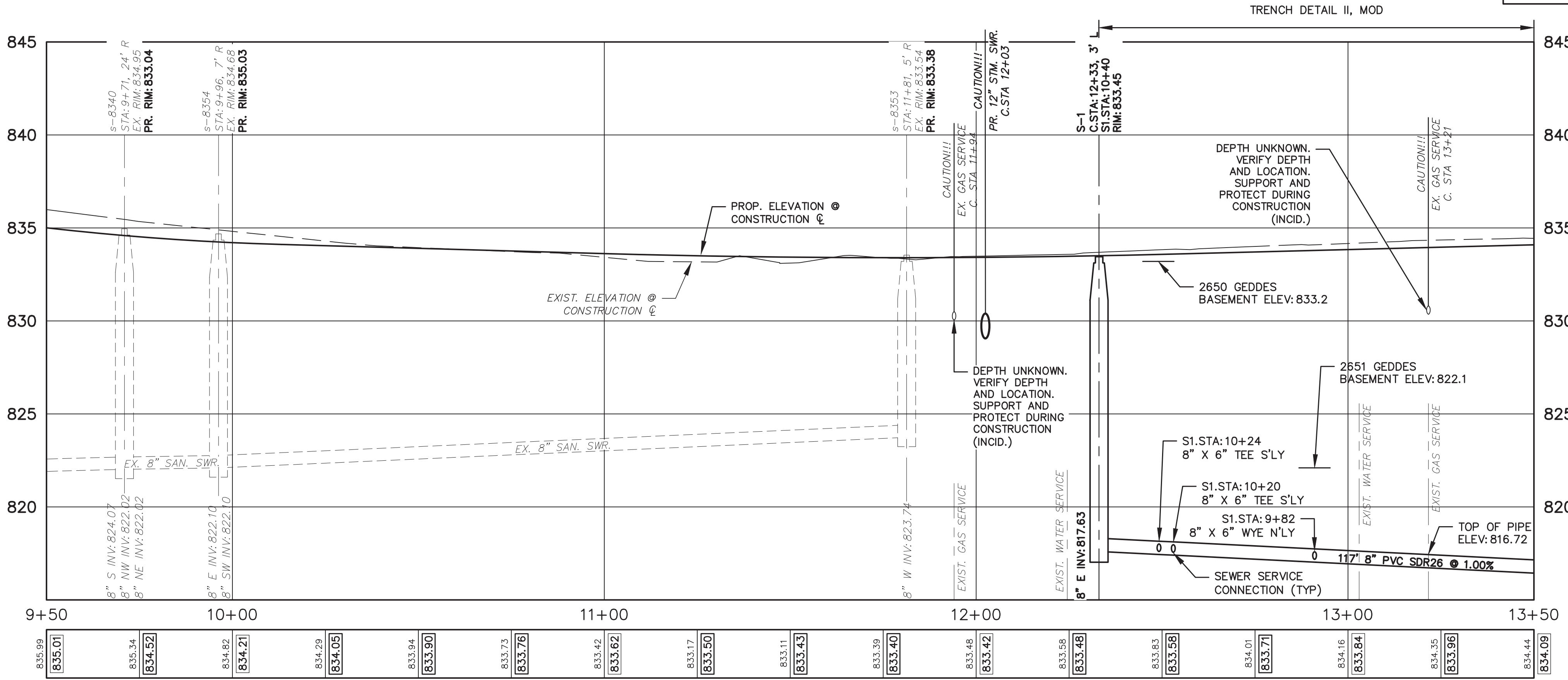


STRUCTURE	CONST. STATION	SEWER STATION	RIM ELEV.	INVERTS	DEPTH	DIA.	DETAIL	APPLI/CONST.
s-8340	9+71	N/A	834.95 EX. 838.00 PR.	8" S 824.07 EX. 8" NW 822.02 EX. 8" NE 822.02 EX.	12.93	48	SD-S-1	EX. M.H./STR. ADJ.
s-8354	9+96	N/A	834.68 EX. 838.00 PR.	8" E 822.10 EX. 8" SW 822.10 EX.	12.58	48	SD-S-1	EX. M.H./STR. ADJ.
s-8353	11+81	N/A	833.54 EX. 838.00 PR.	8" W 823.74 EX.	9.80	48	SD-S-1	EX. M.H./STR. ADJ.
S-1	12+33	S1 10+40	833.45	8" E 817.63 PR.	15.92	48	SD-S-1	NEW M.H.

ADDRESS	LEAD ELEV. AT R.O.W.	SEWER STATION	SIZE (INCHES)	LENGTH (FT)	SLOPE	D/S M.H.	DIST. FROM D/S M.H.	RISER HEIGHT	CONNECT. TYPE
2650 GEDDES AVE	824.90	S1 10+24	6	38	1.00%	S-2	93	7.7	TEE
2670 GEDDES AVE	824.90	S1 10+20	6	38	1.00%	S-2	97	7.1	TEE
2651 GEDDES AVE	818.20	S1 9+82	6	38	1.00%	S-2	59	0.7	WYE



- SANITARY SEWER NOTES:**
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 - MANUFACTURED TEES SHALL BE USED AT ALL SERVICE CONNECTIONS WITH RISERS AND MANUFACTURED WYES SHALL BE USED AT ALL SERVICE CONNECTIONS WITHOUT RISERS.
 - NEW SANITARY SERVICES SHALL CONSIST OF PVC SDR23.5 PIPE WITH WATER-TIGHT GASKETED JOINTS, STONE BEDDING AND BACKFILLED WITH COMPACTED SAND BACKFILL.
 - TERMINATE NEW SANITARY SERVICES WITH A WATER-TIGHT PLUG AND 2" X 2" HARDWOOD MARKER AS REQUIRED BY SPECIFICATIONS.
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Know what's below. Call before you dig.

ADDENDUM No. 2	ISSUED FOR BIDS	FINAL PLAN SUBMITTAL	FINAL REVIEW SUBMITTAL	PRELIMINARY PLAN SUBMITTAL	REV.	DESCRIPTION	DATE	DRAWN	CHECKED
	MAY 18, 2015	ALP/AMN	ALP/AMN	ALP/AMN	CEH				
	APR. 22, 2015	ALP/AMN	ALP/AMN	ALP/AMN	CEH				
	MAR. 26, 2015	ALP/AMN	ALP/AMN	ALP/AMN	CEH				
	MAR. 13, 2015	ALP/AMN	ALP/AMN	ALP/AMN	CEH				
	JAN. 29, 2015	ALP/AMN	ALP/AMN	ALP/AMN	CEH				

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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
GEDDES AVENUE IMPROVEMENTS
SANITARY SEWER PLAN AND PROFILE
CONSTRUCTION LINE STA. 9+50 TO STA. 13+50

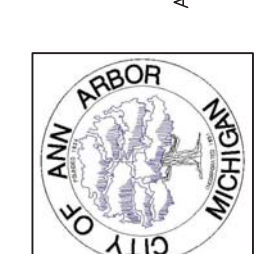
SCALE PLAN: 1"=20' PROFILE: 1"=4'
DRAWING No. SAN-02
SHEET No.



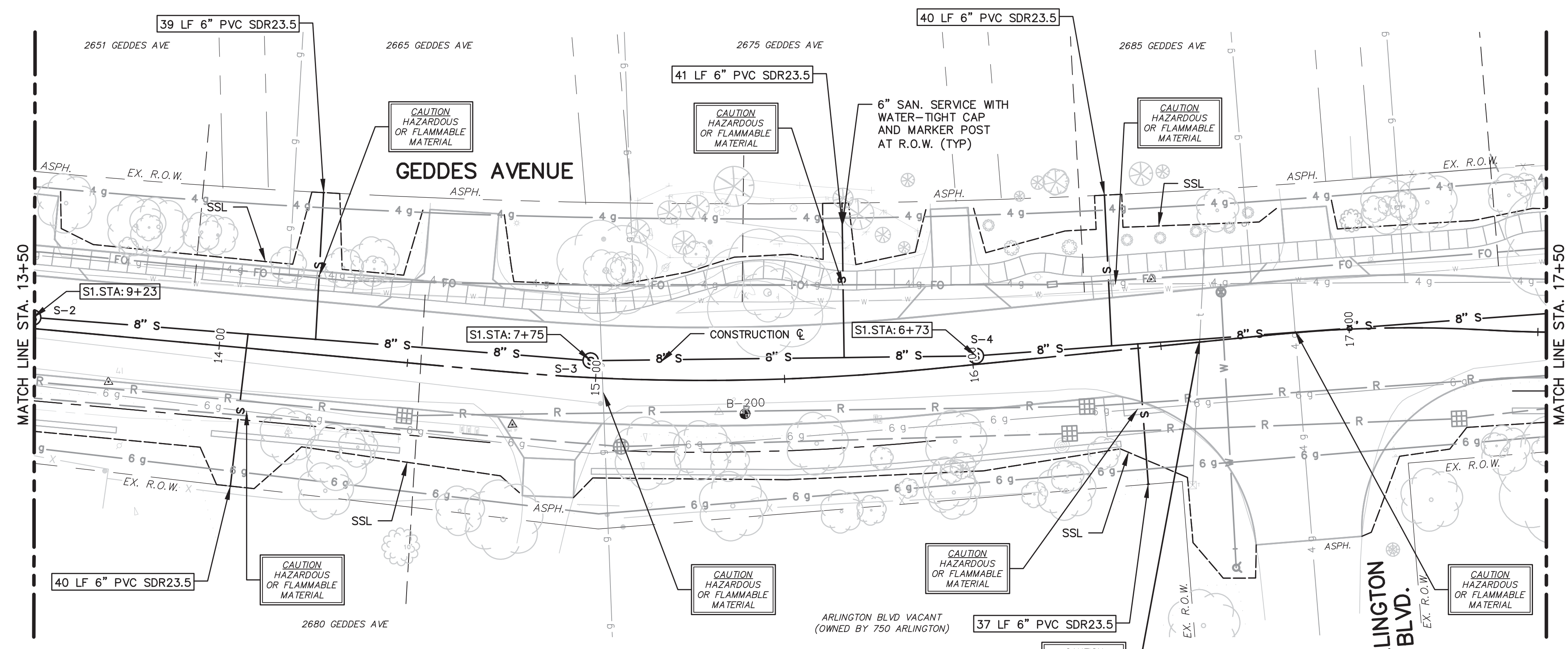
CEH	CHEKED
ALP/ANN	DATE
MAY 18, 2015	
APR. 22, 2015	
MAR. 26, 2015	
MAR. 13, 2015	
JAN. 29, 2015	
ALP/ANN	DRAWN
ALP/ANN	CHECKED

ADDENDUM No. 2	DESCRIPTION
ISSUED FOR BIDS	
FINAL PLAN SUBMITTAL	
FINAL REVIEW SUBMITTAL	
PRELIMINARY PLAN SUBMITTAL	

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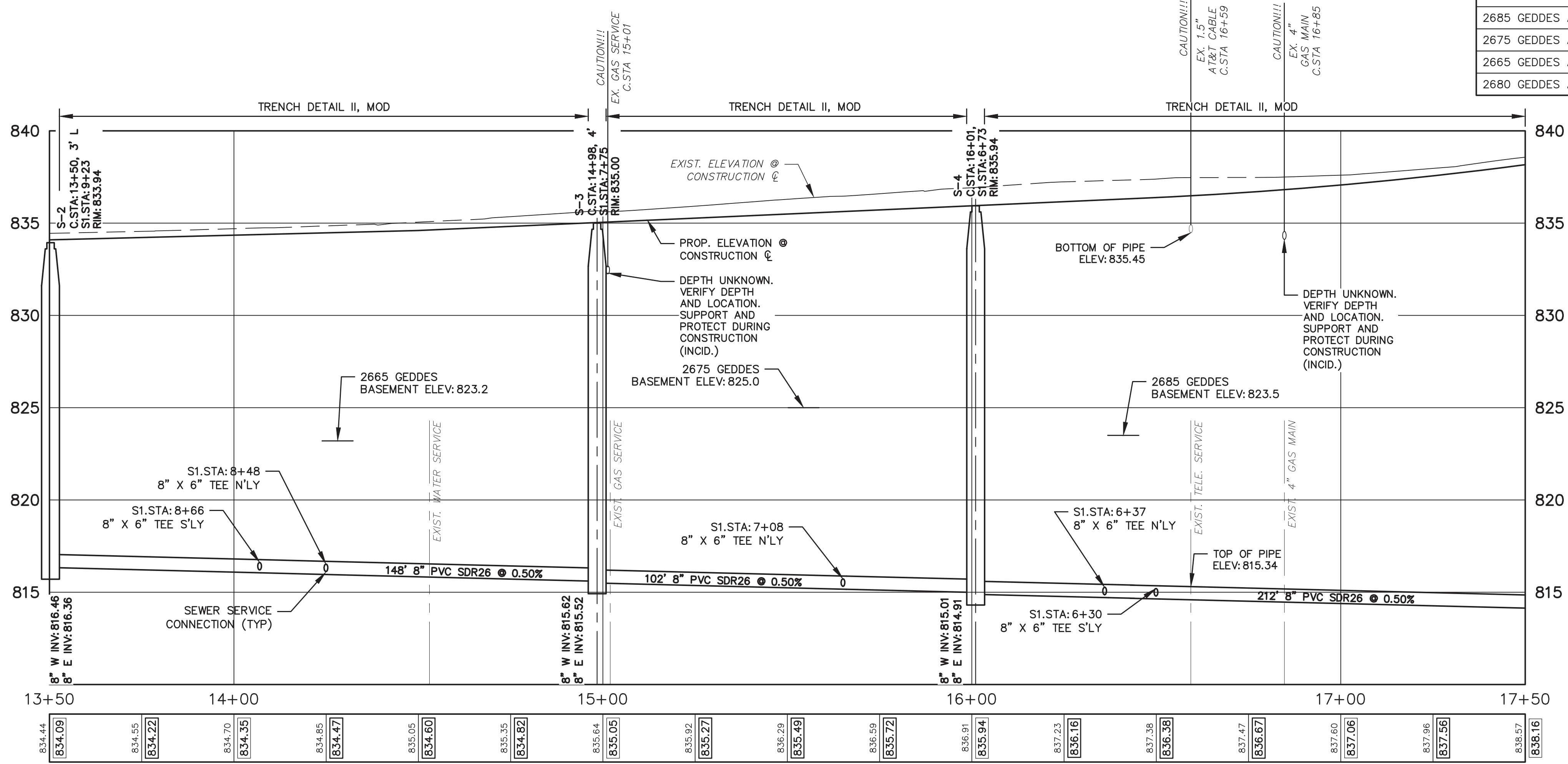


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
GEDDES AVENUE IMPROVEMENTS
SANITARY SEWER PLAN AND PROFILE
CONSTRUCTION STA. 13+50 TO STA. 17+50

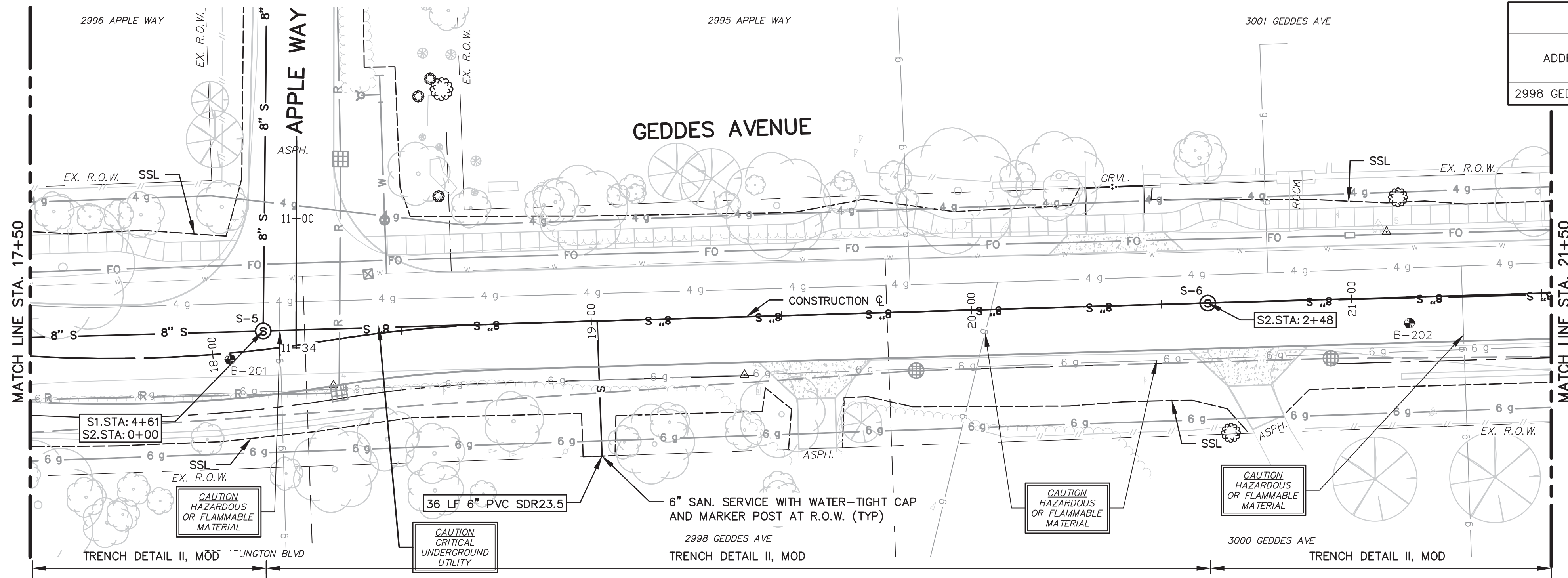


STRUCTURE	STATION	SEWER STATION	RIM ELEV.	INVERTS	DEPTH	DIA.	DETAIL	APPL./CONST.
S-2	13+50	S1 9+23	833.94	8" W 816.46 8" E 816.36	17.73	48	SD-S-1	NEW M.H.
S-3	14+98	S1 7+75	835.00	8" W 815.62 8" E 815.52	19.58	48	SD-S-1	NEW M.H.
S-4	16+01	S1 6+73	835.94	8" W 815.01 8" E 814.91	21.13	48	SD-S-1	NEW M.H.

ADDRESS	LEAD ELEV. AT R.O.W.	SEWER STATION	SIZE (INCHES)	LENGTH (FT)	SLOPE	D/S M.H.	DIST. FROM D/S M.H.	RISER HEIGHT	CONNECT. TYPE
ARLINGTON BLVD	829.00	S1 6+30	6	37	1.00%	S-5	169	13.9	TEE
2685 GEDDES AVE	819.60	S1 6+37	6	40	1.00%	S-5	176	4.5	TEE
2675 GEDDES AVE	821.30	S1 7+08	6	41	1.00%	S-4	35	5.7	TEE
2665 GEDDES AVE	819.50	S1 8+48	6	39	1.00%	S-3	73	3.1	TEE
2680 GEDDES AVE	825.90	S1 8+66	6	40	1.00%	S-3	91	9.4	TEE

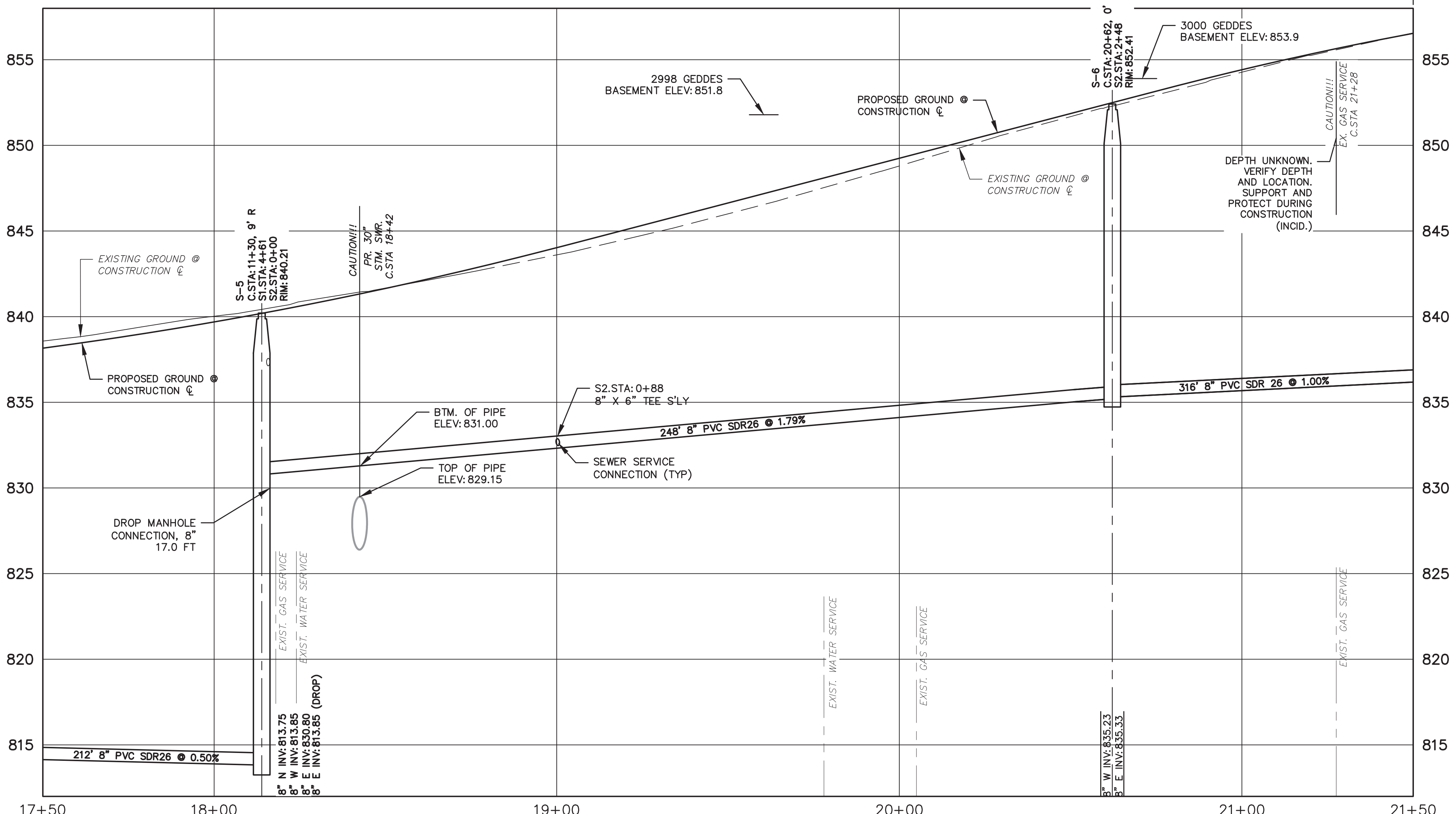


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ADDRESS	LEAD ELEV. AT R.O.W.	SEWER STATION	SIZE (INCHES)	LENGTH (FT)	SLOPE	D/S M.H.	DIST. FROM D/S M.H.	RISER HEIGHT	CONNECT. TYPE
2998 GEDDES AVE	834.40	S2 0+88	6	36	1.00%	S-5	88	1.1	TEE

STRUCTURE	STATION	SEWER STATION	RIM ELEV.	INVERTS	DEPTH	DIA.	DETAIL	APPL./CONST.
S-5	18+12	S1 4+61 S2 0+00	840.21	8" N 813.75 8" W 813.85 8" E 830.80	26.46	60	SD-S-1	NEW M.H.
S-6	20+62	S2 2+48	852.41	8" E 835.33 8" W 835.23	17.18	48	SD-S-1	NEW M.H.



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ADDENDUM No. 2

ISSUED FOR BIDS
FINAL PLAN SUBMITTAL
FINAL REVIEW SUBMITTAL
PRELIMINARY PLAN SUBMITTAL

MAY 18, 2015
APR. 22, 2015
MAR. 26, 2015
MAR. 13, 2015
JAN. 29, 2015

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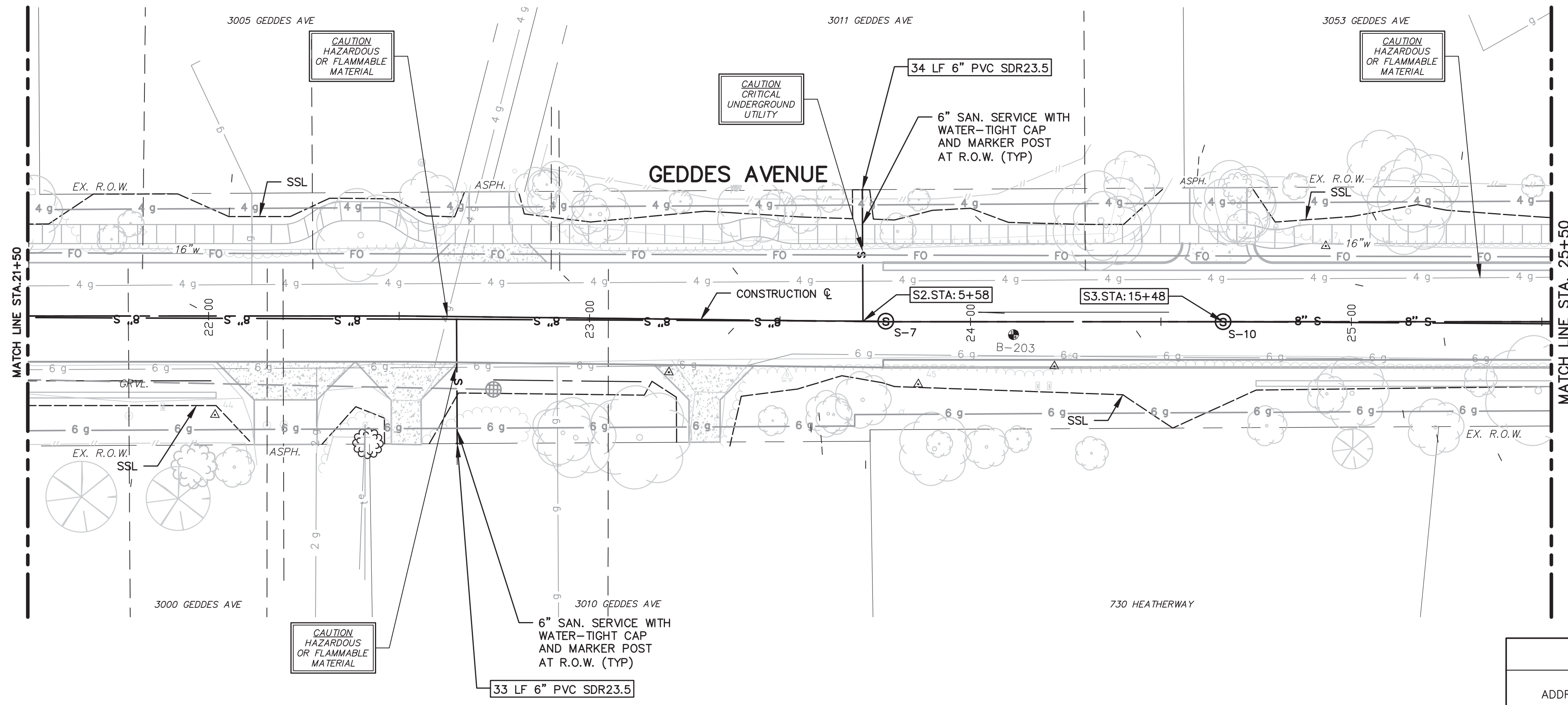


PROJECT MANAGEMENT – PUBLIC SERVICES – CITY OF ANN ARBOR
GEDDES AVENUE IMPROVEMENTS
SANITARY SEWER PLAN AND PROFILE
CONSTRUCTION STA. 17+50 TO STA. 21+50

SCALE PLAN: 1"=20'
PROFILE: 1"=4'

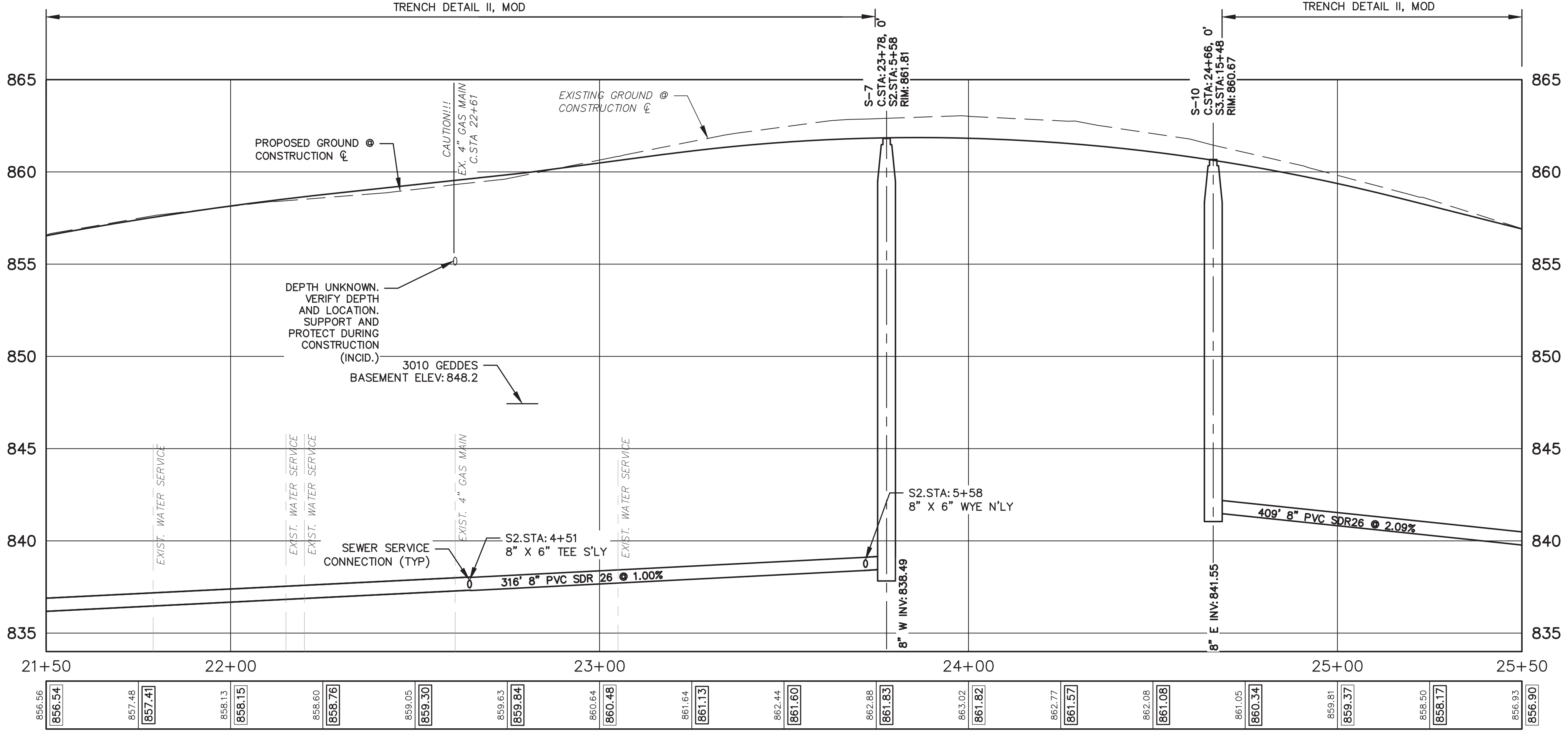
DRAWING No. SAN-04

SHEET No.




STRUCTURE	STATION	SEWER STATION	RIM ELEV.	INVERTS	DEPTH	DIA.	DETAIL	APPL./CONST.
S-7	23+78	S2 5+58	861.81	8" W 838.49	23.48	48	SD-S-1	NEW M.H.
S-10	24+66	S3 15+48	860.67	8" E 841.55	19.12	48	SD-S-1	NEW M.H.

ADDRESS	LEAD ELEV. AT R.O.W.	SEWER STATION	SIZE (INCHES)	LENGTH (FT)	SLOPE	D/S M.H.	DIST. FROM D/S M.H.	RISER HEIGHT	CONNECT. TYPE
3011 GEDDES AVE	839.80	S2 5+58	6	34	1.00%	S-6	310	1.0	WYE
3010 GEDDES AVE	844.10	S2 4+51	6	33	1.00%	S-6	204	7.1	TEE



- SANITARY SEWER NOTES:**
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
MAY 18, 2015	ALP/ANN	CEH		
APR. 22, 2015	ALP/ANN	CEH		
MAR. 26, 2015	ALP/ANN	CEH		
MAR. 13, 2015	ALP/ANN	CEH		
JAN. 29, 2015	ALP/ANN	CEH		

ADDENDUM No. 2

ISSUED FOR BIDS
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FINAL REVIEW SUBMITTAL
PRELIMINARY PLAN SUBMITTAL

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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
GEDDES AVENUE IMPROVEMENTS
SANITARY SEWER PLAN AND PROFILE
CONSTRUCTION STA. 21+50 TO STA. 25+50

SCALE PLAN: 1"=20'
PROFILE: 1"=4'

DRAWING No. SAN-05

SHEET No.

50 OF 187
ADD-2-Sheet 4



Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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APR. 22, 2015	ALP/ANN	CEH		
MAR. 26, 2015	ALP/ANN	CEH		
MAR. 13, 2015	ALP/ANN	CEH		
JAN. 29, 2015	ALP/ANN	CEH		

ADDENDUM No. 2
 ISSUED FOR BIDS
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 FINAL REVIEW SUBMITTAL
 PRELIMINARY PLAN SUBMITTAL



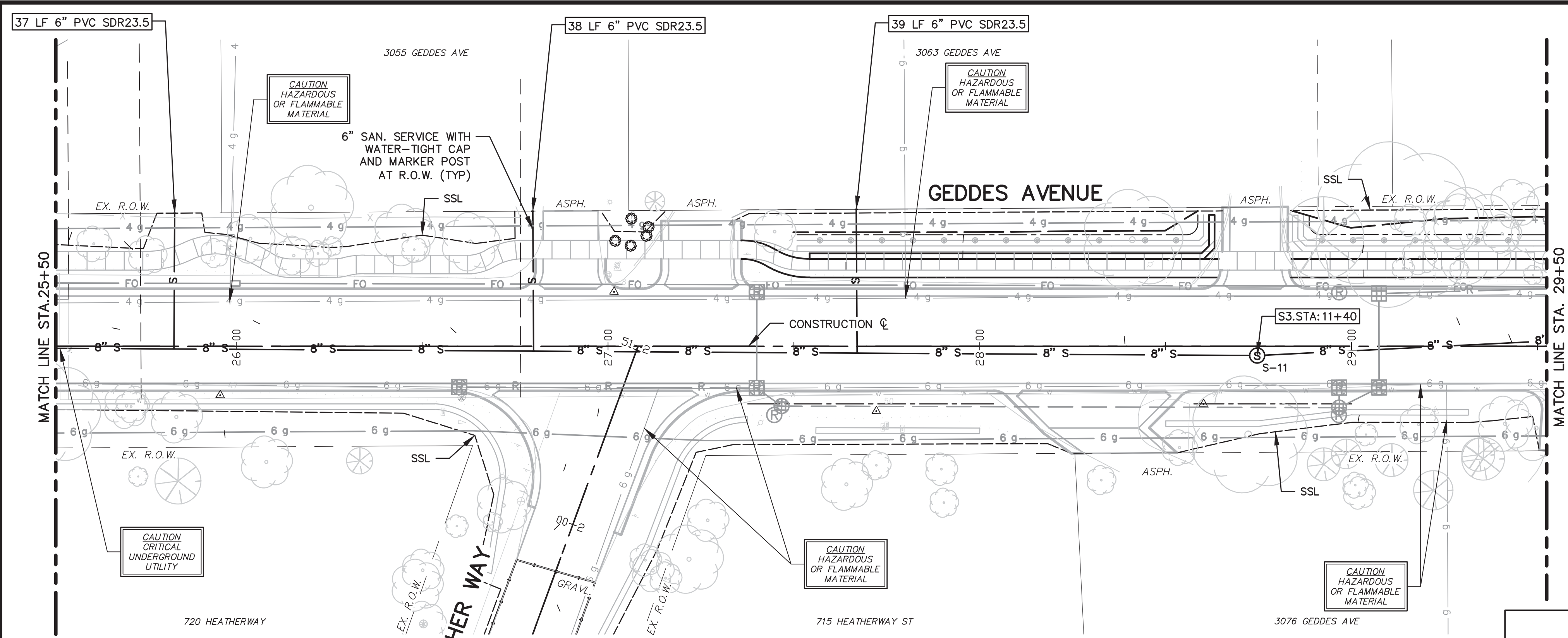
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
 GEDDES AVENUE IMPROVEMENTS
 SANITARY SEWER PLAN AND PROFILE
 CONSTRUCTION STA. 25+50 TO STA. 29+50

SCALE PLAN: 1"=20'
 PROFILE: 1"=4'

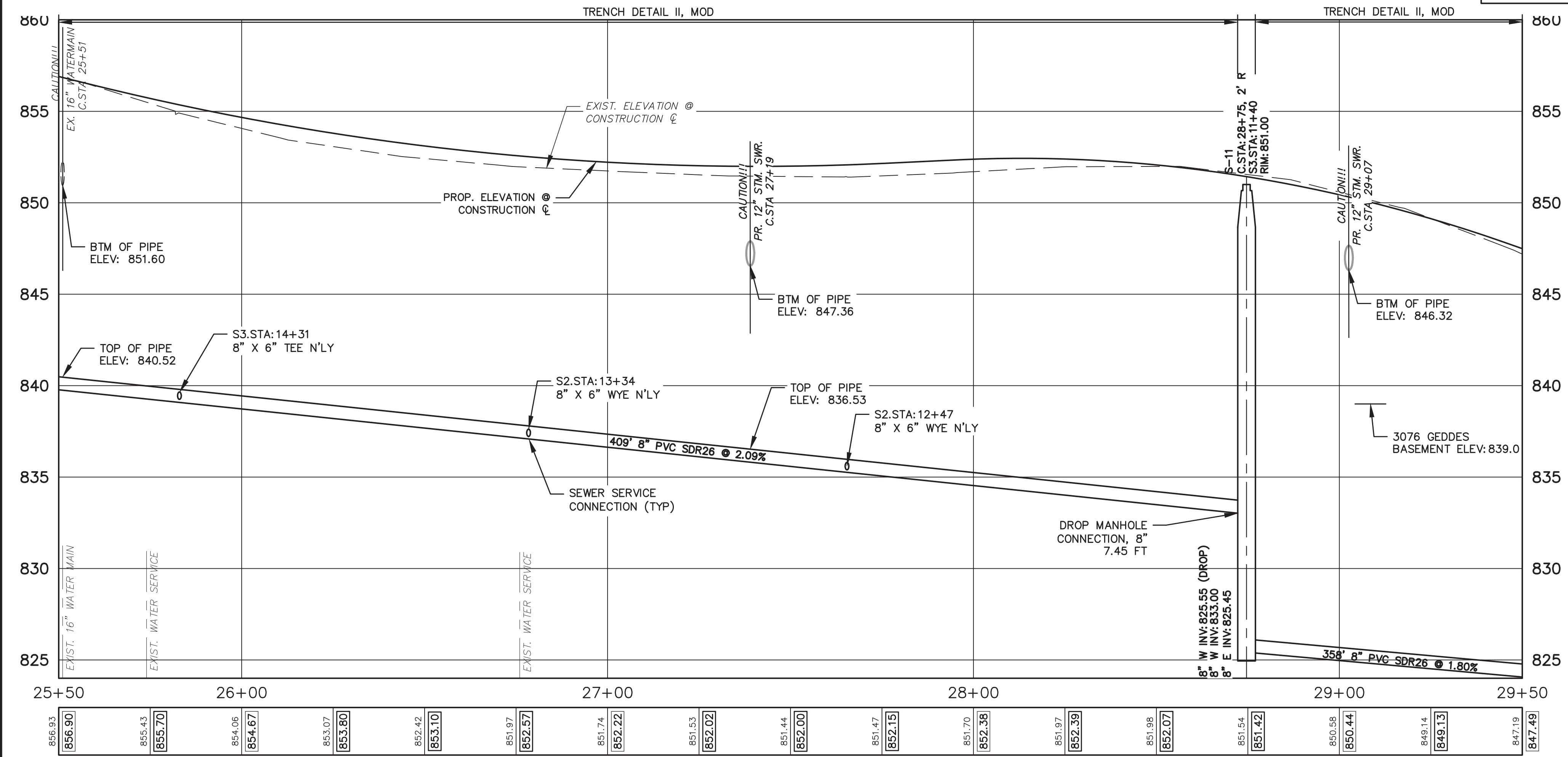
DRAWING No. SAN-06

SHEET No.



STRUCTURE	STATION	SEWER STATION	RIM ELEV.	INVERTS	DEPTH	DIA.	DETAIL	APPL./CONST.
S-11	28+75	S3 11+40	851.00	8" W 833.00 8" E 825.45	25.55	48 60	SD-S-1	NEW M.H.

ADDRESS	LEAD ELEV. AT R.O.W.	SEWER STATION	SIZE (INCHES)	LENGTH (FT)	SLOPE	D/S M.H.	DIST. FROM D/S M.H.	RISER HEIGHT	CONNECT. TYPE
3063 GEDDES AVE	847.10	S3 12+47	6	39	1.00%	S-11	108	11.6	TEE
3055 GEDDES AVE	851.40	S3 13+34	6	38	1.00%	S-11	195	14.0	TEE
3053 GEDDES AVE	848.10	S3 14+31	6	37	0.99%	S-11	291	8.0	TEE

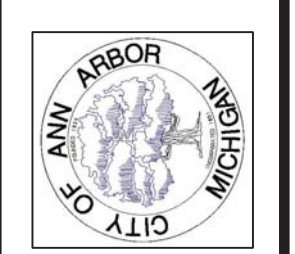


- SANITARY SEWER NOTES:**
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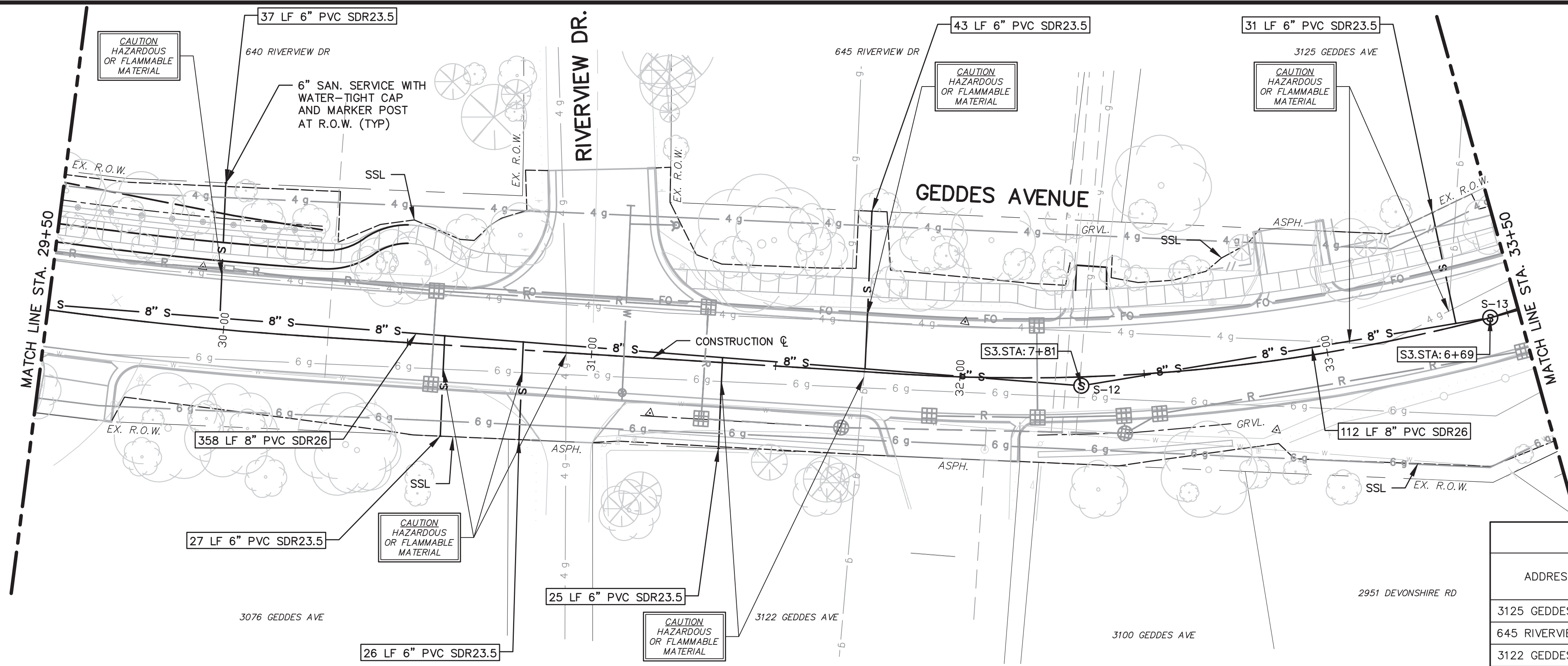
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
MAY 18, 2015	ALP/ANN	CEH		
APR. 22, 2015	ALP/ANN	CEH		
MAR. 26, 2015	ALP/ANN	CEH		
MAR. 13, 2015	ALP/ANN	CEH		
JAN. 29, 2015	ALP/ANN	CEH		

ADDENDUM No. 2
 ISSUED FOR BIDS
 FINAL PLAN SUBMITTAL
 FINAL REVIEW SUBMITTAL
 PRELIMINARY PLAN SUBMITTAL

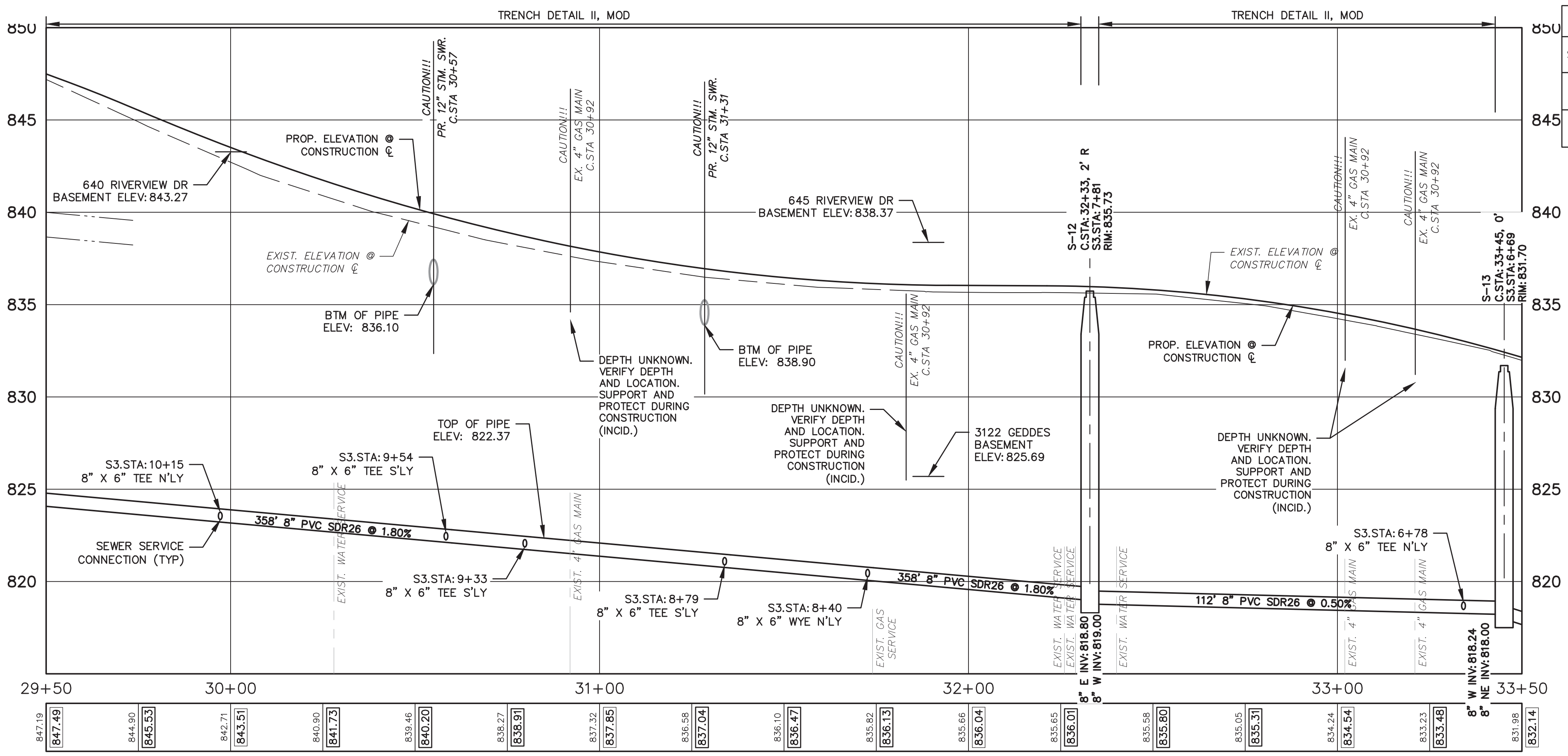


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 GEDDES AVENUE IMPROVEMENTS
 SANITARY SEWER PLAN AND PROFILE
 CONSTRUCTION STA. 29+50 TO STA. 33+50
 SCALE PLAN: 1"=20'
 PROFILE: 1"=4'
 DRAWING No. SAN-07



ADDRESS	LEAD ELEV. AT R.O.W.	SEWER STATION	SIZE (INCHES)	LENGTH (FT)	SLOPE	D/S M.H.	DIST. FROM D/S M.H.	RISER HEIGHT	CONNECT. TYPE
3125 GEDDES AVE	825.00	S3 6+78	6	31	1.00%	S-13	9	9.6	TEE
645 RIVERVIEW DR	829.80	S3 8+40	6	43	1.00%	S-12	58	9.3	TEE
3122 GEDDES AVE	821.70	S3 8+79	6	25	1.00%	S-12	97	0.7	WYE
3090 GEDDES AVE	827.10	S3 9+33	6	26	1.00%	S-12	151	5.1	TEE
3076 GEDDES AVE	828.20	S3 9+54	6	27	1.00%	S-12	173	5.8	TEE
640 RIVERVIEW DR	838.30	S3 10+15	6	37	1.00%	S-12	234	14.7	TEE



STRUCTURE	STATION	SEWER STATION	RIM ELEV.	INVERTS	DEPTH	DIA.	DETAIL	APPL./CONST.
S-12	32+33	S3 7+81	835.73	8" E 818.80 8" W 819.00	16.93	48	SD-S-1	NEW M.H.
S-13	33+45	S3 6+69	831.70	8" W 818.24 8" NE 818.00	13.70	48	SD-S-1	NEW M.H.

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847.19	847.49	844.90	845.53	842.71	843.51	840.90	841.73	839.46	840.20	838.27	838.91	837.32	837.85	836.58	837.04	836.10	836.47	835.82	836.13	835.66	836.04	835.65	836.01	835.98	835.80	835.05	835.31	834.24	834.54	833.23	833.48	831.98	832.14
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Know what's below. Call before you dig.

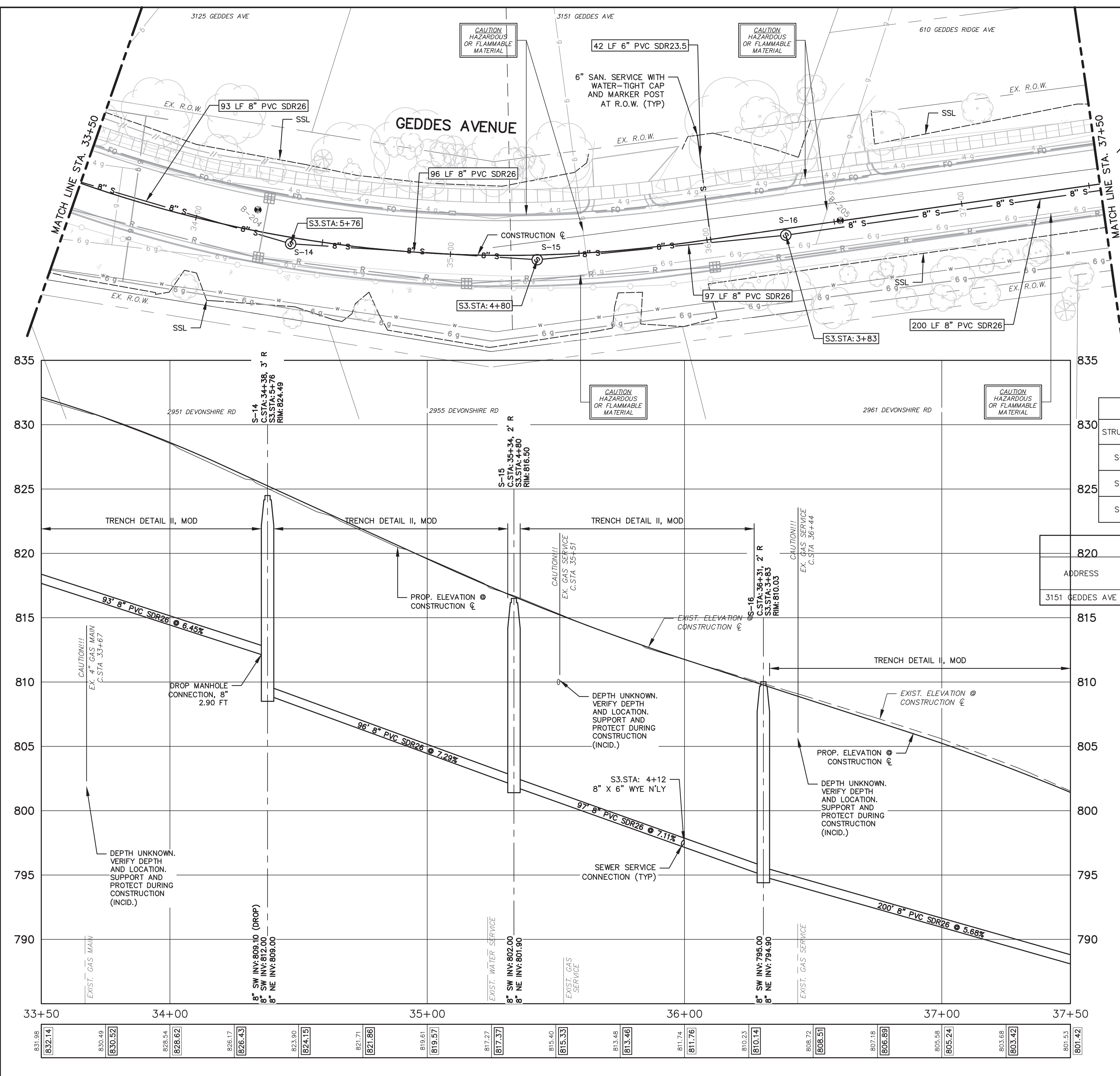
ADDENDUM No. 2	ISSUED FOR BIDS	FINAL PLAN SUBMITTAL	FINAL REVIEW SUBMITTAL	PRELIMINARY PLAN SUBMITTAL	DESCRIPTION	REV.	DATE	DRAWN	CHECKED
MAY 18, 2015	ALP/AMN	ALP/AMN	ALP/AMN	ALP/AMN					
APR. 22, 2015	CEH	CEH	CEH	CEH					
MAR. 26, 2015	ALP/AMN	ALP/AMN	ALP/AMN	ALP/AMN					
MAR. 13, 2015	ALP/AMN	ALP/AMN	ALP/AMN	ALP/AMN					
JAN. 29, 2015	ALP/AMN	ALP/AMN	ALP/AMN	ALP/AMN					

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-8647
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
GEDDES AVENUE IMPROVEMENTS
SANITARY SEWER PLAN AND PROFILE
CONSTRUCTION STA. 33+50 TO STA. 37+50

SCALE PLAN: 1"=20' PROFILE: 1"=4'
DRAWING No. SAN-08



STRUCTURE	STATION	SEWER STATION	RIM ELEV.	INVERTS	DEPTH	DIA.	DETAIL	APPL./CONST.
S-14	34+38	S3 5+76	824.49	8" SW 812.00 8" NE 809.00	15.49	48	SD-S-1	NEW M.H.
S-15	35+34	S3 4+80	816.50	8" SW 802.00 8" NE 801.90	14.60	48	SD-S-1	NEW M.H.
S-16	36+31	S3 3+83	810.03	8" SW 795.00 8" NE 794.90	15.13	48	SD-S-1	NEW M.H.

ADDRESS	LEAD ELEV. AT R.O.W.	SEWER STATION	SIZE (INCHES)	LENGTH (FT)	SLOPE	D/S M.H.	DIST. FROM D/S M.H.	RISER HEIGHT	CONNECT. TYPE
3151 GEDDES AVE	801.50	S3 4+12	6	42	1.00%	S-16	29	4.1	TEE

- SANITARY SEWER NOTES:**
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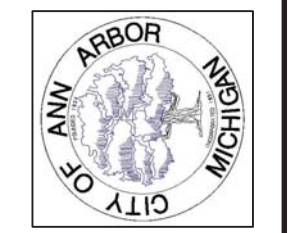




CEH	CEH	CEH	CEH	CEH	CEH	CEH
ALP/ANN	ALP/ANN	ALP/ANN	ALP/ANN	ALP/ANN	ALP/ANN	ALP/ANN
MAY 18, 2015	APR 22, 2015	MAR 26, 2015	MAR 13, 2015	JAN 29, 2015	DATE	CHECKED
					DATE	DRAWN

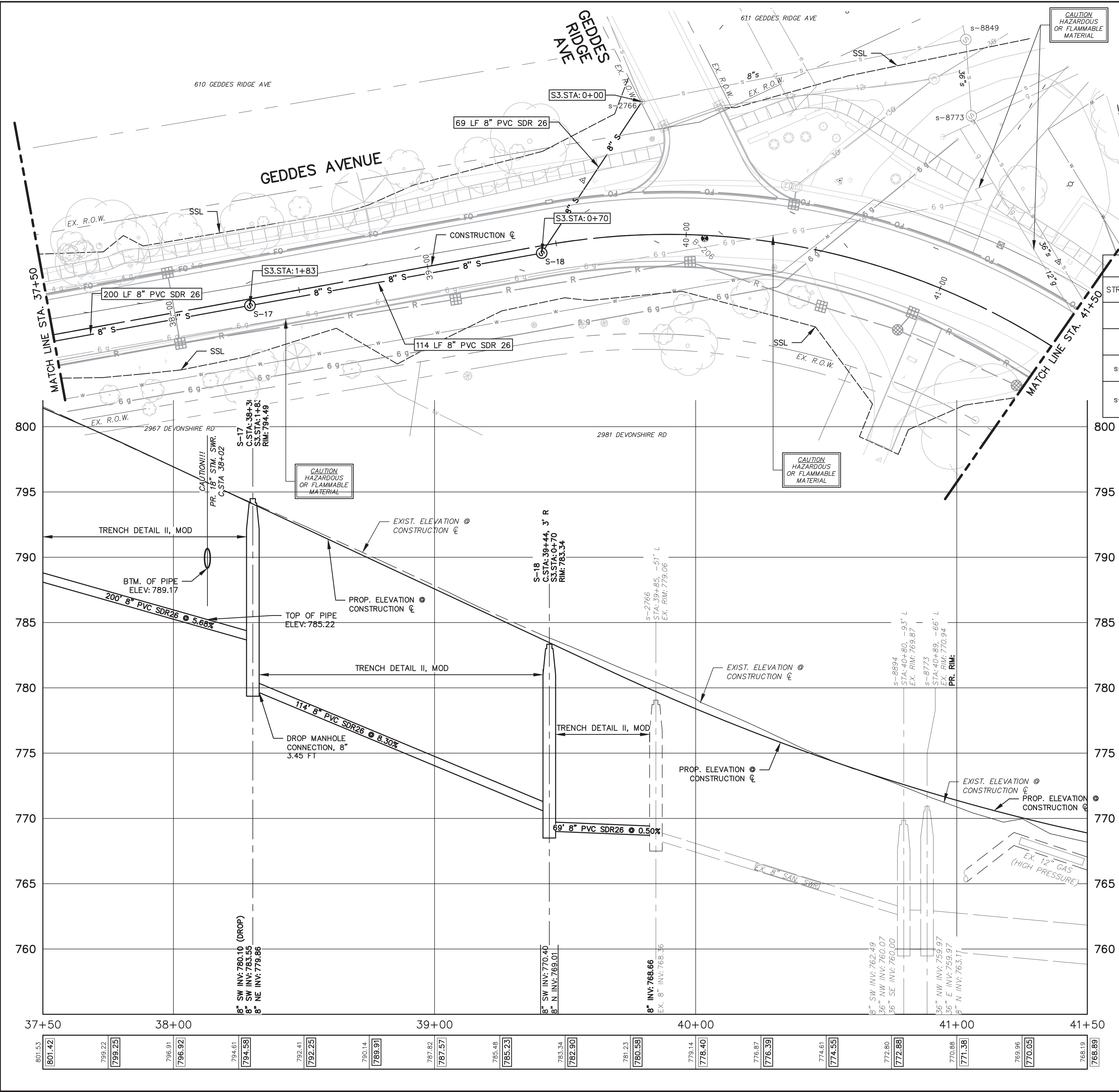
ADDENDUM No. 2	ISSUED FOR BIDS	FINAL PLAN SUBMITTAL	FINAL REVIEW SUBMITTAL	PRELIMINARY PLAN SUBMITTAL	REV.	DESCRIPTION

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-8647
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
GEDDES AVENUE IMPROVEMENTS
SANITARY SEWER PLAN AND PROFILE
CONSTRUCTION STA. 37+50 TO STA. 41+50

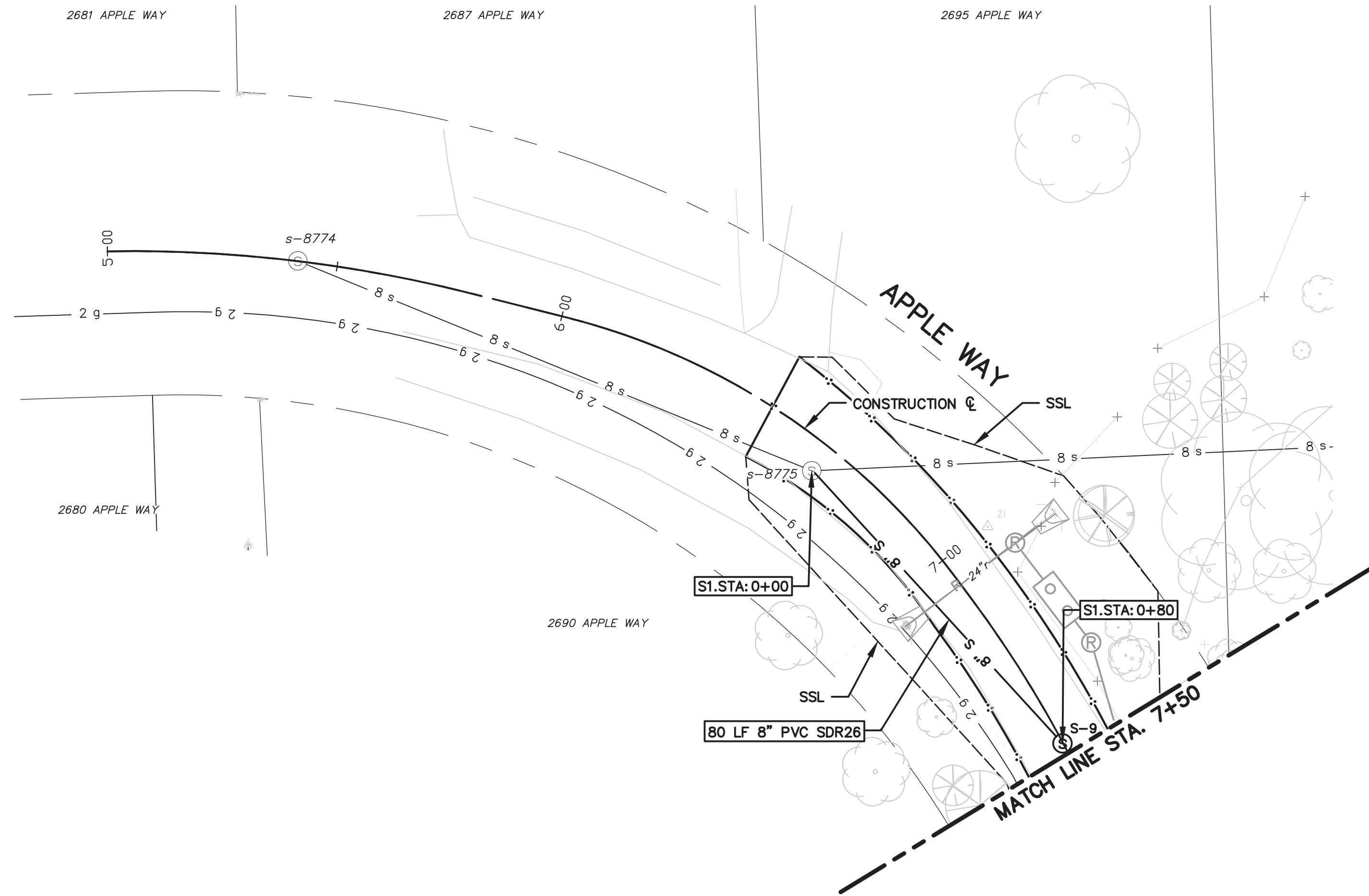
SCALE PLAN: 1"=20'
PROFILE: 1"=4'
DRAWING No. SAN-09



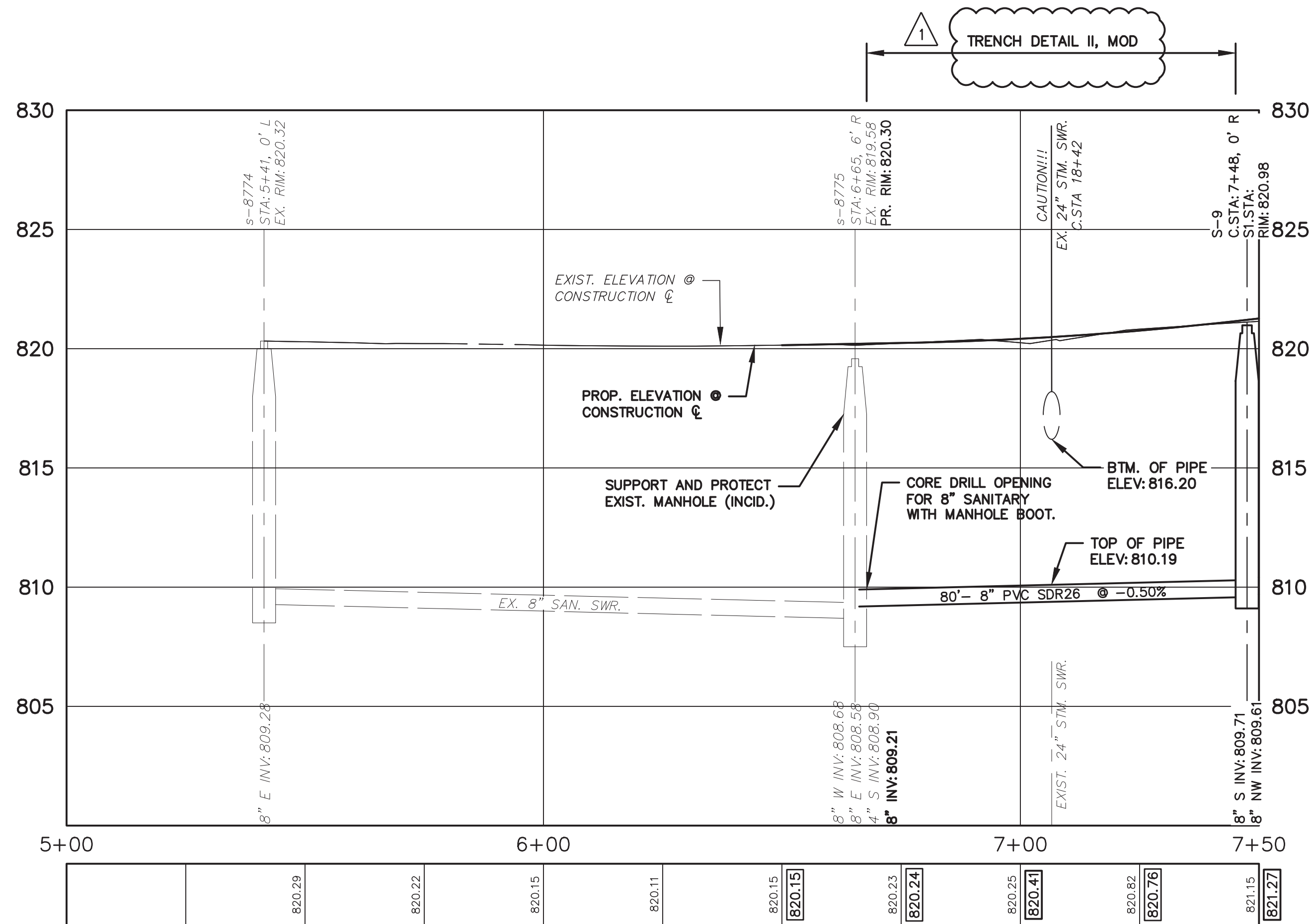
STRUCTURE	CONST. STATION	SEWER STATION	RIM ELEV.	INVERTS	DEPTH	DIA.	DETAIL	APPLI/CONST.
S-17	38+30	S3 1+83	794.49 PR.	8" SW 783.55 8" NE 779.86	14.63	48	SD-S-1	NEW M.H.
S-18	39+44	S3 0+70	783.34 PR.	8" SW 770.40 8" N 769.00	14.34	48	SD-S-1	NEW M.H.
s-2766	39+85	S3 0+00	779.06 EX.	8" NW 768.60 8" NE 768.36	11.06	48	SD-S-1	EX. M.H./SWR. TAP/
s-8773	40+89	N/A	770.94 EX.	36" NW 759.97 36" E 759.97 8" N 763.11	10.97	48	SD-S-1	EX. M.H.

- SANITARY SEWER NOTES:**
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STRUCTURE	STATION	SEWER STATION	RIM ELEV.	INVERTS	DEPTH	DIA.	DETAIL	APPL./CONST.
s-8774	5+41	N/A	820.32	8" E 809.28	11.32	48	SD-S-1	EX. M.H.
s-8775	6+65	S1 0+00	819.58	8" W 808.68 8" E 808.58 4" S 808.90	11.58	48	SD-S-1	EX. M.H./SWR. TAP
S-9	7+48	S1 0+80	820.98	8" S 809.71 8" NW 809.61	11.37	48	SD-S-1	NEW M.H.



SANITARY SEWER NOTES:

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DATE	DESCRIPTION	DRWN	CHEK
MAY 18, 2015	ALP/ANN	CEH	CHEK
MAY 13, 2015	ALP/ANN	CEH	CHEK
APR. 22, 2015	ALP/ANN	CEH	CHEK
MAR. 26, 2015	ALP/ANN	CEH	CHEK
MAR. 13, 2015	ALP/ANN	CEH	CHEK

ADDENDUM No. 2
ADDENDUM No. 1
ISSUED FOR BIDS
FINAL PLAN SUBMITTAL
FINAL REVIEW SUBMITTAL

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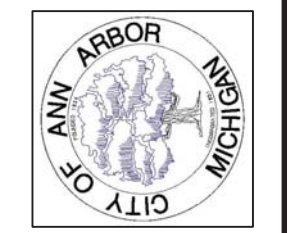


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
SCALE
DRAWING No. SAN-13
GEDDES AVENUE IMPROVEMENTS
SANITARY SEWER PLAN AND PROFILE
APPLE WAY CONSTRUCTION STA. 5+00 TO STA. 7+50



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
MAY 18, 2015	ALP/ANN	CEH		
MAY 13, 2015	ALP/ANN	CEH		
APR 22, 2015	ALP/ANN	CEH		
MAR 26, 2015	ALP/ANN	CEH		
MAR 13, 2015	ALP/ANN	CEH		

ADDENDUM No. 2
 ADDENDUM No. 1
 ISSUED FOR BIDS
 FINAL PLAN SUBMITTAL
 FINAL REVIEW SUBMITTAL

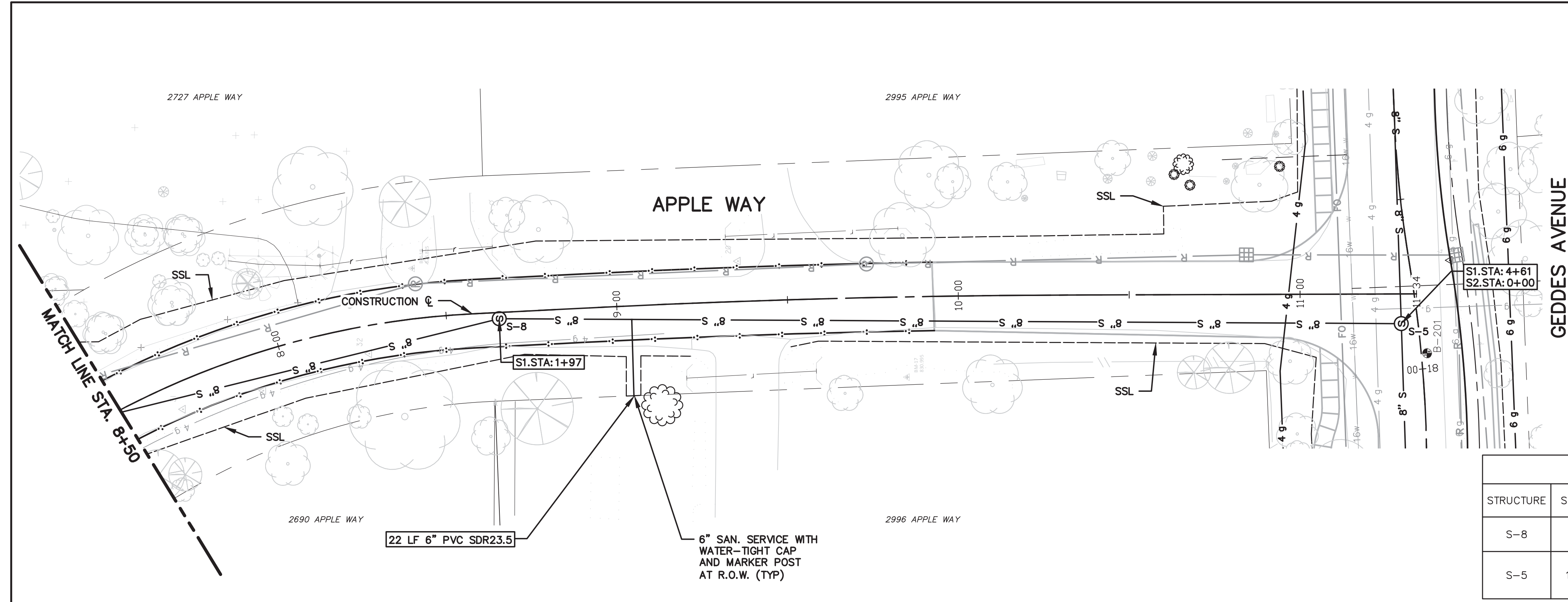


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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
 GEDES AVENUE IMPROVEMENTS
 SANITARY SEWER PLAN AND PROFILE
 APPLE WAY CONSTRUCTION STA. 7+50 TO STA. 11+34 (P.O.E.)

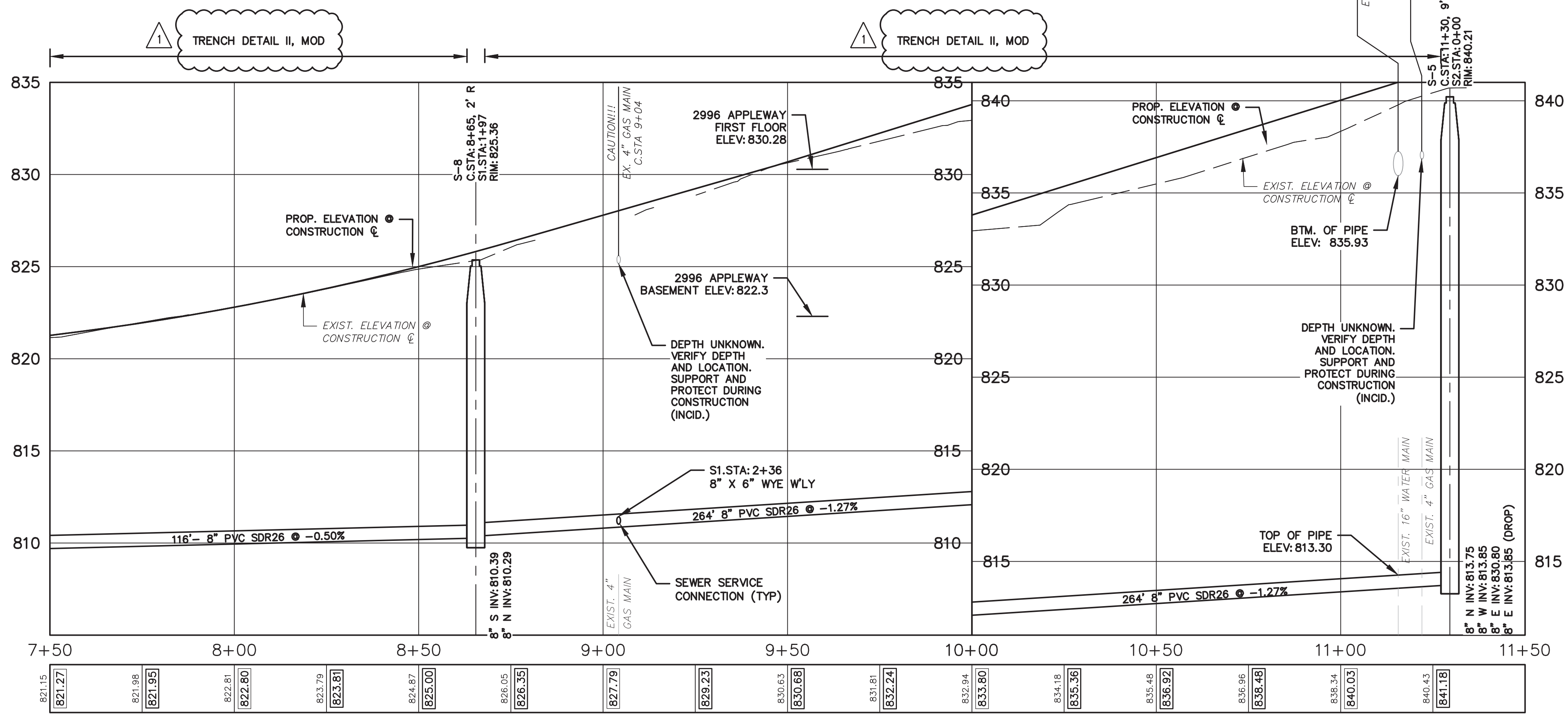
DRAWING No. SAN-14

SHEET No.

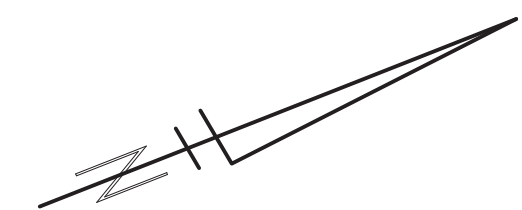
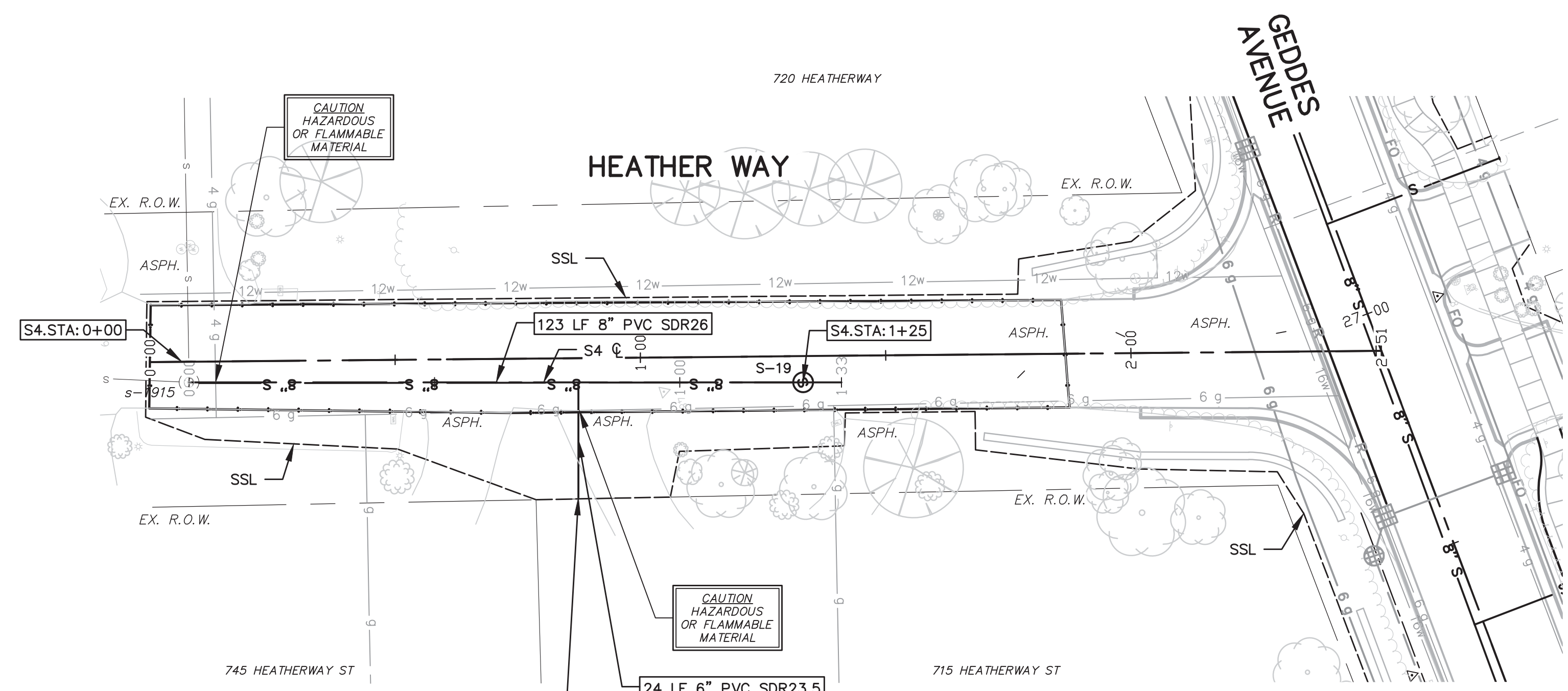


STRUCTURE	STATION	SEWER STATION	RIM ELEV.	INVERTS	DEPTH	DIA.	DETAIL	APPL./CONST.
S-8	8+65	S1 1+97	825.36	8" S 810.39 8" N 810.29	15.11	48	SD-S-1	NEW M.H.
S-5	11+30	S1 4+61 S2 0+00	840.21	8" N 813.75 8" W 813.85 8" E 830.80	26.46	48	SD-S-1	NEW M.H.

ADDRESS	LEAD ELEV. AT R.O.W.	SEWER STATION	SIZE (INCHES)	LENGTH (FT)	SLOPE	D/S M.H.	DIST. FROM D/S M.H.	RISER HEIGHT	CONNECT. TYPE
2996 APPLE WAY	816.30	S1 2+36	6	22	1.00%	S-8	39	5.5	TEE



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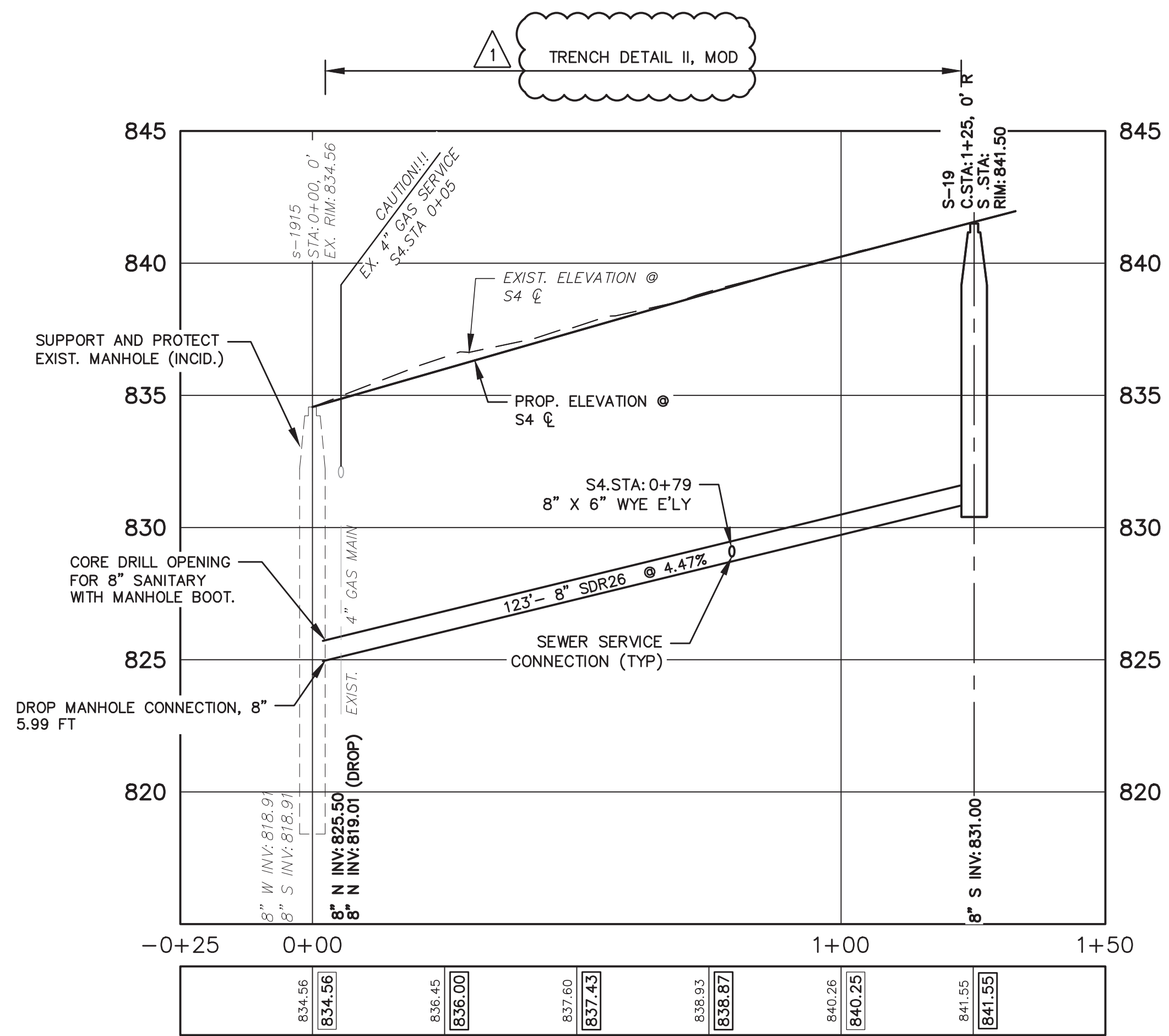


SANITARY SEWER LEAD TABLE


ADDRESS	GROUND ELEV. AT R.O.W.	SEWER STATION	SIZE (INCHES)	LENGTH (FT)	SLOPE	D/S M.H.	DIST. FROM D/S M.H.	RISER HEIGHT	CONNECT. TYPE
715 HEATHER WAY	830.60	S4 0+79	6	24	1.50%	s-1915	79	1.6	TEE

SANITARY SEWER STRUCTURE TABLE

STRUCTURE	CONST. STATION	SEWER STATION	RIM ELEV.	INVERTS	DEPTH	DIA.	DETAIL	APPLI/CONST.
s-1915	0+00	S4 0+00	834.56	8" W 818.91 EX. 8" S 818.91 EX.	15.65	48	SD-S-1	EX. M.H./SWR. TAP
S-19	1+25	S4 1+25	841.50	8" S 831.00 PR.	10.60	48	SD-S-1	NEW M.H.



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MAY 18, 2015	ALP/ANN			
MAY 13, 2015	ALP/ANN			
APR 22, 2015	ALP/ANN			
MAR 26, 2015	ALP/ANN			
MAR 13, 2015	ALP/ANN			

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

GEDDES AVENUE IMPROVEMENTS

SANITARY SEWER PLAN AND PROFILE

HEATHER WAY S4 STA. 0+00 TO STA. 1+35

SCALE PLAN: 1"=20' PROFILE: 1"=4'

DRAWING No. SAN-15

SHEET No.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-8647
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58 OF 187
ADD-2-Sheet 11

PAY ITEM #	DESCRIPTION	QUANTITY	UNIT
130	Protective Fence, Orange, Plastic, 4 Foot Ht.	9000	Ft
135	Tree Removal, 6" to 17"	87	Ea
135A	Tree Removal, 18" and Larger	39	Ea
135B	Excavation for Tree Evaluation	150	Hr
140	Exploratory Excavation, Trench Detail I (0-10' deep)	6	Ea
141	Exploratory Excavation, Trench Detail VI (0-10' deep)	4	Ea
144	Exploratory Excavation Add'l Depth	20	VF
201	Project Supervision, Max. \$100,000	1	LS
202	General Conditions, Max. \$100,000	1	LS
203	Minor Traf Devices, Max. \$100,000	1	LS
203A	Traffic Regulator Control	600	Hr
204	Preconstruction Documentation	1	LS
205	Railroad Flagger Allowance	48000	Dlr
206	Machine Grading, Modified	51	Sta
207	Subgrade Undercutting, Type II	2975	Cyd
208	Pavt Mrkg, Sprayable, Thermopl, 6 inch, White	6635	Ft
209	Pavt Mrkg, Sprayable, Thermopl, 4 inch, Yellow	8766	Ft
210	Pavt Mrkg, Thermopl, 6 inch, Crosswalk	300	Ft
211	Pavt Mrkg, Thermopl, 12 inch, Crosswalk	128	Ft
212	Pavt Mrkg, Thermopl, 24 inch Stop Bar	120	Ft
213	Guardrail, Type B	438	Ft
214	Guardrail Approach Terminal, Type 1B	1	Ea
215	Guardrail Approach Terminal, Type 2B	1	Ea
216	Conduit, Schedule 80 PVC, 2-3 inch, Special	4406	Ft
217	Communication Handhole Assembly, Complete	11	Ea
218	HMA, 5E1	1308	Ton
219	HMA, 4E1	3682	Ton
220	HMA Driveway Approach	90	Ton
221	HMA, LVSP	35	Ton
222	HMA Plane of Weakness Joint	383	Ft
223	Temporary HMA Pavement	1000	Ton
224	Maintenance Aggregate	2000	Ton
225	Decorative Stone Wall Removal	1	LS
226	Fence, Rem	377	Ft
227	Guardrail, Rem	489	Ft
228	HMA Surface, Rem	16474	Syd
229	Cold Milling HMA Surface	698	Syd
230	Remove Concrete Curb or Curb & Gutter - Any Type	851	Ft
231	Remove Concrete Sidewalk and Drive - Any Thickness	2193	Sft
232	Concrete Curb or Curb & Gutter - Any Type	5333	Ft
233	Concrete M-Opening - High Early	766	Ft
234	4 inch Concrete Sidewalk	18431	Sft
235	6 inch Concrete Sidewalk, Ramp or Drive	2027	Sft
235A	6 inch Concrete Sidewalk, Ramp or Drive - High Early	6473	Sft
236	Detectable Warning, Cast In Place	160	Sft
237	Adjust Structure Cover	8	Ea
238	Adjust Curb Inlet Structure Cover	4	Ea
239	Adjust Monument Box or Gate Valve Box or Gas Box	15	Ea
240	Structure Cover	68	Ea
241	Culv, Rem, 24 inch to 48 inch	1	Ea
242	Sewer, Rem - Any Size	124	Ft
243	Dr Structure, Rem	5	Ea
244	Modular Concrete Block Wall	1476	Sft
245	Natural Boulder Retaining Wall	2816	Sft
246	Subbase, CIP, Granular Material, CI II	1352	Cyd
247	Sand Subbase Course, Class II - C.I.P.	5498	Cyd
248	Aggregate Base Course, 21AA Limestone, 4 inch, C.I.P.	23	Syd
249	Aggregate Base Course, 21AA Limestone, 6 inch, C.I.P.	3631	Syd
250	Aggregate Base Course, 21AA Limestone, 8 inch, C.I.P.	16532	Syd
251	Aggregate Surface Cse, 8 inch	1203	Syd
252	Wood Privacy Fence	99	Ft
253	Wood Picket Fence	165	Ft
254	Plastic Drum - Lighted - Furnish and Operate	300	Ea
255	Barricade, Type III - Lighted - Furnish and Operate	50	Ea
256	Temporary Sign, Type B	345	Sft
257	Temporary Sign, Type B, Special	633	Sft
258	Channelizing Device, 42 inch, Furnish and Operate	100	Ea

PAY ITEM #	DESCRIPTION	QUANTITY	UNIT
259	Sign, Portable, Changeable Message, Furn	2	Ea
260	Sign, Portable, Changeable Message, Oper	2	Ea
261	Mast Arm, Rem	1	Ea
262	Mast Arm Std, Rem	1	Ea
263	Fdn, Rem	1	Ea
264	Pedestal, Rem	4	Ea
265	Pedestal Fdn, Rem	4	Ea
266	Case Sign, Rem	1	Ea
267	Sign, Type III, Rem	107	Ea
268	Mast Arm Pole, Cat III, Mod	2	Ea
269	Mast Arm, 20 foot, Cat III, Mod	2	Ea
270	Mast Arm Pole, Fdn	2	Ea
271	Pedestal, Fdn	2	Ea
272	Pedestal, Alum, Salv	2	Ea
273	Conduit, DB, 2, 3 inch	80	Ft
274	Riprap	20	Syd
275	Underdrain, Subbase, 6 inch, Special	8206	Ft
276	Culvert, CI IV RCP, 24 inch	30	Ft
277	End Section, 54 inch	1	Ea
278	End Section, 24 inch	2	Ea
278A	End Section, 30 inch	1	Ea
282	30 inch Slip-Lining Pipe	74	Ft
283	CIP Conc Manhole Base	1	Ea
284	Hydrodynamic Separator	1	Ea
285	Outlet Control Structure	1	Ea
286	Energy Dissipation Structure	1	Ea
287	Single Inlet	18	Ea
288	8 inch Schedule 80 PVC Pipe, Trench Detail I	56	LF
290	Drainage Aggregate, Type I	4100	Ton
291	Drainage Aggregate, Type II	70	Ton
292	Geotextile Blanket	1470	Syd
293	Geotextile Separator	14237	Syd
294	8 inch HDPE Dual Wall, Perforated Infiltration Pipe	547	Lft
295	12 inch HDPE Dual Wall, Perforated Infiltration Pipe	1002	Lft
296	24 inch Dia Maintenance Basin	16	Ea
297	8 inch Sewer Tap	4	Ea
298	Temp. Water Stop, 16 inch and Larger	7	Ea
299	Temp. Water Stop, 12 inch and Smaller	2	Ea
305	8 inch SDR 26 PVC Pipe, Trench Detail II Mod	3274	LF
320	12 inch C-76 CI IV RCP, Trench Detail I	1824	Ft
321	15 inch C-76 CI IV RCP, Trench Detail I	95	Ft
322	18 inch C-76 CI IV RCP, Trench Detail I	89	Ft
323	24 inch C-76 CI IV RCP, Trench Detail I	570	Ft
324	36 inch C-76 CI IV RCP, Trench Detail I	694	Ft
335	8 inch by 6 inch SDR 26 PVC Tee (or Wye)	23	Ea
350	6 inch SDR 23.5 PVC Riser	153	VF
353	6 inch SDR 23.5 PVC Service Lead	805	LF
356-SP	Sewer, MH, 48 inch dia, (0-10 ft deep)	17	Ea
357-SP	Sewer MH, 48 inch dia Add'l Depth	108	VF
358-SP	Sewer MH, 60 inch dia, (0-10 ft deep)	2	Ea
359-SP	Sewer, MH, 60 inch dia, Add'l Depth	33	VF
360	Type I Manhole (0-10' deep)	34	Ea
361	Manhole Additional Depth	34	Ft
364	Type III Manhole	2	Ea
370	8 inch Drop Connection	38	VF
392	Pipe Undercut & Refill (6A)	540	CY
400	20 inch, PC350 DIP w/ Polyethylene Wrap, Trench Detail I	912	LF
401	16 inch, PC350 DIP w/Polyethylene Wrap, Trench Detail I	15	LF
402	8 inch, Class 50 DIP w/Polyethylene Wrap, Trench Detail I	328	LF
403	6 inch, Class 50 DIP w/Polyethylene Wrap, Trench Detail I	63	LF
404	20 inch, Water Main Cap	2	Ea
405	16 inch, Water Main Cap	4	Ea
406	8 inch, Water Main Cap	4	Ea
407	6 inch, Water Main Cap	2	Ea

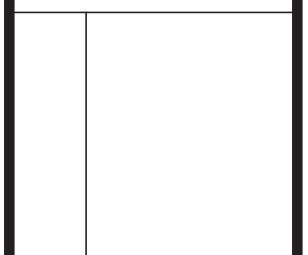
PAY ITEM #	DESCRIPTION	QUANTITY	UNIT
410	20 inch, 11.25° Bend	3	Ea
411	20 inch, 22.5° Bend	2	Ea
412	16 inch, 45° Bend	1	Ea
413	8 inch, 11.25° Bend	2	Ea
414	8 inch, 22.5° Bend	3	Ea
415	8 inch, 90° Bend	1	Ea
416	6 inch, 90° Bend	1	Ea
420	8 inch x 6 inch Reducer	2	Ea
430	20 inch by 16 inch Tee	1	Ea
431	20 inch by 8 inch Tee	1	Ea
432	20 inch by 6 inch Tee	1	Ea
433	16 inch by 8 inch Tee	2	Ea
434	8 inch by 6 inch Tee	2	Ea
440	Fire Hydrant Assembly	5	Ea
443	8 inch Gate Valve-in-Well	1	Ea
444	16 inch Gate Valve-in-Box	1	Ea
446	20 inch Butterfly Valve-in-Well	1	Ea
447	16 inch Gate Valve-in-Well	1	Ea
450	16 inch by 6 inch Tapping Sleeve Valve-in-Box	1	Ea
451	16 inch by 8 inch Tapping Sleeve Valve-in-Well	4	Ea
460	Excavate & Backfill for Water Service Tap and Lead	86	LF
461	Water Service Lead, 1 inch	86	LF
481	Water Main Pipe Abandonment	1413	LF
482	6 inch Gate Valve-in-Box Abandonment	1	Ea
483	16 inch Butterfly Valve-in-Well Abandonment	1	Ea
490	1 inch Air-Relief Assembly	1	Ea
583	Temporary Pavement Marking, 4 inch White or Yellow, Type NR	3600	Ft
590	Pavt Mrkg, Ovly Cold Plastic, Thru Arrow Sym	9	Ea
591	Pavt Mrkg, Ovly Cold Plastic, Bike	9	Ea
702	Inlet Filter	45	Ea
800	Silt Fence	10271	Ft
881	Turf Establishment	18178	Syd
881A	Landscaping Maintenance and Warranty, 1st Year, Min. \$15,000	1	LS
881B	Landscaping Maintenance and Warranty, 2nd Year, Min. \$10,000	1	LS
900	Excavation, Fdn	5620	Cyd
901	Earth Retention System, Temp, Left in Place	940	Sft
902	Backfill, Structure, CIP	6840	Cyd
903	Aggregate, 21A, Modified	400	Cyd
904	Underdrain, Fdn, 4 inch	905	Ft
905	Underdrain Outlet, 4 inch	360	Ft
906	Underdrain Outlet Ending, 4 inch	18	Ea
907	Substructure, Conc	1187	Cyd
908	Reinforcement, Steel, Epoxy Coated	169124	Lb
909	Bridge Railing, 4 Tube	905	Ft
910	Sprinkler Head, Relocate	50	Ea
911	Sprinkler Head, Replace	150	Ea
912	Sprinkler Line	3000	Ft
913	Aluminum Rail Fence, Direct Bury	280	Ft
914	Landscape Stone	164	Syd
915	Underdrain Outlet, 6 inch	30	Ft
916	Post Mailbox, Modified	30	Ea
917	Gleditsia T.I. Imperial, 2.5 inch cal.	11	Ea
918	Nyssa Sylvatica, 2.5 inch	9	Ea
919	Ostrya Virginiana, 2 inch	6	Ea
920	Parthenocissus Tricuspidata, #1 container	72	Ea
921	Picea Glauca, 10 ft ht.	25	Ea
922	Pinus Rubra, 10 ft ht.	10	Ea
923	Quercus Bicolor, 2.5 inch	16	Ea
924	Quercus Rubra, 2.5 inch	17	Ea
925	Fire Hydrant Assembly, Rem	1	Ea
926	Fire Hydrant Adjustment	3	Ea
927	Fire Hydrant Relocate	2	Ea
928	Temporary Turf Establishment	5300	Syd
929	Gas Main, Rem	6819	Ft

2 QUANTITY TABLE WAS UPDATED.



ADDENDUM No. 2	ADDENDUM No. 1	ISSUED FOR BIDS	FINAL PLAN SUBMITTAL	FINAL REVIEW SUBMITTAL	REV. DESCRIPTION
CEH	CEH	CEH	CEH	CEH	CHECKED
MAY 18, 2015	MAY 13, 2015	APR 22, 2015	MAR 26, 2015	MAR 13, 2015	DATE
ALP/ANN	ALP/ANN	ALP/ANN	ALP/ANN	ALP/ANN	DRAWN

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-8647
www.a2gov.org



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
SCALE NO. SCALE
DRAWING No. QTY-01
GEDDES AVENUE IMPROVEMENTS
QUANTITY SUMMARY SHEET