### ADDENDUM No. 1

### ITB No. 4626

### **2020 UTILITY IMPROVEMENTS**

### Bids Due: Tuesday, May 12, 2020 at 10:00AM (Local Time)

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto. **This Addendum includes twenty two (22) pages.** 

Bidder is to acknowledge receipt of this Addendum No. 1, including all attachments (if any) in its Bid by so indicating on page ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgment of receipt of this addendum may be considered nonconforming.

The following forms provided within the ITB document must be included in submitted bids:

- City of Ann Arbor Prevailing Wage Declaration of Compliance
- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

## <u>Bids that fail to provide these forms listed above upon bid opening may be rejected as</u> <u>non-responsive and may not be considered for award.</u>

### I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the Bid document which are outlined below are referenced to a page or Section in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

<u>Section/Page(s)</u>	<u>Change</u>
Plan Sheets	3 Pages – Sheets 8, 12, 13 revised as noted
As-Builts	3 Pages – Packard Rd utility drawings
Photo	1 Page – Huron St. lateral sewer
Soil Borings	6 Pages – Soil boring on South Blvd
BF-1 to BF-3	3 Pages – Items added for permits and hand patching
Bid Forms	Separate Excel File

### **II. QUESTIONS AND ANSWERS**

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the ITB. Bidders are directed to take note in their review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

- Question 1: Please confirm all pavement removal, aggregate base, and proposed pavement will be paid for separately and not included in the cost of utility construction.
- Answer 1: **Those items are paid separately.**
- Question 2: Will all survey layout and aggregate/density testing be performed by the city?
- Answer 2: Staking/Testing will be performed by the City/its consultant.
- Question 3: Is there any available soil boring information located in the vicinity of the South Boulevard/Packard Road intersection? If so, can they please be provided?
- Answer 3: A South Blvd boring is available and is included in Addendum #1.
- Question 4: Can the pre-construction video be performed for all of the streets at the same time/mobilization or do they need to be performed within two weeks prior to the start of each individual work area.
- Answer 4: Yes
- Question 5: Can you please clarify how the limits of payment for machine grading modified will be paid? Based on the measurement and payment subsection of the detailed specification it is to be measured along the road centerline which appears to be measurement by station instead of SY.
- Answer 5: Measurement is in SYD of road paving areas; not along centerline stationing.
- Question 6: Will the pavement removal, aggregate base and asphalt for the line stops be paid separately or are they to be included in the price of the line stop?
- Answer 6: **Pavement removal, Aggregate, and Asphalt will be paid separately. A hand**patching item has be added for this work.
- Question 7: Can consideration be given to make separate pay items for topsoil, seeding, mulch, and fertilizer instead of having it as a combined in the lump sum item of work, restoration special. Assumptions would have to be made by the contractor that could unnecessary increase the cost of the project for the owner
- Answer 7: The amount of grass restoration is minimal as the utility construction is generally within pavement areas. The bid item will remain as is.
- Question 8: Construction note 20 on plan sheet two states that a plumbing permit for the sanitary service leads are required. Please confirm the limits of the proposed sanitary sewer inspection that will be handled by the engineering department and that which will be handled by the building department. Will the contractor be responsible for the fees for will they be waived by the city. If the fees are to be paid by the contractor what are the costs for the permits.
- Answer 8: A permit fee allowance item has been added to the contract. Any permit costs to the contractor will be paid from this item.

- Question 9: Will filter fabric be required around the 6A bedding for the PVC sanitary?
- Answer 9: Yes, filter fabric will be required around the 6A bedding for the sewer installation to keep the different bedding and backfill materials separate. This has been clarified on the plan sheet detail.
- Question 10: Can flow rates please be provided on the sanitary sewer that is called to be bypass pumped? The flows are needed to correctly size bypass pumping necessary to facilitate the necessary construction? What item of work is the bypass pumping to be included in? Can a separate pay item be set up for by bass pumping?
- Answer 10: The bypass pumping rates are relatively low, and shall be included in the cost of the sanitary sewer pipe. The sewer serves only the houses on John Street. Approximate maximum peak flow is 15 gpm downstream of 315 John Street.
- Question 11: If the 6" lead to 315 John Street is considered a service will the City of Ann Arbor Service department be required to core the MH or will the contractor be allowed perform the tap?
- Answer 11: The contractor will be allowed to install the tap.
- Question 12: Will a doghouse structure be allowed for structure S1 on sheet 15 to maintain the existing services that are connected upstream from the proposed structure?
- Answer 12: The doghouse structure could be considered if the contractor wishes to pursue that method of construction. Details would need to be worked out with the construction engineer to ensure that the manhole is constructed properly.
- Question 13: Sanitary service for 617 S Fifth Ave (101+15) will need to be tied into as the proposed sewer installed. Please confirm air testing will not be required for this section.
- Answer 13: **Air testing will not be required.**
- Question 14: It is likely that the existing sanitary service leads for 335 and 339 John Street will have to be removed to install the proposed 8" sanitary sewer from S1 to S2. Will the contractor be allowed to tie-in as it is installed?
- Answer 14: Yes. Services may be tied in as construction proceeds.
- Question 15: Please confirm the sanitary air/televising/mandrill testing that will be required for this project.
- Answer 15: Air testing is not required. Cleaning/televising/mandrill testing are required.
- Question 16: The progress schedule allows for 14 calendar days to complete the work on John Street. Due to the nature of work, weather, testing, inspection/coordination of sanitary services with the plumbing department, curing of concrete, coordination of subs, and abandonment the existing main I would anticipate more time is needed to complete the contract work. Can consideration be given to add an additional two weeks to facilitate proposed work?
- Answer 16: The Utility construction is to be completed in 14 days. All work including paving and restoration is to be completed by August 22.
- Question 17: Plan sheet 16 calls out 315 Johns driveway to be restored with 67 SYD of CON6-IC but is depicted as asphalt. Please clarify the desired restoration of the driveway.
- Answer 17: Driveways shall be repaved with 6-inches of concrete.

- Question 18: Please provide a typical section for 315 and 333 Johns street driveway depicting where the integral curb is to be installed.
- Answer 18: The integral curb will be placed adjacent to the 315 sidewalk and in the same location where removed on the east side of 333; as a 4-inch straight curb.
- Question 19: Please clarify if all of the proposed work is within a City of Ann Arbor ROW or easement and the contractor will not need individual agreements with home owners to access their property.
- Answer 19: All access agreements will be obtained by the City.
- Question 20: The progress schedule only allows for a 7 day closure/detour of Packard Road to perform pavement removal, water main installation, and road restoration/paving. Additional time will be needed to perform the proposed utility work and road restoration work (minimum additional 7 days).
- Answer 20: The contractor will need to schedule their operations to complete the work in 7 days. Consideration will be given to extending allowable work hours within the 7-day period, if necessary.
- Question 21: Please describe the envisioned sequence of work for the proposed 8" water main testing, water service transfers, and existing water main abandonment for the work on South Boulevard and Packard Street. Will pressure/bacteria testing be waived from V2 to 10+25? Are we to temporality tie-into the existing 4" water main prior to the Packard Street work to facilitate testing of the new main and service transfers west of the intersection of Packard/South Boulevard (Please consider moving V2 farther west). Will all of the proposed water main work in the Packard Road ROW be considered a tie-in?
- Answer 21: It is envisioned that the contractor would construct and test the water main on South Blvd up to V2; tie into the 4-inch water main; and transfer services. The contractor would then construct the water main in Packard Road as a tie-in, swabbing the pipe prior to installation. When completed, the new main would be completely connected, and the 4-inch main abandoned.
- Question 22: Field-Loc restrained joints are historically incidental to the installation of water main to restrain the pipe. How is item 402 to be measured for payment? If additional field loc restrained joints are installed due to vertical bends for sanitary leads or the dead line at South Boulevard will we be paid under this item of work?
- Answer 22: The plans identify the section of pipe including the work in Packard Road as needing restrained joints, and shall be paid as item 402. The other water main pay item 401 is for push on joints, and thrust blocks at bends. If the contractor requests and is allowed to use restrained joints in lieu of thrust blocks, this would still be paid at no additional cost, as item 401. This would be a field determination.
- Question 23: Is there any available as built information/televising of the existing 18" sanitary and 66" storm pipe located in Packard Street?
- Answer 23: As-built information of the existing 18" sanitary and 66" storm sewer pipes located in Packard Street is included in Addendum #1. We do not have of video of these pipes on record.
- Question 24: I believe Huron Street is within the MDOT ROW. Has a permit been issued for the proposed work? If not who will be responsible for the permits and fees if a DOT permit is required? What is the anticipated cost of the fee the contractor is to procure the permit if needed?
- Answer 24: A permit fee allowance item has been added to the contract. Any permit costs

### to the contractor will be paid from this item.

Question 25 Is there an Engineers Estimate?

Answer 25: **\$1,000,000** 

- Question 26: Is the contractor required to pull plumbing permit to connect to existing sanitary sewer leads? If yes will it be no cost to the contractor?
- Answer 26: The contractor shall pull plumbing permits. If there is any cost to the Contractor it will be paid from the permit allowance item.
- Question 27: Reviewing the work to be done on Huron St. We will be under the Rail Road Bridge and be inside the Rail Road ROW. Will we need a Rail Road ROW permit? Is there any other requirements? Will the City pick up any cost that occurs?
- Answer 27: It is not anticipated that a railroad permit will be required to work on the street. If a permit is required and there is any cost to the Contractor it will be paid from the permit allowance item.
- Question 28: Will the City specification for 21AA Limestone (less than 8% loss by wash) be enforced on this project?
- Answer 28: The 21AA will need to meet MDOT specifications.
- Question 29: Are pay items Sand Subbase Course CL II C.I.P, 21AA Limestone and 6A Crushed Limestone used for Undercut Backfill?
- Answer 29: Sand subbase is to be used under sidewalk. 6A crushed limestone is to be used on rear yard parking areas on John Street. 21AA is undercut backfill.
- Question 30: Can we have a pay item for Line Stop Rental?
- Answer 30: All costs shall be included in the contractor's price for item 290.
- Question 31: I assume the existing water main will be abandoned in place (without grout), unless otherwise specified on the plans, correct?
- Answer 31: The ends shall be grouted, but the pipe will not be flow filled.
- Question 32: What is the depth for the Cold Milling on John St?
- Answer 32: John Street will have HMA removal for sewer installation, followed by HMA removal for resurfacing. This has been clarified on the plan sheets. HMA removal is all paid as item 222. There is no cold milling.
- Question 33: Are we to place 8" of 21AA for aggregate base for the two alleyways? If so is the aggregate base paid for separately or is it part of the 6" Concrete with integral curb pay item?
- Answer 33: **21AA will be placed and paid separately.**
- Question 34: What is the size of the abandoned lateral to be bulk headed in Huron St?

Answer 34: It appears to be a 4-inch or 6-inch. A photograph of the lateral conflicting with the existing storm pipe is included in Addendum #1.

Question 35: What is the existing depth of HMA on Huron St?

Answer 35: **MDOT 2009 plans indicate approximately .5 Ft of HMA. It is not clear if that may be on concrete.** 

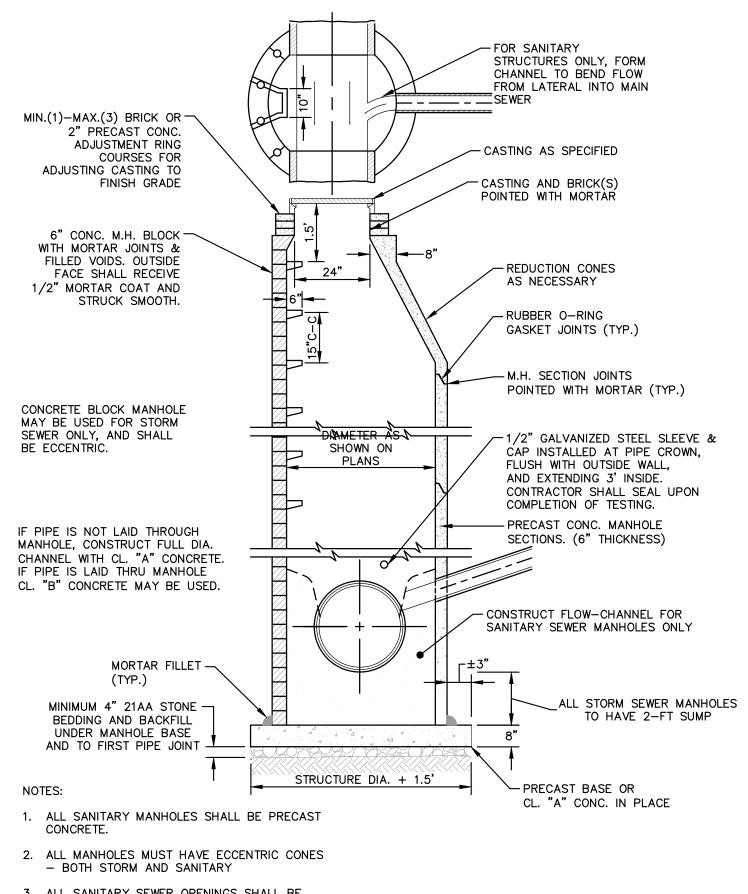
- Question 36: Where is pay item 223 HMA and Concrete Surface Removal located at on the plans? What is the depth of HMA and depth of Concrete Surface?
- Answer 36: HMA over Concrete may be found on Huron Street. If so, that and any other

project areas where HMA is found over concrete will also be paid as this item.

Question 37: Would it be possible to also provide an excel spreadsheet of the bid form to use.

Answer 37: Yes. An excel spreadsheet with items and quantities has been published with Addendum 1 as a separate Excel file. It shall be the contractor's responsibility to include any formulas necessary to extend unit prices and tabulate totals.

Bidders are responsible for any conclusions that they may draw from the information contained in the Addendum.



- 3. ALL SANITARY SEWER OPENINGS SHALL BE PRECAST WITH RUBBER BOOT CONNECTIONS.
- 4. 2' SUMP REQUIRED ON ALL DRAINAGE STRUCTURES.

## STANDARD MANHOLE (TYPE I)

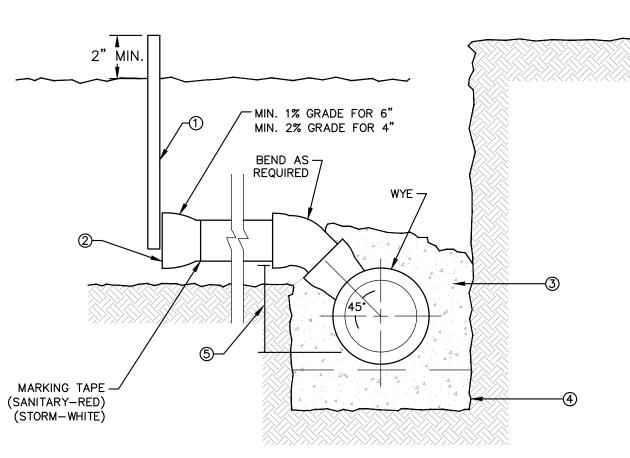
## **SEWER CONNECTION**

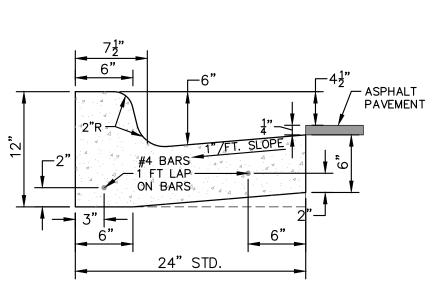


SET VERTICALLY.

2. CAP WITH SOLVENT WELDED CAP OR PLUG

TEE OR WYE NOT ENCASED)



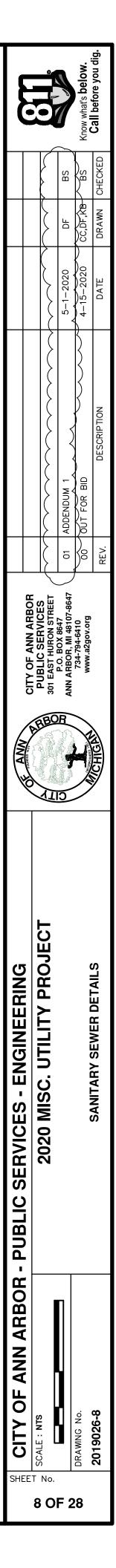


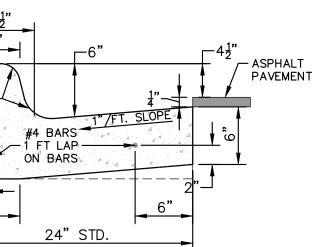
- 4. CLASS II GRANULAR MATERIAL, COMPACTED TO 95% MAXIMUM DENSITY PER CITY OF ANN ARBOR STANDARDS.
- 5. 8"x 4" TEE INVERT ADD 0.83' TO MAIN INVERT 8"x 6" TEE INVERT ADD 0.87' TO MAIN INVERT

1. MIN. 2" X 2" CEDAR TREATED LUMBER, MARKED (SANITARY-RED., STORM-WHITE),

3. CLASS "X" CONCRETE TO EXTEND MIN. 1.0' BEYOND TEE OR WYE JOINTS. (D.I.P.

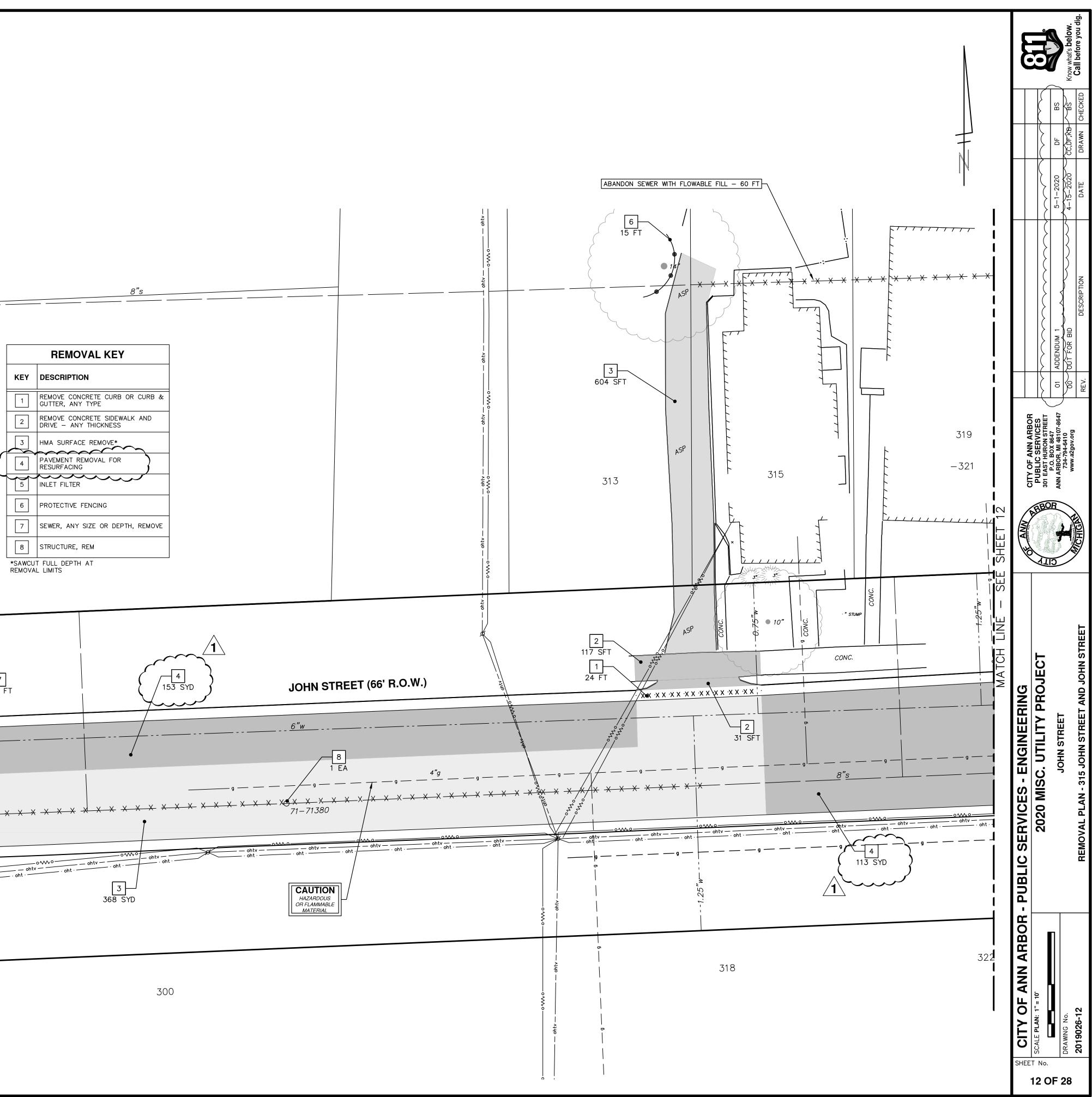
- HMA PAVEMENT SAWCUT PAVEMENT, FULL -AS SPECIFIED DEPTH, AT REMOVAL PAID SEPARATELY LIMITS (TYP.) PAID SEPARATELY AGGREGATE BASE, 8 INCH, 21-AA, MODIFIED. COMPACTED TO 98% OF THE MATERIAL'S MAXIMUM DRY DENSITY. PAID SEPARATELY TRENCH WIDTH TO -CONFORM TO M.I.O.S.H.A. - CLASS II GRANULAR MATERIAL COMPACTED TO 95% MAXIMUM STANDARDS (TYP) DENSITY PER CITY OF ANN ARBOR STANDARDS. GEOTEXTILE SEPARATOR -FABRIC WRAPPING AROUND SANITARY SEWER OR ALL SIDES OF TRENCH SANITARY SEWER LEAD, (PAYMENT INCLUDED IN AS SPECIFIED ON PLANS. PIPE PAY ITEM) PIPE BEDDING COARSE AGGREGATE, PER CITY OF ANN ARBOR MDOT 6A STONE SPECIFICATION (4" MINIMUM, EACH SIDE, AT PIPE BELL) TRENCH WIDTH PER CITY OF ANN ARBOR SPECIFICATIONS (6" MINIMUM, EACH SIDE, OF PIPE BARREL) **TRENCH DETAIL - TYPE I,** SD-TD-1, MODIFIED

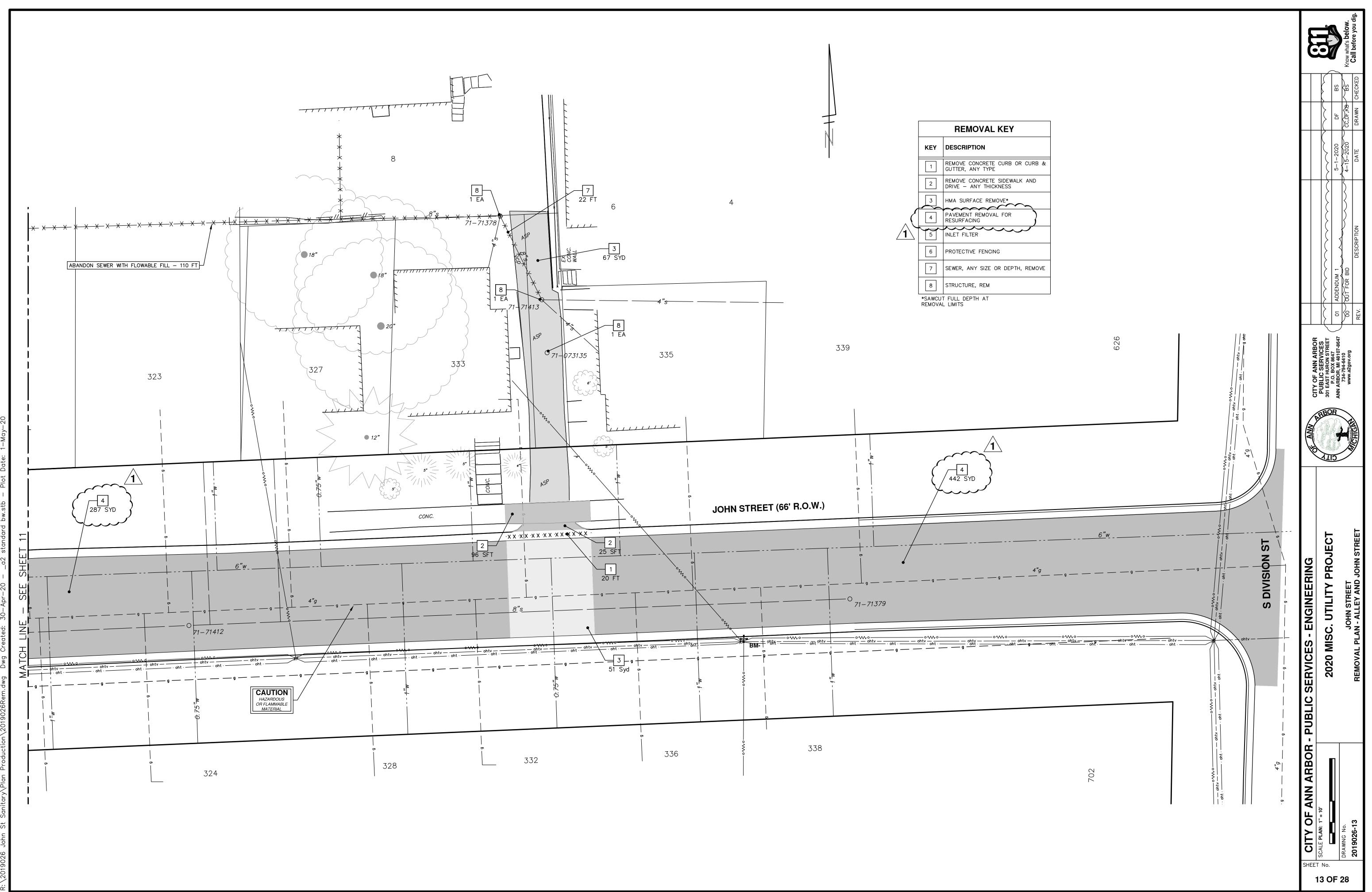


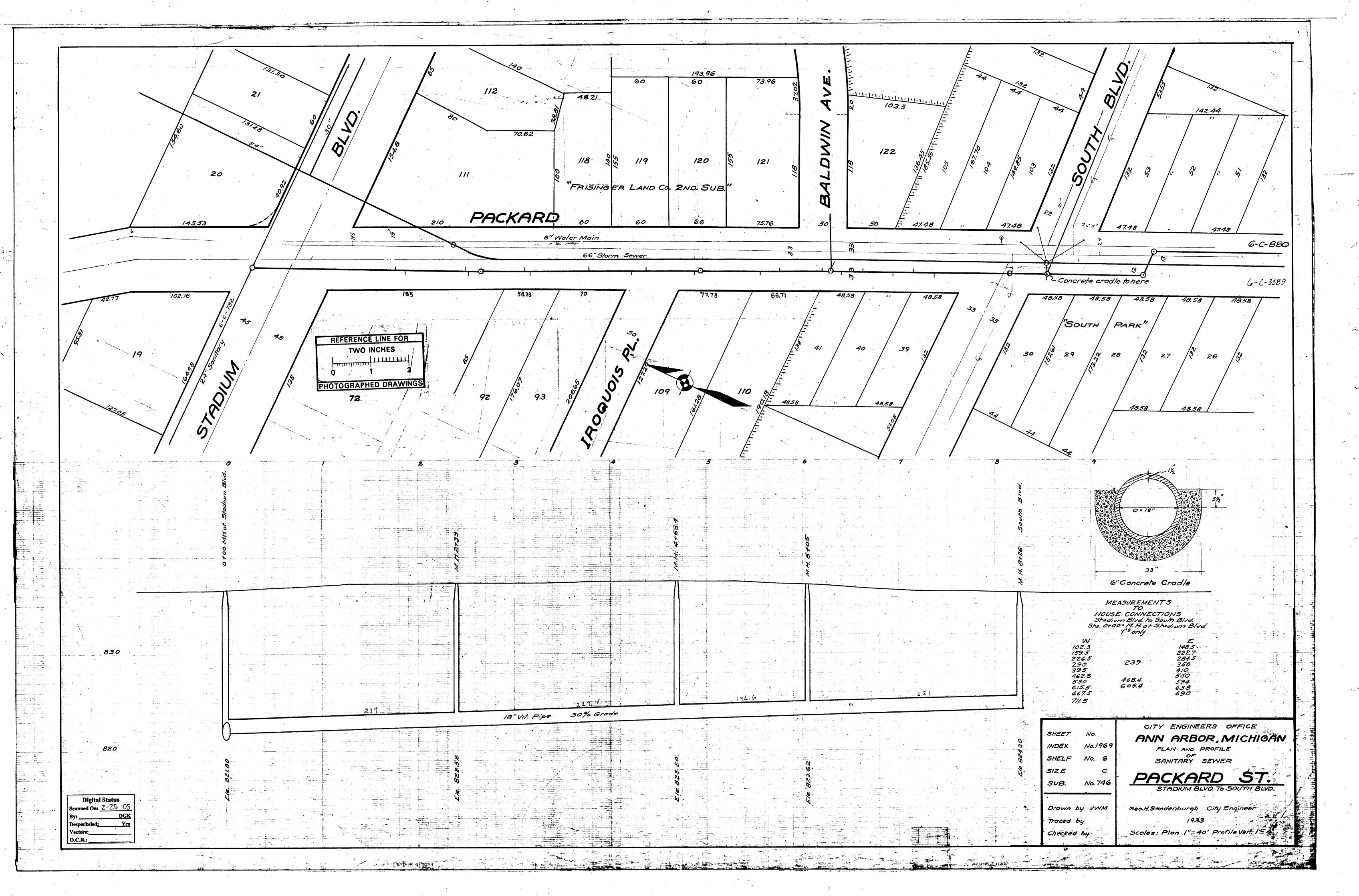


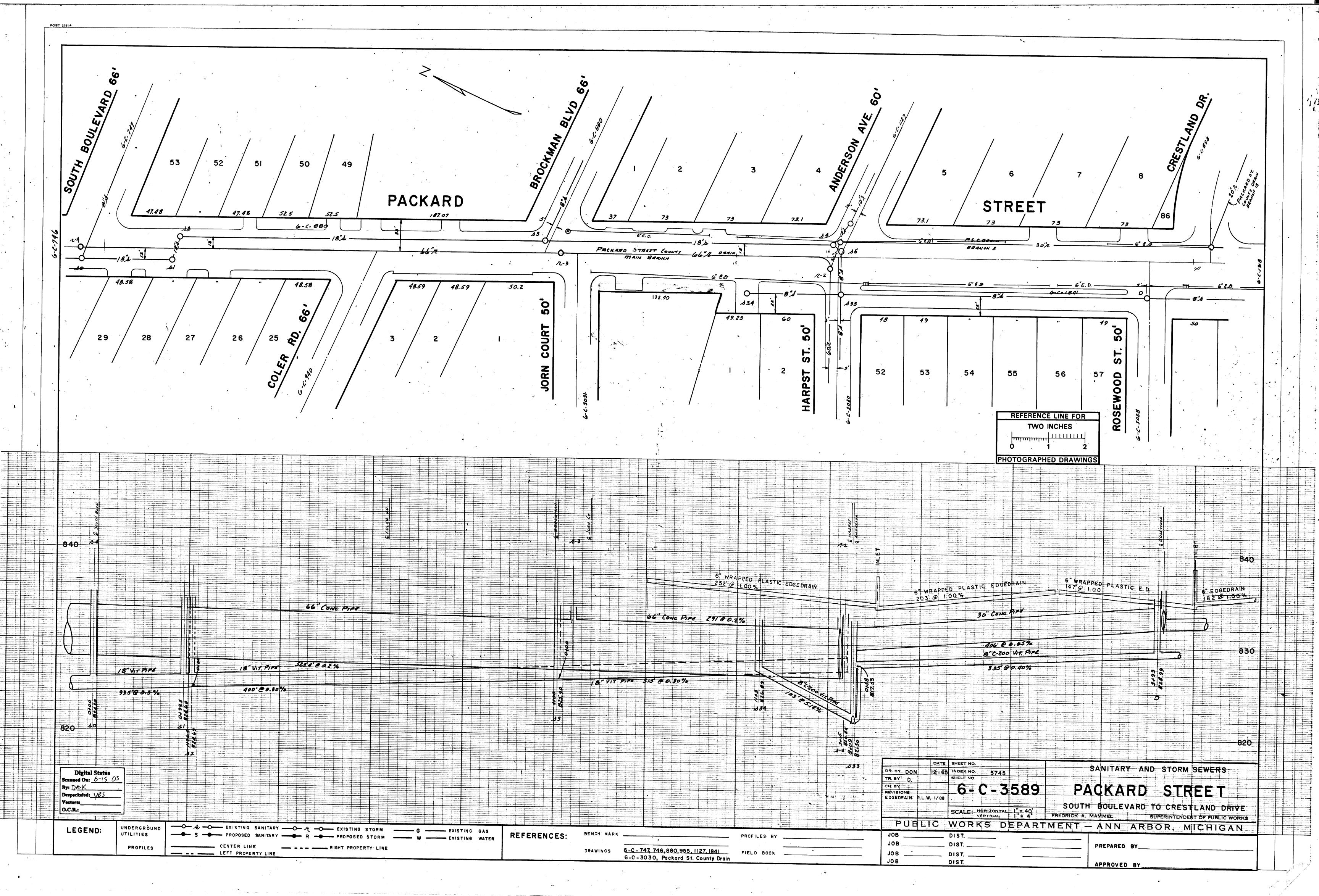


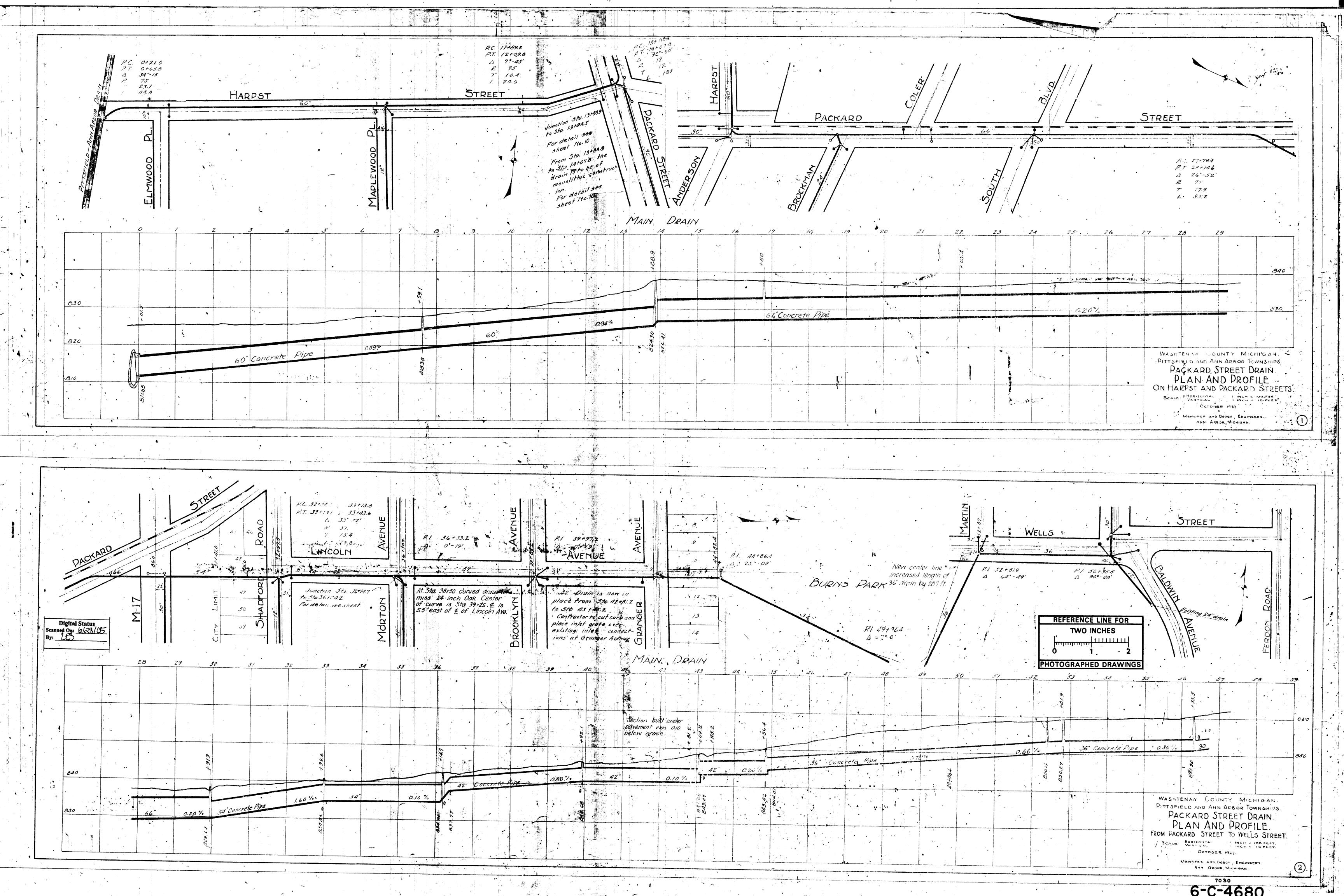
Õ. \_\_<u>1.25"w</u> \_\_\_\_ . मू 🔍 🔊 ∕1∖ Щ A۷ FIFTH S م oht . 88–63949 \_\_\_\_\_ 88–63948 \_\_\_\_5 2 EA 7 216 FT CONC. N/3 88–639<u>51</u> **Ó** – Ó 88–63950 01-01051 12"r rcp -8 1 EA 92-61192 1/ <u>12"r</u> rcp 5 2 EA 88-63946 7 20 FT [] 88–63947 + + + ontv-- ohtv — — · oht · \_\_\_\_ \_\_\_\_\_ ohtv \_\_\_\_\_  $\frac{1}{1}$  - oht - oht - oht -15"s - OK 71−71381 - 8 2 EA 0 IP. 71 - 71363 5 () 2 EA 88-63954 88-63955 15. ŝ 











## Lateral Pipe in Huron Street Storm Sewer



# Memo

To: Ms. Anne Warrow – City of Ann Arbor
From: Katherine C. Hennicken, P.E. – TTL Associates, Inc.
Date: March 25, 2019
Re: Geotechnical Bundle #2

TTL has completed the soil borings and pavement cores associated with Geotechnical Bundle #2 in Ann Arbor, Michigan. This memo provides a brief description the encountered pavement, as well as crushed stone thicknesses.

Twenty-four soil borings, each of which contained associated pavement cores, were performed by TTL during the period from December 27, 2018 through January 7, 2019, as well as March 11 and 12, 2019. Additionally, ten pavement cores without borings were performed on December 14 and 15, 2018. The soil borings are designated B- and the pavement cores are designated PC-. The soil borings and pavement core locations were located in the field by the City of Ann Arbor.

		Paveme	ent Thickness	Subgrade	Recommended
Nearest Address	Soil Boring Number	Asphalt (inches)	Crushed Stone (inches)	AASHTO Lab Class	Resilient Modulus (psi)
216 Bucholz Court	Bucholz B-1	31/2	81⁄2	A-3	12,550
1000 Cedar Bend Drive	Cedar Bend B-2	31⁄4	53⁄4	A-4	11,850
1430 Coler Road	Coler B-6	2	9	A-6	8,050
1410 Dicken Drive	Dicken B-3	51⁄4	6	A-6	8,050
1815 Dunmore	Dunmore B-10	4	12	A-7-6	6 200
1715 Dunmore	Dunmore B-14	61/2	5 <sup>3</sup> ⁄4		6,200
520 Eighth Street	Eighth Street B-4	33⁄4	121/2	A-7-6	12,550
704 Granger	Granger B-1	21⁄4	61/2*		
820 Granger	Granger B-2	5	9*		
1006 Granger	Granger B-3	31⁄4	6¾*	A-7-6	10.450
1119 Granger	Granger B-4	33⁄4	71⁄4*		10,450
1204 Granger	Granger B-5	31/2	6*		
1301 Granger	Granger B-6	3	9*		
Hartford	Hartford B-11	5	41⁄4	A-6	7,150
1509 Maywood	Maywood B-12	31/2	41⁄2	A-6	7 150
1405 Maywood	Maywood B-13	4	6		7,150

The encountered pavement thicknesses are summarized in the tables below.



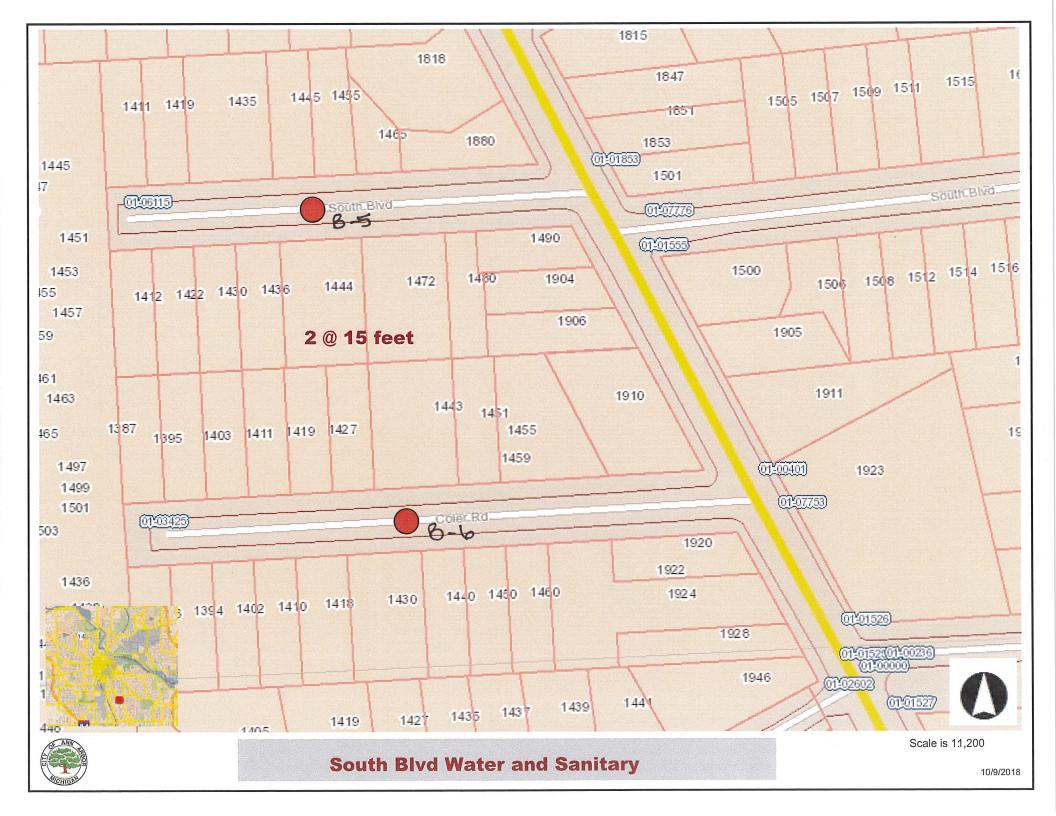
		Paveme	nt Thickness	Subgrade	Decommonded			
Nearest Address	Soil Boring Number	Asphalt (inches)	Crushed Stone (inches)	AASHTO Lab Class	Recommended Resilient Modulus (psi)			
2400 Platt Road	Platt B-1	51/2	71⁄2	A-4				
2275 Platt Road	Platt B-2	5	9		8 0 <b>5</b> 0			
2203 Platt Road	Platt B-3	5	11		8,050			
3319 Platt Road	Platt B-4	4¾	121/4					
1444 South Boulevard	South B-5	43⁄4	61/2	A-2-4	12,550			
1706 Waverly	Waverly B-8	33⁄4	N.E.	A-6	۹ <b>۵5</b> ۵			
1732 Waverly	Waverly B-9	31/2	N.E.		8,050			
1814 Weldon	Weldon B-7	4¾	N.E.	A-6	8,050			
828 Gree	ne Street	5	N.E.	N.E.				
1008 Gree	ene Street	5	N.E.	N.E.				
200 Hil	1 Street	7	N.E.	N.E.				
Eastbound	Hill Street	113⁄4	N.E.	N.E.	Pavement Core			
142 Hoov	ver Street	4	N.E.	N.E.	Only			
323 Hoov	ver Street	41⁄2	N.E.	N.E.	Olliy			
500 Hoov	ver Street	4¾	N.E.	N.E.				
319 Mosl	ey Street	4	N.E.	N.E.				
620 Thi	rd Street	8	N.E.	N.E.				
1304 Ge	ddes B-1	81/2	4		12,550			
1335 Ge	ddes B-2	7	4	A-1-b	12,330			
2291 Dhu '	Varren B-1	3	N.E.	A-3	12,550			
712 Lib	erty B-1	6¼	51/4 33/4					
821 Lib	6	N.E.						
1832 Liberty B-3		1832 Liberty B-3 6			8,050			
1484 Lib	5	5	A-6					
1213 Lib	erty B-5	31⁄4	11*					
Bird	B-1							
Bird	B-2							

\*Indicates concrete pavement encountered instead of crushed stone aggregate base N.E. – Not Encountered

Photographs of the pavement cores from each of the borings are attached to this report.

Please let us know if you have any questions or comments at this time.





a s s o	o c i a t e sental, Geotechnik, ing & Testing	1 s inc T	TL Associates, 915 N 12th Stre oledo, Ohio 43 elephone: 419 ax: 419-241-18	eet 524 -324-2222 308								MBEF		E 1 OF
		y of Ann									#2			
			1504703											
				sociates CW JP						GR	ROUND	ELEVATI	ON	
				ring with 3 in. SSA										
				COMPLETED <u>12/27/18</u>					LLING N					
				CHECKED BY KCH					LLING <u>No</u>					
NOTE	: <b>S</b> <u>143</u>	30 Coler	Road		_ (	nrs .			ILLING Ba			tings and	Patch	
ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG		MATERIAL DESCRIPTION		SAMPLE TYPE	NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	UNCONF. COMP. STR. (tsf)	DRY UNIT WT. (pcf)		40 PT N V/	60 80 ALUE ▲
	0.0		ASPHALT - 2	2 Inches	/	-						20	40 :	<u>60 80</u> :
				TONE - 9 Inches	0.2'/								•	
		<b>XXX</b>	\		0.9'								•	
	  2.5			Medium Dense Brown SILTY SANI I Trace Organics	D		SS 1	89	6-7-9 (16)	NP				
			Moist Stiff G (CL)	ay SANDY LEAN CLAY w/Trace G	3.0' Gravel		SS 2	100	3-4-5 (9)	1.25		20 ▲ I●	-	
	  <u>5.0</u>		Moist Mediur	n Dense Gray POORLY GRADED I Trace Silt (SP)	5.0' SAND		SS 3	100	5-9-12 (21)	NP				
	  - 7.5  			n Dense Gray SILTY SAND (SM)	8.0'		SS 4	89	8-12-12 (24)	NP				
	  		@10': w/Trad	e Gravel		$\square$	SS 5	94	7-11-12 (23)	NP				
	12.5		Moist Dense	Gray SILTY SAND (SM)	12.5'									
	 					<u> </u>	SS 6	89	9-15-16 (31)	NP				
	 _ 15.0		Moist Dense	Gray COBBLES w/Sand	14.5' 15.5'		SS 7	89	19-20-22 (42)	NP				
				Bottom of hole at 15.5 feet.	10.0	<u> </u>								: :
												:	:	: :

a s s Environ Engine	o c i a t e mental, Geotechnik, rring & Testing	s in c	TTL Associates, Inc. 1915 N 12th Street Toledo, Ohio 43624 Telephone: 419-324-2222 Fax: 419-241-1808					BORI	NG	NUN	BER South B-5 PAGE 1 OF 1			
CLIE	CLIENTCity of Ann Arbor					PROJECT NAME _ Geotechnical Bundle #2								
PRO.	PROJECT NUMBER 1504703					PROJECT LOCATION Ann Arbor, MI								
			CTOR TTL Associates CW JP						GR	ROUND	ELEVATION			
			Pavement Coring with 3 in. SSA											
			2/27/18 COMPLETED 12/27/18					ILLING N						
			CHECKED BY KCH					LLING No			tings and Patch			
	_3 <u>_144</u>	4 30uu	h Boulevard											
ELEVATION (ft)	0.0 DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION			NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	UNCONF. COMP. STR. (tsf)	DRY UNIT WT. (pcf)	PL MC LL 20 40 60 80 ▲ SPT N VALUE ▲ 20 40 60 80			
			ASPHALT - 4.75 Inches	0.4'										
		$\circ$	CRUSHED STONE - 6.5 Inches	0.4'										
	  2.5		Moist Medium Dense Brown SILTY SAND w/Trace Gravel (SM)	0.9'/	$\left \right\rangle$	SS 1	89	5-7-5 (12)	NP					
			Moist Medium Dense Brown POORLY GRADED S w/Gravel and Trace Silt (SP)	3.0' AND	$\mathbb{N}$	SS 2	100	5-10-11 (21)	NP					
					M	SS 3	100	6-11-11 (22)	NP					
					$\mathbb{X}$	SS 4	100	12-14-13 (27)	NP					
			@0.5% Auger Pofued	9.5'										
TTL_GEOTECH_STANDARD 1504703.GPJ GINT US LAB.GDT 3/22/19			@9.5': Auger Refusal Bottom of hole at 9.5 feet.	/										



## **CORE LOG**

Project: Geotechnical Bundle #2 TTL Project No. 1504703 Core Dates: December 27, 2018 through January 7, 2019

1444 South Bo	ulevard B-5	1430 Coler H	Road B-6
Core Thickness	4 <sup>3</sup> / <sub>4</sub> inches	Core Thickness	2 inches

### **BID FORM**

### Section 1 - Schedule of Prices

### Project: 2020 Utility Improvements

Bid # 4626 File # 2019-026

<u>ltem</u>	Description	<u>Unit</u>	<u>Estimated</u> Quantity	Unit Price	Total Price
	GENERAL ITEMS				
130	Protective Fencing	FT	260	\$	\$ 
140	Exploratory Excavation (0 to 10 feet)	EA	5	\$	\$
201	Project Supervision, Max \$20,000.00	LS	1	\$ 	\$ 
202	General Conditions, Max. \$25,000.00	LS	1	\$ 	\$ 
203	Minor Traffic Devices, Max \$10,000.00	LS	1	\$	\$
204	Digital Audio Visual Coverage	LS	1	\$	\$
205	Certified Payroll Compliance and Reporting	LS	1	\$	\$ 
206	Clean-Up & Restoration, Special	LS	1	\$	\$
207	Allowance for Unforeseen Site Conditions	DLR	15000	\$ 1.00	\$ 15,000.00
207-1	Allowance for Permit Fees	DLR	5000	\$ 1.00	\$ 5,000.00
209	Inlet Filters	EA	22	\$	\$
210	"No Parking" Signs	EA	14	\$	\$
211	Sign, Portable Changeable Message, Furn and Oper	EA	10	\$	\$
212	Plastic Drum - Lighted, Furnish and Operate	EA	70	\$	\$
213	Barricade Type III - Lighted, Furnish and Operate	EA	30	\$	\$
214	Temporary Sign, Type B, Furnish and Operate	SFT	1400	\$	\$
215	Pedestrian Type II Barricade, Furn and Oper	EA	10	\$	\$
216	Arrow Board, Furnish and Operate	EA	2	\$	\$
	ROAD ITEMS				
220	Remove Concrete Curb or Curb and Gutter - Any Type	FT	300	\$	\$
221	Remove Concrete Sidewalk and Drive - Any Thickness	SFT	2000	\$	\$
222	HMA Surface Remove	SYD	2900	\$	\$
223	HMA and Concrete Surface Removal	SYD	150	\$	\$
224	Concrete Type M Opening - HE	FT	50	\$	\$
225	6 inch Conc with Integral curb	SFT	1300	\$	\$
226	Machine Grading, Modified	SYD	3150	\$	\$
227	Subgrade Undercutting - Type II	CYD	20	\$	\$
228	Sand Subbase Course, Class II - C.I.P.	CYD	10	\$	\$
229	21AA Limestone	CYD	50	\$ 	\$ 
	TOTAL THIS PAGE (BF-1) (Also to be entered on Page BF-3)			\$	

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### **BID FORM**

### Section 1 - Schedule of Prices

### Project: 2020 Utility Improvements

File # 2019-026 Bid # 4626

<u>ltem</u>	Description	<u>Unit</u>	<u>Estimated</u> Quantity		Unit Price	Total Price
	ROAD ITEMS (continued)					
230	Aggregate Base Course, 8-inch - 21AA - C.I.P.	SYD	1550	\$	\$	
231	Aggregate Base Course, 12-inch - 21AA - C.I.P.	SYD	550	\$	\$	
232	6A Crushed Limestone	CYD	3	\$	\$	
233	HMA Pavement Leveling/Top – LVSP	TON	510	\$	\$	
234	HMA Pavement Base/Leveling/Top - 4E3	TON	200	\$	\$	
234-1	Hand Patching	TON	8	\$	\$	
235	Concrete Curb or Curb and Gutter - All Types	FT	200	\$	\$	
236	Concrete Curb or Curb and Gutter - All Types (HE)	FT	25	\$	\$	
237	4 Inch Concrete Sidewalk	SFT	400	\$	\$	
238	6 Inch Concrete Sidewalk or Sidewalk Ramp	SFT	250	\$	\$	
239	6 Inch Concrete Drive - High Early	SFT	150	\$	\$	
240	Detectable Warning, Cast In Place	SFT	20	\$	\$	
241	Integral Sidewalk Retaining Wall, any height	SFT	10	\$	\$	
250	Pavt Mrkg, Polyurea, 12 inch, White	FT	60	\$	\$	
251	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	FT	40	\$	\$	
252	Pavt Mrkg, Ovly Cold Plastic, Direction Arrow, Bike	EA	1	\$	\$	
253	Pavt Mrkg, Ovly Cold Plastic, Bike, Sym	EA	1	\$	\$	
254	Pavt Mrkg, Polyurea, 12 inch, Yellow	FT	60	\$	\$	
255	Pavt Mrkg, Polyurea, 4 inch, Yellow	FT	460	\$	\$	
256	Pavt Mrkg, Polyurea, 6 inch, White	FT	240	\$	\$	
257	Pavt Mrkg Cover, Type R, Black	FT	600	\$	\$	
258	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Temp	FT	1150	\$	\$	
563	Structure Covers	EA	6	_	\$	
566	Adjust Structure Cover	EA	6	\$	\$	
	SEWER ITEMS					
270	Sewer, Any Size or Depth, Remove	FT	374	\$	\$	
271	Structure, Any Size or Depth, Remove	EA	7	\$	\$	
276	Existing Sewer Lead, Connect	EA	5	\$	\$	
277	Sanitary Sewer Cleanout	EA	6	\$	\$	
	TOTAL THIS PAGE (BF-2) (Also to be entered on page BF-3)			\$_		

(Also to be entered on page BF-3)

### **BID FORM**

### Section 1 - Schedule of Prices

### Project: 2020 Utility Improvements

File # 2019-026 Bid # 4626

<u>ltem</u>	Description	<u>Unit</u>	<u>Estimated</u> Quantity	Unit Price	Total Price
	SEWER ITEMS (continued)				
278	6-Inch Wrapped Underdrain	FT	20	\$ \$	
305	8 inch SDR 26 PVC Sanitary Sewer, Trench Detail I	FT	310	\$ \$	
320	12" CL IV RCP Storm Sewer Pipe, Trench Detail I	FT	40	\$ \$	
321	24" CL IV RCP Storm Sewer Pipe, Trench Detail I	FT	96	\$ \$	
335	SDR 26 PVC Wye, 8" x 6"	EA	3	\$ \$	
354	6 inch SDR 35 PVC Sanitary Lead, Trench Detail I	FT	180	\$ \$	
360	Type I Manhole, 48 inch Dia 0-10' deep)	EA	4	\$ \$	
366	Double Inlet	EA	2	\$ \$	
370	Drop Connection, 8-inch	VF	5	\$ \$	
385	Sewer Pipe Abandonment with Flowable Fill	FT	170	\$ \$	
	WATER ITEMS				
290	Temporary 8 inch Water Main Line Stop	EA	2	\$ \$	
291	Fire Hydrant Assembly	EA	1	\$ \$	
400	6 inch Class 50 DIP w/polywrap, Trench Detail I	FT	20	\$ \$	
401	8 inch Class 50 DIP w/polywrap, Trench Detail I	FT	420	\$ \$	
402	8 inch Class 50 DIP w/restrained jt/wrap, Tr Det I	FT	135	\$ \$	
411	8" 22.5° Bend	EA	1	\$ \$	
412	8" 45° Bend	EA	4	\$ \$	
414	8" x 6" Reducer	EA	1	\$ \$	
430	8" x 8" x 8" Tee	EA	2	\$ \$	
447	8" Gate Valve-in Well	EA	2	\$ \$	
460	Excavate & Backfill for Water Service Tap and Lead	FT	50	\$ \$	
481	Water Main Pipe Abandonment	FT	530	\$ \$	
483	Gate Valve and Well, Removal	EA	1	\$ \$	
	TOTAL THIS PAGE (BF-3)			\$	
	TOTAL FROM PAGE BF-1			\$	
	TOTAL FROM PAGE BF-2			\$	
	TOTAL BASE BID			\$	