

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS

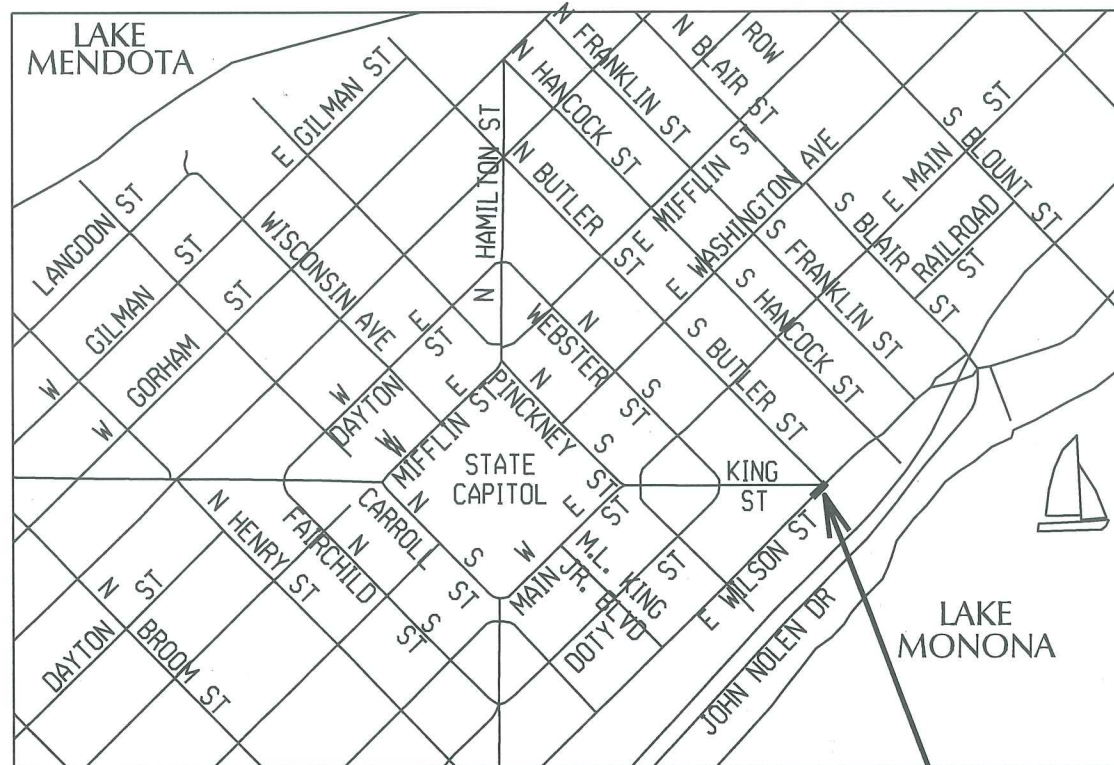
SHEET NO.	TITLE
1	GENERAL NOTES
D1	TYPICAL SECTIONS
D2	ELECTRICAL PLAN
E1-E4	STREET PLAN
P1	STORM SEWER AND WATER CONNECTION PLAN
C-401	SANITARY SEWER PLAN & PROFILE
C-402	

149 E. WILSON STREET

CITY PROJECT NO. 10195
 CONTRACT NO. 2377
 MUNIS NO. 10195



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	☀



PROJECT LOCATION

PUBLIC IMPROVEMENT PROJECT APPROVED

APRIL 29, 2014

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 7/27/17
 City Engineer Date

SANITARY SEWER
DESIGNED BY:

SEE
INDIVIDUAL
SHEETS

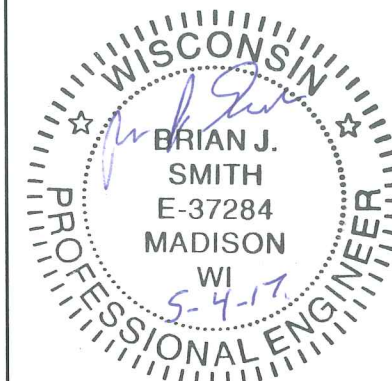
STREET
DESIGNED BY:



STORM SEWER
& WATER DESIGNED BY:

SEE
INDIVIDUAL
SHEETS

ELECTRICAL
DESIGNED BY:



DETAIL

STANDARD NOTES
AND COMMENTS

CITY OF MADISON

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, REFERING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

ALL PAVEMENT IN THE E. WILSON STREET RIGHT-OF-WAY SHALL BE TYPE C 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.

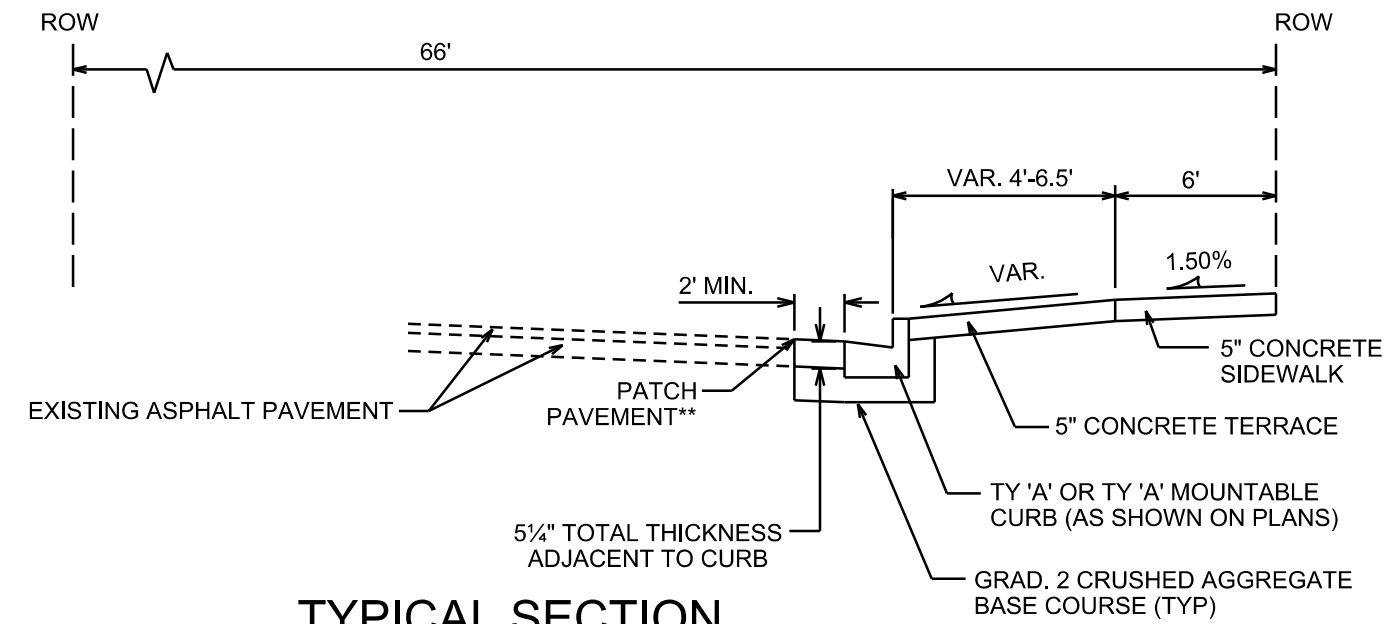
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION

E. WILSON ST.
NOT TO SCALE

NOTES:

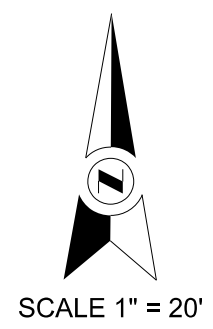
* PAVMENT REPAIR LIMITS ARE APPROXIMATE. FINAL LIMITS TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.

PLOT SCALE: _____

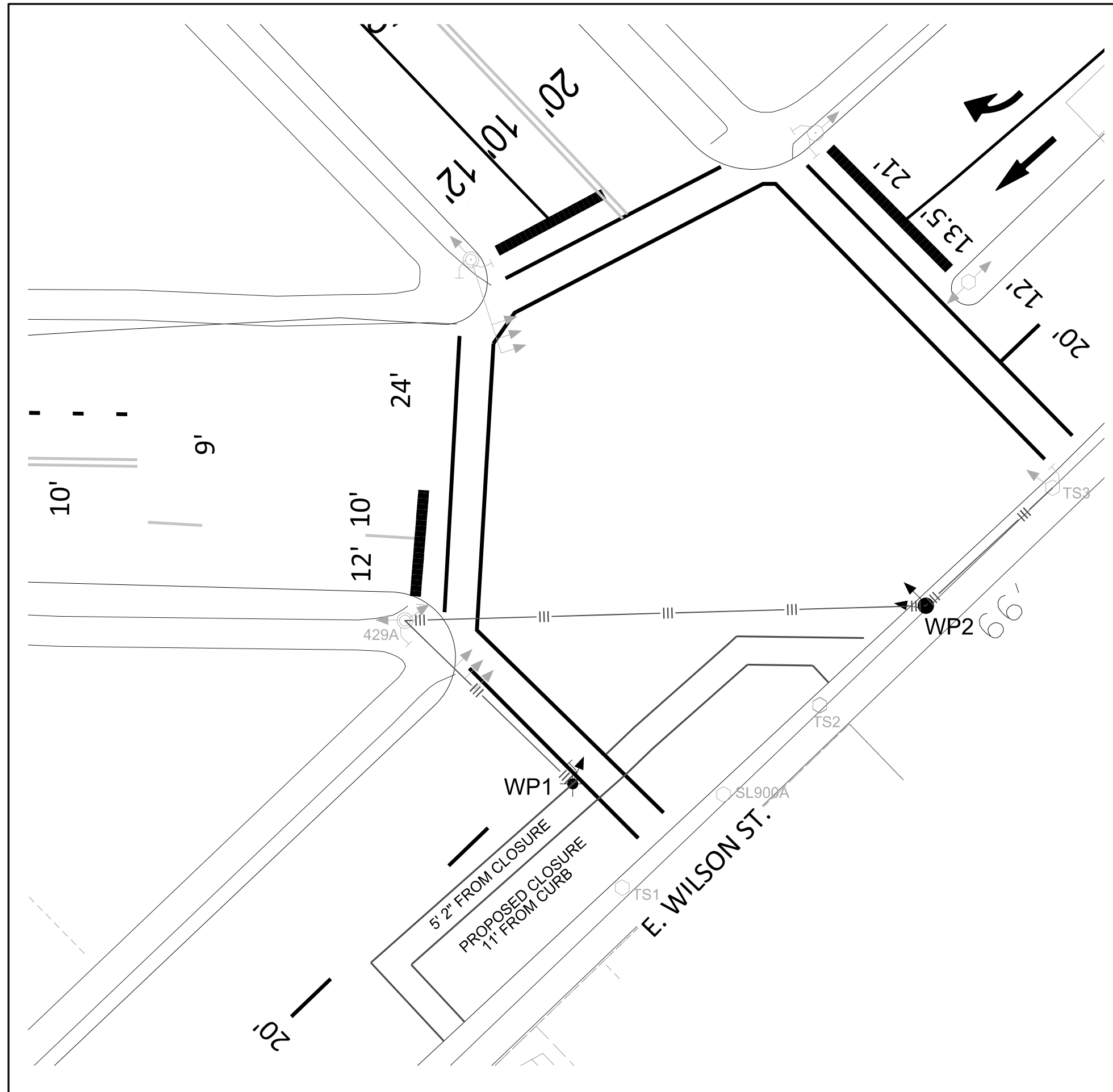
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



- TEMPORARY SIGNALS & STREET LIGHT NOTES:
1. CONTRACTOR SHALL FURNISH AND INSTALL WOOD POLES (WP1 & WP2), CONTRACTOR SHALL FURNISH AND INSTALL ANY SUPPORT SYSTEMS REQUIRED FOR TEMPORARY WOOD POLES AND MAINTAIN TEMPORARY WOOD POLES THROUGHOUT THE DURATION OF THE PROJECT, UNTIL PERMANENT SIGNALS AND STREET LIGHTS ARE OPERATING.
 2. TRAFFIC ENGINEERING SHOP WILL INSTALL OVERHEAD CABLES, TRAFFIC SIGNALS, TRAFFIC SIGNAL WIRES AND STREET LIGHTS FOR TEMPORARY SIGNALS AND STREET LIGHTING.



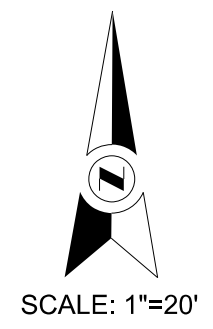
PLOT SCALE:

PLOT NAME:

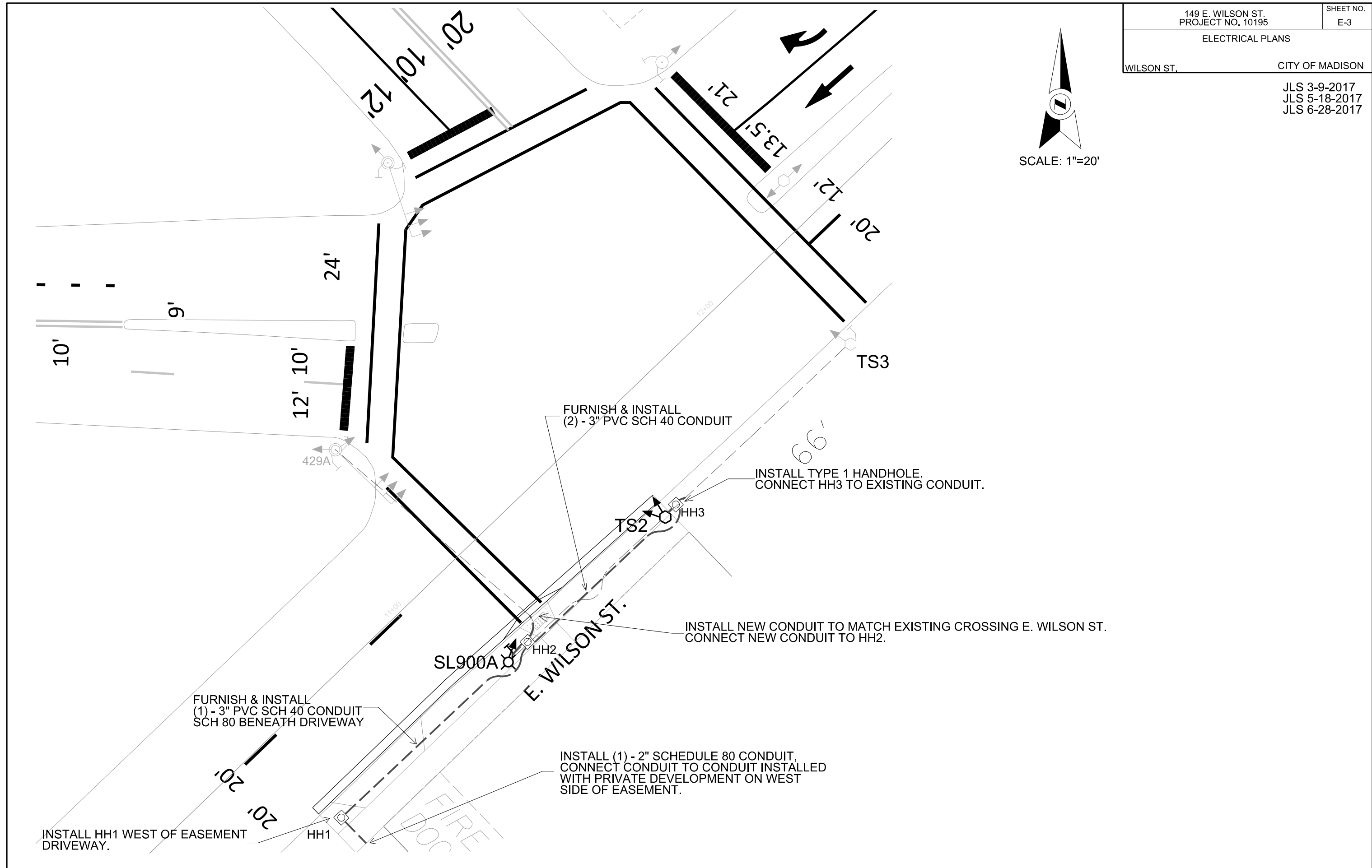
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

JLS 3-9-2017
 JLS 5-18-2017
 JLS 6-28-2017



PLOT SCALE:
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



FURNISH & INSTALL
 (2) - 3" PVC SCH 40 CONDUIT

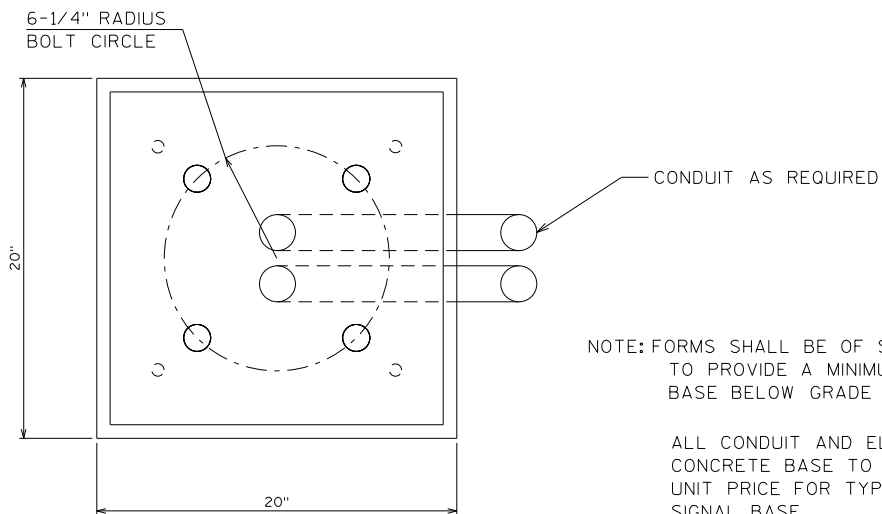
INSTALL TYPE 1 HANDHOLE.
 CONNECT HH3 TO EXISTING CONDUIT.

INSTALL NEW CONDUIT TO MATCH EXISTING CROSSING E. WILSON ST.
 CONNECT NEW CONDUIT TO HH2.

FURNISH & INSTALL
 (1) - 3" PVC SCH 40 CONDUIT
 SCH 80 BENEATH DRIVEWAY

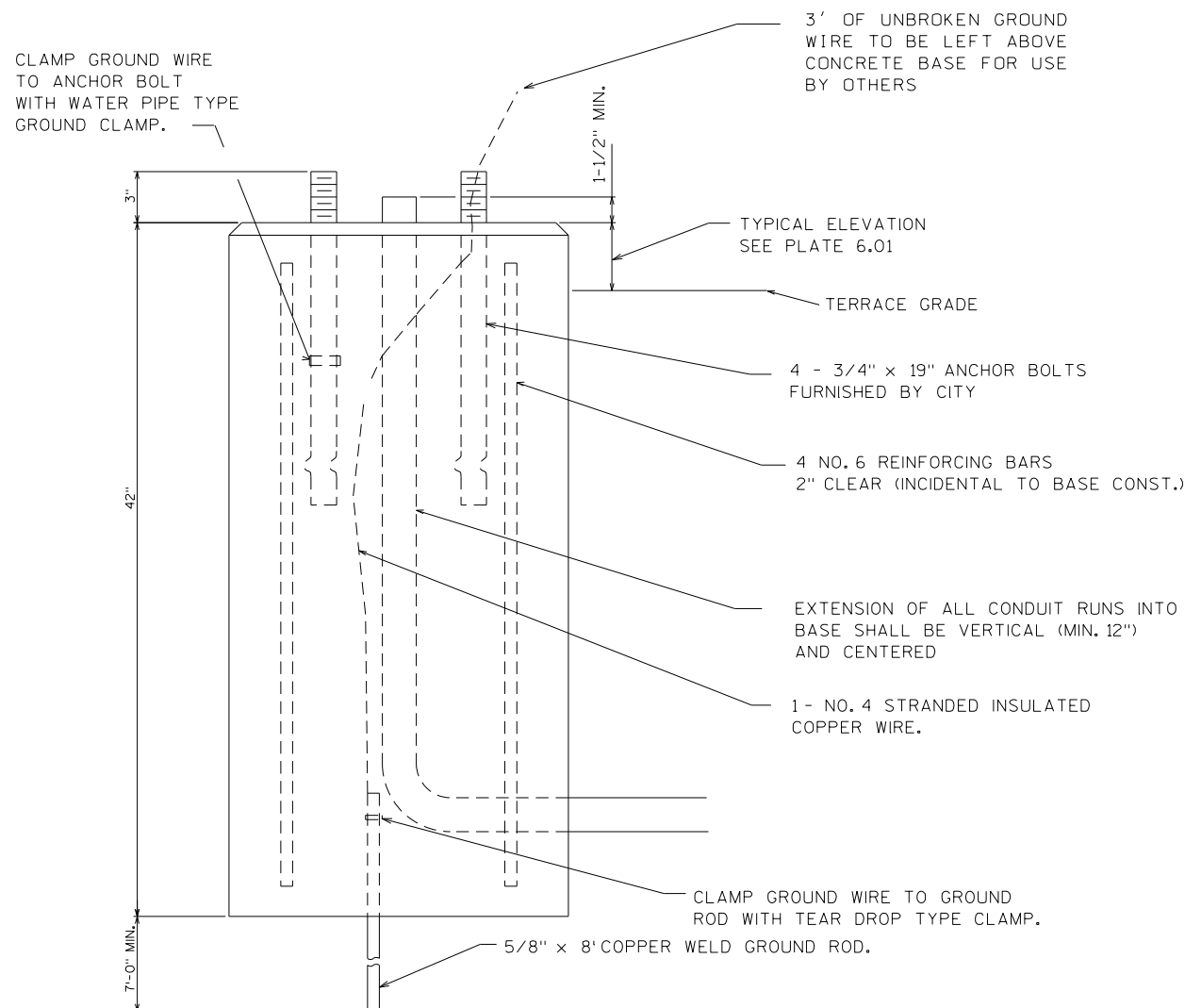
INSTALL (1) - 2" SCHEDULE 80 CONDUIT,
 CONNECT CONDUIT TO CONDUIT INSTALLED
 WITH PRIVATE DEVELOPMENT ON WEST
 SIDE OF EASEMENT.

INSTALL HH1 WEST OF EASEMENT
 DRIVEWAY.

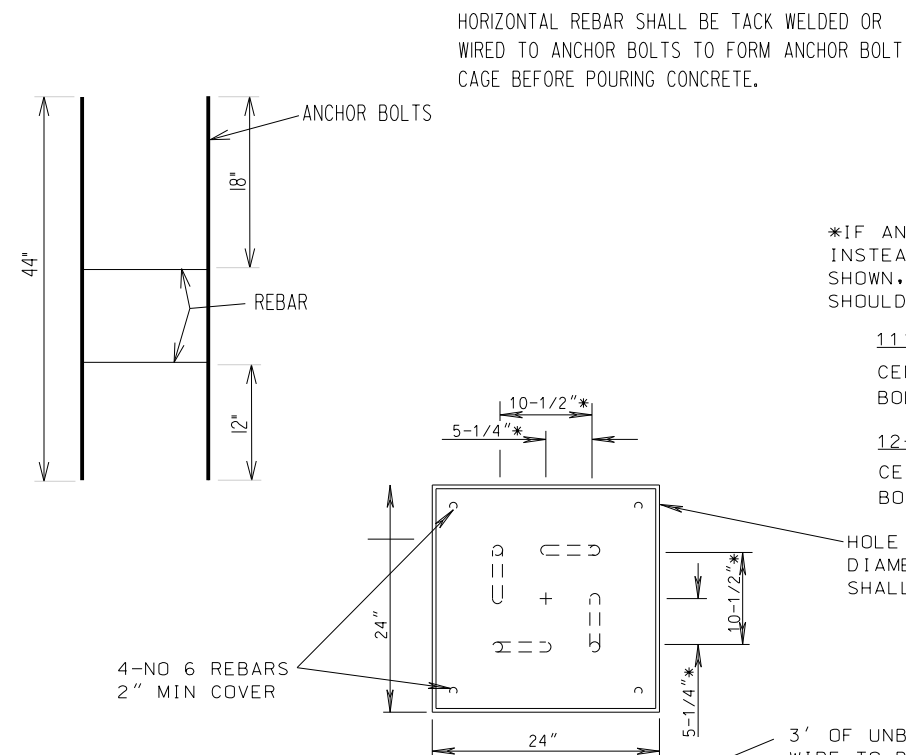


NOTE: FORMS SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF 12" OF FORMED BASE BELOW GRADE ON THE LOW SIDE.

ALL CONDUIT AND ELBOWS SHOWN IN CONCRETE BASE TO BE INCLUDED IN UNIT PRICE FOR TYPE "G" TRAFFIC SIGNAL BASE .



DETAIL: TYPE G BASE
SCALE: NONE



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

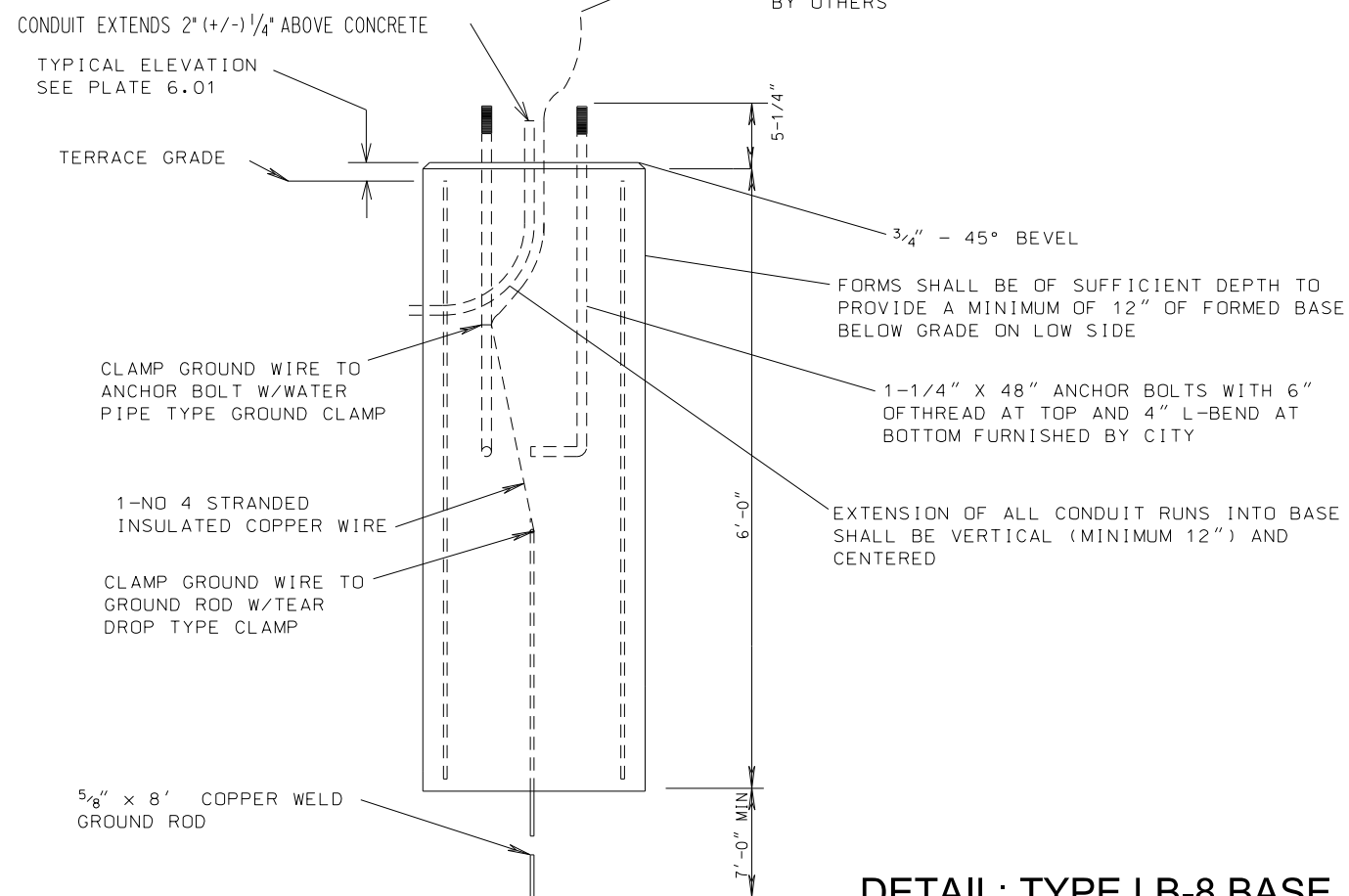
11" BOLT CIRCLE

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

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



DETAIL: TYPE LB-8 BASE
SCALE: NONE

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

NOTES:

- 1. PROPOSED CURB GRADES ARE A STRAIGHT GRADE FROM STA 30+88.44 TO STA 31+85. PROPOSED CURB GRADES ARE GENERALLY HIGHER THAN THE EXISTING CURB. RESURFACE TO CENTERLINE TO ACCOMADATE CURB GRADE CHANGE. REDO PAVEMENT MARKINGS AS NECESSARY.
- 2. PATCH UTILITIES AS NECESSARY.

2018 06-27

REVISION NOTES: REVISED ALL CURB & SIDEWALK GRADES, PATCHING LIMITS, AND SIDEWALK RAMP GEOMETRICS.

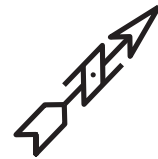
0709-133-2712-2
STATE OF WISCONSIN
DEPT OF ADMINISTRATION
232 KING ST

0709-242-0202-4
HAUS, WILLIAM
235 KING ST

STORM MANHOLE
RIM ELEV.=879.36'
INVERT 12" SW ELEV.=875.66'
(MANHOLE IS FULL OF WATER NOT ABLE
TO SEE OUTLET PIPES)

DOUBLE STORM INLETS
FLOW LINE ELEV.=879.92'

STORM INLET
FLOW LINE ELEV.=879.45'
INVERT 12" NE ELEV.=876.15'



DFD CHILLED WATER LINES
DIRECT BURY 20" DIA.

E. WILSON ST.

31+00

32+00

32+98

32+98.34
POB

STA 30+96.69 RT 18.50'
880.64 EP/BEGIN
TY 'A' MOUNTABLE

STA 31+16.69 RT 18.50'
879.78 EP/BEGIN TY 'A' CURB
WITH FULL CURB HEAD

STA 31+31.09 RT 18.50'
879.16 EP/PI

STA 31+51.31 RT 19.80'
878.24 FL/BEGIN TY 'X'

STA 31+57.3 RT 20.03'
877.99 FL/TRANS. TO TY 'A'

STA 31+85.00 RT 22.60'
876.83 EP/MATCH EX.

STA 30+88.42 RT 18.68'
880.98 EP/MATCH EX. / BEGIN
TY 'A' WITH FULL CURB HEAD

STA 31+45.26 RT 21.06'
878.43 FL/TRANS. TO TY 'X'

STA 31+63.25 RT 21.77'
877.65 FL/BEGIN TY 'A'

DFD - APPROX. 6"X2' STEAM CONDUIT

36" WIDE DUCTRUN

5" CONC. TERRACE
FIRE ACCESS:
7" CONC. & SW

5" CONC. TERRACE

5" CONC. TERRACE

STA 30+92.39 RT 32.20'
881.67 BW

STA 31+01.69 RT 32.33'
881.09 BW/DWAY EDGE

STA 31+11.69 RT 32.33'
880.62 BW/DWAY EDGE

STA 31+51.84 RT 32.33'
878.75 BW/KEYSTONE

STA 31+56.84 RT 32.33'
878.65 BW/KEYSTONE

STA 31+95.02 RT 32.44'
877.00 BW/MATCH EX. SIDEWALK

DOUBLE STORM INLETS
FLOW LINE ELEV.=876.41'
INVERT 12" NE ELEV.=871.68'

0709-242-1306-3
149 EAST WILSON LLC
% MICHAEL THORSON STE 125
149 E WILSON ST

0709-242-1305-5
UNION TRANSFER CDM ASSN
% APEX MANAGEMENT
155 E WILSON ST

0709-242-1307-1
MARINA CDM OWNRS ASSN INC
137 E WILSON ST

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

JOHN NOLEN DRIVE

CONSTRUCT INSIDE DROP FOR SANITARY LATERAL PER S.D.D. 7.30

5" DIA. SMH W/ FLAT TOP

4" DIA. SMH W/ FLAT TOP

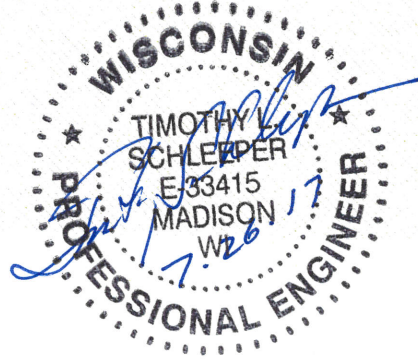
Asphalt drive

QUIT CLAIM DEED DOC. NO. 5318247

FINAL LOCATION OF RETAINING WALL TO BE COORDINATED DURING CONSTRUCTION WITH THE LOCATION OF EXISTING FORCE-MAIN

INSTALL ELECTRONIC MARKER BALL ABOVE LATERAL (BALL PROVIDED BY CITY)

BRIDGE PIER BY OTHERS TO BE COMPLETED PRIOR TO CONSTRUCTION OF THE DRIVEWAY SURFACE



INSTALL NEW 8" WATER SERVICES

RECONNECT TO EXISTING 8" STORM SEWER CONNECTION IE=873.4 (VERIFY IN FIELD)

WATER SERVICE

PLUG EXISTING SANITARY LATERAL (OBTAIN PLUG PERMIT FROM CITY)

SEE ARCHITECTURAL DRAWINGS FOR PLANTER DETAIL

SEE ARCHITECTURAL DRAWINGS FOR PLANTER DETAIL

2 - 8" GATE VALVES

DEEP W.M. (10'±)

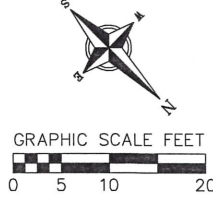
45° BENDS LOCATION APPROXIMATE

DFD CHILLED WATER LINES DIRECT BURY 20" W

6" WM (APPROX. 5.5' DEEP) C T P E E I

DFD - APPROX. 6"x2' STEAM CONDUIT

56" WIDE DUCT/RUN

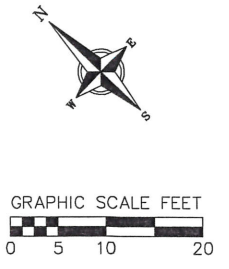
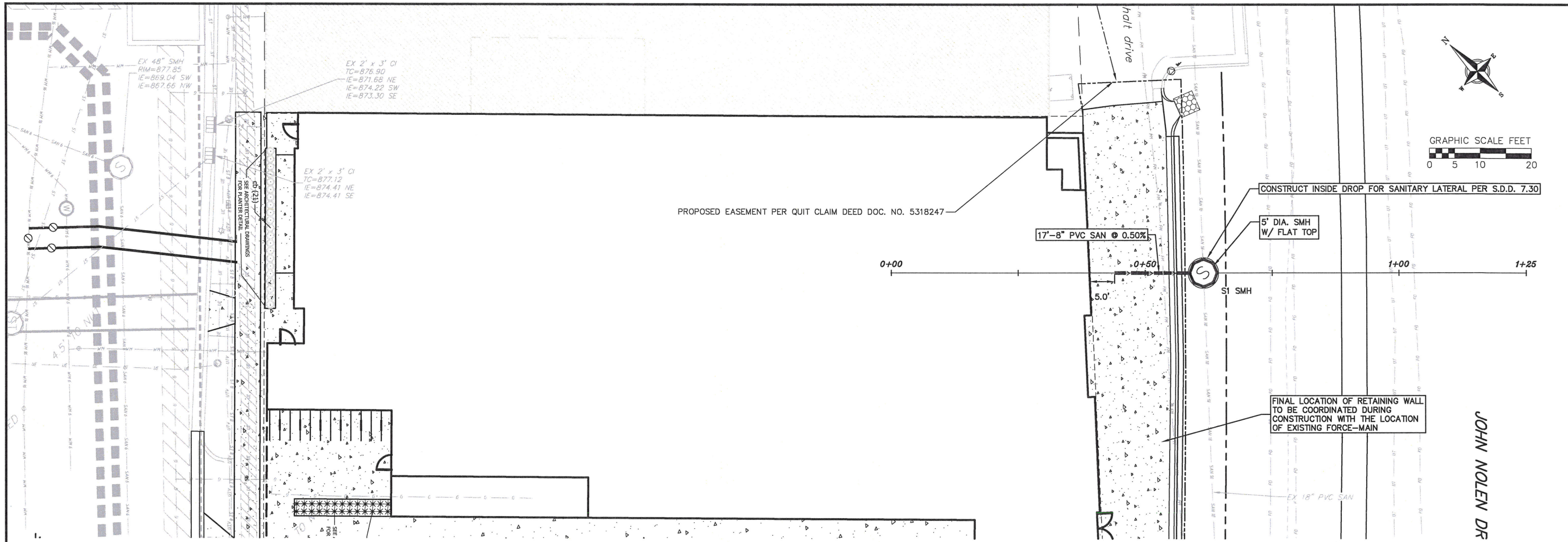


REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE
1	5/04/17		
2	7/24/17		

SCALE	AS SHOWN
DATE	04/26/2017
DRAFTER	DPER
CHECKED	TSCH
PROJECT NO.	170038
C	
401	

UTILITY PLAN
 149 E. WILSON STREET APARTMENTS
 CITY OF MADISON
 DANE COUNTY, WISCONSIN





PROPOSED EASEMENT PER QUIT CLAIM DEED DOC. NO. 5318247

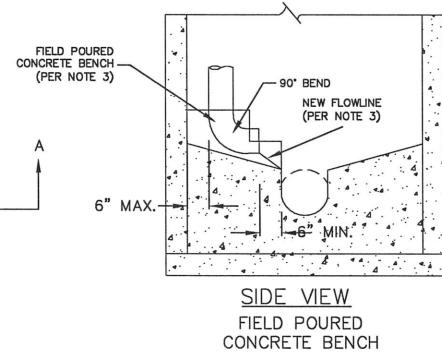
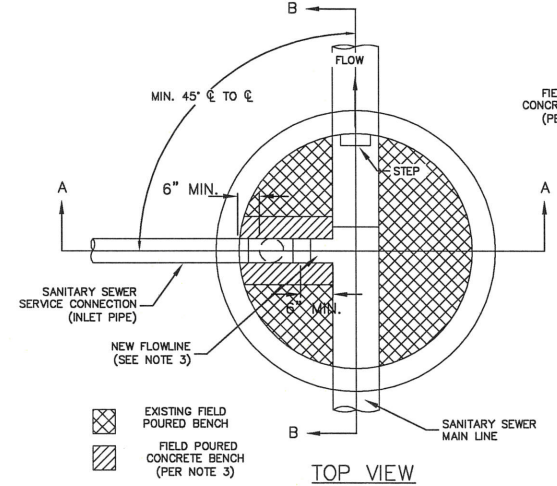
CONSTRUCT INSIDE DROP FOR SANITARY LATERAL PER S.D.D. 7.30

5" DIA. SMH W/ FLAT TOP

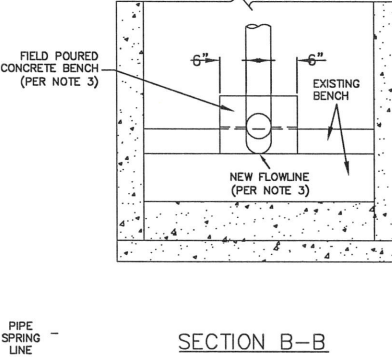
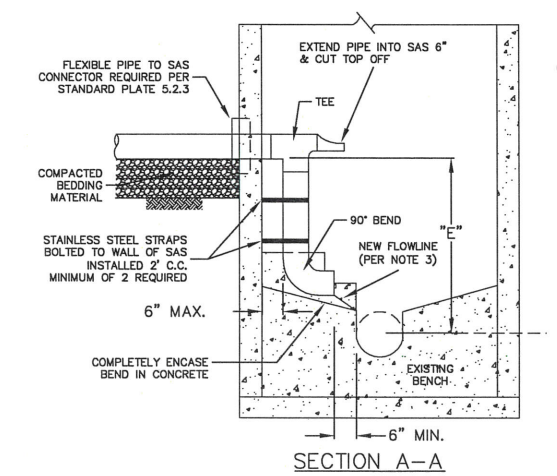
17'-8" PVC SAN @ 0.50%

FINAL LOCATION OF RETAINING WALL TO BE COORDINATED DURING CONSTRUCTION WITH THE LOCATION OF EXISTING FORCE-MAIN

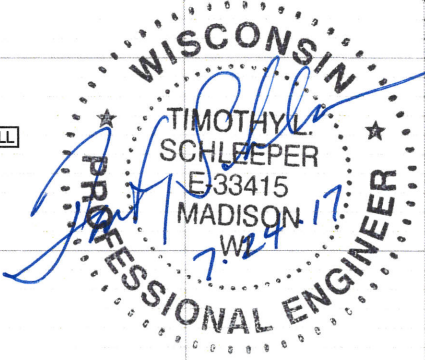
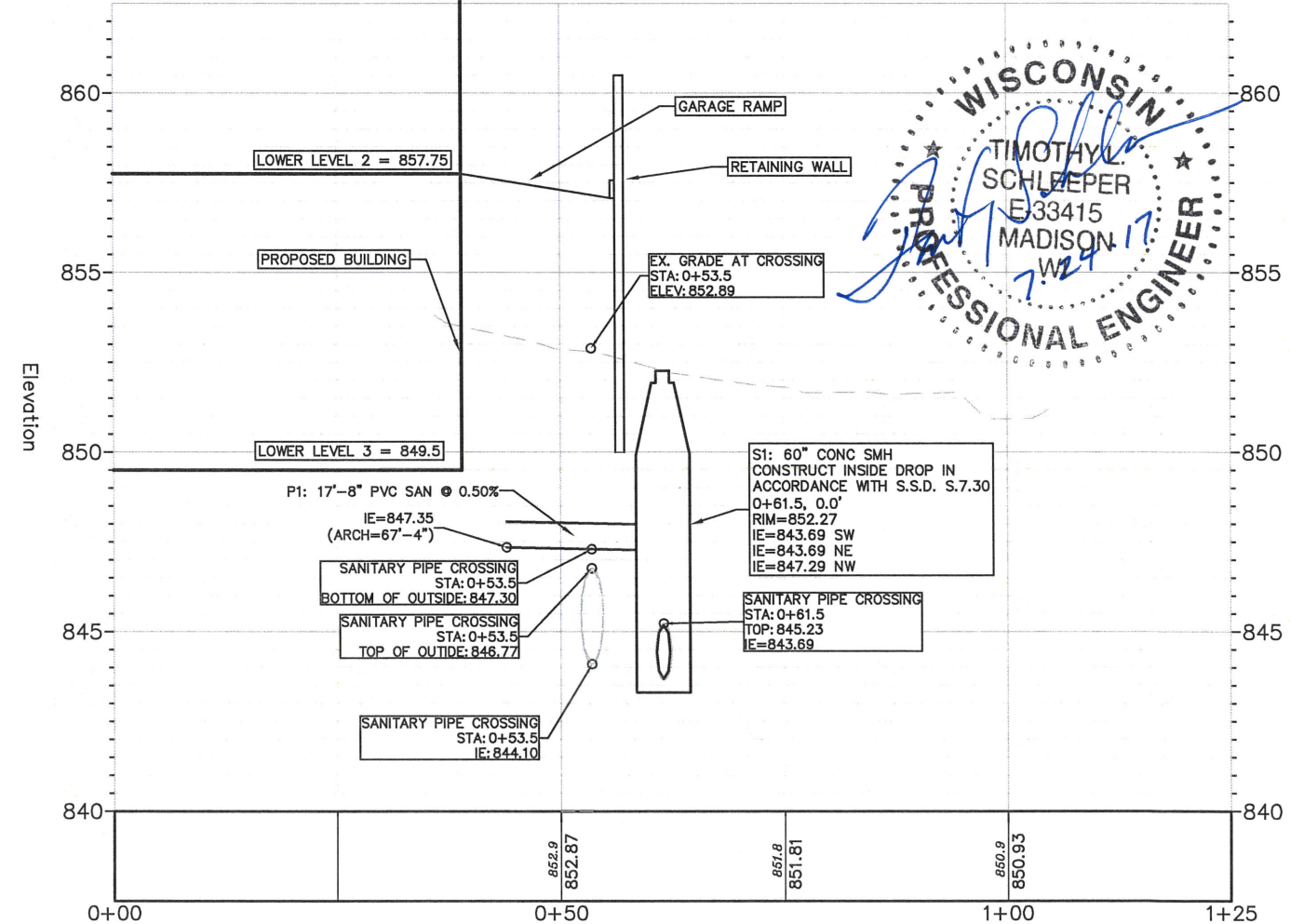
JOHN NOLEN DR



- NOTES:
- 1) INSIDE DROP INLETS SHALL BE USED ONLY WHERE SITE CONDITIONS MAKE AN OUTSIDE DROP CONNECTION INFEASIBLE TO CONSTRUCT. THIS DETERMINATION SHALL BE MADE BY THE ENGINEER IN THE FIELD. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR INSTALLATION OF THE INSIDE DROP INLET FROM THE ENGINEER PRIOR TO CONSTRUCTION.
 - 2.) DROP INLET SHALL BE BUILT WHEN "E" IS GREATER THEN 24" AND THE INLET PIPE DIAMETER IS 8" OR LESS. "E" SHALL BE MEASURED FROM THE INVERT OF THE INCOMING PIPE TO THE SPRINGLINE OF THE OUTGOING SEWER.
 3. ENCASE INLET PIPE IN CONCRETE FROM THE EXISTING BENCH TO FIRST JOINT ABOVE THE 90° BEND. FROM NEW SMOOTH FLOWLINE FROM PIPE END TO MAIN CHANNEL. ROUGH BRUSH FINISH ALL OTHER SURFACES OF THE NEW CONCRETE ENCASEMENT.



1 INSIDE DROP FOR SANITARY LATERAL
C402 STANDARD DETAIL DRAWING 5.7.30



SANITARY PLAN AND PROFILE
149 EAST WILSON STREET APARTMENTS
CITY OF MADISON
DANE COUNTY, WISCONSIN

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE
1	2/22/17	4	7/24/17
2	4/26/17	3	5/04/17

SCALE AS SHOWN
DATE 02/17/2017
DRAFTER DPER
CHECKED TSCH
PROJECT NO. 170038