

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

501 CHARMANY DRIVE (ENDEAVOR LANE)

CITY PROJECT NO. 11847

CONTRACT NO. 8166

REVISION 4/5/19 AJZ
- Add Sanitary Sewer Exhibits
REVISION 10/28/19 AJZ
- Add Private Lighting Plans

PUBLIC IMPROVEMENT PROJECT APPROVED

May 15, 2018

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

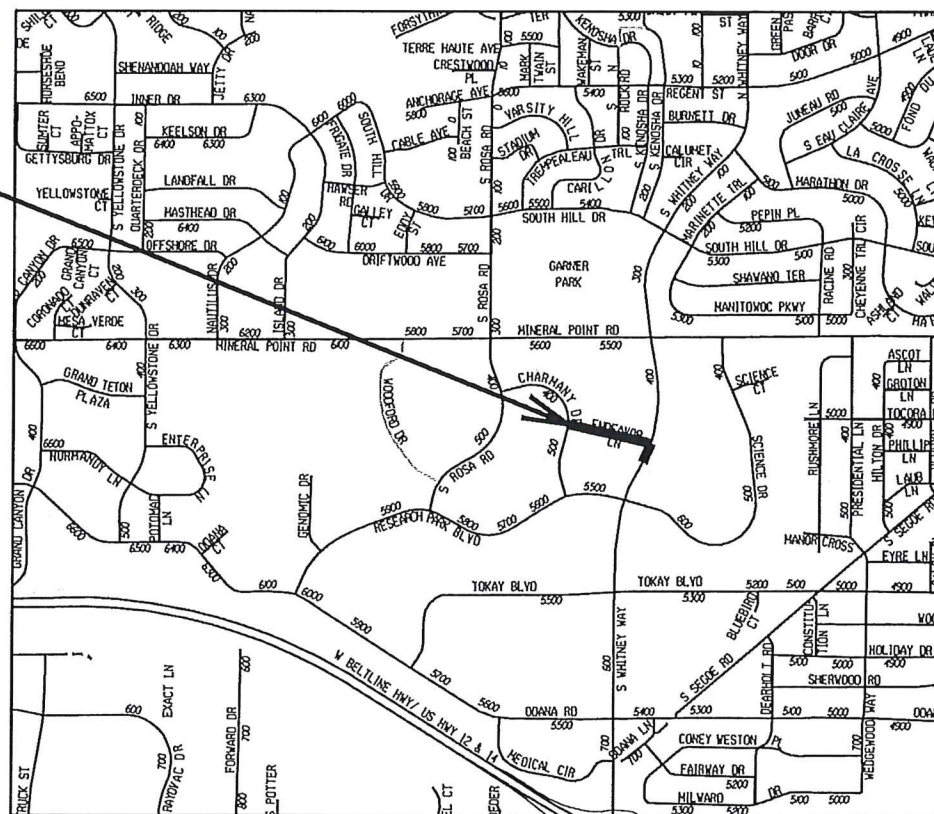
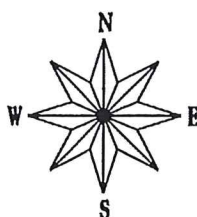
PUBLIC IMPROVEMENT DESIGN APPROVED BY:


City Engineer
2/28/19
Date

INDEX OF SHEETS

SHEET NO.	TITLE
SHEET NO. 1	STANDARD NOTES & COMMENTS
SHEET NO. D1	TYPICAL SECTIONS
SHEET NO. D2	STORM STRUCTURE DETAIL
SHEET NO. D3	PLANTER LAYOUT AND DETAILS
SHEET NO. PLNT1-PLNT3	ENDEAVOR LANE PLAN & PROFILE
SHEET NO. PI-P2	WHITNEY WAY PLAN
SHEET NO. PL1	CHARMANY DRIVE PLAN
SHEET NO. PL2	SEWER PLAN & PROFILE
SHEET NO. U1-U3	STORM SEWER SCHEDULE
SHEET NO. U4	SANITARY SEWER EXHIBITS
SHEET NO. EX1-EX4	WATER PLAN & PROFILE
SHEET NO. W1-W2	WATER ESTIMATE OF MATERIALS
SHEET NO. W3	ELECTRICAL PLANS (STREET LIGHTS)
SHEET NO. E1-E3	ELECTRICAL PLANS (PRIVATE LIGHTING WITHIN RW)
SHEET NO. E0-01, E0-01	LANDSCAPING PLANS
SHEET NO. L1-L2	PAVEMENT MARKING PLANS
SHEET NO. PMI-PM2	

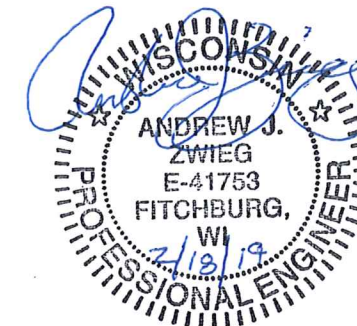
PROJECT LOCATION



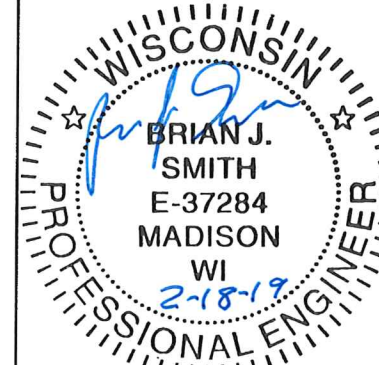
PAVEMENT MARKING DESIGNED BY:



STREET DESIGNED BY:



LIGHTING DESIGNED BY:



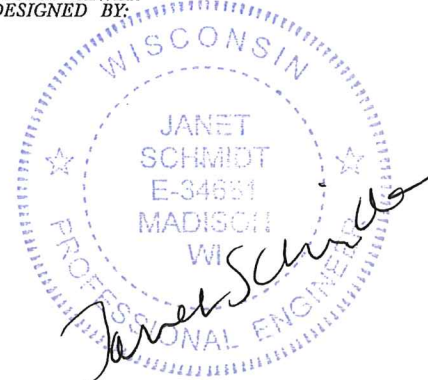
SANITARY SEWER DESIGNED BY:

ADJUST STRUCTURE ONLY
2/18/19 Mark Al

WATER MAIN DESIGNED BY:



STORM SEWER DESIGNED BY:



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 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%

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

EXISTING STREET TREES SHALL BE PROTECTED. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF A TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) 48 HOURS PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
-[HTTP://WWW.CITYOFMADISON.COM/BUSINESSPW/DOCUMENTS/STDSPESCS2013/PART1.PDF](http://www.cityofmadison.com/business/pwd/documents/stdspecs2013/part1.pdf)

CONTRACTOR SHALL CONTACT CITY FORESTRY BRAD HOFMANN BHOFMANN@CITYOFMADISON.COM OR 266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTING THE NURSERY STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION WILL REQUIRE AT LEAST A 72 HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.

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 WITHIN THE ENDEAVOR LANE RIGHT-OF-WAY SHALL CONSIST OF:
1 3/4" BITUMINOUS UPPER LAYER, 4 LT 58-28 S
1 3/4" BITUMINOUS LOWER LAYER, 4 LT 58-28 S

ALL EXISTING PAVEMENT (TRAVEL LANES) DISTURBED WITHIN THE WHITNEY WAY RIGHT-OF-WAY SHALL CONSIST OF:
2" BITUMINOUS UPPER LAYER, 4 MT 58-28 S
3 1/2" BITUMINOUS LOWER LAYER, 3 MT 58-28 S

THE PROPOSED LEFT TURN LANE ALONG THE WHITNEY WAY RIGHT-OF-WAY SHALL CONSIST OF:
2" BITUMINOUS UPPER LAYER, 4 MT 58-28 S
3 1/2" BITUMINOUS LOWER LAYER, 3 MT 58-28 S

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 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 0.4% 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.

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.

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.

DAMAGE TO ANY EXISTING CURB, PAVEMENT, SIDEWALK, ETC. THAT IS TO REMAIN SHALL BE REPAIRED BY THE DEVELOPER/CONTRACTOR AS DIRECTED BY THE ENGINEER.

DEVELOPER/CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO ADJUST STRUCTURES, MANHOLES, HANDHOLES, ETC. AS NEEDED TO MATCH THE GRADE OF THE NEW PAVEMENT.

ANY WORK SHOWN ON THIS PLAN THAT IS OUTSIDE OF THE RIGHT-OF-WAY OR BEYOND THE LIMITS OF THIS PROJECT SHALL BE CONSIDERED APPROXIMATE AND NOT FOR CONSTRUCTION.

7" STAMPED & COLORED CONCRETE SPECIAL PROVISION

DESCRIPTION

THIS WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF PART 3 OF THE STANDARD SPECIFICATIONS, EXCEPT AS HEREIN AFTER AMENDED.

A SEPARATE DESIGN MIX SHALL BE PROVIDED FOR ALL AREAS TO RECEIVE INTEGRALLY COLORED CONCRETE. INTEGRALLY COLORED CONCRETE MIX(ES) SHALL NOT CONTAIN FLY ASH. CONSIDER ADMIXTURE RECOMMENDATIONS FOR CONCRETE MIX DESIGN, HOWEVER, MIX DESIGN MUST ALSO CONFORM TO THE STANDARD SPECIFICATIONS. SUBMIT THE CONCRETE MIX DESIGN TO THE CITY OF MADISON FOR REVIEW.

CONTRACTOR SHALL PROVIDE A 12*XI2*SAMPLE OF THE COLORED CONCRETE, WHICH WILL BE REVIEWED AND APPROVED BY THE CITY PRIOR TO FINAL INSTALLATION. PROVIDE A MINIMUM OF 3 DAYS NOTICE TO THE ENGINEER IN ORDER TO SCHEDULE REVIEW OF THE SAMPLE.

EXCESS CONCRETE MATERIAL FROM MOCKUPS CAN BE USED ELSEWHERE PER THE ENGINEERS APPROVAL IF THE MIX DESIGN MEETS THE STANDARD REQUIREMENTS OF THE SECONDARY USE.

MATERIALS

INTEGRAL-MIX COLORED ADMIXTURE SHALL CONFORM TO THE REQUIREMENTS OF ACI 303.1, ASTM C979, ASTM C494 AND ASSHTO M194. ADMIXTURE SHALL BE A SINGLE-COMPONENT, COLORED, WATER-REDUCING, SET-CONTROLLING ADMIXTURE CONTAINING NO CALCIUM CHLORIDE WITH COLORING AGENTS THAT ARE LIME-PROOF AND ULTRA-VIOLET RESISTANT. THE ADMIXTURE SHALL BE FACTORY FORMULATED AND PACKAGED IN CUBIC YARD DOSAGE INCREMENTS, NOT MULTIPLE ADDITIVES AND PIGMENTS ADDED SEPARATELY INTO THE MIX.

THE COLOR SHALL EITHER BE BASF NATURAL BARK (MC5002) OR AN APPROVED EQUAL.

ALL SURFACES SHALL BE CURED UNIFORMLY. THE CONCRETE SHALL NEVER BE COVERED WITH PLASTIC SHEETING.

CURING COMPOUND SHALL COMPLY WITH ASTM C309 AND BE OF SAME MANUFACTURER AS COLORED ADMIXTURE, FOR USE WITH INTEGRALLY COLORED CONCRETE. ALL PLACING, FINISHING, CURING, JOINT SEALING, AND PATCHING SHALL BE IN ACCORDANCE WITH THE ADMIXTURE MANUFACTURER'S RECOMMENDATIONS.

IMPRINTING PATTERN: USE A 6*X 6*COBBLESTONE PATTERN.

CONSTRUCTION

ADD COLOR PIGMENT TO CONCRETE MIXTURE ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND TO RESULT IN HARDENED CONCRETE COLOR CONSISTENT WITH APPROVED SAMPLES.

PROTECT ALL ADJOINING AREAS OF CONCRETE PRIOR TO POURING COLORED CONCRETE. PERFORM ANY FINISHING WORK AS NECESSARY TO PREPARE THE COLORED CONCRETE FOR STAMPING AS RECOMMENDED BY THE PATTERN MANUFACTURER.

SET STAMP PATTERN IN ACCORDANCE TO THE MANUFACTURER'S SPECIFIED METHODS. CHECK ALL DEPTHS OF IMPRINTS BY TOOL-TO-TOOL SURFACE LEVELING. PERFORM TOOLING AND FINISHING AS STAMPING TOOLS ARE REMOVED AFTER IMPRINTING. ELIMINATE ALL SQUEEZE JOINTS BETWEEN STAMPING TOOLS, IF ANY, WITH HAND TOOLS PRIOR TO CONCRETE SETTING.

JOINT THE CONCRETE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AMENDED AS FOLLOWS: SAW JOINTS SUCH THAT THE SAW JOINT FOLLOWS THE CONCRETE RECESS.

APPLY CURING COMPOUND PER MANUFACTURER'S RECOMMENDED COVERAGE RATE AND TO MEET CURING REQUIREMENTS OF THE CITY OF MADISON STANDARD SPECIFICATIONS.

7* STAMPED & COLORED CONCRETE SHALL MATCH THE VISUAL APPEARANCE OF THE APPROVED REFERENCE SAMPLES.

PLOT SCALE: _____

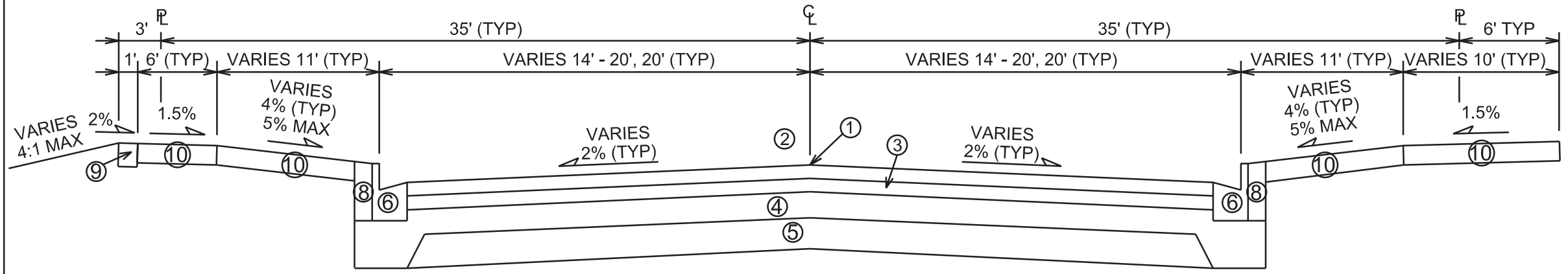
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISION 6/20/19 AJZ
- Whitney Way typical

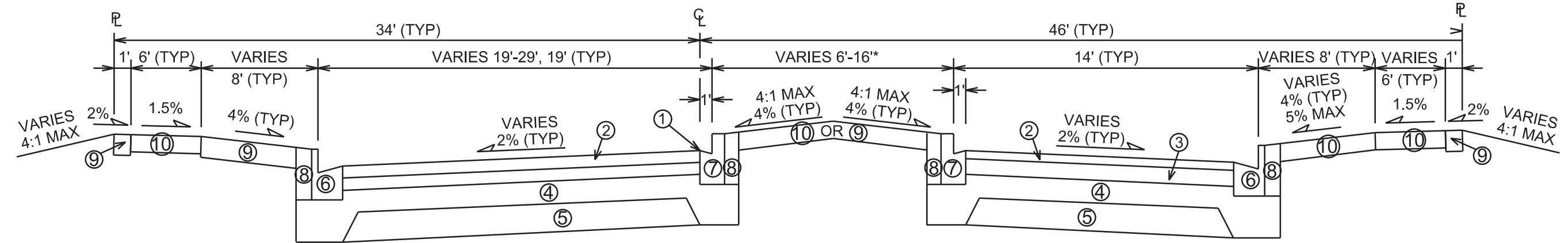
DETAILS
TYPICAL SECTIONS CITY OF MADISON



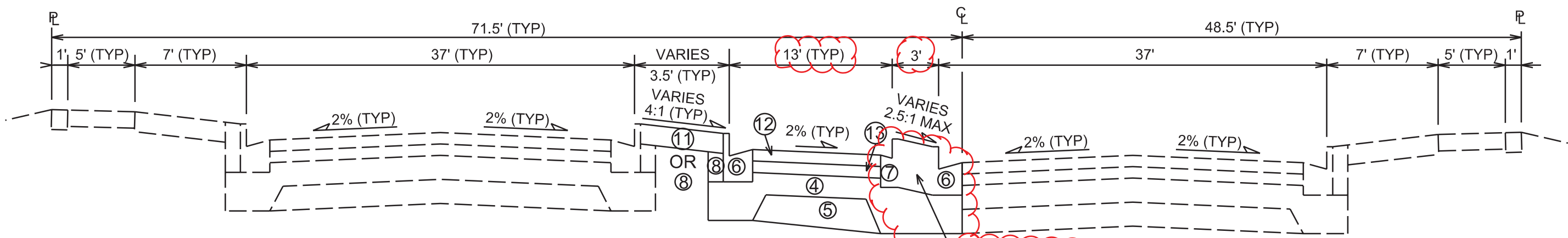
TYPICAL FINISHED SECTION
ENDEAVOR LANE
STA 10+49 TO STA 14+68
STA 15+01 TO STA 15+48

- ① POINT REFERRED TO ON PROFILE
- ② 1 3/4" HMA UPPER LAYER, 4 LT 58-28 S
- ③ 1 3/4" HMA LOWER LAYER, 4 LT 58-28 S
- ④ 6" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER
- ⑦ TYPE 'G' CONCRETE CURB & GUTTER
- ⑧ FILL, INCIDENTAL
- ⑨ 6" TOPSOIL, TERRACE SEED & EROSION MAT
- ⑩ 5" CONCRETE SIDEWALK
- ⑪ 7" CONCRETE SIDEWALK
- ⑫ 2" HMA UPPER LAYER, 4 MT 58-28 S
- ⑬ 3 1/2" HMA LOWER LAYER, 3 MT 58-28 S

GENERAL NOTES:
1. SEE PLAN & PROFILES FOR TOP OF CURB ELEVATIONS.
2. TYPICAL SECTIONS NOT TO SCALE.
*5" CONCRETE SIDEWALK STA 14+68 TO STA 15+01 RT & STA 15+48 TO STA 16+02. 6" TOPSOIL, SEED & EMAT STA 16+02 TO STA 18+80



TYPICAL FINISHED SECTION
ENDEAVOR LANE
STA 14+68 TO STA 15+01
STA 15+48 TO STA 18+80



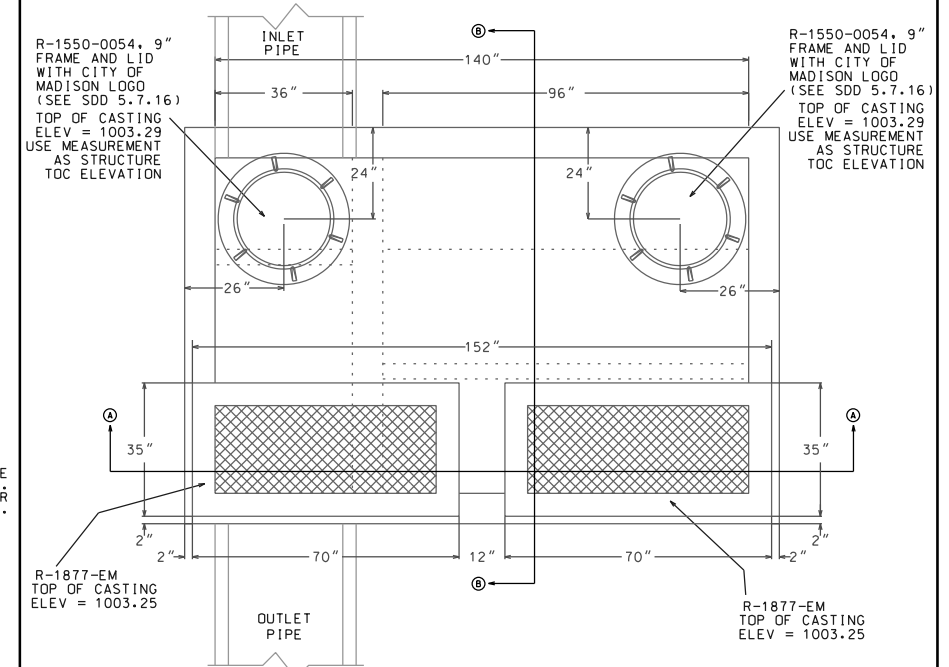
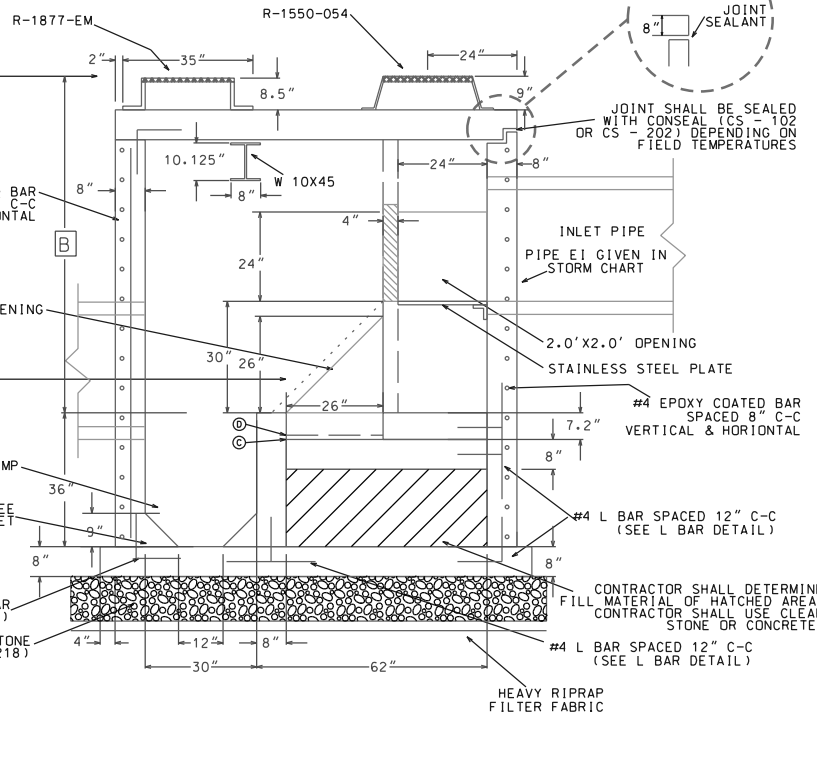
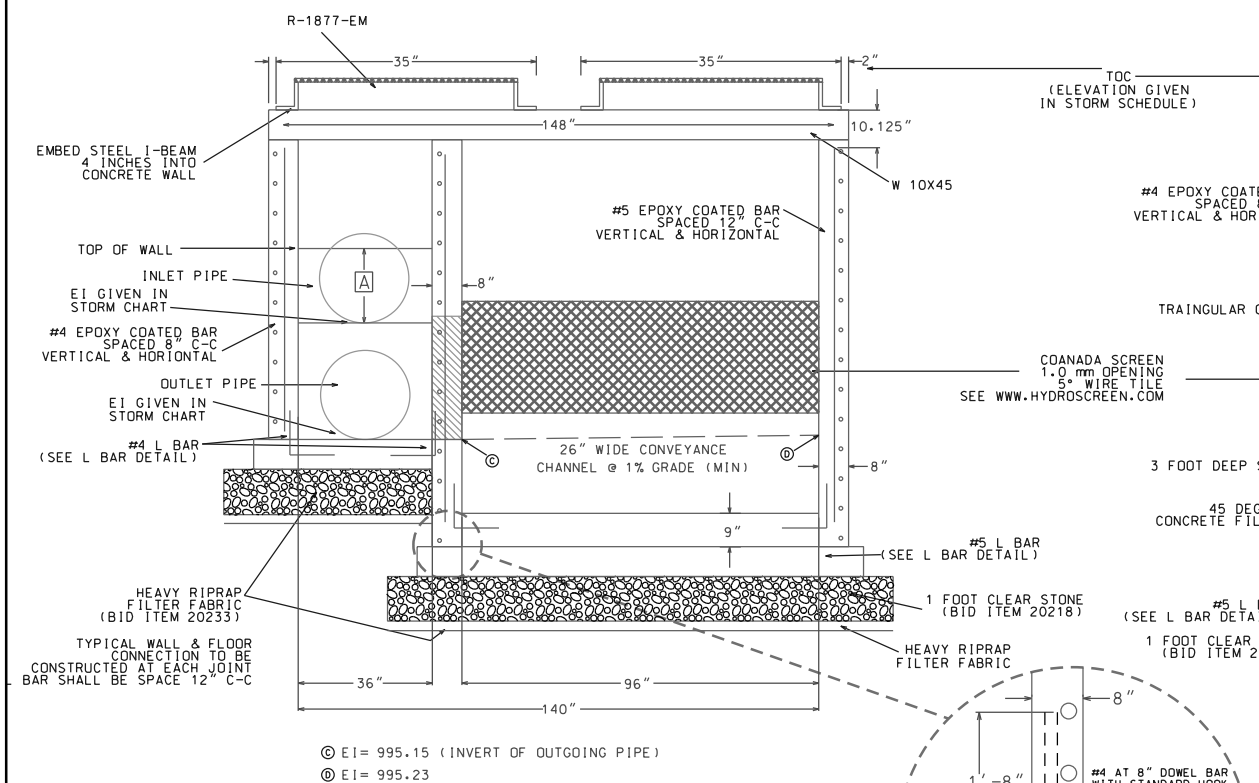
TYPICAL FINISHED SECTION
WHITNEY WAY LEFT TURN LANE
STA 2+81 TO STA 6+50

POUR CURB & GUTTER AND
TERRACE BETWEEN
AS MONOLITHIC

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

SECTION A-A

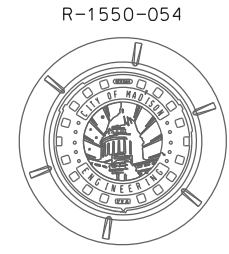
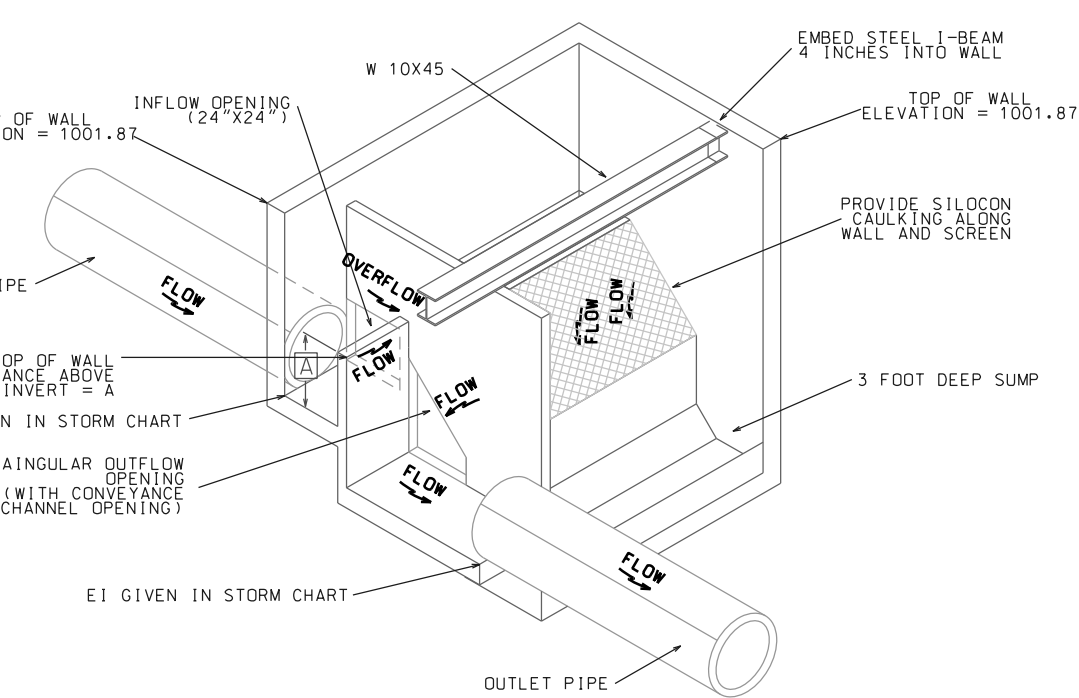
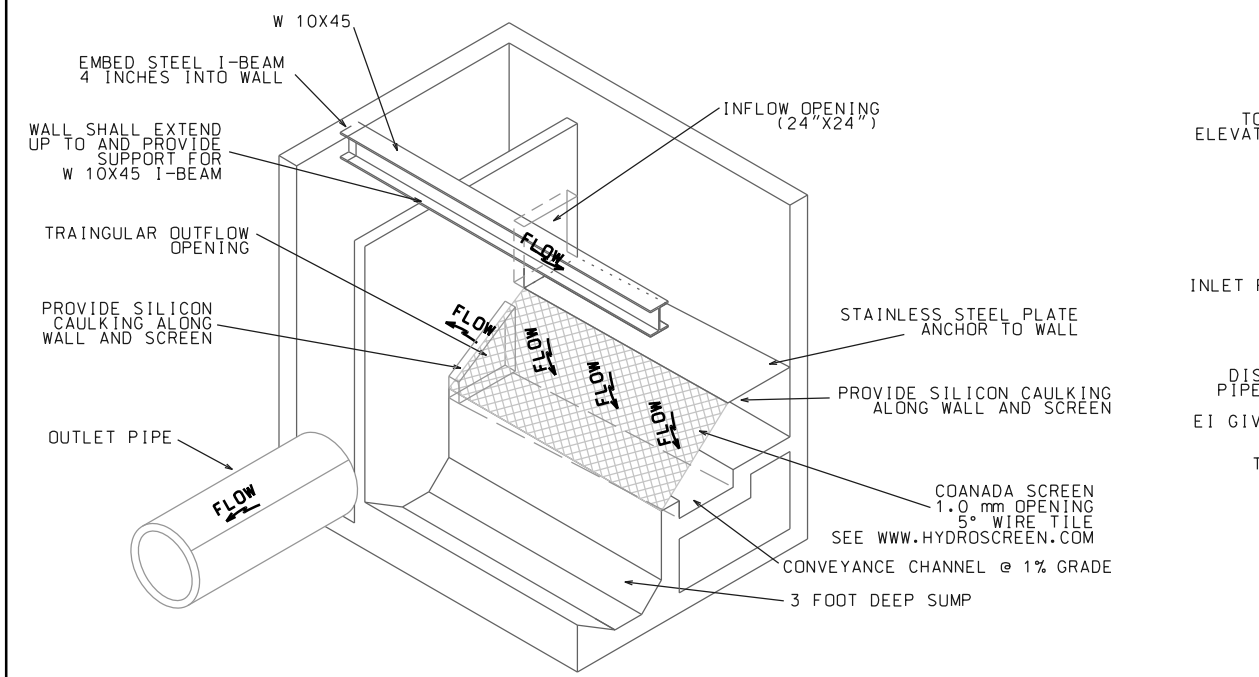
SECTION B-B



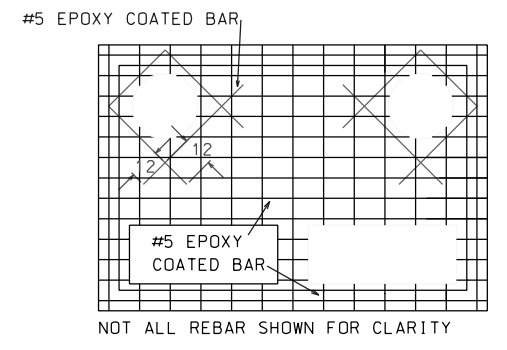
PIPE SIZE	DIMENSION A	DIMENSION B
30"	20"	87" (MIN) 90.48' AS DESIGNED

NE ISOMETRIC VIEW
(SIDEWALLS & ROOF NOT SHOWN)

NW ISOMETRIC VIEW
(SIDEWALLS & ROOF NOT SHOWN)



ROOF REINFORCEMENT



- REBAR REINFORCEMENT NOTES:
1. EPOXY COATED REBARS SHALL BE USED IN ALL CASES
 2. #5 REBARS PLACED 9" ON CENTER EACH WAY WITH 2" CLEAR FROM BOTTOM OF SLAB
 3. ROOF THICKNESS SHALL BE 8" MINIMUM
 4. ALL WALLS ARE 8" THICK
 5. WALL REINFORCEMENT #4 AT 8" ON CENTER EACH WAY
 6. FLOOR REINFORCEMENT #4 AT 12" ON CENTER EACH WAY

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

ISSUED FOR	REV	DATE

SEALS AND SIGNATURES



KEY PLAN

DRAWING TITLE

PLANTER LAYOUT



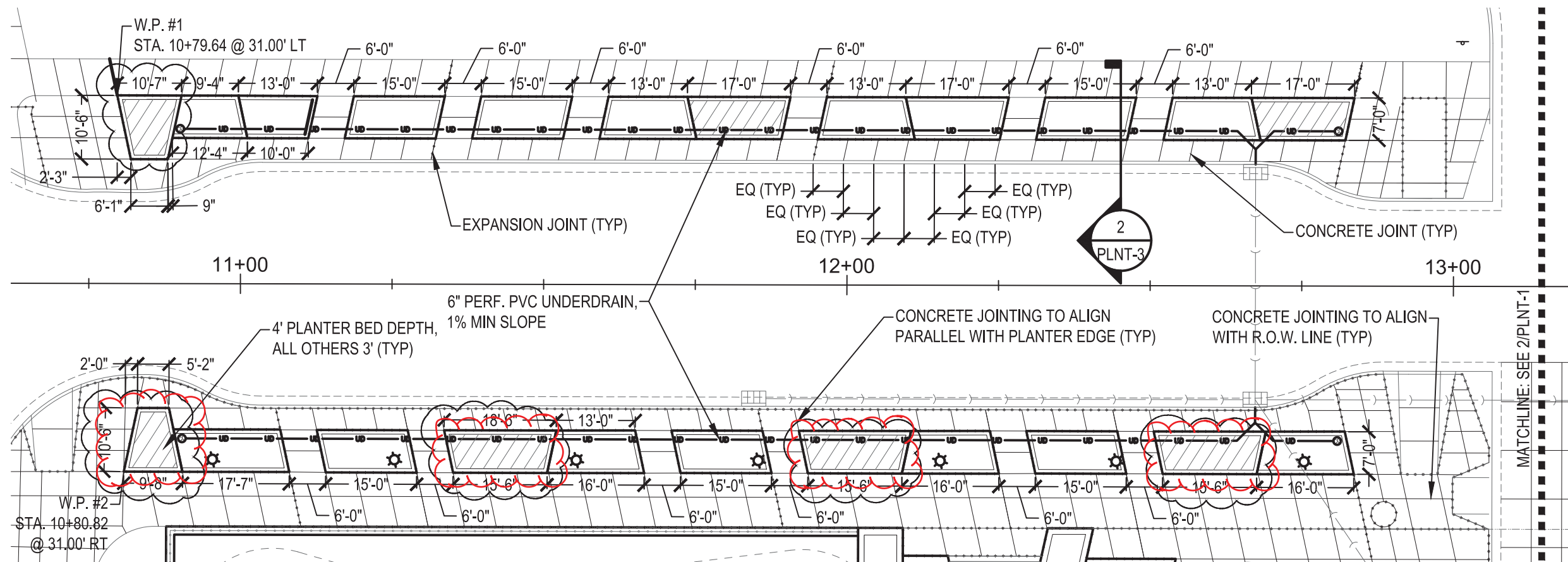
SCALE: 1" = 20'

SCALE 10235.000

PROJECT NUMBER

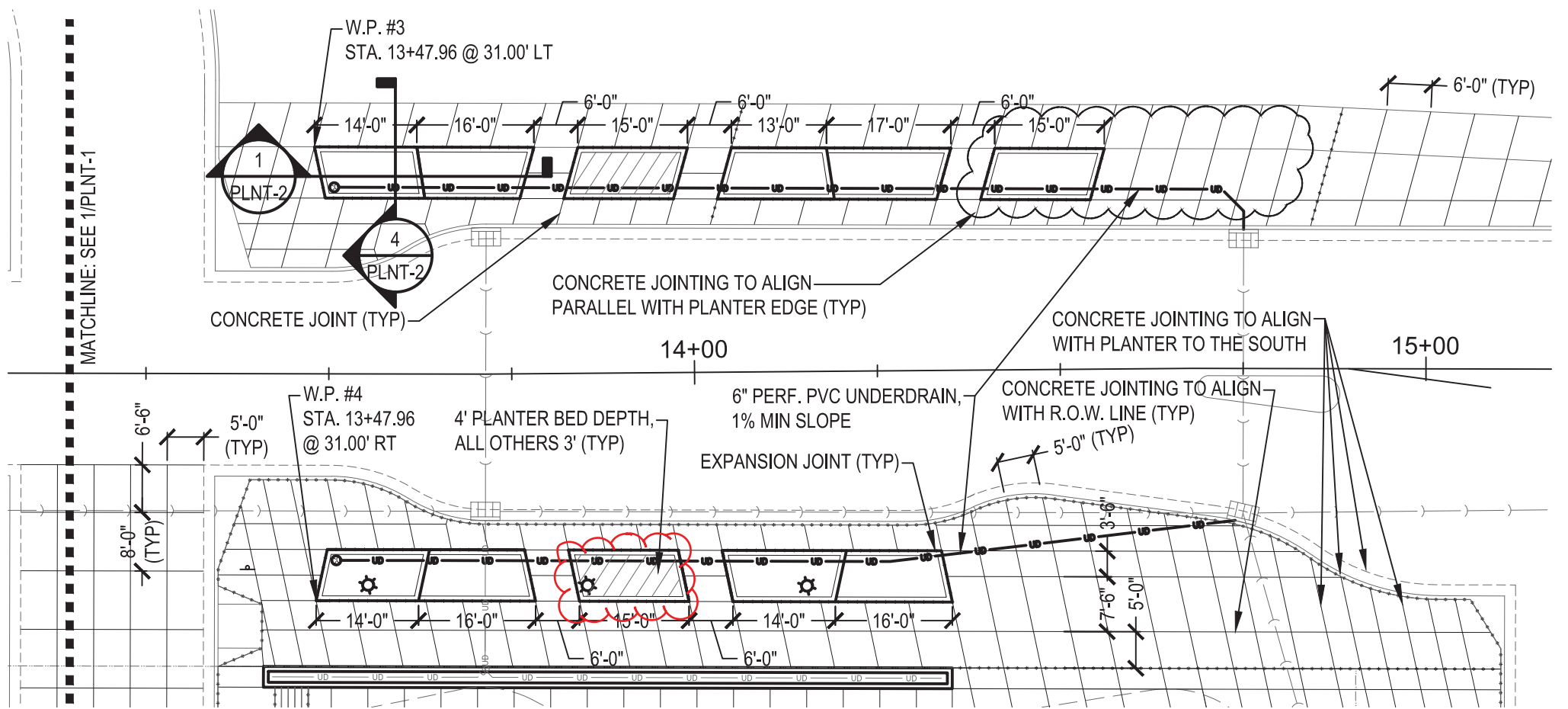
PLNT-1

DRAWING NUMBER



1 SITE PLAN ENLARGEMENT, WEST

SCALE: 1" = 20'-0"



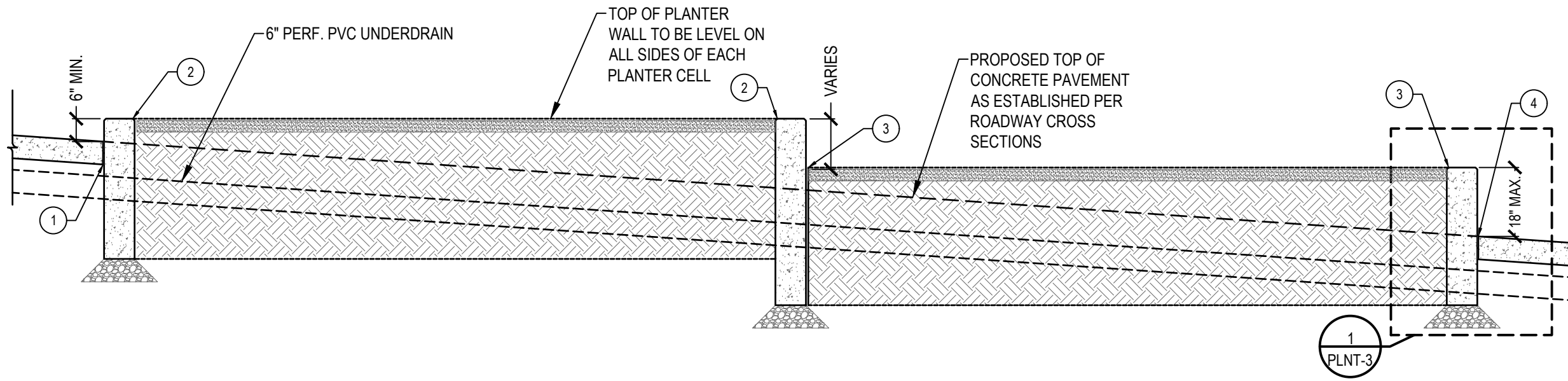
2 SITE PLAN ENLARGEMENT, EAST

SCALE: 1" = 20'-0"

NOTES:

- CONCRETE JOINTING IN PLAZA AND PLANTER AREAS TO BE CONSTRUCTED WITH EQUIDISTANT SPACING.
- REVISION - 5/14/19
SMITHGROUP
- Revised Planter Locations
- Added Concrete Jointing Layout
- REVISION - 9/9/19
SMITHGROUP
- Revised Planter Locations
- REVISION - 12/09/19
SMITHGROUP
- Revised Tree Locations

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1 TYPICAL PLANTER SECTION

SCALE: 3/4" = 1'-0"

ISSUED FOR	REV	DATE

SEALS AND SIGNATURES



KEY PLAN

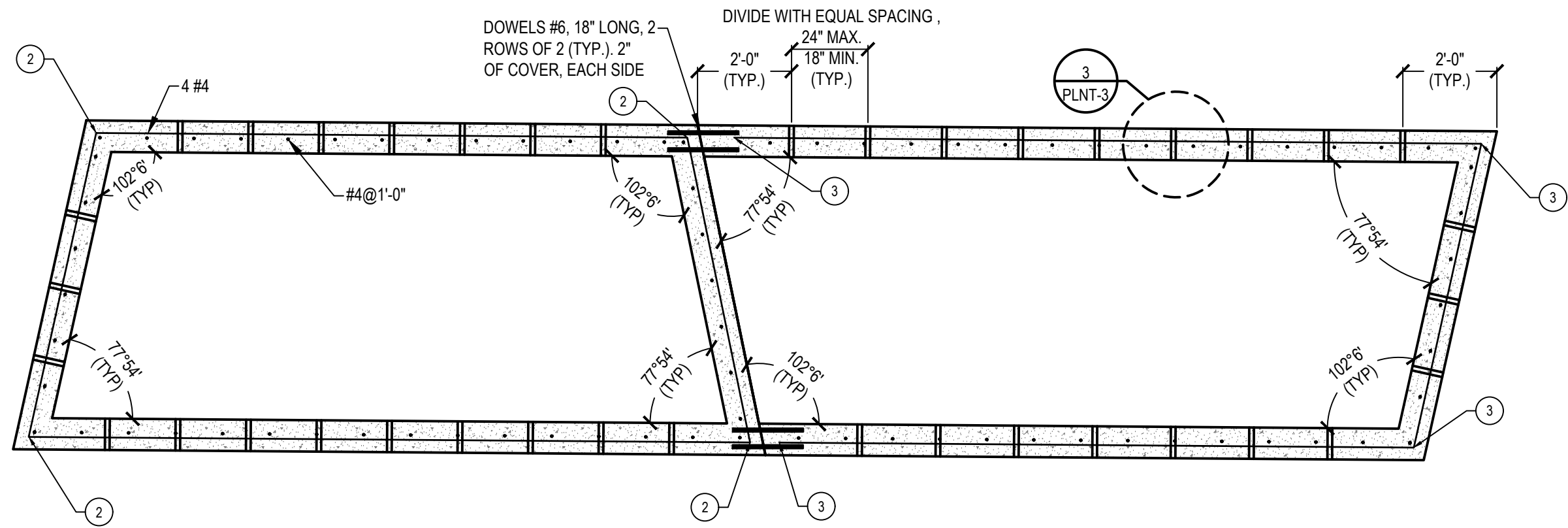
DRAWING TITLE
PLANTER LAYOUT
AND DETAILS

SCALE
10235.000

PROJECT NUMBER

PLNT-2

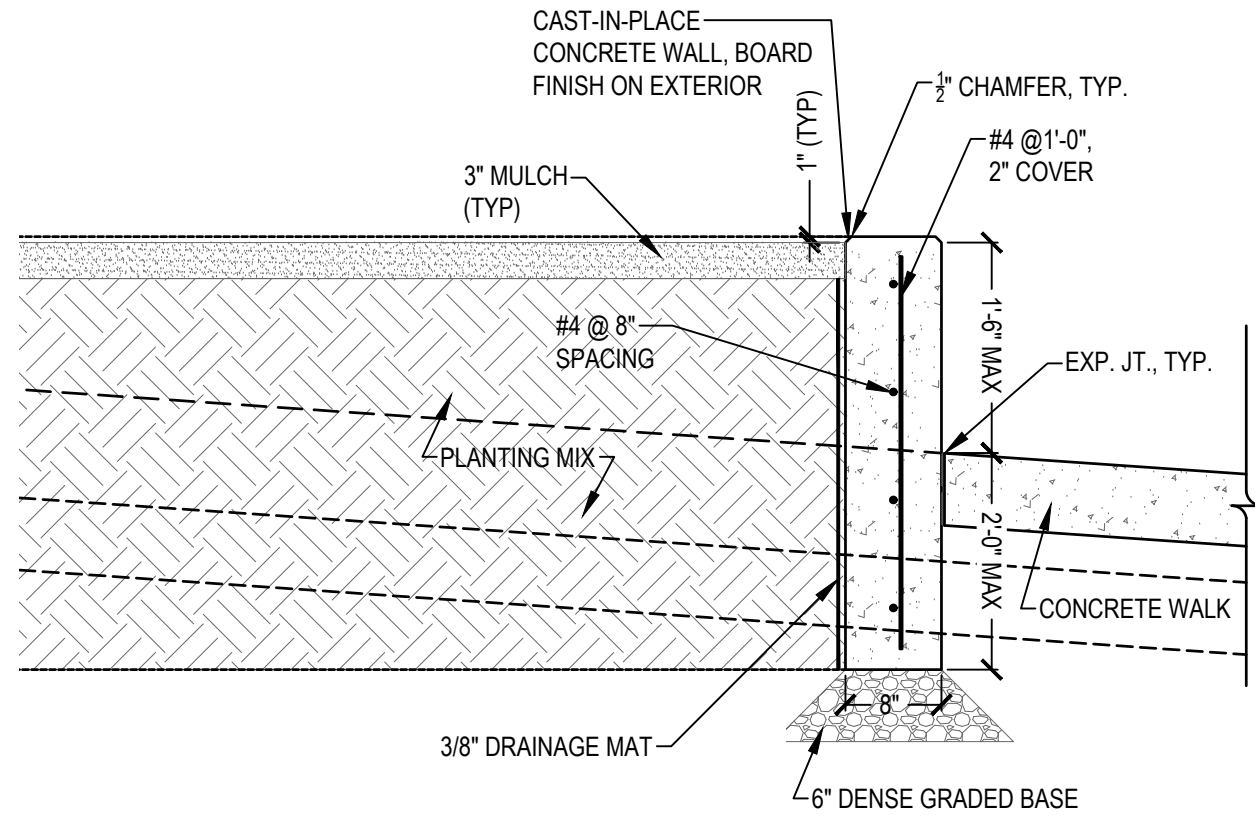
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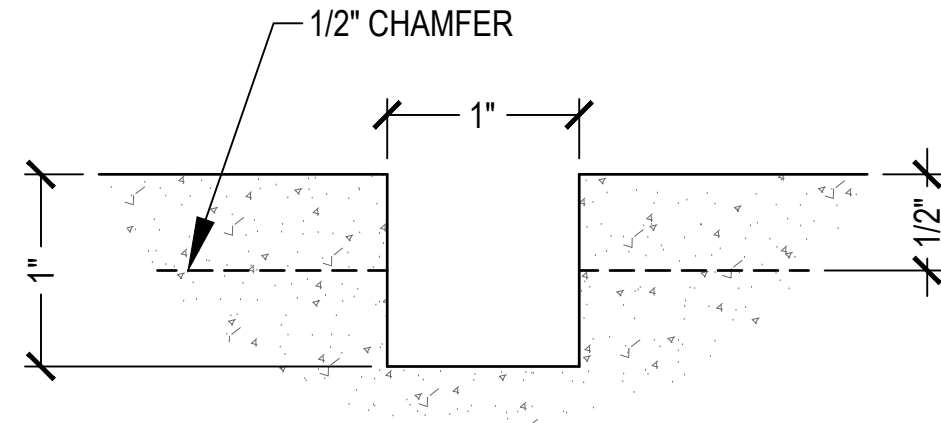
2 TYPICAL PLANTER LAYOUT & REINFORCEMENT PLAN

SCALE: 3/4" = 1'-0"

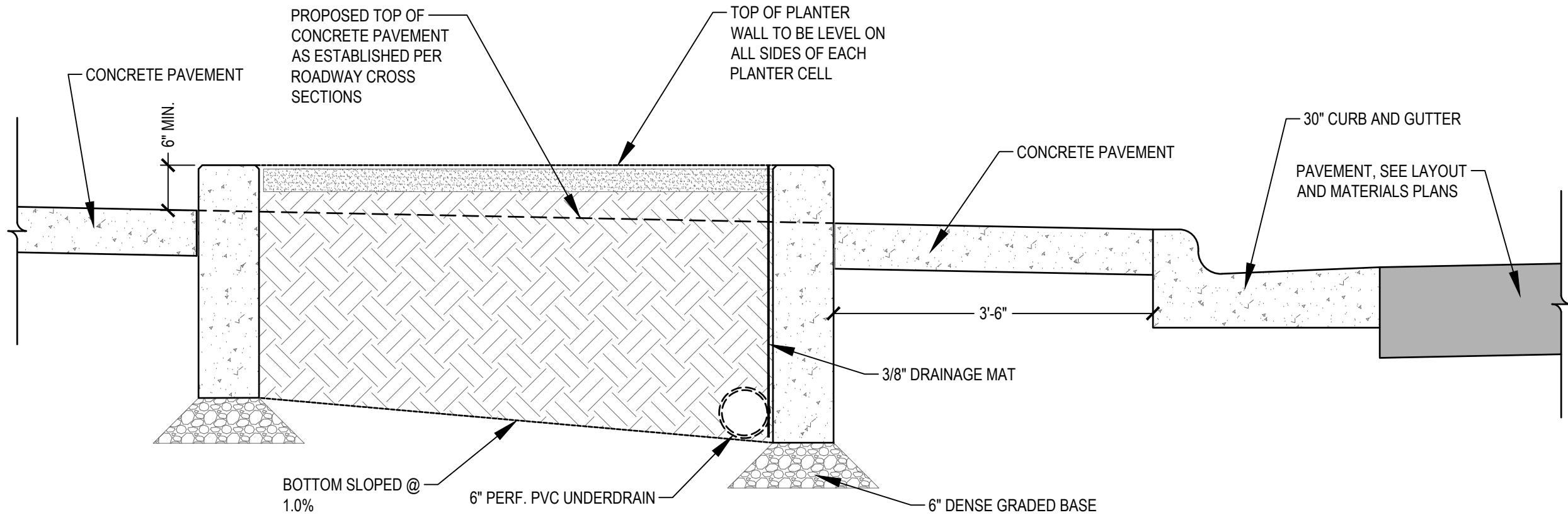
FILE: P:\10235.000\CAD\Sheet\ENDEAVOR DR PLANTERS\PLNT-3.dwg USER: chorsley DATE: Feb, 19, 2019 TIME: 12:54 pm



1 TYPICAL PLANTER ENLARGEMENT SCALE: 1-1/2"=1'-0"



3 RECESSED CHAMFER DETAIL SCALE: 1-1/2"



2 TYPICAL PLANTER CROSS SECTION SCALE: 1-1/2"=1'-0"

ISSUED FOR	REV	DATE

SEALS AND SIGNATURES

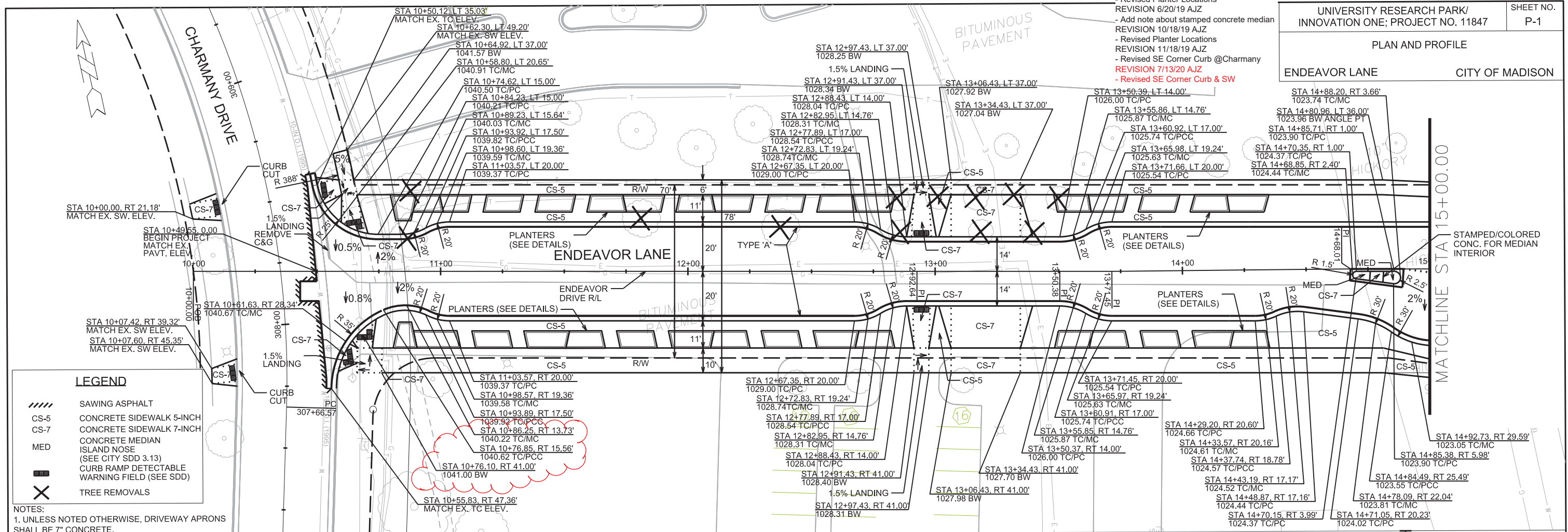
KEY PLAN

DRAWING TITLE
PLANTER LAYOUT
AND DETAILS

SCALE 10235.000
PROJECT NUMBER

DRAWING NUMBER
PLNT-3

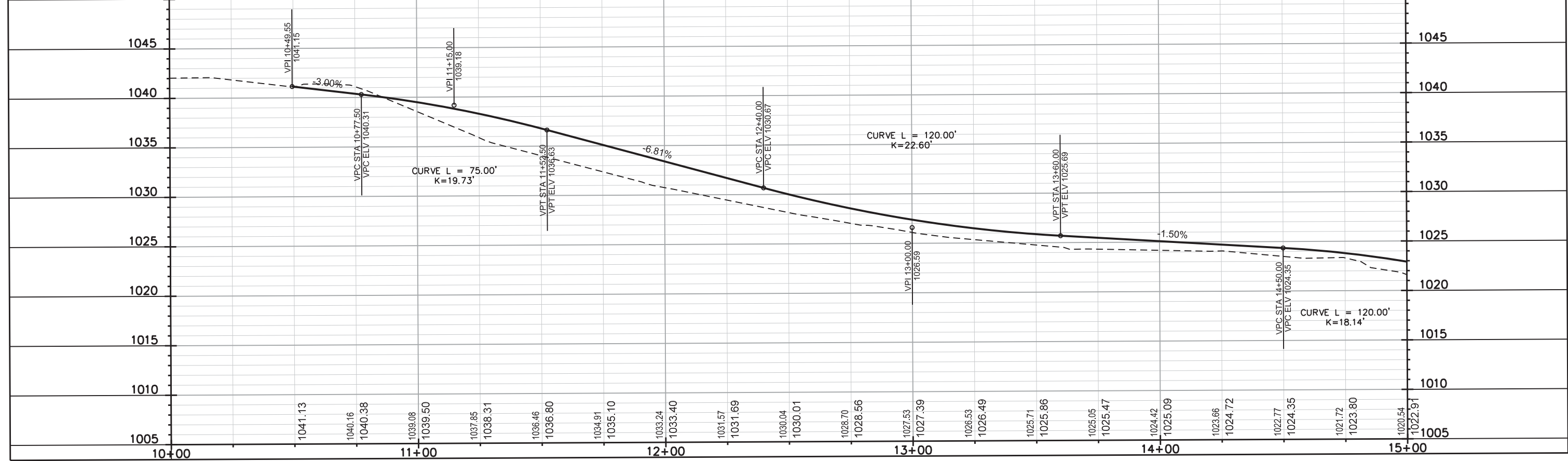
REVISION 4/19/19 AJZ
- Revised Planter Locations
REVISION 6/20/19 AJZ
- Add note about stamped concrete median
REVISION 10/18/19 AJZ
- Revised Planter Locations
REVISION 11/18/19 AJZ
- Revised SE Corner Curb @Charmany
REVISION 7/13/20 AJZ
- Revised SE Corner Curb & SW



LEGEND

- SAWING ASPHALT
- CONCRETE SIDEWALK 5-INCH
- CONCRETE SIDEWALK 7-INCH
- CONCRETE MEDIAN ISLAND NOSE (SEE CITY SDD 3.13)
- CURB RAMP DETECTABLE WARNING FIELD (SEE SDD)
- TREE REMOVALS

NOTES:
1. UNLESS NOTED OTHERWISE, DRIVEWAY APRONS SHALL BE 7" CONCRETE.

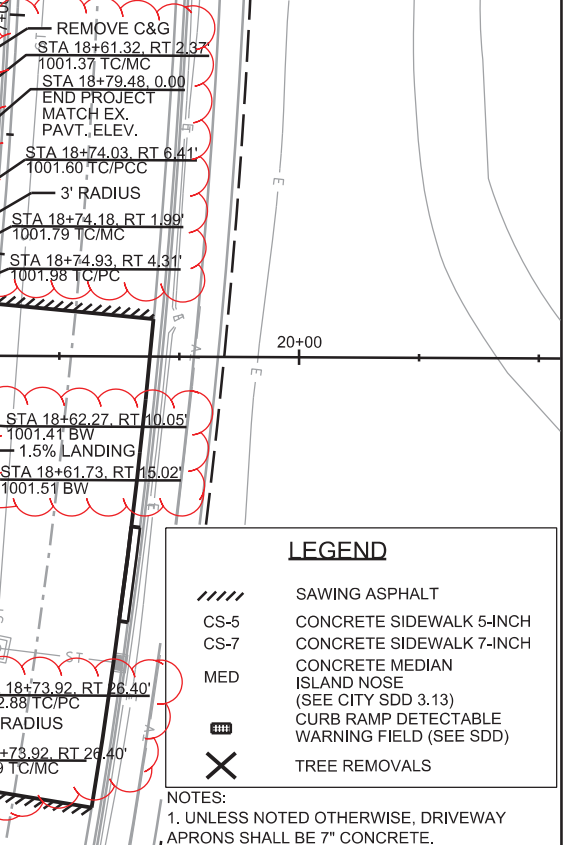
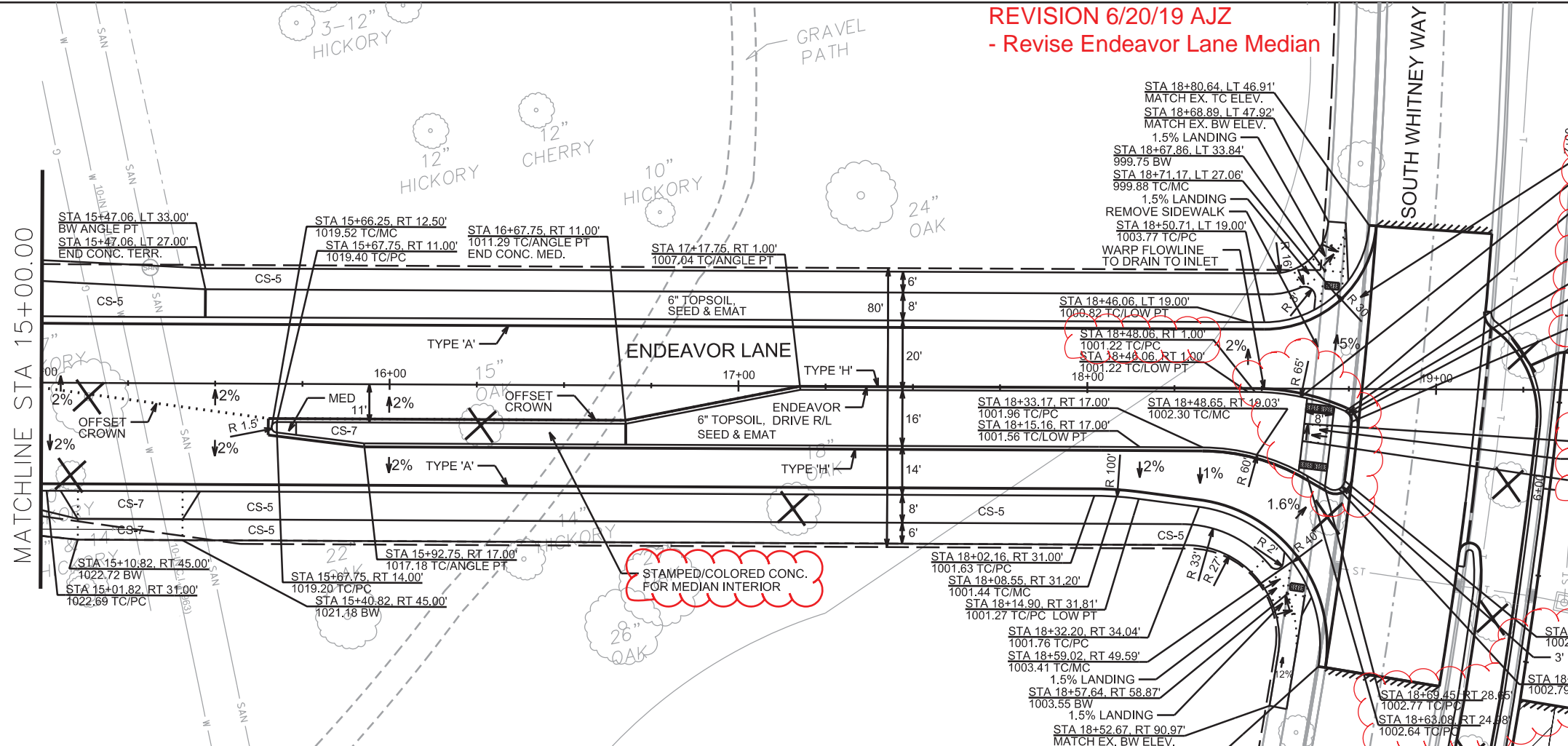


PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISION 6/20/19 AJZ
- Revise Endeavor Lane Median

PLAN AND PROFILE

ENDEAVOR LANE CITY OF MADISON



LEGEND

- SAWING ASPHALT
- CS-5 CONCRETE SIDEWALK 5-INCH
- CS-7 CONCRETE SIDEWALK 7-INCH
- MED CONCRETE MEDIAN ISLAND NOSE (SEE CITY SDD 3.13)
- CURB RAMP DETECTABLE
- WARNING FIELD (SEE SDD)
- TREE REMOVALS

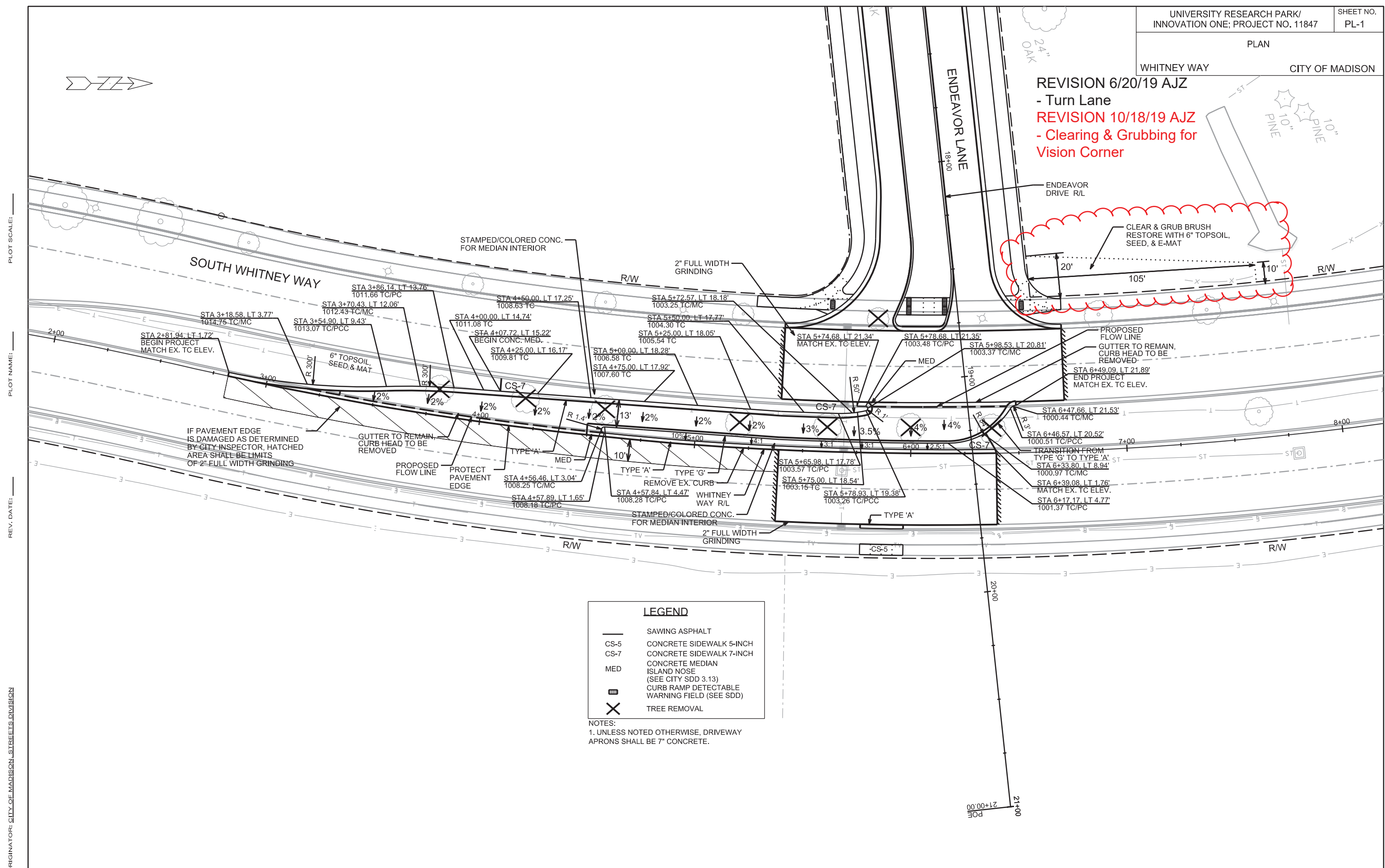
NOTES:
 1. UNLESS NOTED OTHERWISE, DRIVEWAY APRONS SHALL BE 7" CONCRETE.

PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISION 6/20/19 AJZ
- Turn Lane
REVISION 10/18/19 AJZ
- Clearing & Grubbing for
Vision Corner



LEGEND

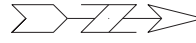
- SAWING ASPHALT
- CS-5 CONCRETE SIDEWALK 5-INCH
- CS-7 CONCRETE SIDEWALK 7-INCH
- MED CONCRETE MEDIAN ISLAND NOSE (SEE CITY SDD 3.13)
- ▨ CURB RAMP DETECTABLE WARNING FIELD (SEE SDD)
- ✕ TREE REMOVAL

NOTES:
1. UNLESS NOTED OTHERWISE, DRIVEWAY APRONS SHALL BE 7" CONCRETE.

PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

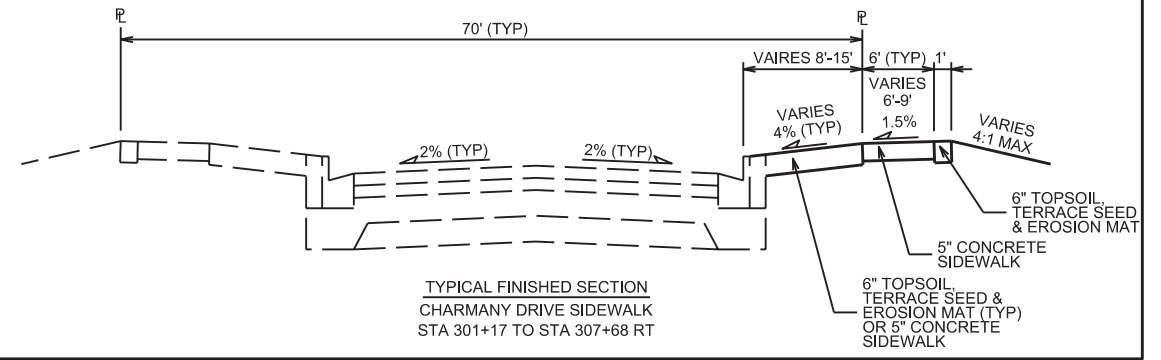
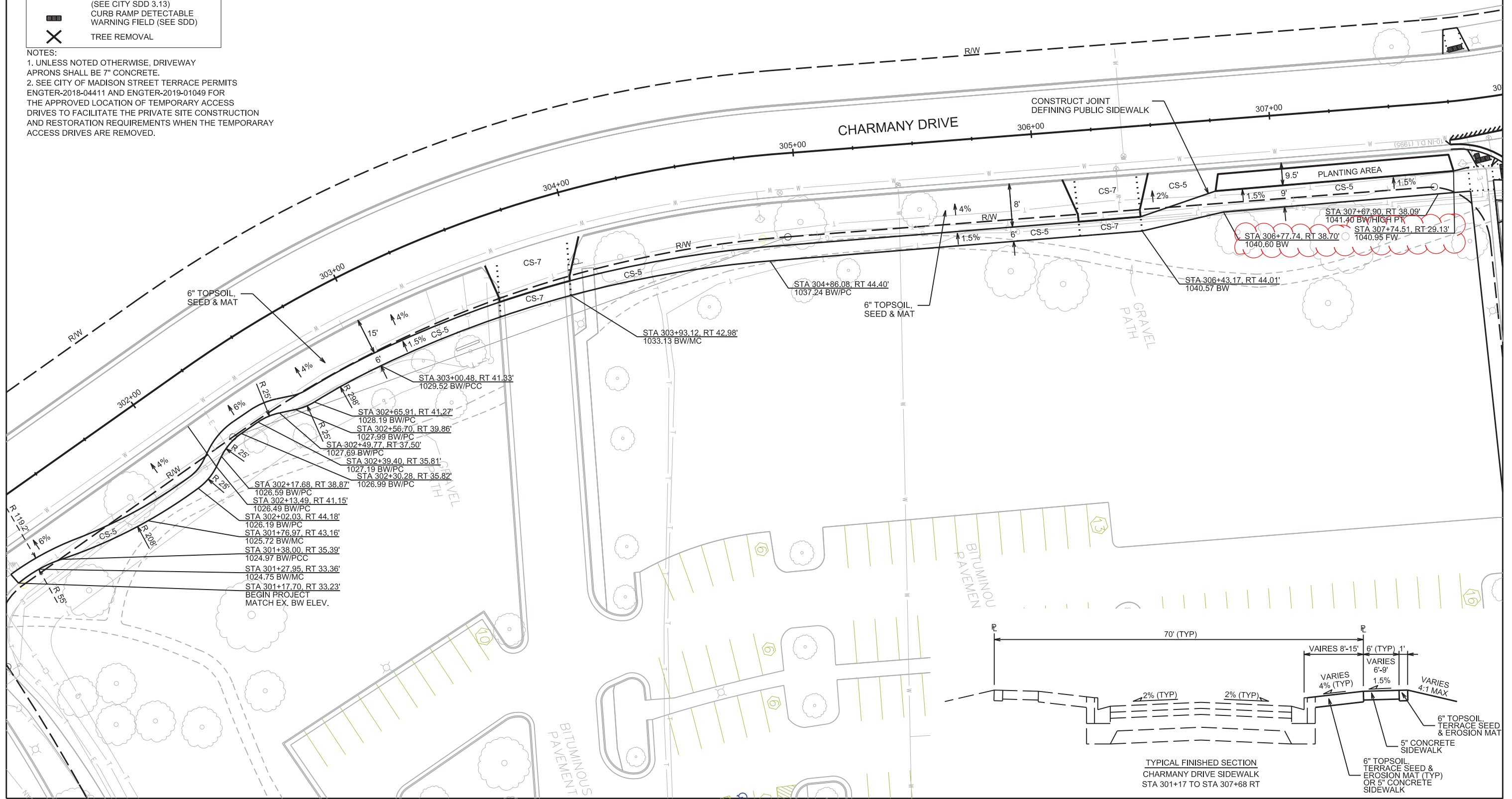
REVISION 4/5/19 AJZ
 - Added Plan Note
 REVISION 6/22/20 AJZ
 - Revised Sidewalk
 Around Tree
 REVISION 7/13/20 AJZ
 - Revised Grades Near
 Planting Area

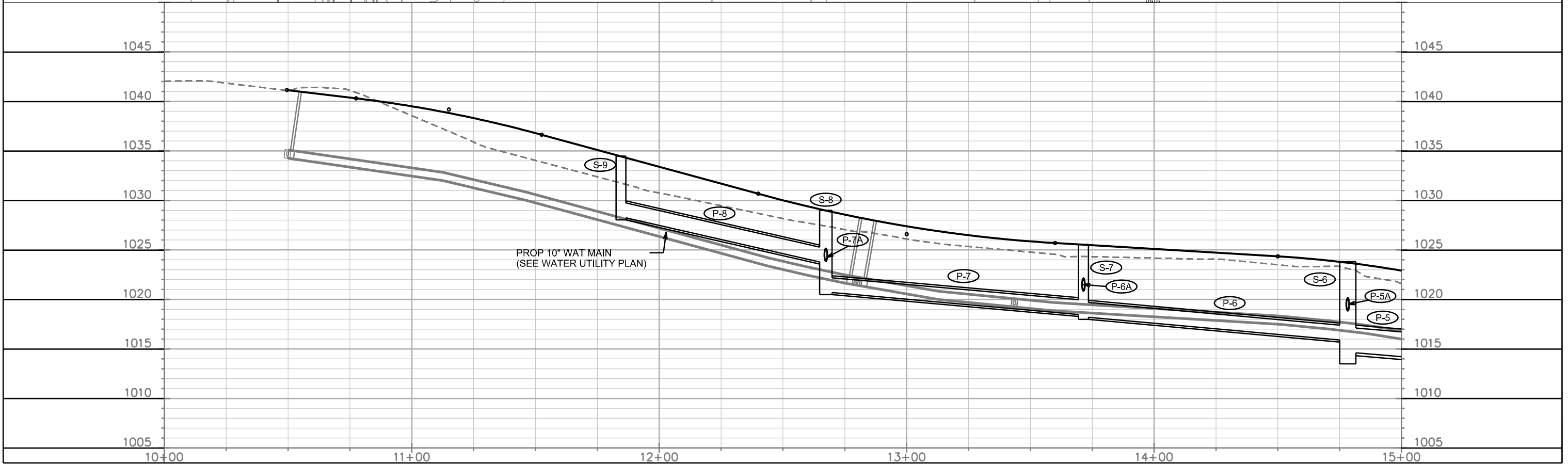
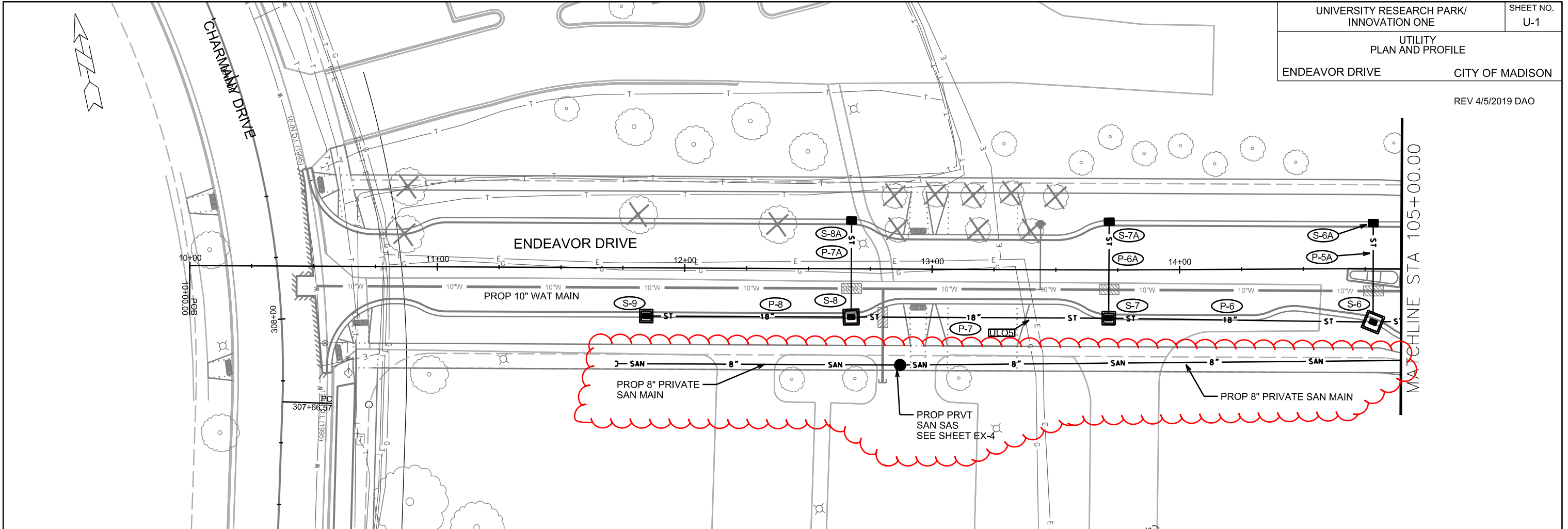


LEGEND	
—	SAWING ASPHALT
CS-5	CONCRETE SIDEWALK 5-INCH
CS-7	CONCRETE SIDEWALK 7-INCH
MED	CONCRETE MEDIAN ISLAND NOSE (SEE CITY SDD 3.13)
■	CURB RAMP DETECTABLE WARNING FIELD (SEE SDD)
X	TREE REMOVAL

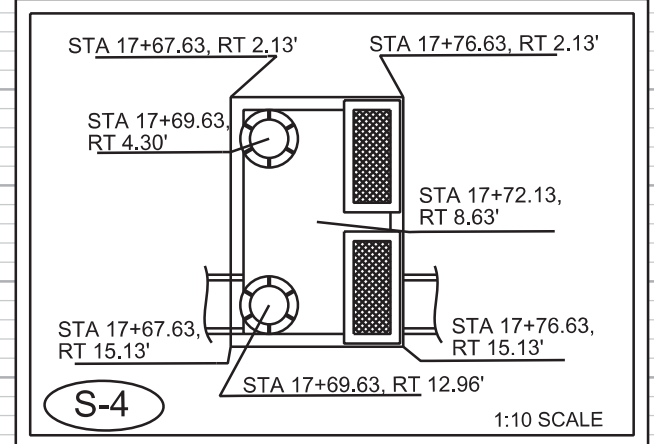
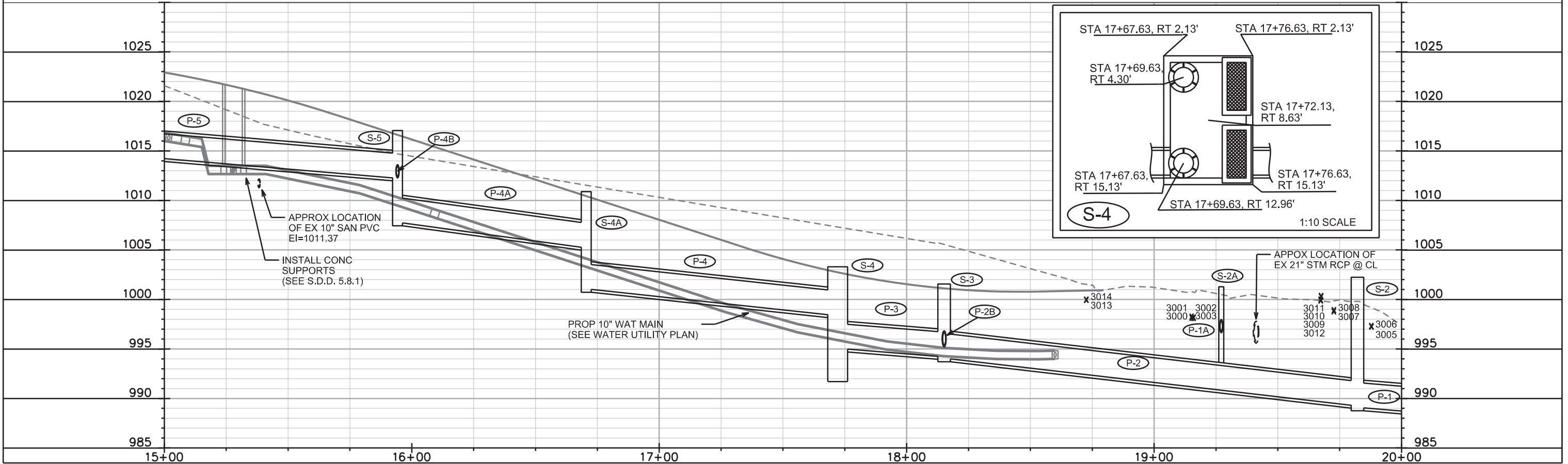
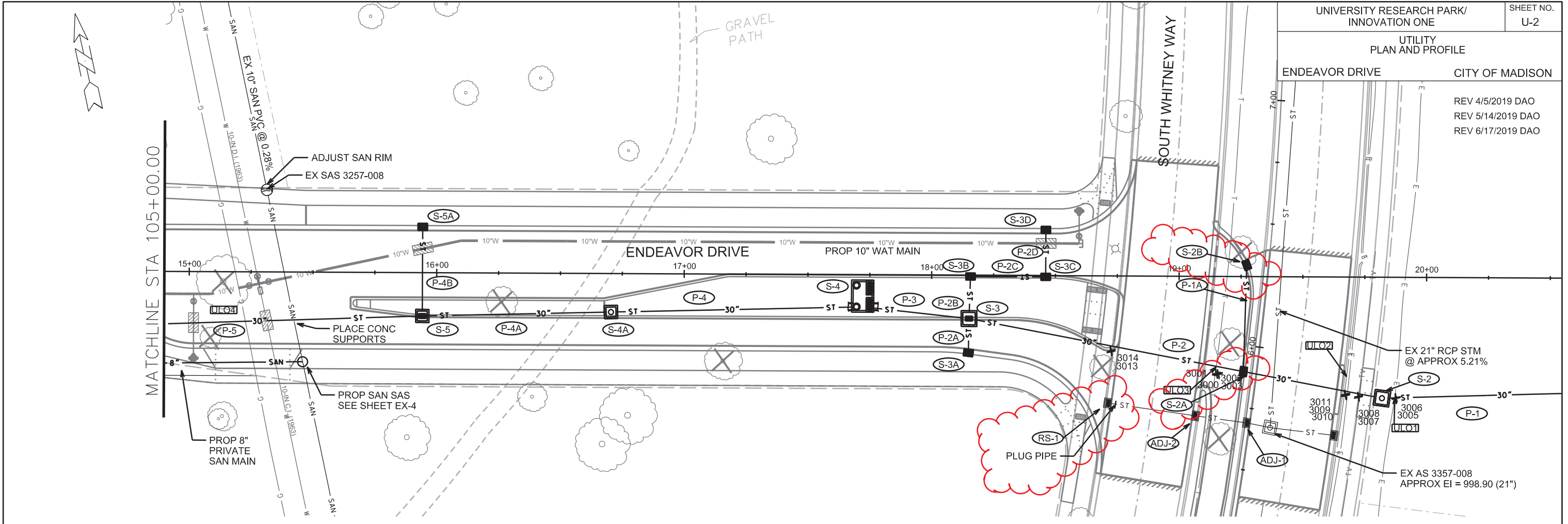
NOTES:
 1. UNLESS NOTED OTHERWISE, DRIVEWAY APRONS SHALL BE 7" CONCRETE.
 2. SEE CITY OF MADISON STREET TERRACE PERMITS ENGTER-2018-04411 AND ENGTER-2019-01049 FOR THE APPROVED LOCATION OF TEMPORARY ACCESS DRIVES TO FACILITATE THE PRIVATE SITE CONSTRUCTION AND RESTORATION REQUIREMENTS WHEN THE TEMPORARY ACCESS DRIVES ARE REMOVED.

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





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

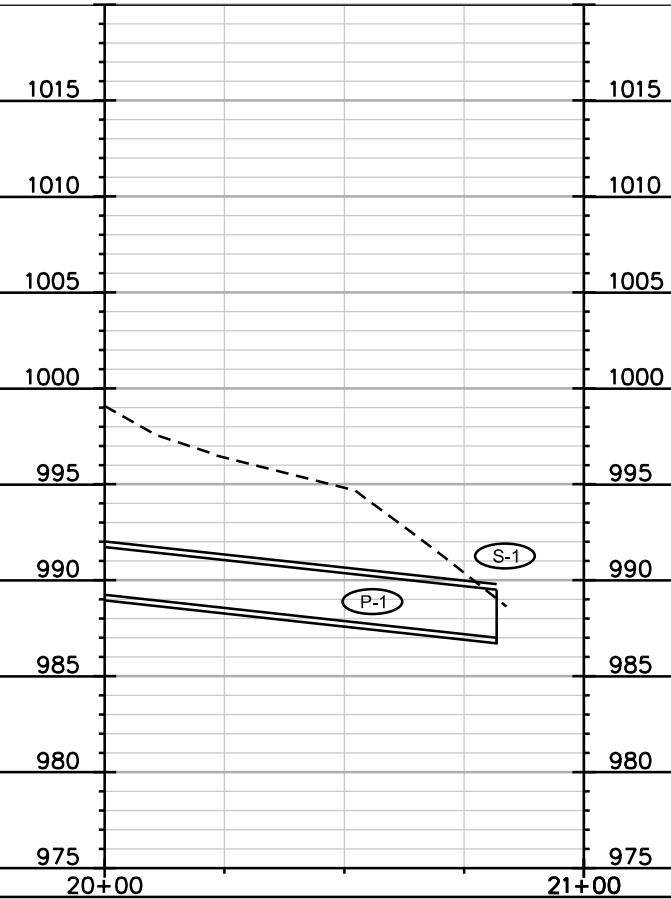
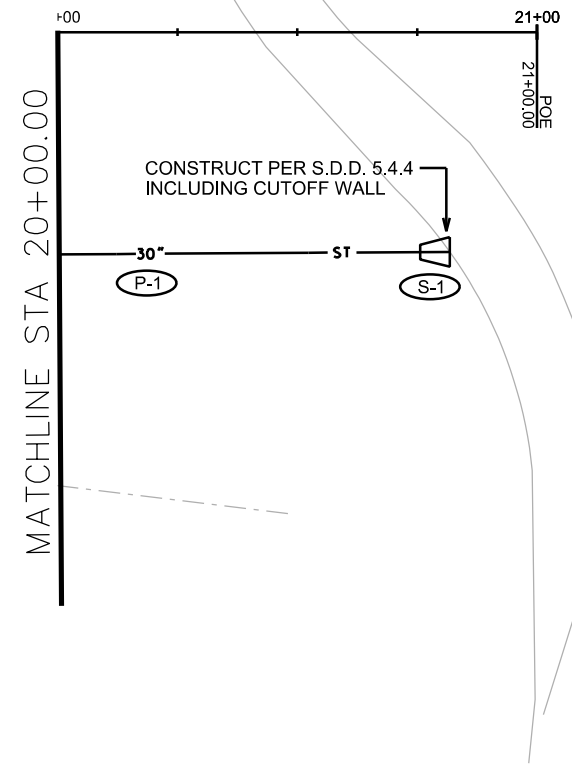


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER SCHEDULE

* REV 5/14/2019 DAO
 ** REV 6/17/2019 DAO

UNIVERSITY RESEARCH PARK/ INNOVATION ONE	SHEET NO. U-4
STORM SEWER SCHEDULE	
PROJ #11847	CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
ENDEAVOR LN							
S-1	20+81.80	RT-45.79	30" AE W/ GATE	-	987.00	-	
* S-2	19+82.17	RT-48.88	5X5 SAS	1001.38	989.16	12.22	W/1550-0054
** S-2A	19+26.65	RT-38.45	SADDLED H TYPE 2	1001.28	993.60	7.68	W/3067-7004-V; (5)
** S-2B	19+27.76	RT-4.86	H INLET	1000.91	997.41	3.50	W/3067-7004-V; (5)
** S-3	18+15.16	RT-17.00	5X5 SAS	1001.56	994.15	7.41	LP; W/3067-7004-VB; (5)
S-3A	18+14.96	RT-31.32	H INLET	1001.27	996.27	5.00	LP; W/3067-7004-VB
** S-3B	18+15.69	RT-1.00	H INLET	1001.55	996.63	4.92	W/3067-7004-V; (5)
** S-3C	18+46.06	RT-1.00	H INLET	1001.22	997.15	4.07	LP; W/3067-7004-VB; (5)
S-3D	18+46.06	LT-18.50	H INLET	1000.82	997.42	3.40	LP; W/3067-7004-VB
S-4	17+72.13	RT-8.63	SC TR DEVICE	1003.29	995.15	8.14	FP; (1)
S-4A	16+70.47	RT-15.56	4X4 SAS	1010.88	1001.12	9.76	FP; W/1550-0054
** S-5	15+94.25	RT-17.00	4X4 SAS	1017.05	1007.87	9.18	FP; W/3067-7004-V; (5)
S-5A	15+94.25	LT-18.50	H INLET	1016.65	1013.15	3.50	W/3067-7004-V
S-6	14+78.27	RT-21.58	6X6 SAS	1023.81	1013.50	10.31	W/3067-7004-V; (2)
S-6A	14+78.18	LT-18.50	H INLET	1023.75	1020.25	3.50	W/3067-7004-V
S-7	13+71.45	RT-19.50	4X4 SAS	1025.54	1018.29	7.25	W/3067-7004-V
S-7A	13+71.66	LT-19.50	H INLET	1025.54	1022.04	3.50	W/3067-7004-V
S-8	12+67.35	RT-19.50	5X5 SAS	1029.00	1020.80	8.20	W/3067-7004-V; (3)
S-8A	12+67.35	LT-19.50	H INLET	1029.00	1025.50	3.50	W/3067-7004-V
S-9	11+84.54	RT-19.50	4X4 SAS	1034.47	1028.47	6.00	W/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
ENDEAVOR LN										
* P-1	S-1	S-2	987.00	989.16	100	97	2.23%	30"	RCP	
P-1A	S-2A	S-2B	996.81	997.41	43	40	1.49%	12"	RCP	NCM
* P-2	S-2	S-3	989.16	994.15	170	165	3.02%	30"	RCP	
P-2A	S-3	S-3A	995.65	996.27	14	10	6.02%	12"	RCP	
P-2B	S-3	S-3B	995.40	996.63	17	14	9.11%	15"	RCP	
P-2C	S-3B	S-3C	996.88	997.15	29	27	0.99%	12"	RCP	
P-2D	S-3C	S-3D	997.25	997.42	18	17	1.00%	12"	RCP	
P-3	S-3	S-4	994.15	995.15	43	37	2.72%	30"	RCP	
P-4	S-4	S-4A	998.25	1001.12	102	96	2.99%	30"	RCP	
P-4A	S-4A	S-5	1005.13	1007.87	76	72	3.81%	30"	RCP	NCM
P-4B	S-5	S-5A	1012.44	1013.15	36	33	2.15%	12"	RCP	NCM
P-5	S-5	S-6	1012.19	1014.75	116	111	2.31%	30"	RCP	NCM
P-5A	S-6	S-6A	1019.00	1020.25	40	36	3.49%	12"	RCP	NCM
P-6	S-6	S-7	1015.75	1018.29	107	102	2.50%	18"	RCP	
P-6A	S-7	S-7A	1021.00	1022.04	39	36	2.89%	12"	RCP	NCM
P-7	S-7	S-8	1018.39	1020.80	104	100	2.42%	18"	RCP	
P-7A	S-8	S-8A	1024.00	1025.50	39	36	4.23%	12"	RCP	NCM
P-8	S-8	S-9	1023.50	1028.47	83	78	6.35%	18"	RCP	

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
SEE 3005, 3006				
* ULO1	19+87.66	RT-46.40	ELEC	SEE 3007,3008, 3009, 3010, 3011
* ULO2	19+68.29	RT-46.30	ELEC/TEL	SEE 3000, 3001, 3002, 3003
* ULO3	19+15.14	RT-36.25	TEL	
ULO4	15+22.76	RT-20.01	GAS	
ULO5	13+39.45	RT-19.50	GAS/ELEC	
* 3000	19+15.19	RT-39.54	FIBER	TOP @ 998.27
* 3001	19+15.29	RT-39.11	FIBER	TOP @ 998.13
* 3002	19+16.05	RT-39.25	FIBER	TOP @ 998.17
* 3003	19+15.97	RT-39.68	FIBER	TOP @ 998.14
* 3005	19+87.82	RT-48.98	POWER	TOP @ 997.32
* 3006	1987+91.00	RT-48.61	POWER	TOP @ 997.24
* 3007	19+72.66	RT-48.59	FIBER	TOP @ 998.79
* 3008	19+72.76	RT-48.11	FIBER	TOP @ 998.92
* 3009	19+67.57	RT-47.38	POWER	TOP @ 1000.27
* 3010	19+67.54	RT-47.85	POWER	TOP @ 1000.35
* 3011	19+67.40	RT-47.33	POWER	TOP @ 999.88
* 3012	19+67.39	RT-47.92	POWER	TOP @ 999.98
* 3013	18+72.59	RT-30.70	POWER	TOP @ 999.97
* 3014	18+72.72	RT-30.16	POWER	TOP @ 999.96

ADJUST/REMOVE STORM STRUCTURES

STRUC. NO.	TYPE	STATION	LOCATION (OFFSET)	TOP OF CASTING	PROP TOC	ADJ (FT)	NOTES
S WHITNEY WAY							
ADJ-1	IN 3357-011	5+68.98	LT-1.26	1002.45	1002.44	-0.01	
ADJ-2	IN 3357-010	5+68.88	LT-21.55	1003.69	1003.03	-0.66	
** ADJ-3	IN 3357-009	5+69.00	LT-58.02	1003.27	1003.30	0.03	(4) TO BE REMOVED (RS-1)
** RS-1	IN 3357-009	5+69.00	LT-58.02				PLUG PIPE

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.

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 DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

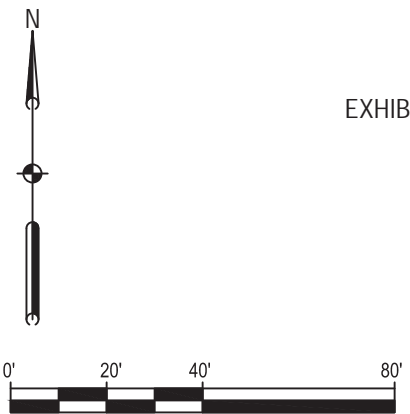
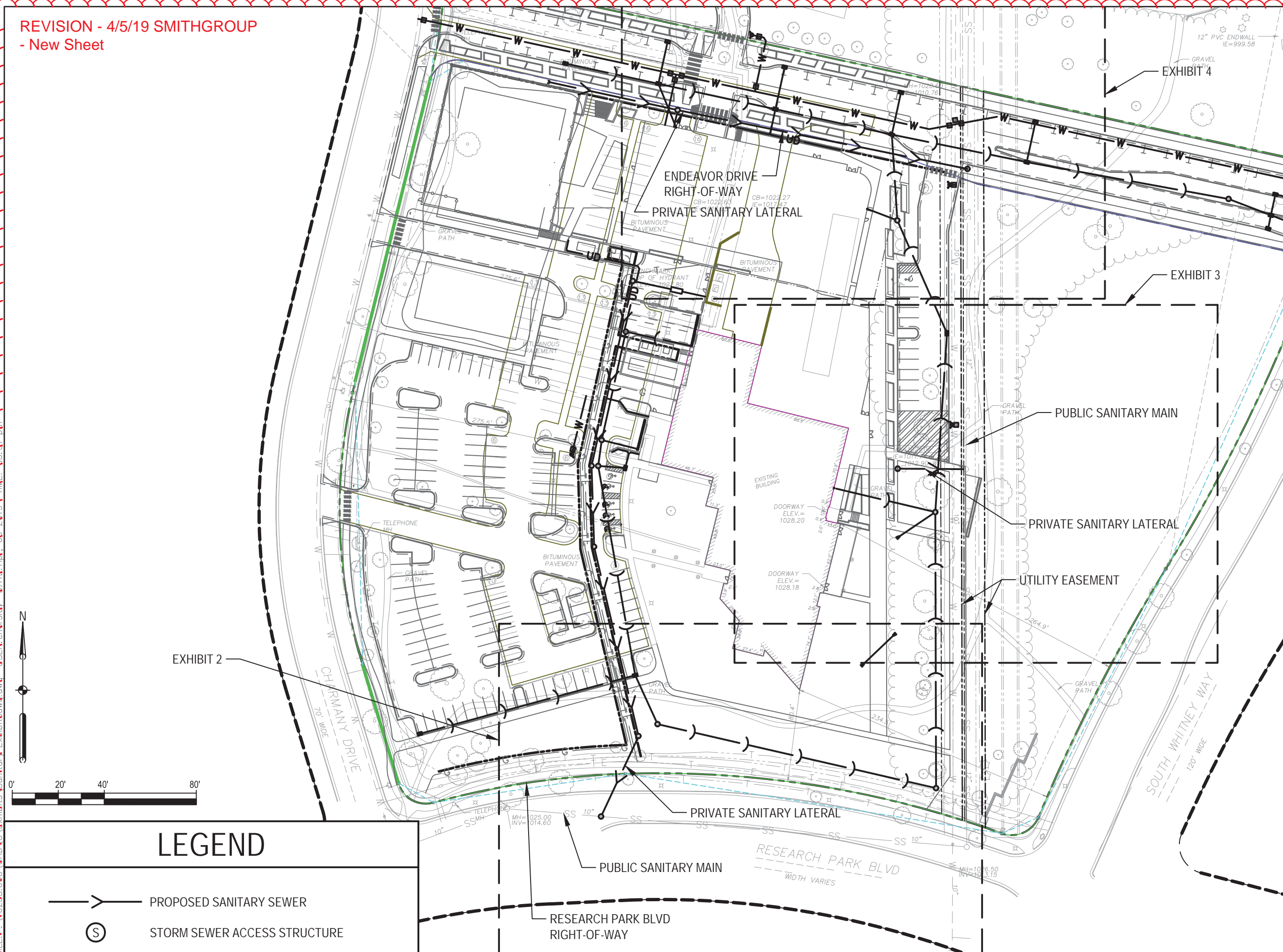
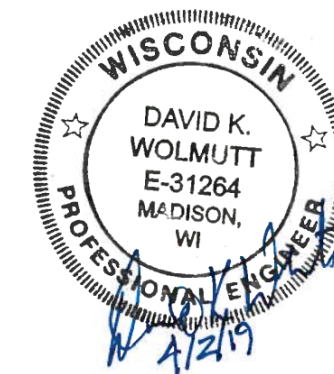
SPECIFIC NOTES

- (1) STA & LOC OF CENTER OF STRUCTURE GIVEN; SEE DETAIL SHEET D-1 SCREEN TREATMENT DEVICE
- (2) PROP PRVT CONNECTION 30" RCP @ EI=1030.50 (S)
- (3) PROP PRVT CONNECTION 18" RCP @ EI=1020.90 (S)
- (4) REPLACE EXISTING CASTING WITH R-3067-7009 FOR MOUNTABLE CURB
- ** (5) STA OFFSET PROVIDED IS AT FACE OF CURB

REVISION - 4/5/19 SMITHGROUP
- New Sheet

SMITHGROUP

44 EAST MIFFLIN STREET
SUITE 500
MADISON, WI 53703
608.251.1177
www.smithgroup.com

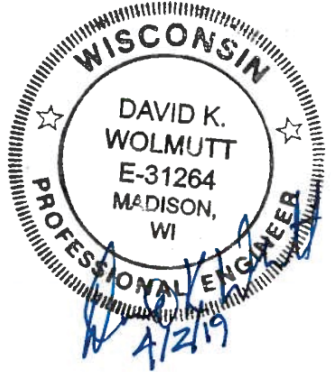


LEGEND	
	PROPOSED SANITARY SEWER
	STORM SEWER ACCESS STRUCTURE

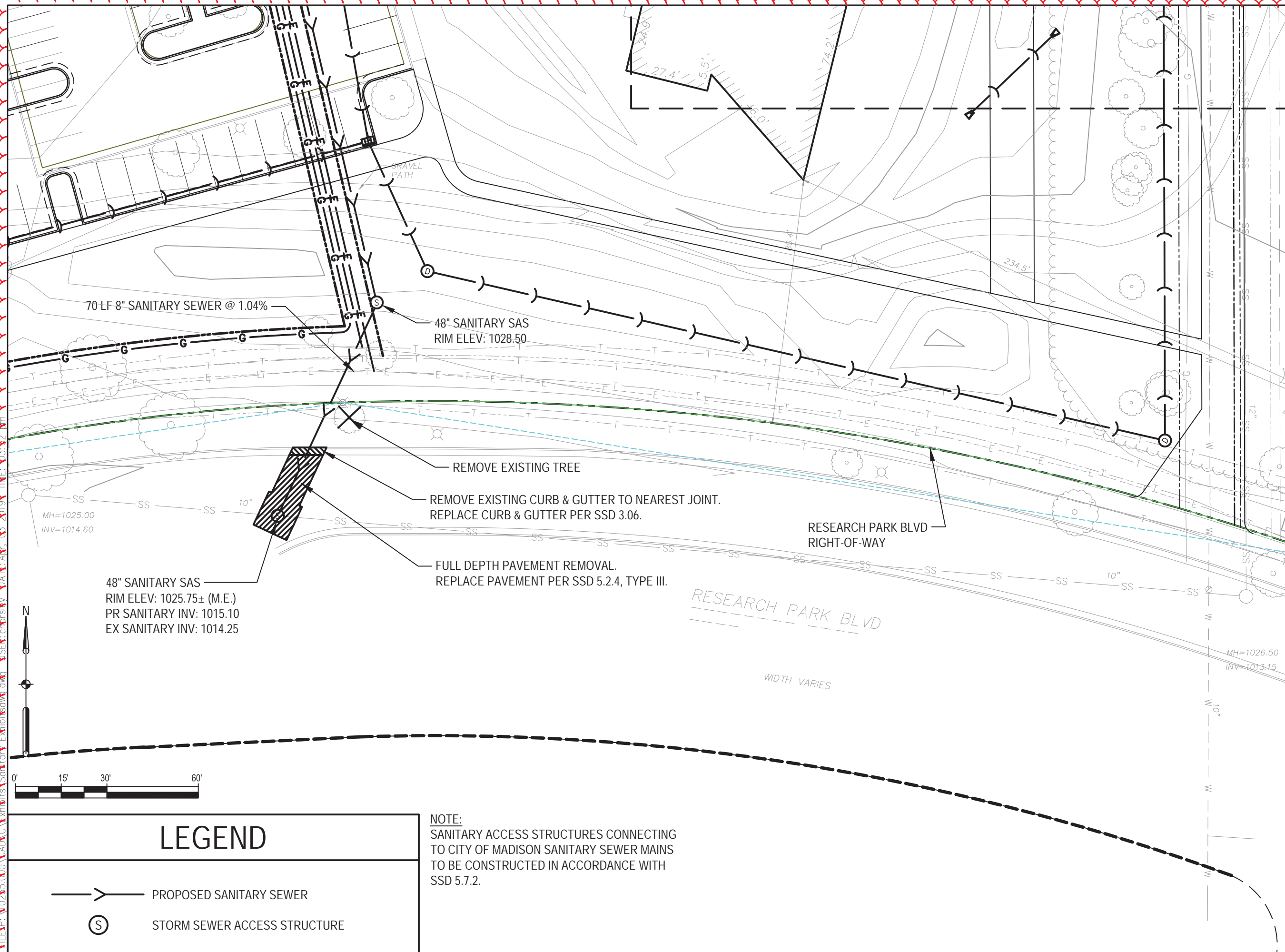
SANITARY EXHIBIT - 1
DRAWING TITLE ENDEAVOR DRIVE -
CITY OF MADISON
ISSUED WITH
DRAWING REFERENCE
1" = 80'-0"
DRAWING SCALE
4/2/2019
DATE
UNIVERSITY RESEARCH PARK/ INNOVATION ONE
PROJECT NAME
10235.000
PROJECT NUMBER
EX-1
DRAWING NUMBER

SMITHGROUP

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 SUITE 500
 MADISON, WI 53703
 608.251.1177
 www.smithgroup.com



REVISION - 4/5/19
 SMITHGROUP
 - New Sheet



SANITARY EXHIBIT - 2

DRAWING TITLE
 ENDEAVOR DRIVE -
 CITY OF MADISON
 ISSUED WITH

DRAWING REFERENCE

1" = 30'-0"

DRAWING SCALE

4/2/2019

DATE
 UNIVERSITY RESEARCH PARK/
 INNOVATION ONE
 PROJECT NAME

10235.000

PROJECT NUMBER

EX-2

DRAWING NUMBER

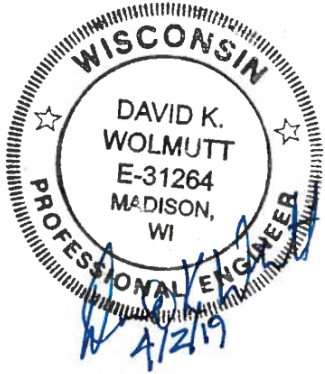
LEGEND

- PROPOSED SANITARY SEWER
- STORM SEWER ACCESS STRUCTURE

NOTE:
 SANITARY ACCESS STRUCTURES CONNECTING
 TO CITY OF MADISON SANITARY SEWER MAINS
 TO BE CONSTRUCTED IN ACCORDANCE WITH
 SSD 5.7.2.

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SUITE 500
MADISON, WI 53703
608.251.1177
www.smithgroup.com



REVISION - 4/5/19
SMITHGROUP
- New Sheet

SANITARY EXHIBIT - 3

DRAWING TITLE
ENDEAVOR DRIVE -

CITY OF MADISON

ISSUED WITH

DRAWING REFERENCE

1" = 30'-0"

DRAWING SCALE

4/2/2019

DATE
UNIVERSITY RESEARCH PARK/

INNOVATION ONE

PROJECT NAME

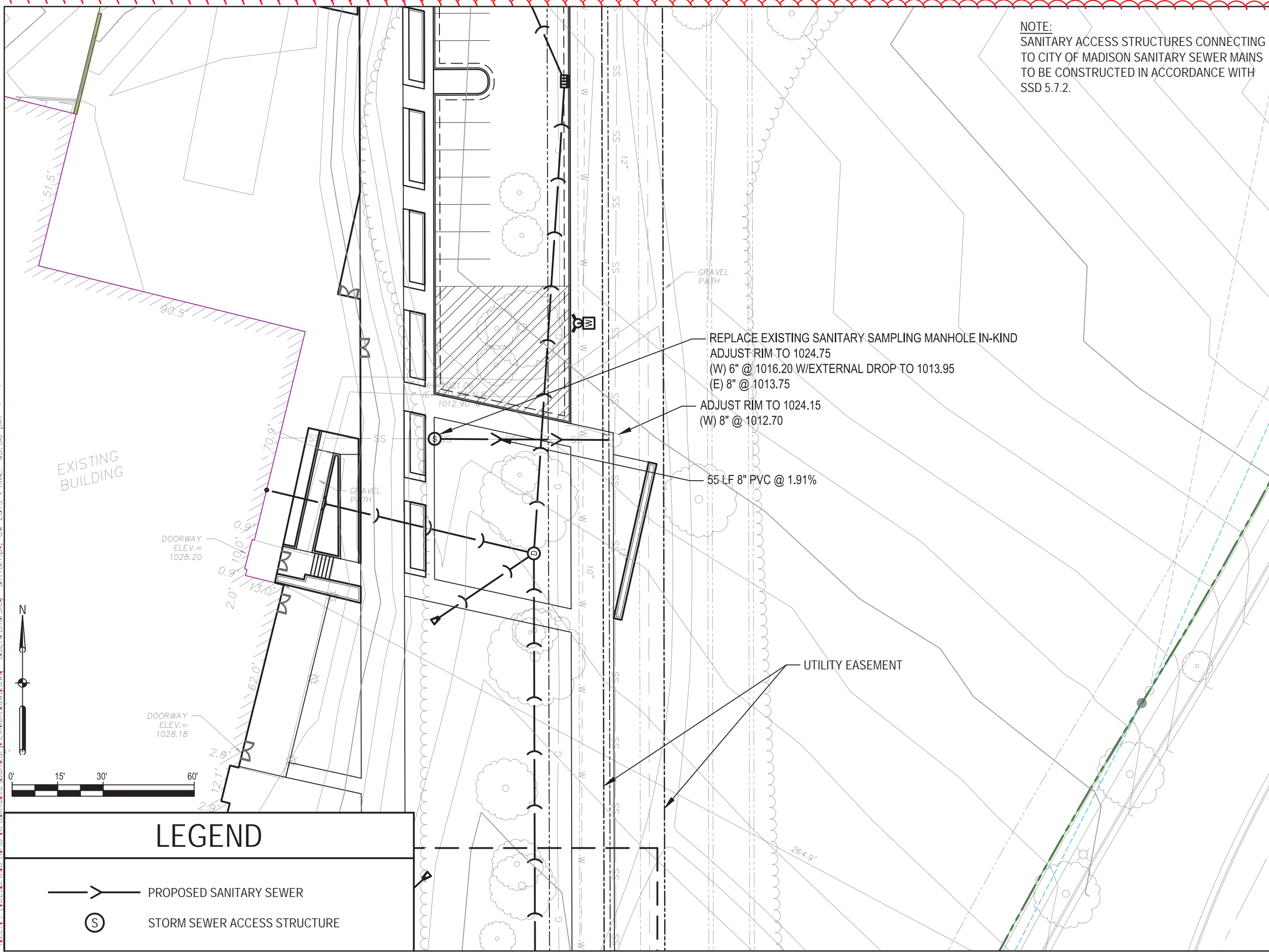
10235.000

PROJECT NUMBER

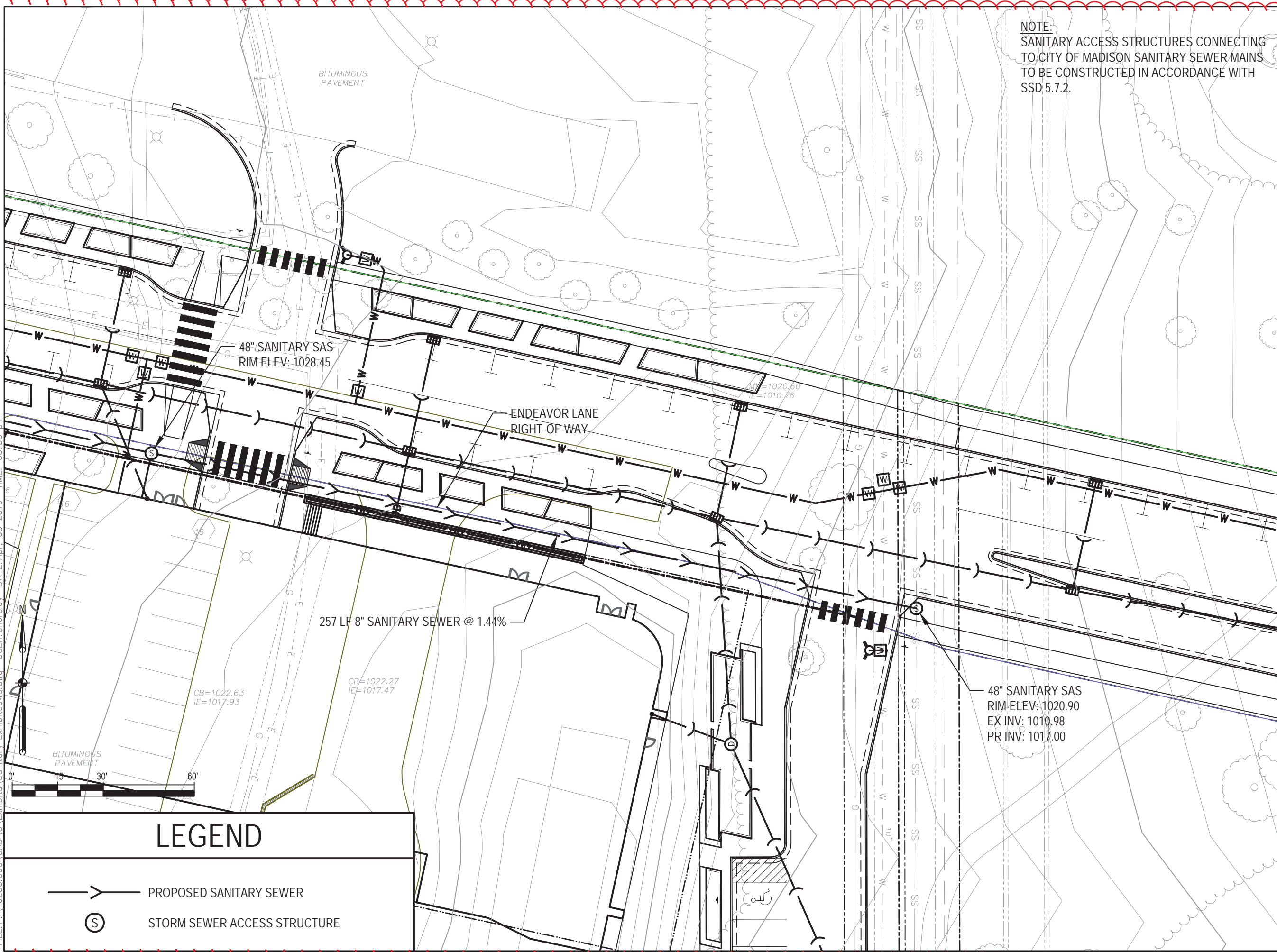
EX-3

DRAWING NUMBER

NOTE:
SANITARY ACCESS STRUCTURES CONNECTING
TO CITY OF MADISON SANITARY SEWER MAINS
TO BE CONSTRUCTED IN ACCORDANCE WITH
SSD 5.7.2.



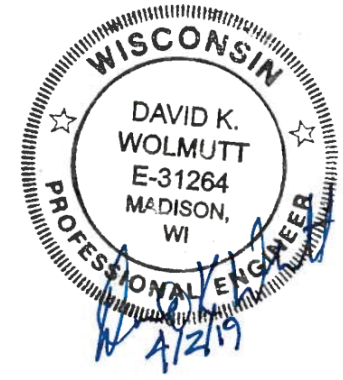
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NOTE:
SANITARY ACCESS STRUCTURES CONNECTING
TO CITY OF MADISON SANITARY SEWER MAINS
TO BE CONSTRUCTED IN ACCORDANCE WITH
SSD 5.7.2.

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REVISION - 4/5/19
SMITHGROUP
- New Sheet

SANITARY EXHIBIT - 4
DRAWING TITLE
ENDEAVOR DRIVE -
CITY OF MADISON
ISSUED WITH



DRAWING REFERENCE
1" = 30'-0"
DRAWING SCALE

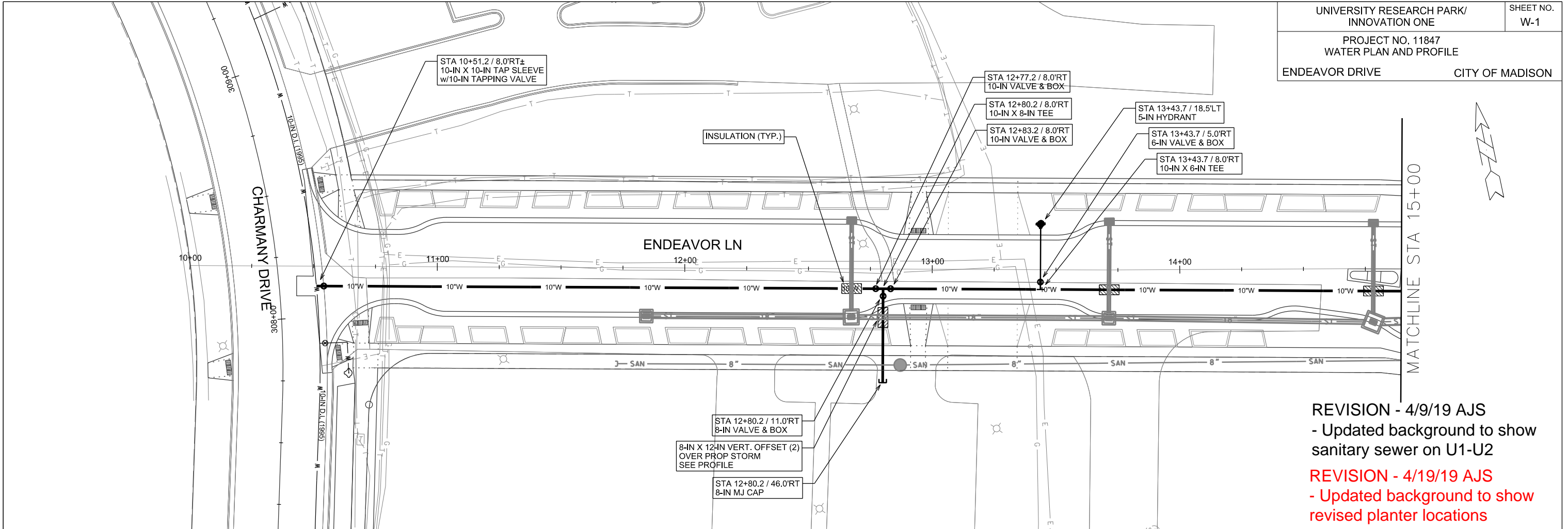
4/2/2019
DATE
UNIVERSITY RESEARCH PARK/
INNOVATION ONE
PROJECT NAME

10235.000
PROJECT NUMBER

EX-4
DRAWING NUMBER

LEGEND

-  PROPOSED SANITARY SEWER
-  STORM SEWER ACCESS STRUCTURE



REVISION - 4/9/19 AJS
- Updated background to show sanitary sewer on U1-U2

REVISION - 4/19/19 AJS
- Updated background to show revised planter locations

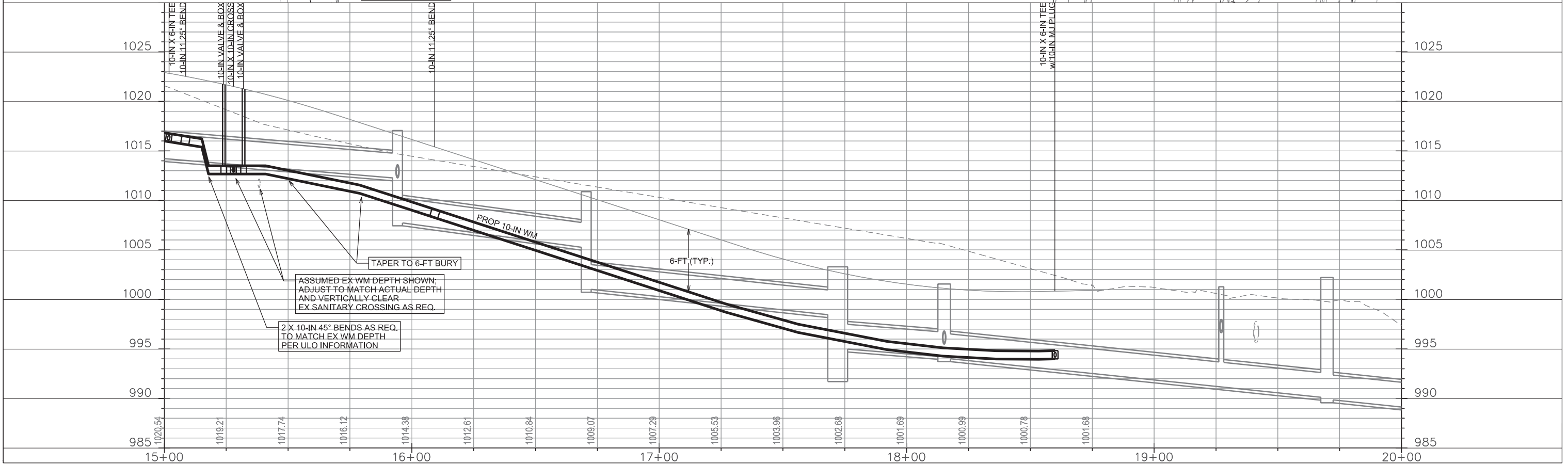
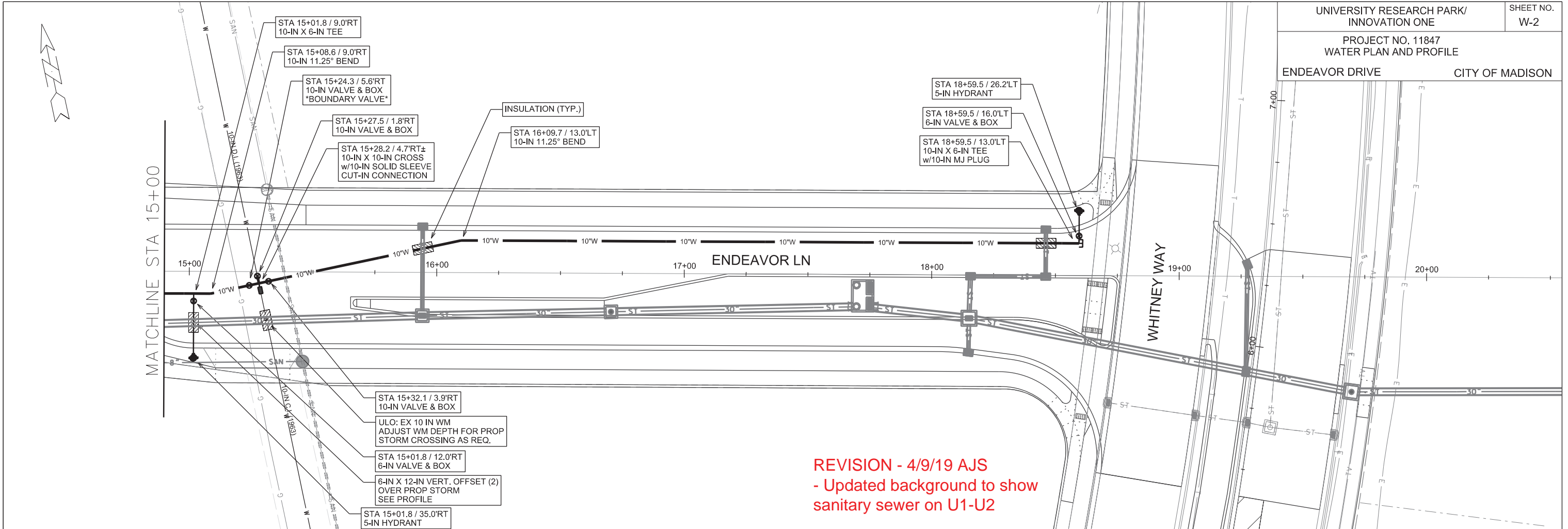


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE:

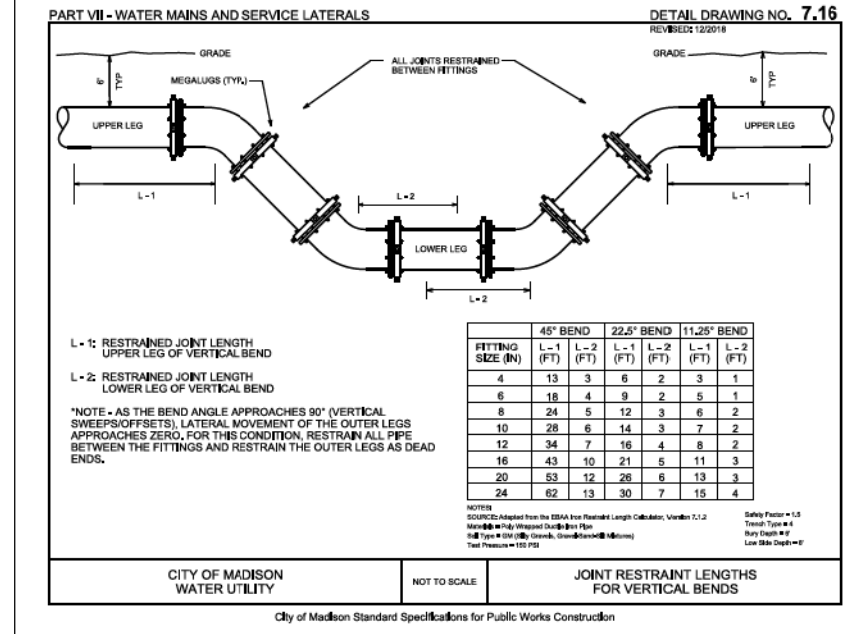
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONSTRUCTION NOTES:

- CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM SEWER UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
 - VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
 - MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
 - 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.
- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE FROM THE OLDER WATER MAIN TO THE NEWER WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF; ABANDON CURB BOX AS REQUIRED.
- WN4 DISCONNECT FROM THE OLDER WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEWER 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 WATER MATERIALS - FROM CONTRACTOR:

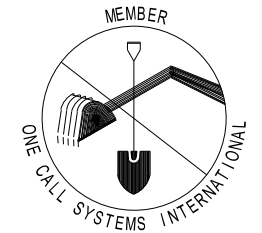
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.

WATER ASSETS	TOTAL
6-IN PIPE (LF)	70
8-IN PIPE (LF)	40
10-IN PIPE (LF)	820
POLY WRAP	1050
6-IN VALVE & BOX	3
8-IN VALVE & BOX	1
10-IN VALVE & BOX	5
10-IN - 11.25° BEND	2
10-IN - 45° BEND (AS REQ.)	2
10-IN X 6-IN TEE	3
10-IN X 8-IN TEE	1
10-IN X 10-IN CROSS	1
10-IN SOLID SLEEVE	1
5-IN HYDRANT	3
10-IN MJ PLUG	1
8-IN MJ CAP	1
2-IN STYROFOAM (LF)	64
6-IN X 12-IN OFFSET	2
8-IN X 12-IN OFFSET	2
10-IN X 7-IN OFFSET (AS REQ.)	2

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.



= APPLY STYROFOAM INSULATION OVER THE WATER MAIN AND SERVICES AT STORM SEWER CROSSINGS, PER STANDARD SPECIFICATIONS

ESTIMATE OF PROJECT WATER MATERIALS - FROM CITY:

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

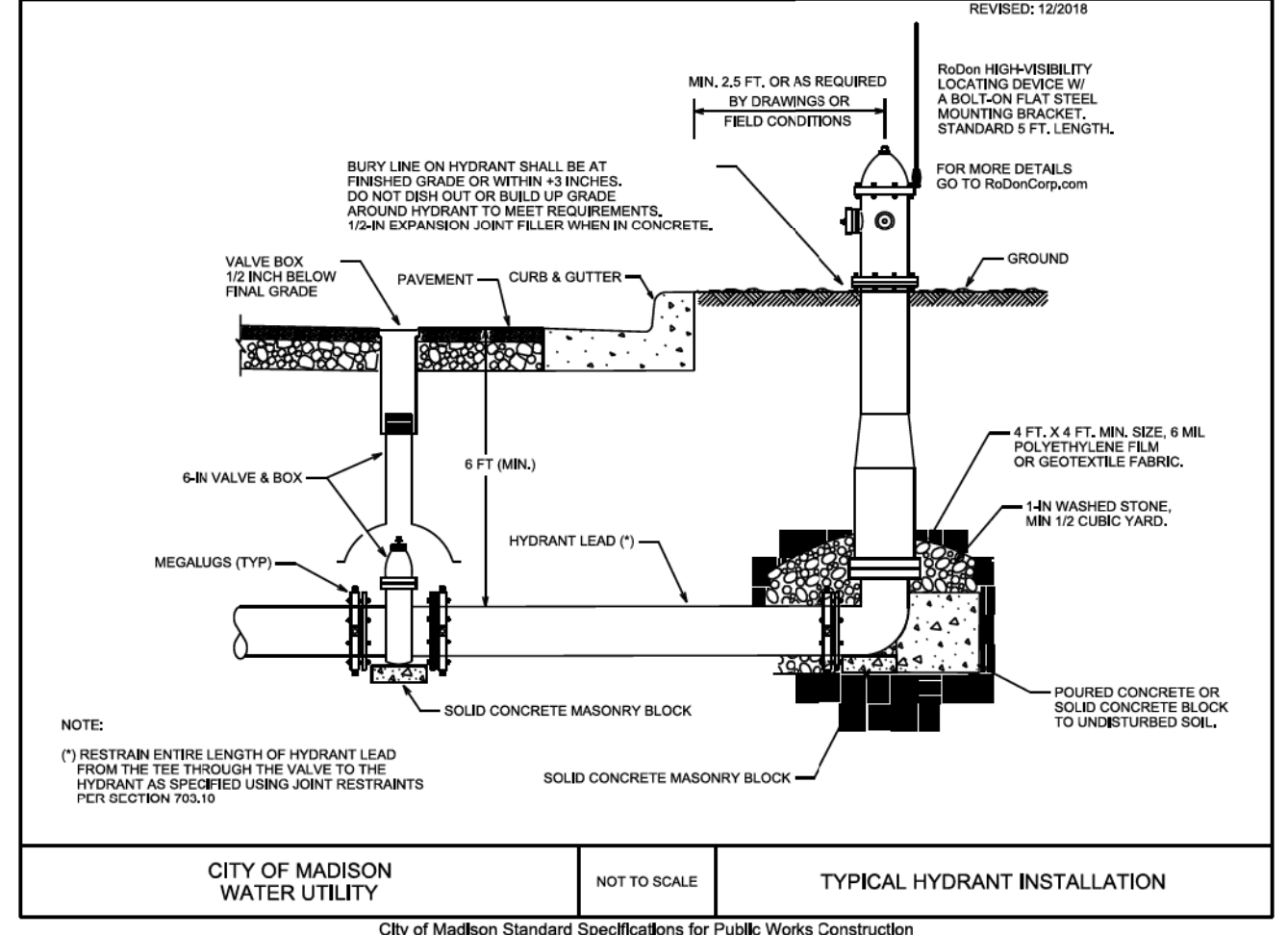
WATER ASSETS	TOTAL
10-IN TAPPING VALVE & BOX	1
10-IN X 10-IN TAPPING SLEEVE	1

UTILITY LINE OPENINGS (ULO):

STATION / OFFSET	
15+33 / 8.0'RT	WATER

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.

PART VII - WATER MAINS AND SERVICE LATERALS DETAIL DRAWING NO. 7.04
REVISED: 12/2018



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SCALE: 1" = 30'

GENERAL ELECTRICAL 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 GRETCHEN AVILES PINEIRO (266-4899) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2019 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.
3. THE CONTRACTOR SHALL CALL TROY VANT (266-4767) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES, BURYING CONDUIT AND CONSTRUCTING ELECTRICAL HANDHOLES TO ARRANGE FOR INSPECTION.
4. ALL EXISTING CONDUITS AND STREET LIGHTS ARE TO REMAIN UNLESS AND UNTIL AUTHORIZED TO REMOVE BY TRAFFIC ENGINEERING. EXISTING CONDUITS CROSSING ENDEAVOR LN, AND EXISTING STREET LIGHT SL 6158 CAN NOT BE REMOVED UNTIL AFTER THE CONTRACTOR INSTALLS THE TWO WOOD TEMPORARY WOOD POLES SHOWN ON THE PLAN AND CITY TE CREWS HAVE INSTALL TEMPORARY OVERHEAD SIGNAL AND LIGHTING CABLES REQUIRED TO MAINTAIN THE EXISTING STREET LIGHT CIRCUIT ON WHITNEY WAY.
5. THE FOLLOWING CITY FURNISHED MATERIALS ARE TO BE PICKED UP AT THE TRAFFIC TRAFFIC OPERTION SHOP, 1120 SAYLE STREET. NOTIFY ED SMITH AT 266-9034 TWENTY FOUR (24) HOURS PRIOR TO PICKING UP THE MATERIAL:

1" X 40" ANCHOR BOLTS: 20

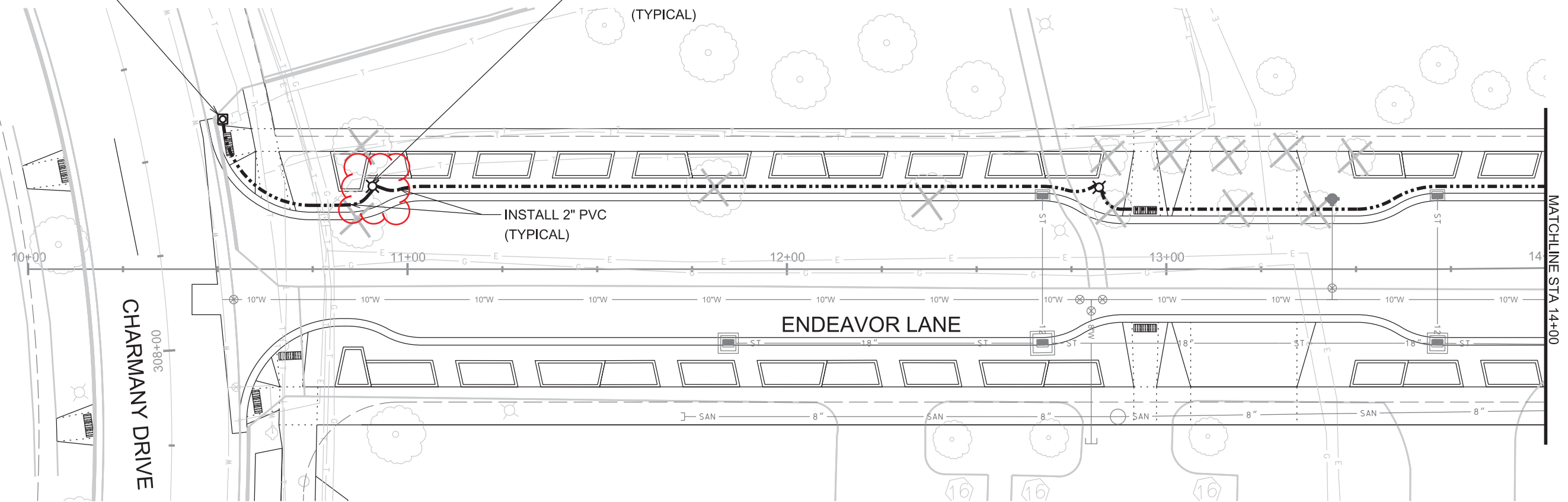
LEGEND

- PLACE STREET LIGHTING PVC CONDUIT, 2" UNLESS NOTED AS OTHER
- PLACE SIGNAL/COMMUNICATION PVC COUNDUIT, 2-3" UNLESS NOTED AS OTHER
- EXISTING STREET LIGHTING CONDUIT
- ☐ CONSTRUCT TYPE-1 ELECTRICAL HANDHOLE
- ⊗ CONSTRUCT LB-3 CONCRETE BASE MODIFIED TO HAVE 11.5 INCH BOLT CIRCLE
- ⊗ EXISTING STREET LIGHT POLE/BASE
- ⊕ TEMPORARY 30 FOOT WOOD POLE TO BE INSTALLED AND REMOVED BY CONTRACTOR

CONSTRUCT TYPE-1
ELECTRICAL HANDHOLE
(TYPICAL)

CONSTRUCT LB-3
CONCRETE BASE
11.5" B.C.
(TYPICAL)

INSTALL 2" PVC
(TYPICAL)



PLOT SCALE:

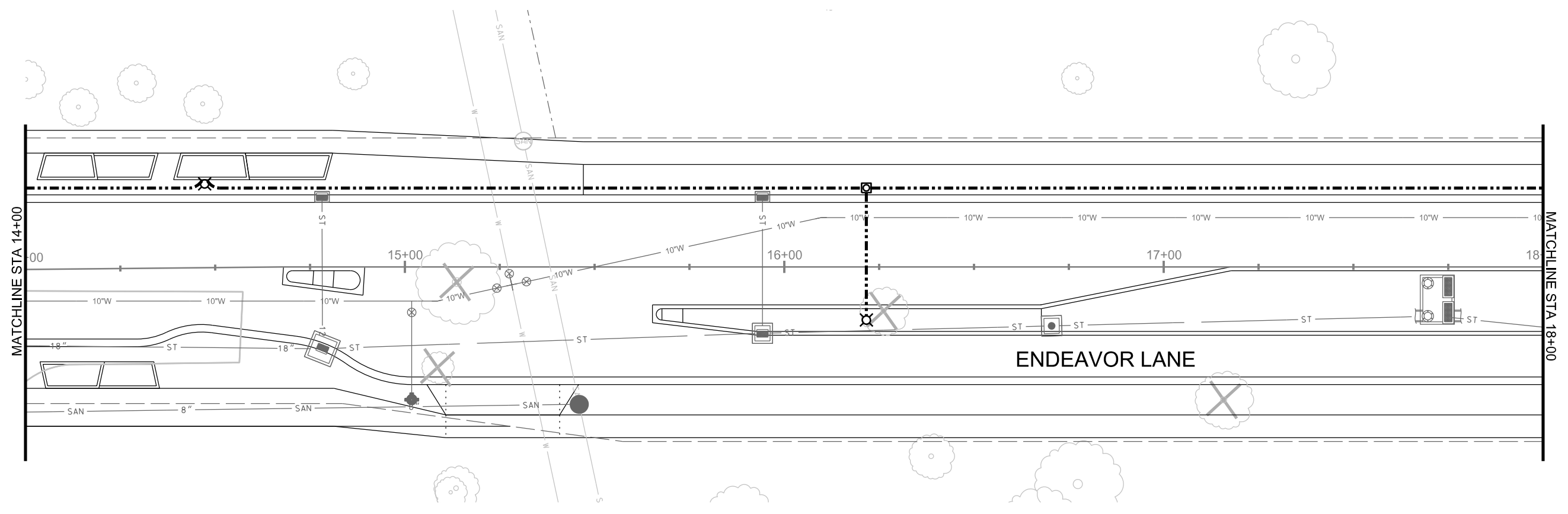
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

SCALE: 1" = 30'

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



LEGEND

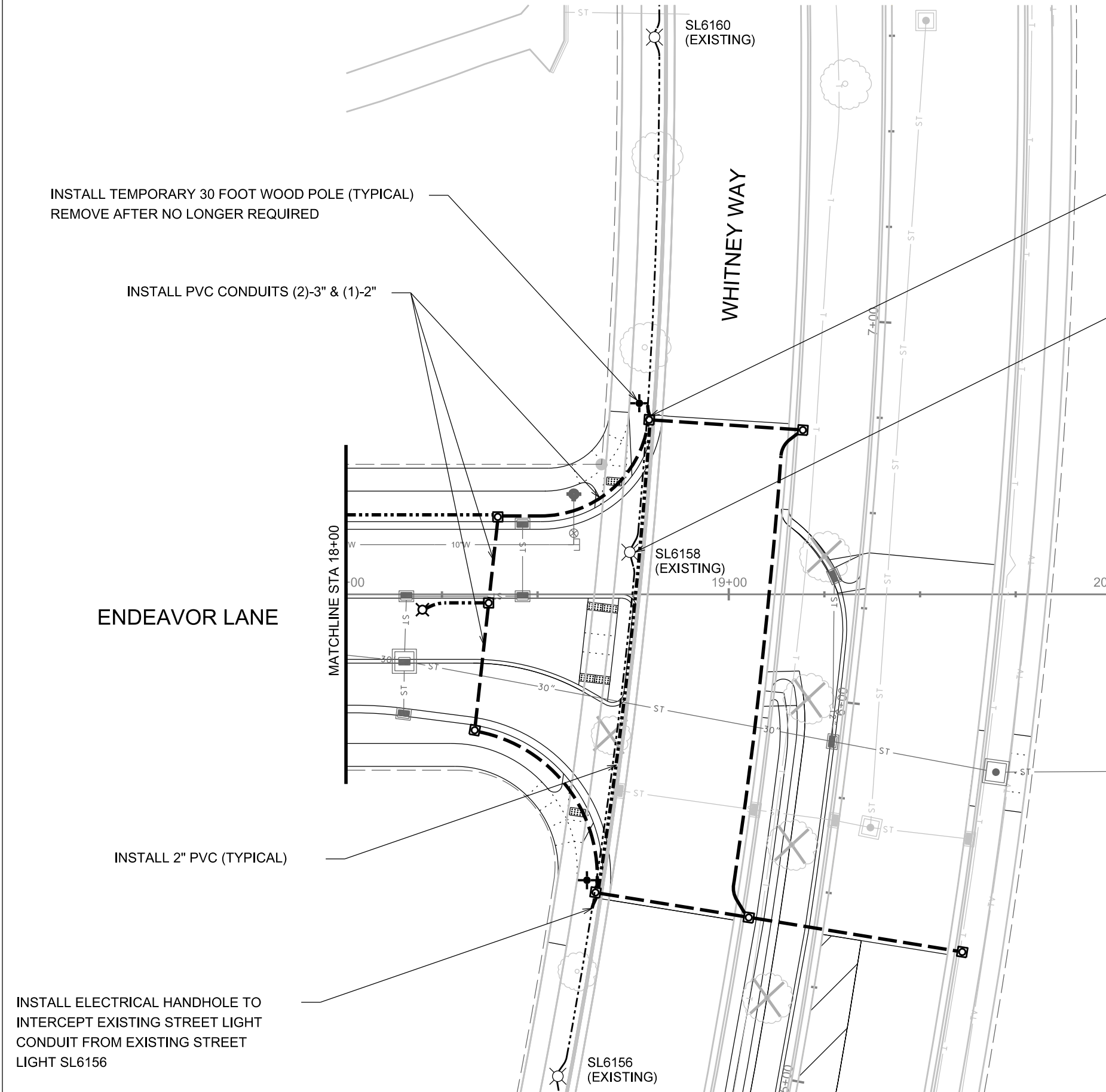
- PLACE STREET LIGHTING PVC CONDUIT, 2" UNLESS NOTED AS OTHER
- PLACE SIGNAL/COMMUNICATION PVC CONDUIT, 2-3" UNLESS NOTED AS OTHER
- EXISTING STREET LIGHTING CONDUIT
- ☒ CONSTRUCT TYPE-1 ELECTRICAL HANDHOLE
- ⊗ CONSTRUCT LB-3 CONCRETE BASE MODIFIED TO HAVE 11.5 INCH BOLT CIRCLE
- ⊗ EXISTING STREET LIGHT POLE/BASE
- ⊕ TEMPORARY 30 FOOT WOOD POLE TO BE INSTALLED AND REMOVED BY CONTRACTOR

ELECTRICAL PLAN

ENDEAVOR LANE CITY OF MADISON
REV 5/3/2019 GMA

SCALE: 1" = 30'

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



INSTALL TEMPORARY 30 FOOT WOOD POLE (TYPICAL)
REMOVE AFTER NO LONGER REQUIRED

INSTALL PVC CONDUITS (2)-3" & (1)-2"

ENDEAVOR LANE

INSTALL 2" PVC (TYPICAL)

INSTALL ELECTRICAL HANDHOLE TO
INTERCEPT EXISTING STREET LIGHT
CONDUIT FROM EXISTING STREET
LIGHT SL6156

WHITNEY WAY

SL6160
(EXISTING)

SL6158
(EXISTING)

SL6156
(EXISTING)

INSTALL ELECTRICAL HANDHOLE TO
INTERCEPT EXISTING STREET LIGHT CONDUIT
FROM EXISTING STREET LIGHT SL6160

REMOVE CONCRETE BASE
REMOVE & DELIVER STREET LIGHT POLE/ARM/FIXTURE
TO TRAFFIC ENGINEERING SHOP. NOTIFY ED SMITH AT
266-9034 TWENTY FOUR (24) HOURS PRIOR TO DELIVERY

LEGEND

- PLACE STREET LIGHTING PVC CONDUIT, 2" UNLESS NOTED AS OTHER
- PLACE SIGNAL/COMMUNICATION PVC CONDUIT, 2-3" UNLESS NOTED AS OTHER
- EXISTING STREET LIGHTING CONDUIT
- ☐ CONSTRUCT TYPE-1 ELECTRICAL HANDHOLE
- ⊗ CONSTRUCT LB-3 CONCRETE BASE MODIFIED TO HAVE 11.5 INCH BOLT CIRCLE
- ⊗ EXISTING STREET LIGHT POLE/BASE
- ⊕ TEMPORARY 30 FOOT WOOD POLE TO BE INSTALLED AND REMOVED BY CONTRACTOR

UNIVERSITY RESEARCH PARK - INNOVATION ONE MADISON, WI

REVISION 10/18/19 WESTPHAL
- New Sheet, Private Lighting within R/W

PROJECT NAME
INNOVATION ONE

PROJECT ADDRESS
510 (HARMANY, MADISON, WI 53719)



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CONSULTANT PROJECT NUMBER
1840005

ISSUE		
NO.	REVISION DESCRIPTION	DATE
2	95% CONSTRUCTION DOCUMENTS	07/20/18
4	100% CONSTRUCTION DOCUMENTS	08/29/18
6	ISSUED FOR CONSTRUCTION	10/11/18
19	ISSUED FOR CONSTRUCTION	04/26/19

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SHEET TITLE
SYMBOLS AND ABBREVIATIONS



SHEET NUMBER
E0-01

7/8/2019 10:06:40 AM

LIGHTING

- SURFACE MOUNTED LED FIXTURE
MOUNTING LOCATION: CEILING
- SURFACE MOUNTED EMERGENCY LED FIXTURE
MOUNTING LOCATION: CEILING
- LED STRIP FIXTURE
MOUNTING LOCATION: WALL OR CEILING
- LED STRIP FIXTURE - EMERGENCY
MOUNTING LOCATION: WALL OR CEILING
- SUSPENDED LINEAR LED FIXTURE
MOUNTING LOCATION: CEILING
- ▭ RECESSED MOUNTED LED TROFFER
LOCATION: CEILING
- ⊥ SURFACE MOUNTED WALL FIXTURE
MOUNTING LOCATION: WALL
- ↑ EXIT DIRECTIONAL ARROW
- ⊗ SINGLE FACE EXIT FIXTURE
MOUNTING LOCATION: CEILING
- ⊗ DOUBLE FACE EXIT FIXTURE
MOUNTING LOCATION: CEILING
- ⊗ SINGLE FACE EXIT FIXTURE
MOUNTING LOCATION: WALL
- ⊗ DOUBLE FACE EXIT FIXTURE
MOUNTING LOCATION: WALL
- ⊗ SINGLE HEAD EMERGENCY
FIXTURE WITH BATTERY PACK
- ⊗ DOUBLE HEAD EMERGENCY
FIXTURE WITH BATTERY PACK

SWITCHES

- § SINGLE POLE SWITCH
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
= SWITCH DESIGNATION
DT = PASSIVE DUAL TECHNOLOGY
LV = LOW VOLTAGE PUSHBUTTON WALLPOD
- § THREE WAY SWITCH
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
- § FOUR WAY SWITCH
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
- § TWO POLE SWITCH
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
- § KEY SWITCH
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
- § MC MOMENTARY CONTACT SWITCH
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
- § D DOOR SWITCH
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
- § P SWITCH WITH PILOT LIGHT
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
- § LV-M SWITCH
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
- § DM REMOTE CONTROL FOR
MOTORIZED DAMPER
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
- ⊗ LIGHTING CONTACTOR
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED
- ⊗ DIMMER MOUNTING
LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
- ⊗ TIME SWITCH MOUNTING
LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
- ⊗ PHOTO CELL MOUNTING
LOCATION: WALL
MOUNTING HEIGHT: AS NOTED
- ⊗ AL AMBIENT LIGHT SENSOR
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED
- ⊗ AL AMBIENT LIGHT SENSOR
MOUNTING LOCATION: CEILING
- ⊗ ??? OCCUPANCY SENSOR FOR LIGHTING CONTROL
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: 3'-6"
PIR = PASSIVE INFRARED
U = UL TRASONIC
DT = DUAL TECHNOLOGY
PIRA = PIR WITH AMBIENT LIGHT SENSOR
- ⊗ ??? OCCUPANCY SENSOR FOR LIGHTING CONTROL
MOUNTING LOCATION: CEILING
- ⊗ FLOOR SWITCH
MOUNTING LOCATION: FLOOR
- ⊗ PP POWER/RELAY PACK, OCCUPANCY
CONTROLLED DIMMING
- ⊗ PPE POWER/RELAY PACK, OCCUPANCY
CONTROLLED DIMMING, EMERGENCY
OPERATION
- ⊗ BG LIGHTING CONTROL BRIDGE KIT

DATA DEVICES

- ▼ DATA OUTLET
MOUNTING HEIGHT: 1'-6" UNO
- INTERCOM
- ▼ DATA OUTLET FOR INTERCOM
MOUNTING HEIGHT: 4'-0" UNO

SHEET SYMBOLS

- ◆ NOTE DESIGNATION
- ▲ REVISION NUMBER DESIGNATION
- ⊕ NORTH-ARROW
- ① DETAIL REFERENCE TOP
DESIGNATES
DETAIL NUMBER BOTTOM
DESIGNATES
ON WHICH SHEET DETAIL APPEARS
- ① SECTION REFERENCE TOP
DESIGNATES
SECTION NUMBER BOTTOM
DESIGNATES ON WHICH SHEET
SECTION APPEARS

POWER RECEPTACLES

- ⊕ DUPLEX RECEPTACLE
MOUNTING HEIGHT: 1'-6" UNO
- ⊕ GROUND FAULT INTERRUPT DUPLEX
RECEPTACLE
MOUNTING HEIGHT: 1'-6" UNO
- ⊕ WATERPROOF GROUND FAULT INTERRUPT
DUPLEX RECEPTACLE
MOUNTING HEIGHT: 1'-6" UNO
- ⊕ DOUBLE DUPLEX RECEPTACLE
MOUNTING HEIGHT: 1'-6" UNO
- ⊕ DUPLEX RECEPTACLE - ABOVE COUNTER
MOUNTING HEIGHT: 2" ABOVE
BACKSPASH UNO
- ⊕ FIXED EQUIPMENT CONNECTION
COORDINATE MOUNTING WITH EQUIPMENT
- ⊕ MOTOR CONNECTION
- ⊕ TRANSFORMER
- ⊕ PANELBOARD - NORMAL
- ⊕ PANELBOARD - EMERGENCY/LIFE SAFETY
- ⊕ PANELBOARD - LEGALLY REQUIRED
- ⊕ LIGHTING CONTROL PANEL
- ⊕ SURFACE JUNCTION BOX
- ⊕ SURFACE JUNCTION BOX - WALL
- ⊕ FLUSH JUNCTION BOX - CEILING
- ⊕ FLUSH JUNCTION BOX - WALL
- ⊕ FLUSH JUNCTION BOX - FLOOR

FIRE ALARM

- ⊕ WALL MOUNTED SPEAKER STROBE
MOUNTING HEIGHT: 8'-8" TO 8'-0"
- ⊕ WALL MOUNTED SPEAKER
MOUNTING HEIGHT: 8'-8" TO 8'-0"
- ⊕ WALL MOUNTED STROBE
MOUNTING HEIGHT: 8'-8" TO 8'-0"
- ⊕ CEILING MOUNTED SPEAKER STROBE
- ⊕ FIRE ALARM NOTIFICATION POWER SUPPLY
- ⊕ FIRE ALARM ANNUNCIATOR PANEL
- ⊕ REMOTE ANNUNCIATOR
- ⊕ AREA OF RESCUE ASSISTANCE
- ⊕ CEILING MOUNTED SMOKE DETECTOR
- ⊕ CEILING MOUNTED HEAT DETECTOR
- ⊕ PULL STATION/FIRE ALARM BOX
MOUNTING HEIGHT: 3'-6" TO 4'-6" AFF
- ⊕ DOOR HOLDER
- ⊕ DOOR HOLDER W/ SMOKE DETECTOR
- ⊕ RELAY MODULE
- ⊕ MONITOR MODULE
- ⊕ EQUIPMENT
- ⊕ ER EQUIPMENT ROOM
- ⊕ ESM ELECTRICAL STRIP MOLD
- ⊕ ETR EXISTING TO REMAIN
- ⊕ EWC ELECTRIC WATER COOLER
- ⊕ EXT EXTERNAL
- ⊕ FFC FLUSH WITH FINISHED CEILING
- ⊕ FFF FLUSH WITH FINISHED FLOOR
- ⊕ FFW FLUSH WITH FINISHED WALL
- ⊕ FAL FIRE ALARM
- ⊕ FACP FIRE ALARM CONTROL PANEL
- ⊕ FCU FAN COOL UNIT
- ⊕ FER FEEDER
- ⊕ FOS FUSED DISCONNECT SWITCH
- ⊕ FI FILL ILLUMINATOR
- ⊕ FI FUTURE
- ⊕ FL AT FLOOR LINE
- ⊕ FLA FULL LOAD AMPERES
- ⊕ FLEX FLEXIBLE
- ⊕ FLR FLOOR
- ⊕ FLUOR FLUORESCENT
- ⊕ FS FLOW SWITCH
- ⊕ FSS FUSED SAFETY SWITCH
- ⊕ FSCP FLAME SAFEGUARD CONTROL PANEL
- ⊕ FVNR FULL VOLTAGE NON-REVERSING
- ⊕ GBC GREAT BARRIER CONVERTER
- ⊕ GC GENERAL CONTRACTOR
- ⊕ GFCI GROUND FAULT CIRCUIT INTERRUPTER
- ⊕ GND GROUND
- ⊕ GEN GENERATOR
- ⊕ GRC GALVANNEED REID CONDUIT
- ⊕ GTB GROUND TERMINAL BOX
- ⊕ HH HANDHOLE
- ⊕ HOA HAND OFF AUTOMATIC
- ⊕ HP HORSE POWER
- ⊕ HT HIGH-TEMPERATURE TRACE
- ⊕ HV HIGH VOLTAGE
- ⊕ IDF INTERMEDIATE DISTRIBUTION FACILITY
- ⊕ IMC INTERMEDIATE METAL CONDUIT
- ⊕ INCANDESCENT

SITE SYMBOLS

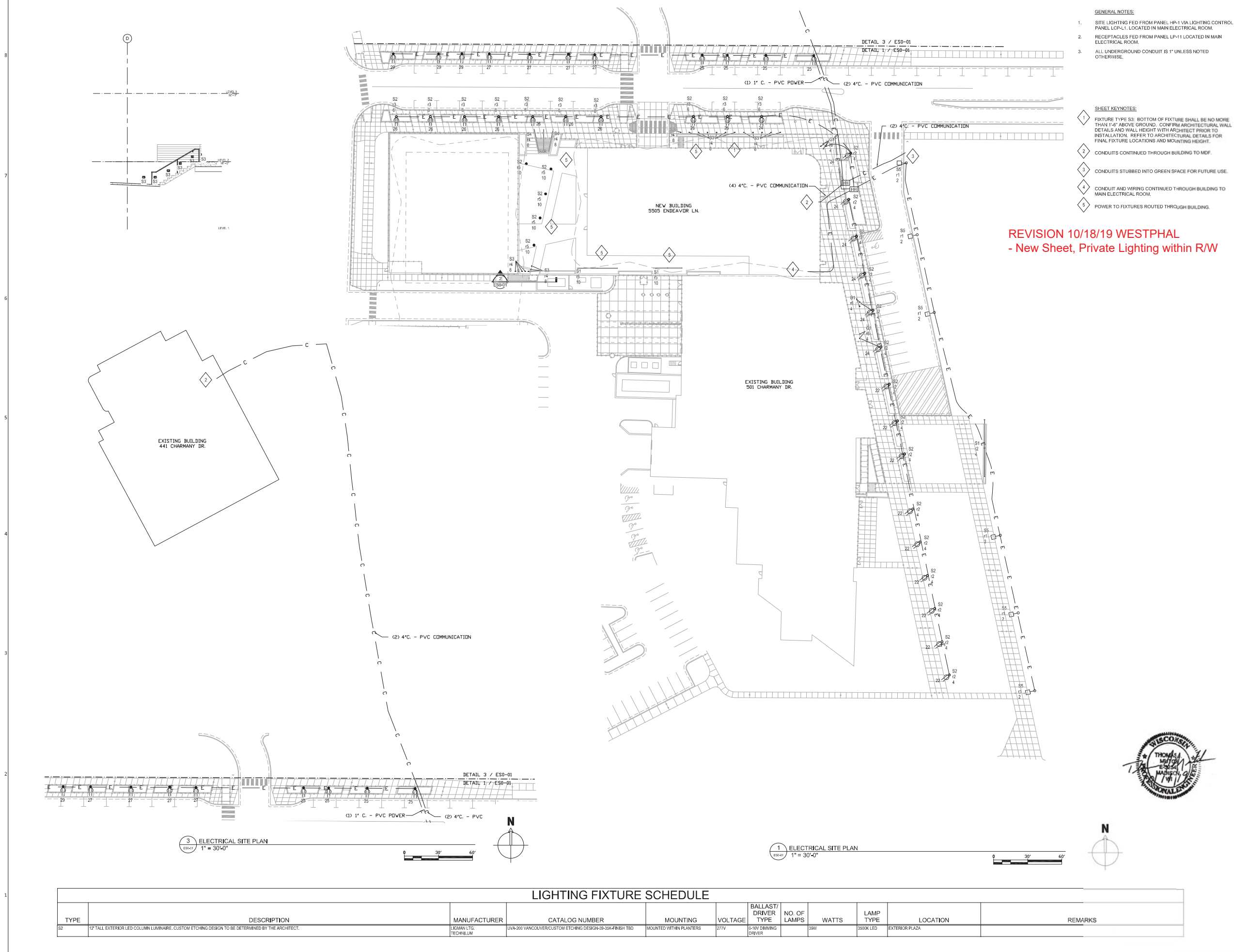
- CIRCUIT/SWITCH
- ⊕ POLE FIXTURE, ONE HEAD
- ⊕ POLE FIXTURE, TWO HEAD
- ⊕ POLE FIXTURE, FOUR HEAD
- IN GROUND COLUMN FIXTURE
- IN GROUND POST
- ⊕ BOLLARD OR GROUND MOUNTED FIXTURE
- ⊕ EXTERIOR WALL MOUNTED FIXTURE
- E — UG — E = ELECTRIC POWER
T = TELEPHONE
UG = UNDERGROUND
OH = OVERHEAD
D = DATA

ABBREVIATIONS

- 10/100BaseTX GIGABIT ETHERNET (SHORT WAVELENGTH)
- 100BaseSX GIGABIT ETHERNET (LONG WAVELENGTH)
- 100BaseLX GIGABIT ETHERNET (LONG WAVELENGTH)
- AC ABOVE CEILING ALTERNATING CURRENT
- ACS ACCESS CONTROL PANEL
- ACT ACUSTICAL CEILING TILE
- ADO AUTOMATIC DOOR OPENER
- AF AMPERE FRAME
- AFF ABOVE FINISHED FLOOR
- AL AMP INTERRUPTING CAPACITY
- ALTERNATE
- ARCH ARCHITECTURAL
- ASC ABOVE SUSPENDED CEILING
- AT AMPERE TRIP
- ATS AUTOMATIC TRANSFER SWITCH
- AUTO AUTOMATIC
- AWG AMERICAN WIRE GAUGE
- BAS BUILDING AUTOMATION SYSTEM
- BATS BYPASS AUTOMATIC TRANSFER SWITCH
- BC BARE COPPER
- BCS BUILDING CONTROL SYSTEM
- BEF BUILDING ENTRANCE FACILITY
- BFC BELOW FINISH CEILING
- BFL BELOW FLOOR LEVEL
- BLDG BUILDING
- BMS BUILDING MANAGEMENT SYSTEM
- BMP BOILER PLANT INSTRUMENTATION PANEL
- BKR BREAKER
- C CONDUIT
- CCTV CLOSED CIRCUIT TELEVISION
- CCT CIRCUIT BREAKER
- CB/CCT BKR CIRCUIT BREAKER
- CLD CEILING
- CO CONDUIT ONLY
- CONN CONNECTION
- CONTR CONTRACTOR
- CORR CORRIDOR
- CP CONSOLIDATION POINT
- CT CONTROL RELAY
- CT CURRENT TRANSFORMER/CABLE TRAY
- DB DIRECT BURIAL
- DC DIRECT CURRENT
- DED DEDICATED
- DET DETAIL
- GA GAUGE
- DISC DISCONNECT
- DN DOWN
- DP DISTRIBUTION PANEL
- DS DISCONNECT SWITCH
- DUR DIGITAL VIDEO RECORDER
- EC EMPTY CONDUIT/ELECTRICAL CONTRACTOR
- ECL EMERGENCY CRITICAL LIGHTING
- ECC EMERGENCY CRITICAL POWER
- EDB ELECTRIC DUCT BANK
- EF ENTRANCE FACILITY
- EG EQUIPMENT GROUND
- EGB ENGINE GENERATOR SET
- EIP EQUIPMENT INTERMEDIATE DISTRIBUTION FACILITY
- EJ EXPANSION JOINT
- ELEC ELECTROELECTRICAL
- ELL EMERGENCY LIFE SAFETY LIGHTING
- ELP EMERGENCY LIFE SAFETY POWER
- EMER EMERGENCY
- EMI ELECTROMAGNETIC INTERFERENCE
- EMT ELECTRICAL METALLIC TUBING
- EQUIP EQUIPMENT
- ER EQUIPMENT ROOM
- ESM ELECTRICAL STRIP MOLD
- ETR EXISTING TO REMAIN
- EWC ELECTRIC WATER COOLER
- EXT EXTERNAL
- FFC FLUSH WITH FINISHED CEILING
- FFF FLUSH WITH FINISHED FLOOR
- FFW FLUSH WITH FINISHED WALL
- FAL FIRE ALARM
- FACP FIRE ALARM CONTROL PANEL
- FCU FAN COOL UNIT
- FER FEEDER
- FOS FUSED DISCONNECT SWITCH
- FI FILL ILLUMINATOR
- FI FUTURE
- FL AT FLOOR LINE
- FLA FULL LOAD AMPERES
- FLEX FLEXIBLE
- FLR FLOOR
- FLUOR FLUORESCENT
- FS FLOW SWITCH
- FSS FUSED SAFETY SWITCH
- FSCP FLAME SAFEGUARD CONTROL PANEL
- FVNR FULL VOLTAGE NON-REVERSING
- GBC GREAT BARRIER CONVERTER
- GC GENERAL CONTRACTOR
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- GND GROUND
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- GRC GALVANNEED REID CONDUIT
- GTB GROUND TERMINAL BOX
- HH HANDHOLE
- HOA HAND OFF AUTOMATIC
- HP HORSE POWER
- HT HIGH-TEMPERATURE TRACE
- HV HIGH VOLTAGE
- IDF INTERMEDIATE DISTRIBUTION FACILITY
- IMC INTERMEDIATE METAL CONDUIT
- INCANDESCENT
- JB JUNCTION BOX
- KO KNOCKOUT
- KV KILOVOLT
- KVA KILOVOLT-AMPERES
- KW KILOWATTS
- KWH KILOWATT HOURS
- LAN LOCAL AREA NETWORK
- LGT LIGHT
- LTCP LOCAL TEMPERATURE CONTROL PANEL
- LTS LIGHTING
- LTS LIGHTS
- LV LOW VOLTAGE
- MATV MASTER ANTENNA TELEVISION
- MC MECHANICAL CONTRACTOR
- MCB MAIN CIRCUIT BREAKER
- MCC MOTOR CONTROL CENTER
- MCP MOTOR CIRCUIT PROTECTOR
- MDF MAIN DISTRIBUTION FACILITY
- MDP MAIN DISTRIBUTION PANEL
- MER MAIN EQUIPMENT ROOM
- MLO MAIN LOSS ONLY
- MH MAINTENANCE HOLE
- MM MULTIMEDIA
- MP MUSIC PAGE
- MPTB MUSIC & PAGE TERMINAL BOX
- MTD MOUNTED
- MTG MOUNTING HEIGHT
- MTR MOTOR METER
- NA NOT APPLICABLE
- NC NEW CONNECTION/NORMALLY CLOSED
- NEC NATIONAL ELECTRIC CODE
- NFD NON-FUSED DISCONNECT
- NFIS NON-FUSED SAFETY SWITCH
- NTC NOT IN CONTRACT
- NO NORMALLY OPEN
- NTS NOT TO SCALE
- OC OWNER FURNISHED CONTRACTOR INSTALLED
- OFI OWNER FURNISHED OWNER INSTALLED
- P POLE
- PA PUBLIC ADDRESS
- PA FULL BACKLASH SHUTTER
- PBX PRIVATE BRANCH EXCHANGE
- PC PLUMBING CONTRACTOR/PERSONAL COMPUTER
- PDU POWER DISTRIBUTION UNIT
- PF POWER FACTOR
- PH PHASE
- PLUG PLUMBING
- PAL PANEL
- POD POWER OPERATED DAMPER
- PT POTENTIAL TRANSFORMER
- PTRV POWER TYPE ROOF VENTILATOR
- PWR POWER
- RECESS RECESSED
- RECEP RECEPTACLE
- REL RELOCATE
- REQD REQUIRED
- RGP REMOTE GROUND INDICATOR PANEL
- RMC RIGID METAL CONDUIT
- RJ RACK UNIT
- RJU REDUCED VOLTAGE AUTO TRANSFER
- SHT SHEET
- SNAL SIGNAL
- SM SIGNAL
- SO STANDARD INFORMATION OUTLET
- SPEC SINGLELINE SPECIFICATION
- SS SAFETY SWITCH
- STA STARTER
- STARTER
- SW SWITCH
- SWBD SWITCHBOARD
- SWG SWITCHGEAR
- TB TERMINAL BOX
- TEL TELEPHONE
- TFA TO FLOOR ABOVE
- TFB TO FLOOR BELOW
- TO TELECOMMUNICATIONS OUTLET
- TR TELECON ROOM
- TS TAMPER SWITCH/TIME SWITCH
- TELEVISION
- TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION
- TELEVISION TERMINAL CABINET
- TYP TYPICAL
- UC UNDER COUNTER
- UG UNDERGROUND
- UH UNIT HEATER
- UNLESS NOTED OTHERWISE
- UNINTERRUPTIBLE POWER SUPPLY
- V VOLTAGE
- VFD VARIABLE FREQUENCY DRIVE
- VOP VOICE OVER INTERNET PROTOCOL
- VPP VAPOR PROOF
- W WIRE
- W WITH
- WP WEATHERPROOF
- WS WALL SURFACE
- WT WATER TIGHT
- WBT WEATHER
- XFMR TRANSFORMER
- XP EXPLOSION PROOF



A B C D E F G H I J K L M



- GENERAL NOTES:**
- SITE LIGHTING FED FROM PANEL HR-1 VIA LIGHTING CONTROL PANEL LOP-L. LOCATED IN MAIN ELECTRICAL ROOM.
 - RECEPTACLES FED FROM PANEL LP-11 LOCATED IN MAIN ELECTRICAL ROOM.
 - ALL UNDERGROUND CONDUIT IS 1" UNLESS NOTED OTHERWISE.
- SHEET KEYNOTES:**
- FIXTURE TYPE S2: BOTTOM OF FIXTURE SHALL BE NO MORE THAN 1'-6" ABOVE GROUND. CONFIRM ARCHITECTURAL WALL DETAILS AND WALL HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL DETAILS FOR FINAL FIXTURE LOCATIONS AND MOUNTING HEIGHT.
 - CONDUITS CONTINUED THROUGH BUILDING TO MDF.
 - CONDUITS STUBBED INTO GREEN SPACE FOR FUTURE USE.
 - CONDUIT AND WIRING CONTINUED THROUGH BUILDING TO MAIN ELECTRICAL ROOM.
 - POWER TO FIXTURES ROUTED THROUGH BUILDING.

REVISION 10/18/19 WESTPHAL
- New Sheet, Private Lighting within R/W

PROJECT NAME
UNIVERSITY RESEARCH PARK / INNOVATION ONE

PROJECT ADDRESS
5505 ENDEAVOR LANE
MADISON, WI 53719



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JOHN LUKE PRIFOGLIE

VDTA PROJECT NUMBER
17055.00

CONSULTANT

CONSULTANT PROJECT NUMBER

KEY PLAN

NO.	REVISION DESCRIPTION	DATE
1	DESIGN DEVELOPMENT	11/22/2017
2	SITE PLAN APPROVAL	11/27/2017
3	DESIGN DEVELOPMENT #2	07/18/2018
4	SITE PLAN APPROVAL-REVISED	03/02/2018
5	75% CONSTRUCTION DOCUMENTS	07/30/2018
6	100% CONSTRUCTION DOCUMENTS	08/29/2018
7	ISSUED FOR CONSTRUCTION	10/11/2018
8	MEPP BULLETIN #2	03/13/2019
9	ISSUED FOR CONSTRUCTION	04/26/2019
10	BCS BULLETIN #5	09/30/2019
11	CITY REVIEW SET	10/11/2019



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SHEET TITLE
ELECTRICAL SITE PLAN

SHEET NUMBER
ESO-01

A B C D E F G H I J K L M

LANDSCAPING PLAN

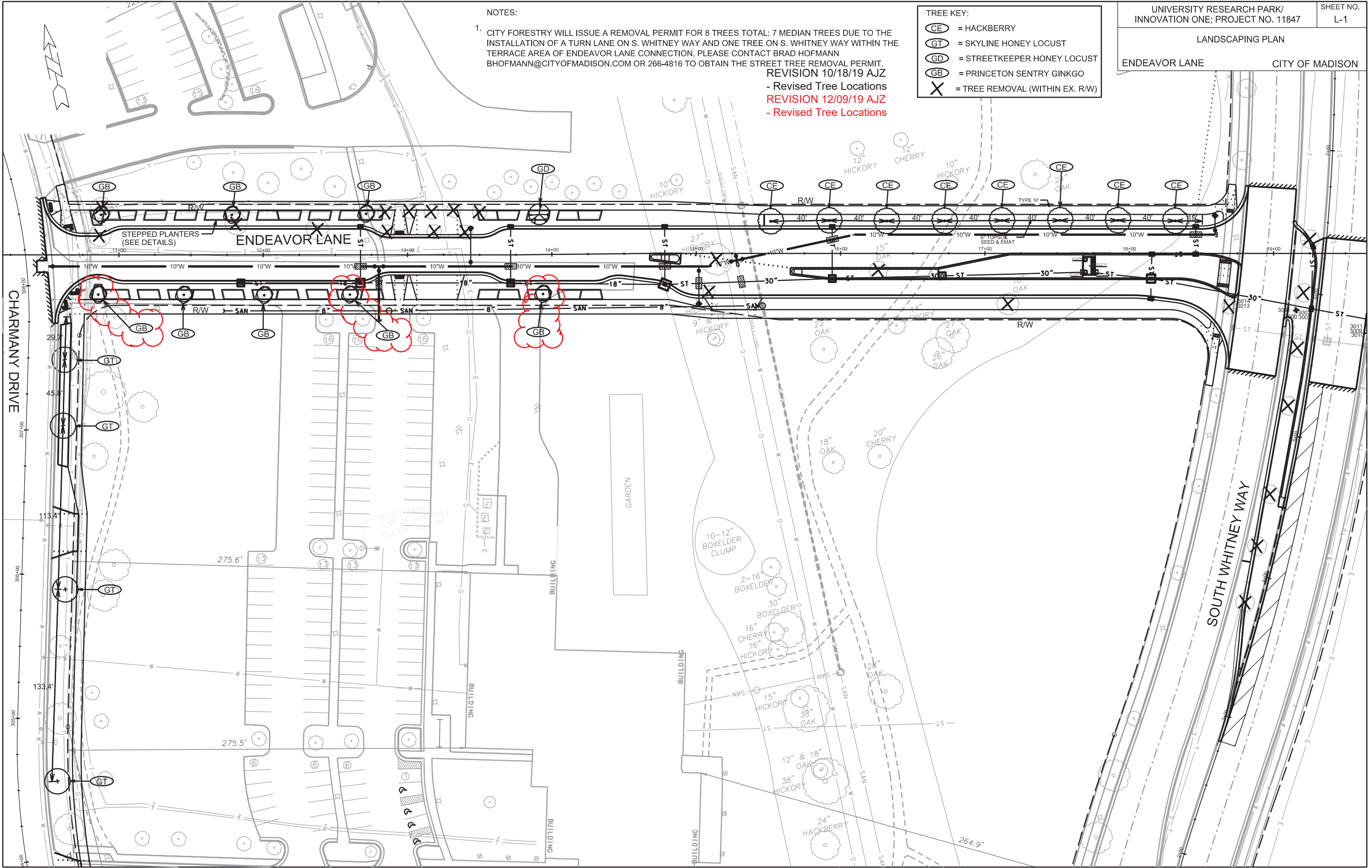
ENDEAVOR LANE CITY OF MADISON

NOTES:

- CITY FORESTRY WILL ISSUE A REMOVAL PERMIT FOR 8 TREES TOTAL: 7 MEDIAN TREES DUE TO THE INSTALLATION OF A TURN LANE ON S. WHITNEY WAY AND ONE TREE ON S. WHITNEY WAY WITHIN THE TERRACE AREA OF ENDEAVOR LANE CONNECTION. PLEASE CONTACT BRAD HOFMANN BHOFMANN@CITYOFMADISON.COM OR 266-4816 TO OBTAIN THE STREET TREE REMOVAL PERMIT.
REVISION 10/18/19 AJZ
 - Revised Tree Locations
REVISION 12/09/19 AJZ
 - Revised Tree Locations

TREE KEY:

- ⊙ = HACKBERRY
- ⊙ = SKYLINE HONEY LOCUST
- ⊙ = STREETKEEPER HONEY LOCUST
- ⊙ = PRINCETON SENTRY GINKGO
- X = TREE REMOVAL (WITHIN EX. R/W)



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

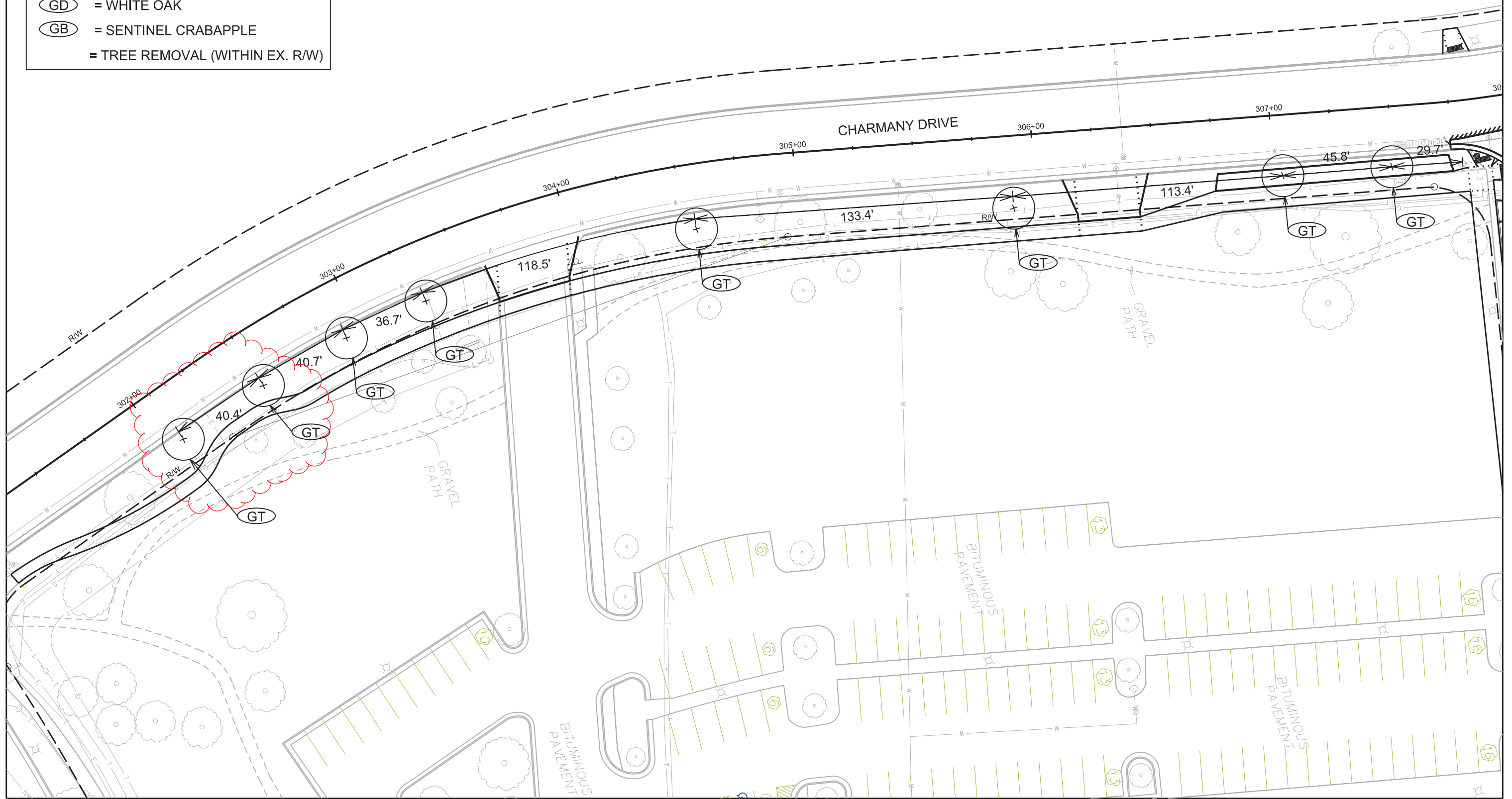
REVISION 6/22/20 AJZ
 - Revised Sidewalk
 Around Tree, Update
 Background

UNIVERSITY RESEARCH PARK/ INNOVATION ONE; PROJECT NO. 11847	SHEET NO. L-2
LANDSCAPING PLAN	
CHARMANY DRIVE	CITY OF MADISON

TREE KEY:

CE	= HACKBERRY
GT	= SKYLINE HONEY LOCUST
GD	= WHITE OAK
GB	= SENTINEL CRABAPPLE
	= TREE REMOVAL (WITHIN EX. RW)

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





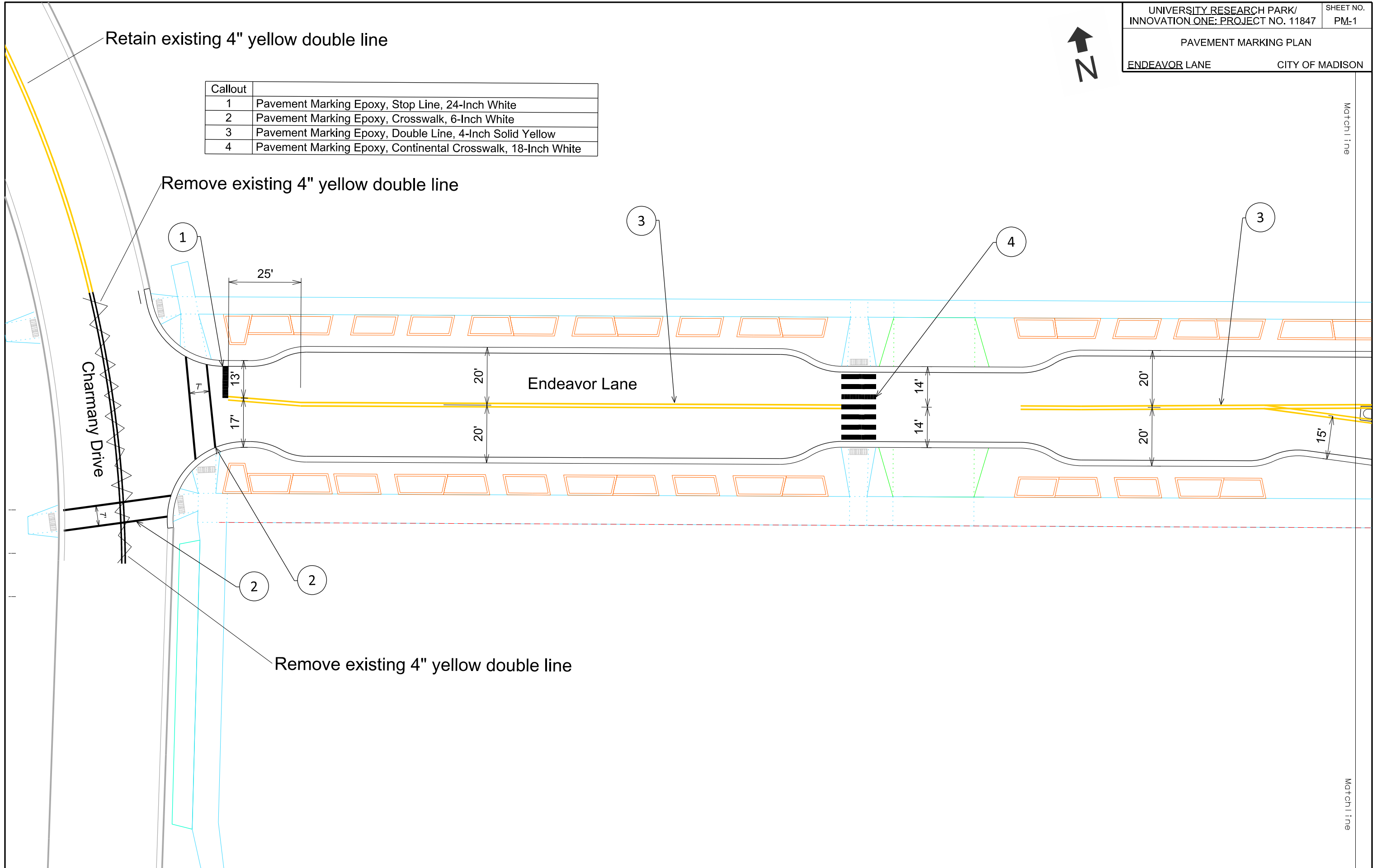
Callout	Description
1	Pavement Marking Epoxy, Stop Line, 24-Inch White
2	Pavement Marking Epoxy, Crosswalk, 6-Inch White
3	Pavement Marking Epoxy, Double Line, 4-Inch Solid Yellow
4	Pavement Marking Epoxy, Continental Crosswalk, 18-Inch White

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Retain existing 4" yellow double line

Remove existing 4" yellow double line

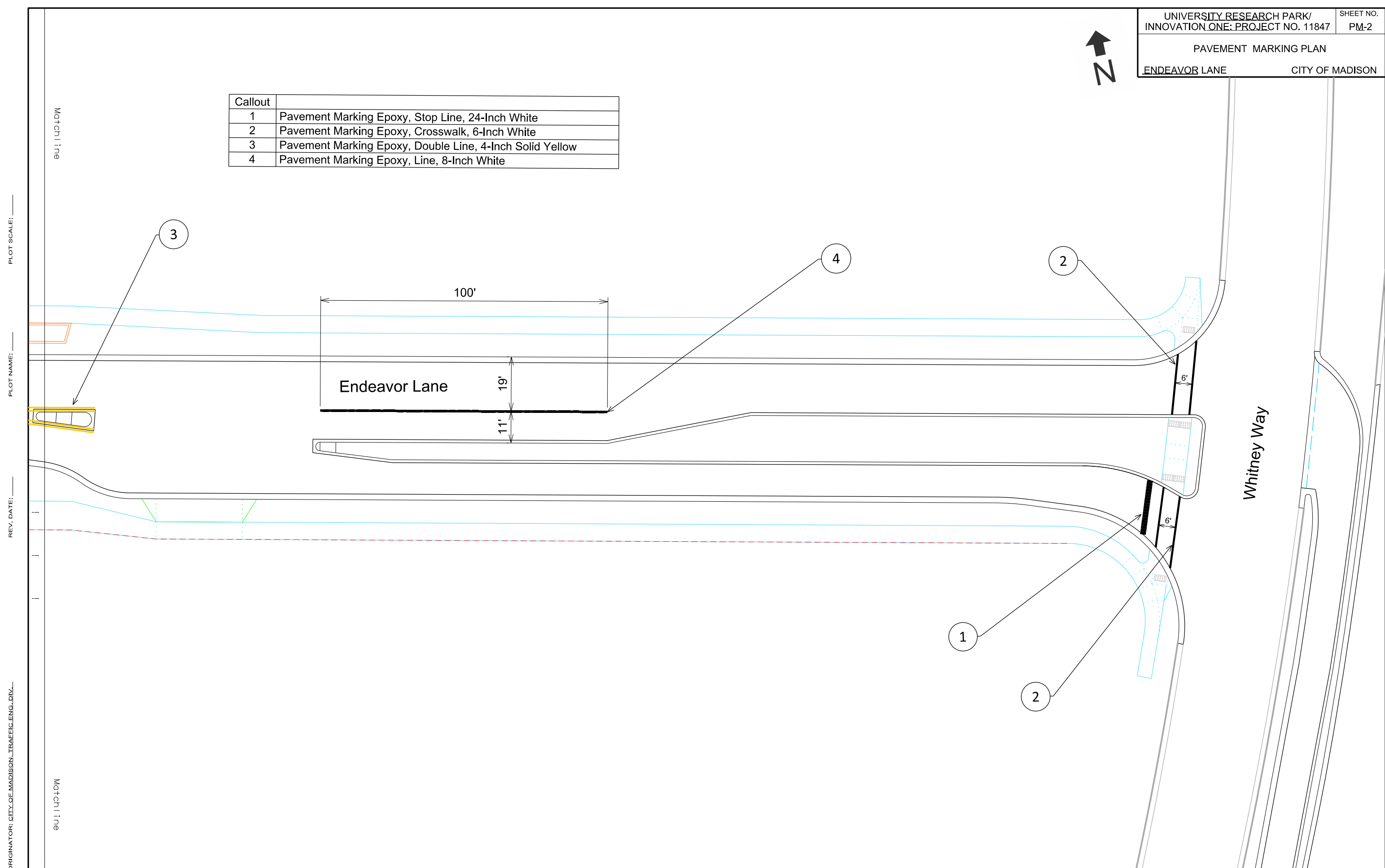
Remove existing 4" yellow double line

Match line

Match line



Callout	Description
1	Pavement Marking Epoxy, Stop Line, 24-Inch White
2	Pavement Marking Epoxy, Crosswalk, 6-Inch White
3	Pavement Marking Epoxy, Double Line, 4-Inch Solid Yellow
4	Pavement Marking Epoxy, Line, 8-Inch White



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.