Revision 4/29/19-AJZ
-add water impact plans

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

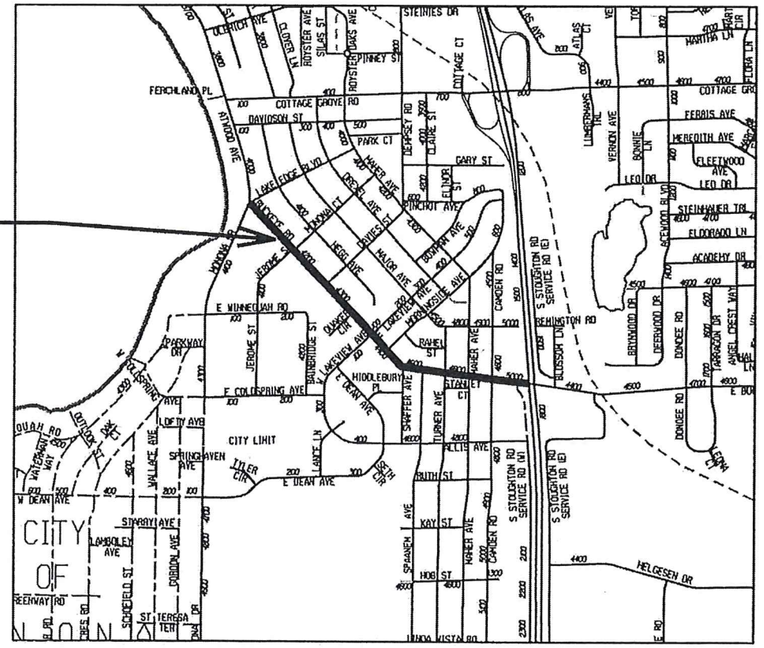
BUCKEYE ROAD ASSESSMENT DISTRICT – 2019

CITY PROJECT NO. 10228

CONTRACT NO. 8277

INDEX OF SHEETS

PROJECT LOCATION



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 1.50%.

SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50%.

SIDEWALK SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5.00% UNLESS SHOWN OTHERWISE IN THE PLANS.

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

City Engineer — Date 4/12/19

ORIGINAL PLANS PREPARED BY: STRAND ASSOCIATES, INC.

WISCONSIN — ERIC D. HANSON — E-38350 — MADISON, WI — PROFESSIONAL ENGINEER — 4-15-19

SANITARY SEWER AND WATER MAIN DESIGNED BY: STRAND ASSOCIATES, INC.

WISCONSIN — STEPHANIE B. THOMSEN — E-41691 — MADISON WI — PROFESSIONAL ENGINEER — 4-15-19

STREET LIGHTING DESIGNED BY: CITY OF MADISON

WISCONSIN — BRIAN J. SMITH — E-37284 — MADISON WI — 4-15-19 — PROFESSIONAL ENGINEER

STORM SEWER DESIGNED BY: STRAND ASSOCIATES, INC.

WISCONSIN — JUSTIN J GUTOSKI — E-43032 — MADISON WI — PROFESSIONAL ENGINEER — 4-15-19

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\10228\Streets\Design\10228EN-TitleSht.dgn

DATE: 4/12/2019

GENERAL NOTES

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. DRIVEWAYS SHALL BE REPLACED IN KIND. COMMERCIAL DRIVEWAYS SHALL BE A MAXIMUM OF 30 FEET WIDE. ALL RESIDENTIAL DRIVEWAYS SHALL BE A MAXIMUM OF 20 FEET WIDE.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE AREA THAT ARE NOT SHOWN.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

PIPE ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

WHEN REPLACING INDIVIDUAL SECTIONS OF SIDEWALK, MATCH EXISTING CONCRETE, ASPHALT OR STRUCTURES (WALLS, BUILDINGS, ETC. THAT ARE CONSTRUCTED TO THE PROPERTY LINE) BEHIND THE SIDEWALK. WHERE TURF EXISTS BEHIND THE SIDEWALK, KEEP DISTANCE OF DISTURBANCE TO WITHIN 6 INCHES OF THE SIDEWALK AND RESTORE WITH TOPSOIL & SEED. REPLACE SIDEWALK AS SHOWN IN THE PLAN AND AS REQUIRED FOR SANITARY LATERAL CONSTRUCTION. IF A SINGLE SECTION OF SIDEWALK REMAINS AS A RESULT OF REPLACING THE SQUARES ON EACH SIDE OF IT, REPLACE THE SINGLE REMAINING SECTION.

WHEN REPLACING INDIVIDUAL SECTIONS OF SIDEWALK WITH AN EXISTING CROSS SLOPE STEEPER THAN 1.5%, HOLD THE ELEVATION AT THE BACK OF SIDEWALK AND RAISE THE FRONT SIDE OF THE SIDEWALK AS NEEDED TO PROVIDE A 1.5% CROSS SLOPE.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA PAVEMENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE OR PARKING LANE.

ASPHALTIC PAVING TABLES

CTH AB (BUCKEYE ROAD)		
	THICKNESS	MIX TYPE
UPPER LAYER	2"	4 MT 58-28 H
LOWER LAYER	3.25"	3 MT 58-28 S

UTILITIES

AT&T WISCONSIN - COMMUNICATION
ATTENTION: CAROL ANASON
316 W. WASHINGTON AVENUE, ROOM 301
MADISON, WI 53703
(608) 252-2385
E-MAIL: CA26243@att.com

CHARTER COMMUNICATIONS - COMMUNICATION
ATTENTION: BRANDON STORM
2701 DANIELS STREET
MADISON, WI 53718
(608) 274-3822
E-MAIL: brandon.storm@charter.com

CITY OF MADISON - COMMUNICATION
ATTENTION: BRIAN SMITH
MADISON MUNICIPAL BUILDING, SUITE 109
215 MARTIN LUTHER KING JR. BLVD.
MADISON, WI 53701
(608) 261-9625
E-MAIL: bsmith@cityofmadison.com

CITY OF MADISON - SANITARY SEWER
ATTENTION: MARK MODER, P.E.
210 MARTIN LUTHER KING JR. BLVD., ROOM 115
MADISON, WI 53703
(608) 261-9250
E-MAIL: mmoder@cityofmadison.com

MADISON GAS AND ELECTRIC - ELECTRIC
ATTENTION: MARK BOHM
133 S. BLAIR STREET
MADISON, WI 53788
(608) 252-4730
CELL: (608) 516-7930
E-MAIL: mbohm@mge.com

MADISON GAS AND ELECTRIC - GAS/PETROLEUM
ATTENTION: JOHN WICHERN
623 RAILROAD STREET
MADISON, WI 53701
(608) 252-1563
E-MAIL: JWichern@mge.com

MADISON WATER UTILITY - WATER
ATTENTION: PETE HOLMGREN
119 EAST OLIN AVENUE
MADISON, WI 53713-1431
(608) 261-5530
E-MAIL: pholmgren@madisonwater.org

METROPOLITIAN UNIFIED FIBER NETWORK - COMMUNICATION
ATTENTION: PATRICK CHRISTIAN
1210 W. DAYTON STREET
MADISON, WI 53706
(608) 265-9699
CELL: (608) 516-3264
E-MAIL: patrick.christian@wisc.edu

U.S. SIGNAL - COMMUNICATION
ATTENTION: RYAN MIEDEMA
201 IONIA AVENUE SW
GRAND RAPIDS, MI 49503
(616) 233-7144
CELL: (616) 334-3857
E-MAIL: rjiedema@ussignal.com

TDS TELECOM - COMMUNICATION
ATTENTION: JERRY MEYERS
525 JUNCTION ROAD
MADISON, MI 53717
(608) 664-4404
E-MAIL: jerry.meyers@telecom.com

* DENOTES UTILITY THAT IS NOT A DIGGERS HOTLINE MEMBER

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

CITY OF MADISON CONTACT

ANDREW ZWIEG, P.E.
210 MARTIN LUTHER KING JR. BLVD., RM 115
MADISON, WI 53703
(608) 266-9219
E-MAIL: azwieg@cityofmadison.com

DANE COUNTY CONTACT

PAM DUNPHY, P.E.
2302 FISH HATCHERY ROAD
MADISON, WI 53713
(608) 266-4036
E-MAIL: Dunphy@countyofdane.com

DESIGN CONTACT

ERIC HANSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
(608) 251-4843
E-MAIL: eric.hanson@strand.com

DNR LIAISON

ERIC HEGGELUND
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608) 275-3301
E-MAIL: eric.heggelund@wisconsin.gov

2

2

LAKE EDGE BLVD.

BEGIN CONSTRUCTION
STA. 101+00.00

BEGIN PROJECT
STA. 103+00.00

MONONA DRIVE

LAKE
MONONA

MONONA CT

DAVIES ST

E. LAKEVIEW AVE

BUCKEYE ROAD

JEROME ST

FRANK ALLIS
ELEMENTARY SCHOOL

QUAKER CIR

QUAKER
PARK

W. LAKEVIEW AVE

MATCH LINE STA 126+00

CITY OF MADISON

END PROJECT
STA. 144+00.00

END CONSTRUCTION
STA. 146+28.26

MATCH LINE STA 126+00

MORNINGSIDE AVE

TURNER AVE

MAHER AVE

CAMDEN RD

SHAFFER AVE

SPAANEM AVE

TURNER AVE

MAHER AVE

CAMDEN RD

TOWN OF
BLOOMING GROVE

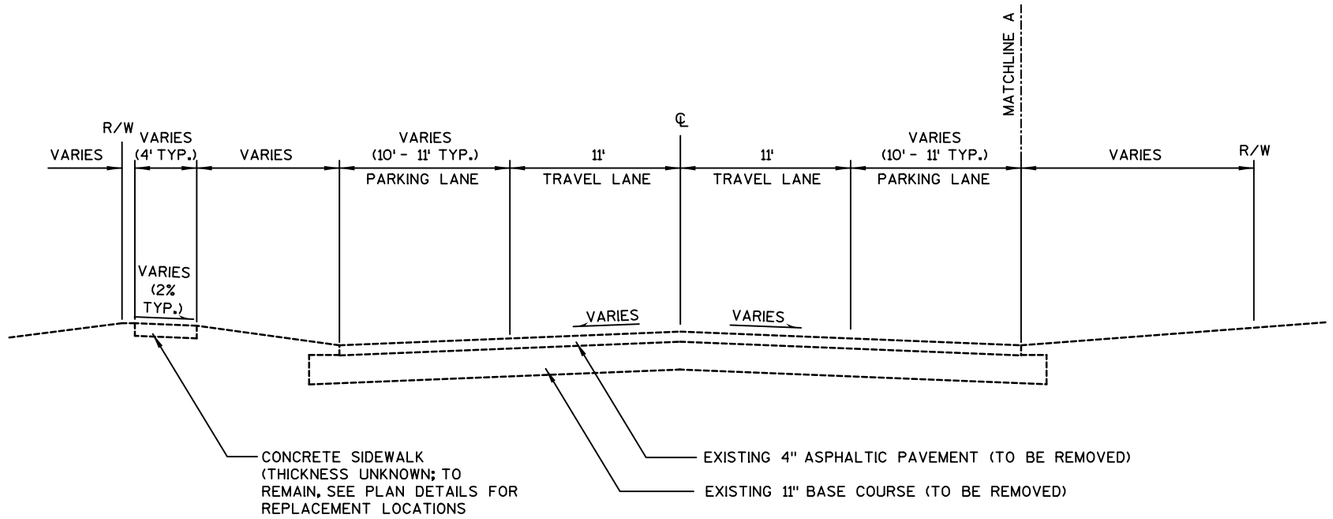
FRONTAGE RD.

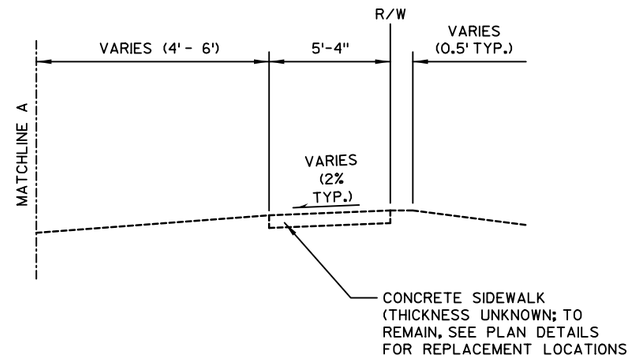
US 51 (STOUGHTON ROAD)

CITY OF MADISON

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PROJECT OVERVIEW	SHEET 0-1	E

2



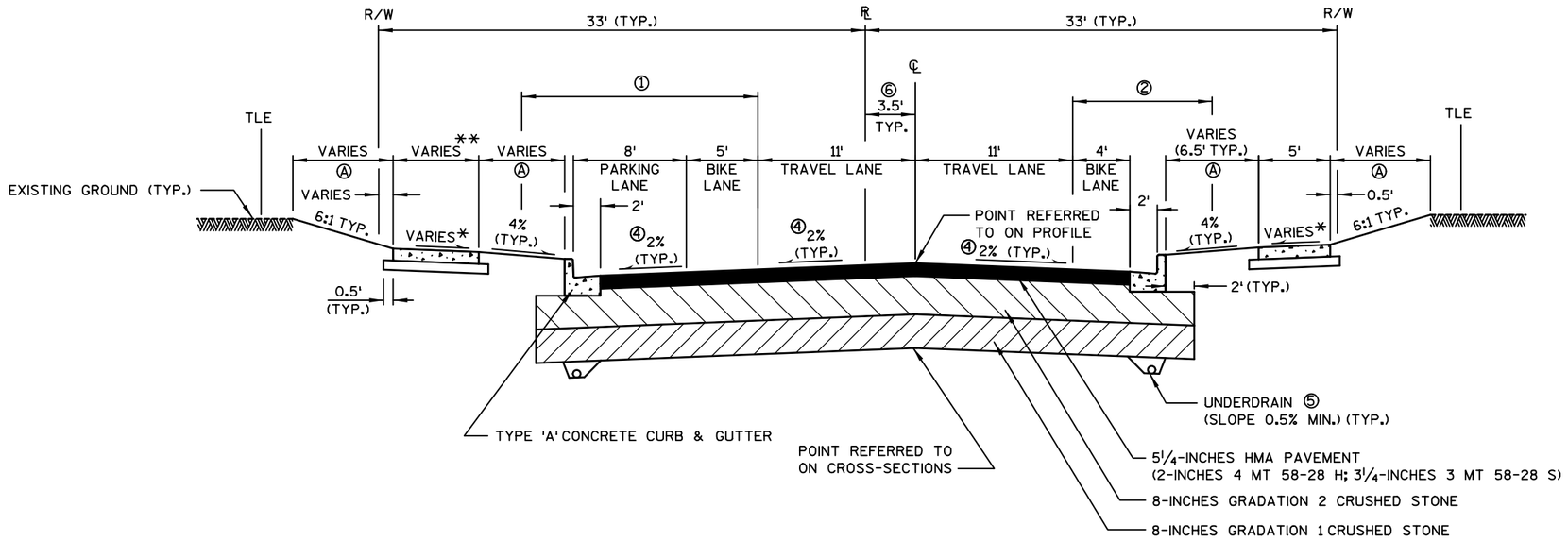


STA. 109+00 - STA. 122+02

EXISTING TYPICAL SECTION - BUCKEYE ROAD

STA. 103+00 - STA. 144+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET D-1	E

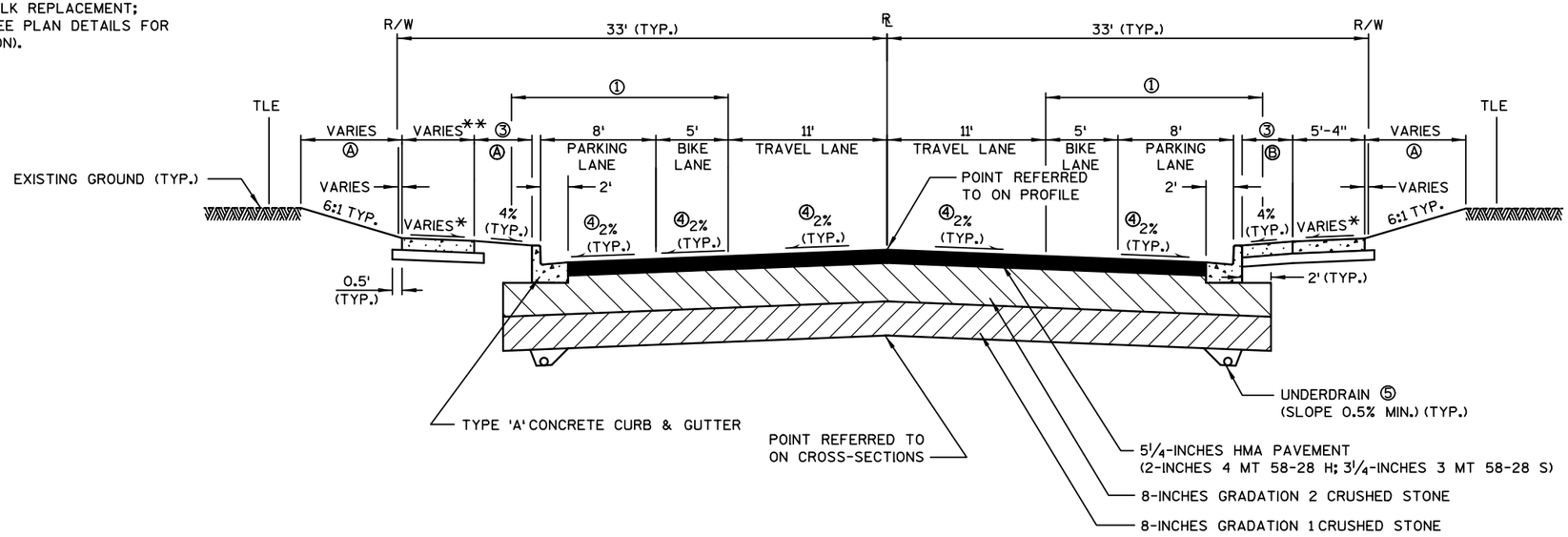


TYPICAL FINISHED SECTION
BUCKEYE ROAD

STA. 103+00 TO STA. 109+22
STA. 116+92 TO STA. 130+50

* EXISTING CONCRETE SIDEWALK TO REMAIN (2% MAX.) OR NEW 5-INCH CONCRETE SIDEWALK (1.5% TYP.) OVER 2" GRADATION 3 CRUSHED STONE.

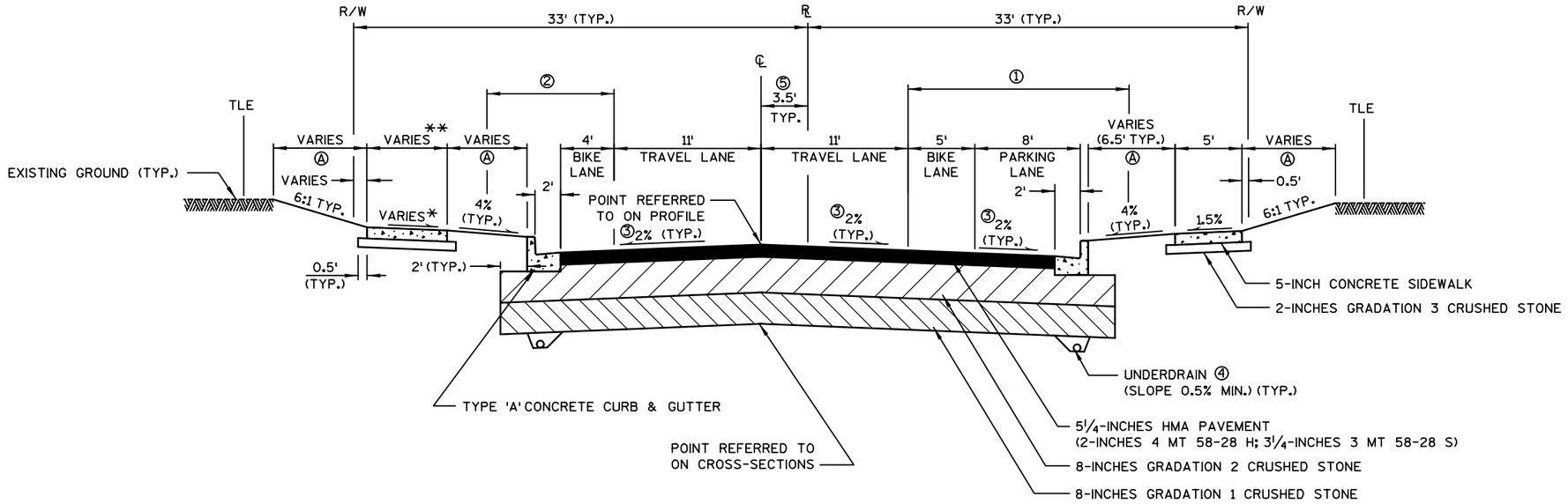
** 4' IN AREAS OF SIDEWALK REPLACEMENT; 5' IF NEW SIDEWALK (SEE PLAN DETAILS FOR ADDITIONAL INFORMATION).



TYPICAL FINISHED SECTION
BUCKEYE ROAD

STA. 109+22 TO STA. 116+92

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	TYPICAL SECTIONS	SHEET D-2	E



TYPICAL FINISHED SECTION
BUCKEYE ROAD

STA. 130+50 TO STA. 144+00

* EXISTING CONCRETE SIDEWALK TO REMAIN (2% MAX.) OR NEW 5-INCH CONCRETE SIDEWALK (1.5% TYP.) OVER 2" GRADATION 3 CRUSHED STONE.

** 4' IN AREAS OF SIDEWALK REPLACEMENT; 5' IF NEW SIDEWALK (SEE PLAN DETAILS FOR ADDITIONAL INFORMATION).

① 15' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB)

② 8' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB)

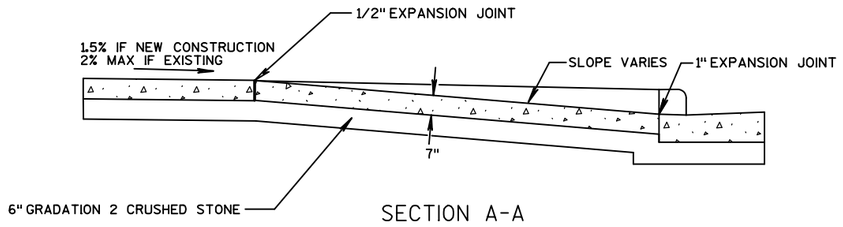
③ VARIES FROM 1 TO 2 PERCENT. SEE PLAN DETAIL SHEETS FOR ADDITIONAL INFORMATION.

④ INSTALL UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS AND CONSTRUCITON DETAILS FOR ADDITONAL INFORMATION.

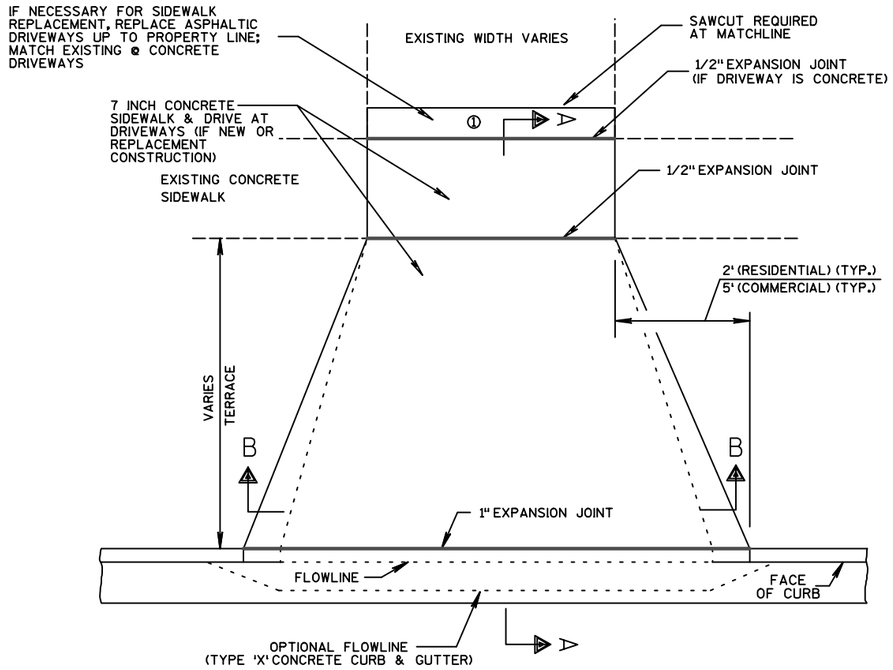
⑤ SEE PLAN DETAIL SHEETS FOR CROWN TRANSITION LOCATIONS

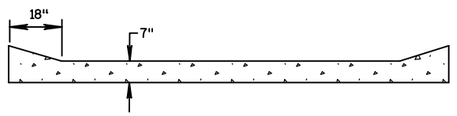
Ⓐ TOPSOIL; TERRACE SEEDING; EROSION MATTING CLASS I, TYPE A - ORGANIC.

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	TYPICAL SECTIONS	SHEET D-3	E



SECTION A-A





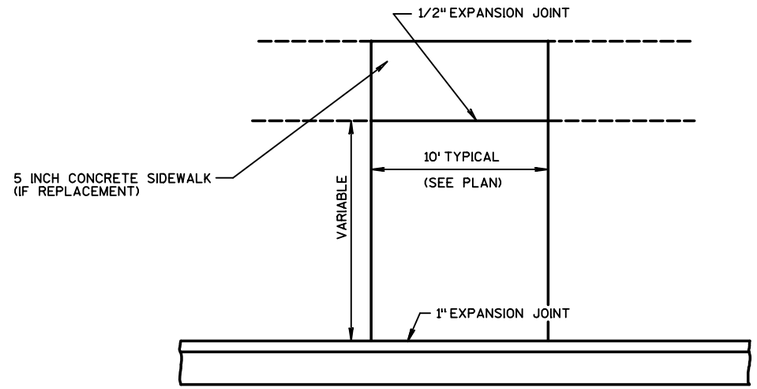
SECTION B-B

① FOR ASPHALT DRIVEWAYS PLACE 3-INCHES ASPHALT DRIVE & TERRACE OVER 10-INCHES GRADATION 2 CRUSHED STONE.

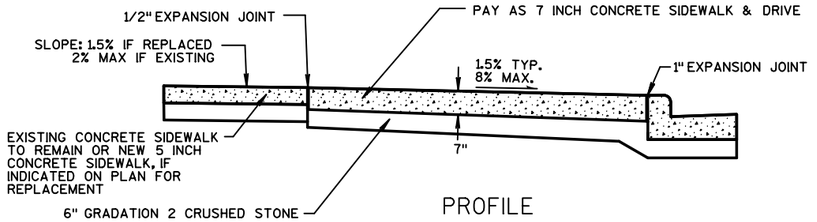
FOR CONCRETE DRIVEWAYS PLACE 7 INCH CONCRETE SIDEWALK & DRIVE OVER 6-INCHES GRADATION 2 CRUSHED STONE.

FOR GRAVEL DRIVEWAYS PLACE 6-INCHES GRADATION 3 CRUSHED STONE.

CONCRETE DRIVE APRON DETAIL

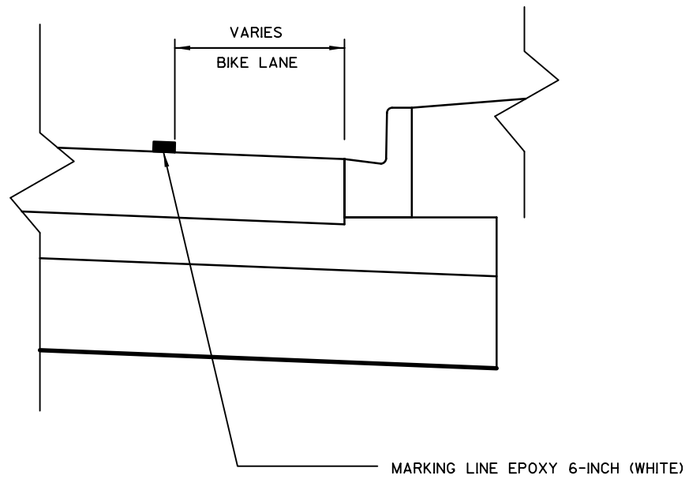


PLAN



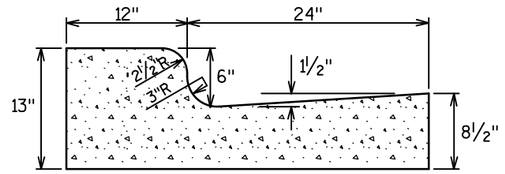
PROFILE

BUS BOARDING PAD DETAIL



NOTE: SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.
SEE S.D.D "BICYCLE LANE MARKING" FOR ADDITIONAL INFORMATION.

BIKE LANE PAVEMENT MARKING LOCATION



CONCRETE CURB & GUTTER 36-INCH TYPE A SPECIAL VERTICAL FACE

CONCRETE CURB & GUTTER 18-INCH TYPE D
CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D

REFER TO WISDOT STANDARD DETAIL DRAWING "CONCRETE CURB, CONRETE CURB & GUTTER" FOR ADDITIONAL INFORMATION

CONCRETE CURB & GUTTER INTEGRAL 24-INCH TYPE D SPECIAL

REFER TO WISDOT STANDARD DETAIL DRAWING "CONCRETE CURB, CONRETE CURB & GUTTER" AND CITY OF MADISON STANDARD DETAIL DRAWING "MADISON STANDARD CONCRETE CURB & GUTTER" FOR ADDITIONAL INFORMATION

GENERAL NOTES:

PLACE LATERAL CONTRACTION JOINTS AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.

PALCE EXPANSION JOINTS TRANSVERSLY AT RADIUS POINTS ON CURVES OF RADIUS 200' OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER. THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE ½" THICK.

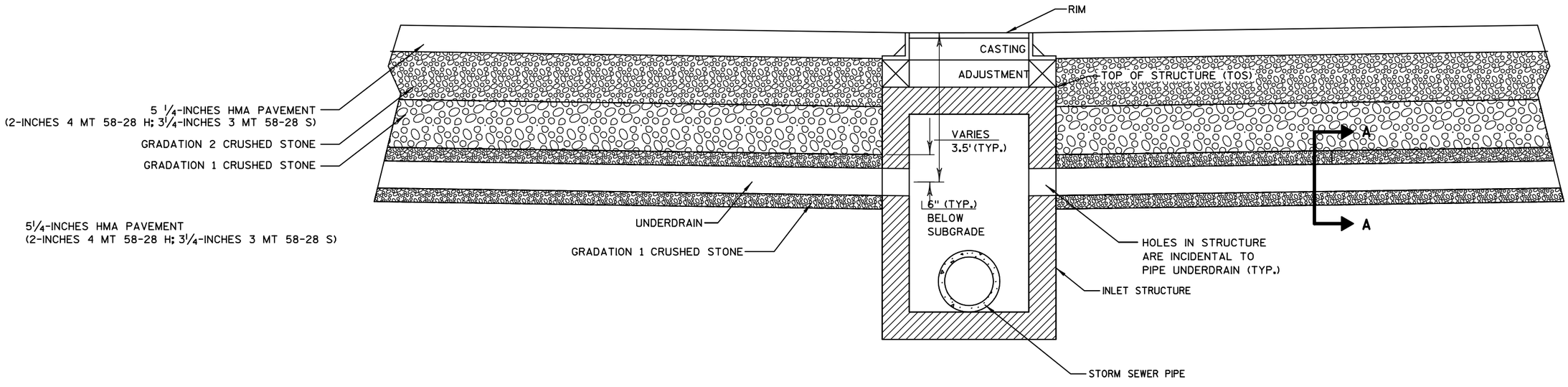
IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED BASE AGGREGATE DENSE.

TRANSITIONS BETWEEN TYPE D CURB AND TYPE DX CURB ARE TO BE MADE OVER A MINIMUM OF 6 FT. LENGTHEN TRANSITIONS AS NECESSARY TO MAINTAIN DRAINAGE ALONG THE FLOW LINE. TRANSITIONS ARE PAID FOR AS "CONCRETE CURB & GUTTER 30-INCH TYPE DX SPECIAL" OR AS NOTED.

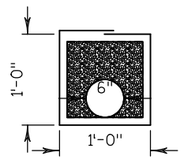
TRANSITIONS BETWEEN CONCRETE CURB & GUTTER TYPE D SPECIAL AND CONCRETE CURB & GUTTER INTEGRAL 24-INCH TYPE D ARE TO BE MADE OVER A MINIMUM OF 10 FT. LENGTHEN TRANSITIONS AS NECESSARY TO MAINTAIN DRAINAGE ALONG THE FLOW LINE. TRANSITIONS ARE PAID FOR AS "CONCRETE CURB & GUTTER INTEGRAL 24-INCH TYPE D" OR AS NOTED.

TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPE A.

CONCRETE CURB & GUTTER DETAILS

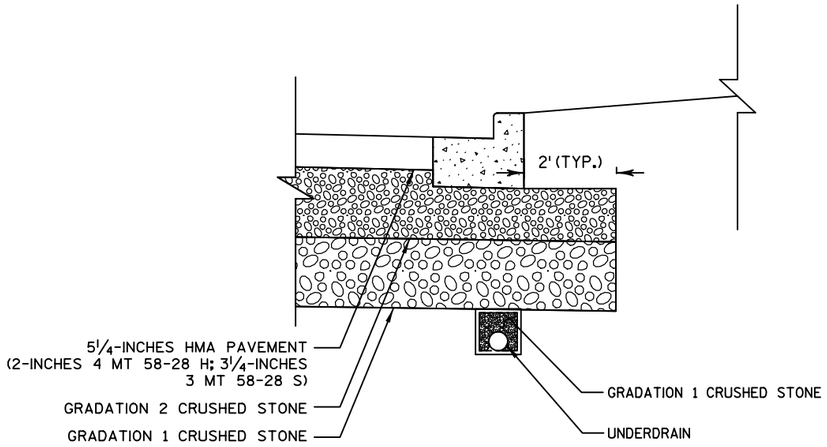


UNDERDRAIN AND AGGREGATE PROFILE VIEW



SECTION A-A

UNDERDRAIN ENCLOSED IN A 1'-0" X 1'-0" AREA OF GRADATION 1 CRUSHED STONE.

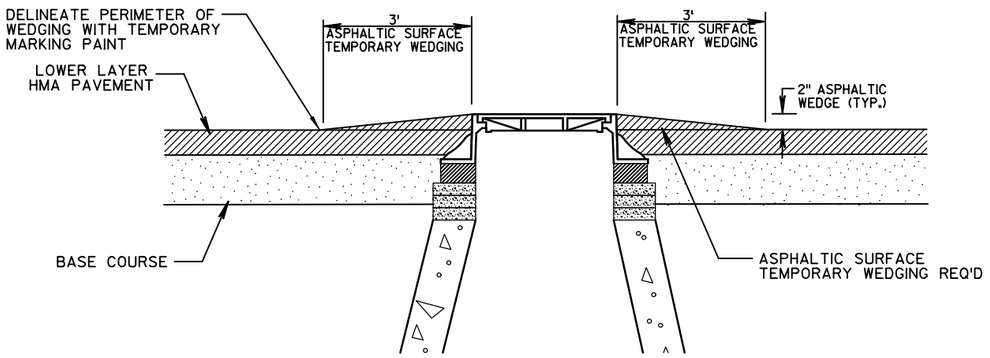


UNDERDRAIN AND AGGREGATE CROSS SECTION

UNDERDRAIN AND AGGREGATE DETAIL

NOTES:
PIPE UNDERDRAIN IS TO BE DISCHARGED INTO A STORM SEWER STRUCTURE.
SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET D-6	E

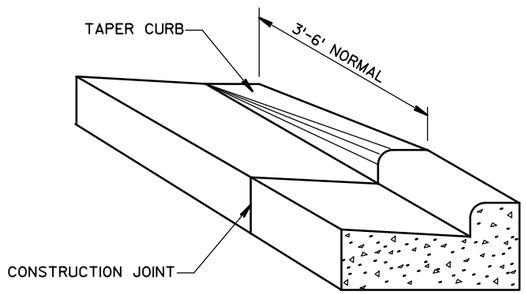


NOTES:

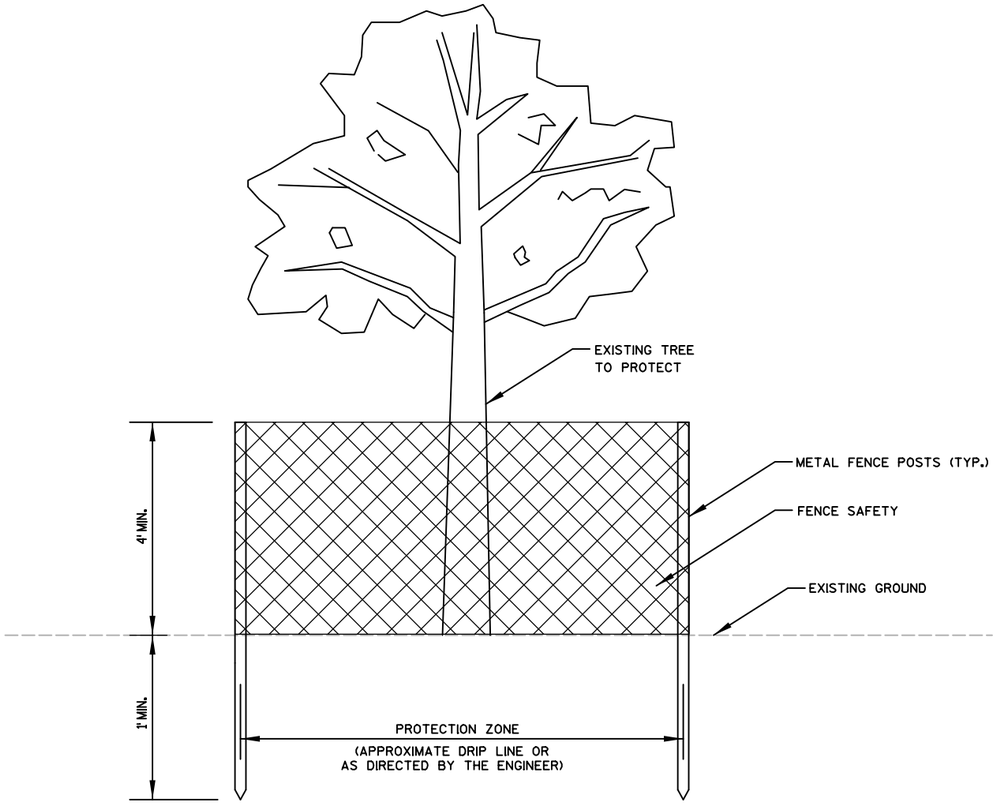
PLACE TEMPORARY ASPHALTIC SURFACE WEDGING PRIOR TO OPENING LANE TO TRAFFIC (INCLUDED IN THE HMA PAVEMENT ITEM)

PRIOR TO SURFACE PAVING, REMOVE ALL TEMPORARY ASPHALTIC SURFACE WEDGING DOWN TO THE TOP OF THE LOWER LAYER OF HMA PAVEMENT. REMOVAL OF WEDGING IS INCLUDED IN THE HMA PAVEMENT ITEM.

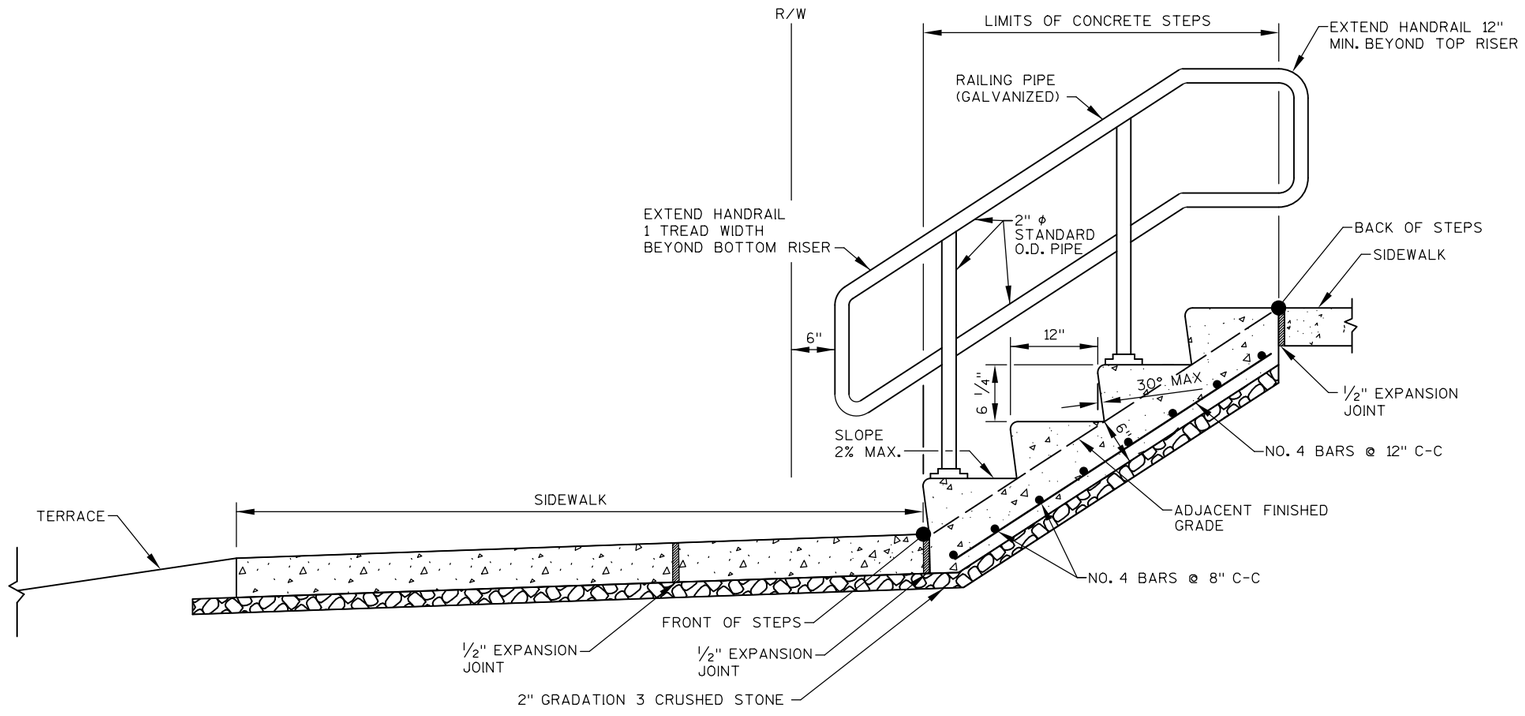
TEMPORARY ASPHALTIC SURFACE WEDGING AT MANHOLES



DETAIL OF CURB & GUTTER TERMINI

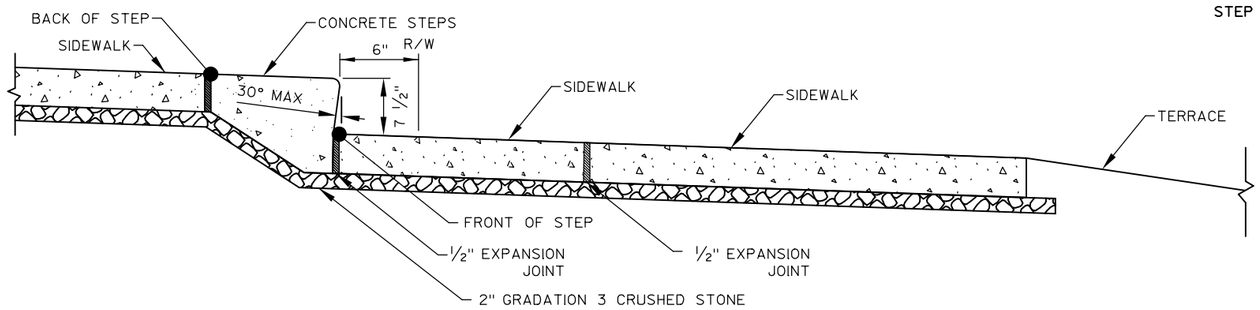


TREE PROTECTION DETAIL



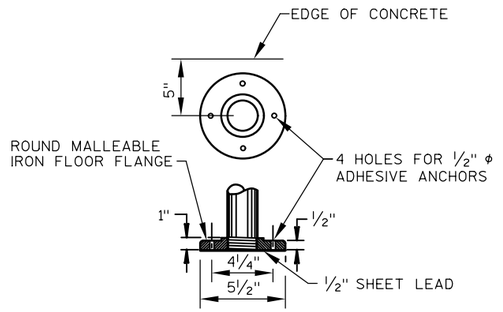
CONCRETE STEPS DETAIL

STA. 129+68 RT



CONCRETE STEPS DETAIL

STA. 108+79 LT



FLANGE DETAIL

NOTE:

MINIMUM STEP WIDTH SHALL BE 48" UNLESS OTHERWISE NOTED ON THE PLAN DETAIL SHEETS.

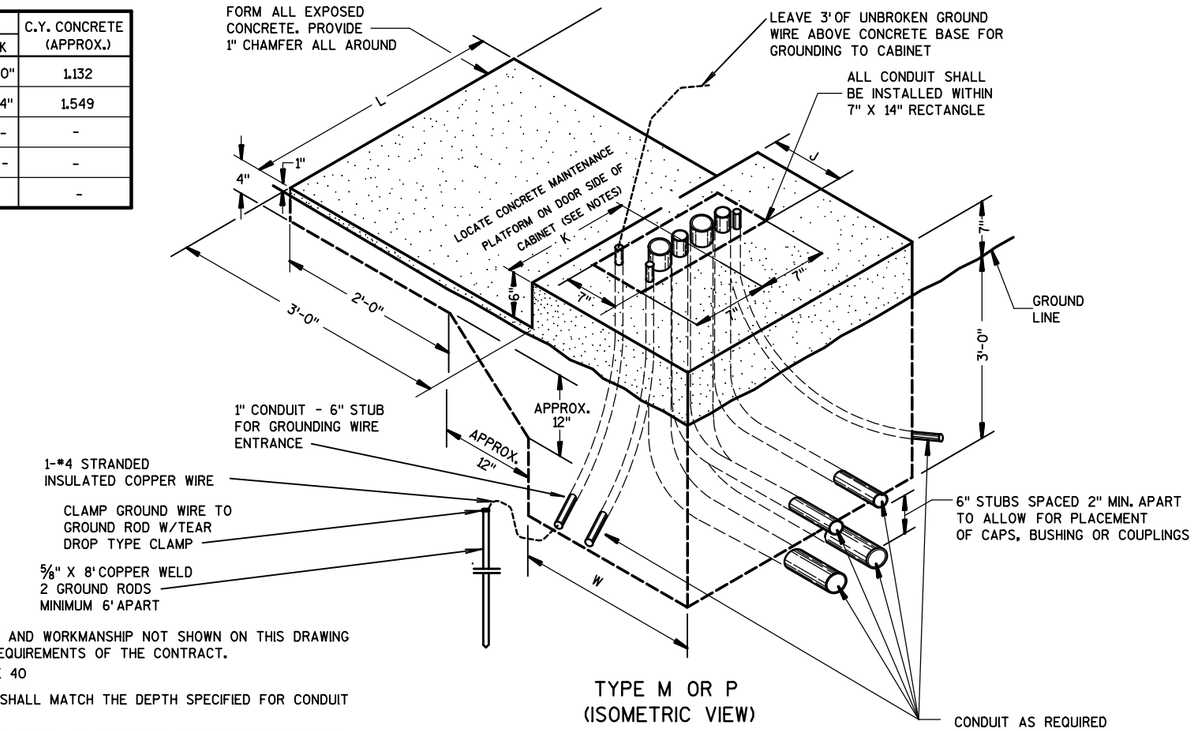
GALVANIZED PIPE RAILING TO BE PLACED ON LEFT ASCENDING SIDE OF STEPS ONLY.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2-INCH CLEAR.

STEPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH WISCONSIN BUILDING CODE.

RAILING SHALL BE 34-INCHES MINIMUM AND 38-INCHES MAXIMUM VERTICALLY ABOVE STEP NOSINGS. RAILING SHALL BE A CONSISTENT HEIGHT ABOVE STEP NOSINGS.

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	L	W	J	K	
TYPE M	40"	30"	12"	20"	1.132
TYPE P	48"	30"	16"	24"	1.549
TYPE M MODIFIED	-	-	-	-	-
TYPE P MODIFIED	-	-	-	-	-
TYPE OTHER	-				-



TYPE M OR P
(ISOMETRIC VIEW)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL CONDUIT SHALL BE PVC, SCHEDULE 40

DEPTH OF CONDUIT EXITING THE BASE SHALL MATCH THE DEPTH SPECIFIED FOR CONDUIT INSTALLATION.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

MAINTENANCE PLATFORM SHALL NOT BE INSTALLED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MINIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUITS SHALL EXIT THE BASE IN THE DIRECTION OF THE STRUCTURE IT IS TERMINATING INTO.

MAINTENANCE PLATFORM SIZE MAY VARY ON ACCOUNT OF CONDITIONS. VERIFY THE MAINTENANCE PLATFORM SIZE WITH ENGINEER PRIOR TO POURING BASE.

CONCRETE CONTROL CABINET BASES

REV. JAN 2019

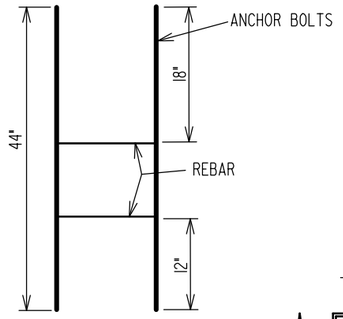
CITY OF MADISON
TRAFFIC ENGINEERING DIVISION

TYPE "M" AND "P" CONTROLLER BASE DETAIL

STANDARD DETAIL DRAWING 6.10

2

HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.



*IF ANOTHER BOLT CIRCLE IS REQUIRED. INSTEAD OF THE 15" BOLT CIRCLE SHOWN. THE FOLLOWING DIMENSIONS SHOULD BE USED

11" BOLT CIRCLE

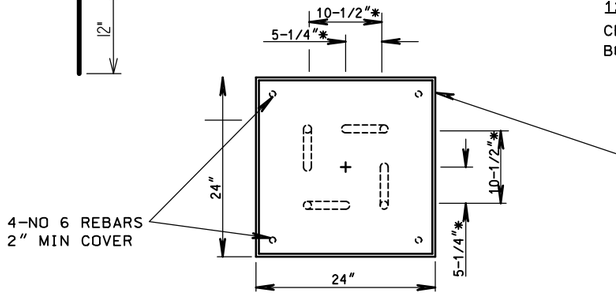
CENTER TO BOLT 3-7/8"
BOLT TO BOLT 7-3/4"

11-1/2" BOLT CIRCLE

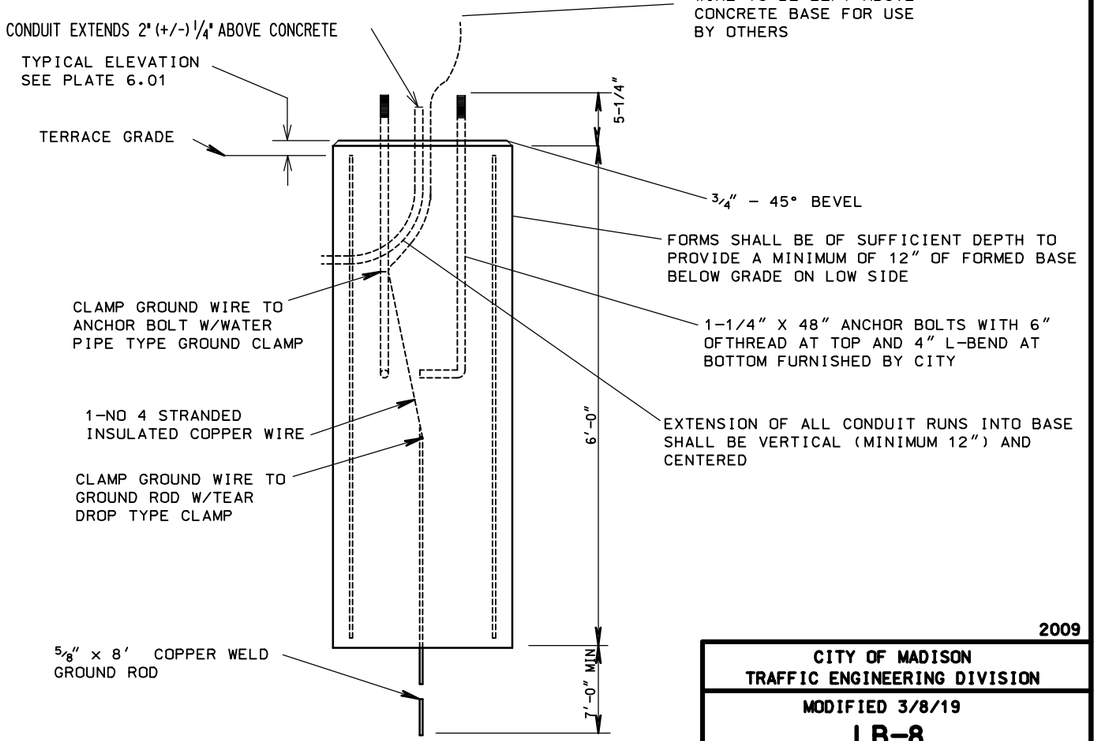
CENTER TO BOLT 4-1/16"
BOLT TO BOLT 8-1/8"

12-1/2" BOLT CIRCLE

CENTER TO BOLT 4-7/16"
BOLT TO BOLT 8-7/8"



HOLE FOR BASE MAY BE DUG WITH 26" DIAMETER AUGER. THEN THE TOP SHALL FORMED AS A SQUARE



2009

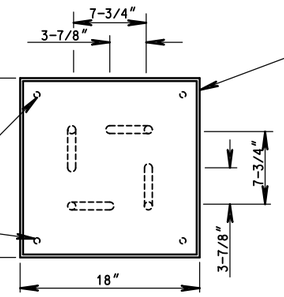
CITY OF MADISON
TRAFFIC ENGINEERING DIVISION

MODIFIED 3/8/19

LB-8
BASE DETAIL

STANDARD DETAIL DRAWING 6.19

2

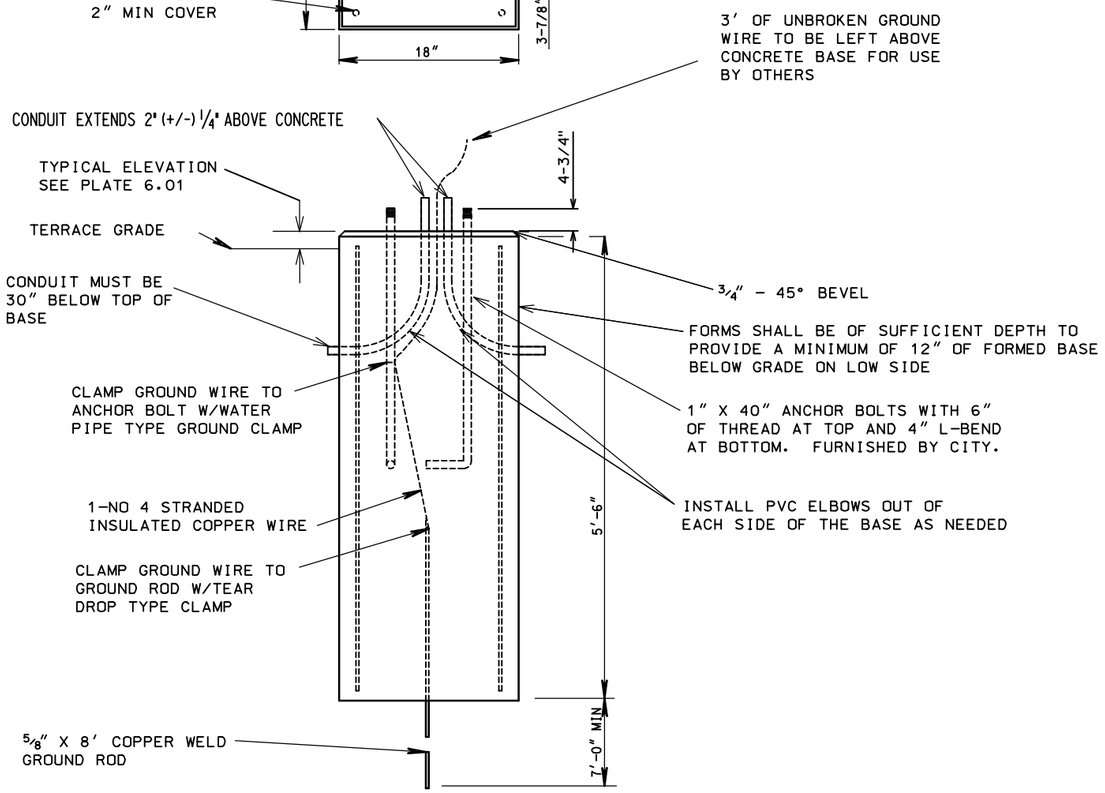


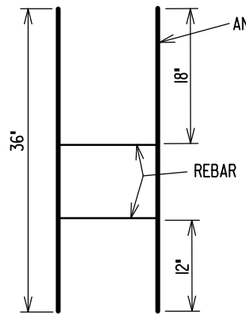
MAY USE 20" DIAMETER BASE BELOW SQUARE TOP FORMED SECTION

*IF ANOTHER BOLT CIRCLE IS REQUIRED, INSTEAD OF THE 11" BOLT CIRCLE SHOWN, THE FOLLOWING DIMENSIONS SHOULD BE USED

11-1/2" BOLT CIRCLE

CENTER TO BOLT 4-1/16"
BOLT TO BOLT 8-1/8"





HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.

2004

CITY OF MADISON
TRAFFIC ENGINEERING DIVISION

MODIFIED 3/8/2019

LB-3
BASE DETAIL

STANDARD DETAIL DRAWING 6.14

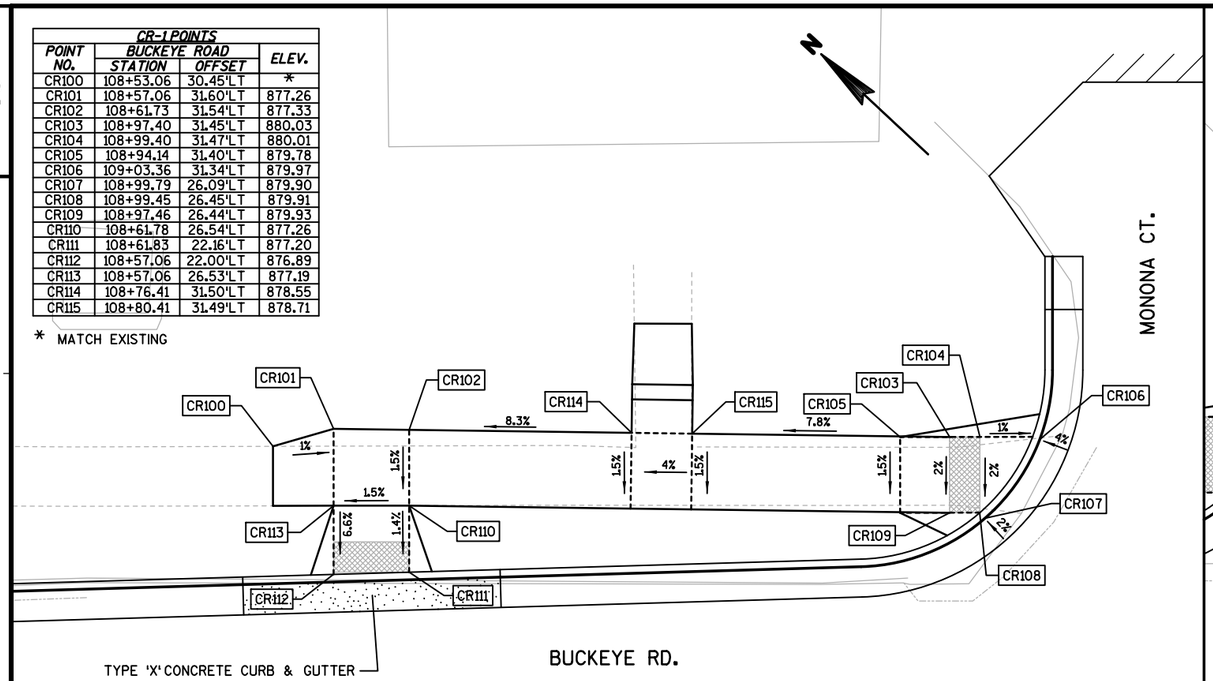
PROJECT NO:10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET D-10	E

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS OVERVIEW	SHEET CR-1	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\021020_cd.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CR-1 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR100	108+53.06	30.45'LT	*
CR101	108+57.06	31.60'LT	877.26
CR102	108+61.73	31.54'LT	877.33
CR103	108+97.40	31.45'LT	880.03
CR104	108+99.40	31.47'LT	880.01
CR105	108+94.14	31.40'LT	879.78
CR106	109+03.36	31.34'LT	879.97
CR107	108+99.79	26.09'LT	879.90
CR108	108+99.45	26.45'LT	879.91
CR109	108+97.46	26.44'LT	879.93
CR110	108+61.78	26.54'LT	877.26
CR111	108+61.83	22.16'LT	877.20
CR112	108+57.06	22.00'LT	876.89
CR113	108+57.06	26.53'LT	877.19
CR114	108+76.41	31.50'LT	878.55
CR115	108+80.41	31.49'LT	878.71

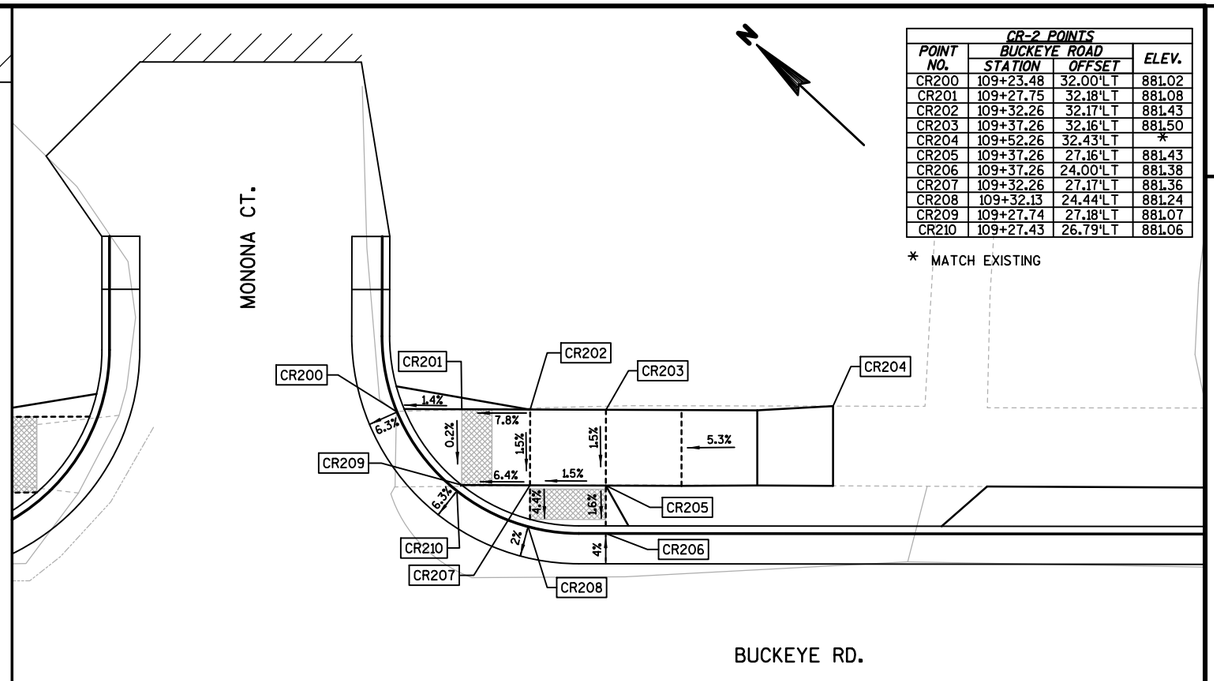
* MATCH EXISTING



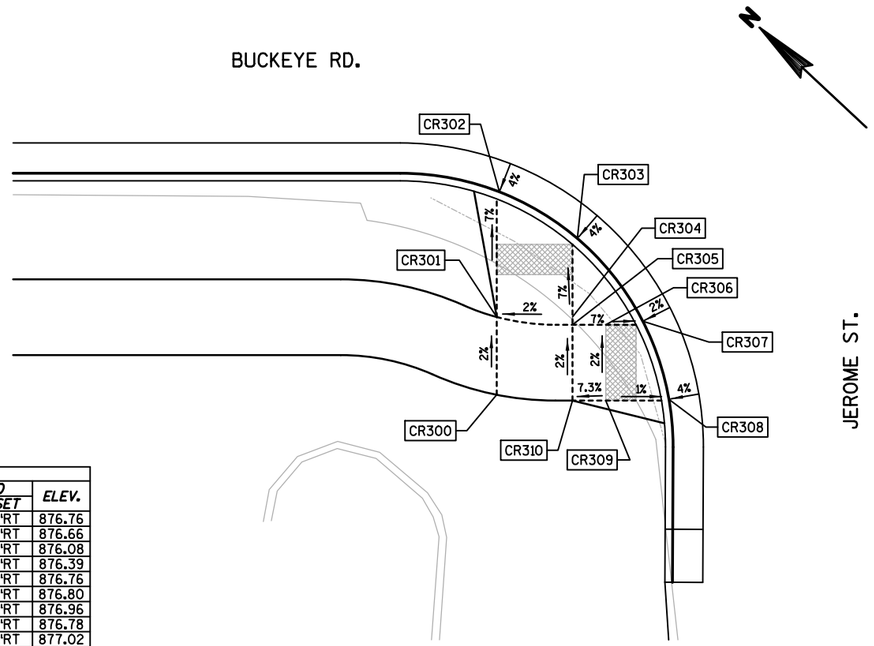
CR-1

CR-2 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR200	109+23.48	32.00'LT	881.02
CR201	109+27.75	32.18'LT	881.08
CR202	109+32.26	32.17'LT	881.43
CR203	109+37.26	32.16'LT	881.50
CR204	109+52.26	32.43'LT	*
CR205	109+37.26	27.16'LT	881.43
CR206	109+37.26	24.00'LT	881.38
CR207	109+32.26	27.17'LT	881.36
CR208	109+32.13	24.44'LT	881.24
CR209	109+27.74	27.18'LT	881.07
CR210	109+27.43	26.79'LT	881.06

* MATCH EXISTING

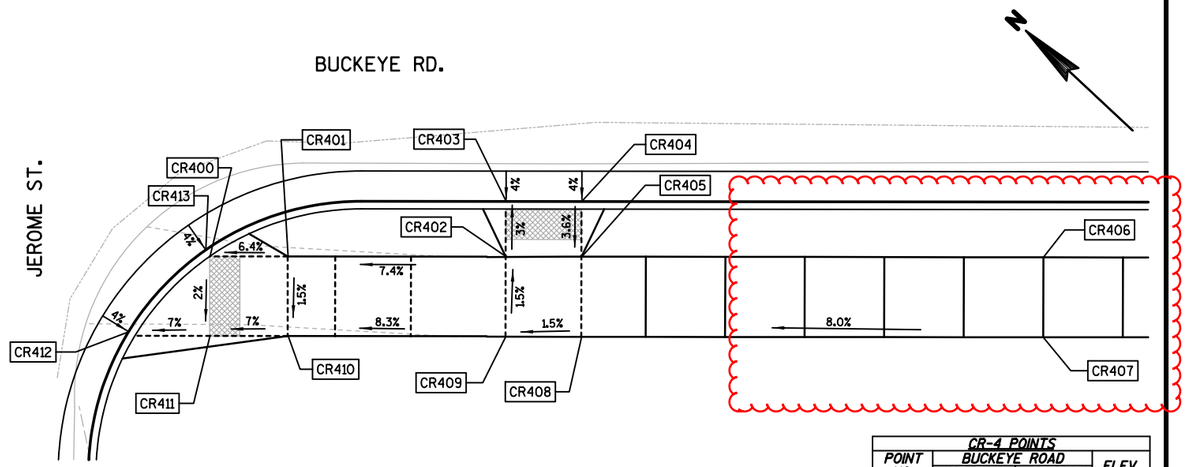


CR-2



CR-3 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR300	108+57.06	35.12'RT	876.76
CR301	108+57.06	29.99'RT	876.66
CR302	108+57.24	21.73'RT	876.08
CR303	108+62.63	24.79'RT	876.39
CR304	108+62.36	29.97'RT	876.76
CR305	108+62.37	30.49'RT	876.80
CR306	108+64.57	30.46'RT	876.96
CR307	108+67.01	30.21'RT	876.78
CR308	108+68.79	35.33'RT	877.02
CR309	108+64.62	35.46'RT	877.06
CR310	108+62.42	35.49'RT	876.90

CR-3



Revised 4/26/19 EDH
-CR406 and CR407
Revised

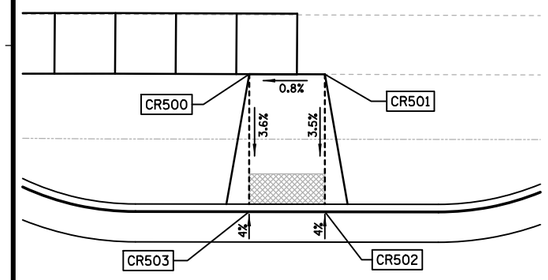
CR-4 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR400	109+12.97	27.72'RT	879.61
CR401	109+18.12	27.68'RT	879.94
CR402	109+32.26	27.65'RT	881.00
CR403	109+32.26	24.00'RT	880.89
CR404	109+37.26	24.00'RT	881.20
CR405	109+37.26	27.65'RT	881.07
CR406	109+67.76	27.65'RT	883.51
CR407	109+67.76	32.93'RT	883.58
CR408	109+37.26	32.93'RT	881.14
CR409	109+32.26	32.93'RT	881.07
CR410	109+18.16	32.93'RT	879.87
CR411	109+13.02	32.97'RT	879.51
CR412	109+07.65	32.76'RT	879.13
CR413	109+12.68	27.32'RT	879.58

CR-4

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET CR-2	E

2

CR-5 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR500	111+91.93	27.08'LT	889.87
CR501	111+96.93	27.07'LT	889.91
CR502	111+96.93	18.00'LT	889.59
CR503	111+91.93	18.00'LT	889.54



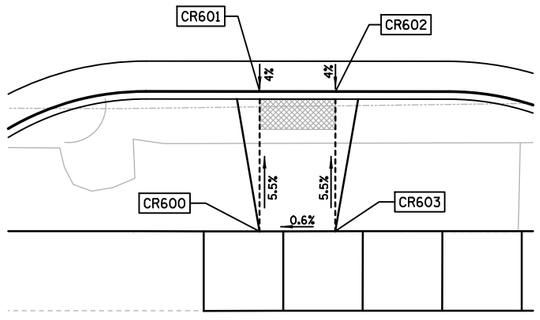
BUCKEYE RD.

CR-5

CR-6 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR600	111+91.93	27.23'RT	890.11
CR601	111+91.93	18.00'RT	889.60
CR602	111+96.93	18.00'RT	889.63
CR603	111+96.93	27.22'RT	890.14

112+00

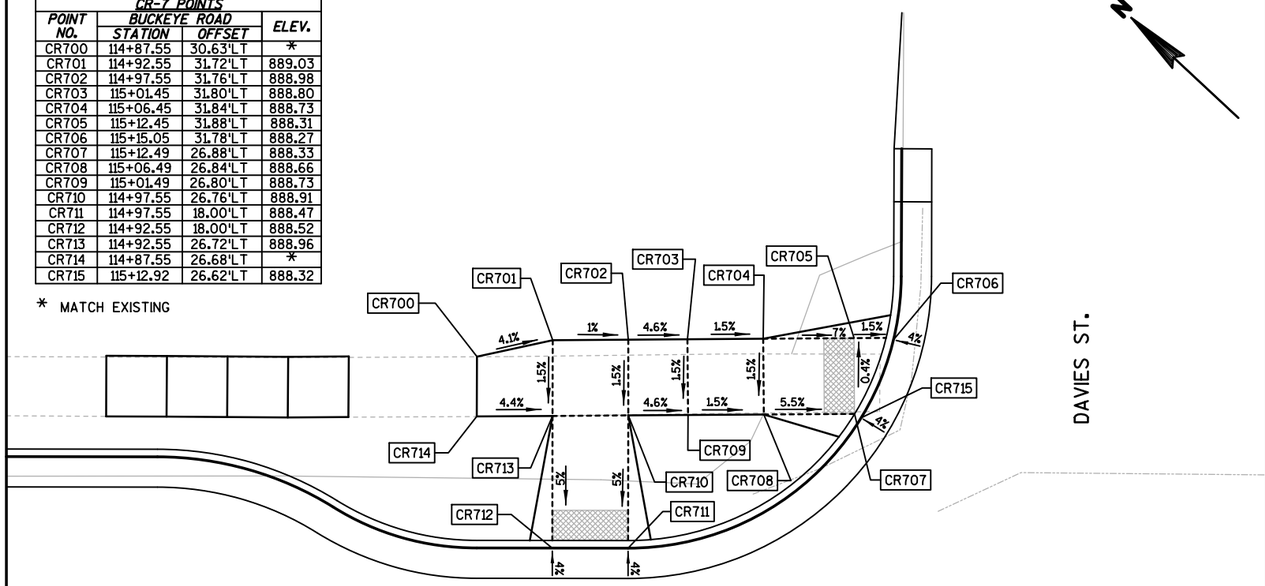
BUCKEYE RD.



CR-6

CR-7 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR700	114+87.55	30.63'LT	*
CR701	114+92.55	31.72'LT	889.03
CR702	114+97.55	31.76'LT	888.98
CR703	115+01.45	31.80'LT	888.80
CR704	115+06.45	31.84'LT	888.73
CR705	115+12.45	31.88'LT	888.31
CR706	115+15.05	31.78'LT	888.27
CR707	115+12.49	26.88'LT	888.33
CR708	115+06.49	26.84'LT	888.66
CR709	115+01.49	26.80'LT	888.73
CR710	114+97.55	26.76'LT	888.91
CR711	114+97.55	18.00'LT	888.47
CR712	114+92.55	18.00'LT	888.52
CR713	114+92.55	26.72'LT	888.96
CR714	114+87.55	26.68'LT	*
CR715	115+12.92	26.62'LT	888.32

* MATCH EXISTING

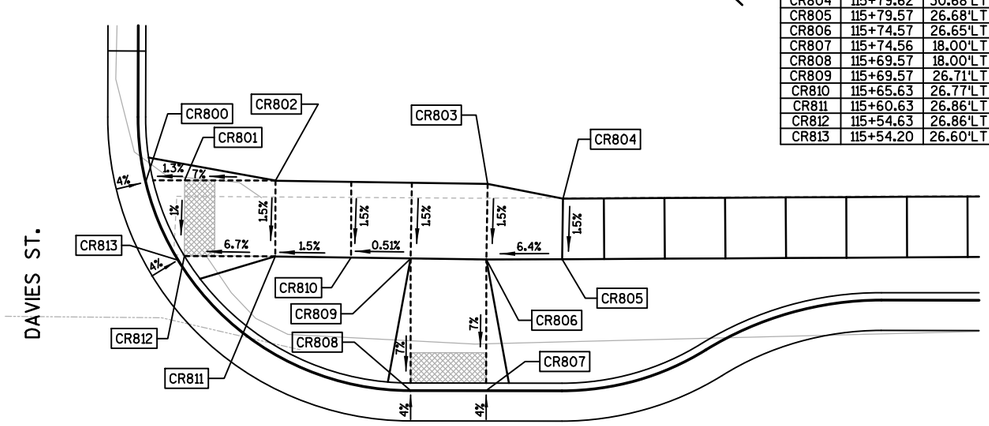


BUCKEYE RD.

CR-7

2

CR-8 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR800	115+52.06	31.74'LT	888.15
CR801	115+54.63	31.86'LT	888.18
CR802	115+60.63	31.86'LT	888.60
CR803	115+74.64	31.65'LT	888.65
CR804	115+79.62	30.68'LT	888.97
CR805	115+79.57	26.68'LT	888.90
CR806	115+74.57	26.65'LT	888.58
CR807	115+74.56	18.00'LT	887.97
CR808	115+69.57	18.00'LT	888.01
CR809	115+69.57	26.71'LT	888.62
CR810	115+65.63	26.77'LT	888.60
CR811	115+60.63	26.86'LT	888.53
CR812	115+54.63	26.86'LT	888.13
CR813	115+54.20	26.60'LT	888.12

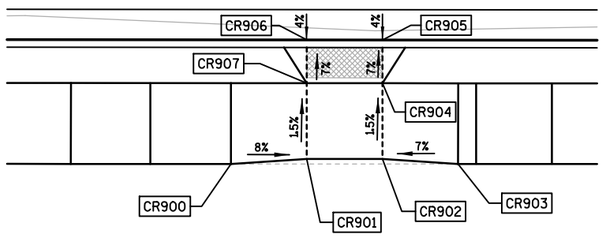


BUCKEYE RD.

CR-8

CR-9 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR900	114+87.55	32.19'RT	888.94
CR901	114+92.55	31.86'RT	888.54
CR902	114+97.55	31.86'RT	888.51
CR903	115+02.55	32.18'RT	888.86
CR904	114+97.55	26.86'RT	888.44
CR905	114+97.55	24.00'RT	888.24
CR906	114+92.55	24.00'RT	888.27
CR907	114+92.55	26.86'RT	888.47

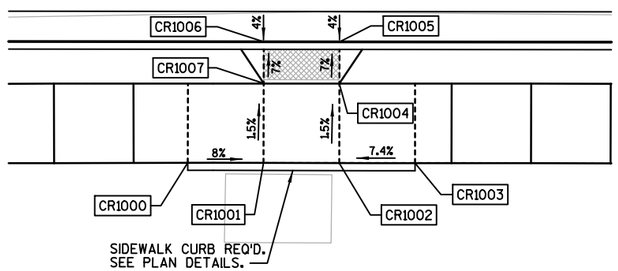
BUCKEYE RD.



CR-9

CR-10 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR1000	115+64.57	32.00'RT	888.54
CR1001	115+69.57	32.00'RT	888.14
CR1002	115+74.57	32.00'RT	888.11
CR1003	115+79.57	32.00'RT	888.48
CR1004	115+74.57	26.75'RT	888.04
CR1005	115+74.57	24.00'RT	887.85
CR1006	115+69.55	24.00'RT	887.88
CR1007	115+69.57	26.75'RT	888.07

BUCKEYE RD.



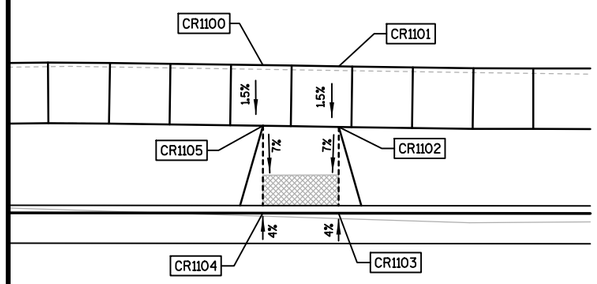
CR-10

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET CR-3	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\021022_cd.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

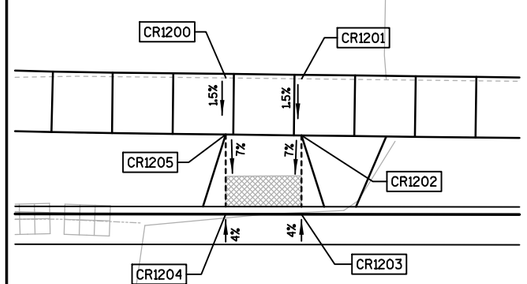
2

CR-11 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR1100	120+28.51	30.26'LT	884.11
CR1101	120+33.51	30.20'LT	884.15
CR1102	120+33.51	26.20'LT	884.09
CR1103	120+33.51	20.50'LT	883.69
CR1104	120+28.51	20.50'LT	883.65
CR1105	120+28.51	26.26'LT	884.05



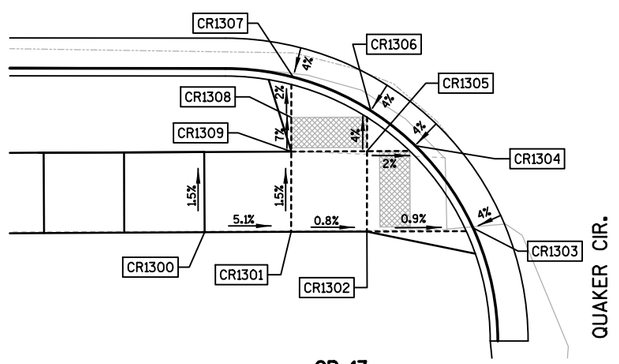
CR-11

CR-12 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR1200	120+85.85	29.49'LT	884.78
CR1201	120+90.85	29.44'LT	884.87
CR1202	120+90.85	25.70'LT	884.81
CR1203	120+90.85	20.50'LT	884.45
CR1204	120+85.85	20.50'LT	884.36
CR1205	120+85.85	25.75'LT	884.72



CR-12

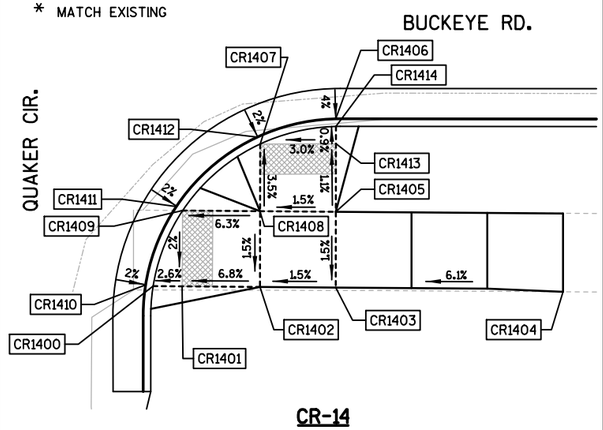
CR-13 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR1300	120+22.79	31.31'RT	884.10
CR1301	120+28.51	31.28'RT	883.81
CR1302	120+33.51	31.25'RT	883.77
CR1303	120+40.52	31.01'RT	883.71
CR1304	120+36.68	25.58'RT	883.63
CR1305	120+33.51	25.95'RT	883.70
CR1306	120+33.76	23.28'RT	883.59
CR1307	120+28.63	21.07'RT	883.53
CR1308	120+28.51	23.73'RT	883.58
CR1309	120+28.51	25.98'RT	883.74



CR-13

CR-14 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR1400	120+78.79	31.56'RT	883.83
CR1401	120+80.71	31.58'RT	883.88
CR1402	120+85.85	31.61'RT	884.23
CR1403	120+90.85	31.64'RT	884.30
CR1404	121+05.85	31.91'RT	*
CR1405	120+90.85	26.64'RT	884.37
CR1406	120+90.84	20.50'RT	884.30
CR1407	120+85.85	22.18'RT	884.17
CR1408	120+85.85	26.61'RT	884.30
CR1409	120+80.73	26.58'RT	883.98
CR1410	120+78.30	31.49'RT	883.82
CR1411	120+80.32	26.30'RT	883.97
CR1412	120+85.64	21.72'RT	884.16
CR1413	120+90.85	22.15'RT	884.32
CR1414	120+90.85	21.00'RT	884.31

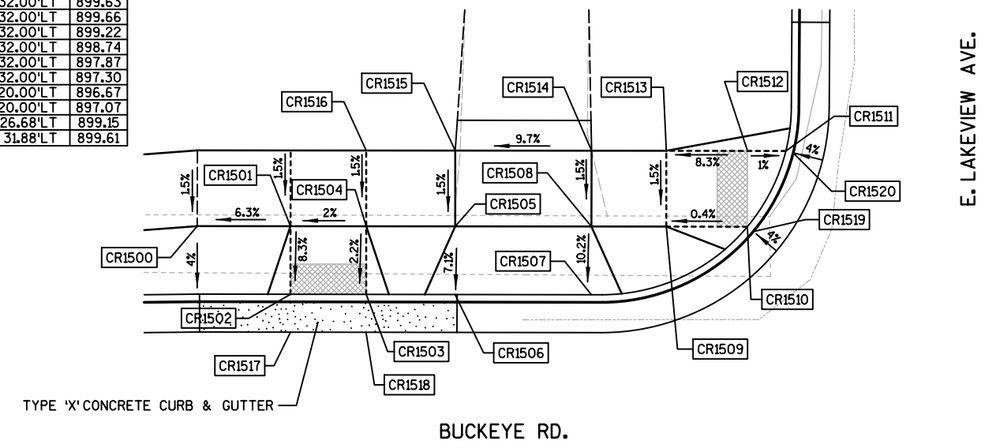
* MATCH EXISTING



CR-14

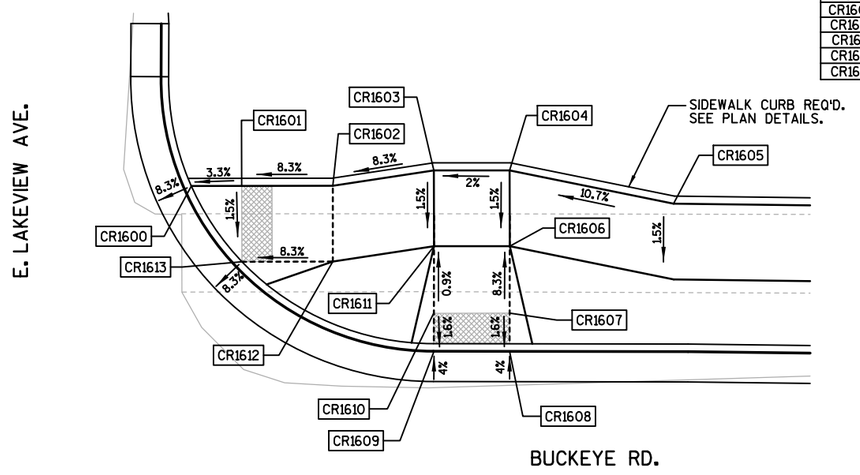
2

CR-15 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR1500	123+75.73	27.00'LT	896.74
CR1501	123+81.88	27.00'LT	897.13
CR1502	123+81.88	22.50'LT	896.76
CR1503	123+86.88	22.50'LT	897.13
CR1504	123+86.88	27.00'LT	897.23
CR1505	123+92.75	27.00'LT	897.80
CR1506	123+92.75	22.50'LT	897.48
CR1507	124+01.75	22.50'LT	898.21
CR1508	124+01.75	27.00'LT	898.67
CR1509	124+06.69	27.00'LT	899.15
CR1510	124+12.04	27.00'LT	899.17
CR1511	124+14.57	32.00'LT	899.63
CR1512	124+12.04	32.00'LT	899.66
CR1513	124+06.69	32.00'LT	899.22
CR1514	124+01.75	32.00'LT	898.74
CR1515	123+92.75	32.00'LT	897.87
CR1516	123+86.88	32.00'LT	897.30
CR1517	123+81.88	20.00'LT	896.67
CR1518	123+86.88	20.00'LT	897.07
CR1519	124+12.43	26.68'LT	899.15
CR1520	124+15.06	31.88'LT	899.61



CR-15

CR-16 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR1600	124+49.48	32.89'LT	902.52
CR1601	124+52.81	32.90'LT	902.63
CR1602	124+58.81	32.92'LT	903.13
CR1603	124+65.49	33.94'LT	903.69
CR1604	124+70.49	33.95'LT	903.79
CR1605	124+81.32	31.76'LT	904.97
CR1606	124+70.51	28.95'LT	903.72
CR1607	124+70.50	24.53'LT	904.09
CR1608	124+70.50	22.00'LT	904.05
CR1609	124+65.51	22.00'LT	903.62
CR1610	124+65.49	24.50'LT	903.66
CR1611	124+65.51	28.94'LT	903.62
CR1612	124+58.83	27.92'LT	903.06
CR1613	124+52.83	27.90'LT	902.56

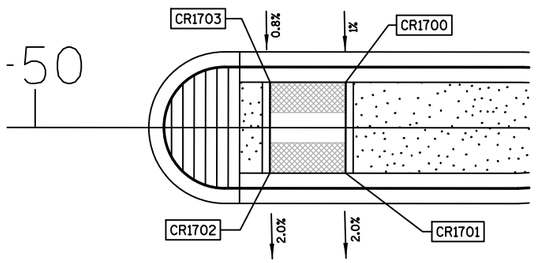


CR-16

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET CR-4	E

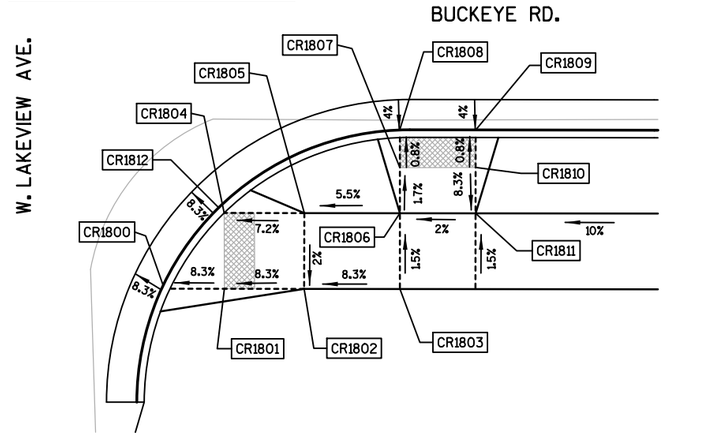
2

CR-17 POINTS			
POINT NO.	BUCKEYE ROAD STATION	OFFSET	ELEV.
CR1700	124+70.50	3.00'LT	---
CR1701	124+70.50	3.00'RT	---
CR1702	124+65.50	3.00'RT	---
CR1703	124+65.50	3.00'LT	903.64



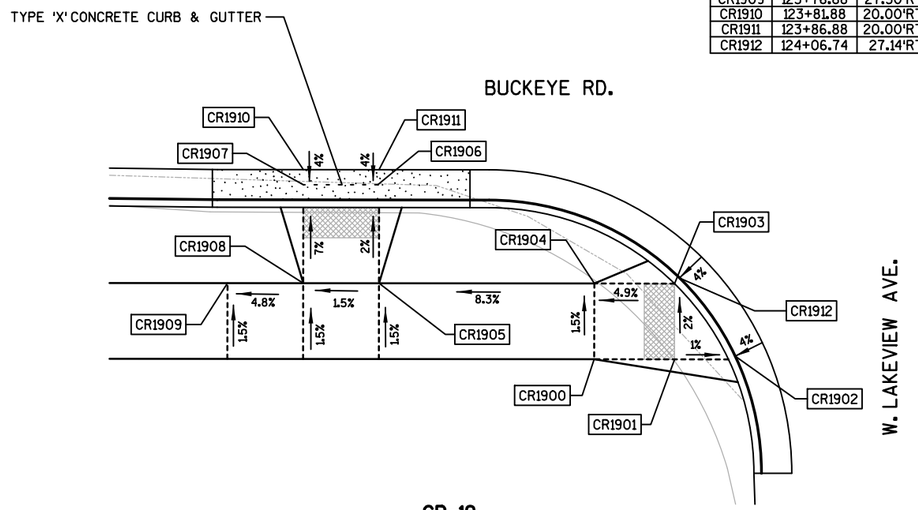
CR-17

CR-18 POINTS			
POINT NO.	BUCKEYE ROAD STATION	OFFSET	ELEV.
CR1800	124+49.88	32.29'RT	901.86
CR1801	124+53.92	32.50'RT	902.20
CR1802	124+59.19	32.50'RT	902.63
CR1803	124+65.50	32.50'RT	903.15
CR1804	124+53.89	27.50'RT	902.35
CR1805	124+59.19	27.50'RT	902.73
CR1806	124+65.50	27.50'RT	903.08
CR1807	124+65.50	24.50'RT	903.03
CR1808	124+65.48	22.01'RT	903.01
CR1809	124+70.50	22.00'RT	903.41
CR1810	124+70.51	24.47'RT	903.43
CR1811	124+70.50	27.50'RT	903.18
CR1812	124+53.54	27.14'RT	902.31



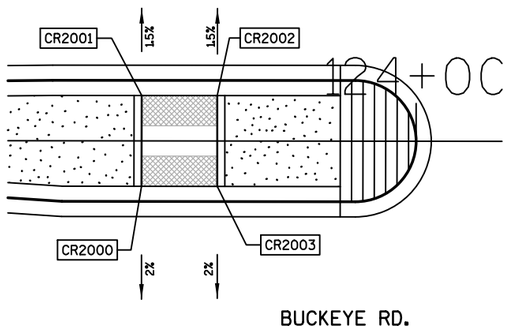
CR-18

CR-19 POINTS			
POINT898 898.43	BUCKEYE ROAD STATION	OFFSET	ELEV.
CR1900	124+01.09	32.50'RT	898.14
CR1901	124+06.39	32.50'RT	898.43
CR1902	124+10.40	32.29'RT	898.39
CR1903	124+06.39	27.50'RT	898.33
CR1904	124+01.09	27.50'RT	898.07
CR1905	123+86.88	27.50'RT	896.89
CR1906	123+86.79	21.00'RT	896.76
CR1907	123+81.88	21.00'RT	896.36
CR1908	123+81.88	27.50'RT	896.82
CR1909	123+76.88	27.50'RT	896.58
CR1910	123+81.88	20.00'RT	896.40
CR1911	123+86.88	20.00'RT	896.80
CR1912	124+06.74	27.14'RT	898.31



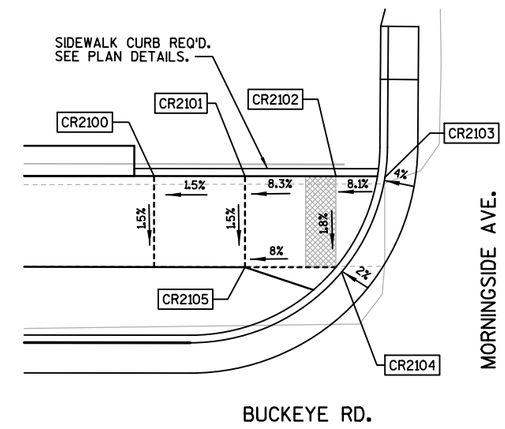
CR-19

CR-20 POINTS			
POINT NO.	BUCKEYE ROAD STATION	OFFSET	ELEV.
CR2000	123+81.88	3.00'RT	---
CR2001	123+81.88	3.00'LT	---
CR2002	123+86.88	3.00'LT	---
CR2003	123+86.88	3.00'RT	---



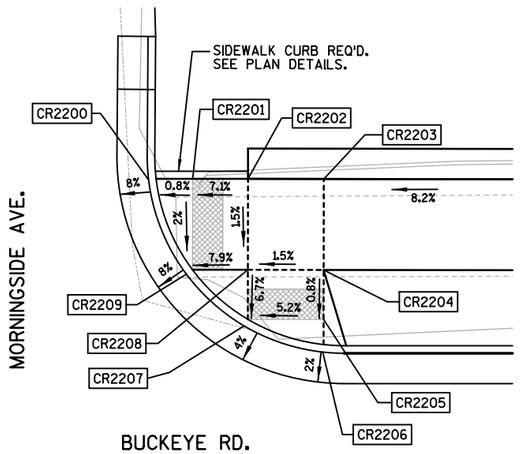
CR-20

CR-21 POINTS			
POINT NO.	BUCKEYE ROAD STATION	OFFSET	ELEV.
CR2100	126+93.27	31.50'LT	922.92
CR2101	126+99.27	31.50'LT	923.01
CR2102	127+05.27	31.50'LT	923.51
CR2103	127+08.50	31.42'LT	923.72
CR2104	127+05.66	25.18'LT	923.39
CR2105	126+99.27	25.50'LT	922.92



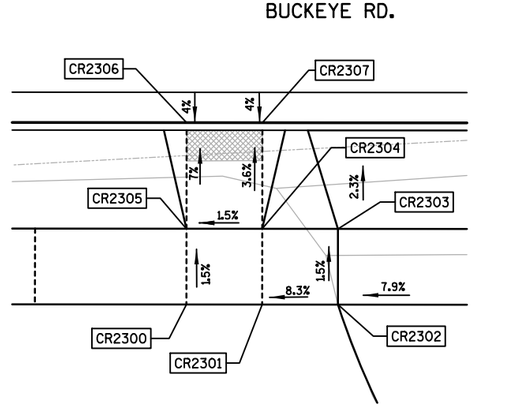
CR-21

CR-22 POINTS			
POINT NO.	BUCKEYE ROAD STATION	OFFSET	ELEV.
CR2200	127+40.76	31.94'LT	925.95
CR2201	127+43.67	32.00'LT	925.98
CR2202	127+47.32	32.00'LT	926.24
CR2203	127+52.32	32.00'LT	926.31
CR2204	127+52.32	26.00'LT	926.22
CR2205	127+52.32	22.73'LT	926.19
CR2206	127+52.27	20.58'LT	926.17
CR2207	127+47.07	22.30'LT	925.92
CR2208	127+47.32	26.00'LT	926.15
CR2209	127+43.27	25.70'LT	925.85



CR-22

CR-23 POINTS			
POINT NO.	BUCKEYE ROAD STATION	OFFSET	ELEV.
CR2300	127+47.32	32.50'RT	925.54
CR2301	127+52.32	32.50'RT	925.61
CR2302	127+57.32	32.50'RT	926.03
CR2303	127+57.32	27.50'RT	925.96
CR2304	127+52.32	27.50'RT	925.54
CR2305	127+47.32	27.50'RT	925.47
CR2306	127+47.32	20.50'RT	924.98
CR2307	127+52.32	20.50'RT	925.29



CR-23

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET CR-5	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\021024_cd.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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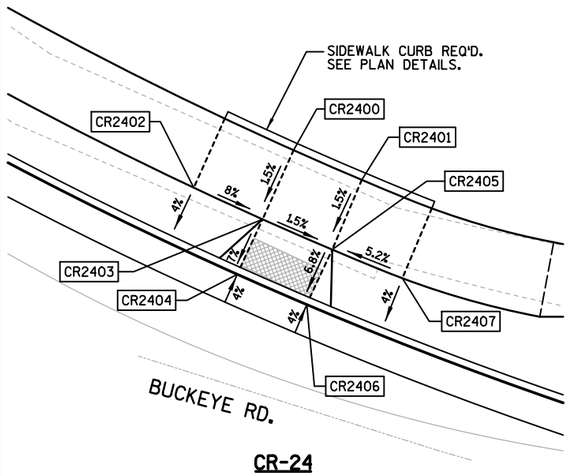
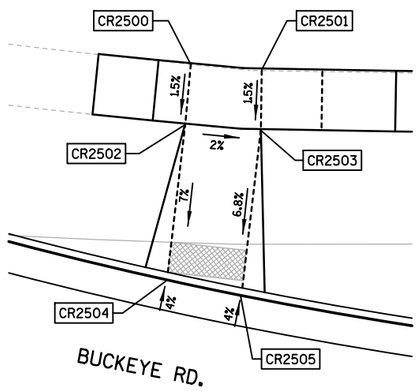
CR-24 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR2400	130+01.12	30.73'LT	933.49
CR2401	130+06.91	30.61'LT	933.42
CR2402	129+95.27	25.80'LT	933.82
CR2403	130+01.01	25.73'LT	933.42
CR2404	130+00.86	21.73'LT	933.14
CR2405	130+06.74	25.61'LT	933.35
CR2406	130+06.48	21.62'LT	933.08
CR2407	130+12.48	25.47'LT	933.61



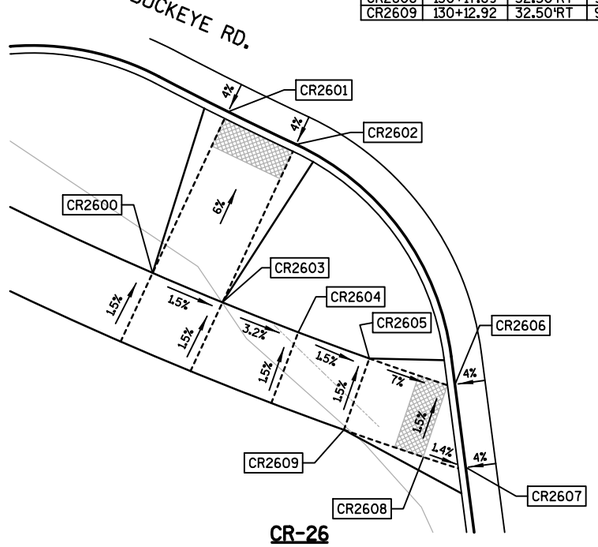
CR-24

CR-25 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR2500	130+59.24	32.83'LT	932.96
CR2501	130+64.85	32.93'LT	932.86
CR2502	130+59.32	28.83'LT	932.90
CR2503	130+65.16	28.94'LT	932.80
CR2504	130+59.19	18.44'LT	932.17
CR2505	130+64.69	17.89'LT	932.05



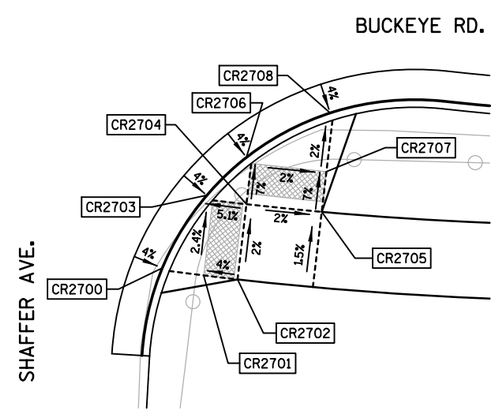
CR-25

CR-26 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR2600	129+99.40	27.50'RT	933.60
CR2601	129+99.69	15.76'RT	932.90
CR2602	130+04.31	16.01'RT	932.83
CR2603	130+03.79	27.50'RT	933.53
CR2604	130+08.52	27.50'RT	933.36
CR2605	130+12.92	27.50'RT	933.29
CR2606	130+18.10	27.28'RT	932.87
CR2607	130+20.16	32.29'RT	932.94
CR2608	130+17.69	32.50'RT	932.98
CR2609	130+12.92	32.50'RT	933.36



CR-26

CR-27 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR2700	130+54.66	32.37'RT	932.17
CR2701	130+57.05	32.50'RT	932.18
CR2702	130+58.98	32.50'RT	932.27
CR2703	130+56.67	27.22'RT	932.03
CR2704	130+59.00	27.50'RT	932.17
CR2705	130+63.40	27.50'RT	932.07
CR2706	130+58.70	24.43'RT	931.95
CR2707	130+63.46	24.84'RT	931.88
CR2708	130+63.37	20.96'RT	931.80

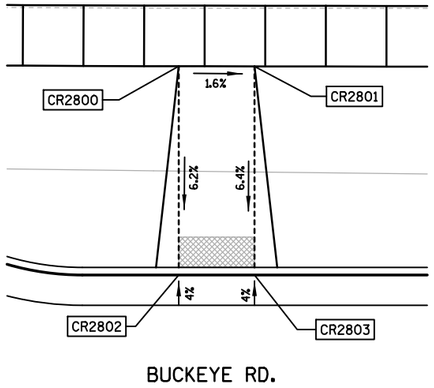


CR-27

2

CR-28 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR2800	132+62.68	28.28'LT	*
CR2801	132+67.68	28.27'LT	*
CR2802	132+62.68	14.50'LT	927.51
CR2803	132+67.68	14.50'LT	927.41

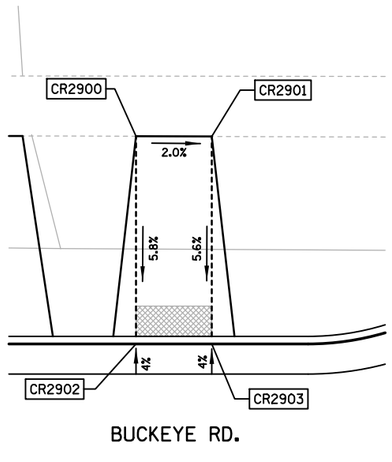
* MATCH EXISTING



CR-28

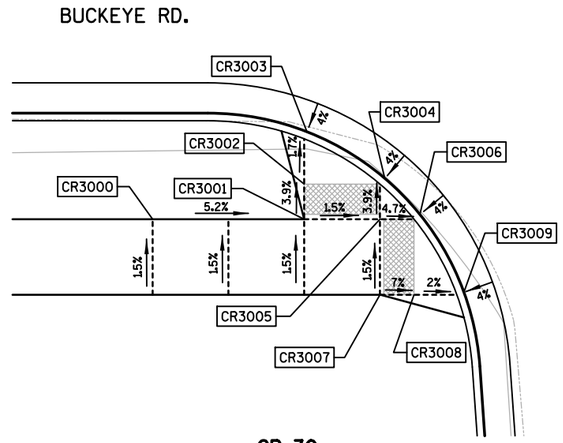
CR-29 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR2900	133+17.14	28.20'LT	*
CR2901	133+22.14	28.19'LT	*
CR2902	133+17.14	14.50'LT	926.67
CR2903	133+22.14	14.50'LT	926.60

* MATCH EXISTING



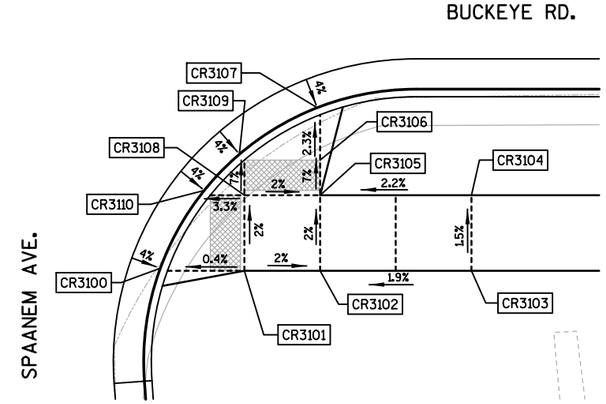
CR-29

CR-30 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR3000	132+52.68	27.50'RT	928.28
CR3001	132+62.68	27.50'RT	927.76
CR3002	132+62.68	25.19'RT	927.67
CR3003	132+62.86	21.73'RT	927.61
CR3004	132+68.00	24.81'RT	927.58
CR3005	132+67.68	27.50'RT	927.69
CR3006	132+70.32	27.19'RT	927.56
CR3007	132+67.68	32.50'RT	927.76
CR3008	132+69.93	32.50'RT	927.60
CR3009	132+73.23	32.33'RT	927.53



CR-30

CR-31 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR3100	133+11.59	32.33'RT	926.95
CR3101	133+17.14	32.50'RT	926.97
CR3102	133+22.14	32.50'RT	926.87
CR3103	133+32.14	32.50'RT	927.06
CR3104	133+32.14	27.50'RT	926.99
CR3105	133+22.14	27.50'RT	926.77
CR3106	133+22.14	25.19'RT	926.61
CR3107	133+21.96	21.73'RT	926.53
CR3108	133+17.14	27.50'RT	926.87
CR3109	133+16.81	24.81'RT	926.69
CR3110	133+14.50	27.19'RT	926.78



CR-31

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET CR-6	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\021025_cd.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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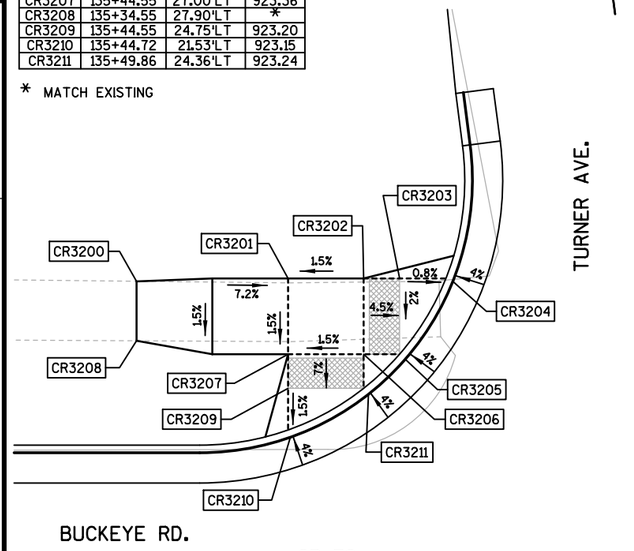
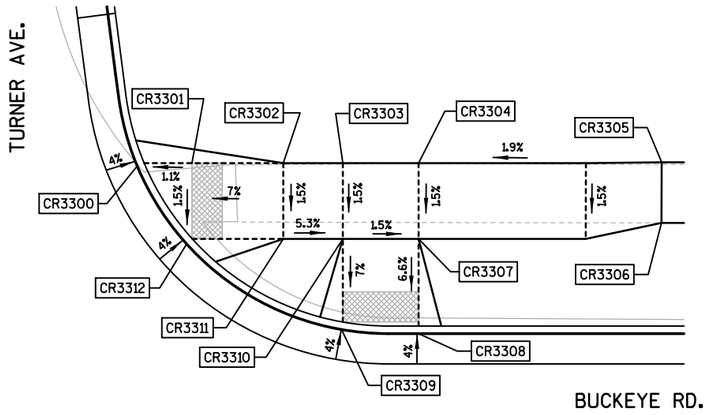
CR-32 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR3200	135+34.55	31.82'LT	*
CR3201	135+44.55	32.00'LT	923.43
CR3202	135+49.55	32.00'LT	923.50
CR3203	135+51.92	32.00'LT	923.42
CR3204	135+55.44	31.81'LT	923.39
CR3205	135+52.30	26.67'LT	923.30
CR3206	135+49.55	27.00'LT	923.43
CR3207	135+44.55	27.00'LT	923.36
CR3208	135+34.55	27.90'LT	*
CR3209	135+44.55	24.75'LT	923.20
CR3210	135+44.72	21.53'LT	923.15
CR3211	135+49.86	24.36'LT	923.24

* MATCH EXISTING



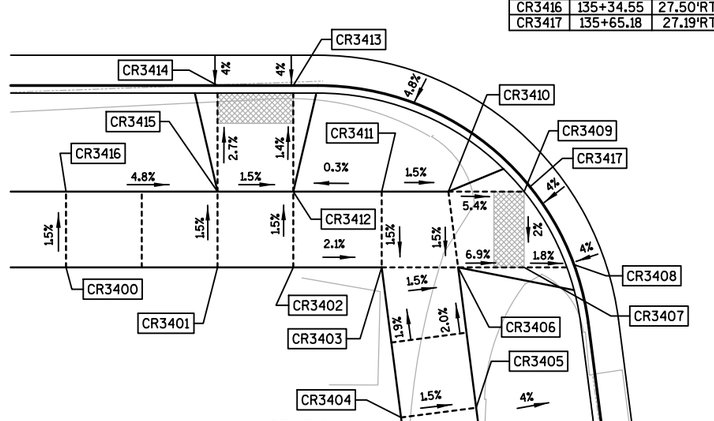
CR-32

CR-33 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR3300	135+94.72	31.56'LT	923.20
CR3301	135+98.33	31.75'LT	923.24
CR3302	136+04.36	31.75'LT	923.63
CR3303	136+08.30	31.75'LT	923.42
CR3304	136+13.30	31.75'LT	923.35
CR3305	136+29.34	31.81'LT	923.66
CR3306	136+29.33	27.81'LT	923.60
CR3307	136+13.30	26.75'LT	923.28
CR3308	136+13.30	20.50'LT	922.87
CR3309	136+08.21	20.77'LT	922.93
CR3310	136+08.30	26.75'LT	923.35
CR3311	136+04.36	26.75'LT	923.56
CR3312	135+97.99	26.41'LT	923.11



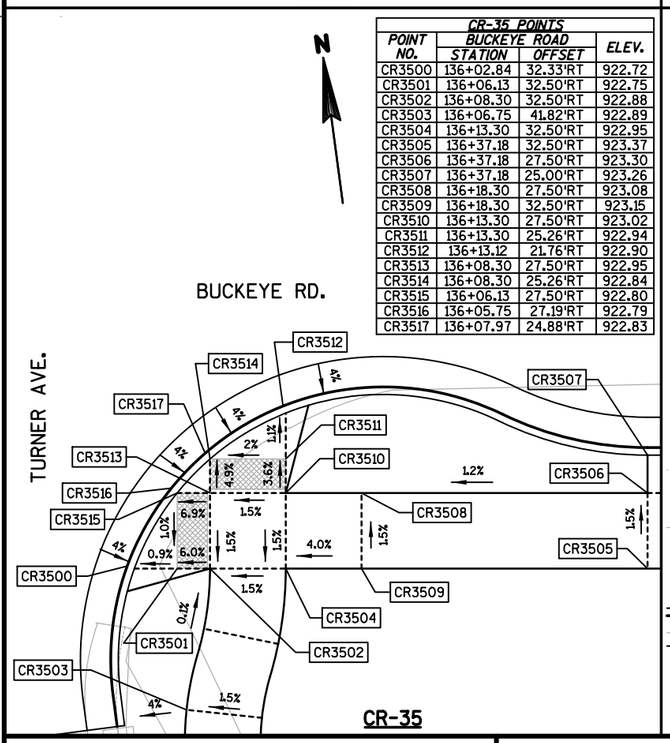
CR-33

CR-34 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR3400	135+34.55	32.50'RT	923.99
CR3401	135+44.55	32.50'RT	923.49
CR3402	135+49.55	32.50'RT	923.42
CR3403	135+55.40	32.50'RT	923.30
CR3404	135+56.68	42.42'RT	923.49
CR3405	135+61.63	41.78'RT	923.42
CR3406	135+60.44	32.50'RT	923.23
CR3407	135+64.79	32.50'RT	922.93
CR3408	135+68.09	32.33'RT	922.87
CR3409	135+64.79	27.50'RT	923.03
CR3410	135+59.79	27.50'RT	923.30
CR3411	135+55.40	27.50'RT	923.37
CR3412	135+49.55	27.50'RT	923.35
CR3413	135+49.55	20.50'RT	923.25
CR3414	135+44.55	20.50'RT	923.23
CR3415	135+44.55	27.50'RT	923.42
CR3416	135+34.55	27.50'RT	923.90
CR3417	135+65.18	27.19'RT	923.02



CR-34

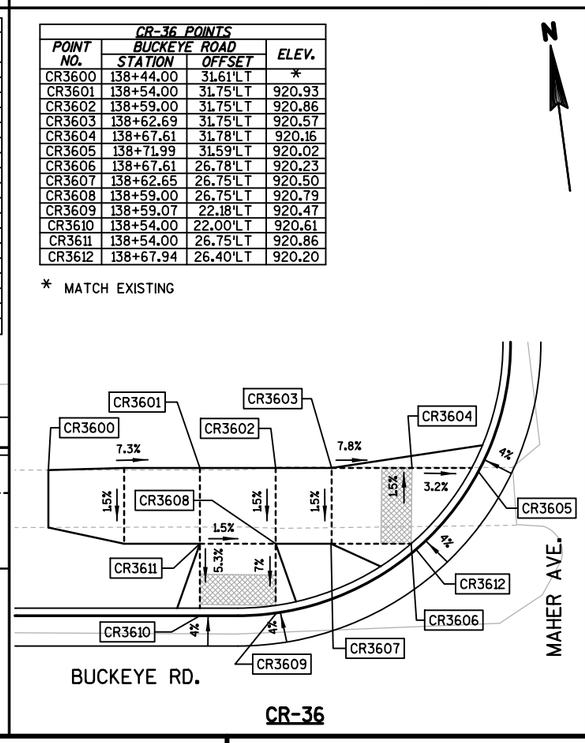
CR-35 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR3500	136+02.84	32.33'RT	922.72
CR3501	136+06.13	32.50'RT	922.75
CR3502	136+08.30	32.50'RT	922.88
CR3503	136+06.75	41.82'RT	922.89
CR3504	136+13.30	32.50'RT	922.95
CR3505	136+37.18	32.50'RT	923.37
CR3506	136+37.18	27.50'RT	923.30
CR3507	136+37.18	25.00'RT	923.26
CR3508	136+18.30	27.50'RT	923.08
CR3509	136+18.30	32.50'RT	923.15
CR3510	136+13.30	27.50'RT	923.02
CR3511	136+13.30	25.26'RT	922.94
CR3512	136+13.12	21.76'RT	922.90
CR3513	136+08.30	27.50'RT	922.95
CR3514	136+08.30	25.26'RT	922.84
CR3515	136+06.13	27.50'RT	922.80
CR3516	136+05.75	27.19'RT	922.79
CR3517	136+07.97	24.88'RT	922.83



CR-35

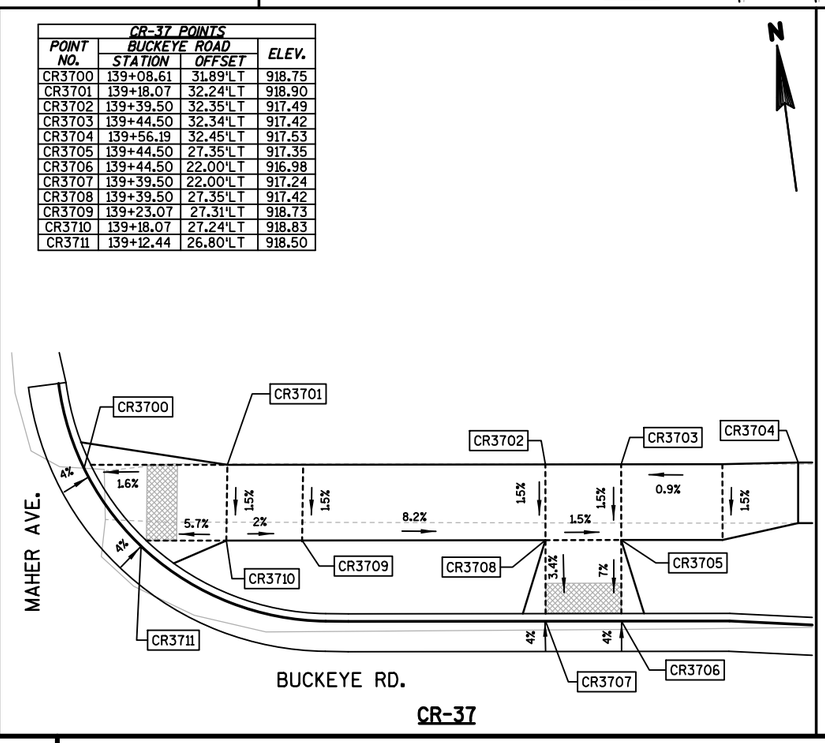
CR-36 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR3600	138+44.00	31.61'LT	*
CR3601	138+54.00	31.75'LT	920.93
CR3602	138+59.00	31.75'LT	920.86
CR3603	138+62.69	31.75'LT	920.57
CR3604	138+67.61	31.78'LT	920.16
CR3605	138+71.99	31.59'LT	920.02
CR3606	138+67.61	26.78'LT	920.23
CR3607	138+62.65	26.75'LT	920.50
CR3608	138+59.00	26.75'LT	920.79
CR3609	138+59.07	22.18'LT	920.47
CR3610	138+54.00	22.00'LT	920.61
CR3611	138+54.00	26.75'LT	920.86
CR3612	138+67.94	26.40'LT	920.20

* MATCH EXISTING



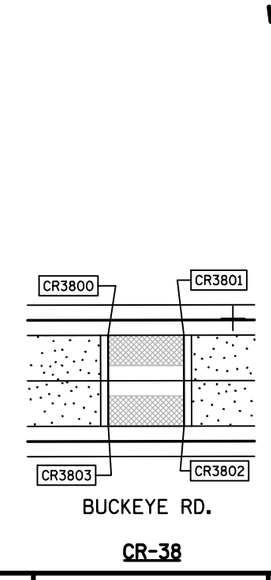
CR-36

CR-37 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR3700	139+08.61	31.89'LT	918.75
CR3701	139+18.07	32.24'LT	918.90
CR3702	139+39.50	32.35'LT	917.49
CR3703	139+44.50	32.34'LT	917.42
CR3704	139+56.19	32.45'LT	917.53
CR3705	139+44.50	27.35'LT	917.35
CR3706	139+44.50	22.00'LT	916.98
CR3707	139+39.50	22.00'LT	917.24
CR3708	139+39.50	27.35'LT	917.42
CR3709	139+23.07	27.31'LT	918.73
CR3710	139+18.07	27.24'LT	918.83
CR3711	139+12.44	26.80'LT	918.50



CR-37

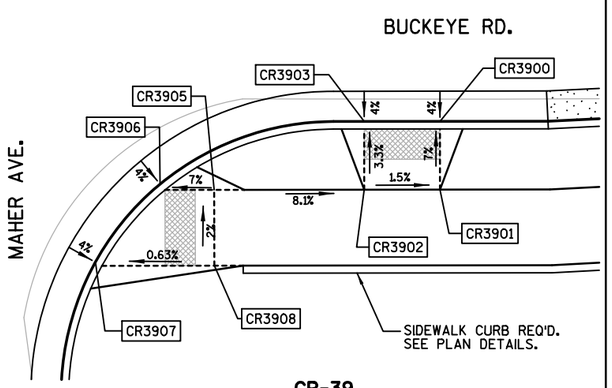
CR-38 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR3800	139+39.50	3.00'LT	---
CR3801	139+44.50	3.00'LT	---
CR3802	139+44.50	3.00'RT	---
CR3803	139+39.50	3.00'RT	---



CR-38

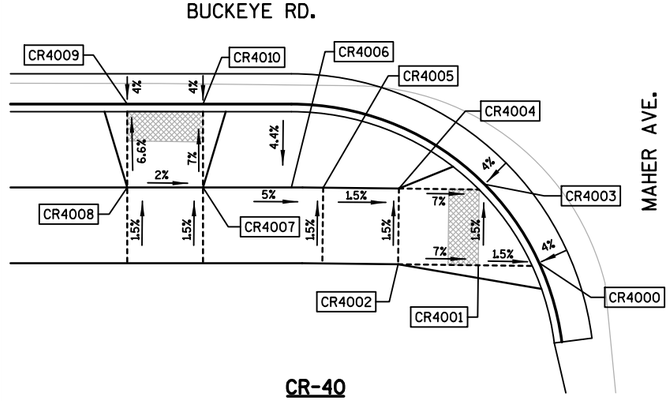
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET CR-7	E

CR-39 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR3900	139+44.50	22.00'RT	917.76
CR3901	139+44.50	26.50'RT	918.08
CR3902	139+39.50	26.50'RT	918.15
CR3903	139+39.50	22.00'RT	918.00
CR3904	---	---	---
CR3905	139+29.59	26.50'RT	918.95
CR3906	139+26.34	26.12'RT	918.69
CR3907	139+22.17	31.32'RT	919.00
CR3908	139+29.59	31.50'RT	919.05



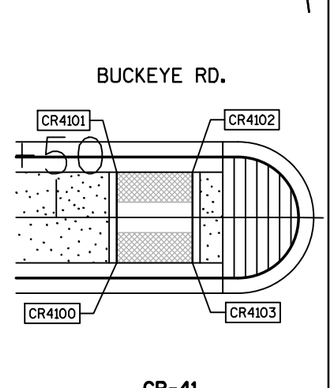
CR-39

CR-40 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR4000	138+81.59	32.29'RT	920.46
CR4001	138+77.57	32.50'RT	920.52
CR4002	138+72.28	32.50'RT	920.89
CR4003	138+77.92	27.14'RT	920.42
CR4004	138+72.28	27.50'RT	920.82
CR4005	138+67.28	27.50'RT	920.89
CR4006	138+64.84	27.50'RT	921.00
CR4007	138+59.00	27.50'RT	921.29
CR4008	138+54.00	27.50'RT	921.39
CR4009	138+54.00	22.00'RT	921.03
CR4010	138+59.00	22.00'RT	920.91



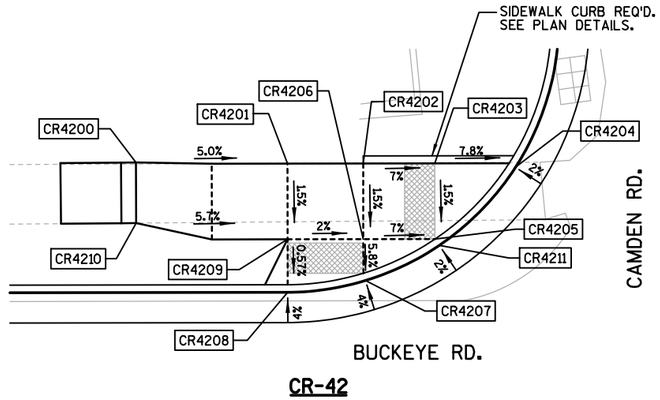
CR-40

CR-41 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR4100	138+54.00	3.00'RT	---
CR4101	138+54.00	3.00'LT	---
CR4102	138+59.00	3.00'LT	---
CR4103	138+59.00	3.00'RT	---



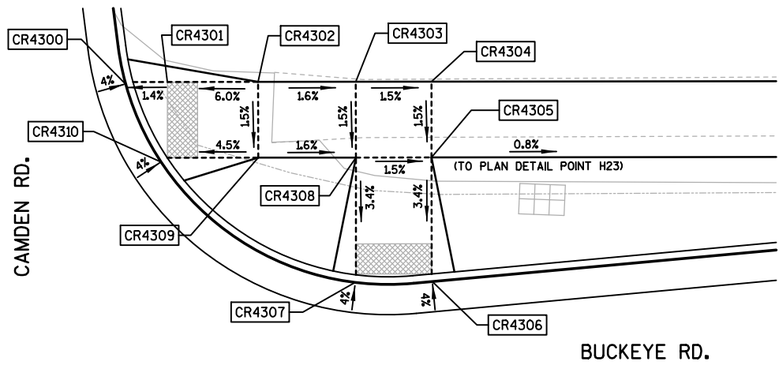
CR-41

CR-42 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR4200	141+61.15	32.58'LT	904.96
CR4201	141+71.15	32.50'LT	904.46
CR4202	141+76.15	32.50'LT	904.36
CR4203	141+80.88	32.50'LT	904.03
CR4204	141+86.20	32.23'LT	903.61
CR4205	141+80.88	27.50'LT	903.96
CR4206	141+76.15	27.50'LT	904.29
CR4207	141+76.29	24.77'LT	904.13
CR4208	141+71.15	24.00'LT	904.37
CR4209	141+71.15	27.50'LT	904.39
CR4210	141+61.15	28.58'LT	904.96
CR4211	141+81.16	27.09'LT	903.93



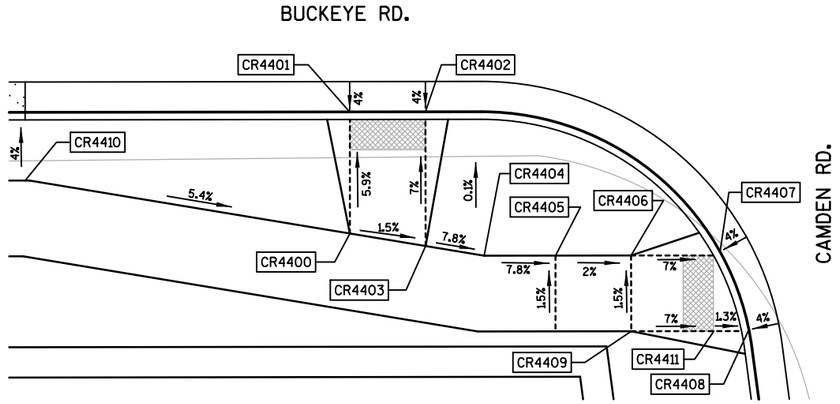
CR-42

CR-43 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR4300	142+27.35	31.69'LT	902.23
CR4301	142+30.09	31.79'LT	902.27
CR4302	142+36.09	31.72'LT	902.63
CR4303	142+42.54	31.64'LT	902.53
CR4304	142+47.54	31.58'LT	902.46
CR4305	142+47.48	26.58'LT	902.39
CR4306	142+47.42	18.39'LT	902.11
CR4307	142+42.32	18.41'LT	902.18
CR4308	142+42.48	26.64'LT	902.46
CR4309	142+36.03	26.72'LT	902.56
CR4310	142+29.61	26.52'LT	902.27



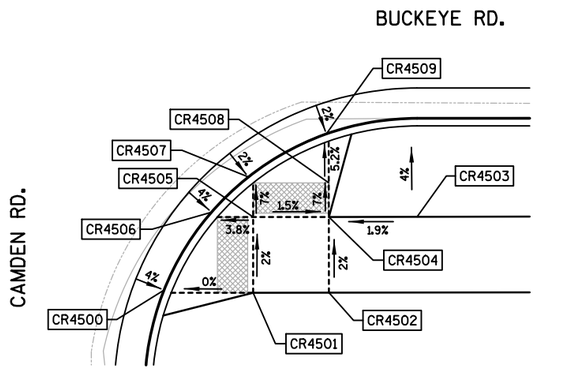
CR-43

CR-44 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR4400	141+71.15	25.02'RT	904.98
CR4401	141+71.15	17.00'RT	904.51
CR4402	141+76.15	17.00'RT	904.29
CR4403	141+76.15	25.86'RT	904.91
CR4404	141+80.00	26.50'RT	904.61
CR4405	141+84.71	26.50'RT	904.24
CR4406	141+89.71	26.50'RT	904.14
CR4407	141+95.58	26.26'RT	903.73
CR4408	141+97.48	31.40'RT	903.80
CR4409	141+89.71	31.50'RT	904.21
CR4410	141+49.71	21.50'RT	906.15
CR4411	141+95.17	31.50'RT	903.83



CR-44

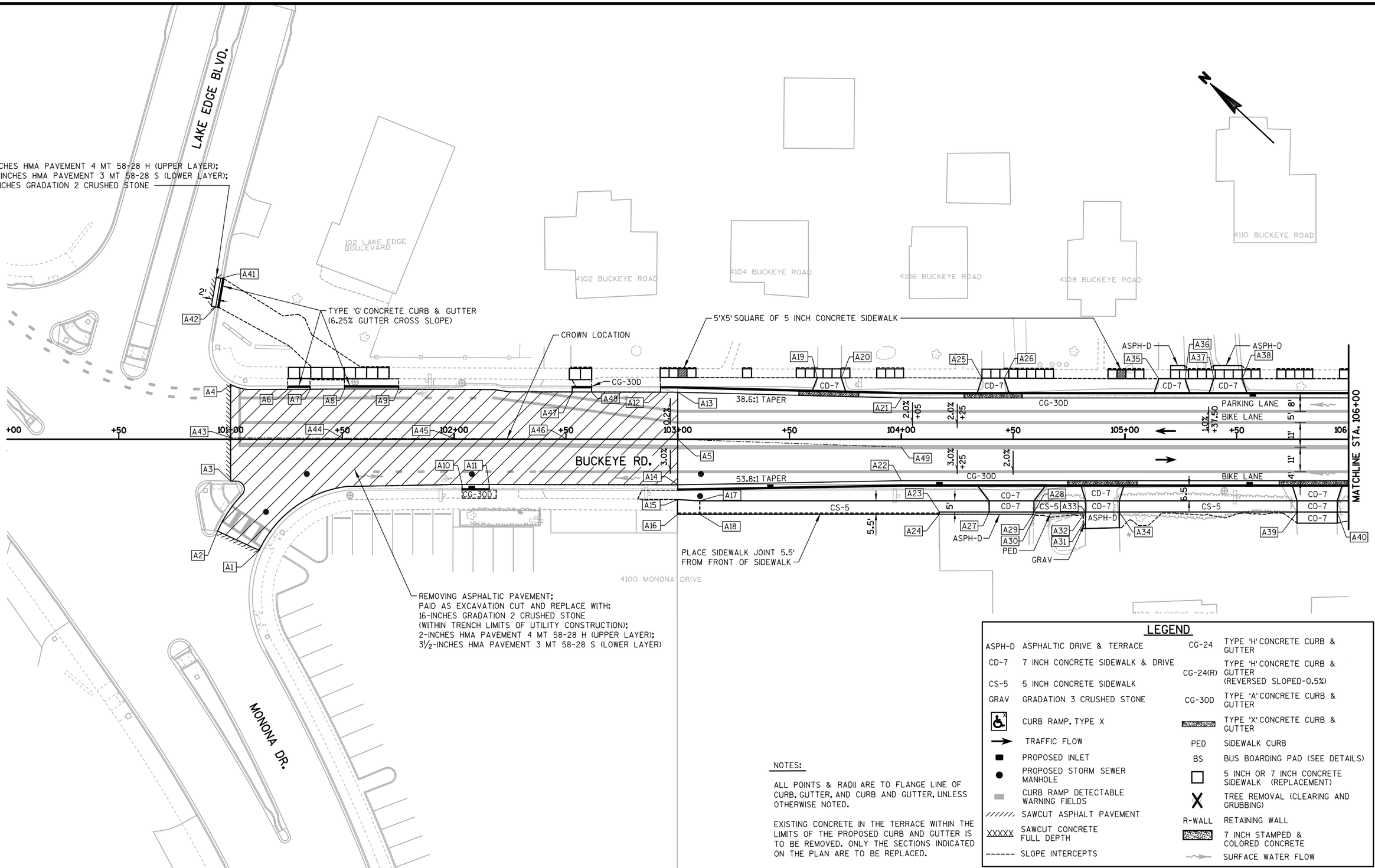
CR-45 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR4500	142+35.88	32.60'RT	902.73
CR4501	142+41.76	32.85'RT	902.73
CR4502	142+46.76	32.91'RT	902.66
CR4503	142+52.65	27.98'RT	902.67
CR4504	142+46.82	27.91'RT	902.56
CR4505	142+41.82	27.85'RT	902.63
CR4506	142+39.09	27.49'RT	902.52
CR4507	142+41.55	25.21'RT	902.44
CR4508	142+46.85	25.66'RT	902.40
CR4509	142+46.72	22.44'RT	902.23



CR-45

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET CR-8	E

2



LEGEND

ASPH-D	ASPHALTIC DRIVE & TERRACE	CG-24	TYPE 'H' CONCRETE CURB & GUTTER
CD-7	7 INCH CONCRETE SIDEWALK & DRIVE	CG-24(R)	TYPE 'H' CONCRETE CURB & GUTTER (REVERSED SLOPED-0.5%)
CS-5	5 INCH CONCRETE SIDEWALK	CG-30D	TYPE 'A' CONCRETE CURB & GUTTER
GRAV	GRADATION 3 CRUSHED STONE		TYPE 'X' CONCRETE CURB & GUTTER
	CURB RAMP, TYPE X	PED	SIDEWALK CURB
	TRAFFIC FLOW	BS	BUS BOARDING PAD (SEE DETAILS)
	PROPOSED INLET		5 INCH OR 7 INCH CONCRETE SIDEWALK (REPLACEMENT)
	PROPOSED STORM SEWER MANHOLE		TREE REMOVAL (CLEARING AND GRUBBING)
	CURB RAMP DETECTABLE WARNING FIELDS	R-WALL	RETAINING WALL
	SAWCUT ASPHALT PAVEMENT		7 INCH STAMPED & COLORED CONCRETE
XXXXX	SAWCUT CONCRETE FULL DEPTH		SURFACE WATER FLOW
	SLOPE INTERCEPTS		

NOTES:

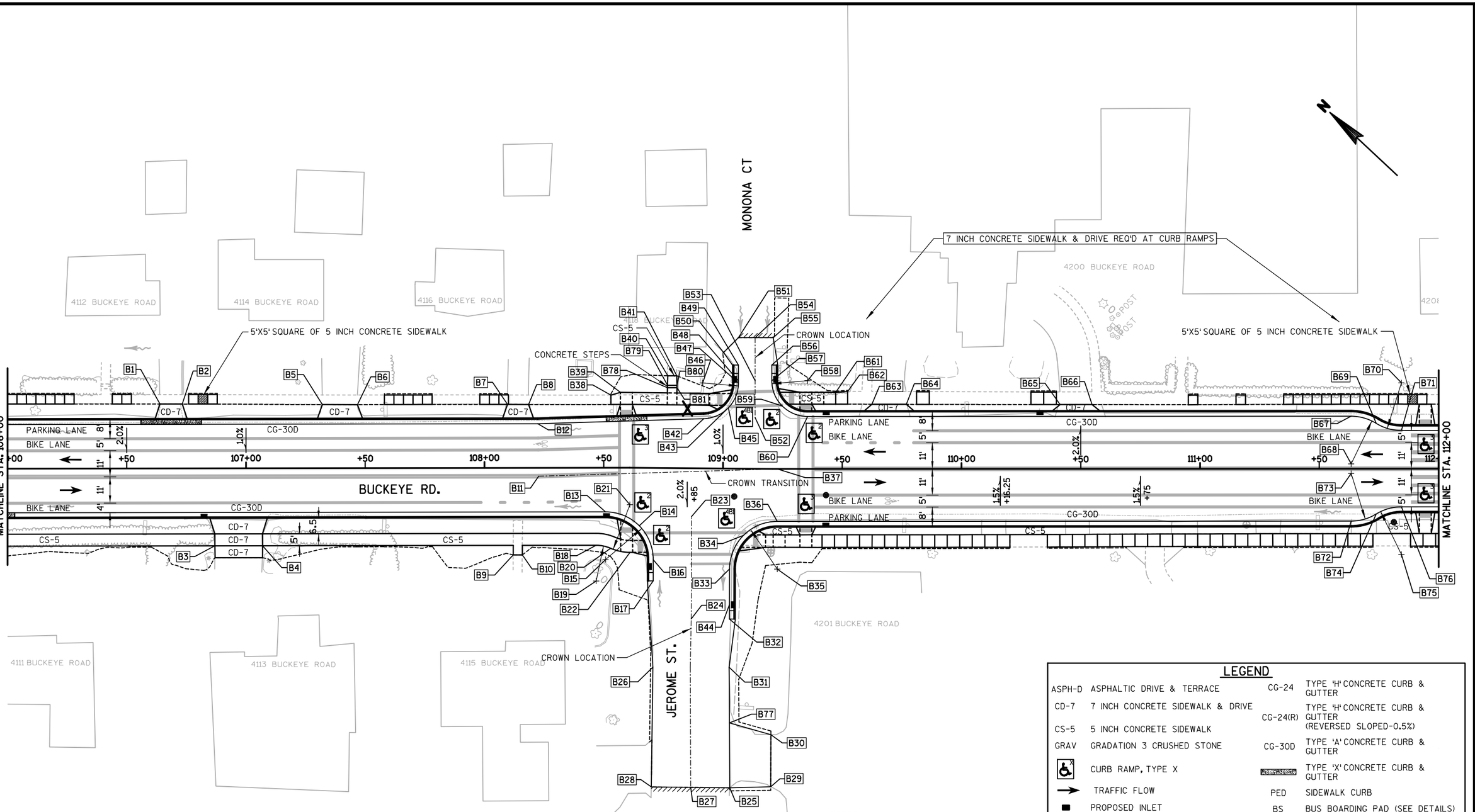
ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PLAN DETAILS	SHEET PD-1	E

POINT NO.	BUCKEYE ROAD		ELEV.	Y	X	REMARKS
	STATION	OFFSET				
A1	101+12.81	49.66'RT	---	484,681.60	837,296.35	MATCH EXIST.; EOP
A2	100+94.19	41.08'RT	---	484,701.06	837,289.88	MATCH EXIST.; EOP
A3	101+00.00	18.70'RT	---	484,712.11	837,310.20	MATCH EXIST.; EOP
A4	101+00.00	24.54'LT	---	484,741.66	837,341.77	MATCH EXIST.; EOP
A5	103+00.00	0.00'RT	856.90	484,578.86	837,460.50	CROWN LOCATION
A6	101+25.56	22.36'LT	---	484,721.50	837,357.63	MATCH EXIST.; EOP; BEGIN CONCRETE CURB & GUTTER
A7	101+35.56	22.41'LT	---	484,714.24	837,364.51	MATCH EXIST.; EOP; END CONCRETE CURB & GUTTER
A8	101+50.96	22.49'LT	---	484,703.05	837,375.09	MATCH EXIST.; EOP; BEGIN CONCRETE CURB & GUTTER
A9	101+75.16	22.44'LT	---	484,685.35	837,391.59	MATCH EXIST.; EOP; END CONCRETE CURB & GUTTER
A10	102+03.57	20.23'RT	---	484,635.45	837,379.85	MATCH EXIST.; EOP; BEGIN CONCRETE CURB & GUTTER
A11	102+15.68	20.24'RT	---	484,626.60	837,388.11	MATCH EXIST.; EOP; END CONCRETE CURB & GUTTER
A12	102+92.31	21.10'LT	---	484,598.89	837,470.66	MATCH EXIST.; EOP; BEGIN CONCRETE CURB & GUTTER
A13	103+00.00	21.09'LT	---	484,593.27	837,475.91	MATCH EXIST.; EOP; BEGIN TAPER
A14	103+00.00	20.36'RT	---	484,564.95	837,445.64	MATCH EXIST.; EOP; BEGIN CONCRETE CURB & GUTTER; BEGIN TAPER
A15	102+99.87	26.93'RT	---	484,560.56	837,440.76	MATCH EXIST.; FOW
A16	102+99.86	33.55'RT	---	484,556.04	837,435.91	MATCH EXIST.; BOW
A17	103+09.86	27.50'RT	856.65	484,552.87	837,447.16	FOW
A18	103+09.86	33.55'RT	---	484,548.74	837,442.75	MATCH EXIST.; BOW
A19	103+62.42	27.54'LT	---	484,552.10	837,523.26	MATCH EXIST.; FOW
A20	103+73.17	27.53'LT	---	484,544.24	837,530.60	MATCH EXIST.; FOW
A21	104+00.00	18.50'LT	858.58	484,518.48	837,542.34	EOP; END TAPER
A22	104+00.00	18.50'RT	857.71	484,493.20	837,515.33	EOP; END TAPER
A23	104+16.99	32.50'RT	858.65	484,471.23	837,516.71	BOW
A24	104+16.99	33.50'RT	---	484,470.55	837,515.98	MATCH EXIST.
A25	104+36.05	27.42'LT	---	484,498.26	837,573.48	MATCH EXIST.; FOW
A26	104+46.08	27.39'LT	---	484,490.91	837,580.32	MATCH EXIST.; FOW
A27	104+39.28	32.50'RT	859.13	484,454.95	837,531.95	BOW
A28	104+59.28	32.50'RT	859.76	484,440.35	837,545.61	BOW
A29	104+58.96	33.50'RT	---	484,439.90	837,544.66	MATCH EXIST.
A30	104+60.40	32.50'RT	---	484,439.54	837,546.37	BOW; BEGIN CONCRETE CURB PEDESTRIAN
A31	104+81.44	37.50'RT	---	484,420.76	837,557.10	MATCH EXIST.
A32	104+81.44	33.81'RT	---	484,423.28	837,559.80	MATCH EXIST.
A33	104+82.44	32.50'RT	860.73	484,423.44	837,561.43	BOW; END CONCRETE CURB PEDESTRIAN
A34	104+97.44	32.50'RT	861.31	484,412.49	837,571.68	BOW
A35	105+15.16	27.14'LT	---	484,440.30	837,627.34	MATCH EXIST.; FOW
A36	105+26.94	27.13'LT	---	484,431.70	837,635.38	MATCH EXIST.; FOW
A37	105+39.75	27.13'LT	---	484,422.34	837,644.13	MATCH EXIST.; FOW
A38	105+52.46	27.13'LT	---	484,413.06	837,652.81	MATCH EXIST.; FOW
A39	105+76.99	32.50'RT	863.75	484,354.40	837,626.04	BOW
A40	105+94.99	32.50'RT	864.06	484,341.26	837,638.34	BOW
A41	100+95.62	72.04'LT	---	484,777.31	837,373.45	MATCH EXIST.; EOP; END CONCRETE CURB & GUTTER
A42	100+93.36	59.24'LT	---	484,770.21	837,362.56	MATCH EXIST.; EOP; BEGIN CONCRETE CURB & GUTTER
A43	101+00.00	0.69'LT	---	484,725.36	837,324.35	MATCH EXIST.; CROWN LOCATION
A44	101+50.00	0.57'LT	856.13	484,688.77	837,358.43	CROWN LOCATION
A45	102+00.00	0.45'LT	855.94	484,652.18	837,392.50	CROWN LOCATION
A46	102+50.00	0.24'LT	856.36	484,615.53	837,426.52	CROWN LOCATION
A47	102+52.77	21.18'LT	---	484,627.82	837,443.70	MATCH EXIST.; EOP; BEGIN CONCRETE CURB & GUTTER
A48	102+61.60	21.15'LT	---	484,621.45	837,449.61	MATCH EXIST.; EOP; END CONCRETE CURB & GUTTER
A49	104+00.00	3.50'RT	858.16	484,503.45	837,526.28	CROWN LOCATION

2



NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

LEGEND

ASPH-D	ASPHALTIC DRIVE & TERRACE	CG-24	TYPE 'H' CONCRETE CURB & GUTTER
CD-7	7 INCH CONCRETE SIDEWALK & DRIVE	CG-24(R)	TYPE 'H' CONCRETE CURB & GUTTER (REVERSED SLOPED-0.5%)
CS-5	5 INCH CONCRETE SIDEWALK	CG-30D	TYPE 'A' CONCRETE CURB & GUTTER
GRAV	GRADATION 3 CRUSHED STONE		TYPE 'X' CONCRETE CURB & GUTTER
	CURB RAMP, TYPE X	PED	SIDEWALK CURB
	TRAFFIC FLOW	BS	BUS BOARDING PAD (SEE DETAILS)
	PROPOSED INLET		5 INCH OR 7 INCH CONCRETE SIDEWALK (REPLACEMENT)
	PROPOSED STORM SEWER MANHOLE	X	TREE REMOVAL (CLEARING AND GRUBBING)
	CURB RAMP DETECTABLE WARNING FIELDS	R-WALL	RETAINING WALL
	SAWCUT ASPHALT PAVEMENT		7 INCH STAMPED & COLORED CONCRETE
XXXXX	SAWCUT CONCRETE FULL DEPTH		SURFACE WATER FLOW
	SLOPE INTERCEPTS		

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PLAN DETAILS	SHEET PD-3	E

POINT NO.	BUCKEYE ROAD		ELEV.	Y	X	REMARKS
	STATION	OFFSET				
B1	106+63.97	27.01'LT	---	484,331.56	837,728.92	MATCH EXIST.; FOW
B2	106+73.32	26.98'LT	---	484,324.72	837,735.29	MATCH EXIST.; FOW
B3	106+86.88	32.50'RT	866.65	484,274.17	837,701.13	BOW
B4	107+06.88	32.50'RT	867.70	484,259.57	837,714.79	BOW
B5	107+32.05	26.68'LT	---	484,281.62	837,775.20	MATCH EXIST.; FOW
B6	107+46.82	26.63'LT	---	484,270.81	837,785.25	MATCH EXIST.; FOW
B7	108+09.69	26.61'LT	---	484,224.89	837,828.20	MATCH EXIST.; FOW
B8	108+18.54	26.58'LT	---	484,218.41	837,834.22	MATCH EXIST.; FOW
B9	108+12.00	36.50'RT	---	484,180.08	837,783.69	MATCH EXIST.
B10	108+15.81	36.50'RT	---	484,177.30	837,786.30	MATCH EXIST.
B11	108+22.72	3.50'RT	874.44	484,194.80	837,815.12	BEGIN CROWN TRANSITION
B12	108+22.41	18.50'LT	874.64	484,210.06	837,830.97	EOP
B13	108+50.69	18.50'RT	875.82	484,164.13	837,823.28	EOP; BEGIN RADIUS
B14	108+65.11	24.34'RT	876.54	484,149.76	837,828.66	EOP; MIDPOINT OF RADIUS
B15	108+50.69	38.50'RT	---	484,150.46	837,808.68	R=20'
B16	108+71.09	38.47'RT	877.26	484,135.81	837,822.28	EOP; END RADIUS
B17	108+71.15	47.41'RT	877.45	484,129.73	837,815.74	EOP; END CONCRETE CURB & GUTTER
B18	108+46.76	32.50'RT	876.30	484,157.43	837,810.37	BOW; BEGIN RADIUS
B19	108+46.76	47.50'RT	---	484,147.18	837,799.42	R=15'
B20	108+52.84	33.79'RT	876.57	484,152.12	837,813.58	BOW; END RADIUS; BEGIN RADIUS
B21	108+61.10	15.50'RT	---	484,158.70	837,832.47	R=20'
B22	108+61.30	35.50'RT	876.87	484,145.03	837,817.87	BOW; END RADIUS
B23	108+86.97	20.30'RT	877.99	484,136.38	837,846.42	SIDEROAD CL LOCATION
B24	108+87.25	63.21'RT	878.57	484,107.18	837,814.97	SIDEROAD CL LOCATION
B25	109+04.02	133.92'RT	---	484,047.03	837,774.18	MATCH EXIST.; EOP
B26	108+71.34	83.54'RT	878.21	484,105.16	837,789.23	EOP
B27	108+87.62	133.85'RT	---	484,059.17	837,763.16	MATCH EXIST.
B28	108+71.12	133.78'RT	---	484,071.38	837,752.06	MATCH EXIST.; EOP
B29	109+20.84	133.29'RT	---	484,034.80	837,786.26	MATCH EXIST.
B30	109+20.84	111.50'RT	---	484,049.63	837,802.23	MATCH EXIST.
B31	109+03.29	83.34'RT	878.31	484,081.75	837,810.97	MATCH EXIST.; EOP
B32	109+03.25	63.11'RT	878.20	484,095.46	837,825.86	EOP; BEGIN CONCRETE CURB & GUTTER
B33	109+03.11	42.11'RT	878.62	484,109.75	837,841.25	EOP; BEGIN RADIUS
B34	109+08.86	27.95'RT	879.47	484,115.08	837,855.57	EOP; MIDPOINT OF RADIUS
B35	109+22.73	42.00'RT	---	484,095.09	837,854.86	R=20'
B36	109+22.73	22.00'RT	880.32	484,108.74	837,869.47	EOP; END RADIUS
B37	109+22.73	0.00'RT	880.58	484,123.75	837,885.56	END CROWN TRANSITION
B38	108+53.06	30.45'LT	---	484,195.85	837,860.63	MATCH EXIST.; BOW
B39	108+57.06	31.60'LT	877.26	484,193.72	837,864.20	BOW
B40	108+76.51	38.71'LT	---	484,183.97	837,882.85	MATCH EXIST.
B41	108+80.31	38.74'LT	---	484,181.47	837,885.15	MATCH EXIST.
B42	108+91.74	20.82'LT	878.98	484,160.66	837,879.95	EOP; BEGIN RADIUS
B43	109+01.12	24.60'LT	879.94	484,156.30	837,889.07	EOP; GRADE CHANGE
B44	109+03.21	57.11'RT	878.17	484,099.54	837,830.26	EOP; LOW POINT
B45	109+02.01	25.46'LT	879.96	484,156.22	837,890.31	EOP; MIDPOINT OF RADIUS
B46	108+91.15	35.81'LT	---	484,171.22	837,890.60	R=15'
B47	109+06.15	35.95'LT	880.13	484,160.26	837,900.84	EOP; END RADIUS
B48	109+06.14	36.86'LT	880.15	484,160.88	837,901.50	EOP; GRADE CHANGE
B49	109+06.08	43.45'LT	880.49	484,165.38	837,906.32	EOP; END CONCRETE CURB & GUTTER
B50	108+99.84	48.69'LT	---	484,173.52	837,905.96	MATCH EXIST.; EOP
B51	109+05.97	54.96'LT	---	484,173.23	837,914.73	MATCH EXIST.
B52	109+13.29	21.47'LT	880.23	484,145.21	837,894.99	SIDEROAD CL LOCATION
B53	109+13.14	36.93'LT	880.54	484,155.76	837,906.28	SIDEROAD CL LOCATION; GRADE CHANGE
B54	109+12.97	55.02'LT	---	484,168.12	837,919.51	MATCH EXIST.; SIDEROAD CL LOCATION
B55	109+20.59	55.09'LT	---	484,162.55	837,924.71	MATCH EXIST.; EOP
B56	109+20.08	43.58'LT	881.32	484,155.15	837,915.88	EOP; BEGIN CONCRETE CURB & GUTTER
B57	109+20.14	36.99'LT	880.93	484,150.65	837,911.06	EOP; BEGIN RADIUS
B58	109+35.48	37.00'LT	---	484,139.69	837,921.30	R=15'
B59	109+24.87	26.39'LT	880.87	484,140.20	837,906.31	EOP; MIDPOINT OF RADIUS

POINT NO.	BUCKEYE ROAD		ELEV.	Y	X	REMARKS
	STATION	OFFSET				
B60	109+35.48	22.00'LT	881.37	484,129.45	837,910.34	EOP; END RADIUS
B61	109+47.26	32.14'LT	882.03	484,127.76	837,925.78	BOW
B62	109+52.26	32.42'LT	---	484,124.30	837,929.40	MATCH EXIST.; BOW
B63	109+62.43	27.12'LT	---	484,113.25	837,932.48	MATCH EXIST.; FOW
B64	109+76.88	27.07'LT	---	484,102.65	837,942.30	MATCH EXIST.; FOW
B65	110+41.35	26.96'LT	---	484,055.44	837,986.21	MATCH EXIST.; FOW
B66	110+54.77	26.94'LT	---	484,045.63	837,995.36	MATCH EXIST.; FOW
B67	111+61.82	22.00'LT	889.10	483,962.88	838,065.85	EOP; BEGIN RADIUS
B68	111+61.82	2.00'LT	---	483,949.24	838,051.23	R=20'
B69	111+73.13	19.00'LT	889.32	483,953.14	838,070.85	EOP; END RADIUS; BEGIN RADIUS
B70	111+84.43	36.00'LT	---	483,957.04	838,090.46	R=20'
B71	111+84.43	16.00'LT	889.53	483,943.39	838,075.85	EOP; END RADIUS
B72	111+61.82	22.00'RT	889.35	483,932.86	838,033.69	EOP; BEGIN RADIUS
B73	111+61.82	2.00'RT	---	483,946.51	838,048.31	R=20'
B74	111+73.13	19.00'RT	889.48	483,927.20	838,043.07	EOP; END RADIUS; BEGIN RADIUS
B75	111+84.43	36.00'RT	---	483,907.90	838,037.84	R=20'
B76	111+84.43	16.00'RT	889.62	483,921.55	838,052.46	EOP; END RADIUS
B77	109+03.62	106.70'RT	878.58	484,065.72	837,793.98	EOP
B78	108+76.42	33.71'LT	878.68	484,180.66	837,879.09	FRONT OF STEPS
B79	108+76.42	34.71'LT	879.33	484,181.02	837,880.05	BACK OF STEPS
B80	108+80.42	34.70'LT	879.49	484,178.72	837,882.27	BACK OF STEPS
B81	108+80.42	33.70'LT	878.84	484,178.38	837,882.53	FRONT OF STEPS

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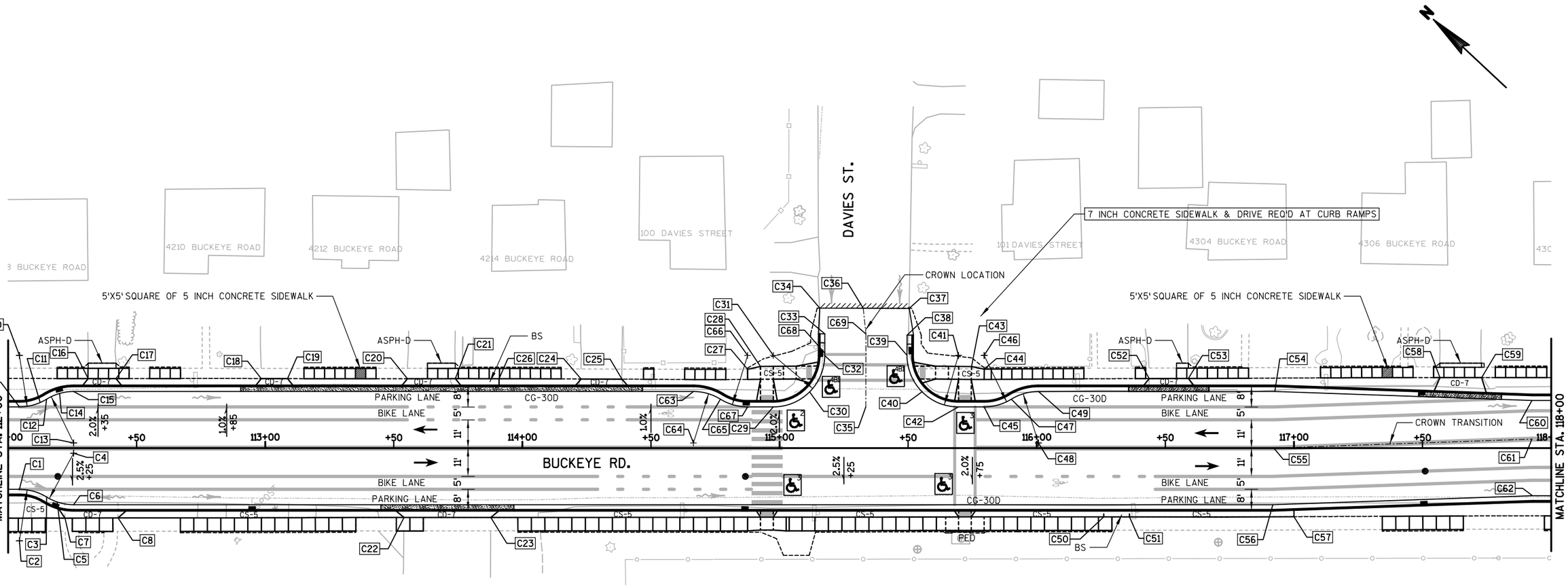

LEGEND

ASPH-D	ASPHALTIC DRIVE & TERRACE	CG-24	TYPE 'H' CONCRETE CURB & GUTTER
CD-7	7 INCH CONCRETE SIDEWALK & DRIVE	CG-24(R)	TYPE 'H' CONCRETE CURB & GUTTER (REVERSED SLOPED-0.5%)
CS-5	5 INCH CONCRETE SIDEWALK	CG-30D	TYPE 'A' CONCRETE CURB & GUTTER
GRAV	GRADATION 3 CRUSHED STONE		TYPE 'X' CONCRETE CURB & GUTTER
	CURB RAMP, TYPE X	PED	SIDEWALK CURB
	TRAFFIC FLOW	BS	BUS BOARDING PAD (SEE DETAILS)
	PROPOSED INLET		5 INCH OR 7 INCH CONCRETE SIDEWALK (REPLACEMENT)
	PROPOSED STORM SEWER MANHOLE	X	TREE REMOVAL (CLEARING AND GRUBBING)
	CURB RAMP DETECTABLE WARNING FIELDS	R-WALL	RETAINING WALL
//////	SAWCUT ASPHALT PAVEMENT		7 INCH STAMPED & COLORED CONCRETE
XXXXX	SAWCUT CONCRETE FULL DEPTH		SURFACE WATER FLOW
------	SLOPE INTERCEPTS		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PLAN DETAILS	SHEET PD-5	E

POINT NO.	BUCKEYE ROAD		ELEV.	Y	X	REMARKS
	STATION	OFFSET				
C1	112+04.43	16.00'RT	889.75	483,906.93	838,066.11	EOP; BEGIN RADIUS
C2	112+04.43	36.00'RT	---	483,893.28	838,051.49	R=20'
C3	112+14.96	19.00'RT	889.73	483,897.18	838,071.10	EOP; END RADIUS; BEGIN RADIUS
C4	112+25.50	2.00'RT	---	483,901.08	838,090.72	R=20'
C5	112+19.10	20.95'RT	889.67	483,892.83	838,072.50	EOP; GUTTER LOW POINT
C6	112+25.50	22.00'RT	889.67	483,887.43	838,076.10	EOP; END RADIUS
C7	112+22.18	27.22'RT	---	483,886.30	838,070.02	MATCH EXIST.; FOW
C8	112+42.79	27.13'RT	---	483,871.30	838,084.15	MATCH EXIST.; FOW
C9	112+04.43	16.00'LT	889.74	483,928.77	838,089.50	EOP; BEGIN RADIUS
C10	112+04.43	36.00'LT	---	483,942.42	838,104.11	R=20'
C11	112+12.51	17.71'LT	889.78	483,924.03	838,096.26	EOP; HIGH POINT
C12	112+14.96	19.00'LT	889.77	483,923.12	838,098.88	EOP; END RADIUS; BEGIN RADIUS
C13	112+25.50	2.00'LT	---	483,903.81	838,093.64	R=20'
C14	112+20.02	21.24'LT	889.76	483,920.94	838,103.96	EOP; LOW POINT
C15	112+25.50	22.00'LT	889.78	483,917.46	838,108.26	EOP; END RADIUS
C16	112+31.18	27.01'LT	---	483,916.73	838,115.79	MATCH EXIST.; FOW
C17	112+41.99	27.02'LT	---	483,908.83	838,123.19	MATCH EXIST.; FOW
C18	112+98.46	27.02'LT	---	483,867.56	838,161.73	MATCH EXIST.; FOW
C19	113+08.70	27.00'LT	---	483,860.06	838,168.69	MATCH EXIST.; FOW
C20	113+55.32	26.96'LT	---	483,825.96	838,200.48	MATCH EXIST.; FOW
C21	113+73.91	26.98'LT	---	483,812.39	838,213.19	MATCH EXIST.; FOW; BEGIN BUS PAD
C22	113+53.97	26.97'RT	---	483,790.14	838,160.14	MATCH EXIST.; FOW
C23	113+87.69	26.95'RT	---	483,765.51	838,183.17	MATCH EXIST.; FOW
C24	114+22.84	26.86'LT	---	483,776.54	838,246.49	MATCH EXIST.; FOW
C25	114+38.71	26.79'LT	---	483,764.89	838,257.27	MATCH EXIST.; FOW
C26	113+90.91	26.96'LT	---	483,799.94	838,224.77	MATCH EXIST.; FOW; END BUS PAD
C27	114+87.55	30.63'LT	---	483,731.81	838,293.41	MATCH EXIST.; BOW
C28	114+92.55	31.72'LT	889.03	483,728.90	838,297.62	BOW
C29	114+97.55	16.00'LT	888.55	483,714.51	838,289.54	EOP; BEGIN RADIUS
C30	115+11.68	21.84'LT	888.43	483,708.18	838,303.45	EOP; MIDPOINT OF RADIUS
C31	114+97.55	36.00'LT	---	483,728.16	838,304.16	R=20'
C32	115+17.55	35.96'LT	888.32	483,713.52	838,317.78	EOP; END RADIUS
C33	115+17.57	44.39'LT	888.35	483,719.26	838,323.95	EOP; END CONCRETE CURB & GUTTER
C34	115+15.64	54.39'LT	---	483,727.50	838,329.94	MATCH EXIST.; EOP
C35	115+33.51	16.00'LT	888.32	483,688.23	838,314.08	SIDEROAD CL LOCATION
C36	115+32.53	54.36'LT	---	483,715.13	838,341.44	MATCH EXIST.; SIDEROAD CL LOCATION
C37	115+50.41	54.32'LT	---	483,702.03	838,353.62	MATCH EXIST.; EOP
C38	115+49.57	43.89'LT	888.30	483,695.53	838,345.42	EOP; BEGIN CONCRETE CURB & GUTTER
C39	115+49.55	36.04'LT	888.25	483,690.18	838,339.68	EOP; BEGIN RADIUS
C40	115+55.40	21.87'LT	888.17	483,676.24	838,333.31	EOP; MIDPOINT OF RADIUS
C41	115+69.55	36.00'LT	---	483,675.54	838,353.29	R=20'
C42	115+69.55	16.00'LT	888.09	483,661.89	838,338.68	EOP; END RADIUS
C43	115+74.64	31.65'LT	888.65	483,668.85	838,353.58	BOW
C44	115+79.62	30.68'LT	---	483,664.55	838,356.28	MATCH EXIST.; BOW
C45	115+79.57	16.00'LT	888.02	483,654.57	838,345.51	EOP; BEGIN RADIUS
C46	115+79.57	36.00'LT	---	483,668.22	838,360.13	R=20'
C47	115+90.10	19.00'LT	887.89	483,648.92	838,354.89	EOP; END RADIUS; BEGIN RADIUS
C48	116+00.64	2.00'LT	---	483,629.61	838,349.66	R=20'
C49	116+00.64	22.00'LT	887.77	483,643.26	838,364.27	EOP; END RADIUS
C50	116+26.07	26.74'RT	---	483,591.41	838,346.00	MATCH EXIST.; FOW; BEGIN BUS PAD

POINT NO.	BUCKEYE ROAD		ELEV.	Y	X	REMARKS
	STATION	OFFSET				
C51	116+36.07	26.74'RT	---	483,584.10	838,352.82	MATCH EXIST.; FOW; END BUS PAD
C52	116+43.74	27.02'LT	---	483,615.18	838,397.36	MATCH EXIST.; FOW
C53	116+58.97	27.07'LT	---	483,604.08	838,407.79	MATCH EXIST.; FOW
C54	116+92.56	22.00'LT	886.52	483,576.08	838,427.00	EOP
C55	116+92.17	0.00'RT	886.99	483,561.34	838,410.66	BEGIN CROWN TRANSITION
C56	116+91.78	22.00'RT	886.56	483,546.61	838,394.32	EOP
C57	117+00.00	26.66'RT	---	483,537.43	838,396.52	MATCH EXIST.; FOW; END CONCRETE SIDEWALK
C58	117+56.75	27.39'LT	---	483,532.83	838,474.75	MATCH EXIST.; FOW
C59	117+72.97	27.40'LT	---	483,520.99	838,485.83	MATCH EXIST.; FOW
C60	117+92.56	18.50'LT	885.05	483,500.59	838,492.69	EOP
C61	117+92.56	3.50'LT	885.35	483,490.36	838,481.73	END CROWN TRANSITION
C62	117+92.75	18.50'RT	884.91	483,475.20	838,465.78	EOP
C63	114+66.48	22.00'LT	888.77	483,741.32	838,272.72	EOP; BEGIN RADIUS
C64	114+66.48	2.00'LT	---	483,727.67	838,258.10	R=20'
C65	114+77.02	19.00'LT	888.70	483,731.57	838,277.72	EOP; END RADIUS; BEGIN RADIUS
C66	114+87.55	36.00'LT	---	483,735.47	838,297.33	R=20'
C67	114+87.55	16.00'LT	888.65	483,721.83	838,282.71	EOP; END RADIUS
C68	115+17.56	36.97'LT	888.31	483,714.20	838,318.52	EOP; LOW POINT
C69	115+33.57	44.35'LT	888.58	483,707.54	838,334.84	SIDEROAD CL LOCATION

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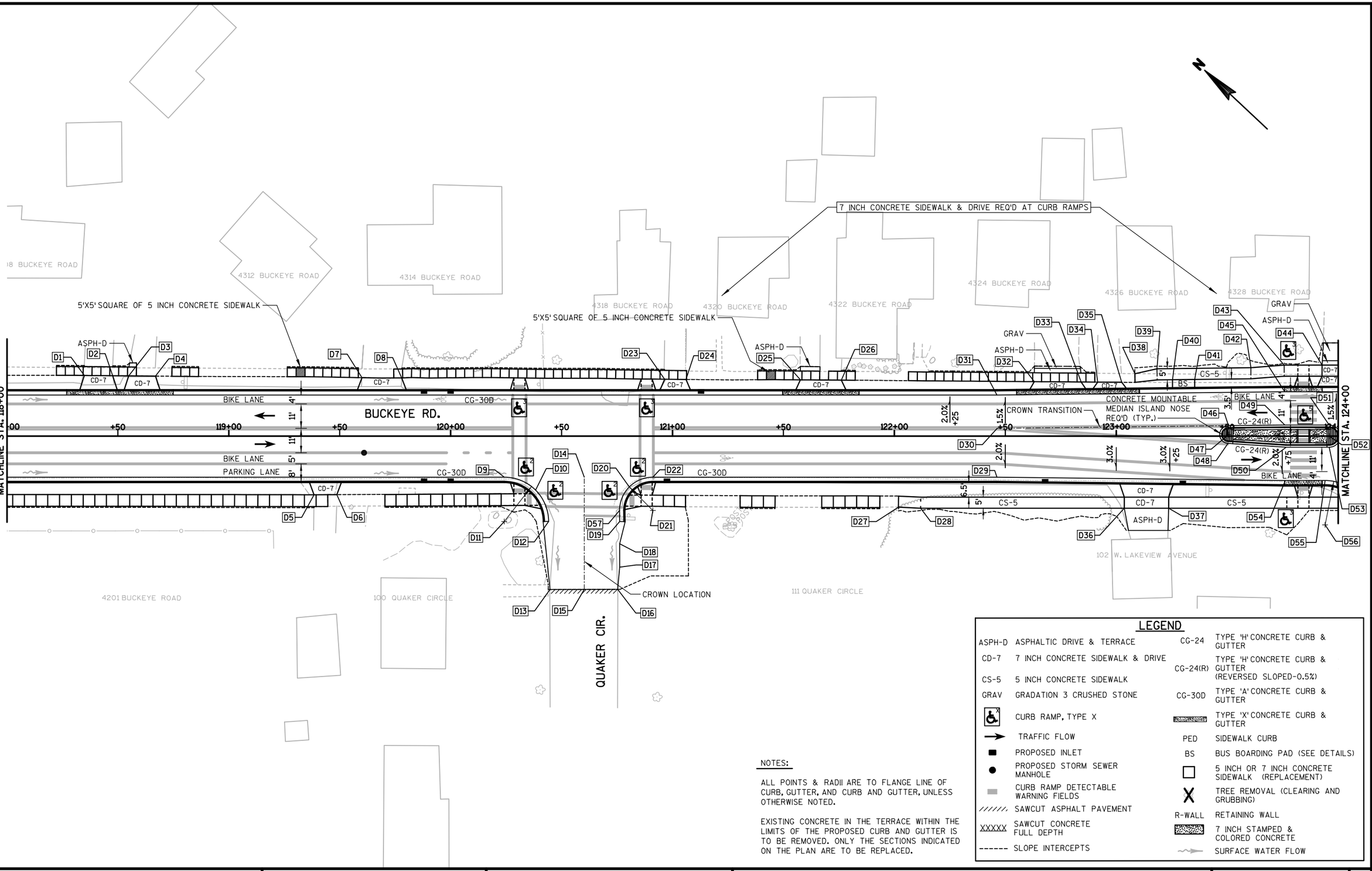


LEGEND

ASPH-D	ASPHALTIC DRIVE & TERRACE	CG-24	TYPE 'H' CONCRETE CURB & GUTTER
CD-7	7 INCH CONCRETE SIDEWALK & DRIVE	CG-24(R)	TYPE 'H' CONCRETE CURB & GUTTER (REVERSED SLOPED-0.5%)
CS-5	5 INCH CONCRETE SIDEWALK	CG-30D	TYPE 'A' CONCRETE CURB & GUTTER
GRAV	GRADATION 3 CRUSHED STONE		TYPE 'X' CONCRETE CURB & GUTTER
	CURB RAMP, TYPE X	PED	SIDEWALK CURB
	TRAFFIC FLOW	BS	BUS BOARDING PAD (SEE DETAILS)
	PROPOSED INLET		5 INCH OR 7 INCH CONCRETE SIDEWALK (REPLACEMENT)
	PROPOSED STORM SEWER MANHOLE	X	TREE REMOVAL (CLEARING AND GRUBBING)
	CURB RAMP DETECTABLE WARNING FIELDS	R-WALL	RETAINING WALL
//////	SAWCUT ASPHALT PAVEMENT		7 INCH STAMPED & COLORED CONCRETE
XXXXX	SAWCUT CONCRETE FULL DEPTH		SURFACE WATER FLOW
------	SLOPE INTERCEPTS		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PLAN DETAILS	SHEET PD-7	E

POINT NO.	BUCKEYE ROAD		ELEV.	Y	X	REMARKS
	STATION	OFFSET				
D1	118+34.86	27.33'LT	---	483,475.70	838,528.02	MATCH EXIST.; FOW
D2	118+47.64	27.22'LT	---	483,466.28	838,536.66	MATCH EXIST.; FOW
D3	118+54.89	27.15'LT	---	483,460.93	838,541.56	MATCH EXIST.; FOW
D4	118+66.96	27.04'LT	---	483,452.04	838,549.71	MATCH EXIST.; FOW
D5	119+38.42	26.43'RT	---	483,363.31	838,559.39	MATCH EXIST.; FOW
D6	119+48.67	26.38'RT	---	483,355.86	838,566.43	MATCH EXIST.; FOW
D7	119+60.06	26.33'LT	---	483,383.51	838,612.73	MATCH EXIST.; FOW
D8	119+77.95	26.25'LT	---	483,370.37	838,624.88	MATCH EXIST.; FOW
D9	120+24.15	18.50'RT	883.56	483,306.06	838,623.70	EOP; BEGIN RADIUS
D10	120+38.28	24.35'RT	883.71	483,291.74	838,629.07	EOP; MIDPOINT OF RADIUS
D11	120+24.15	38.50'RT	---	483,292.41	838,609.08	R=20'
D12	120+44.15	38.47'RT	883.88	483,277.82	838,622.75	EOP; END RADIUS; END CONCRETE CURB & GUTTER
D13	120+44.76	69.11'RT	---	483,256.46	838,600.77	MATCH EXIST.; EOP
D14	120+60.20	18.50'RT	883.90	483,279.71	838,648.30	SIDEROAD CL LOCATION
D15	120+60.20	69.08'RT	---	483,245.19	838,611.33	MATCH EXIST.; SIDEROAD CL LOCATION
D16	120+75.29	69.06'RT	---	483,234.18	838,621.65	MATCH EXIST.; EOP
D17	120+76.18	59.06'RT	883.37	483,240.35	838,629.56	EOP
D18	120+76.17	48.53'RT	883.58	483,247.55	838,637.24	EOP
D19	120+76.15	38.53'RT	883.76	483,254.38	838,644.54	EOP; BEGIN CONCRETE CURB & GUTTER
D20	120+80.53	22.90'RT	884.08	483,261.85	838,658.95	EOP; MIDPOINT OF RADIUS
D21	120+91.14	33.50'RT	---	483,246.86	838,658.45	R=15'
D22	120+91.14	18.50'RT	884.39	483,257.10	838,669.42	EOP; END RADIUS
D23	120+96.45	25.64'LT	---	483,283.34	838,705.30	MATCH EXIST.; FOW
D24	121+06.05	25.54'LT	---	483,276.26	838,711.78	MATCH EXIST.; FOW
D25	121+57.63	25.37'LT	---	483,238.44	838,746.86	MATCH EXIST.; FOW
D26	121+76.11	25.24'LT	---	483,224.85	838,759.37	MATCH EXIST.; FOW
D27	122+01.85	32.01'RT	---	483,166.95	838,735.09	MATCH EXIST.; BOW
D28	122+11.85	32.50'RT	887.42	483,159.31	838,741.56	BOW
D29	122+46.21	18.50'RT	887.77	483,143.75	838,775.24	EOP
D30	122+46.36	3.50'LT	888.51	483,158.66	838,791.42	BEGIN CROWN TRANSITION
D31	122+46.27	18.50'LT	887.98	483,168.96	838,802.33	EOP
D32	122+63.06	24.55'LT	---	483,160.82	838,818.21	MATCH EXIST.; FOW
D33	122+84.17	24.40'LT	---	483,145.28	838,832.50	MATCH EXIST.; FOW
D34	122+91.62	24.34'LT	---	483,139.80	838,837.55	MATCH EXIST.; FOW
D35	123+02.46	24.26'LT	---	483,131.82	838,844.88	MATCH EXIST.; FOW
D36	123+03.64	32.50'RT	889.90	483,092.22	838,804.20	BOW
D37	123+23.64	32.50'RT	891.20	483,077.60	838,817.85	BOW
D38	123+08.41	28.11'LT	---	483,130.10	838,851.76	MATCH EXIST.; BOW
D39	123+18.39	30.34'LT	892.27	483,124.32	838,860.20	BOW
D40	123+25.34	25.42'LT	892.74	483,115.88	838,861.34	FOW; BEGIN BUS PAD
D41	123+35.34	25.53'LT	893.45	483,108.65	838,868.25	FOW; END BUS PAD
D42	123+60.73	30.83'LT	895.59	483,093.71	838,889.45	BOW
D43	123+75.73	32.00'LT	896.81	483,083.55	838,900.54	BOW
D44	123+92.75	32.00'LT	897.87	483,071.11	838,912.16	BOW
D45	123+75.92	20.00'LT	896.20	483,075.22	838,891.90	EOP
D46	123+50.59	4.71'LT	894.40	483,083.29	838,863.44	EOP; BEGIN RADIUS
D47	123+50.64	0.71'LT	---	483,080.53	838,860.55	R=4'
D48	123+50.38	3.29'RT	894.18	483,078.00	838,857.45	EOP; END RADIUS
D49	123+76.00	5.00'LT	896.43	483,064.92	838,880.99	EOP; END CROWN TRANSITION
D50	123+76.59	5.00'RT	896.28	483,057.66	838,874.09	EOP
D51	123+96.00	5.00'LT	898.03	483,050.30	838,894.64	EOP; BEGIN RADIUS
D52	123+96.00	0.00'RT	---	483,046.89	838,890.99	R=5'
D53	123+96.00	5.00'RT	897.83	483,043.48	838,887.33	EOP; END RADIUS
D54	123+76.21	20.00'RT	895.98	483,047.71	838,862.86	EOP
D55	123+94.14	20.00'RT	897.38	483,034.60	838,875.10	EOP; BEGIN RADIUS
D56	123+94.14	40.00'RT	---	483,020.95	838,860.48	R=20'
D57	120+76.14	33.52'RT	883.85	483,257.81	838,648.20	EOP; BEGIN RADIUS

REVISED SHEETS - 7/22/19

Revised 4/26/19 EDH
-Inlet BW-12.5 moved

*TRANSITION BACK OF SIDEWALK AND SIDEWALK CURB TO MATCH FRONT FACE OF RETAINING WALL

E. LAKEVIEW AVE.

MORNINGSIDE AVE.

7 INCH CONCRETE SIDEWALK & DRIVE REQ'D AT CURB RAMPS

CROWN LOCATION

CROWN TRANSITION

CONCRETE MOUNTABLE MEDIAN ISLAND NOSE REQ'D (TYP.)

BUCKEYE RD.

MATCHLINE STA. 124+00

MATCHLINE STA. 130+00

W. LAKEVIEW AVE.

101 E. LAKEVIEW AVENUE

4404 BUCKEYE ROAD

100 MORNINGSIDE AVENUE

101 MORNINGSIDE AVENUE

4506 BUCKEYE ROAD

4510 BUCKEYE ROAD

101 W. LAKEVIEW AVENUE

4405 BUCKEYE ROAD

4407 BUCKEYE ROAD

4505 BUCKEYE ROAD

CONCRETE STEPS (4 RISERS)

R-13-325

R-13-326

R-13-327

R-13-328

R-WALL

BIKE LANE

PARKING LANE

PED

BS

CG-30D

CG-24

CG-24(R)

CS-5

CD-7

ASPH-D

GRAV

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

LEGEND

ASPH-D	ASPHALTIC DRIVE & TERRACE	CG-24	TYPE 'H' CONCRETE CURB & GUTTER
CD-7	7 INCH CONCRETE SIDEWALK & DRIVE	CG-24(R)	TYPE 'H' CONCRETE CURB & GUTTER (REVERSED SLOPED-0.5%)
CS-5	5 INCH CONCRETE SIDEWALK	CG-30D	TYPE 'A' CONCRETE CURB & GUTTER
GRAV	GRADATION 3 CRUSHED STONE		TYPE 'X' CONCRETE CURB & GUTTER
	CURB RAMP, TYPE X	PED	SIDEWALK CURB
	TRAFFIC FLOW	BS	BUS BOARDING PAD (SEE DETAILS)
	PROPOSED INLET		5 INCH OR 7 INCH CONCRETE SIDEWALK (REPLACEMENT)
	PROPOSED STORM SEWER MANHOLE		TREE REMOVAL (CLEARING AND GRUBBING)
	CURB RAMP DETECTABLE WARNING FIELDS	R-WALL	RETAINING WALL
	SAWCUT ASPHALT PAVEMENT		7 INCH STAMPED & COLORED CONCRETE
XXXXX	SAWCUT CONCRETE FULL DEPTH		SURFACE WATER FLOW
	SLOPE INTERCEPTS		

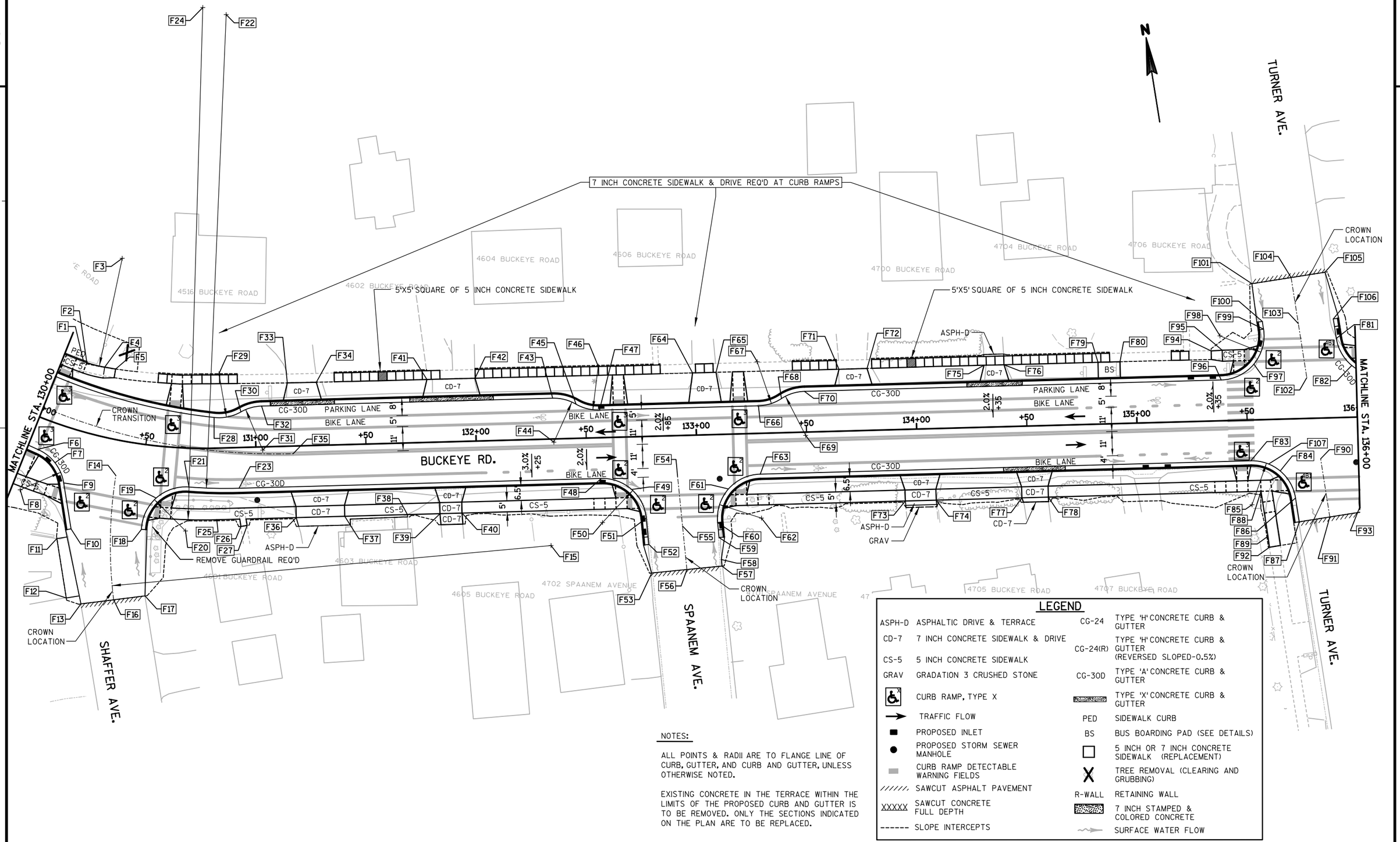
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PLAN DETAILS	SHEET PD-9	E

REVISED SHEETS - 7/22/19

POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.	Y	X	REMARKS
E1	124+01.75	32.00'LT	898.74	483,064.53	838,918.30	BOW
E2	124+02.44	20.00'LT	898.33	483,055.83	838,910.00	EOP; BEGIN RADIUS
E3	124+13.02	24.36'LT	899.13	483,051.08	838,920.41	EOP; MIDPOINT OF RADIUS
E4	124+02.44	35.00'LT	---	483,066.07	838,920.96	R=15'
E5	124+17.44	34.92'LT	899.93	483,055.05	838,931.14	EOP; END RADIUS
E6	124+17.49	43.99'LT	900.42	483,061.20	838,937.80	EOP; END CONCRETE CURB & GUTTER
E7	124+17.12	53.99'LT	900.91	483,068.30	838,944.86	EOP
E8	124+17.20	61.81'LT	---	483,073.59	838,950.63	MATCH EXIST.; EOP
E9	124+31.36	20.00'LT	900.80	483,034.70	838,929.74	SIDEROAD CL LOCATION
E10	124+31.44	34.84'LT	901.05	483,044.77	838,940.64	SIDEROAD CL LOCATION; GRADE CHANGE
E11	124+31.47	40.19'LT	901.19	483,048.39	838,944.57	SIDEROAD CL LOCATION; GRADE CHANGE
E12	124+31.59	61.74'LT	---	483,063.01	838,960.40	MATCH EXIST.; SIDEROAD CL LOCATION
E13	124+46.71	61.65'LT	---	483,051.90	838,970.66	MATCH EXIST.; EOP
E14	124+45.49	43.61'LT	902.31	483,040.48	838,956.64	EOP; BEGIN CONCRETE CURB & GUTTER
E15	124+45.47	40.11'LT	902.26	483,038.11	838,954.07	EOP; BEGIN RADIUS
E16	124+51.29	25.90'LT	902.35	483,024.15	838,947.65	EOP; MIDPOINT OF RADIUS
E17	124+65.47	40.00'LT	---	483,023.41	838,967.63	R=20'
E18	124+65.47	20.00'LT	903.70	483,009.76	838,953.01	EOP; END RADIUS
E19	124+58.81	32.92'LT	903.13	483,023.44	838,957.91	BOW
E20	124+65.49	33.94'LT	903.69	483,019.26	838,963.22	BOW
E21	124+70.49	33.95'LT	903.79	483,015.61	838,966.64	BOW
E22	124+82.27	20.00'LT	905.14	482,997.48	838,964.48	EOP
E23	124+81.32	31.76'LT	904.97	483,006.21	838,972.43	BOW
E24	124+62.50	5.00'LT	903.35	483,001.70	838,940.03	EOP; BEGIN RADIUS
E25	124+62.50	0.00'RT	---	482,998.29	838,936.37	R=5'
E26	124+62.50	5.00'RT	903.15	482,994.87	838,932.72	EOP; END RADIUS
E27	124+82.19	5.00'LT	904.92	482,987.31	838,953.46	EOP; BEGIN CROWN TRANSITION
E28	124+81.89	5.00'RT	904.70	482,980.70	838,945.95	EOP
E29	125+07.87	4.70'LT	906.98	482,968.33	838,970.77	EOP; BEGIN RADIUS
E30	125+07.83	0.70'LT	---	482,965.63	838,967.82	R=4'
E31	125+08.09	3.29'RT	906.84	482,962.72	838,965.08	EOP; END RADIUS
E32	124+08.29	25.86'RT	898.39	483,020.26	838,880.47	EOP; MIDPOINT OF RADIUS
E33	124+14.14	40.01'RT	898.58	483,006.33	838,874.12	EOP; END RADIUS; END CONCRETE CURB & GUTTER
E34	124+12.33	60.01'RT	---	482,994.00	838,858.27	MATCH EXIST.; EOP
E35	124+30.15	20.00'RT	900.26	483,008.28	838,899.67	SIDEROAD CL LOCATION
E36	124+29.22	39.98'RT	899.79	482,995.33	838,884.43	SIDEROAD CL LOCATION; GRADE CHANGE
E37	124+28.28	60.01'RT	---	482,982.34	838,869.15	MATCH EXIST.; SIDEROAD CL LOCATION
E38	124+46.00	60.02'RT	---	482,969.38	838,881.24	MATCH EXIST.; EOP
E39	124+45.68	50.02'RT	900.60	482,976.44	838,888.33	EOP
E40	124+46.14	39.99'RT	901.14	482,982.95	838,895.98	EOP; BEGIN RADIUS; BEGIN CONCRETE CURB & GUTTER
E41	124+52.00	25.85'RT	902.15	482,988.31	838,910.31	EOP; MIDPOINT OF RADIUS
E42	124+66.14	40.00'RT	---	482,968.33	838,909.62	R=20'
E43	124+66.14	20.00'RT	903.14	482,981.97	838,924.24	EOP; END RADIUS
E44	124+82.27	20.00'RT	904.40	482,970.18	838,935.25	EOP
E45	125+17.06	27.50'RT	907.70	482,939.64	838,953.50	FOW; BEGIN BUS PAD
E46	125+27.06	27.50'RT	908.51	482,932.33	838,960.33	FOW; END BUS PAD
E47	125+43.55	26.04'LT	911.24	482,956.81	839,010.72	FOW
E48	125+42.66	31.05'LT	---	482,960.89	839,013.77	MATCH EXIST.; BOW
E49	125+53.06	31.04'LT	---	482,953.27	839,020.86	MATCH EXIST.; BOW
E50	125+59.89	26.03'LT	912.47	482,944.87	839,021.86	FOW
E51	125+79.88	25.50'LT	913.65	482,929.89	839,035.12	FOW
E52	126+12.36	18.50'LT	915.64	482,901.37	839,052.16	EOP
E53	126+12.27	3.50'LT	915.33	482,891.20	839,041.14	END CROWN TRANSITION
E54	126+12.27	18.50'RT	914.89	482,876.19	839,025.06	EOP
E55	126+88.07	31.00'RT	921.14	482,812.25	839,067.65	BOW
E56	127+08.07	31.00'RT	922.62	482,797.63	839,081.30	BOW; BEGIN CONCRETE CURB PEDESTRIAN
E57	126+99.27	31.50'LT	923.01	482,846.72	839,120.98	BOW; BEGIN CONCRETE CURB PEDESTRIAN
E58	126+95.67	18.50'LT	922.24	482,840.48	839,109.02	EOP; BEGIN RADIUS
E59	127+06.24	22.86'LT	923.36	482,835.73	839,119.41	EOP; MIDPOINT OF RADIUS
E60	126+95.67	33.50'LT	---	482,850.72	839,119.98	R=15'

POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.	Y	X	REMARKS
E61	127+10.67	33.39'LT	923.91	482,839.68	839,130.14	EOP; END RADIUS
E62	127+10.72	41.39'LT	924.42	482,845.10	839,136.03	EOP; END CONCRETE CURB & GUTTER
E63	127+10.80	51.39'LT	925.04	482,851.87	839,143.38	EOP
E64	127+11.70	67.84'LT	---	482,862.43	839,156.03	MATCH EXIST.; EOP
E65	127+24.56	18.50'LT	924.30	482,819.36	839,128.74	SIDEROAD CL LOCATION
E66	127+24.67	33.71'LT	924.88	482,829.66	839,139.93	SIDEROAD CL LOCATION; GRADE CHANGE
E67	127+24.91	67.74'LT	---	482,852.71	839,164.97	MATCH EXIST.; SIDEROAD CL LOCATION
E68	127+40.38	67.63'LT	---	482,841.33	839,175.45	MATCH EXIST.; EOP
E69	127+38.73	41.41'LT	926.16	482,824.64	839,155.15	EOP; BEGIN CONCRETE CURB & GUTTER
E70	127+38.67	33.61'LT	925.82	482,819.36	839,149.41	EOP; BEGIN RADIUS
E71	127+43.02	22.93'LT	925.66	482,808.89	839,144.58	EOP; MIDPOINT OF RADIUS
E72	127+53.67	33.50'LT	---	482,808.32	839,159.57	R=15'
E73	127+53.67	18.50'LT	926.20	482,798.09	839,148.60	EOP; END RADIUS
E74	127+47.32	32.00'LT	926.24	482,811.94	839,154.14	BOW; END CONCRETE CURB PEDESTRIAN
E75	127+66.05	48.56'RT	926.03	482,743.27	839,108.04	BOW; BEGIN RADIUS
E76	128+04.88	17.06'RT	927.54	482,736.39	839,157.56	BOW
E77	127+80.16	37.50'RT	---	482,740.51	839,125.75	MATCH EXIST.
E78	127+65.44	47.67'RT	---	482,744.32	839,108.27	MATCH EXIST.; END RADIUS
E79	128+00.33	19.25'RT	---	482,738.21	839,152.85	R=50'
E80	127+90.73	32.50'RT	928.04	482,736.19	839,136.61	BOW
E81	128+07.98	31.75'RT	928.63	482,724.10	839,148.93	BOW
E82	128+26.61	31.50'RT	929.36	482,710.08	839,163.20	BOW
E83	128+28.61	31.50'RT	929.51	482,708.68	839,164.63	BOW
E84	128+28.53	34.50'RT	---	482,706.60	839,162.47	MATCH EXIST.
E85	128+08.11	34.75'RT	---	482,721.96	839,146.83	MATCH EXIST.
E86	128+05.91	37.46'RT	---	482,721.71	839,143.36	MATCH EXIST.
E87	---	------	---	---	---	POINT NOT USED
E88	---	------	---	---	---	POINT NOT USED
E89	128+59.78	24.00'LT	932.31	482,726.44	839,225.76	FOW
E90	128+82.64	29.00'LT	933.08	482,713.99	839,245.57	BOW
E91	128+95.64	29.00'LT	933.39	482,704.88	839,254.85	BOW
E92	129+38.31	3.50'LT	933.49	482,656.79	839,267.42	BEGIN CROWN TRANSITION
E93	129+38.31	24.00'LT	933.93	482,671.41	839,281.79	FOW; BEGIN RADIUS
E94	129+38.31	278.50'LT	---	482,852.99	839,460.11	R=254.5'
E95	129+50.28	24.28'LT	934.00	482,663.22	839,290.53	FOW; END RADIUS
E96	129+50.05	29.28'LT	934.08	482,666.95	839,293.86	BOW
E97	129+66.97	30.49'LT	934.13	482,657.79	839,305.53	BOW
E98	129+95.21	30.80'LT	933.89	482,643.87	839,324.95	BOW; BEGIN CONCRETE CURB PEDESTRIAN
E99	129+38.31	278.50'LT	---	482,852.99	839,460.11	R=275'
E100	129+72.42	19.56'RT	933.25	482,615.87	839,277.69	EOP; BEGIN RADIUS
E101	129+74.38	0.34'LT	---	482,630.14	839,291.70	R=20'
E102	129+85.06	16.31'RT	933.15	482,610.17	839,290.64	EOP; END RADIUS; BEGIN RADIUS
E103	129+94.18	33.48'RT	---	482,590.20	839,289.57	R=20'
E104	129+95.06	13.50'RT	933.07	482,606.52	839,301.13	EOP; END RADIUS
E105	129+64.51	41.64'RT	---	482,604.82	839,256.52	MATCH EXIST.
E106	129+66.90	41.82'RT	---	482,602.79	839,258.59	MATCH EXIST.
E107	129+69.00	32.26'RT	934.61	482,608.49	839,266.65	BOW; BEGIN RADIUS
E108	129+74.02	22.50'LT	---	482,647.73	839,305.19	R=55'
E109	129+74.02	32.50'RT	934.54	482,604.63	839,271.03	BOW; END RADIUS
E110	129+64.38	34.76'RT	935.17	482,610.09	839,260.92	FRONT OF STEPS
E111	129+64.18	38.76'RT	936.77	482,607.24	839,258.12	BACK OF STEPS
E112	129+67.53	39.02'RT	936.78	482,604.44	839,260.97	BACK OF STEPS
E113	129+67.78	35.03'RT	934.66	482,607.29	839,263.78	FRONT OF STEPS
E114	126+83.07	32.50'RT	921.25	482,814.88	839,063.14	BOW
E115	127+23.07	31.00'RT	923.87	482,786.67	839,091.54	END PED CURB; BOW
E116	127+28.07	32.50'RT	924.22	482,781.99	839,093.85	BOW
E117	127+15.00	31.00'RT	923.19	482,792.57	839,086.03	BOW; GRADE CHANGE

2



NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

LEGEND

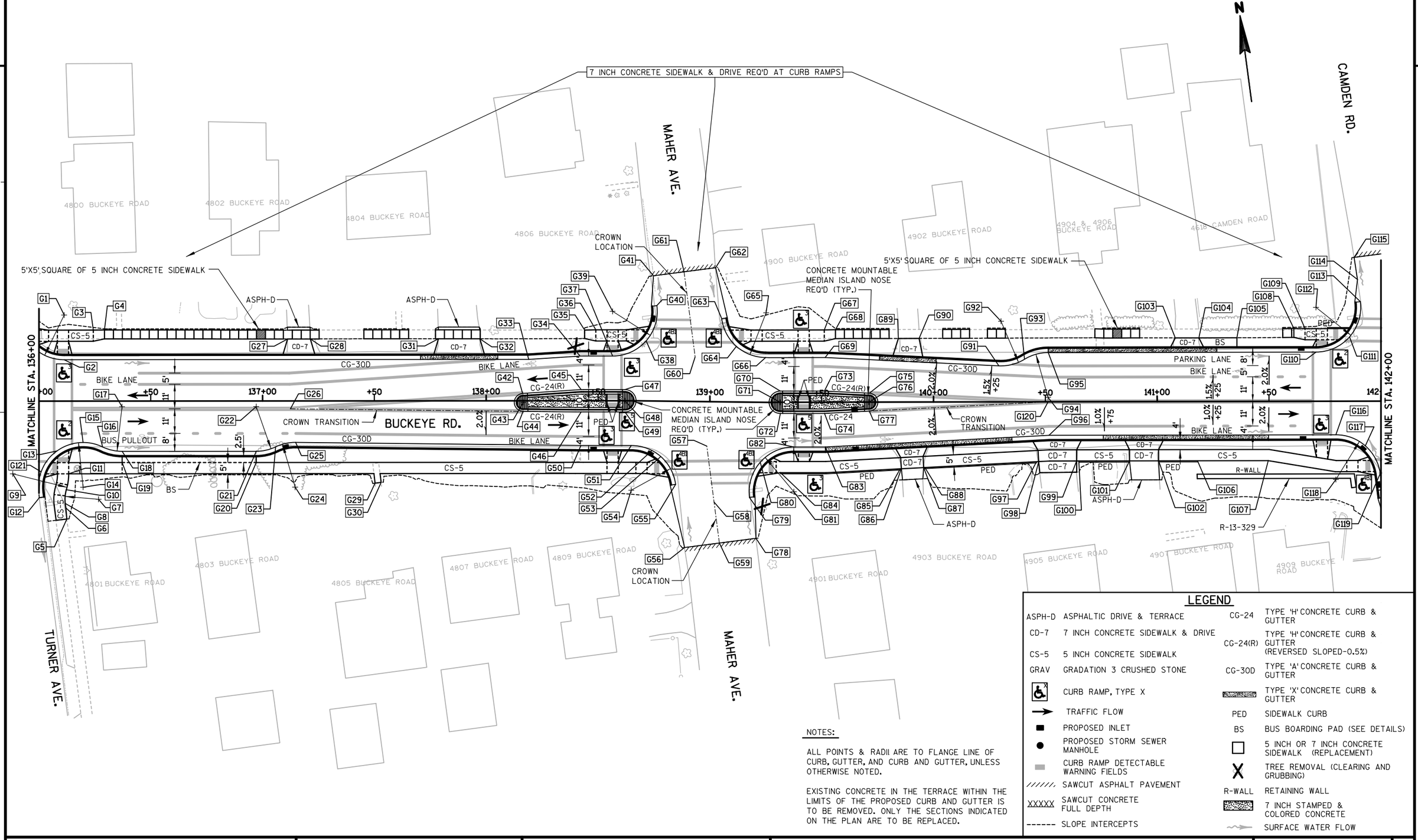
ASPH-D	ASPHALTIC DRIVE & TERRACE	CG-24	TYPE 'H' CONCRETE CURB & GUTTER
CD-7	7 INCH CONCRETE SIDEWALK & DRIVE	CG-24(R)	TYPE 'H' CONCRETE CURB & GUTTER (REVERSED SLOPED-0.5%)
CS-5	5 INCH CONCRETE SIDEWALK	CG-30D	TYPE 'A' CONCRETE CURB & GUTTER
GRAV	GRADATION 3 CRUSHED STONE		TYPE 'X' CONCRETE CURB & GUTTER
	CURB RAMP, TYPE X	PED	SIDEWALK CURB
	TRAFFIC FLOW	BS	BUS BOARDING PAD (SEE DETAILS)
	PROPOSED INLET		5 INCH OR 7 INCH CONCRETE SIDEWALK (REPLACEMENT)
	PROPOSED STORM SEWER MANHOLE	X	TREE REMOVAL (CLEARING AND GRUBBING)
	CURB RAMP DETECTABLE WARNING FIELDS	R-WALL	RETAINING WALL
//////	SAWCUT ASPHALT PAVEMENT		7 INCH STAMPED & COLORED CONCRETE
XXXXX	SAWCUT CONCRETE FULL DEPTH		SURFACE WATER FLOW
------	SLOPE INTERCEPTS		

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PLAN DETAILS	SHEET PD-11	E

POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.	Y	X	REMARKS
F1	130+10.89	30.50'LT	933.60	482,636.96	839,336.29	BOW; BEGIN RADIUS
F2	130+12.81	30.47'LT	933.68	482,636.18	839,337.72	BOW; END CONCRETE CURB PEDESTRIAN
F3	130+13.78	80.46'LT	---	482,680.34	839,361.15	R=50'
F4	130+22.65	30.86'LT	933.56	482,632.89	839,345.38	BOW; END RADIUS
F5	130+28.55	31.27'LT	---	482,631.27	839,350.11	MATCH EXIST.; BOW
F6	130+04.40	14.01'RT	932.91	482,600.93	839,309.42	EOP; BEGIN RADIUS
F7	130+13.15	17.19'RT	932.75	482,593.65	839,316.20	EOP; MIDPOINT OF RADIUS
F8	130+03.53	33.99'RT	---	482,584.09	839,298.64	R=20'
F9	130+19.00	24.75'RT	932.92	482,584.01	839,318.64	EOP; END RADIUS
F10	130+26.39	44.02'RT	933.21	482,562.89	839,318.55	EOP; END CONCRETE CURB & GUTTER
F11	130+22.29	49.88'RT	---	482,559.59	839,311.54	MATCH EXIST.
F12	130+30.47	74.97'RT	---	482,532.30	839,311.43	MATCH EXIST.
F13	130+35.60	76.19'RT	---	482,528.58	839,317.56	MATCH EXIST.; EOP
F14	130+39.20	15.94'RT	932.34	482,583.57	839,342.56	SIDEROAD CL LOCATION; BEGIN RADIUS
F15	132+32.69	48.34'RT	---	482,520.60	839,532.38	R=200'
F16	130+46.05	71.78'RT	---	482,528.03	839,332.52	MATCH EXIST.; SIDEROAD CL LOCATION; END RADIUS
F17	130+56.36	68.26'RT	---	482,527.49	839,346.87	MATCH EXIST.; EOP
F18	130+52.52	38.42'RT	932.39	482,557.55	839,350.09	EOP; BEGIN RADIUS; BEGIN CONCRETE CURB & GUTTER
F19	130+56.96	23.57'RT	932.05	482,570.53	839,358.94	EOP; MIDPOINT OF RADIUS
F20	130+69.32	37.62'RT	---	482,553.67	839,369.71	R=20'
F21	130+70.16	17.64'RT	931.70	482,573.10	839,374.45	EOP; END RADIUS; BEGIN RADIUS
F22	130+91.89	196.50'LT	---	482,781.98	839,425.38	R=215'
F23	130+91.89	18.50'RT	931.28	482,568.89	839,396.80	EOP; END RADIUS
F24	130+81.38	200.00'LT	---	482,786.85	839,415.43	R=232.5'
F25	130+81.38	32.50'RT	932.18	482,556.41	839,384.52	BOW; END RADIUS
F26	130+92.26	35.82'RT	---	482,551.68	839,394.86	MATCH EXIST.
F27	130+95.06	35.47'RT	---	482,551.64	839,397.68	MATCH EXIST.
F28	130+81.44	13.93'LT	931.76	482,602.41	839,390.75	EOP; BEGIN RADIUS
F29	130+84.16	33.74'LT	---	482,621.69	839,396.09	R=20'
F30	130+93.63	16.12'LT	931.42	482,602.97	839,403.12	EOP; END RADIUS; BEGIN RADIUS
F31	131+03.09	1.50'RT	---	482,584.25	839,410.16	R=20'
F32	131+03.09	18.50'LT	931.14	482,604.07	839,412.82	EOP; END RADIUS
F33	131+15.09	28.70'LT	---	482,612.58	839,426.07	MATCH EXIST.; FOW
F34	131+28.23	28.65'LT	---	482,610.79	839,439.09	MATCH EXIST.; FOW
F35	131+16.87	3.50'RT	931.24	482,580.43	839,423.55	END CROWN TRANSITION
F36	131+17.48	32.50'RT	936.25	482,551.61	839,420.30	BOW
F37	131+39.48	32.50'RT	935.77	482,548.69	839,442.10	BOW
F38	131+67.96	32.50'RT	930.34	482,544.90	839,470.34	BOW
F39	131+82.74	32.50'RT	929.80	482,542.93	839,484.98	BOW
F40	131+92.74	32.50'RT	929.56	482,541.60	839,494.89	BOW
F41	131+78.46	28.52'LT	---	482,603.98	839,488.85	MATCH EXIST.; FOW
F42	132+00.30	28.50'LT	---	482,601.06	839,510.50	MATCH EXIST.; FOW
F43	132+35.25	18.50'LT	928.03	482,586.50	839,543.80	EOP; BEGIN RADIUS
F44	132+35.25	1.50'RT	---	482,566.68	839,541.14	R=20'
F45	132+45.78	15.50'LT	927.87	482,582.13	839,553.84	EOP; END RADIUS; BEGIN RADIUS
F46	132+56.32	32.50'LT	---	482,597.57	839,566.55	R=20'
F47	132+56.32	12.50'LT	927.71	482,577.75	839,563.89	EOP; END RADIUS
F48	132+56.32	18.50'RT	927.73	482,547.03	839,559.77	EOP; BEGIN RADIUS
F49	132+69.95	23.86'RT	927.66	482,539.90	839,572.56	EOP; MIDPOINT OF RADIUS
F50	132+56.32	38.50'RT	---	482,527.20	839,557.11	R=20'
F51	132+76.27	37.08'RT	927.58	482,525.96	839,577.07	EOP; END RADIUS
F52	132+77.12	49.05'RT	927.82	482,513.99	839,576.32	EOP; END CONCRETE CURB & GUTTER
F53	132+78.04	62.01'RT	---	482,501.01	839,575.52	MATCH EXIST.; EOP
F54	132+90.98	18.50'RT	927.09	482,542.42	839,594.12	SIDEROAD CL LOCATION
F55	132+92.59	41.06'RT	927.54	482,519.84	839,592.72	SIDEROAD CL LOCATION; GRADE CHANGE
F56	132+94.00	60.88'RT	---	482,500.02	839,591.48	MATCH EXIST.; SIDEROAD CL LOCATION
F57	133+09.96	59.74'RT	---	482,499.02	839,607.45	MATCH EXIST.; EOP
F58	133+09.75	56.74'RT	927.66	482,502.02	839,607.64	EOP
F59	133+09.04	46.77'RT	927.41	482,512.00	839,608.26	EOP; BEGIN CONCRETE CURB & GUTTER
F60	133+08.55	39.92'RT	927.24	482,518.85	839,608.69	EOP; BEGIN RADIUS

POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.	Y	X	REMARKS
F61	133+13.86	24.87'RT	926.83	482,533.06	839,615.95	EOP; MIDPOINT OF RADIUS
F62	133+28.50	38.50'RT	---	482,517.61	839,628.65	R=20'
F63	133+28.50	18.50'RT	926.42	482,537.43	839,631.31	EOP; END RADIUS
F64	132+99.01	28.23'LT	---	482,587.67	839,608.29	MATCH EXIST.; FOW
F65	133+09.65	28.22'LT	---	482,586.24	839,618.84	MATCH EXIST.; FOW
F66	133+28.50	12.50'LT	926.59	482,568.15	839,635.43	EOP; BEGIN RADIUS
F67	133+28.50	32.50'LT	---	482,587.98	839,638.09	R=20'
F68	133+39.04	15.50'LT	926.40	482,569.73	839,646.27	EOP; END RADIUS; BEGIN RADIUS
F69	133+49.57	1.50'RT	---	482,551.48	839,654.45	R=20'
F70	133+49.57	18.50'LT	926.23	482,571.30	839,657.11	EOP; END RADIUS
F71	133+65.48	28.09'LT	---	482,578.69	839,674.15	MATCH EXIST.; FOW
F72	133+78.24	28.10'LT	---	482,577.01	839,686.80	MATCH EXIST.; FOW
F73	133+93.97	32.50'RT	925.50	482,514.85	839,694.34	BOW
F74	134+07.97	32.50'RT	925.15	482,512.99	839,708.21	BOW
F75	134+31.33	28.11'LT	---	482,569.95	839,739.43	MATCH EXIST.; FOW
F76	134+40.43	28.09'LT	---	482,568.72	839,748.43	MATCH EXIST.; FOW
F77	134+46.89	32.50'RT	924.58	482,507.81	839,746.78	BOW
F78	134+58.89	32.50'RT	924.38	482,506.22	839,758.68	BOW
F79	134+83.05	28.03'LT	---	482,563.00	839,790.68	MATCH EXIST.; FOW; BEGIN BUS PAD
F80	134+93.05	28.02'LT	---	482,561.66	839,800.59	MATCH EXIST.; FOW; END BUS PAD
F81	135+91.50	35.93'LT	923.35	482,556.41	839,899.21	EOP; BEGIN RADIUS
F82	135+98.13	23.48'LT	923.16	482,543.19	839,904.12	EOP; MIDPOINT OF RADIUS
F83	135+51.18	18.50'RT	923.34	482,507.82	839,852.01	EOP; BEGIN RADIUS
F84	135+64.39	23.48'RT	923.17	482,501.13	839,864.44	EOP; MIDPOINT OF RADIUS
F85	135+51.18	38.50'RT	---	482,488.00	839,849.35	R=20'
F86	135+71.02	35.94'RT	922.86	482,487.90	839,869.35	EOP; END RADIUS
F87	135+72.41	46.76'RT	---	482,476.99	839,869.30	MATCH EXIST.; EOP
F88	135+55.40	32.50'RT	923.30	482,493.39	839,854.33	BOW
F89	135+58.03	52.95'RT	922.84	482,472.77	839,854.22	BOW
F90	135+82.89	18.50'RT	923.26	482,503.61	839,883.43	SIDEROAD CL LOCATION
F91	135+86.30	44.97'RT	---	482,476.92	839,883.30	MATCH EXIST.; SIDEROAD CL LOCATION
F92	135+58.55	57.94'RT	---	482,467.75	839,854.07	MATCH EXIST.; BOW
F93	135+99.91	41.06'RT	922.39	482,478.99	839,897.31	EOP; BEGIN RADIUS
F94	135+34.55	31.82'LT	---	482,559.90	839,842.22	MATCH EXIST.; BOW
F95	135+39.55	32.00'LT	923.79	482,559.42	839,847.20	BOW
F96	135+38.73	18.50'LT	923.14	482,546.15	839,844.59	EOP; BEGIN RADIUS
F97	135+53.75	25.30'LT	923.38	482,550.89	839,860.38	EOP; MIDPOINT OF RADIUS
F98	135+38.73	38.50'LT	---	482,565.97	839,847.25	R=20'
F99	135+58.56	41.07'LT	923.61	482,565.88	839,867.25	EOP; END RADIUS
F100	135+58.11	44.54'LT	923.67	482,569.38	839,867.26	EOP; END CONCRETE CURB & GUTTER
F101	135+53.88	61.78'LT	---	482,587.03	839,865.36	MATCH EXIST.; EOP
F102	135+77.62	18.50'LT	923.15	482,540.98	839,883.14	SIDEROAD CL LOCATION
F103	135+74.43	43.13'LT	923.65	482,565.81	839,883.25	SIDEROAD CL LOCATION; GRADE CHANGE
F104	135+71.71	64.09'LT	---	482,586.95	839,883.34	MATCH EXIST.; SIDEROAD CL LOCATION
F105	135+87.18	66.10'LT	---	482,586.88	839,898.94	MATCH EXIST.; EOP
F106	135+90.35	44.80'LT	923.50	482,565.35	839,899.25	EOP; BEGIN CONCRETE CURB & GUTTER
F107	135+59.25	20.20'RT	923.30	482,505.07	839,859.78	EOP; GRADE CHANGE

2



NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

LEGEND

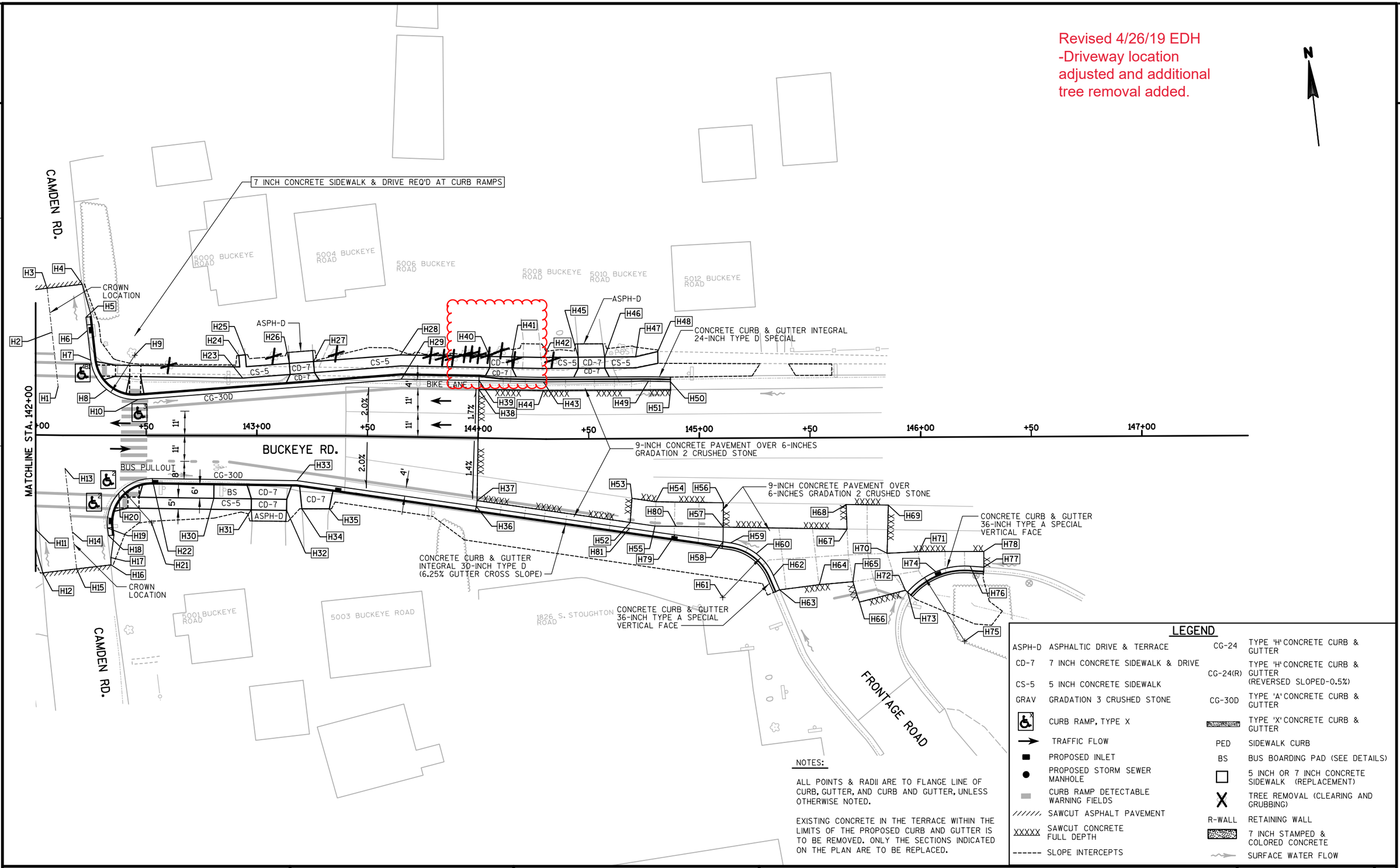
ASPH-D	ASPHALTIC DRIVE & TERRACE	CG-24	TYPE 'H' CONCRETE CURB & GUTTER
CD-7	7 INCH CONCRETE SIDEWALK & DRIVE	CG-24(R)	TYPE 'H' CONCRETE CURB & GUTTER (REVERSED SLOPED-0.5%)
CS-5	5 INCH CONCRETE SIDEWALK	CG-30D	TYPE 'A' CONCRETE CURB & GUTTER
GRAV	GRADATION 3 CRUSHED STONE		TYPE 'X' CONCRETE CURB & GUTTER
	CURB RAMP, TYPE X	PED	SIDEWALK CURB
	TRAFFIC FLOW	BS	BUS BOARDING PAD (SEE DETAILS)
	PROPOSED INLET		5 INCH OR 7 INCH CONCRETE SIDEWALK (REPLACEMENT)
	PROPOSED STORM SEWER MANHOLE	X	TREE REMOVAL (CLEARING AND GRUBBING)
	CURB RAMP DETECTABLE WARNING FIELDS	R-WALL	RETAINING WALL
//////	SAWCUT ASPHALT PAVEMENT		7 INCH STAMPED & COLORED CONCRETE
XXXXX	SAWCUT CONCRETE FULL DEPTH		SURFACE WATER FLOW
------	SLOPE INTERCEPTS		

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PLAN DETAILS	SHEET PD-13	E

POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.	Y	X	REMARKS
G1	136+11.33	38.50'LT	---	482,556.32	839,919.21	R=20'
G2	136+11.33	18.50'LT	922.96	482,536.50	839,916.55	EOP; END RADIUS
G3	136+24.34	31.75'LT	923.56	482,547.90	839,931.20	BOW
G4	136+29.34	31.81'LT	---	482,547.30	839,936.17	MATCH EXIST.; BOW
G5	136+12.46	52.77'RT	---	482,465.71	839,908.19	MATCH EXIST.; BOW
G6	136+12.00	47.75'RT	922.85	482,470.75	839,908.40	BOW
G7	136+26.64	43.91'RT	---	482,472.61	839,923.42	R=15'
G8	136+11.75	45.74'RT	922.89	482,472.77	839,908.42	BOW; BEGIN RADIUS
G9	135+88.30	32.50'RT	---	482,489.01	839,886.94	R=25'
G10	136+12.26	39.63'RT	922.96	482,478.76	839,909.74	BOW; END RADIUS; BEGIN RADIUS
G11	136+13.30	32.50'RT	922.95	482,485.69	839,911.72	BOW; END RADIUS
G12	136+00.18	43.18'RT	---	482,476.85	839,897.30	MATCH EXIST.; EOP
G13	136+08.06	22.27'RT	922.93	482,496.53	839,907.88	EOP; MIDPOINT OF RADIUS
G14	136+19.75	38.50'RT	---	482,478.89	839,917.31	R=20'
G15	136+19.75	18.50'RT	923.06	482,498.71	839,919.97	EOP; HIGH POINT
G16	136+28.46	20.50'RT	922.97	482,495.57	839,928.34	EOP; END RADIUS; BEGIN RADIUS
G17	136+37.18	2.50'RT	---	482,512.25	839,939.38	R=20'
G18	136+37.18	22.50'RT	922.88	482,492.43	839,936.72	EOP; END RADIUS
G19	136+37.18	27.50'RT	923.30	482,487.47	839,936.05	FOW; BEGIN BUS PAD
G20	136+97.17	27.50'RT	922.96	482,479.49	839,995.51	FOW; END BUS PAD
G21	136+97.17	22.50'RT	922.55	482,484.45	839,996.17	EOP; BEGIN RADIUS
G22	136+97.17	2.50'RT	---	482,504.27	839,998.83	R=20'
G23	137+05.86	20.51'RT	922.53	482,485.26	840,005.05	EOP; END RADIUS; BEGIN RADIUS
G24	137+14.55	38.53'RT	---	482,466.25	840,011.27	R=20'
G25	137+14.78	18.53'RT	922.53	482,486.05	840,014.15	EOP; END RADIUS
G26	137+12.43	3.50'RT	922.84	482,501.25	840,013.83	BEGIN CROWN TRANSITION
G27	137+11.17	27.74'LT	---	482,532.38	840,016.73	MATCH EXIST.; FOW
G28	137+21.35	27.75'LT	---	482,531.04	840,026.82	MATCH EXIST.; FOW
G29	137+50.30	36.80'RT	---	482,463.21	840,046.93	MATCH EXIST.
G30	137+53.01	36.47'RT	---	482,463.18	840,049.66	MATCH EXIST.
G31	137+78.67	27.77'LT	---	482,523.44	840,083.64	MATCH EXIST.; FOW
G32	137+97.15	27.74'LT	---	482,520.95	840,101.94	MATCH EXIST.; FOW
G33	138+19.00	18.50'LT	921.53	482,508.89	840,122.37	EOP
G34	138+41.94	20.00'LT	921.01	482,507.32	840,145.31	EOP
G35	138+44.00	31.61'LT	---	482,518.56	840,148.89	MATCH EXIST.; BOW
G36	138+49.00	31.75'LT	921.30	482,518.03	840,153.87	BOW
G37	138+56.51	20.00'LT	920.62	482,505.39	840,159.75	EOP; BEGIN RADIUS
G38	138+71.20	26.87'LT	920.21	482,510.13	840,175.54	EOP; MIDPOINT OF RADIUS
G39	138+56.51	40.00'LT	---	482,525.21	840,162.41	R=20'
G40	138+75.81	42.70'LT	919.80	482,525.12	840,182.41	EOP; END RADIUS; END CONCRETE CURB & GUTTER
G41	138+74.13	55.99'LT	---	482,538.52	840,182.68	MATCH EXIST.; EOP
G42	138+16.29	3.29'LT	921.87	482,494.17	840,117.66	EOP; BEGIN RADIUS
G43	138+16.55	0.70'RT	---	482,490.18	840,117.39	R=4'
G44	138+16.50	4.70'RT	922.03	482,486.23	840,116.81	EOP; END RADIUS
G45	138+42.43	5.00'LT	921.29	482,492.39	840,143.80	EOP
G46	138+42.43	5.00'RT	921.49	482,482.48	840,142.47	EOP; END CROWN TRANSITION
G47	138+62.00	5.00'LT	920.76	482,489.79	840,163.20	EOP; BEGIN RADIUS
G48	138+62.00	0.00'RT	---	482,484.84	840,162.53	R=5'
G49	138+62.00	5.00'RT	920.96	482,479.88	840,161.87	EOP; END RADIUS
G50	138+42.35	20.00'RT	921.36	482,467.63	840,140.39	EOP
G51	138+64.84	20.00'RT	920.84	482,464.64	840,162.68	EOP; BEGIN RADIUS
G52	138+74.36	22.16'RT	920.46	482,461.16	840,171.55	EOP; LOW POINT
G53	138+78.36	24.83'RT	920.49	482,457.94	840,175.11	EOP; MIDPOINT OF RADIUS
G54	138+64.84	40.00'RT	---	482,444.81	840,160.03	R=20'
G55	138+85.14	37.21'RT	920.57	482,444.70	840,180.03	EOP; END RADIUS; END CONCRETE CURB & GUTTER
G56	138+89.47	65.38'RT	---	482,416.21	840,180.22	MATCH EXIST.; EOP
G57	138+98.86	19.93'RT	919.77	482,459.81	840,196.11	SIDEROAD CL LOCATION
G58	139+02.38	44.88'RT	920.27	482,434.62	840,195.97	SIDEROAD CL LOCATION; GRADE CHANGE
G59	139+04.96	63.19'RT	---	482,416.12	840,195.87	MATCH EXIST.; SIDEROAD CL LOCATION
G60	138+93.19	19.95'LT	919.40	482,500.09	840,196.29	SIDEROAD CL LOCATION
G61	138+87.79	57.93'LT	---	482,538.45	840,196.47	MATCH EXIST.; SIDEROAD CL LOCATION

POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.	Y	X	REMARKS
G62	139+01.86	59.93'LT	---	482,538.39	840,210.67	MATCH EXIST.; EOP
G63	139+04.88	37.19'LT	919.06	482,515.45	840,210.36	EOP; BEGIN RADIUS; BEGIN CONCRETE CURB & GUTTER
G64	139+11.57	24.90'LT	918.55	482,502.32	840,215.20	EOP; MIDPOINT OF RADIUS
G65	139+24.68	40.00'LT	---	482,515.36	840,230.36	R=20'
G66	139+24.68	20.00'LT	918.05	482,495.57	840,227.46	EOP; END RADIUS
G67	139+51.19	32.35'LT	917.48	482,504.33	840,255.09	BOW
G68	139+56.19	32.45'LT	---	482,503.78	840,260.06	MATCH EXIST.; BOW
G69	139+51.60	20.00'LT	916.61	482,492.04	840,253.87	EOP
G70	139+31.50	5.00'LT	918.03	482,479.81	840,231.97	EOP; BEGIN RADIUS
G71	139+31.50	0.00'RT	---	482,474.86	840,231.31	R=5'
G72	139+31.50	5.00'RT	918.23	482,469.90	840,230.65	EOP; END RADIUS
G73	139+51.22	5.00'LT	917.00	482,477.22	840,251.52	EOP
G74	139+51.22	5.00'RT	917.20	482,467.30	840,250.21	EOP; BEGIN CROWN TRANSITION
G75	139+71.32	4.00'LT	915.87	482,473.57	840,271.31	EOP; BEGIN RADIUS
G76	139+71.12	0.00'RT	---	482,469.64	840,270.59	R=4'
G77	139+71.32	4.00'RT	916.05	482,465.65	840,270.26	EOP; END RADIUS
G78	139+21.33	60.88'RT	---	482,416.03	840,212.39	MATCH EXIST.; EOP
G79	139+18.22	42.64'RT	919.62	482,434.53	840,211.97	EOP; BEGIN RADIUS; BEGIN CONCRETE CURB & GUTTER
G80	139+22.84	26.83'RT	918.90	482,449.50	840,218.83	EOP; MIDPOINT OF RADIUS
G81	139+37.48	40.00'RT	---	482,434.42	840,231.97	R=20'
G82	139+37.48	20.00'RT	918.18	482,454.25	840,234.60	EOP; END RADIUS
G83	139+51.60	20.00'RT	917.50	482,452.39	840,248.60	EOP
G84	139+31.51	31.50'RT	918.89	482,443.63	840,227.17	BOW; BEGIN CONCRETE CURB PEDESTRIAN
G85	139+85.05	29.84'RT	916.42	482,438.22	840,280.47	BOW; END CONCRETE CURB PEDESTRIAN
G86	139+85.55	29.82'RT	916.39	482,438.18	840,280.96	BOW
G87	139+95.54	29.32'RT	915.75	482,437.36	840,290.93	BOW
G88	139+96.04	29.29'RT	915.71	482,437.32	840,291.43	BOW; BEGIN CONCRETE CURB PEDESTRIAN
G89	139+84.35	28.45'LT	---	482,496.10	840,287.45	MATCH EXIST.; FOW
G90	139+93.63	28.45'LT	---	482,494.88	840,296.64	MATCH EXIST.; FOW
G91	140+29.27	16.12'LT	912.15	482,477.96	840,330.35	EOP; BEGIN RADIUS
G92	140+30.27	36.09'LT	---	482,497.63	840,333.97	R=20'
G93	140+40.73	19.05'LT	911.38	482,479.35	840,342.10	EOP; END RADIUS; BEGIN RADIUS
G94	140+51.19	2.00'LT	---	482,461.08	840,350.22	R=20'
G95	140+51.31	22.00'LT	910.69	482,480.89	840,352.97	EOP; END RADIUS
G96	140+51.60	15.00'RT	910.99	482,444.17	840,348.39	EOP
G97	140+45.94	26.80'RT	911.52	482,433.22	840,341.22	BOW; END CONCRETE CURB PEDESTRIAN
G98	140+46.94	26.75'RT	911.44	482,433.14	840,342.22	BOW
G99	140+63.94	26.50'RT	910.25	482,431.15	840,359.10	BOW
G100	140+64.94	26.50'RT	910.30	482,431.02	840,360.09	BOW; BEGIN CONCRETE CURB PEDESTRIAN
G101	140+87.59	26.50'RT	909.68	482,428.03	840,382.56	BOW; END CONCRETE CURB PEDESTRIAN
G102	141+00.59	26.50'RT	909.02	482,426.32	840,395.44	BOW; BEGIN CONCRETE CURB PEDESTRIAN
G103	141+08.12	28.47'LT	---	482,479.82	840,410.15	MATCH EXIST.; FOW
G104	141+18.71	28.46'LT	---	482,478.42	840,420.64	MATCH EXIST.; FOW; BEGIN BUS PAD
G105	141+35.71	28.45'LT	---	482,476.17	840,437.49	MATCH EXIST.; FOW; END BUS PAD
G106	141+17.99	26.50'RT	908.14	482,424.03	840,412.69	BOW; END CONCRETE CURB PEDESTRIAN
G107	141+49.59	26.50'RT	906.22	482,419.87	840,444.01	BOW
G108	141+61.15	32.58'LT	---	482,476.91	840,463.25	MATCH EXIST.; BOW
G109	141+66.15	32.50'LT	904.71	482,476.17	840,468.19	BOW
G110	141+71.08	22.00'LT	904.45	482,465.12	840,471.70	EOP; BEGIN RADIUS
G111	141+86.08	28.77'LT	903.77	482,469.85	840,487.46	EOP; MIDPOINT OF RADIUS
G112	141+71.08	42.00'LT	---	482,484.94	840,474.33	R=20'
G113	141+90.92	44.51'LT	903.09	482,484.81	840,494.33	EOP; END RADIUS; END CONCRETE CURB & GUTTER
G114	141+89.67	54.43'LT	902.75	482,494.81	840,494.40	EOP
G115	141+88.17	64.32'LT	---	482,504.81	840,494.22	MATCH EXIST.; EOP
G116	141+79.84	15.00'RT	904.22	482,427.28	840,475.52	EOP; BEGIN RADIUS
G117	141+93.04	19.97'RT	903.74	482,420.62	840,487.94	EOP; MIDPOINT OF RADIUS
G118	141+79.84	35.00'RT	---	482,407.46	840,472.88	R=20'
G119	141+99.67	32.41'RT	903.89	482,407.42	840,492.88	EOP; END RADIUS
G120	140+51.22	0.00'RT	911.02	482,459.09	840,349.99	END CROWN TRANSITION
G121	136+00.96	31.64'RT	922.80	482,488.18	839,899.60	EOP; GRADE CHANGE

Revised 4/26/19 EDH
-Driveway location adjusted and additional tree removal added.



LEGEND

ASPH-D	ASPHALTIC DRIVE & TERRACE	CG-24	TYPE 'H' CONCRETE CURB & GUTTER
CD-7	7 INCH CONCRETE SIDEWALK & DRIVE	CG-24(R)	TYPE 'H' CONCRETE CURB & GUTTER (REVERSED SLOPED-0.5%)
CS-5	5 INCH CONCRETE SIDEWALK		
GRAV	GRADATION 3 CRUSHED STONE	CG-30D	TYPE 'A' CONCRETE CURB & GUTTER
	CURB RAMP, TYPE X		TYPE 'X' CONCRETE CURB & GUTTER
	TRAFFIC FLOW	PED	SIDEWALK CURB
	PROPOSED INLET	BS	BUS BOARDING PAD (SEE DETAILS)
	PROPOSED STORM SEWER MANHOLE		5 INCH OR 7 INCH CONCRETE SIDEWALK (REPLACEMENT)
	CURB RAMP DETECTABLE WARNING FIELDS	X	TREE REMOVAL (CLEARING AND GRUBBING)
	SAWCUT ASPHALT PAVEMENT	R-WALL	RETAINING WALL
XXXXX	SAWCUT CONCRETE FULL DEPTH		7 INCH STAMPED & COLORED CONCRETE
	SLOPE INTERCEPTS		SURFACE WATER FLOW

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER, UNLESS OTHERWISE NOTED.

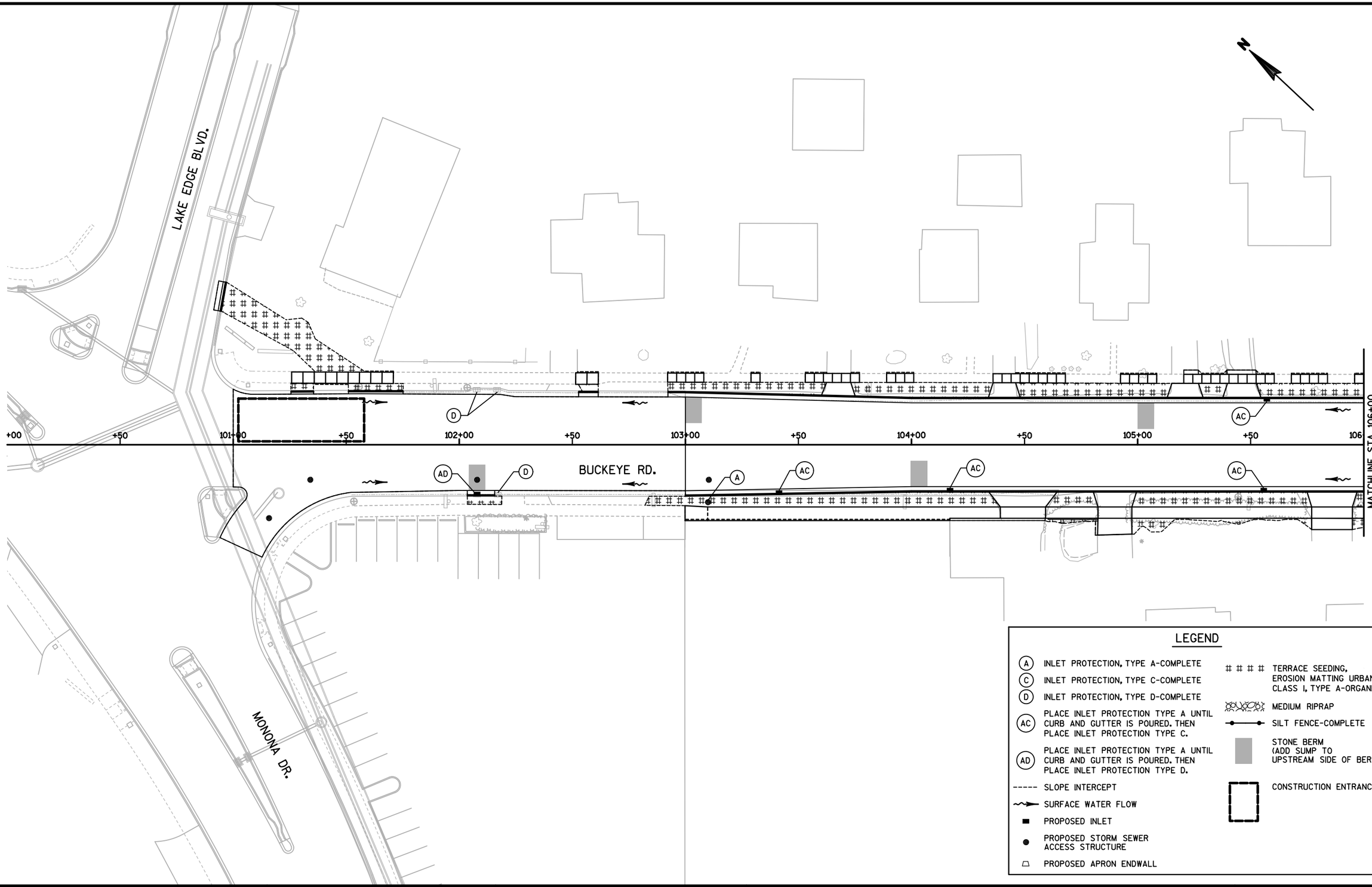
EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PLAN DETAILS	SHEET PD-15	E

POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.	Y	X	REMARKS
H1	142+09.89	22.00'LT	902.99	482,460.00	840,510.17	SIDEROAD CL LOCATION
H2	142+06.80	46.51'LT	902.56	482,484.71	840,510.33	SIDEROAD CL LOCATION; GRADE CHANGE
H3	142+04.29	66.35'LT	---	482,504.71	840,510.46	MATCH EXIST.; SIDEROAD CL LOCATION
H4	142+20.97	68.26'LT	---	482,504.60	840,526.45	MATCH EXIST.; EOP
H5	142+22.68	53.35'LT	902.06	482,489.60	840,526.37	EOP; BEGIN CONCRETE CURB & GUTTER
H6	142+23.36	47.39'LT	902.03	482,483.60	840,526.33	EOP; LOW POINT
H7	142+24.89	33.97'LT	902.30	482,470.09	840,526.24	EOP; BEGIN RADIUS
H8	142+32.04	20.80'LT	902.38	482,456.17	840,531.76	EOP; MIDPOINT OF RADIUS
H9	142+44.77	36.24'LT	---	482,469.96	840,546.24	R=20'
H10	142+46.33	16.30'LT	902.22	482,449.98	840,545.41	EOP; END RADIUS
H11	142+01.07	43.09'RT	904.11	482,396.65	840,492.86	EOP; END CONCRETE CURB & GUTTER
H12	142+04.11	62.31'RT	---	482,377.19	840,493.34	MATCH EXIST.; EOP
H13	142+13.35	15.01'RT	903.03	482,422.85	840,508.91	SIDEROAD CL LOCATION
H14	142+16.76	43.73'RT	903.61	482,393.93	840,508.86	SIDEROAD CL LOCATION; GRADE CHANGE
H15	142+18.74	60.38'RT	---	482,377.16	840,508.82	MATCH EXIST.; SIDEROAD CL LOCATION
H16	142+34.21	58.54'RT	---	482,377.13	840,524.40	MATCH EXIST.; EOP
H17	142+34.24	55.25'RT	903.79	482,380.40	840,524.83	EOP
H18	142+33.06	45.32'RT	903.31	482,390.40	840,524.85	EOP; BEGIN CONCRETE CURB & GUTTER
H19	142+32.65	41.84'RT	903.14	482,393.90	840,524.86	EOP; BEGIN RADIUS
H20	142+37.64	26.11'RT	902.60	482,408.92	840,531.69	EOP; MIDPOINT OF RADIUS
H21	142+52.51	39.48'RT	---	482,393.86	840,544.86	R=20'
H22	142+52.75	19.48'RT	902.05	482,413.69	840,547.49	EOP; END RADIUS
H23	142+93.59	26.03'LT	902.04	482,453.98	840,593.49	FOW
H24	142+91.79	36.24'LT	---	482,441.24	840,592.93	MATCH EXIST.
H25	142+94.74	36.56'LT	---	482,464.29	840,595.89	MATCH EXIST.
H26	143+14.62	32.70'LT	901.88	482,458.08	840,615.17	BOW
H27	143+25.59	33.56'LT	901.81	482,457.62	840,626.16	BOW
H28	143+64.33	36.99'LT	901.77	482,455.98	840,665.51	BOW
H29	143+64.83	25.99'LT	901.18	482,445.01	840,664.53	EOP
H30	142+80.61	28.32'RT	902.20	482,401.58	840,574.09	FOW; BEGIN BUS PAD
H31	142+97.55	33.52'RT	901.84	482,394.38	840,590.28	BOW
H32	143+13.54	33.71'RT	901.75	482,392.28	840,606.14	BOW
H33	143+18.16	20.27'RT	901.54	482,405.07	840,612.33	EOP
H34	143+20.43	33.00'RT	---	482,392.16	840,613.06	MATCH EXIST.
H35	143+32.83	33.00'RT	---	482,390.67	840,625.37	MATCH EXIST.
H36	143+99.66	30.89'RT	901.14	482,383.97	840,691.43	EOP
H37	144+00.00	28.25'RT	---	482,386.54	840,692.12	MATCH EXIST.
H38	144+00.00	21.95'LT	---	482,436.30	840,698.84	MATCH EXIST.
H39	144+00.00	25.95'LT	901.22	482,440.26	840,698.38	EOP
H40	144+04.76	36.93'LT	901.62	482,450.55	840,705.57	BOW
H41	144+14.76	36.91'LT	901.60	482,449.15	840,715.47	BOW
H42	144+28.99	36.91'LT	901.57	482,447.25	840,729.57	BOW
H43	144+29.10	25.91'LT	901.62	482,436.33	840,728.21	EOP
H44	144+29.14	21.91'LT	---	482,432.36	840,727.72	MATCH EXIST.
H45	144+45.41	36.95'LT	901.44	482,445.49	840,745.11	BOW
H46	144+57.41	36.95'LT	901.38	482,444.14	840,757.03	BOW
H47	144+71.40	36.96'LT	901.51	482,442.57	840,770.94	BOW
H48	144+81.40	39.32'LT	---	482,443.79	840,781.14	MATCH EXIST.; BOW
H49	144+77.06	25.96'LT	900.81	482,431.01	840,775.32	EOP
H50	144+87.07	25.69'LT	---	482,429.60	840,785.24	MATCH EXIST.
H51	144+87.07	21.97'LT	---	482,425.91	840,784.82	MATCH EXIST.
H52	144+68.55	37.87'RT	---	482,368.54	840,759.67	MATCH EXIST.
H53	144+69.36	26.97'RT	---	482,379.28	840,761.70	MATCH EXIST.
H54	144+80.22	28.61'RT	---	482,376.43	840,772.31	MATCH EXIST.
H55	144+79.69	39.52'RT	900.78	482,365.64	840,770.56	EOP
H56	145+10.73	29.20'RT	---	482,372.40	840,802.56	MATCH EXIST.
H57	145+10.57	40.19'RT	---	482,361.50	840,801.16	MATCH EXIST.
H58	145+10.46	46.81'RT	900.79	482,354.74	840,800.39	EOP
H59	145+13.85	47.31'RT	900.82	482,354.05	840,803.62	EOP; BEGIN RADIUS
H60	145+25.45	52.25'RT	900.93	482,347.84	840,814.59	EOP; MIDPOINT OF RADIUS
H61	145+10.17	72.04'RT	---	482,329.90	840,797.17	R=25'
H62	145+33.16	62.23'RT	901.05	482,337.06	840,821.13	EOP; END RADIUS
H63	145+35.92	68.69'RT	---	482,330.33	840,823.14	MATCH EXIST.; EOP
H64	145+53.88	66.43'RT	---	482,330.55	840,841.24	MATCH EXIST.
H65	145+69.10	65.15'RT	---	482,330.11	840,856.50	MATCH EXIST.
H66	145+71.95	74.39'RT	---	482,320.60	840,858.29	MATCH EXIST.
H67	145+66.50	41.39'RT	---	482,354.00	840,856.60	MATCH EXIST.
H68	145+66.16	30.23'RT	---	482,365.14	840,857.52	MATCH EXIST.
H69	145+85.24	30.61'RT	---	482,362.61	840,876.44	MATCH EXIST.
H70	145+84.56	52.39'RT	---	482,341.04	840,873.30	MATCH EXIST.
H71	145+99.09	51.74'RT	---	482,340.05	840,887.82	MATCH EXIST.
H72	145+92.74	69.17'RT	---	482,323.45	840,879.54	MATCH EXIST.
H73	145+93.73	70.03'RT	---	482,322.48	840,880.43	MATCH EXIST.; EOP; BEGIN RADIUS
H74	146+06.54	60.85'RT	901.05	482,330.16	840,894.20	EOP; MIDPOINT OF RADIUS
H75	146+19.41	92.32'RT	---	482,297.44	840,903.43	R=34'
H76	146+22.12	58.43'RT	901.16	482,330.81	840,909.94	EOP; END RADIUS
H77	146+28.29	58.92'RT	---	482,329.63	840,916.02	MATCH EXIST.; EOP
H78	146+28.26	51.79'RT	---	482,336.71	840,916.80	MATCH EXIST.
H79	144+88.68	43.57'RT	900.68	482,363.17	840,781.06	EOP; GRADE CHANGE
H80	144+89.25	39.73'RT	900.76	482,364.36	840,780.03	GRADE CHANGE
H81	144+68.16	40.51'RT	900.79	482,365.96	840,758.98	EOP; GRADE CHANGE

Revised 4/26/19 EDH
-Driveway location
adjusted.

2

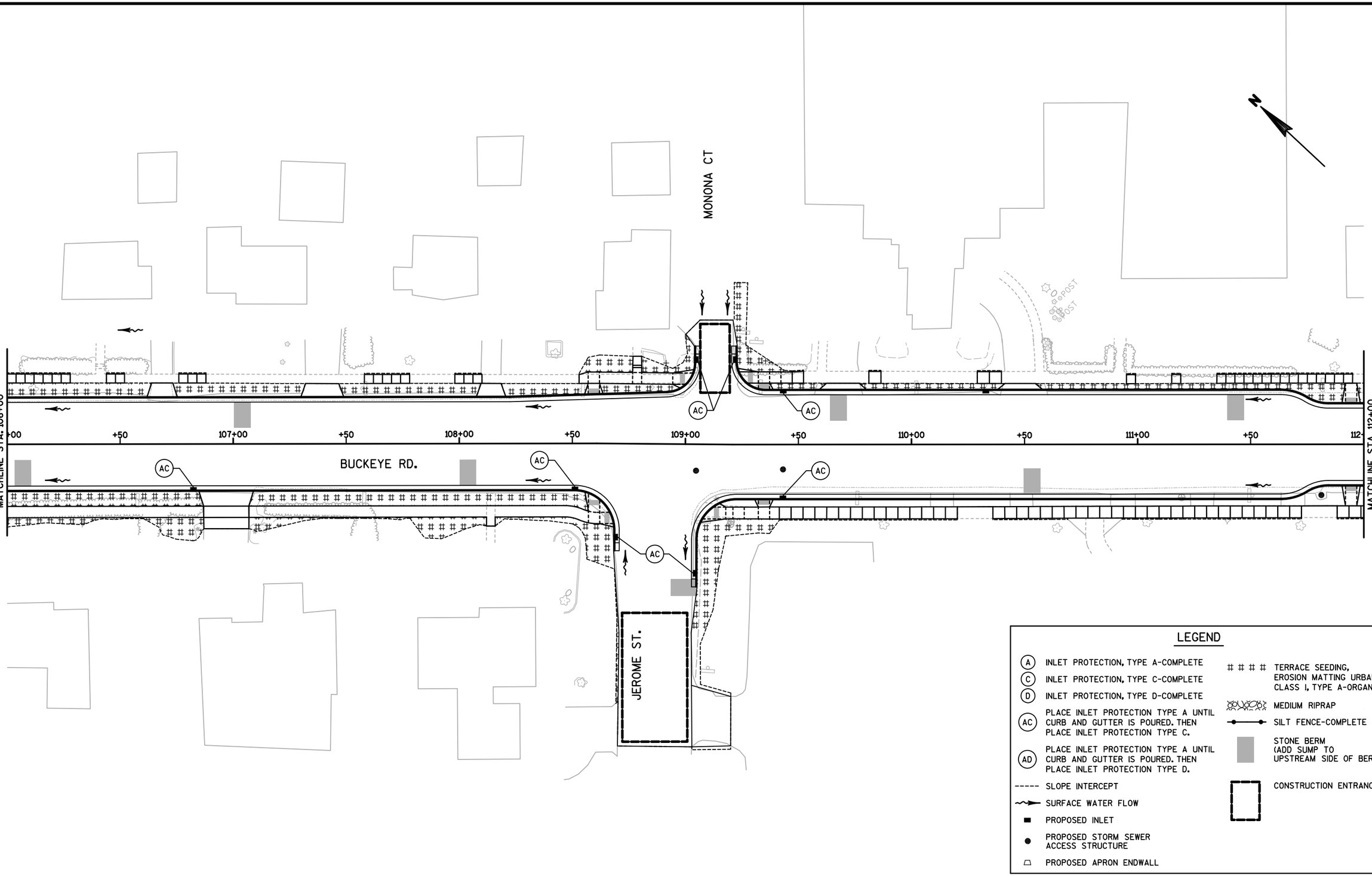


LEGEND

- (A) INLET PROTECTION, TYPE A-COMPLETE
- (C) INLET PROTECTION, TYPE C-COMPLETE
- (D) INLET PROTECTION, TYPE D-COMPLETE
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- ----- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER ACCESS STRUCTURE
- PROPOSED APRON ENDWALL
- # # # # TERRACE SEEDING, EROSION MATTING URBAN CLASS I, TYPE A-ORGANIC
- MEDIUM RIPRAP
- SILT FENCE-COMPLETE
- STONE BERM (ADD SUMP TO UPSTREAM SIDE OF BERM
- CONSTRUCTION ENTRANCE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EROSION CONTROL PLANS	SHEET EC-1	E

2

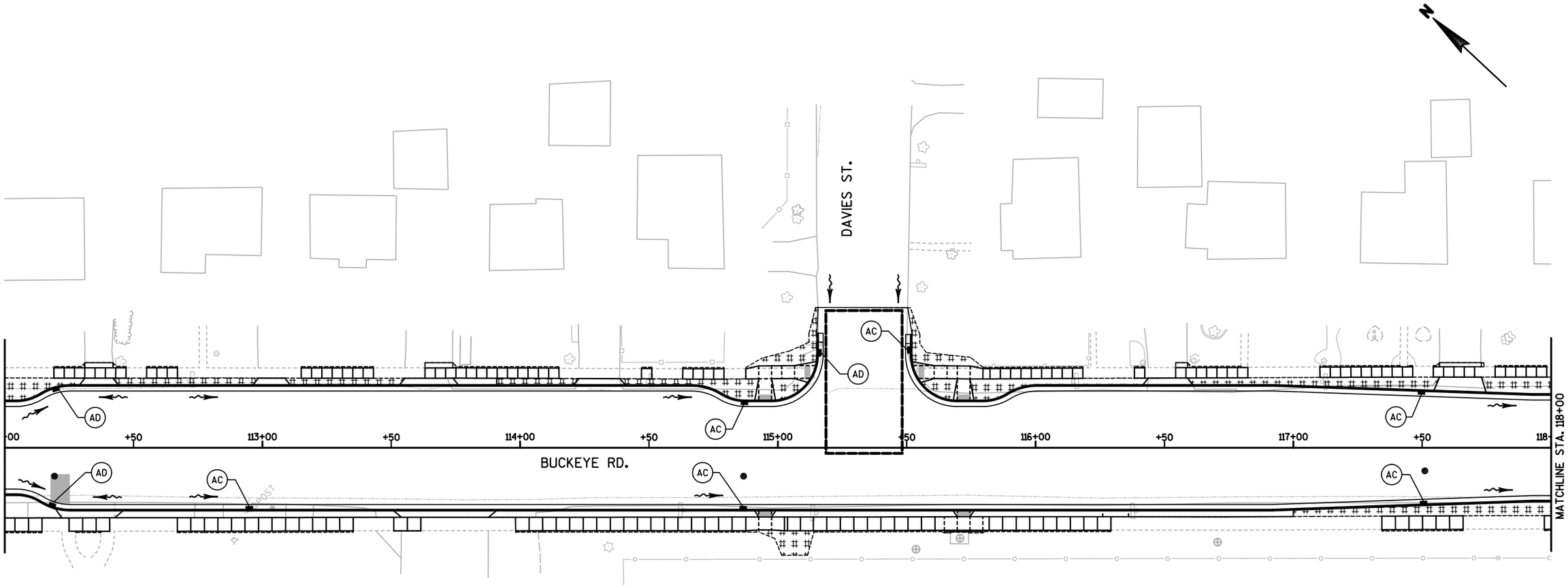


LEGEND

- (A) INLET PROTECTION, TYPE A-COMPLETE
- (C) INLET PROTECTION, TYPE C-COMPLETE
- (D) INLET PROTECTION, TYPE D-COMPLETE
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER ACCESS STRUCTURE
- PROPOSED APRON ENDWALL
- # # # # TERRACE SEEDING, EROSION MATTING URBAN CLASS I, TYPE A-ORGANIC
- MEDIUM RIPRAP
- SILT FENCE-COMPLETE
- STONE BERM (ADD SUMP TO UPSTREAM SIDE OF BERM
- CONSTRUCTION ENTRANCE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EROSION CONTROL PLANS	SHEET EC-2	E

2



LEGEND

- (A) INLET PROTECTION, TYPE A-COMPLETE
- (C) INLET PROTECTION, TYPE C-COMPLETE
- (D) INLET PROTECTION, TYPE D-COMPLETE
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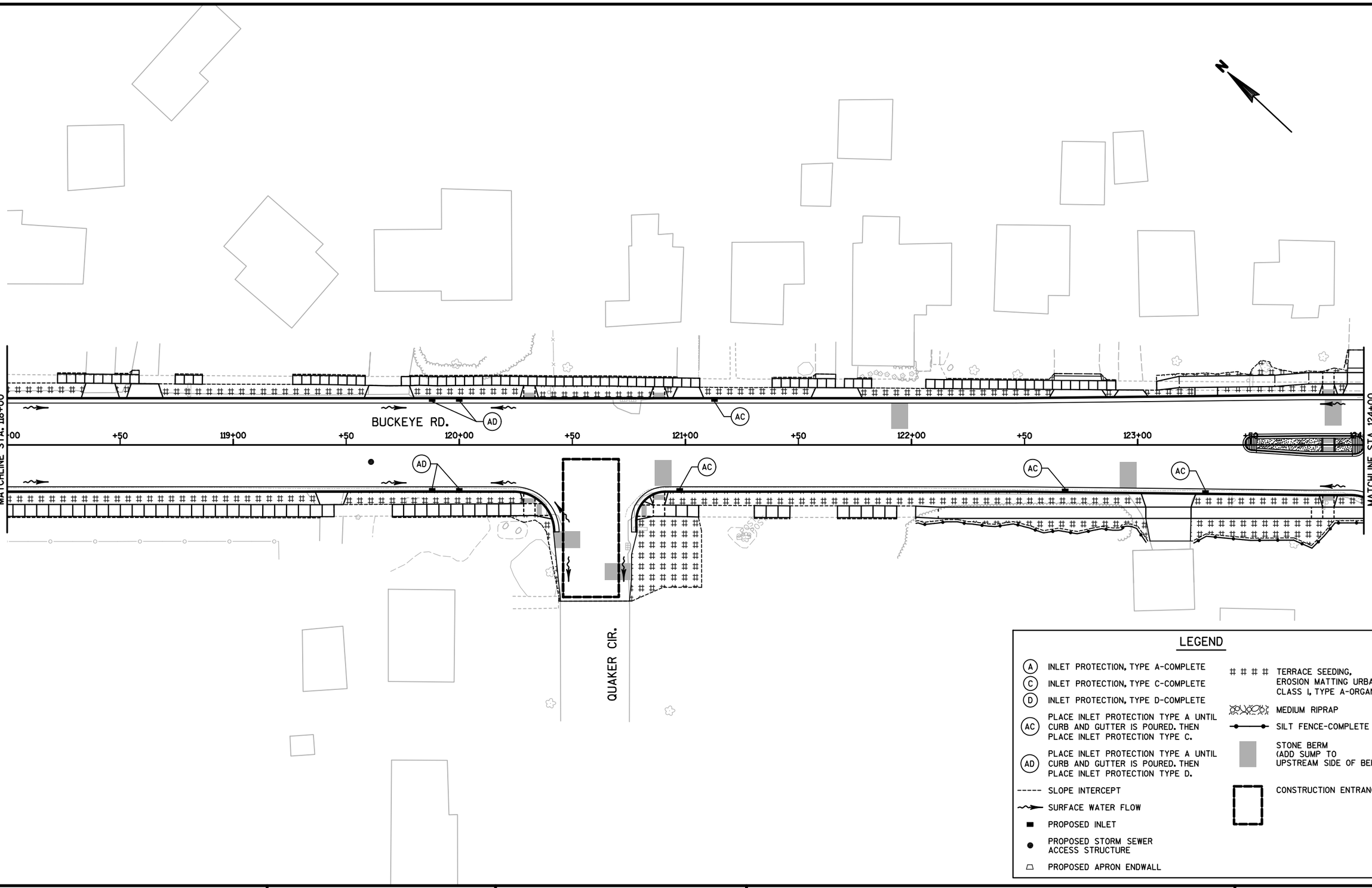
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- ----- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER ACCESS STRUCTURE
- PROPOSED APRON ENDWALL
- # # # # TERRACE SEEDING, EROSION MATTING URBAN CLASS I, TYPE A-ORGANIC
- MEDIUM RIPRAP
- SILT FENCE-COMPLETE
- STONE BERM (ADD SUMP TO UPSTREAM SIDE OF BERM
- CONSTRUCTION ENTRANCE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EROSION CONTROL PLANS	SHEET EC-3	E

2



LEGEND

- (A) INLET PROTECTION, TYPE A-COMPLETE
- (C) INLET PROTECTION, TYPE C-COMPLETE
- (D) INLET PROTECTION, TYPE D-COMPLETE
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
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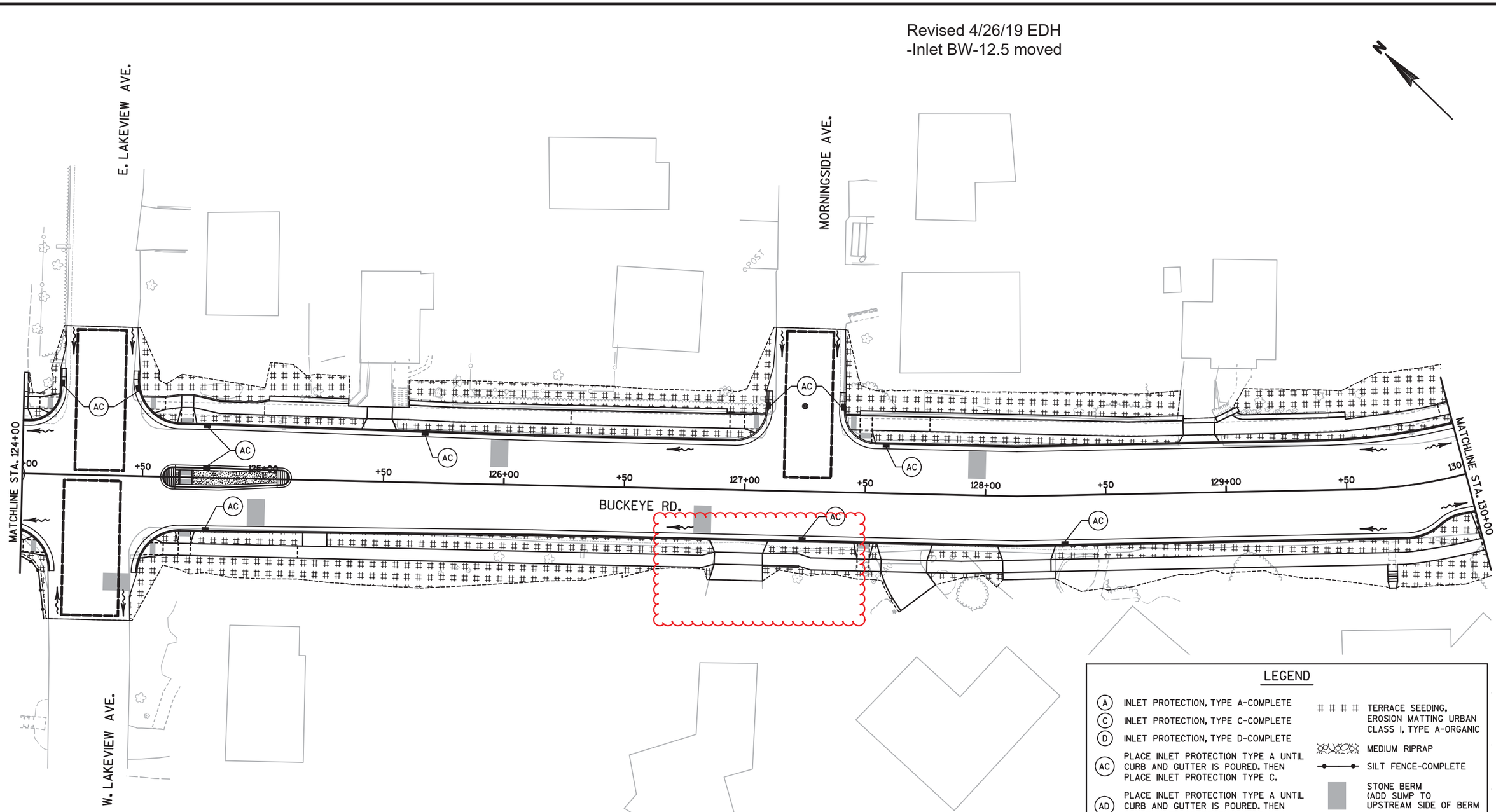
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER ACCESS STRUCTURE
- PROPOSED APRON ENDWALL
- # # # # TERRACE SEEDING, EROSION MATTING URBAN CLASS I, TYPE A-ORGANIC
- MEDIUM RIPRAP
- SILT FENCE-COMPLETE
- STONE BERM (ADD SUMP TO UPSTREAM SIDE OF BERM
- CONSTRUCTION ENTRANCE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EROSION CONTROL PLANS	SHEET EC-4	E

REVISED SHEETS - 7/22/19

Revised 4/26/19 EDH
-Inlet BW-12.5 moved



LEGEND

- (A) INLET PROTECTION, TYPE A-COMPLETE
- (C) INLET PROTECTION, TYPE C-COMPLETE
- (D) INLET PROTECTION, TYPE D-COMPLETE
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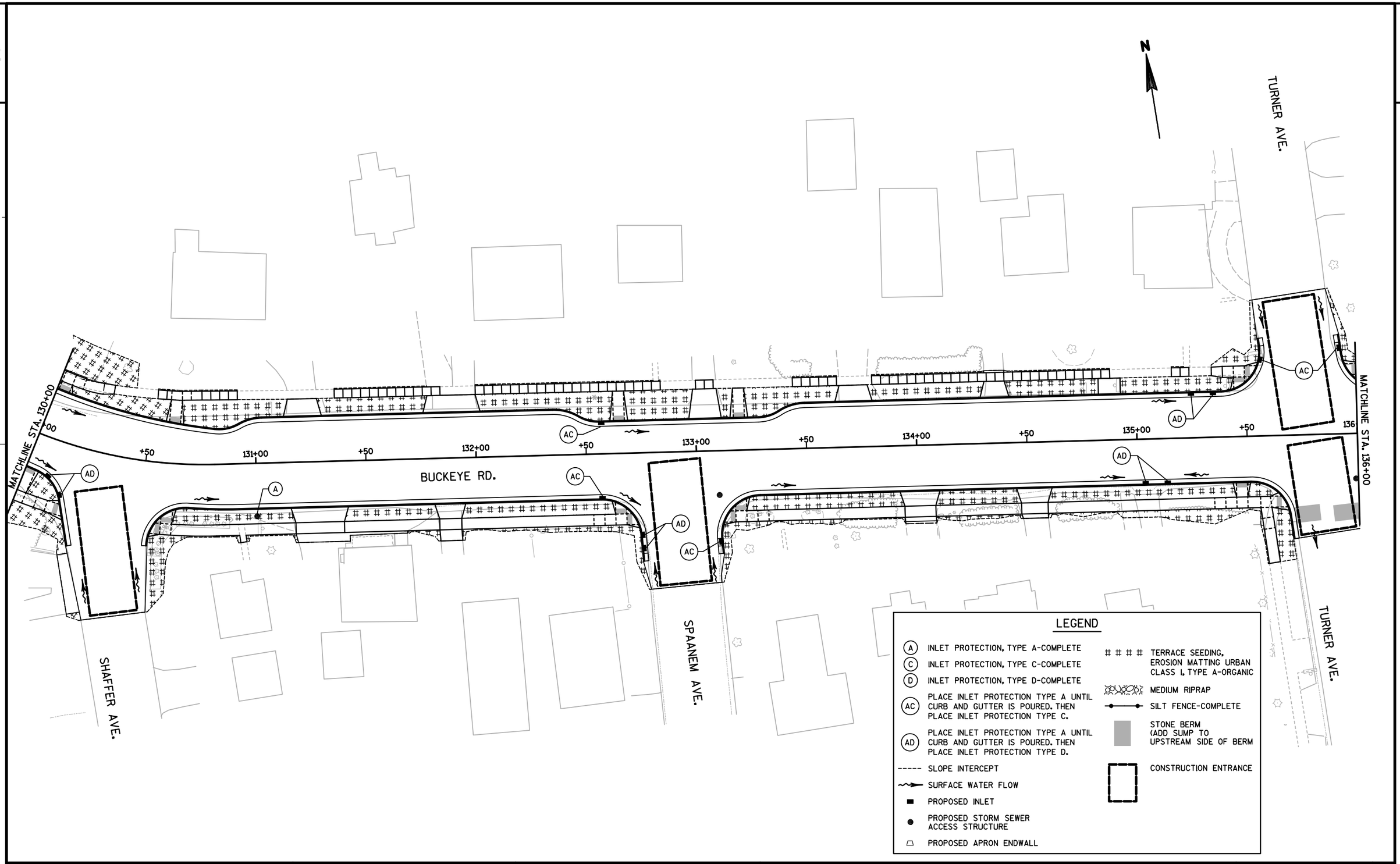
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER ACCESS STRUCTURE
- PROPOSED APRON ENDWALL
- # # # # TERRACE SEEDING, EROSION MATTING URBAN CLASS I, TYPE A-ORGANIC
- MEDIUM RIPRAP
- SILT FENCE-COMPLETE
- STONE BERM (ADD SUMP TO UPSTREAM SIDE OF BERM
- CONSTRUCTION ENTRANCE

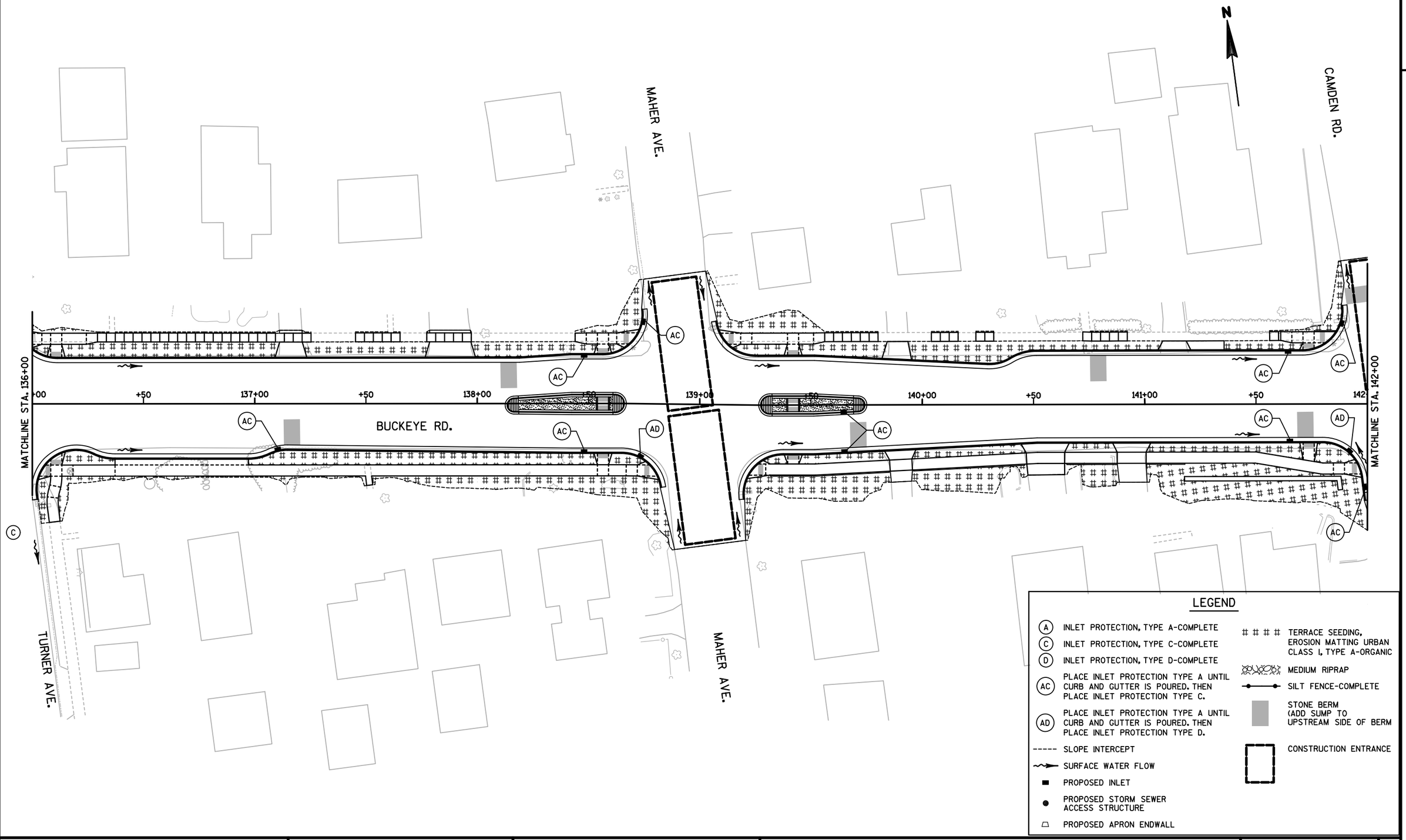
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EROSION CONTROL PLANS	SHEET EC-5	E

2



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EROSION CONTROL PLANS	SHEET EC-6	E

2



LEGEND

- (A) INLET PROTECTION, TYPE A-COMPLETE
- (C) INLET PROTECTION, TYPE C-COMPLETE
- (D) INLET PROTECTION, TYPE D-COMPLETE
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
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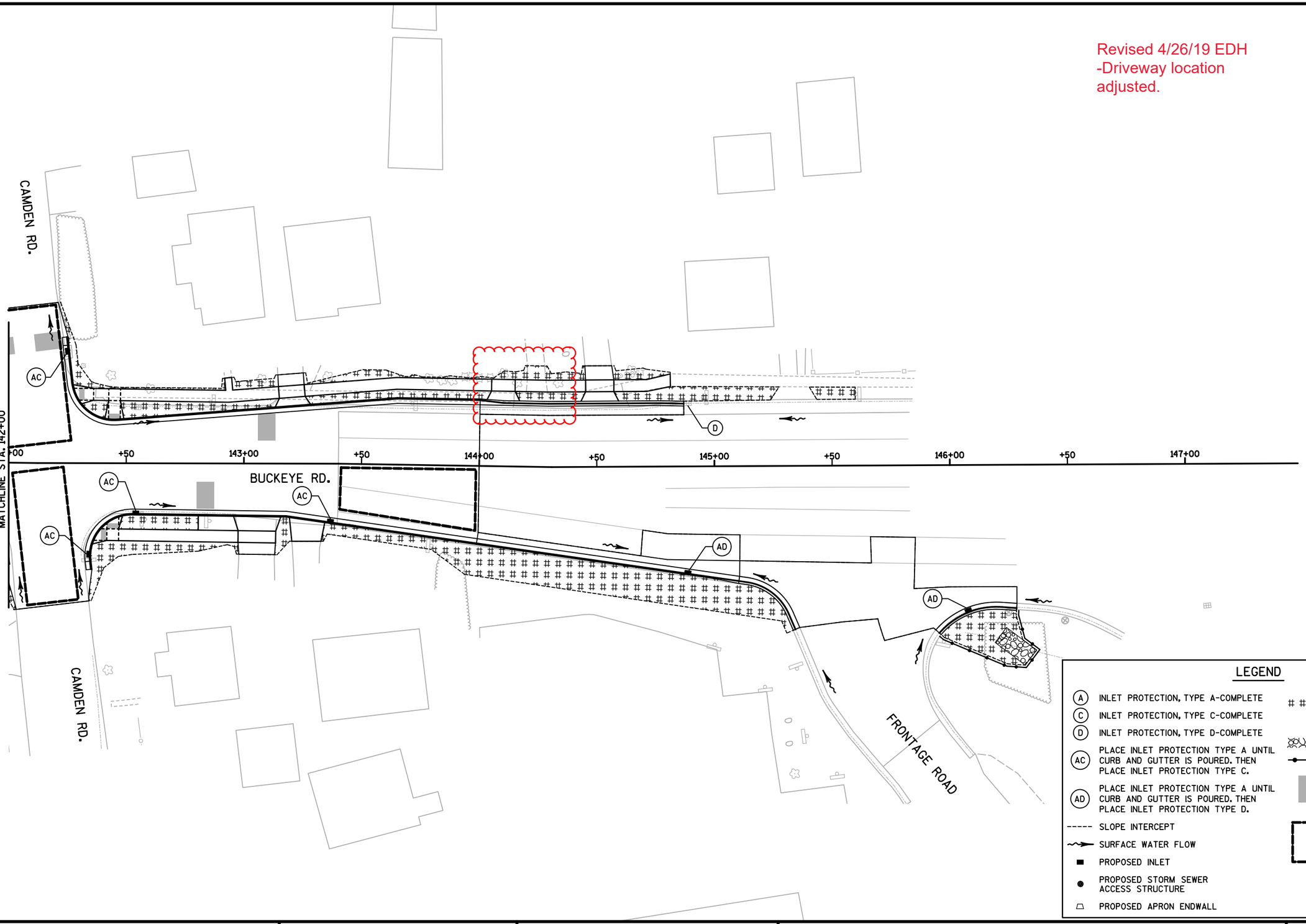
- ----- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER ACCESS STRUCTURE
- PROPOSED APRON ENDWALL
- # # # # TERRACE SEEDING, EROSION MATTING URBAN CLASS I, TYPE A-ORGANIC
- MEDIUM RIPRAP
- SILT FENCE-COMPLETE
- STONE BERM (ADD SUMP TO UPSTREAM SIDE OF BERM
- CONSTRUCTION ENTRANCE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EROSION CONTROL PLANS	SHEET EC-7	E

Revised 4/26/19 EDH
-Driveway location
adjusted.



LEGEND

- (A) INLET PROTECTION, TYPE A-COMPLETE
- (C) INLET PROTECTION, TYPE C-COMPLETE
- (D) INLET PROTECTION, TYPE D-COMPLETE
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
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- ----- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER ACCESS STRUCTURE
- PROPOSED APRON ENDWALL
- # # # # TERRACE SEEDING, EROSION MATTING URBAN CLASS I, TYPE A-ORGANIC
- MEDIUM RIPRAP
- SILT FENCE-COMPLETE
- STONE BERM (ADD SUMP TO UPSTREAM SIDE OF BERM
- CONSTRUCTION ENTRANCE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EROSION CONTROL PLANS	SHEET EC-8	E

FINISHING ITEMS

STATION - STATION	LOCATION	20221 TOPSOIL SY	20701 TERRACE SEEDING SY
100+91 - 109+50	RT/LT	1,050	1,050
109+50 - 116+00	RT/LT	270	270
116+00 - 123+00	RT/LT	780	780
123+00 - 131+00	RT/LT	1,800	1,800
131+00 - 138+00	RT/LT	960	960
138+00 - 146+28	RT/LT	1,350	1,350
UNDISTRIBUTED	---	1,550	1,550
TOTALS		7,760	7,760

EROSION MATTING, CLASS I, TYPE A - ORGANIC

STATION - STATION	LOCATION	21063 SY
100+91 - 109+50	RT/LT	1,050
109+50 - 116+00	RT/LT	270
116+00 - 123+00	RT/LT	780
123+00 - 131+00	RT/LT	1,800
131+00 - 138+00	RT/LT	960
138+00 - 146+28	RT/LT	1,350
SUBTOTAL		6,210
UNDISTRIBUTED		1,553
TOTAL		7,763

RIPRAP ITEMS

STATION	LOCATION	20227 MEDIUM RIPRAP CY	20233 RIPRAP FILTER FABRIC, TYPE HR SY
146+28	RT	7	22

CONSTRUCTION ENTRANCE

LOCATION	21011 EACH
BUCKEYE ROAD	17

STREET CONSTRUCTION STONE BERM

LOCATION	21015 EACH
BUCKEYE ROAD	34

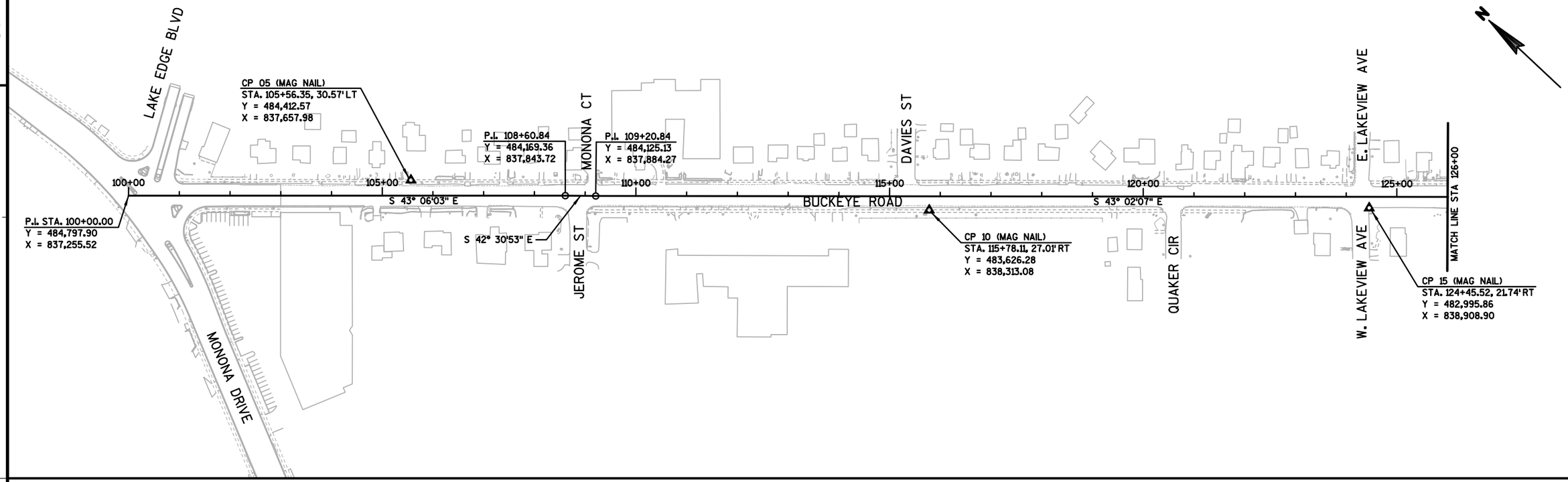
SILT FENCE - COMPLETE

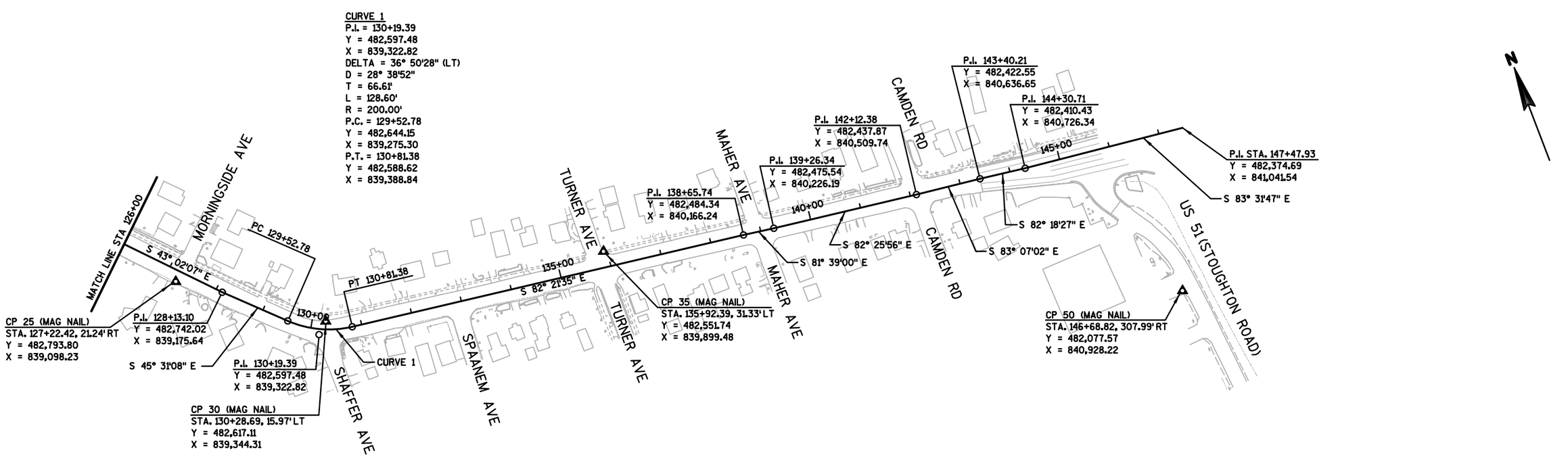
STATION - STATION	LOCATION	21021 LF
122+02 - 123+04	RT	110
123+25 - 124+10	RT	110
145+95 - 146+38	RT	70
SUBTOTALS		290
UNDISTRIBUTED		100
TOTAL		390

INLET PROTECTION SUMMARY

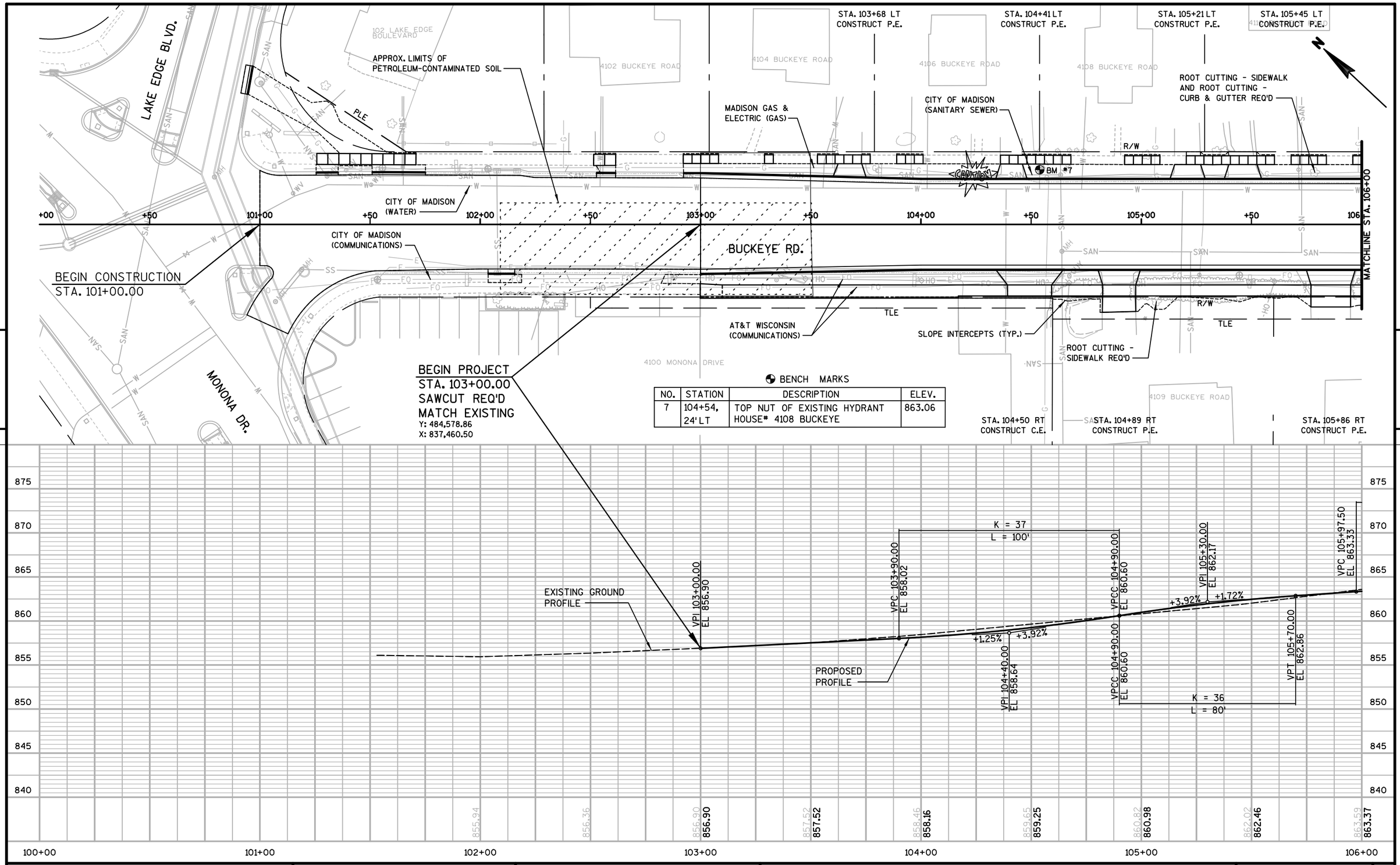
STATION - STATION	LOCATION	21045 TYPE A COMPLETE EACH	21031 TYPE C COMPLETE EACH	21041 TYPE D COMPLETE EACH
100+91 - 109+50	RT/LT	14	12	4
109+50 - 116+00	RT/LT	7	4	3
116+00 - 123+00	RT/LT	9	5	4
123+00 - 131+00	RT/LT	14	12	2
131+00 - 138+00	RT/LT	13	7	6
138+00 - 146+28	RT/LT	17	13	5
SUBTOTALS		74	53	24
UNDISTRIBUTED	---	19	13	6
TOTALS		93	66	30

2





PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	ALIGNMENT DATA AND CONTROL POINT SHEET	SHEET A-1	E



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET PLAN & PROFILES	SHEET P-1	E

STA. 106+69 LT
CONSTRUCT P.E.

STA. 107+40 LT
CONSTRUCT P.E.

STA. 108+14 LT
CONSTRUCT P.E.

STA. 109+67 LT
CONSTRUCT P.E.

STA. 110+50 LT
CONSTRUCT P.E.

4112 BUCKEYE ROAD
4114 BUCKEYE ROAD
4116 BUCKEYE ROAD
4118 BUCKEYE ROAD
4200 BUCKEYE ROAD

ROOT CUTTING - SIDEWALK AND ROOT CUTTING - CURB & GUTTER REQ'D

CITY OF MADISON (WATER)

MADISON GAS & ELECTRIC (GAS)

MONONA CT

R/W

TLE

CAUTION

BM #6

MATCHLINE STA. 106+00

MATCHLINE STA. 112+00

00 +50 107+00 +50 108+00 +50 109+00 +50 110+00 +50 111+00 +50 112

BUCKEYE RD.

CITY OF MADISON (SANITARY SEWER)

CITY OF MADISON (COMMUNICATIONS)

SLOPE INTERCEPTS (TYP.)

AT&T WISCONSIN (COMMUNICATIONS)

MADISON GAS & ELECTRIC (ELECTRIC)

JEROME ST.

4111 BUCKEYE ROAD
4113 BUCKEYE ROAD
4115 BUCKEYE ROAD
4201 BUCKEYE ROAD

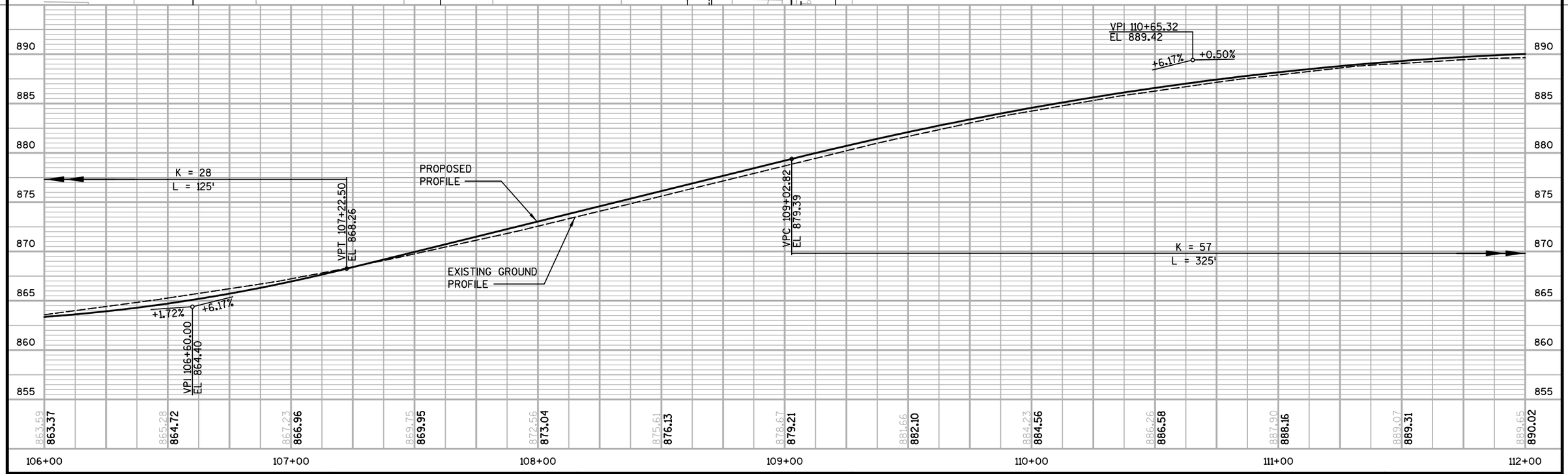
STA. 107+00 RT
CONSTRUCT P.E.

PROTECT EXISTING LANDSCAPING WALL

METROPOLITAN UNIFIED FIBER NETWORK (COMMUNICATIONS)

BENCH MARKS

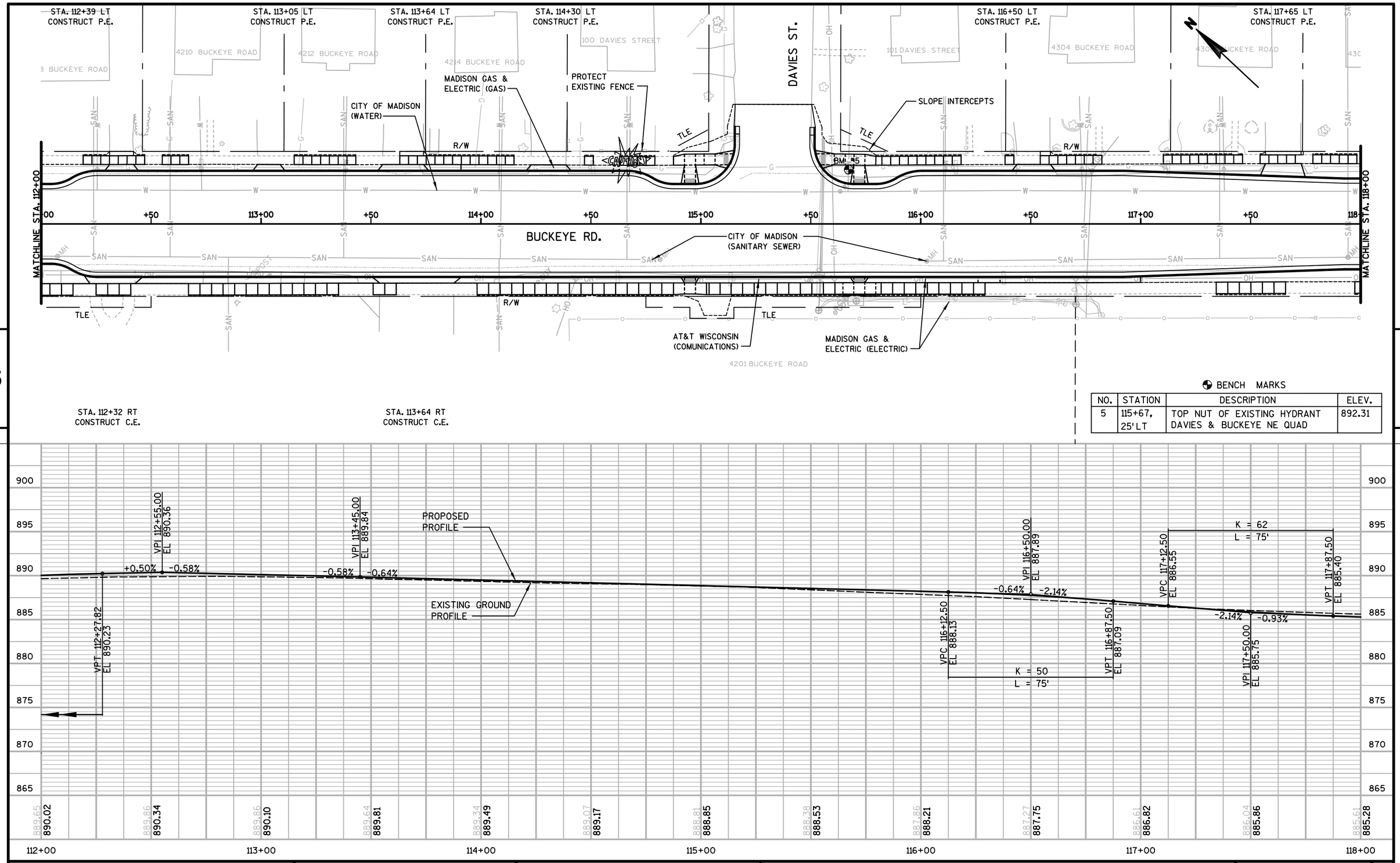
NO.	STATION	DESCRIPTION	ELEV.
6	109+27, 22' LT	TOP NUT OF EXISTING HYDRANT MONONA CT & BUCKEYE NE QUAD	884.08



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET PLAN & PROFILES	SHEET P-2	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022302_pp.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 30



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
5	115+67, 25'LT	TOP NUT OF EXISTING HYDRANT DAVIES & BUCKEYE NE QUAD	892.31

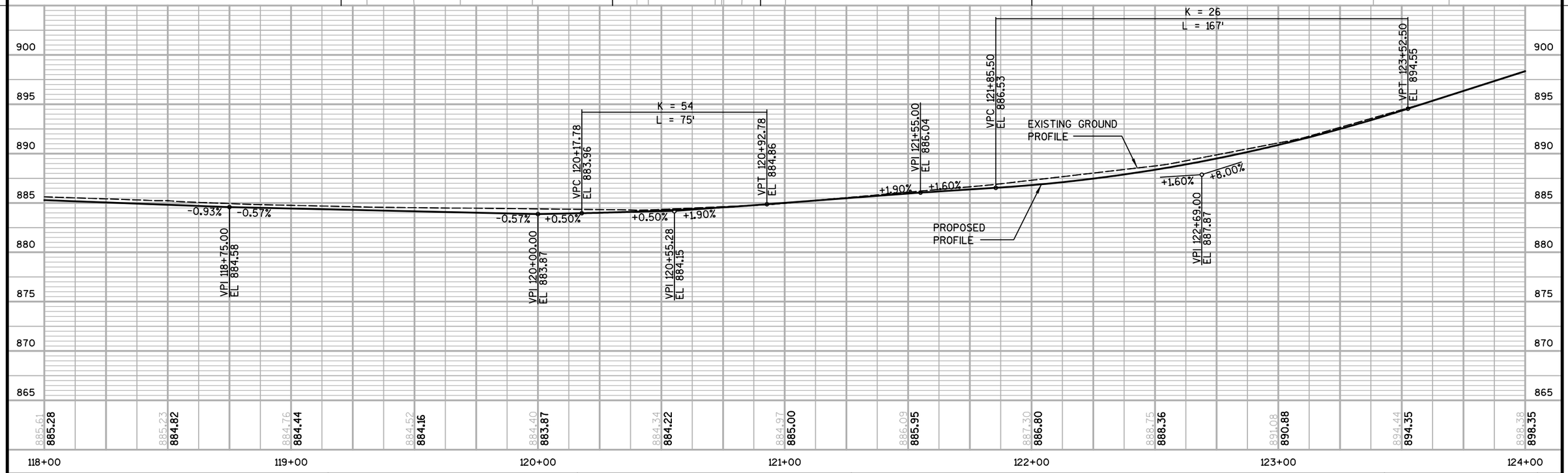
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET PLAN & PROFILES	SHEET P-3	E

STA. 118+41 LT CONSTRUCT P.E.
STA. 118+62 LT CONSTRUCT P.E.
STA. 119+69 LT CONSTRUCT P.E.
STA. 121+00 LT CONSTRUCT P.E.
STA. 121+62 LT CONSTRUCT P.E.
STA. 121+71 LT CONSTRUCT P.E.
STA. 122+73 LT CONSTRUCT P.E.
STA. 122+96 LT CONSTRUCT P.E.
STA. 123+96 LT CONSTRUCT P.E.

4312 BUCKEYE ROAD
4314 BUCKEYE ROAD
4318 BUCKEYE ROAD
4320 BUCKEYE ROAD
4322 BUCKEYE ROAD
4324 BUCKEYE ROAD
4326 BUCKEYE ROAD
4328 BUCKEYE ROAD

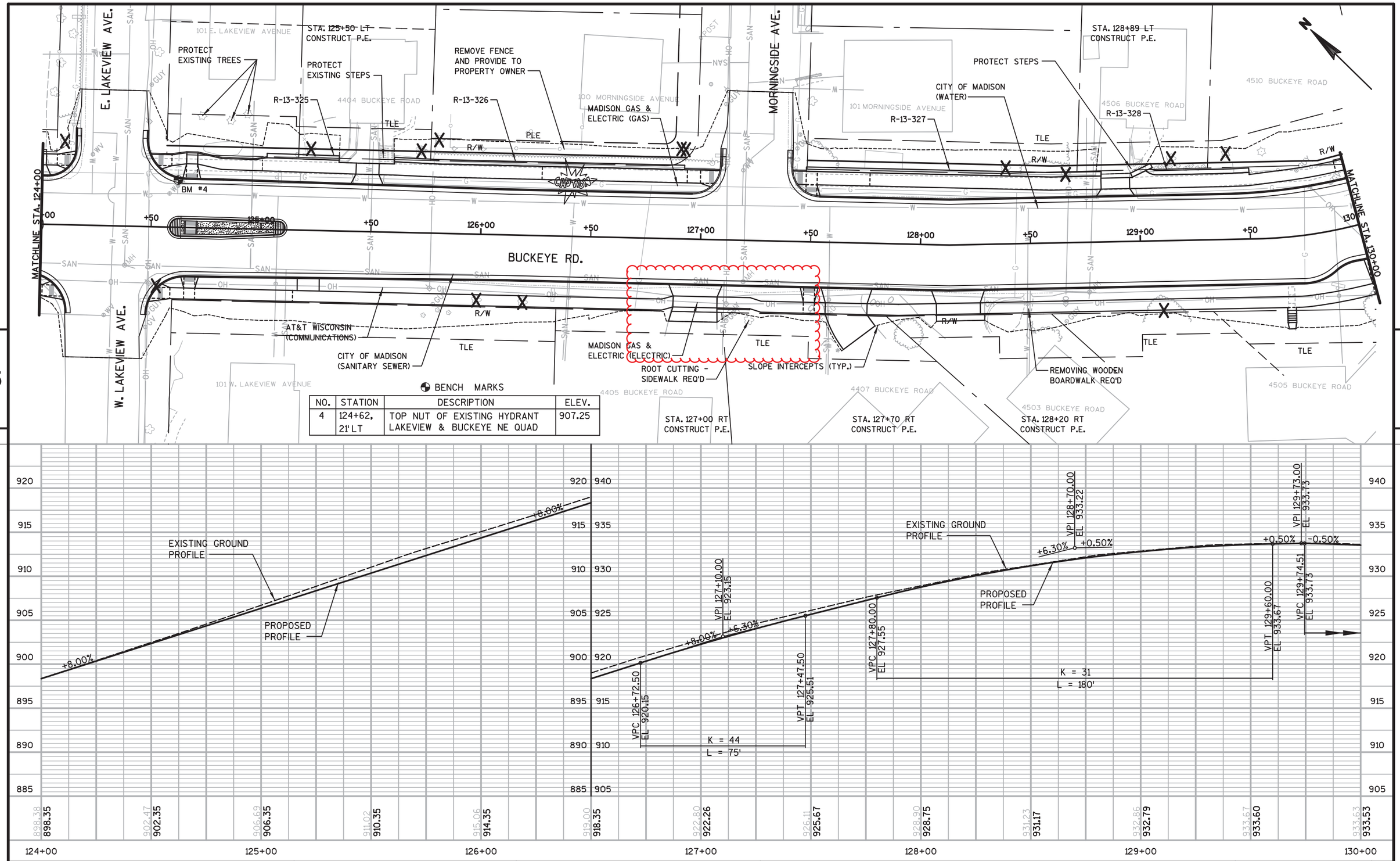
CITY OF MADISON (WATER)
MADISON GAS & ELECTRIC (GAS)
ROOT CUTTING - SIDEWALK REQ'D
TLE
R/W
CAUTION
BUCKEYE RD.
MATCHLINE STA. 118+00
MATCHLINE STA. 124+00
118+00 +50 119+00 +50 120+00 +50 121+00 +50 122+00 +50 123+00
CITY OF MADISON (SANITARY SEWER)
AT&T WISCONSIN (COMMUNICATIONS)
TLE
R/W
MADISON GAS & ELECTRIC (ELECTRIC)
TLE
R/W
TLE
CITY OF MADISON (WATER)
102 W. LAKEVIEW AVENUE
SLOPE INTERCEPTS (TYP.)
4201 BUCKEYE ROAD
100 QUAKER CIRCLE
QUAKER CIR.
111 QUAKER CIRCLE
STA. 119+42 RT CONSTRUCT P.E.
STA. 123+15 RT CONSTRUCT P.E.

5
5



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET PLAN & PROFILES	SHEET P-4	E

REVISED SHEETS - 7/22/19



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
4	124+62, 21' LT	TOP NUT OF EXISTING HYDRANT LAKEVIEW & BUCKEYE NE QUAD	907.25

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET PLAN & PROFILES	SHEET P-5	E

BENCH MARKS

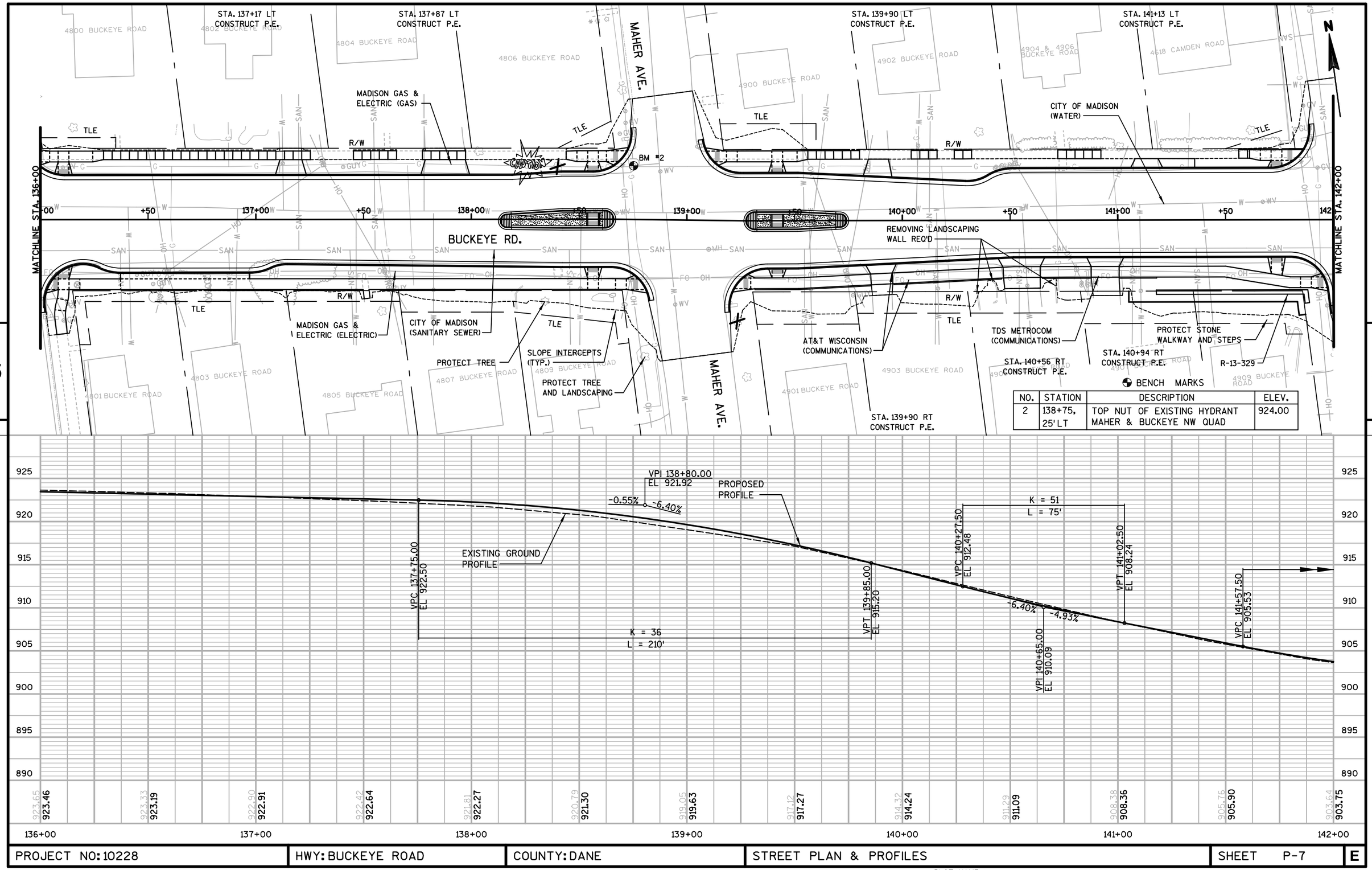
NO.	STATION	DESCRIPTION	ELEV.
3	133+32, 26'LT	TOP NUT OF EXISTING HYDRANT SPAANEM & BUCKEYE NE QUAD	930.44

STA. 131+88 LT CONSTRUCT P.E.
STA. 131+95 LT CONSTRUCT P.E.
STA. 133+04 LT CONSTRUCT P.E.
STA. 133+72 LT CONSTRUCT P.E.
STA. 134+36 LT CONSTRUCT P.E.
STA. 131+22 LT CONSTRUCT P.E.
4516 BUCKEYE ROAD
4602 BUCKEYE ROAD
4604 BUCKEYE ROAD
4606 BUCKEYE ROAD
4700 BUCKEYE ROAD
4704 BUCKEYE ROAD
4706 BUCKEYE ROAD
MADISON GAS & ELECTRIC (GAS)
CITY OF MADISON (WATER)
TURNER AVE.
MATCHLINE STA. 130+00
MATCHLINE STA. 136+00
R/W
TLE
BM #3
CAUTION
130+00
131+00
+50
132+00
133+00
134+00
135+00
136
BUCKEYE RD.
SHAFFER AVE.
SPAANEM AVE.
CITY OF MADISON (SANITARY SEWER)
SLOPE INTERCEPTS (TYP.)
MADISON GAS & ELECTRIC (ELECTRIC)
AT&T WISCONSIN (COMMUNICATIONS)
TDS METROCOM (COMMUNICATIONS)
4601 BUCKEYE ROAD
4603 BUCKEYE ROAD
4605 BUCKEYE ROAD
4701 SPAANEM AVENUE
4702 SPAANEM AVENUE
4703 BUCKEYE ROAD
4705 BUCKEYE ROAD
4707 BUCKEYE ROAD
SALAVGE FENCE AND PROVIDE TO PROPERTY OWNER
STA. 131+29 RT CONSTRUCT C.E.
STA. 131+88 RT CONSTRUCT P.E.
STA. 134+00 RT CONSTRUCT P.E.
STA. 134+54 RT CONSTRUCT P.E.
N

EXISTING GROUND PROFILE
PROPOSED PROFILE
VPI 130+12.01 EL 933.54
VPT 130+49.51 EL 932.72
VPI 131+50.00 EL 930.52
VPC 132+07.50 EL 929.11
VPT 132+45.00 EL 928.20
VPT 132+82.50 EL 927.54
VPC 133+12.50 EL 927.01
VPI 133+50.00 EL 926.35
VPT 133+87.50 EL 925.42
VPC 134+23.20 EL 924.54
VPI 134+60.70 EL 923.62
VPT 134+98.20 EL 923.43
VPI 135+03.44 EL 923.40
VPI 135+60.00 EL 923.69
K = 44
L = 75'
K = 111
L = 75'
K = 106
L = 75'
K = 38
L = 75'
-0.50%
-2.19%
-2.44%
-1.76%
-2.47%
-0.50%
+0.50%
-0.55%
940
935
930
925
920
915
910
905
933.63 933.53
932.88 932.71
931.67 931.61
930.43 930.52
929.29 929.30
928.32 928.16
927.41 927.23
926.63 926.28
925.69 925.12
924.86 923.98
924.22 923.42
923.86 923.64
923.65 923.46
130+00
131+00
132+00
133+00
134+00
135+00
136+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET PLAN & PROFILES	SHEET P-6	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022306_pp.dgn
PLOT DATE : 4/12/2019
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 30



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
2	138+75, 25' LT	TOP NUT OF EXISTING HYDRANT MAHER & BUCKEYE NW QUAD	924.00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET PLAN & PROFILES	SHEET P-7	E

Revised 4/26/19 EDH
-Driveway location adjusted and additional tree removal added.

STA. 143+20 LT CONSTRUCT P.E.
STA. 144+10 LT CONSTRUCT P.E.
STA. 144+24 LT REMOVE P.E.
STA. 144+50 LT CONSTRUCT P.E.
PROTECT TREE
SLOPE INTERCEPTS (TYP.)
TLE
R/W
MADISON GAS & ELECTRIC (GAS)
CITY OF MADISON (WATER)
CAMDEN RD.
MATCHLINE STA. 142+00
BUCKEYE RD.
CITY OF MADISON (SANITARY SEWER)
END CONSTRUCTION STA. 146+28.26
BM *1
MADISON GAS & ELECTRIC (ELECTRIC)
AT&T WISCONSIN (COMMUNICATIONS)
TDS METROCOM (COMMUNICATIONS)
WISDOT (ELECTRIC)
STA. 143+06 RT CONSTRUCT P.E.
STA. 143+27 RT CONSTRUCT P.E.
END PROJECT STA. 144+00.00 MATCH EXISTING

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	142+35, 32' RT	TOP NUT OF EXISTING HYDRANT CAMDEN & BUCKEYE SE QUAD	907.02

K = 28
L = 125'
VPT 142+82.50
EL 902.13
VPI 144+00.00
EL 901.52
PROPOSED PROFILE
EXISTING GROUND PROFILE
-4.93%
-0.52%
VPI 142+20.00
EL 902.45

903.64 903.75 902.46 902.48 901.98 902.03 901.68 901.78 901.52 901.52 901.32 901.28 901.50

915 910 905 900 895 890 885 880

142+00 143+00 144+00 145+00 146+00 147+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET PLAN & PROFILES	SHEET P-8	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022308_pp.dgn PLOT DATE : 4/26/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 30

Revised 4/26/19 EDH
-Additional tree removal added which eliminated a location of root cutting.

3

3

ROOT CUTTING

STATION	LOCATION	10801 ROOT CUTTING - CURB & GUTTER LF	10802 ROOT CUTTING - SIDEWALK LF
105+07	RT	---	15
105+79	LT	15	15
106+12	LT	15	15
123+56	LT	---	15
127+25	RT	---	15
UNDISTRIBUTED	---	30	30
	TOTALS	60	105

FIELD OFFICE

PROJECT	10901 EACH
10228	1

SAWING

STATION - STATION	LOCATION	20303 SAWCUT ASPHALT PAVEMENT LF	20301 SAWCUT CONCRETE PAVEMENT, FULL DEPTH LF
100+91 - 109+50	RT/LT	130	---
109+50 - 116+00	RT/LT	35	---
116+00 - 123+00	RT/LT	31	---
123+00 - 131+00	RT/LT	120	---
131+00 - 138+00	RT/LT	94	---
138+00 - 146+28	RT/LT	125	495
UNDISTRIBUTED	---	100	50
TOTALS		635	545

REMOVE CONCRETE PAVEMENT

STATION - STATION	LOCATION	20321 SY
116+00 - 123+00	LT/RT	8
138+00 - 146+28	LT/RT	780
	TOTAL	788

REMOVE CONCRETE CURB & GUTTER

STATION - STATION	LOCATION	20322 LF
100+94 - 101+75	LT	45
102+04 - 104+65	RT	180
135+72	RT	8
136+00 - 136+01	RT	7
144+00 - 144+87	LT	85
	TOTAL	325

REMOVE CONCRETE SIDEWALK & DRIVE

STATION - STATION	LOCATION	20323 SF
100+91 - 109+50	LT/RT	2,600
109+50 - 116+00	LT/RT	4,310
116+00 - 123+00	LT/RT	3,670
123+00 - 131+00	LT/RT	4,020
131+00 - 138+00	LT/RT	2,050
138+00 - 146+28	LT/RT	2,140
		18,790
UNDISTRIBUTED		940
	TOTAL	19,730

REMOVE GUARD RAIL

STATION - STATION	LOCATION	20325 LF
130+57 - 130+89	RT	70

REMOVE FENCE

STATION - STATION	LOCATION	20326 LF
107+14 - 107+18	RT	8
115+63 - 115+80	LT	15
125+19	LT	8
125+85 - 126+45	LT	65
129+43 - 131+15	LT	75
132+24 - 132+64	RT	45
	TOTAL	216

CLEARING AND GRUBBING

STATION	LOCATION	20401 CLEARING ID	20406 GRUBBING ID
108+85	LT	3	3
124+10	LT	20	20
124+53	RT	18	18
125+16	LT	---	32
125+22	LT	33	33
125+72	LT	40	40
125+80	LT	10	10
125+88	LT	---	14
125+99	RT	24	24
126+01	LT	---	17
126+20	RT	3	3
126+91	LT	27	27
126+92	LT	24	24
128+39	LT	42	42
128+67	LT	36	36
129+10	RT	12	12
129+15	LT	6	6
129+39	LT	12	12
130+26	LT	30	30
138+40	LT	4	4
139+24	RT	24	24
142+60	LT	30	30
143+07	LT	16	16
143+36	LT	16	16
143+78	LT	16	16
143+84	LT	16	16
143+88	LT	16	16
143+93	LT	3	3
143+96	LT	3	3
144+00	LT	3	3
144+04	LT	3	3
144+10	LT	36	36
144+16	LT	24	24
144+34	LT	24	24
144+65	LT	36	36
TOTALS		610	673

CURB & GUTTER

STATION - STATION	LOCATION	30206 TYPE 'G' CONCRETE CURB & GUTTER LF	90007 CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D LF	90010 SIDEWALK CURB LF	30207 TYPE 'H' CONCRETE CURB & GUTTER LF	30201 TYPE 'A' CONCRETE CURB & GUTTER LF	30203 TYPE 'X' CONCRETE CURB & GUTTER LF	90008 CONCRETE CURB & GUTTER INTEGRAL 24-INCH TYPE D SPECIAL LF	90009 CONCRETE CURB & GUTTER 36-INCH TYPE A SPECIAL VERTICAL FACE LF	30208 HAND FORMED CONCRETE CURB & GUTTER (TREE LOCATIONS) LF
100+91 - 109+50	RT/LT	47	---	22	---	1,190	160	---	---	12
109+50 - 116+00	RT/LT	---	---	15	---	1,100	210	---	---	---
116+00 - 123+00	RT/LT	---	---	---	---	1,190	190	---	---	---
123+00 - 131+00	RT/LT	---	---	115	170	1,480	100	---	---	---
131+00 - 138+00	RT/LT	---	---	---	---	1,250	150	---	---	---
138+00 - 146+28	RT/LT	---	115	180	160	910	265	87	70	---
UNDISTRIBUTED		---	---	---	---	---	---	---	---	12
TOTALS		47	115	332	330	7,120	1,075	87	70	24

CONCRETE SIDEWALK & DRIVEWAYS

STATION - STATION	LOCATION	30301 5 INCH CONCRETE SIDEWALK SF	30302 7 INCH CONCRETE SIDEWALK & DRIVE SF	90005 7 INCH STAMPED & COLORED CONCRETE SF
100+91 - 109+50	RT/LT	4,150	2,150	---
109+50 - 116+00	RT/LT	5,450	1,000	---
116+00 - 123+00	RT/LT	3,800	1,400	---
123+00 - 131+00	RT/LT	7,000	2,450	392
131+00 - 138+00	RT/LT	4,550	2,650	---
138+00 - 146+28	RT/LT	3,800	2,060	364
TOTALS		28,750	11,710	756

Revised 4/26/19 EDH
-Driveway location adjusted and additional tree removal added.

CONCRETE MOUNTABLE MEDIAN ISLAND NOSE

STATION	OFFSET	30311 SF
123+50	MEDIAN	41
123+98	MEDIAN	49
124+61	MEDIAN	49
125+08	MEDIAN	41
138+16	MEDIAN	41
138+64	MEDIAN	49
139+30	MEDIAN	49
139+72	MEDIAN	41
	TOTAL	360

CONCRETE STEPS SUMMARY

STATION	LOCATION	90006 RAILING PIPE LF	30313 CONCRETE STEPS SF
108+78	LT	---	8
129+66	RT	6	15
TOTALS		6	23

EARTHWORK

LOCATION	STATION - STATION	20101 EXCAVATION CUT (1) CUT (2) 5% OF CUT CY	20101 EXCAVATION CUT (1) EBS EXCAVATION (3) CY	SALVAGED PAVEMENT MATERIAL CY	AVAILABLE MATERIAL (4) CY	EXPANDED EBS BACKFILL (5) FACTOR 1.25 CY	UNEXPANDED FILL CY	EXPANDED FILL (6) FACTOR 1.25 CY	MASS ORDINATE +/- (7)	WASTE (8) CY	20219 BREAKER RUN (9) TON	20140 GEOTEXTILE FABRIC TYPE SAS (NON WOVEN) (10) SY
BUCKEYE ROAD	100+94 - 103+00	153	0	0	153	0	0	0	153	153	---	---
	103+00 - 146+28	17,114	856	123	16,991	1,070	865	1,081	15,910	16,979	2,032	1,600
	ITEM TOTALS		18,123								2,032	1,600

1) EXCAVATION CUT IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 20101.
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
3) EBS EXCAVATION TO BE BACKFILLED WITH BREAKER RUN.
4) AVAILABLE MATERIAL = CUT - SALVAGED PAVEMENT MATERIAL.
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BREAKER RUN. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) EXPANDED FILL = (UNEXPANDED FILL)* EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.25.
7) MASS ORDINATE: MASS ORDINATE = CUT - SALVAGED PAVEMENT MATERIAL - EXPANDED FILL
PLUS MASS ORDINATE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS MASS ORDINATE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
8) WASTE = MASS ORDINATE + EXPANDED EBS BACKFILL
9) BREAKER RUN IS USED FOR BACKFILL OF EBS.
10) USED IN EBS AREAS.

CURB RAMP DETECTABLE WARNING FIELDS

STATION - STATION	LOCATION	30340 SF
100+91 - 109+50	RT/LT	80
109+50 - 116+00	RT/LT	80
116+00 - 123+00	RT/LT	60
123+00 - 131+00	RT/LT	224
131+00 - 138+00	RT/LT	140
138+00 - 146+28	RT/LT	200
TOTAL		784

CRUSHED AGGREGATE BASE COURSE

STATION - STATION	LOCATION	40102 CRUSHED AGGREGATE BASE COURSE GRADATION NO. 3 TON	40102 CRUSHED AGGREGATE BASE COURSE GRADATION NO. 2 TON	*40101 CRUSHED AGGREGATE BASE COURSE GRADATION NO. 1 TON
100+91.39 - 109+50	RT/LT	65	2,250	1,900
109+50 - 116+00	RT/LT	80	1,750	1,900
116+00 - 123+00	RT/LT	60	1,800	1,900
123+00 - 131+00	RT/LT	120	2,250	2,350
131+00 - 138+00	RT/LT	80	1,900	1,950
138+00 - 146+28.26	RT/LT	65	2,000	1,950
SUBTOTALS		470	11,950	11,950
TOTALS		12,420		11,950

*SEE UNDERDRAIN FOR ADDITIONAL QUANTITIES

3

ASPHALTIC ITEMS

STATION - STATION	LOCATION	40218 TACK COAT GAL	40203 HMA PAVEMENT 3 MT 58-28 S TON	40205 HMA PAVEMENT 4 MT 58-28 H TON	40232 ASPHALT DRIVE & TERRACE TON
100+91 - 109+50	RT/LT	215	780	470	11
109+50 - 116+00	RT/LT	160	575	355	1
116+00 - 123+00	RT/LT	160	570	350	2
123+00 - 131+00	RT/LT	195	705	435	7
131+00 - 138+00	RT/LT	165	595	365	4
138+00 - 146+28	RT/LT	165	580	360	6
TOTALS		1,060	3,805	2,335	31

NOTE: A CONVERSION FACTOR OF 110 LBS/SY/IN WAS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

9-INCH CONCRETE PAVEMENT

STATION - STATION	LOCATION	40402 SY
143+99.66 - 146+28.26	RT/LT	390

REMOVING LANDSCAPING BOULDERS

STATION - STATION	LOCATION	90001 EACH
127+50	RT	2
127+80 - 127+87	RT	2
128+30 - 128+47	RT	10
	TOTAL	14

REMOVING RETAINING WALL

STATION - STATION	LOCATION	90002 SF	REMARKS
125+18 - 125+35	LT	90	STONE BLOCK WALL; AVERAGE EXPOSED HEIGHT APPROX. 5 FEET
125+60 - 127+06	LT	510	STONE BLOCK WALL WITH CONCRETE FACING; AVERAGE EXPOSED HEIGHT APPROX. 3.5 FEET
127+44 - 128+80	LT	680	STONE BLOCK WALL WITH CONCRETE FACING; AVERAGE EXPOSED HEIGHT APPROX. 5 FEET
128+96 - 129+43	LT	240	STONE BLOCK WALL WITH CONCRETE FACING; AVERAGE EXPOSED HEIGHT APPROX. 5 FEET
	TOTAL	1,520	

REMOVING LANDSCAPING WALL

STATION - STATION	LOCATION	90003 SF	REMARKS
140+35	RT	8	MODULAR BLOCK; AVERAGE EXPOSED HEIGHT APPROX. 1.5 FOOT
127+80 - 127+87	RT	13	MODULAR BLOCK; AVERAGE EXPOSED HEIGHT APPROX. 2.5 FEET
140+71	RT	25	MODULAR BLOCK; AVERAGE EXPOSED HEIGHT APPROX. 2.5 FEET
140+86	RT	63	BLOCK; AVERAGE EXPOSED HEIGHT APPROX. 4.5 FEET
	TOTAL	108	

REMOVING WOODEN BOARDWALK

STATION	LOCATION	90004 SF
128+50	RT	48

CONSTRUCTION FENCING

STATION - STATION	LOCATION	90011 LF	REMARKS
124+88 - 125+36	LT	60	R-13-325
125+59 - 127+00	LT	150	R-13-326
127+48 - 128+83	LT	150	R-13-327
129+02 - 129+67	LT	70	R-13-328
131+00 - 138+00	RT	80	R-13-329
101+26 - 144+00	RT/LT	320	TREE PROTECTION
101+26 - 144+00	RT/LT	4,250	PEDESTRIAN ROUTING/SAFETY
UNDISTRIBUTED	RT/LT	160	TEMPORARY PEDESTRIAN ACCOMODATIONS
TOTAL		5,240	

TEMPORARY PEDESTRIAN ACCOMMODATION ITEMS

LOCATION	90012 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	90013 TEMPORARY CURB RAMP EACH
UNDISTRIBUTED	500	4

EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

STATION - STATION	LOCATION	90014 TON
102+10 - 103+50	LT & RT	190

REVISED 6/18/19 MDM

LAKE EDGE BLVD.

BUCKEYE ROAD

4104 BUCKEYE ROAD

4106 BUCKEYE ROAD

4108 BUCKEYE ROAD

4109 BUCKEYE ROAD

4100 MONONA DRIVE

MONONA DR.

BUCKEYE RD.

SANITARY SEWER WAS REPLACED WITH 12" DIAMETER HDPE (BY OTHERS) IN 2018.

REMOVE EXISTING SANITARY SEWER EX. SAS 6347-005 SAS-01 4' DIA./ COVER TYP MAD STA. 101+00/64.7'LT

EASEMENT

PROTECT EXISTING SIGNS

REMOVE EXISTING SANITARY SEWER STRUCTURE 6347-020

ABANDON EXISTING SANITARY SEWER. SLURRY BACKFILL WITHIN PROPOSED PAVEMENT LIMITS (TYP.)

ABANDON EXISTING WATER MAIN (TYP.)

SAS-03 4' DIA., COVER TYP MAD STA. 104+49/8.0'LT EXTERNAL SEWER ACCESS JOINT SEAL

REMOVE EXISTING SANITARY SEWER STRUCTURE 6347-019

PROPOSED WATER MAIN (TYP.)

MATCHLINE STA. 106+00

SAS-02 4' DIA., COVER TYP MAD STA. 101+82/9.6'LT EXTERNAL SEWER ACCESS JOINT SEAL SANITARY SEWER INTERNAL CHIMNEY SEAL

SAS-04 4' DIA., COVER TYP MAD STA. 104+64/9.0'RT EXTERNAL SEWER ACCESS JOINT SEAL

REMOVE EXISTING SANITARY SEWER STRUCTURE 6347-018

24 LF - 8" PVC @ 0.83% IE 8" 852.12 INSTALL COMPRESSION COUPLING TO CONNECT TO EXISTING SANITARY SEWER

RECONNECT SANITARY LATERAL 6-IN, SANITARY LATERAL ELECTRONIC MARKERS (TYP.)

PROPOSED STORM SEWER (TYP.)

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

EX. 8" VP SAN.

ABAN EX. 8" VP SAN

EX. 15" RCP STORM

EX SAS 6347-005 RIM 856.02

REM. EX. SAS 6347-020 RIM 855.75

REM. EX SAS 6347-019 RIM 860.47

SAS 04 RIM 859.56

REM. EX SAS 6347-018 RIM 859.85

SAS-01 RIM 856.41

SAS-02 RIM 855.79

SAS-03 RIM 859.43

INSTALL INTERNAL CHIMNEY SEAL AND EXTERNAL SAS JOINT SEAL

INSTALL INTERNAL CHIMNEY SEAL AND EXTERNAL SAS JOINT SEAL

APPROXIMATE FLOW LINE OF EXISTING STORM SEWER

EXISTING GROUND PROFILE

PROPOSED GROUND PROFILE

INSTALL EXTERNAL SAS JOINT SEAL

APPROXIMATE TOP OF EXISTING WATER MAIN

TOP OF PROPOSED WATER MAIN

99 LF - 12" PVC @ 0.27%

268 LF - 12" PVC @ 0.27%

205 LF - 8" PVC @ 2.17%

22 LF - 12" PVC @ 0.36%

FLOW LINE OF PROPOSED STORM SEWER

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED SANITARY SEWER

IE 12" NE 850.55
IE 12" S 850.65

IE 12" SE 851.02
IE 12" N 850.92

IE 12" NW 851.74
IE 12" S 851.84
IE 6" E 851.79 (TAP)

IE 8" SE 852.02
IE 12" N 851.92
IE 8" SW 851.92
IE 8" NE 852.01
IE 8" SW 852.07
IE 8" SE 854.19

IE 8" NE 850.07
IE 8" S 850.32

IE 8" N 850.65
IE 8" S 850.70

IE 8" SW 851.87
IE 8" NW 851.84
IE 6" NE 852.11

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-1	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022419_up.dgn | PLOT DATE : 6/5/2019 | PLOT BY : _username_ | PLOT NAME : | PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

Revised 4/26/19 EDH
-Water main revised

RECONNECT SANITARY LATERAL 6-IN, SANITARY LATERAL ELECTRONIC MARKERS (TYP.)

SAS-06 4' DIA., COVER TYPE MAD STA. 108+78/0.0'RT

PROPOSED WATER MAIN (TYP.)

MONONA CT

MATCHLINE STA. 106+00

MATCHLINE STA. 112+00

BUCKEYE RD.

EX. 8" VP SAN.

REMOVE EXISTING SANITARY SEWER STRUCTURE 6348-003

SAS-05 4' DIA., COVER TYPE MAD STA. 106+69/9.0'RT

REMOVE EXISTING SANITARY SEWER STRUCTURE 6348-001

JEROME ST.

PROPOSED STORM SEWER (TYP.)

ABANDON EXISTING SANITARY SEWER. SLURRY BACKFILL WITHIN PROPOSED PAVEMENT LIMITS (TYP.)

SAS-07 4' DIA., COVER TYPE MAD STA. 111+78/0.0'RT

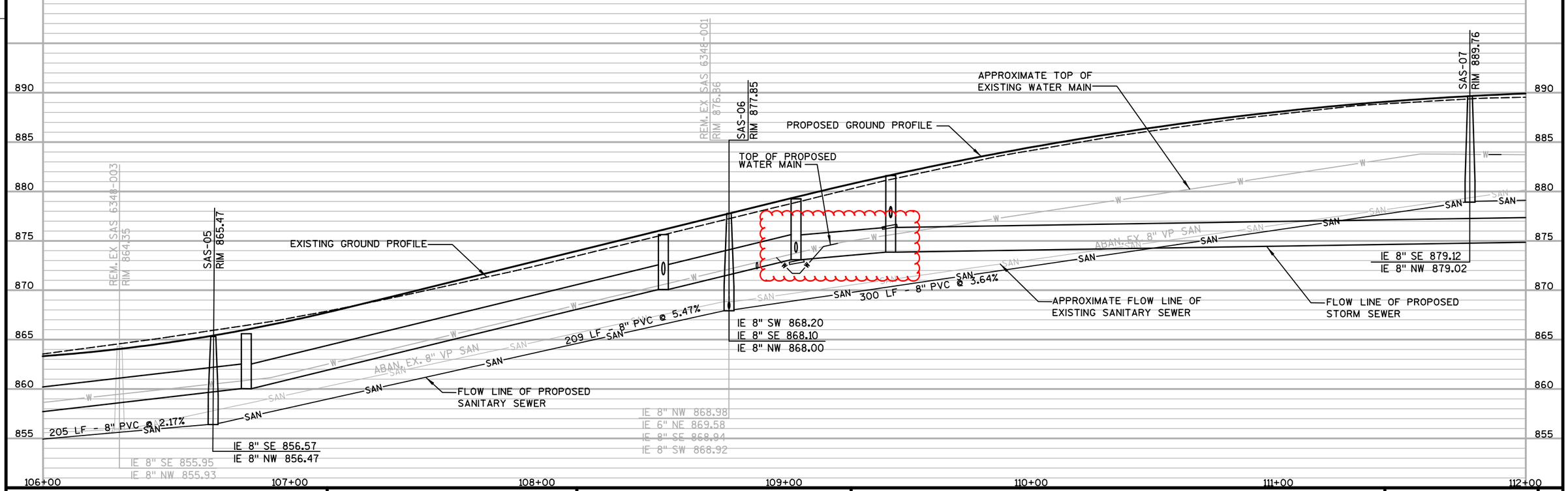
4112 BUCKEYE ROAD
4114 BUCKEYE ROAD
4116 BUCKEYE ROAD
4118 BUCKEYE ROAD
4200 BUCKEYE ROAD
4201 BUCKEYE ROAD
4111 BUCKEYE ROAD
4113 BUCKEYE ROAD
4115 BUCKEYE ROAD

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

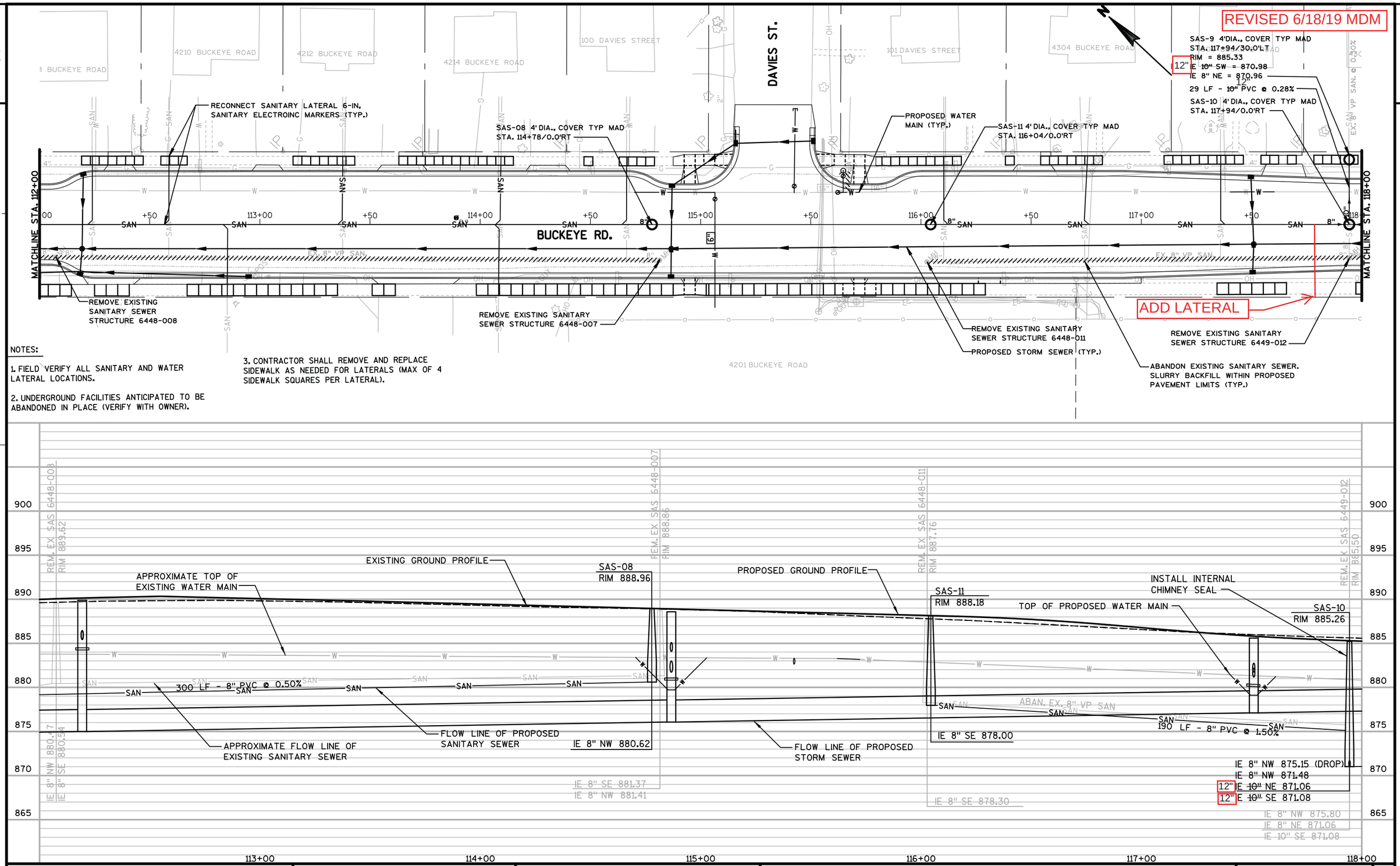


PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-2	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022420_up.dgn
PLOT DATE : 4/26/2019
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

REVISED 4/26/19 EDH

REVISED 6/18/19 MDM



NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-3	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022421_up.dgn PLOT DATE : 4/17/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

REVISED 6/18/19 MDM

REVISED 4/26/19 EDH

RECONNECT SANITARY LATERAL 6-IN, SANITARY LATERAL ELECTRONIC MARKERS (TYP.)

PROPOSED WATER MAIN (TYP.)

WATER SERVICE?

MATCHLINE STA. 118+00

MATCHLINE STA. 124+00

BUCKEYE RD.

4312 BUCKEYE ROAD

4314 BUCKEYE ROAD

4318 BUCKEYE ROAD

4320 BUCKEYE ROAD

4322 BUCKEYE ROAD

4324 BUCKEYE ROAD

4326 BUCKEYE ROAD

4328 BUCKEYE ROAD

4201 BUCKEYE ROAD

100 QUAKER CIRCLE

111 QUAKER CIRCLE

102 W. LAKEVIEW AVENUE

QUAKER CIR.

EX. 8" VP SAN

EX. 12" PVC SAN

PROPOSED STORM SEWER (TYP.)

ABANDON EXISTING SANITARY SEWER. SLURRY BACKFILL WITHIN PROPOSED PAVEMENT LIMITS (TYP.)

SAS-12 4' DIA., COVER TYP MAD STA. 120+61/0.0'RT SANITARY SEWER INTERNAL CHIMNEY SEAL

REMOVE EXISTING SANITARY SEWER STRUCTURE 6449-011

SAS-23

SAS-24

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

*NOTE: PIPE SHALL CONFORM TO ASTM D3034 SDR-26 SEWER MAIN AND LATERAL

APPROXIMATE TOP OF EXISTING WATER MAIN

TOP OF PROPOSED WATER MAIN

FLOW LINE OF PROPOSED STORM SEWER

INSTALL INTERNAL CHIMNEY SEAL

REM. EX SAS 6449-011
RIM 884.90

SAS-12
RIM 884.28

PROPOSED GROUND PROFILE

EXISTING GROUND PROFILE

ABAN. EX. 8" VP SAN

*266 LF - ~~10"~~ 12" PVC @ 0.29%

378 LF - 8" PVC @ 4.11%

FLOW LINE OF PROPOSED SANITARY SEWER

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

APPROXIMATE APPARENT BEDROCK

IE 8" NW 871.90
IE 8" SW 872.02
IE 8" SE 875.91

12" IE ~~10"~~ NW 871.85
IE 8" SE 873.00
10" IE ~~8"~~ SW 871.90

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-4	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022422_up.dgn | PLOT DATE : 4/17/2019 | PLOT BY : _username_ | PLOT NAME : | PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

Revised 4/26/19 EDH
-Storm Sewer revised

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

E. LAKEVIEW AVE.
W. LAKEVIEW AVE.
MORNINGSIDE AVE.
BUCKEYE RD.
MATCHLINE STA. 124+00
MATCHLINE STA. 130+00
101 E. LAKEVIEW AVENUE
101 W. LAKEVIEW AVENUE
100 MORNINGSIDE AVENUE
101 MORNINGSIDE AVENUE
4404 BUCKEYE ROAD
4405 BUCKEYE ROAD
4407 BUCKEYE ROAD
4503 BUCKEYE ROAD
4505 BUCKEYE ROAD
4506 BUCKEYE RO

SAS 25
SAS 13 4' DIA., COVER TYPE MAD
STA. 124+38/9.0'RT
SAS 26
SAS 15 4' DIA., COVER TYPE MAD
STA. 128+79/9.0'RT
SAS 14 4' DIA., COVER TYPE MAD
STA. 127+17/9.0'RT
PROPOSED WATER MAIN (TYP.)
REMOVE EXISTING SANITARY SEWER STRUCTURE 6449-005
PROPOSED STORM SEWER (TYP.)
ABANDON EXISTING SANITARY SEWER. SLURRY BACKFILL WITHIN PROPOSED PAVEMENT LIMITS (TYP.)
REMOVE EXISTING SANITARY SEWER STRUCUTRE 6449-006
REMOVE EXISTING SANITARY SEWER STRUCTURE 6450-013
RECONNECT SANITARY LATERAL 6-IN, SANITARY LATERAL ELECTROINC MARKERS (TYP.)

APPROXIMATE APPARENT BEDROCK
PROPOSED GROUND PROFILE
EXISTING GROUND PROFILE
APPROXIMATE TOP OF EXISTING WATER MAIN
APPROXIMATE POINT OF REFUSAL
FLOW LINE OF PROPOSED SANITARY SEWER
FLOW LINE OF PROPOSED STORM SEWER
INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)
TOP OF PROPOSED WATER MAIN

REM. EX. SAS 6449-005 RIM 900.82
SAS-13 RIM 901.14
279 LF - 8" PVC @ 8.89%
IE 8" SE 892.84 (DROP)
IE 8" NW 889.31
IE 8" NE 889.92
IE 8" NW 888.54
IE 8" NE 888.64
IE 8" SE 890.25
ABAN. EX 8" VP SAN.
REM. EX. SAS 6449-006 RIM 923.79
SAS-14 RIM 923.44
162 LF - 8" PVC @ 5.70%
IE 8" SE 915.16
IE 8" NW 915.06
IE 8" NE 915.16
IE 8" NW 915.43
IE 8" NE 916.67
IE 8" SE 919.31
REM. EX. SAS 6450-013 RIM 932.44
SAS-15 RIM 931.96
IE 8" NW 924.39
IE 8" NW 924.54
IE 8" SE 924.66
IE 6" SW 924.71
IE 6" NE 924.75

920 915 910 905 900 895 890 885
940 935 930 925 920 915 910 905
124+00 125+00 126+00 127+00 128+00 129+00 130+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-5	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022423_up.dgn
PLOT DATE : 4/26/2019
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

MATCHLINE STA. 130+00

SAS 21 4' DIA., COVER TYPE MAD
STA. 130+27/16.7'RT

RECONNECT SANITARY LATERAL
6-IN, SANITARY LATERAL
ELECTRONIC MARKERS (TYP.)

BUCKEYE RD.

PROPOSED STORM SEWER (TYP.)

ABANDON EXISTING SANITARY SEWER.
SLURRY BACKFILL WITHIN PROPOSED
PAVEMENT LIMITS (TYP.)

REMOVE EXISTING SANITARY
SEWER STRUCTURE 6450-001

SHAFFER AVE.

SPAANEM AVE.

SAS 20 4' DIA., COVER TYPE MAD
STA. 132+88/9.0'RT

REMOVE EXISTING SANITARY
SEWER STRUCTURE 6550-006

SAS 27

PROPOSED WATER
MAIN (TYP.)

SAS 19 4' DIA., COVER TYPE MAD
STA. 135+72/9.0'RT

REMOVE EXISTING SANITARY
SEWER STRUCTURE 6550-004

TURNER AVE.

MATCHLINE STA. 136+00

SAS-21
RIM 932.73

REM. EX. SAS 6450-001
RIM 933.35

APPROXIMATE TOP OF
EXISTING WATER MAIN

PROPOSED GROUND PROFILE

SAS-20
RIM 927.34

REM. EX. SAS 6550-006
RIM 927.37

TOP OF PROPOSED WATER MAIN

EXISTING GROUND PROFILE

SAS-19
RIM 923.51

REM. EX. SAS 6550-004
RIM 923.34

ABAN. EX 8" VP SAN.

IE 8" E 923.00

265 LF - 8" PVC @ 2.02%

FLOW LINE OF PROPOSED
STORM SEWER

IE 8" W 917.64
IE 8" E 917.54
IE 8" S 917.74

285 LF - 8" PVC @ 1.05%

APPROXIMATE FLOW LINE OF
EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED
SANITARY SEWER

IE 8" W 914.55
IE 8" E 914.45

XXXX

APPROXIMATE APPARENT BEDROCK

IE 6" SW 923.91
IE 8" E 923.81

IE 8" W 919.55 (DROP
IE 8" S 918.73
IE 8" E 917.70
IE 6" N 918.18

IE 8" E 914.76
IE 8" W 914.74

935 930 925 920 915 910 905 900

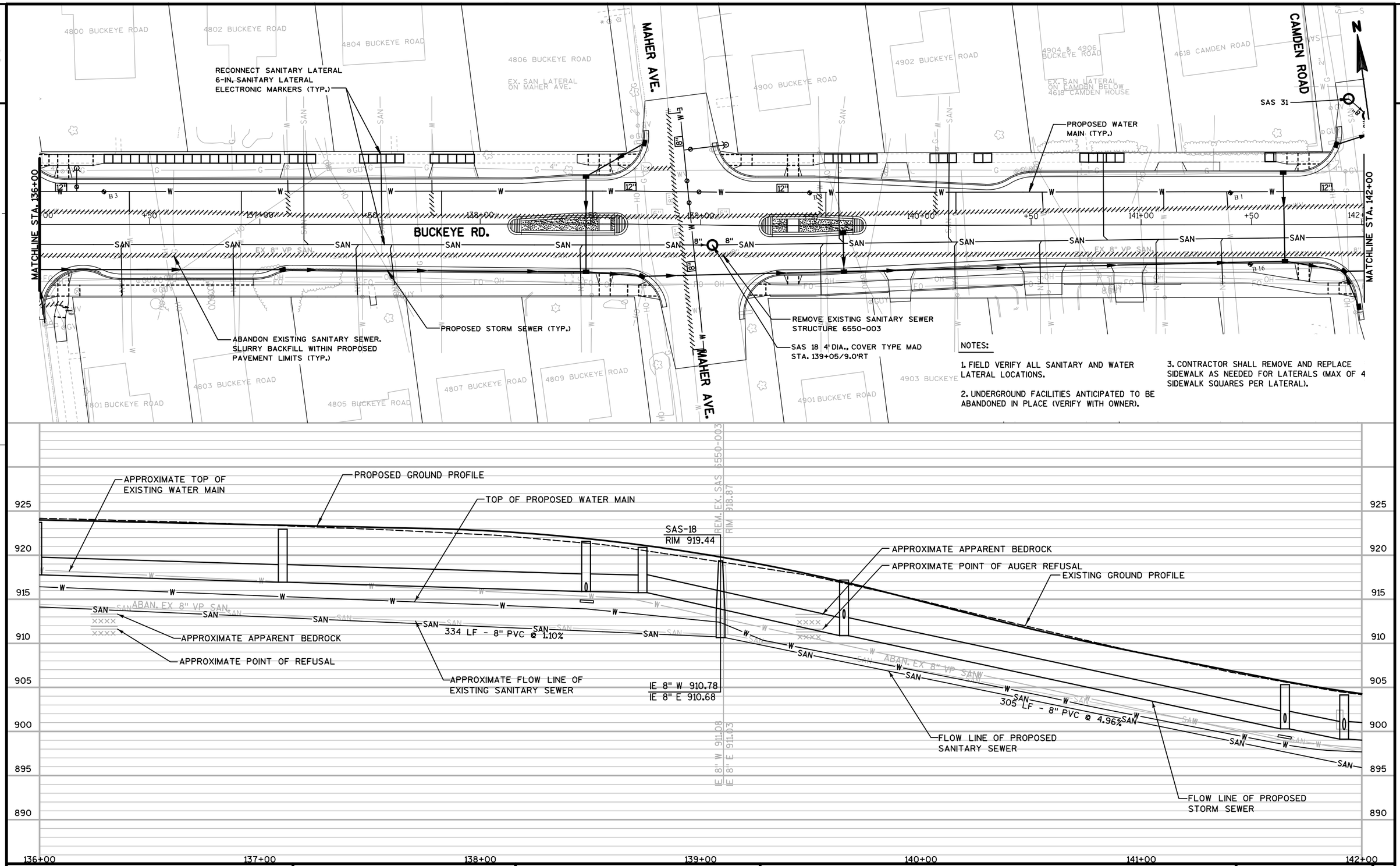
130+00 131+00 132+00 133+00 134+00 135+00 136+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-6	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022424_up.dgn PLOT DATE : 4/17/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-7	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022425_up.dgn PLOT DATE : 4/17/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

Revised 4/26/19 EDH
-Driveway location
adjusted.

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

CAMDEN RD.

BUCKEYE RD.

S. STOUGHTON ROAD

S. STOUGHTON SERVICE ROAD

MATCHLINE STA 142+00

SAS 30

SAS 17 4' DIA., COVER TYP MAD STA. 142+10/5.5'RT

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 6550-001

SAS 28

SAS 29

RECONNECT SANITARY LATERAL 6-IN, SANITARY LATERAL ELECTRONIC MARKERS (TYP.)

ABANDON EXISTING SANITARY SEWER. SLURRY BACKFILL WITHIN PROPOSED PAVEMENT LIMITS (TYP.)

REMOVE EXISTING SANITARY SEWER STRUCTURE 6650-008
SAS 16 4' DIA., COVER TYP MAD
STA. 143+87.10/15.83'RT
SANITARY SEWER INTERNAL CHIMNEY SEAL

PROPOSED STORM SEWER (TYP.)

PROPOSED WATER MAIN (TYP.)

EX 8" VP SAN.

EX 8" PVC SAN.

5000 BUCKEYE ROAD
5001 BUCKEYE ROAD
5003 BUCKEYE ROAD
5004 BUCKEYE ROAD
5006 BUCKEYE ROAD
5008 BUCKEYE ROAD
5010 BUCKEYE ROAD
5012 BUCKEYE ROAD
1826 S. STOUGHTON ROAD

EX. SAN LATERAL ON CAMDEN

142+00 143+00 144+00 145+00 146+00 147+00

920 915 910 905 900 895 890 885 880

REM. EX. SAS 6550-001
RIM 903.41
IE 8" W 897.45 (DROP)
IE 8" S 895.53
IE 8" E 895.36
IE 8" N 895.41

SAS-17
RIM 903.33
IE 8" W 895.54
IE 8" N 895.38
IE 8" S 895.54
IE 8" E 895.33

APPROXIMATE TOP OF EXISTING WATER MAIN

TOP OF PROPOSED WATER MAIN

PROPOSED GROUND PROFILE

177 LF - 8" PVC @ 0.30%

FLOW LINE OF PROPOSED SANITARY SEWER

ABAN. EX. 8" VP SAN.

REM. EX. SAS 6650-008
RIM 901.35
IE 8" W 894.80
IE 8" E 894.70

SAS-16
RIM 901.33
IE 8" W 894.80
IE 8" E 894.70 (TAP)

INSTALL INTERNAL CHIMNEY SEAL

EXISTING GROUND PROFILE

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

EX. SAS 6650-007
RIM 901.23
IE 6" NW 894.21
IE 8" NE 894.11

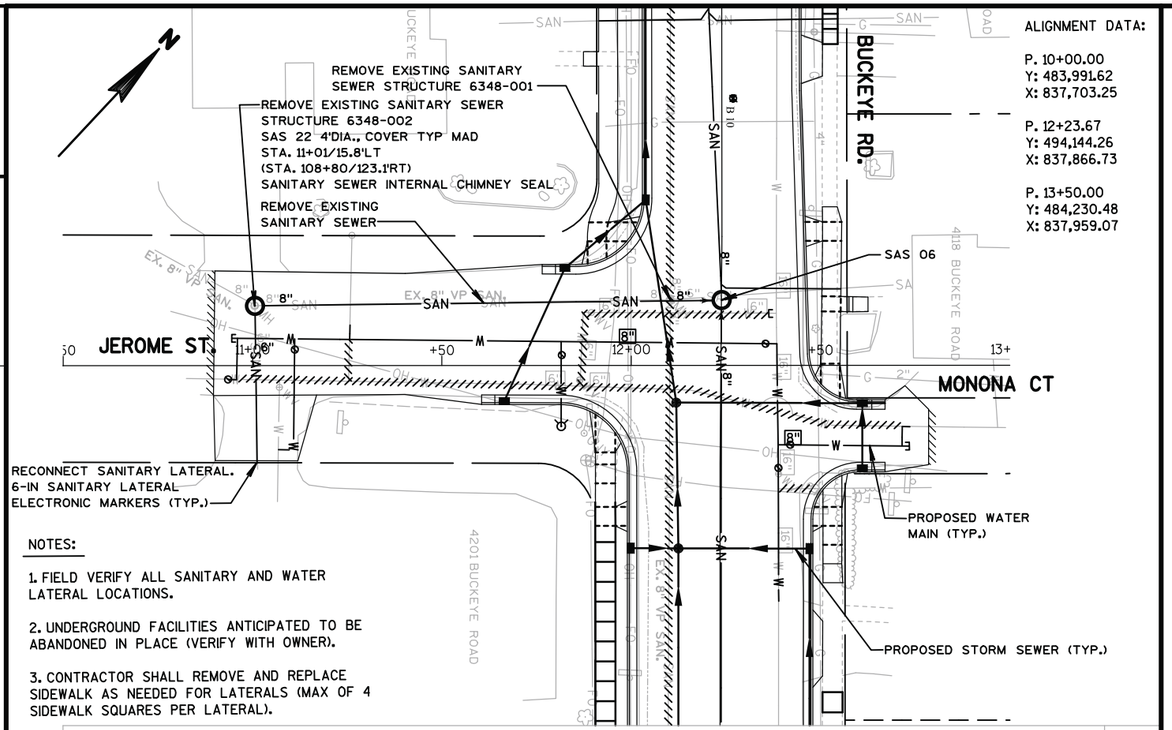
APPROXIMATE FLOW LINE OF EXISTING STORM SEWER

FLOW LINE OF PROPOSED STORM SEWER

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-8	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022426_up.dgn PLOT DATE : 4/26/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



ALIGNMENT DATA:

P. 10+00.00
Y: 483,991.62
X: 837,703.25

P. 12+23.67
Y: 494,144.26
X: 837,866.73

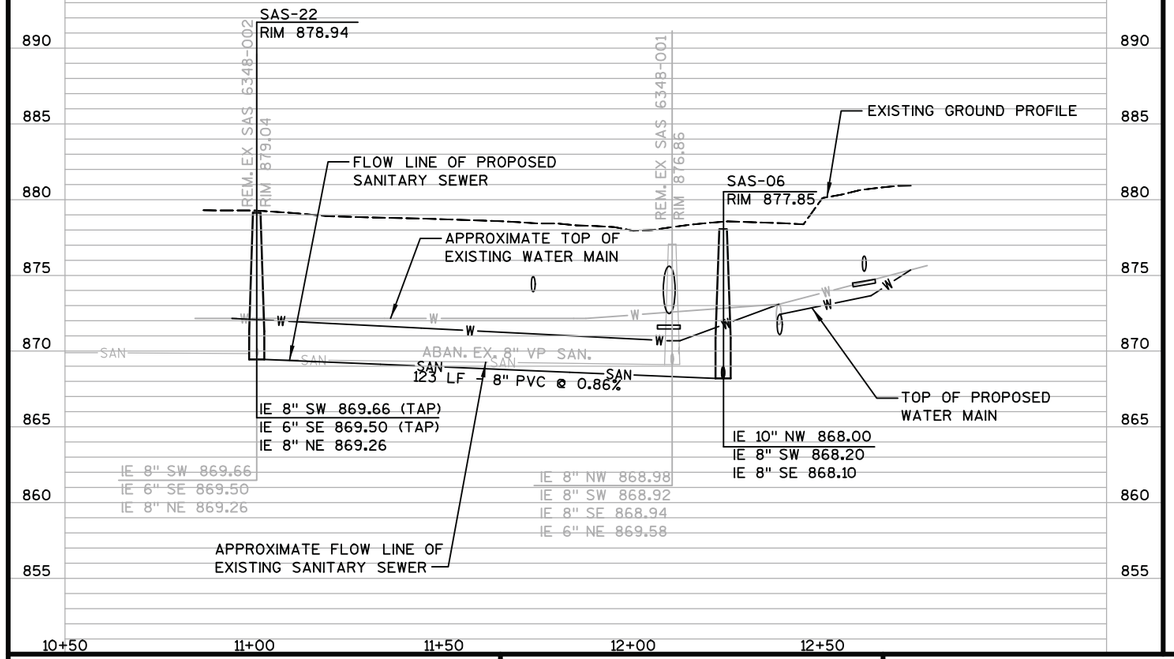
P. 13+50.00
Y: 484,230.48
X: 837,959.07

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).



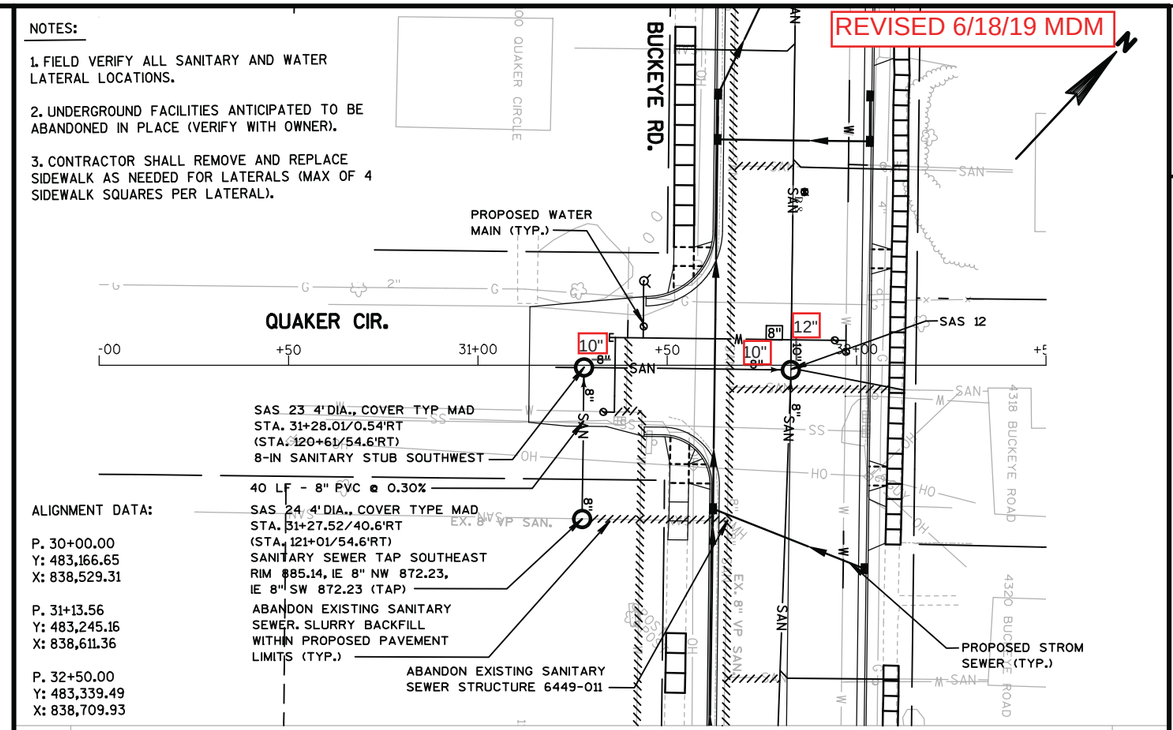
REVISED 6/18/19 MDM

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

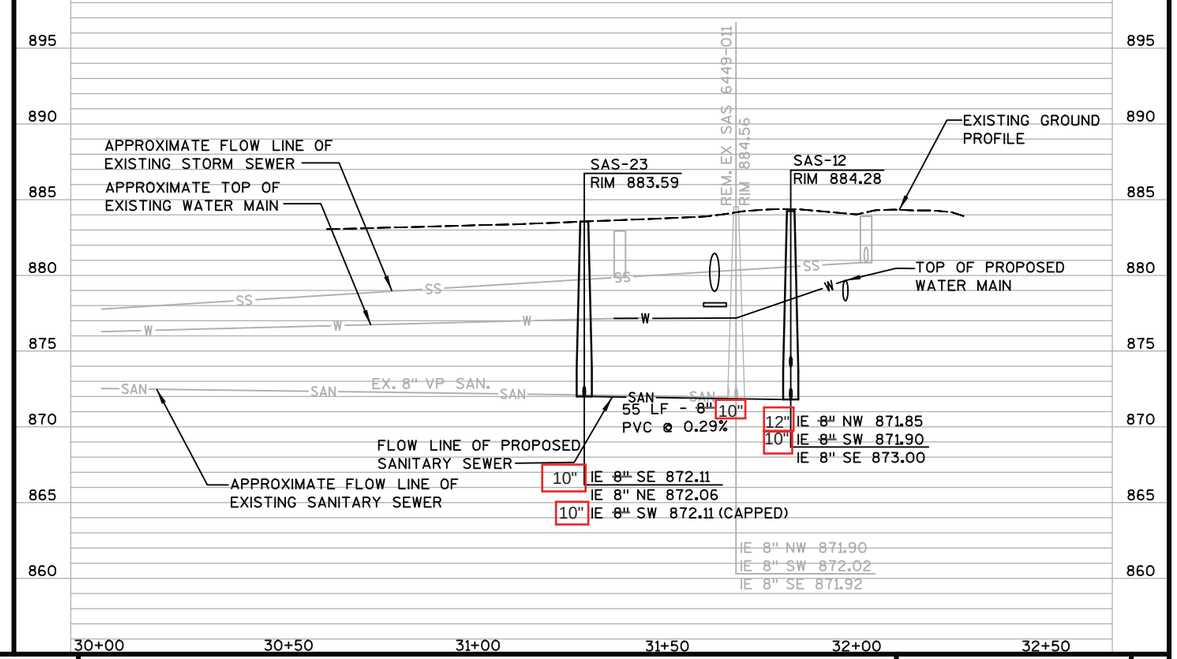


ALIGNMENT DATA:

P. 30+00.00
Y: 483,166.65
X: 838,529.31

P. 31+13.56
Y: 483,245.16
X: 838,611.36

P. 32+50.00
Y: 483,339.49
X: 838,709.93



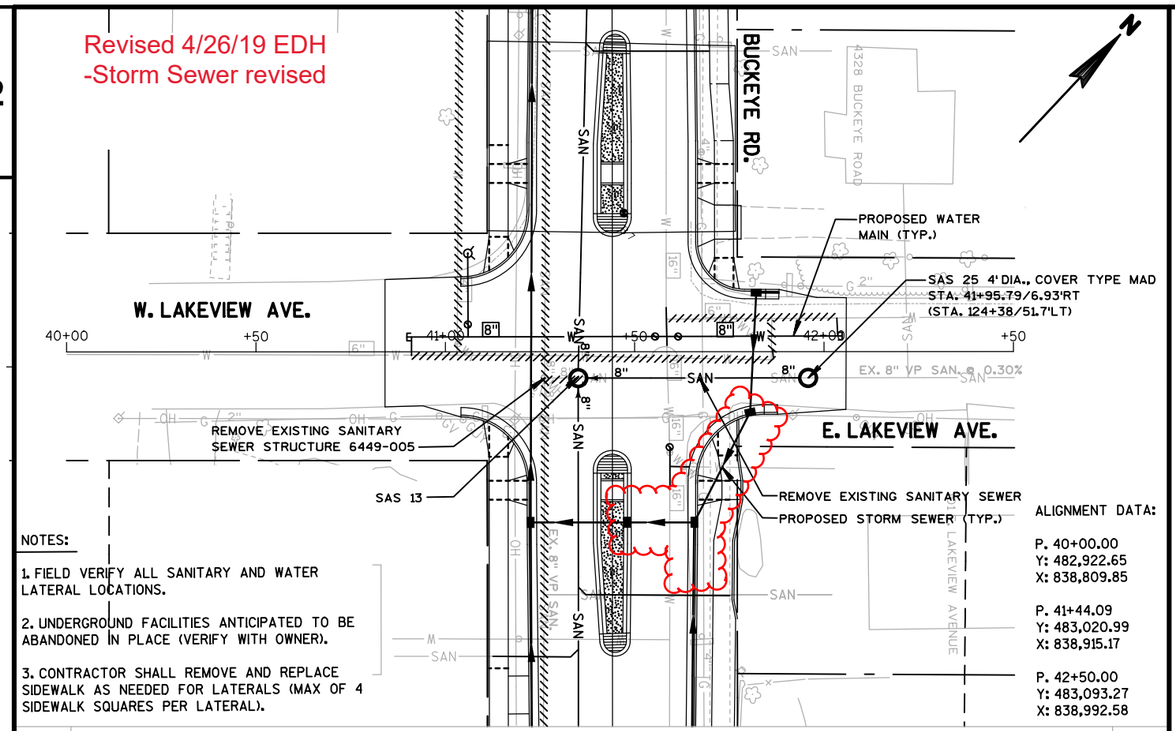
2

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-9	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022427_up.dgn
PLOT DATE : 4/17/2019
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

Revised 4/26/19 EDH
-Storm Sewer revised

2



ALIGNMENT DATA:

P. 40+00.00
Y: 482,922.65
X: 838,809.85

P. 41+44.09
Y: 483,020.99
X: 838,915.17

P. 42+50.00
Y: 483,093.27
X: 838,992.58

NOTES:

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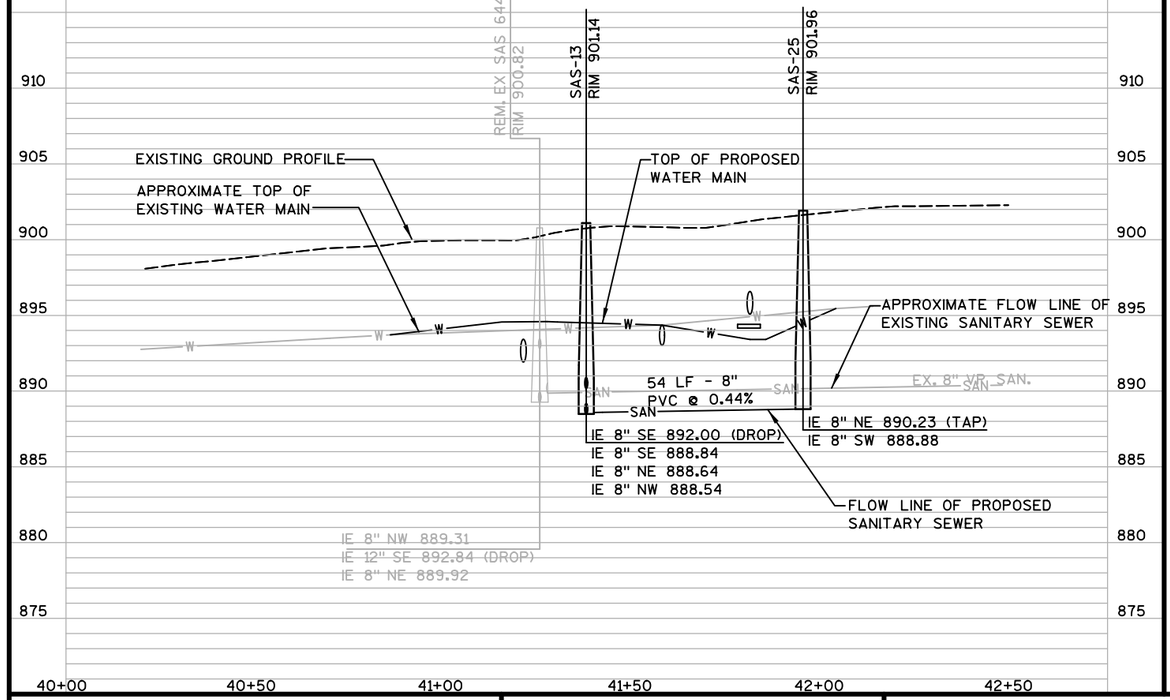

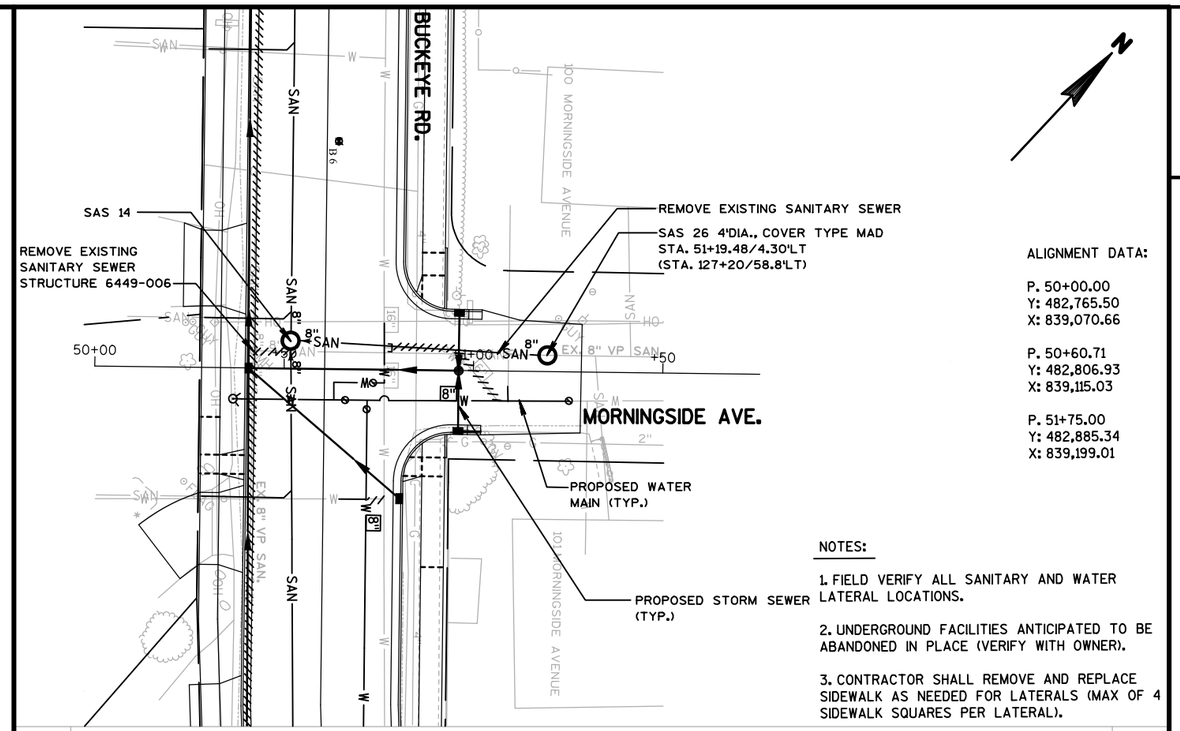

ALIGNMENT DATA:

P. 50+00.00
Y: 482,765.50
X: 839,070.66

P. 50+60.71
Y: 482,806.93
X: 839,115.03

P. 51+75.00
Y: 482,885.34
X: 839,199.01

NOTES:

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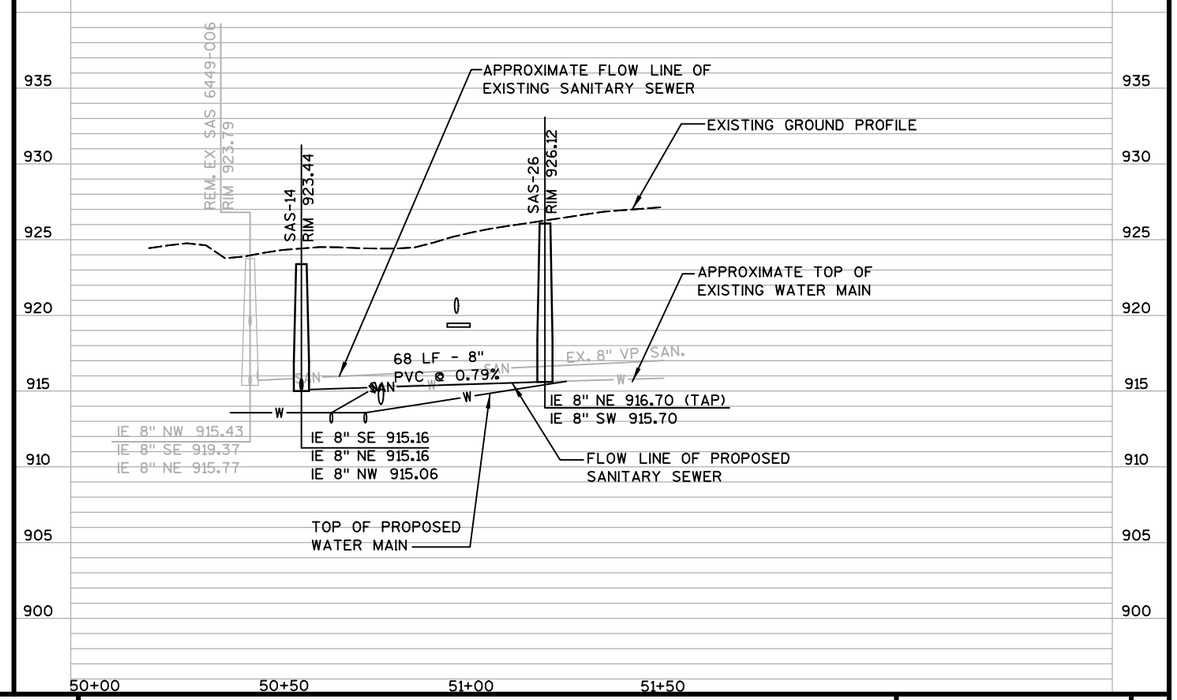

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-10	E

2

ALIGNMENT DATA:

P. 60+00.00
Y: 482,438.23
X: 839,331.81

P. 61+64.37
Y: 482,602.48
X: 839,337.91

P. 62+22.75
Y: 482,660.82
X: 839,340.08

SAS 21

RECONNECT SANITARY LATERAL
6-IN., SANITARY LATERAL
ELECTRONIC MARKERS (TYP.)

PROPOSED WATER MAIN (TYP.)

BUCKEYE RD.

SHAFFER AVE.

EX 8" VP SAN.

EX SAS 6450-014

PROPOSED STORM SEWER (TYP.)

4501 BUCKEYE ROAD

4510 BUCKEYE ROAD

NOTES:

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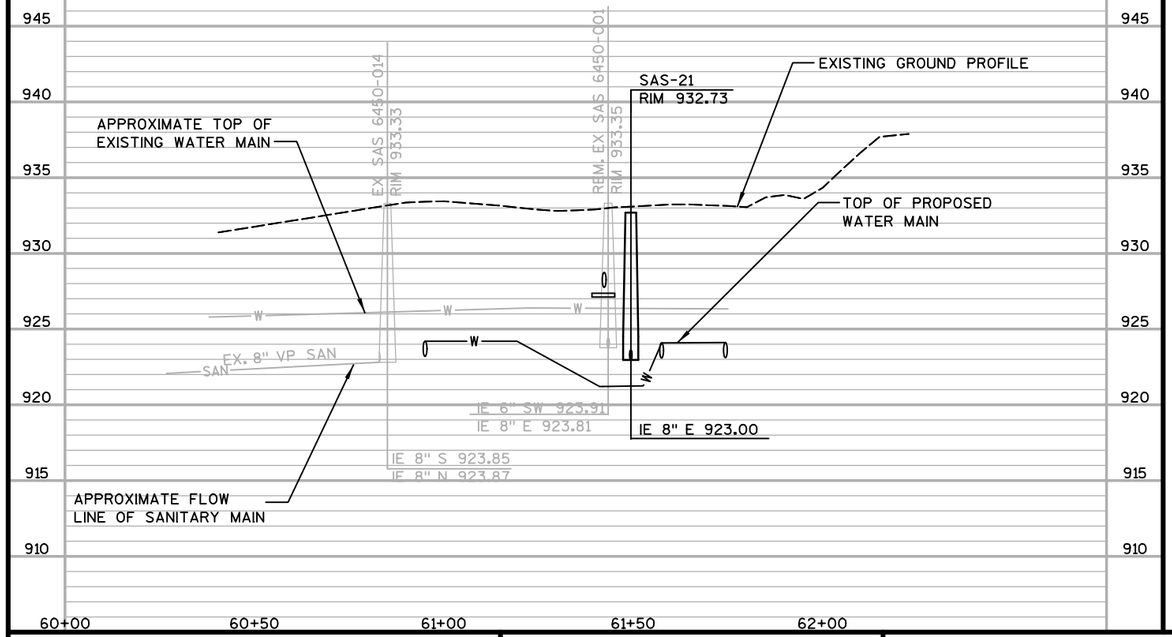
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).



2

ALIGNMENT DATA:

P. 70+00.00
Y: 482,415.66
X: 839,589.96

P. 71+45.36
Y: 482,560.92
X: 839,595.36

P. 72+00.00
Y: 482,615.52
X: 839,597.39

SAS-27 4'DIA., COVER TYP MAD
STA. 70+92/3.06'LT
(STA. 132+92/53.1'LT)

PROPOSED STORM SEWER (TYP.)

SAS-20

PROPOSED WATER MAIN (TYP.)

REMOVE EXISTING SANITARY SEWER

SPAANEM AVE.

EX SAS 6550-006

4701 SPAANEM AVENUE

4702 SPAANEM AVENUE

4703 BUCKEYE

4604 BUCKEYE ROAD

4606 BUCKEYE ROAD

NOTES:

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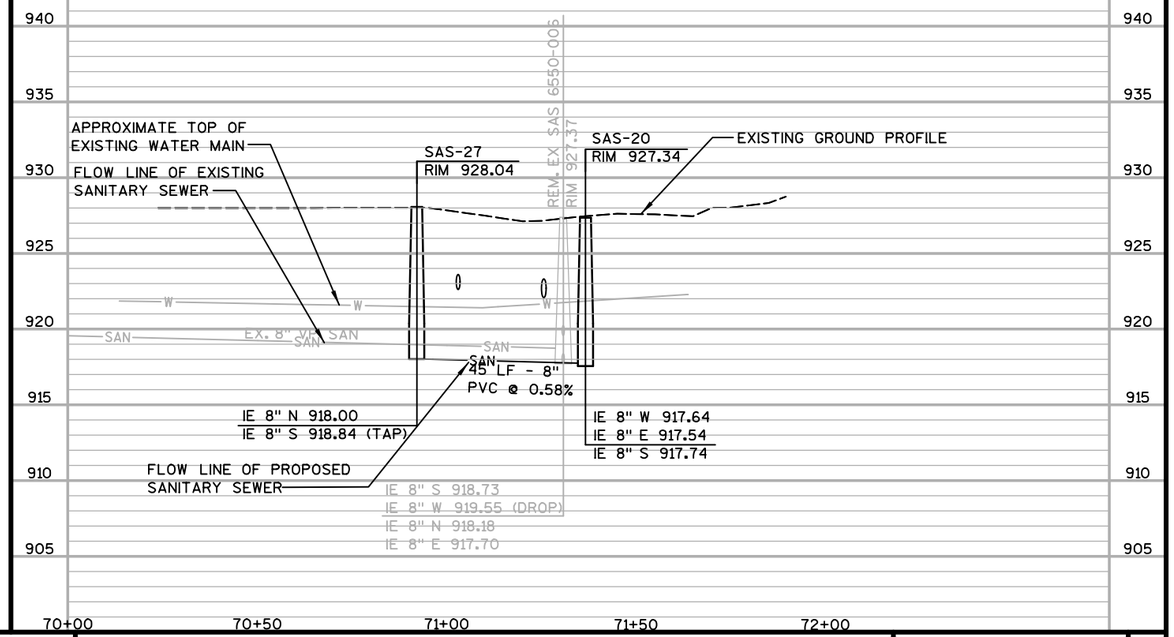


PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-11	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022429_up.dgn PLOT DATE : 4/17/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

ALIGNMENT DATA:

P. 100+00.00 C
Y: 482,282.73
X: 840,509.27

P. 101+55.14 C
Y: 482,437.87
X: 840,510.02

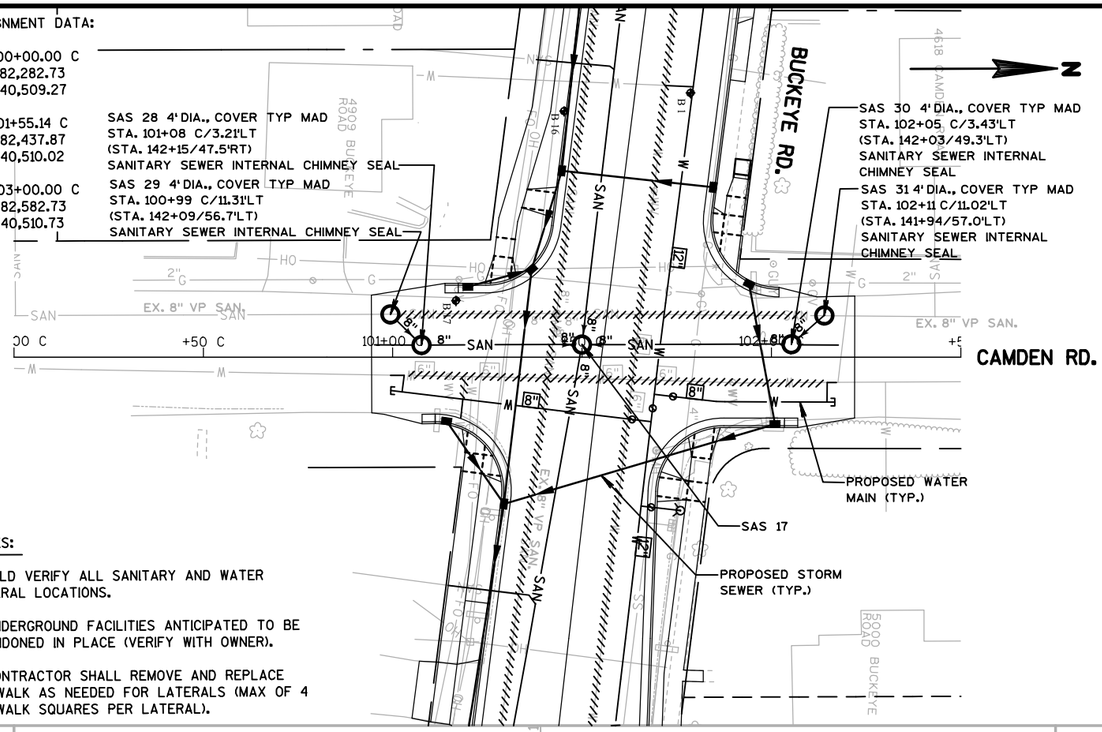
P. 103+00.00 C
Y: 482,582.73
X: 840,510.73

SAS 28 4' DIA., COVER TYP MAD
STA. 101+08 C/3.21'LT
(STA. 142+15/47.5'RT)
SANITARY SEWER INTERNAL CHIMNEY SEAL

SAS 29 4' DIA., COVER TYP MAD
STA. 100+99 C/11.31'LT
(STA. 142+09/56.7'LT)
SANITARY SEWER INTERNAL CHIMNEY SEAL

SAS 30 4' DIA., COVER TYP MAD
STA. 102+05 C/3.43'LT
(STA. 142+03/49.3'LT)
SANITARY SEWER INTERNAL
CHIMNEY SEAL

SAS 31 4' DIA., COVER TYP MAD
STA. 102+11 C/11.02'LT
(STA. 141+94/57.0'LT)
SANITARY SEWER INTERNAL
CHIMNEY SEAL



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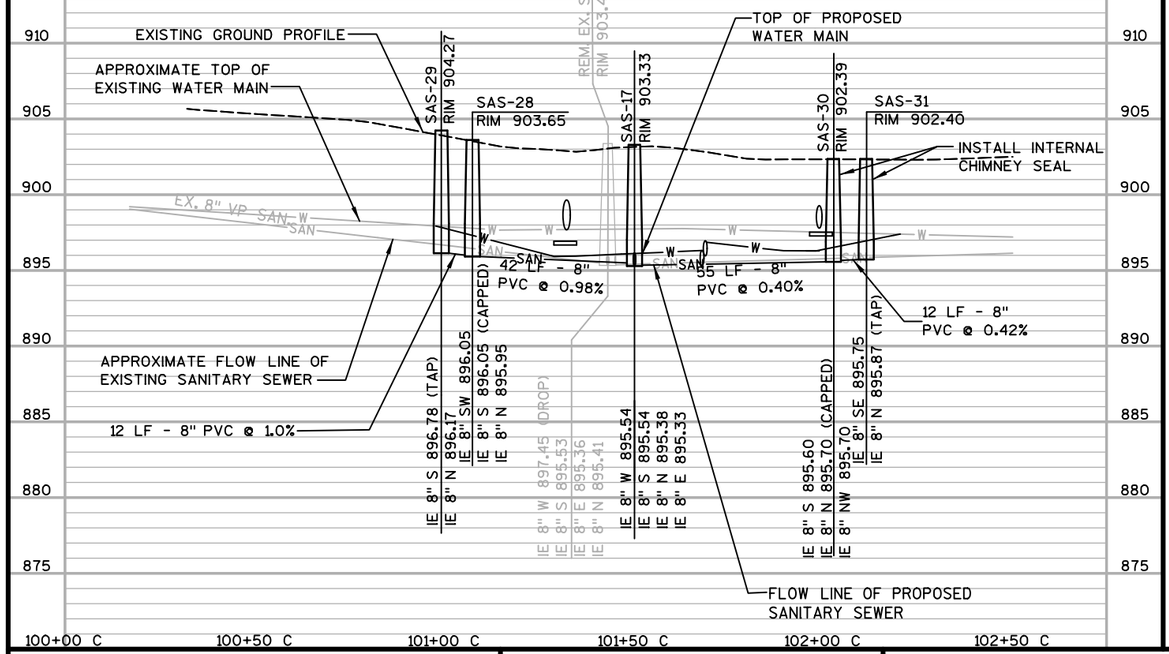


PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-12	E

REVISED 6/18/19 MDM

SANITARY SEWER LATERALS

STATION	OFFSET AT MAIN CONNECTION	50390 SEWER ELECTRONIC MARKERS EACH	50356 SANITARY LATERAL RECONNECT EACH	50353 SANITARY SEWER LATERAL LF	50212 *SELECT BACKFILL FOR SANITARY SEWER LF
101+24	48.9'LT	2	1	5	5
102+54	10.9'LT	2	1	20	20
103+59	10.9'LT	2	1	20	20
103+93	10.9'LT	2	1	20	20
104+51	12.8'LT	2	1	20	20
105+21	9.0'RT	2	1	20	20
105+71	9.0'RT	2	1	36	36
106+07	9.0'RT	2	1	16	16
106+13	9.0'RT	2	1	26	26
106+80	8.6'RT	2	1	35	35
107+09	7.3'RT	2	1	21	21
108+01	3.4'RT	2	1	26	26
108+02	3.4'RT	2	1	30	30
108+73	0.1'RT	2	1	26	26
112+22	0.0'RT	2	1	27	27
112+57	0.0'RT	2	1	27	27
112+83	0.0'RT	2	1	28	28
113+35	0.0'RT	2	1	27	27
114+06	0.0'RT	2	1	33	33
114+07	0.0'RT	2	1	27	27
114+64	0.0'RT	2	1	27	27
116+08	0.0'RT	2	1	27	27
116+72	0.0'RT	2	1	27	27
117+34	0.0'RT	2	1	27	27
118+79	0.0'RT	2	1	27	27
119+74	0.0'RT	2	1	27	27
120+05	0.0'RT	2	1	27	27
120+61	2.4'LT	2	1	26	26
121+40	1.9'RT	2	1	27	27
121+73	2.5'RT	2	1	28	28
~~121+86~~	~~3.0'RT~~	~~2~~	~~1~~	~~25~~	~~25~~
122+32	4.0'RT	2	1	29	29
123+11	6.0'RT	2	1	22	22
123+23	6.4'RT	2	1	32	32
123+50	7.0'RT	2	1	29	29
124+93	9.0'RT	2	1	36	36
125+10	9.0'RT	2	1	19	19
125+48	9.0'RT	2	1	36	36
126+38	9.0'RT	2	1	19	19
127+09	9.0'RT	2	1	19	19
127+56	8.4'RT	2	1	20	20
128+48	8.3'RT	2	1	20	20
128+74	8.9'RT	2	1	27	27
130+34	14.7'RT	2	1	28	28
130+91	8.8'RT	2	1	39	39
131+77	8.8'RT	2	1	37	37
131+79	8.8'RT	2	1	19	19
132+24	8.9'RT	2	1	19	19
132+27	8.9'RT	2	1	37	37
132+56	9.0'RT	2	1	19	19
132+82	9.0'RT	2	1	37	37
133+45	9.0'RT	2	1	19	19
134+02	9.0'RT	2	1	19	19
134+16	9.0'RT	2	1	37	37
134+50	9.0'RT	2	1	19	19
	SUBTOTALS	110	55	~~1,422~~ 1,426	~~1,422~~ 1,426

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T ON NEXT COLUMN

117+78	0.0' RT	2	1	29	29

SANITARY SEWER LATERALS CON'T

STATION	OFFSET AT MAIN CONNECTION	50390 SEWER ELECTRONIC MARKERS EACH	50356 SANITARY LATERAL RECONNECT EACH	50353 SANITARY SEWER LATERAL LF	50212 *SELECT BACKFILL FOR SANITARY SEWER LF
134+68	9.0'RT	2	1	37	37
134+70	9.0'RT	2	1	19	19
135+36	9.0'RT	2	1	19	19
136+38	9.1'RT	2	1	19	19
136+89	9.1'RT	2	1	19	19
137+22	9.2'RT	2	1	37	37
137+45	9.3'RT	2	1	18	18
137+57	9.3'RT	2	1	37	37
137+60	9.3'RT	2	1	14	14
138+46	9.4'RT	2	1	18	18
139+56	8.2'RT	2	1	19	19
139+65	8.0'RT	2	1	37	37
140+14	7.6'RT	2	1	36	36
140+17	7.5'RT	2	1	19	19
140+55	7.1'RT	2	1	15	15
140+85	6.8'RT	2	1	35	35
141+08	6.6'RT	2	1	16	16
141+37	6.3'RT	2	1	16	16
142+80	9.8'RT	2	1	19	19
143+52	14.1'RT	2	1	47	47
143+65	14.8'RT	2	1	14	14
143+69	15.0'RT	2	1	48	48
11+00	13.4'LT	2	1	39	39
	SUBTOTALS	46	23	597	597
	TOTALS	156	78	2,019	2,019

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER MISCELLANEOUS QUANTITIES	SHEET SN-13	E

REVISED 6/18/19 MDM

SANITARY SEWER STRUCTURES SUMMARY

STRUCTURE NUMBER	STATION	LOCATION (OFFSET)	TOP OF CASTING	EXISTING TOP OF CASTING	IE	DEPTH	50791 SANITARY SEWER TAP EACH	50701 SANITARY SAS (4-FOOT DIAMETER) EACH	50797 EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL EACH	50771 INTERNAL CHIMNEY SEAL EACH	20311 REMOVE SANITARY SEWER ACCESS STRUCTURE EACH	50359 COMPRESSION COUPLING EACH
6347-005	101+00	64.7'LT	---	856.02	850.07	5.95	---	---	---	---	1	---
SAS-01	101+00	64.7'LT	856.41	856.02	850.55	5.86	---	1	1	1	---	---
6347-020	101+30	21.8'LT	---	855.75	850.65	5.10	---	---	---	---	1	---
SAS-02	101+82	9.6'LT	855.79	---	850.92	4.87	---	1	1	1	---	---
SAS-03	104+49	8.0'LT	859.43	---	851.74	7.69	1	1	1	---	---	---
6347-019	104+63	22.4'LT	---	860.47	851.84	8.63	---	---	---	---	1	---
SAS-04	104+64	9.0'RT	859.56	---	851.92	7.64	---	1	1	---	---	---
CONNECTION	104+64	32.5'RT	---	---	852.12	---	---	---	---	---	---	1
6347-018	104+64	12.2'RT	---	859.85	852.01	7.84	---	---	---	---	1	---
6348-003	106+31	13.2'RT	---	864.35	855.93	8.42	---	---	---	---	1	---
SAS-05	106+69	9.0'RT	865.47	---	856.47	9.00	---	1	---	---	---	---
SAS-06	108+78	0.0'RT	877.85	---	868.00	9.85	---	1	---	---	---	---
6348-001	108+78	13.5'RT	---	876.86	868.92	7.94	---	---	---	---	1	---
SAS-07	111+78	0.0'RT	889.76	---	879.02	10.74	---	1	---	---	---	---
6448-008	112+08	14.8'RT	---	889.65	880.47	9.18	---	---	---	---	1	---
6448-007	114+82	16.3'RT	---	888.86	881.37	7.49	---	---	---	---	1	---
SAS-08	114+78	0.0'RT	888.96	---	880.62	8.34	---	1	---	---	---	---
6448-011	116+03	17.0'RT		887.76	878.30	9.46	---	---	---	---	1	---
SAS-11	116+04	0.0'RT	888.18	---	878.00	10.18	---	1	---	---	---	---
SAS-10	117+94	0.0'RT	885.26	---	871.06	14.20	---	1	---	1	---	---
SAS-09	117+94	30.0'LT	885.33	---	870.96	14.37	---	1	---	---	---	---
6449-012	117+94	15.3'RT	---	885.50	871.06	14.44	---	---	---	---	1	---
SAS-12	120+61	0.0'RT	884.28		871.85	12.43	---	1	---	1	---	---
6449-011	121+00	16.2'RT	---	884.90	871.90	13.00	---	---	---	---	1	---
SAS-13	124+38	9.0'RT	901.14	---	888.54	12.60	---	1	---	---	---	---
6449-005	124+38	17.8'RT	---	900.82	889.31	11.51	---	---	---	---	1	---
SAS-14	127+17	9.0'RT	923.44	---	915.06	8.38	---	1	---	---	---	---
6449-006	127+20	18.9'RT	---	923.79	915.43	8.36	---	---	---	---	1	---
6450-013	128+76	22.7'RT	---	932.44	924.54	7.90	---	---	---	---	1	---
SAS-15	128+79	9.0'RT	931.96	---	924.28	7.68	---	1	---	---	---	---
SAS-21	130+27	16.7'RT	932.73	---	923.00	9.73	---	1	---	---	---	---
6450-001	130+24	24.2'RT	---	933.35	923.81	9.54	---	---	---	---	1	---
SAS-20	132+88	9.0'RT	927.34	---	917.54	9.80	---	1	---	---	---	---
6550-006	132+88	14.8'RT	---	927.37	917.70	9.67	---	---	---	---	1	---
SAS-19	135+72	9.0'RT	923.51	---	914.45	9.06	---	1	---	---	---	---
6550-004	135+73	14.5'RT	---	923.34	914.74	8.60	---	---	---	---	1	---
SAS-18	139+05	9.0'RT	919.44	---	910.68	8.76	---	1	---	---	---	---
6550-003	139+10	13.5'RT	---	918.87	911.03	7.84	---	---	---	---	1	---
6550-001	142+03	13.2'RT	---	903.41	895.36	8.05	---	---	---	---	1	---
SAS-17	142+10	5.5'RT	903.33	---	895.33	8.00	---	1	---	---	---	---
SAS-16	143+87	15.8'RT	901.33	---	894.70	6.63	1	1	---	1	---	---
6650-008	143+87	15.8'RT	---	901.50	894.70	6.80	---	---	---	---	1	---
SAS-22	108+80	123.1'RT	878.94	---	869.26	9.68	2	1	---	---	---	---
6348-002	108+80	123.1'RT	---	879.04	869.50	9.54	---	---	---	---	1	---
SAS-23	120+61	54.6'RT	883.59	---	872.06	11.53	---	1	---	---	---	---
SAS-24	121+01	54.6'RT	885.14	---	872.23	12.91	1	1	---	---	---	---
SAS-25	124+38	51.7'LT	901.96	---	888.88	13.08	1	1	---	---	---	---
SAS-26	127+20	58.8'LT	926.12	---	915.70	10.42	1	1	---	---	---	---
SAS-27	132+92	53.1'LT	928.04	---	918.00	10.04	1	1	---	---	---	---
SAS-29	142+09	56.7'RT	904.27	---	896.17	8.10	1	1	---	---	---	---
SAS-28	142+15	47.5'RT	903.65	---	896.05	7.60	---	1	---	---	---	---
SAS-30	142+03	49.3'LT	902.39	---	895.60	6.79	---	1	---	1	---	---
SAS-31	141+94	57.0'LT	902.40	---	895.75	6.65	1	1	---	1	---	---
						TOTALS	10	31	4	7	21	1

20314
REMOVE PIPE

LOCAITON	LF
UNDISTRIBUTED	200

20336
PIPE PLUG

LOCATION	EACH
UNDISTRIBUTED	10

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

50201
ROCK EXCAVATION

LOCATION	CY
UNDISTRIBUTED	90

**FOR SANITARY SEWER; ADDITIONAL QUANTITIES LISTED ELSEWHERE

50202
TYPE II DEWATERING

LOCATION	LS
UNDISTRIBUTED	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

50225
UTILITY TRENCH PATCH TYPE III

LOCATION	TF
UNDISTRIBUTED	85

50781
8-INCH SANITARY SEWER OUTSIDE DROP

STRUCTURE NUMBER	VF
SAS 10	3.67

50801
UTILITY LINE OPENING (ULO)

LOCATION	EACH
UNDISTRIBUTED	5

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

90070
HEAVY WASTEWATER CONTROL

LOCATION	LS
UNDISTRIBUTED	1

REVISED 6/18/19 MDM

SANITARY SEWER PIPE SUMMARY

LOCATION (DOWNSTREAM)	LOCATION (UPSTREAM)	IE (DOWNSTREAM)	IE (UPSTREAM)	SLOPE (%)	20335 ABANDON SANITARY SEWER WITH SLURRY CY	50301 SANITARY SEWER PIPE PVC 8-INCH LF	50302 SANITARY SEWER PIPE PVC 10-INCH LF	50303 SANITARY SEWER PIPE PVC 12-INCH LF	50212 *SELECT BACKFILL FOR SANITARY SEWER LF
SAS-01	SAS-02	850.65	850.92	0.27%	---	---	---	99	99
SAS 6347-005	SAS 6347-020	---	---	---	0.7	---	---	---	---
SAS-02	SAS-03	851.02	851.74	0.27%	---	---	---	268	268
SAS 6347-020	SAS 6347-019	---	---	---	4.3	---	---	---	---
SAS-03	SAS-04	851.84	851.92	0.36%	---	---	---	22	22
SAS 6347-019	SAS-04	---	---	---	0.5	---	---	---	---
SAS-04	CONNECT	851.92	852.12	0.83%	---	24	---	---	24
SAS-04	SAS 6348-003	---	---	---	2.2	---	---	---	---
SAS-04	SAS-05	852.02	856.47	2.17%	---	205	---	---	205
SAS 6348-003	SAS 6348-001	---	---	---	3.2	---	---	---	---
SAS-05	SAS-06	856.57	868.00	5.47%	---	209	---	---	209
SAS-06	SAS-21	868.20	869.26	0.86%	---	123	---	---	123
SAS-06	SAS-07	868.10	879.02	3.64%	---	300	---	---	300
SAS-07	SAS-08	879.12	880.62	0.50%	---	300	---	---	300
SAS 6348-001	SAS 6448-008	---	---	---	4.3	---	---	---	---
SAS 63448-008	SAS 6448-07	---	---	---	3.5	---	---	---	---
SAS-10	SAS-11	875.15	878.00	1.50%	---	190	---	---	190
SAS 6448-012	SAS 6449-011	---	---	---	2.5	---	---	---	---
SAS-09	SAS-10	870.98	871.06	0.28%	---	---	~~29~~	29	29
SAS-10	SAS-12	871.08	871.85	0.29%	---	---	~~266~~	266	266
SAS-10	SAS 6449-012	---	---	---	0.2	---	---	---	---
SAS 6449-012	SAS 6449-011	---	---	---	4.0	---	---	---	---
SAS-12	SAS-23	871.90	872.06	0.29%	---	~~55~~	29	---	55
SAS-23	SAS-24	872.11	872.23	0.30%	---	40	---	---	40
SAS 6449-011	SAS 24	---	---	---	0.5	---	---	---	---
SAS-12	SAS-13	873.00	888.54	4.11%	---	378	---	---	378
SAS 6449-011	SAS 644-005	---	---	---	4.4	---	---	---	---
SAS-13	SAS-25	888.64	888.88	0.44%	---	54	---	---	54
SAS-13	SAS-14	890.25	915.06	8.89%	---	279	---	---	279
SAS 6449-005	SAS 6449-006	---	---	---	3.6	---	---	---	---
SAS-14	SAS-26	915.16	915.70	0.79%	---	68	---	---	68
SAS 6449-006	SAS 14	---	---	---	---	---	---	---	---
SAS-14	SAS-15	915.16	924.39	5.70%	---	162	---	---	162
SAS 6449-006	SAS 6450-013	---	---	---	2.0	---	---	---	---
SAS-20	SAS-21	917.64	923.00	2.02%	---	265	---	---	265
SAS 6550-006	SAS 6450-001	---	---	---	3.5	---	---	---	---
SAS-20	SAS-27	917.74	918.00	0.58%	---	45	---	---	45
SAS-19	SAS-20	914.55	917.54	1.05%	---	285	---	---	285
SAS 6550-004	SAS 6550-006	---	---	---	3.7	---	---	---	---
SAS-18	SAS-19	910.78	914.45	1.10%	---	334	---	---	334
SAS 6550-003	SAS 6550-004	---	---	---	4.4	---	---	---	---
SAS-17	SAS-18	895.54	910.68	4.96%	---	305	---	---	305
SAS 6550-001	SAS 6550-003	---	---	---	3.8	---	---	---	---
SAS-17	SAS-28	895.54	895.95	0.98%	---	42	---	---	42
SAS-17	SAS-30	895.38	895.60	0.40%	---	55	---	---	55
SAS-16	SAS-17	894.80	895.33	0.30%	---	177	---	---	177
SAS 16	SAS 6550-001	---	---	---	2.4	---	---	---	---
SAS-28	SAS-29	896.05	896.17	1.00%	---	12	---	---	12
SAS 6550-001	SAS 27	---	---	---	0.6	---	---	---	---
SAS-30	SAS-31	895.70	895.75	0.42%	---	12	---	---	12
SAS 6550-001	SAS 31	---	---	---	0.9	---	---	---	---
				TOTALS	55	3,919	295	389	4,603

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER MISCELLANEOUS QUANTITIES	SHEET SN-15	E

Revised 6/17/2019 KDF
Revised 7/16/2019 EDH
-Rim elev. changed

LAKE EDGE BLVD.

MONONA DR.

BUCKEYE RD.

REMOVING STORM SEWER
12-INCH TO 24-INCH REQ'D

REMOVING SEWER ACCESS
STRUCTURE REQ'D

38"x60" HERCP BY 36"
RCP TEE REQ'D

REMOVING STORM SEWER
HE 38-INCH X 60-INCH REQ'D

REMOVING STORM SEWER
12-INCH TO 24-INCH REQ'D

REMOVING
INLETS REQ'D

ULO2
ELECTRIC
3X6" PVC
TOP=849.81
CONFLICT IF CROSSING
STM. WILL NEED TO BE
RELOCATED

ULO3
FO/ELEC
3X6" PVC
TOP=848.33

ULO4A
FO/ELEC
3X6" PVC
TOP=851.22

ULO4B
FO/ELEC
3X6" PVC
TOP=854.03
BTM=852.61

ULO5
FO/ELEC
3X6" PVC
TOP=854.06
BTM=853.41

PRIVATE STORM
SEWER LATERAL REQ'D

MATCHLINE STA. 106+00

BW-1.7 BW-1.2 BW-1.4 BW-1.6 BW-1 BW-2 BW-2.5 BW-3.1 BW-1.3 BW-1.1 BW-1.5 BW-2.1 BW-2.6 BW-3

+00 +50 101+00 +50 102+00 +50 103+00 +50 104+00 +50 105+00 +50 106

EXISTING GROUND
PROFILE

PROPOSED
PROFILE

856.00 RIM
855.85 RIM
856.20 RIM
856.58 RIM
857.25 RIM
858.38 RIM
862.66 RIM
856.52 RIM

9'- 36" RCP
@ 0.78%
848.96

25'- 36" RCP
@ 0.72%
849.14

74'- 36" RCP
@ 0.73%
849.68

102'- 36" RCP
@ 0.73%
850.42

32'- 36" RCP
@ 0.72%
851.15
850.65

76'- 30" RCP
@ 1.54%
852.32

139'- 30" RCP
@ 3.02%

127'- 30" RCP
@ 2.81%

875 870 865 860 855 850 845 840

855.94 856.36 856.90 856.90 857.52 857.52 858.46 858.16 859.65 859.25 860.82 860.98 862.02 862.46 863.59 863.37

100+00 101+00 102+00 103+00 104+00 105+00 106+00

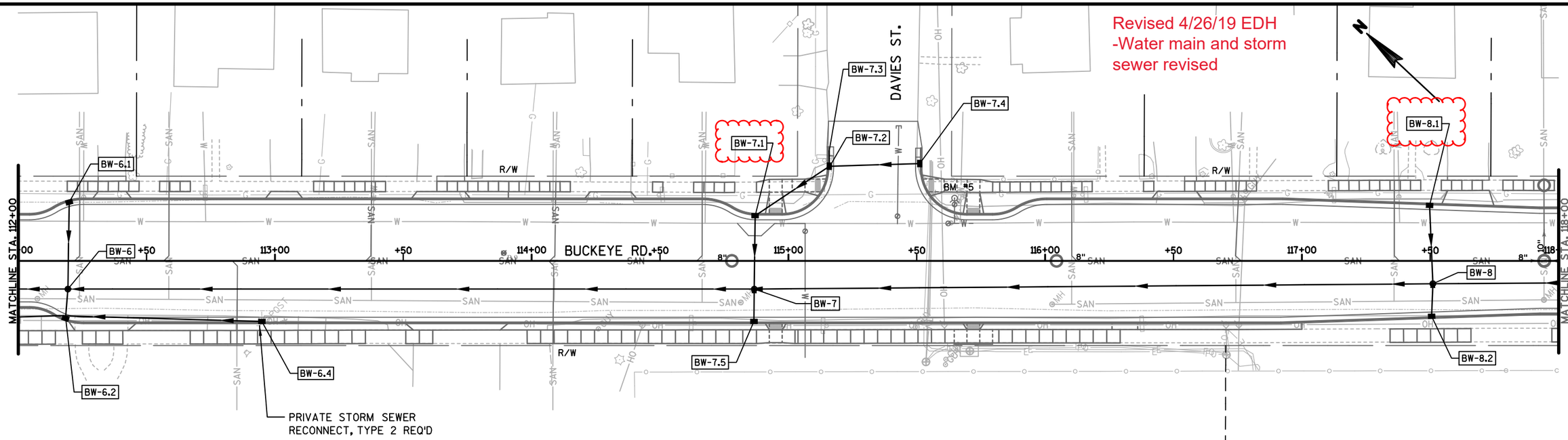
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER PLAN & PROFILES	SHEET ST-1	E

Revised 4/26/19 EDH
Revised 6/17/19 KDF
Revised 6/20/19 EDH
Revised 7/16/19 EDH
-Rim elev. changed

PROJECT NO:10228	HWY:BUCKEYE ROAD	COUNTY:DANE	STORM SEWER PLAN & PROFILES	SHEET ST-2	E

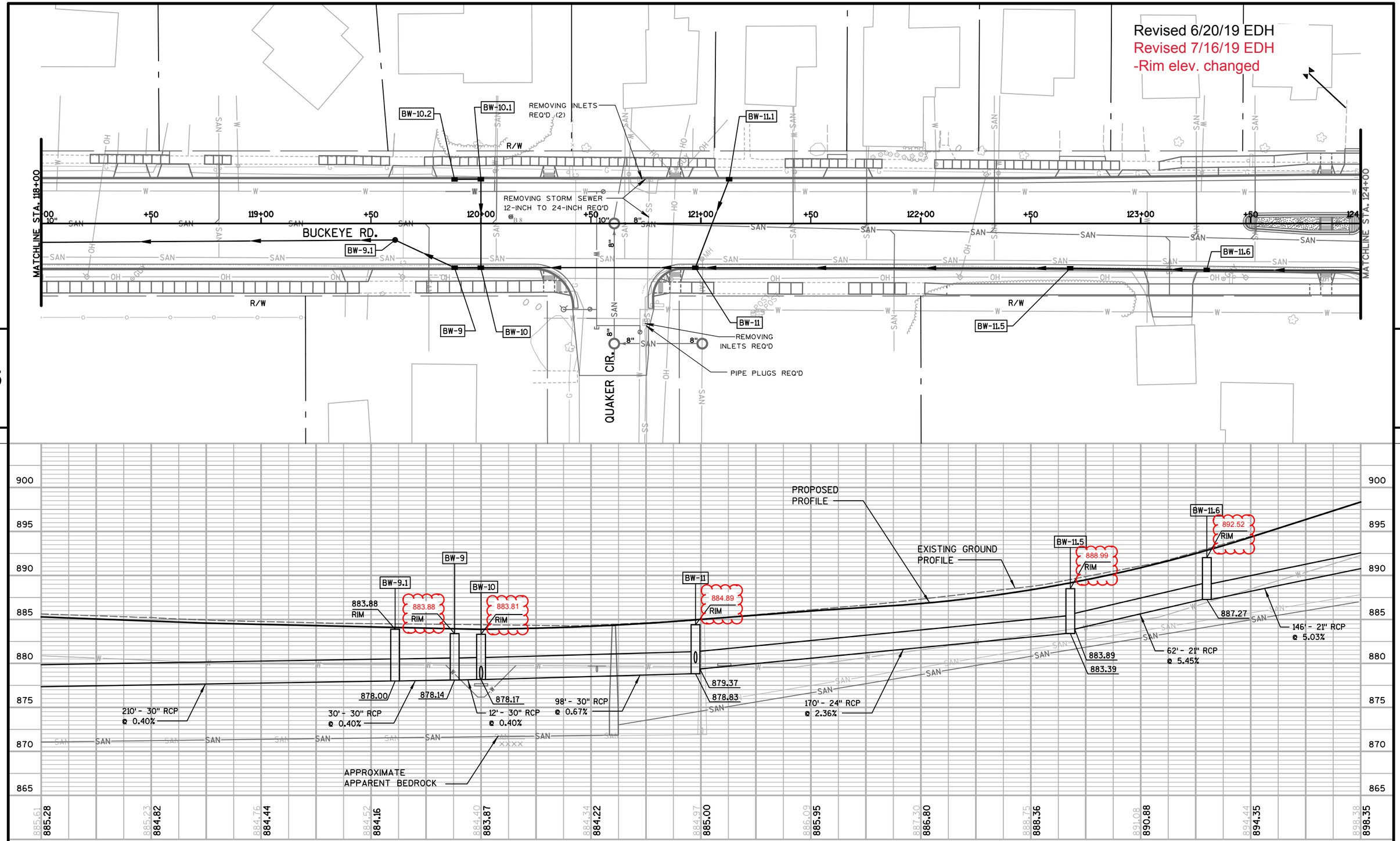
FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022502_ss.dgn PLOT DATE : 6/20/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 30

Revised 4/26/19 EDH
-Water main and storm sewer revised



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER PLAN & PROFILES	SHEET ST-3	E

Revised 6/20/19 EDH
Revised 7/16/19 EDH
-Rim elev. changed



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER PLAN & PROFILES	SHEET ST-4	E

Revised 4/26/19 EDH
Revised 6/20/19 EDH
Revised 7/16/19 EDH
-Rim elev. changed

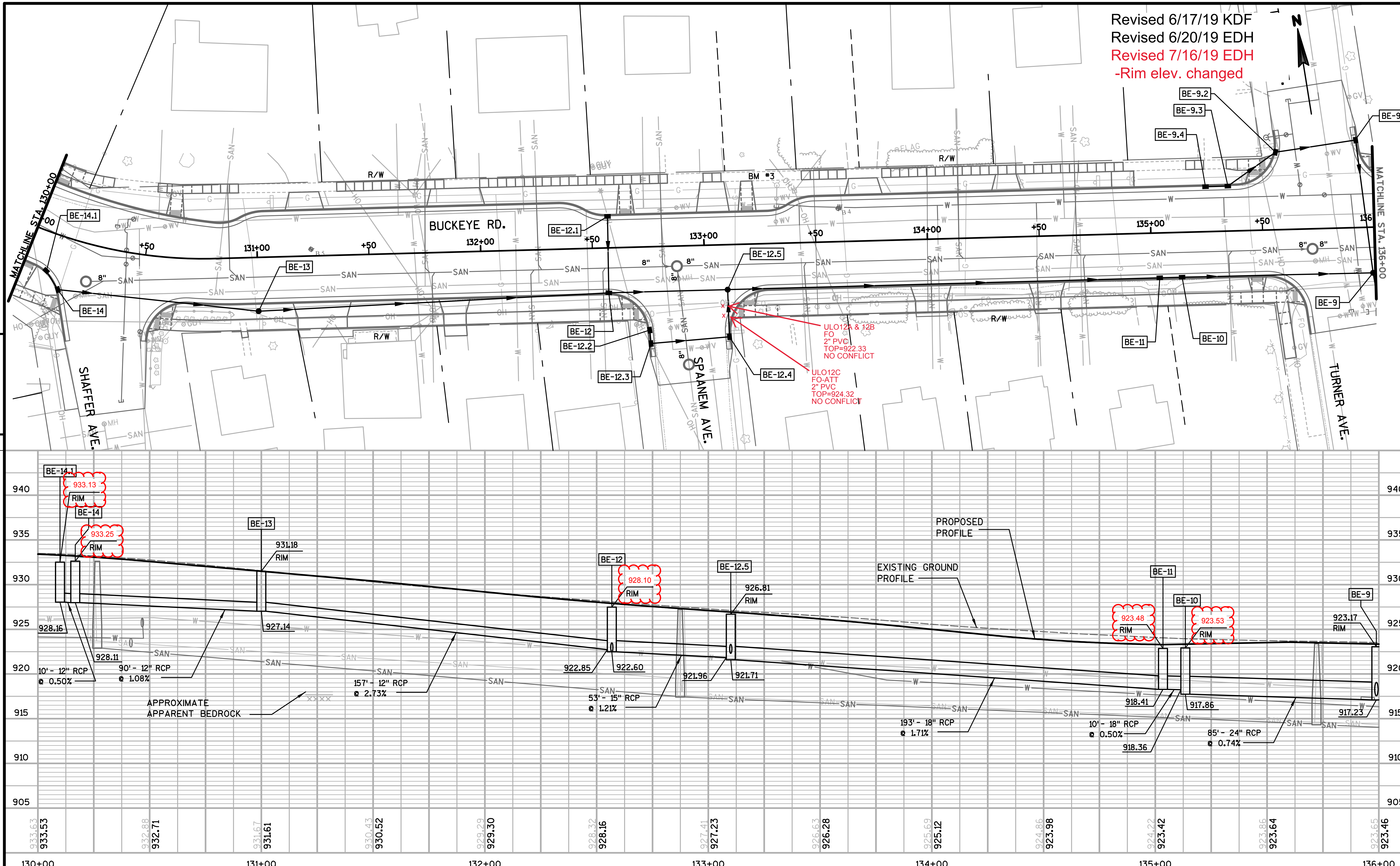
E. LAKEVIEW AVE.
W. LAKEVIEW AVE.
MORNINGSIDE AVE.
BUCKEYE RD.
MATCHLINE STA. 124+00
MATCHLINE STA. 130+00
BW-12.4
BW-12.3
BW-12.2
BW-12.1
BW-12.5
BW-12.6
BW-12
BW-13.2
BW-13.4
BW-13.6
BW-13.3
BW-13.1
BW-13.5
BW-13
R/W
8"
SAN
W
OH
G
GUY
M
124+00
125+00
126+00
127+00
128+00
129+00
130+00
+50

APPROXIMATE APPARENT BEDROCK
PROPOSED PROFILE
EXISTING GROUND PROFILE
APPROXIMATE POINT OF REFUSAL
BW-12
904.34
RIM
899.09
894.62
248' - 21" RCP
@ 7.90%
BW-13
923.93
RIM
919.43
918.68
109' - 12" RCP
@ 5.95%
BW-13.5
930.36
RIM
925.92
PROPOSED PROFILE

898.38	898.35	902.47	902.35	906.69	906.35	911.02	910.35	915.06	914.35	919.00	918.35	922.80	922.26
926.41	925.67	928.90	928.75	931.23	931.17	932.86	932.79	933.67	933.60	933.63	933.53		

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER PLAN & PROFILES	SHEET ST-5	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022505_ss.dgn
PLOT DATE : 6/20/2019
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 30


Revised 6/17/19 KDF
Revised 6/20/19 EDH
Revised 7/16/19 EDH
-Rim elev. changed
N
BUCKEYE RD.
SHAFFER AVE.
SPAANEM AVE.
TURNER AVE.
MATCHLINE STA. 130+00
MATCHLINE STA. 136+00
BM #3
R/W
BE-14.1
BE-14
BE-13
BE-12.1
BE-12
BE-12.2
BE-12.3
BE-12.4
BE-12.5
BE-11
BE-10
BE-9
BE-9.1
BE-9.2
BE-9.3
BE-9.4
ULO12A & 12B
FO
2" PVC
TOP=922.33
NO CONFLICT
ULO12C
FO-ATT
2" PVC
TOP=924.32
NO CONFLICT
5
933.13 RIM
933.25 RIM
931.18 RIM
928.10 RIM
926.81 RIM
923.48 RIM
923.53 RIM
923.17 RIM
928.16
928.11
927.14
922.85
922.60
921.96
921.71
918.41
918.36
917.86
917.23
10' - 12" RCP @ 0.50%
90' - 12" RCP @ 1.08%
157' - 12" RCP @ 2.73%
53' - 15" RCP @ 1.21%
193' - 18" RCP @ 1.71%
10' - 18" RCP @ 0.50%
85' - 24" RCP @ 0.74%
APPROXIMATE APPARENT BEDROCK
PROPOSED PROFILE
EXISTING GROUND PROFILE
940
935
930
925
920
915
910
905
933.63 933.53
932.88 932.71
931.67 931.61
930.43 930.52
929.29 929.30
928.32 928.16
927.41 927.23
926.63 926.28
925.69 925.12
924.86 923.98
924.22 923.42
923.86 923.64
923.65 923.46
130+00
131+00
132+00
133+00
134+00
135+00
136+00

PROJECT NO:10228	HWY:BUCKEYE ROAD	COUNTY:DANE	STORM SEWER PLAN & PROFILES	SHEET ST-6	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022506_ss.dgn PLOT DATE : 6/20/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 30

Revised 6/17/19 KDF
Revised 6/20/19 EDH
Revised 7/16/19 EDH
-Rim elev. changed

N

MATCHLINE STA. 136+00

MATCHLINE STA. 142+00

BUCKEYE RD.

MAHER AVE.

MAHER AVE.

R/W

BE-8.2

BE-8.1

BE-8.5

BE-8

BE-6

BE-6.6

BE-6.5

BE-9.5

BE-3.3

BE-5.1

BE-5

BE-4

BE-4.1

REMOVING STORM SEWER
12-INCH TO 24-INCH REQ'D

REMOVING
INLETS REQ'D

ULO16A & 16B
FO-ATT
2-2" PVC
TOP=918.33
CONFLICT/- UTILITY
NEEDS TO BE RELOCATED

ULO17A
FO-ATT
2" PVC
TOP=919.17
CONFLICT - UTILITY
NEEDS TO BE RELOCATED

ULO17B
FO-ATT
2" PVC
TOP=919.57
NO CONFLICT

BE-8.5
922.91
RIM

BE-8
921.63
RIM

BE-6
920.84
RIM

BE-6.5
917.31
RIM

BE-5
905.28
RIM

BE-4
904.29
RIM

EXISTING GROUND
PROFILE

PROPOSED
PROFILE

APPROXIMATE
APPARENT BEDROCK

APPROXIMATE POINT
OF REFUSAL

111' - 24" RCP
@ 0.76%

916.39

138' - 24" RCP
@ 0.76%

915.34

35' - 24" RCP
@ 0.52%

915.21

92' - 24" RCP
@ 5.29%

910.34

200' - 24" RCP
@ 5.29%

899.76

27' - 24" RCP
@ 4.30%

898.60

62' - 24" RCP
@ 1.66%

925 920 915 910 905 900 895 890

923.65	923.33	922.90	922.42	921.81	920.79	919.05	917.12	914.32	911.29	908.38	905.76	903.64
923.46	923.19	922.91	922.64	922.27	921.30	919.63	917.27	914.24	911.09	908.36	905.90	903.75

136+00 137+00 138+00 139+00 140+00 141+00 142+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER PLAN & PROFILES	SHEET ST-7	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022507_ss.dgn PLOT DATE : 6/20/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 30

Revised 6/17/19 KDF
Revised 6/20/19 EDH
Revised 7/16/19 EDH
-Rim elev. changed

N

CAMDEN RD.

MATCHLINE STA. 142+00

BUCKEYE RD.

REMOVING INLETS REQ'D

PIPE PLUGS REQ'D

REMOVING STORM SEWER 12-INCH TO 24-INCH REQ'D

REMOVING SEWER ACCESS STRUCTURE REQ'D

R/W

BE-3.2

BE-3

BE-3.1

BE-2

BE-1.5

BE-1

BE-1.4

BE-1.1

BE-1.2

ULO15A & 15B FO 2-2" PVC TOP=898.13 NO CONFLICT

ULO15C FO-ATT 2" PVC TOP=899.24 ~~CONFLICT~~ - STORM REVISED

REMOVE STORM JUNCTION BOX

00 +50 143+00 +50 144+00 +50 145+00 +50 146+00 +50 147+00

PROPOSED PROFILE

EXISTING GROUND PROFILE

BE-3 902.40 RIM

BE-2 901.76 RIM

BE-1 900.99 RIM

BE-1.1 901.04 RIM

BE-1.2

897.57

897.07

896.69

895.96

895.56

895.50

83'- 30" RCP @ 0.46%

153'- 29"X45" HERCP @ 0.48%

120'- 29"X45" HERCP @ 0.33%

19'- 29"X45" HERCP @ 0.32%

915 910 905 900 895 890 885 880

903.64 903.75 902.46 902.48 901.98 902.03 901.68 901.78 901.52 901.52 901.32 901.28 901.50

142+00 143+00 144+00 145+00 146+00 147+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER PLAN & PROFILES	SHEET ST-8	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022508_ss.dgn PLOT DATE : 6/20/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 30

3

3

ROCK EXCAVATION - STORM SEWER

STATION - STATION	LOCATION	20102 CY
138+75 - 139+70	LT/RT	30
UNDISTRIBUTED	LT/RT	50
	TOTAL	80

UNDERDRAIN

STATION - STATION	LOCATION	*20130 UNDERDRAIN LF	40101 CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 1 TON
119+25 - 120+75	RT/LT	300	15
134+34 - 136+10	RT/LT	300	15
TOTALS		600	30

*SEE STRUCTURE PLANS FOR ADDITIONAL QUANTITIES

REMOVING SEWER ACCESS STRUCTURE - STORM SEWER

STATION	OFFSET	20311 EACH
101+19	20' RT	1
142+35	17' LT	1
	TOTAL	2

REMOVING INLET

STATION	OFFSET	20313 EACH
102+08	22' RT	1
120+73	20' LT	1
120+77	20' LT	1
120+75	45' RT	1
141+90	38' LT	1
144+88	46' RT	1
146+08	62' RT	1
	TOTAL	7

REMOVING PIPE - STORM SEWER

STATION - STATION	OFFSET	20314 12-INCH TO 24-INCH LF	20314 HE 38-INCH X 60-INCH LF
101+07 - 102+17	RT	130	8
120+72 - 120+78	LT/RT	75	---
141+90 - 143+36	LT	165	---
144+88 - 146+23	RT	150	---
TOTALS		520	8

PIPE PLUG

STATION	OFFSET	20336 EACH
120+75	45' RT	1
143+36	17' LT	1
	TOTAL	2

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

Revised 6/17/19 KDF

STORM SEWER

					STORM SEWER PIPE REINFORCED CONCRETE - TYPE I							
					50401	50402	50403	50404	50405	50407	50409	50421
DNSTRM. STRUCT.	UPSTRM. STRUCT.	DNSTRM. STRUCT. INLET ELEV.	UPSTRM. STRUCT. DISCHARGE ELEV.	SLOPE	12-INCH LF	15-INCH LF	18-INCH LF	21-INCH LF	24-INCH LF	30-INCH LF	36-INCH LF	HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH LF
BE-1.1	BE-1	895.56	895.96	0.33%	---	---	---	---	---	---	---	120
BE-1.2	BE-1.1	895.50	895.56	0.32%	---	---	---	---	---	---	---	19
BE-1.1	BE-1.4	896.34	896.37	0.50%	---	---	---	---	6	---	---	---
BE-1	BE-1.5	895.96	895.99	0.60%	---	---	---	---	5	---	---	---
BE-1	BE-2	895.96	896.69	0.48%	---	---	---	---	---	---	---	153
BE-2	BE-3	896.69	897.07	0.46%	---	---	---	---	---	83	---	---
BE-3	BE-3.1	899.38	899.52	0.51%	27	---	---	---	---	---	---	---
BE-3	BE-3.2	897.07	897.43	0.48%	---	---	75	---	---	---	---	---
BE-3.2	BE-3.3	897.43	897.62	0.50%	---	---	38	---	---	---	---	---
BE-3	BE-4	897.57	898.60	1.66%	---	---	---	---	62	---	---	---
BE-4	BE-4.1	899.68	900.05	2.06%	---	18	---	---	---	---	---	---
BE-4	BE-5	898.60	899.76	4.30%	---	---	---	---	27	---	---	---
BE-5	BE-5.1	900.50	900.70	0.50%	40	---	---	---	---	---	---	---
BE-6.5	BE-6	910.34	915.21	5.29%	---	---	---	---	92	---	---	---
BE-5	BE-6.5	899.76	910.34	5.29%	---	---	---	---	200	---	---	---
BE-6.5	BE-6.6	912.29	912.38	0.50%	18	---	---	---	---	---	---	---
BE-6	BE-8	915.21	915.34	0.52%	---	---	---	---	25	---	---	---
BE-8	BE-8.1	915.34	915.55	0.49%	43	---	---	---	---	---	---	---
BE-8.1	BE-8.2	915.55	915.70	0.48%	31	---	---	---	---	---	---	---
BE-8	BE-8.5	915.34	916.39	0.76%	---	---	---	---	138	---	---	---
BE-8.5	BE-9	916.39	917.23	0.76%	---	---	---	---	111	---	---	---
BE-9	BE-9.1	917.68	918.48	1.33%	---	---	60	---	---	---	---	---
BE-9.1	BE-9.2	918.48	918.66	0.50%	---	36	---	---	---	---	---	---
BE-9.2	BE-9.3	918.66	918.79	0.50%	---	26	---	---	---	---	---	---
BE-9.3	BE-9.4	918.79	918.84	0.50%	10	---	---	---	---	---	---	---
BE-9	BE-9.5	917.68	917.83	0.63%	---	24	---	---	---	---	---	---
BE-9	BE-10	917.23	917.86	0.74%	---	---	---	---	85	---	---	---
BE-10	BE-11	918.36	918.41	0.50%	---	---	10	---	---	---	---	---
BE-12.5	BE-12	921.96	922.60	1.21%	---	53	---	---	---	---	---	---
BE-12	BE-12.1	922.60	923.39	2.32%	34	---	---	---	---	---	---	---
BE-12.3	BE-12.2	922.70	922.73	0.50%	6	---	---	---	---	---	---	---
BE-12.4	BE-12.3	922.53	922.70	0.49%	35	---	---	---	---	---	---	---
BE-12.5	BE-12.4	922.43	922.53	0.48%	21	---	---	---	---	---	---	---
BE-11	BE-12.5	918.41	921.71	1.71%	---	---	193	---	---	---	---	---
BE-12	BE-13	922.85	927.14	2.73%	157	---	---	---	---	---	---	---
BE-13	BE-14	927.14	928.11	1.08%	90	---	---	---	---	---	---	---
BE-14	BE-14.1	928.11	928.16	0.50%	10	---	---	---	---	---	---	---
BW-1.4	BW-1	849.68	850.42	0.73%	---	---	---	---	---	---	102	---
BW-1.4	BW-1.1	850.64	850.72	1.33%	6	---	---	---	---	---	---	---
BW-1.7	BW-1.2	848.96	849.14	0.72%	---	---	---	---	---	---	25	---

CONT'D FROM PREVIOUS

Revised 6/17/19 KDF

STORM SEWER

					STORM SEWER PIPE REINFORCED CONCRETE - TYPE I							
					50401	50402	50403	50404	50405	50407	50409	50421
DNSTRM. STRUCT.	UPSTRM. STRUCT.	DNSTRM. STRUCT. INLET ELEV.	UPSTRM. STRUCT. DISCHARGE ELEV.	SLOPE	12-INCH LF	15-INCH LF	18-INCH LF	21-INCH LF	24-INCH LF	30-INCH LF	36-INCH LF	HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH LF
BW-1.2	BW-1.4	849.14	849.68	0.73%	---	---	---	---	---	---	74	---
BW-1.1	BW-1.5	852.49	852.67	2.00%	9	---	---	---	---	---	---	---
BW-1.4	BW-1.6	852.13	852.25	2.00%	---	6	---	---	---	---	---	---
BW-1.3	BW-1.7	848.89	848.96	0.78%	---	---	---	---	---	---	9	---
BW-1	BW-2	850.42	850.65	0.72%	---	---	---	---	---	---	32	---
BW-1	BW-2.1	852.12	852.20	0.80%	10	---	---	---	---	---	---	---
BW-2	BW-2.5	851.15	852.32	1.54%	---	---	---	---	---	76	---	---
BW-2.5	BW-3	852.32	856.52	3.02%	---	---	---	---	---	139	---	---
BW-3	BW-3.1	857.77	858.19	1.05%	---	40	---	---	---	---	---	---
BW-3	BW-3.5	856.52	860.09	2.81%	---	---	---	---	---	127	---	---
BW-3.5	BW-4	860.09	870.14	5.95%	---	---	---	---	---	169	---	---
BW-4	BW-4.1	872.13	873.25	4.00%	---	28	---	---	---	---	---	---
BW-4.1	BW-4.2	873.25	874.11	2.21%	39	---	---	---	---	---	---	---
BW-4	BW-4.3	870.14	873.17	5.61%	---	---	---	---	---	54	---	---
BW-4.3	BW-5	873.17	873.93	2.00%	---	---	---	---	---	38	---	---
BW-5	BW-5.1	877.54	877.71	0.49%	35	---	---	---	---	---	---	---
BW-5.3	BW-5.2	875.00	875.13	0.76%	17	---	---	---	---	---	---	---
BW-4.3	BW-5.3	873.93	874.18	0.51%	49	---	---	---	---	---	---	---
BW-5.3	BW-5.4	874.18	874.21	0.50%	6	---	---	---	---	---	---	---
BW-5	BW-5.5	877.43	877.50	0.54%	13	---	---	---	---	---	---	---
BW-5.1	BW-5.6	877.69	881.52	4.26%	90	---	---	---	---	---	---	---
BW-5	BW-6	873.93	875.03	0.40%	---	---	---	---	---	276	---	---
BW-6	BW-6.1	885.46	885.63	0.50%	34	---	---	---	---	---	---	---
BW-6	BW-6.2	882.48	882.54	0.55%	11	---	---	---	---	---	---	---
BW-6.2	BW-6.3	882.54	882.73	0.51%	37	---	---	---	---	---	---	---
BW-6.2	BW-6.4	882.54	882.92	0.49%	77	---	---	---	---	---	---	---
BW-6	BW-7	875.03	876.10	0.40%	---	---	---	---	---	267	---	---
BW-7	BW-7.1	879.00	879.15	0.52%	---	29	---	---	---	---	---	---
BW-7.1	BW-7.2	881.91	882.08	0.49%	35	---	---	---	---	---	---	---
BW-7.2	BW-7.3	882.08	882.11	0.50%	6	---	---	---	---	---	---	---
BW-7.2	BW-7.4	884.00	884.18	0.51%	35	---	---	---	---	---	---	---
BW-7	BW-7.5	884.13	884.20	0.54%	13	---	---	---	---	---	---	---
BW-7	BW-8	876.10	877.16	0.40%	---	---	---	---	---	264	---	---
BW-8	BW-8.1	877.16	877.32	0.52%	31	---	---	---	---	---	---	---
BW-8	BW-8.2	881.21	881.28	0.54%	13	---	---	---	---	---	---	---
BW-9.1	BW-9	878.00	878.12	0.40%	---	---	---	---	---	30	---	---
BW-8	BW-9.1	877.16	878.00	0.40%	---	---	---	---	---	210	---	---
BW-9	BW-10	878.12	878.17	0.42%	---	---	---	---	---	12	---	---
BW-10	BW-10.1	878.25	878.45	0.50%	---	---	40	---	---	---	---	---
BW-10.1	BW-10.2	878.45	878.51	0.50%	---	---	12	---	---	---	---	---
BW-10	BW-11	878.17	878.83	0.67%	---	---	---	---	---	98	---	---
BW-11	BW-11.1	880.95	881.38	1.00%	43	---	---	---	---	---	---	---
BW-11	BW-11.5	879.37	883.39	2.36%	---	---	---	---	170	---	---	---
BW-11.5	BW-11.6	883.89	887.27	5.45%	---	---	62	---	---	---	---	---
BW-11.6	BW-12	887.27	894.62	5.03%	---	---	---	146	---	---	---	---

CONT'D FROM PREVIOUS

Revised 4/26/19 EDH
-Storm Sewer revised

STORM SEWER

					STORM SEWER PIPE REINFORCED CONCRETE - TYPE I							
					50401	50402	50403	50404	50405	50407	50409	50421
DNSTRM. STRUCT.	UPSTRM. STRUCT.	DNSTRM. STRUCT. INLET ELEV.	UPSTRM. STRUCT. DISCHARGE ELEV.	SLOPE	12-INCH LF	15-INCH LF	18-INCH LF	21-INCH LF	24-INCH LF	30-INCH LF	36-INCH LF	HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH LF
BW-12.5	BW-12.1	894.74	894.83	0.50%	---	---	18	---	---	---	---	---
BW-12.1	BW-12.2	894.83	895.00	0.52%	---	---	33	---	---	---	---	---
BW-12.2	BW-12.3	895.00	895.16	0.50%	---	---	32	---	---	---	---	---
BW-12.3	BW-12.4	895.16	895.19	0.50%	---	---	6	---	---	---	---	---
BW-12	BW-12.5	894.62	894.74	0.48%	---	---	25	---	---	---	---	---
BW-12.1	BW-12.6	899.68	907.00	8.13%	90	---	---	---	---	---	---	---
BW-12	BW-13	899.09	918.68	7.90%	---	---	---	248	---	---	---	---
BW-13	BW-13.1	919.49	922.41	5.51%	53	---	---	---	---	---	---	---
BW-13	BW-13.2	918.68	919.00	0.58%	---	---	55	---	---	---	---	---
BW-13.2	BW-13.3	920.16	920.24	0.50%	16	---	---	---	---	---	---	---
BW-13.2	BW-13.4	920.16	920.24	0.53%	15	---	---	---	---	---	---	---
BW-13	BW-13.5	919.43	925.92	5.95%	109	---	---	---	---	---	---	---
BW-13.3	BW-13.6	920.24	920.27	0.50%	---	---	6	---	---	---	---	---
TOTALS					1,414	260	665	394	921	1,843	242	292

Revised 6/17/19 KDF
Revised 6/20/19 EDH
Revised 7/16/19 EDH

Revisions throughout.

DEPTH = TOP OF CASTING - INLET ELEV.

INLETS, MANHOLES, TEES, MANHOLE COVERS, AND INLET COVERS

STRUCT. ID#	STATION	OFFSET	TOP OF CASTING	INLET ELEV.	DEPTH	50723 3'X 3' SAS EACH	50724 4'X 4' SAS EACH	50725 5'X 5' SAS EACH	50726 6'X 6' SAS EACH	90050 38-INCH X 60-INCH HERCP X 36-INCH RCP TEE CLASS IV EACH	*20336 PIPE PLUG EACH	50741 TYPE "H" INLET EACH	50467 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30 -INCH EACH	50499 CONCRETE COLLAR EACH	50794 PRIVATE STORM SEWER RECONNECT TYPE 2 EACH	50795 PRIVATE STORM SEWER LATERAL EACH	MANHOLE COVERS R-1550-0054 EACH	INLET COVERS R-1878-B7G EACH	INLET COVERS R-3067-7004-V EACH	INLET COVERS R-3067-7004-VB EACH
BE-1	144+88.48	45.1 'RT	901.05	895.96	5.09	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---
BE-1.1	146+07.78	62.0 'RT	901.42	895.56	5.86	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---
BE-1.2	146+22.75	73.7 'RT	-	895.50	-	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---
BE-1.4	146+06.95	55.9 'RT	-	896.37	-	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---
BE-1.5	144+88.32	39.8 'RT	-	895.99	-	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---
BE-2	143+36.81	24.4 'RT	901.76	896.69	5.07	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---
BE-3	142+54.11	21.0 'RT	902.40	897.07	5.33	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---
BE-3.1	142+34.03	38.7 'RT	903.40	898.92	4.48	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BE-3.2	142+24.85	47.5 'LT	902.41	897.43	4.98	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BE-3.3	141+88.67	36.3 'LT	903.81	897.62	6.19	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BE-4	141+92.13	21.2 'RT	904.12	898.60	5.52	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1
BE-4.1	141+98.81	37.3 'RT	904.36	900.05	4.31	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BE-5	141+65.15	16.5 'RT	905.23	899.76	5.47	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BE-5.1	141+64.42	23.5 'LT	905.14	900.70	4.44	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BE-6	138+73.86	23.6 'RT	920.84	915.21	5.63	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
BE-6.5	139+65.05	20.8 'RT	917.09	910.34	6.75	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BE-6.6	139+64.67	3.3 'RT	916.81	912.38	4.43	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BE-8	138+48.00	21.5 'RT	921.63	915.34	6.29	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BE-8.1	138+48.00	21.5 'LT	921.23	915.55	5.68	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BE-8.2	138+74.26	36.8 'LT	920.32	915.70	4.62	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BE-8.5	137+10.35	20.5 'RT	922.91	916.39	6.52	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BE-9	135+98.92	20.4 'RT	923.17	917.23	5.94	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BE-9.1	135+92.60	39.1 'LT	923.78	918.48	5.30	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BE-9.2	135+56.83	34.7 'LT	923.89	918.66	5.23	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BE-9.3	135+35.00	20.0 'LT	923.50	918.79	4.71	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
BE-9.4	135+25.01	20.0 'LT	923.52	918.84	4.68	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
BE-9.5	136+02.41	44.5 'RT	-	917.83	-	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---
BE-10	135+13.44	20.0 'RT	923.53	917.86	5.67	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BE-11	135+03.44	20.0 'RT	923.48	918.41	5.07	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BE-12	132+56.82	20.0 'RT	928.10	922.60	5.50	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BE-12.1	132+57.18	14.0 'LT	928.13	923.39	4.74	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BE-12.2	132+74.78	37.3 'RT	927.96	922.73	5.23	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BE-12.3	132+75.21	43.3 'RT	928.08	922.70	5.38	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
BE-12.4	133+10.15	41.2 'RT	927.65	922.53	5.12	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BE-12.5	133+10.03	20.1 'RT	926.81	921.71	5.10	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---
BE-13	131+00.00	24.1 'RT	931.18	927.14	4.04	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---
BE-14	130+16.86	23.5 'RT	933.25	928.11	5.14	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
BE-14.1	130+09.94	17.0 'RT	933.15	928.16	4.99	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
BW-1	103+10.36	13.0'RT	856.58	850.42	6.16	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---
BW-1.1	102+07.90	21.7 'RT	856.50	850.72	5.78	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
BW-1.2	101+34.11	13.0'RT	855.85	849.14	6.71	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---
~~BW-1.3~~	~~101+07.55~~	~~35.8 'RT~~	~~-~~	~~848.89~~	~~-~~	~~---~~	~~---~~	~~---~~	~~---~~	~~1~~	~~---~~	~~---~~	~~---~~	~~2~~	~~---~~	~~---~~	~~---~~	~~---~~	~~---~~	~~---~~
BW-1.4	102+07.90	13.0'RT	856.20	849.68	6.52	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---
BW-1.5	102+17.00	21.8 'RT	-	852.67	-	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---
BW-1.6	102+07.09	9.5 'RT	-	852.25	-	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---

CONT'D FROM PREVIOUS

Revised 6/17/19 KDF
Revised 6/20/19 EDH
Revised 7/16/19 EDH

INLETS, MANHOLES, TEES, MANHOLE COVERS, AND INLET COVERS

Revisions throughout.

DEPTH = TOP OF CASTING - INLET ELEV.

STRUCT. ID#	STATION	OFFSET	TOP OF CASTING	INLET ELEV.	DEPTH	50723 3'X 3' SAS EACH	50724 4'X 4' SAS EACH	50725 5'X 5' SAS EACH	50726 6'X 6' SAS EACH	90050 38-INCH X 60-INCH HERCP X 36-INCH RCP TEE CLASS IV EACH	*20336 PIPE PLUG EACH	50741 TYPE "H" INLET EACH	50467 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30 -INCH EACH	50499 CONCRETE COLLAR EACH	50794 PRIVATE STORM SEWER RECONNECT TYPE 2 EACH	50795 PRIVATE STORM SEWER LATERAL EACH	MANHOLE COVERS R-1550-0054 EACH	INLET COVERS R-1878-B7G EACH	INLET COVERS R-3067-7004-V EACH	INLET COVERS R-3067-7004-VB EACH
BW-1.7	101+9.50	34.3'RT	856.00	848.96	7.04	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---
BW-2	103+41.40	19.6'RT	857.25	850.65	6.60	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---
BW-2.1	103+10.00	25.4 'RT	856.59	852.20	4.39	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---
BW-2.5	104+17.05	20.0 'RT	858.38	852.32	6.06	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---
BW-2.6	104+17.00	33.0 'RT	-	855.07	-	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---
BW-3	105+55.78	20.0 'RT	862.66	856.52	6.14	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-3.1	105+57.18	20.0 'LT	862.89	858.19	4.70	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-3.5	106+82.40	20.0 'RT	866.15	860.09	6.06	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-4	108+51.14	20.1 'RT	876.20	870.14	6.06	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---
BW-4.1	108+69.61	41.4 'RT	877.69	873.25	4.44	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-4.2	109+04.71	57.1 'RT	878.55	874.11	4.44	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-4.3	109+04.81	11.7 'RT	879.33	873.17	6.16	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-5	109+43.17	11.0 'RT	881.69	873.93	7.76	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-5.1	109+43.25	23.5 'LT	882.15	877.71	4.44	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-5.2	109+21.98	37.6 'LT	881.33	875.13	6.20	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-5.3	109+04.64	37.4 'LT	880.53	874.18	6.35	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-5.4	109+04.46	43.4 'LT	-	874.21	-	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---
BW-5.5	109+43.14	23.5 'RT	882.02	877.50	4.52	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-5.6	110+32.85	23.6 'LT	885.96	881.52	4.44	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-5.7	110+33.14	33.0 'LT	-	881.70	-	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---
BW-6	112+19.35	11.0 'RT	889.93	875.03	14.90	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-6.1	112+19.86	22.8 'LT	890.13	885.63	4.50	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
BW-6.2	112+18.41	22.3 'RT	890.04	882.54	7.50	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
BW-6.3	111+81.26	22.4 'RT	890.00	882.73	7.27	1	---	---	---	---	---	---	---	---	1	---	1	---	---	---
BW-6.4	112+94.92	23.6 'RT	889.96	882.92	7.04	---	---	---	---	---	---	1	---	---	1	---	---	---	1	---
BW-7	114+86.71	11.0 'RT	888.62	876.10	12.52	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-7.1	114+87.05	17.5 'LT	889.02	879.15	9.87	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-7.2	115+16.06	36.8 'LT	888.68	882.08	6.60	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
BW-7.3	115+15.93	42.8 'LT	-	882.11	-	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---
BW-7.4	115+51.06	37.9 'LT	888.63	884.18	4.45	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-7.5	114+86.55	23.5 'RT	888.76	884.20	4.56	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-8	117+51.02	8.9 'RT	885.63	877.16	8.47	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-8.1	117+49.74	21.5 'LT	885.87	877.32	8.55	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-8.2	117+50.55	21.5 'RT	885.80	881.28	4.52	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-9	119+88.01	20.0 'RT	883.88	878.12	5.76	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1
BW-9.1	119+60.96	7.5 'RT	883.88	878.00	5.88	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-10	120+00.01	20.0 'RT	883.81	878.17	5.64	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1
BW-10.1	120+00.00	20.0 'LT	883.95	878.45	5.50	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
BW-10.2	119+88.00	20.0 'LT	884.02	878.51	5.51	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
BW-11	120+97.53	20.0 'RT	884.89	878.83	6.06	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-11.1	121+12.85	20.0 'LT	885.32	881.38	3.94	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-11.5	122+68.00	20.3 'RT	888.99	883.39	5.60	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-11.6	123+30.03	21.0 'RT	892.52	887.27	5.25	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-12	124+76.50	21.5 'RT	904.34	894.62	9.72	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-12.1	124+76.50	21.6 'LT	905.03	894.83	10.20	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---

CONT'D FROM PREVIOUS

Revised 6/20/19 EDH
Revised 7/16/19 EDH

INLETS, MANHOLES, TEES, MANHOLE COVERS, AND INLET COVERS

Revisions throughout.

DEPTH = TOP OF CASTING - INLET ELEV.

STRUCT. ID#	STATION	OFFSET	TOP OF CASTING	INLET ELEV.	DEPTH	50723 3'X 3' SAS EACH	50724 4'X 4' SAS EACH	50725 5'X 5' SAS EACH	50726 6'X 6' SAS EACH	90050 38-INCH X 60-INCH HERCP X 36-INCH RCP TEE CLASS IV EACH	*20336 PIPE PLUG EACH	50741 TYPE "H" INLET EACH	50467 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30 -INCH EACH	50499 CONCRETE COLLAR EACH	50794 PRIVATE STORM SEWER RECONNECT TYPE 2 EACH	50795 PRIVATE STORM SEWER LATERAL EACH	MANHOLE COVERS R-1550-0054 EACH	INLET COVERS R-1878-B7G EACH	INLET COVERS R-3067-7004-V EACH	INLET COVERS R-3067-7004-VB EACH
BW-12.2	124+47.32	36.4 'LT	902.65	895.00	7.65	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-12.3	124+15.96	38.0 'LT	900.46	895.16	5.30	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-12.4	124+15.92	44.0 'LT	-	895.19	-	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---
BW-12.5	124+76.50	4.0 'LT	904.84	894.74	10.10	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-12.6	125+66.88	20.6 'LT	912.35	907.00	5.35	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-13	127+24.33	20.0 'RT	923.93	918.68	5.25	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---
BW-13.1	127+58.32	20.0 'LT	926.86	922.41	4.45	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-13.2	127+24.33	35.4 'LT	925.13	919.00	6.13	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-13.3	127+40.18	35.4 'LT	926.26	920.24	6.02	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-13.4	127+09.18	35.4 'LT	924.41	920.24	4.17	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-13.5	128+32.61	20.0 'RT	930.36	925.92	4.44	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-13.6	127+40.32	41.4 'LT	-	920.27	-	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---
	TOTALS					18	19	9	4	1	4	39	1	7	3	1	14	2	58	15

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REVISION 1 - PEH
ADDENDUM 1 - PEH

2

LAKE EDGE BLVD.

STA. 101+34.33/34.66'LT
HYDRANT
GROUND EL. 856.8±

STA. 101+34.51/17.9'LT
16-IN × 6-IN TEE
16-IN LIVE TAP.
6-IN VALVE NORTHEAST

STA. 101+60.07/17.7'LT
CUT IN 16-IN CONNECTION

DISCONNECT AND RECONNECT
EXISTING 1-IN COPPER
SERVICE LATERAL

STA. 101+80.07/17.7'LT
CUT IN 16-IN CONNECTION

PROPOSED SANITARY
SEWER (TYP.)

PROTECT
EXISTING SIGNS

REMOVE AND
SALVAGE EXISTING
HYDRANT AND
ABANDON EXISTING
VALVE BOX

ABANDON EXISTING
WATER MAIN WITH CAP
AT TEE

ABANDON
~~ADJUST~~ EXISITNG WATER
MAIN VALVE ~~(TYP.)~~
BOX

4102 BUCKEYE ROAD
4104 BUCKEYE ROAD
4106 BUCKEYE ROAD
4110 BUCKEYE ROAD

STA 104+51.4 / 15.9'LT
CUT OFF & CAP
EX 6-IN WM AT TEE

REMOVE AND SALVAGE
EXISTING HYDRANT
AND ABANDON
EXISTING VALVE BOX

~~STA. 104+51.42/15.3'LT~~
~~CUT IN 16-IN CONNECTION~~
~~16-IN VALVE~~
~~CUT IN 16-IN CONNECTION~~
~~SOUTHEAST~~

STA 105+33.1 / 21.7'LT
~~STA. 101+34.33/34.7'LT~~
HYDRANT
GROUND EL. 862.0±

STA. 105+33.11/15.7'LT
16-IN × 6-IN TEE
~~16-IN LIVE TAP~~ CUT-IN CONNECTION
6-IN VALVE NORTHEAST
16-IN VALVE SOUTHEAST

~~STA. 105+47.01/15.7'LT~~
~~CUT IN 16-IN CONNECTION~~

STA. 105+69.01/15.7'LT
CUT IN 16-IN CONNECTION

EX. 8" VP SAN.
EX. 12" VP SAN.

BUCKEYE RD.
MONONA DR.
4100 MONONA DRIVE
4109 BUCKEYE ROAD

MATCHLINE STA. 106+00

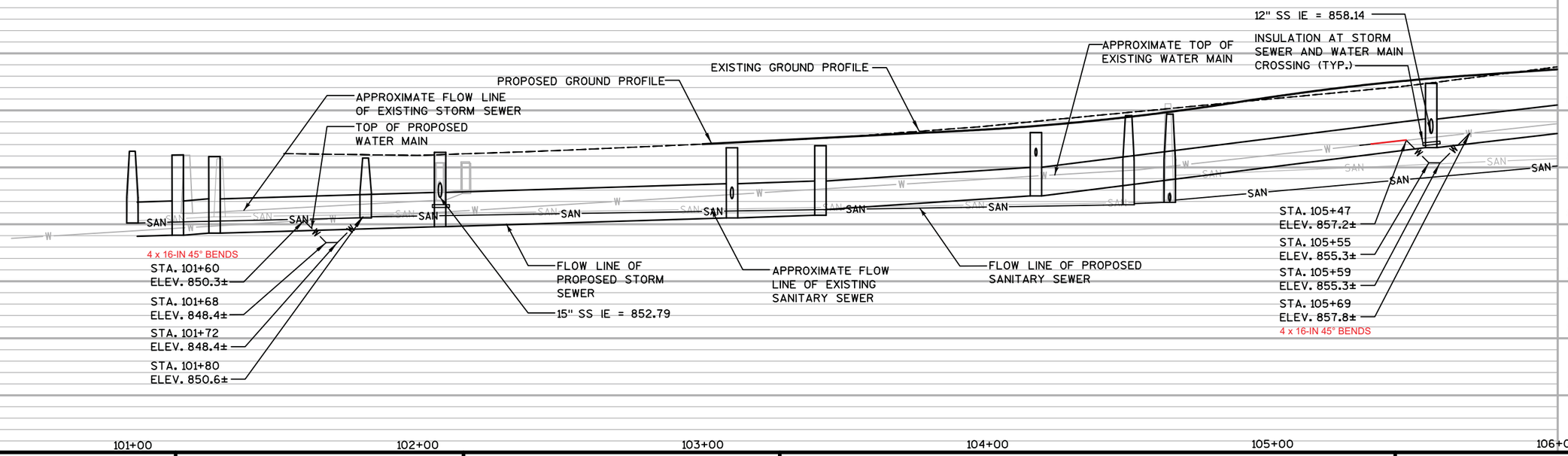
NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

NOTE FOR 4100 MONONA DRIVE AND 4109 BUCKEYE ROAD- FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER.



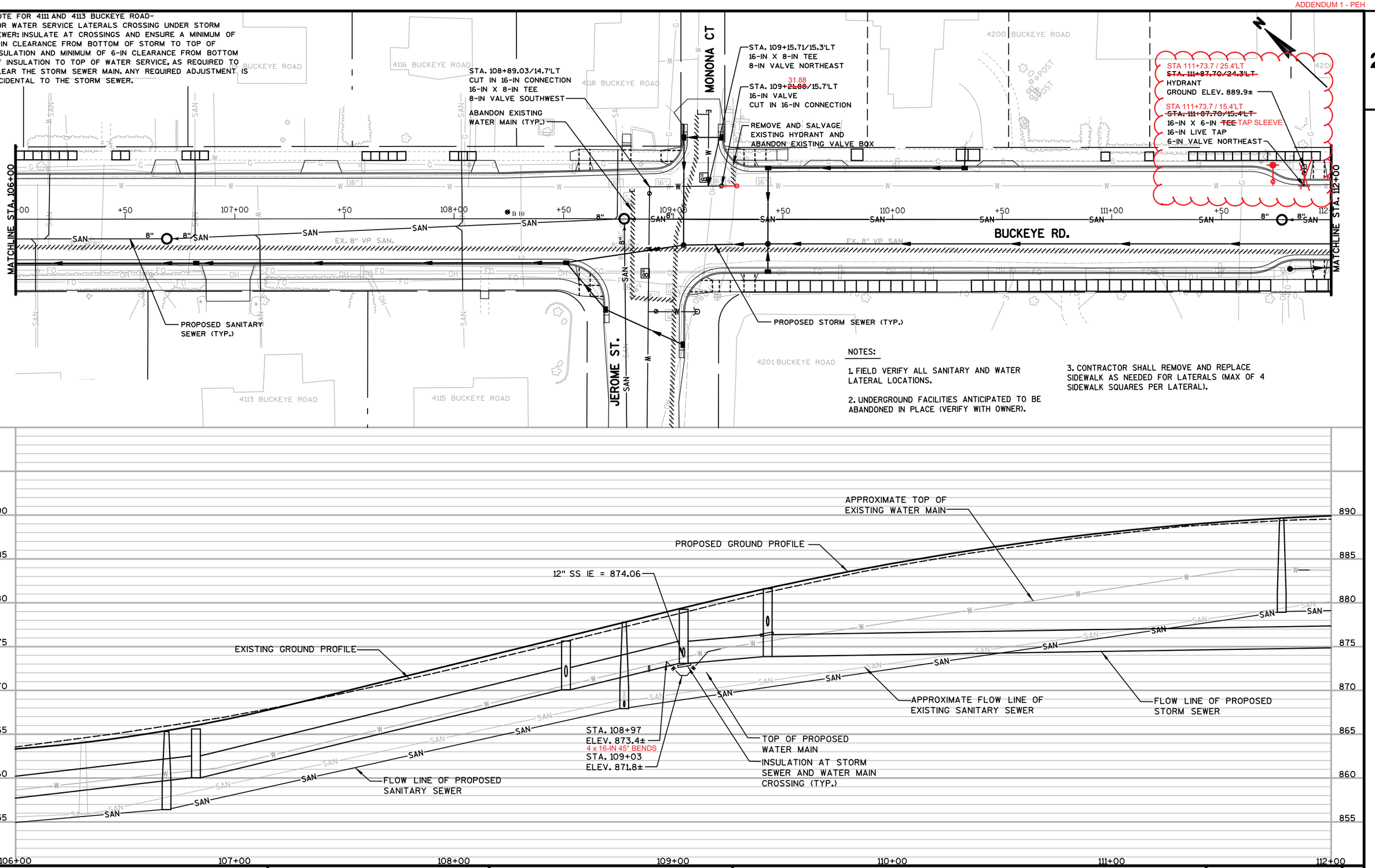
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-1	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023001_up.dgn PLOT DATE : 4/18/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

REVISION 1 - PEH
ADDENDUM 1 - PEH

NOTE FOR 4111 AND 4113 BUCKEYE ROAD-
FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER.



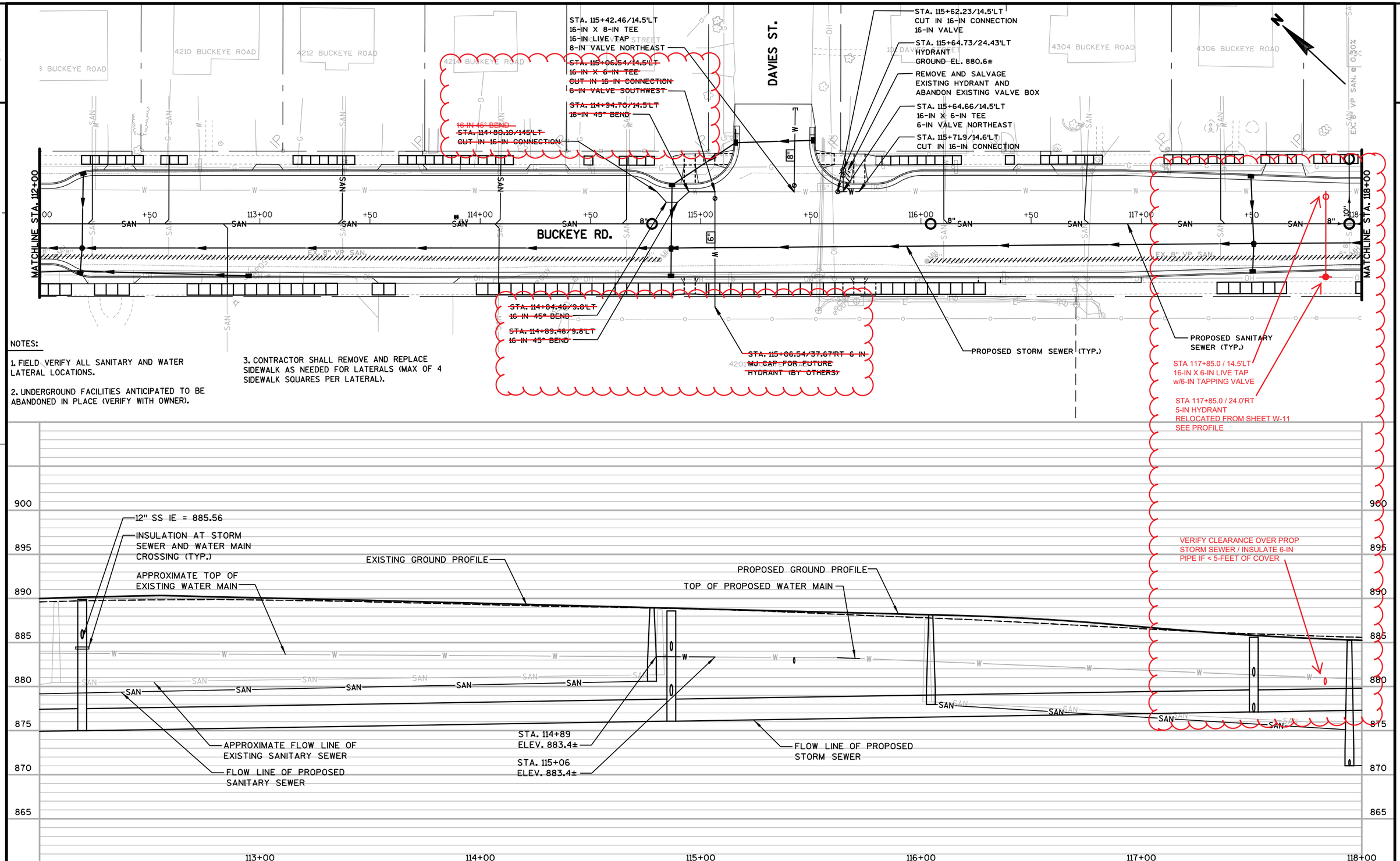
NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-2	E

REVISION 1 - PEH
ADDENDUM 1 - PEH

2



NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-3	E

ADDENDUM 1 - PEH

2

2

STA. 120+16.01/14.5'LT
CUT IN 16-IN CONNECTION

DISCONNECT AND
RECONNECT EXISTING 1-IN
COPPER SERVICE LATERAL

STA. 119+84.01/14.5'LT
CUT IN 16-IN CONNECTION

STA. 120+52.68/14.5'LT
16-IN X 8-IN TEE
CUT IN 16-IN CONNECTION
NORTHWEST, SOUTHEAST
16-IN VALVE SOUTHEAST
8-IN VALVE SOUTHWEST

WATER SERVICE?

MATCHLINE STA. 118+00

MATCHLINE STA. 124+00

BUCKEYE RD.

QUAKER CIR.

PROPSED STORM SEWER (TYP.)

PROPOSED SANITARY
SEWER (TYP.)

NOTE FOR 120 W. LAKEVIEW AVENUE-
FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER.

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

INSULATION AT STORM
SEWER AND WATER MAIN
CROSSING (TYP.)

APPROXIMATE TOP OF
EXISTING WATER MAIN

TOP OF PROPOSED
WATER MAIN

FLOW LINE OF PROPOSED
STORM SEWER

18" SS IE = 878.39

15" SS IE = 881.32

PROPOSED GROUND PROFILE

EXISTING GROUND PROFILE

STA. 119+84
ELEV. 879.8±

STA. 119+99
ELEV. 876.2±

STA. 120+02
ELEV. 876.2±

STA. 120+16
ELEV. 879.8±

4 x 16-IN 45° BENDS

APPROXIMATE FLOW LINE OF
EXISTING SANITARY SEWER

APPROXIMATE
APPARENT BEDROCK

FLOW LINE OF PROPOSED
SANITARY SEWER

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-4	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023004_up.dgn PLOT DATE : 4/18/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

REVISION 1 - PEH
ADDENDUM 1 - PEH

2

E. LAKEVIEW AVE.

W. LAKEVIEW AVE.

MORNINGSIDE AVE.

BUCKEYE RD.

MATCHLINE STA. 124+00

MATCHLINE STA. 130+00

STA. 124+19.80/14.4'LT
CUT IN 16-IN CONNECTION

STA. 124+27.41/14.4'LT
16-IN X 8-IN CROSS
8-IN VAVLE NORTHEAST, SOUTHWEST
CUT IN 16-IN CONNECTION SOUTHEAST

STA. 124+56.63/15.1'LT
16-IN VALVE
CUT IN 16-IN CONNECTION

REMOVE AND SALVAGE EXISTING HYDRANT AND ABANDON EXISTING VALVE BOX

STA. 124+66.81/15.1'LT
CUT IN 16-IN CONNECTION

PROPOSED STORM SEWER (TYP.)

ABANDON EXISTING WATER MAIN (TYP.)

NOTE FOR 101 W LAKEVIEW AVE AND 4405 BUCKEYE RD-
FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER.

SEE W-11

SEE PROFILE:
17.0
STA. 127+~~27.83~~/15.7'LT
~~16-IN X 8-IN TEE~~
CUT IN 16-IN CONNECTION
~~8-IN VALVE SOUTHWEST~~
32.0
STA. 127+~~12.01~~/15.6'LT
CUT IN 16-IN CONNECTION

STA. 127+37.51/11.3'LT
8-IN ~~X 8-IN TEE~~ 90° BEND
~~8-IN VALVE SOUTHEAST~~
~~8-IN X 6-IN REDUCER SOUTHWEST~~

DISCONNECT AND RECONNECT EXISTING 1-IN COPPER SERVICE LATERAL (TYP.)

EXTEND AND RECONNECT 1-IN COPPER SERVICE LATERAL (TYP.)

~~STA. 127+32.47/2.5'LT~~
~~6-IN X 8-IN TEE~~
~~6-IN VALVE NORTHEAST~~

~~STA. 127+27.84/2.5'LT~~
~~8-IN 90° BEND~~

PROPOSED SANITARY SEWER (TYP.)

STA. 129+98.15/1.3'LT
8-IN X 6-IN TEE
6-IN VALVE SOUTHEAST

95.00
STA. 129+~~96.38~~/22.2'RT
HYDRANT
GROUND EL. 933.6±

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

APPROXIMATE APPARENT BEDROCK
PROPOSED GROUND PROFILE
EXISTING GROUND PROFILE
EX WM DEPTH PER ULO DATA; ADJUSTED PROFILE LINE
APPROXIMATE TOP OF EXISTING WATER MAIN
APPROXIMATE POINT OF REFUSAL
FLOW LINE OF PROPOSED SANITARY SEWER
FLOW LINE OF PROPOSED STORM SEWER

4 x 16-IN 45° BENDS
STA 127+32
ELEV. 920.0

STA 127+29
ELEV. 917.0

STA 127+19
ELEV. 917.0

STA 127+17
ELEV. 919.0

ADJUST NEW WATER MAIN TO 6-FT BURY DEPTH (TYP)
EX WM DEPTH PER ULO DATA; ADJUSTED PROFILE LINE
PROPOSED GROUND PROFILE
EXISTING GROUND PROFILE
TOP OF PROPOSED WATER MAIN
12" SS IE = ~~921.53~~
INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)
8-IN CROSSING TOP OF PIPE ~918.5 SEE SHEET W-11
264 LF - 8" D.I. WATER MAIN
STA. 129+09
ELEV. ~~924.1±~~ 927.0

~~STA. 127+28 ELEV. 915.5±~~
~~STA. 127+20 ELEV. 913.2±~~
~~STA. 127+17 ELEV. 913.2±~~
~~STA. 127+12 ELEV. 914.4±~~

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-5	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023005_up.dgn
PLOT DATE : 4/18/2019
PLOT BY : _UserName_
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

REVISION 2 - PEH
ADDENDUM 1 - PEH

NOTE FOR 4703, 4705, AND 4707 BUCKEYE ROAD- FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. (ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER)

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

STA 130+41 / 15.40'LT
12-IN 90 BEND
ROTATED VERTICALLY
SEE PROFILE SHEET W-11

STA. 130+30.93/3.9'LT
8-IN, 22° BEND

STA. 130+43.64/15.40'LT
CUT-IN CONNECTION
12-IN VALVE - WEST

ADJUST EXISITNG WATER MAIN VALVE (TYP.)

EXISTING CLOSED BOUNDARY VALVE. ADJUST EXISTING WATER VALVE (TYP.)

STA. 133+47.97/16.0'LT
11.25° 12-IN BEND

STA. 133+32.90/17.58'LT
CUT-IN 12-IN CONNECTION

DISCONNECT AND RECONNECT EXISTING 1-IN COPPER SERVICE LATERAL (TYP.)

ABANDON EXISTING WATER MAIN (TYP.)

STA. 135+67.21/15.0'LT
12-IN X 8-IN TEE
12-IN VALVE EAST
8-IN VALVE NORTH

MATCHLINE STA. 130+00

MATCHLINE STA. 136+00

BUCKEYE RD.

SHAFFER AVE.

SPAANEM AVE.

TURNER AVE.

STA. 1130+47.51/2.1'LT
16-IN X 8-IN TEE
CUT IN CONNECTIONS

STA. 130+41.69/2.6'LT
8-IN X 12-IN CROSS
12-IN VALVE NORTHEAST, SOUTHWEST
8-IN VALVE SOUTHEAST

PROPOSED STORM SEWER (TYP.)

PROPOSED SANITARY SEWER (TYP.)

EXTEND AND RECONNECT 1-IN COPPER SERVICE LATERAL (TYP.)

STA. 135+89.89/15.0'LT
12-IN X 8-IN TEE

4516 BUCKEYE ROAD
4602 BUCKEYE ROAD
4606 BUCKEYE ROAD
4704 BUCKEYE ROAD
4603 BUCKEYE ROAD
4605 BUCKEYE ROAD
4702 SPAANEM AVENUE
4701 SPAANEM AVENUE
4703 BUCKEYE ROAD
4705 BUCKEYE ROAD
4707 BUCKEYE ROAD

PROPOSED TOP OF 8-IN WATER MAIN ~926.5

MATCH EX WM DEPTH AT CUT-IN CONNECTION

APPROXIMATE TOP OF EXISTING WATER MAIN

PROPOSED GROUND PROFILE

TOP OF PROPOSED WATER MAIN

STA. 133+80
ELEV. 919.4±

EXISTING GROUND PROFILE

INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)

41 LF 8" D.I WATER MAIN

6'(TYP.)

268 LF 12" D.I. WATER MAIN

FLOW LINE OF PROPOSED STORM SEWER

APPROXIMATE APPARENT BEDROCK

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED SANITARY SEWER

18" SS IE = 918.16

PROPOSED TOP OF 12-IN WATER MAIN ~916.6 AT STORM CROSSING

935 930 925 920 915 910 905 900

130+00 131+00 132+00 133+00 134+00 135+00 136+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER UTILITY PLAN	SHEET W-6	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023006_up.dgn PLOT DATE : 4/2/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

REVISION 3 - PEH
REVISION 1 - PEH
ADDENDUM 1 - PEH

NOTE FOR 4801, 4803, 4802, 4807, 4809, 4901, 4903, 4905, 4907, AND 4909 BUCKEYE ROAD-
FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER.

STA. 136+16.91/25.5'LT
HYDRANT
GROUND ELEV. 923.5±

STA. 136+16.90/15.0'LT
12-IN X 6-IN TEE
6-IN WV NORTH

ABANDON EXISTING WATER MAIN (TYP.)

REMOVE AND SALVAGE EXISTING HYDRANT AND ABANDON EXISTING VALVE BOX

STA. 138+94.14/15.0'LT
12-IN X 8-IN CROSS
12-IN VALVE EAST
8-IN VALVE NORTH, SOUTH

DISCONNECT AND RECONNECT EXISTING 1-IN COPPER SERVICE LATERAL (TYP.)

NEW 1-INCH WATER SERVICE TO 4906 BUCKEYE ROAD FRONTAGE

EXTEND AND RECONNECT 1-IN COPPER SERVICE LATERAL (TYP.)

MATCHLINE STA. 136+00

MATCHLINE STA. 142+00

BUCKEYE RD.

MAHER AVE.

ADJUST EXISTING WATER MAIN VALVE (TYP.)

PROPOSED STORM SEWER (TYP.)

PROPOSED SANITARY SEWER (TYP.)

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

STA 136+00
TOP WM ~916.5

STA 137+12
TOP WM ~916.00

APPROXIMATE TOP OF EXISTING WATER MAIN

PROPOSED GROUND PROFILE

TOP OF PROPOSED WATER MAIN

6'(TYP.)

600 LF ~ 16" D.I. WATER MAIN

ABAN. EX. 8" VP SAN

APPROXIMATE APPARENT BEDROCK

APPROXIMATE POINT OF REFUSAL

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

12" SS IE = 915.52
STA 138+47
TOP WM ~914.0 @ XING
SEE SHEET W-13

STA. 139+09
ELEV. ~~912.4±~~
~913.0

STA. 139+28
ELEV. 910.4±

APPROXIMATE APPARENT BEDROCK

APPROXIMATE POINT OF REFUSAL

EXISTING GROUND PROFILE

BLUE LINE: REVISED WATER MAIN PROFILE (TYP.)

INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)

6-FT (TYP.)

FLOW LINE OF PROPOSED SANITARY SEWER

STA 141+65
12" SS IE = 900.66
TOP WM ~899.0 @ XING
FLOW LINE OF PROPOSED STORM SEWER

925 920 915 910 905 900 895 890

136+00 137+00 138+00 139+00 140+00 141+00 142+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-7	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023007_up.dgn PLOT DATE : 4/17/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

REVISION 3 - PEH
REVISION 1 - PEH
ADDENDUM 1 - PEH

STA. 142+20.79/15.0'LT
12-IN X 8-IN TEE
8-IN VALVE NORTH

STA. ~~148~~142+28.08/15.0'LT
12-IN X 8-IN TEE
12-IN VALVE WEST
8-IN VALVE SOUTH

STA. 142+50.50/25.38'LT
HYDRANT
GROUND ELEV. 902.6±

STA. 142+50.48/14.93'LT
12-IN X 6-IN TEE
6-IN VALVE NORTH

STA 143+90.0 / 9.0'LT
6-IN X 6-IN TAPPING SLEEVE
6-IN TAPPING VALVE

CUT OFF & CAP EX 6-IN WM
AT ABANDONMENT

ABANDON EXISTING
WATER MAIN (TYP.)

DISCONNECT AND RECONNECT
EXISTING 1-IN COPPER
SERVICE LATERAL (TYP.)

EXTEND AND RECONNECT
1-IN COPPER SERVICE
LATERAL (TYP.)

STA. 143+94.67/15.45'LT
12-IN, 90° BEND

~~STA. 143+94.67/8.55'LT~~
~~12-IN x 6-IN TEE~~
~~6-IN VAVLE EAST~~
~~CUT-IN 6-IN CONNECTION~~

12-IN WM CROSSES
UNDER EX 6-IN WM
SEE PROFILE

STA 143+95.4 / 2.5'LT
12-IN X 6-IN TEE

GREY LINE DEPICTS
EX WATER MAIN TO
REMAIN (TYP.)

~~STA. 143+64.10/8.12'LT~~
~~CUT-IN 12-IN CONNECTION~~
~~12-IN VALVE WEST~~

MATCHLINE STA 142+00

BUCKEYE RD.

CAMDEN RD.

S. STOUGHTON ROAD

PROPOSED STORM
SEWER (TYP.)

EX 8" VP SAN.

STA 143+90.0 / 2.5'LT
6-IN 90 BEND

PROPOSED SANITARY
SEWER (TYP.)

~~STA. 145+34.47/60.73'RT~~
~~12-IN, 45° BEND~~

STA 143+95.4 / 26.0'RT
12-IN VALVE & BOX

STA 143+95.4 / 31.0'RT
12-IN 90 BEND
CUT-IN CONNECTION

~~STA. 143+95.36/40.2'RT~~
~~12-IN, 90° BEND~~

EX 8" PVC SAN.

S. STOUGHTON
SERVICE ROAD

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

NOTE FOR 5003 BUCKEYE ROAD-
FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER.

STA 142+08
TOP ~897.8
OVER PROP SAN

APPROXIMATE TOP OF
EXISTING WATER MAIN

TOP OF PROPOSED
WATER MAIN

PROPOSED GROUND
PROFILE

BLUE LINE: REVISED
WATER MAIN PROFILE
(TYP.)

EXISTING GROUND
PROFILE

APPROXIMATE FLOW LINE OF
EXISTING STORM SEWER

6' (TYP.)

29X45 SS IE = 896.40

29X45 SS IE = 895.90

240
440 LF - 12" D.I. WATER MAIN

FLOW LINE OF PROPOSED
SANITARY SEWER

STA 143+50 - STA 143+75
LOWER WM AS REQ FOR
SANITARY LATERAL CLEARANCE
AT 5004 & 5006 BUCKEYE RD
TOP ~894.0

APPROXIMATE FLOW LINE OF
EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED
STORM SEWER

~~INSULATION AT STORM~~
~~SEWER AND WATER MAIN~~
~~CROSSING (TYP.)~~

STA 142+40
18" SS IE = 897.26
TOP ~895.5

12-IN X 8-IN TEE TO SOUTH
TOP ~896.1
SEE SHEET W-13

12-IN X 8-IN TEE TO NORTH
TOP ~897.0
SEE SHEET W-13

PROJECT NO:10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-8	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023008_up.dgn
PLOT DATE : 4/17/2019
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

REVISION 1 - PEH
ADDENDUM 1 - PEH

2

STA. 11+11.27.0'RT
8-IN X 4-IN TEE
4-IN VALVE SOUTHEAST

PROPOSED SANITARY SEWER (TYP.)

STA. 10+96.01/7.2'LT
~~8-IN X 6-IN TEE~~ 8-IN X 8-IN TEE
8-IN MJ CAP SOUTHWEST
PROVIDE TEMPORARY FLUSHING DEVCE

DISCONNECT AND RECONNECT 1-IN COPPER SERVICE LATERAL

JEROME ST.

BUCKEYE RD.

ALIGNMENT DATA:

P. 10+00.00
Y: 483,991.62
X: 837,703.25

P. 12+23.67
Y: 494,144.26
X: 837,866.73

P. 13+50.00
Y: 484,230.48
X: 837,959.07

ABANDON EXISTING WATER MAIN (TYP.)

EX 8-IN WM

MONONA CT

STA. 10+95.82/3.7'RT
~~6-IN 90° BEND~~ 8-IN 90° BEND
~~6-IN VALVE~~ 8-IN VALVE
CUT-IN ~~6-IN~~ CONNECTION

STA. 11+81.51/6.3'LT
8-IN X 6-IN TEE
6-IN VALVE SOUTHEAST

STA. 11+10.81/22.2'RT
4-IN 90° BEND
CUT-IN 4-IN CONNECTION

STA. 11+81.51/16.0'RT
HYDRANT
GROUND ELEV. 879.9±

STA. 12+71.56/16.17'RT
CUT-IN 8-IN CONNECTION
w/8-IN 90° BEND

STA. 12+71.52/21.26'RT
8-IN X 8-IN TEE
8-IN MJ CAP NORTHEAST
PROVIDE TEMPORARY FLUSHING DEVICE

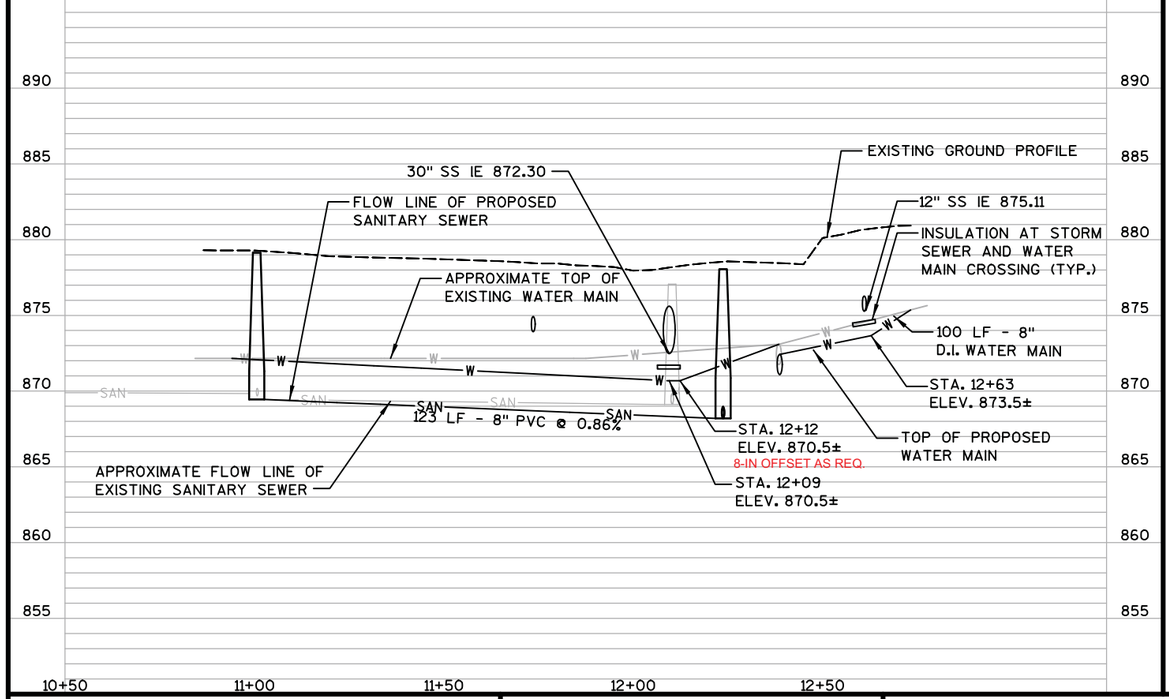
PROPOSED STORM SEWER (TYP.)

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).



2

~~STA.~~
~~6-IN MJ CAP FOR FUTURE~~
~~HYDRANT (BY OTHERS)~~
~~6 FT BEHIND WALK / 27.2'LT~~

BUCKEYE RD.

~~STA. 21+09.25/27.2'LT~~
~~16-IN X 6-IN TEE~~
~~CUT-IN 16-IN CONNECTION SOUTHEAST~~
~~6-IN VALVE SOUTHWEST~~
STA. 21+09.17/8.8'RT
16-IN X 8-IN ~~TEE~~ TAPPING SLEEVE - SEE W-3
~~CUT-IN 16-IN CONNECTION~~
NORTHWEST, SOUTHEAST
8-IN VALVE NORTHEAST
STA. 21+47.34/9.2'RT
8-IN MJ CAP ~~USE TEMP. FLUSH DEVICE~~

DAVIES ST.

PROPOSED STORM SEWER (TYP.)

ALIGNMENT DATA:

P. 20+00.00
Y: 483,612.54
X: 838,233.27

P. 20+94.72
Y: 483,677.18
X: 838,302.51

P. 22+50.00
Y: 483,783.15
X: 838,416.00

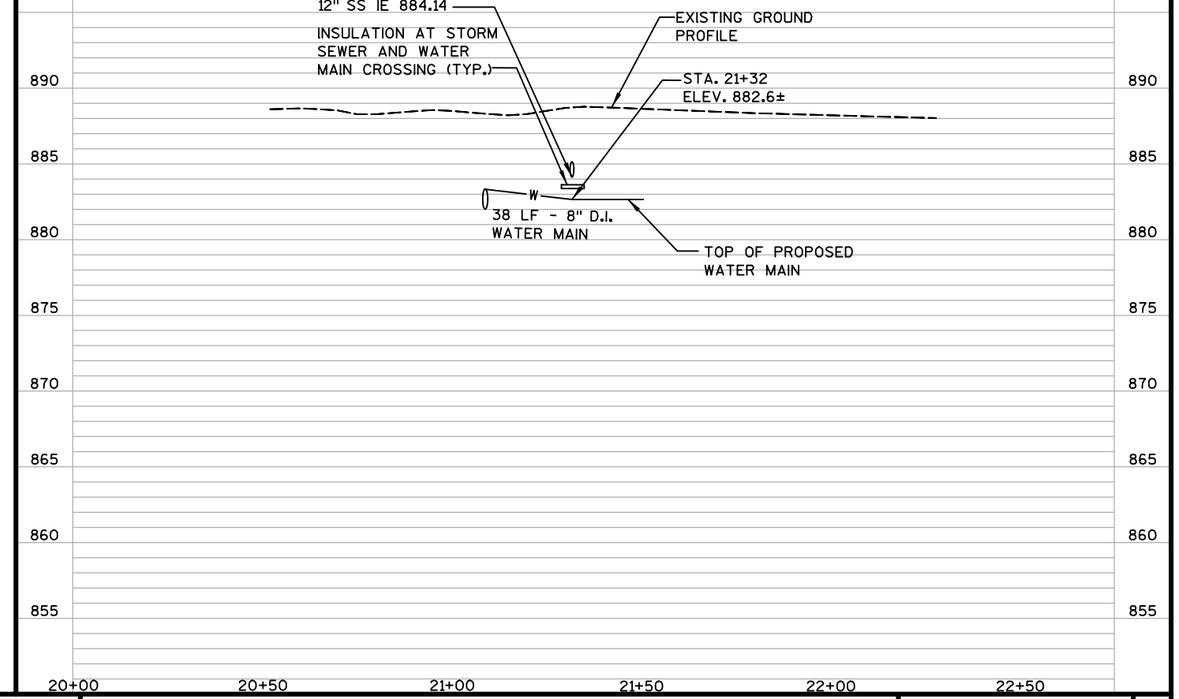
PROPOSED SANITARY SEWER (TYP.)

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-9	E

ADDENDUM 1 - PEH

2

ALIGNMENT DATA:

P. 30+00.00
Y: 483,166.65
X: 838,529.31

P. 31+13.56
Y: 483,245.16
X: 838,611.36

P. 32+50.00
Y: 483,339.49
X: 838,709.93

STA. 31+43.78/22.2'LT
HYDRANT
GROUND ELEV. 884.1±

STA. 31+43.66/7.3'LT
8-IN X 6-IN TEE
6-IN VALVE NORTHWEST

DISCONNECT AND
RECONNECT 1-IN COPPER
SERVICE LATERAL

STA. 31+36.29/7.3'LT
8-IN X 4-IN TEE
8-IN MJ CAP SOUTHWEST

BUCKEYE RD.

QUAKER CIR.

STA. 31+36.05/12.4'RT
4-IN 90° BEND
4-IN VALVE
CUT IN 4-IN CONNECTION

PROPOSED SANITARY
SEWER (TYP.)

ABANDON EXISTING
WATER MAIN (TYP.)

PROPOSED STROM
SEWER (TYP.)

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

INSULATION AT STORM
SEWER AND WATER MAIN
CROSSING (TYP.)

30" SS IE 878.99

EXISTING GROUND
PROFILE

APPROXIMATE FLOW LINE OF
EXISTING STORM SEWER

APPROXIMATE TOP OF
EXISTING WATER MAIN

TOP OF PROPOSED
WATER MAIN

48 LF - 8" D.I.
WATER MAIN

STA. 31+68
ELEV. 877.2±

FLOW LINE OF PROPOSED
SANITARY SEWER

APPROXIMATE FLOW LINE OF
EXISTING SANITARY SEWER

STA. 41+05.95/26.0'LT
HYDRANT
GROUND ELEV. 898.8±

STA. 41+06.04/3.9'LT
8-IN X 6-IN TEE
6-IN VALVE NORTHWEST

STA. 40+91.05/3.89'LT
8-IN X 6-IN TEE,
MJ CAP SOUTHWEST
PROVIDE TEMPORARY
FLUSHING DEVICE

W. LAKEVIEW AVE.

BUCKEYE RD.

STA. 40+91.05/1.00'RT
CUT-IN 6-IN CONNECTION
w/6-IN 90° BEND

STA. 41+58.50/4.1'LT
16-IN x 8-IN CROSS

STA. 42+03.39/8.77'LT
CUT IN 6-IN CONNECTION
w/6-IN 90° BEND

STA. 42+03.62/4.1'LT
8-IN x 6-IN TEE
MJ CAP NORTHEAST

E. LAKEVIEW AVE.

ABANDON EXISTING WATER MAIN

PROPOSED SANITARY SEWER (TYP.)

PROPOSED STORM SEWER (TYP.)

EX. 8" VP SAN. @ 0.30%

EX. 8" VP SAN.

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

ALIGNMENT DATA:

P. 40+00.00
Y: 482,922.65
X: 838,809.85

P. 41+44.09
Y: 483,020.99
X: 838,915.17

P. 42+50.00
Y: 483,093.27
X: 838,992.58

STA. 41+16
ELEV. 894.6±

STA. 41+28
ELEV. 894.6±

18" SS IE = 895.13

EXISTING GROUND PROFILE

APPROXIMATE TOP OF
EXISTING WATER MAIN

TOP OF PROPOSED
WATER MAIN

INSULATION AT STORM
SEWER AND WATER
MAIN CROSSING (TYP.)

STA. 41+86
ELEV. 893.5±
8-IN OFFSET AS REQ.

116 LF - 8" D.I.
WATER MAIN

APPROXIMATE FLOW LINE OF
EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED
SANITARY SEWER

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-10	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023010_up.dgn PLOT DATE : 4/18/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

REVISION 2 - PEH
REVISION 1 - PEH
ADDENDUM 1 - PEH

2

STA 51+04.0 / 20'LT
5-IN HYDRANT (NEW)

STA 51+04.0 / 8.2'RT
8-IN X 6-IN TEE
6-IN VALVE NORTHWEST

RELOCATE TO SHEET W-3
~~REMOVE AND SALVAGE~~ EXISTING HYDRANT AND ABANDON EXISTING VALVE BOX

EXISTING CLOSED BOUNDARY VALVE. ABANDON EXISTING WATER MAIN

PROPOSED SANITARY SEWER (TYP.)

EX 3-IN C.I.

~~STA. 50+36.58/8.2'RT~~
~~HYDRANT~~
~~GROUND ELEV. 924.5±~~

~~STA. 50+63.21/8.2'RT~~
~~8-IN X 6-IN TEE~~

STA. 50+72.01/8.2'RT
8-IN 90° BEND
~~8-IN X 6-IN REDUCER~~
~~SOUTHWEST~~
~~6-IN VALVE SOUTHWEST~~

STA. 51+~~25.33~~15.33/7.8'RT
CUT-IN 8-IN CONNECTION
8-IN VALVE w/8-IN X 3-IN REDUCER

DISCONNECT AND RECONNECT 1-IN COPPER SERVICE LATERAL

PROPOSED STORM SEWER (TYP.)

STA 50+82.0 / 8.2'RT
8-IN X 8-IN TEE

STA 50+82.0 / 13.2'RT
8-IN 90 BEND

STA 50+77.0 / 13.2'RT
16-IN X 8-IN TAPPING SLEEVE
8-IN TAPPING VALVE
NEW BOUNDARY VALVE

BUCKEYE RD.
MORNINGSIDE AVENUE
101 MORNINGSIDE AVENUE

ALIGNMENT DATA:

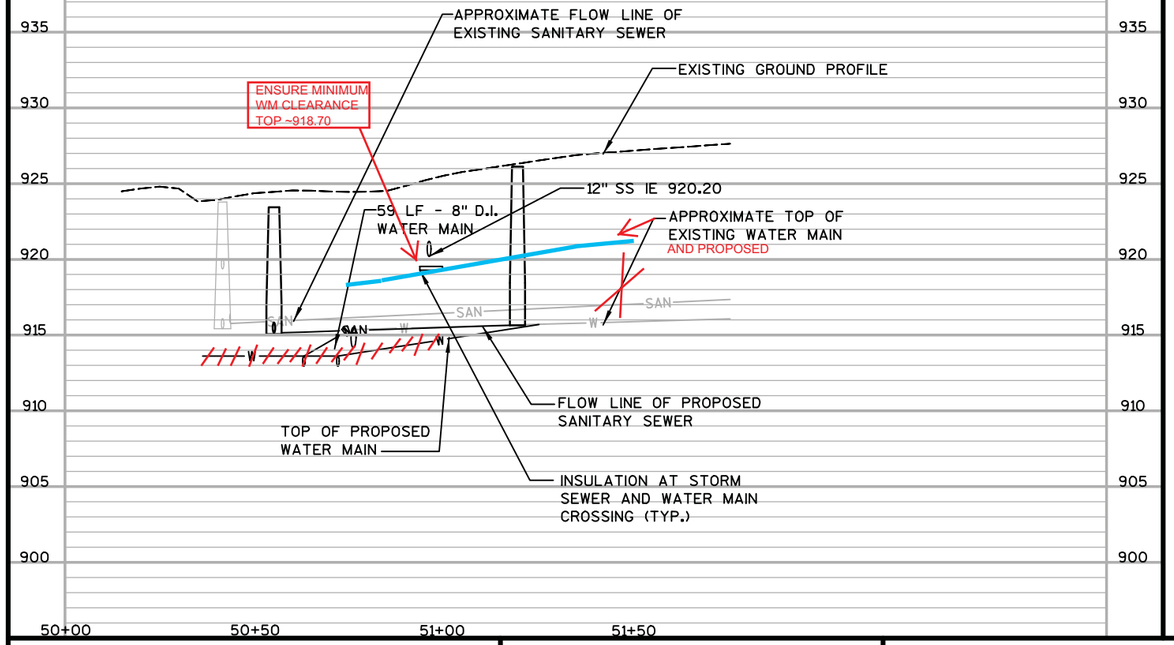
P. 50+00.00
Y: 482,765.50
X: 839,070.66

P. 50+60.71
Y: 482,806.93
X: 839,115.03

P. 51+75.00
Y: 482,885.34
X: 839,199.01

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).



ALIGNMENT DATA:

P. 60+00.00
Y: 482,438.23
X: 839,331.81

P. 61+64.37
Y: 482,602.48
X: 839,337.91

P. 62+22.75
Y: 482,660.82
X: 839,340.08

STA. 60+93.86/1.6'RT
12-IN MJ CAP

SHAFFER AVE.

EX SAS 6450-014

EX 8" VP SAN.

STA. 61+16.63/13.2'RT
16-IN CUT-IN CONNECTION

STA. 61+24.16/13.8'RT
16-IN CUT-IN CONNECTION
16-IN VALVE

REMOVE AND SALVAGE EXISTING HYDRANT AND ABANDON EXISTING VALVE BOX

PROPOSED SANITARY SEWER (TYP.)

PROPOSED STORM SEWER (TYP.)

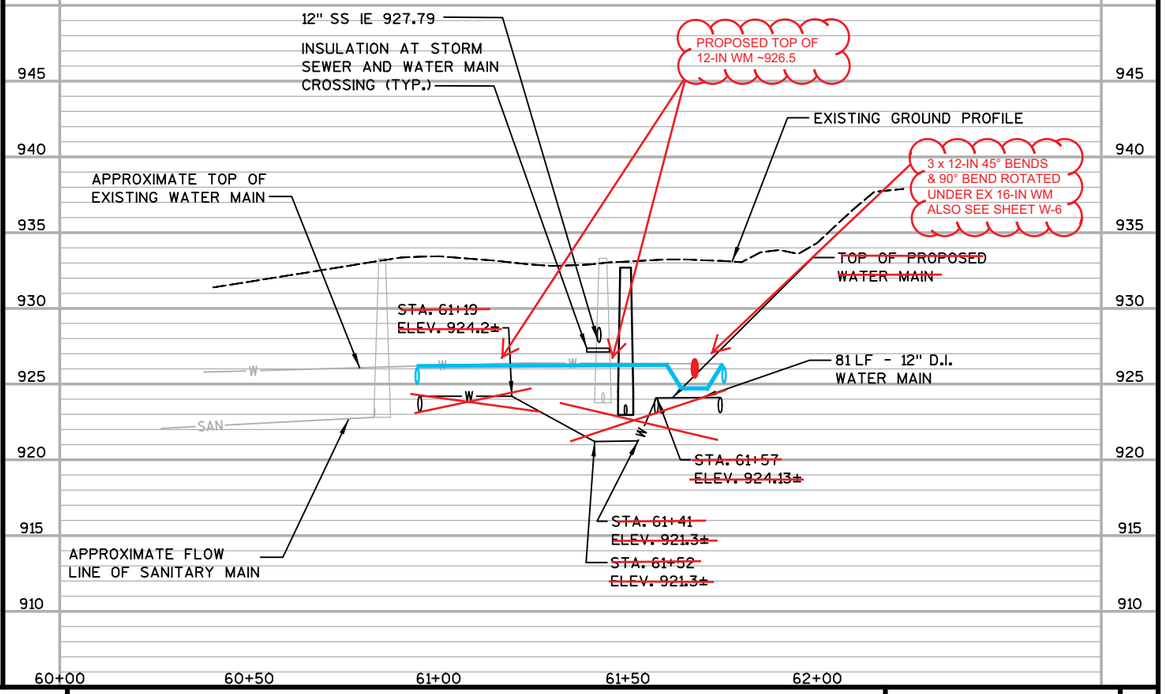
STA. 61+57.62/11.8'RT
12-IN x 8-IN CROSS
12-IN VALVE SOUTH, NORTH
8-IN VALVE EAST

USE FITTINGS AND ROTATE 90 BEND UNDER EX 16-IN WM SEE PROFILE AND SHEET W-6

BUCKEYE RD.

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-11	E

REVISION 1 - PEH
ADDENDUM 1 - PEH

2

STA 71+00.0 / 12.0'LT
12-IN X 6-IN TEE
w/12-IN MJ PLUG
w/TEMP FLUSHING DEVICE

REPLACE ADJACENT
EX 8-IN X 6-IN TEE
w/6-IN SOLID SLEEVE

PROPOSED STORM SEWER (TYP.)

STA 71+64.0 / 12.0'LT
12-IN X 12-IN TEE
CUT-IN CONNECTION

REPLACE ADJACENT
EX 12-IN X 8-IN TEE
w/12-IN SOLID SLEEVE

STA 71+56 / 8.0'LT
12-IN VALVE & BOX

REMOVE EXISTING 8-IN WM
PARALLEL TO NEW 12-IN WM

EX SAS 6550-005

SPAANEM AVE.

4702 SPAANEM AVENUE
4701 SPAANEM AVENUE
4703 BUCKEYE
4604 BUCKEYE ROAD
4606 BUCKEYE ROAD

ALIGNMENT DATA:

P. 70+00.00
Y: 482,415.66
X: 839,589.96

P. 71+45.36
Y: 482,560.92
X: 839,595.36

P. 72+00.00
Y: 482,615.52
X: 839,597.39

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

940
935
930
925
920
915
910
905

APPROXIMATE TOP OF EXISTING WATER MAIN PROPOSED
FLOW LINE OF EXISTING SANITARY SEWER

ENSURE MINIMUM STORM CLEARANCE;
TOP OF PROPOSED WATER ~920.5
@ STORM XING / STA 71+25

EXISTING GROUND PROFILE

FLOW LINE OF PROPOSED SANITARY SEWER

70+00 70+50 71+00 71+50 72+00

BUCKEYE RD.

TURNER AVE.

STA. 81+82.49/23.3'LT
HYDRANT
GROUND ELEV. ~~923.6±~~
STA. 81+82.19/11.2'LT
8-IN X 6-IN TEE
6-IN VALVE WEST
STA. 81+95.79/11.0'LT
8-IN X 6-IN TEE
8-IN MJ CAP NORTH
PROVIDE TEMPORARY
FLUSHING DEVICE
STA. 81+95.53/2.7'RT
6-IN 90° BEND
CUT-IN 6-IN CONNECTION

PROPOSED STORM SEWER (TYP.)

STA. 81+07.96/8.0'RT
CUT-IN 8-IN CONNECTION

PROPOSED SANITARY SEWER (TYP.)

4803 BUCKEYE ROAD
4806 BUCKEYE ROAD

ALIGNMENT DATA:

P. 80+00.00
Y: 482,384.38
X: 839,883.86

P. 81+37.75
Y: 482,522.13
X: 839,884.53

P. 82+50.00
Y: 482,634.38
X: 839,885.08

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

940
935
930
925
920
915
910
905

24" SS IE 916.84

INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)

EXISTING GROUND PROFILE

APPROXIMATE TOP OF EXISTING WATER MAIN

15" SS IE 918.52

88 LF - 8" D.I. WATER MAIN

TOP OF PROPOSED WATER MAIN

STA. 81+26
ELEV. 916.3±

STA. 81+76
ELEV. 916.8±
8-IN OFFSET AS REQ.

4 x 8-IN 45° BENDS

STA. 81+11
ELEV. 915.0±

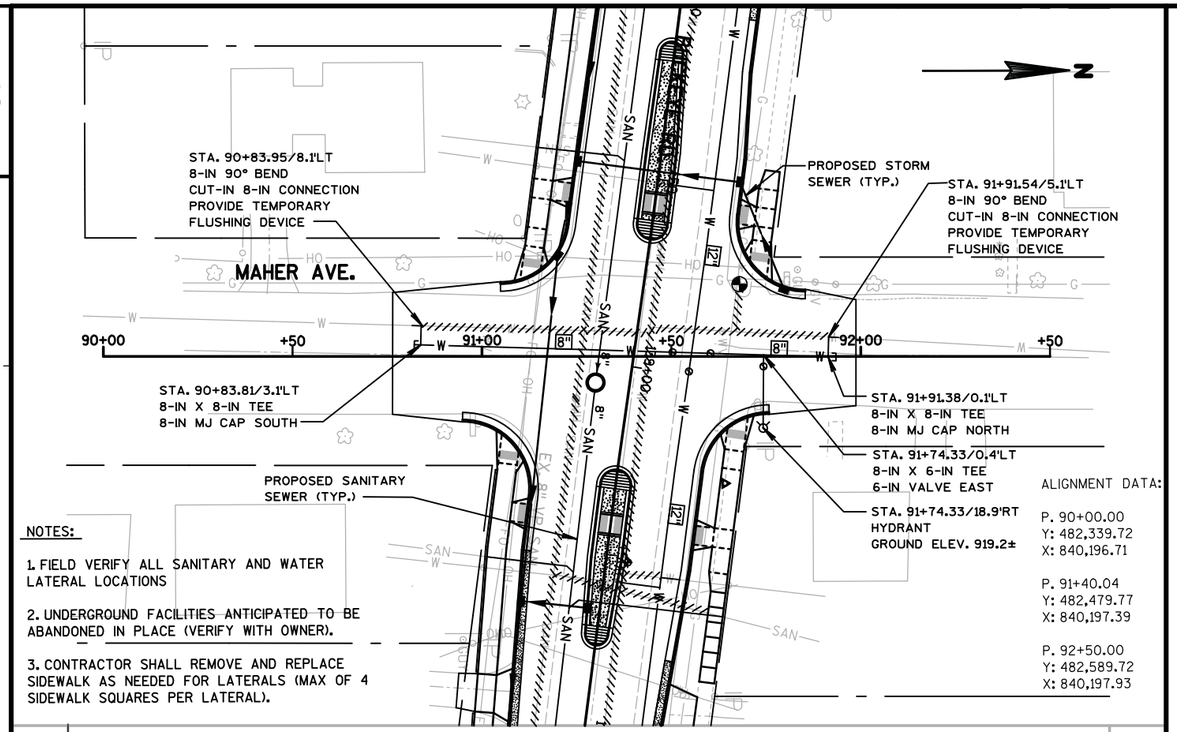
STA. 81+22
ELEV. 915.0±

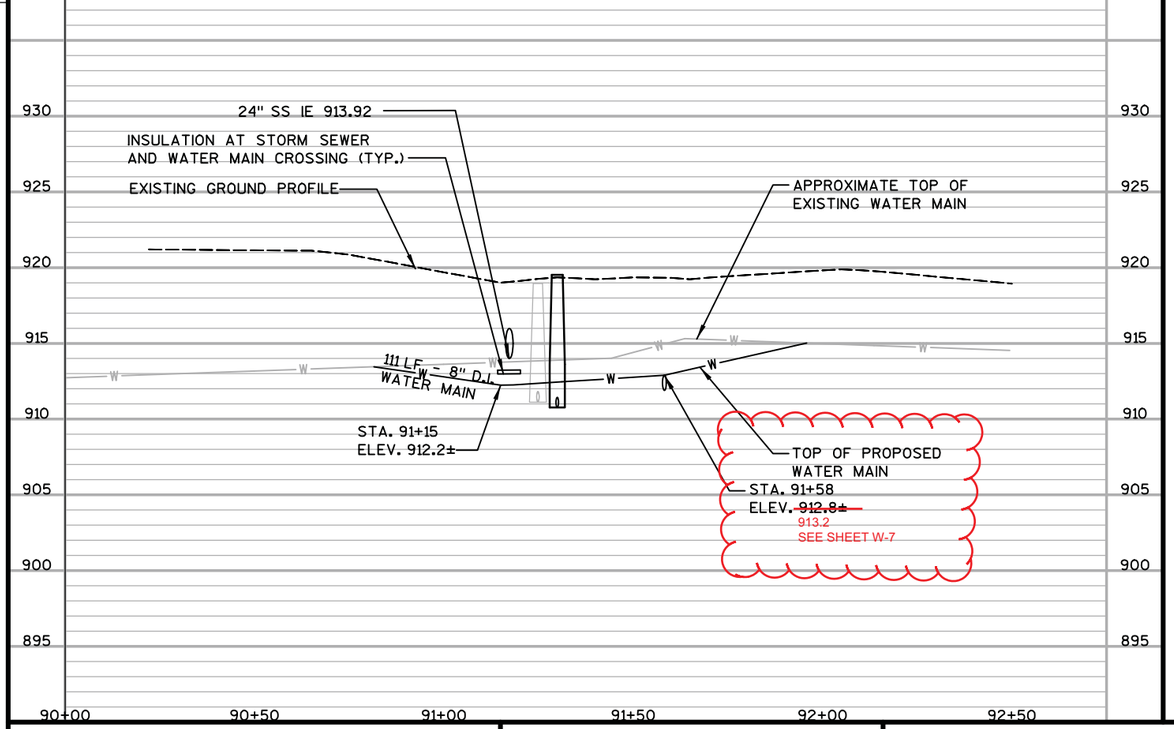
80+00 80+50 81+00 81+50 82+00 82+50

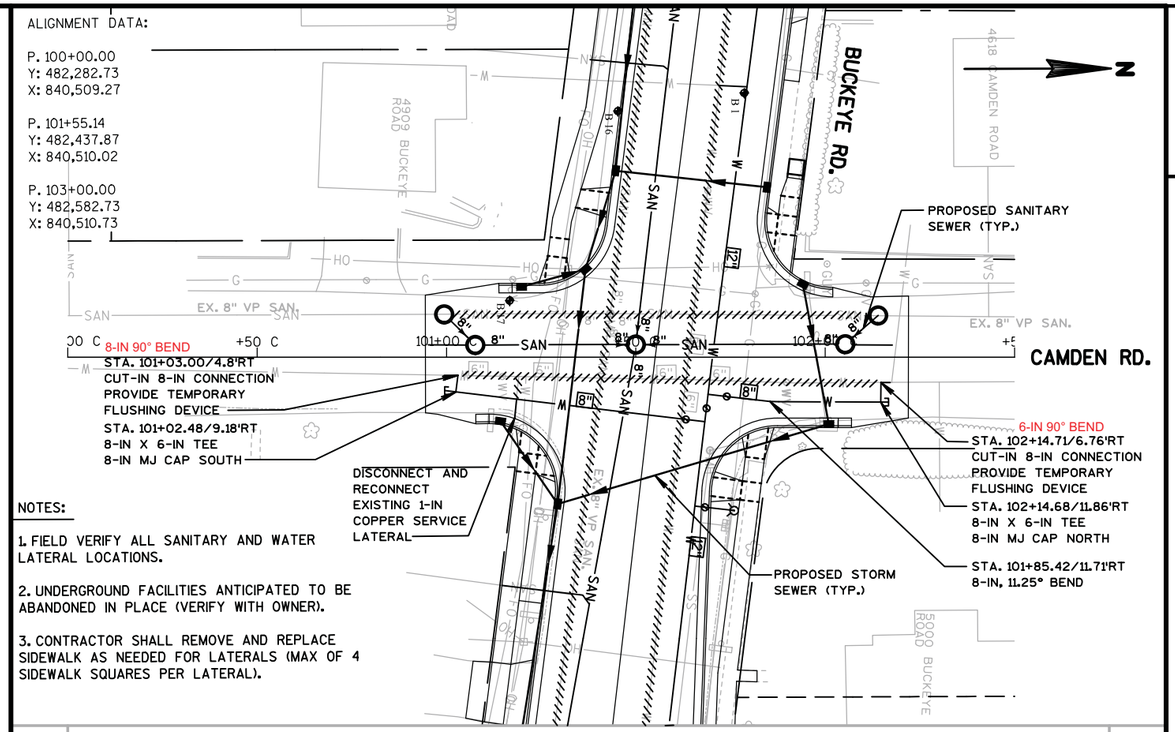
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-12	E

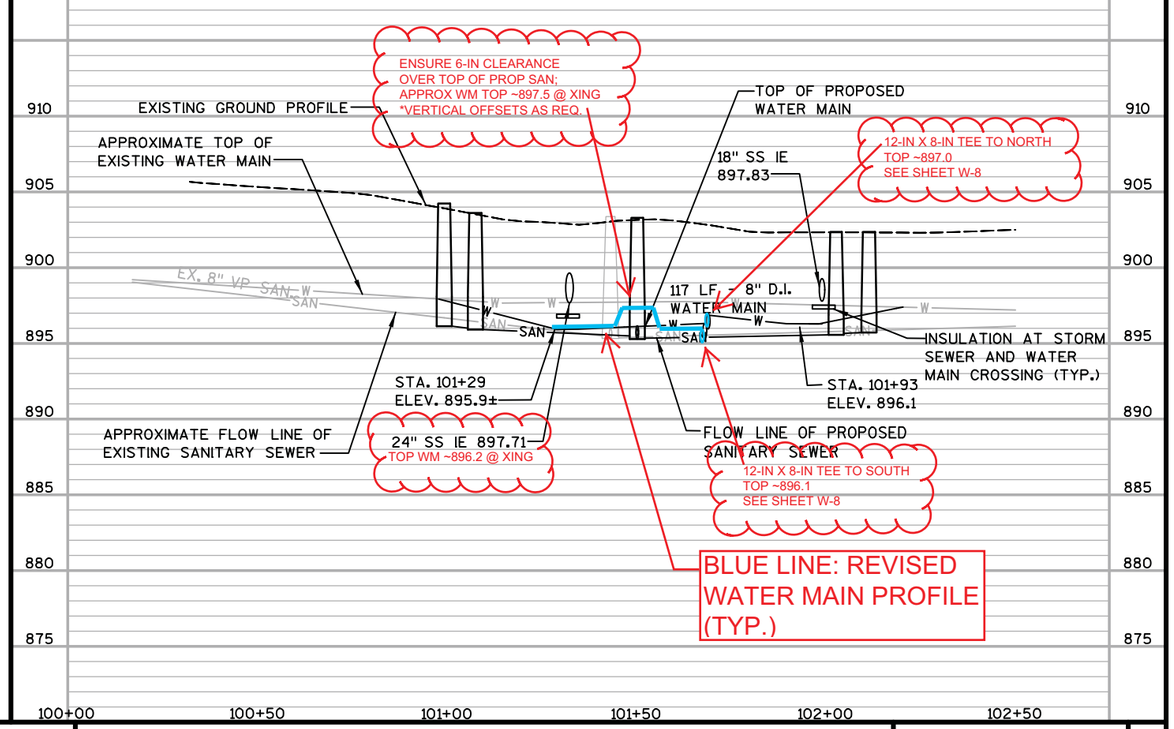
REVISION 3 - PEH
REVISION 1 - PEH
ADDENDUM 1 - PEH

2









PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-13	E

ADDENDUM 1 - PEH

3

3

MISCELLANEOUS WATER MAIN ITEMS

STATION	OFFSET	70080 CUT-IN EXISTING WATER CONNECTION EACH	70040 FURNISH, INSTALL & SALVAGE HYDRANT EACH	70082 CUT OFF EXISTING WATER MAIN EACH	70081 FURNISH EXCAVATION & DITCH FOR LIVE TAP EACH	70090 ABANDON WATER VALVE BOX EACH	70104 ADJUST WATER VALVE BOX SECTION EACH	70030 FURNISH AND INSTALL WATER VALVE 4-INCH EACH	70031 6-INCH EACH	70032 8-INCH EACH	70034 12-INCH EACH	70035 16-INCH EACH
101+14.72	15.6'LT	---	---	1	---	---	---	---	---	---	---	---
101+15.15	14.0'LT	---	---	---	---	---	1	---	---	---	---	---
101+34.33	34.7'LT	---	1	---	---	---	---	---	---	---	---	---
101+34.51	17.9'LT	---	---	---	1	---	---	---	---	---	---	---
101+34.49	19.9'LT	---	---	---	---	---	---	---	1	---	---	---
101+50.59	17.8'LT	---	---	---	---	---	1	---	---	---	---	---
101+60.07	17.7'LT	1	---	---	---	---	---	---	---	---	---	---
101+80.07	17.6'LT	1	---	---	---	---	---	---	---	---	---	---
104+51.46	15.9'LT	1	---	---	---	---	---	---	---	---	---	1
104+53.77	15.9'LT	---	---	1	---	---	---	---	---	---	---	---
104+53.83	23.7'LT	---	---	---	---	1	---	---	---	---	---	---
104+56.42	15.9'LT	1	---	---	---	---	---	---	---	---	---	---
105+33.11	15.7'LT	---	---	---	1	---	---	---	---	---	---	---
105+33.10	17.7'LT	---	---	---	---	---	---	---	1	---	---	---
105+33.11	24.8'LT	---	1	---	---	---	---	---	---	---	---	---
105+47.01	15.7'LT	1	---	---	---	---	---	---	---	---	---	---
105+67.01	15.7'LT	1	---	---	---	---	---	---	---	---	---	---
108+81.04	14.5'LT	---	---	1	---	---	---	---	---	---	---	---
108+89.04	14.7'LT	1	---	---	---	---	---	---	---	---	---	---
108+89.05	11.7'LT	---	---	---	---	---	---	---	---	1	---	---
109+15.66	18.5'LT	---	---	---	---	---	---	---	---	1	---	---
109+21.96	15.4'LT	---	---	---	---	---	---	---	---	---	---	1
109+26.79	23.9'LT	---	---	---	---	1	---	---	---	---	---	---
109+21.88	15.7'LT	1	---	---	---	---	---	---	---	---	---	---
109+27.56	15.5'LT	---	---	1	---	---	---	---	---	---	---	---
111+87.70	15.4'LT	---	---	---	1	---	---	---	---	---	---	---
111+87.70	21.3'LT	---	---	---	---	---	---	---	1	---	---	---
111+87.70	24.3'LT	---	1	---	---	---	---	---	---	---	---	---
114+80.10	14.5'LT	1	---	---	---	---	---	---	---	---	---	---
115+06.54	14.6'LT	1	---	---	---	---	---	---	---	---	---	---
115+06.54	11.5'LT	---	---	---	---	---	---	---	1	---	---	---
115+06.54	37.7'RT	1	---	---	---	---	---	---	---	---	---	---
115+42.46	14.5'LT	---	---	---	1	---	---	---	---	---	---	---
115+42.49	17.4'LT	---	---	---	---	---	---	---	---	1	---	---
115+62.23	14.6'LT	1	---	---	---	---	---	---	---	---	---	1
115+64.78	21.9'LT	---	---	---	---	---	---	---	1	---	---	---
115+64.73	24.4'LT	---	1	---	---	---	---	---	---	---	---	---
115+66.61	23.2'LT	---	---	---	---	1	---	---	---	---	---	---
115+66.95	14.6'LT	---	---	1	---	---	---	---	---	---	---	---
115+71.94	14.6'LT	1	---	---	---	---	---	---	---	---	---	---
119+84.01	14.5'LT	1	---	---	---	---	---	---	---	---	---	---
120+16.01	14.6'LT	1	---	---	---	---	---	---	---	---	---	---
120+48.60	14.4'LT	1	---	---	---	---	---	---	---	---	---	---
120+52.63	11.5'LT	---	---	---	---	---	---	---	---	1	---	---
120+55.63	14.5'LT	1	---	---	---	---	---	---	---	---	---	1
124+19.80	14.2'LT	1	---	---	---	---	---	---	---	---	---	---
124+27.43	11.3'LT	---	---	---	---	---	---	---	---	1	---	---
124+27.44	17.4'LT	---	---	---	---	---	---	---	---	1	---	---
124+29.80	14.5'LT	1	---	---	---	---	---	---	---	---	---	---
124+56.63	15.1'LT	1	---	---	---	---	---	---	---	---	---	1
124+61.90	18.8'LT	---	---	---	---	1	---	---	---	---	---	---
SUBTOTALS		20	4	5	4	4	2	---	5	6	---	5

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MISCELLANEOUS WATER MAIN ITEMS CON'T

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN MISCELLANEOUS QUANTITIES	SHEET W-14	E

ADDENDUM 1 - PEH

MISCELLANEOUS WATER MAIN ITEMS CON'T

STATION	OFFSET	70080 CUT-IN EXISTING WATER CONNECTION EACH	70040 FURNISH, INSTALL & SALVAGE HYDRANT EACH	70082 CUT OFF EXISTING WATER MAIN EACH	70081 FURNISH EXCAVATION & DITCH FOR LIVE TAP EACH	70090 ABANDON WATER VALVE BOX EACH	70104 ADJUST WATER VALVE BOX SECTION EACH	70030 FURNISH AND INSTALL WATER VALVE 4-INCH EACH	70031 6-INCH EACH	70032 8-INCH EACH	70034 12-INCH EACH	70035 16-INCH EACH
124+66.81	15.2'LT	1	---	---	---	---	---	---	---	---	---	---
127+12.01	15.6'LT	1	---	---	---	---	---	---	---	---	---	---
127+18.58	15.7'LT	---	---	1	---	---	---	---	---	---	---	---
127+27.83	15.8'LT	1	---	---	---	---	---	---	---	---	---	---
127+27.84	12.8'LT	---	---	---	---	---	---	---	---	1	---	---
127+34.83	11.2'LT	---	---	---	---	---	---	---	---	1	---	---
127+32.47	5.5'LT	---	---	---	---	---	---	---	1	---	---	---
129+96.98	22.22'RT	---	1	---	---	---	---	---	---	---	---	---
129+97.99	1.6'RT	---	---	---	---	---	---	---	1	--	---	---
130+35.04	11.1'LT	---	---	1	---	---	---	---	---	--	---	---
130+35.06	10.3'LT	---	---	---	---	---	1	---	---	--	---	---
130+41.90	15.1'LT	1	---	---	---	---	---	---	---	--	1	---
130+41.21	0.9'LT	---	---	---	---	---	---	---	---	--	1	---
130+42.06	5.4'RT	---	---	---	---	---	---	---	---	--	1	---
130+44.53	2.2'RT	---	---	---	---	---	---	---	---	1	---	---
130+47.04	1.0'LT	1	---	---	---	---	---	---	---	---	---	---
130+47.95	5.2'RT	1	---	---	---	---	---	---	---	---	---	---
130+57.49	13.5'LT	---	---	---	---	---	1	---	---	---	---	---
132+88.05	17.1'LT	---	---	---	---	---	1	---	---	---	---	---
133+32.45	9.7'LT	---	---	---	---	1	---	---	---	---	---	---
133+32.84	20.0'LT	---	---	---	---	---	1	---	---	---	---	---
133+32.90	17.6'LT	1	---	1	---	---	---	---	---	---	---	---
135+78.09	15.0'LT	---	---	---	---	---	---	---	---	---	1	---
136+16.90	17.1'LT	---	---	---	---	---	---	---	1	---	---	---
136+16.90	25.6'LT	---	1	---	---	---	---	---	---	---	---	---
138+67.47	3.0'LT	---	---	---	---	1	---	---	---	---	---	---
138+99.14	15.0'LT	---	---	---	---	---	---	---	---	---	1	---
141+67.37	8.3'LT	---	---	---	---	1	---	---	---	---	---	---
142+24.53	15.0'LT	---	---	---	---	---	---	---	---	---	1	---
142+50.48	17.5'LT	---	---	---	---	---	---	---	1	---	---	---
142+50.50	25.4'LT	---	1	---	---	---	---	---	---	---	---	---
143+62.56	6.8'LT	---	---	---	---	1	---	---	---	---	---	---
143+94.05	8.9'LT	---	---	1	---	---	---	---	---	---	---	---
143+96.94	8.6'LT	---	---	---	---	---	---	---	1	---	---	---
143+98.87	8.6'LT	1	---	---	---	---	---	---	---	---	---	---
145+77.00	43'RT	---	---	---	---	---	---	---	---	---	1	---
145+78.87	48.7'LT	---	---	---	---	---	1	---	---	---	---	---
145+79.22	43.1'RT	1	---	1	---	---	---	---	---	---	---	---
10+93.53	3.6'RT	1	---	---	---	---	---	---	---	1	---	---
10+95.91	3.6'RT	---	---	1	---	---	---	---	---	---	---	---
11+06.84	22.2'RT	1	---	---	---	---	---	---	---	---	---	---
11+11.15	4.2'RT	---	---	---	---	---	---	1	---	---	---	---
11+07.16	5.8'RT	---	---	---	---	1	---	---	---	---	---	---
11+81.47	16.1'RT	---	1	---	---	---	---	---	---	---	---	---
11+81.66	2.8'RT	---	---	---	---	---	---	---	1	---	---	---
11+86.49	3.9'RT	---	---	---	---	1	---	---	---	---	---	---
11+86.41	5.5'RT	---	---	1	---	---	---	---	---	---	---	---
11+89.50	13.9'LT	---	---	---	---	1	---	---	---	---	---	---
12+71.56	16.2'RT	---	---	1	---	---	---	---	---	---	---	---
12+73.58	16.2'RT	1	---	---	---	---	---	---	---	---	---	---
31+33.13	12.3'RT	1	---	---	---	---	---	1	---	---	---	---
31+36.05	12.4'RT	---	---	1	---	---	---	---	---	---	---	---
31+43.83	10.3'LT	---	---	---	---	---	---	---	1	---	---	---
31+43.83	22.4'RT	---	1	---	---	---	---	---	---	---	---	---
40+91.05	1.0'RT	1	---	1	---	---	---	---	---	---	---	---
SUBTOTALS		14	5	10	---	7	5	2	7	4	7	---

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN MISCELLANEOUS QUANTITIES	SHEET W-15	E

ADDENDUM 1 - PEH

MISCELLANEOUS WATER MAIN ITEMS CON'T

STATION	OFFSET	70080 CUT-IN EXISTING WATER CONNECTION EACH	70040 FURNISH, INSTALL & SALVAGE HYDRANT EACH	70082 CUT OFF EXISTING WATER MAIN EACH	70081 FURNISH EXCAVATION & DITCH FOR LIVE TAP EACH	70090 ABANDON WATER VALVE BOX EACH	70104 ADJUST WATER VALVE BOX SECTION EACH	70030 FURNISH AND INSTALL WATER VALVE 4-INCH EACH	70031 6-INCH EACH	70032 8-INCH EACH	70034 12-INCH EACH	70035 16-INCH EACH
41+03.37	2.0'LT	---	---	---	---	1	---	---	---	---	---	---
41+05.94	7.2'LT	---	---	---	---	---	---	---	1	---	---	---
41+05.95	26.0'RT	---	1	---	---	---	---	---	---	---	---	---
41+76.31	8.6'LT	---	---	---	---	1	---	---	---	---	---	---
42+03.39	8.9'RT	1	---	1	---	---	---	---	---	---	---	---
50+36.58	8.2'RT	---	1	---	---	---	---	---	---	---	---	---
50+92.53	5.7'LT	---	---	---	---	1	---	---	---	---	---	---
51+06.64	7.7'RT	---	---	1	---	---	---	---	---	---	---	---
51+25.31	7.7'RT	1	---	---	---	---	---	---	---	1		---
61+16.63	13.2'RT	1	---	---	---	---	---	---	---	---	---	---
61+19.52	16.7'RT	---	---	---	---	1	---	---	---	---	---	---
61+24.14	13.8'RT	1	---	---	---	---	---	---	---	---	---	1
70+99.07	3.7'LT	---	---	---	---	---	1	---	---	---	---	---
71+09.45	9.1'LT	---	---	---	---	---	1	---	---	---	---	---
80+94.80	26.0'RT	---	---	---	---	---	1	---	---	---	---	---
80+98.41	3.0'LT	---	---	---	---	---	1	---	---	---	---	---
80+98.70	2.2'LT	---	---	1	---	---	---	---	---	---	---	---
81+01.11	7.8'RT	---	---	---	---	---	1	---	---	---	---	---
81+07.96	8.0'RT	1	---	---	---	---	---	---	---	---	---	---
81+59.24	11.6'LT	---	---	---	---	---	---	---	---	1	---	---
81+71.01	2.5'RT	---	---	---	---	1	---	---	---	---	---	---
81+82.26	14.2'RT	---	---	---	---	---	---	---	1	---	---	---
81+82.49	23.3'RT	---	1	---	---	---	---	---	---	---	---	---
81+98.66	2.8'RT	1	---	1	---	---	---	---	---	---	---	---
90+81.52	8.1'LT	1	---		---	---	---	---	---	---	---	---
90+83.95	8.1'LT	---	---	---	---	---	---	---	---	---	---	---
91+01.44	7.6'LT	---	---	---	---	1	---	---	---	---	---	---
91+50.35	1.0'LT	---	---	---	---	---	---	---	---	1	---	---
91+60.33	0.8'LT	---	---	---	---	---	---	---	---	1	---	---
91+63.56	6.5'LT	---	---	---	---	1	---	---	---	---	---	---
91+74.34	2.6'RT	---	---	---	---	---	---	---	1	---	---	---
91+74.25	19.0'RT	---	1	---	---	---	---	---	---	---	---	---
91+94.16	5.0'LT	1	---	1	---	---	---	---	---	---	---	---
100+99.41C	4.8'RT	1	---	---	---	---	---	---	---	---	---	---
101+03.00	4.8'RT	---	---	1	---	---	---	---	---	---	---	---
101+14.81C	5.1'RT	---	---	---	---	1	---	---	---	---	---	---
101+63.18C	16.4'RT	---	---	---	---	---	---	---	---	1	---	---
101+74.01C	10.4'RT	---	---	---	---	---	---	---	---	1	---	---
101+89.72C	6.7'RT	---	---	---	---	1	---	---	---	---	---	---
102+14.71	6.7'RT	---	---	1	---	---	---	---	---	---	---	---
102+17.15C	6.7'RT	1	---	---	---	---	---	---	---	---	---	---
SUBTOTALS		10	4	7	---	9	5	---	3	6	---	1
TOTALS		44	13	22	4	20	12	2	15	16	7	6

50202
TYPE II DEWATERING

PROJECT ID	LS
UNDISTRIBUTED	1
*ADDITIONAL QUANTITIES LISTED ELSEWHERE	

50801
UTILITY LINE OPENING (ULO)

LOCATION	EACH
UNDISTRIBUTED	~~5~~ 3
*ADDITIONAL QUANTITIES LISTED ELSEWHERE	
W-3	1
W-8	1

70106
ROCK EXCAVATION

LOCATION	CY
UNDISTRIBUTED	~~30~~ 50
*ADDITIONAL QUANTITIES LISTED ELSEWHERE	

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN MISCELLANEOUS QUANTITIES	SHEET W-16	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023016_mq_wtr.dgn PLOT DATE : 4/18/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

ADDENDUM 1 - PEH

3

WATER MAIN PIPES

STATION	- STATION	70001 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 4-INCH LF	70002 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 6-INCH LF	70003 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 8-INCH LF	70005 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 12-INCH LF	70006 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 16-INCH LF
101+32.01	- 101+37.01	---	---	---	---	5
	101+34.51	---	17	---	---	---
101+60.07	- 101+80.07	---	---	---	---	20
104+51.46	- 104+56.42	---	---	---	---	5
105+30.62	- 105+35.62	---	---	---	---	5
	105+33.11	---	9	---	---	---
105+47.01	- 105+69.01	---	---	---	---	22
108+89.03	- 109+21.96	---	---	---	---	33
111+85.20	- 111+90.20	---	---	---	---	5
	111+87.70	---	9	---	---	---
114+80.10	- 115+06.54	---	---	---	---	31
115+62.23	- 115+71.94	---	---	---	---	10
	115+64.75	---	10	---	---	---
119+84.01	- 120+16.01	---	---	---	---	32
120+48.60	- 120+55.60	---	---	---	---	7
124+19.80	- 124+29.80	---	---	---	---	10
124+56.63	- 124+66.81	---	---	---	---	10
127+12.01	- 127+27.83	---	---	---	---	16
127+32.51	- 129+98.16	---	---	265	---	---
	129+98.14	---	24	---	---	---
129+98.16	- 130+47.51	---	---	50	---	---
133+32.90	- 135+67.21	---	---	---	235	---
135+67.21	- 135+90.05	---	---	---	23	---
135+90.05	- 136+16.90	---	---	---	27	---
	136+16.90	---	11	---	---	---
136+16.90	- 138+94.14	---	---	---	278	---
138+94.14	- 142+20.78	---	---	---	327	---
142+20.79	- 142+28.06	---	---	---	8	---
148+28.08	- 142+50.51	---	---	---	23	---
	142+50.51	---	11	---	---	---
142+50.51	- 143+94.67	---	---	---	145	---
	143+94.76	---	5	---	---	---
143+94.67	- 145+79.22	---	---	---	246	---
10+93.53	- 10+96.01	---	---	13	---	---
10+94.51	- 11+11.12	---	---	17	---	---
	11+11.12	34	---	---	---	---
11+11.12	- 11+81.51	---	---	71	---	---
	11+81.51	---	23	---	---	---
11+81.51	- 12+38.45	---	---	57	---	---
12+38.78	- 12+73.41	---	---	35	---	---
12+71.56	12+73.58	---	---	8	---	---
20+57.05	- 21+09.25	---	53	---	---	---
21+09.17	- 21+47.34	---	---	39	---	---
31+34.73	- 31+36.29	---	---	3	---	---
	31+36.29	23	---	---	---	---
31+36.29	- 31+43.66	---	---	8	---	---
	31+43.66	---	15	---	---	---
31+43.66	- 31+97.22	---	---	54	---	---
40+89.84	- 40+91.05	---	---	2	---	---
	40+91.05	---	5	---	---	---
40+91.05	- 41+06.06	---	---	15	---	---
	41+06.06	---	22	---	---	---
41+06.06	- 42+04.78	---	---	100	---	---
	SUBTOTALS	57	214	737	1,312	211

CON'T ON NEXT COLUMN

STATION	- STATION	70001 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 4-INCH LF	70002 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 6-INCH LF	70003 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 8-INCH LF	70005 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 12-INCH LF	70006 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 16-INCH LF
	42+04.78	---	5	---	---	---
50+36.62	- 50+68.61	---	32	---	---	---
50+63.21	- 50+76.51	---	---	18	---	---
50+68.61	- 51+25.62	---	---	59	---	---
60+93.86	- 61+74.46	---	---	---	85	---
61+16.63	- 61+24.14	---	---	---	---	8
61+53.36	- 61+59.60	---	---	---	---	7
81+07.96	- 81+51.29	---	---	44	---	---
81+54.25	- 81+82.19	---	---	28	---	---
	81+82.19	---	12	---	---	---
81+82.19	- 81+97.85	---	---	16	---	---
	81+95.79	---	17	---	---	---
90+81.52	- 90+83.81	---	8	---	---	---
90+82.11	- 91+92.56	---	---	111	---	---
	91+74.34	---	20	---	---	---
91+91.38	- 91+94.16	---	8	---	---	---
100+99.51C	- 101+68.43	---	---	69	---	---
100+99.41C	- 101+02.48C	---	8	---	---	---
101+69.06C	- 102+16.72C	---	---	47	---	---
102+14.68	- 102+17.15C	---	8	---	---	---
	SUBTOTALS	0	118	392	85	15
	TOTALS	57	332	1,129	1,397	226

3

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN MISCELLANEOUS QUANTITIES	SHEET W-17	E

ADDENDUM 1 - PEH

3

3

WATER SERVICES SUMMARY

STATION	OFFSET	70056 RECONNECT 1-INCH SERVICE LATERAL EACH
101+65.11	17.7'LT	1
120+06.19	14.5'LT	1
124+61.78	15.2'LT	1
127+58.56	11.3'LT	1
128+49.18	9.9'LT	1
128+75.46	8.8'LT	1
129+70.92	3.9'LT	1
129+89.33	1.7'LT	1
133+42.95	16.5'LT	1
134+04.81	15.0'LT	1
134+14.10	15.0'LT	1
134+49.15	15.0'LT	1
134+61.51	15.0'LT	1
135+33.05	15.0'LT	1
136+40.81	15.0'LT	1
136+91.62	15.0'LT	1
137+12.74	15.0'LT	1
137+46.62	15.0'LT	1
137+78.12	15.0'LT	1
137+82.51	15.0'LT	1
138+51.08	15.0'LT	1
139+54.26	15.0'LT	1
139+56.90	15.0'LT	1
140+06.84	15.0'LT	1
140+15.92	15.0'LT	1
140+55.03	15.0'LT	1
141+10.21	15.0'LT	1
141+38.80	15.0'LT	1
143+45.97	15.0'LT	1
143+73.00	15.0'LT	1
11+25.68	6.9'LT	1
31+39.52	7.3'LT	1
51+09.24	8.0'RT	1
101+18.51	11.0'RT	1
TOTAL		34

70101
FURNISH & INSTALL INSULATION

STATION (CENTER)	LF
102+08.18	6
105+55.83	6
109+05.00	6
109+43.23	6
112+19.41	6
~~117+50.79~~	
120+00.04	6
121+10.68	6
127+47.58	6
135+95.02	6
138+48.28	6
141+64.92	6
142+38.68	6
143+94.83	6
145+50.53	6
12+09.42	6
12+60.91	6
21+32.03	6
31+62.60	6
41+81.50	6
50+96.67	6
61+42.11	6
81+16.75	6
81+75.14	6
91+17.22	6
101+32.10c	6
~~101+39.62c~~	~~1~~
~~UNDISTRIBUTED~~	~~20~~
TOTAL	~~171~~ 200

USE 8-FT BOARDS,
NOT 6-FT BOARDS

ADDENDUM 1 - PEH

BUCKEYE ROAD
RECONSTRUCTION - 2018

W-19

PROJECT NO. 10228
WATER IMPACT PLAN

CITY OF MADISON

LAKE EDGE BLVD

MONONA CT

DAVIES ST

JEROME ST

MONONA DR

BUCKEYE RD

BUCKEYE RD

CUT-IN CONNECTIONS (W-1)

CUT-IN CONNECTIONS (W-1)

CUT-IN CONNECTION (W-9)

CUT-IN CONNECTIONS (W-2)

CUT-IN CONNECTION (W-9)

SEE W-20

V-1

V-2

V-3

V-4

V-5

V-5

V-7A

V-7B

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

ADDENDUM 1 - PEH

BUCKEYE ROAD RECONSTRUCTION - 2019

W-20

PROJECT NO. 10228
WATER IMPACT PLAN

CITY OF MADISON

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

ADDENDUM 1 - PEH

BUCKEYE ROAD
RECONSTRUCTION - 2019

W-21

PROJECT NO. 10228
WATER IMPACT PLAN

CITY OF MADISON

HEGG AVE

DEAD END

W LAKEVIEW AVE

MORNINGSIDE AVE

CUT-IN CONNECTIONS (W-3)

CUT-IN CONNECTION (W-10)

CUT-IN CONNECTIONS (W-4)

CUT-IN CONNECTION (W-11)

CLOSED

SEE W-22

V-20

V-8

V-2A

V-6

V-4

V-3

V-5478

V-7

V-10

V-2B

BUCKEYE RD

BUCKEYE RD

BUCKEYE RD

SEE W-20

QUAKER CIR

DEAD END

W LAKEVIEW AVE

CUT-IN CONNECTIONS (W-5)

CUT-IN CONNECTIONS (W-5)

CUT-IN CONNECTIONS (W-6)

SPAANEM AVE

SEE W-20

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

ADDENDUM 1 - PEH

BUCKEYE ROAD
RECONSTRUCTION - 2019

W-22

PROJECT NO. 10228
WATER IMPACT PLAN

CITY OF MADISON

BUCKEYE RD

BUCKEYE RD

SHAFFER AVE

SPAANEM AVE

TURNER AVE

MAHER AVE

CAMDEN RD

MIDDLEBURY PL

SPAANEM
WATER TANK

V-4
V-10
V-3
V-20
V-22
V-23
V-5108
V-5109
V-9
V-3851
V-1820
V-31
V-5097
V-19

CLOSED

CONNECT TO EX WM/
CUT OFF EX WM (W-3)

SEE W-21

SEE W-23

SEE W-23

SEE W-23

SEE W-23

CUT-IN CONNECTIONS (W-11)

CUT-IN CONNECTION (W-12)

CUT-IN CONNECTION (W-13)

CUT-IN CONNECTION (W-13)

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

ADDENDUM 1 - PEH

BUCKEYE ROAD RECONSTRUCTION - 2019 | W-23

PROJECT NO. 10228
WATER IMPACT PLAN

CITY OF MADISON

MAJOR AVE

TURNER AVE

MAHER AVE

CAMDEN RD

S STOUGHTON RD

BLOSSOM LN

BUCKEYE RD

V-3083 V-9 V-10 V-6 V-7 V-8 V-17 V-16 V-11 V-13 V-3851 V-2 V-19

CUT-IN CONNECTION (W-12)

CUT-IN CONNECTION (W-13)

CUT-IN CONNECTION (W-13)

CUT-IN CONNECTION (W-3)

DEAD END

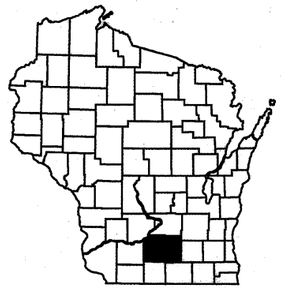
CUT-IN CONNECTION (W-8)

SEE W-22

SEE W-22

CUT-IN CONNECTION (W-13)

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.



TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT 5992-09-40
CITY OF MADISON, BUCKEYE ROAD
(MONONA DRIVE TO STOUGHTON ROAD)
CTH AB
DANE COUNTY

NOTES

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5992-09-40.

DISTANCES SHOWN FROM BUILDINGS TO RIGHT OF WAY LINES ARE APPROXIMATE.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(1997) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL RIGHT-OF-WAY LINES DEPICTED IN NON ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

EXISTING R/W ON BUCKEYE ROAD BASED ON: QUAKER HEIGHTS, LAKE EDGE PARK, REPLAT OF BLOCK 3 LAKE EDGE PARK, ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE, MORNING SIDE HEIGHTS, ALLIS HEIGHTS, FIRST ADDITION TO ALLIS HEIGHTS, CSM 1193, CSM 3993, CSM 6600, CSM 11961, DOC. 1163146, & DOC. 1174269.

EXISTING R/W ON JEROME ST. BASED ON: QUAKER HEIGHTS & ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE, CSM 8899.

EXISTING R/W ON MONONA CT. BASED ON: LAKE EDGE PARK & REPLAT OF BLOCK 3 LAKE EDGE PARK.

EXISTING R/W ON LAKE EDGE BLVD. BASED ON: LAKE EDGE PARK.

EXISTING R/W ON MONONA DRIVE BASED ON PREVIOUS PROJECT: 5994-00-00-2 & QUAKER HEIGHTS.

EXISTING R/W ON DAVIES ST. BASED ON: REPLAT OF BLOCK 3 LAKE EDGE PARK, ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE, CSM 1193.

EXISTING R/W ON QUAKER CIR. BASED ON: ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE & DOC. 1046746, V.739, P.65.

EXISTING R/W ON W. LAKEVIEW AVE. BASED ON: ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE.

EXISTING R/W ON E. LAKEVIEW AVE. BASED ON: MORNING SIDE HEIGHTS.

EXISTING R/W ON MORNINGSIDE AVE. BASED ON: MORNING SIDE HEIGHTS & CSM 11961.

EXISTING R/W ON SHAFFER AVE. BASED ON: ALLIS HEIGHTS.

EXISTING R/W ON SPAANEM AVE. BASED ON: ALLIS HEIGHTS.

EXISTING R/W ON TURNER AVE. BASED ON: MORNING SIDE HEIGHTS (NORTH OF BUCKEYE) & ALLIS HEIGHTS (SOUTH OF BUCKEYE).

EXISTING R/W ON MAHER AVE. BASED ON: MORNING SIDE HEIGHTS (NORTH OF BUCKEYE) & ALLIS HEIGHTS (SOUTH OF BUCKEYE).

EXISTING R/W ON STANLEY CT. ESTABLSHED FROM: ALLIS HEIGHTS.

EXISTING R/W ON CAMDEN RD. ESTABLSHED FROM: MORNING SIDE HEIGHTS (NORTH OF BUCKEYE) & ALLIS HEIGHTS, FIRST ADDITION TO ALLIS HEIGHTS (SOUTH OF BUCKEYE).

EXISTING R/W ON USH 51 (S. STOUGHTON RD.) BASED ON PREVIOUS PROJECT: 1005-10 (1) & 1005-1125).

EXISTING ACCESS CONTROL ALONG USH 51 (S. STOUGHTON RD.) ESTABLISHED FROM PREVIOUS PROJECT: CA 05-1 (1).

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4" X 24" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES AND AREAS OF FEE ACQUISITION, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE LAND SURVEY.

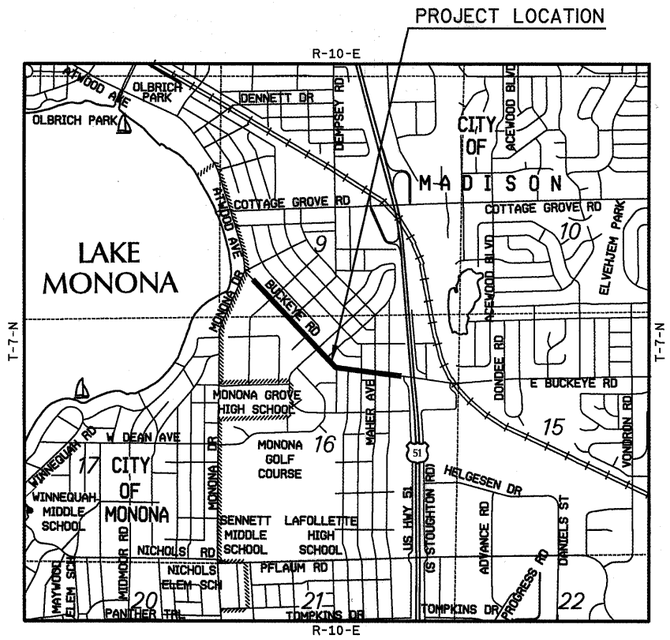
FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT AT THE CITY OF MADISON.

A TEMPORARY LIMITED EASEMENT (T.L.E.) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE. INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (T.L.E.'S) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (P.L.E.) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES AND PUBLIC UTILITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

PROJECT LOCATION



N

LAYOUT
SCALE 0 0.25 MI.

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	REBAR	RBR
AND OTHERS	ET AL	RECORDED AS	(100')
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
BUILDING	BLDG	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
HOUSE	H		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	△
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W (TYPE)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS — CAUTION
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES — CAUTION

R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN (3/4" REBAR UNLESS NOTED) IP
VALVE (GAS, WATER, ETC.) (TYPE)
SIGN — SIGN
OFF-PREMISE SIGN — SIGN
R/W BOUNDARY POINT 200
TLE POINT TLE205

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

BRIDGE
PARCEL NUMBER 25
UTILITY NUMBER 40

CONVENTIONAL UTILITY SYMBOLS

WATER	W	SANITARY SEWER	SAN
GAS	G	STORM SEWER	SS
TELEPHONE	T		
OVERHEAD TRANSMISSION LINES	OH		NON COMPENSABLE / COMPENSABLE
ELECTRIC	E	POWER POLE	
CABLE TELEVISION	TV	TELEPHONE POLE	
FIBER OPTIC	FO	TELEPHONE PEDESTAL	
		ELECTRIC TOWER	

TPP NUMBER 5992-09-40 - 4.01
SHEET 2 OF 2

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\040101_rt.dgn PLOT DATE : PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

5992-09-40-4.01

Doc# 5375082

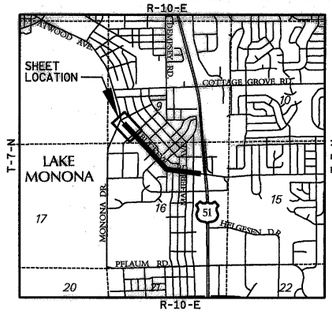
TRANSPORTATION PROJECT PLAT NO: 5992-09-40 - 4.01

THAT PART OF LOTS 1, 2, 3, 4, BLOCK 1 OF QUAKER HEIGHTS, AND THAT PART OF LOT 2 OF CSM 8899, AND THAT PART OF OUTLOT 12 OF THE ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE, AND THAT PART OF LOTS 11 AND 20, BLOCK 2 OF LAKE EDGE PARK, AND THAT PART OF LOT 10 OF REPLAT OF BLOCK 3 LAKE EDGE PARK, ALL IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 9, T7N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER CTH AB DANE COUNTY CITY OF MADISON, BUCKEYE ROAD (MONONA DRIVE TO STOUGHTON ROAD)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.



LOCATION SKETCH
NOT TO SCALE

SCALE, FEET
0 50 100

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-09-40-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) _____ DATE 11/21/17
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 30th November
20 17 at 12:51 o'clock P M
and recorded in vol. 60-084A
of Plats on page 456-457
Kristi Chlebowski, by Deborah Poland, Deputy
Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-09-40-4.01
AMENDMENT NO:
SHEET 1 OF 2

PI 108+60.84
Y = 484169.36
X = 837843.72
DELTA = 0°35'10" RT

PI 109+20.84
Y = 484125.13
X = 837884.27
DELTA = 0°31'14" LT

CURVE 1
R = 15.00'
L = 23.62'
LC = 21.25'
LCB = N 2° 00' 34" E
DELTA = 90°13'14" LT

CURVE 2
R = 15.00'
L = 23.52'
LC = 21.18'
LCB = N 87° 57' 28" W
DELTA = 89°50'42" LT

CURVE PLE1
R = 50.00'
L = 64.49'
LC = 60.11'
LCB = N 6° 8' 56" W
DELTA = 73°54'15" RT

100 AT&T-WISCONSIN
DOC.4365230
PARCEL 8

AT&T-WISCONSIN
NO RECORDED EASEMENT
PARCEL 9

101 MADISON GAS & ELECTRIC-ELECTRIC
EASE. CENTERED ON CABLE
DOC.2999753
PARCEL 9

MADISON GAS & ELECTRIC-ELECTRIC
DOC.2041532 V.10520, P.24
PARCEL 1

102 CITY OF MADISON - WATER
NO RECORDED EASEMENT
PARCEL 8

103 TOWN SANITARY DIST.
NOW CITY OF MADISON
SANITARY SEWER EASEMENT
CENTERED ON PIPE
DOC.861698, PARCEL 2

104 MADISON GAS & ELECTRIC-GAS
EASEMENT
DOC.1370175, V.451, P.513
PARCEL 1

HWY	BASIS OF EXIST. R/W
BUCKEYE RD.	QUAKER HEIGHTS & REPLAT OF BLOCK 3 LAKE EDGE PARK, ASSESSOR'S PLAT NO. 5
JEROME ST.	QUAKER HEIGHTS & ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE, CSM 8899
MONONA CT.	LAKE EDGE PARK, REPLAT OF BLOCK 3 LAKE EDGE PARK
LAKE EDGE BLVD.	LAKE EDGE PARK
MONONA DRIVE	PREVIOUS PROJECT: 5994-00-00-2, QUAKER HEIGHTS

FOUND 3/4" REBAR
Y = 486097.47
X = 836668.67
(CITY OF MADISON RECORD COORDINATES
Y = 486097.62
X = 836668.75
(1997 ADJUSTMENT))

FOUND SPIKE WITH WASHER
Y = 483499.98
X = 836719.42
(CITY OF MADISON RECORD COORDINATES
Y = 483500.02
X = 836719.22
(1991 ADJUSTMENT))

IP TABLE	
STATION	OFFSET
103+78.90	-34.05
104+53.82	-33.90
104+59.77	32.86
105+60.09	32.63
107+53.84	-33.04
107+60.76	32.86
108+28.31	-33.04
108+45.51	32.74
108+61.18	47.96

POINT #	STATION	OFFSET	Y	X
100	102+50.00	-33.00'	484637.914	837450.435
101	109+03.17	-33.43'	484160.750	837896.972
102	109+23.47	-73.00'	484173.032	837939.416
103	109+28.47	-73.00'	484169.378	837942.828
104	109+28.48	-33.00'	484142.071	837913.599
105	110+93.69	-33.00'	484021.311	838026.349
106	111+30.29	0.00'	483972.043	838027.201
107	111+66.88	33.00'	483922.776	838028.053
108	109+35.71	33.00'	484091.741	837870.295
109	109+20.84	47.96'	484092.496	837849.124
110	109+20.84	57.62'	484085.924	837842.047
111	108+60.62	58.00'	484129.891	837801.219
112	108+60.66	48.06'	484136.656	837808.504
113	108+45.66	33.00'	484157.897	837809.249
114	102+50.00	33.00'	484592.817	837402.245
PLE1	101+11.40	-69.14'	484763.804	837382.120
PLE2	101+66.38	-33.00'	484698.969	837393.300
PLE3	101+59.44	-33.00'	484704.036	837388.558
RW101	109+23.44	-32.92'	484145.726	837910.187

POINT #	STATION	OFFSET
TLE100	108+50.00	-33.00'
TLE101	108+50.00	-43.00'
TLE102	108+93.08	-43.33'
TLE103	108+92.94	-58.33'
TLE104	109+02.94	-58.43'
TLE105	109+33.47	-73.00'
TLE106	109+33.48	-45.00'
TLE107	102+50.00	38.00'
TLE109	108+50.62	58.00'
TLE110	108+50.66	48.00'
TLE111	106+60.32	48.00'
TLE112	106+60.34	43.00'
TLE113	104+59.76	43.00'
TLE114	104+59.78	38.00'
TLE115	109+21.57	43.00'
TLE118	109+50.00	38.00'
TLE119	109+50.00	43.00'
TLE120	111+72.42	38.00'
TLE121	109+53.48	-33.00'

COURSE	BEARING	DIST.
100-TLE100	S 43° 06' 03" E	600.00'
TLE100-TLE101	N 46° 53' 57" E	10.00'
TLE101-TLE102	S 43° 06' 03" E	43.52'
TLE102-TLE103	N 46° 56' 52" E	15.00'
TLE103-TLE104	S 43° 06' 03" E	10.00'
103-TLE105	S 43° 03' 08" E	5.00'
TLE105-TLE106	S 46° 56' 52" W	28.00'
TLE106-TLE121	S 12° 04' 34" E	23.33'
TLE121-105	S 43° 02' 07" E	140.21'
107-TLE120	S 0° 59' 26" E	7.47'
TLE120-TLE118	N 43° 02' 07" W	222.42'
TLE118-TLE119	S 46° 57' 53" W	5.00'
TLE119-TLE115	N 43° 02' 07" W	28.43'
111-TLE109	N 43° 06' 06" W	10.00'
TLE109-TLE110	N 47° 07' 11" E	10.00'
TLE110-TLE111	N 43° 06' 03" W	190.34'
TLE111-TLE112	N 47° 06' 35" E	5.00'
TLE112-TLE113	N 43° 06' 03" W	200.57'
TLE113-TLE114	N 47° 06' 35" E	5.00'
TLE114-TLE107	N 43° 06' 03" W	209.78'
TLE107-114	N 46° 53' 57" E	5.00'

APPROVED FOR THE CITY OF MADISON

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: RES-17-00883 FILE ID: 49259
DATE: 11/21/17 _____ for CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: 11/6/17 _____ EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: 11/1/17 _____ EXECUTIVE SECRETARY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(1997) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.	PLE S.F.
1	MADISON LAKE EDGE PROPERTY LLC	TLE	---	---	---	524	---
2	RALPH A. & MARILYN K. TYKSINSKI	TLE	---	---	---	1003	---
3	SHARON MAY OLIVER RESIDUARY TRUST	TLE	---	---	---	1003	---
4	PAUL H. & MARGARET A. MILLER LIVING TRUST	TLE	---	---	---	1504	---
5	AMBER J. SWENOR & BRANDON J. POCKAT	PLE	---	---	---	---	537
6	BRENT A. SLETTEN	TLE	---	---	---	979	---
7	TRENA N. WENDT	TLE	---	---	---	685	---
8	LAKE EDGE CONGREATIONAL COMMUNITY CHURCH	FEE,TLE	200	---	200	320	---
9	MADISON METROPOLITAN SCHOOL DISTRICT	TLE	---	---	---	1344	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	AT&T-WISCONSIN	RELEASE OF RIGHTS
101	MADISON GAS & ELECTRIC - ELECTRIC	RELEASE OF RIGHTS
102	CITY OF MADISON - WATER	RELEASE OF RIGHTS
103	CITY OF MADISON - SEWER	RELEASE OF RIGHTS
104	MADISON GAS & ELECTRIC - GAS	RELEASE OF RIGHTS

* EXCLUDE BUILDINGS THAT LIE PARTIALLY OR WHOLLY WITHIN A TEMPORARY LIMITED EASEMENT.

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\040101_rp.dgn
APPRAISAL PLAT DATE: 11/21/17
PLOT DATE :
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

5992-09-40-4.01

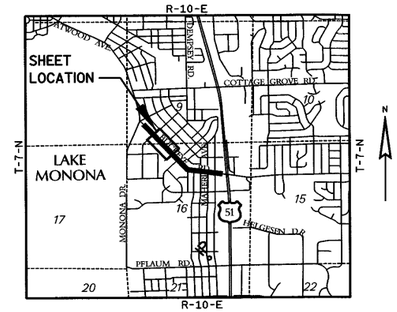
TRANSPORTATION PROJECT PLAT NO: 5992-09-40 - 4.02

THAT PART OF LOT 18 OF REPLAT OF BLOCK 3 LAKE EDGE PARK, AND THAT PART OF OUTLOT 6 AND OUTLOT 12 OF THE ASSESSOR'S PLAT NO. 5 OF THE TOWNSHIP OF BLOOMING GROVE IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 9, AND THAT PART OF OUTLOT 20 OF THE ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 16, ALL IN T7N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER CTH AB DANE COUNTY CITY OF MADISON, BUCKEYE ROAD (MONONA DRIVE TO STOUGHTON ROAD)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.



LOCATION SKETCH
NOT TO SCALE

SCALE, FEET
0 50 100

STRAND ASSOCIATES, INC.®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-09-40-4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) _____ DATE 12/4/17
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5375082.

#5377334
Office of Register of Deeds
Dane County, Wisconsin
Received for Record Dec 11
20 17 at 12:45 o'clock P M
and recorded in vol. 60-08B
of Plats on page 458
Kristi Chlebowski
by Martha Pastyla Deputy Register

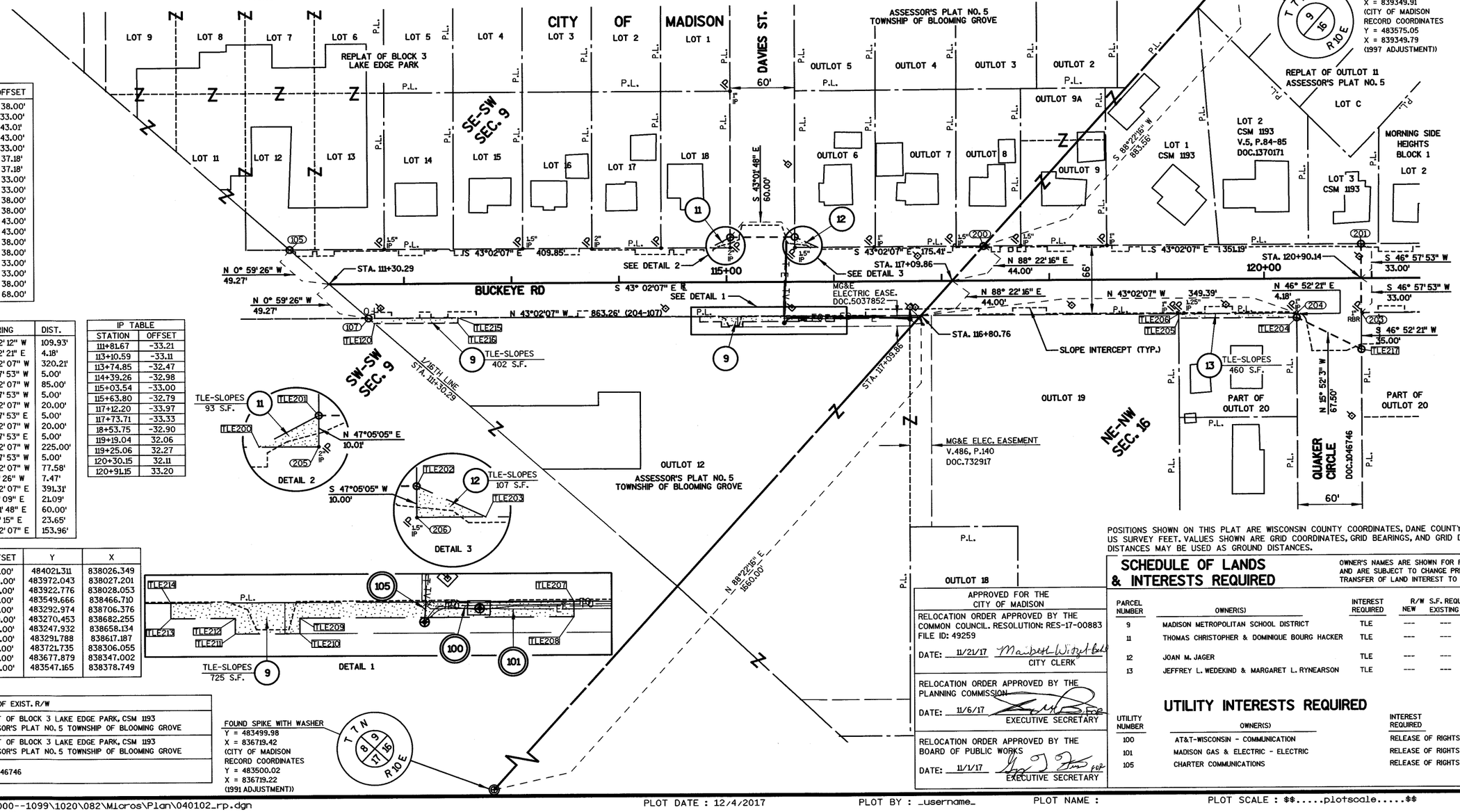
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-09-40-4.02
AMENDMENT NO:

PI 109+20.84
Y = 484125.13
X = 837884.27
DELTA = 0°31'14" LT

100 AT&T-WISCONSIN NO RECORDED EASEMENT PARCEL 9

101 MADISON GAS & ELECTRIC ELECTRIC EASE. DOC.5037852 PARCEL 9

105 CHARTER COMMUNICATIONS NO RECORDED EASEMENT PARCEL 9



POINT #	STATION	OFFSET
TLE120	111+72.42	38.00'
TLE200	114+85.00	-33.00'
TLE201	115+03.57	-43.01'
TLE202	115+63.57	-43.00'
TLE203	115+85.00	-33.00'
TLE204	120+30.15	37.18'
TLE205	119+20.22	37.18'
TLE206	119+20.21	33.00'
TLE207	116+00.00	33.00'
TLE208	116+00.00	38.00'
TLE209	115+15.00	38.00'
TLE210	115+15.00	43.00'
TLE211	114+95.00	43.00'
TLE212	114+95.00	38.00'
TLE213	114+75.00	38.00'
TLE214	114+75.00	33.00'
TLE215	112+50.00	33.00'
TLE216	112+50.00	38.00'
TLE217	120+90.20	68.00'

COURSE	BEARING	DIST.
TLE204-TLE205	N 43° 02' 12" W	109.93'
TLE205-TLE206	N 46° 52' 21" E	4.18'
TLE206-TLE207	N 43° 02' 07" W	320.21'
TLE207-TLE208	S 46° 57' 53" W	5.00'
TLE208-TLE209	N 43° 02' 07" W	85.00'
TLE209-TLE210	S 46° 57' 53" W	5.00'
TLE210-TLE211	N 43° 02' 07" W	20.00'
TLE211-TLE212	N 46° 57' 53" E	5.00'
TLE212-TLE213	N 43° 02' 07" W	20.00'
TLE213-TLE214	N 46° 57' 53" E	5.00'
TLE214-TLE215	N 43° 02' 07" W	225.00'
TLE215-TLE216	S 46° 57' 53" W	5.00'
TLE216-TLE120	N 43° 02' 07" W	77.58'
TLE120-107	N 0° 59' 26" W	7.47'
105-TLE200	S 43° 02' 07" E	391.31'
TLE200-TLE201	S 71° 21' 09" E	21.09'
TLE201-TLE202	S 43° 01' 48" E	60.00'
TLE202-TLE203	S 18° 01' 15" E	23.65'
TLE203-200	S 43° 02' 07" E	153.96'

IP TABLE	
STATION	OFFSET
111+81.67	-33.21
113+10.59	-33.11
113+74.85	-32.47
114+39.26	-32.98
115+03.54	-33.00
115+63.80	-32.79
117+12.20	-33.97
117+73.71	-33.33
18+53.75	-32.90
119+19.04	32.06
119+25.06	32.27
120+30.15	32.11
120+91.15	33.20

POINT #	STATION	OFFSET	Y	X
105	110+93.69	-33.00'	484021.311	838026.349
106	114+30.29	0.00'	483972.043	838027.201
107	111+66.88	33.00'	483922.776	838028.053
200	117+38.96	-33.00'	483549.666	838466.710
201	120+90.14	-33.00'	483292.974	838706.376
202	120+90.14	0.00'	483270.453	838682.255
203	120+90.14	33.00'	483247.932	838658.134
204	120+30.14	33.00'	483291.788	838617.187
205	115+03.55	-33.00'	483721.735	838306.055
206	115+63.55	-33.00'	483677.879	838347.002
207	116+80.76	33.00'	483547.165	838378.749

HWY	BASIS OF EXIST. R/W
BUCKEYE RD.	REPLAT OF BLOCK 3 LAKE EDGE PARK, CSM 1193 ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE
DAVIES ST.	REPLAT OF BLOCK 3 LAKE EDGE PARK, CSM 1193 ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE
QUAKER CIR.	DOC. 1046746

APPROVED FOR THE CITY OF MADISON

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: RES-17-00883 FILE ID: 49259
DATE: 11/21/17 _____ CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: 11/6/17 _____ EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: 11/1/17 _____ EXECUTIVE SECRETARY

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(1997) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
9	MADISON METROPOLITAN SCHOOL DISTRICT	TLE	---	---	---	1127
11	THOMAS CHRISTOPHER & DOMINIQUE BOURG HACKER	TLE	---	---	---	93
12	JOAN M. JAGER	TLE	---	---	---	107
13	JEFFREY L. WEDEKIND & MARGARET L. RYNEARSON	TLE	---	---	---	460

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	AT&T-WISCONSIN - COMMUNICATION	RELEASE OF RIGHTS
101	MADISON GAS & ELECTRIC - ELECTRIC	RELEASE OF RIGHTS
105	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\040102_rp.dgn
APPRAISAL PLAT DATE: 12/4/17
PLOT DATE : 12/4/2017 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

5992-09-40-4.02

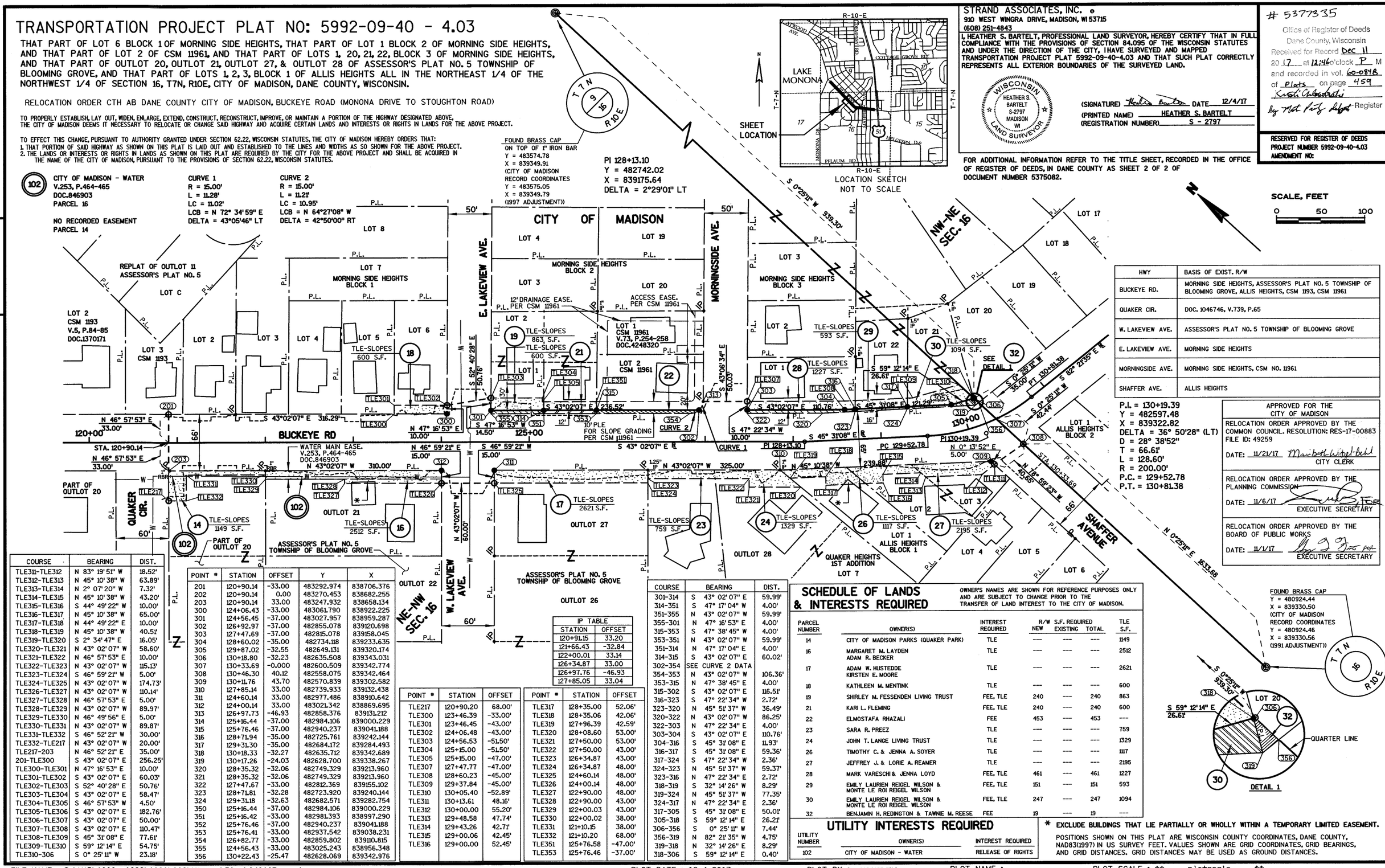
TRANSPORTATION PROJECT PLAT NO: 5992-09-40 - 4.03

THAT PART OF LOT 6 BLOCK 1 OF MORNING SIDE HEIGHTS, THAT PART OF LOT 1 BLOCK 2 OF MORNING SIDE HEIGHTS, AND THAT PART OF LOT 2 OF CSM 11961, AND THAT PART OF LOTS 1, 20, 21, 22, BLOCK 3 OF MORNING SIDE HEIGHTS, AND THAT PART OF OUTLOT 20, OUTLOT 21, OUTLOT 27, & OUTLOT 28 OF ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE, AND THAT PART OF LOTS 1, 2, 3, BLOCK 1 OF ALLIS HEIGHTS ALL IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 16, T7N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER CTH AB DANE COUNTY CITY OF MADISON, BUCKEYE ROAD (MONONA DRIVE TO STOUGHTON ROAD)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.



CURVE 1	CURVE 2
R = 15.00'	R = 15.00'
L = 11.28'	L = 11.21'
LC = 11.02'	LC = 10.95'
LCB = N 72° 34' 59" E	LCB = N 64°27'08" W
DELTA = 43°05'46" LT	DELTA = 42°50'00" RT

(102) CITY OF MADISON - WATER
V.253, P.464-465
DOC.846903
PARCEL 16

NO RECORDED EASEMENT
PARCEL 14

COURSE	BEARING	DIST.
TLE311-TLE312	N 83° 19' 51" W	18.52'
TLE312-TLE313	N 45° 10' 38" W	63.89'
TLE313-TLE314	N 2° 07' 20" W	7.32'
TLE314-TLE315	N 45° 10' 38" W	43.20'
TLE315-TLE316	S 44° 49' 22" W	10.00'
TLE316-TLE317	N 45° 10' 38" W	65.00'
TLE317-TLE318	N 44° 49' 22" E	10.00'
TLE318-TLE319	N 45° 10' 38" W	40.51'
TLE319-TLE320	S 2° 34' 47" E	16.05'
TLE320-TLE321	N 43° 02' 07" W	58.60'
TLE321-TLE322	N 46° 57' 53" E	10.00'
TLE322-TLE323	N 43° 02' 07" W	115.13'
TLE323-TLE324	S 46° 59' 21" W	5.00'
TLE324-TLE325	N 43° 02' 07" W	174.73'
TLE326-TLE327	N 43° 02' 07" W	110.14'
TLE327-TLE328	N 46° 57' 53" E	5.00'
TLE328-TLE329	N 43° 02' 07" W	89.97'
TLE329-TLE330	N 46° 49' 56" E	5.00'
TLE330-TLE331	N 43° 02' 07" W	89.87'
TLE331-TLE332	S 46° 52' 21" W	30.00'
TLE332-TLE217	N 43° 02' 07" W	20.00'
TLE217-203	N 46° 52' 21" E	35.00'
201-TLE300	S 43° 02' 07" E	256.25'
TLE300-TLE301	N 47° 16' 53" E	10.00'
TLE301-TLE302	S 43° 02' 07" E	60.03'
TLE302-TLE303	S 52° 40' 28" E	50.76'
TLE303-TLE304	S 43° 02' 07" E	58.47'
TLE304-TLE305	S 46° 57' 53" W	4.50'
TLE305-TLE306	S 43° 02' 07" E	182.76'
TLE306-TLE307	S 43° 02' 07" E	50.00'
TLE307-TLE308	S 43° 02' 07" E	110.47'
TLE308-TLE309	S 45° 31' 08" E	77.61'
TLE309-TLE310	S 59° 12' 14" E	54.75'
TLE310-306	S 0° 25' 11" W	23.18'

POINT #	STATION	OFFSET	Y	X
201	120+90.14	-33.00	483292.974	838706.376
202	120+90.14	0.00	483270.453	838682.255
203	120+90.14	33.00	483247.932	838658.134
300	124+06.43	-33.00	483061.790	838922.225
301	124+56.45	-37.00	483027.957	838959.287
302	126+92.97	-37.00	482855.078	839120.698
303	127+47.69	-37.00	482815.078	839158.045
304	128+60.02	-35.00	482734.118	839233.635
305	129+87.02	-32.55	482649.131	839320.174
306	130+18.80	-32.23	482635.508	839343.031
307	130+33.69	-0.000	482600.509	839342.774
308	130+46.30	40.12	482558.075	839342.464
309	130+11.76	43.70	482570.839	839302.582
310	127+85.14	33.00	482739.933	839132.438
311	124+60.14	33.00	482977.486	838910.642
312	124+00.14	33.00	483021.342	838869.695
313	126+97.73	-46.93	482858.376	839131.212
314	125+16.44	-37.00	482984.106	839000.229
315	125+76.46	-37.00	482940.237	839041.188
316	128+71.94	-35.00	482725.761	839242.144
317	129+31.30	-35.00	482684.172	839284.493
318	130+18.33	-32.27	482635.712	839342.689
319	130+17.26	-24.03	482628.700	839338.267
320	128+35.32	-32.06	482749.329	839213.960
321	128+35.32	-32.06	482749.329	839213.960
322	127+47.67	-33.00	482812.369	839155.102
323	128+71.81	-32.28	482723.920	839240.144
324	129+31.18	-32.63	482682.571	839282.754
350	125+16.44	-37.00	482984.106	839000.229
351	125+16.42	-33.00	482981.393	838997.290
352	125+76.46	-37.00	482940.237	839041.188
353	125+76.41	-33.00	482937.542	839038.231
354	126+82.77	-33.00	482859.802	839110.815
355	124+56.43	-33.00	483025.243	838956.348
356	130+22.43	-25.47	482628.069	839342.976

IP TABLE	
STATION	OFFSET
120+91.15	33.20
121+66.43	-32.84
122+00.01	33.14
126+34.87	33.00
126+97.76	-46.93
127+85.05	33.04

POINT #	STATION	OFFSET
TLE217	120+90.20	68.00'
TLE300	123+46.39	-33.00'
TLE301	123+46.45	-43.00'
TLE302	124+06.48	-43.00'
TLE303	124+56.53	-51.50'
TLE304	125+15.00	-51.50'
TLE305	125+15.00	-47.00'
TLE307	127+47.77	-47.00'
TLE308	128+60.23	-45.00'
TLE309	129+37.84	-45.00'
TLE310	130+05.40	-52.89'
TLE311	130+13.61	48.16'
TLE312	130+00.00	55.20'
TLE313	129+48.58	47.74'
TLE314	129+43.26	42.71'
TLE315	129+00.06	42.45'
TLE316	129+00.00	52.45'

POINT #	STATION	OFFSET
TLE317	128+35.00	52.06'
TLE318	128+35.06	42.06'
TLE319	127+96.39	42.59'
TLE320	128+08.60	53.00'
TLE321	127+50.00	53.00'
TLE322	127+50.00	43.00'
TLE323	126+34.87	43.00'
TLE324	126+34.87	48.00'
TLE325	124+60.14	48.00'
TLE326	124+00.14	48.00'
TLE327	122+90.00	48.00'
TLE328	122+90.00	43.00'
TLE329	122+00.03	43.00'
TLE330	122+00.02	38.00'
TLE331	121+10.15	38.00'
TLE332	121+10.20	68.00'
TLE351	125+76.58	-47.00'
TLE353	125+76.46	-37.00'

COURSE	BEARING	DIST.
301-314	S 43° 02' 07" E	59.99'
314-351	S 47° 17' 04" W	4.00'
351-355	N 43° 02' 07" W	59.99'
355-301	N 47° 16' 53" E	4.00'
315-353	S 47° 38' 45" W	4.00'
353-351	N 43° 02' 07" W	59.99'
351-314	N 47° 17' 04" E	4.00'
314-315	S 43° 02' 07" E	60.02'
302-354	SEE CURVE 2 DATA	
354-353	N 43° 02' 07" W	106.36'
353-315	N 47° 38' 45" E	4.00'
315-302	S 43° 02' 07" E	116.51'
316-323	S 47° 22' 34" W	2.72'
323-320	N 45° 51' 37" W	36.49'
320-322	N 43° 02' 07" W	86.25'
322-303	N 47° 22' 34" E	4.00'
303-304	S 43° 02' 07" E	110.76'
304-316	S 45° 31' 08" E	11.93'
316-317	S 45° 31' 08" E	59.36'
317-324	S 47° 22' 34" W	2.36'
324-323	N 45° 51' 37" W	59.37'
323-316	N 47° 22' 34" E	2.72'
318-319	S 32° 14' 26" W	8.29'
319-324	N 45° 51' 37" W	77.35'
324-317	N 47° 22' 34" E	2.36'
317-305	S 45° 31' 08" E	50.01'
305-318	S 59° 12' 14" E	26.21'
306-356	S 0° 25' 11" W	7.44'
356-319	N 82° 21' 35" W	4.75'
319-318	N 32° 14' 26" E	8.29'
318-306	S 59° 12' 14" E	0.40'

HWY	BASIS OF EXIST. R/W
BUCKEYE RD.	MORNING SIDE HEIGHTS, ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE, ALLIS HEIGHTS, CSM 1193, CSM 11961
QUAKER CIR.	DOC. 1046746, V.739, P.65
W. LAKEVIEW AVE.	ASSESSOR'S PLAT NO. 5 TOWNSHIP OF BLOOMING GROVE
E. LAKEVIEW AVE.	MORNING SIDE HEIGHTS
MORNINGSIDE AVE.	MORNING SIDE HEIGHTS, CSM NO. 11961
SHAFFER AVE.	ALLIS HEIGHTS

P.I. = 130+19.39
Y = 482597.48
X = 839322.82
DELTA = 36° 50'28" (LT)
D = 28° 38'52"
T = 66.61'
L = 128.60'
R = 200.00'
P.C. = 129+52.78
P.T. = 130+81.38

APPROVED FOR THE CITY OF MADISON

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: RES-17-00883 FILE ID: 49259
DATE: 11/21/17 Maribeth Witzel-Behl CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: 11/6/17 for EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: 11/1/17 for EXECUTIVE SECRETARY

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
14	CITY OF MADISON PARKS (QUAKER PARK)	TLE	---	---	---	1149
16	MARGARET M. LAYDEN ADAM R. BECKER	TLE	---	---	---	2512
17	ADAM W. HUSTEDDE KIRSTEN E. MOORE	TLE	---	---	---	2621
18	KATHLEEN M. MENTINK	TLE	---	---	---	600
19	SHIRLEY M. FESSENDEN LIVING TRUST	FEE, TLE	240	---	240	863
21	KARI L. FLEMING	FEE, TLE	240	---	240	600
22	ELMOSTAFA RHAZALI	FEE	453	---	453	---
23	SARA R. PREEZ	TLE	---	---	---	759
24	JOHN T. LANGE LIVING TRUST	TLE	---	---	---	1329
26	TIMOTHY C. & JENNA A. SOYER	TLE	---	---	---	1117
27	JEFFREY J. & LORIE A. REAMER	TLE	---	---	---	2195
28	MARK VARESCHI & JENNA LOYD	FEE, TLE	461	---	461	1227
29	EMILY LAURIEN REIGEL WILSON & MONTE LE ROI REIGEL WILSON	FEE, TLE	151	---	151	593
30	EMILY LAURIEN REIGEL WILSON & MONTE LE ROI REIGEL WILSON	FEE, TLE	247	---	247	1094
32	BENJAMIN H. REDINGTON & TAWNIE M. REESE	FEE	19	---	19	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
102	CITY OF MADISON - WATER	RELEASE OF RIGHTS

* EXCLUDE BUILDINGS THAT LIE PARTIALLY OR WHOLLY WITHIN A TEMPORARY LIMITED EASEMENT.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(1997) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STRAND ASSOCIATES, INC.®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-09-40-4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) Heather Bartelt DATE 12/4/17
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5375082.

5377335
Office of Register of Deeds
Dane County, Wisconsin
Received for Record Dec 11
20 17 at 12:46 o'clock P M
and recorded in vol. 60-084B
of Plats on page 459
Kristi Chlebowski
by Mat Purdy Deputy Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-09-40-4.03
AMENDMENT NO:

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\040103_rp.dgn
APPRAISAL PLAT DATE: 12/4/17
PLOT DATE : 12/4/2017
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

5992-09-40-4.03

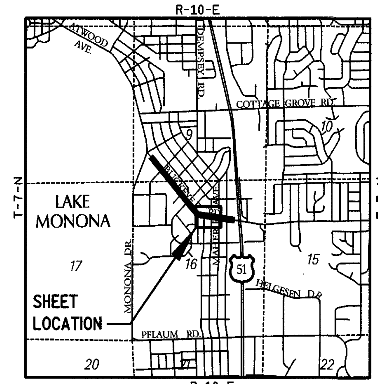
TRANSPORTATION PROJECT PLAT NO: 5992-09-40 - 4.04

THAT PART OF LOTS 13, 20, & 21, BLOCK 3 OF MORNING SIDE HEIGHTS, AND THAT PART OF LOTS 1 & 4 BLOCK 5 OF MORNING SIDE HEIGHTS, AND THAT PART OF LOTS 1, 2, & 3, BLOCK 2 OF ALLIS HEIGHTS, AND THAT PART OF LOTS 1, 2, 3, 4, & 5, BLOCK 3 OF ALLIS HEIGHTS, AND THAT PART OF LOTS 1, 2, 3, 4, & 5, BLOCK 4 OF ALLIS HEIGHTS, ALL IN THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 16, T7N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

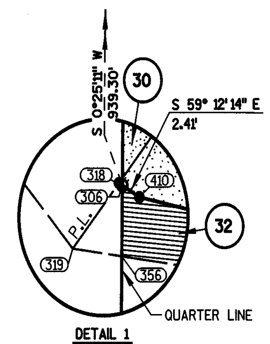
RELOCATION ORDER CTH AB DANE COUNTY CITY OF MADISON, BUCKEYE ROAD (MONONA DRIVE TO STOUGHTON ROAD)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

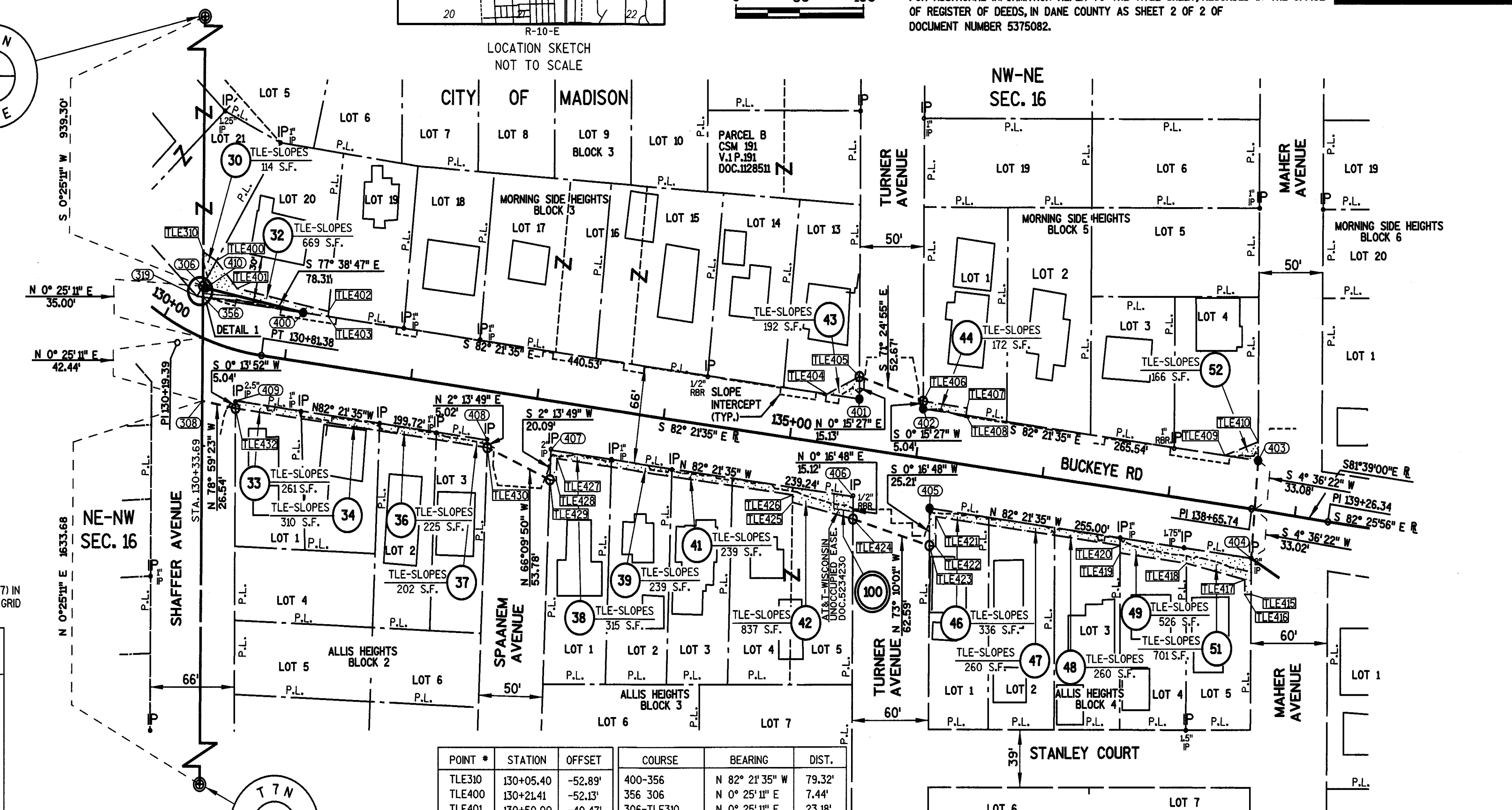
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.



LOCATION SKETCH
NOT TO SCALE



DETAIL 1



HWY	BASIS OF EXIST. R/W
BUCKEYE RD.	MORNING SIDE HEIGHTS & ALLIS HEIGHTS
SHAFFER AVE.	ALLIS HEIGHTS
SPAANEM AVE.	ALLIS HEIGHTS
TURNER AVE.	MORNING SIDE HEIGHTS (NORTH OF BUCKEYE) ALLIS HEIGHTS (SOUTH OF BUCKEYE)
MAHER AVE.	MORNING SIDE HEIGHTS (NORTH OF BUCKEYE) ALLIS HEIGHTS (SOUTH OF BUCKEYE)
STANLEY CT.	ALLIS HEIGHTS

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(1997) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
30	EMILY LAURIEN REIGEL WILSON MONTE LE ROI REIGEL WILSON	TLE	---	---	---	114
32	BENJAMIN H. REDINGTON TAWNIE M. REESE	FEE, TLE	263	---	263	669
33	FRED J. GLASCO JR	TLE	---	---	---	261
34	CHAMBERLAIN ASSOCIATES INC	TLE	---	---	---	310
36	DARALD R. & KATHLEEN A. HANUSA	TLE	---	---	---	225
37	DARALD R. & KATHLEEN A. HANUSA	TLE	---	---	---	202
38	DANIEL E. HOFFMAN	TLE	---	---	---	315
39	HOLLY M. HAFNER	TLE	---	---	---	239
41	LEONARD J. WILKOSZ MARY L. WILKOSZ	TLE	---	---	---	239
42	RICHARD H. LAIN KRISTIN B. SEILING	TLE	---	---	---	837
43	MARY B. SWEENEY	TLE	---	---	---	192
44	GARRET E. BEVERLY	TLE	---	---	---	172
46	DEBRA K. CLARK	TLE	---	---	---	336
47	DANIEL T. RIGNEY	TLE	---	---	---	260
48	WILLIAM L. WOHLGAMUTH JR. JAMIE R. WOHLGAMUTH	TLE	---	---	---	260
49	LAVONNE PROSSER	TLE	---	---	---	526
51	STEVEN D. STARKEY	TLE	---	---	---	701
52	KIMBERLY A. ROBERTS	TLE	---	---	---	166

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	AT&T-WISCONSIN - COMMUNICATION	RELEASE OF RIGHTS

POINT #	STATION	OFFSET	Y	X
306	130+18.80	-32.24	482635.508	839343.031
308	130+46.30	40.12	482558.075	839342.464
356	130+22.43	-25.47	482628.069	839342.976
400	131+10.00	-33.00	482617.522	839421.594
401	135+50.53	-33.00	482558.953	839858.216
402	136+00.95	-33.00	482552.249	839908.186
403	138+66.08	-33.01	482516.945	840171.367
404	138+70.39	32.95	482451.066	840166.059
405	136+14.99	33.00	482484.969	839913.326
406	135+54.49	33.00	482493.012	839853.365
407	133+15.26	33.00	482524.819	839616.253
408	132+65.03	33.00	482531.496	839566.476
409	130+67.61	33.55	482558.049	839368.531
410	130+21.66	-32.00	482634.276	839345.098
411	138+68.24	0.00	482483.975	840168.711
450	130+22.43	-25.47	482628.069	839342.976

POINT #	STATION	OFFSET
TLE310	130+05.40	-52.89'
TLE400	130+21.41	-52.13'
TLE401	130+50.00	-40.47'
TLE402	131+29.72	-36.39'
TLE403	131+29.81	-33.00'
TLE404	135+25.00	-33.00'
TLE405	135+48.59	-48.00'
TLE406	136+00.30	-38.00'
TLE407	136+35.00	-38.00'
TLE408	136+35.00	-33.00'
TLE409	138+40.00	-33.00'
TLE410	138+64.87	-45.50'
TLE415	138+73.82	57.19'
TLE416	138+68.87	57.88'
TLE417	138+67.47	47.98'
TLE418	138+20.07	43.00'
TLE419	137+67.48	43.00'
TLE420	137+66.82	38.00'
TLE421	136+20.68	38.00'
TLE422	136+23.26	58.00'
TLE423	136+18.22	58.00'
TLE424	135+56.43	48.00'
TLE425	135+07.93	43.00'
TLE426	135+07.34	38.00'
TLE427	133+20.75	38.00'
TLE428	133+22.17	53.00'
TLE429	133+17.15	53.00'
TLE430	132+65.51	38.00'
TLE432	130+68.44	38.50'

COURSE	BEARING	DIST.
400-356	N 82° 21'35" W	79.32'
356 306	N 0° 25'11" E	7.44'
306-TLE310	N 0° 25'11" E	23.18'
TLE310-TLE400	S 59° 12'14" E	11.83'
TLE400-TLE401	S 41° 21'41" E	24.84'
TLE401-TLE402	S 77° 38'47" E	73.51'
TLE402-TLE403	S 6° 10'25" W	3.39'
TLE403-TLE404	S 82° 21'35" E	395.19'
TLE404-TLE405	N 65° 11'17" E	27.95'
TLE406-TLE407	S 82° 21'35" E	34.70'
TLE407-TLE408	S 7° 38'25" W	5.00'
TLE408-TLE409	S 82° 21'35" E	205.00'
TLE409-TLE410	N 70° 57'21" E	27.83'
TLE410-403	S 0° 15'58" W	12.60'
404-TLE415	S 0° 18'47" W	24.48'
TLE415-TLE416	N 89° 41'13" W	5.00'
TLE416-TLE417	N 0° 18'47" E	10.00'
TLE417-TLE418	N 76° 15'42" W	47.07'
TLE418-TLE419	N 82° 21'35" W	52.59'
TLE419-TLE420	N 0° 06'32" E	5.04'
TLE420-TLE421	N 82° 21'35" W	146.14'
TLE421-TLE422	S 0° 16'48" W	20.17'
TLE422-TLE423	N 82° 21'35" W	5.04'
TLE424-TLE425	N 76° 28'26" W	48.76'
TLE425-TLE426	N 0° 57'44" E	5.03'
TLE426-TLE427	N 82° 21'35" W	186.59'
TLE427-TLE428	S 2° 13'49" W	15.07'
TLE428-TLE429	N 82° 21'35" W	5.02'
TLE430-TLE432	N 82° 21'35" W	199.54'

P.I. = 130+19.39
Y = 482,597.48
X = 839,322.82
DELTA = 36° 50'28" LT
D = 28° 38'52"
T = 66.61'
L = 128.60'
R = 200.00'
P.C. = 129+52.78
P.T. = 130+81.38

P.I. = 138+65.74
Y = 482484.34
X = 840166.24
DELTA = 0°42'35" RT

P.I. = 139+26.34
Y = 482475.54
X = 840226.19
DELTA = 0°46'56" LT

(100) AT&T WISCONSIN EASEMENT DOC.5234230 PARCEL 42

IP TABLE	
STATION	OFFSET
130+67.70	34.06
131+17.36	33.28
131+79.54	33.00
131+89.82	-33.09
132+24.65	33.43
132+50.21	-33.37
132+64.66	32.54
133+15.20	32.43
133+63.17	32.94
134+11.19	33.33
134+30.53	-32.47
135+54.41	32.40
137+66.14	32.89
138+00.09	-32.45
138+16.73	32.91

STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-09-40-4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) Heather Bartelt DATE 12/4/17
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5375082.

5377336
Office of Register of Deeds
Dane County, Wisconsin
Received for Record Dec 11
20 17 at 12:46 o'clock P M
and recorded in vol. 60-084B
of Plats on page 460
Kristi Chlebowski by
Martha Prusty deputy Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-09-40-4.04
AMENDMENT NO:

APPROVED FOR THE CITY OF MADISON

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: RES-17-00883
FILE ID: 49259
DATE: 11/21/17 Maribeth Witzel-Behl
CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: 11/6/17 [signature], FOR
EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: 11/1/17 [signature] FOR
EXECUTIVE SECRETARY

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\040104_rp.dgn
APPRAISAL PLAT DATE: 12/4/17

PLOT DATE : 12/4/2017 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

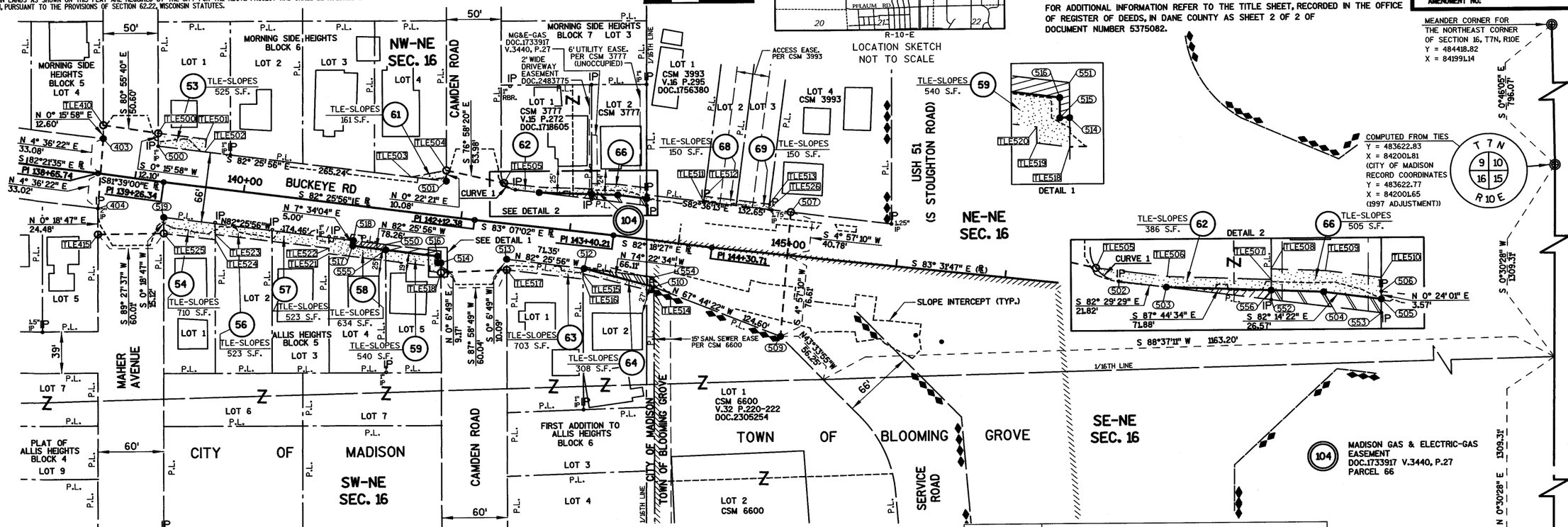
TRANSPORTATION PROJECT PLAT NO: 5992-09-40 - 4.05

THAT PART OF LOTS 1 & 4, BLOCK 6 OF MORNING SIDE HEIGHTS AND THAT PART OF LOTS 1 & 2 OF CSM 3777, AND THAT PART OF LOTS 1, 2, 3, 4, & 5, BLOCK 5 OF ALLIS HEIGHTS, AND THAT PART OF LOTS 1 & 2, BLOCK 6 OF FIRST ADDITION TO ALLIS HEIGHTS, IN THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 16, AND THAT PART OF LOTS 2 & 3 OF CSM 3993 IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 16, T7N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER CTH AB DANE COUNTY CITY OF MADISON, BUCKEYE ROAD (MONONA DRIVE TO STOUGHTON ROAD)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.



IP TABLE	
STATION	OFFSET
138+70.41	32.94
139+16.60	-32.87
139+83.54	-33.03
139+77.76	32.05
140+30.34	32.12
140+82.59	32.03
142.46.24	-32.47
144+81.45	-40.79

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(1997) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW	S.F. REQUIRED EXISTING	TOTAL	TLE S.F.
53	JOYCE M. TYNAN	TLE	---	---	---	525
54	ROBERT C. TEWS	TLE	---	---	---	710
56	KATHLEEN S. LIEBER	TLE	---	---	---	523
57	JUSTIN D. WILLIAMS	TLE	---	---	---	523
58	DIANA L. GLEICHAUF	FEE, TLE	151	---	151	634
59	HATTIE JANE HARBORT	FEE, TLE	272	---	272	540
61	KENNETH J. FERRY CATHERINE BAST	TLE	---	---	---	161
62	ANDREW NEBEL	FEE, TLE	106	---	106	386
63	LAURA H. ZEMP	TLE	---	---	---	703
64	DAVID L. MINTER	FEE, TLE	298	---	298	308
66	JASON A. HARWOOD RELEASE OF RIGHTS FOR DRIVEWAY EASE. DOC.2483775	FEE, TLE	305	---	305	505
68	CYNTHIA J. OLSON	TLE	---	---	---	150
69	VIRGINIA G. BONNER	TLE	---	---	---	150

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
104	MADISON GAS & ELECTRIC - GAS	RELEASE OF RIGHTS

POINT #	STATION	OFFSET	Y	X
403	138+66.08	-33.01	482516.945	840171.367
404	138+70.39	32.95	482451.066	840166.059
500	139+16.60	-32.87	482509.474	840221.333
501	141+82.29	-33.00	482474.542	840484.267
502	142+46.34	-32.47	482466.035	840547.350
503	142+68.16	-32.23	482463.184	840568.986
504	143+39.81	-38.03	482460.352	840640.811
505	143+65.84	-37.99	482456.764	840667.141
506	143+65.39	-41.53	482460.332	840667.166
507	144+98.92	-40.77	482443.255	840798.708
508	145+00.00	0.00	482402.626	840795.187
509	145+02.03	76.58	482326.306	840788.573
510	143+83.05	43.70	482373.508	840673.258
512	143+17.09	34.25	482391.312	840609.592
513	142+45.75	33.40	482400.708	840538.868
514	141+87.06	43.91	482397.677	840478.862
515	141+84.09	44.30	482397.683	840475.862
516	141+83.26	38.00	482404.033	840475.875
517	141+05.00	38.00	482414.340	840398.295
518	141+05.00	33.00	482419.296	840398.953
519	139+30.54	33.00	482442.272	840226.012
550	141+34.89	33.00	482415.360	840428.582
551	141+85.63	33.00	482408.677	840478.884
552	143+16.49	-31.71	482456.868	840616.908
553	143+66.67	-31.53	482450.252	840667.095
554	143+81.82	34.44	482382.851	840673.277
555	141+35.54	38.00	482410.318	840428.570
556	143+15.99	-36.10	482461.294	840616.930

POINT #	STATION	OFFSET
TLE410	138+64.87	-45.50'
TLE415	138+73.82	57.19'
TLE500	139+14.90	-44.85'
TLE501	139+60.00	-45.00'
TLE502	139+60.00	-33.00'
TLE503	141+50.00	-33.00'
TLE504	141+81.03	-43.00'
TLE505	142+35.21	-37.59'
TLE506	142+67.99	-37.24'
TLE507	143+15.41	-41.07'
TLE508	143+14.83	-46.04'
TLE509	143+39.48	-48.04'
TLE510	143+64.56	-47.99'
TLE511	144+17.75	-41.80'
TLE512	144+17.72	-46.80'
TLE513	144+78.68	-46.10'
TLE514	143+83.62	48.01'
TLE515	143+16.68	39.25'
TLE516	143+17.27	44.26'
TLE517	142+46.94	43.42'
TLE518	141+88.25	53.00'
TLE519	141+78.16	53.00'
TLE520	141+77.51	48.00'
TLE521	140+84.48	48.00'
TLE522	140+83.83	43.00'
TLE523	139+79.14	43.00'
TLE524	139+79.78	48.00'
TLE525	139+32.45	48.00'
TLE526	144+78.60	-41.10'

COURSE	BEARING	DIST.
514-515	N 89° 53' 11" W	3.00'
515-516	N 0° 06' 49" E	6.35'
510-TLE514	S 0° 07' 15" W	4.35'
TLE514-TLE515	N 75° 03' 59" W	66.92'
TLE515-TLE516	S 0° 06' 35" W	5.05'
TLE516-TLE517	N 82° 25' 56" W	70.34'
TLE518-TLE519	N 82° 25' 56" W	10.09'
TLE519-TLE520	N 0° 06' 49" E	5.04'
TLE520-TLE521	N 82° 25' 56" W	93.03'
TLE521-TLE522	N 0° 14' 55" E	5.04'
TLE522-TLE523	N 82° 25' 56" W	104.69'
TLE523-TLE524	S 0° 18' 09" W	5.04'
TLE524-TLE525	N 82° 25' 56" W	47.33'
TLE500-TLE501	S 82° 25' 56" E	44.49'
TLE501-TLE502	S 7° 34' 04" W	12.00'
TLE502-TLE503	S 82° 25' 56" E	190.00'
TLE503-TLE504	N 79° 42' 23" E	32.60'
TLE505-TLE506	S 82° 29' 29" E	32.77'
TLE506-TLE507	S 87° 44' 34" E	47.58'
TLE507-TLE508	N 0° 16' 45" E	5.00'
TLE508-TLE509	S 87° 44' 34" E	24.73'
TLE509-TLE510	S 82° 14' 22" E	25.75'
TLE510-506	S 0° 19' 54" W	6.52'
506-TLE511	S 82° 36' 13" E	52.36'
TLE511-TLE512	N 7° 23' 47" E	5.00'
TLE512-TLE513	S 82° 36' 13" E	59.96'
TLE513-TLE526	S 7° 23' 47" W	5.00'
TLE526-507	S 82° 36' 13" E	20.33'

HWY	BASIS OF EXIST. R/W
BUCKEYE RD.	MORNING SIDE HEIGHTS, ALLIS HEIGHTS, FIRST ADDITION TO ALLIS HEIGHTS, CSM 3993, CSM 6600, EXISTING ACCESS CONTROL BASED UPON CSM NO. 6600 & DOC.1163146 & DOC.1174269
MAHER RD.	ALLIS HEIGHTS
CAMDEN RD.	MORNING SIDE HEIGHTS (NORTH OF BUCKEYE) ALLIS HEIGHTS, FIRST ADDITION TO ALLIS HEIGHTS (SOUTH OF BUCKEYE)
USH 51 (S. STOUGHTON RD.)	PREVIOUS PROJECT: T05-1(1), T05-1(25) EXISTING ACCESS CONTROL BASED ON PREVIOUS PROJECT: CA 05-1 (1)

COURSE	BEARING	DIST.
503-556	S 87° 44' 34" E	47.96'
556-552	N 0° 16' 45" E	4.43'
552-503	N 82° 29' 29" W	48.34'
556-504	S 87° 44' 34" E	23.90'
504-505	S 82° 14' 22" E	26.57'
505-553	S 0° 24' 01" W	6.51'
553-552	N 82° 29' 29" W	50.62'
518-550	S 82° 25' 56" E	29.89'
550-555	S 0° 08' 41" W	5.04'
550-551	S 82° 25' 56" E	50.74'
551-514	S 0° 06' 49" W	11.00'
514-515	N 89° 53' 11" W	3.00'
515-516	N 0° 06' 49" E	6.35'
516-555	N 82° 25' 56" W	47.72'
555-517	N 82° 25' 56" W	30.54'
517-518	N 7° 34' 04" E	5.00'
512-554	S 82° 25' 56" E	64.24'
554-510	S 0° 07' 15" W	9.34'
510-512	N 74° 22' 34" W	66.11'

CURVE 1
R = 15.00'
L = 12.62'
LC = 12.25'
LCB = S 58° 23' 47" E
DELTA = 48°11'23" LT

P.I. = 138+65.74
Y = 482484.34
X = 840166.24
DELTA = 0°42'35" RT

P.I. = 139+26.34
Y = 482475.54
X = 840226.19
DELTA = 0°46'56" LT

P.I. = 142+12.38
Y = 482437.87
X = 840509.74
DELTA = 0°41'06" LT

P.I. = 143+40.21
Y = 482422.55
X = 840636.65
DELTA = 0°48'35" RT

P.I. = 144+30.71
Y = 482410.43
X = 840726.34
DELTA = 1°13'20" LT

P.I. = 147+47.93
Y = 482374.69
X = 841041.54

APPROVED FOR THE CITY OF MADISON
RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: RES-17-00883 FILE ID: 49259 DATE: 11/21/17 Maribeth Witzel-Behl CITY CLERK
RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION DATE: 11/6/17 for EXECUTIVE SECRETARY
RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS DATE: 11/1/17 for EXECUTIVE SECRETARY

STRAND ASSOCIATES, INC.®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-09-40-4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) Heather Bartelt DATE 12/4/17
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

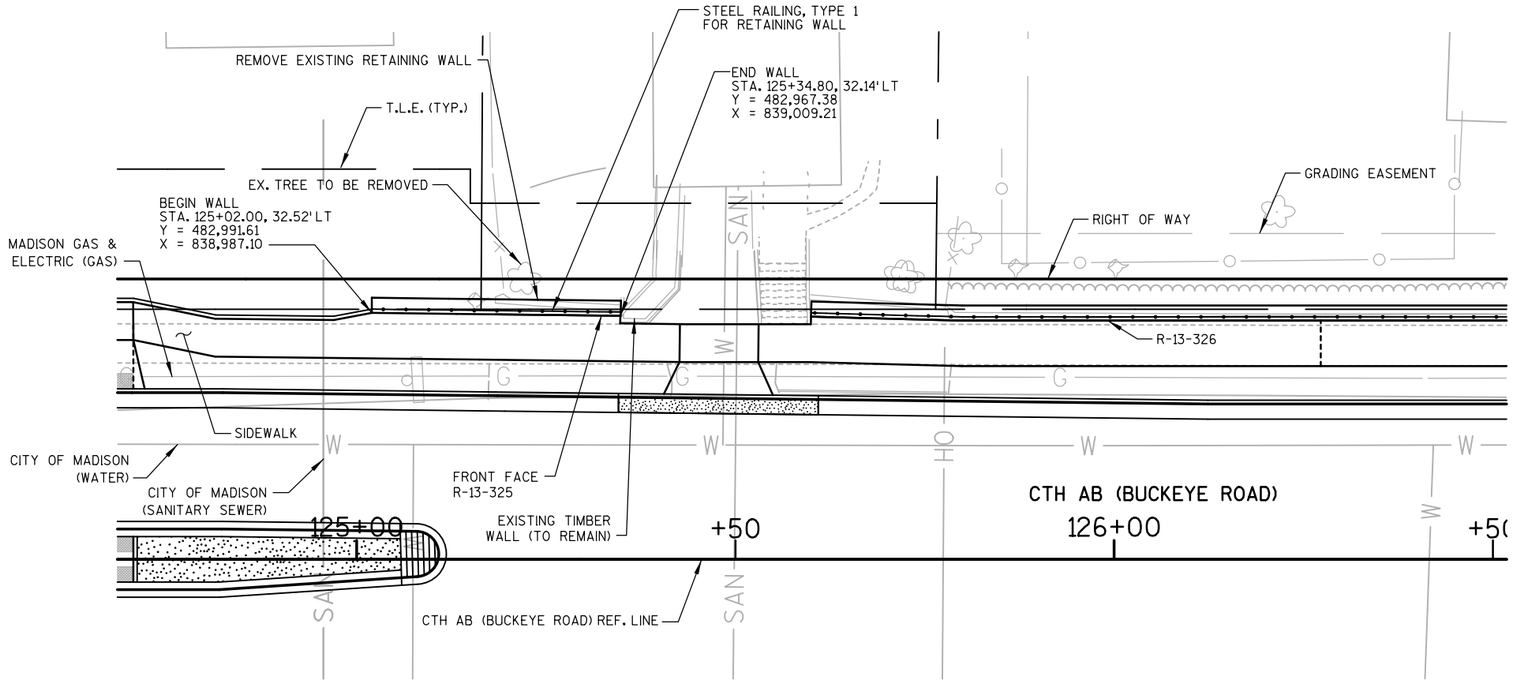
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5375082.

5377337
Office of Register of Deeds
Dane County, Wisconsin
Received for Record 12/11
20 17 at 12:46 o'clock P M
and recorded in vol. 60-08AB
of Plats on page 461
Kurt Chlebowski by
Mark Penford-Roberts Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-09-40-4.05
AMENDMENT NO:

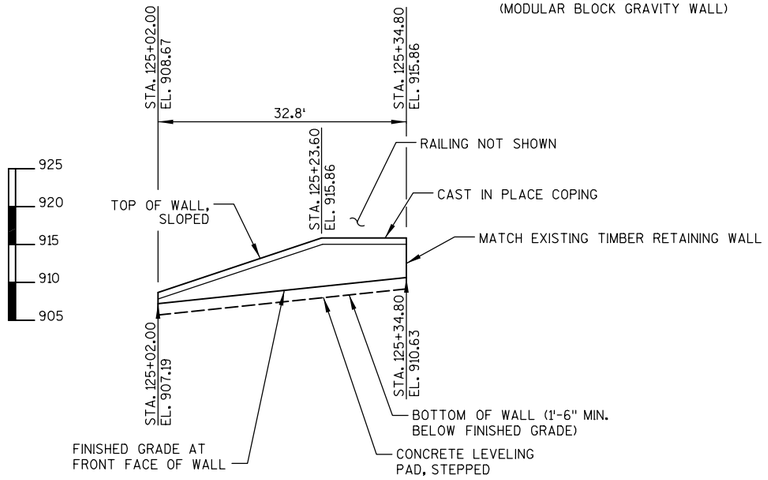
FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\040105_rp.dgn
APPRAISAL PLAT DATE: 12/4/17
PLOT DATE : 12/4/2017 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

5992-09-40-4.05



PLAN

(MODULAR BLOCK GRAVITY WALL)



ELEVATION

(LOOKING AT F.F. OF WALL)

GEOMETRY TABLE

STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
125+02.00	32.52' LT	908.67	907.19
125+23.60	32.27' LT	915.86	909.50
125+34.80	32.14' LT	915.86	910.63

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	QUANTITY	UNIT
90020	STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-325	34	LF
90025	CONCRETE STAINING R-13-325	183	SF
20130	UNDERDRAIN	35	LF
90015	WALL MODULAR BLOCK GRAVITY R-13-325	199	SF

PROJECT NUMBER

10228

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-325" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

ALL DIMENSIONS AND STATIONING ARE ALONG THE FRONT FACE OF WALL AT FINISHED GROUND, UNLESS OTHERWISE SHOWN.

BAR STEEL REINFORCEMENT FOR CAST IN PLACE CONCRETE SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL EXPOSED EDGES OF CONCRETE 3/4-INCH UNLESS NOTED OTHERWISE.

WET CAST BLOCKS ARE REQUIRED FOR THIS WALL.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-325."

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE TYPICAL WALL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

TOP OF WALL ELEVATIONS SHOWN ARE MINIMUM VALUES. MODULAR BLOCK WALL SHALL BE STEPPED AT THE LOCATIONS DETERMINED BY THE WALL MANUFACTURER.

ALLOWABLE WALL SYSTEMS

1. WALL MODULAR BLOCK GRAVITY

LIST OF DRAWINGS

1. GENERAL PLAN
2. WALL DETAILS
3. RAILING DETAILS
4. SUBSURFACE EXPLORATION

DESIGN CONSULTANT CONTACT:
ELISA BECKER (608) 251-4843

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STRUCTURE R-13-325

RETAINING WALL ALONG CTH AB (BUCKEYE ROAD)

COUNTY DANE — ~~TOWN~~/CITY/~~VILLAGE~~ MADISON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
ECB	BMO	ECB	BMO

GENERAL PLAN

RTW-1

8

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PROJECT NUMBER
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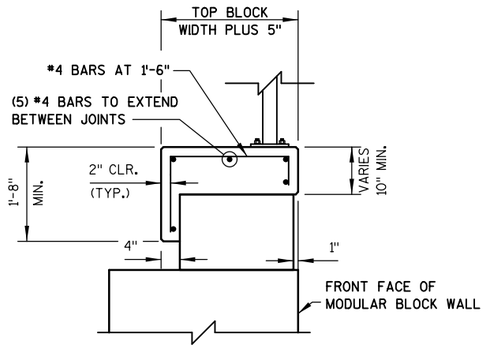


CAST IN PLACE CONCRETE COPING DETAIL

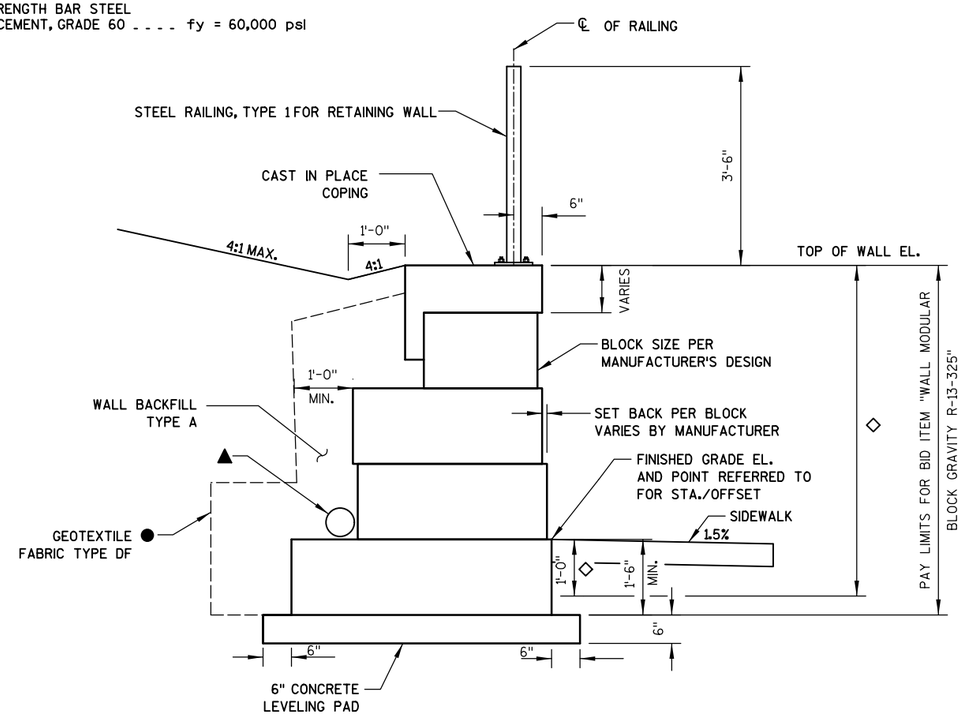
NOTE:
BAR STEEL REINFORCEMENT AND CAST IN PLACE CONCRETE TO BE INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-325"

DO NOT RUN BAR STEEL THRU EXPANSION OR CONTRACTION JOINT.

MATERIAL PROPERTIES:

CONCRETE MASONRY . . . . . fc'= 3,500 psi

HIGH STRENGTH BAR STEEL
REINFORCEMENT, GRADE 60 . . . . fy = 60,000 psi



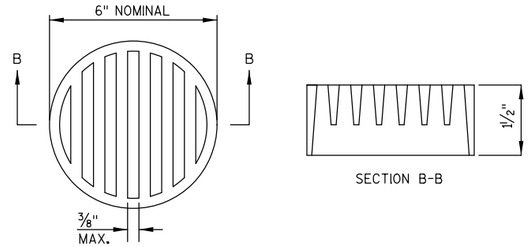
WALL MODULAR BLOCK GRAVITY TYPICAL SECTION

PRECAST MODULAR BLOCK TEXTURE SHALL BE SELECTED BY CITY FROM MANUFACTURER'S STANDARD OPTIONS.

▲ UNDERDRAIN. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE AT WEST END OF WALL. ATTACH END CAP AT EAST END OF UNDERDRAIN. ATTACH RODENT SHIELD AT WEST END OF UNDERDRAIN. SEE DETAIL THIS SHEET.

● GEOTEXTILE FABRIC SHALL COMPLETELY SEPARATE WALL BACKFILL TYPE A FROM BACKFILL ON ALL SIDES.

◇ APPLY CONCRETE STAINING FROM TOP OF CAST IN PLACE COPING TO 1'-0" BELOW FINISHED GRADE ELEVATION.



NOTES:
DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SHIELD SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "UNDERDRAIN."

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS
WALL HEIGHT (FEET)[1]	6.73
EXPOSED WALL HEIGHT (FEET)	5.23
WALL STATION	125+34.50
BORING USED	B-15
CAPACITY TO DEMAND RATIO (CDR)[2, 3]	
SLIDING (CDR>1.0)	1.45
ECCENTRICITY (CDR>1.0)	1.04
OVERALL STABILITY (CDR>1.0)	1.45
BEARING RESISTANCE (CDR>1.0)	1.32
FACTORED BEARING RESISTANCE (PSF)	1889

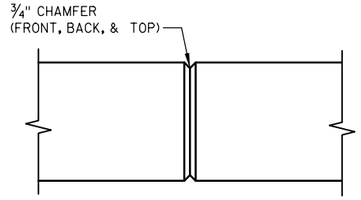
NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD OF 100 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.
* FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. THE PROJECT SOILS ENGINEER SHOULD REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALLS TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING STRENGTH SHOWN IN THE TABLE ABOVE.

2. FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PSF)
BORING B-15			
MEDIUM DENSE SAND, SOME SILT AND GRAVEL (EL. 909 TO EL. 912) (FOUNDATION SOIL)	120	33	0
VERY DENSE, APPARENT WEATHERED TO COMPETENT DOLOMITE LIMESTONE BEDROCK (BELOW EL. 909)	135	40	0



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 12'. SET JOINT LOCATION TO ALIGN WITH MODULAR BLOCK JOINT BELOW.

STRUCTURE R-13-325

DRAWN BY	ECB	PLANS CK'D.	BMO

WALL DETAILS

RTW-2

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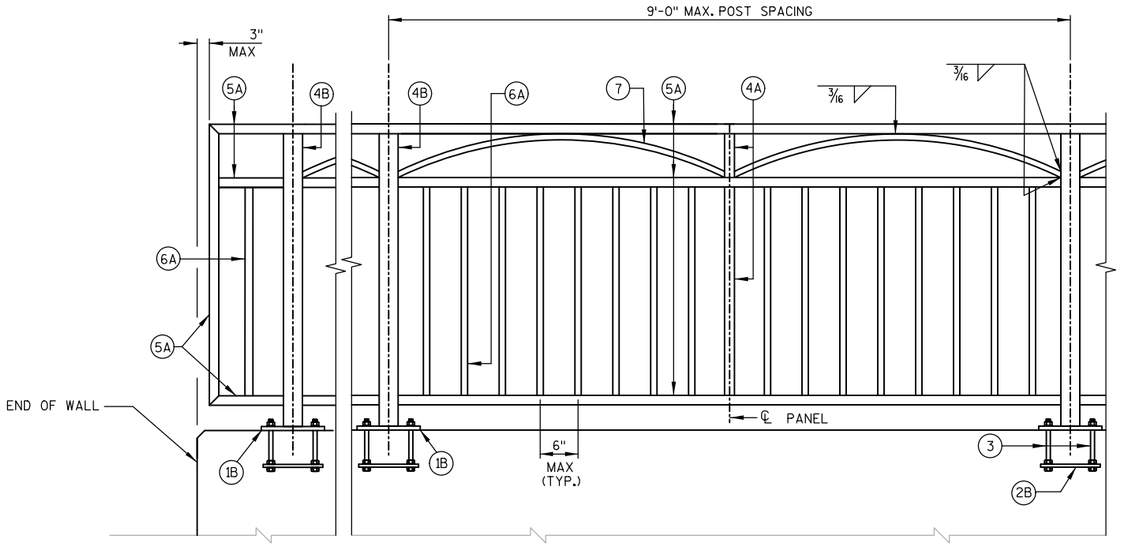
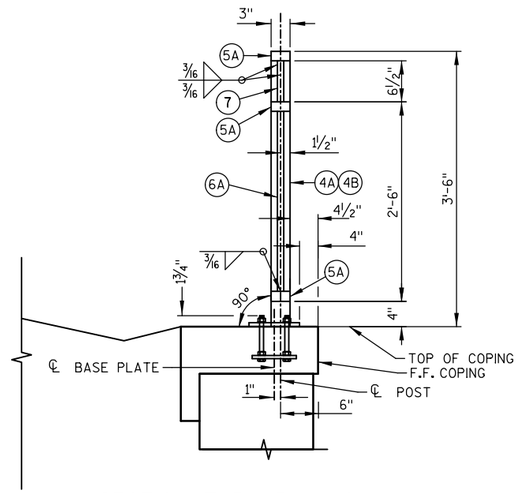
PROJECT NUMBER
10228

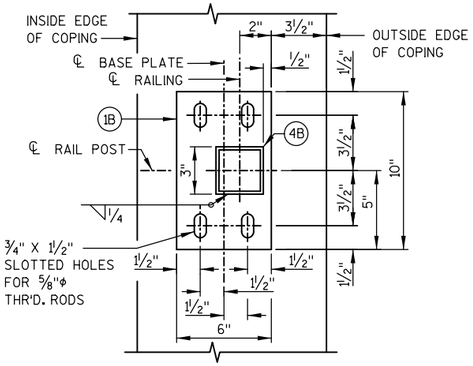


RAILING AT ENDS

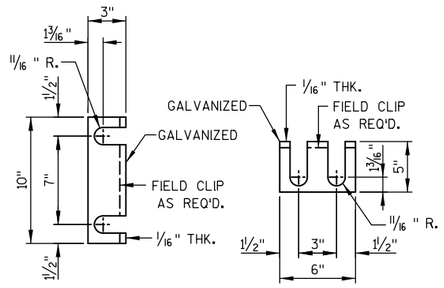
ELEVATION
(WISDOT TYPE C3 MODIFIED)



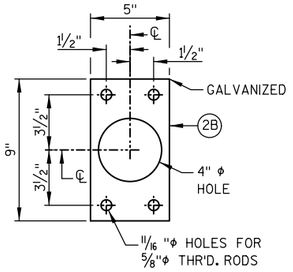
SECTION THRU RAILING



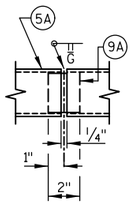
TYPICAL RAIL POST BASE PLATE



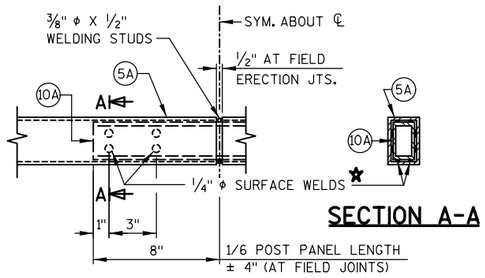
RAIL POST SHIM DETAIL
(2 SETS PER POST)



ANCHOR PLATE



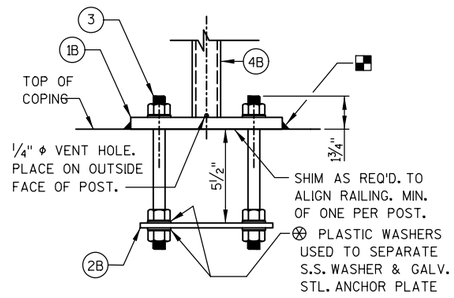
SHOP RAIL SPLICE DETAIL
(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



SECTION A-A

FIELD ERECTION JOINT DETAIL

★ MIN. 5/8" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



ANCHORAGE FOR RAIL POSTS

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED. WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

- (1B) PLATE 5/8" X 6" X 10" WITH 3/4" X 1 1/2" SLOTTED HOLES
- (2B) 1/4" X 5" X 9" ANCHOR PLATE WITH 11/16 " ϕ HOLES FOR THR'D. RODS NO. 3.
- (3) 5/8" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 5/8-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.
- (4A) STRUCTURAL TUBING 3" X 1 1/2" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.
- (4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.
- (5A) STRUCTURAL TUBING 3" X 1 1/2" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION JOINTS.
- (6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX ℄ TO ℄ SPACING). PLACE VERTICAL.
- (7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.
- (9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".
- (10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-325", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6, BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE RAILING SHALL BE PAINTED FEDERAL COLOR NO. 17038, BLACK.

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

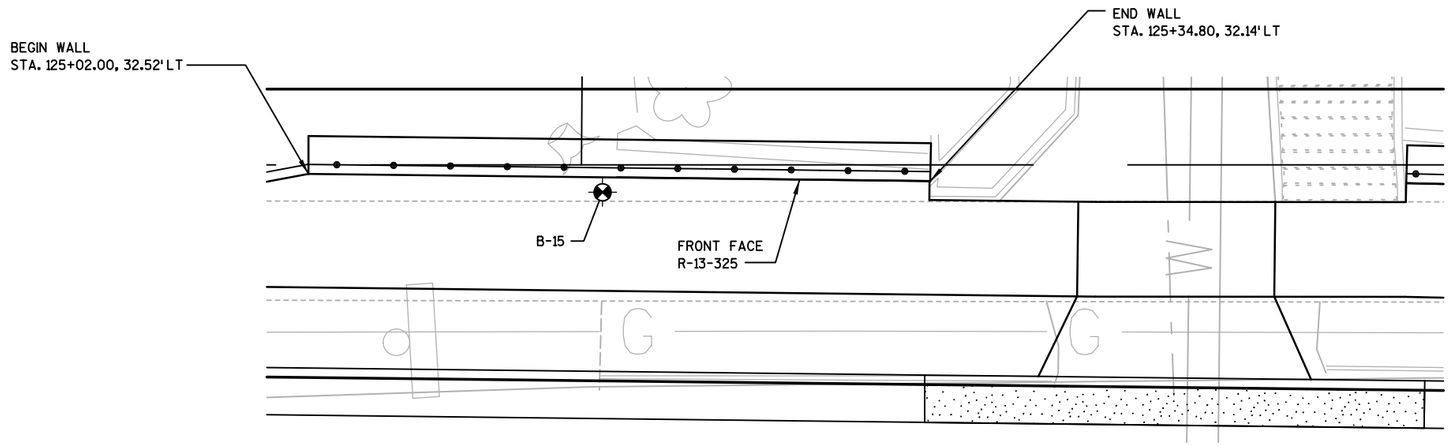
COORDINATE POST LAYOUT WITH MODULAR BLOCK COPING JOINT LAYOUT.

STRUCTURE R-13-325			
	DRAWN BY ECB	PLANS CK'D. BMO	
RAILING DETAILS		RTW-3	

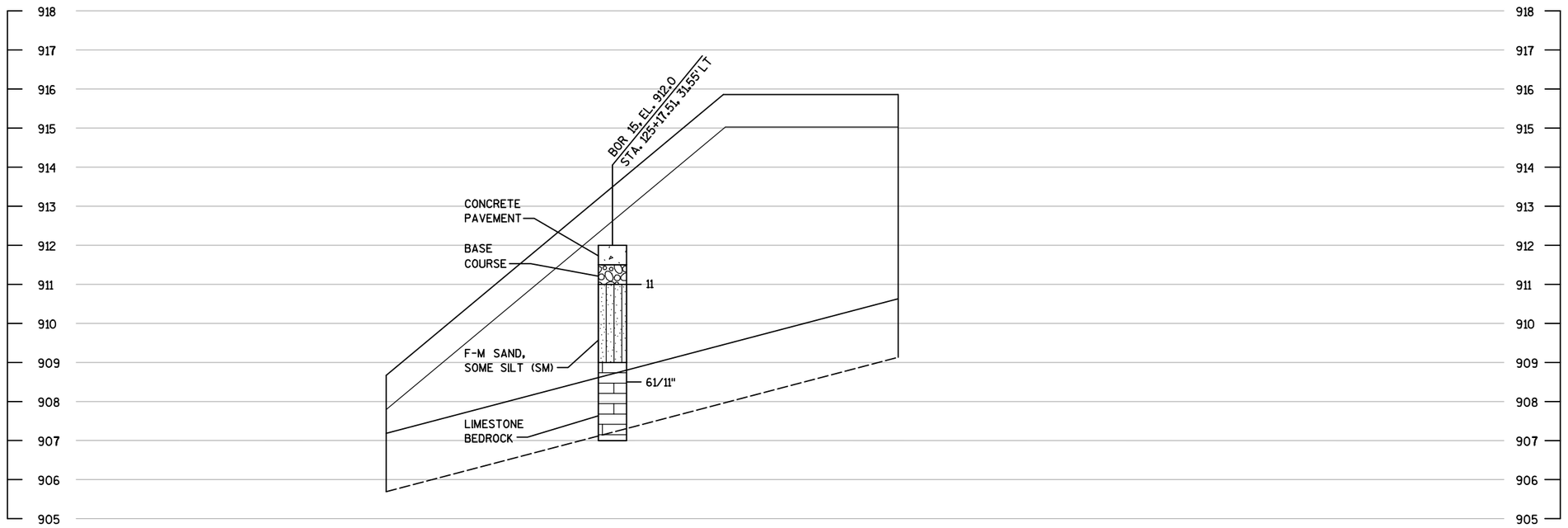
8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
15	8/7/2017	482,979.59	838,996.99
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS DANE COUNTY			



CTH AB (BUCKEYE ROAD)



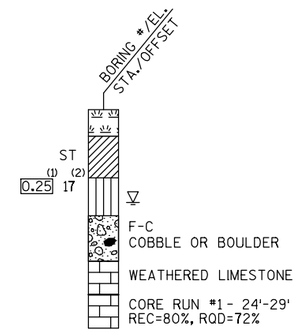
PROJECT NUMBER

10228

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE CITY DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

8

STRUCTURE R-13-325

DRAWN BY	DTH	PLANS CK'D.	BMO

SUBSURFACE EXPLORATION

RTW-4

SCALE =

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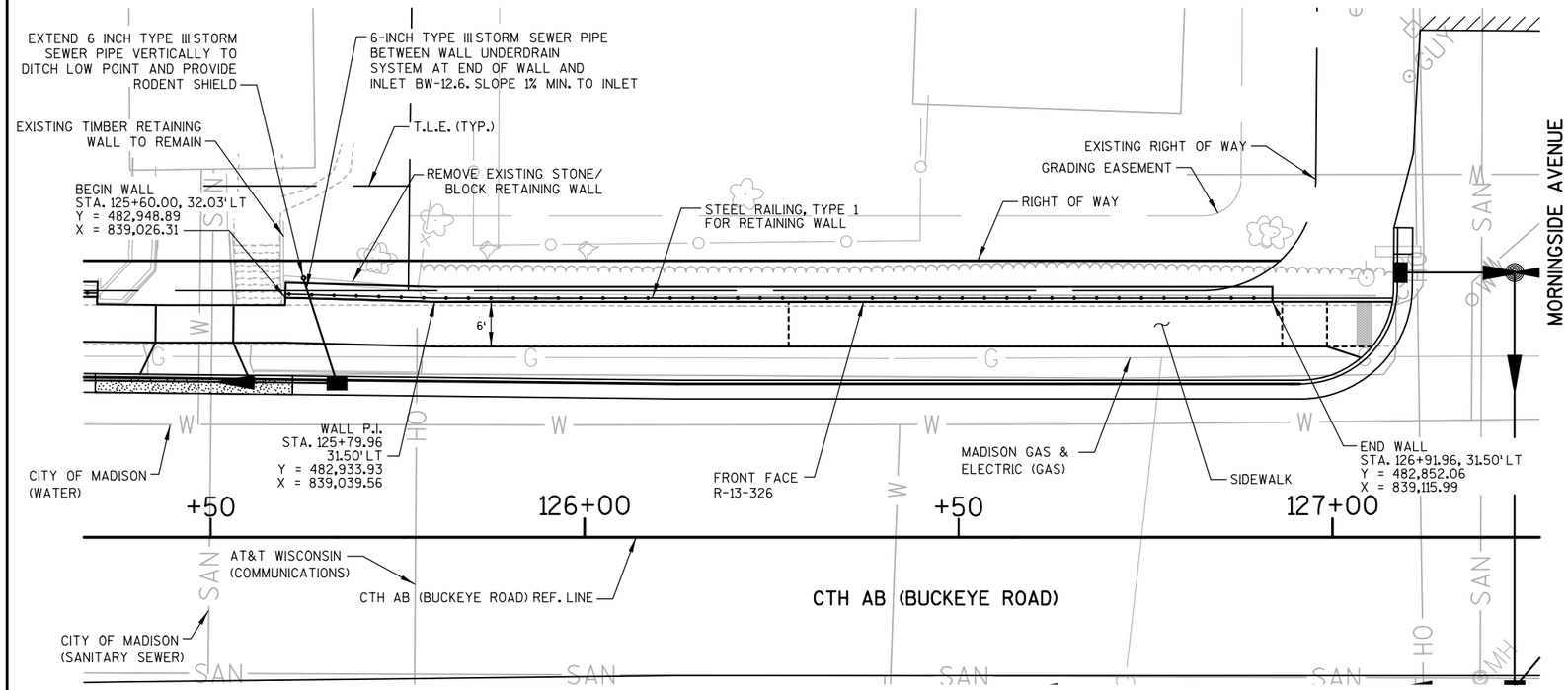
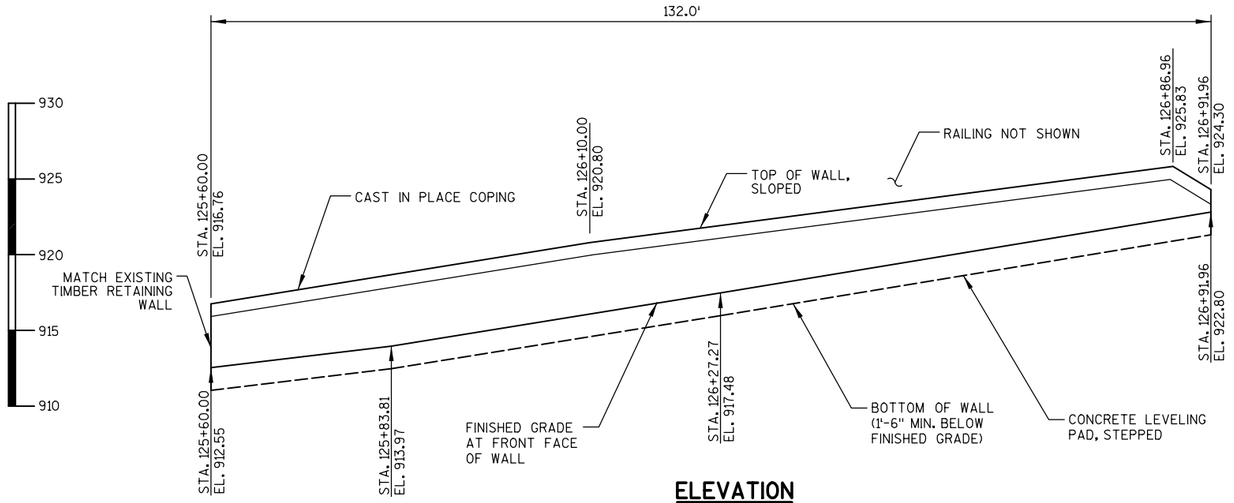


PLAN

(MODULAR BLOCK GRAVITY WALL)



ELEVATION

(LOOKING AT F.F. OF WALL)

GEOMETRY TABLE

STATION	OFFSET TO F.F. WALL	TOP OF WALL	FINISHED GRADE ELEV.
125+60.00	32.03' LT	916.76	912.55
125+80.00	31.50' LT	918.38	913.72
125+83.81	31.50' LT	918.69	913.97
126+00.00	31.50' LT	920.00	915.25
126+10.00	31.50' LT	920.80	916.06
126+25.00	31.50' LT	921.80	917.30
126+27.27	31.50' LT	921.94	917.48
126+50.00	31.50' LT	923.44	919.35
126+75.00	31.50' LT	925.09	921.41
126+86.96	31.50' LT	925.83	922.40
126+91.96	31.50' LT	924.30	922.80

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	QUANTITY	UNIT
90021	STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-326	133	LF
90026	CONCRETE STAINING R-13-326	690	SF
50440	6 INCH TYPE III STORM SEWER PIPE	20	LF
20130	UNDERDRAIN	130	LF
90016	WALL MODULAR BLOCK GRAVITY R-13-326	755	SF

PROJECT NUMBER

10228

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-326" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

ALL DIMENSIONS AND STATIONING ARE ALONG THE FRONT FACE OF WALL AT FINISHED GROUND, UNLESS OTHERWISE SHOWN.

BAR STEEL REINFORCEMENT FOR CAST IN PLACE CONCRETE SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL EXPOSED EDGES OF CONCRETE 3/4-INCH UNLESS NOTED OTHERWISE.

WET CAST BLOCKS ARE REQUIRED FOR THIS WALL.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-326."

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE TYPICAL WALL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

TOP OF WALL ELEVATIONS SHOWN ARE MINIMUM VALUES. MODULAR BLOCK WALL SHALL BE STEPPED AT THE LOCATIONS DETERMINED BY THE WALL MANUFACTURER.

ALLOWABLE WALL SYSTEMS

1. WALL MODULAR BLOCK GRAVITY

LIST OF DRAWINGS

DESIGN CONSULTANT CONTACT:
ELISA BECKER (608) 251-4843

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STRUCTURE R-13-326

RETAINING WALL ALONG CTH AB (BUCKEYE ROAD)

COUNTY		~~TOWN~~/CITY/~~VILLAGE~~	
	DANE		MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	ECB	DESIGN CK'D.	BMO	DRAWN BY	ECB	PLANS CK'D.	BMO

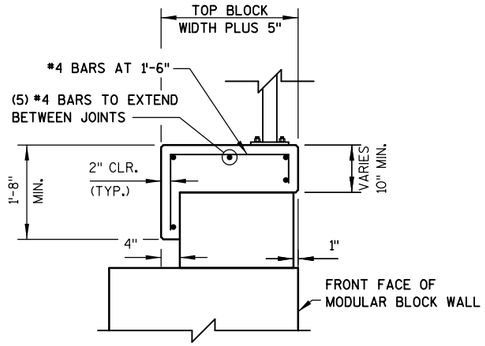
GENERAL PLAN

RTW-5

8

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023105_gp.dgn

PROJECT NUMBER
10228



CAST IN PLACE CONCRETE COPING DETAIL

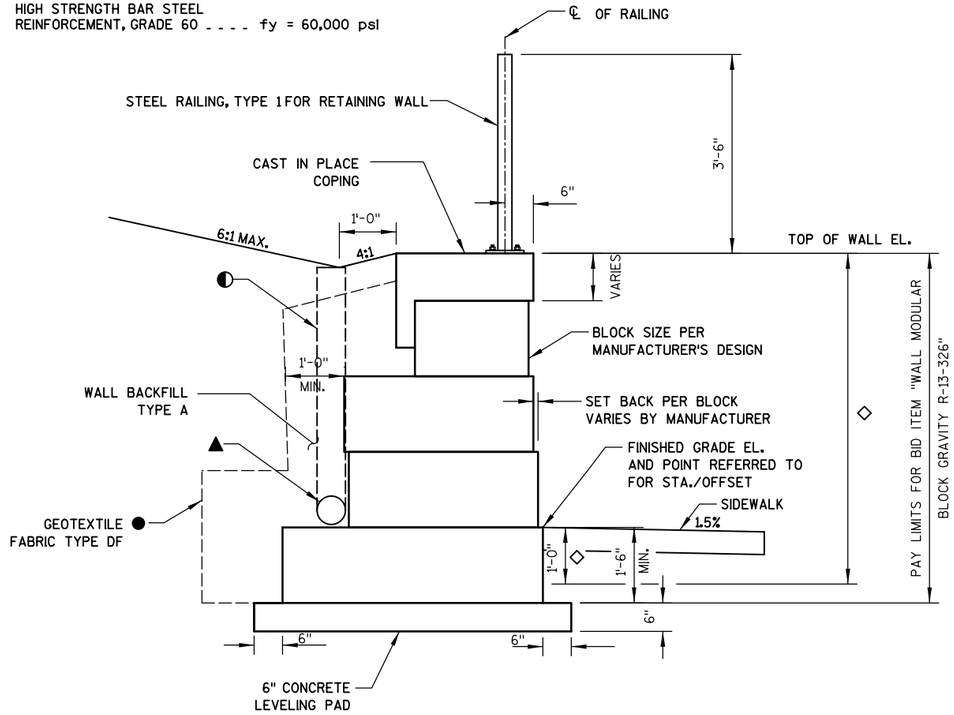
NOTE:
BAR STEEL REINFORCEMENT AND CAST IN PLACE CONCRETE TO BE INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-326"

DO NOT RUN BAR STEEL THRU EXPANSION OR CONTRACTION JOINT.

MATERIAL PROPERTIES:

CONCRETE MASONRY . . . . . fc'= 3,500 psi

HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 . . . . fy = 60,000 psi



WALL MODULAR BLOCK GRAVITY TYPICAL SECTION

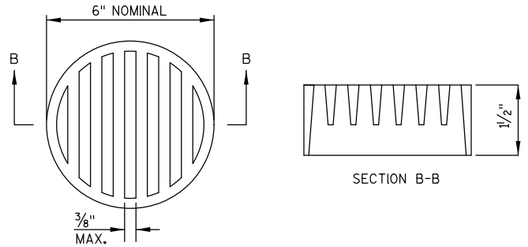
PRECAST MODULAR BLOCK TEXTURE SHALL BE SELECTED BY CITY FROM MANUFACTURER'S STANDARD OPTIONS.

▲ UNDERDRAIN. SLOPE 0.5% MIN. TO INLET BW-12.6 NEAR WEST END OF WALL. ATTACH END CAP AT EAST END OF UNDERDRAIN.

● GEOTEXTILE FABRIC SHALL COMPLETELY SEPARATE WALL BACKFILL TYPE A FROM BACKFILL ON ALL SIDES.

◇ APPLY CONCRETE STAINING FROM TOP OF CAST IN PLACE COPING TO 1'-0" BELOW FINISHED GRADE ELEVATION.

◐ EXTEND 6-INCH TYPE III STORM SEWER PIPE VERTICALLY TO DITCH LOW POINT NEAR WEST END OF WALL FROM UNDERDRAIN AND PROVIDE RODENT SHIELD.



NOTES:
DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "UNDERDRAIN."

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS
WALL HEIGHT (FEET)[1]	6.25
EXPOSED WALL HEIGHT (FEET)	4.75
WALL STATION	126+00
BORING USED	B-14
CAPACITY TO DEMAND RATIO (CDR)[2, 3]	
SLIDING (CDR>1.0)	1.53
ECCENTRICITY (CDR>1.0)	1.19
OVERALL STABILITY (CDR>1.0)	1.47
BEARING RESISTANCE (CDR>1.0)	1.44
FACTORED BEARING RESISTANCE (PSF)	1732

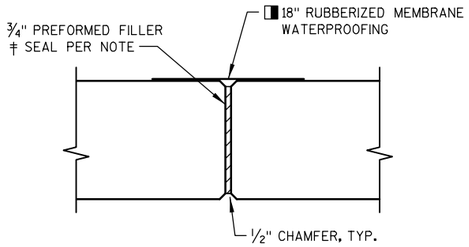
NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD OF 100 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.
* FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. THE PROJECT SOILS ENGINEER SHOULD REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALLS TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING STRENGTH SHOWN IN THE TABLE ABOVE.

2. FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PSF)
BORING B-14			
MEDIUM DENSE SAND, SOME SILT AND GRAVEL (EL. 917 TO EL. 920) (FOUNDATION SOIL)	120	33	0
VERY DENSE, APPARENT WEATHERED TO COMPETENT DOLOMITE LIMESTONE BEDROCK (BELOW EL. 917)	135	40	0

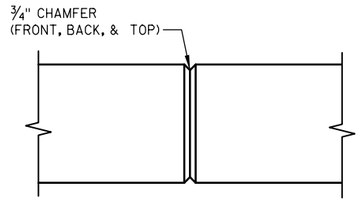


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO BOTTOM OF COPING. MEMBRANE WATERPROOFING INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-326".

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE.)



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 12'. SET JOINT LOCATION TO ALIGN WITH MODULAR BLOCK JOINT BELOW.

STRUCTURE R-13-326

DRAWN BY	ECB	PLANS CK'D.	BMO

WALL DETAILS

RTW-6

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8

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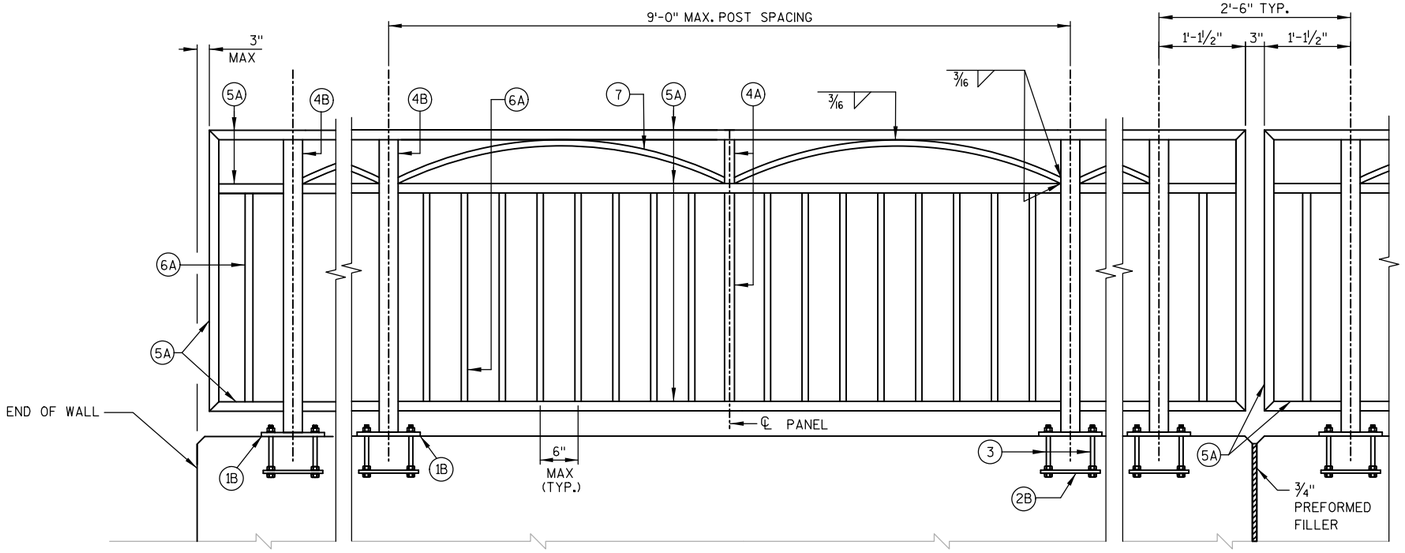
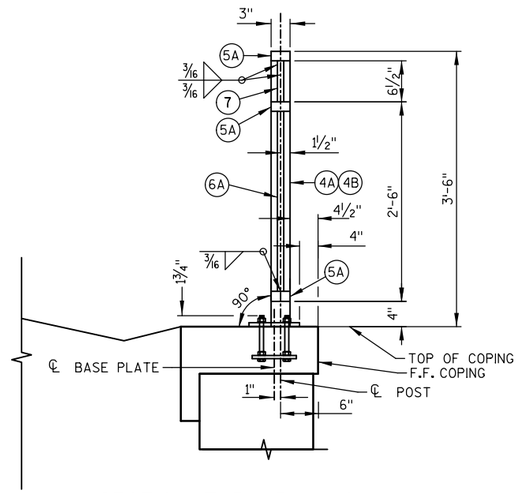
PROJECT NUMBER
10228



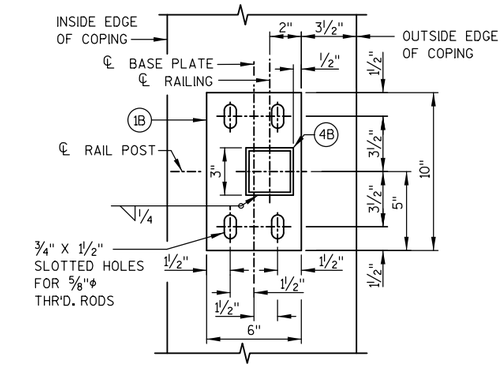
RAILING AT ENDS

ELEVATION
(WISDOT TYPE C3 MODIFIED)

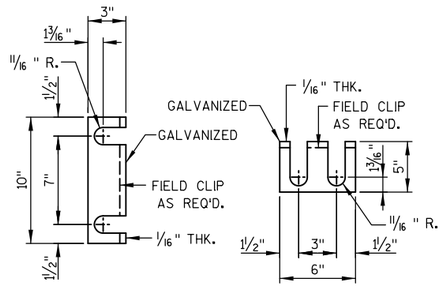
RAILING AT EXPANSION JOINT



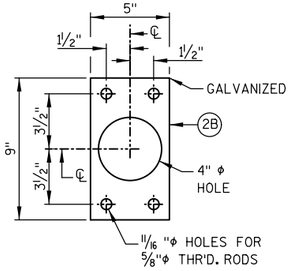
SECTION THRU RAILING



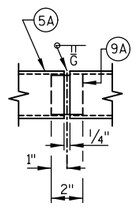
TYPICAL RAIL POST BASE PLATE



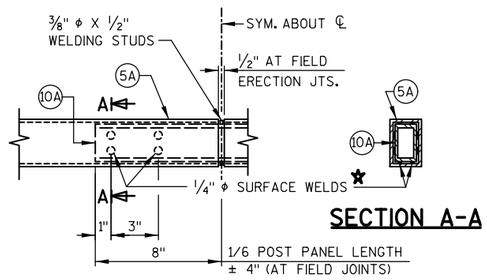
RAIL POST SHIM DETAIL
(2 SETS PER POST)



ANCHOR PLATE



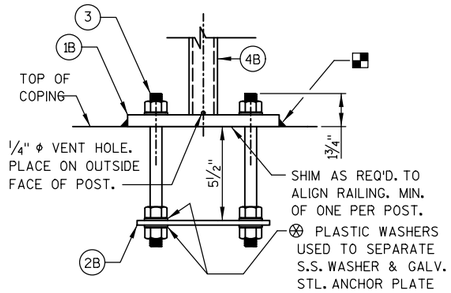
SHOP RAIL SPLICE DETAIL
(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



SECTION A-A

FIELD ERECTION JOINT DETAIL

★ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



ANCHORAGE FOR RAIL POSTS

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED. WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

(1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES

(2B) ¼" X 5" X 9" ANCHOR PLATE WITH 11/16 " φ HOLES FOR THR'D. RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4A) STRUCTURAL TUBING 3" X 1½" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX ℄ TO ℄ SPACING). PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-326", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6, BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE RAILING SHALL BE PAINTED FEDERAL COLOR NO. 17038, BLACK.

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

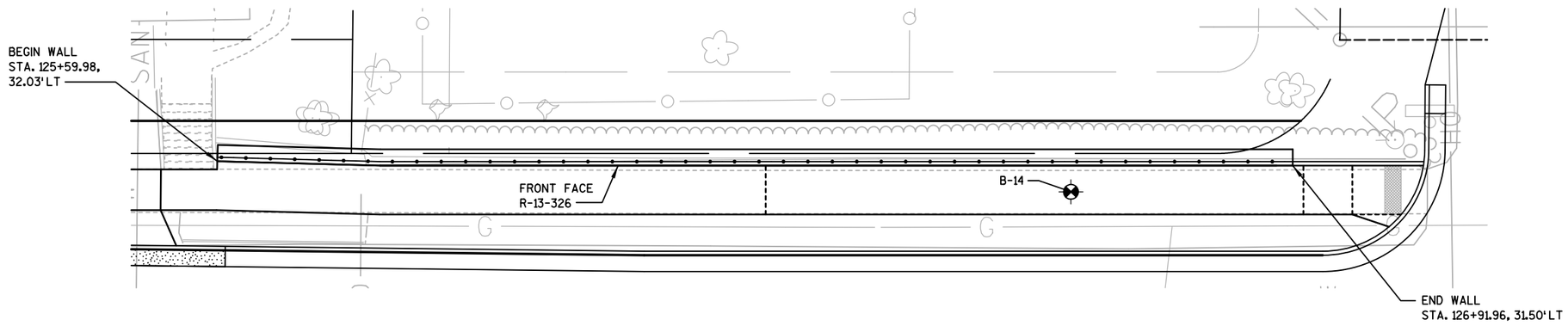
COORDINATE POST LAYOUT WITH MODULAR BLOCK COPING JOINT LAYOUT.

STRUCTURE R-13-326			
	DRAWN BY ECB	PLANS CK'D. BMO	
RAILING DETAILS			RTW-7

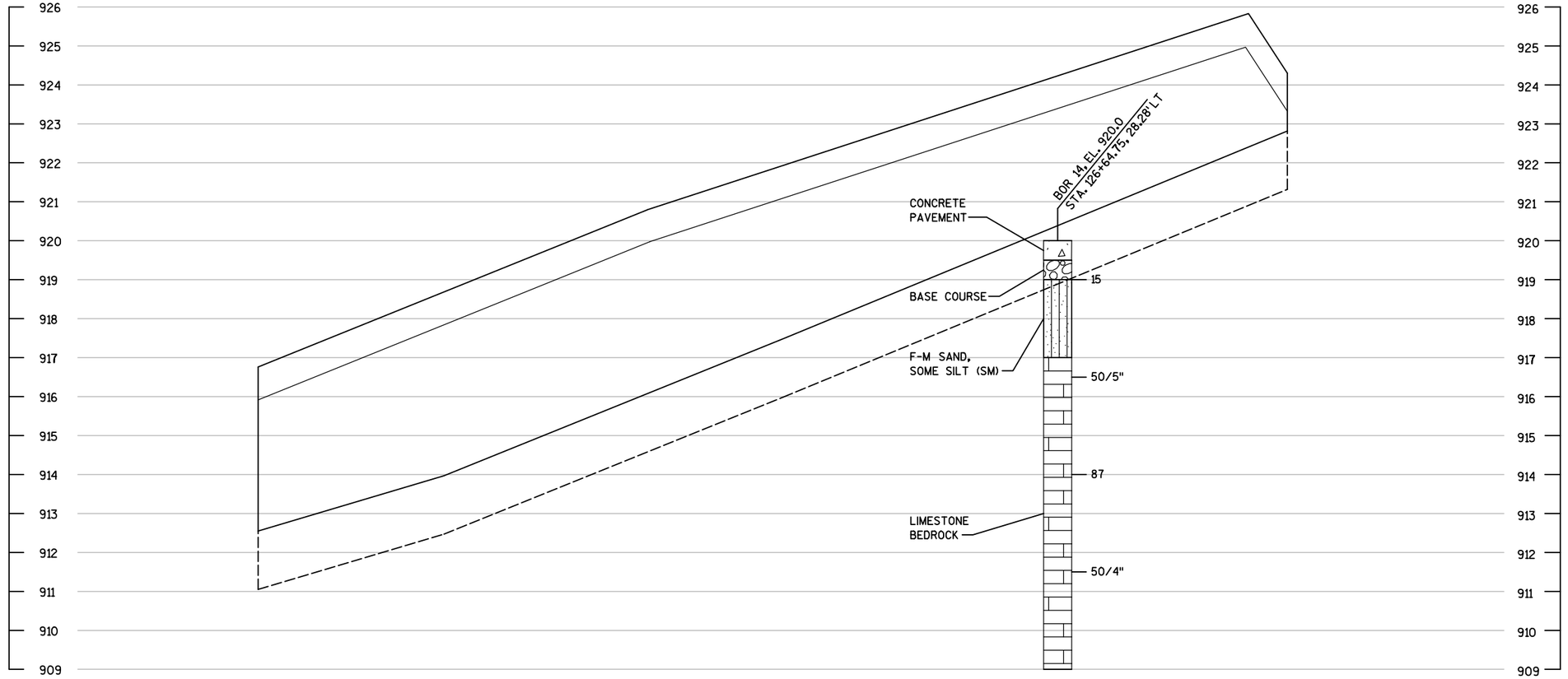
8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
14	8/7/2017	482,869.76	839,095.07
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS DANE COUNTY			



CTH AB (BUCKEYE ROAD)



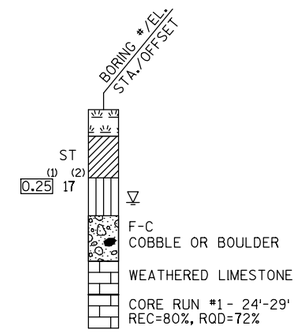
PROJECT NUMBER

10228

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE CITY DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

STRUCTURE R-13-326

DRAWN BY	DTH	PLANS CK'D.	BMO

SUBSURFACE EXPLORATION

RTW-8

8

8

SCALE =

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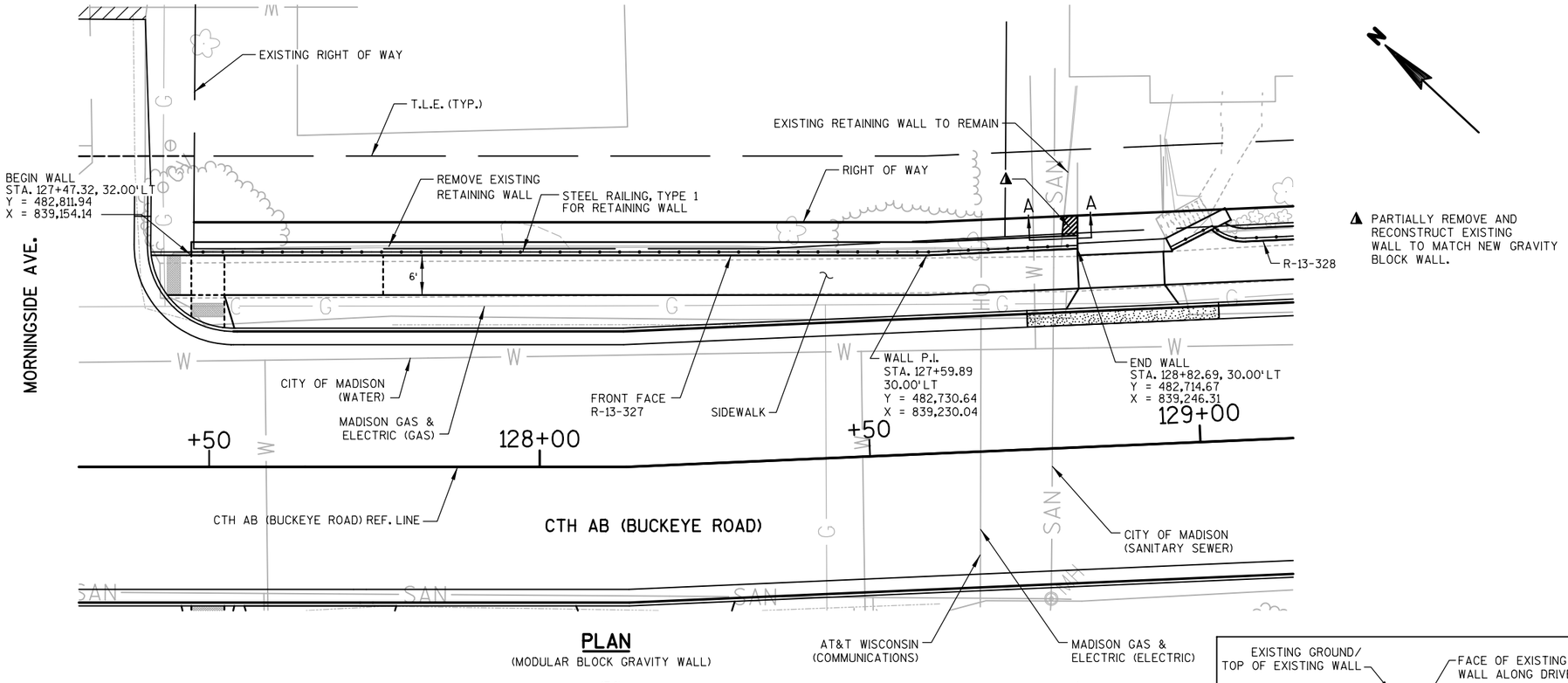
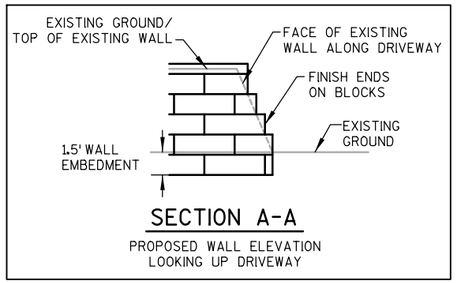
PROJECT NUMBER
10228

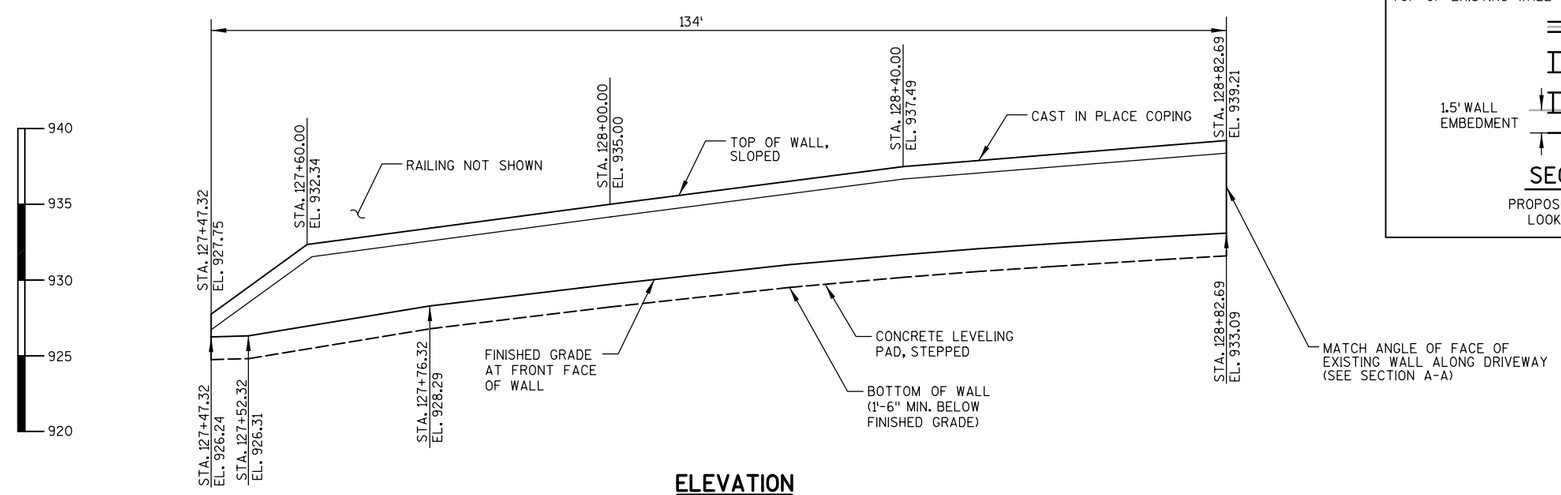


PLAN
(MODULAR BLOCK GRAVITY WALL)

▲ PARTIALLY REMOVE AND RECONSTRUCT EXISTING WALL TO MATCH NEW GRAVITY BLOCK WALL.



SECTION A-A
PROPOSED WALL ELEVATION
LOOKING UP DRIVEWAY



ELEVATION
(LOOKING AT F.F. OF WALL)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-327" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

ALL DIMENSIONS AND STATIONING ARE ALONG THE FRONT FACE OF WALL AT FINISHED GROUND, UNLESS OTHERWISE SHOWN.

BAR STEEL REINFORCEMENT FOR CAST IN PLACE CONCRETE SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL EXPOSED EDGES OF CONCRETE 3/4-INCH UNLESS NOTED OTHERWISE.

WET CAST BLOCKS ARE REQUIRED FOR THIS WALL.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-327."

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE TYPICAL WALL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

TOP OF WALL ELEVATIONS SHOWN ARE MINIMUM VALUES. MODULAR BLOCK WALL SHALL BE STEPPED AT THE LOCATIONS DETERMINED BY THE WALL MANUFACTURER.

ALLOWABLE WALL SYSTEMS

1. WALL MODULAR BLOCK GRAVITY

GEOMETRY TABLE

STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
127+47.32	32.00' LT	927.75	926.24
127+50.00	32.00' LT	928.72	926.28
127+52.32	32.00' LT	929.56	926.31
127+60.00	32.00' LT	932.34	926.94
127+75.00	32.00' LT	933.34	928.18
127+76.32	32.00' LT	933.43	928.29
128+00.00	32.00' LT	935.00	929.71
128+25.00	31.51' LT	936.55	931.01
128+40.00	30.86' LT	937.49	931.67
128+50.00	30.43' LT	937.90	932.07
128+59.89	30.00' LT	938.30	932.40
128+75.00	30.00' LT	938.91	932.87
128+82.69	30.00' LT	939.21	933.09

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	QUANTITY	UNIT
90022	STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-327	135	LF
90027	CONCRETE STAINING R-13-327	855	SF
20130	UNDERDRAIN	135	LF
90017	WALL MODULAR BLOCK GRAVITY R-13-327	922	SF

LIST OF DRAWINGS

DESIGN CONSULTANT CONTACT:
ELISA BECKER (608) 251-4843

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STRUCTURE R-13-327

RETAINING WALL ALONG CTH AB (BUCKEYE ROAD)

COUNTY	TOWN/CITY/VILLAGE
DANE	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
ECB	BMO	ECB	BMO

GENERAL PLAN

RTW-9

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PROJECT NUMBER
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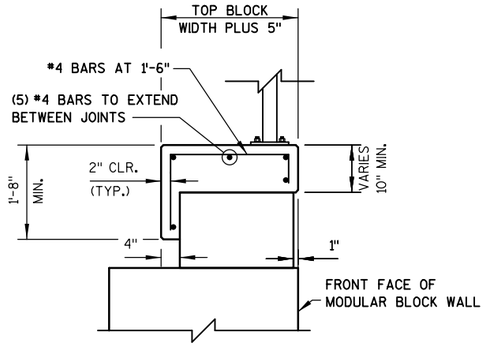


CAST IN PLACE CONCRETE COPING DETAIL

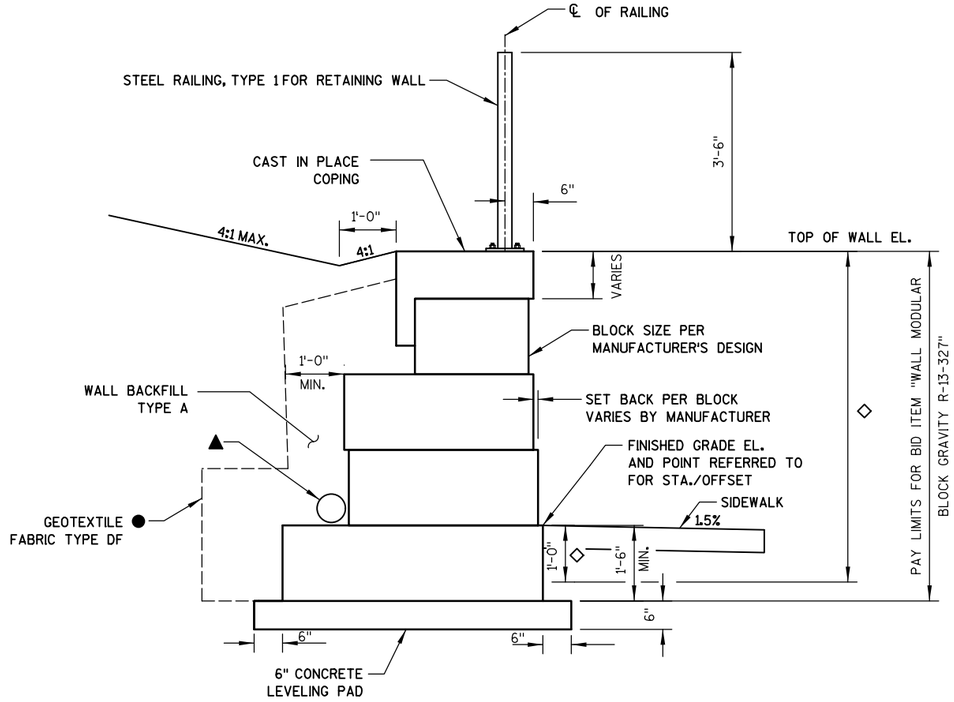
NOTE:
BAR STEEL REINFORCEMENT AND CAST IN PLACE CONCRETE TO BE INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-327"

DO NOT RUN BAR STEEL THRU EXPANSION OR CONTRACTION JOINT.

MATERIAL PROPERTIES:

CONCRETE MASONRY . . . . . fc'= 3,500 psi

HIGH STRENGTH BAR STEEL
REINFORCEMENT, GRADE 60 . . . . fy = 60,000 psi



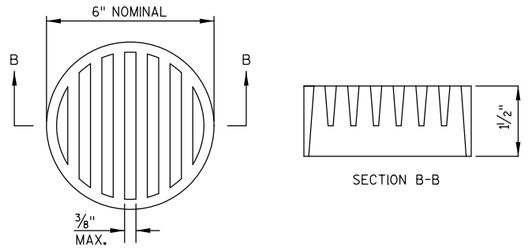
WALL MODULAR BLOCK GRAVITY TYPICAL SECTION

PRECAST MODULAR BLOCK TEXTURE SHALL BE SELECTED BY CITY FROM MANUFACTURER'S STANDARD OPTIONS.

▲ UNDERDRAIN. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE AT WEST END OF WALL. ATTACH END CAP AT EAST END OF UNDERDRAIN. ATTACH RODENT SHIELD AT WEST END OF UNDERDRAIN. SEE DETAIL THIS SHEET.

● GEOTEXTILE FABRIC SHALL COMPLETELY SEPARATE WALL BACKFILL TYPE A FROM BACKFILL ON ALL SIDES.

◇ APPLY CONCRETE STAINING FROM TOP OF CAST IN PLACE COPING TO 1'-0" BELOW FINISHED GRADE ELEVATION.



NOTES:
DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SHIELD SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "UNDERDRAIN."

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS
WALL HEIGHT (FEET)[1]	7.62
EXPOSED WALL HEIGHT (FEET)	6.12
WALL STATION	128+82.69
BORING USED	B-13
CAPACITY TO DEMAND RATIO (CDR)[2, 3]	
SLIDING (CDR>1.0)	1.61
ECCENTRICITY (CDR>1.0)	1.39
OVERALL STABILITY (CDR>1.0)	1.40
BEARING RESISTANCE (CDR>1.0)	1.26
FACTORED BEARING RESISTANCE (PSF)	1983

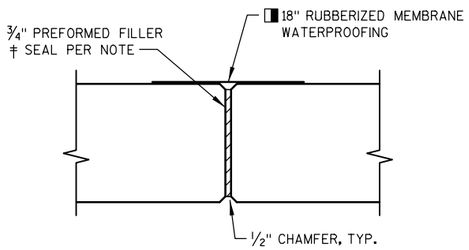
NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD OF 100 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.
* FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. THE PROJECT SOILS ENGINEER SHOULD REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALLS TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING STRENGTH SHOWN IN THE TABLE ABOVE.

2. FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PSF)
BORING B-13			
MEDIUM DENSE SAND, SOME SILT AND GRAVEL (EL. 918 TO EL. 929) (FOUNDATION SOIL)	120	33	0
VERY DENSE, APPARENT WEATHERED TO COMPETENT DOLOMITE LIMESTONE BEDROCK (BELOW EL. 918)	135	40	0

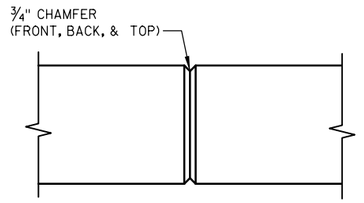


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO BOTTOM OF COPING. MEMBRANE WATERPROOFING INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-327".

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE.)



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 12'. SET JOINT LOCATION TO ALIGN WITH MODULAR BLOCK JOINT BELOW.

STRUCTURE R-13-327

DRAWN BY	ECB	PLANS CK'D.	BMO

WALL DETAILS

RTW-10

8

8

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PROJECT NUMBER
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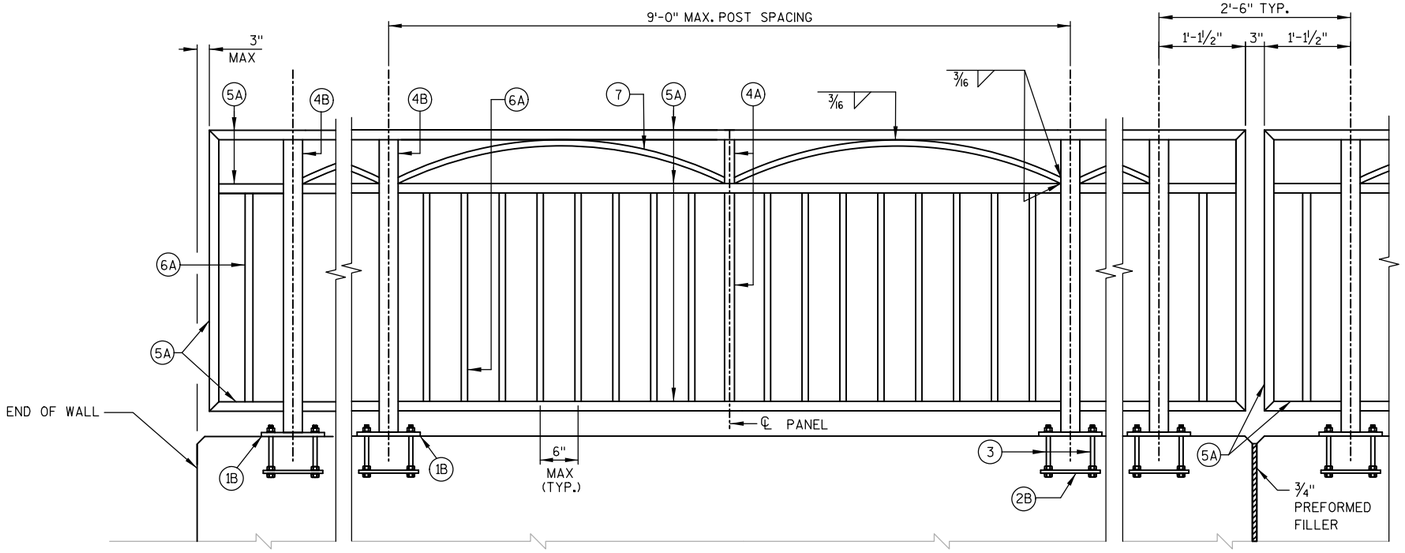
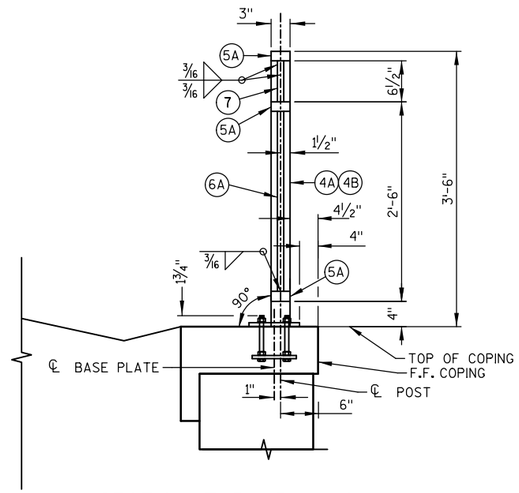


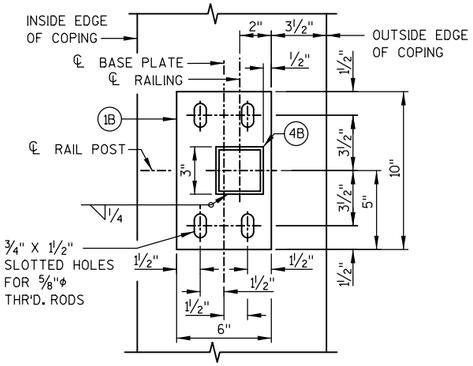
RAILING AT ENDS

ELEVATION
(WISDOT TYPE C3 MODIFIED)

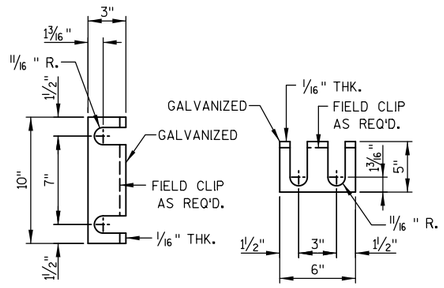
RAILING AT EXPANSION JOINT



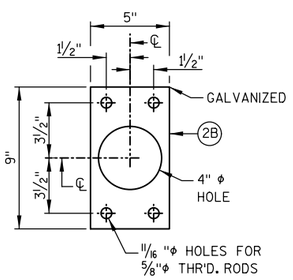
SECTION THRU RAILING



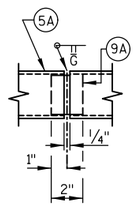
TYPICAL RAIL POST BASE PLATE



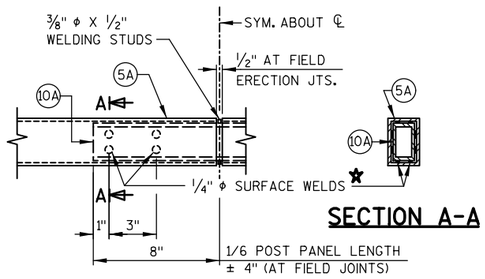
RAIL POST SHIM DETAIL
(2 SETS PER POST)



ANCHOR PLATE



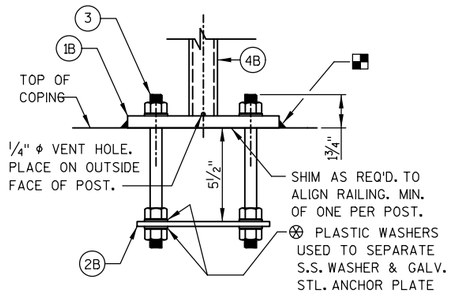
SHOP RAIL SPLICE DETAIL
(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



SECTION A-A

FIELD ERECTION JOINT DETAIL

★ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



ANCHORAGE FOR RAIL POSTS

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED. WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

- (1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES
- (2B) ¼" X 5" X 9" ANCHOR PLATE WITH 11/16 " φ HOLES FOR THR'D. RODS NO. 3.
- (3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.
- (4A) STRUCTURAL TUBING 3" X 1½" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.
- (4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.
- (5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION JOINTS.
- (6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX ℄ TO ℄ SPACING). PLACE VERTICAL.
- (7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.
- (9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".
- (10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-327", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6, BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE RAILING SHALL BE PAINTED FEDERAL COLOR NO. 17038, BLACK.

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

COORDINATE POST LAYOUT WITH MODULAR BLOCK COPING JOINT LAYOUT.

STRUCTURE R-13-327			
	DRAWN BY ECB	PLANS CK'D. BMO	
RAILING DETAILS			RTW-11

8

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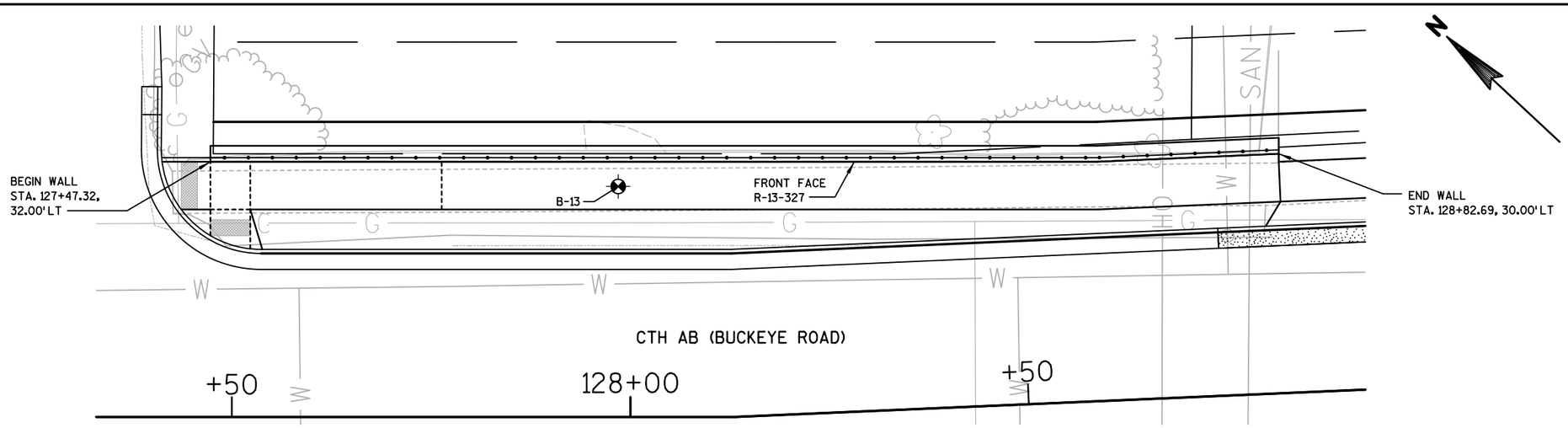

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
13	8/7/2017	482,772.43	839,186.78
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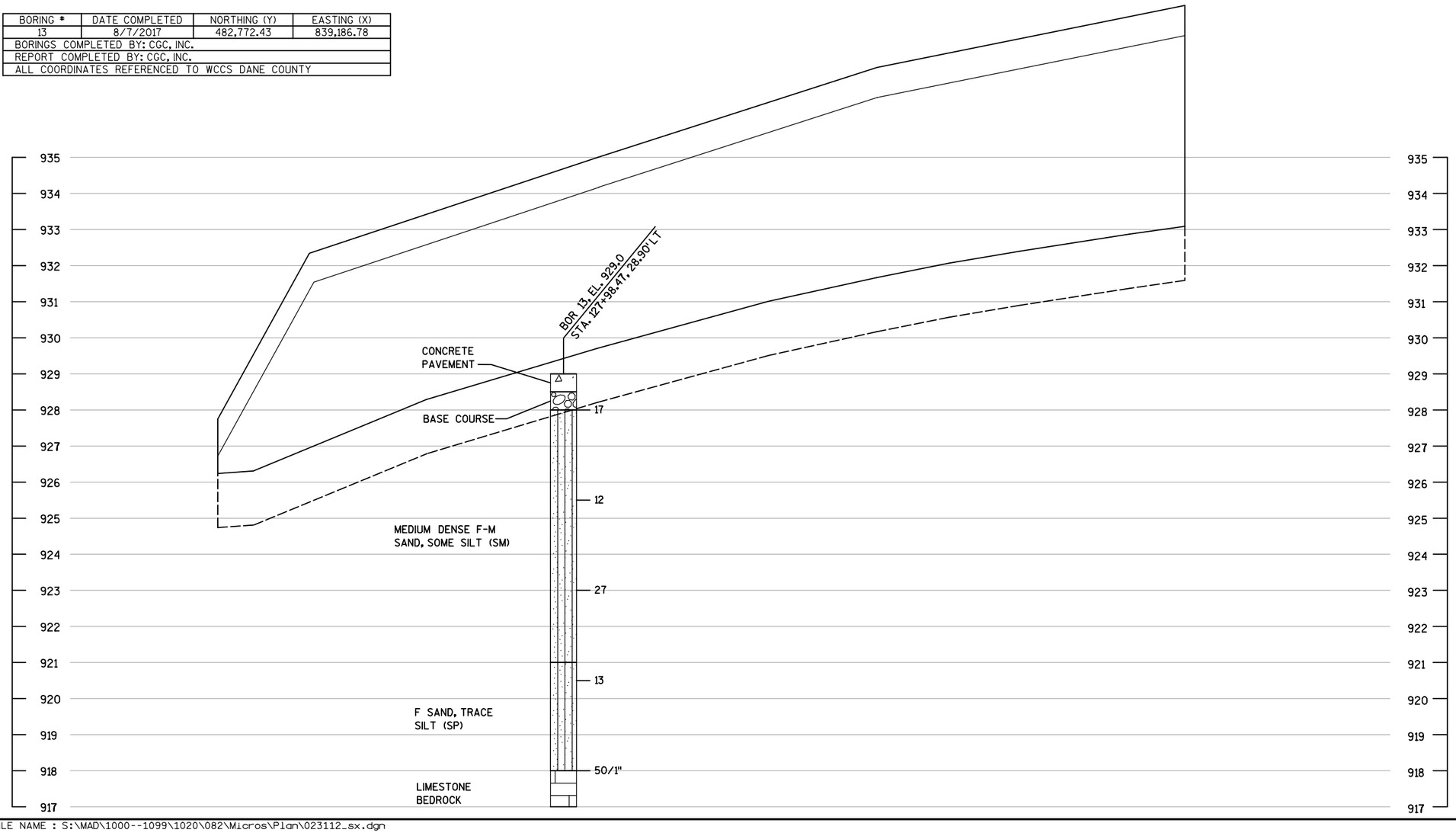
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS DANE COUNTY			



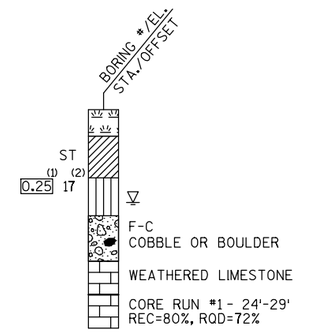
PROJECT NUMBER

10228

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE CITY DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

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STRUCTURE R-13-327

DRAWN BY	DTH	PLANS CK'D.	BMO

SUBSURFACE EXPLORATION

RTW-12

SCALE =

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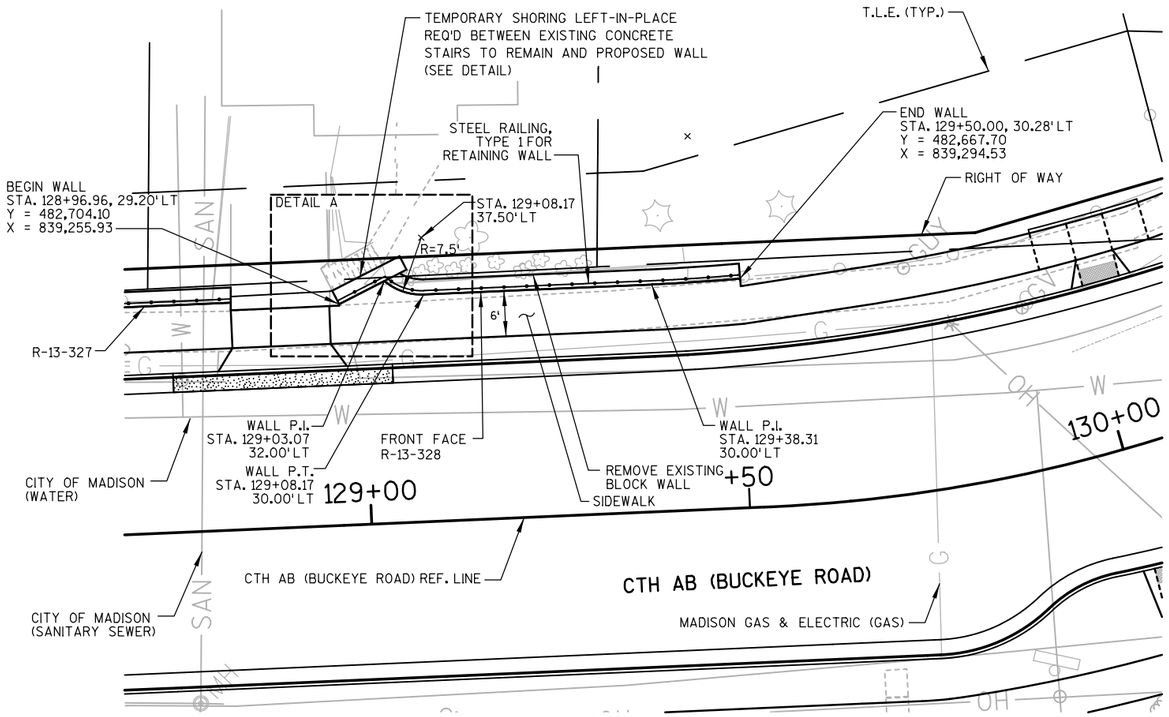
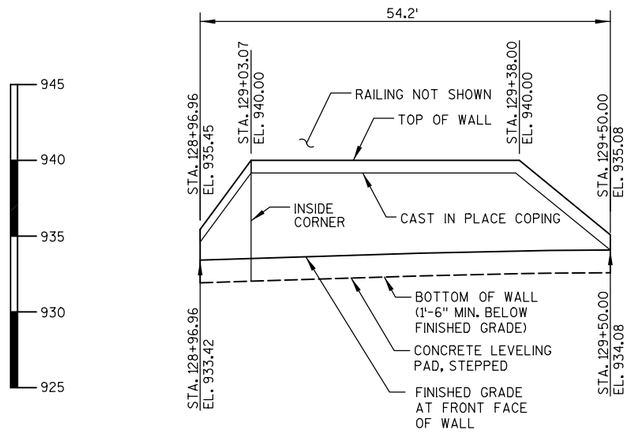
PROJECT NUMBER
10228

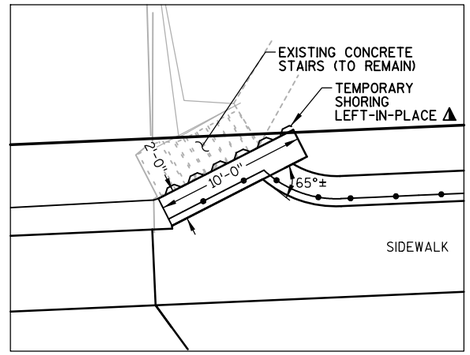


PLAN
(MODULAR BLOCK GRAVITY WALL)



ELEVATION
(LOOKING AT F.F. OF WALL)

DETAIL A



▲ CUT TEMPORARY SHORING LEFT-IN-PLACE TO 6" BELOW EXISTING STAIRS ELEVATION.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-328" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

ALL DIMENSIONS AND STATIONING ARE ALONG THE FRONT FACE OF WALL AT FINISHED GROUND, UNLESS OTHERWISE SHOWN.

BAR STEEL REINFORCEMENT FOR CAST IN PLACE CONCRETE SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL EXPOSED EDGES OF CONCRETE 3/4-INCH UNLESS NOTED OTHERWISE.

WET CAST BLOCKS ARE REQUIRED FOR THIS WALL.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-328."

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE TYPICAL WALL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

TOP OF WALL ELEVATIONS SHOWN ARE MINIMUM VALUES. MODULAR BLOCK WALL SHALL BE STEPPED AT THE LOCATIONS DETERMINED BY THE WALL MANUFACTURER.

GEOMETRY TABLE

	STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
*	128+96.96	29.20' LT	935.45	933.42
*	129+00.00	30.59' LT	937.70	933.48
*	129+03.07	32.00' LT	940.00	933.53
	129+25.00	30.00' LT	940.00	933.88
	129+38.00	30.00' LT	940.00	934.01
	129+50.00	30.28' LT	935.08	934.08

* CONTRACTOR TO ADJUST AS NECESSARY TO FIT GEOMETRY OF EXISTING CONCRETE STAIRS.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	QUANTITY	UNIT
90030	TEMPORARY SHORING LEFT-IN-PLACE R-13-328	65	SF
90023	STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-328	56	LF
90028	CONCRETE STAINING R-13-328	350	SF
20130	UNDERDRAIN	55	LF
90018	WALL MODULAR BLOCK GRAVITY R-13-328	370	SF

ALLOWABLE WALL SYSTEMS

1. WALL MODULAR BLOCK GRAVITY

LIST OF DRAWINGS

1. GENERAL PLAN
2. WALL DETAILS
3. RAILING DETAILS
4. SUBSURFACE EXPLORATION

DESIGN CONSULTANT CONTACT:
ELISA BECKER (608) 251-4843

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STRUCTURE R-13-328

RETAINING WALL ALONG CTH AB (BUCKEYE ROAD)

COUNTY	DANE	~~TOWN~~/CITY ~~/VILLAGE~~	MADISON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	ECB	DESIGN CK'D.	BMO	DRAWN BY	ECB	PLANS CK'D.	BMO

GENERAL PLAN

RTW-13

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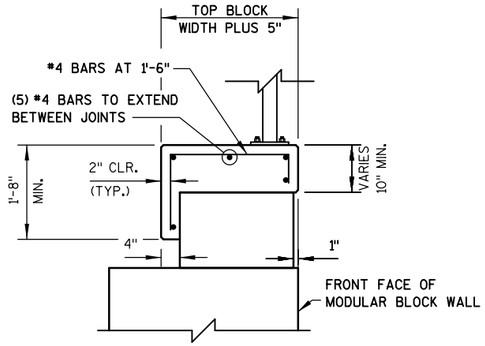


CAST IN PLACE CONCRETE COPING DETAIL

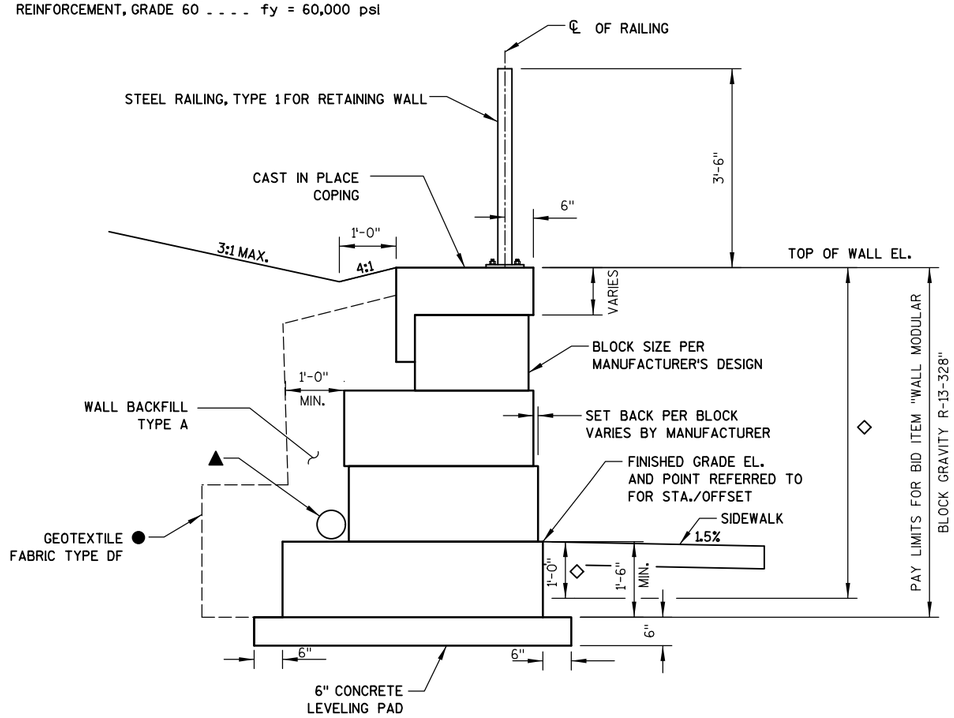
NOTE:
BAR STEEL REINFORCEMENT AND CAST IN PLACE CONCRETE TO BE INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-328"

DO NOT RUN BAR STEEL THRU EXPANSION OR CONTRACTION JOINT.

MATERIAL PROPERTIES:

CONCRETE MASONRY . . . . . fc'= 3,500 psi

HIGH STRENGTH BAR STEEL
REINFORCEMENT, GRADE 60 . . . . fy = 60,000 psi



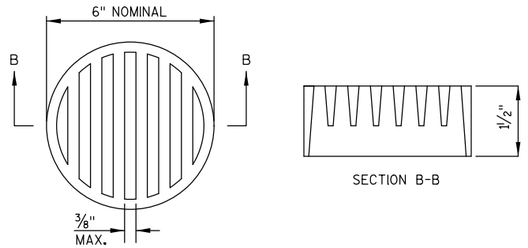
WALL MODULAR BLOCK GRAVITY TYPICAL SECTION

PRECAST MODULAR BLOCK TEXTURE SHALL BE SELECTED BY CITY FROM MANUFACTURER'S STANDARD OPTIONS.

▲ UNDERDRAIN. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE AT EAST END OF WALL. ATTACH END CAP AT WEST END OF UNDERDRAIN. ATTACH RODENT SHIELD AT EAST END OF UNDERDRAIN. SEE DETAIL THIS SHEET.

● GEOTEXTILE FABRIC SHALL COMPLETELY SEPARATE WALL BACKFILL TYPE A FROM BACKFILL ON ALL SIDES.

◇ APPLY CONCRETE STAINING FROM TOP OF CAST IN PLACE COPING TO 1'-0" BELOW FINISHED GRADE ELEVATION.

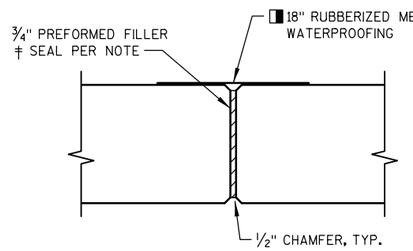


NOTES:
DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SHIELD SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "UNDERDRAIN."

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

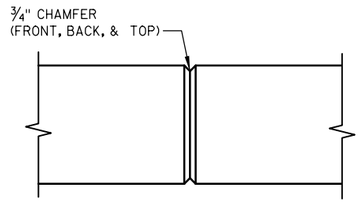


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO BOTTOM OF COPING. MEMBRANE WATERPROOFING INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-328".

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE.)



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 12'. SET JOINT LOCATION TO ALIGN WITH MODULAR BLOCK JOINT BELOW.

PROJECT NUMBER
10228

WALL EXTERNAL & OVERALL STABILITY EVALUATION ‡

DIMENSIONS	EVALUATED LOCATIONS
WALL HEIGHT (FEET)[1]	7.97
EXPOSED WALL HEIGHT (FEET)	6.47
WALL STATION	129+03
BORING USED	B-12
CAPACITY TO DEMAND RATIO (CDR)[2, 3]	
SLIDING (CDR>1.0)	1.52
ECCENTRICITY (CDR>1.0)	1.25
OVERALL STABILITY (CDR>1.0)	1.36
BEARING RESISTANCE (CDR>1.0)	1.17
FACTORED BEARING RESISTANCE (PSF)	2134

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD OF 100 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.
* FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. THE PROJECT SOILS ENGINEER SHOULD REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALLS TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING STRENGTH SHOWN IN THE TABLE ABOVE.

2. FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PSF)
BORING B-12			
MEDIUM DENSE SAND, SOME SILT AND GRAVEL (EL. 920 TO EL. 932) (FOUNDATION SOIL)	120	33	0
VERY DENSE, APPARENT WEATHERED TO COMPETENT DOLOMITE LIMESTONE BEDROCK (BELOW EL. 920)	135	40	0

STRUCTURE R-13-328			
	DRAWN BY ECB	PLANS CK'D. BMO	
WALL DETAILS			RTW-14

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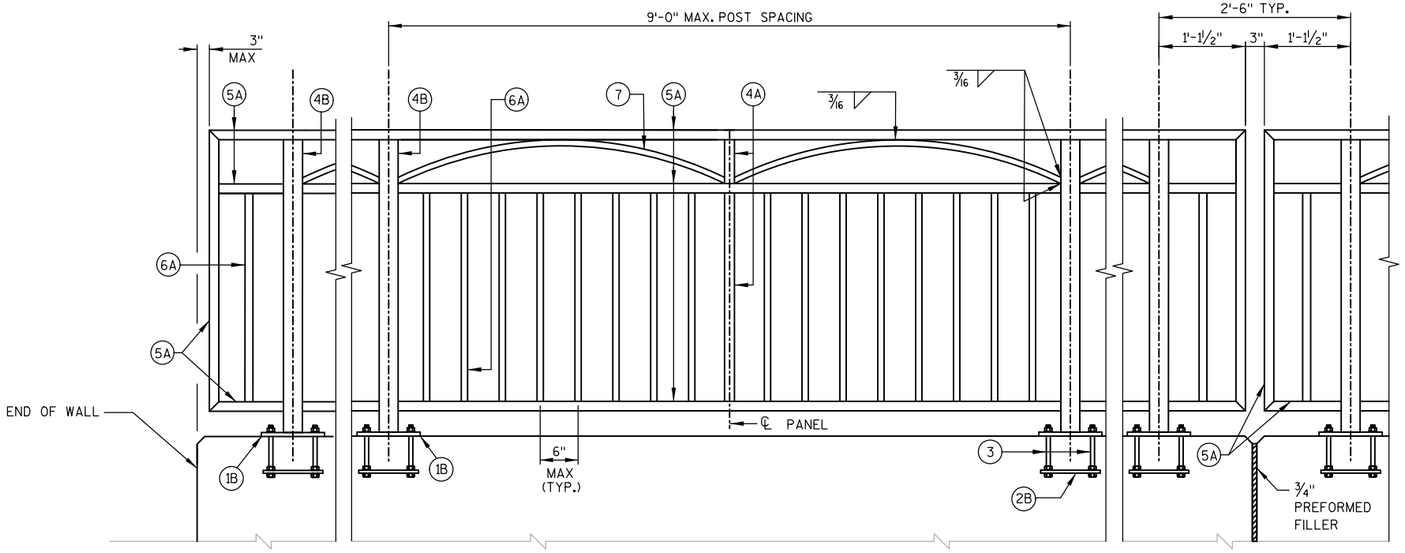
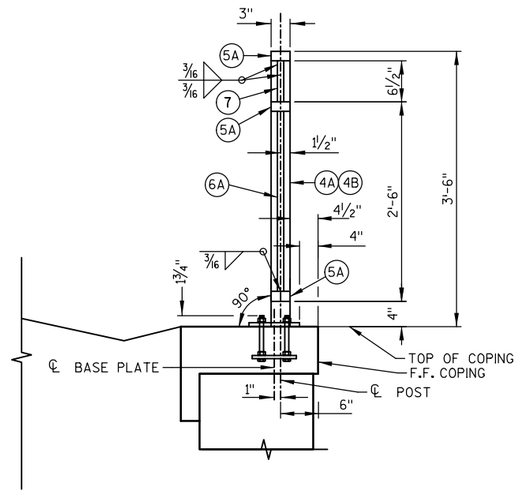
PROJECT NUMBER
10228



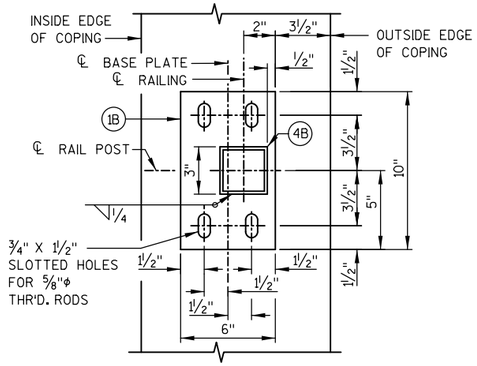
RAILING AT ENDS

ELEVATION
(WISDOT TYPE C3 MODIFIED)

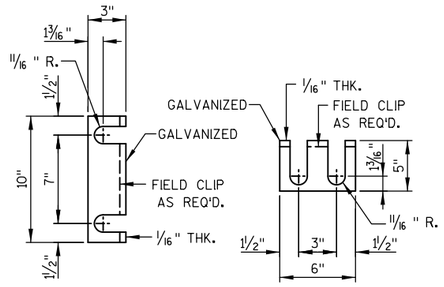
RAILING AT EXPANSION JOINT



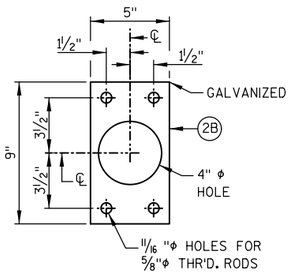
SECTION THRU RAILING



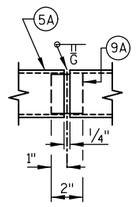
TYPICAL RAIL POST BASE PLATE



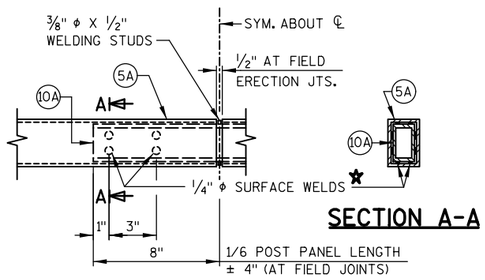
RAIL POST SHIM DETAIL
(2 SETS PER POST)



ANCHOR PLATE

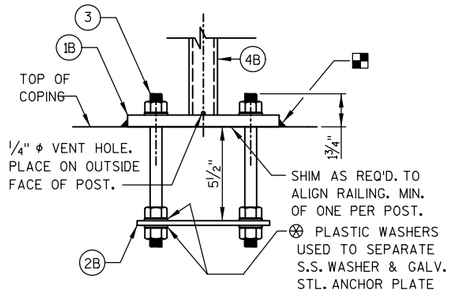


SHOP RAIL SPLICE DETAIL
(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



SECTION A-A

FIELD ERECTION JOINT DETAIL
★ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



ANCHORAGE FOR RAIL POSTS

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED. WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

(1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES

(2B) ¼" X 5" X 9" ANCHOR PLATE WITH 11/16 " φ HOLES FOR THR'D. RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4A) STRUCTURAL TUBING 3" X 1½" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX ℄ TO ℄ SPACING). PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

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COORDINATE POST LAYOUT WITH MODULAR BLOCK COPING JOINT LAYOUT.

STRUCTURE R-13-328			
	DRAWN BY ECB	PLANS CK'D. BMO	
RAILING DETAILS			RTW-15

8

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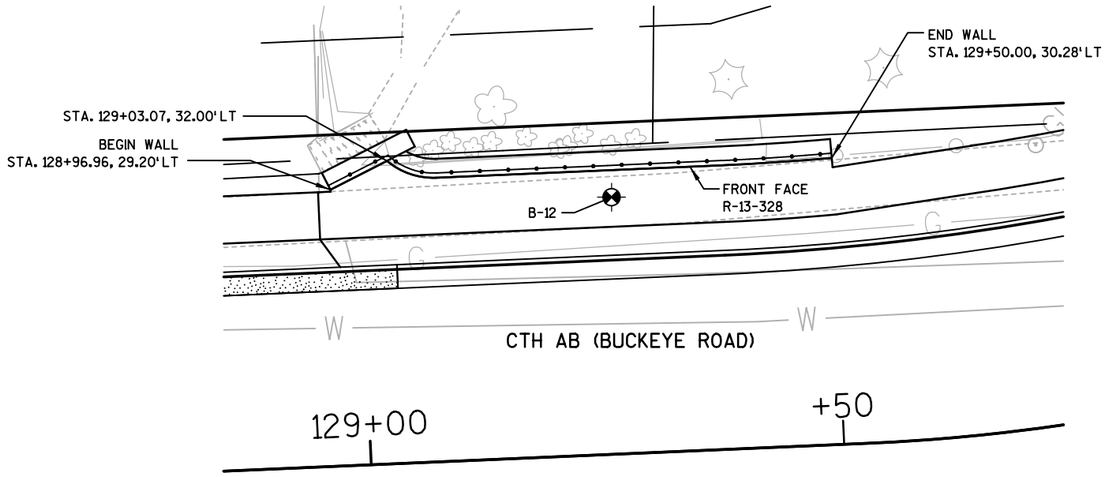
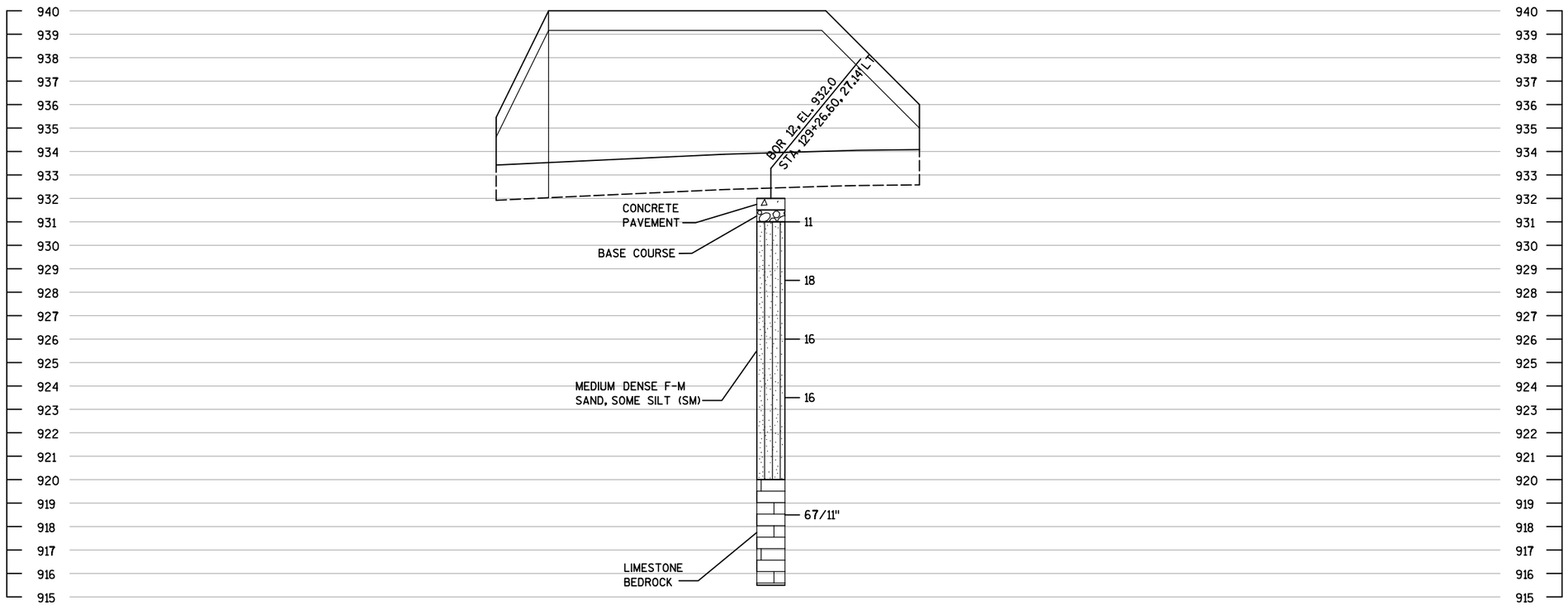
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
12	8/7/2017	482,681.86	839,275.63
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS DANE COUNTY			





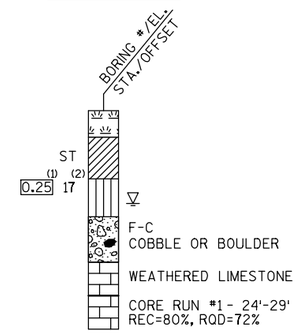
PROJECT NUMBER

10228

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE CITY DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

8

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STRUCTURE R-13-328

DRAWN BY	DTH	PLANS CK'D.	BMO

SUBSURFACE EXPLORATION

RTW-16

SCALE =

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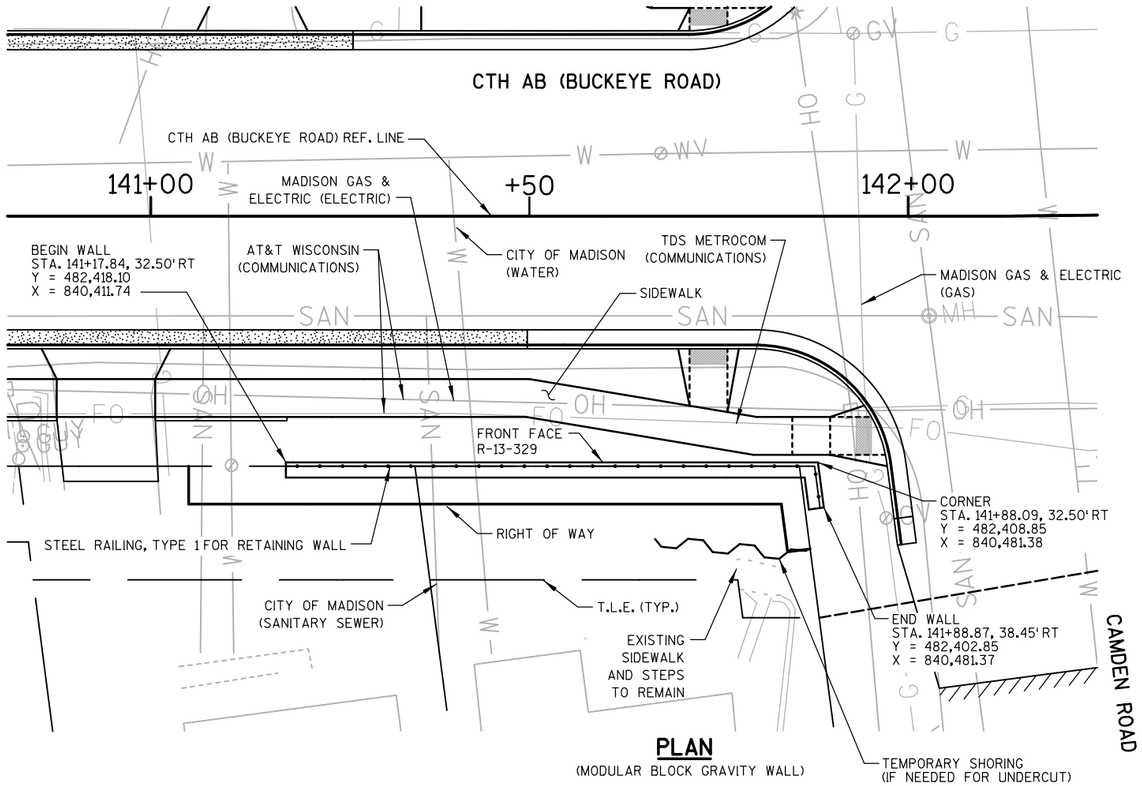
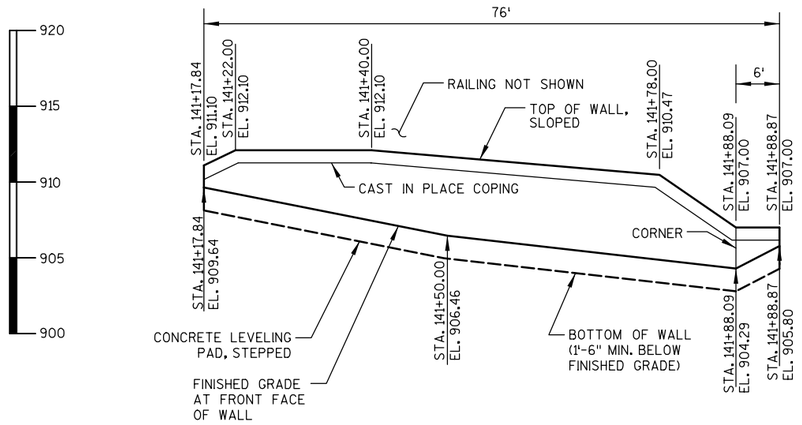


PLAN
(MODULAR BLOCK GRAVITY WALL)



ELEVATION
(LOOKING AT B.F. OF WALL)

GEOMETRY TABLE

STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
141+17.84	32.5' RT	911.10	909.64
141+22.00	32.5' RT	912.10	909.24
141+40.00	32.5' RT	912.10	907.45
141+50.00	32.5' RT	911.67	906.46
141+75.00	32.5' RT	910.59	905.08
141+78.00	32.5' RT	910.47	904.90
141+88.09	32.5' RT	907.00	904.29
141+88.87	38.45' RT	907.00	905.80

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	QUANTITY	UNIT
20208	SELECT FILL SAND	20	CY
90031	TEMPORARY SHORING R-13-329	115	SF
90024	STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-329	77	LF
90029	CONCRETE STAINING R-13-329	410	SF
20130	UNDERDRAIN	76	LF
90019	WALL MODULAR BLOCK GRAVITY R-13-329	450	SF

PROJECT NUMBER
10228

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-329" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

ALL DIMENSIONS AND STATIONING ARE ALONG THE FRONT FACE OF WALL AT FINISHED GROUND, UNLESS OTHERWISE SHOWN.

BAR STEEL REINFORCEMENT FOR CAST IN PLACE CONCRETE SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL EXPOSED EDGES OF CONCRETE 3/4-INCH UNLESS NOTED OTHERWISE.

WET CAST BLOCKS ARE REQUIRED FOR THIS WALL.

LOCATE AND SUPPORT EXISTING UTILITIES DURING CONSTRUCTION. COST FOR TEMPORARY SUPPORT SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-329."

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-329."

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE TYPICAL WALL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

TOP OF WALL ELEVATIONS SHOWN ARE MINIMUM VALUES. MODULAR BLOCK WALL SHALL BE STEPPED AT THE LOCATIONS DETERMINED BY THE WALL MANUFACTURER.

ALLOWABLE WALL SYSTEMS

1. WALL MODULAR BLOCK GRAVITY

LIST OF DRAWINGS

1. GENERAL PLAN
2. WALL DETAILS
3. RAILING DETAILS
4. SUBSURFACE EXPLORATION

DESIGN CONSULTANT CONTACT:
ELISA BECKER (608) 251-4843

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STRUCTURE R-13-329

RETAINING WALL ALONG CTH AB (BUCKEYE ROAD)

COUNTY: DANE | ~~TOWN~~/CITY/~~VILLAGE~~: MADISON

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
ECB	BMO	ECB	BMO

GENERAL PLAN

RTW-17

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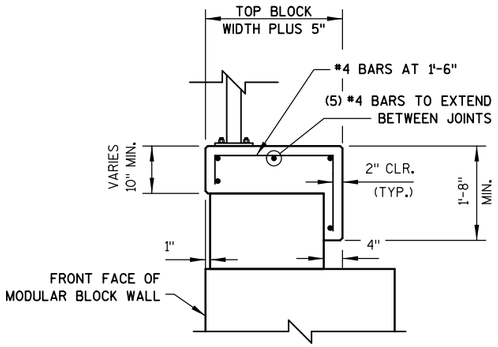
PROJECT NUMBER
10228



CAST IN PLACE CONCRETE COPING DETAIL

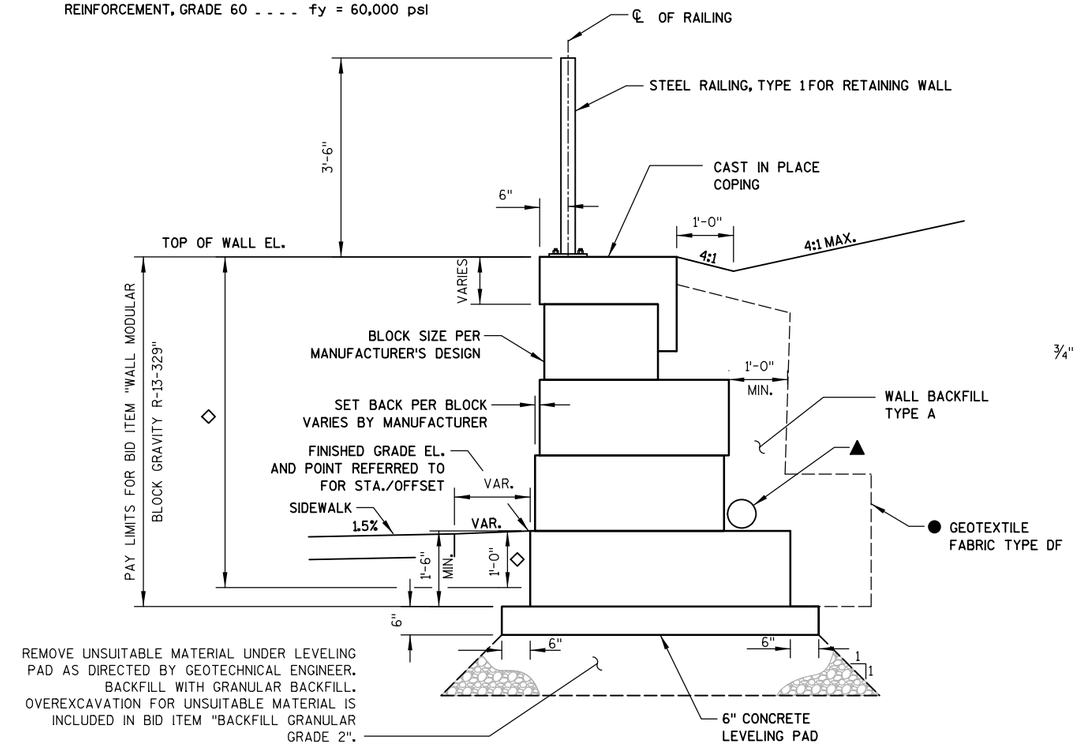
NOTE:
BAR STEEL REINFORCEMENT AND CAST IN PLACE CONCRETE TO BE INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-329"

DO NOT RUN BAR STEEL THRU EXPANSION OR CONTRACTION JOINT.

MATERIAL PROPERTIES:

CONCRETE MASONRY . . . . . fc'= 3,500 psi

HIGH STRENGTH BAR STEEL
REINFORCEMENT, GRADE 60 . . . . fy = 60,000 psi



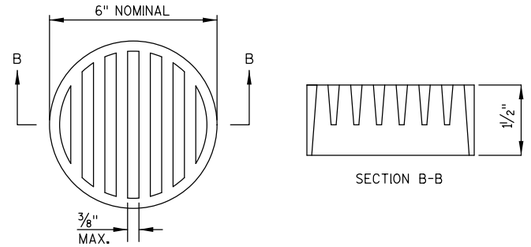
WALL MODULAR BLOCK GRAVITY TYPICAL SECTION

PRECAST MODULAR BLOCK TEXTURE SHALL BE SELECTED BY CITY FROM MANUFACTURER'S STANDARD OPTIONS.

▲ UNDERDRAIN. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE AT EAST END OF WALL. ATTACH END CAP AT WEST END OF UNDERDRAIN. ATTACH RODENT SHIELD AT EAST END OF UNDERDRAIN. SEE DETAIL THIS SHEET.

● GEOTEXTILE FABRIC SHALL COMPLETELY SEPARATE WALL BACKFILL TYPE A FROM BACKFILL ON ALL SIDES.

◇ APPLY CONCRETE STAINING FROM TOP OF CAST IN PLACE COPING TO 1'-0" BELOW FINISHED GRADE ELEVATION.

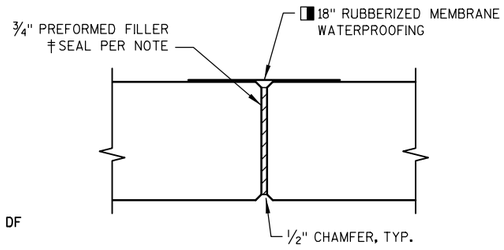


NOTES:
DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SHIELD SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "UNDERDRAIN."

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL



COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO BOTTOM OF COPING. MEMBRANE WATERPROOFING INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-329".

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE.)

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS
WALL HEIGHT (FEET)[1]	7.06
EXPOSED WALL HEIGHT (FEET)	5.56
WALL STATION	141+75
BORING USED	B-17
CAPACITY TO DEMAND RATIO (CDR)[2, 3]	
SLIDING (CDR>1.0)	1.76
ECCENTRICITY (CDR>1.0)	1.56
OVERALL STABILITY (CDR>1.0)	1.25
BEARING RESISTANCE (CDR>1.0)	1.38
FACTORED BEARING RESISTANCE (PSF)	1815

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD OF 100 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.
* FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

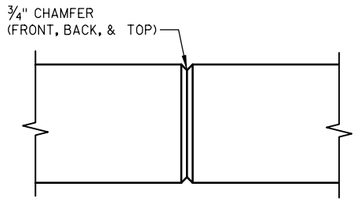
NOTES:
1. THE PROJECT SOILS ENGINEER SHOULD REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALLS TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING STRENGTH SHOWN IN THE TABLE ABOVE.

2. FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PSF)
BORING B-17			
STIFF LEAN CLAY (EL. 899 TO EL. 906) (FOUNDATION SOIL) (3)	120	0 (1) 25 (2)	1,250 (1) 25 (2)
MEDIUM DENSE TO DENSE SAND, AND GRAVEL (BELOW EL. 899)	125	36	0

NOTES:
1. SHORT-TERM LOADING
2. LONG-TERM LOADING
3. SOIL CONDITIONS IN BORING 17 EXPECTED TO CONTROL WALL DESIGN OF R-13-329; FOR CONDITIONS IN BORING 16 (AND BORING 1), REFER TO BORING LOGS.



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 12'. SET JOINT LOCATION TO ALIGN WITH MODULAR BLOCK JOINT BELOW.

STRUCTURE R-13-329

DRAWN BY ECB | PLANS CK'D. BMO

WALL DETAILS

RTW-18

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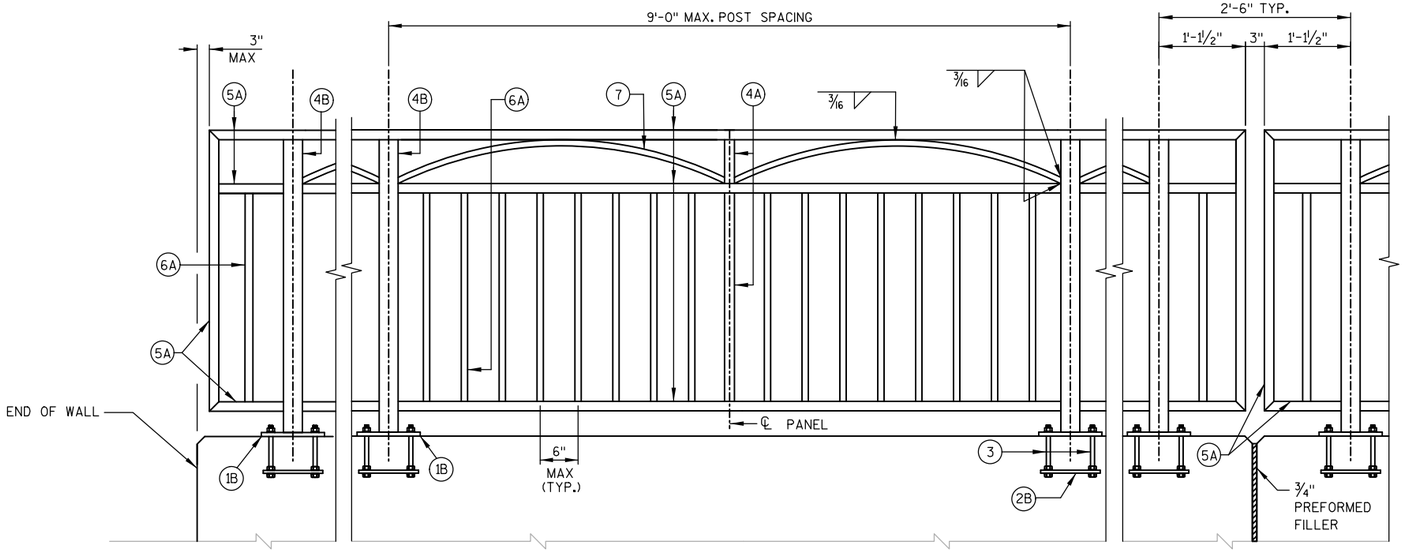
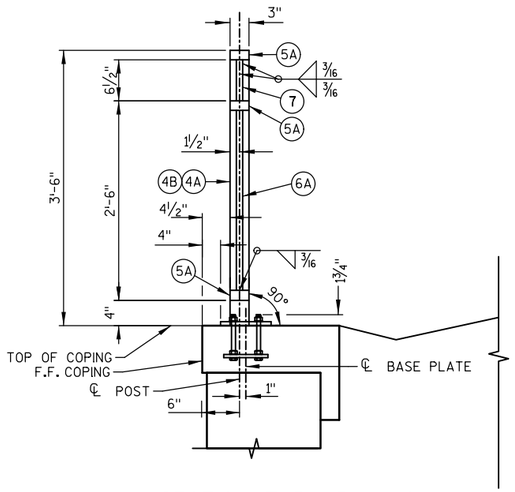
PROJECT NUMBER
10228



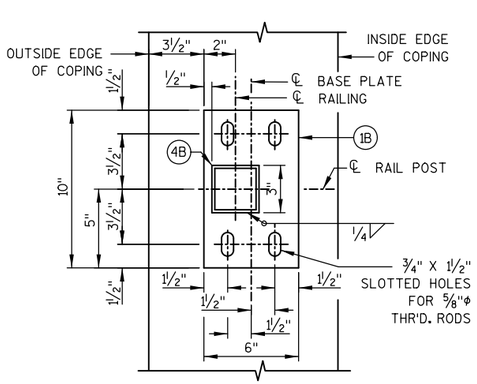
RAILING AT ENDS

ELEVATION
(WISDOT TYPE C3 MODIFIED)

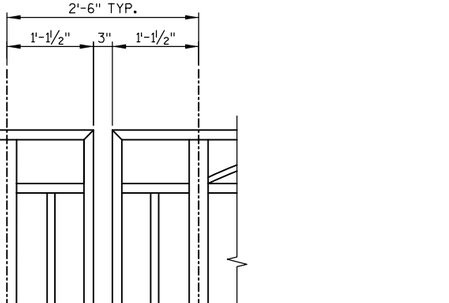
RAILING AT EXPANSION JOINT



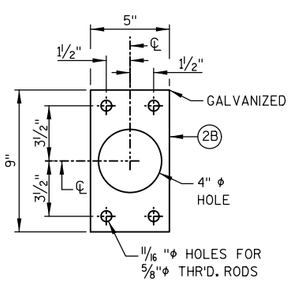
SECTION THRU RAILING



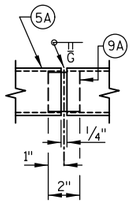
TYPICAL RAIL POST BASE PLATE



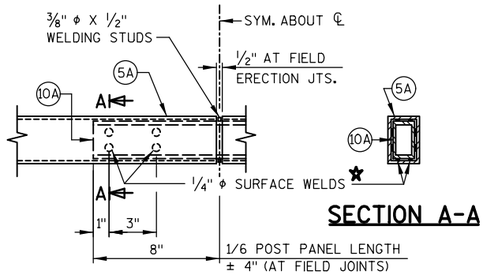
RAIL POST SHIM DETAIL
(2 SETS PER POST)



ANCHOR PLATE



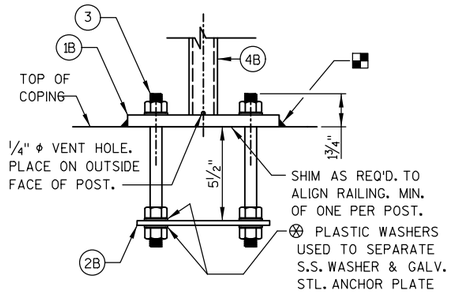
SHOP RAIL SPLICE DETAIL
(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



SECTION A-A

FIELD ERECTION JOINT DETAIL

★ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



ANCHORAGE FOR RAIL POSTS

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED. WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

(1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES

(2B) ¼" X 5" X 9" ANCHOR PLATE WITH 11/16 " φ HOLES FOR THR'D. RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4A) STRUCTURAL TUBING 3" X 1½" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX ℄ TO ℄ SPACING). PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-329", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6, BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE RAILING SHALL BE PAINTED FEDERAL COLOR NO. 17038, BLACK.

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

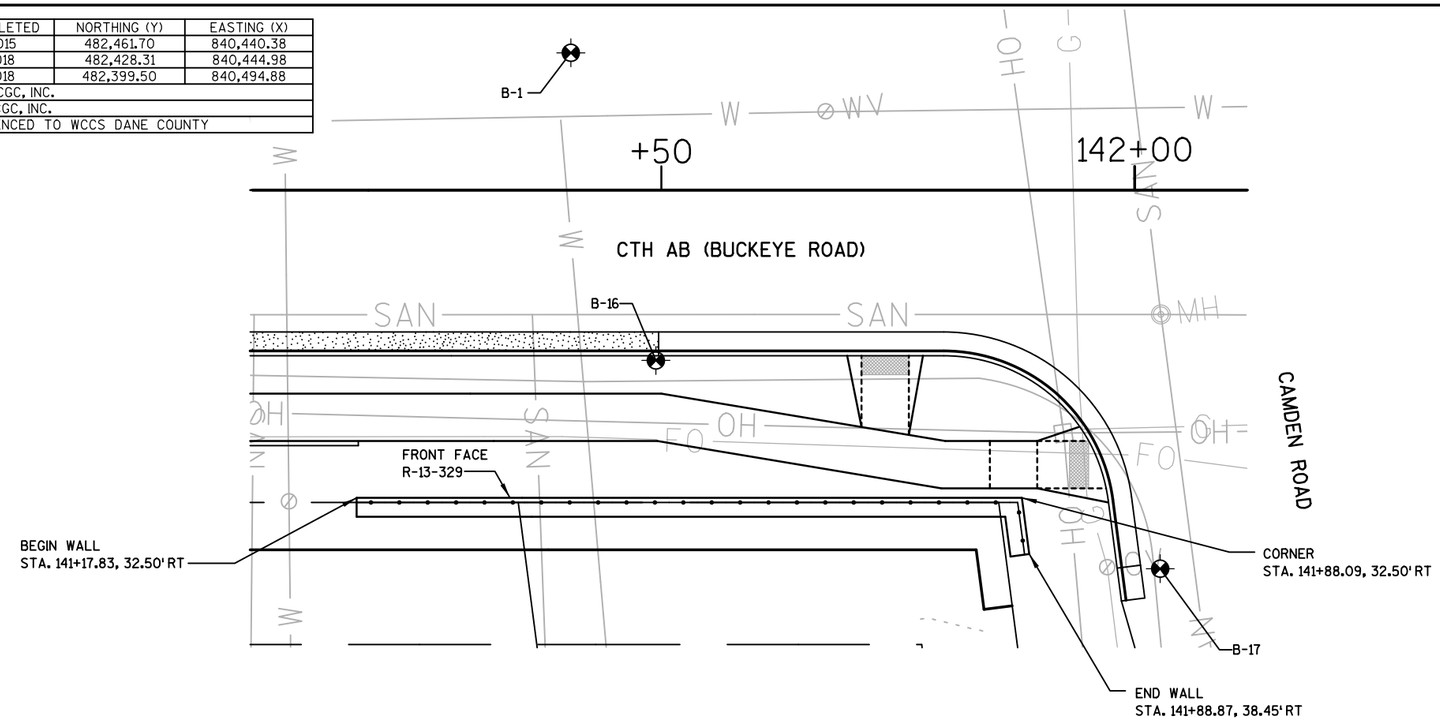
COORDINATE POST LAYOUT WITH MODULAR BLOCK COPING JOINT LAYOUT.

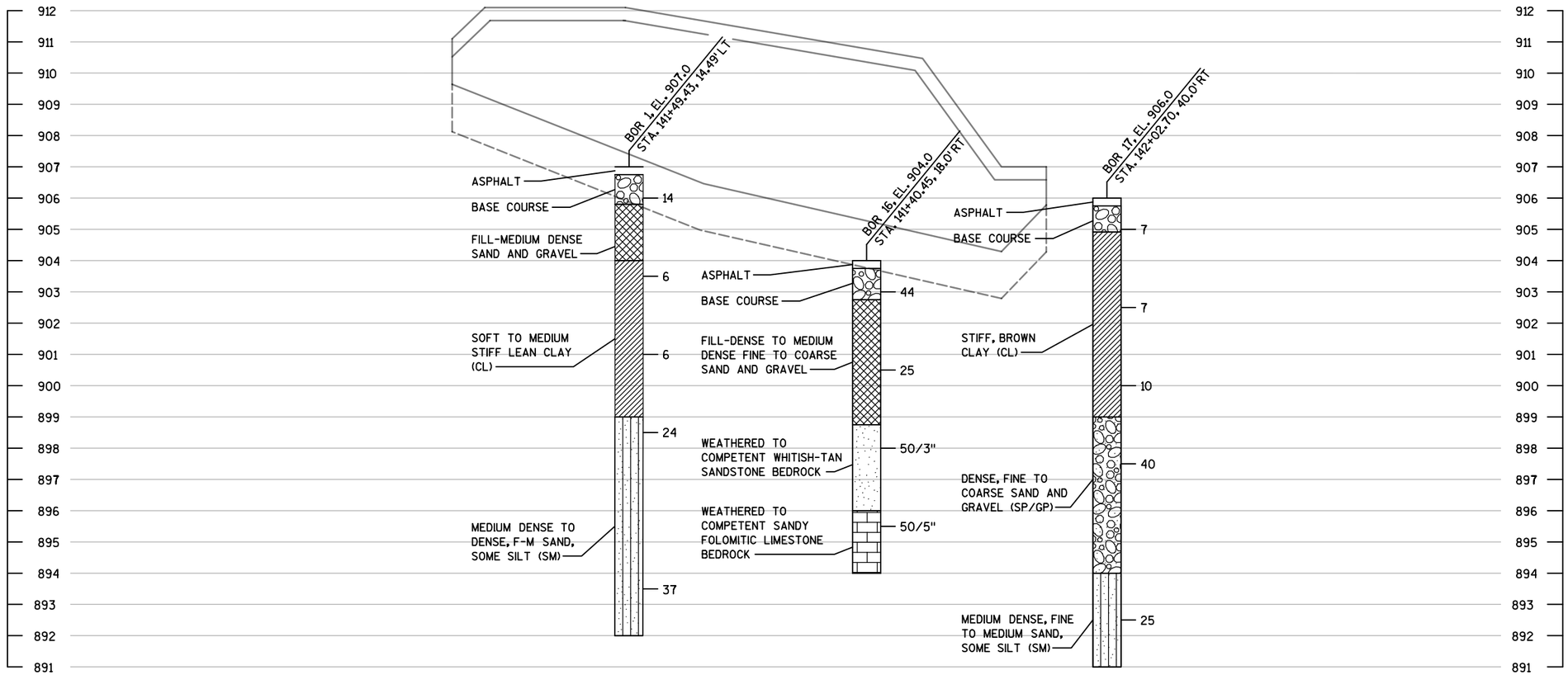
STRUCTURE R-13-329			
	DRAWN BY ECB	PLANS CK'D. BMO	
RAILING DETAILS			RTW-19

8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	7/29/2015	482,461.70	840,440.38
16	5/10/2018	482,428.31	840,444.98
17	5/10/2018	482,399.50	840,494.88
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS DANE COUNTY			





PROJECT NUMBER

10228

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ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
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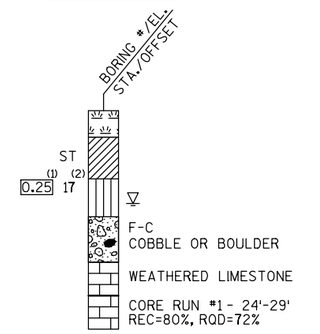
LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

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ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE CITY DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

8

STRUCTURE R-13-329

DRAWN BY	DTH	PLANS CK'D.	BMO

SUBSURFACE EXPLORATION

RTW-20

SCALE =

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023120_sx.dgn

2

LAKE EDGE BLVD.

BUCKEYE RD.

MONONA DR.

9646-SLC1-1A-T1
(1) - 2"
HH2
9647-SLC1-3M-T1
9648-SLC1-1A-T
(2) - 3"
HH1

+00 +50 101+00 +50 102+00 +50 103+00 +50 104+00 +50 105+00 +50 106

MATCHLINE STA. 106+00

CITY OF MADISON WILL AUGER EXISTING STREET LIGHT CABINET

EXISTING TRAFFIC SIGNAL CABINET

(2) - 3"

GOPHER UNDER EXISTING DRIVEWAY

EXISTING ELECTRICAL UTILITY ACCESS STRUCTURE

LEGEND

- CONDUIT FOR SL (1) - 2" UNLESS NOTED AS OTHER
- CONDUITS FOR COMM. (2) - 3" UNLESS NOTED AS OTHER
- STREET LIGHT: LB-3 BASE, 30' POLE POLE#-SLC#-CIRCUIT-FIXTURE TYPE
- G BASE
- LB-8 BASE
- TYPE M CONTROL CABINET BASE
- HANDHOLE TYPE 1
- HANDHOLE TYPE 5

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET LIGHTING AND ELECTRICAL	SHEET E-1	E

2

MONONA CT

SLC1

9650-SLC1-1A-T2

HH4

9649-SLC1-3M-T1

HH3

9651-SLC1-4M-T1

(1) - 2"
TS1

(1) - 2"

(2) - 3"

MATCHLINE STA. 106+00

MATCHLINE STA. 112+00

106+00 +50 107+00 +50 108+00 +50 109+00 +50 110+00 +50 111+00 +50 112+00

BUCKEYE RD.

HH28

DFB1

HH5

TS2

JEROME ST

LEGEND

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- G BASE
- LB-8 BASE
- TYPE M CONTROL CABINET BASE
- HANDHOLE TYPE 1
- HANDHOLE TYPE 5

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET LIGHTING AND ELECTRICAL	SHEET E-2	E

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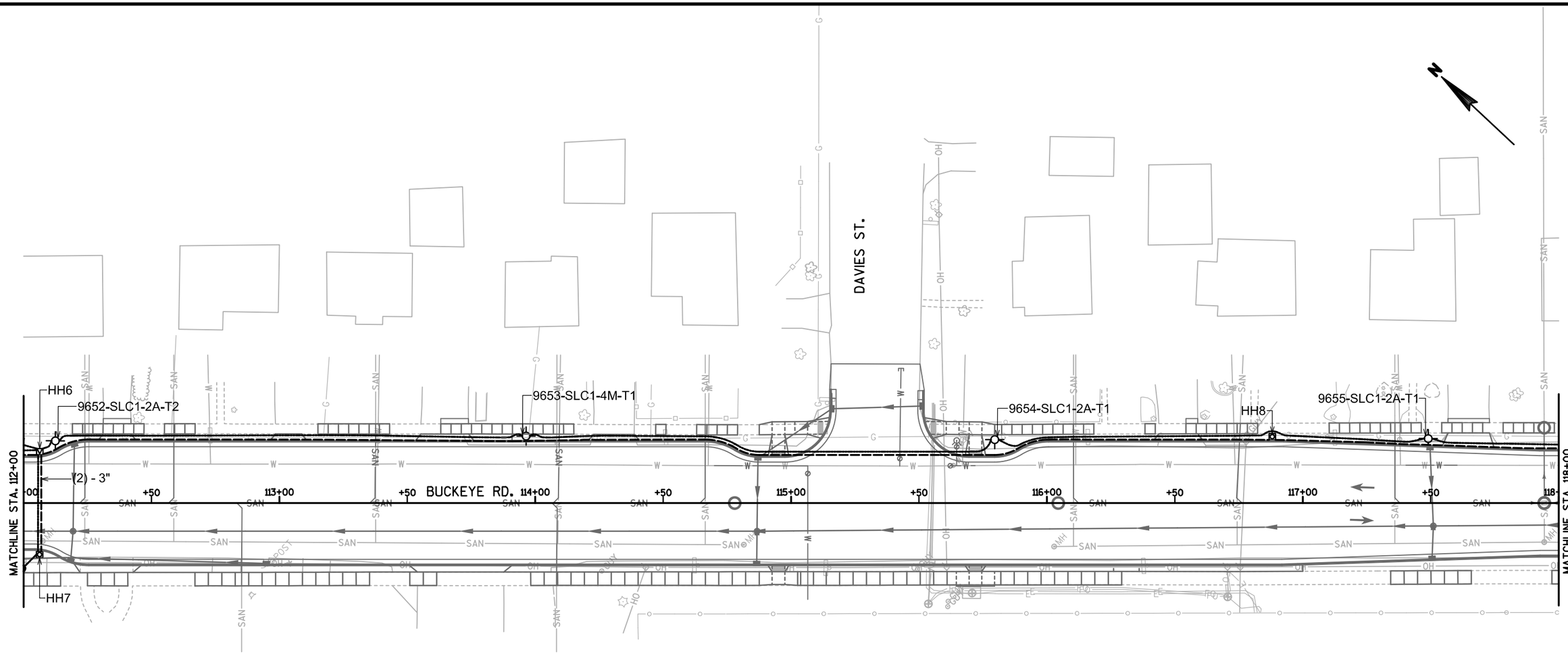

LEGEND

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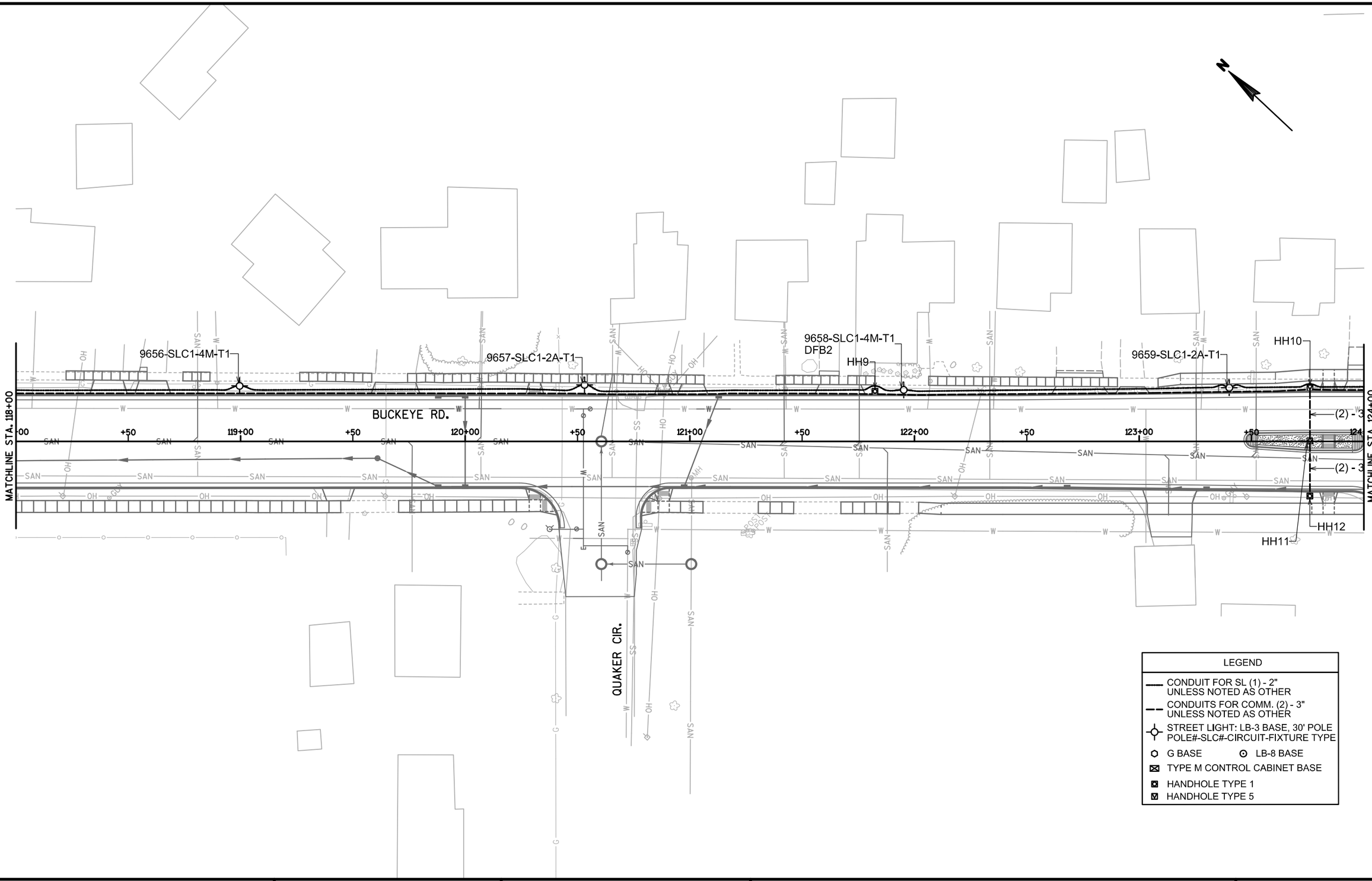
- G BASE
- LB-8 BASE
- TYPE M CONTROL CABINET BASE
- HANDHOLE TYPE 1
- HANDHOLE TYPE 5

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET LIGHTING AND ELECTRICAL	SHEET E-3	E

2



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET LIGHTING AND ELECTRICAL	SHEET E-4	E

Revised 4/26/19 EDH
-Storm Sewer revised

E. LAKEVIEW AVE.

MORNINGSIDE AVE.

W. LAKEVIEW AVE.

BUCKEYE RD.

MATCHLINE STA. 124+00

MATCHLINE STA. 130+00

HH13
9660-SLC2-1A-T1
(2) - 3"

9661-SLC2-1A-T1
HH16

9662-SLC2-3M-T1

HH17

HH14

HH15

HH18
(1) - 2"

125+00
126+00
127+00
128+00
129+00
130+00

LEGEND

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- CONDUITS FOR COMM. (2) - 3" UNLESS NOTED AS OTHER
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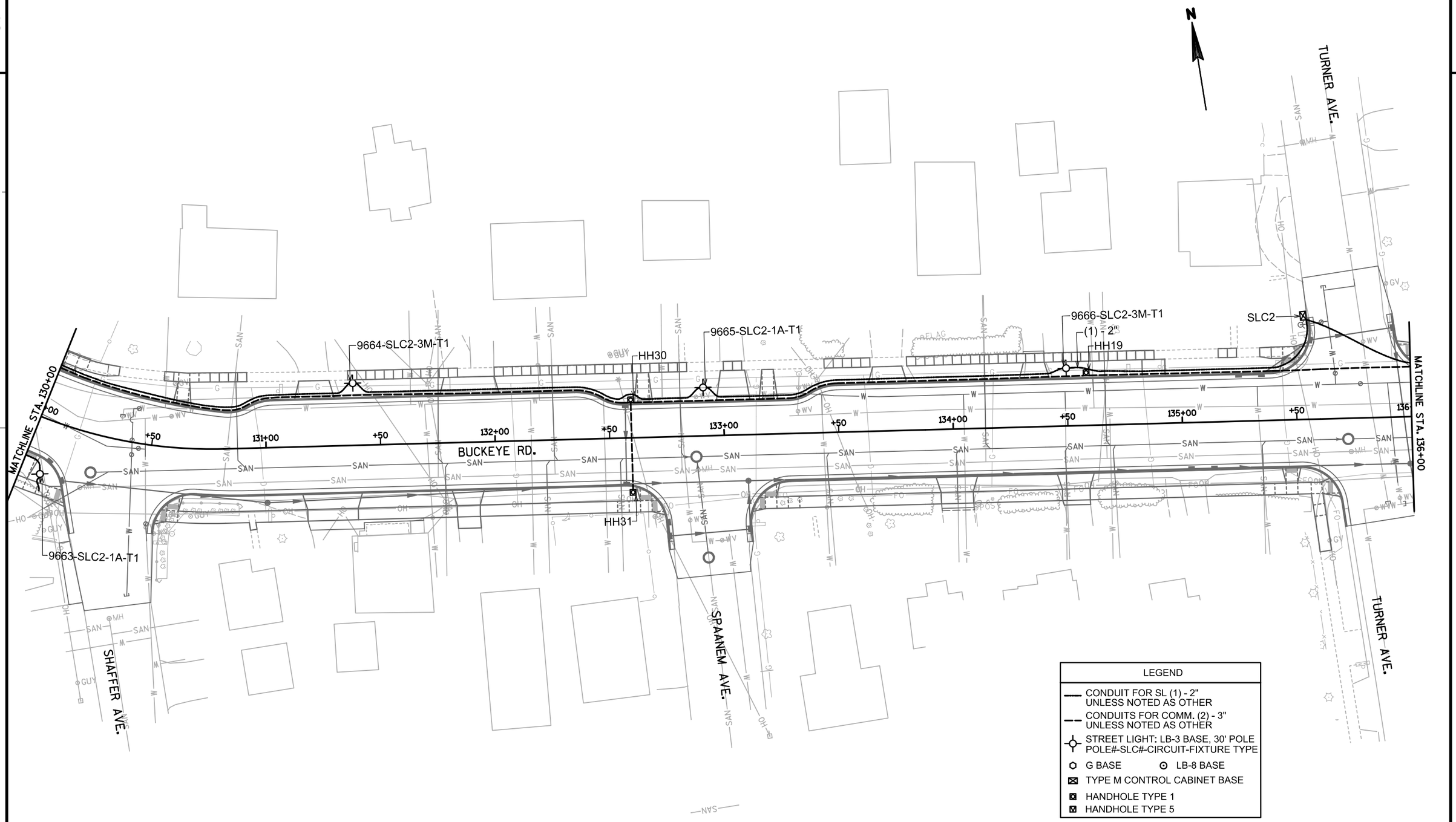
- G BASE
- LB-8 BASE
- TYPE M CONTROL CABINET BASE
- HANDHOLE TYPE 1
- HANDHOLE TYPE 5

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET LIGHTING AND ELECTRICAL	SHEET E-5	E

2



LEGEND

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- STREET LIGHT: LB-3 BASE, 30' POLE POLE#-SLC#-CIRCUIT-FIXTURE TYPE
- G BASE
- LB-8 BASE
- TYPE M CONTROL CABINET BASE
- HANDHOLE TYPE 1
- HANDHOLE TYPE 5

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET LIGHTING AND ELECTRICAL	SHEET E-6	E

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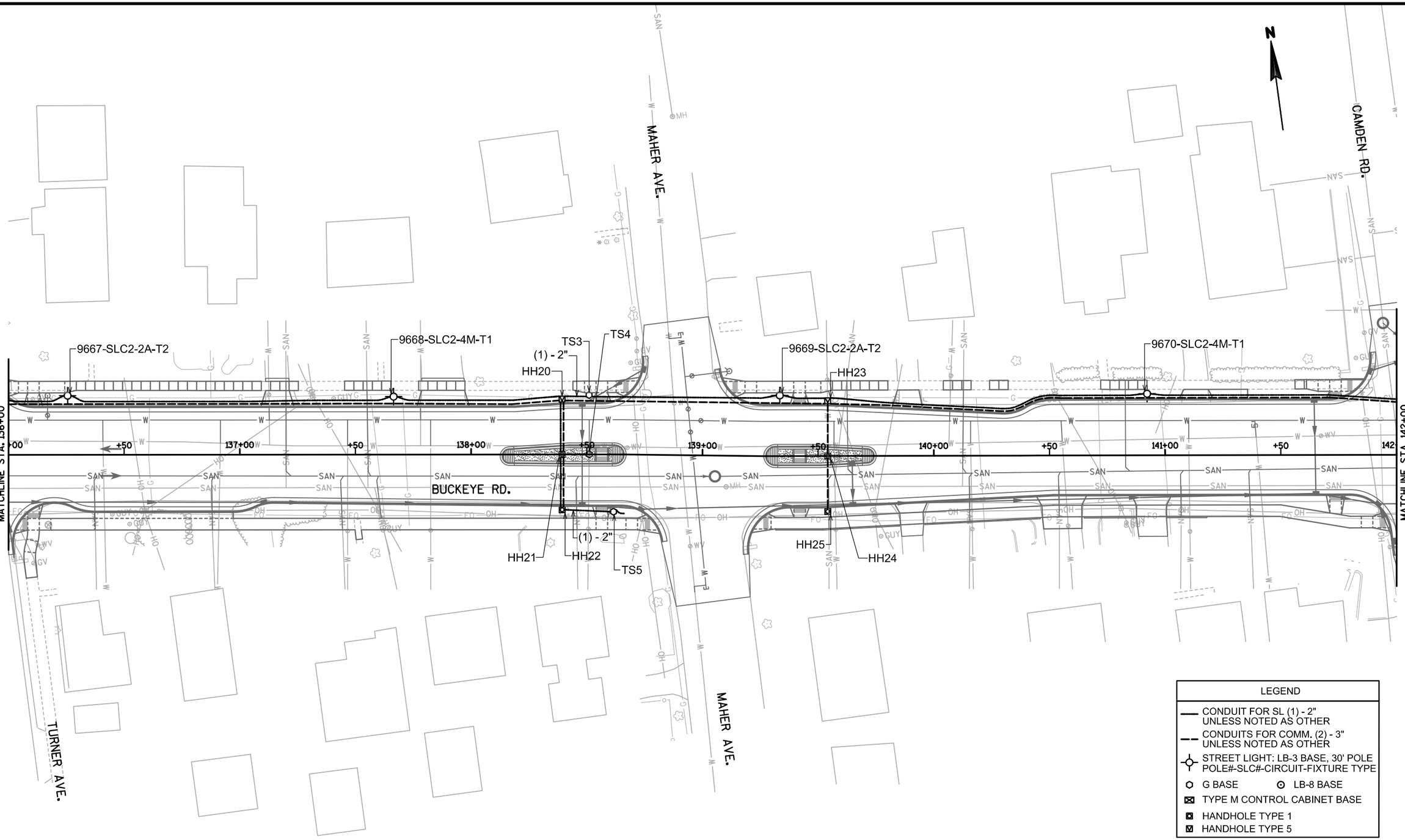
2



LEGEND

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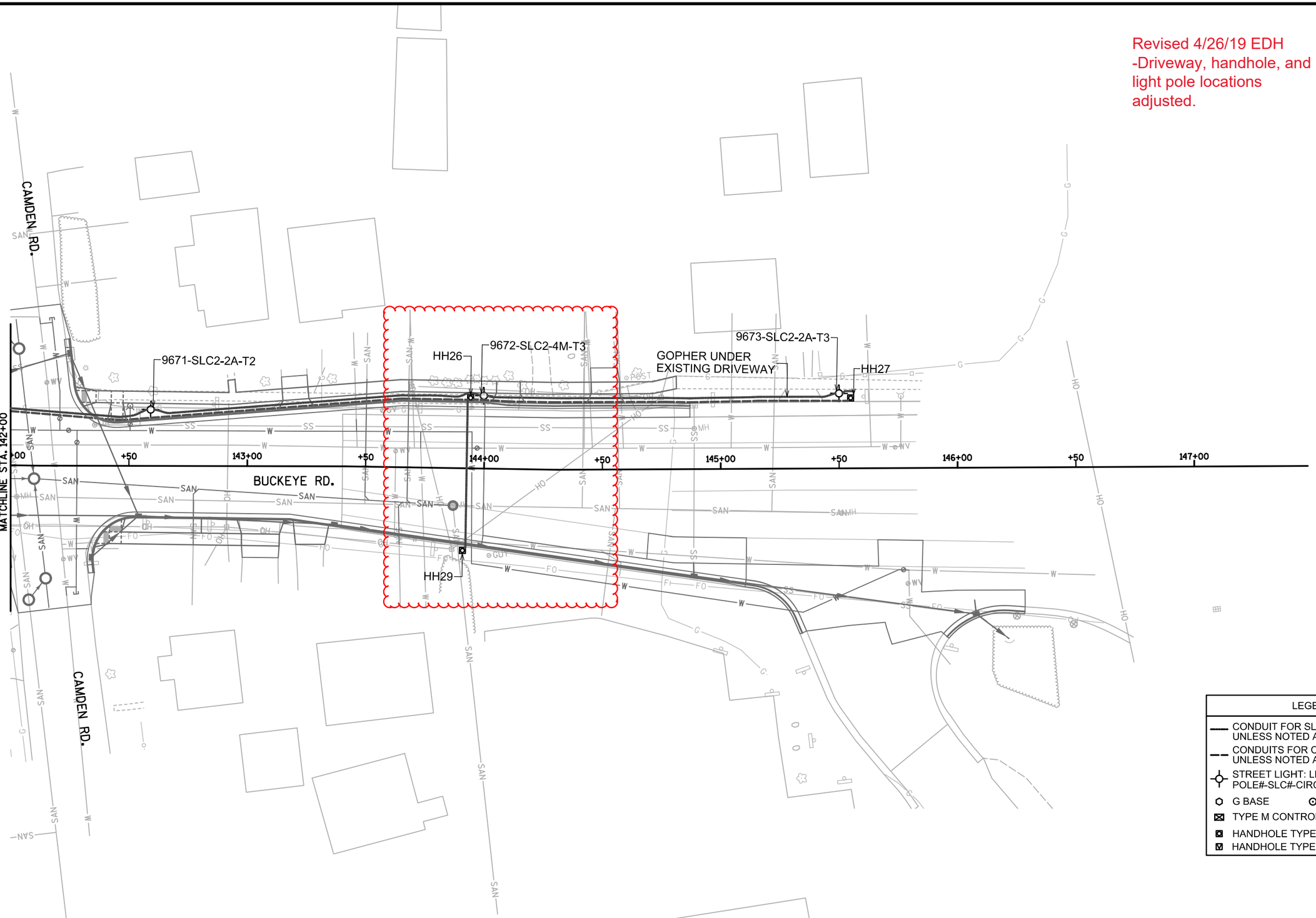
- CONDUITS FOR COMM. (2) - 3" UNLESS NOTED AS OTHER
- STREET LIGHT: LB-3 BASE, 30' POLE POLE#-SLC#-CIRCUIT-FIXTURE TYPE
- G BASE
- LB-8 BASE
- TYPE M CONTROL CABINET BASE
- HANDHOLE TYPE 1
- HANDHOLE TYPE 5

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET LIGHTING AND ELECTRICAL	SHEET E-7	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023507_lp.dgn PLOT DATE : 4/17/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Revised 4/26/19 EDH
-Driveway, handhole, and light pole locations adjusted.



LEGEND

- CONDUIT FOR SL (1) - 2" UNLESS NOTED AS OTHER
- CONDUITS FOR COMM. (2) - 3" UNLESS NOTED AS OTHER
- STREET LIGHT: LB-3 BASE, 30' POLE POLE#-SLC#-CIRCUIT-FIXTURE TYPE
- G BASE
- LB-8 BASE
- TYPE M CONTROL CABINET BASE
- HANDHOLE TYPE 1
- HANDHOLE TYPE 5

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET LIGHTING AND ELECTRICAL	SHEET E-8	E

Revised 4/26/19 EDH
-Handhole and light pole locations adjusted.

3

3

LIGHTING CONDUIT AND WIRE

FROM	TO	60232 SCHEDULE 40 2" (LF)	60230 SCHEDULE 80 2" (LF)	60241 GOPHER (LF)
ESLCB	HH1	109	75	75
HH1	HH2	-	50	-
9646	HH2	52	-	-
HH2	9647	85	15	-
9647	9648	104	45	-
9648	9649	149	15	-
9649	9650	136	30	-
HH3	HH28	-	44	-
HH28	DFB1	9	-	-
9650	HH4	26	32	-
SLC1	HH4	58	-	-
HH4	9651	96	32	-
9651	HH6	142	-	-
TS1	HH6	19	-	-
HH6	HH7	-	42	-
TS2	HH7	14	-	-
HH6	9652	9	-	-
9652	9653	138	48	-
9653	9654	112	76	-
9654	9655	188	-	-
9655	9656	97	55	-
9656	9657	135	20	-
9657	9658	109	36	-
9658	9659	104	42	-
9659	9660	98	50	-
9660	9661	198	14	-
9661	9662	106	48	-
9662	HH17	137	17	-
HH17	HH18	-	44	-
HH18	9663	22	-	-
HH17	9664	140	-	-
9664	9665	139	25	-
9665	9666	119	45	-
9666	SLC2	122	-	-
SLC2	9667	19	60	-
9667	9668	130	14	-
9668	HH20	54	22	-
HH20	HH21	-	22	-
HH21	HH22	-	26	-
HH20	TS3	14	-	-
HH21	TS4	-	14	-
HH22	TS5	24	-	-
TS3	9669	28	56	-
9669	HH23	24	-	-
HH23	9670	131	13	-
9670	9671	91	77	-
9671	9672	128	15	-
9672	9673	106	46	20
TOTALS		3,721	1,265	95

CONDUIT FIBER

FROM	TO	60224 SCHEDULE 40 3" (LF)	60222 SCHEDULE 80 3" (LF)	60261 ELECTRICAL TRENCH (LF)	60241 GOPHER (LF)
ESLCB	HH1	218	150	368	150
HH1	HH2	-	96	96	-
HH2	HH3	694	184	878	-
HH3	HH4	278	100	378	-
HH4	HH5	-	106	106	-
HH4	HH6	474	64	538	-
HH6	HH7	-	84	84	-
HH6	HH8	732	248	980	-
HH8	HH9	770	222	992	-
HH9	HH10	308	84	392	-
HH10	HH11	-	50	50	-
HH11	HH12	-	52	52	-
HH10	HH13	108	100	208	-
HH13	HH14	-	52	52	-
HH14	HH15	-	50	50	-
HH13	HH16	400	28	428	-
HH16	HH17	474	130	604	-
HH17	HH18	-	88	88	-
HH17	HH30	430	90	520	-
HH30	HH19	310	88	398	-
HH30	HH31	-	84	84	-
HH19	HH20	576	192	768	-
HH20	HH21	-	52	52	-
HH21	HH22	-	52	52	-
HH20	HH23	120	112	232	-
HH23	HH24	-	52	52	-
HH24	HH25		52	52	-
HH23	HH26	704	210	914	-
HH26	HH27	341	92	433	20
HH26	HH29		138	138	-
UNDISTRIBUTED		-	-	250	-
TOTALS		6,937	3,102	10,289	170

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	MISCELLANEOUS QUANTITIES - STREET LIGHTING AND ELECTRICAL	SHEET E-9	E

Revised 4/26/19 EDH
-Handhole and light pole locations adjusted.

3

3

ELECTRICAL HANDHOLES

STRUCTURE	STATION	OFFSET	60702 TYPE I EACH	60704 TYPE III EACH	60706 TYPE V EACH
HH1	103+17.2	24.1' RT	-	-	1
HH2	103+16.8	24.5' LT	-	-	1
HH3	107+54.6	22.3' LT	1	-	-
HH4	109+41.7	25.8' LT	-	-	1
HH5	109+40.4	25.8' RT	1	-	-
HH6	112+06.3	20.0' LT	-	-	1
HH7	112+06.3	20.1' RT	1	-	-
HH8	116+88.1	25.9' LT	1	-	-
HH9	121+82.4	22.3' LT	1	-	-
HH10	123+76.1	23.8' LT	-	-	1
HH11	123+76.1	0	1	-	-
HH12	123+76.1	24.3' RT	1	-	-
HH13	124+79.1	23.8' LT	-	-	1
HH14	124+79.1	0	1	-	-
HH15	124+79.1	24.0' RT	1	-	-
HH16	126+87.4	23.0' LT	1	-	-
HH17	129+93.8	23.7' LT	-	-	1
HH18	129+93.1	17.7' RT	1	-	-
HH19	134+58.6	23.0' LT	1	-	-
HH20	138+39.0	23.6' LT	-	-	1
HH21	138+39.0	0	1	-	-
HH22	138+39.6	24.2' RT	1	-	-
HH23	139+54.1	23.8' LT	-	-	1
HH24	139+54.1	0	1	-	-
HH25	139+54.1	24' RT	1	-	-
HH26	143+93.9	29.8' LT	1	-	-
HH27	145+55.0	29.7' LT	1	-	-
HH28	107+54.5	23.2' RT	1	-	-
HH29	143+91.4	34.7' RT	1	-	-
HH30	132+59.6	16.6' LT	1	-	-
HH31	132+59.6	23.8' RT	1	-	-
UNDISTRIBUTED			-	2	-
TOTALS			22	2	9

RECTANGULAR RAPID FLASHING BEACON SYSTEM
FRANK ALLIS ELEMENTARY CROSSING

STRUCTURE	STATION	OFFSET	**60407 CONCRETE BASES TYPE LB-8 EACH	60409 CONCRETE BASES OFFSET EACH
TS1	111+89.6	25.2' LT	1	-
			-	-
			-	-
			-	-
TS2	111+99.1	25.5' RT	1	-
			-	-
			-	-
			-	-
UNDISTRIBUTED			-	1
TOTALS			2	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
**CONSTRUCT LB-8 BASE MODIFIED TO HAVE 11.5-INCH BOLT CIRCLE

RECTANGULAR RAPID FLASHING BEACON SYSTEM
BUCKEYE ROAD & MAHER AVENUE

STRUCTURE	STATION	OFFSET	60411 CONCRETE BASES TYPE G EACH	60409 CONCRETE BASES OFFSET EACH
TS3	138+51.0	25.7' LT	1	-
			-	-
TS4	138+51.1	0'	1	-
			-	-
			-	-
			-	-
TS5	138+61.8	24.8' RT	1	-
			-	-
UNIDSTRIBUTED			-	1
TOTALS			3	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

Revised 4/26/19 EDH
-Handhole and light pole locations adjusted.

LIGHTING CONTROL

STRUCTURE	STATION	OFFSET	60412 M BASE EACH	COMMENTS
SLC1	109+24.6	69.2'LT	1	-
SLC2	135+53.8	45.3'LT	1	-
ESLC	101+38.7	28.4'RT	-	EXISTING
TOTAL			2	

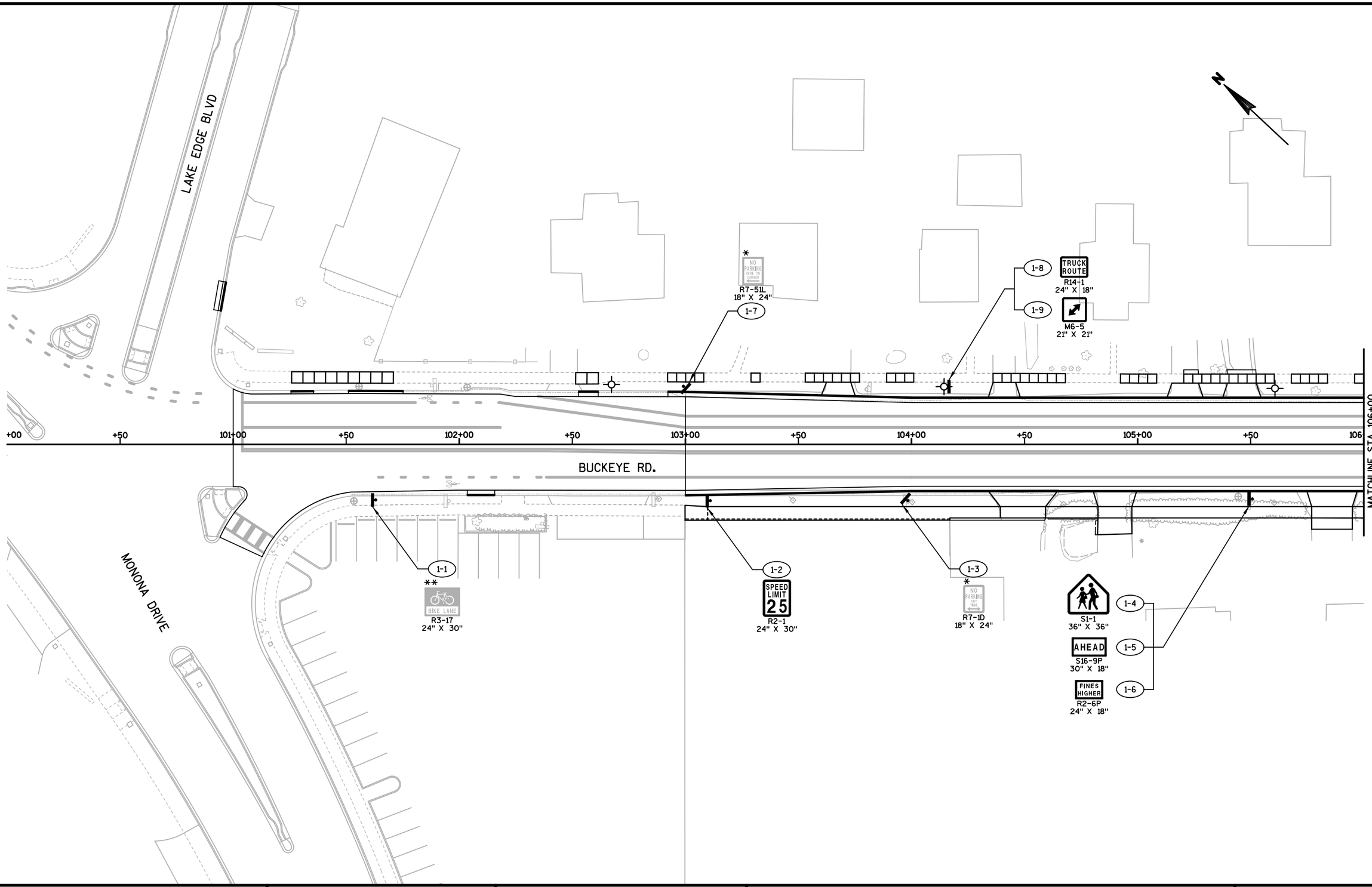
ESLC EXISTING STREET LIGHT CABINET - BUCKEYE+MONONA

STREET LIGHTING

STRUCTURE	STATION	OFFSET	*60411 CONCRETE BASES TYPE G EACH	**60403 CONCRETE BASES TYPE LB-3 EACH	**60407 CONCRETE BASES TYPE LB-8 EACH
9646	102+67.3	26.5'LT	-	1	-
9647	104+14.4	25.6'LT	-	1	-
9648	105+60.8	24.8'LT	-	1	-
9649	107+23.2	24.0'LT	-	1	-
9650	108+86.3	24.8'LT	-	1	-
9651	110+67.5	25.7'LT	-	1	-
9652	112+12.4	24.3'LT	-	1	-
9653	113+96.4	26.2'LT	-	1	-
9654	115+79.6	24.8'LT	-	1	-
9655	117+49.0	25.2'LT	-	1	-
9656	118+99.6	24.8'LT	-	1	-
9657	120+53.1	25.2'LT	-	1	-
9658	121+95.2	23.0 LT	-	1	-
9659	123+40.1	23.9'LT	-	1	-
9660	124+85.7	25.0'LT	-	1	-
9661	126+94.4	23.9'LT	-	1	-
9662	128+48.0	22.9'LT	-	1	-
9663	130+07.9	23.7'RT	-	1	-
9664	131+38.5	27.2'LT	-	1	-
9665	132+91.3	21.1'LT	-	1	-
9666	134+49.9	25.2'LT	-	1	-
9667	136+25.6	25.5'LT	-	1	-
9668	137+66.5	25.1'LT	-	1	-
9669	139+33.1	26.3'LT	-	1	-
9670	140+92.2	26.6'LT	-	1	-
9671	142+59.2	23.8'LT	-	1	-
9672	143+99.5	30.8'LT	-	1	-
9673	145+50.1	31.7'LT	-	1	-
DFB1	107+59.4	23.4'RT	-	-	1
UNDISTRIBUTED			1	-	2
TOTALS			1	28	3

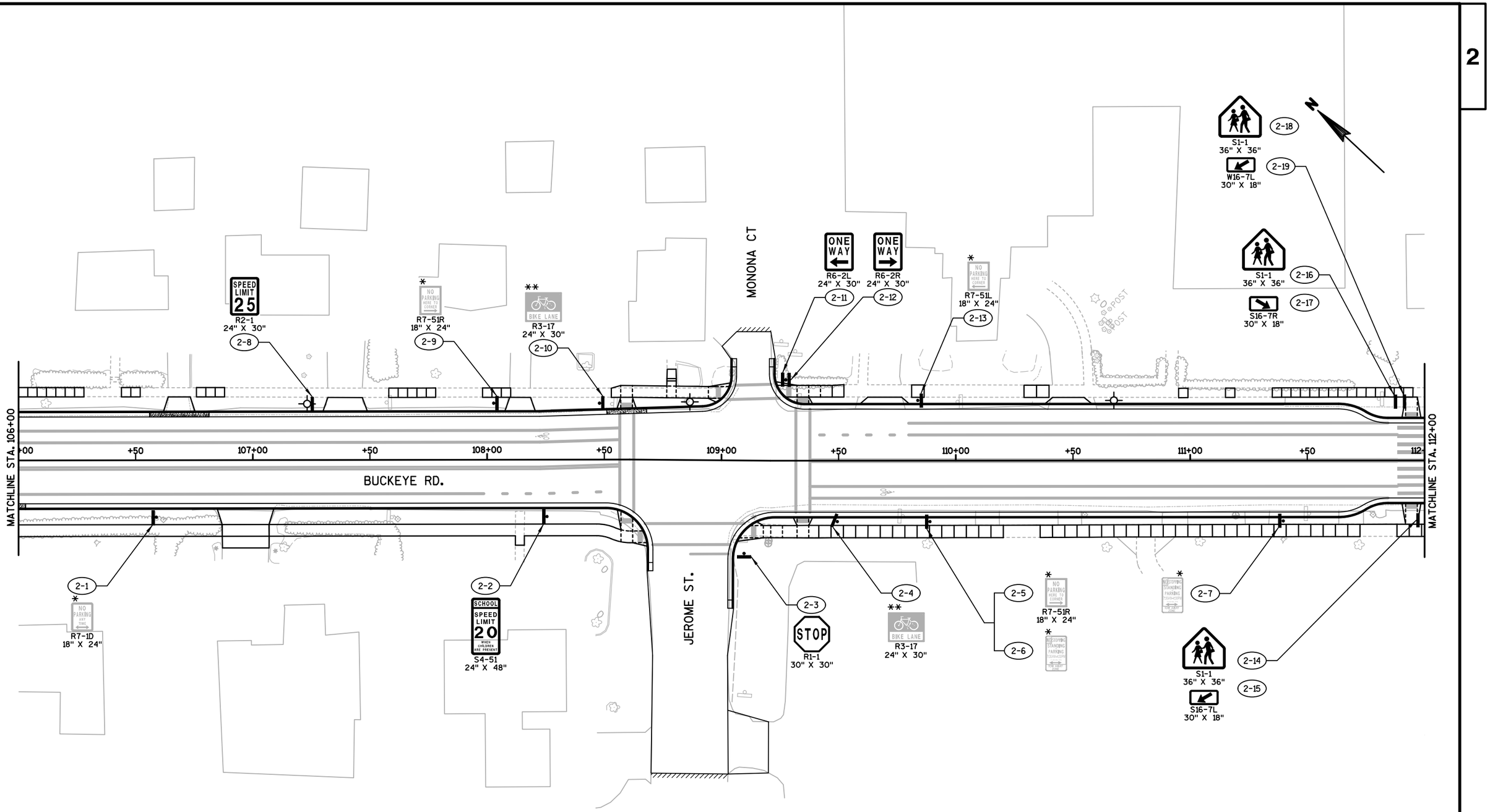
*ADDITIONAL QUANTITIES LISTED ELSEWHERE
**CONSTRUCT LB-3 AND LB-8 BASES MODIFIED TO HAVE 11.5-INCH BOLT CIRCLE

2



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET PS-1	E

2



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET PS-2	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023710_ps.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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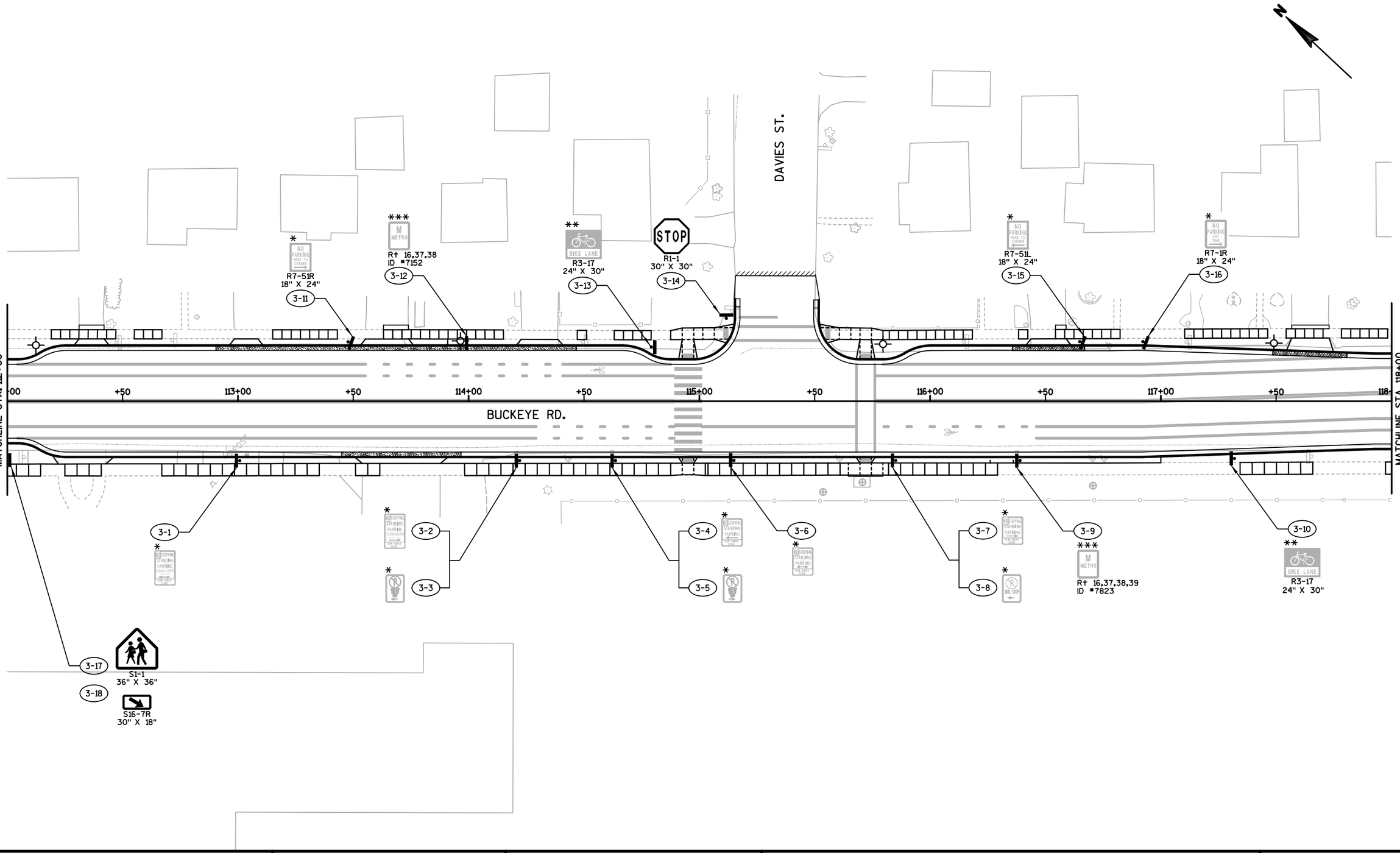


PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET PS-3	E

2

N

MATCHLINE STA. 118+00

BUCKEYE RD.

118+00 +50 119+00 +50 120+00 +50 121+00 +50 122+00 +50 123+00 +50 124

MATCHLINE STA. 124+00

MATCHLINE

QUAKER CIR.

4-1 SPEED LIMIT 25 R2-1 24" X 30"

4-2 * NO PARKING HERE TO CORNER R7-51L 18" X 24"

4-3 STOP R1-1 30" X 30"

4-4 ** BIKE LANE R3-17 24" X 30"

4-5 * NO PARKING HERE TO CORNER R7-51R 18" X 24"

4-6 * NO PARKING HERE TO CORNER R7-51L 18" X 24"

4-7 R4-7 24" X 30"

4-8 * NO PARKING ANY TIME R7-1D 18" X 24"

4-9 SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT S4-51 24" X 48"

4-10 ** BIKE LANE R3-17 24" X 30"

4-11 * NO PARKING ANY TIME R7-1D 18" X 24"

4-12 S1-1 36" X 36"

4-13 AHEAD S16-9P 30" X 18"

4-14 FINES HIGHER R2-6P 24" X 18"

4-15 * NO PARKING ANY TIME R7-1D 18" X 24"

4-16 *** M METRO R+ 16,37,38 ID #7838

4-17 * NO PARKING ANY TIME R7-1D 18" X 24"

4-18 ** BIKE LANE R3-17 24" X 30"

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET PS-4	E

2

2

E. LAKEVIEW AVE.

MORNINGSIDE AVE.

BUCKEYE RD.

MATCHLINE STA. 124+00

MATCHLINE STA. 130+00

W. LAKEVIEW AVE.

124+00 +50 125+00 +50 126+00 +50 127+00 +50 128+00 +50 129+00 +50 130

5-1 STOP R1-1 30" X 30"

5-2 ** BIKE LANE R3-17 24" X 30"

5-3 *** M METRO R† 16,37,38,39 ID *7559

5-4 * NO PARKING ANY TIME R7-51R 18" X 24"

5-5 ** BIKE LANE R3-17 24" X 30"

5-6 SPEED LIMIT 25 R2-1 24" X 30"

5-7 STOP R1-1 30" X 30"

5-8 * NO PARKING ANY TIME R7-1D 18" X 24"

5-9 R4-7 24" X 30"

5-10 ** BIKE LANE R3-17 24" X 30"

5-11 * NO PARKING ANY TIME R7-1D 18" X 24"

5-12 STOP R1-1 30" X 30"

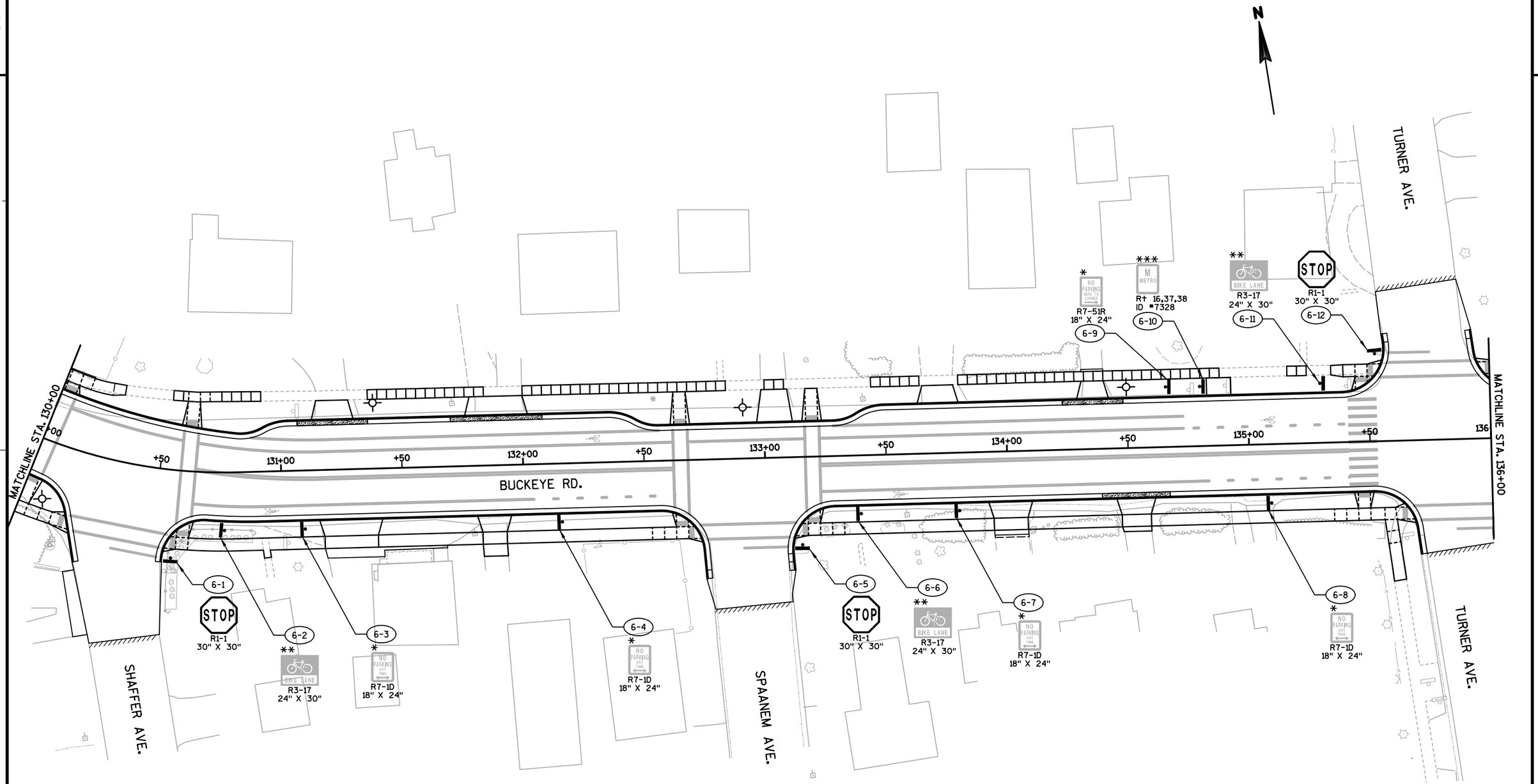
5-13 SPEED LIMIT 25 R2-1 24" X 30"

5-14 * NO PARKING ANY TIME R7-1D 18" X 24"

5-15 ** BIKE LANE R3-17 24" X 30"

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET PS-5	E

2



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET PS-6	E

2

N

MAHER AVE.

CAMDEN RD.

MAHER AVE.

TURNER AVE.

BUCKEYE RD.

MATCHLINE STA. 136+00

MATCHLINE STA. 142+00

136+00 +50 137+00 +50 138+00 +50 139+00 +50 140+00 +50 141+00 +50 142

7-1 ** BIKE LANE R3-17 24" X 30"

7-2 *** M METRO R+ 37,39 ID #7247

7-3 SPEED LIMIT 25 R2-1 24" X 30"

7-4 * NO PARKING ANY TIME R7-1D 18" X 24"

7-5 R4-7 24" X 30"

7-6 STOP R1-1 30" X 30"

7-7 ** BIKE LANE R3-17 24" X 30"

7-8 * NO PARKING ANY TIME R7-1D 18" X 24"

7-9 * NO PARKING ANY TIME R7-1D 18" X 24"

7-10 * NO PARKING ANY TIME R7-1D 18" X 24"

7-11 SPEED LIMIT 25 R2-1 24" X 30"

7-12 * NO PARKING ANY TIME R7-1D 18" X 24"

7-13 ** BIKE LANE R3-17 24" X 30"

7-14 STOP R1-1 30" X 30"

7-15 R4-7 24" X 30"

7-16 * NO PARKING ANY TIME R7-51L 18" X 24"

7-17 * NO PARKING HERE TO CORNER R7-51R 18" X 24"

7-18 *** M METRO R+ 37 ID #7462

7-19 ** BIKE LANE R3-17 24" X 30"

7-20 STOP R1-1 30" X 30"

7-21 W11-2 30" X 30"

7-22 W16-7L 24" X 12"

7-23 W11-2 30" X 30"

7-24 W16-7R 24" X 12"

7-25 W11-2 30" X 30"

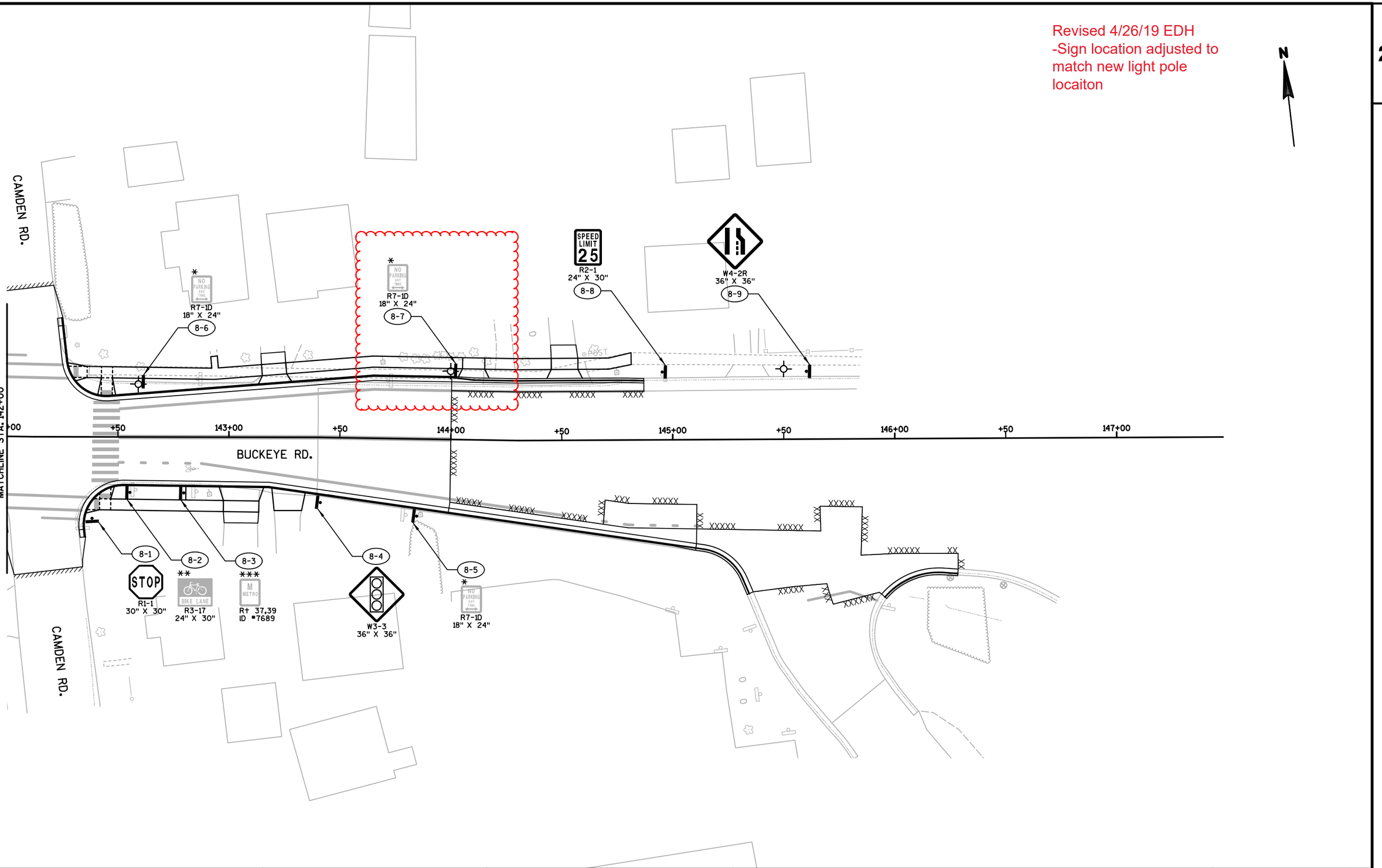
7-26 W16-7R 24" X 12"

7-27 W11-2 30" X 30"

7-28 W16-7L 24" X 12"

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET PS-7	E

Revised 4/26/19 EDH
-Sign location adjusted to match new light pole locaiton



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET PS-8	E

PERMANENT SIGNING SUMMARY

SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	90036 SIGNS TYPE II REFLECTIVE H SF	90037 SIGNS TYPE II REFLECTIVE F SF	90033 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	90032 PRECAST SIGN POST BASE EACH	90034 SIGN POST LF	90035 REFLECTIVE SIGN POST LF	REMARKS
1 - 1	101+60	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
1 - 2	103+10	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	10	
1 - 3	104+00	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
1 - 4	105+50	RT	S1-1	SCHOOL ADVANCE	36 x 36	---	6.75	---	1	---	13	
1 - 5	105+50	RT	S16-9P	AHEAD PLAQUE (FLUORESCENT YELLOW GREEN)	30 x 18	---	3.75	---	---	---	---	INSTALL BELOW SIGN 1-4
1 - 6	105+50	RT	R2-6P	FINES HIGHER PLAQUE	24 x 18	3.00	---	---	---	---	---	INSTALL BELOW SIGN 1-5
1 - 7	103+00	LT	R7-51L	NO PARKING HERE TO CORNER - LEFT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
1 - 8	104+15	LT	R14-1	TRUCK ROUTE	24 x 18	3.00	---	---	---	---	---	INSTALL ON LIGHT POLE
1 - 9	104+15	LT	M6-5	DIRECTIONAL ARROWS DIAGONAL	21 x 21	3.06	---	---	---	---	---	INSTALL ON LIGHT POLE BELOW SIGN 1-8
2 - 1	106+60	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
2 - 2	108+25	RT	S4-51	SCHOOL SPEED LIMIT	24 x 48	---	8.00	---	1	---	12	
2 - 3	109+10	RT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
2 - 4	109+50	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	1	---	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
2 - 5	109+90	RT	R7-51R	NO PARKING HERE TO CORNER - RIGHT ARROW	18 x 24	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
2 - 6	109+90	RT	---	NO STOPPING STANDING OR PARKING; TIMES; ON SCHOOL DAYS	18 x 30	---	---	---	---	---	---	INSTALL BELOW SIGN 2-5; SIGN PROVIDED AND INSTALLED BY OTHERS
2 - 7	111+40	RT	---	NO STOPPING STANDING OR PARKING; TIMES; ON SCHOOL DAYS	18 x 30	---	---	1	---	---	---	PROVIDE AND INSTALL SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
2 - 8	107+25	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	---	---	---	INSTALL ON LIGHT POLE
2 - 9	108+00	LT	R7-51R	NO PARKING HERE TO CORNER - RIGHT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
2 - 10	108+50	LT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
2 - 11	109+25	LT	R6-2L	ONE WAY LEFT ARROW	24 x 30	5.00	---	---	1	10	---	
2 - 12	109+25	LT	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.00	---	---	---	---	---	INSTALL BACK-TO-BACK WITH SIGN 2-11
2 - 13	109+85	LT	R7-51L	NO PARKING HERE TO CORNER - LEFT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
2 - 14	111+99	RT	S1-1	SCHOOL ADVANCE	36 x 36	---	6.75	---	---	---	---	INSTALL ON POLE
2 - 15	111+99	RT	S16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (FLUORESCENT)	30 x 18	---	3.75	---	---	---	---	INSTALL ON POLE BELOW SIGN 2-14
2 - 16	111+90	LT	S1-1	SCHOOL ADVANCE	36 x 36	---	6.75	---	---	---	---	INSTALL ON POLE
2 - 17	111+90	LT	S16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (FLUORESCENT)	30 x 18	---	3.75	---	---	---	---	INSTALL POLE BELOW SIGN 2-18
2 - 18	111+90	LT	S1-1	SCHOOL ADVANCE	36 x 36	---	6.75	---	---	---	---	INSTALL ON POLE
2 - 19	111+90	LT	S16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (FLUORESCENT)	30 x 18	---	3.75	---	---	---	---	INSTALL ON POLE BELOW SIGN 3-17
3 - 1	113+00	RT	---	NO STOPPING STANDING OR PARKING; TIMES; ON SCHOOL DAYS	18 x 30	---	---	1	---	---	---	PROVIDE AND INSTALL SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
3 - 2	114+20	RT	---	NO STOPPING STANDING OR PARKING; TIMES; ON SCHOOL DAYS	18 x 30	---	---	1	---	---	---	PROVIDE AND INSTALL SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
3 - 3	114+20	RT	---	NO PARKING SYMBOL; DROP OFF/PICK UP ONLY	--- x ---	---	---	---	---	---	---	INSTALL BELOW SIGN 3-2
3 - 4	114+65	RT	---	NO STOPPING STANDING OR PARKING	18 x 24	---	---	1	---	---	---	PROVIDE AND INSTALL SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
3 - 5	114+65	RT	---	NO PARKING SYMBOL; DROP OFF/PICK UP ONLY	--- x ---	---	---	---	---	---	---	INSTALL BELOW SIGN 3-4
3 - 6	115+15	RT	---	NO STOPPING STANDING OR PARKING	18 x 24	---	---	1	---	---	---	PROVIDE AND INSTALL SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
3 - 7	115+85	RT	---	NO STOPPING STANDING OR PARKING	18 x 24	---	---	1	---	---	---	PROVIDE AND INSTALL SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
3 - 8	115+85	RT	---	NO PARKING SYMBOL; BUS STOP	--- x ---	---	---	---	---	---	---	INSTALL BELOW SIGN 3-7; SIGN PROVIDED AND INSTALLED BY OTHERS
3 - 9	116+40	RT	---	MADISON METRO BUS STOP	--- x ---	---	---	---	---	---	---	SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS
3 - 10	117+30	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
3 - 11	113+50	LT	R7-51R	NO PARKING HERE TO CORNER - RIGHT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
3 - 12	113+95	LT	---	MADISON METRO BUS STOP	--- x ---	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
3 - 13	114+80	LT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
3 - 14	115+12	LT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
3 - 15	116+65	LT	R7-51L	NO PARKING HERE TO CORNER - LEFT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
3 - 16	116+95	LT	R7-1R	NO PARKING ANY TIME - RIGHT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
3 - 17	111+99	RT	S1-1	SCHOOL ADVANCE	36 x 36	---	6.75	---	---	---	---	INSTALL ON POLE
3 - 18	111+99	RT	S16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (FLUORESCENT)	30 x 18	---	3.75	---	---	---	---	INSTALL ON POLE BELOW SIGN 2-16
4 - 1	119+20	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	10	
4 - 2	119+55	RT	R7-51L	NO PARKING HERE TO CORNER - LEFT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
4 - 3	120+80	RT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
4 - 4	121+00	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
4 - 5	121+50	RT	R7-51R	NO PARKING HERE TO CORNER - RIGHT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
4 - 6	122+50	RT	R7-51L	NO PARKING HERE TO CORNER - LEFT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
4 - 7	123+55	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	1	---	---	10	
4 - 8	118+75	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
4 - 9	119+20	LT	S4-51	SCHOOL SPEED LIMIT	24 x 48	---	8.00	---	1	---	12	
				SHEET TOTALS		54.60	68.50	9	26	40	127	

CON'T NEXT SHEET

PERMANENT SIGNING SUMMARY (CONT'D)

SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	90036 SIGNS TYPE II REFLECTIVE H SF	90037 SIGNS TYPE II REFLECTIVE F SF	90033 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	90032 PRECAST SIGN POST BASE EACH	90034 SIGN POST LF	90035 REFLECTIVE SIGN POST LF	REMARKS
4 - 10	120+20	LT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
4 - 11	120+55	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
4 - 12	121+20	LT	S1-1	SCHOOL ADVANCE	36 x 36	---	6.75	---	1	---	13	
4 - 13	121+20	LT	S16-9P	AHEAD PLAQUE (FLUORESCENT YELLOW GREEN)	30 x 18	---	3.75	---	---	---	---	INSTALL BELOW SIGN 4-12
4 - 14	121+20	LT	R2-6P	FINES HIGHER PLAQUE	24 x 18	3.00	---	---	---	---	---	INSTALL BELOW SIGN 4-13
4 - 15	121+95	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
4 - 16	123+20	LT	---	MADISON METRO BUS STOP	--- x ---	---	---	---	---	---	---	SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS
4 - 17	123+40	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
4 - 18	123+70	LT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
5 - 1	124+50	RT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
5 - 2	124+80	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
5 - 3	125+30	RT	---	MADISON METRO BUS STOP	--- x ---	---	---	---	---	---	---	SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS
5 - 4	126+15	RT	R7-51R	NO PARKING HERE TO CORNER - RIGHT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
5 - 5	127+85	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
5 - 6	128+60	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	10	
5 - 7	124+10	LT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
5 - 8	124+85	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
5 - 9	125+05	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	1	---	---	10	
5 - 10	126+65	LT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
5 - 11	126+95	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
5 - 12	127+05	LT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
5 - 13	128+10	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	10	
5 - 14	128+50	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
5 - 15	129+85	LT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
6 - 1	130+60	RT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
6 - 2	130+75	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
6 - 3	131+10	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
6 - 4	132+15	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
6 - 5	133+15	RT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
6 - 6	133+40	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
6 - 7	133+80	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
6 - 8	135+10	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
6 - 9	134+65	LT	R7-51R	NO PARKING HERE TO CORNER - RIGHT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
6 - 10	134+80	LT	---	MADISON METRO BUS STOP	--- x ---	---	---	---	---	---	---	SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS
6 - 11	135+30	LT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
6 - 12	135+55	LT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
7 - 1	136+20	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
7 - 2	137+00	RT	---	MADISON METRO BUS STOP	--- x ---	---	---	---	---	---	---	SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS
7 - 3	137+35	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	10	
7 - 4	137+80	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
7 - 5	138+20	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	1	---	---	10	
7 - 6	139+25	RT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
7 - 7	139+55	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
7 - 8	140+00	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
7 - 9	141+50	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
7 - 10	136+25	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
7 - 11	137+40	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	10	
7 - 12	137+65	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
7 - 13	138+20	LT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
7 - 14	138+70	LT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
7 - 15	139+70	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	1	---	---	10	
7 - 16	140+50	LT	R7-51L	NO PARKING HERE TO CORNER - LEFT ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
7 - 17	140+90	LT	R7-51R	NO PARKING HERE TO CORNER - RIGHT ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
7 - 18	141+40	LT	---	MADISON METRO BUS STOP	--- x ---	---	---	---	---	---	---	SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS
7 - 19	141+60	LT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
				SHEET TOTALS		79.44	10.50	3	36	80	213	

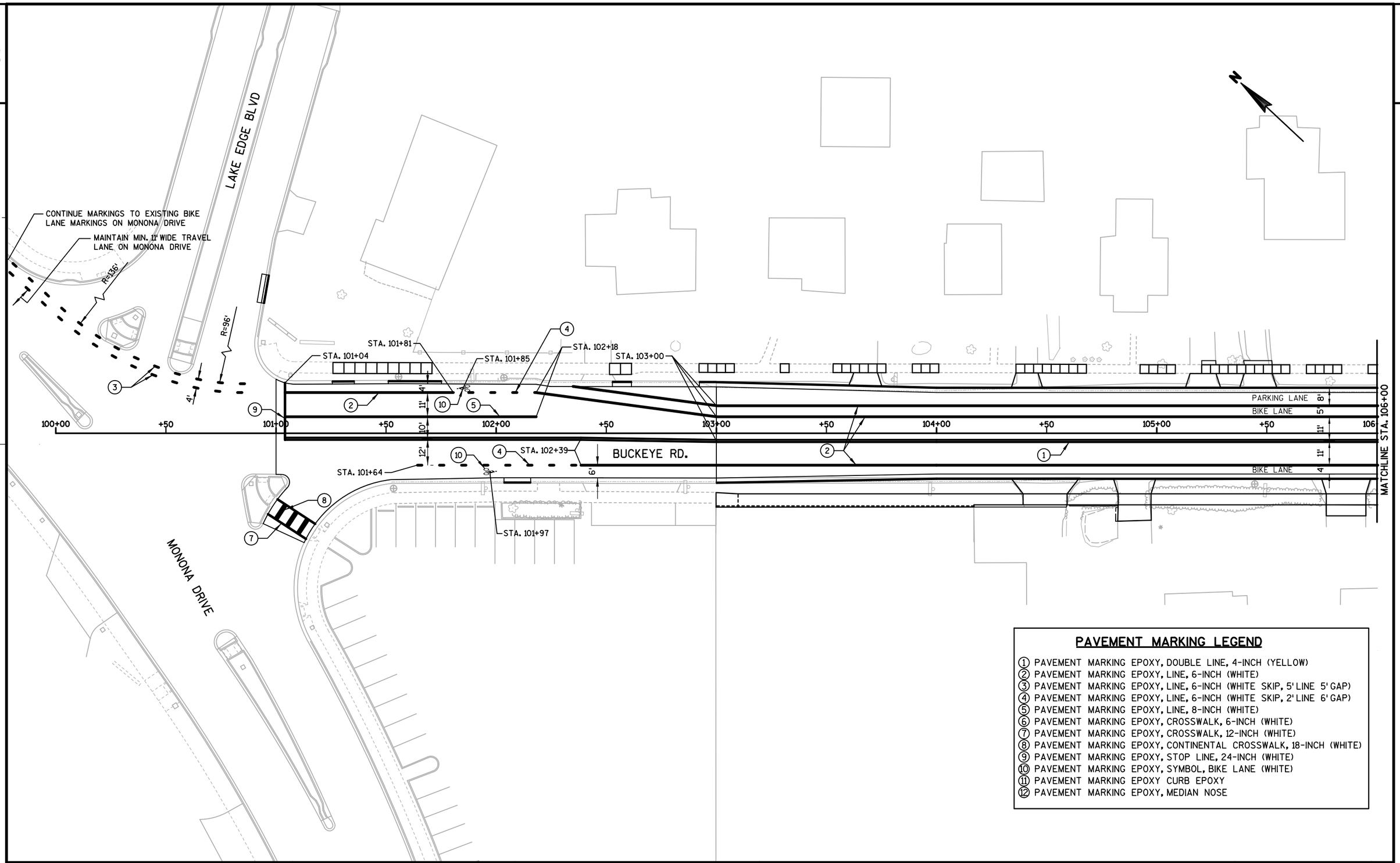
CON'T NEXT SHEET

Revised 4/26/19 EDH
-Sign location adjusted to match new light pole locaiton

PERMANENT SIGNING SUMMARY (CONT'D)

SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	90036 SIGNS TYPE II REFLECTIVE H SF	90037 SIGNS TYPE II REFLECTIVE F SF	90033 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	90032 PRECAST SIGN POST BASE EACH	90034 SIGN POST LF	90035 REFLECTIVE SIGN POST LF	REMARKS
7 - 20	141+85	LT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
7 - 21	138+60	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON POLE
7 - 22	138+60	RT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL ON POLE BELOW SIGN 7-21
7 - 23	138+60	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON POLE
7 - 24	138+60	RT	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL ON POLE BELOW SIGN 7-23
7 - 25	138+50	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON POLE
7 - 26	138+50	LT	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL ON POLE BELOW SIGN 7-25
7 - 27	138+50	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON POLE
7 - 28	138+50	LT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL ON POLE BELOW SIGN 7-27
8 - 1	142+40	RT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
8 - 2	142+55	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
8 - 3	142+80	RT	---	MADISON METRO BUS STOP	--- x ---	---	---	---	---	---	---	SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS
8 - 4	143+40	RT	W3-3	SIGNAL AHEAD	36 x 36	---	9.00	---	1	---	12	
8 - 5	143+85	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
8 - 6	142+60	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
8 - 7	144+05	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
8 - 8	144+95	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	10	
8 - 9	145+60	LT	W4-2R	LANE REDUCTION TRANSITION SYMBOL - RIGHT	36 x 36	---	9.00	---	1	---	12	
				SHEET TOTALS		15.36	51.00	0	7	20	44	
				TOTALS		149.40	130.00	12	69	140	384	

2

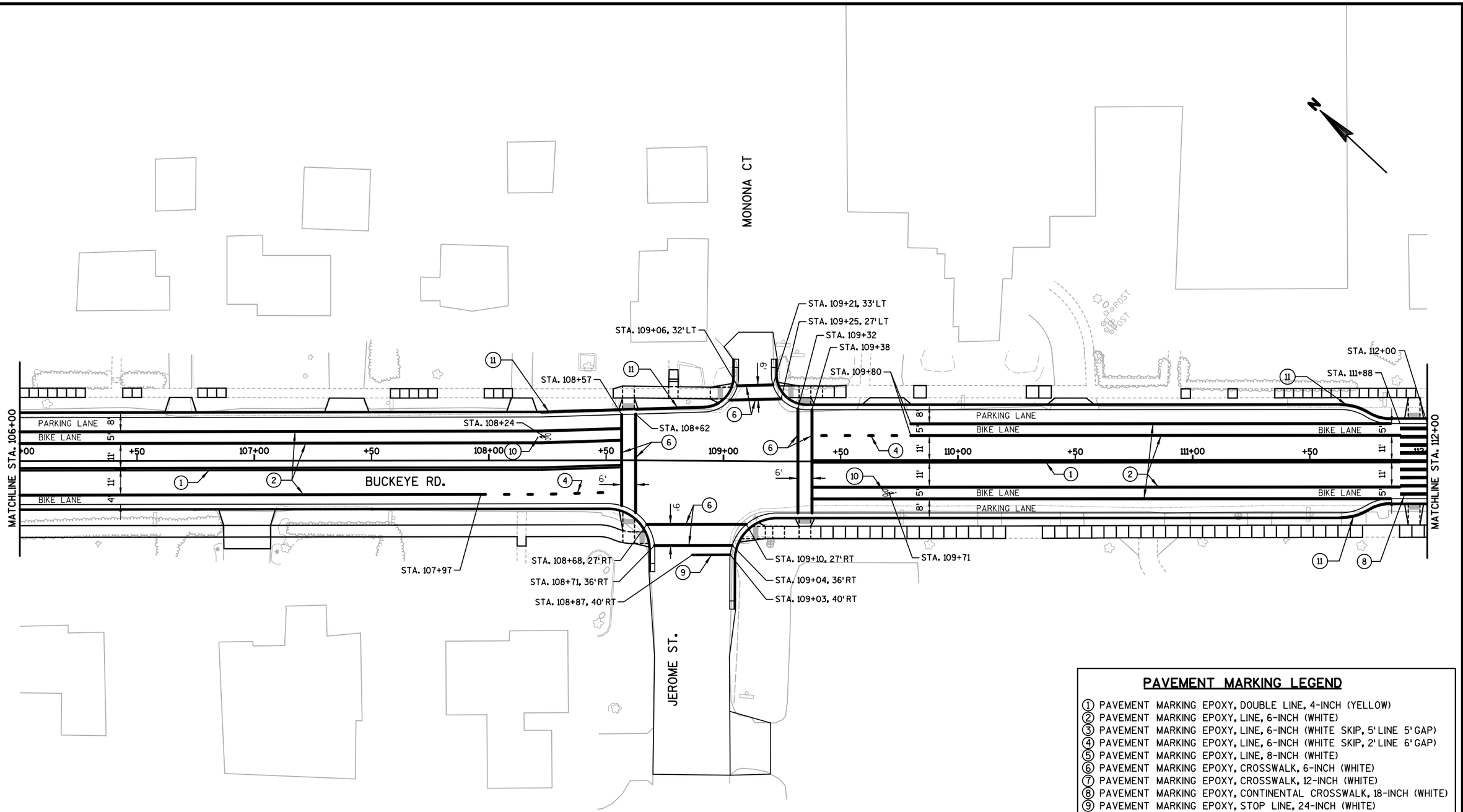


PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY, DOUBLE LINE, 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY, LINE, 6-INCH (WHITE)
3. PAVEMENT MARKING EPOXY, LINE, 6-INCH (WHITE SKIP, 5' LINE 5' GAP)
4. PAVEMENT MARKING EPOXY, LINE, 6-INCH (WHITE SKIP, 2' LINE 6' GAP)
5. PAVEMENT MARKING EPOXY, LINE, 8-INCH (WHITE)
6. PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH (WHITE)
7. PAVEMENT MARKING EPOXY, CROSSWALK, 12-INCH (WHITE)
8. PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH (WHITE)
9. PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH (WHITE)
10. PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE (WHITE)
11. PAVEMENT MARKING EPOXY CURB EPOXY
12. PAVEMENT MARKING EPOXY, MEDIAN NOSE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PAVEMENT MARKING	SHEET PM-1	E

2



PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY, DOUBLE LINE, 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY, LINE, 6-INCH (WHITE)
3. PAVEMENT MARKING EPOXY, LINE, 6-INCH (WHITE SKIP, 5'LINE 5'GAP)
4. PAVEMENT MARKING EPOXY, LINE, 6-INCH (WHITE SKIP, 2'LINE 6'GAP)
5. PAVEMENT MARKING EPOXY, LINE, 8-INCH (WHITE)
6. PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH (WHITE)
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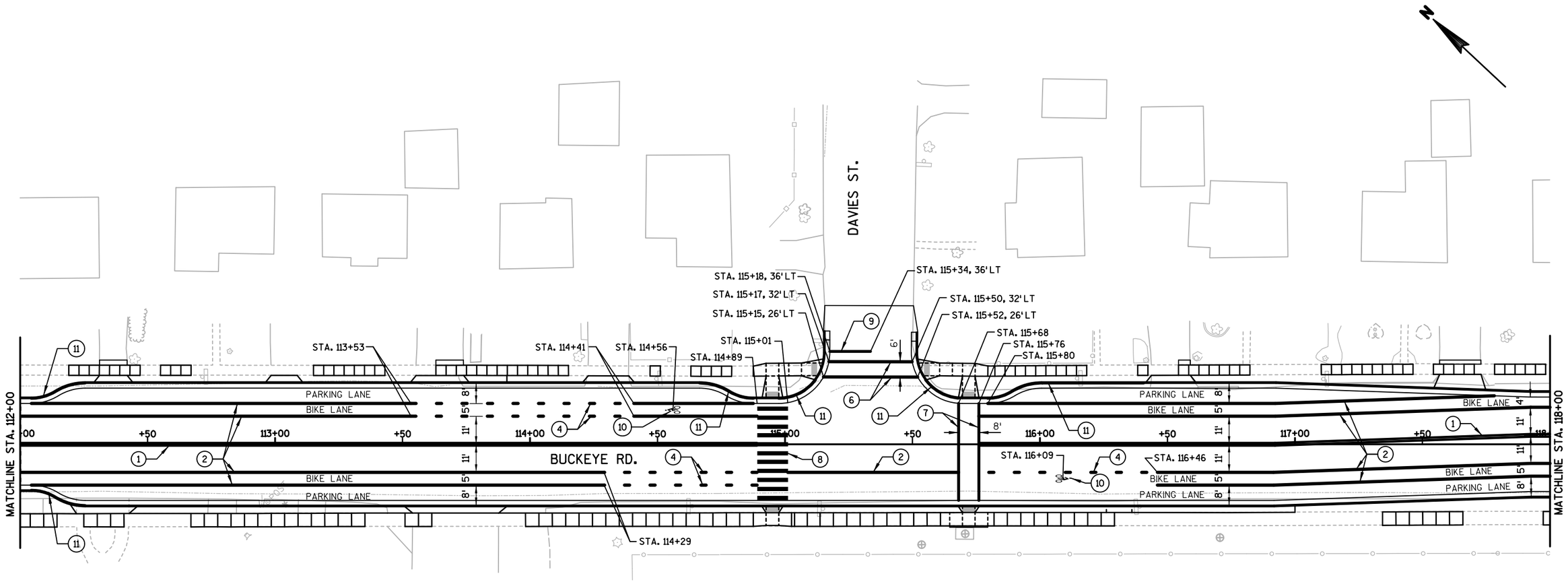
9. PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH (WHITE)
10. PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE (WHITE)
11. PAVEMENT MARKING EPOXY CURB EPOXY
12. PAVEMENT MARKING EPOXY, MEDIAN NOSE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PAVEMENT MARKING	SHEET PM-2	E

2



PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY, DOUBLE LINE, 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY, LINE, 6-INCH (WHITE)
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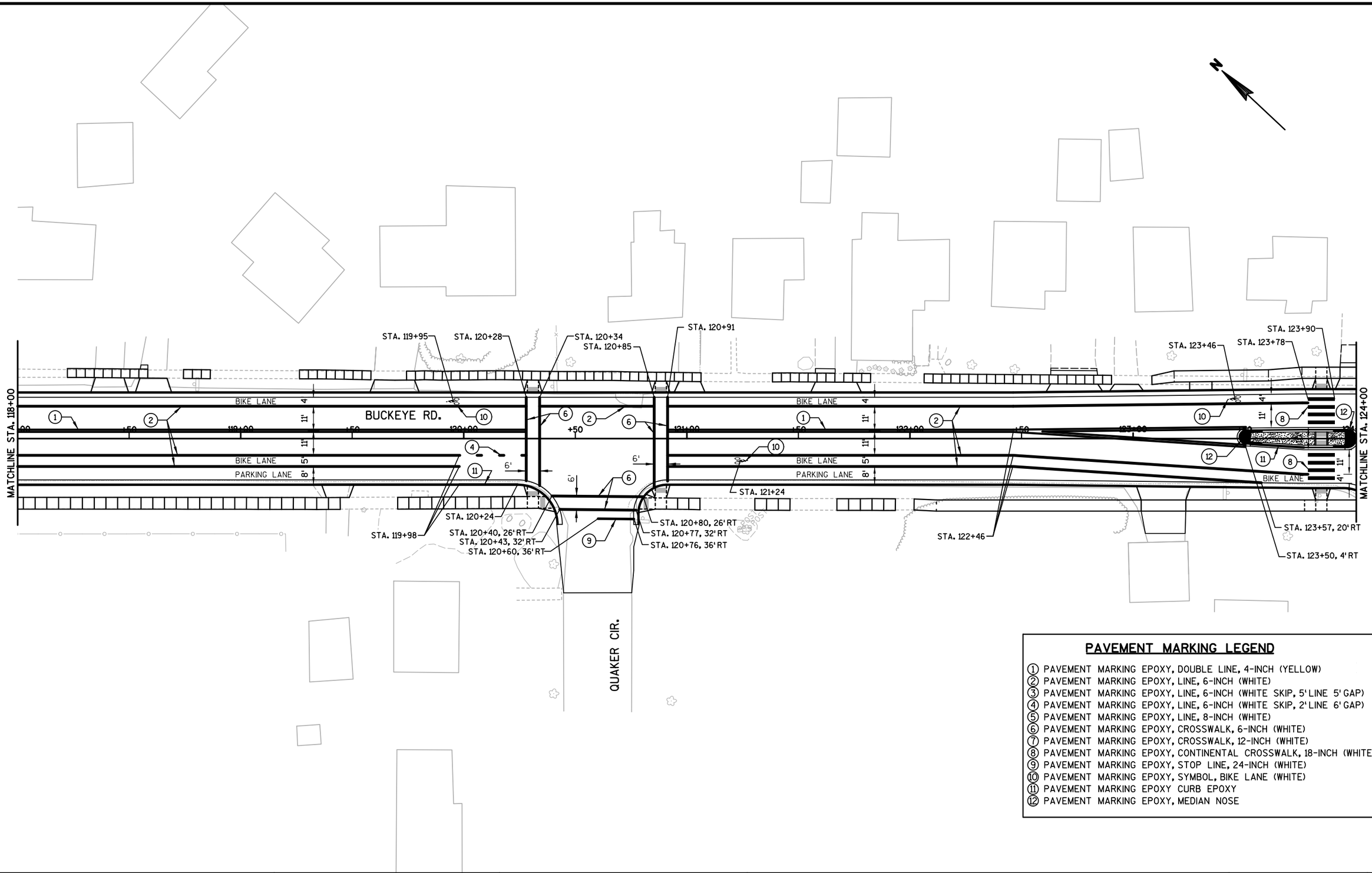
6. PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH (WHITE)
7. PAVEMENT MARKING EPOXY, CROSSWALK, 12-INCH (WHITE)
8. PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH (WHITE)
9. PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH (WHITE)
10. PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE (WHITE)
11. PAVEMENT MARKING EPOXY CURB EPOXY
12. PAVEMENT MARKING EPOXY, MEDIAN NOSE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PAVEMENT MARKING	SHEET PM-3	E

2



PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY, DOUBLE LINE, 4-INCH (YELLOW)
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6. PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH (WHITE)
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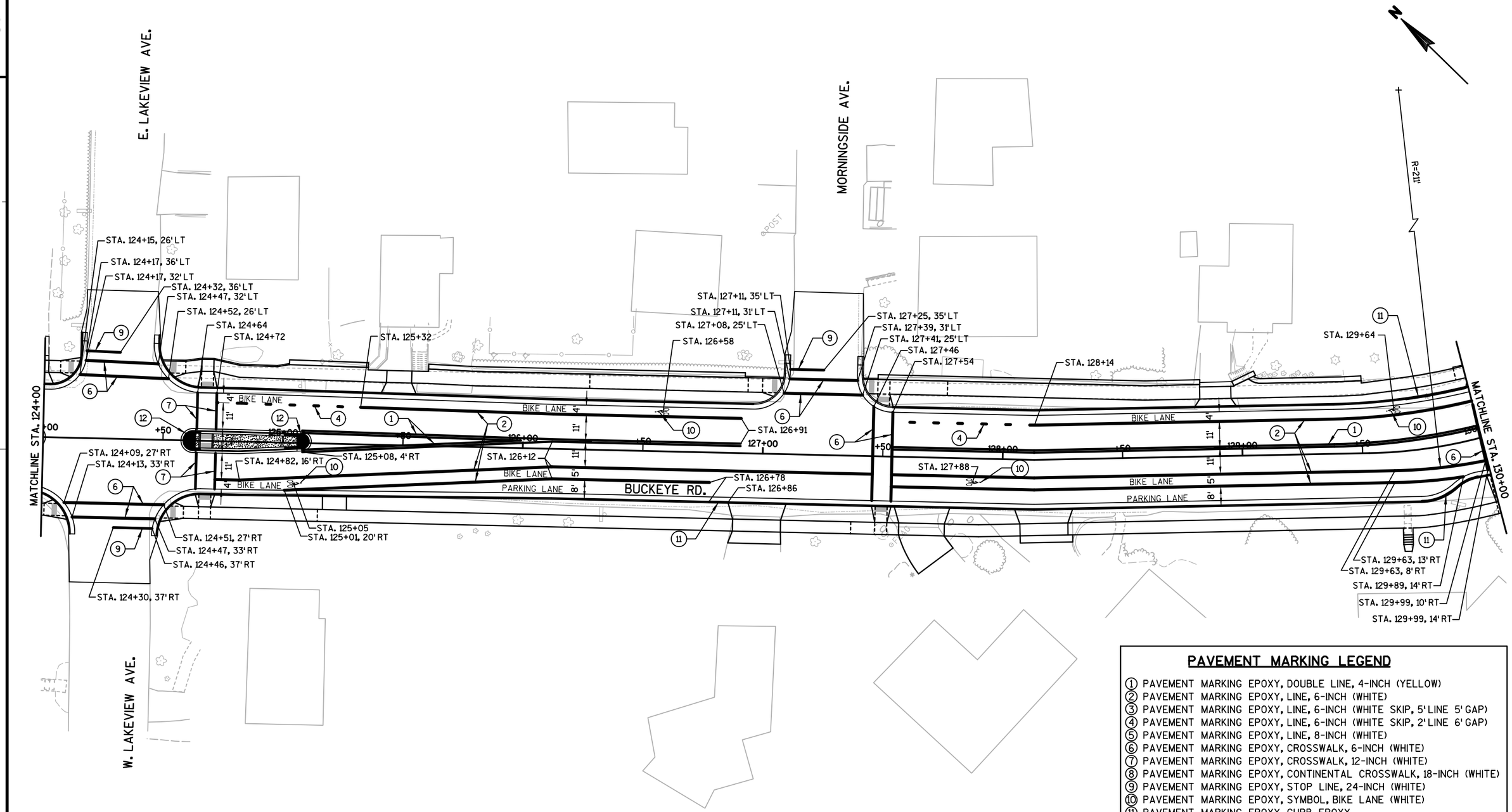
8. PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH (WHITE)
9. PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH (WHITE)
10. PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE (WHITE)
11. PAVEMENT MARKING EPOXY CURB EPOXY
12. PAVEMENT MARKING EPOXY, MEDIAN NOSE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PAVEMENT MARKING	SHEET PM-4	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\024504_pm.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



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5. PAVEMENT MARKING EPOXY, LINE, 8-INCH (WHITE)
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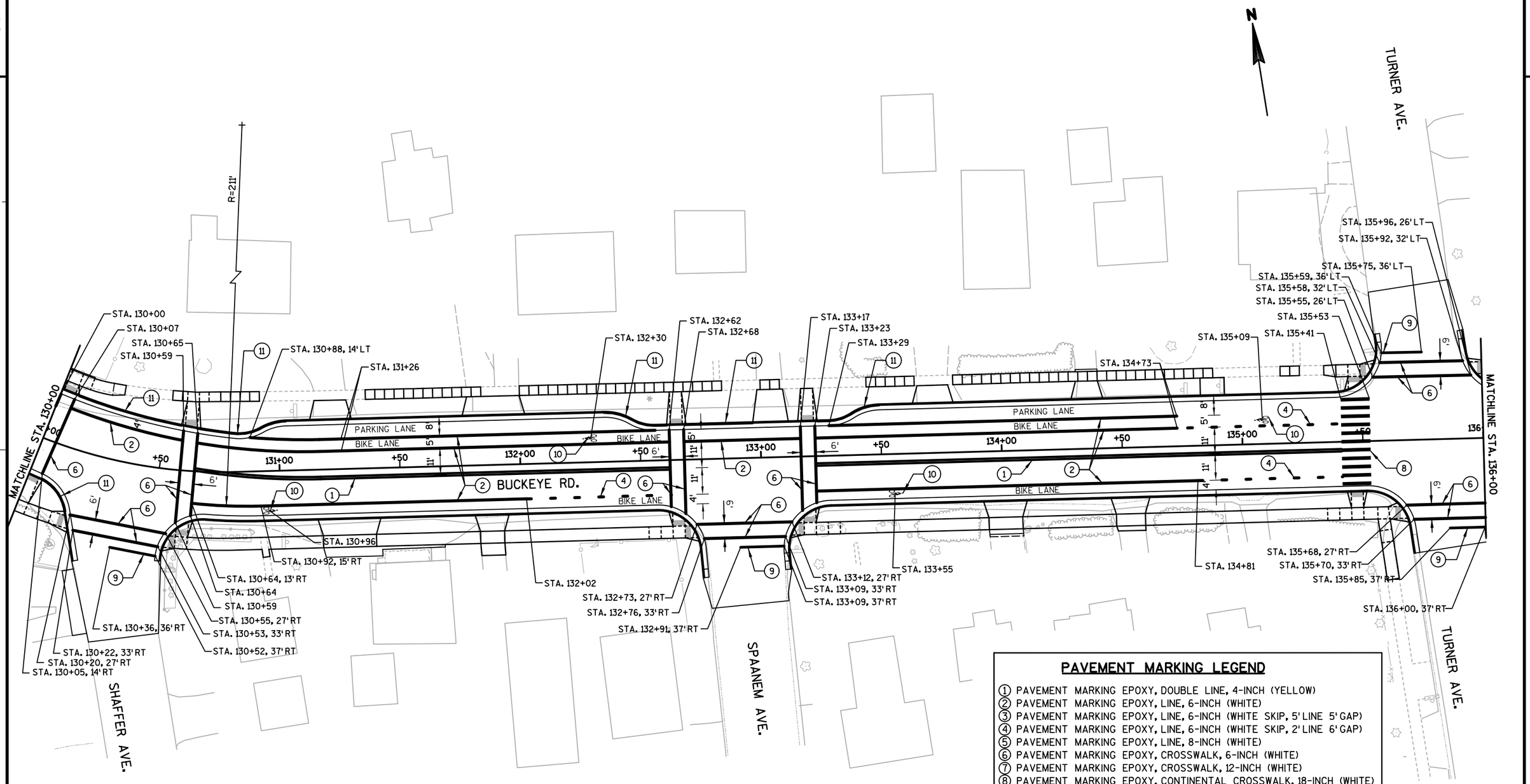
7. PAVEMENT MARKING EPOXY, CROSSWALK, 12-INCH (WHITE)
8. PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH (WHITE)
9. PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH (WHITE)
10. PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE (WHITE)
11. PAVEMENT MARKING EPOXY CURB EPOXY
12. PAVEMENT MARKING EPOXY, MEDIAN NOSE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PAVEMENT MARKING	SHEET PM-5	E

2



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7. PAVEMENT MARKING EPOXY, CROSSWALK, 12-INCH (WHITE)
8. PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH (WHITE)
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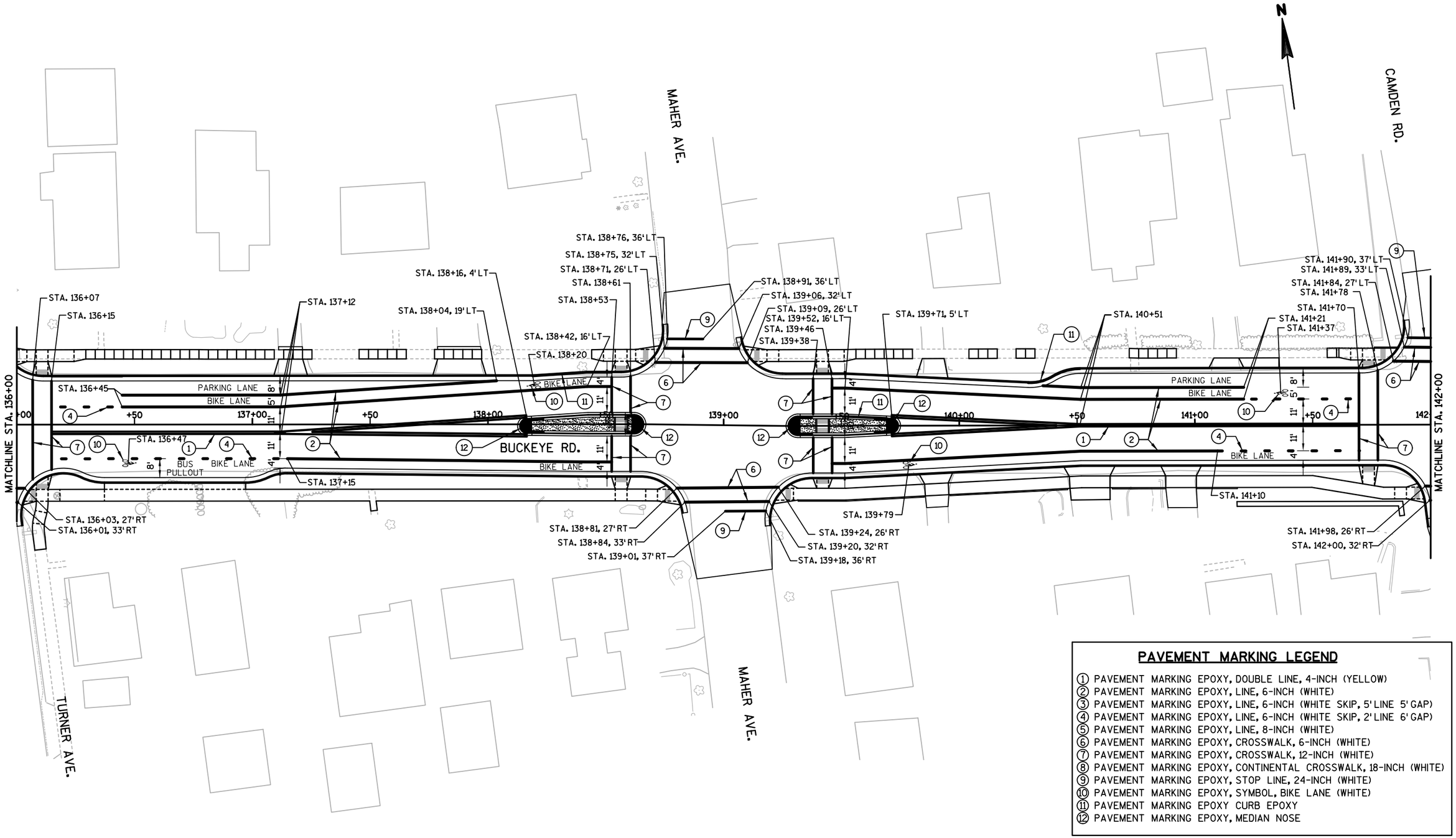
10. PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE (WHITE)
11. PAVEMENT MARKING EPOXY CURB EPOXY
12. PAVEMENT MARKING EPOXY, MEDIAN NOSE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PAVEMENT MARKING	SHEET PM-6	E

2



PAVEMENT MARKING LEGEND

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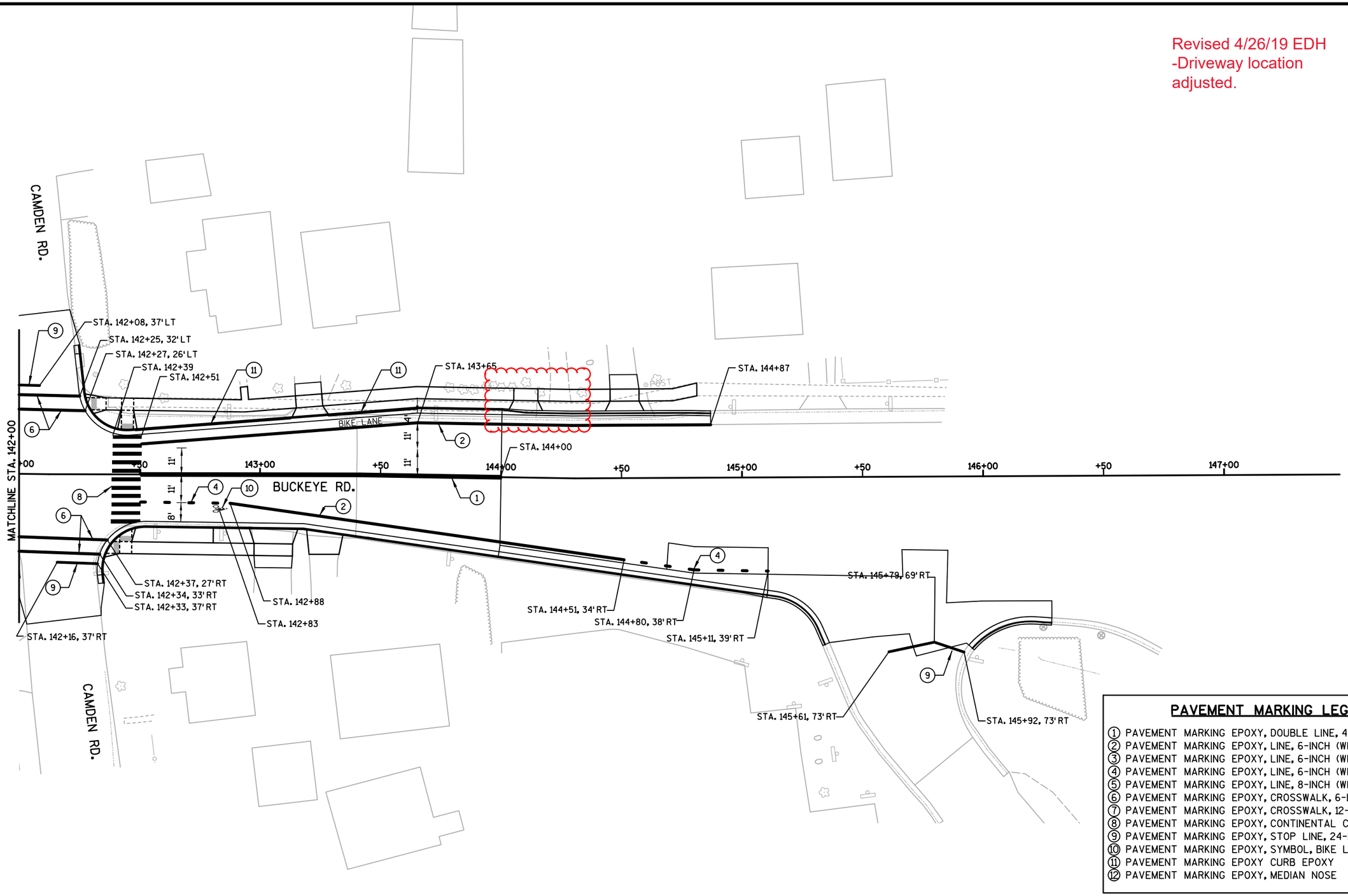
6. PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH (WHITE)
7. PAVEMENT MARKING EPOXY, CROSSWALK, 12-INCH (WHITE)
8. PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH (WHITE)
9. PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH (WHITE)
10. PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE (WHITE)
11. PAVEMENT MARKING EPOXY CURB EPOXY
12. PAVEMENT MARKING EPOXY, MEDIAN NOSE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PAVEMENT MARKING	SHEET PM-7	E

Revised 4/26/19 EDH
-Driveway location
adjusted.



PAVEMENT MARKING LEGEND

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7. PAVEMENT MARKING EPOXY, CROSSWALK, 12-INCH (WHITE)
8. PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH (WHITE)
9. PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH (WHITE)
10. PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE (WHITE)
11. PAVEMENT MARKING EPOXY CURB EPOXY
12. PAVEMENT MARKING EPOXY, MEDIAN NOSE

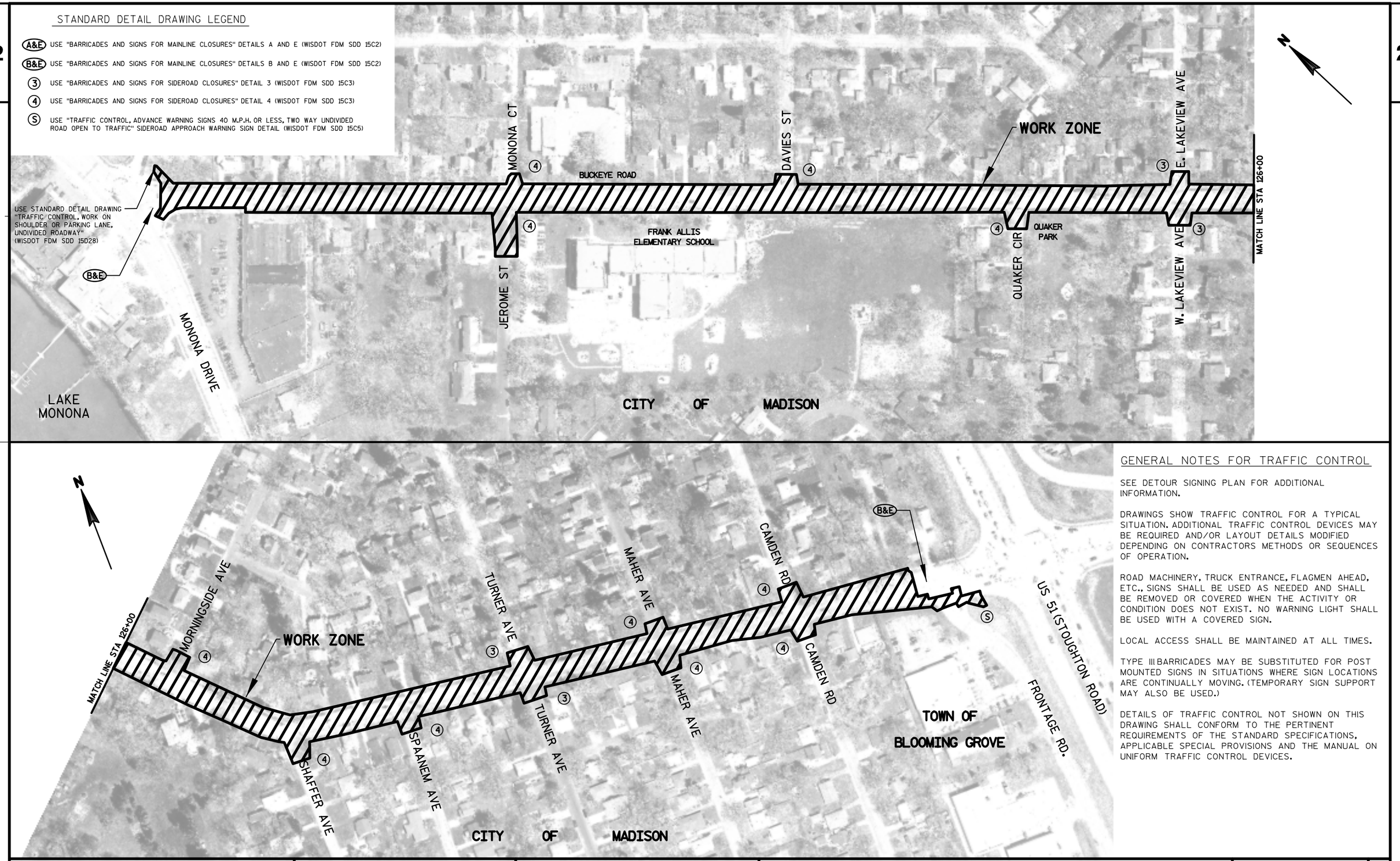
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PAVEMENT MARKING	SHEET PM-8	E

PAVEMENT MARKING EPOXY

CATEGORY	STATION - STATION	LOCATION	60801 DOUBLE LINE 4-INCH (YELLOW) LF	60802 LINE, 6-INCH (WHITE) LF	60802 LINE, 6-INCH (WHITE SKIP, 2'LINE, 6'GAP) LF	60803 LINE 8-INCH (WHITE) LF	60806 RADIUS LINE 6-INCH (WHITE SKIP, 5'LINE, 5'GAP) LF	60812 CROSSWALK 6-INCH LF	60814 CROSSWALK 12-INCH LF	60816 CONTINENTAL CROSSWALK 18-INCH LF	60818 STOP LINE 24-INCH LF	60819 CURB LF	60820 MEDIAN NOSE EACH	60823 SYMBOL BIKE LANE EACH
0010	100+00 - 109+50	RT/LT	755	1,920	46	115	140	280	41	48	43	70	---	3
	109+50 - 116+00	RT/LT	700	1,690	110	---	---	70	76	240	16	185	---	2
	116+00 - 123+00	RT/LT	600	1,930	34	---	---	230	---	---	16	40	---	3
	123+00 - 131+00	RT/LT	750	1,620	30	---	---	495	60	96	64	150	4	6
	131+00 - 138+00	RT/LT	725	1,320	80	---	---	350	80	130	49	100	---	4
	138+00 - 146+28	RT/LT	430	935	52	---	---	305	195	130	99	155	4	4
	TOTALS		3,960	9,415	352	115	140	1,730	452	644	287	700	8	22
	ITEM TOTALS			9,767										

STANDARD DETAIL DRAWING LEGEND

- (A&E) USE "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAILS A AND E (WISDOT FDM SDD 15C2)
- (B&E) USE "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAILS B AND E (WISDOT FDM SDD 15C2)
- (3) USE "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 3 (WISDOT FDM SDD 15C3)
- (4) USE "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 (WISDOT FDM SDD 15C3)
- (S) USE "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" SIDEROAD APPROACH WARNING SIGN DETAIL (WISDOT FDM SDD 15C5)



GENERAL NOTES FOR TRAFFIC CONTROL

SEE DETOUR SIGNING PLAN FOR ADDITIONAL INFORMATION.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTORS METHODS OR SEQUENCES OF OPERATION.

ROAD MACHINERY, TRUCK ENTRANCE, FLAGMEN AHEAD, ETC., SIGNS SHALL BE USED AS NEEDED AND SHALL BE REMOVED OR COVERED WHEN THE ACTIVITY OR CONDITION DOES NOT EXIST. NO WARNING LIGHT SHALL BE USED WITH A COVERED SIGN.

LOCAL ACCESS SHALL BE MAINTAINED AT ALL TIMES.

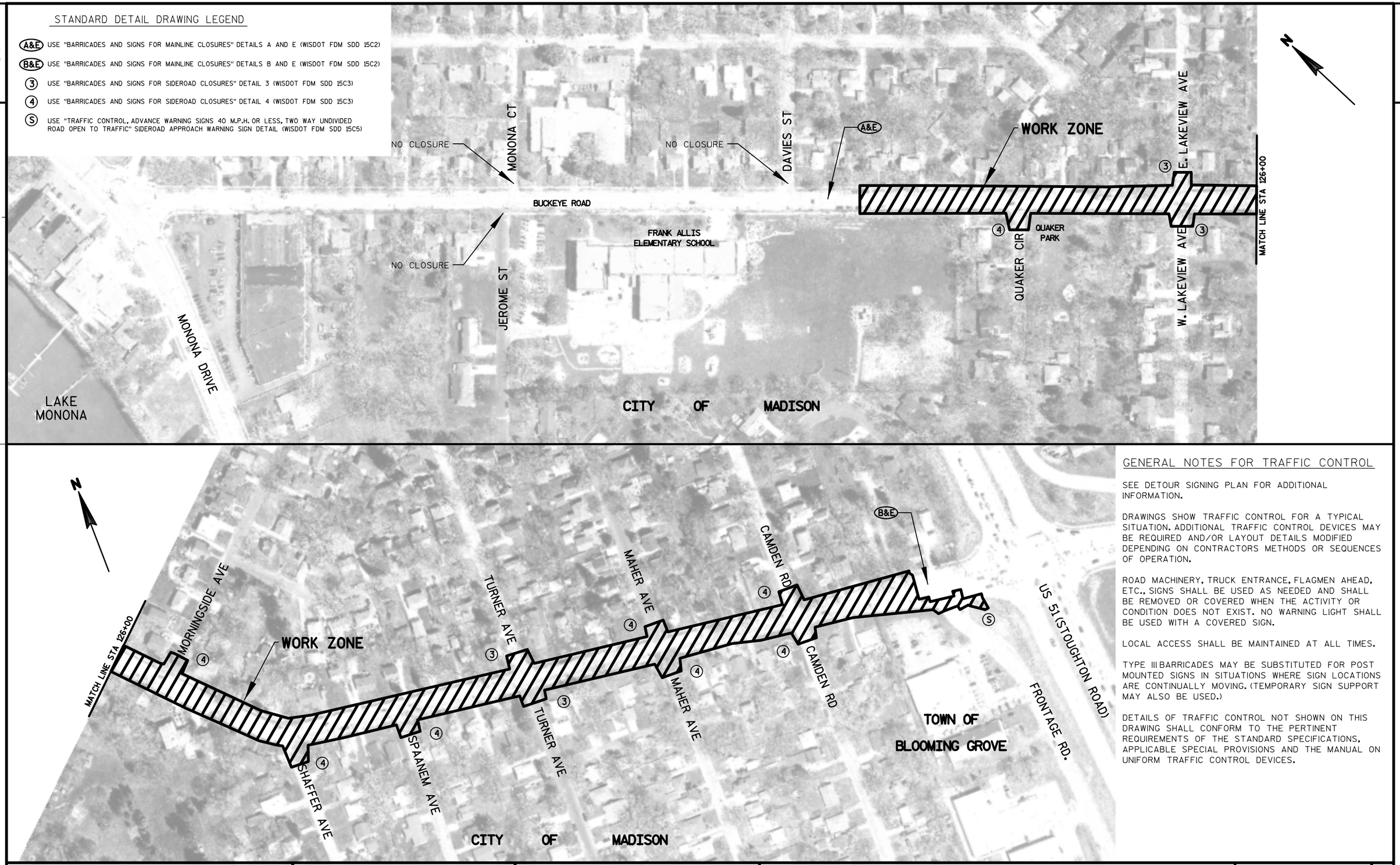
TYPE III BARRICADES MAY BE SUBSTITUTED FOR POST MOUNTED SIGNS IN SITUATIONS WHERE SIGN LOCATIONS ARE CONTINUALLY MOVING. (TEMPORARY SIGN SUPPORT MAY ALSO BE USED.)

DETAILS OF TRAFFIC CONTROL NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	ADVANCE WARNING SIGNING - STAGE 1	SHEET TC-1	E

STANDARD DETAIL DRAWING LEGEND

- (A&E) USE "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAILS A AND E (WISDOT FDM SDD 15C2)
- (B&E) USE "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAILS B AND E (WISDOT FDM SDD 15C2)
- (3) USE "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 3 (WISDOT FDM SDD 15C3)
- (4) USE "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 (WISDOT FDM SDD 15C3)
- (S) USE "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" SIDEROAD APPROACH WARNING SIGN DETAIL (WISDOT FDM SDD 15C5)



GENERAL NOTES FOR TRAFFIC CONTROL

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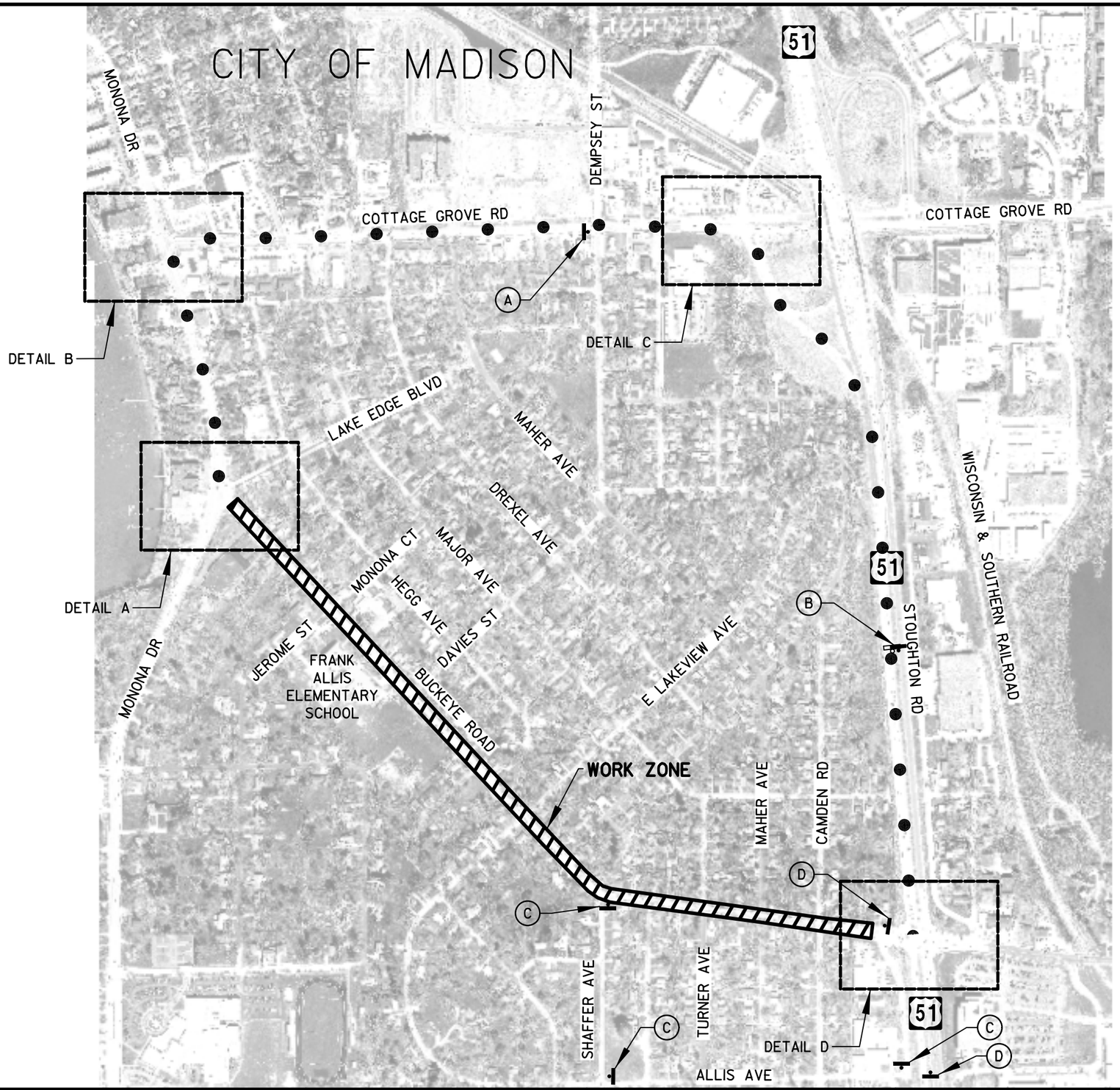
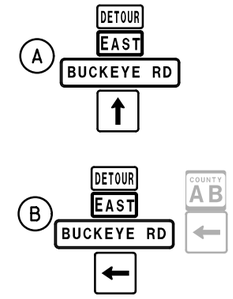
DETAILS OF TRAFFIC CONTROL NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

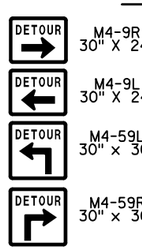
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	ADVANCE WARNING SIGNING - STAGE 2	SHEET TC-2	E

CITY OF MADISON



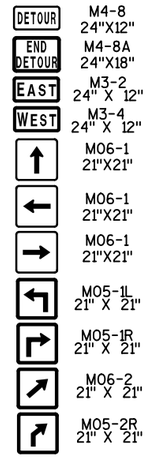


SIGN LEGEND



BUCKEYE RD

REFLECTIVE BACKGROUND
APPROX. SIZE 36" X 12"
BACKGROUND - ORANGE
MESSAGE - BLACK
5" SERIES C LETTERS



LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- EXISTING SIGN TO REMAIN
- EXISTING SIGN ON POLE
- WOOD POST WITH ATTACHED SIGN
- WOOD POSTS WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- 13 EXISTING SIGN (TYP.)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

ALL SIGNS SHOWN INCLUDED WITH TRAFFIC CONTROL LUMP SUM.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ANY SIGN TEMPORARY OR EXISTING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

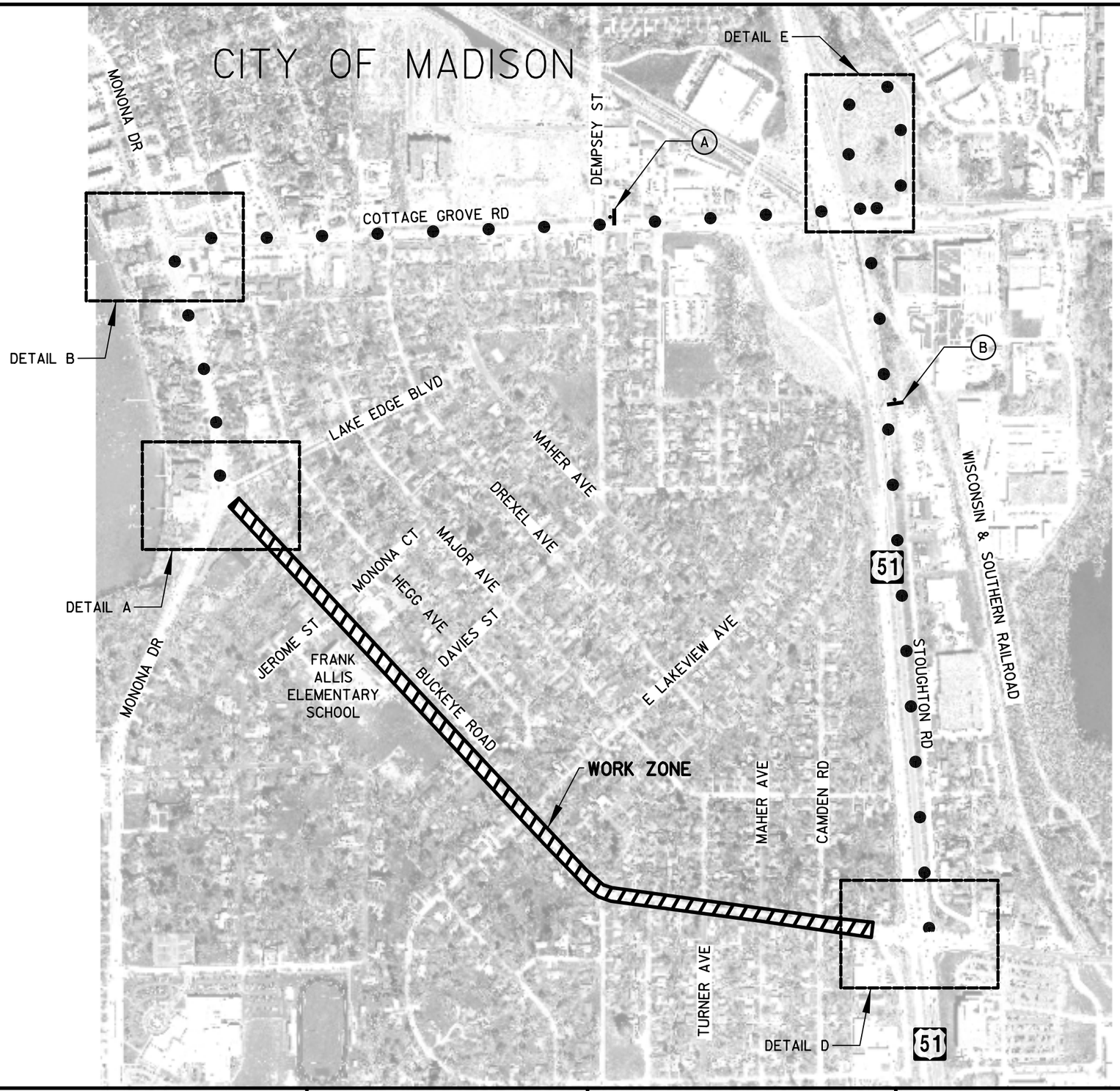
ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EASTBOUND DETOUR SIGNING OVERVIEW	SHEET TC-3	E

2

CITY OF MADISON

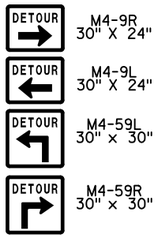


N

A

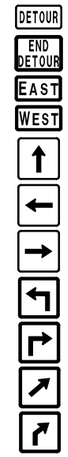
B

SIGN LEGEND



M4-9R 30" X 24"
M4-9L 30" X 24"
M4-59L 30" X 30"
M4-59R 30" X 30"

REFLECTIVE BACKGROUND
APPROX. SIZE 36" X 12"
BACKGROUND - ORANGE
MESSAGE - BLACK
5" SERIES C LETTERS



M4-8 24"X12"
M4-8A 24"X18"
M3-2 24" X 12"
M3-4 24" X 12"
M06-1 21"X21"
M06-1 21"X21"
M06-1 21"X21"
M05-1L 21" X 21"
M05-1R 21" X 21"
M06-2 21" X 21"
M05-2R 21" X 21"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- EXISTING SIGN TO REMAIN
- EXISTING SIGN ON POLE
- WOOD POST WITH ATTACHED SIGN
- WOOD POSTS WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- 13 EXISTING SIGN (TYP.)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

ALL SIGNS SHOWN INCLUDED WITH TRAFFIC CONTROL LUMP SUM.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

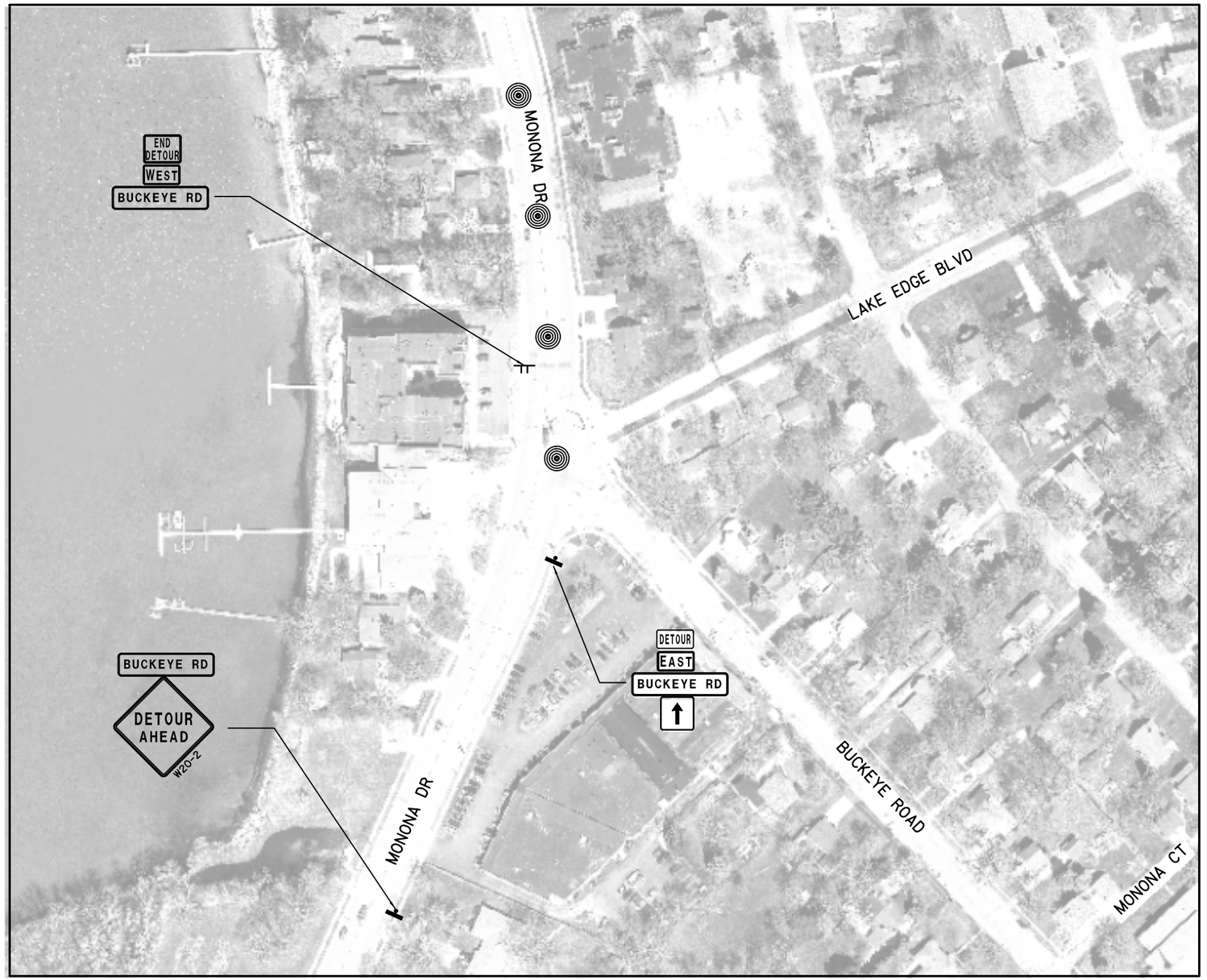
ANY SIGN TEMPORARY OR EXISTING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WESTBOUND DETOUR SIGNING OVERVIEW	SHEET TC-4	E

CITY OF MADISON



DETAIL A

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"
DETOUR ←	M4-9L 30" X 24"
DETOUR ↰	M4-59L 30" x 30"
DETOUR ↱	M4-59R 30" x 30"
BUCKEYE RD	REFLECTIVE BACKGROUND APPROX. SIZE 36" X 12" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS

DETOUR	M4-8 24"X12"
END DETOUR	M4-8A 24"X18"
EAST	M3-2 24" X 12"
WEST	M3-4 24" X 12"
↑	M06-1 21"X21"
←	M06-1 21"X21"
→	M06-1 21"X21"
↰	M05-1L 21" X 21"
↱	M05-1R 21" X 21"
↗	M06-2 21" X 21"
↱	M05-2R 21" X 21"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- EXISTING SIGN TO REMAIN
- EXISTING SIGN ON POLE
- WOOD POST WITH ATTACHED SIGN
- WOOD POSTS WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- 13 EXISTING SIGN (TYP.)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

ALL SIGNS SHOWN INCLUDED WITH TRAFFIC CONTROL LUMP SUM.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ANY SIGN TEMPORARY OR EXISTING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

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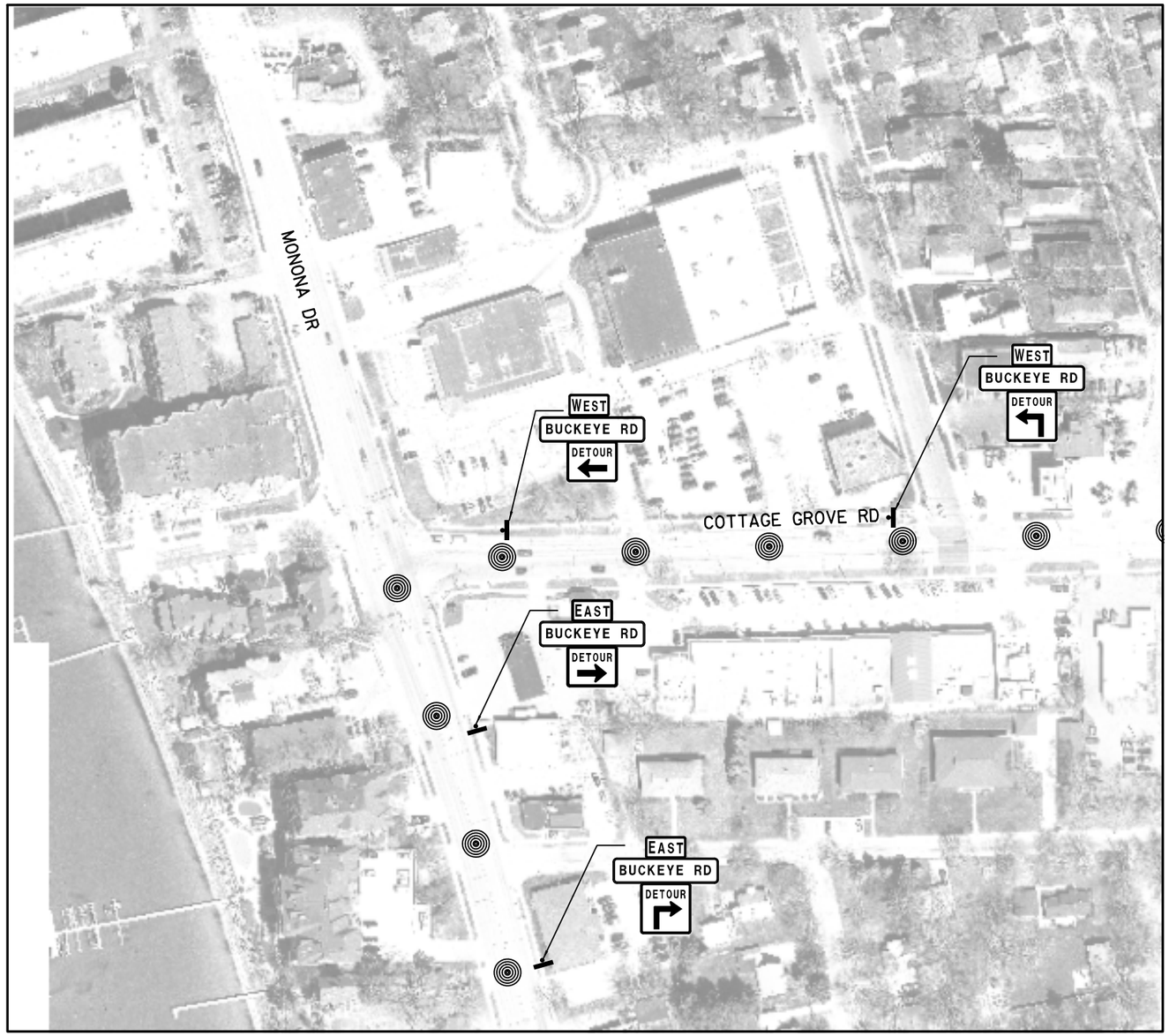
CITY OF MADISON



DETAIL B

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"
DETOUR ←	M4-9L 30" X 24"
DETOUR ↰	M4-59L 30" x 30"
DETOUR ↱	M4-59R 30" x 30"
BUCKEYE RD	REFLECTIVE BACKGROUND APPROX. SIZE 36" X 12" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS

DETOUR	M4-8 24"X12"
END DETOUR	M4-8A 24"X18"
EAST	M3-2 24" X 12"
WEST	M3-4 24" X 12"
↑	M06-1 21"X21"
←	M06-1 21"X21"
→	M06-1 21"X21"
↰	M05-1L 21" X 21"
↱	M05-1R 21" X 21"
↗	M06-2 21" X 21"
↱	M05-2R 21" X 21"

LEGEND

- ●●● DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- EXISTING SIGN TO REMAIN
- EXISTING SIGN ON POLE
- WOOD POST WITH ATTACHED SIGN
- WOOD POSTS WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- 13 EXISTING SIGN (TYP.)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

ALL SIGNS SHOWN INCLUDED WITH TRAFFIC CONTROL LUMP SUM.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ANY SIGN TEMPORARY OR EXISTING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

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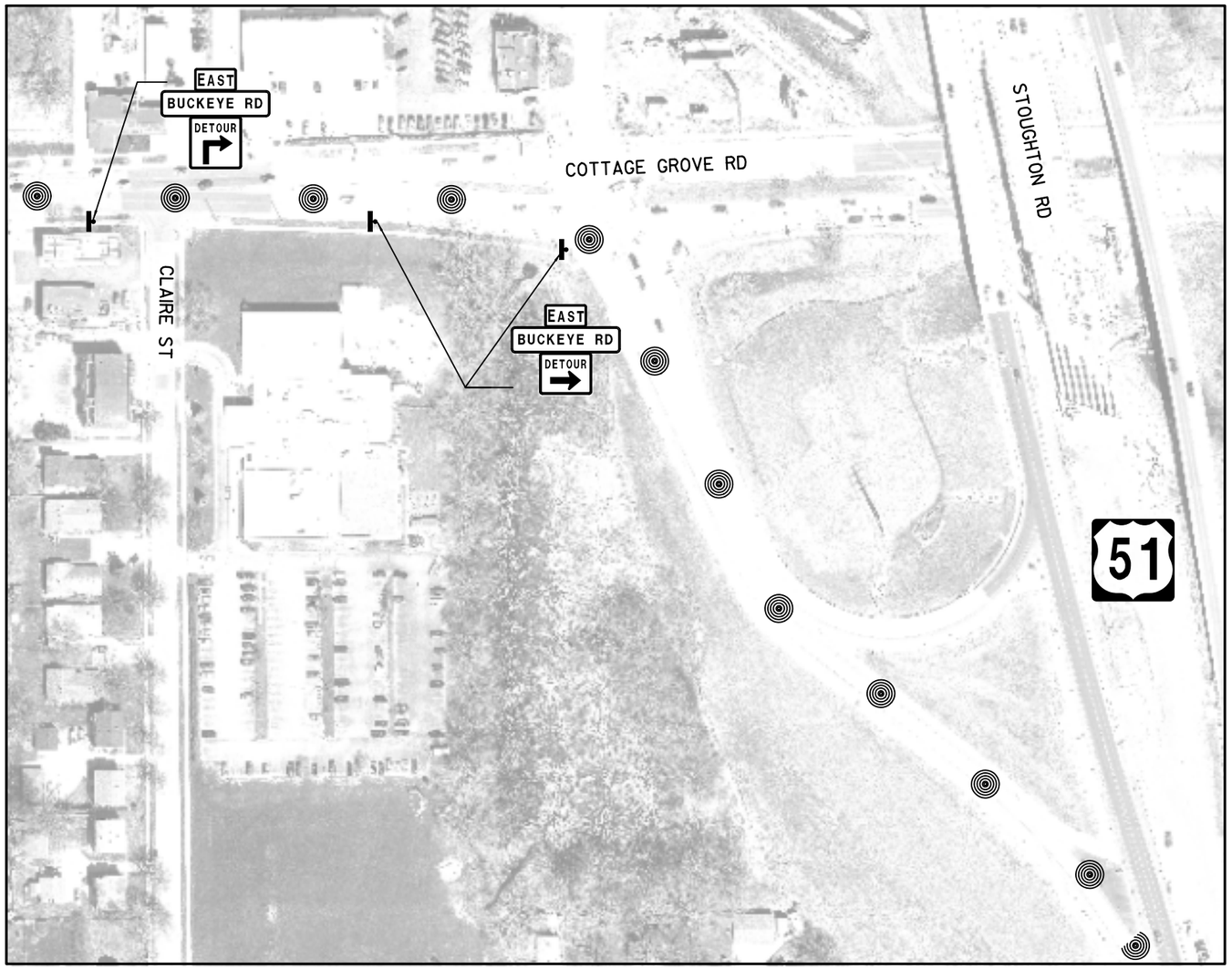
CITY OF MADISON



DETAIL C

EASTBOUND

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"
DETOUR ←	M4-9L 30" X 24"
DETOUR ↰	M4-59L 30" x 30"
DETOUR ↱	M4-59R 30" x 30"
BUCKEYE RD	REFLECTIVE BACKGROUND APPROX. SIZE 36" X 12" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS

DETOUR	M4-8 24"X12"
END DETOUR	M4-8A 24"X18"
EAST	M3-2 24" X 12"
WEST	M3-4 24" X 12"
↑	M06-1 21"X21"
←	M06-1 21"X21"
→	M06-1 21"X21"
↰	M05-1L 21" X 21"
↱	M05-1R 21" X 21"
↗	M06-2 21" X 21"
↱	M05-2R 21" X 21"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- EXISTING SIGN TO REMAIN
- EXISTING SIGN ON POLE
- WOOD POST WITH ATTACHED SIGN
- WOOD POSTS WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- 13 EXISTING SIGN (TYP.)

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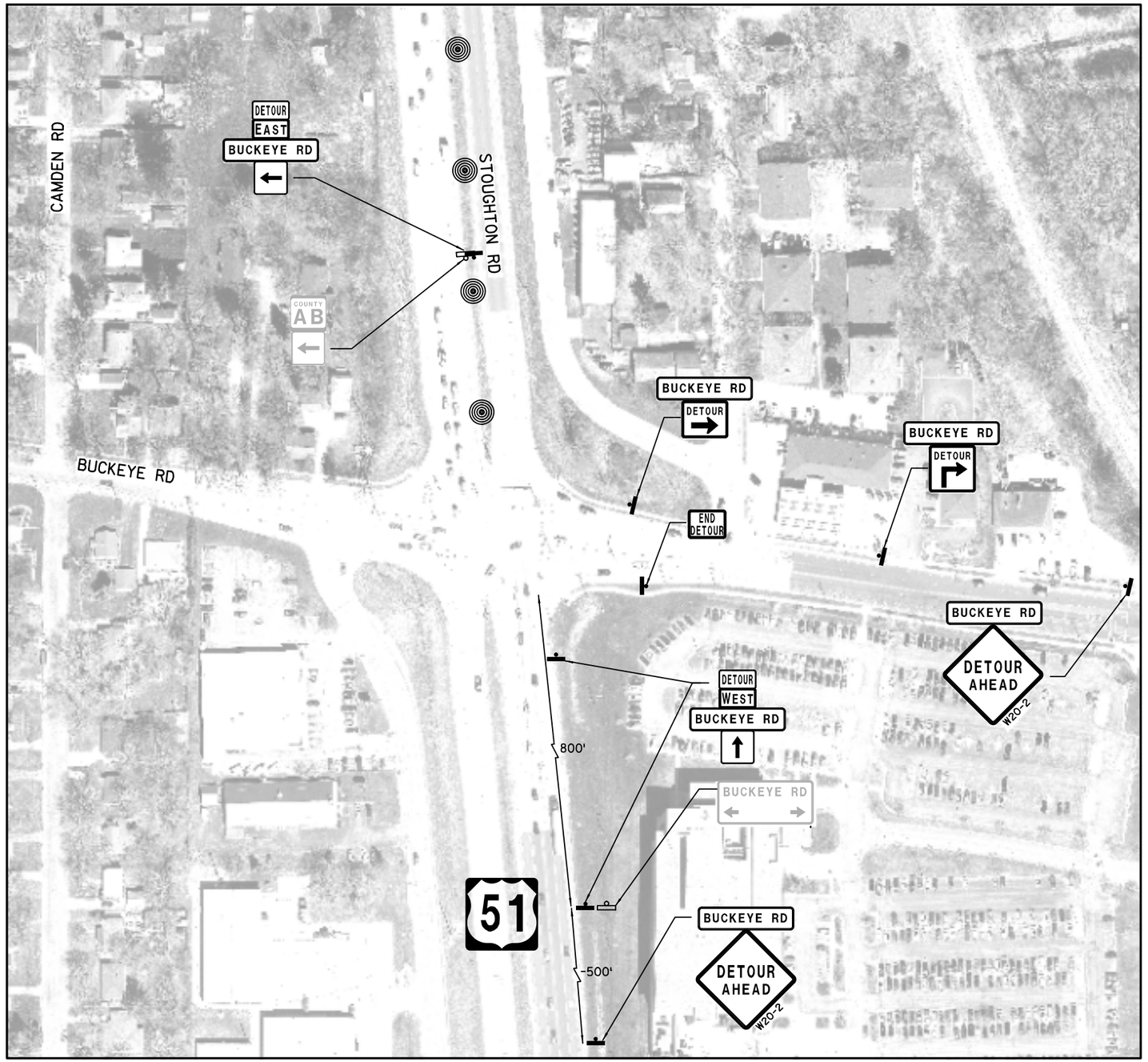
CITY OF MADISON



DETAIL D

N

SIGN LEGEND

DETOUR → M4-9R	30" X 24"
DETOUR ← M4-9L	30" X 24"
DETOUR ↰ M4-59L	30" x 30"
DETOUR ↱ M4-59R	30" x 30"
BUCKEYE RD	REFLECTIVE BACKGROUND APPROX. SIZE 36" X 12" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS

DETOUR M4-8	24"X12"
END DETOUR M4-8A	24"X18"
EAST M3-2	24" X 12"
WEST M3-4	24" X 12"
↑ M06-1	21"X21"
← M06-1	21"X21"
→ M06-1	21"X21"
↰ M05-1L	21" X 21"
↱ M05-1R	21" X 21"
↗ M06-2	21" X 21"
↱ M05-2R	21" X 21"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- EXISTING SIGN TO REMAIN
- EXISTING SIGN ON POLE
- WOOD POST WITH ATTACHED SIGN
- WOOD POSTS WITH ATTACHED SIGN
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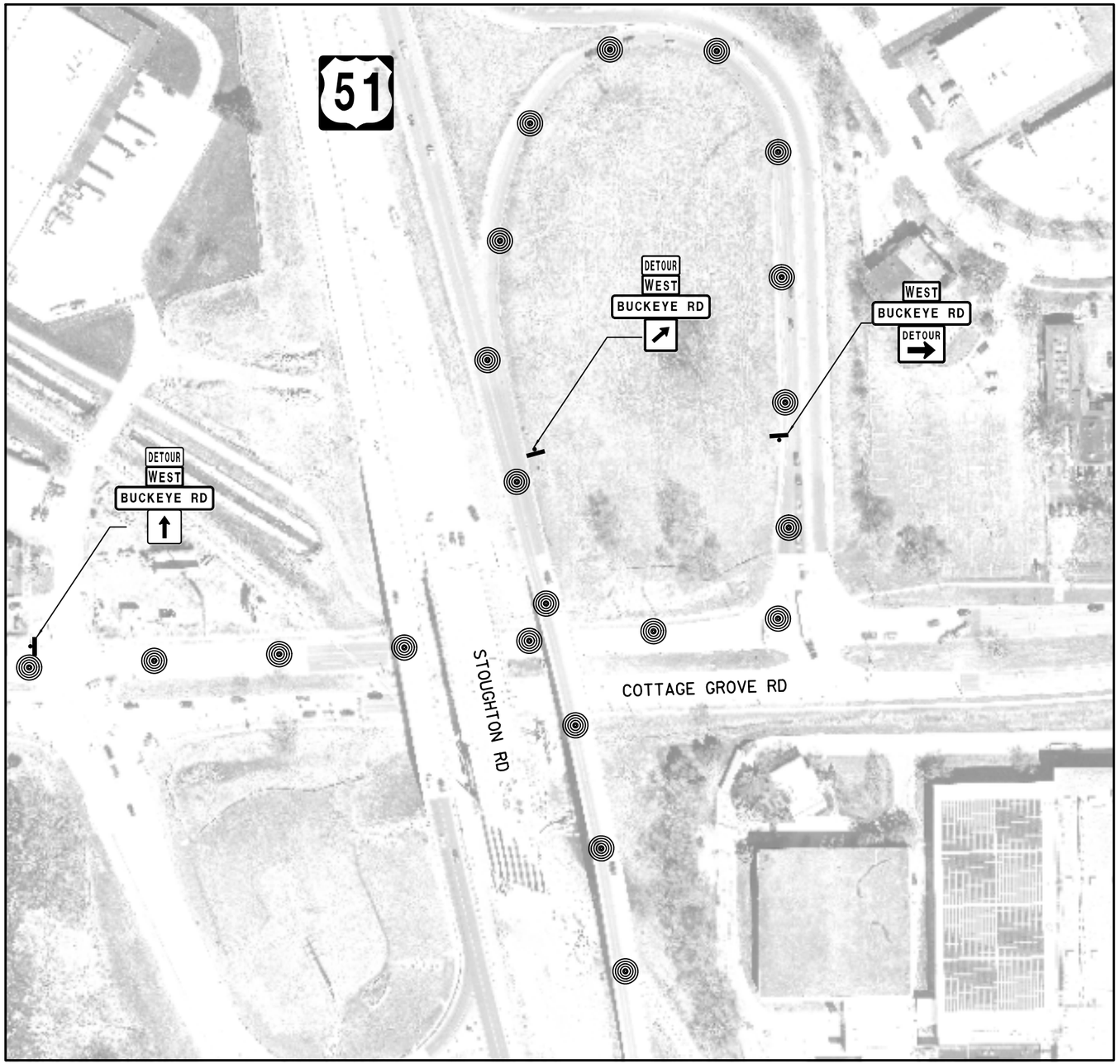
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	DETOUR SIGNING	SHEET TC-8	E

CITY OF MADISON



DETAIL E

WESTBOUND

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"
DETOUR ←	M4-9L 30" X 24"
DETOUR ↰	M4-59L 30" x 30"
DETOUR ↱	M4-59R 30" x 30"
BUCKEYE RD	REFLECTIVE BACKGROUND APPROX. SIZE 36" X 12" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS

DETOUR	M4-8 24"X12"
END DETOUR	M4-8A 24"X18"
EAST	M3-2 24" X 12"
WEST	M3-4 24" X 12"
↑	M06-1 21"X21"
←	M06-1 21"X21"
→	M06-1 21"X21"
↰	M05-1L 21" X 21"
↱	M05-1R 21" X 21"
↗	M06-2 21" X 21"
↱	M05-2R 21" X 21"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- EXISTING SIGN TO REMAIN
- EXISTING SIGN ON POLE
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GENERAL NOTES

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ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	DETOUR SIGNING	SHEET TC-9	E

TRAFFIC CONTROL

TRAFFIC CONTROL OPERATIONS	DURATION (DAYS)	ITEMS INCLUDED WITH LUMP SUM								10721	
		TRAFFIC CONTROL DRUMS		TYPE III BARRICADE		TRAFFIC CONTROL WARNING LIGHTS TYPE A		TRAFFIC CONTROL SIGNS		TRAFFIC CONTROL SIGN - PORTABLE CHANGEABLE MESSAGE	
		EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY
STAAGE 1/PROJECT PRE-WARNING	14	12	168	---	---	---	---	---	---	2	28
STAGE 2 PRE-WARNING	7	6	42	---	---	---	---	---	---	1	7
STAGE 1	76	50	3,800	65	4,940	58	4,408	75	5,700	---	---
STAGE 2	76	50	3,800	77	5,852	70	5,320	89	6,764	---	---
DETOUR	151	---	---	---	---	---	---	76	11,476	---	---
TOTALS			7,810		10,792		9,728		23,940		35

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	TRAFFIC CONTROL/DETOUR MISCELLANEOUS QUANTITIES	SHEET TC-10	E

Buckeye Road		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
103+00		104.0	0.0	4.6	5.0	0	0	0	0	0	0	0
103+50	50	93.4	0.0	5.0	4.4	183	0	9	9	183	11	163
103+68	18	101.1	0.0	5.0	4.8	65	0	3	3	248	15	221
104+00	32	101.7	0.0	6.2	4.8	120	0	7	6	368	24	327
104+41	41	119.7	0.0	4.6	5.7	168	0	8	8	536	34	477
104+50	9	111.8	0.0	4.9	5.3	39	0	2	2	574	36	511
104+89	39	103.4	0.0	5.8	4.9	155	0	8	7	730	45	650
105+00	11	80.8	0.0	7.4	3.8	38	0	3	2	767	49	682
105+21	21	76.4	0.0	7.0	3.6	61	0	6	3	829	56	733
105+50	29	75.3	0.0	6.3	3.6	81	0	7	4	910	65	802
105+86	36	104.3	0.0	5.7	5.0	120	0	8	6	1,030	75	906
106+00	14	97.8	0.0	5.8	4.7	52	0	3	2	1,082	79	952
106+50	50	106.4	0.0	5.1	5.1	189	0	10	9	1,271	91	1,120
106+69	19	119.1	0.0	4.6	5.7	79	0	3	4	1,351	95	1,191
107+00	31	111.8	0.0	4.7	5.3	133	0	5	6	1,483	102	1,311
107+40	40	81.2	0.0	6.6	3.9	143	0	8	7	1,626	113	1,436
107+50	10	72.5	0.0	9.0	3.5	28	0	3	1	1,655	116	1,460
108+00	50	61.0	0.0	13.3	2.9	124	0	21	6	1,778	142	1,552
108+14	14	60.0	0.0	11.3	2.9	31	0	6	1	1,810	150	1,574
108+50	36	55.6	0.0	13.7	2.6	77	0	17	4	1,887	171	1,626
JEROME ST.	---	---	---	---	---	448	0	0	21	2,335	171	2,053
109+00	50	52.2	0.0	4.6	2.5	100	0	17	5	2,434	192	2,127
MONONA CT.	---	---	---	---	---	82	0	0	4	2,516	192	2,205
109+50	50	78.7	0.0	5.6	3.7	121	0	9	6	2,638	204	2,308
109+67	17	78.9	0.0	5.2	3.8	50	0	3	2	2,687	208	2,351
110+00	33	80.1	0.0	5.1	3.8	97	0	6	5	2,784	216	2,436
110+50	50	83.3	0.0	5.0	4.0	151	0	9	7	2,936	228	2,568
111+00	50	84.2	0.0	5.0	4.0	155	0	9	7	3,091	239	2,704
111+50	50	91.2	0.0	4.9	4.3	162	0	9	8	3,253	251	2,848
112+00	50	68.3	0.0	9.4	3.3	148	0	13	7	3,401	267	2,972
112+32	32	96.1	0.0	4.6	4.6	97	0	8	5	3,498	278	3,054
112+50	18	87.6	0.0	5.2	4.2	61	0	3	3	3,560	282	3,108
113+00	50	100.2	0.0	4.6	4.8	174	0	9	8	3,733	293	3,263
113+05	5	101.6	0.0	4.6	4.8	19	0	1	1	3,752	294	3,279
113+50	45	98.9	0.0	5.1	4.7	167	0	8	8	3,919	304	3,428
113+64	14	103.7	0.0	4.6	4.9	53	0	3	3	3,972	307	3,475
114+00	36	100.4	0.0	4.8	4.8	136	0	6	6	4,108	315	3,597
114+30	30	104.8	0.0	4.6	5.0	114	0	5	5	4,222	322	3,699
114+50	20	103.9	0.0	4.8	4.9	77	0	3	4	4,299	326	3,768
115+00	50	77.9	0.0	4.6	3.7	168	0	9	8	4,467	337	3,918

CON'T PREVIOUS SHEET

Buckeye Road		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
DAVIES ST.	---	---	---	---	---	163	0	0	8	4,630	337	4,073
115+50	50	82.5	0.0	4.6	3.9	148	0	9	7	4,778	348	4,203
116+00	50	90.9	0.0	4.6	4.3	161	0	9	8	4,939	358	4,346
116+50	50	86.5	0.0	4.6	4.1	164	0	9	8	5,103	369	4,491
117+00	50	94.6	0.0	5.3	4.5	168	0	9	8	5,271	380	4,640
117+50	50	104.1	0.0	5.3	5.0	184	0	10	9	5,455	393	4,802
117+65	15	109.1	0.0	4.6	5.2	59	0	3	3	5,514	396	4,855
118+00	35	101.2	0.0	6.1	4.8	136	0	7	6	5,650	405	4,977
118+41	41	110.8	0.0	4.6	5.3	161	0	8	8	5,811	415	5,120
118+50	9	105.5	0.0	5.4	5.0	36	0	2	2	5,847	417	5,152
118+62	12	113.9	0.0	4.6	5.4	49	0	2	2	5,896	420	5,196
119+00	38	106.3	0.0	4.6	5.1	155	0	6	7	6,051	428	5,335
119+42	42	112.9	0.0	4.6	5.4	170	0	7	8	6,222	437	5,489
119+50	8	108.8	0.0	4.6	5.2	33	0	1	2	6,255	438	5,518
119+69	19	117.8	0.0	4.6	5.6	80	0	3	4	6,334	443	5,590
120+00	31	117.9	0.0	4.6	5.6	135	0	5	6	6,470	449	5,712
120+50	50	88.7	0.0	4.7	4.2	191	0	9	9	6,661	460	5,884
QUAKER CIR.	---	---	---	---	---	199	0	0	9	6,860	460	6,073
121+00	50	95.1	0.0	4.6	4.5	170	0	9	8	7,030	471	6,225
121+50	50	97.5	0.0	5.0	4.6	178	0	9	8	7,208	482	6,383
121+62	12	106.2	0.0	4.9	5.1	45	0	2	2	7,253	484	6,424
121+71	9	108.7	0.0	4.6	5.2	36	0	2	2	7,289	486	6,456
122+00	29	114.0	0.0	4.6	5.4	120	0	5	6	7,409	493	6,564
122+50	50	109.1	0.0	5.2	5.2	207	0	9	10	7,615	504	6,749
122+73	23	113.6	0.0	7.2	5.4	95	0	5	5	7,710	510	6,833
123+00	27	106.5	0.0	8.0	5.1	110	0	8	5	7,820	520	6,928
123+15	15	124.9	0.0	4.7	5.9	64	0	4	3	7,884	524	6,985
123+50	35	101.2	0.0	17.1	4.8	147	0	14	7	8,031	542	7,106
123+96	46	108.6	0.0	4.6	5.2	179	0	19	9	8,210	565	7,254
124+00	4	107.9	0.0	4.6	5.1	16	0	1	1	8,226	566	7,268
LAKEVIEW AVE.	---	---	---	---	---	319	0	0	15	8,544	566	7,571
124+50	50	81.8	0.0	4.6	3.9	176	0	9	8	8,720	577	7,728
125+00	50	141.0	0.0	4.7	6.7	206	0	9	10	8,926	588	7,914
125+50	50	158.2	0.0	4.6	7.5	277	0	9	13	9,203	598	8,167
126+00	50	144.8	0.0	5.3	6.9	281	0	9	13	9,484	610	8,423
126+50	50	122.8	0.0	5.7	5.8	248	0	10	12	9,732	622	8,646
127+00	50	117.9	0.0	4.6	5.6	223	0	10	11	9,955	634	8,846
MORNINGSIDE AVE.	---	---	---	---	---	171	0	0	8	10,125	634	9,009
127+50	50	88.9	0.0	4.6	4.2	192	0	9	9	10,317	645	9,181
127+70	20	140.9	0.0	6.2	6.7	85	0	4	4	10,402	650	9,257

CON'T PREVIOUS SHEET

Buckeye Road		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
128+00	30	97.4	0.0	7.8	4.6	132	0	8	6	10,534	660	9,373
128+20	20	109.1	0.0	7.4	5.2	76	0	6	4	10,611	667	9,439
128+48	28	109.6	0.0	6.5	5.2	113	0	7	5	10,724	676	9,538
128+50	2	108.1	0.0	6.5	5.1	8	0	0	0	10,732	676	9,545
128+89	39	108.8	0.0	5.5	5.2	157	0	9	7	10,889	687	9,683
129+00	11	100.3	0.0	6.6	4.8	43	0	2	2	10,931	690	9,721
129+50	50	108.4	0.0	6.0	5.2	193	0	12	9	11,125	705	9,890
129+66	16	119.5	0.0	5.3	5.7	68	0	3	3	11,192	709	9,950
130+00	34	94.6	0.0	4.6	4.5	135	0	6	6	11,327	717	10,071
SHAFFER AVE.	---	---	---	---	---	228	0	0	11	11,555	717	10,288
130+50	50	87.3	0.0	4.9	4.2	168	0	9	8	11,724	728	10,438
130+93	43	95.3	0.0	6.1	4.5	145	0	9	7	11,869	739	10,565
131+00	7	99.8	0.0	5.1	4.8	25	0	1	1	11,894	740	10,588
131+22	22	119.2	0.0	4.6	5.7	89	0	4	4	11,984	745	10,668
131+29	7	109.7	0.0	5.9	5.2	30	0	1	1	12,013	747	10,694
131+50	21	93.8	0.0	6.5	4.5	79	0	5	4	12,092	753	10,764
131+88	38	117.2	0.0	4.6	5.6	149	0	8	7	12,241	763	10,895
132+00	12	102.4	0.0	5.6	4.9	49	0	2	2	12,290	766	10,939
132+50	50	87.5	0.0	7.2	4.2	176	0	12	8	12,466	780	11,092
SPAANEW AVE.	---	---	---	---	---	176	0	0	8	12,641	780	11,259
133+00	50	92.3	0.0	4.6	4.4	167	0	11	8	12,808	794	11,404
133+50	50	104.3	0.0	5.0	5.0	182	0	9	9	12,990	805	11,566
133+72	22	109.6	0.0	5.2	5.2	87	0	4	4	13,077	810	11,644
134+00	28	116.8	0.0	6.1	5.6	117	0	6	6	13,195	818	11,749
134+36	36	120.7	0.0	4.9	5.7	158	0	7	8	13,353	827	11,890
134+50	14	128.8	0.0	5.0	6.1	65	0	3	3	13,418	830	11,949
135+00	50	123.7	0.0	4.9	5.9	234	0	9	11	13,651	841	12,160
135+06	6	121.6	0.0	5.6	5.8	27	0	1	1	13,679	843	12,184
135+50	44	83.5	0.0	4.6	4.0	167	0	8	8	13,846	853	12,333
TURNER AVE.	---	---	---	---	---	300	0	0	14	14,145	853	12,619
136+00	50	79.0	0.0	4.6	3.8	150	0	9	7	14,296	864	12,751
136+50	50	101.4	0.0	5.1	4.8	167	0	9	8	14,463	875	12,899
137+00	50	98.9	0.0	5.4	4.7	186	0	10	9	14,648	887	13,064
137+17	17	96.5	0.0	6.1	4.6	62	0	4	3	14,710	892	13,118
137+50	33	84.4	0.0	8.8	4.0	111	0	9	5	14,820	903	13,212
137+87	37	88.9	0.0	5.5	4.2	119	0	10	6	14,939	915	13,312
138+00	13	81.4	0.0	7.4	3.9	41	0	3	2	14,980	919	13,348
138+50	50	57.9	0.0	4.6	2.8	129	0	11	6	15,109	933	13,456
MAHER AVE.	---	---	---	---	---	325	0	0	15	15,434	933	13,766
139+00	50	63.6	0.0	4.6	3.0	113	0	9	5	15,547	944	13,863

CON'T PREVIOUS SHEET

Buckeye Road		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
139+50	50	107.7	0.0	4.6	5.1	159	0	9	8	15,706	955	14,003
139+90	40	115.3	0.0	4.6	5.5	165	0	7	8	15,871	963	14,152
140+00	10	103.5	0.0	7.3	4.9	41	0	2	2	15,911	966	14,188
140+50	50	114.3	0.0	4.6	5.4	202	0	11	10	16,113	980	14,366
140+56	6	114.5	0.0	4.6	5.5	25	0	1	1	16,138	981	14,389
140+94	38	109.9	0.0	4.6	5.2	158	0	6	8	16,296	989	14,531
141+00	6	109.3	0.0	4.7	5.2	24	0	1	1	16,321	990	14,553
141+13	13	105.1	0.0	7.2	5.0	52	0	3	2	16,372	994	14,599
141+21	8	98.2	0.0	7.2	4.7	30	0	2	1	16,402	996	14,625
141+50	29	111.4	0.0	5.6	5.3	113	0	7	5	16,515	1,005	14,724
142+00	50	68.6	0.0	4.6	3.3	167	0	9	8	16,682	1,017	14,871
CAMDEN RD.	---	---	---	---	---	370	0	0	18	17,052	1,017	15,223
142+50	50	75.3	0.0	4.6	3.6	133	0	9	6	17,185	1,027	15,340
142+93	43	103.4	0.0	5.7	4.9	142	0	8	7	17,328	1,038	15,465
143+00	7	117.4	0.0	4.7	5.6	29	0	1	1	17,356	1,039	15,490
143+06	6	118.2	0.0	4.6	5.6	26	0	1	1	17,382	1,041	15,514
143+20	14	119.8	0.0	6.9	5.7	62	0	3	3	17,444	1,044	15,569
143+27	7	118.0	0.0	5.0	5.6	31	0	2	1	17,475	1,046	15,596
143+50	23	124.8	39.5	4.7	5.9	103	17	4	5	17,578	1,051	15,673
144+00	50	136.8	44.3	4.8	6.5	242	78	9	12	17,821	1,062	15,815
144+24	24	36.0	3.0	4.6	1.7	77	21	4	4	17,897	1,068	15,862
144+50	26	38.7	3.0	4.6	1.8	36	3	4	2	17,933	1,073	15,888
144+87	37	14.5	4.4	4.6	0.7	36	5	6	2	17,970	1,081	15,910
				COLUMN TOTALS		17,970	123	865	856			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 5% OF CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALAVGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

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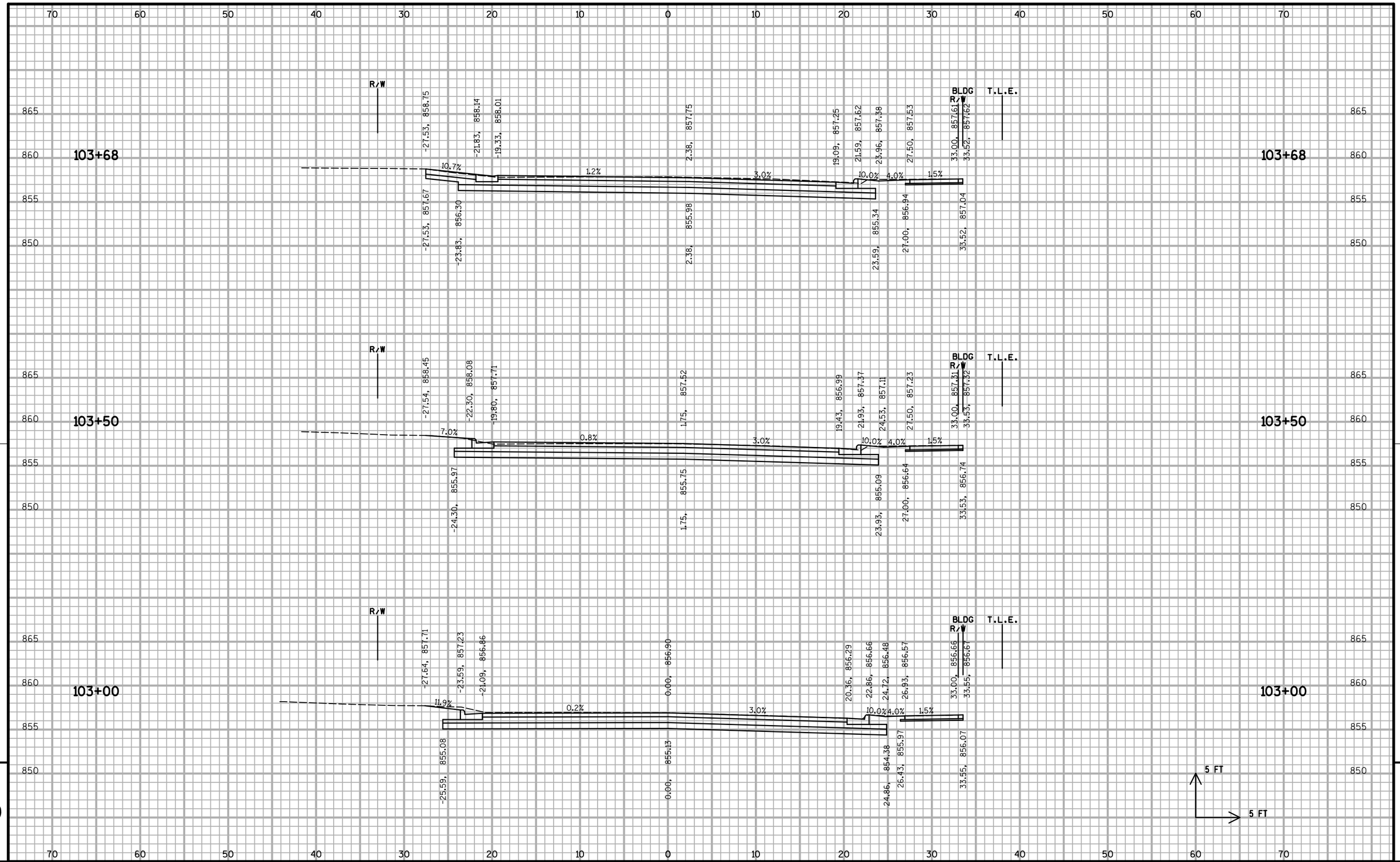
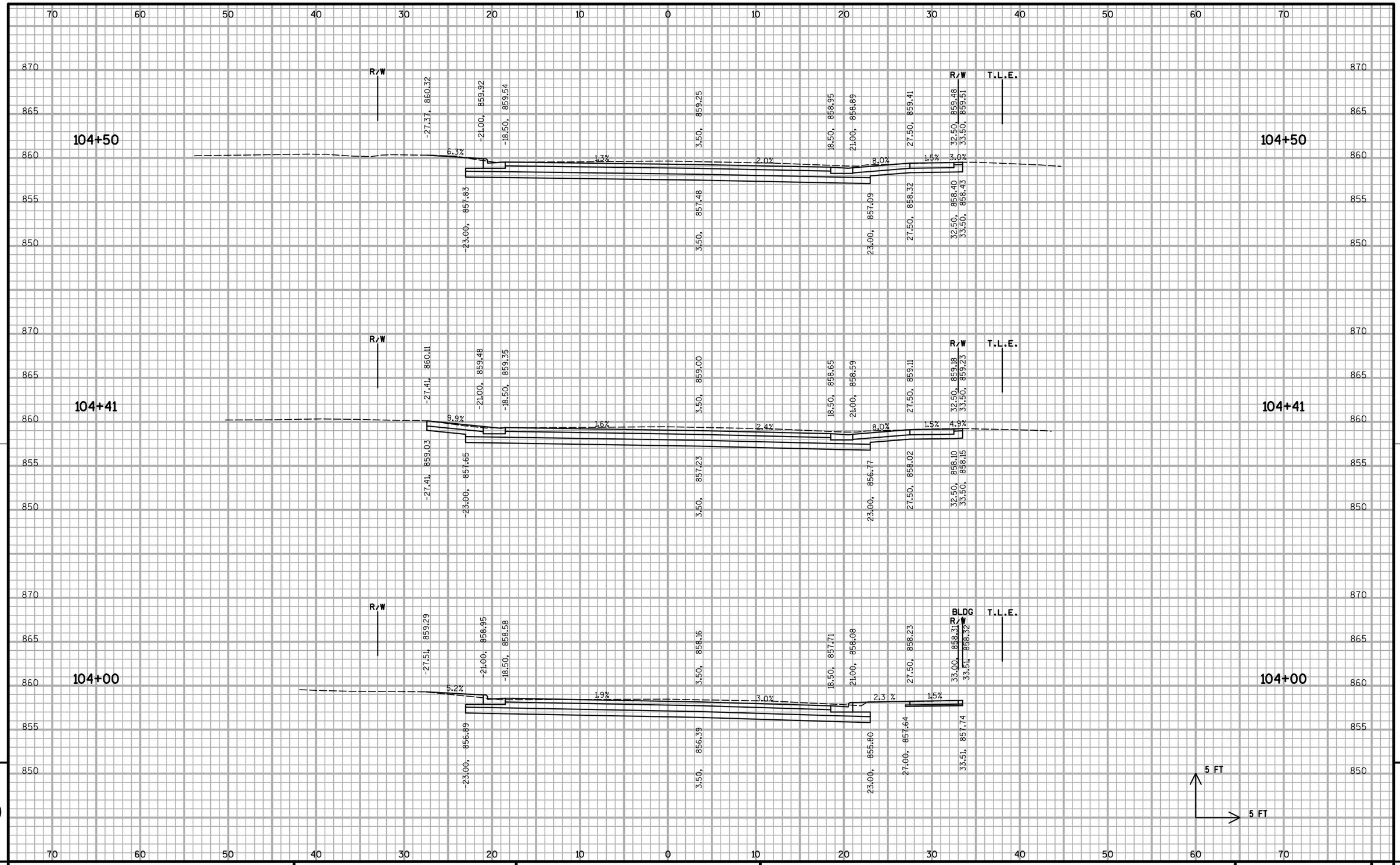


PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-1	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-2	E

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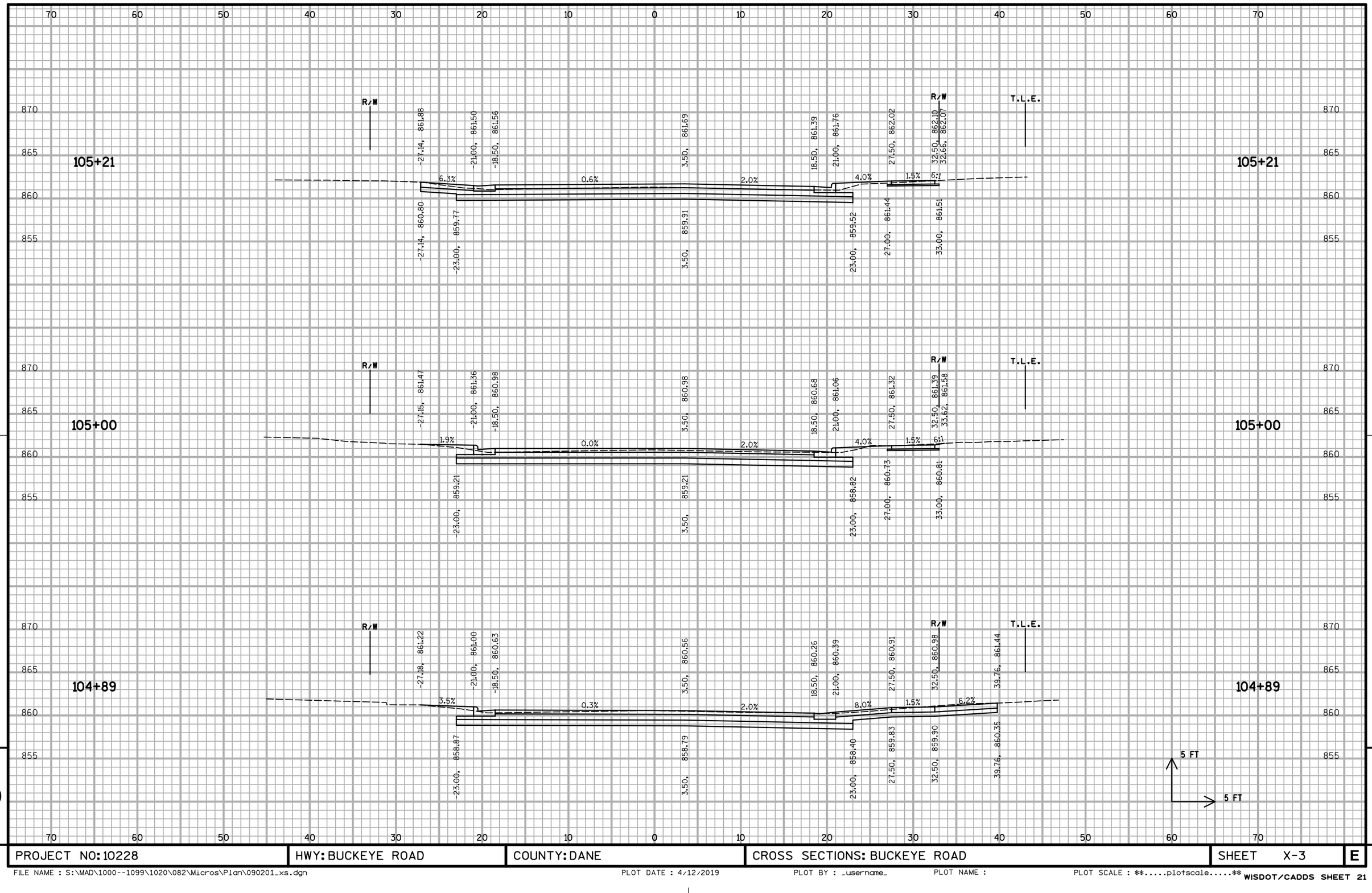

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PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-3	E

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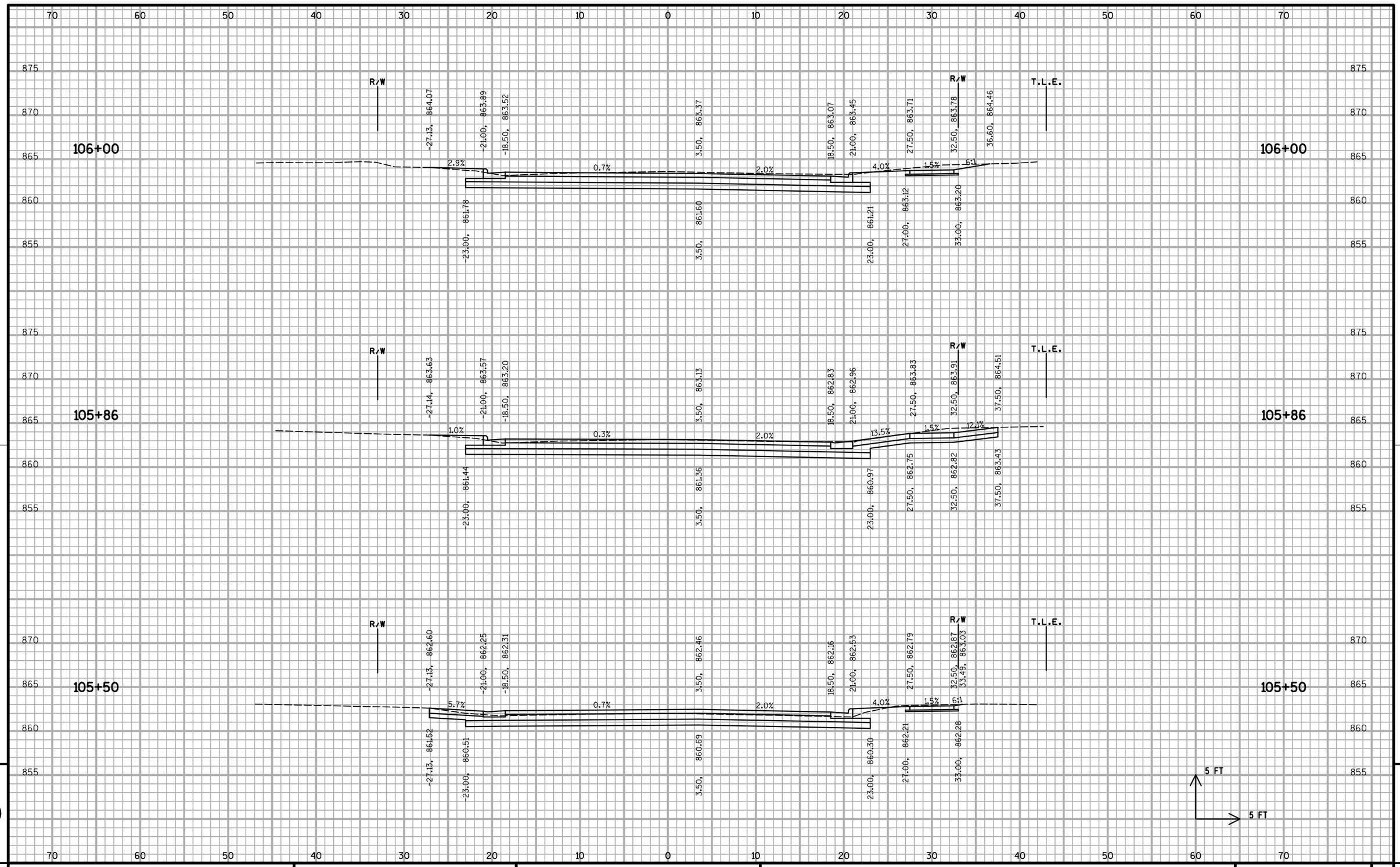

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PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-4	E

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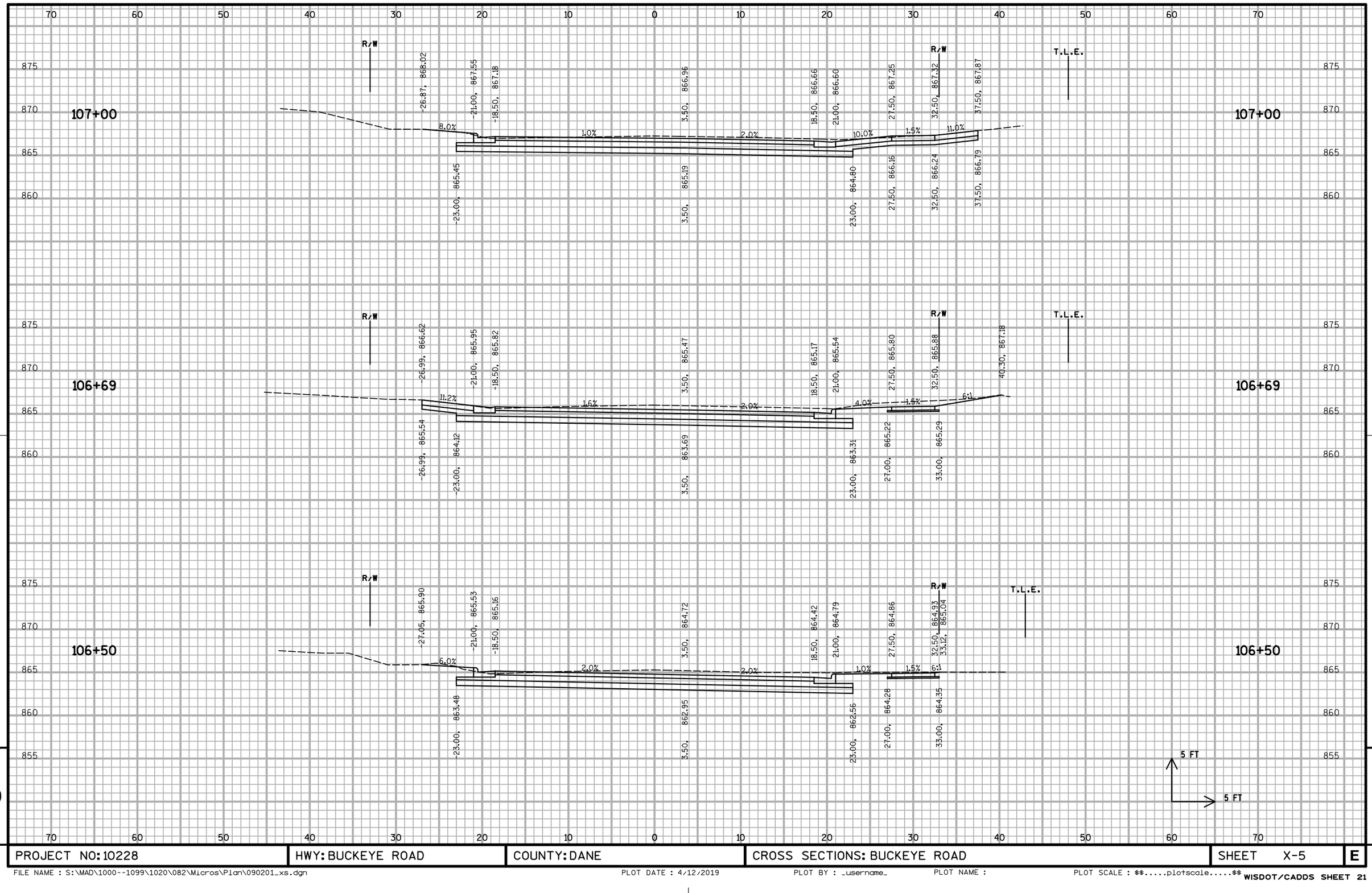

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PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-5	E

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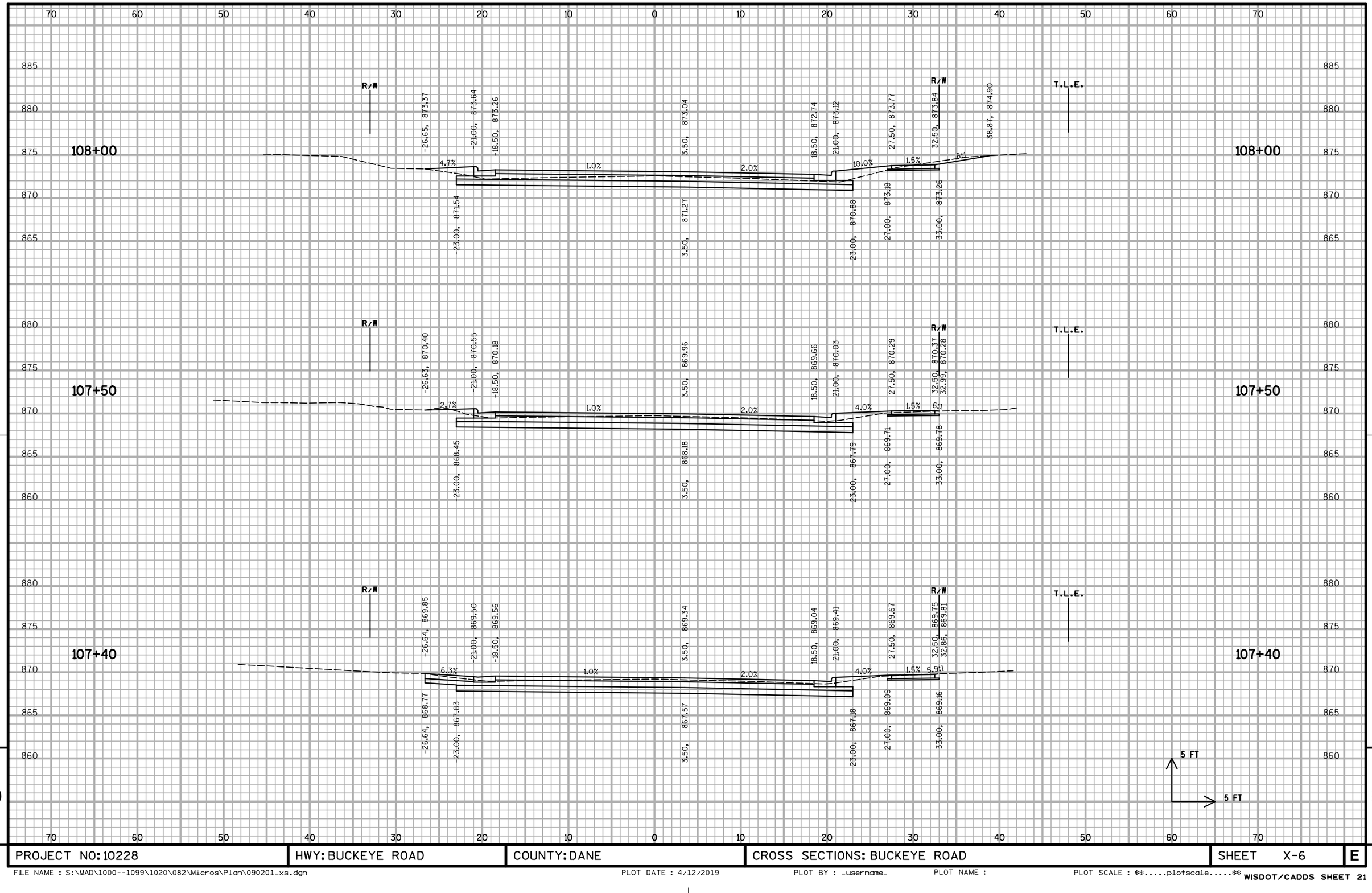

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PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-6	E

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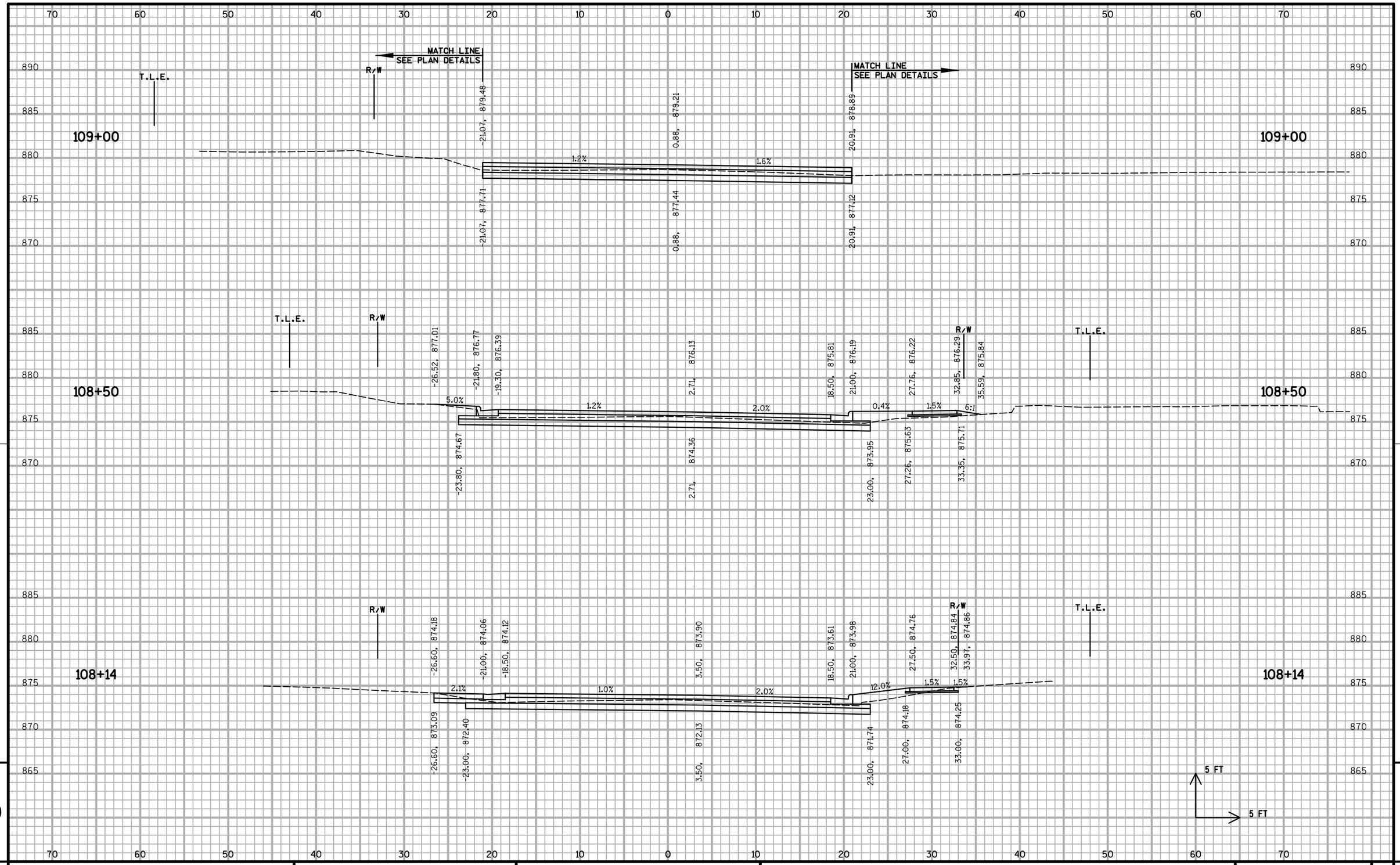

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-7	E

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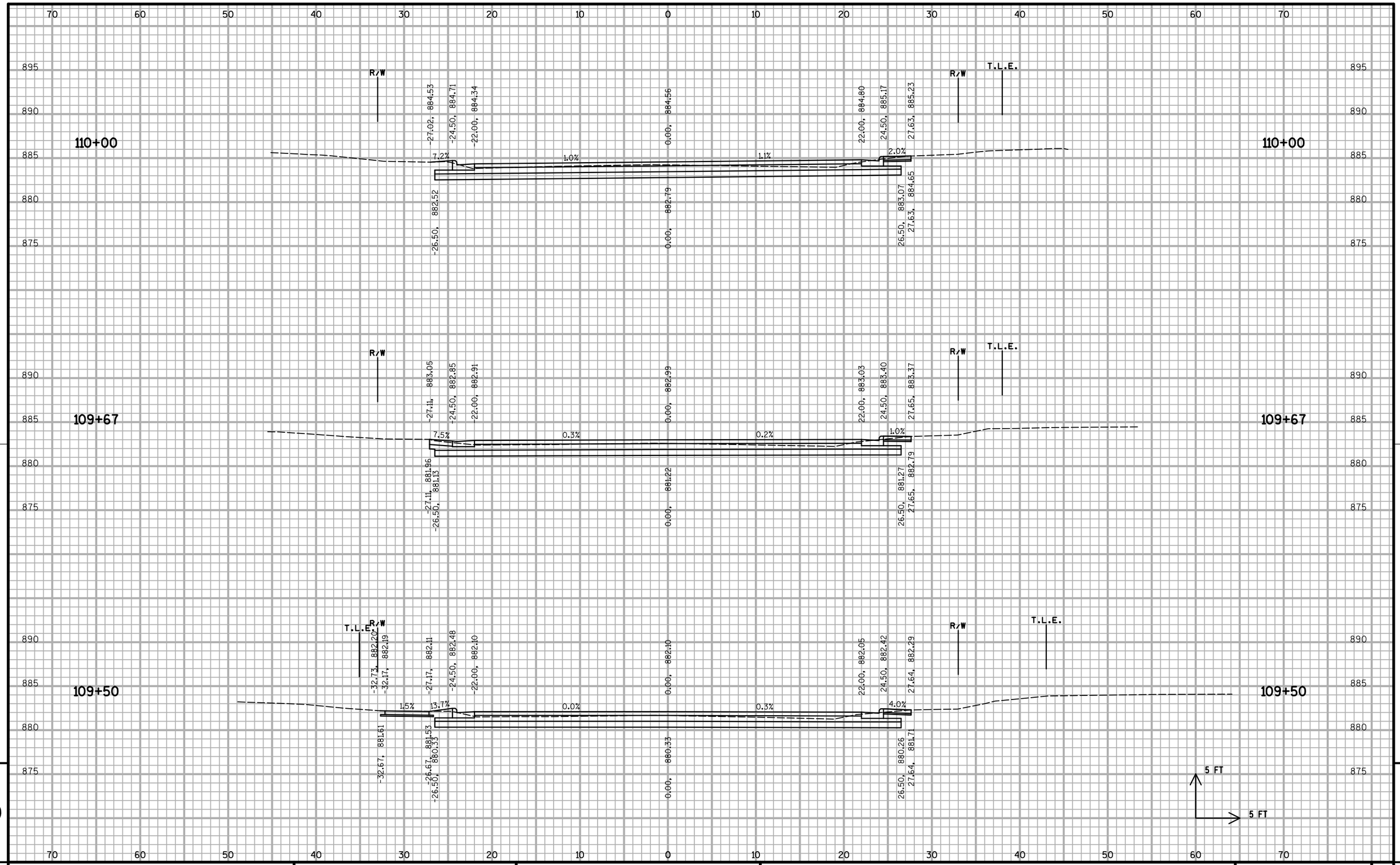
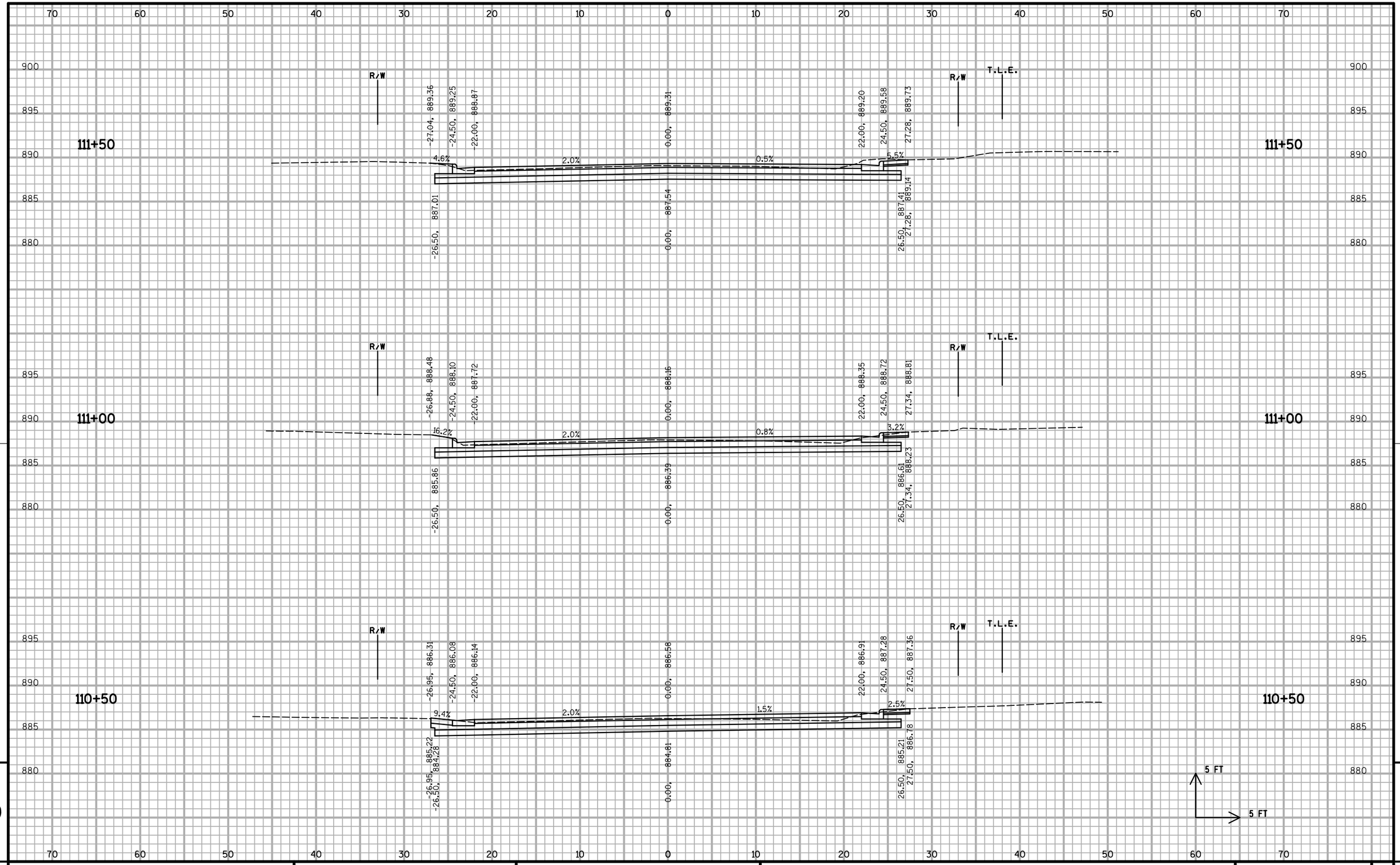


PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-8	E



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PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-9	E

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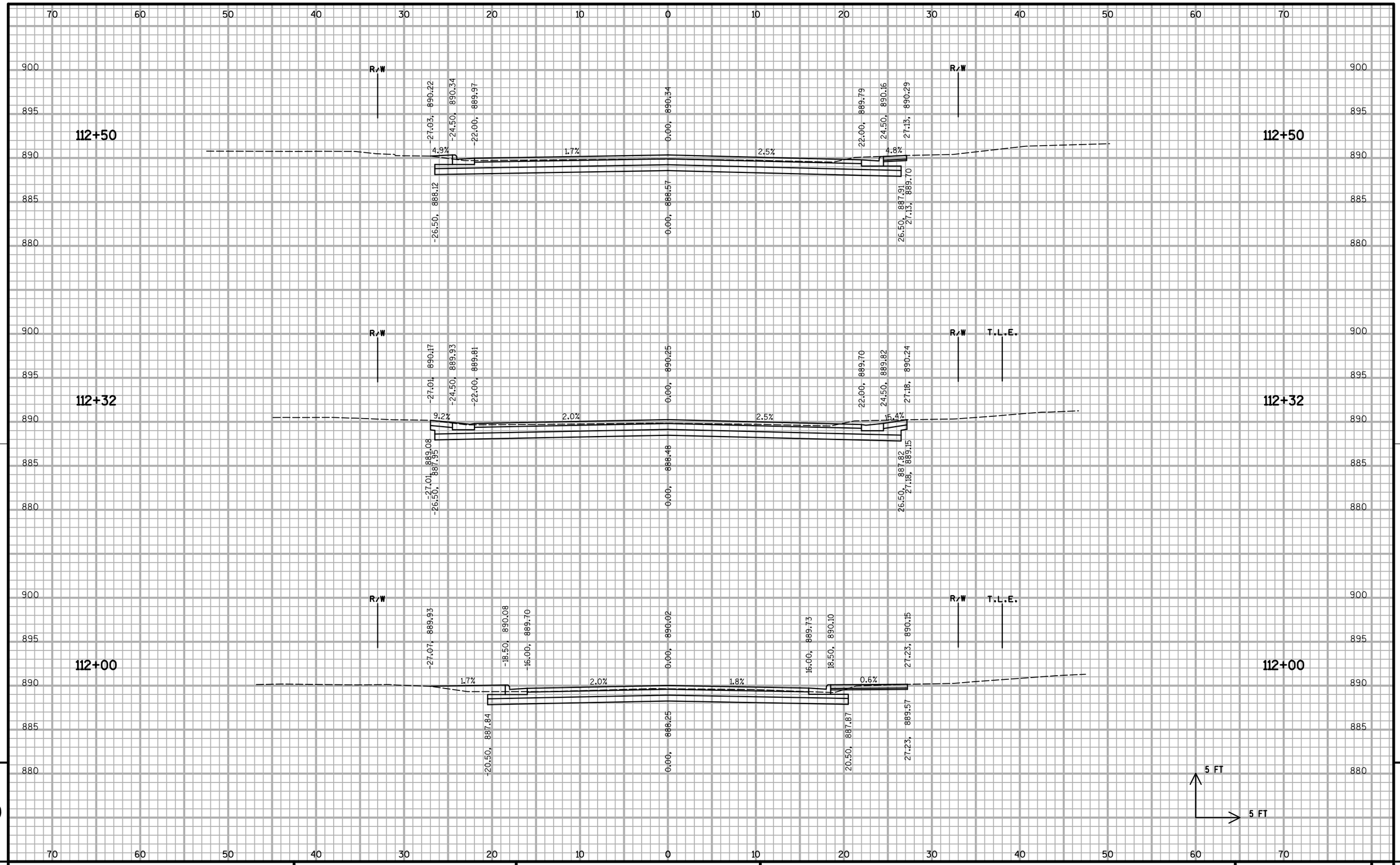

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PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-10	E

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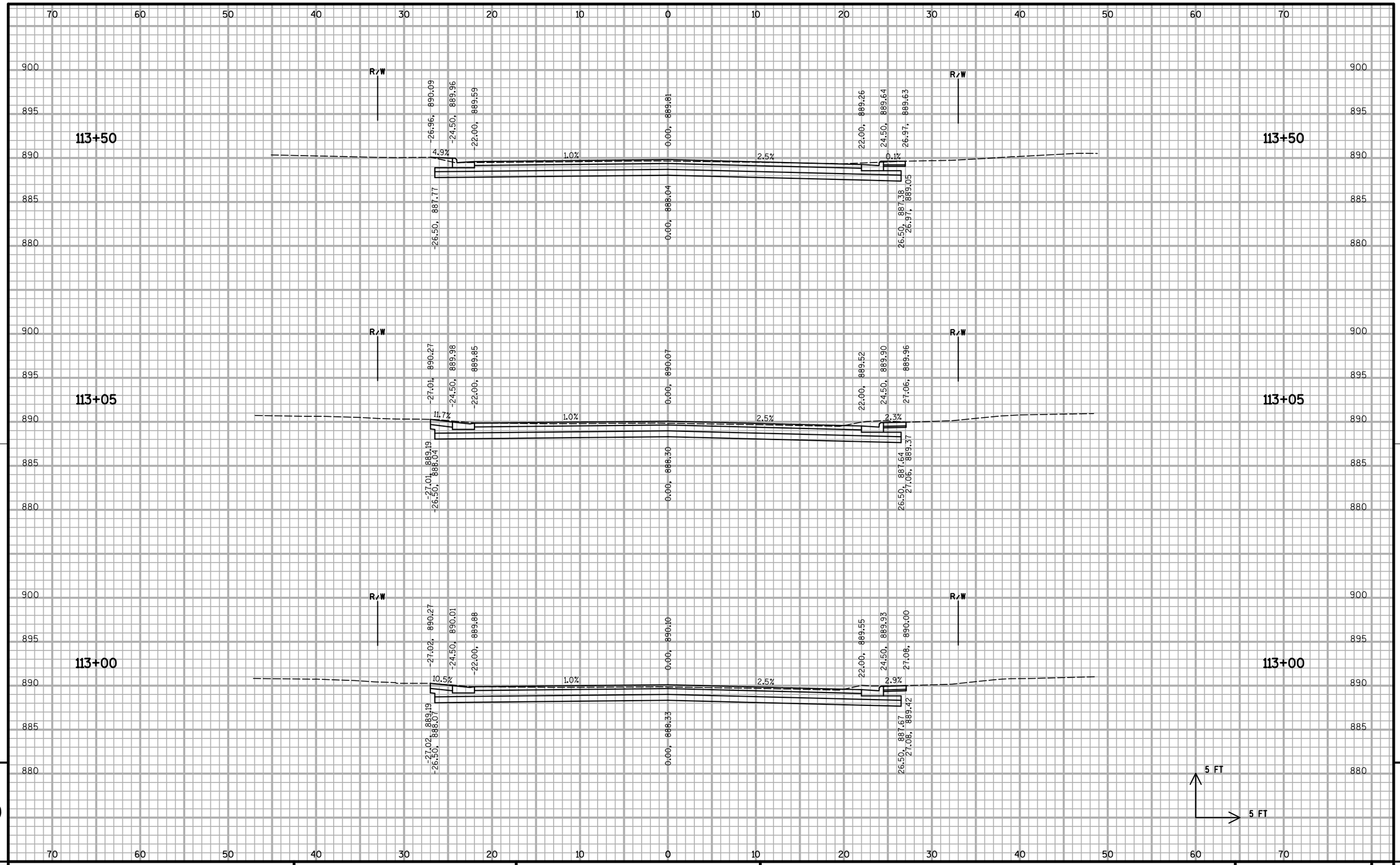

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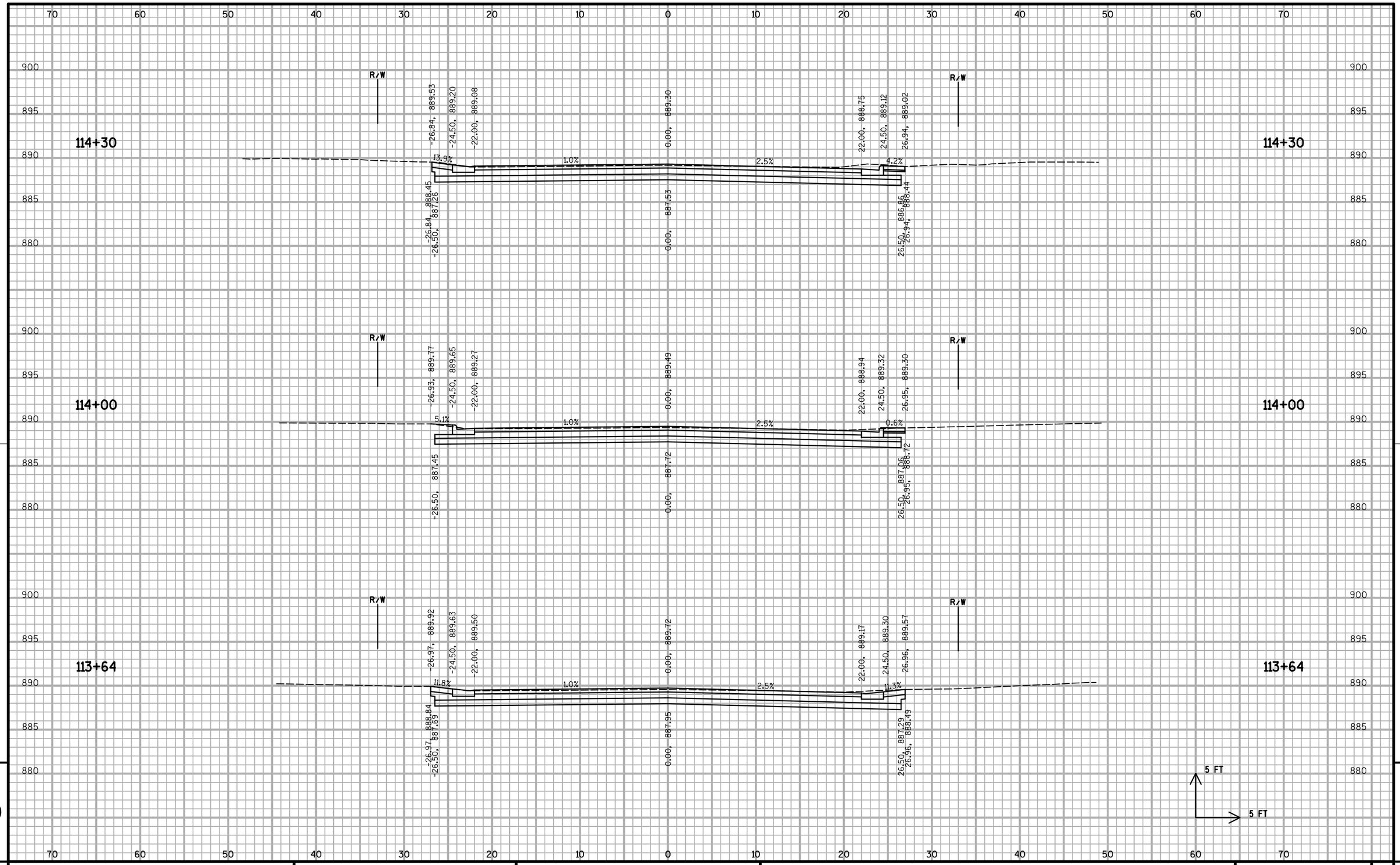

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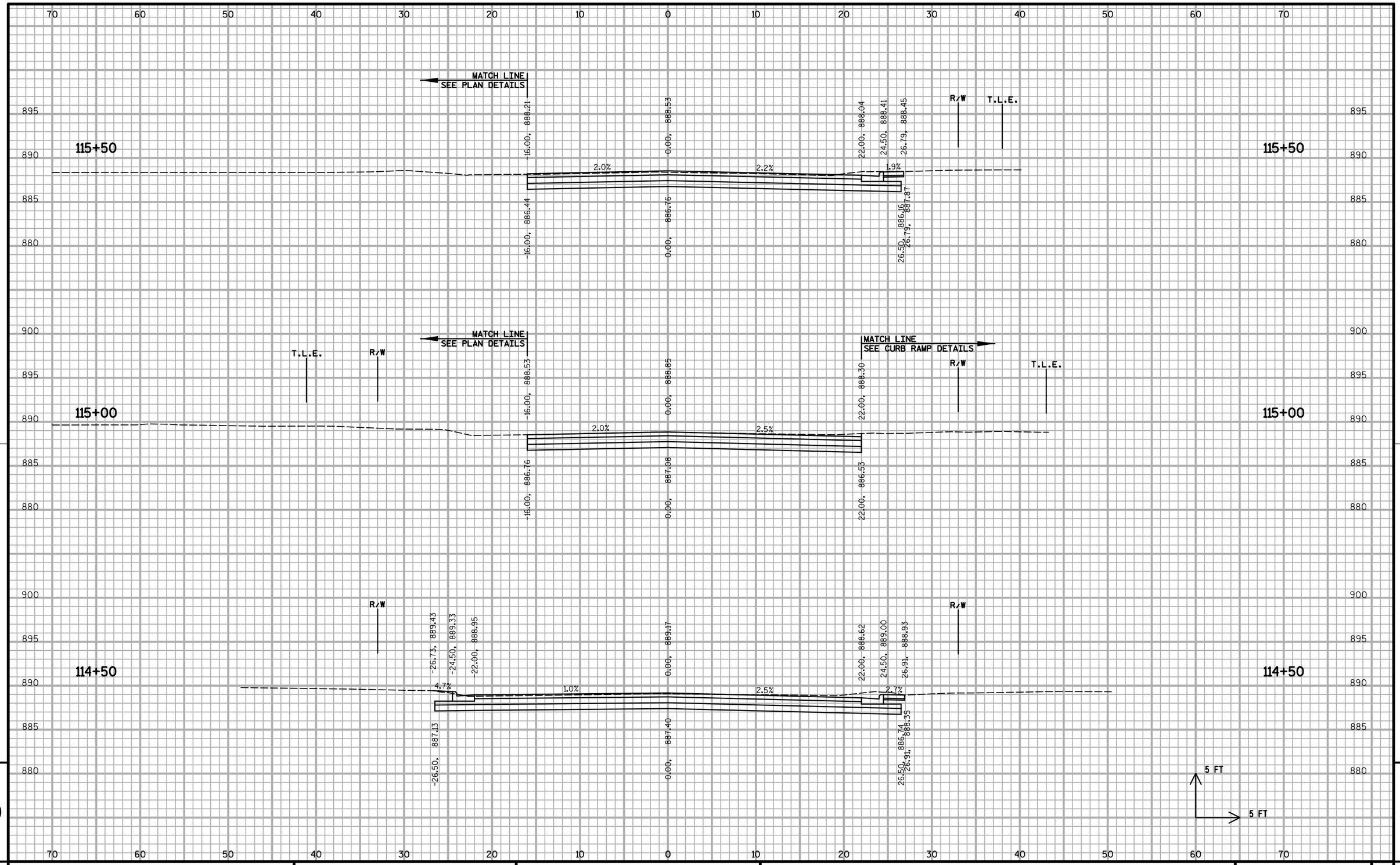

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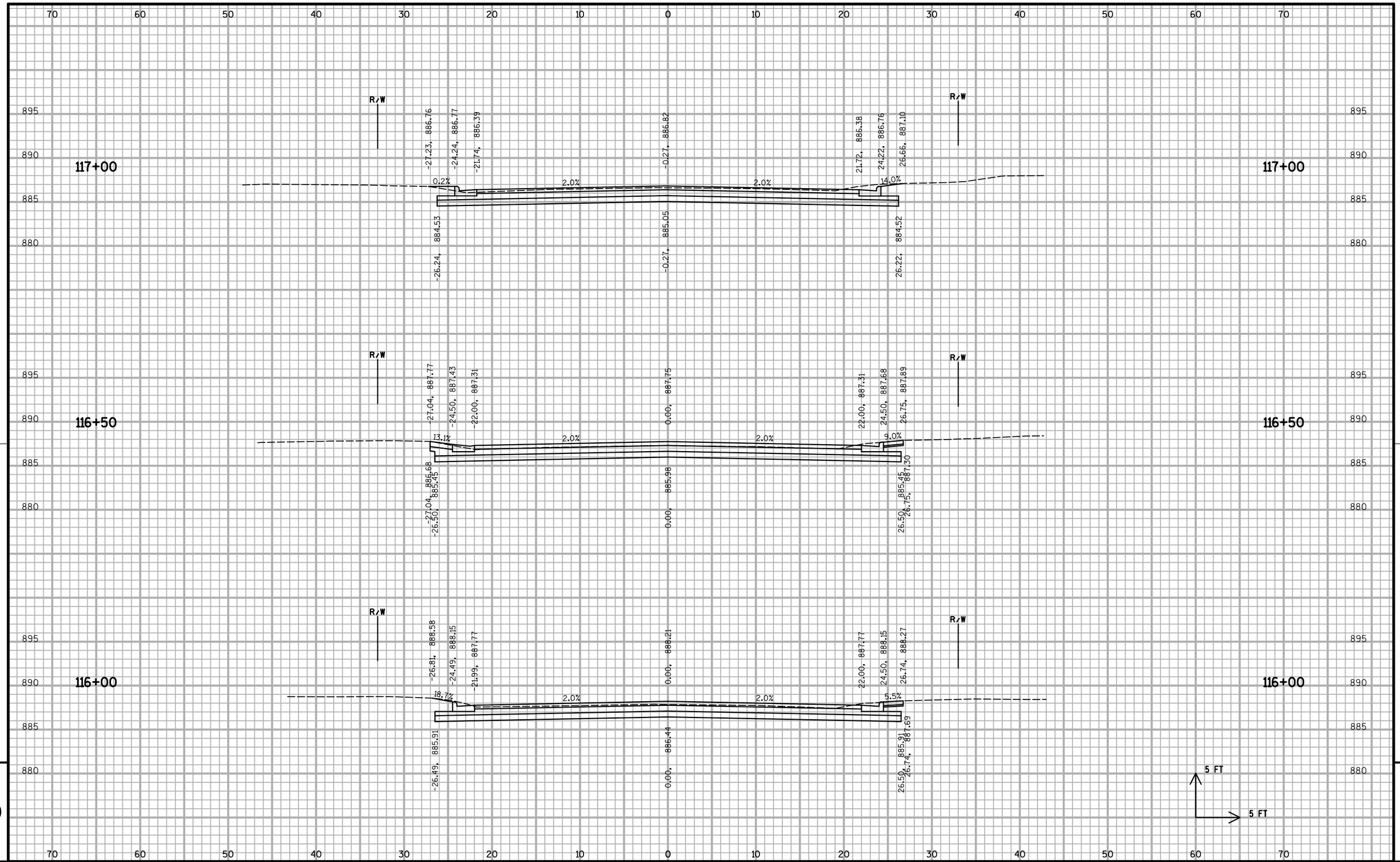

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PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-14	E

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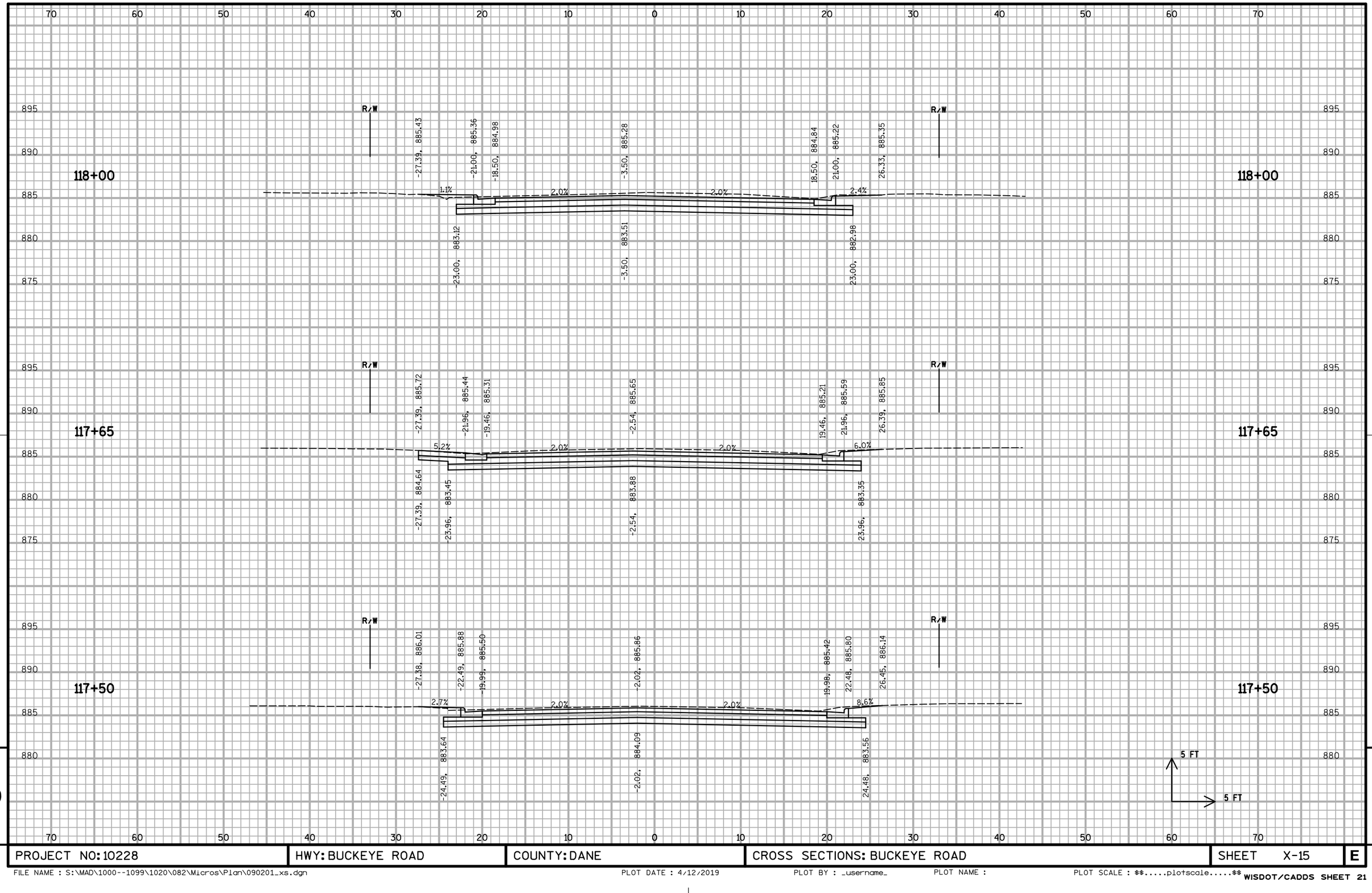

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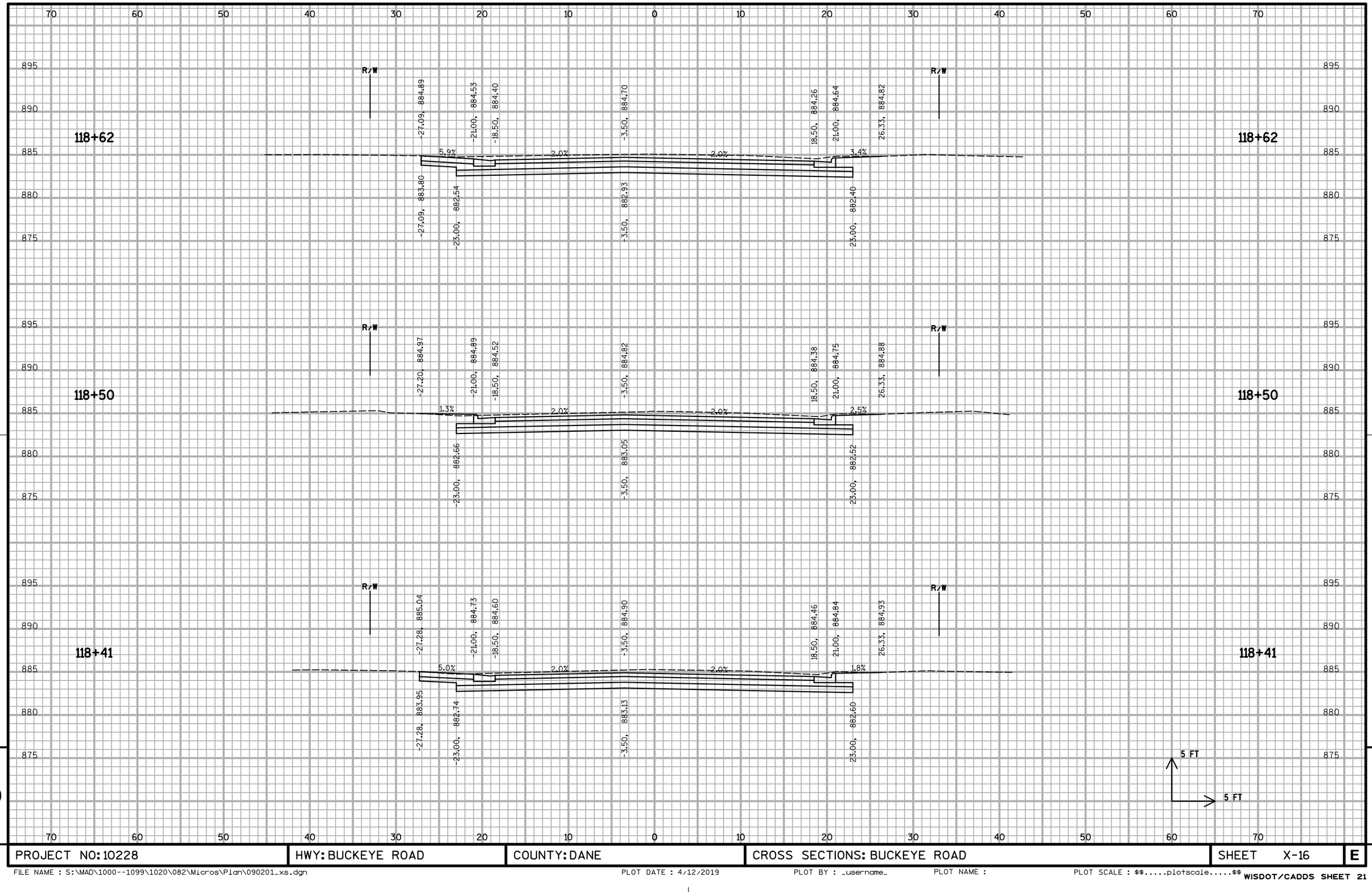

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PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-16	E

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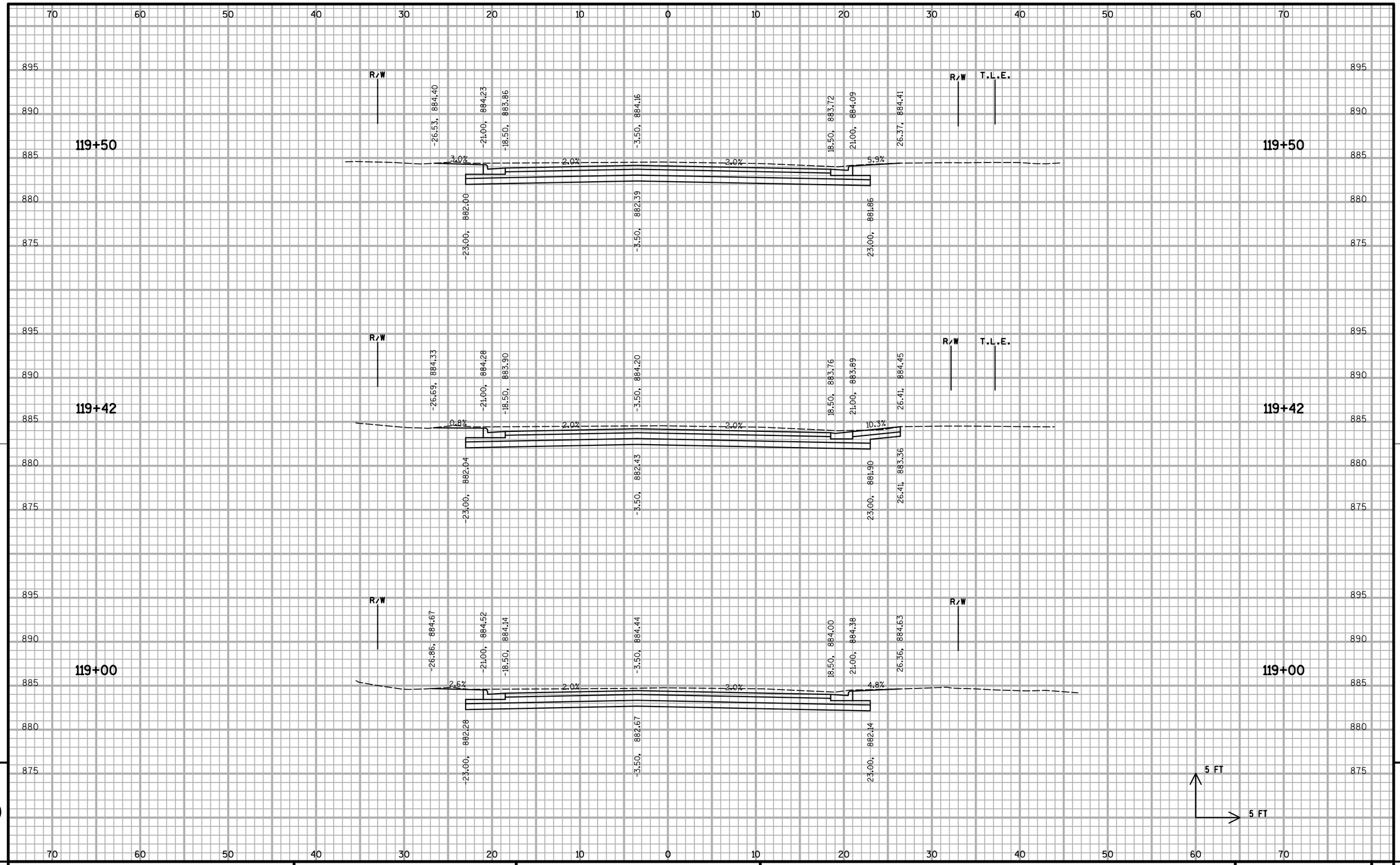

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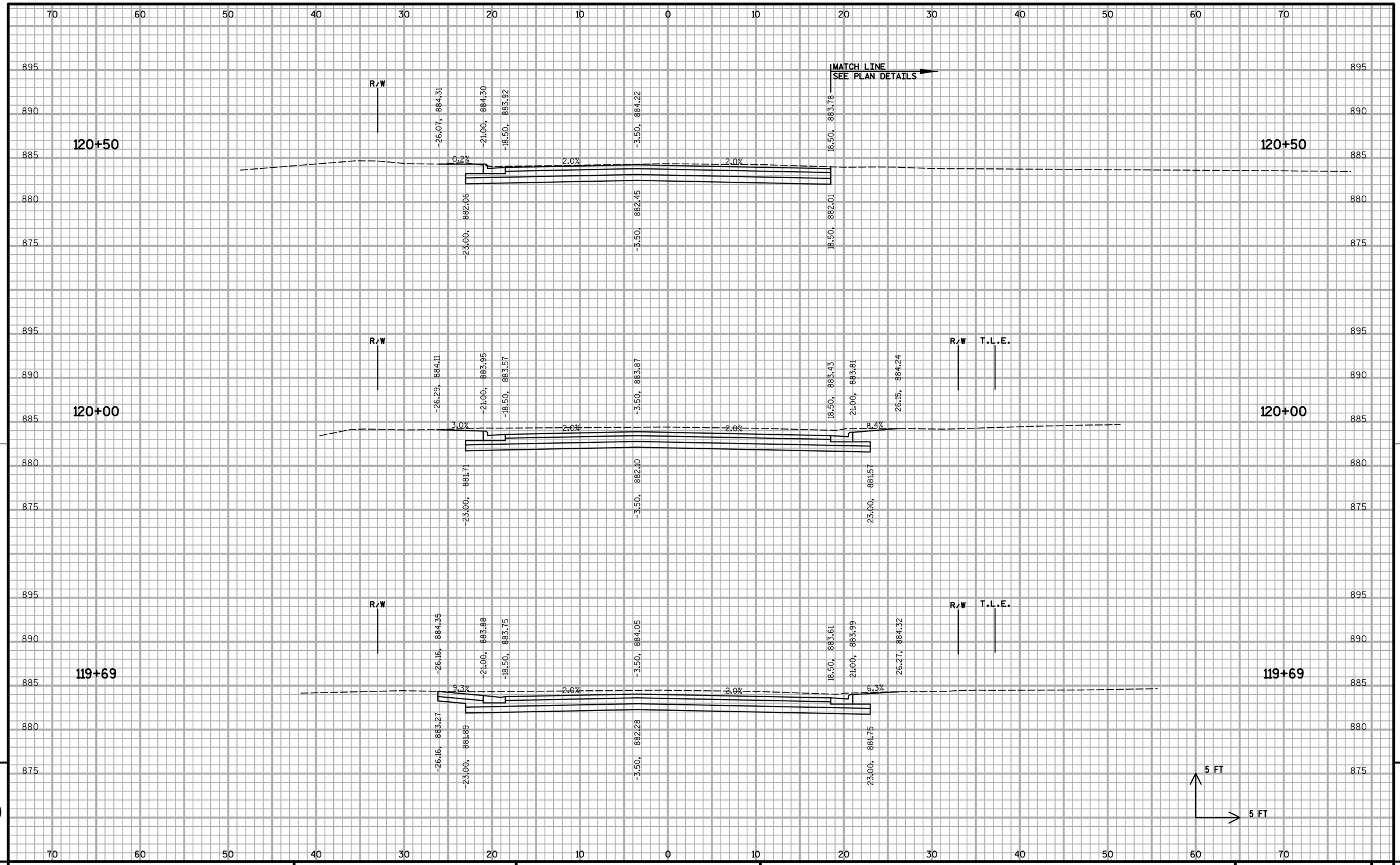

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-18	E

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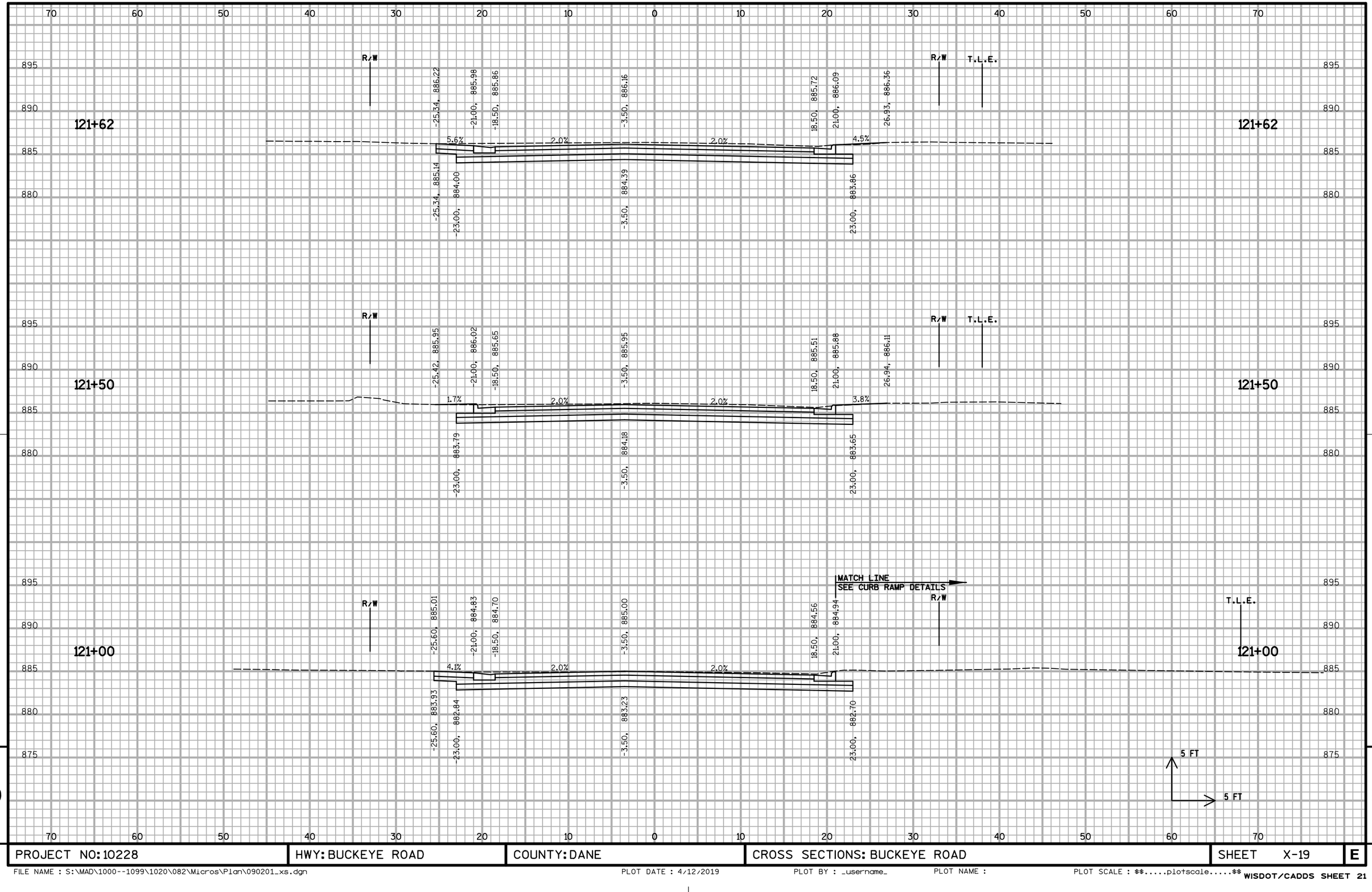
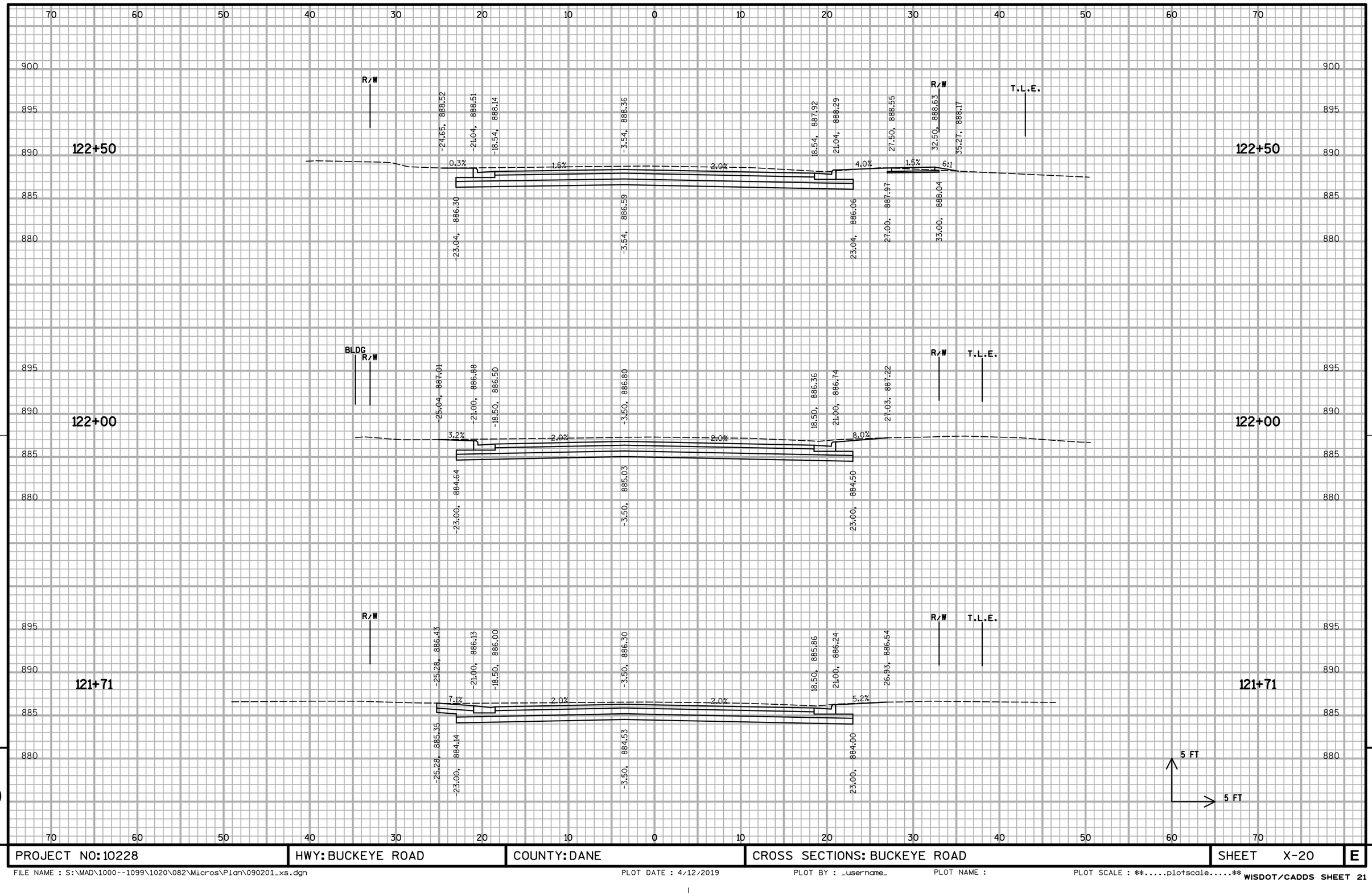


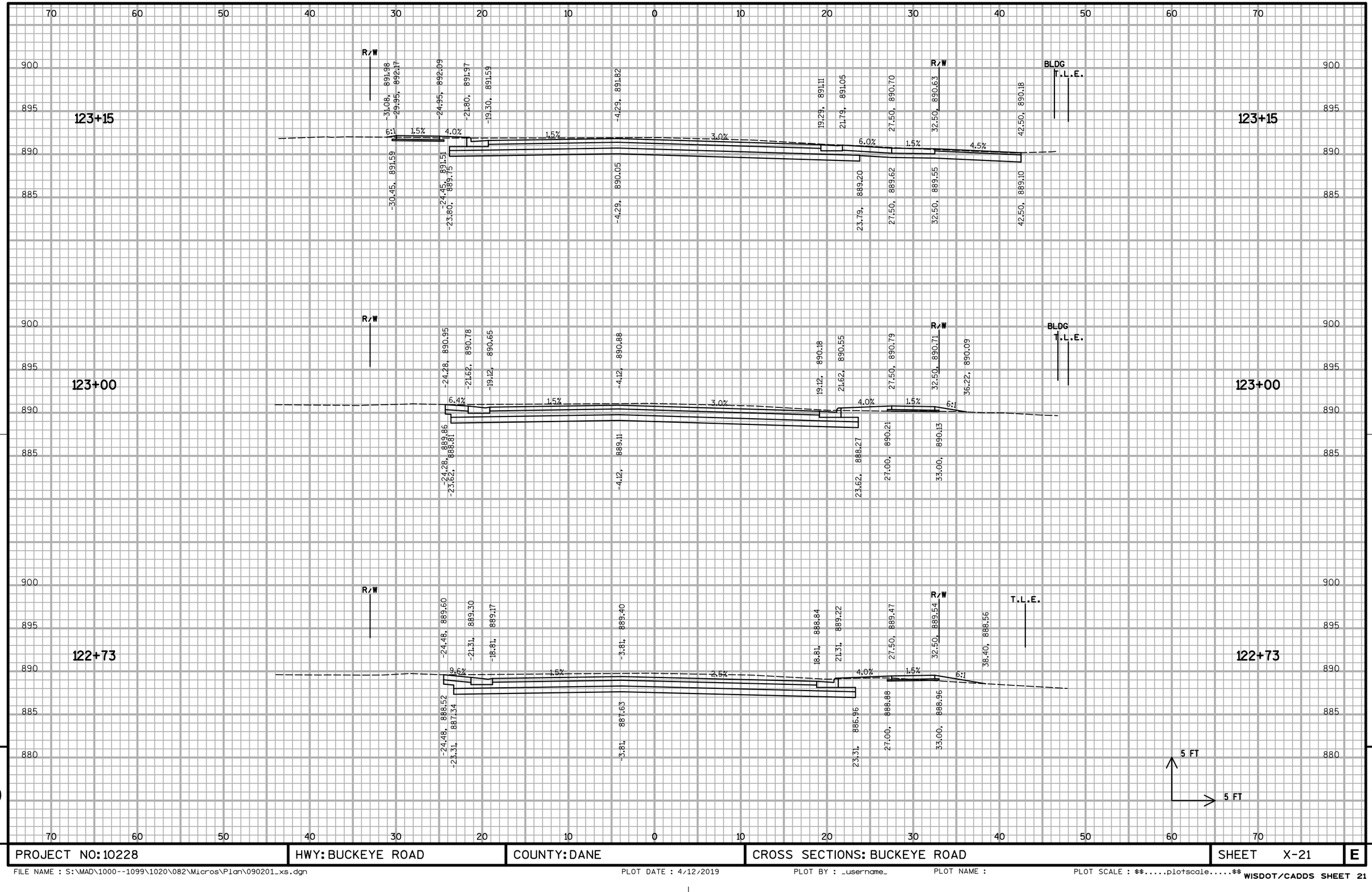
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-19	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



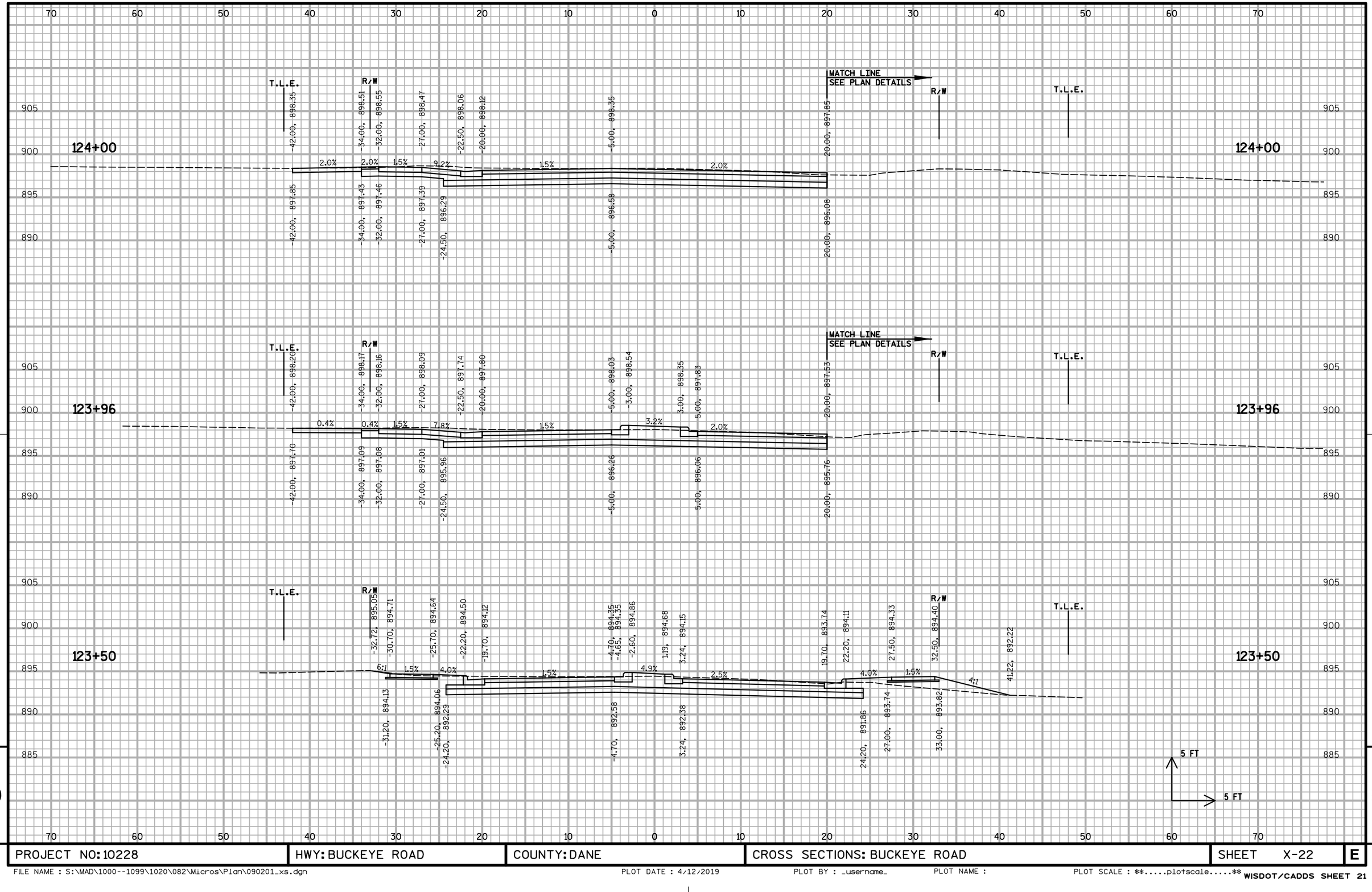
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-20	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-21	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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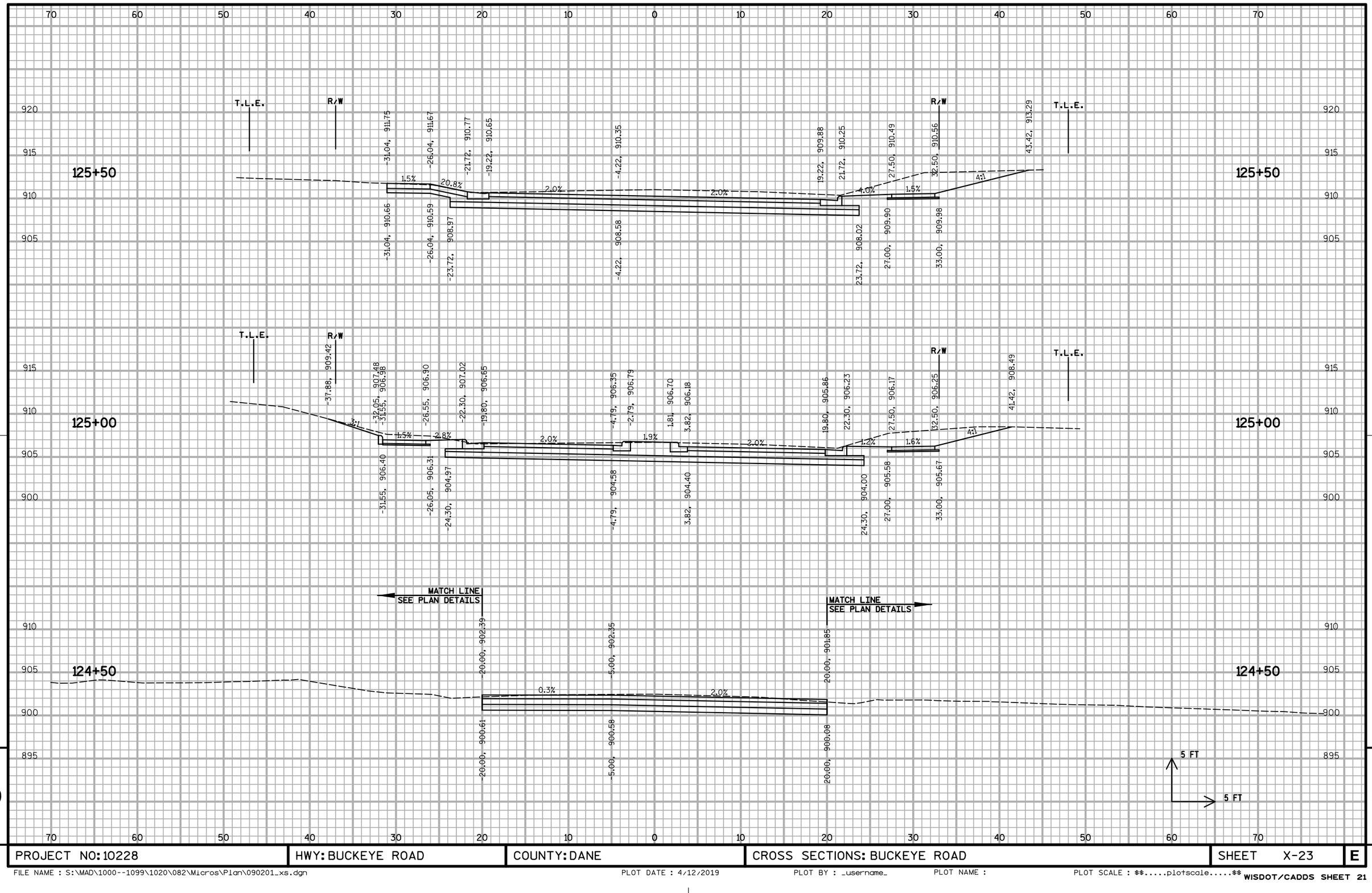
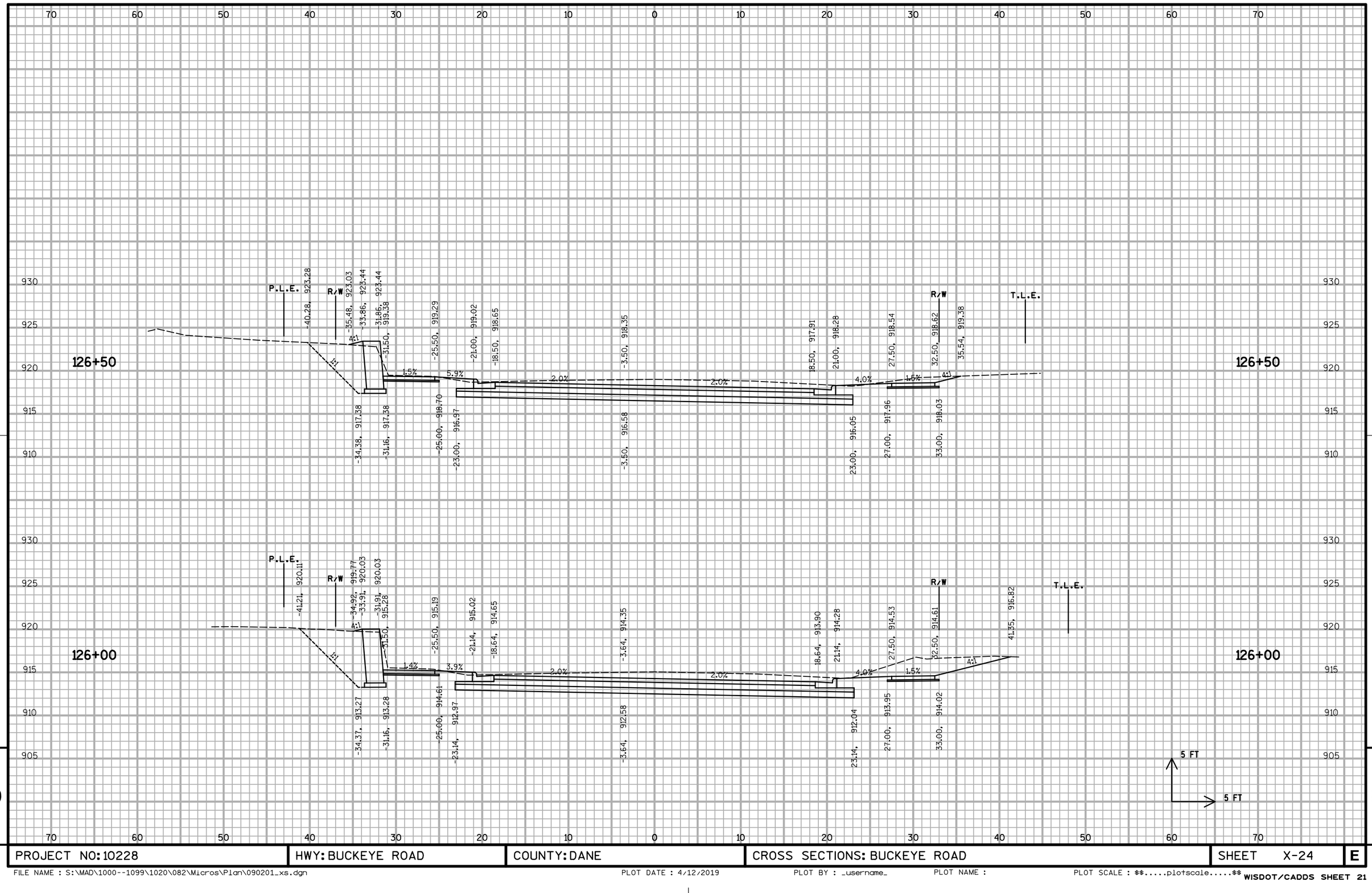
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-22	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



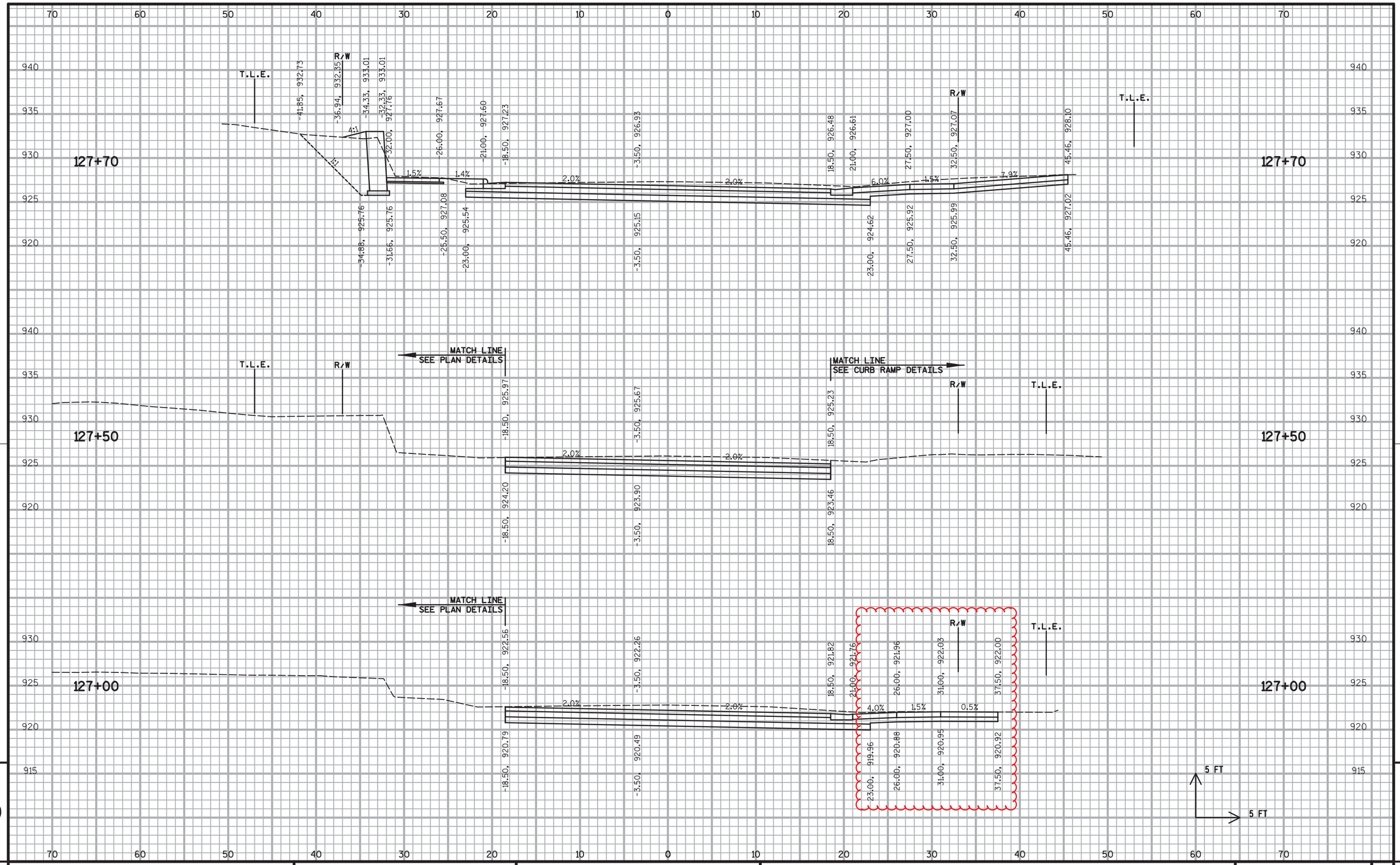
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-23	E



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-24	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

REVISED SHEETS - 7/22/19

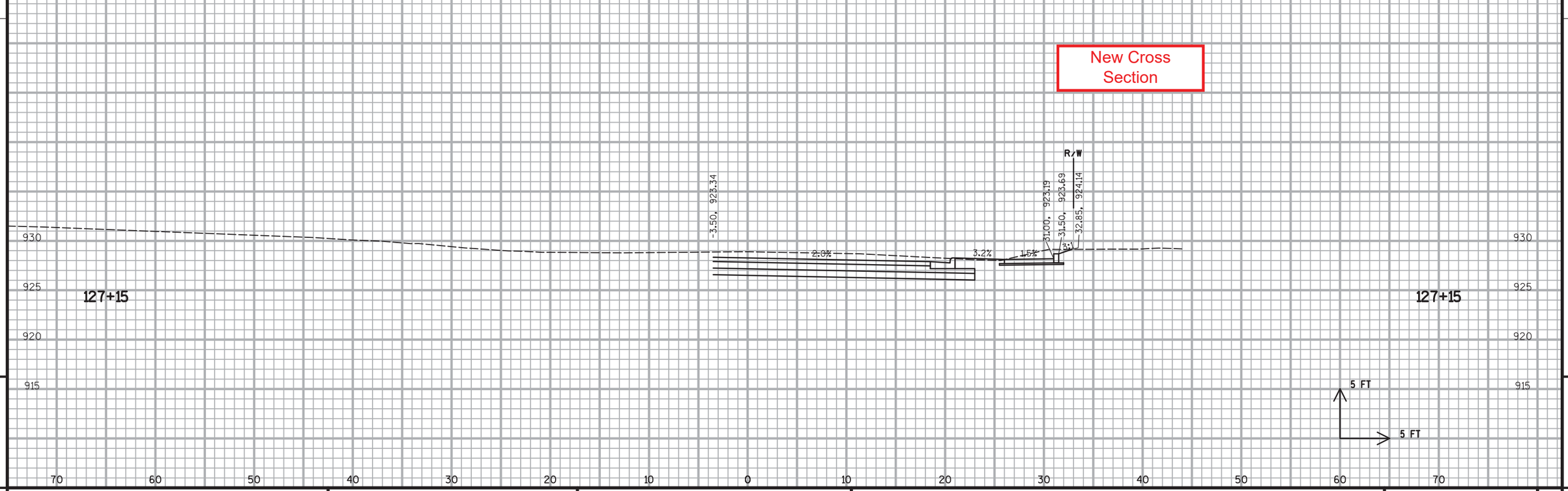


PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-25	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\2019_07_19 Plan Revision\2019_07_19 12700 RT XS.dgn PLOT DATE : 7/22/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

REVISED SHEETS - 7/22/19

New Cross Section



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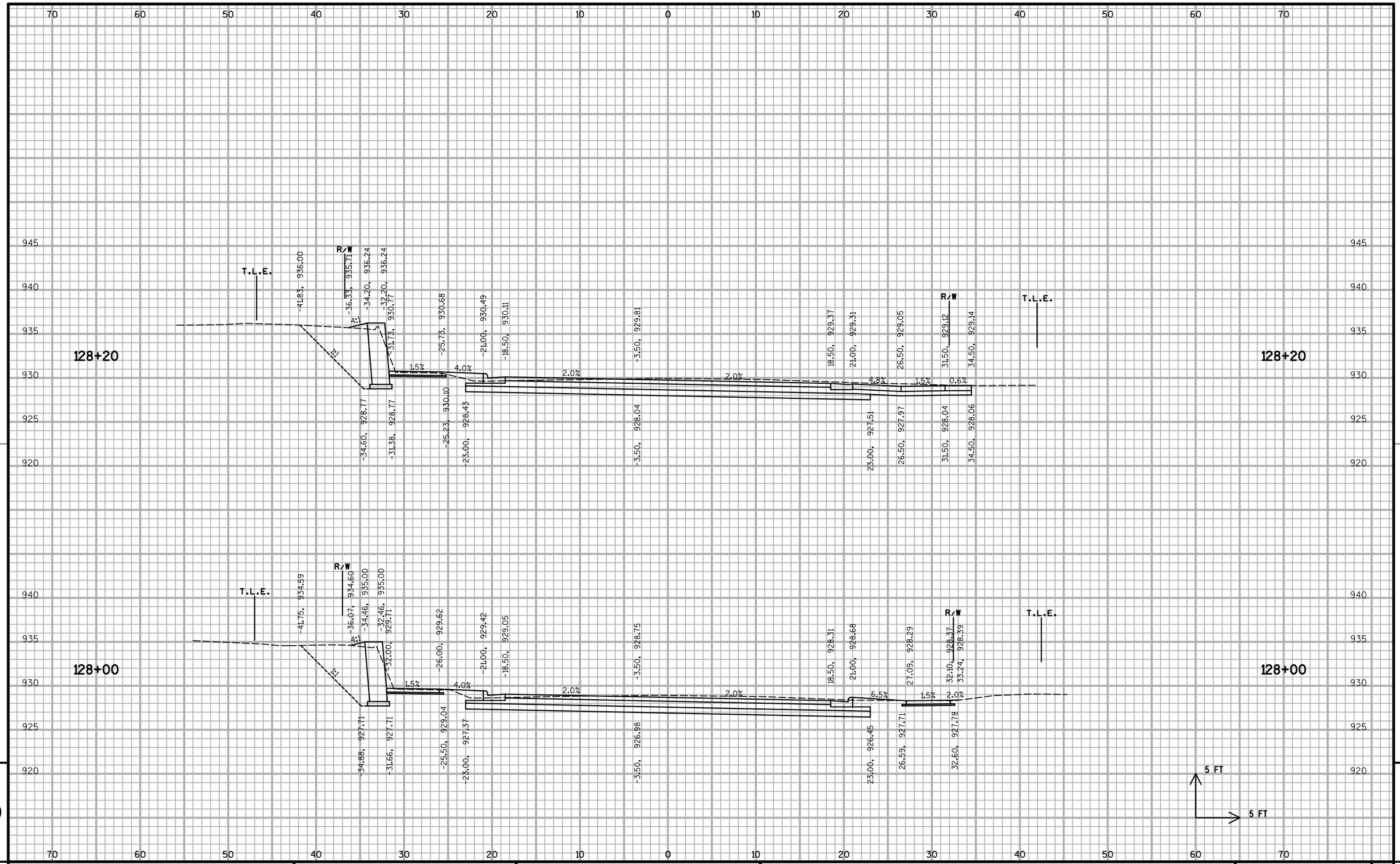
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-25A	E



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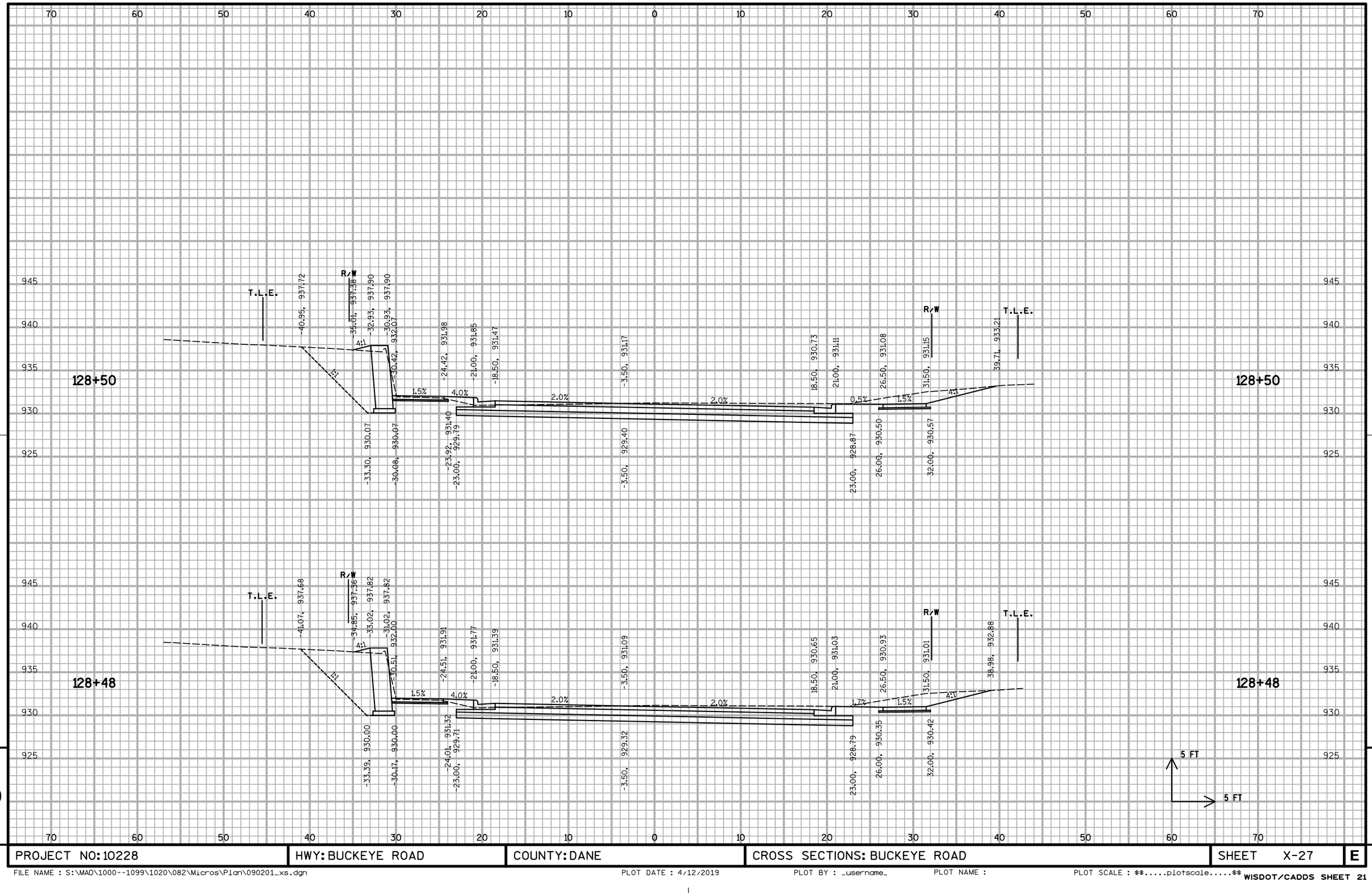
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-26	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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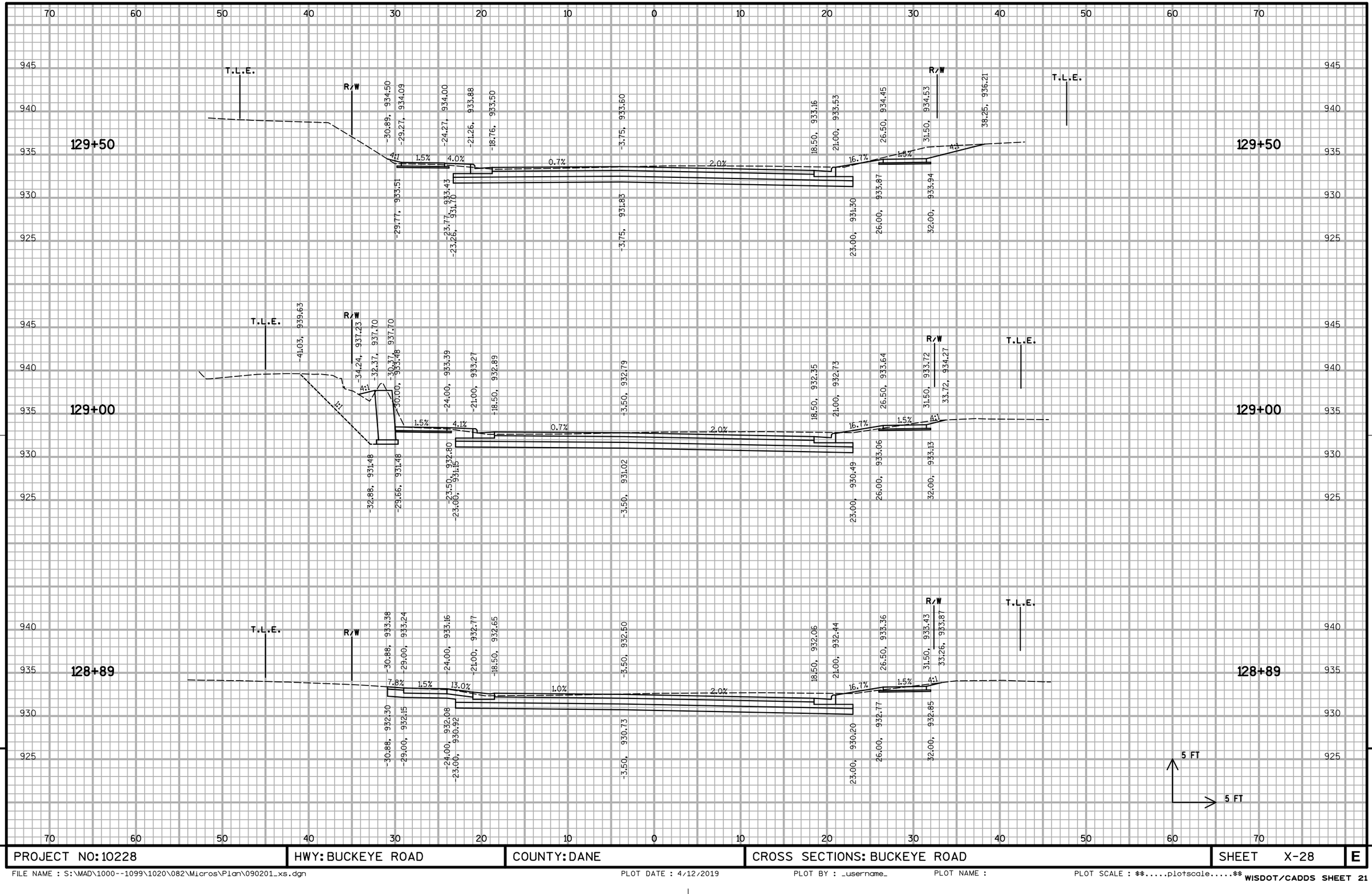
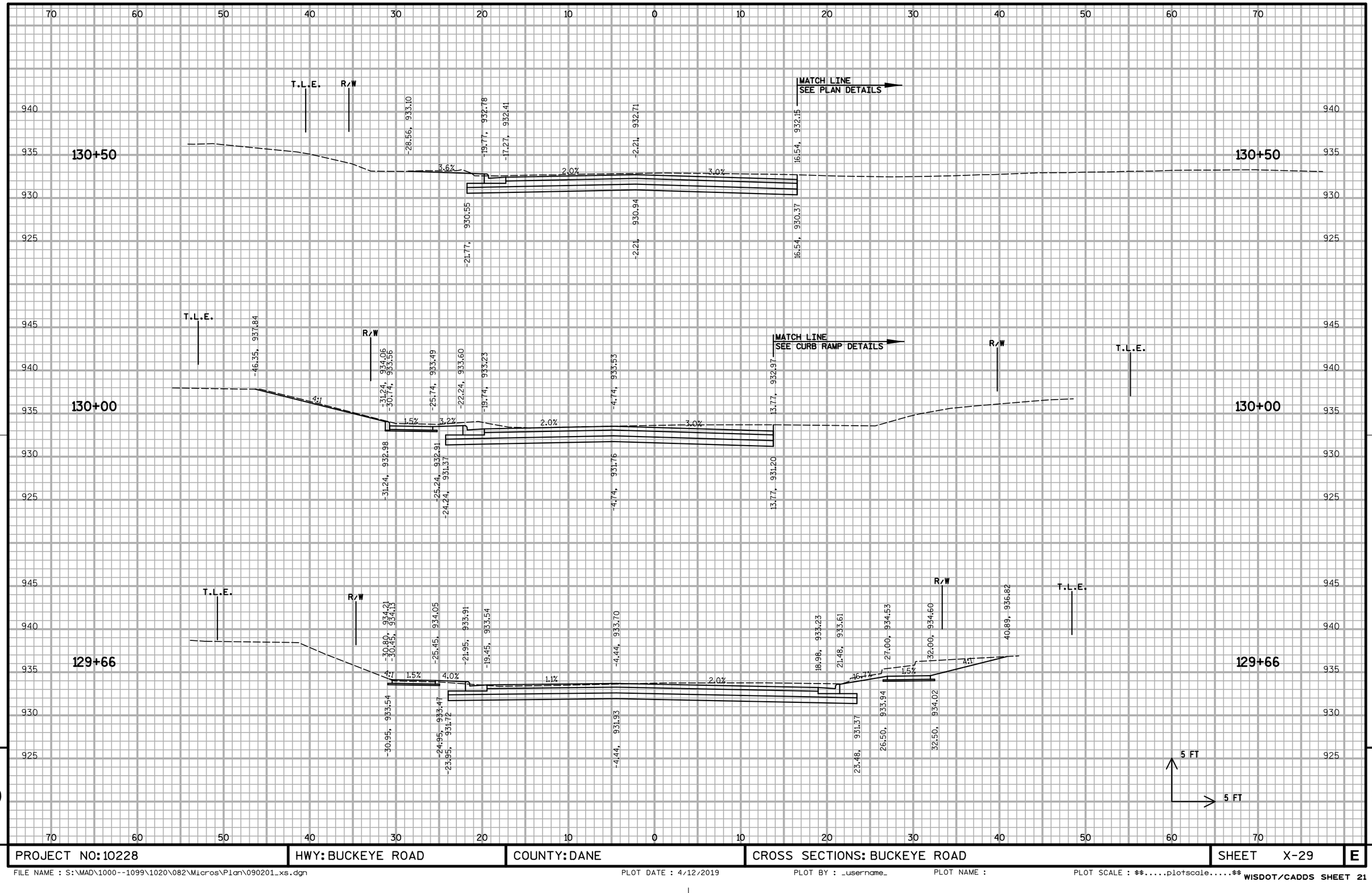
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-27	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-28	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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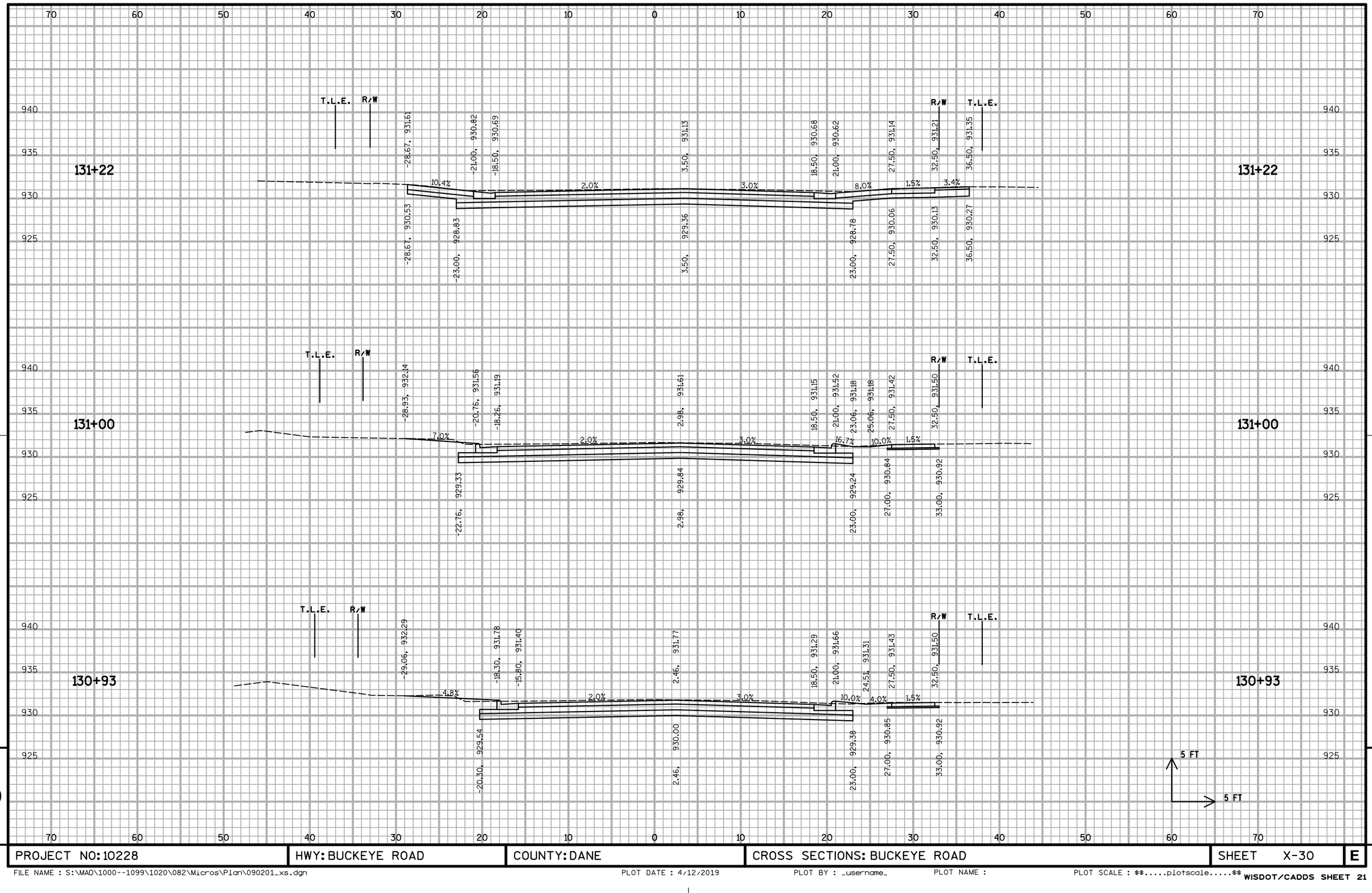
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-29	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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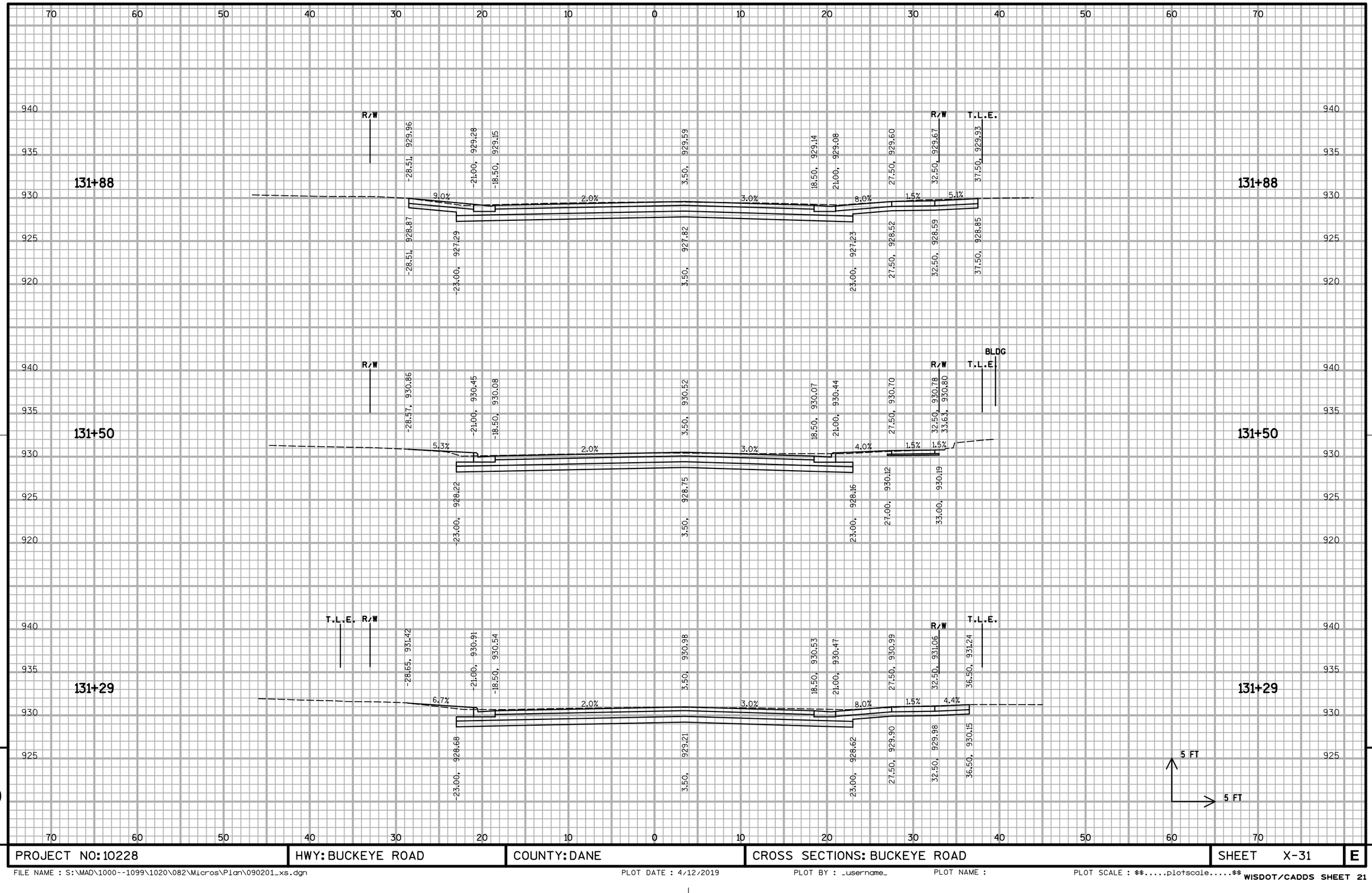
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-30	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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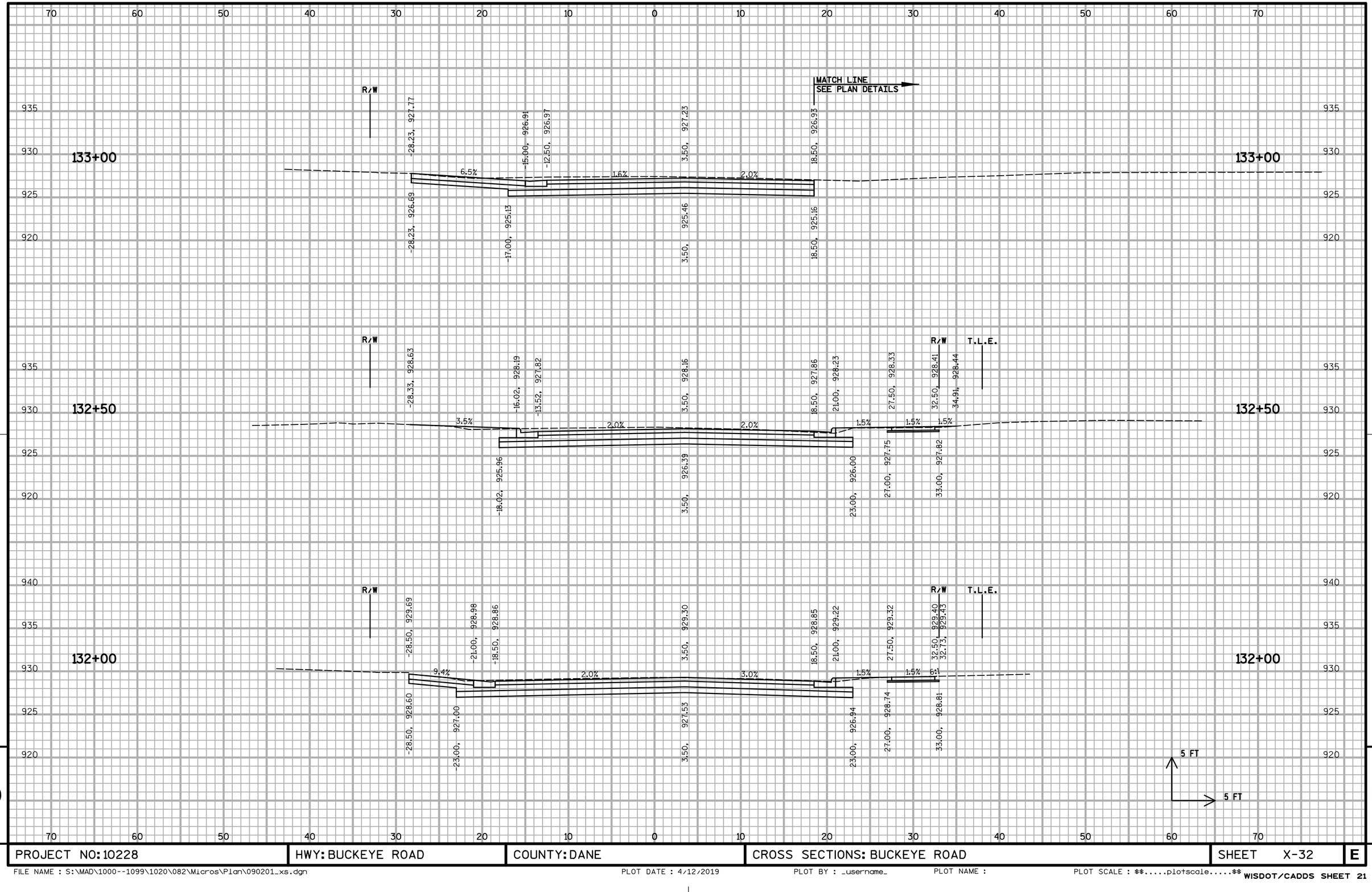
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-31	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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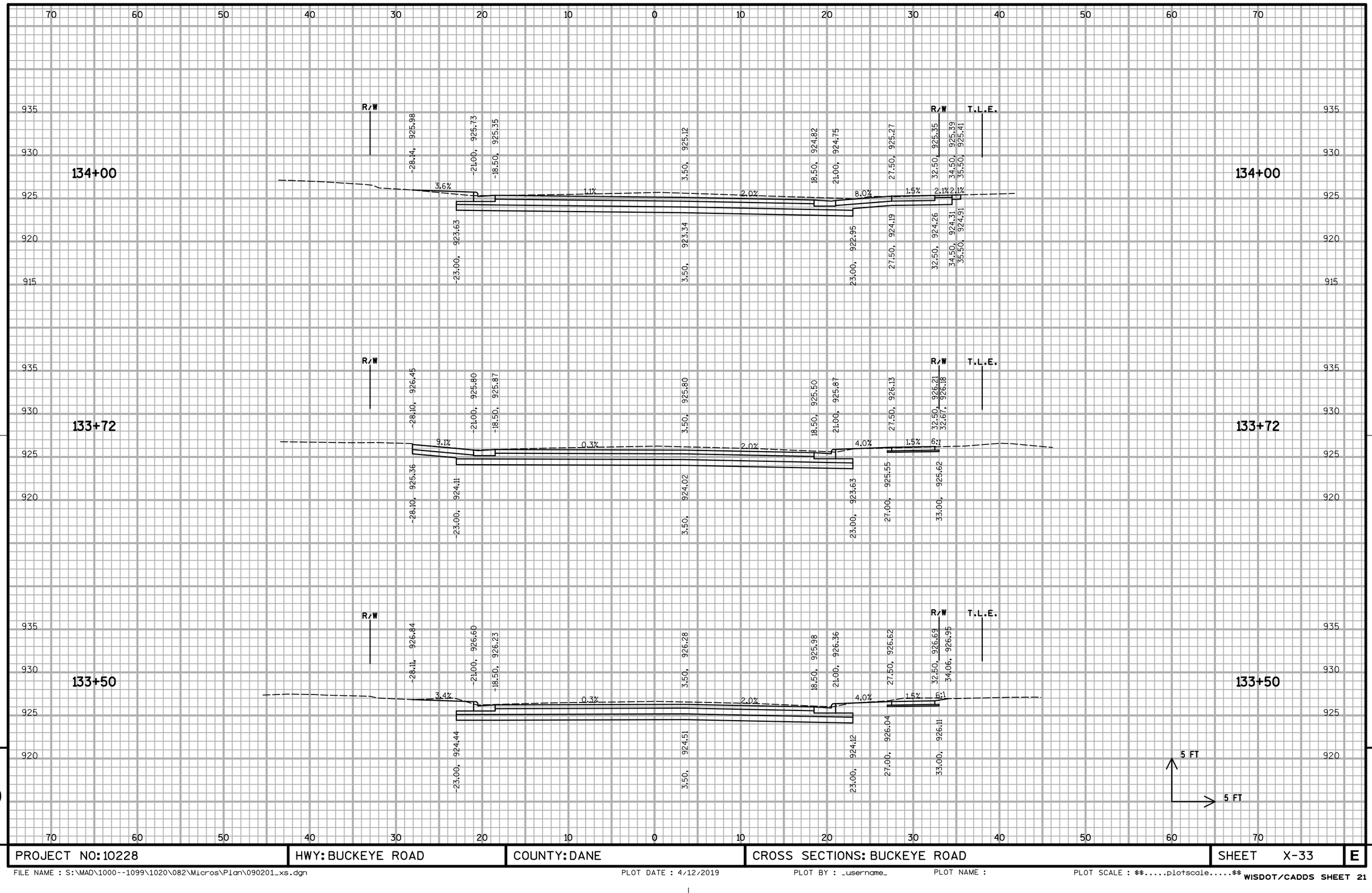
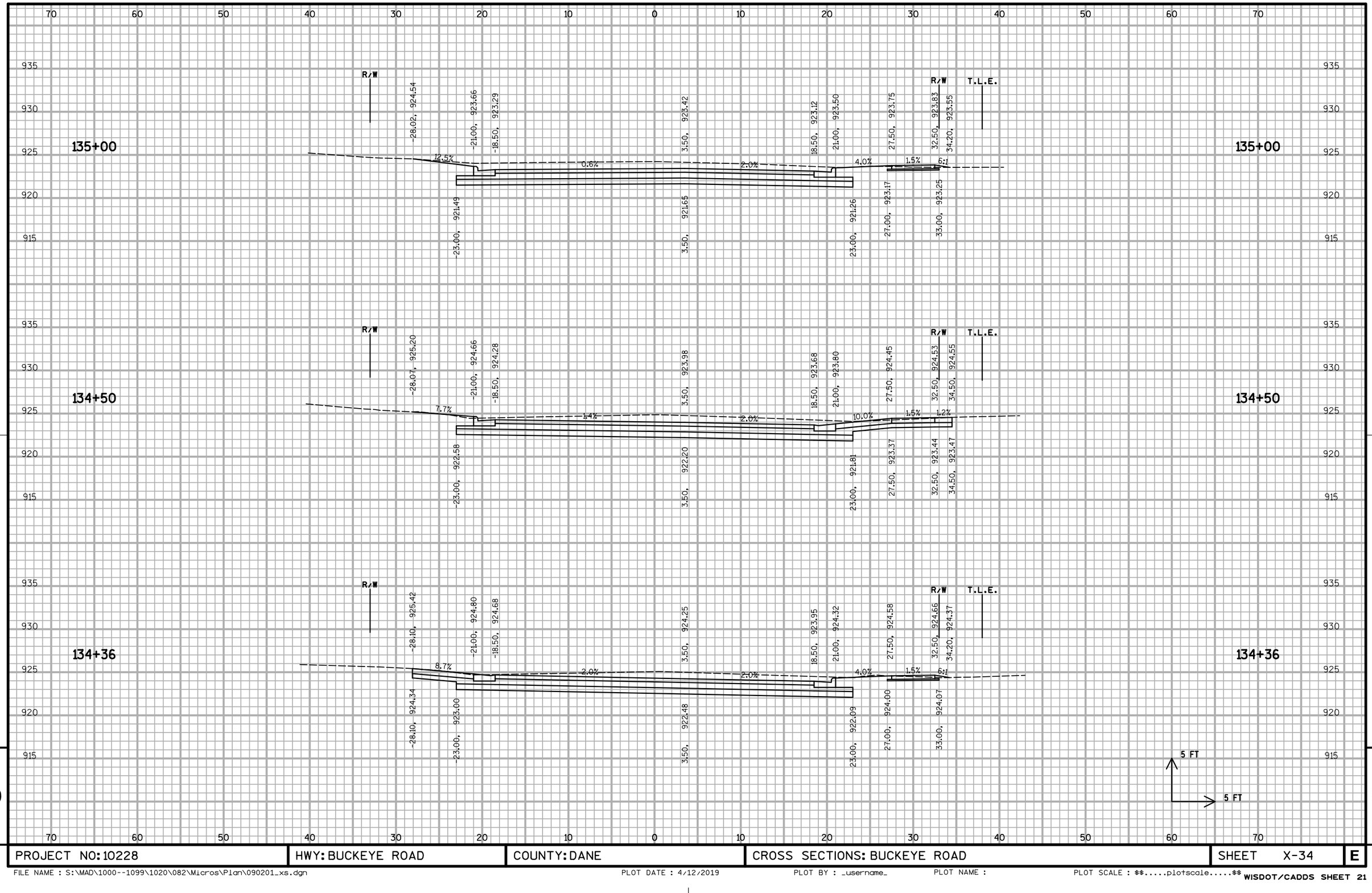
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-32	E



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-33	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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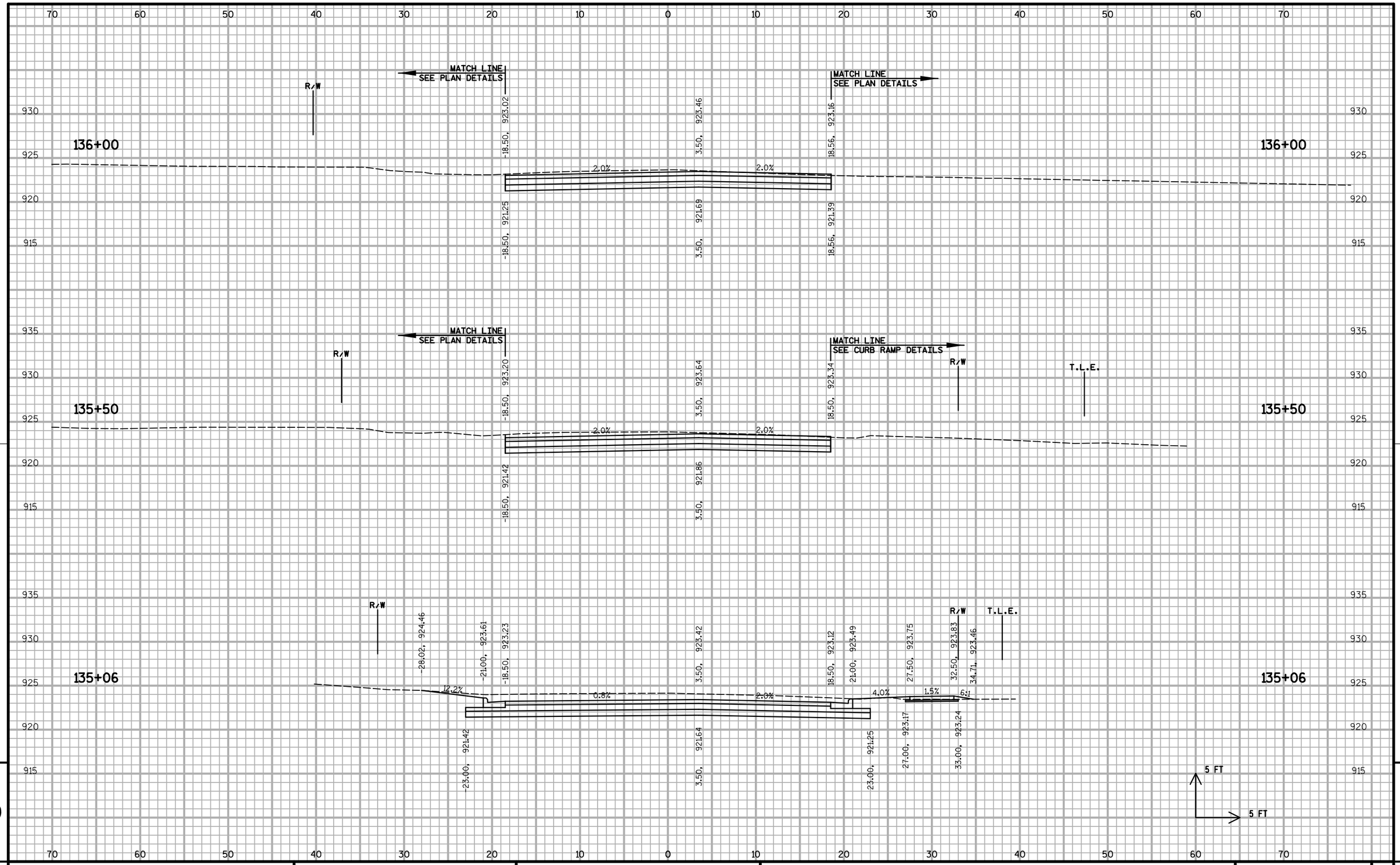
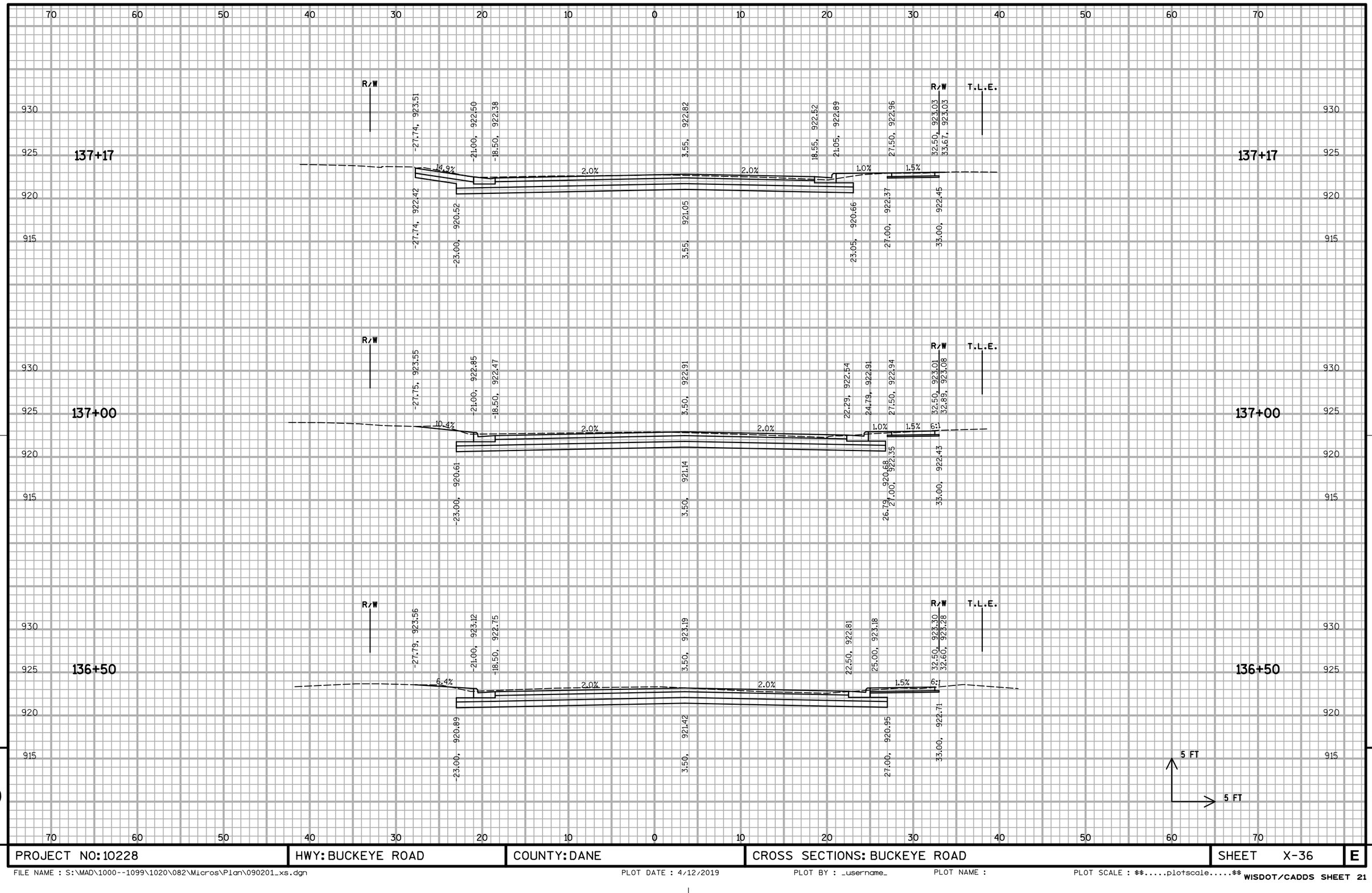
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-34	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-35	E



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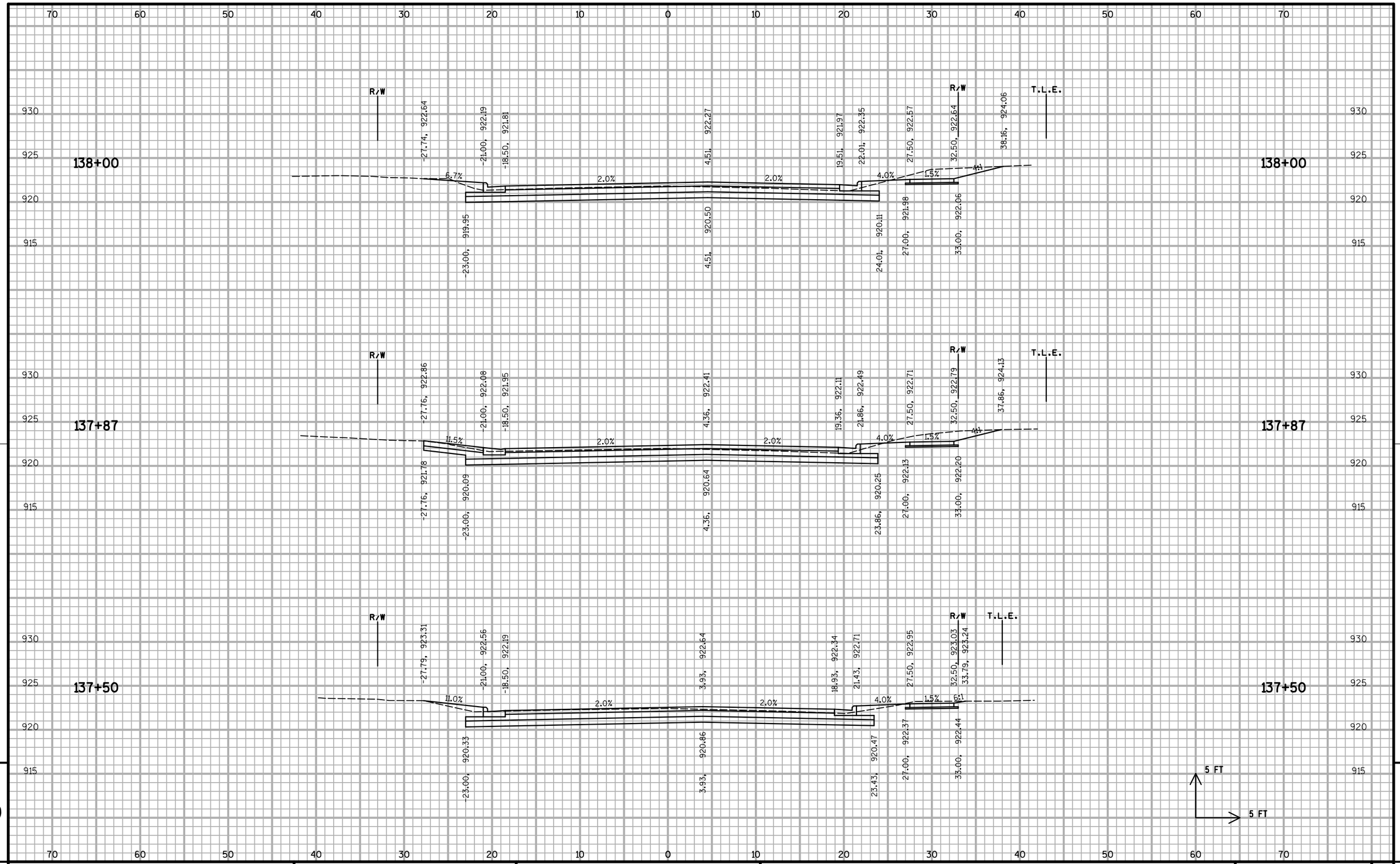
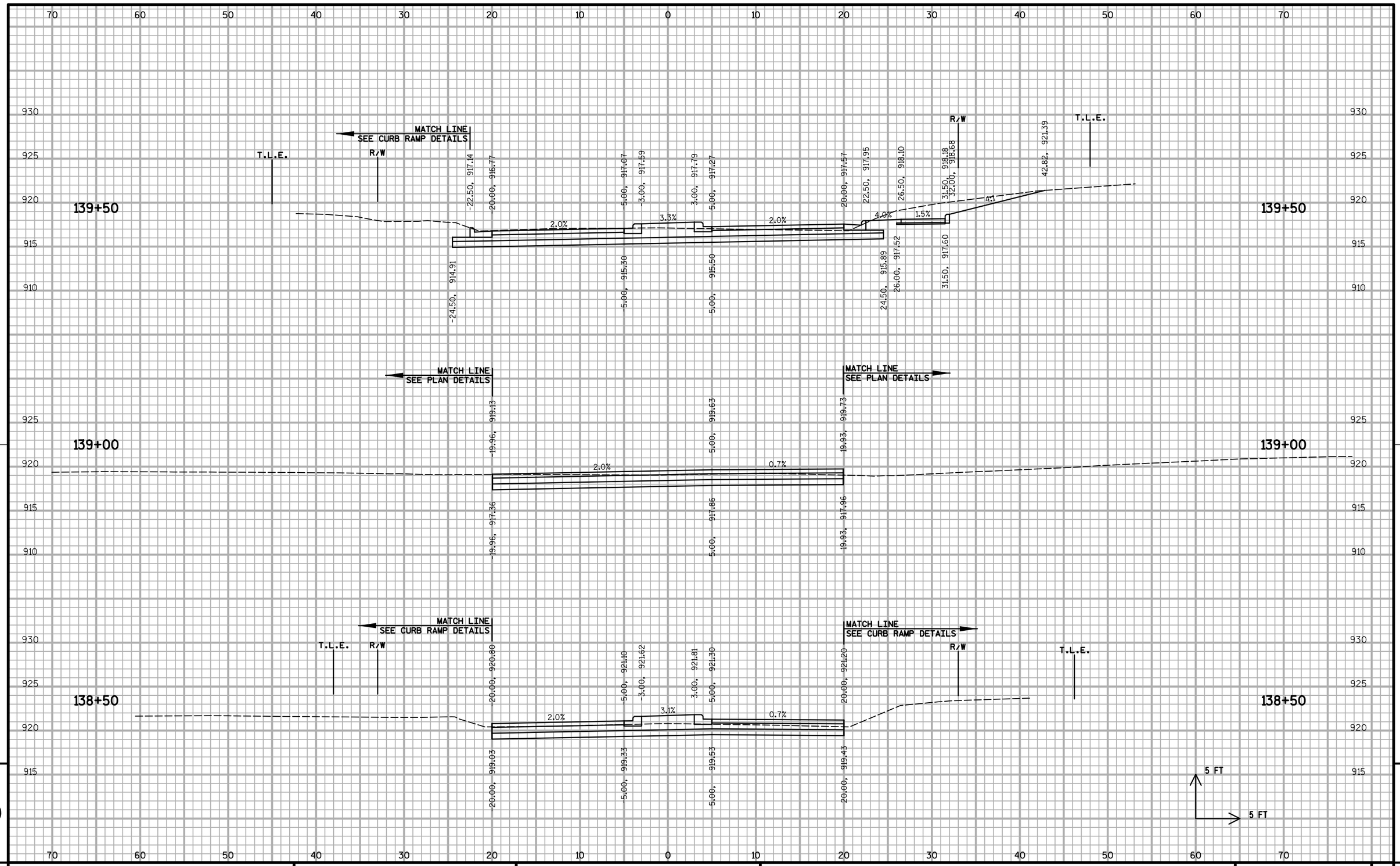
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-36	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



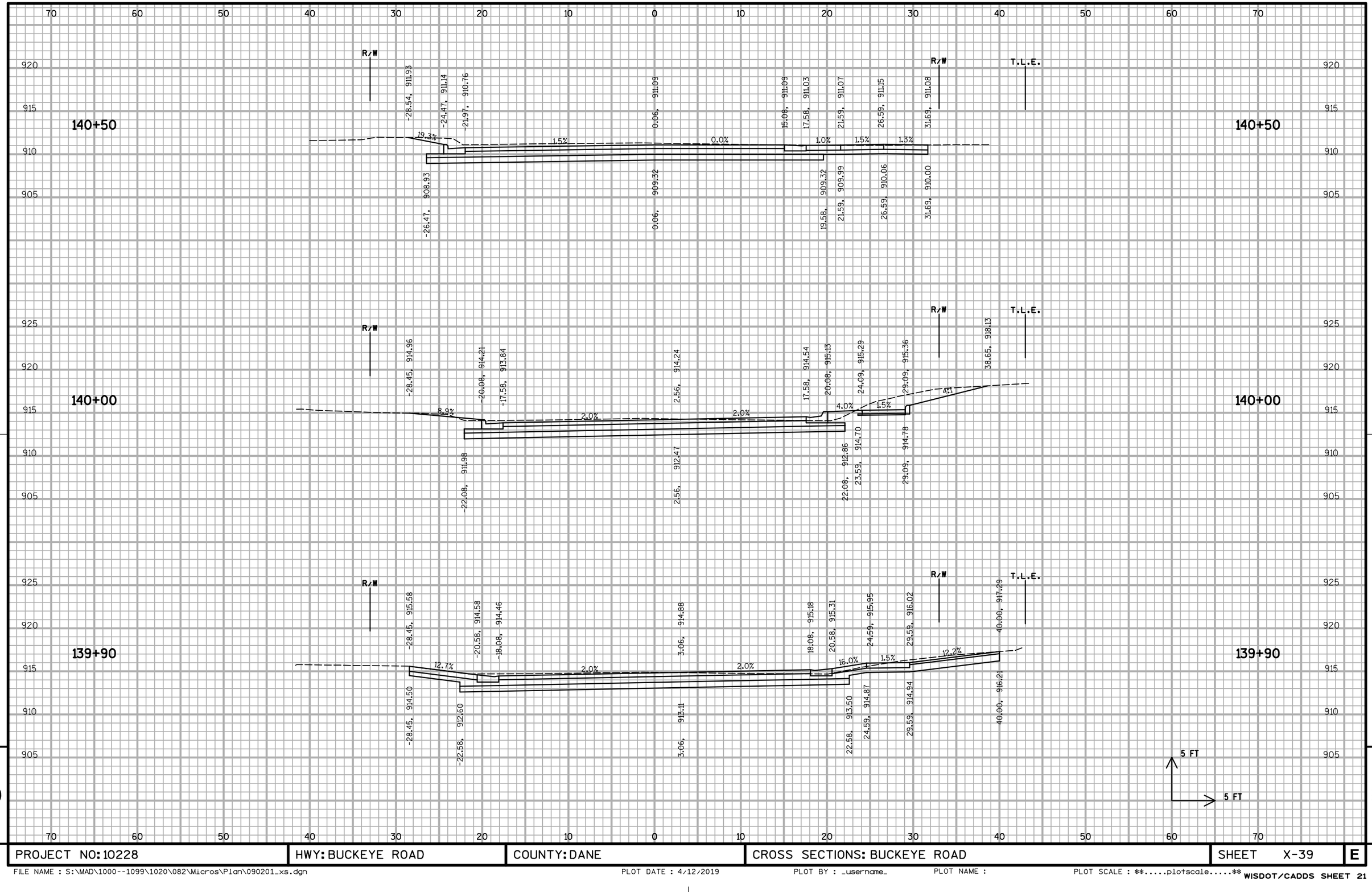
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-37	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-38	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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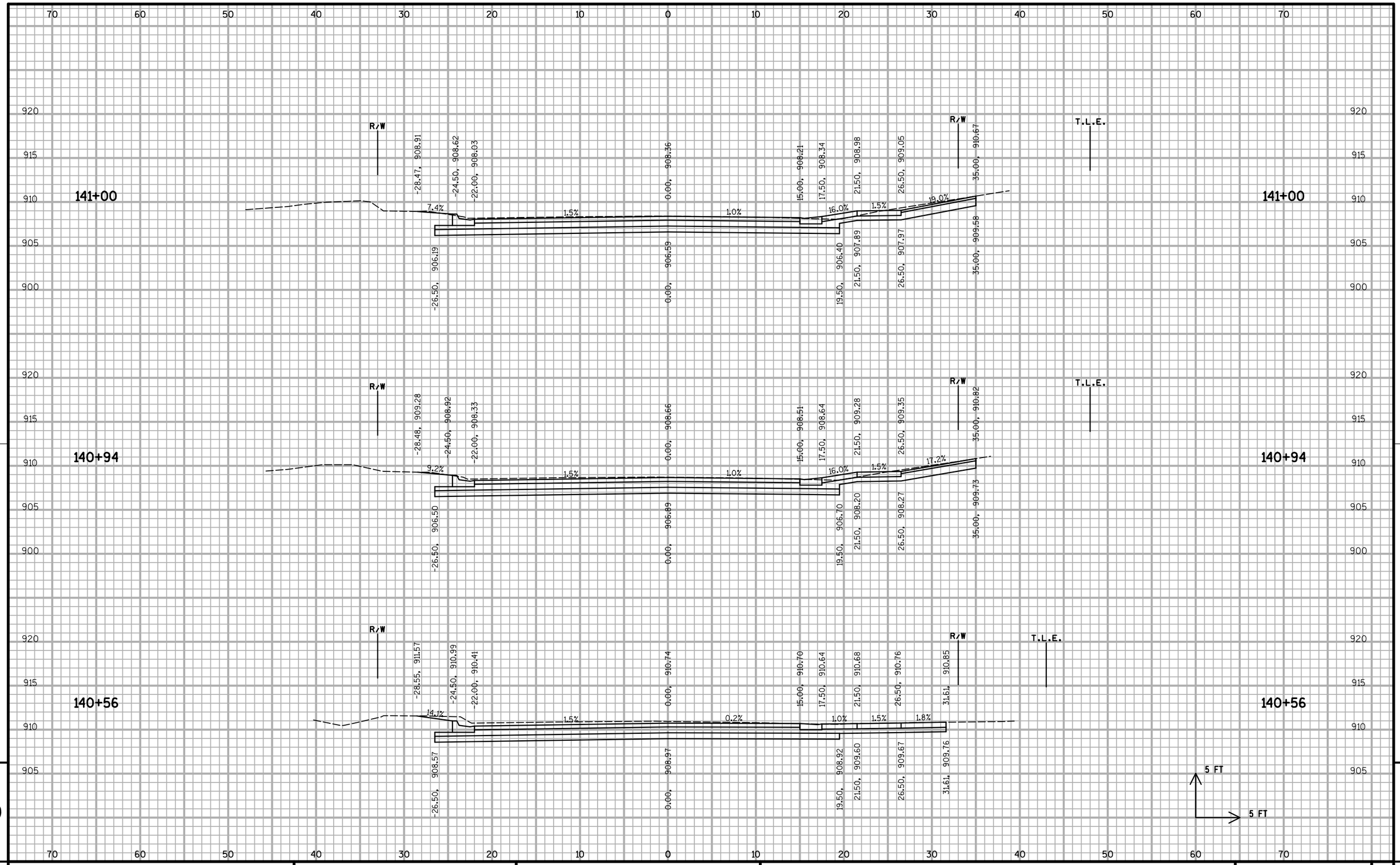
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-39	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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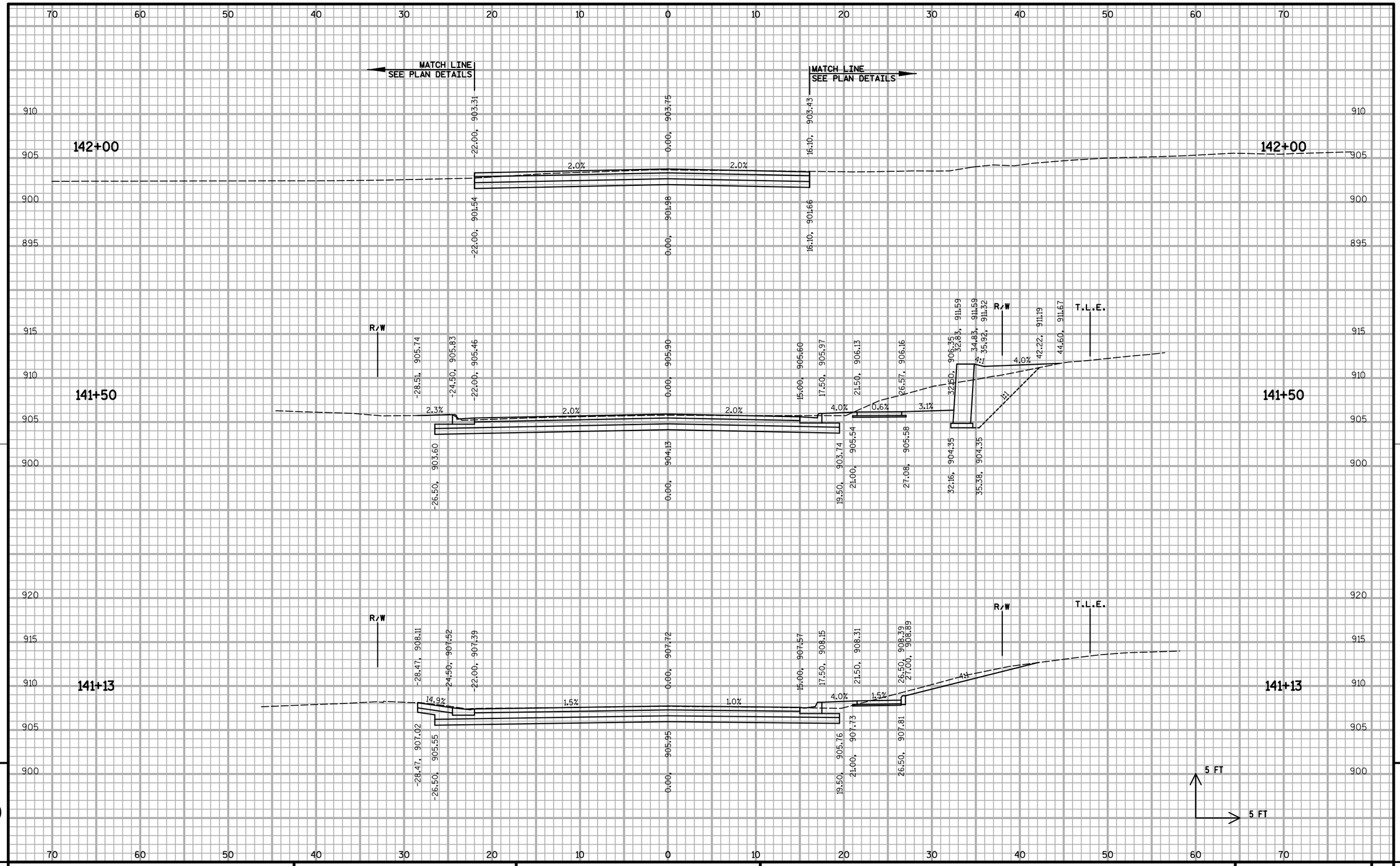
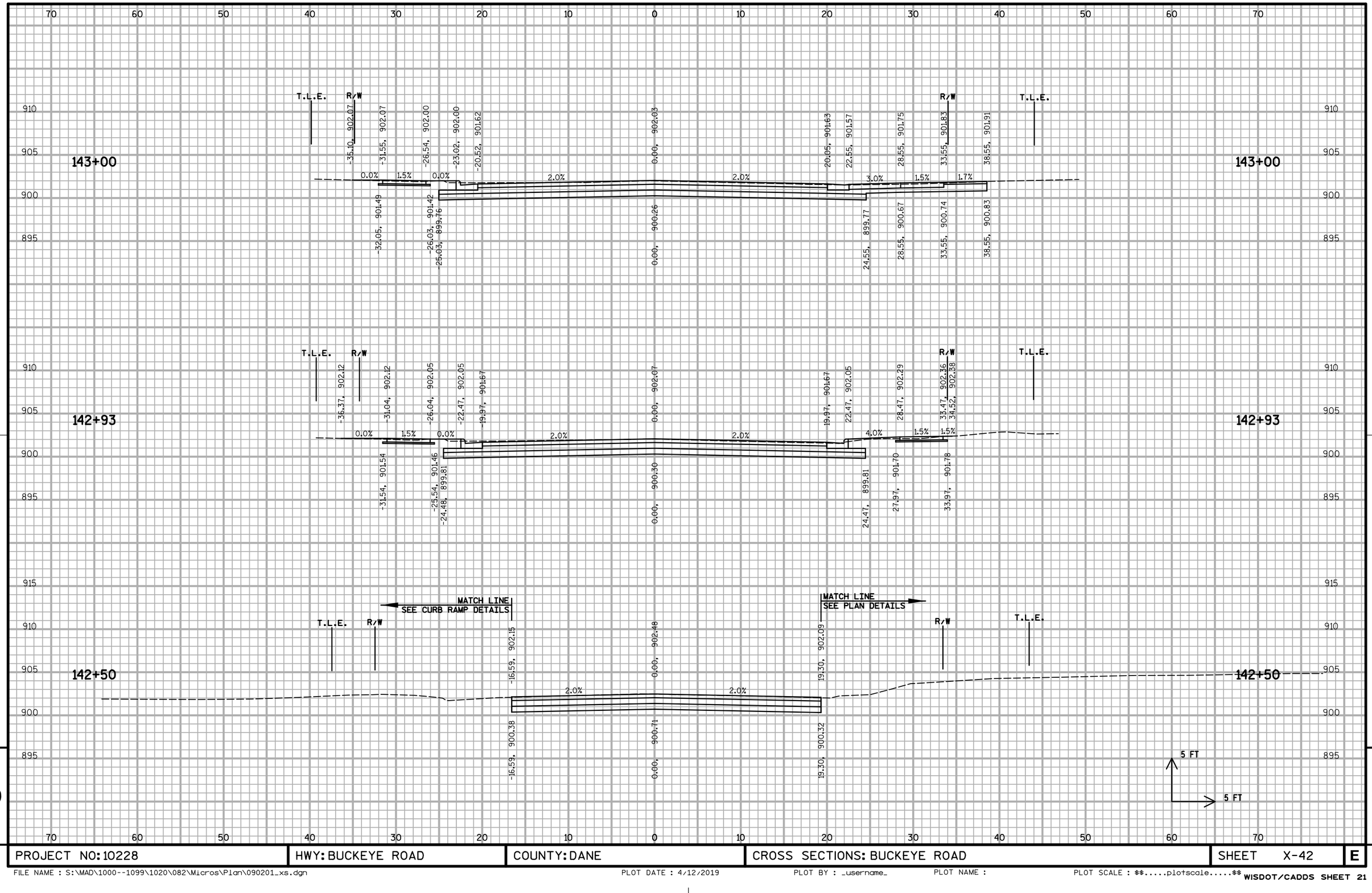
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-40	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-41	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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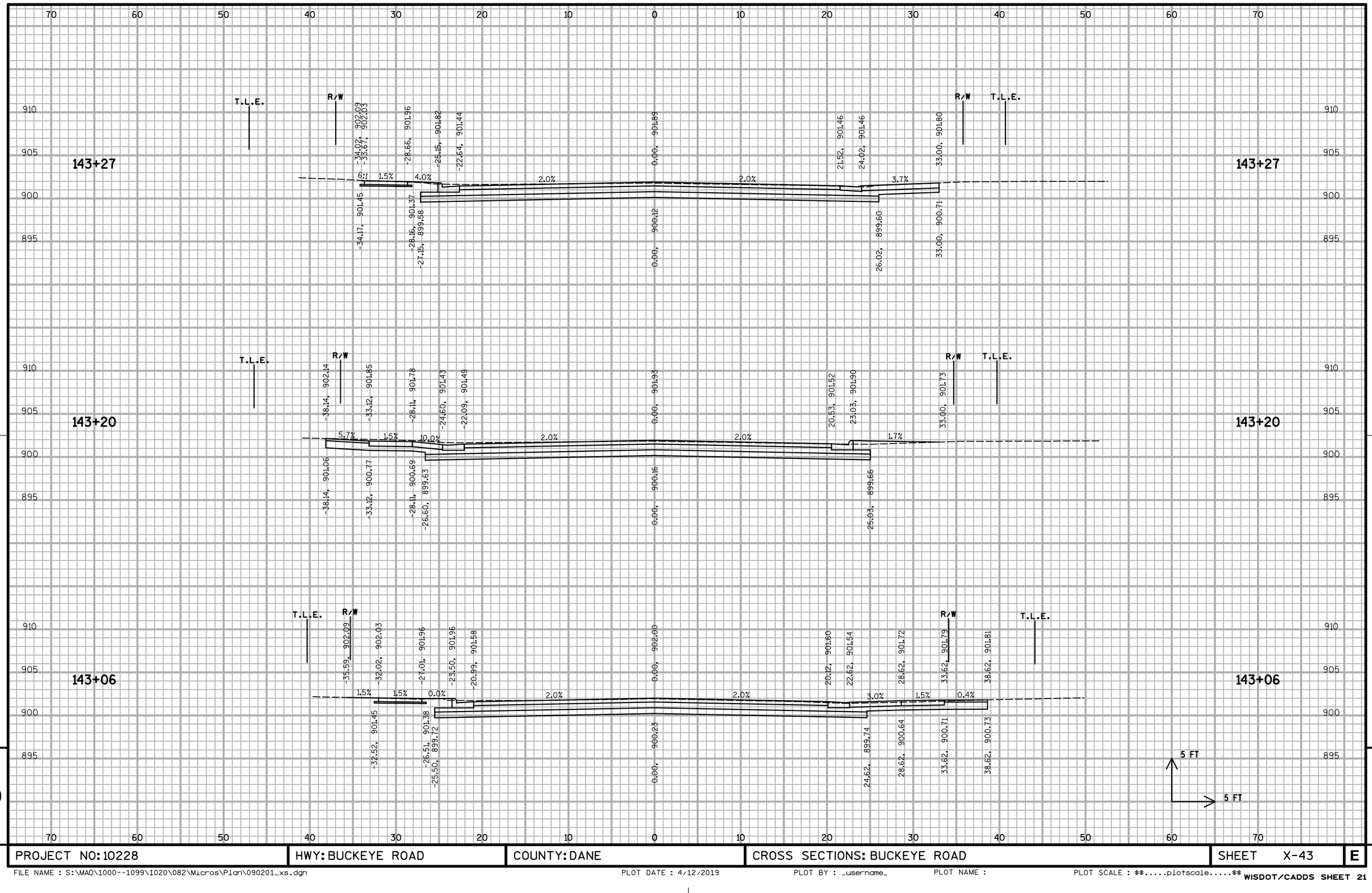
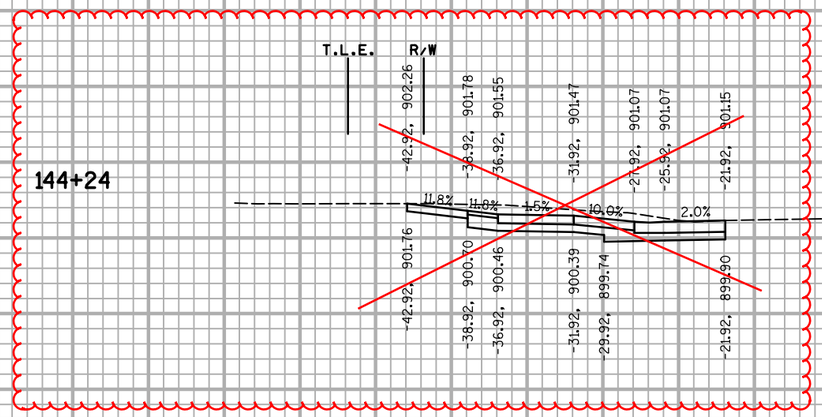
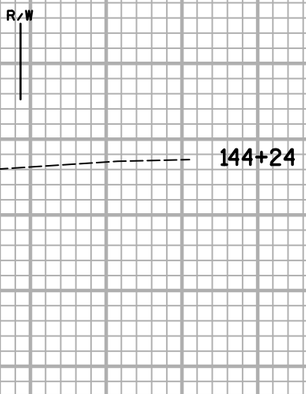
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-42	E

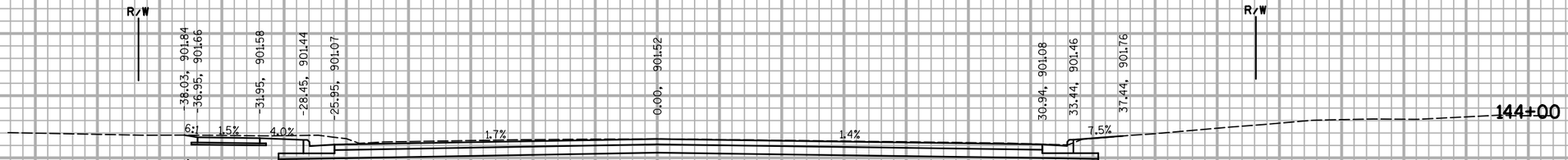


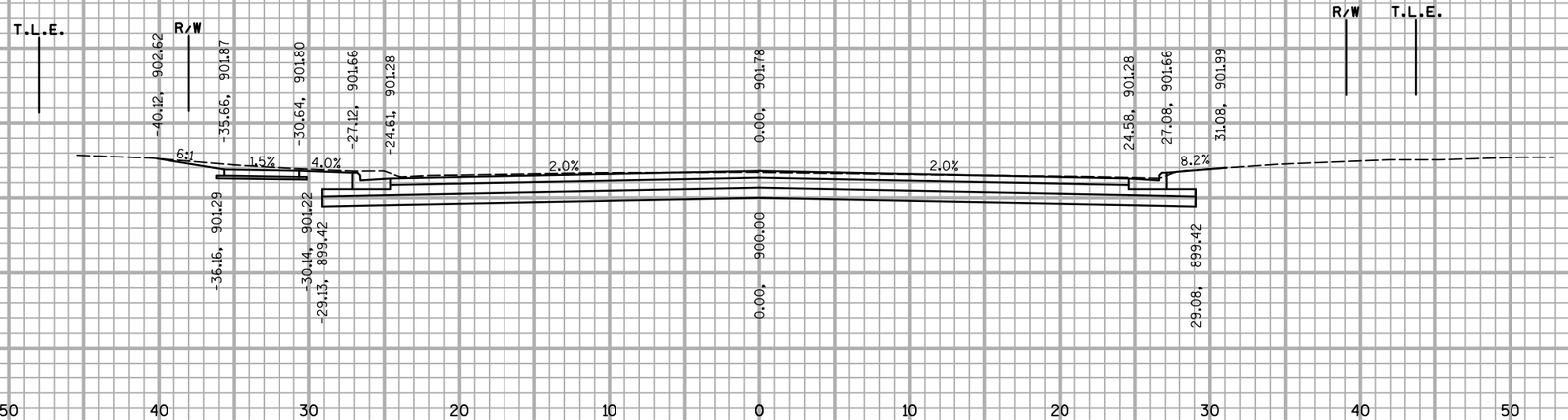
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-43	E

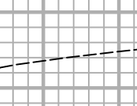
Driveway moved to
STA. 144+10 LT

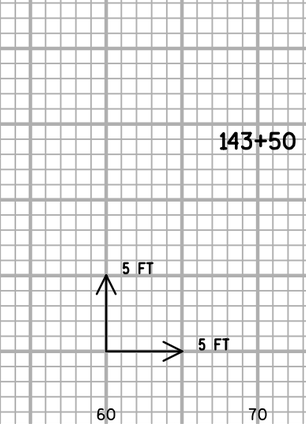












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PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-44	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/26/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

910
905
900
895
915

144+87

T.L.E.

-31.75, 901.64
-27.75, 901.08
-21.97, 900.91

13.8%

-29.75, 899.08
-21.97, 899.66

144+87

144+50

T.L.E.
R/W

-42.95, 902.13
-36.95, 901.42
-31.95, 901.35
-27.95, 900.95
-25.95, 900.95
-21.95, 901.03

11.8%
1.5%
10.0%
2.0%

-42.95, 901.04
-36.95, 900.34
-31.95, 900.26
-29.95, 899.62
-21.95, 899.78

R/W

144+50

5 FT
5 FT

9

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PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-45	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/12/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21