



Department of Public Works

Engineering Division

Robert F. Phillips, P.E., City Engineer

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Kathleen M. Cryan

Principal Engineer 2

Christopher J. Petykowski, P.E.
John S. Fahrney, P.E.

Principal Engineer 1

Christina M. Bachmann, P.E.
Mark D. Moder, P.E.

Facilities & Sustainability

Jeanne E. Hoffman, Manager

Mapping Section Manager

Eric T. Pederson, P.S.

Financial Manager

Steven B. Danner-Rivers

February 12, 2018

NOTICE OF ADDENDUM

ADDENDUM NO. 3

CONTRACT NO. 7843

RONALD REAGAN AVENUE , JOHN WALL DRIVE AND MERCHANT STREET
ASSESSMENT DISTRICT – 2017

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

SPECIAL PROVISIONS:

ADDENDUM NO. 1 (FEBRUARY 1, 2018) DELETED THE 7TH AND 8TH PARAGRAPH OF SECTION 107.7 MAINTENANCE OF TRAFFIC AND REPLACED IT WITH NEW LANGUAGE. DISREGARD THE ADDENDUM NO. 1 (FEBRUARY 1, 2018) LANGUAGE RELATING THE TRAFFIC CONTROL ON MANUFACTURERS DRIVE AND REPLACE IT WITH THE FOLLOWING:

Manufacturers Drive

The contractor shall maintain one (1) lane in each direction of at least eleven (11) feet of width on a hard surface on Manufacturers Drive at all times except during weekend closures and lane closures to facilitate utility installation. A southbound lane closure on Manufacturers Drive shall be allowed for ten (10) consecutive days in order to facilitate installation of utilities when only one (1) lane of at least eleven (11) feet of width is available. Contractor is allowed two (2) weekend full closures to complete work on Manufacturers Drive; weekend closures cannot coincide with closures on Hoepker Road.

DELETE THE HOEPKER ROAD PARAGRAPH OF SECTION 107.7 MAINTENANCE OF TRAFFIC AND REPLACE WITH THE FOLLOWING:

Hoepker Road

The contractor shall maintain one (1) lane in each direction of at least eleven (11) feet of width on a hard surface on Hoepker Road at all times except during weekend closures. A flagging operation shall be used to direct and maintain two-way traffic when only one (1) lane of at least eleven (11) feet of width is available. Travel lane closures shall only occur on weekdays between 8:30 a.m. and 4:00 p.m. Contractor is allowed one (1) weekday lane closure prior to 8:30 a.m. on Hoepker Road. Roadway shall be open to two-way traffic with a lane in each direction during non-working hours. Contractor is allowed two (2) weekend full closures to complete work on Hoepker Road; weekend closures cannot coincide with full closures on Manufacturers Drive.

INSERT THE TWO NEW PARAGRAPH BELOW AT THE END OF THE BID ITEM 20101 – EXCAVATION CUT, BID ITEM 20202 – FILL BORROW ARTICLE AND ADD BID ITEM 20102 ROCK EXCAVATION TO THE TITLE OF THE ARTICLE:

BID ITEM 20101 – EXCAVATION CUT
BID ITEM 20102 – ROCK EXCAVATION
BID ITEM 20202 – FILL BORROW

DESCRIPTION

The City of Madison Parks Department will accept all excess topsoil from the project and has a location available near the project site. The topsoil site is called North-East Greenspace and the exact location is due east of the intersection of American Parkway and Village Park Drive. The Contractor has the option to utilize this site for the placement of excess topsoil from the project. If the Contractor chooses to utilize this site, all erosion control permits and materials are the Contractors responsibility and a bulldozer with an operator needs to be provided to pile the topsoil on the site once it is delivered. The City of Madison Parks Department has the right to refuse the topsoil material if it contains vegetation, large rocks or gravel, fill material, concrete and asphalt. All associated costs of hauling, piling and protecting the topsoil at the North-East Greenspace site will be considered incidental to this item. Contact Richard Bergmann, City of Madison Parks Department, at 266-6289 or rbergmann@cityofmadison.com to coordinate utilizing the site.

Rock Excavation may be anticipated during the installation of the sanitary sewer main beneath Ronald Reagan Avenue from Merchant Street to John Wall Drive.

PROPOSAL:

One item has been added to the proposal. See below for a summary. Refer to the proposal for the information in Bid Express.

ITEMS:

Action	Bid Item	Description	Original Qty.	New Qty.
ADD	20102	ROCK EXCAVATION	---	1,000 CY

PLANS:

DISREGARD THE ADDENDUM NO. 1 (FEBRUARY 1, 2018) UPDATE OF THE TITLE SHEET.

Title Sheet: Updated sheet index to remove TC-6.

DISREGARD THE ADDENDUM NO. 2 (FEBRUARY 6, 2018) UPDATE OF SHEETS D-1 AND D-2 AND REPLACE WITH THE FOLLOWING D-1 AND D-2 SHEET UPDATES.

D-1: Updated call off #2 with the asphalt upper layer and #3 lower layer mixtures to match the proposal.

D-2: Updated call off #2 with the asphalt upper layer and #3 lower layer mixtures to match the proposal.

U-2, U-3, U-4, U-6, U-10, U-11: Updated the sanitary sewer plan and profiles to show estimated depths of bedrock along Ronald Reagan Avenue from Merchant Street to John Wall Drive.

U7: The proposed sanitary sewer lateral for Lot 34 (John Wall Dr. Approx. STA 207+15 RT) has been removed from the plans.

February 12, 2018

Page 3

U8: The sanitary sewer lateral for Lot 21 (John Wall Dr. Approx. STA 210+70 LT) has been removed from the plans.

U-17: Proposed storm sewer invert elevations have been updated to accommodate field conditions after existing ditch and existing storm sewer outfall survey information was received.

U-19, U-20: Storm sewer schedules have been updated with changes on U-17.

DISREGARD THE ADDENDUM NO. 1 (FEBRUARY 1, 2018) ADDITION OF TC-6. TC-6 IS NOT NEEDED IN THE PLAN SET.

TC-6: Remove from the Plan Set.

SOIL BORINGS:

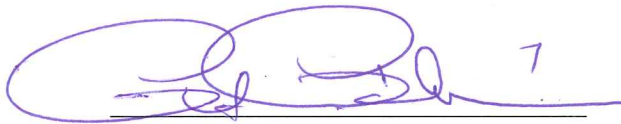
Soil boring information has been included.

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:
<http://www.bidexpress.com>

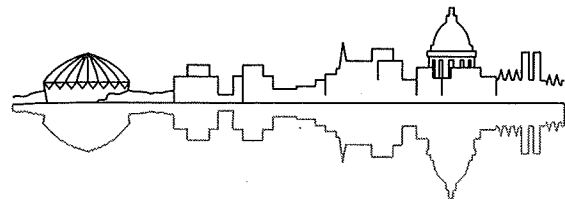
If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

Sincerely,



Robert F. Phillips, P.E.
City Engineer

RFP:AJZ



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

RONALD REAGAN AVENUE, JOHN WALL DRIVE AND MERCHANT STREET ASSESSMENT DISTRICT - 2017

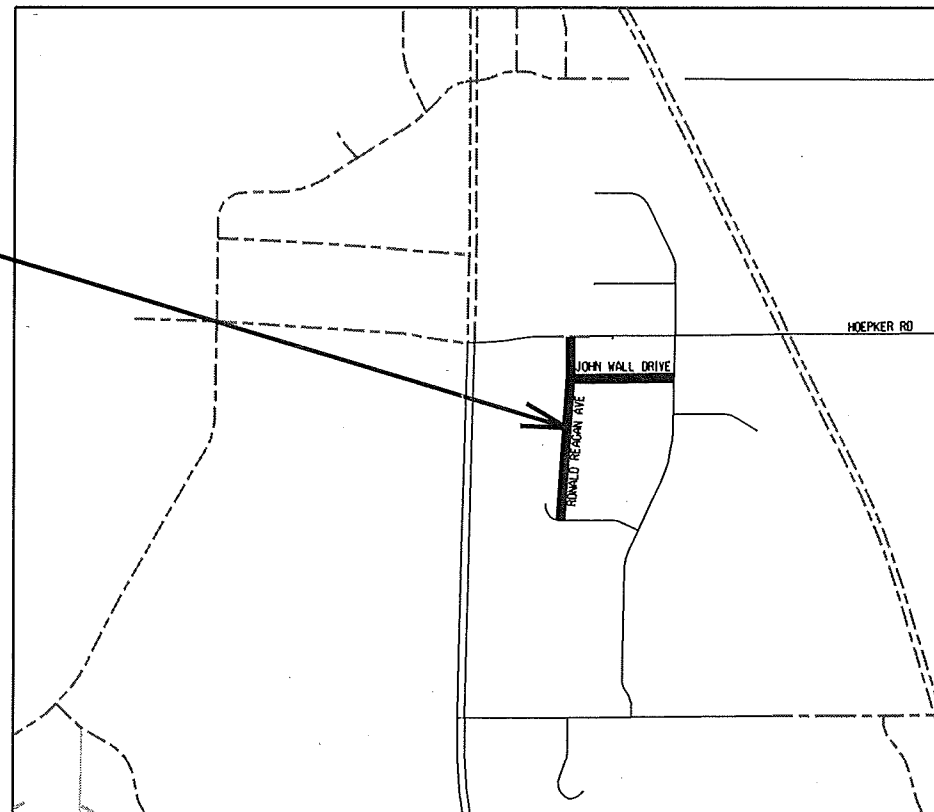
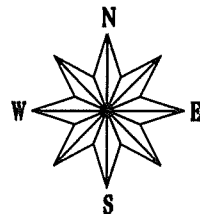
CITY PROJECT NO. 11461

CONTRACT NO. 7843

INDEX OF SHEETS

SHEET NO.	TITLE
SHEET NO. 1	TYPICAL SECTIONS
SHEET NO. D1-D2	PLAN DETAIL
SHEET NO. D3	MASS GRADING PLAN
SHEET NO. D4	MERCHANT STREET REMOVAL PLAN
SHEET NO. D5	ALIGNMENT PLAN
SHEET NO. A1	EROSION CONTROL PLAN
SHEET NO. EC1-EC17	DRAINAGE DITCH PLAN & PROFILES
SHEET NO. DD1-DD4	STREET PLAN & PROFILES
SHEET NO. P1-P8	SEWERS PLAN & PROFILES
SHEET NO. U1-U17	SEWER SCHEDULES
SHEET NO. U18-U20	WATER PLAN & PROFILES
SHEET NO. W1-W7	MERCHANT STREET REMOVAL
SHEET NO. W8	WATER IMPACT PLANS
SHEET NO. W9-W10	WATER ESTIMATE OF MATERIALS & DETAILS
SHEET NO. W11	DETOUR PLANS
SHEET NO. TC1-TC4	TRAFFIC CONTROL PLANS
SHEET NO. TC5-TC5	RONALD REAGAN CROSS SECTIONS
SHEET NO. XI-X18	JOHN WALL DRIVE CROSS SECTIONS
SHEET NO. X19-X27	MASS GRADING CROSS SECTIONS
SHEET NO. X28-X35	

PROJECT
LOCATION



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 RAMP 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%

EARTH WORK SUMMARY:

EXCAVATION CUT.....	16,000 C.Y.
TOPSOIL STRIPING.....	67,800 C.Y.
MERCHANT STREET EXCAVATION.....	3,000 C.Y.
ESTIMATED SREET UNDERCUT.....	2,250 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT (MEASURED PLAN QUANTITY).....	89,050 C.Y.
TOTAL FILL BORROW (MEASURED PLAN QUANTITY).....	117,970 C.Y.
TOTAL SELECT FILL (MEASURED PLAN QUANTITY).....	14,000 TON
BREAKER RUN UNDERCUT (MEASURED PLAN QUANTITY).....	4,900 TON

PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 2, 2018

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

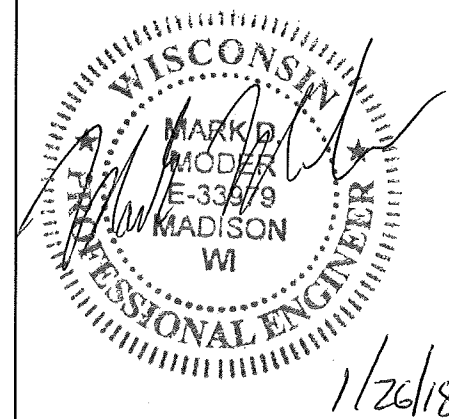
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

City Engineer 1/26/18
Date

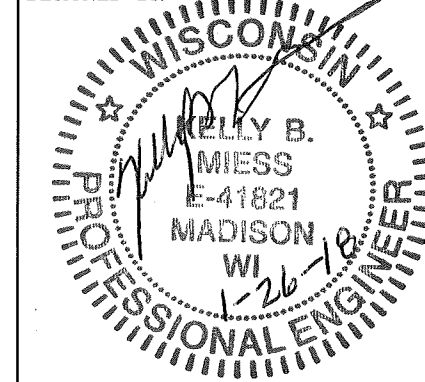
STREET
DESIGNED BY:



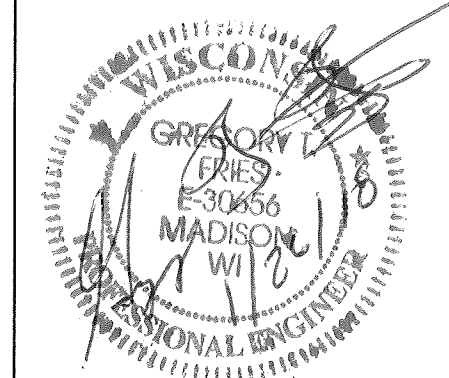
SANITARY SEWER
DESIGNED BY:

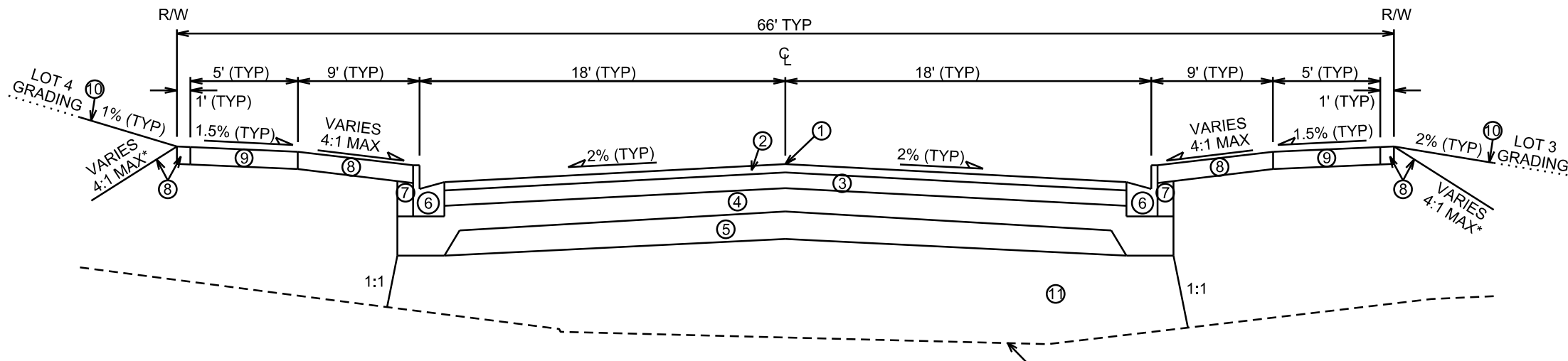


WATER MAIN
DESIGNED BY:



STORM SEWER
DESIGNED BY:



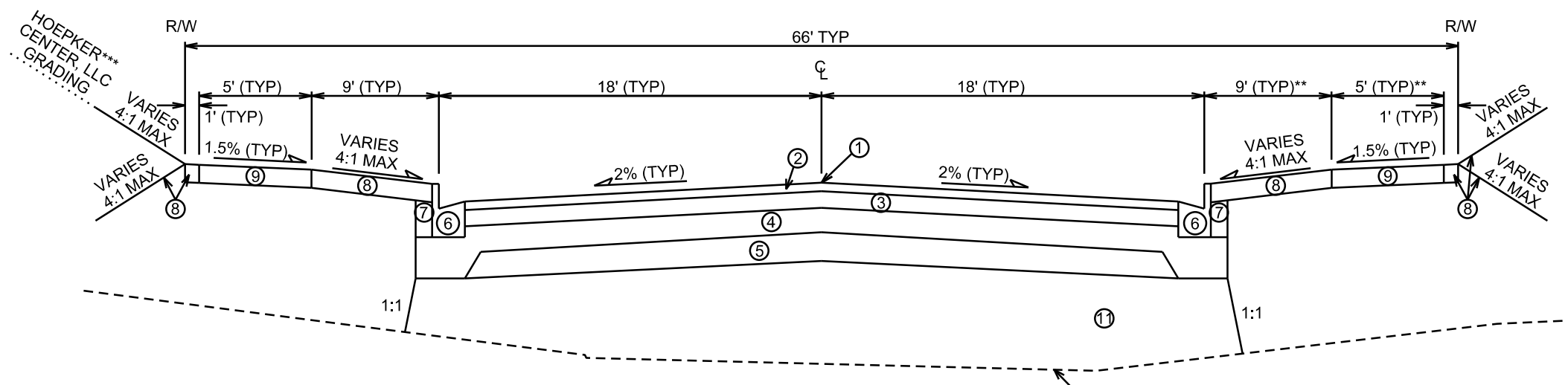


TYPICAL FINISHED SECTION
RONALD REAGAN AVE
STA 104+15 TO STA 113+60

REMOVE 18" OF TOPSOIL,
REPLACE W/SELECT FILL

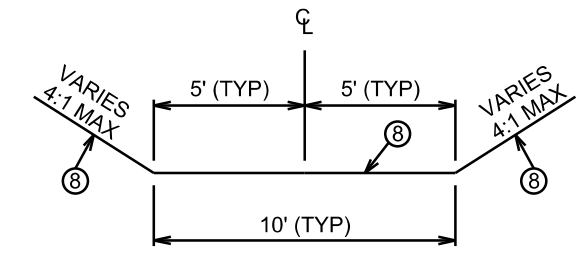
- ① POINT REFERRED TO ON PROFILE
- ② 2" BITUMINOUS UPPER LAYER, 4 MT 58-28 S
- ③ 3 1/4" BITUMINOUS LOWER LAYER, 3 MT 58-28 S
- ④ 4" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER
- ⑦ FILL BORROW
- ⑧ 6" TOPSOIL, TERRACE SEED AND EROSION MAT
- ⑨ 5" CONCRETE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

NOTE:
 - SEE PLAN/PROFILE SHEETS FOR TOP OF CURB ELEVATIONS.
 - TYPICAL SECTION NOT TO SCALE.
 *DRAINAGE DITCH CROSSING RONALD REAGAN AVENUE AT STA 113+29.
 **NO SW ON RONALD REAGAN AVENUE FROM STA 120+25 TO STA 124+05.31 RT.
 ***MATCH HOEPKER CENTER, LLC GRADING. IF LOT 1 IS NOT UNDER CONSTRUCTION, MATCH EX. GROUND.



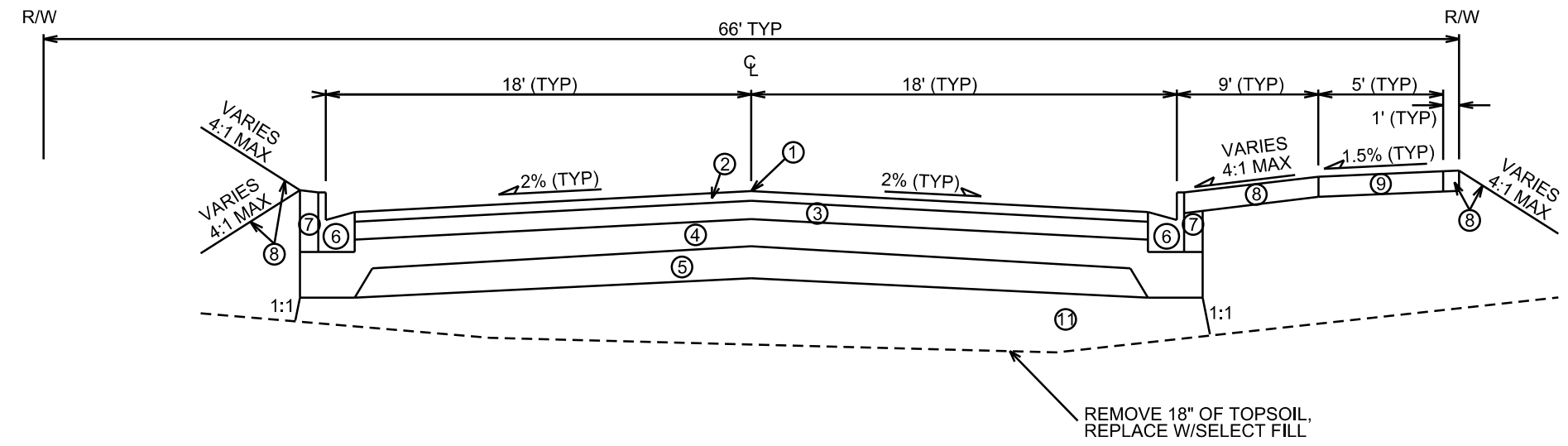
TYPICAL FINISHED SECTION
RONALD REAGAN AVE
STA 113+60 TO STA 124+05.31

REMOVE 18" OF TOPSOIL,
REPLACE W/SELECT FILL



TYPICAL FINISHED SECTION
STA 500+35 TO STA 518+00
DRAINAGE DITCH

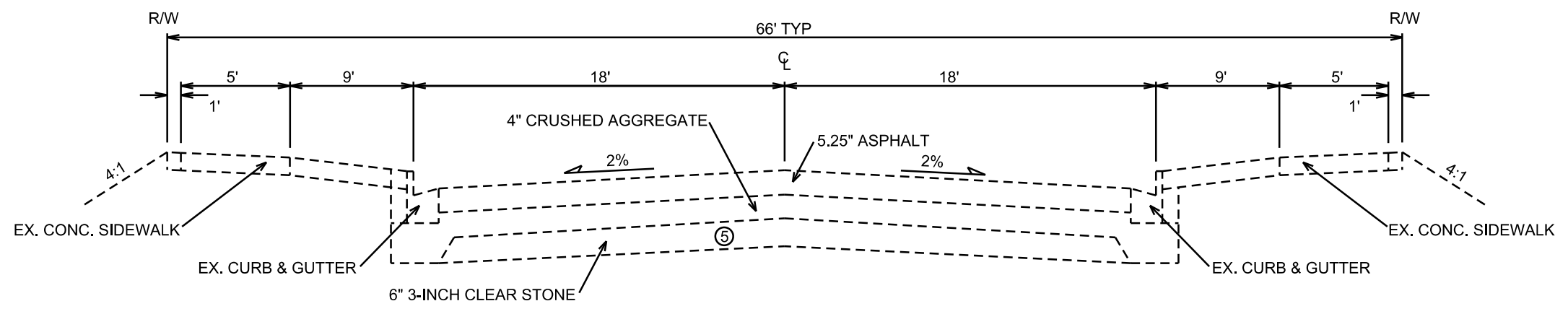
PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL FINISHED SECTION
STA 200+50 TO STA 212+29.73
JOHN WALL DR

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

NOTE:
- SEE PLAN/PROFILE SHEETS FOR TOP OF CURB ELEVATIONS.
- TYPICAL SECTION NOT TO SCALE.
- NO SW ON NORTH SIDE OF JOHN WALL DR.



TYPICAL EXISTING SECTION
MERCHANT ST

PLOT SCALE: _____

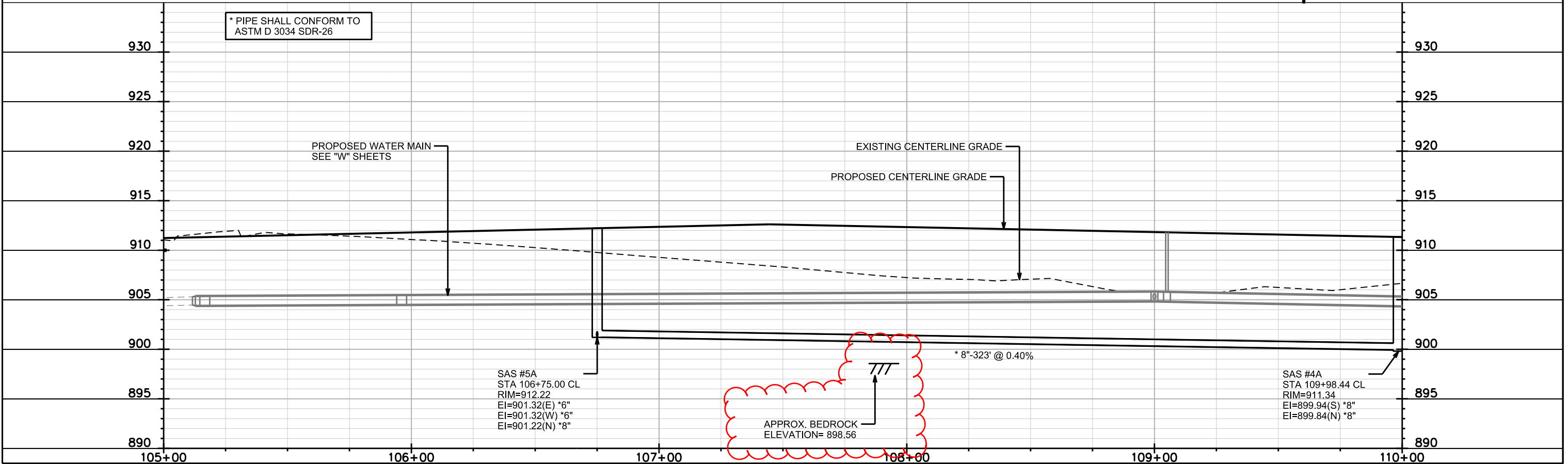
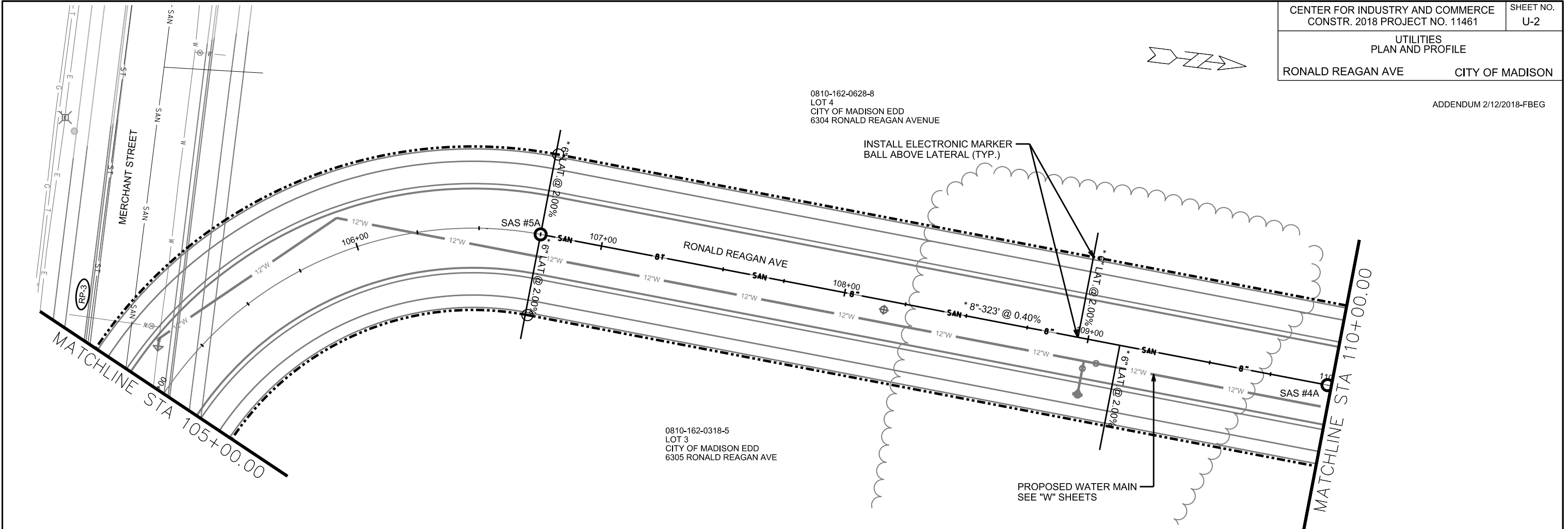
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0810-162-0628-8
LOT 4
CITY OF MADISON EDD
6304 RONALD REAGAN AVENUE

0810-162-0318-5
LOT 3
CITY OF MADISON EDD
6305 RONALD REAGAN AVE



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

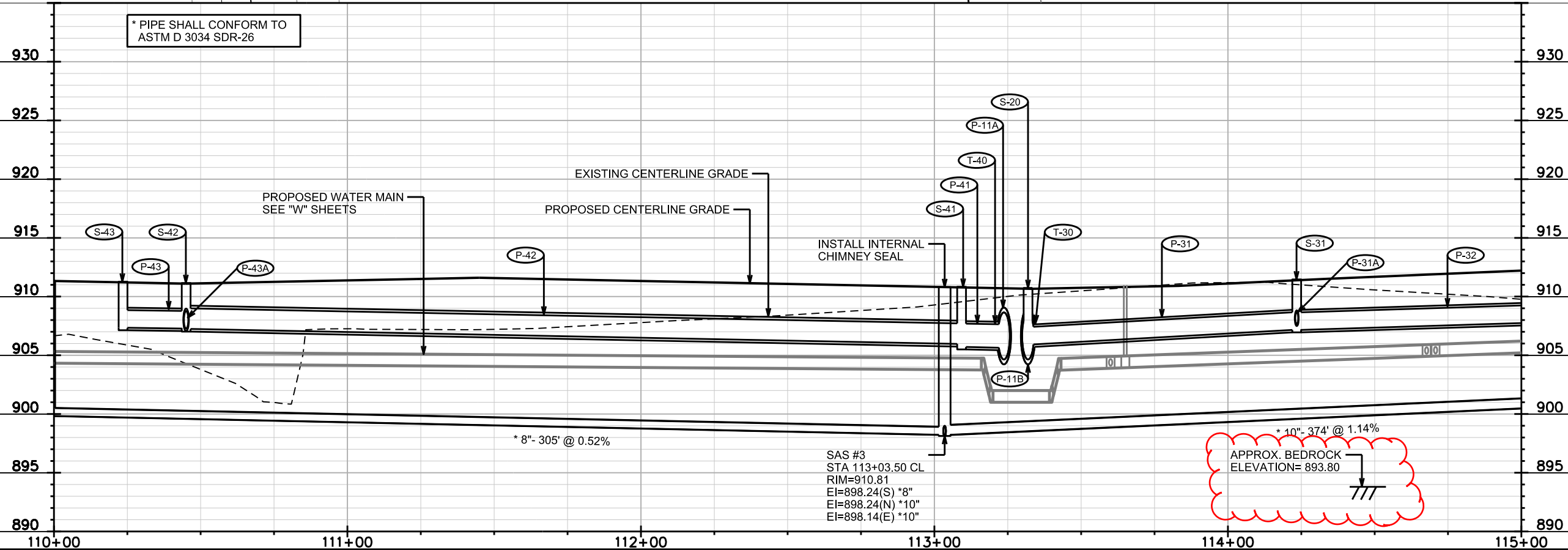
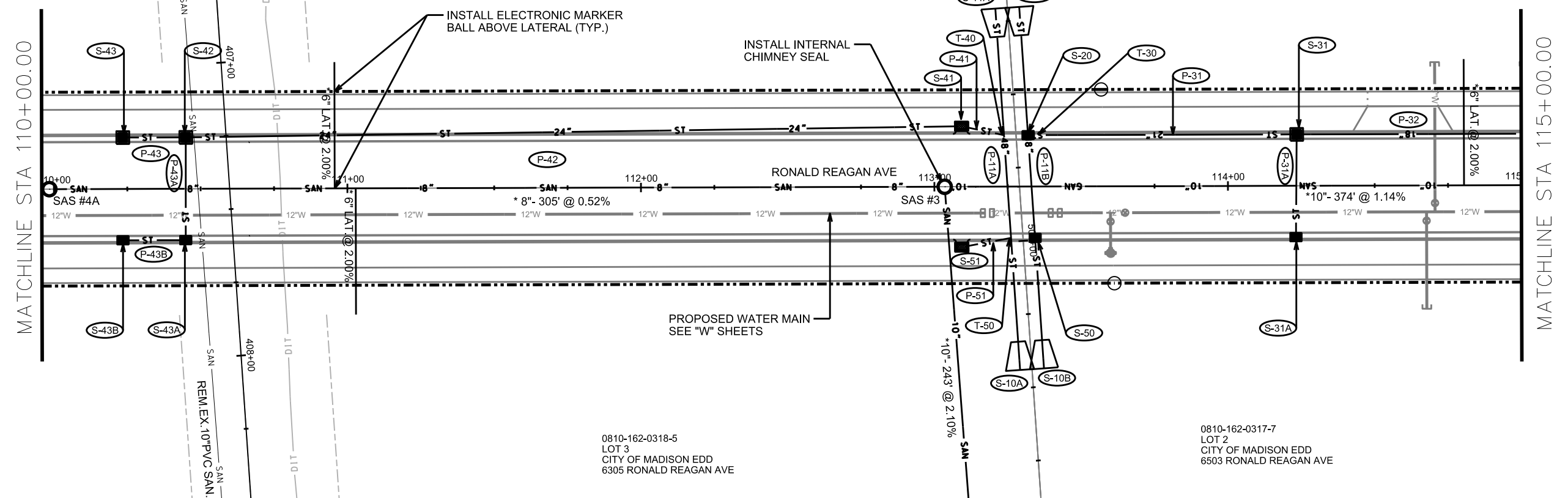
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0810-162-0627-0
HOEPKER CENTER, LLC
6602 RONALD REAGAN AVENUE

0810-162-0628-8
LOT 4
CITY OF MADISON EDD
6304 RONALD REAGAN AVENUE

0810-162-0318-5
LOT 3
CITY OF MADISON EDD
6305 RONALD REAGAN AVE

0810-162-0317-7
LOT 2
CITY OF MADISON EDD
6503 RONALD REAGAN AVE



PLOT SCALE: _____

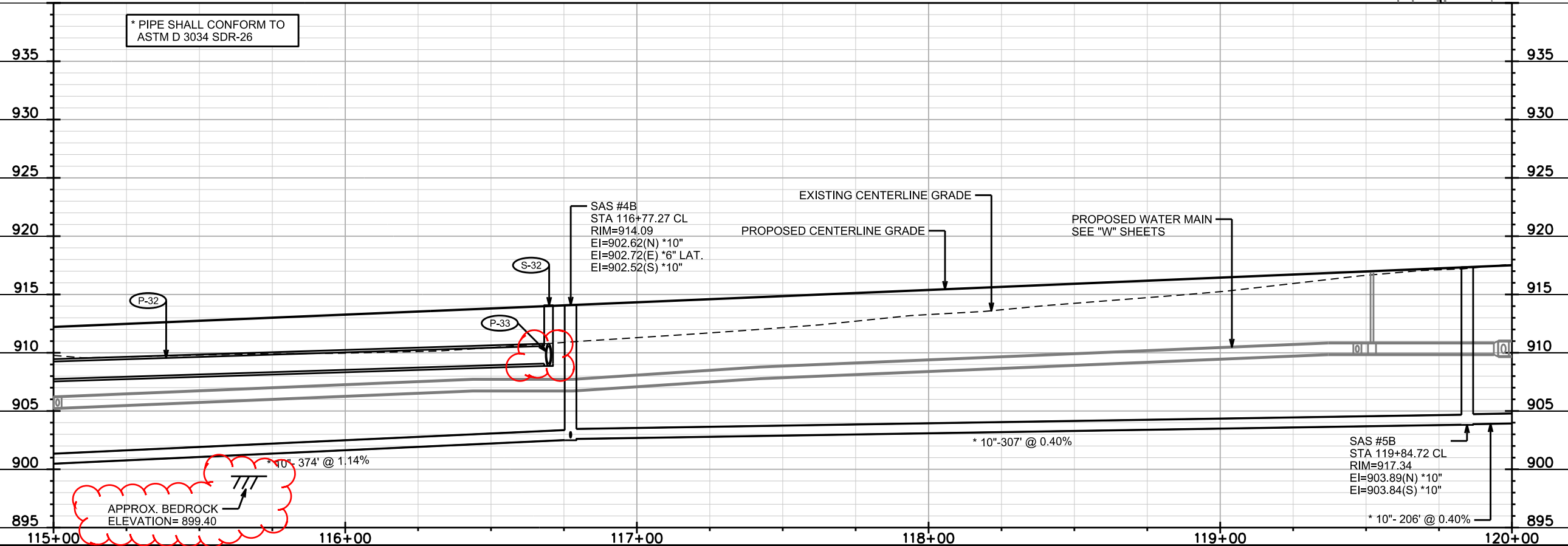
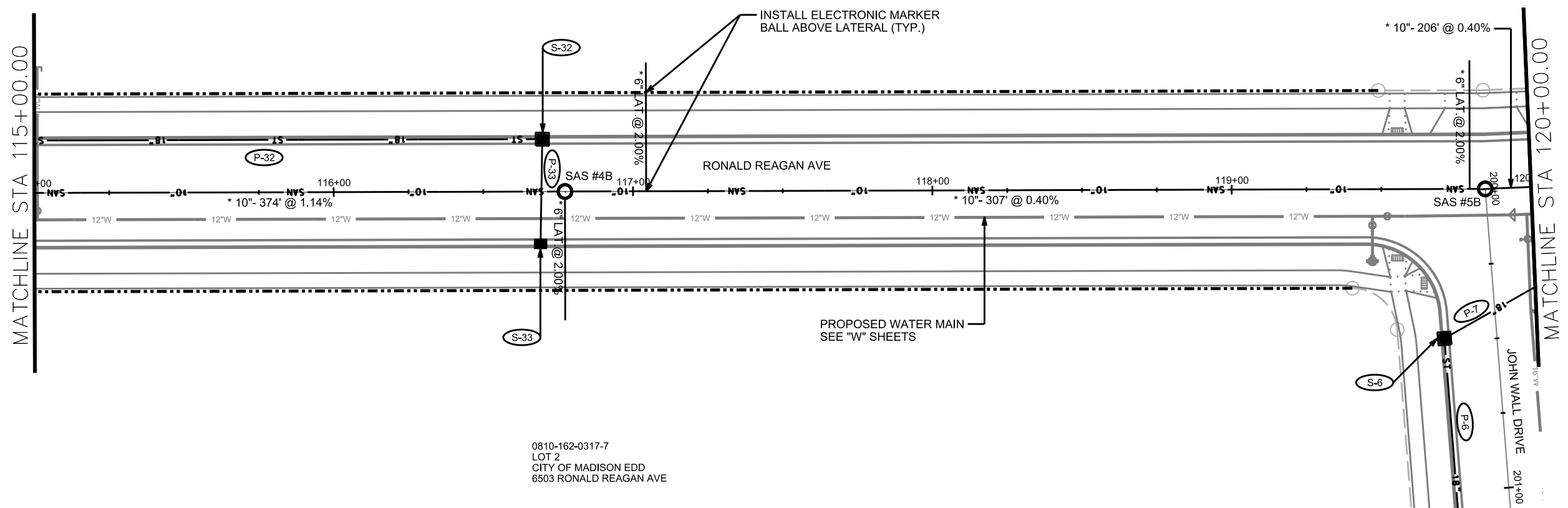
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0810-162-0627-0
HOEPKER CENTER, LLC
6602 RONALD REAGAN AVENUE

0810-162-0317-7
LOT 2
CITY OF MADISON EDD
6503 RONALD REAGAN AVE

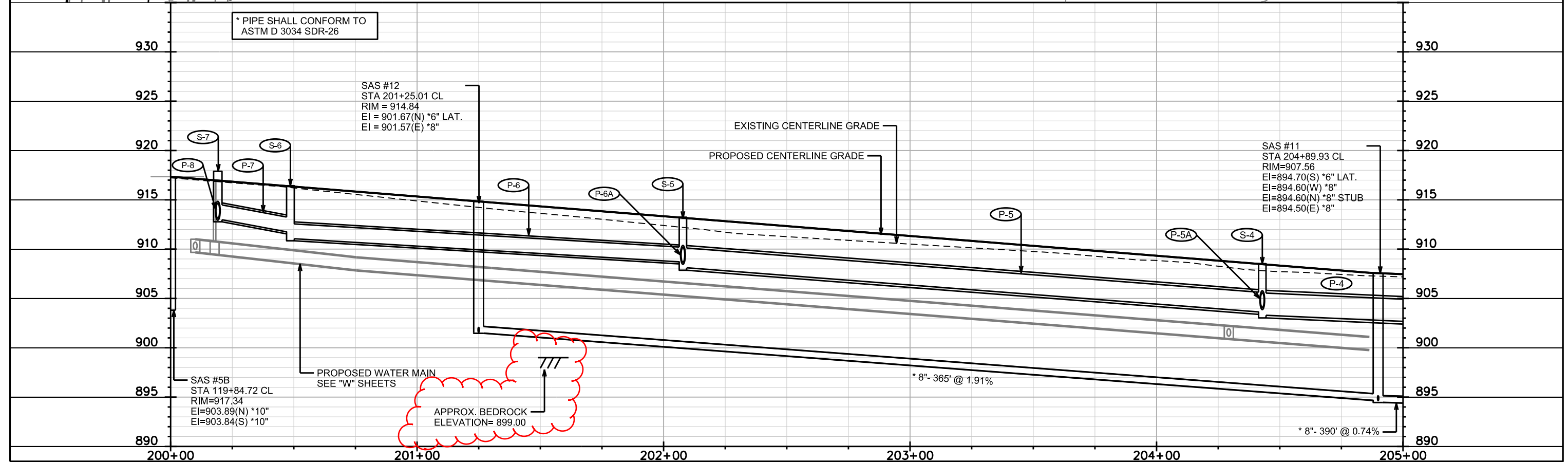
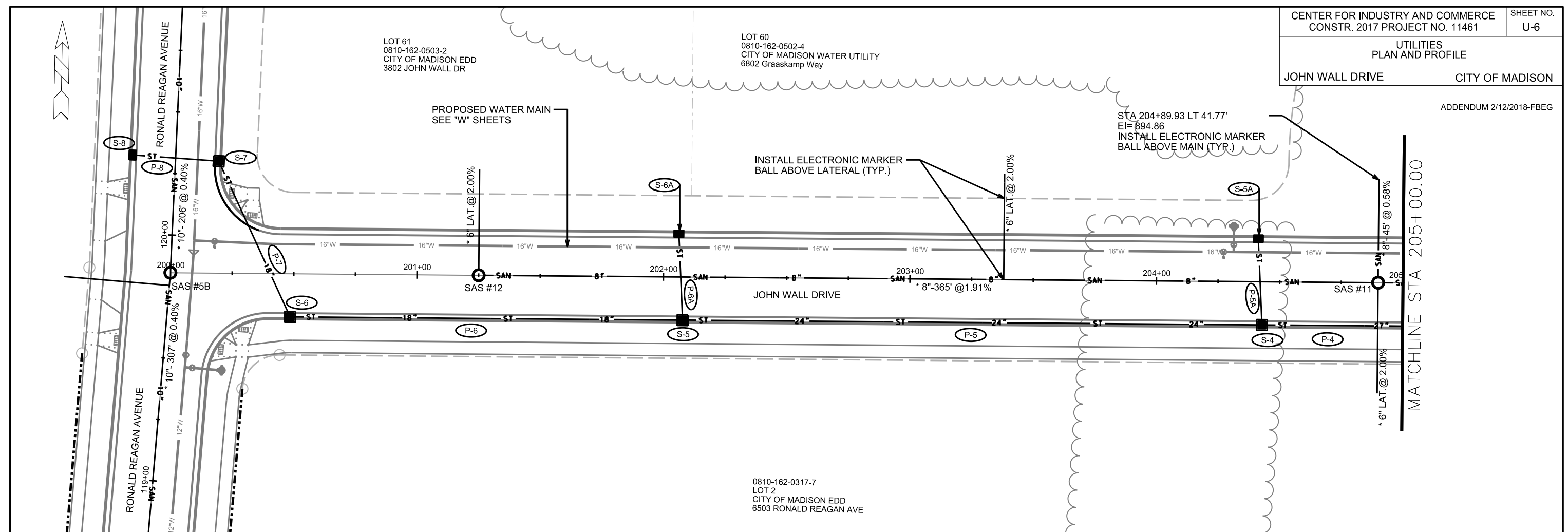


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

LOT 57
0810-162-0407-6
CITY OF MADISON EDD
3818 JOHN WALL DR

LOT 56
0810-162-0406-8
CITY OF MADISON EDD
3826 JOHN WALL DR

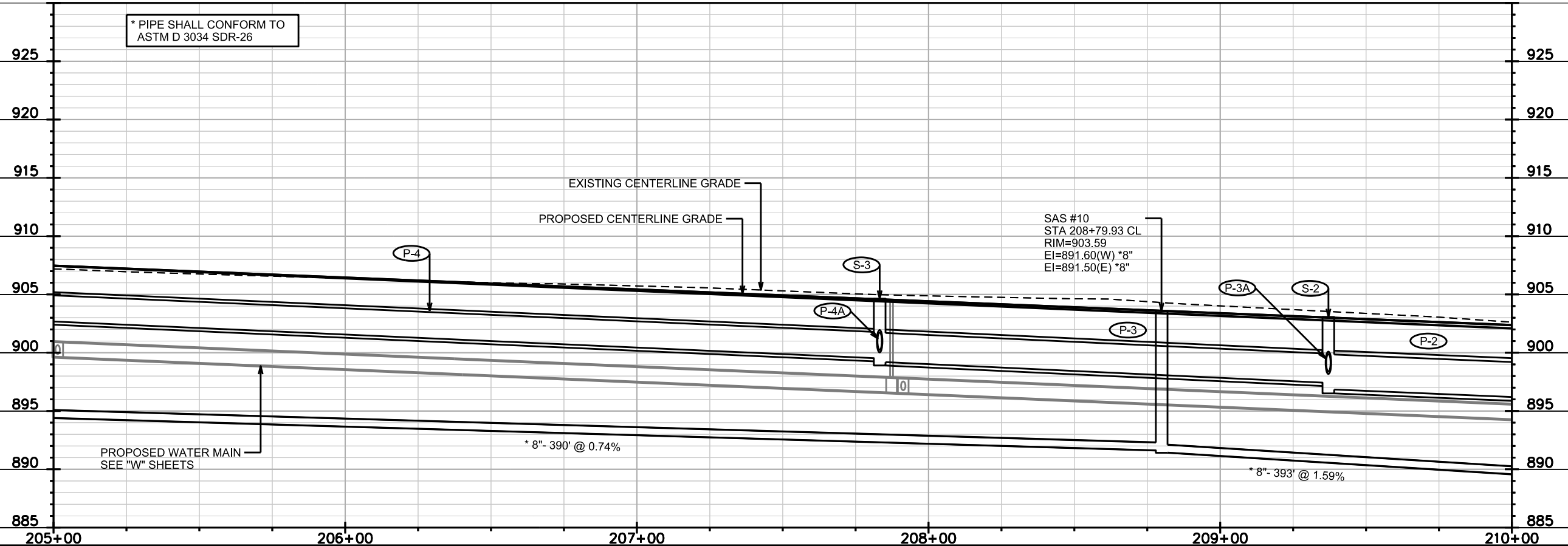
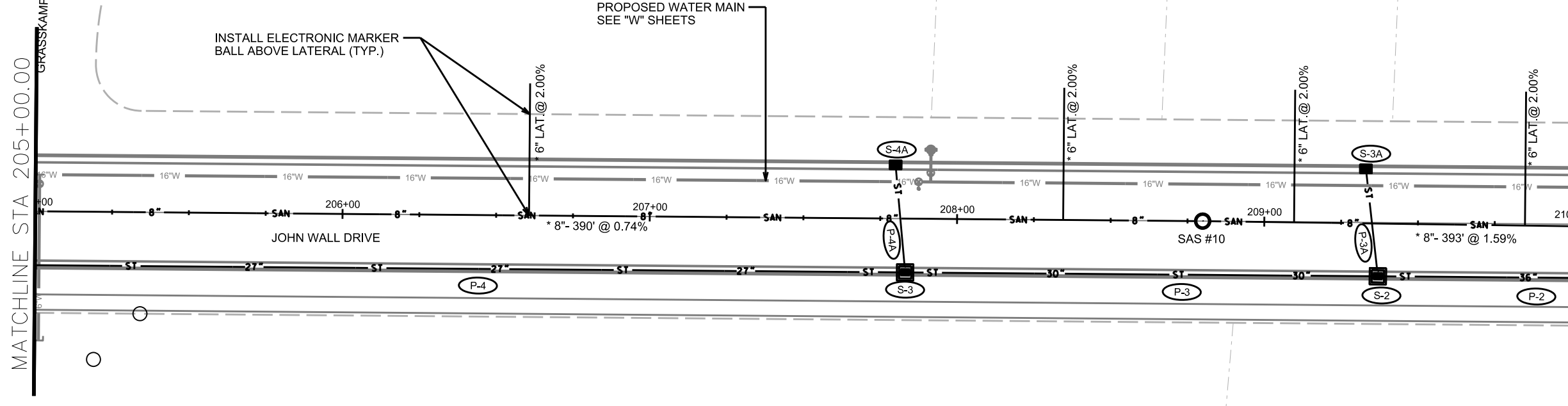
LOT 55
0810-162-0405-0
CITY OF MADISON EDD
3834 JOHN WALL DR

LOT 34
0810-162-0214-5
MOTION W INDUSTRIAL, LLC
3817 JOHN WALL DRIVE

LOT 21
0810-162-0201-2
MOTION W INDUSTRIAL, LL
3833 JOHN WALL DR

MATCHLINE STA 205+00.00

MATCHLINE STA 210+00.00

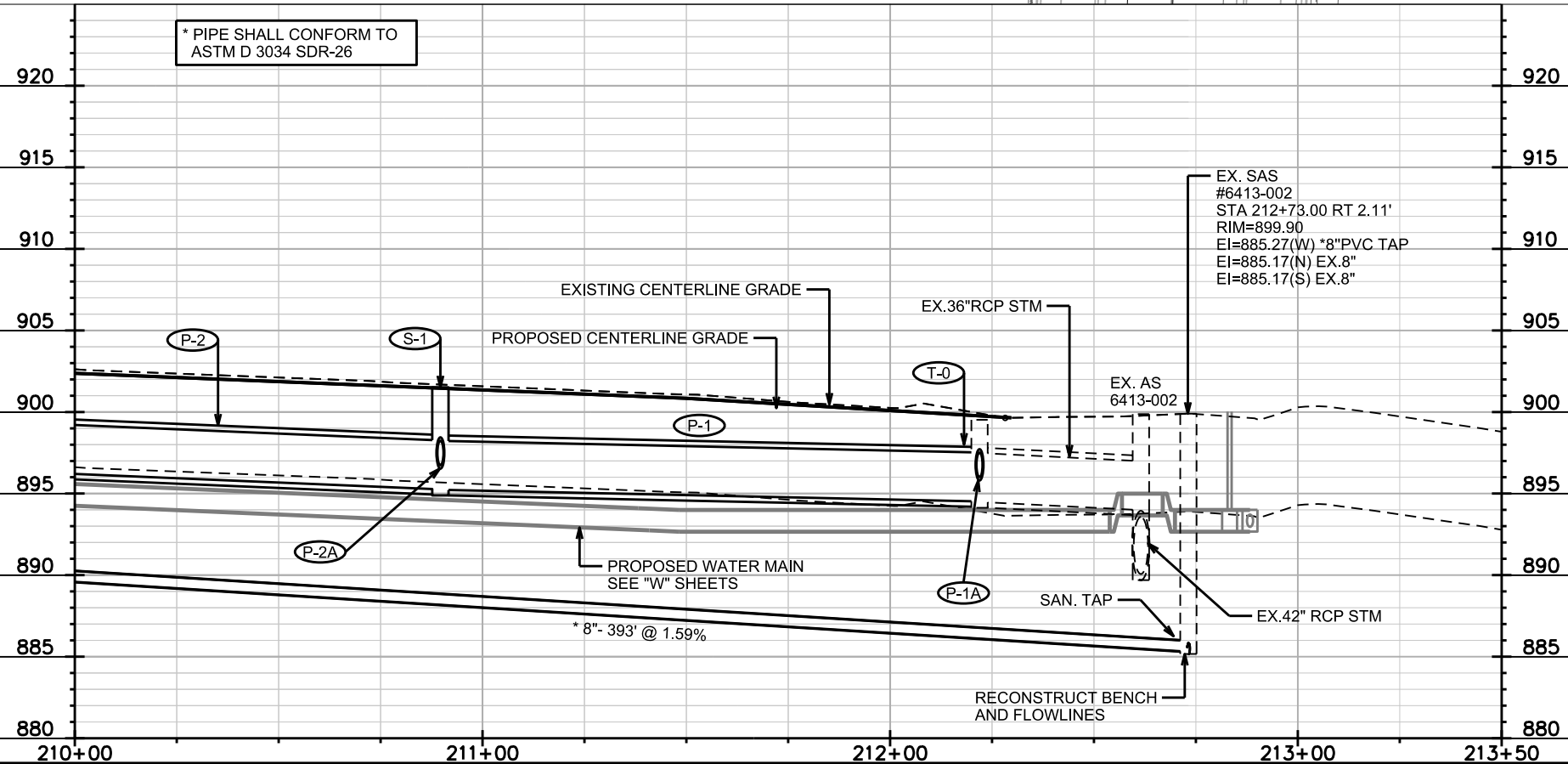
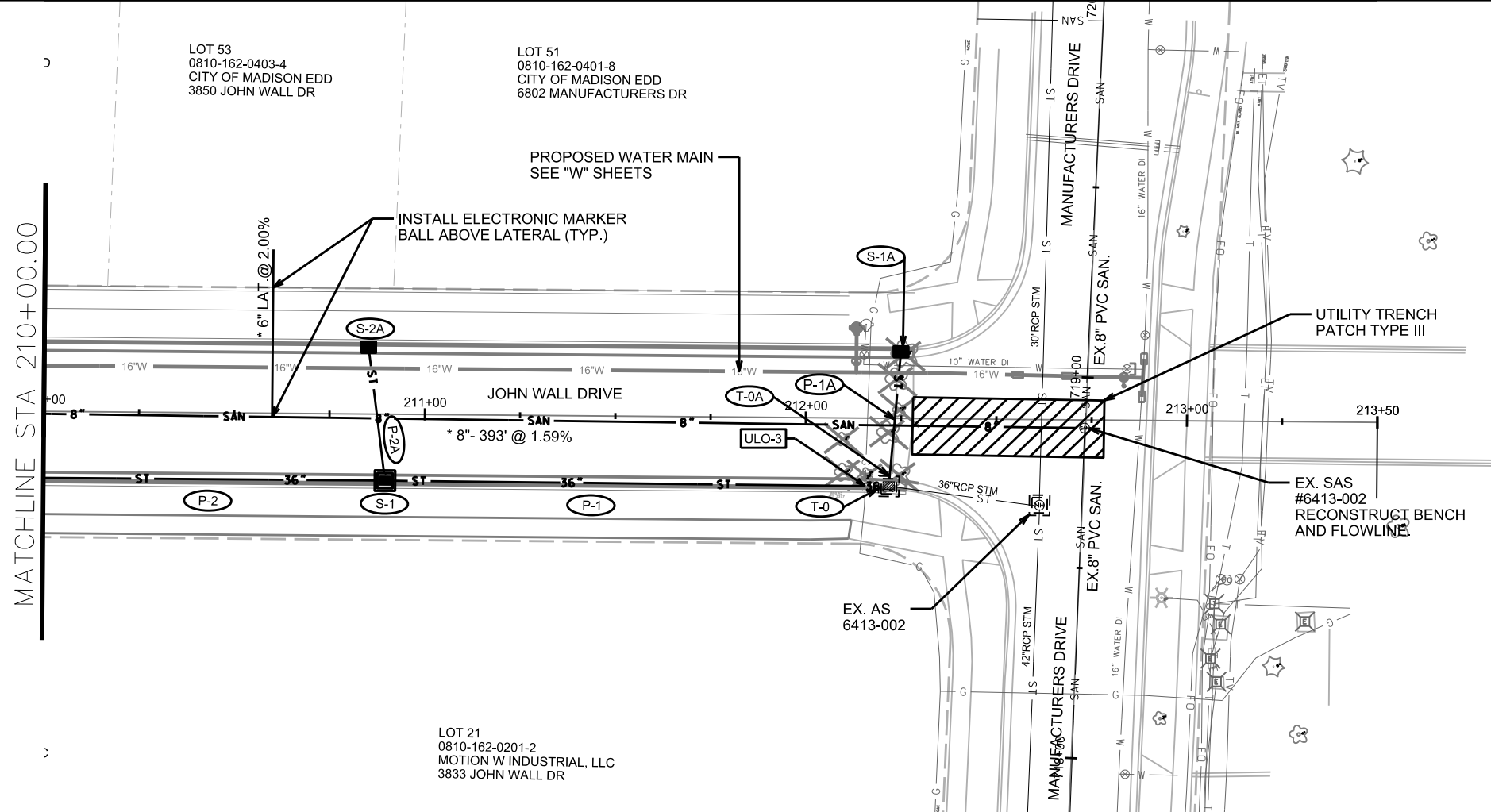


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

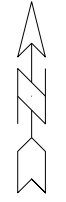


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



0810-162-0627-0
HOEPKER CENTER, LLC
6602 RONALD REAGAN AVENUE

0810-162-0317-7
LOT 2
CITY OF MADISON EDD
6503 RONALD REAGAN AVE

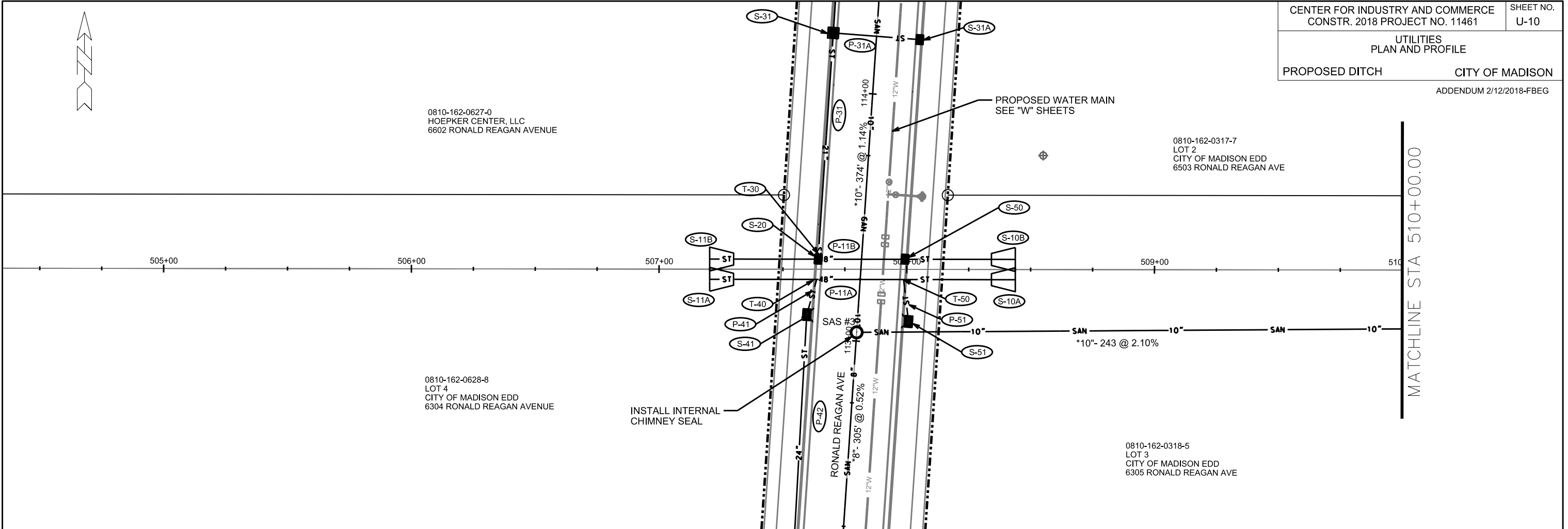
0810-162-0628-8
LOT 4
CITY OF MADISON EDD
6304 RONALD REAGAN AVENUE

0810-162-0318-5
LOT 3
CITY OF MADISON EDD
6305 RONALD REAGAN AVE

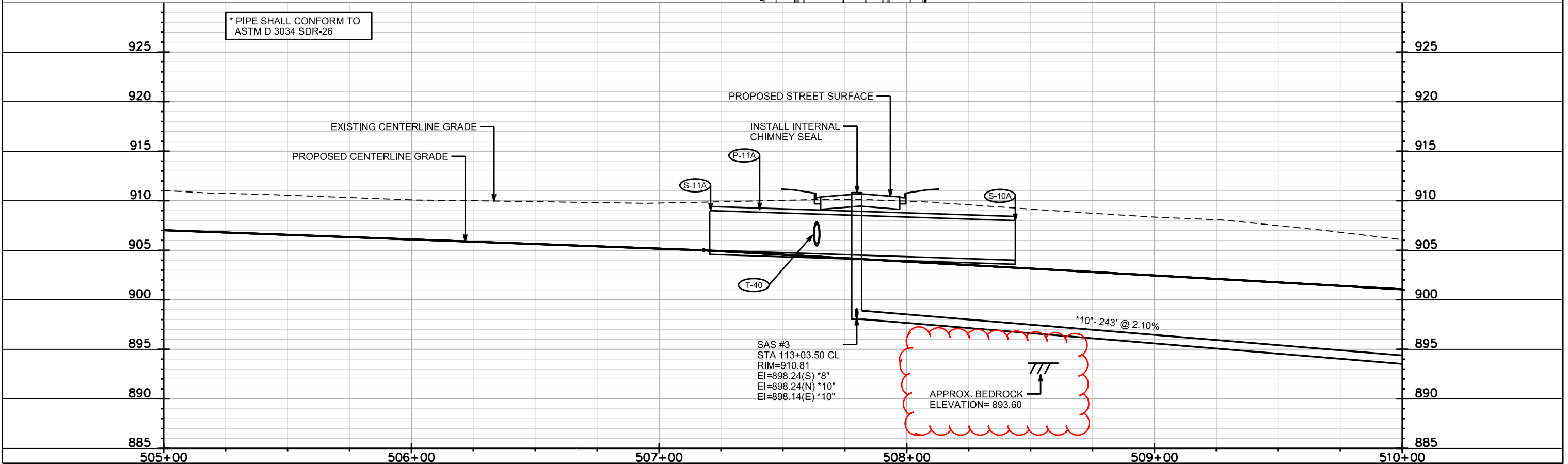
INSTALL INTERNAL
CHIMNEY SEAL

PROPOSED WATER MAIN
SEE "W" SHEETS

MATCHLINE STA 510+00.00



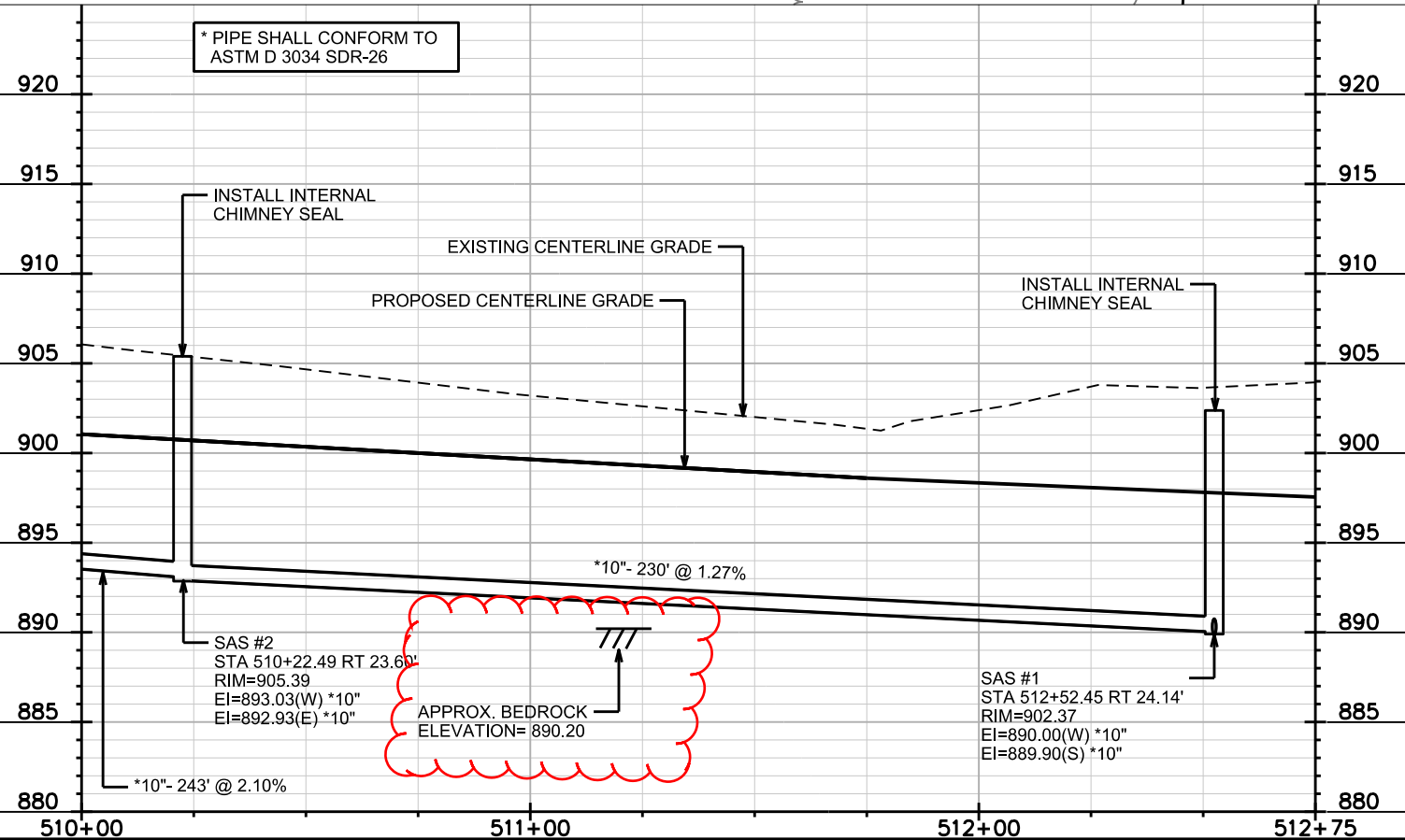
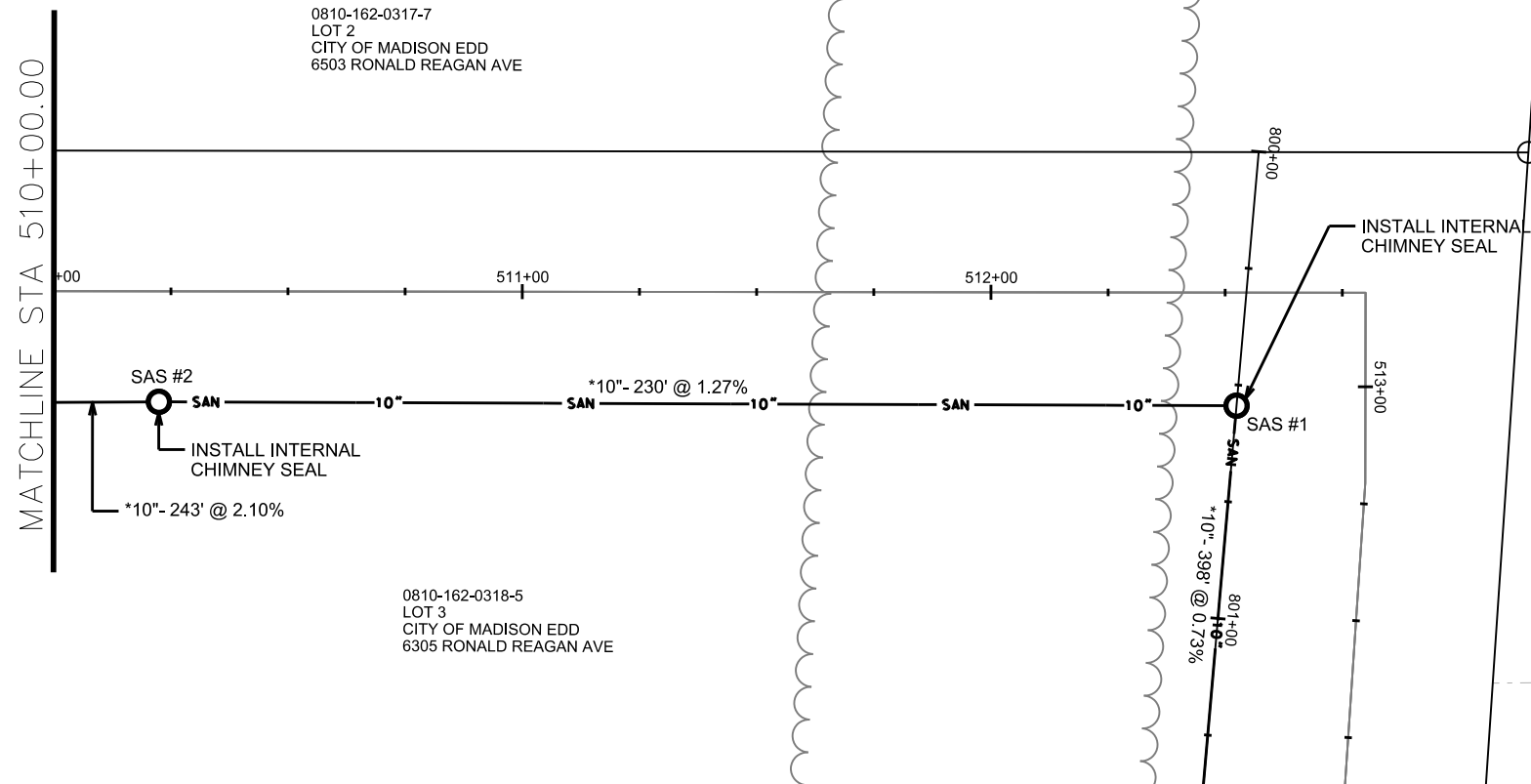
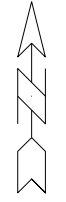
* PIPE SHALL CONFORM TO
ASTM D 3034 SDR-26



SAS #3
STA 113+03.50 CL
RIM=910.81
EI=898.24(S) *8"
EI=898.24(N) *10"
EI=898.14(E) *10"

APPROX. BEDROCK
ELEVATION= 893.60

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



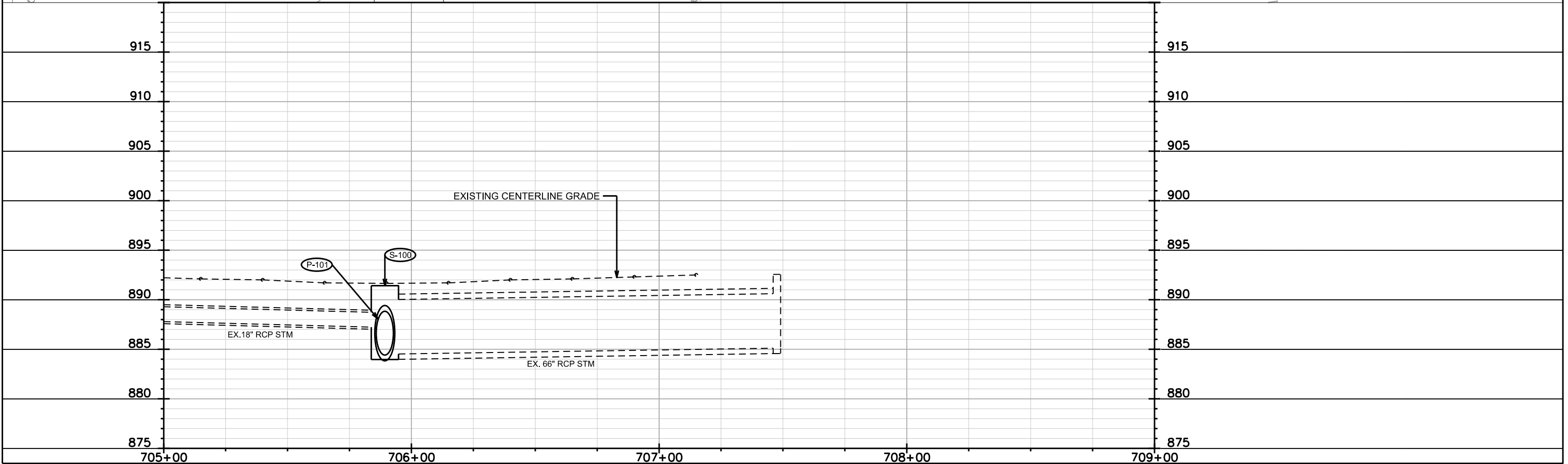
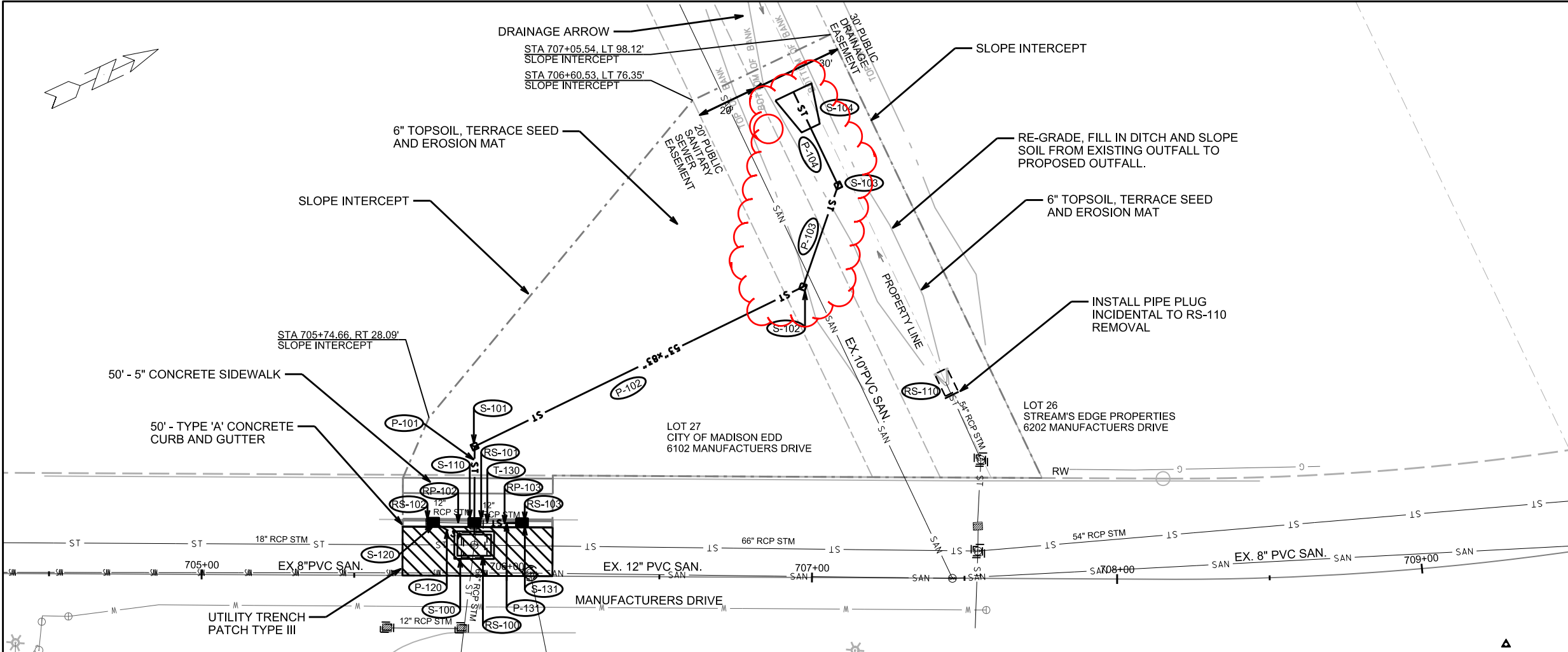
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

ADDENDUM 2/12/2018-FBEG



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER SCHEDULE

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET) FT	TYPE	NOTES
RONALD REGAN					
RS-10	AE 6314-009	305+00.27	RT-63.86	AE	[1]
MERCHANT STREET					
RS-20	AE 6314-008	305+00.27	RT-63.86	AE	[1]
RS-21	AS 6314-007	304+95.83	RT-38.30	SAS	-
RS-22	AS 6314-002	305+02.97	LT-8.68	SAS	-
RS-23	AS 6314-004	304+99.01	LT-38.12	SAS	-
RS-24	AE 6314-005	304+98.13	LT-60.28	AE	[1]
RS-25	AS 6314-001	304+91.19	LT-9.71	SAS	-
RS-26	IN 6314-006	304+89.45	RT-17.15	H INLET	-
RS-27	IN 6314-003	304+90.65	LT-16.98	H INLET	-
RS-28	IN 6314-009	303+46.46	LT-17.51	H INLET	-
RS-29	IN 6315-080	300+44.72	LT-17.23	H INLET	-
RS-1	IN 6315-005	104+54.44	LT-19.18	H INLET	-
RS-2	IN 6315-006	104+77.41	RT-10.10	H INLET	-
RS-3	IN 6315-083	600+54.36	RT-15.32	H INLET	-
EXISTINTG DITCH					
RS-53	AS 6414-013	412+25.50	LT-4.28	SAS	-
RS-54	AS 6414-014	411+99.60	LT-15.13	SAS	-
RS-55	AE 6314-010	411+70.69	LT-14.39	AE	[1]
PROPOSED DITCH					
RS-50	AE 6414-002	804+57.24	LT-97.02	AE	[1]
RS-51	AS 6414-011	804+60.51	LT-64.29	SAS	-
RS-52	AS 6414-010	804+55.79	LT-13.16	SAS	-
MANUFACTURERS DRIVE					
RS-100	AS 6414-001	705+89.27	LT-10.06	SAS	-
RS-101	IN 6414-019	705+90.01	LT-17.04	H INLET	-
RS-102	IN 6414-021	705+75.80	LT-17.50	H INLET	-
RS-103	IN 6414-020	706+04.88	LT-17.50	H INLET	-
* RS-110	AE 6414-006	707+41.88	LT-67.82	AE	[1]

ULOs

NO.	STATION	LOCATION	TYPE	NOTES
RONALD REAGAN AVANUE				
ULO-1	123+87.18	LT-43.51	TEL.	-
ULO-2	123+91.09	RT-25.71	TEL.	-
JOHN WALL DRIVE				
ULO-3	212+15.71	RT-17.57	GAS	-

*10 UNDISTRIBUTED ULOs

SPECIAL NOTES:

[1] PAID AS BID ITEM 20313 (REMOVE INLET)

REMOVE STORM SEWER PIPE

REMOVE NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	PAID LENGTH(FT)	PIPE SIZE (IN)	TYPE	NOTES
RONALD REGAN								
RP-11	RS-10	S-60	30.0	Y	30.0	15	RCP	-
MERCHANT STREET								
RP-21	RS-20	RS-21	29.5	Y	29.5	42	RCP	-
RP-22	RS-21	RS-22	47.5	Y	47.5	42	RCP	-
RP-23	RS-22	RS-23	29.5	Y	29.5	36	RCP	-
RP-24	RS-23	RS-24	22.5	Y	22.5	36	RCP	-
RP-25	RS-22	RS-25	12.0	Y	12.0	18	RCP	-
RP-26	RS-25	RS-26	27.0	Y	27.0	12	RCP	-
RP-27	RS-25	RS-27	7.5	Y	7.5	12	RCP	-
RP-28	RS-25	RS-28	146.0	Y	146.0	18	RCP	-
RP-29	RS-28	RS-29	306.5	Y	306.5	18	RCP	-
RP-1	S-80	RS-1	28.5	Y	28.5	12	RCP	-
RP-2	RS-1	RS-2	38.0	Y	38.0	12	RCP	-
RP-3	RS-1	RS-3	295.5	Y	295.5	12	RCP	-
EXISTINTG DITCH								
RP-54	RS-53	RS-54	28.0	Y	28.0	48	RCP	-
RP-55	RS-54	RS-55	33.0	Y	33.0	48	RCP	-
PROPOSED DITCH								
RP-51	RS-50	RS-51	29.0	Y	29.0	48	RCP	-
RP-52	RS-51	RS-52	51.0	Y	51.0	48	RCP	-
RP-53	RS-52	RS-53	162.0	Y	162.0	48	RCP	-
RP-53A	RS-52	S-91	30.0	Y	30.0	24	RCP	-
MANUFACTURERS DRIVE								
RP-101	RS-100	RS-101	3.0	N	0.0	15	RCP	-
RP-102	RS-101	RS-102	12.5	Y	12.5	12	RCP	-
RP-103	RS-101	RS-103	13.0	N	13.0	12	RCP	-

SPECIFIC 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.

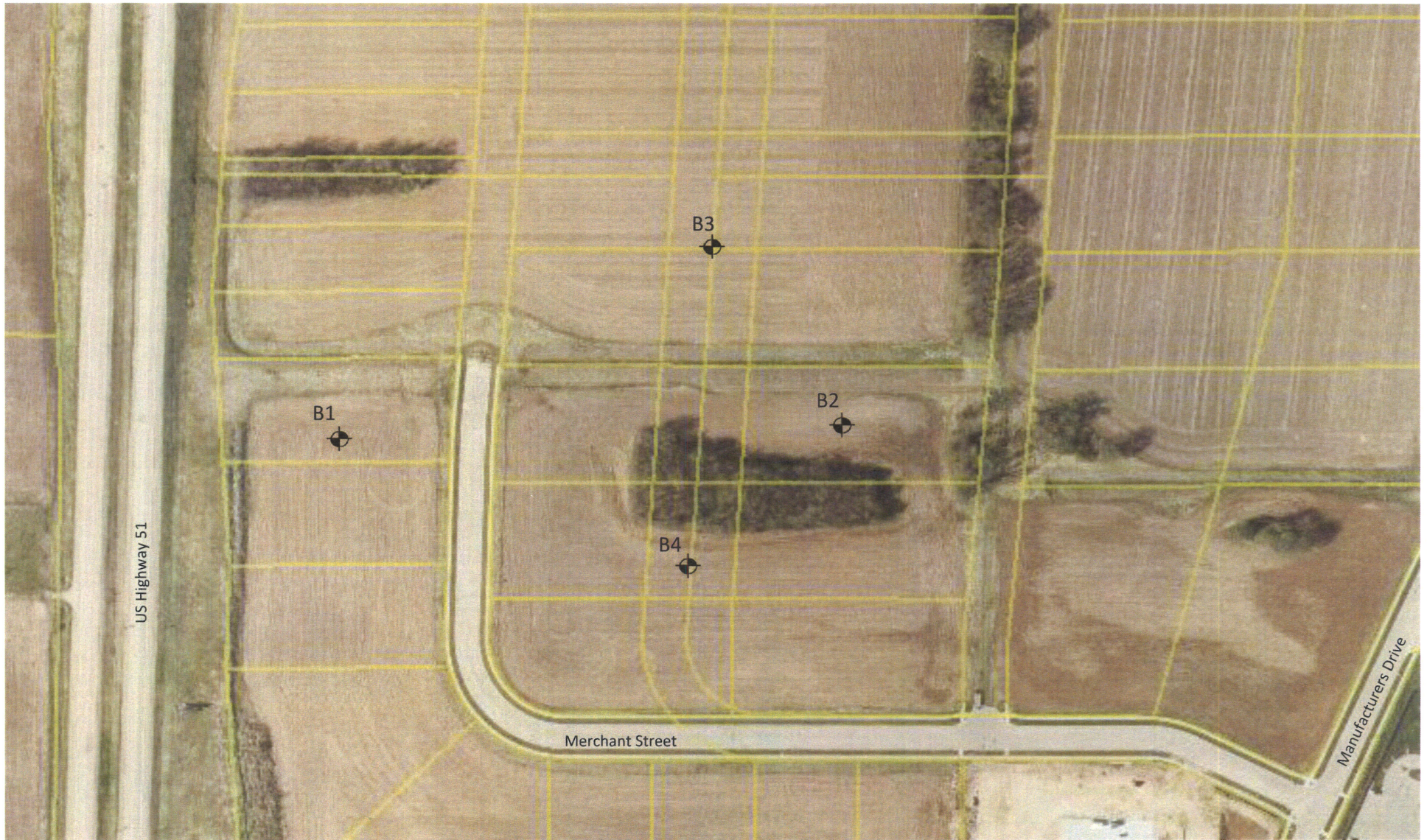
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.

- 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 FADI EL MUSA OF CITY ENGINEERING AT (608) 243-5214 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608) 264-9275, OR EMAIL SHOP DRAWINGS TO FELMUSAGONZALEZ@CITYOFMADISON.COM



Legend

⊕ Denotes Boring Location



Notes

1. Soil borings performed by Badger State Drilling in February 2018
2. Boring locations are approximate.

Scale: Reduced

<p>Date: 2/2018</p>		<p>Soil Boring Location Plan Merchant Street Grading Madison, WI</p>
<p>Job No. C17051-55</p>		

LOG OF TEST BORING



Project Merchant Street Grading
 Location Madison, WI

Boring No. 1
 Surface Elevation (ft) 916±
 Job No. C17051-55
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					0	FILL: Dark Brown Clayey Topsoil to 1.5 ft				
1		18	M	38*	1.5	Brown Silty Sand, Trace Clay and Gravel to 3 ft				
					5	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)				
2		16	M	20	5					
3		18	M	15	10	Weathered to Competent, Light Tan to White Sandstone Bedrock				
4		12	M	89/7"	10	End of Boring at 10 ft Due to Auger Refusal on Competent Bedrock				
					15	Backfilled with bentonite chips				
					20	*Sample 1 Frozen (N 43° 09.641', W 89° 19.398')				

WATER LEVEL OBSERVATIONS	GENERAL NOTES
While Drilling <input checked="" type="checkbox"/> <u>NW</u> Upon Completion of Drilling <input type="checkbox"/> <u>NW</u> Time After Drilling _____ Depth to Water _____ Depth to Cave in _____	Start <u>2/8/18</u> End <u>2/8/18</u> Driller <u>BSD</u> Chief <u>DB</u> Rig <u>D-50</u> Logger <u>DC</u> Editor <u>ESF</u> Drill Method <u>2.25 HSA; Autohammer</u>
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.	



LOG OF TEST BORING

Project Merchant Street Grading
 Location Madison, WI

Boring No. 2
 Surface Elevation (ft) 901±
 Job No. C17051-55
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					15 in. Dark Brown Silty TOPSOIL					
1		16	M	12*	Medium Stiff to Stiff, Brown Lean CLAY (CL)					
2		12	M	9		(1.0)				
3		16	M	16	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
4		18	M	23						
5		0		50/0"	End of Boring at 13.6 ft Due to Auger Refusal on Apparent Bedrock					
					Backfilled with bentonite chips					
					*Sample 1 Frozen					
					(N 43° 09.635', W 89° 19.218')					

WATER LEVEL OBSERVATIONS

While Drilling ∇ NW Upon Completion of Drilling NW
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

GENERAL NOTES

Start 2/8/18 End 2/8/18
 Driller BSD Chief DB Rig D-50
 Logger DC Editor ESF
 Drill Method 2.25 HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

LOG OF TEST BORING



Project Merchant Street Grading
 Location Madison, WI

Boring No. 3
 Surface Elevation (ft) 908±
 Job No. C17051-55
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					18 in. Black Clayey TOPSOIL					
1		8	M	12*	Very Stiff, Brown Lean CLAY (CL)	(3.0)				
2		18	M	15	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
3		14	M	20						
4		18	M	19						
5		1	M	26						
					End of Boring at 15 ft					
					Backfilled with bentonite chips					
					Note: *Sample 1 Partially Frozen					
					(N 43° 09.675', W 89° 19.288')					

WATER LEVEL OBSERVATIONS	GENERAL NOTES
While Drilling <u>∇ NW</u> Upon Completion of Drilling <u>NW</u> Time After Drilling _____ Depth to Water _____ Depth to Cave in _____	Start <u>2/8/18</u> End <u>2/8/18</u> Driller <u>BSD</u> Chief <u>DB</u> Rig <u>D-50</u> Logger <u>DC</u> Editor <u>ESF</u> Drill Method <u>2.25 HSA; Autohammer</u>
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.	



LOG OF TEST BORING

Project Merchant Street Grading
 Location Madison, WI

Boring No. 4
 Surface Elevation (ft) 908±
 Job No. C17051-55
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					0	14 in. Dark Brown Silty TOPSOIL				
1	█	11	M	18*	1	Brown Sandy Lean CLAY, Trace to Little Gravel (CL - Possible Fill)				
					5	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)				
2	█	16	M	18	5	Apparent Weathered to Competent Bedrock End of Boring at 8.5 ft Due to Auger Refusal on Apparent Bedrock Backfilled with Soil Cuttings *Sample 1 Frozen (N 43° 09.598', W 89° 19.283')				
3	█	15	M	23	10					
					15					
					20					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling NW Upon Completion of Drilling NW
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start 2/8/18 End 2/8/18
 Driller BSD Chief DB Rig D-50
 Logger DC Editor ESF
 Drill Method 2.25 HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.