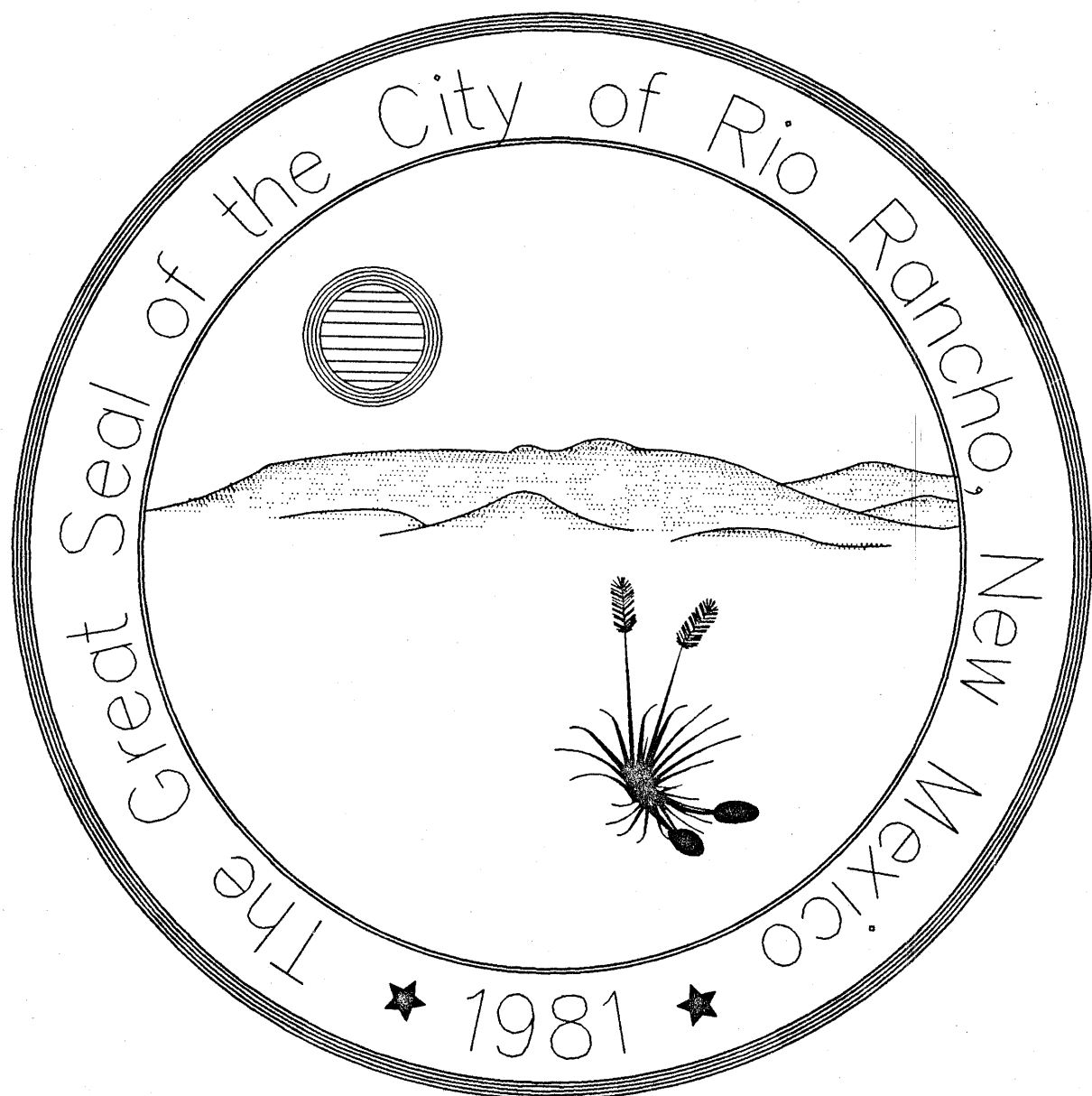


GENERAL NOTES :

1. UNLESS SPECIFIED OTHERWISE, THE CONSTRUCTION WORK SHOWN ON THESE PLANS SHALL CONFORM TO THE "NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1987 EDITION. A COPY OF THE STANDARD SPECIFICATIONS SHALL BE KEPT ON-SITE BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT.
2. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY CONDUIT OR STRUCTURES AS SHOWN ON THE PLANS ARE OBTAINED FROM AVAILABLE RECORDS AND SOURCES. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE DEPICTED LOCATIONS. IT SHALL BE THE RESPONSIBILITY OF THE OF THE CONTRACTOR TO CONTACT THE LOCATOR SERVICE (260-1990), THE CITY OF RIO RANCHO WATER/WASTEWATER SERVICES (891-1200) AND POST -NEWSWEEK CABLE (892-5114) 48 HOURS IN ADVANCE OF EXCAVATING. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT UNDERGROUND UTILITIES AND TO PROVIDE CORRECTED LOCATION INFORMATION TO THE ENGINEER.
3. EXCEPT AS OTHERWISE NOTED ALL GAS, ELECTRIC, TELEPHONE LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF REQUIRED UTILITY RELOCATIONS.
4. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY.
5. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN BARRICADES, WARNING SIGNS AND FLAGMEN IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PRODUCE AND SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF RIO RANCHO CITY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK ON THE PROJECT
6. THROUGH THE DURATION OR THE PROJECT, THE CONTRACTOR SHALL KEEP THE LOCAL NEWS MEDIA INFORMED OF ANY LANE CLOSURES WHICH WILL RESTRICT THE NORMAL FLOW OF TRAFFIC. THERE WILL BE NO DIRECT COMPENSATION FOR THIS WORK.
7. ONLY THOSE PAYMENT ITEMS IDENTIFIED ON THE BID SCHEDULE SHALL CONSTITUTE A BASIS FOR PAYMENT. ALL WORK NOT SPECIFICALLY IDENTIFIED IN THE BID SCHEDULE BUT WHICH CAN BE REASONABLY INFERRED FROM THE PLANS AS NECESSARY TO ACCOMPLISH THE PROPOSED IMPROVEMENTS SHALL BE CONSIDERED AS INCLUDED WITHIN THE SCOPE OF IDENTIFIED ITEMS. THIS SHALL INCLUDE CLEANUP AND RESTORATION OF THE SITE TO A CONDITION AT LEAST AS GOOD AS BEFORE THE PROJECT COMMENCED, PLUS REPAIR OF ANY DAMAGE TO EXISTING FEATURES CAUSED BY THE CONSTRUCTION WORK.
8. REMOVAL AND DISPOSAL OF ANY AND ALL CONCRETE, OR ANY OTHER SCRAP MATERIALS THAT ARE GENERATED BY THIS PROJECT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THIS IS INCIDENTAL TO THE PROJECT COST AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFORE.
9. UNLESS OTHERWISE SPECIFIED TRENCH BACKFILL SHALL BE PLACED IN 8" MAX LIFTS, MOISTENED AND COMPACTED TO MIN. 90% PROCTOR DENSITY PER ASTM D1557. SUBGRADE 6" THICK BELOW STRUCTURES AND PAVEMENT SHALL BE COMPACTED TO MIN 95% PROCTOR DENSITY.
10. THE CONTRACTOR SHALL ACCOMPLISH THE WORK IN A MANNER THAT MINIMIZES THE TIME THAT ANY INDIVIDUAL AREA OF THE PROJECT IS UNDER CONSTRUCTION. CLEANUP AND RESTORATION OF INDIVIDUAL AREAS SHALL BE ACCOMPLISHED IN A TIMELY MANNER.
11. THE CONTRACTOR SHALL NOTIFY AND COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE OWNERS OF PRIVATE PROPERTIES THAT CONSTRUCTION WILL OCCUR ON.

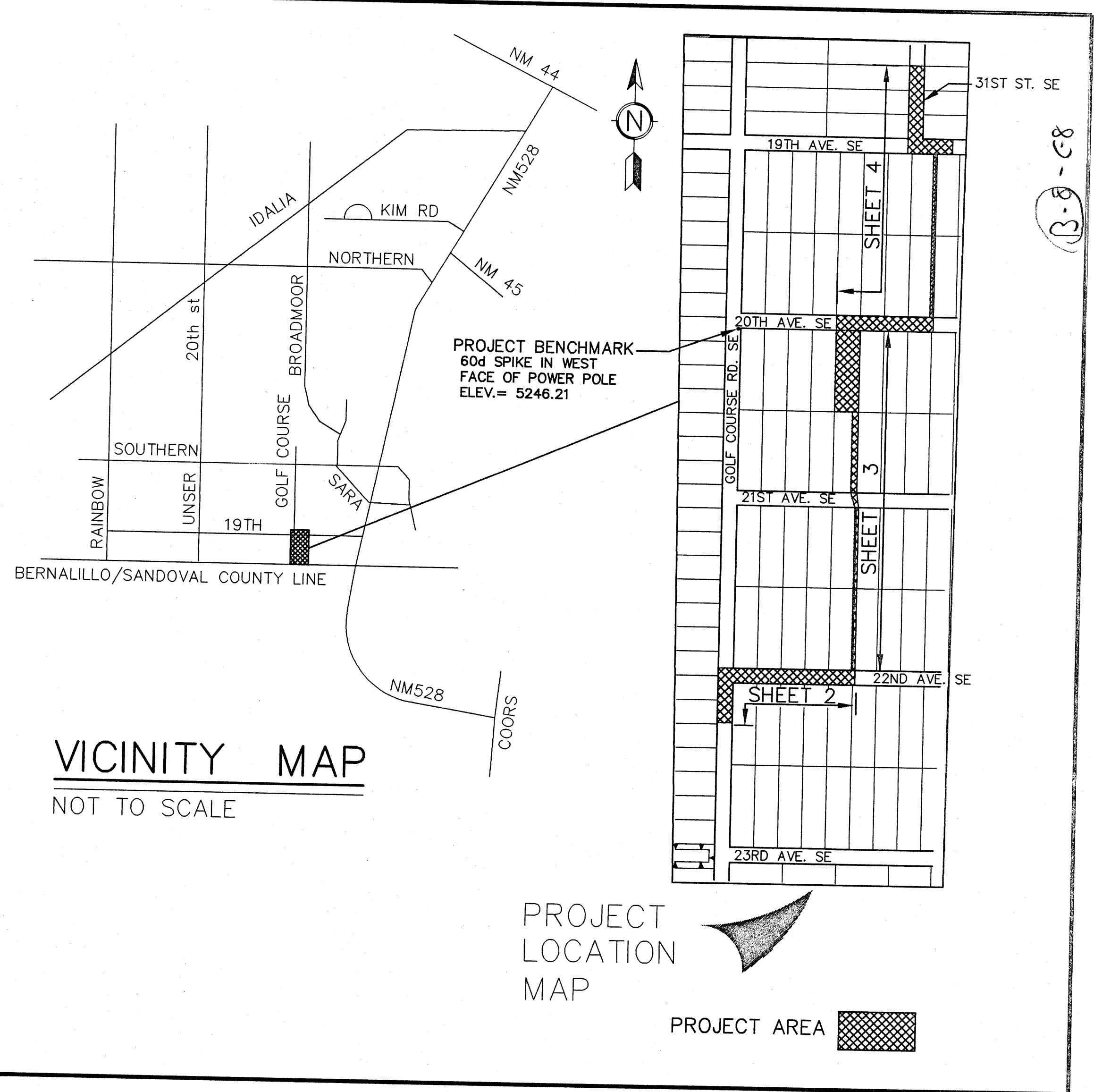
CITY OF RIO RANCHO



UNIT 16 EAST
DRAINAGE PROJECT

JANUARY 1996

DEPT OF PUBLIC WORKS
ENGINEERING DIVISION
CITY OF RIO RANCHO

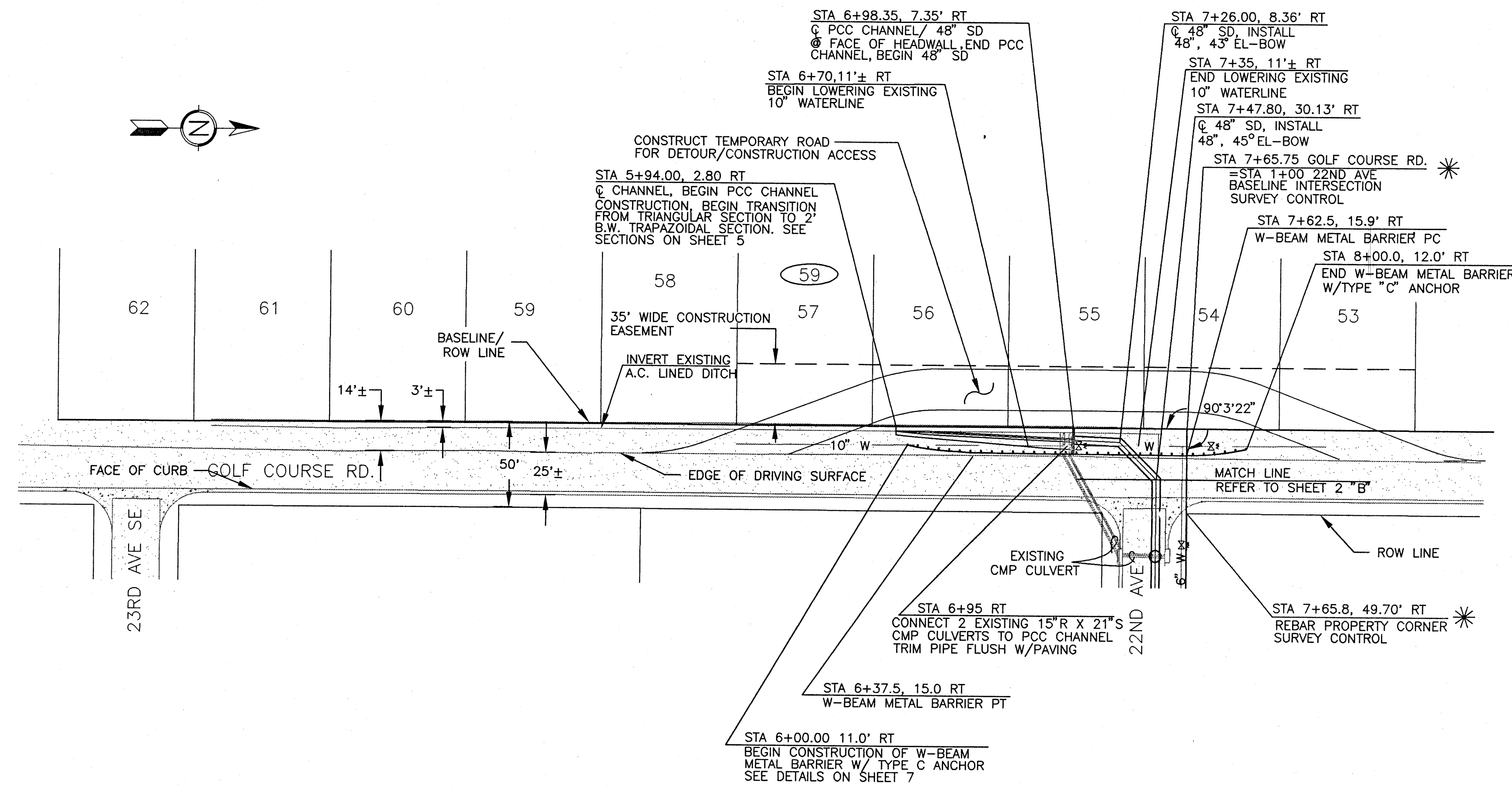


INDEX OF SHEETS

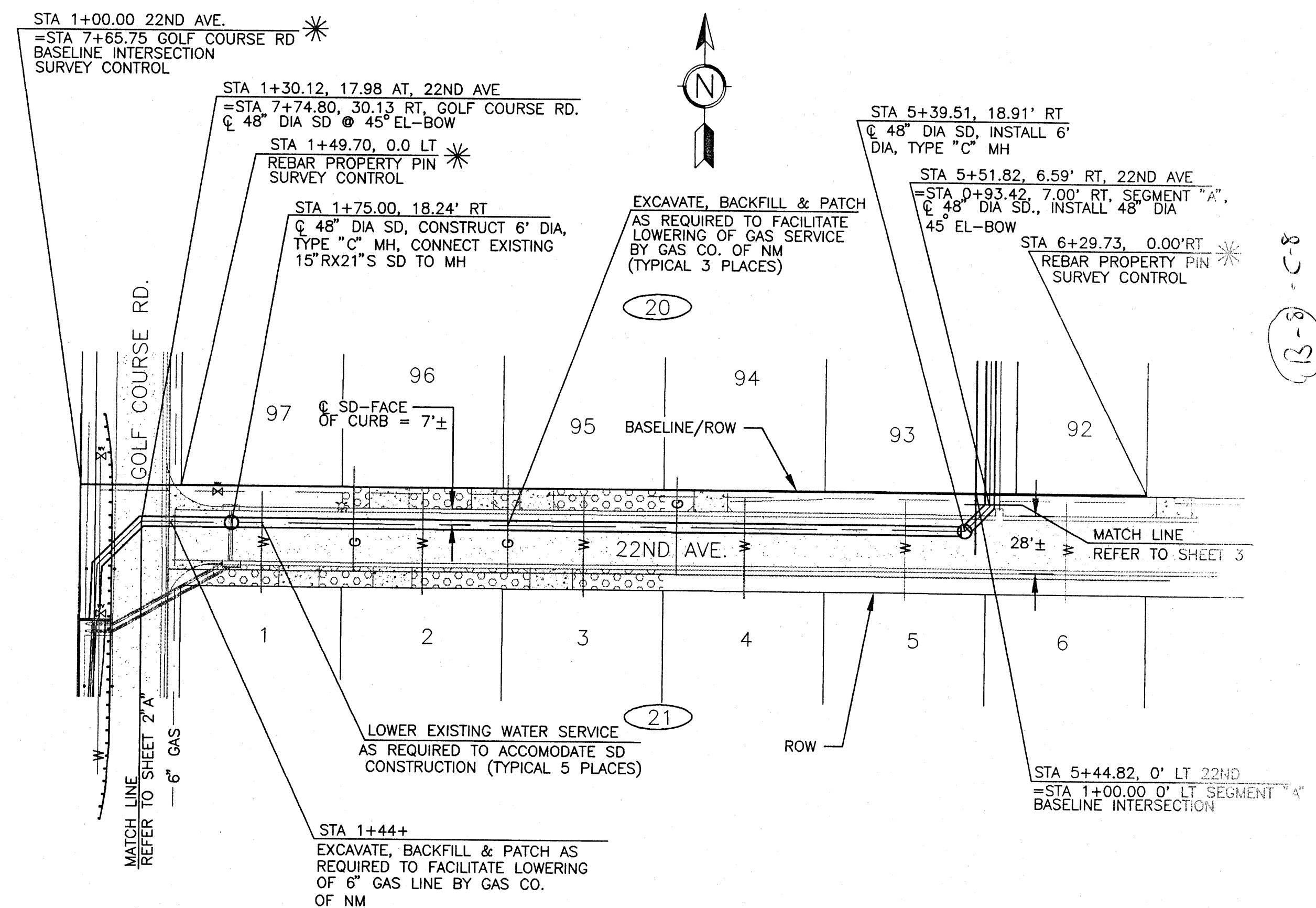
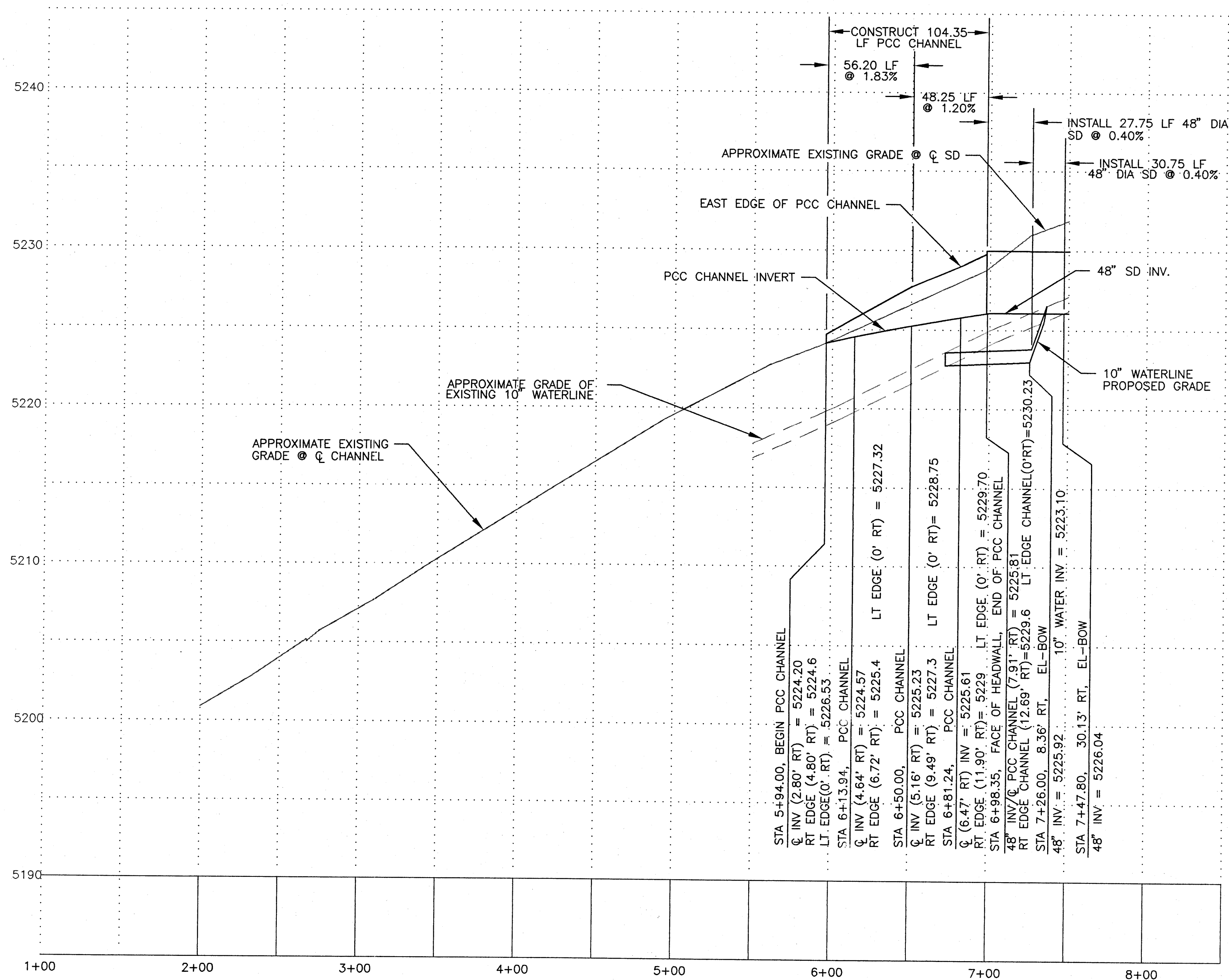
DESCRIPTION	SHEET NO.
COVER SHEET	1
GOLF COURSE RD. AND 22ND AVE PLAN AND PROFILE	2
SEGMENT "A" PLAN AND PROFILE	3
20TH AVE AND SEGMENT "B" PLAN AND PROFILE	4
DETAILS AND SECTIONS	5
DETAILS AND SECTIONS	6
DETAILS AND SECTIONS	7

LEGEND

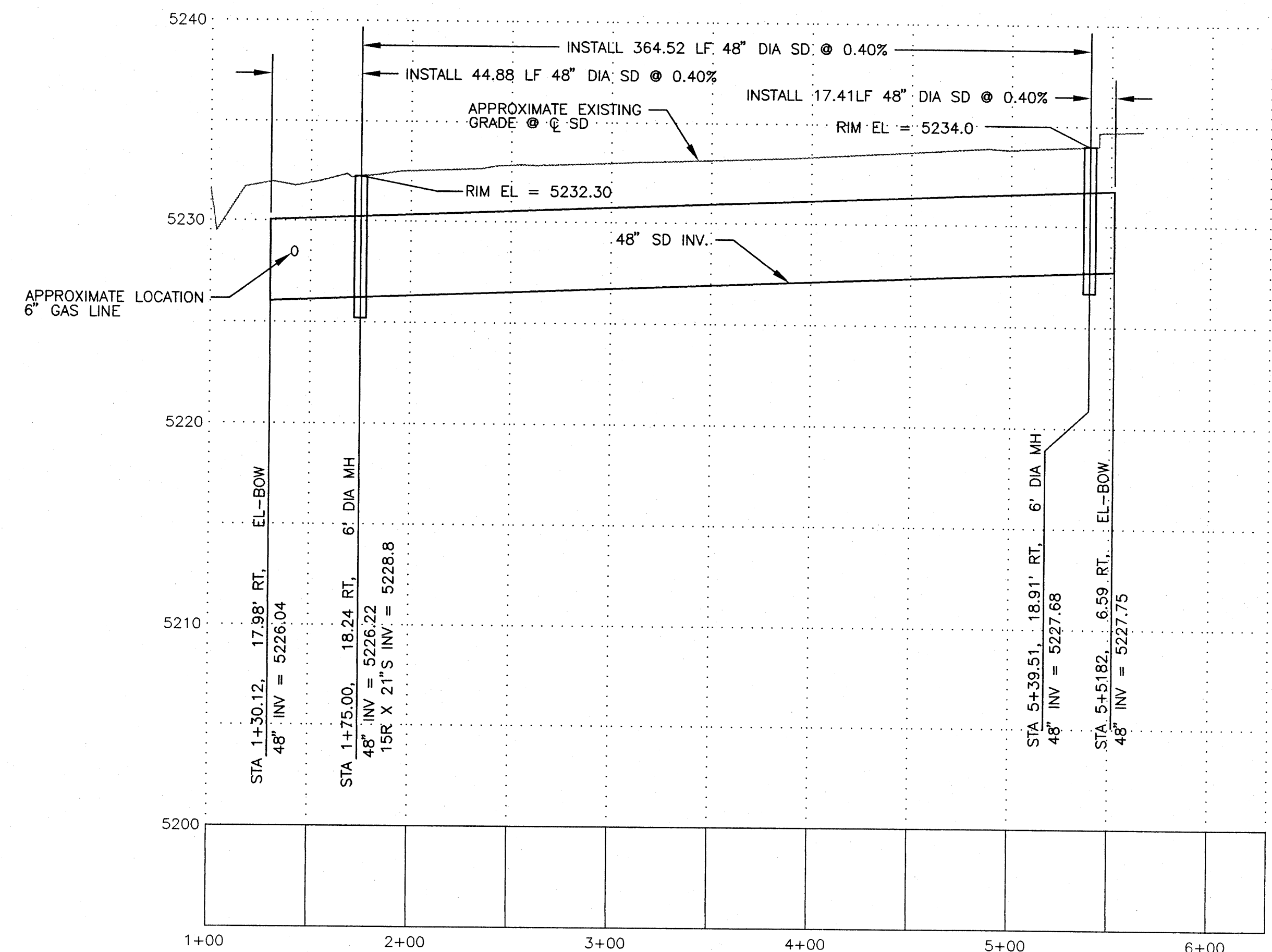
AC	ASPHALT CONCRETE		EXISTING PCC PAVING
BM	BENCHMARK		EXISTING GRAVELED AREA
BW	BOTTOM WIDTH		EXISTING TURF GRASS
C&G	CURB AND GUTTER		EXISTING ASPHALT PAVING
C	CENTER LINE		EXISTING SHRUB OR BUSH
DIA	DIAMETER		EXISTING TREE
E	ELECTRIC		EXISTING FENCE OR WALL
EL	ELEVATION		PROPOSED FENCE OR WALL
FL	FLOWLINE ELEVATION		POWER POLE
G	GAS		SANITARY SEWER MANHOLE
INV	INVERT		WATER VALVE
LF	LINEAR FEET		FIRE HYDRANT
LT	LEFT		ANGLE POINT
MH	MANHOLE		BLOCK NUMBER
PC	POINT OF CURVATURE		LOT NUMBER
PCC	PORTLAND CEMENT CONCRETE		
PT	POINT OF TANGENCY		
RT	RIGHT		
SD	STORM DRAIN		
STA	STATION		
SW	SIDEWALK		
T	TELEPHONE		
TC	TOP OF CURB ELEVATION		
UG	UNDER GROUND		
W	WATER		
WWF	WELDED WIRE FABRIC		

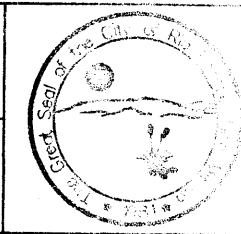


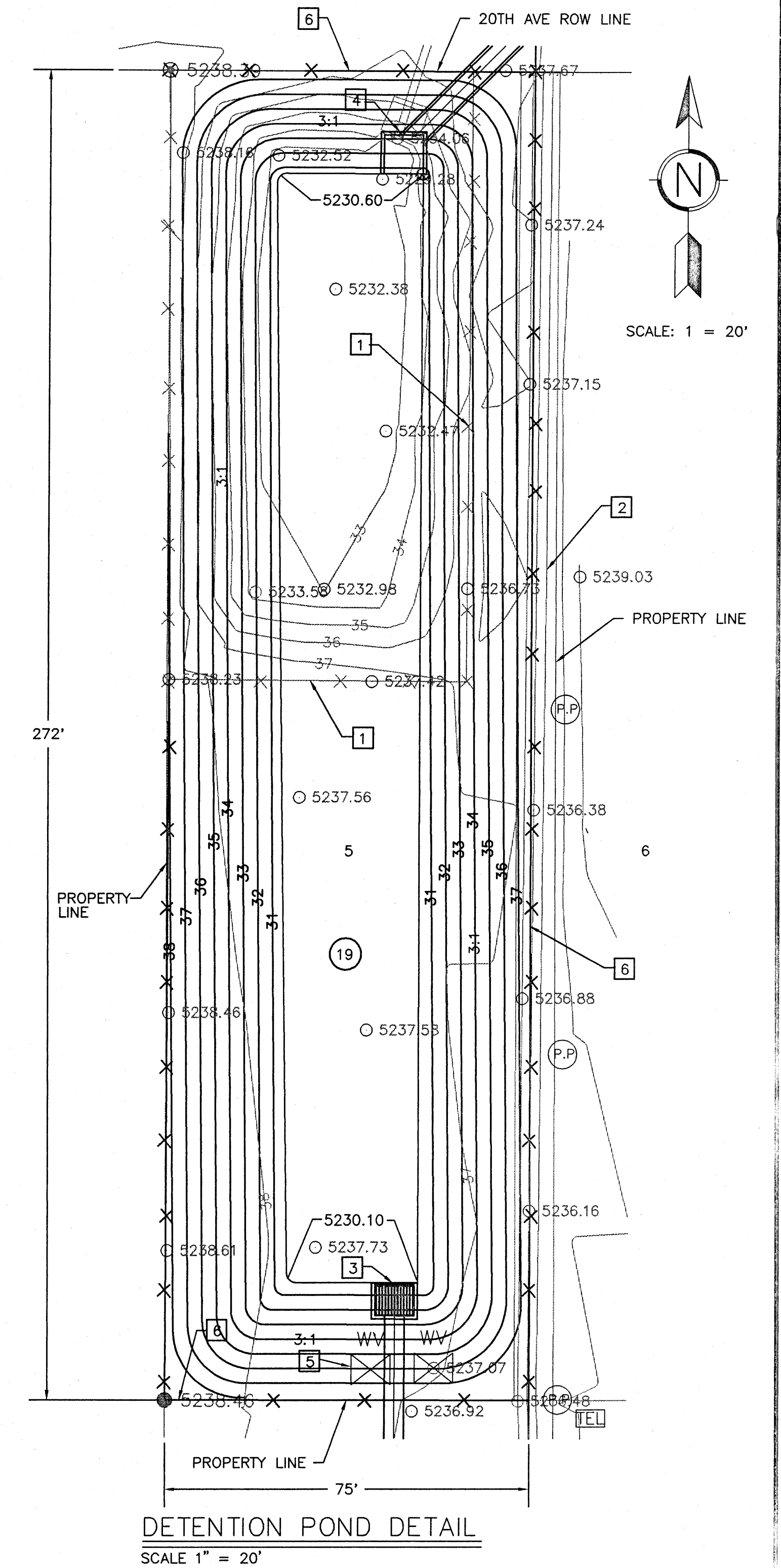
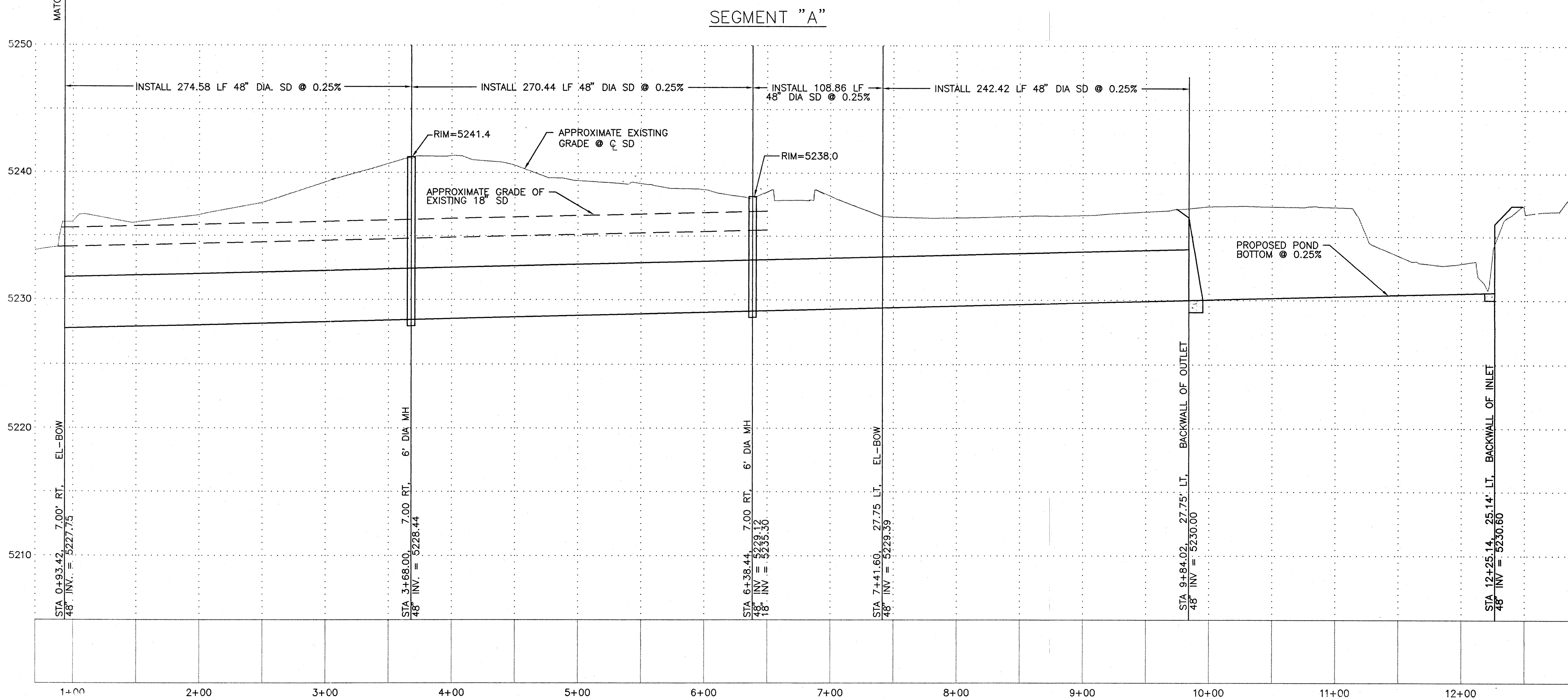
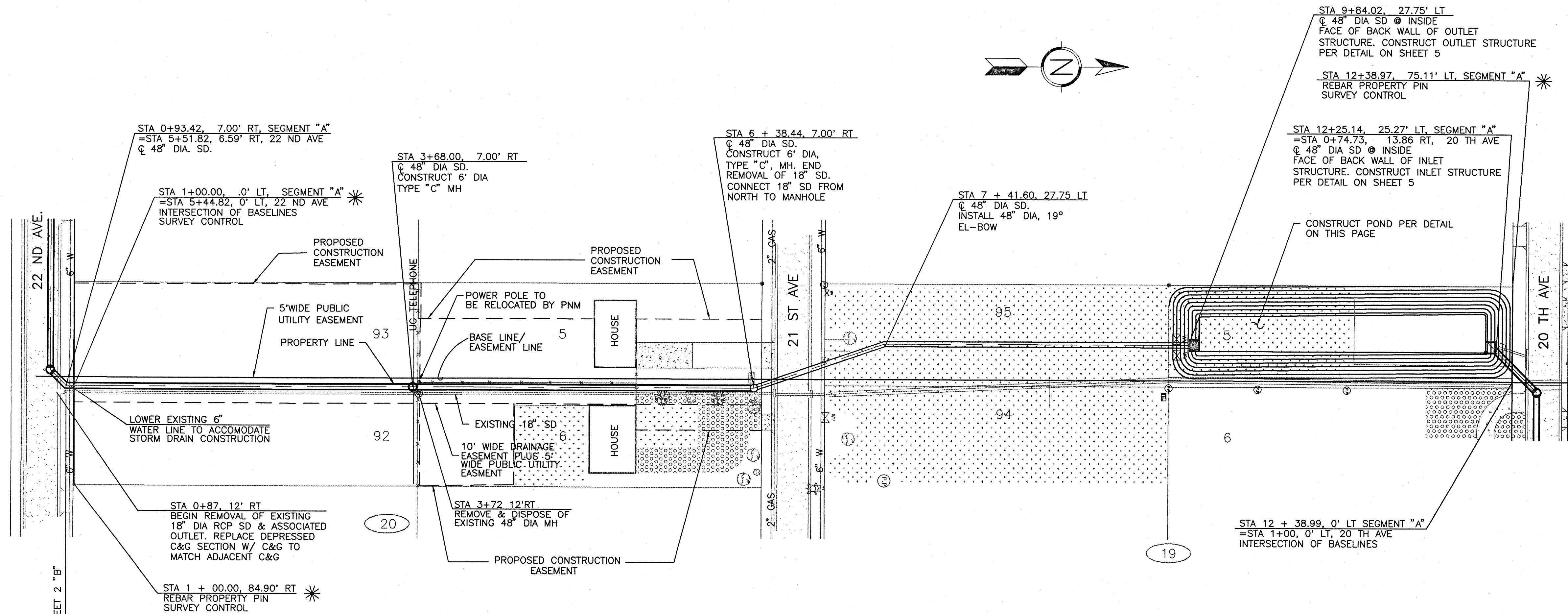
"A"
GOLF COURSE ROAD



"B"
22ND AVENUE



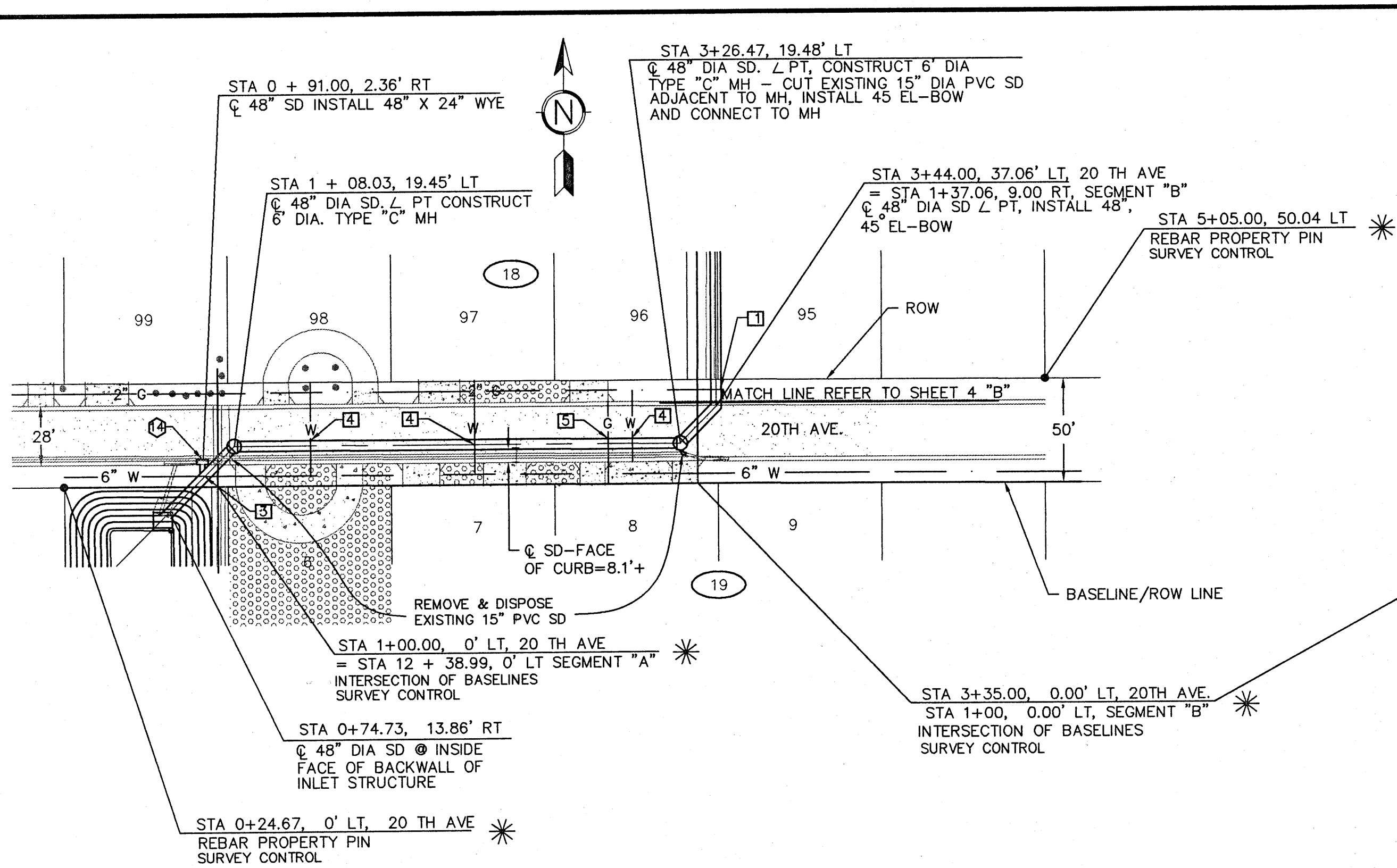
CITY OF RIO RANCHO		
DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		
INFRASTRUCTURE		DESIGNED BY VSF
UNIT 16 EAST DRAINAGE PROJECT		DRAWN BY VSF/HAM
GOLF COURSE ROAD AND 22ND AVE.		CHECKED BY JPF/VSF
PLAN AND PROFILE		APPRD. BY JPF
SCALE: HORIZ 1" = 50'		DATE JAN, 1996
VERT 1" = 5'		ENGINEER'S PROJECT NO. 2 OF 7
CITY ENGINEER		



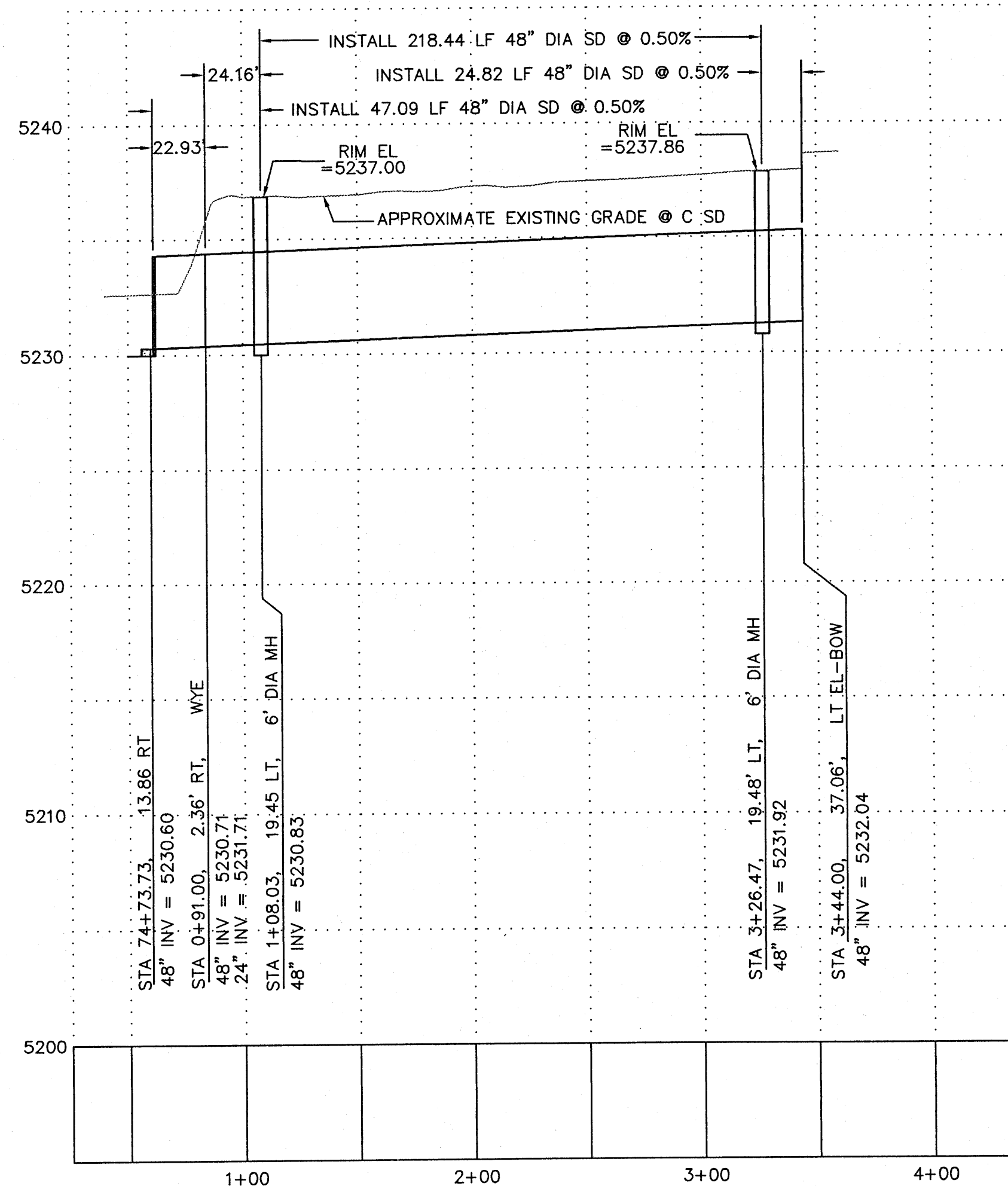
KEYED NOTES:

- REMOVE & RETURN EXISTING 4' HIGH CHAIN LINK FENCE TO CITY OF RIO RANCHO MAINTENANCE YARD. (NORTH, SOUTH, & EAST SIDES ONLY)
- EXISTING PCC CHANNEL PAVING TO REMAIN
- CONSTRUCT OUTLET STRUCTURE PER DETAIL ON SHEET 5
- CONSTRUCT INLET STRUCTURE PER DETAIL ON SHEET 5
- RELOCATE IRRIGATION SYSTEM VALVES AS REQUIRED
- CMU WALL OR CHAIN LINK FENCE BY OTHERS

CITY OF RIO RANCHO DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		DESIGNED BY VSF
INFRASTRUCTURE		DRAWN BY VSF/WAM
UNIT 16 EAST DRAINAGE PROJECT SEGMENT "A"		CHECKED BY JPF
PLAN AND PROFILE		APRVD. BY JPF
SCALE: HORZ. 1" = 50'		DATE JAN., 1996
VERT. 1" = 50'		ENGINEER'S PROJECT NO. 3 OF 6



SEGMENT "A"
20TH AVENUE

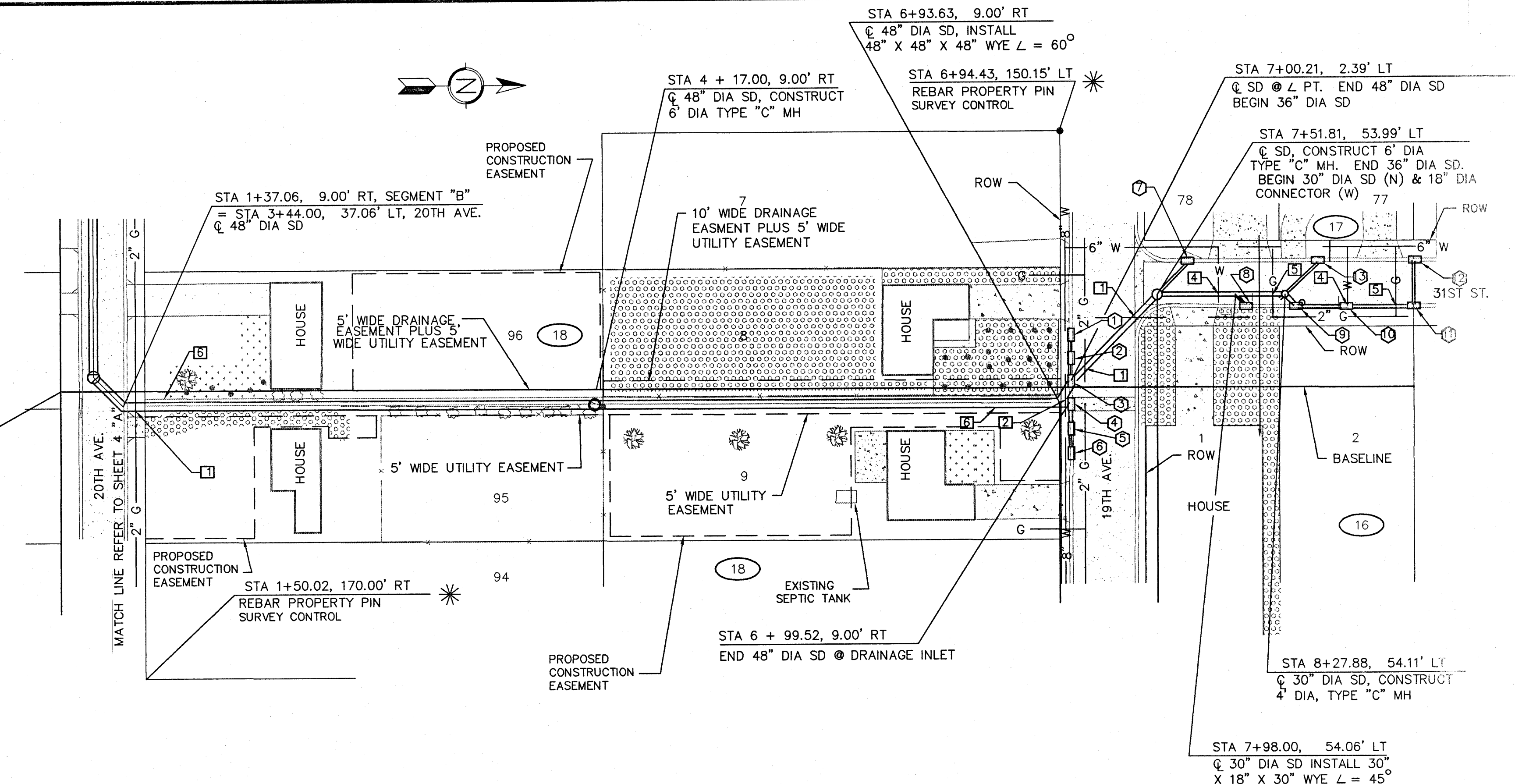


KEYED NOTES:

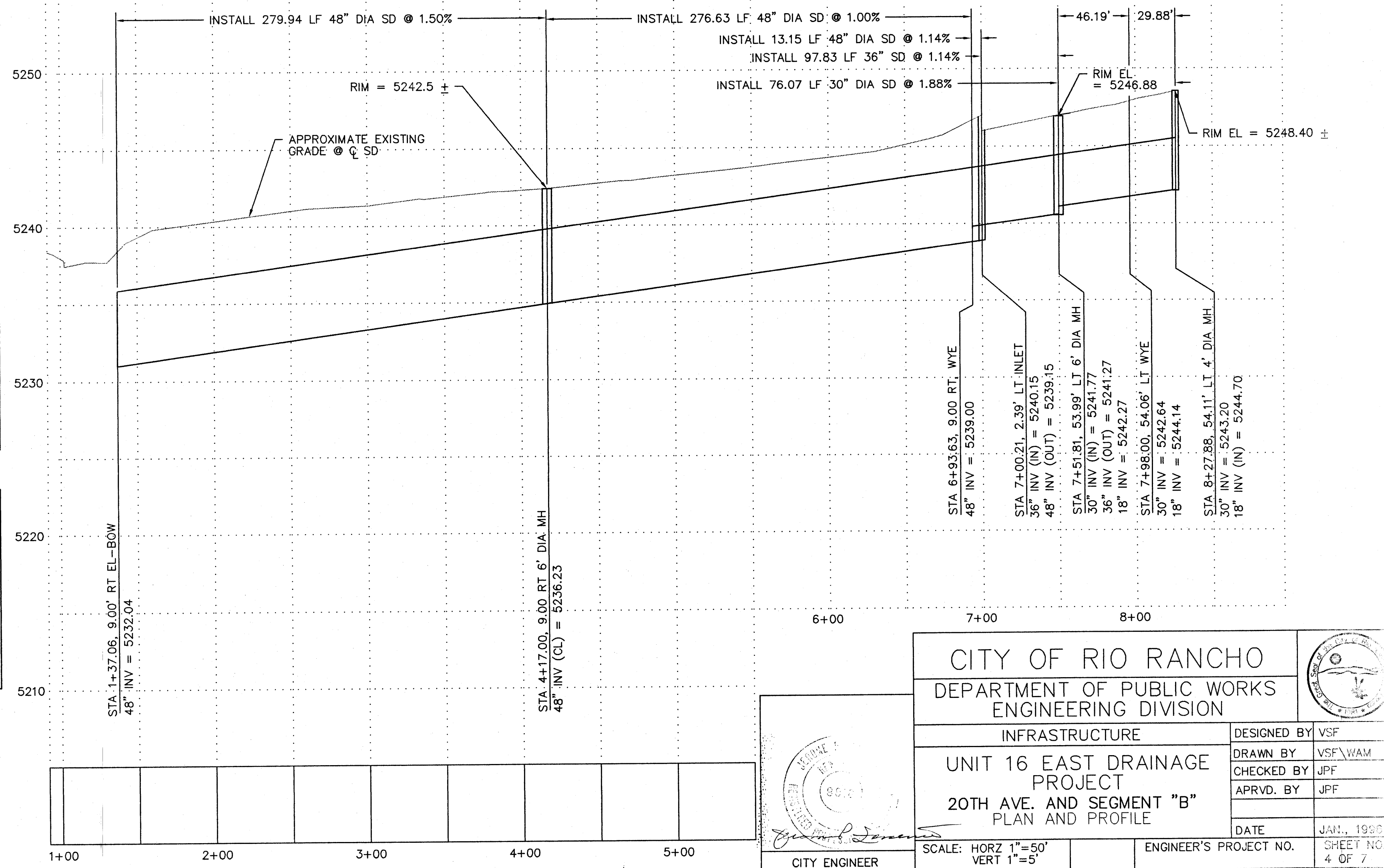
- EXCAVATE, BACKFILL & PATCH AS REQUIRED TO FACILITATE LOWERING OF 2" GAS LINE BY GAS CO. OF NM.
- LOWER EXISTING 8" DIA WATERLINE AS REQUIRED TO FACILITATE S.D. CONSTRUCTION.
- LOWER EXISTING 6" DIA. WATERLINE AS REQUIRED TO FACILITATE S.D. CONSTRUCTION.
- LOWER EXISTING WATER SERVICE AS REQUIRED TO FACILITATE S.D. CONSTRUCTION.
- EXCAVATE, BACKFILL & PATCH AS REQUIRED TO FACILITATE RELOCATION OF GAS SERVICE BY GAS CO. OF NM.
- REMOVE AND DISPOSE OF EXISTING 4' WIDE X 6" THICK X 565' LONG PCC CHANNEL PAVING. REPLACE DEPRESSED C&G AT ENDS W/ C&G TO MATCH ADJACENT C&G.
- CONSTRUCT DRAINAGE INLET AND CONNECTOR PIPE PER DETAILS ON SHEET - 6 AND DATA TABLES ON THIS SHEET.

DRAINAGE INLET DATA					
ID #	TYPE	TBC EL	INV EL	STA	OFFSET
1	"A"	5246.62	5242.10	7+00	30'LT
2	DBL "C"	5246.54	5241.50	7+00	17'LT
3	DBL "C"	5246.54	5239.15	7+00	3.6'LT
4	DBL "C"	5246.48	5239.09	7+00	10'RT
5	DBL "C"	5246.48	5241.00	7+00	24'RT
6	"A"	5246.56	5242.60	7+00	39'RT
7	DBL "C"	5247.90	5243.90	7+70	74.5'LT
8	DBL "C"	5248.43	5244.40	8+05	46.5'LT
9	DBL "C"	5249.06	5243.60	8+34	46.5'LT
10	DBL "C"	5249.82	5245.30	8+64	46.5'LT
11	"A"	5250.96	5246.60	9+05	46.5'LT
12	"A"	5250.98	5247.00	9+05	74.5'LT
13	DBL "C"	5249.38	5245.30	8+48	74.5'LT
14	DBL "C"	5237.45	5232.50	0+89	11.4'LT

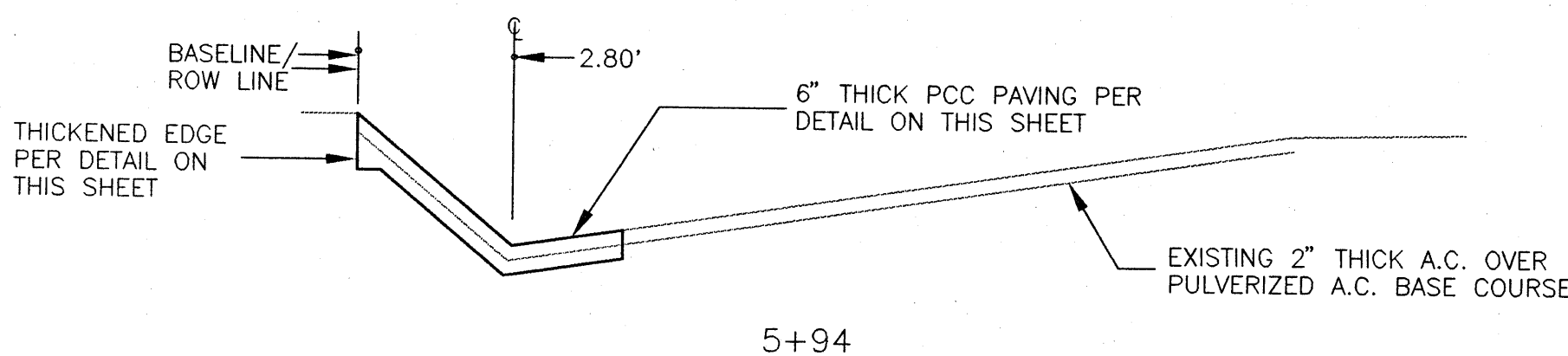
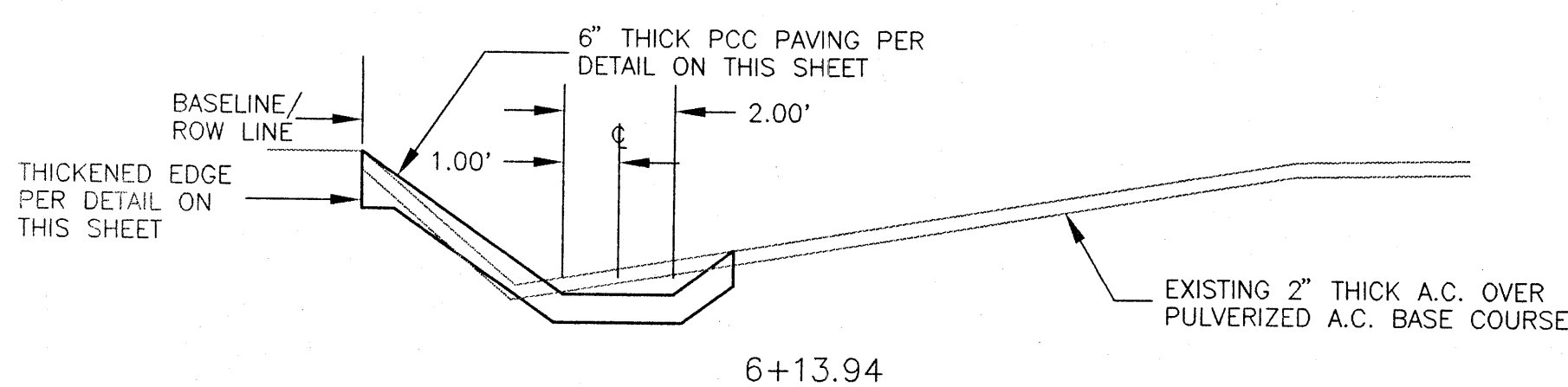
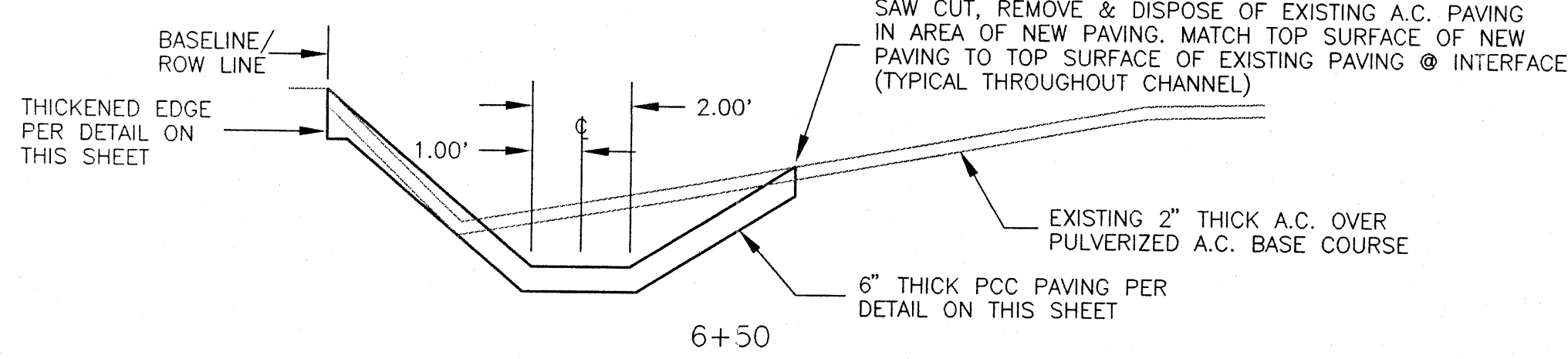
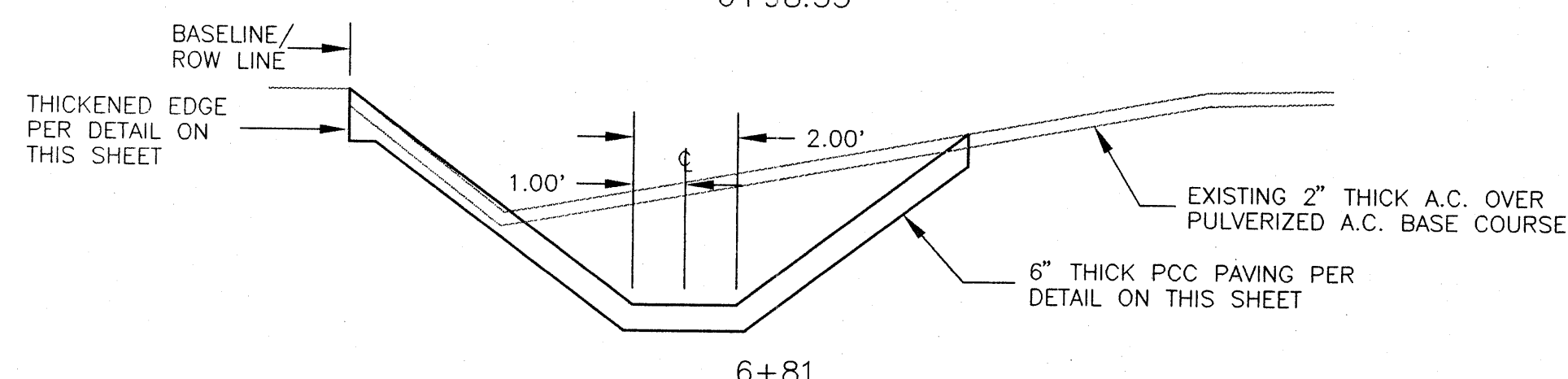
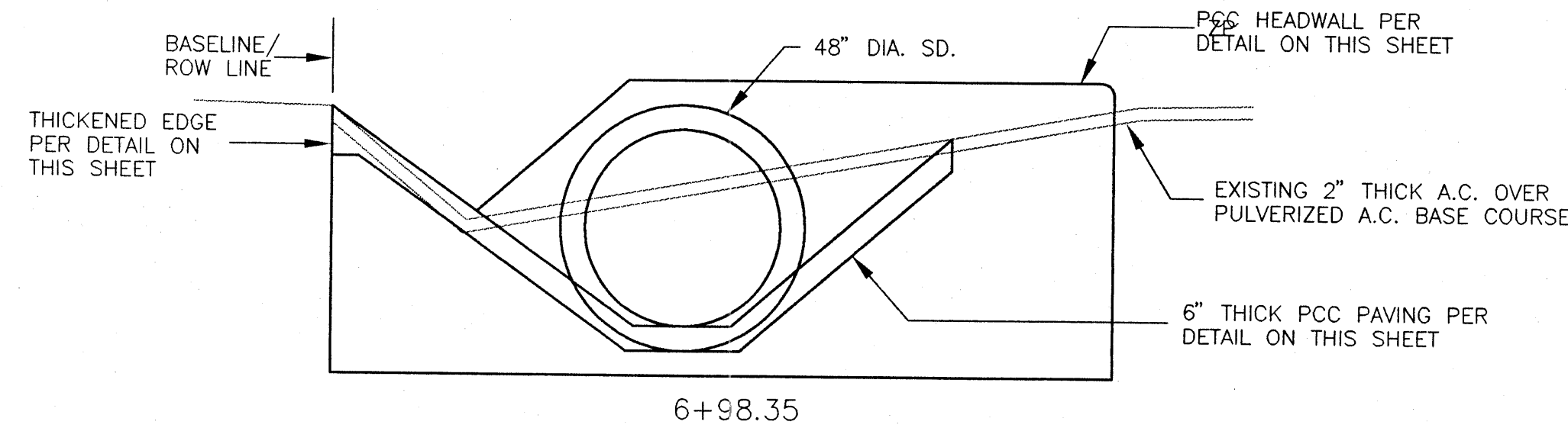
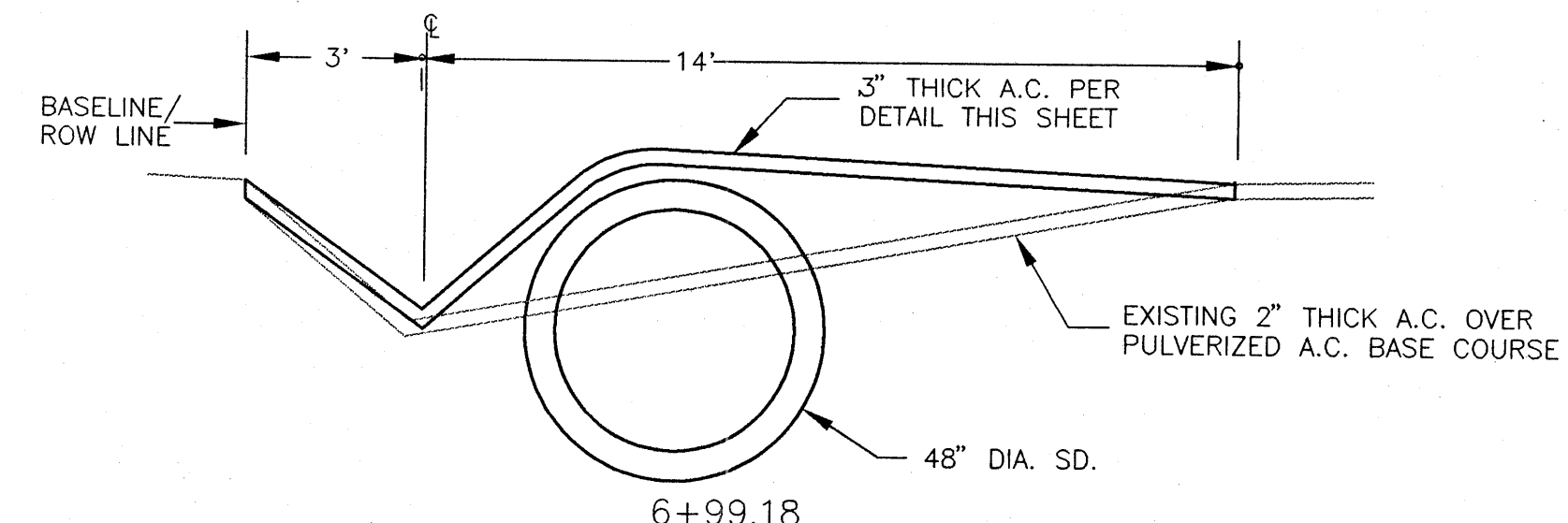
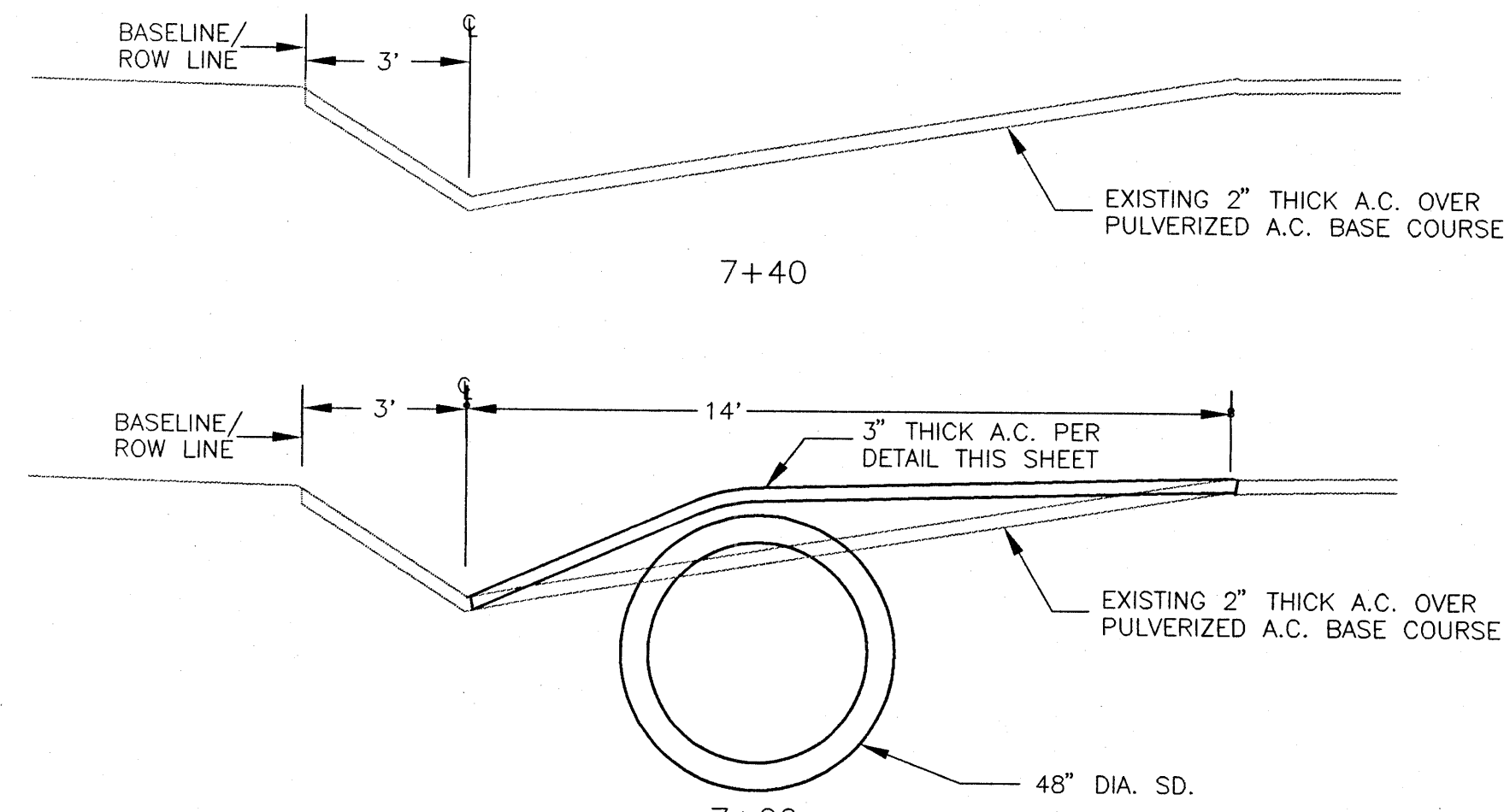
CONNECTOR PIPE DATA					
FROM	INV EL	TO	INV EL	DIA	LENGTH
DI 1	5242.1	DI 2	5241.8	24"	7'
DI 2	5241.5	DI 3	5241.0	30"	7'
DI 5	5241.0	DI 4	5240.5	30"	8'
DI 6	5242.6	DI 5	5242.1	24"	8'
DI 7	5243.9	MH	5242.7	18"	8'
DI 8	5244.4	WYE	5242.94	18"	8'
DI 9	5243.6	MH	5243.2	30"	7'
DI 10	5245.3	DI 9	5244.1	24"	31'
DI 11	5246.6	DI 10	5245.8	24"	35'
DI 12	5247.0	DI 11	5246.7	18"	24'
DI 13	5245.3	MH	5244.7	18"	27'
DI 14	5232.5	WYE	5231.71	30"	9'



SEGMENT "B"

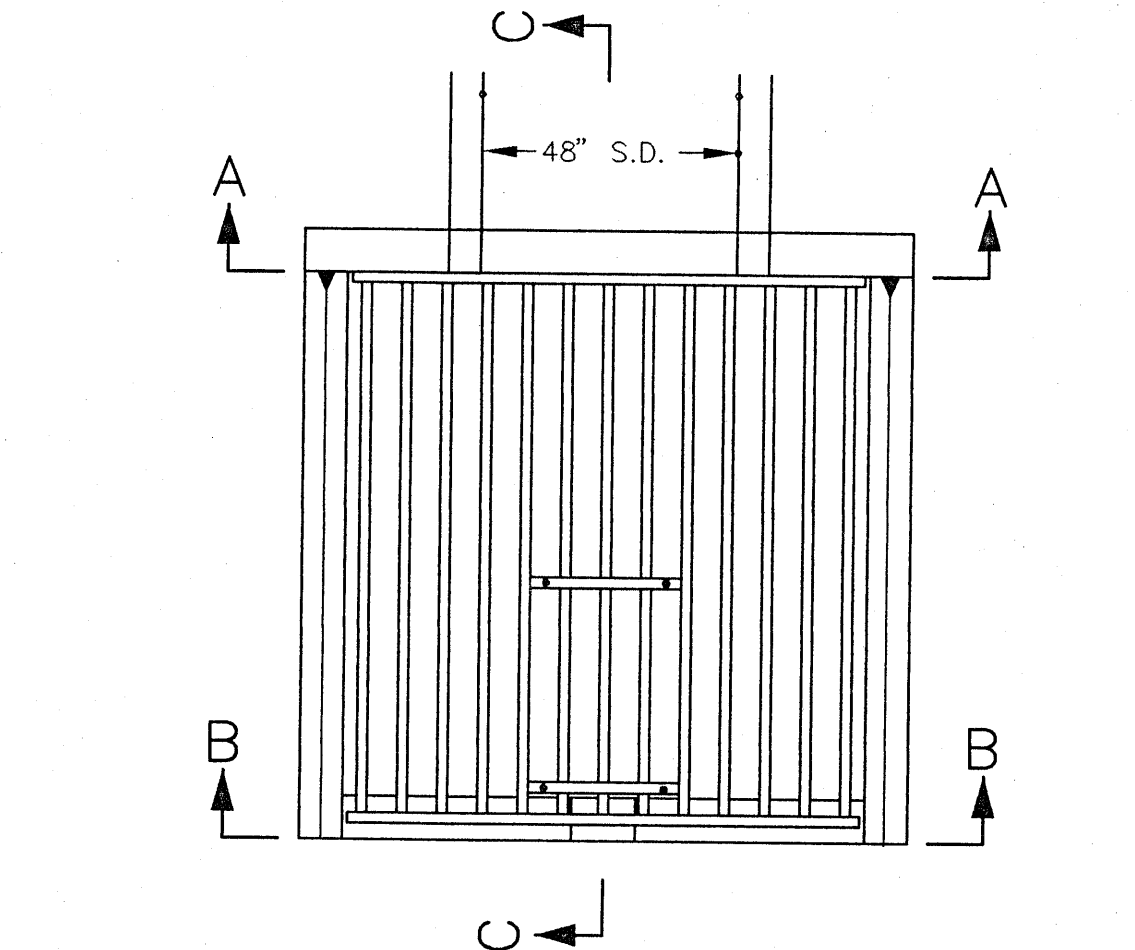


CITY OF RIO RANCHO		DESIGNED BY VSF
DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		
INFRASTRUCTURE		DRAWN BY VSF/WAM
UNIT 16 EAST DRAINAGE PROJECT		CHECKED BY JPF
20TH AVE. AND SEGMENT "B" PLAN AND PROFILE		APRVD. BY JPF
DATE	JAN., 1998	ENGINEER'S PROJECT NO.
SCALE: HORZ 1"=50' VERT 1"=5'		SHEET NO. 4 OF 7



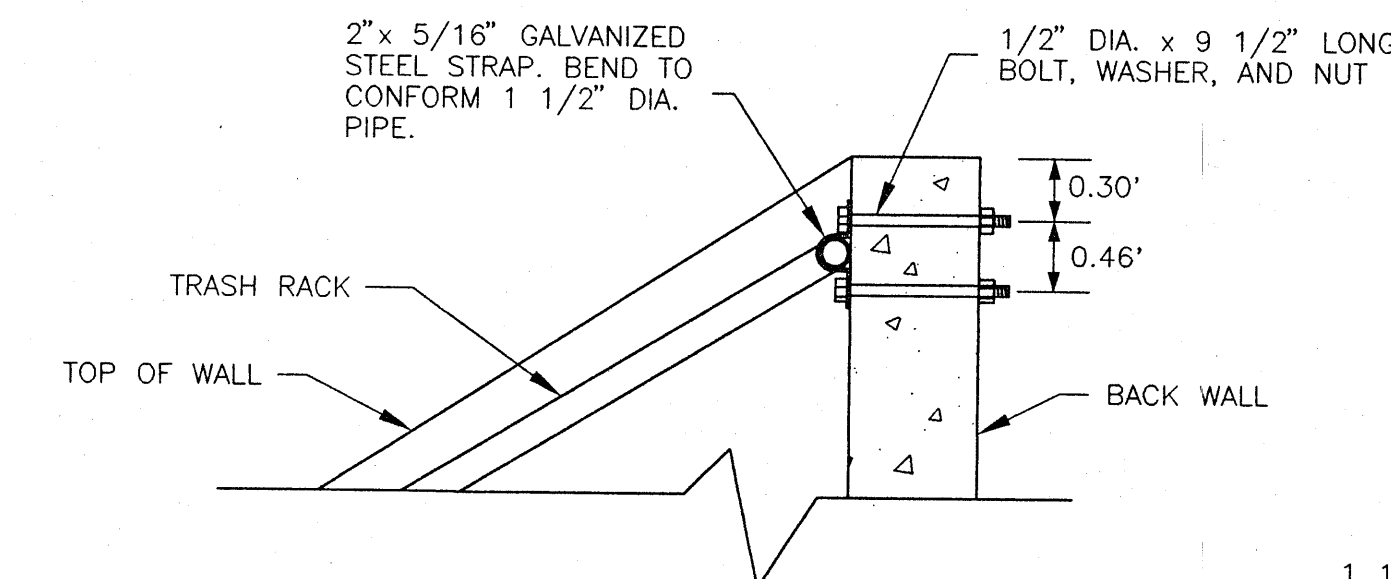
GOLF COURSE ROAD CHANNEL SECTIONS

SCALE: HORIZ. 1"=3'



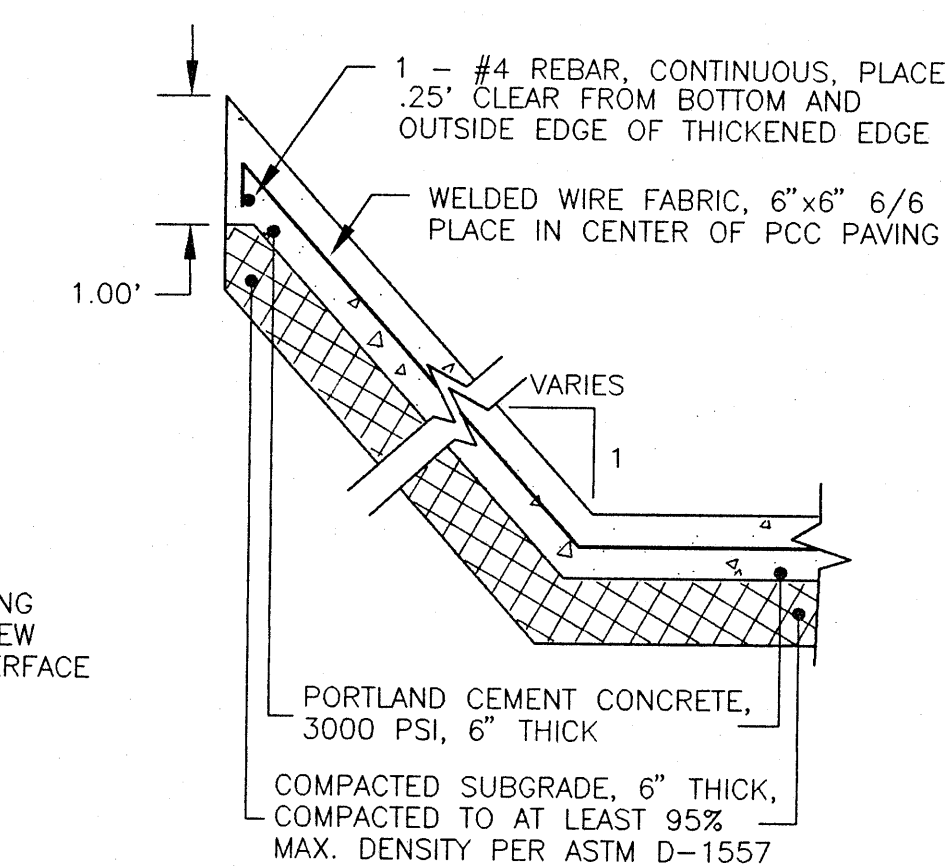
POND OUTLET STRUCTURE PLAN VIEW

N.T.S.



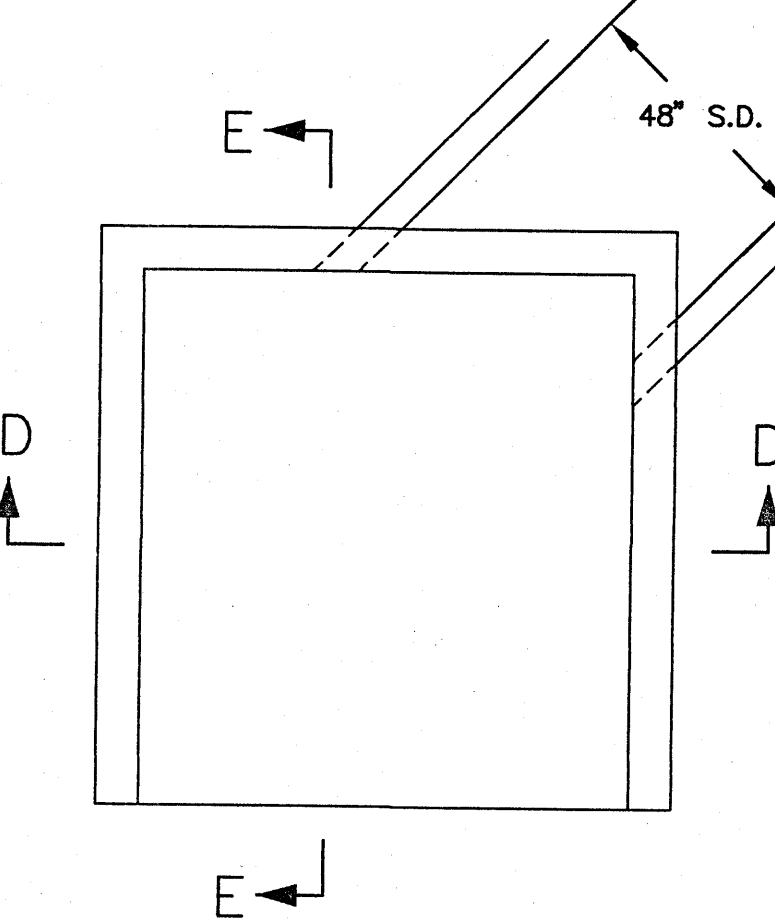
TRASH RACK TOP CONNECTION DETAIL

N.T.S.



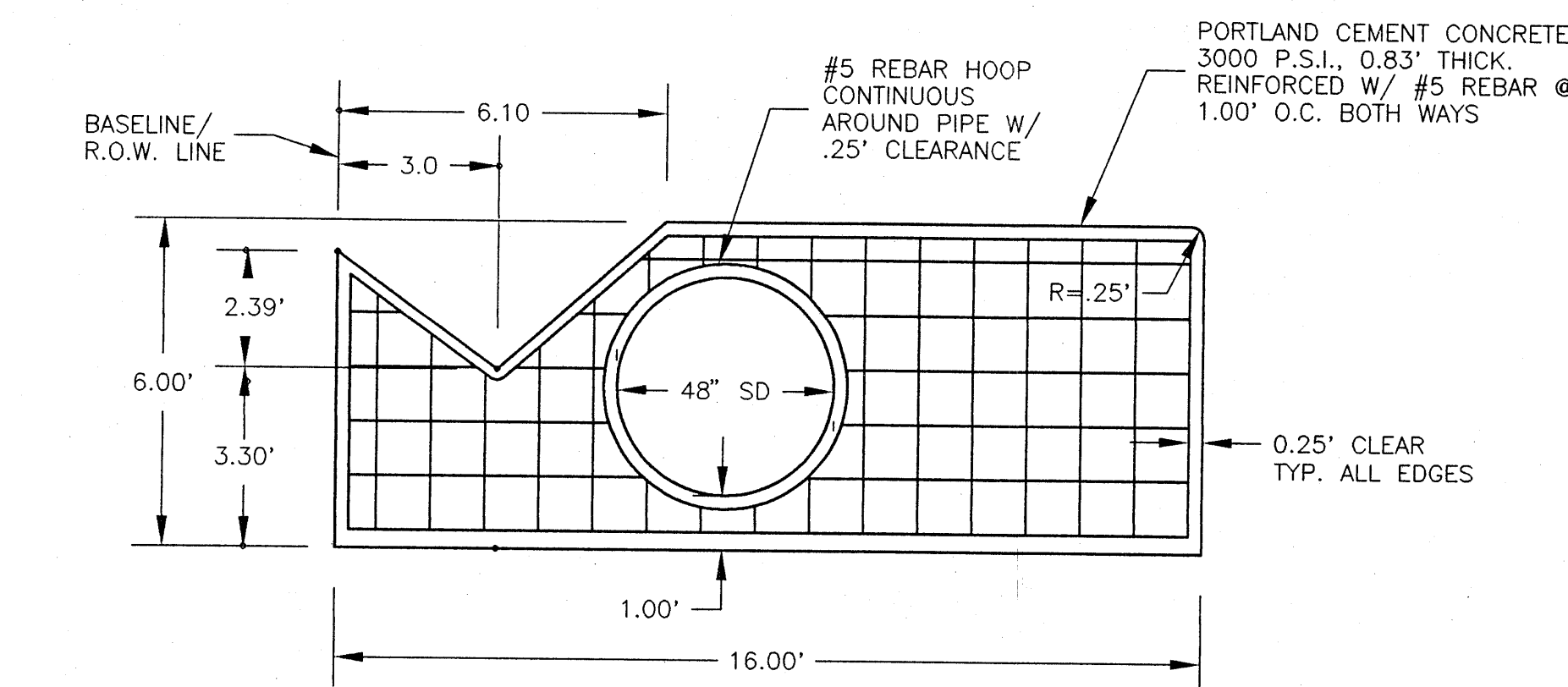
PORTLAND CEMENT CHANNEL PAVING SECTION

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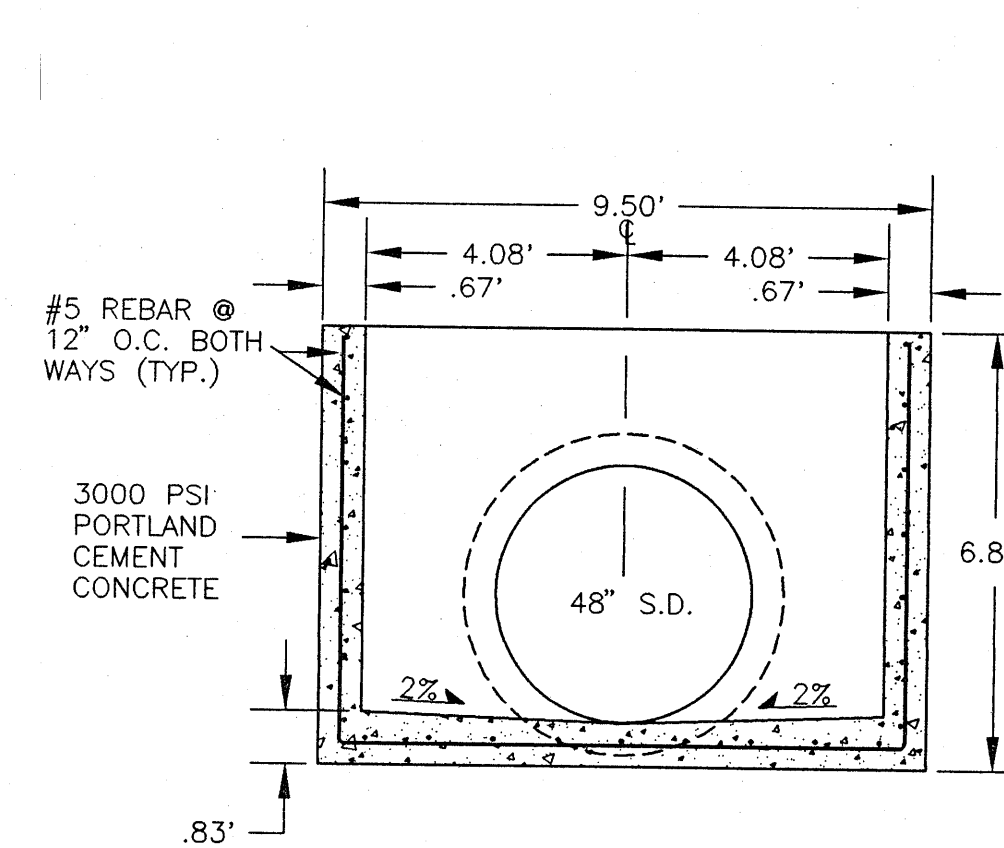
POND INLET PLAN VIEW

N.T.S.



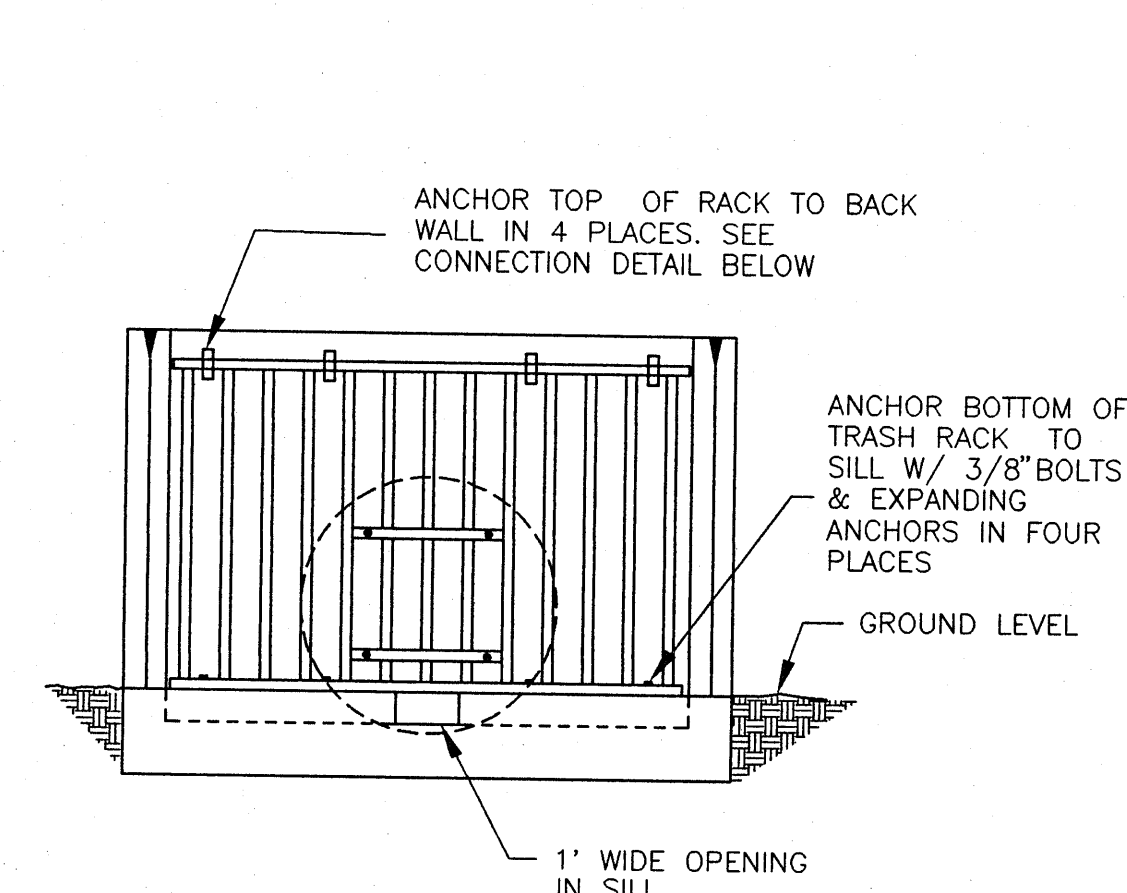
HEADWALL SECTION

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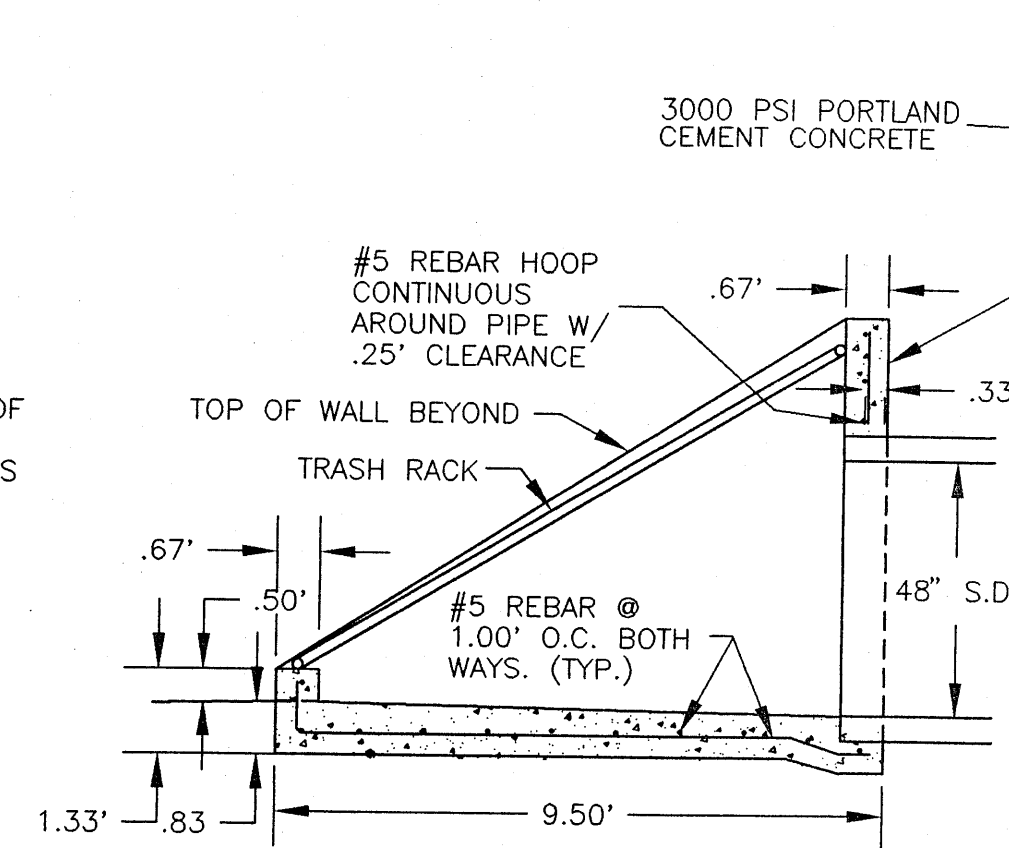
SECTION A-A

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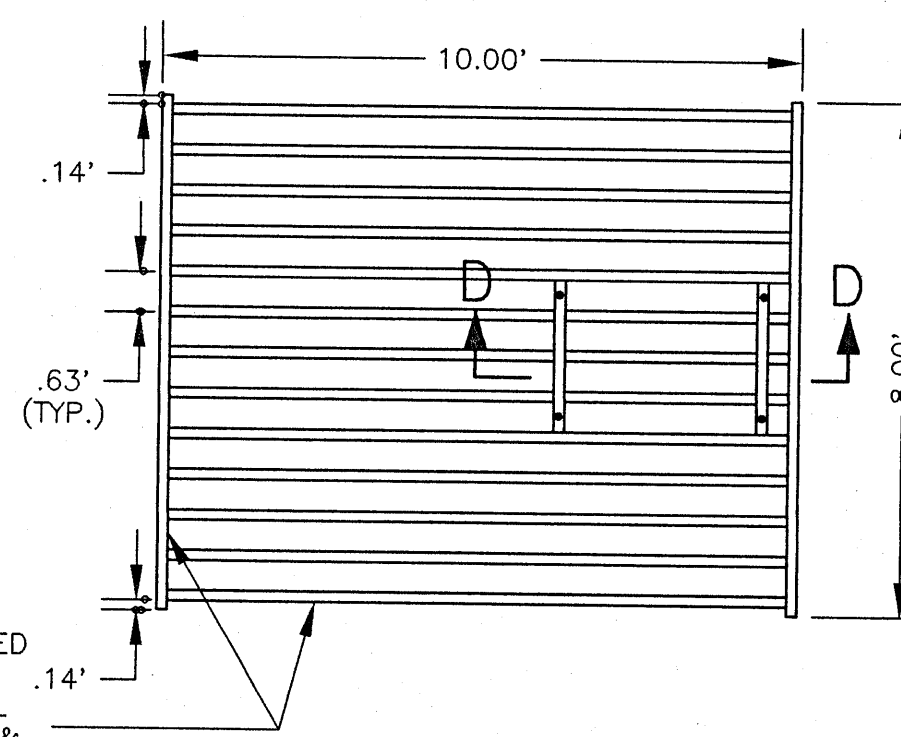
FRONT ELEVATION B-B

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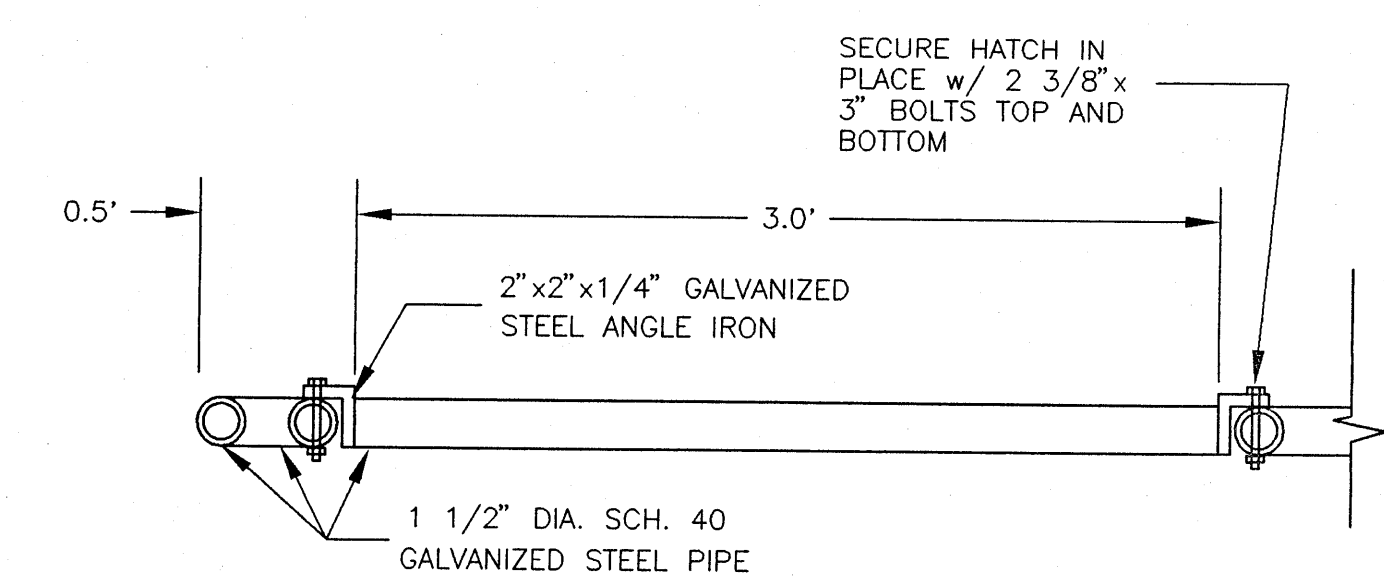
SECTION C-C

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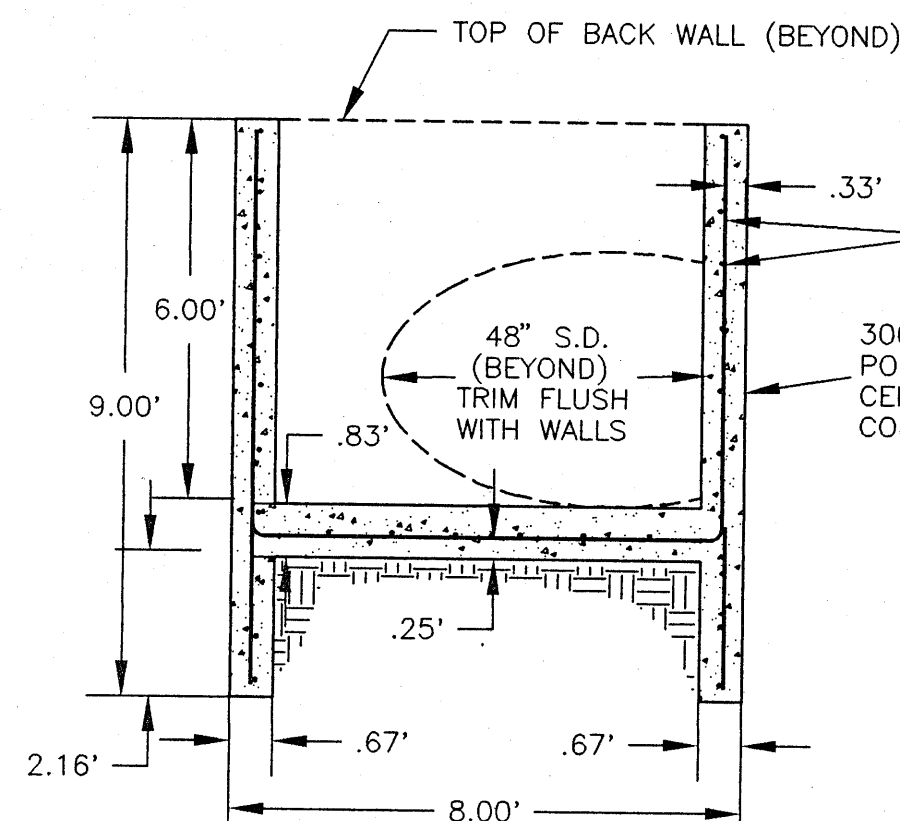
TRASH RACK PLAN VIEW

N.T.S.



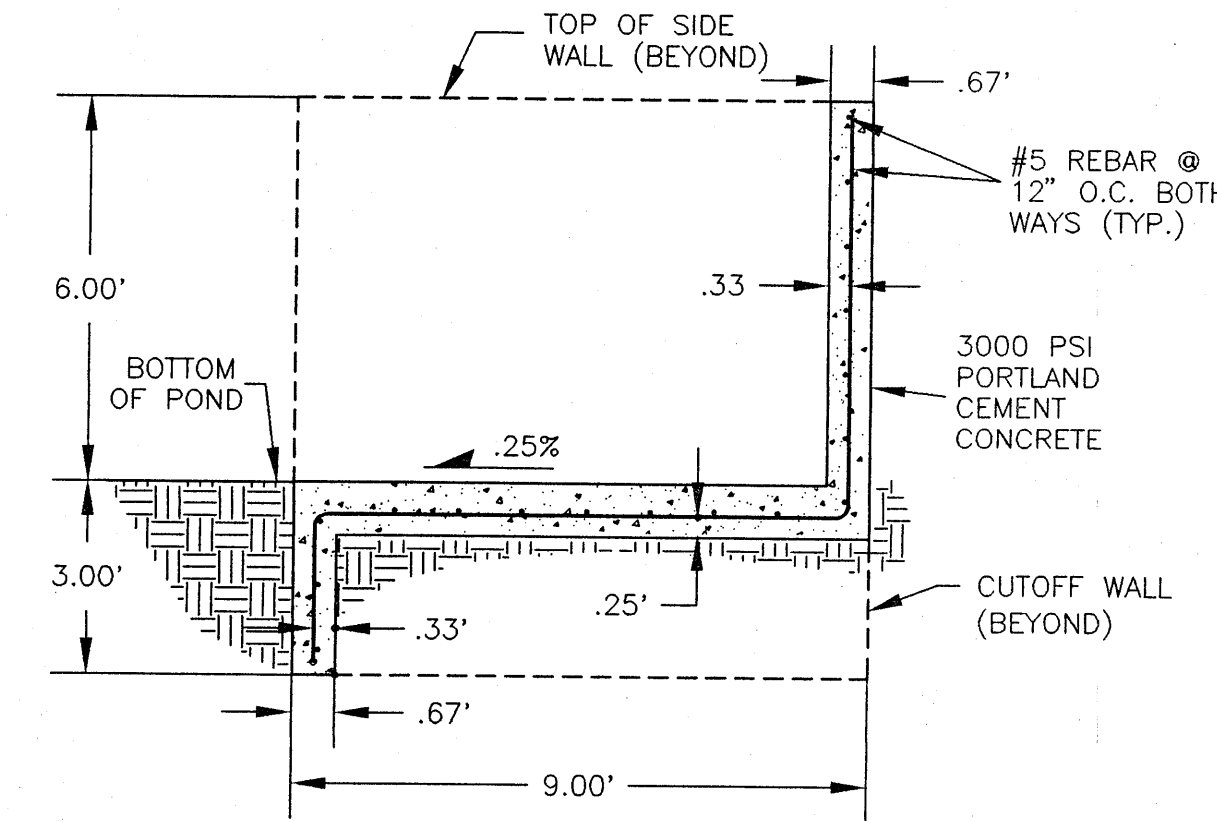
TRASH RACK ACCESS HATCH ELEVATION

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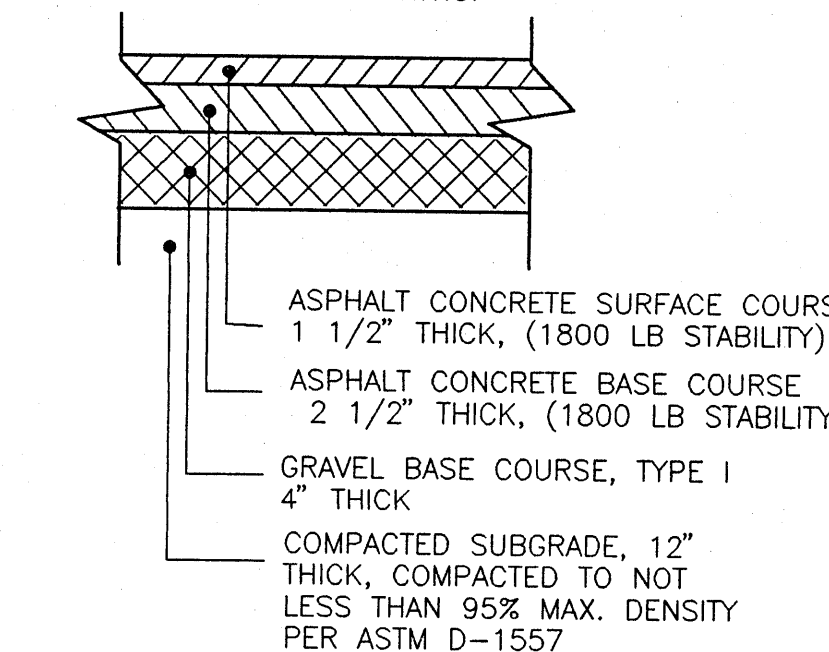
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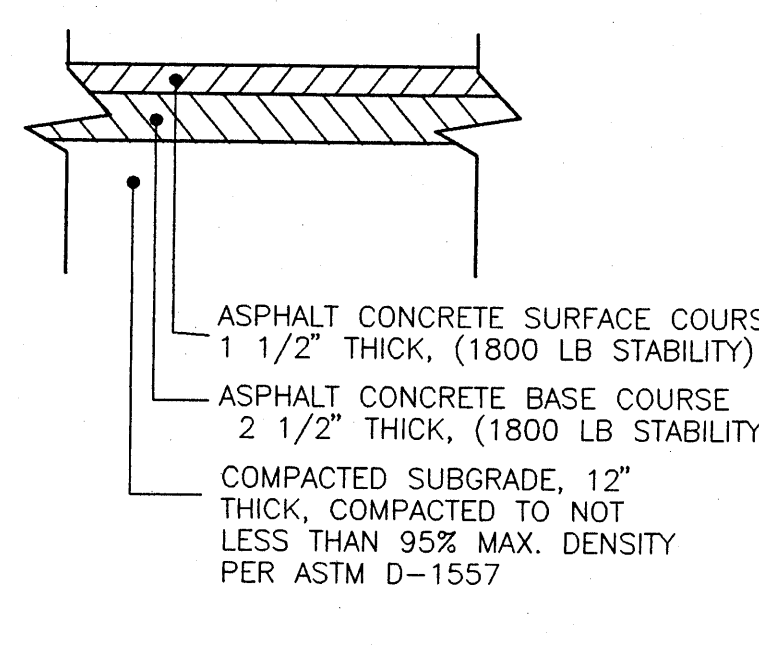


SECTION E-E

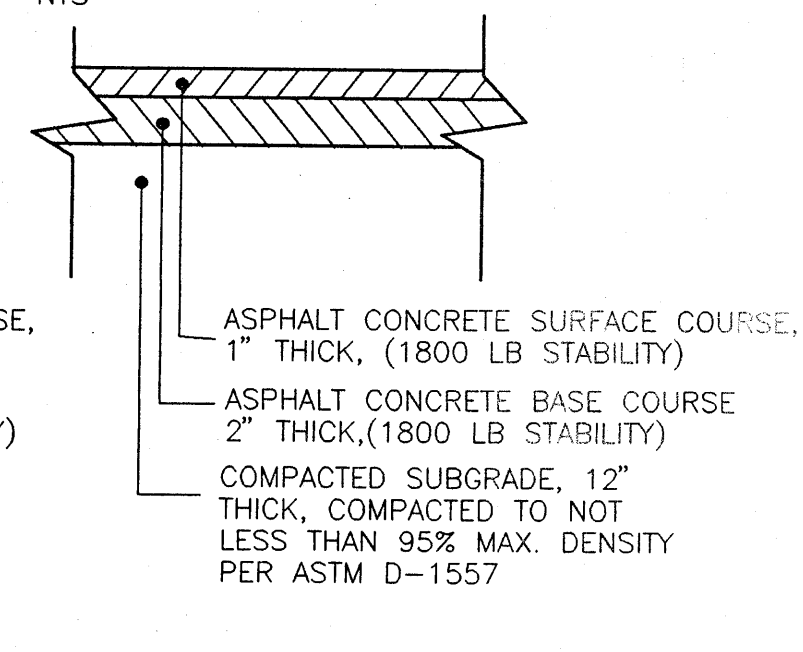
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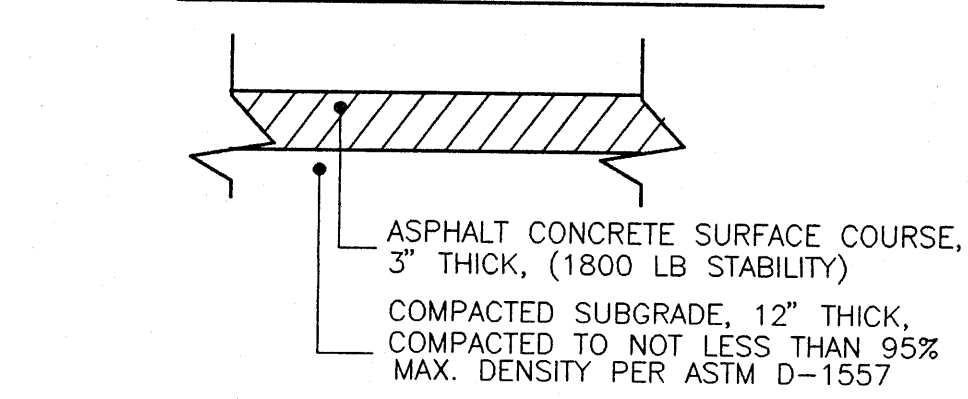
GOLF COURSE ROAD PAVING SECTION



19TH AVE. PAVING SECTION

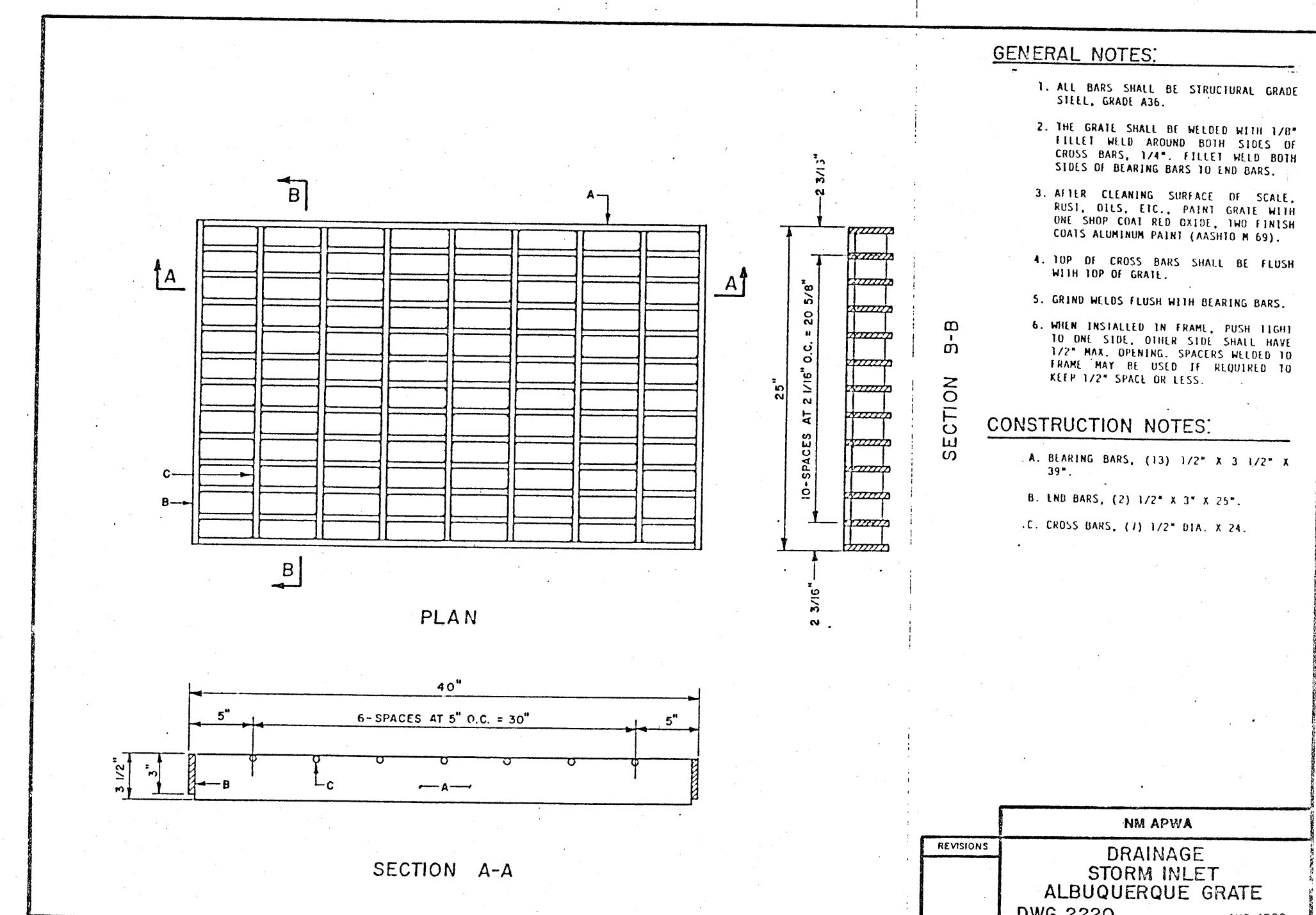
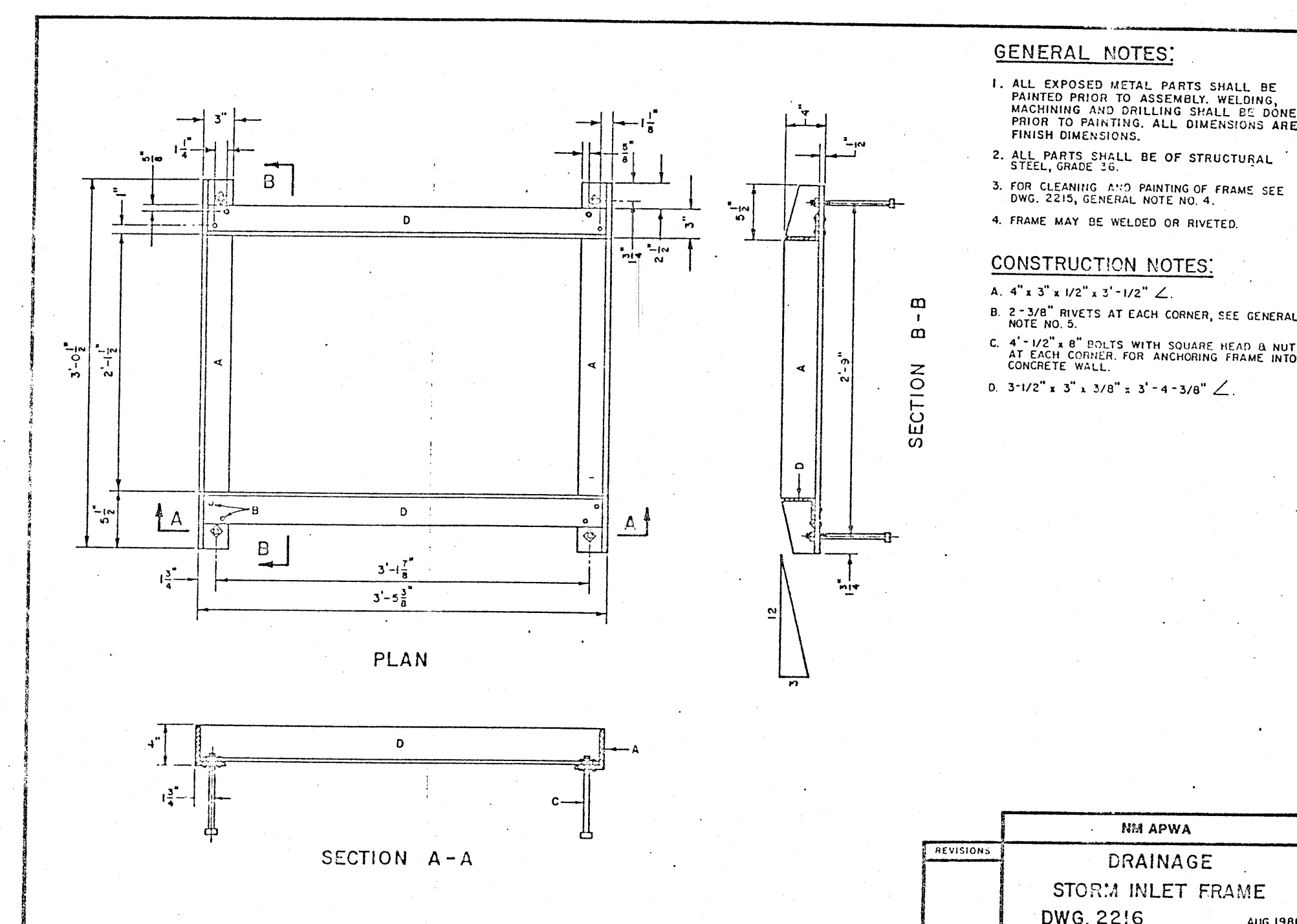
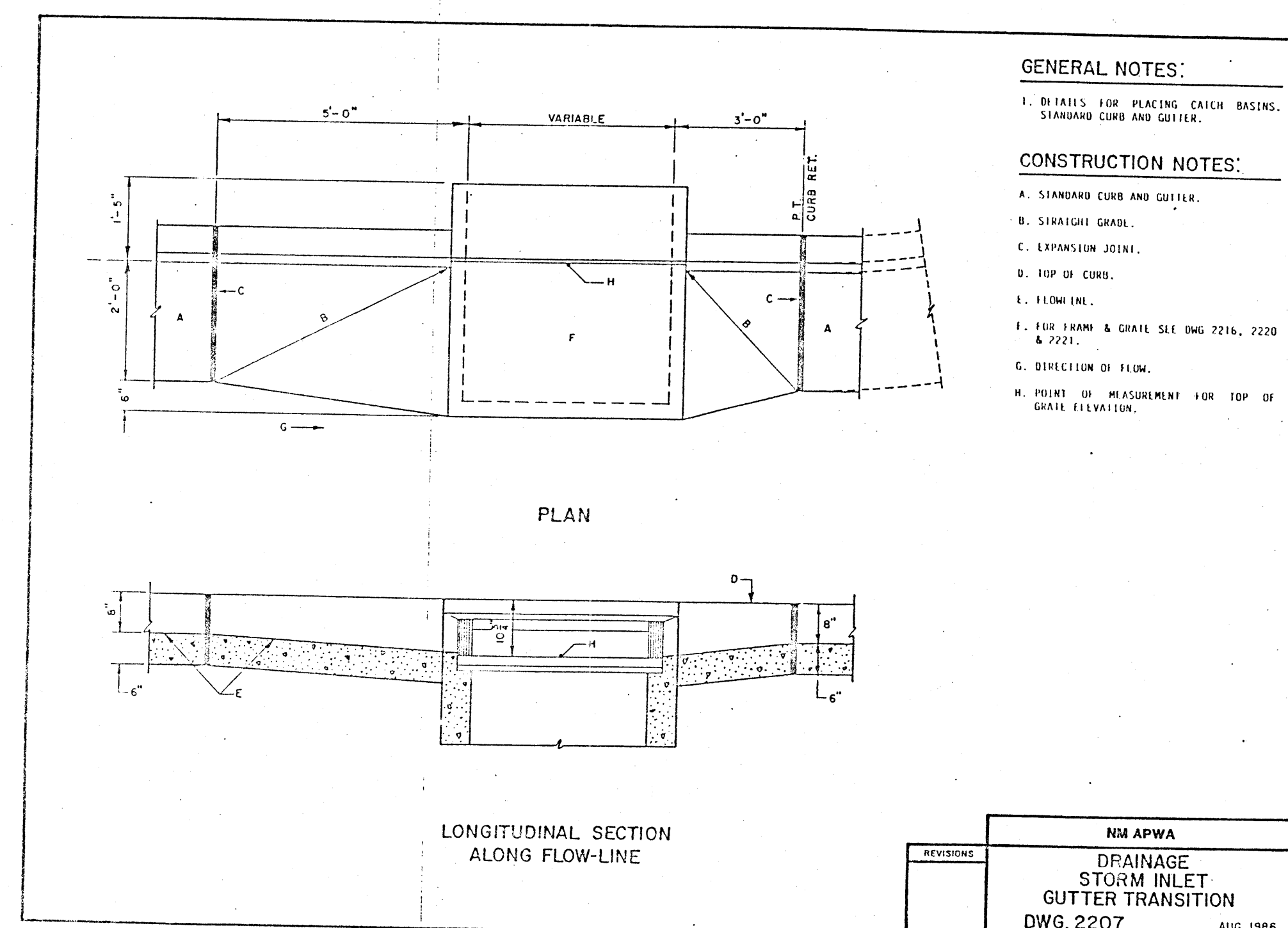
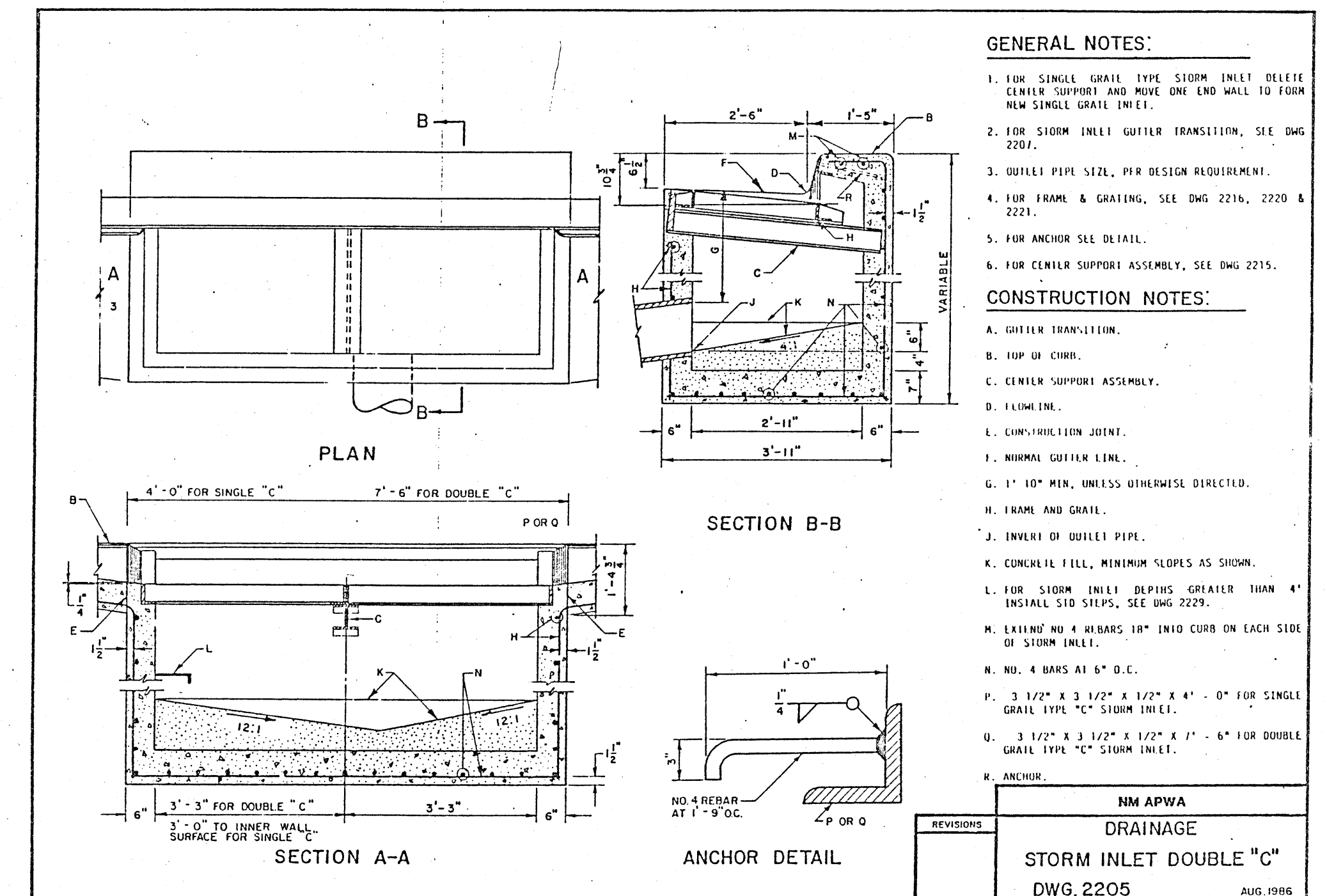
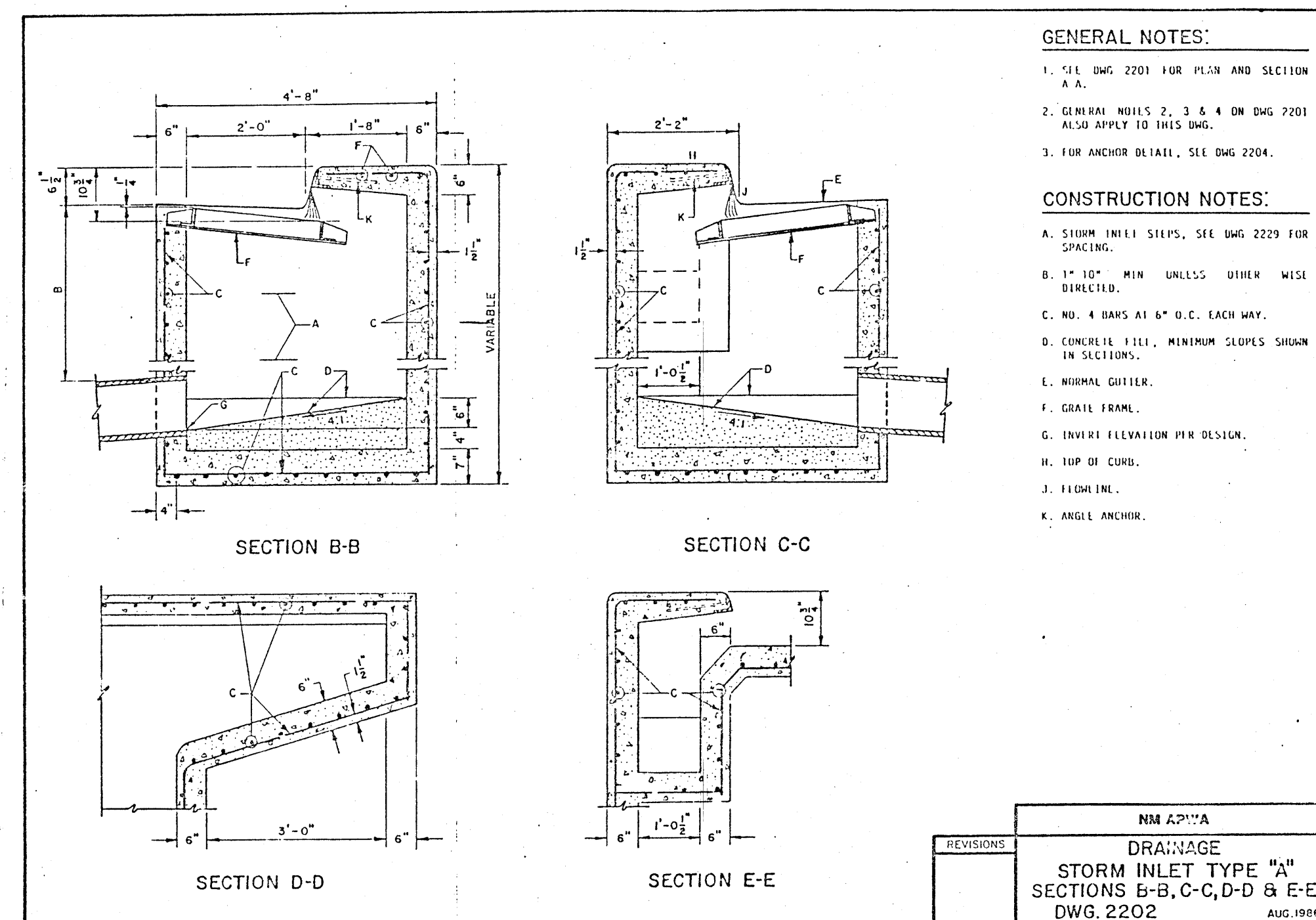
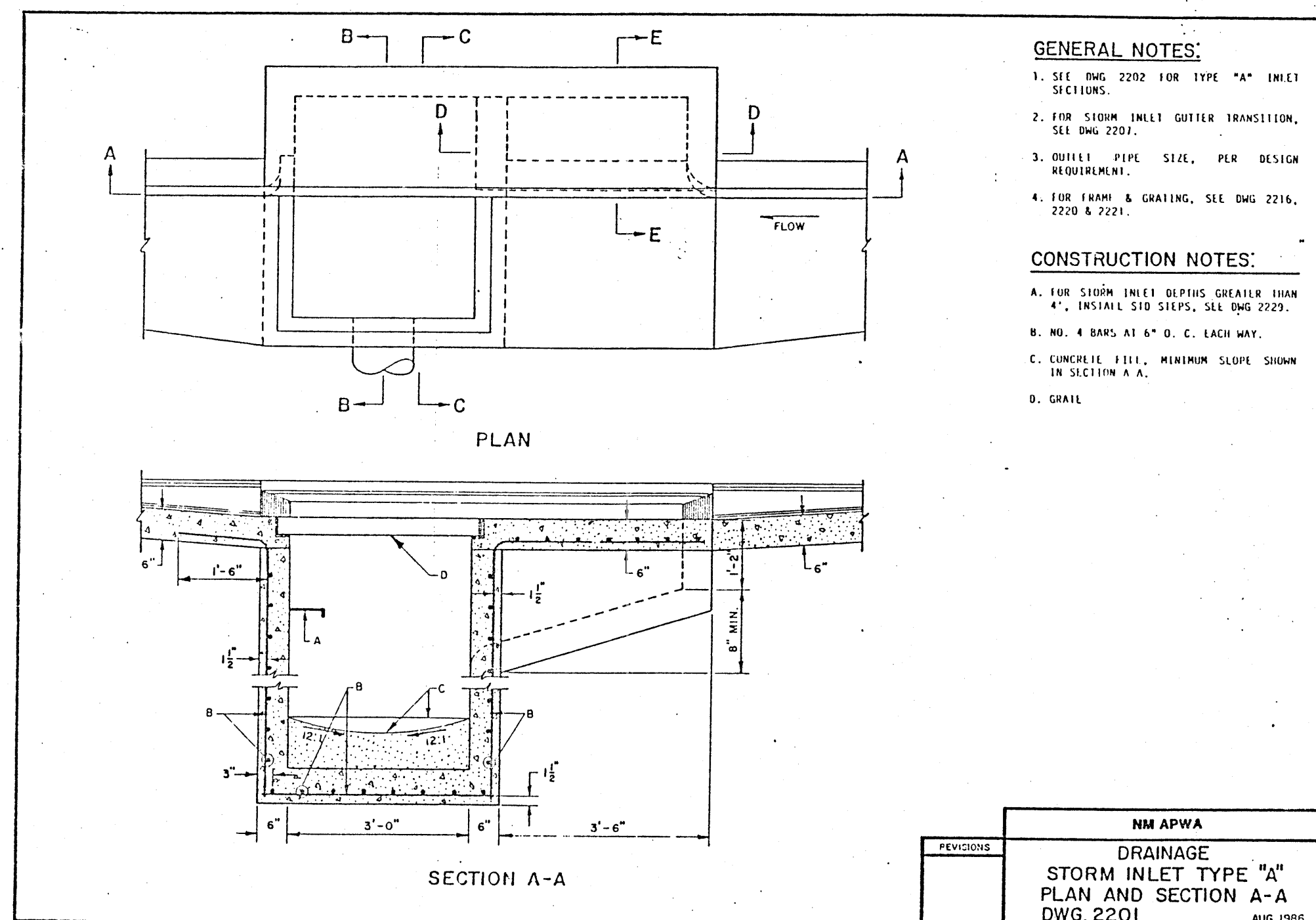


31ST ST., 20TH-22ND AVE. PAVING SECTION



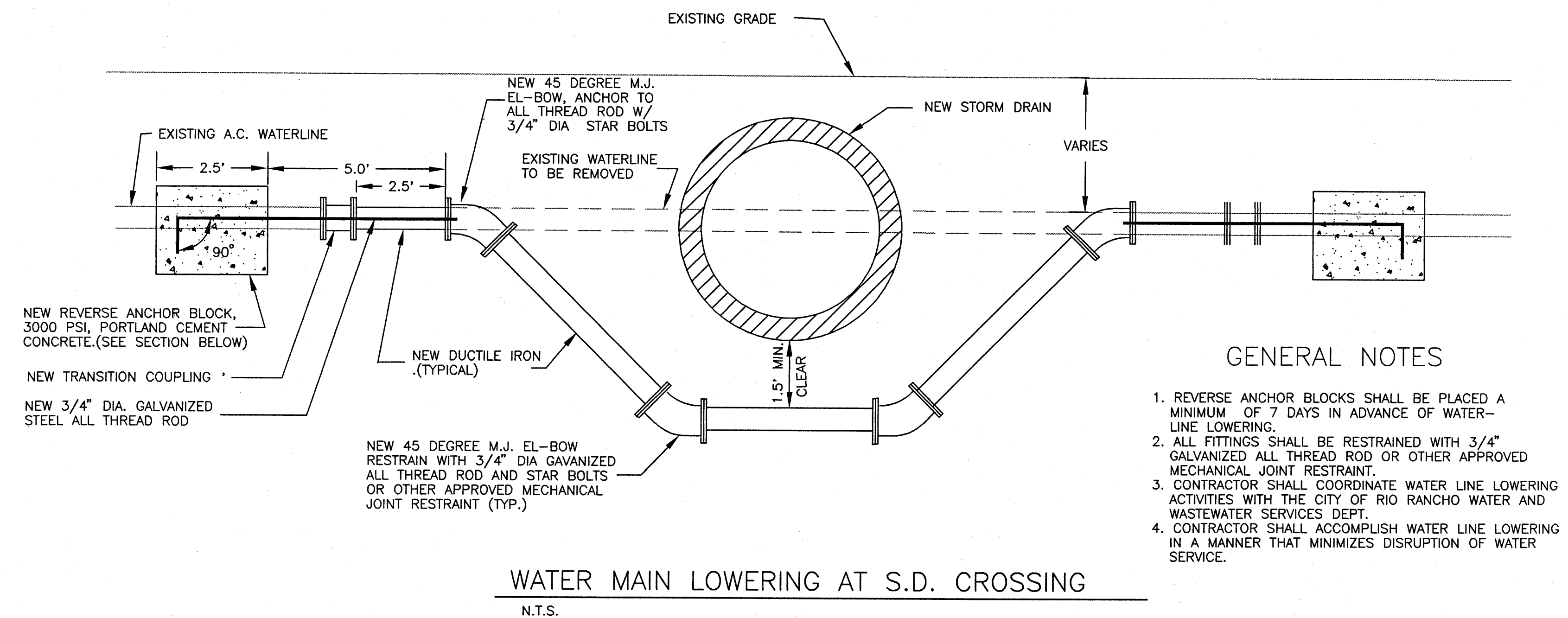
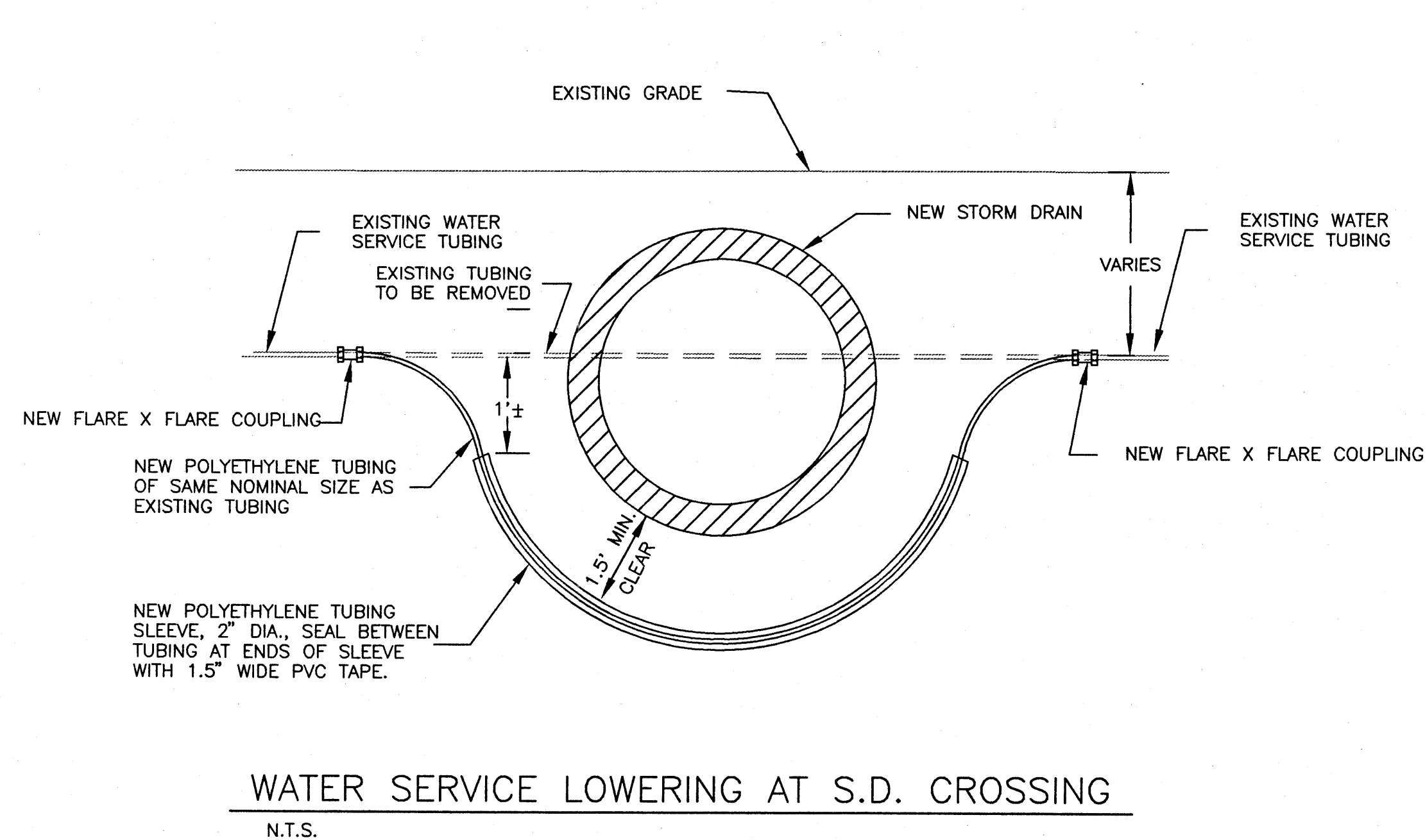
GOLF COURSE RD. CHANNEL PAVING SECTION

CITY OF RIO RANCHO	
DEPARTMENT OF PUBLIC WORKS	
ENGINEERING DIVISION	
INFRASTRUCTURE	DESIGNED BY VSF
UNIT 16 EAST DRAINAGE PROJECT	DRAWN BY VSF
DETAILS AND SECTIONS	CHECKED BY JPF
	APRVD. BY JPF
DATE JAN., 1998	ENGINEER'S PROJECT NO.
	SHEET NO.

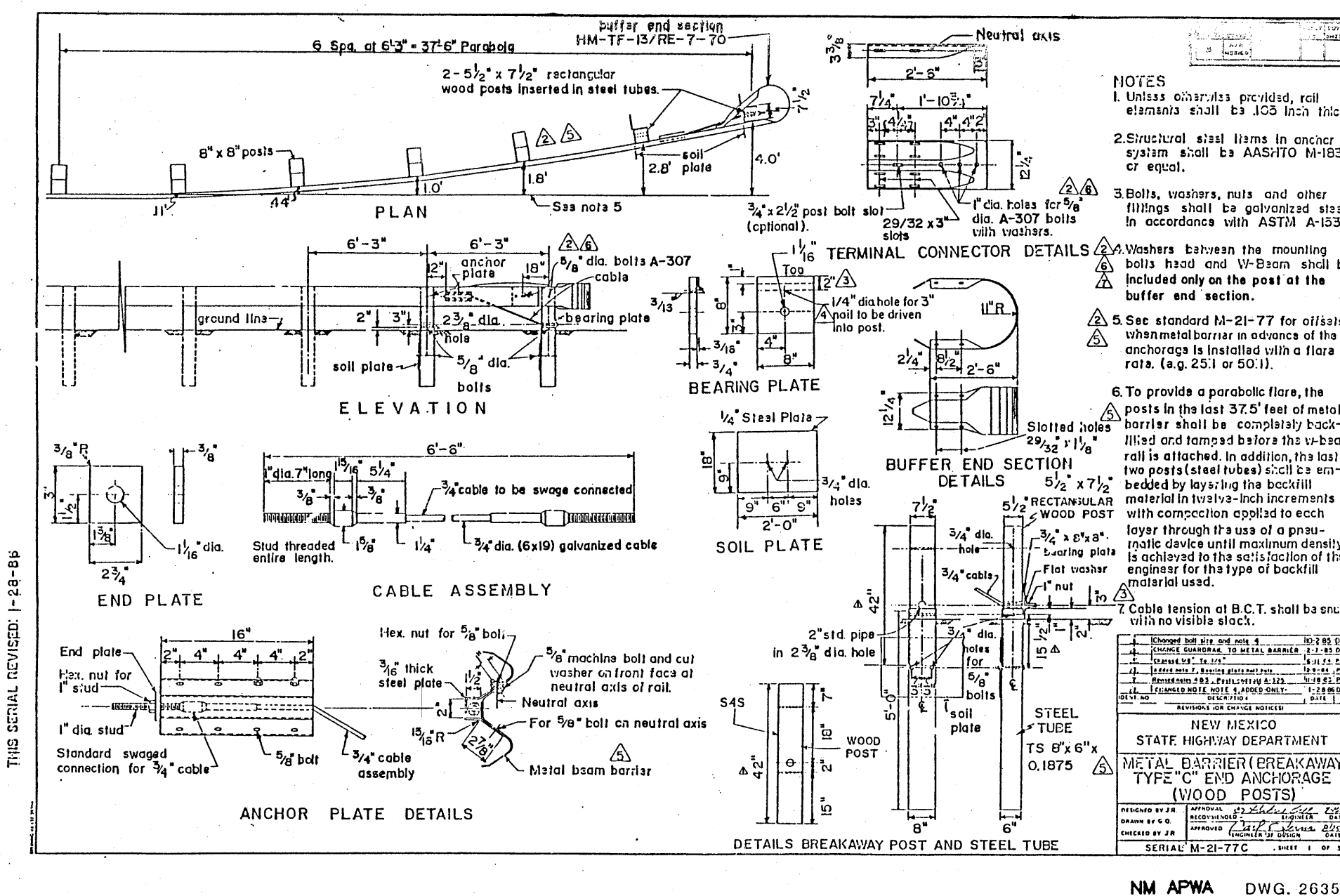
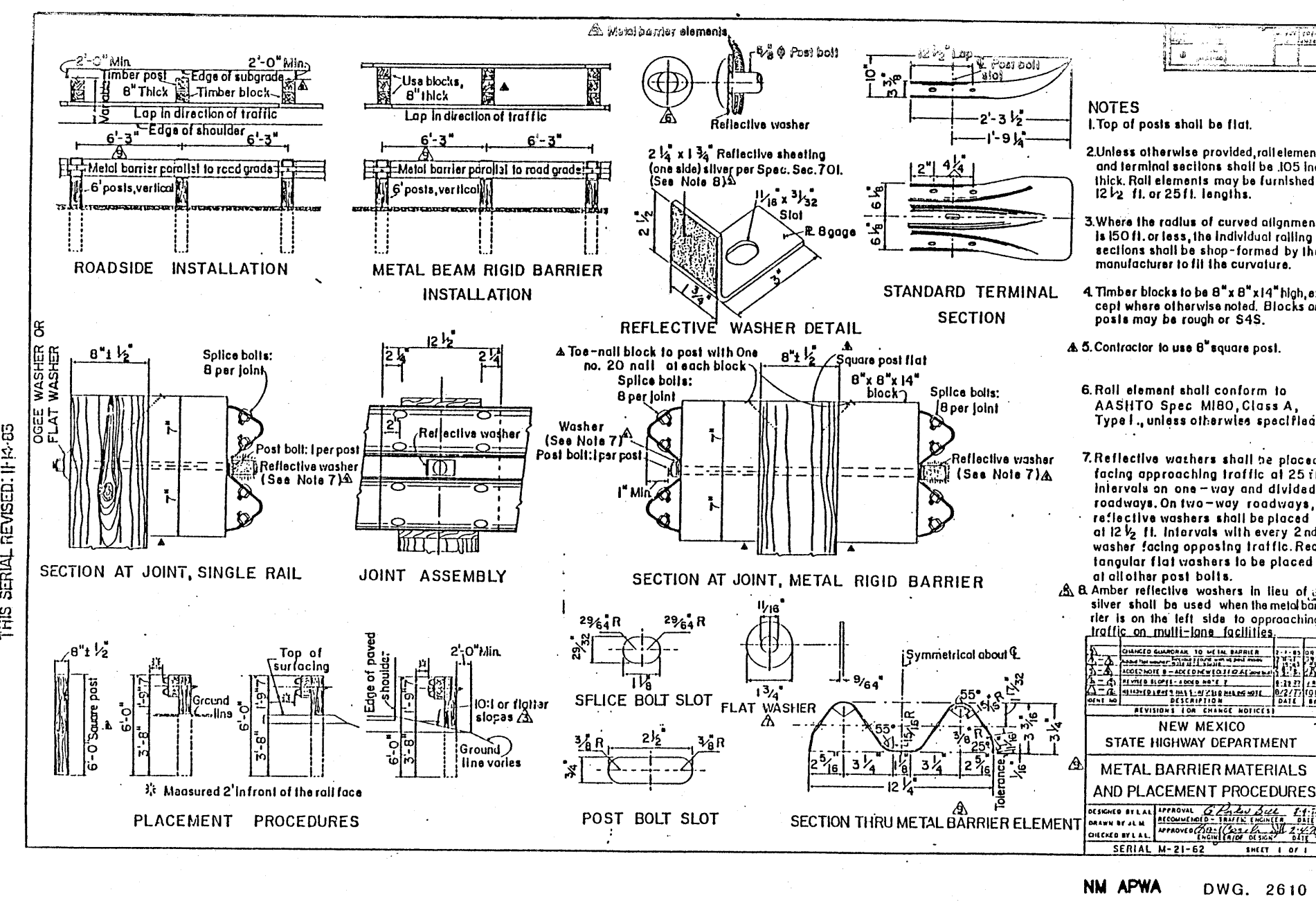
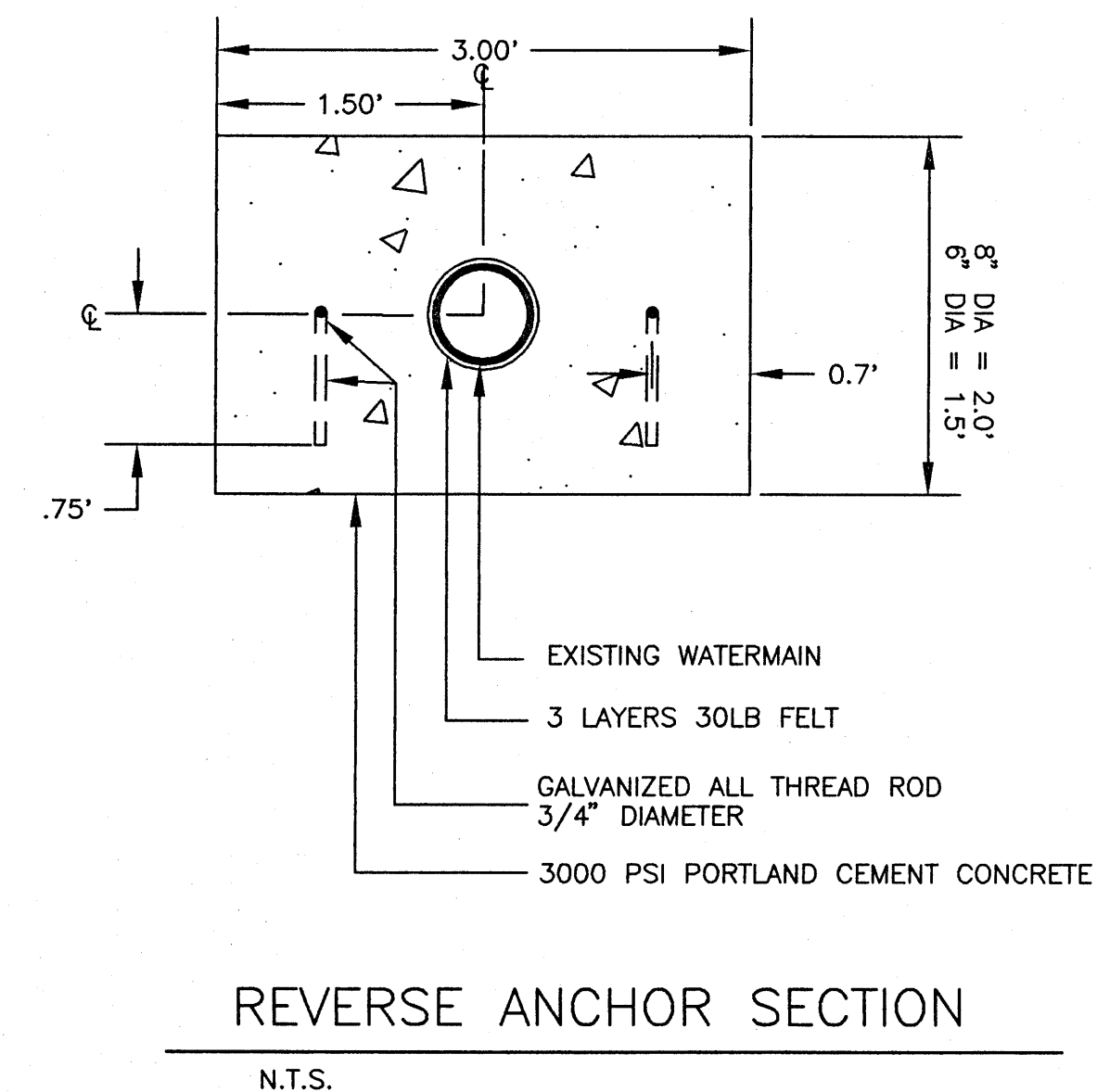
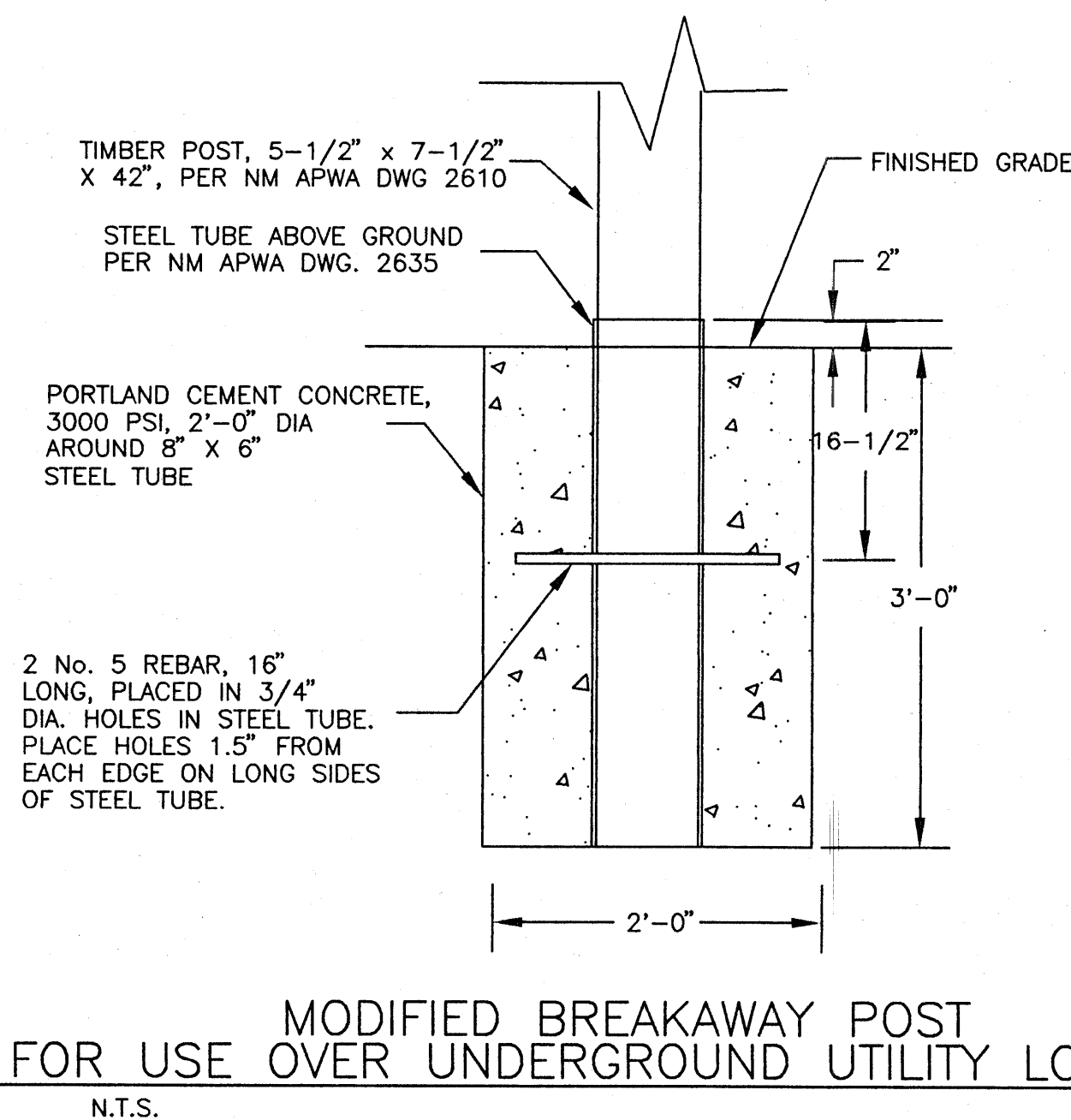
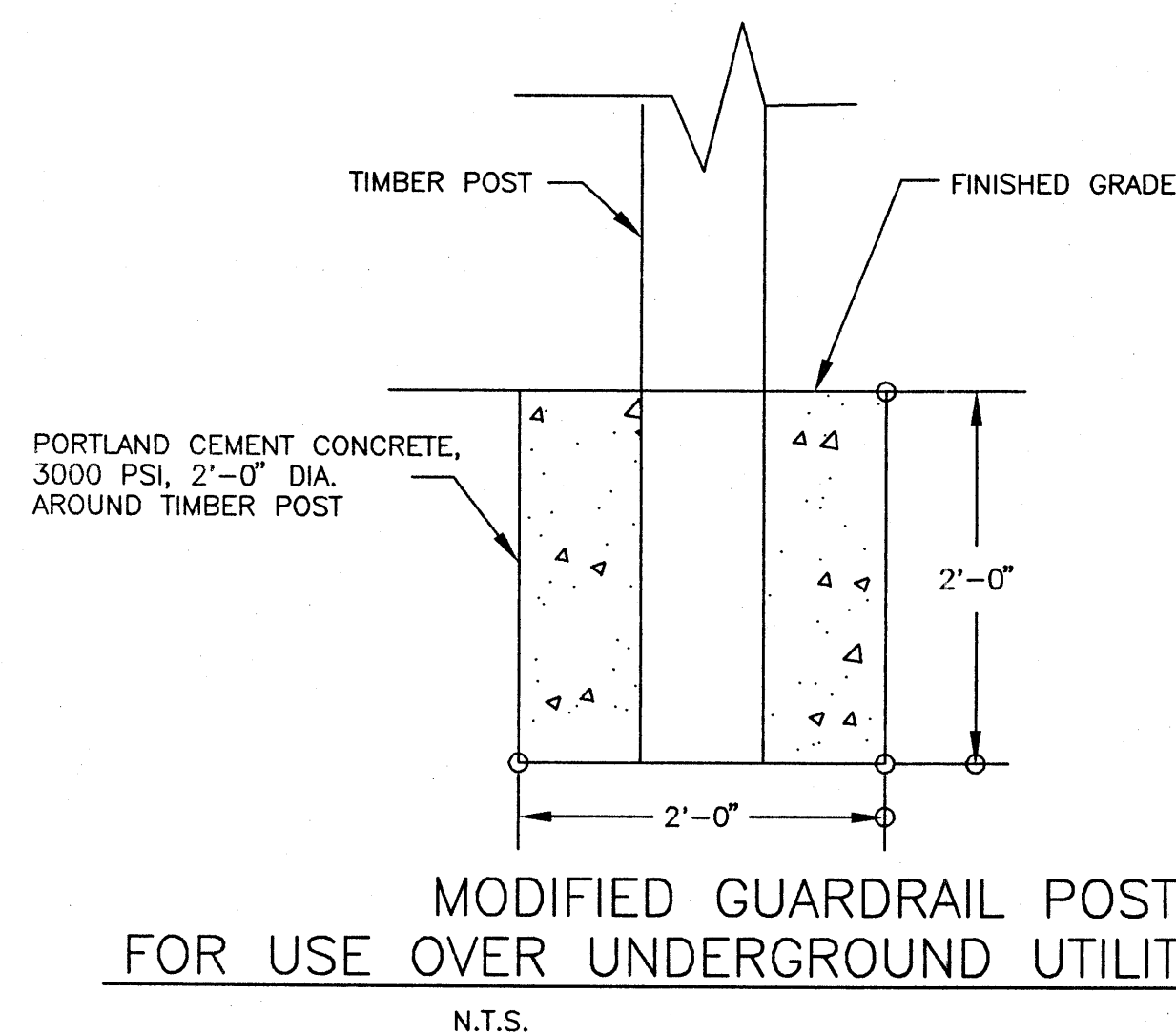


CITY OF RIO RANCHO		DESIGNED BY	WAM
DEPARTMENT OF PUBLIC WORKS			
ENGINEERING DIVISION		CHECKED BY	JPF/VSF
INFRASTRUCTURE		APPROVED BY	JPF
UNIT 16 EAST DRAINAGE PROJECT		DATE	JAN., 1996
DETAILS AND SECTIONS		ENGINEER'S PROJECT NO.	SHEET NO. 6 OF 7

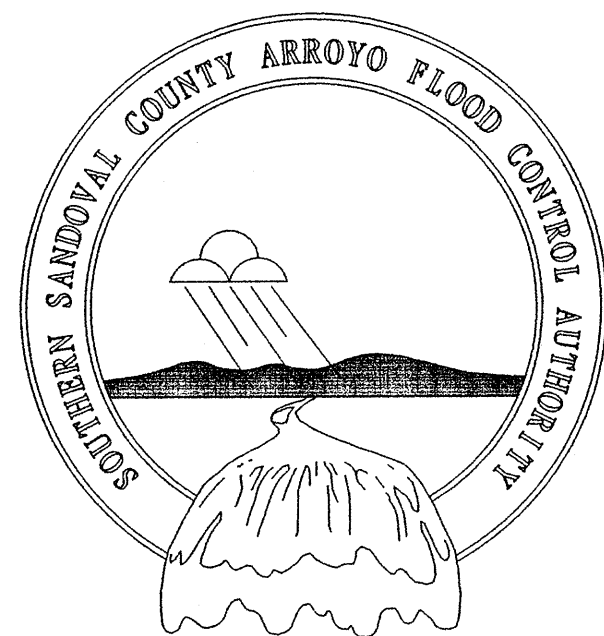
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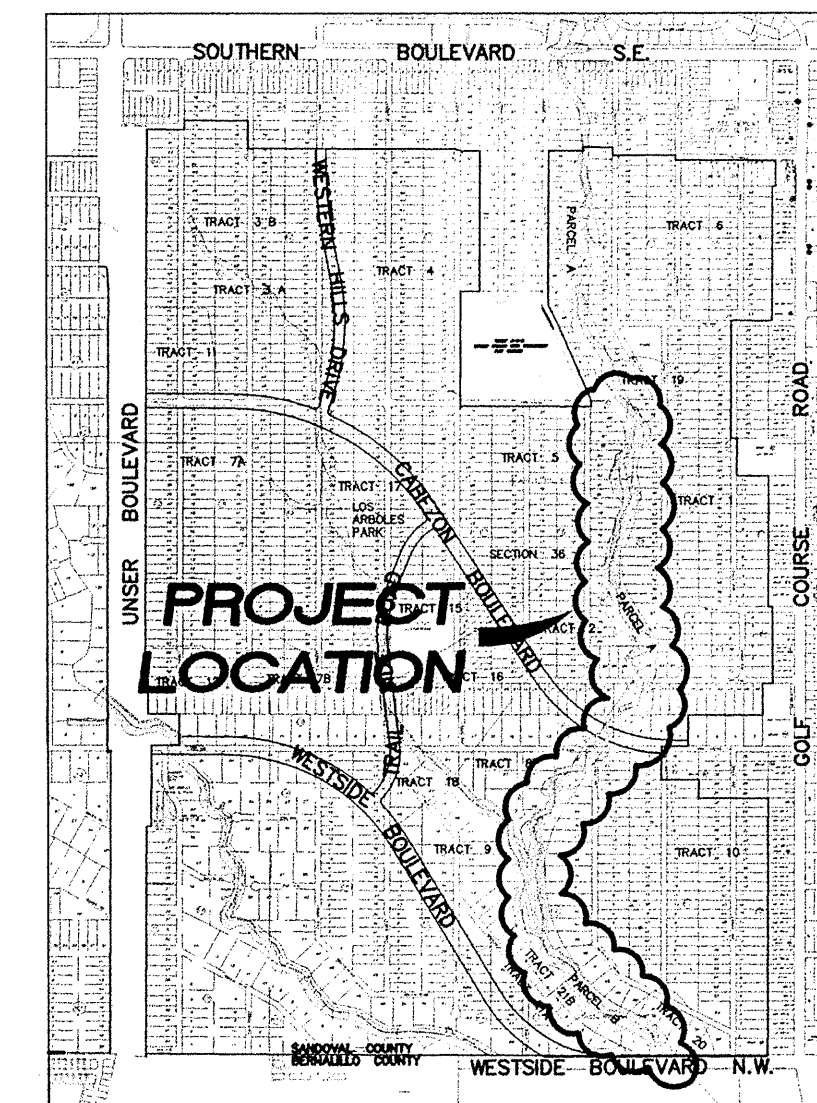
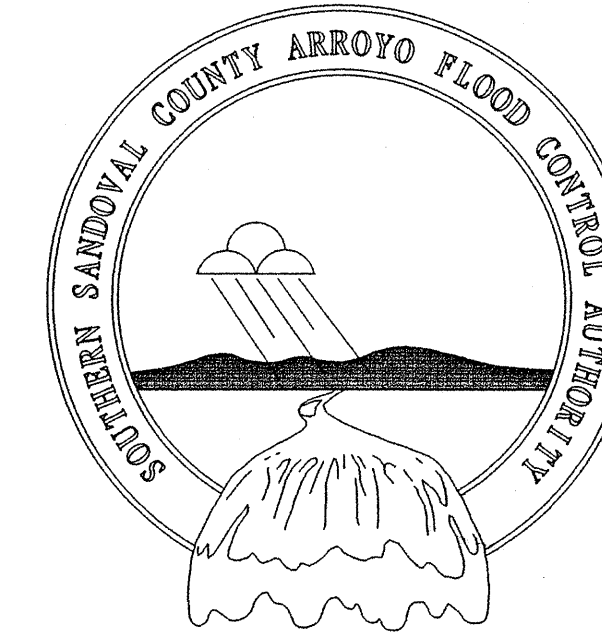
- GENERAL NOTES**
1. REVERSE ANCHOR BLOCKS SHALL BE PLACED A MINIMUM OF 7 DAYS IN ADVANCE OF WATER-LINE LOWERING.
 2. ALL FITTINGS SHALL BE RESTRAINED WITH 3/4\"/>



CITY OF RIO RANCHO DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		DESIGNED BY VSF
INFRASTRUCTURE		DRAWN BY WAM/VSF
UNIT 16 WEST DRAINAGE PROJECT		CHECKED BY VSF/JPF
DETAILS AND SECTIONS		APRVD. BY JPF
DATE JAN 1996		ENGINEER'S PROJECT NO. SHEET NO.
CITY ENGINEER		



CONSTRUCTION PLANS FOR EAST BRANCH CHANNEL SANITARY SEWER RIO RANCHO, NEW MEXICO INDEX



VICINITY MAP

LEGEND

EXISTING		PROPOSED	
	SANITARY SEWER		SANITARY SEWER
	WATER LINE		WATER LINE
	GAS LINE		GAS LINE
	STORM DRAIN		STORM DRAIN
	OVERHEAD ELECTRIC LINE		OVERHEAD ELECTRIC LINE
	UNDERGROUND ELECTRIC LINE		UNDERGROUND ELECTRIC LINE
	POWER POLE		ELECTRIC CONDUIT
	CURB & GUTTER		WHEELCHAIR RAMP
	DROP INLET		CROWN REDUCTION
	WATER VALVE		SIDEWALK
	FIRE HYDRANT		FACE OF CURB
	SAS SERVICE W/CAP		EDGE OF PAVEMENT
	MANHOLE		CENTERLINE
	COMMUNICATIONS PEDESTAL		MANHOLE
	TRAFFIC SIGNAL		WATER VALVE
	ELECTRIC BOX		SINGLE WATER METER
	LIGHT POLE		DOUBLE WATER METER
	TREE/SHRUB		SAS SERVICE W/CAP
	INDEX CONTOUR		STORM INLET
	INTERMEDIATE CONTOUR		FIRE HYDRANT
	SIGN		LIGHT POLE
	POST		
	FENCE		
	GUARDRAIL		
	RETAINING WALL		

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	PLAN & PROFILE CHANNEL SAS STA. 20+25.40 TO STA. 22+00.00
4	PLAN & PROFILE CHANNEL SAS STA. 22+00.00 TO STA. 34+50.00
5	PLAN & PROFILE CHANNEL SAS STA. 34+50.00 TO STA. 47+00.00
6	PLAN & PROFILE CHANNEL SAS STA. 47+00.00 TO STA. 59+50.00
7	PLAN & PROFILE CHANNEL SAS STA. 59+50.00 TO STA. 72+00.00
8	PLAN & PROFILE CHANNEL SAS STA. 72+00.00 TO STA. 83+76.76
9	PLAN & PROFILE CHANNEL SAS STA. 10+00.00 TO STA. 16+26.28
10	SANITARY SEWER X-SECTION CABEZON BLVD./EAST BRANCH CHANNEL
11	SANITARY SEWER DETAILS

APPROVALS	
DEVELOPER CURB INC. North Inc.	12/21/04 DATE
CITY OF RIO RANCHO DEPARTMENT OF UTILITIES	12-21-04 DATE
CITY OF RIO RANCHO DEPARTMENT OF PUBLIC WORKS	12/22/04 DATE
CITY OF RIO RANCHO DEPARTMENT OF PUBLIC SAFETY - TRAFFIC DIVISION	12/21/04 DATE
CITY OF RIO RANCHO DEPARTMENT OF PUBLIC SAFETY - FIRE MARSHAL	12-21-04 DATE

SOUTHERN SANDOVAL COUNTY ARROYO FLOOD CONTROL AUTHORITY	
EAST BRANCH CHANNEL SANITARY SEWER	
COVER SHEET	
DESIGN	JDB
DRAWN	JDB
CHECK	JDB
WCEA NO.	X4218012
PROJECT NO.	N/A
DATE	DEC 2004
SHEET NO.	1 OF 11

GENERAL NOTES:

- 1 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 NEW MEXICO STATE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1987 (INCLUDING LATEST REVISION). WHERE CONFLICTS IN SPECIFICATIONS ARISE, THE CONTRACT DOCUMENTS SHALL GOVERN.
- 2 THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS/HER WORK WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.
- 3 THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELING PEDESTRIAN TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE CONSTRUCTION PERIOD. COST IS INCIDENTAL TO TEMPORARY TRAFFIC CONTROL AND NO ADDITIONAL PAYMENT WILL BE MADE.
- 4 CONTRACTOR TO CAREFULLY FIELD REVIEW SITE TO ASSESS EXTENT OF TRASH REMOVAL. COST FOR TRASH REMOVAL IS INCIDENTAL TO CLEARING & GRUBBING UNIT BID ITEM AND NO ADDITIONAL PAYMENT WILL BE MADE.
- 5 ALL COMPACTION DENSITIES ARE BASED ON THE MODIFIED PROCTOR, ASTM D-1557, UNLESS SPECIFICALLY NOTED OTHERWISE.
- 6 NOTIFICATION OF LOCAL OFFICIALS AND MEDIA: THROUGHOUT THE LIFE OF THE PROJECT THE CONTRACTOR WILL KEEP DPW INFORMED OF ANY LANE OR ROADWAY CLOSURES THAT WILL RESTRICT THE NORMAL FLOW OF TRAFFIC. LANE CLOSURES SHALL BE CLEARLY ILLUSTRATED IN APPROVED CRITICAL PATH SCHEDULE. COST FOR NOTIFICATION OF LOCAL OFFICIALS AND MEDIA IS INCIDENTAL TO TEMPORARY TRAFFIC CONTROL AND NO ADDITIONAL PAYMENT WILL BE MADE. DPW WILL INFORM MEDIA AS REQUIRED.
- 7 EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF HIS/HER EMPLOYEES.
- 8 SHRINKAGE FACTOR: THE EARTHWORK QUANTITIES ARE BASED ON A SHRINKAGE FACTOR OF 15% IN ROADWAY EMBANKMENT.
- 9 R VALUE: THE DESIGN R VALUE FOR THIS PROJECT IS 50. MATERIAL WITH AN R VALUE LESS THAN THE DESIGN R VALUE SHALL NOT BE PLACED IN OR BE ALLOWED TO REMAIN WITHIN THE TOP TWO FEET OF THE FINISHED SUBGRADE. SAID CRITERION APPLIES TO DETOUR SUBGRADES. PAYMENT FOR R-VALUE 50 SOIL SHALL BE PAID PER THE UNIT BID PRICE.
- 10 EARTHWORK HAUL: THE EARTHWORK HAUL ON THIS PROJECT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEMS UNCLASSIFIED EXCAVATION AND BORROW, AS APPLICABLE AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE. EXCESS EARTHWORK FROM ROADWAY MAY BE WASTED ON ADJACENT CABEZON DEVELOPMENT AS DIRECTED BY PROJECT MANAGER. CONTRACTOR MAY BUILD ADJACENT LOT GRADE TO NO MORE THAN TWO FEET ABOVE EXISTING PROPERTY GRADE. COMPACTION OF HAULED MATERIAL SHALL FOLLOW NM APWA SPECIFICATIONS FOR EMBANKMENT MATERIAL. IF HAUL ROUTE CROSSES R-O-W, CONTRACTOR SHALL CONTACT DPW FOR PRIOR APPROVAL.
- 11 WARPING OF SLOPES: THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION EASEMENT LIMITS. THIS WORK SHALL BE AS DIRECTED BY THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS. WARPING OF SLOPES IS INCIDENTAL TO GRADING (REGARDLESS OF DEPTH) AND NO ADDITIONAL PAYMENT WILL BE MADE.
- 12 MATERIAL PITS: NO MATERIAL PITS HAVE BEEN DESIGNATED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SPECIFICATION BORROW OR SURFACING MATERIAL FROM ANY ACCEPTABLE SOURCE. W-4A. REFER TO SECTION 204, FILL CONSTRUCTION OF THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1987 (INCLUDING LATEST REVISION).
- 13 CONSTRUCTION CLEAR ZONE: THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 18 FEET FROM THE EDGE OF THE DRIVING LANE. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION CLEAR ZONE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS BEFORE IMPLEMENTATION. THIS WORK INCLUDING DESIGN, INSTALLATION AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED AS INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OF PAYMENT SHALL BE MADE THEREFORE.
- 14 REMOVALS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS AT THE LOCATIONS WITHIN THE LIMITS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM 201.010 CLEARING & GRUBBING. IN ADDITION TO THE REMOVAL OF STRUCTURES AND OBSTRUCTIONS, REMOVAL OF SURFACING, HAULING AND STOCKPILING OF SALVAGEABLE MATERIAL, AND DEMOLITION ARE CONSIDERED TO BE AS INCLUDED IN THIS ITEM AND WILL BE PAID FOR AT THE LUMP SUM CONTRACT PRICE.
- 15 SALVAGEABLE MATERIALS: SALVAGEABLE MATERIALS FROM THIS PROJECT ARE TO BE HAULED AND STOCKPILED AT THE CITY OF RIO RANCHO O&M YARD. CONTACT DPW FOR NEW O&M YARD LOCATION. HAUL SALVAGED MATERIALS AS DIRECTED BY THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS.
- 16 MAINTENANCE OF AS-BUILT PLANS: THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS THROUGHOUT THE PROJECT AND WILL BE REVIEWED FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS PRIOR TO FINAL PAYMENT. FAILURE TO MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS SHALL BE SUBJECT TO A \$100/DAY FINE FOR EACH WORK DAY NOT REFLECTED ON PLANS. PAY DEDUCTION SHALL BE DUCTED FROM UNIT BID ITEM 4.010 CONSTRUCTION STAKING.
- 17 CLEANING OF EXISTING STRUCTURES: THE CONTRACTOR SHALL CLEAN ALL EXISTING STRUCTURES THAT ARE TO REMAIN OPERATIONAL PRIOR TO INITIATING STRUCTURE EXTENSION WORK. STRUCTURES SHALL BE CLEAN AT THE TIME OF FINAL PROJECT ACCEPTANCE. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE THEREFORE.
- 18 ACCESS TO LOCAL BUSINESSES AND RESIDENCES: THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES AT LEAST 48 HOURS IN ADVANCE WITH THE PROPERTY OWNERS AND THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS. THE COST FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO DIRECT PAYMENT WILL BE MADE THEREFORE.
- 19 THE CONTRACTOR SHALL PROVIDE SAMPLES OF TEXTURE AND COLORS AVAILABLE FOR CONCRETE MEDIAN PAVEMENT AT LEAST 30 DAYS PRIOR TO STARTING OF CONCRETE MEDIAN OPERATION TO CO THE PROJECT MANAGER FOR REVIEW AND APPROVAL.
- 20 CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. ITTIO SHALL BE HIS/HER RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE HIS/HER RESPONSIBILITY TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD HE/SHE BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES, HE/SHE SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS.
- 21 TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL SYSTEM, 505.260.1990, FOR LOCATION OF EXISTING UTILITIES.

- 22 FIVE (5) WORKING DAYS PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS A DETAILED CONSTRUCTION SCHEDULE. CONSTRUCTION SCHEDULE SHALL CONFORM TO THE CRITICAL PATH METHODOLOGY AND SHALL CLEARLY ILLUSTRATE ACTIVITY TASKS, A LOGICAL NETWORK SEQUENCE, EARLY START, EARLY FINISH, LATE START, LATE FINISH, FREE FLOAT TIME, TOTAL FLOAT TIME AND INDEPENDENT FLOAT FOR INDIVIDUAL TASK, TASK SUMMARIES AND OVERALL PROJECT. FAILURE TO DELAY OF SUBMIT A CPM SCHEDULE CONSTITUTES A NON-RESPONSIVE BID. CPM SCHEDULE SHALL BE UPDATED AND SUBMITTED WITH EACH PAY APPLICATION OR AT LEAST EVERY 30 DAYS (MINIMUM). FAILURE TO SUBMIT A PERIODICALLY (30 DAYS MIN.) REVISED CPM SCHEDULE AS REQUIRED, SHALL BE SUBJECT TO A \$250.00 FINE FOR EACH CALENDAR DAY LATE. PAY DEDUCTION SHALL BE DEDUCTED FROM UNIT BID ITEM 6.050 CONSTRUCTION MOBILIZATION. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS AND SHALL NOTIFY THEM PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 701 OF THE SPECIFICATIONS.
- 23 THE CONTRACTOR SHALL NOTIFY THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED, OR REINSTALLED.
- 24 THE CONTRACTOR SHALL NOTIFY THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS NOT LESS THAN SEVEN (7) CALENDAR DAYS PRIOR TO STARTING WORK IN ORDER THAT THE PUBLIC WORKS ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE PUBLIC WORKS ENGINEER. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL ONLY BE COMPLETED BY A LICENSED SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, THE CONTRACTOR SHALL, AT HIS/HER OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. ANY ADJACENT LOT CORNERS DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- 25 THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE EXECUTION OF THE WATER VALVE SHUTOFF PLAN WITH CORR UTILITIES. ALL WATER VALVES TO BE SHUT OFF WILL BE OPERATED BY CORR UTILITIES. CONTRACTOR SHALL NOTIFY CORR UTILITIES AT 896-8812 FORTY EIGHT (48) HOURS PRIOR TO WATERLINE CONSTRUCTION.
- 26 THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENT AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE.
- 27 CONTRACTOR TO FIELD VERIFY & LOCATE EXISTING MONITORING WELLS AND COORDINATE WITH GARY RICHARDSON OF METRIC CORPORATION, 505.828.2801. RELOCATION AND ADJUSTMENTS OF MONITORING WELLS WILL BE DONE BY METRIC CORPORATION. THE TIME REQUIRED FOR FIELD VERIFICATION AND COORDINATION OF THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION.
- 28 ALL EXISTING STREET STRIPING, NOT AFFECTED BY CONSTRUCTION UNDER THIS CONTRACT, ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR. THIS WORK SHALL BE COMPLETED AT NO COST TO THE CITY OF RIO RANCHO.
- 29 ALL WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES EITHER TWENTY-FOUR (24) HOUR CONSTRUCTION, OR CONSTRUCTION FROM 7 AM TO 10 PM MONDAY THROUGH SATURDAY, UNLESS OTHERWISE NOTED.
- 30 WHEN ABUTTING NEW PAVEMENT TO EXISTING PAVEMENT, SAWCUT EXISTING PAVEMENT IN A STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. PRIOR TO LAYING NEW PAVEMENT, THE EXPOSED EXISTING ASPHALT EDGE SHALL BE TACK-COATED. COST FOR SAWCUT AND TACK COAT IS INCIDENTAL TO PROJECT COMPLETION AND NO ADDITIONAL PAYMENT WILL BE MADE.
- 31 EXACT LOCATION OF DRIVEPADS AND WHEELCHAIR RAMPS WILL BE DETERMINED IN THE FIELD BY THE FIELD ENGINEER. LOCATIONS SHOWN ON PLAN AND PROFILE SHEETS ARE APPROXIMATE.
- 32 TWO (2) WHEELCHAIR RAMPS SHALL BE CONSTRUCTED AT EACH CURB RETURN. WHEELCHAIR RAMPS SHALL BE MEASURED AND PAID FOR PER EACH, COMPLETE-IN-PLACE. SEE STANDARD DRAWING P-5 SHEET 47 OF 101.

ISING GRADE	RAMP LENGTH
0%	8.1'
0-1%	9.2'
1-2%	10.6'
2-3%	12.6'
3-4%	15.5'

- 33 ALL RADII OF CURB RETURNS ARE SHOWN TO THE BACK OF CURB UNLESS OTHERWISE NOTED ON PLANS.
- 34 CONTRACTOR TO MATCH FLOWLINES OF GUTTERS WHEN CONNECTING NEW CURB & GUTTER WITH EXISTING CURB & GUTTER.
- 35 CURB & GUTTER, SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT, THAT IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS/HER EXPENSE.
- 36 WHEN REMOVAL OF EXISTING CURB & GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO NEAREST JOINT.
- 37 PAYMENT FOR CURB & GUTTER, VALLEY GUTTER AND SIDEWALK IS BASED ON A "NEW" QUALITY PRODUCT. SPALLS, POP-OUTS, CRACKING (OTHER THAN SHRINKAGE CRACKS), OR GOUGED SURFACES WILL NOT BE ACCEPTABLE. ITEMS HAVING SUCH DEFICIENCIES WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE OR PAID AT A REDUCED PERCENTAGE BASED ON AESTHETICS AND SERVICEABILITY (EACH WEIGHED EQUALLY).
- 38 THE CONTRACTOR SHALL EMPLOY AND PAY FOR AN ENGINEER APPROVED INDEPENDENT FIRM FOR SPECIFIED TESTING SERVICES. ITEM SHALL BE PAID FOR UNDER TESTING ALLOWANCE.
- 39 THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.
- 40 THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 41 THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF WILSON & COMPANY. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.
- 42 CONTRACTOR SHALL COORDINATE AN AGREEABLE PRE-CONSTRUCTION MEETING WITH DPW. CONTACT CORR CONSTRUCTION MANAGER AT 891-5016.

UTILITY GENERAL NOTES:

- 1 ALL WORK DETAILED ON THESE PLANS, EXCEPT AS OTHERWISE PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1987 EDITION, AS AMENDED THROUGH APRIL 20, 1994 AND THE PROJECT CONSTRUCTION CONTRACT DOCUMENTS AND SPECIFICATIONS, OR AS AMENDED BY SPECIAL PROVISION.
- 2 ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY.
- 3 THE CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHTS-OF-WAY TO PRESERVE EXISTING VEGETATION, LANDSCAPING AND PRIVATE PROPERTY.
- 4 THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES DURING CONSTRUCTION.
- 5 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL WATER NECESSARY FOR CONSTRUCTION. THE COSTS FOR WATER SHALL BE CONSIDERED INCIDENTAL TO COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR.
- 6 THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS THROUGHOUT THE PROJECT AND WILL BE REVIEWED FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS PRIOR TO FINAL PAYMENT. FAILURE TO MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS SHALL BE SUBJECT TO A \$100/DAY FINE FOR EACH WORK DAY NOT REFLECTED ON PLANS. PAY DEDUCTION SHALL BE DUCTED FROM UNIT BID ITEM 4.010 CONSTRUCTION STAKING.
- 7 ALL WATER LINE/SANITARY SEWER LINE CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF NMED "GUIDELINES FOR WATER SUPPLY SYSTEMS AND TREATMENT WORKS IN NEW MEXICO".
- 8 ALL EXISTING UTILITIES SHOWN HEREIN WERE TAKEN FROM RECORD DRAWINGS, FIELD SURVEYS, CORR SYSTEMS UTILITIES MAPS AND INFORMATION PROVIDED BY THE UTILITY OWNERS AND ARE APPROXIMATE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THEIR HORIZONTAL AND VERTICAL LOCATIONS AND PROVIDE PROTECTION FOR ALL UTILITIES WITHIN THE CONSTRUCTION AREA. COST FOR UTILITY COORDINATION, POT HOLING, EXPLORATION AND LINE SPOTTING IS INCIDENTAL TO COST OF PROJECT COMPLETION AND NO ADDITIONAL PAYMENT WILL BE MADE.
- 9 UTILITY CROSSINGS: SERVICE LINE UTILITY CROSSINGS WHICH HAVE MORE THAN ONE LINE WITHIN A TWO-FOOT 3-DIMENSIONAL PRISM SHALL BE PAID FOR AS ONE CROSSING. SERVICE LINE IS DEFINED AS 4" OR SMALLER DIAMETER LINE. TRUNK UTILITY LINE CROSSINGS WHICH HAVE MORE THAN ONE LINE WITHIN A TWO-FOOT 3-DIMENSIONAL PRISM SHALL BE PAID FOR AS ONE CROSSING. TRUNK LINE IS DEFINED AS GREATER THAN 4" DIAMETER LINE.
- 10 ELEVATIONS FOR PROPOSED WATERLINE CONNECTIONS TO EXISTING WATERLINES SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD. COST IS INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL PAYMENT WILL BE MADE.
- 11 ALL WATER VALVE BOXES AND SEWER MANHOLES IN THE CONSTRUCTION AREA ARE TO BE ADJUSTED TO FINISH GRADE UNDER THIS CONTRACT. COST IS INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL PAYMENT WILL BE MADE.
- 12 MANHOLE RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND WILL VARY WITH THE FINISHED PAVEMENT ELEVATIONS.
- 13 THE CONTRACTOR IS TO VERIFY ALL EXISTING FIRE HYDRANT FLANGES, PADS, VALVE BOXES, MANHOLE RIMS, AND TOP OF PIPE ELEVATIONS IN THE FIELD. ELEVATIONS SHALL BE ADJUSTED TO COMPLY WITH THE REQUIREMENTS OF STANDARD CITY DETAILS.
- 15 CONTRACTOR COORDINATION WITH UTILITY OWNERS: THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY RELOCATIONS BY UTILITY OWNERS MAY HAVE TO BE PERFORMED CONCURRENTLY WITH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN CONJUNCTION WITH CONSTRUCTION OPERATIONS AND SHALL BE REQUIRED TO COORDINATE SCHEDULING OF WORK WITH THE RESPECTIVE UTILITY OWNERS IN ORDER TO AVOID DELAYS DUE TO UTILITY WORK. THE UTILITY CONTACTS CHART, THIS SHEET, PROVIDES A LIST OF CONTACTS FOR EACH UTILITY AFFECTED BY THIS CONSTRUCTION. THE COST OF RELOCATING UTILITIES LOCATED WITHIN THE CITY OF RIO RANCHO'S RIGHT-OF-WAY SHALL BE PAID FOR BY THE RESPECTIVE UTILITY COMPANY.
- 16 UTILITY COORDINATION MEETING: A UTILITY COORDINATION MEETING SHALL BE SET UP BY THE CONTRACTOR ONE (1) WEEK PRIOR TO ANY CONSTRUCTION ACTIVITY. COORDINATION OF UTILITY RELOCATION SCHEDULES SHALL BE DETAILED AT THIS MEETING. THE COST FOR THIS WORK WILL BE INCIDENTAL TO THE CONSTRUCTION OF THE PROJECT AND NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
- 17 ALL UTILITY POLES TO BE RELOCATED SHALL BE TEMPORARILY SUPPORTED PRIOR OR DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH PNM ELECTRIC AND OTHER PERTINENT UTILITY OWNERS (I.E. CABLE ONE AND E SPIRE) FOR THIS RELOCATION. SEE THE UTILITIES CONTACTS CHART, THIS SHEET, FOR CONTACT NAMES AND NUMBERS. WORK ACTIVITIES ADJACENT TO POWER LINES SHALL COMPLY WITH OSHA AND PNM SAFETY REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR SHIELDING, SHORING, PROTECTION, OR OTHERWISE, AS REQUIRED TO EXECUTE CONSTRUCTION. THE COST FOR THIS WORK WILL BE INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT AND NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
- 18 ALL GAS VALVE BOXES, GAS MANHOLES, ELECTRICAL MANHOLES, AND TELEPHONE MANHOLES WILL BE ADJUSTED TO FINISHED GRADE BY THE RESPECTIVE UTILITY OWNER. THIS WORK SHALL BE COORDINATED WITH EACH UTILITY OWNER. SEE THE UTILITIES CONTACTS CHART, THIS SHEET, FOR CONTACT NAMES AND NUMBERS.
- 19 THE CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE CONTRACTORS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE CONTRACTORS RESPONSIBILITY TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD CONTRACTOR BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS.
- 20 PRIOR TO ORDERING TRANSITION COUPLINGS, THE CONTRACTOR SHALL EXPOSE THE WATERLINE AND VERIFY THE PIPE'S OUTSIDE DIAMETER AND MATERIAL TYPE. TRANSITION COUPLINGS SHALL BE CONSIDERED INCIDENTAL TO THE WATERLINE CONSTRUCTION AND NO SEPARATE PAYMENT SHALL BE MADE FOR THEIR INSTALLATION.
- 21 CONTRACTOR WARRANTS BY THE SUBMISSION OF HIS BID FOR THE WORK THAT HE HAS INSPECTED THE PROJECT SITE AND IS CAPABLE, WITHOUT EXTRA WORK CHARGES, OF BUILDING THE WATER AND WASTEWATER LINES AND APPURTENANCES TO THE LINE, GRADES, AND DETAILS PRESENTED IN THESE PLANS.
- 22 THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, PRESERVING, AND RECONNECTING ALL WATER SERVICE LINES USING APPROVED MATERIALS LISTED ON THE RIO RANCHO UTILITIES STANDARD DRAWING W-4A. RECONNECTIONS AND TRANSFERS SHALL BE PAID FOR IN ACCORDANCE WITH THE UNIT PRICE BID AMOUNT ESTABLISHED ON THE BID PROPOSAL. ANY CONNECTIONS DAMAGED WHILE PERFORMING THE WORK UNDER THIS PROJECT SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 23 CONTRACTOR SHALL SUPPORT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORT WORK IS INCIDENTAL TO COMPLETION OF THE PROJECT AND NO ADDITIONAL PAYMENT WILL BE MADE.
- 24 EXISTING WATERLINES AND APPURTENANCES SHALL BE REMOVED AND DISPOSED OF AS NECESSARY TO INSTALL THE NEW WATERLINES. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE WATERLINE CONSTRUCTION AND NO ADDITIONAL PAYMENT SHALL BE MADE.

UTILITY CONTACTS

COMPANY	PHONE	EXTENSION	CONTACT
CITY OF RIO RANCHO UTILITIES DEPARTMENT	505.891.5055		SCOTT SENSANBAUGH
ENGINEERING DEPARTMENT	505.891.5000		KENNETH CURTIS
PNM - ELECTRIC	505.241.6719		JOE HERERRA
PNM - GAS	505.241.7778		ALBERT LANDAVAZO
QWEST	505.245.6296		LARRY GURULE
NM ONE CALL	505.260.1990		
CABLE ONE	505.892.5114		DAVE JUNE
E SPIRE	505.998.2274		JOHN MAREZ

EROSION NOTES:

- 1 EACH 30 ACRE QUARTER MUST BE STABILIZED BEFORE THE NEXT INCREMENT CAN BE DISTURBED.
- 2 ENTIRE AREA WITHIN GRADING LIMITS MUST BE RESEDED AS A PART OF THE PROJECT. REFER TO ROADWAY PLAN & PROFILE SHEETS FOR GRADING LIMITS. ONLY LOTS WITH HOME CONSTRUCTION ACTUALLY UNDER WAY MAY BE EXEMPTED.
- 3 INDIVIDUAL SURFACE DISTURBANCE PERMITS WILL BE REQUIRED OF OWNERS OF LOTS REACHING OR EXCEEDING 3/4 ACRE, WHETHER CONTIGUOUS OR NON CONTIGUOUS.
- 4 TEMPORARY EROSION FENCING (OR PERMANENT WALLS OR FENCING) SHALL BE USED TO PROTECT EXISTING RESIDENTIAL PROPERTY, STREETS LANDSCAPING AND THE DRAINAGE SYSTEMS FOR THE DEPOSITION OF ERODED MATERIAL.
- 5 CONSTRUCTION AREA SHALL BE CONTROLLED TO PREVENT TRESPASS USE BY FOUR-WHEEL DRIVES, OFF-ROAD VEHICLES AND MOTORCYCLES TO MINIMIZE NOISE, DUST, DESTRUCTION OF VEGETATION, WIND AND WATER EROSION.
6. CONTRACTOR SHALL MAINTAIN SWPPP ON LOCATION AT ALL TIMES.

LIST OF INCIDENTALS:

- 1 UTILITY REPAIR COSTS
- 2 EARTHWORK HAUL
- 3 DESIGN, INSTALLATION, AND REMOVAL OF SHIELDING FOR CONSTRUCTION EQUIPMENT OR MATERIAL WITH IN CONSTRUCTION CLEAR ZONE
- 4 HAULING OF SALVAGEABLE MATERIALS
- 5 DISPOSAL OF REMOVED ASPHALT PAVEMENT MATERIAL
- 6 HAULING OF REMOVALS AND DISPOSED MATERIAL
- 7 TRAFFIC SIGNALIZATION AND TEMPORARY TRAFFIC CONTROL COORDINATION
- 8 WARPING OF SLOPES
- 9 CLEAR ZONE SHIELDING
- 10 CLEANING OF EXISTING STRUCTURES
- 11 CONSTRUCTION WATER
- 12 UTILITY VERIFICATION, LINE SPOTTING, POT HOLING AND EXPLORATION
- 13 EXISTING SERVICE LINE DISCONNECT AND RECONNECT
- 14 OTHER: AS OUTLINED ON THE GENERAL NOTES SHEET

12-21-04



SOUTHERN SANDOVAL COUNTY
ARROYO FLOOD CONTROL
AUTHORITY

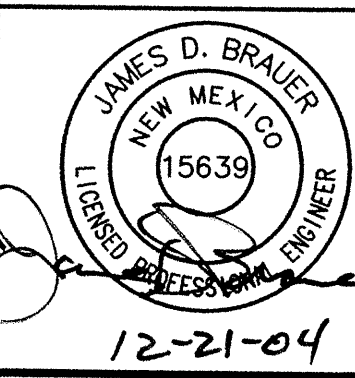


**WILSON
& COMPANY**

2600 THE AMERICAN ROAD SE
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

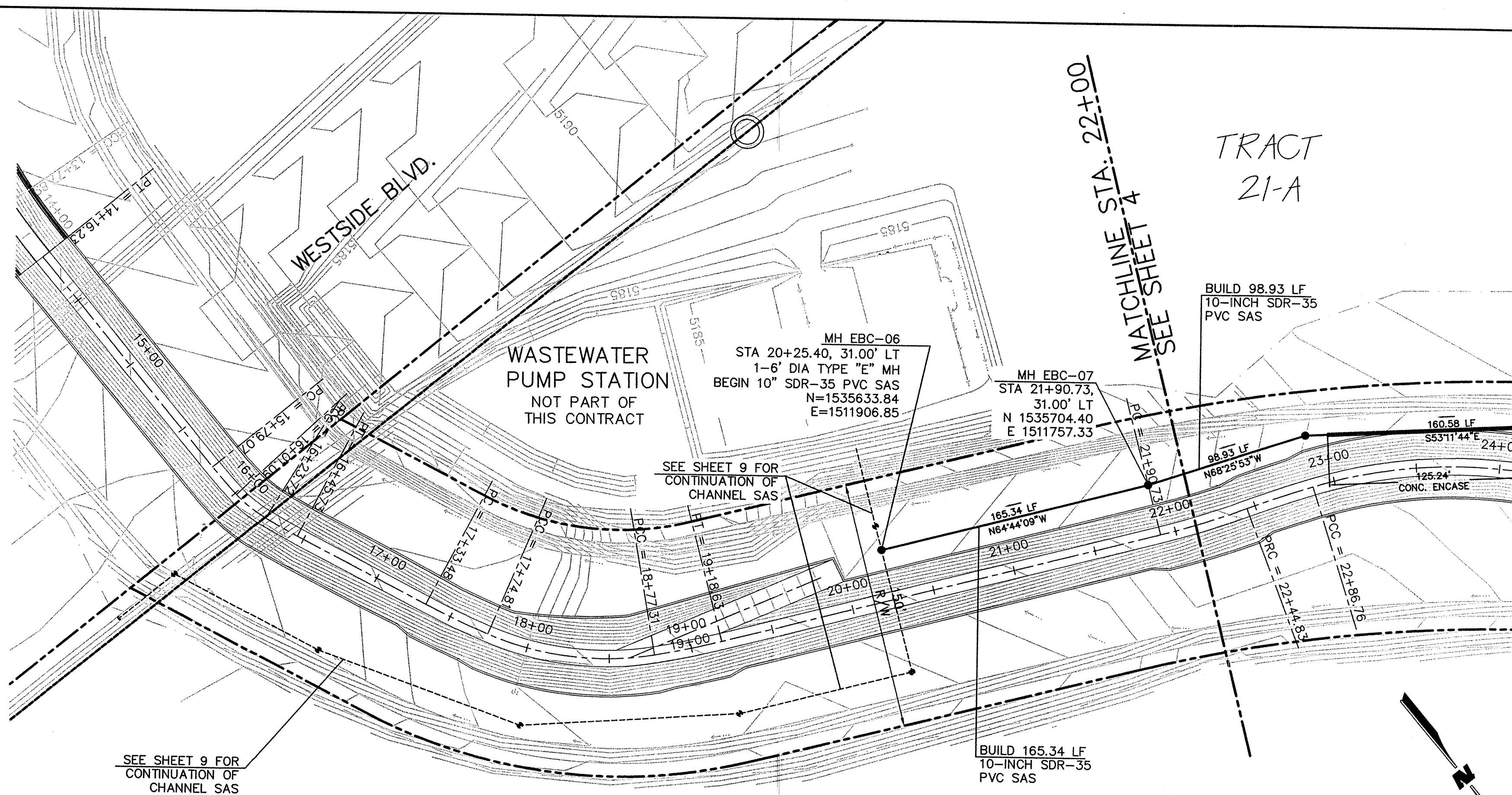
EAST BRANCH CHANNEL
SANITARY SEWER

GENERAL NOTES



REVISIONS

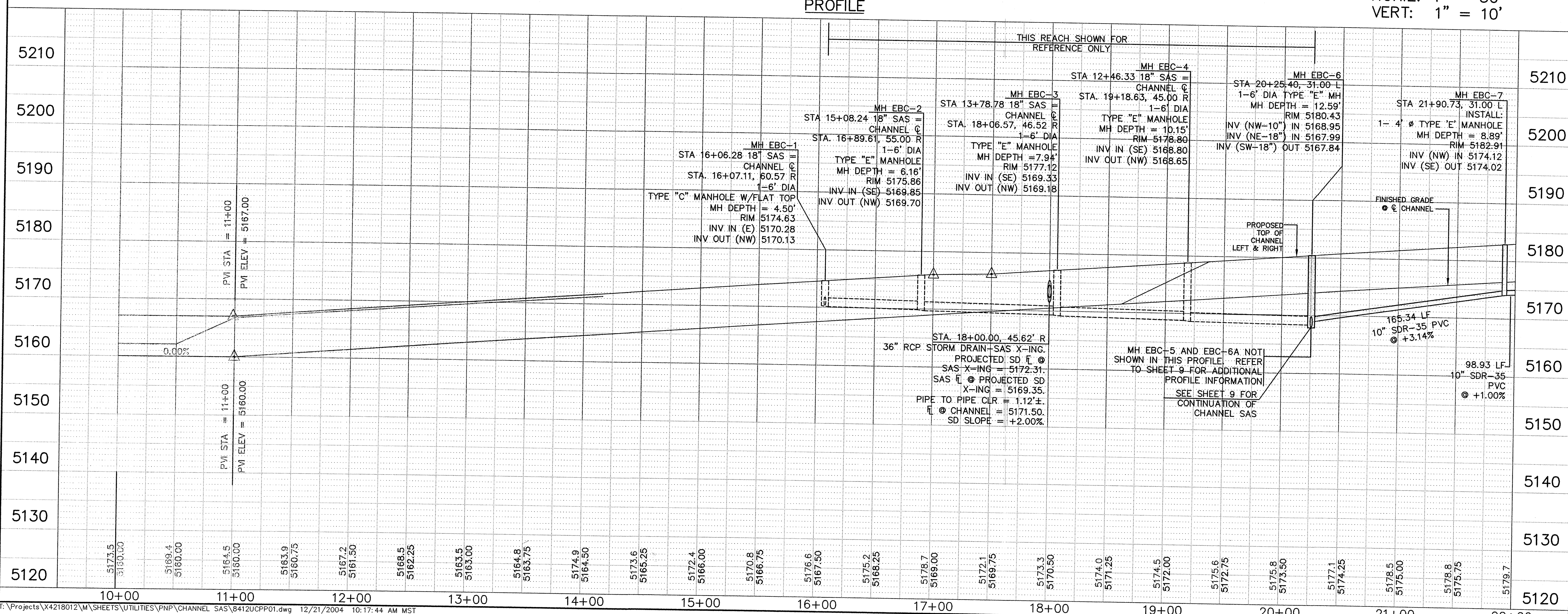
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DESIGN	JDB	WCEA NO. X4218012	DATE DEC 2004
DRAWN	JDB	PROJECT NO.	SHEET NO.
CHECK	JDB	N/A	2 OF 11



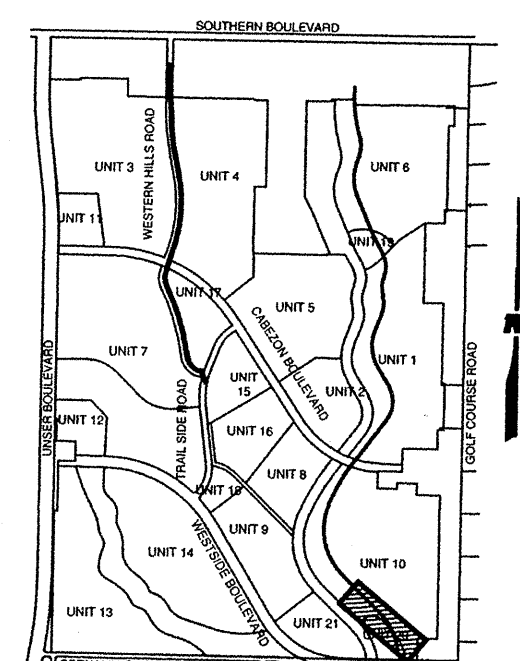
EAST BRANCH CHANNEL
PLAN
PROFILE

TRACT
10-A

SCALE:
HORIZ: 1" = 50'
VERT: 1" = 10'



- NOTES:
- NON-PRESSURE RATED PVC PIPE 15" AND LESS SHALL BE SDR-35 WITH MINIMUM PIPE STIFFNESS OF 46 PSI. NON-PRESSURE RATED PVC PIPE LARGER THAN 15" SHALL BE PER ASTM F679 (T1) WITH MINIMUM PIPE STIFFNESS OF 46 PSI.
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 - ALL MANHOLES SHALL BE 4' DIAMETER TYPE "E" UNLESS OTHERWISE NOTED ON PLANS.



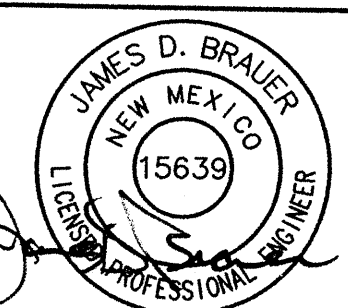
RCS 12-21-04



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EAST BRANCH CHANNEL
SANITARY SEWER

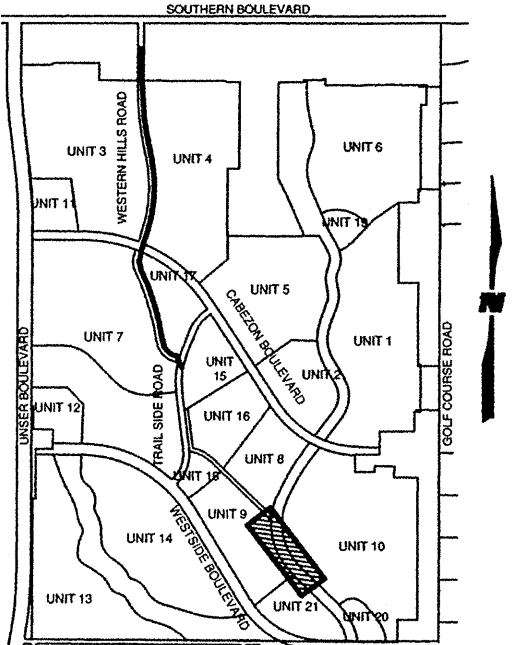
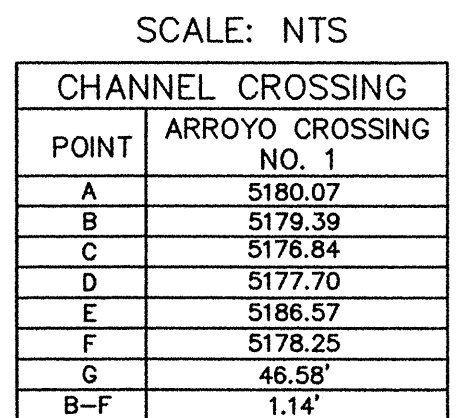
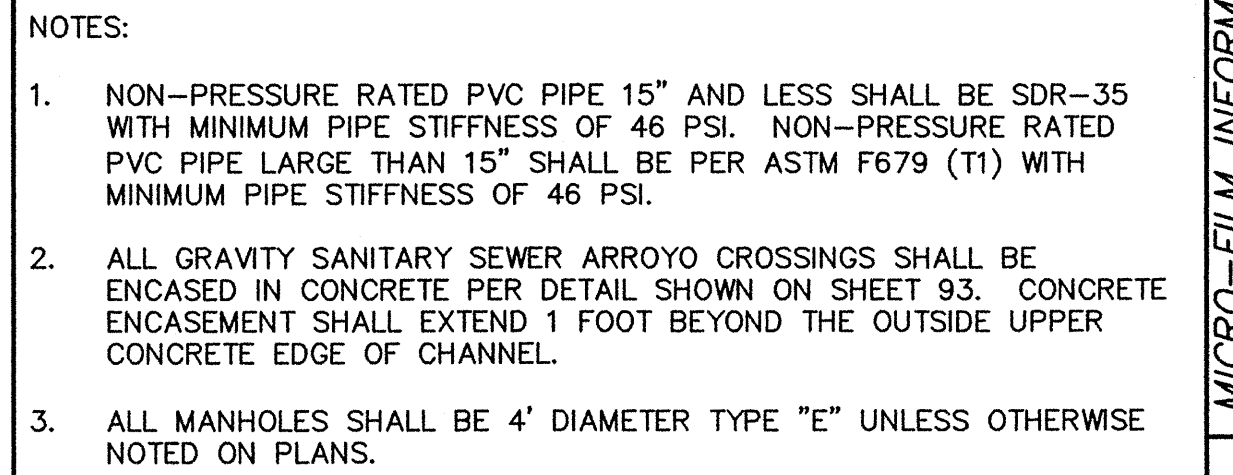
CHANNEL SAS
STA. 20+25.40 TO STA. 22+00.00



NO.	DATE	REMARKS	BY
DESIGN	JDB	WCEA NO. X4218012	DATE DEC 2004
DRAWN	JDB	PROJECT NO. N/A	SHEET NO. 3 OF 11
CHECK	JDB		

WCEA #X4218012
DEC 2004

RMM
12/21/04



INDEX MAP

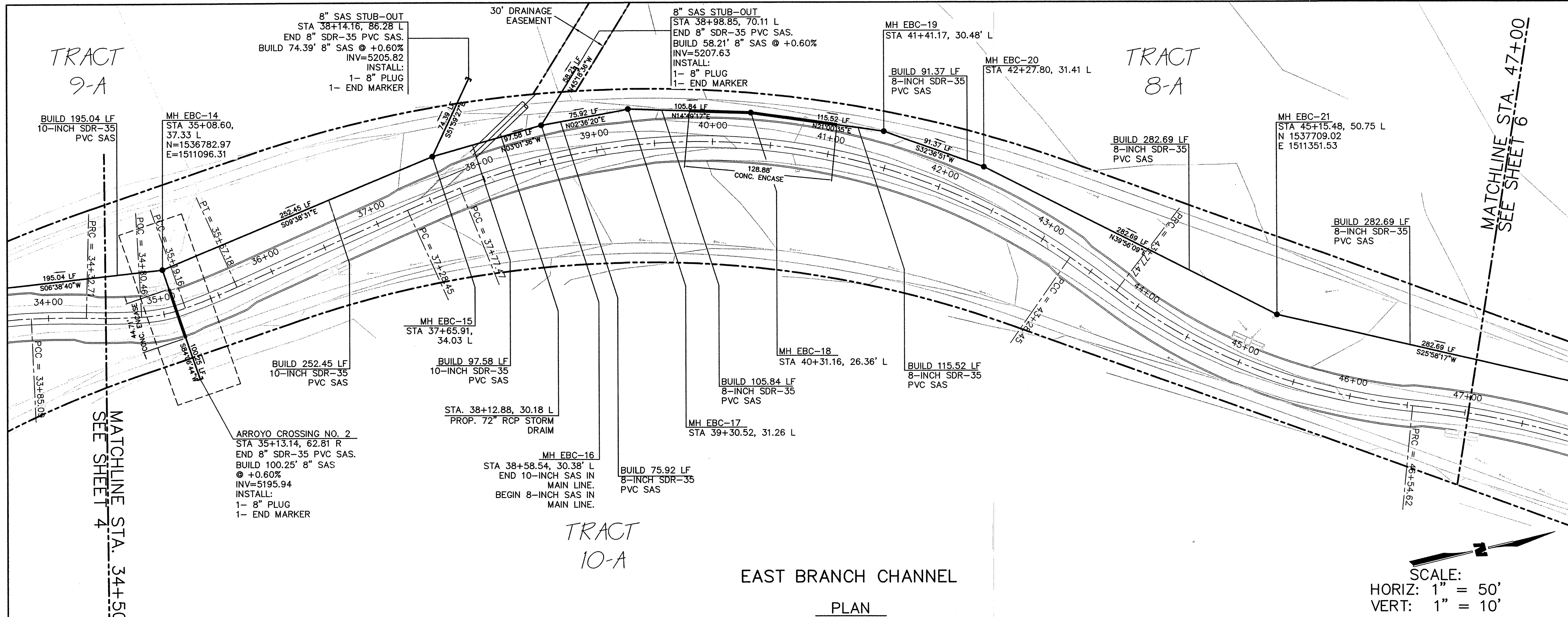


EAST BRANCH CHANNEL SANITARY SEWER

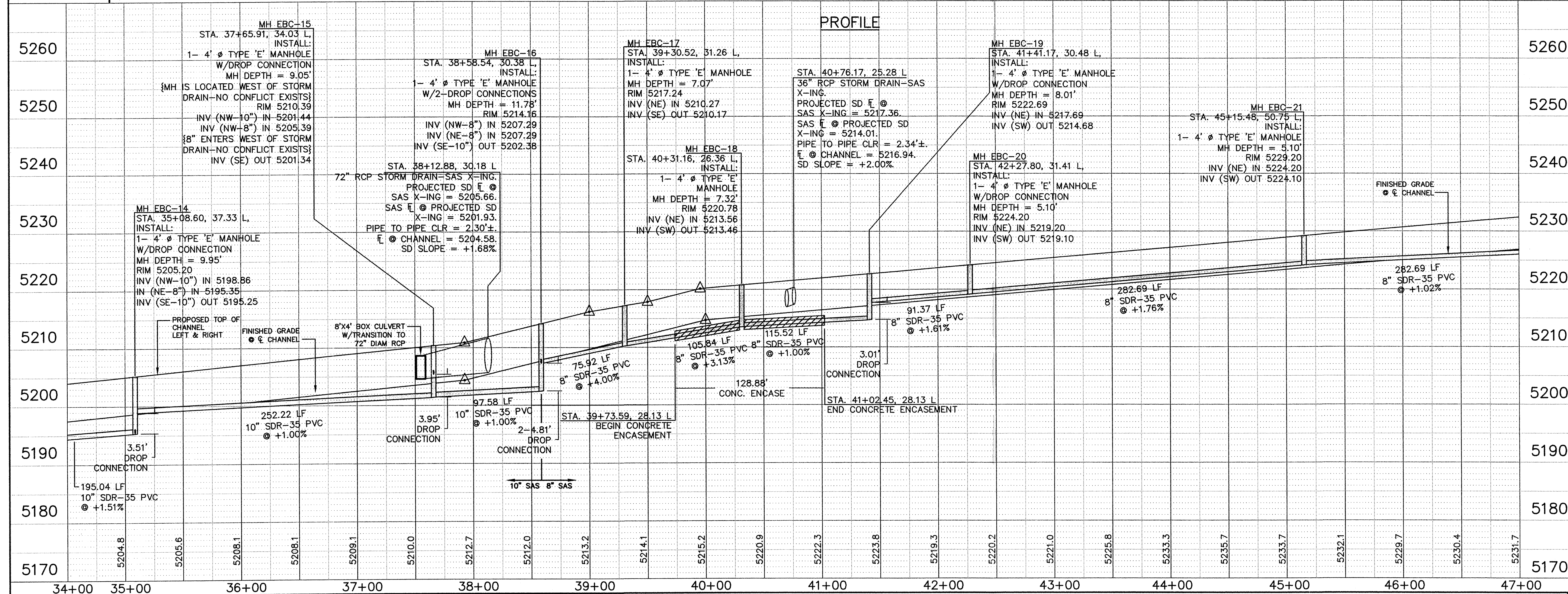
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REVISIONS	NO.	DATE	REMARKS		BY
DESIGN		JMT	WCEA NO. X4218012	DATE	DEC 2004
DRAWN		JDB	PROJECT NO.	SHEET NO.	
CHECK		JDB	N/A	4 OF 11	

RMM
12/21/04



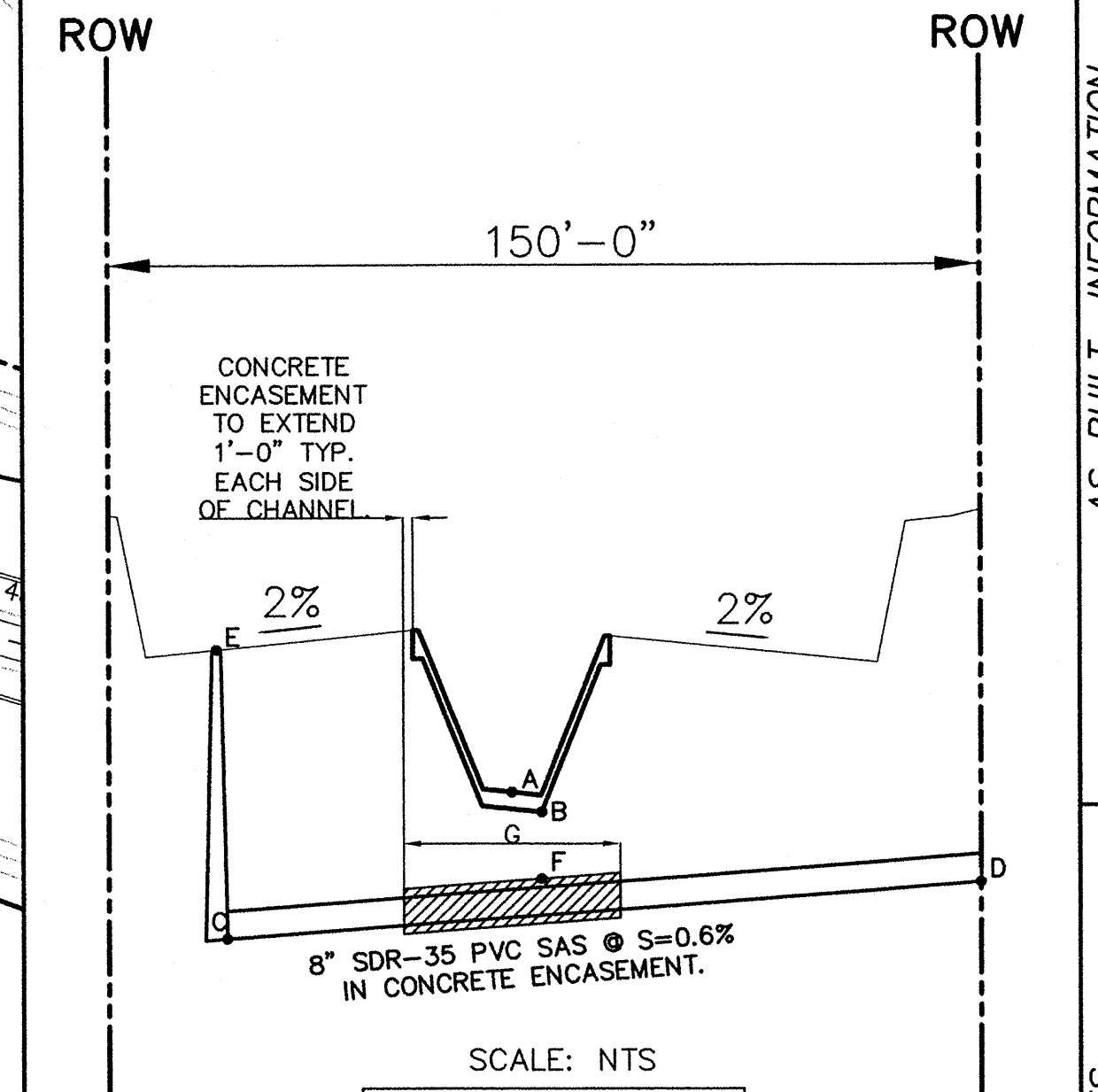
EAST BRANCH CHANNEL
PLAN



PROFILE

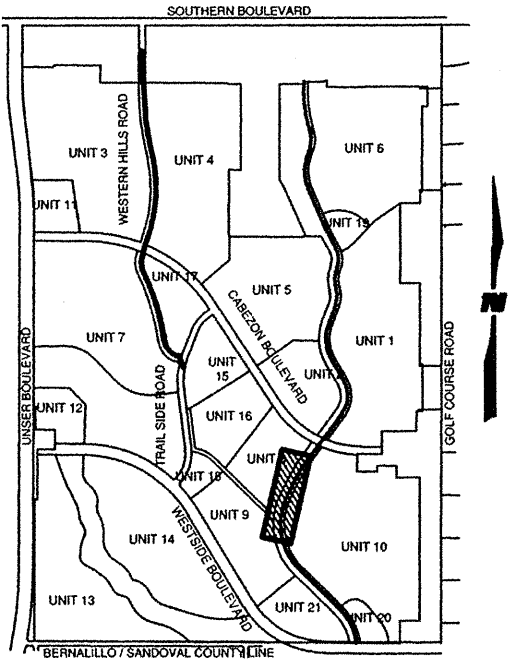
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SCALE: NTS

POINT	ARROYO CROSSING NO. 2
A	5198.60
B	5197.92
C	5195.35
D	5195.94
E	5205.20
F	5196.78
G	44.71'
B-F	1.14'



RS 12-21-04



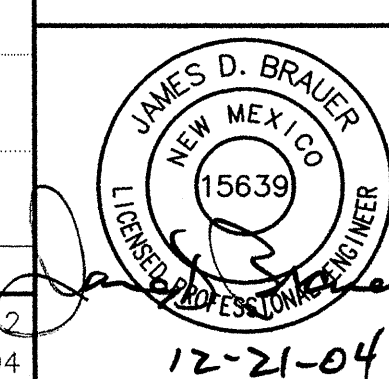
SOUTHERN SANDOVAL COUNTY
ARROYO FLOOD CONTROL
AUTHORITY

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

EAST BRANCH CHANNEL
SANITARY SEWER

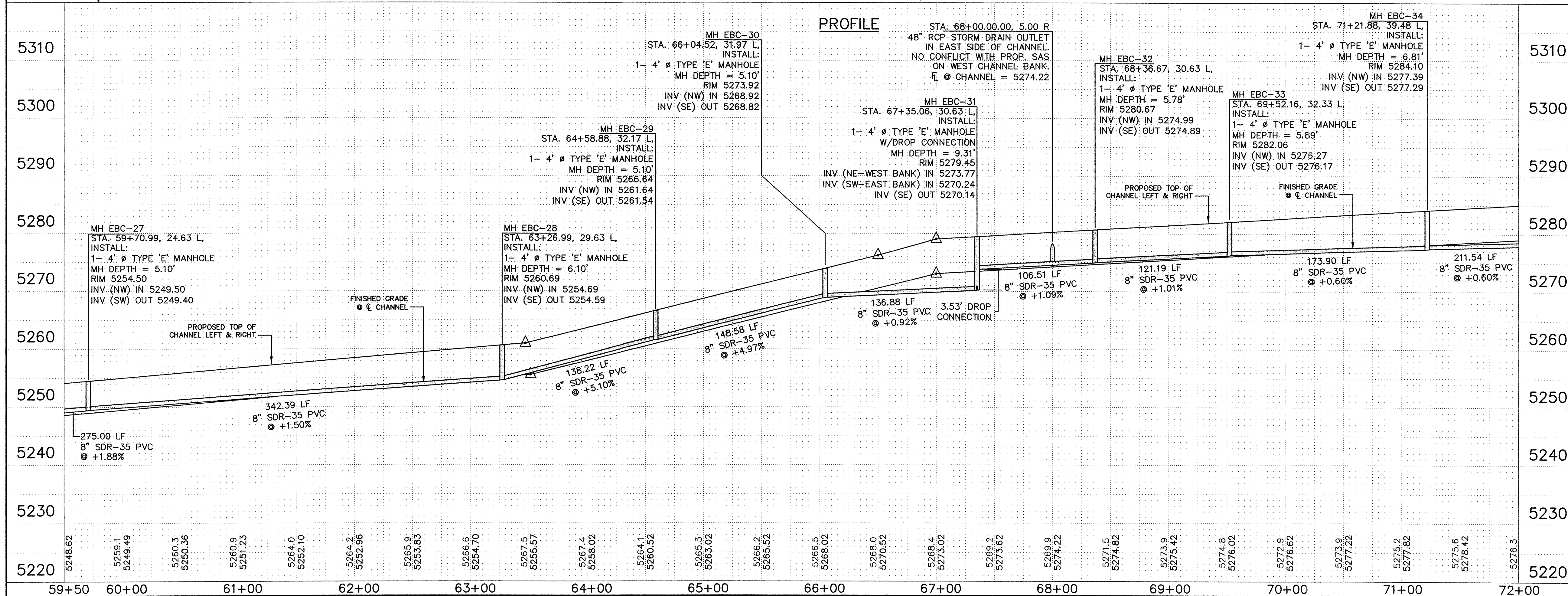
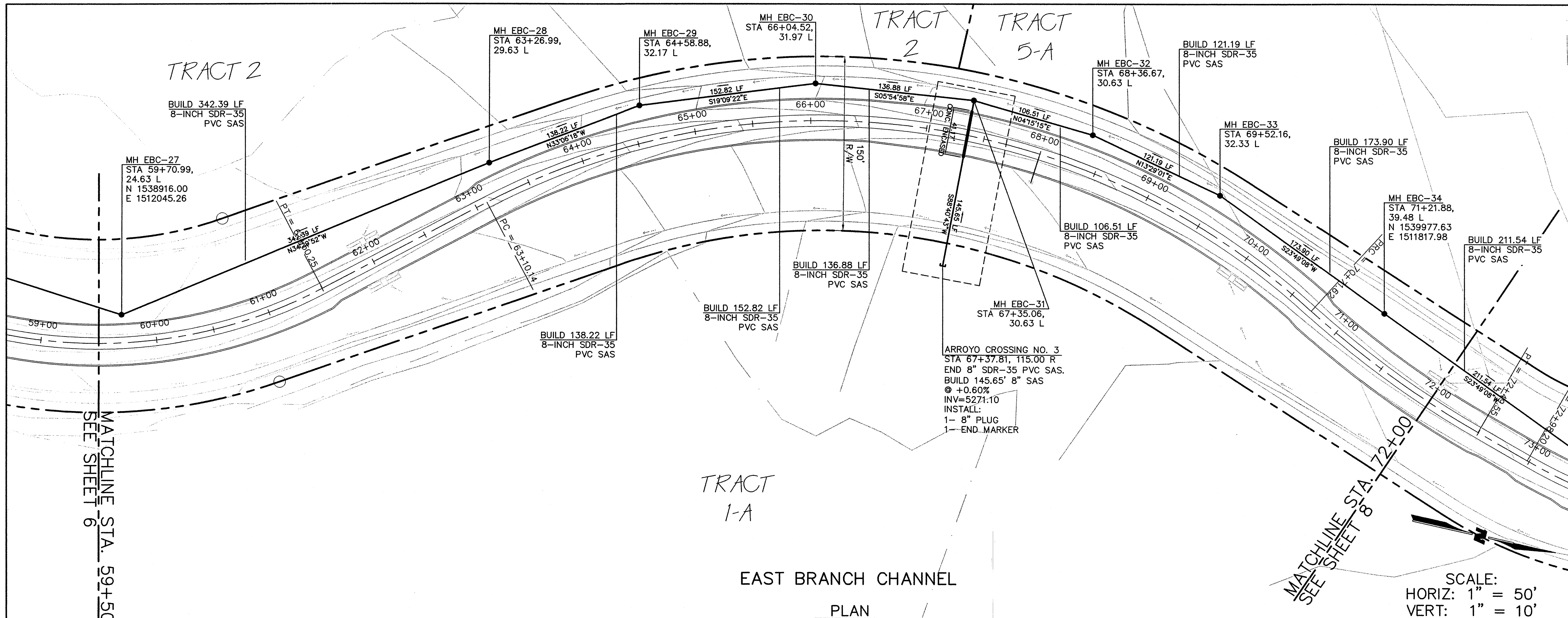
CHANNEL SAS
STA. 34+50.00 TO STA. 47+00.00

REVISIONS	NO.	DATE	REMARKS	BY
DESIGN	JDB	WCEA NO. X4218012	DATE DEC 2004	
DRAWN	JDB	PROJECT NO.	SHEET NO.	
CHECK	JDB	N/A	5 OF 11	



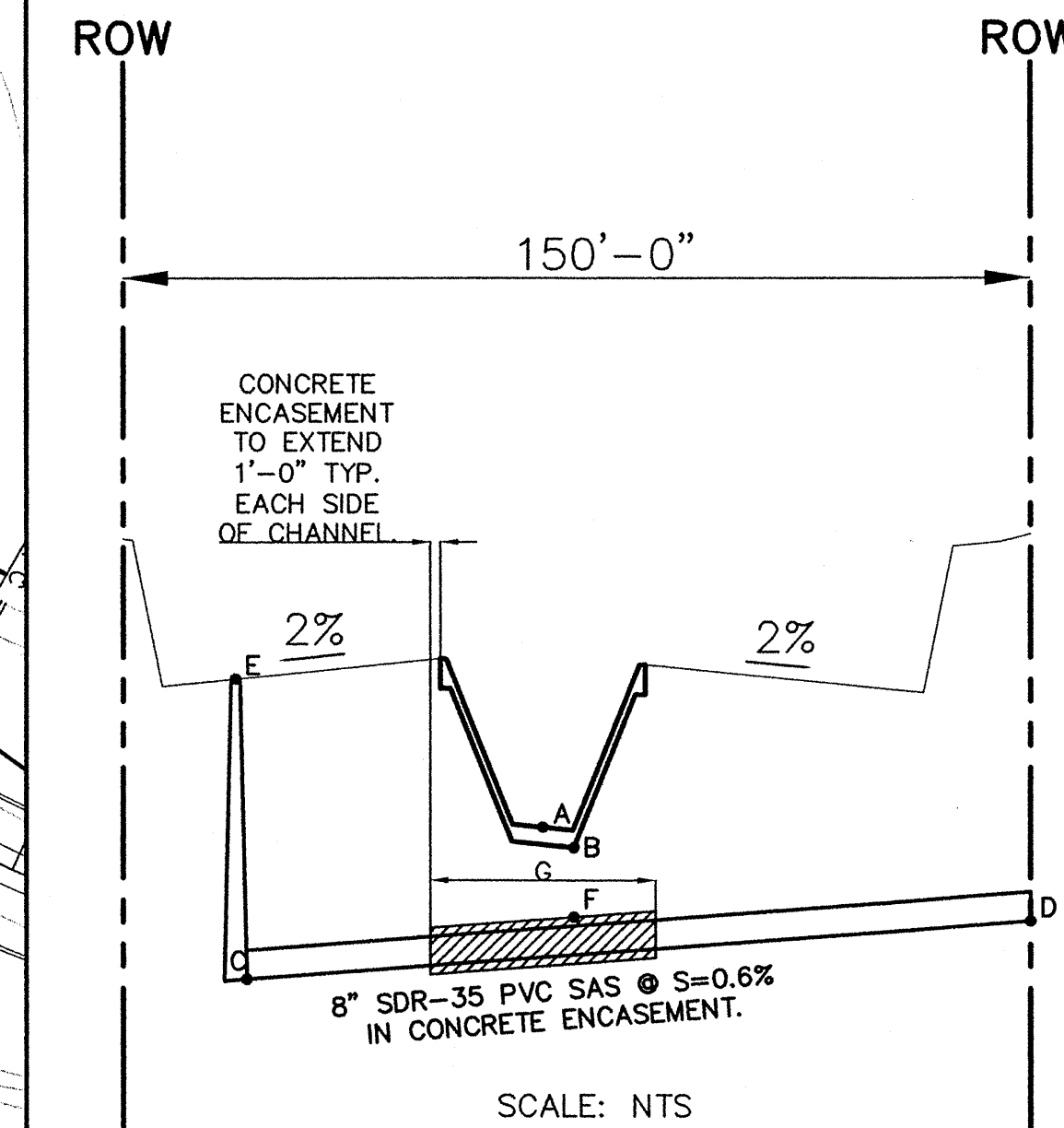
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WCEA #X4218012
DEC 2004

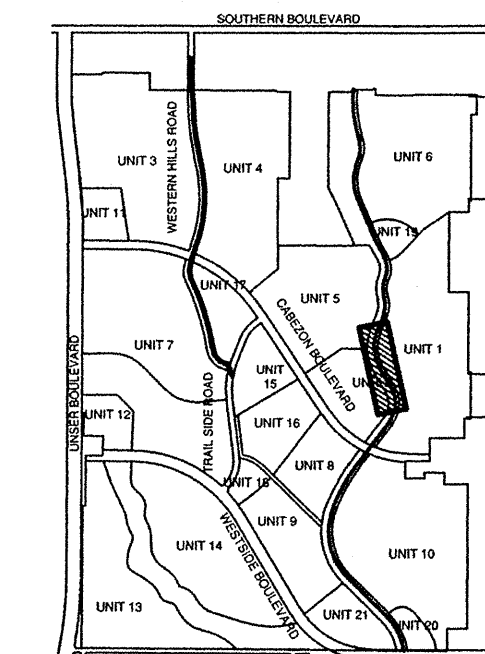


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POINT	ARROYO CROSSING NO. 3
A	5273.44
B	5272.76
C	5270.24
D	5271.10
E	5279.45
F	5271.82
G	411.17
B-F	1.14'



RS 12-21-04

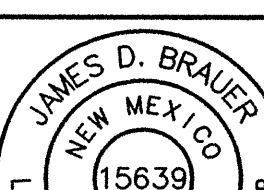


SOUTHERN SANDOVAL COUNTY
ARROYO FLOOD CONTROL
AUTHORITY



EAST BRANCH CHANNEL
SANITARY SEWER

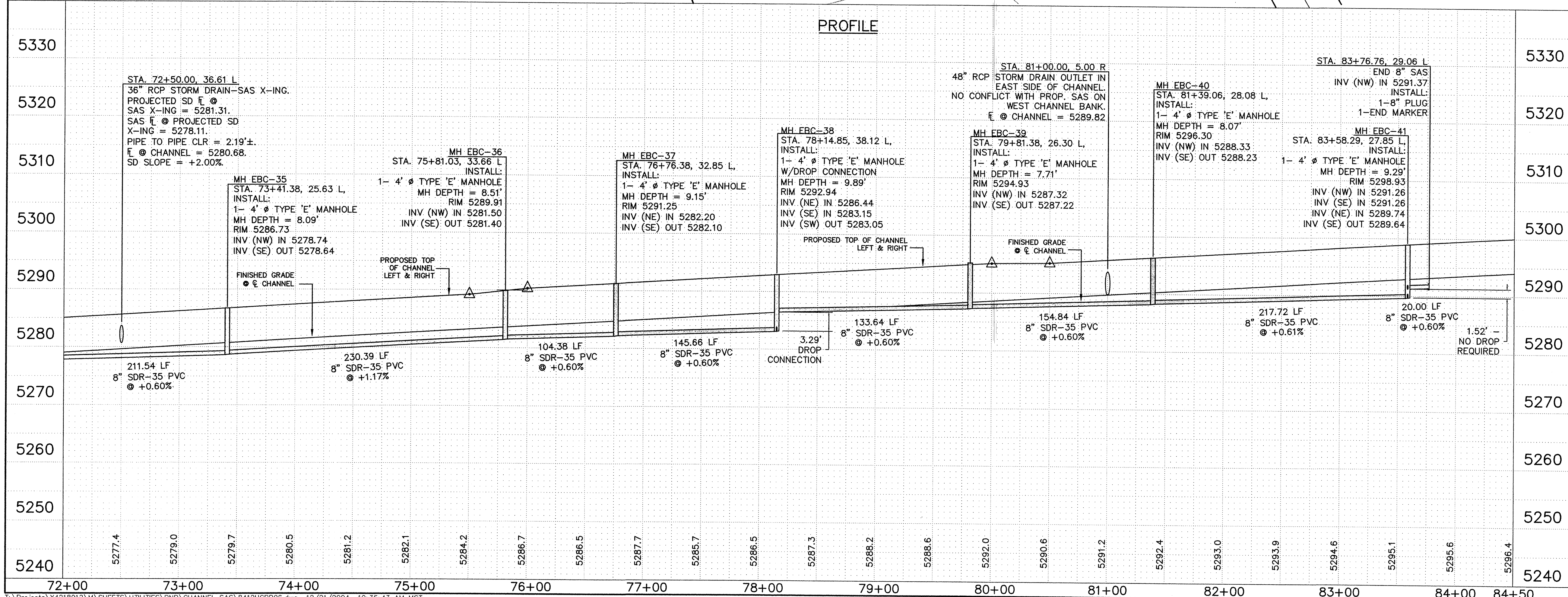
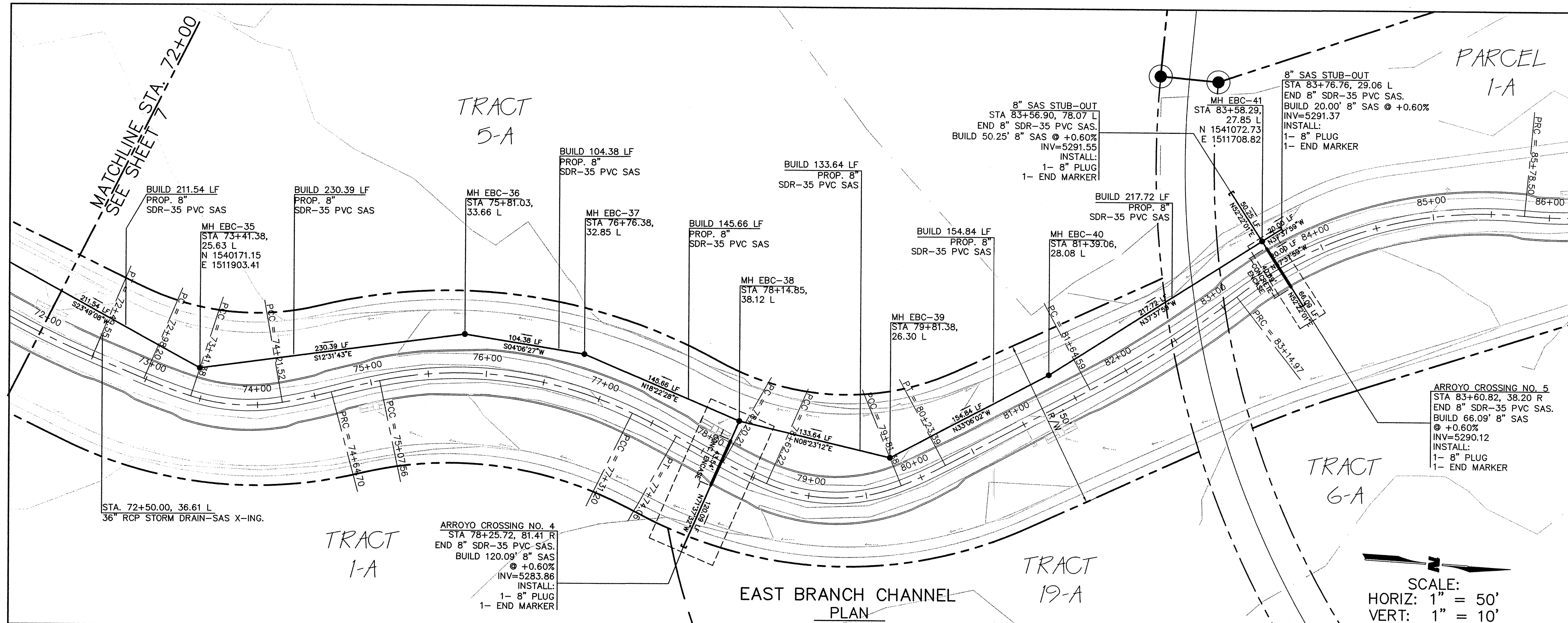
CHANNEL SAS
STA. 59+50.00 TO STA. 72+00.00



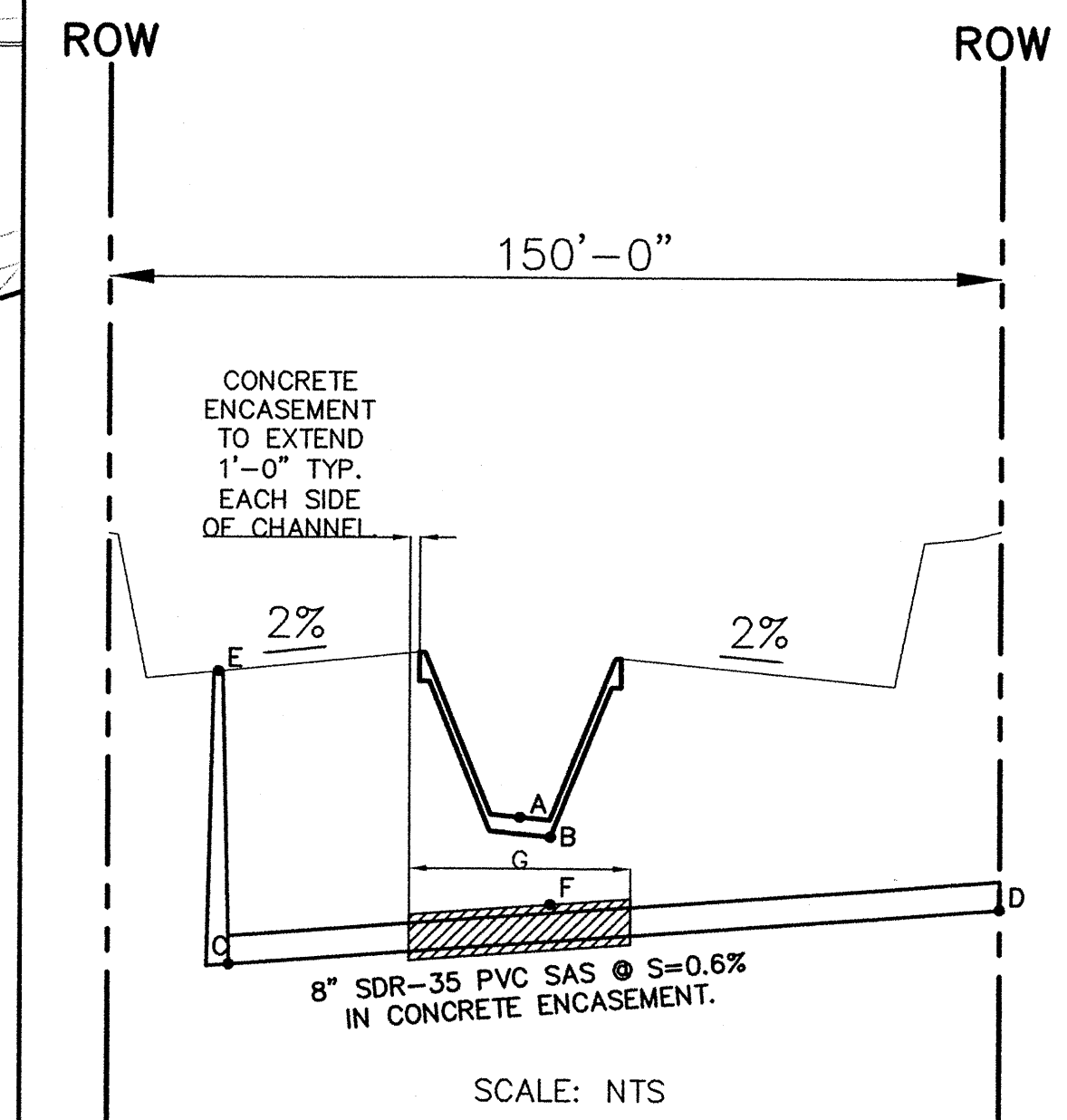
REVISIONS	NO.	DATE	REMARKS	BY
DESIGN	JDB	WCEA NO. X4218012	DATE DEC 2004	
DRAWN	JDB	PROJECT NO. N/A	SHEET NO. 7	OF 11
CHECK	JDB			

WCEA #X4218012
DEC 2004

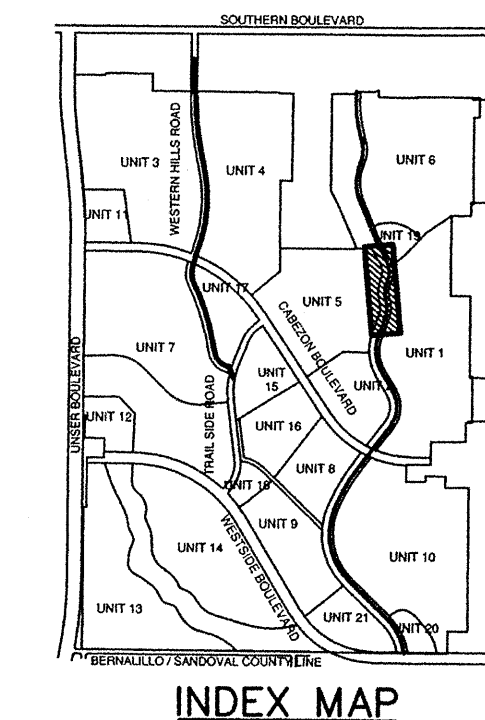
12-21-04



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CHANNEL CROSSING		
POINT	ARROYO CROSSING NO. 4	ARROYO CROSSING NO. 5
A	5286.40	5292.93
B	5285.72	5292.25
C	5283.15	5289.74
D	5283.86	5290.12
E	5292.94	5298.93
F	5284.58	5291.11
G	43.54'	40.69'
B-F	1.14'	1.14'



**SOUTHERN SANDOVAL COUNTY
ARROYO FLOOD CONTROL
AUTHORITY**

**EAST BRANCH CHANNEL
SANITARY SEWER**

**CHANNEL SAS
STA. 72+00.00 TO STA. 83+76.76**

2800 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

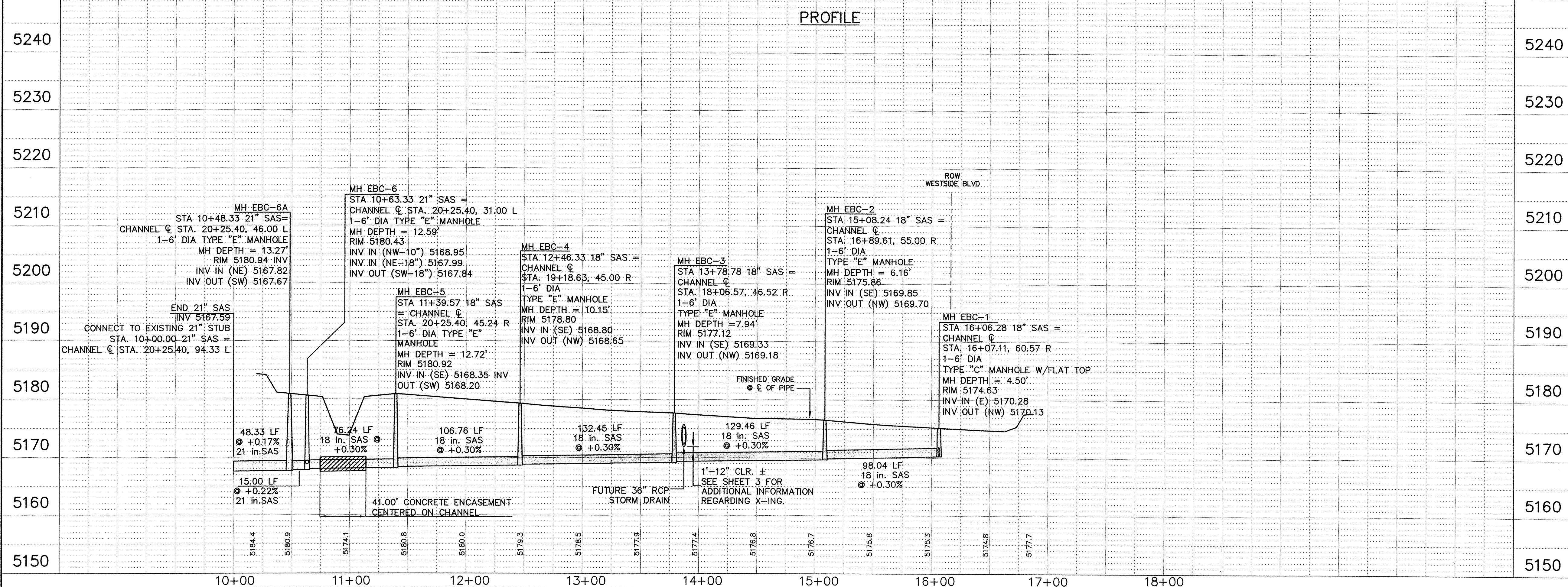
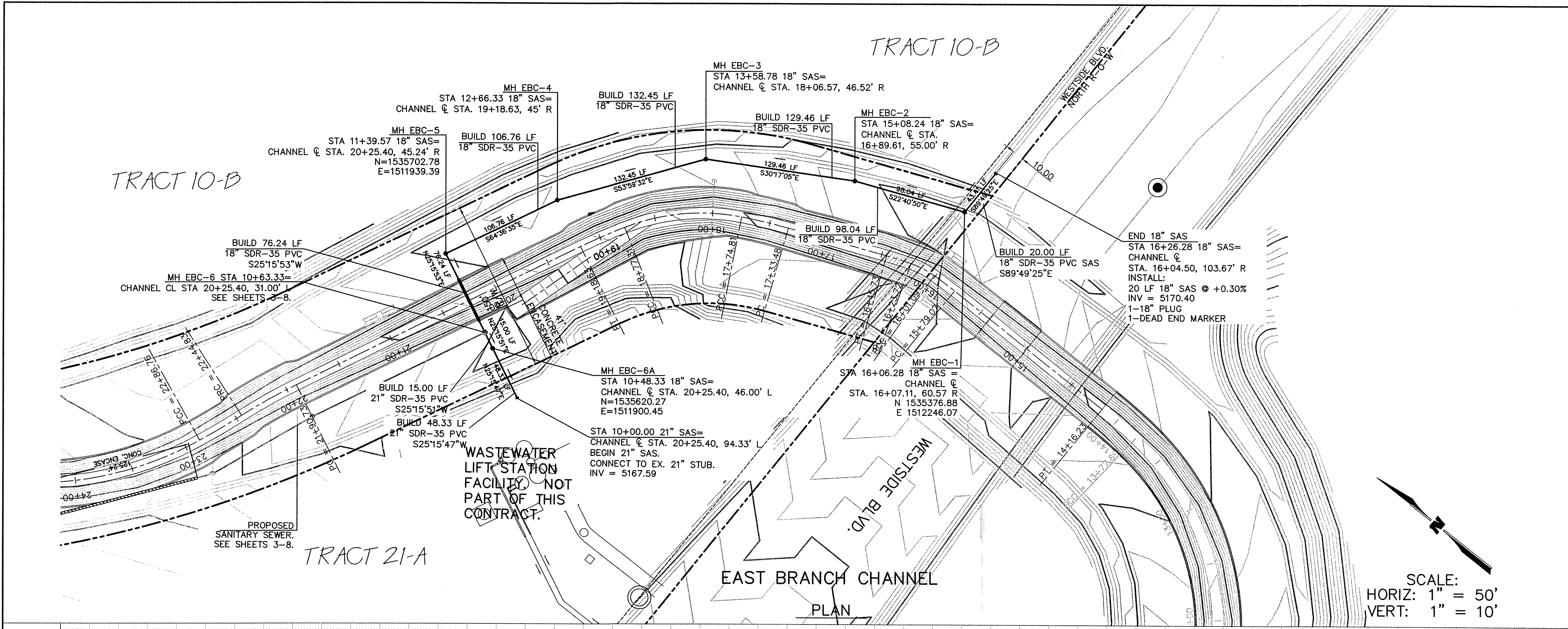
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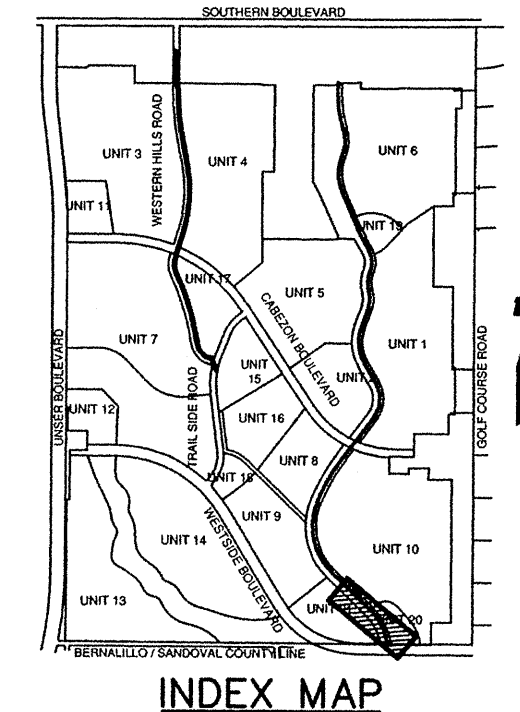
DRAWN JDB PROJECT NO. N/A SHEET NO. 8 OF 11

CHECK JDB

12-21-04



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RS 12-21-M

SOUTHERN SANDOVAL COUNTY
ARROYO FLOOD CONTROL
AUTHORITY

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

JAMES D. BRAUER
NEW MEXICO
15639
LICENSED PROFESSIONAL ENGINEER

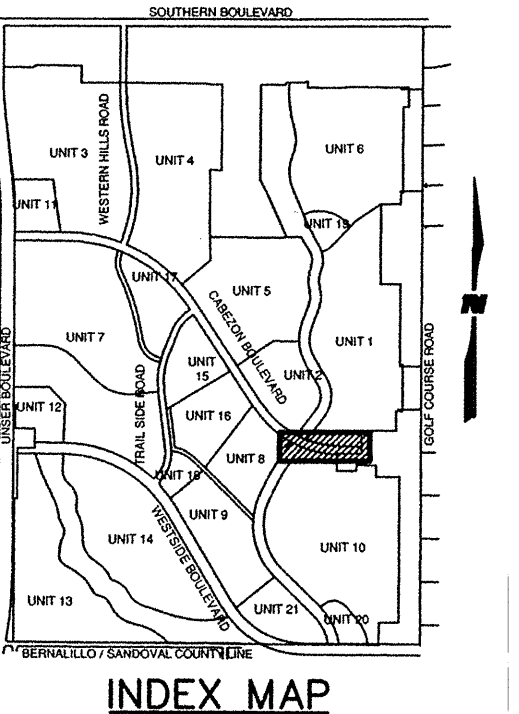
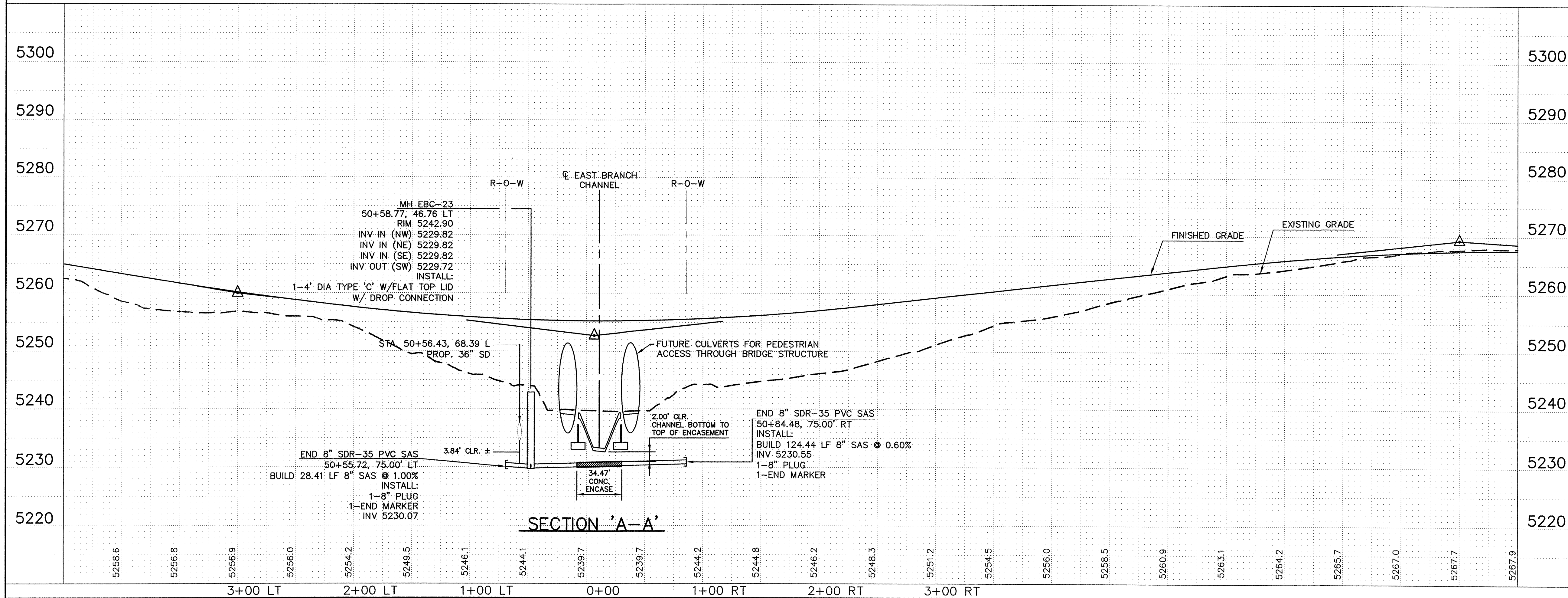
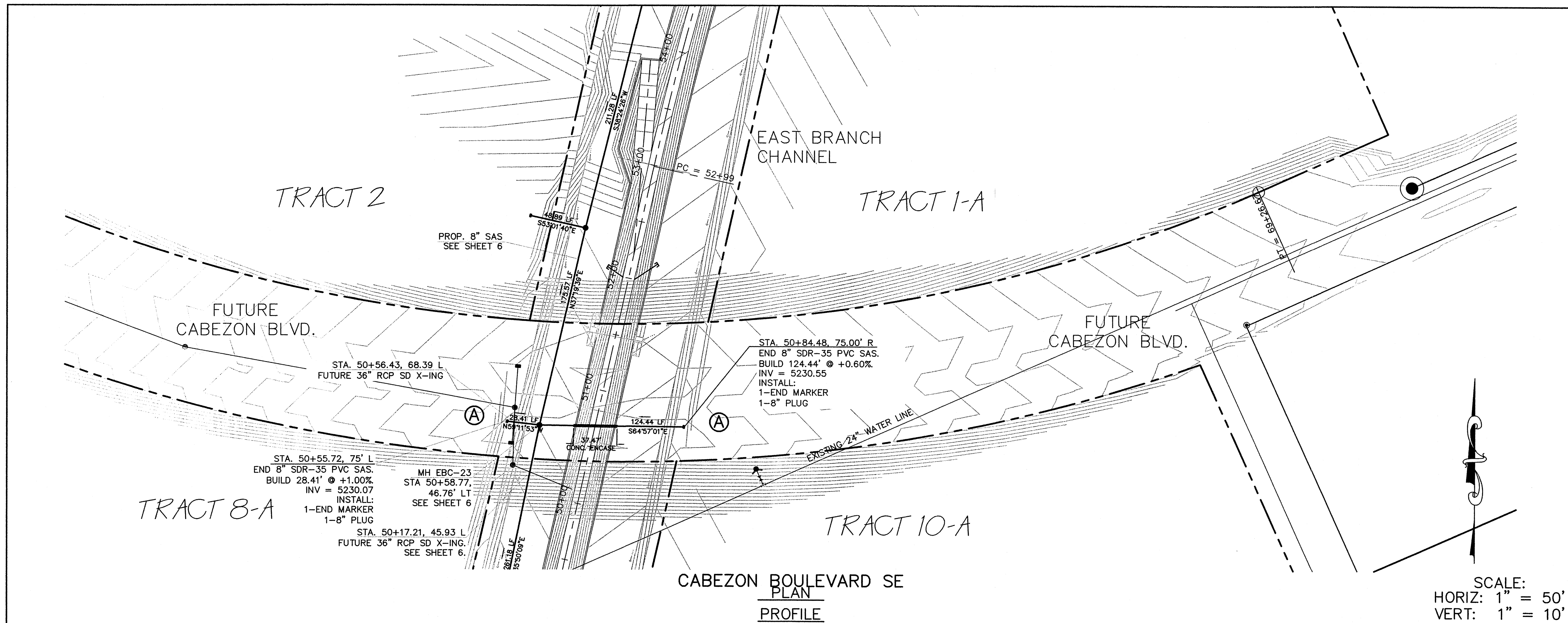
NO. DATE BY

DESIGN JDB WCEA NO. X4218012 DATE DEC 2004

DRAWN JDB PROJECT NO. N/A SHEET NO. 9 OF 11

CHECK JDB

12-21-04
12/21/04
PMM



CITY OF RIO RANCHO
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION



WILSON & COMPANY
2600 THE AMERICAN ROAD SE
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

**EAST BRANCH CHANNEL
SANITARY SEWER**
**SANITARY SEWER X-SECTION
CABEZÓN BLVD./EAST BRANCH**

REVISIONS	NO.	DATE	REMARKS	BY
DESIGN	JDB	WCEA NO. X4218012	DATE DEC 2004	
DRAWN	JMT	PROJECT NO.	SHEET NO.	
CHECK	JDB	N/A	10 OF 11	

12-21-04
RMM
12/21/04

MICROFILM INFORMATION			
RECORDED BY	DATE	NO.	DATE
CONTRACTOR	DATE	NO.	DATE
INSPECTOR'S	DATE	NO.	DATE
FIELD	DATE	NO.	DATE
VERIFICATION BY	DATE	NO.	DATE
BENCH MARKS			
ACS 1 1/4" ALUM DISK, STAMPED "ACS BM, 1-11", EPOXY TO TOC, E. SIDE OF UNSER BLVD. NW 24 1/2' N. OF BERNALILLO, SANDOVAL COUNTY FENCE LINE, 20.1' S. OF SPEED LIMIT 45 SIGN, 50.7' N. OF THE SOUTH END OF C&G, EL=5279.75			
SURVEY INFORMATION			
DATE	BY	NO.	DATE

