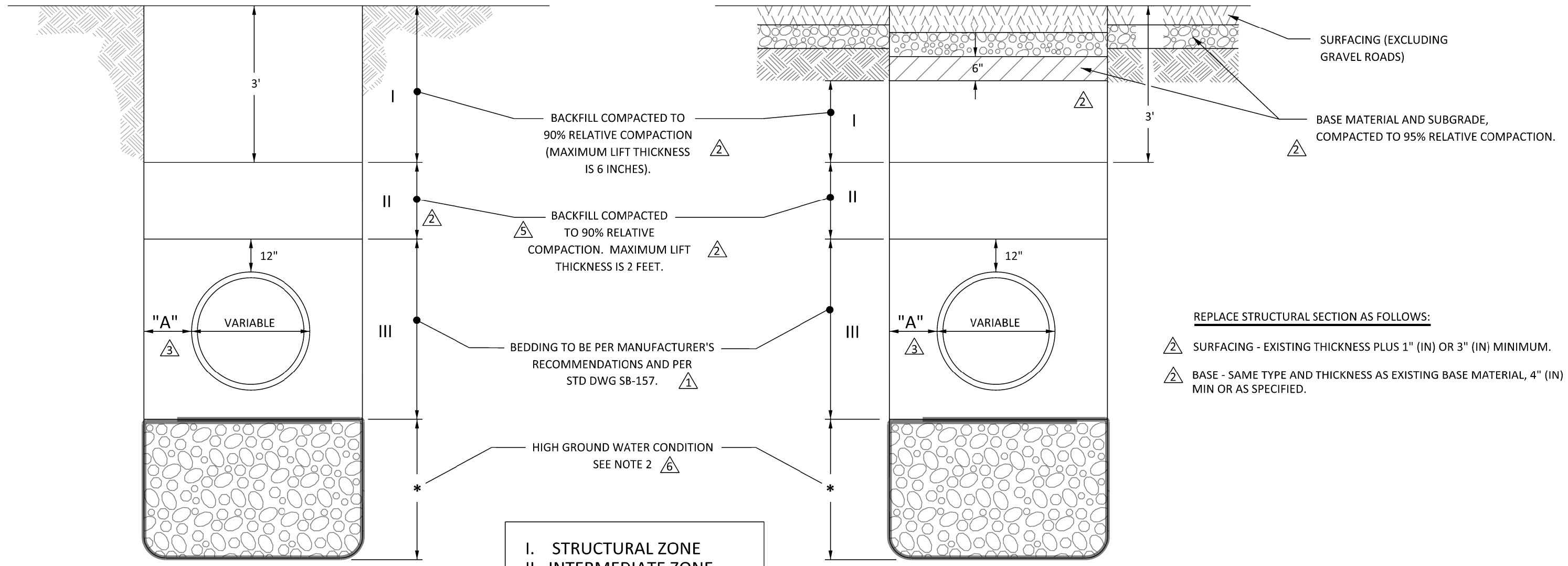


**UNSURFACED MEDIANS,
ROADSIDE STRIPS, OR EASEMENTS**

**UNSURFACED ROADWAYS,
SURFACED STREETS OR SURFACED EASEMENTS**



CLEARANCE "A"

1. CLAY PIPE: SEE STD. DWG. SB-159

2. PLASTIC PIPE: PIPE SIZES THROUGH 12"- "A"=6"-9"
PIPE SIZES OVER 12"- "A"=1'-0" MIN.

I. STRUCTURAL ZONE
II. INTERMEDIATE ZONE
III. PIPE AND UTILITY ZONE

REPLACE STRUCTURAL SECTION AS FOLLOWS:

△2 SURFACING - EXISTING THICKNESS PLUS 1" (IN) OR 3" (IN) MINIMUM.

△2 BASE - SAME TYPE AND THICKNESS AS EXISTING BASE MATERIAL, 4" (IN) MIN OR AS SPECIFIED.

NOTE:

1. WHEN A FIRM FOUNDATION IS NOT ENCOUNTERED, DUE TO SOFT, SPONGY, OR OTHER UNSUITABLE MATERIAL, SUCH MATERIAL SHALL BE REMOVED TO THE LIMITS DIRECTED BY THE ENGINEER, AND THE RESULTING EXCAVATION BACK FILLED WITH PIPE BEDDING MATERIAL COMPACTED TO 90% RELATIVE COMPACTION.

* 2. WHEN HIGH GROUND WATER CONDITION EXISTS, OVER EXCAVATE AND INSTALL ADDITIONAL BEDDING WITH GEOFABRIC.

△6 OVER EXCAVATE MINIMUM OF 2- FEET, 2-INCH TO 3-INCH ROCK, 95% COMPACTED. GEOFABRIC WRAP WITH 12-INCH MINIMUM OVERLAP AT TOP PER SPECIFICATIONS.

REVISIONS						APPROVALS			EASTERN MUNICIPAL WATER DISTRICT STANDARD DRAWING	
NO.	DATE	INITIAL	DESCRIPTION	APP'D	DATE		INITIAL	DATE		
△6	9/25/20	GS	UPDATED TITLE BLOCK, FONT, LOGO, ADDED NOTE 2 AND BEDDING	AGA	9/25/20	DESIGN				
△5	10/15/03	CM	REVISED COMPACTION REQUIREMENT	VJB	10/15/03	CONSTRUCTION				
△4	2/19/97	KER	REV'D TO INCLUDE ALL PREVIOUS REVISIONS	VJB	7/28/97	INSPECTION				
△3	7/11/95	KER	REV'D TO COMPLY W/CURRENT GREEN BOOK	VJB	7/13/95	OPERATIONS				
△2	1/31/95	KER	ADDED PIPE TO TRENCH CLEARANCE REQ	VJB	2/3/95	SUBMITTED	VJB	3/1/93		
REFERENCES: SUPERCEDES SB-76				SCALE: NONE		RECOMMENDED <i>Joseph D. VanSickle</i> 3/5/93 DIRECTOR OF ENGINEERING DATE		APPROVED <i>William E. Plummer</i> 3/8/93 ASSISTANT GENERAL MANAGER DATE		SB-158
FILE I.D.: \kauai\eng\std dwgs\SB-158.dgn				DRAWN BY: KER						



TRENCH BACKFILL FOR SEWER PIPE