

TYPICAL CONCRETE DRAINAGE PIPE TRENCH DETAIL
(36"-72" RCP) AND [42"-96" RCPA] N.T.S.

(RCP) & [RCPA] MINIMUM * BEDDING THICKNESS (in.)**

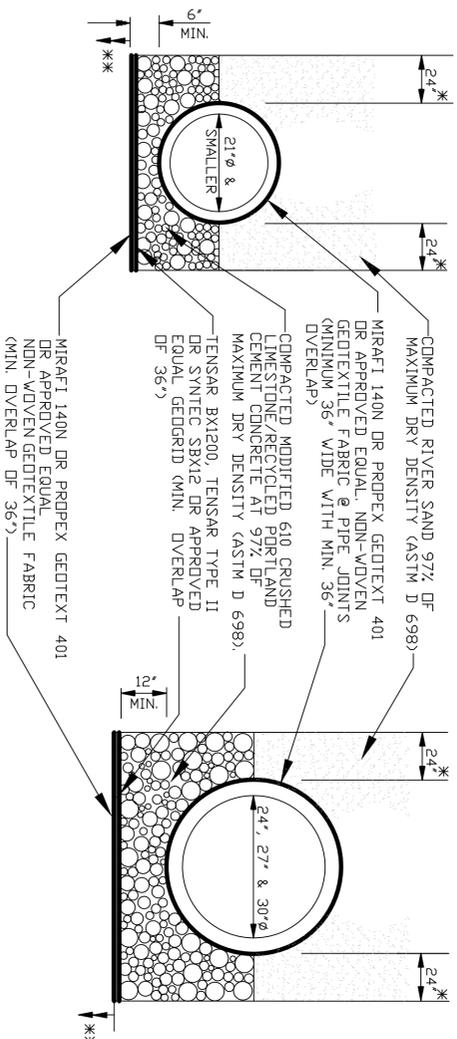
PIPE SIZE (RCP)	BEDDING LAYER	ALLOWABLE SOIL BEARING CAPACITY (psf.)	UNDISTURBED SUBGRADE NET BEARING CAPACITY (psf.)
(36" & 42")	(1)	20"	18"
[42" & 48"]	(2)	8"	8"
TOTAL THICKNESS		28"	24"
(48" & 54")	(1)	22"	20"
[54" & 60"]	(2)	10"	10"
TOTAL THICKNESS		32"	30"
(60" & 72")	(1)	34"	30"
[72", 84" & 96"]	(2)	10"	10"
TOTAL THICKNESS		44"	40"

PIPE BEDDING LIMESTONE

U.S. SIEVE	METRIC SIEVE	PERCENT PASSING
1 1/2"	37.5 mm	100
1"	25 mm	95-100
1/2"	12.5 mm	25-60
#4	4.75 mm	0-10
#8	2.36 mm	0-5

MODIFIED 610 LIMESTONE

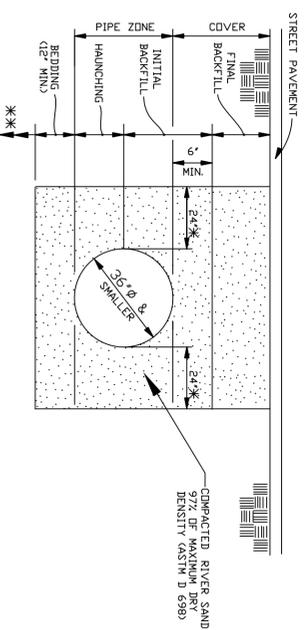
U.S. SIEVE	METRIC SIEVE	PERCENT PASSING
1 1/2"	37.5 mm	100
1"	25 mm	90-100
3/4"	19 mm	70-100
1/2"	12.5 mm	60-90
3/8"	9.5 mm	50-80
#4	4.75 mm	35-65
#40	425 μ m	12-32
#200	75 μ m	5-12



SMALL (RCP) & [RCPA] PIPE TRENCH DETAILS
N.T.S.

PVC PIPE DRAIN LINE STANDARD TRENCH DETAIL

FOR A-2000, CORR-21, AND ULTRA CORR PVC PIPE (ASTM F-794 AND ASTM D2321) N.T.S.



MIN. COVER (PVC PIPE)	PAVEMENT TYPE
12"	CONCRETE
18"	ASPHALT
24"	NON-PAVED

NOTES:

- *1. SIDE BEDDING WIDTH MAY BE REDUCED WITH JEFFERSON PARISH PROJECT ENGINEER'S APPROVAL.
- THE DEPARTMENT OF ENGINEERING RESERVES THE RIGHT TO MODIFY PIPE BEDDING REQUIREMENTS IN ACCORDANCE WITH EXISTING FIELD CONDITIONS ENCOUNTERED DURING CONSTRUCTION.
- TRENCH SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. THE PARISH OR ITS REPRESENTATIVES RESERVE THE RIGHT TO REQUIRE THE CONTRACTOR TO MODIFY ANY PORTIONS OF SHORING SYSTEM DEEMED UNSAFE, BUT THE FINAL RESPONSIBILITY FOR THE WORKER'S SAFETY REMAINS WITH THE CONTRACTOR. TRENCH DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST OSHA STANDARDS AND REQUIREMENTS.
- TIMBER SHEETING, IF USED, MUST REMAIN IN PLACE AND BE CUT OFF A MINIMUM OF 3 FEET BELOW FINISHED GRADE.
- ALL CONCRETE PIPE SHALL BE ASTM C-76 (RCP) AND ASTM C-506 (RCPA), CLASS III, WALL B, REINFORCED CONCRETE PIPE WITH TYPE 2 JOINTS.
- THE CONTRACTOR MUST REVIEW ALL DETAILS AND CHARTS INCLUDED ON THIS STANDARD DRAWING SHEET PRIOR TO BIDDING. FOR PIPES 36" AND LARGER, THE TRENCH DESIGN AND BEDDING THICKNESSES WILL VARY DEPENDING ON THE "UNDISTURBED SUBGRADE NET ALLOWABLE SOIL BEARING CAPACITY" VALUE. THE "DESCRIPTION SECTION" OF "TECHNICAL SPECIFICATIONS" FOR "CULVERTS AND STORM DRAINS" MUST REFERENCE THIS JEFFERSON PARISH STANDARD DRAWING AND MUST PROVIDE THE "UNDISTURBED SUBGRADE NET ALLOWABLE SOIL BEARING CAPACITY" VALUE.

**7 WHERE GROUND WATER OR AN UNSTABLE TRENCH BOTTOM EXISTS, THE TRENCH BOTTOM SHALL BE STABILIZED (ASTM D2321) TO PROVIDE A WORKING PLATFORM. REMOVE MUCK OR OTHER SOFT MATERIAL, TREE ROOTS, AND/OR ANY OTHER UNSURABLE MATERIAL FROM THE TRENCH BOTTOM TO A DEPTH NECESSARY TO ESTABLISH A FIRM FOUNDATION.

**8. GEOTECHNICAL REPORT'S RECOMMENDATIONS FOR PIPE BEDDING, IF MORE STRINGENT, SHALL SUPERSEDE THESE MINIMUM THICKNESSES.

LEGEND:

- (1) BEDDING LAYER
- (RCP) REINFORCED CONCRETE CIRCULAR (ROUND) PIPE.
- [RCPA] REINFORCED CONCRETE ARCH PIPE

JEFFERSON PARISH DEPARTMENT OF ENGINEERING

TYPICAL (RCP), (RCPA) & (PVC) PIPE TRENCH DETAILS

DESIGNED BY: C.J.	DATE: 11/04/2011	DESIGNED BY: M.R.M.	DATE: 11/04/2011
REVISION BY: C.J.	DATE: 05/10/2012	REVISION BY: ---	DATE: ---
REVISION BY: C.J.	DATE: 07/11/2013	REVISION BY: ---	DATE: ---
REVISION BY: C.J.	DATE: 02/10/2015	REVISION BY: ---	DATE: ---

PROJECT: AUTOCAD LT. 2008

FILE NUMBER: ---