



Madison, Wisconsin
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CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

APRIL 19, 2016

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

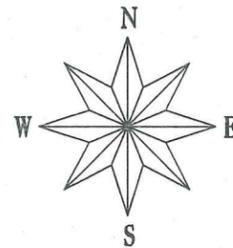
[Signature] 9/16/16
City Engineer Date

TENNYSON RIDGE APARTMENTS

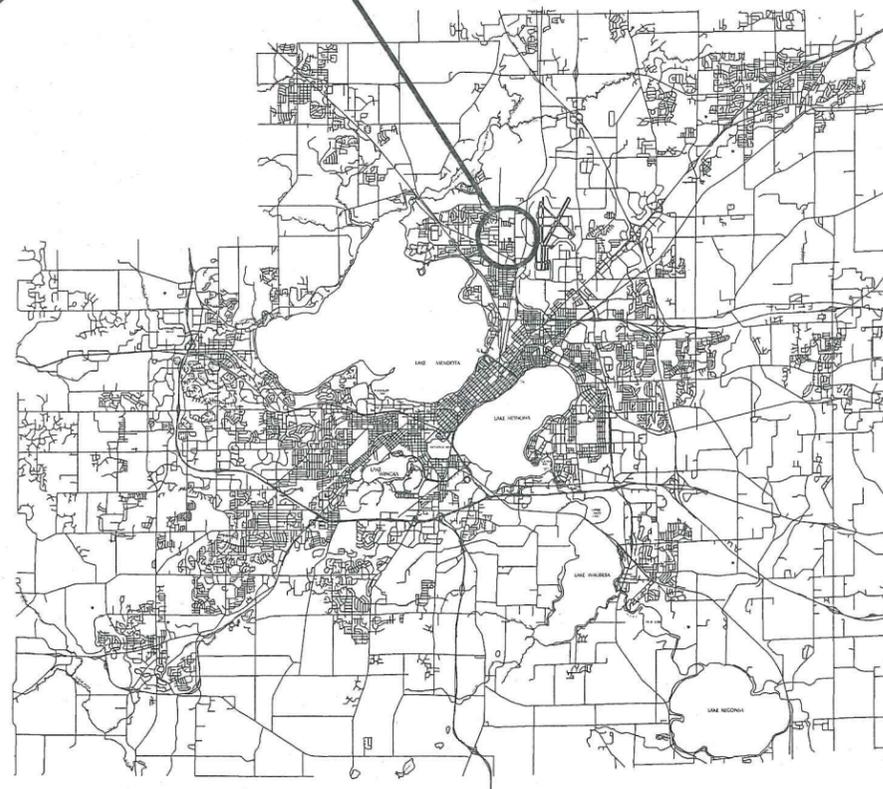
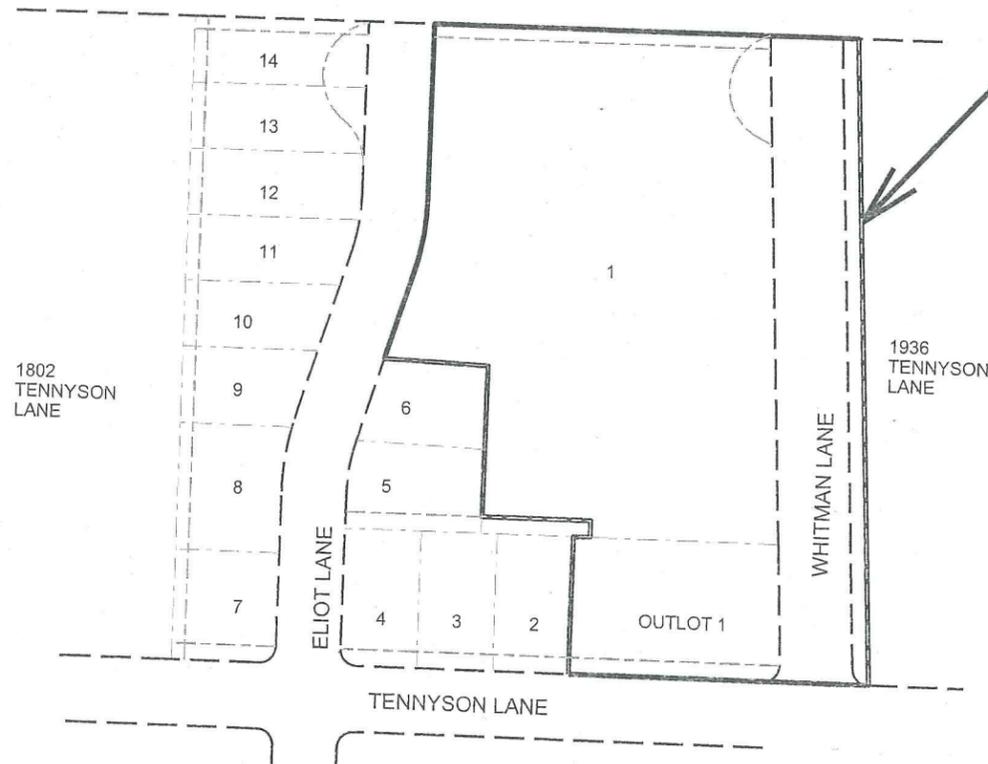
CITY PROJECT NO. 11177

CITY CONTRACT NO. 2376

MUNIS NO. 11177



PROJECT LOCATION



STREET DESIGNED BY:



OUTLOT 1 UTILITY AND POND DESIGNED BY:

SEE INDIVIDUAL SHEETS

STORM SEWER DESIGNED BY:



WATER DESIGNED BY:



SANITARY SEWER DESIGNED BY:



9/2/16

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

CONTRACTOR/DEVELOPER SHALL SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 10 WORKING DAYS PRIOR TO THE START OF WORK. WORK WITHIN THE RIGHT-OF-WAY SHALL NOT BEGIN UNTIL THE TRAFFIC CONTROL PLAN IS APPROVED.

ANY PAVEMENT MARKINGS THAT ARE REMOVED OR DAMAGED SHALL BE REPLACED BY THE DEVELOPER/CONTRACTOR AS DIRECTED BY CITY TRAFFIC ENGINEERING.

ALL PAVEMENT IN THE WHITMAN LANE RIGHT-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE TENNYSON LANE RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

UNDERDRAINS SHALL BE INSTALLED, PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADES OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.03. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4.00:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENT FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS ——— G ———

STORM SEWER ——— ST ———

SANITARY SEWER ——— SAN ———

WATER ——— W ———

OVERHEAD ELECTRIC ——— OH ———

POWER POLE 

ADA COMPLIANT RAMP W/
DETECTABLE WARNING FIELD 

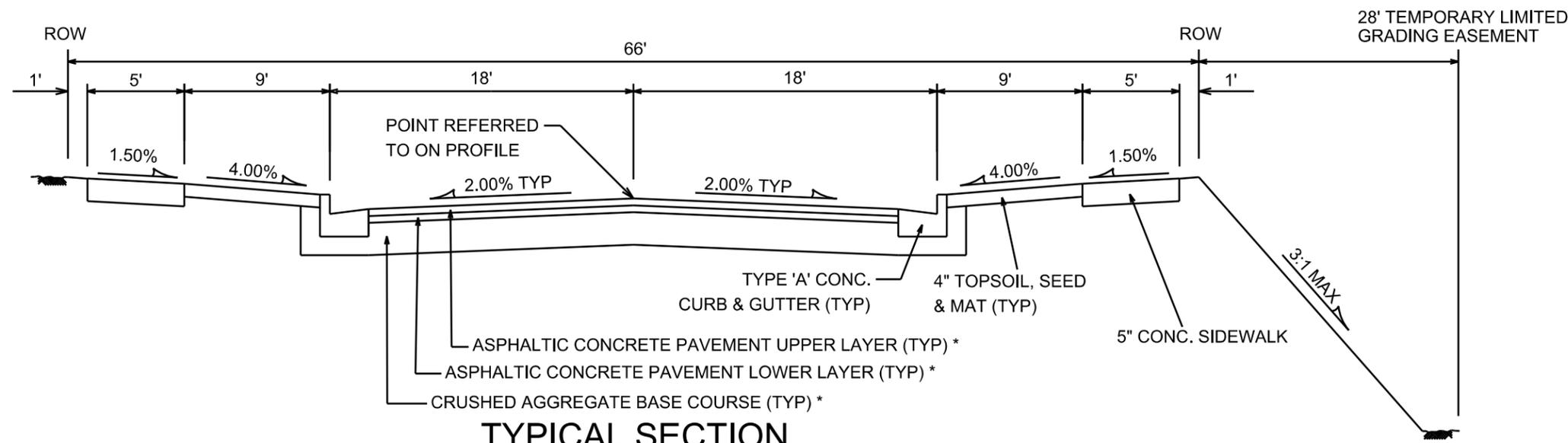
COMBUSTIBLE FLUIDS 

PLOT SCALE: _____

PLOT NAME: _____

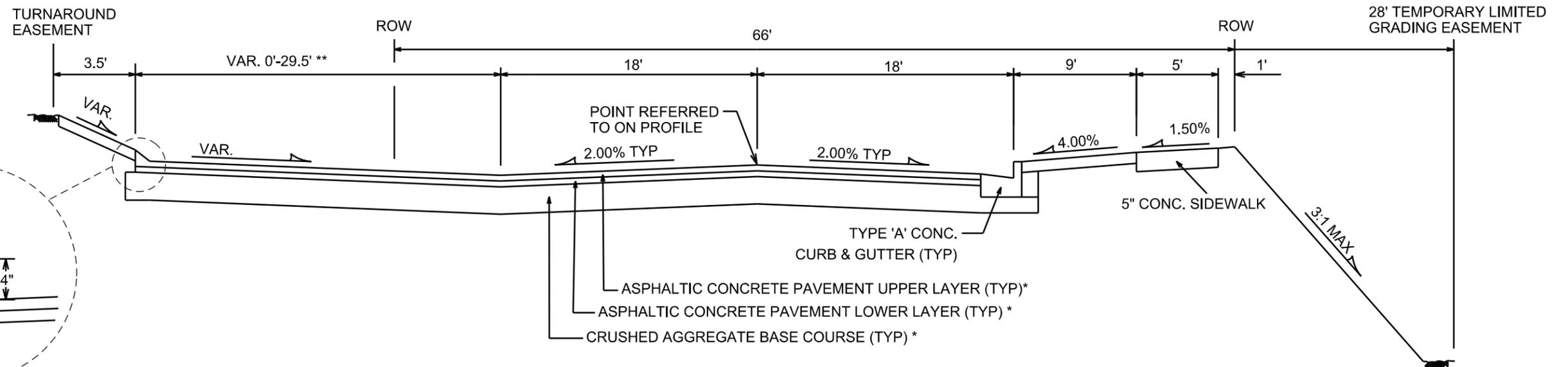
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



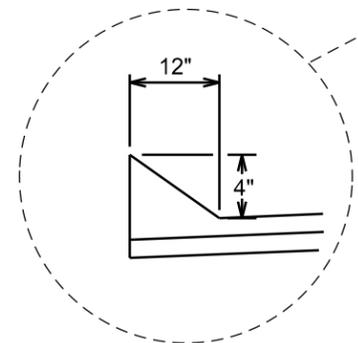
TYPICAL SECTION

WHITMAN LANE
STA 2+82 TO STA 7+94
NOT TO SCALE



TYPICAL SECTION

WHITMAN LANE TEMPORARY TURNAROUND
STA 7+94 TO STA 8+55
NOT TO SCALE



"CARLSON SCREED" RAISED
PAVEMENT EDGE***
NOT TO SCALE

* CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER TYPE	LOWER LAYER THICKNESS	UPPER LAYER TYPE	UPPER LAYER THICKNESS
A	6"	4"	E-0.3	1.75"	E-0.3	1.75"
B	6"	4"	E-1	2.50"	E-1	1.75"
C	6"	4"	E-3	3.50"	E-3	1.75"

NOTES:

* TYPE 'A' PAVEMENT SHALL BE USED ON WHITMAN LANE.

** SEE CROSS SECTIONS FOR OFFSETS, GRADES AND SLOPES.

*** INSTALL CARLSON SCREED RAISED PAVEMENT EDGE WITH ASPHALT PAVEMENT.

PLOT SCALE: _____

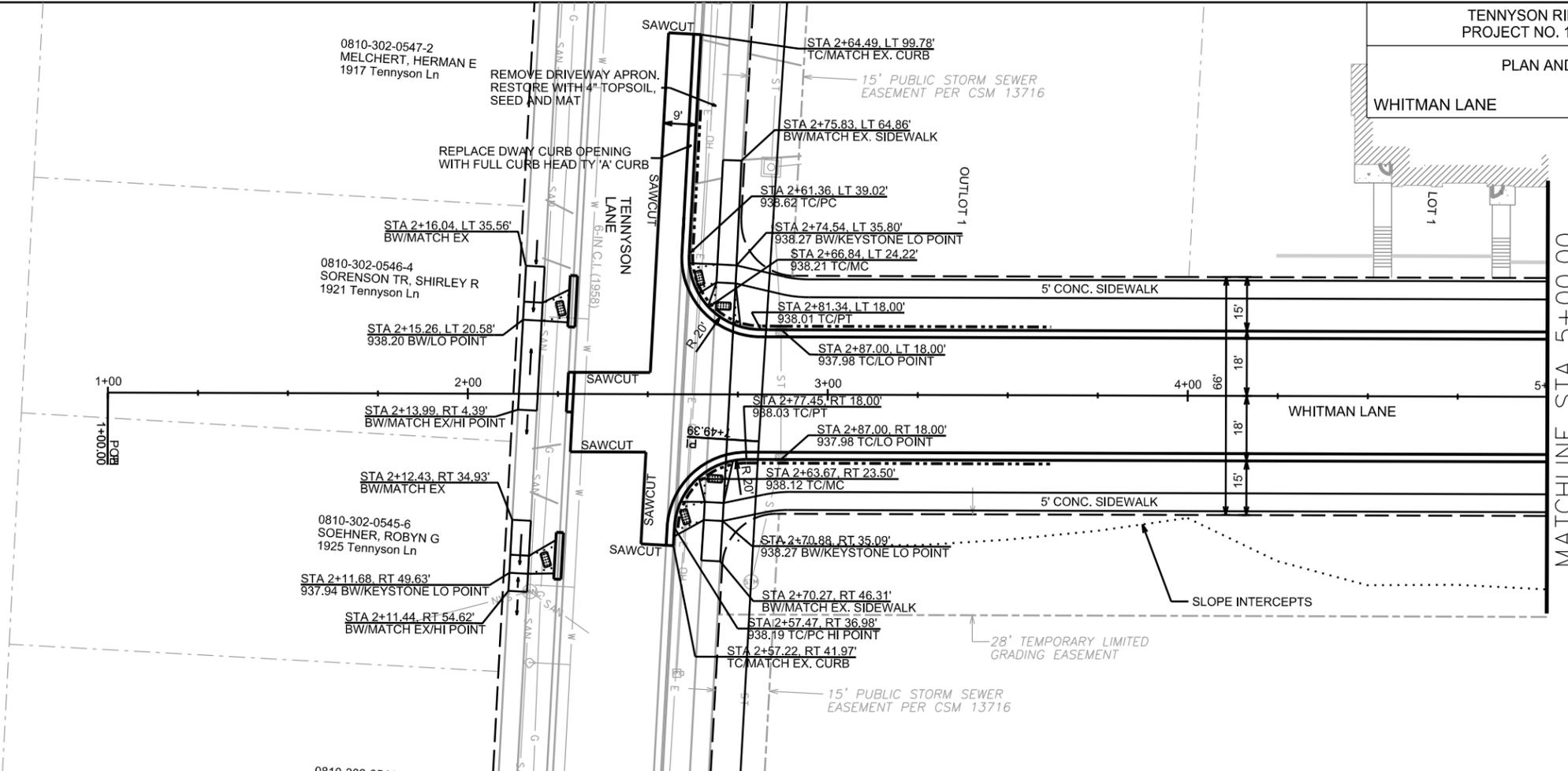
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REV. DATE: _____

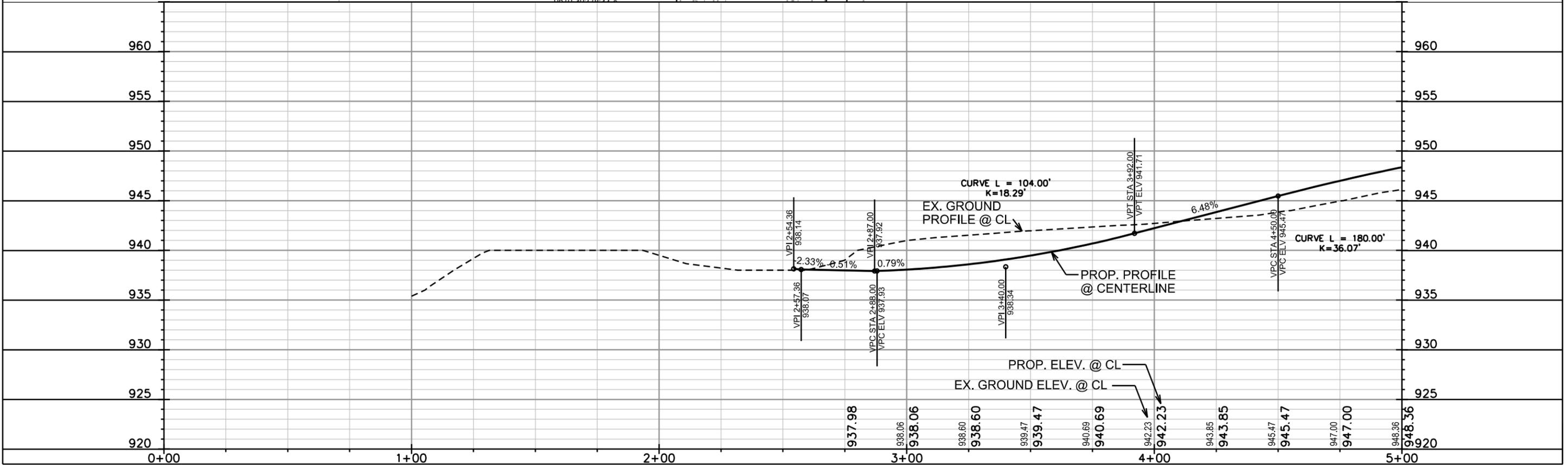
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

WHITMAN LANE CITY OF MADISON



MATCHLINE STA 5+00.00



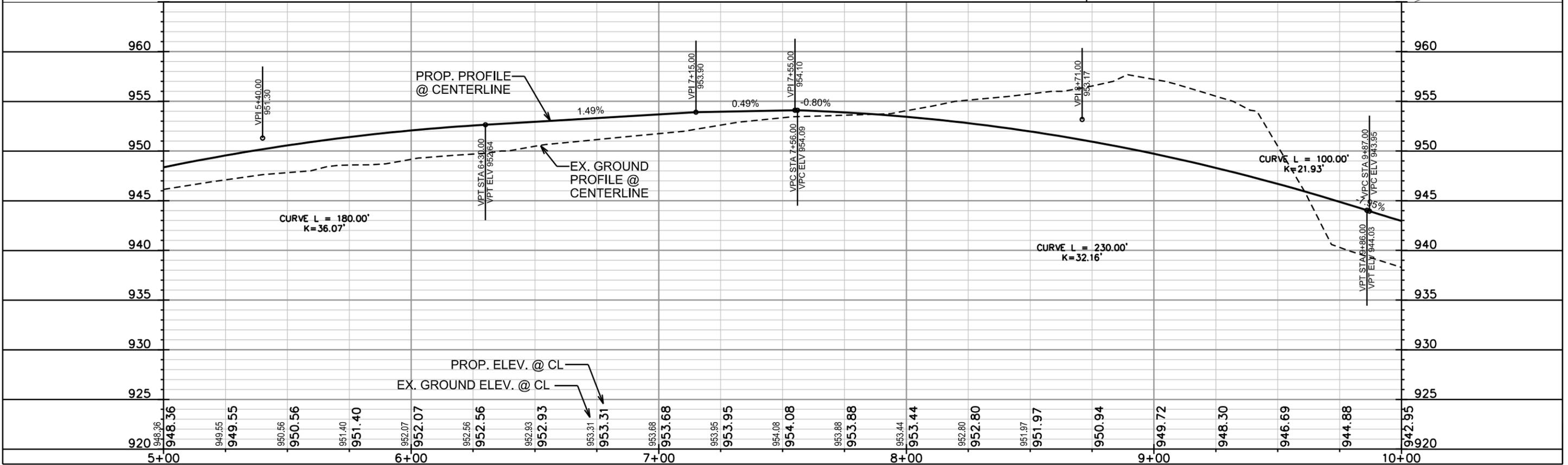
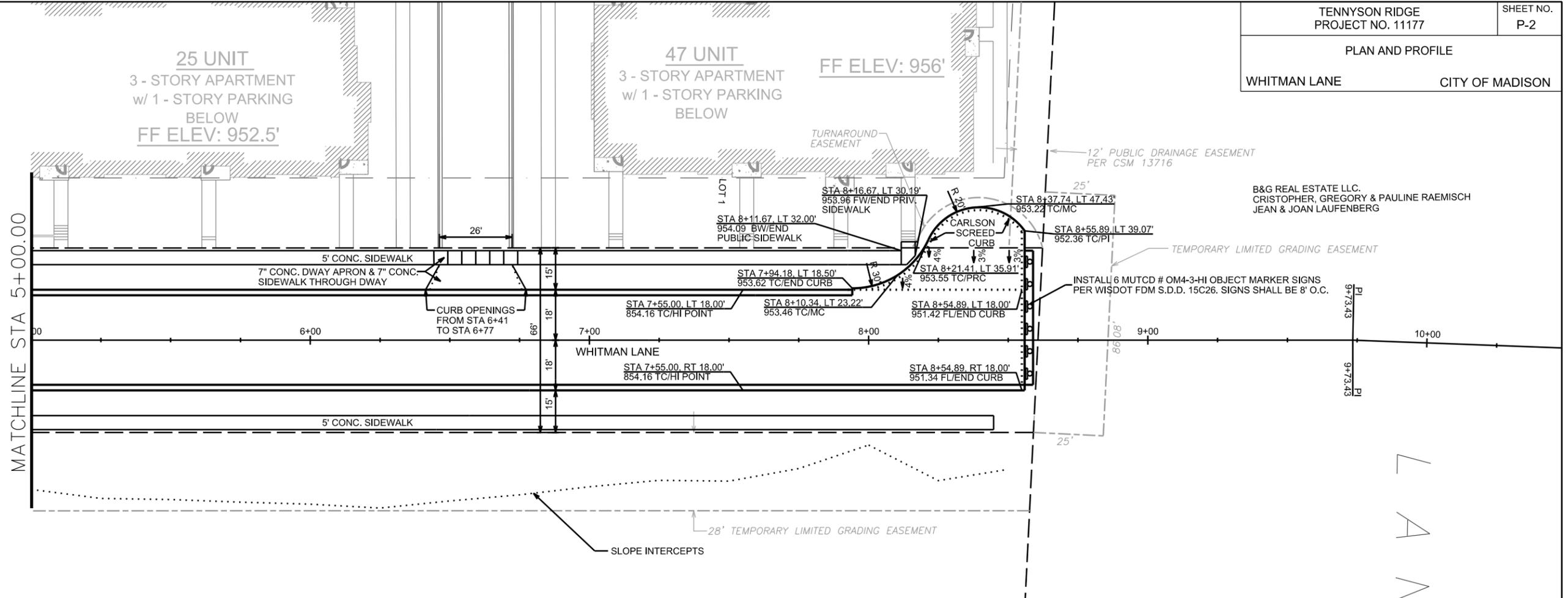
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

B&G REAL ESTATE LLC.
CRISTOPHER, GREGORY & PAULINE RAEMISCH
JEAN & JOAN LAUFENBERG



PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITY PLAN AND PROFILE

WHITMAN LANE CITY OF MADISON

NOTE: POND CONTOURS ARE FOR REFERENCE ONLY.
SEE STAMPED POND PLAN FOR POND DETAILS

0810-302-0547-2
MELCHERT, HERMAN E
1917 Tennyson Ln

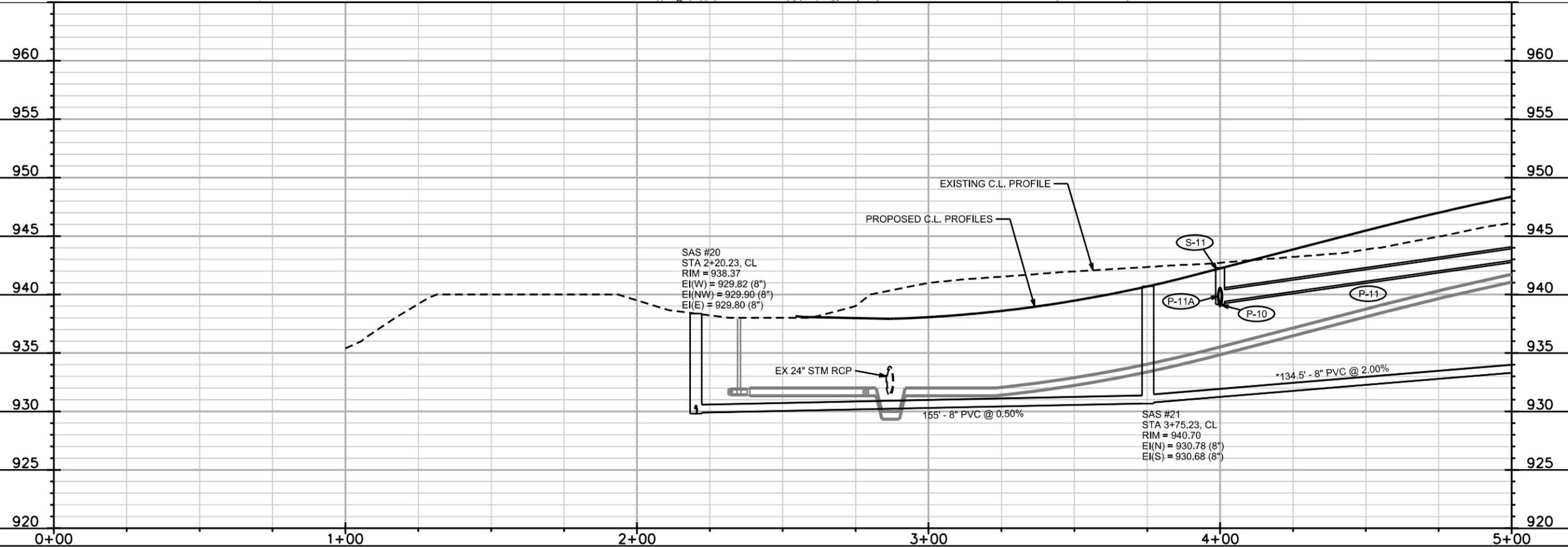
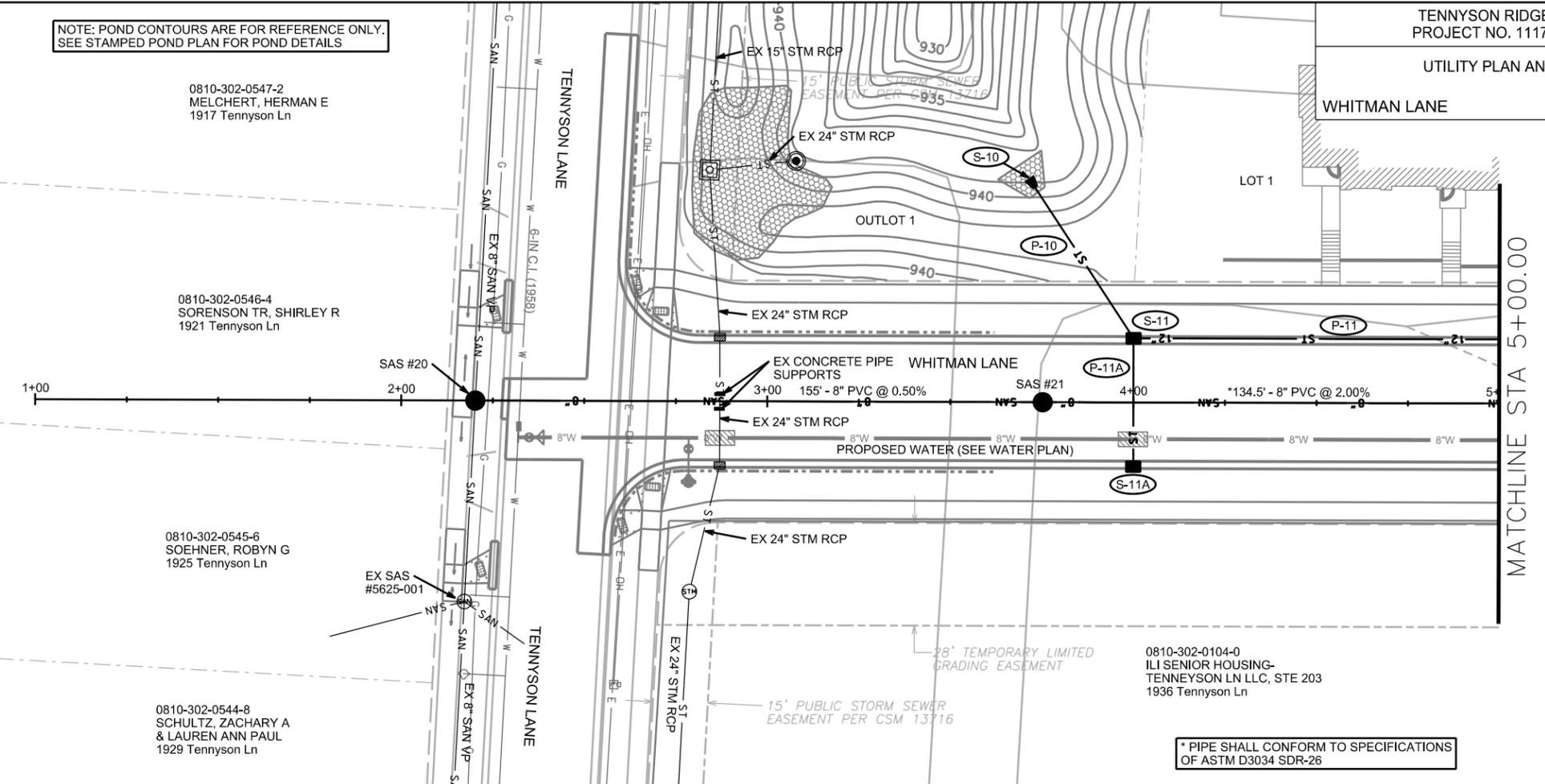
0810-302-0546-4
SORENSEN TR, SHIRLEY R
1921 Tennyson Ln

0810-302-0545-6
SOEHNER, ROBYN G
1925 Tennyson Ln

0810-302-0544-8
SCHULTZ, ZACHARY A
& LAUREN ANN PAUL
1929 Tennyson Ln

0810-302-0104-0
ILI SENIOR HOUSING-
TENNEYSON LN LLC, STE 203
1936 Tennyson Ln

* PIPE SHALL CONFORM TO SPECIFICATIONS
OF ASTM D3034 SDR-26



SAS #20
STA 2+20.23, CL
RIM = 938.37
EI(W) = 929.82 (8")
EI(NW) = 929.90 (8")
EI(E) = 929.80 (8")

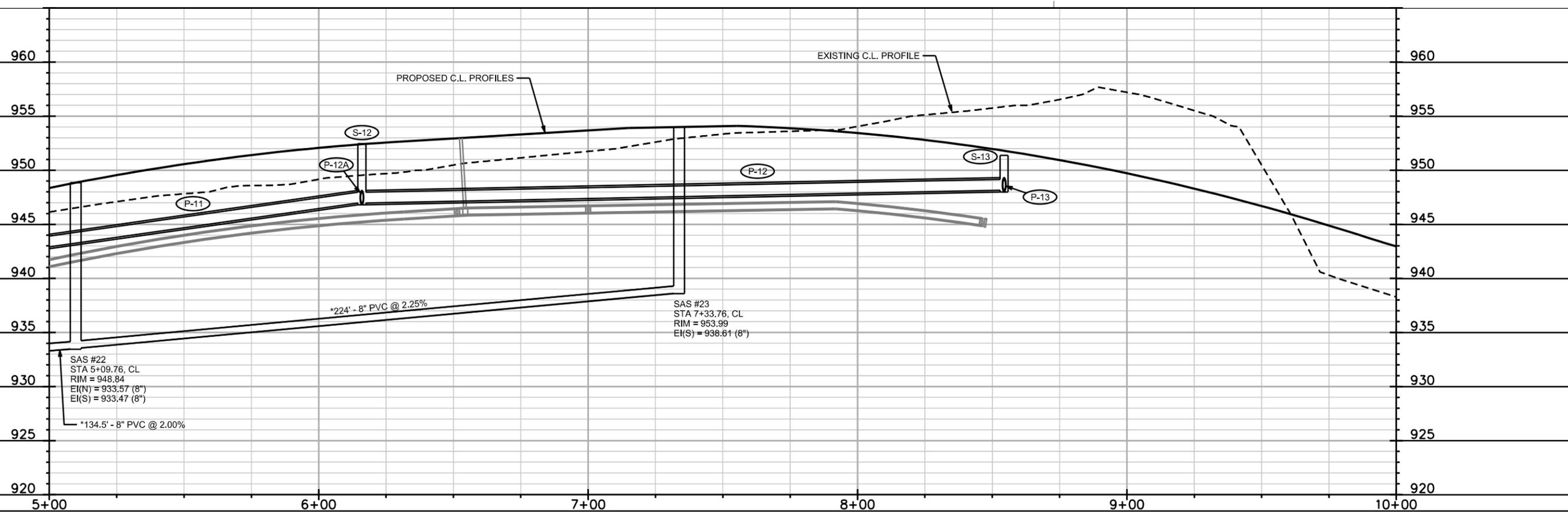
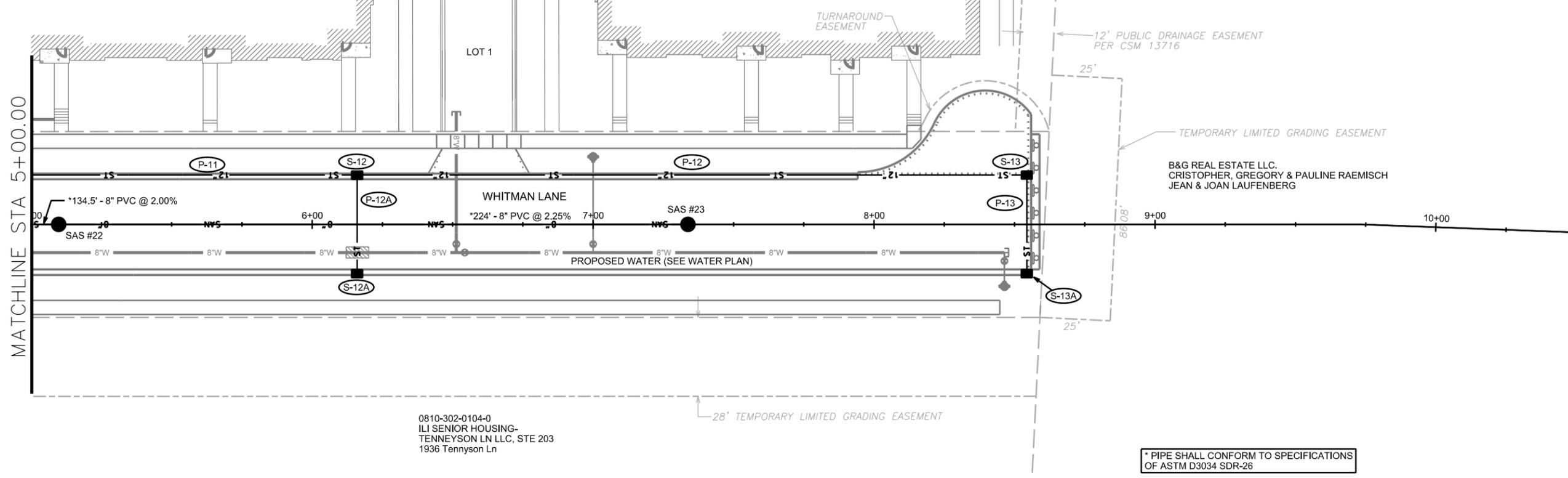
SAS #21
STA 3+75.23, CL
RIM = 940.70
EI(N) = 930.78 (8")
EI(S) = 930.68 (8")

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

TENNYSON RIDGE
PROJECT NO. 11177

SHEET NO.
U-3

SANITARY SEWER SCHEDULE

WHITMAN LN

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
WHITMAN LANE						
SAS #20	2+20.23	CL	938.37	929.80	8.57	-
SAS #21	3+75.23	CL	940.70	930.68	10.02	-
SAS #22	5+09.76	CL	948.84	933.47	15.37	-
SAS #23	7+33.76	CL	953.99	938.61	15.38	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
WHITMAN LANE								
SAS #20	SAS #21	929.90	930.68	155	0.50%	8"	SDR-35	
SAS #21	SAS #22	930.78	933.47	134.5	2.00%	8"	SDR-26	-
SAS #22	SAS #23	933.57	938.61	224	2.25%	8"	SDR-26	-

SPECIFIC NOTES

STORM SEWER SCHEDULE

TENNYSON RIDGE
PROJECT NO. 11177

SHEET NO.
U-4

STORM SEWER SCHEDULE

WHITMAN LANE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
WHITMAN LANE							
S-10	3+71.32	LT-61.11	15" RCP AE	-	938.90	-	W/GATE
S-11	4+00.00	LT-17.50	H INLET	942.29	939.16	3.13	FP, W/R-3067-7004-V
S-11A	4+00.00	RT-17.50	H INLET	942.29	939.59	2.70	W/R-3067-7004-V
S-12	6+16.00	LT-17.50	H INLET	952.46	946.97	5.49	W/R-3067-7004-V
S-12A	6+16.00	RT-17.50	H INLET	952.46	947.30	5.16	W/R-3067-7004-V
S-13	8+54.39	LT-17.50	H INLET	951.42	948.15	3.27	(2), W/R-1878-B7G
S-13A	8+54.39	RT-17.50	H INLET	951.84	948.33	3.51	W/R-3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
WHITMAN LANE										
P-10	S-10	S-11	938.90	939.16	52.5	51	0.51%	15"	RCP	(1)
P-11	S-11	S-12	939.41	946.97	216	213	3.55%	12"	RCP	-
P-11A	S-11	S-11A	939.41	939.59	35	33	0.55%	12"	RCP	-
P-12	S-12	S-13	946.97	948.15	238.5	235.4	0.50%	12"	RCP	-
P-12A	S-12	S-12A	946.97	947.30	35	33	1.00%	12"	RCP	-
P-13	S-13	S-13A	948.15	948.33	35	33	0.55%	12"	RCP	-

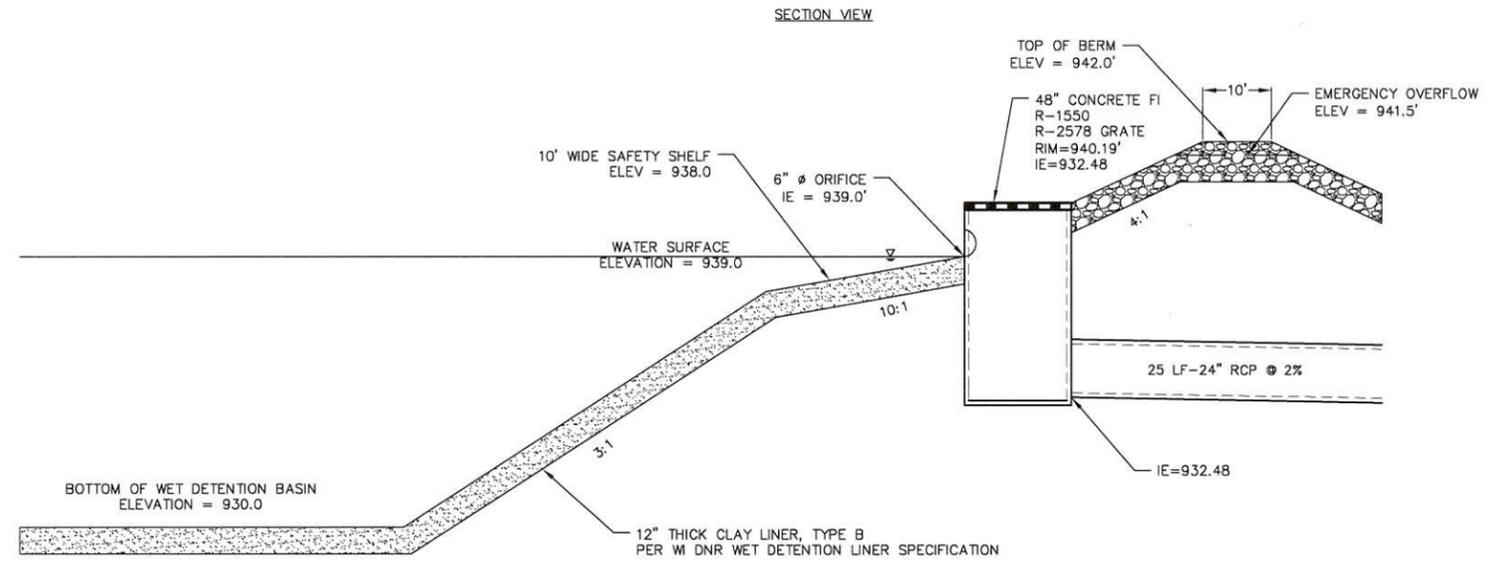
NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

SPECIFIC NOTES

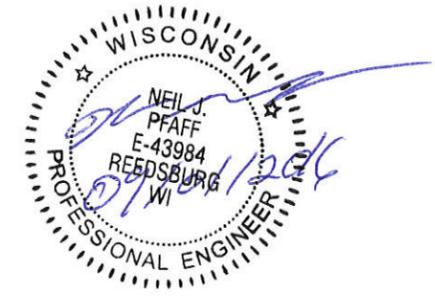
- (1) PLAN AND PIPE LENGTH INCLUDES THE LENGTH OF THE APRON ENDWALL.
- (2) T.O.C. ELEVATION IS THE ELEVATION OF CURB FLOWLINE.

STANDARD NOTES:

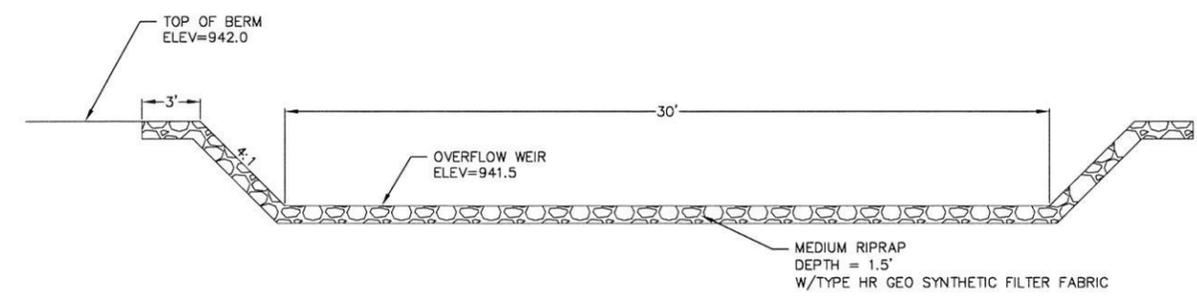
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.



1 WET POND DETAIL
CS.1 NOT TO SCALE



OWNER:
THE T.W. SATHER COMPANY
6527 NORMANDY LANE, SUITE 201
MADISON, WI 53719



2 OVERFLOW WEIR - WET POND
CS.1 NOT TO SCALE

PROJECT:
PROPOSED DEVELOPMENT FOR:
MADISON, WISCONSIN
WHITMAN LANE
MADISON, WISCONSIN

SHEET ISSUE:
MARCH 24, 2016
SEE TITLE SHEET TO CONFIRM
THAT THIS SHEET HAS BEEN
ISSUED FOR CONSTRUCTION
REVISIONS:

JOB NUMBER:
1421580
SHEET

C5.1

DETAILS
SCALE: N.T.S.

DETENTION BASIN PLANT LIST

Symbol	Botanical name	Common Name	Size	Root	Quantity
SWO	Quercus Bicolor	Swamp White Oak	2 1/2"	BB	5
ABS	Amelanchier Grandiflora 'AB'	A B Serviceberry	6'	BB	0
RBC	Betula Nigra	River Birch Clump	10'	BB	3
WB	Betula Paperifera 'Whitespire'	Whitespire Birch	10'	BB	3
IJ	Juniperus Chinensis 'Iowa'	Iowa Juniped	4'	BB	8
GD	Cornus Racemosa	Grey Dogwood	30"	Pot	5
RTD	Cornus Serecia	Red Twig Dogwood	30"	Pot	14
YTD	Cornus Lutea	Yellow Twig Dogwood	30"	Pot	5

NOTES:

1. NATIVE TURF AREAS TO RECEIVE A MINIMUM OF 4" TOPSOIL, SEED (SHORT GRASS PRAIRIE SEED MIX FOR MEDIUM SOILS, AS SUPPLIED BY PRAIRIE NURSERY, WESTFIELD, WISCONSIN), FERTILIZER, AND EROSION CONTROL MATTING.
2. INDIVIDUAL TREES AND SHRUB GROUPINGS TO RECEIVE SHREDDED HARDWOOD BARK MULCH PLAN RINGS (4' DIAMETER) SPREAD TO A DEPTH OF 3".
3. OWNER WILL PROVIDE A MANAGEMENT PLAN FOR THE ONGOING MAINTENANCE OF THE PRAIRIE TURF AREAS.

SEED MIXES AND MAINTENANCE:				
SEED TYPE A (Lawn Mix):				
50% Kentucky Blue Grass				
25% Creeping Red Fescue				
25% Perennial Rye Grass				
SEED TYPE B (Dry Shortgrass Mix)				
Scientific	Common	% Mix	PLS lbs	Seeds/SF
Bouteloua curtipendula	Side-oats Grama	35.00%	3.50	7.71
Bromus kalmii	Prairie Brome	25.00%	2.50	7.35
Carex bicknellii	Copper-Shouldered Oval Sedge	2.50%	0.25	1.56
Carex brevior	Plains Oval Sedge	2.50%	0.25	2.66
Schizachyrium scoparium	Little Bluestem	25.00%	2.50	13.77
Sporobolus heterolepis	Prairie Dropseed	10.00%	1.00	5.88
SEED TYPE C (Stormwater Mix)				
Scientific	Common	PLS oz./Acra		
Permanent Grasses				
Carex cristatella	Crested Oval Sedge	1.00		
Carex lurida	Bottlebrush Sedge	2.00		
Carex vulpinoidea	Brown Fox Sedge	6.00		
Elymus virginicus	Virginia Wild Rye	12.00		
Glyceria striata	Fowl Manna Grass	1.25		
Juncus effusus	Common Rush	1.00		
Juncus torreyi	Torrey's Rush	0.25		
Leersia oryzoides	Rice Cut Grass	1.00		
Panicum virgatum	Switch Grass	8.00		
Scirpus atrovirens	Dark Green Rush	1.00		
Scirpus cyperinus	Wool Grass	0.50		
Scirpus fl uvatilis	River Bulrush	0.25		
Scirpus validus	Great Bulrush	6.00		
Temporary Cover				
Avena sativa	Common Oat	360.00		
Lolium multiflorum	Annual Rye	100.00		
Forbs & Shrubs				
Ailisma spp.	Water Plantain Mix	4.25		
Asclepias incarnata	Swamp Milkweed	1.50		
Bidens spp.	Bidens Mix	2.00		
Helianthem autumnale	Sneezeweed	2.00		
Lycopus americanus	Common Water Horsehound	0.25		
Mimulus ringens	Monkey Flower	1.00		
Penthorum sedoides	Ditch Stonecrop	0.50		
Polygonum pennsylvanicum	Pinkweed	4.00		
Rudbeckia subtomentosa	Sweet Black-Eyed Susan	1.00		
Sagittaria latifolia	Common Arrowhead	1.00		
Senna hebecarpa	Wild Senna	1.00		
Thalictrum dasycarpum	Purple Meadow Rue	2.00		



100 CAMERON DRIVE
FOXD LAKE, WI 53008
PHONE: 608.836.8888
FAX: 608.836.8877

Always a Better Plan

OWNER:
THE T. W. SATHER COMPANY
6527 NORMANDY LANE, SUITE 201
MADISON, WISCONSIN

PROJECT:
PROPOSED DEVELOPMENT FOR:
TENNYSON RIDGE
WHITMAN LANE
MADISON, WISCONSIN

SHEET ISSUE:
MARCH 24, 2016

SEE TITLE SHEET TO CONFIRM
THAT THIS SHEET HAS BEEN
ISSUED FOR CONSTRUCTION

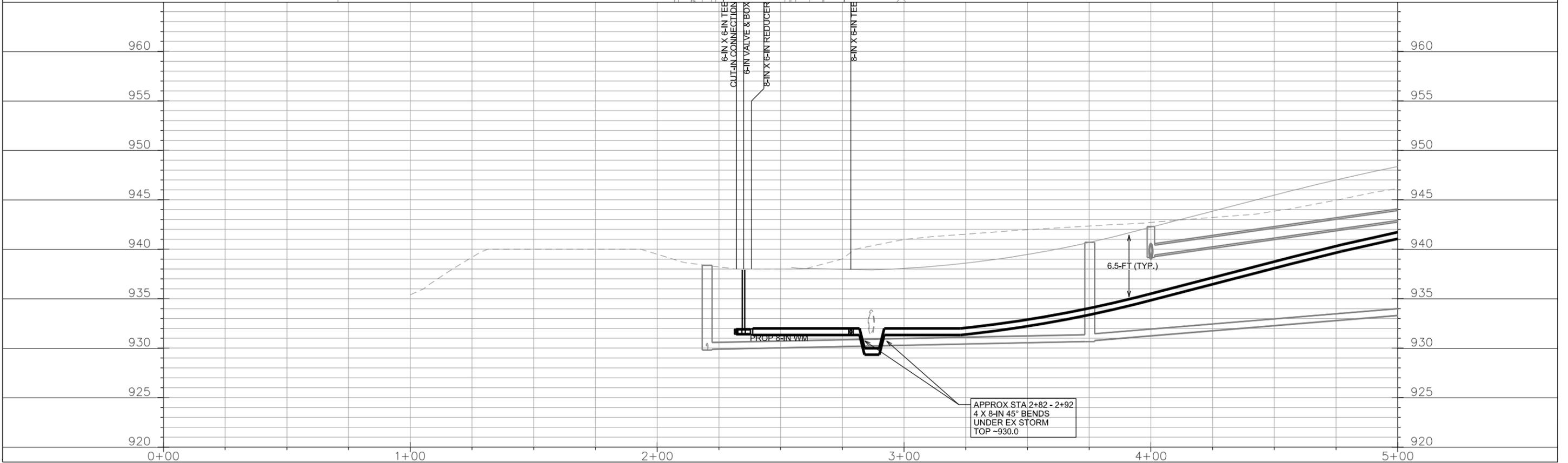
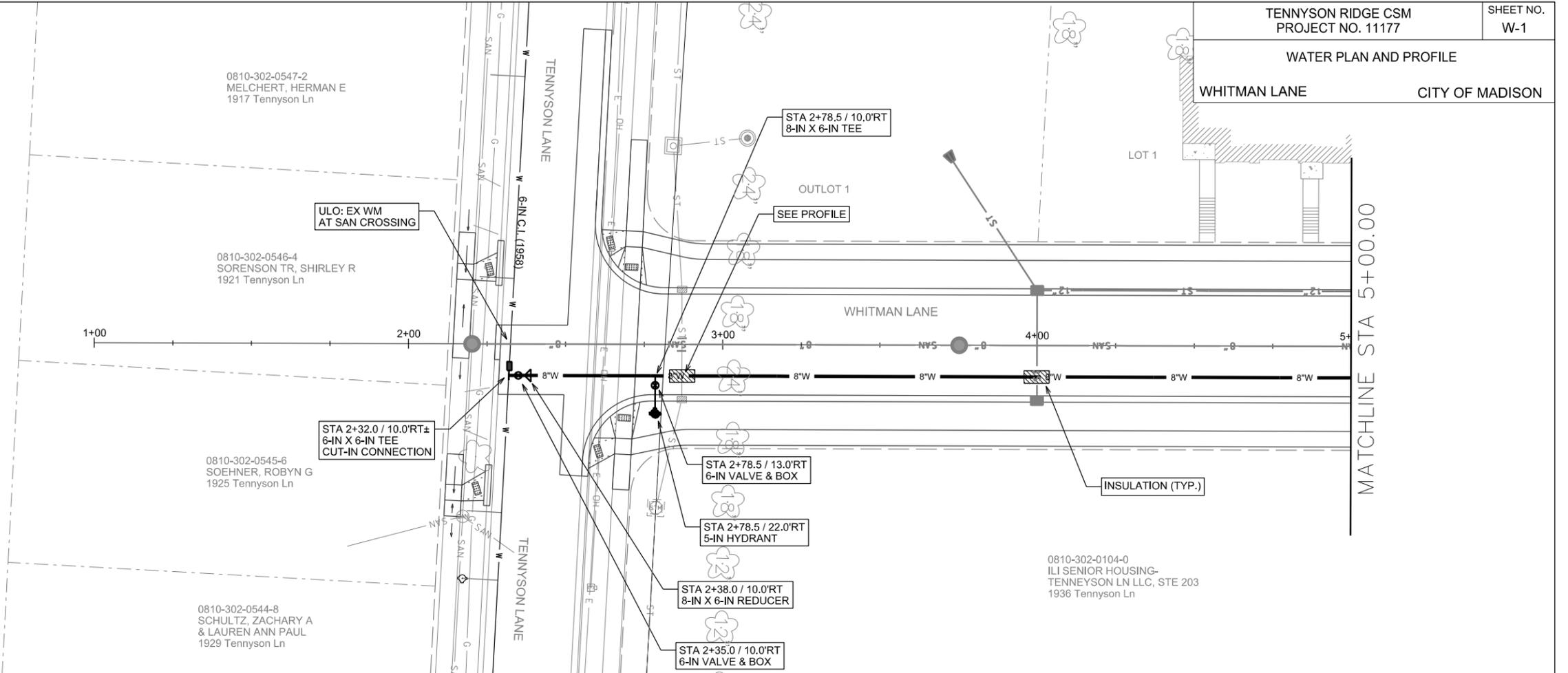
REVISIONS:

JOB NUMBER:
1421580
SHEET

L4.0

WATER PLAN AND PROFILE

WHITMAN LANE CITY OF MADISON



PLOT SCALE: _____

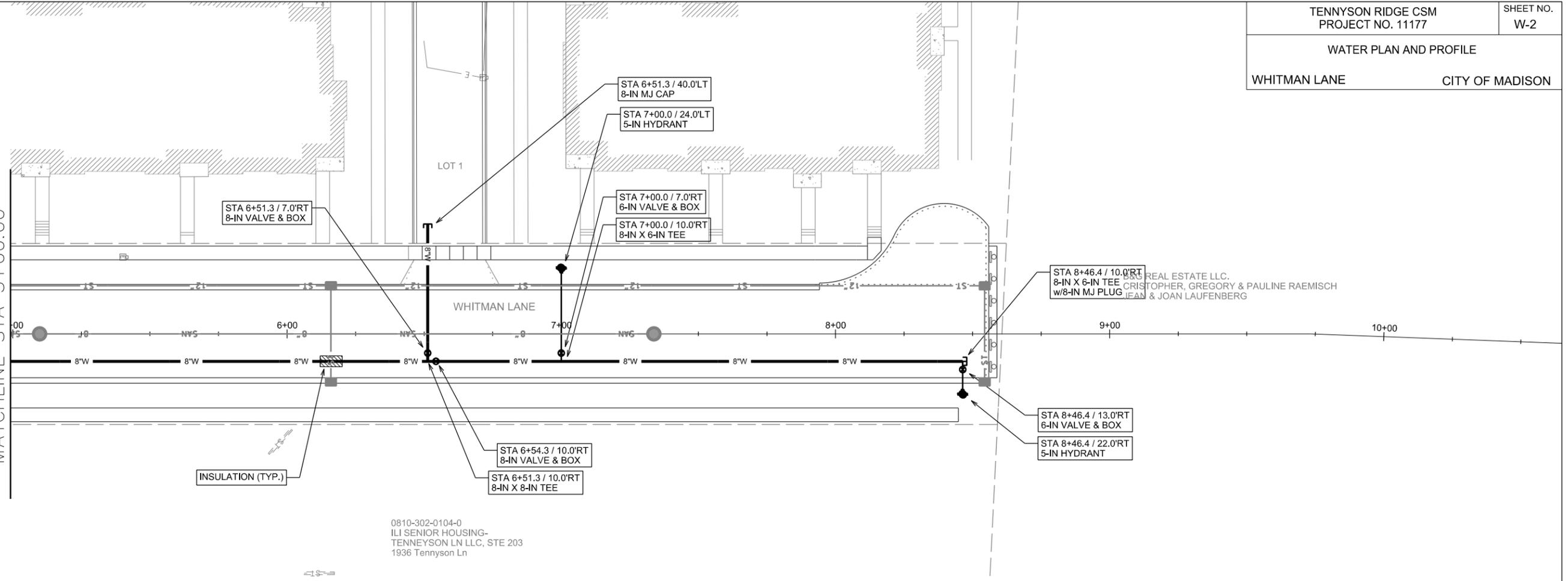
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



MATCHLINE STA 5+00.00



0810-302-0104-0
ILI SENIOR HOUSING-
TENNEYSON LN LLC, STE 203
1936 Tennyson Ln

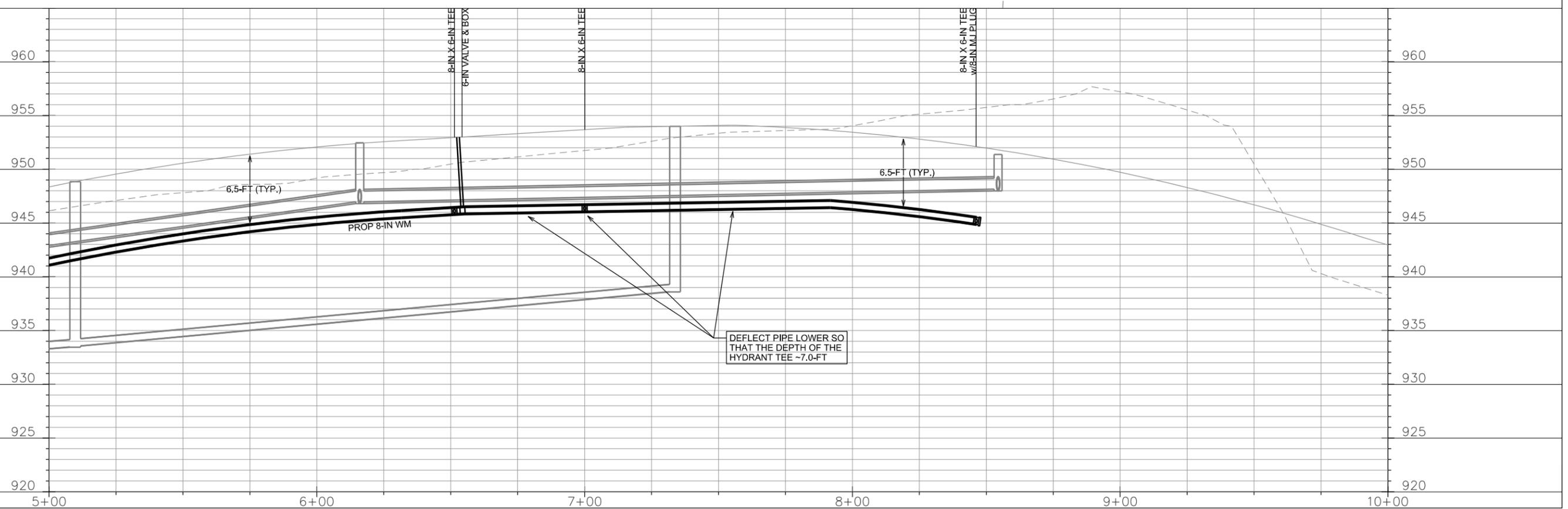
REAL ESTATE LLC.
CHRISTOPHER, GREGORY & PAULINE RAEMISCH
JEAN & JOAN LAUFENBERG

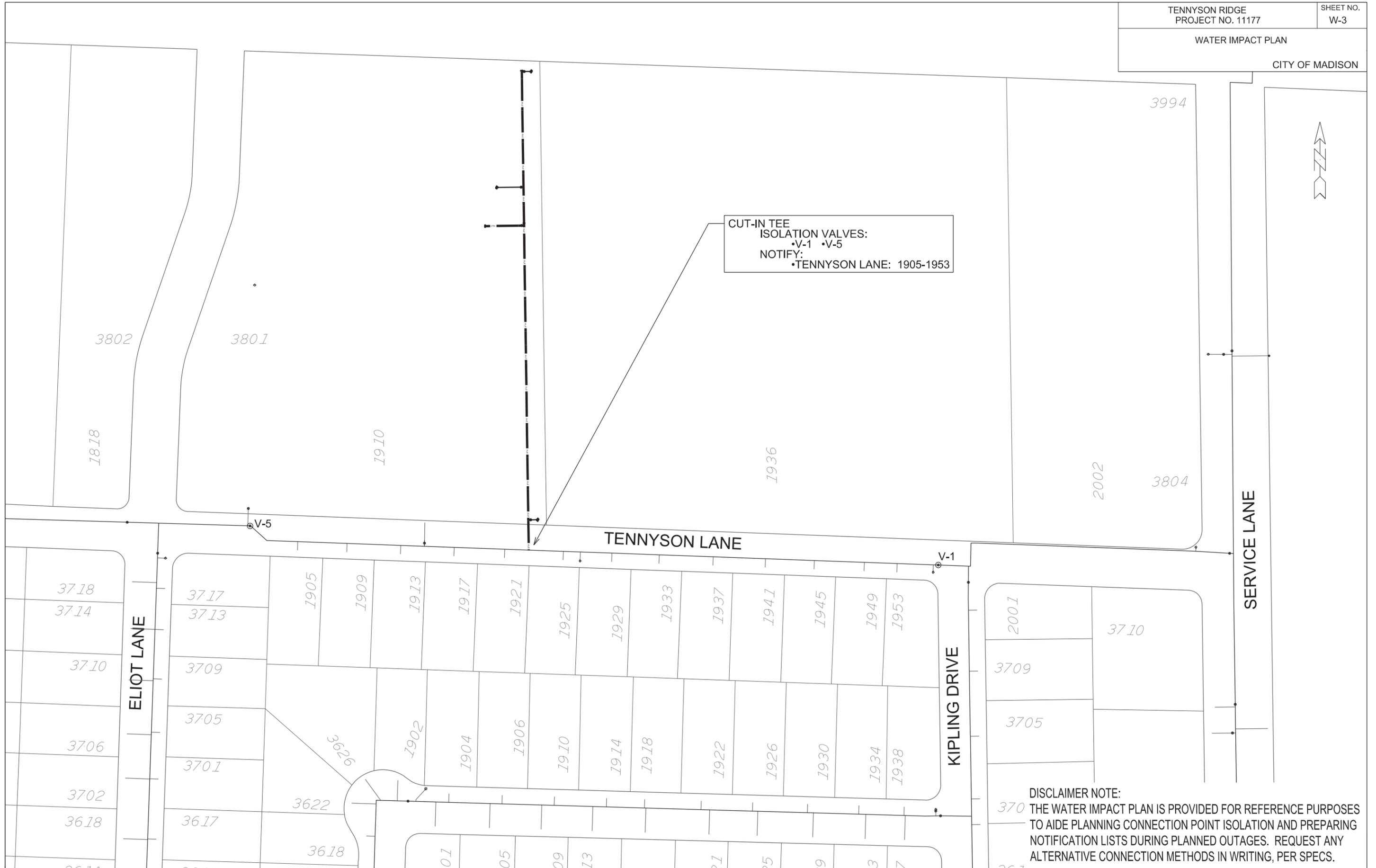
PLOT SCALE: _____

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

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CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

 INDICATES INSULATION AT STORM SEWER CROSSING

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

ESTIMATE OF PROJECT MATERIALS:

* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.

WATER MAIN AND FITTING MATERIALS	
6-IN PIPE (LF)	60
8-IN PIPE (LF)	660
POLY WRAP (LF)	800
6-IN VALVES & BOXES	4
8-IN VALVES & BOXES	2
6-IN X 6-IN TEES	1
8-IN X 6-IN TEES	3
8-IN X 8-IN TEES	1
8-IN X 6-IN REDUCERS	1
8-IN 45° BENDS	4
8-IN MJ PLUGS	1
8-IN MJ CAPS	1
6-IN SOLID SLEEVES	1
5-IN HYDRANTS	3
MISC. MATERIALS	
INSULATION (LF)	24

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

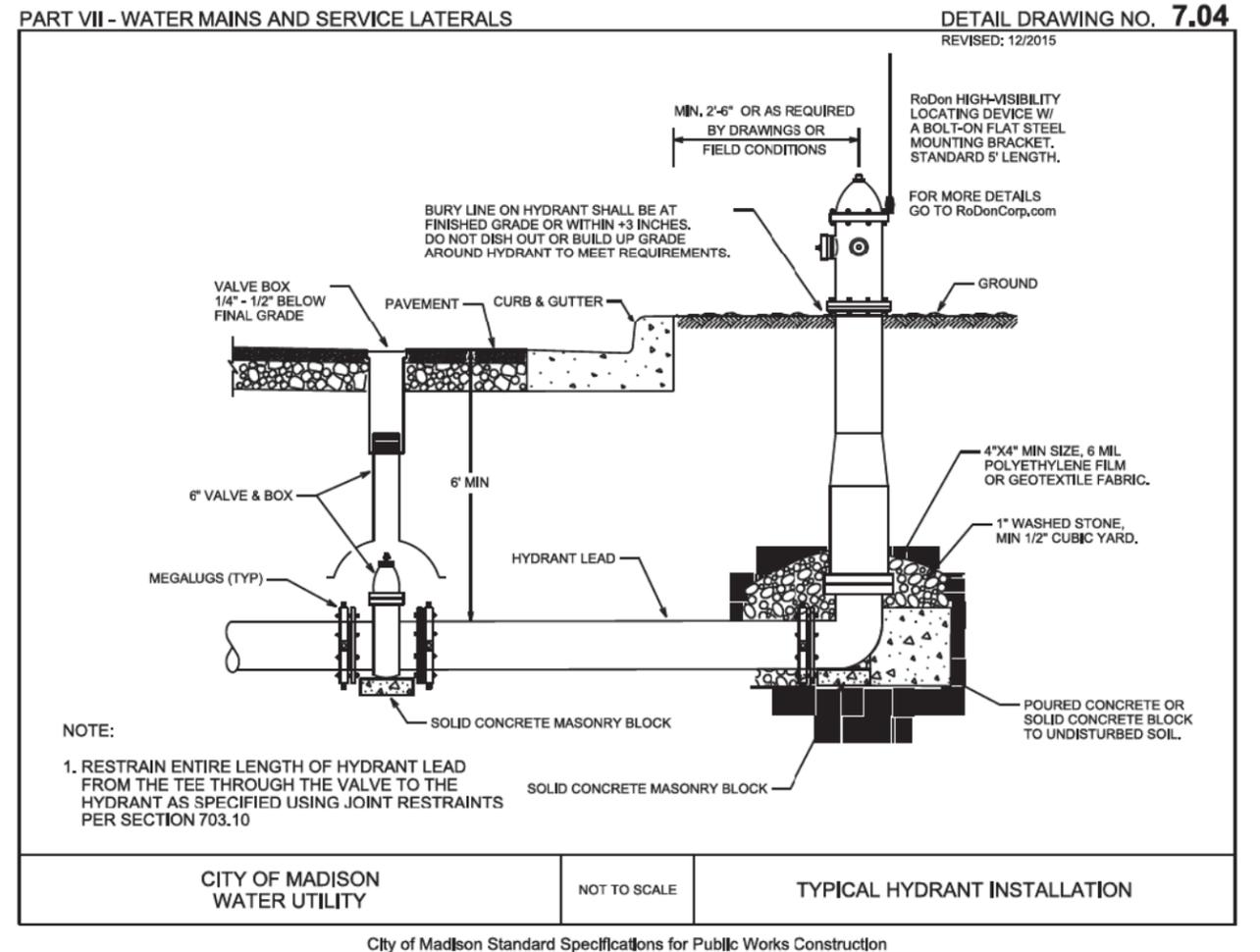
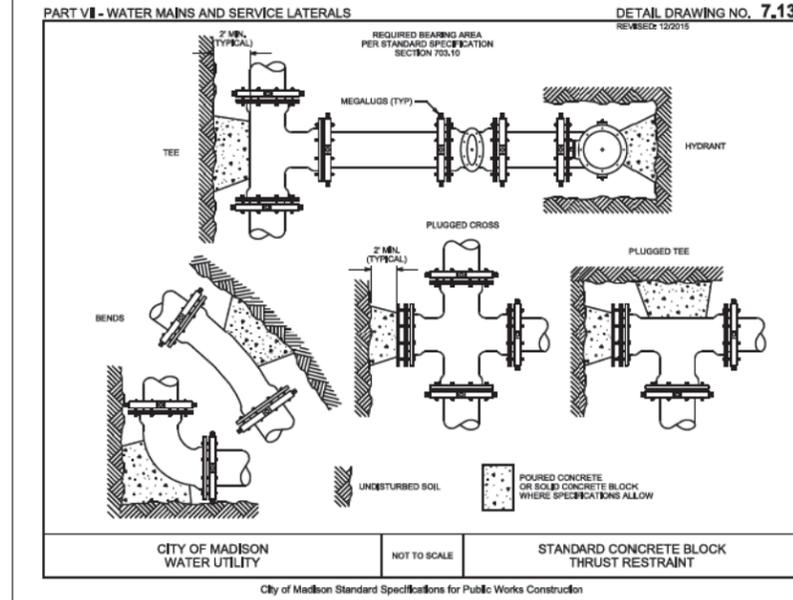
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

UTILITY LINE OPENINGS (ULO's)

STATION	OFFSET	DESCRIPTION
2+32.5	0'RT	EX 6-IN WM



CROSS SECTIONS

WHITMAN LANE

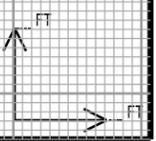
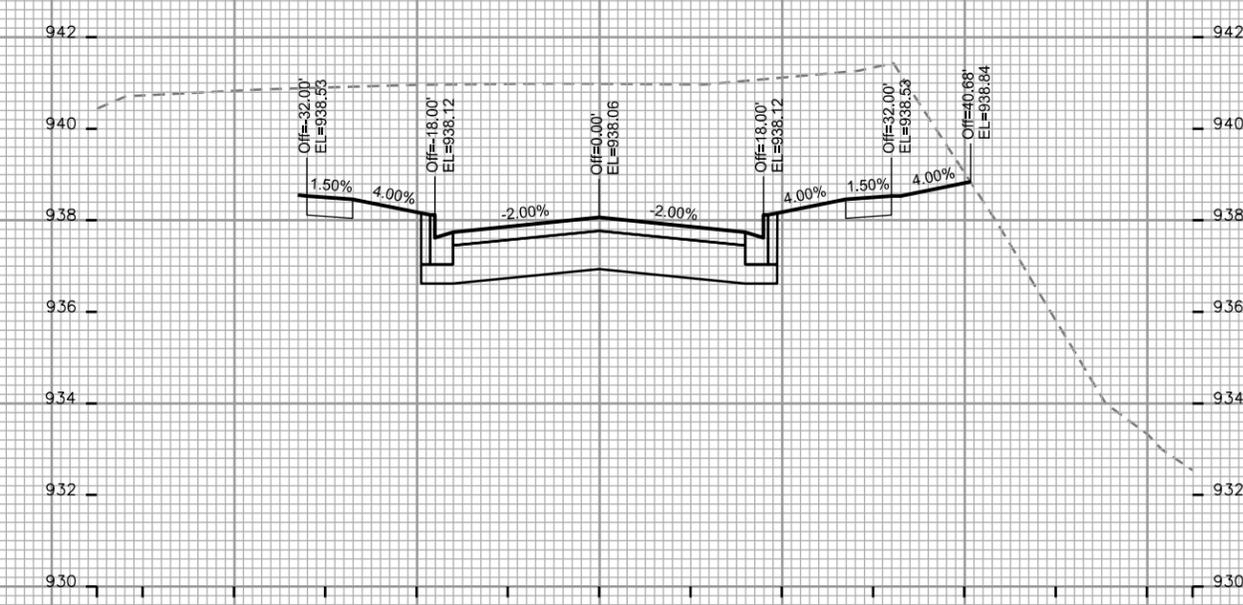
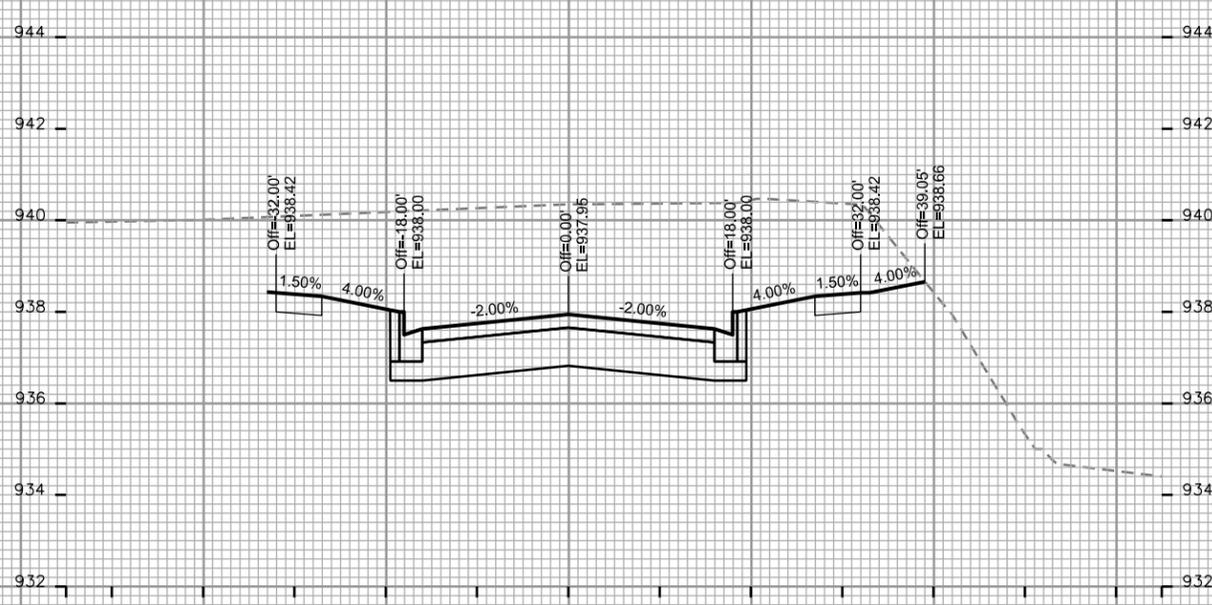
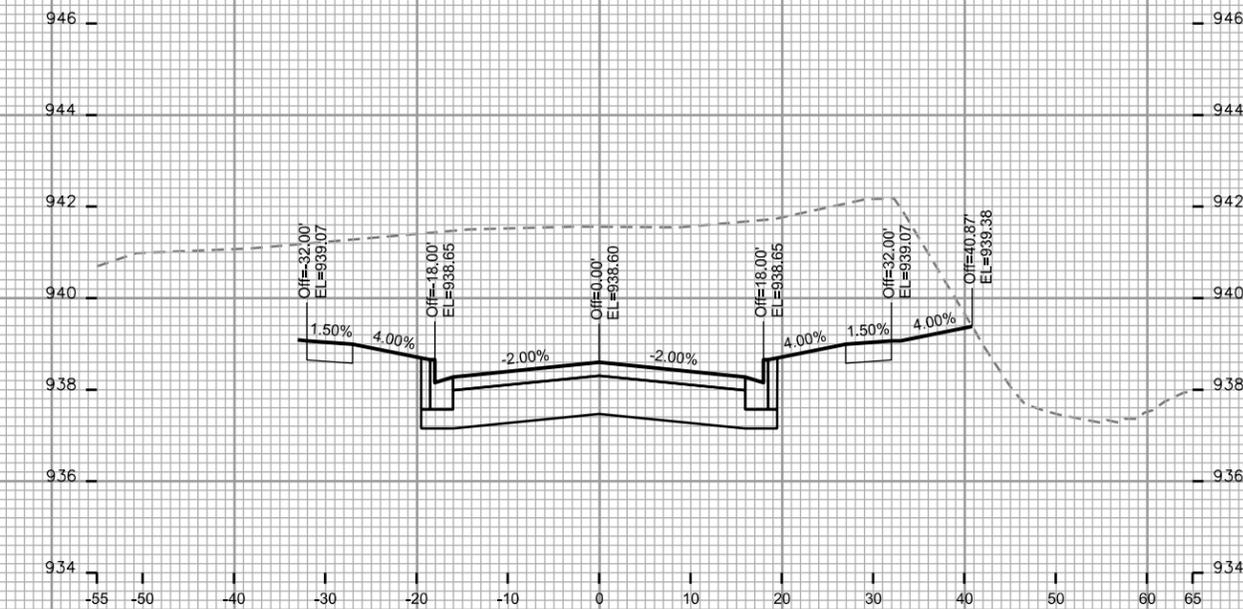
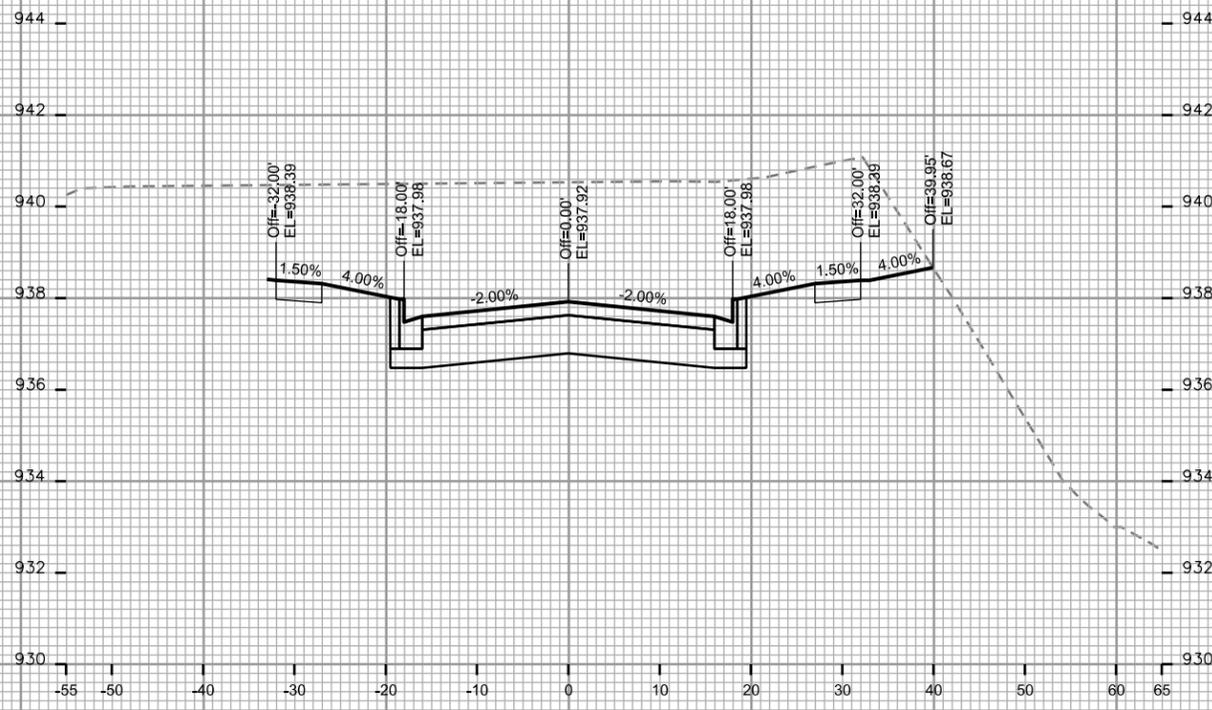
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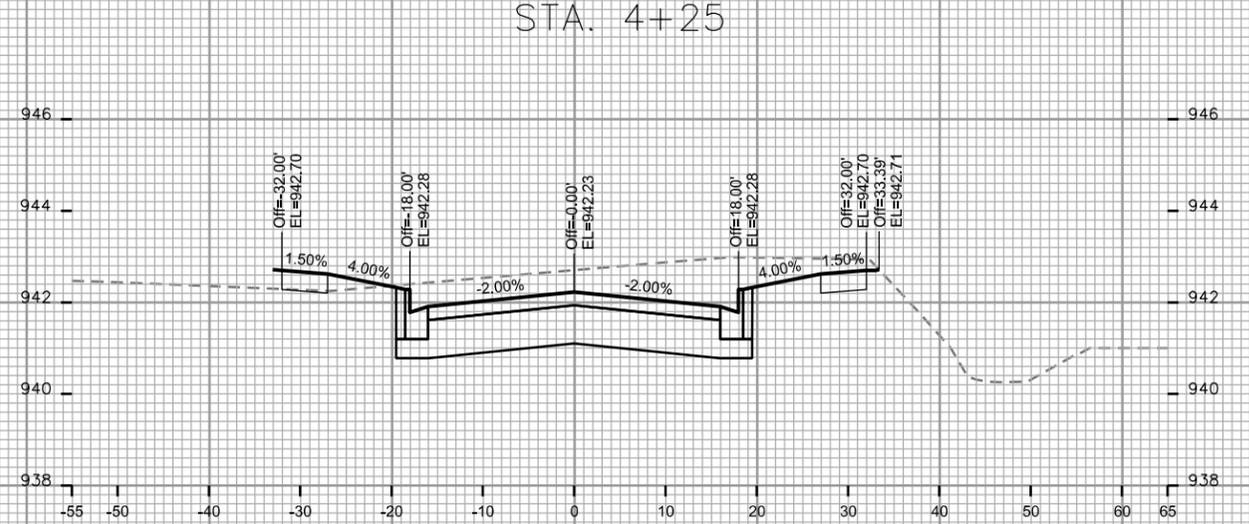
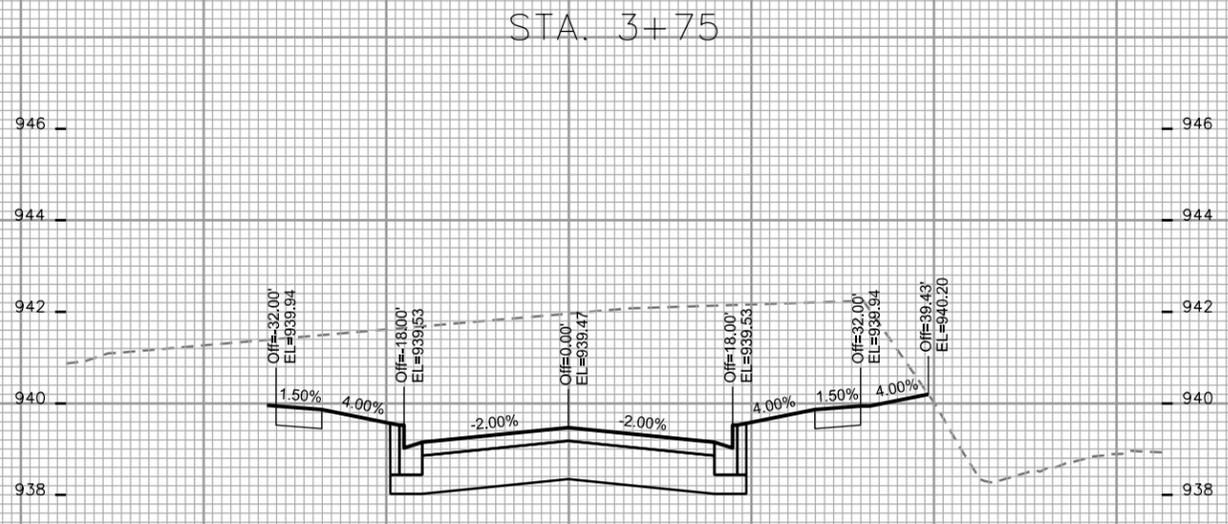
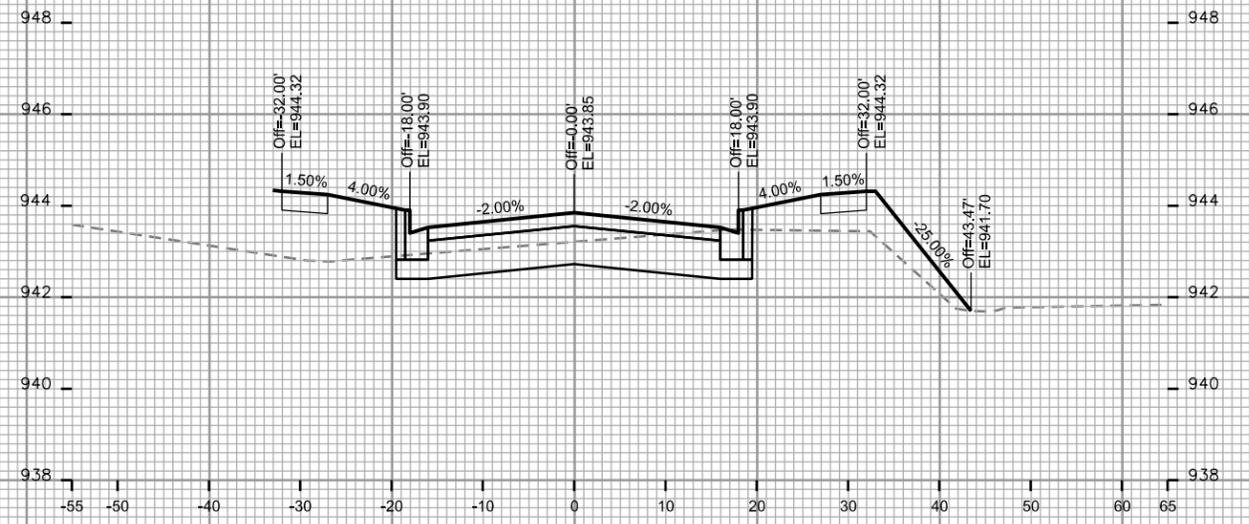
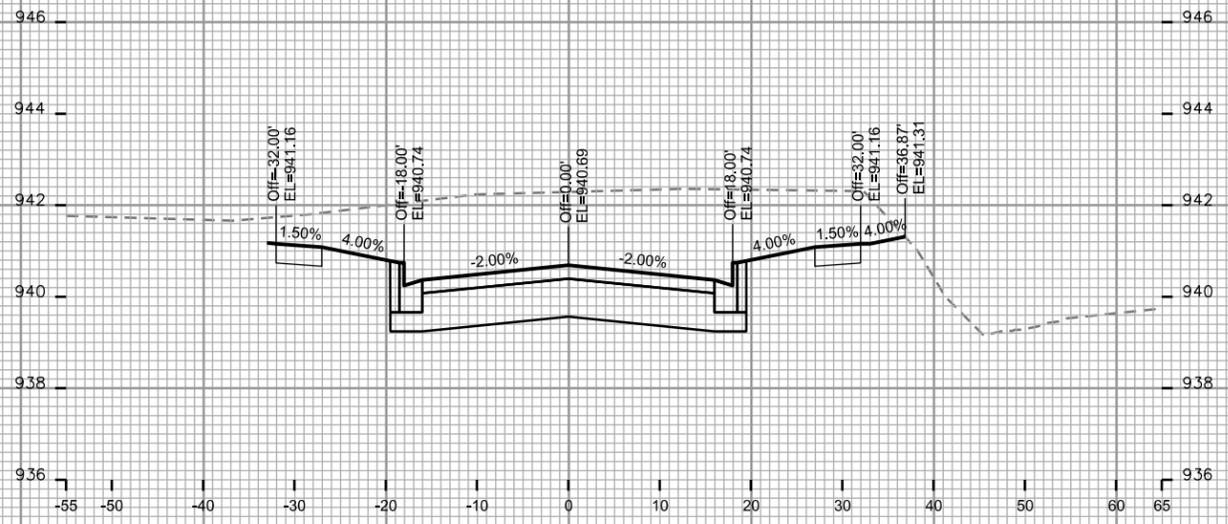
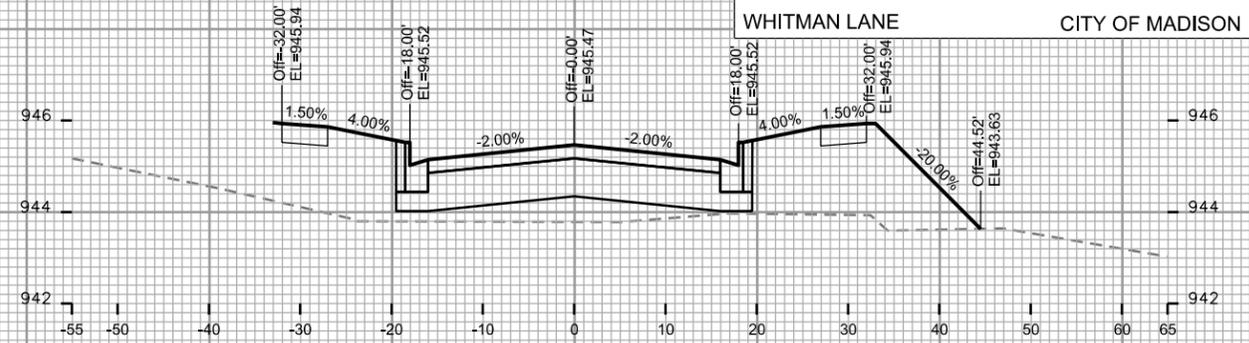
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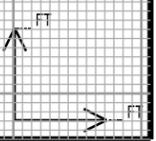


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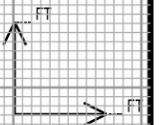
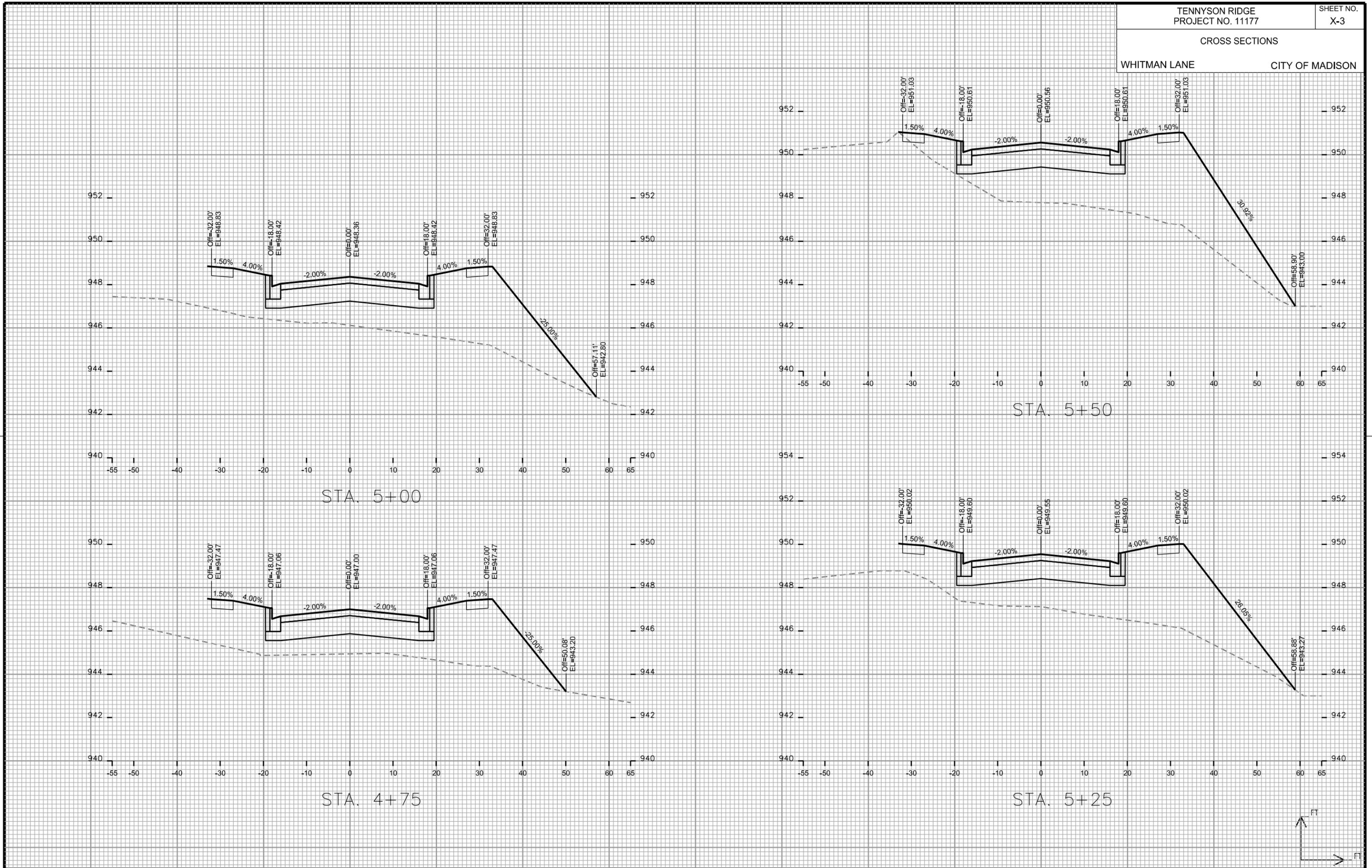
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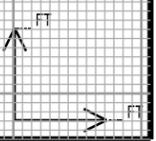
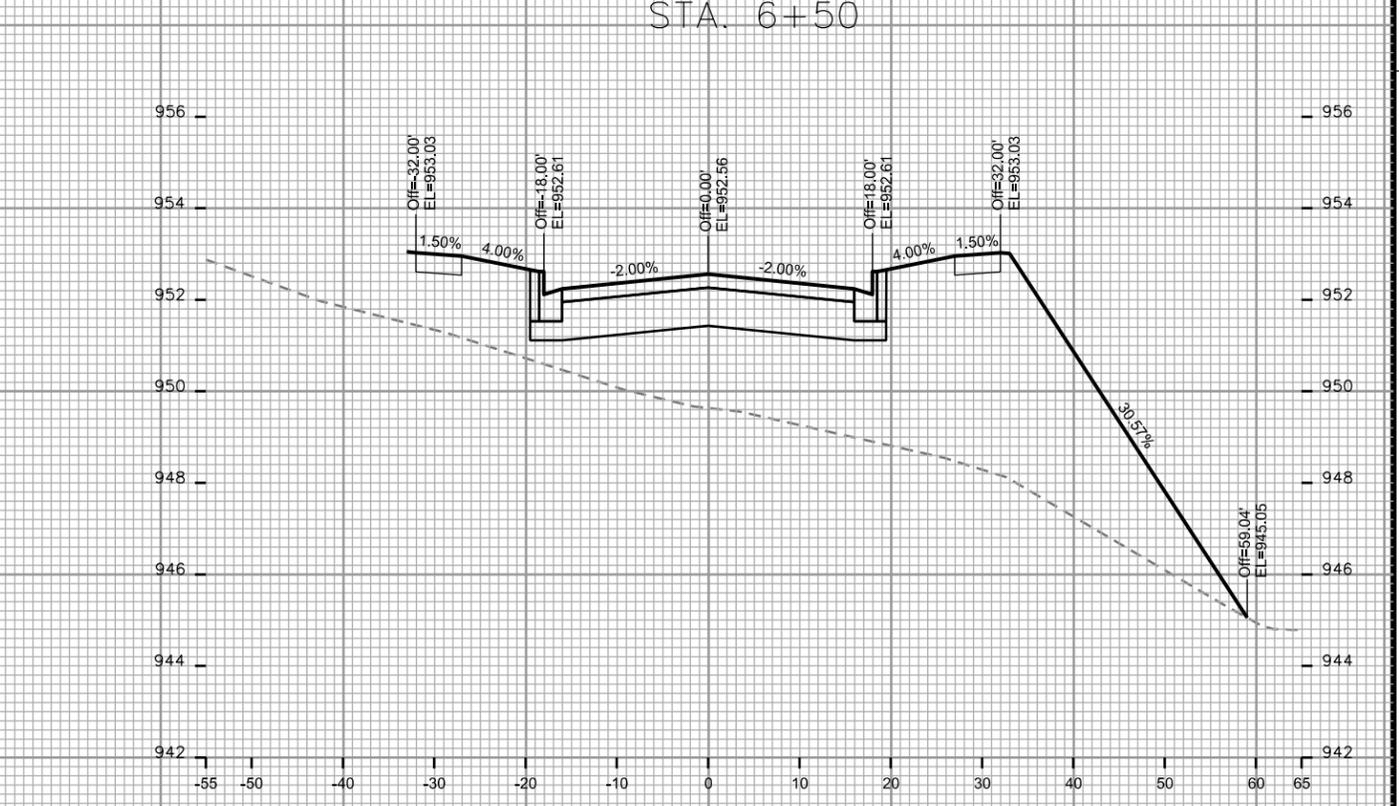
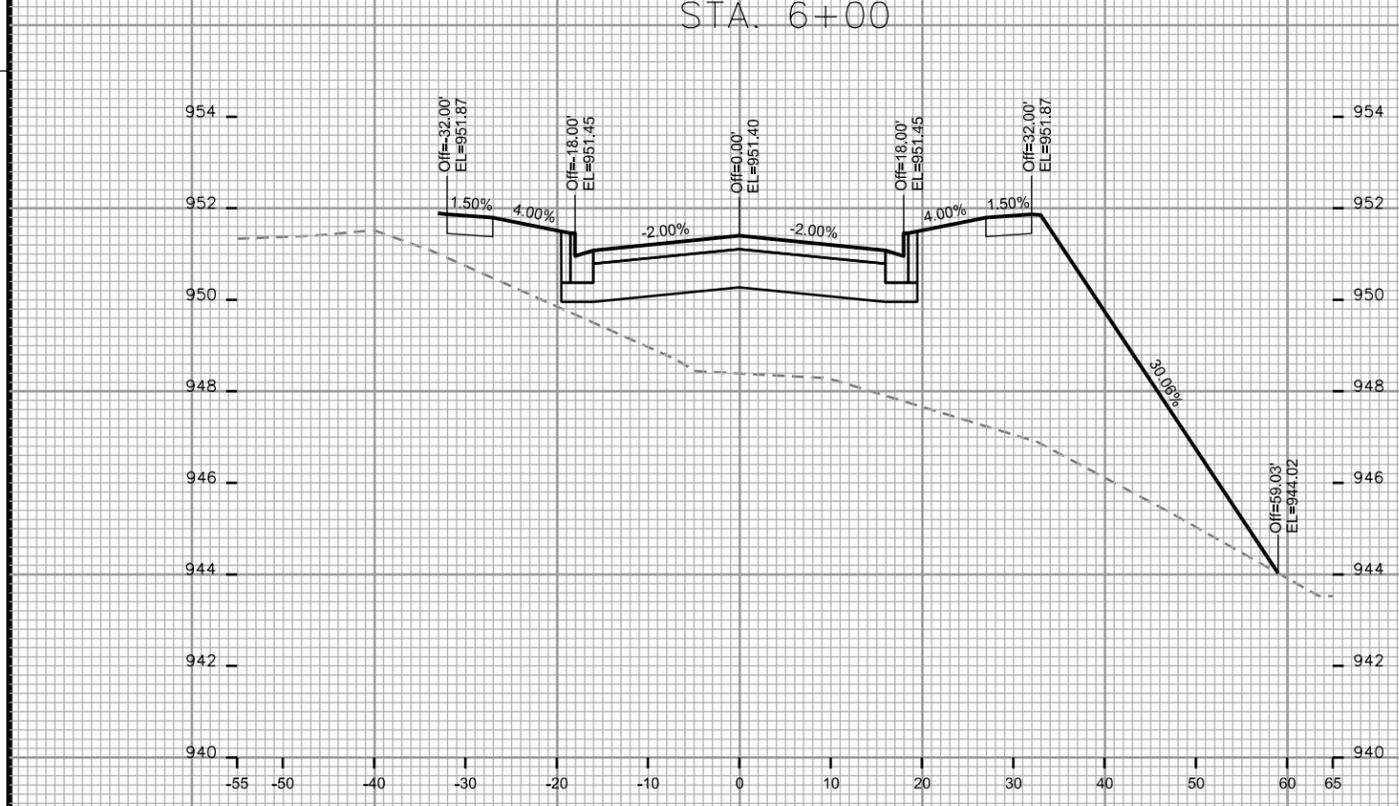
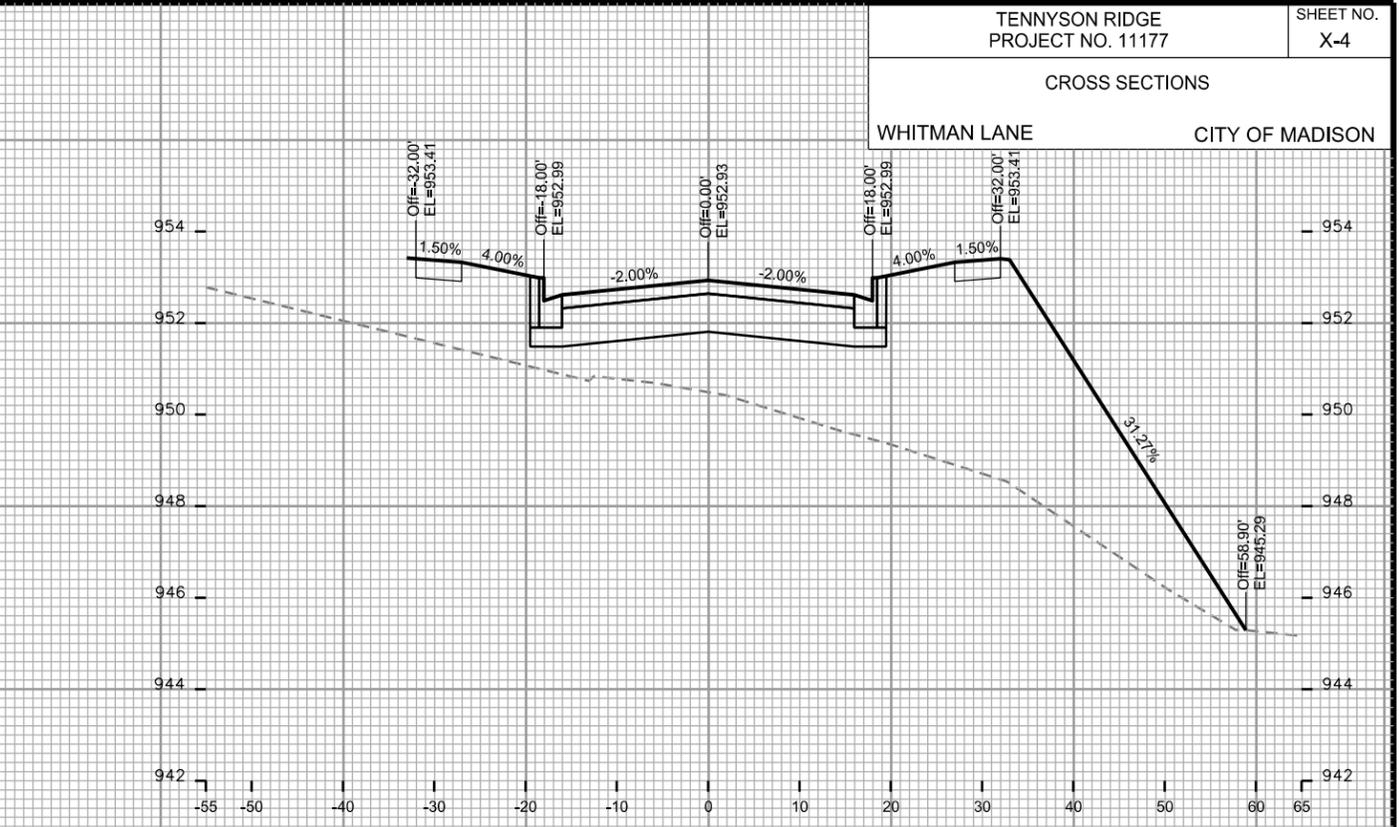
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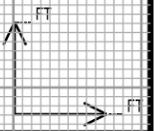
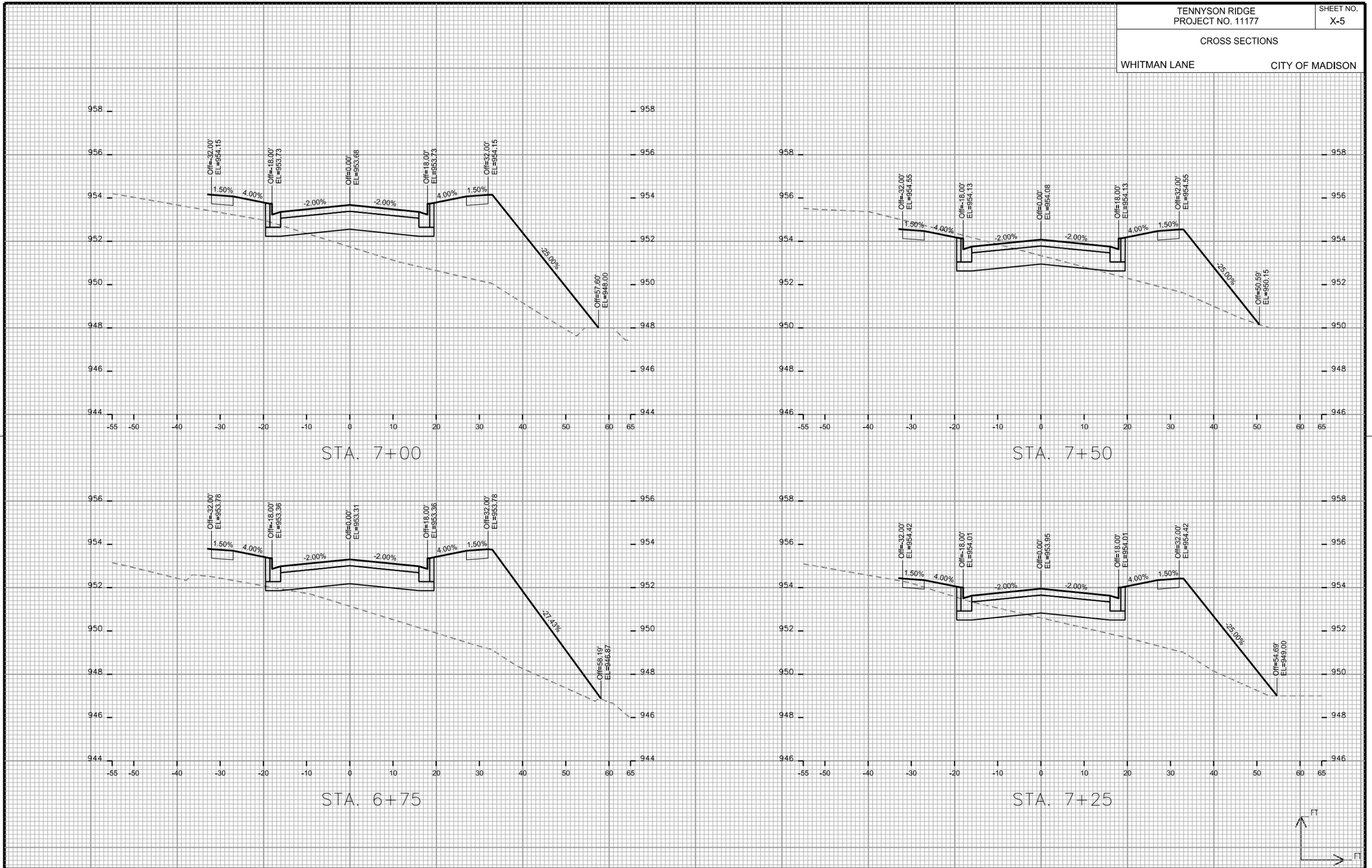
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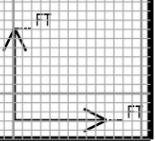
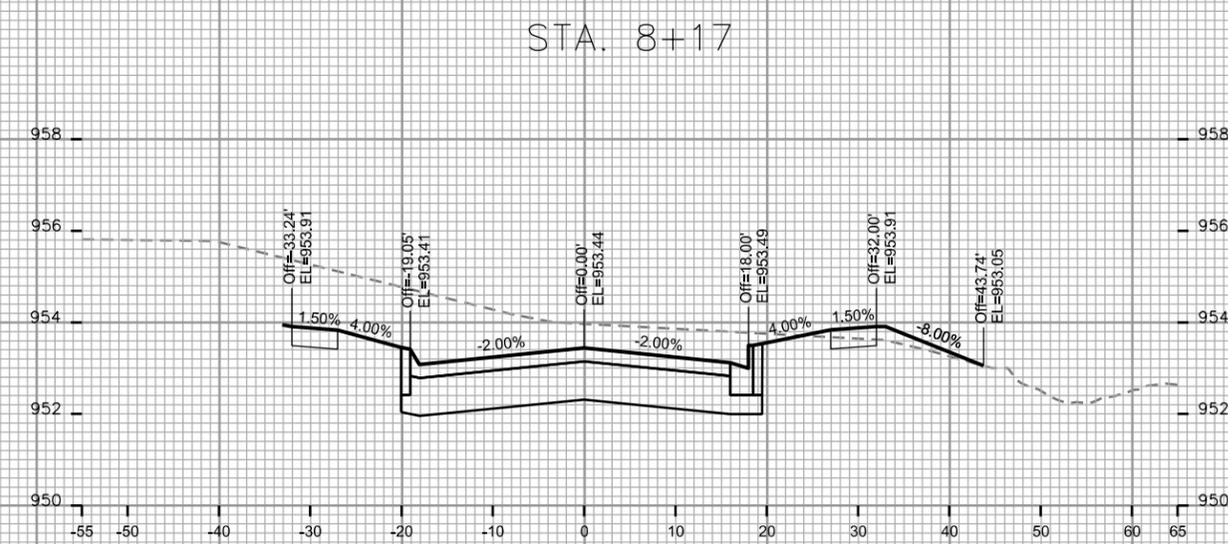
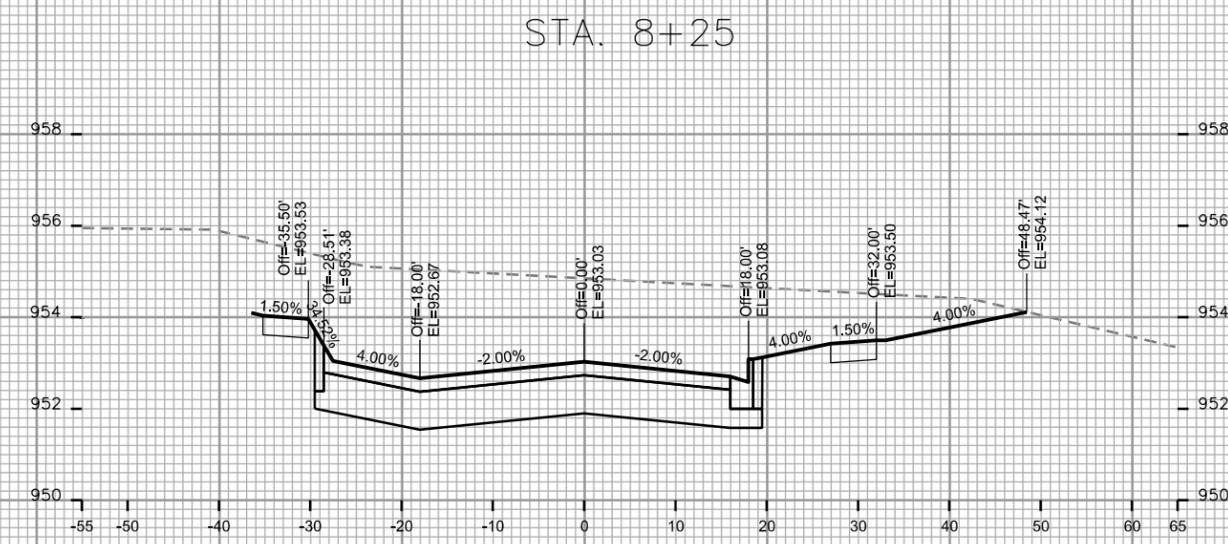
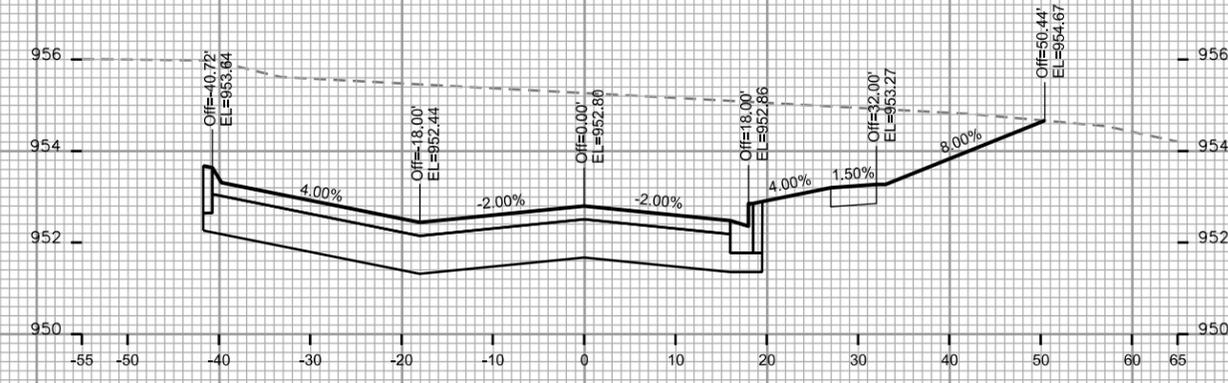
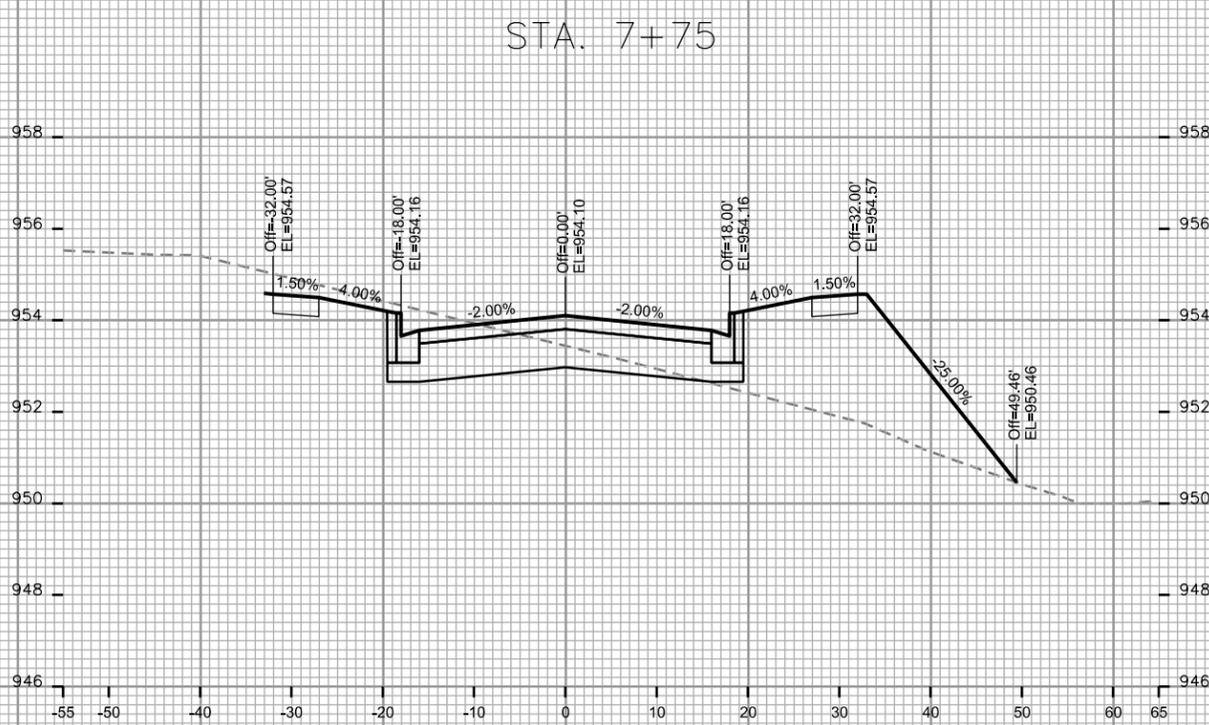
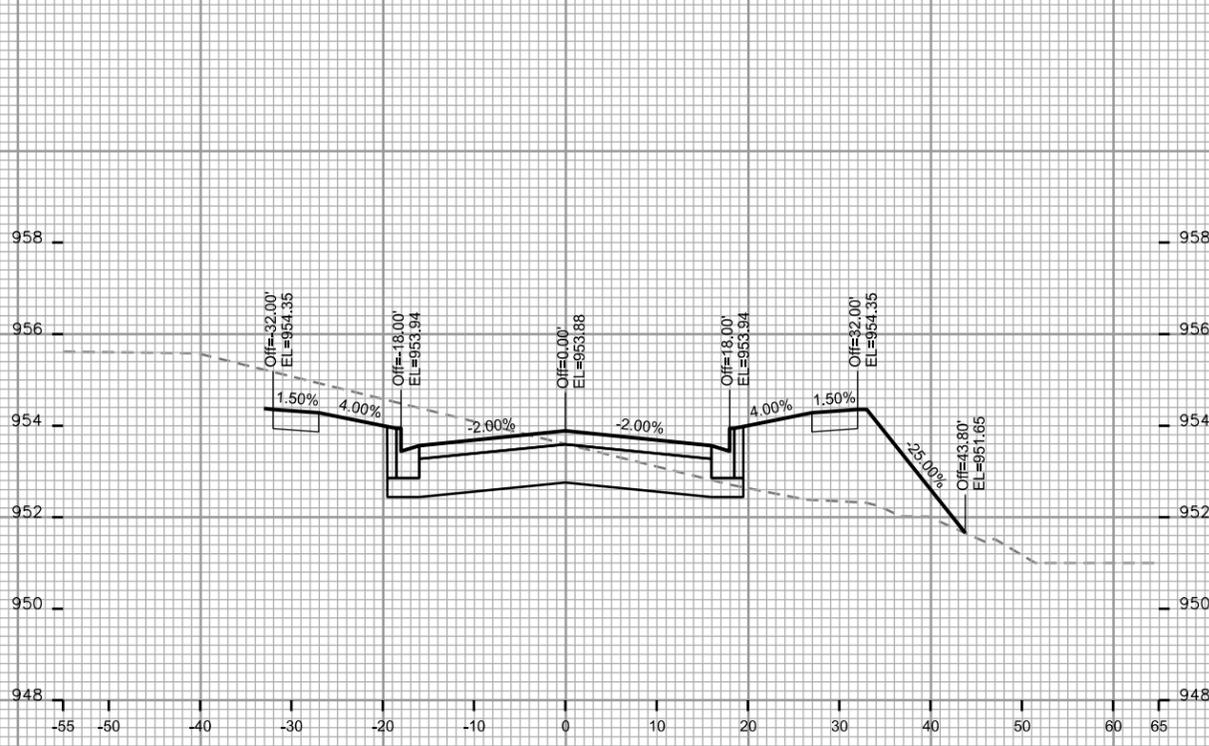
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