

CITY OF ANN ARBOR PROJECT MANAGEMENT

FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST

STANDARD SPECIFICATIONS, IT'S DETAILS, WHICH ARE INCLUDED BY REFERENCE, AND THIS PROJECT'S CONTRACT DOCUMENTS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR

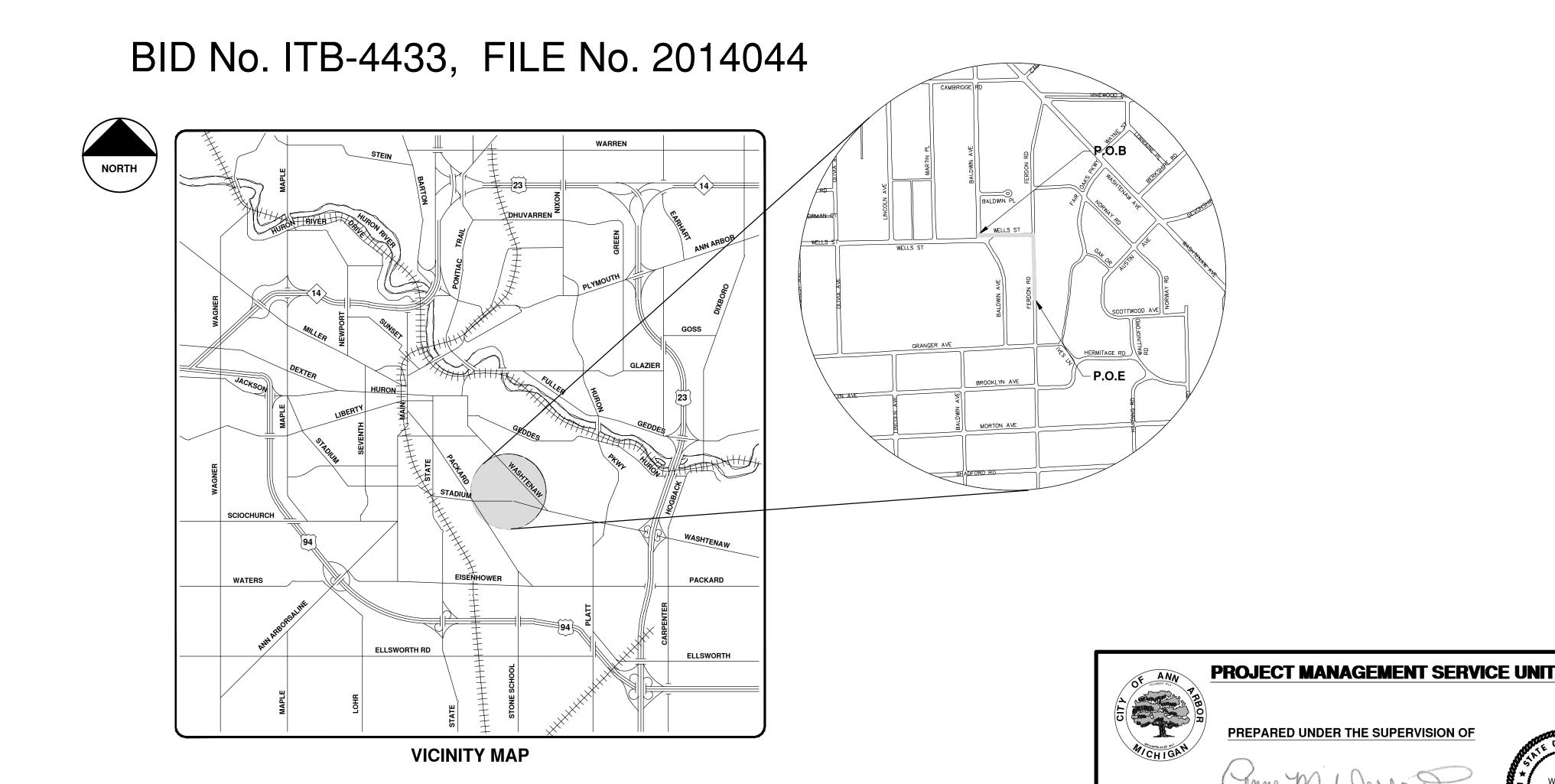
ANNE WARROW, P.E. - MI LICENSE No. 48239

3/23/2016

PROJECT MANAGEF

FERDON WELLS STORM SEWER REHABILITATION PROJECT

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	SANITARY SEWER STRUCTURE TABLE								
STRUCTURE	STATION	RIM	DEPTH	DIA.	TYPE	INVERTS	NOTES		
71-69029	0+08 -6'(LT)	860.19	8.75	48	4' MH	8" E 851.44			
71-69050	8+60 -75' (LT)	879.10	6.90	48	4' MH	8" S 872.20			
71-69051	8+59 250' (RT)	876.59	6.50	48	4' MH	8" N 870.09			
71-69053	5+90 226' (RT)	865.12	10.20	48	4' MH	8" NW 854.92			
71-69054	4+78 45' (RT)	862.41	8.20	48	4' MH	8" SE 854.21 8" W 854.21			
71-69055	3+61 6'(RT)	861.02	6.95	48	4' MH	8" E 854.12 8" N 854.52 8" W 854.07			
71-69056	7+80 4'(RT)	875.92	7.40	48	4' MH	8" W 868.52			
71-69057	6+00 4'(RT)	864.86	8.70	48	4' MH	8" E 856.26 8" W 856.16			
71-69058	4+26 6'(RT)	861.25	6.30	48	4' MH	8" E 855.05 8" W 854.95	TO BE REMOVED		
71-69059	4+00 5'(RT)	860.92	5.90	48	4' MH	8" N 855.02 8" E 855.02 8" S 855.02			
71-69060	4+08 -336' (LT)	866.18	6.90	48	4' MH	8" S 859.28			

WATER MAIN STRUCTURE TABLE							
STRUCTURE	TYPE	STATION	RIM	DEPTH			
Structure — (87)	Ex Watr Hyd	3+90 -31' (LT)	861.04	5.75			
01-02193	Ex Watr GVIW	4+25 -4' (LT)	861.19	5.30			
01-00131	Ex Watr GVIW	4+83 19'(RT)	862.35	5.70			
02-04200	Ex Watr Hyd	8+33 -14' (LT)	878.04	5.75			
02-02194	Ex Watr GVIB	8+69 -6'(LT)	878.79	6.00			

	STORM SEWER STRUCTURE TABLE							
STRUCTURE	STATION	INVERT ELEVATION, SIZE & DIRECTION	TOP OF CASTING ELEVATION	DEPTH (Feet)	SIZE	APPLICATION/ CONSTRUCTION		
88-52831	2+88 3' RT	12" E 856.45	860.10	5.65	48" Dia.			
88-52832	3+84 -21' LT	12" SE 857.56	859.86	4.30	24" Dia.			
88-52833	4+03 -6' LT	12" NE 858.14	860.44	4.30	24" Dia.			
88-52834	4+42 -14' LT	12" W 858.40	860.90	4.50	24" Dia.			
88-52835	4+61 -11' LT	12" W 859.18	861.23	4.05	48" Dia.			
88-52836	5+14 23' RT	12" W 859.83	862.23	2.40	24" Dia.			
88-52837	3+55 15' RT	12" W 858.54	861.05	4.51	24" Dia.			
88-52982	10+64 14' RT	12" S 873.63	876.57	4.94	24" Dia.	REMOVE EXISTING STRUCTURE		
88-52983	10+63 -6' LT	12" SW 873.96	876.98	5.02	24" Dia.	REMOVE EXISTING STRUCTURE		
92-58314	3+55 0'	12" SE 855.14 12" NW 855.34 12" E 856.84 12" E 856.84 12" W 855.34 36" W 850.84 30" N 851.04	860.84	10.00	72" Dia.			
92-58315	0+00 0'	36" E 849.87	859.92	12.05	72" Dia.			
92-58316	10+66 O'RT	12" NE 872.68 24" E 868.48 24" W 868.43	877.08	8.65	48" Dia.	REMOVE EXISTING STRUCTURE		
92-58317	4+08 0'	30" S 851.95 12" SW 857.65 30" N 851.95 12" E 857.55 12" E 857.45	860.85	8.90	72" Dia.	REMOVE EXISTING STRUCTURE		
92-58323	3+55 175' RT	12" E 859.80 12" NW 858.80	864.10	5.30	48" Dia.			
Structure — (13)	5+74 171' RT	24" E 861.81 12" W 861.11	865.16	6.05	48" Dia.			
L		1						

(ISTING LEGEND			PROPOSED LEGEND		
FIRE HYDRANT		WATER MAIN	+ HYDRANT (PLAN)	w	WATER MAIN
GATE VALVE IN BOX	/-/-///-/-//-/-/	WATER MAIN ABANDONED	WATER GATE WELL		STORM SEWER
GATE VALVE IN WELL		STORM SEWER	▼ REDUCER	S	SANITARY SEWER
STOP BOX	//	STORM SEWER ABANDONED	WATER GATE VALVE	——F0————	FIBER OPTIC
WATER VAULT	<u>\$</u>	SANITARY SEWER		——Е	ELECTRICAL
WELL	///	SANITARY SEWER ABANDONED	W WATER VAULT		CENTERLINE OF DITCH
CATCH BASIN (SQ)	g	GAS MAIN	INLET		CENTERLINE OF ROAD
CATCH BASIN (RD)	— g (DEAD)—— —— —— —	GAS MAIN (DEAD)	DOUBLE INLET	////	FENCE
STORM MANHOLE		ELECTRICAL OVER HEAD	INLET JUNCTION CHAMBER	:::	GRAVEL
NON-CURB CATCH BASIN (SQ)		ELECTRICAL UNDER GROUND	ROUND CATCH BASIN		SILT FENCE
END SECTION	e duct bank	ELECTRICAL DUCT BANK	STORM MANHOLE		PROTECTIVE FENCE
SANITARY MANHOLE	· oht ·	TELEPHONE OVER HEAD	DRAIN ARROW	. • • • • • • •	GUARDRAIL
CLEAN-OUT		TELEPHONE UNDER GROUND	FLARED END SECTION		LOT/UNIT
POST	t duct bank		SANITARY MANHOLE		CURB
PEDESTRIAN SIGNAL		TELEPHONE DUCT BANK	© CLEAN-OUT		TEMPORARY GRADING PERMIT
SIGN	ohtv	CABLE TV OVER HEAD	● BARREL	800 <i></i>	CONTOUR MAJOR
HAND HOLE		CABLE TV UNDER GROUND	⊸ SIGN	799	CONTOUR MINOR
ORNAMENTAL LIGHT	fo	FIBER OPTIC	PUSH BUTTON		WATER EASMENT
FLOOD LIGHT	fo duct bank	FIBER OPTIC DUCT BANK	HAND HOLE		STORM EASEMENT
UNKNOWN MANHOLE		BOUNDARY			SANITARY EASEMENT
TELEPHONE MANHOLE		BUILDING			R.O.W.
TELEPHONE RISER		CENTERLINE OF DITCH			LIMITS OF CONSTRUCTION
GAS VALVE		CENTERLINE/CROWN OF ROAD			LIMIT OF GRADING
GAS VENT		CONTOUR MAJOR		احالحالحالحالحالحالحالحالحال	STONE WALL
GAS BOX	<i>799</i>	CONTOUR MINOR			STONE WALL
ELECTRICAL RISER		EDGE OF WATER		### 000 000 000 000 000 000 000 000 000	DETECTABLE WARNING
TRANSFORMER		FLOODPLAIN			
UTILITY POLE		FENCE			ASPHALT
LAMP POLE	//////	FENCE			
GUY ANCHOR		GRAVEL			CONCRETE
GUY POLE		GUARDRAIL			
MONITORING WELL	000000000000000000000000000000000000000	STONE WALL		A. 4	SIDEWALK
MAILBOX		R.O.W.			
SOIL BORING		TREELINE			
TRAVERSE POINT		WETLAND			TREE (DECIDUOUS)
BENCH MARK		EDGE OF BRUSH			
IRON PIPE		HEDGE			
MON BOX				ZMZ	
MON BOX		TREE (DECIDUOUS)		Z. Z	TREE (CONIFEROUS)
		TREE (CONIFEROUS)			TREE TO BE REMOVED (DECIDUO
		SHRUB (DECIDUOUS)			TREE TO BE REMOVED (CONIFER
		STUMP			
	C	TREE TO REMAIN & PROTECT (DECIDUOUS) CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER	R BREAST HEIGHT (INCHES) X 10		STUMP TO BE REMOVED

TREE TO REMAIN & PROTECT (CONIFEROUS) CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREAST HEIGHT (INCHES) X 10 PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

SCALE: N/A

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

PRAWING NO.

LEGEND AND EXISTING STRUCTURE TABLES

LEGEND AND EXISTING STRUCTURE TABLES

CONSTRUCTION NOTES:

- DRIVEWAYS AND ENTRANCES TO BUILDINGS, REAL PROPERTY, AND THE LIKE SHALL NOT BE BLOCKED EXCEPT FOR SHORT DURATIONS AND ONLY WHEN APPROVED BY THE ENGINEER. VEHICULAR AND PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE 18. EXISTING STREET NAME, GUIDE, AND ALL NECESSARY DRIVEWAY CLOSURES WITH THE PROPERTY OWNER(S) AND RESIDENT(S) IN THE AREAS OF CONSTRUCTION.
- 2. THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND SERVICE LEADS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- 3. LOCATION AND DEPTH OF UTILITIES AS DEPICTED ON THE PLANS IS APPROXIMATE AND SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXCAVATE AHEAD AND ADJUST DEPTH OF CONFLICT UTILITIES ACCORDINGLY. ANY DAMAGE TO UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY TO AVOID AND/OR REPAIR AS NECESSARY.
- 4. THE CONTRACTOR IS TO TAKE SPECIAL CARE TO 20. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECT THE EXISTING WATER MAIN AND BE RESPONSIBLE FOR MAINTAINING CONSISTENT WATER SERVICE.
- 5. DURING NON-WORKING HOURS NO MORE THAN TEN (10) FEET OF TRENCH SHALL REMAIN OPEN; ANY OPEN TRENCH SHALL BE PROPERLY SECURED WITH PROTECTIVE FENCING. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "GENERAL CONDITIONS".
- 6. "NO PARKING" SIGNS SHALL BE INSTALLED BY THE CONTRACTOR AT LOCATIONS AS APPROVED OR DIRECTED BY THE ENGINEER. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILED SPECIFICATIONS.
- 7. POSTAL DELIVERY AND REFUSE PICKUP SERVICE SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- 8. WHERE STREET CURBS ARE UNDERMINED DUE TO CONSTRUCTION ACTIVITIES, THEY SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUOUS MAINTENANCE OF THE TEMPORARY ROAD SURFACE AND SOIL EROSION CONTROL MEASURES WITHIN THE CONSTRUCTION AREA UNTIL THE FULL COMPLETION OF THE PROJECT. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "GENERAL CONDITIONS".
- 10. ALL CURB, SIDEWALK, DRIVEWAY APPROACH REMOVALS SHALL BE APPROVED BY ENGINEER BEFORE THE WORK IS DONE.
- 11. SAWED SEWER PIPE CONNECTIONS SHALL BE COUPLED WITH A FERNCO FLEXIBLE COUPLING AND A STAINLESS STEEL SHEAR RING.
- 12. THE LOCATION OF MATERIAL STOCK PILES AND ON-SITE STAGING AREAS TO BE APPROVED BY THE ENGINEER.
- 13. FOR MAINLINE PAVING, THE WIDTH OF THE MAT FOR EACH PASS OF THE PAVER SHALL BE NOT LESS THAN 10.5' OR GREATER THAN 15'. AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL DIRECT THE LAYOUT OF THE LONGITUDINAL JOINTS DURING CONSTRUCTION.
- 14. ALL STRUCTURES SHALL RECEIVE NEW CASTINGS AS DIRECTED BY THE ENGINEER, AS SPECIFIED ON THE STANDARD CASTING SCHEDULE. THE EXISTING CASTINGS ARE THE PROPERTY OF THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL DELIVER TO CITY OF ANN ARBOR FIELD OPERATIONS AND MAINTENANCE FACILITY AT THE W.R. WHEELER SERVICE CENTER LOCATED AT 4251 STONE SCHOOL ROAD.
- 15. PAYMENT FOR DRAINAGE STRUCTURE SUMPS, WHERE SPECIFIED, SHALL BE INCLUDED IN THE PAYMENT FOR THE VARIOUS DRAINAGE STRUCTURE SIZES AND OR TYPES.
- 16. WHERE SEWER PIPES OF DIFFERENT MATERIALS ARE JOINED, FERNCO FLEXIBLE COUPLINGS WITH STAINLESS STEEL SHEAR RINGS SHALL BE USED. THE CONTRACTOR'S PURCHASE PRICE FOR THESE DEVICES, INCLUDING SHIPPING, SHALL BE PAID AS AN EXTRA. PRIOR TO PAYMENT FOR THIS ITEM, THE CONTRACTOR SHALL SUBMIT RECEIPTS FOR THE ENGINEER'S REVIEW AND APPROVAL. ALL OTHER COSTS ASSOCIATED WITH THE INSTALLATION OF THESE DEVICES SHALL BE INCLUDED IN THE PAYMENT FOR THE SEWER.

- 17. WHERE SEWER AND WATER MAIN ARE TO BE REMOVED & REPLACED OR ADDED. ALL PIPE SHALL BE INSTALLED USING TRENCH DETAIL DETAILED IN THE SPECIFICATIONS OR SHOWN ON PLANS. BACKFILL FOR SEWER AND WATER CONSTRUCTION SHALL BE MDOT GRANULAR MATERIAL, CLASS II, MODIFIED.
- REGULATORY SIGNS, AND MAILBOXES WHICH CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED PRIOR TO CONSTRUCTION. STORED IN A MANNER WHICH WILL PREVENT DAMAGE. AND RE-SET IN LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN "MINOR TRAFFIC CONTROL"
- 19. IN AREAS WHERE EDGE DRAIN CANNOT BE INSTALLED IN ACCORDANCE WITH CITY OF ANN ARBOR DETAIL SD-TD-11, THE EDGE DRAIN SHALL BE INSTALLED AT THE DEPTH AS INDICATED ON THE PLANS, OR AS DIRECTED BY ENGINEER. IN NO CASE SHALL THE EDGE DRAIN BE INSTALLED AT A GRADE LESS THAN 0.50% OR AT A DEPTH OF LESS THAN 2' BELOW TOP OF PROPOSED PAVEMENT.
- COORDINATING NECESSARY WATER MAIN SHUT OFFS. ALL RESIDENTS WITHIN THE AFFECTED AREA SHALL BE NOTIFIED 48 HOURS PRIOR TO THE SHUT DOWN.

SOIL EROSION & SEDIMENT CONTROL GENERAL NOTES:

NOTIFY THE CITY OF ANN ARBOR SOIL EROSION CONTROL OFFICE 48 HOURS PRIOR TO BEGINNING WORK ON THE PROJECT. PHONE: 734-794-6265.

- 1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN SOIL EROSION CONTROL MEASURES AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.
- 2. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, CITY ORDINANCE CHAPTER 63, CITY OF ANN ARBOR STANDARDS DIVISION VII, THE LAWS OF THE STATE OF MICHIGAN, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- 3. DAILY, OR AFTER ANY STORM EVENT, INSPECTIONS OF EROSION CONTROL MEASURES SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY, AND WITHOUT ADDITIONAL COST TO THE CITY OF ANN ARBOR.
- 4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, ROADWAYS OR WATERWAYS.
- 5. ALL MUD/DIRT TRACKED ONTO ROADWAYS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL PROVIDE AND OPERATE A VACUUM-TYPE STREET SWEEPER, AT NO ADDITIONAL COST TO THE CITY OF ANN ARBOR, WITHIN FOUR (4) HOURS OF BEING SO ORDERED.
- 6. RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE PERFORMED WITHIN FIVE (5) DAYS OF THE COMPLETION OF FINAL GRADE.
- 7. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.
- 8. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
- 9. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR DUST PALLATIVE AS REQUIRED.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.
- 11. THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.
- 12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

1. THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER, A SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION CONTROL MEASURES FOR REVIEW, COMMENT AND APPROVAL. THIS SCHEDULE IS TO INCLUDE INSPECTION AND REPAIR OF ALL TEMPORARY EROSION CONTROL MEASURES DAILY AND WITHIN 24 HOURS OF A STORM EVENT.

SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS INSTALL SILT FENCE, TREE PROTECTION FENCING, AND INLET FILTERS ON EXISTING DRAINAGE FEATURES PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.

- 1.2. STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.
- 1.3. INSTALL STORM SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.
- 1.4. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY
- 1.5. COMPLETE ALL GRADING AND FINE GRADING.
- 1.6. TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- 1.7. CLEAN OUT STORM SEWER SYSTEMS.
- 1.8. REMOVE ALL TEMPORARY SOIL EROSION CONTROL MEASURES UPON FINAL INSPECTION AND APPROVAL BY THE ENGINEER.
- 1.9. REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.

NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT, AND APPROVAL.

TEMPORARY SEEDING:

- 1. SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.
- 2. ANY DISTURBED AREA NOT PAVED, SEEDED, MULCHED, SODDED OR BUILT UPON BY NOVEMBER 15TH OR JUNE 30TH IS TO BE TEMPORARILY STABILIZED PER SPECIFICATIONS.

PERMITS REQUIRED TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE REGINNING OF CONSTRUCTION

ISSUING AUTHORITY
CITY OF ANN ARBOR PROJECT MANAGEMENT UNIT
CITY OF ANN ARBOR PROJECT MANAGEMENT UNIT
CITY OF ANN ARBOR CUSTOMER SERVICE
CITY OF ANN ARBOR CUSTOMER SERVICE

PUBLIC UTILITIES	OWNER	CONTACT
WATER		DAN WOODEN (734) 794-6350
SANITARY		MARK COZART (734) 794-6350
STORM	CITY OF ANN ARBOR FIELD OPERATIONS SERVICE UNIT W.R. WHEELER SERVICE CENTER	MATT WALDSMITH (734) 794-6350
FORESTRY	4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	
SIGNS SIGNALS STREET LIGHTS		
PRIVATE UTILITIES	OWNER	CONTACT
GAS	DTE ENERGY 3150 E. MICHIGAN AVE, YPSILANTI TOWNSHIP, MI 48198	ROBERT CZAPIEWSK (734) 544–7818
ELECTRIC	DTE ENERGY WESTERN WAYNE SERVICE CENTER 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	CLAY COMBEE (734) 397-4112
CABLE	COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034	RON SUTHERLAND (313) 999-8300
PHONE	AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103	(734) 996–2135
FIBER OPTIC	MCI 2800 N. GLENFILLE ROAD RICHARDSON, TX 75082	DEAN BOYERS (972) 729-6016

BM#	ELEV	DESCRIPTION
1	864.37	RR spike in W face of utility pole on Baldwin. SE corner of Baldwin and Wells.
2	861.94	Cotton Gin spike in W face of utility pole on Bladwin. NE corner of Baldwin and Wells.
4	879.40	Cotton Gin spike in N face of utility pole on Ferdon. SW corner of Wells and Ferdon.
6	878.16	RR spike in E face of utiltiy pole on W side of Ferdon @ hse 1216

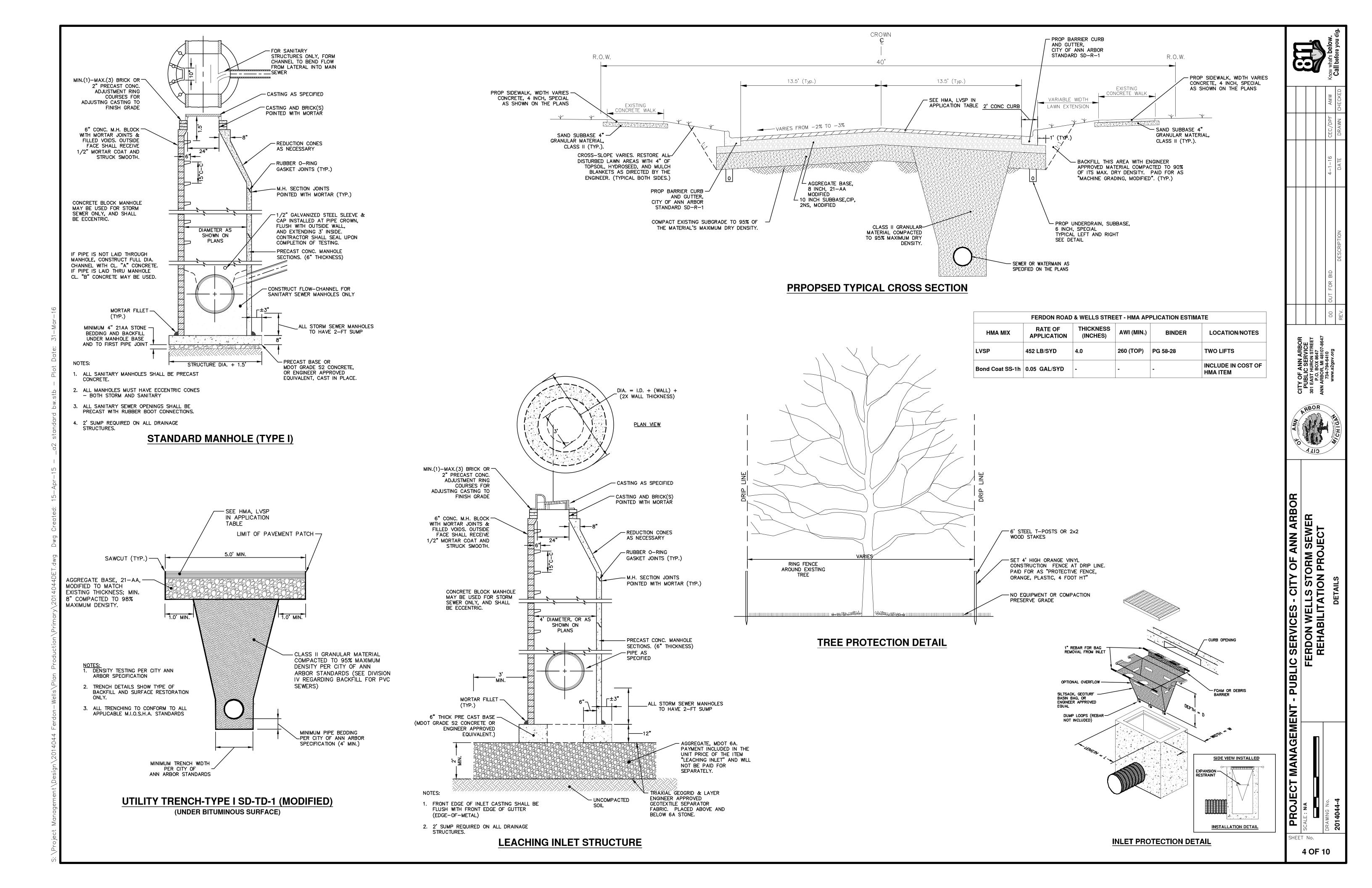
3BOR	TREET	77-8647	g OUT FOR BID	REV.
			OR BID	DESCRIPTION
			4-1-16	DATE
			CEC/DPF	DRAWN
			WWA	DRAWN CHECKED

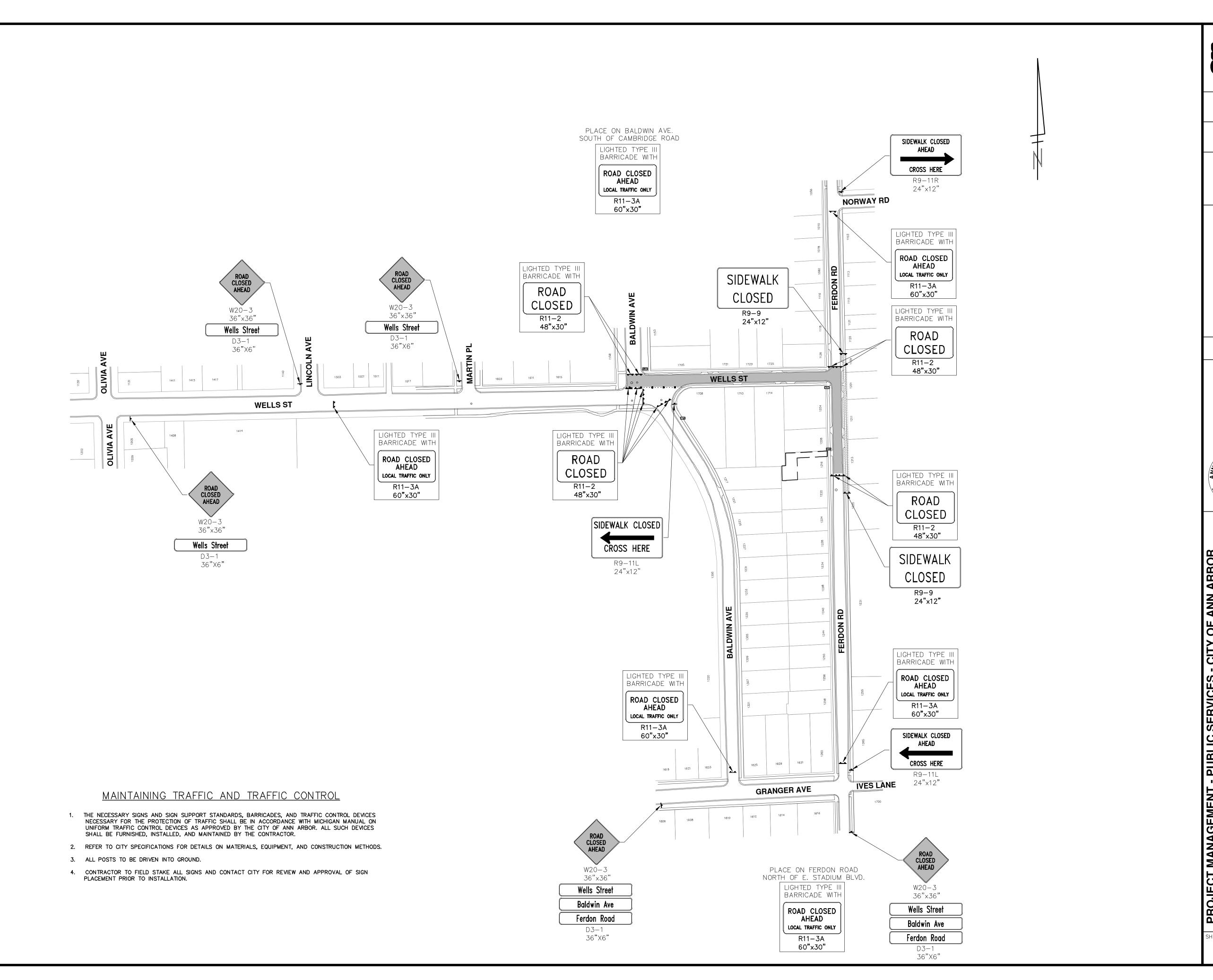
OF ANN A ORM SEWE

SERVICES - CITY (ERDON WELLS STOREHABILITATION FINALLS)

MANAGEM ROJECT

SHEET No.





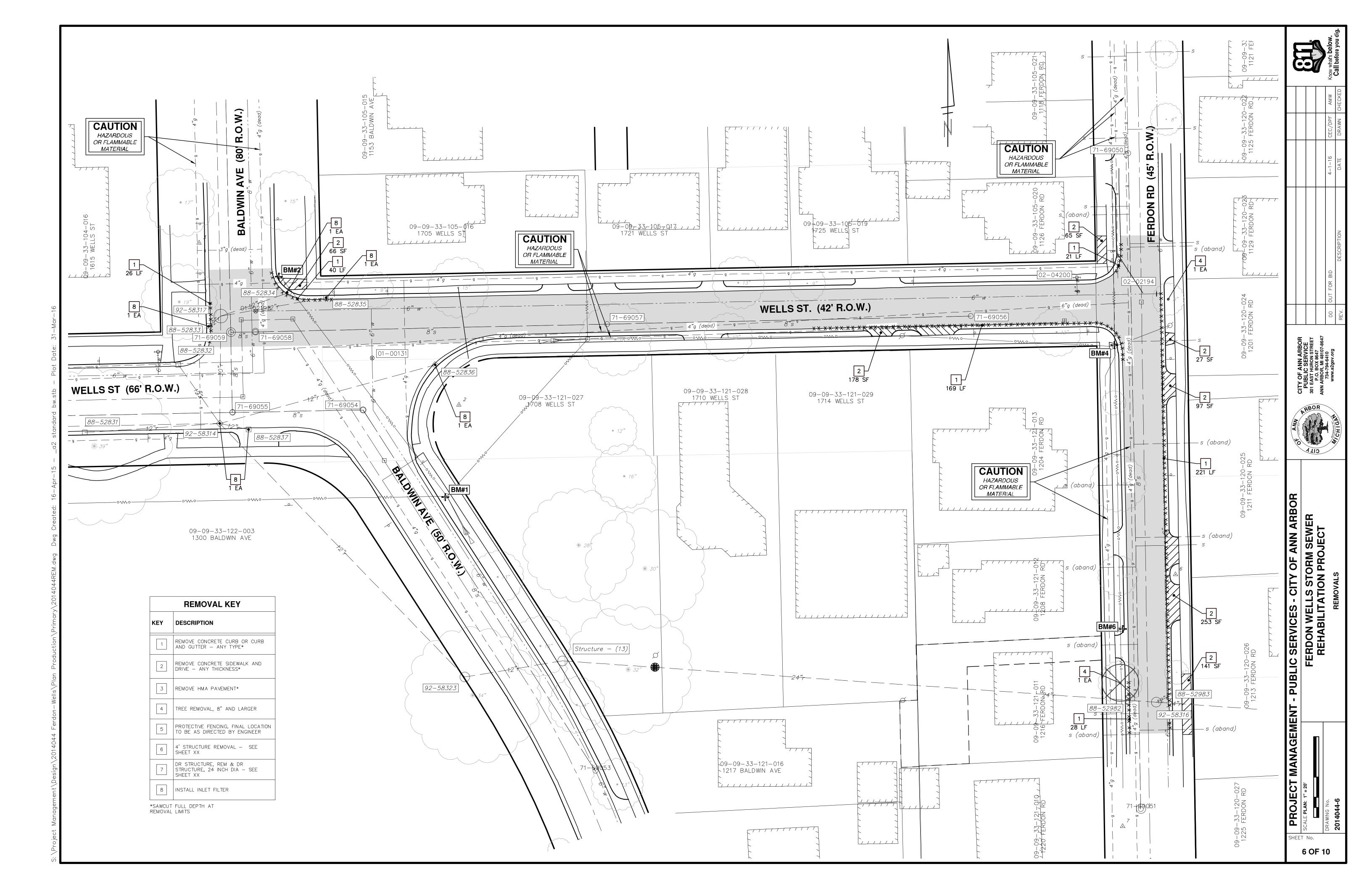
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

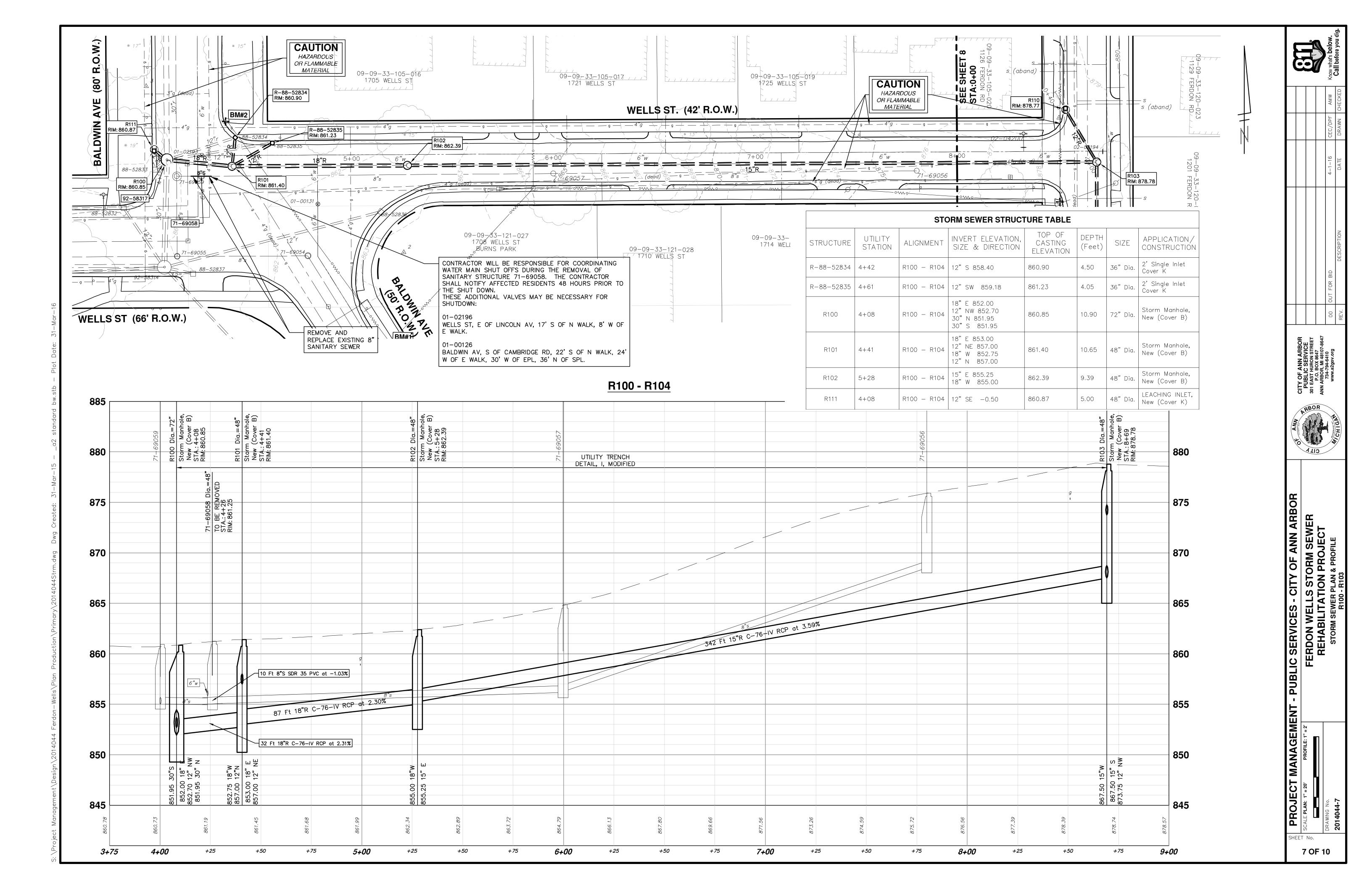
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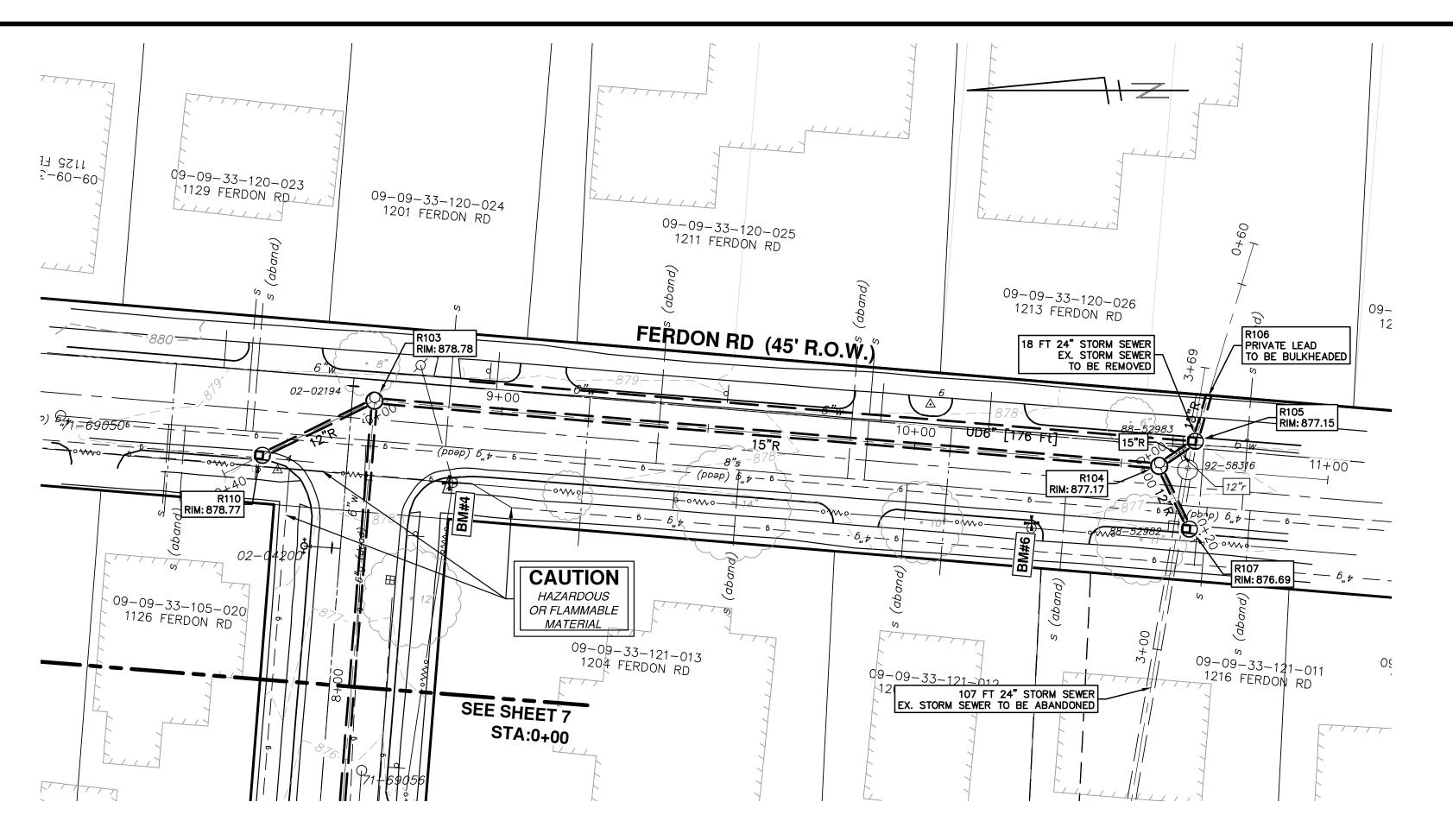
FERDON WELLS STORM SEWER

RAWING No.

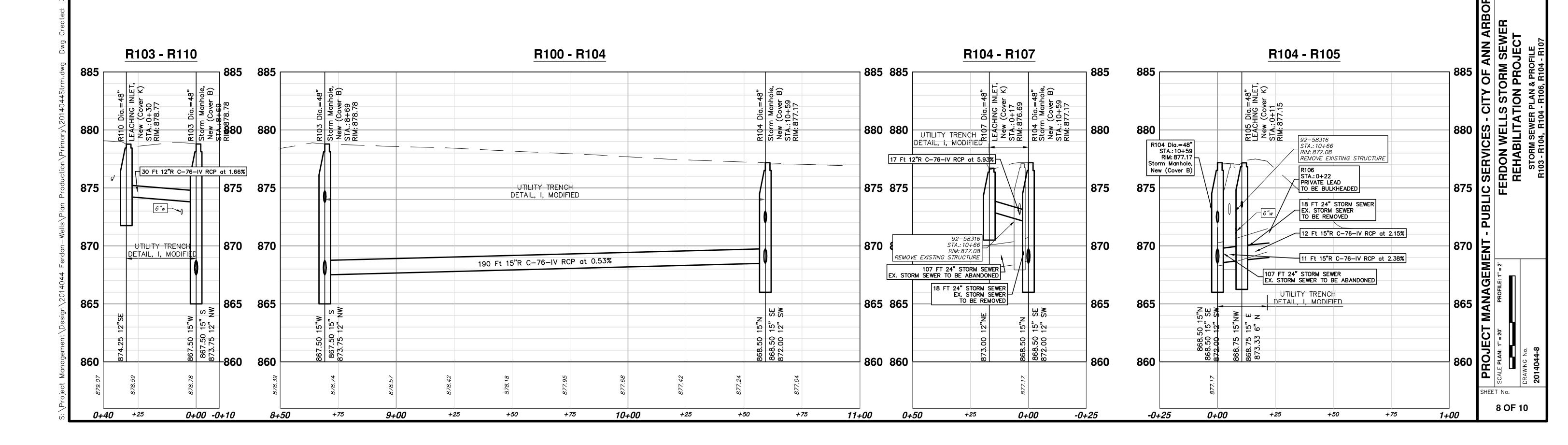
MAINTENANCE OF TRAFFIC

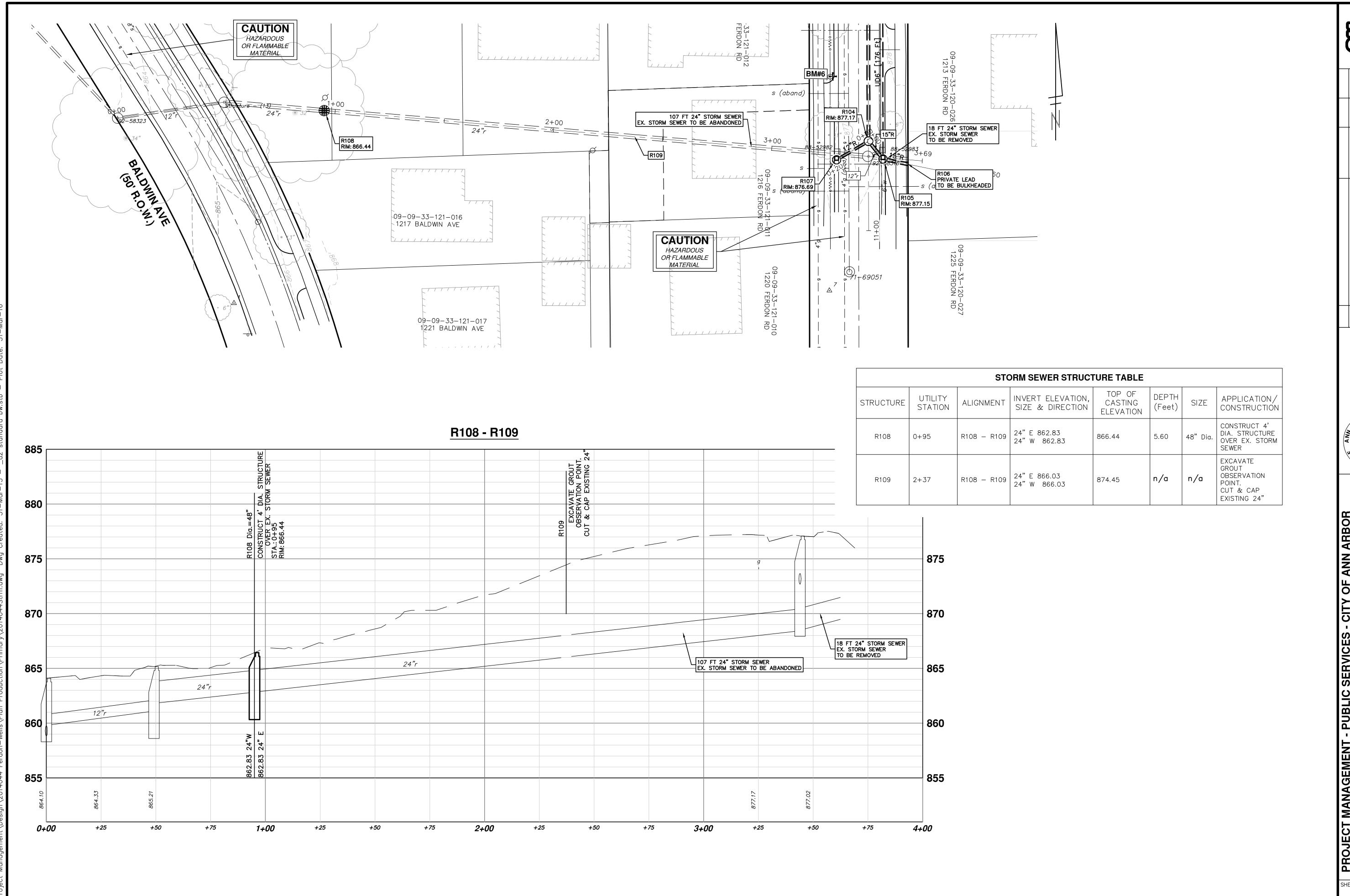






	STORM SEWER STRUCTURE TABLE								
STRUCTURE	UTILITY STATION	ALIGNMENT	INVERT ELEVATION, SIZE & DIRECTION	TOP OF CASTING ELEVATION	DEPTH (Feet)	SIZE	APPLICATION/ CONSTRUCTION		
R103	8+69	R100 — R104	15" S 867.50 12" NW 873.75 15" W 867.50	878.78	13.28	48" Dia.	Storm Manhole, New (Cover B)		
R104	10+59	R100 — R104	15" SE 868.50 12" SW 872.00 15" N 868.50	877.17	10.67	48" Dia.	Storm Manhole, New (Cover B)		
R105	0+11	R104 — R105	15" E 868.75 6" N 873.33 15" NW 868.75	877.15	10.40	48" Dia.	LEACHING INLET, New (Cover K)		
R107	0+17	R104 - R107	12" NE 873.00	876.69	5.69	48" Dia.	LEACHING INLET, New (Cover K)		
R110	0+30	R103 — R110	12" SE 874.25	878.77	6.52	48" Dia.	LEACHING INLET, New (Cover K)		





PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBC

SCALE PLAN: ###### PROFILE: 1" = 2

DRAWING No.

2014044-9

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBC

FERDON WELLS STORM SEWER

REHABILITATION PROJECT

STORM SEWER PLAN & PROFILE

R108 - R109

SHEET No.

