

Department of Public Works

Engineering Division

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

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February 12, 2018

Assistant City Engineer

Gregory T. Fries, P.E. 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

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 choses 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.

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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

IANUARY 2, 2018

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

PUBLIC IMPROVEMENT PROJECT APPROVED





CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS PLAN OF PROPOSED IMPROVEMENT

RONALD REAGAN AVENUE, JOHN WALL DRIVE AND MERCHANT STREET ASSESSMENT DISTRICT - 2017 INDEX OF SHEETS TYPICAL SECTIONS

> CITY PROJECT NO. 11461 CONTRACT NO. 7843

SHEET NO. DI-D2 PLAN DETAIL SHEET NO. D3 MASS GRADING PLAN SHEET NO. D4 MERCHANT STREET REMOVAL PLAN SHEET NO. D5 SHEET NO. AI ALIGNMENT PLAN SHEET NO. ECI-ECI7 EROSION CONTROL PLAN SHEET NO. DDI-DD4 DRAINAGE DITCH PLAN & PROFILES SHEET NO. PI-P8 STREET PLAN & PROFILES

SEWERS PLAN & PROFILES SHEET NO. U1-U17 SHEET NO. U18-U20 SEWER SCHEDULES SHEET NO. WI-W7 WATER PLAN & PROFILES SHEET NO. W8 MERCHANT STREET REMOVAL SHEET NO. W9-W10 WATER IMPACT PLANS SHEET NO. WII WATER ESTIMATE OF MATERIALS & DETAILS

SHEET NO. TCI-TC4 DETOUR PLANS SHEET NO. TC5-TC5 TRAFFIC CONTROL PLANS SHEET NO. XI-XI8 RONALD REAGAN CROSS SECTIONS SHEET NO. X19-X27 JOHN WALL DRIVE CROSS SECTIONS

SHEET NO. X28-X35 MASS GRADING CROSS SECTIONS

PROJECTLOCATION

CONVENTIONAL SIGNS

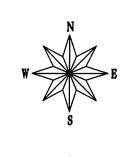
FIELD VERIFY ALL UTILITY LOCATIONS STORM SEWER

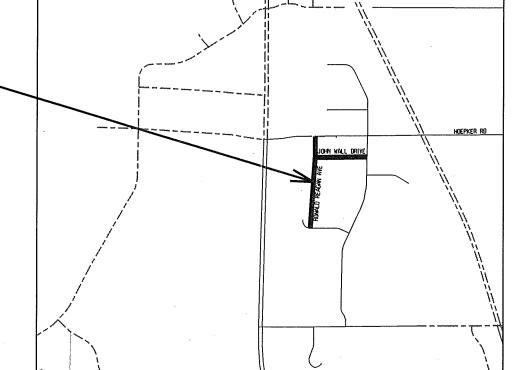
SANITARY SEWER OVERHEAD ELECTRIC POWER POLE

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

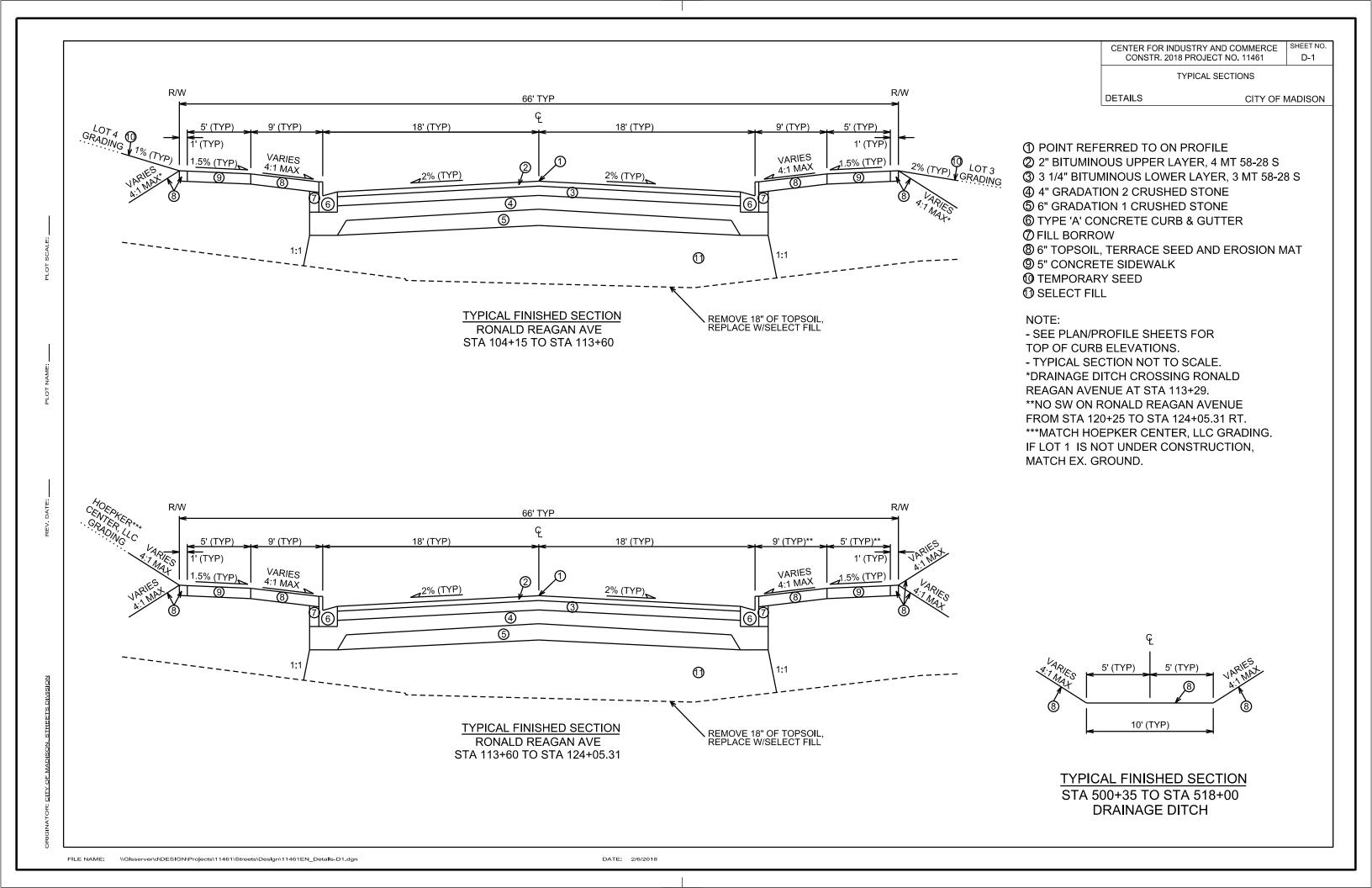
SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF I" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%

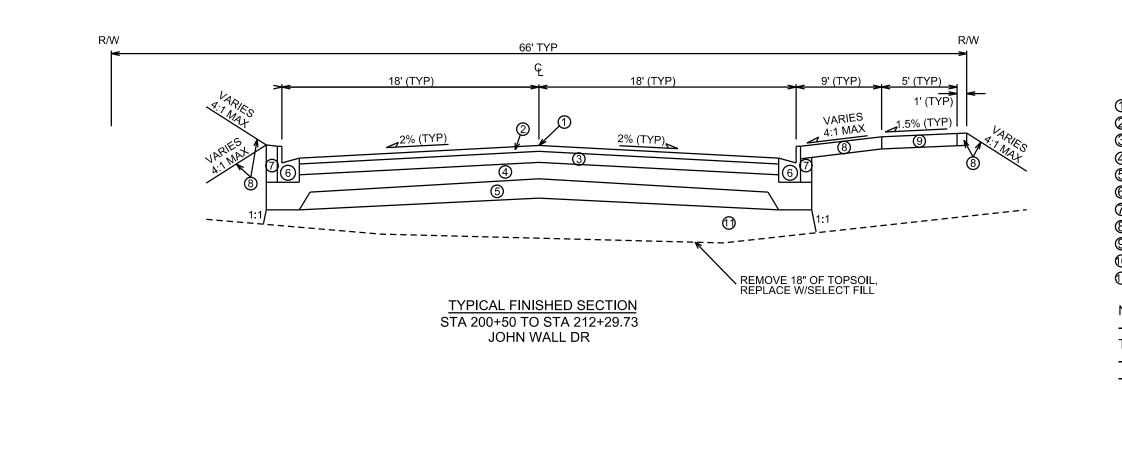




EARTH WORK SUMMARY:	
EXCAVATION CUT	16,000 C.Y.
TOPSOIL STRIPING	67,800 C.Y.
MERCHANT STREET EXCAVATION	3,000 C.Y
ESTIMATED SREET UNDERCUT	2,250 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT (MEASURED PLAN QUANTITY	•

TOTAL FILL BORROW (MEASURED PLAN QUANTITY). TOTAL SELECT FILL (MEASURED PLAN QUANTITY)... .14,000 TON BREAKER RUN UNDERCUT (MEASURED PLAN QUANTITY)...





CENTER FOR INDUSTRY AND COMMERCE CONSTR. 2018 PROJECT NO. 11461 D-2

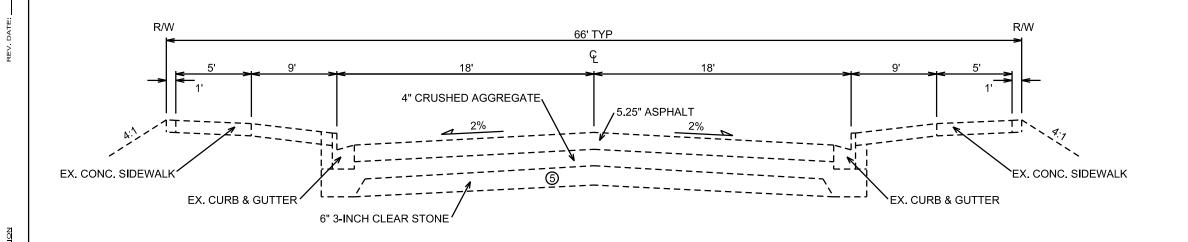
TYPICAL SECTIONS

DETAILS CITY OF MADISON

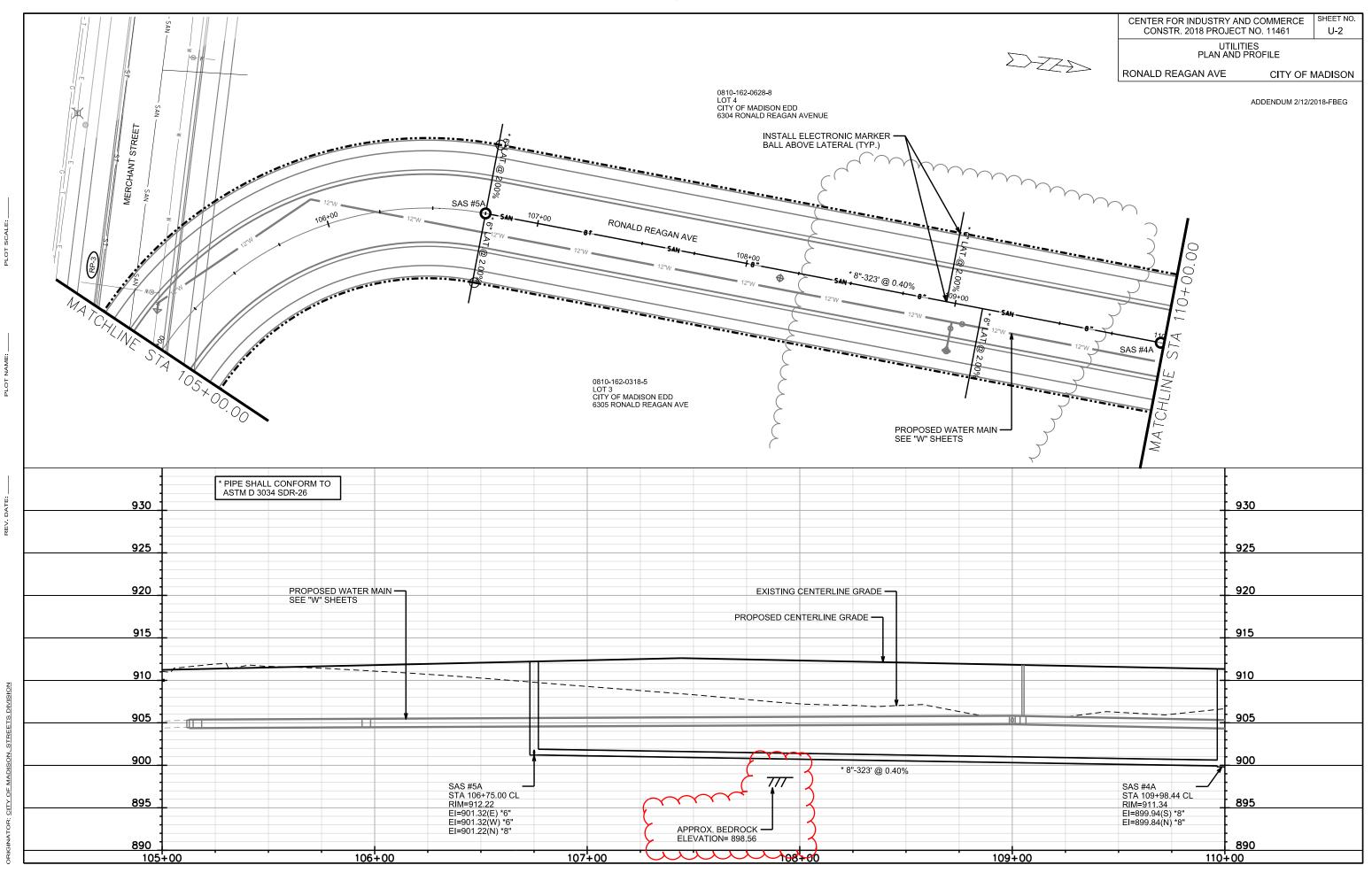
- ① POINT REFERRED TO ON PROFILE
- ② 2" BITUMINOUS UPPER LAYER, 4 MT 58-28 S
- ③ 3 1/4" BITUMINOUS LOWER LAYER, 3 MT 58-28 S
- **4" GRADATION 2 CRUSHED STONE**
- **⑤** 6" GRADATION 1 CRUSHED STONE
- **©** TYPE 'A' CONCRETE CURB & GUTTER
- **®** 6" TOPSOIL, TERRACE SEED AND EROSION MAT
- 9 5" CONCRETE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

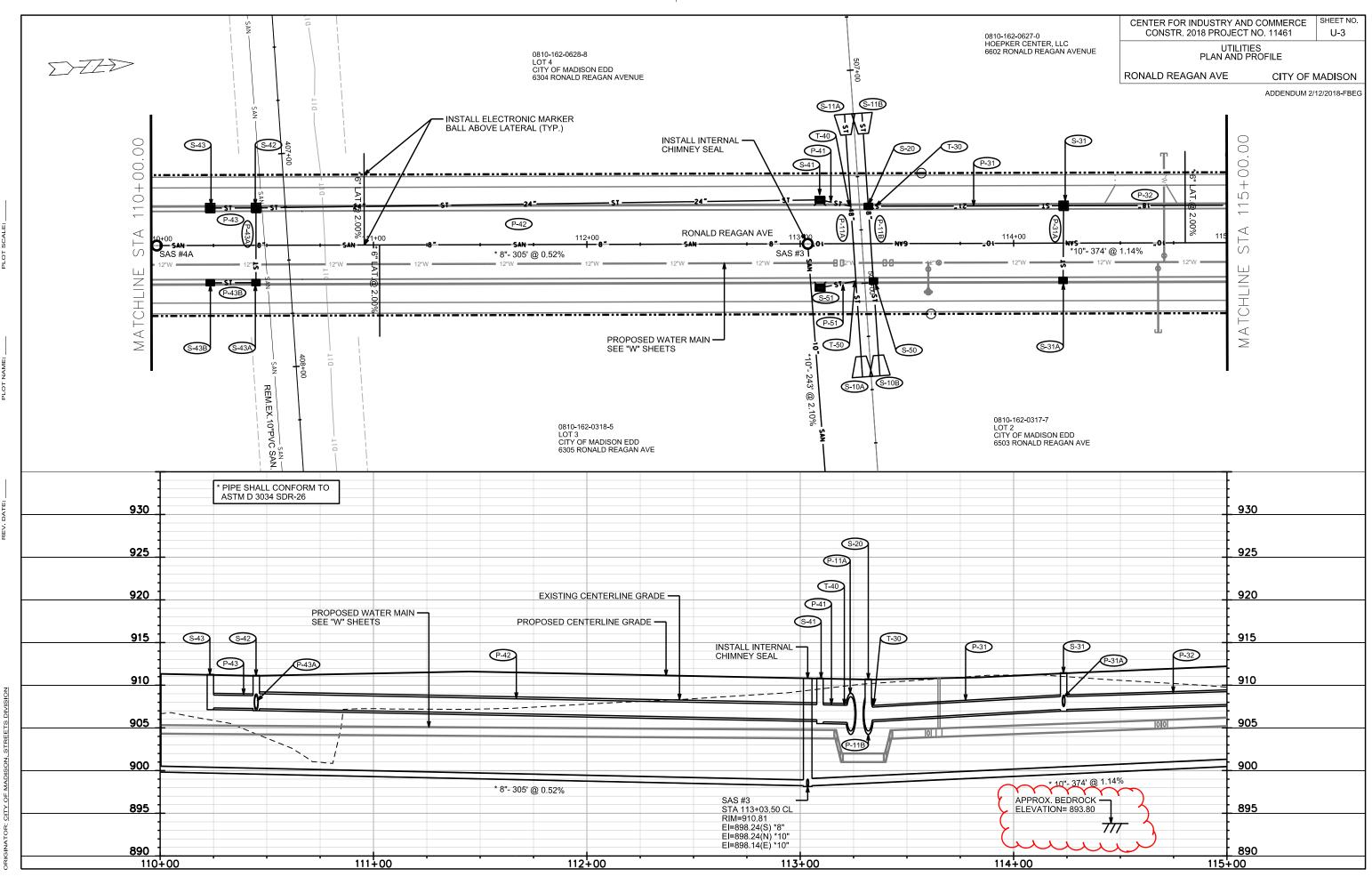
NOTE:

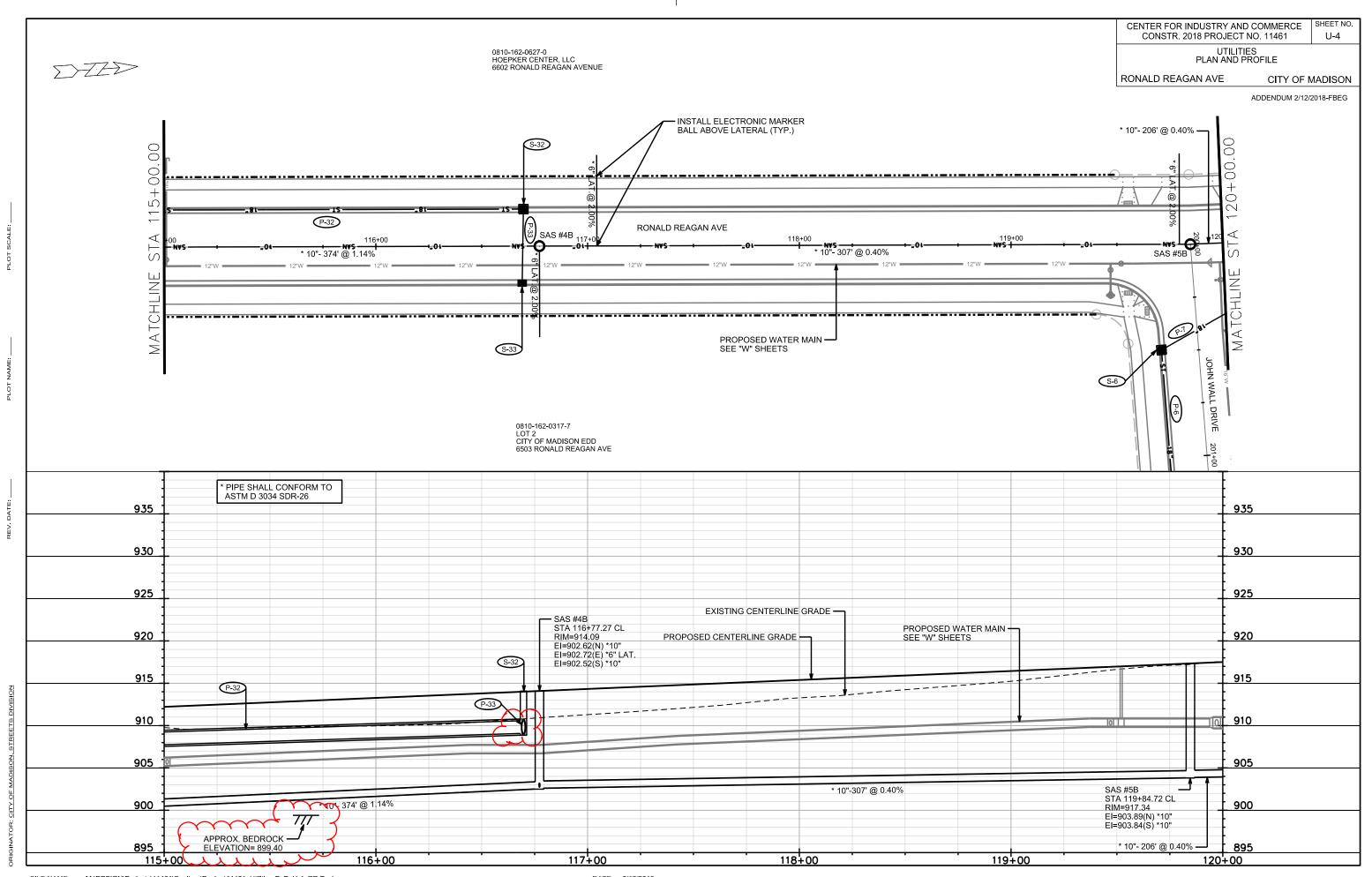
- SEE PLAN/PROFILE SHEETS FOR TOP OF CURB ELEVATIONS.
- TYPICAL SECTION NOT TO SCALE.
- NO SW ON NORTH SIDE OF JOHN WALL DR.

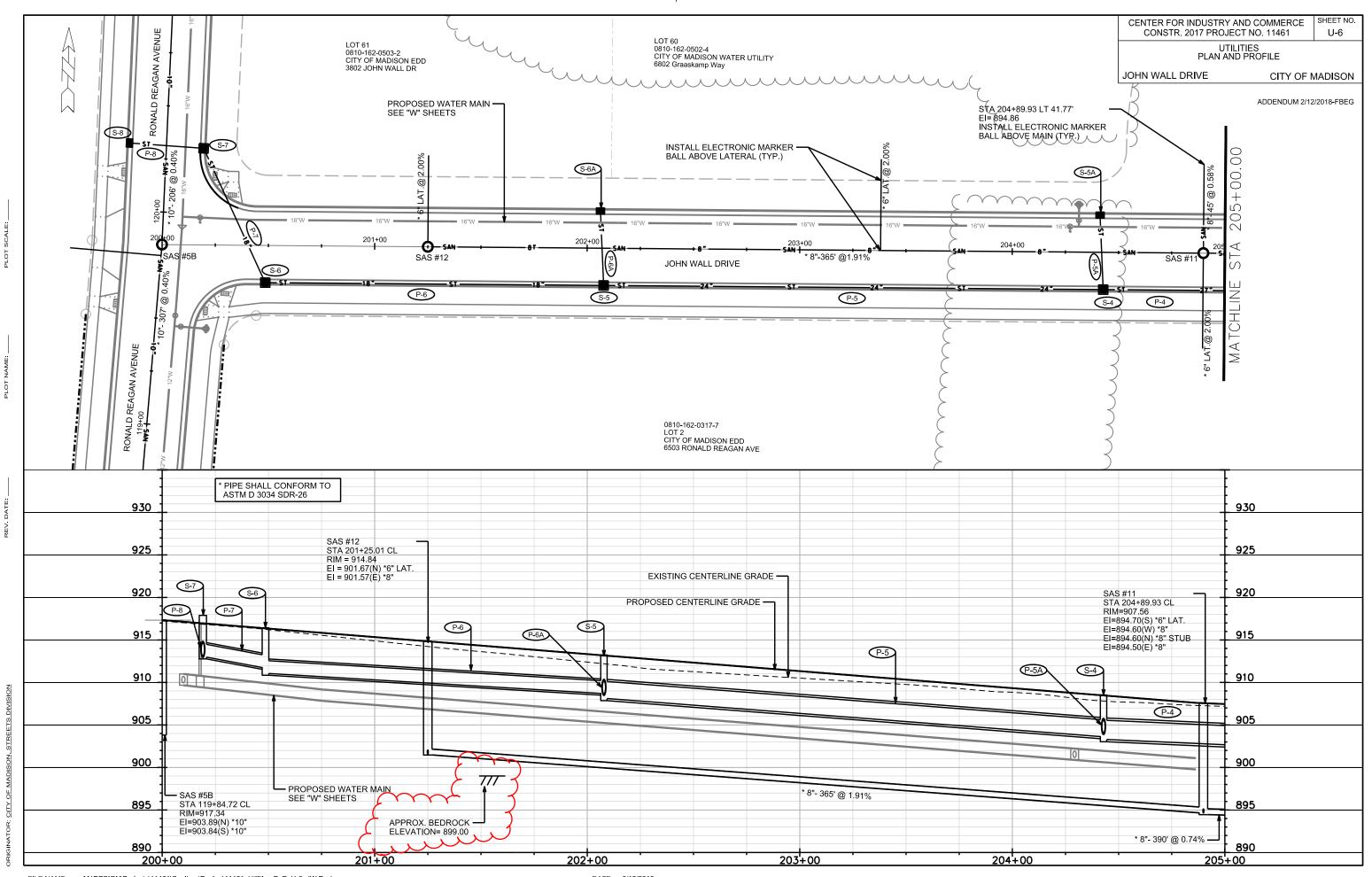


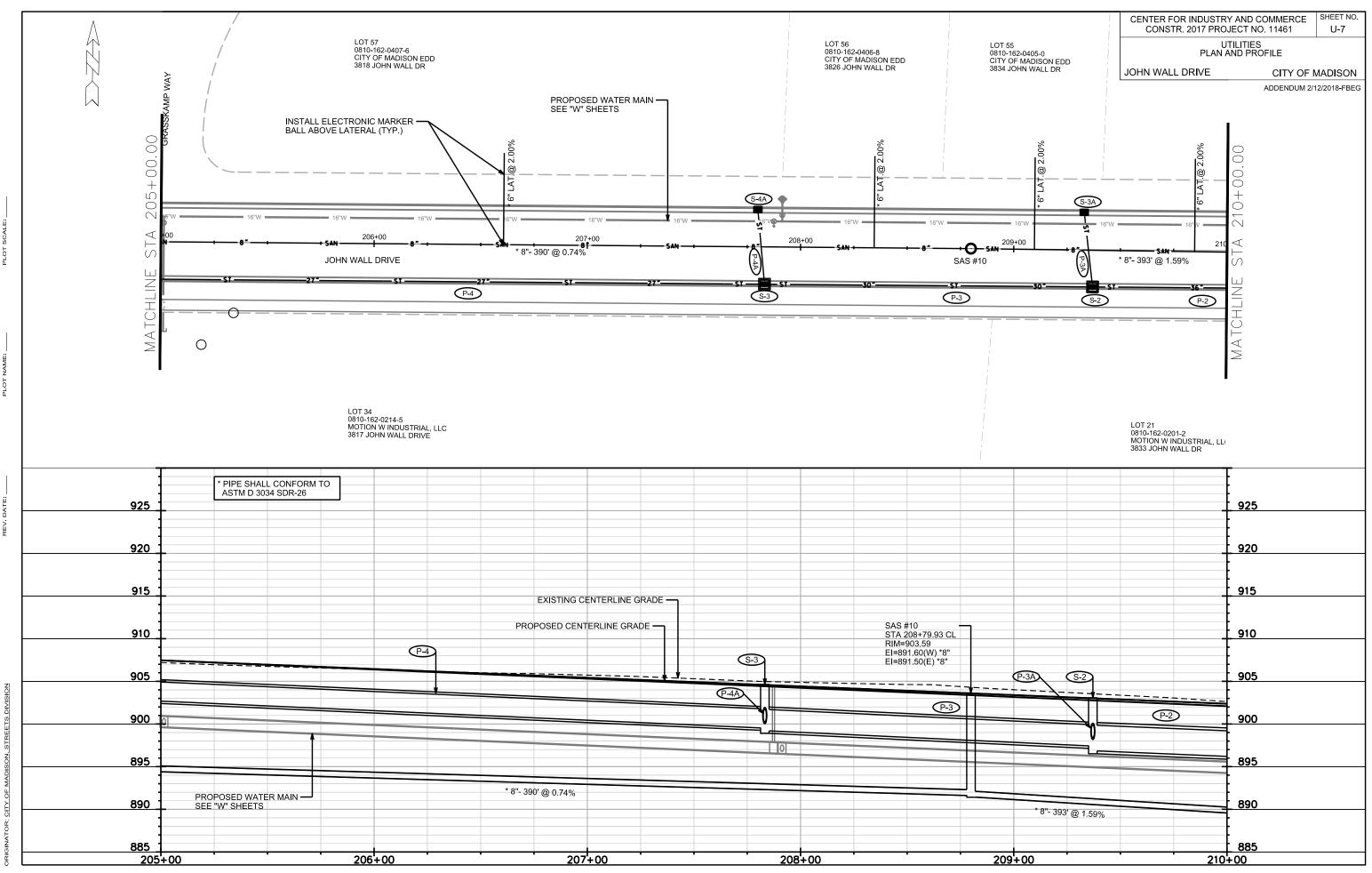
TYPICAL EXISTING SECTION MERCHANT ST

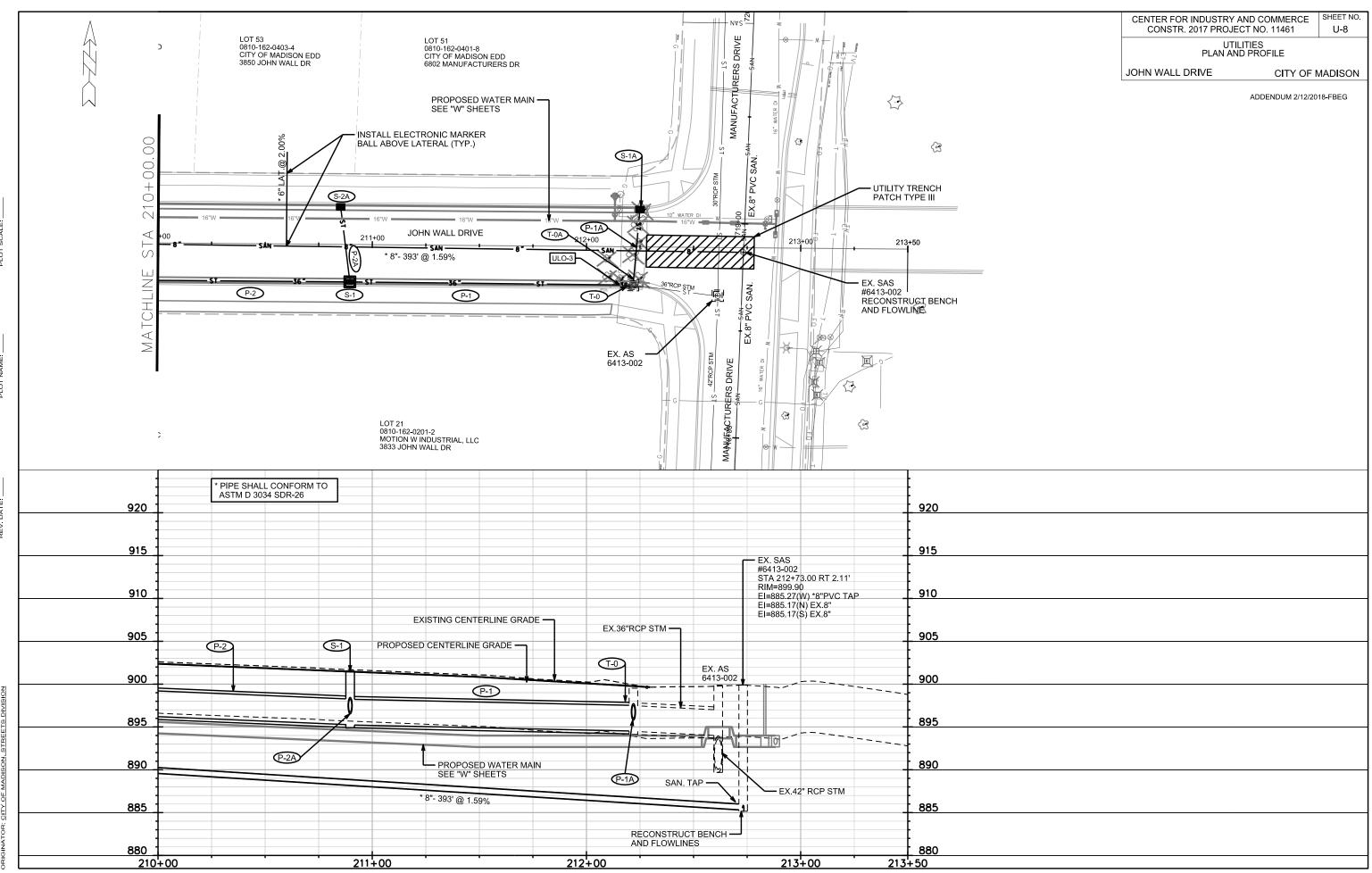


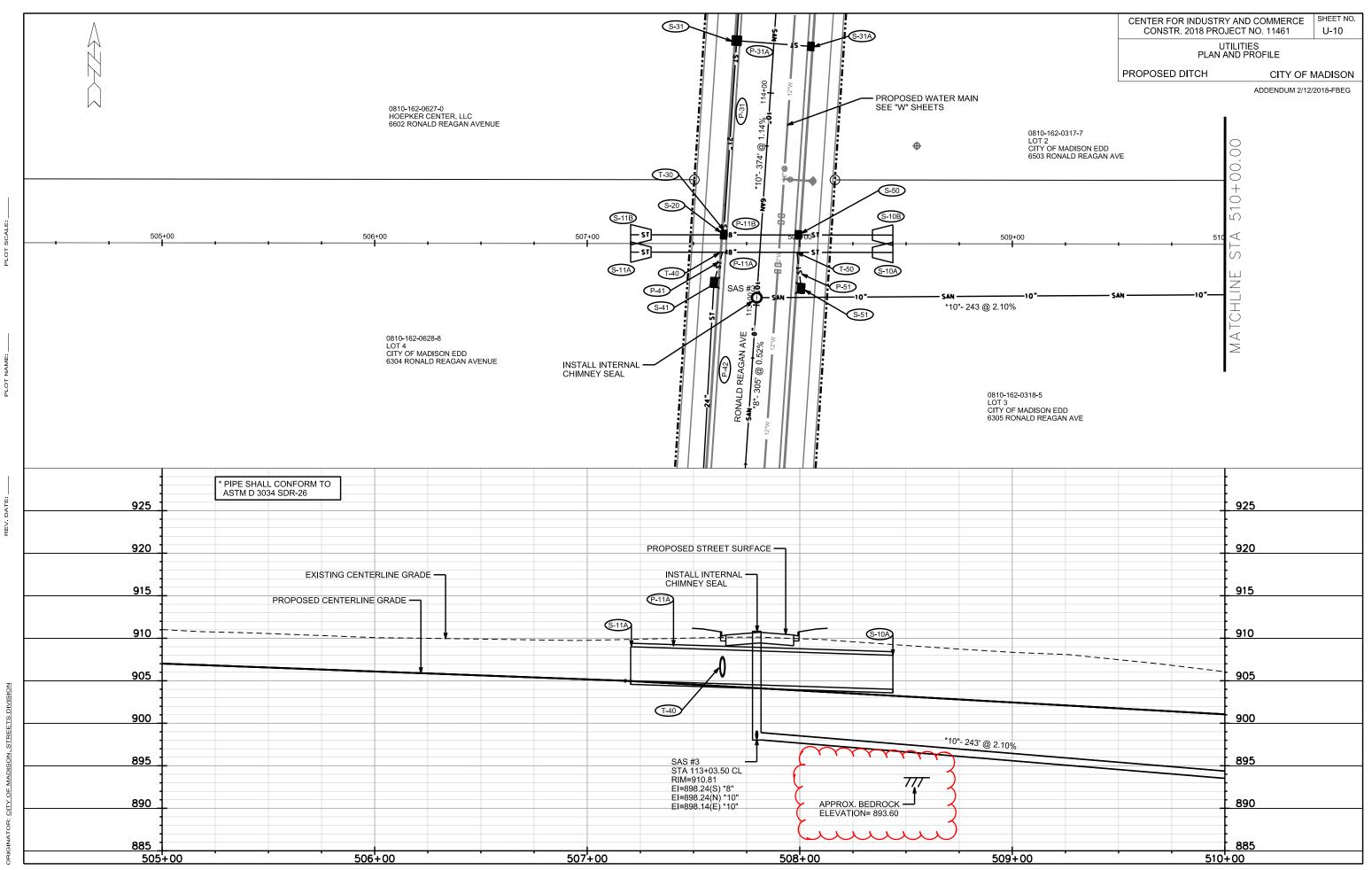


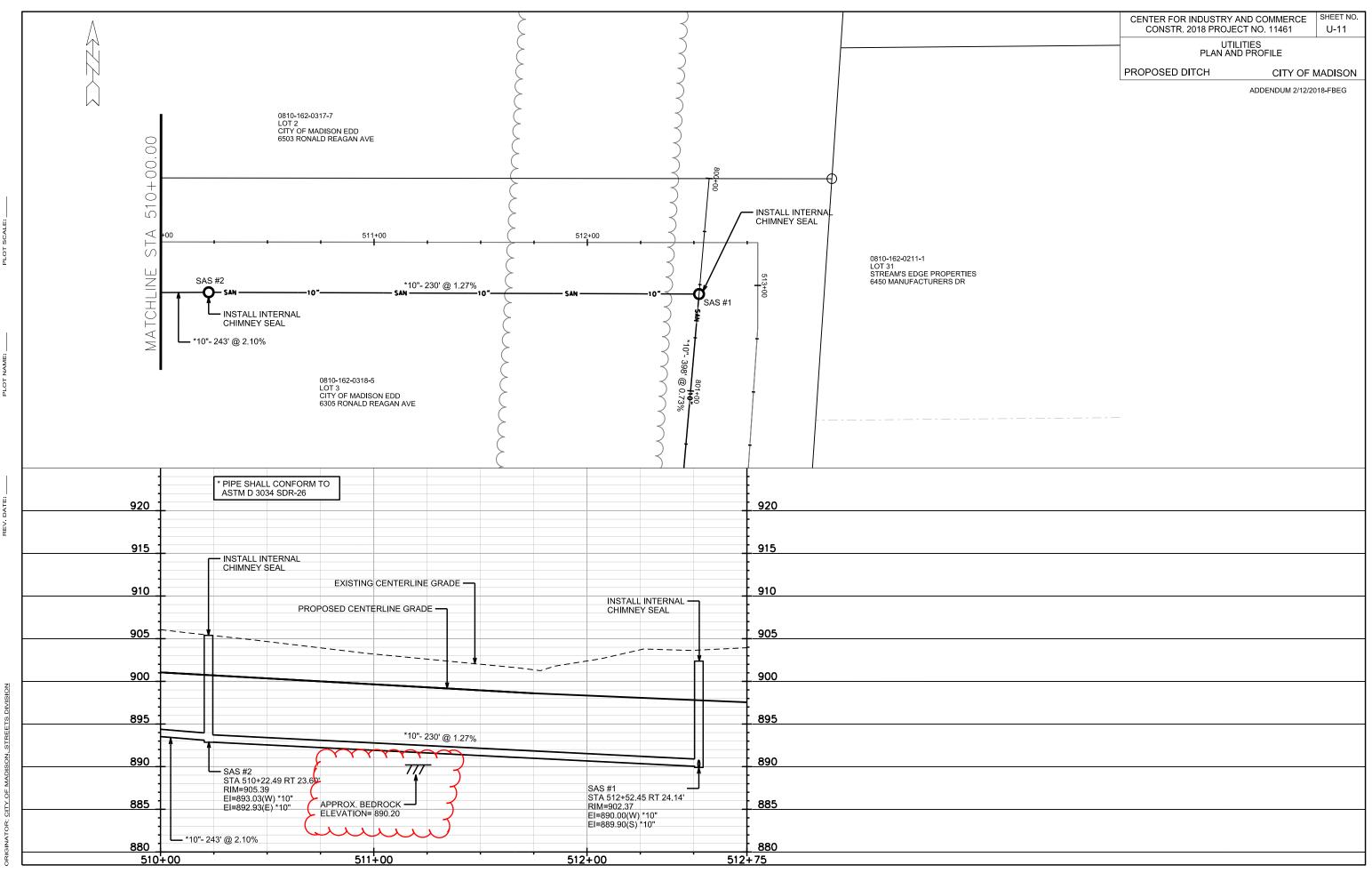


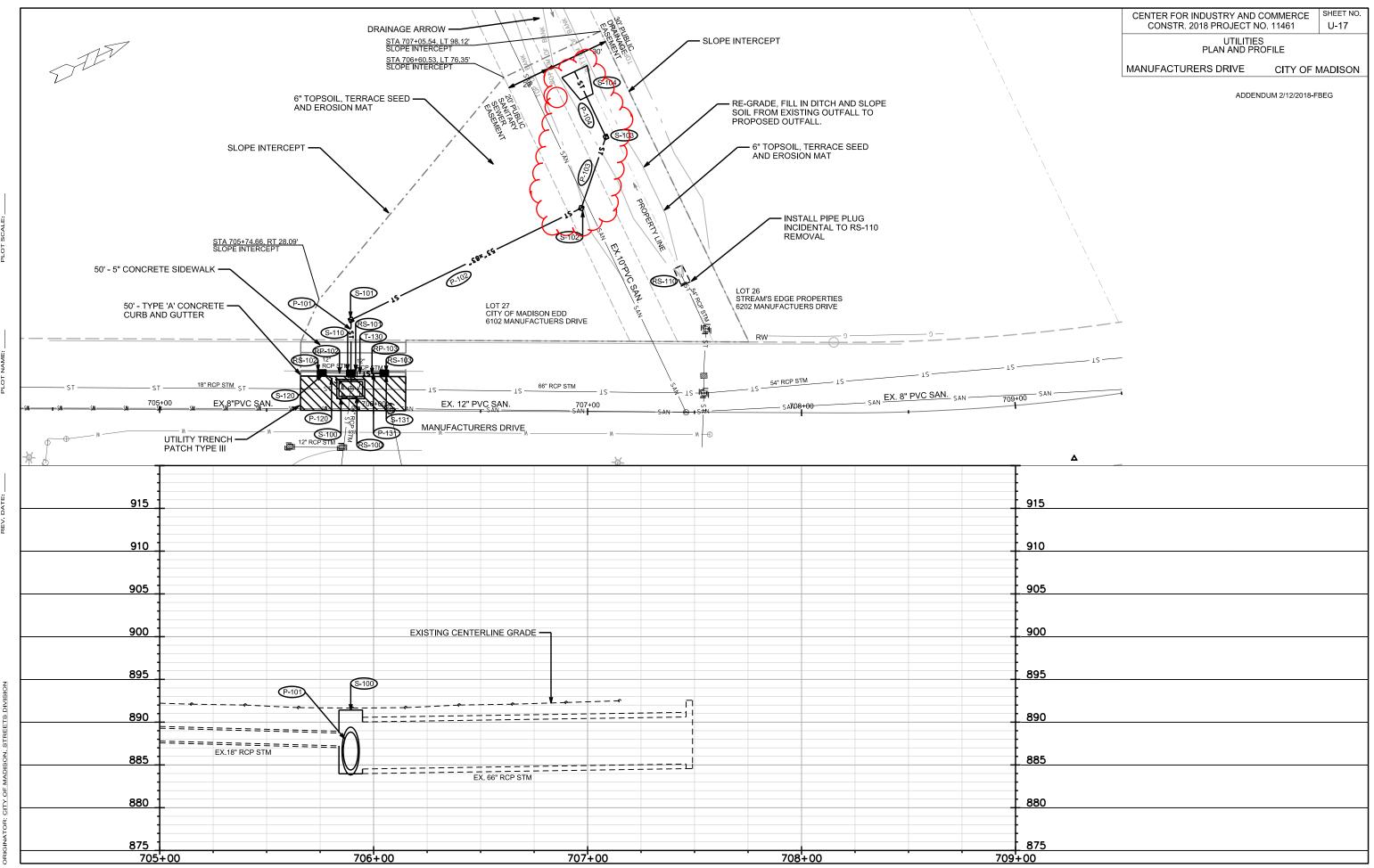












*ADDENDUM 2/12/2018-FBEG

CENTER FOR INDUSTRY AND COMMERCE SHEET NO. CONSTR.2017 PROJECT NO. 11461

STORM SEWER SCHEDULE

CITY OF MADISON

<u>PROPO</u>	SED STC	<u>RM SEWER</u>	STRU	<u> JCTURES</u>
STRUC.	STATION	LOCATION	TYPE	

			N STRUCTURES				
STRUC	. STATION	LOCATION	TYPE	TOP OF	E.I.	DEPTH	NOTES
NO.		(OFFSET)		CASTING			
RONAL	D REAGAN AVENUE						
S-7	120+30.80	RT-17.51	3'X3' SAS w/ H	917.89	913.14	4.75	w/ R-3067-7004-V
S-8	120+31.74	LT-17.50	H INLET	917.90	913.60	4.30	w/ R-3067-7004-V
S-10A	113+29.02	RT-62.49	48" RCP AE	-	904.00	-	[2]
S-11A	113+20.91	LT-60.64	48" RCP AE	-	905.00	-	[2]
S-10B	113+37.17	RT-61.95	48" RCP AE	-	904.00	-	[2]
S-11B	113+29.06	LT-61.18	48" RCP AE	-	905.00	-	[2]
S-20	113+31.95	LT-17.50	SADDLED INLET TYPE II	910.74	904.65	6.09	LP; w/ R-3067-7004-VB
* T-30	113+31.94	LT-17.50	STM TAP	-	905.53	-	TAP P-11B
* S-31	114+23.48	LT-17.51	3'X3' SAS w/ H	911.46	907.04	4.42	w/ R-3067-7004-V
S-31A	114+23.14	RT-17.51	H INLET	911.46	908.06	3.40	w/ R-3067-7004-V
S-32	116+69.74	LT-17.49	3'X3' SAS w/ H	914.07	909.07	5.00	w/ R-3067-7004-V
S-33	116+69.06	RT-17.50	H INLET	913.49	910.24	3.25	w/ R-3067-7004-V
* T-40	113+23.74	LT-17.50	STM TAP	-	905.53	-	TAP P-11A
* S-41	113+09.31	LT-20.58	TERRACE INLET TYPE 3	910.84	905.59	5.25	FP; [3]
* S-42	110+44.98	LT-17.50	3'X3' SAS w/ H	911.16	907.15	4.01	LP; w/ R-3067-7004-VB
S-43	110+23.49	LT-17.51	3'X3' SAS w/ H	911.27	907.36	3.91	w/ R-3067-7004-V
S-43A	110+44.86	RT-17.49	H INLET	911.16	907.56	3.60	LP; w/ R-3067-7004-VB
S-43B	110+23.49	RT-17.50	H INLET	911.27	908.17	3.10	w/ R-3067-7004-V
S-50	113+34.28	RT-17.50	SADDLED INLET TYPE II	910.74	904.36	6.38	LP; w/ R-3067-7004-VB
T-50	113+26.05	RT-17.50	STM TAP	-	905.61	-	TAP P-11A
S-51	113+09.27	RT-20.58	TERRACE INLET TYPE 3	910.84	906.83	4.01	FP; [3]
S-60	124+13.41	RT-28.11	15" 135 ⁰ PRECAST BEND	-	914.58	-	[1]
* S-61	123+74.88	RT-17.50	H INLET	917.53	914.77	2.76	FP; LP; w/ R-3067-7004-VB
S-62	123+75.14	LT-17.50	H INLET	917.97	914.94	3.03	LP; w/ R-3067-7004-VB
S-63	123+93.90	LT-58.03	15" RCP AE	-	917.44	-	w/ 15"AE RCP GATE; [2]
	VALL DRIVE				•		
T-0	212+21.92	RT-17.87	STM TAP	_	894.51	-	TAP EX IN 6413-003
T-1A	212+21.92	RT-17.87	STM TAP	-	896.01	-	TAP EX IN 6413-003
S-1A	212+24.82	LT-17.49	H INLET	899.93	896.17	3.76	w/ R-3067-7004-V
S-1	210+89.69	RT-17.46	4'X4' SAS w/ H	901.51	895.24	6.27	w/ R-3067-7004-V
S-2A	210+85.11	LT-17.50	H INLET	901.56	897.56	4.00	w/ R-3067-7004-V
S-2	209+37.10	RT-17.48	4'X4' SAS w/ H	903.07	896.89	6.18	w/ R-3067-7004-V
S-3A	209+32.92	LT-17.46	H INLET	903.11	899.11	4.00	w/ R-3067-7004-V
S-3	207+83.25	RT-17.49	4'X4' SAS w/ H	904.64	899.24	5.40	w/ R-3067-7004-V
S-4A	207+79.84	LT-17.49	H INLET	904.67	900.67	4.00	w/ R-3067-7004-V
S-4	204+42.94	RT-17.49	3'X3' SAS w/ H	908.53	903.33	5.20	w/ R-3067-7004-V
S-5A	204+41.17	LT-17.50	H INLET	908.58	904.58	4.00	w/ R-3067-7004-V
S-5	202+07.89	RT-17.50	3'X3' SAS w/ H	913.24	908.17	5.07	w/ R-3067-7004-V
S-6A	202+06.10	LT-17.50	H INLET	913.27	909.27	4.00	w/ R-3067-7004-V
S-6	200+48.66	RT-17.50	3'X3' SAS w/ H	916.43	911.10	5.33	w/ R-3067-7004-V
	IANT STREET						
S-80	104+28.91	LT-17.50	H INLET	910.89	906.47	4.42	w/ R-3067-7004-V
S-81	104+28.90	RT-17.50	H INLET	910.89	906.97	3.92	w/ R-3067-7004-V
PROPO	SED DITCH						
S-90	804+59.46	LT-36.86	24" RCP AE	-	893.00	-	w/ 24"AE RCP GATE; [2]
S-91	804+85.47	LT-11.78	3'X3' SAS	898.24	893.94	4.30	w/ R-1550-0054
MANUF	ACTURERS DRIVE						
S-100	705+89.27	LT-10.06	11' X 7' SAS	891.42	884.42	7.00	FP; w/ R-1550-0054
			53"X83" 116" PRECAST BEND	001.42		7.00	11, W/ 10 1000 0004
* S-101	705+89.26	LT-42.38		-	884.57	-	-
* S-102	706+96.58	LT-95.21	53"X83" 135 ⁰ PRECAST BEND	-	885.18	-	-
* S-103	707+07.90	LT-128.48	53"X83" 135° PRECAST BEND	-	885.36	-	-
* S-104	706+93.12	LT-159.05	53"X83" RCP AE	-	885.53	-	w/ 53"X83"AE RCP GATE; [2]
S-110	705+89.27	LT-17.50	SADDLED INLET TYPE II	891.64	884.56	7.08	FP; LP; w/ R-3067-7004-VB
S-120	705+75.80	LT-17.50	H INLET	891.70	888.45	3.25	w/ R-3067-7004-V
T-130	705+93.31	LT-17.25	STM TAP	-	886.27	-	TAP P-101
S-131	706+04.88	LT-17.50	H INLET	891.65	887.65	4.00	w/ R-3067-7004-V
	CIFIC NOTES		··· ·— ·	3300			
<u> </u>	-	-					

5 P	ECI	FIC	NO	IES:

[1] PAID AS STANDARD BID ITEM 50499 (CONCRETE COLLAR)

[2] STATION AND OFFSET TO THE FRONT CENTER OF RCP AE

[3] STATIONED TO CENTER OF GRATE; SEE SDD 5.7.12B; TOP OF CURB PROVIDED IS TOP OF GRATE, CONTRACTOR IS REMINDED THE CURB FLOWLINE IS TO BE HAND POURED TO CREATE A DEPRESSION IN THE FLOWLINE AND FLUME INTO THE STRUCTURE. THE FLOWLINE IS NOT TO BE POURED STRAIGHT THROUGH AND THE DIFFERENCE BETWEEN THE FLOWLINE ELEVATION AND ENTRANCE LIP ELEVATION TAKEN UP IN THE 1-2 FT TRANSITION.

										CITY OF	- IVIADIS
<u>PRO</u>	POSED STO	<u>DRM SEW</u>	VER PIPE	<u> </u>							
PIPE	FROM	TO	DISCH.	INLET	PLAN (PAY)	PIPE	SLOPE	PIPE	TYPE	NOTES	
NO.	(DNSTM)	(UPSTM)	E.I.	E.I.	LGTH (FT)	LGTH (FT)	(%)	SIZE			
	LD REAGAN AVEI		040.44	040.00	25.0	20.5	4 400/	40"	DOD		
P-8	S-7	S-8	913.14	913.60	35.0	32.5	1.42%	18"	RCP	-	
P-11A	S-10A	S-11A	904.00	905.00	123.5	123.5	0.81%	48"	RCP	-	
P-11B	S-10B	S-11B	904.00	905.00	123.5	123.5	0.81%	48"	RCP	-	
P-31	T-30	S-31	905.53	907.04	77.5	74.5	2.03%	21"	RCP	-	
P-31A	S-31	S-31A	907.66	908.06	35.0	32.5	1.23%	12"	RCP	-	
P-32	S-31	S-32	907.16	909.07	246.5	243.5	0.78%	18"	RCP	-	
* P-33	S-32	S-33	909.07	910.24	35.0	32.5	3.60%	18"	RCP	-	
P-41	T-40	S-41	905.53	905.59	15.0	13.0	0.46%	27"	RCP	-	
P-42	S-41	S-42	905.84	907.15	264.5	261.5	0.50%	24"	RCP	-	
P-43	S-42	S-43	907.27	907.36	21.5	18.5	0.49%	18"	RCP	-	
P-43A	S-42	S-43A	907.27	907.56	35.0	32.5	0.89%	18"	RCP	-	
P-43B	S-43A	S-43B	908.06	908.17	21.5	18.5	0.59%	12"	RCP	-	
P-51	T-50	S-51	905.61	906.83	17.0	15.5	7.87%	18"	RCP	-	
P-61	S-60	S-61	914.58	914.77	40.0	38.5	0.49%	15"	RCP	-	
P-62	S-61	S-62	914.77	914.94	35.0	33.0	0.52%	15"	RCP	-	
P-63	S-62	S-63	914.94	917.44	44.5	43.5	5.75%	15"	RCP	-	
JOHN '	WALL DRIVE										
P-1	T-0	S-1	894.51	895.24	132.0	128.0	0.57%	36"	RCP	-	
P-1A	T-0A	S-1A	896.01	896.17	35.5	32.5	0.49%	18"	RCP	-	
P-2	S-1	S-2	895.24	896.89	152.5	148.5	1.11%	36"	RCP	-	
P-2A	S-1	S-2A	896.74	897.56	35.5	32.0	2.56%	18"	RCP	-	
P-3	S-2	S-3	897.39	899.24	154.0	150.0	1.23%	30"	RCP	-	
P-3A	S-2	S-3A	898.39	899.11	35.0	32.0	2.25%	18"	RCP	-	
P-4	S-3	S-4	899.49	903.33	340.5	337.0	1.14%	27"	RCP	-	
P-4A	S-3	S-4A	900.24	900.67	35.0	32.0	1.34%	18"	RCP	-	
P-5	S-4	S-5	903.58	908.17	235.0	232.0	1.98%	24"	RCP	-	
P-5A	S-4	S-5A	904.08	904.58	35.0	32.5	1.54%	18"	RCP	_	
P-6	S-5	S-6	908.67	911.10	159.0	156.0	1.56%	18"	RCP	-	
P-6A	S-5	S-6A	908.67	909.27	35.0	32.5	1.85%	18"	RCP	_	
P-7	S-6	S-7	911.60	913.14	69.5	66.0	2.33%	18"	RCP	-	
	HANT STREET	•	000	0.0	00.0	00.0	2.0070				
P-81	S-80	S-81	906.72	906.97	35.0	33.0	0.76%	12"	RCP	_	
-	OSED DITCH	• • •		000.01	00.0	00.0	0 0 / 0				
P-91	S-90	S-91	893.00	893.94	36.0	34.0	2.76%	24"	RCP	-	
MANUI	FACTURERS DRIN										
* P-101	S-100	S-101	884.42	884.57	32.5	29.0	0.52%	53"X83"	HERCP	_	
* P-102	S-101	S-102	884.57	885.18	119.5	119.5	0.51%		HERCP	-	
* P-103	S-102	S-103	885.18	885.36	35.0	35.0	0.51%		HERCP	-	
* P-104	S-103	S-104	885.36	885.53	34.0	34.0	0.50%		HERCP	-	
P-120	S-100	S-120	888.12	888.45	15.5	9.5	3.47%	12"	RCP	-	
P-131	T-130	S-131	886.27	887.65	11.5	10.0	13.80%	12"	RCP	_	
1 101	1 100	0 101	300.21	007.00	11.0	. 0.0	.0.0070	14			

NOTE: PLAN 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
- 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

CENTER FOR INDUSTRY AND COMMERCE SHEET NO. CONSTR. 2017 PROJECT NO.11461

U-20

STORM SEWER SCHEDULE

*ADDENDUM 2/12/2018-FBEG

CITY OF MADISON

REMOVE STORM SEWER PIPE	

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

SPECIFIC NOTES:

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REMOVE STORM STRUCTURES

STRUC.	ID	STATION	LOCATION	TYPE	NOTES
NO.	NO.		(OFFSET) FT		
RONALD RI	<u>EGAN</u>				
RS-10	AE 6313-009	305+00.27	RT-63.86	AE	[1]
MERCHAN1	<u> STREET</u>				
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	<u>DITCH</u>				
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	-
MANUFACT	TURERS 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]
<u>ULOs</u>					
NO.	STATION	LOCATION	TYPE	NOTES	
RONALD RI	EAGAN AVANUE				
ULO-1	123+87.18	LT-43.51	TEL.	_	
ULO-2	123+91.09	RT-25.71	TEL.	_	
0202		20.71			

^{*10} UNDISTRIBUTED ULOs

JOHN WALL DRIVE

ULO-3

SPECIAL NOTES:

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

212+15.71

RT-17.57

GAS



Legend



Denotes Boring Location

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

Scale: Reduced

Date: 2/2018

Job No. C17051-55



Soil Boring Location Plan Merchant Street Grading Madison, WI



Project Merchant Street Grading Surfa
Job N
Location Madison, WI Sheet

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

				_ 292	1 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608)					
	SA	MPL	E		VISUAL CLASSIFICATION	SOIL	PRO	PEF	RTIE	S
No.	T Rec	Moist	N	Depth (ft)	and Remarks	(qa) (tsf)	w	LL	PL	LI
				L L	FILL: Dark Brown Clayey Topsoil to 1.5 ft					
1	18	M	38*	<u>-</u> - _ -	Brown Silty Sand, Trace Clay and Gravel to 3 ft					
2	16	M	20	 - 	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
3	18	M	15	- - - - -						
4	12	M	89/7'	- - - - - - - -	Weathered to Competent, Light Tan to White Sandstone Bedrock					
				- - - -	End of Boring at 10 ft Due to Auger Refusal on Competent Bedrock Backfilled with bentonite chips					
ALAMAN AND THE PERSON				<u> </u>	*Sample 1 Frozen					
				 - - - - 15-	(N 43° 09.641', W 89° 19.398')					
				 - - -						
				_ _ _ _ _ _						
				F L 20						
WATER LEVEL OBSERVATIONS GENERAL NOTES										
Tii De De	hile Dri ne Afte opth to V	r Drill Water Cave in	<u>Ţ</u> ing	NW	Upon Completion of Drilling NW Start Driller Logger Drill Metl	2/8/18 End BSD Chief DC Edito	2/8 r E	8/18 0B SF	Rig <u>r</u>	
	The stratification lines represent the approximate boundary between soil types and the transition may be gradual.									



Boring No. **2** Surface Elevation (ft) 901± Project Merchant Street Grading Job No. **C17051-55** Location Madison, WI Sheet 1 of 1

	2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887									
	SA	MPL	E		VISUAL CLASSIFICATION	SOIL	PRO	PEF	RTIE	S
No.	T Y Rec P (in.)	Moist	N	Depth (ft)	and Remarks	qu (qa) (tsf)	w	LL	PL	LI
	E			L	15 in. Dark Brown Silty TOPSOIL					ı
1	16	M	12*	 - -	Medium Stiff to Stiff, Brown Lean CLAY (CL)					
				 						
2	12	M	9	 		(1.0)				
				 5− - 	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and					
3	16	М	16	 	Boulders (SM)					
				T - 						
4	18	M	23	 - 						
				T 10- - - -						
					Apparent Weathered to Competent Bedrock					
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 GENERAL NOTES										
Tin De	nile Dri ne Afte pth to V	er Drill Water Cave i	∑ ling n	NW	Upon Completion of Drilling NW Start Driller Driller Driller Driller Drill Meth	2/8/18 End BSD Chie DC Editor and 2.25 F	f I or E	SF	Rig I	
5	oil ty	pes an	d the	transi	epresent the approximate boundary between ion may be gradual.					

(Inc 1

Project Merchant Street Grading Some June Location Madison, WI Street Grading Some June 2012 Street Grading Street Grading June 2012 Street Grading Street Grading June 2012 Street Grading Street Grading June 2012 Street Grading Street G

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			SOIL PROPERTIES							
No.	Rec	Moist	N	Depth (ft)		and Remarks		qu (qa) (tsf)	w	LL	PL	LI			
				 -		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	- - - - -											
				T -											
4	18	M	19	 - - - - 											
				 - - - - - -											
5	1	M	26	<u> </u>											
				15-		End of Boring at 15 ft									
				F L		Backfilled with bentonite chips									
				<u> </u>		Note: *Sample 1 Partially Frozer									
				<u> </u>		(N 43° 09.675', W 89° 19.288')									
				- -											
			W	├ ²⁰ /ATF	- 1	EVEL OBSERVATIONS		GENERA	AL N	OTE	S				
Tim Dep	th to V	r Drill Water	<u>∑</u> ing	NW		Upon Completion of DrillingNW	Start Driller Logger Drill Met	2/8/18 End BSD Chie DC Edit		8/18 DB ESF	Rig <u>I</u>				



Boring No. 4 Surface Elevation (ft) 908± Project Merchant Street Grading Job No. **C17051-55** Location Madison, WI Sheet 1 of 1

					_ 292	1 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-78							
SAMPLE						VISUAL CLASSIFICATION	SOIL PROPERTIES						
No.	T Y P	Rec	Moist	N	Depth (ft)	and Remarks	Iu Ia) sf)	W	LL	PL	LI		
0.000	Ť				 -	14 in. Dark Brown Silty TOPSOIL							
1		11	M	18*	 	Brown Sandy Lean CLAY, Trace to Little Gravel (CL - Possible Fill)							
					 - -								
2		16	M	18		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)							
					 - 5- - 								
3		15	M	23	 _ 								
						*Sample 1 Frozen (N 43° 09.598', W 89° 19.283')							
WATER							IERA	LNO)TE	S			
Tin De _l De _l	ne ptł ptł	n to V n to C	r Drilli Vater Cave in	1		Driller BSD Logger DC	Driller BSD Chief DB Rig D-50 Logger DC Editor ESF						