RIGID PAVEMENT, H MIN. COVER TO 4" FOR 12"-24" PIPE 6" FOR 30"-60" PIPE SPRINGLINE MIN. TRENCH WIDTH (SEE TABLE) FINAL BACKFILL BACKFILL NITIAL SUITABLE BEDDING FOUNDATION HAUNCH FLEXIBLE PAVEMENT, H MIN. COVER TO

ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE

APPLICATIONS", LATEST ADDITION UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW

- 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 EXCAVATE TO A BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE
- ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) 4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE FOR 30"-60" (750mm-900mm) DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE
- PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE 5. <u>INITIAL BACKFILL:</u> SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO 6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321 LATEST EDITION.

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PAVEMENT OR TO TOP OF RIGID PAVEMENT.

AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS WITENDED TO DEPICT THE COMPONENTS AS REQUISETED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HERRIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESS DETAILS PROVIDE THE CONSTRUCTION. IT IS THE DESIGN ENGINEERS OF RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HERRIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THE DETAILS PROVIDED HERRIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HERRIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HERRIN MEETS OR EXCEEDS THE

RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM. MIN. TRENCH WIDTH 4" 21" 6" 23" 8" 26" 10" 28" 115" 30" 124" 30" 24" 48" 36" 64" 42" 72" 48" 88" 56" 96"															
MIN. TRENCH WIDTH 21" 26" 26" 30" 34" 34" 72" 88" 88"	60"	54"	48"	42"	36"	30"	24"	18"	15"	12"	10"	8	6"	4"	PIPE DIAM.
	96"	88"	80"	72"	64"	56"	48"	39"	34"	30"	28"	26"	23"	21"	MIN. TRENCH WIDTH

MINIMUM RECOMMENDED COVER BASED ON VECHICLE LOADING CONDITIONS

60"	24"	54" - 60"
48"	12"	12" - 48"
HEAVY CONSTRUCTION (75T AXLE LOAD) *	H-25	PIPE DIAM.
SURFACE LIVE LOADING CONDITION	SURFACE LIV	

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

MINIMUM RECOMMENDED COVER BASED ON RAILWAY LOADING CONDITIONS

PIPE DIAM. COOPER E-80** UP TO 24" 24" 30"-36" 36" 42"-60" 48"		
	48"	42"-60"
	36"	30"-36"
	24"	UP TO 24"
	COOPER E-80**	PIPE DIAM.

** COVER IS MEASURED FROM TOP OF PIPE TO BOTTOM OF RAILWAY TIE.

E-80 COVER REQUIREMENTS, ARE ONLY APPLICABLE TO ASTM F 2306 PIPE

DRAM					
	CHK'D	MM/DD/YY	ВҮ	DESCRIPTION	REV.
		08/20/07	J.R	ADDED E-80 INFORMATION	2

4640 TRUEMAN BLVD HILLIARD, OHIO 43026

DRAWING NUMBER:

STD-101

TYPICAL TRENCH

10/18/06 ue 0,0 CKS SIN