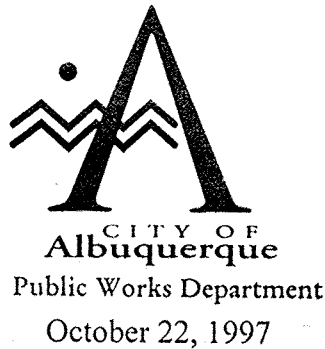




Martin J. Chávez, Mayor

Robert E. Gurulé, Director

Joe Kelley
Chavez-Grieves
5639 Jefferson NE
Albuquerque, NM 87109

**RE: PRAXAIR NITROGEN PLANT (B18-D5). GRADING PLAN FOR GRADING
PERMIT APPROVAL. ENGINEER'S STAMP DATED AUGUST 26, 1997.**

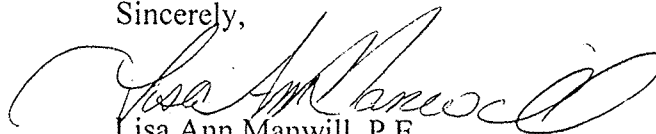
Dear Mr. Kelley:

Based on the information provided on your October 3, 1997 submittal, the above referenced project is approved for grading permit.

An Engineer's Certification will be required upon project completion.

If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely,



Lisa Ann Manwill, P.E.
Hydrology

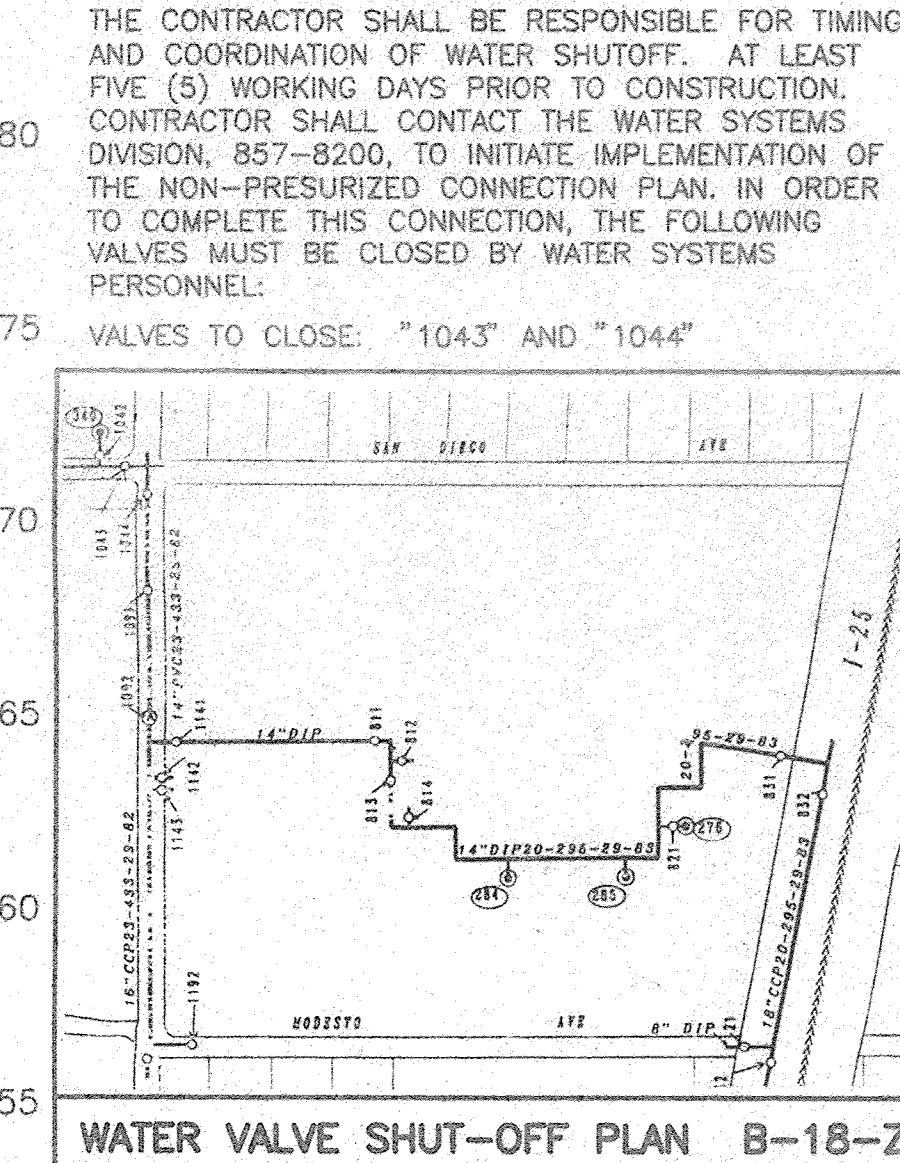
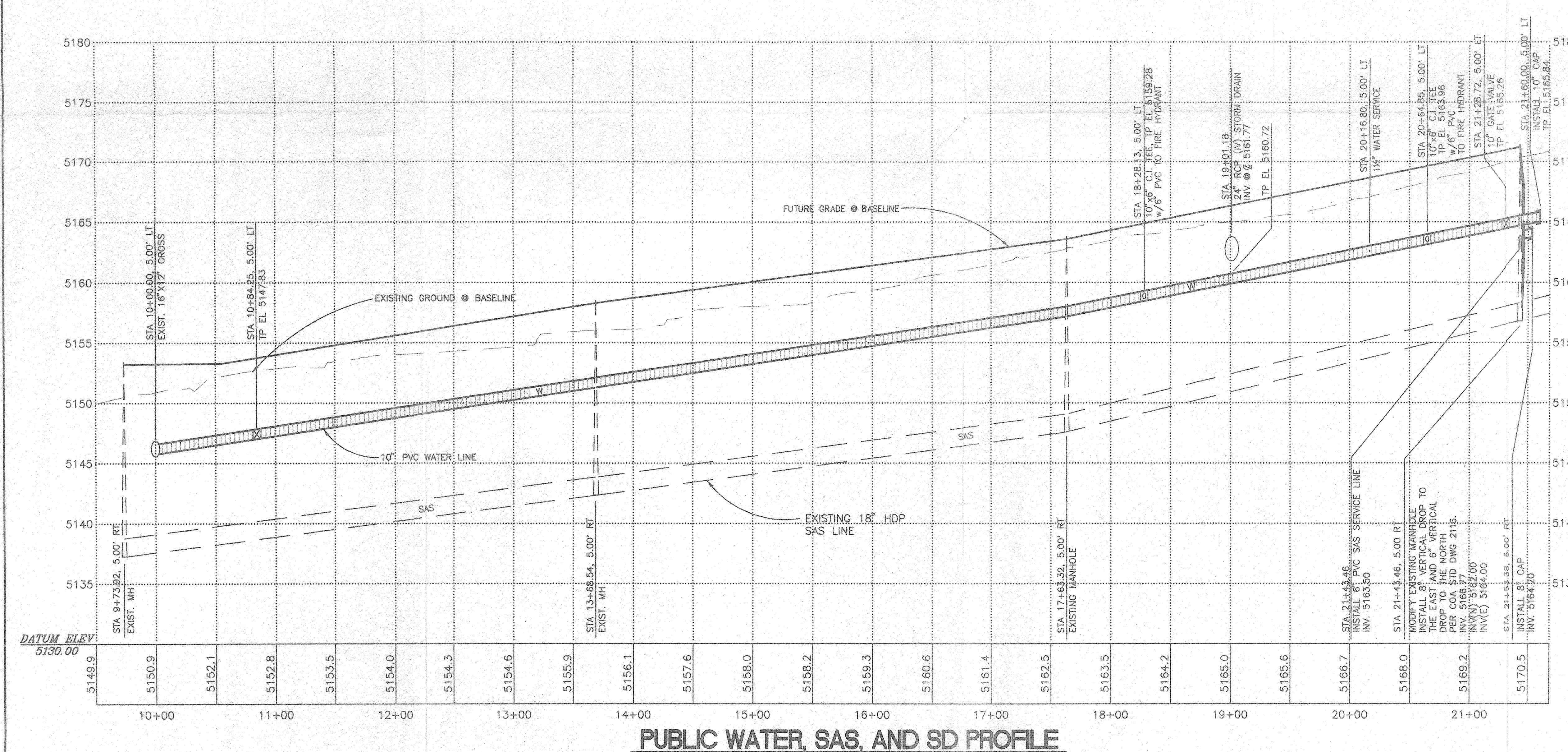
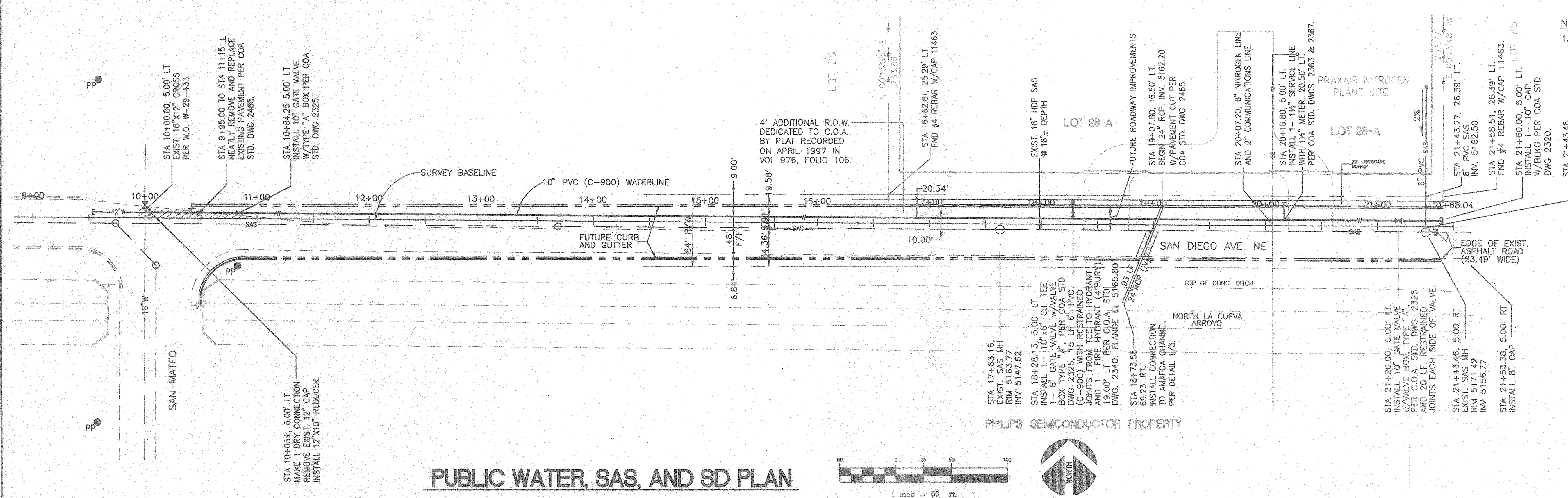
c: Andrew Garcia
File

Good for You, Albuquerque!

P.O. Box 1293, Albuquerque, New Mexico 87103



DATE: 05-28-97 (AM)
BY: J. P. KELLEY
FILE: INFO-UTDING (PLOT VIEW "PLOT" IN PS)



SCALE
HORIZONTAL 1" = 50'
VERTICAL 1" = 5'

CHAVEZ • GRIEVES
CONSULTING ENGINEERS, INC.
5838 JEFFERSON STREET, N.E. • ALBUQUERQUE, NEW MEXICO 87109
PHONE (505) 344-4080 • FAX (505) 343-8750

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **PRAXAIR NITROGEN PLANT
PUBLIC WATER, SAS, AND SD INFRASTRUCTURE**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

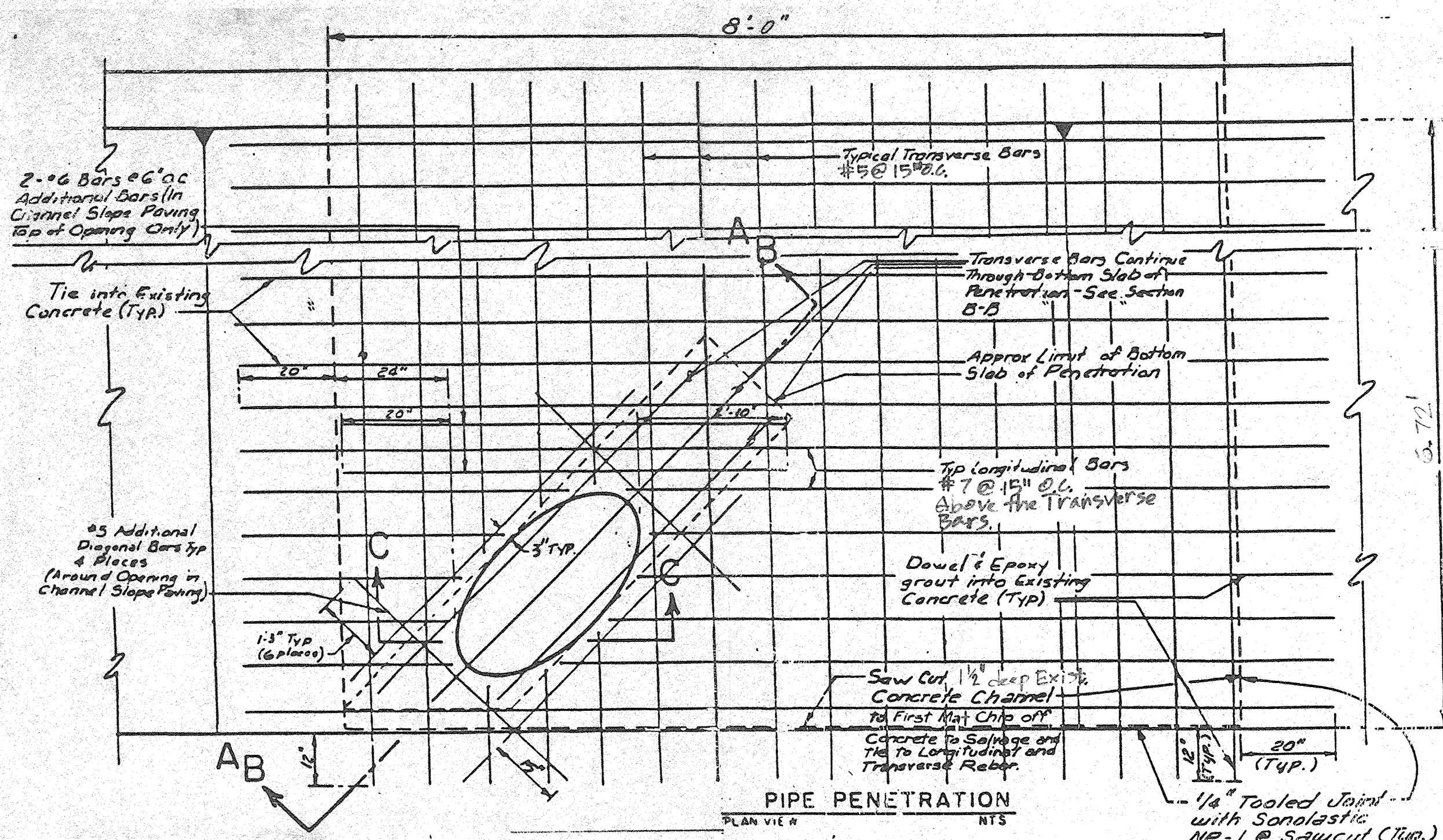
City Project No. **559881** Zone Map No. **B-18** Sheet **2** of **3**

NOTES
1. A LICENSE AGREEMENT WITH AMAFCA HAS BEEN OBTAINED FOR PENETRATING THE AMAFCA CHANNEL. ALL WORK IN THE AMAFCA R/W SHALL CONFORM WITH THAT AGREEMENT.

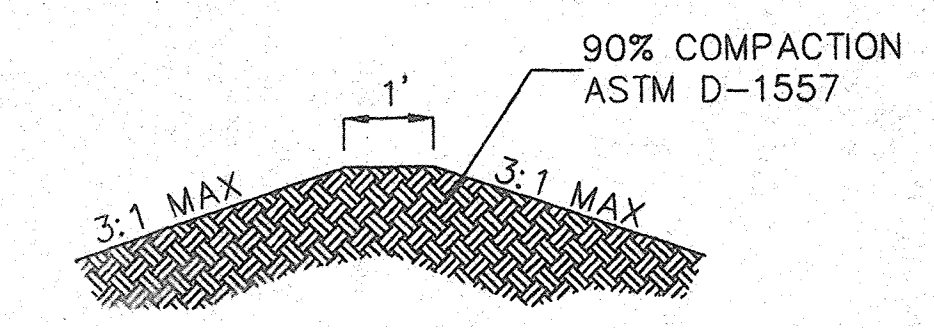
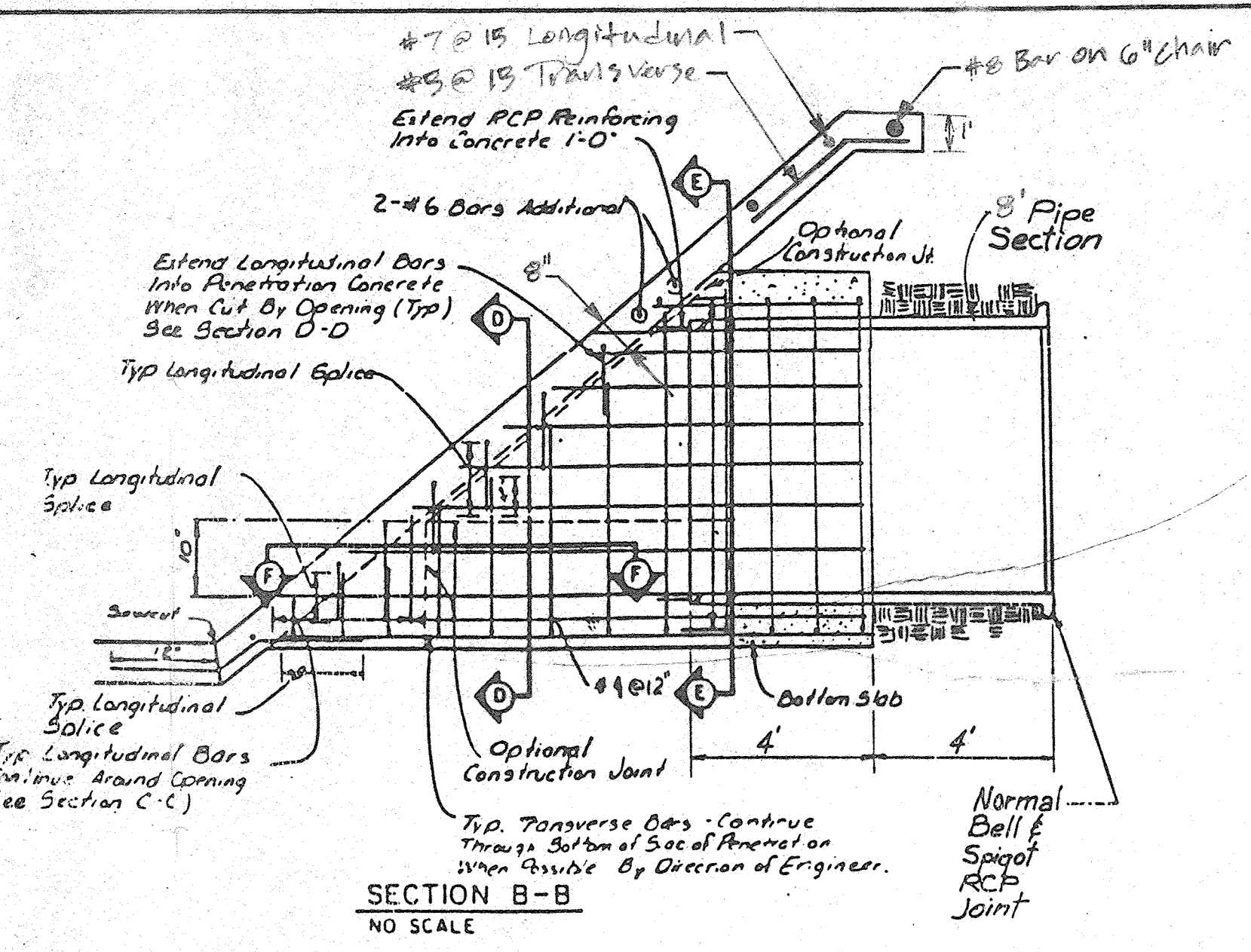
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	STANDARD	BRASS TABLET STAMPED	CONTRACTOR	DATE
		MMSC 125-11, 1969	ELEV. 5206.936 (SLD 1929)		
FIELD NOTES		DATE		DATE	
CLINT SHERRELL & ASSOCIATES		DATE		DATE	
NO. DATE		REVISIONS		DATE	
		DESIGN		8/97	
DESIGNED BY J. P. KELLEY		DRAWN BY W. M. TOWERS		DATE 8/97	
CHECKED BY V.J. CHAVEZ				DATE 8/97	

ENGINEER'S SEAL
JOE P. KELLEY
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
8/2/97

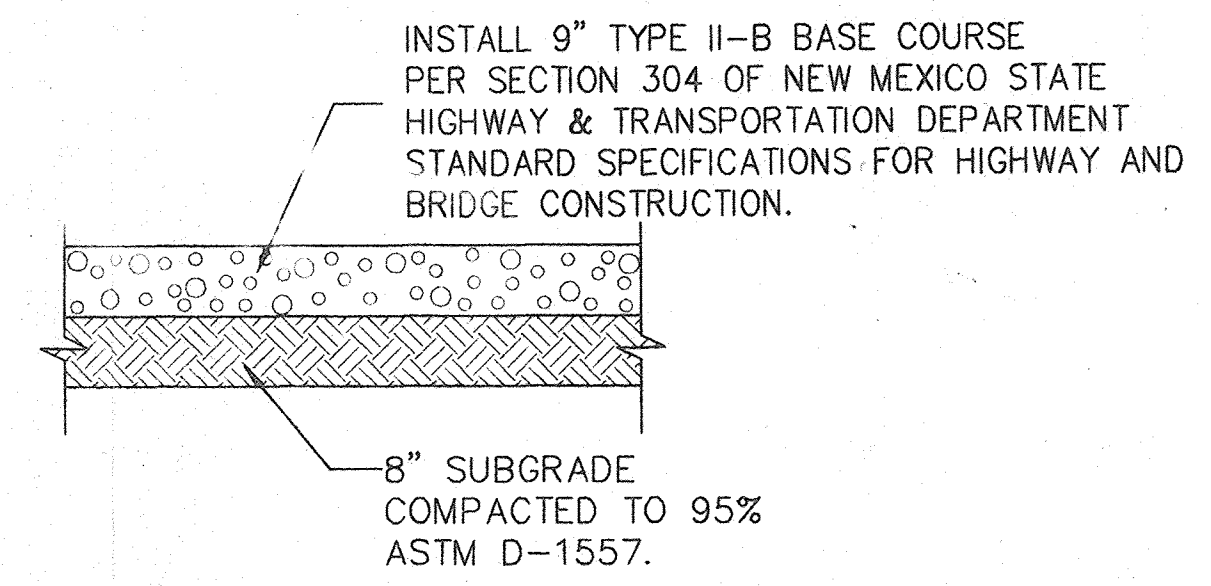
REMARKS
DESIGN
DATE 8/97
DRAWN BY W. M. TOWERS
CHECKED BY V.J. CHAVEZ
DATE 8/97



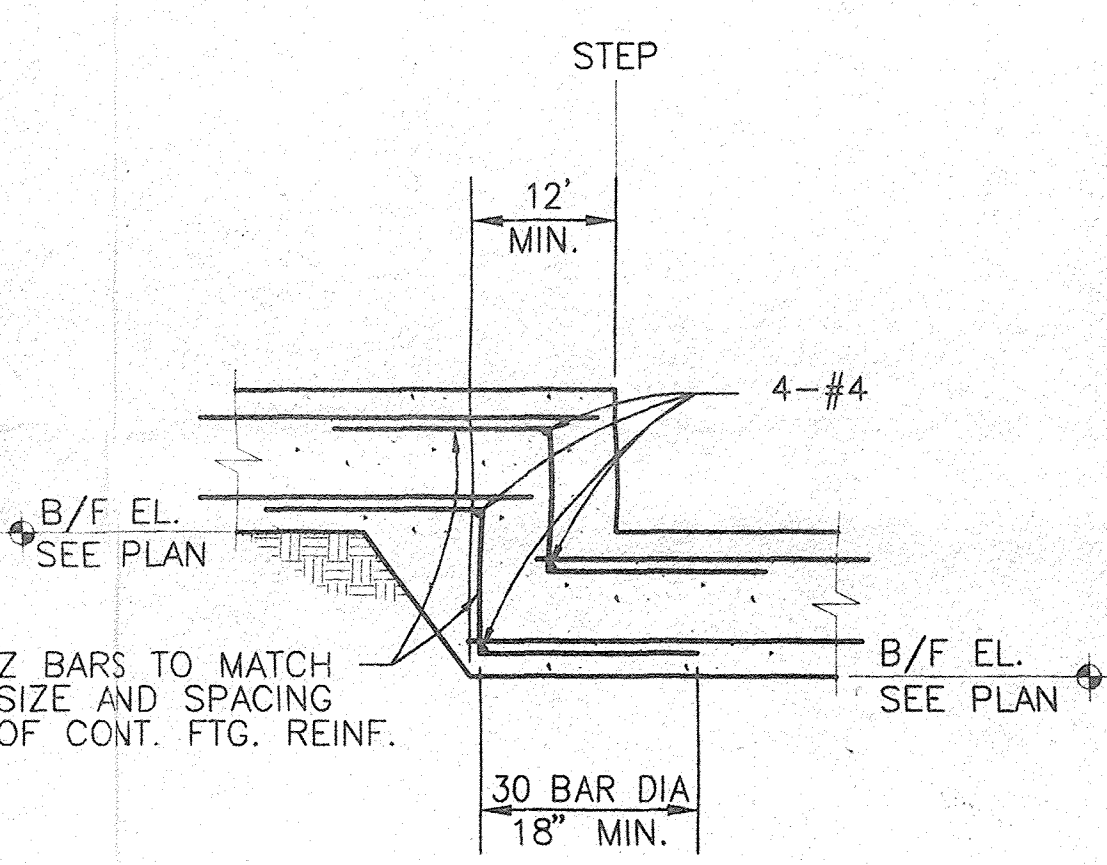
NOTE
ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 308-89.
NORMAL WEIGHT CONCRETE: 25% FOYASH BY WEIGHT
FC = 4000 PSI @ 28 DAYS (AIR ENTRAINED)
- ALL EXPOSED EXTERIOR CONCRETE.



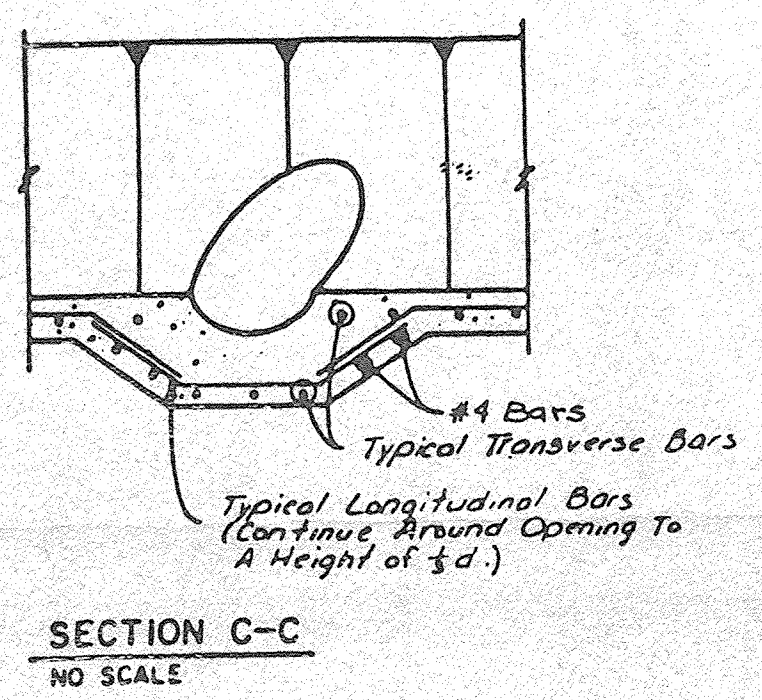
BERM CROSS-SECTION
N.T.S.



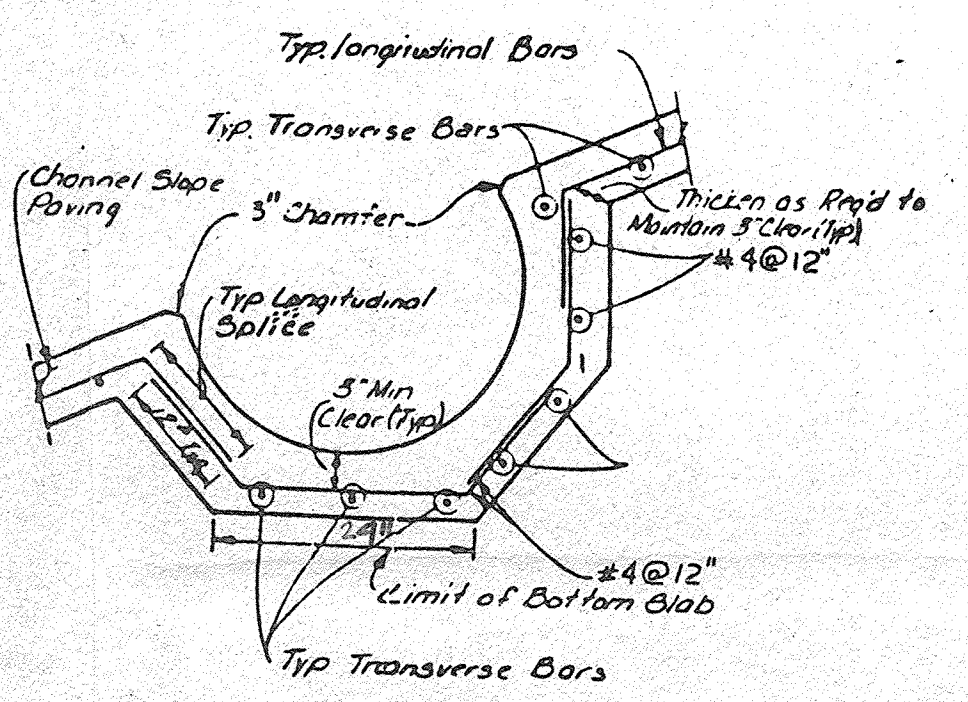
GRAVEL DETAIL
N.T.S.



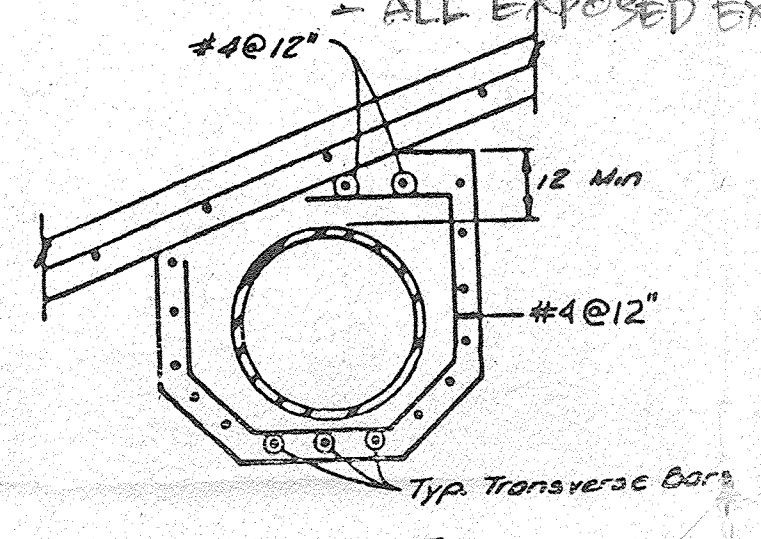
TYPICAL STEPPED FOOTING
N.T.S.



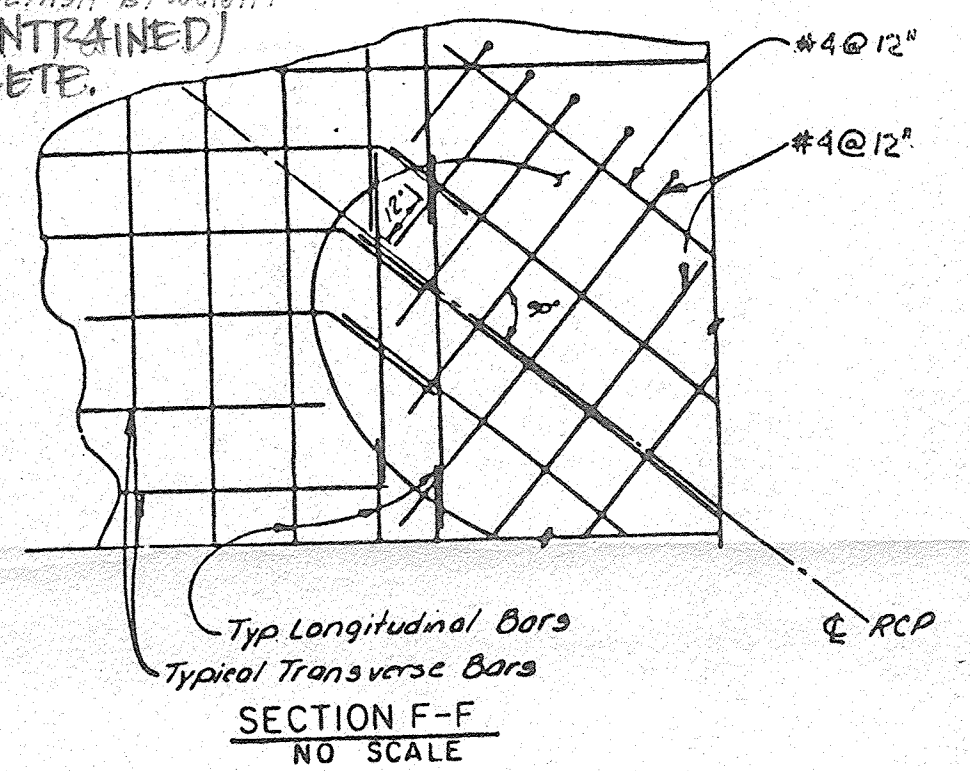
SECTION C-C
NO SCALE



SECTION D-D
NO SCALE



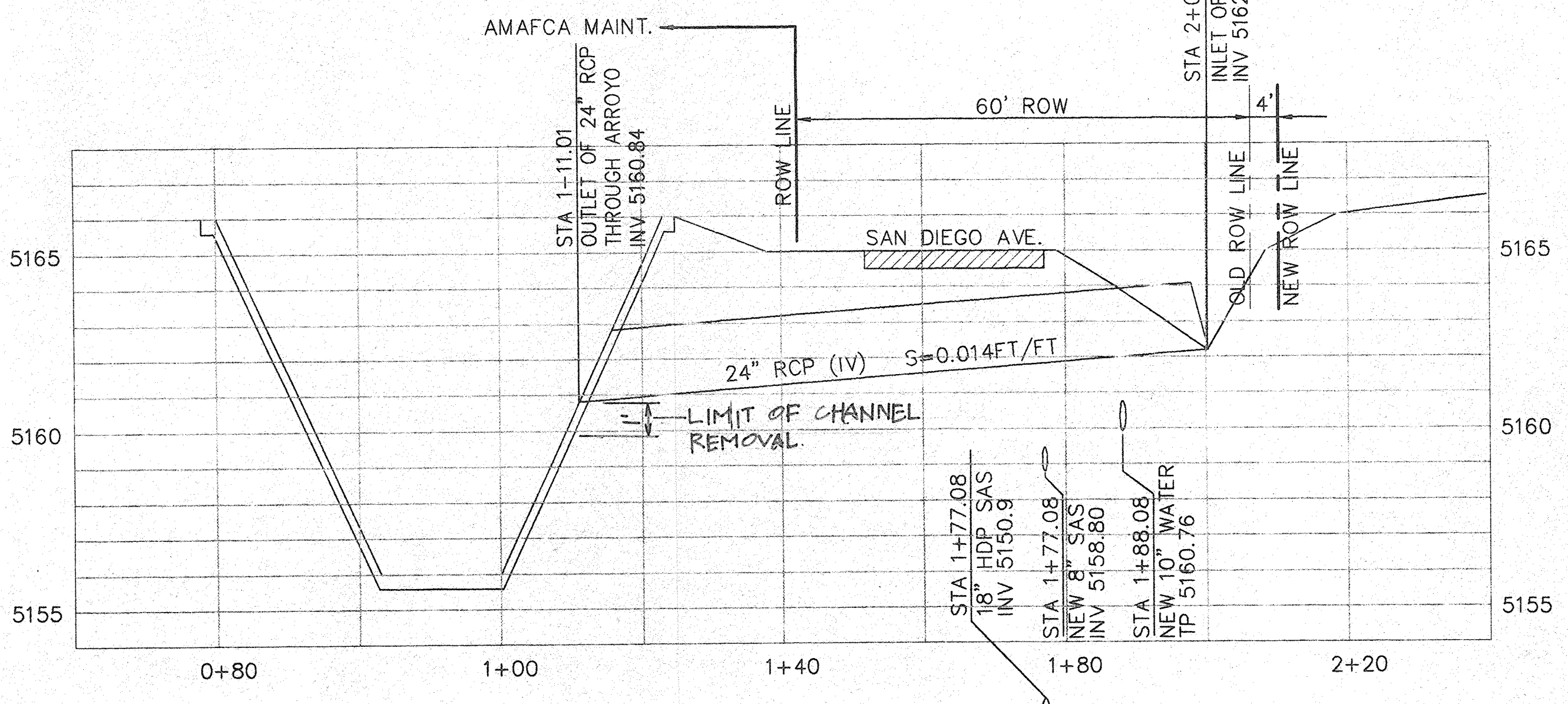
SECTION E-E
NO SCALE



SECTION F-F
NO SCALE

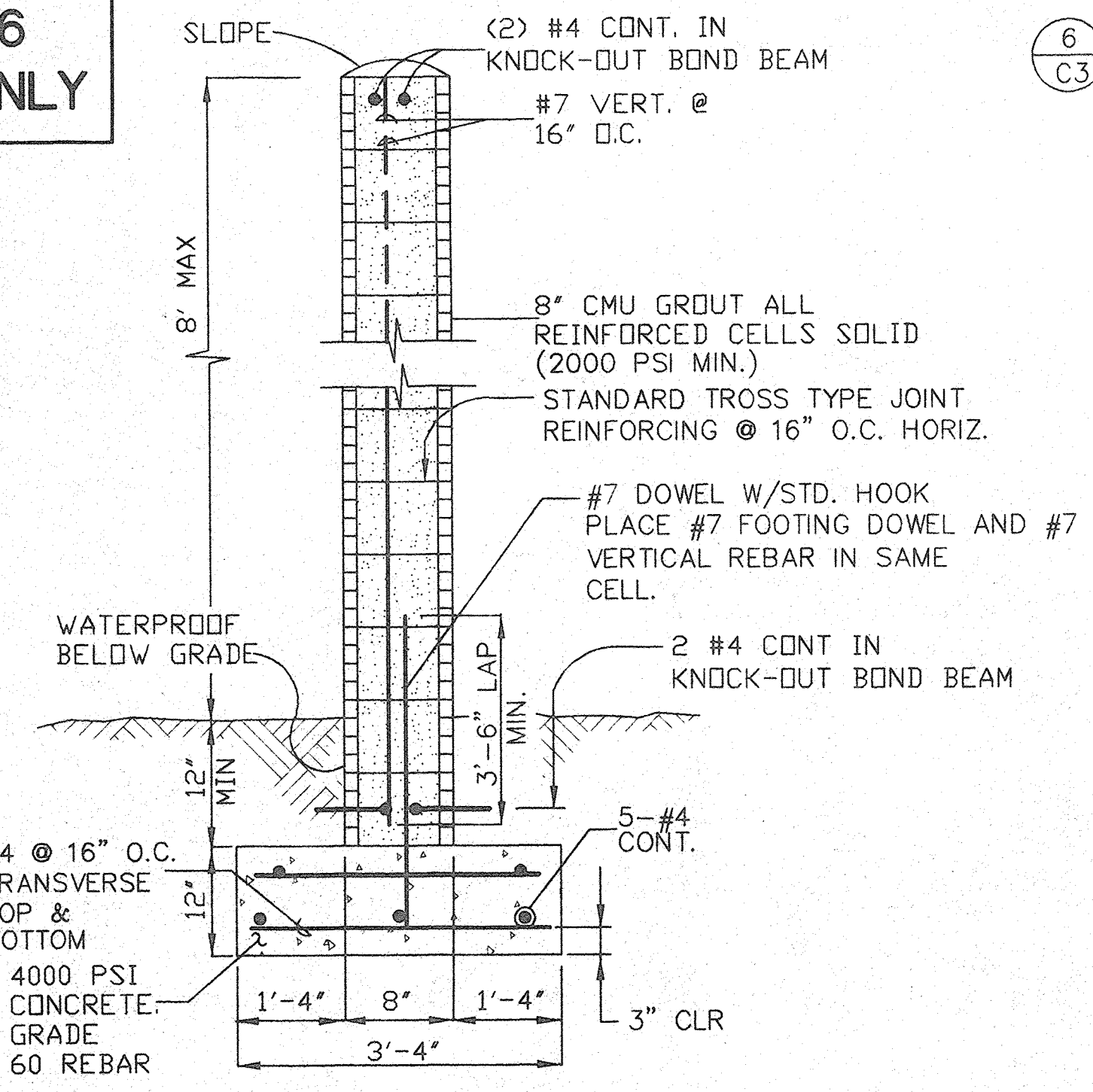
CHANNEL TIE-IN DETAIL
C3

NOTE:
AMAFCA (884-2215) TO INSPECT STEEL PRIOR TO POURING CONCRETE. CALL WITH 48 HOUR NOTICE.



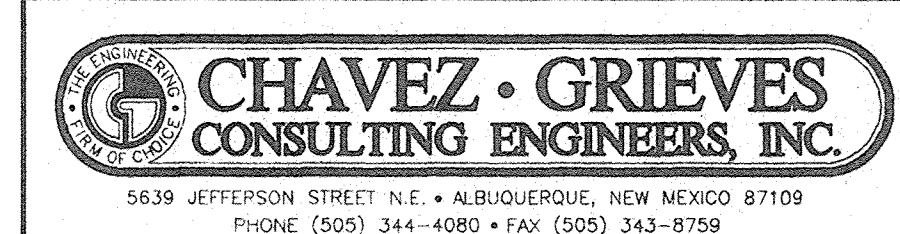
STORM DRAIN PROFILE
C3

DETAILS 2, 3, 5 AND 6 FOR INFORMATION ONLY



PERIMETER WALL
C3

CHANNEL CONNECTION ONLY
APPROVED BY
John Kelly
AMAFCA
DATE 9/29/97



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP

TITLE:
PRAXAIR NITROGEN PLANT STORM DRAIN DETAILS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 559881 Zone Map No. B-18 Sheet 3 of 3

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	DATE	INSPECTOR	DATE	STANDARD NMHC BRASS TABLE STAMPED	DATE	NO.	BY	NO.	BY	NO.	BY	NO.	BY	NO.	BY
				NMHC 125-11, 1969 ELEV. 5206.936 (SLD 1929)											
ACCEPTANCE BY	DATE	VERIFICATION BY	DATE												
REVISIONS	DATE	REVISIONS	DATE												
RECORDED BY	DATE	RECORDED BY	DATE												