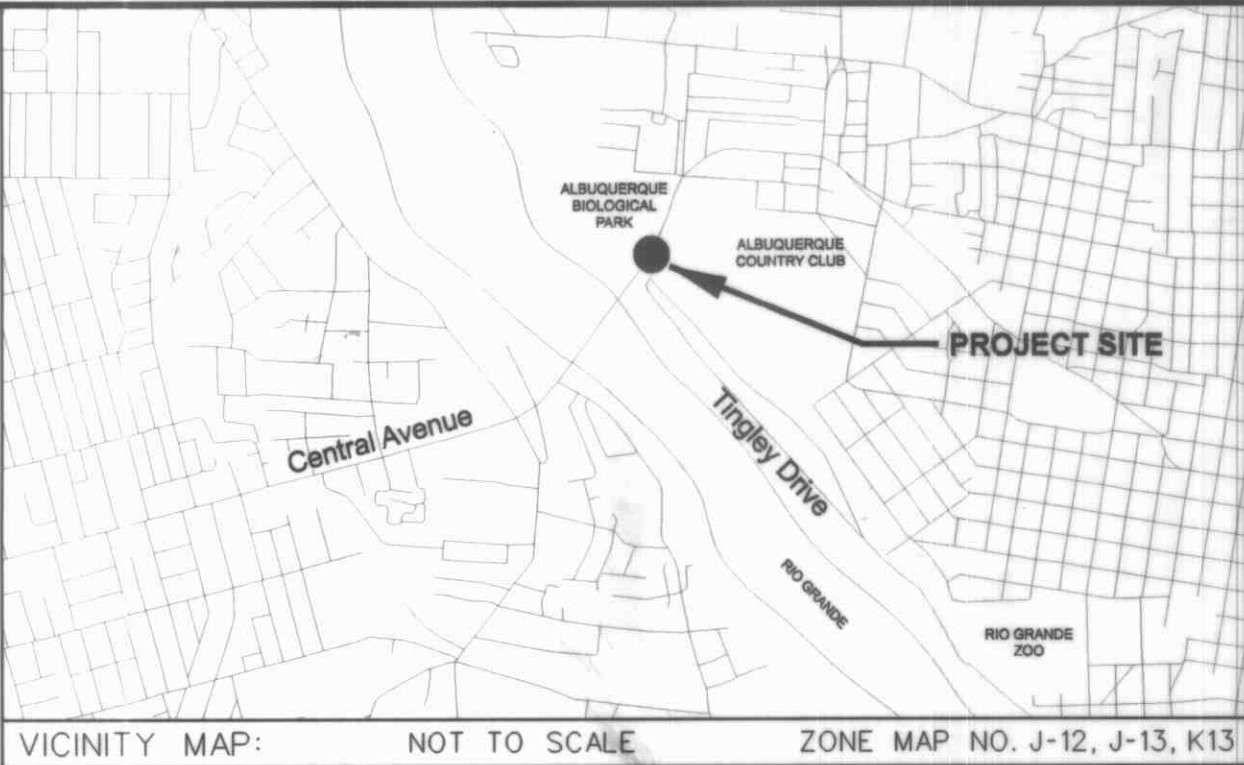


CONSTRUCTION PLANS  
FOR  
RIVERSIDE DRAIN CULVERTS  
AT CENTRAL AVENUE

ALBUQUERQUE, NEW MEXICO

INDEX

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VICINITY MAP: NOT TO SCALE ZONE MAP NO. J-12, J-13, K13

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. 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 EDITION AS REVISED THROUGH UPDATE No. 7.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, 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 IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE IF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN (7) DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

APPROVAL OF RECORD DRAWINGS  
CITY ENGINEER  
Moby Mirza  
DATE 5-17-06

CERTIFICATION OF AS-BUILT INFORMATION

I, Gerald K. Parker of the firm Bohannon Huston Inc., a Registered Professional Engineer in the State of New Mexico, do hereby certify that the as-built information shown on these plans represents information received from the Contractor for the Riverside Drain Culverts at Central Avenue (City of Albuquerque Project No. 701193), TLC Plumbing and Utilities. The as-built survey was performed by Rio Grande Surveying Co., Inc. for TLC Plumbing and Utilities. Bohannon Huston Inc. was not involved in site inspections during construction and, therefore, Bohannon Huston Inc. does not certify that this work was constructed in accordance with the plans and specifications approved by the City of Albuquerque, or that the original design intent of the approved plans has been met.



**Bohannon Huston**  
Courtney | 7500 Jefferson St. NE Albuquerque, NM 87109-4335  
ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****			
	DRC Chairman	<i>[Signature]</i>	1-29-09	APPROVED FOR CONSTRUCTION <i>[Signature]</i> City Engineer Date			
	Transportation	<i>[Signature]</i>	1/15/04				
	Water/Wastewater	N/A					
	Hydrology	N/A					
	CIP						
	Const. Mngmt.						
DRB Case Number		City Project No.	701193	Sheet	1	Of	6

RECORD DRAWING



GENERAL NOTES

1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
3. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE. THE CONTRACTOR SHALL CONTACT BOB MORIN AT ALBUQUERQUE BIOLOGICAL PARK (764-6237) PRIOR TO REMOVING EXCESS MATERIAL. THE BIOLOGICAL PARK MAY HAVE A NEARBY DISPOSAL SITE.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
5. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
6. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
7. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (i.e. BARRICADING, SURFACE DISTURBANCE).
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
9. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
10. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
11. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, WHEELCHAIR RAMPS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COA STANDARDS AT HIS OWN EXPENSE.
12. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXCAVATIONS AND TRENCHES IN A SAFE CONDITION THEREBY PROTECTING THE WORKERS AND THE GENERAL PUBLIC. ALL EXCAVATIONS, TRENCHING AND SHORING ACTIVITIES SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DEPARTMENT OF LABOR'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 29 CFR 1926.650, SUBPART P.

MRGCD GENERAL CONSTRUCTION NOTES

1. ANY WORK TO BE PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL BE CLOSELY COORDINATED WITH THE M.R.G.C.D. ENGINEERING DEPARTMENT AND APPROPRIATE FIELD OFFICE. PHONE: (505) 247-0234.
2. NO WORK IS TO BE DONE ON FACILITIES OR STRUCTURES BELONGING TO, OR OPERATED BY, THE M.R.G.C.D. BETWEEN MARCH 1 AND OCTOBER 31 INCLUSIVE. HOWEVER, WORK MAY BE PERMITTED BY THE M.R.G.C.D. IF IT CAN BE SHOWN THAT THE WORK WILL NOT INTERFERE WITH OPERATIONS OF THE M.R.G.C.D. FACILITY. ALL WORK TO BE DONE WITHIN THE M.R.G.C.D. FACILITIES MUST BE APPROVED BY THE M.R.G.C.D. ENGINEER PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL NOT STORE EQUIPMENT, NEW MATERIALS OR DEBRIS WITHIN DISTRICT RIGHT-OF-WAY WHICH MAY INTERFERE WITH OPERATIONS AND MAINTENANCE OF THE M.R.G.C.D. FACILITY.
4. THE CONTRACTOR SHALL NOT SERVICE VEHICLES OR EQUIPMENT WITHIN M.R.G.C.D. RIGHT-OF-WAY.
5. SEEDING OF DISTURBED AREAS WITHIN M.R.G.C.D. RIGHT-OF-WAYS IS REQUIRED PER THE M.R.G.C.D. SEEDING SPECIFICATIONS.
6. THE CONTRACTOR MUST MAINTAIN A MINIMUM COVER OF 3' OVER ALL CULVERT CROSSINGS USED FOR ACCESS TO THE PROJECT SITE.
7. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/OR REPLACEMENT OF ANY STRUCTURES REMOVED AND/OR DAMAGED DUE TO THE CONTRACTOR'S ACTIVITIES WITHIN THE DISTRICT'S RIGHT-OF-WAY. SHOULD ANY TURNOUTS, CULVERT PIPES AND/OR STRUCTURES REQUIRE REPLACEMENT DUE TO LEAKAGE AND/OR DAMAGE BY THE CONTRACTOR, NEW TURNOUTS, AND NEW CULVERT PIPES AND/OR NEW STRUCTURES SHALL REPLACE THE DAMAGED ITEM. REPAIRS AND/OR REPLACEMENTS WITHIN THE DISTRICT'S RIGHT-OF-WAY MUST COMPLY WITH M.R.G.C.D. SPECIFICATIONS.
8. ALL DAMAGED CULVERT CROSSINGS AND CULVERT CROSSINGS REMOVED AND/OR DISTURBED MUST BE RESTORED AND/OR REPLACED TO THE SATISFACTION OF THE M.R.G.C.D. AND COMPLY WITH M.R.G.C.D. SPECIFICATIONS.
9. ALL SALVAGEABLE CULVERTS, IRRIGATION GATES, ETC., MUST BE RETURNED TO THE M.R.G.C.D.
10. THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING A "SPECIAL USE LICENSE AGREEMENT" WITH THE M.R.G.C.D. PRIOR TO CONSTRUCTION.

LEGEND

	BHI HORIZONTAL & VERTICAL PANEL POINT		PAVED PARKING		GUARDRAIL
	SPOT ELEVATION		GRADED PARKING		POST/BOLLARD
	INDEX CONTOUR		FOOT PATH		TREE & TREE OUTLINE WITH TRUNK LOCATION
	INTERMEDIATE CONTOUR		BRIDGE WITH DECK ELEVATION		PINE TREE
	DEPRESSION INDEX CONTOUR		SPEED BUMP		BUSH/SHRUB
	DEPRESSION INTERMEDIATE CONTOUR		INTERMITTENT STREAM		FIRE HYDRANT
	OBSCURED AREA		PERENNIAL POND WITH WATER LEVEL ELEVATION		WATER METER
	BUILDING WITH PORCH/DECK		PERENNIAL STREAM		WATER VALVE
	CONCRETE PAD		CULVERT		IRRIGATION BOX
	RAMP		RIP-RAP		GAS VALVE
	STEPS		CURB & DROP INLET		PULLBOX
	SWIMMING POOL		UNLINED DITCH		TRANSFORMER
	TANK		CONCRETE DRAINAGE STRUCTURE		DISTRIBUTION LINE & POLE
	DIRT/DEBRIS PILE		SOLID STRIPE		DOWN GUY WIRE & ANCHOR
	TEES & GREENS		DOUBLE STRIPE		STREET LIGHT
	SAND		DASHED STRIPE		POST LIGHT
	LANDSCAPED AREA		HANDICAP PARKING SPACE		TRAFFIC CONTROL BOX
	SIDEWALK		PARKING BUMPER		TRAFFIC SIGNAL
	CURB		SINGLE, DOUBLE POST SIGNS, & BILLBOARD		SATELLITE DISH
	GUTTER		MASONRY WALL		PIPELINE
	PAVED ROAD		RETAINING WALL		UNIDENTIFIED FEATURE
	MISC. ASPHALT EDGE		ROCK WALL		UNIDENTIFIED VALVE
	GRADED ROAD		CHAINLINK FENCE WITH GATE		UNIDENTIFIED MANHOLE
	UNGRADED ROAD		RAIL FENCE		UNIDENTIFIED POLE
	UNGRADED SHOULDER		BARBWIRE FENCE		UNIDENTIFIED UTILITY

UTILITY COMPANY CONTACTS

ELECTRIC  
PNM ELECTRIC SERVICES  
(DISTRIBUTION)  
ALBUQUERQUE, NM  
PHONE: 241-3403  
CONTACT: RICK MONTOYA

CABLE TV  
COMCAST CABLE COMMUNICATIONS  
ALBUQUERQUE, NM  
PHONE: 761-6252  
CONTACT: MIKE MORTUS

TELEPHONE  
OWEST COMMUNICATIONS  
ALBUQUERQUE, NM  
PHONE: 245-6586  
CONTACT: MARK KANTZ

AT&T  
ALBUQUERQUE, NM  
PHONE: 362-2743  
CONTACT: AMOS WILSON

NATURAL GAS  
PNM GAS SERVICES  
ALBUQUERQUE, NM  
PHONE: 241-7753  
CONTACT: JOE DUNLAP

CITY OF ALBUQUERQUE  
PRINCIPAL ENGINEER  
ALBUQUERQUE, NM  
PHONE: 768-2729  
CONTACT: BILL BALCH

**Bohannon & Huston**  
Engineering & Spatial Data & Advanced Technologies  
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335

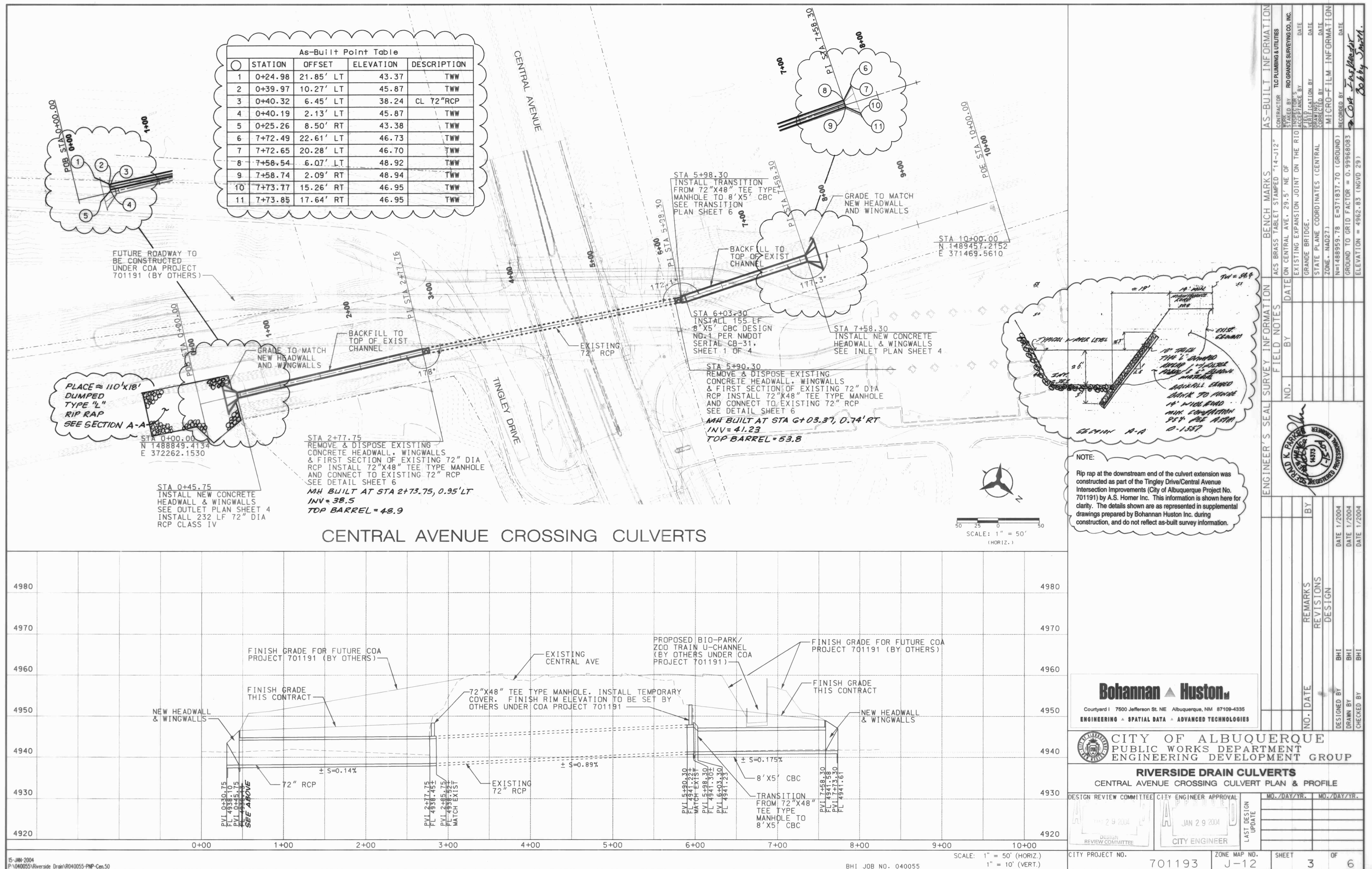
**CITY OF ALBUQUERQUE**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

RIVERSIDE DRAIN CULVERTS  
GENERAL NOTES & LEGEND

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
701193	J-12	2	6

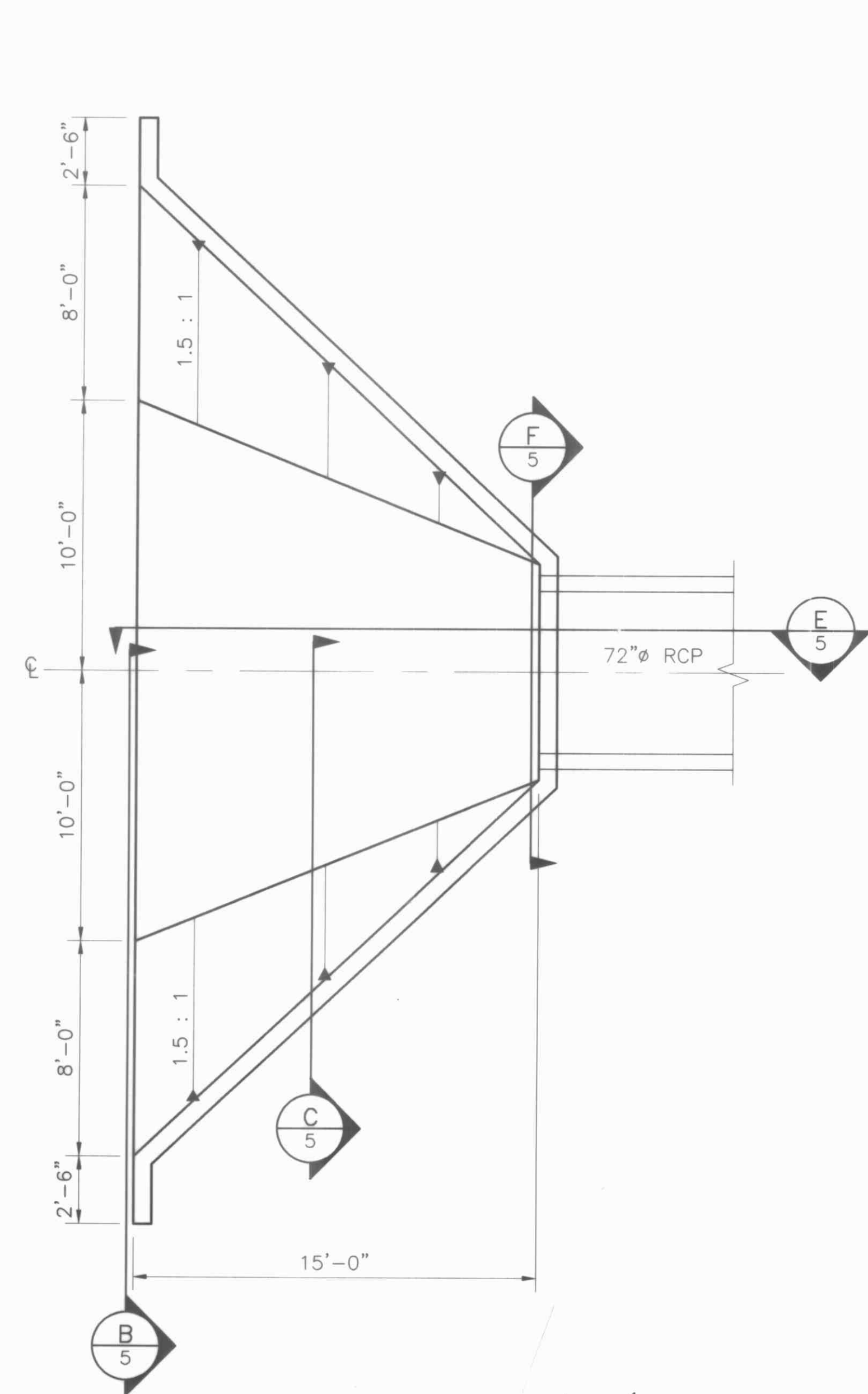
RECORD DRAWING





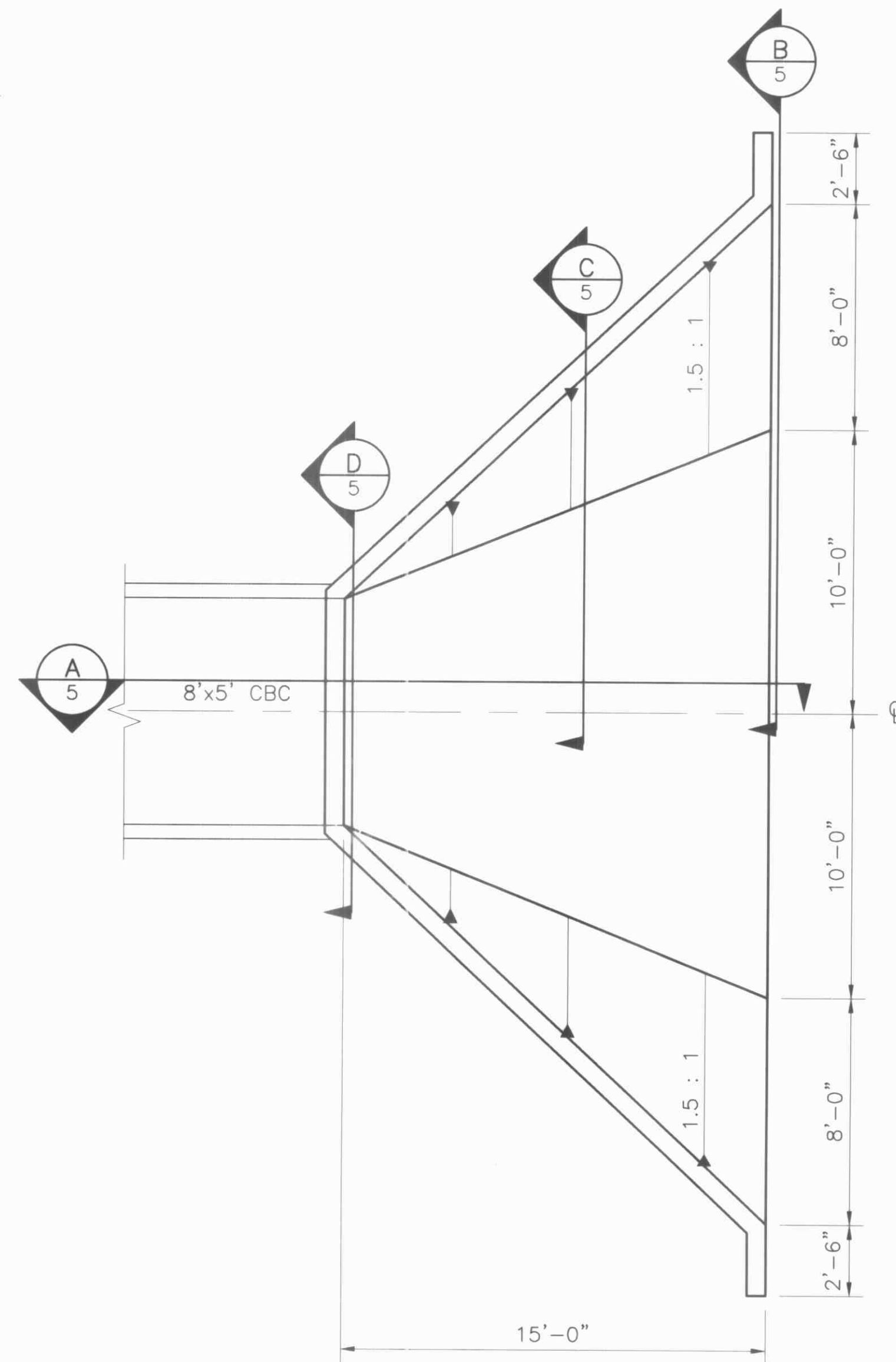
RECORD DRAWING





OUTLET PLAN

SCALE: 1/4" = 1'-0"



INLET PLAN

SCALE: 1/4" = 1'-0"

### GENERAL STRUCTURAL NOTES

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
2. STRUCTURAL CAST-IN-PLACE CONCRETE: STRUCTURAL CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 101, TABLE 101C FOR HYDRAULIC STRUCTURES.
3. REINFORCING STEEL: STEEL REINFORCEMENT AND PLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 102, STEEL REINFORCEMENT AND SHALL BE GRADE 60. ALL LAP SPLICES SHALL BE CLASS B OR AS SHOWN ON THE PLANS.
4. SUBGRADE PREPARATION: DEWATERING IS TO BE PERFORMED TO A SUFFICIENT DEPTH TO ALLOW COMPACTION WITHOUT CAUSING WATER TO RISE INTO SUBGRADE. EXCAVATE TO SUBGRADE, REMOVE ALL ORGANIC AND COHESIVE MATERIAL AND REPLACE WITH FREE DRAINING GRANULAR MATERIAL. COMPACT SUBGRADE UNTIL STABLE USING STATIC COMPACTOR. COMPACTION SHALL EXTEND HORIZONTALLY BEYOND CBC A MINIMUM OF 2 FEET AND TO OUTSIDE DIAMETER OF RCP.
5. BACKFILL: BACKFILL SHALL BE PLACED IN LIFTS NO GREATER THAN 6 INCHES, MOISTURE CONDITIONED TO OPTIMUM MOISTURE CONTENT ( $\pm 2\%$ ) AND COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-1557. HEAVY EQUIPMENT USED FOR COMPACTION EFFORTS ABOVE CBC AND RCP SHALL NOT BE USED UNTIL A MINIMUM OF 3 FEET OF COMPACTED SOIL LIES ABOVE TOP OF STRUCTURE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE AND ANY ADJACENT STRUCTURES DURING CONSTRUCTION, AS WELL AS WORKER SAFETY AND COMPLIANCE WITH OSHA OR OTHER AGENCY SAFETY GUIDELINES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CODE ADMINISTRATION APPROVAL AND FEES ASSOCIATED WITH IT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THAT ALL REINFORCEMENT IS PROPERLY ALIGNED AND TIED IN PLACE BEFORE PLACING CONCRETE. ALL STEEL SHALL BE ACCURATELY LOCATED AND SECURED IN PLACE SO THAT IT REMAINS IN POSITION DURING THE PLACEMENT OF THE CONCRETE AT NO ADDITIONAL COST TO THE OWNER.

### DESIGN LOADS

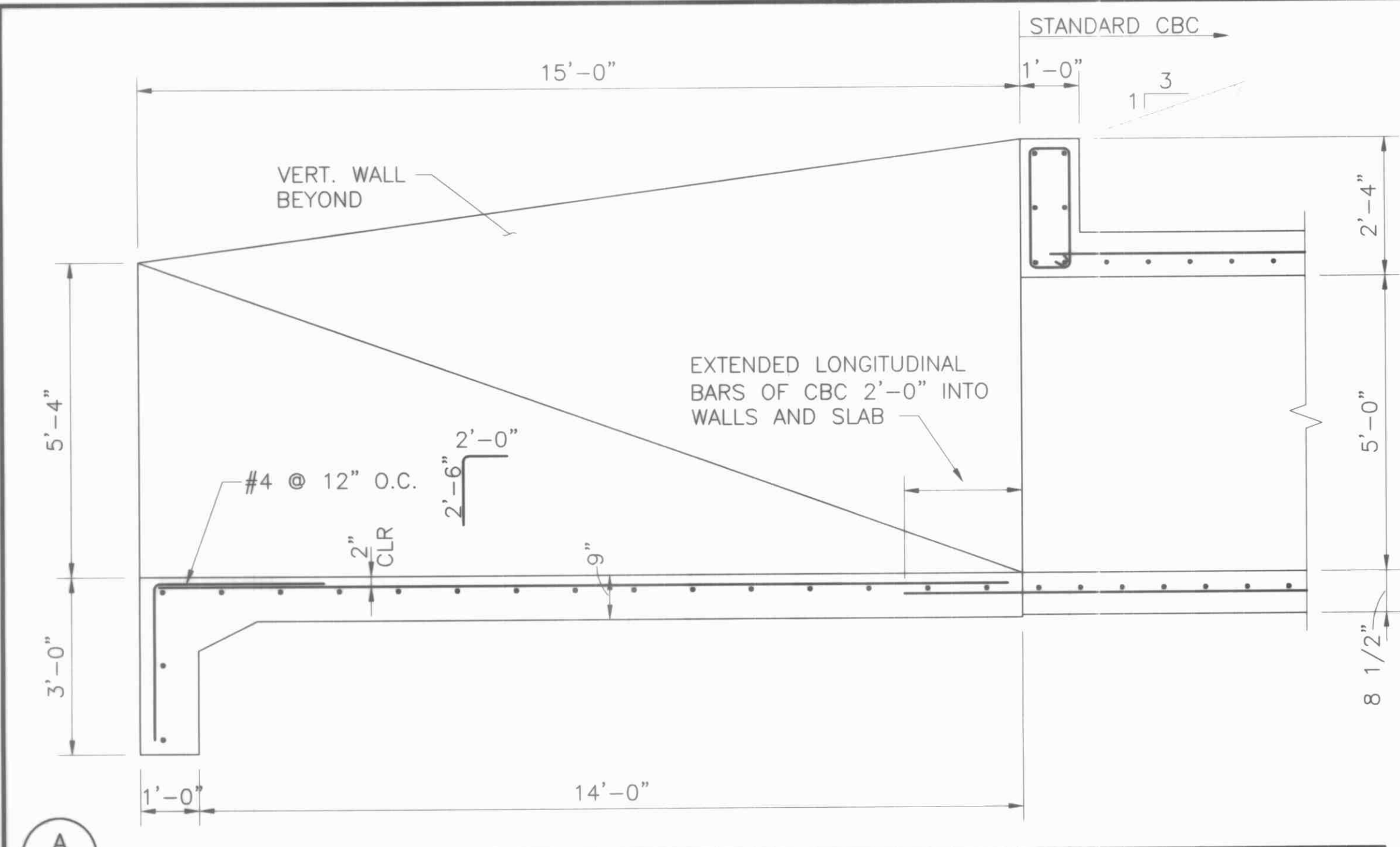
EFP (ACTIVE)	=	35 PCF
EFP (PASSIVE)	=	325 PCF
SOIL UNIT WEIGHT	=	98 PCF
ALLOWABLE BEARING PRESSURE	=	1500 PSF
COEFFICIENT OF FRICTION FOR SLIDING	=	.4

LIVE LOAD HS20-44

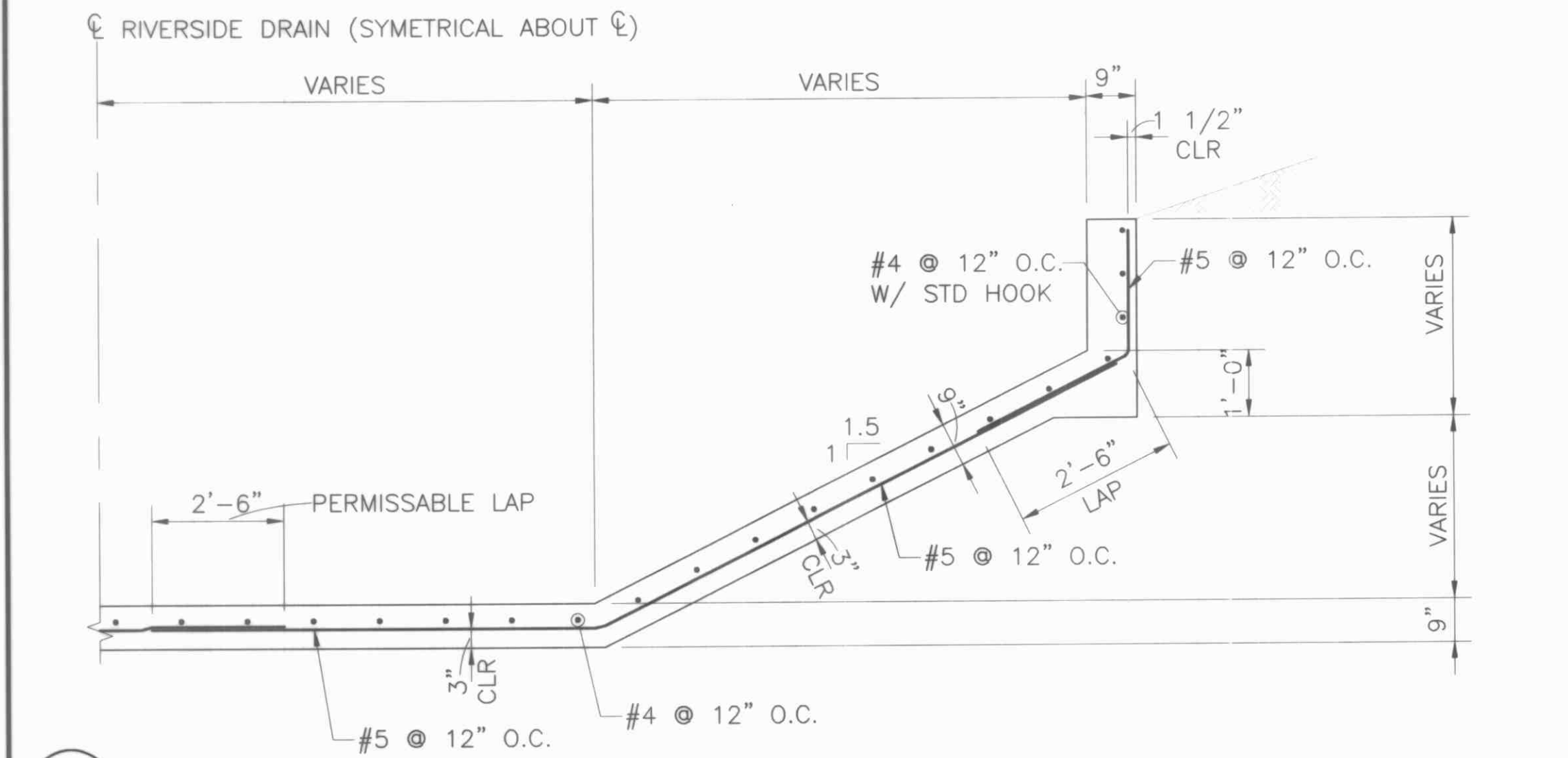


<b>CITY OF ALBUQUERQUE</b> PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
<b>RIVERSIDE DRAIN CULVERTS</b> <b>INLET AND OUTLET STRUCTURE PLAN</b>			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
 JAN 29 2004	 JAN 29 2004		
CITY PROJECT NO. 701193		ZONE MAP NO. J-12	SHEET 4 OF 6

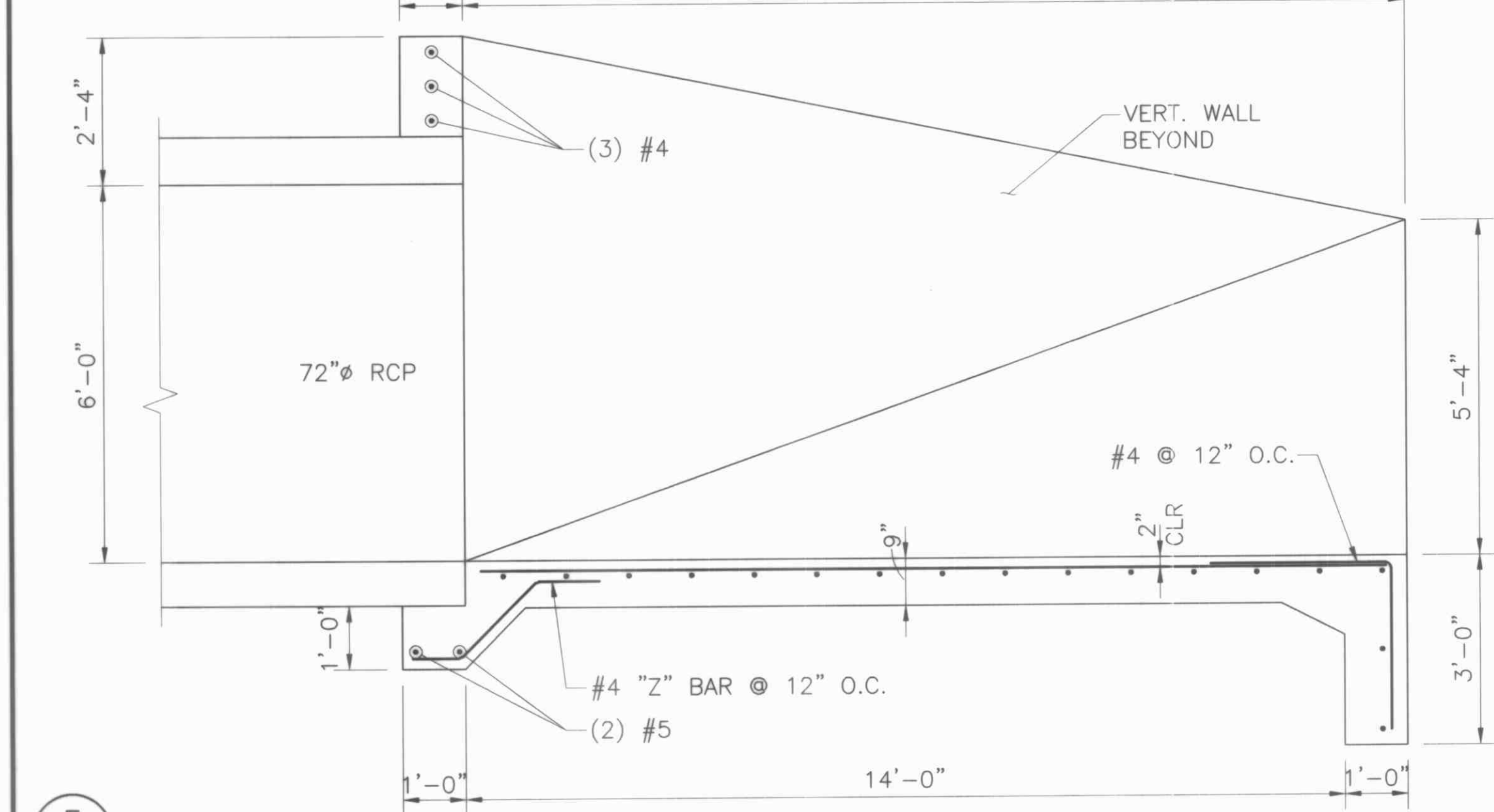
# RECORD DRAWING



**A**  
5 SCALE: 1/2" = 1'-0"



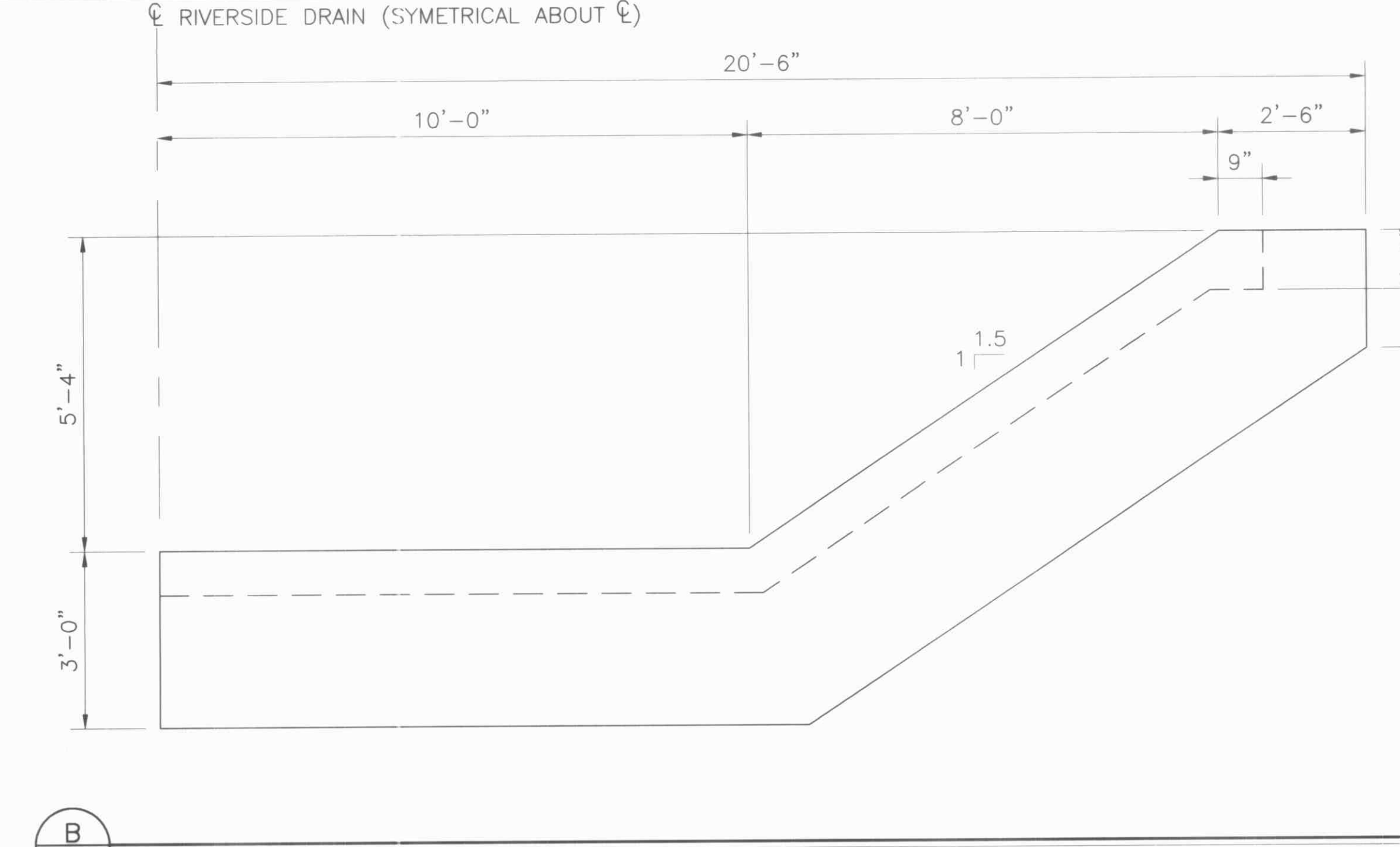
**B**  
5 SCALE: 1/2" = 1'-0"



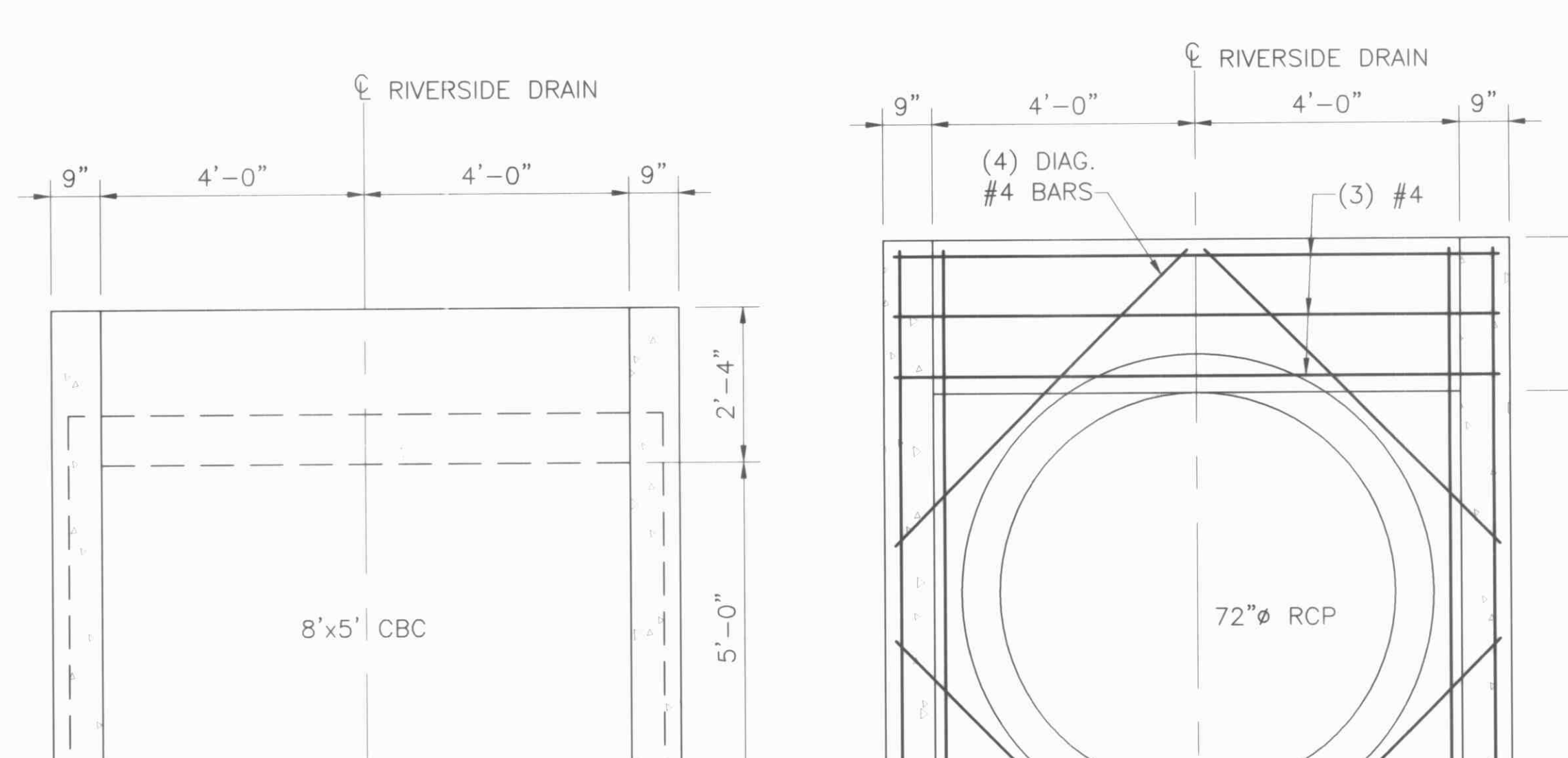
**C**  
5 SCALE: 1/2" = 1'-0"



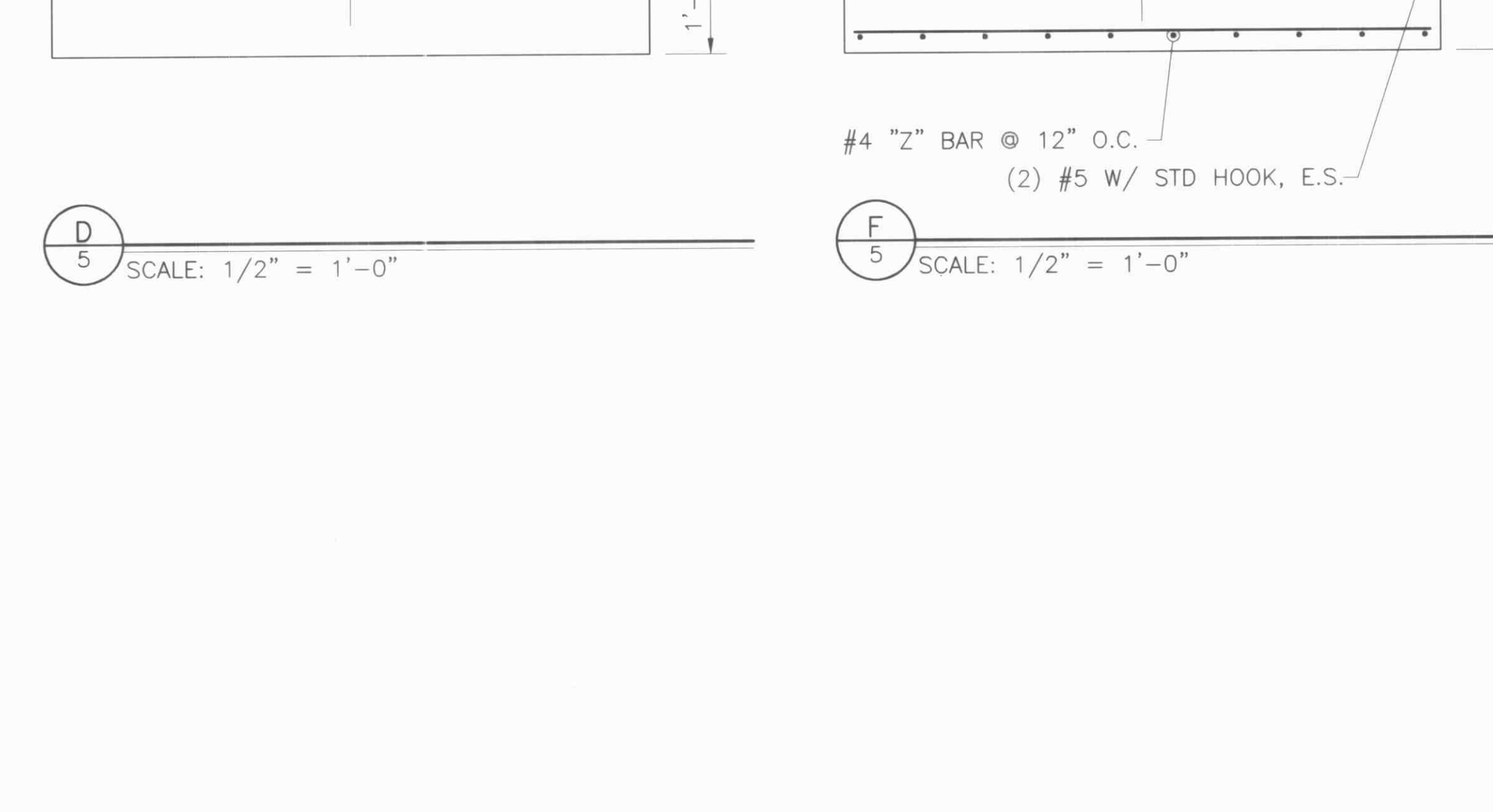
**D**  
5 SCALE: 1/2" = 1'-0"



**E**  
5 SCALE: 1/2" = 1'-0"



**F**  
5 SCALE: 1/2" = 1'-0"



**G**  
5 SCALE: 1/2" = 1'-0"



**H**  
5 SCALE: 1/2" = 1'-0"

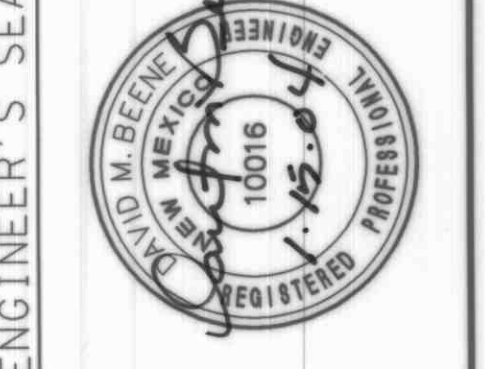
**Bohannon & Huston**  
 Courtyard 1 7500 Jefferson St. NE Albuquerque, NM 87109-4335  
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**CITY OF ALBUQUERQUE**  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING DEVELOPMENT GROUP  
**RIVERSIDE DRAIN CULVERTS**  
 INLET AND OUTLET SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED JAN 29 2004 DESIGN REVIEW COMMITTEE	APPROVED JAN 29 2004 CITY ENGINEER		
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
701193	J-12	5	6

**RECORD DRAWING**

ENGINEER'S SEAL SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	DATE	NO.	DATE	CONTRACTOR	TIC PLUMBING & UTILITIES
				ON CENTRAL AVE. 29.5' NE OF	BY RIO GRANDE SURVEYING CO., INC.
				EXISTING EXPANSION JOINT ON THE RIO	INSPECTOR'S ACCEPTANCE BY DATE
				GRANDE BRIDGE.	VERIFICATION BY DATE
				STATE PLANE COORDINATES (CENTRAL	DATE
				ZONE - NAD27)	DATE
				N=1488959.78 E=371837.70 (GROUND)	DATE
				GROUND TO GRID FACTOR = 0.99968083	DATE
				ELEVATION = 4962.83 (NGVD 29)	DATE







GENERAL NOTES:

1. MANHOLE STEPS ARE REQUIRED FOR MANHOLES DEEPER THAN 6 FEET. LOWEST STEP SHOULD BE AT THE SPRINGLINE OF THE SEWER PIPE.
2. FIELD FABRICATION OF TEE OR ECCENTRIC PIPE UNIT WILL NOT BE ACCEPTED.
3. VERTICAL PIPE SHALL BE CENTERED WITHIN HORIZONTAL STORM SEWER PIPE SECTION.

CONSTRUCTION NOTES:

- A. STORM SEWER PIPE
- B. PRECAST VERTICAL PIPE
- C. PRECAST MANHOLE RISERS
- D. TOP OF VERTICAL PIPE MINIMUM 18" ABOVE
- E. SPRINGLINE
- F. LOWEST MANHOLE STEP

KEYED NOTES:

- ① BACKFILL COMPACTED PER  
COA STD SPECIFICATIONS
- ② 24" SUBGRADE COMPACTED TO  
95% ASTM D-1557. COMPACT  
IN LIFTS NOT EXCEEDING 8" LOOSE.
- ③ 4' DIA. MANHOLE RISERS AS REQUIRED.

# RECORD DRAWING