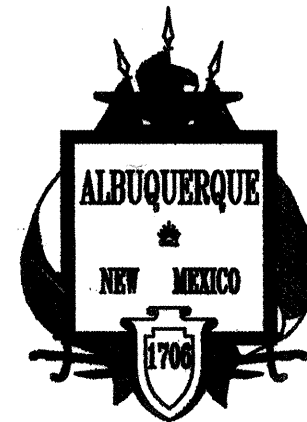




CITY OF ALBUQUERQUE
CONSTRUCTION PLANS
FOR
LAKEVIEW INTERCEPTOR RELIEF
SEWER LINE PROJECT
PROJECT NO. 4314.94
OCTOBER 1996
INDEX of SHEETS

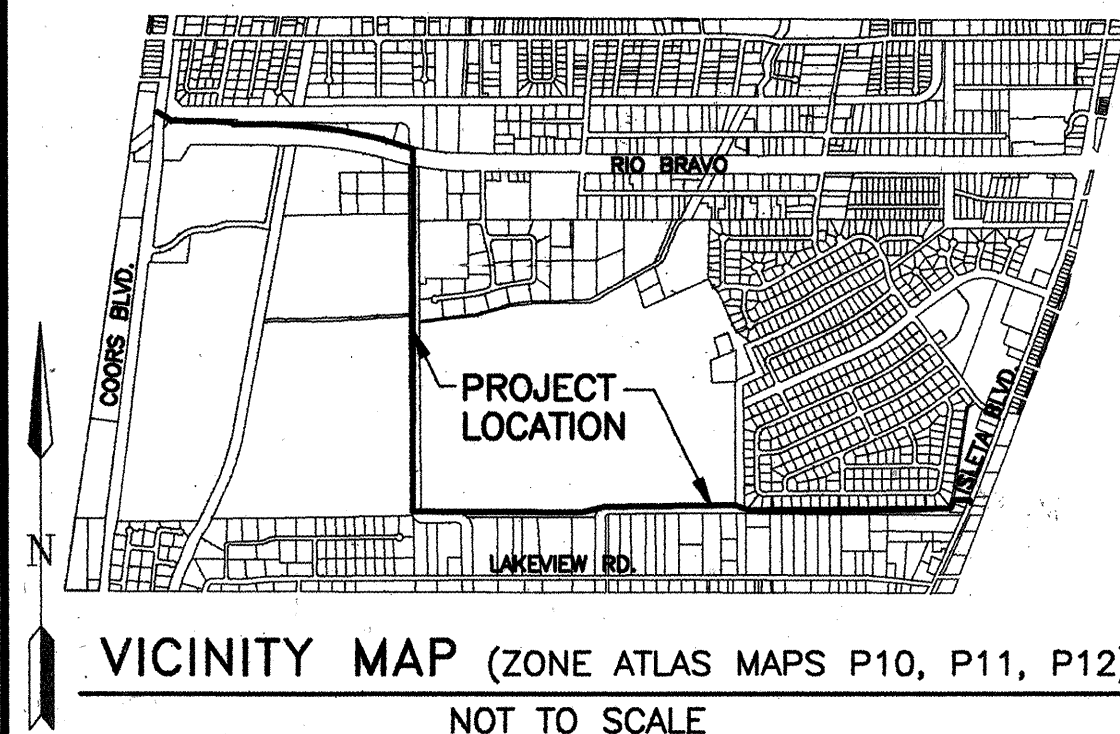
Sheet No.	Sheet Title
1	TITLE SHEET, VICINITY MAP & GENERAL NOTES
2	LAKEVIEW INTERCEPTOR RELIEF SEWERLINE SHEET LAYOUT PLAN AND LEGEND
3-3.1	LAKEVIEW INTERCEPTOR RELIEF LINE STA. 9+41.33 TO STA. 21+00.00
4	LAKEVIEW INTERCEPTOR RELIEF LINE STA. 21+00.00 TO STA. 33+00.00
5	LAKEVIEW INTERCEPTOR RELIEF LINE STA. 33+00.00 TO STA. 45+00.00
6	LAKEVIEW INTERCEPTOR RELIEF LINE STA. 45+00.00 TO STA. 57+00.00
7	LAKEVIEW INTERCEPTOR RELIEF LINE STA. 57+00.00 TO STA. 69+00.00
8	LAKEVIEW INTERCEPTOR RELIEF LINE STA. 69+00.00 TO STA. 81+50.00
9	LAKEVIEW INTERCEPTOR RELIEF LINE STA. 81+50.00 TO STA. 94+00.00
10	LAKEVIEW INTERCEPTOR RELIEF LINE STA. 94+00.00 TO STA. 106+50.00
11	LAKEVIEW INTERCEPTOR RELIEF LINE STA. 106+50.00 TO STA. 119+00.00
12	LAKEVIEW INTERCEPTOR RELIEF LINE STA. 119+00.00 TO STA. 131+50.00
13	LAKEVIEW INTERCEPTOR RELIEF LINE STA. 131+50 TO STA. 139+63.39
14 14.1	ISLETA BLVD. CROSSING ENLARGED PLAN
15 15.1	JUNCTION BOX "A" PLANS AND SECTIONS
16 16.1	JUNCTION BOX "B" PLANS AND SECTIONS
17	JUNCTION BOX "C" PLANS AND SECTIONS
18	ISLETA BLVD. 54"Ø SEWERLINE REHABILITATION
19	SOIL BORING LOGS
20	MISC. SECTIONS AND DETAILS
21	CONSTRUCTION PHASING & TRAFFIC CONTROL GENERAL NOTES
22	ISLETA BLVD. TRAFFIC CONTROL PLAN PHASE I
23	ISLETA BLVD. TRAFFIC CONTROL PLAN PHASE II; RIO BRAVO BLVD. TYPICAL TRAFFIC CONTROL
24	COORS BLVD.-RIO BRAVO INTERSECTION TRAFFIC CONTROL PLAN PHASE III
25	COORS BLVD.-RIO BRAVO INTERSECTION TRAFFIC CONTROL PLAN PHASE IV
26	COORS BLVD.-RIO BRAVO INTERSECTION TRAFFIC CONTROL PLAN PHASE V
27	ISLETA BLVD. TRAFFIC CONTROL PLAN PHASE VI
28	TRAFFIC CONTROL SIGN FACE DETAILS

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Eden Chang
DATE 7-18-99

Eden Chang 9/29/98
RECORD DRAWING
THIS IS A RECORD DRAWING OF THE FACILITIES IDENTIFIED IN THE TITLE BLOCK ONLY AND HAS BEEN PREPARED IN PART ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER/ARCHITECT AND OTHER (S) WILL NOT BE RESPONSIBLE FOR ANY ERROR (S) OR OMISSION (S) WHICH HAVE BEEN UNDISCOVERED BY THE ENGINEER/ARCHITECT. CONDITIONS WILL VARY SOMEWHAT FROM THE CONDITIONS SHOWN HEREON, AND AT SOME LOCATIONS THE VARIANCE MAY BE LARGE. IF THE PRECISE LOCATION OF ANY FACILITY IS REQUIRED, THE FACILITY SHOULD BE FIELD LOCATED IN THE PRESENCE OF AN EMPLOYEE OF THE DISTRICT OR THE OWNER (S) OF THE UTILITIES INVOLVED.

AS CONSTRUCTED

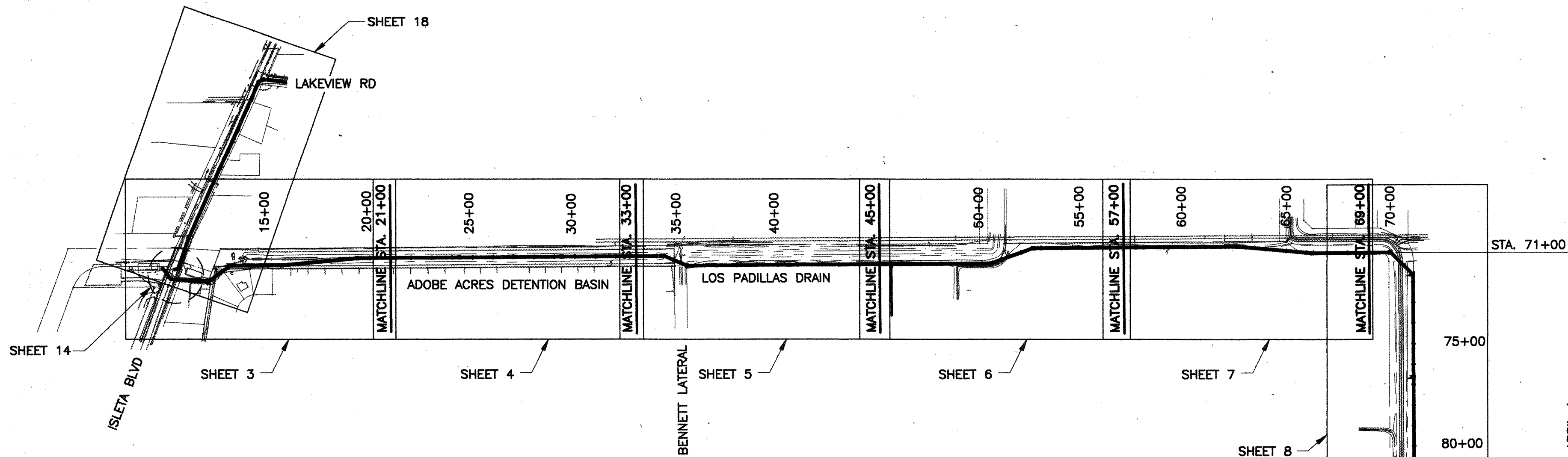
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION		
		DRC Chairman	<i>Billie J. Boudley</i>	10/19/96	<i>Paul F. [Signature]</i> City Engineer Bernalillo County Date 10/19/96		
		Transportation	<i>W/A</i>				
		Water/Wastewater	<i>Roger A. [Signature]</i>	10/9/96			
		Hydrology	<i>N/A</i>				
		Parks	<i>N/A</i>				
		Constr. Mngmnt.					
City Project No.		4314.94		Sheet 1		Of 28	



GENERAL NOTES

- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, INC., 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 (AS AMENDED THROUGH UPDATE NO. 6), REFERENCED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING VALVE BOXES, SIDEWALKS, ELECTRIC CONDUIT, MANHOLES, AND CURB & GUTTER DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE SAME AT CONTRACTOR'S EXPENSE.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN DETERMINED BY INFORMATION PROVIDED BY OTHERS, AND SHALL BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND SIZE OF ALL EXISTING UTILITY LINES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES RESULTING FROM FAILURE TO LOCATE ANY AND ALL UTILITIES.
- QUANTITIES SHOWN FOR THE VARIOUS BID ITEMS ARE FOR THE CONTRACTOR'S INFORMATION ONLY. PAYMENT SHALL BE BASED ON ACTUAL QUANTITIES AS CONSTRUCTED.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION DEBRIS IN AN ENVIRONMENTALLY ACCEPTABLE MANNER AT A LOCATION APPROVED BY THE PROJECT ENGINEER. ALL SALVAGED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL SUPPORT AND MAINTAIN OPERATIONAL ALL UTILITIES EXPOSED DURING TRENCHING AND OTHER CONSTRUCTION OPERATIONS. ALL CONSTRUCTION ACTIVITIES INVOLVING GAS, POWER, WATER, TELEPHONE, AND/OR OTHER UTILITY LINES SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY PRIOR TO ANY DISTURBANCE. NO UTILITY SERVICE SHALL BE DISRUPTED WITHOUT FIRST NOTIFYING ALL AFFECTED PARTIES 48 HOURS IN ADVANCE.

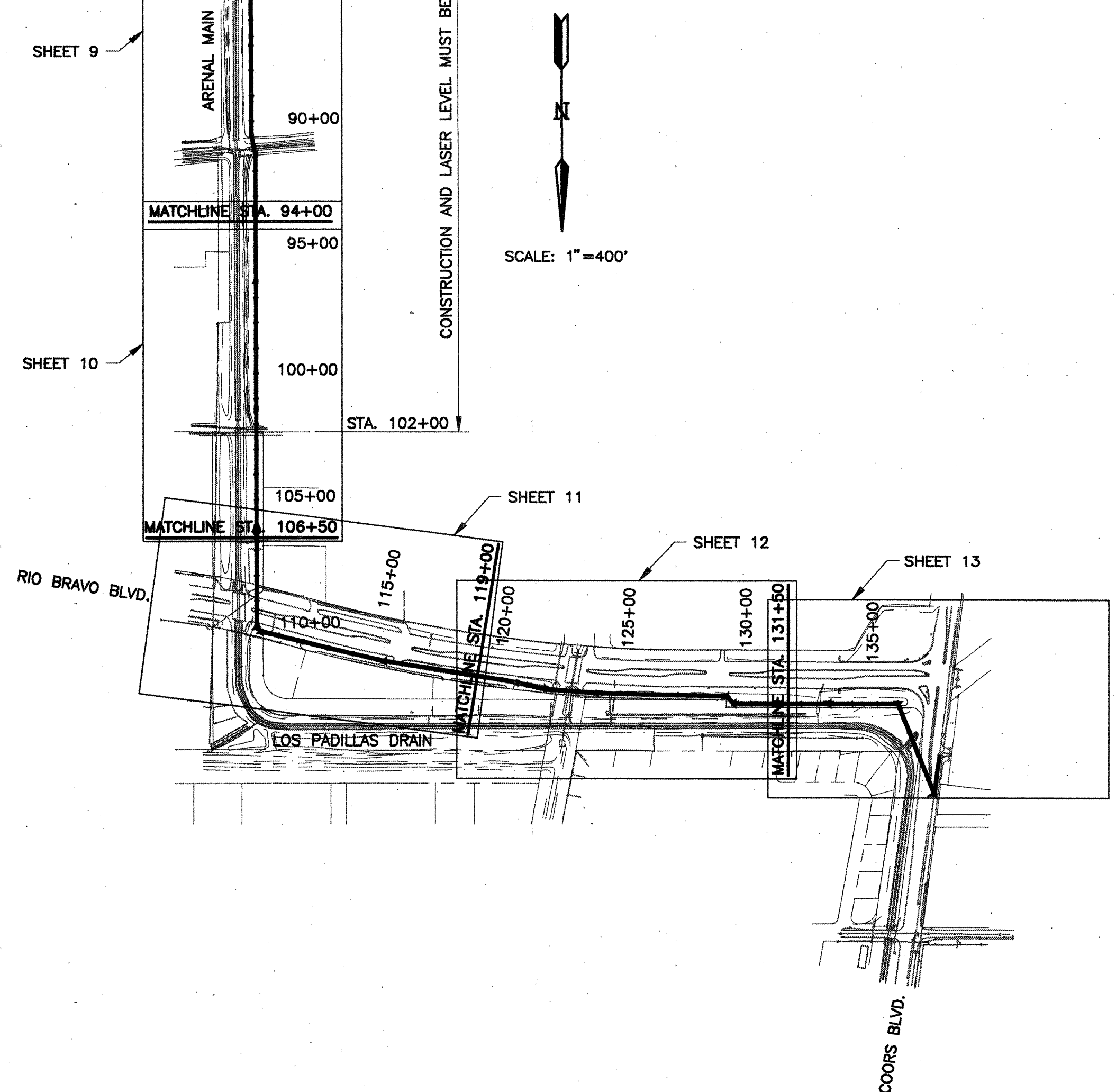
B Boyle Engineering Corporation
consulting engineers
Suite 600
4400 Central Blvd. N.E.
Albuquerque, NM 87110
(505) 882-7700



SCANNED BY
MESA REPRO

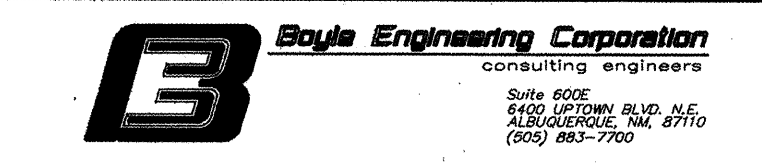
LEGEND

PROPOSED	EXISTING	DESCRIPTION
N/A	--- 6" STM ---	STORM SEWER LINE W/SIZE
N/A	--- 6" SAS ---	SANITARY SEWER LINE W/SIZE
N/A	--- 6" W ---	WATER LINE W/SIZE
N/A	--- 2" HP ---	GAS LINE WITH PRESSURE RATING
N/A	---	TOP/TOE OF SLOPE
N/A	--- X ---	GATE VALVE
N/A	--- O ---	CHAINLINK FENCE
--- R/W ---	--- R/W ---	RIGHT OF WAY LINE
--- P/L ---	--- PL ---	PROPERTY LINE
--- TCE ---	N/A	TEMPORARY CONSTRUCTION EASEMENT
--- ESMT ---	N/A	PERMANENT EASEMENT
N/A	--- OHP ---	OVERHEAD POWER LINES
N/A	--- SDI ---	SLOTTED DRAIN INLET
N/A	--- GM ---	GAS METER
N/A	--- TR ---	TELEPHONE RISER
N/A	--- LT ---	LIGHT & POST
N/A	--- SB ---	SPLICE BOX
N/A	--- CTV ---	CABLE TELEVISION
N/A	--- GP ---	GUARD POST
N/A	--- PP ---	POWER POLE
N/A	--- TS ---	TRAFFIC SIGN
N/A	--- MW LK05 ---	MONITORING WELL & NUMBER
N/A	23.92 x	SPOT ELEVATION
N/A	N/A	MILL & OVERLAY LIMITS
N/A	--- 5/24/94 ---	GROUND WATER LEVEL (DATE)
N/A	I.E.	INVERT ELEVATION
N/A	--- CP#1 ---	DESIGN SURVEY CONTROL POINT

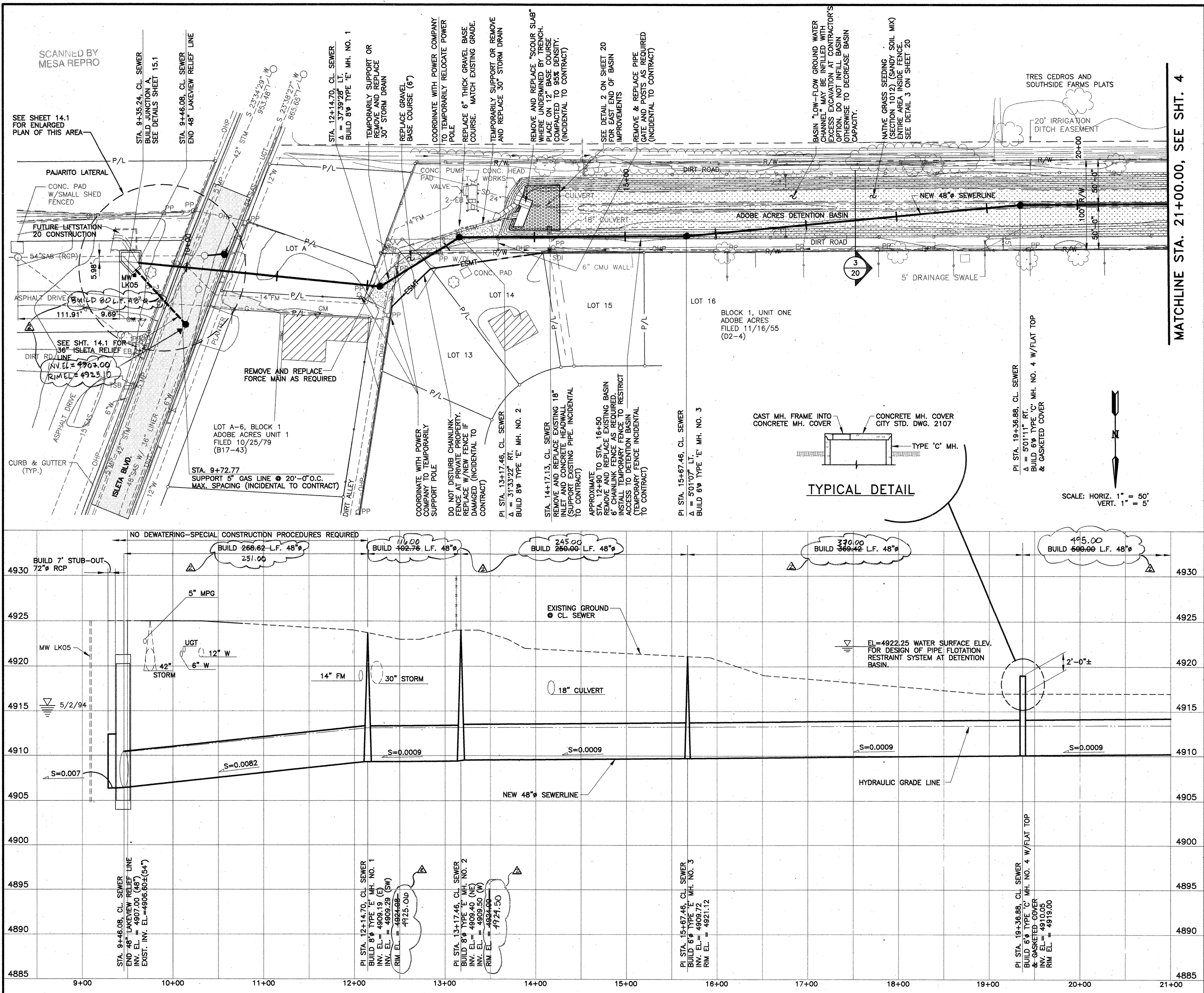


- CONSTRUCTION IN MRGCD RIGHT-OF-WAY
- Any work performed within the Middle Rio Grande Conservancy District right-of-way shall be closely coordinated with the Middle Rio Grande Conservancy District Engineering Department at 247-0234.
 - No work is to be done on facilities or structures belonging to, or operated by, the Middle Rio Grande Conservancy District, (MRGCD) between March 1 and October 31 inclusive. However, work may be permitted by MRGCD if it can be shown that the work will not interfere with operations of the MRGCD facility. City has obtained license for sewer line installation from MRGCD.
 - The Contractor shall not store equipment, new materials or debris within MRGCD right-of-way which may interfere with operations and maintenance of MRGCD's facilities.
 - The Contractor shall not service vehicles or equipment with MRGCD right-of-way.
 - The Contractor must maintain a minimum cover of three feet over all culvert crossings used for access to the project site.
 - The Contractor is responsible for repairing and/or replacing damaged structure/structures within MRGCD right-of-ways that occur due to the Contractor's activities.
 - All damaged culvert crossings must be restored and/or replaced to the satisfaction of MRGCD.
 - The Contractor is responsible for executing a Special Use License Agreement with the District prior to construction. The City has applied for and received a license to install the sewerline within MRGCD right-of-way.

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE SHEET LAYOUT PLAN AND LEGEND	
APPROVED OCT 10 1996 DESIGN REVIEW COMMITTEE	City Engineer Approval Mo./Day/Yr. _____ Mo./Day/Yr. _____
City Project No. 4314.94 Zone Map No. P-10, P-11 P-12	Sheet 2 of 28 Mo./Day/Yr. _____ Mo./Day/Yr. _____ Mo./Day/Yr. _____ Mo./Day/Yr. _____



NOTES:

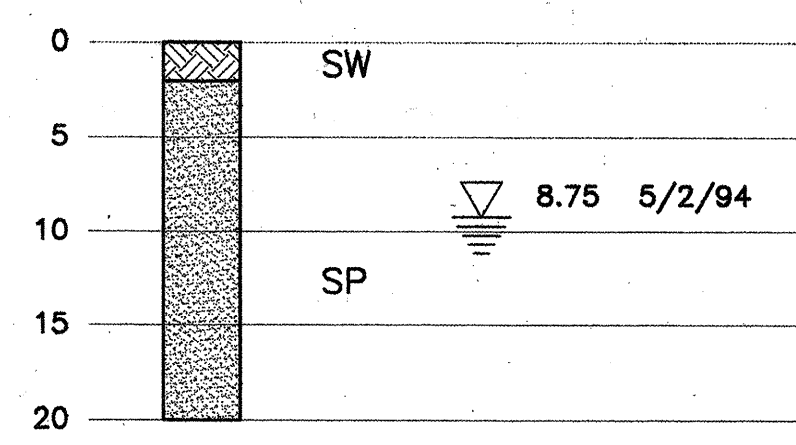
- HGL BASED ON ASSUMED FULL PIPE CONDITION AT JUNCTION BOX "A".
- FOUR WORKING DAYS MINIMUM NOTICE SHALL BE GIVEN TO PNM ELECTRIC SERVICES COMPANY FOR TEMPORARY SUPPORT OF POLES. TEMPORARY SUPPORTS MAY NOT EXCEED 8 HOURS DURATION. ALL EXCAVATIONS CLOSER THAN 5 FEET TO A POLE SHALL REQUIRE TEMPORARY SUPPORT.
- TEN WORKING DAYS MINIMUM NOTICE SHALL BE GIVEN TO PNM ELECTRIC SERVICES COMPANY FOR RELOCATING POLES.
- REFER TO SPECIFICATIONS FOR SEWAGE FLOW REQUIREMENTS AND SHEET 21 FOR CONSTRUCTION PHASING.
- SEED DISTURBED ADOBE ACRES DETENTION BASIN AREAS WITH NATIVE SEED, HAY MULCH AND GRAVEL MULCH. SEE SHEET 20.
- MAXIMUM DEWATERING RATE SHALL NOT EXCEED 1200 GPM AND SHALL BE DISCHARGED TO THE 42" STORM DRAIN SYSTEM IN ISLETA BLVD.
- MW# INDICATES MONITORING WELL LOCATION. SEE SOIL BORING LOG BELOW.
- SPECIAL CONSTRUCTION PROCEDURES REQUIRED FROM JUNCTION BOX "A" TO SEWER STA. 12+14.70 IN LIEU OF DEWATERING. SEE SPECIFICATION SECTION 702.
- ALL MANHOLE INTERIORS SHALL BE COATED PER SECTION 920.4.6.2.

RECORD DRAWING

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SOIL BORING LOG LK05

7 1/2" DIAMETER BORED OR AUGERED



B Boyle Engineering Corporation

CONSULTING ENGINEERS

Suite 606
3800 Central Expressway, N.E.
Albuquerque, N.M. 87110
(505) 883-7700

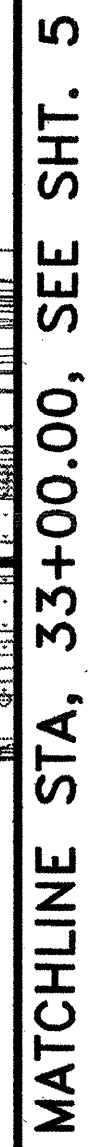
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE
PLAN & PROFILE STA. 9+41.33 TO STA. 21+00.00

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

City Project No. 4314.94 Zone Map No. P-12 Sheet 3.1 of 28

SCANNED BY
MESA REPRO



1. HGL BASED ON ASSUMED FULL PIPE CONDITION AT JUNCTION BOX "B".
2. FOUR WORKING DAYS MINIMUM NOTICE SHALL BE GIVEN TO PHM ELECTRIC SERVICES COMPANY FOR TEMPORARY SUPPORT OF POLES. TEMPORARY SUPPORTS MAY NOT EXCEED 8 HOURS DURATION. ALL EXCAVATIONS CLOSER THAN 5 FEET TO A POLE SHALL REQUIRE TEMPORARY SUPPORT.
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5. MAXIMUM DEWATERING RATE SHALL NOT EXCEED 1200 CFM AND SHALL BE DISCHARGED TO THE #2 STORM DRAIN SYSTEM IN ISLETA BLVD.
6. ALL MANHOLE INTERIORS SHALL BE COATED PER SECTION 920.4.6.2.

Edgar M. Kelly 9/28/60

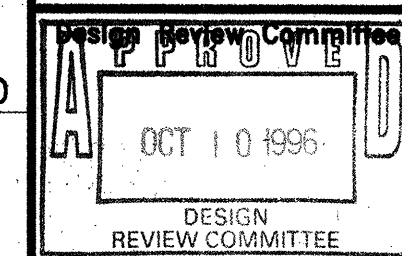
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B **Boyle Engineering Corporation**
consulting engineers
Suite 600E
6400 UPTOWN BLVD. N.E.
ALBUQUERQUE, NM, 87110
(505) 883-7700

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE
PLAN & PROFILE STA.21+00.00 TO STA. 33+00.00

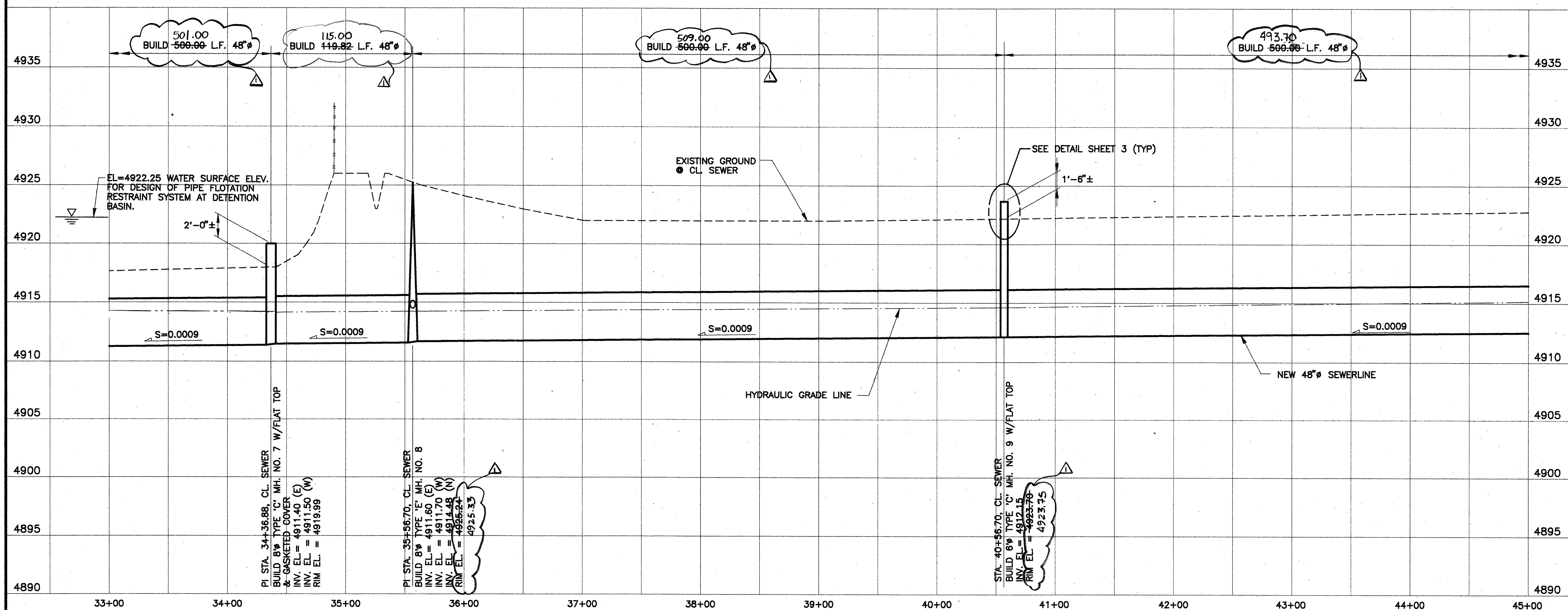
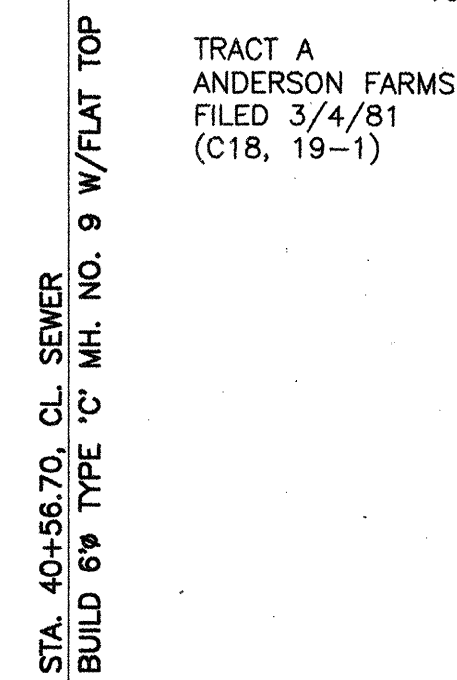
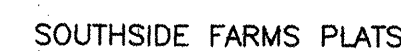
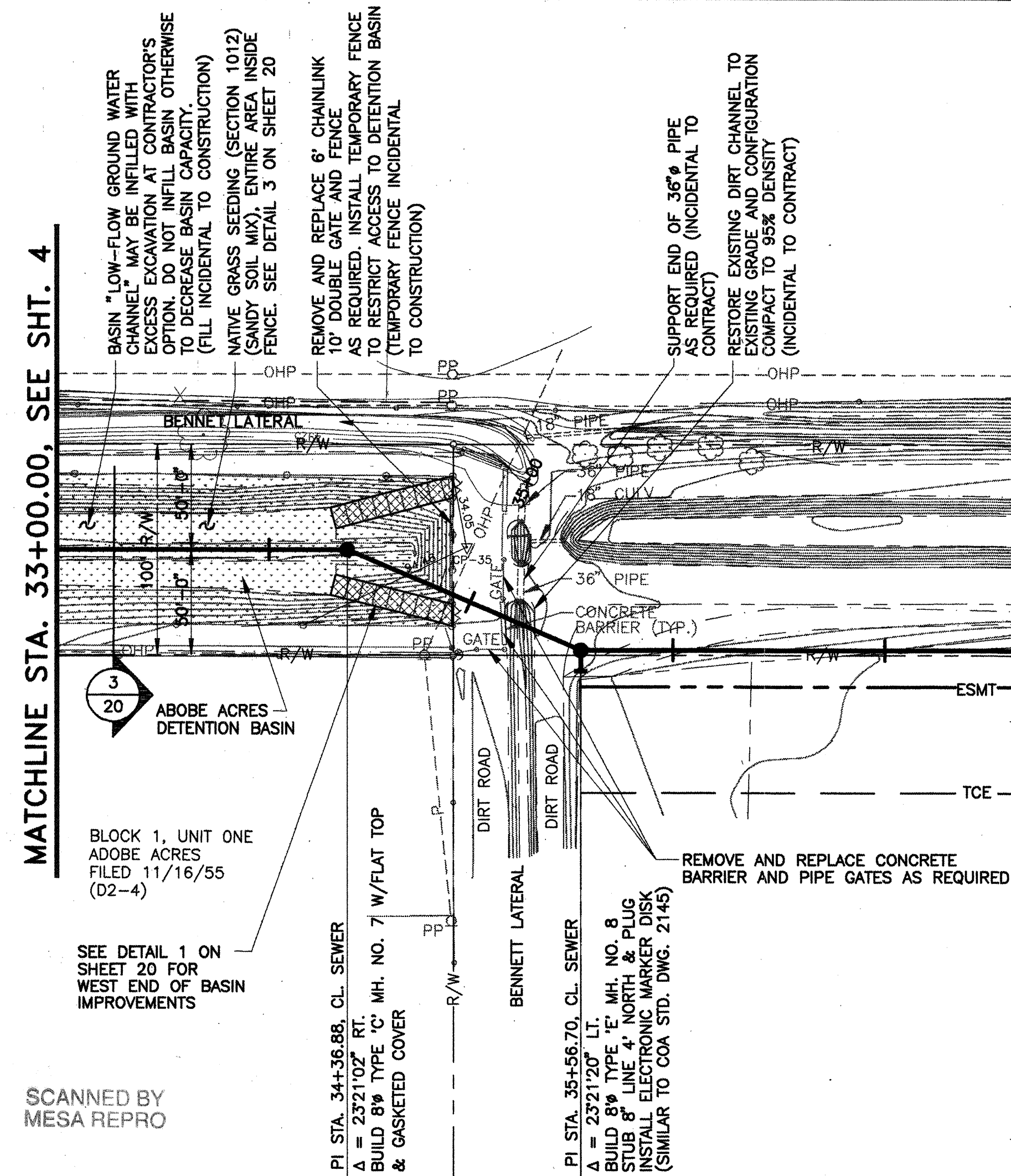


City Engineer Approval

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	4314.94	Zone Map No.	P-12	Sheet	4	Of	28
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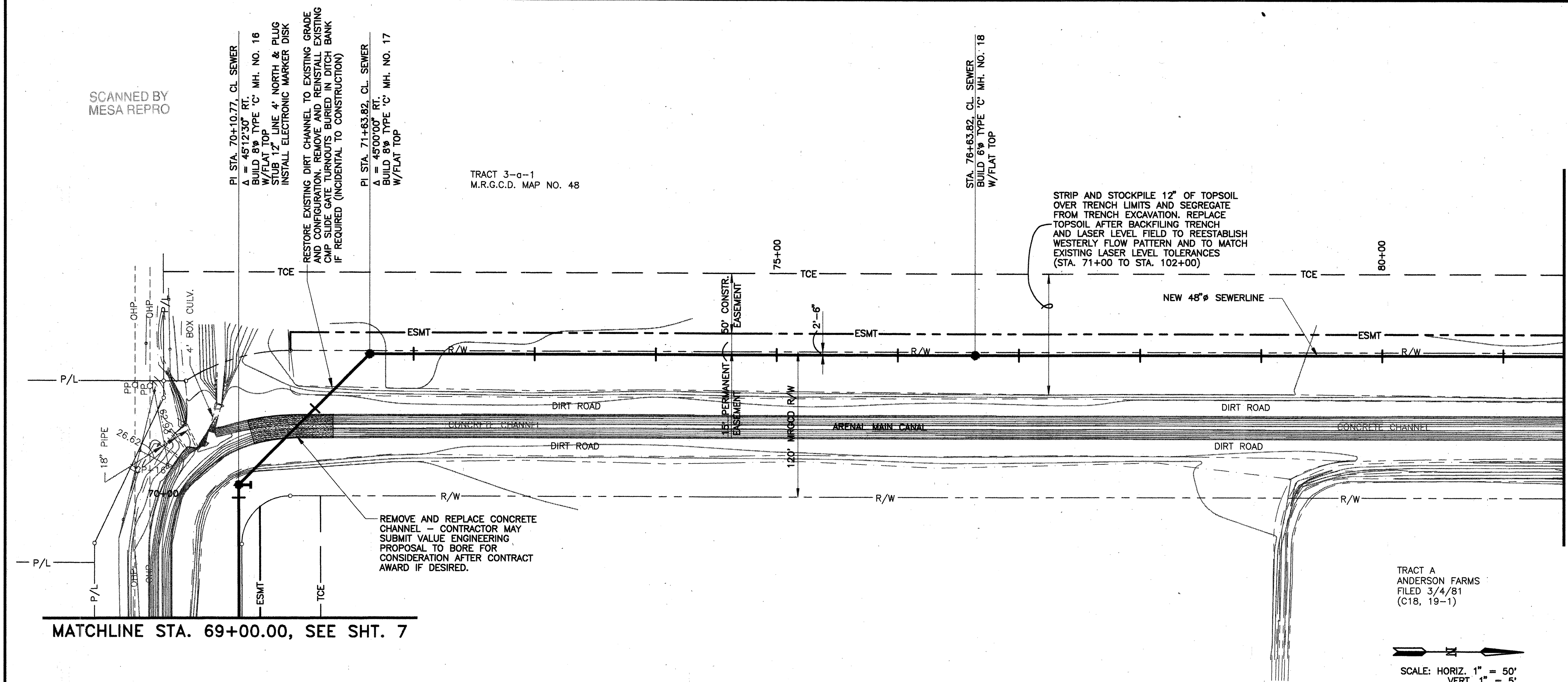


NOTES:

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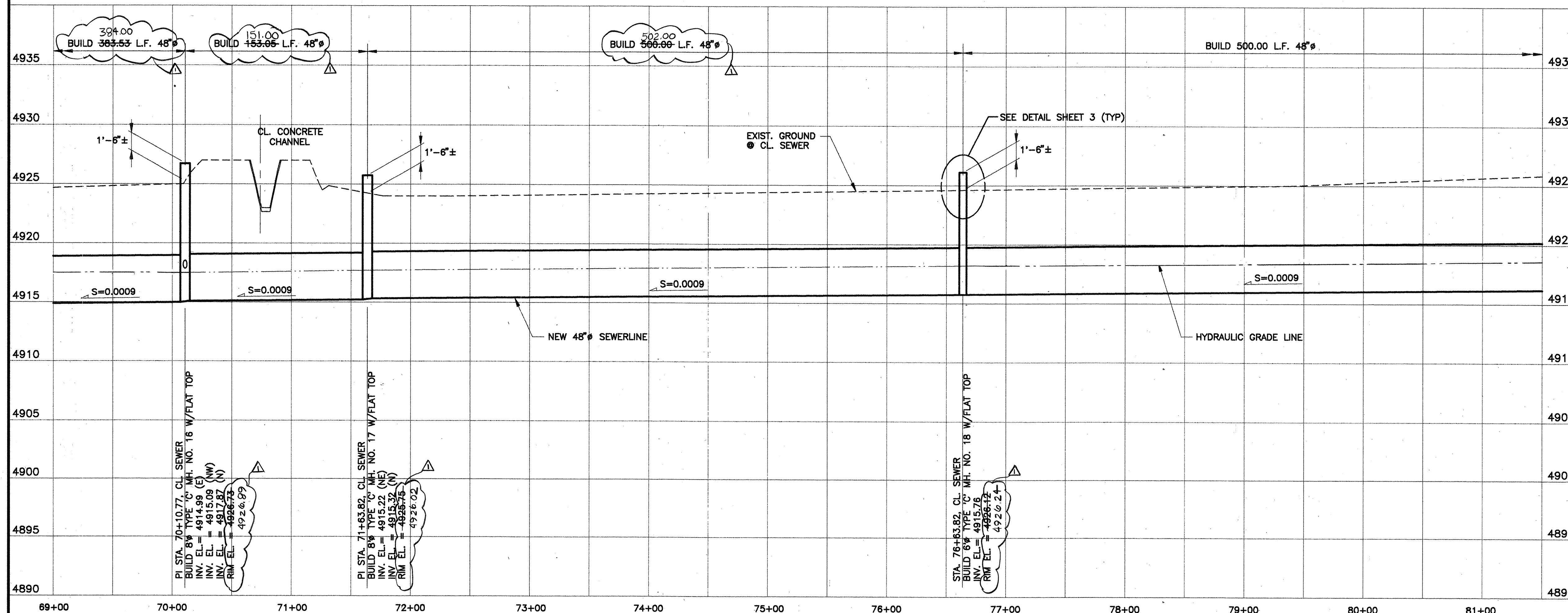
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SCANNED BY
MESA REPRO



MATCHLINE STA. 69+00.00, SEE SHT. 7

MATCHLINE STA. 81+50.00, SEE SHT. 9

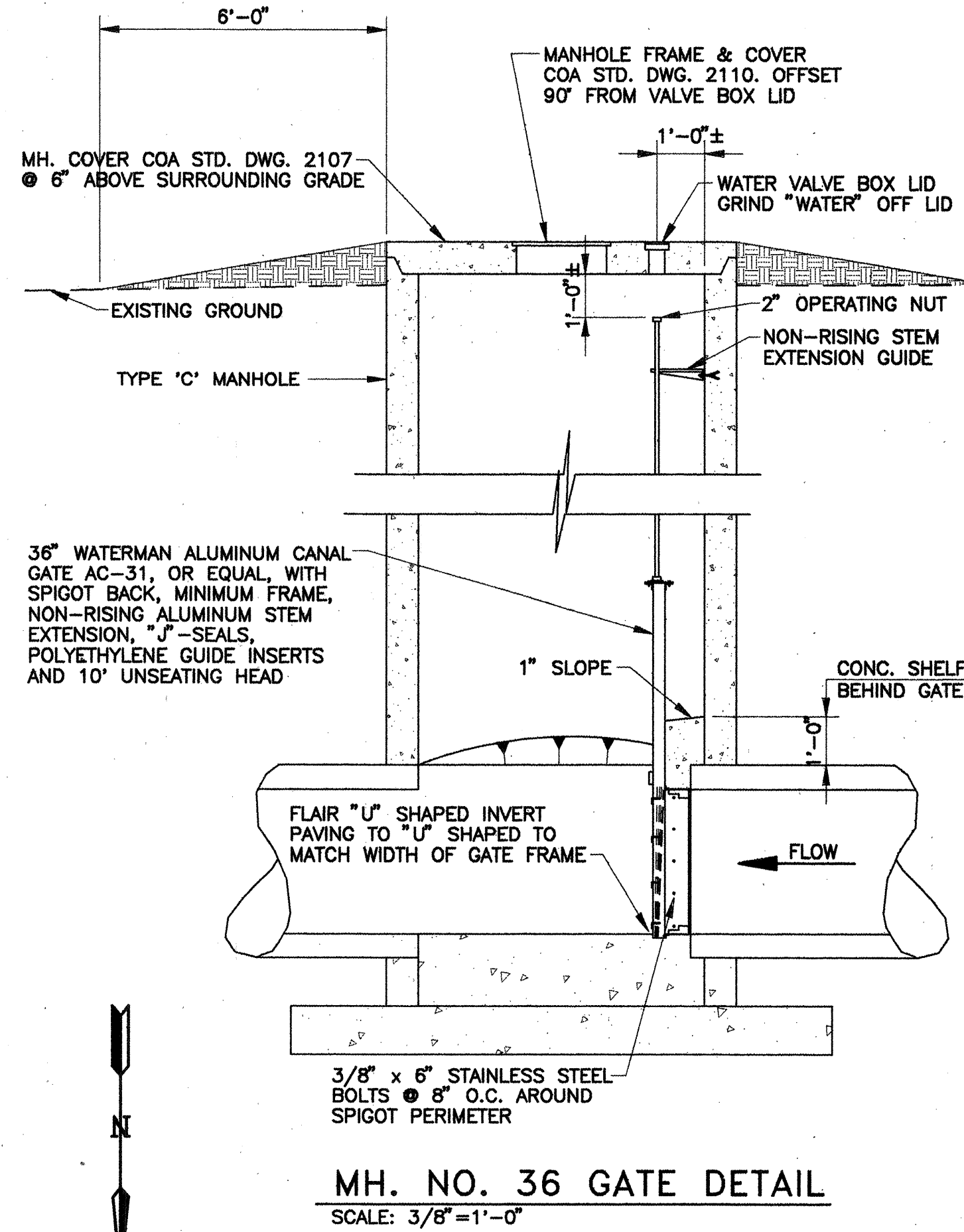
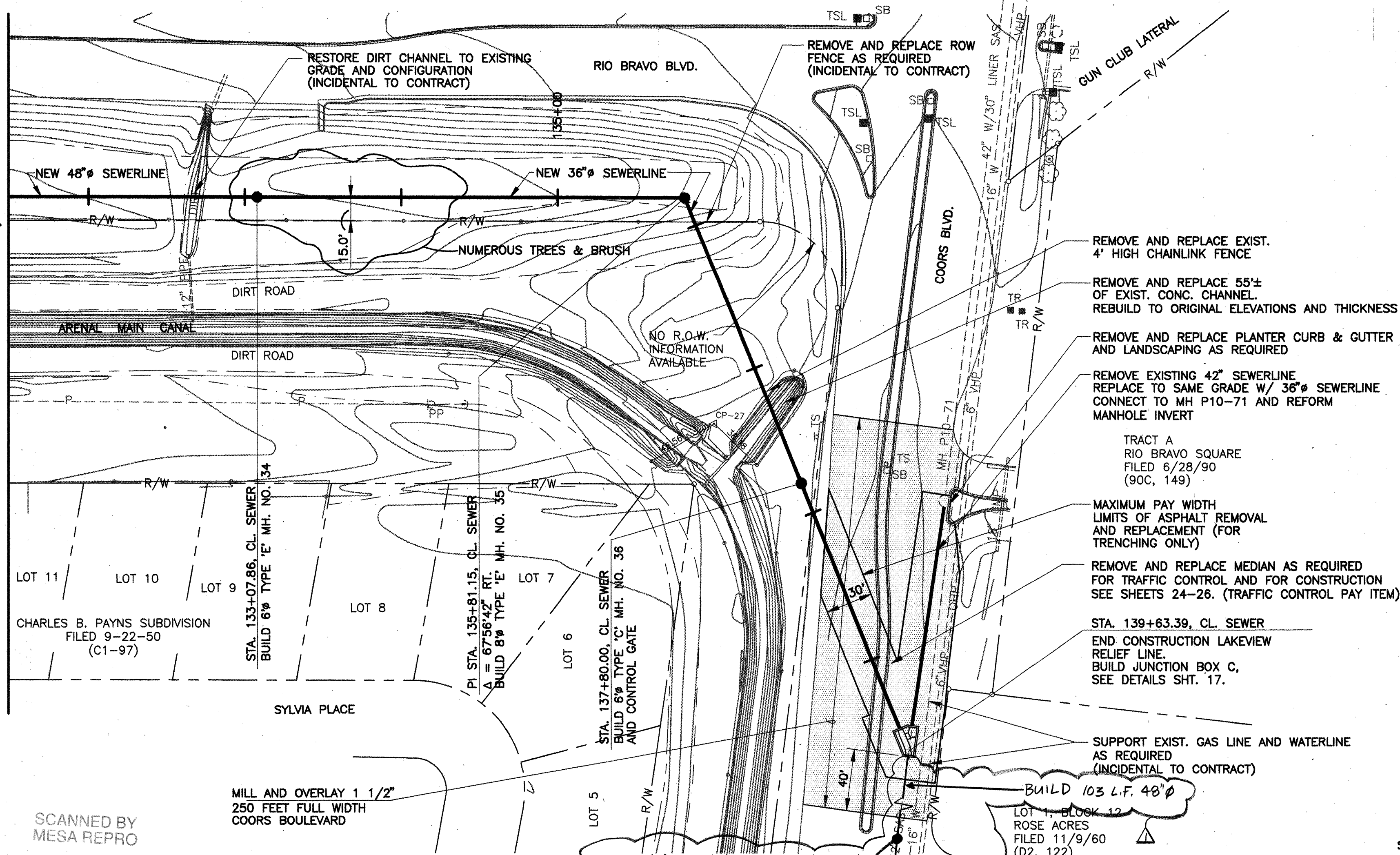


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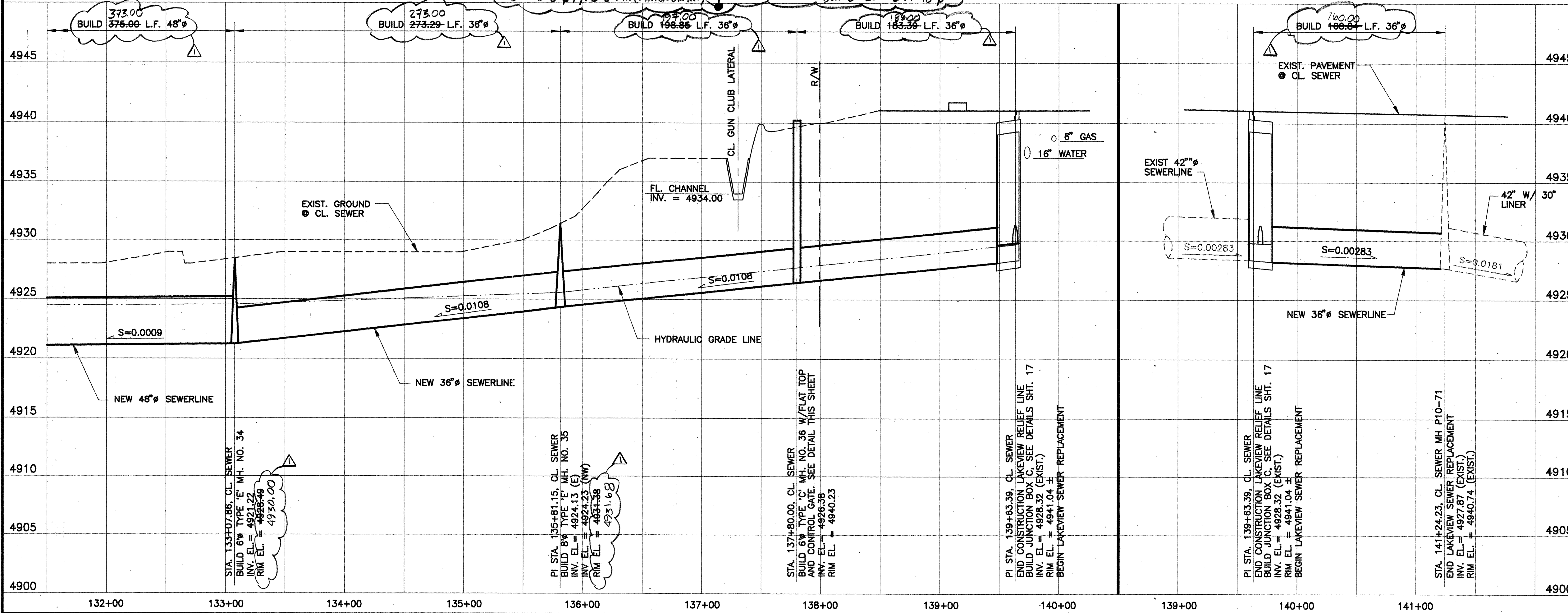
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[illegible]

MATCHLINE STA. 131+50.00, SEE SHT. 12



SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'



NOTES:

- HGL BASED ON ASSUMED FULL PIPE CONDITION AT JUNCTION BOX "B".
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- TEN WORKING DAYS MINIMUM NOTICE SHALL BE GIVEN TO PNM ELECTRIC SERVICES COMPANY FOR RELOCATING POLES.
- REFER TO SPECIFICATIONS FOR SEWAGE FLOW REQUIREMENTS AND CONSTRUCTION PHASING.
- COUNTY OF BERNALILLO IS RECONSTRUCTING THE COORS BLVD./RIO BRAVO BLVD. INTERSECTION AND A SEGMENT OF RIO BRAVO EAST OF THE INTERSECTION. WORK ON THE INTERSECTION BY OTHERS WILL NOT BEGIN UNTIL THE SEWERLINE AND JUNCTION BOX IN COORS BLVD. IS COMPLETED.
- SEE SHEETS 24-26 FOR ADDITIONAL REMOVALS AND REPLACEMENTS NOT SHOWN ON THIS SHEET.
- MAXIMUM DEWATERING RATE SHALL NOT EXCEED 1200 GPM AND SHALL BE DISCHARGED TO THE 42" STORM DRAIN SYSTEM IN ISLETA BLVD.
- ALL MANHOLE INTERIORS SHALL BE COATED PER SECTION 920.4.6.2.
- RESEED DISTURBED NMSHTD RIGHT-OF-WAY WITH NATIVE GRASSES AND HAY MULCH PER SECTION 1012 OF COA STD SPECIFICATIONS WITH SEED PER 1012.4.1.2

NOTIFY COUNTY'S CONTRACTOR TWO WEEKS PRIOR TO COMPLETING PIPE AND JUNCTION BOX INSTALLATION IN COORS BLVD.



RECORD DRAWING

RECORD DRAWING OF THE FACILITIES IDENTIFIED IN THIS DRAWING HAS BEEN PREPARED IN PART ON INFORMATION COMPILED AND FURNISHED BY THE ENGINEER/ARCHITECT AND OTHER(S) WHICH WILL VARY SOMETIMES FROM THE CONDITIONS SHOWN ON THE DRAWING. THE ENGINEER/ARCHITECT AND OTHER(S) WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE MADE BY THE USER OF THIS DRAWING. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR THE PROPER LOCATION OF ALL FACILITIES IS REQUIRED BY THE DISTRICT OR THE OWNER(S) OF THE UTILITIES INVOLVED.

Boyle Engineering Corporation

CONSULTING ENGINEERS

3000 N. 10TH AVE. SUITE 200
ALBUQUERQUE, NM 87110
(505) 685-1100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE
PLAN & PROFILE STA. 131+50.00 TO STA. 139+63.39

Design Review Committee

APPROVED

OCT 10 1996

City Engineer Approval

Mo./Day/Yr.

Mo./Day/Yr.

DESIGNED BY KWW

DRAWN BY CAM

CHECKED BY WWM

DATE 5/96

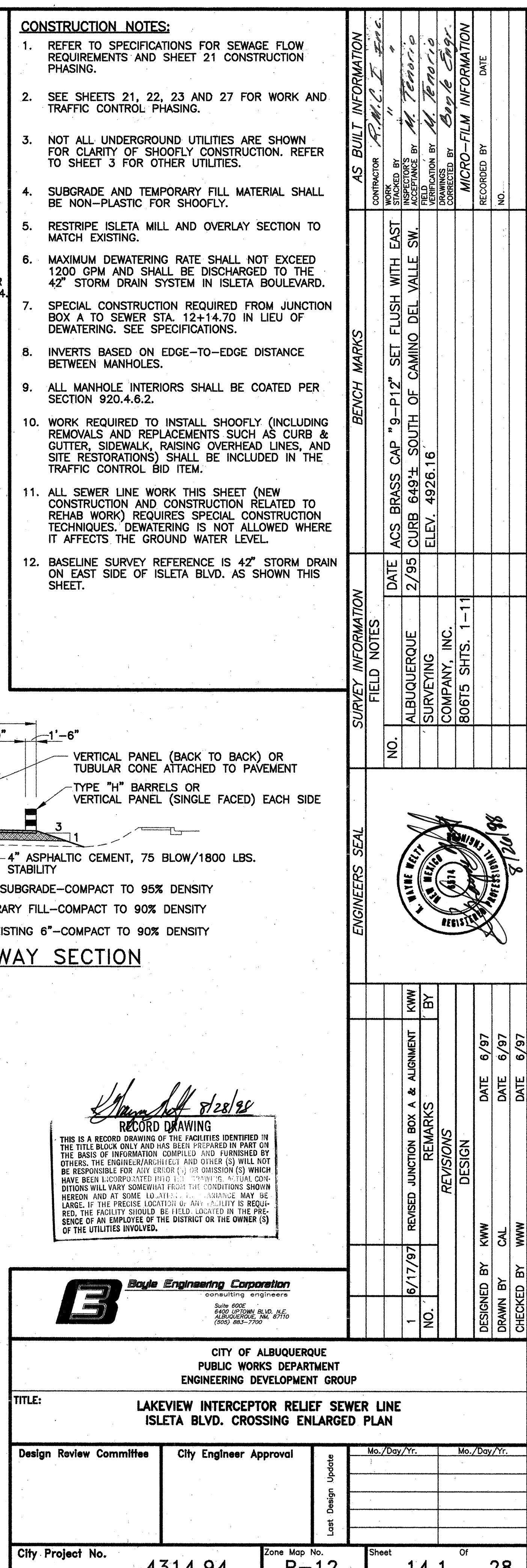
DATE 5/96

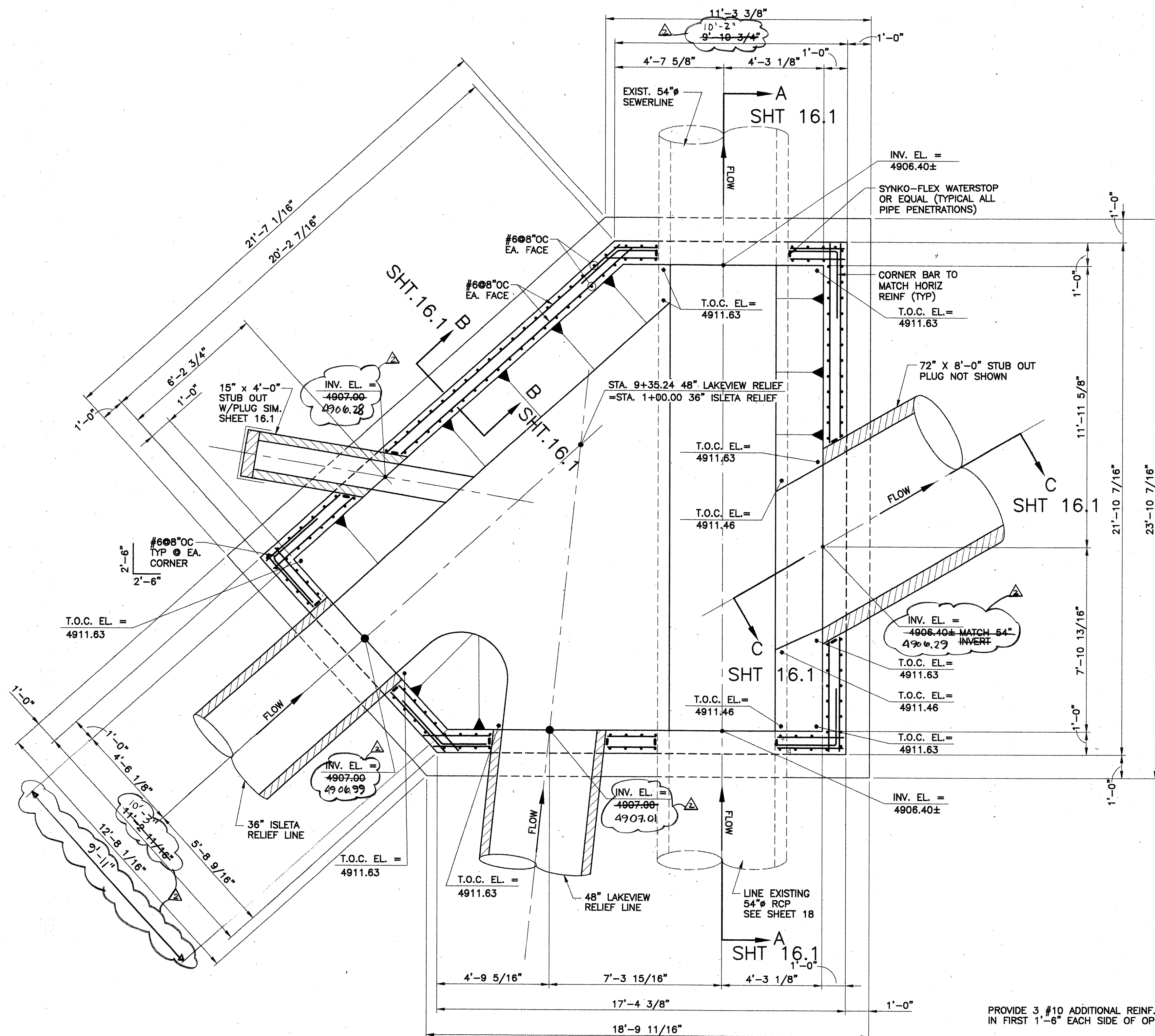
DATE 5/96

City Project No. 4314.94

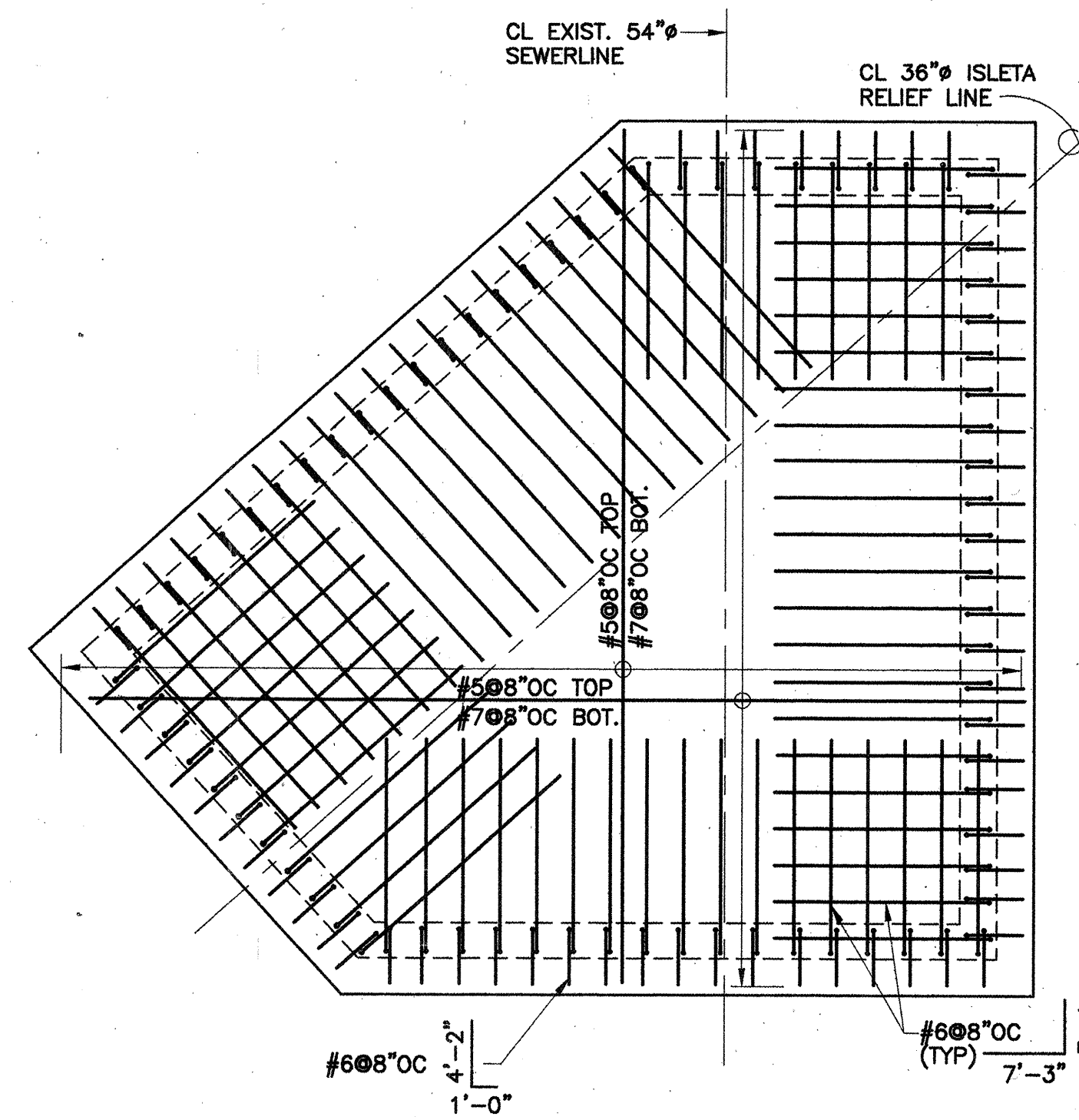
Zone Map No. P-10

Sheet 13 of 28

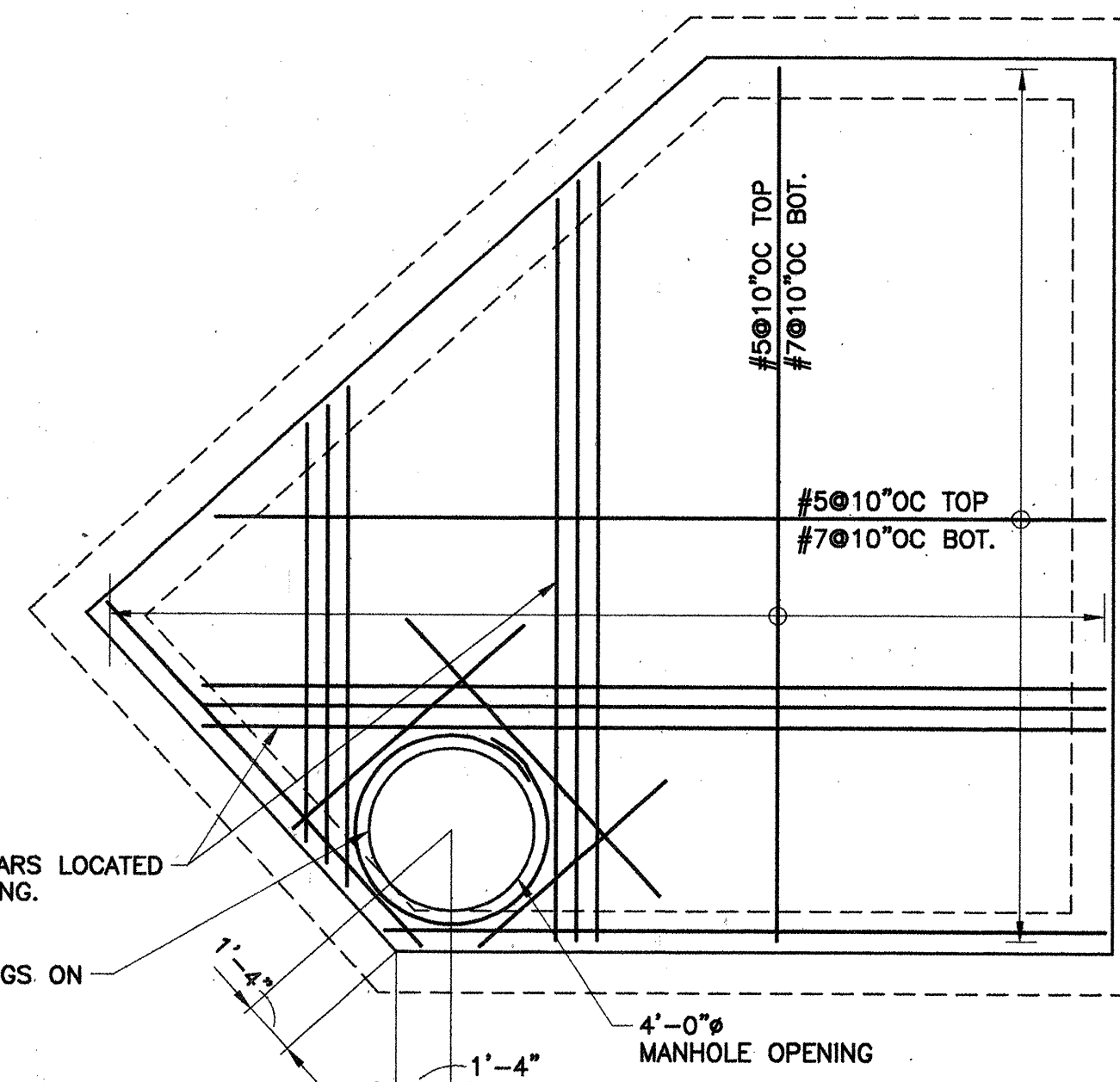




JUNCTION BOX "A" @ STA. 9+35.24 - PLAN
SCALE: 3/8" = 1'-0"



JUNCTION BOX FOUNDATION SLAB PLAN
SCALE: 1/4" = 1'-0"

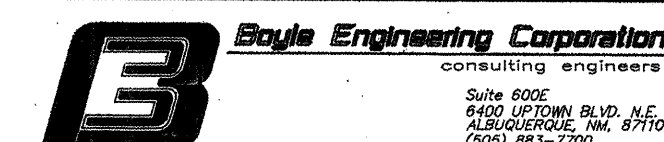


JUNCTION BOX TOP SLAB PLAN
SCALE: 1/4" = 1'-0"

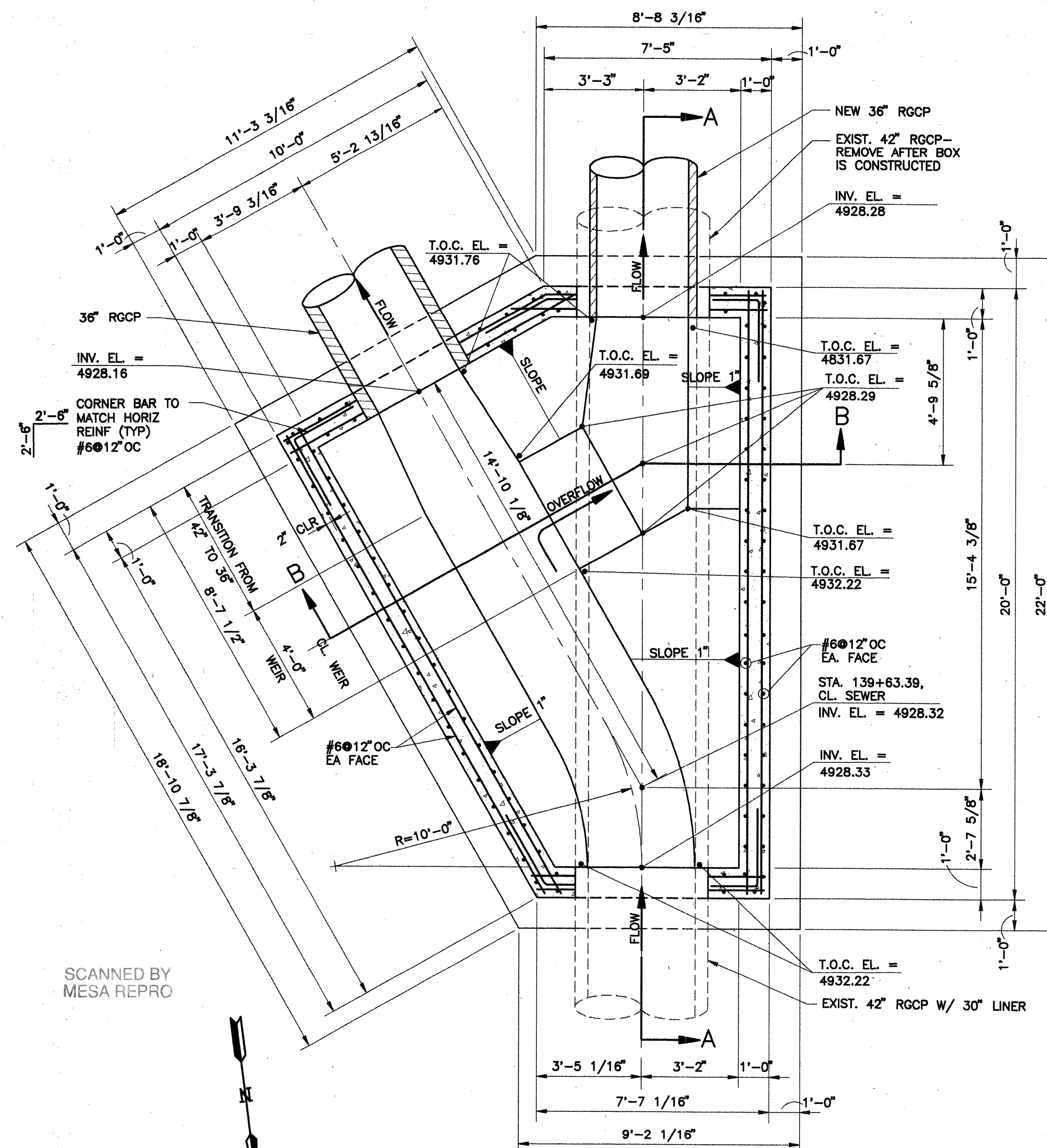
NOTES:

1. CONCRETE STRENGTH:
f'c=4,000 psi @ 7 DAYS
2. REINFORCING STEEL:
ASTM A615 GRADE 60
3. REFER TO SPECIFICATIONS AND SHEET 21 FOR
SEWAGE FLOW REQUIREMENTS AND CONSTRUCTION
PHASING.
4. 4' DIA. MH BARREL, TOP SLAB, MANHOLE RING
AND COVER (SD2101) NOT SHOWN FOR CLARITY.
INCLUDE IN BID ITEM FOR JUNCTION BOX. SEE
SHEET 20 FOR DETAIL. 3 ADDED BARS SHALL BE #10
5. BOX SHOWN AS CONVENTIONAL CAST-IN PLACE
CONSTRUCTION. CONTRACTOR MAY SUBMIT VALUE
ENGINEERING PROPOSAL AFTER AWARD FOR CAISSON
OR OTHER TYPE CONSTRUCTION.
6. BOX IN SPECIAL CONSTRUCTION PROCEDURE
AREA. SEE SPECIFICATION SECTION 702.
7. BOX INTERIOR SHALL BE COATED PER SECTION
920.4.6.2.

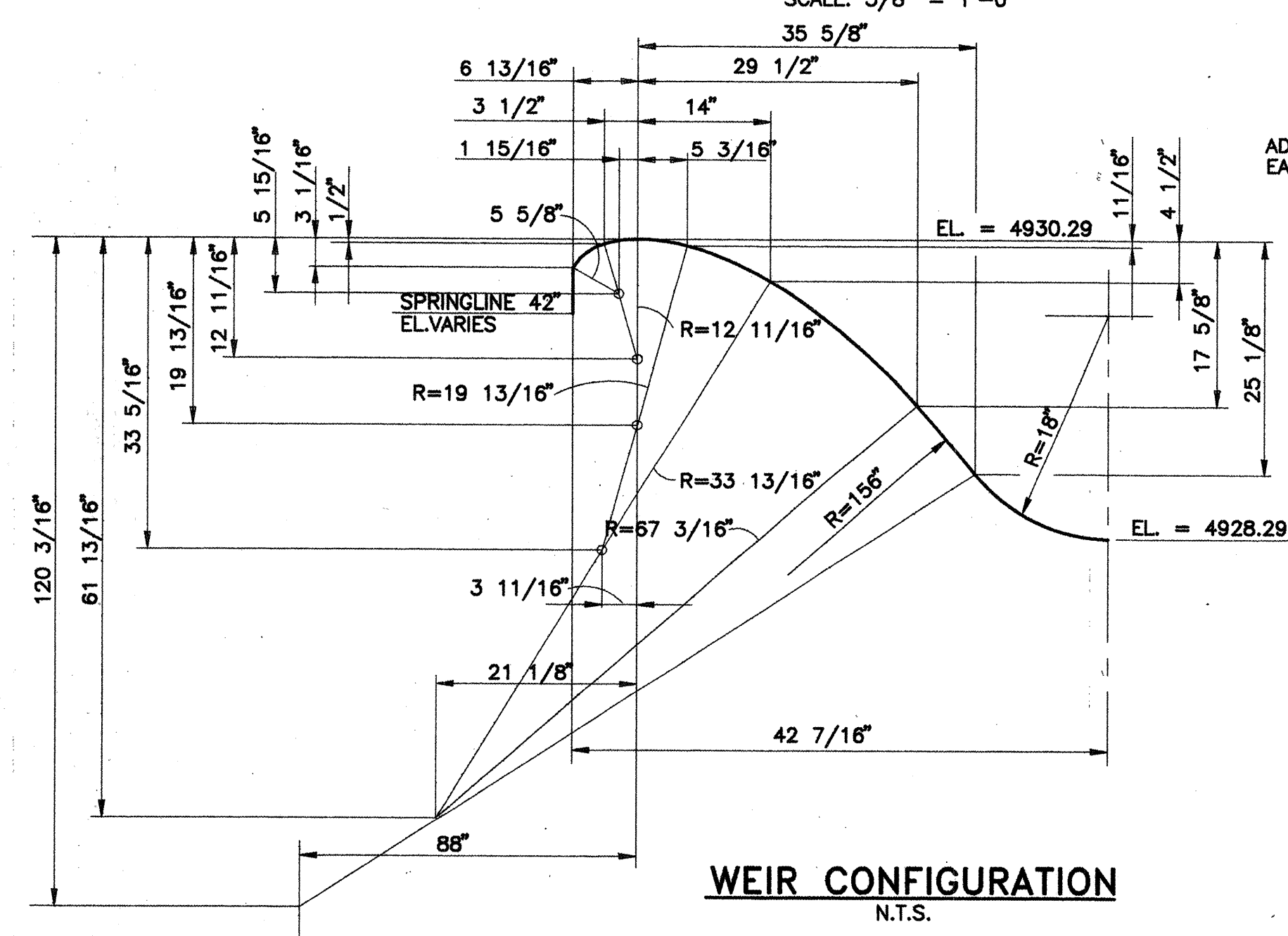
RECORD DRAWING
THIS IS A RECORD DRAWING OF THE FACILITIES IDENTIFIED IN
THE TITLE BLOCK ONLY AND HAS BEEN PREPARED IN PART ON
THE BASIS OF INFORMATION COMPILED AND FURNISHED BY
OTHERS. THE ENGINEER/ARCHITECT AND OTHER (S) WILL NOT
BE RESPONSIBLE FOR ANY ERRORS (S) OR OMISSION (S) WHICH
HAVE BEEN LATER IDENTIFIED. THE CONDITIONS SHOWN
HEREIN WILL VARY SOMEWHAT FROM THE CONDITIONS SHOWN
ON THE ORIGINAL DRAWING. THE ENGINEER/ARCHITECT AND
OTHER (S) WILL NOT BE RESPONSIBLE FOR ANY ERRORS (S) OR
OMISSION (S) WHICH HAVE BEEN LATER IDENTIFIED. THE
ENGINEER/ARCHITECT AND OTHER (S) WILL NOT BE
RESPONSIBLE FOR ANY ERRORS (S) OR OMISSION (S) WHICH
HAVE BEEN LATER IDENTIFIED.



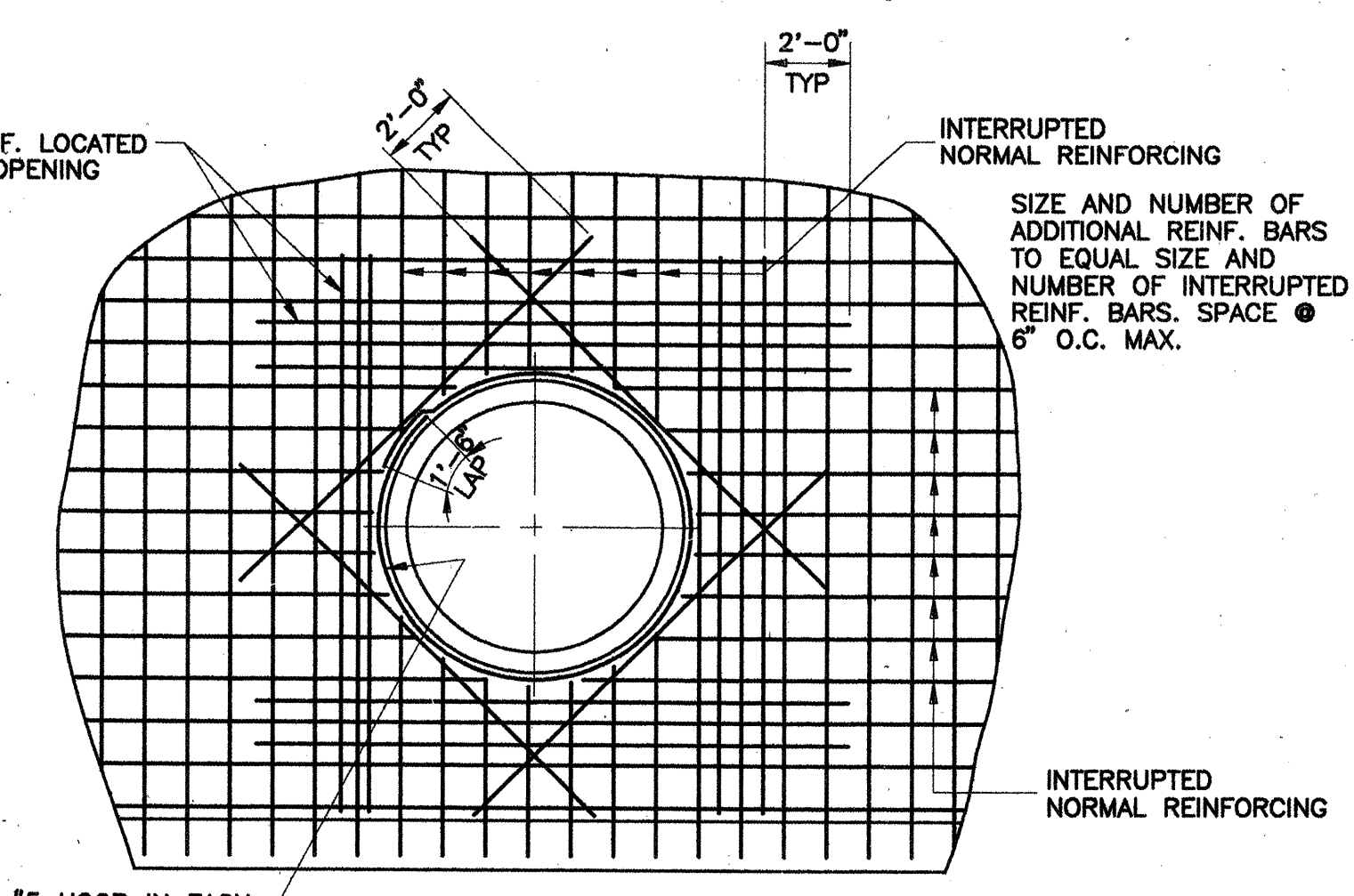
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE JUNCTION BOX "A" PLANS AND DETAILS			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
4314.94	P-12	15.1	28



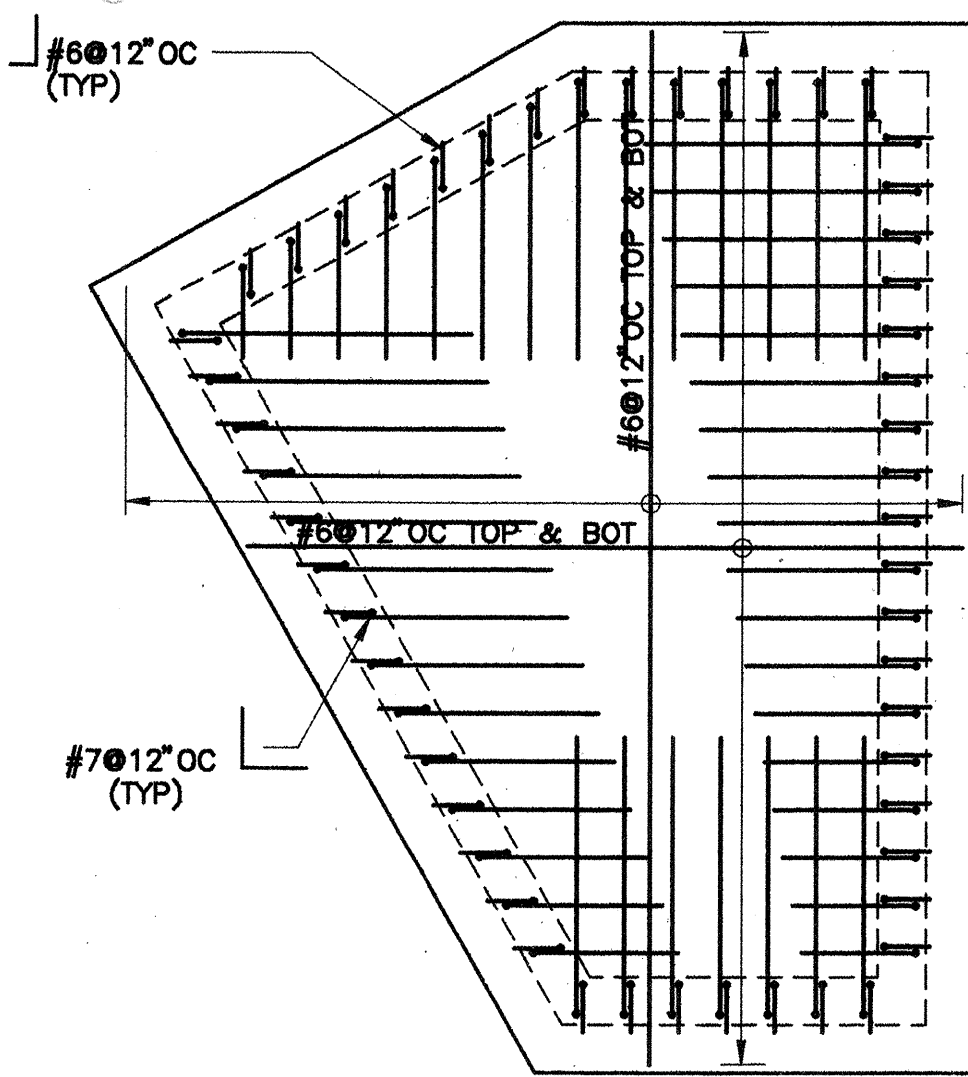
JUNCTION BOX "C" @ STA. 139+63.39 - PLAN
SCALE: 3/8" = 1'-0"



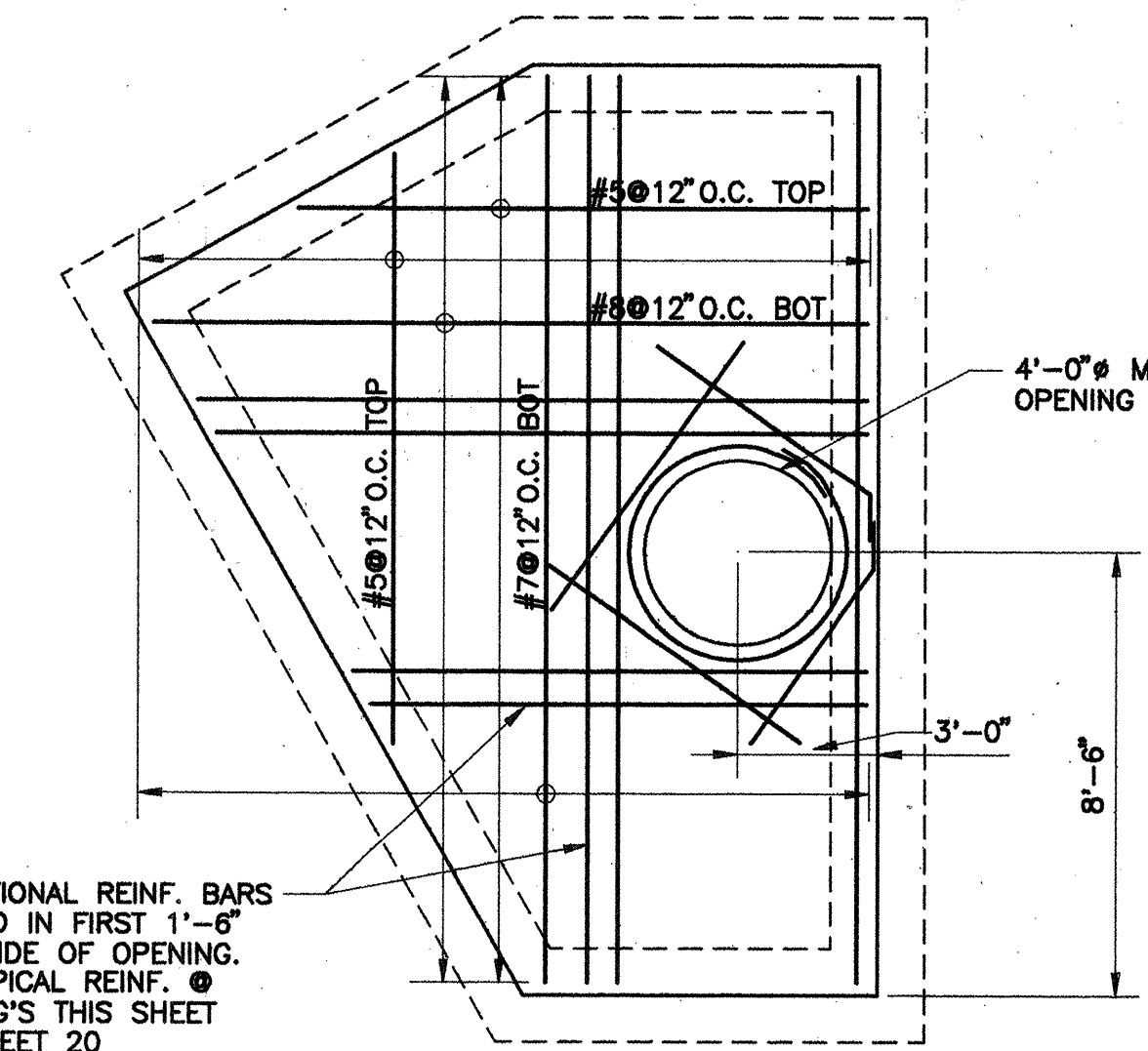
WEIR CONFIGURATION
N.T.S.



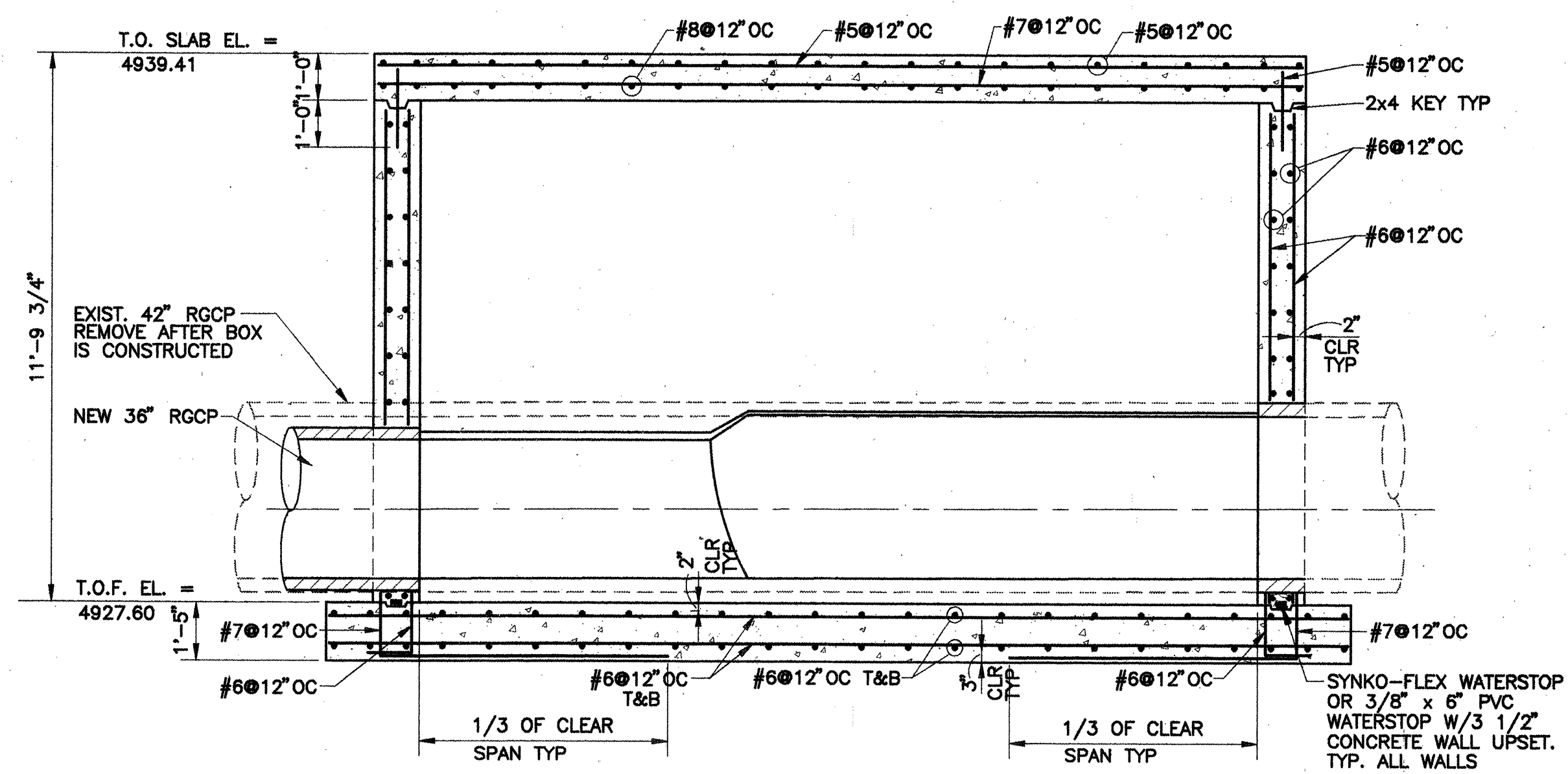
TYPICAL REINFORCING AT OPENINGS
SCALE: 1/4" = 1'-0"



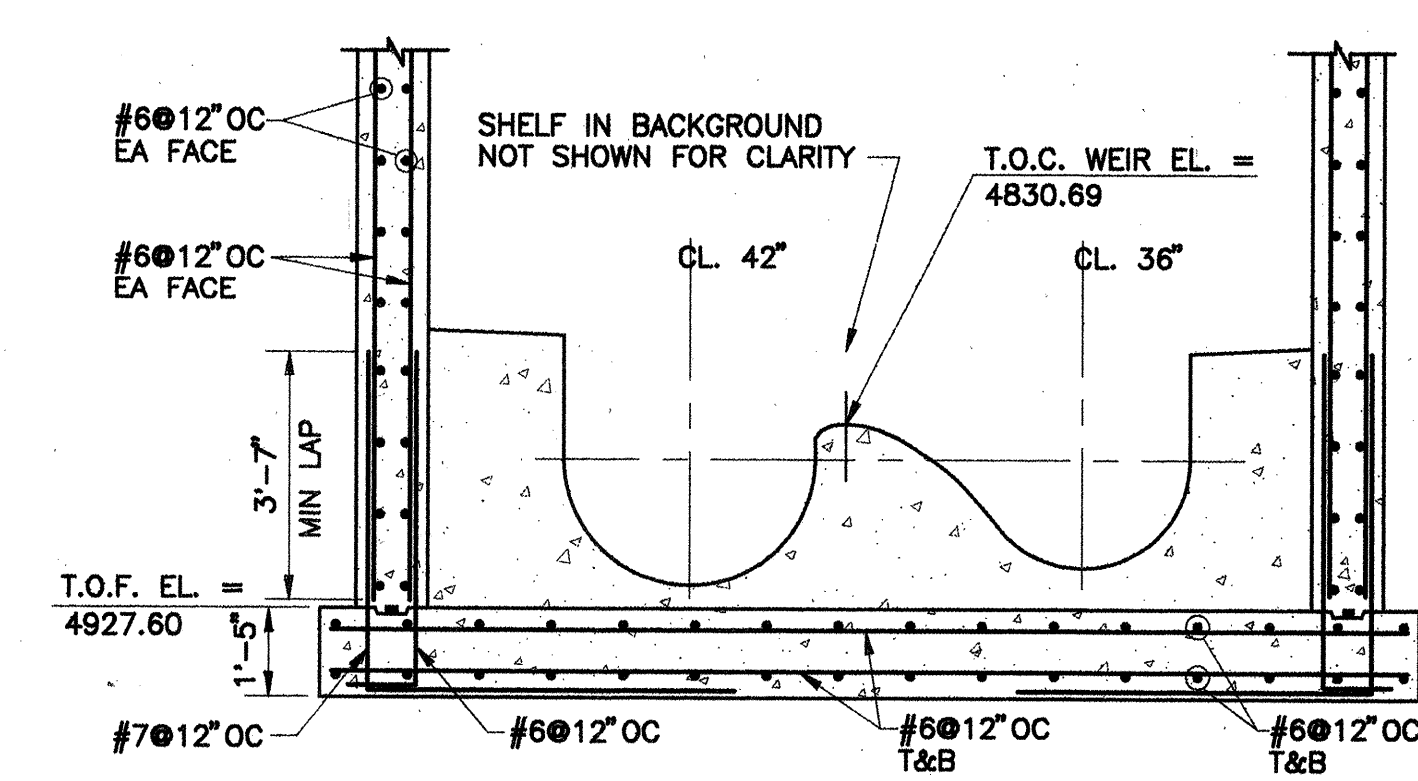
JUNCTION BOX SLAB FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



JUNCTION BOX TOP SLAB PLAN
SCALE: 1/4" = 1'-0"



SECTION A-A
SCALE: 3/8" = 1'-0"



SECTION B-B
SCALE: 3/8" = 1'-0"

NOTES:

- CONCRETE STRENGTH: $f'_c=4,000$ psi @ 7 DAYS
- REINFORCING STEEL: ASTM A615 GRADE 60
- REFER TO SPECIFICATIONS AND SHEET 21 FOR SEWAGE FLOW REQUIREMENTS AND CONSTRUCTION PHASING.
- 4" DIA. MH BARREL, TOP SLAB, MANHOLE RING AND COVER (SD2101) NOT SHOWN FOR CLARITY. INCLUDE IN BID ITEM FOR JUNCTION BOX. SEE SHEET 20 FOR DETAIL.
- BOX INTERIOR SHALL BE COATED PER SECTION 920.4.6.2.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL	
CONTRACTOR	DATE	STAKE	DATE	NO.	DATE	NO.	DATE
CONTRACTOR: R.M.C. I. Inc.		STAKE: 11+00.00					
INSPECTOR: M. T. T. Inc.		STAKE: 11+00.00					
FIELD: M. T. T. Inc.		STAKE: 11+00.00					
CHECKED BY: M. T. T. Inc.		STAKE: 11+00.00					
RECORDED BY: M. T. T. Inc.		STAKE: 11+00.00					

RECORD DRAWING

THIS IS A RECORD DRAWING OF THE FACILITIES IDENTIFIED IN THE TITLE BLOCK ONLY AND HAS BEEN PREPARED IN PART ON THE BASIS OF INFORMATION OBTAINED AND FURNISHED BY OTHERS. THE ENGINEER/ARCHITECT AND OTHER(S) WILL NOT BE RESPONSIBLE FOR ANY ERROR(S) OR OMISSION(S) WHICH HAVE BEEN LIAISONED INTO THE RECORD DRAWING. ANY CONDITIONS WILL VARY SOMEWHAT FROM THE CONDITIONS SHOWN HEREON AND AT SOME LOCATIONS THE FACILITIES MAY BE LARGER, IF THE PRESENT LOCATION AND FACILITY IS REQUIRED, THE FACILITY SHOULD BE FIELD LOCATED IN THE PRESENCE OF AN EMPLOYEE OF THE DISTRICT OR THE OWNER(S) OF THE UTILITIES INVOLVED.

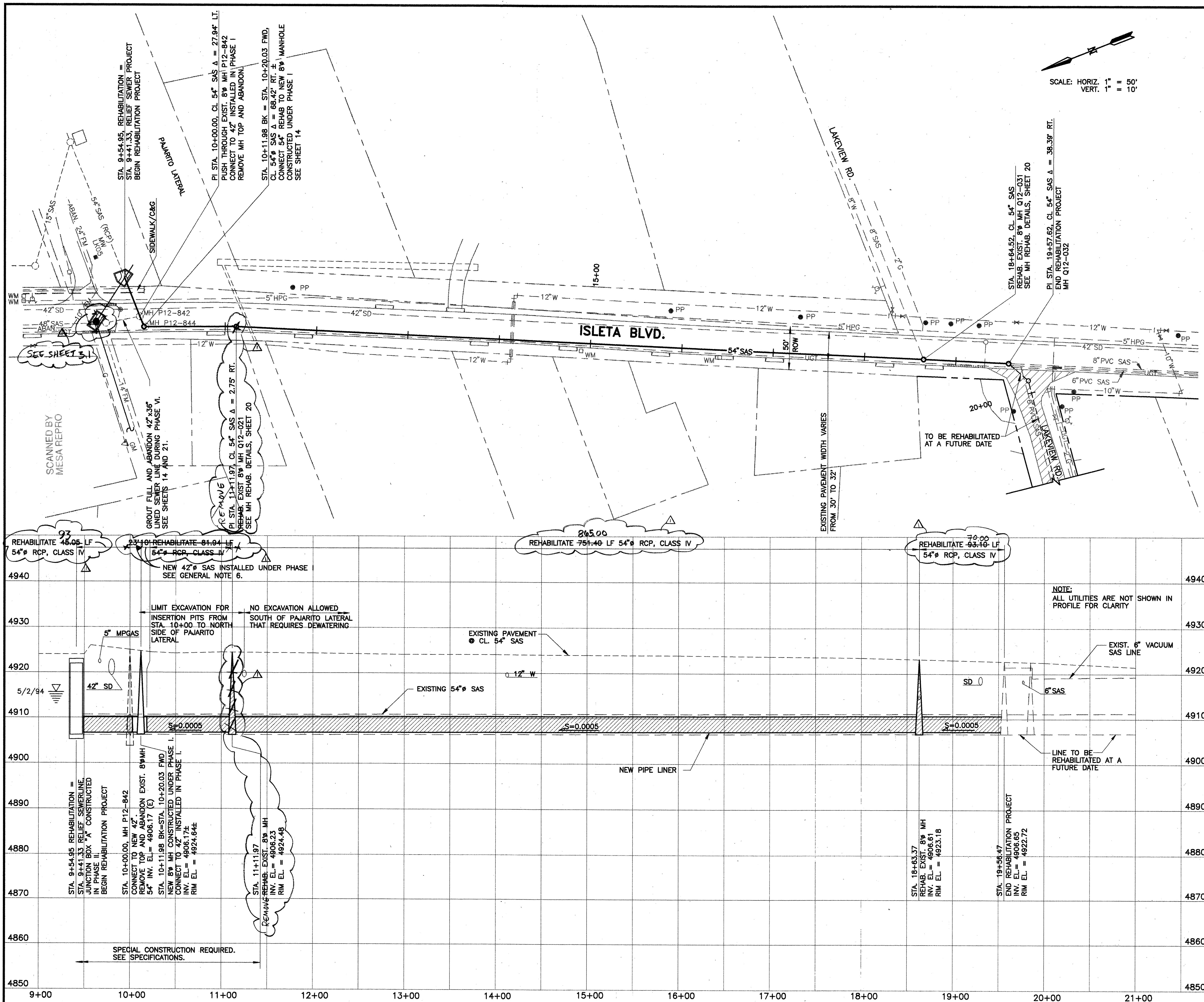
Boyle Engineering Corporation
consulting engineers
Suite 400
2400 LUTHER BLVD. N.E.
ALBUQUERQUE, NM 87110
(505) 883-7700

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE
JUNCTION BOX "C" PLANS AND DETAILS

DESIGN REVIEW COMMITTEE	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVE OCT 10 1996 DESIGN REVIEW COMMITTEE			

City Project No. 4314.94 Zone Map No. P-10 Sheet 17 of 28



GENERAL NOTES:

- SEDIMENT DEPTH IS ESTIMATED TO VARY FROM 12" TO 16" DEEP.
- REHABILITATION SHALL OCCUR ONLY AFTER LAKEVIEW RELIEF LINE IS PLACED IN SERVICE AND ACCEPTED BY THE CITY.
- ALL STATIONING THIS SHEET FOR REHABILITATION LINE UNLESS NOTED OTHERWISE.
- REFER TO SPECIFICATIONS AND SHEET 21 FOR SEWAGE FLOW REQUIREMENTS AND CONSTRUCTION PHASING.
- TWO LANES OF TRAFFIC MUST BE OPEN AT ALL TIMES IN ISLETA BOULEVARD. SEE TRAFFIC CONTROL SHEETS.
- WHERE SAS EXTENDS INTO NEW MANHOLE CONTRACTOR MAY EXTEND LINER, PROVIDED LINER STRENGTH IS COMPETENT FOR NEW INSTALLATION, OR MAY STOP LINER AT ABANDONED MANHOLES AND INSTALL NEW PIPE TO NEW MANHOLES.
- DEWATERING IS NOT ALLOWED FOR WORK PERFORMED ON THIS SHEET EXCEPT AS NOTED. SPECIAL CONSTRUCTION TECHNIQUES ARE REQUIRED FOR INSERTION PIT. SEE SPECIFICATIONS FOR SPECIAL CONSTRUCTION PROCEDURES.
- DEWATERING MAY BE USED FOR SERVICE CONNECTION LINE REINSTALLATION. DEWATERING RATE SHALL NOT EXCEED 600 GPM AND SHALL BE LIMITED TO A 48 HOUR TIME PERIOD. DO NOT BEGIN DEWATERING UNTIL OWNER APPROVAL IS RECEIVED. APPROVAL SHALL BE BASED ON INFORMATION GATHERED DURING CCTV INSPECTION. DISCHARGE DEWATERING TO 42" STORM DRAIN IN ISLETA BLVD.
- FOR MANHOLE REHABILITATION DETAILS SEE SHEET 20.

AS BUILT INFORMATION

CONTRACTOR	DATE	NO.
AS BUILT INFORMATION	2/95	1

BENCH MARKS

DATE	NO.	DESCRIPTION
2/95	1	ACS BRASS CAP "9-P12" SET FLUSH WITH EAST CURB 649± SOUTH OF CAMINO DEL VALLE SW. ELEV. 4926.16

SURVEY INFORMATION

DATE	NO.	DESCRIPTION
2/95	1	ALBUQUERQUE SURVEYING COMPANY, INC. 80615 SHTS. 1-11

ENGINEERS SEAL

REVISIONS

NO.	DATE	REVISIONS
1	2/23/98	AS-CONSTRUCTED
2	5/96	DESIGN

DESIGNED BY

KWW
 DATE 5/96

DRAWN BY

CAM
 DATE 5/96

CHECKED BY

WWW
 DATE 5/96

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP

TITLE:

LAKEVIEW INTERCEPTOR RELIEF SEWER LINE
 ISLETA BLVD. 54" RCP SEWERLINE REHABILITATION

APPROVED

OCT 10 1996
 DESIGN REVIEW COMMITTEE

City Project No.

4314.94

Zone Map No.

P-12

Sheet

18 of 28

BOREHOLE LOG (SOIL) PAGE 1 OF 2

FACILITY CODE Boyle Eng. LOCATION ID Lake 65

DRILLER CODE Geo-Test COMPLETION DATE 5-2-94

COORDINATES (FT): NORTH EAST DIAMETER (IN) 7.25

DEPTH (FT) 20.0 CONSTRUCTION METHOD B

GROUND ELEVATION (FT MSL) LOCATION TYPE BH

COMMENTS

LOGGING CODE RFW

LOCATION DESCRIPTION Across the street from 4021 Lake Blvd

GROUNDWATER LEVELS

DATE	TIME	DEPTH (FT)
5-2-94	0945	8.75

LITHOLOGIC LOG

DEPTH (FT)	USCS	VISUAL DESCRIPTION
0-2	SW	dk yell brn 10YR 4/6
2-4	SP	Med yell brn 10YR 5/4
4-5	SP	dk yell brn 10YR 4/6

CONSTRUCTION METHODS: A - AIR ROTARY, B - BORED OR AUGERED, C - CABLE TOOL, D - DUG, H - HYDRAULIC-ROTARY, J - JETTED

SAMPLE METHODS: A - AUGER CUTTINGS, S - 2" O.D. 1.38" I.D. DRIVE SAMPLE, U - 3" O.D. 2.42" I.D. TUBE SAMPLE, T - 3" O.D. THIN-WALLED SHELBY TUBE, O - OTHER (SPECIFY)

ACCEPTANCE CODES: A-ACCEPTABLE, R-RECONNAISSANCE, U-UNACCEPTABLE, N-NOT DETERMINED

COMPLETE SOIL LOG DATA FOR ENTRY INTO THIS FORM COMPLETED BY/DATE

BOREHOLE LOG (SOIL) PAGE 2 OF 2

FACILITY CODE Boyle Eng. LOCATION ID Lake 65

DRILLER CODE Geo-Test COMPLETION DATE 5-2-94

COORDINATES (FT): NORTH EAST DIAMETER (IN) 7.25

DEPTH (FT) 20.0 CONSTRUCTION METHOD B

GROUND ELEVATION (FT MSL) LOCATION TYPE BH

COMMENTS

LOGGING CODE RFW

LOCATION DESCRIPTION Across the street from 4021 Lake Blvd

GROUNDWATER LEVELS

DATE	TIME	DEPTH (FT)
5-2-94	0945	8.75

LITHOLOGIC LOG

DEPTH (FT)	USCS	VISUAL DESCRIPTION
5-10	SP	dk yell brn 10YR 4/6
10-15	SP	dk yell brn 10YR 4/6
15-20	SP	same as above

CONSTRUCTION METHODS: A - AIR ROTARY, B - BORED OR AUGERED, C - CABLE TOOL, D - DUG, H - HYDRAULIC-ROTARY, J - JETTED

SAMPLE METHODS: A - AUGER CUTTINGS, S - 2" O.D. 1.38" I.D. DRIVE SAMPLE, U - 3" O.D. 2.42" I.D. TUBE SAMPLE, T - 3" O.D. THIN-WALLED SHELBY TUBE, O - OTHER (SPECIFY)

ACCEPTANCE CODES: A-ACCEPTABLE, R-RECONNAISSANCE, U-UNACCEPTABLE, N-NOT DETERMINED

COMPLETE SOIL LOG DATA FOR ENTRY INTO THIS FORM COMPLETED BY/DATE

BOREHOLE LOG (SOIL) PAGE 1 OF 1

FACILITY CODE Boyle Eng LKV LOCATION ID LK 67

DRILLER CODE Geo-Test COMPLETION DATE 12/12/95

COORDINATES (FT): NORTH EAST DIAMETER (IN) 7.12

DEPTH (FT) 17

GROUND ELEVATION (FT MSL) CONSTRUCTION METHOD B

LOCATION TYPE BH

COMMENTS

LOGGING CODE RFW

LOCATION DESCRIPTION North side of access road along LaPadilla Drive north of Lakeview Dr

GROUNDWATER LEVELS

DATE	TIME	DEPTH (FT)
12/12/95	1036	10.3

LITHOLOGIC LOG

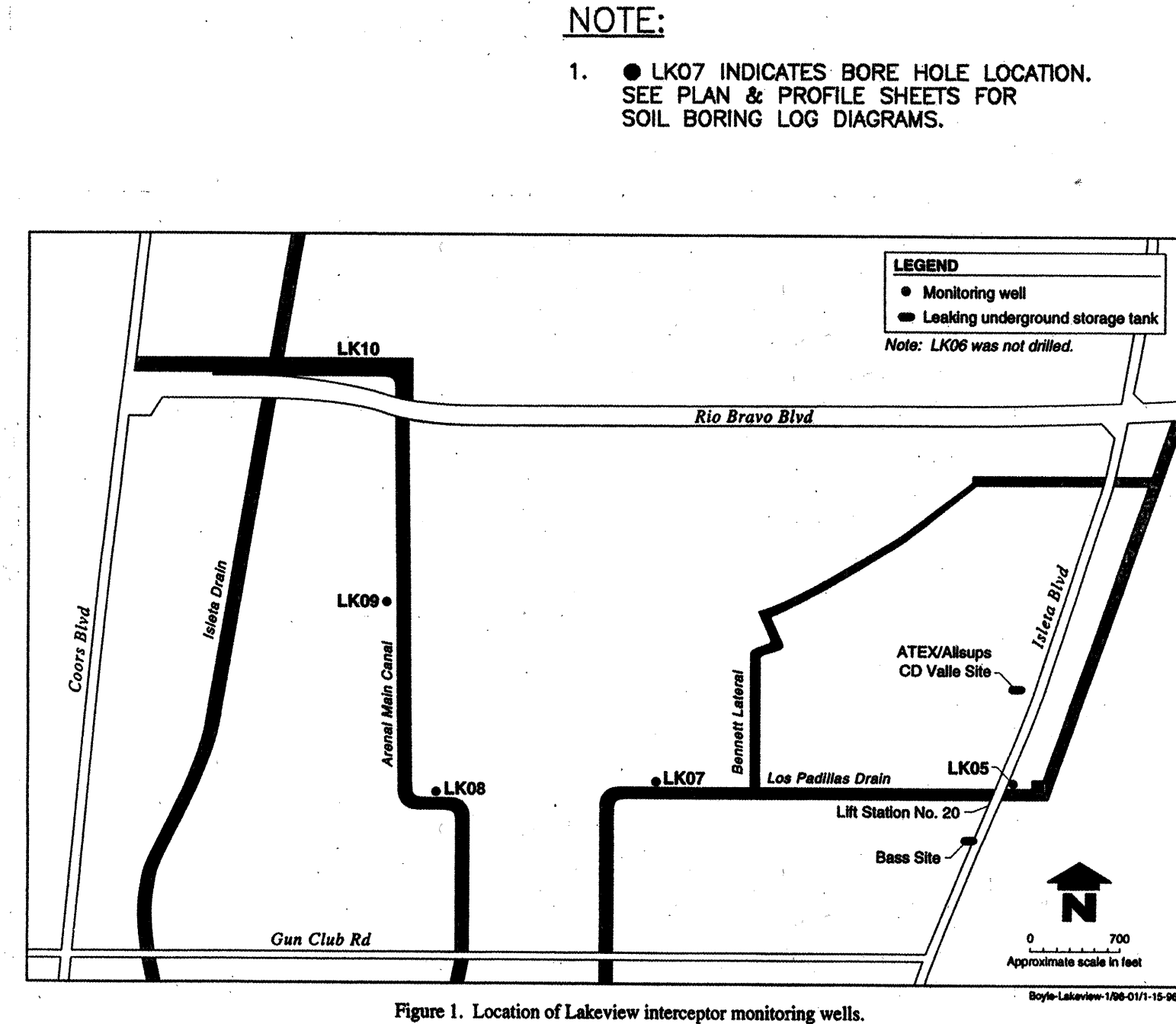
DEPTH (FT)	USCS	VISUAL DESCRIPTION
0-2	SM	dk yell brn 10YR 4/6 silty sand
2-5	SM	dk yell brn 10YR 4/6 silty sand
5-10	SM	dk yell brn 10YR 4/6 silty sand
10-15	SM	dk yell brn 10YR 4/6 silty sand

CONSTRUCTION METHODS: A - AIR ROTARY, B - BORED OR AUGERED, C - CABLE TOOL, D - DUG, H - HYDRAULIC-ROTARY, J - JETTED

SAMPLE METHODS: A - AUGER CUTTINGS, S - 2" O.D. 1.38" I.D. DRIVE SAMPLE, U - 3" O.D. 2.42" I.D. TUBE SAMPLE, T - 3" O.D. THIN-WALLED SHELBY TUBE, O - OTHER (SPECIFY)

ACCEPTANCE CODES: A-ACCEPTABLE, R-RECONNAISSANCE, U-UNACCEPTABLE, N-NOT DETERMINED

COMPLETE SOIL LOG DATA FOR ENTRY INTO THIS FORM COMPLETED BY/DATE



BOREHOLE LOG (SOIL) PAGE 1 OF 1

FACILITY CODE Boyle Eng LKV LOCATION ID LK 68

DRILLER CODE Geo-Test COMPLETION DATE 12/12/95

COORDINATES (FT): NORTH EAST DIAMETER (IN) 7.5

DEPTH (FT) 20

GROUND ELEVATION (FT MSL) CONSTRUCTION METHOD B

LOCATION TYPE BH

COMMENTS

LOGGING CODE RFW

LOCATION DESCRIPTION On the canal at the corner of Lakeview Dr. north of Lakeview Dr.

GROUNDWATER LEVELS

DATE	TIME	DEPTH (FT)
12/12/95	1036	12.6

LITHOLOGIC LOG

DEPTH (FT)	USCS	VISUAL DESCRIPTION
0-2	SM	Med brown 5YR 4/4 silty sand
2-5	SC	Med brown 5YR 4/4 silty sand
5-7	SMC	Med brown 5YR 4/4 silty sand
7-15	S	Med brown 5YR 4/4 silty sand

CONSTRUCTION METHODS: A - AIR ROTARY, B - BORED OR AUGERED, C - CABLE TOOL, D - DUG, H - HYDRAULIC-ROTARY, J - JETTED

SAMPLE METHODS: A - AUGER CUTTINGS, S - 2" O.D. 1.38" I.D. DRIVE SAMPLE, U - 3" O.D. 2.42" I.D. TUBE SAMPLE, T - 3" O.D. THIN-WALLED SHELBY TUBE, O - OTHER (SPECIFY)

ACCEPTANCE CODES: A-ACCEPTABLE, R-RECONNAISSANCE, U-UNACCEPTABLE, N-NOT DETERMINED

COMPLETE SOIL LOG DATA FOR ENTRY INTO THIS FORM COMPLETED BY/DATE

BOREHOLE LOG (SOIL) PAGE 1 OF 1

FACILITY CODE Boyle Eng LKV LOCATION ID LK 69

DRILLER CODE Geo-Test COMPLETION DATE 12/12/95

COORDINATES (FT): NORTH EAST DIAMETER (IN) 7.5

DEPTH (FT) 20

GROUND ELEVATION (FT MSL) CONSTRUCTION METHOD B

LOCATION TYPE BH

COMMENTS

LOGGING CODE RFW

LOCATION DESCRIPTION On the canal at the corner of Lakeview Dr. north of Lakeview Dr.

GROUNDWATER LEVELS

DATE	TIME	DEPTH (FT)
12/12/95	1036	12.6

LITHOLOGIC LOG

DEPTH (FT)	USCS	VISUAL DESCRIPTION
0-5	SM	Med yell brn 10YR 5/4
5-10	SM	Med yell brn 10YR 5/4
10-15	SM	Med yell brn 10YR 5/4
15-20	SM	Med yell brn 10YR 5/4

CONSTRUCTION METHODS: A - AIR ROTARY, B - BORED OR AUGERED, C - CABLE TOOL, D - DUG, H - HYDRAULIC-ROTARY, J - JETTED

SAMPLE METHODS: A - AUGER CUTTINGS, S - 2" O.D. 1.38" I.D. DRIVE SAMPLE, U - 3" O.D. 2.42" I.D. TUBE SAMPLE, T - 3" O.D. THIN-WALLED SHELBY TUBE, O - OTHER (SPECIFY)

ACCEPTANCE CODES: A-ACCEPTABLE, R-RECONNAISSANCE, U-UNACCEPTABLE, N-NOT DETERMINED

COMPLETE SOIL LOG DATA FOR ENTRY INTO THIS FORM COMPLETED BY/DATE

BOREHOLE LOG (SOIL) PAGE 1 OF 1

FACILITY CODE Boyle Eng LKV LOCATION ID LK 10

DRILLER CODE Geo-Test COMPLETION DATE 12/12/95

COORDINATES (FT): NORTH EAST DIAMETER (IN) 7.5

DEPTH (FT) 20

GROUND ELEVATION (FT MSL) CONSTRUCTION METHOD B

LOCATION TYPE BH

COMMENTS

LOGGING CODE RFW

LOCATION DESCRIPTION North of Rio Bravo and east of Canal Blvd along south access road at Lakeview Dr.

GROUNDWATER LEVELS

DATE	TIME	DEPTH (FT)
12/12/95	1036	12.6

LITHOLOGIC LOG

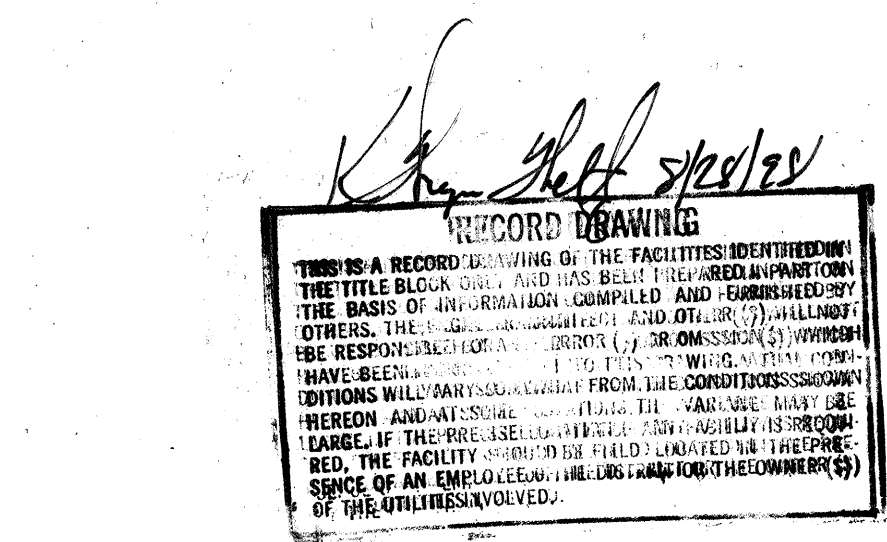
DEPTH (FT)	USCS	VISUAL DESCRIPTION
0-5	SM	Med yell brn 10YR 5/4 silty sand
5-10	SM	Med yell brn 10YR 5/4 silty sand
10-15	SM	Med yell brn 10YR 5/4 silty sand
15-20	SM	Med yell brn 10YR 5/4 silty sand

CONSTRUCTION METHODS: A - AIR ROTARY, B - BORED OR AUGERED, C - CABLE TOOL, D - DUG, H - HYDRAULIC-ROTARY, J - JETTED

SAMPLE METHODS: A - AUGER CUTTINGS, S - 2" O.D. 1.38" I.D. DRIVE SAMPLE, U - 3" O.D. 2.42" I.D. TUBE SAMPLE, T - 3" O.D. THIN-WALLED SHELBY TUBE, O - OTHER (SPECIFY)

ACCEPTANCE CODES: A-ACCEPTABLE, R-RECONNAISSANCE, U-UNACCEPTABLE, N-NOT DETERMINED

COMPLETE SOIL LOG DATA FOR ENTRY INTO THIS FORM COMPLETED BY/DATE



Boyle Engineering Corporation

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP

TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE SOIL BORING LOGS

DESIGN REVIEW COMMITTEE

City Engineer Approval

Mo./Day/Yr.

DESIGNED BY: MMW

DRAWN BY: MMW

CHECKED BY: KWW

DATE: 5/96

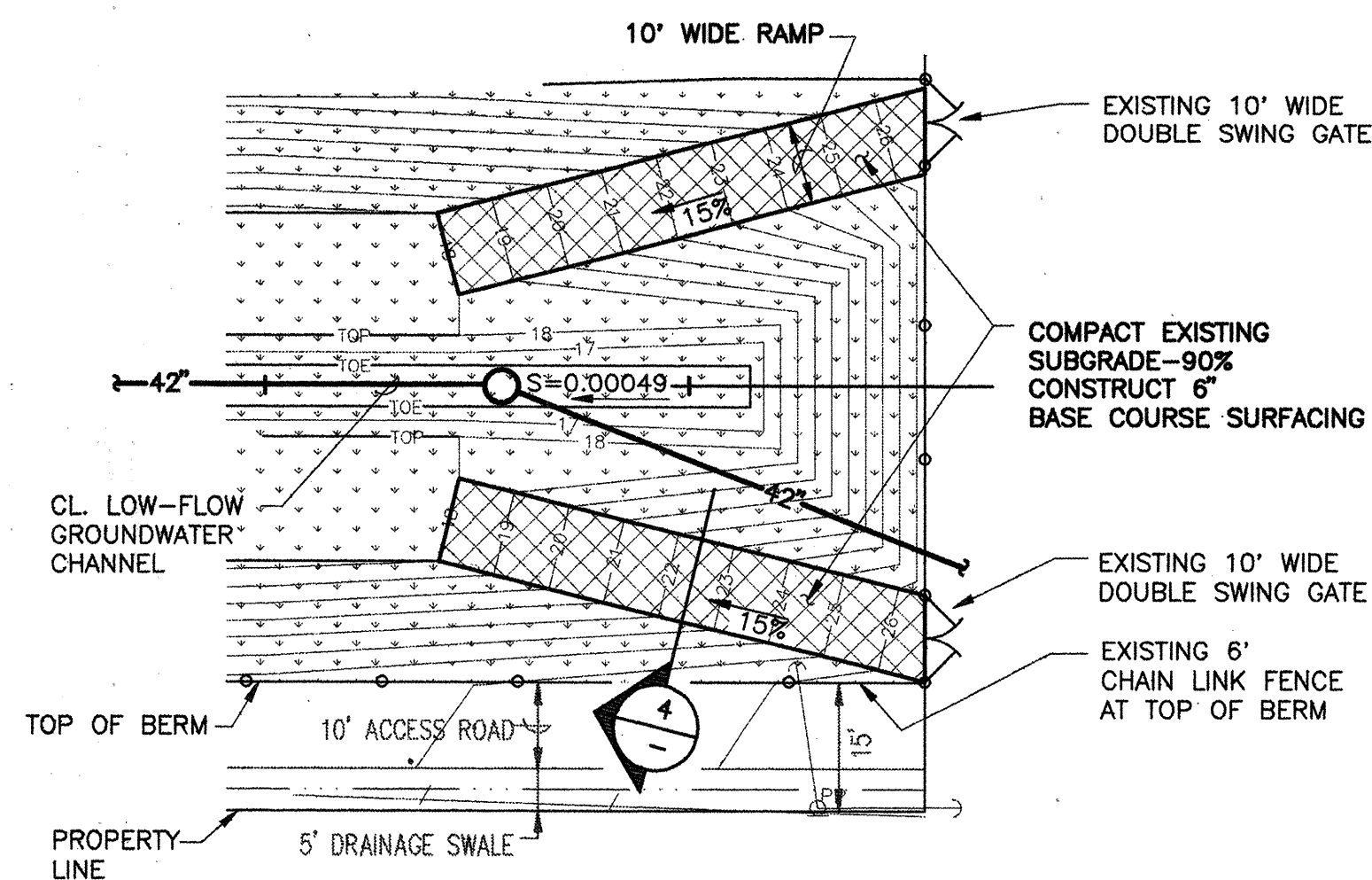
DATE: 5/96

DATE: 5/96

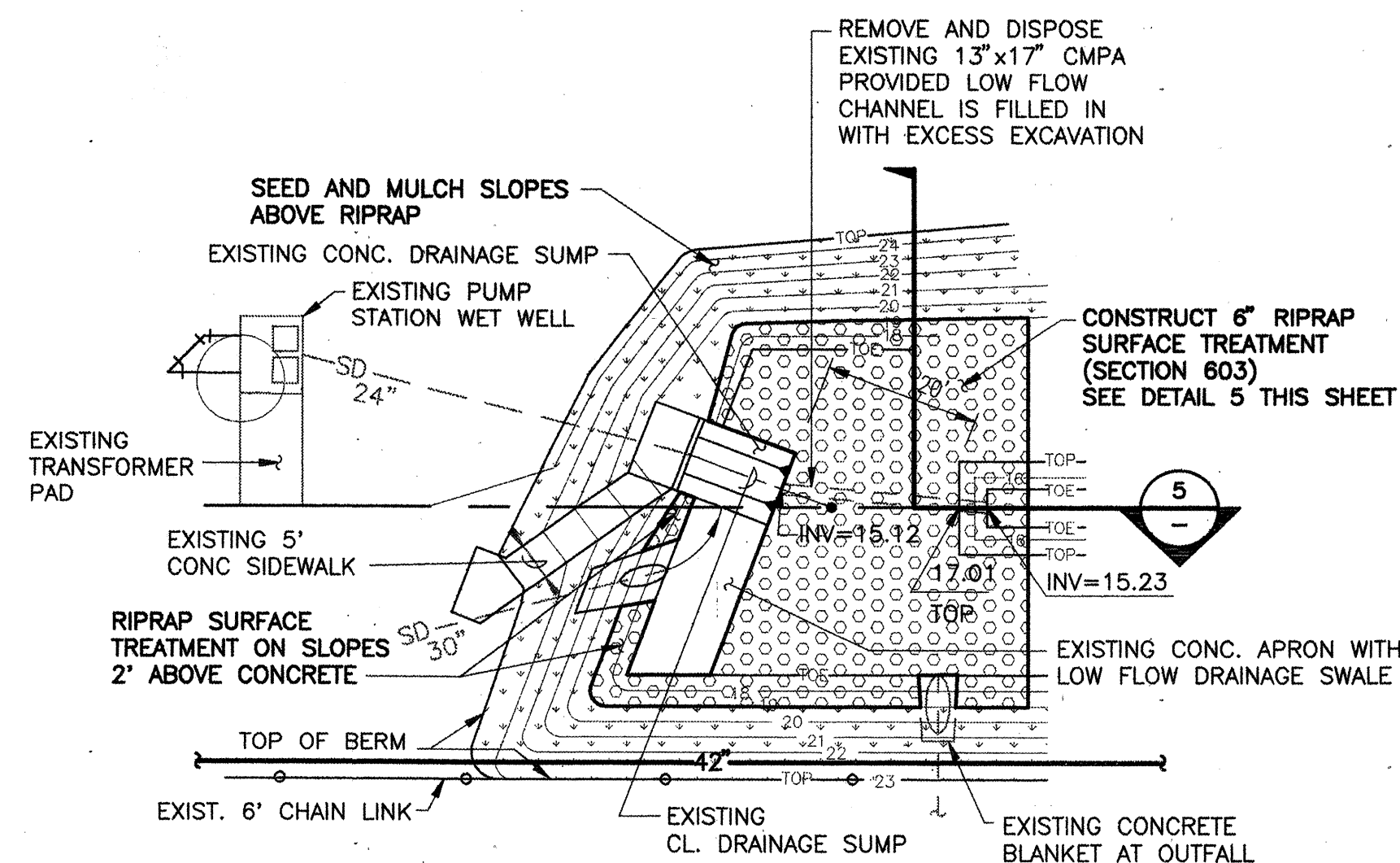
City Project No. 4314.94

Zone Map No.

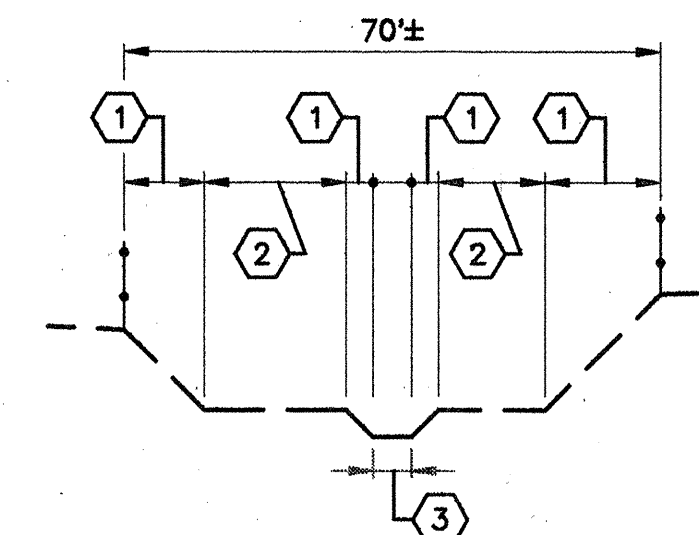
Sheet 19 of 28



1
5 DETAIL 1 (WEST END IMPROVEMENTS)
SCALE: 1"=20'

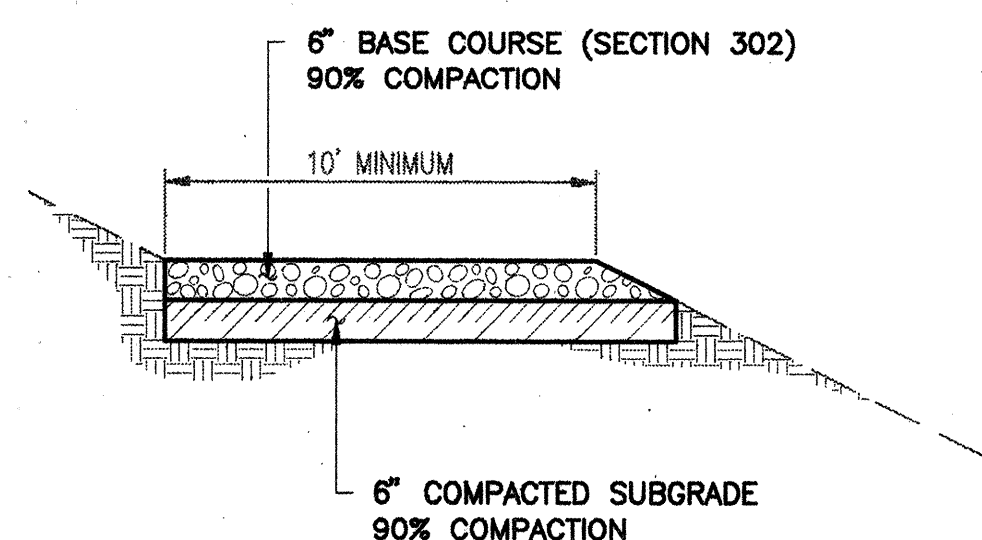


2
3 DETAIL 2 (EAST END IMPROVEMENTS)
SCALE: 1"=20'

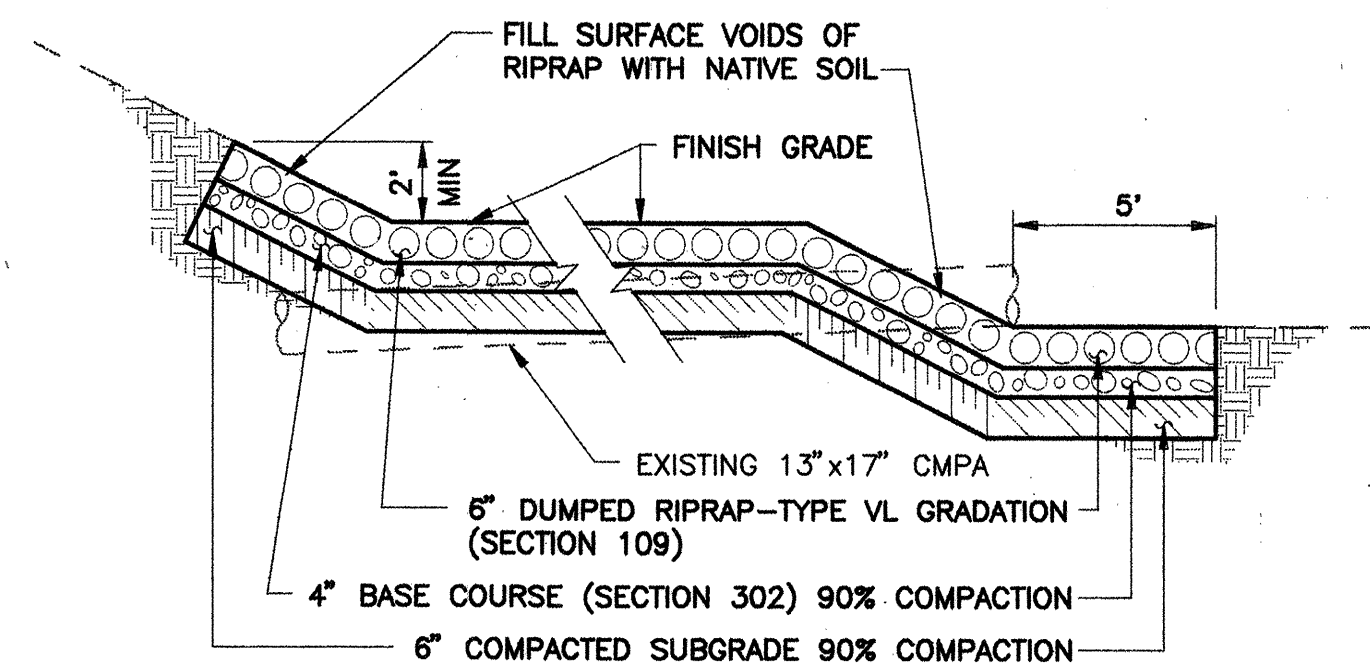


- KEYED NOTES
- 1 NATIVE GRASS SEEDING WITH GRAVEL MULCH-ALL SLOPED AREAS GREATER THAN 10% (10H:IV)
 - 2 NATIVE GRASS SEEDING WITH HAY MULCH-ALL AREAS LESS THAN 10%
 - 3 LOW FLOW CHANNEL BOTTOM DOES NOT REQUIRE SEEDING UNLESS FILLED IN WITH EXCESS EXCAVATION.
- NATIVE GRASS SEED SHALL COMPLY WITH COA STD SPECIFICATION SECTION 1012.4.1.2

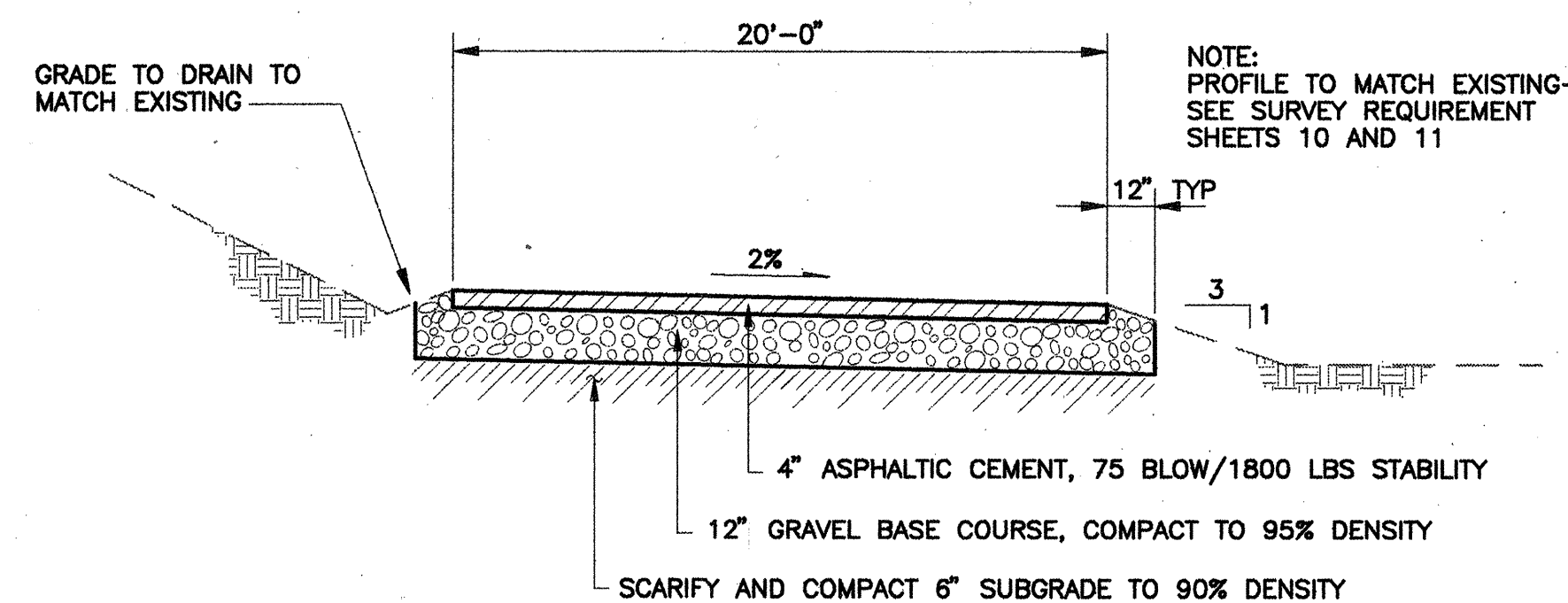
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3,4,5 TYPICAL NATIVE GRASS SEEDING SECTION
NOT TO SCALE



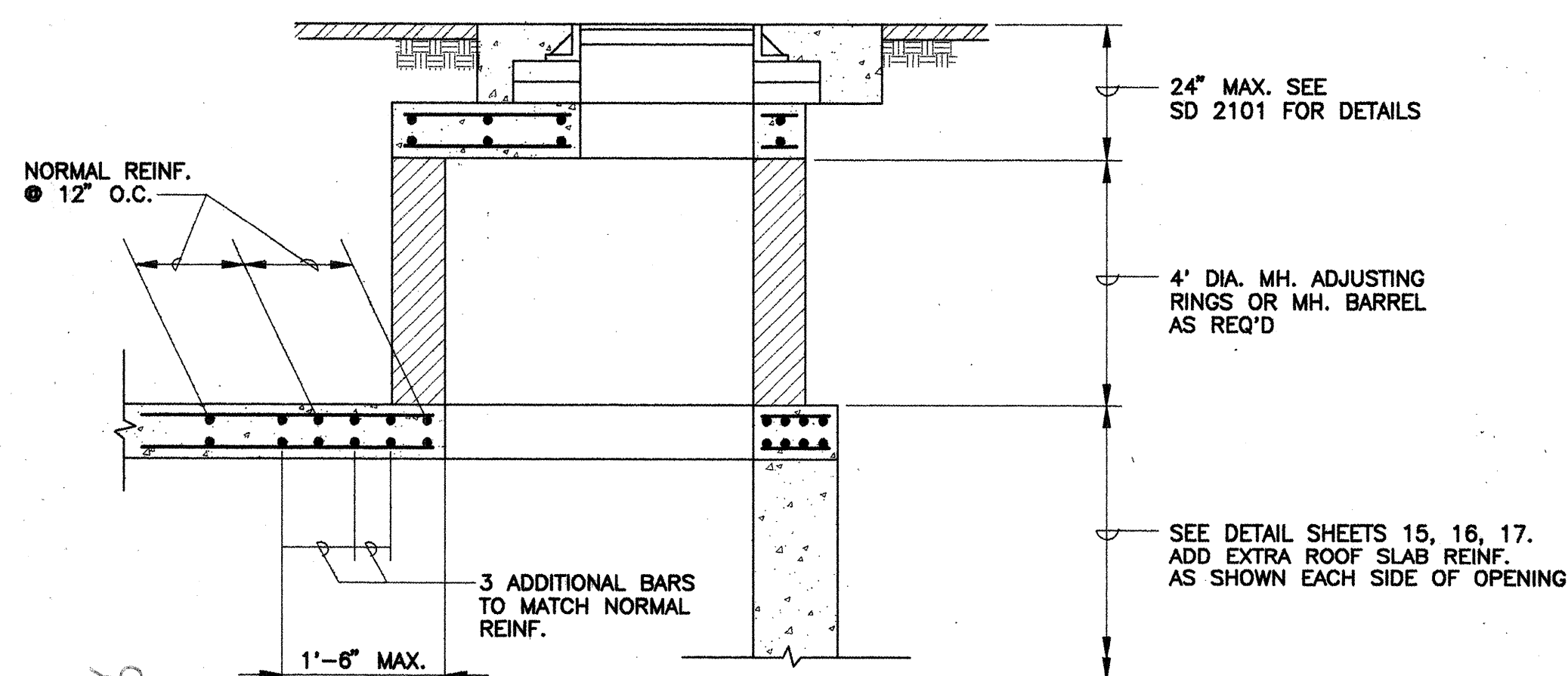
4
- TYPICAL SECTION RAMP PAVING
NOT TO SCALE



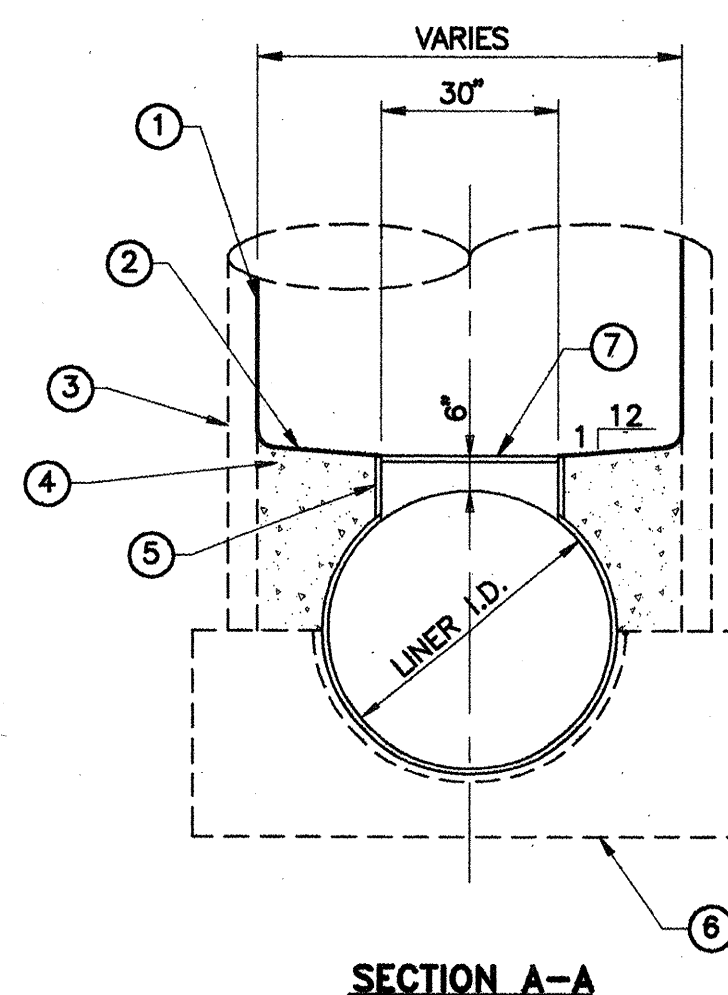
5
- TYPICAL SECTION
RIPRAP SURFACE TREATMENT
NOT TO SCALE



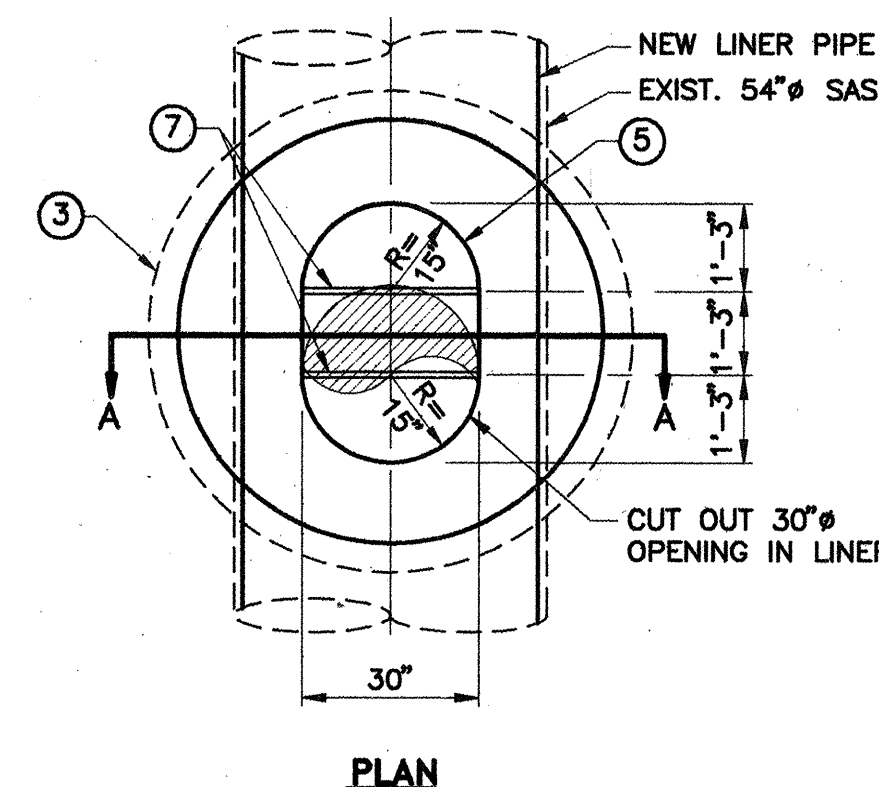
6
3,4,5,6 ALLEY/RIO BRAVO BOULEVARD (SHOWN)
ACCESS ROAD SECTION
NOT TO SCALE



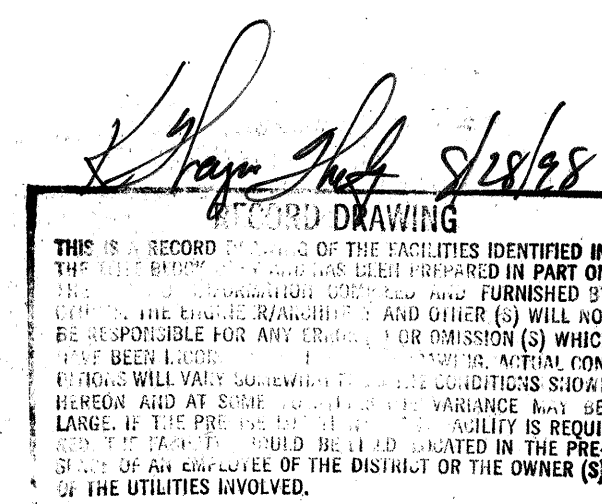
7
15,16,17 JUNCTIONBOX MH DETAIL
NOT TO SCALE



8
18 MANHOLE REHABILITATION DETAIL
NOT TO SCALE



- KEYED NOTES:
1. COAT INSIDE OF MANHOLE. REFER TO SUPPLEMENTAL TECHNICAL SPECIFICATIONS, SECTION 930.14.
 2. NEW CONCRETE BENCH.
 3. EXISTING MANHOLE
 4. NEW GROUT SHELVES TO THE TOP OF FIELD WELD CUTOUT RING.
 5. FIELD WELD CUTOUT RING TO LINER; RING SHALL BE SAME MATERIAL AS LINER.
 6. EXISTING BASE.
 7. 1" PVC REMOVEABLE SPREADER BAR (TYP)



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CONSULTING ENGINEERS
Suite 606
2450 CENTRAL BLVD. N.E.
ALBUQUERQUE, NM 87106
(505) 883-7700

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE MISC. SECTIONS AND DETAILS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./Day/Yr.	Mo./Day/Yr.
APPROVE			
DESIGN REVIEW COMMITTEE			
CITY PROJECT NO.	4314.94	Zone Map No.	Sheet 20 of 28

SCANNED BY
MESA REPRO

- CONSTRUCTION PHASING:

PHASED CONSTRUCTION IS NECESSARY TO ACCOMPLISH WORK REQUIRED BY THIS CONTRACT. PHASING IS INTENDED TO MINIMIZE TRAFFIC DISRUPTION WITHIN ISLETA BOULEVARD AND COORS BOULEVARD. CONTRACTOR SHALL PERFORM WORK REGULARLY WHILE DETOURS ARE IN OPERATION. PHASED WORK DESCRIBED HEREIN NEED NOT BE ACCOMPLISHED IN A LINEAR MANNER, AND CAN BE REARRANGED OR ACCOMPLISHED SIMULTANEOUSLY. THE 42" RELIEF SEWER LINE CONSTRUCTION MAY BE ACCOMPLISHED PRIOR TO, OR SIMULTANEOUS WITH, JUNCTION BOX CONSTRUCTION, HOWEVER, SEWER LINE INSTALLATIONS REQUIRING STREET CLOSURE SHALL BE ACCOMPLISHED DURING JUNCTION BOX CONSTRUCTION TO AVOID UNNECESSARY AND MULTIPLE CLOSURES AT THE SAME STREET LOCATION. PHASING CHANGES FROM WHAT IS SHOWN ON THESE DRAWINGS SHALL BE APPROVED BY THE CITY PRIOR TO BEGINNING WORK.

- PHASE I:
1. CONSTRUCT SHOOFLY AROUND JUNCTION BOX "B" ISLETA BOULEVARD WORK AREA. INSTALL TRAFFIC CONTROL TO DIRECT TRAFFIC ONTO SHOOFLY. SEE PHASE I TRAFFIC CONTROL PLAN.
 2. CONSTRUCT JUNCTION BOX "B" LOCATED IN ISLETA BOULEVARD.
 3. INSTALL 48" SEWER LINE FROM JUNCTION BOX "B" WEST, OUT OF ISLETA BOULEVARD RIGHT OF WAY TOWARD PROJECT TERMINUS AT COORS BOULEVARD AND RIO BRAVO BOULEVARD.
 4. INSTALL 48" SEWER LINE FROM JUNCTION BOX "B" TOWARD JUNCTION BOX "A" AS CLOSE TO SHOOFLY AS PERMISSIBLE.
 5. BYPASS PUMP OR SHOOFLY SEWAGE AROUND MANHOLE VAULT MH P12-844. CONSTRUCT 8' DIAMETER MANHOLE NORTH OF EXISTING MH P12-844 AT THEORETICAL EXTENSION OF THE EXISTING 54" SEWER LINE SOUTH AND THE EXISTING 54" SEWER LINE EAST OF MH P12-844. REMOVE MH P12-844 AS REQUIRED. INSTALL 23' OF SEWER LINE FROM NEW 8' MANHOLE EAST AND TIE TO MH P12-842. INSTALL 10' OF SEWER LINE SOUTH AND TIE TO EXISTING 54" PIPE. LARGER PIPE MAY BE INSTALLED TO FACILITATE LINING DURING REHAB. SEE SHEET 18.
 6. KEEP ALL EXISTING SEWER AND UTILITY LINES IN SERVICE.
 7. REPAVE EXCAVATED AREA IN ISLETA BOULEVARD WITH PERMANENT PATCH.
 8. DEWATERING NOT ALLOWED EAST OF STA. 13+17.46. SPECIAL CONSTRUCTION PROCEDURES REQUIRED. SEE SPECIFICATION SECTION 702.

- PHASE II:
1. INSTALL TRAFFIC CONTROL TO DIRECT ISLETA BOULEVARD TRAFFIC TO TWO WAY TRAFFIC WITHIN WEST HALF OF STREET SECTION. SEE PHASE II TRAFFIC CONTROL PLAN.
 2. REMOVE SHOOFLY DETOUR, MRGCD TEMPORARY ACCESS, AND RESTORE AREA TO ORIGINAL GRADE.
 3. CONSTRUCT JUNCTION BOX "A".
 4. CONTINUE 48" SEWER LINE INSTALLATION FROM PHASE I TO JUNCTION BOX "A" AND INSTALL 72" STUBOUT TOWARD SOUTHEAST. CONTINUE 48" SEWERLINE WEST FROM PHASE I.
 5. DEWATERING NOT ALLOWED EAST OF STA. 13+17.46. SPECIAL CONSTRUCTION PROCEDURES REQUIRED. SEE SPECIFICATION SECTION 702.
 6. KEEP ALL EXISTING SEWER AND UTILITY LINES IN SERVICE.
 7. REPLACE SIDEWALK, CURB AND GUTTER REMOVED FOR SHOOFLY CONSTRUCTION
 8. REPAVE EXCAVATED AREAS IN ISLETA BOULEVARD WITH PERMANENT PATCH.

- PHASE III:
1. INSTALL TRAFFIC CONTROL TO DIRECT COORS BOULEVARD TRAFFIC TO TWO WAY TRAFFIC WITHIN WEST HALF OF STREET SECTION. SEE PHASE III TRAFFIC CONTROL PLAN.
 2. REMOVE EXISTING RAISED MEDIAN AND REPLACE WITH PERMANENT PAVEMENT.
 3. INSTALL 36" SEWER LINE ACROSS COORS BOULEVARD AS CLOSE TO DETOUR TRAFFIC AS PERMISSIBLE.
 4. REPAVE EXCAVATED AREA WITH PERMANENT PATCH.
 5. ALLOWABLE CONSTRUCTION PERIOD LIMITED TO 5 DAYS.

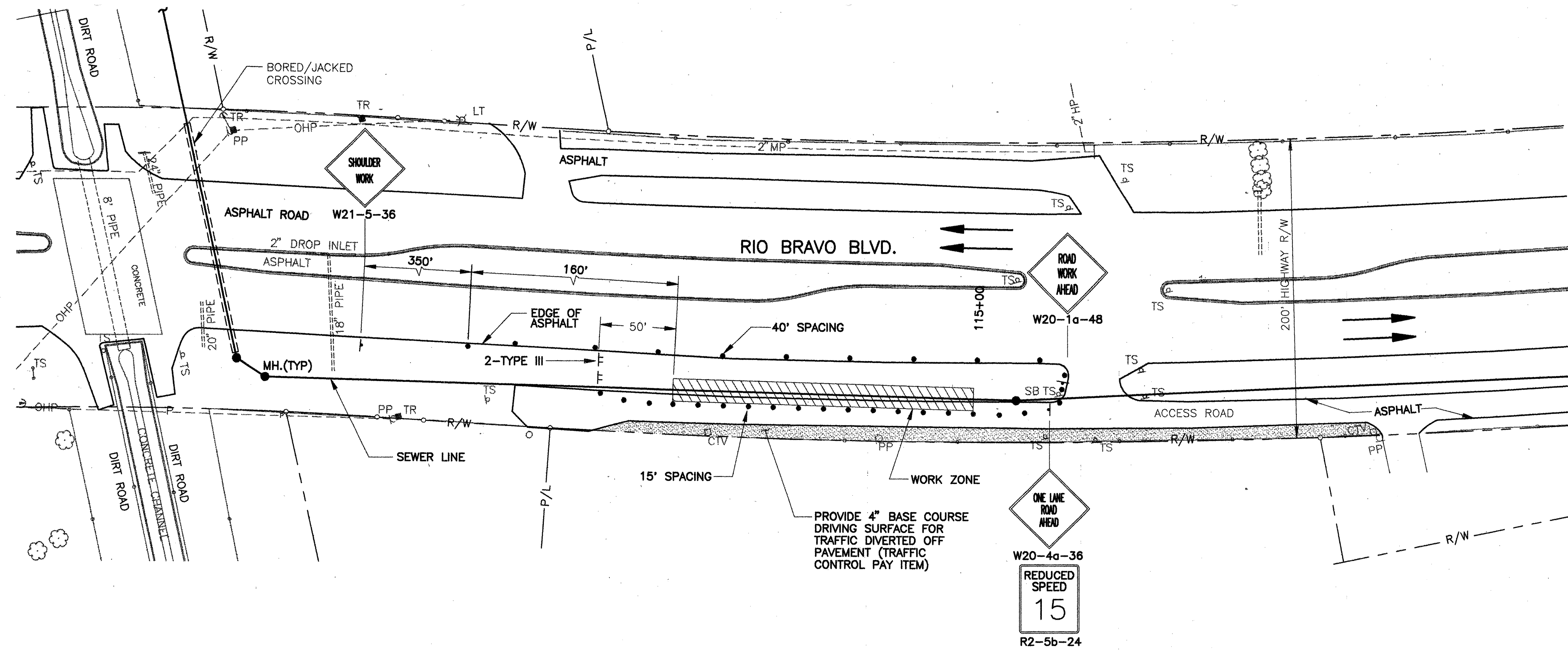
- PHASE IV:
1. INSTALL TRAFFIC CONTROL TO DIRECT COORS BOULEVARD TRAFFIC TO TWO WAY TRAFFIC, NORTH BOUND TRAFFIC IN OUTSIDE LANE OF EAST HALF OF STREET AND SOUTH BOUND TRAFFIC IN OUTSIDE LANE OF WEST HALF OF STREET. SEE PHASE IV TRAFFIC CONTROL PLAN.
 2. CONTINUE INSTALLATION OF 36" SEWER LINE FROM PHASE III ACROSS COORS BOULEVARD NORTHWESTERLY AS CLOSE TO TRAFFIC DETOUR AS PERMISSIBLE.
 3. REPAVE EXCAVATED AREA WITH PERMANENT PATCH.
 4. ALLOWABLE CONSTRUCTION PERIOD LIMITED TO 3 DAYS.

- PHASE V:
1. INSTALL TRAFFIC CONTROL TO DIRECT COORS BOULEVARD TRAFFIC TO TWO WAY TRAFFIC WITHIN EAST HALF OF STREET SECTION. SEE PHASE V TRAFFIC CONTROL PLAN.
 2. CONTINUE 36" SEWER LINE INSTALLATION FROM PHASE IV ACROSS COORS BOULEVARD TO JUNCTION BOX "C."
 3. CONSTRUCT JUNCTION BOX "C."
 4. BYPASS PUMP OR SHOOFLY SEWAGE TO CONSTRUCT WEIR IN JUNCTION BOX "C."
 5. TEST AND OBTAIN APPROVAL TO PLACE THE INTERCEPTOR RELIEF SEWER LINE INTO SERVICE FROM JUNCTION BOX "B" TO JUNCTION BOX "C" IF NOT ALREADY DONE FOR DEWATERING DISCHARGE.
 6. WITHIN TWO WEEKS PRIOR TO WORK CESSATION IN COORS BOULEVARD, GIVE NOTICE TO BERNALILLO COUNTY'S RIO BRAVO WEST EXTENSION CONTRACTOR THAT WORK WILL BE COMPLETED.
 7. CONTINUE DETOUR UNTIL PHASE VI ACTIVITIES ARE COMPLETE.
 8. ALLOWABLE CONSTRUCTION PERIOD IS LIMITED TO 28 DAYS.

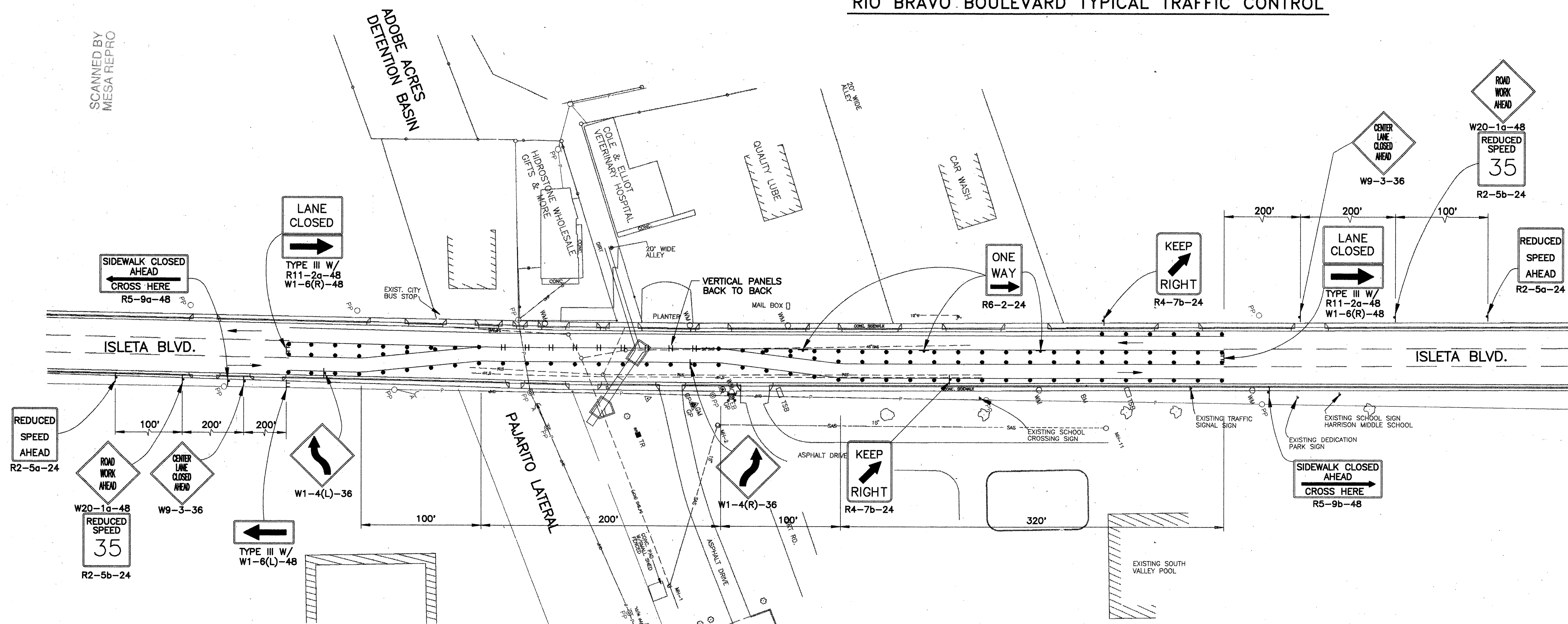
- PHASE VI:
1. INSTALL TRAFFIC CONTROL TO CLOSE ISLETA BOULEVARD CONTINUOUS TURN LANE TRAFFIC AND REDUCE NORTH AND SOUTH BOUND TRAFFIC LANE WIDTHS TO 11 FEET. SEE PHASE VI TRAFFIC CONTROL PLAN.
 2. BREAK INTO THE NORTH SIDE OF THE EXISTING 54" SEWER LINE INSIDE JUNCTION BOX "A."
 3. BREAK OUT EXISTING 48"-W/36"-LINER SEWER LINE IN JUNCTION BOX "B."
 4. GROUT 48"-W/36"-LINER SEWER LINE EXITING SOUTH FROM JUNCTION BOX "B" TO EXIST. MH P12-842.
 5. PLACE INTERCEPTOR RELIEF SEWER LINE INTO SERVICE BY DIVERTING ALL FLOW INTO THE NEW RELIEF SEWER AT JUNCTION BOX "C." PROVIDE TEMPORARY PLUG IN THE 42" LINE EXITING JUNCTION BOX "C" TO THE SOUTH.
 6. REMOVE AND REPLACE, EXISTING 42" SEWER LINE FROM JUNCTION BOX "C" SOUTH TO MH P10-71.
 7. REPAVE EXCAVATED AREA IN COORS BOULEVARD WITH PERMANENT PATCH.
 8. ONLY UPON RECEIPT OF CITY NOTICE TO PROCEED, MILL AND OVERLAY COORS BOULEVARD (OCCURS ONLY IF RIO BRAVO WEST EXTENSION NOT UNDER CONSTRUCTION).
 9. INSTALL LANE STRIPING IN COORS BOULEVARD (OCCURS ONLY IF RIO BRAVO WEST EXTENSION NOT UNDER CONSTRUCTION).
 10. RETURN COORS BOULEVARD AND ISLETA BOULEVARD TRAFFIC TO NORMAL PRECONSTRUCTION TRAFFIC FLOW.

- PHASE VII:
1. INSTALL TRAFFIC CONTROL TO DIRECT ISLETA BOULEVARD TRAFFIC TO TWO WAY TRAFFIC WITHIN EAST HALF OF STREET SECTION. SEE PHASE II TRAFFIC CONTROL PLAN FOR SIMILAR DETOUR.
 2. PLUG EXISTING 54" EXITING JUNCTION BOX "A" TO WEST.
 3. SLIP LINE 54" IN ISLETA BOULEVARD FROM JUNCTION BOX "A" SOUTH TO LAKEVIEW ROAD.
 4. REMOVE TEMPORARY PLUG IN JUNCTION BOX "C."
 5. REPAVE EXCAVATED AREAS WITH PERMANENT PATCH.
 6. MILL AND OVERLAY ISLETA BOULEVARD.
 7. DEWATERING NOT ALLOWED EAST OF STA. 13+17.46. SPECIAL CONSTRUCTION PROCEDURES REQUIRED. SEE SPECIFICATION SECTION 702.

 Boyle Engineering Corporation consulting engineers Suite 606 1425 UPTOWN BLVD. N.E. ALBUQUERQUE, NM 87110 (505) 863-7700		RECORD DRAWING THIS IS A RECORD DRAWING OF THE FACILITIES IDENTIFIED ON THE TITLE BLOCK HEREIN AND HAS BEEN PREPARED IN PART ON THE BASIS OF INFORMATION AND DATA FURNISHED BY THE DISTRICT ENGINEER, RAINBOW BOY AND OTHER(S) WHO WILL BE RESPONSIBLE FOR ANY ERROR(S) OR OMISSION(S) WHICH HAVE BEEN INCORPORATED INTO THE DRAWING. ANY CONDITIONS WILL VARY SOMEWHAT FROM THE CONDITIONS SHOWN HEREON AND AT SOME FUTURE DATE THE CHANGES MAY BE MADE AND AT SOME FUTURE DATE THE CHANGES MAY BE MADE. THE FACILITY SHOULD BE FIELD LOCATED IN THE PRESENCE OF AN EMPLOYEE OF THE DISTRICT OR THE OWNER OF THE UTILITIES INVOLVED.				ENGINEERS SEAL		SURVEY INFORMATION FIELD NOTES NO. _____ DATE _____		BENCH MARKS		AS BUILT INFORMATION CONTRACTOR <i>R.M.C.I. Inc.</i> STACKED BY <i>M. Tenorio</i> INSPECTOR'S FIELD VERIFICATION BY <i>M. Tenorio</i> CORRECTED BY <i>Boyle Eng'r</i> MICRO-FILM INFORMATION RECORDED BY _____ DATE _____ NO. _____	
				REVISIONS DESIGN DESIGNED BY KWW DATE 5/96 DRAWN BY CAL DATE 5/96 CHECKED BY WWW DATE 5/96									
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP													
TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE ISLETA BLVD. TRAFFIC CONTROL PLAN CONSTRUCTION PHASING & TRAFFIC CONTROL GENERAL NOTES													
Design Review Committee 				City Engineer Approval _____ _____				Last Design Update _____		Mo./Day/Yr. _____		Mo./Day/Yr. _____	
City Project No. 4314.94				Zone Map No. P-12				Sheet 21 of 28		Sheet 21 of 28			



RIO BRAVO BOULEVARD TYPICAL TRAFFIC CONTROL



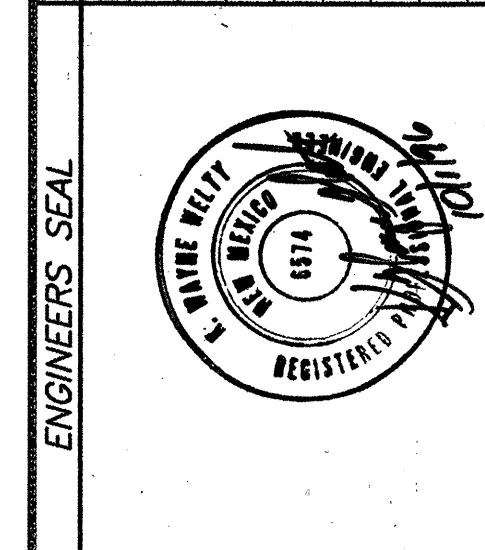
ISLETA BLVD.
LAKEVIEW INTERCEPTOR RELIEF SEWER LINE
NORTH BOUND CLOSURE PLAN PHASE II

RIO BRAVO BLVD. NOTES

1. TRAFFIC CONTROL TYPICAL FOR PARALLEL AND BORED/JACKED CROSSING.
2. SEE SHEETS 24-26 FOR RIO BRAVO/COORS BLVD. INTERSECTION TRAFFIC CONTROL.
3. MAINTAIN ACCESS TO RESIDENCES AT ALL TIMES EXCEPT WHEN WORKING IN DRIVEWAY. DRIVEWAY WORK SHALL BE COMPLETED AND ACCESS RESTORED PRIOR TO END OF WORKDAY.
4. FLAGGER MAY BE USED AT CONTRACTOR'S OPTION TO CONTROL TRAFFIC ON ACCESS ROAD.
5. TRENCH EXCAVATION SHALL BE PLACED BETWEEN RIO BRAVO BLVD. AND OPEN TRENCH.

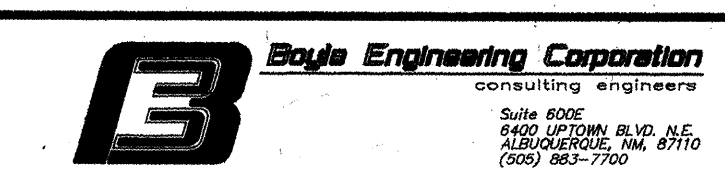
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RECORDED BY	DATE
NO.	

SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	



REVISIONS	
NO.	DATE
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

Wayne Kelly 8/28/96
RECORD DRAWING
 THIS IS A RECORD DRAWING OF THE PLATES IDENTIFIED IN THE TITLE BLOCK AND HAS BEEN PREPARED IN PART ON THE BASIS OF INFORMATION OBTAINED AND FURNISHED BY THE FIELD ENGINEER AND OTHER (S) WHO WILL NOT BE RESPONSIBLE FOR ANY ERRORS (S) OR OMISSION (S) WHICH MAY BE MADE IN THIS DRAWING. THE FIELD ENGINEER AND OTHER (S) SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY VIOLATION IS REQUIRED. THE FIELD ENGINEER SHOULD BE FIELD LOCATED IN THE PRESENCE OF AN EMPLOYEE OF THE DISTRICT OR THE OWNER (S) OF THE FACILITIES INVOLVED.



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE
ISLETA BLVD. TRAFFIC CONTROL PLAN-PHASE II
RIO BRAVO BLVD. TYPICAL TRAFFIC CONTROL

Design Review Committee: APPROVED OCT 10 1996

City Engineer Approval: [Signature]

City Project No. 4314.94

Zone Map No. P-12

Sheet 23 of 28

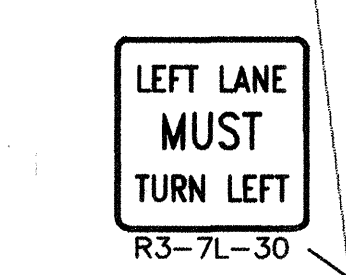
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	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

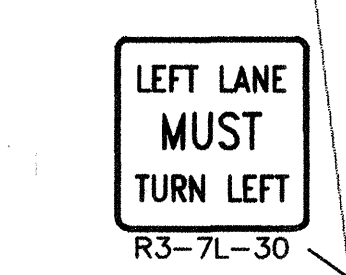
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UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

<u>SPEED LIMIT</u>	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
 W = WIDTH OF OFFSET IN FEET
 S = POSTED SPEED OR OFF-PEAK
 85-PERCENTILE SPEED IN MPH



LEFT LANE
MUST
TURN LEFT
R3-7L-30



LEFT LANE
MUST
TURN LEFT
R3-7L-30

LEFT LANE
MUST
TURN LEFT
R3-7L-30

LEFT LANE
MUST
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LEFT LANE
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R3-7L-30

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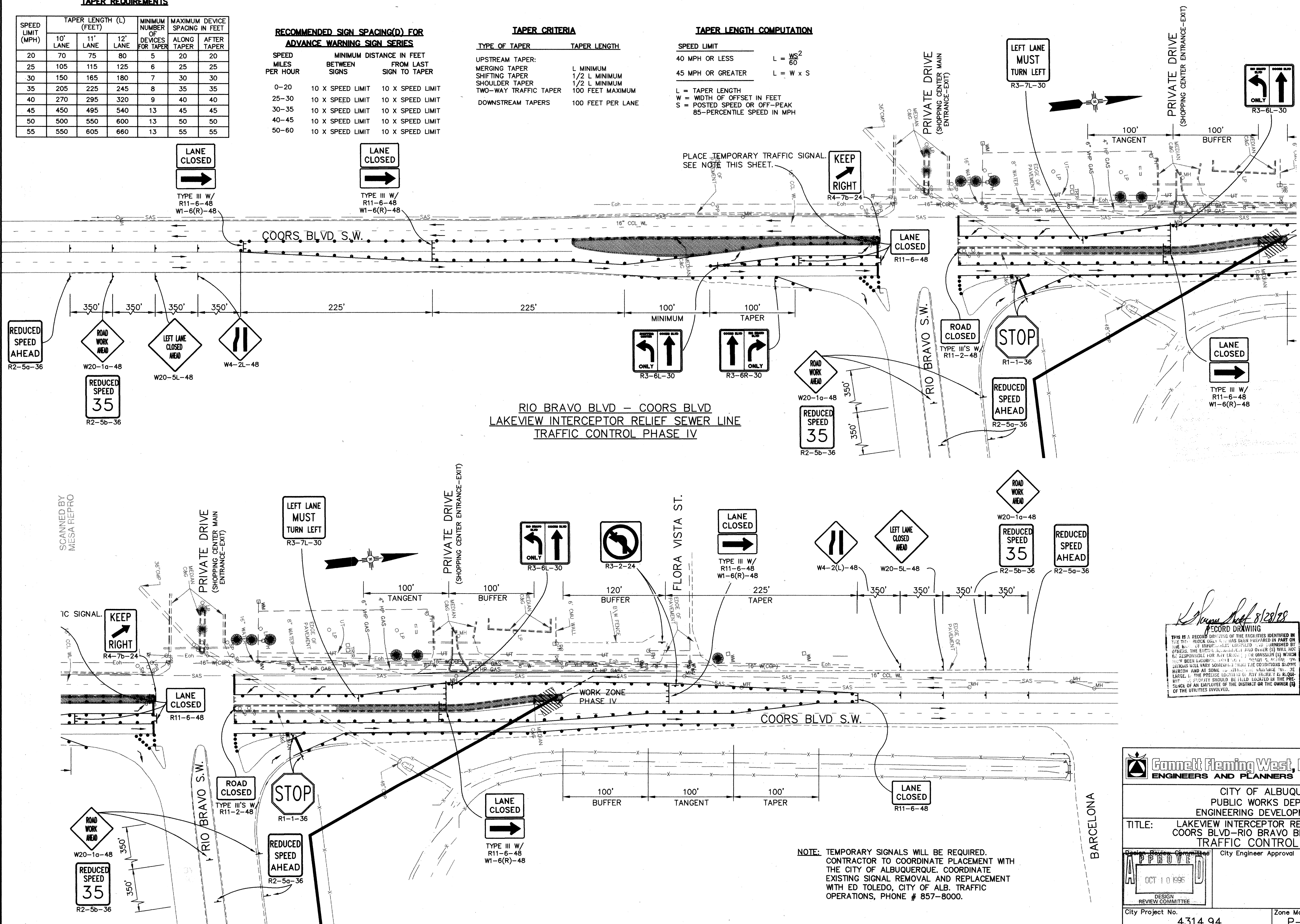
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<u>TYPE OF TAPER</u>	<u>TAPER LENGTH</u>
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L = TAPER LENGTH
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 85-PERCENTILE SPEED IN MPH



NOTE: TEMPORARY SIGNALS WILL BE REQUIRED. CONTRACTOR TO COORDINATE PLACEMENT WITH THE CITY OF ALBUQUERQUE. COORDINATE EXISTING SIGNAL REMOVAL AND REPLACEMENT WITH ED TOLEDO, CITY OF ALB. TRAFFIC OPERATIONS, PHONE # 857-8000.



Gannett Fleming West, Inc.
ENGINEERS AND PLANNERS

CITY OF ALBUQUERQUE	
PUBLIC WORKS DEPARTMENT	
ENGINEERING DEVELOPMENT GROUP	
TITLE:	LAKEVIEW INTERCEPTOR RELIEF SEWER LINE COORS BLVD-RIO BRAVO BLVD INTERSECTION TRAFFIC CONTROL PHASE IV

Design Review Committee

APPROVED

OCT 10 1995

DESIGN
REVIEW COMMITTEE

City Engineer Approval

City Project No. 4314.94

Zone Map No.
P-10

Sheet	Of
25	28

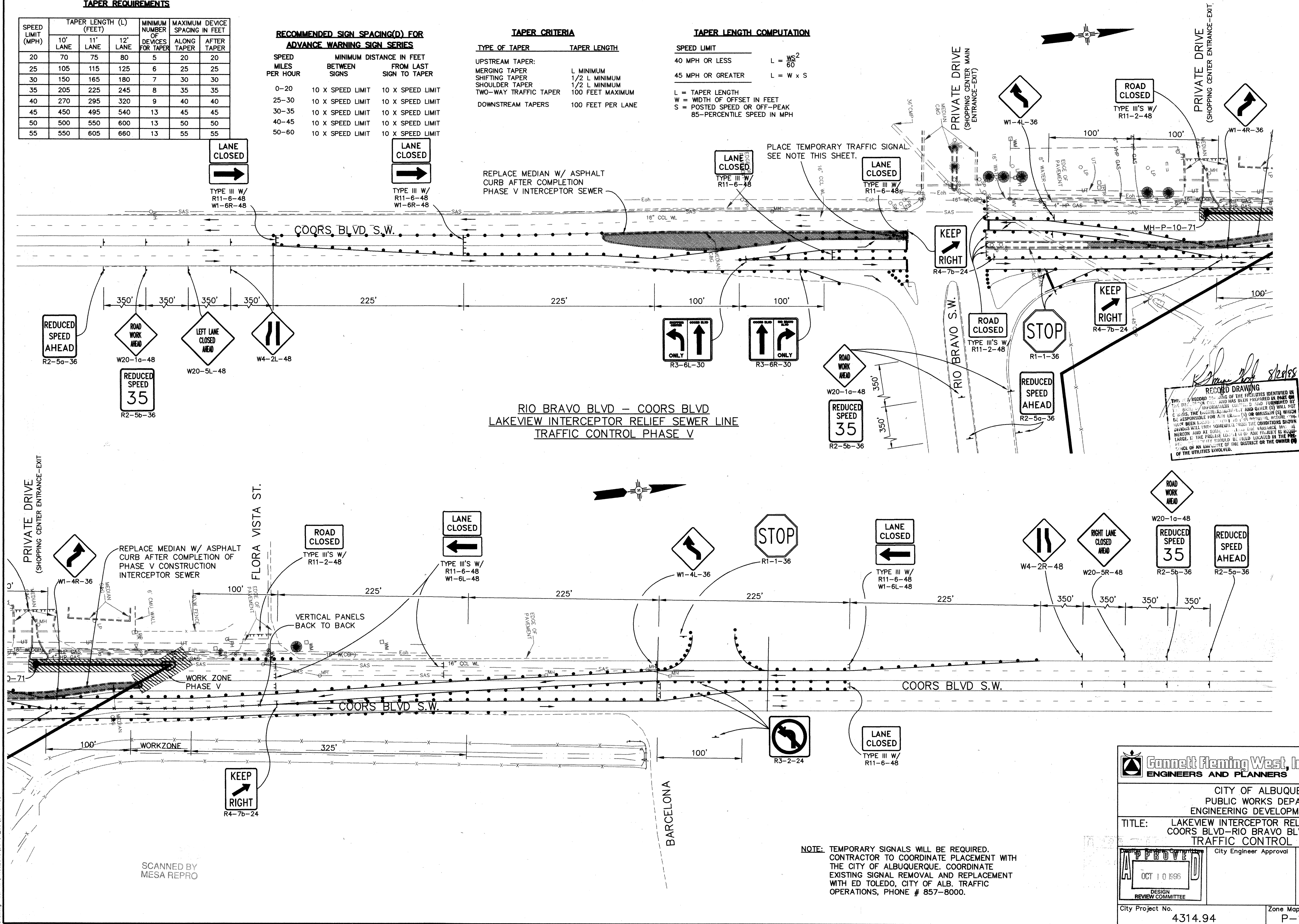
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TYPE OF TAPER	TAPER LENGTH
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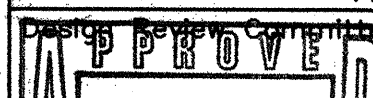
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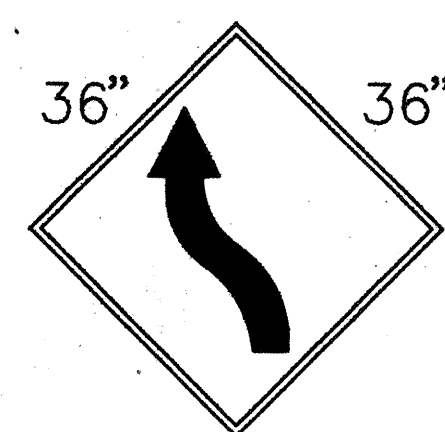


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ENGINEERS AND PLANNERS

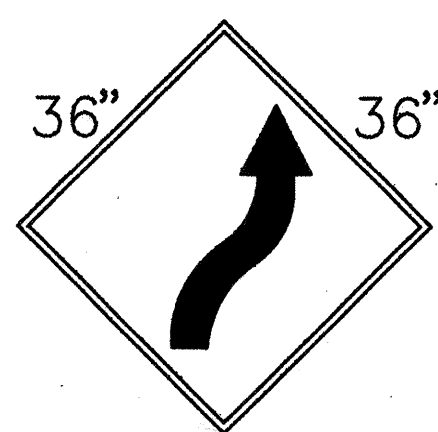
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PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE
COORS BLVD-RIO BRAVO BLVD INTERSECTION
TRAFFIC CONTROL PHASE V

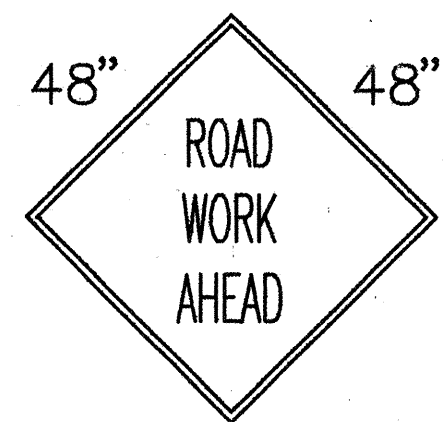
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City Project No. 4314.94		Zone Map No. P-10	Sheet 26	Of 28			



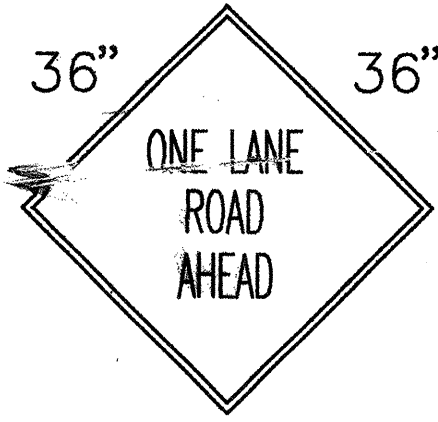
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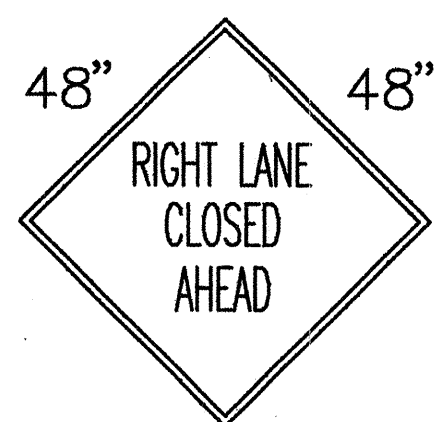
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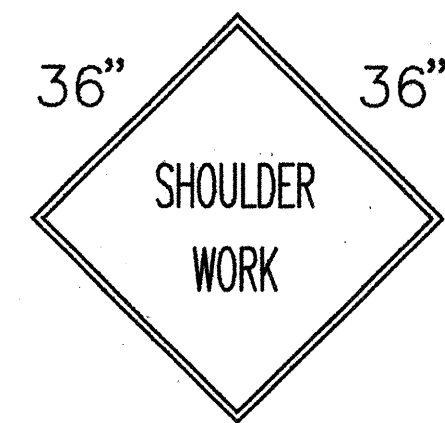
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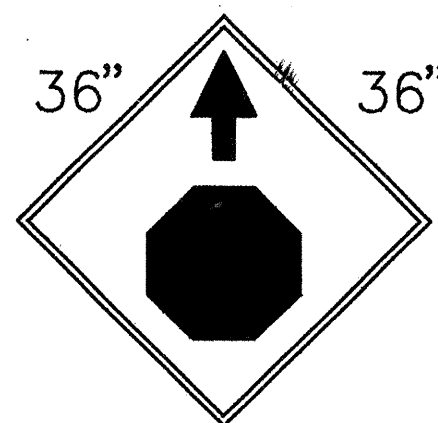
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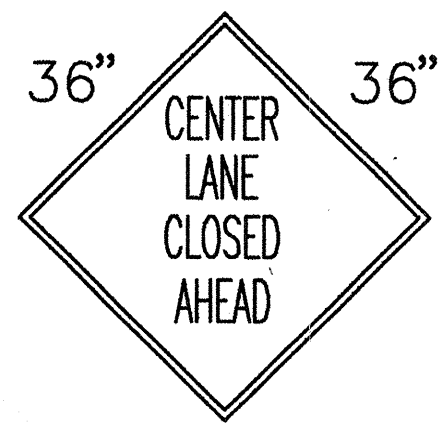
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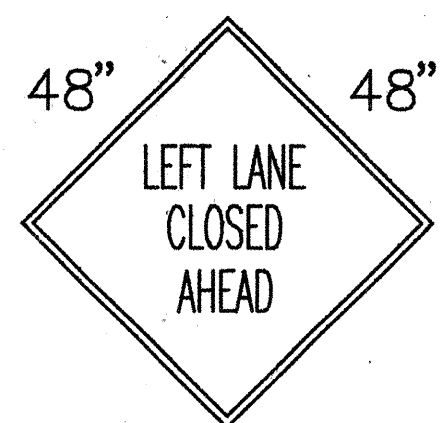
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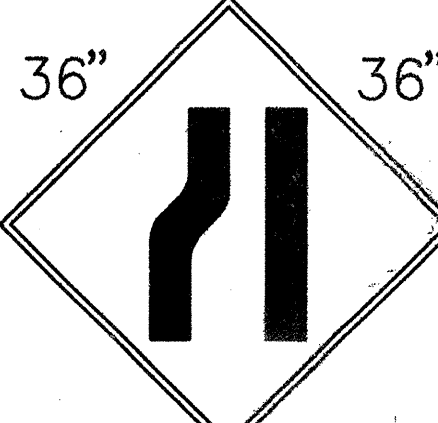
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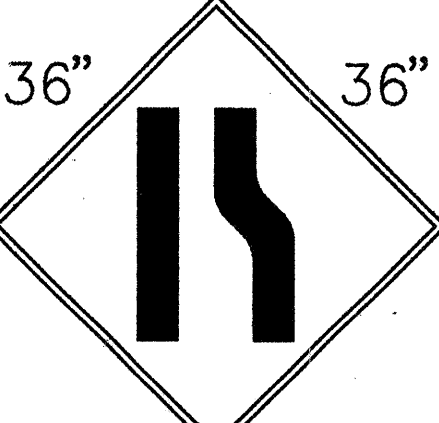
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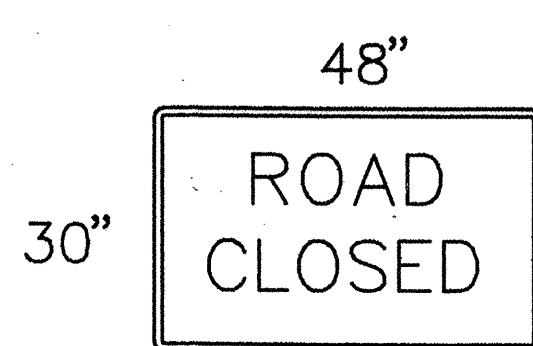
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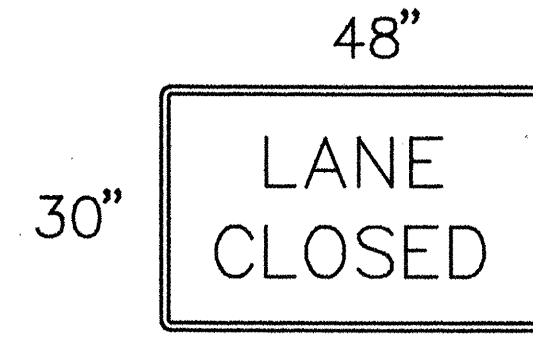
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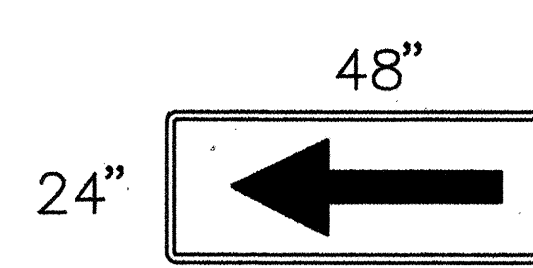
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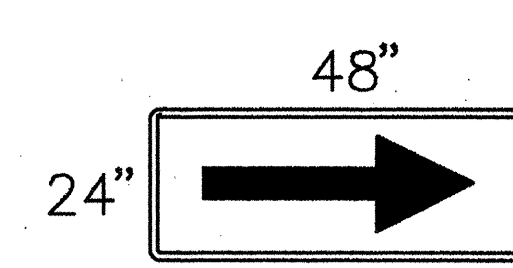
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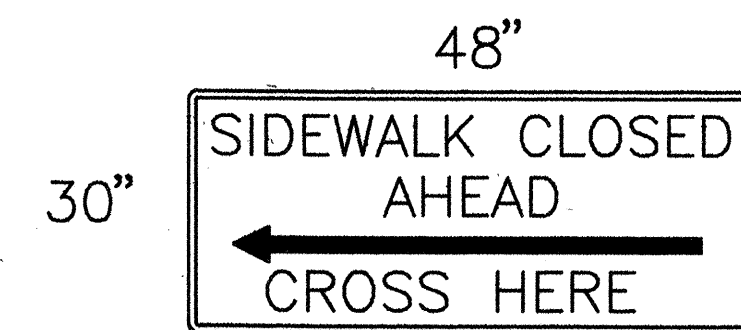
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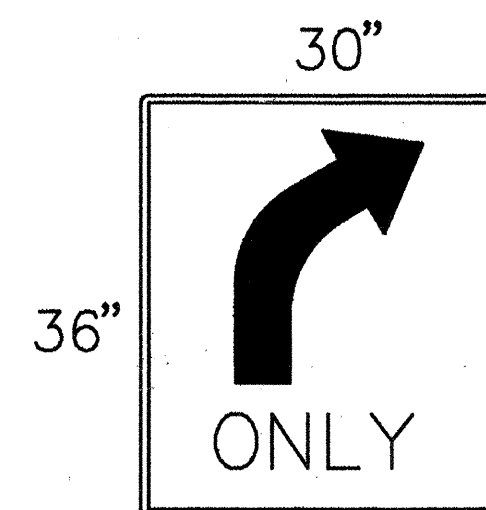
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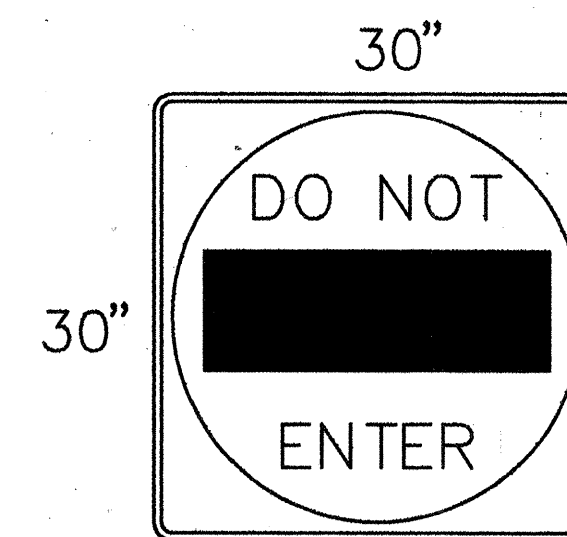
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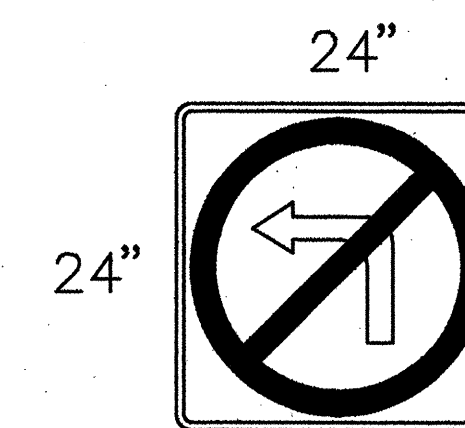
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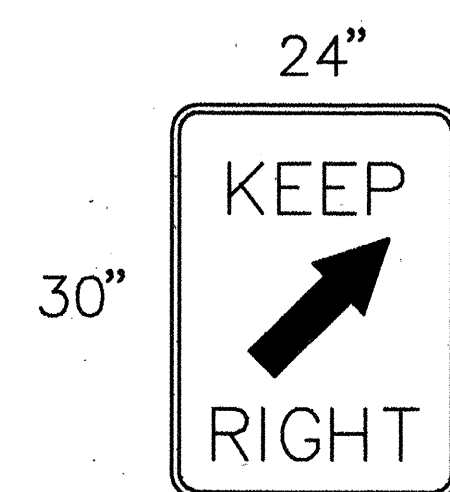
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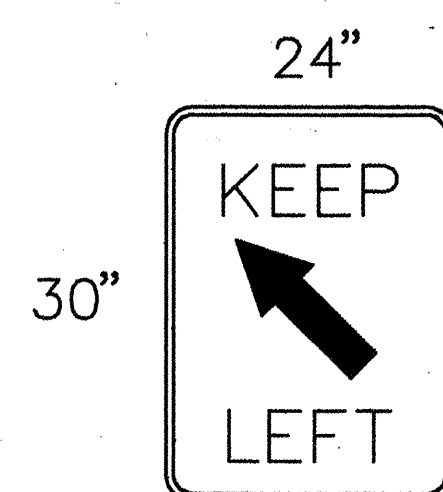
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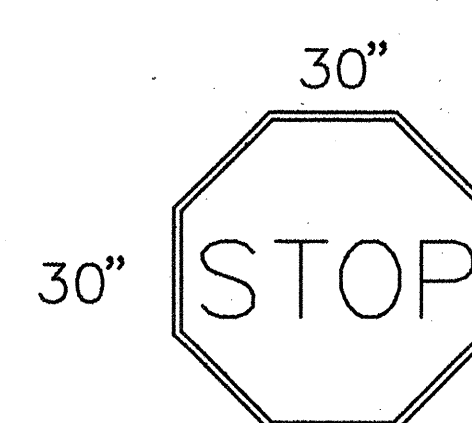
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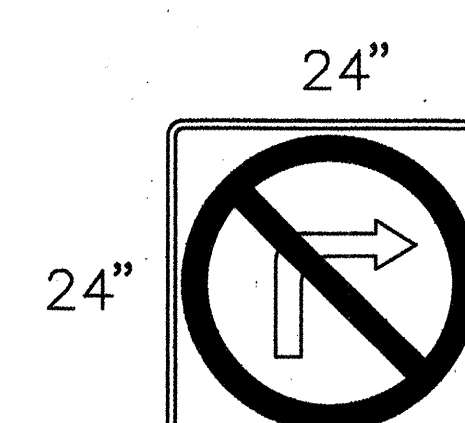
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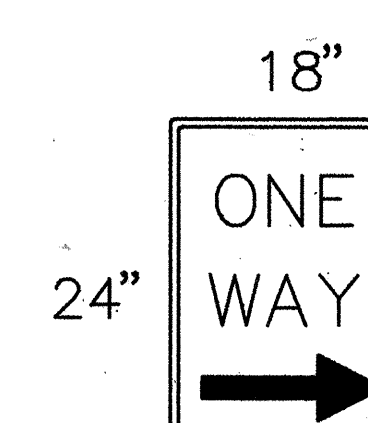
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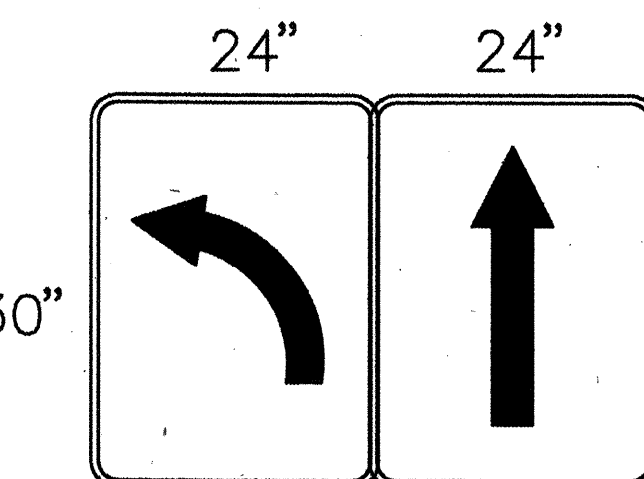
R1-1



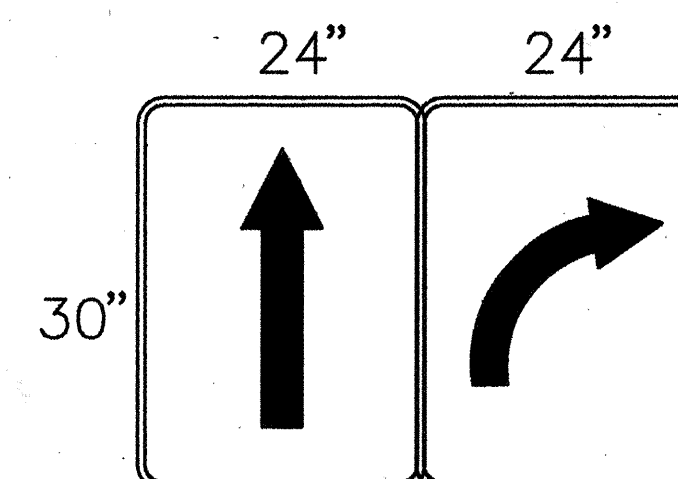
R3-1



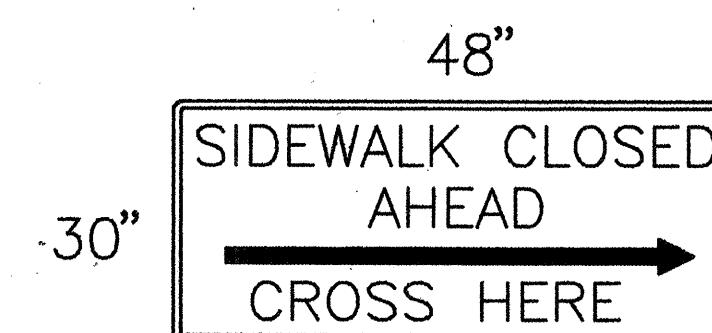
R6-2



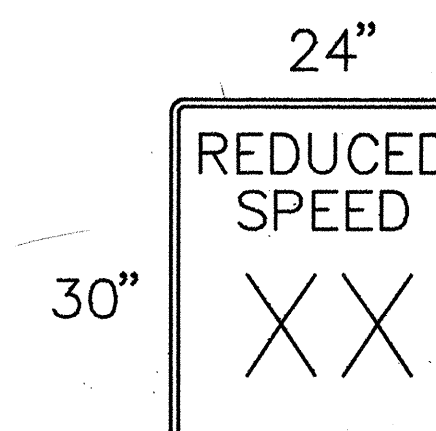
R3-6(L)



R3-6(R)



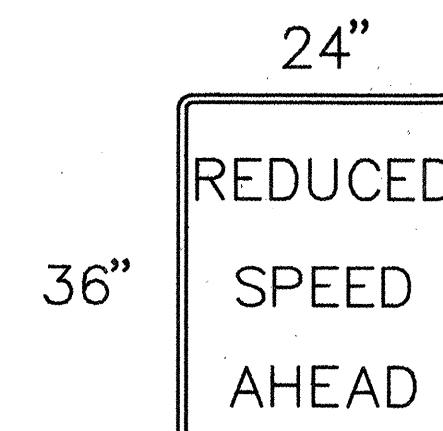
R5-9b



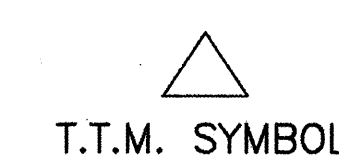
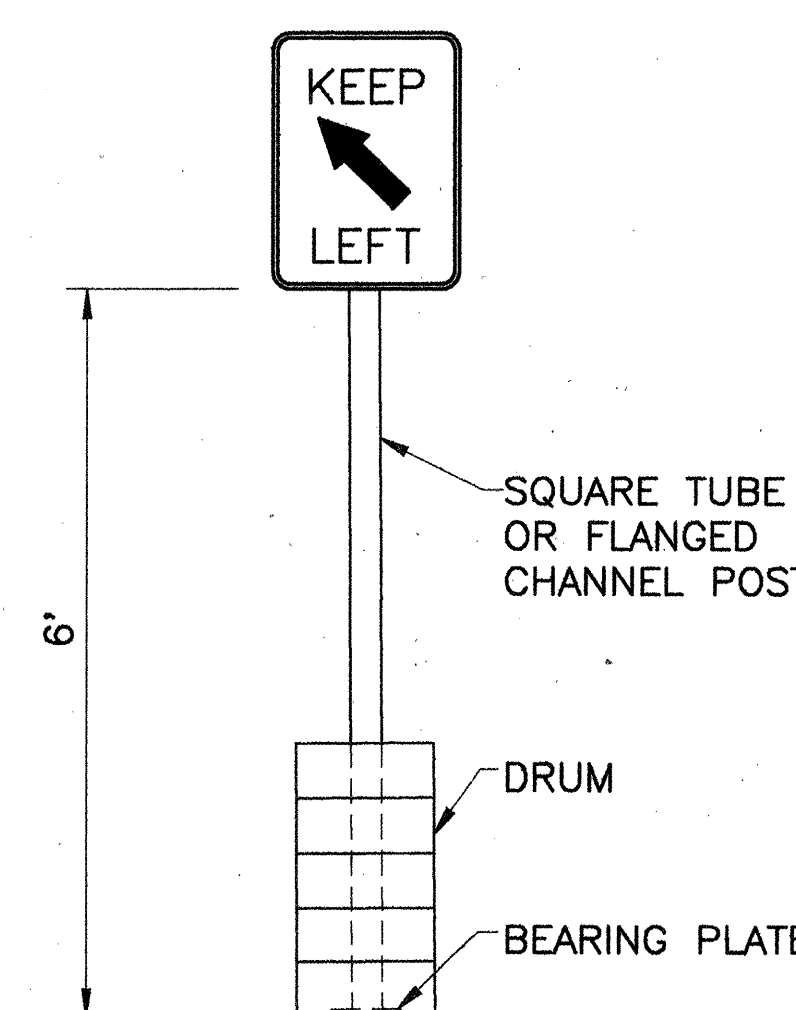
R2-5b



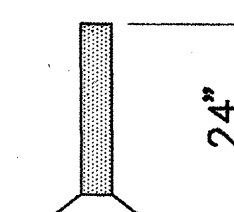
SPECIAL SIGN 10
W/5" WHITE OPAQUE
LETTERING ON BLUE
REFLECTORIZED BACKGROUND



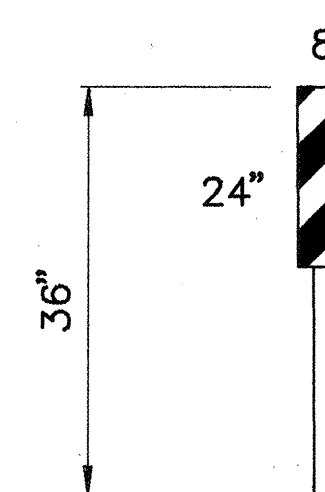
R2-5a



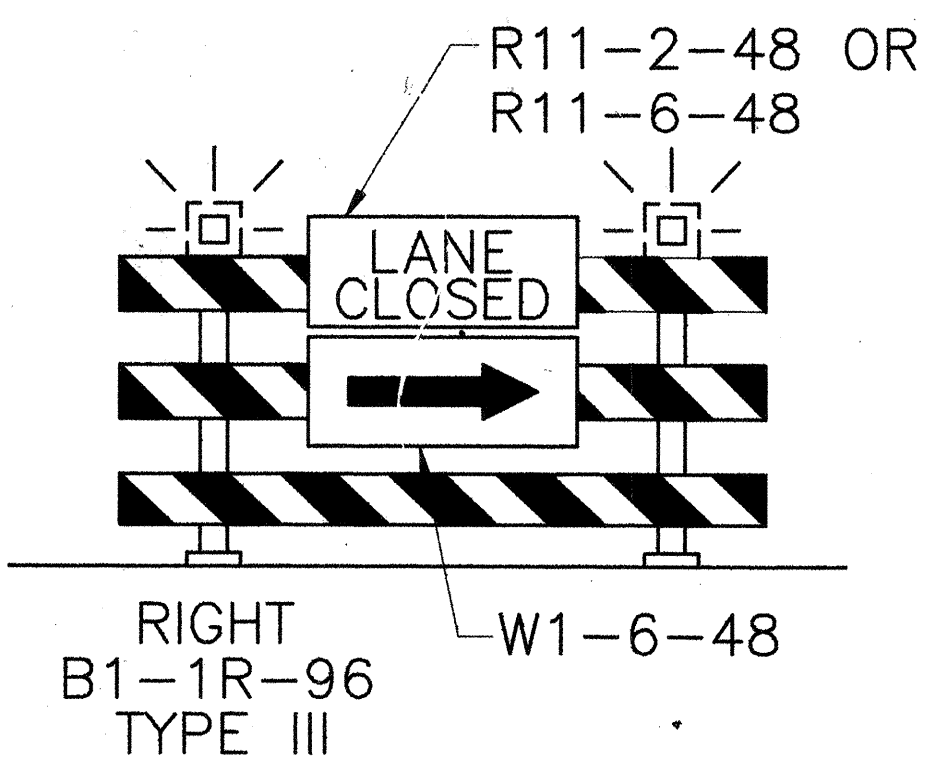
T.T.M. SYMBOL



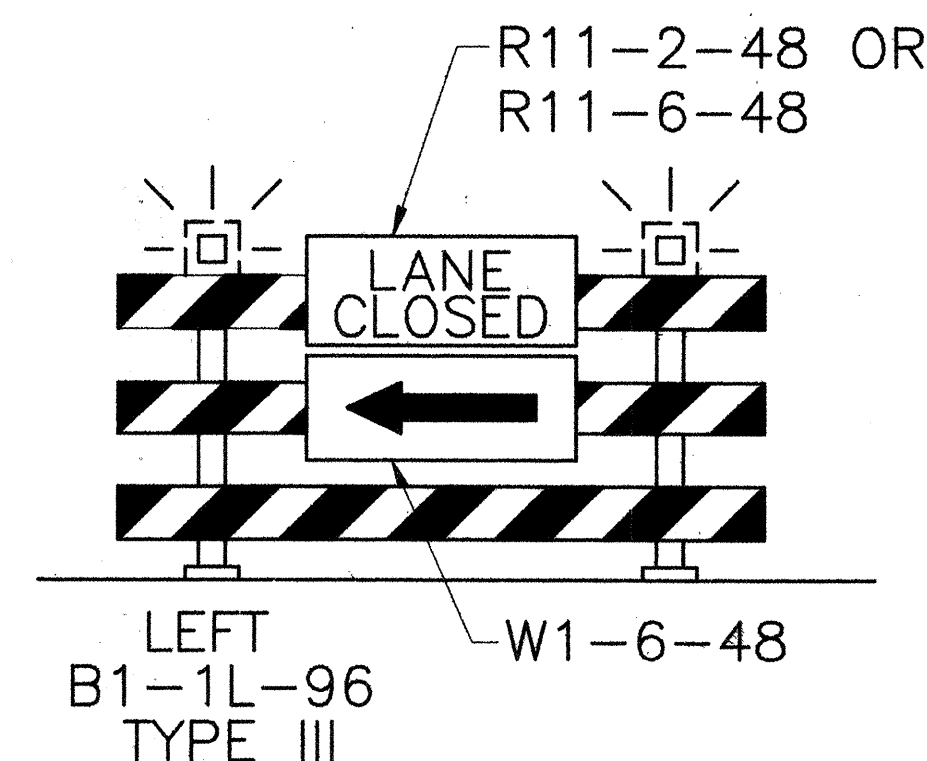
TUBULAR TRAFFIC
MARKER



VERTICAL PANEL
(BACK TO BACK)



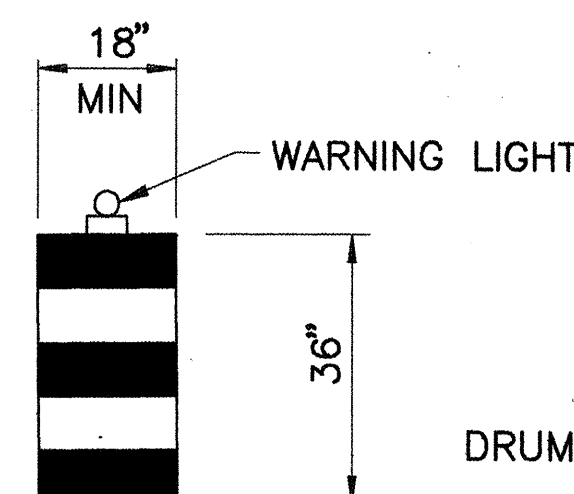
RIGHT
B1-1R-96
TYPE III



LEFT
B1-1L-96
TYPE III

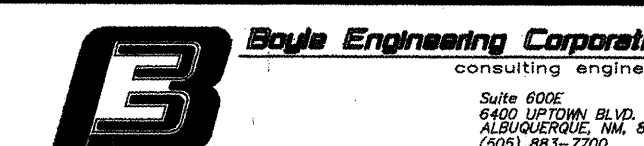
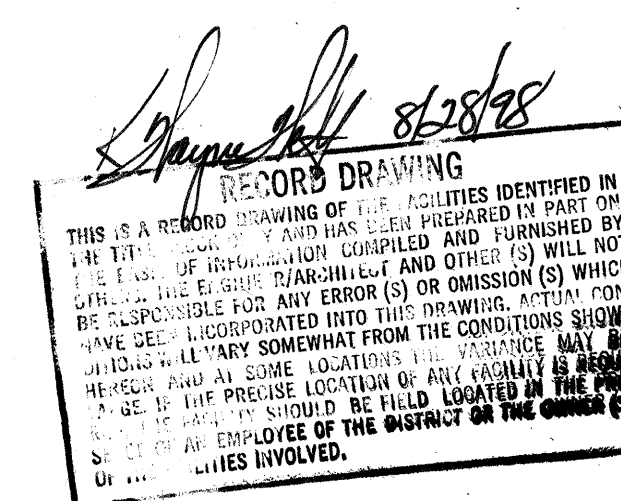
8 FT. TYPE III
BARRICADES

SCANNED BY
MESA REPRO



DRUM SYMBOL

TYPE "H" DRUMS SHALL BE BALLASTED
WITH SAND BAGS. A MAXIMUM OF 100 LBS
OF BALLAST SHALL BE USED. REFLECTIVITY
III-A SHEETING SHALL BE USED ON TYPE
"H" DRUMS FOR NIGHT TIME USE. WARNING
LIGHTS WILL BE REQUIRED ONLY ON CHANNELIZING
TAPERS.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: LAKEVIEW INTERCEPTOR RELIEF SEWER LINE TRAFFIC CONTROL SIGN FACE DETAILS	
Design Review Committee APPROVE OCT 10 1998 DESIGN REVIEW COMMITTEE	City Engineer Approval Last Design Update
City Project No. 4314.94	Zone Map No. P-12
Sheet 28	of 28