

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

DECEMBER 11, 2012

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 4/19/13
City Engineer Date

INDEX OF SHEETS

SHEET NO.	TITLE
1	
DI-D2	DETAILS
P1	DRAKE STREET SIDEWALK PLAN AND PROFILE
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P3	ALLEY PLAN AND PROFILE
UI-U2	UTILITY PLANS
E1	ELECTRICAL PLAN

502 S. PARK ST. AND 917-925 DRAKE STREET PUD

CITY PROJECT NO. 53B2321
CONTRACT NO. 2321

SIDEWALK DESIGNED BY:



STORM SEWER DESIGNED BY:



SANITARY SEWER DESIGNED BY:

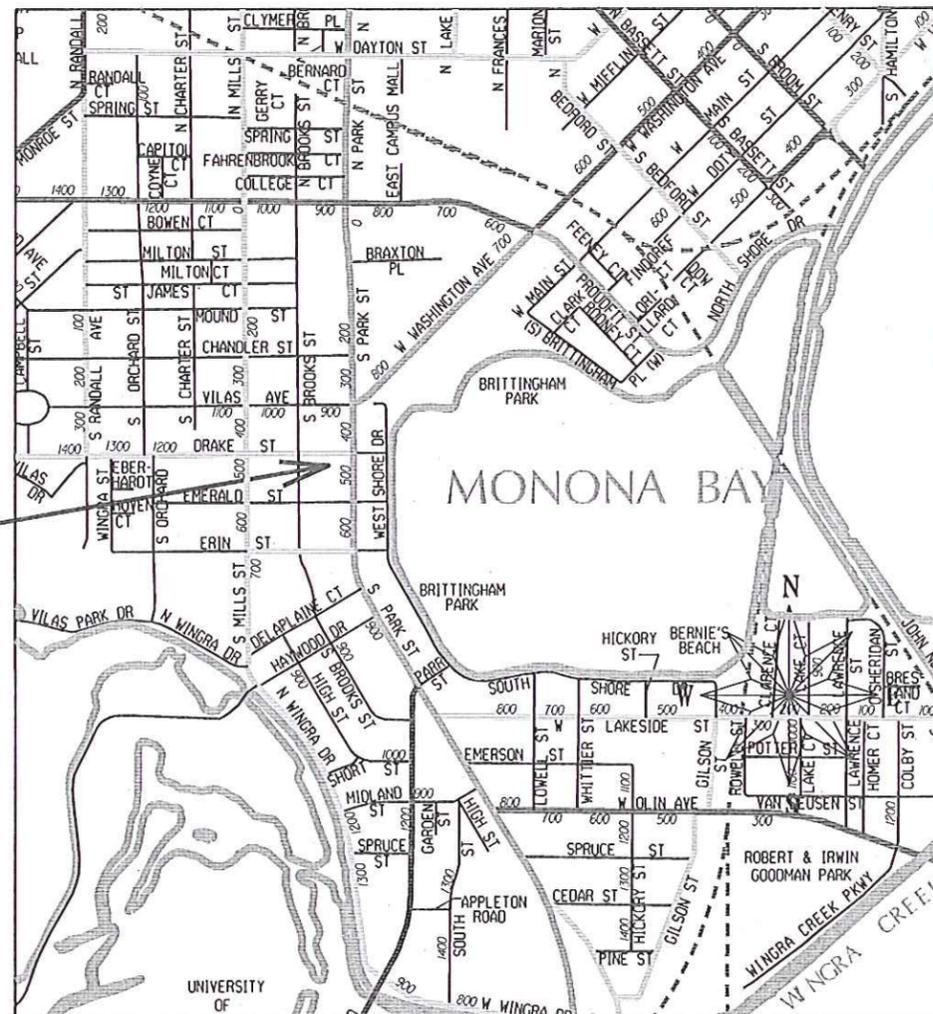
LATERALS ONLY

ELECTRICAL DESIGNED BY:



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	

CONSTRUCTION PROJECT LOCATION



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 2.00%.

SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

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

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.

THE DEVELOPER/CONTRACTOR SHALL CONTACT CITY FORESTRY (DEAN KAHL 266-4891 OR 266-4816) PRIOR TO EXCAVATING WITHIN 5 FT. OF AN EXISTING TREE SO THAT THEY MAY PROVIDE DIRECTION ON THE WORK. THE DEVELOPER/CONTRACTOR SHALL ALSO CONTACT CITY FORESTRY AT LEAST ONE WEEK PRIOR TO ANY TREE REMOVALS OR PRUNING TO OBTAIN A PERMIT FOR TREE REMOVAL OR PRUNING WITHIN THE RIGHT-OF-WAY.

CONTRACTOR SHALL REPLACE TREES WITH REPLACEMENT SPECIES AS NOTED ON THE PLANS WITHIN THE TERRACES. ALL REPLACEMENT TREES SHALL BE AT LEAST 2.5" CALIPER B&B PLANTING STOCK. CONTRACTOR SHALL CONTACT DEAN KAHL WITH CITY FORESTRY (266-4891 OR 266-4816) AT LEAST ONE WEEK PRIOR TO PLANTING TO ALLOW FORESTRY TO SCHEDULE INSPECTION AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPING CONTRACTOR.

THE DEVELOPER/CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW TO CITY TRAFFIC ENGINEERING AT LEAST 10 WORKING DAYS PRIOR TO WORK BEGINNING WITHIN THE RIGHT OF WAY. WORK SHALL NOT PROCEED IN THE RIGHT OF WAY UNTIL THE TRAFFIC CONTROL PLAN HAS BEEN APPROVED. THE TRAFFIC CONTROL PLAN MAY INCLUDE BUT IS NOT LIMITED TO: LANE CLOSURE RESTRICTIONS, PEAK HOUR WORKING RESTRICTIONS, ACCESS REQUIREMENTS, ETC. THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR PHASING WORK AS NECESSARY TO MEET THE REQUIREMENTS OF THE APPROVED TRAFFIC CONTROL PLAN.

ALL PAVEMENT IN THE DRAKE STREET RIGHT OF WAY SHALL BE TYPE B PAVEMENT. PAVEMENT IN PARK STREET ROW IS 9" CONCRETE PAVEMENT. ALLEY SHALL BE TYPE A PAVEMENT.

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

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL BE 2%. 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: _____

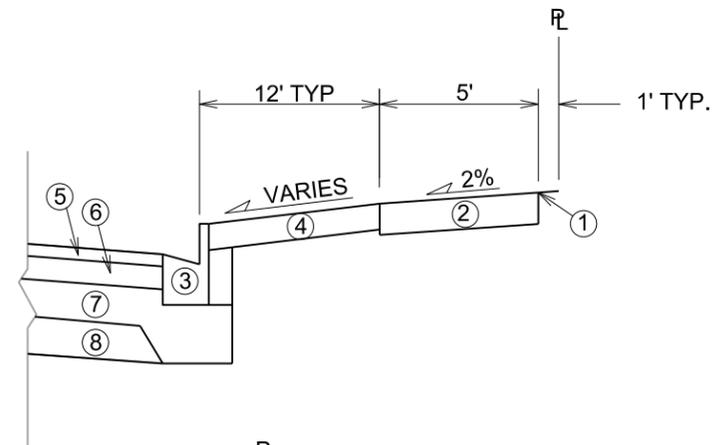
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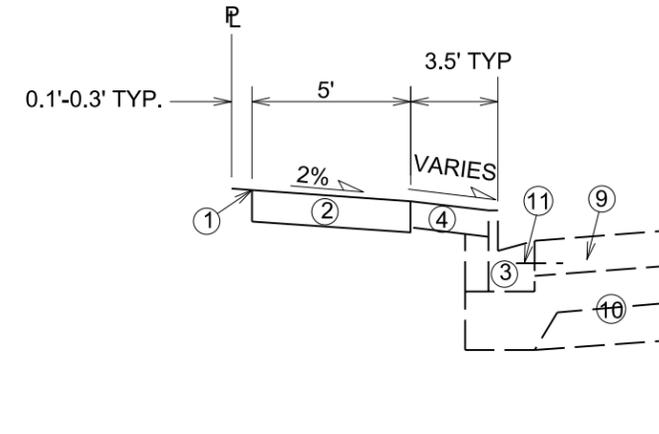
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

- ① REFERENCE LINE AND/OR POINT REFERRED TO ON PROFILE
- ② 5" OR 7" CONCRETE SIDEWALK
- ③ TYPE 'A' CONCRETE CURB & GUTTER
- ④ 4" TOPSOIL, SEED & MAT
- ⑤ 2" UPPER LAYER BIT PVMT, 12.5 mm, TYPE E-1
- ⑥ 2.25" LOWER LAYER BIT PVMT, 12.5 mm, TYPE E-1
- ⑦ GRADATION 2 CRUSHED AGG BASE COURSE, 4" TYP.
- ⑧ GRADATION 1 CRUSHED AGG BASE COURSE, 6" TYP
- ⑨ EXISTING 9" CONCRETE PAVEMENT
- ⑩ EXISTING BASE COURSE
- ⑪ PAVEMENT TIE PER S.D.D. 3.10
- ⑫ 1.75" UPPER LAYER BIT PVMT, 12.5 mm, TYPE E-0.3
- ⑬ 1.75" LOWER LAYER BIT PVMT, 12.5 mm, TYPE E-0.3

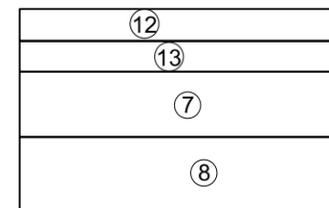
TYPICAL FINISHED SECTION
DRAKE STREET
NTS



TYPICAL FINISHED SECTION
PARK STREET
NTS



TYPICAL PATCH
ALLEY
NTS



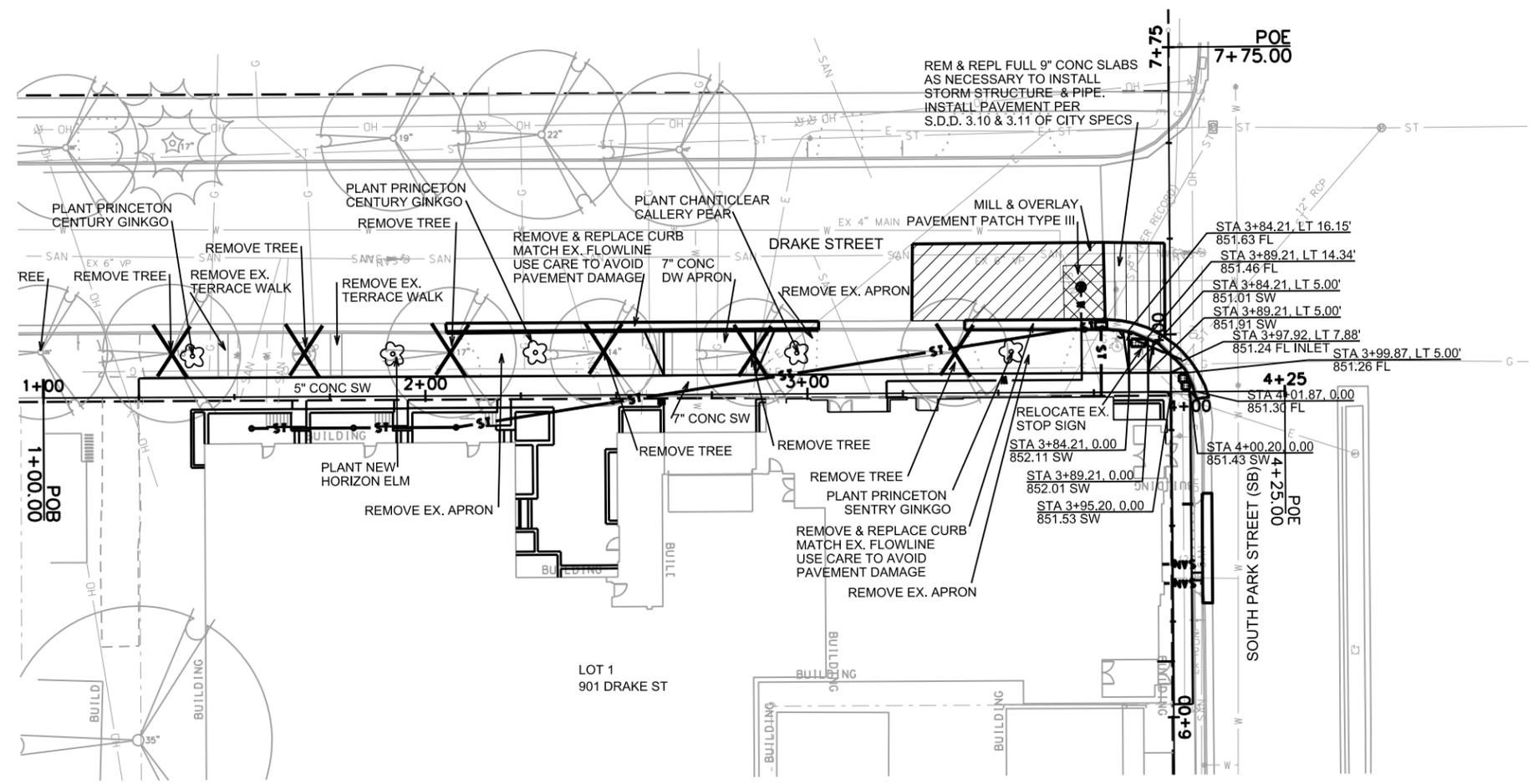
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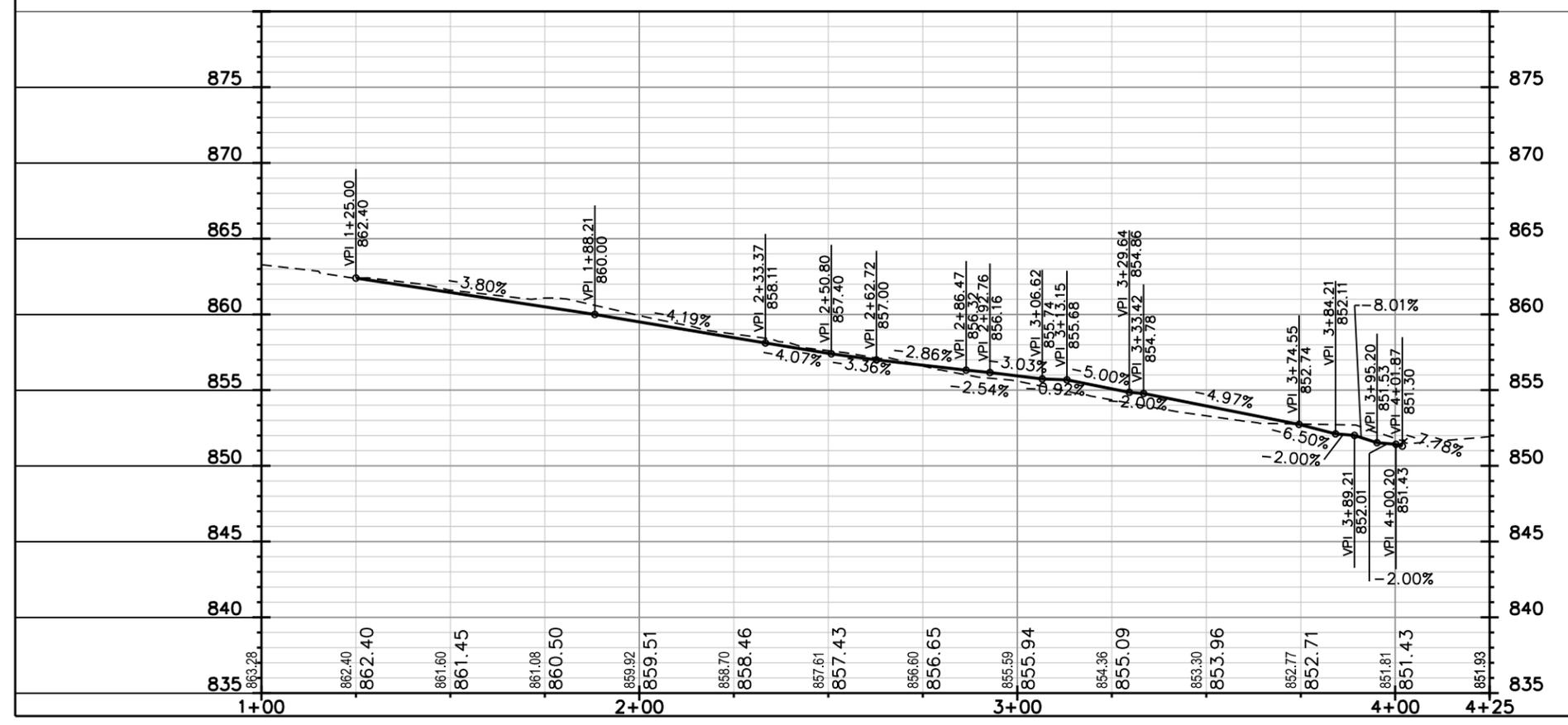
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
DRAKE STREET SIDEWALK CITY OF MADISON



NOTE: CONTRACTOR SHALL CONTACT CITY FORESTRY AT LEAST 1 WEEK PRIOR TO TREE PLANTING TO MARK THE PLANTING SITES AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPE CONTRACTOR. ALL TREES SHALL BE AT LEAST 2.5\"/>

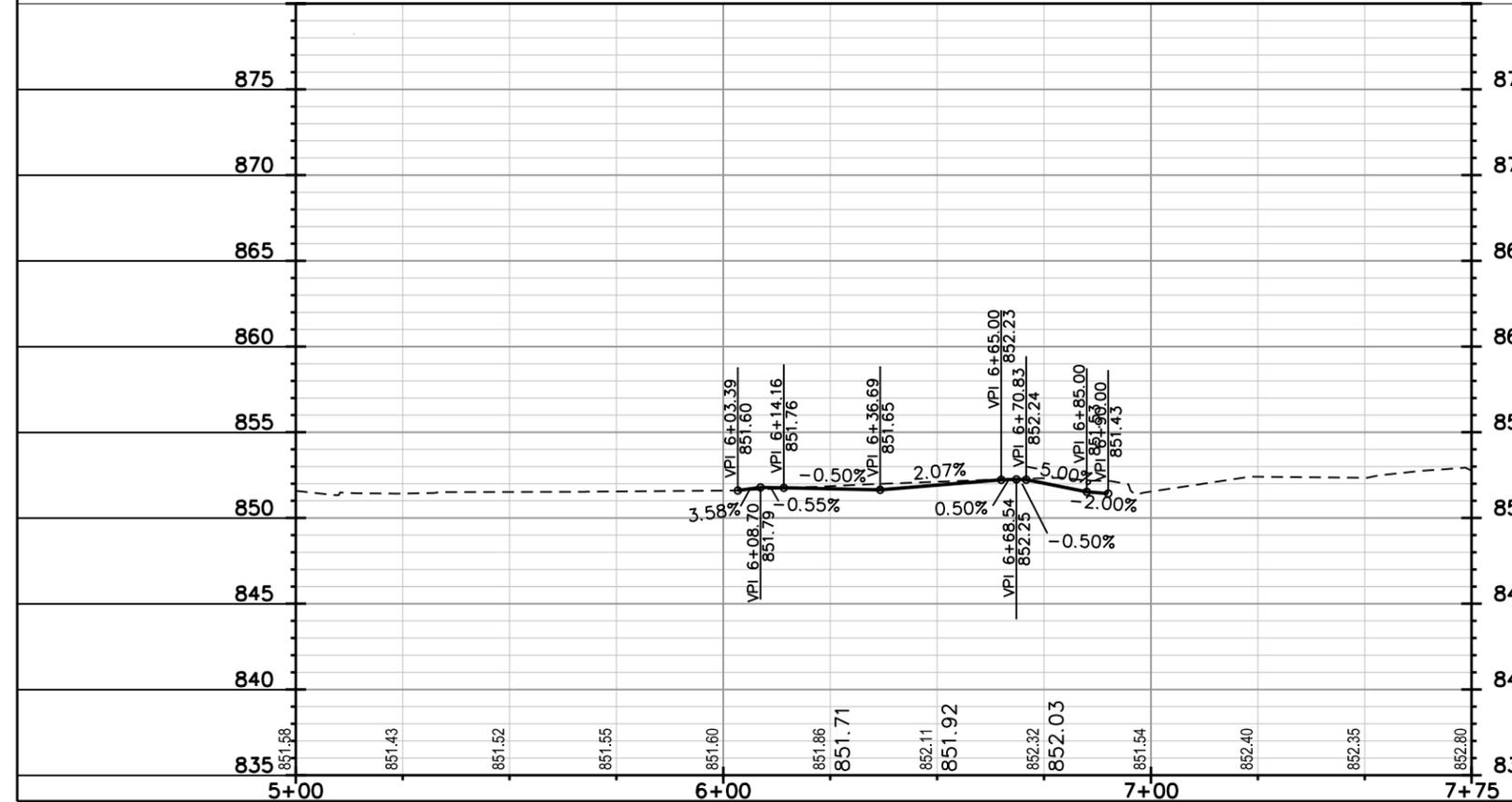
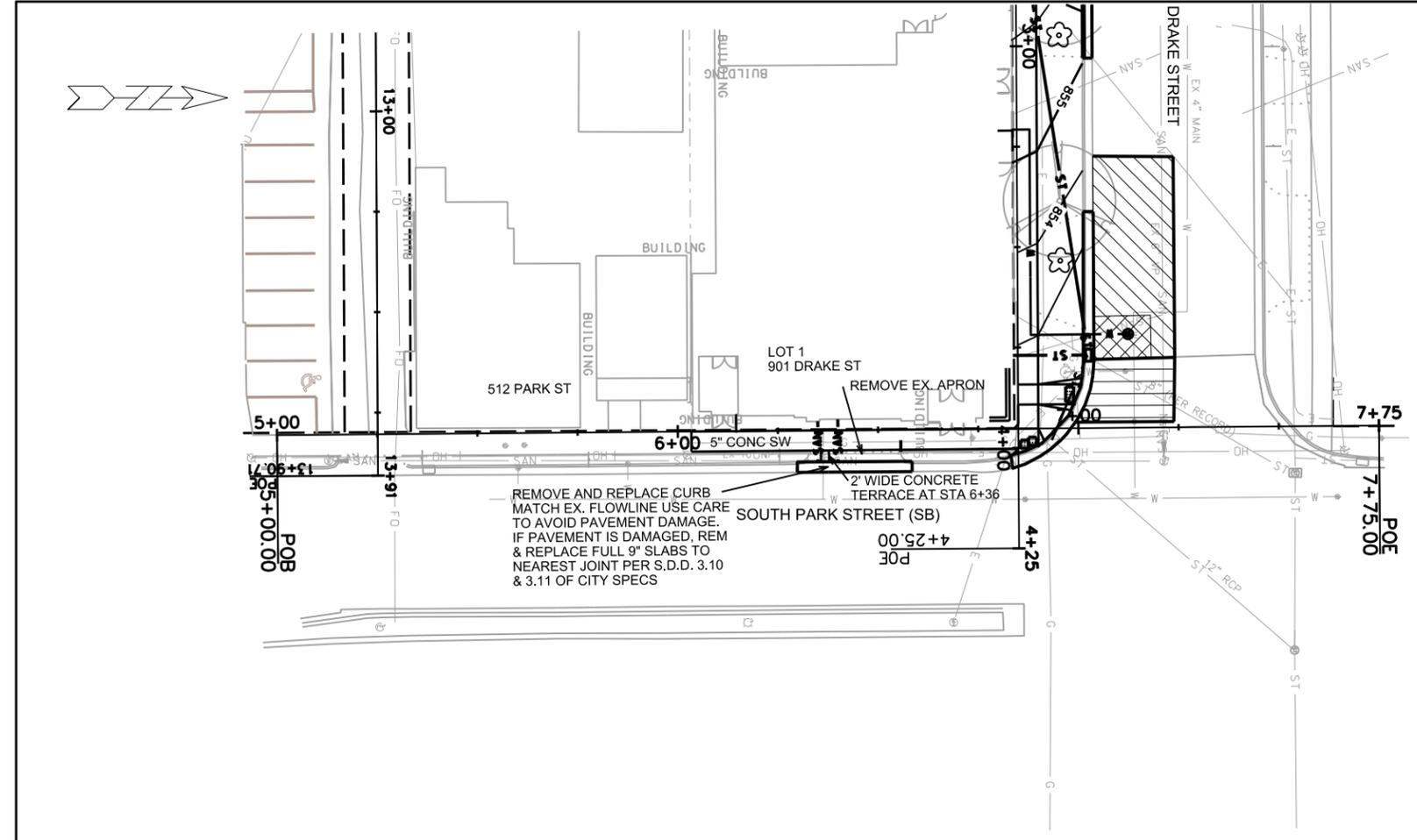
FOR REMOVAL OR RELOCATION OF TRAFFIC AND PARKING SIGNS, CONTACT THE CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS AT 266-4767 A MINIMUM OF ONE WORKING DAY IN ADVANCE OF WHEN SIGNS NEED TO BE REMOVED. THE CONTRACTOR SHALL LEAVE ALL BARRICADES AND TRAFFIC CONTROL IN PLACE UNTIL SUCH TIME THAT PERMANENT PAVEMENT MARKING AND SIGNING HAS BEEN INSTALLED BY THE CITY.



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

PLAN AND PROFILE
S. PARK STREET SIDEWALK CITY OF MADISON

FOR REMOVAL OR RELOCATION OF TRAFFIC AND PARKING SIGNS, CONTACT THE CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS AT 266-4767 A MINIMUM OF ONE WORKING DAY IN ADVANCE OF WHEN SIGNS NEED TO BE REMOVED. THE CONTRACTOR SHALL LEAVE ALL BARRICADES AND TRAFFIC CONTROL IN PLACE UNTIL SUCH TIME THAT PERMANENT PAVEMENT MARKING AND SIGNING HAS BEEN INSTALLED BY THE CITY.

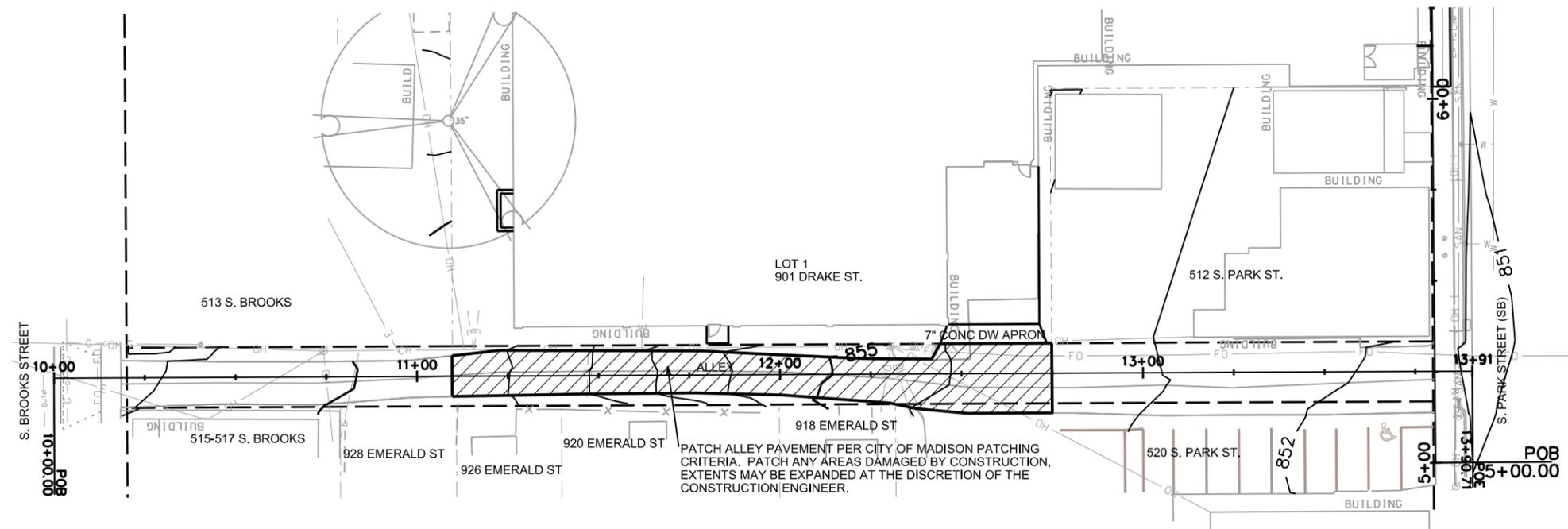


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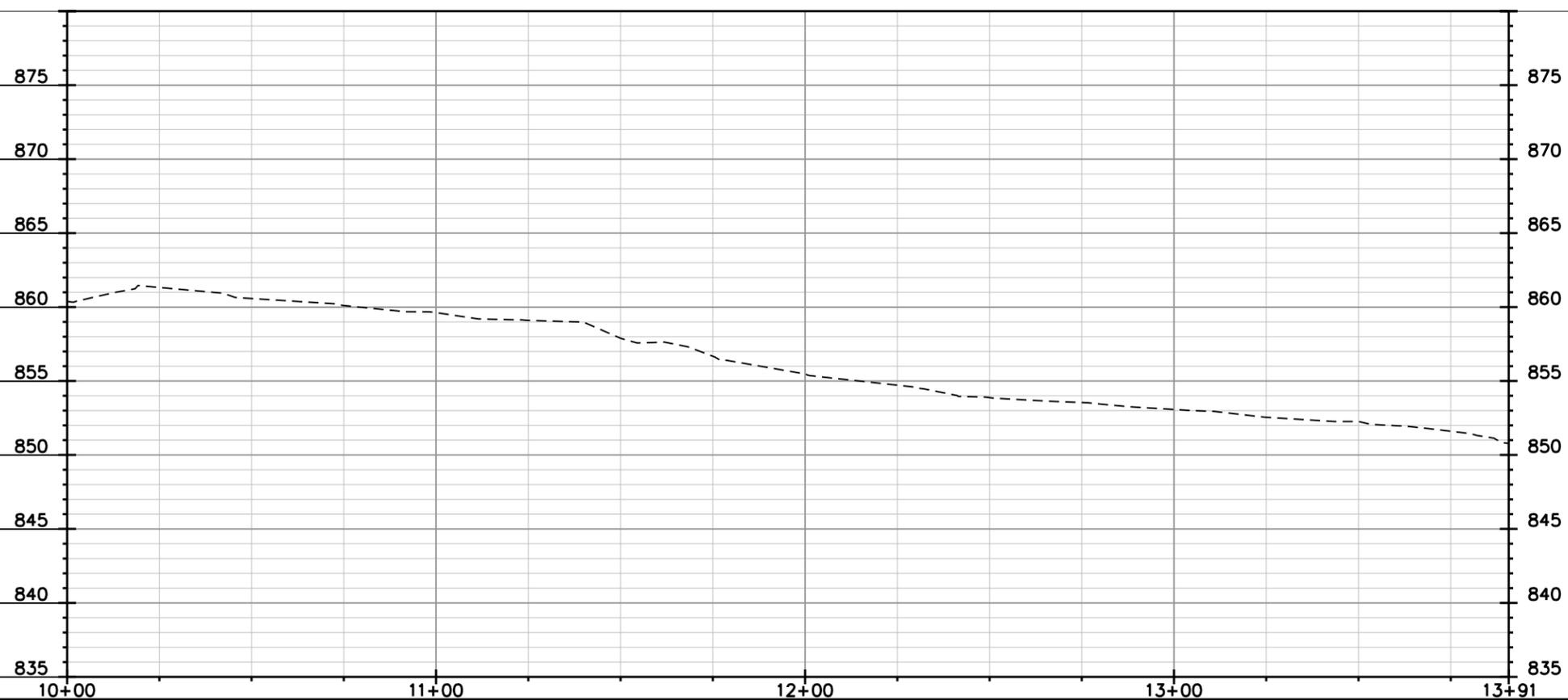
PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PATCH ALLEY PAVEMENT PER CITY OF MADISON PATCHING CRITERIA. PATCH ANY AREAS DAMAGED BY CONSTRUCTION, EXTENTS MAY BE EXPANDED AT THE DISCRETION OF THE CONSTRUCTION ENGINEER.

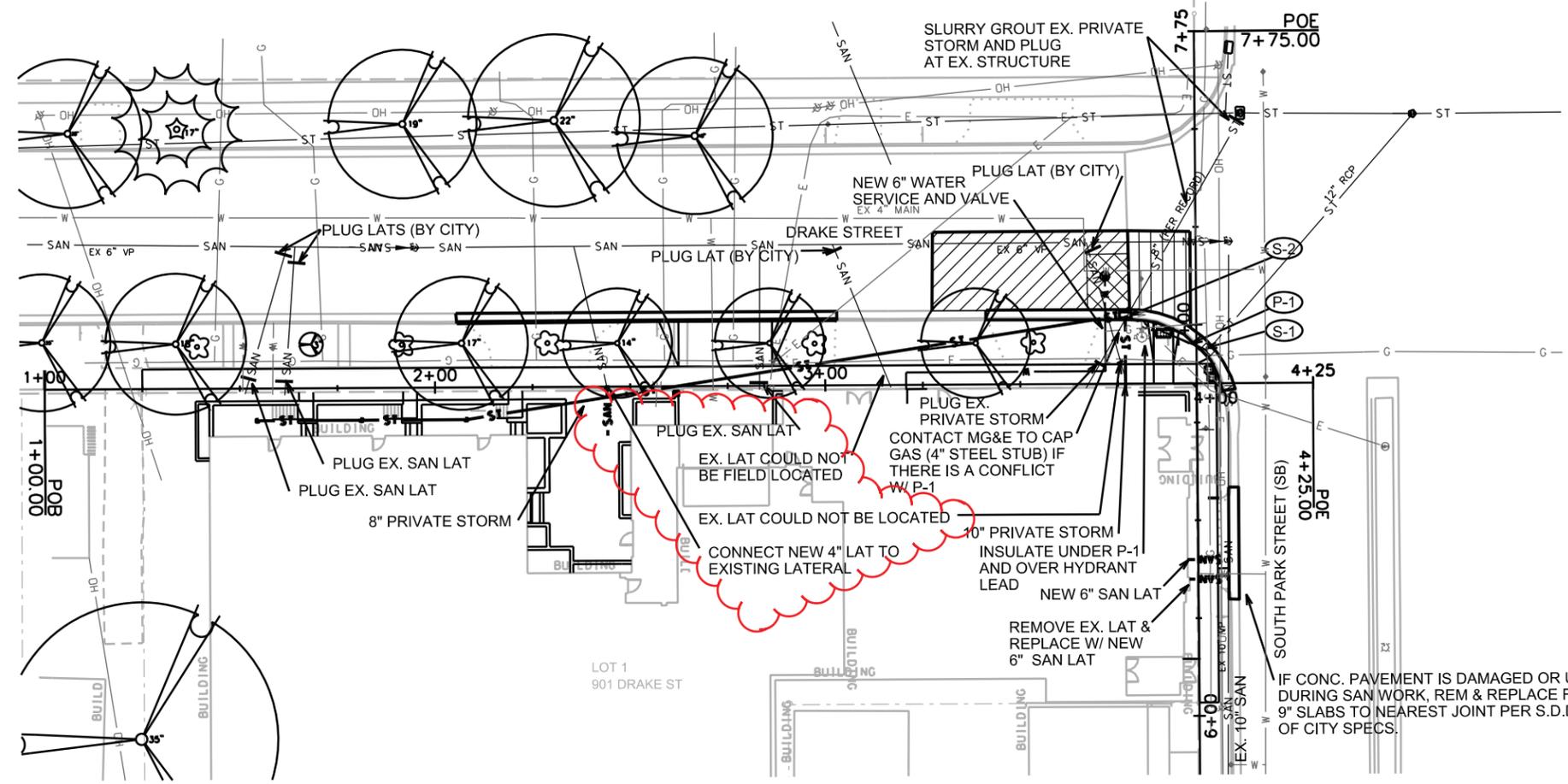


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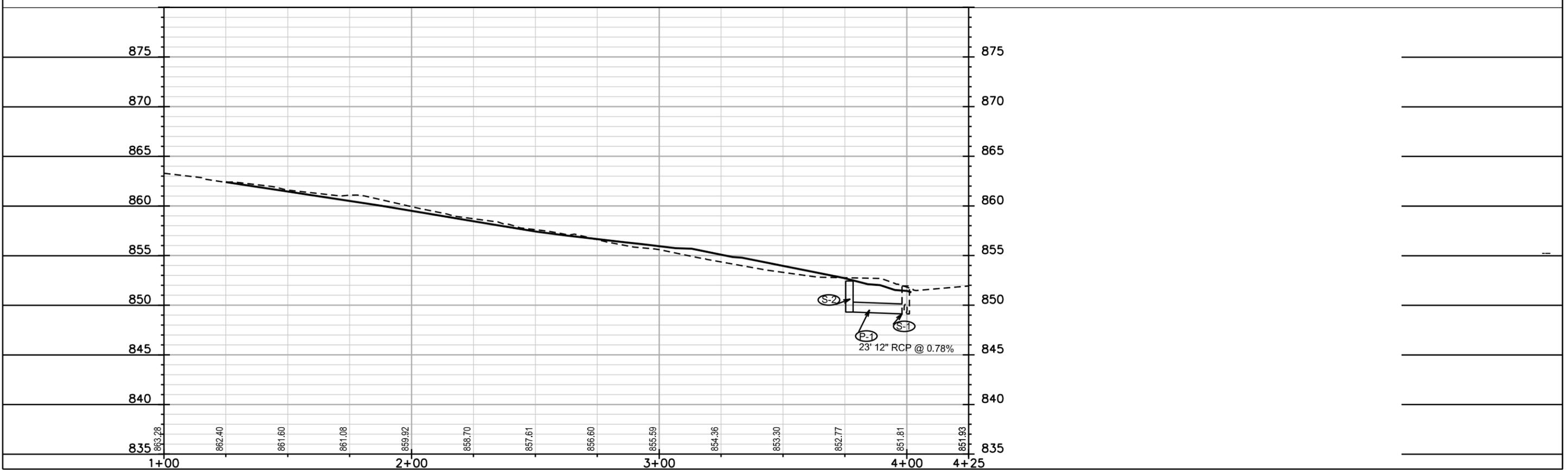
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FOR REMOVAL OR RELOCATION OF TRAFFIC AND PARKING SIGNS, CONTACT THE CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS AT 266-4767 A MINIMUM OF ONE WORKING DAY IN ADVANCE OF WHEN SIGNS NEED TO BE REMOVED. THE CONTRACTOR SHALL LEAVE ALL BARRICADES AND TRAFFIC CONTROL IN PLACE UNTIL SUCH TIME THAT PERMANENT PAVEMENT MARKING AND SIGNING HAS BEEN INSTALLED BY THE CITY.

IF CONC. PAVEMENT IS DAMAGED OR UNDERMINED DURING SAN WORK, REM & REPLACE FULL 9\"/>



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'DS' =DRAKE STREET SIDEWALK
'PS' =PARK STREET SIDEWALK

502 S. PARK ST & 917-925 DRAKE ST
PROJECT NO 53B2321

SHEET NO.
U-2

STORM SEWER SCHEDULE CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	3'DS'+98.12	LT-8.32	TAP	---	849.15	---	TAP EX. STRUCTURE IN 4755-007
S-2	3'DS'+76.97	LT-17.36	H INLET	852.46	849.33	3.13	W/ R-1550 LOGO LID 1550-0054, (1)

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1	S-2	23	849.15	849.33	0.78%	12"	RCP	INSULATE OVER HYDRANT LEAD

SPECIFIC NOTES:

(1) CONNECT TO PRIVATE 8" HDPE TO W, EI= 849.33, CONNEC TO PRIVATE 10" PIPE TO SOUTH, EI = 849.33

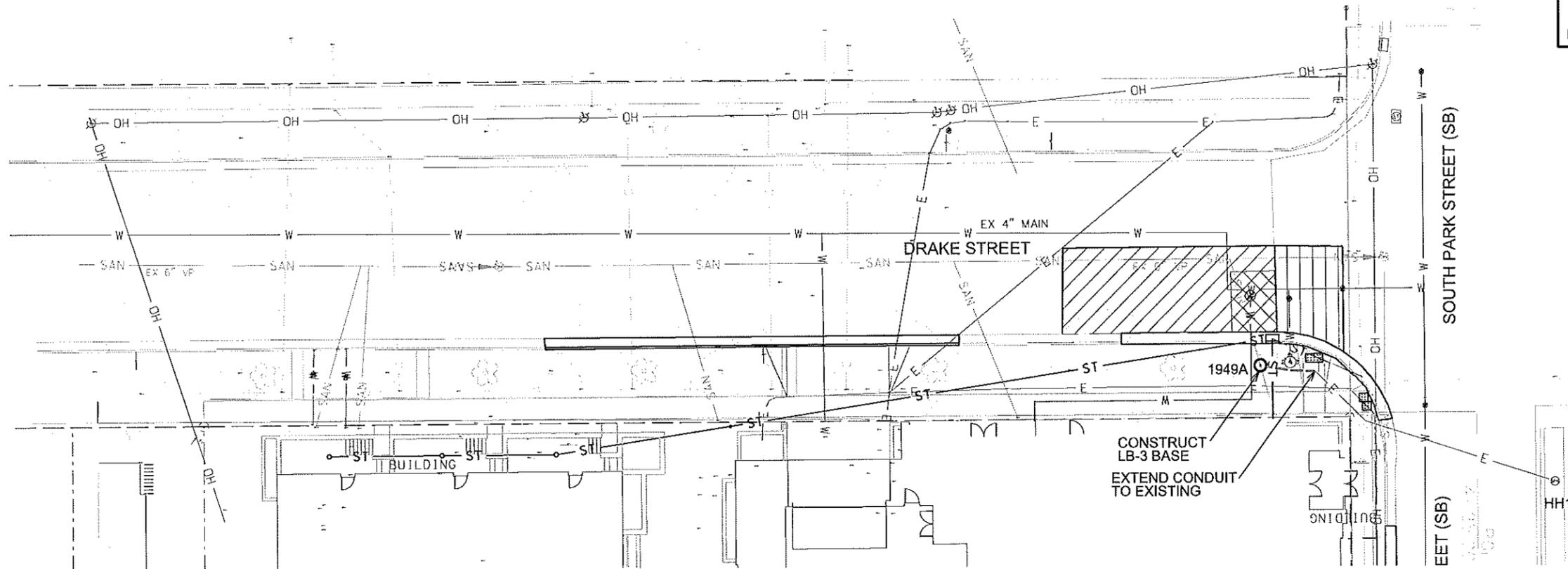
STANDARD NOTES:

- 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
- 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 LISA COLEMAN OF CITY ENGINEERING AT (608) 266-4093 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

ELECTRICAL PLAN

DRAKE ST., S. PARK ST. CITY OF MADISON

4/15/13 KF



LEGEND

- ⊙ LB-3 BASE
- 2' OR MATCH EXISTING
- ⊗ EXISTING ELECTRICAL HANDHOLE

GENERAL ELECTRIC NOTES:

1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY DAN DETTMANN (266-6536) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT OR BASE LOCATIONS MARKED.
2. BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED. SUBJECT TO NOTE 1 ABOVE.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH 'CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2013 EDITION' AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
4. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
5. THE CONTRACTOR SHALL ARRANGE FOR PICK UP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED FOR PICKUP BY CALLING DENNIS ROWE, TRAFFIC ENGINEERING SHOP, 266-9034 1120 SAYLE ST, AT LEAST 24-HOURS PRIOR TO NEEDING MATERIALS:

-1"x40" ANCHOR BOLTS 1 SET OF 4

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.