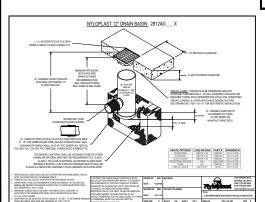
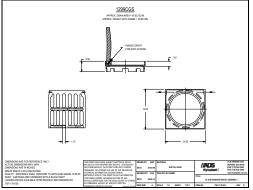


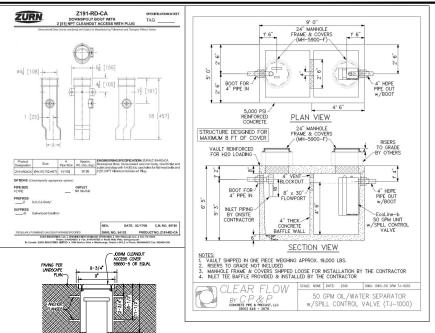
EMOLITY AND THE MAIN TO THE CLEANOUT STACK WYE (EXCEPT FOR D



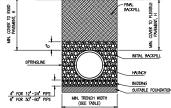


ESTERN VIRGINIA REGIONAL - CONSTRUCTION DET

SANITARY SEWER PIPE ABANDONMENT AT A MANHOLE



HDPE BEDDING DETAIL



## NOTES:

CLEANOUT FRAME AND COVER

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTIM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEMERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- 3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAMITE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECHED BY THE ENGINEER. AS AN ALTERWATINE AND AT THE DECERTION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABLIZED USING A GEOTEXTILE WITERIAL.
- 4. BEDDING: SUITABLE IMPERIAL SHALL BE VOOT STD. 21A/ 21B. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR IMPERIAL SPECIFICATION TO BESINEER. UNLESS OF OTHERWISE NOTE BY THE BENNEER, MINAUM BEDDING THICKNESS SHALL BE  $4^*$  (100mm) FOR  $4^*$ -24 $^*$  (100mm-800mm);  $6^*$  (150mm) FOR  $30^*$ -60 $^*$  (750mm-900mm).
- 5. HAUNCH: GUITABLE MATERIAL SHALL BE VIDOT 6TD, 21A/ 21B. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, MATERIAL SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATION.
- 6. <u>NITML MACKELL:</u> SUITMALE MITERIL, SHALL BE VDOT SID. 21A/ 21B IN THE PIPE ZONE EXTENDING NOT LESS THAN 6' ABOVE CROWN OF PIPE. THE COMPACTOR SHALL PROVIDE COLLIMINATION FOR MITERIL SPECIFICATION TO BIGNEER, MATERIL SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATION.
- 7. MANUAL COLES MANUAL COVER, H. N. MAN-TEVER APPLICATION (GREED OF LANGUAGE) BY TROOM IN TO GET THE OWNER OF THE OWNER OF THE OWNER OWNER, MANUAL COLES TO GET THE OWNER OWNER OWNER OWNER OWNER OF THE OWNER OWN

PIPE DIAM.	MIN. TRENCH WIDTH
4'	21"
6"	25
8"	26"
10"	26"
12"	30"
15"	34"
16"	39"
24	46"
30"	56"
36"	64"
42"	72"
46"	80"
54"	86"
60"	96"

VEHICLE LOADING CONDITIONS					
SURFACE LIVE LOADING CONDITION					
PIPE DVA.	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *			
12" - 48"	12"	46"			
54 - 60	24"	60"			
* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER					

'	C203	CP22-0025		
MO.	21436	SHEET NO	7 "	13

PERKINS ORRISON NOINEED - A FLANNED - A 1916 JE 17 BROOK PARK PL FOREST VIRGINIA 2455 17 W. NELSON STREET LEXINGTON, VIRGINIA 24450 PHONE: 540-464-9001 FAX: 540-464-5009 EMAIL: pno@perkins-orrison.com CONSULTANTS City of Roanoke Planning, Building, & Development APPROVED by Aaron Cypher 10/17/2022 SEAL: Lic. No. 031849 10/06/2022 JOB: 950 ORANGE AVE CAR WASH CITY OF ROANOKE, VIRGINIA CLIENT: THOMAS BUILDERS

> 2 10/08/2022 PER CITY COMMENTS 09/23/2022 PER CITY COMMENTS MARK DATE DESCRIPTION

ISSUE: 07/07/2022 CONTOUR INTERVAL: DESIGNED BY: DRAWN BY: RHO PW6 RH0

CHECKED BY SHEET TITLE

UTILITY DETAILS