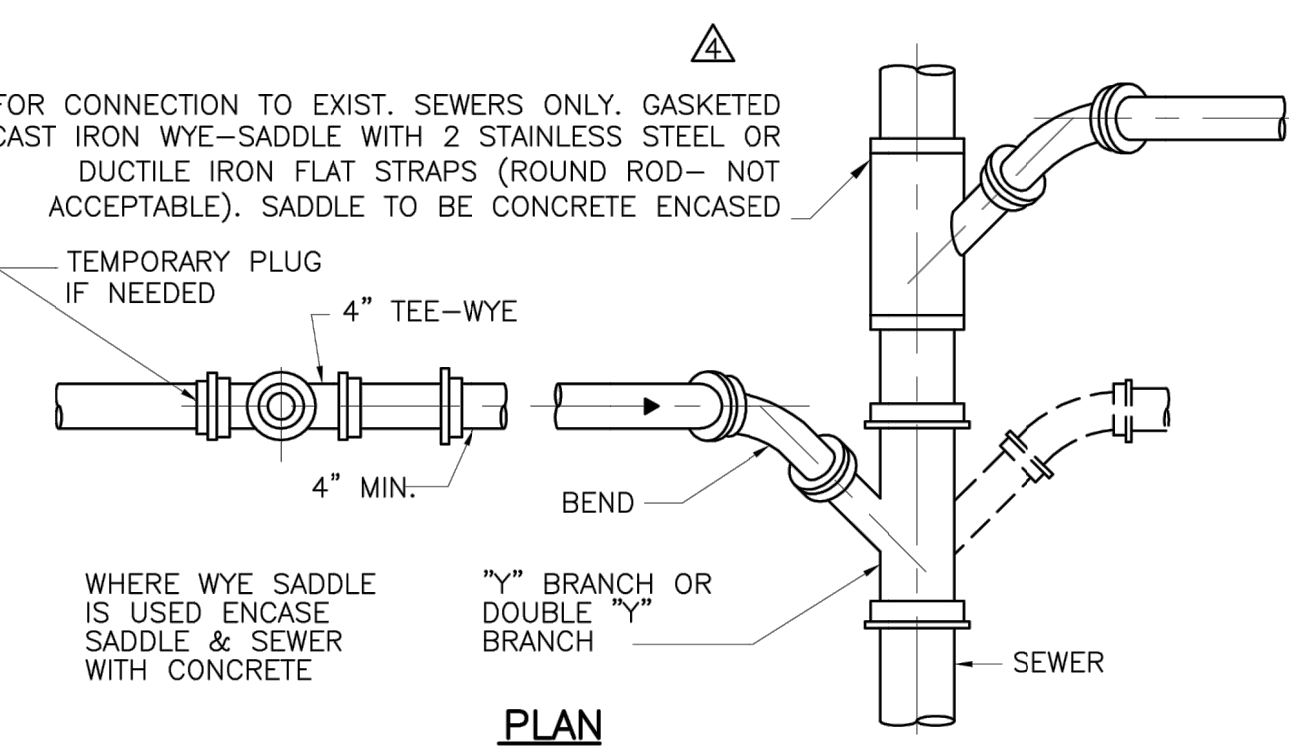
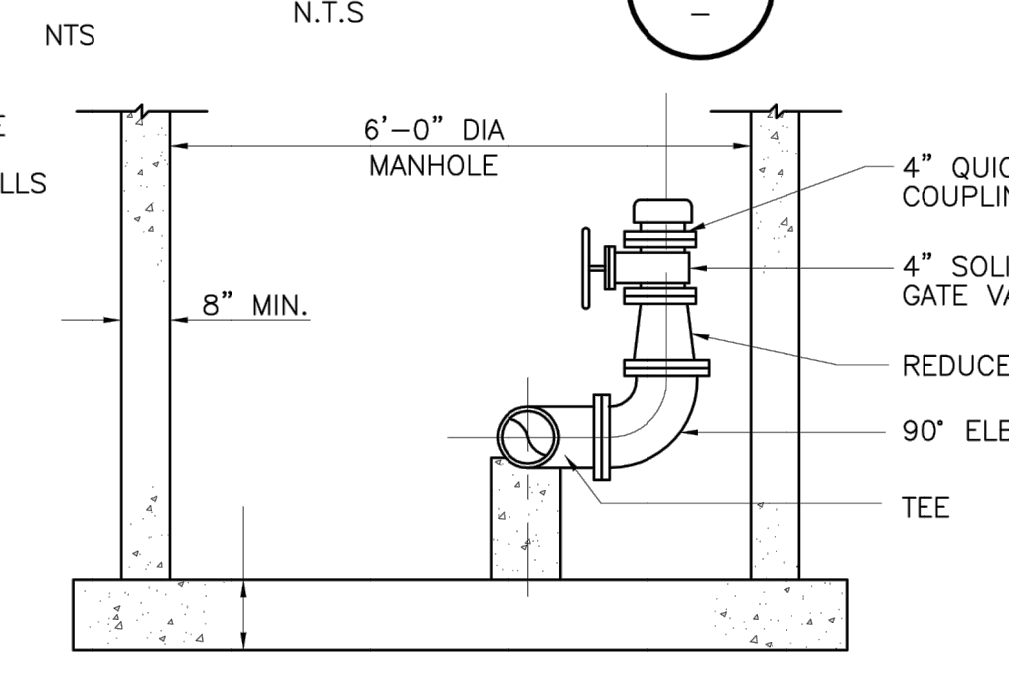
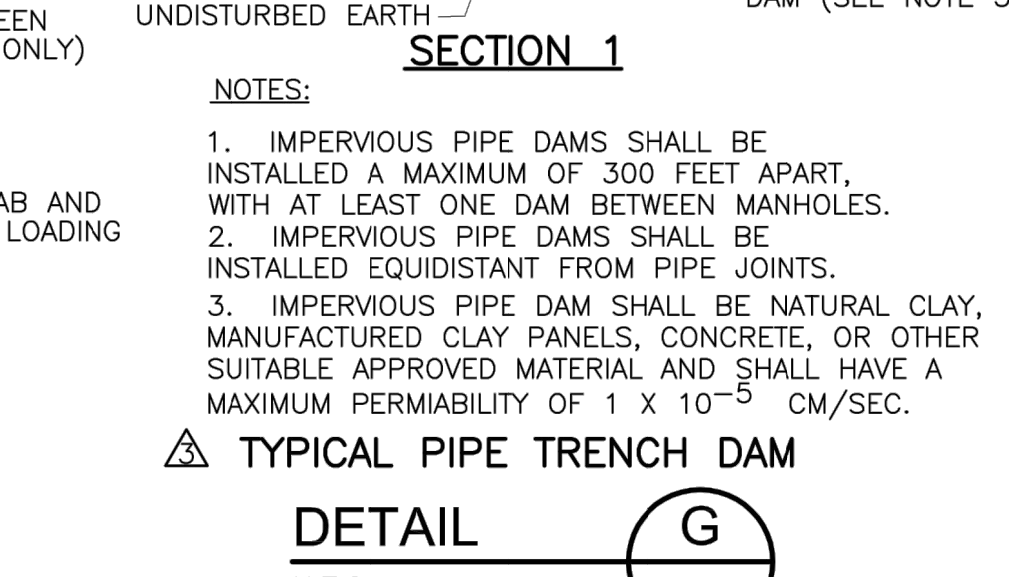
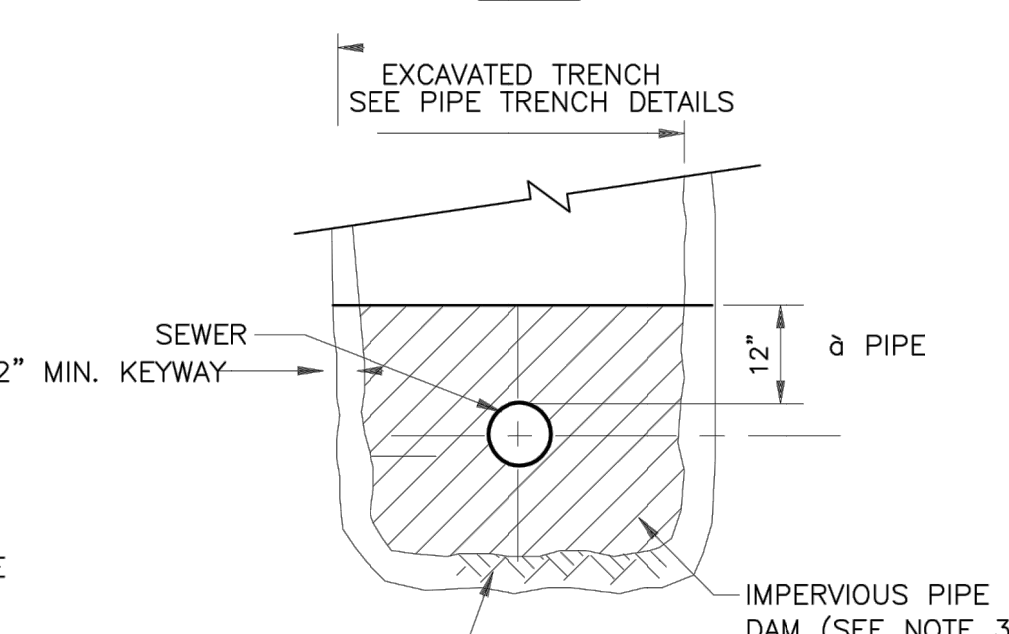
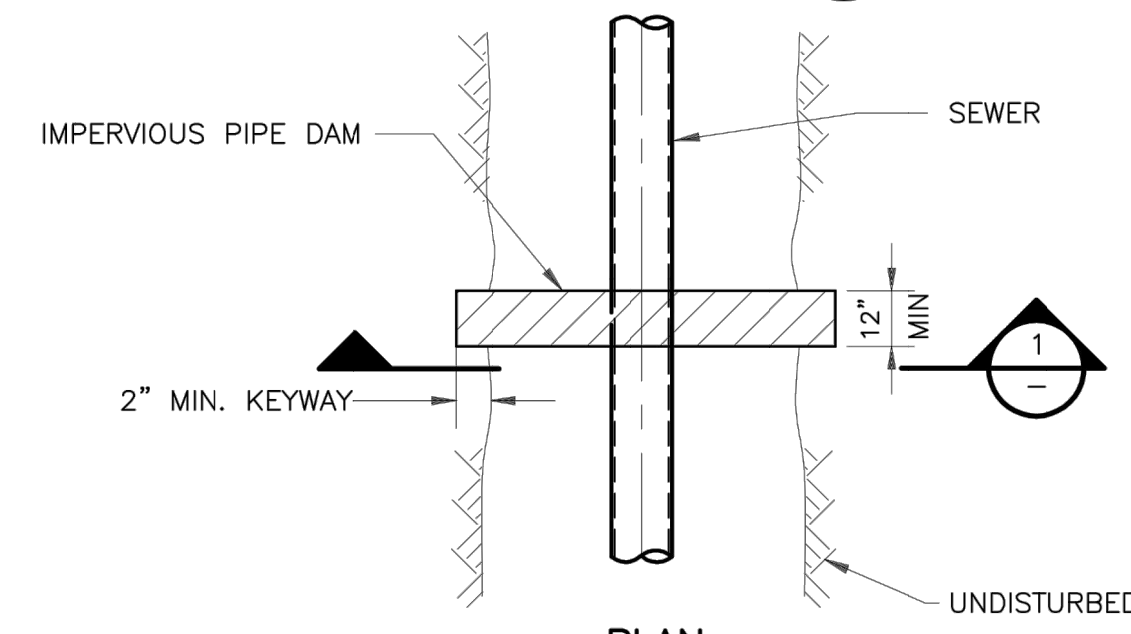
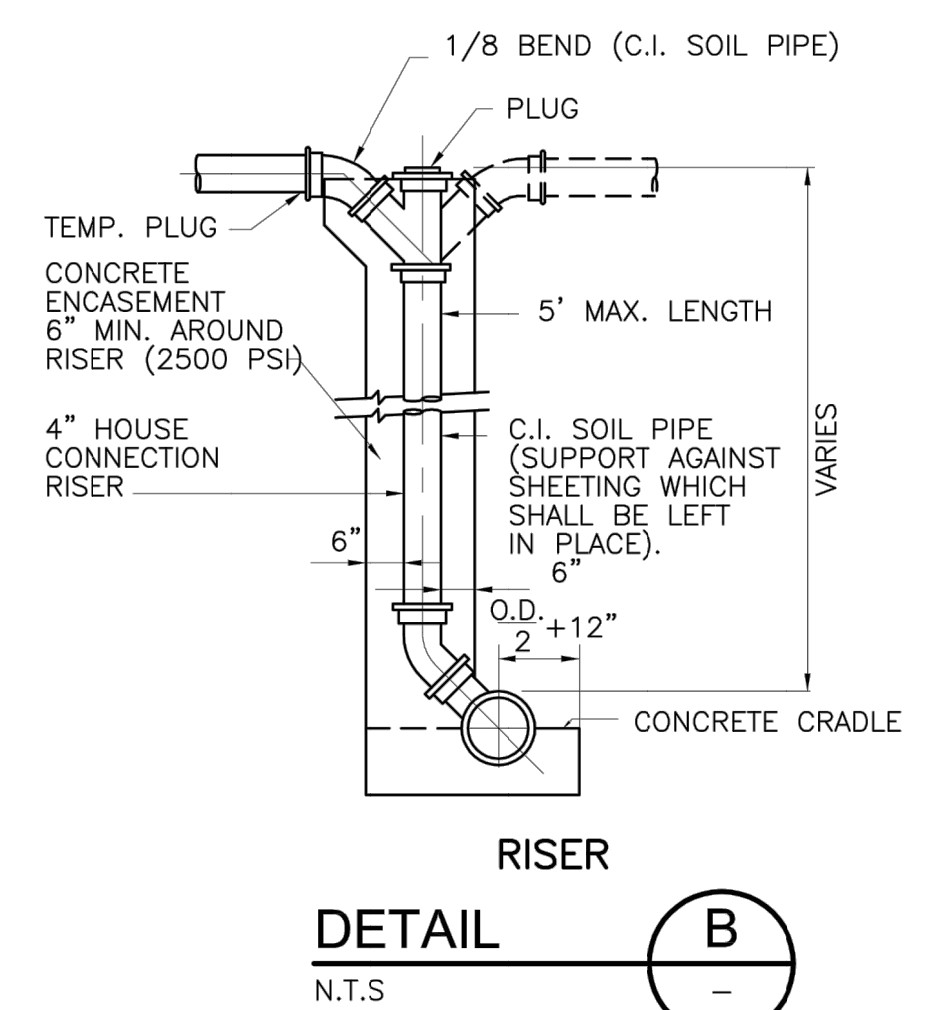
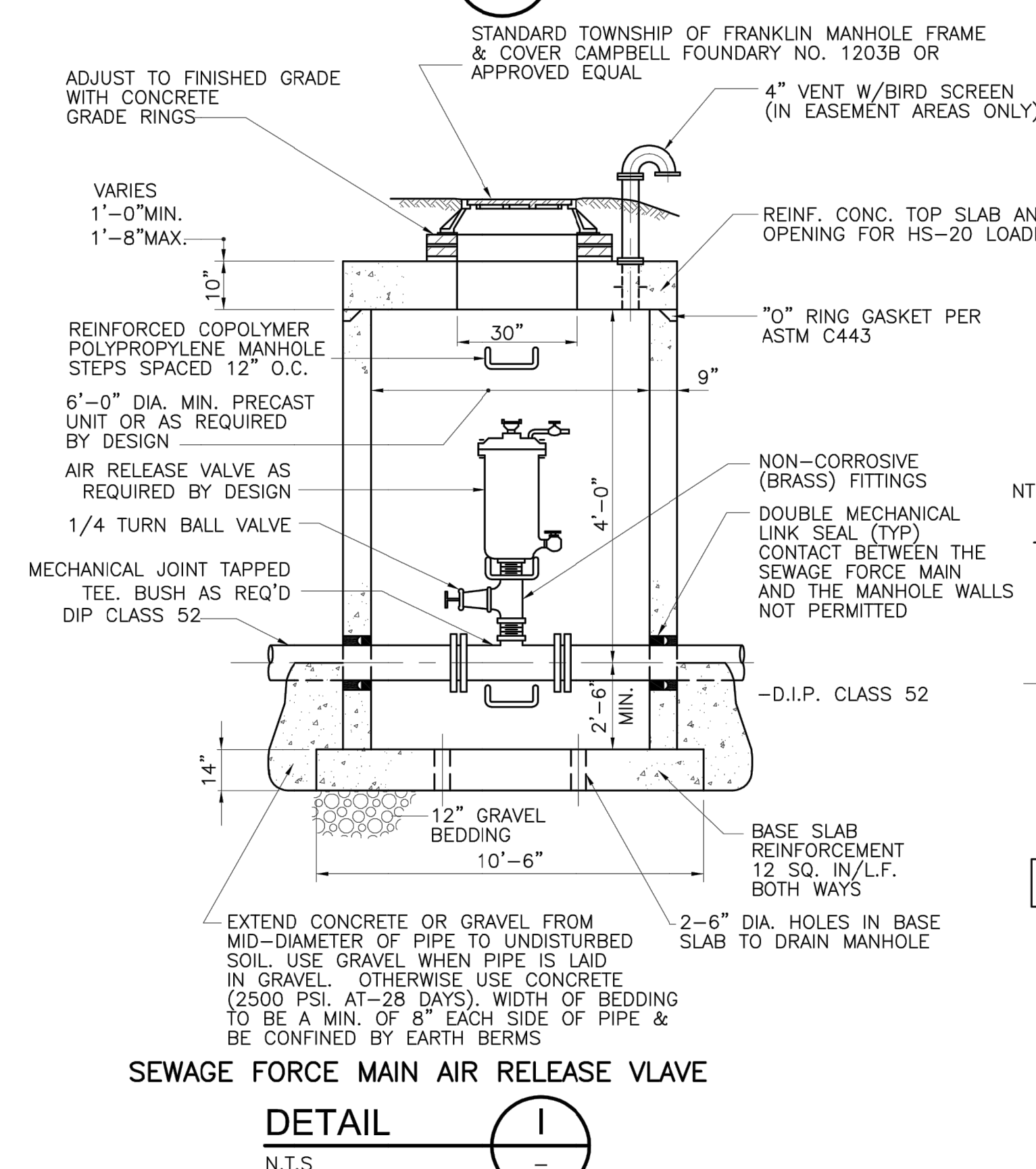
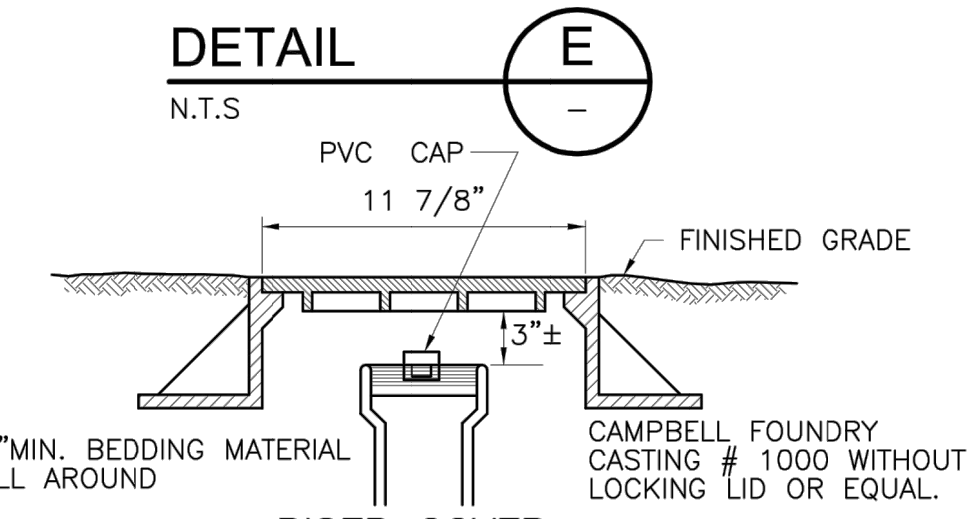
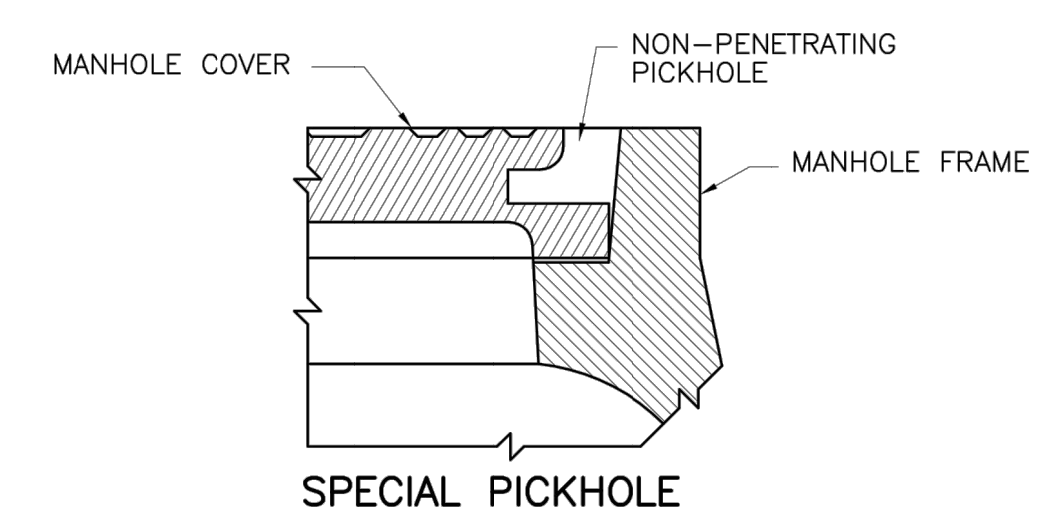
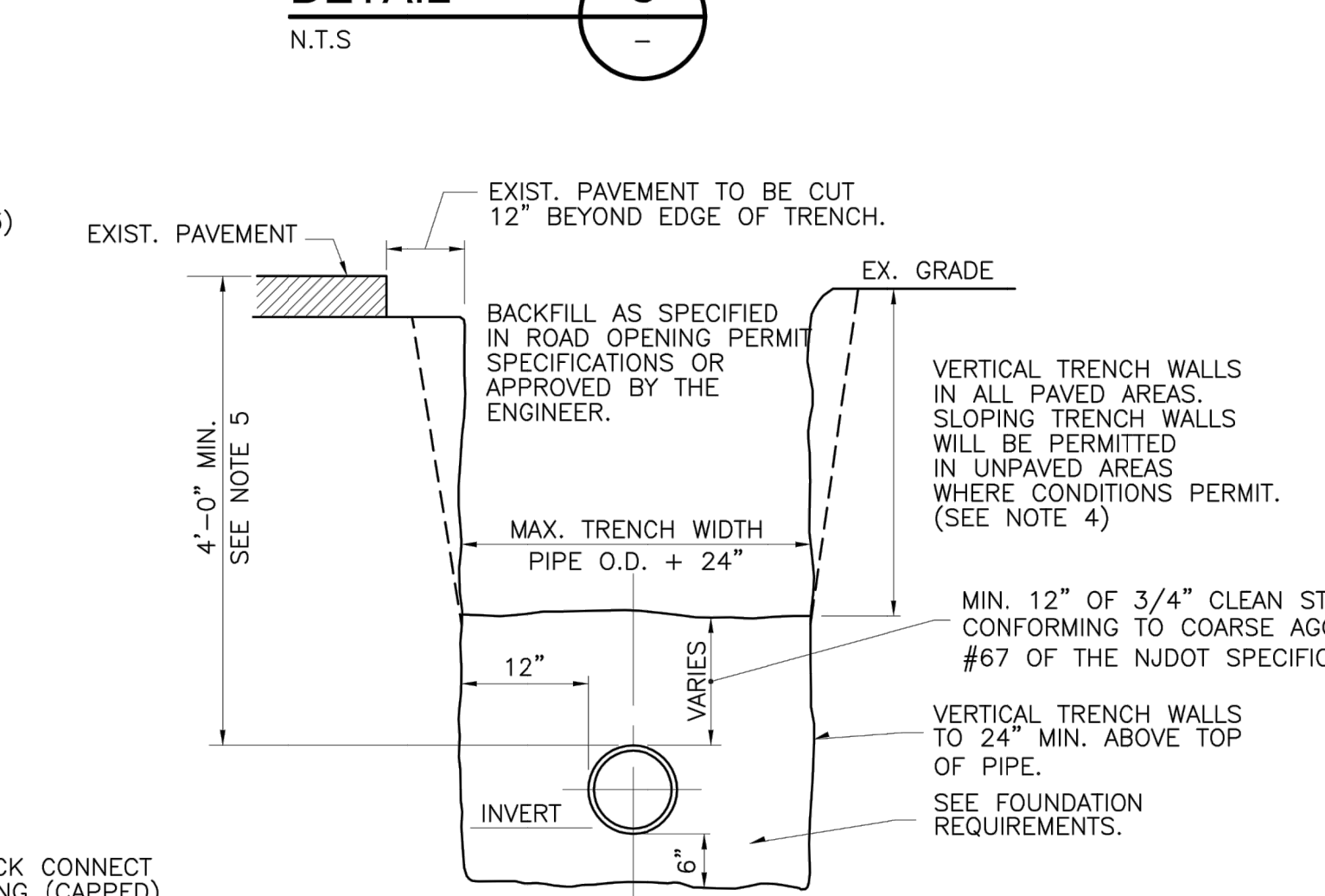
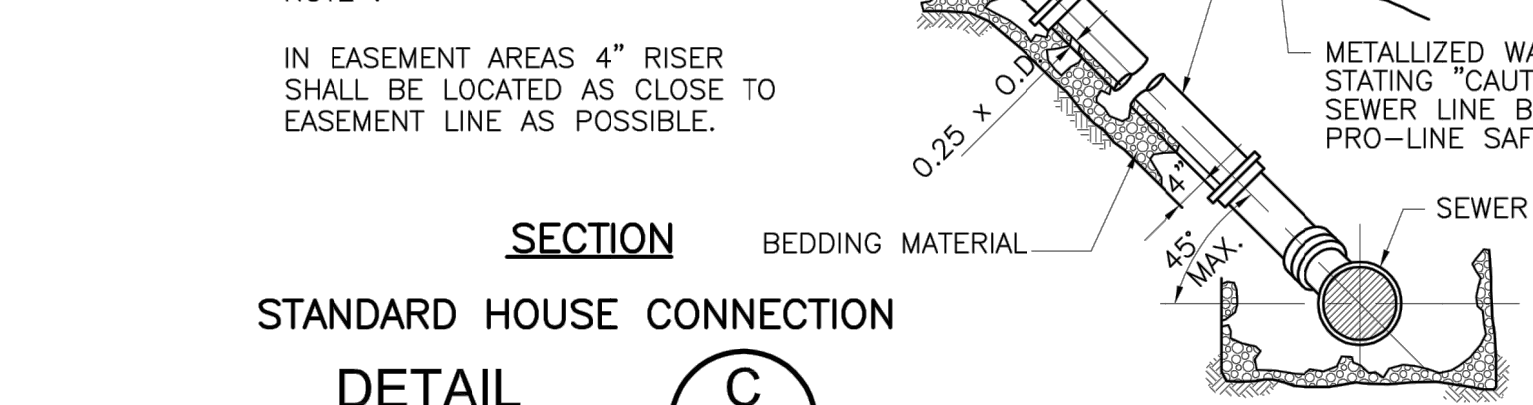
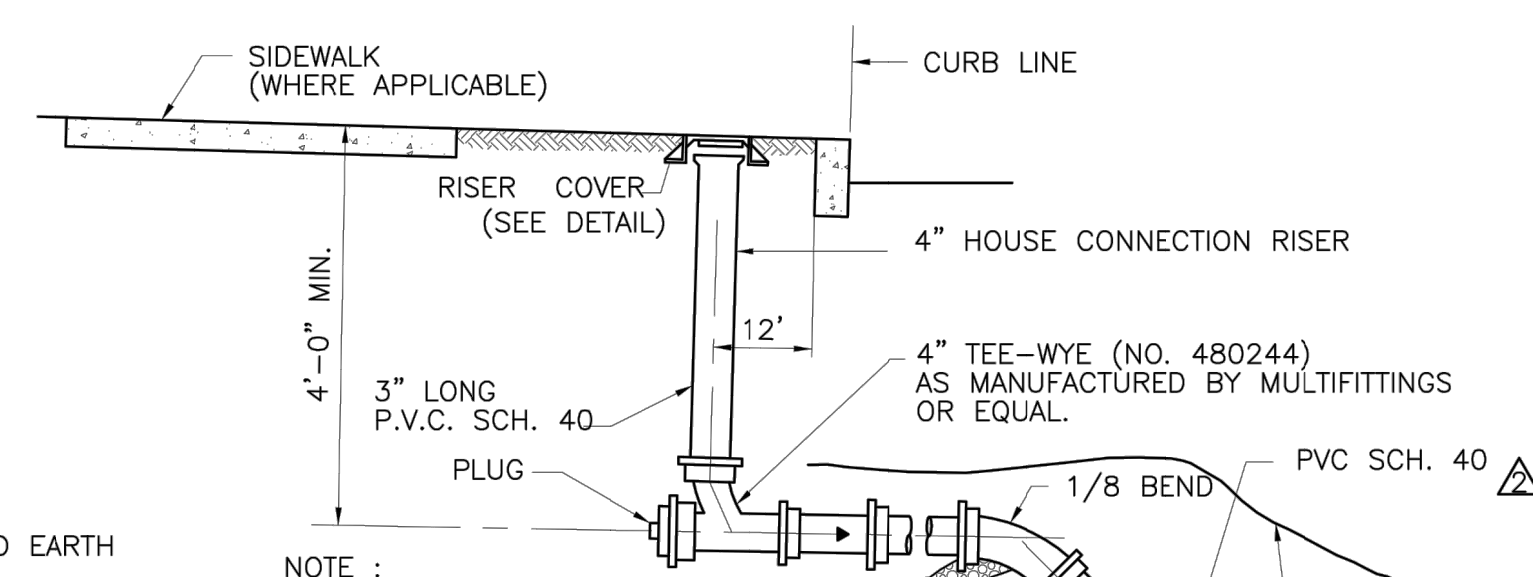


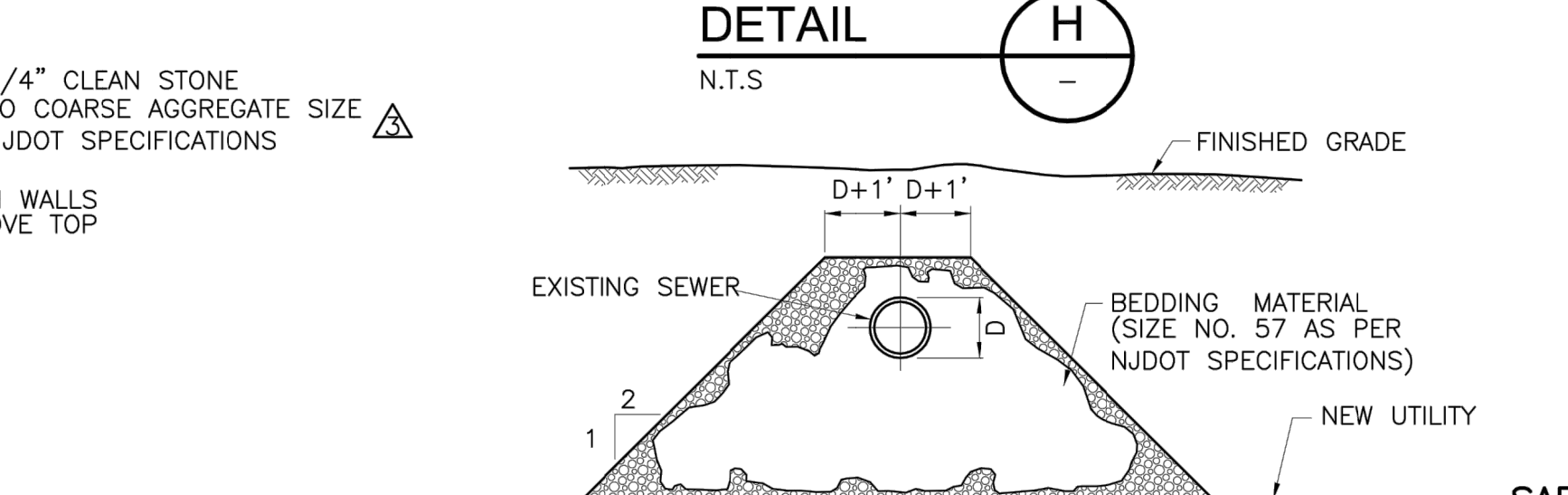
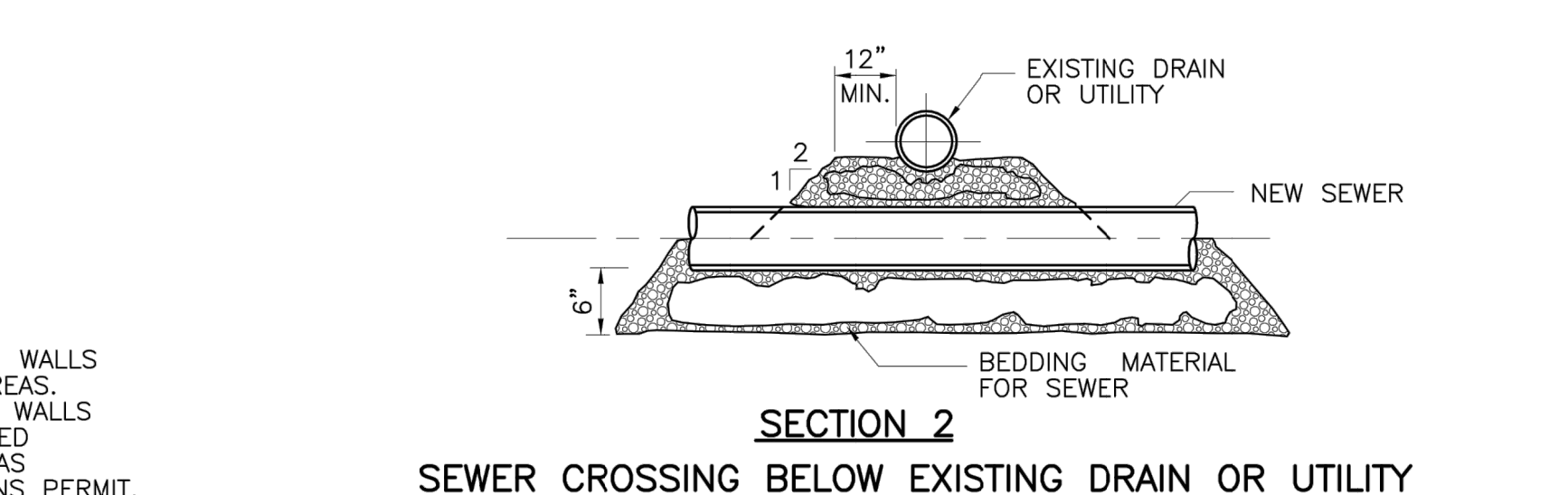
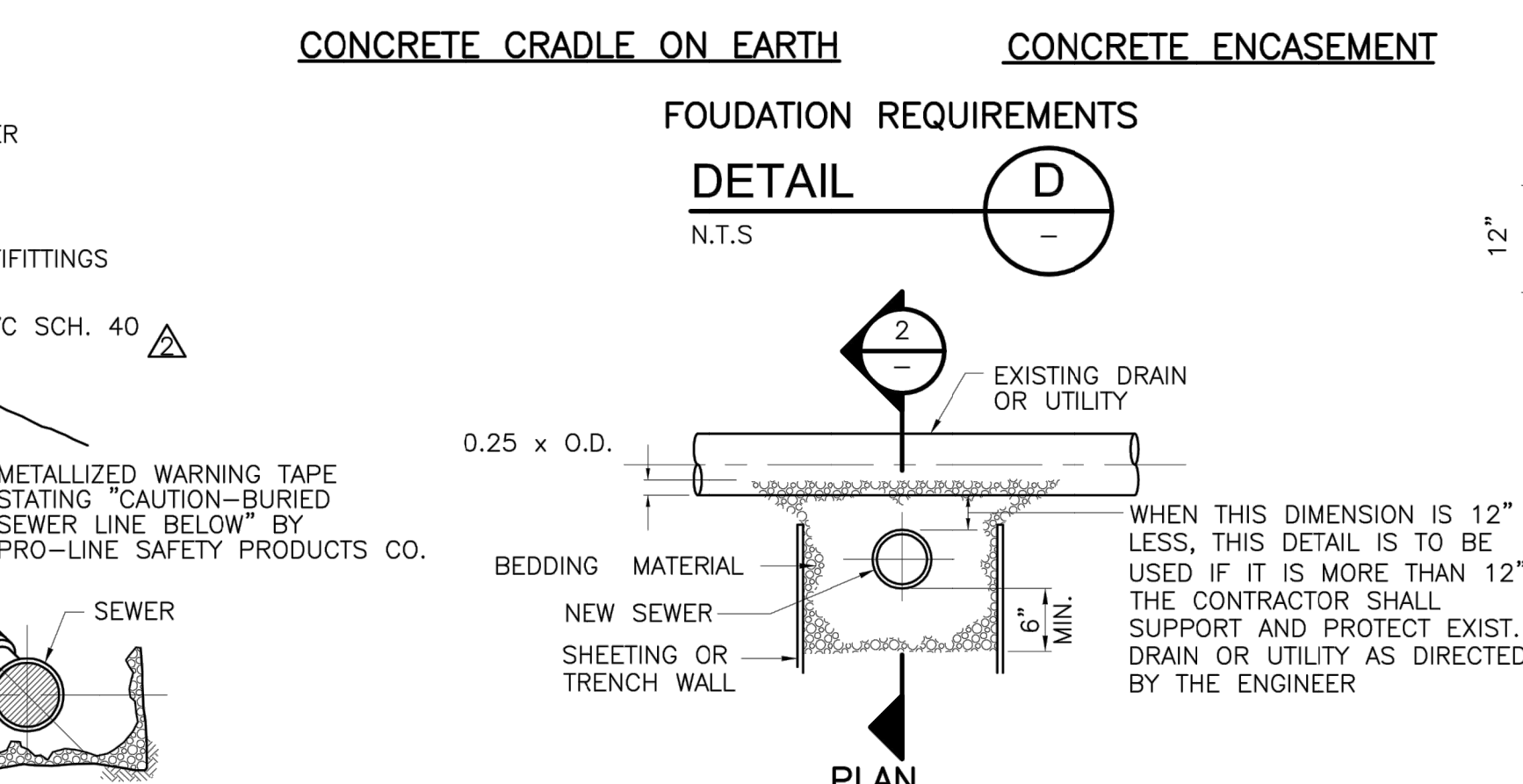
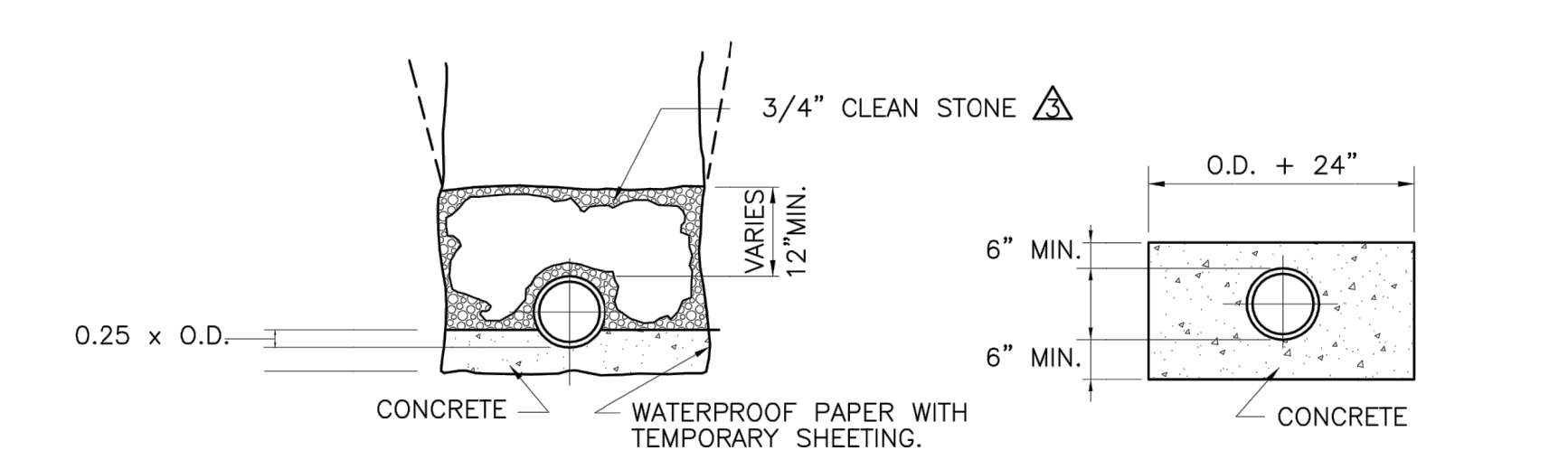
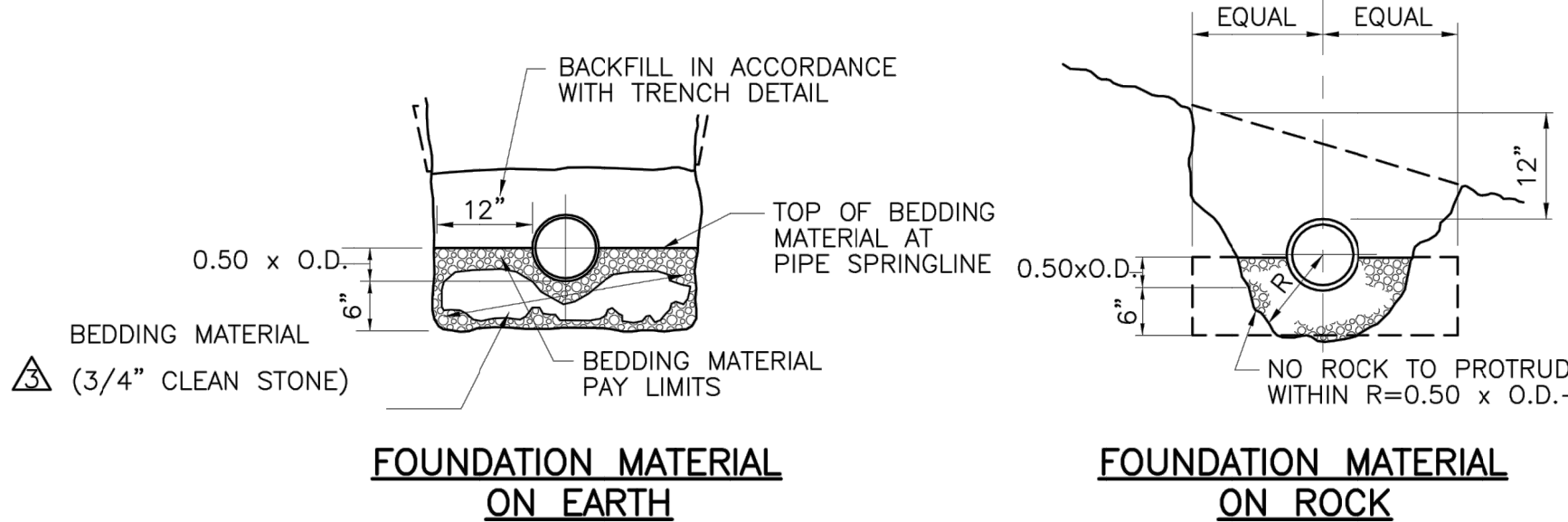
NOTES:
 1. MANHOLE COVERS SHALL INDICATE "FTSA" AND YEAR
 2. SEATING SURFACES OF MANHOLE FRAME AND COVERS SHALL BE MACHINED TO INSURE A NON-CHATTERING FIT. MANHOLE FRAMES AND COVERS SHALL BE PROPERLY CLEANED AND DIP COATED IN A WATERPROOF ASPHALTUM PAINT.
 3. MANHOLE COVERS TO BE CAMPBELL NO. 1203 B OR AN APPROVED EQUAL.
 4. LETTERING TO BE APPROVED BY AUTHORITY PRIOR TO CASTING.
 5. NO STANDARD COVERS ARE TO HAVE VENTS.



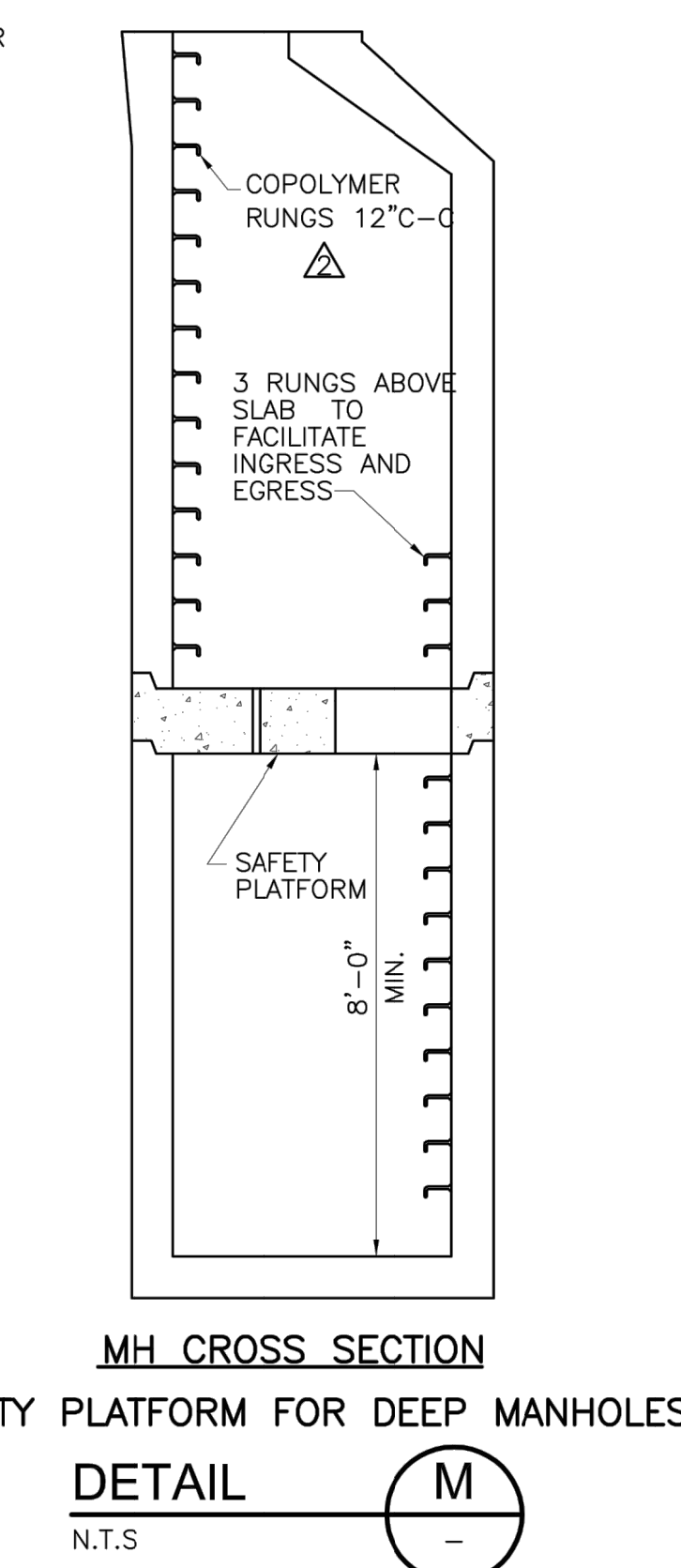
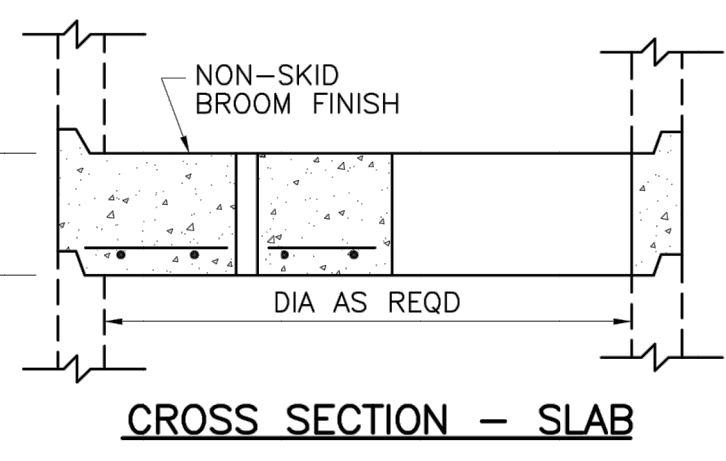
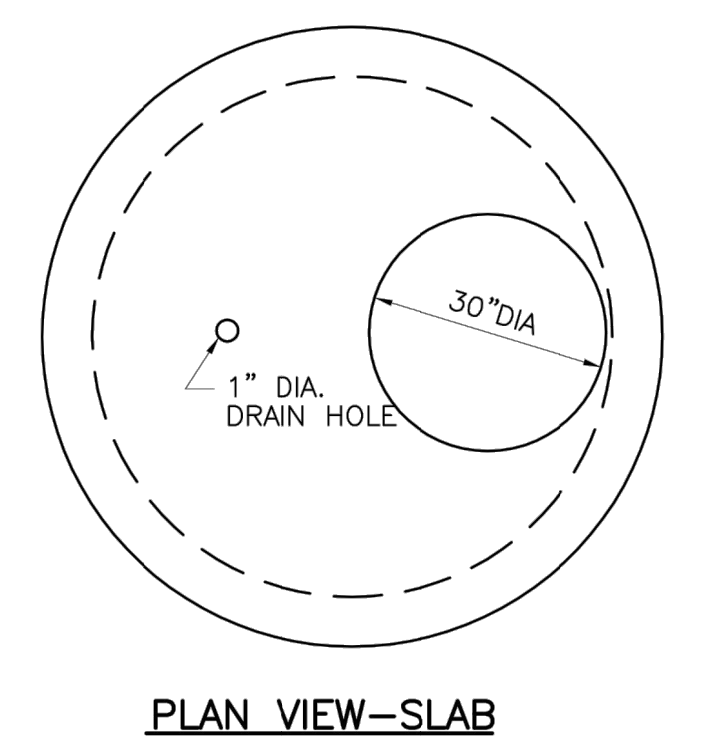
NOTES:
 1. CLEANOUT TO BE LOCATED IN GRASSY AREA BETWEEN SIDEWALK AND CURB. CLEANOUTS WILL NOT BE PERMITTED IN DRIVEWAYS OR SIDEWALKS.
 2. LATERAL TO BE SAME SIZE FOR ENTIRE LENGTH FROM BUILDING TO SEWER, 4" OR 6" PVC SCH. 40



NOTES:
 1. IF CONTRACTOR INCREASES TRENCH WIDTH, HE IS TO RECOMPUTE & SUBMIT FOR APPROVAL BY THE ENGINEER ALL PIPE CLASSES. ANY ADDITIONAL COST NECESSITATED BY THE INCREASE IN TRENCH WIDTH IS TO BE BORNE BY THE CONTRACTOR.
 2. IN PAVED AREAS, WIDTH OF PAVEMENT TO BE REMOVED SHALL BE EXTENDED 12" BEYOND EDGE OF TRENCH.
 3. ALL EXCAVATION, TRENCHING, SHEETING AND BRACING SHALL CONFORM TO THE REQUIREMENTS OF THE "CONSTRUCTION SAFETY CODE OF THE BUREAU OF ENGINEERING AND SAFETY OF THE NEW JERSEY DEPARTMENT OF LABOR AND INDUSTRY."
 4. SLOPE OF THE TRENCH SHALL NOT EXCEED O.S.H.A. REQUIREMENTS WHERE SUCH SLOPE WILL CAUSE TOP WIDTH OF TRENCH TO PROTRUDE BEYOND THE ACQUIRED EASEMENT (PERMANENT PLUS TEMPORARY) THE CONTRACTOR SHALL USE SHEETING.
 5. NO SEWER SHALL BE DESIGNED WITH LESS THAN 4FT. OF COVER WITHOUT SPECIAL PERMISSION OF FTSA.
 6. PROVIDE AT LEAST ONE IMPERVIOUS PIPE TRENCH DAM IN BEDDING BETWEEN EACH MANHOLE OR EVERY 300 FT, WHICHEVER IS LESS (SEE DETAIL THIS SHEET)



NOTE: ALL WORK SHALL COMPLY WITH THE REVISION OF THE "RATES, RULES & REGULATIONS APPLICABLE TO SEWER SERVICE IN THE TOWNSHIP OF FRANKLIN, SOMERSET COUNTY, NEW JERSEY" IN EFFECT AT THE TIME CONSTRUCTION BEGINS.



NOTE:
 WHEN DEPTH OF MH FROM TOP OF FRAME AND COVER TO INVERT EXCEEDS 15'-0" THIS DETAIL IS TO BE USED.

REV. NO.	DATE	DRWN	CHKD	REMARKS
10/13	CDM	FTSA		REVISIONS TO UPDATE RATES, RULES AND REGULATIONS
5/00	CDM	FTSA		PIPE BEDDING & GENERAL NOTE
2/98	CDM	FTSA		LATERAL RUNGS
5/97	CDM	FTSA		MANHOLE COATINGS, ENCAPSULATION SYSTEM, BEDDING

DESIGNED BY: H. MATTESON
 DRAWN BY: D. GARVEY
 SHEET CHK'D BY: X
 CROSS CHK'D BY: X
 APPROVED BY: X
 DATE: OCTOBER 2013



FRANKLIN TOWNSHIP SEWERAGE AUTHORITY
 SOMERSET COUNTY, NEW JERSEY

PROJECT NO. 105979-89351
 FILE NAME: CSTD1002
 SHEET NO. 2 OF 3

STANDARD DETAILS II

THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION

DYNAMIC ENGINEERING
 LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING

1904 Main Street, Lakewood, CO 80401
 1-720-974-0100 | 1-720-974-0100 | 1-720-974-0100 | 1-720-974-0100

TITLE: **FRANKLIN SEWERAGE AUTHORITY DETAILS**

PROJECT: **ACTFR PROPERTY, LLC PROPOSED WAREHOUSE BUILDING**

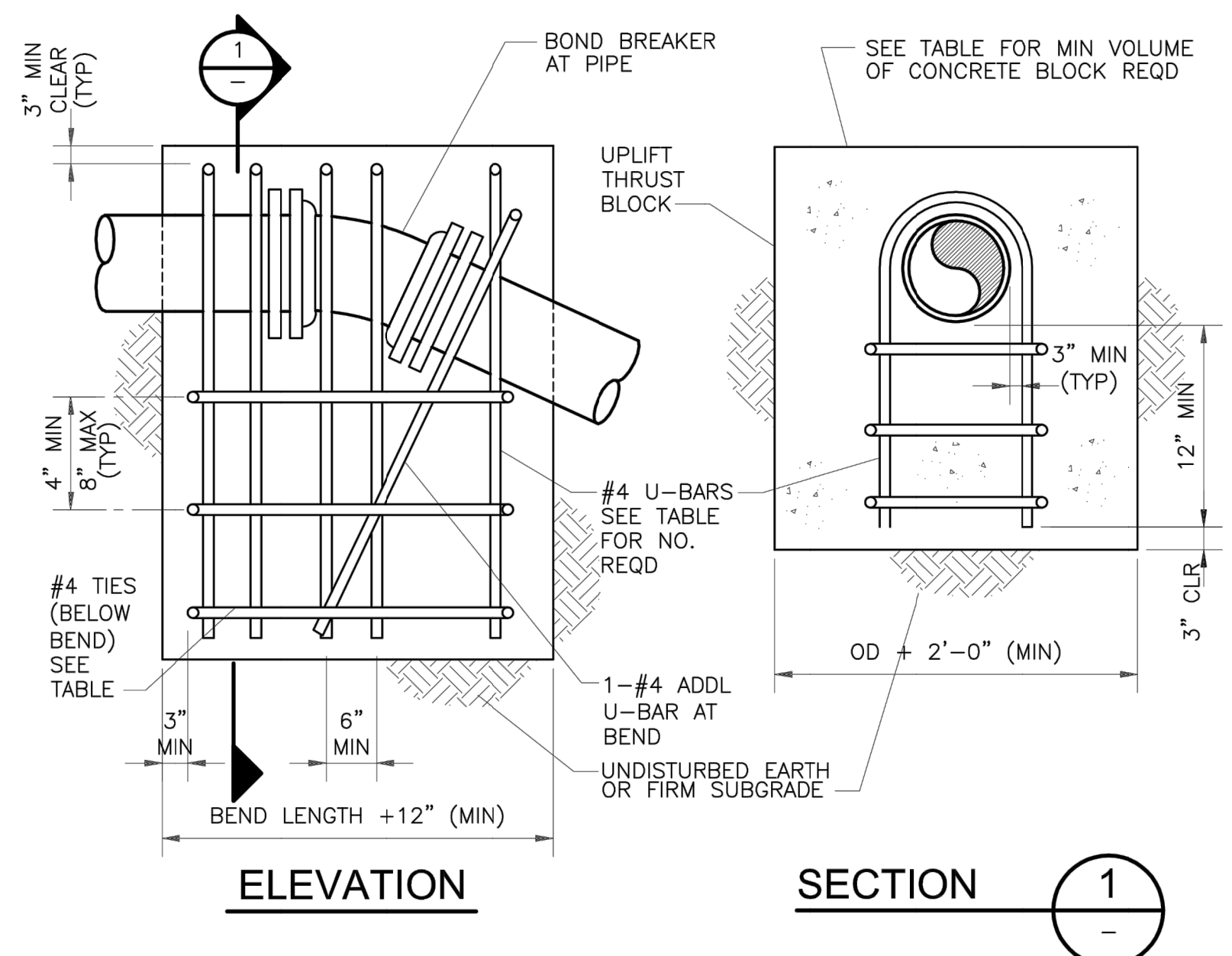
JOB No: 3532-99-001 | DATE: 01/21/2021

DESIGNED BY: RAU | SCALE: (H) NOT TO SCALE (V) SCALE

CHECKED BY: TD | SHEET No: 21 OF 24

PROFESSIONAL ENGINEER: TIAGO F. DUARTE | PROFESSIONAL ENGINEER: JACQUELYN GIORDANO

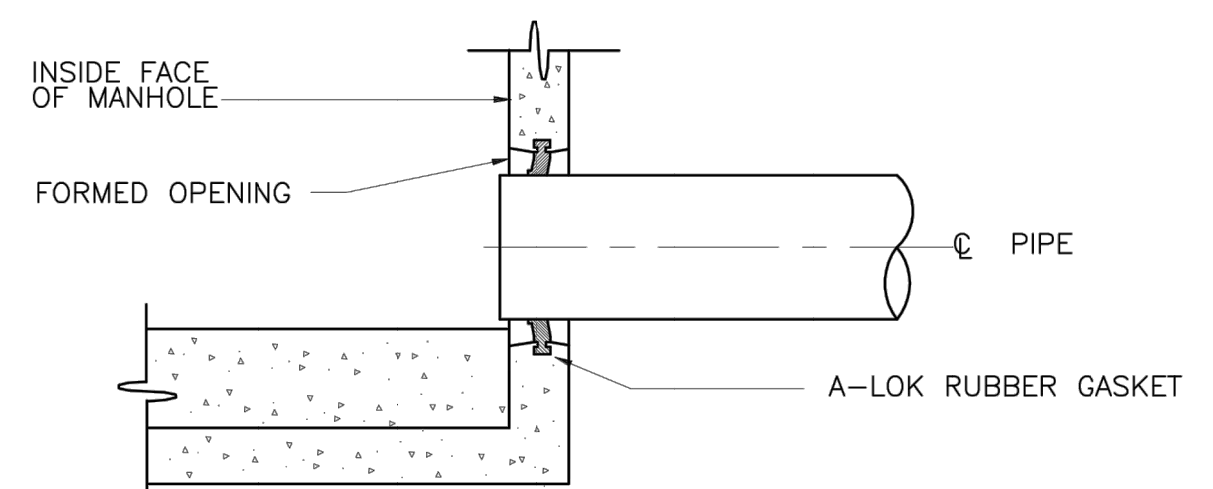
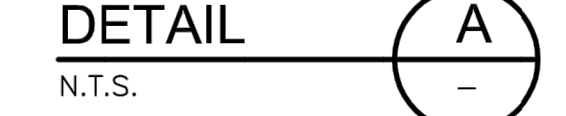
Product: 01/25/21 - 12:25 PM By: ruanorah
 Project: 3532-99-001 Warehouse Building
 File: 3532-99-001 Warehouse Building.dwg
 Plot: 3532-99-001 Warehouse Building.dwg
 Plot Path: C:\Users\ruanorah\AppData\Local\Temp\3532-99-001 Warehouse Building.dwg



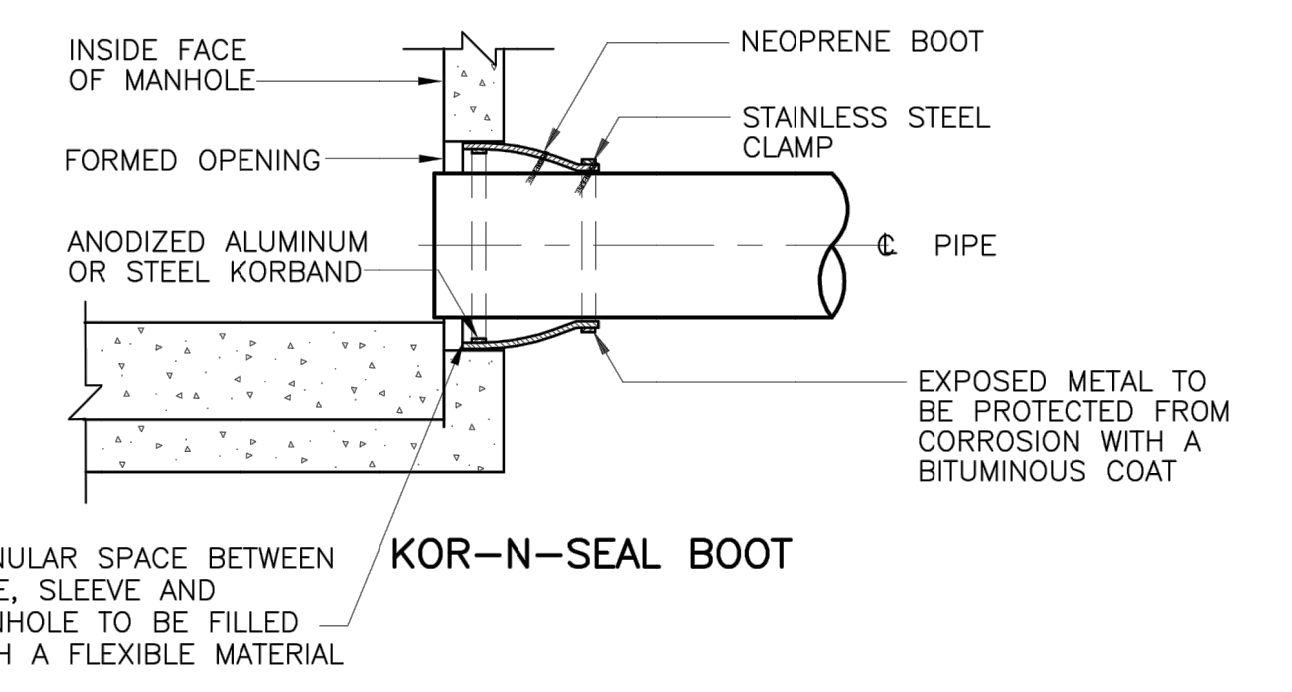
PIPE SIZE (IN.)	PIPE O.D. (IN.)	60 DEG		45 DEG		30 DEG		22.5 DEG		#4 TIES REQD
		REINF	CONC	REINF	CONC	REINF	CONC	REINF	CONC	
3	3.96	2	1	2	0.5	2	0.5	2	0.5	2
4	4.80	2	1	2	1.0	2	0.5	2	0.5	2
6	6.90	2	2	2	1.5	2	1.0	2	1.0	2
8	9.05	2	3.5	2	3	2	2	2	1.5	2
10	11.10	2	5	2	4	2	3	2	2.0	2
12	13.20	3	7	3	6	2	4	2	3	2
14	15.30	4	9	4	7	3	5	2	4	4
16	17.40	6	12	5	10	3	7	3	5	4
18	19.50	7	15	6	12	4	9	3	7	4

NOTES:
 1. "REINF" = NO. OF #4-U-BARS REQUIRED.
 2. "CONCRETE" = VOLUME OF CONCRETE BLOCK REQUIRED, CU YD.
 3. MAXIMUM TEST PRESSURE = 1.50x1.50 PSI.
 4. MINIMUM GRADE 40 REBAR.

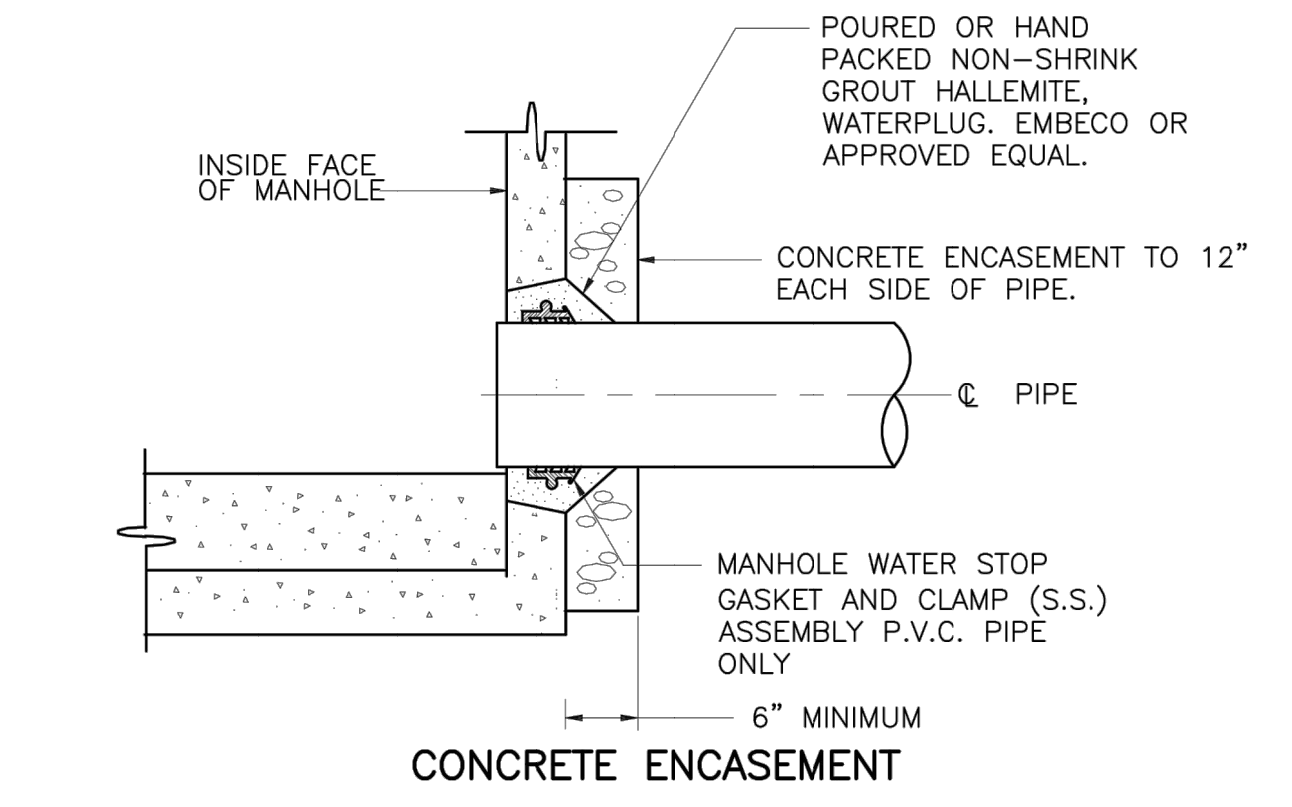
THRUST BLOCK FOR UPPER VERTICAL BENDS WITH REINFORCING BARS



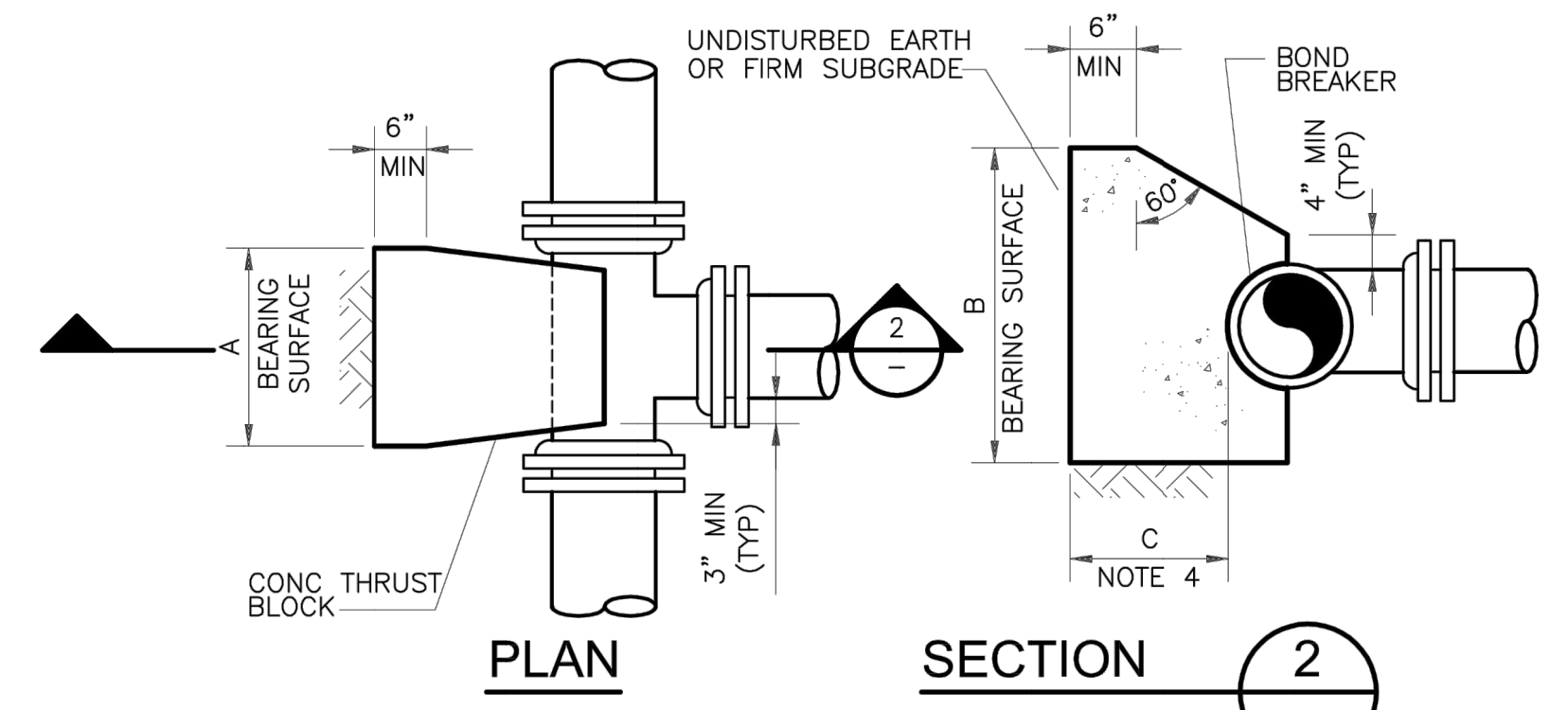
A-LOK SYSTEM



PIPE CONNECTIONS I
 DETAIL D
 N.T.S.

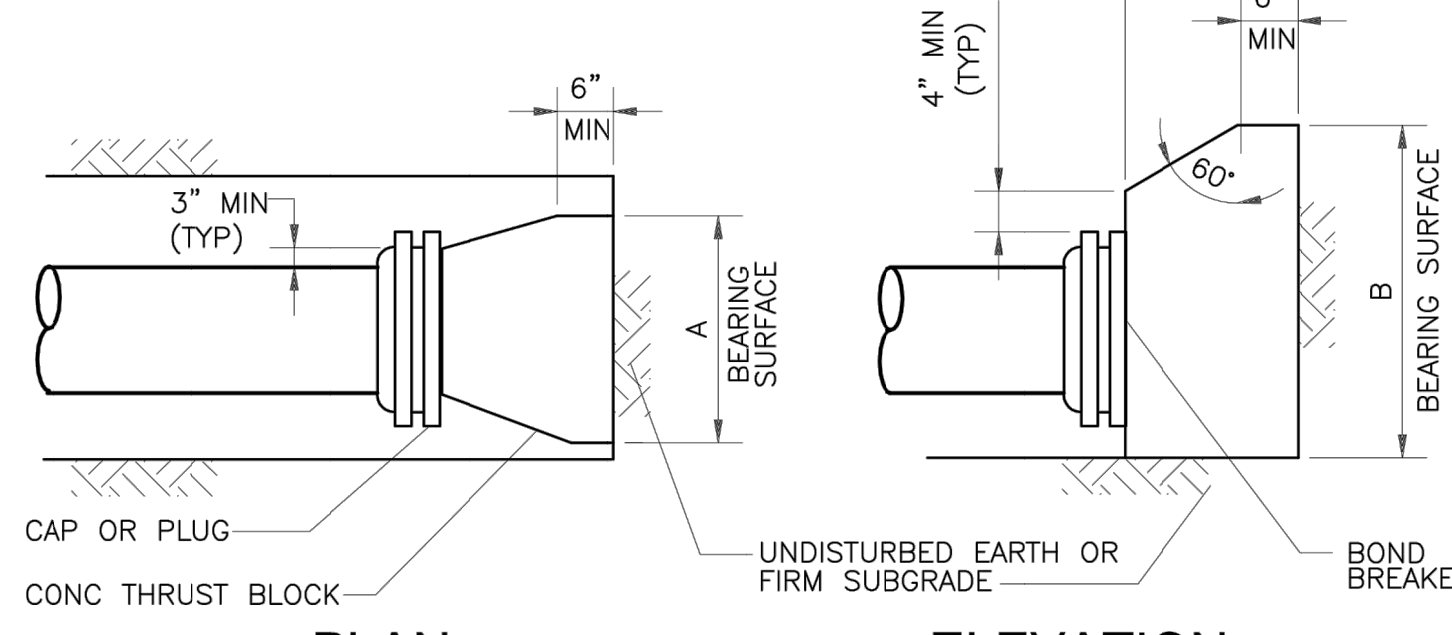


PIPE CONNECTIONS II
 DETAIL E
 N.T.S.



PLAN SECTION 2

DETAIL FOR TEES



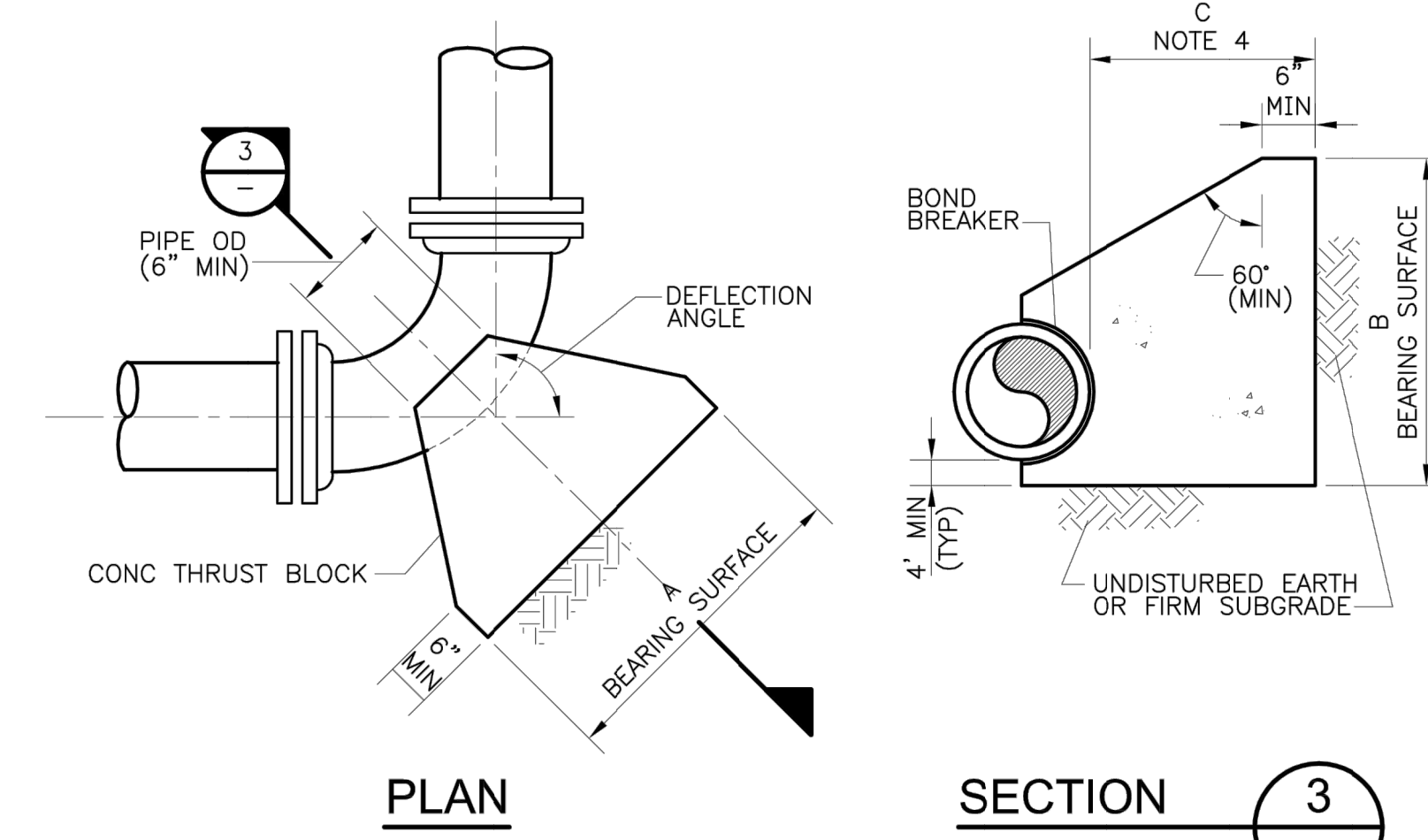
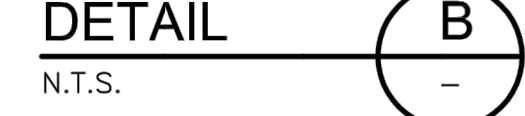
PLAN ELEVATION

DETAIL FOR CAPS OR PLUGS

NOMINAL PIPE SIZE (IN.)	MAXIMUM PIPE OD (IN.)	REQUIRED BEARING AREA (SQ FT)
3	3.96	1.4
4	4.80	2.0
6	6.90	4
8	9.05	7
10	11.10	11
12	13.20	15
14	15.30	21
16	17.40	27
18	19.50	34
20	21.60	41
24	25.80	59
30	32.00	90
36	38.30	130

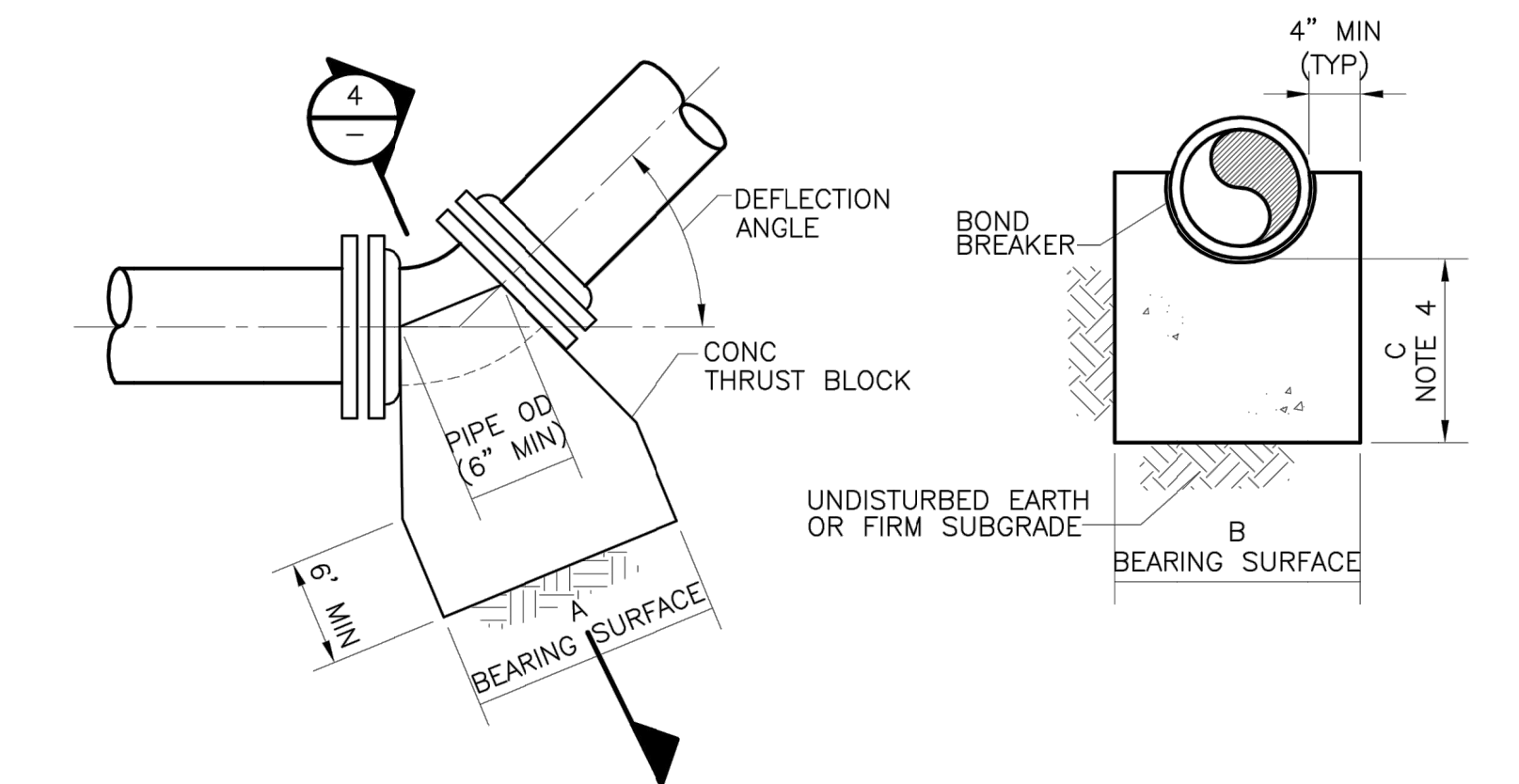
NOTES:
 1. MAXIMUM TEST PRESSURE = 1.50x150 PSI
 2. MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF
 3. BEARING AREA = A x B
 4. C SHALL BE GREATER THAN A/2 AND B/2.

THRUST BLOCK FOR TEES, CAPS AND PLUGS



PLAN SECTION 3

DETAIL FOR HORIZONTAL BENDS



ELEVATION SECTION 4

DETAIL FOR LOWER VERTICAL BENDS

NOMINAL PIPE SIZE (INCHES)	MAXIMUM PIPE OD (INCHES)	REQUIRED BEARING AREA (SQ FT)					
		90 DEG	60 DEG	45 DEG	30 DEG	22.5 DEG	11.25 DEG
3	3.96	2.0	1.4	1.1	0.7	0.5	0.3
4	4.80	2.9	2.0	1.6	1.1	0.8	0.4
6	6.90	6	4	3	2.2	1.6	0.8
8	9.05	10	7	6	4	3	1.4
10	11.10	15	11	8	6	4	2.1
12	13.20	22	15	12	8	6	3
14	15.30	29	21	16	11	8	4
16	17.40	38	27	20	14	10	5
18	19.50	48	34	26	17	13	7
20	21.60	58	41	32	21	16	8
24	25.80	83	59	45	30	23	12
30	32.00	128	90	69	47	35	18
36	38.30	183	130	99	67	51	25

THRUST BLOCKS FOR HORIZONTAL BENDS AND LOWER VERTICAL BENDS

NOTES:
 1. MAXIMUM TEST PRESSURE = 1.5 x 150 PSI
 2. MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF
 3. BEARING AREA = A x B
 4. C SHALL BE GREATER THAN A/2 AND B/2.

THRUST BLOCKS FOR HORIZONTAL BENDS AND LOWER VERTICAL BENDS



NOTE: ALL WORK SHALL COMPLY WITH THE REVISION OF THE "RATES, RULES & REGULATIONS APPLICABLE TO SEWER SERVICE IN THE TOWNSHIP OF FRANKLIN, SOMERSET COUNTY, NEW JERSEY" IN EFFECT AT THE TIME CONSTRUCTION BEGINS.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: H. MATTESON
 DRAWN BY: D. GARVEY
 SHEET CHK'D BY: X
 CROSS CHK'D BY: X
 APPROVED BY: X
 DATE: OCTOBER 2013

CDM Smith
 CDM Smith Inc.
 110 Fieldcrest Avenue, #8, 6th Floor
 Edison, NJ 08837
 Tel: (732) 225-7000

FRANKLIN TOWNSHIP SEWERAGE AUTHORITY
 SOMERSET COUNTY, NEW JERSEY

PROJECT NO. 105979-89351
 FILE NAME: CSTD1003
 SHEET NO. 3 OF 3

STANDARD DETAILS III

Product: 01/25/21, 12:25 PM, By: rmanorath, Project: 105979-89351, Action: Acquisition, User: rmanorath, File Path: C:\Users\rmanorath\Documents\105979-89351\105979-89351-001\Standard Details\Standard Details.dwg

THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION

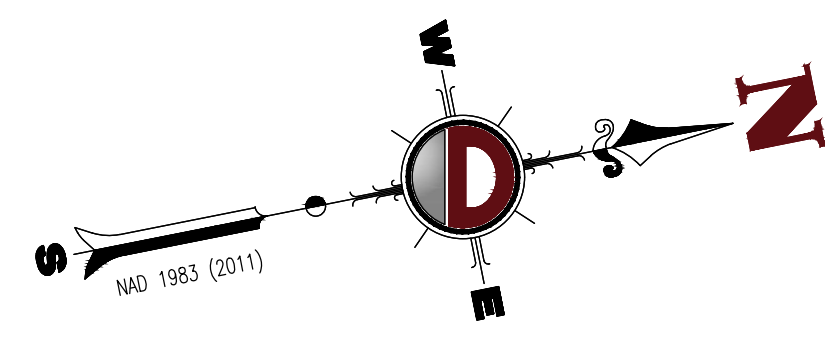
DYNAMIC ENGINEERING
 LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING

TITLE: **FRANKLIN SEWERAGE AUTHORITY DETAILS**

PROJECT: **ACTFR PROPERTY, LLC PROPOSED WAREHOUSE BUILDING**
 BLOCK 517.01, LOT 8.06
 401 COTTONTAIL LANE
 FRANKLIN TOWNSHIP, SOMERSET COUNTY, NEW JERSEY

JOB No: 3532-99-001 DATE: 01/21/2021
 DRAWN BY: RAU SCALE: (H) NOT TO (V) SCALE
 DESIGNED BY: TD SHEET No:
 CHECKED BY: JD
 TIAGO F. DUARTE JACQUELYN GIORDANO
 PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52568 PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 53358

22
 OF 24
 Rev. # 0



TAX LOT 3.20
N/F PAY FOR PLAY INVESTMENTS, LLC
DB. 5154, PG. 2571

438.53' (S)

N7° 09' 16"W

Cap. Pnd.

SOIL REMEDIATION BUFFER
100' DBOC SYSTEM COMPATIBLE BUFFER

Somerset County
Drainage Easement

TAX LOT 8.06
BLOCK 517.01
N/F M-AFFILIATES & ELKINS
ENTERPRISES
DB. 5398, PG. 3403
300,783 SF, 6.905 AC.

TAX LOT 8.07
M-AFFILIATES & ELKINS
ENTERPRISES
DB. 5398, PG. 3403

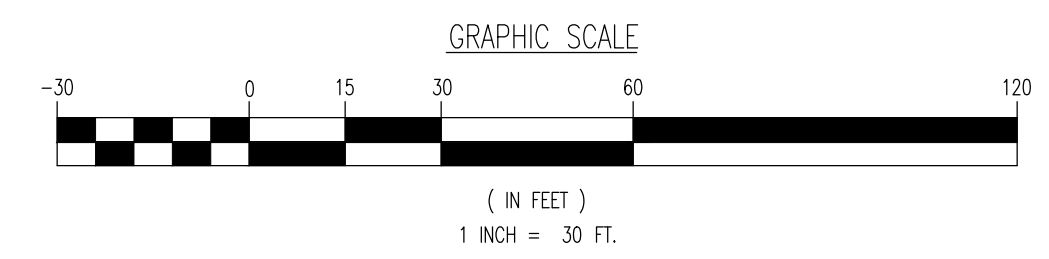
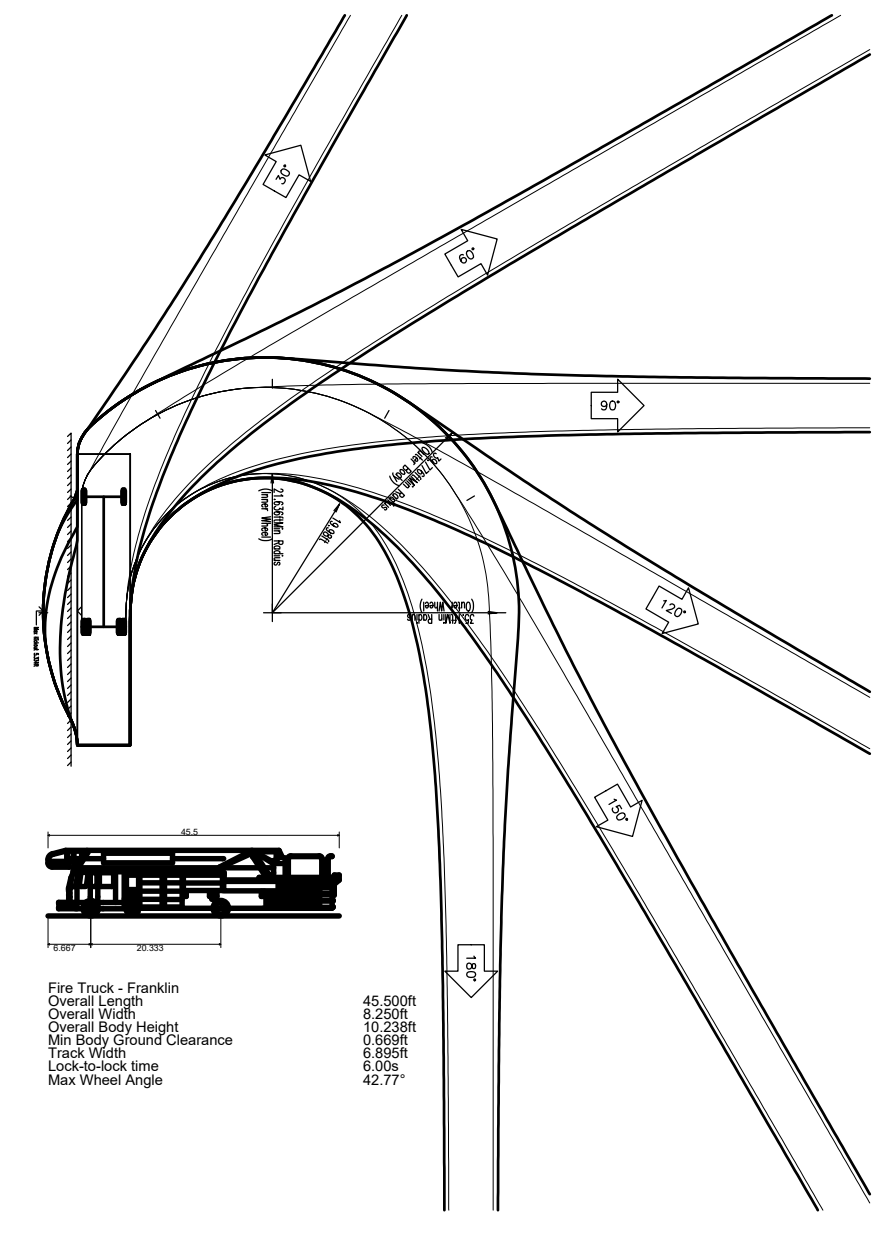
TAX LOT 8.05
N/F M-AFFILIATES & ELKINS
ENTERPRISES
DB. 5398, PG. 3403

PROPOSED SPECULATIVE WAREHOUSE
100,125 GROSS SF
95,625 SF WAREHOUSE
4,500 SF PROPOSED OFFICE
14 DOCK POSITIONS
1 DRIVE IN DOOR WITH RAMP

PROPOSED OFFICE
4,500 SF

ELEC ROOM FIRE PUMP

COTTONTAIL LANE
(VARIABLE ROW WIDTH PER TAX MAP)



Product: 01/25/21 12:25 PM By: rmanorath
Project: 3532-99-001 Warehouse Building
Title: Warehouse Building - 001 - Fire Truck Vehicle Circulation Plan
Scale: 1"=30'

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1984 Main Street
Lakewood, NJ 07033
T: 732.974.1188
F: 732.974.1921
www.dynamiceng.com

TITLE: **VEHICLE CIRCULATION PLAN (FIRE TRUCK)**

PROJECT: **ACTFR PROPERTY, LLC
PROPOSED WAREHOUSE BUILDING**
BLOCK 517.01, LOT 8.06
401 COTTONTAIL LANE
FRANKLIN TOWNSHIP, SOMERSET COUNTY, NEW JERSEY

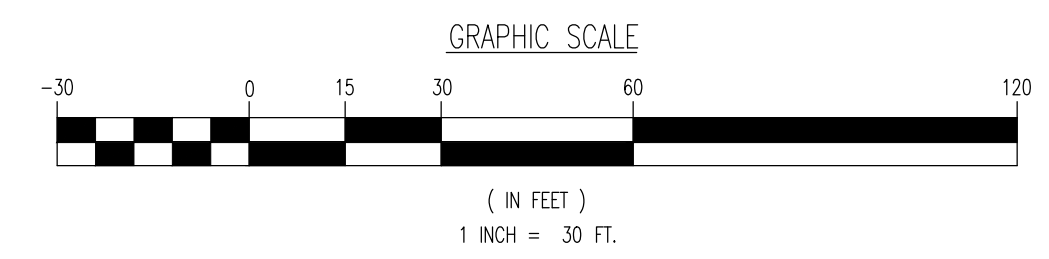
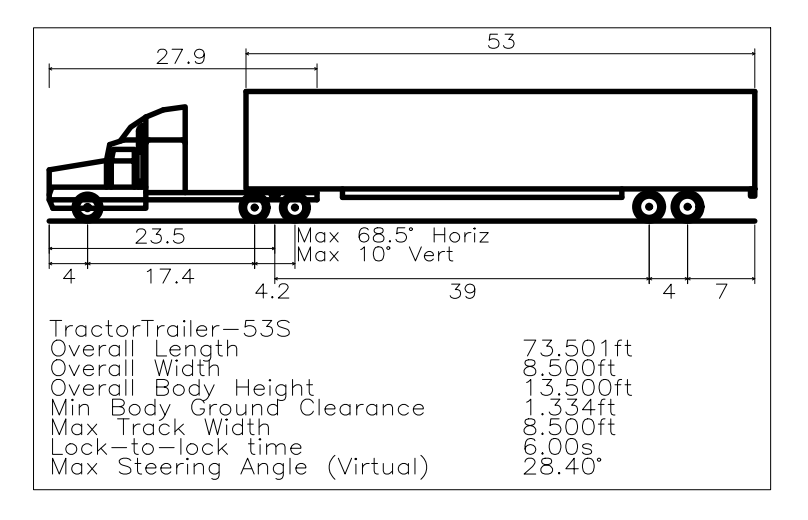
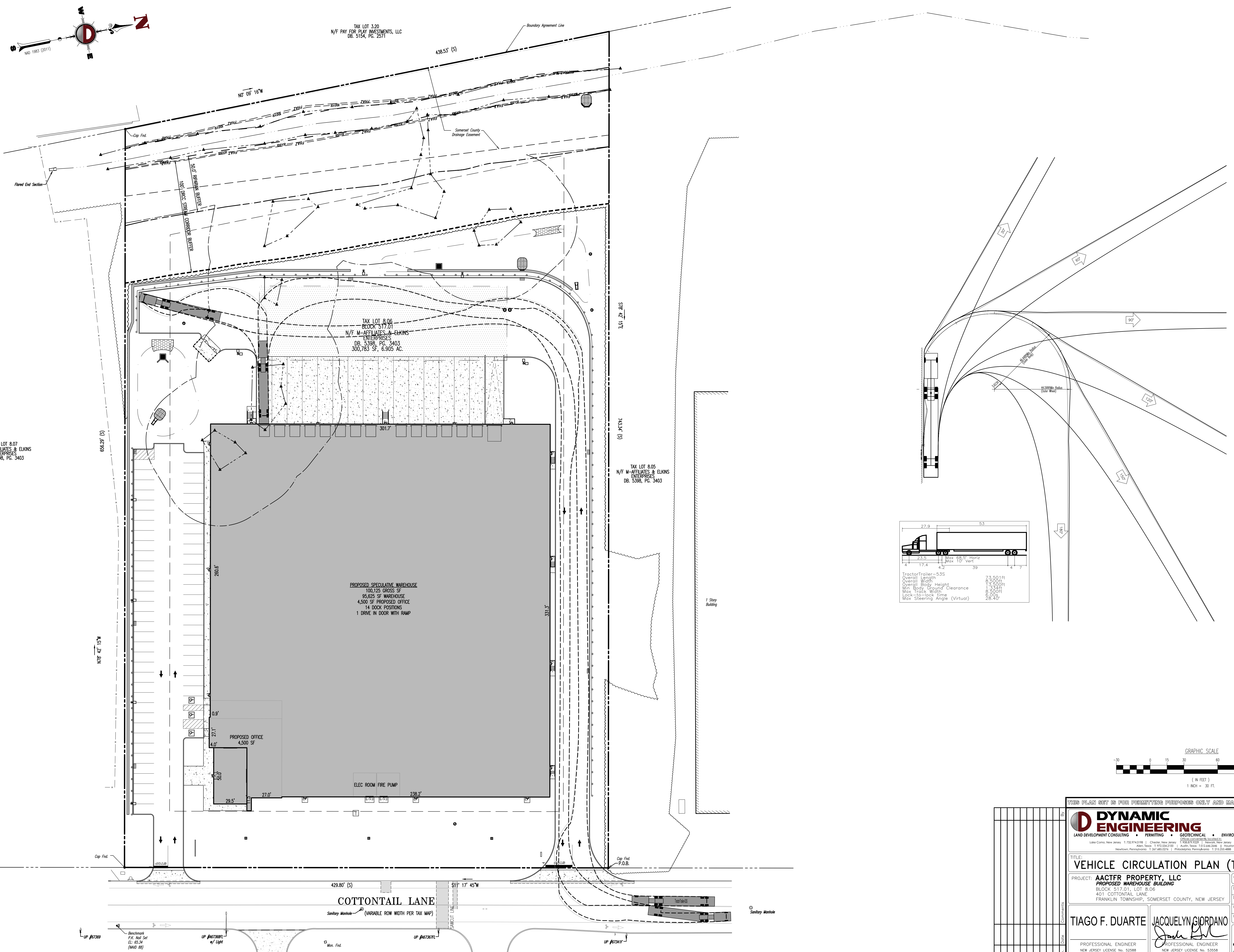
JOB No: 3532-99-001 DATE: 01/21/2021
DRAWN BY: RAU SCALE: (H) 1"=30'
DESIGNED BY: TD (V)
CHECKED BY: JD SHEET No:
CHECKED BY: - 23
OF 24

TIAGO F. DUARTE PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 52568

JACQUELYN GIORDANO PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 53558

PROTECT YOURSELF
ALWAYS WEAR YOUR SEATBELT
NEVER DRINK AND DRIVE
DRIVING IS A PRIVILEGE
NOT A RIGHT. PLEASE BE RESPONSIBLE.
FOR MORE SAFETY SHEET INFORMATION VISIT
WWW.CALEBT.COM

Rev. # 0



Product: Ver. 23.1a (LMS Tech)
 Project: M-AFFILIATES & ELKINS ENTERPRISES
 Date: 01/21/2021
 Author: JACQUELYN GIORDANO
 Title: VEHICLE CIRCULATION PLAN (TRACTOR TRAILER)
 Scale: 1" = 30'
 Sheet: 24 of 24
 Copyright: © 2021 - DYNAMIC ENGINEERING CONSULTANTS, PC - ALL RIGHTS RESERVED

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DYNAMIC ENGINEERING LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING 1804 Main Street Lakewood, NJ 07033 Phone: 908.418.1188 Fax: 908.418.1189 Website: www.dynamiceng.com	
TITLE: VEHICLE CIRCULATION PLAN (TRACTOR TRAILER)	
PROJECT: AACTR PROPERTY, LLC PROPOSED WAREHOUSE BUILDING BLOCK 517.01, LOT 8.06 401 COTTONTAIL LANE FRANKLIN TOWNSHIP, SOMERSET COUNTY, NEW JERSEY	
JOB No.: 3532-99-001 DATE: 01/21/2021 SCALE: (H) 1" = 30' (V)	SHEET No.: 24 OF 24
DESIGNED BY: RAU CHECKED BY: TD DATE:	DATE:
TIAGO F. DUARTE PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52568	
JACQUELYN GIORDANO PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 53558	
PROTECT YOURSELF ALL WORK SHALL BE PERFORMED BY LICENSED ENGINEERS OR ARCHITECTS UNLESS OTHERWISE SPECIFIED PLEASE DO NOT SCALE DRAWINGS UNLESS SPECIFICALLY NOTED FOR SHEET NO. SEE SHEET NUMBER FOR WWW.CALLET.COM	