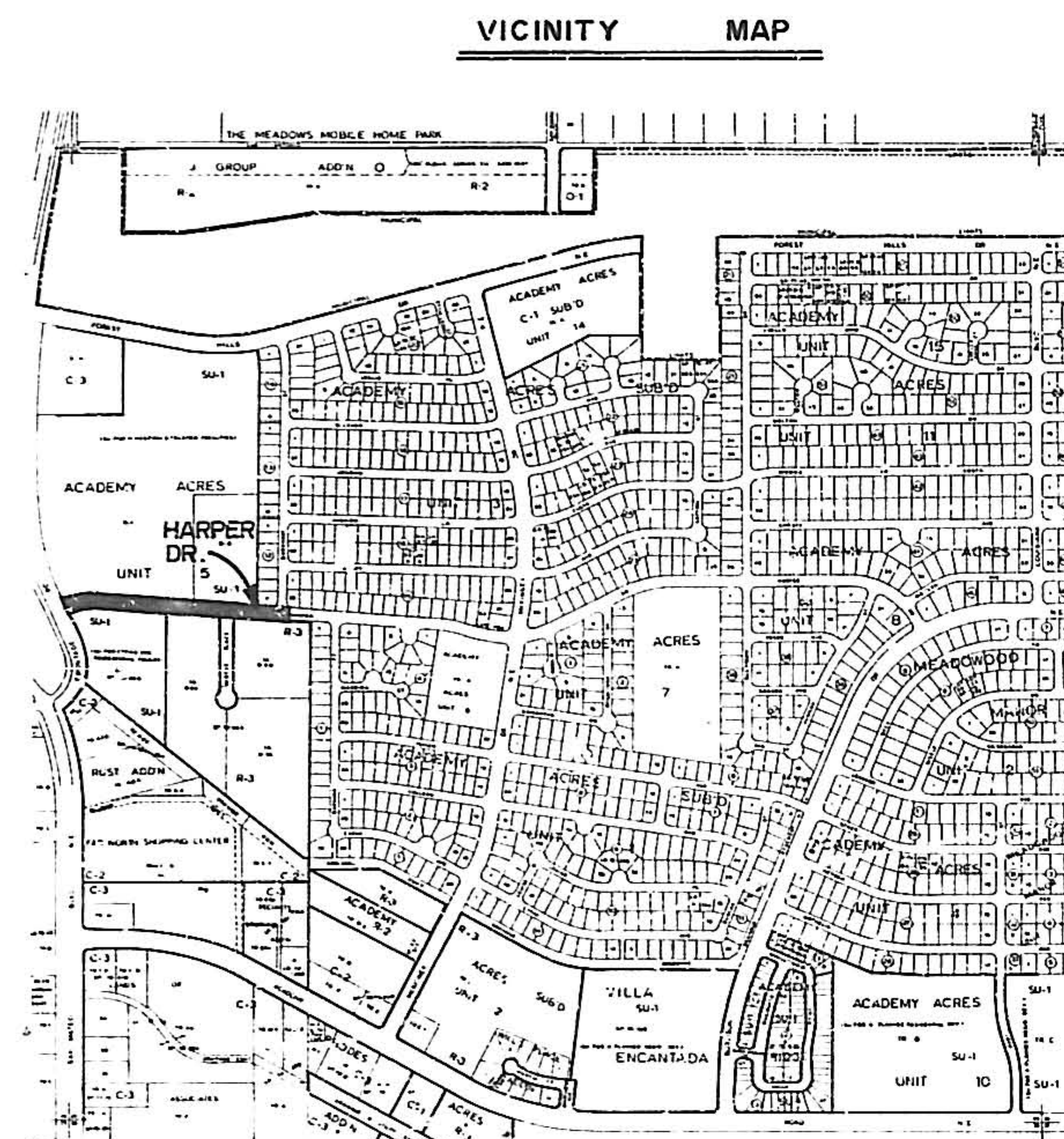


71-ES-C



TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.

NOTICE TO CONTRACTOR
PRIOR TO EXCAVATION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

INDEX TO SHEETS

1. INDEX TO SHEETS and VICINITY MAP
2. STREET and STORM DRAIN PLAN and PROFILE
3. WATER and SANITARY SEWER PLAN and PROFILE
4. DETAILS

HARPER DRIVE N.E.

1 2 3 4 5 6 7 8 9 10 11 12
20 21 22 23 24

PLANS PREPARED
UNDER THE DIRECTION
OF

APPROVED FOR
CONSTRUCTION

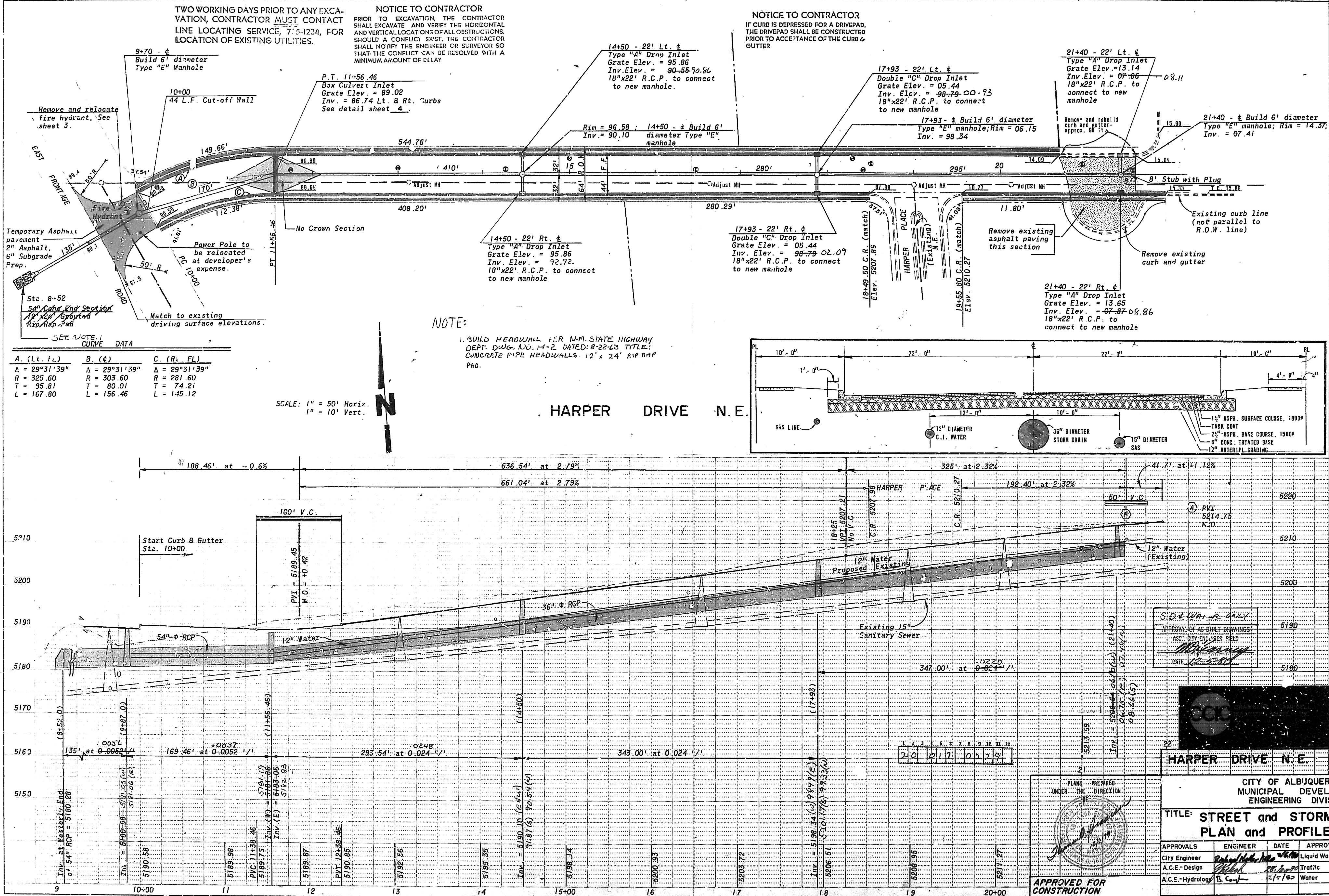
CITY ENGINEER DATE

C-29-17

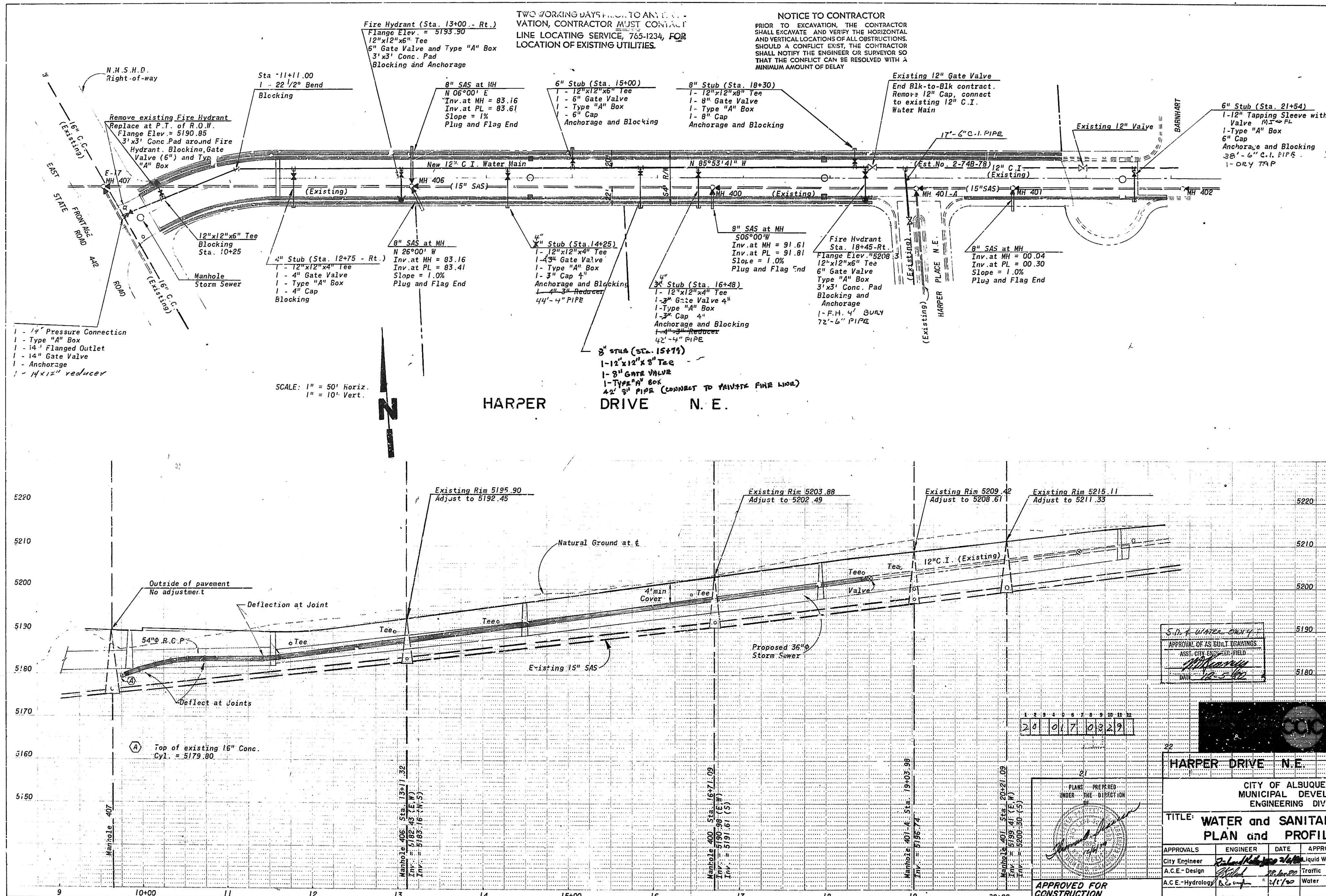
CCIC

JOB NO. 777-20
DATE OCTOBER 1979
SHEET 1 OF 4

C-52-15



AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				REFERENCES				REVISIONS				DESIGN			
CONTRACTOR	DATE	WORK BY	INSPECTED BY	CONTRACTOR	DATE	WORK BY	INSPECTED BY	CONTRACTOR	DATE	WORK BY	INSPECTED BY	CONTRACTOR	DATE	WORK BY	INSPECTED BY	CONTRACTOR	DATE	WORK BY	INSPECTED BY	CONTRACTOR	DATE	WORK BY	INSPECTED BY
BN-1	Manhole 407, State Road 442	Rim Elev. = 5196.23		BN-1	Manhole 407, State Road 442	Rim Elev. = 5196.23		BN-1	Manhole 407, State Road 442	Rim Elev. = 5196.23		BN-1	Manhole 407, State Road 442	Rim Elev. = 5196.23		BN-1	Manhole 407, State Road 442	Rim Elev. = 5196.23		BN-1	Manhole 407, State Road 442	Rim Elev. = 5196.23	
BN-2	Manhole 402, Intersection Harper Dr. and Barnhart	Rim Elev. = 5215.11		BN-2	Manhole 402, Intersection Harper Dr. and Barnhart	Rim Elev. = 5215.11		BN-2	Manhole 402, Intersection Harper Dr. and Barnhart	Rim Elev. = 5215.11		BN-2	Manhole 402, Intersection Harper Dr. and Barnhart	Rim Elev. = 5215.11		BN-2	Manhole 402, Intersection Harper Dr. and Barnhart	Rim Elev. = 5215.11		BN-2	Manhole 402, Intersection Harper Dr. and Barnhart	Rim Elev. = 5215.11	
MICRO-FILM INFORMATION				MICRO-FILM INFORMATION				MICRO-FILM INFORMATION				MICRO-FILM INFORMATION				MICRO-FILM INFORMATION				MICRO-FILM INFORMATION			
RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.
DESIGNED BY	F.A.	DATE	12-79	DESIGNED BY	F.A.	DATE	12-79	DESIGNED BY	F.A.	DATE	12-79	DESIGNED BY	F.A.	DATE	12-79	DESIGNED BY	F.A.	DATE	12-79	DESIGNED BY	F.A.	DATE	12-79
DRAWN BY	S.D.	DATE	12-79	DRAWN BY	S.D.	DATE	12-79	DRAWN BY	S.D.	DATE	12-79	DRAWN BY	S.D.	DATE	12-79	DRAWN BY	S.D.	DATE	12-79	DRAWN BY	S.D.	DATE	12-79
CHECKED BY	77	DATE	12-79	CHECKED BY	77	DATE	12-79	CHECKED BY	77	DATE	12-79	CHECKED BY	77	DATE	12-79	CHECKED BY	77	DATE	12-79	CHECKED BY	77	DATE	12-79



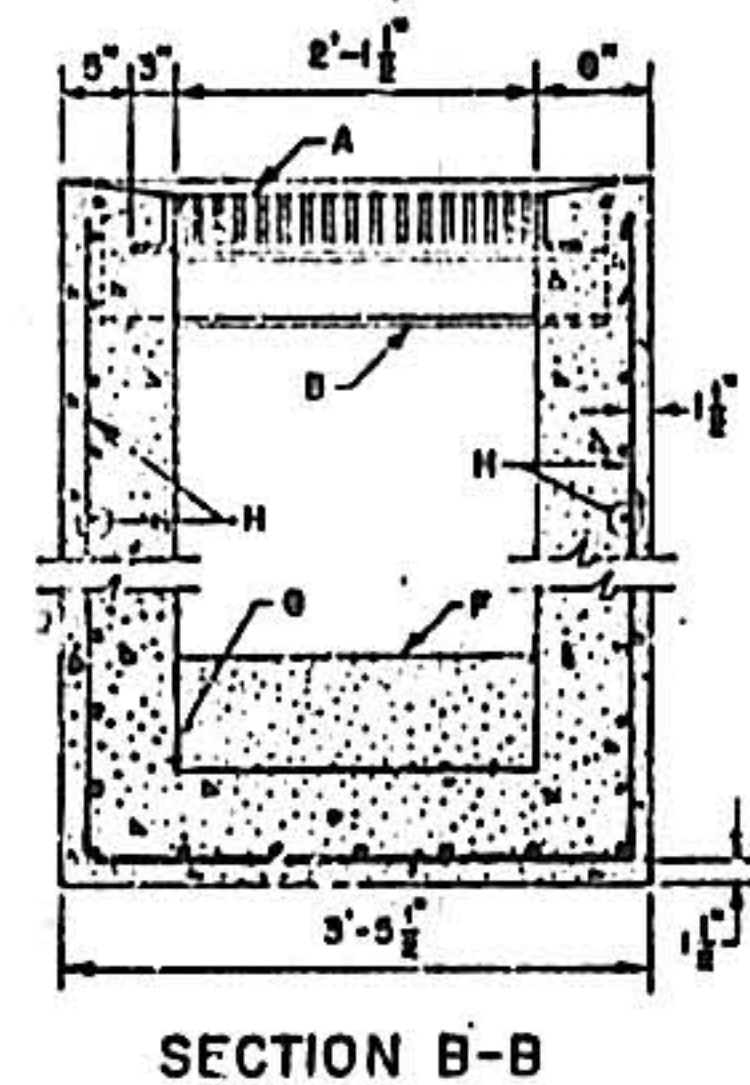
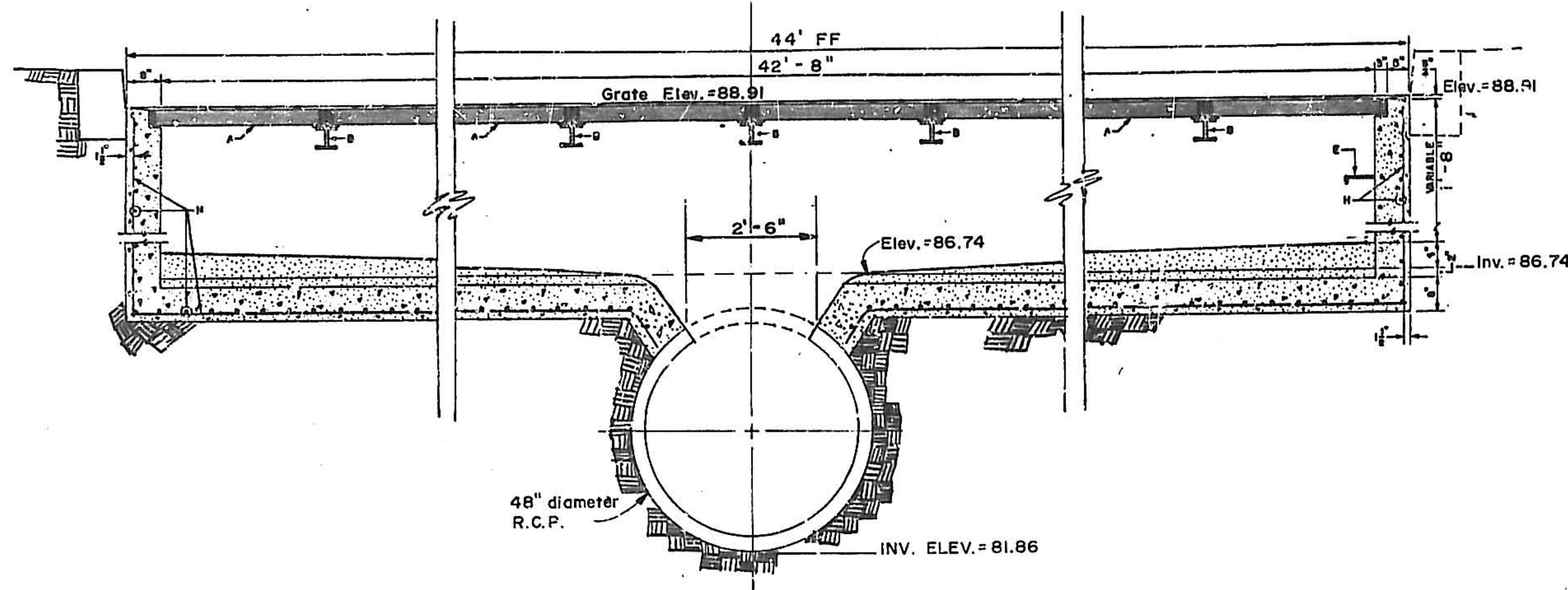
WATER AND SEWER									
APPROVALS				ENGINEER		DATE			
Liquid Waste				Richard S. Hill		3/5/72		P.C.	
N.A.				Richard S. Hill		3/5/72		P.C.	
A.C.E.-Design				Richard S. Hill		3/5/72		P.C.	
A.C.E.-Hydrology				Richard S. Hill		3/5/72		P.C.	
SHEET 3 OF 4									

REVISIONS			
NO.	DATE	REMARKS	BY
DESIGN			
1	12-7-71	DESIGN	FA
2	12-7-71	DESIGN	FA
3	12-7-71	DESIGN	FA

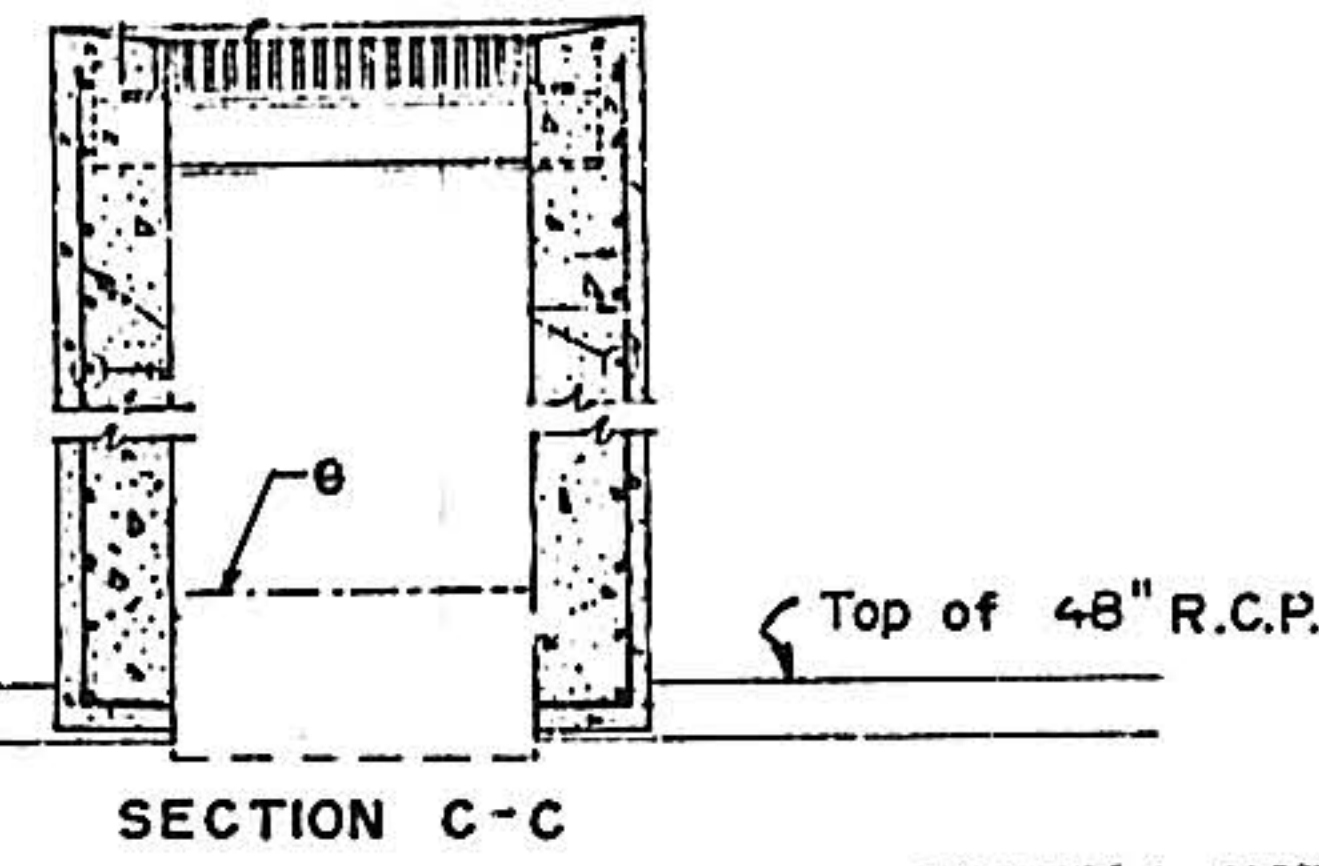
DESIGNED BY	DATE	CHECKED BY	DATE
FA	12-7-71	71	12-7-71

APPROVED FOR CONSTRUCTION	DATE
Richard S. Hill	3/5/72

SURVEY INFORMATION				BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES		DATE		CONTRACTOR		DATE	
NO.	BY	NO.	W.O. NO.	MAP NO. E-1B	EST. NO.	CONTRACTOR	DATE
						BM-1 Manhole 407, State Road 442	
						Rim Elev. = 6186.23	
						BM-2 Manhole 402, Intersection Harper Dr. & Barnhart, Rim Elev. = 5215.11	
						RECORDED BY	DATE
						NO.	



GENERAL NOTES:
1. FOR SINGLE GRATE TYPE INLET, MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
2. FRAME OF GRATING TO BE WELDED CONSTRUCTION.
3. AFTER CLEANING SURFACE OF SCALE, RUST ETC., GRATING FRAME AND CENTER SUPPORT TO BE PAINTED WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (A750C M69).
CONSTRUCTION NOTES:
A. SEE DWG. S-16 FOR FRAME AND GRATING DETAILS.
B. SEE DWG. S-17 FOR CENTER SUPPORT ASSEMBLY.
C. CUT ONE HORIZONTAL AND ONE VERTICAL BAR MAX. AT PIPE OR TIE.
D. SPACERS SEE DWG. S-18
E. USE STANDARD 1/4" STEPS, SEE DWG. S-9 FIRST STEP TO BE 18" FROM TOP OF GRATE AND SHALL PROTRUDE 7", SPACING BETWEEN STEPS 10 UP AT 12" O.C., LAST STEP 18" MAX. FROM BOTTOM.
F. CONC. FILL TO BE CLASS B-50, 3,000 LB.
G. INVERT.
H. NO. 4 BARS AT 6" O.C. EACH WAY.
GRATES WORKS IN PLACE EXCEPT 12" GRATE NORTH OF PIPE

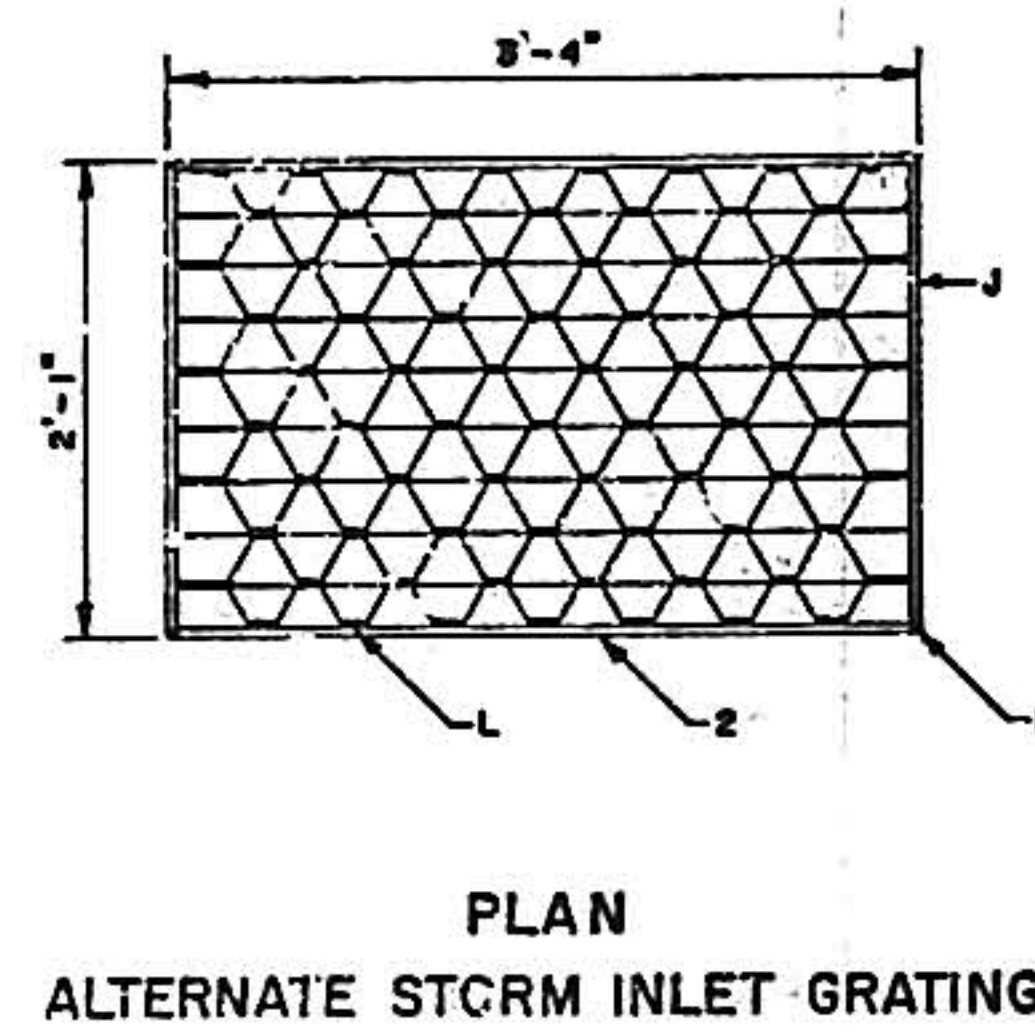


GENERAL NOTE:

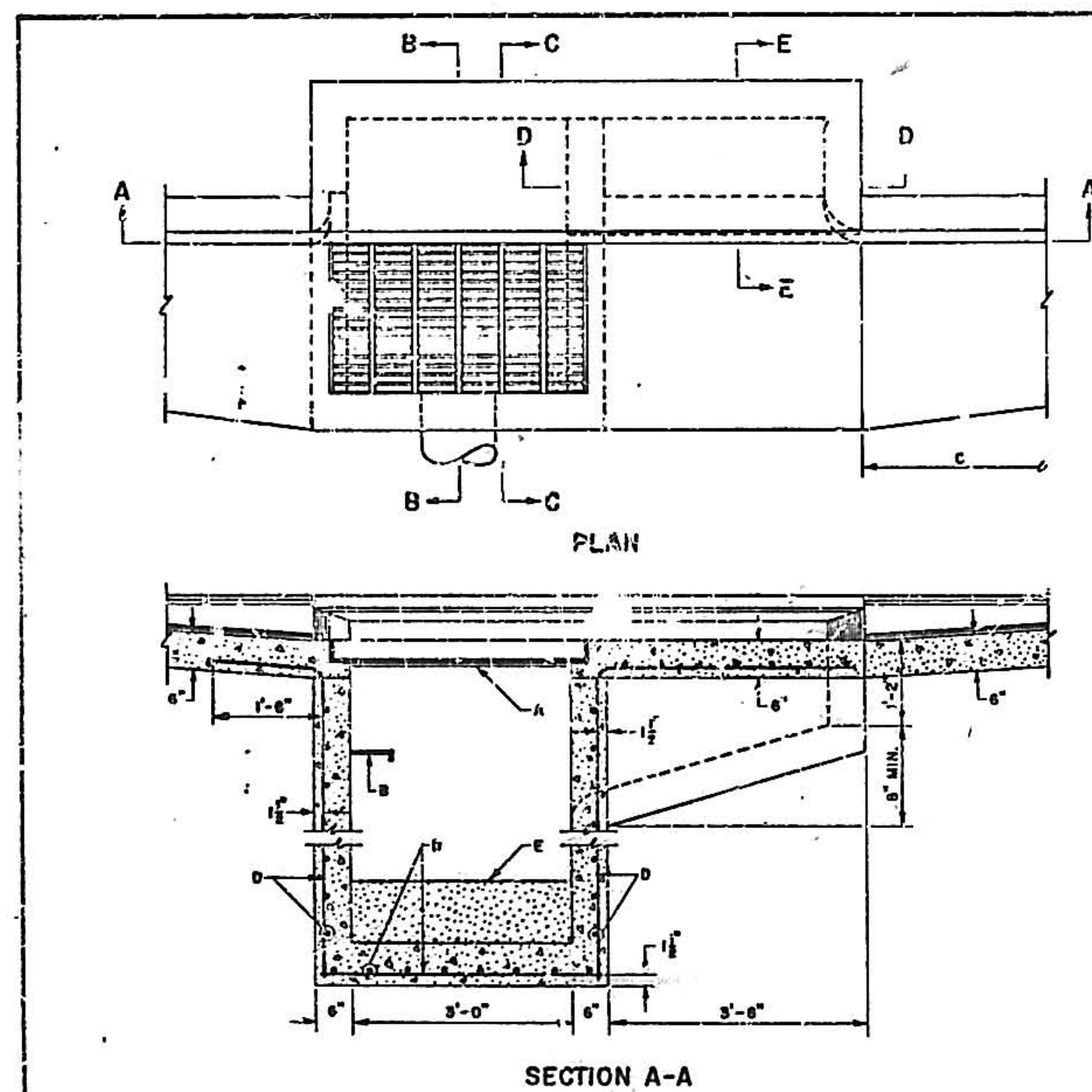
2. THE GRATING SHOWN IS SIMILAR TO IRVING TYPE HW BRIDGE DECKING OR E.C. OTHER TYPES OF GRATING MAY BE USED, PROVIDED THEY ARE APPROVED BY THE CITY ENGINEER. FOR PAINTING SEE NOTE 1. ABOVE.

CONSTRUCTION NOTES:

J. FRAME 3/4" x 1/2" STEEL
K. WELD FRAME AT EACH CORNER.
L. WELD GRATING TO FRAME AT EACH POINT OF CONTACT.

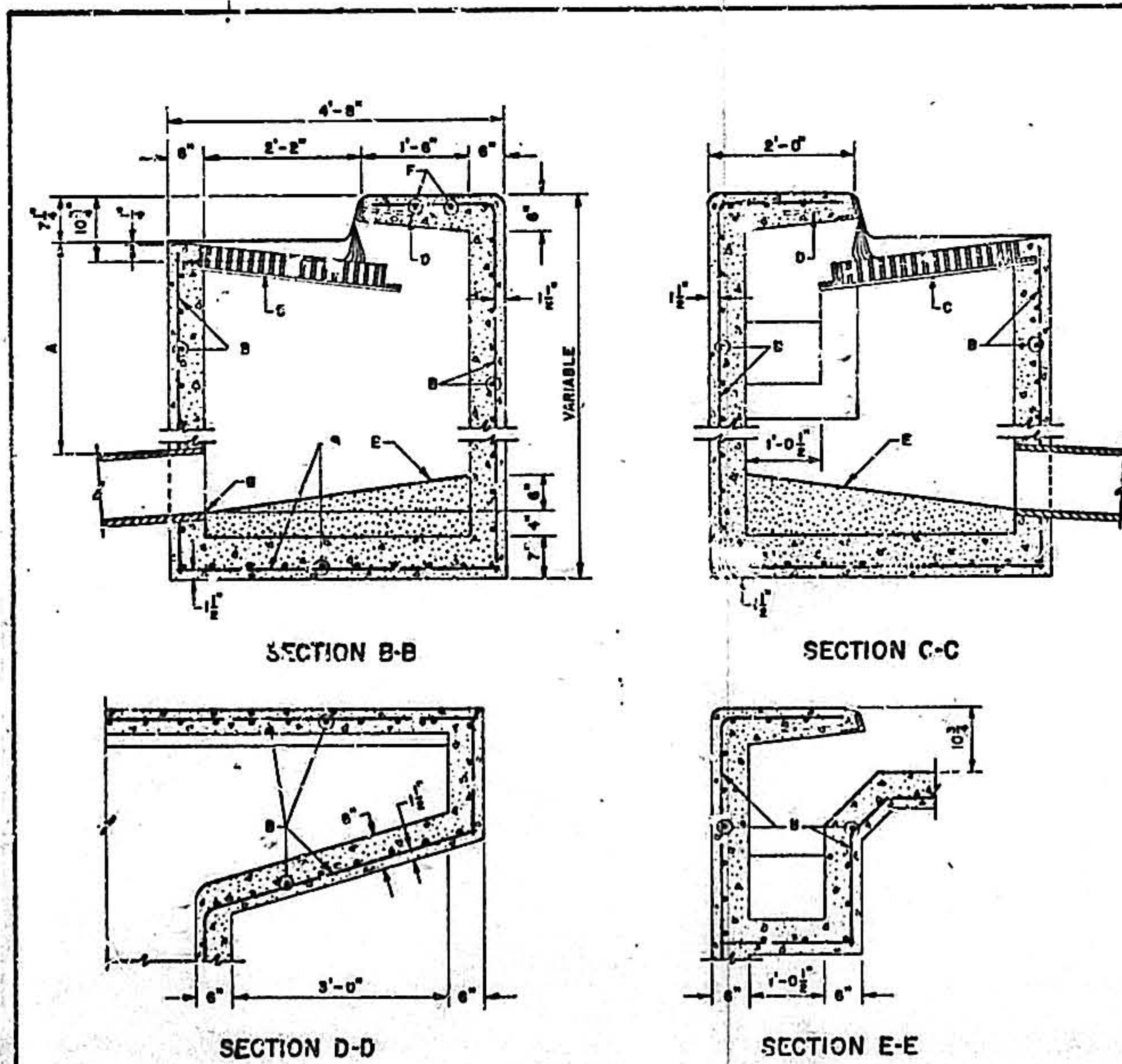


BOX CULVERT INLET



GENERAL NOTES:
1. FRAME OF GRATING TO BE WELDED CONSTRUCTION.
2. AFTER CLEANING SURFACE OF SCALE, RUST ETC., GRATING FRAME AND CENTER SUPPORT TO BE PAINTED WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (A750C M69).
CONSTRUCTION NOTES:
A. SEE DWG. S-16 FOR FRAME GRATING DETAILS.
B. USE STANDARD 1/4" STEPS, SEE DWG. S-9. FIRST STEP TO BE 18" FROM TOP OF GRATE AND SHALL PROTRUDE 7", SPACING BETWEEN STEPS TO BE 12" O.C., LAST STEP 18" MAX. FROM BOTTOM.
C. 2" x 4" ON 4" x 4" TRANSITION.
D. NO. 4 BARS AT 6" O.C. EACH WAY.
E. GROUT.

CITY OF ALBUQUERQUE
SEWER
DROP INLET TYPE "A"
PLAN & SECTION A-A
DWG. S-10



GENERAL NOTES:
1. FRAME OF GRATING TO BE WELDED CONSTRUCTION.
2. AFTER CLEANING SURFACE OF SCALE, RUST ETC., GRATING FRAME AND CENTER SUPPORT TO BE PAINTED WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (A750C M69).
CONSTRUCTION NOTES:
A. 1" - 10" MIN UNLESS OTHERWISE DIRECTED.
B. NO. 4 BARS AT 6" O.C. EACH WAY.
C. SEE DWG. S-16 FOR FRAME AND GRATING DETAILS.
D. SEE DWG. S-12 FOR ANCHOR DETAIL.
E. GROUT.
F. EXTEND NO. 4 BARS 18" INTO CURB ON EACH SIDE OF INLET.
G. INVERT.

CITY OF ALBUQUERQUE
SEWER
DROP INLET TYPE "A"
SECTIONS B-B, C-C, D-D & E-E
DWG. S-11

NOTICE TO CONTRACTOR
PRIOR TO EXCAVATION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT THE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.

NOTICE TO CONTRACTOR
IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB & CUTTER

1 2 3 4 5 6 7 8 9 10 11 12
20 01 7 09 29

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
DATE 12-5-80



HARPER DRIVE N.E.



APPROVED FOR CONSTRUCTION
DATE 3/5/80
CITY ENGINEER

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT ENGINEERING DIVISION				
TITLE: DETAILS				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
City Engineer	Robert Johnson	3/5/80	liquid Waste	Mark D. Johnson
A.C.E. - Design	Robert Johnson	3/5/80	Traffic	N.A.
A.C.E. - Hydrology	Robert Johnson	3/5/80	Water	Mark D. Johnson
DRAWING NO. C-29-17			SHEET 4 OF 4	