

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

THE MEADOWLANDS

PHASE 7

INDEX OF SHEETS - STREET GRADES AND GEOMETRICS

SHEET NO.	TITLE
1	NOTES AND DETAILS
D1-D5	BREEZY GRASS WAY
P1-P2	FIELD FLOWER WAY
P3	RESTON HEIGHTS DRIVE
P4	LITTLEMORE DRIVE
P5	O.L. 3 NORTH & SOUTH ALLEYS
P6	

INDEX OF SHEETS - SEWERS

U1-U2	BREEZY GRASS STORM & SANITARY
U3	FIELD FLOWER STORM & SANITARY
U4	RESTON HEIGHTS STORM & SANITARY
U5	LITTLEMORE STORM & SANITARY
U6-U7	SEWER SCHEDULES

INDEX OF SHEETS - WATER

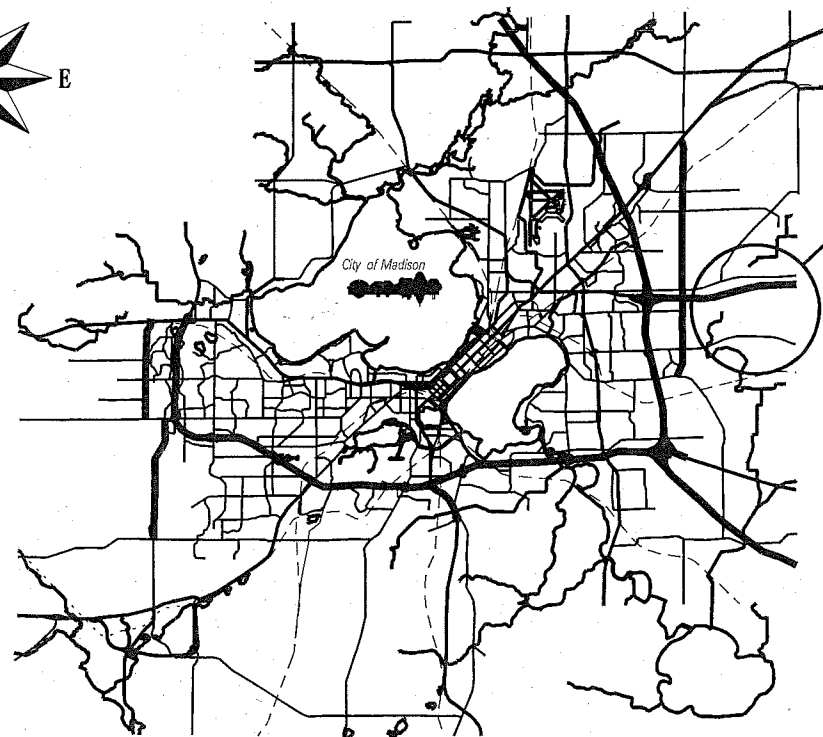
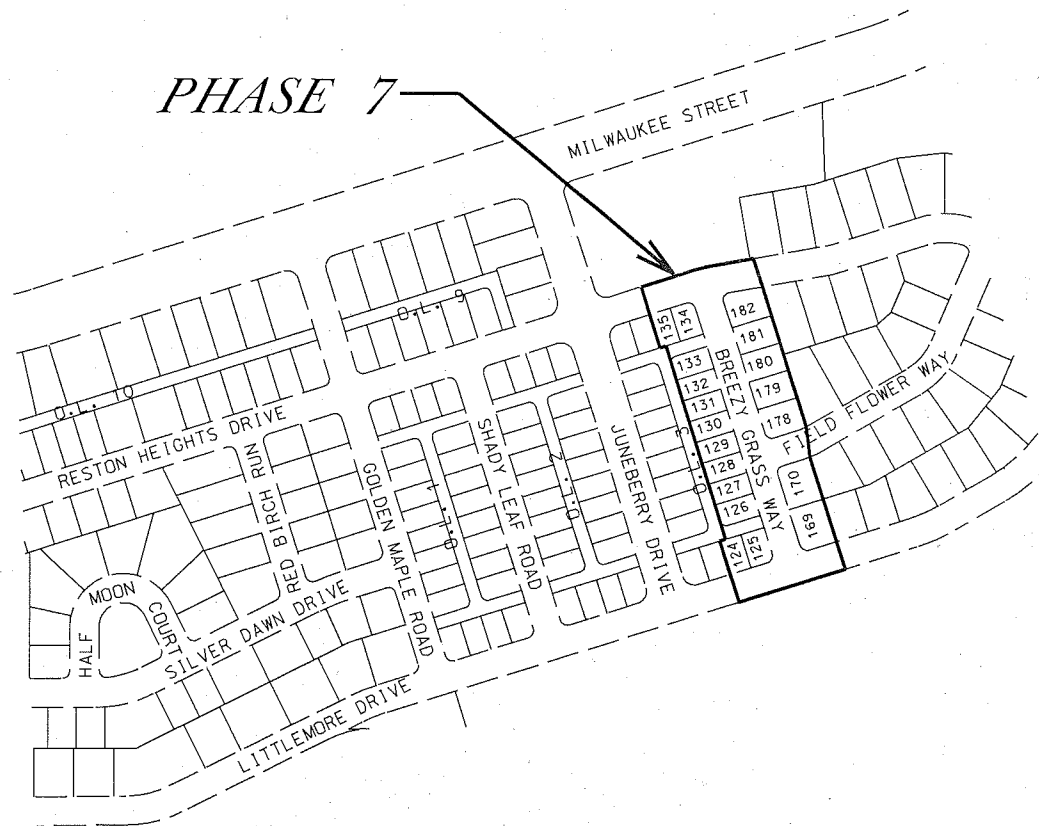
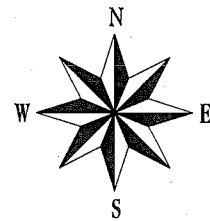
W1	RESTON HEIGHTS WATER
W2-W3	BREEZY GRASS WATER
W4	FIELD FLOWER WATER
W5	LITTLEMORE WATER
W6	WATER MATERIALS
W7	WATER IMPACT PLAN

BREEZY GRASS WAY, FIELD FLOWER WAY, RESTON HEIGHTS DRIVE,
LITTLEMORE DRIVE & OUTLOT 3 NORTH & SOUTH ALLEYS

CITY PROJECT NO. 53B2415

MUNIS NO. 10288

CONTRACT NO. 2415

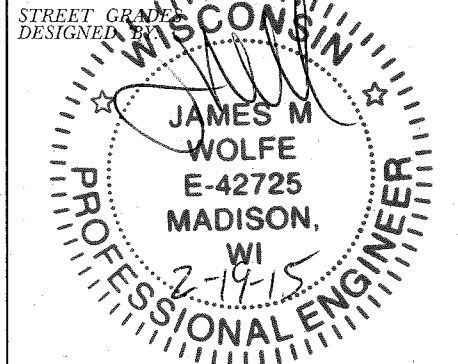


PROJECT
LOCATION

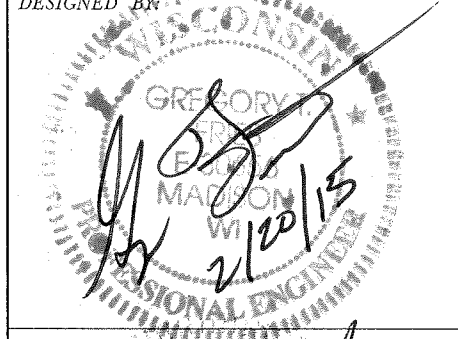
PUBLIC IMPROVEMENT PROJECT APPROVED
FEBRUARY 24, 2015
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

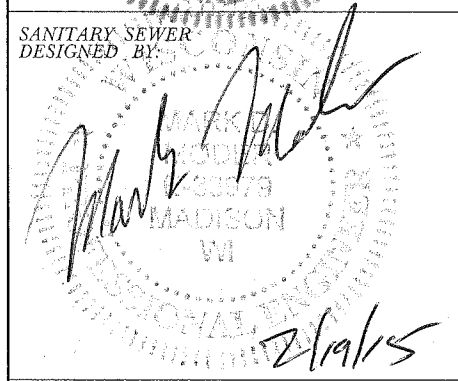
[Signature] 2/20/15
City Engineer Date



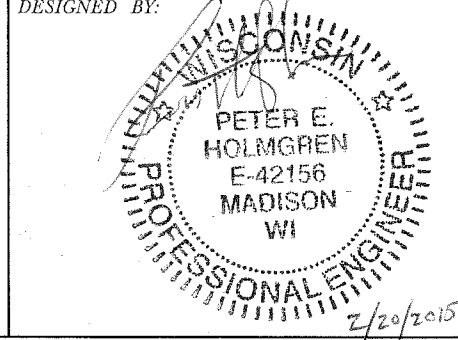
STORM SEWER AND DITCHING
DESIGNED BY:



SANITARY SEWER
DESIGNED BY:



WATER DISTRIBUTION
DESIGNED BY:



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 SATURN DRIVE RIGHT-OF-WAY SHALL BE TYPE "B"; ALL OTHER PAVEMENT SHALL BE TYPE "A" PER STANDARD DETAIL DRAWING 4.02.

ALL ISLANDS SHALL HAVE TYPE "H" C & G PER S.D.D. 3.08 AND MOUNTABLE NOSES PER S.D.D. 3.13. ALL OTHER C & G SHALL BE TYPE "A" PER S.D.D. 3.06 UNLESS OTHERWISE NOTED.

ISLAND INTERIORS SHALL BE OF SOD WHERE THE BACK TO BACK OF CURB DIMENSION IS GREATER THAN 6'.

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.

PAVEMENT CROSS SLOPES SHALL BE 2%, TERRACES SHALL SLOPE AT A 4% GRADE TOWARD THE GUTTER, SHOULDERS SHALL HAVE A 4% CROSS SLOPE AND CROSS SLOPES FORMING DITCHES SHALL NOT EXCEED 4.00:1 UNLESS OTHERWISE INDICATED.

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. A 2 FOOT WIDE CONCRETE FLUME SHALL BE INSTALLED BETWEEN THE SIDEWALK AND THE BACK OF CURB AT SIDEWALK LOW POINTS WHICH CANNOT OTHERWISE BE DRAINED DIRECTLY TO THE GUTTER. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4.00:1. THE DESIGN OF SIDEWALK ELEVATIONS AND GRADES IS NOT INCLUDED IN THIS PLAN. 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.

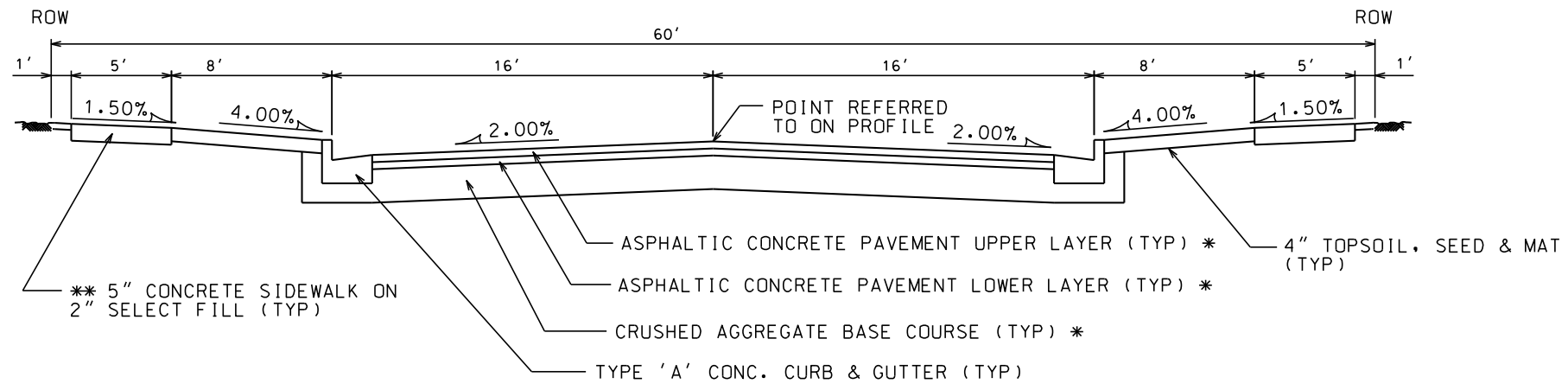
PLOT SCALE: _____

PLOT NAME: _____

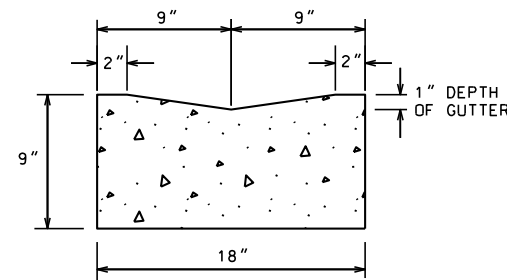
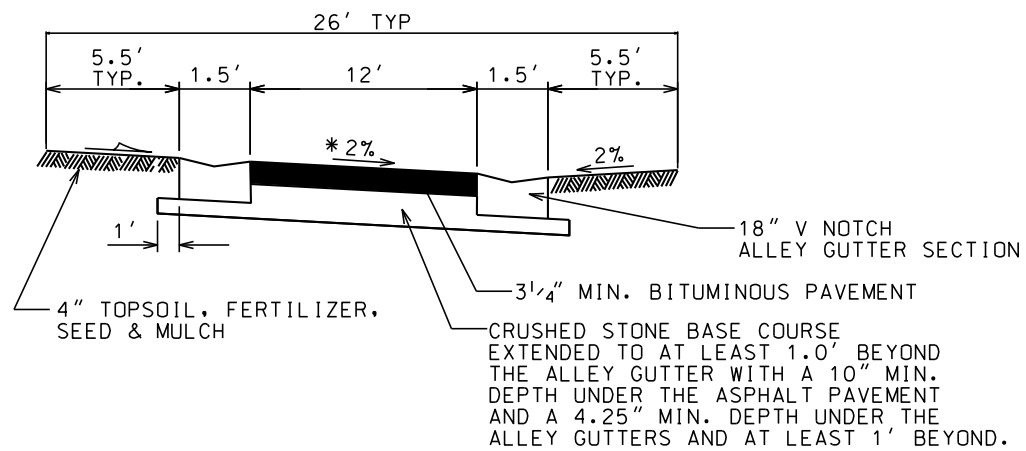
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

TYPICAL STREET SECTION



TYPICAL ALLEY SECTION



ALLEY GUTTER DETAIL

NOTES:

* A PAVEMENT DESIGN IN ACCORDANCE WITH STANDARD DETAIL DRAWING 4.06 IS REQUIRED ON ALL PROJECTS

**3" OF CRUSHED AGGREGATE BASE COURSE GRADATION 3 SHALL BE PLACED UNDER THE SIDEWALK WHERE THE CENTERLINE GRADE OF THE STREET EXCEEDS 5%

* SEE ARROWS ON PLAN PAVEMENT FOR DIRECTION OF CROSS SLOPE.

HORIZONTAL ALIGNMENT NOTE
EDGE OF PAVEMENT RADIUS SHALL NOT BE LESS THAN 25 FEET

CURBS SHALL HAVE A MINIMUM 0.5% LONGITUDINAL GRADE TOWARD INLETS.

ALL STORM WATER SHALL BE COLLECTED BY STORM SEWER INLETS PRIOR TO FLOWING OVER PRIVATE PROPERTY OR SIDEWALKS.

THE EDGE OF ALLEY PAVEMENT SHALL NOT BE CLOSER THAN 7.0' TO THE PROPERTY LINE AT ANY POINT.

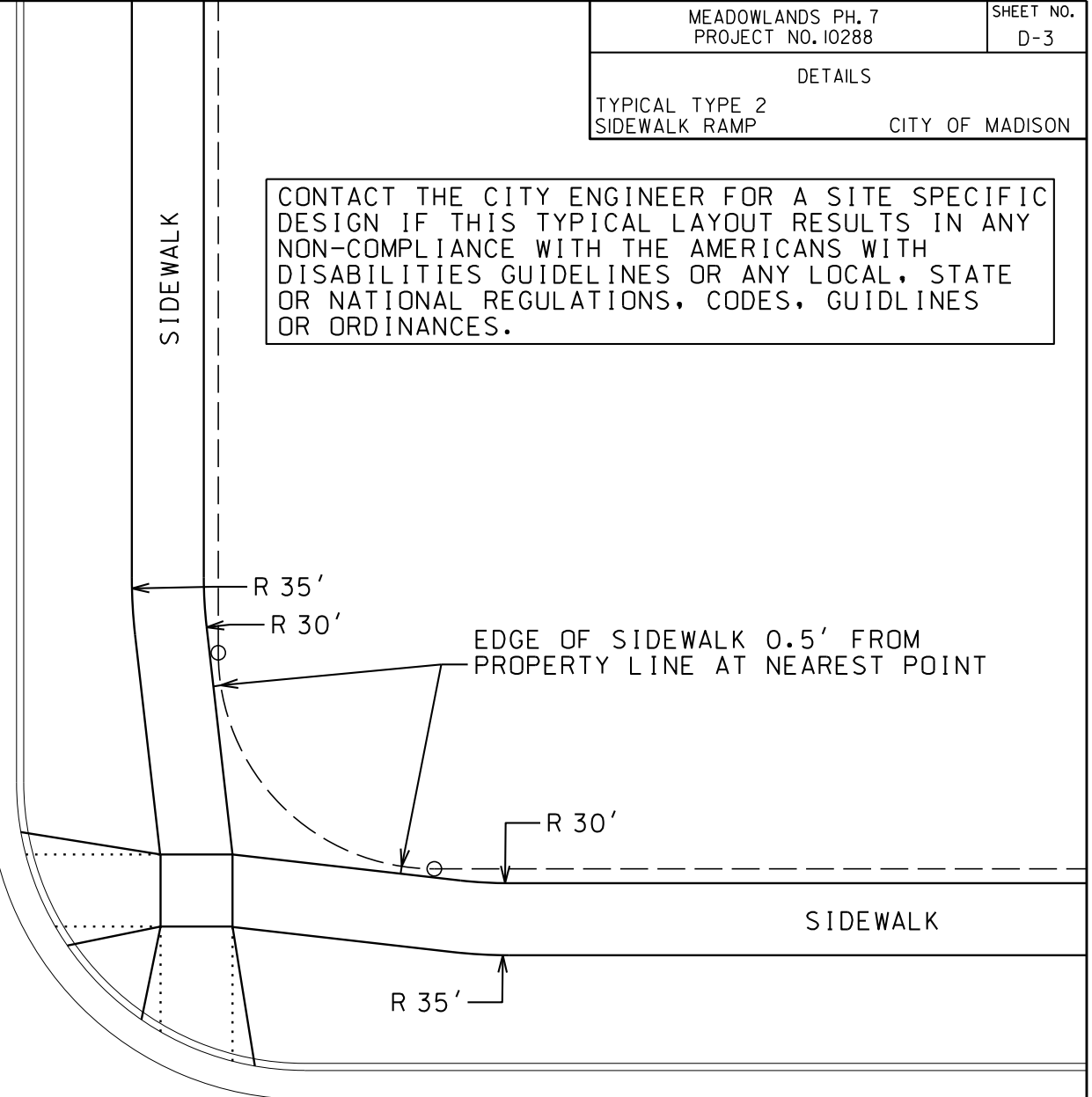
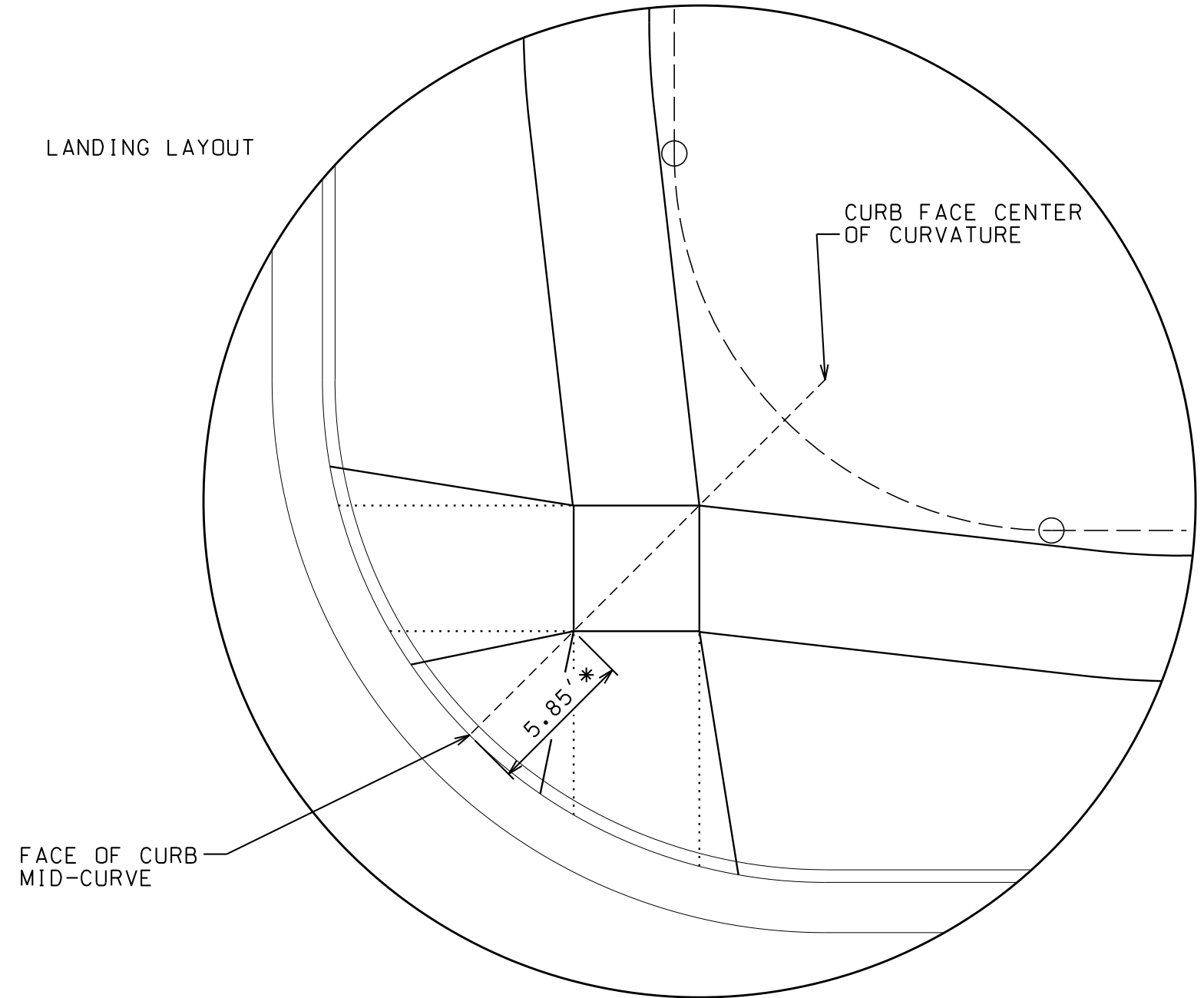
* CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGGREGATE 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	2.25"	E-1	2.00"
C	6"	4"	E-3	3.25"	E-3	2.00"

ANY SIDEWALK ELEVATIONS INDICATED ON THE PLAN NEAR THE RAMPS ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION. ACTUAL SIDEWALK AND RAMP ELEVATIONS SHALL BE DETERMINED BASED ON THE AS BUILT ELEVATIONS OF THE CURB AND GUTTER.

CONTACT THE CITY ENGINEER FOR A SITE SPECIFIC DESIGN IF THIS TYPICAL LAYOUT RESULTS IN ANY NON-COMPLIANCE WITH THE AMERICANS WITH DISABILITIES GUIDELINES OR ANY LOCAL, STATE OR NATIONAL REGULATIONS, CODES, GUIDLINES OR ORDINANCES.

LANDING LAYOUT



* THE NEAR CORNER OF THE LANDING SHALL BE 5.85' FROM THE FACE OF CURB, UNLESS SPECIFIED OTHERWISE ON THE PLAN. BOTH OPPOSITE CORNERS OF THE LANDING SHALL BE LOCATED ON THE FACE OF CURB RADIUS LINE WHICH PASSES THROUGH THE MIDPOINT OF THE CURB CURVATURE.

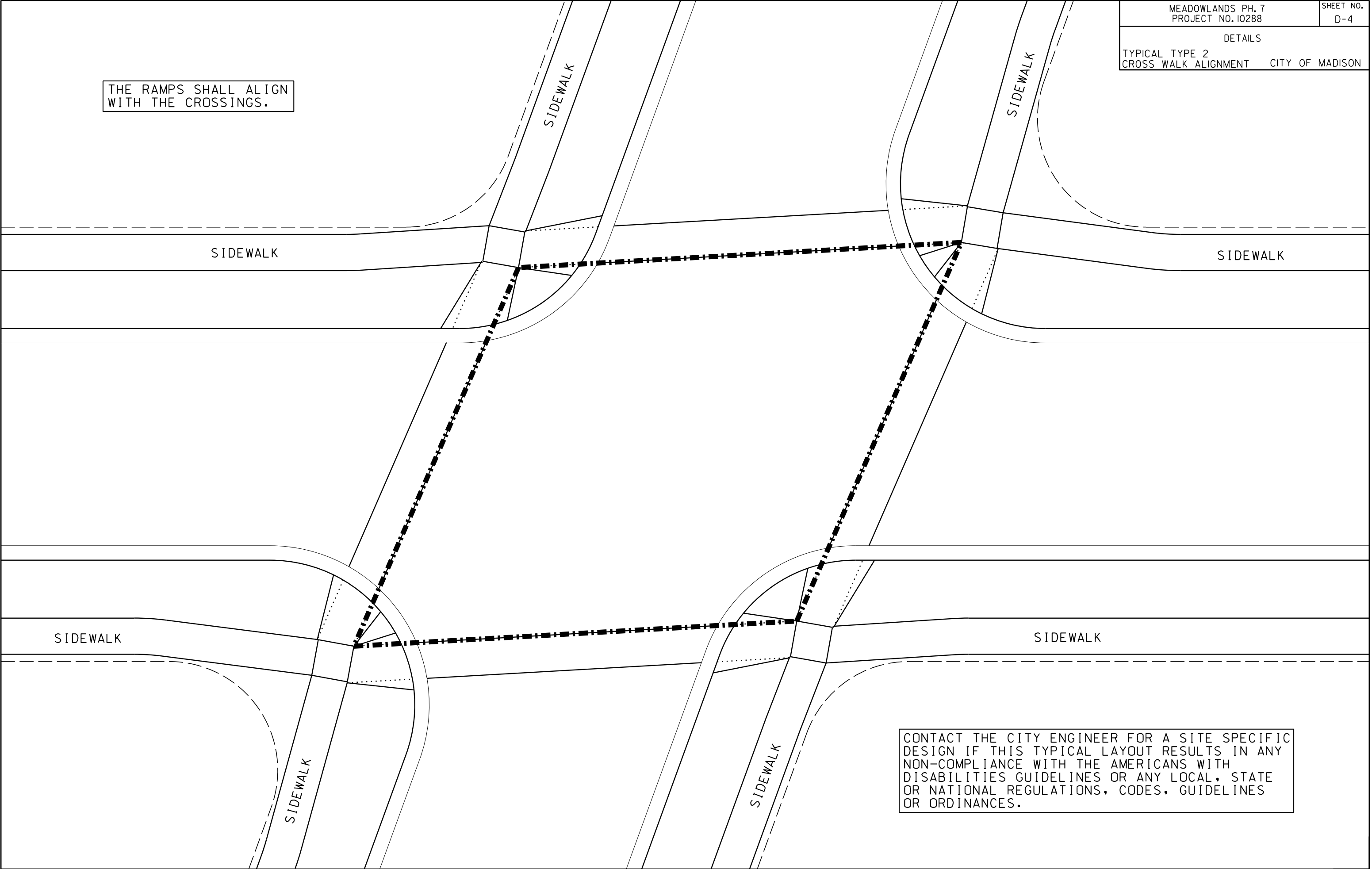
LONGITUDINAL RAMP GRADES SHALL NOT EXCEED 1"/12" NOR BE LESS THAN 2.0% AT ANY POINT. THIS NOTE SHALL TAKE PRECEDENCE OVER ANY ELEVATION OR GRADE INDICATED ON THE PLAN.

SIDEWALK LONGITUDINAL GRADES AT ALL LOCATIONS OTHER THAN RAMPS AND WHERE STREET GRADES ARE MORE THAN 5.0% SHALL NOT EXCEED 5.0%. WHERE STREET GRADES EXCEED 5.0%, THE SIDEWALK LONGITUDINAL GRADE SHALL NOT EXCEED THE STREET GRADE.

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

THE RAMPS SHALL ALIGN WITH THE CROSSINGS.



CONTACT THE CITY ENGINEER FOR A SITE SPECIFIC DESIGN IF THIS TYPICAL LAYOUT RESULTS IN ANY NON-COMPLIANCE WITH THE AMERICANS WITH DISABILITIES GUIDELINES OR ANY LOCAL, STATE OR NATIONAL REGULATIONS, CODES, GUIDELINES OR ORDINANCES.

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

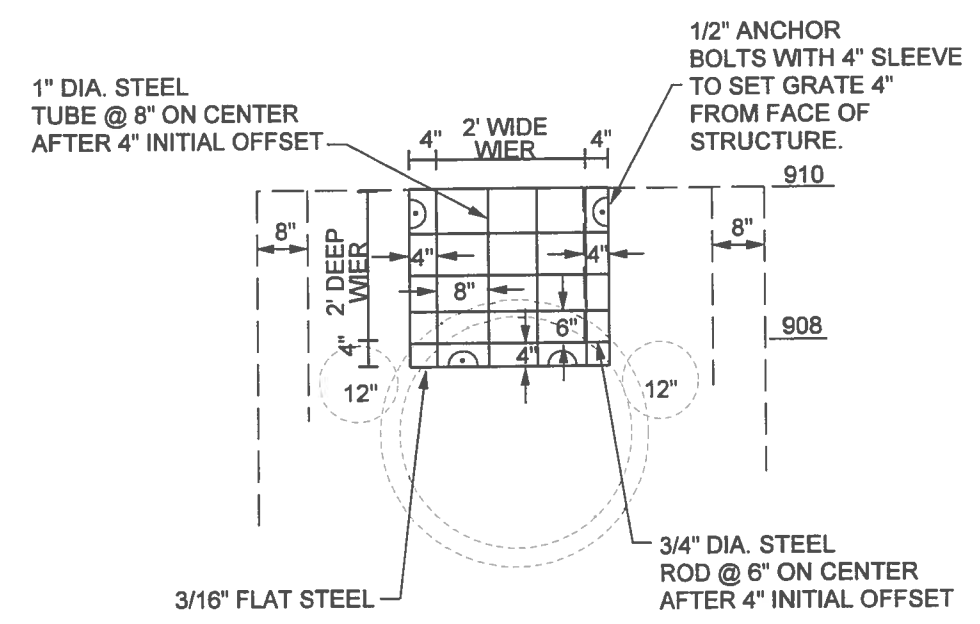
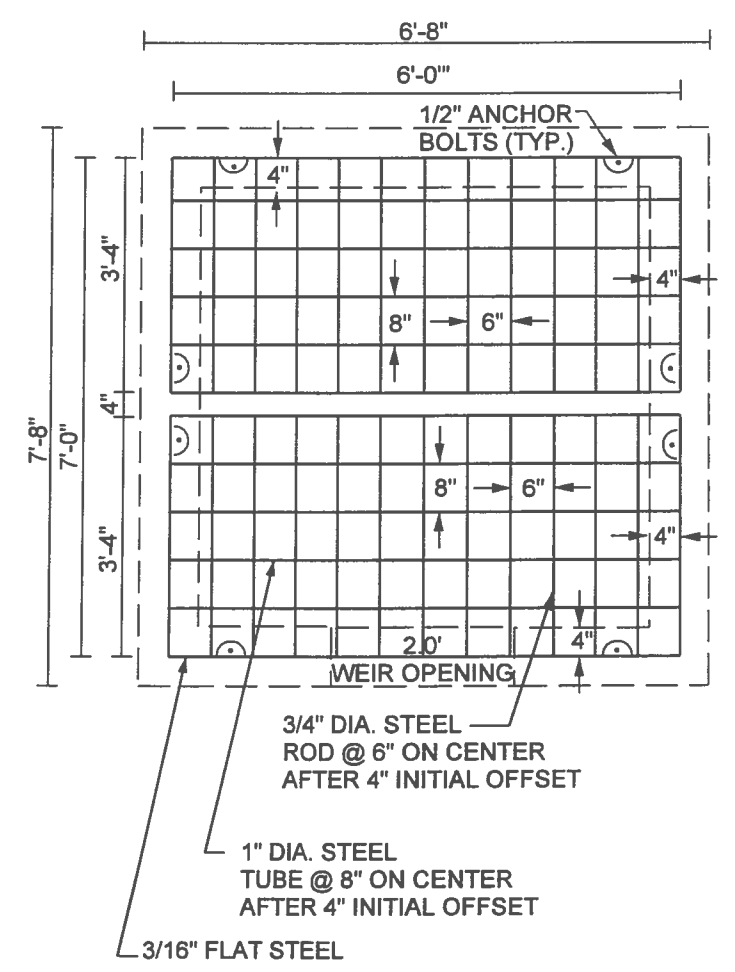
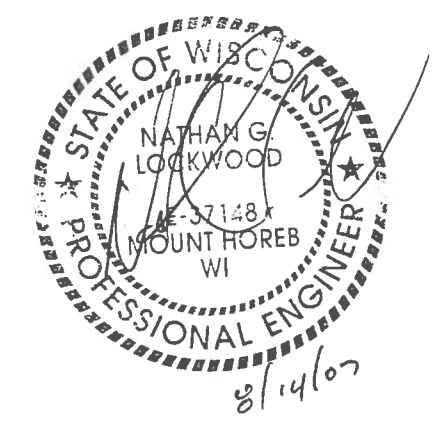
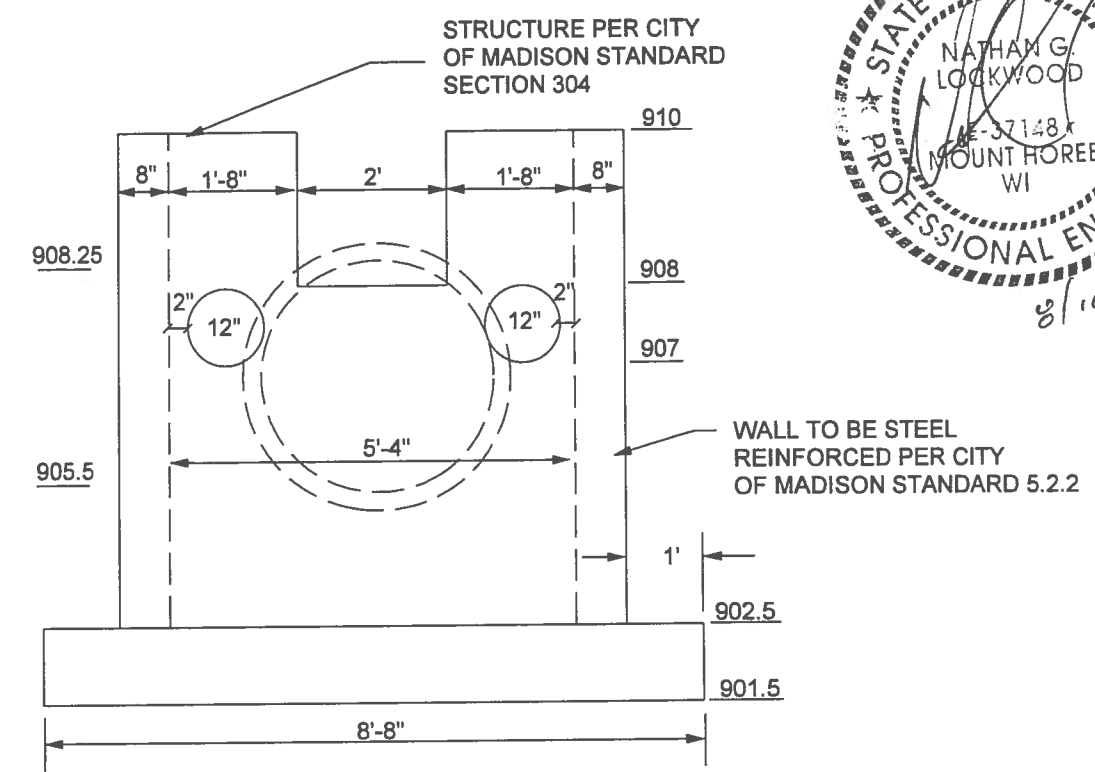
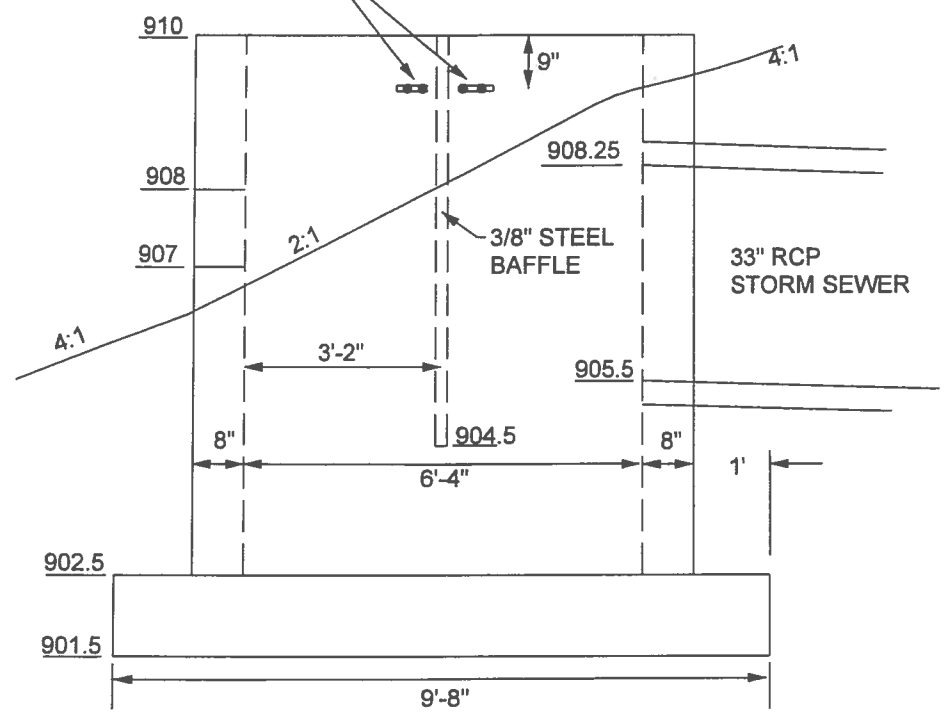
FN: 03-05-151
SCALE: NONE
DATE: 3-29-04

OUTLOT 8
RELEASE STRUCTURE
MEADOWLANDS
City of Madison,
Dane County, Wisconsin

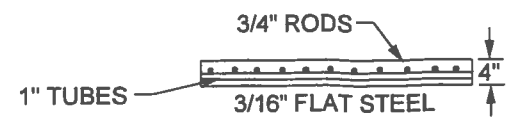
D'ONOFRIO, KOTKE
AND ASSOCIATES, INC.
7510 WESTWARD WAY
MADISON, WISCONSIN 53717
TEL: 608-833-7510
FAX: 608-833-1089



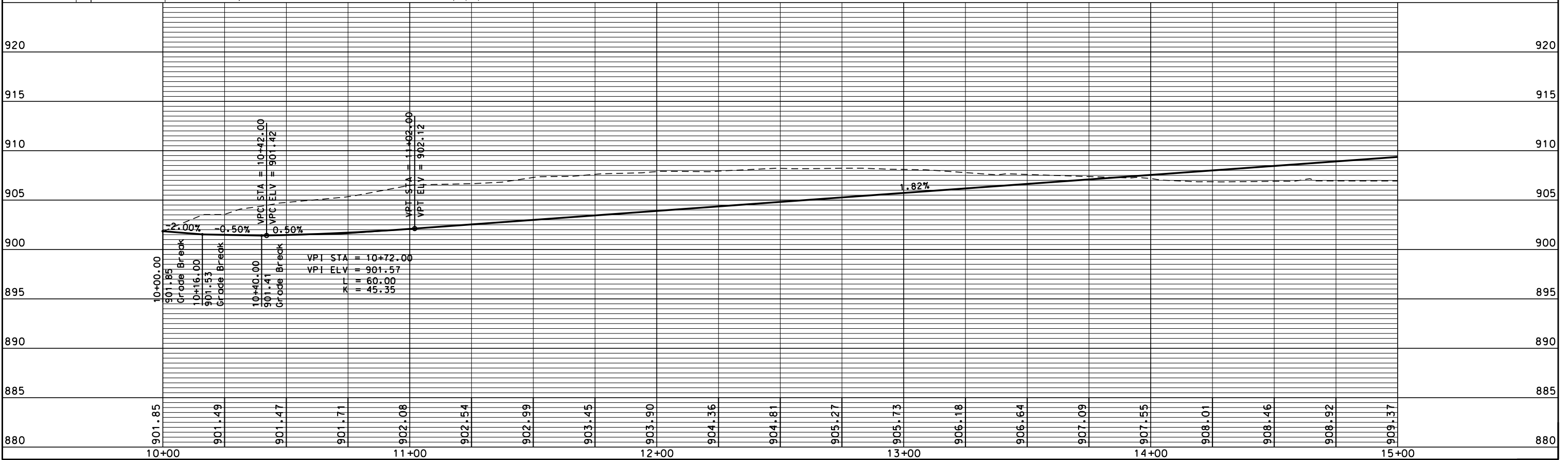
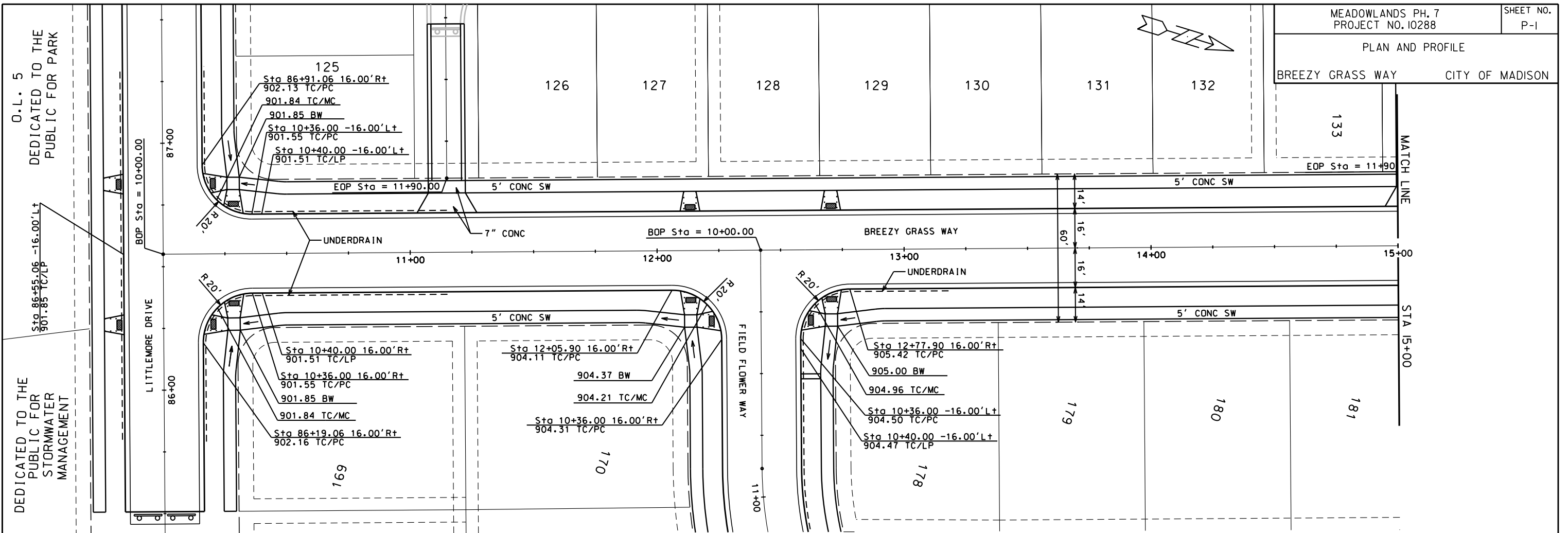
STEEL PLATE TO BE CONNECTED TO WALLS WITH ANGLE IRON. ANGLE IRONS SHALL BE TACK WELDED ON BOTH SIDES OF THE PLATE AND SHALL BE ANCHORED TO THE STRUCTURE AT LEAST 2 TIMES PER ANGLE IRON. THE PREFERRED ANCHOR SHALL BE SUPPLIED BY ANKR-TITE PER THEIR RECOMMENDATION AND SHALL BE EMBEDDED 4" IN LENGTH.



NOTE: PAINTING PER CITY OF MADISON STANDARD 502.11



PLAN AND PROFILE
BREEZY GRASS WAY CITY OF MADISON

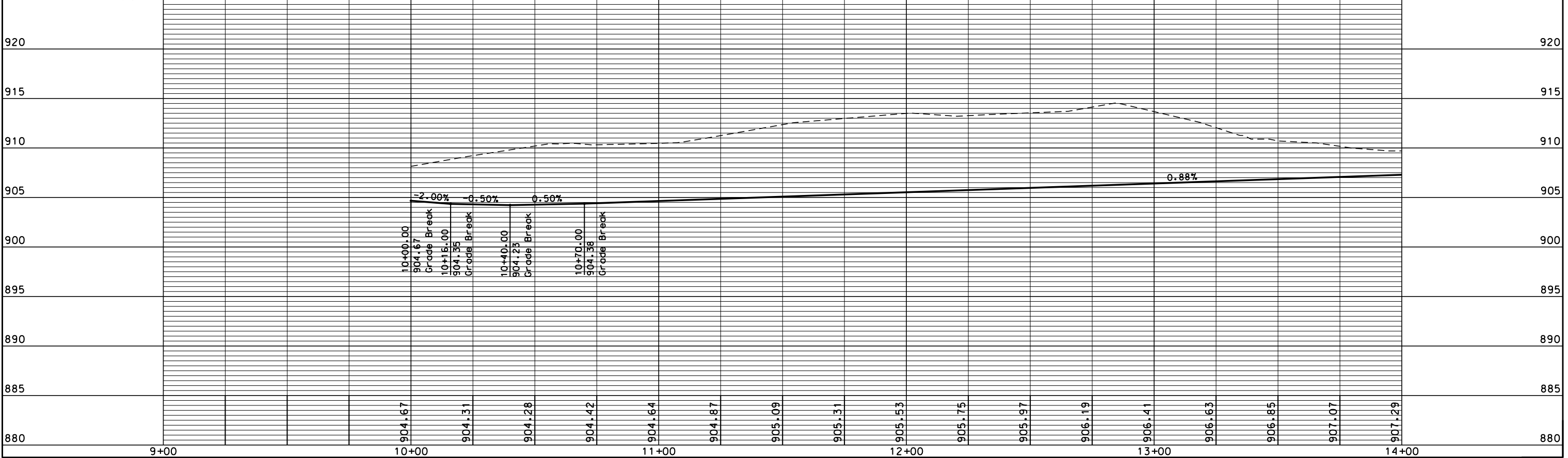
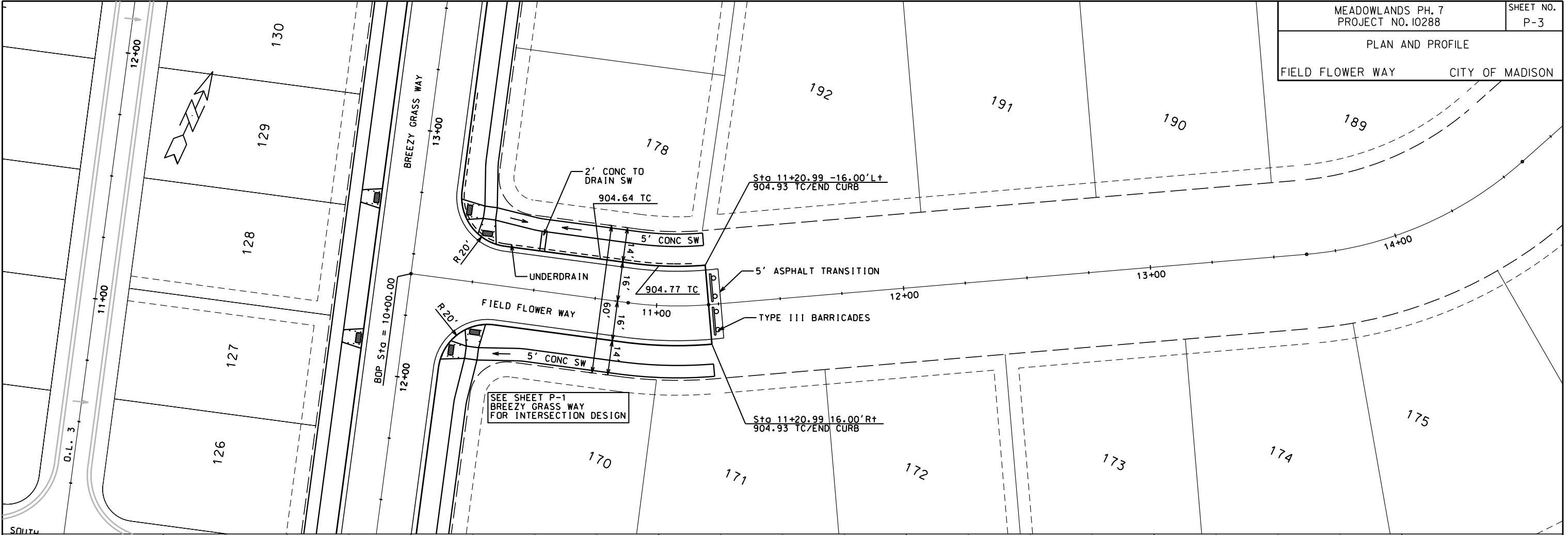


ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT

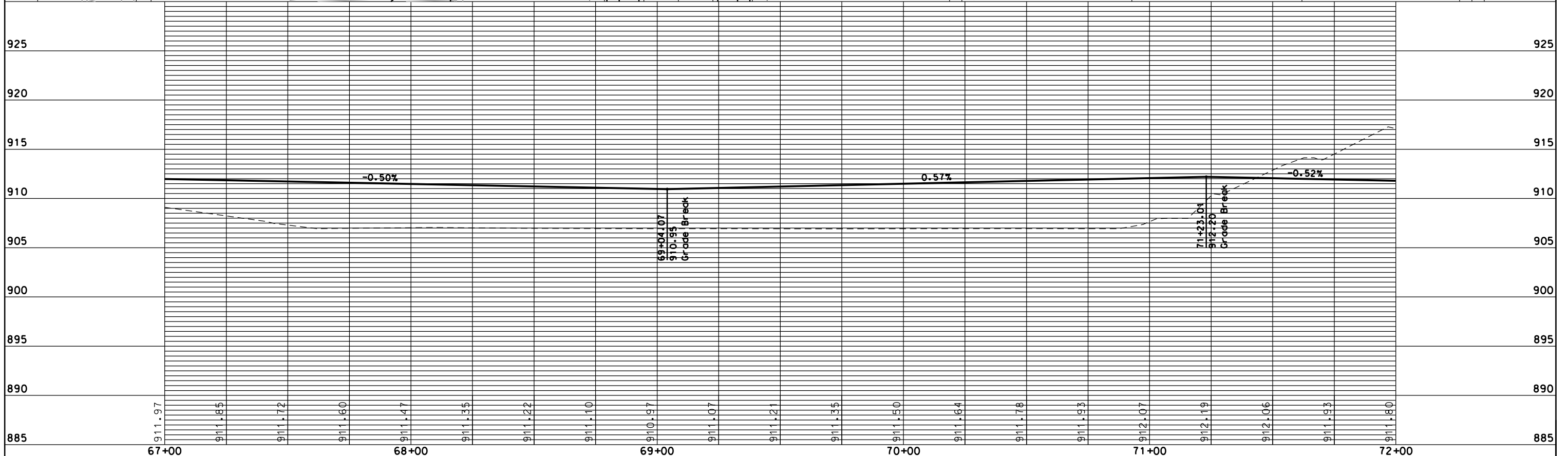
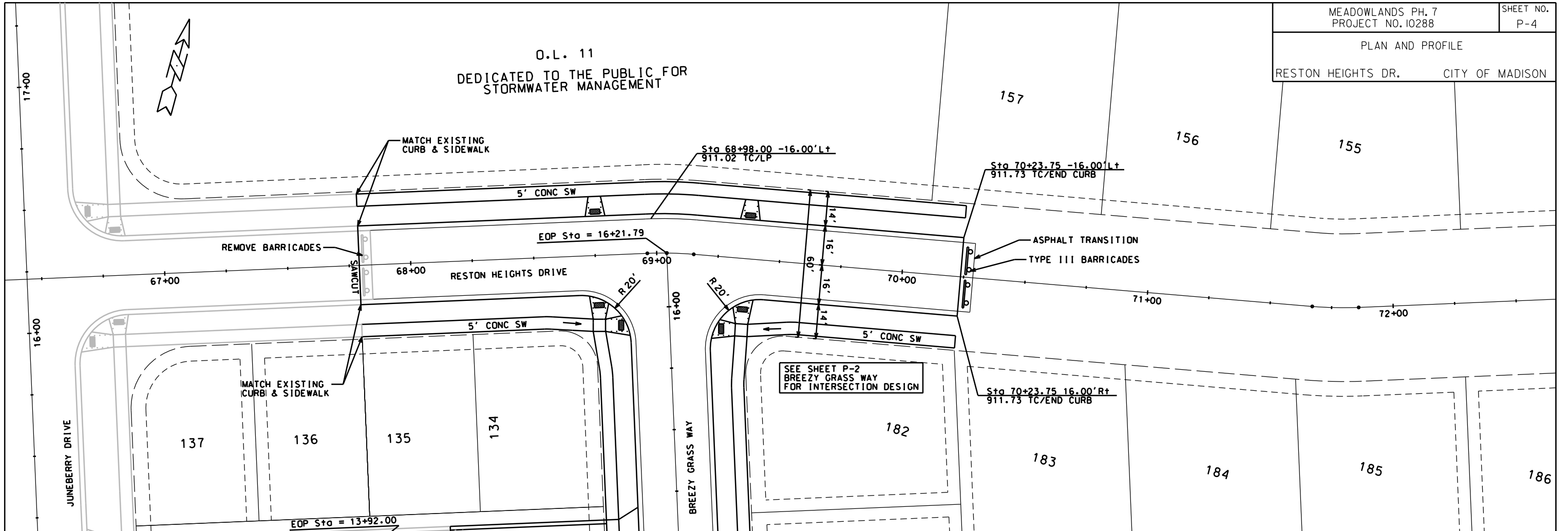
D.L. 5 DEDICATED TO THE PUBLIC FOR PARK



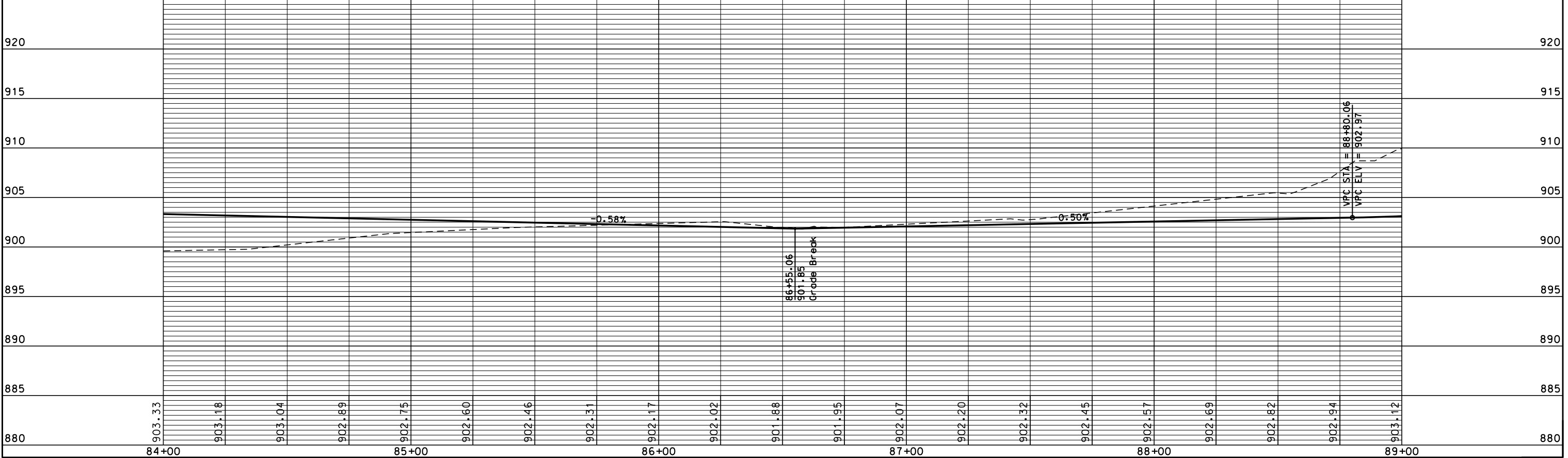
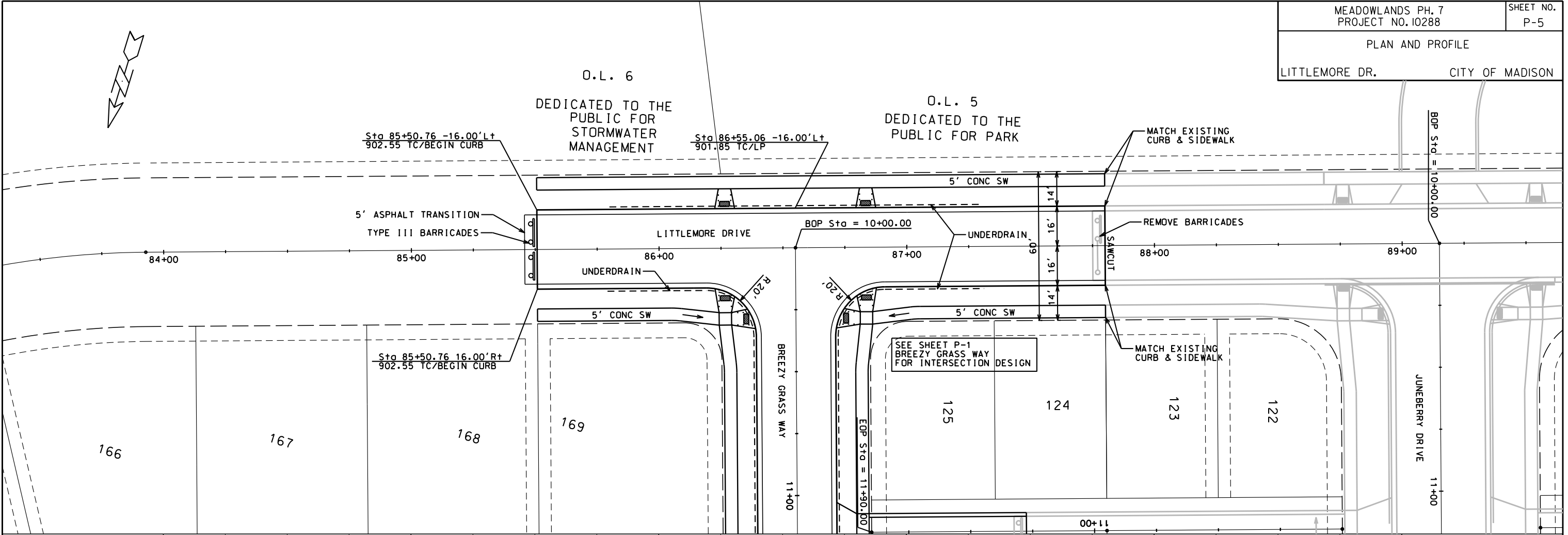
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

O.L. 11
DEDICATED TO THE PUBLIC FOR
STORMWATER MANAGEMENT

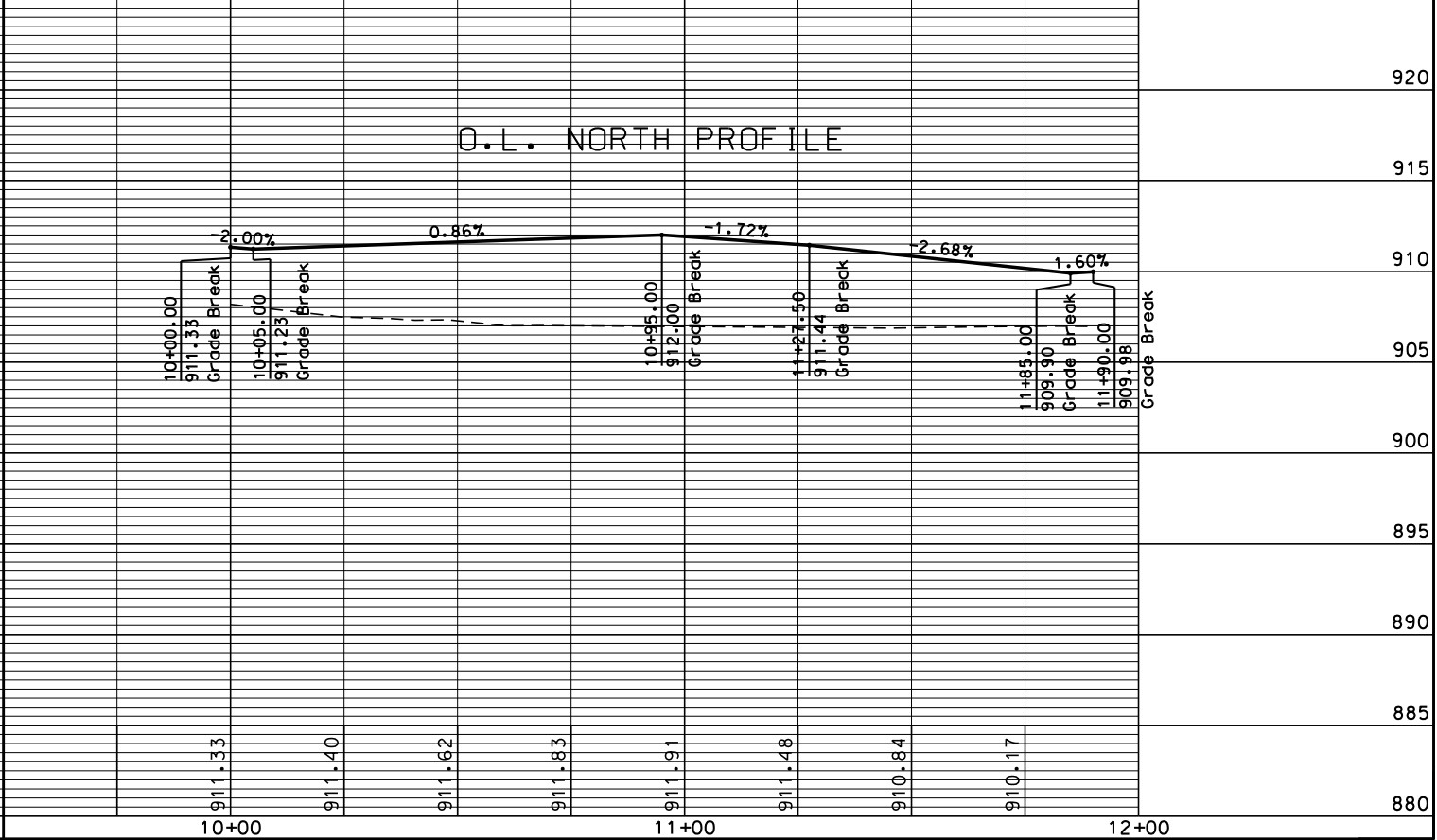
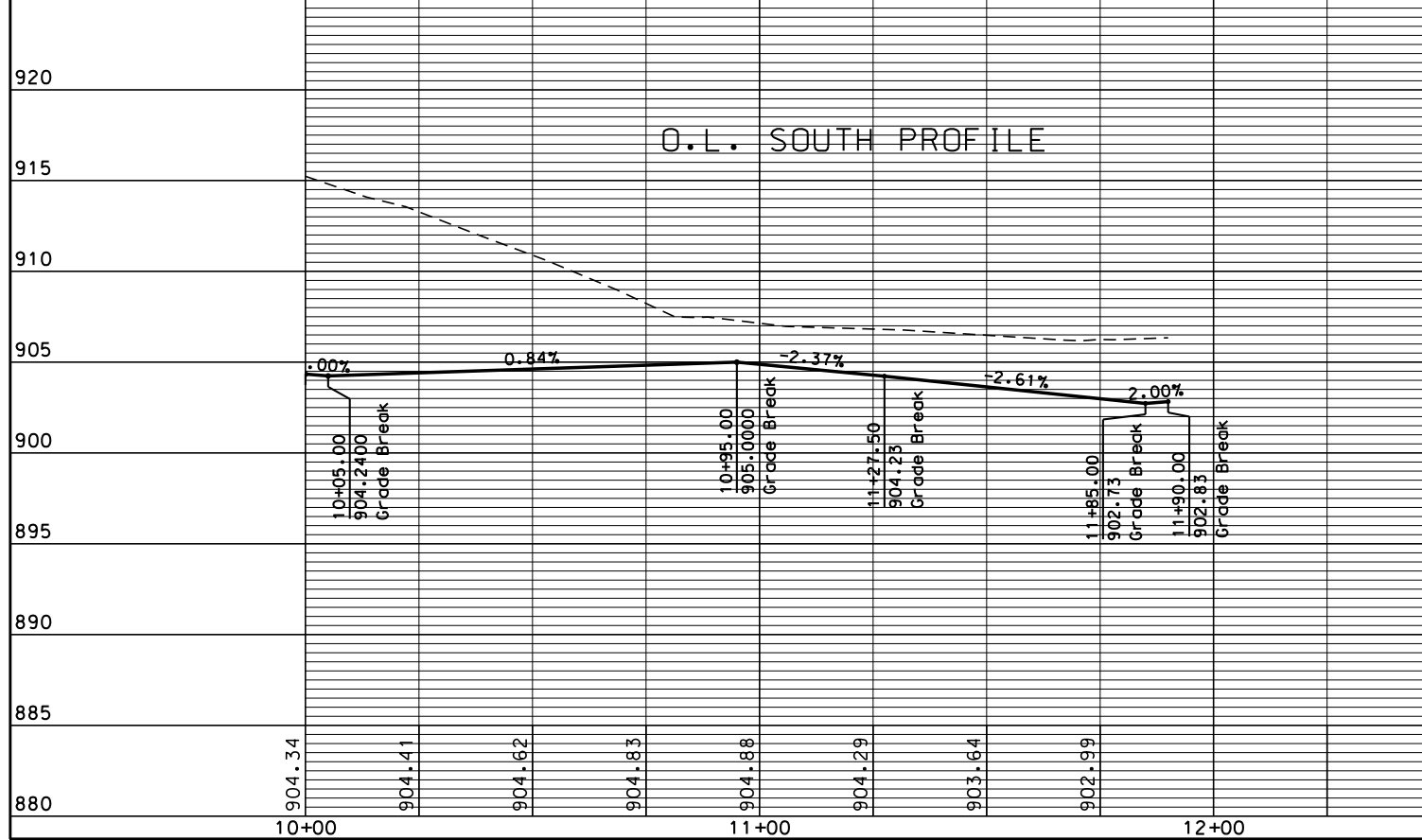
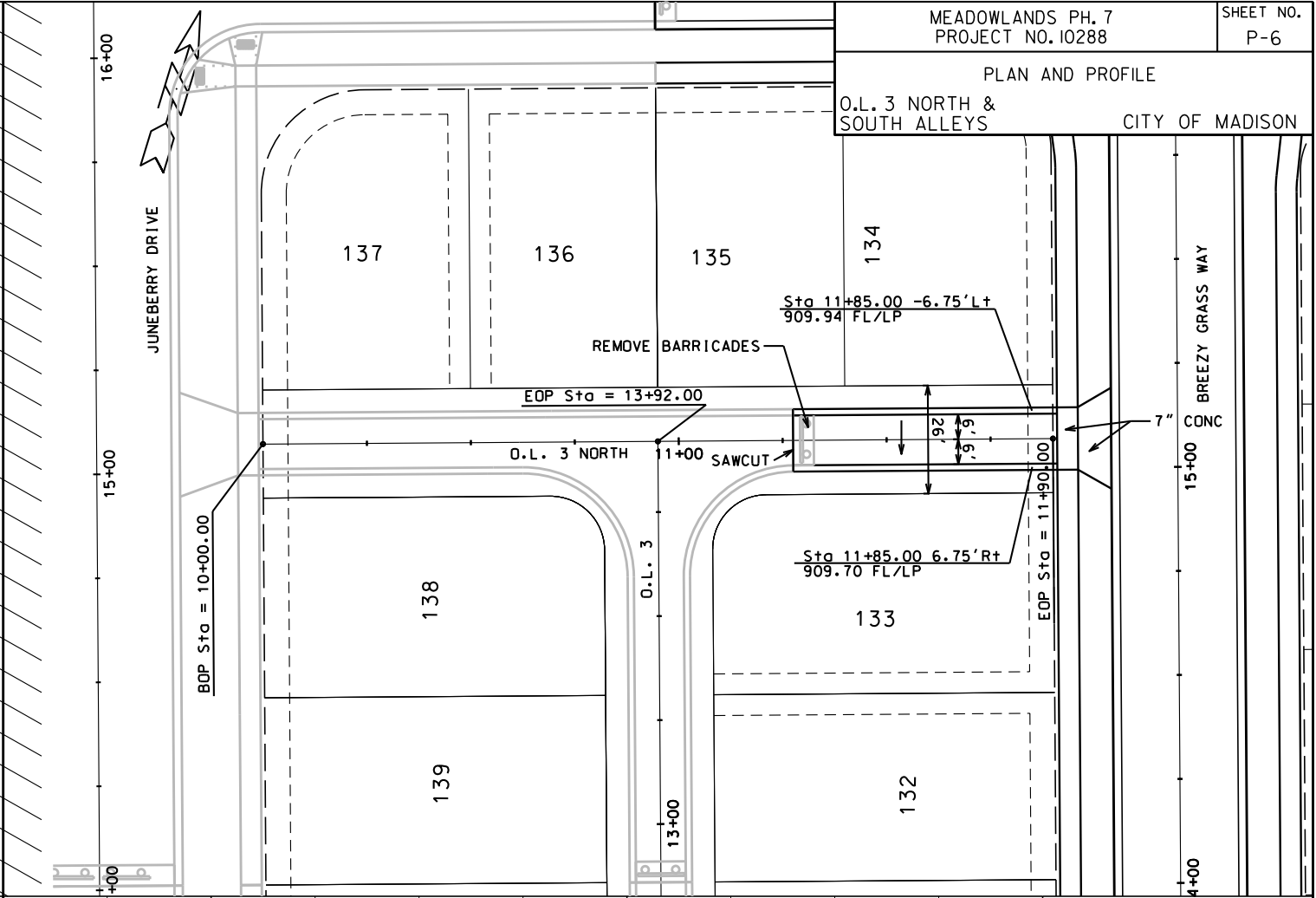
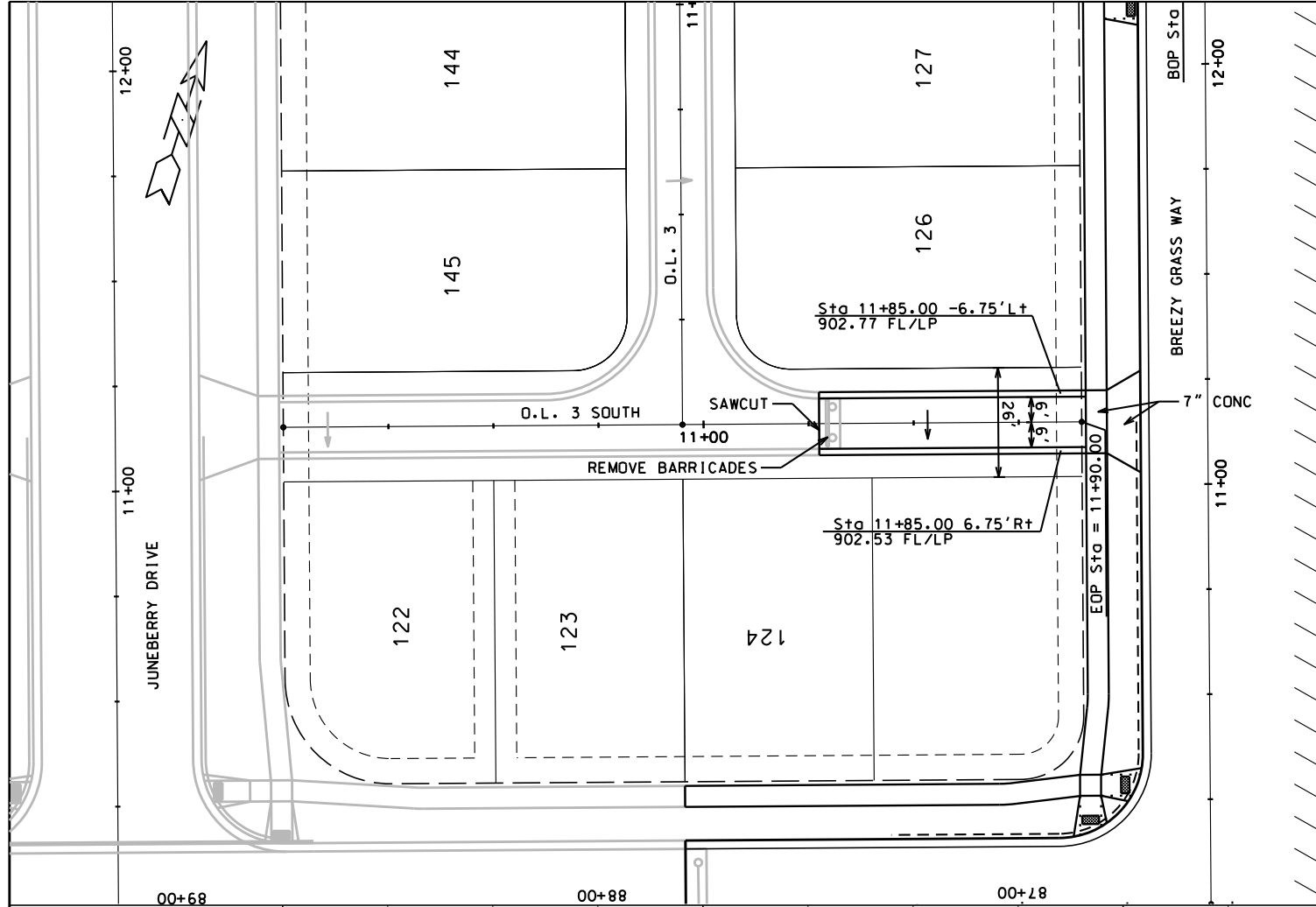


ORIGINATOR: CITY OF MADISON STREETS DIVISION



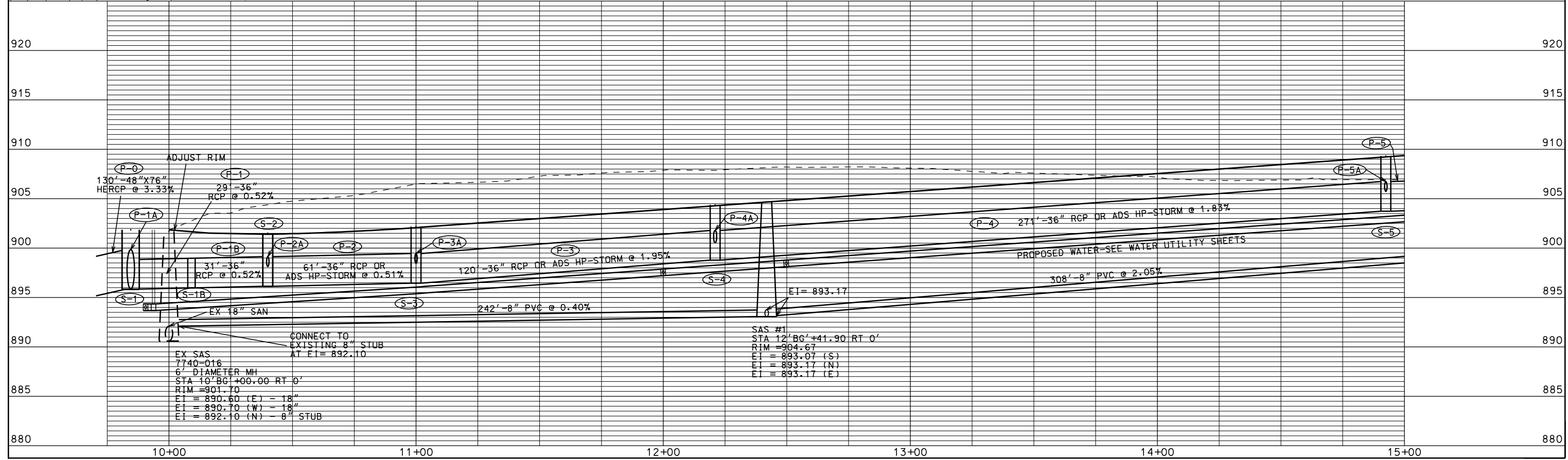
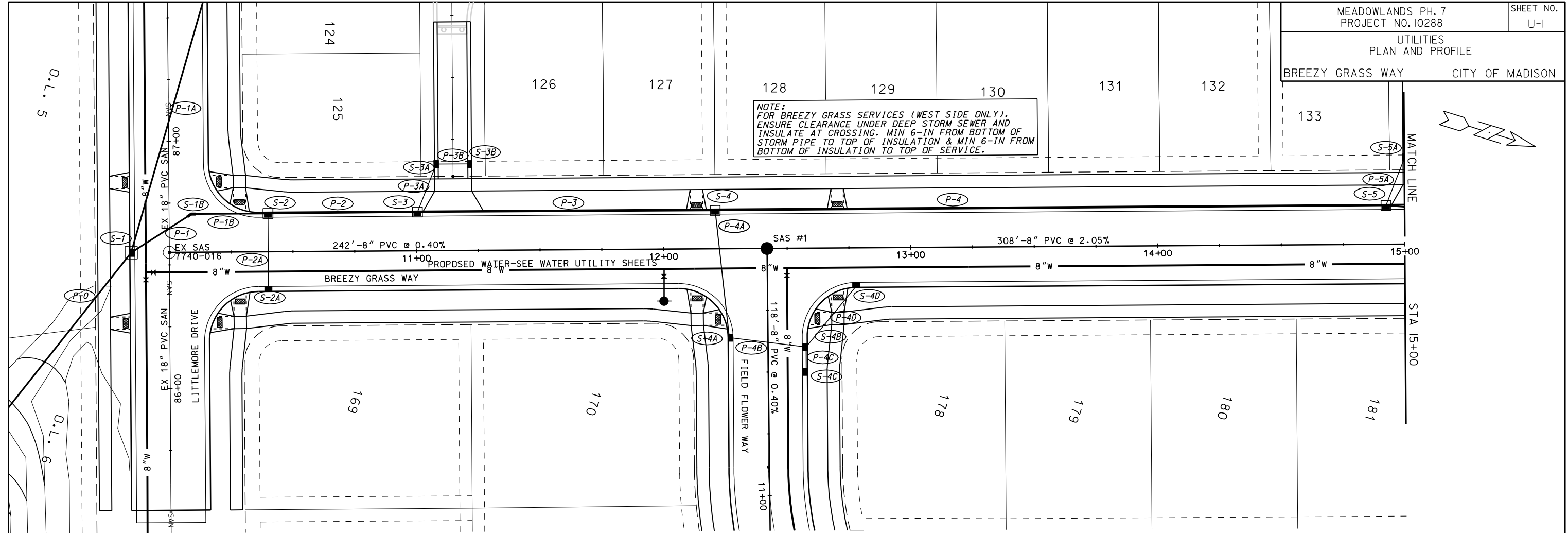
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
O.L. 3 NORTH & SOUTH ALLEYS
CITY OF MADISON



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

NOTE:
FOR BREEZY GRASS SERVICES (WEST SIDE ONLY).
ENSURE CLEARANCE UNDER DEEP STORM SEWER AND
INSULATE AT CROSSING. MIN 6-IN FROM BOTTOM OF
STORM PIPE TO TOP OF INSULATION & MIN 6-IN FROM
BOTTOM OF INSULATION TO TOP OF SERVICE.

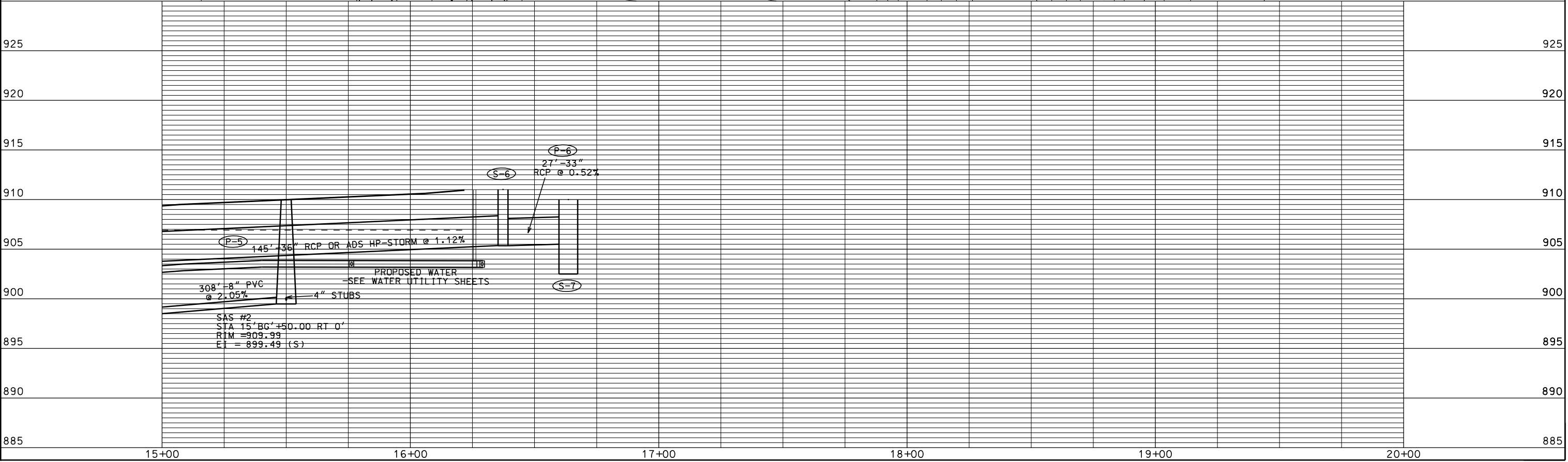
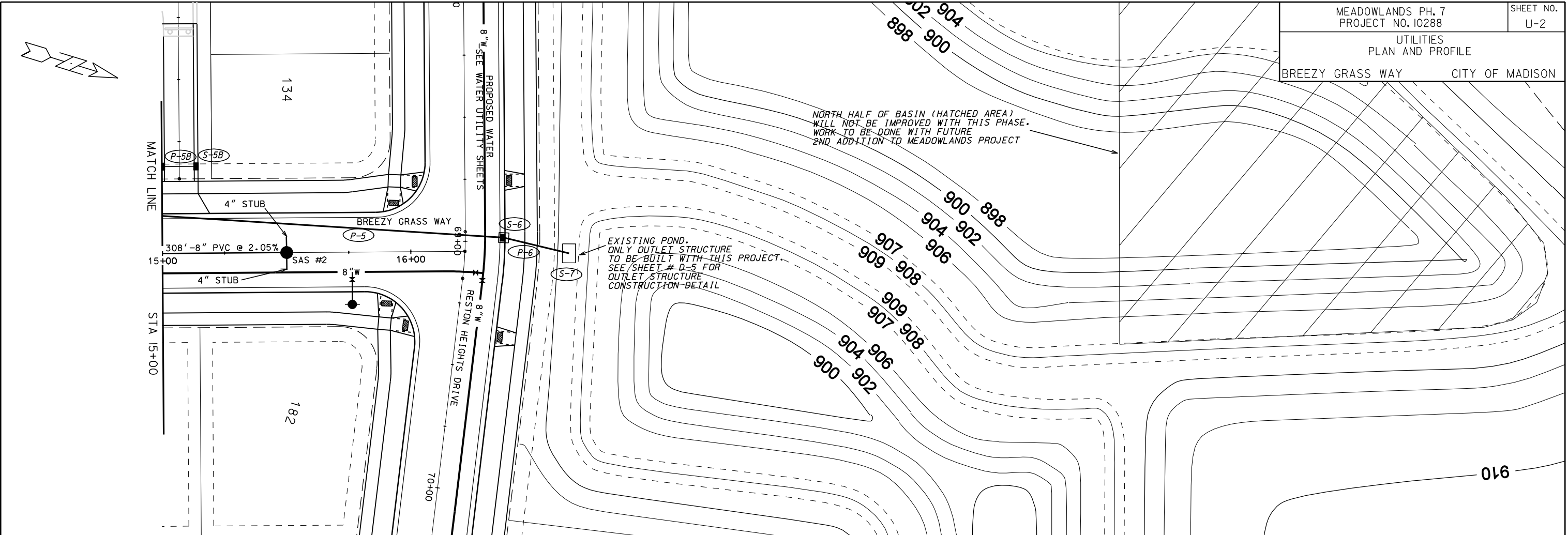


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

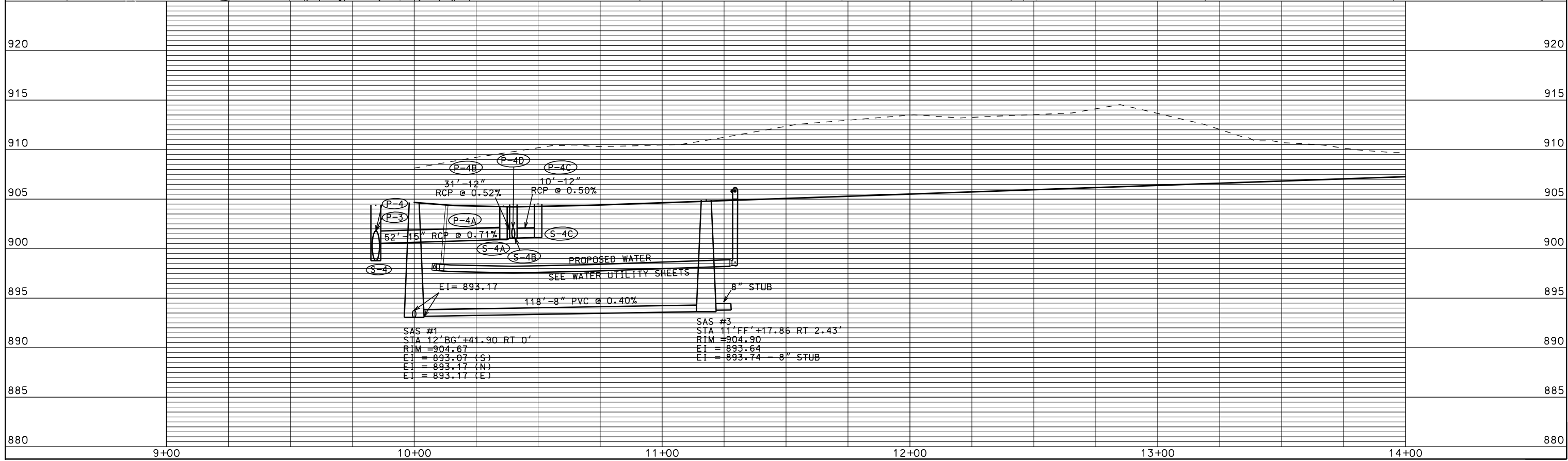
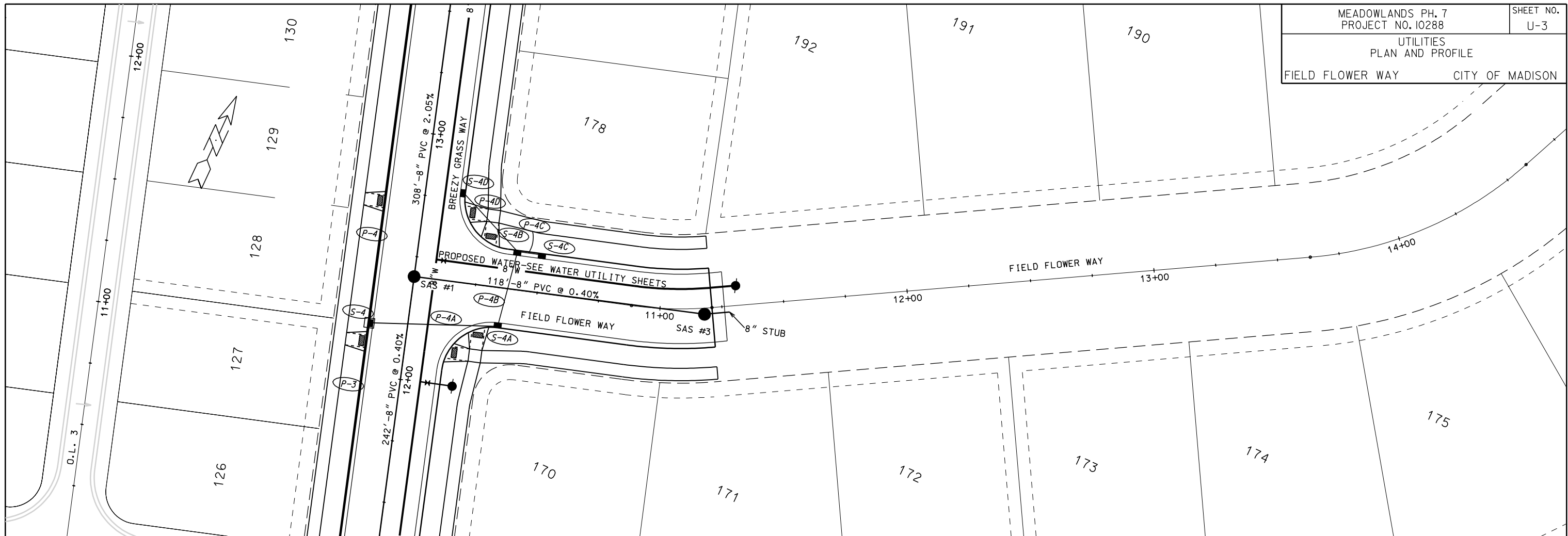


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



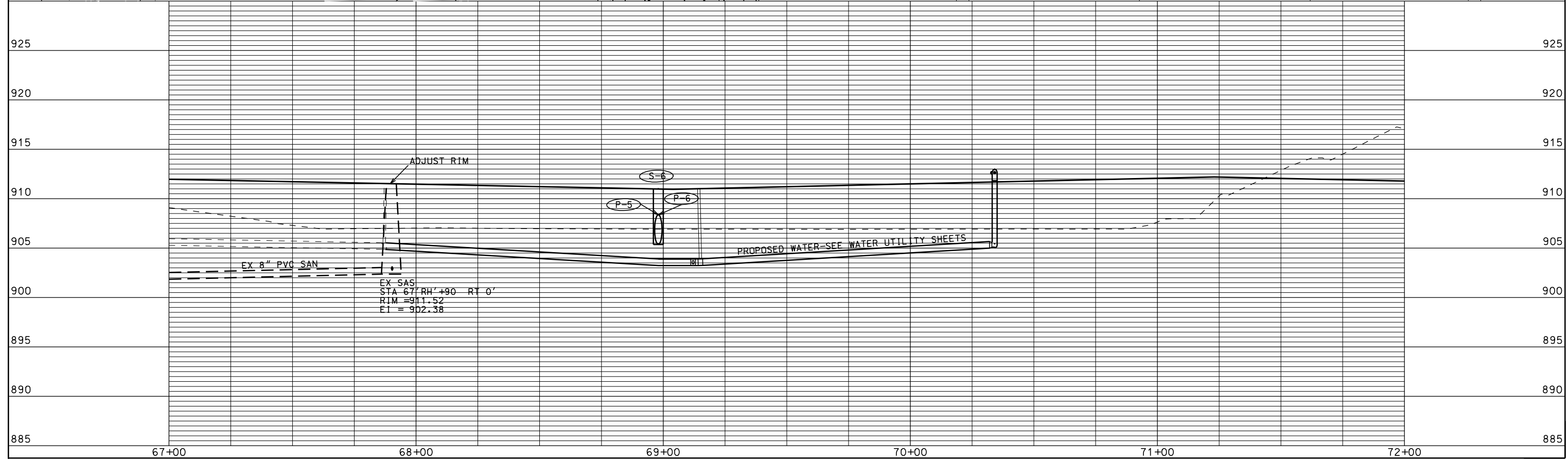
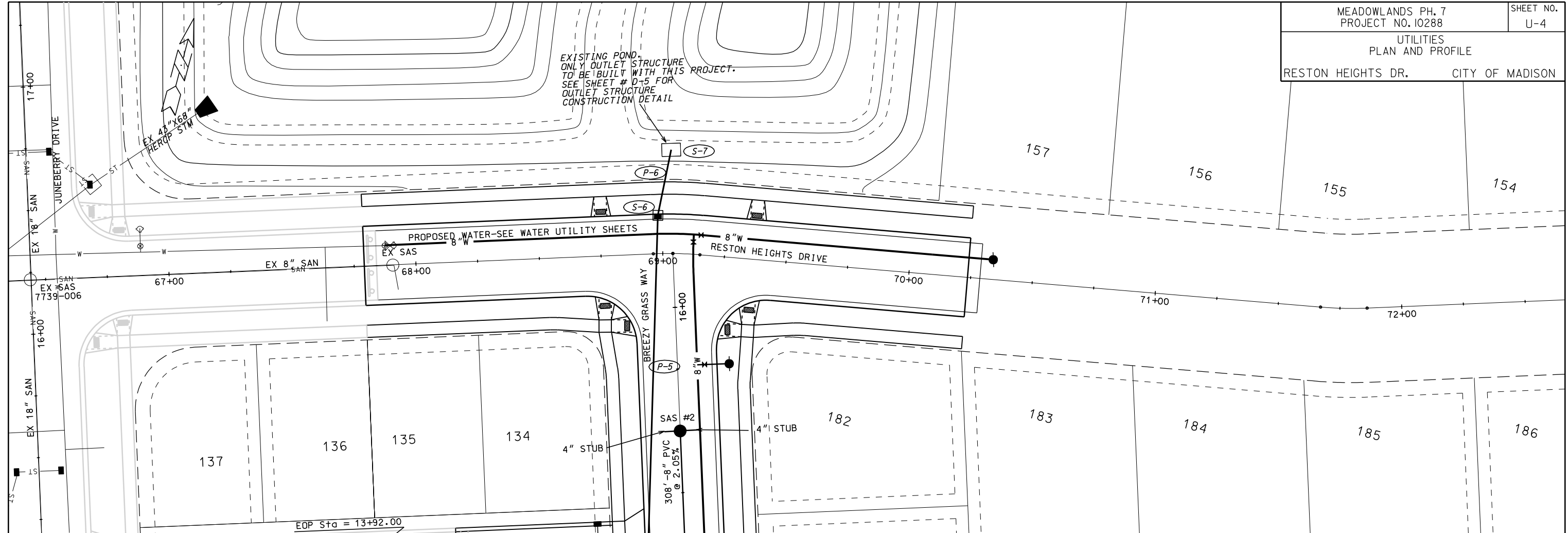
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EXISTING POND.
ONLY OUTLET STRUCTURE
TO BE BUILT WITH THIS PROJECT.
SEE SHEET # D-5 FOR
OUTLET STRUCTURE
CONSTRUCTION DETAIL



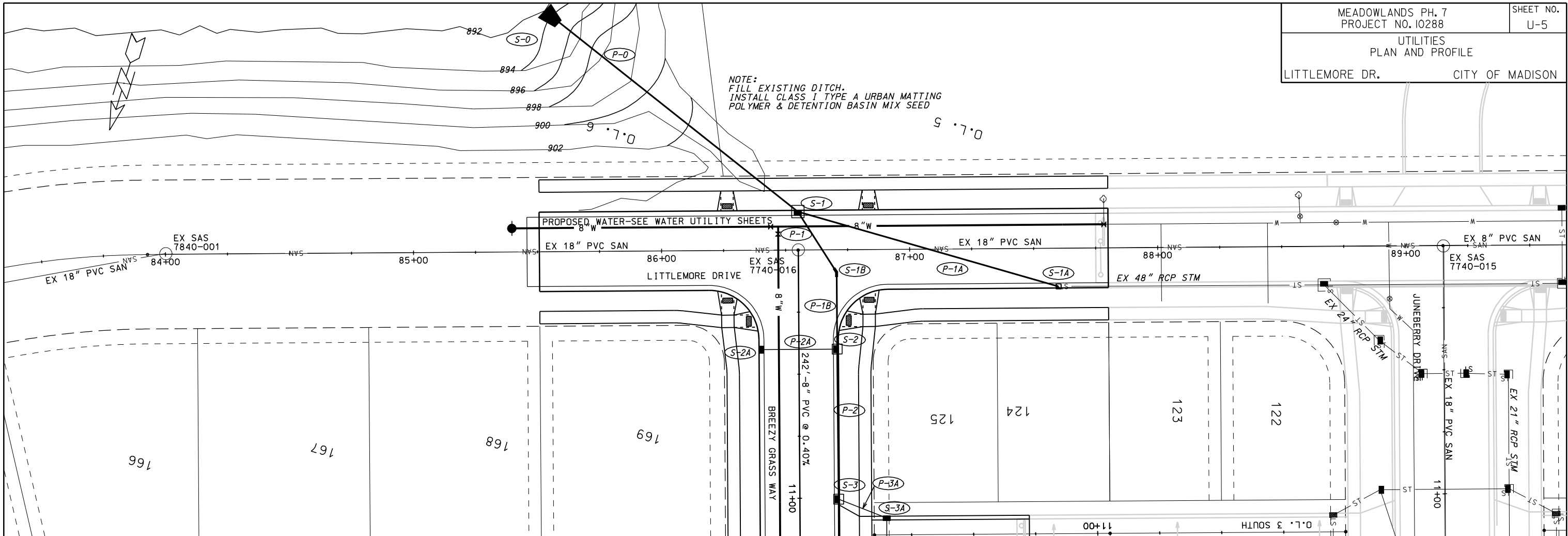
EX SAS
STA 67+90 RT 0'
RIM = 911.52
EI = 902.38

PLOT SCALE:

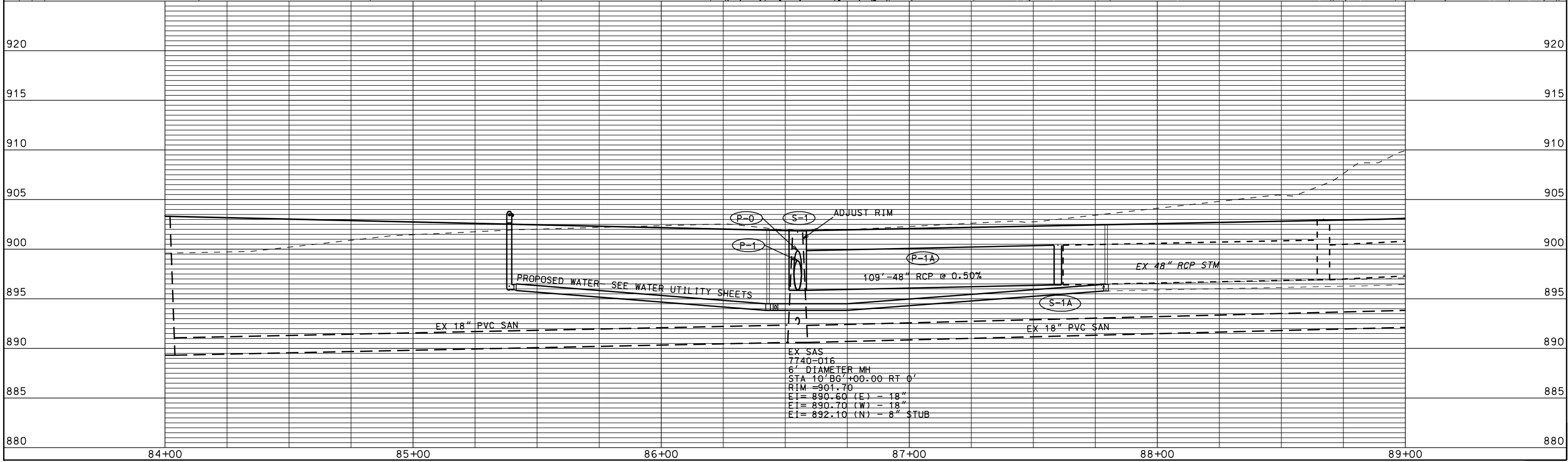
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



NOTE:
 FILL EXISTING DITCH.
 INSTALL CLASS I TYPE A URBAN MATTING
 POLYMER & DETENTION BASIN MIX SEED



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SCHEDULE

ALIGNMENT CODES:

"BG"= BREEZY GRASS WAY
 "FF"=FIELD FLOWER WAY

MEADOWLANDS PH 7
 PROJECT NO. 10288

SHEET NO.
 U-6

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	12'BG'+41.90	CL	904.67	893.07	11.60	-
SAS#2	15'BG'+50.00	CL	909.99	899.49	10.50	-
SAS#3	11'FF'+17.86	RT-2.43	904.90	893.64	11.26	-

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	PLAN LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX SAS 7740-016	SAS#1	892.10	893.07	242	0.40%	8"	SDR-35	CONNECT TO EX 8" STUB
SAS#1	SAS#2	893.17	899.49	308	2.05%	8"	SDR-35	-
SAS#1	SAS#3	893.17	893.64	118	0.40%	8"	SDR-35	-

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

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'LD' = LITTLEMORE DRIVE
 'BG' = BREEZY GRASS WAY
 'FF' = FIELD FLOWER WAY
 'RH' = RESTON HEIGHTS DRIVE
 'AN' = OUTLOT 3 NORTH ALLEY
 'AS' = OUTLOT 3 SOUTH ALLEY

MEADOWLANDS PH. 7
 PROJECT NO. 10288

SHEET NO.
 U-7

STORM SEWER SCHEDULE CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-0	85'LD'+53.56	LT-97.15	48"X76" HERCP AE	-	891.50	-	W/ GATE
S-1	86'LD'+55.06	LT-15.50	7X7 SAS	901.85	895.83	6.02	FP; LP; W/ R-3067-7004-VB; SEE NOTE (1)
S-1A	87'LD'+59.93	RT-15.36	FIELD BEND	-	896.40	-	INSTALL MARKER BALL
S-1B	10'BG'+09.06	LT-15.50	FIELD BEND	-	895.98	-	INSTALL MARKER BALL
S-2	10'BG'+40.00	LT-15.50	4X4 SAS	901.51	896.14	5.37	FP; LP; W/ R-3067-7004-VB
S-2A	10'BG'+40.00	RT-15.50	H INLET	901.51	898.30	3.21	LP; W/ R-3067-7004-VB
S-3	11'BG'+00.00	LT-15.50	4X4 SAS	902.19	896.45	5.74	FP; W/ R-3067-7004
S-3A	11'AS'+85.00	RT-6.75	H INLET	902.53	899.13	3.40	LP; W/ R-3362-L; PER SDD. 5.7.33
S-3B	11'AS'+85.00	LT-6.75	H INLET	902.77	899.37	3.40	LP; W/ R-3362-L; PER SDD. 5.7.33
S-4	12'BG'+21.00	LT-15.50	4X4 SAS	904.39	898.79	5.60	FP; W/ R-3067-7004
S-4A	10'FF'+36.00	RT-15.50	H INLET	904.31	900.91	3.40	W/ R-3067-7004
S-4B	10'FF'+40.00	LT-15.50	H INLET	904.47	901.07	3.40	LP; W/ R-3067-7004-VB
S-4C	10'FF'+50.00	LT-15.50	H INLET	904.52	901.12	3.40	W/ R-3067-7004
S-4D	12'BG'+77.90	RT-15.50	H INLET	905.42	902.02	3.40	W/ R-3067-7004
S-5	14'BG'+92.51	LT-15.50	4X4 SAS	909.34	903.74	5.60	FP; W/ R-3067-7004
S-5A	11'AN'+85.00	LT-6.75	H INLET	909.94	906.54	3.40	LP; W/ R-3362-L; PER SDD. 5.7.33
S-5B	11'AN'+85.00	RT-6.75	H INLET	909.70	906.61	3.09	LP; W/ R-3362-L; PER SDD. 5.7.33
S-6	68'RH'+98.00	LT-15.50	4X4 SAS	911.02	905.36	5.66	FP; LP; W/ R-3067-7004-VB
S-7	69'RH'+03.25	LT-41.82	OUTLET STRUCTURE	910.00	902.50	7.50	SEE DETAIL DRAWING SHEET D-5

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-0	S-0	S-1	130	891.50	895.83	3.33%	48"X76"	HERCP	-
P-1	S-1	S-1B	29	895.83	895.98	0.52%	36"	RCP	NCM
P-1A	S-1	S-1A	109	895.83	896.40	0.52%	48"	RCP	-
P-1B	S-1B	S-2	31	895.98	896.14	0.52%	36"	RCP	-
P-2	S-2	S-3	61	896.14	896.45	0.51%	36"	RCP OR ADS HP-STORM	-
P-2A	S-2	S-2A	31	898.14	898.30	0.52%	12"	RCP	-
P-3	S-3	S-4	120	896.45	898.79	1.95%	36"	RCP OR ADS HP-STORM	-
P-3A	S-3	S-3A	21	898.45	899.13	3.24%	12"	RCP	-
P-3B	S-3A	S-3B	14	899.13	899.37	1.71%	12"	RCP	-
P-4	S-4	S-5	271	898.79	903.74	1.83%	36"	RCP OR ADS HP-STORM	-
P-4A	S-4	S-4A	52	900.54	900.91	0.71%	15"	RCP	-
P-4B	S-4A	S-4B	31	900.91	901.07	0.52%	12"	RCP	-
P-4C	S-4B	S-4C	10	901.07	901.12	0.50%	12"	RCP	-
P-4D	S-4B	S-4D	32	901.07	902.02	2.97%	12"	RCP	-
P-5	S-5	S-6	145	903.74	905.36	1.12%	36"	RCP OR ADS HP-STORM	-
P-5A	S-5	S-5A	21	905.74	906.54	3.81%	12"	RCP	-
P-5B	S-5A	S-5B	14	906.54	906.61	0.50%	12"	RCP	-
P-6	S-6	S-7	27	905.36	905.50	0.52%	33"	RCP	-

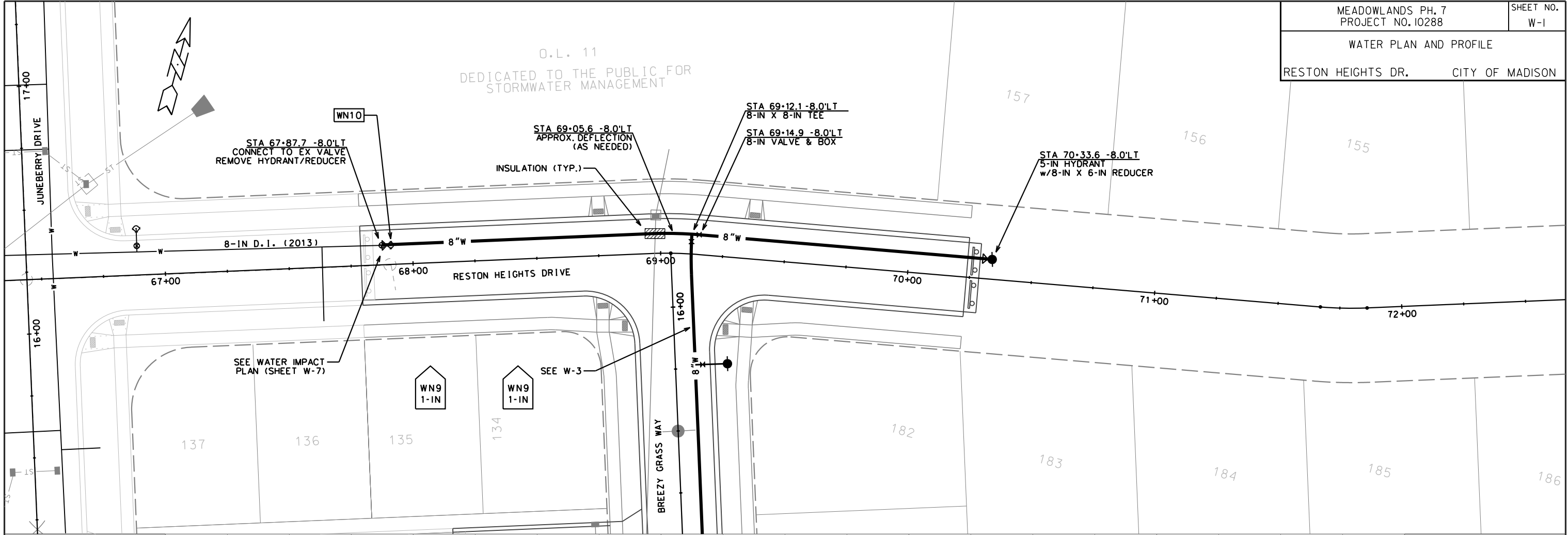
SPECIFIC NOTES

(1) PIPE WALL MUST BE POURED INTO ROOF.

STANDARD NOTES:

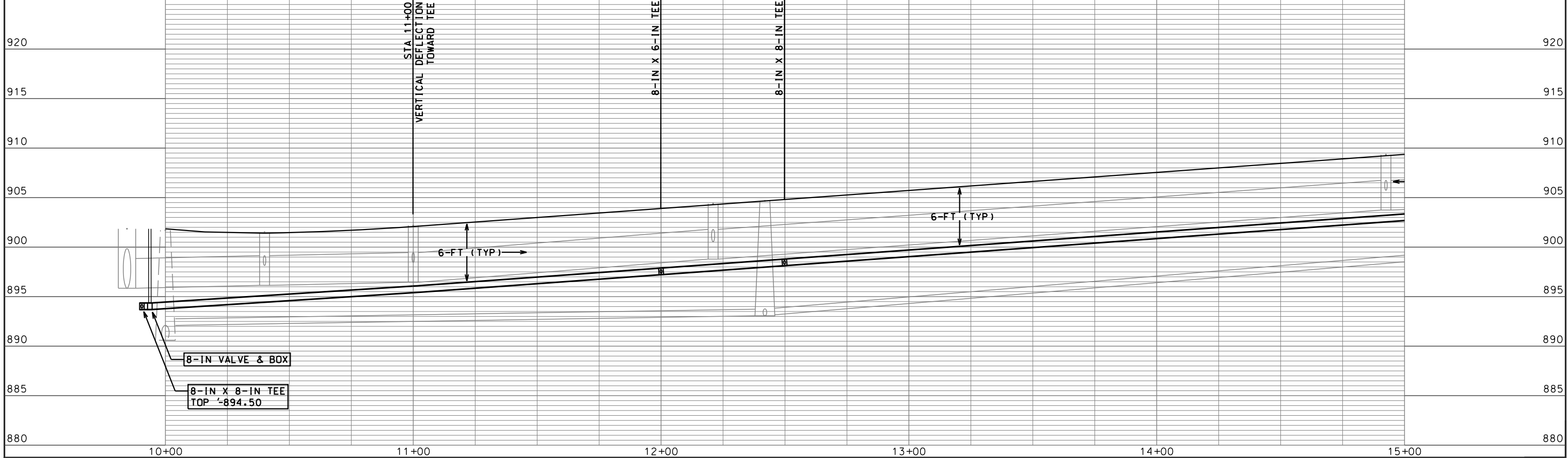
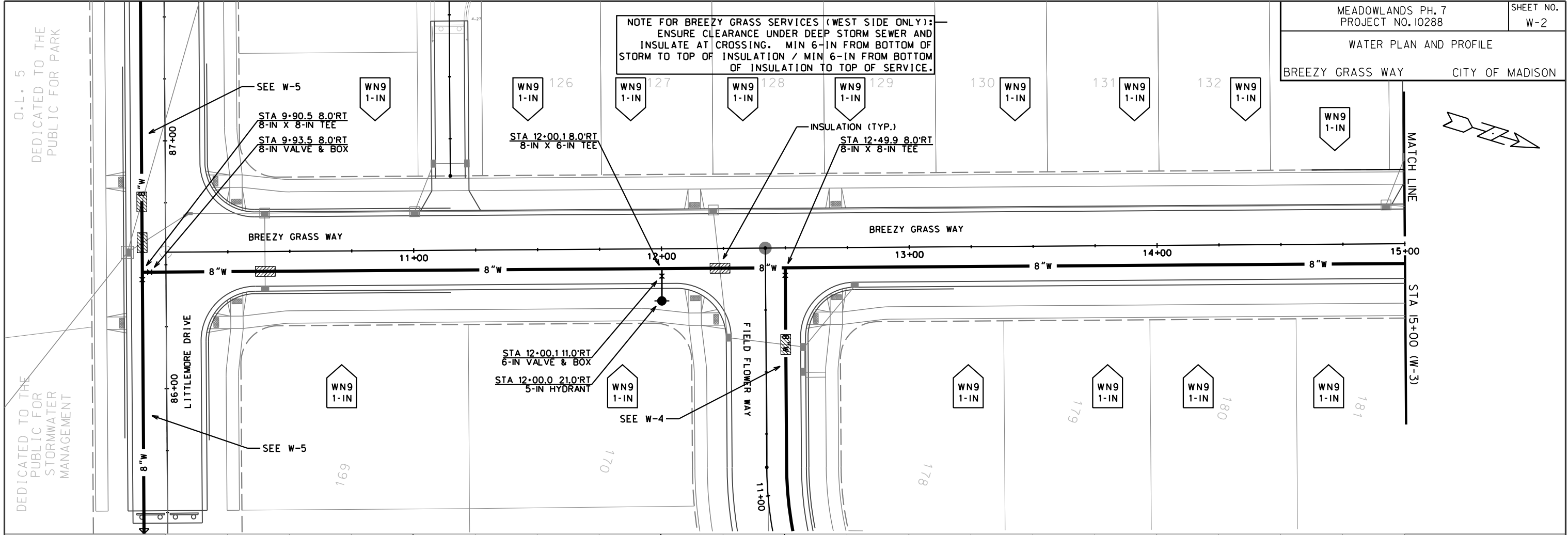
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES
- APPROXIMATE 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 ELIA E. ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

O.L. 11
DEDICATED TO THE PUBLIC FOR
STORMWATER MANAGEMENT



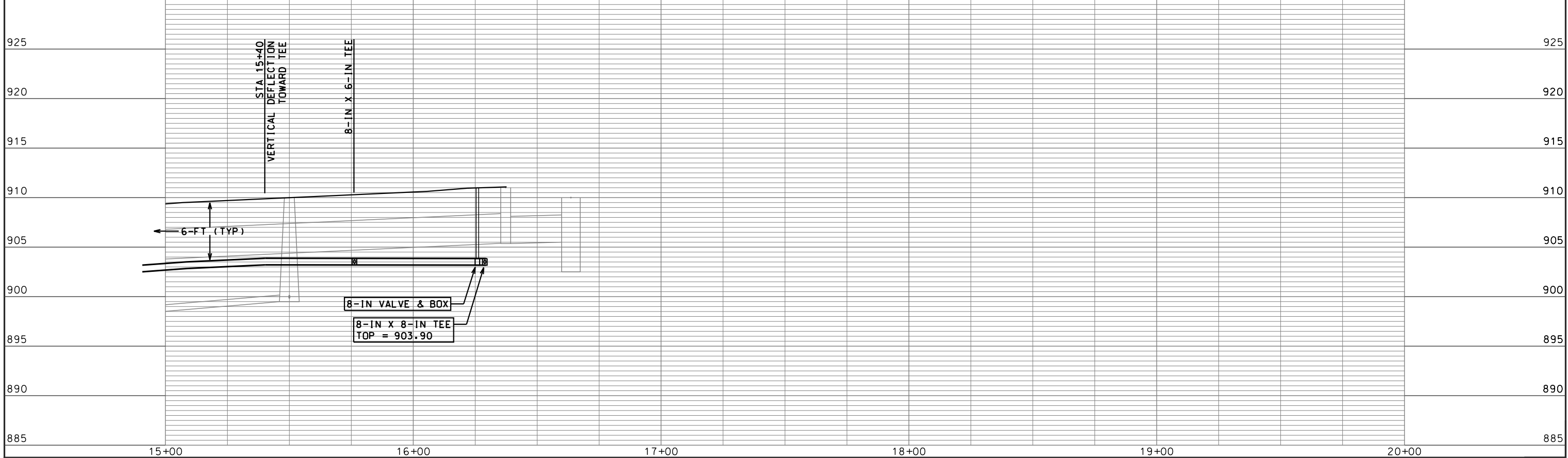
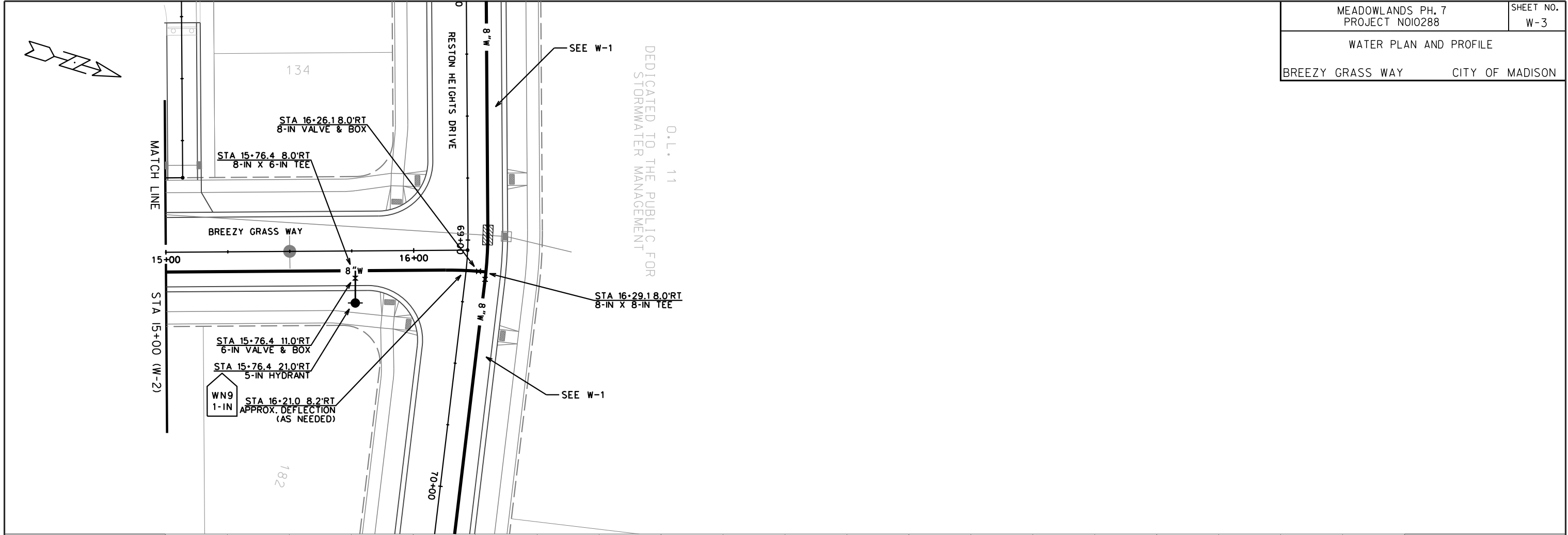
PLOT SCALE:
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NOTE FOR BREEZY GRASS SERVICES (WEST SIDE ONLY):
ENSURE CLEARANCE UNDER DEEP STORM SEWER AND
INSULATE AT CROSSING. MIN 6-IN FROM BOTTOM OF
STORM TO TOP OF INSULATION / MIN 6-IN FROM BOTTOM
OF INSULATION TO TOP OF SERVICE.

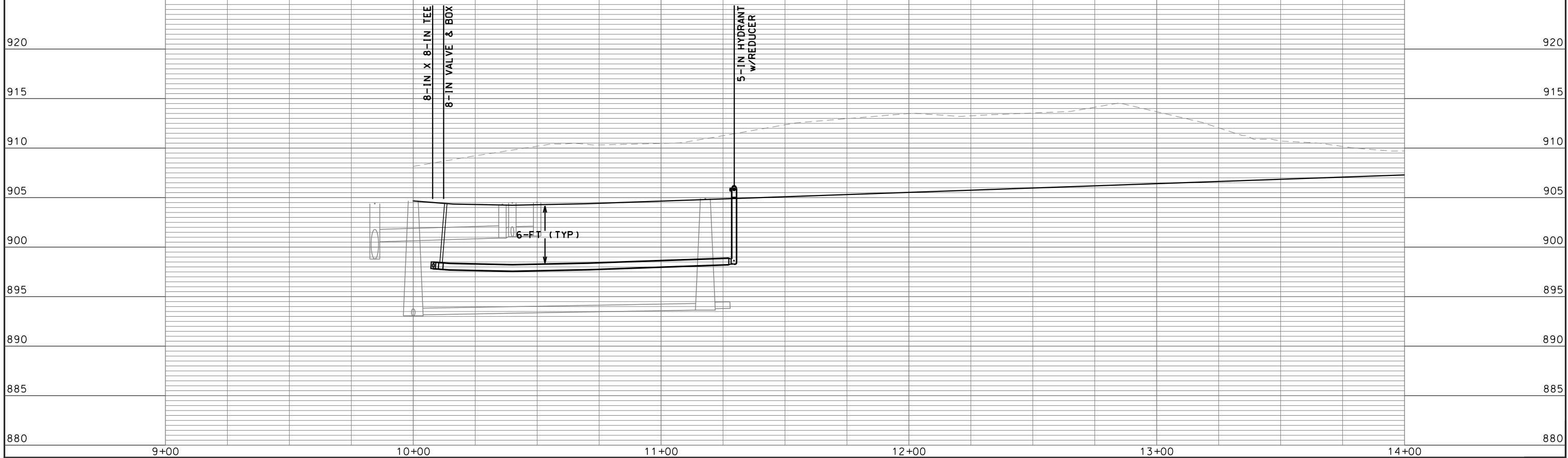
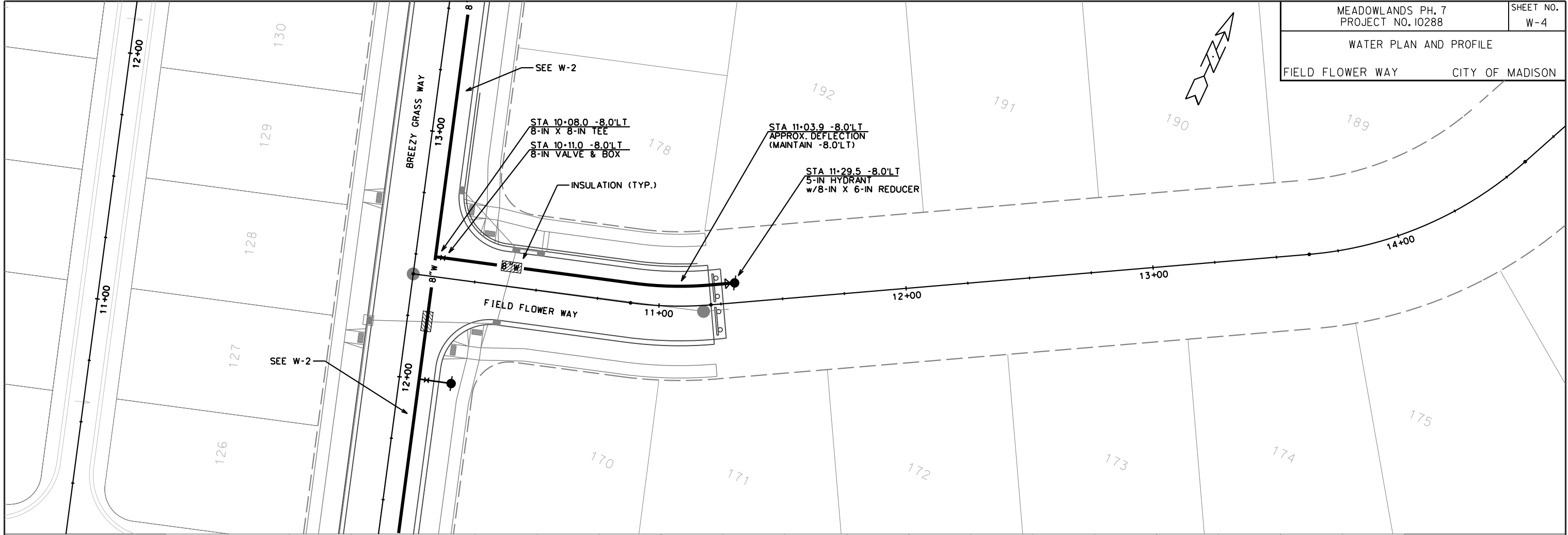


ORIGINATOR: CITY OF MADISON, STREETS DIVISION
 REV. DATE:
 PLOT NAME:
 PLOT SCALE:

DEDICATED TO THE PUBLIC FOR PARK
 DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT



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

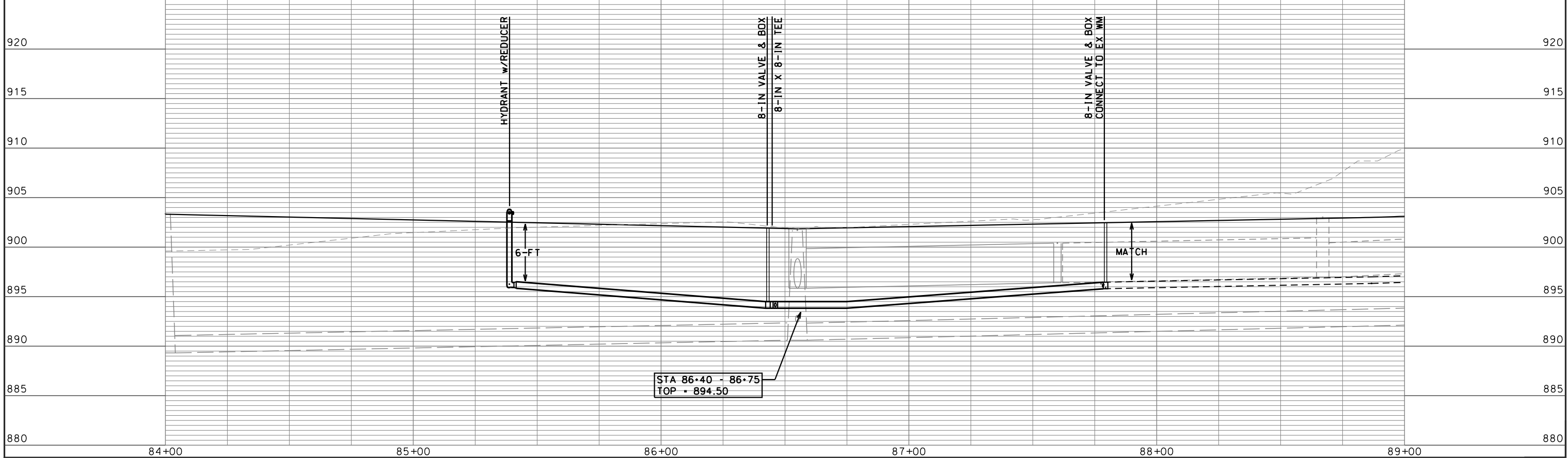
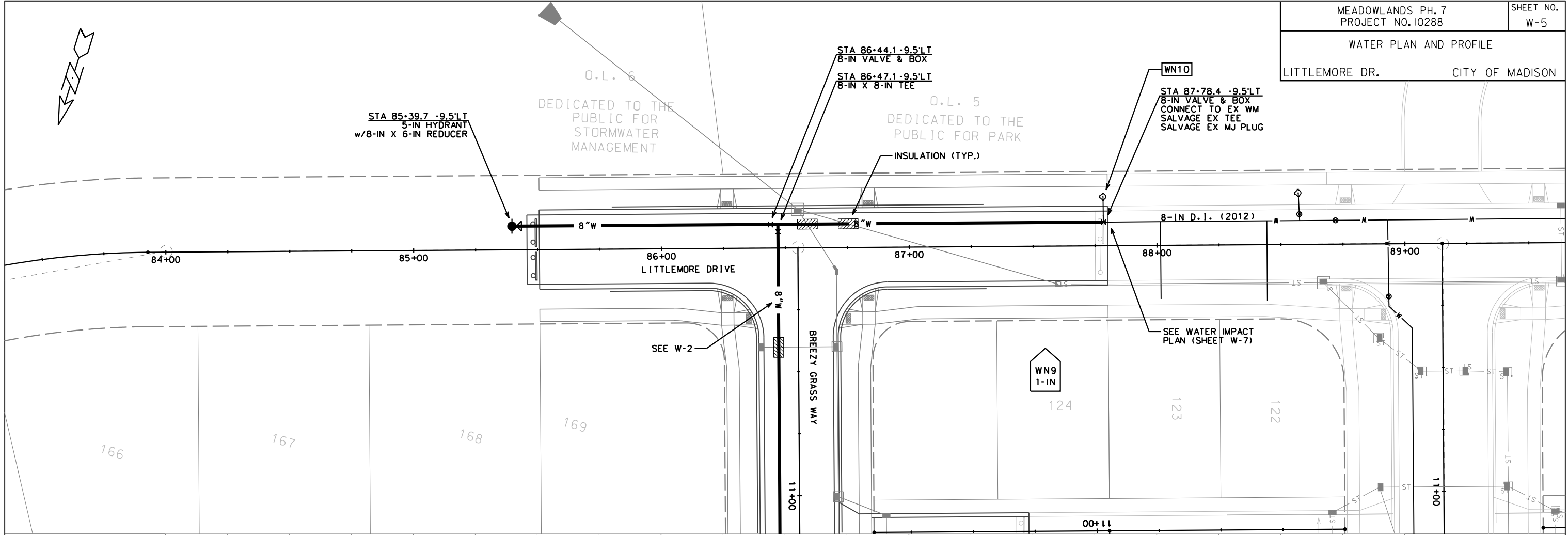


ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. DATE:

PLOT NAME:

PLOT SCALE:



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

CONSTRUCTION NOTES:

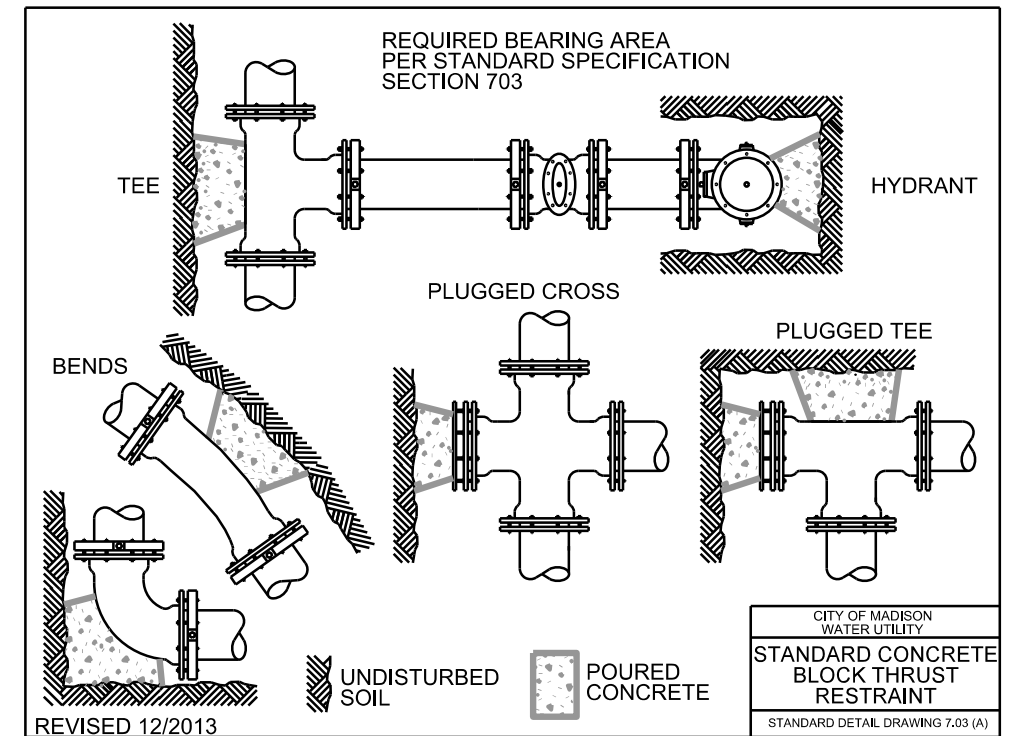
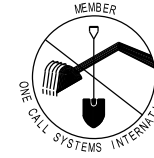
1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISTRUPTION 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.

- 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

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-9511
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.

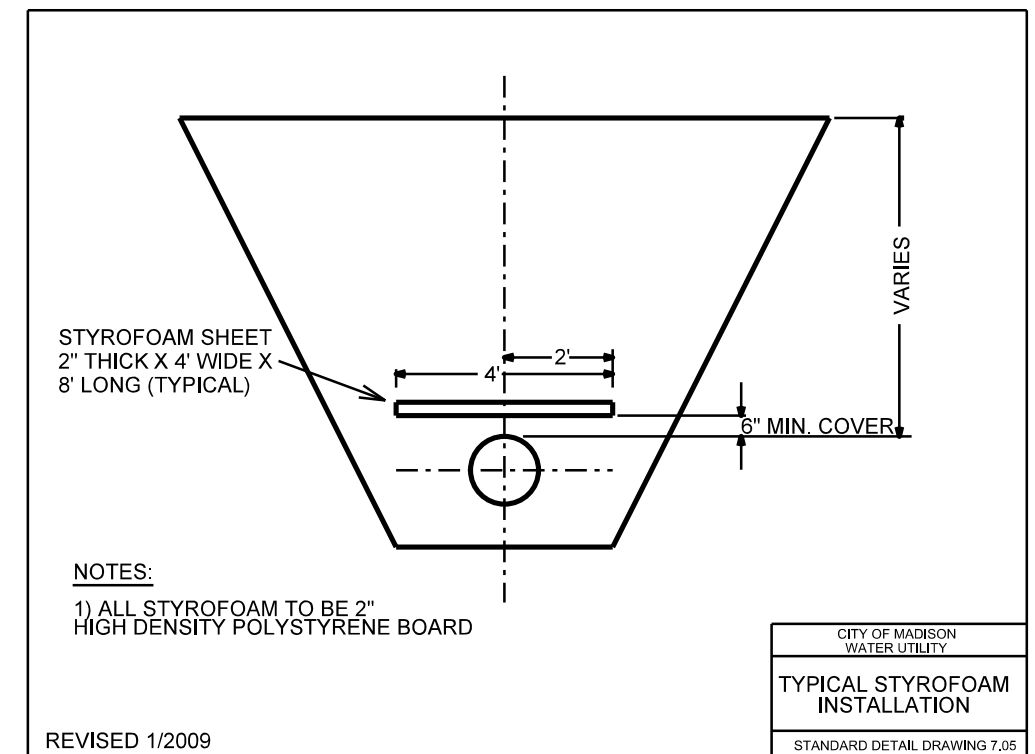
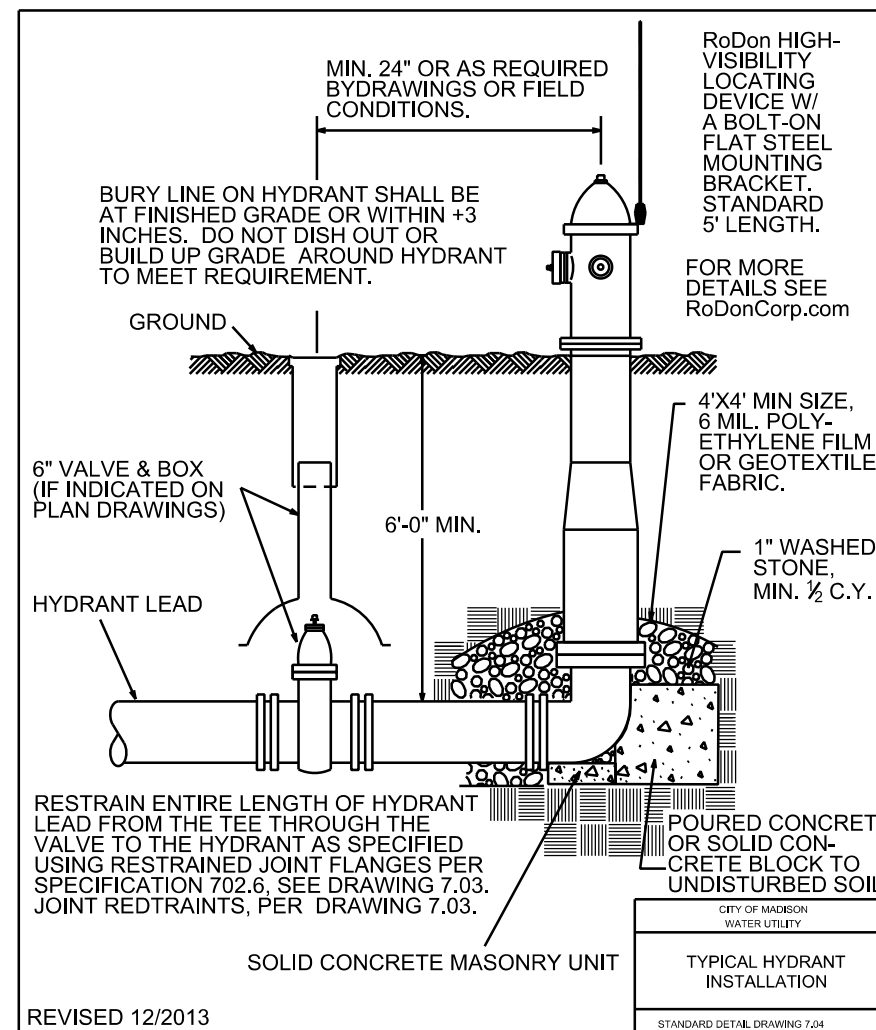


MATERIALS SUPPLIED BY CONTRACTOR*:

- 40-FT - 6-IN PIPE
- 1,240-FT - 8-IN PIPE
- 1,410-FT - POLYWRAP
- 2 - 6-IN VALVE & BOX
- 4 - 8-IN VALVE & BOX
- 2 - 8-IN X 6-IN TEE
- 2 - 8-IN X 8-IN TEE
- 2 - 8-IN 22.5° BEND
- 22 - 8-IN 45° BEND
- 3 - 8-IN X 6-IN REDUCER
- 5 - 5-IN HYDRANT
- 60-FT - 2-IN STYROFOAM INSULATION

SALVAGED MATERIALS*:

- 1 - 5-IN HYDRANT
- 1 - 8-IN X 6-IN TEE
- 1 - 8-IN MJ PLUG



* ESTIMATES FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFFS.

WATER IMPACT PLAN

CITY OF MADISON



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.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME:

DATE: