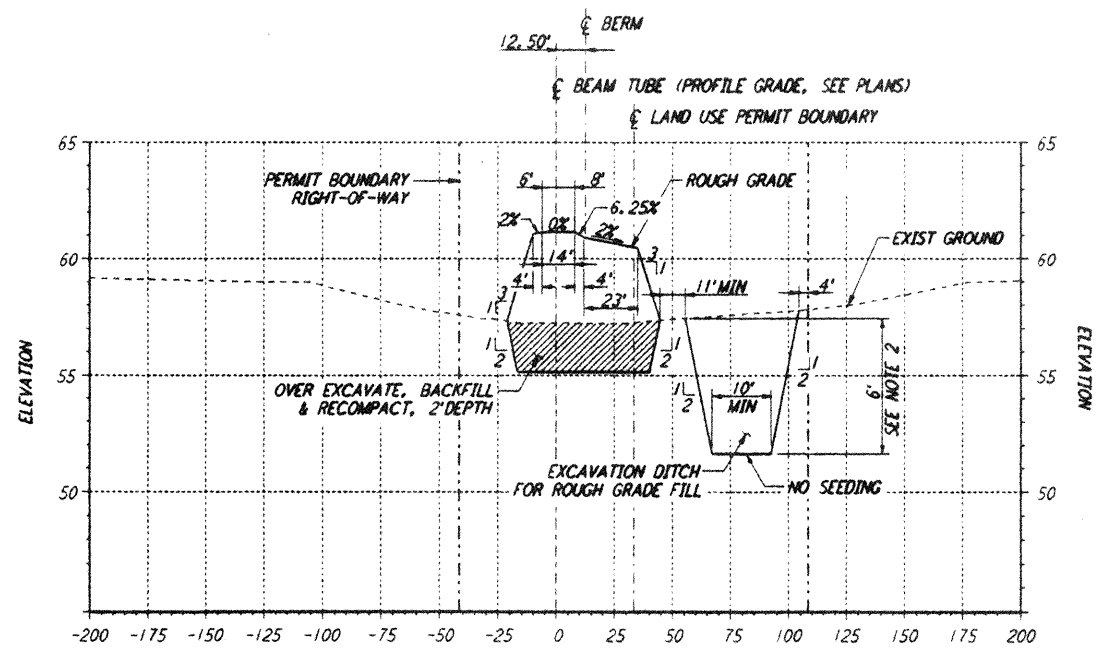
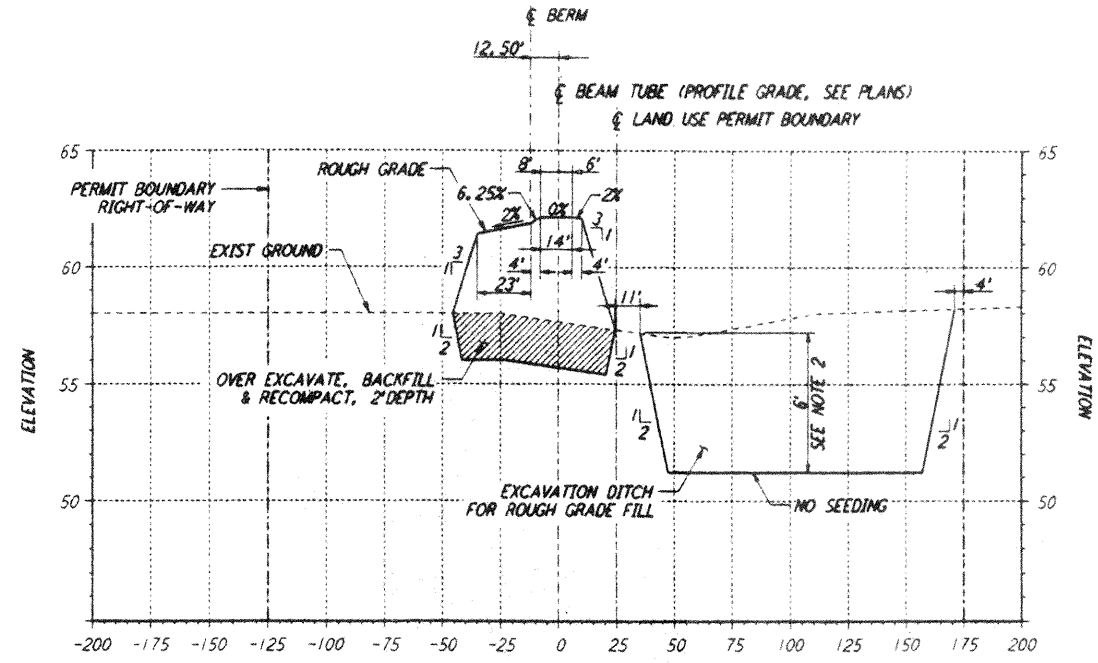


any other way, except by written consent from PARSONS. They are loaned only with the borrower's expressed written agreement that they will

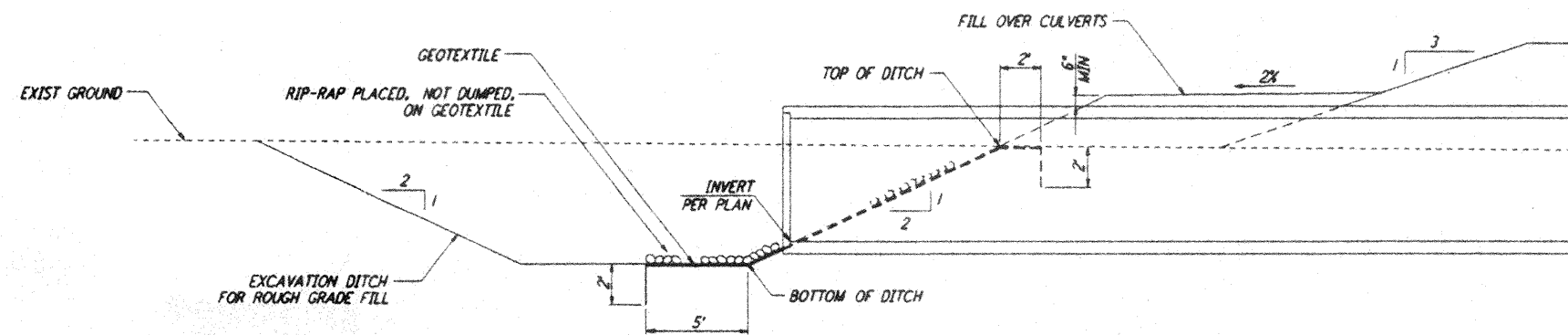


TYPICAL SECTION - SOUTHWEST ARM
NOT TO SCALE

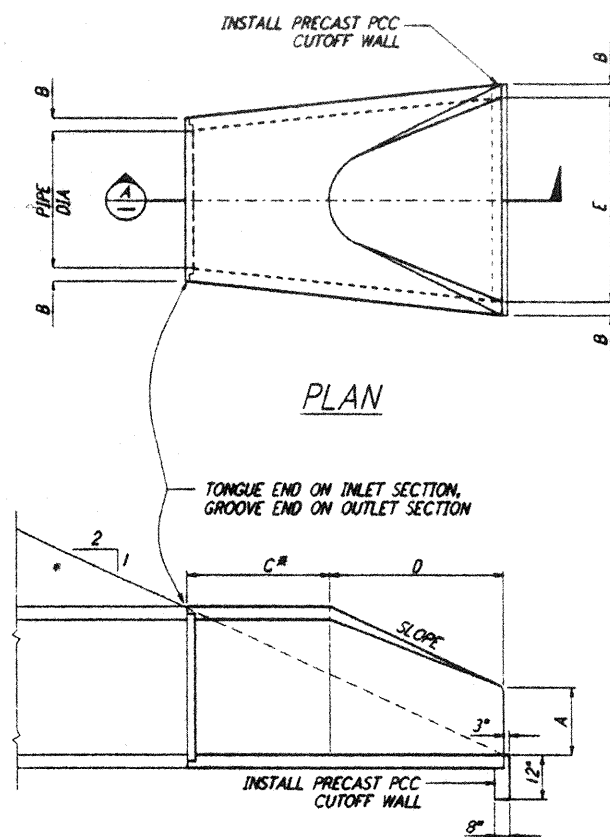


TYPICAL SECTION - SOUTHEAST ARM
NOT TO SCALE

- NOTES:**
- SEE SHEET RG-C-002 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
 - THE SIX FOOT EXCAVATION DEPTH IS A NOMINAL DIMENSION BASED ON GRADE ELEVATION AT TOP OF CUT ON THE BERM SIDE. NOTE THAT THE PLAN AND PROFILE DRAWINGS MAY SHOW LOCALIZED SMOOTHING OF THE BOTTOM OF EXCAVATION IN SEVERAL AREAS WHERE THIS SIX FOOT DIMENSION DOES NOT HOLD.

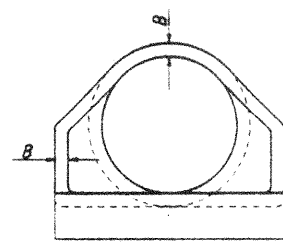


TYPICAL INLET SECTION - SOUTHWEST AND SOUTHEAST ARMS
NOT TO SCALE



SECTION A

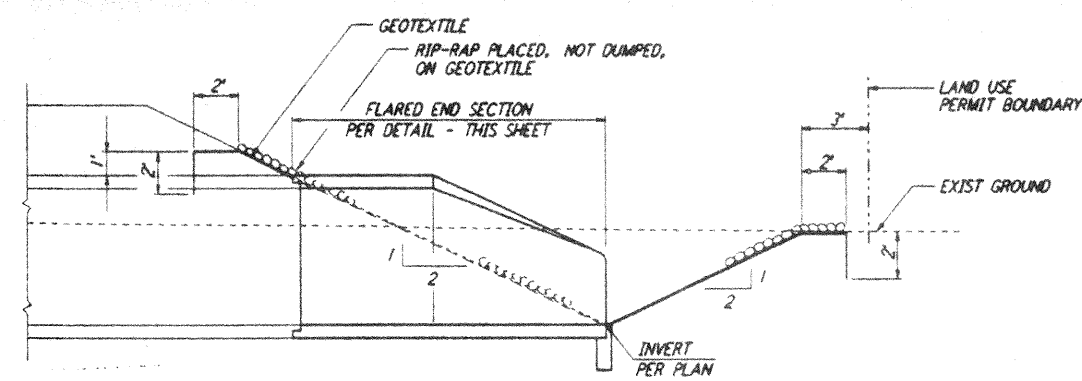
PRECAST CONCRETE FLARED END SECTION
NOT TO SCALE



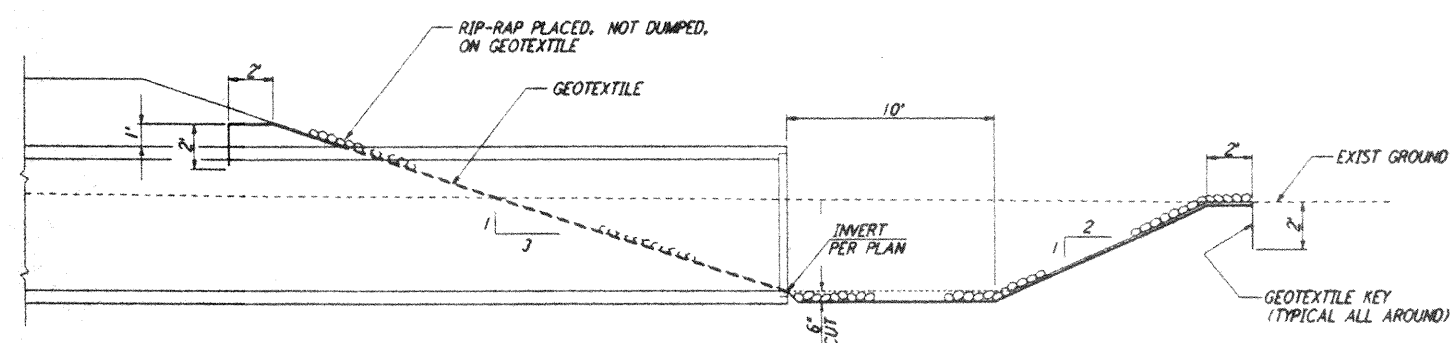
END VIEW

PIPE DIA	MINIMUM DIMENSIONS					SLOPE
	A	B	C	D	E	
36"	1'-3"	4"	5'-3"	6'-0"		2:1
60"	2'-6"	6"	6'-0"	8'-0"		
72"	3'-0"	7"	6'-0"	9'-0"		

*C DIMENSION SHALL BE AS DESIRED BY MANUFACTURER



TYPICAL OUTLET SECTION - SOUTHWEST ARM
NOT TO SCALE



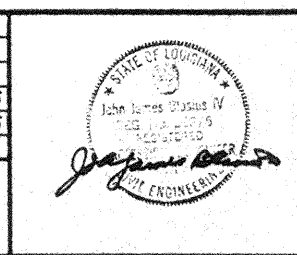
TYPICAL OUTLET SECTION - SOUTHEAST ARM
NOT TO SCALE

LIGO-0961714-01-0

NO.	DATE	APPROD BY	DESCRIPTION OF REVISION
1	11/1/95	Tom	NO REVISIONS

NO.	DATE	APPROD BY	ISSUED FOR
1	11/1/95	Tom	ISSUED FOR CONSTRUCTION
2	8/28/95	Tom	ISSUED FOR BID

DATE	BY
8/11/95	WRB
8/8/95	MCP
8/28/95	Tom
8/28/95	Tom



PARSONS
100 WEST WALNUT STREET
PASADENA, CALIFORNIA

LIGO
CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
GRAVITATIONAL-WAVE OBSERVATORY
ROUGH GRADING - LIVINGSTON, LA

TITLE	SHEET NUMBER	CONTRACT NUMBER	PROJECT NUMBER
ROUGH GRADING TYPICAL SECTIONS AND DETAILS	NONE	PP150969	8094

RG-C-004