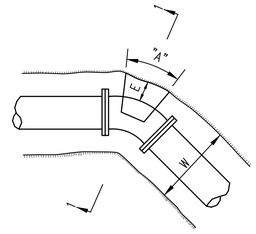
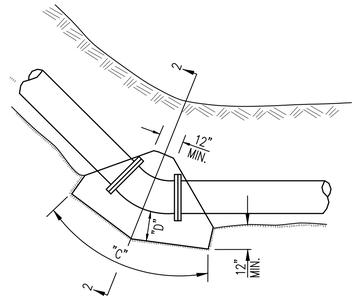
SCHEDULE OF DIMENSIONS

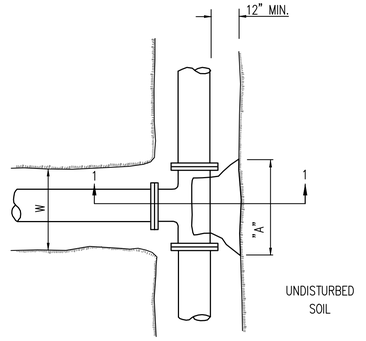
TYPE OF FITTING	HORIZONTAL BENDS										TEES AND DEAD ENDS ③	
	90°		45°		22 1/2°		11 1/4°		5 5/8°			
TYPICAL DIM / PIPE SIZE	"A" FT–IN	"B" FT–IN	"A" FT–IN	"B" FT–IN	"A" FT–IN	"B" FT–IN	"A" FT–IN	"B" FT–IN	"A" FT–IN	"B" FT–IN	"A" FT–IN	"B" FT–IN
2" – 6"	2–6	1–0	2–0	1–0	1–0	1–0	1–0	1–0	1–0	1–0	2–6	1–0



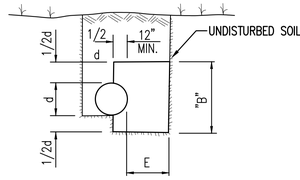
PLAN-HORIZONTAL BEND THRUST BLOCKING



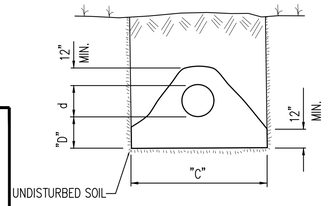
ELEV.-VERTICAL UNDERBEND THRUST BLOCKING



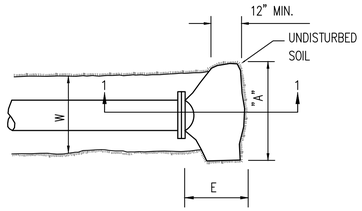
PLAN-TEE THRUST BLOCKING



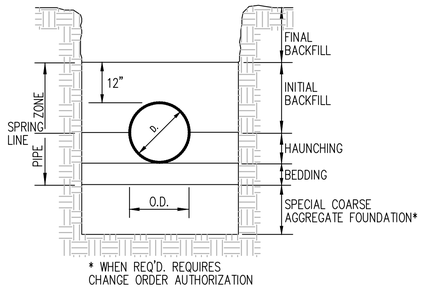
SECTION 1-1



SECTION 2-2

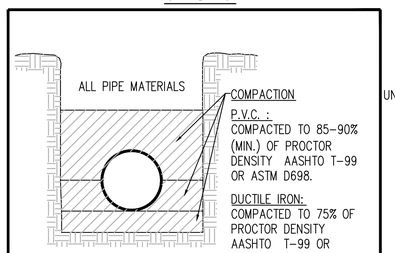


PLAN-DEAD END THRUST BLOCKING



* WHEN REQ'D. REQUIRES CHANGE ORDER AUTHORIZATION

DEPTH 0' TO 10'



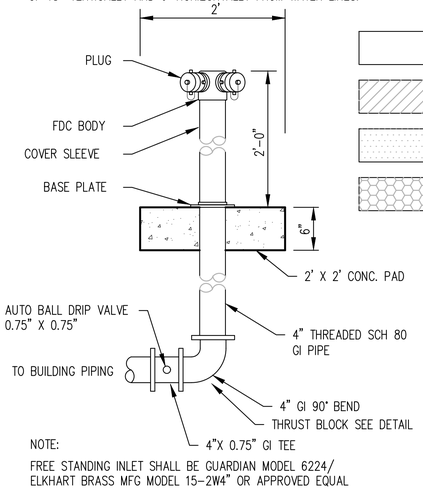
TRENCH WIDTHS					
PIPE SIZE	PIPE ZONE		ABOVE PIPE ZONE MAXIMUM		
	MINMUM	MAXIMUM	0'–5'	+5'–12'	+12'–30'
4"	1'–6"	3'–0"	3'–0"	6'–0"	8'–0"
6"	1'–10"	3'–0"	3'–0"	6'–0"	8'–0"
8"	2'–2"	3'–6"	3'–6"	6'–0"	8'–0"
10"	2'–4"	3'–6"	3'–6"	6'–0"	8'–0"
12"	2'–7"	3'–6"	3'–6"	8'–0"	10'–0"
15"	2'–11"	4'–0"	4'–0"	8'–0"	10'–0"
18"	3'–4"	4'–0"	4'–0"	8'–0"	10'–0"
24"	3'–9"	4'–6"	4'–6"	8'–0"	12'–0"
27"	4'–6"	5'–0"	5'–0"	8'–0"	12'–0"
30"	5'–0"	5'–6"	5'–6"	8'–0"	12'–0"

TRENCH CROSS-SECTION

(TERMINOLOGY AND WIDTHS)

NOTES:

1. DEPTHS SHOWN TYPICALLY MEAN EQUAL TO 1st NUMBER AND LESS THAN 2nd NUMBER. EXAMPLE: 14' TO 16' MEANS 14' OR MORE, BUT LESS THAN 16'.
2. ALL SEWER MAINS AND SERVICES SHALL BE A MINIMUM OF 18" VERTICALLY AND 6' HORIZONTALLY FROM WATER LINES.

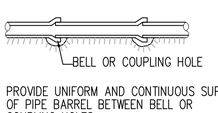


NOTE:

FREE STANDING INLET SHALL BE GUARDIAN MODEL 6224/ ELKHART BRASS MFG MODEL 15–2W4" OR APPROVED EQUAL

TWO-WAY INLET CONNECTION

N.T.S.



PROVIDE UNIFORM AND CONTINUOUS SUPPORT OF PIPE BARREL BETWEEN BELL OR COUPLING HOLES.

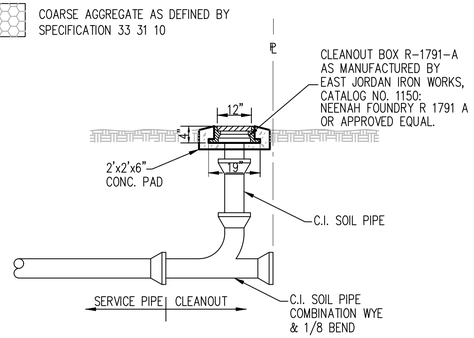
TYPICAL DETAIL

ALL NON–PRESSURE SEWER PIPES

N.T.S.

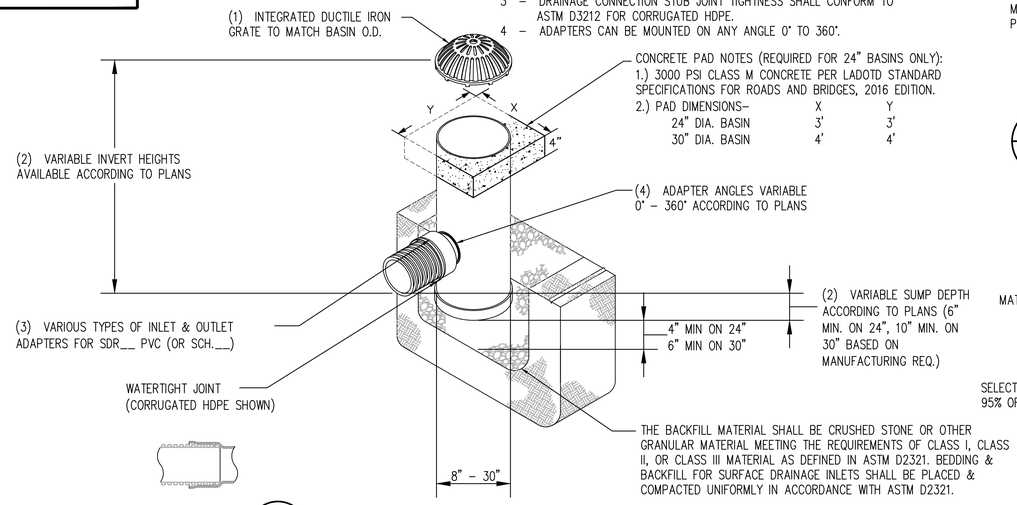
LEGEND

- TRENCH BACKFILL AS REQUIRED BY SPECIFICATION 33 31 10
- SELECT NATIVE SOIL AS DEFINED BY SPECIFICATION 33 31 10
- SELECT BACKFILL AS DEFINED BY SPECIFICATION 33 31 10
- COARSE AGGREGATE AS DEFINED BY SPECIFICATION 33 31 10



TYPICAL CLEANOUT AT END OF LINE

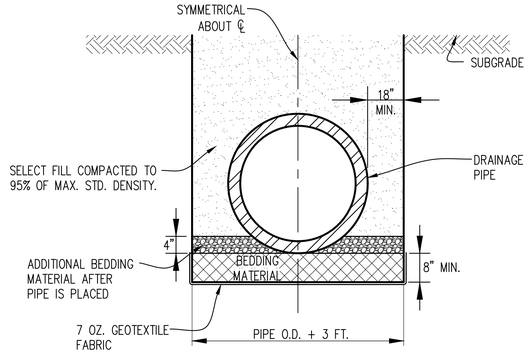
N.T.S.



1 C302 NYOPLAST DRAIN BASIN WITH DOME GRATE

N.T.S.

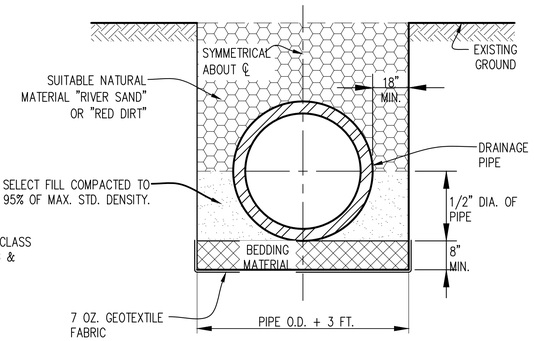
1 – 8" – 30" DOME GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70–50–05.
2 – DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS.
3 – DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE.
4 – ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°.



2 C302 DRAINAGE PIPE INSTALLATION UNDER ROADWAY OR INSIDE ROADWAY CLEAR ZONE

N.T.S.

(ROADWAY CLEAR ZONE IS 5' OUTSIDE OF CONCRETE OR STONE EDGE)



3 C302 DRAINAGE PIPE INSTALLATION OUTSIDE OF ROADWAY CLEAR ZONE

N.T.S.

(ROADWAY CLEAR ZONE IS 5' OUTSIDE OF CONCRETE OR STONE EDGE)

Stantec
Stantec (Formerly Bradley-Bewster & Associates)
3051 Bricksome Ave, Suite 400
Baton Rouge, LA 70802
Tel: 225-765-7400
www.stantec.com

Copyright Reserved
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing. Any discrepancies shall be reported to the Consultant immediately. The Copyright to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultant

Revision	By	Appd	YYYY.MM.DD

Design Phase Acceptance

Permit/Seal

STATE OF LOUISIANA
W. LUKE MILLER
License No. 36341
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
10/14/25

Client/Project
CITY OF NATCHITOCHES
NEW FIRE STATION NO. 3
NATCHITOCHES, LOUISIANA

Project No.: 222706059
File Name: 7824_SITE_PLAN
Scale: N.T.S.
Dwn. | Dsgn. | Chkd. | 2025.09.26 YYYY.MM.DD
Title GRADING & UTILITY DETAILS

MEYER, MEYER, LeCROIX & HIXSON, Inc.
ENGINEERS & LAND SURVEYORS
ALEXANDRIA, LOUISIANA

PROJ. NO. 7824 DATE: 7/11/25
DESIGN: WLM DRAWN: GO

Revision: Sheet: of
Drawing No. C302

n:\7501 - 8000\7824 - natchitoches fire station\2.preliminary plans\cad\fr7824_site_plan
2025.10.14 4:43:00 PM