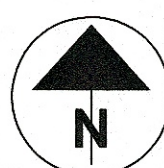


LOCATION MAP
(N.T.S.)

LATITUDE: N 040°47'59.4"
LONGITUDE: W 081°30'34.8"



IMPROVEMENT PLANS FOR A. ALTMAN SANITARY LATERAL

CITY OF MASSILLON, COUNTY OF STARK
AND STATE OF OHIO

IMPROVEMENT PLAN SHEET INDEX

Sheet Number	Sheet Title
1	TITLE SHEET
2	NOTES
3	SITE PLAN
4	DETAILS & SPECIFICATIONS

SUBMITTAL INDEX

SUBMITTAL	DATE
1 (CITY OF MASSILLON)	9/21/2018

Utility Symbol Legend		
Existing	Proposed	Description
		Catch Basin
		Fire Hydrant
		Inlets
		Light Pole
		Mailbox
		Power Pole
		Sanitary Manhole
		Signs
		Storm Manhole
		Wafer Gate Valve
		Water Service Stop

Utility Line Legend		
Existing	Proposed	
	OHE	OHE
	E	E
	G	G
	S	S
	SAN FM	SAN FM
	W	W
	R/W	R/W
	U	U

OWNER

A. ALTMAN COMPANY
2555 34TH STREET NE
CANTON, OHIO 44705

CONTACT: LOUIS ALTMAN
330-456-0777

DESIGN ENGINEER

TGC ENGINEERING, LLC
1310 SHARON COPLEY ROAD
SHARON CENTER, OHIO 44274

CONTACT: CHRIS SCHMIDT, P.E.
330-590-8004

CONTRACTOR

TO BE DETERMINED

CHRISTOPHER M. SCHMIDT, P.E. 80749

9/21/18
DATE



APPROVALS

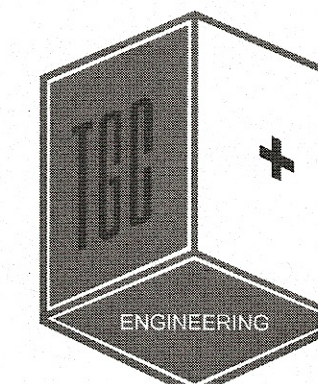
OHIO EPA NPDES (*) PERMIT LETTER DATED:



800-925-0988 or 8-1-1
www.ogpups.org



1-800-362-2764
CALL TWO WORKING DAYS BEFORE YOU DIG
(NON MEMBERS MUST BE CALLED DIRECTLY)



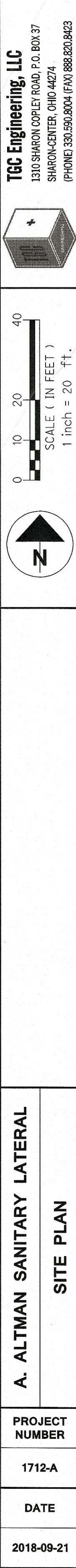
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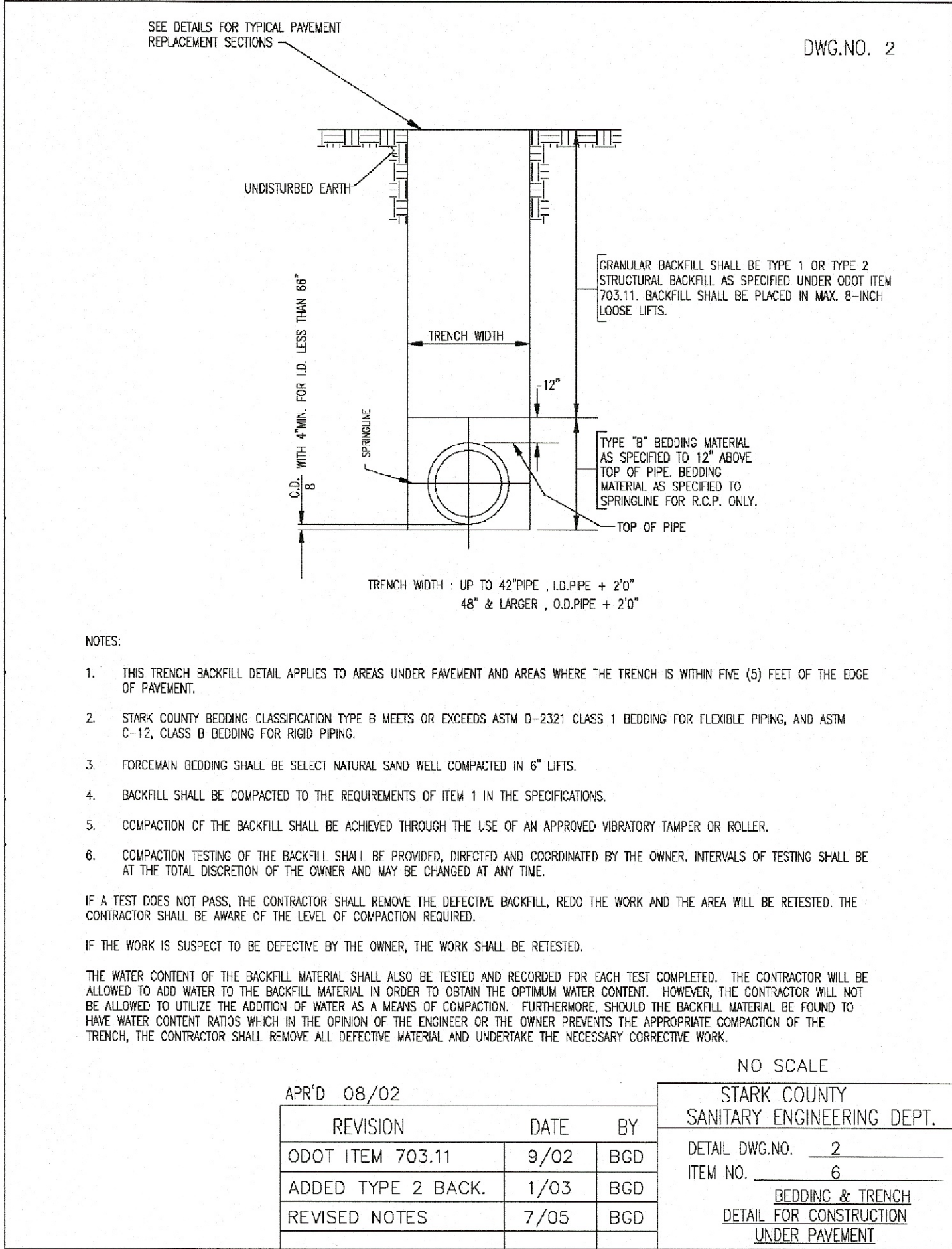
1. REFERENCE GENERAL NOTES AND DETAILS & SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ALL SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF MASSILLON AND THE STATE OF OHIO.
3. THE CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC. AS REQUIRED FOR PIPE CONNECTIONS TO BUILDING STUB-OUTS, INCLUDING ROOF/FOOTING DRAIN CONNECTIONS TO ROOF LEADERS AND TO STORM DRAINAGE SYSTEM.
4. ALL SEWERS, WATER LINES AND APPURTENANCES THERETO SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS ESTABLISHED BY THE UTILITY OWNER AND UNDER ITS INSPECTION.
5. PROPER COORDINATION WITH THE RESPECTIVE UTILITY COMPANIES SHALL BE PERFORMED BY THE CONTRACTOR TO INSURE THAT ALL UTILITY COMPANY AND LOCAL GOVERNING AGENCIES STANDARDS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET.
6. REFER TO "DETAILS AND SPECIFICATIONS" PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES.
7. THE CONTRACTOR SHALL COORDINATE SITE UTILITY INSTALLATION WITH ELECTRICAL AND TELEPHONE INSTALLATION, ETC. AND UTILITY COMPANIES.
8. THE CONTRACTOR SHALL COMPACT PIPE BACKFILL ACCORDING TO THE "TYPICAL FLEXIBLE PIPE TRENCH SECTION" DETAIL. THE TRENCH BOTTOM SHALL BE STABLE IN HIGH GROUNDWATER AREAS, A PIPE FOUNDATION SHALL BE USED IN AREAS OF ROCK EXCAVATION.

1. SANITARY LATERAL CONNECTIONS TO THE MAIN LINE SEWER SHALL BE MADE WITH STANDARD WYES COMPATIBLE WITH THE MATERIAL OF THE SEWER MAIN.
2. ALL SANITARY LATERALS MUST MAINTAIN A MINIMUM GRADE OF 1%.
3. ALL SEWER SERVICE LATERALS SHALL BE PVC, ASTM D-3034, SDR 35, WITH RUBBER GASKET JOINTS IN ACCORDANCE WITH ASTM D3035, WHERE A DIFFERENT TYPE OF MATERIAL IS USED FOR THE SEWER MAIN, AN ACCEPTABLE ADAPTER TO THE PVC LATERAL MUST BE PROVIDED.
4. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
5. JOINT SEAL BETWEEN MANHOLE AND SANITARY SEWER SHALL BE RESILIENT AND FLEXIBLE GASKET JOINT PER ASTM443.
6. ALL SANITARY SEWER WORK COMPLETED MUST BE IN ACCORDANCE WITH THE CURRENT REGULATIONS AND RULES OF THE CITY OF MASSILLON.
7. CLEANOUTS FOR SANITARY SEWER ARE TO BE LOCATED WITHIN 10'-0" OF THE BUILDING. PROVIDE CLEANOUTS AT EACH 45° AND 90° BEND.
8. ALL SANITARY SEWERS MUST HAVE PREMIUM JOINTS.

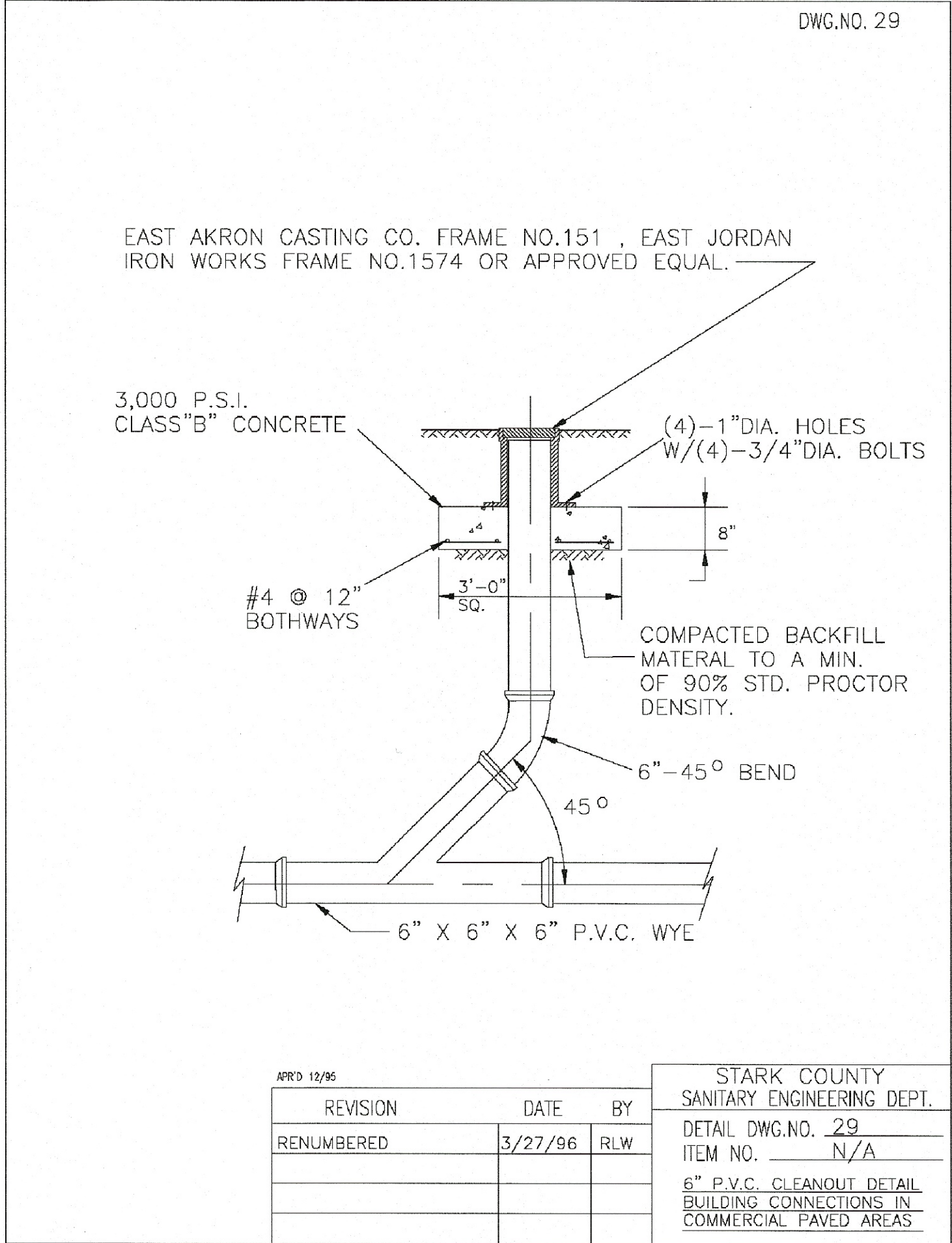
1. STORM SEWERS DESIGNATED "PVC" SHALL BE SDR 35, WITH RUBBER GASKET JOINTS.
2. PROVIDE CLEANOUTS FOR STORM SEWERS AS INDICATED ON PLANS.

- (A1) INSTALL CLEANOUT, REFERENCE "SANITARY CLEANOUT DETAIL", SHEET 4.
- (A2) WYE INTO EXISTING SANITARY LINE AT LISTED INVERT.
- (A3) EXISTING SANITARY SEWER AND MANHOLES FROM MAIN, NOT INCLUDED IN THIS SCOPE OF WORK.
- (A4) ROUTE SANITARY LATERAL FROM MANHOLE TO NEW GREASE INTERCEPTOR NEAR BUILDING.
- (A5) SANITARY LATERALS NOT INCLUDED IN THIS SCOPE OF WORK.
- (A6) PROPOSED WYE CONNECTION
- (A7) FUTURE: LATERAL LINE TO BE CONTINUED INSIDE BUILDING, WORK END
- (A8) PROPOSED KFC BUILDING CONSTRUCTION AREA; NOT INCLUDED IN THIS SCOPE OF WORK
- (A9) SANITARY LINE TO BE CAPPED UNDER DEMISING WALL AND CLEANOUT TO BE INSTALLED FLUSH WITH FINISH FLOOR

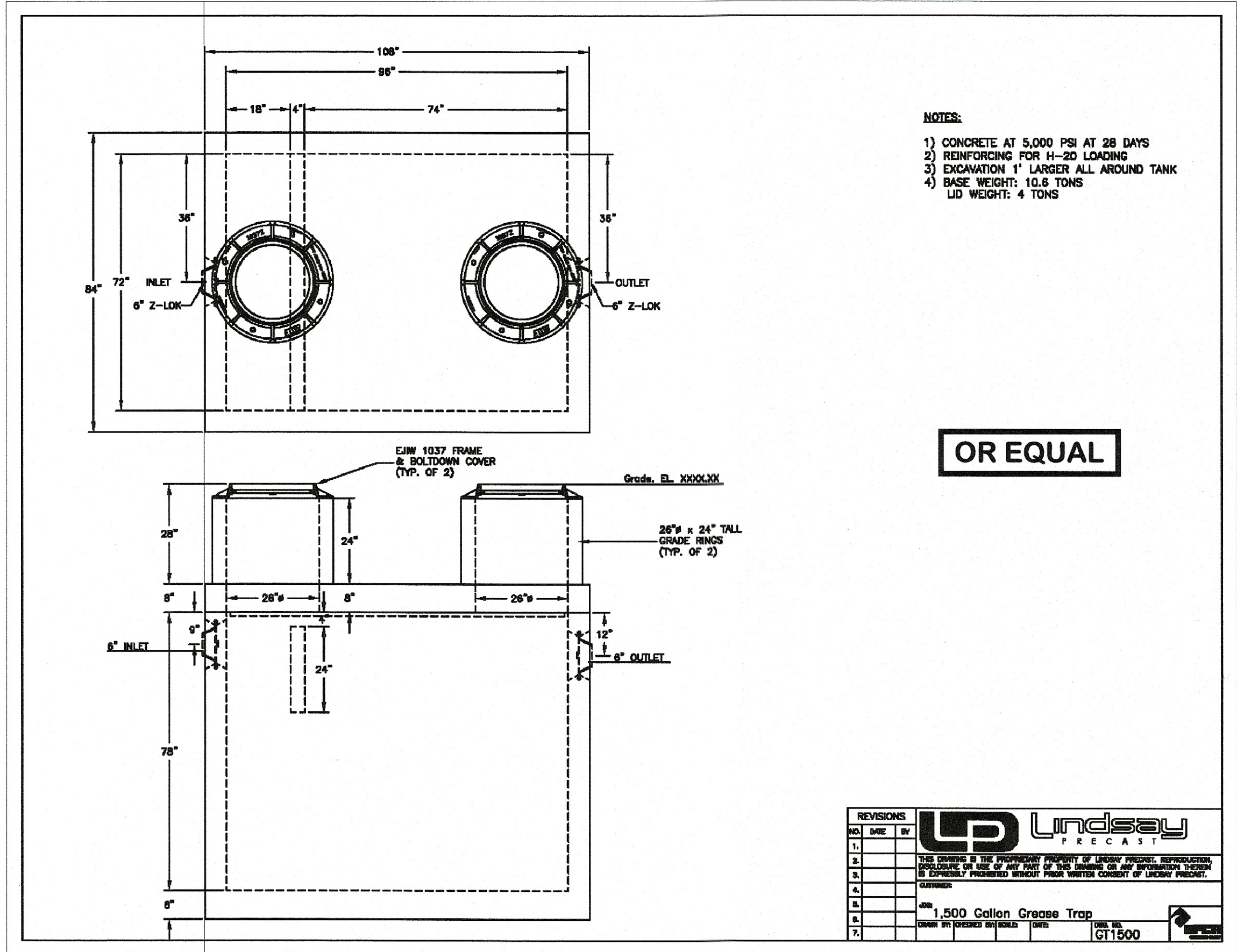




**BEDDING TRENCH DETAIL UNDER
PAVEMENT
N.T.S.**



**SANITARY CLEANOUT DETAIL
N.T.S.**



**GREASE TRAP DETAIL
N.T.S.**

