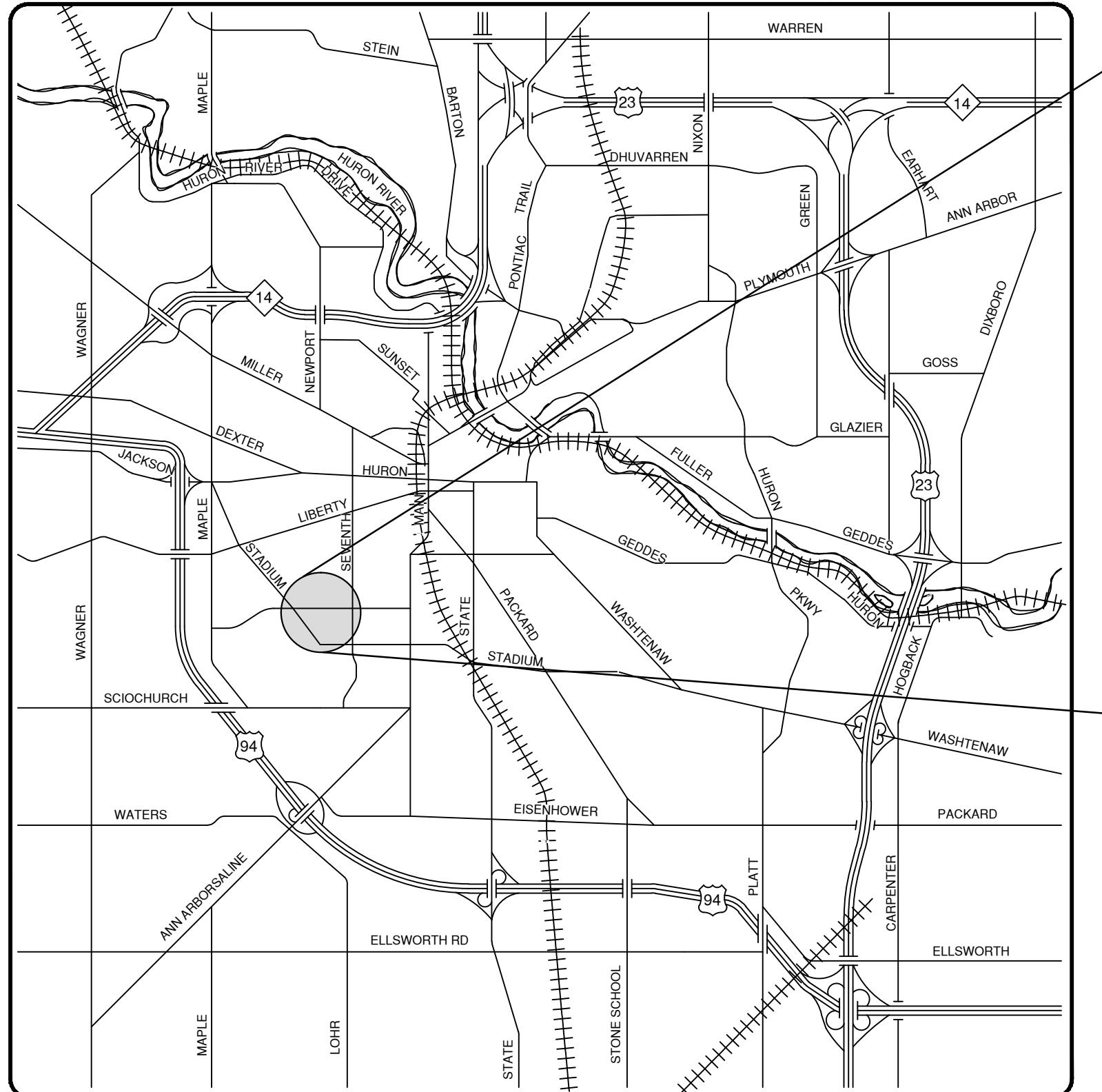
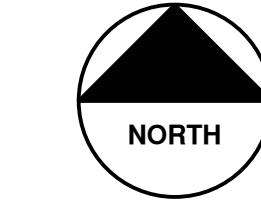


# CITY OF ANN ARBOR PROJECT MANAGEMENT

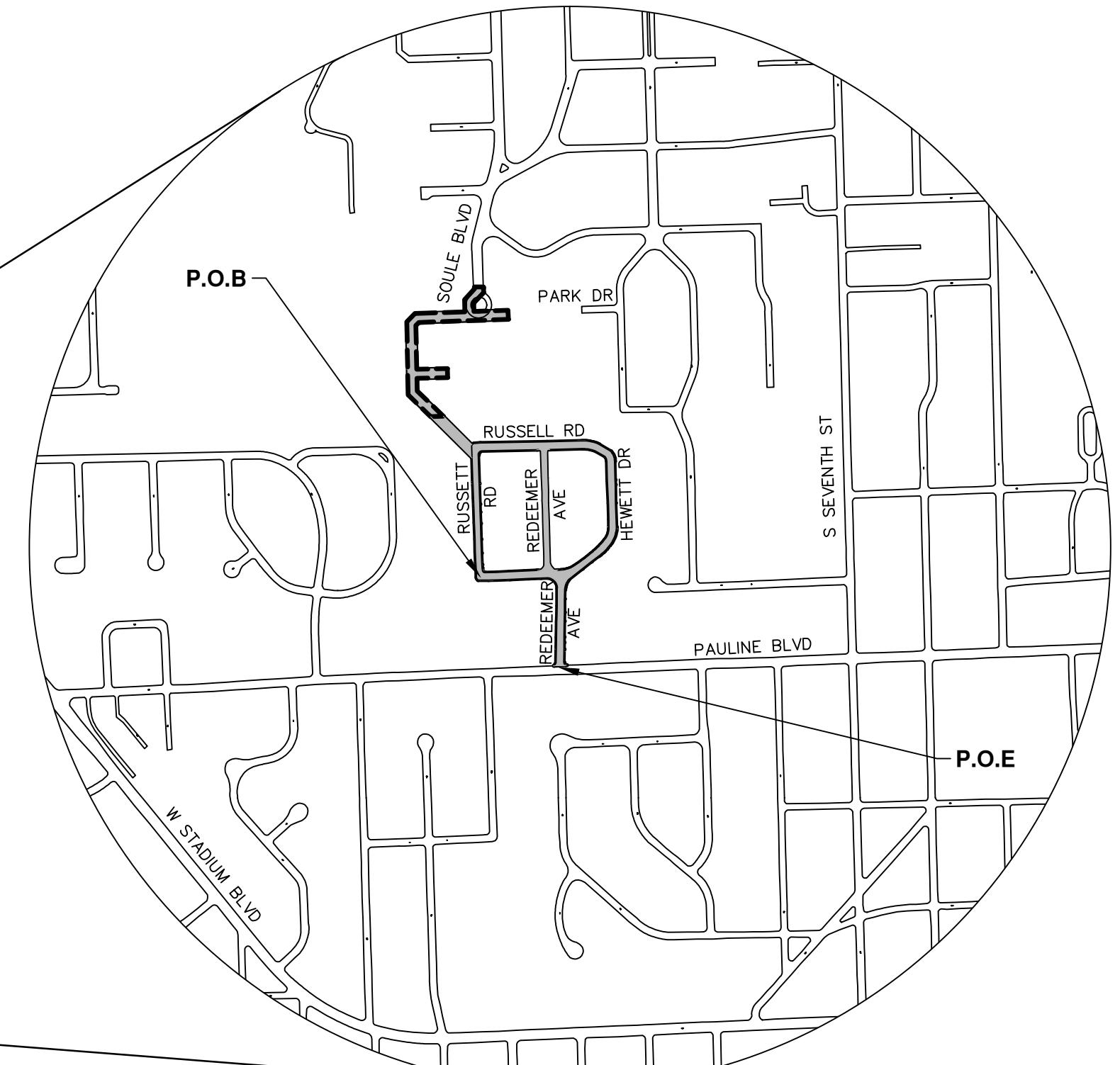
## HEWETT DR, RUSSELL RD, RUSSETT RD & REDEEMER AVE WATER MAIN REPLACEMENT

BID No. 4378, FILE No. 2013034

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	NOTES
3	LEGEND
4	ROAD SECTION AND TRENCH DETAIL
5	OVERALL UTILITY SHEET
6-9	REMOVALS
9-25	WATER MAIN PLAN & PROFILE
26-29	ROAD PLAN & PROFILE



VICINITY MAP



### PROJECT MANAGEMENT SERVICE UNIT

PREPARED UNDER THE SUPERVISION OF

DAVID ARTHUR DYKMAN, P.E. - MI LICENSE No. 52912  
PROJECT MANAGER

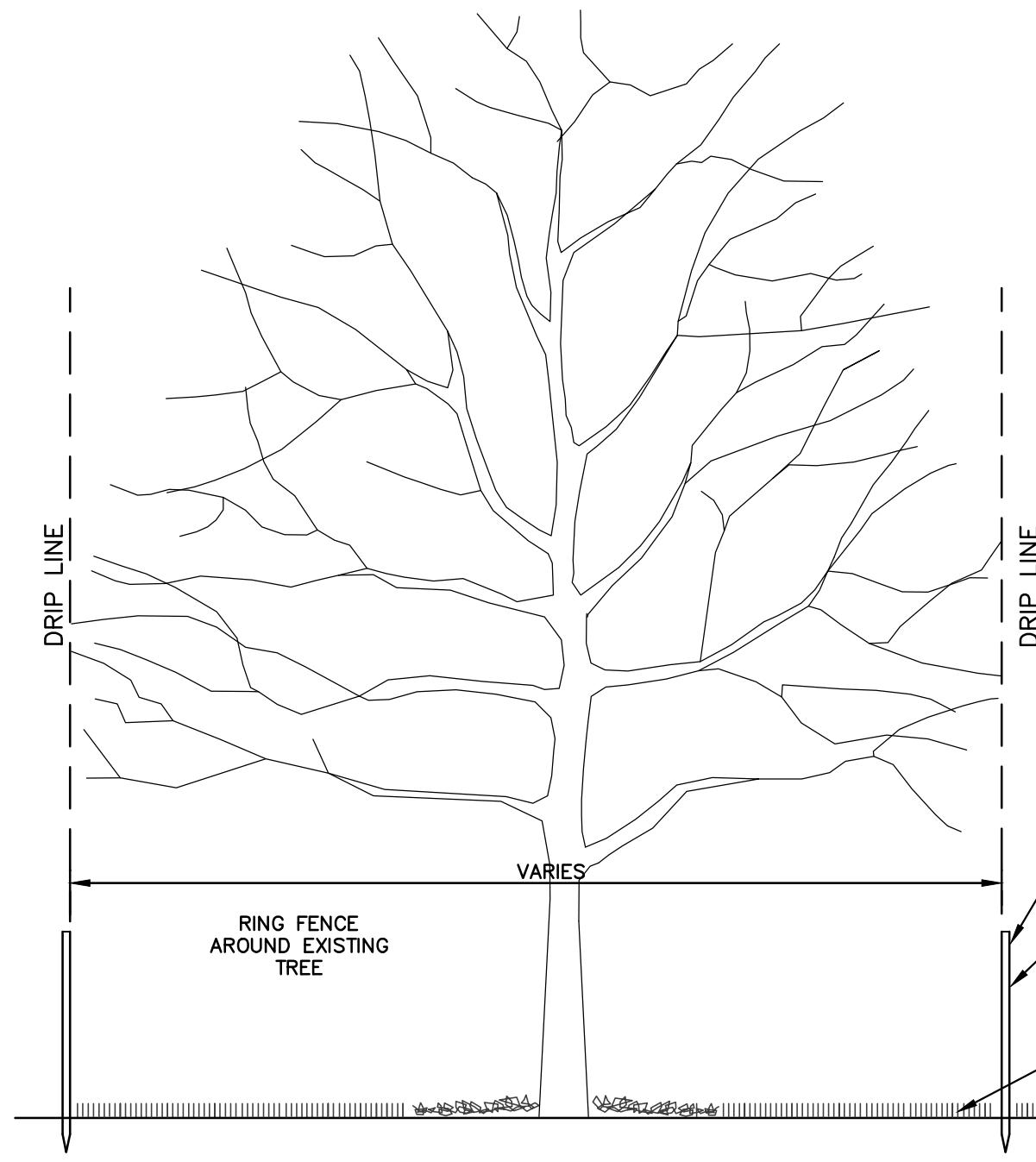
XX / XX / 2015  
DATE

PROJECT DESCRIPTION	PROJECT DESCRIPTION AND LIMITS
DRAWING No.	2013034 - 1
SHEET No.	
1 TO 30	

NOTES	811
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.	Know what's below. Call before you dig.
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.	
THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION (INCLUDING REFERENCED M.D.O.T. PUBLICATIONS) AND THIS PROJECT'S CONTRACT DOCUMENTS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT.	
02 POST MODEQ 2015 REVIEW	03/18/15
01 EBWHITE EXTENSION	02/26/15
00 MDEQ PERMIT REVIEW COMMENTS	07-22-14
REV.	DESCRIPTION
	DATE
	DRAWN
	CHECKED

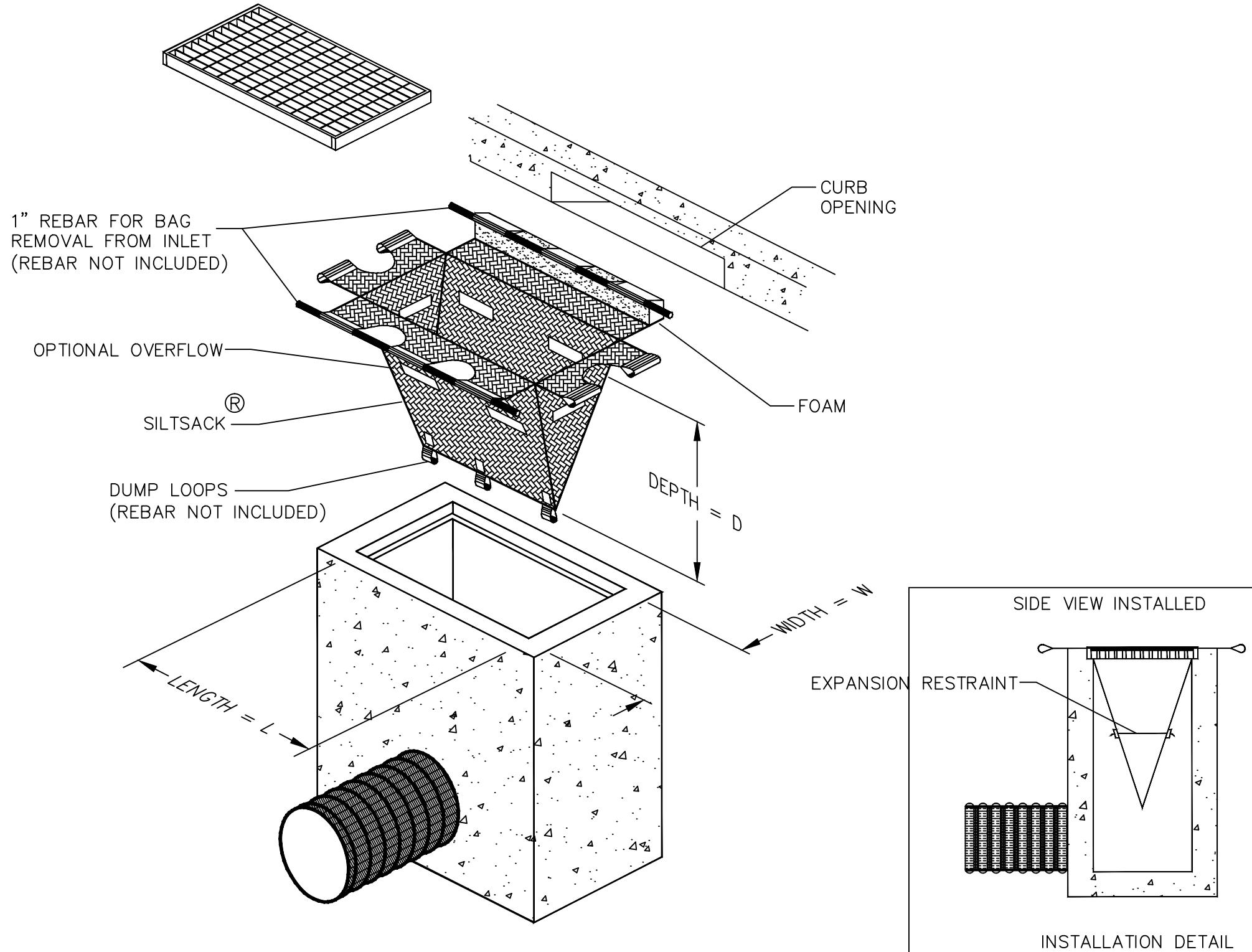






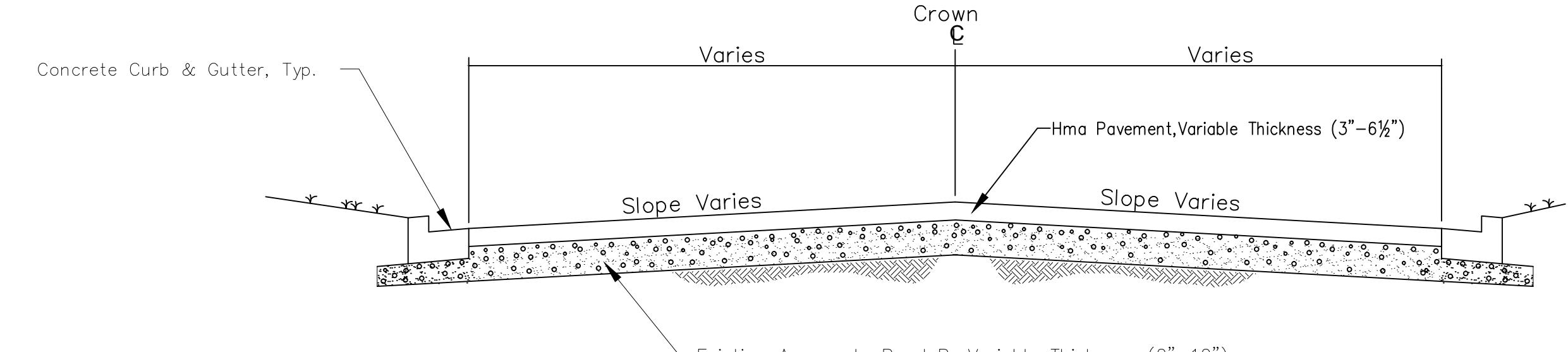
**TREE PROTECTION DETAIL**

RUSSELL, RUSSETT, REDEEMER, & HEWETT ROADS - HMA APPLICATION ESTIMATE					
HMA MIX	RATE OF APPLICATION	THICKNESS (INCHES)	AWI (MIN.)	BINDER	LOCATION/NOTES
LVSP	220 LB/SYD	2.0	260	PG 58-28	TOP COURSE
LVSP	220 LB/SYD	2.0		PG 58-28	LEVELING COURSE
Bond Coat SS-1h	0.05-015 GAL/SYD	-	-	-	INCLUDE IN COST OF HMA ITEM



**INLET FILTER (MODIFIED)**

NOT TO SCALE



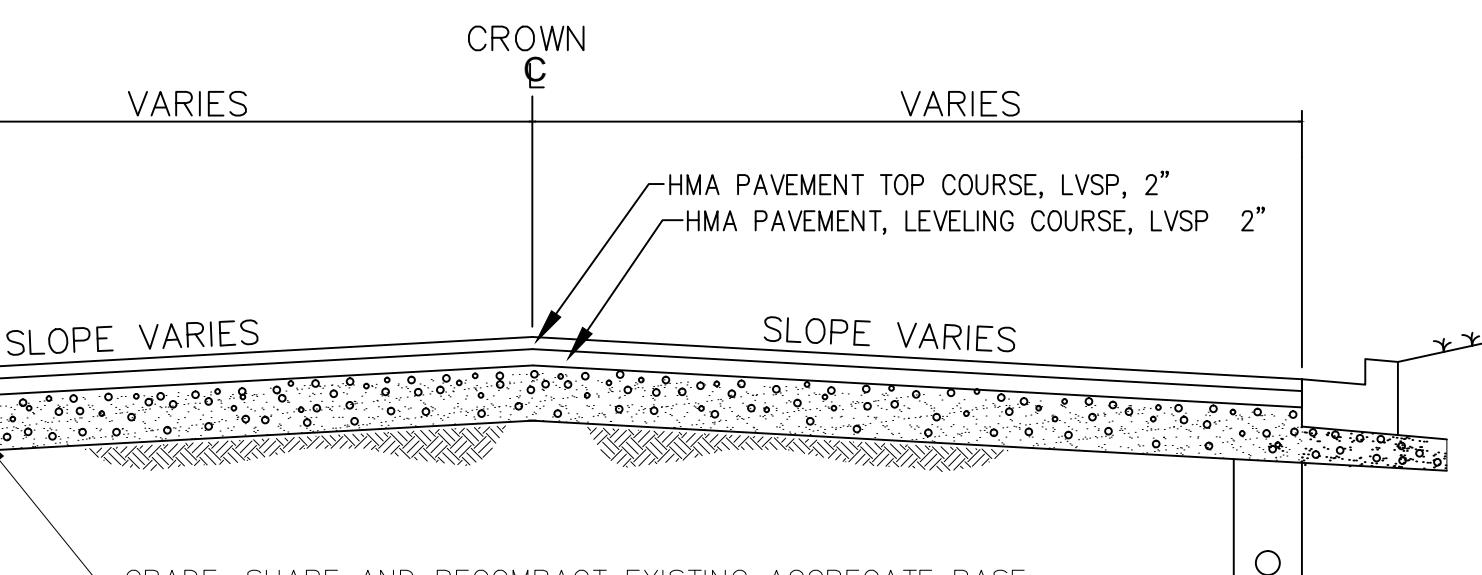
**Existing Typical Roadway Section**

Russell, Russett, Redeemer, Hewett

N.T.S.

REMOVE SEGMENTS OF EXISTING CURB & GUTTER AND REPLACE WITH CITY OF ANN ARBOR STANDARD BARRIER CURB & GUTTER, DETAIL SD-R-1. SEE PLANS FOR SPECIFIC LOCATIONS (TYP. LEFT AND RIGHT)

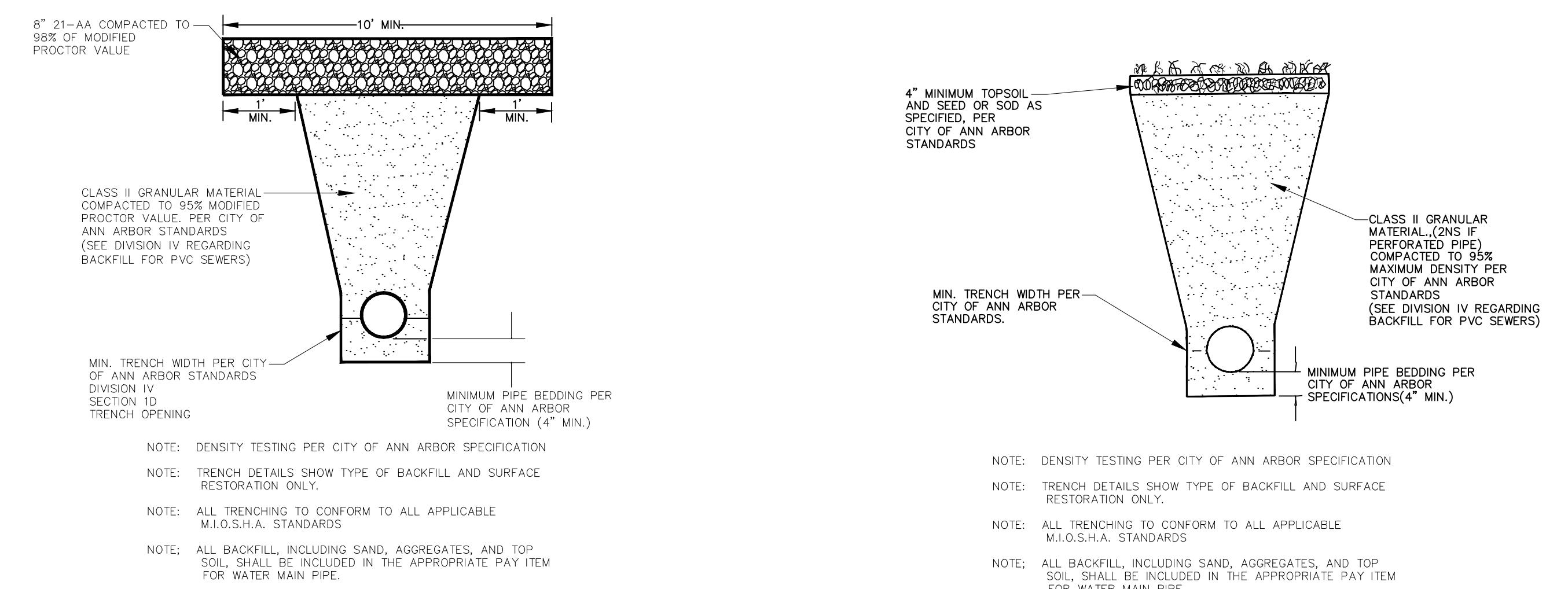
6" SUBBASE UNDERDRAIN  
CONSTRUCT PER CITY OF ANN ARBOR  
STANDARD DETAIL, SD-TD-10, TYP.



**PROPOSED TYPICAL ROADWAY SECTION**

Russell, Russett, Redeemer, Hewett

N.T.S.

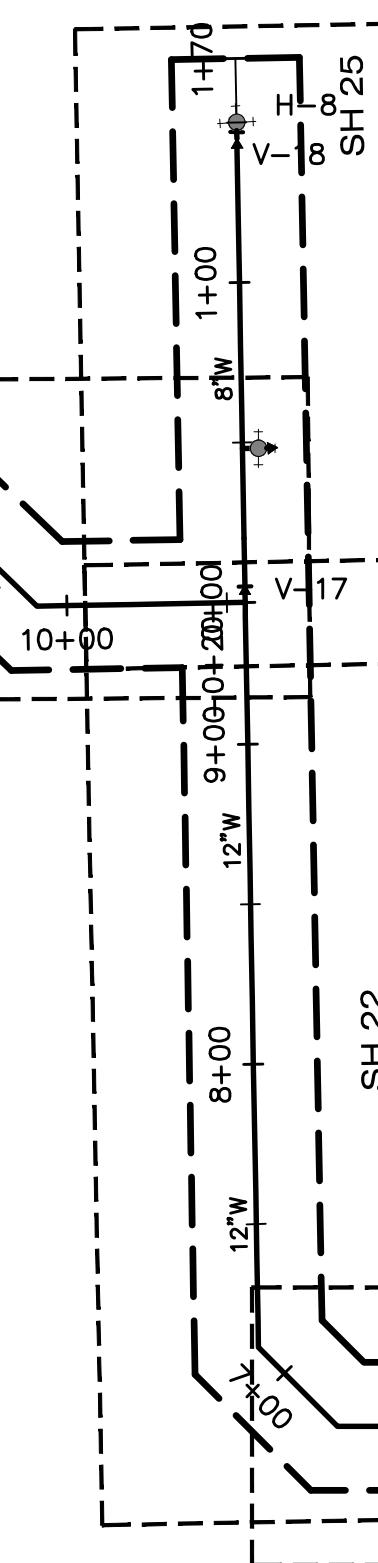


**UTILITY TRENCH - TYPE 1 MODIFIED**

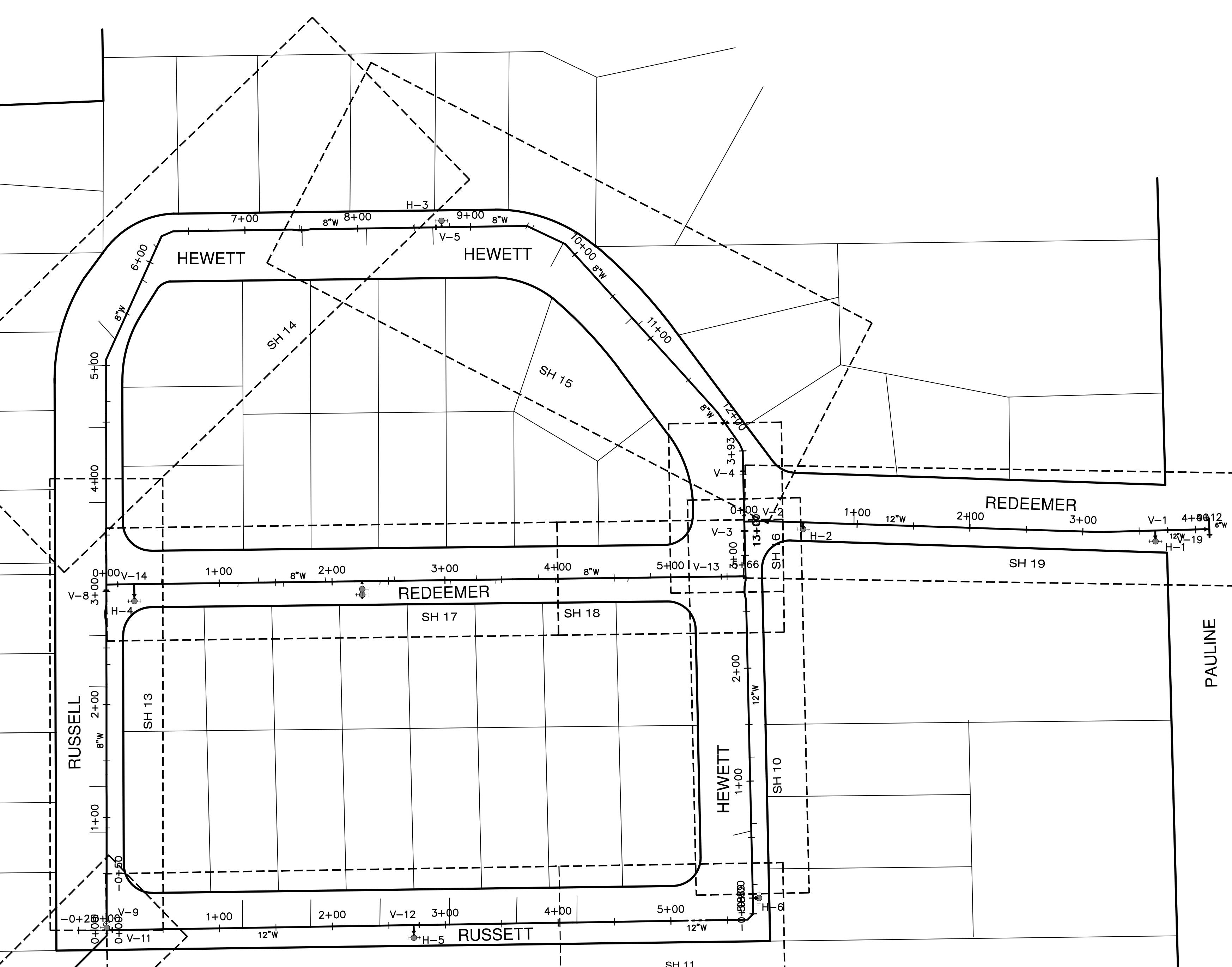
NOT TO SCALE

**UTILITY TRENCH - TYPE VI MODIFIED**

NOT TO SCALE



PARK DR

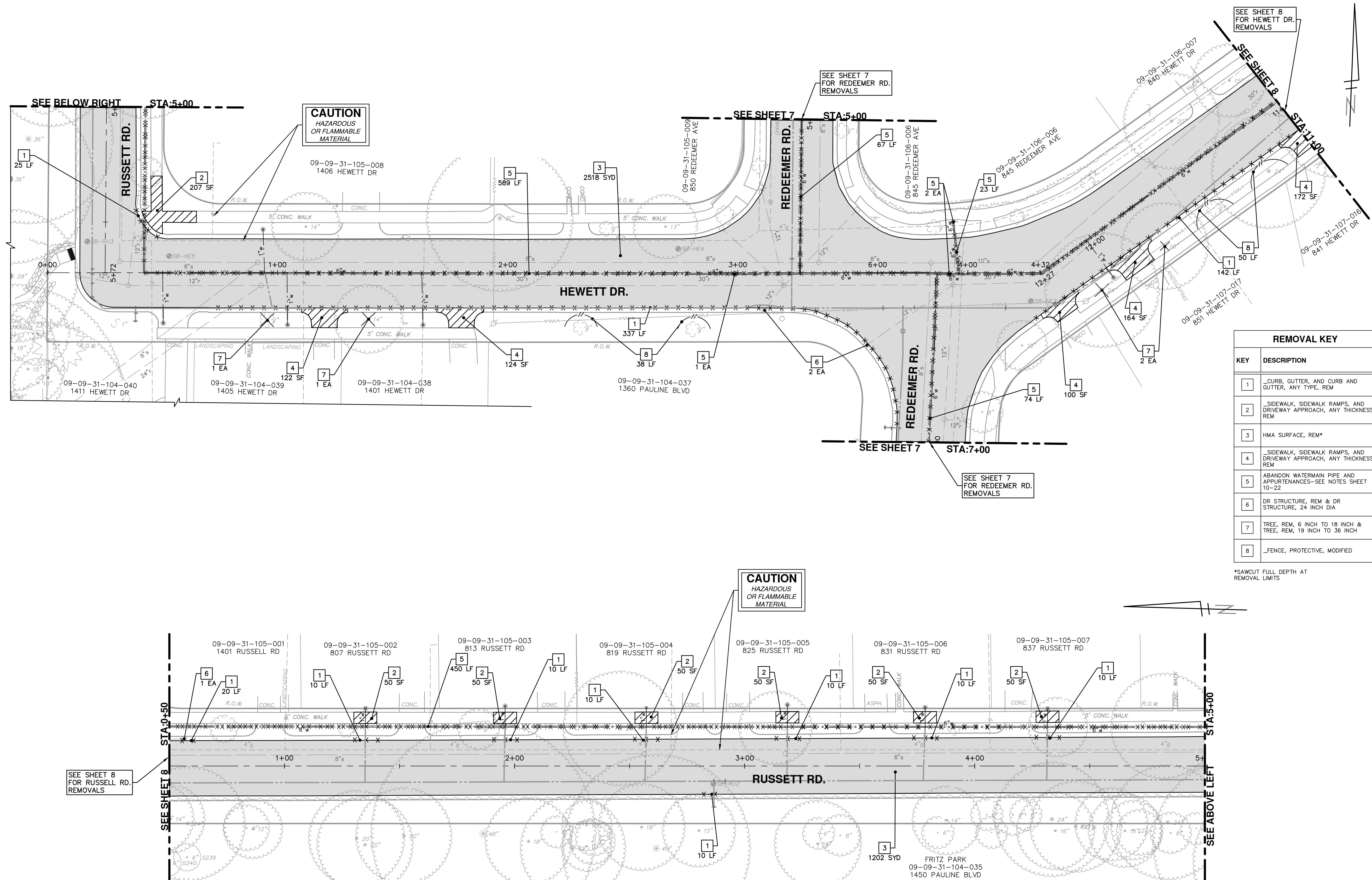


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	
SCALE PLAN #####	HEWETT DR, RUSSELL RD, RUSSETT RD & REDEEMER AVE WATER MAIN REPLACEMENT
DRAWING No.	OVERALL UTILITY SHEET
2013034-5	
SHEET No.	
5 OF 30	



811  
Know what's below.  
Call before you dig.

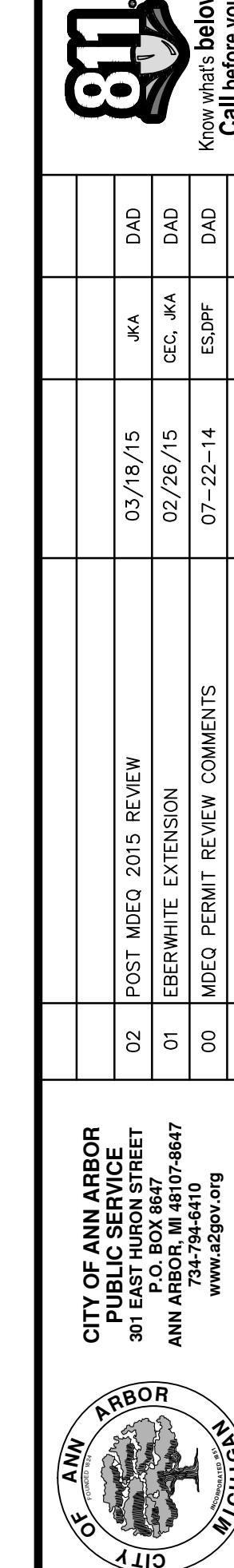
02 POST MODE 2015 REVIEW	03/18/15	JKA	DAD
01 EBERWHITE EXTENSION	02/26/15	CEC, JKA	DAD
00 MDG PERMIT REVIEW COMMENTS	07-22-14	ES.DPF	DAD
DESCRIPTION	DATE	DRAWN	CHECKED



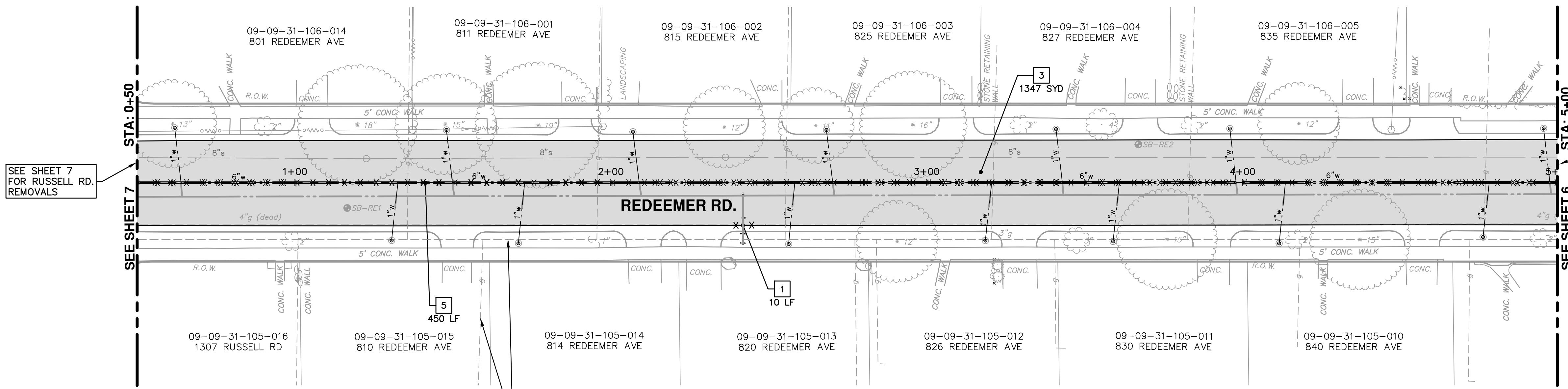
**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**HEWETT DR, RUSSETT RD, RUSSETT RD & REDEEMER AVE WATER MAIN REPLACEMENT**  
**REMOVALS**  
**HEWETT & RUSSETT**

SCALE PLAN: 1" = 20'  
 DRAWING No. 2013034-6  
 SHEET No.

6 OF 30

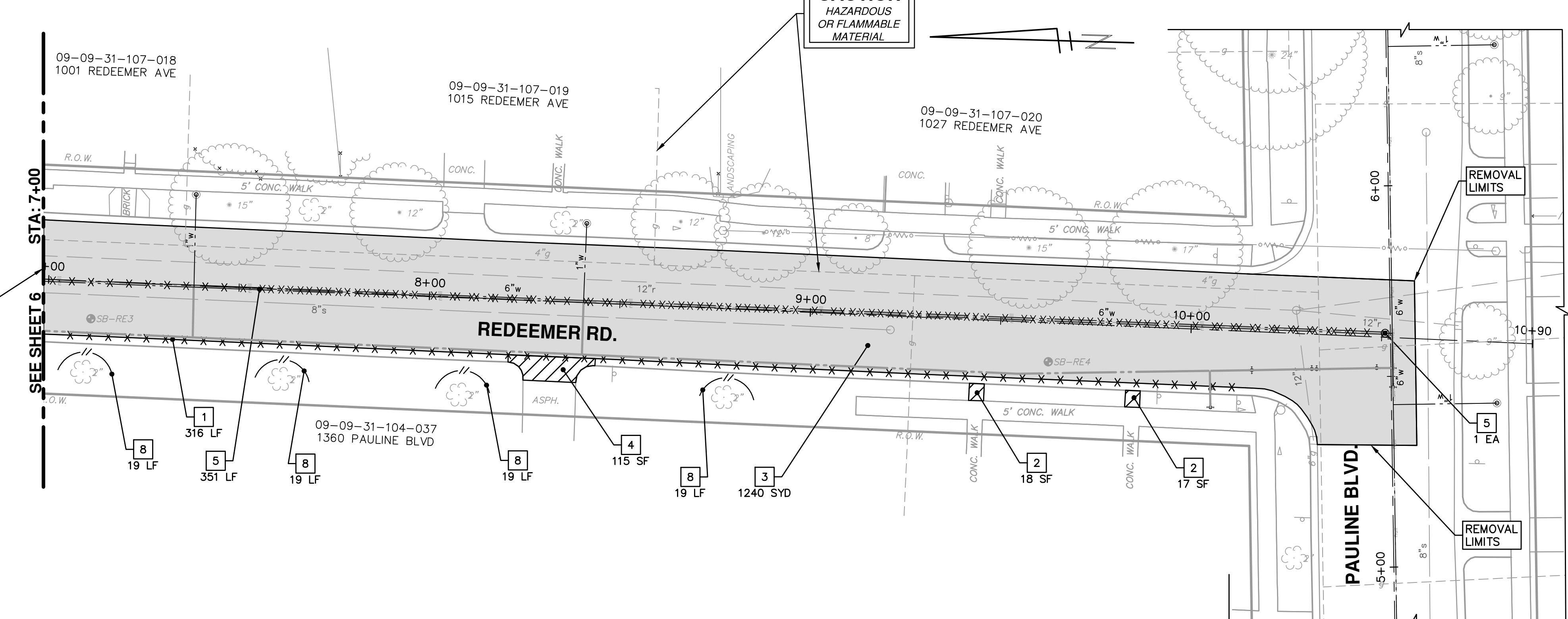


81.  
 Know what's below.  
 Call before you dig.



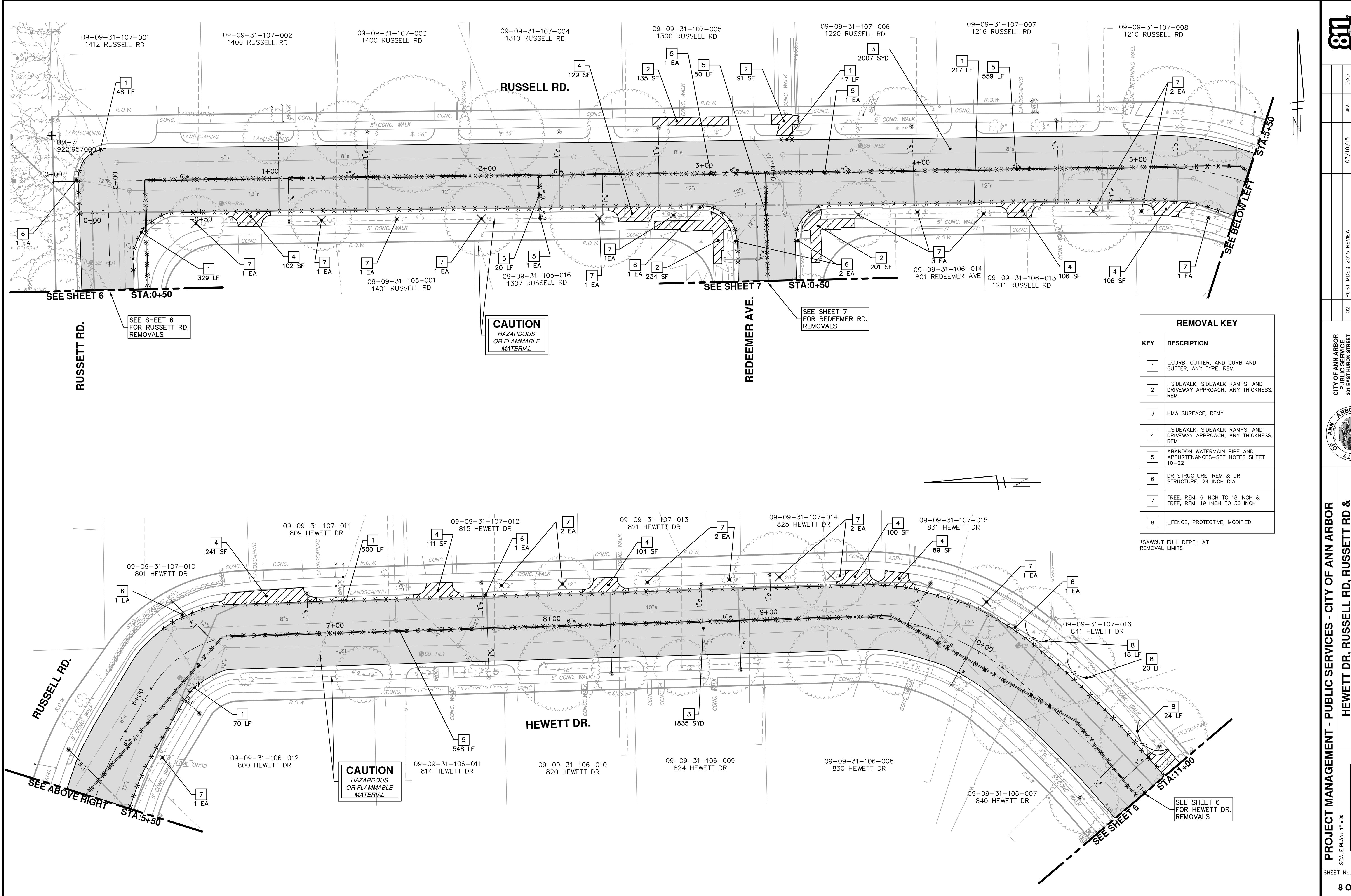
REMOVAL KEY	
KEY	DESCRIPTION
1	CURB, CUTTER, AND CURB AND GUTTER, ANY TYPE, REM
2	SIDEWALK, SIDEWALK RAMPS, AND DRIVEWAY APPROACH, ANY THICKNESS, REM
3	HMA SURFACE, REM*
4	SIDEWALK, SIDEWALK RAMPS, AND DRIVEWAY APPROACH, ANY THICKNESS, REM
5	ABANDON WATERMAIN PIPE AND APPURTENANCES-SEE NOTES SHEET 10-22
6	DR STRUCTURE, REM & DR STRUCTURE, 24 INCH DIA
7	TREE, REM, 6 INCH TO 18 INCH & TREE, REM, 19 INCH TO 36 INCH
8	FENCE, PROTECTIVE, MODIFIED

\*SAWCUT FULL DEPTH AT REMOVAL LIMITS



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	
HEWETT DR, RUSSELL RD, PAULINE BLVD & REDEEMER AVE WATER MAIN REPLACEMENT	
SCALE PLAN 1" = 20'	
DRAWING No.	2013034-7
SHET No.	





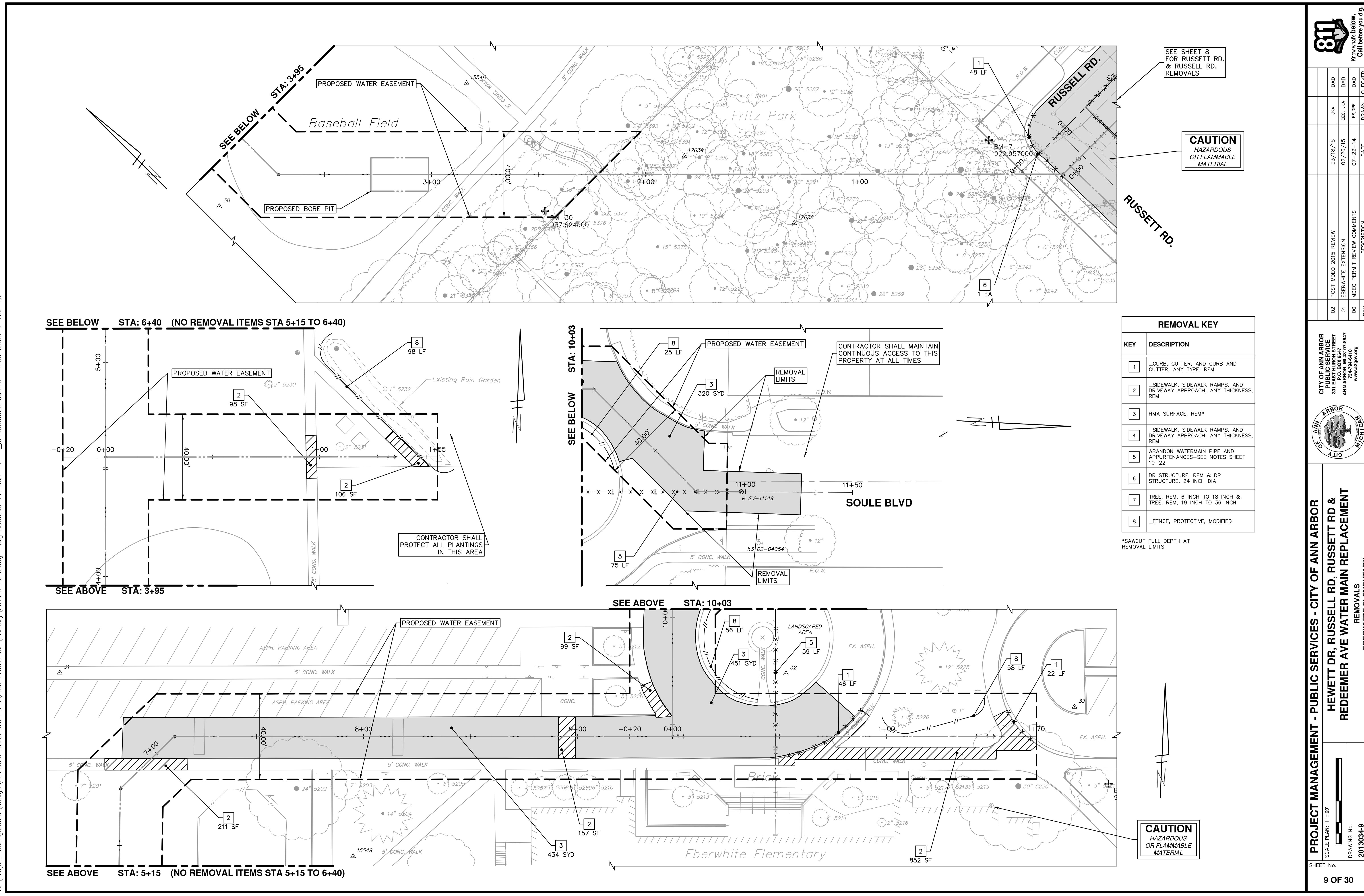
Know what's below.  
Call before you dig.

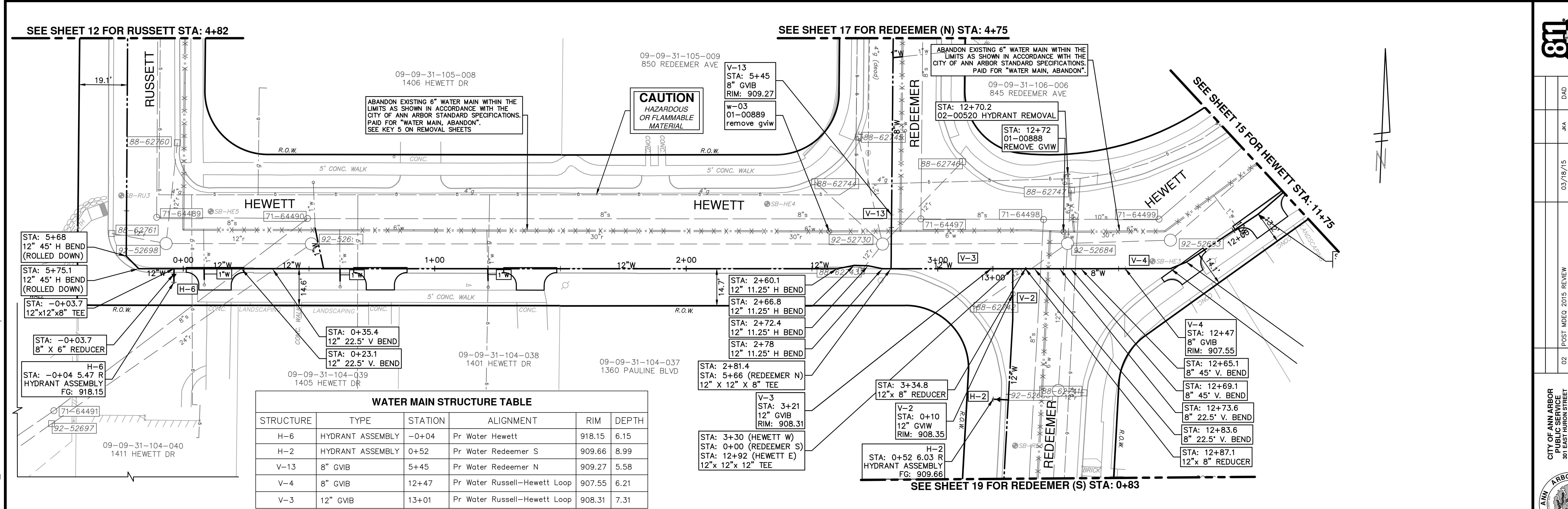
02	POST MODEQ 2015 REVIEW	03/18/15	JKA	DAD
01	EBERWHITE EXTENSION	02/26/15	CEC, JKA	DAD
00	MDE PERMIT REVIEW COMMENTS	07-22-14	ES-DPF	DAD
	DESCRIPTION	DATE	DRAWN	CHECKED



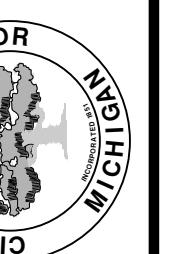
CITY OF ANN ARBOR  
 PUBLIC SERVICE  
 301 EAST FUBON STREET  
 ANN ARBOR MI 48105-3647  
 734-765-5110  
 www.2spov.org

REV.



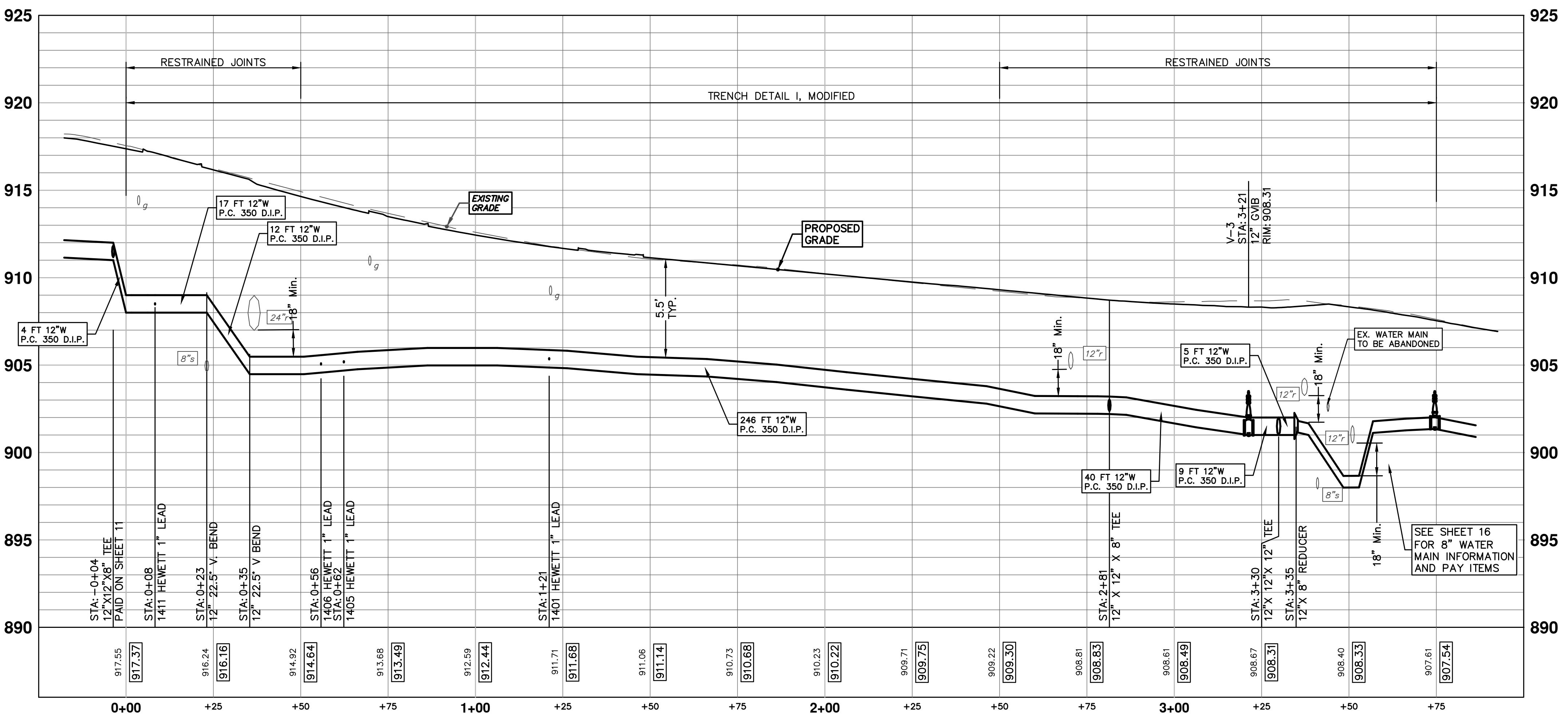


CITY OF ANN ARBOR  
PUBLIC SERVICE  
30 EAST FIFTH STREET  
ANN ARBOR MI 48103-3647  
www.a2gov.org

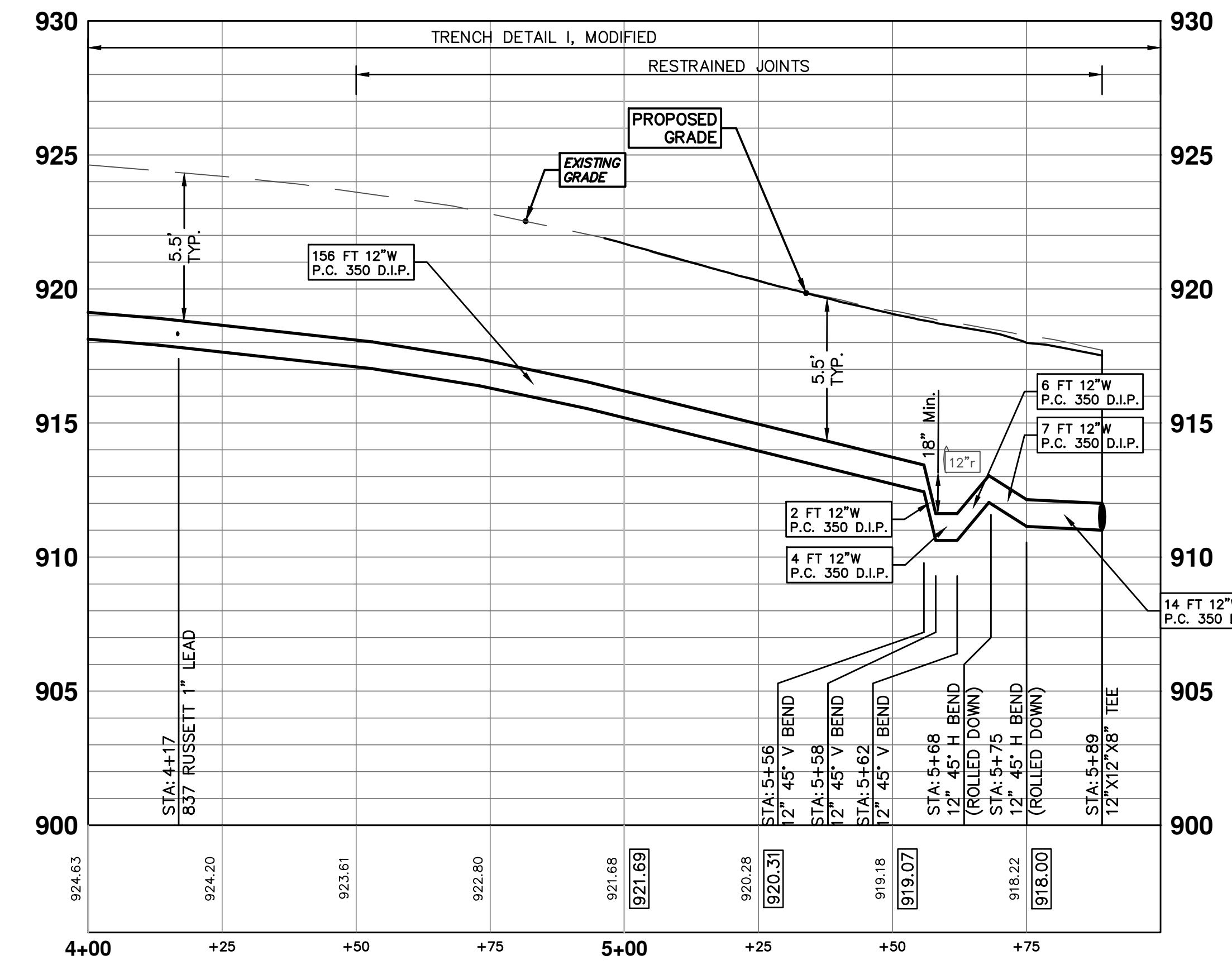
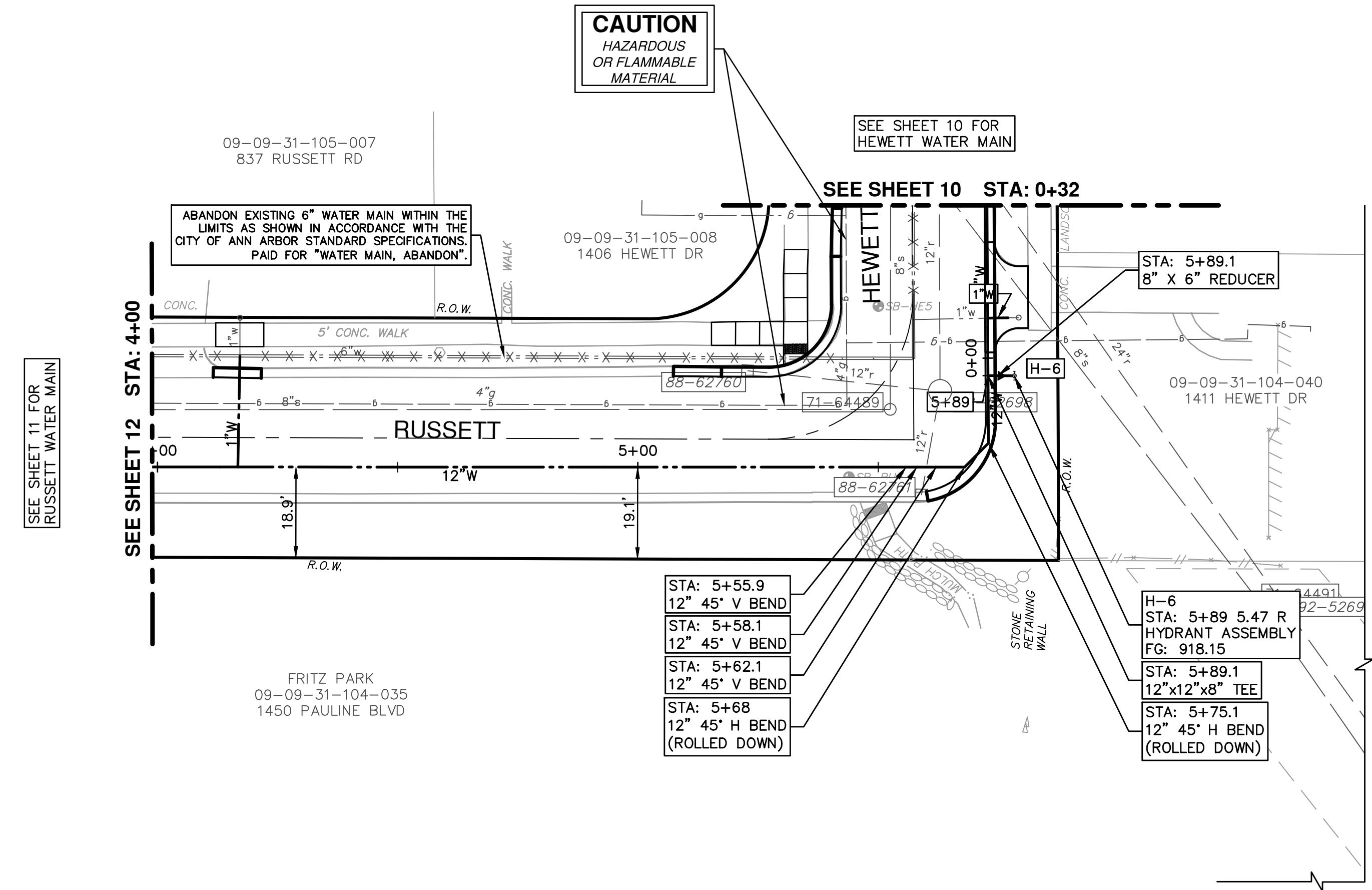


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
HEWETT DR, RUSSETT RD &  
REDEEMER AVE WATER MAIN REPLACEMENT  
WATER MAIN PLAN & PROFILE  
HEWETT STA 0+00 TO 3+35

SCALE PLAN 1" = 20'  
PROFILE 1" = 4'  
DRAWING No.  
2013034-10  
SHEET No.

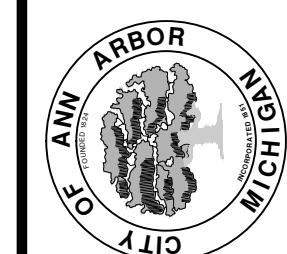


STRUCTURE	TYPE	STATION	RIM	DEPTH
w-03	01-00889 REMOVE GVIB	2+57	909.65	7.60
h-2	02-00520 HYDRANT REMOVAL	12+70	908.65	8.40
w-02	01-00888 REMOVE GVIB	12+72	908.17	8.38



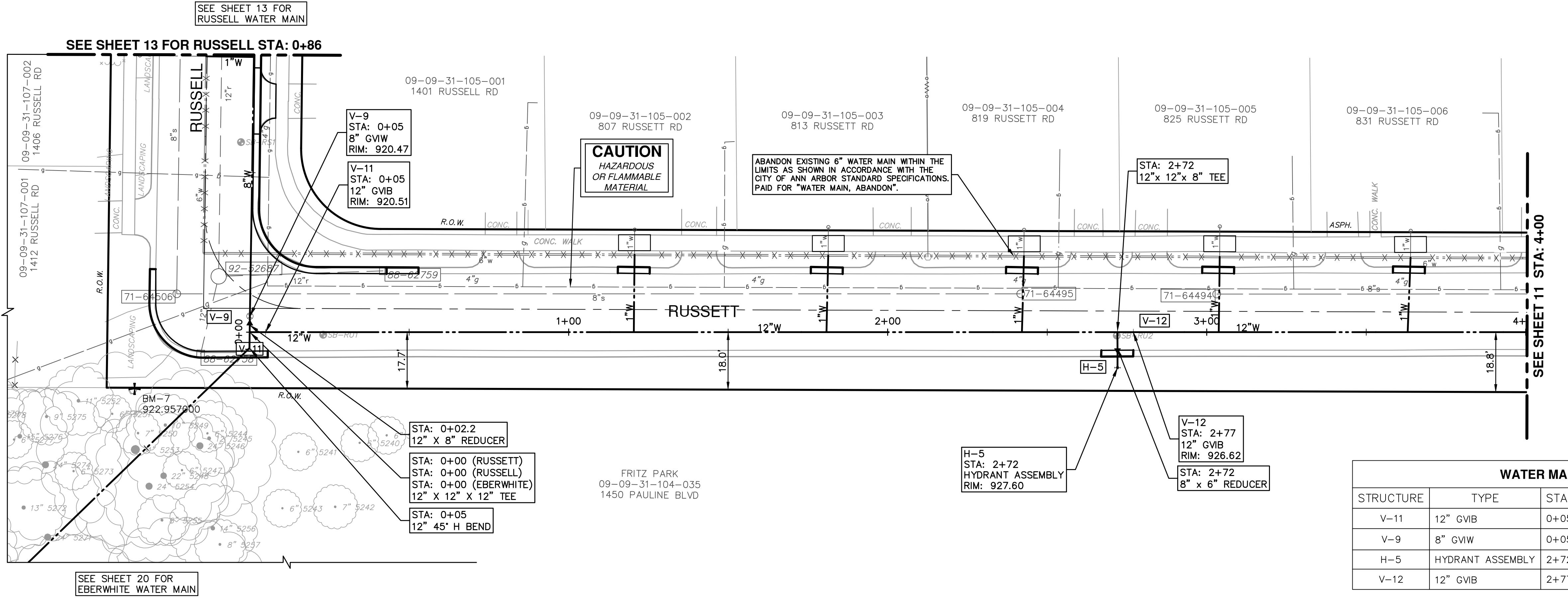
**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**HEWETT DR, RUSSETT RD & REDEEMER AVE WATER MAIN REPLACEMENT**  
**WATER MAIN PLAN & PROFILE**  
**RUSSETT STA 4+00 TO 5+89**

SCALE PLAN 1" = 20'  
 PROFILE 1" = 4'  
 DRAWING No. 2013034-11  
 SHEET No. 11 OF 30



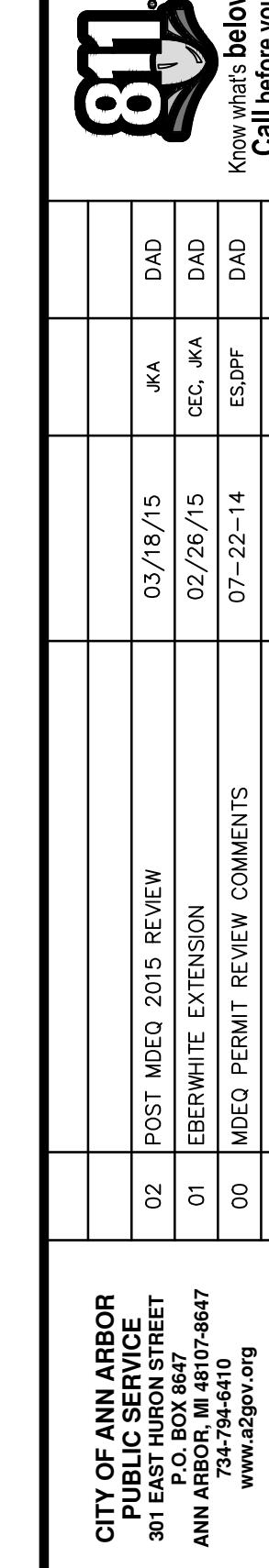
**811.**  
 Know what's below.  
 Call before you dig.

02	POST MODE 2015 REVIEW	03/18/15	JKA	DAD
01	EBERWHITE EXTENSION	02/26/15	CEC, JKA	DAD
00	NDEO PERMIT REVIEW COMMENTS	07-22-14	ES:DPF	DAD
	DESCRIPTION	DATE	DRAWN	CHECKED
	REV.			

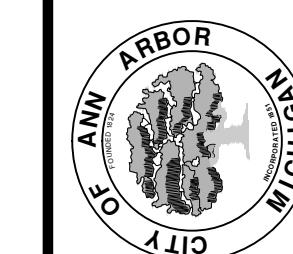
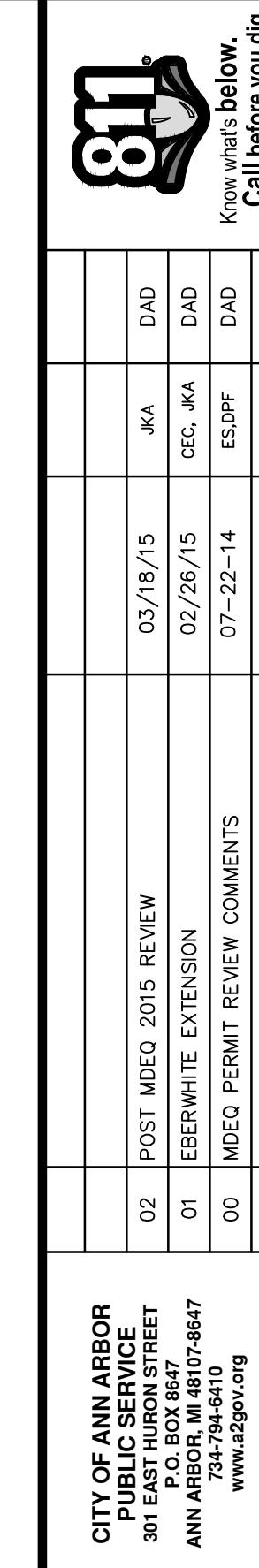


**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
HEWETT DR, RUSSELL RD, RUSSETT RD &  
REDEEMER AVE WATER MAIN REPLACEMENT

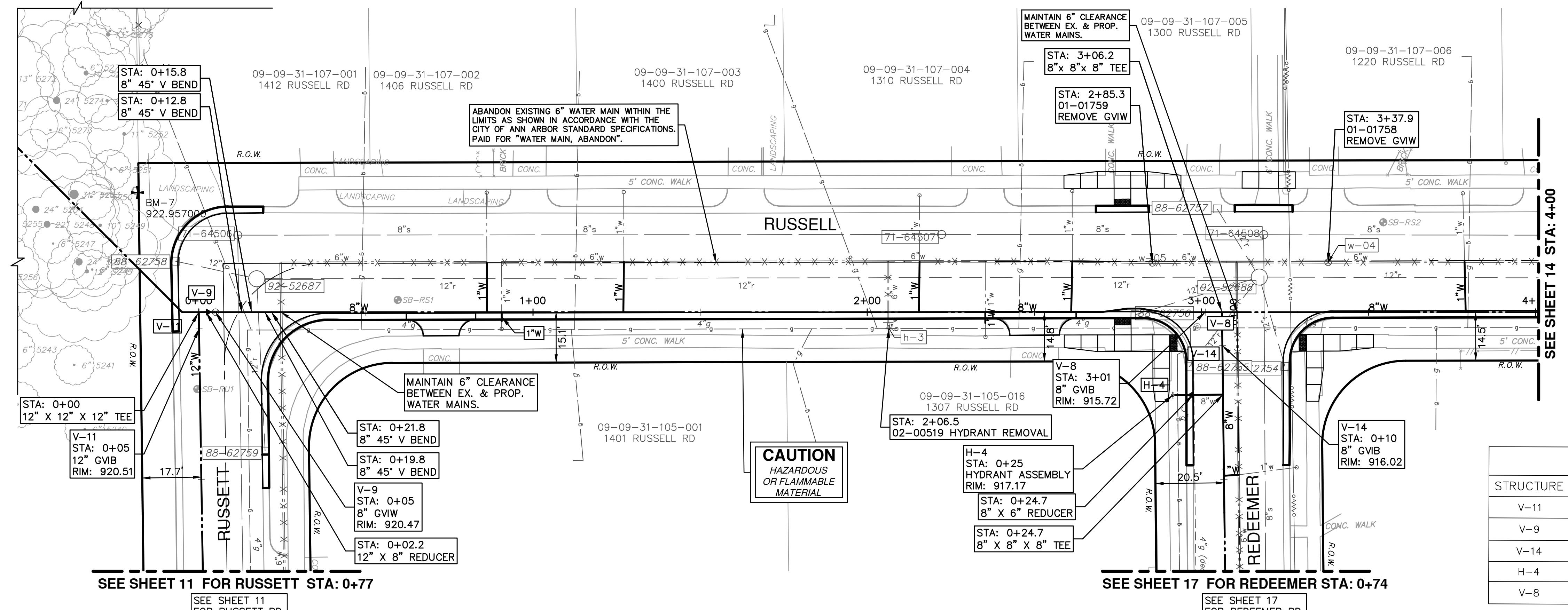
WATER MAIN PLAN & PROFILE  
RUSSETT STA 0+00 TO 4+00



SCALE PLAN 1" = 20'	PROFILE 1" = 4'	02 POST MODEQ 2015 REVIEW	03/18/15	JKA	DAD
DRAWING No.	2013034-12	01 EBERWHITE EXTENSION	02/26/15	CEC, JKA	DAD
		00 MDQ PERMIT REVIEW COMMENTS	07-22-14	ES:DPF	DAD
		www.a2gov.org	DESCRIPTION	DATE	DRAWN CHECKED
REV.					



12 OF 30



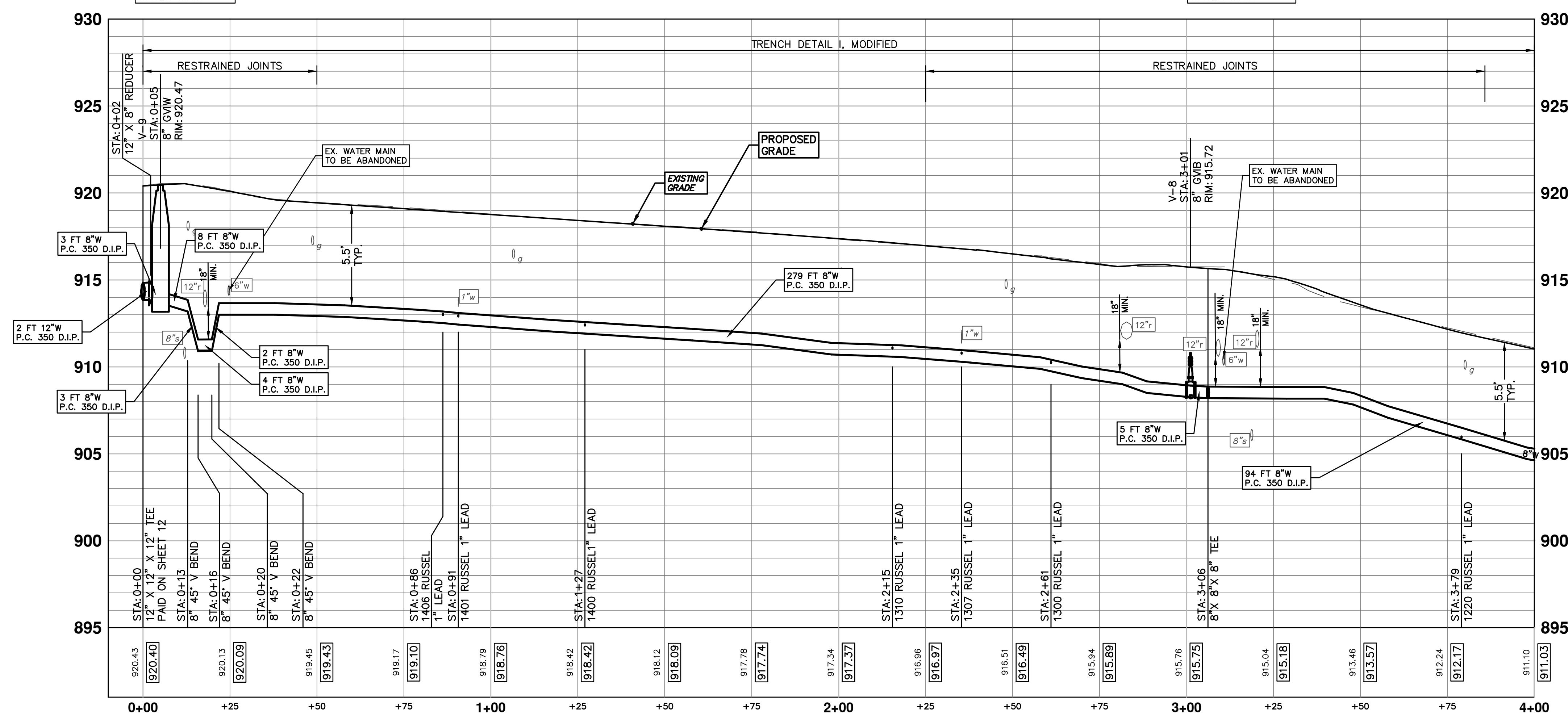
SEE SHEET 14 FOR  
RUSSELL RD./HEWETT  
RD. WATER MAIN

WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	ALIGNMENT	RIM DEPTH
V-11	12" GVIB	0+05	Pr Water Russett	920.51 6.46
V-9	8" GVIW	0+05	Pr Water Russell-Hewett Loop	920.47 6.80
V-14	8" GVIB	0+10	Pr Water Redeemer N	916.02 7.02
H-4	HYDRANT ASSEMBLY	0+25	Pr Water Redeemer N	917.17 8.65
V-8	8" GVIB	3+01	Pr Water Russell-Hewett Loop	915.72 7.47

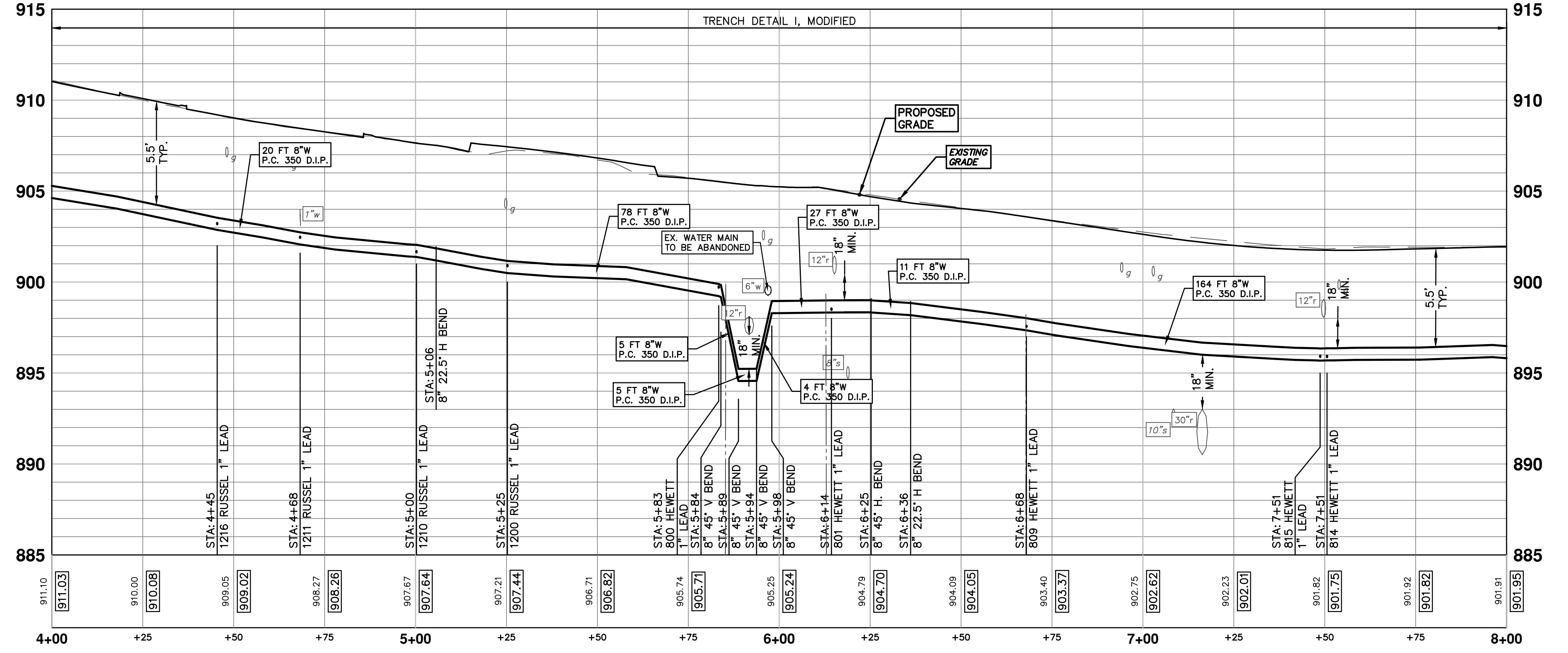
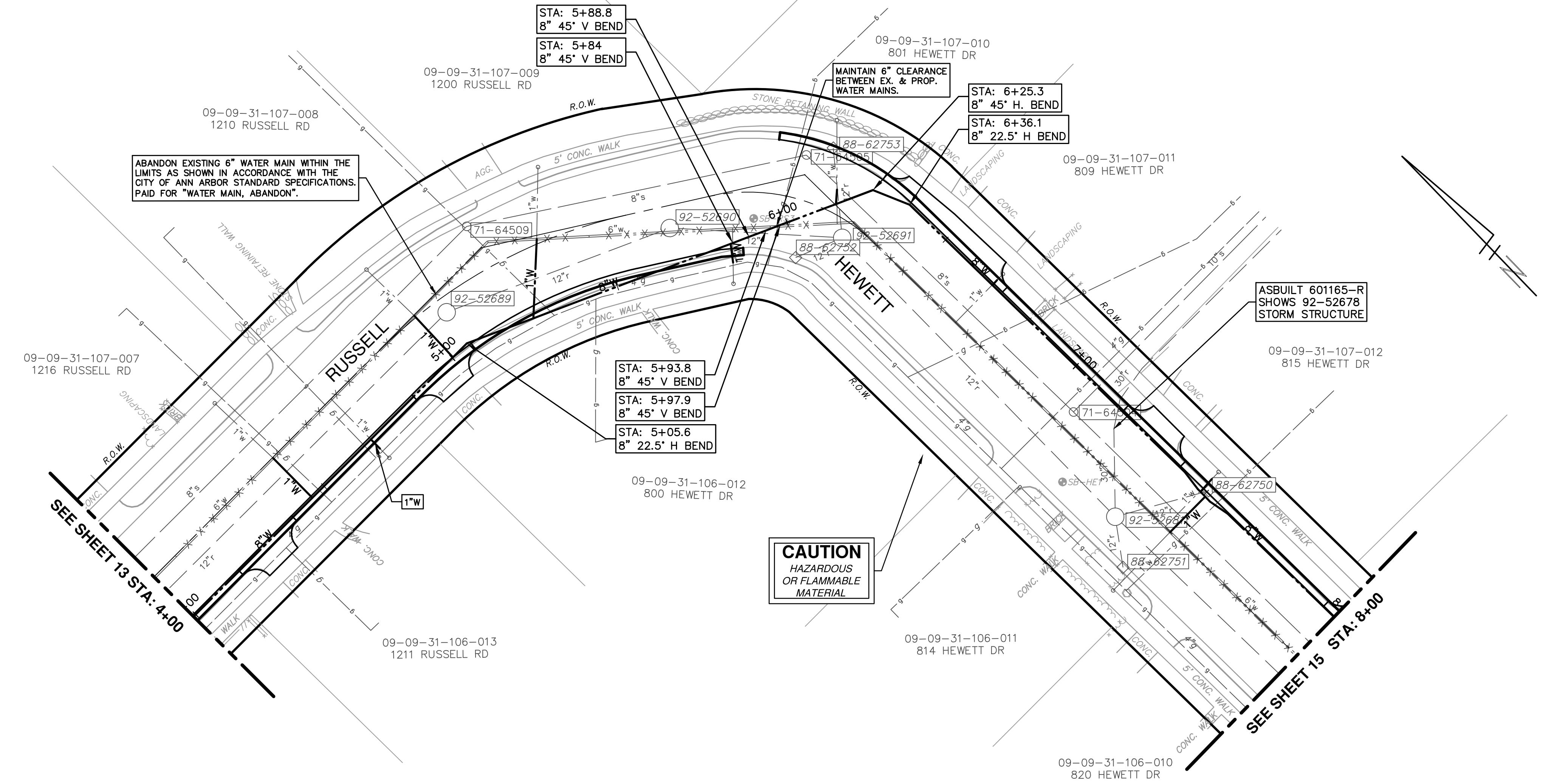
81.	Know what's below. Call before you dig.
02 POST MODEQ 2015 REVIEW	03/18/15 JKA DAD
01 EBWHITE EXTENSION	02/26/15 CEC MKA DAD
00 MDG PERMIT REVIEW COMMENTS	02/22/14 ES-DPF DAD
DESCRIPTION	DATE DRAWN CHECKED
REV.	REVIEW

CITY OF ANN ARBOR  
PUBLIC SERVICE  
301 EAST JEFFERSON  
ANN ARBOR MI 48105-3647  
www.a2gov.org

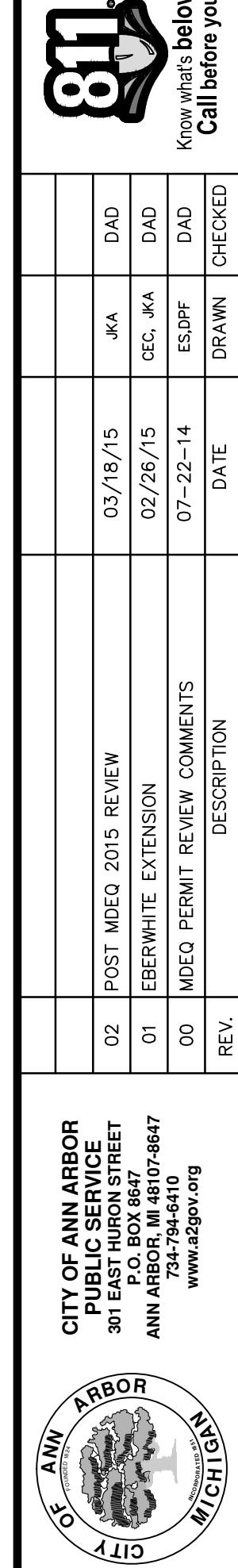
City of Ann Arbor  
Michigan

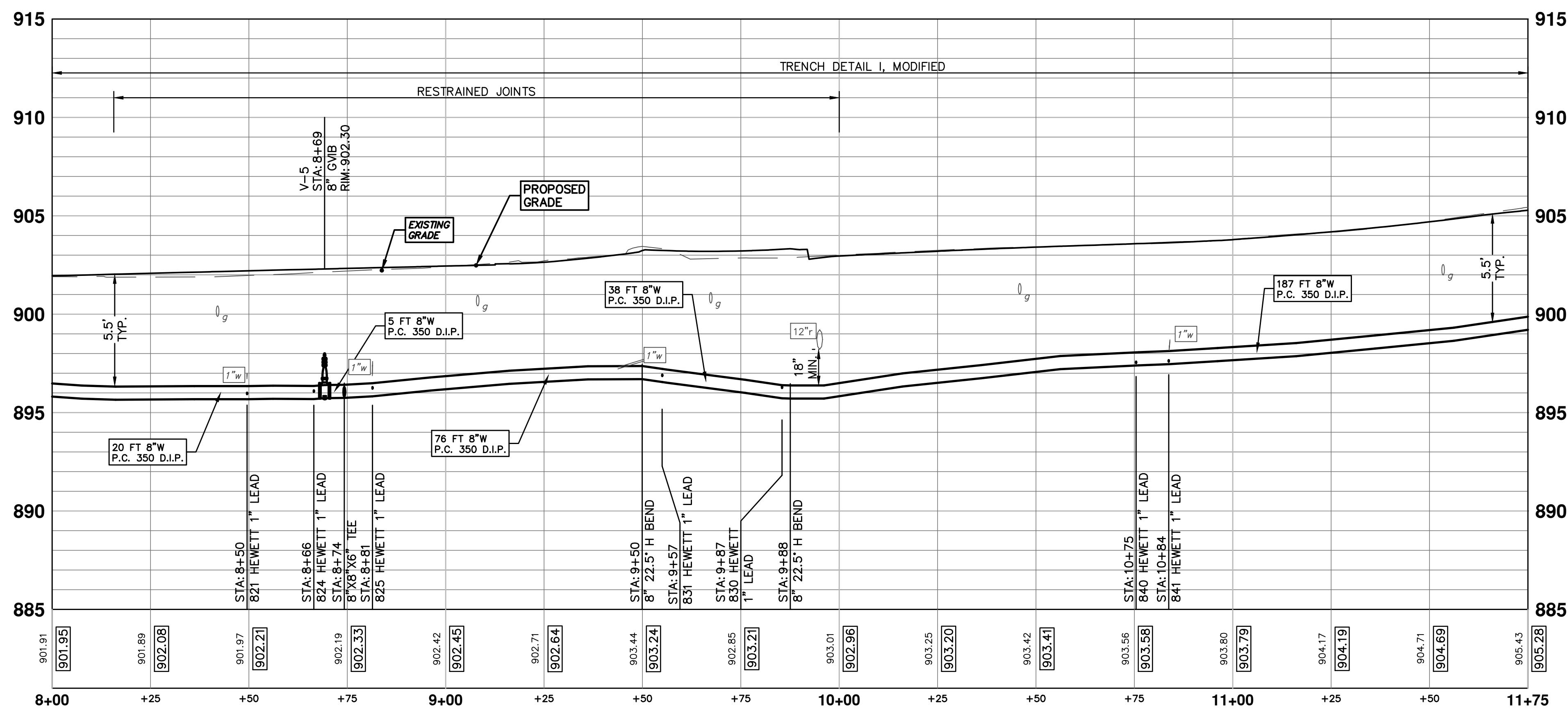
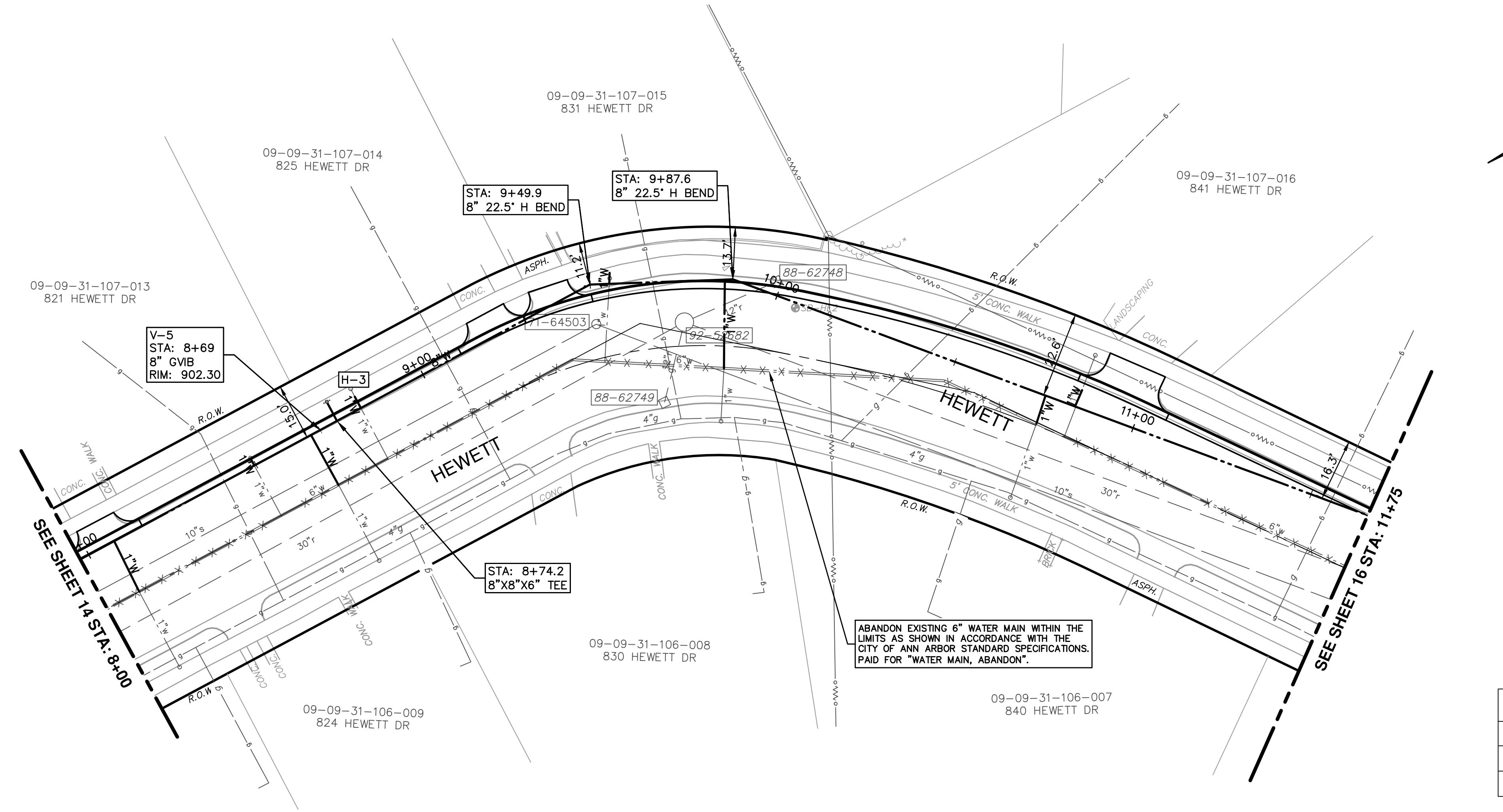


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	HEWETT DR, RUSSELL RD, RUSSETT RD & REDEEMER AVE WATER MAIN REPLACEMENT
SCALE PLAN 1" = 20'	WATER MAIN PLAN & PROFILE
DRAWING No.	RUSSELL - HEWETT LOOP STA 0-00 TO 4+00
2013034-13	
Sheet No.	



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		HEWETT DR, RUSSELL RD, RUSETT RD & REDEEMER AVE WATER MAIN REPLACEMENT	
SCALE PLAN 1" = 20'		WATER MAIN PLAN & PROFILE	
SHEET No.	DRAWING No.		
14 OF 30	2013034-14		



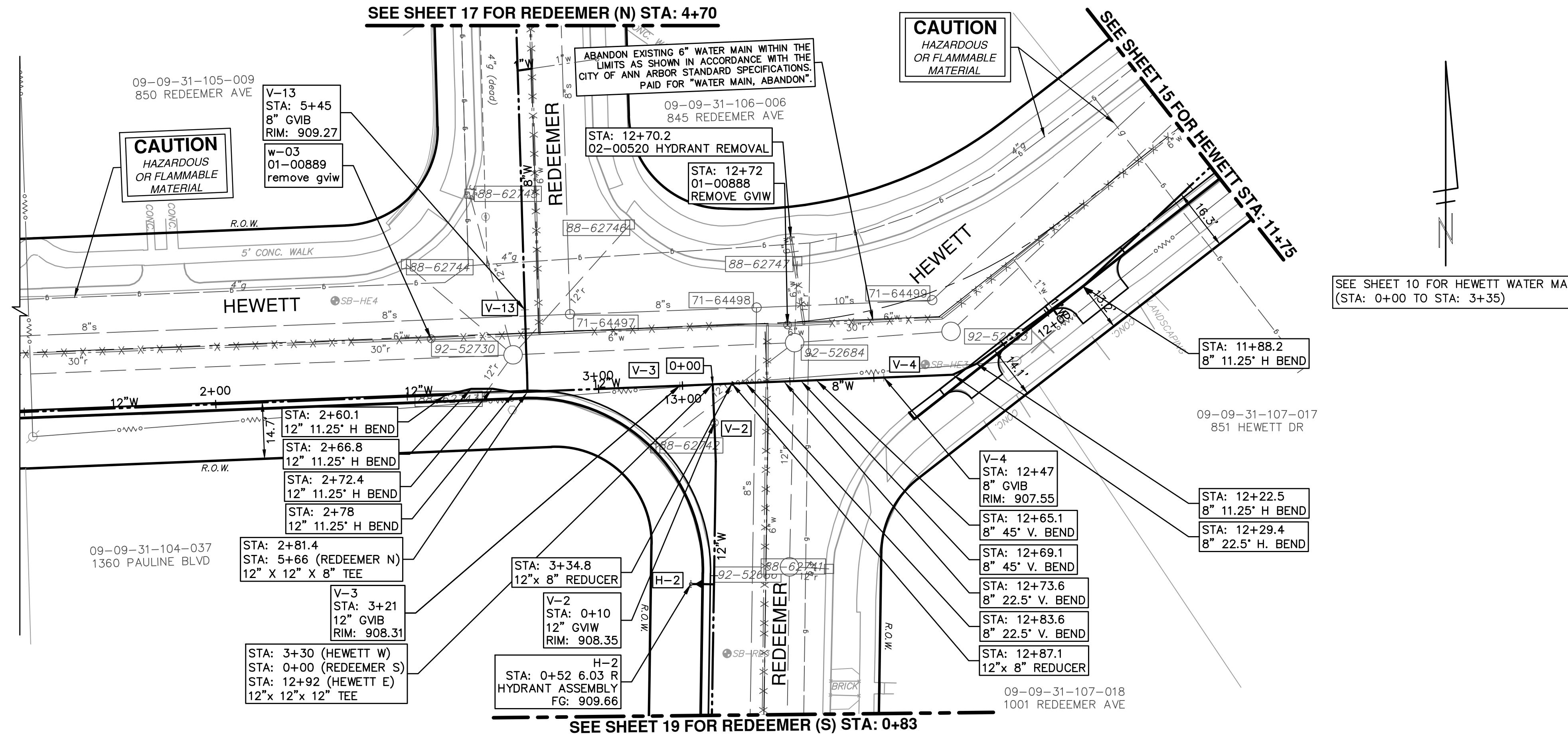


WATER MAIN STRUCTURE TABLE					
STRUCTURE	TYPE	STATION	ALIGNMENT	RIM	DEPTH
V-5	8" GVIB	8+69	Pr Water Russell-Hewett Loop	902.30	6.57
H-3	HYDRANT ASSEMBLY	8+74	Pr Water Russell-Hewett Loop	902.99	9.18

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 DRAWING No. 2013034-15  
 SHEET No. 15 OF 30  
 SCALE PLAN 1" = 20'  
 PROFILE 1" = 4'  
 HEWETT DR, RUSSETT RD, RUSSETT RD &  
 REDEEMER AVE WATER MAIN REPLACEMENT  
 WATER MAIN PLAN & PROFILE  
 RUSSELL - HEWETT LOOP STA 8+00 TO 11+75



81.  
 Know what's below.  
 Call before you dig.  
 CITY OF ANN ARBOR  
 PUBLIC SERVICE  
 301 EAST FUBBS STREET  
 ANN ARBOR MI 48107-3647  
 www.811gov.org  
 02 POST MODE 2015 REVIEW  
 01 EBERWHITE EXTENSION  
 00 MDQ PERMIT REVIEW COMMENTS  
 07-22-14  
 DESCRIPTION  
 REV.

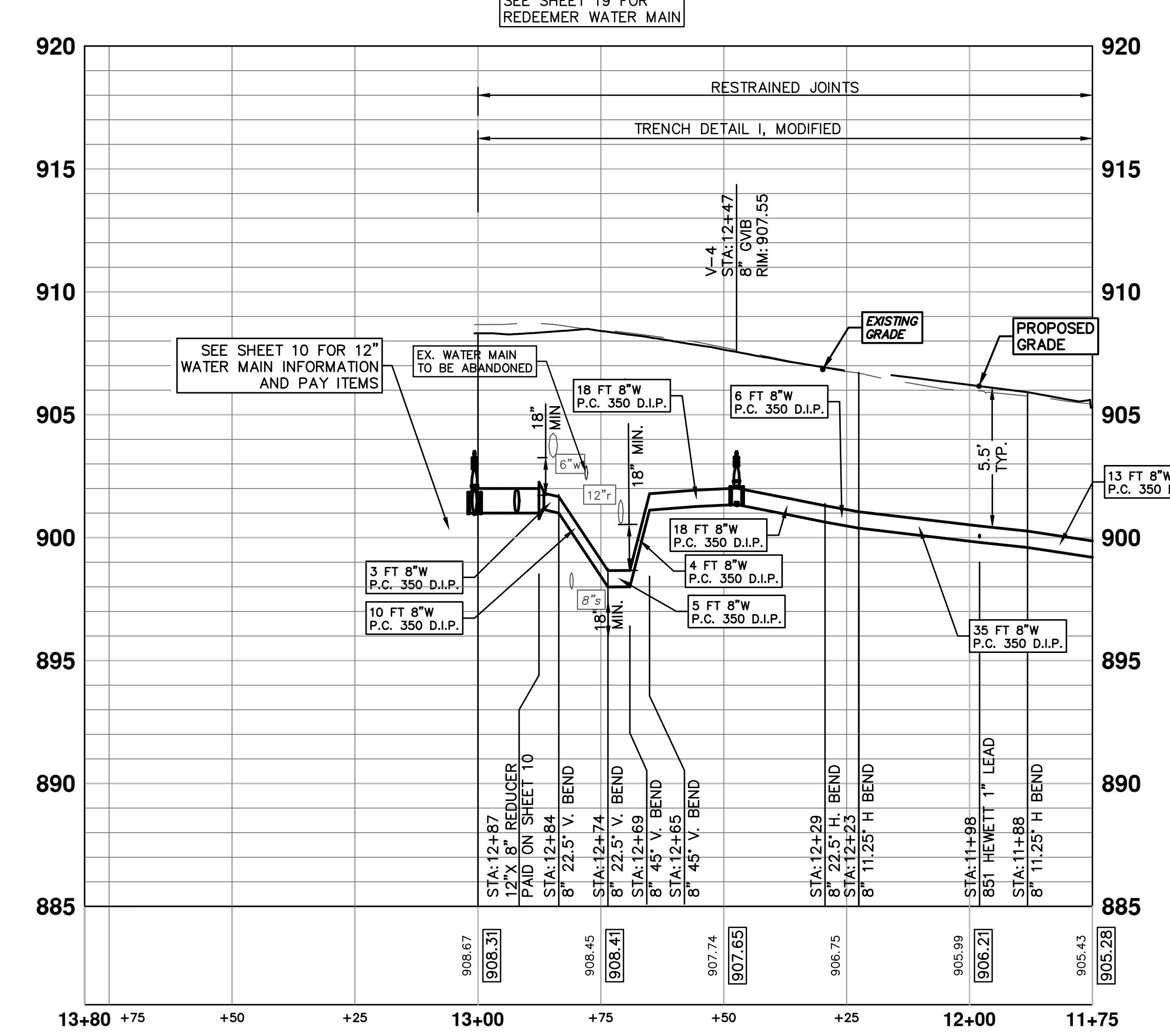


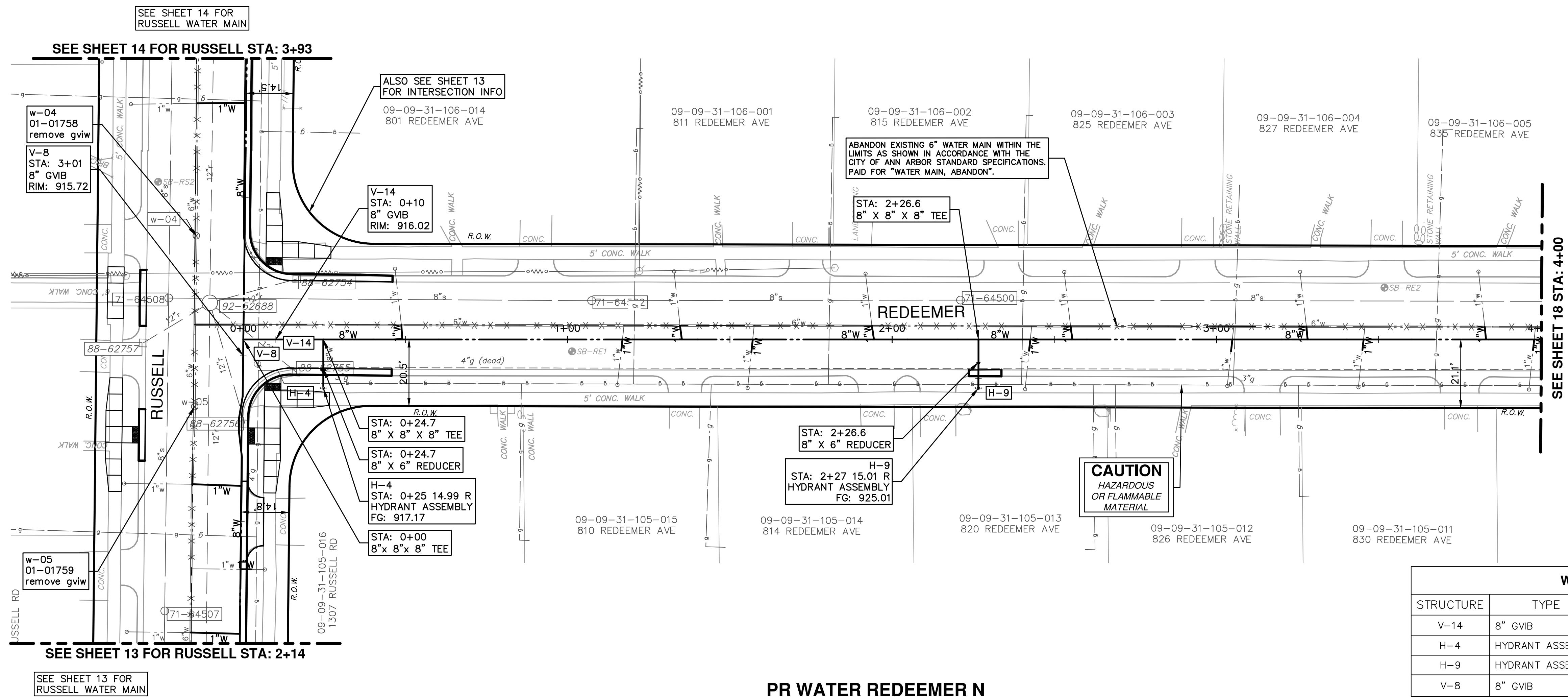
WATER MAIN STRUCTURE TABLE					
STRUCTURE	TYPE	STATION	ALIGNMENT	RIM	DEPTH
V-2	12" GVIB	0+10	Pr Water Redeemer S	908.35	7.35
H-2	HYDRANT ASSEMBLY	0+52	Pr Water Redeemer S	909.66	8.99
V-13	8" GVIB	5+45	Pr Water Redeemer N	909.27	5.58
V-4	8" GVIB	12+47	Pr Water Russell-Hewett Loop	907.55	6.21
V-3	12" GVIB	13+01	Pr Water Russell-Hewett Loop	908.31	7.31

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		
SCALE PLAN 1" = 20'	PROFILE 1" = 4'	HEWETT DR, RUSSETT RD & REDEEMER AVE WATER MAIN REPLACEMENT
DRAWING No. 2013034-16		WATER MAIN PLAN & PROFILE RUSSELL - HEWETT LOOP STA 11-75 TO 12-87

811	Know what's below.
Call before you dig.	
02 POST MODE 2015 REVIEW	03/18/15 JKA DAD
01 EBERWHITE EXTENSION	02/26/15 CEC AKA DAD
00 MDE PERMIT REVIEW COMMENTS	07-22-14 ES,DPF DAD
DESCRIPTION	DATE DRAWN CHECKED
REV.	REV.

CITY OF ANN ARBOR  
PUBLIC SERVICE  
301 EAST FIFTH STREET  
ANN ARBOR MI 48104-3647  
www.212gov.org



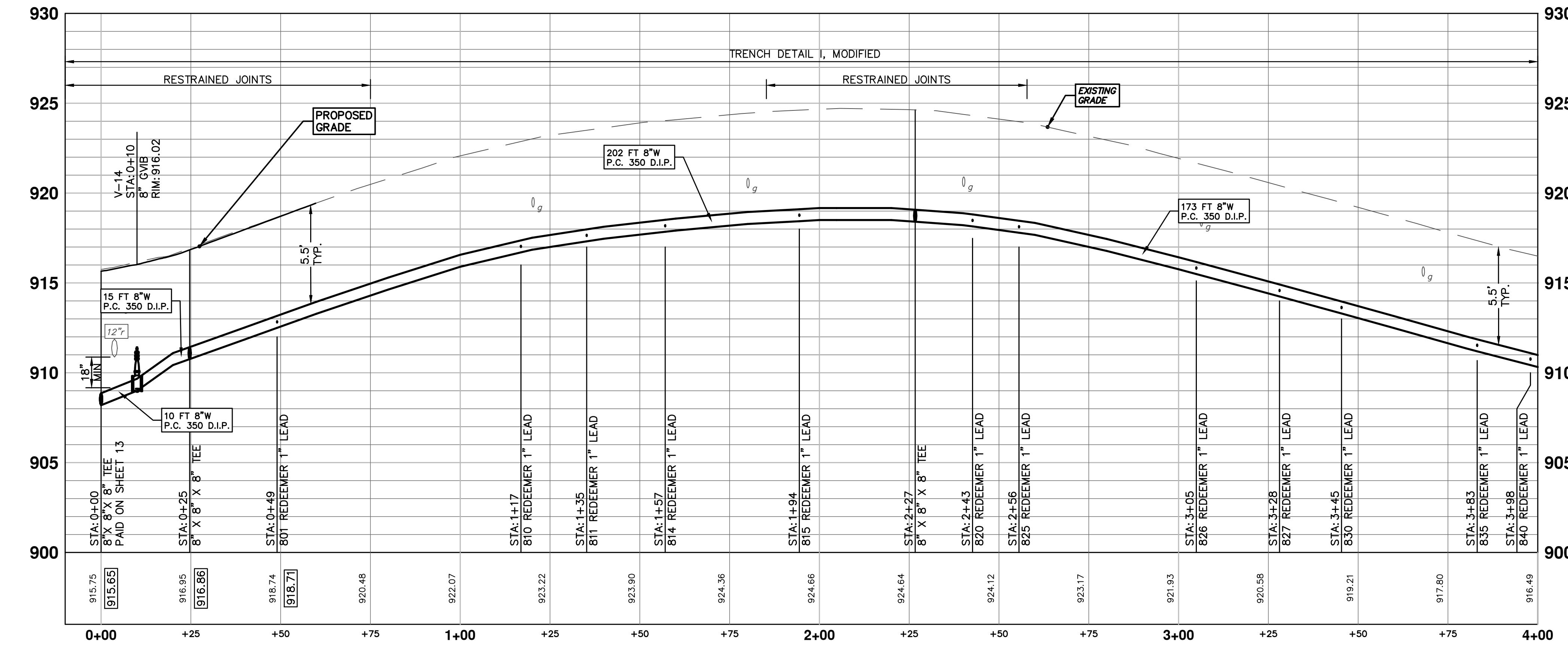


WATER MAIN STRUCTURE TABLE

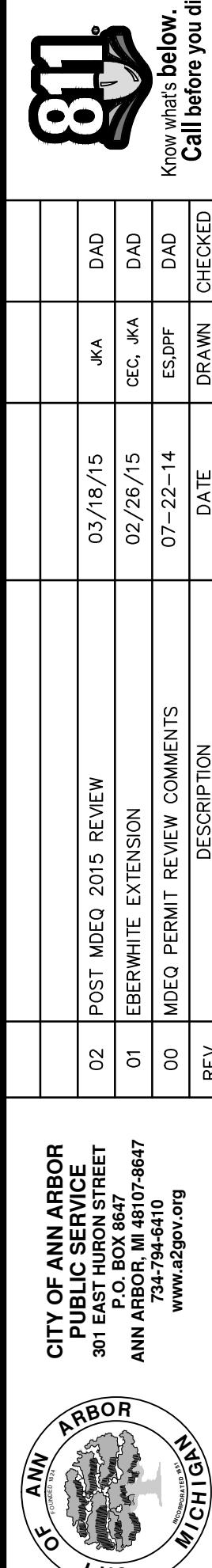
STRUCTURE	TYPE	STATION	ALIGNMENT	RIM	DEPTH
V-14	8" GVIB	0+10	Pr Water Redeemer N	916.02	7.02
H-4	HYDRANT ASSEMBLY	0+25	Pr Water Redeemer N	917.17	8.65
H-9	HYDRANT ASSEMBLY	2+27	Pr Water Redeemer N	925.01	11.60
V-8	8" GVIB	3+01	Pr Water Russell-Hewett Loop	915.72	7.47

EX-WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
w-05	01-01759 REMOVE GVIB	2+85	916.14	8.55
w-04	01-01758 REMOVE GVIB	3+38	914.37	7.97



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
HEWETT DR, RUSSELL RD, RUSSETT RD &  
REDEEMER AVE WATER MAIN REPLACEMENT  
WATER MAIN PLAN & PROFILE  
REDEEMER (N) STA 0+00 TO 4+00



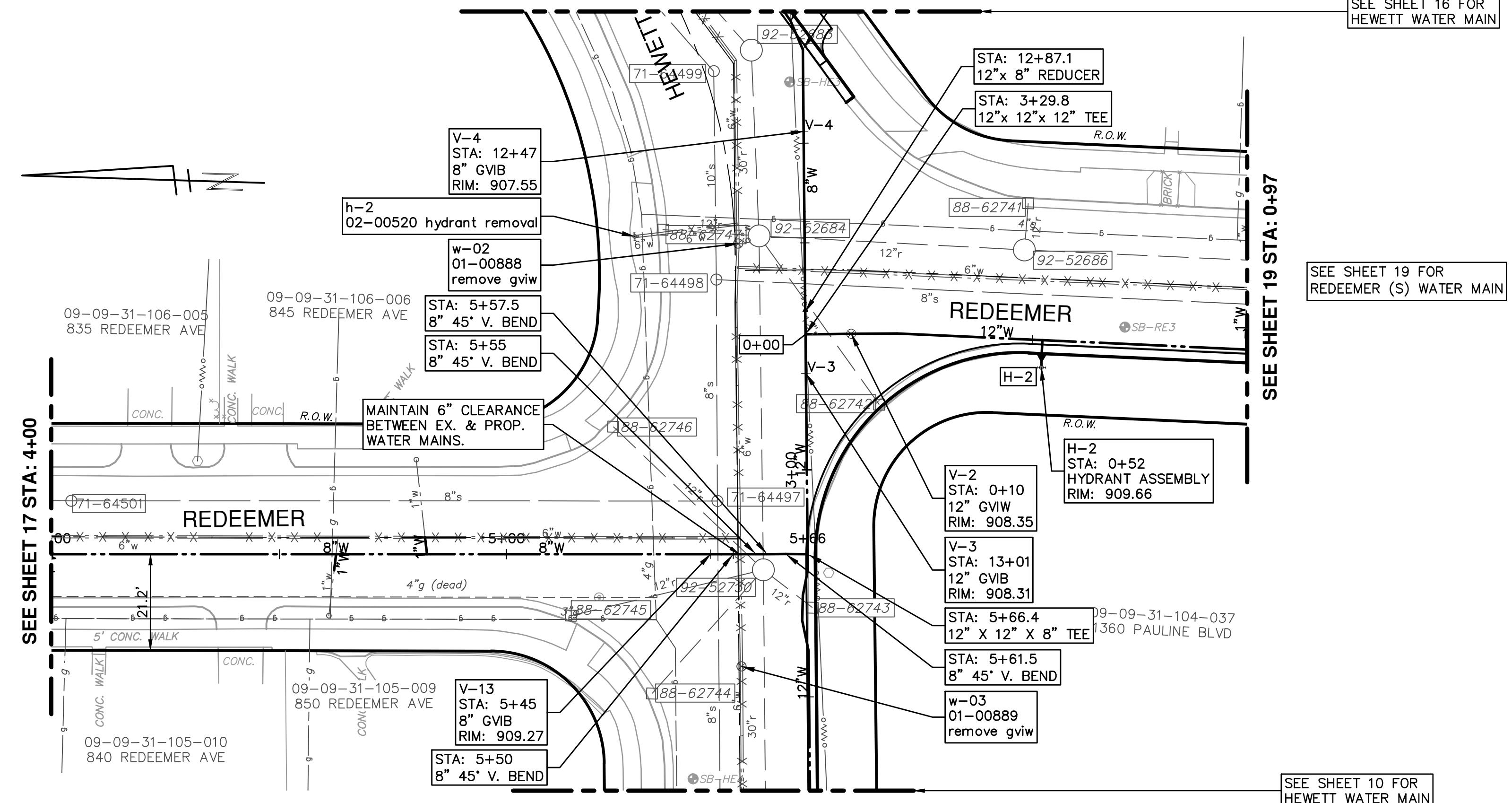
81.  
Know what's below.  
Call before you dig.

02 POST MODE 2015 REVIEW  
01 EBWHITE EXTENSION  
00 MDG PERMIT REVIEW COMMENTS  
03/18/15 JKA  
02/26/15 CEC, JKA  
03/22/14 ESDPF, DAD  
07/22/14 DAD  
00 DRAWN CHECKED  
REV.

02 POST MODE 2015 REVIEW  
01 EBWHITE EXTENSION  
00 MDG PERMIT REVIEW COMMENTS  
03/18/15 JKA  
02/26/15 CEC, JKA  
03/22/14 ESDPF, DAD  
00 DRAWN CHECKED  
REV.

SEE SHEET 17 FOR  
REDEEMER (N) WATER MAIN

SEE SHEET 17 STA: 4+00



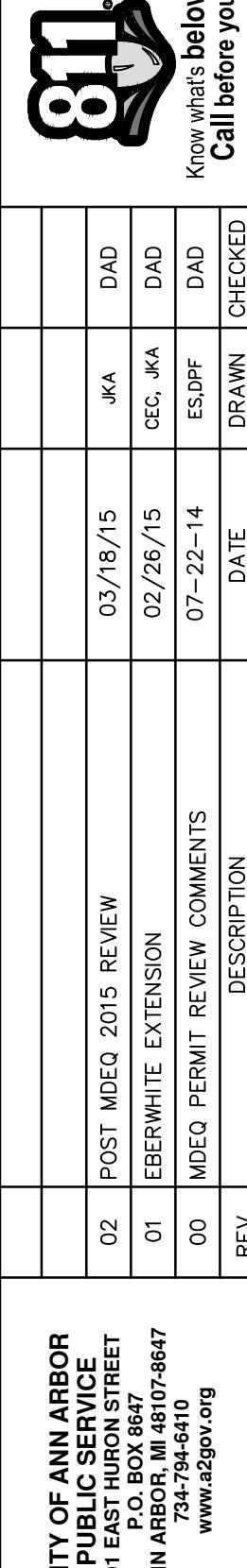
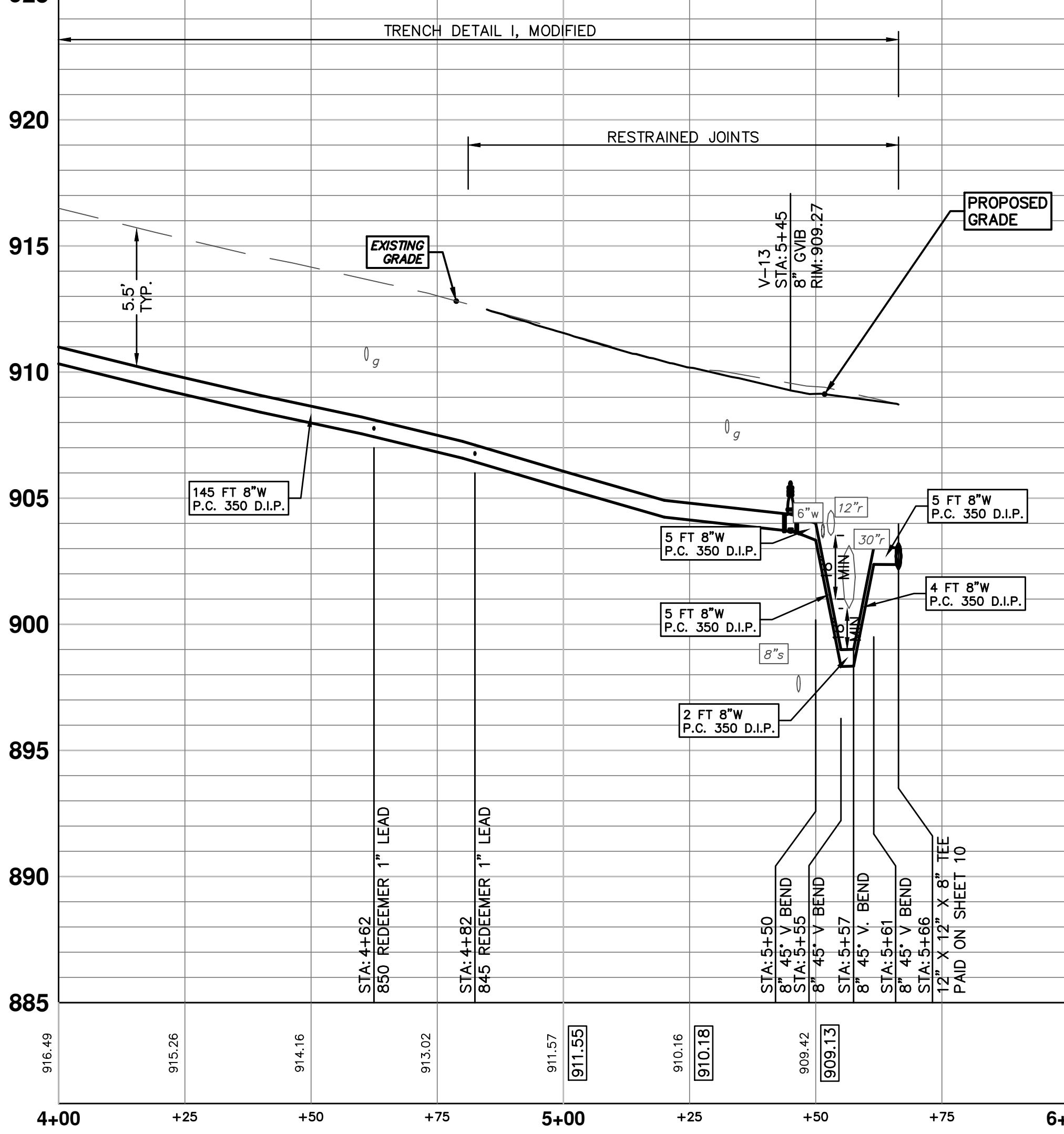
SEE SHEET 16 FOR  
HEWETT WATER MAIN

SEE SHEET 19 FOR  
REDEEMER (S) WATER MAIN

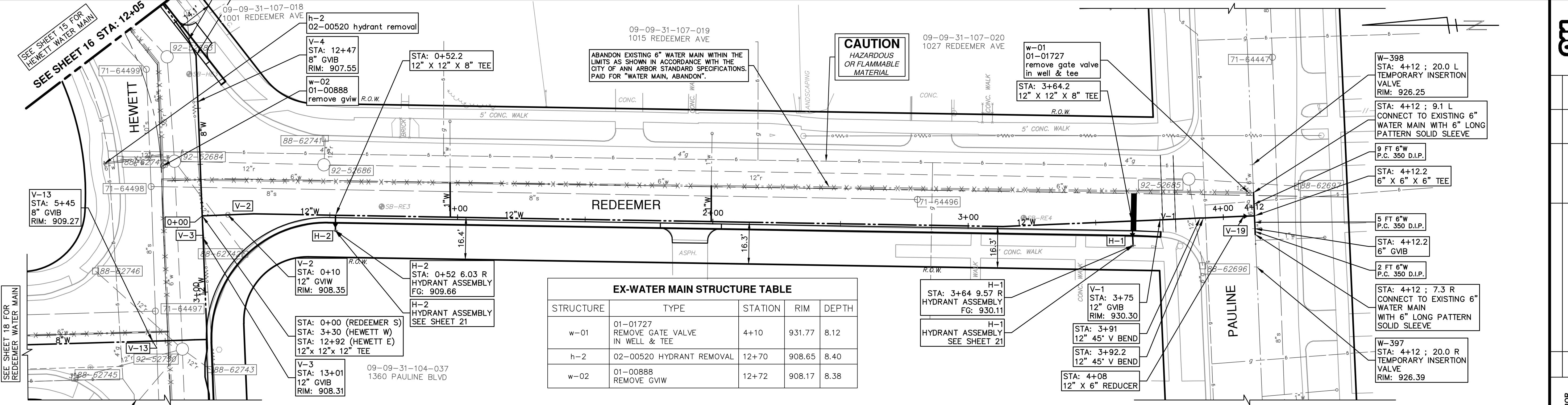
SEE SHEET 19 STA: 0+97

SEE SHEET 10 FOR  
HEWETT WATER MAIN

925

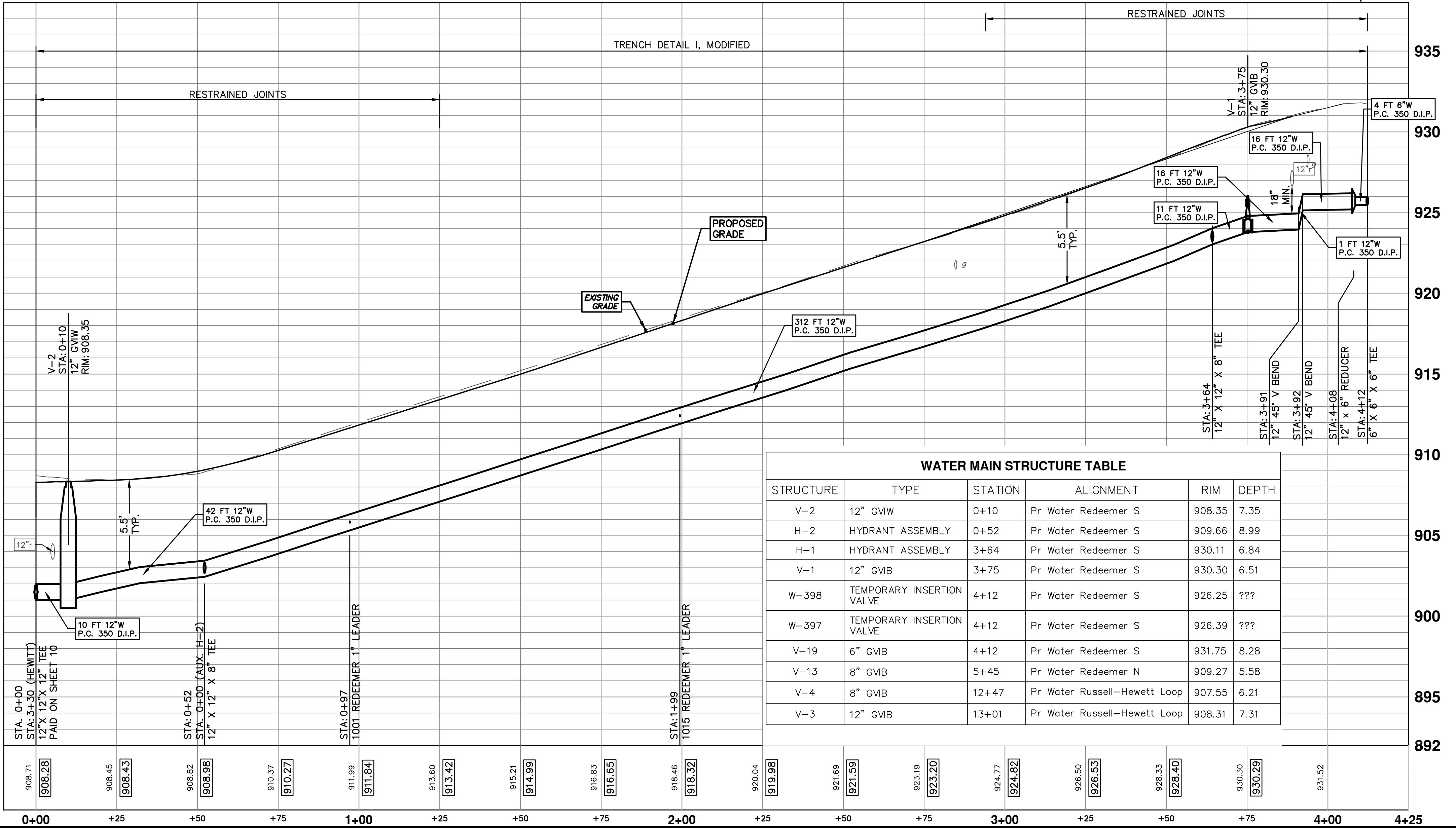


811  
Know what's below.  
Call before you dig.

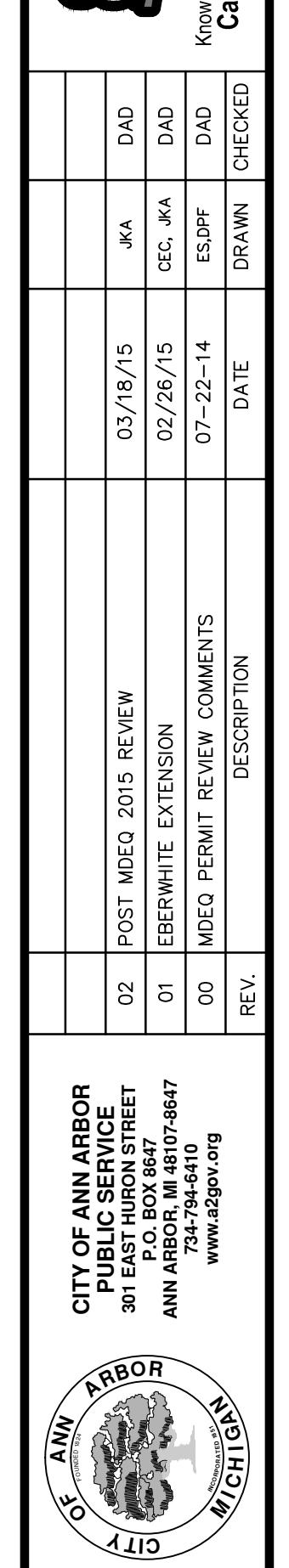


EX-WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
w-01	01-01727 REMOVE GATE VALVE IN WELL & TEE	4+10	931.77	8.12
h-2	02-00520 HYDRANT REMOVAL	12+70	908.65	8.40
w-02	01-00888 REMOVE GVIW	12+72	908.17	8.38



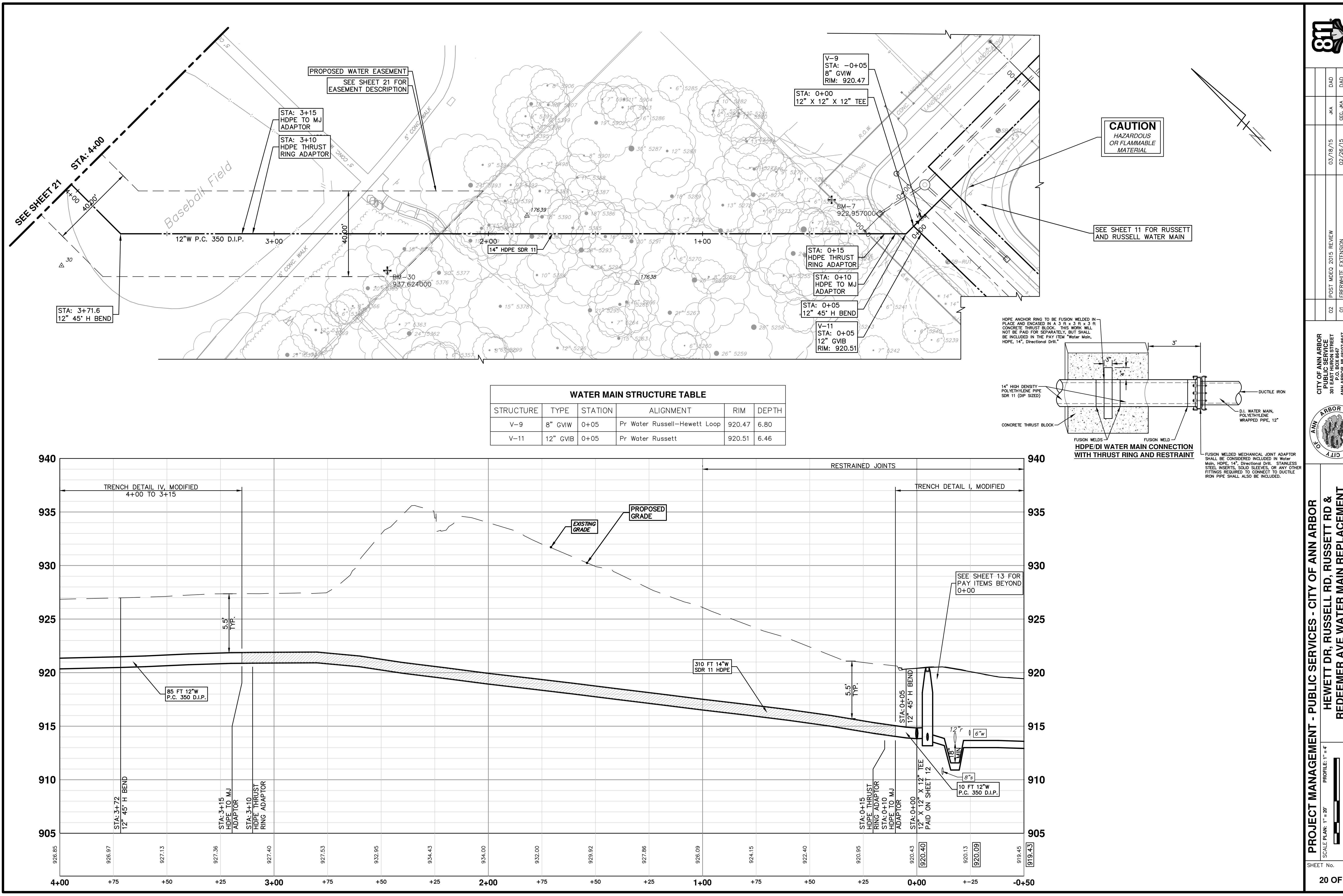
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
HEWETT DR, RUSSELL RD, RUSSETT RD &  
REDEEMER AVE WATER MAIN REPLACEMENT  
WATER MAIN PLAN & PROFILE  
REDEEMER (S) STA 0+00 TO 4+12

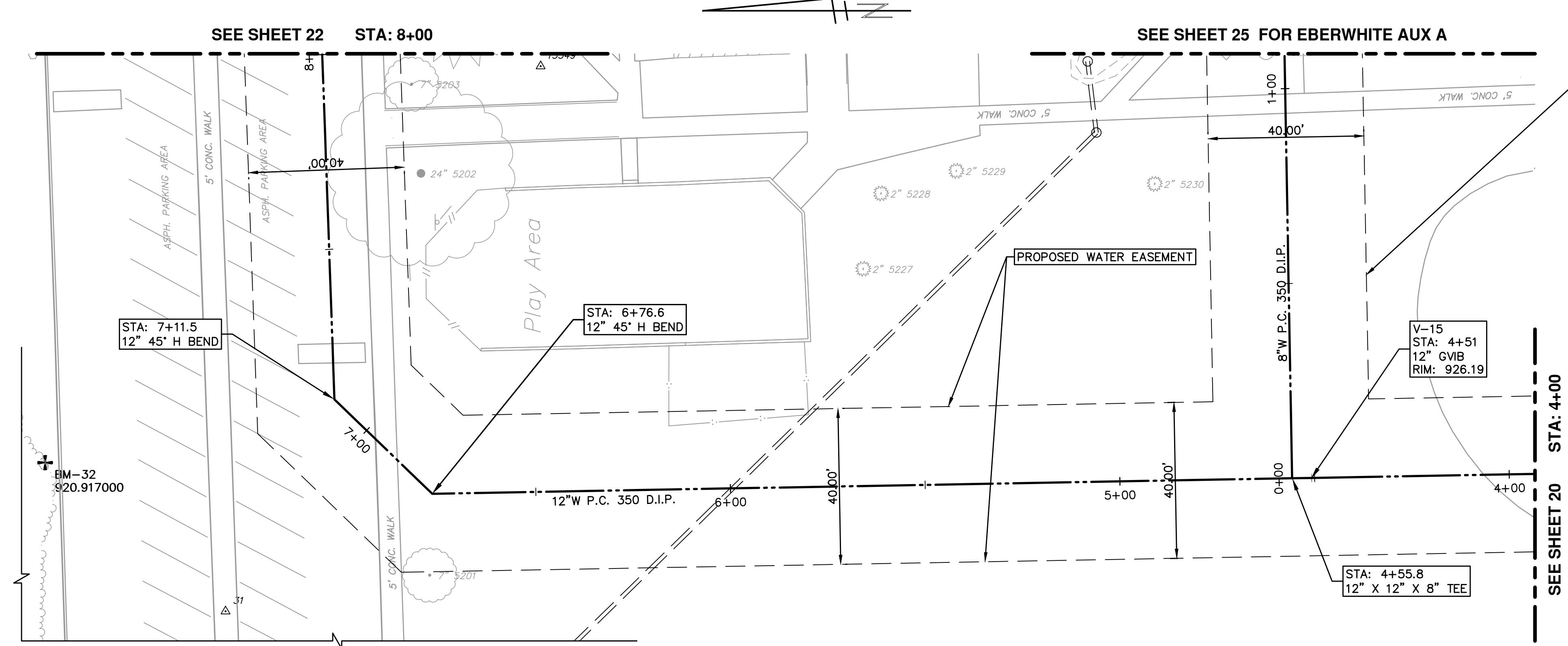


SCALE PLAN 1" = 20'  
PROFILE 1" = 4'  
DRAWING No.  
2013034-19  
SHEET No.  
19 OF 30



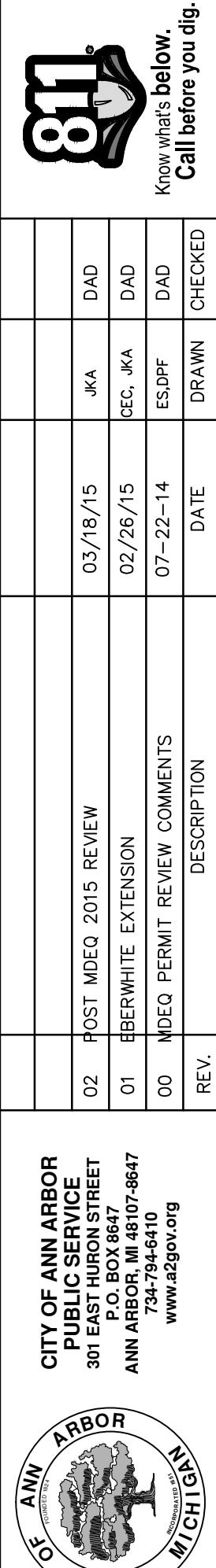
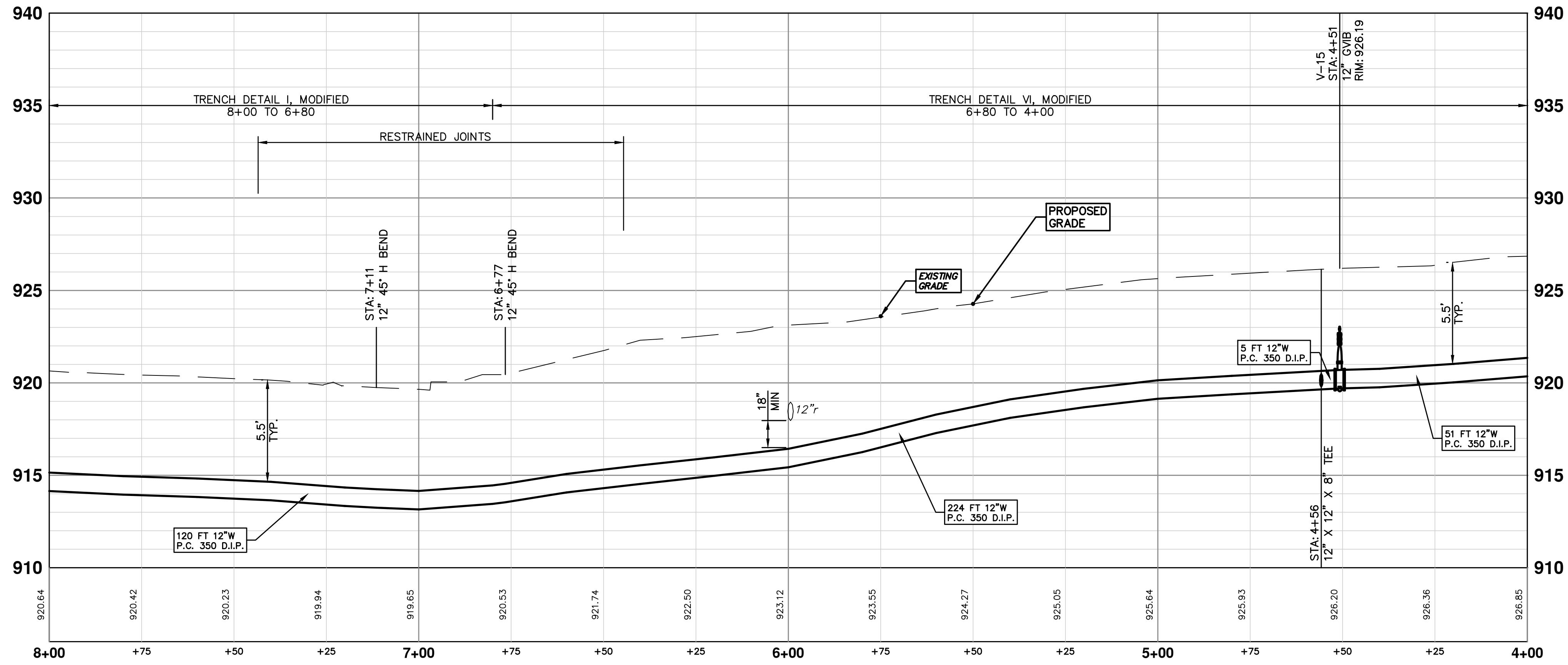
Know what's below.  
Call before you dig.



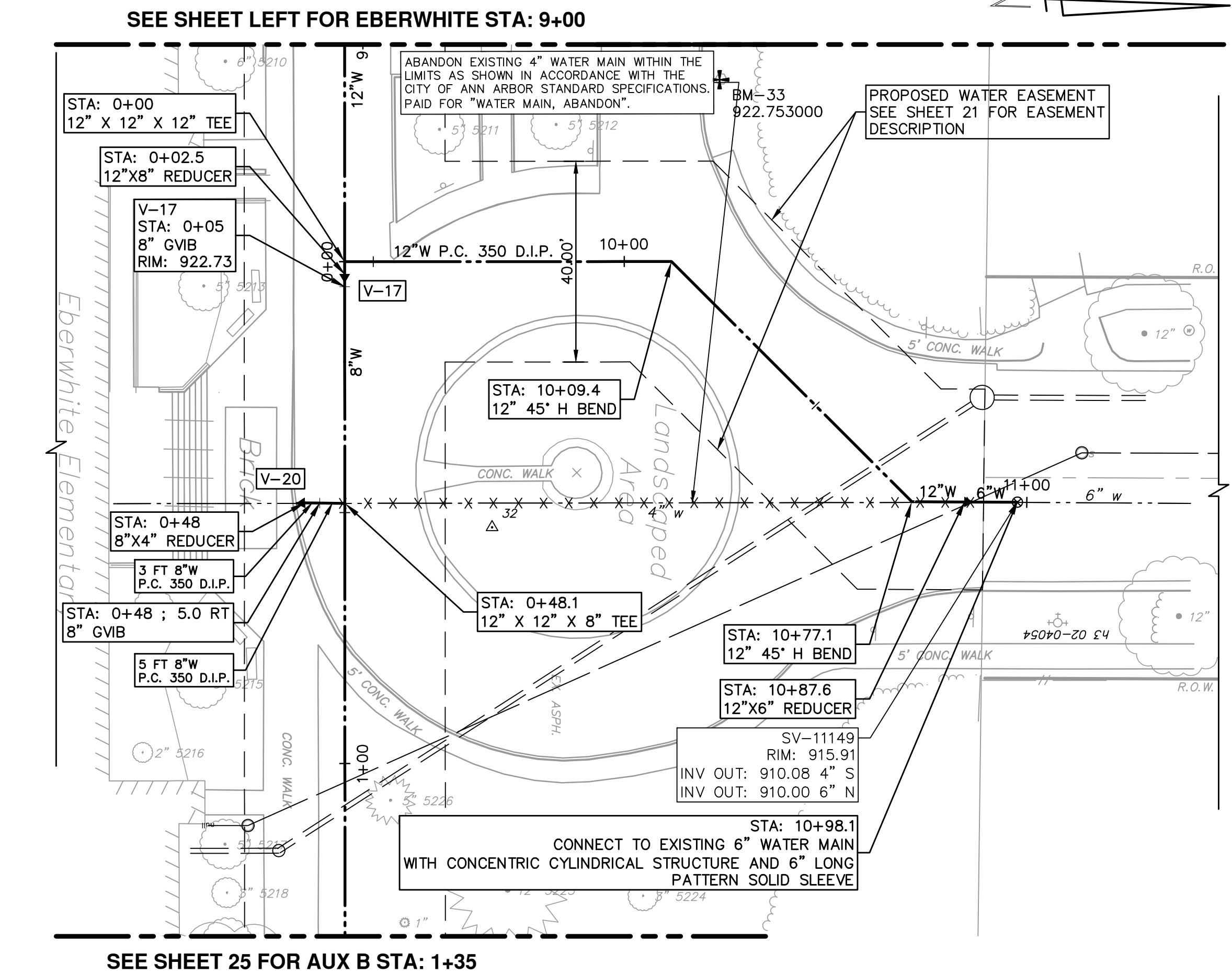
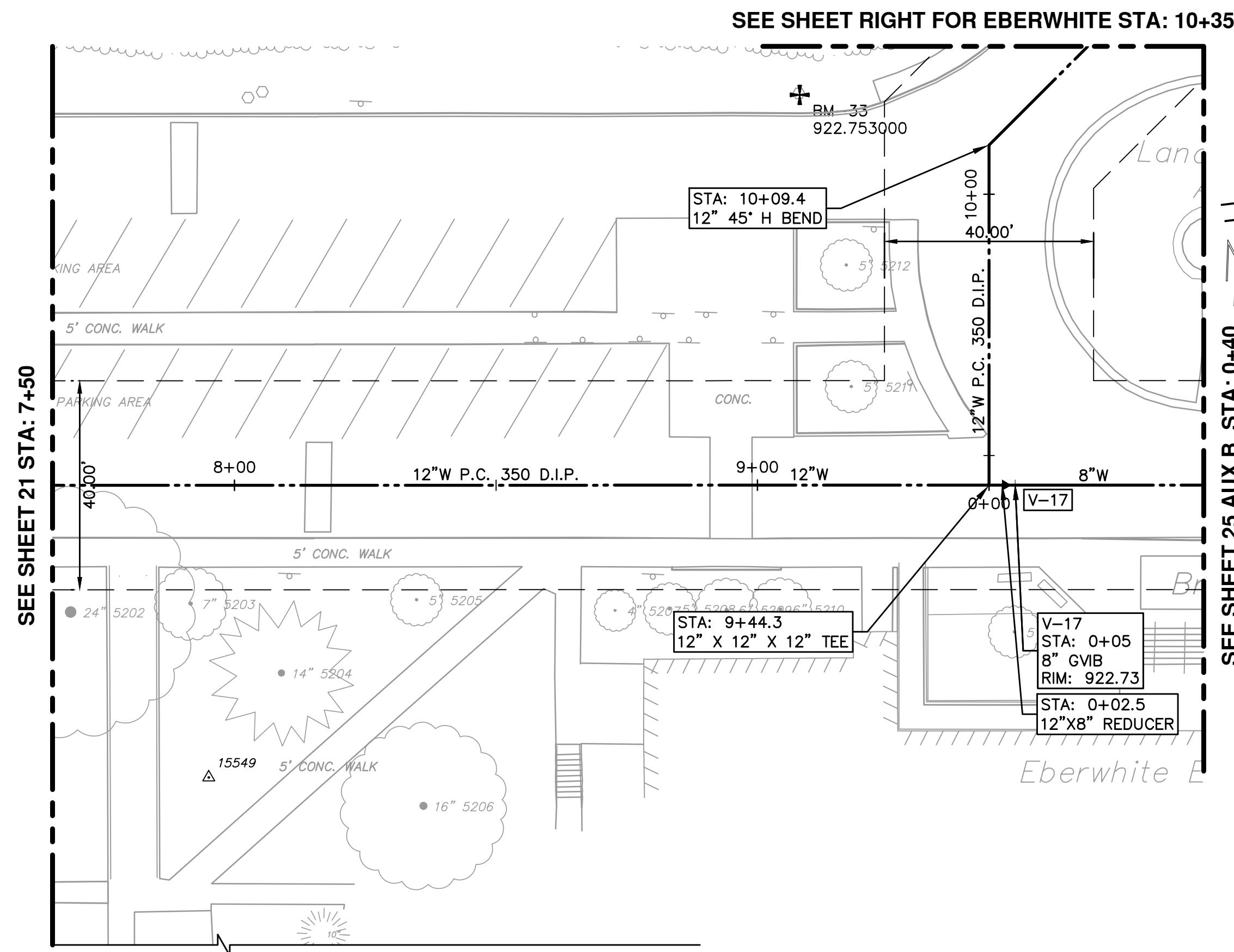


**SEE SHEET 20 STA: 4+00**

WATER MAIN STRUCTURE TABLE					
STRUCTURE	TYPE	STATION	ALIGNMENT	RIM	DEPTH
V-15	12" GVIB	4+51	Eberwhite	926.19	6.49

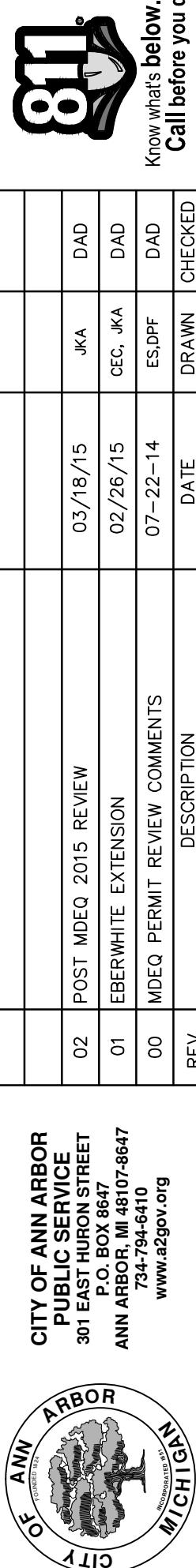
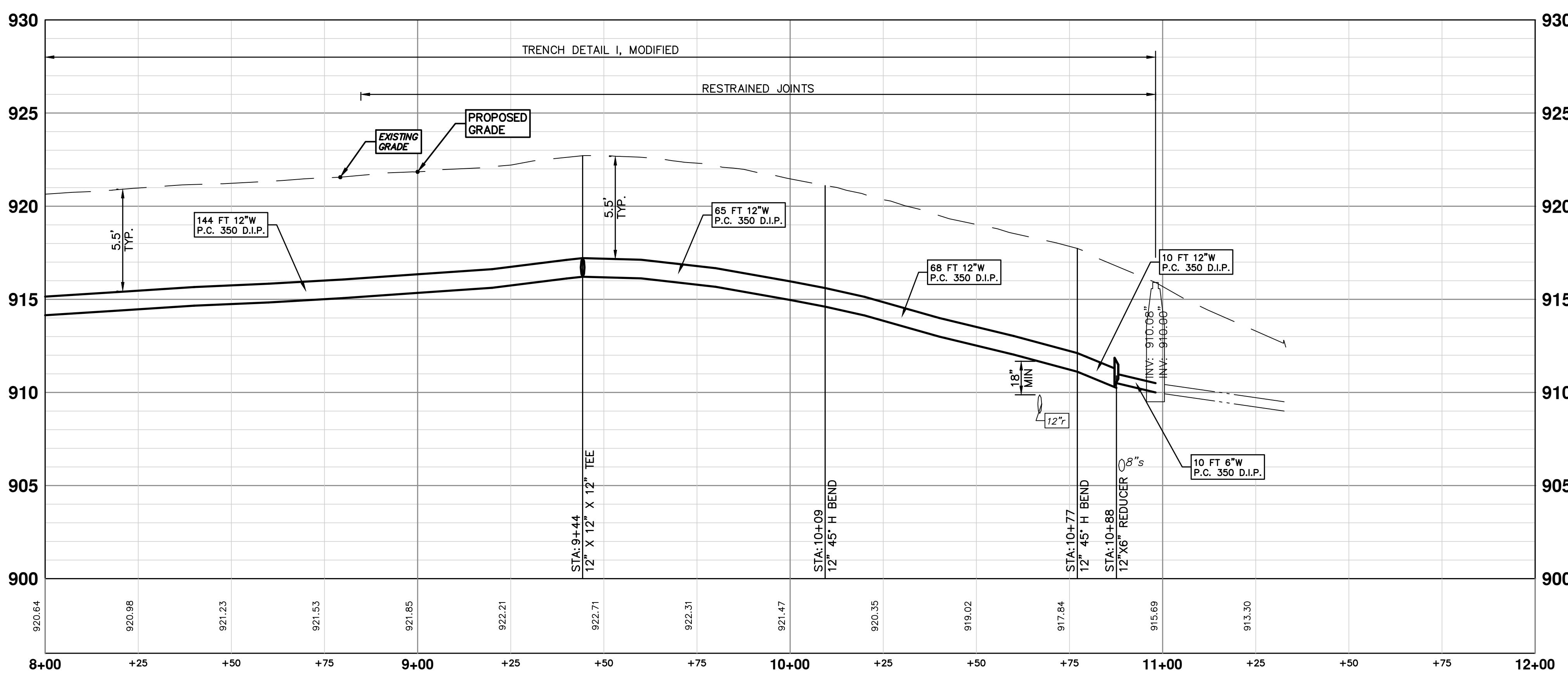


Know what's below.  
Call before you dig.

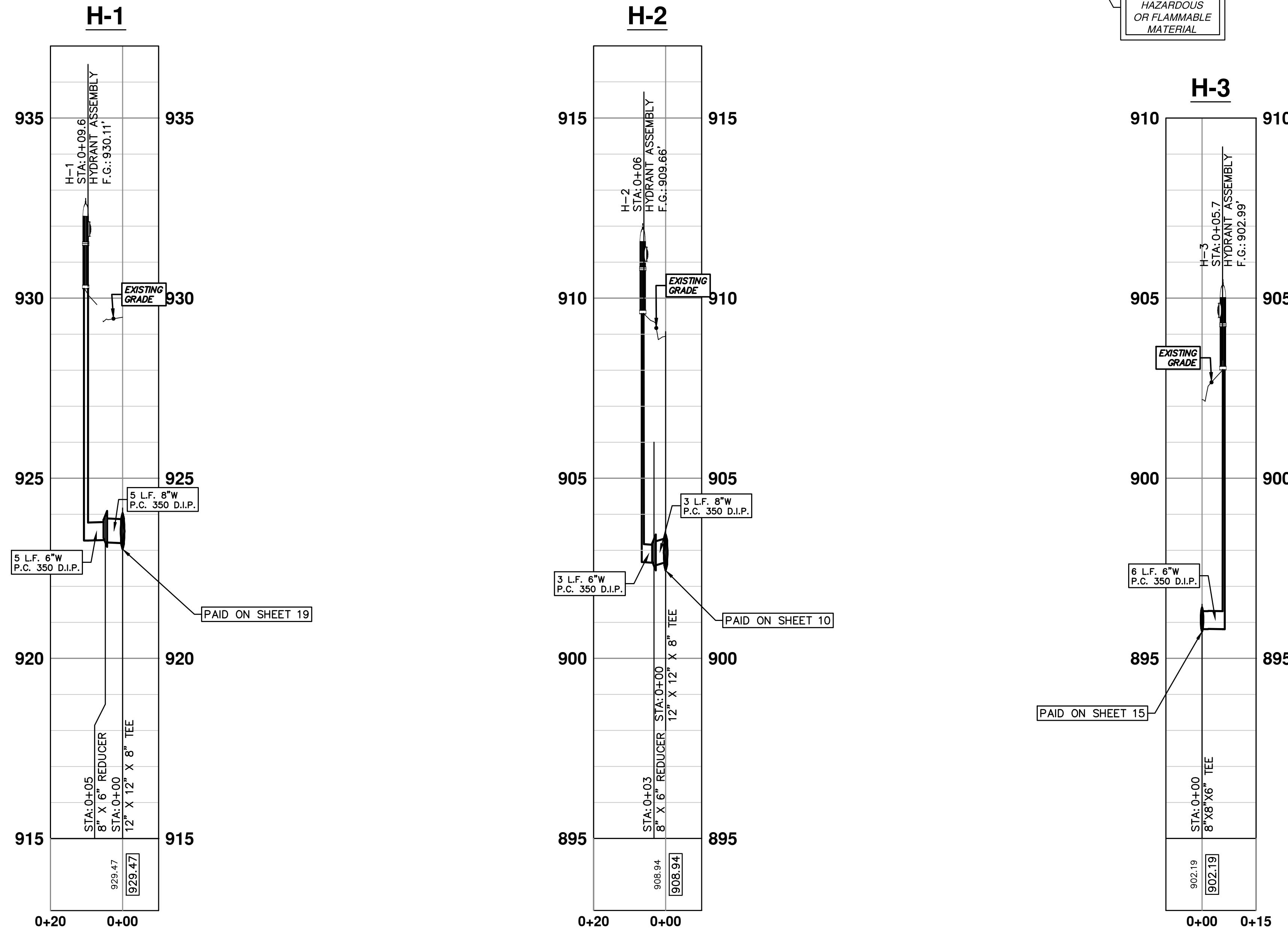
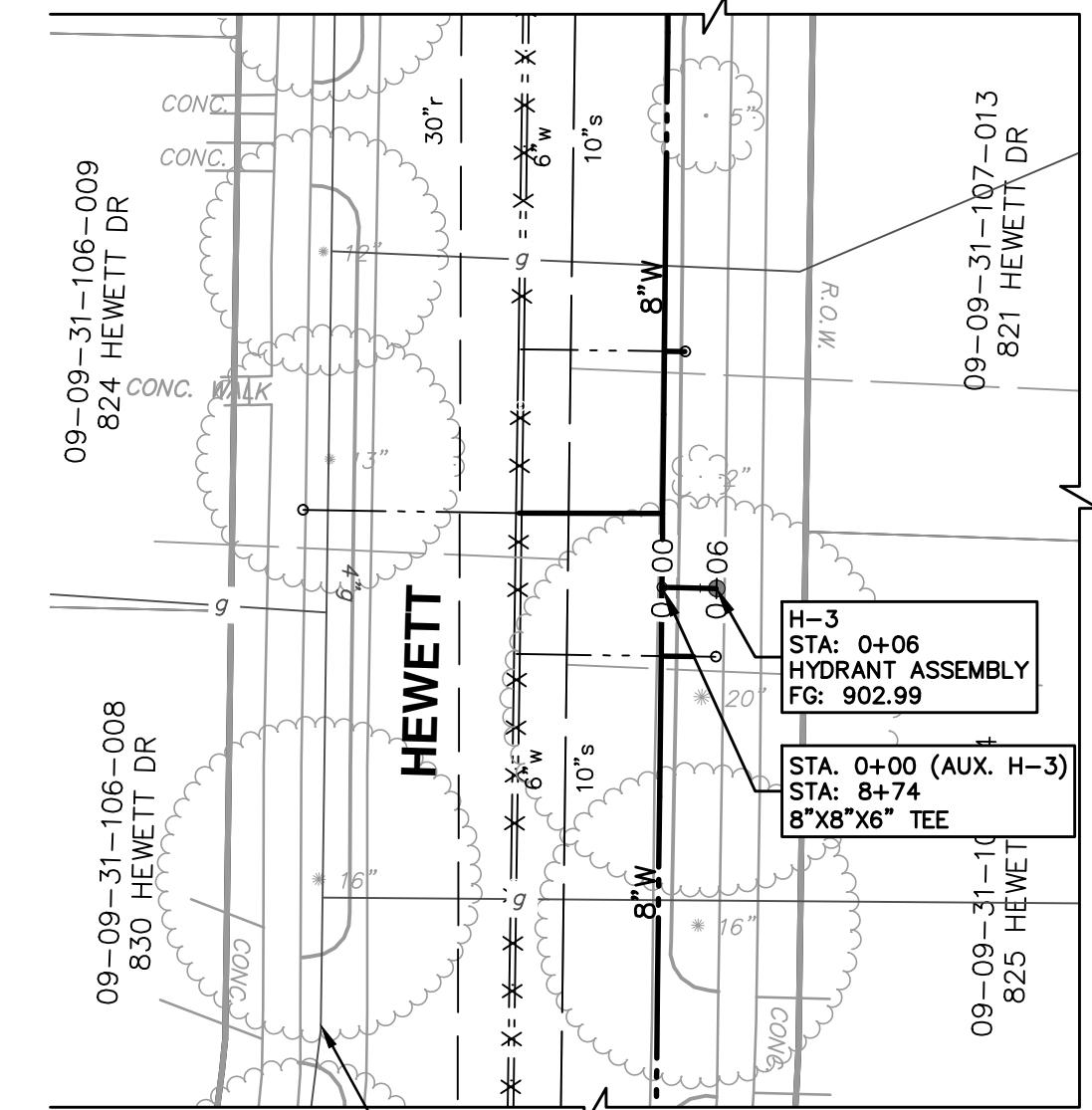
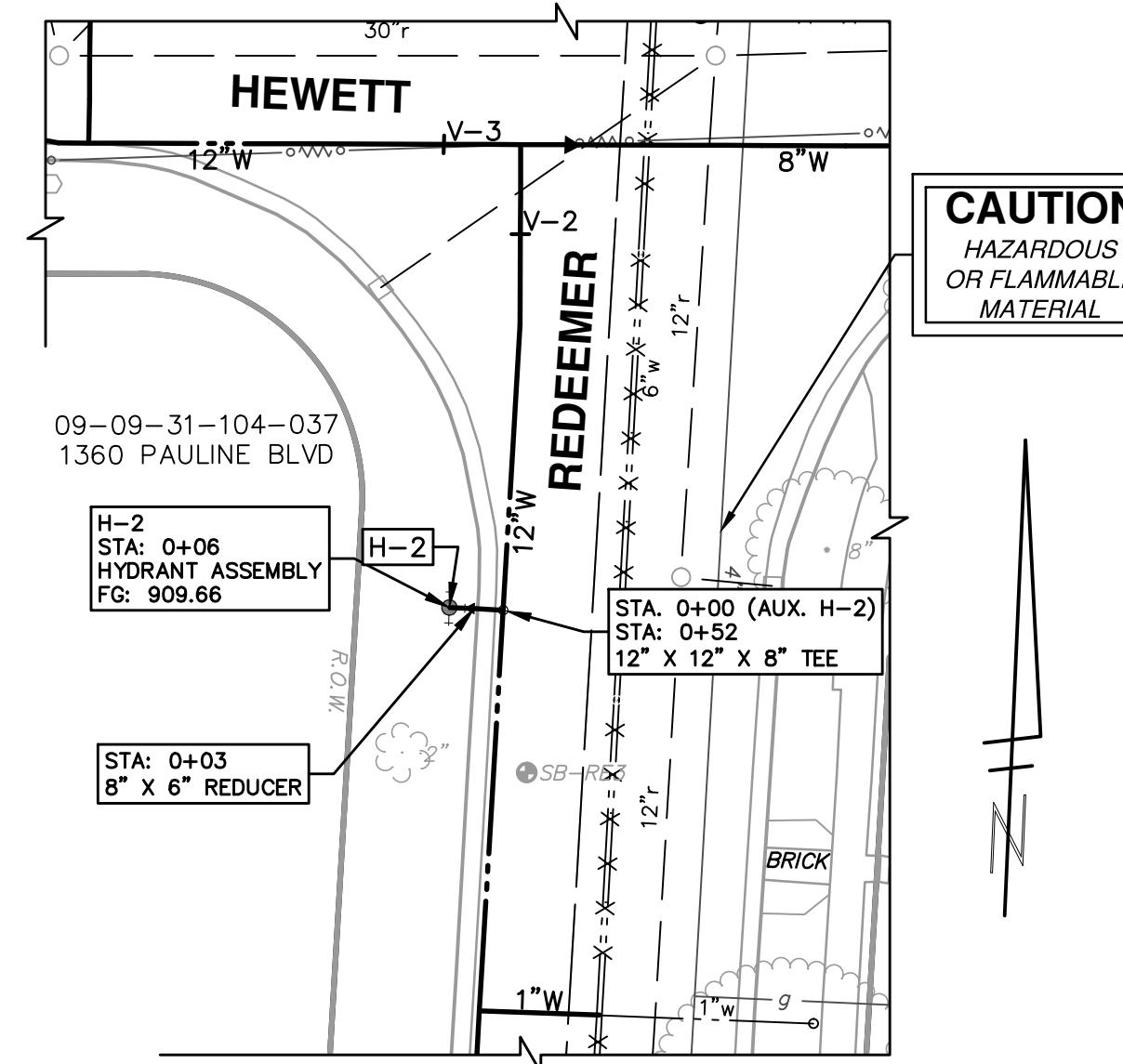
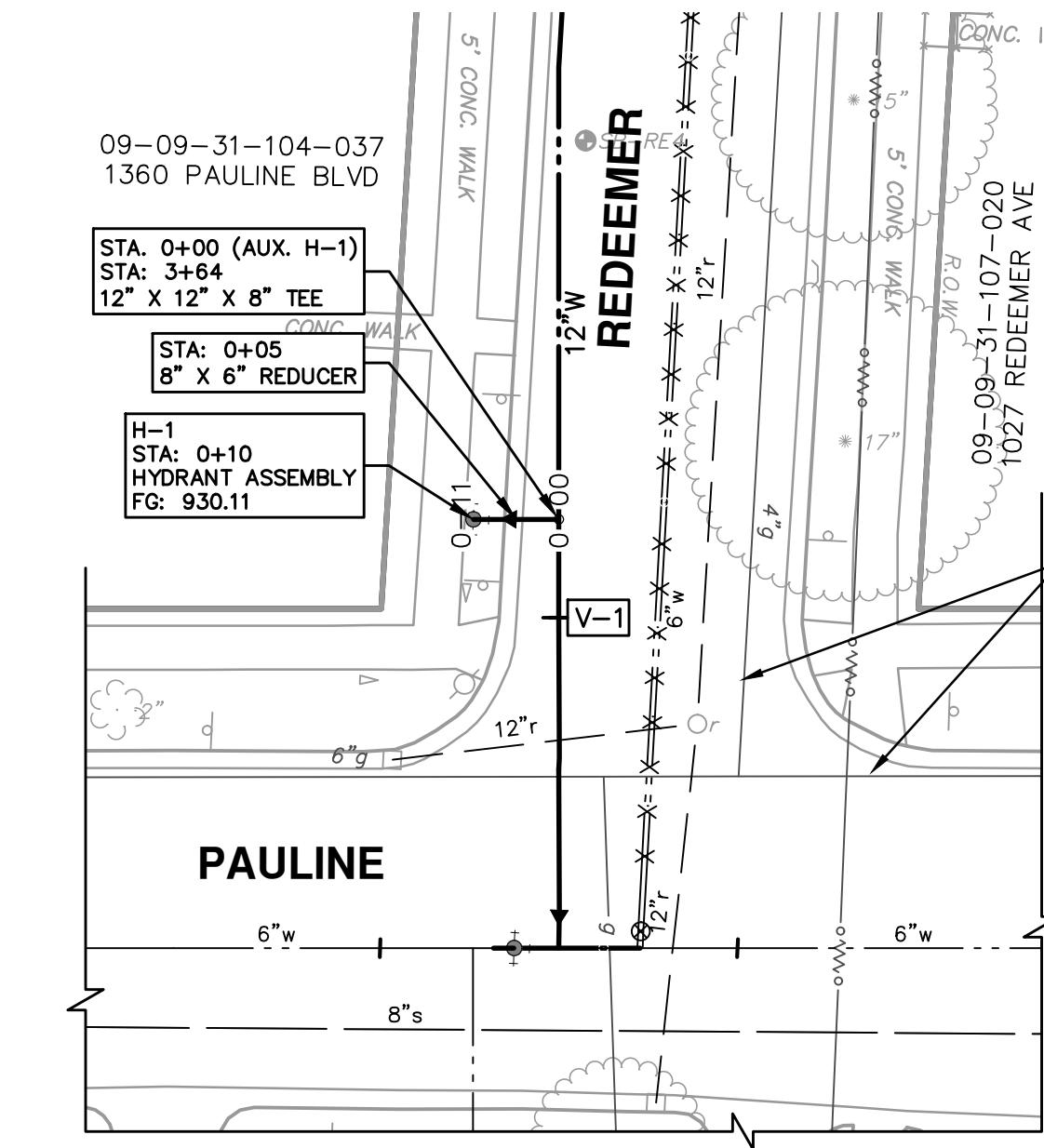


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR									
STRUCTURE TABLE		WATER MAIN STRUCTURE TABLE		WATER MAIN PLAN & PROFILE					
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT	STRUCTURE	TYPE	STATION	ALIGNMENT	RIM	DEPTH
w-751	48" RIM = 915.91 SUMP = 910.0 INV OUT = 910.08 INV OUT = 910.00		p-(583), 4" TYPE K INV OUT = 910.08 p-(567), 6" DIP INV OUT = 910.00	V-20	8" GVIB	???	Eberwhite-Aux A	923.40	8.80
				V-17	8" GVIB	???	???	922.73	6.14

SCALE PLAN: 1" = 20'  
PROFILE: 1" = 4'  
DRAWING No. 2013034-22  
SHEET No.



811.  
Know what's below.  
Call before you dig.



WATER MAIN STRUCTURE TABLE					
STRUCTURE	TYPE	STATION	ALIGNMENT	FG	DEPTH
H-1	HYDRANT ASSEMBLY	3+64	Pr Water Redeemer S	930.11	6.84
H-2	HYDRANT ASSEMBLY	0+52	Pr Water Redeemer S	909.66	8.99
H-3	HYDRANT ASSEMBLY	8+74	Pr Water Russell-Hewett Loop	902.99	9.18

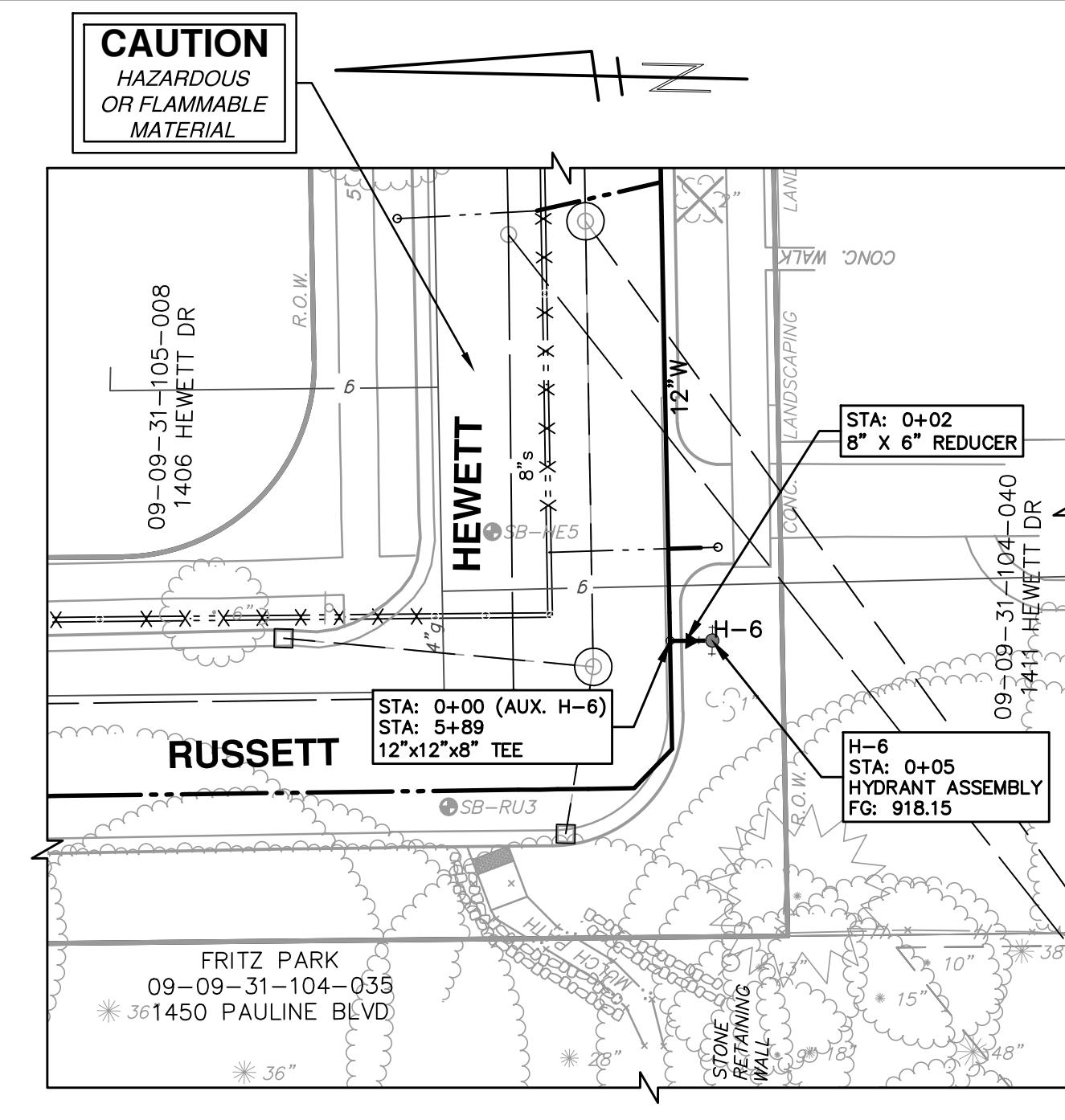
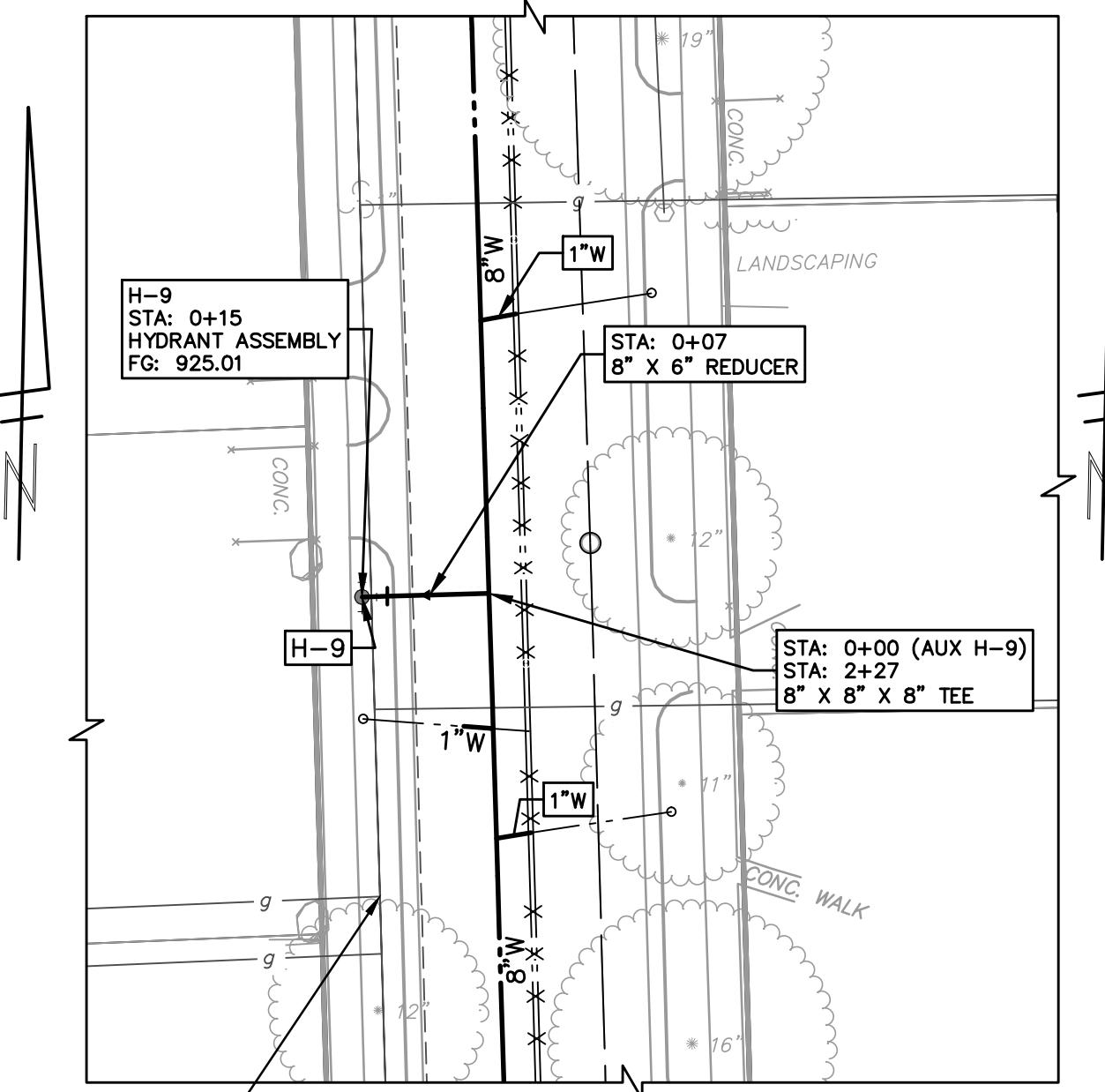
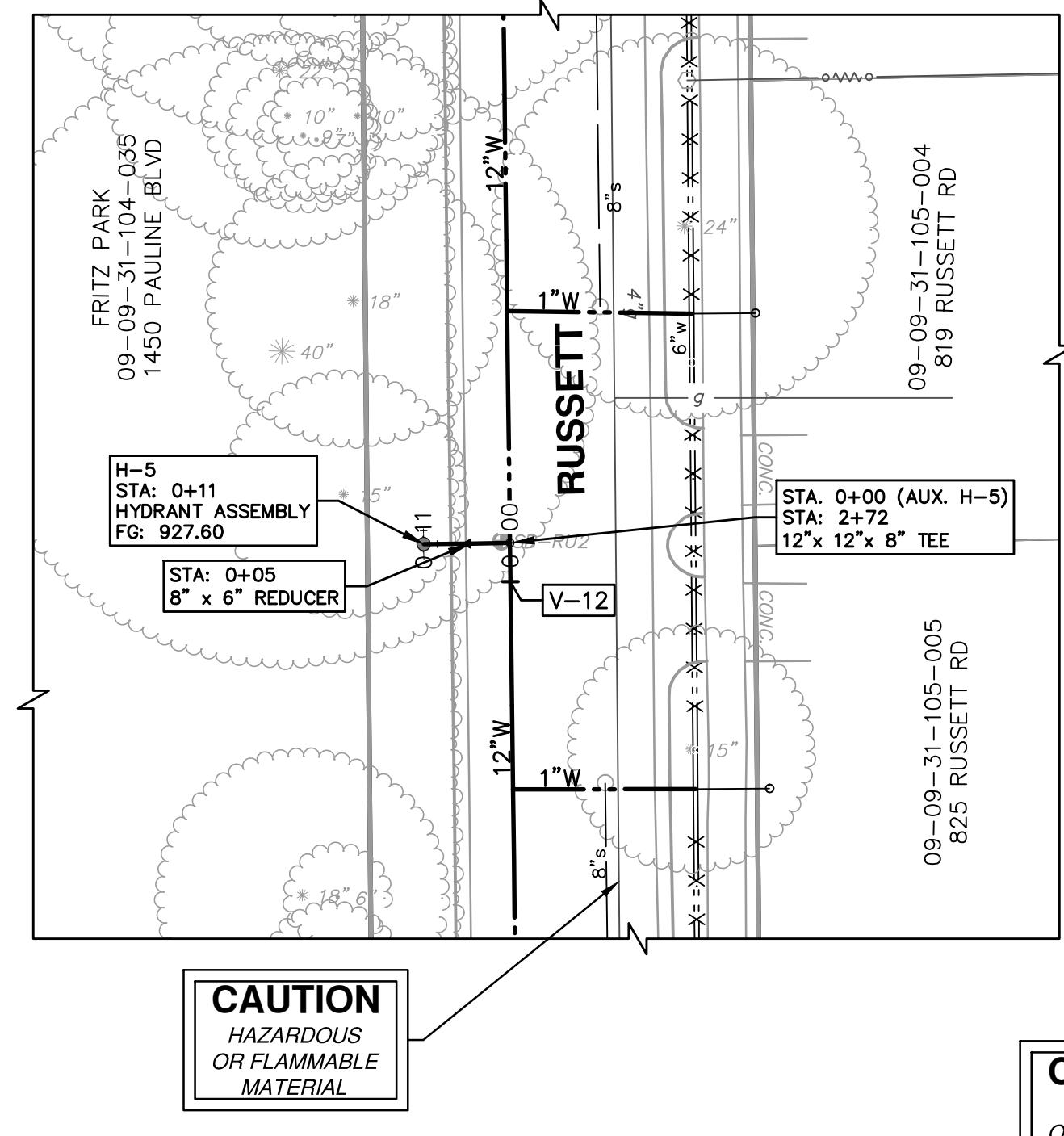
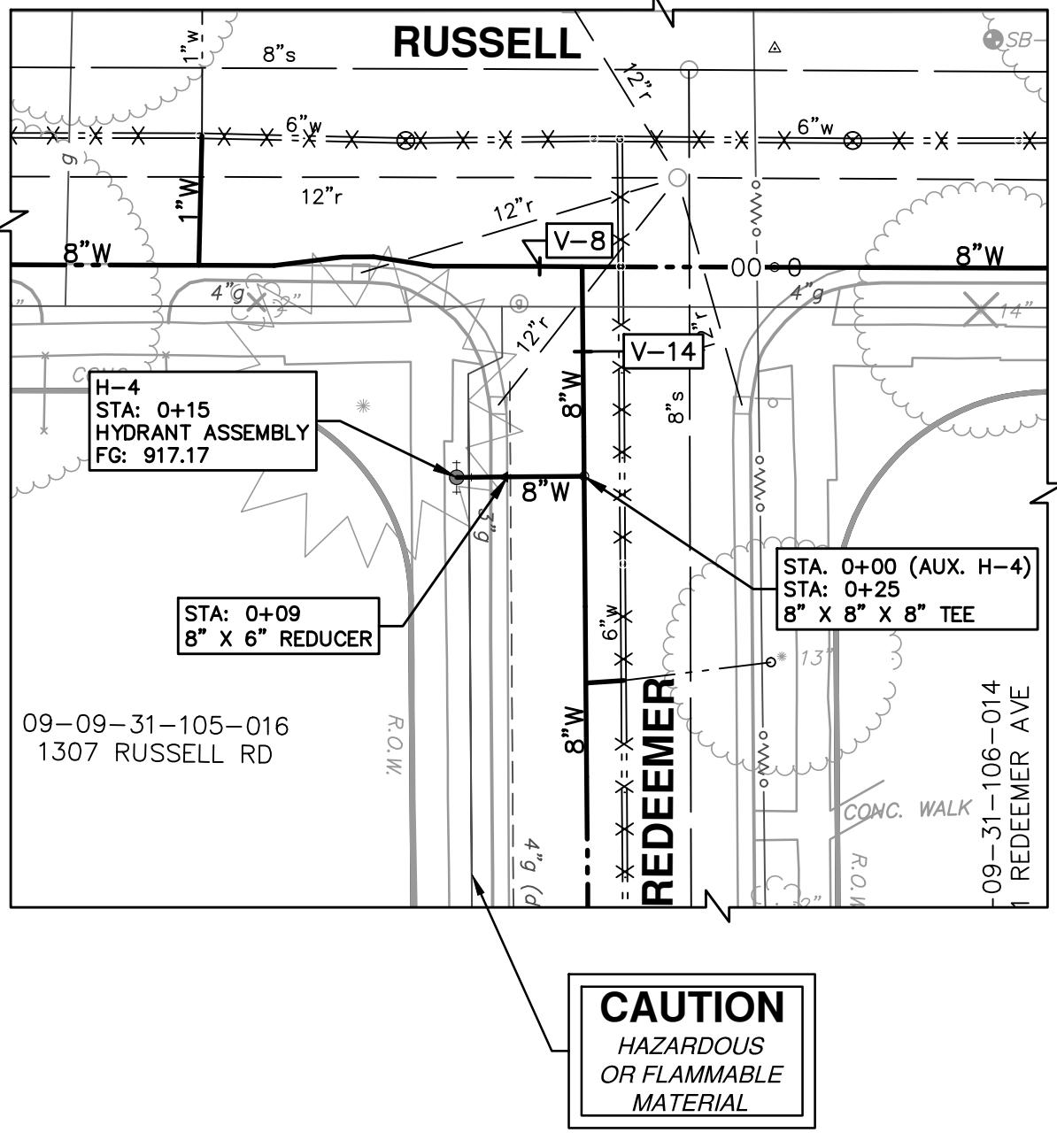
**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**HEWETT DR, RUSSELL RD & REDEEMER AVE WATER MAIN REPLACEMENT**  
**WATER MAIN PLAN & PROFILE**  
**HYDRANT LEADS H1-H3**

**811**  
 Know what's below.  
 Call before you dig.

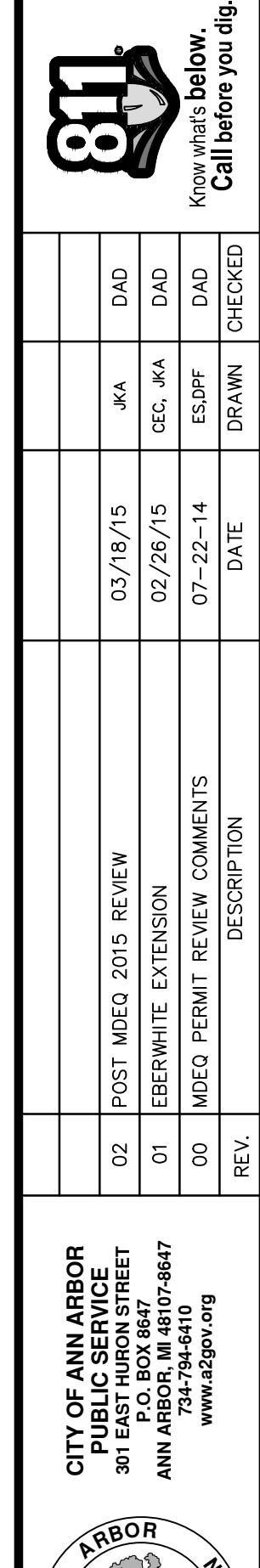
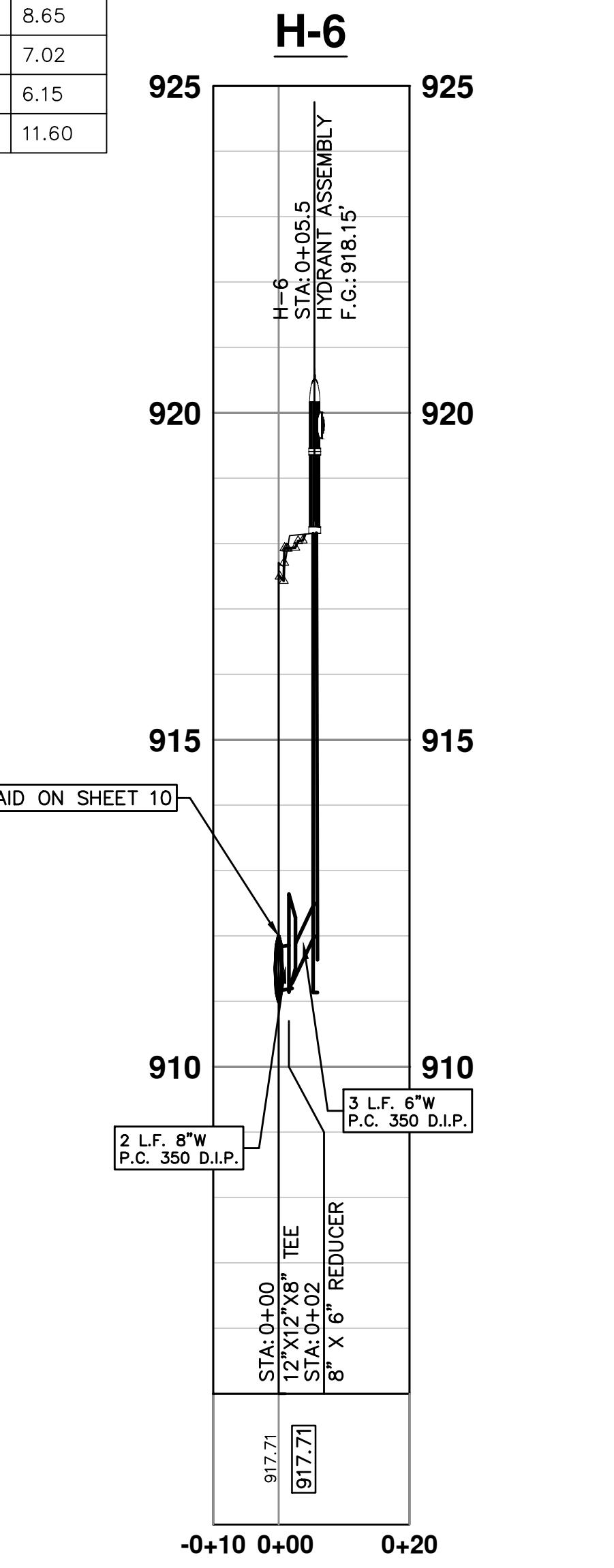
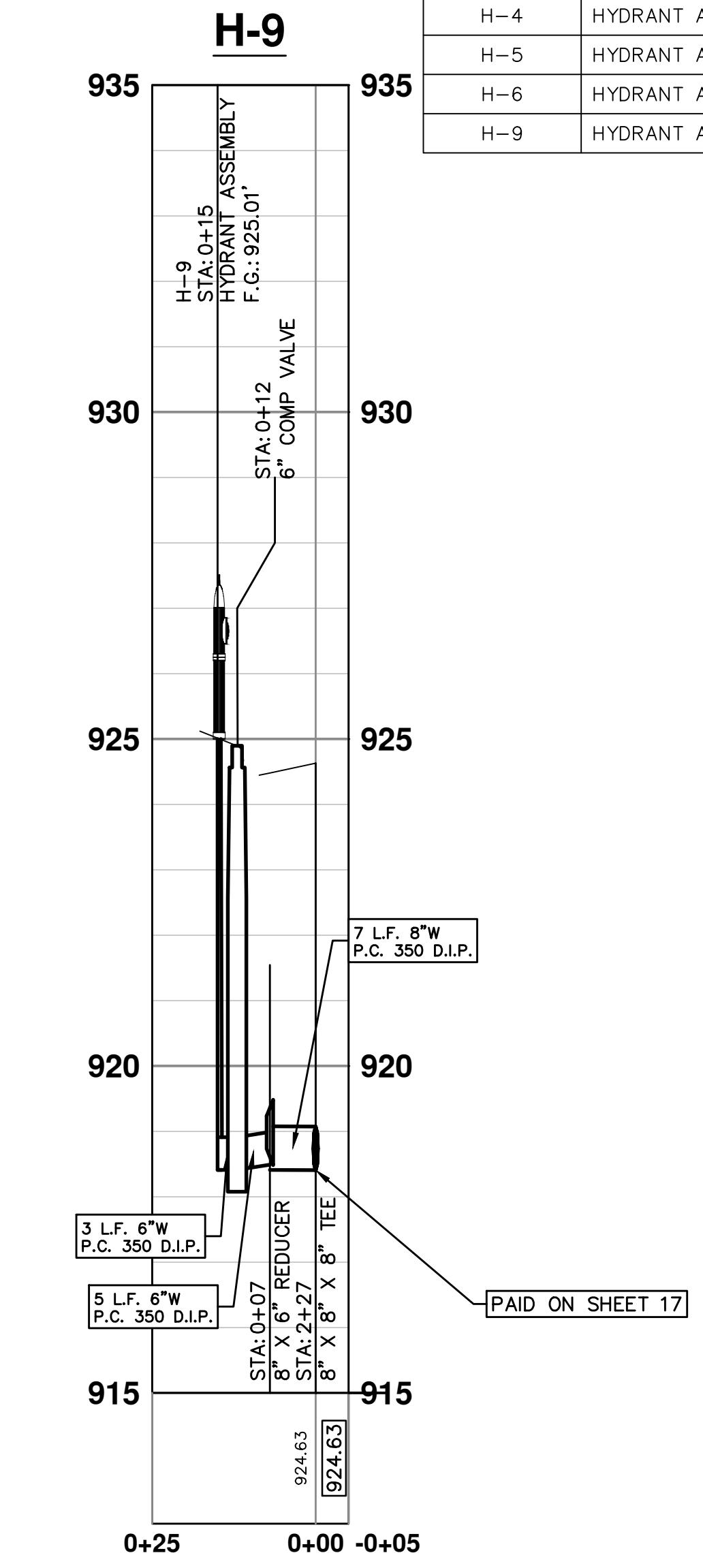
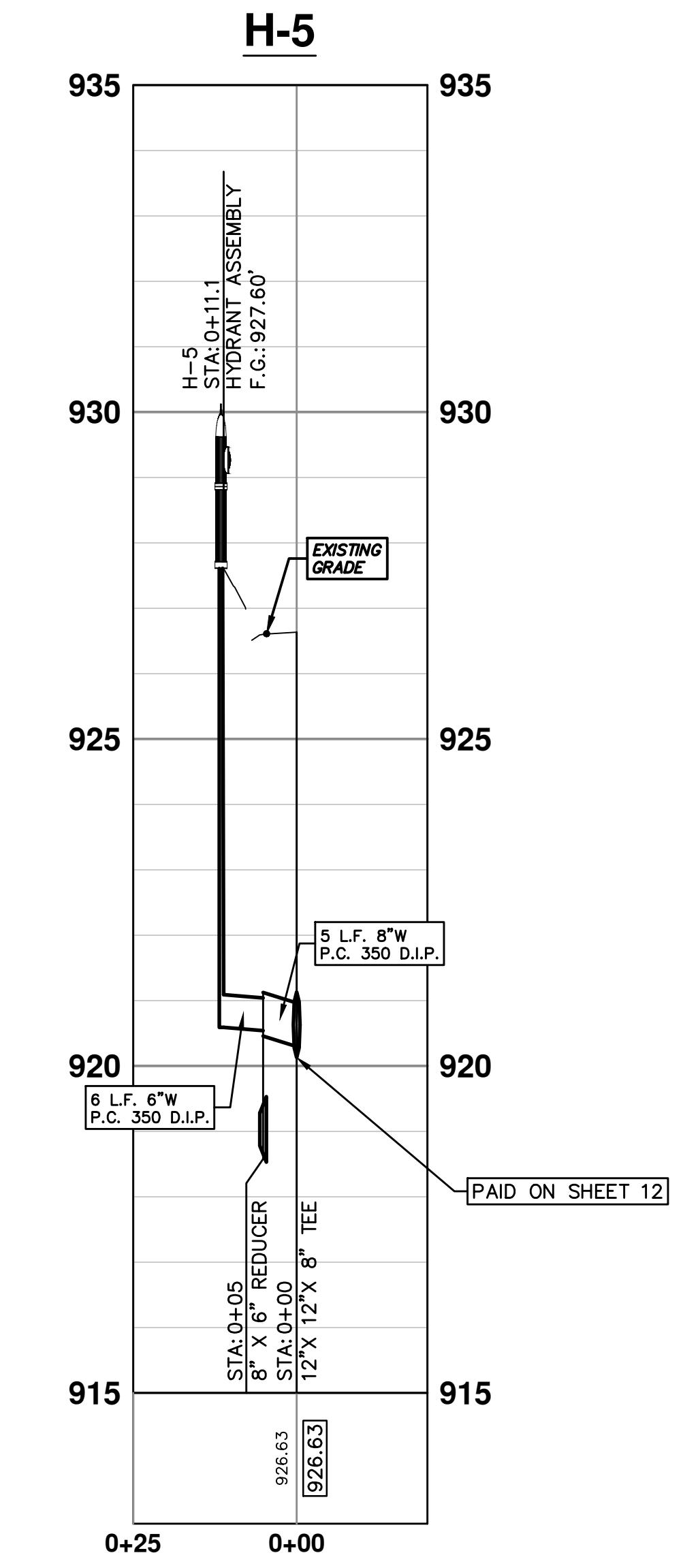
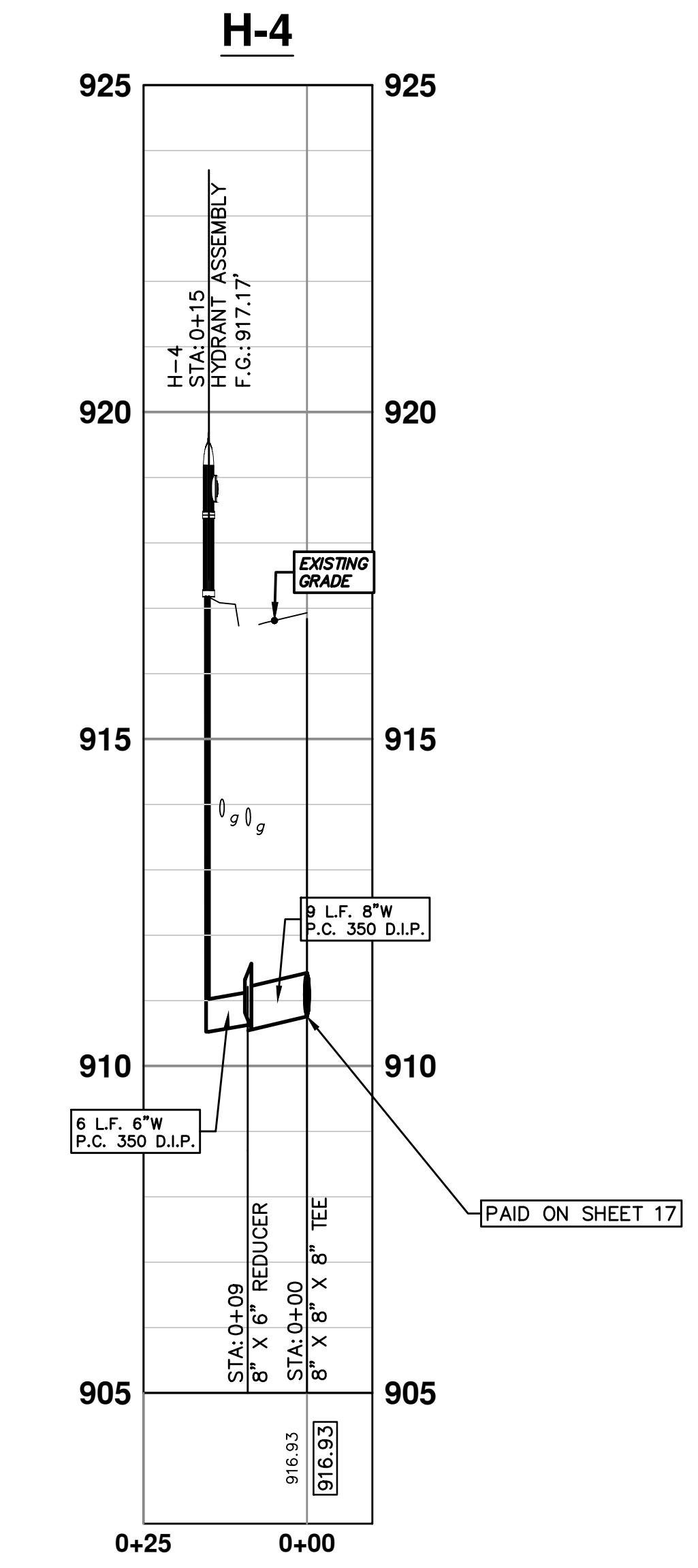
SCALE PLAN 1" = 20'	PROFILE 1" = 4"
DRAWING No.	DAD
2013034-23	DAD
Sheet No.	DAD
02 POST MODEQ 2015 REVIEW	03/18/15 JKA
01 EBWHITE EXTENSION	02/26/15 CEC, MKA
00 MDQ PERMIT REVIEW COMMENTS	07-22-14 ES,DPF
DESCRIPTION	DRAWN CHECKED
REV.	

**CITY OF ANN ARBOR**  
**PUBLIC SERVICE**  
**301 EAST FUBB STREET**  
**ANN ARBOR MI 48107-3647**  
**www.a2gov.org**

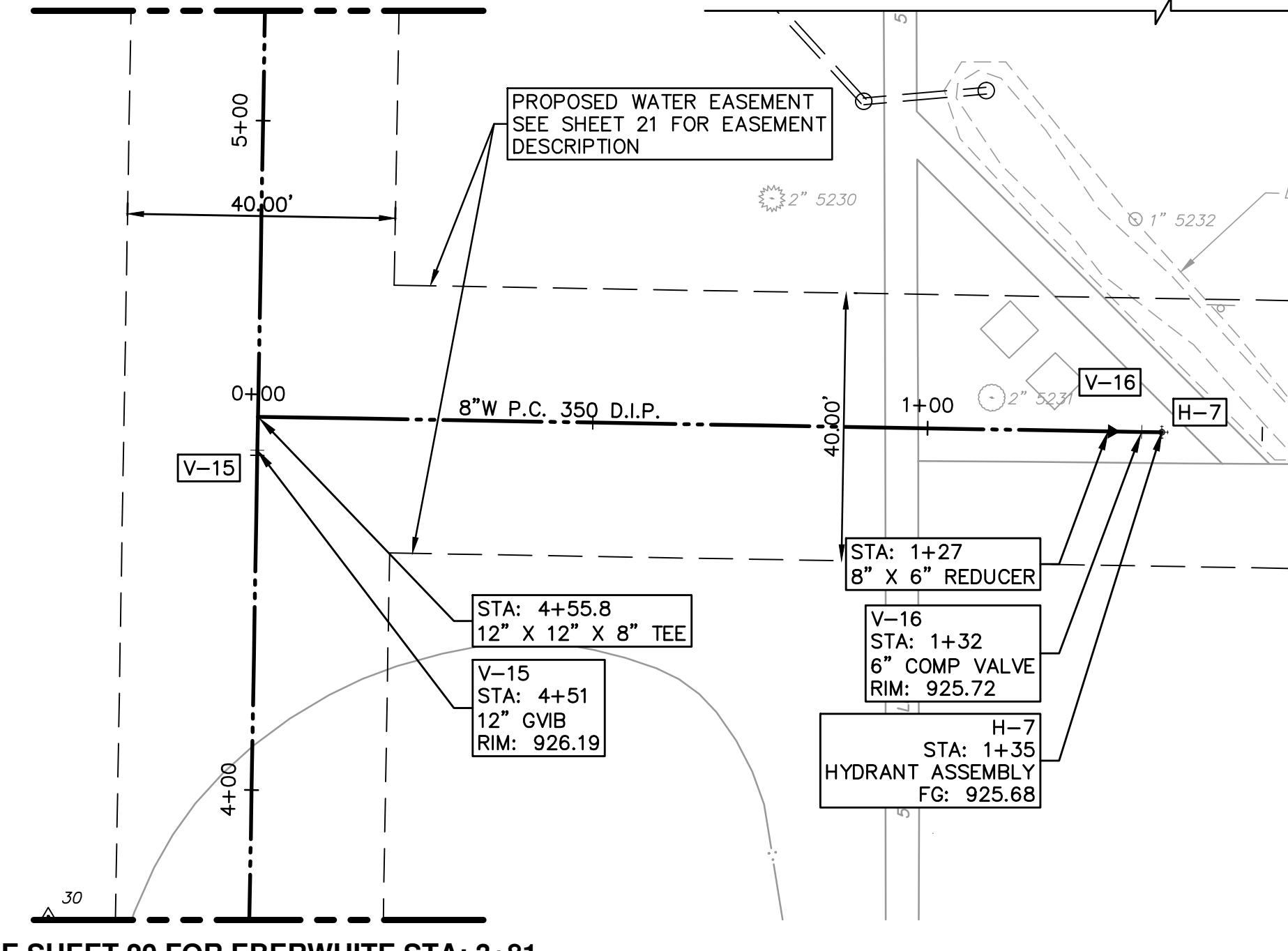
23 OF 30



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR					
<b>HEWETT DR, RUSSELL RD, RUSSETT RD &amp; REDEEMER AVE WATER MAIN REPLACEMENT</b>					
WATER MAIN PLAN & PROFILE E					
HYDRANT LEADS H4 - H6, H9					
SCALE PLAN: 1" = 20'	PROFILE: 1" = 4"				
DRAWING No.					
2013034-24					
SHEET No.					
24 OF 30					



SEE SHEET 21 FOR EBERWHITE STA: 5+16

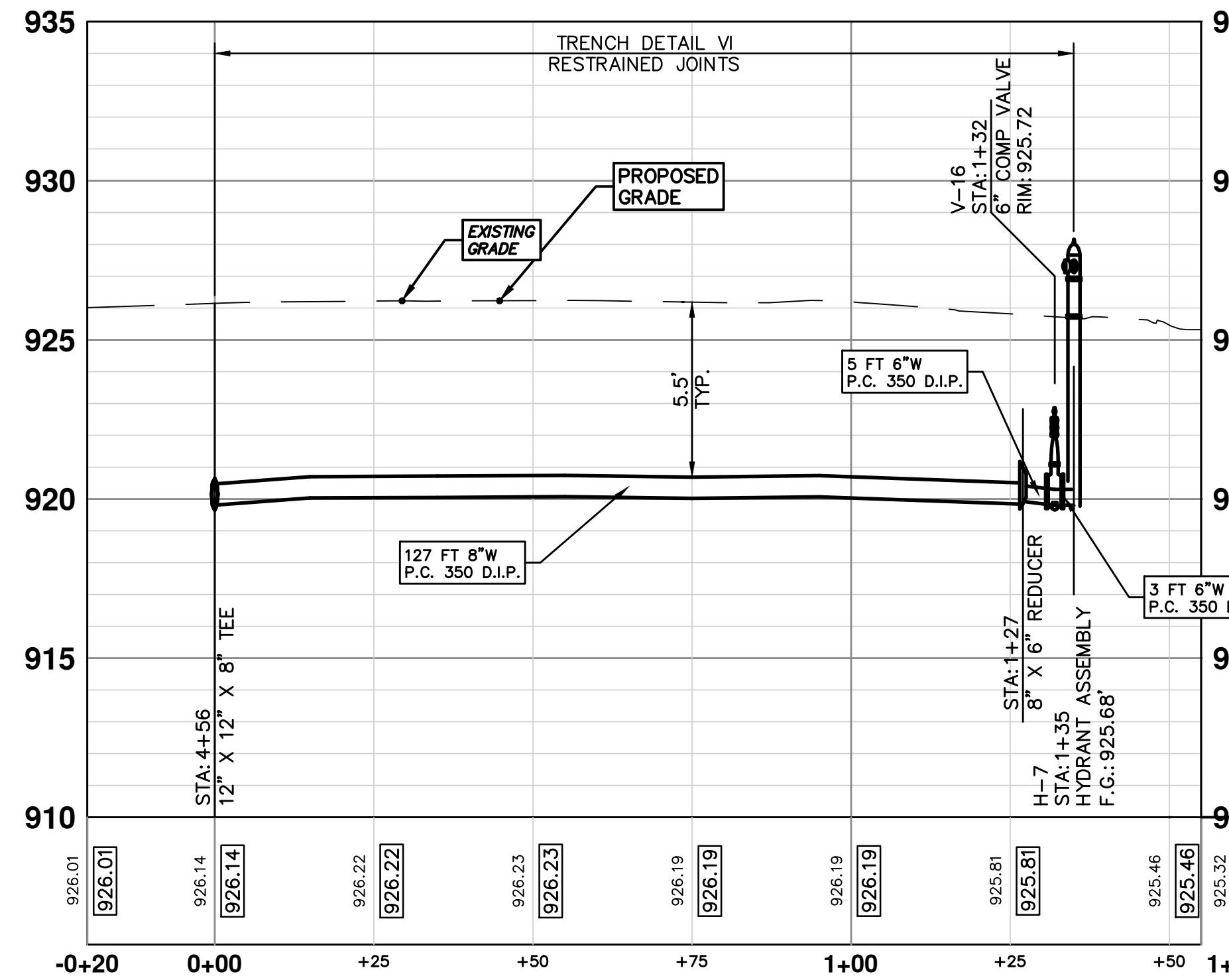


SEE SHEET 20 FOR EBERWHITE STA: 3+81

WATER MAIN STRUCTURE TABLE					
STRUCTURE	TYPE	STATION	ALIGNMENT	RIM	DEPTH
H-7	HYDRANT ASSEMBLY	???	???	925.68	7.88
V-16	6" COMP VALVE	1+32	Eberwhite-Aux A	925.72	5.92
V-15	12" GVIB	4+51	Eberwhite	926.19	6.49

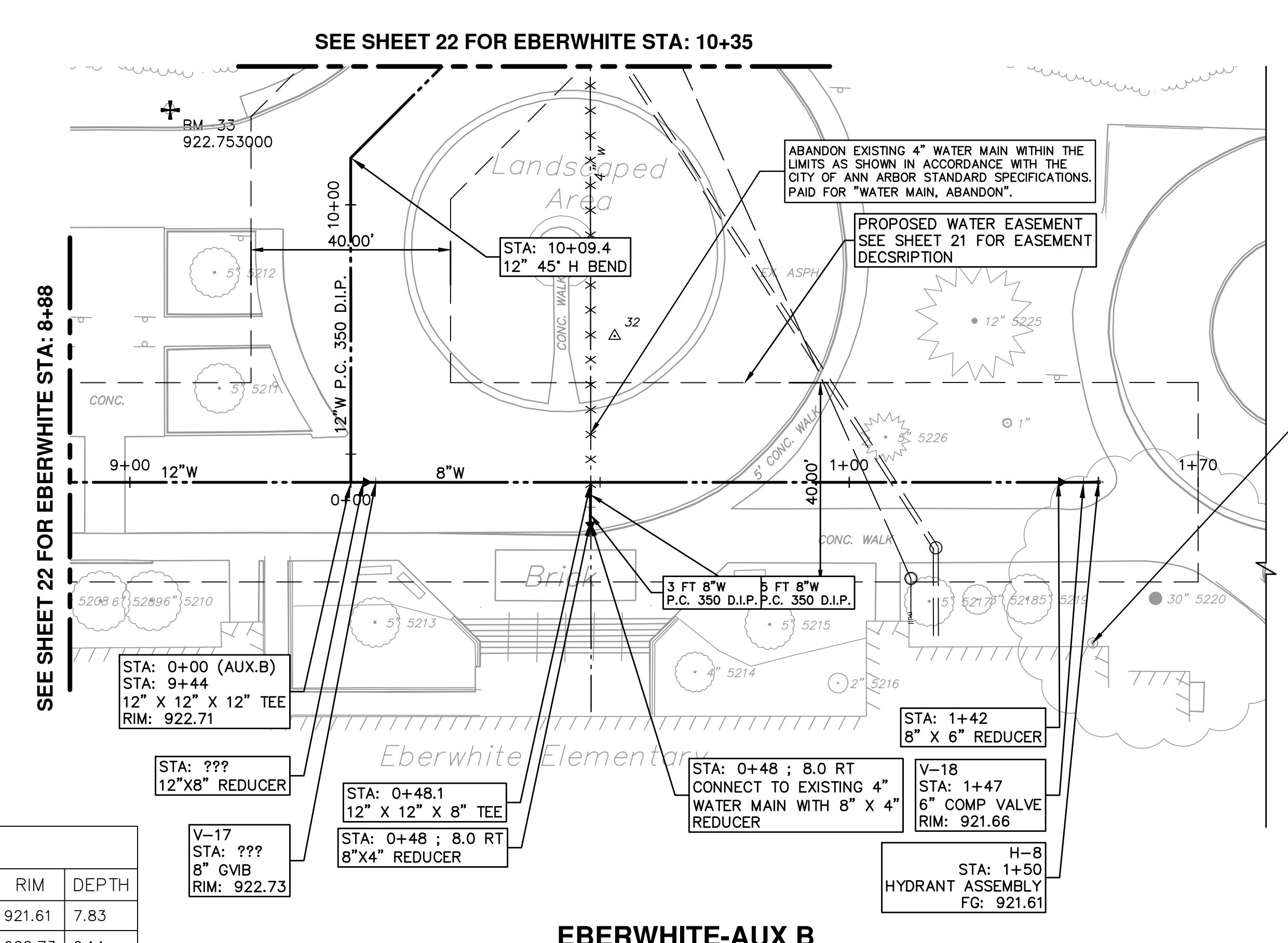
WATER MAIN STRUCTURE TABLE					
STRUCTURE	TYPE	STATION	ALIGNMENT	RIM	DEPTH
H-8	HYDRANT ASSEMBLY	???	???	921.61	7.83
V-17	8" GVIB	???	???	922.73	6.14
V-18	6" COMP VALVE	1+47	Eberwhite-Aux B	921.66	5.89

### EBERWHITE-AUX A

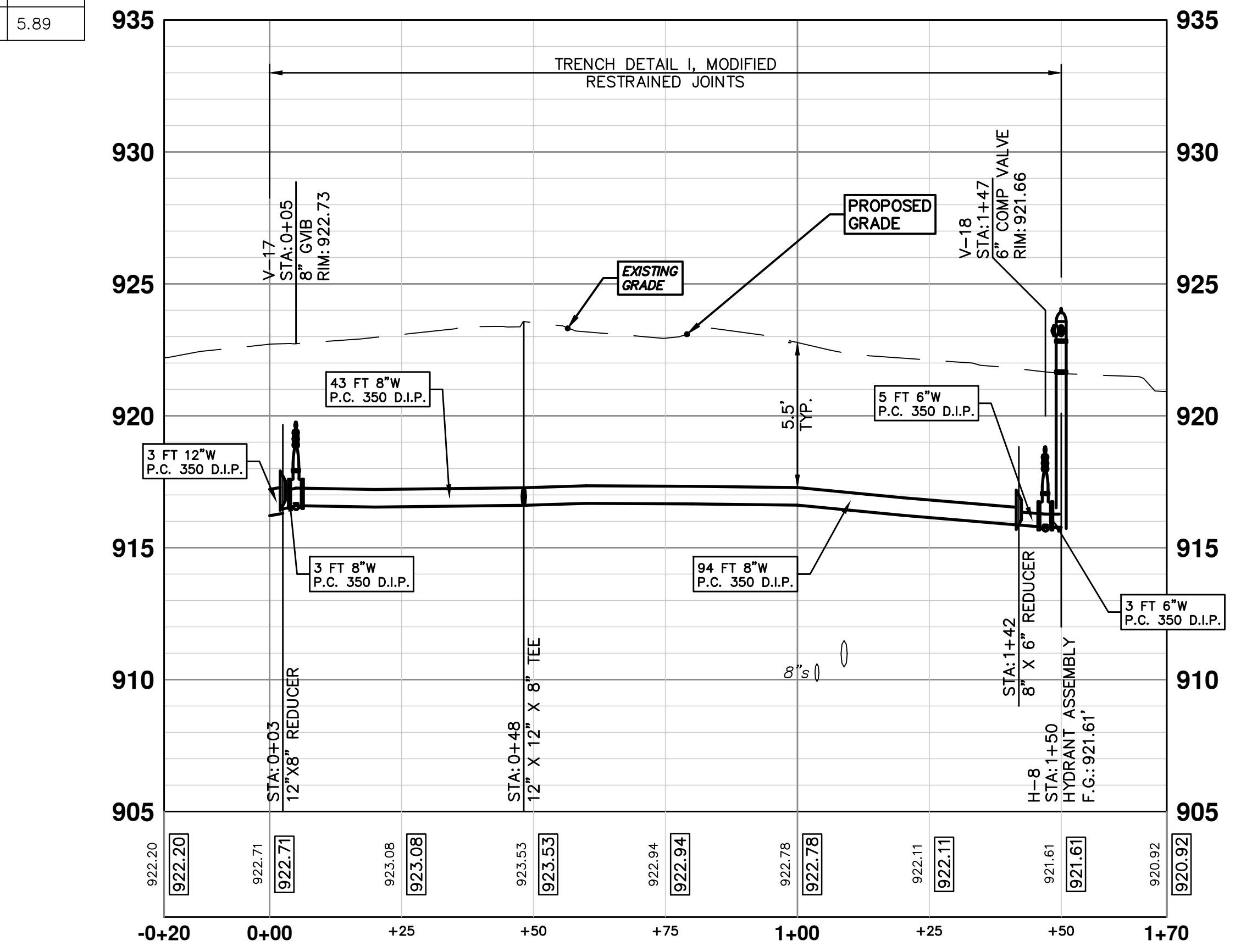


SEE SHEET 22 FOR EBERWHITE STA: 10+35

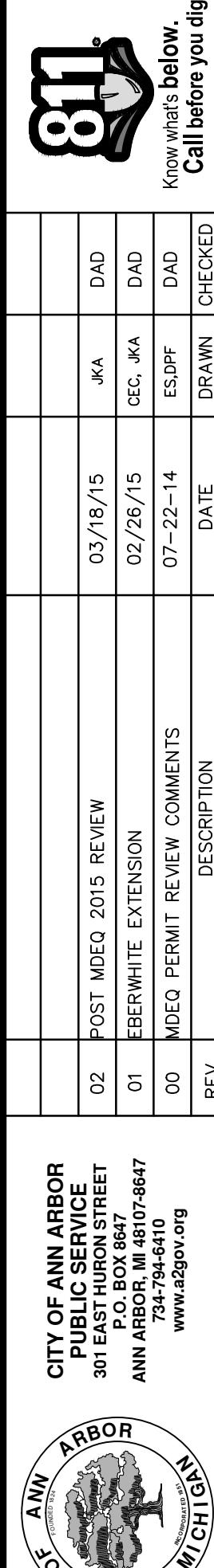
SEE SHEET 22 FOR EBERWHITE STA: 8+88



### EBERWHITE-AUX B



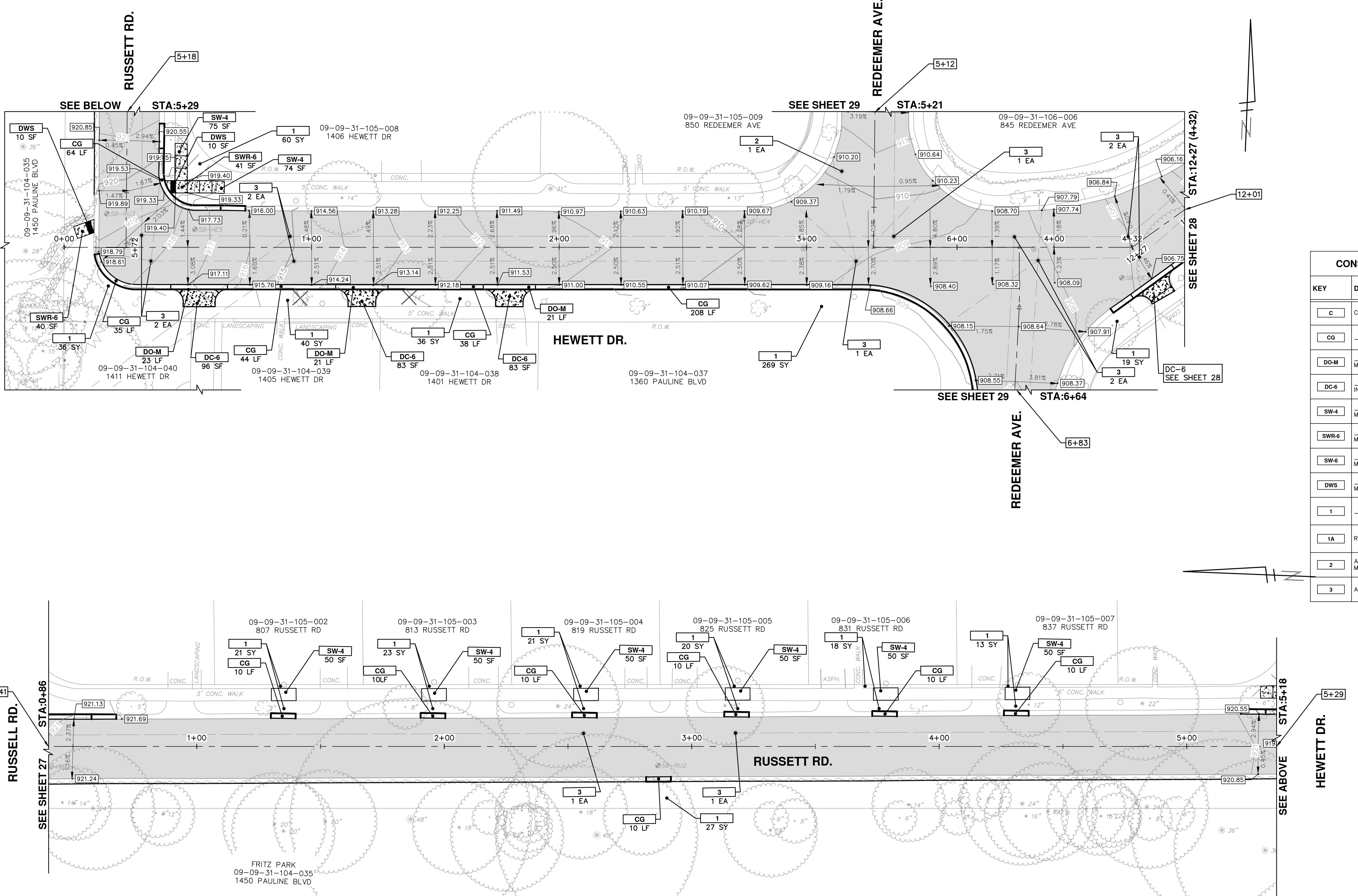
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
HEWETT DR, RUSSELL RD, RUSSETT RD &  
REDEEMER AVE WATER MAIN REPLACEMENT  
WATER MAIN PLAN & PROFILE  
EBERWHITE EXTENSION AUX 'A' & 'B'



SCALE/PLAN: 1" = 20'  
PROFILE: 1" = 4'  
DRAWING NO.  
2013034-25

SHEET NO.  
25 OF 30

811  
Know what's below.  
Call before you dig.



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**HEWETT DR, RUSSETT RD, RUSSETT RD & REDEEMER AVE WATER MAIN REPLACEMENT**  
**ROAD GRADING**  
**HEWETT STA: 0-00 TO 4+32 RUSSETT STA: 0-50 TO 5-50**

**811.**  
 Know what's below.  
 Call before you dig.

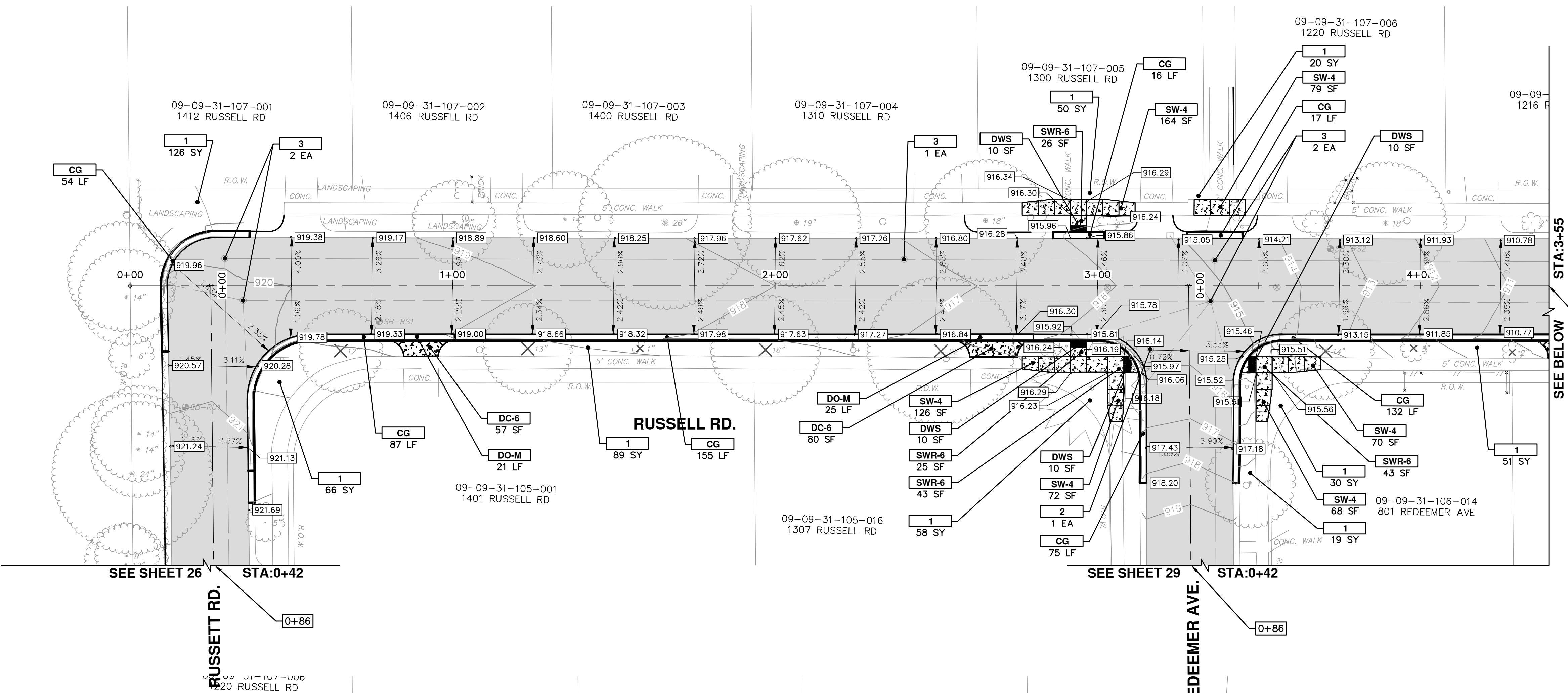
CITY OF ANN ARBOR  
 PUBLIC SERVICE  
 301 EAST FIFTH STREET  
 ANN ARBOR MI 48103  
 734-763-5610  
 www.811gov.org

**REV.**

**SCALE PLAN: 1" = 20'**  
**DRAWING No.**  
**2013034-26**

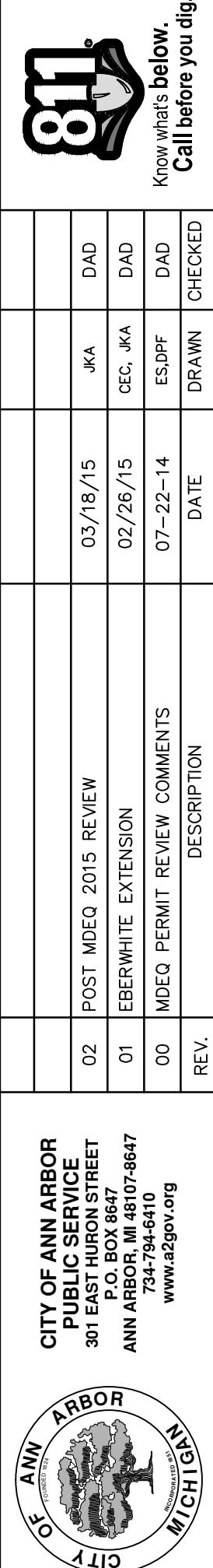
**SHEET No.**

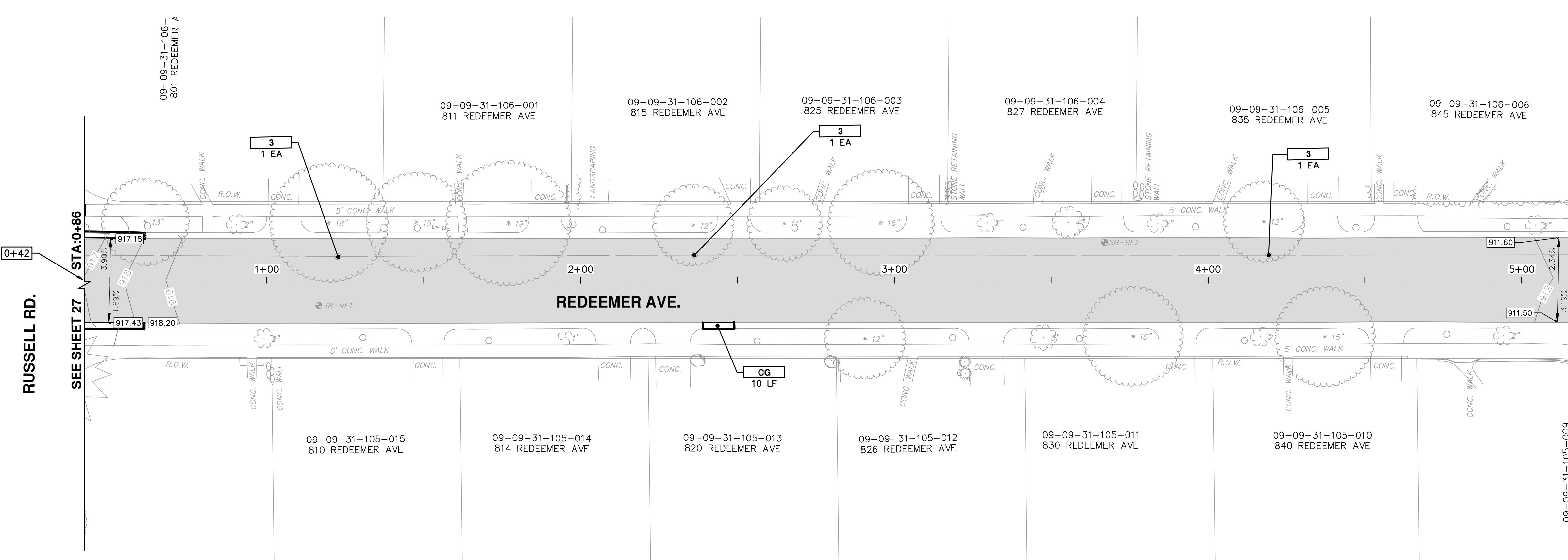
**26 OF 30**



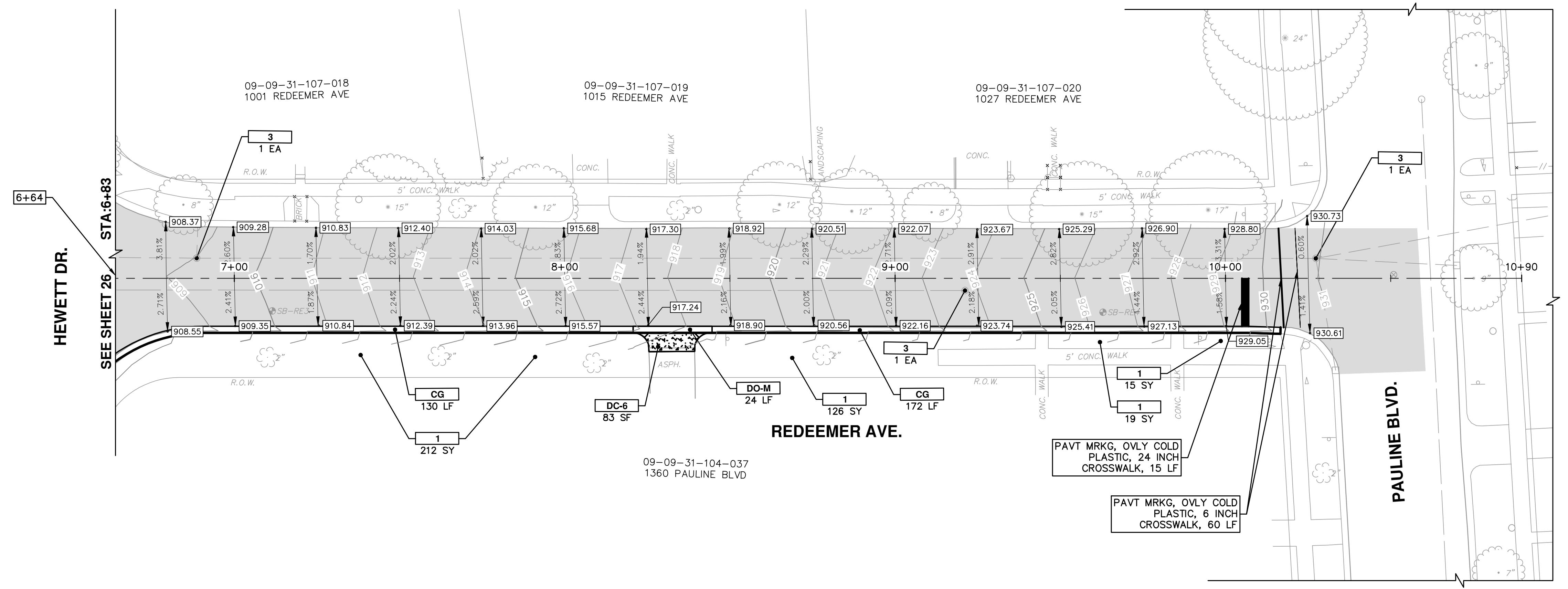
CONSTRUCTION KEY	
KEY	DESCRIPTION
C	CURB, CONC, DET E4
CG	CURB AND GUTTER, CONC
DO-M	DRIVeway, nonrein CONC, DET M, MODIFIED
DC-6	DRIVeway, nonrein CONC, 6 INCH, MODIFIED
SW-4	SIDEWALK, CONC, 4 INCH, MODIFIED
SWR-6	SIDEWALK RAMP, CONC, 6 INCH, MODIFIED
SW-6	SIDEWALK RAMP, CONC, 6 INCH, MODIFIED
DWS	DETECTABLE WARNING SURFACE, MODIFIED
1	SLOPE RESTORATION
1A	RESTORATION, BASEBALL FIELD
2	ADJUST GATE VALVE BOX, MONUMENT BOX, OR GAS BOX.
3	ADJUST STRUCTURE COVER

**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**HEWETT DR, RUSSETT RD, RUSSELL RD & REDEEMER AVE WATER MAIN REPLACEMENT**  
**ROAD GRADING**  
**RUSSELL STA: 0+00 TO 6+50**





CONSTRUCTION KEY	
KEY	DESCRIPTION
C	CURB, CONC, DET E4
CG	CURB AND GUTTER, CONC
DO-M	DRIVEWAY OPENING, CONC, DET M, MODIFIED
DC-6	DRIVEWAY, NONREINF CONC, 6 INCH, MODIFIED
SW-4	SIDEWALK, CONC, 4 INCH, MODIFIED
SWR-6	SIDEWALK, CONC, 6 INCH, MODIFIED
SW-6	SIDEWALK RAMP, CONC, 6 INCH, MODIFIED
DWS	DETECTABLE WARNING SURFACE, MODIFIED
1	SLOPE RESTORATION
1A	RESTORATION, BASEBALL FIELD
2	ADJUST GATE VALVE BOX, MONUMENT BOX, OR GAS BOX.
3	ADJUST STRUCTURE COVER

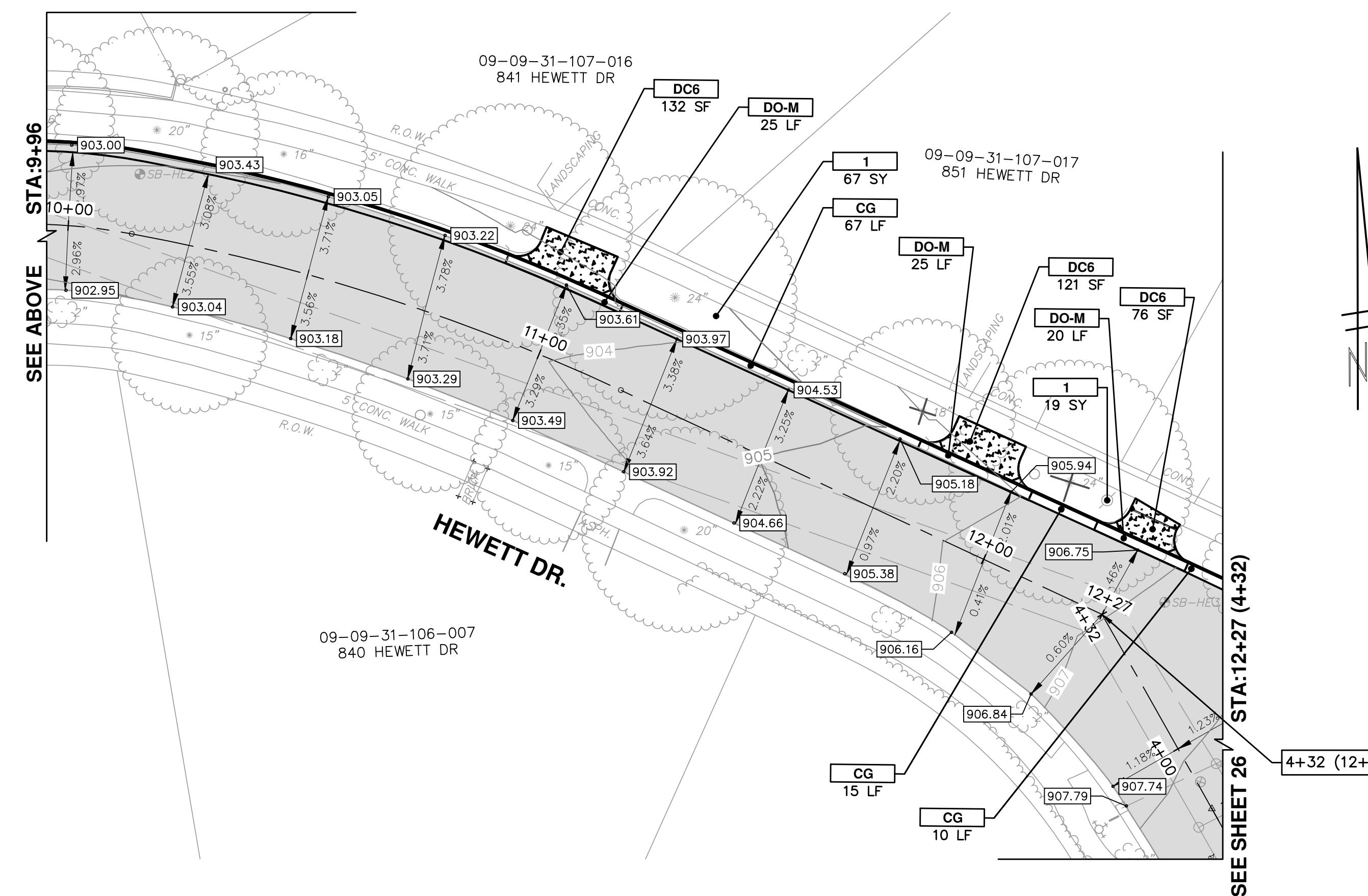
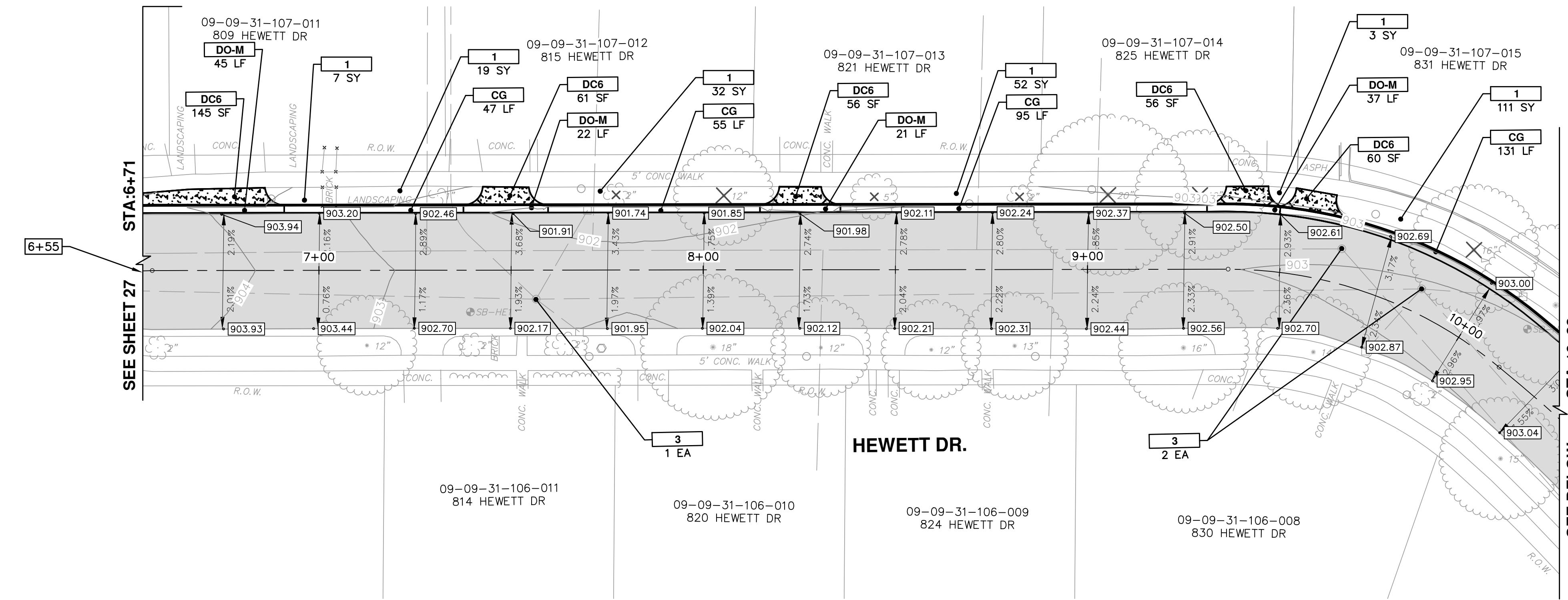


**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**HEWETT DR, RUSSELL RD, & REDEEMER AVE WATER MAIN REPLACEMENT**  
**ROAD GRADING**  
**REDEEMER STA:0+50 TO 10+50**

**811**  
 Know what's below.  
 Call before you dig.

CITY OF ANN ARBOR  
 PUBLIC SERVICE  
 301 EAST FIFTH STREET  
 ANN ARBOR MI 48103  
 734-763-5610  
 www.811gov.org

02	POST MODE 2015 REVIEW	03/18/15	JKA	DAD
01	EBERWHITE EXTENSION	02/26/15	CEC, JKA	DAD
00	MDE PERMIT REVIEW COMMENTS	07-22-14	ES, PDF	DAD
REV.	DESCRIPTION	DATE	DRAWN	CHECKED

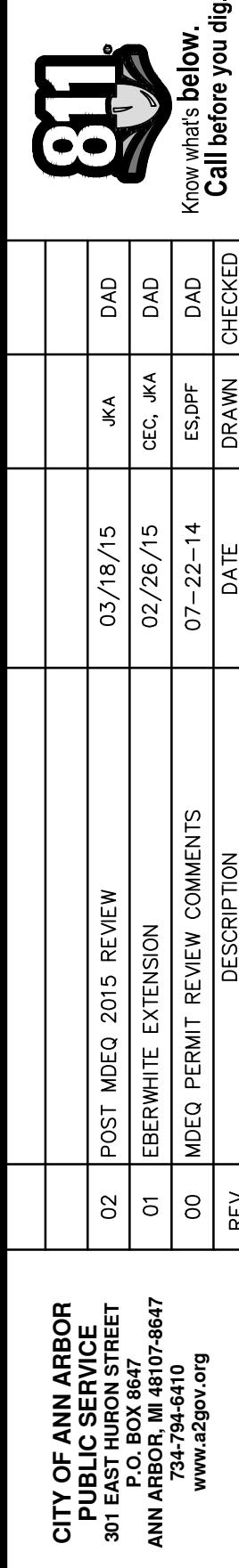


**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**

**HEWETT DR, RUSSELL RD, RUSSETT RD & REDEEMER AVE WATER MAIN REPLACEMENT**

**ROAD GRADING**

RUSSELL STA. 6+50 TO STA. 12+27



**811**  
Know what's below.  
Call before you dig.

KEY	DESCRIPTION
C	CURB, CONC, DET E4
CG	CURB AND GUTTER, CONC
DO-M	DRIVEWAY OPENING, CONC, DET M, MODIFIED
DC-6	DRIVeway, NONREINF CONC, 6 INCH, MODIFIED
SW-4	SIDEWALK, CONC, 4 INCH, MODIFIED
SWR-6	SIDEWALK, CONC, 6 INCH, MODIFIED
SW-6	SIDEWALK RAMP, CONC, 6 INCH, MODIFIED
DWS	DETECTABLE WARNING SURFACE, MODIFIED
1	SLOPE RESTORATION
1A	RESTORATION, BASEBALL FIELD
2	ADJUST GATE VALVE BOX, MONUMENT BOX, OR GAS BOX.
3	ADJUST STRUCTURE COVER

02 POST MODEQ 2015 REVIEW  
01 EBWHITE EXTENSION  
00 MDQ PERMIT REVIEW COMMENTS

03/18/15 JKA  
02/26/15 CEC, JKA  
07-22-14 ES,DPF  
DRAWN CHECKED

02/26/15 DAD  
07-22-14 DAD  
DATE DRAWN DATE

REV. REV.

SCALE PLAN: #####  
DRAWING No. 2013034-28  
SHEET No. 28 OF 30

