

Byrne Construction Services
 551 E. Berry Street
 Fort Worth, Texas 76110
 Phone: (817) 335-3394
 Fax: (817) 877-5507

Project: 1648 - FW NW Community Center
 8735 Blue Mound Road
 Fort Worth, Texas 76137

Prime Contract Potential Change Order #015: PR #9 Sanitary Sewer: CoFW TP/W Changes

TO:	CITY OF FORT WORTH 1000 THROCKMORTON ST. FORT WORTH Texas, 76102	FROM:	THOS. S. BYRNE, INC. 551 E BERRY STREET FORT WORTH Texas, 76110
PCO NUMBER/REVISION:	015 / 0	CONTRACT:	1648 - Northwest Community Center
REQUEST RECEIVED FROM:		CREATED BY:	David Tatum (THOS. S. BYRNE, INC.)
STATUS:	Draft	CREATED DATE:	2/29 /2024
REFERENCE:		PRIME CONTRACT CHANGE ORDER:	None
FIELD CHANGE:	No		
LOCATION:		ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:		PAID IN FULL:	No
		TOTAL AMOUNT:	\$196,707.86

POTENTIAL CHANGE ORDER TITLE: PR #9 Sanitary Sewer: CoFW TP/W Changes

CHANGE REASON: Scope Revision

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*

CE #016 - PR #9 Sanitary Sewer
 PR #9 Revision Scope Includes:

- The addition of a Lift Station for the Sanitary Sewer
- The reduction in Sanitary Sewer Pipe size
- The change from SDR PVC Sewer Pipe to DIP PVC Sewer Pipe
- The addition of Manhole Liner and Above Ground Marker
- Conduit and Wire for Lift Station
- Conduit and Wire for Control Boxes

ATTACHMENTS:

[NWCC PCR5 PR 9 Proposal.pdf](#) [_NW Community Center - CP4.2 Backup.pdf](#) [_NW Community Center - CP4.2 2.22.24.pdf](#)

#	Cost Code	Description	Type	Amount
1	330-3350-200 - Site Utilities	PR #9 Sanitary Sewer Revision	Sub Contract	\$ 159,670.00
2	330-3350-200 - Site Utilities		Sub Bonds	\$ 3,841.00
3	260-2600-001 - Electrical	PR #9 Conduit and Wire for Lift Station	Sub Contract	\$ 24,118.00
4	260-2600-001 - Electrical		Sub Bonds	\$ 603.00
5	010-0100-100 - Project Staff		Bi-Weekly Payroll	\$ 520.00
6	017-0170-500 - Performance and Payment Bonds		Other Costs	\$ 1,843.08
7	017-0170-015 - General Liability		Other Costs	\$ 866.25
8	017-0170-010 - Umbrella Insurance		Other Costs	\$ 571.35
9	017-0170-600 - Builder's Risk		Other Costs	\$ 46.08

10	999-9999-900 - JOB FEE	Fee	\$ 4,629.10
Subtotal:			\$196,707.86
Grand Total:			\$196,707.86

Approval Needed By: Thursday, March 7, 2024

We are awaiting your approval prior to proceeding with this work. In order to prevent any delay, this change must be approved by the date shown above.

We are proceeding with this work. Please provide written notice immediately if we are to stopwork associated with this change and await further direction. Please provide approval of this change by the date shown above.

This work is complete. Please provide approval of this change by the date shown above.

Funding Source:

This proposed change will be funded by CITY OF FORT WORTH via a future Change Order increasing or decreasing the Contract per the amount listed above.

This proposed change will be funded by the Owner's Contingency within the GMP and GMP amount will not change

This proposed change will be funded by the Contractor's Contingency within the GMP and GMP amount will not change.

This proposed change will be funded by an Allowance Expenditure within the GMP and GMP amount will not change

Our breakdown is attached for your review and approval. Please return one signed copy of this Proposed Change approving the associated costs, time extensions, and funding source indicated herein.

CITY OF FORT WORTH
 1000 THROCKMORTON ST.
 FORT WORTH Texas 76102

THOS. S. BYRNE, INC.
 551 E BERRY STREET
 FORT WORTH Texas 76110

 SIGNATURE DATE

 SIGNATURE DATE


 _____ 2/29/24
 SIGNATURE DATE



Clarifications Page

PC No. 15
Rev 0

Inclusions

- 1) Provide and install Lift Station as identified on the new drawings per PR 09.
- 2) Change Sanitary sewer piping to DIP w/P-401 PVC piping from the SDR26 PVC.
- 3) Additional of 2" Poly Force Main.
- 4) Reduction of Sewer Piping Size as identified in PR 09.
- 5) Provide and install above ground markers as identified.
- 6) Provide and install underground conduit for lift station circuit.
- 7) Provide and install underground conduit for the lift alarm
- 8) All trenching for electrical conduits.

Note: Lift Stations have a lead time of 11 weeks; if approval is received by 03/07/24 material ETA is 05/16/24. Lift Station pricing is valid until 3/22/24.

Exclusions

1. Sales Tax
2. Scope of work not included or cloud on the revised drawings for PR 09.

Byrne has identified this PCO as delaying the critical path of the project zero (0) calendar days at this time, Byrne reserves the right to request additional general condition costs for this unforeseen existing condition at a later date, if needed.

MAVERICK UTILITY CONSTRUCTION, INC.

P.O. Box 728
Euless, TX 76039

Phone: 817-684-0858
Fax: 817-684-0360

Change Proposal #4.2

Date
2/22/2024

Contact Info

Project

Bryan Yule byule@mavutility.com	NW Community Center Fort Worth
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Item	Description	Quantity	Unit	Unit Price	Total
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Section B - Sewer Distribution

1	12" SDR-26 PVC Sewer	-1682	l.f.	\$ 135.00	\$ (227,070.00)
2	8" SDR26 PVC Sewer	400	l.f.	\$ 117.00	\$ 46,800.00
3	8" DIP w/ P-401 PVC Sewer	613	l.f.	\$ 181.00	\$ 110,953.00
4	2" Poly Force Main	683	l.f.	\$ 67.00	\$ 45,761.00
5	Concrete Encasement	-53	l.f.	\$ 193.00	\$ (10,229.00)
6	8" By Other Than Open Cut	51	l.f.	\$ 661.00	\$ 33,711.00
7	By Pass Pumping	1	ea.	\$ 41,919.00	\$ 41,919.00
8	Demo & Repour Cone	1	ea.	\$ 4,950.00	\$ 4,950.00
9	COFW Spec Ring & Lid	1	ea.	\$ 935.00	\$ 935.00
10	Lift Station	1	ea.	\$ 47,267.00	\$ 47,267.00
11	Manhole Liner	71	v.f.	\$ 825.00	\$ 58,575.00
12	Above Ground Marker	6	ea.	\$ 403.00	\$ 2,418.00

Total Sewer \$ 155,990.00

Item	Description	Quantity	Unit	Unit Price	Total
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Section B - Sewer Distribution

1	Remobilization	1	ea.	\$ 3,680.00	\$ 3,680.00
2	P&P Adder	1	ea.	\$ 3,841.00	\$ 3,841.00

Subtotal \$ 7,521.00

Total Proposal \$ 163,511.00

Excluded seeding sodding, restoring surface to existing condition, all electrical work, conduit, wiring (we'll need assistance of your electrical contractor to verify connections).

Based on PR#9 dated 2/16/24

This change proposal adds 3 weeks to our schedule.

Lift Station Shop Drawings - 2 weeks
ETA - 8-10 weeks after approved shop drawings

Pump comes with 30' of wire. This change order assumes panel will be mounted with 30' from bottom of wet well.

Description	Qty.	Unit	Unit Material	Total Material	Unit Labor	Total Labor	Unit Equipment	Total Equipment	Unit Cost	Total Cost	Unit Price	Total Price
12" SDR-26 PVC Sewer	-1682	l.f.	\$ 53.00	\$ (89,146.00)	\$ 34.72	\$ (58,402.78)	\$ 34.72	\$ (58,402.78)	\$ 122.44	\$ (205,951.56)	\$ 135.00	\$ (227,070.00)
8" SDR26 PVC Sewer	400	l.f.	\$ 44.00	\$ 17,600.00	\$ 31.25	\$ 12,500.00	\$ 31.25	\$ 12,500.00	\$ 106.50	\$ 42,600.00	\$ 117.00	\$ 46,800.00
8" DIP w/ P-401 PVC Sewer	613	l.f.	\$ 91.00	\$ 55,783.00	\$ 36.76	\$ 22,536.76	\$ 36.76	\$ 22,536.76	\$ 164.53	\$ 100,856.53	\$ 181.00	\$ 110,953.00
2" Poly Force Main	683	l.f.	\$ 25.00	\$ 17,075.00	\$ 17.86	\$ 12,196.43	\$ 17.86	\$ 12,196.43	\$ 60.71	\$ 41,467.86	\$ 67.00	\$ 45,761.00
Concrete Encasement	-53	l.f.	\$ 33.00	\$ (1,749.00)	\$ 71.43	\$ (3,785.71)	\$ 71.43	\$ (3,785.71)	\$ 175.86	\$ (9,320.43)	\$ 193.00	\$ (10,229.00)
8" By Other Than Open Cut	51	l.f.	\$ 351.00	\$ 17,901.00	\$ 125.00	\$ 6,375.00	\$ 125.00	\$ 6,375.00	\$ 601.00	\$ 30,651.00	\$ 661.00	\$ 33,711.00
By Pass Pumping	1	ea.	\$ 33,108.00	\$ 33,108.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 38,108.00	\$ 38,108.00	\$ 41,919.00	\$ 41,919.00
Demo & Repour Cone	1	ea.	\$ 2,500.00	\$ 2,500.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 4,500.00	\$ 4,500.00	\$ 4,950.00	\$ 4,950.00
COFW Spec Ring & Lid	1	ea.	\$ 750.00	\$ 750.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 850.00	\$ 850.00	\$ 935.00	\$ 935.00
Lift Station	1	ea.	\$ 37,970.00	\$ 37,970.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 42,970.00	\$ 42,970.00	\$ 47,267.00	\$ 47,267.00
Manhole Liner	71	v.f.	\$ 650.00	\$ 46,150.00	\$ 50.00	\$ 3,550.00	\$ 50.00	\$ 3,550.00	\$ 750.00	\$ 53,250.00	\$ 825.00	\$ 58,575.00
Above Ground Marker	6	ea.	\$ 166.00	\$ 996.00	\$ 100.00	\$ 600.00	\$ 100.00	\$ 600.00	\$ 366.00	\$ 2,196.00	\$ 403.00	\$ 2,418.00
			Material		Labor		Equipment		Cost		Total Bid	
			\$ 138,938.00		\$ 1,619.70		\$ 1,619.70		\$ 142,177.40		\$ 155,990.00	



2901 E Industrial Blvd Waco, Texas 76705 254-772-0670
TACLA28343C M41036 TECL 32275

Request For Change

2/22/2024

Byrne Construction
Services

David Tatum
PR 9
PR 9 Lift Station

LochrIDGE-PRIEST, Inc. is pleased to submit the following proposal for your review, approval, and subsequent issuance of a subcontract change order. We are pleased to offer this proposal based on the scope of work and clarifications as described below. We respectfully request a written directive to proceed with the work defined herein, followed by a written change order.

Scope of work and

1. Provide Electrical circuit only to feed a new lift station per attached drawings

TOTAL = \$24,118.00

Clarifications:

- A.) Proposal is valid for 15 days. Should approval be received after such time, or work is covered up by other trades prior to

Sincerely,

Ron Counts

817-948-7558

Qualifications:

- A.) LPI MEP reserves the right to revisit this pricing when unforeseen field conditions are identified and/or when errors and emissions occur in the defining of scope.
- B.) Pricing accounts for (1) mobilization/pass of work to accomplish defined scope.
- C.) Raceway for Low Voltage Systems are Stub-Ups to Accessible Ceilings.
- D.) Pricing is based on means and methods in accordance with NEC and Local AHJ.
- E.) This proposal is based on the assumption that approval of pricing and clear direction to proceed is provided in a reasonable time frame. LPI MEP's pricing and schedule are subject to equitable adjustments for delays caused by Client's failure to provide any required approval or suitable access or by occurrences or circumstances beyond reasonable control (Act of God, acts of regulations of a governmental agency, emergency, and security measures).
- F.) Any "backing or Framing" required for specialty boxes or back boxes to install system.

Exclusions:

- A.) Rock Excavation
- B.) Any and all forming / placement / cutting / repair / patching of concrete.
- C.) Any and all exclusions previously agreed upon via the Executed Contract.
- D.) Telephone, Data, AV, Security, BMS, Mechanical, Kitchen Hoods, Anslu Low Voltage Cabling (Provided by Others)
- F.) Raceways for BMS or Temperature Control.
- G.) Overtime, unless specifically included above.
- H.) Expediting Charges, unless specifically included above.
- J.) Sales Tax

Lochridge-Priest, Inc.

2901 E Industrial Blvd
Waco, Texas 76705
254-772-0670

SUMMARY SHEET

PROJECT NAME:	Northwest Community Center	JOB NO:	ELE230057
PCR DESCRIPTION:	PR 9 Lift Station		
LP PCR NO:	PR # 9		
SUBMITTED BY:	Ron Counts	DATE:	22-Feb-24

LABOR

Superintendent	6.15	HRS	X	\$65.00	=	\$399.75
Crew Forman	0.00	HRS	X	\$48.00	=	\$0.00
Installation Non productive	0.00	HRS	X	\$28.00	=	\$0.00
Journeyman	160.00	HRS	X	\$35.00	=	\$5,600.00
Apprentice	86.00	HRS	X	\$28.00	=	\$2,408.00
Material Distribution	0.00	HRS	X	\$18.00	=	\$0.00
Project Manager	8.00	HRS	X	\$65.00	=	\$520.00
Quality Control Engineer(s)	0.00	HRS	X	\$40.00	=	\$0.00
Safety (JHA)	5.00	HRS	X	\$40.00	=	\$200.00
Assistant Project Manager	3.69	HRS	X	\$40.00	=	\$147.60
Clean Up	9.84	HRS	X	\$18.00	=	\$177.12
Estimator	0.00	HRS	X	\$60.00	=	\$0.00
Clerical	0.00	HRS	X	\$20.00	=	\$0.00
Drawing Preparation BIM/CAD	0.00	HRS	X	\$45.00	=	\$0.00
Shift Differential (Average)	0.00	HRS	X	\$0.00	=	\$0.00
Premium Time	0.00	HRS	X	\$16.28	=	\$0.00
Building Height Adjustment	0.00	HRS	X	\$32.55	=	\$0.00
Other Adjustments	0.00	HRS	X	\$32.55	=	\$0.00

FRINGE/BURDEN	45.00%					\$4,253.61
						LABOR COST = \$13,706.08

MATERIAL/SUBCONTRACTOR QUOTES

STANDARD MATERIALS						\$7,815.00
STANDARD MATERIALS	SALES TAX			0.00%	=	\$0.00
QUOTED ITEMS					=	\$529.43
QUOTED ITEMS	SALES TAX			0.00%	=	\$0.00
SUB-CONTRACTORS					=	\$0.00
EQUIPMENT RENTAL					=	\$1,910.00
EQUIPMENT RENTAL	SALES TAX			8.25%	=	\$157.58
						MATERIAL/QUOTES COST = \$10,412.01

DIRECT JOB EXPENSE

CONSUMABLES						\$0.00
CONSUMABLES	SALES TAX			8.25%	=	\$0.00
TOOL RENTAL					=	\$0.00
TOOL RENTAL	SALES TAX			8.25%	=	\$0.00
WARRANTY					=	\$0.00

						PRIME COST = \$24,118.09
	FEE			0.00%	=	\$0.00
					=	\$24,118.09
	BOND				=	\$0.00
	FINAL ADJUSTMENT				=	\$0.00

TOTAL SELLING PRICE						\$24,118.00
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ESTIMATE SUMMARY

Lochridge-Priest, Inc.

2901 E Industrial Blvd
254-772-0670

EQUIPMENT AND MATERIAL QUOTED ITEMS

PROJECT NAME:	<u>Northwest Community Center</u>	JOB NO:	<u>ELE230057</u>
PR DESCRIPTION:	<u>PR 9 Lift Station</u>		
LP PCR NO:	<u>PR # 9</u>		
SUBMITTED BY:	<u>Ron Counts</u>	DATE:	<u>22-Feb-24</u>

QUOTED ITEMS

LIGHTING FIXTURES & LAMPS	=	<u>\$0.00</u>
LIGHTING CONTROLS	=	<u>\$0.00</u>
SWITCHGEAR	=	<u>\$529.43</u>
LV RELAY PANELS	=	<u>\$0.00</u>
SURGE PROTECTION	=	<u>\$0.00</u>
BUSSMAN POWER MODULES	=	<u>\$0.00</u>
FUSES	=	<u>\$0.00</u>
GENERATOR & ATS	=	<u>\$0.00</u>
UPS/PDU	=	<u>\$0.00</u>
CABLE	=	<u>\$0.00</u>
HV CABLE & TERMS	=	<u>\$0.00</u>
MODULAR WIRING	=	<u>\$0.00</u>
UNDER FLOOR DUCT	=	<u>\$0.00</u>
WIREWAYS	=	<u>\$0.00</u>
PLUGMOLD	=	<u>\$0.00</u>
FLOOR BOXES	=	<u>\$0.00</u>
SPEC. WIRING DEVICES	=	<u>\$0.00</u>
CABLE TRAY	=	<u>\$0.00</u>
CAD WELD	=	<u>\$0.00</u>
QUOTED ITEMS COST	=	<u><u>\$529.43</u></u>



W HOLESAL E ELECTRIC S UPPLY

WHOLESALE ELECTRIC - 55 HALTOM CITY
5030 ANDERSON BLVD
SUITE 300
HALTOM CITY, TX 76117
Phone 817-663-8188
Fax 682-250-7272



Quotation

EXPIRATION DATE	QUOTE NUMBER
03/23/2024	S9033072
WHOLESALE ELECTRIC - 55 HALTOM CITY 5030 ANDERSON BLVD SUITE 300 HALTOM CITY, TX 76117 Phone 817-663-8188 Fax 682-250-7272	PAGE NO.
	1 of 1

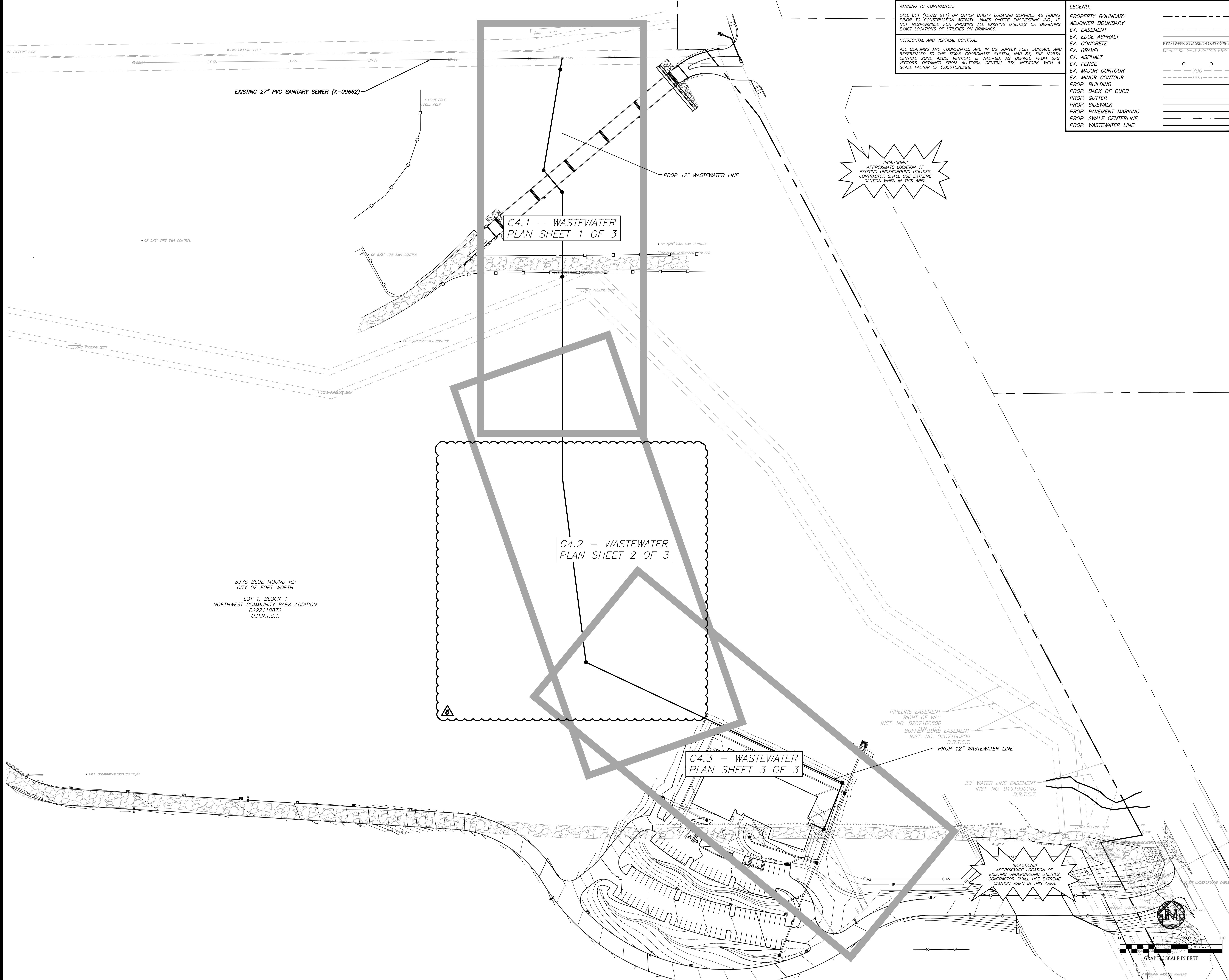
QUOTE TO:

SHIP TO:

LOCHRIDGE PRIEST INC
PO BOX 154187
WACO, TX 76715

LOCHRIDGE - NW COMMUNITY CENTER
8375 BLUE MOUND ROAD
FORT WORTH, TX 76137

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON	
108612			House Weatherford	
WRITER	SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
DFW Gear Team		NET 10TH	02/22/2024	No
ORDER QTY	DESCRIPTION		UNIT PRICE	EXT PRICE
1ea	SCB BGA36020 MOLDED CASE CIRCUIT Pn: 2662322		427.000/ea	427.00
1ea	SQC VHU361 3P 30A SFTY SWITCH Pn: 2806794		102.430/ea	102.43
THIS IS A QUOTATION Prices are firm for 30 days. Wire and Conduit prices are firm for day of quote only! APPLICABLE TAXES EXTRA!			Subtotal	529.43
			S&H Charges	0.00
			Amount Due	529.43



WARNING TO CONTRACTOR:
 CALL 811 (TEXAS 811) OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. JAMES DWOTE ENGINEERING, INC., IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

HORIZONTAL AND VERTICAL CONTROL:
 ALL BEARINGS AND COORDINATES ARE IN US SURVEY FEET SURFACE AND REFERENCED TO THE TEXAS COORDINATE SYSTEM, NAD-83, THE NORTH CENTRAL ZONE 4202, VERTICAL IS NAD-88, AS DERIVED FROM GPS VECTORS OBTAINED FROM ALLIANCE CENTRAL PIV NETWORK WITH A SCALE FACTOR OF 1.0001526298.

LEGEND:

PROPERTY BOUNDARY	---
ADJOINER BOUNDARY	---
EX. EASEMENT	---
EX. EDGE ASPHALT	---
EX. CONCRETE	---
EX. GRAVEL	---
EX. ASPHALT	---
EX. FENCE	---
EX. MAJOR CONTOUR	---
EX. MINOR CONTOUR	---
PROP. BUILDING	---
PROP. BACK OF CURB	---
PROP. GUTTER	---
PROP. SIDEWALK	---
PROP. PAVEMENT MARKING	---
PROP. SWALE CENTERLINE	---
PROP. WASTEWATER LINE	---

C4.1 - WASTEWATER
 PLAN SHEET 1 OF 3

C4.2 - WASTEWATER
 PLAN SHEET 2 OF 3

C4.3 - WASTEWATER
 PLAN SHEET 3 OF 3

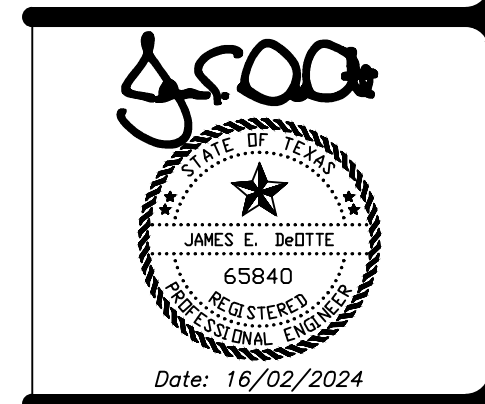
8375 BLUE MOUND RD
 CITY OF FORT WORTH
 LOT 1, BLOCK 1
 NORTHWEST COMMUNITY PARK ADDITION
 D222118872
 O.P.R.T.C.T.

NORTHWEST COMMUNITY CENTER

8375 BLUE MOUND ROAD FT WORTH, TX 76137

History

#	Date	Description
1	11/18/22	ADDENDUM #1
2	12/07/22	ADDENDUM #2
3	03/03/23	PROPOSAL REQUEST #1
4	04/19/23	RFI #3
5	05/24/23	RFI #4 & RFI #6
6	06/08/23	PROPOSAL REQUEST #2
7	06/30/23	RFI #7
8	09/18/23	PROPOSAL REQUEST #7
9	02/16/24	PROPOSAL REQUEST #9

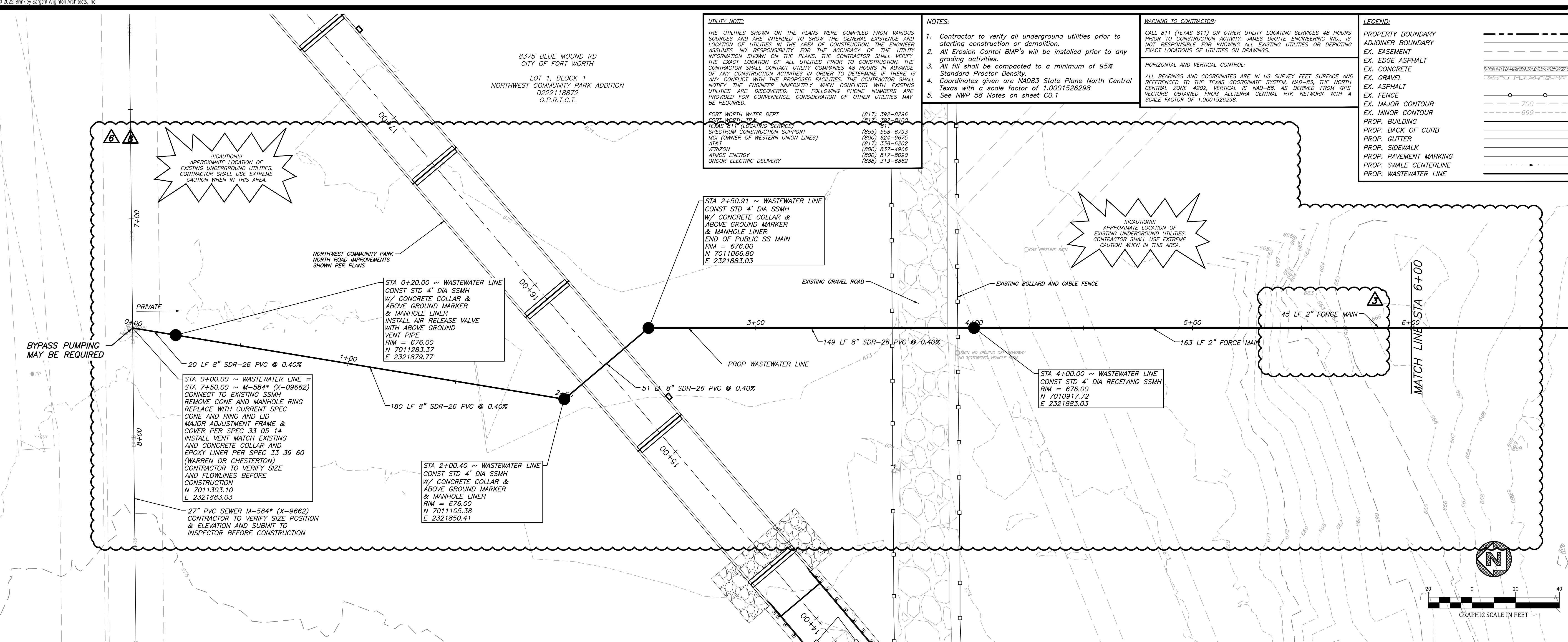


WASTEWATER
 PLAN OVERALL

21918.00
 08/14/2023 C4.0

Architect: Brinkley Sargent Wiginton Architects (972) 969-9970
 Landscape: Kendall + Landscape Architecture (214) 739-3226
 Structural: AC&E (214) 420-7002
 MEP: MEP Consulting Engineers (MEPCE) (727) 870-9060
 Civil: DeOrie Engineering (817) 446-6877
 Technology: TBD

© 2022 Brinkley Sargent Wignton Architects, Inc.



UTILITY NOTE:
 THE UTILITIES SHOWN ON THE PLANS WERE COMPILED FROM VARIOUS SOURCES AND ARE INTENDED TO SHOW THE GENERAL EXISTENCE AND LOCATION OF UTILITIES IN THE AREA OF CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UTILITY COMPANIES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES IN ORDER TO DETERMINE IF THERE IS ANY CONFLICT WITH THE PROPOSED FACILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS WITH EXISTING UTILITIES ARE DISCOVERED. THE FOLLOWING PHONE NUMBERS ARE PROVIDED FOR CONVENIENCE. CONSIDERATION OF OTHER UTILITIES MAY BE REQUIRED.

FORT WORTH WATER DEPT (817) 392-8296
 FORT WORTH TP (817) 392-8100
 TEXAS 811 LOCATING SERVICE (817) 571-5711
 SPECTRUM CONSTRUCTION SUPPORT (855) 558-6793
 MCI (OWNER OF WESTERN UNION LINES) (800) 624-9675
 AT&T (817) 338-6202
 VERIZON (800) 837-4966
 AMOS ENERGY (800) 817-8090
 ONCOR ELECTRIC DELIVERY (888) 313-6862

NOTES:

- Contractor to verify all underground utilities prior to starting construction or demolition.
- All Erosion Control BMP's will be installed prior to any grading activities.
- All fill shall be compacted to a minimum of 95% Standard Proctor Density.
- Coordinates given are NAD83 State Plane North Central Texas with a scale factor of 1.0001526298
- See NWP 58 Notes on sheet 00.1

WARNING TO CONTRACTOR:
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HORIZONTAL AND VERTICAL CONTROL:
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LEGEND:

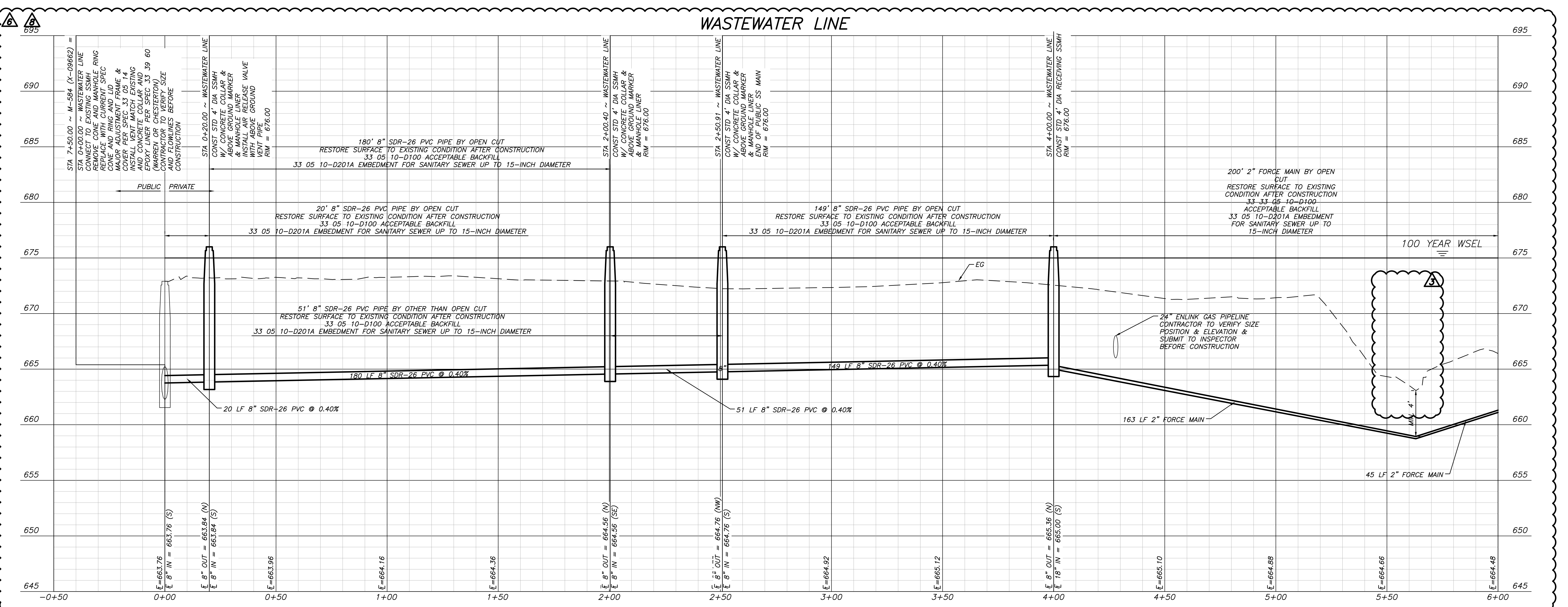
---	PROPERTY BOUNDARY
---	ADJOINER BOUNDARY
---	EX. EASEMENT
---	EX. EDGE ASPHALT
---	EX. CONCRETE
---	EX. GRAVEL
---	EX. ASPHALT
---	EX. FENCE
---	EX. MAJOR CONTOUR
---	EX. MINOR CONTOUR
---	PROP. BUILDING
---	PROP. BACK OF CURB
---	PROP. GUTTER
---	PROP. SIDEWALK
---	PROP. PAVEMENT MARKING
---	PROP. SWALE CENTERLINE
---	PROP. WASTEWATER LINE

STA 2+50.91 ~ WASTEWATER LINE
 CONST STD 4" DIA SSMH
 W/ CONCRETE COLLAR &
 ABOVE GROUND MARKER
 & MANHOLE LINER
 END OF PUBLIC SS MAIN
 RIM = 676.00
 N 7011068.80
 E 2321883.03

STA 0+20.00 ~ WASTEWATER LINE
 CONST STD 4" DIA SSMH
 W/ CONCRETE COLLAR &
 ABOVE GROUND MARKER
 & MANHOLE LINER
 INSTALL AIR RELEASE VALVE
 WITH ABOVE GROUND
 VENT PIPE
 RIM = 676.00
 N 7011283.37
 E 2321879.77

STA 2+00.40 ~ WASTEWATER LINE
 CONST STD 4" DIA SSMH
 W/ CONCRETE COLLAR &
 ABOVE GROUND MARKER
 & MANHOLE LINER
 RIM = 676.00
 N 7011105.98
 E 2321850.41

STA 4+00.00 ~ WASTEWATER LINE
 CONST STD 4" DIA RECEIVING SSMH
 RIM = 676.00
 N 7010917.72
 E 2321883.03



BRINKLEY SARGENT WIGNTON ARCHITECTS

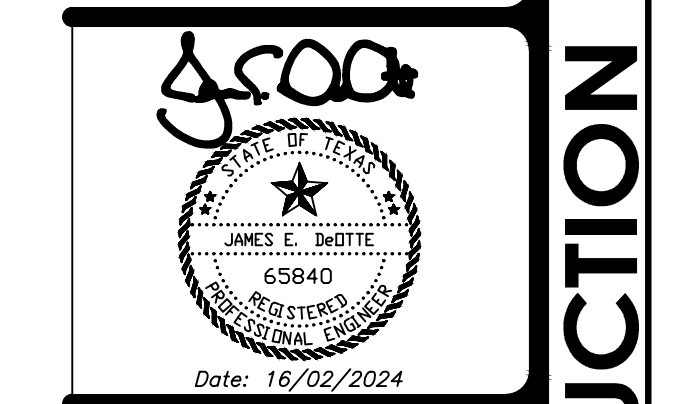
Architect: Brinkley Sargent Wignton Architects (972) 960-9970
 Landscape: Kendall + Landscape Architecture (214) 739-3226
 Structural: AC&E (214) 420-7002
 MEP: MEF Consulting Engineers (MEPCE) (772) 870-9060
 Civil: DeOthe Engineering (817) 446-6877
 Technology: TBD

NORTHWEST COMMUNITY CENTER

8375 BLUE MOUND ROAD FT WORTH, TX 76137

History

#	Date	Description
1	11/18/22	ADDENDUM #1
2	12/07/22	ADDENDUM #2
3	03/03/23	PROPOSAL REQUEST #1
4	04/19/23	RFI #3
5	05/24/23	RFI #4 & RFI #6
6	06/08/23	PROPOSAL REQUEST #2
7	06/30/23	RFI #7
8	09/18/23	PROPOSAL REQUEST #3
9	02/16/24	PROPOSAL REQUEST #4



WASTEWATER
 PLAN SHEET 1
 OF 3

UTILITY NOTE:

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FORT WORTH WATER DEPT	(817) 392-8296
FORT WORTH TPW	(817) 392-8100
TEXAS 811 (LOCATING SERVICE)	811
SPECTRUM CONSTRUCTION SUPPORT	(855) 558-6793
MCI (OWNER OF WESTERN UNION LINES)	(800) 624-9675
AT&T	(817) 338-6292
VERIZON	(800) 837-4966
AT&S ENERGY	(800) 817-8090
ONCOR ELECTRIC DELIVERY	(888) 313-6862

NOTES:

- Contractor to verify all underground utilities prior to starting construction or demolition.
- All Erosion Control BMP's will be installed prior to any grading activities.
- All fill shall be compacted to a minimum of 95% Standard Proctor Density.
- Coordinates given are NAD83 State Plane North Central Texas with a scale factor of 1,000,152,6298
- See NWP 58 Notes on sheet C0.1

WARNING TO CONTRACTOR:

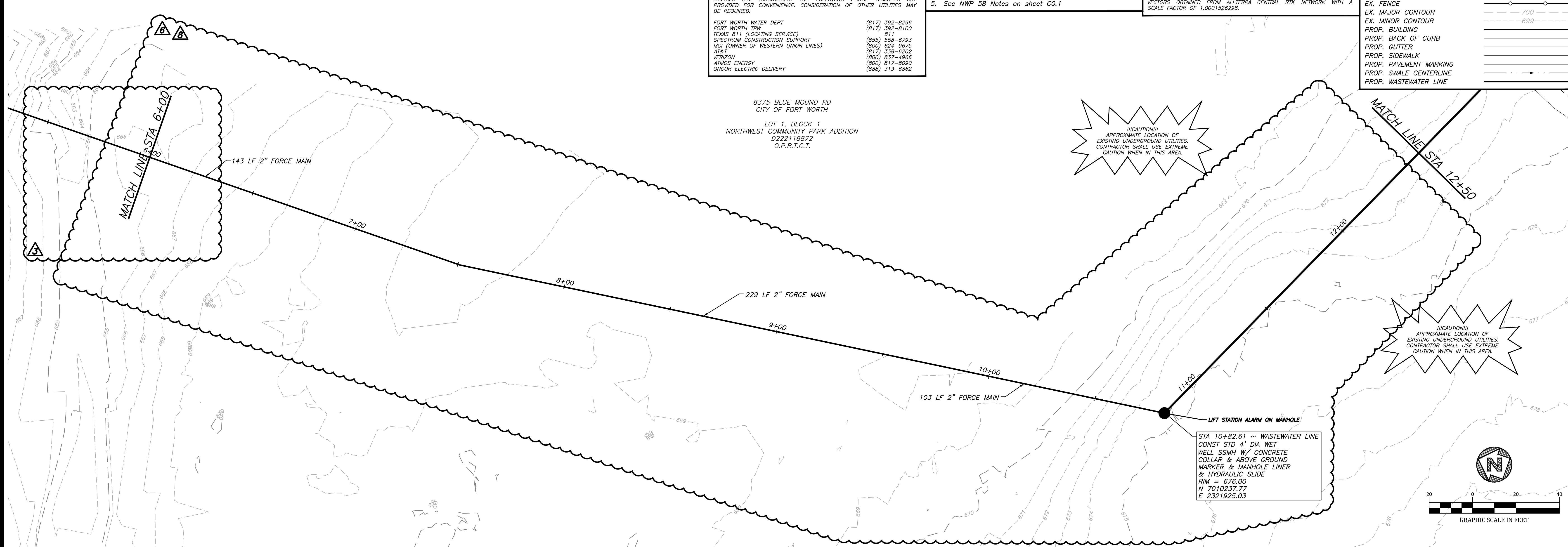
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HORIZONTAL AND VERTICAL CONTROL:

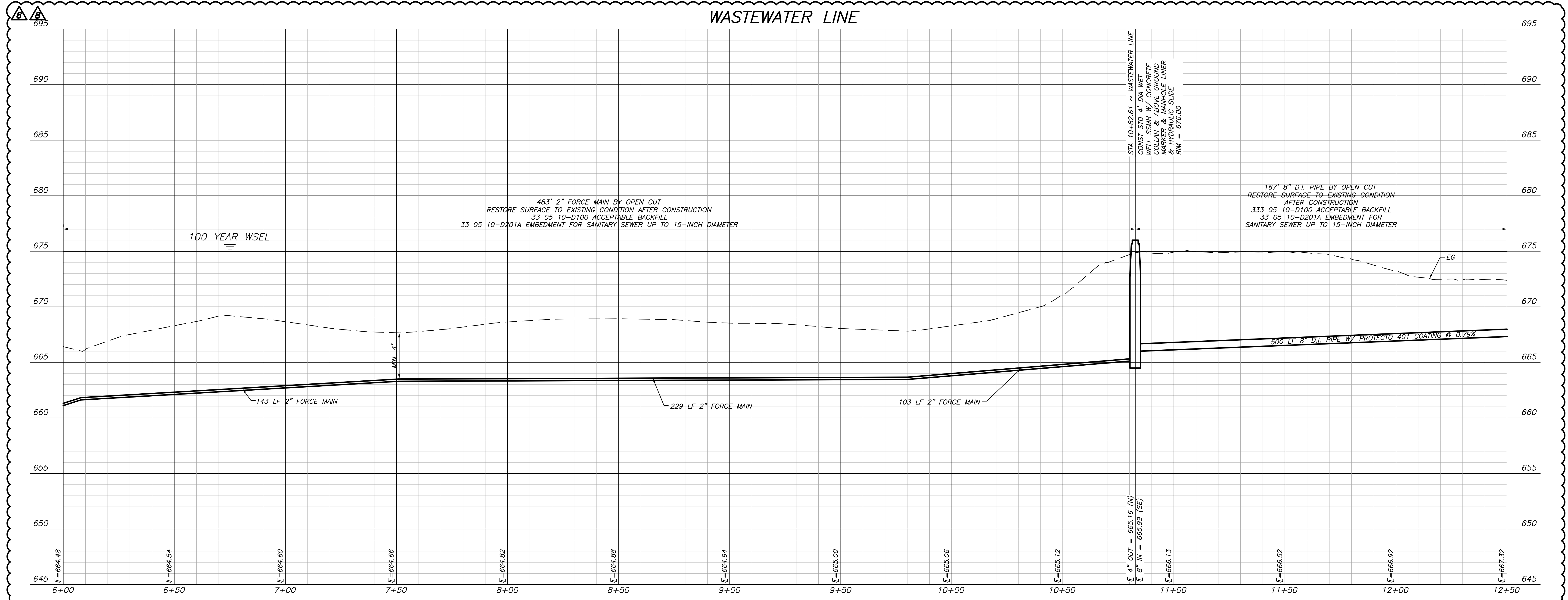
ALL BEARINGS AND COORDINATES ARE IN US SURVEY FEET SURFACE AND REFERENCED TO THE TEXAS COORDINATE SYSTEM, MAD-83, THE NORTH CENTRAL ZONE 4202, VERTICAL IS NAD-88, AS DERIVED FROM GPS VECTORS OBTAINED FROM ALTIERRA CENTRAL PARK NETWORK WITH A SCALE FACTOR OF 1,000,152,6298.

LEGEND:

PROPERTY BOUNDARY	---
ADJOINER BOUNDARY	---
EX. EASEMENT	---
EX. EDGE ASPHALT	---
EX. CONCRETE	---
EX. GRAVEL	---
EX. ASPHALT	---
EX. FENCE	---
EX. MAJOR CONTOUR	---
EX. MINOR CONTOUR	---
PROP. BUILDING	---
PROP. BACK OF CURB	---
PROP. GUTTER	---
PROP. SIDEWALK	---
PROP. PAVEMENT MARKING	---
PROP. SWALE CENTERLINE	---
PROP. WASTEWATER LINE	---



WASTEWATER LINE



LIFT STATION ALARM ON MANHOLE
 STA 10+82.61 ~ WASTEWATER LINE
 CONST STD 4' DIA WET WELL SSMH W/ CONCRETE COLLAR & ABOVE GROUND MARKER & MANHOLE LINER & HYDRAULIC SLIDE
 RIM = 676.00
 N 7010237.77
 E 2321925.03

STA 10+82.61 ~ WASTEWATER LINE
 CONST STD 4' DIA WET WELL SSMH W/ CONCRETE COLLAR & ABOVE GROUND MARKER & MANHOLE LINER & HYDRAULIC SLIDE
 RIM = 676.00

167' 8" D.I. PIPE BY OPEN CUT
 RESTORE SURFACE TO EXISTING CONDITION AFTER CONSTRUCTION
 33 05 10-D201A ACCEPTABLE BACKFILL
 33 05 10-D201A EMBEDMENT FOR SANITARY SEWER UP TO 15-INCH DIAMETER

100 YEAR WSEL

483' 2" FORCE MAIN BY OPEN CUT
 RESTORE SURFACE TO EXISTING CONDITION AFTER CONSTRUCTION
 33 05 10-D100 ACCEPTABLE BACKFILL
 33 05 10-D201A EMBEDMENT FOR SANITARY SEWER UP TO 15-INCH DIAMETER

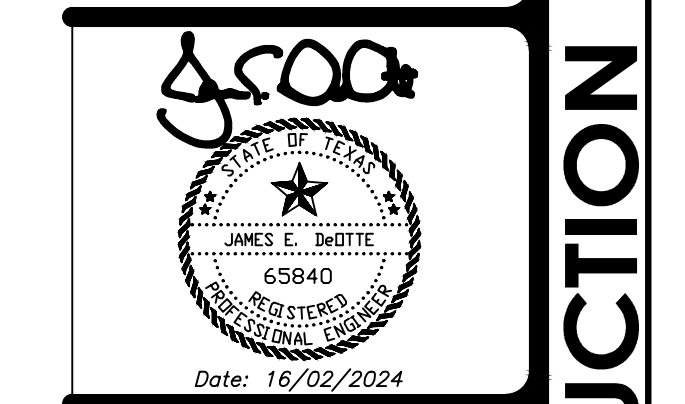
BRINKLEY SARGENT WIGINTON ARCHITECTS

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 Civil: DeOHe Engineering (817) 446-6877
 Technology: TBD

NORTHWEST COMMUNITY CENTER
 8375 BLUE MOUND ROAD FT WORTH, TX 76137

History

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WASTEWATER PLAN SHEET 2 OF 3

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 ATMOS ENERGY (800) 817-6090
 ONCOR ELECTRIC DELIVERY (888) 313-6862

8375 BLUE MOUND RD
 CITY OF FORT WORTH
 LOT 1, BLOCK 1
 NORTHWEST COMMUNITY PARK ADDITION
 D222118872
 O.P.R.T.C.T.

NOTES:

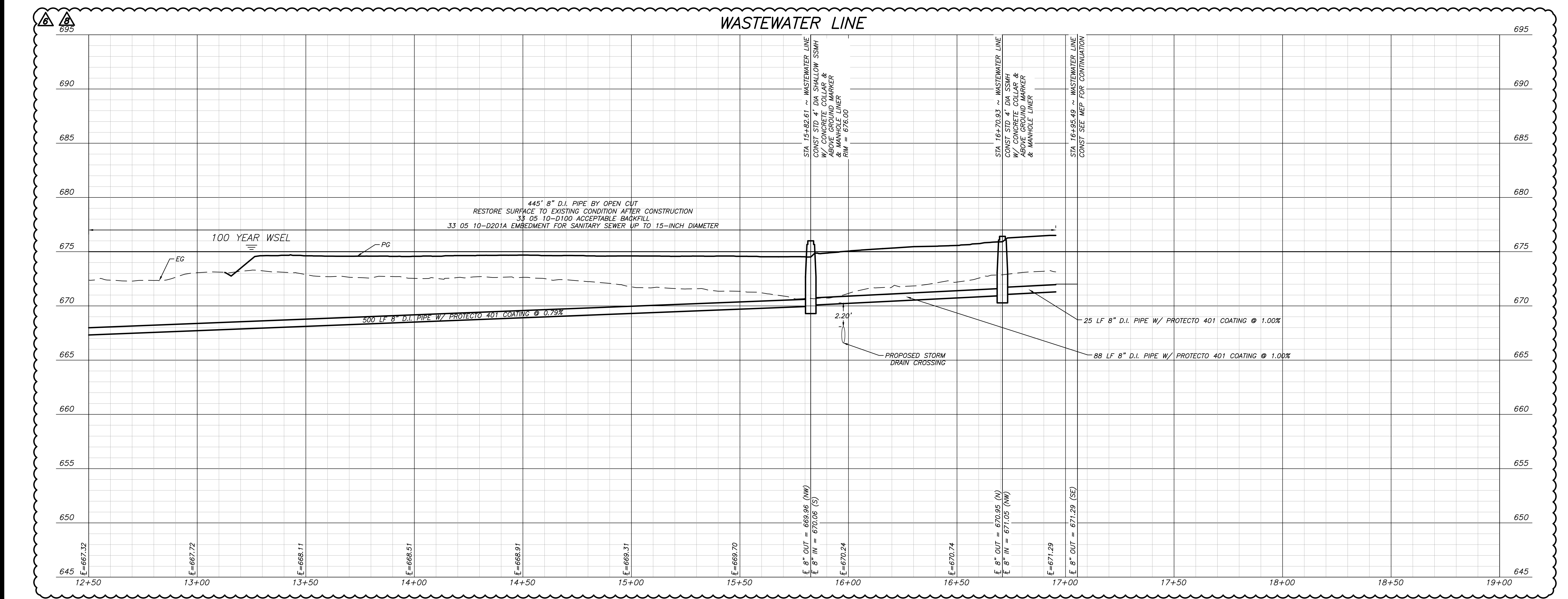
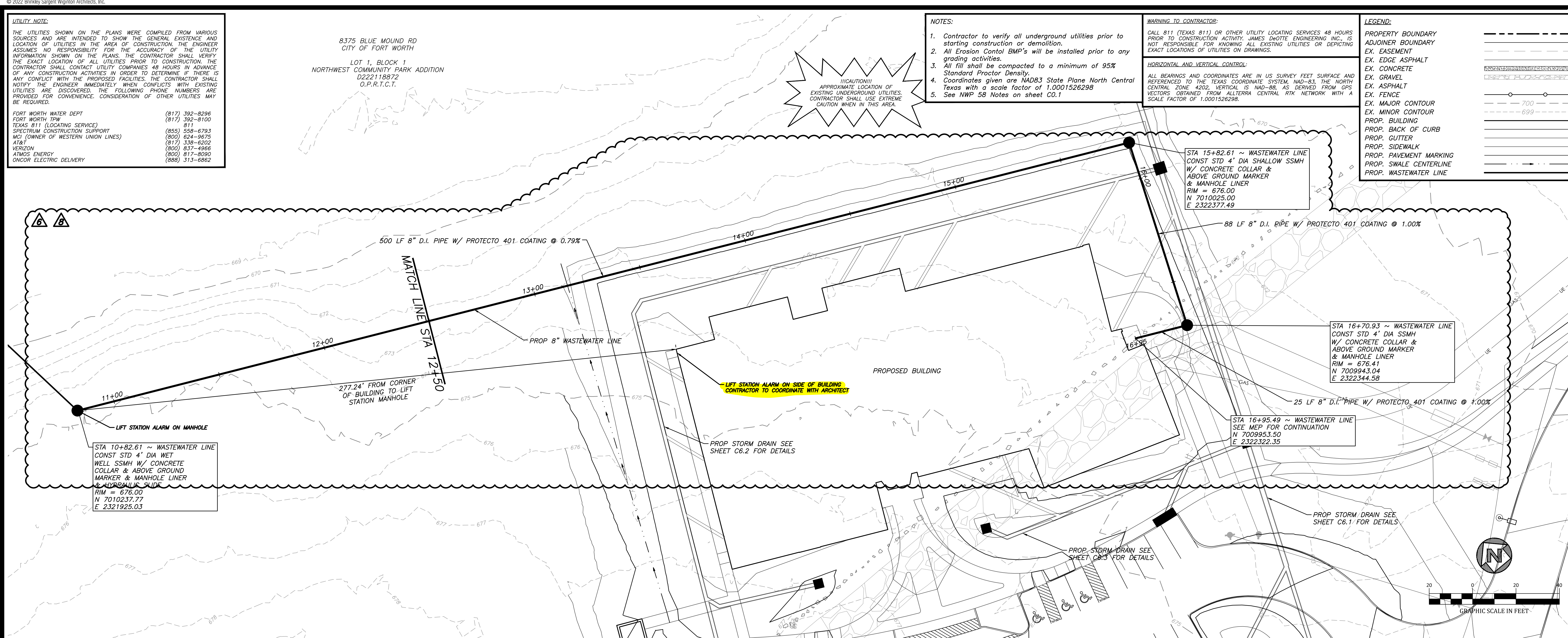
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- See NWP 58 Notes on sheet C0.1

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- ADJOINER BOUNDARY
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- EX. EDGE ASPHALT
- EX. CONCRETE
- EX. GRAVEL
- EX. ASPHALT
- EX. FENCE
- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- PROP. BUILDING
- PROP. BACK OF CURB
- PROP. GUTTER
- PROP. SIDEWALK
- PROP. PAVEMENT MARKING
- PROP. SWALE CENTERLINE
- PROP. WASTEWATER LINE



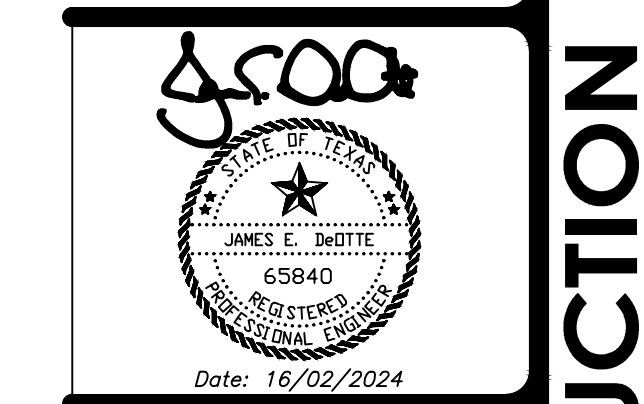
BRINKLEY SARGENT WIGINTON ARCHITECTS

Architect: Brinkley Sargent Wiginton Architects (972) 960-9970
 Landscape: Kendall + Landscape Architecture (214) 739-3226
 Structural: AG&E (214) 420-7002
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 Civil: DeOHe Engineering (817) 446-6877
 Technology: TBD

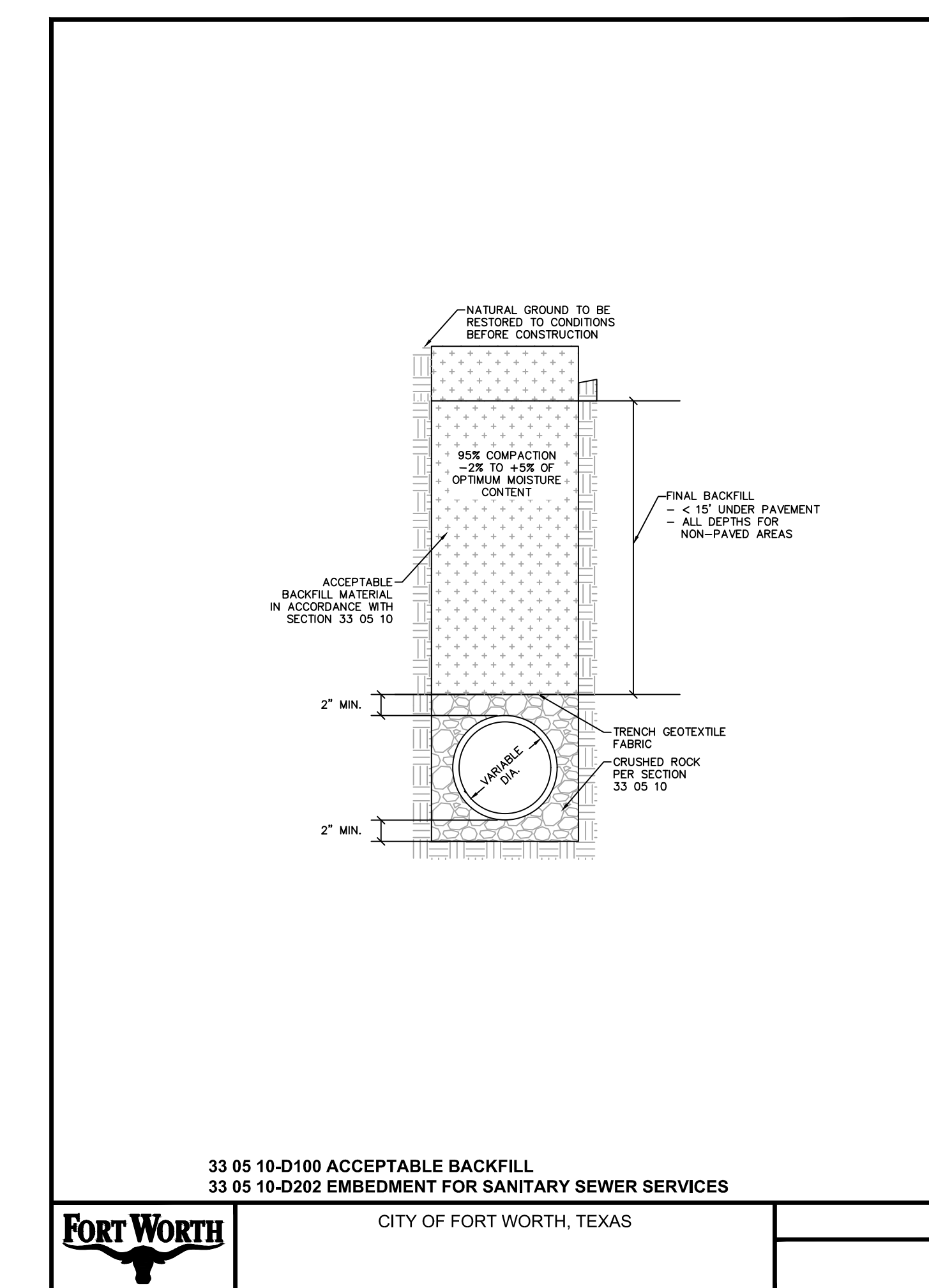
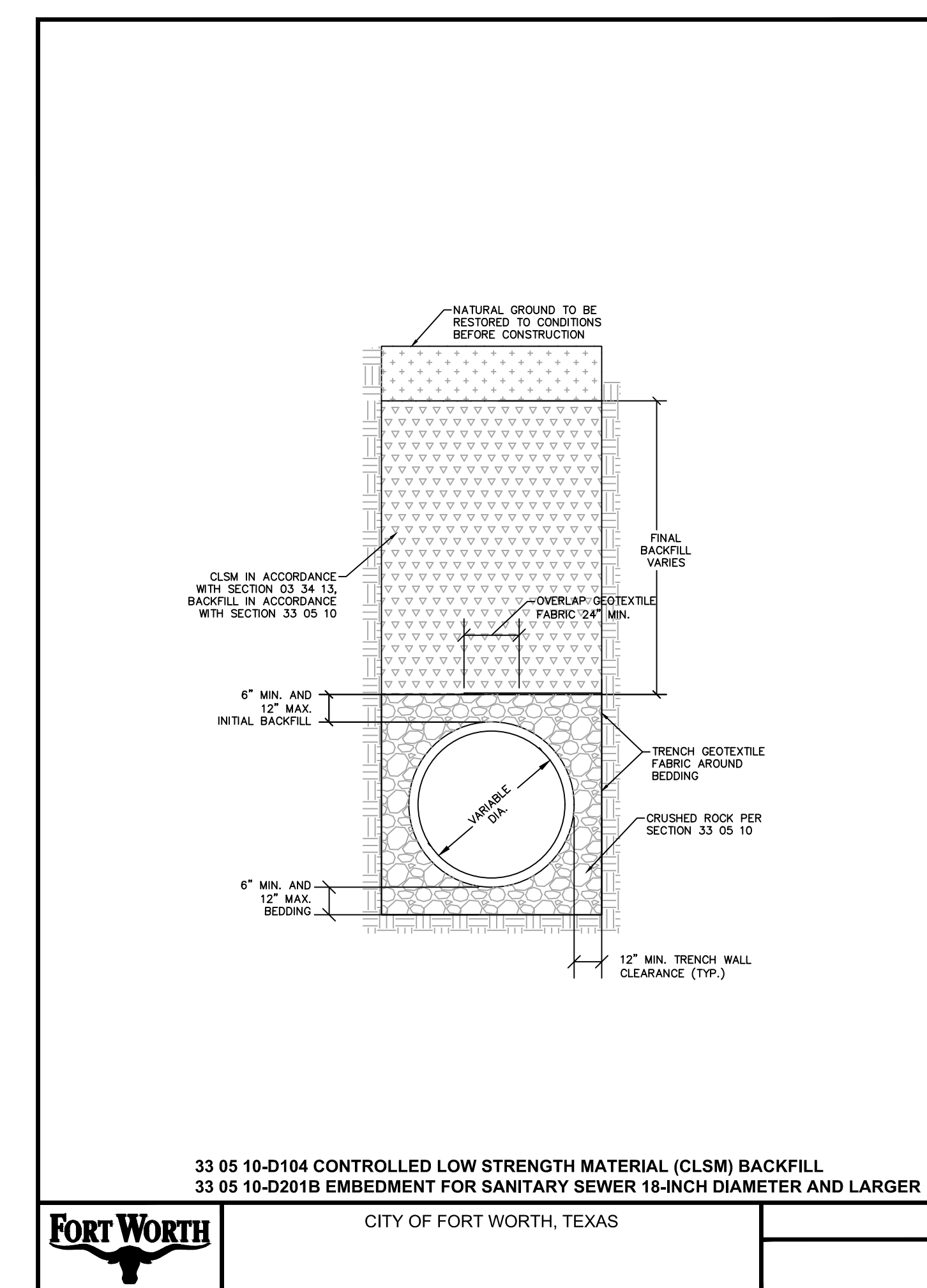
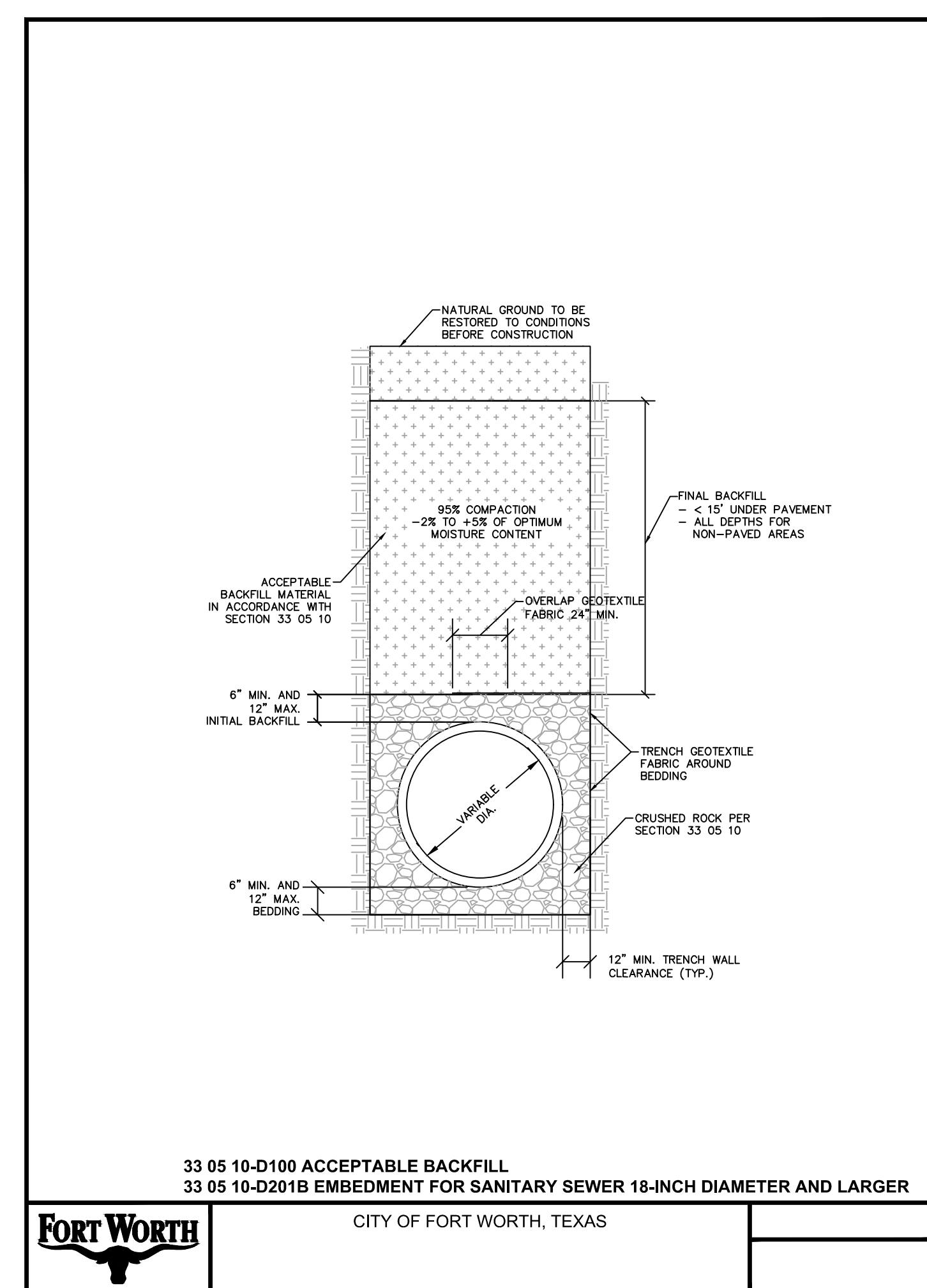
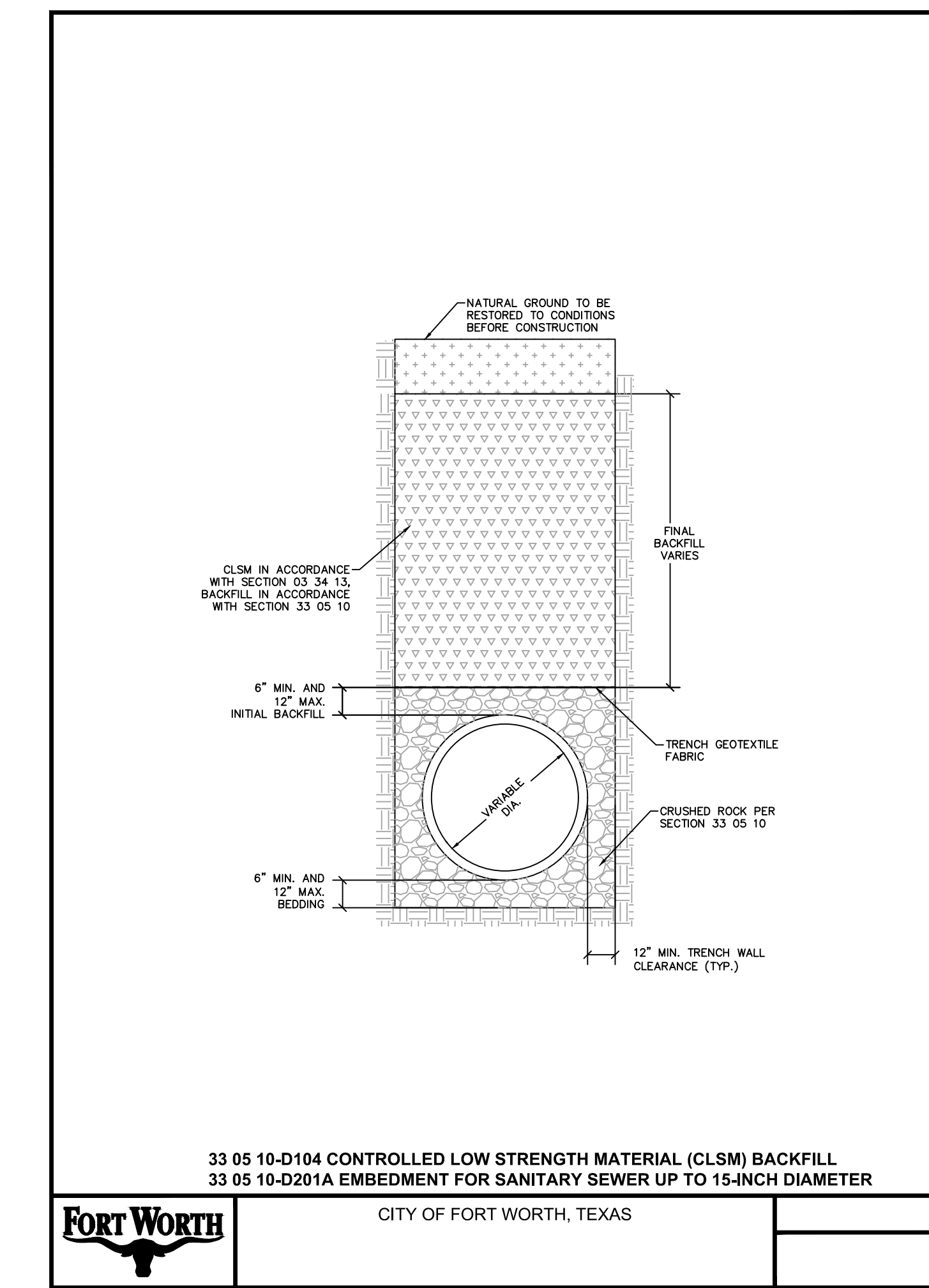
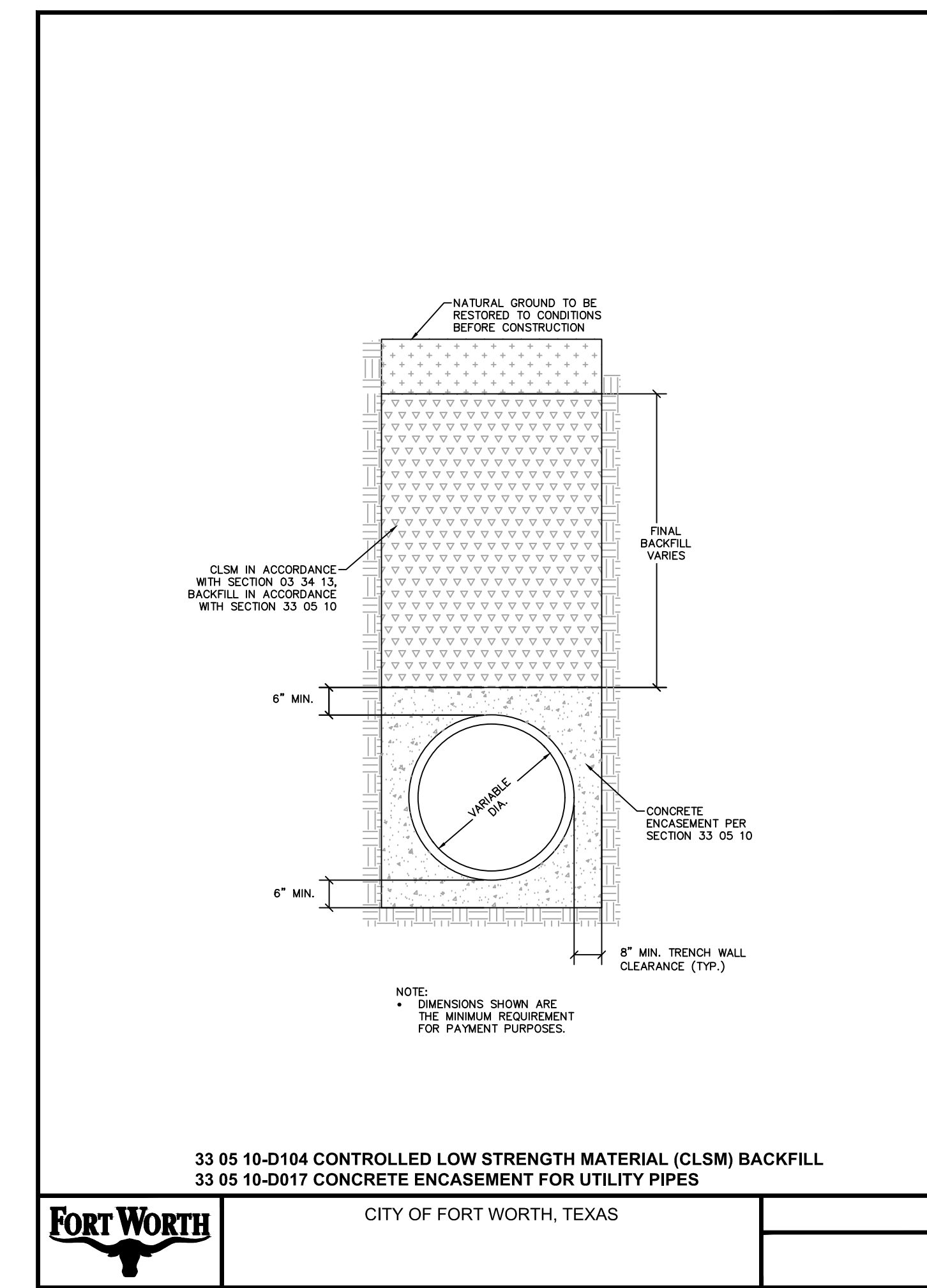
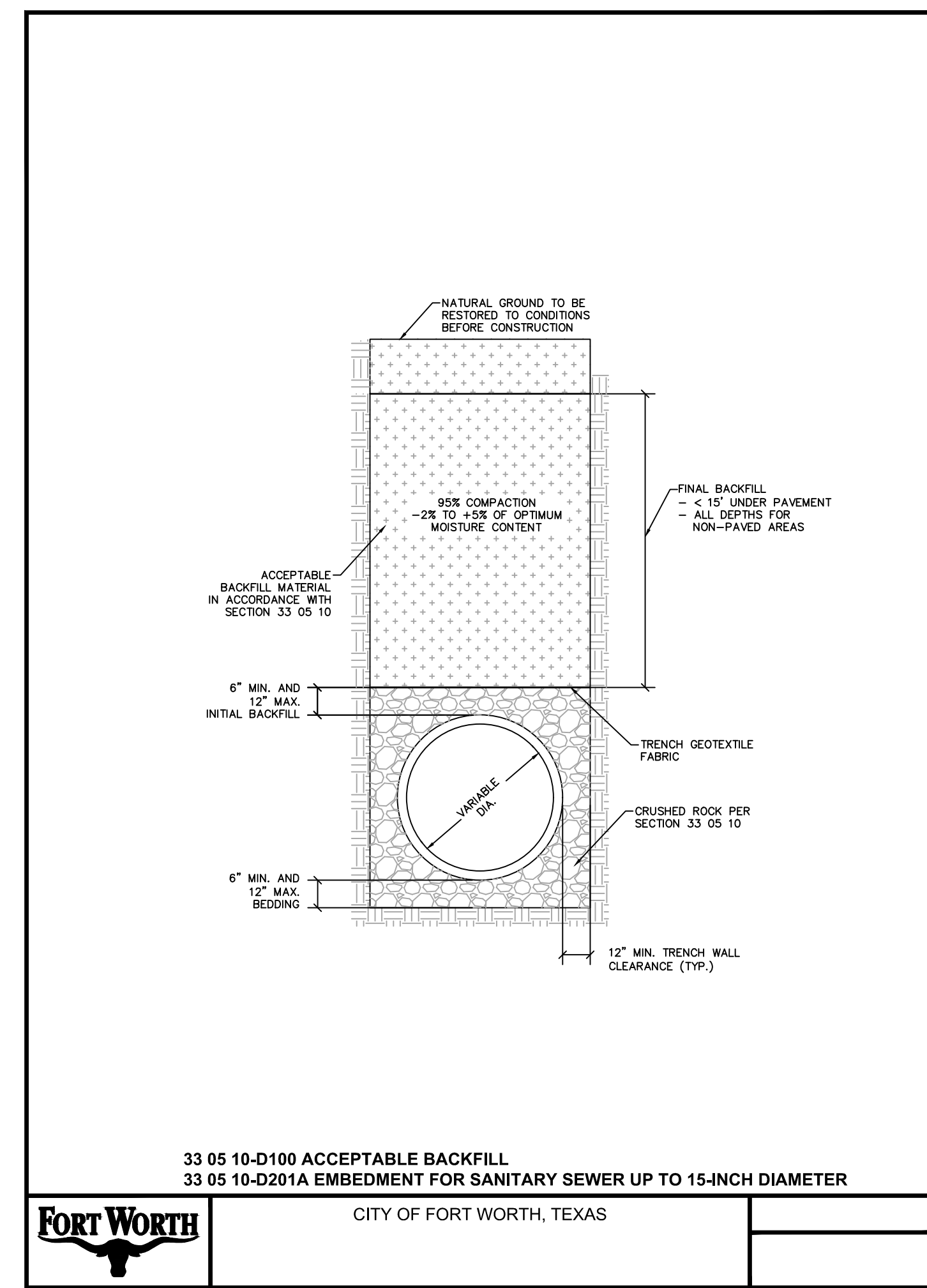
**NORTHWEST
 COMMUNITY CENTER**
 8375 BLUE MOUND ROAD FT WORTH, TX 76137

History

#	Date	Description
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7	06/30/23	RFI #7
8	09/18/23	PROPOSAL REQUEST #7
9	02/16/24	PROPOSAL REQUEST #9



WASTEWATER
 PLAN SHEET 3
 OF 3



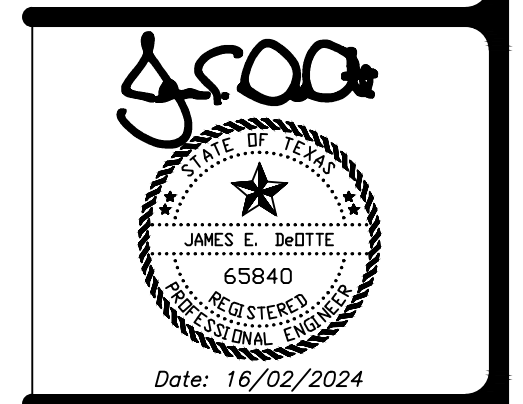
NORTHWEST COMMUNITY CENTER

8375 BLUE MOUND ROAD FT WORTH, TX 76137

Architect: Brinkley Sargent Wiginton Architects (972) 960-9970
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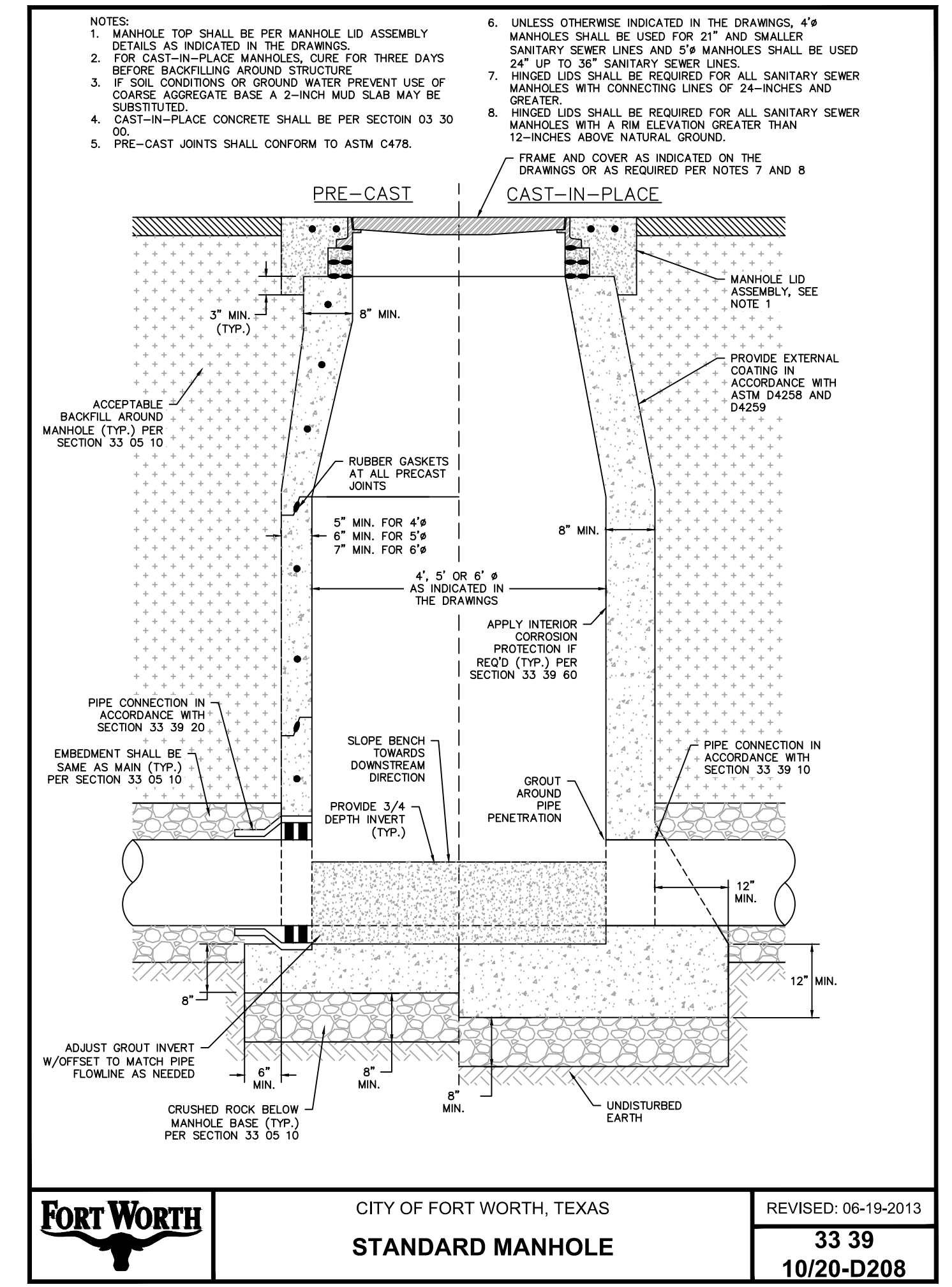
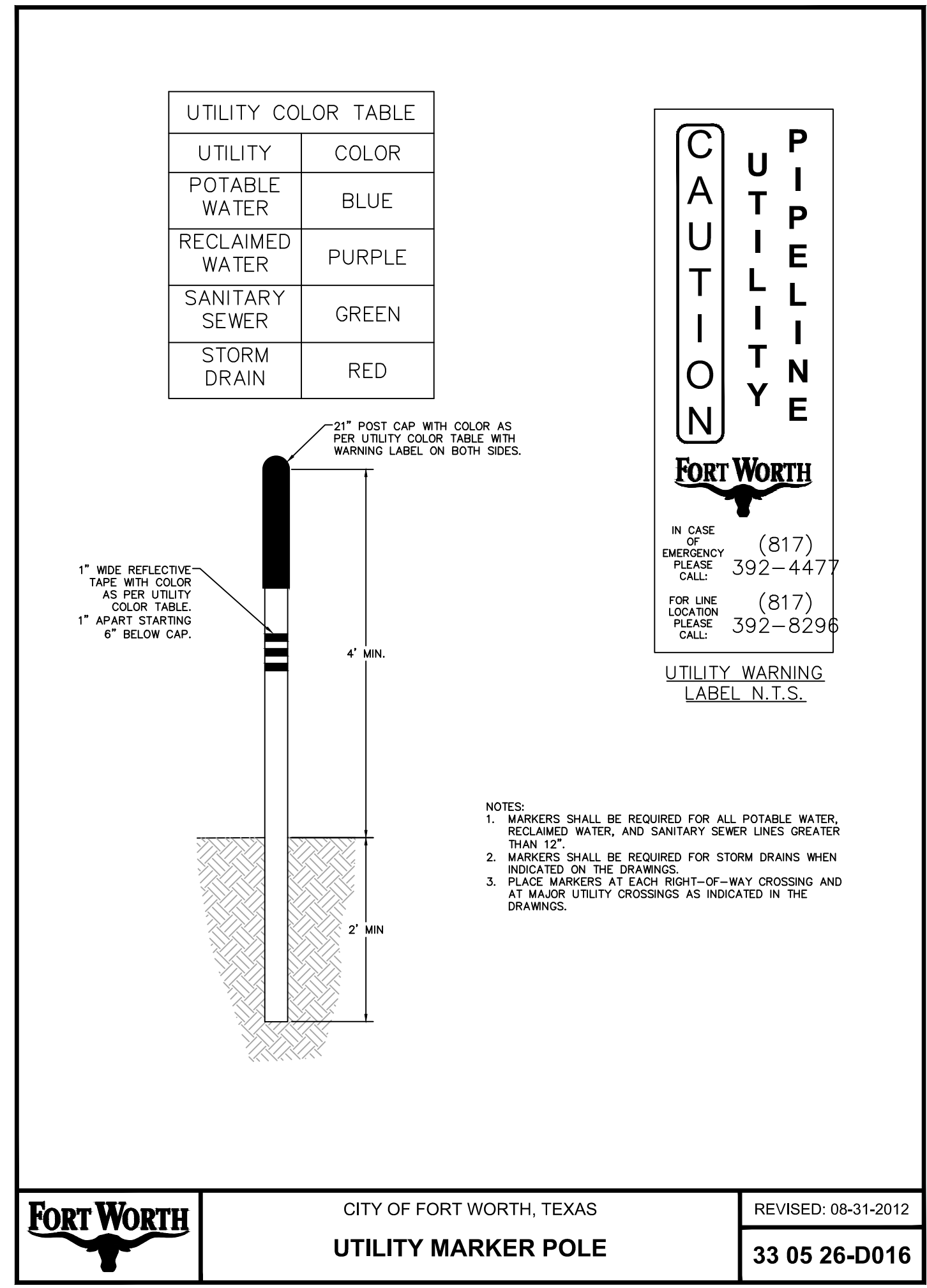
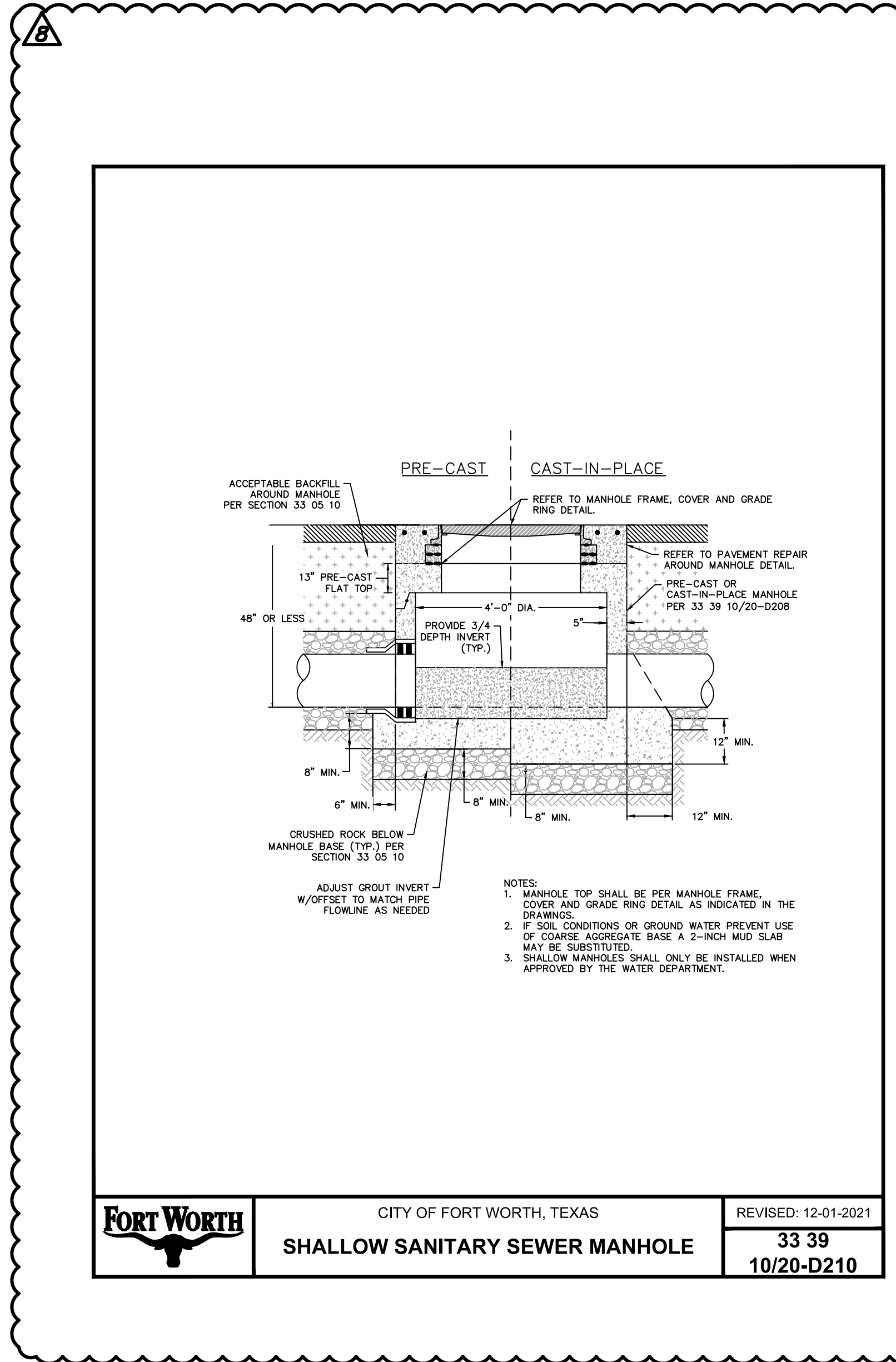
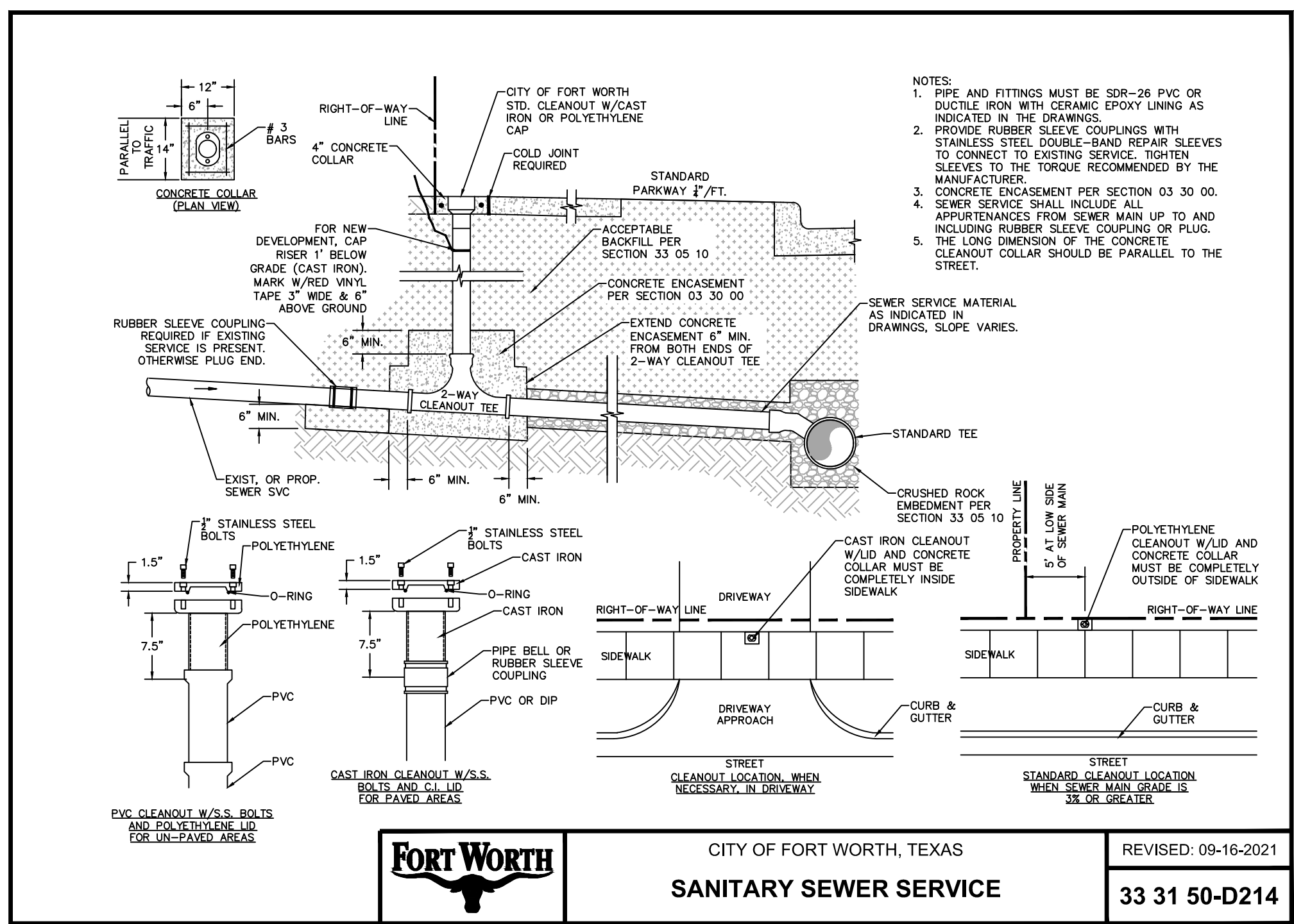
BRINKLEY SARGENT WIGINTON ARCHITECTS

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9	02/16/24	PROPOSAL REQUEST #9



WASTEWATER
DETAILS SHEET
1 OF 2

CONSTRUCTION ISSUE



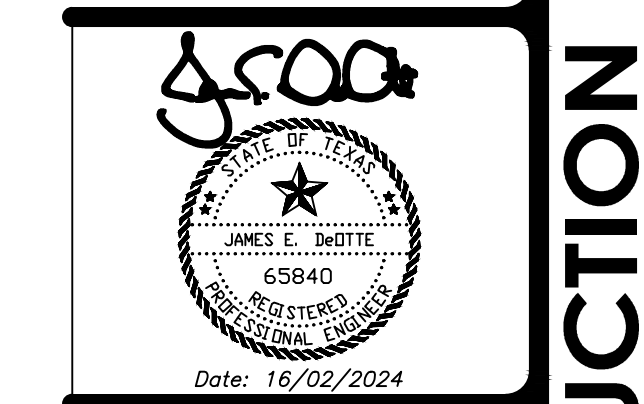
Architect: Brinkley Sargent Wiginton Architects (972) 965-9970
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NORTHWEST COMMUNITY CENTER

8375 BLUE MOUND ROAD FT WORTH, TX 76137

History

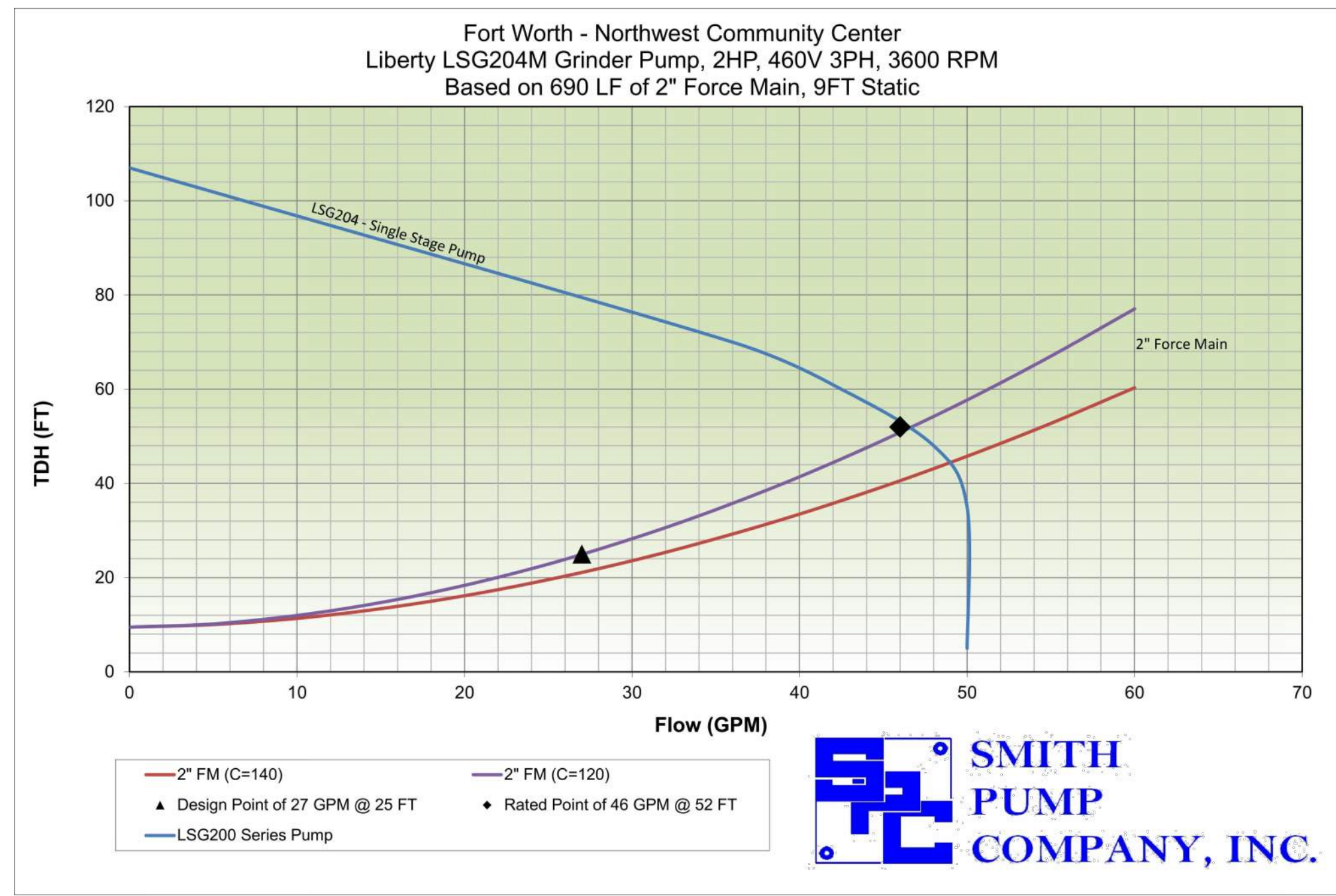
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WASTEWATER DETAILS SHEET
 2 OF 2

BRINKLEY SARGENT WIGINTON ARCHITECTS

CONSTRUCTION ISSUE



Fort Worth - Northwest Community Center Sewage Lift Station

PUMP CYCLE CALCULATOR

SMITH PUMP COMPANY, INC.
 4828 Marvin Luther King Hwy. Fort Worth, TX 76116
 PH: 817-589-2000 Fax: 817-589-4900

INPUT DATA

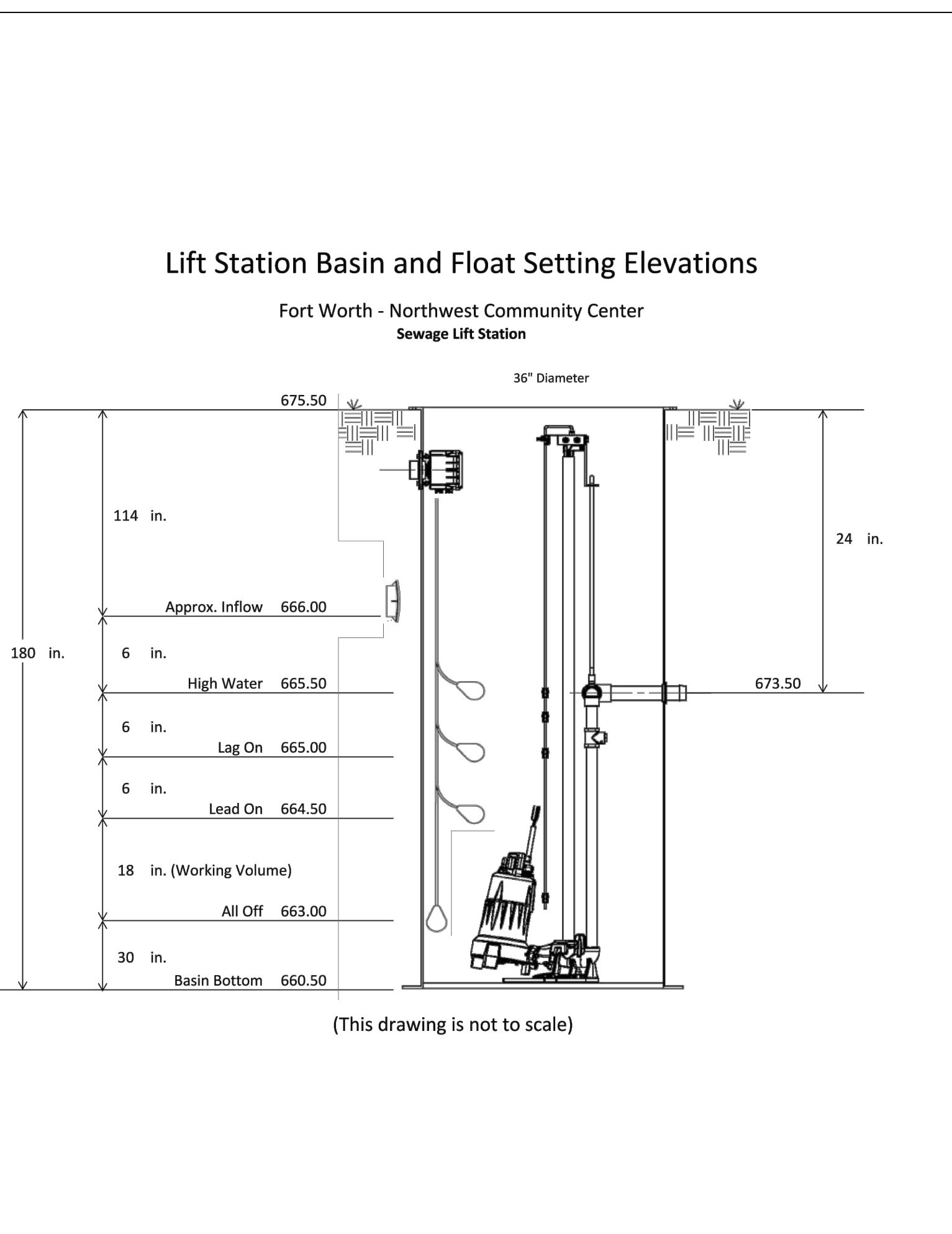
Well/Well Diameter (in)	36
Pump Down Distance (in)	18
Working Volume (gall)	79
Average Pump Flow (gpm)	50
Surcharge Volume (if applicable)	0
Lift Station Inflow Rate (gpm)	1

CALCULATED RESULTS @ ABOVE INFLOW GPM

Working Volume (ft³) (See Storage Time) (min)	79.3	15.9	7.9	5.3	4.0	3.2	2.6	2.2	1.9	1.6	1.4
Pump Run Time without Inflow (min)	1.6	3.2	4.8	6.4	8.0	9.6	11.2	12.8	14.4	16.0	17.6
Pump Run Time with Inflow (min)	1.6	1.6	2.0	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.4
Pump Run Time + Inflow Time (min)	3.2	4.8	6.8	8.7	10.6	12.5	14.4	16.3	18.2	20.1	22.0
Starts / HR with Inflow	0.7	1.4	2.1	2.9	3.6	4.3	5.0	5.7	6.4	7.1	7.8

* If a surcharge volume is entered, it will be added to Pump Down Volume and included in all calculations.

Conclusion:
 If the Off float and LEAD float are spaced 18 inches apart, the pump cycle will be 9.5 starts per hour at worst case inflow rate. The submersible pump manufacturer will allow around 10 starts per hour maximum for a pump this size for proper heat dissipation.



EPS Engineered Pump Systems

Liberty Pumps

A Family and Employee Owned Company

Order an EPS from Liberty Pumps... We make your job easy!

Grinder Systems
Solids Handling Systems
Simplex/Duplex

Pumps, control panels and basins - in a large assortment of configurations. Liberty Pumps can provide the specific pump system to meet your job requirements.

X-Series
 Explosion-proof models available for hazardous locations!

SSPMA
 IFC

innovate. evolve

LSG200-SERIES

Omnivore® Grinders

Liberty Pumps
 A Family and Employee Owned Company

2 hp 1-1/4" Discharge

Features

- Patented V-Slice® Cutter Technology
- One-piece uni-body casting
- Stainless-steel impeller
- Quick-connect power cord
- Internal or external capacitor models available
- 300 Series SS rotor shaft

Patent: See www.LibertyPumps.com/patents

3 Year Warranty
 POWDER COATED TOUGH

SSPMA
 IFC

innovate. evolve

LSG200-Series

Liberty Pumps LSG200-Series Grinder Pumps meet the demanding needs of commercial and residential sewage applications where difficult solids handling ability is crucial. The LSG200-Series features a superior cutting system made of hardened 440 stainless steel - Rockwell C 58, for shearing solids into small particles prior to being passed to the discharge by the impeller under high pressure. Applications include individual or groups of homes, motels, schools, shopping centers, lakefront developments and systems requiring high pressure sewer pumping.

Features

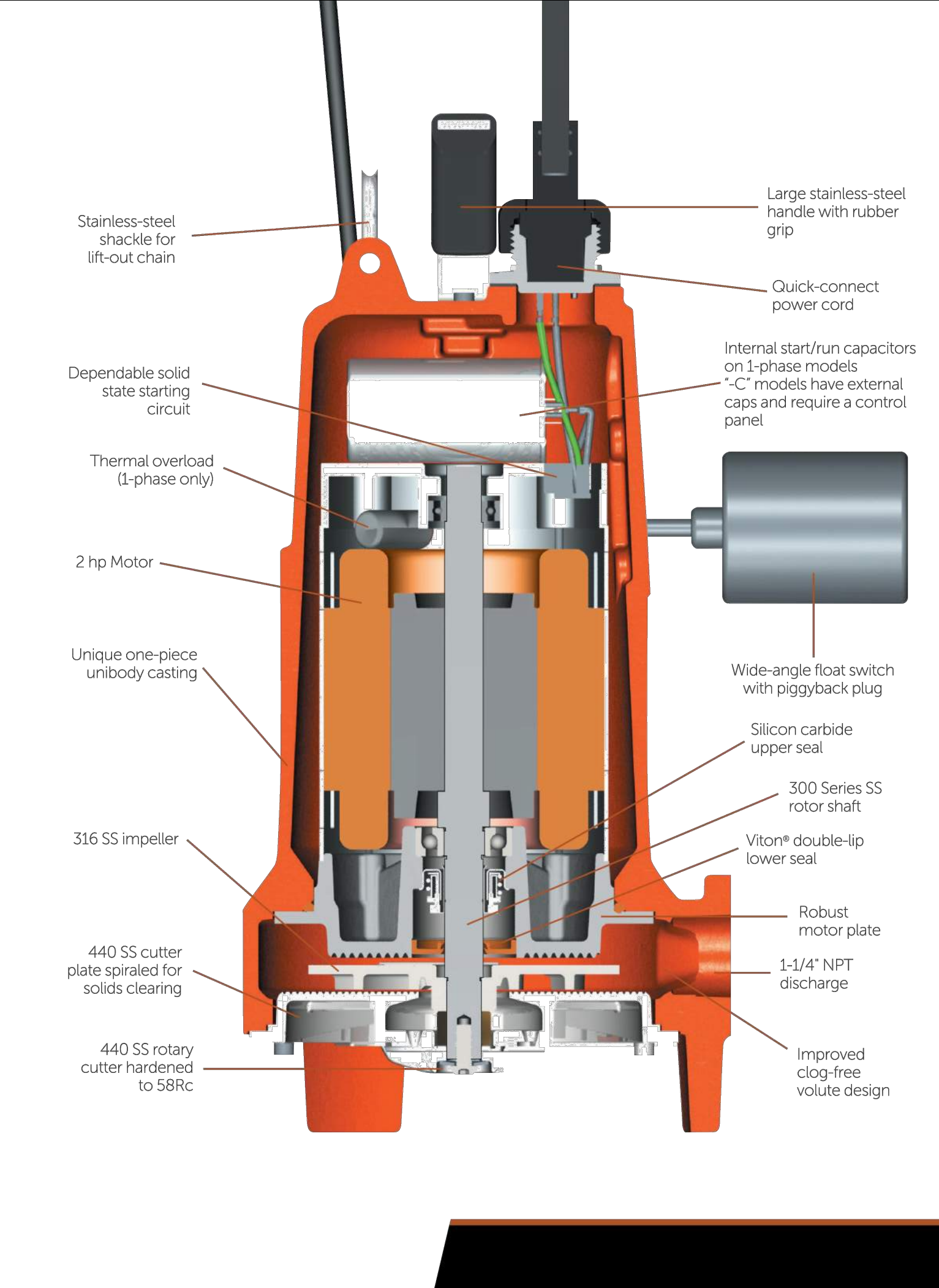
- 2 hp, heavy-duty motor - oil-filled, thermally protected
- Upper and lower ball bearings
- One-piece uni-body cast-iron housing
- 300 Series SS rotor shaft
- 316 Stainless-steel impeller
- Dual seals - Upper seal is unitized durable silicon carbide. Lower seal is Viton® double-lip. (Lower seal ensures that all debris is kept away from upper seal)
- Motor windings insulated to Class B (130°C)
- Advanced V-Slice® Cutter Technology made of hardened 440 stainless steel - Rockwell C 58
- Horizontal 1-1/4" FNPT discharge
- Back vanes on impeller and spiraled bottom plate for superior solids clearing
- Stainless-steel fasteners
- Clog-free volute design
- Designed for maximum heat dissipation and cool motor operating temperatures
- Solid state starting circuit - no mechanical relay coil
- Quick-connect 25' power cord
- Piggyback plug with wide-angle float switch (on automatic model) eliminates need for expensive panel
- Advanced V-Slice® Cutter Technology made of hardened 440 stainless steel - Rockwell C 58
- Viton® is a registered trademark of DuPont Dow Elastomers LLC.

V-Slice® Cutter Technology

Superior cutting system provides improved shredding performance over radial cutters. V-pattern provides up to 108 alternated cuts per revolution. Entire cutting system made of 440 stainless steel hardened to S8RC.

Recessed cutter bolt eliminates wadding
 Exclusion cleanout slots and back relief clears debris from under cutter

Patent: See www.LibertyPumps.com/patents



LSG200-Series

Performance Curve
 60 Hz, 3450 RPM

Dimensional Data

Models

MODEL	HP	VOLTS	PHASE	HZ	AMPS	LOCKED ROTOR AMPS	DISCHARGE	FLOAT SWITCH	WEIGHT
LSG202A	2	208-230	1	60	15	53	1-1/4"	Yes	86 lbs
LSG202A-5-Y	2	208-230	1	60	15	53	1-1/4"	Yes	86 lbs
LSG202M	2	208-230	1	60	15	53	1-1/4"	No	84 lbs
LSG202M-C	2	208-230	1	60	15	53	1-1/4"	No	84 lbs
LSG203M	2	208/230	3	60	10.6	62	1-1/4"	No	84 lbs
LSG204M	2	440-480	3	60	5.3	31	1-1/4"	No	84 lbs
LSG205M	2	575	3	60	4.9	31	1-1/4"	No	84 lbs

Options for LSG202M-C: External Cap Grinder

MODEL	DESCRIPTION
K001316	Start/Run Capacitor Kit for retrofit in existing panels
SXHC24-3-3	Simplex NEMA 4X Panel with start/run capacitors
AE24HC-3-3	Duplex NEMA 4X Panel with start/run capacitors

For complete panel specifications, see SX or AE-series literature. 25' cord standard on all models. LSG202M-C features 50' cord standard. Y-cord models have a 50' cord.

GR20 Guide Rail Base (GR20 option sold separately)

- Cast iron construction
- Single 1-1/4" guide rail pipe design
- Auto alignment feature
- GR20 works only with LSG-Series pumps
- Upper rail support bracket

Specifications subject to change without notice.
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Liberty Pumps - 7000 Apple Tree Avenue - Bergen, New York 14416
 Phone 800-543-2550 - Fax 585-494-1839 - LibertyPumps.com

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NORTHWEST COMMUNITY CENTER

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ASO
 ARCHITECTURAL SERVICES ORGANIZATION
 63840
 Date: 16/02/2024

LIFT STATION DETAILS SHEET 1 OF 2

21918.00
 08/14/2023
 C4.6

CONSTRUCTION ISSUE

**NORTHWEST
 COMMUNITY CENTER
 8375 BLUE MOUND ROAD FT WORTH, TX 76137**

Grinder Pump Accessories



A Family and Employee Owned Company

GR20-Series Guide Rail Base for Omnivore® Grinders

All GR20 Models

- Single guide pipe design with auto-align feature
- Flange coating for corrosion resistance
- Heavy nylon seating grommet
- Includes mating flange upper rail support bracket, stainless steel, 3/8" dia seating grommet

Model GR20 Standard Location

- For USG and USG-1 Series
- All cast iron
- 1-1/4" guide pipe threads (NPT)
- 1-1/4" discharge threads (NPT)

Model GR20NS Hazardous Location

- For XLSC and XLSC-1 Series
- Iron base with bronze end-spacing mating column
- 1-1/4" guide pipe threads (NPT)
- 1-1/4" discharge threads (NPT)

Model GR20-BSP British Parallel Thread

- For USG and USG-1 Series
- All cast iron
- 1-1/4" guide pipe threads (BSP)
- 1-1/4" discharge threads (BSP)

GR90-Series Flanged Elbow, 90 Degree

- Internal circular design for clean flow
- Provides vertical discharge for non-suderal installations
- 1-1/4" female threaded outlet
- Heavy cast iron construction
- Powder coated for corrosion resistance
- Includes seating grommet and stainless steel bolts

Model GR90 1-1/4" NPT
 Model GR90-BSP 1-1/4" British parallel thread

ACV-Series Anti-siphon Check Valve

- 1-1/4" threaded female connections
- Heavy cast iron construction
- Integrated heavy weight anti-siphon ball check valve
- Anti-siphon feature breaks suction to prevent unwanted tank siphonage
- 1/2" NPT

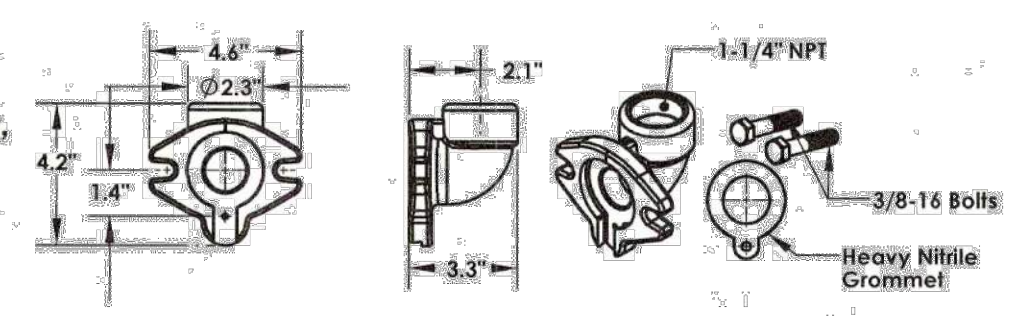
Model ACV25 1-1/4" NPT
 Model ACV25-BSP 1-1/4" British parallel thread

Innovate. evolve.

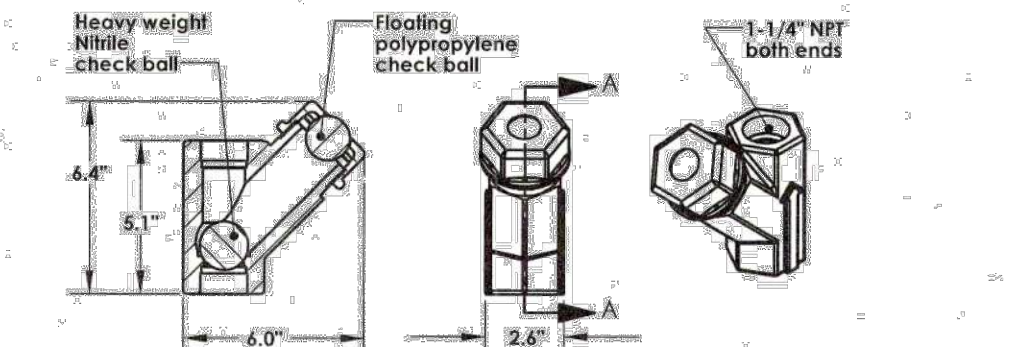
Grinder Pump Accessories

Dimensional Data

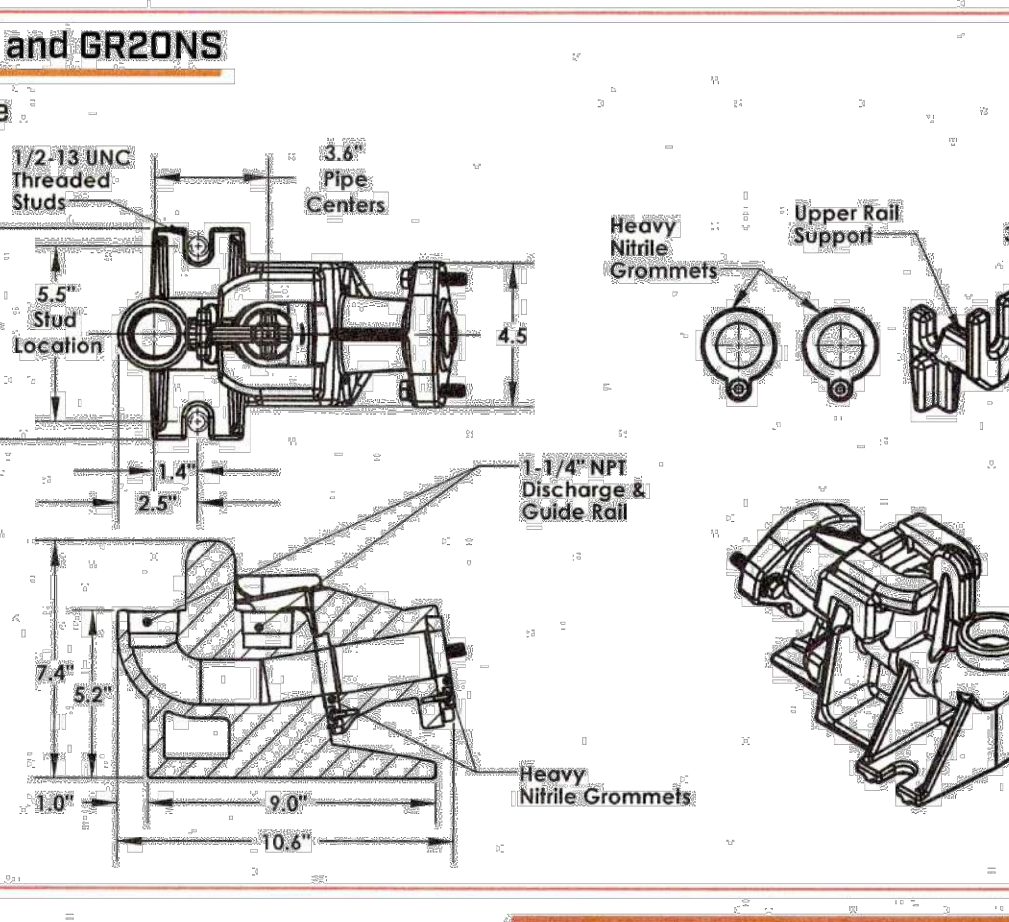
Model GR90
 Flanged Elbow, 90 Degree



ACV125
 Anti-Siphon Check Valve




Model GR20 and GR20NS
 Guide Rail Base



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 Phone 800-543-2550 - Fax 585-494-1839 - LibertyPumps.com

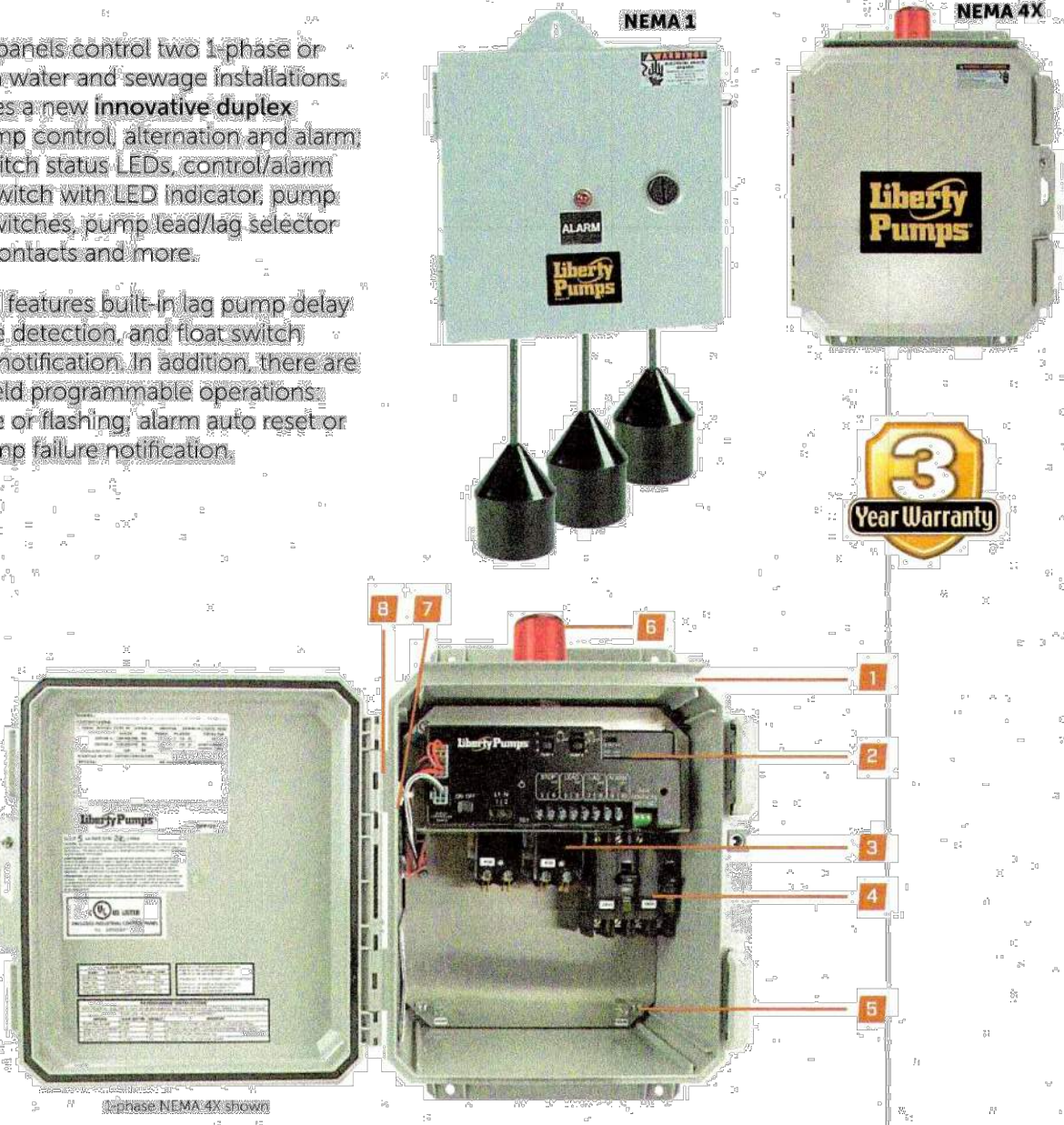
AE-SERIES Duplex Pump Controls



A Family and Employee Owned Company

AE-Series duplex panels control two 1-phase or 3-phase pumps in water and sewage installations. This panel includes a new innovative duplex controller for pump control, alternation and alarm including float switch status LEDs, control alarm power ON/OFF switch with LED indicator, pump run LEDs, HQA switches, pump lead/lag selector switch, auxiliary contacts and more.

The control panel features built-in lag pump delay time, pump failure detection, and float switch out-of-sequence notification. In addition, there are user-selectable field programmable operators, alarm steady-state or flashing, alarm auto reset or manual reset, pump failure notification.



Components

1. Heavy designed larger NEMA 4X enclosure for indoor/outdoor use
2. DIP shield
3. Heavy duty wide clamping secure tie rings
4. Stainless steel 1/8" turn cover self seal
5. Low profile large lockable cover
6. Integral mounting flange
7. Duplex Controller
 - a. Pump HQA switches with green/red LED indicators
 - b. Control power ON/OFF switch
 - c. Power ON green LED indicator
 - d. Float switch status red LED indicator
8. Float switch push-to-test buttons
9. Pump selection switch
10. Auxiliary alarm contacts
11. Terminal block for incoming power and float switch
12. Magnetic motor contactors control pumps by selecting electrical phase
13. Circuit breaker provides pump disconnect and branch circuit protection
14. Ground lugs
15. Red LED alarm beacon
16. Alarm horn
17. Exterior alarm test/normal/silence switch

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 Phone 800-543-2550 - Fax 585-494-1839 - www.LibertyPumps.com

AE-Series Duplex Pump Controls

Standard Features

Enclosure: 12" x 12" x 6" NEMA 4X - ultraviolet stabilized thermoplastic for outdoor use. NEMA 1 - metal for indoor use. Certain options may increase enclosure size.

Magnetic Motor Contactors: Controls pump by switching from electrical lines.

HQA Switches: Offer manual operation of pumps (on circuit board).

Green Pump Run Indicators: On circuit board.

Control ON/OFF Switch: On circuit board.

Float Switch Terminal Block: On circuit board.

Control/Alarm Auto Reset Fuses: 1/2" x 1/4" x 1/4" (1/2" x 1/4" x 1/4" VCC optional) (1/2" x 1/4" x 1/4" VCC optional) (1/2" x 1/4" x 1/4" VCC optional).

Control/Alarm Power ON Indicator: On circuit board.

Float Switch Status Indicators: Stop, lead, lag, alarm, alarm. Certain options may increase enclosure size.

Circuit Breakers: Provide pump disconnect and branch circuit protection.

Connection Terminal Block: On circuit board.

Auxiliary Contacts: On circuit board.

Ground Lugs: On circuit board.

Alarm Package: NEMA 4X is red beacon and horn (83 to 85 dB), exterior test/normal/silence switch.

NEMA 1: Door mounted red indicator and buzzer mounted internally (83 to 85 dB), exterior test/normal/silence switch.

MODEL	VOLTS	PHASE	FULL LOAD AMPS (Match pump amps)	ENCLOSURE TYPE	FLOAT SWITCHES
1-Phase					
AE21L-1	120/208/240	1	0 - 14.9A	NEMA 1	3
AE21H-1	120/208/240	1	15 - 20A	NEMA 1	3
AE21L-4	120/208/240	1	0 - 14.9A	NEMA 1	4
AE21H-4	120/208/240	1	15 - 20A	NEMA 1	4
AE24L-3	120/208/240	1	0 - 14.9A	NEMA 4X	3
AE24H-3	120/208/240	1	15 - 20A	NEMA 4X	3
AE24L-4	120/208/240	1	0 - 14.9A	NEMA 4X	4
AE24H-4	120/208/240	1	15 - 20A	NEMA 4X	4
3-Phase**					
AE34-1-131	208/240/480	3	1.6 - 2.5A	NEMA 4X	3
AE34-1-141	208/240/480	3	2.5 - 4.0A	NEMA 4X	3
AE34-1-171	208/240/480	3	4.0 - 6.3A	NEMA 4X	3
AE34-1-191	208/240/480	3	6.3 - 10.0A	NEMA 4X	3
AE34-1-151	208/240/480	3	9.8 - 16A	NEMA 4X	3
AE34-1-131	208/240/480	3	1.6 - 2.5A	NEMA 4X	4
AE34-1-141	208/240/480	3	2.5 - 4.0A	NEMA 4X	4
AE34-1-171	208/240/480	3	4.0 - 6.3A	NEMA 4X	4
AE34-1-191	208/240/480	3	6.3 - 10.0A	NEMA 4X	4
AE34-1-151	208/240/480	3	9.8 - 16A	NEMA 4X	4
AE34-1-161	575	3	1.6 - 2.5A	NEMA 4X	3
AE34-1-151	575	3	2.5 - 4.0A	NEMA 4X	3
AE34-1-161	575	3	4.0 - 6.3A	NEMA 4X	3
AE34-1-151	575	3	2.5 - 4.0A	NEMA 4X	4
AE34-1-161	575	3	4.0 - 6.3A	NEMA 4X	4

Float Switch Specifications

All standard duplex panels come equipped with (3) or (4) mercury-free pilot-duty float switches (depending on model), 30" cord standard. Optional lengths available. External weights or pipe clamp mounts required.

Cable: Flexible 18 gauge, 2 conductor

Electric: 5A, 120/230 VAC, 50/60 Hz

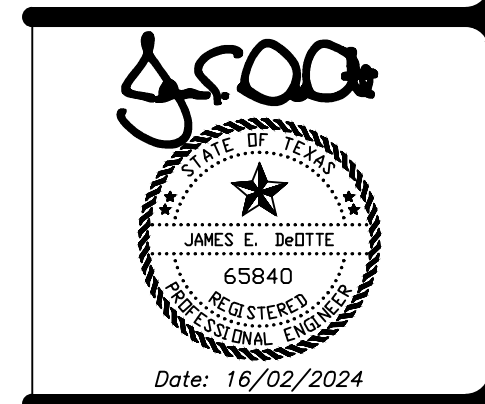
Float Switch: High Impact PVC

Maximum fluid temperature: 140°F

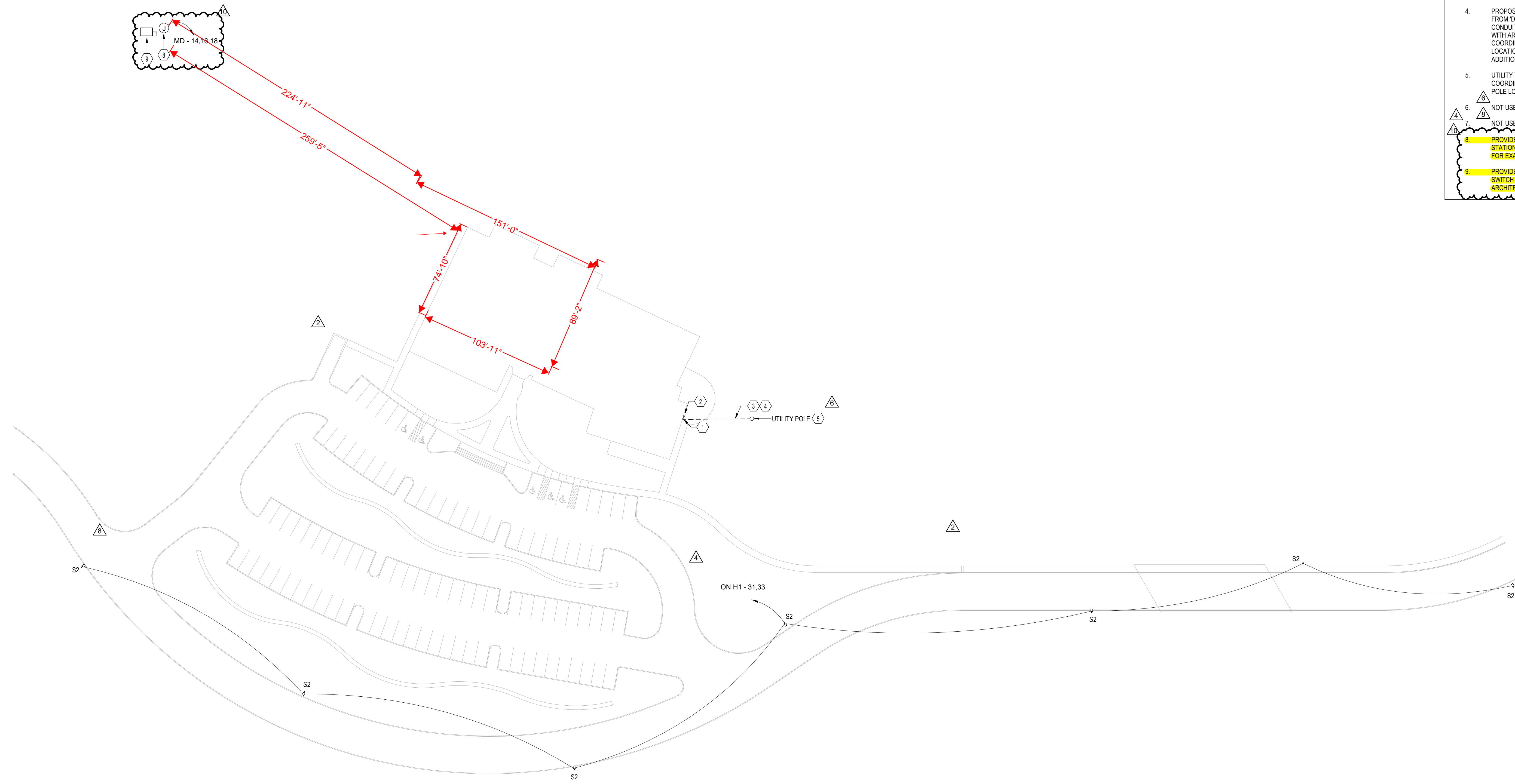
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History

#	Date	Description
1	11/18/22	ADDENDUM #1
2	12/07/22	ADDENDUM #2
3	03/03/23	PROPOSAL REQUEST #1
4	04/19/23	RFI #3
5	05/24/23	RFI #4 & RFI #6
6	06/08/23	PROPOSAL REQUEST #2
7	06/30/23	RFI #7
8	09/18/23	PROPOSAL REQUEST #7
9	02/16/24	PROPOSAL REQUEST #9



LIFT STATION
 DETAILS SHEET
 2 OF 2



- PLAN NOTES**
- REFER TO LIGHTING CONTROLS SCHEDULE ON SHEET ES-01 FOR EXTERIOR LIGHTING CONTROLS INFORMATION AND REQUIREMENTS.
 - ALL WORK PERTAINING TO NEW UTILITY TRANSFORMER SHALL BE COORDINATED WITH ONCOR PRIOR TO ROUGH-IN.
 - REFER TO ARCHITECTURAL, CIVIL AND LANDSCAPE PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
 - COORDINATE WITH ARCHITECT AND CIVIL FOR STREET LIGHT EXACT LOCATIONS.
- NOTES BY SYMBOL**
- METER AND CT ENCLOSURE MOUNTED ON BUILDING EXTERIOR.
 - SERVICE ENTRANCE DISCONNECT - PROVIDE AND INSTALL 600V, 30A, 3P, NEMA 3R DISCONNECT SWITCH. MOUNT ON BUILDING EXTERIOR.
 - PROPOSED CONDUIT ROUTING FOR ELECTRICAL SERVICE FROM UTILITY TRANSFORMER TO MAIN SERVICE DISCONNECT. REFER TO ELECTRICAL RISER DIAGRAM ON SHEET E7-01 FOR CONDUIT AND CONDUCTOR SIZES. COORDINATE EXACT ROUTE WITH ARCHITECT AND CIVIL PRIOR TO TRENCHING.
 - PROPOSED CONDUIT ROUTING FOR AT&T SERVICE FROM DATA 1022 TO SERVICE POINT. PROVIDE (2) 4" CONDUIT FOR AT&T. COORDINATE EXACT ROUTE WITH ARCHITECT AND CIVIL PRIOR TO TRENCHING. COORDINATE WITH AT&T FOR EXACT SERVICE POINT LOCATION. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
 - UTILITY TRANSFORMER MOUNTED ON UTILITY POLE. COORDINATE WITH ONCOR FOR EXACT TERMINAL POLE LOCATION AND CONNECTION REQUIREMENTS.
 - NOT USED.
 - NOT USED.
 - PROVIDE DEDICATED CIRCUIT FOR POWER FOR LIFT STATION. COORDINATE WITH ARCHITECT AND CIVIL FOR EXACT LOCATION.
 - PROVIDE 600V, 30A, 3P, NEMA 3R DISCONNECT SWITCH FOR LIFT STATION. COORDINATE WITH ARCHITECT AND CIVIL FOR EXACT LOCATION.

1 ELECTRICAL SITE PLAN
SCALE: 1" = 40'-0"

NORTHWEST COMMUNITY CENTER

8375 BLUE MOUND ROAD, FT. WORTH, TX 76137

History		
#	Date	Description
2	03/03/2023	PR #1
4	06/30/2023	PR #4
6	08/30/2023	PR #6
8	11/16/2023	PR #10
10	1/15/2024	PR #9 (REVISION 1)



ELECTRICAL SITE PLAN

Architect: Brinkley Sargent Wington Architects (972) 960-9970
 Landscape: Kendall + Landscape Architecture (214) 739-3226
 Structural: AG&E (214) 207-7202
 MEP: MEP Consulting Engineers (MEPCE) (72) 870-9060
 Civil: DeOthe Engineering (817) 446-4877
 Technology: TBD

Branch Panel: MD

Location: ELECTRICAL 1024
Supply From: UTILITY XMR
Mounting: SURFACE
Enclosure: TYPE 1
Volts: 480Y/277
Phases: 3
Wires: 4
A.I.C. Rating: 22K
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Panel Notes:
1. PROVIDE WITH SURGE PROTECTIVE DEVICE.

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes load summary table at the bottom.

Legend:

Legend table with columns: Load Key, Load, Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Breaker Notes:
1. PROVIDE HACR BREAKERS FOR ALL HVAC EQUIPMENT.

Branch Panel: L1

Location: ELECTRICAL 1024
Supply From: TL1
Mounting: SURFACE
Enclosure: TYPE 1
Volts: 208Y/120
Phases: 3
Wires: 4
A.I.C. Rating: 10K
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Panel Notes:

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes load summary table at the bottom.

Legend:

Legend table with columns: Load Key, Load, Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Breaker Notes:

Branch Panel: H1

Location: ELECTRICAL 1024
Supply From: MD
Mounting: SURFACE
Enclosure: TYPE 1
Volts: 480Y/277
Phases: 3
Wires: 4
A.I.C. Rating: 22K
Mains Type: MCB
Mains Rating: 225 A

Panel Notes:

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes load summary table at the bottom.

Legend:

Legend table with columns: Load Key, Load, Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Breaker Notes:
1. PROVIDE HACR BREAKERS FOR ALL HVAC EQUIPMENT.

Branch Panel: L2

Location: ELECTRICAL 1024
Supply From: TL2
Mounting: SURFACE
Enclosure: TYPE 1
Volts: 208Y/120
Phases: 3
Wires: 4
A.I.C. Rating: 10K
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Panel Notes:

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes load summary table at the bottom.

Legend:

Legend table with columns: Load Key, Load, Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Breaker Notes:

Architect: Brinkley Sargent Winton Architects (972) 960-9970
Landscape: Kendall + Landscape Architecture (214) 739-3226
Structure: AC&E (214) 420-7202
MEP: MEP Consulting Engineers (MERCE) (72) 870-9060
Civil: DeOtte Engineering (817) 446-4877
Technology: TBD

NORTHWEST COMMUNITY CENTER

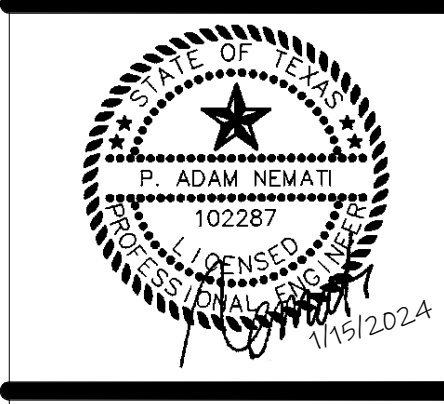
CENTER

8375 BLUE MOUND ROAD, FT. WORTH, TX 76137

BRINKLEY SARGENT WINTON ARCHITECTS

CONSTRUCTION ISSUE

History table with columns: #, Date, Description. Shows revision 10 on 1/15/2024.



ELECTRICAL PANEL SCHEDULES