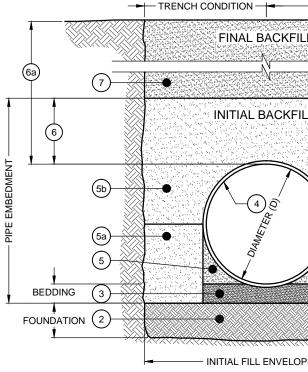


Approved



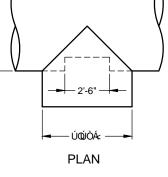
BACKFILL REQUIREMENTS FOLLOW THE GUIDELINES OF AASHTO LI

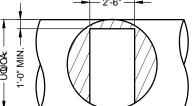
- MINIMUM TRENCH WIDTH MUST ALLOW ROOM FOR PROPER COM THE MINIMUM TRENCH WIDTH (12.6.6.1): ÚQÚÒÁmÁFGÄKAÖÆÉÁFÍÄ PIPE > 12": 1.5D + 12"
- 1a MINIMUM EMBANKMENT WIDTH (IN FEET) FOR INITIAL FILL ENVEI PIPE < 24": 3.0D PIPE 24" - 144": D + 4'0" PIPE > 144": D + 10'0"
- 2 THE FOUNDATION UNDER THE PIPE AND SIDE BACKFILL SHALL E
- BEDDING MATERIAL SHALL BE A RELATIVELY LOOSE MATERIAL 3 MINIMUM OF TWICE THE CORRUGATION DEPTH IN THICKNESS, V DEPTH (26.3.8.1, 26.5.3).
- 4 CORRUGATED STEEL PIPE (CSP / HEL-COR), DIAMETERS 18" 72'
- 5 HAUNCH ZONE MATERIAL SHALL BE HAND SHOVELED OR SHOVE
- 5a INITIAL BACKFILL SHALL BE WELL GRADED CRUSHED ROCK UP T
- 5b BACKFILL PLACED ABOVE THE SPRINGLINE TO MEET AASHTO A-90% STANDARD PROCTOR (T 99). MAXIMUM PARTICLE SIZE NOT IT IS RECOMMENDED THAT LIFTS NOT EXCEED AN 8" UNCOMPAC 1/3 THE DIAMETER OR 24" AS THE MAXIMUM DIFFERENTIAL SIDE
- 6 SAND BACKFILL (AASHTO A-3 OR APPROVED EQUAL) TO BE PLAC INCLUDE ROAD BASE MATERIAL (AND RIGID PAVEMENT IF APPLIC
- 6a TOTAL HEIGHT OF COMPACTED COVER FOR CONVENTIONAL HIG FLEXIBLE PAVEMENT OR TOP OF RIGID PAVEMENT (12.6.6.3).
- 7 FINAL BACKFILL MATERIAL SELECTION AND COMPACTION REQU PER THE ENGINEER OF RECORD (26.5.4.1).

NOTES:

- GEOTEXTILE SHOULD BE CONSIDERED FOR USE TO PREVENT SHOULD BE CONSIDERED FOR USE FOR USE FOR TO PREVENT SHOULD FOR TO PREVENT SHOULD FOR TO PREVENT FOR TO PREVENT FOR TO PREVENT FOR TO PREVENT FOR FOR TO PREVENT FOR TO PREVENT FOR TO PREVENT
- FOR MULTIPLE BARREL INSTALLATIONS THE RECOMMENDED ST
- BUT NO LESS THAN 12", OR 36" FOR PIPE DIAMETERS 72" AND LA NONSTANDARD SPACING (TABLE C12.6.7-1). **TYPICAL** N

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IÌÄ∈Á{ÁJ€Ä∈ÁØQVVQeŐÁÜÒQeØUÜÔÒTÒÞV MAY BE REQUIRED BASED ON HEIGHT OF COVER AND LIVE LOAD CONDITION

TYPICAL MANWAY DETAIL

NOT TO SCALE







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	KXX	DIAMETER	MIN. COVER	CORR. PROFILE
		6"-10"	12"	1 1/2" x 1/4"
		12"-48"	12"	2 2/3" x 1/2"
		54"-72"	12"	3" x 1", 5" x 1"
RFD BRIDGE DESIGN (SI	EC 12) AN	D CONSTRUCTIC	ON (SEC 26)	
MPACTION OF HAUNCH I	MATERIAI	S UNDER THE P	IPE.	
_OPE (12.6.6.2):				
BE ADEQUATE TO SUPPO			,	
THAT IS ROUGHLY SHAP VITH THE MAXIMUM PAR			,	
"				
EL SLICED INTO PLACE T	TO ALLOW	/ FOR PROPER C	OMPACTION	l (26.5.4).
O SPRINGLINE OF PIPE.				
-1, A-2 OR A-3 CLASSIFIC TO EXCEED 3" (12.4.1.2). CTED LIFT HEIGHT TO PF -TO-SIDE (26.5.4).	. ALL LIFT	S PLACED IN A C	ONTROLLED	D MANNER.
	TO 12" AE	OVE PIPE. INITIA	L BACKFILL	ABOVE MAY
CABLE). GHWAY LOADS IS MEASI			ТО ВОТТОМ	OF
IREMENTS SHALL FOLLO	OW THE P	ROJECT PLANS	AND SPECIF	ICATIONS
OIL MIGRATION INTO VA ANDARD SPACING BETV	VEEN PAF	RALLEL PIPE RUN	IS SHALL BE	
RGER. CONTACT YOUR		n kepkesentat	IVEFUR	
OT TO SCALE				
ÞÁÙŸÙVÒT - 5	77163	3-010	PROJECT No.: 577163	SEQ. No.: DATE: 010 10/15/20
RE COMMONS			DESIGNED: LMO	DRAWN: PDW/SJ
ТХ			CHECKED:	APPROVED:
GROUND STO	RAGE		SHEET NO.: C2	of C5
				PS-4.2

- EMBANKMENT CONDITION -