

CONSTRUCTION PLANS FOR BLACK RANCH TRACT 3 INFRASTRUCTURE IMPROVEMENTS

RECORD DRAWINGS

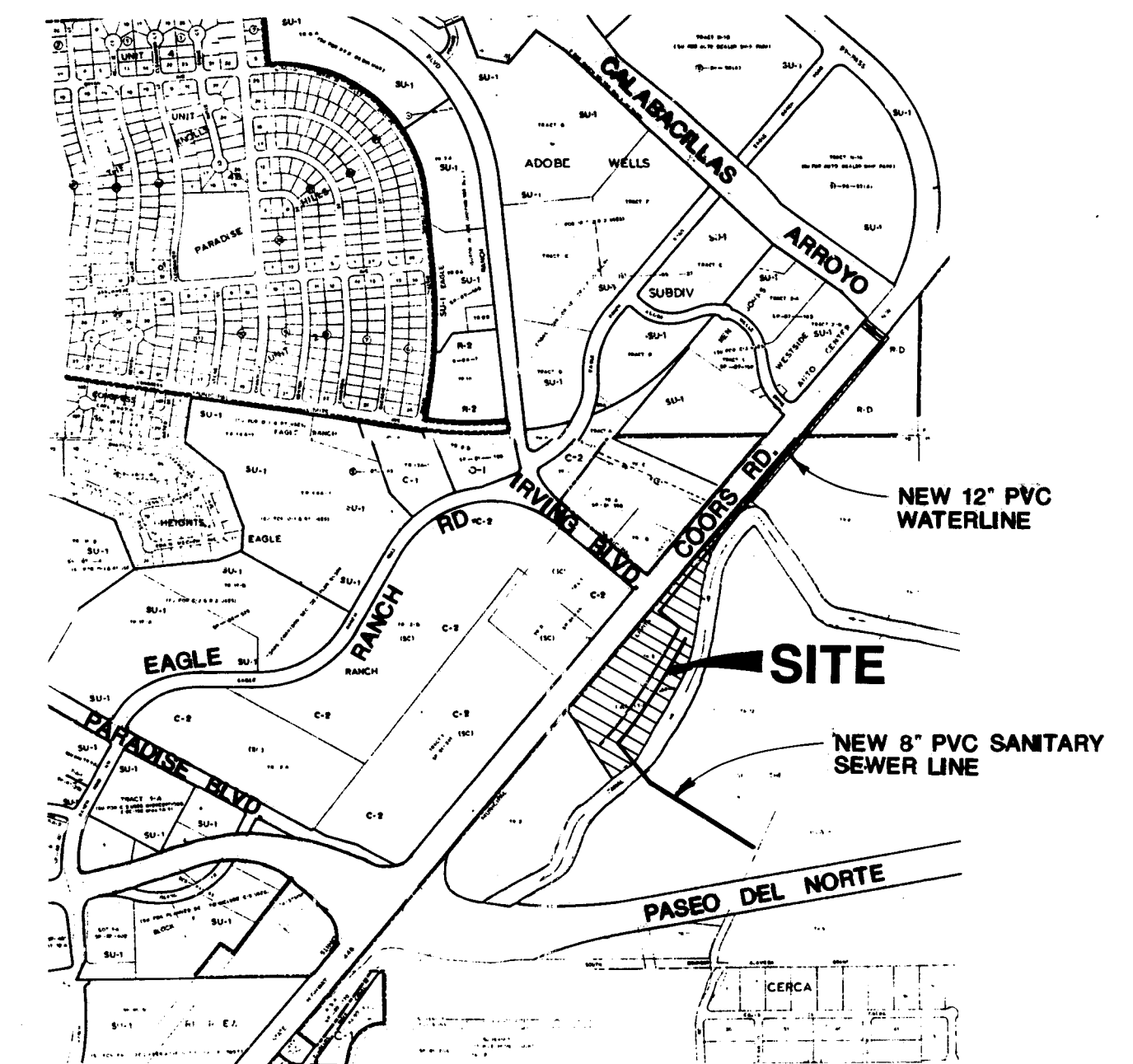
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS. I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.



Ronald P. Bohannon
Ronald P. Bohannon, P.E.
NMPE No. 9814
Date: 11/18/91

VICINITY MAP

C-13-7
1" = 1000'



SHEET INDEX

SHEET TITLE

JURISDICTION

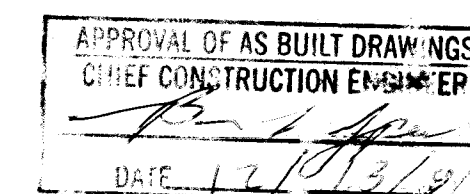
		B.C.P.W.D.	N.M.U.I.	C.O.A.	N.M.S.H.D.
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13 OF 28	COORS PLAN & PROFILE STA. 39+60 TO STA. 44+60	•	•	•	•
14 OF 28	COORS PLAN & PROFILE STA. 44+60 TO STA. 49+00	•	•	•	•
15 OF 28	IRVING PLAN & PROFILE STA. 5+00 TO STA. 9+70	•	•	•	•
16 OF 28	VALLEY VIEW PLACE PLAN & PROFILE STA. 5+00 TO STA. 8+67.96	•	•	•	•
17 OF 28	VALLEY VIEW DRIVE PLAN & PROFILE STA. 5+00 TO STA. 14+79.51	•	•	•	•
18 OF 28	SANITARY SEWER OUTFALL PLAN & PROFILE STA. 5+00 TO STA. 16+43.80	•	•	•	•
19 OF 28	STORM DRAIN OUTFALLS PLAN & PROFILE IRVING BOULEVARD & TRACT 3F	•	•	•	•
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GENERAL NOTES

- ALL STREET AND DRAINAGE WORK WITHIN THE COORS BOULEVARD RIGHT-OF-WAY AS DETAILED ON THESE PLANS IS UNDER THE JURISDICTION OF THE CITY OF ALBUQUERQUE AND THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION AS AMENDED AND UPDATED AS OF ISSUE OF WORK ORDER, EXCEPT FOR GENERAL CONDITIONS, AND EXCEPT AS OTHERWISE STATED OR PROVIDED IN THESE PLANS.
- ALL STREET AND DRAINAGE WORK OUTSIDE THE COORS BOULEVARD RIGHT-OF-WAY, AS DETAILED ON THESE PLANS IS UNDER THE JURISDICTION OF THE BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 1984 EDITION AS AMENDED AND UPDATED.
- ALL WATER AND SANITARY SEWER WORK WITHIN AND OUTSIDE THE COORS BOULEVARD RIGHT-OF-WAY AS DETAILED ON THESE PLANS IS UNDER THE JURISDICTION OF NEW MEXICO UTILITIES, INC. AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW MEXICO UTILITIES, INC. SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES - REVISED MARCH 2, 1990.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT ONE CALL SYSTEM, INC., 260-1960, FOR LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL COORDINATE ALL UTILITY WORK INCLUDING CUT OFF OF EXISTING UTILITIES FOR NEW CONNECTIONS (FIRE PROTECTION, DOMESTIC WATER, SEWER, STORM DRAIN, GAS PIPING, ETC.) WITH ENGINEER, OWNER, AND LOCAL UTILITY REPRESENTATIVES.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT NEW MEXICO UTILITIES, INC., 896-2661, FOR LOCATION OF THEIR WATER AND WASTEWATER FACILITIES.
- THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH MUNICIPAL OFFICIALS, AND PREVIOUS CONSTRUCTION DRAWINGS. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES AND UTILITY CONNECTION POINTS IN THE IMMEDIATE VICINITY OF THE PROPOSED SITE MAY BE SLIGHTLY DIFFERENT FROM THE LOCATION SHOWN ON THIS DRAWING. 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 SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL GAS, ELECTRIC, TELEPHONE LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE DONE BY THE RESPONSIBLE UTILITY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES.
- 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.
- ALL EXCAVATION/CONSTRUCTION PERMITS WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- THE CONTRACTOR SHALL EXERCISE REASONABLE CARE DURING CONSTRUCTION TO PREVENT THE MOVEMENT OF SEDIMENT FROM THE SITE INTO THE STREET. LOOSE SOIL STOCKPILES IN THE STREET DURING UTILITY CONSTRUCTION ACTIVITIES SHALL BE PROTECTED FROM BEING CARRIED DOWNSTREAM BY FLOWING WATER IN THE STREET.
- DISPOSAL OF ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS SPECIFIED IN SECTION 6.14 OF THE GENERAL CONDITIONS IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION.
- A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVING, CONCRETE CURBS AND SIDEWALKS, ETC., SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE FIELD ENGINEER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH NEW MEXICO UTILITIES, INC., A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO IMPLEMENTING THE PROPOSED WATER VALVE SHUT-OFF.
- CONTRACTOR SHALL COORDINATE WITH NEW MEXICO UTILITIES, INC., THREE (3) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING EXISTING PUBLIC WATER UTILITIES.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE PROJECT ENGINEER, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT.
- THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATOR A DETAILED CONSTRUCTION SCHEDULE AND SUBMIT A CONSTRUCTION SIGNING AND BARRICADING PLAN TO CONSTRUCTION COORDINATION A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION TO RECEIVE A BARRICADING PERMIT. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATOR. CONTRACTOR SHALL NOTIFY BARRICADING ENGINEER (768-2661) PRIOR TO OCCUPANCY AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS.
- THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF EASTERLING & ASSOCIATES, INC., AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF EASTERLING & ASSOCIATES, INC. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OR 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.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION AND PAVING SHALL BE ACCORDING TO C.O.A. STD. EWG. 2465.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE FIELD ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEPRESSIONED FOR A HANDICAP RAMP, THE RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

CONSTRUCTION NOTES

- ALL GEOMETRIC DATA IS TO FACE OR CURB OR CENTERLINE OF STRIPE.
- CONSTRUCT SANITARY AND STORM SEWER MAN HOLES PER COA DWG. 2101 AND 2102.
- CONSTRUCT SANITARY SEWER SERVICE LINE PER COA DWG. 2125.
- CONSTRUCT TYPE "A" STORM DRAIN INLET PER COA DWG. 2201.
- CONSTRUCT STATIONARY POSTS PER COA DWG. 2250.
- CONSTRUCT CHAIN LINK FENCING AND GATES PER COA DWG. 2252.
- INSTALL CONCRETE BLOCKING AT ALL FITTINGS, VALVES AND FIRE HYDRANTS PER COA DWG. 2330.
- ANCHOR VALVES PER COA DWG. 2333.
- INSTALL FIRE HYDRANTS PER COA DWG. 2340.
- INSTALL AIR/VACUUM RELEASE VALVE PER NMU DWG. EXHIBIT D.
- INSTALL WATER SERVICE LINES PER NMU DWG. EXHIBITS A, B AND C.
- CONSTRUCT STD. CURB AND GUTTER, MEDIAN CURB AND GUTTER AND TYPE II PINNED CURB PER COA DWG. 2415.
- CONSTRUCT ROLL MEDIAN CURB AND GUTTER PER DETAIL ON SHEET 8 OF 28.
- CONSTRUCT VALLEY GUTTERS PER COA DWG. 2420 AND 2422.
- WHEELCHAIR RAMPS WERE CONSTRUCTED IN ACCORDANCE WITH B.C. STD. DWG. 2441.
- MANHOLE AND VALVE BOX GRADE ADJUSTMENTS WERE COMPLETED IN ACCORDANCE WITH B.C. STD. DWG. 2460.

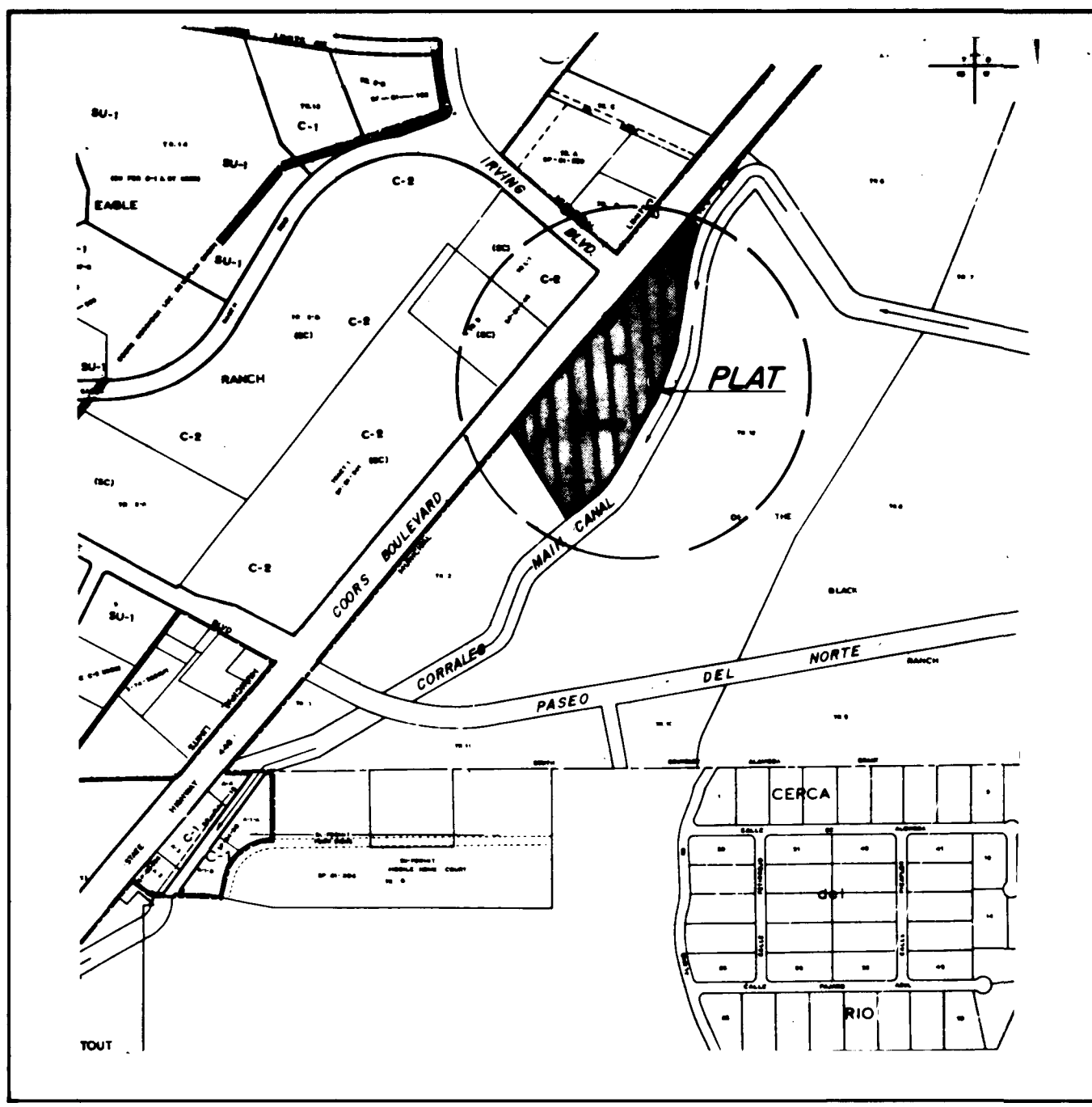


26 4266.900191

SCANNED BY
HYLASON

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
APPROVAL OF REVISIONS							

	EASTERLING & ASSOCIATES, INC. CONSULTING ENGINEERS 10131 Coors Rd., NW, Suite H-718 ALBUQUERQUE, NEW MEXICO 87114 (505) 898-8021 FAX (505) 898-8501		APPROVED FOR CONSTRUCTION <i>Ronald P. Bohannon</i> 8/12/91 BERNALILLO COUNTY P.W.D. DATE <i>Ronald P. Bohannon</i> 8/12/91 CITY ENGINEER DATE		
	PROJECT NUMBER - B.C.P.W.D.		SCS-90-6 DRB 90-121 CZ 90-10		
	PROJECT NUMBER - C.O.A.		4266.90		
		SHEET 1 OF 28		NEW MEXICO UTILITIES INC. DATE	



VICINITY MAP
N. T. S.

GENERAL NOTES

1. Bearings are grid based upon the New Mexico State Plane Coordinate System, Central Zone and rotated to grid at the New Mexico State Highway Commission Monument "NM-448-N10".
2. Distances are ground.
3. Distances shown along curved lines are arc lengths.
4. Bearings and distances shown in parenthesis () are record as shown on said plat of survey of Black Ranch by Bohannon-Huston dated July, 1976.
5. All corners are a 5/8" rebar and survcap stamped "HUGG L.S. 5823" unless otherwise indicated.
6. Zone Atlas page C 13.
7. Miles of full width streets created = 0.2946
8. U.C.L.S. Log Number 90073002530116

DECLARATION

The purpose of this replat is to divide previously unplatted Tract 3, Black Ranch into ten tracts (Tracts 3A thru 3J), dedicate the streets shown hereon to Bernalillo County and to grant the easements shown hereon.

NOTE:

Development of the property shown on this plat must meet the requirements of the drainage plan prepared for the subdivision entitled "Black Ranch Tract 3 Grading, Drainage, and Terrain Management Plan", prepared by Easterling & Associates, Inc., as approved by AMAPCA and Bernalillo County. The drainage plan requires a site-specific drainage plan to be prepared for the development of each tract.

TREASURERS CERTIFICATION

I, Patrick Padilla, County Treasurer of Bernalillo County, New Mexico hereby certify that the taxes are current and paid in full on the property(s) shown hereon which is/are further identified by the Uniform Property Code (UPC) number as:

101300422372 2002
Chris Simpson 6-12-91
Bernalillo County Treasurer Date

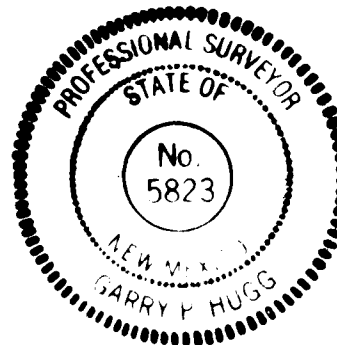
APPROVALS

LAND DIVISION NUMBER 90-121

NA
Bernalillo County Planning Director Date
Bobalo A. Romero 6/12/91
Bernalillo County Public Works Department Date
NA PUR 6-12-91
Bernalillo County Environmental Health Department Date
Joseph A. Rice 8-8-90
Gas Company of New Mexico Date
Rubin Phillips 8-27-90
Public Service Company of New Mexico Date
G.B. Henderson-Stitt 8-8-90
U. S. West Communications Date

New Mexico Utilities, Inc. Date
Note: These properties are within the New Mexico Utilities, Inc. (NMU, Inc.) franchise area. Water and Sanitary Sewer System capabilities are based on NMU, Inc. facilities, not the City of Albuquerque.

PNM DISCLAIMER
Improving this document. PNM does NOT waive or release any easement or easement rights which may have been granted by prior plat, replat or document.



TRACTS 3A THRU 3J BLACK RANCH (BEING A REPLAT OF TRACT 3, BLACK RANCH)

WITHIN
PROJECTED SECTION 18, TOWNSHIP 11 NORTH, RANGE 3 EAST
NEW MEXICO PRINCIPAL MERIDIAN
TOWN OF ALAMEDA GRANT
BERNALILLO COUNTY, NEW MEXICO
JULY, 1990

APPROVALS

Richard L. Lusk 6-04-91
Traffic Engineer, City of Albuquerque
Public Works Department Date
Robert W. Kane 6-4-91
Chief City Surveyor, City of Albuquerque
Public Works Department Date
Larry A. Allen 6/10/91
Albuquerque Metropolitan Arroyo Flood
Control Authority Date
John M. Stace 6/13/91
City Engineer, City of Albuquerque
Public Works Department Date
John M. Stace 6-4-91
Property Management, City of Albuquerque Date
John M. Stace 6/14/91
Parks and Recreation Department, City
of Albuquerque Date
APPROVAL as specified by the Albuquerque Subdivision
Ordinance.
Frank Cloud 6-14-91
Chairman, Albuquerque/Bernalillo County
Development Review Board Date
DOB 90-121 SC5-90-6

SURVEYORS CERTIFICATION

I, Garry P. Hugg, New Mexico Professional Surveyor Number 5823, hereby certify that this plat of survey was prepared from field notes of an actual ground survey performed by me or under my supervision; that it meets the Standards for Land Surveys in New Mexico as adopted by the New Mexico State Board of Registration for Professional Engineers and Professional Surveyors; that it meets the minimum requirements for surveys and monumentation of the Albuquerque Subdivision Ordinance; that it shows all easements of record; and that it is true and correct to the best of my knowledge and belief.

Garry P. Hugg
NMPS No. 5823
July 30, 1990

SHEET 1 OF 4 DOB-90-121

Hugg Surveying inc.

4100 Southern Blvd., S.E., Suite 180-C Rio Rancho, New Mexico 87124 Phone (505) 892 8800

LEGAL DESCRIPTION

That certain parcel of land situate within the Town of Alameda Grant in projected Section 18, Township 11 North, Range 3 East, New Mexico Principal Meridian, Bernalillo County, New Mexico comprising all of Tract 3 as shown on a plat of survey performed by Bohannon-Huston entitled "BLACK RANCH, BERNALILLO COUNTY, NEW MEXICO", dated July 1976 and being more particularly described as follows:

BEGINNING at the Northwest corner of said Tract 3, a point on the Southeast right of way line of Coors Road N.W. (New Mexico State Highway No. 448), (a 5/8" rebar and cap stamped "L.S. 10393" found in place) whence (1) an existing right of way marker on said Southeast right of way line of Coors Road N.W. opposite Engineers Centerline Station 424+00 bears N 40° 55' 57" E, 83.07 feet distant and (2) the New Mexico State Highway Commission Monument "NM-448-N10" bears N 40° 46' 09" E, 886.35 feet distant; Thence,

S 49° 10' 12" E, 99.90 feet along the Northerly line of said Tract 3, to a point on curve on the Westerly right of way line of the Corrales Main Canal, (a 5/8" Rebar and cap stamped "L.S. 10393" found in place) and the Northeast corner of the parcel herein described; Thence Southwesterly along said Westerly right of way line of the Corrales Main Canal for the following eight (8) courses:

Southwesterly, 8.78 feet on the arc of a curve to the left (said curve having a radius of 362.72 feet and a chord which bears S 12° 39' 12" W, 8.78 feet) to a point of tangency; Thence,

S 11° 57' 36" W, 308.27 feet to a point; Thence,

S 07° 43' 46" W, 353.25 feet to a point of curvature; Thence,

Southwesterly, 47.38 feet on the arc of a curve to the right (said curve having a radius of 109.99 feet and a chord which bears S 20° 04' 10" W, 47.01 feet) to a point of tangency; Thence,

S 32° 24' 35" W, 241.54 feet to a point; Thence,

S 27° 29' 58" W, 276.23 feet to a point of curvature; Thence,

Southwesterly, 42.44 feet on the arc of a curve to the right (said curve having a radius of 98.46 feet and a

S 52° 11' 47" W, 255.55 feet to the Southeast corner of said Tract 3 and the Southeast corner of the parcel herein described (a 5/8" Rebar and cap stamped "L.S. 10393" found in place); Thence,

N 33° 42' 14" W, 533.48 feet along the Southerly line of said Tract 3 to a point on said Southeast right of way line of Coors Road N.W. and the Southwest corner of the parcel herein described; Thence Northeasterly along said Southeast right of way line for the following two (2) courses:

N 40° 55' 57" E, 360.21 feet to an existing right of way marker opposite Engineers Centerline Station 414+00; Thence,

N 40° 55' 57" E, 915.48 feet to the Northwest corner and point of beginning of the parcel herein described.

Said parcel contains 12.6944 Acres, more or less.

SURVEYED and PLATTED and now comprising "TRACTS 3A THRU 3J, BLACK RANCH, (BEING A REPLAT OF TRACT 3, BLACK RANCH), WITHIN PROJECTED SECTION 18, TOWNSHIP 11 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, TOWN OF ALAMEDA GRANT, BERNALILLO COUNTY, NEW MEXICO", with the free consent of and in accordance with the wishes and desires of the undersigned owner(s) and proprietor(s) thereof. Said owner(s) and proprietor(s) do hereby dedicate to Bernalillo County in fee simple the streets shown hereon and do hereby grant to the use of the public forever all easements shown hereon. Said owner(s) and proprietor(s) do hereby consent to all of the foregoing and do hereby represent that they are so authorized to act.

SEVEN-BAR LAND AND CATTLE COMPANY, a Limited Partnership

John F. Black A. Rolfe Black
General Partner General Partner

PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS shown on this plat are ten (10) feet wide and are granted for the common and joint use of utilities, including but not limited to the following:

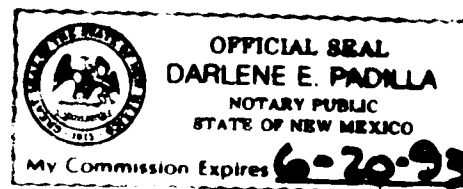
- A. The Public Service Company of New Mexico for installation, maintenance, and service of underground electrical lines, transformers, and other equipment and related facilities reasonably necessary to provide electrical service.
- B. U. S. West Communications for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to ground pedestals and closures.
- C. Jones Intercable for the installation, maintenance and service of such lines, cable and other related equipment and facilities reasonably necessary to provide Cable TV service.
- D. Gas Company of New Mexico for the installation, maintenance, and service of natural gas lines, valves and other related equipment and facilities reasonably necessary to provide natural gas service.

Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate, and maintain facilities for the purposes described above, together with free access to, from, and over said easements, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (aboveground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electrical Safety Code by construction of pools, decking, or any structures adjacent to, within or near easements shown on this plat.

STATE OF NEW MEXICO SS
COUNTY OF SANDOVAL

On this 15th day of May, 1991, before me the undersigned, a Notary Public, personally appeared John F. Black and A. Rolfe Black known to me to be General Partners of Seven-Bar Land and Cattle Company, a Limited Partnership, who acknowledged to me that they signed and sealed the accompanying instrument as their free and voluntary act and deed.

Notary Public



APPROVALS

BERNALILLO COUNTY PLANNING COMMISSION

Chairman Date
6/13/91

BOARD OF BERNALILLO COUNTY COMMISSIONERS

Chairman
Patrick J. Boca



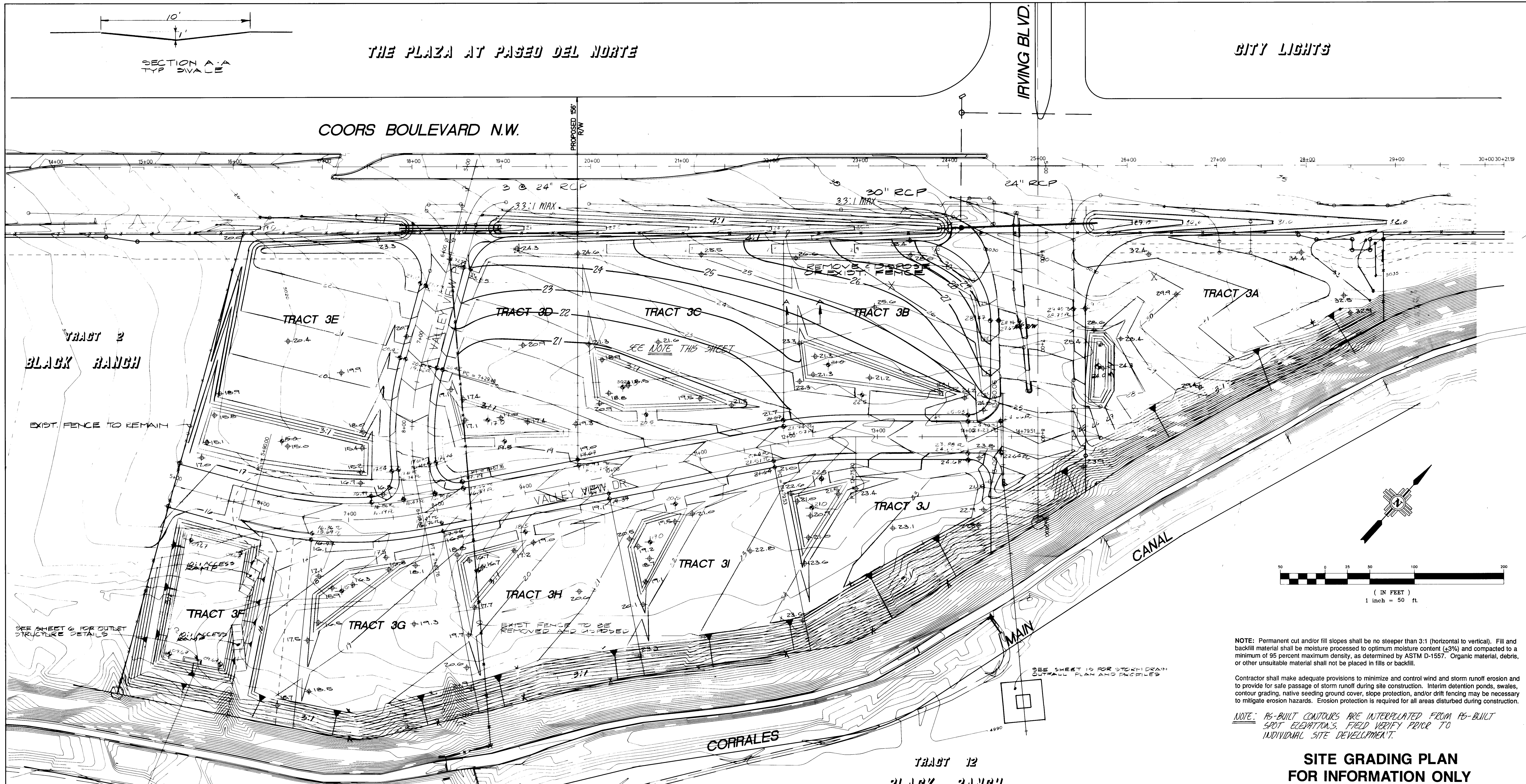
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WITHIN
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NEW MEXICO PRINCIPAL MERIDIAN
TOWN OF ALAMEDA GRANT
BERNALILLO COUNTY, NEW MEXICO
JULY, 1990

SHEET 2 OF 4 DOB-90-121

Hugg Surveying inc.

4100 Southern Blvd., S.E., Suite 180-C Rio Rancho, New Mexico 87124 Phone (505) 892 8800



NOTE: Permanent cut and/or fill slopes shall be no steeper than 3:1 (horizontal to vertical). Fill and backfill material shall be moisture processed to optimum moisture content ($\pm 3\%$) and compacted to a minimum of 95 percent maximum density, as determined by ASTM D-1557. Organic material, debris, or other unsuitable material shall not be placed in fills or backfill.

Contractor shall make adequate provisions to minimize and control wind and storm runoff erosion and to provide for safe passage of storm runoff during site construction. Interim detention ponds, swales, contour grading, native seeding ground cover, slope protection, and/or drift fencing may be necessary to mitigate erosion hazards. Erosion protection is required for all areas disturbed during construction.

NOTE: AS-BUILT CONTOURS ARE INTERPOLATED FROM AS-BUILT SPOT ELEVATIONS. FIELD VERIFY PRIOR TO INDIVIDUAL SITE DEVELOPMENT.

SITE GRADING PLAN FOR INFORMATION ONLY

GENERAL NOTES FOR GRADING AND DRAINAGE

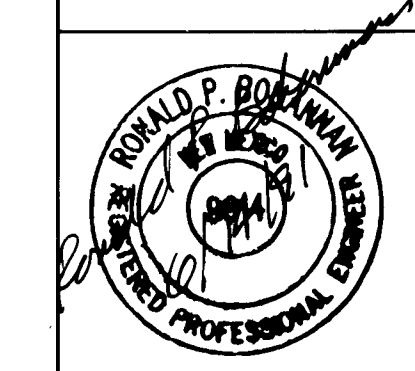
- EXCAVATION/CONSTRUCTION PERMITS WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY, COUNTY, OR STATE RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR PERMITS.
- ALL WORK TO BE PERFORMED IN STATE, CITY, COUNTY RIGHTS-OF-WAY SHOWN ON PLANS SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE SECTIONS OF NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGE CONSTRUCTION (1984 EDITION), AND/OR CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1986 EDITION), AND/OR BERNALILLO COUNTY STANDARDS ORDINANCE 88-42.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990, AND NMU, 898-2661, FOR LOCATION OF EXISTING UTILITIES.
- 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 SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACKFILL COMPACTION SHALL BE 95% COMPACTED IN ACCORDANCE WITH COUNTY REQUIREMENTS.
- DISPOSAL OF ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AS SPECIFIED IN SECTION 6.14 OF THE GENERAL CONDITIONS IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION.
- OWNERSHIP OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF EASTERLING & ASSOCIATES, INC., AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF EASTERLING & ASSOCIATES, INC.
- CONSTRUCTION SAFETY: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY.
- CONSTRUCTION PHASE: THE CONTRACTOR SHALL EXERCISE REASONABLE CARE DURING CONSTRUCTION TO PREVENT THE MOVEMENT OF SEDIMENT FROM THE SITE INTO THE STREET AND/OR DRAINAGE AND IRRIGATION CHANNELS. LOOSE SOIL STOCKPILES IN THE STREET DURING STORM DRAIN PIPE CONSTRUCTION SHALL BE PROTECTED FROM BEING CARRIED DOWNSTREAM BY FLOWING WATER IN THE STREET.
- CONTRACTOR SHALL RE-VEGETATE SITE AREAS DISTURBED BY GRADING AND DRAINAGE IMPROVEMENTS PER SEEDING SPECIFICATIONS PROVIDED BY ENGINEER.

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGO SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS, I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.

RONALD P. BOHANNAN
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
9814
Date: 11/12/91

26 4266.900491

SCANNED BY
BY LASON



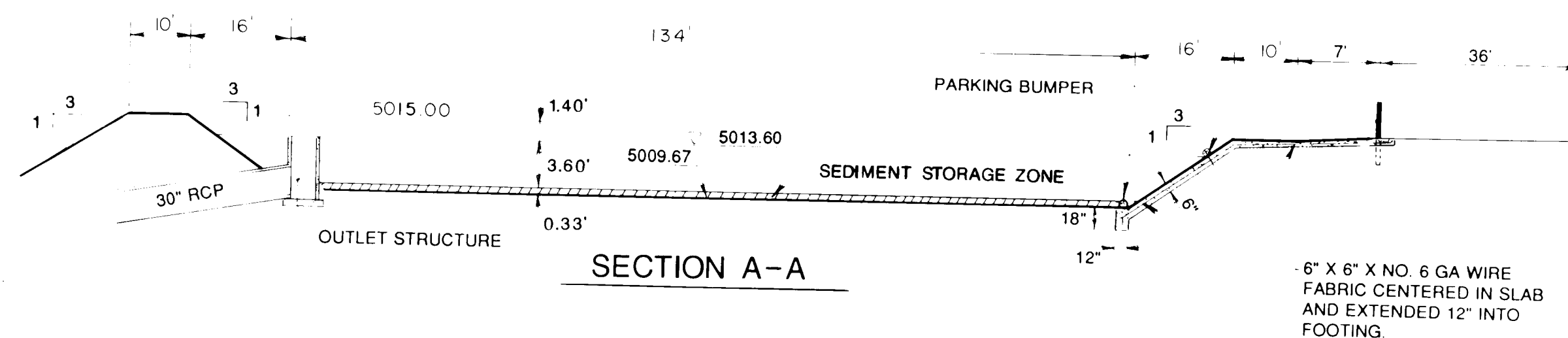
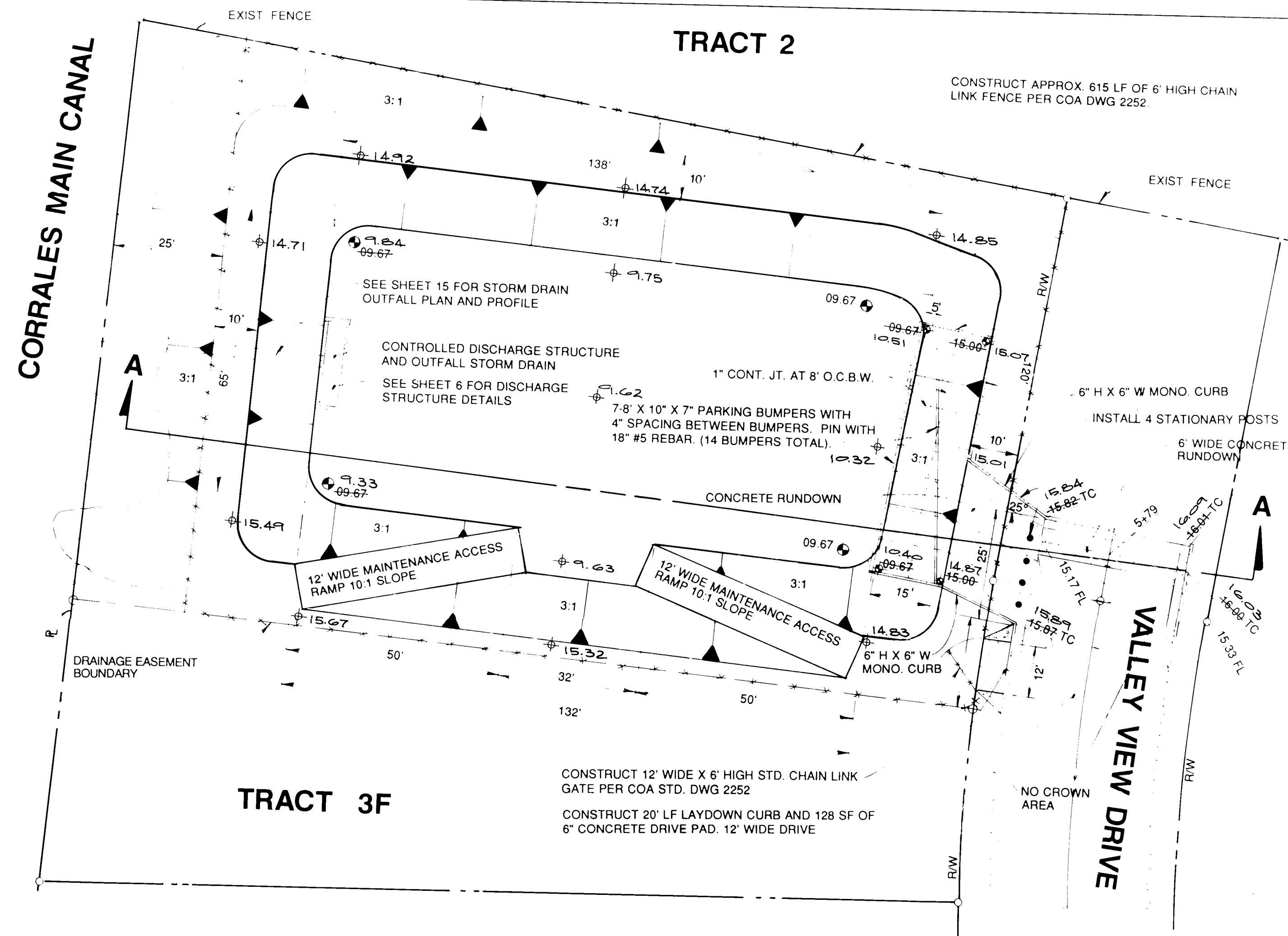
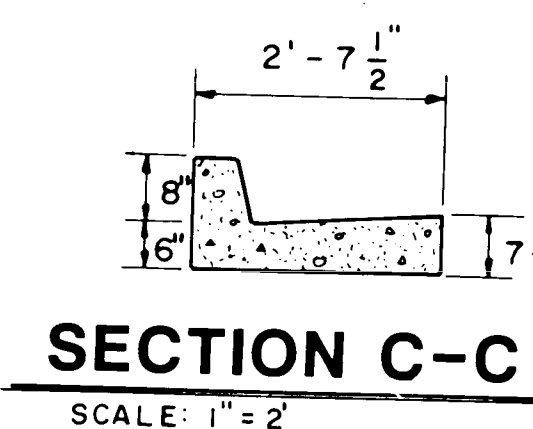
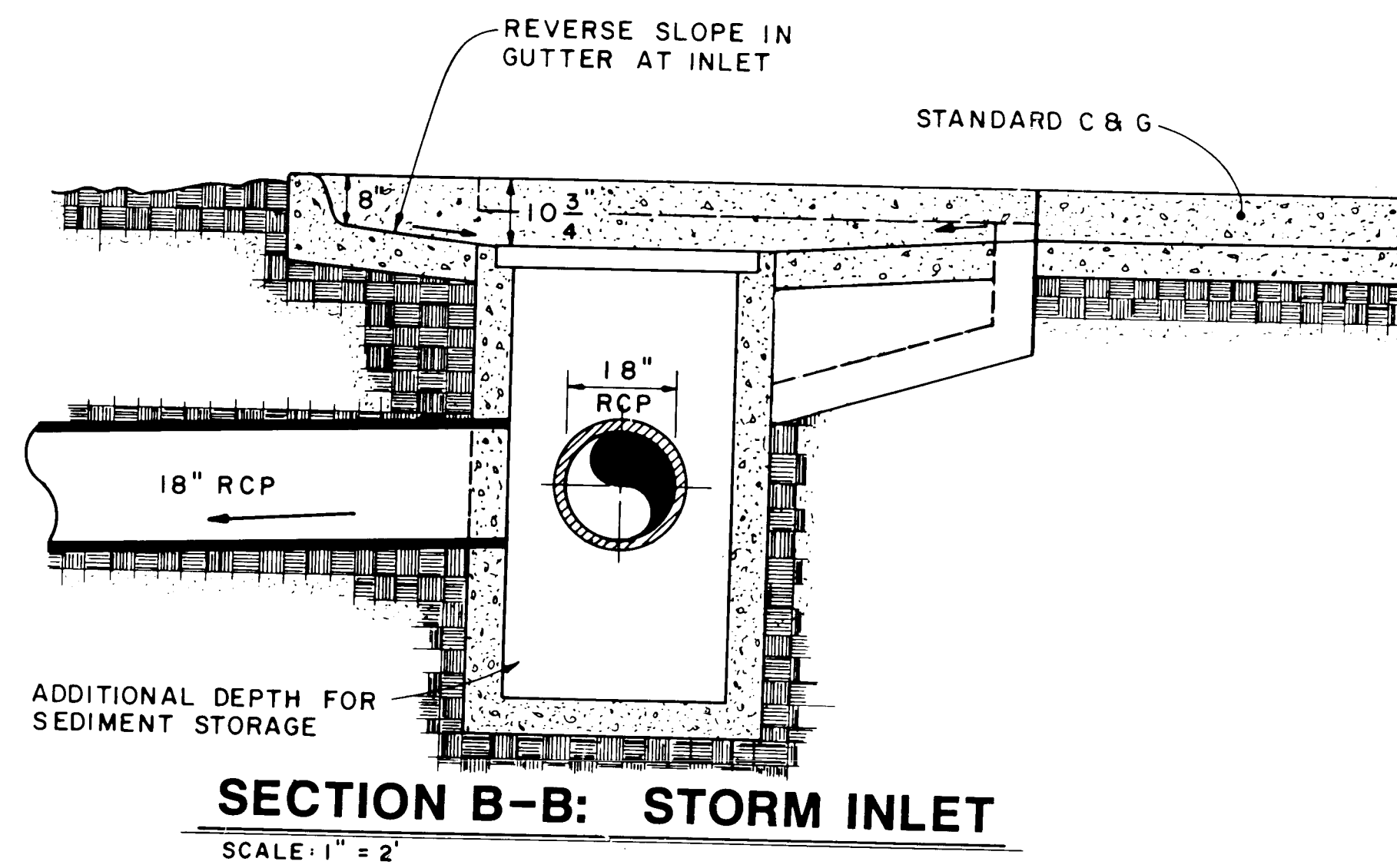
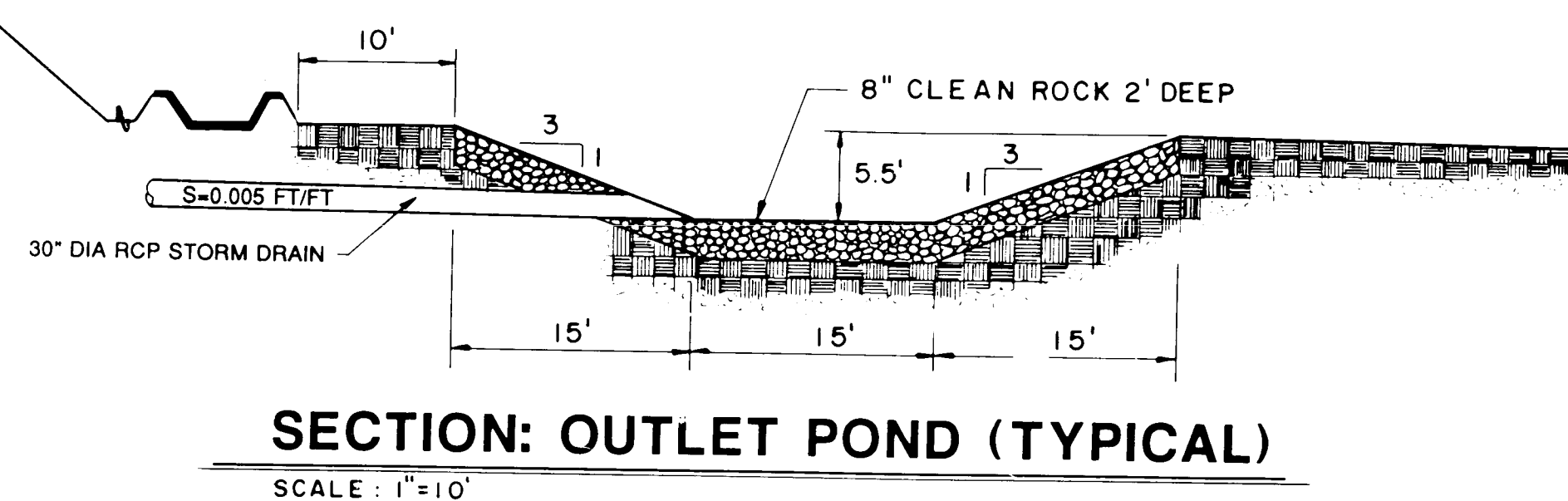
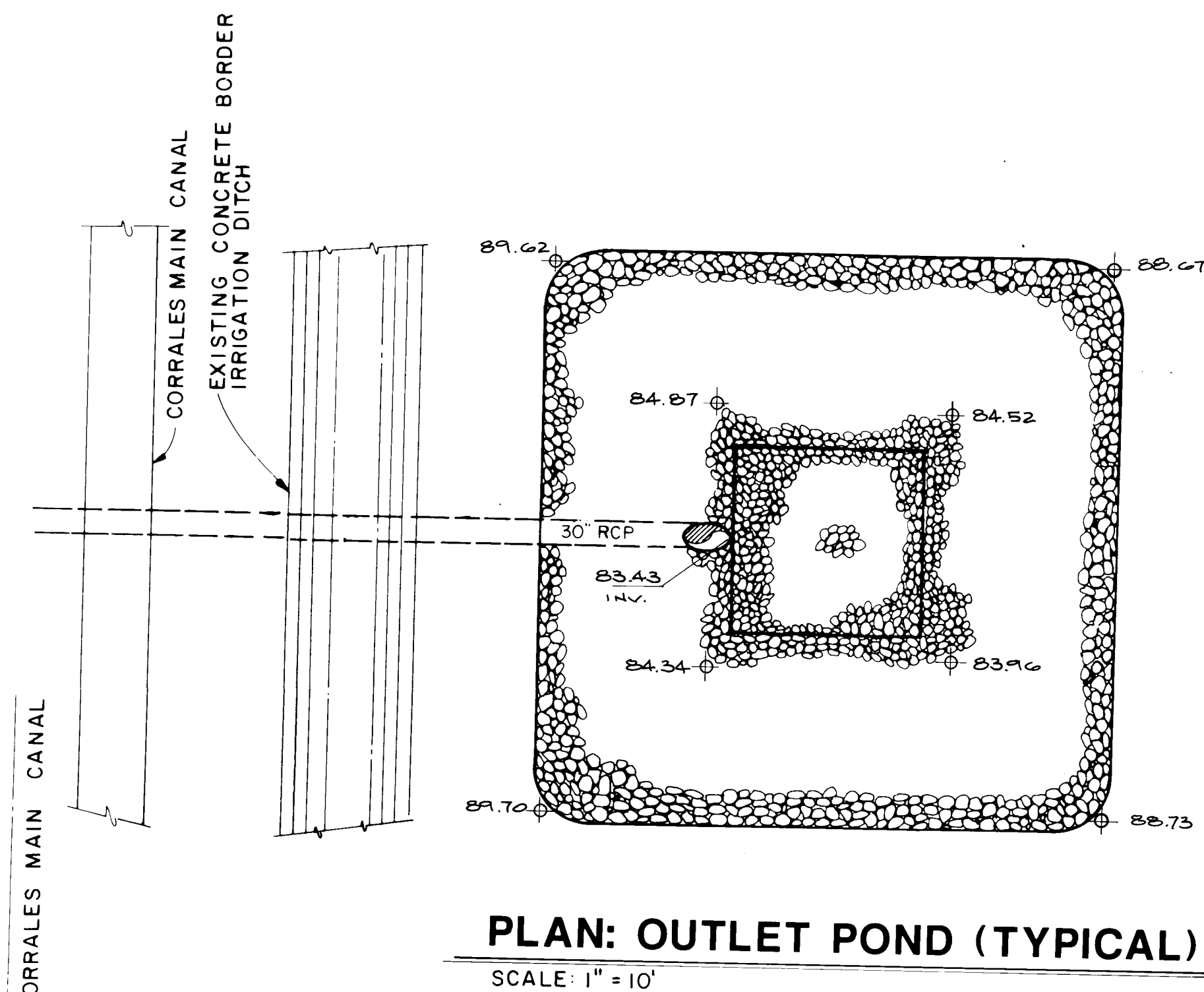
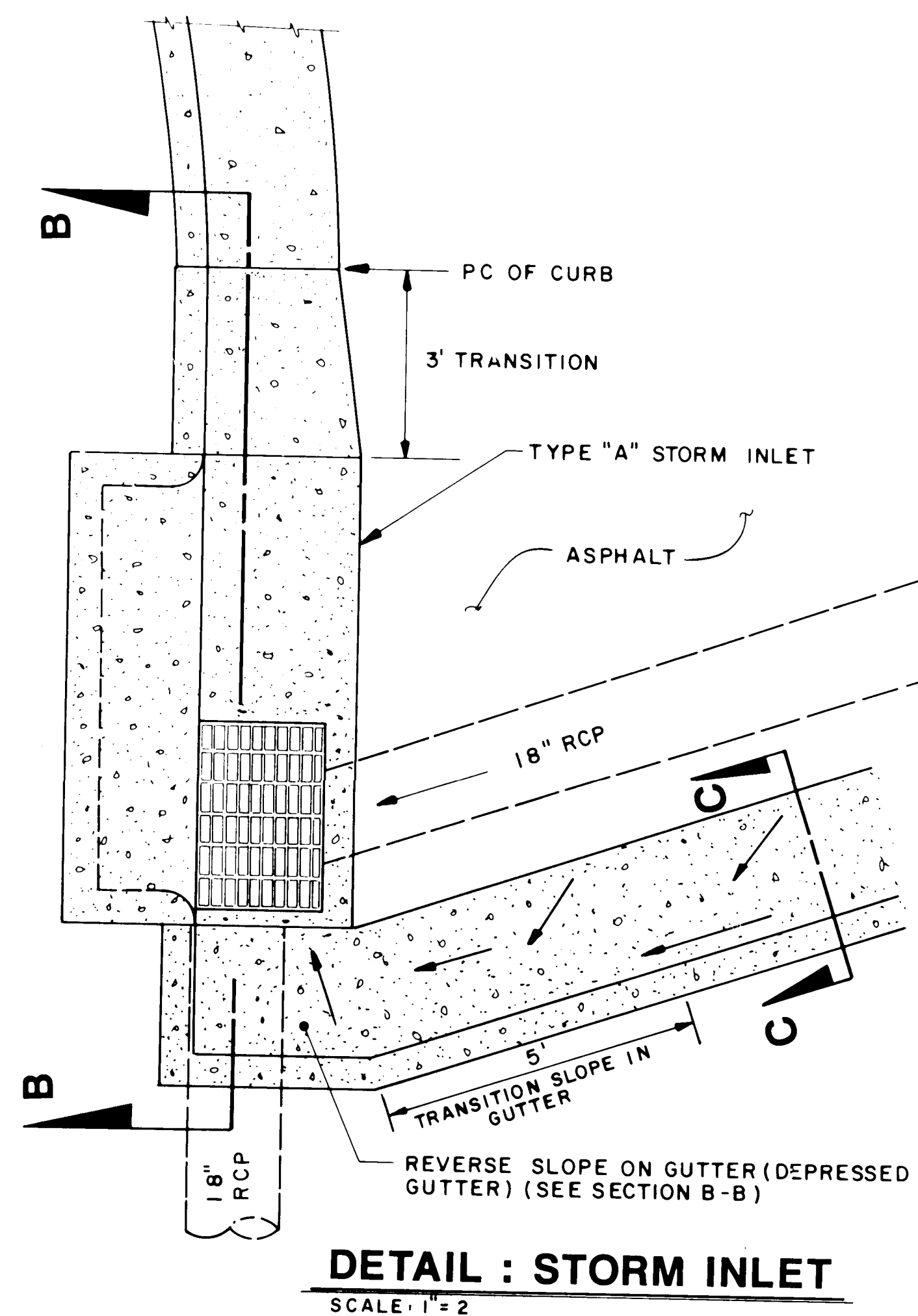
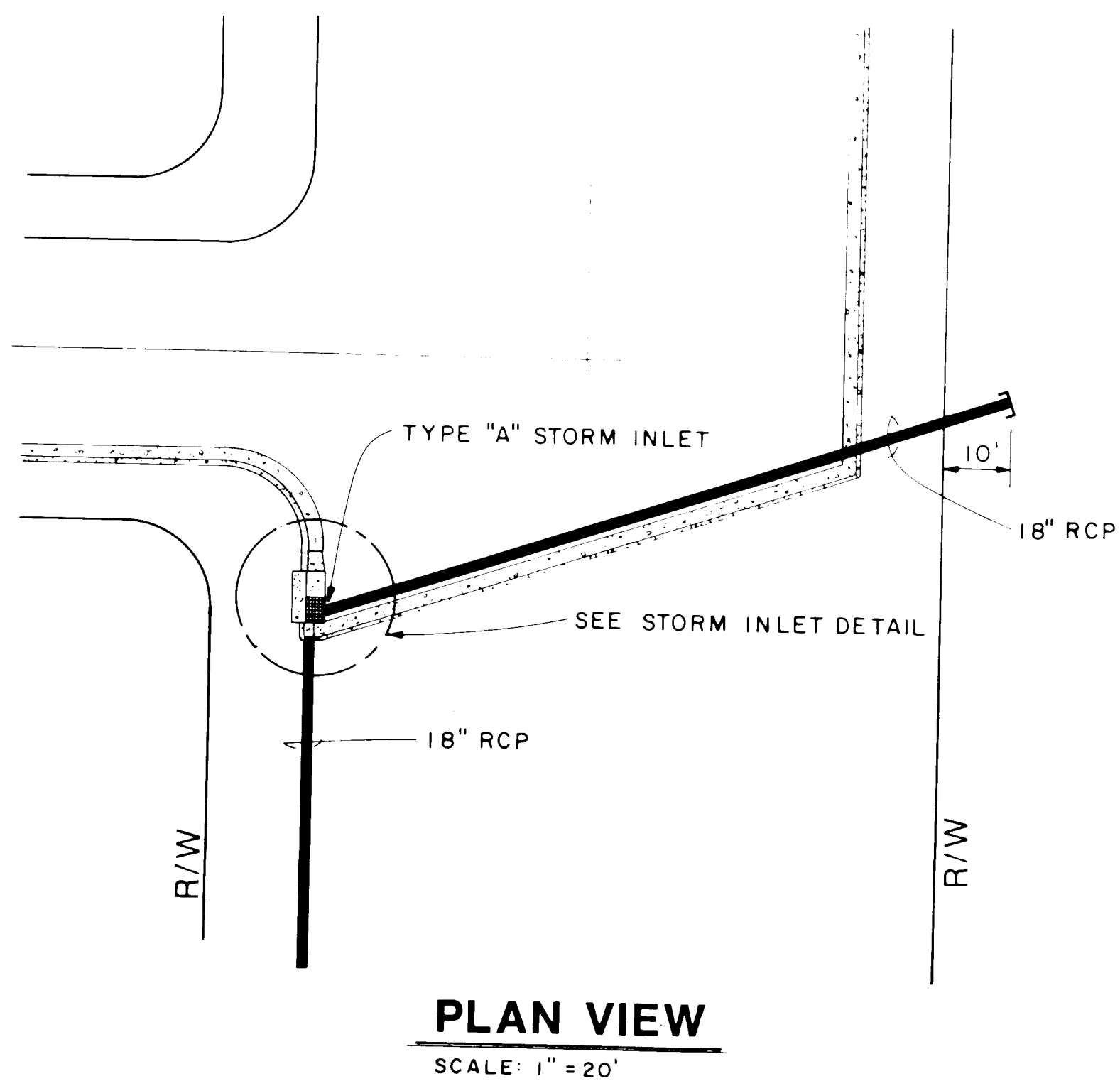
BLACK RANCH TRACTS 3A THRU 3J

GRADING / DRAINAGE PLAN

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-718
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

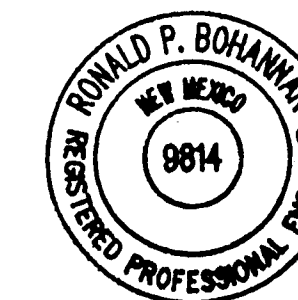
Designed By: **DLB/HPB**
Drawn By: **DLB/DEC**
Checked By: **HPB**
Date: **6-91**

**SHEET 4
OF 28**



RECORD DRAWINGS

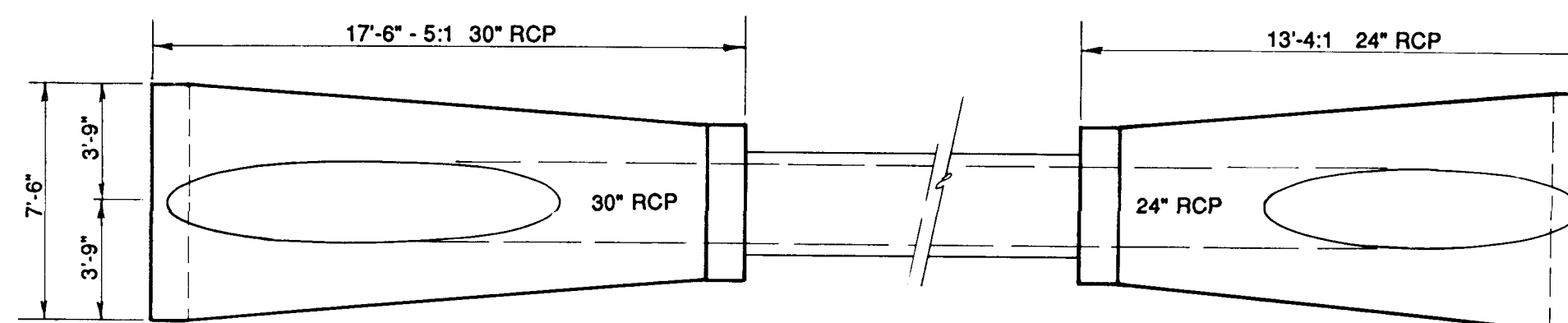
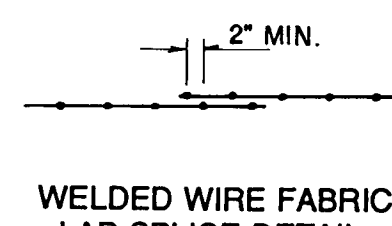
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS, I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.



Ronald P. Bohannon
Ronald P. Bohannon, P.E.
NMPE No. 9814
Date: 11/12/19

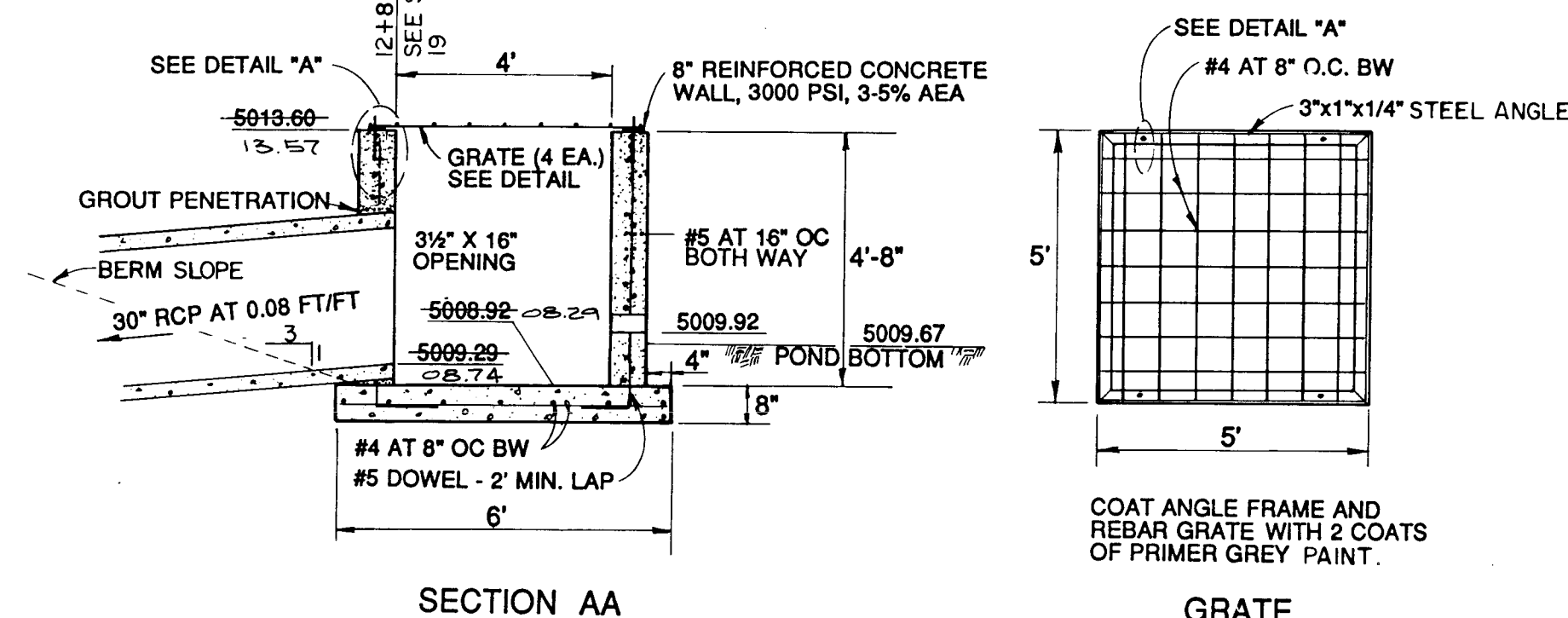
NO.	REVISIONS	BY	DATE
BLACK RANCH TRACTS 3A THRU 3K GRADING / DRAINAGE PLAN DETAILS			
Easterling & Associates, Inc. CONSULTING ENGINEERS 5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114			
Designed By RPB, DLS	Drawn By BRG	Checked by RPB	Job No. 26 4266.900591
Date: AUG. 1991	SHEET 5 OF 28		

SCANNED BY
LASON

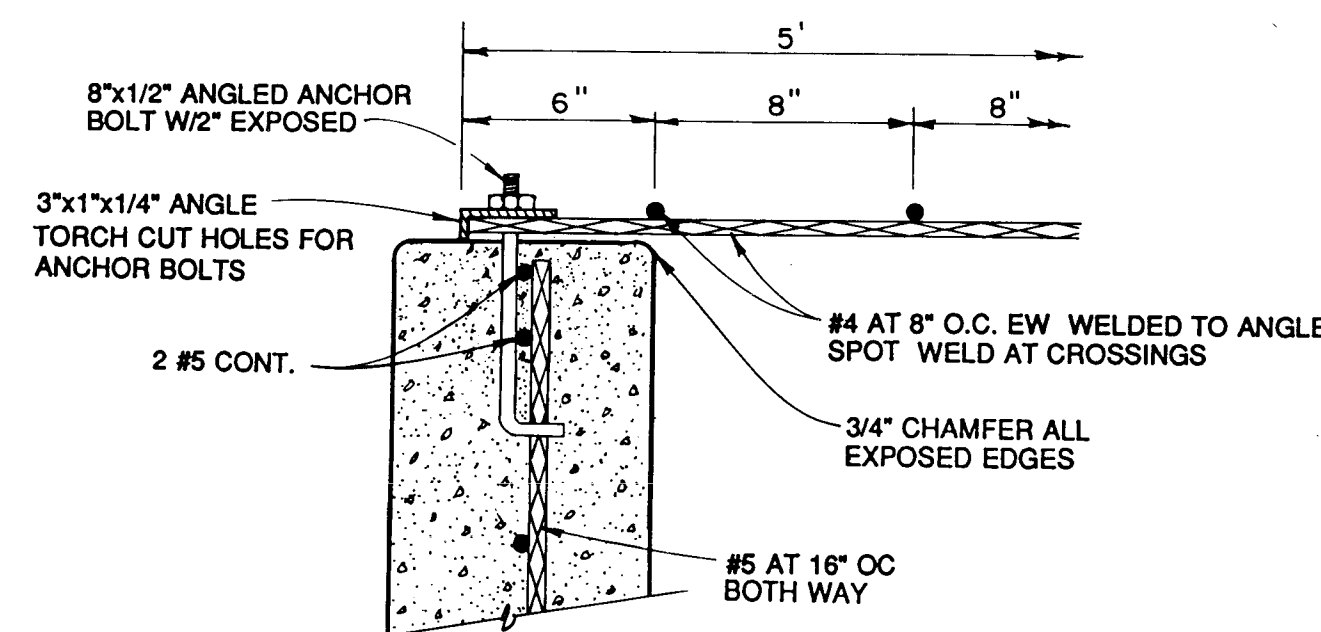


CULVERT END SECTIONS AT IRVING BLVD.

NO SCALE

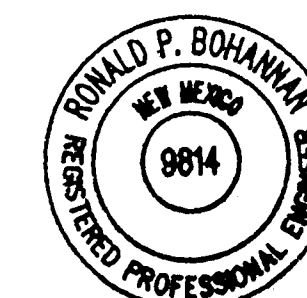


NO SCALE



DETAIL "A"

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS, I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.



Ronald P. Bohannon, P.E.
NMPE No. 9814
Date: 11/18/91

26 4266.900691

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-718
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS

DRAINAGE DETAILS

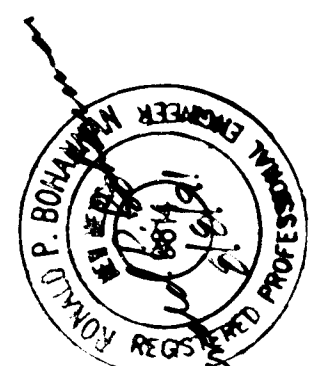
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	<i>Da...</i>	<i>5.10.11</i>	WATER	<i>N/A</i>	<i>10.10.11</i>
TRANS. DEV	<i>Li...</i>	<i>6.10.11</i>	WASTE WATER		
HYDROLOGY	<i>NA</i>				
PROJECT NO.		SCS-90-6	MAP NO		SHEET
		DRB 90-121	C-13		OF
C.O.A. 4266.90	B.C.P.W.D. CZ 90-10				6 28

AS BUILT INFORMATION	
CONTRACTOR	JAYNES CORP.
WORK DISTORTED BY	HUGG SURVEY DATE 1/09/91
INSPECTOR'S ACCEPTANCE BY	RAY BACA/COA DATE 1/1/91
VERIFICATION	HUGG SURVEY DATE 1/1/91
DRAWINGS CORRECTED BY	HUGG SURVEY DATE 1/1/91
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

ENGINEERS SEAL



NO.	DATE	REMARKS	BY
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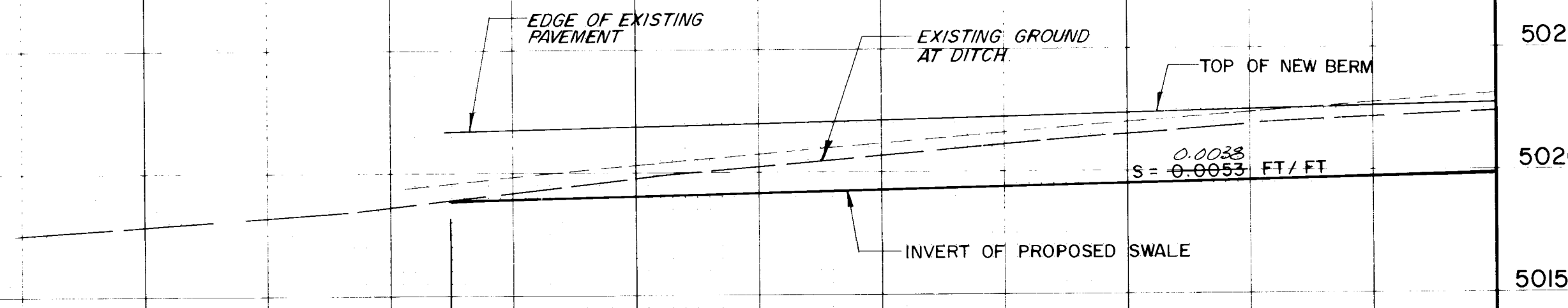
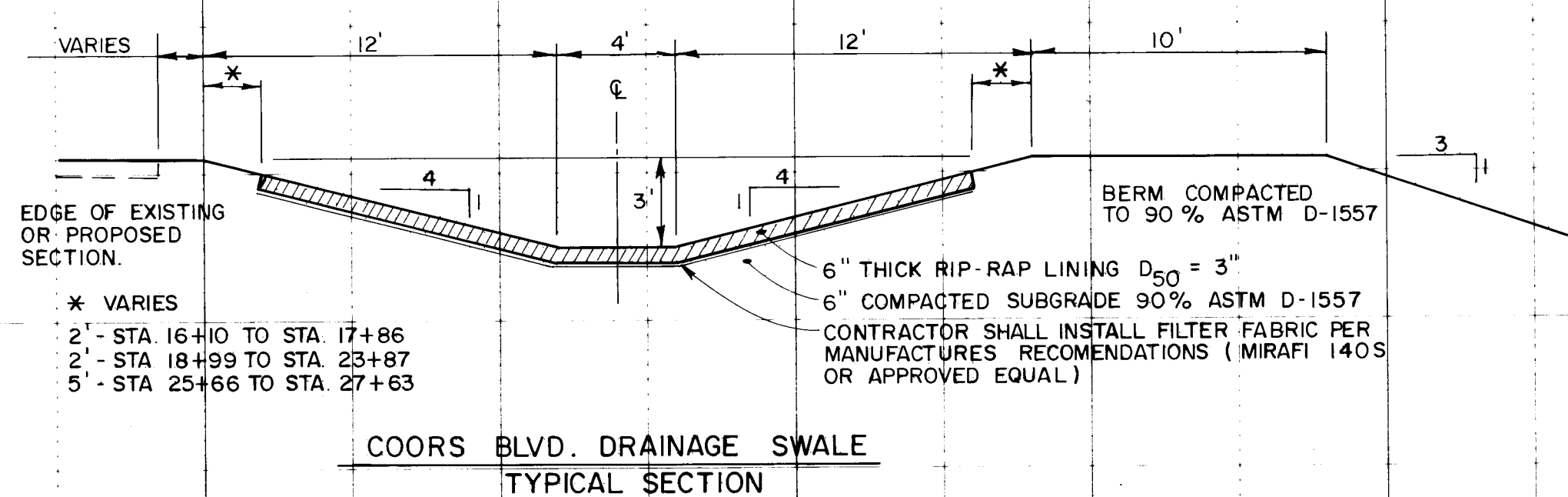
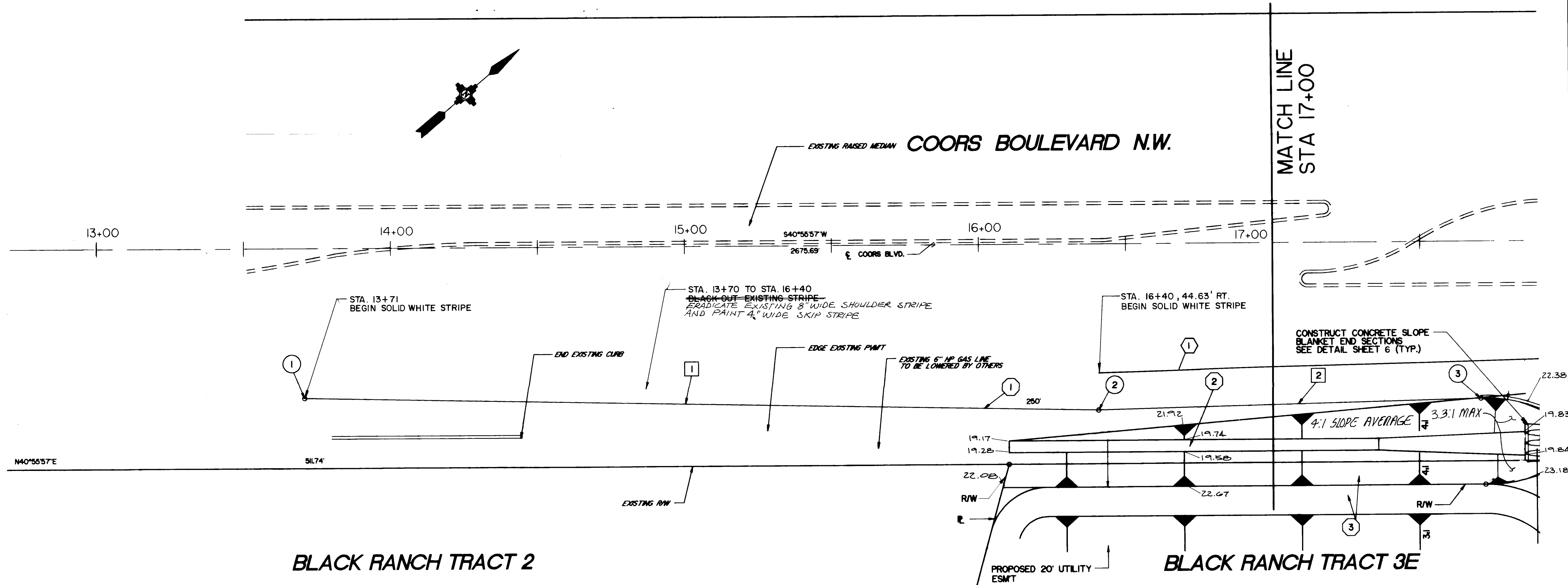
REMARKS

DESIGNED BY RPB / DEC DATE 6-91

DESIGNED BY RPB / DEC DATE 6-91

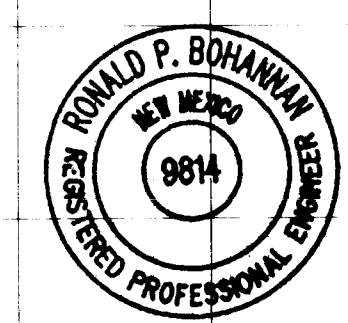
DESIGNED BY RPB / DEC DATE 6-91

DESIGNED BY RPB / DEC DATE 6-91



NOTE : ALL PAVEMENT MARKINGS SHALL BE COLD PLASTIC REFLECTORIZED LANE MARKINGS IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS SECTION 440. APPLIES TO COORS RD. AND IRVING BLVD.

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS. I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.



Ronald P. Bohannon
Ronald P. Bohannon, P.E.
NMPE No. 9814
Date: 11/12/91

COORS RD. POINT & GEOMETRY DATA			
NO.	STA.	OFFSET	ELEV.
①	13+70.70	51.02' RT	14.57 TA
②	16+40.70	56.63' RT	20.21 TA
③	17+70.67	53.55' RT	23.51 TC

TANGENTS		
NO.	BEARING	DISTANCE
①	N42°07'21"E	270.06'
②	N39°34'33"E	130.00'

- COORS RD. STREET IMPROVEMENTS
- ① INSTALL 4" SOLID WHITE STRIPING
 - ② CONSTRUCT DRAINAGE SWALE
 - ③ CONSTRUCT BERM

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS	
CONTRACTOR	JAYNES CORP.	NM 448-NIO	ELEV. 5045.513	DATE	BY		BY	NO.	DATE
INSPECTOR'S	HUGG SURVEY	NWSHC	BRASS TABLET LOCATED APPROX. 1270' NORTH OF IRVING BLVD. CENTERLINE & 72' EAST OF COORS RD. CENTERLINE						
DATE	11/18/91								
VERIFICATION	HUGG SURVEY								
DATE	11/18/91								
RECORDED BY									
DATE									
NO.									

26 4266.900791

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-718
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

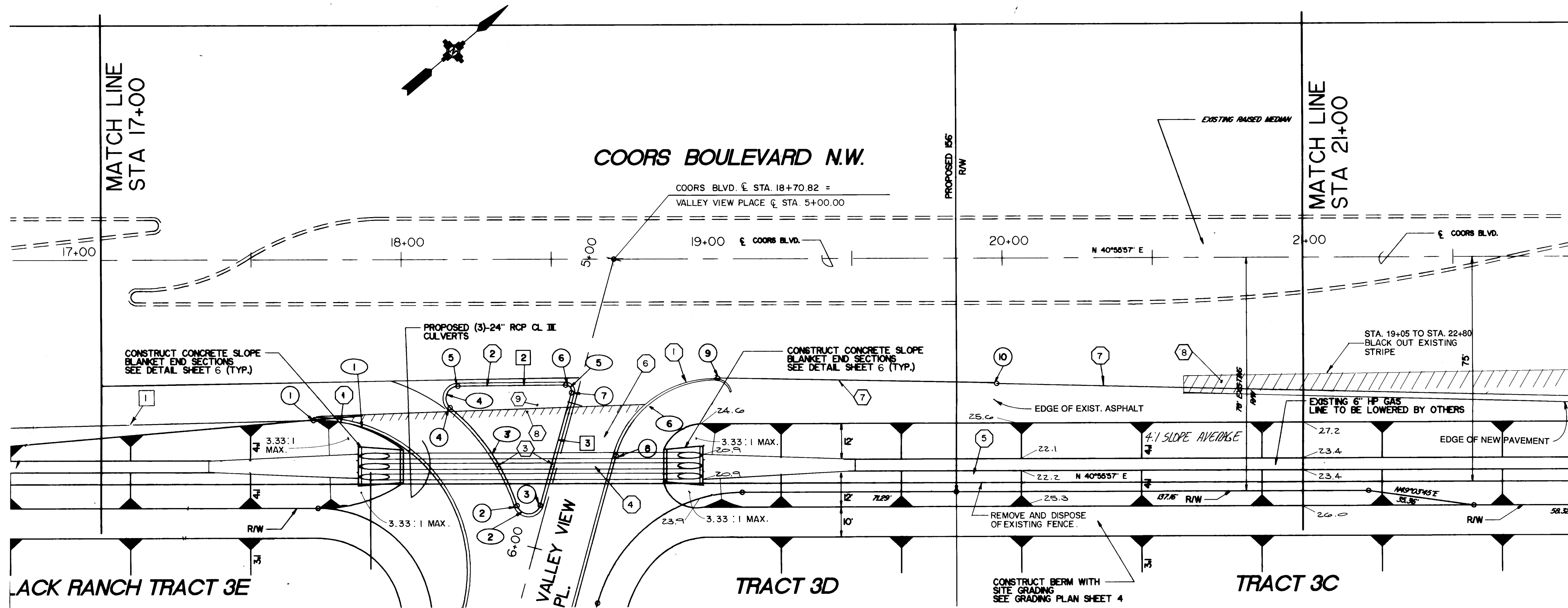
TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS
COORS ROAD N.W.
STA. 13+00 TO STA. 17+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		8-30-91
TRANS. DEV.			WASTE WATER		
HYDROLOGY					

PROJECT NO.	SCS-90-6 DRB 90-121	MAP	SHEET 7 OF 28
C.O.A. 4266.90	B.C.P.W.D. C2 90-10	NO. C-13	

1" = 20' HORZ.
1" = 5' VERT.

SCANNED BY
BY LASON



COORS RD. POINT AND GEOMETRY DATA

NO.	STA.	OFFSET	ELEV.
1	17+70.67	53.55'RT	23.51 TC
2	18+38.54	82.24'RT	23.75 TC
3	18+46.11	82.38'RT	23.77 TC
4	18+16.21	49.38'RT	24.50 TC
5	18+18.71	42.23'RT	24.60 TC
6	18+54.57	42.00'RT	25.10 TC
7	18+56.51	44.53'RT	25.12 TC
8	18+71.46	65.60'RT	24.72 TC
9	19+05.15	39.87'RT	25.61 TC
10	19+97.99	41.84'RT	27.28 TC

TANGENTS

NO.	BEARING	DISTANCE
1	N39°34'33\"E	130.00'
2	N40°28'49\"E	35.85'
3	S33°42'14\"E	39.25'
4	N42°20'36\"E	281.95'

CURVES

NO.	R	Δ	L
1	50'	106°43'13\"	93.13'
2	4'	145°53'52\"	10.19'
3	70'	32°58'21\"	40.28'
4	4'	140°13'38\"	9.79'
5	2'	105°48'57\"	3.69'
6	35'	74°32'03\"	45.53'

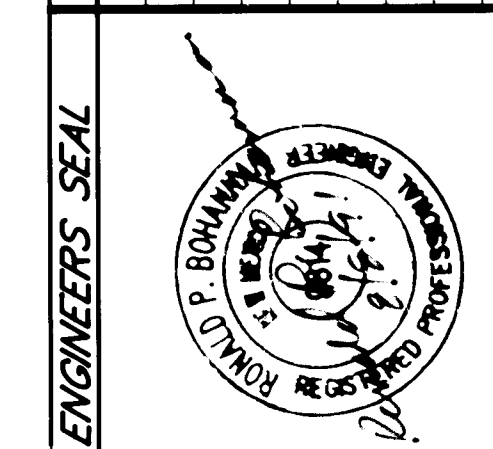
COORS RD. STREET IMPROVEMENTS

1. INSTALL PCC STD. CURB AND GUTTER
2. INSTALL ROLL PCC CURB AND GUTTER
3. INSTALL PCC STD. MEDIAN CURB AND GUTTER
4. INSTALL 24\" RCP CL III STORM DRAIN
5. CONSTRUCT DRAINAGE SWALE
6. INSTALL ARTERIAL PAVEMENT SECTION
7. INSTALL 4\" SOLID WHITE STRIPING
8. SAW CUT, REMOVE AND DISPOSE OF EXISTING ARTERIAL PAVEMENT
9. INSTALL PCC TEXTURED AND COLORED MEDIAN PAVEMENT

AS BUILT INFORMATION	NO.	DATE
CONTRACTOR	JAMES CORP.	
WORKED BY	HUGG SURVEY	DATE 10/91
INSPECTOR'S	RAY BACALAO	DATE 11/91
ACCEPTANCE	BY	DATE
VERIFICATION	DATE	11/91
DRAWINGS	DATE	11/91
RECORDS	DATE	
NO.		

BENCH MARKS	NO.	DATE
NM 448 - NIO		ELEV. 5045.513
NMSHC BRASS		TABLET LOCATED APPROX. 1270'
NORTH OF IRVING BLVD.		CENTERLINE & 72' EAST
OF COORS RD. CENTERLINE		

SURVEY INFORMATION	NO.	DATE
FIELD NOTES		
BY		
NO.		



ENGINEERS SEAL	NO.	DATE
REVISIONS		
DESIGN		
DATE		
DATE		
DATE		

26 4:266.900891

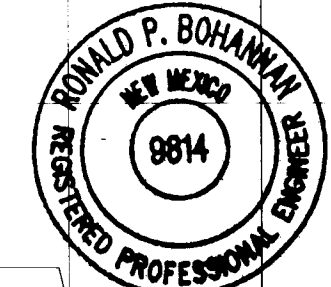
EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-718
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS
COORS ROAD N.W.
STA. 17+00 TO STA. 21+00

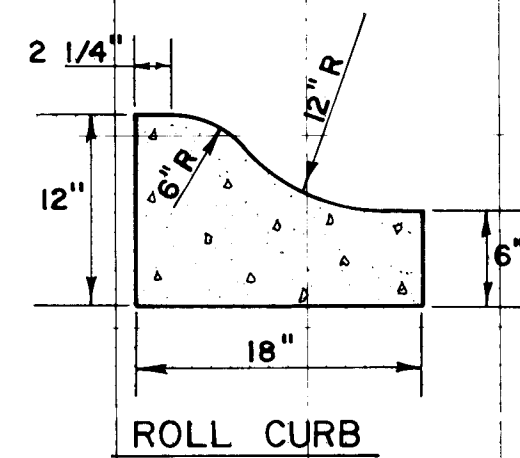
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY					

PROJECT NO. SC5-90-6 MAP NO. C-13 SHEET 8 OF 28
C.O.A. 4266.90 B.C.P.W.D. 02-90-10

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS. I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.



Ronald P. Bohannon, P.E.
NMPE No. 9814
Date: 11/91



STA. 17+36 TO STA. 17+86
TRANSITION SWALE BOTTOM
WIDTH FROM 4' TO 8' WIDE

18+70.82 CL VALLEY VIEW PL.

STA. 17+36 TO STA. 17+86
TRANSITION SWALE BOTTOM
WIDTH FROM 4' TO 8' WIDE

TOP OF NEW BERM

EDGE OF EXISTING
PAVEMENT
EXISTING GROUND
AT SWALE

S = 0.0106 FT/FT

GRADE AT NEW
DRAINAGE SWALE

SAWCUT, REMOVE AND DISPOSE
EXISTING PAVEMENT 5' WEST OF
EDGE OF EXISTING 5/8\" PLANT
MIX SEAL COAT.

3' APPROX.

PROPOSED PAVEMENT
5/8\" PLANT MIX SEAL COAT
1 1/2\" AC SURFACE COURSE
1800 LB STABILITY
3\" AC BASE COURSE
1800 LB STABILITY
8\" AGGREGATE BASE COURSE
COMPACTED TO 95% ASTM D-1557
12\" COMPACTED SUBGRADE
COMPACTED TO 95% ASTM D-1557

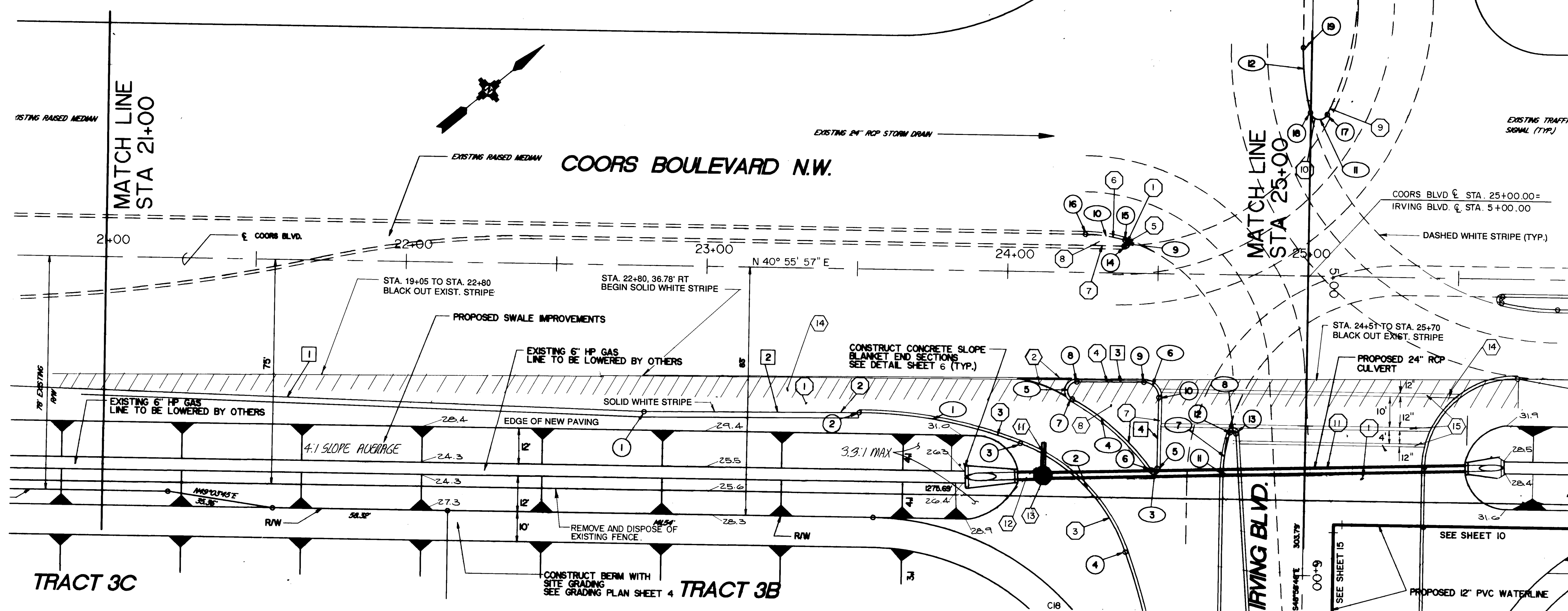
5/8\" PM SEAL COAT
1 1/2\" AC SF 1800LB
3\" AC BS 1800 LB
8\" ABC
12\" SUBG PREP

PAVEMENT SECTION
COORS RD.
DECEL. LANE

TYPICAL SECTION
VALLEY VIEW PLACE DECELERATION LANE
PAVEMENT CONNECTION
STA. 18+46.11 TO STA. 18+85

1\" = 20' HORZ.
1\" = 5' VERT.

SCANNED BY
BY LASON



COORS RD. POINT & GEOMETRY DATA

NO.	STA.	OFFSET	ELEV.
1	22+79.85	48.78' RT	29.48 TA
2	23+51.37	47.98' RT	30.98 TC
3	24+05.28	57.38' RT	31.28 TC
4	24+40.78	93.18' RT	30.11 TC
5	24+50.90	65.11' RT	31.47 TC
6	24+49.09	65.58' RT	31.47 TC
7	24+22.18	42.21' RT	31.66 TC
8	24+23.73	36.56' RT	31.77 TC
9	24+45.88	36.32' RT	31.99 TC
10	24+50.94	41.32' RT	31.98 TC
11	24+72.90	66.76' RT	31.88 TC
12	24+74.94	52.70' RT	31.99 TC
13	24+76.90	52.91' RT	32.00 TC
14	24+38.57	9.01' RT	MATCH EX. CURB
15	24+38.84	10.98' LT	MATCH PT. # 14
16	24+25.64	12.76' LT	MATCH EX. CURB
17	25+05.47	53.94' LT	MATCH EX. CURB
18	24+98.85	54.48' LT	MATCH PT. # 17
19	24+97.12	76.13' LT	MATCH EX. CURB
20	25+15.15	96.71' LT	MATCH EX. CURB

TANGENTS

NO.	BEARING	DISTANCE
1	N42°20'36"E	281.95'
2	N40°17'36"E	71.52'
3	N40°17'36"E	22.16'
4	S46°58'46"E	23.78'

CURVES

NO.	R	Δ	L
1	150'	21°01'23"	55.04'
2	60'	49°40'47"	52.02'
3	1'	143°35'55"	2.51'
4	81'	25°25'18"	35.94'
5	3'	151°05'46"	7.91'
6	5'	90°43'38"	7.92'
7	50'	16°20'27"	14.26'
8	1'	159°21'38"	2.78'
9	1'	164°43'43"	2.88'
10	50'	15°18'13"	13.35'
11	3'	140°05'14"	7.33'
12	86'	14°34'54"	21.89'
13	100'	25°19'52"	44.21'

COORS RD. STREET IMPROVEMENTS

- INSTALL ARTERIAL PAVEMENT SECTION
- INSTALL 4" SOLID WHITE STRIPING
- INSTALL PCC STD. CURB AND GUTTER
- INSTALL PCC ROLL CURB AND GUTTER
- REMOVE EXIST. PCC MEDIAN CURB AND GUTTER
- REMOVE EXIST. MEDIAN PAVEMENT
- INSTALL PCC MEDIAN CURB AND GUTTER
- INSTALL PCC TEXTURED AND COLORED MEDIAN PAVEMENT
- REMOVE EXIST. EXTRUDED ASPHALT CURB
- INSTALL PCC TYPE II PINNED CURB
- INSTALL 24" CLASS IV RCP
- INSTALL 30" CLASS IV RCP
- INSTALL 6' DIA TYPE C MANHOLE
- SAWCUT, REMOVE AND DISPOSE OF EXISTING ARTERIAL PAVEMENT
- INSTALL 12" WIDE SOLID WHITE CROSSWALK STRIPING

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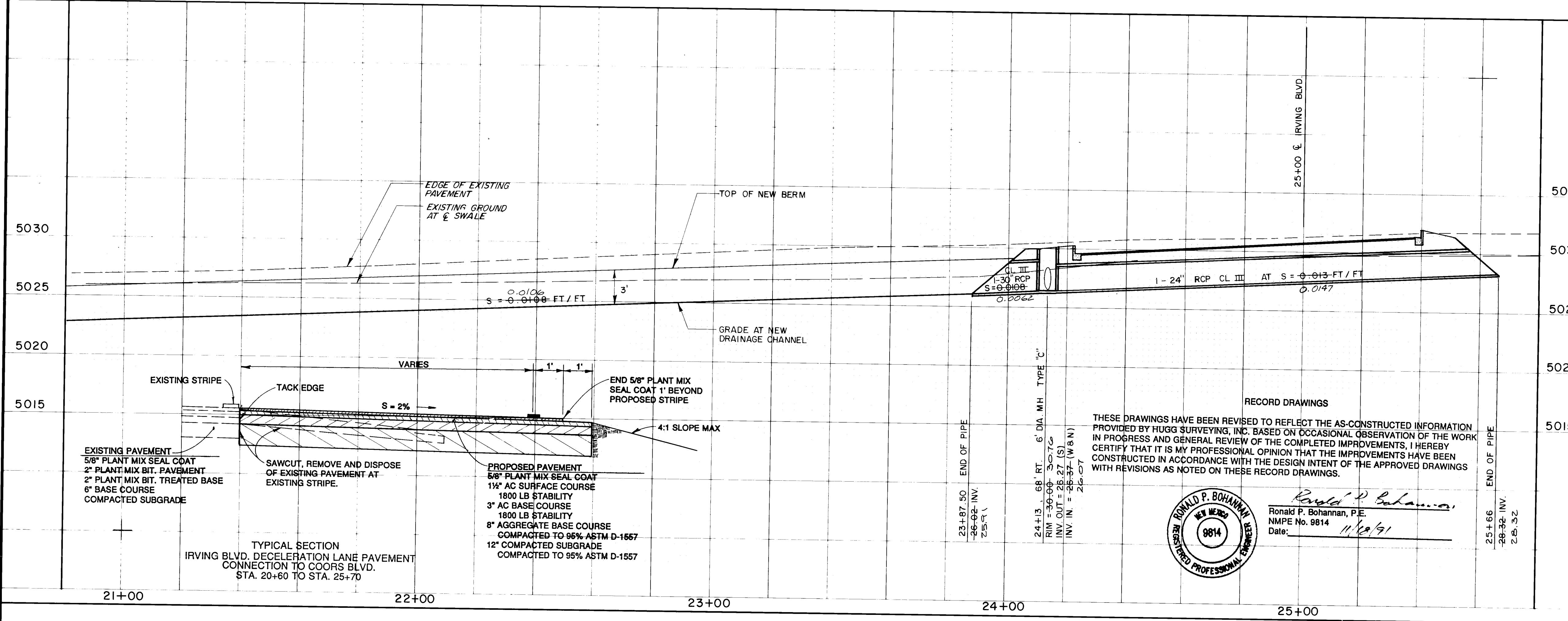
EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
1031 Coors Rd., NW, Suite H-718
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

DESIGNED BY DEC DATE 7-91
DRAWN BY DEC/BRG DATE 7-91
CHECKED BY RPB DATE 7-91

TITLE: **BLACK RANCH - TRACT 3** INFRASTRUCTURE IMPROVEMENTS **COORS ROAD N.W.** STA. 21+00 TO STA. 25+00

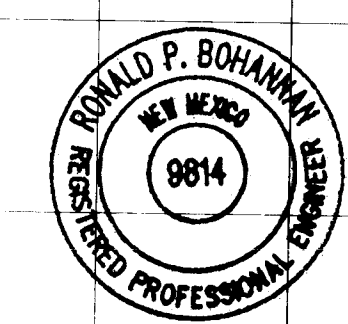
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV			WASTE WATER		
HYDROLOGY					

PROJECT NO.	SC5-90-6	MAP	SHEET
C.O.A. 4266.90	DRB 90-121	NO. C-13	9 OF 28
	DRB 90-10		



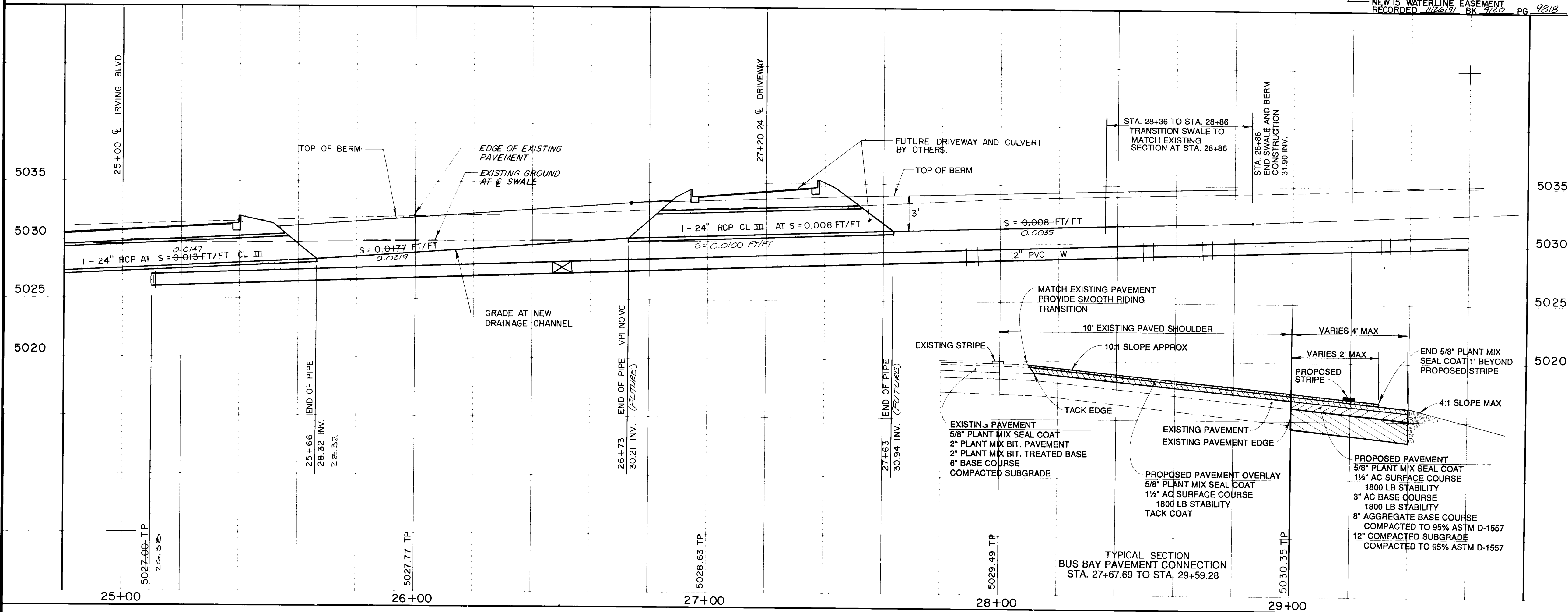
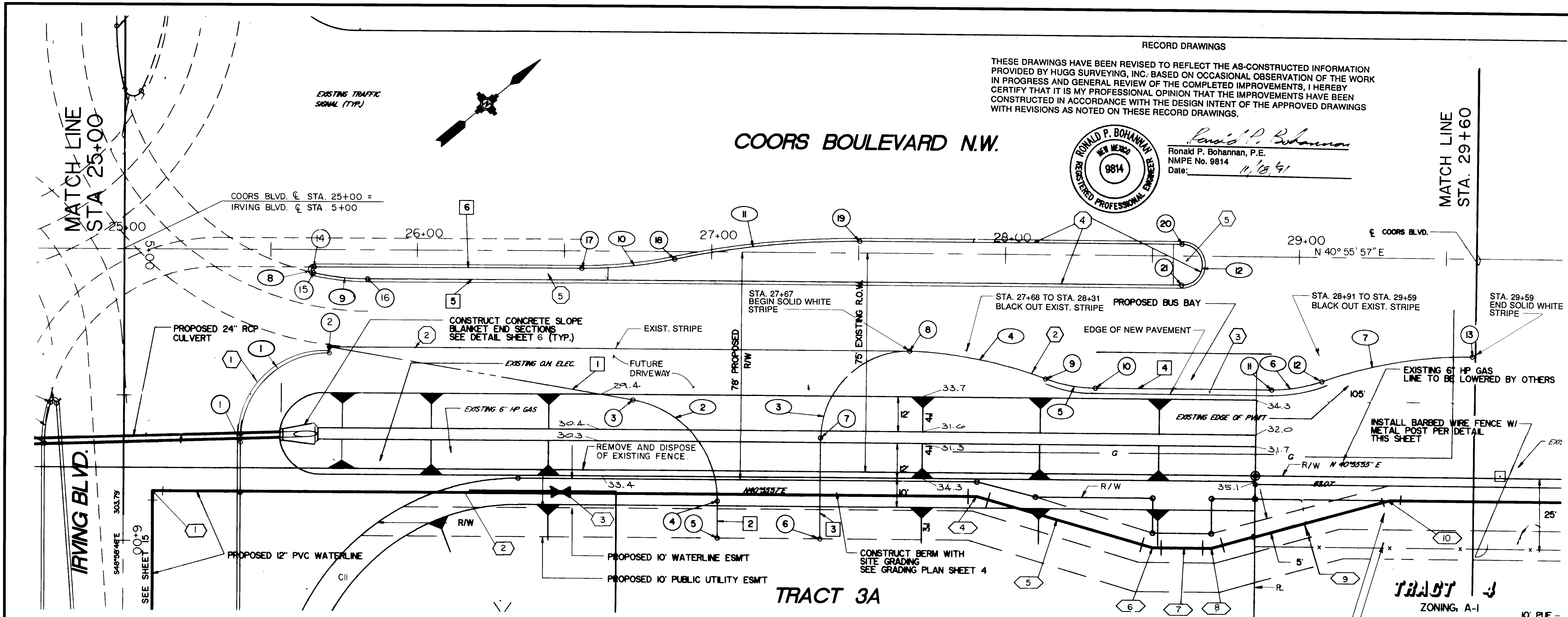
RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS. I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.



Ronald P. Bohannon, P.E.
NMPE No. 9814
Date: 11/29/91

SCANNED BY LASON
1" = 20' HORZ.
1" = 5' VERT.



COORS RD. POINT & GEOMETRY DATA

NO.	STA.	OFFSET	ELEV.
1	25+39.90	65.19'RT	32.48 TC
2	25+70.14	35.24'RT	33.24 TC
3	26+73.61	50.83'RT	FUTURE
4	27+02.74	85.34'RT	FUTURE
5	27+02.74	98.00'RT	FUTURE
6	27+37.74	98.00'RT	FUTURE
7	27+37.74	63.36'RT	FUTURE
8	27+67.69	33.36'RT	34.40 TA
9	28+14.00	42.40'RT	33.96 TA
10	28+31.06	45.41'RT	33.79 TA
11	28+91.06	45.41'RT	34.15 TA
12	29+08.12	42.45'RT	34.64 TA
13	29+59.28	33.48'RT	35.93 TA
14	25+64.79	6.00'RT	33.48 TC
15	25+64.79	7.98'RT	33.44 TC
16	25+83.12	10.00'RT	33.60 TC
17	26+55.99	6.00'RT	34.44 TC
18	26+87.43	2.67'RT	34.84 TC
19	27+50.33	4.00'LT	35.45 TC
20	28+60.03	4.00'LT	36.57 TC
21	28+60.03	10.00'RT	36.45 TC

TANGENTS

NO.	BEARING	DISTANCE	
1	N50°34'50"E	104.95'	FUTURE
2	S49°04'03"W	12.67'	FUTURE
3	N49°04'03"W	34.64'	FUTURE
4	N40°55'57"E	60.00'	
5	N40°55'57"E	276.91'	
6	N40°55'57"E	91.20'	
7	N40°55'57"E	109.70'	

CURVES

NO.	R	Δ	L
1	30'	90°22'07"	47.32'
2	35'	80°21'07"	49.08'
3	30'	89°54'03"	47.07'
4	150'	18°05'56"	47.38'
5	50'	19°56'53"	17.41'
6	50'	19°56'54"	17.41'
7	150'	19°56'33"	52.21'
8	1	187°32'47"	2.82'
9	86'	12°27'13"	18.69'
10	150'	12°06'06"	31.68'
11	300'	12°06'06"	63.36'
12	7'	180°00'00"	21.99'

COORS RD. STREET IMPROVEMENTS

1. INSTALL PCC STD. CURB AND GUTTER
2. INSTALL 4" WIDE WHITE STRIPING
3. INSTALL ARTERIAL PAVEMENT SECTION
4. INSTALL PCC TYPE II PINNED CURB
5. INSTALL PCC TEXTURED AND COLORED MEDIAN PAVEMENT

COORS RD. UTILITIES

1. STA. 25+09.87, 83'RT
1-12" 90° BEND, 5027.00 TP 26.38
2. 1-12" WL @ N 40°55'57"E
3. STA. 26+50, 83'RT
1-12" GATE VALVE W/BOX, 5028.20 TP 28.36
4. STA. 27+91.11, 83'RT
1-12" 11 1/4° BEND, 5029.42 TP 28.96
5. 1-12" WL @ N56°45'04"E
6. STA. 28+51.11, 100'RT
1-12" 11 1/4° BEND, 5029.93 TP 30.00
7. 1-12" WL @ N40°55'57"E
8. STA. 28+71.11, 100'RT
1-12" 11 1/4° BEND, 5030.44 TP 30.61
9. 1-12" WL @ N25°06'38"E
10. STA. 29+31.11, 83'RT
1-12" 11 1/4° BEND, 5030.62 TP 31.40

26 4266.901091

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-718
ALBUQUERQUE, NEW MEXICO 87114
(505) 698-8021 FAX (505) 698-8501

TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS
COORS ROAD N.W.
STA. 25+00 TO STA. 29+60

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY			NMUI		

PROJECT NO. SC5-90-8
C.O.A. 4266.90 B.C.P.W.D. C2 90-101 MAP NO. C-13

AS BUILT INFORMATION	CONTRACTOR	DATE
WORK	JAMES CORP.	
INSPECTOR'S	HUGG SURVEY	DATE 10/91
FIELD	BY BACKLOG	DATE 11/91
VERIFICATION	HUGG SURVEY	DATE 11/91
CORRECTED	HUGG SURVEY	DATE 11/91
MACRO-FILM INFORMATION		
RECORDED BY		DATE

BENCH MARKS	CONTRACTOR	DATE
NM 448 N/D ELEV. 5045.513		
NM SHC BRASS TABLET LOCATED APPROX. 1270' NORTH OF IRVING BLVD. CENTERLINE & 72' EAST OF COORS RD. CENTERLINE.		

SURVEY INFORMATION	FIELD NOTES	DATE
NO.	BY	

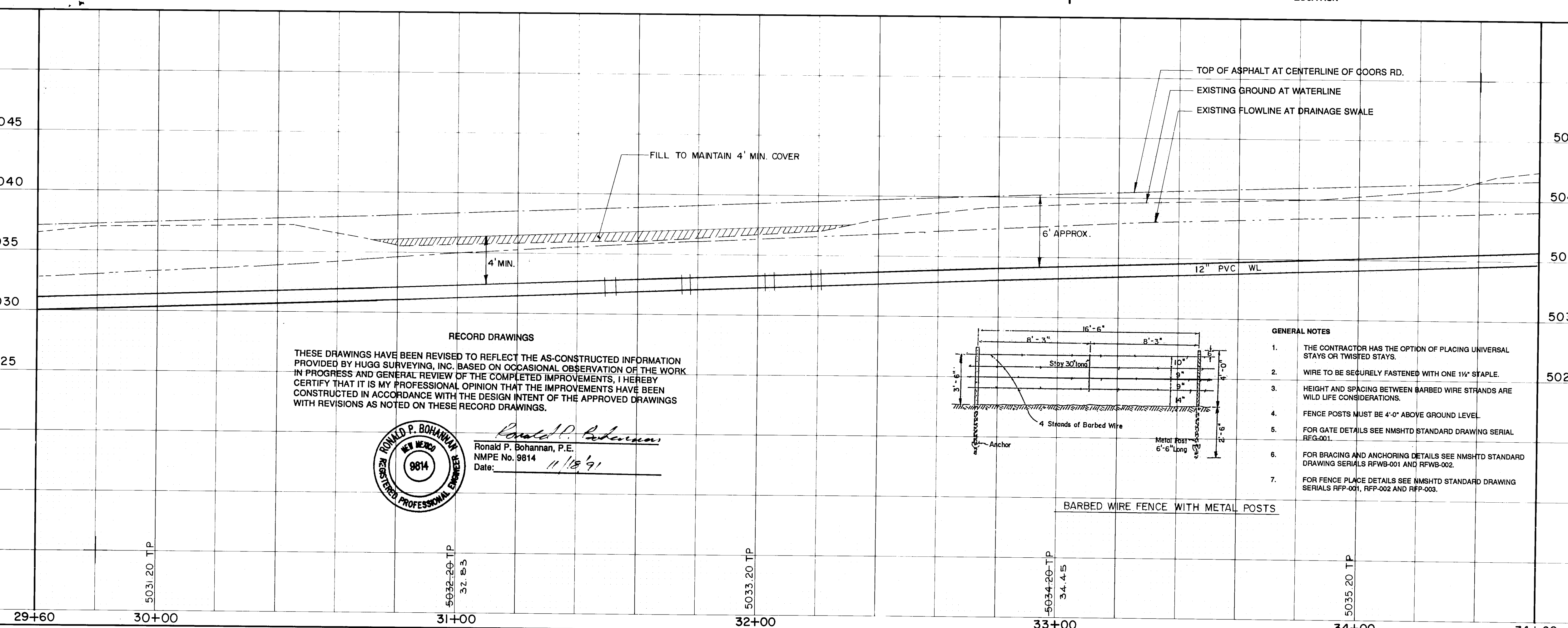
ENGINEERS SEAL	REMARKS	DATE
	REVISIONS	
	DESIGN	

NO.	DATE	DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE
		DEC	7-91	DEC	7-91	RPB	7-91

SCANNED BY
BY LASON

1" = 20' HORZ.
1" = 5' VERT.

SHEET 10 OF 28



A circular professional engineer seal for Ronald P. Bohannan. The outer ring contains the text "RONALD P. BOHANNAN" at the top and "REGISTERED PROFESSIONAL ENGINEER" at the bottom. The inner circle contains "NEW MEXICO" at the top and the number "9814" in the center.

- | | | | |
|------------------------------------|--|--|--|
| BARBED WIRE FENCE WITH METAL POSTS | | | |
|------------------------------------|--|--|--|

AS-BUILT INFORMATION	
CONTRACTOR JAYNES CORP.	
WORK PERFORMED BY	HUGG SURVEY DATE 11/91
INSPECTOR'S ACCEPTANCE BY	RAY BACHMAN DATE 11/91
FIELD VERIFICATION BY	HUGG SURVEY DATE 11/91
DRAWINGS CORRECTED BY	HUGG SURVEY DATE 11/91
MICRO-FILM INFORMATION	
RECORDED BY	DATE

SURVEY INFORMATION

ENGINEERS SEAL

REMARKS	BY

DESIGN	
DESIGNED BY	RPB
DATE	7-91
DRAWN BY	DEC
DATE	7-91

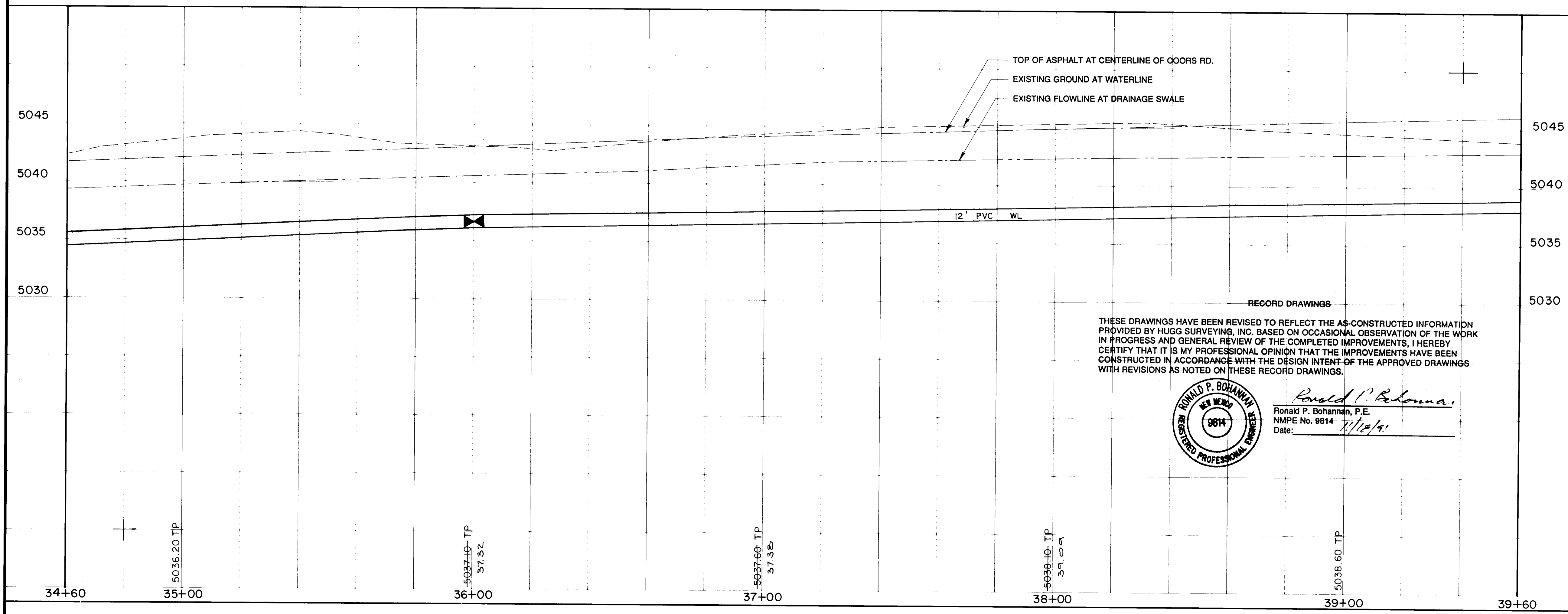
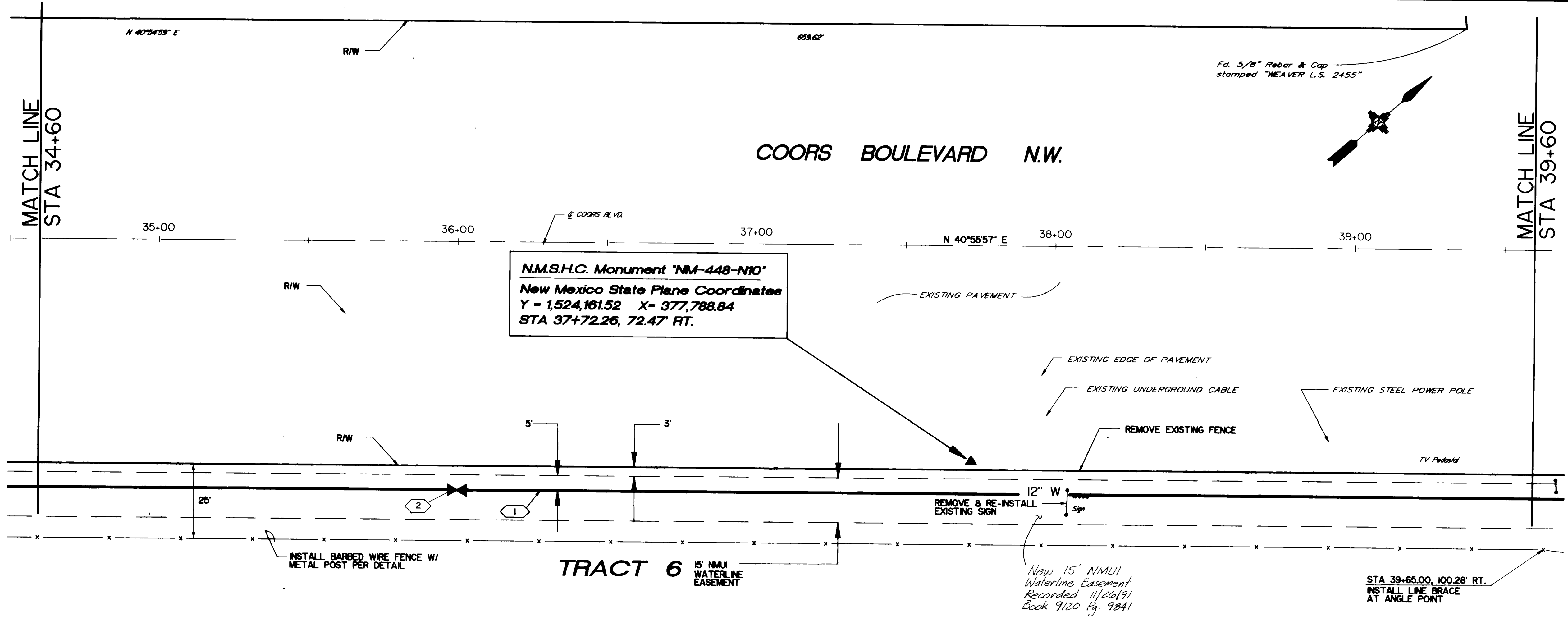
TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS
COORS ROAD N.W.
STA. 29+60 TO STA. 34+60

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER	<i>Bill Lee</i>	<i>8-27-91</i>
TRANS. DEV.	<i>Redoute</i>	<i>8-28-91</i>	WASTE WATER	<i>Bill</i>	<i>"</i>
HYDROLOGY	<i>NA</i>		N.M.U.I.	<i>Bill</i>	<i>8-28-91</i>

PROJECT NO.	SC5-90-6	MAP NO. C-13	SHEET 11 OF 28
C.O.A. 4266.90	DRB 90-121		
B.C.P.W.D. CZ 90-10			

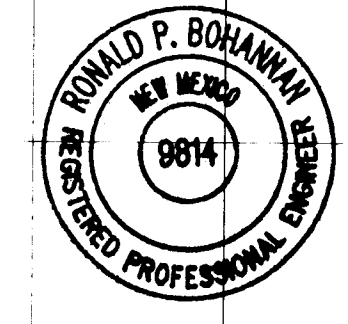
1" = 20' HORIZ
1" = 5' VERT

SCANNED BY LASON



RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS. I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.



Ronald P. Bohannon
Ronald P. Bohannon, P.E.
NMPE No. 9814
Date: 11/18/91

- COORS RD. WATERLINE
1. INSTALL 12" PVC C-900 WATERLINE AT N40°56'55"E
 2. STA. 36+00, 83' RT. 1 - 12" GATE VALVE W/ BOX

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEERS SEAL		
CONTRACTOR	JAMES CORP.		NM 448-N10	ELEV. 5045.513		NO.	BY	DATE		REMARKS REVISIONS	BY
WORK STAKED BY	HUGG SURVEY	DATE 10/91	NMSHC BRASS TABLET LOCATED APPROX 1270' NORTH OF IRVING BLVD. CENTERLINE & 72' EAST OF COORS RD. CENTERLINE.								
FIELD CHECKED BY	RAY BACON	DATE 11/91									
DESIGNED BY	HUGG SURVEY	DATE 11/91								DESIGN	DATE 7-91
DRAWN BY	HUGG SURVEY	DATE 11/91								DEC	DATE 7-91
CHECKED BY	HUGG SURVEY	DATE 11/91								RPB	DATE 7-91

26 4266.901291

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-718
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS
COORS ROAD N.W.
STA. 34+60 TO STA. 39+60

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER	<i>ALL</i>	8-20-91
TRANS. DEV.	<i>ALL</i>	8-20-91	WASTE WATER	<i>ALL</i>	"
HYDROLOGY	<i>MA</i>		N.M.U.I.	<i>ALL</i>	8-12-91

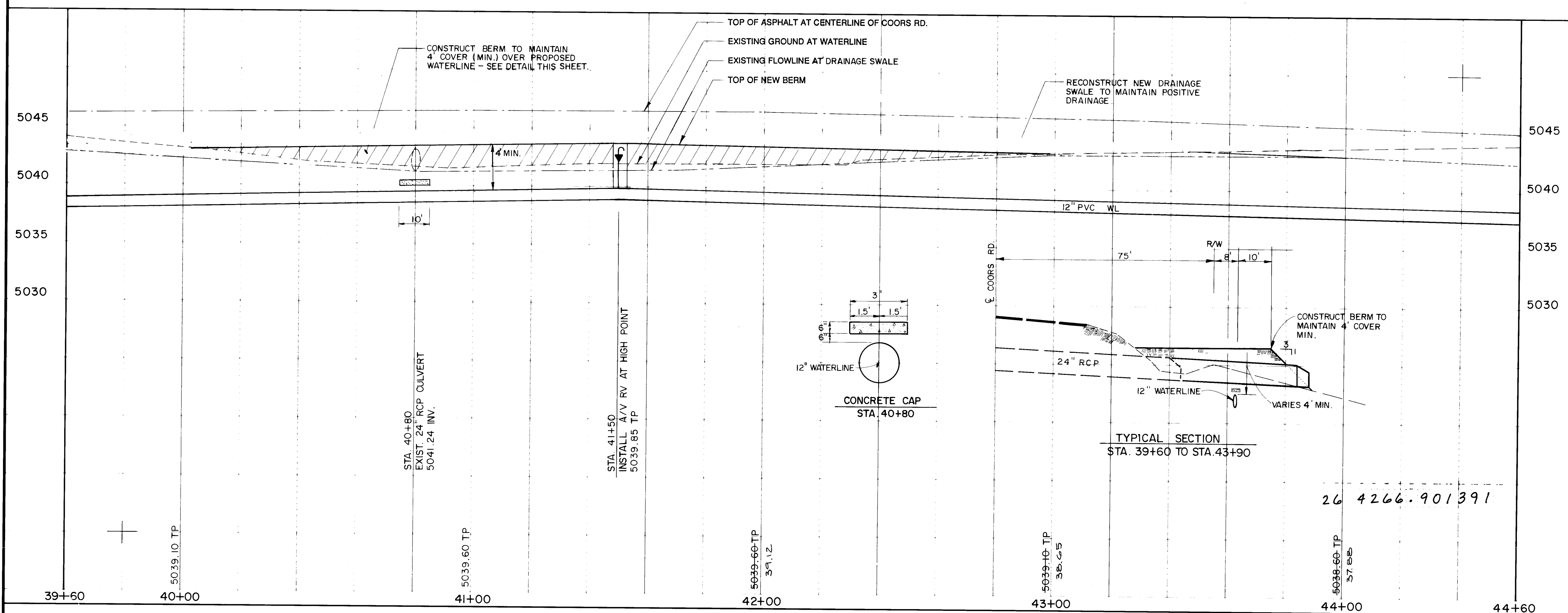
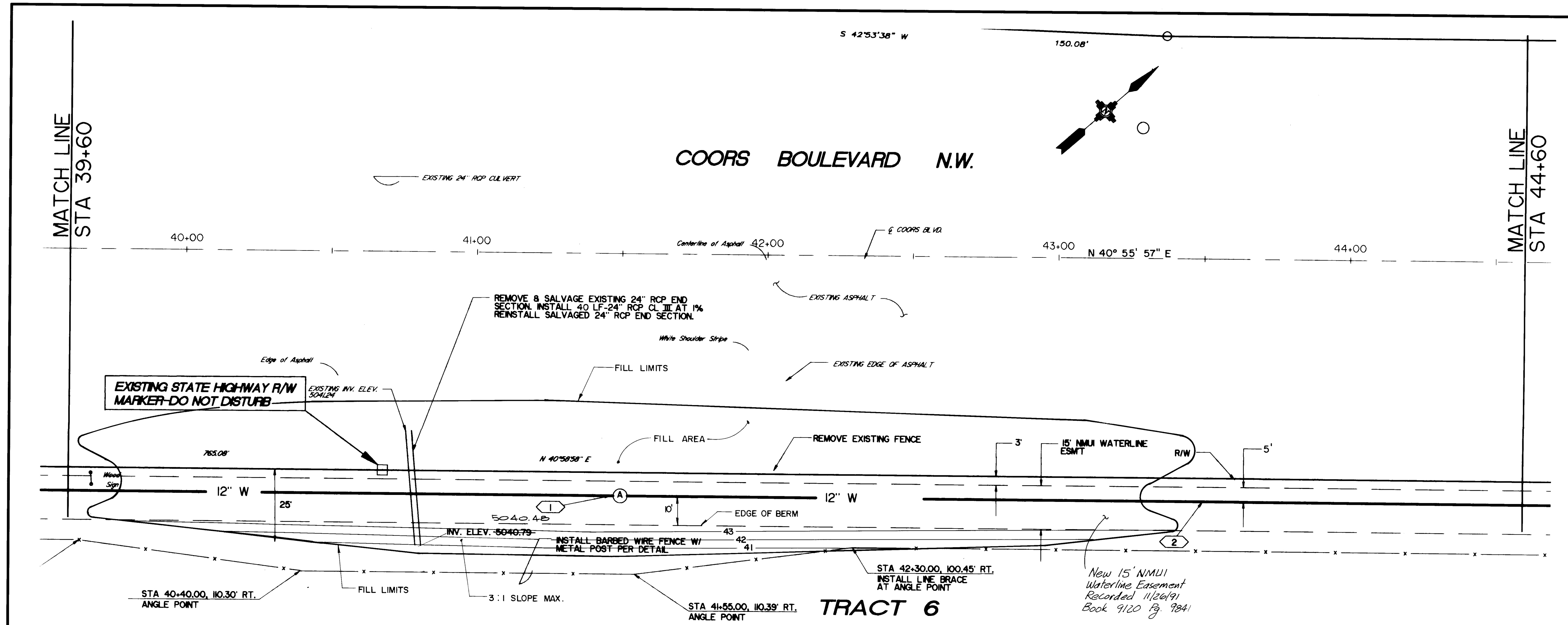
PROJECT NO. SC5-90-6
DRB 90-121
C.O.A. 4266.90 B.C.P.W.D. C2 90-10

MAP NO. C-13

SHEET 12 OF 28

SCANNED BY
BY LASON

1" = 20' HORZ.
1" = 5' VERT.



COORS RD. WATERLINE

① STA. 41+50, 82' RT
INSTALL
1-2" AIR/VACUUM RELIEF
VALVE PER NMUI STD. DETAIL

② INSTALL 12" PVC C-900
WATERLINE AT N40°56'55"E

CONTRACTOR: JAMES CORP.

WORK: HUGG SURVEY DATE: 10/91

STAKED BY: HUGG SURVEY DATE: 10/91

ASPECT: HUGG SURVEY DATE: 10/91

FIELD: HUGG SURVEY DATE: 10/91

DRAWINGS: HUGG SURVEY DATE: 10/91

CORRECTED BY: HUGG SURVEY DATE: 10/91

RECORDED BY: HUGG SURVEY DATE: 10/91

NO. 448 - N/O

ELEV. 5045.513

NMUI BRASS TABLET LOCATED APPROX. 1270' NORTH OF IRVING BLVD. CENTERLINE B 72' EAST OF COORS RD. CENTERLINE

DATE: 12/20/91

BY: HUGG SURVEY

RECORD DRAWINGS

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Ronald P. Bohannan, P.E.
NMPE No. 3814
Date: 11/15/91

Ronald P. Bohannan, P.E.
NMPE No. 3814
Date: 11/15/91

REVISIONS

DESIGN

DATE: 7-91

DATE: 7-91

DATE: 7-91

APPROVALS

ENGINEER

DATE

APPROVALS

ENGINEER

DATE

PROJECT NO. SC5-90-6
DRB 90-121

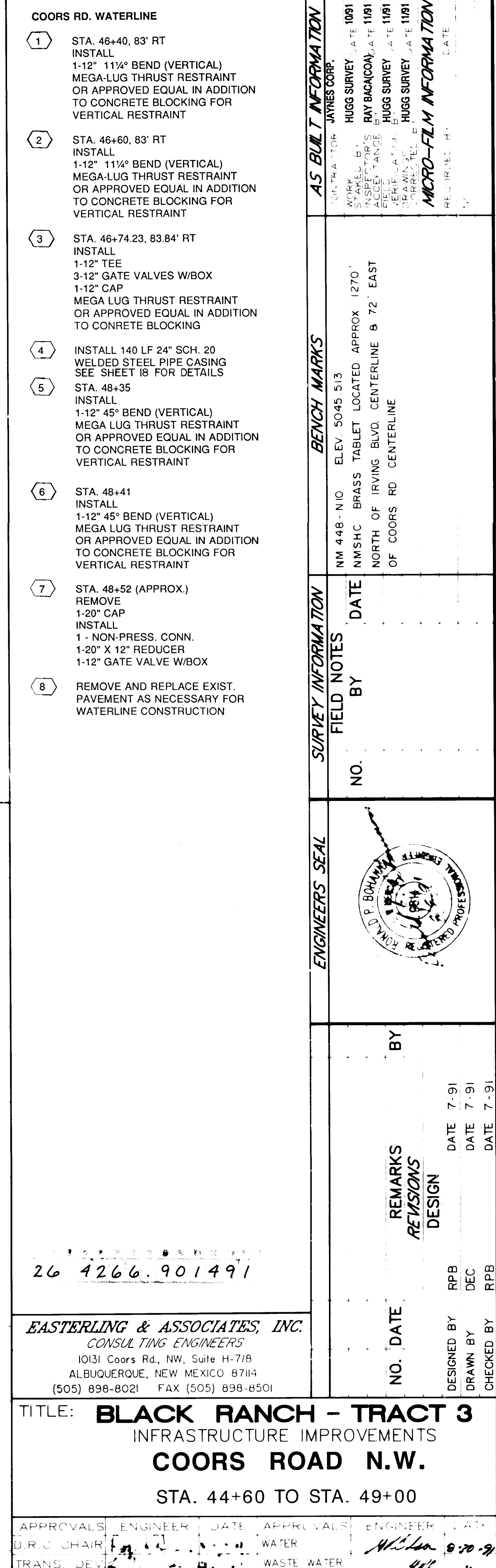
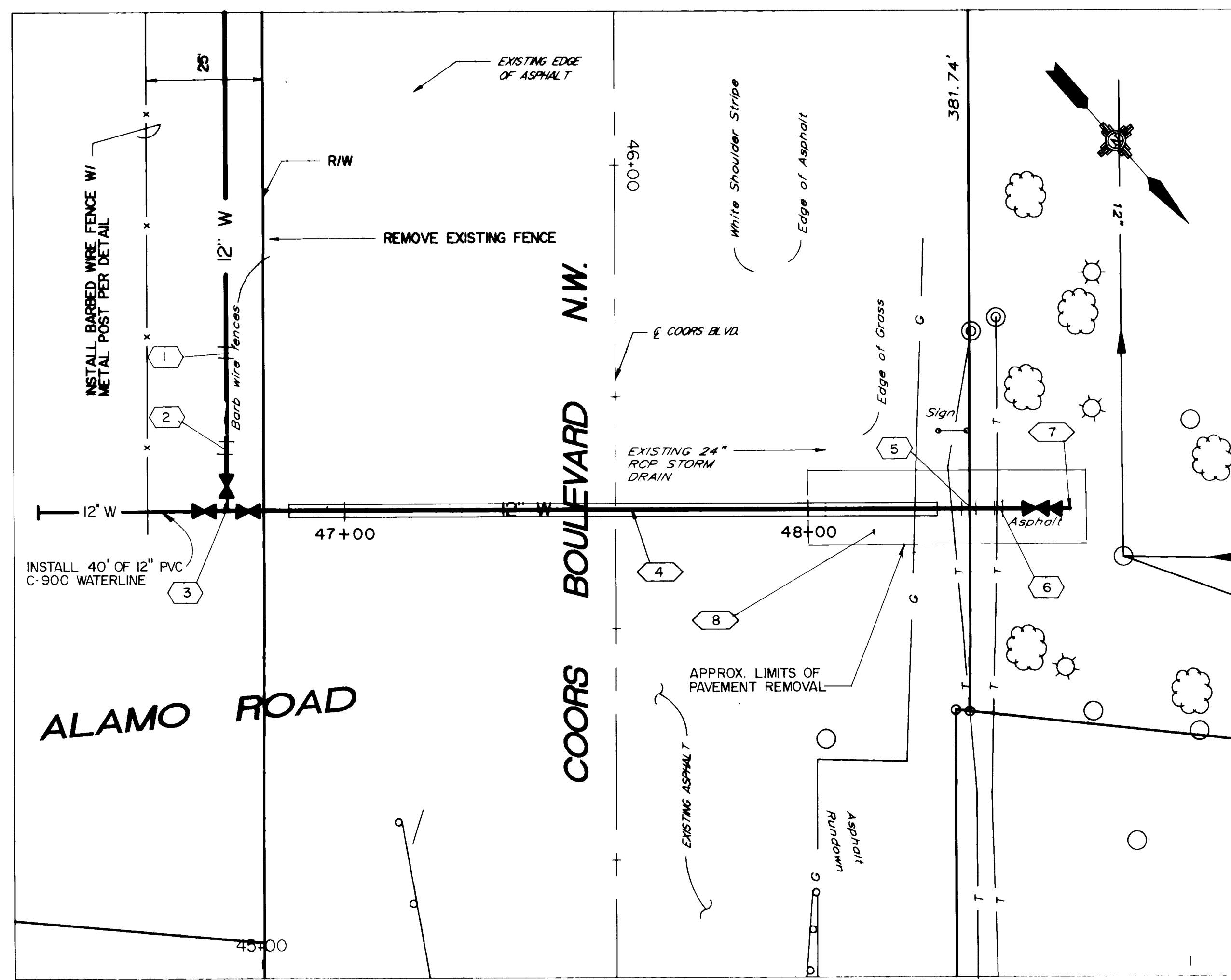
C.O.A. 4266.90 B.C.P.W.D. CZ 90-10

MAP NO. C-13

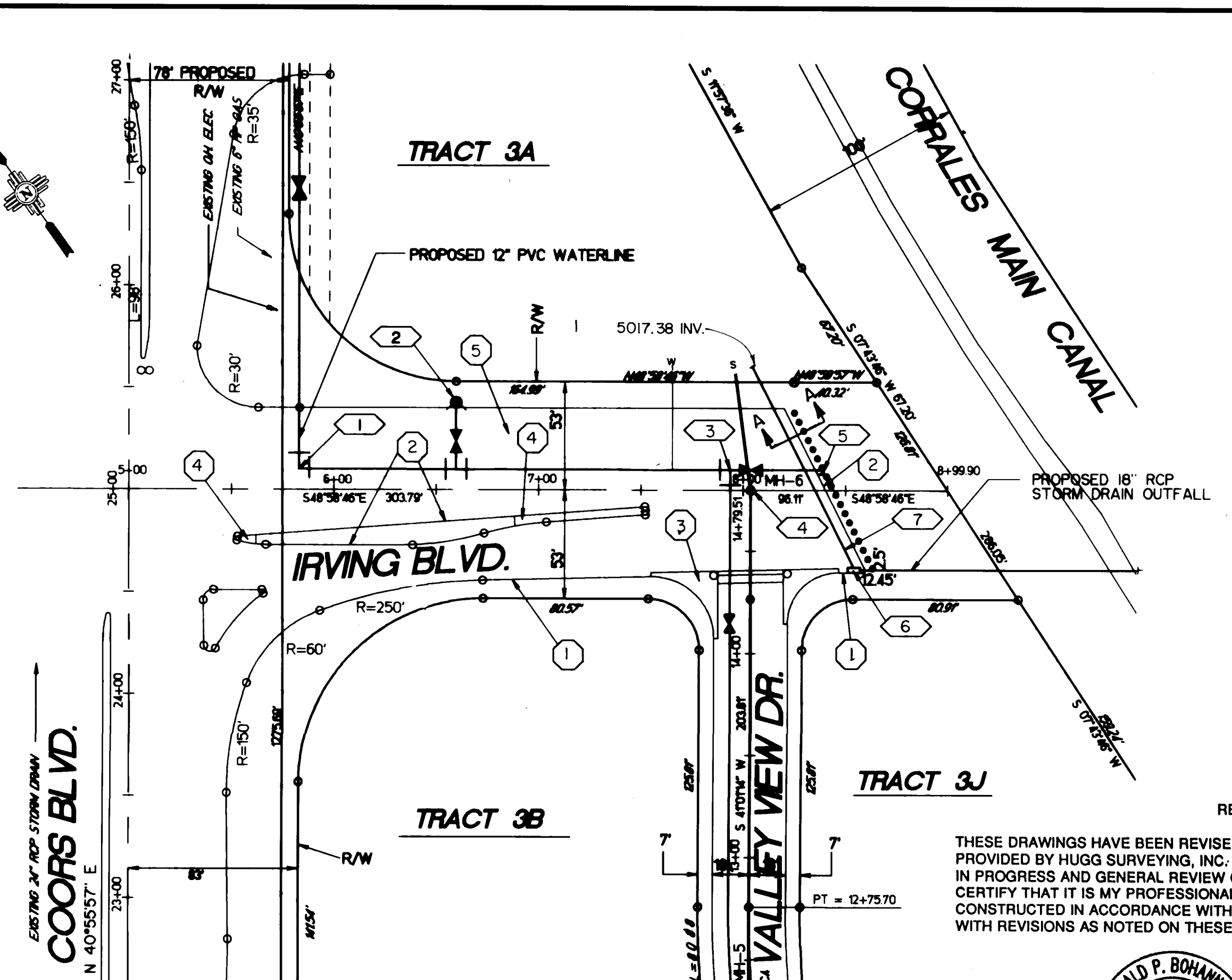
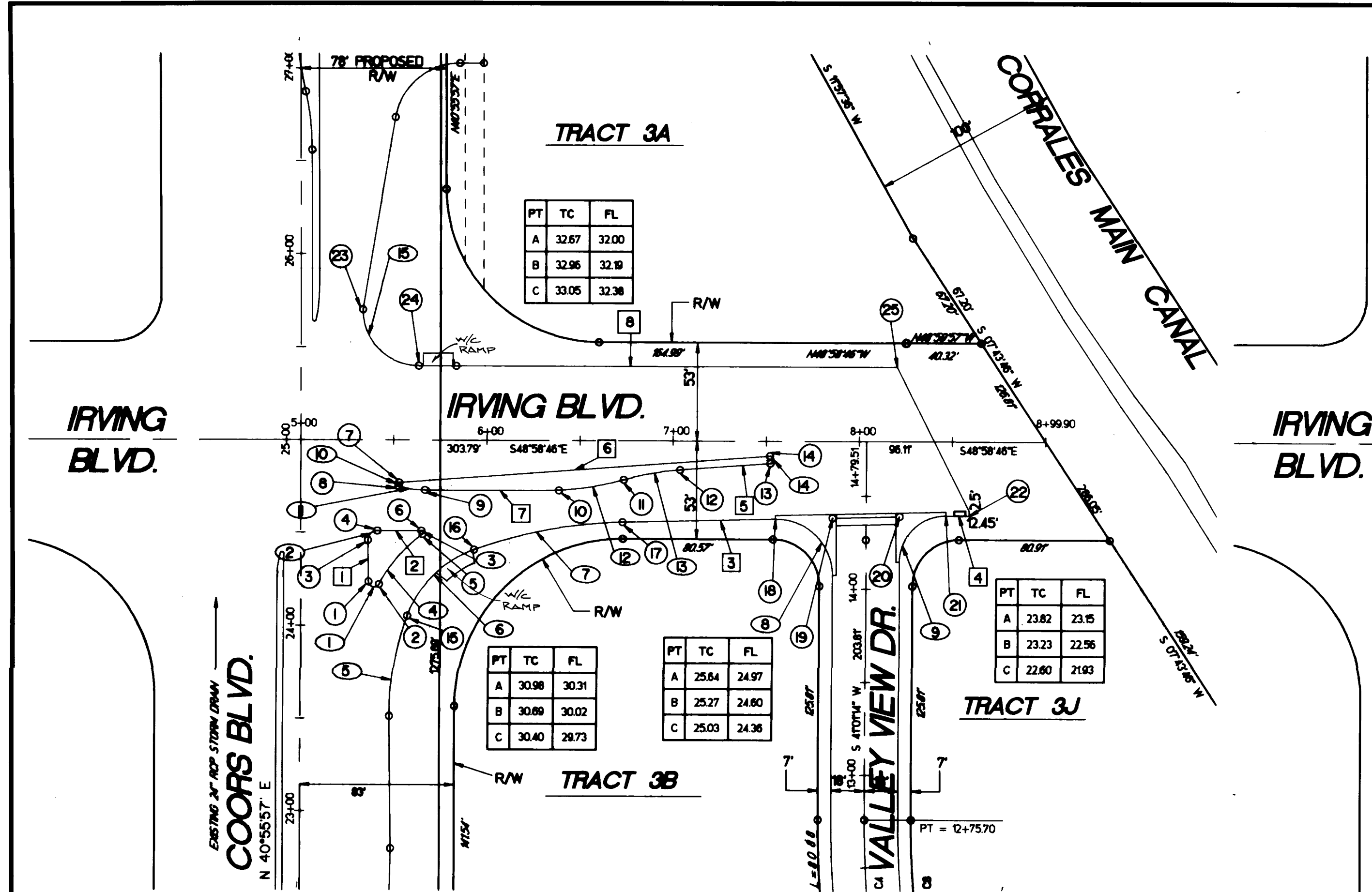
SHEET 13 OF 28

SCANNED BY
BY LASON

1" = 20' HORZ.
1" = 5' VERT.



SCANNED BY: BY LASON | " = 20' HORZ.
| " = 5' VERT.



IRVING BLVD. STREET IMPROVEMENTS		
1	INSTALL PCC STD CURB AND GUTTER	
2	INSTALL PCC MEDIAN CURB AND GUTTER	
3	INSTALL PCC VALLEY GUTTER	
4	INSTALL PCC TEXTURED AND COLORED MEDIAN PAVEMENT	
5	INSTALL ARTERIAL PAVEMENT SECTION	

IRVING BLVD. UTILITIES		
1	STA. 5+82.99, 10' LT INSTALL 1 - 12\"/>	
2	STA. 6+59.79, 10' LT INSTALL 1 - 12\"/>	
3	STA. 7+93.79, 10' LT INSTALL 1 - 12\"/>	
4	STA. 8+03.79 INSTALL 4\"/>	
5	STA. 8+40.0, 10' LT INSTALL 1 - 12\"/>	
6	STA. 8+53.54, 40' RT INSTALL TYPE \"A\" CATCH BASIN	
7	CONSTRUCT 110 LF 18\"/>	

RECORD DRAWINGS		
NO.	DATE	BY
1	11/13/91	Ronald P. Bohannon

AS-BUILT INFORMATION		
CONTRACTOR	JAVES CORP.	
DRAWN BY	HUGG SURVEYING, INC.	
CHECKED BY	HUGG SURVEYING, INC.	
DATE	11/13/91	

BENCH MARKS		
NO.	DATE	BY
1	11/13/91	Ronald P. Bohannon

SURVEY INFORMATION		
NO.	DATE	BY
1	11/13/91	Ronald P. Bohannon

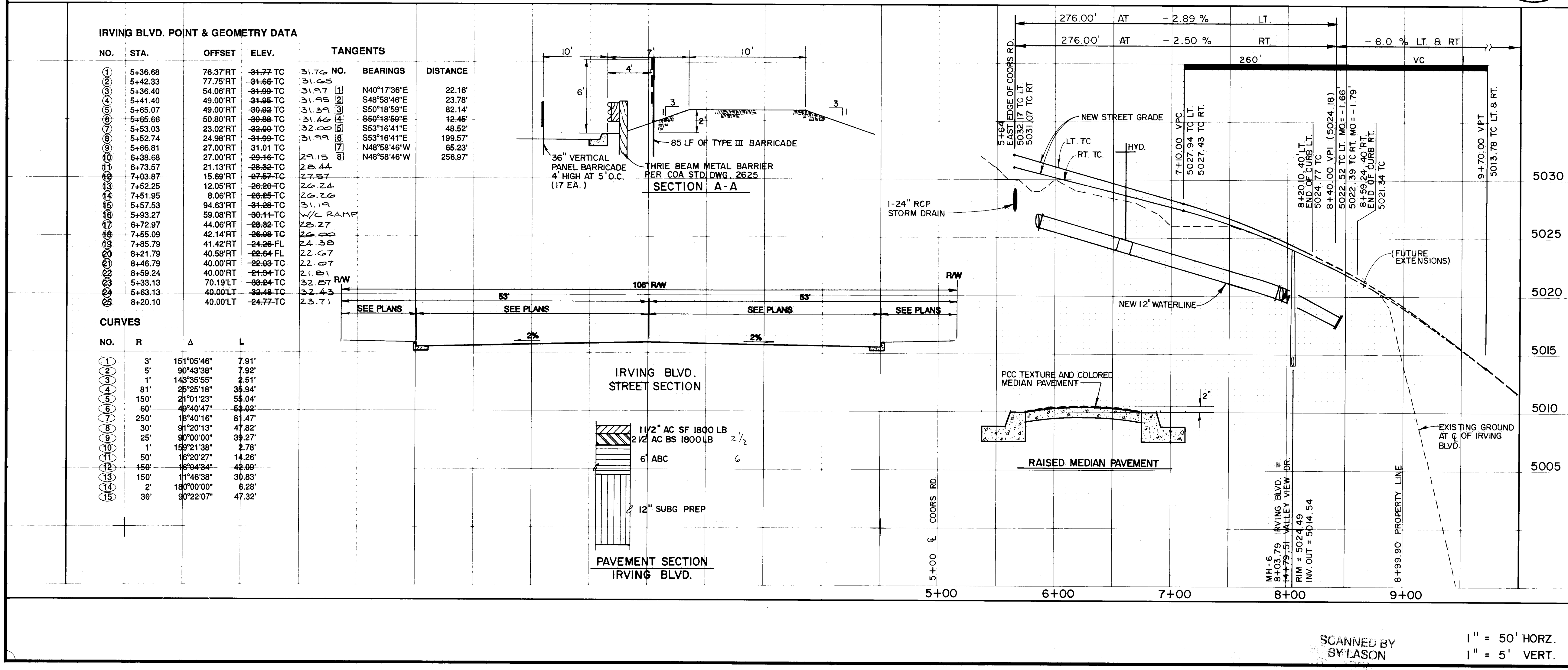
ENGINEERS SEAL		
NO.	DATE	BY
1	11/13/91	Ronald P. Bohannon

REVISIONS		
NO.	DATE	BY
1	11/13/91	Ronald P. Bohannon

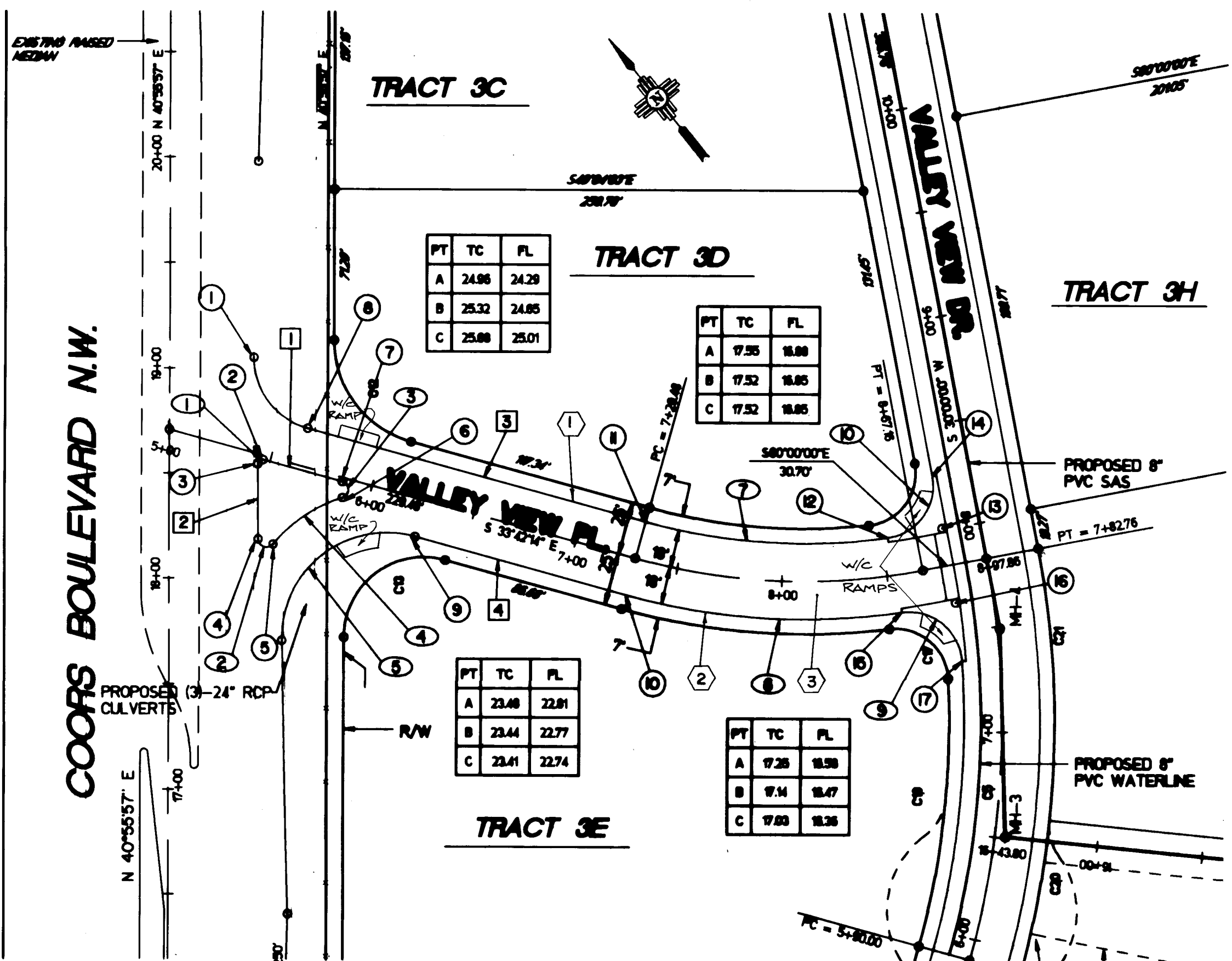
EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-718
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

TITLE: BLACK RANCH - TRACT 3
INFRASTRUCTURE IMPROVEMENTS
FOR
IRVING BLVD.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	Ronald P. Bohannon	11/13/91	WATER	Allen	8-22-91
TRANS. DEV.	R. D. D. D.	8-22-91	WASTE WATER	AKO	8-22-91
HYDROLOGY	NA		NMUI	J. D. D.	8-22-91



THE PLAZA AT PASEO DEL NORTE
ZONING: C-2

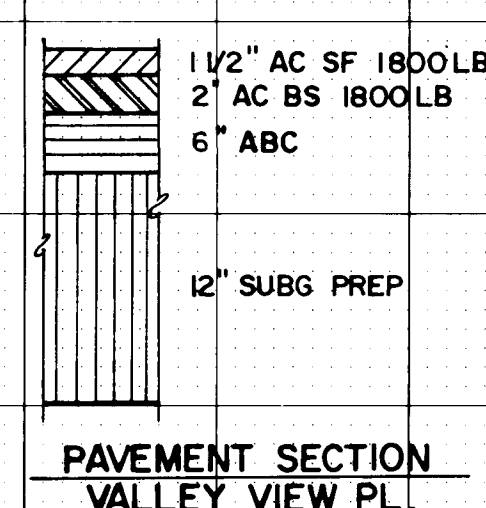
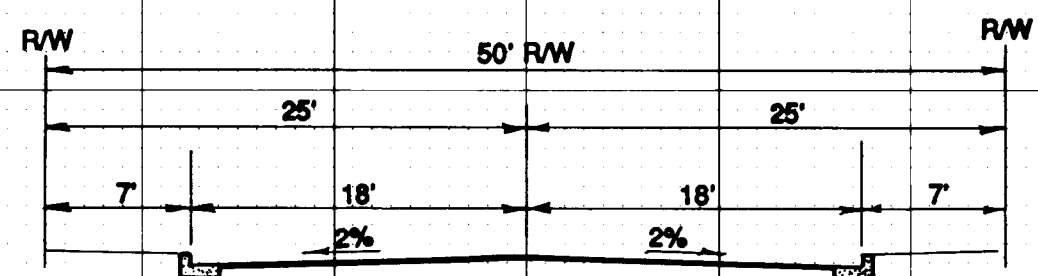


VALLEY VIEW PLACE POINT & GEOMETRY DATA			
NO.	STA.	OFFSET	ELEV.
1	5+29.35	43.67' LT	-26.04 TC 25.61
2	5+46.73	2.0' RT	-25.14 TC 25.12
3	5+44.81	4.55' RT	-25.15 TC 25.14
4	5+54.58	39.04' RT	-24.59 TC 24.44
5	5+52.09	39.58' RT	-24.49 TC 24.50
6	5+87.86	9.34' RT	-23.89 TC 23.98
7	5+85.75	2.0' RT	-23.95 TC 23.77
8	5+63.08	18.0' LT	-24.60 TC 24.42
9	6+26.05	18.0' RT	-23.37 TC 23.31
10	7+29.48	18.0' LT	-20.29 TC 20.40
11	7+29.48	18.0' LT	-20.29 TC 20.40
12	8+52.80	18.0' LT	-17.56 TC 17.60
13	8+79.86	18.0' LT	-16.76 FL 16.80
14	8+79.86	43.29' LT	-17.64 TC 17.58
15	8+54.28	18.0' RT	-17.35 TC 17.31
16	8+79.45	18.0' RT	-16.47 FL 16.49
17	8+77.27	45.51' RT	-16.99 TC 16.90

CURVES			
NO.	R	Δ	L
1	2'	105°48'57"	3.69'
2	4'	140°13'38"	9.79'
3	4'	145°53'52"	10.19'
4	70'	32°58'21"	40.28'
5	50'	106°43'13"	93.13'
6	35'	74°32'03"	45.53'
7	282'	23°33'09"	115.11'
8	318'	23°50'08"	132.29'
9	25'	94°02'25"	41.03'
10	25'	92°44'37"	40.47'

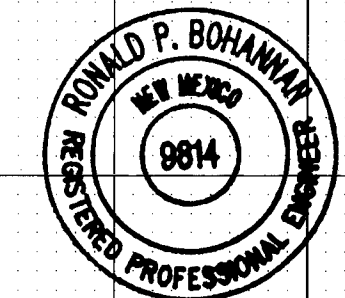
TANGENTS		
NO.	BEARINGS	DISTANCE
1	N33°42'14"W	39.25'
2	N40°28'49"E	35.85'
3	S33°42'14"E	166.39'
4	S33°42'14"E	103.42'

- VALLEY VIEW PL. STREET IMPROVEMENTS
- 1. INSTALL PCC STD CURB AND GUTTER
 - 2. INSTALL PCC STD CURB AND GUTTER
 - 3. INSTALL RESIDENTIAL PAVEMENT SECTION

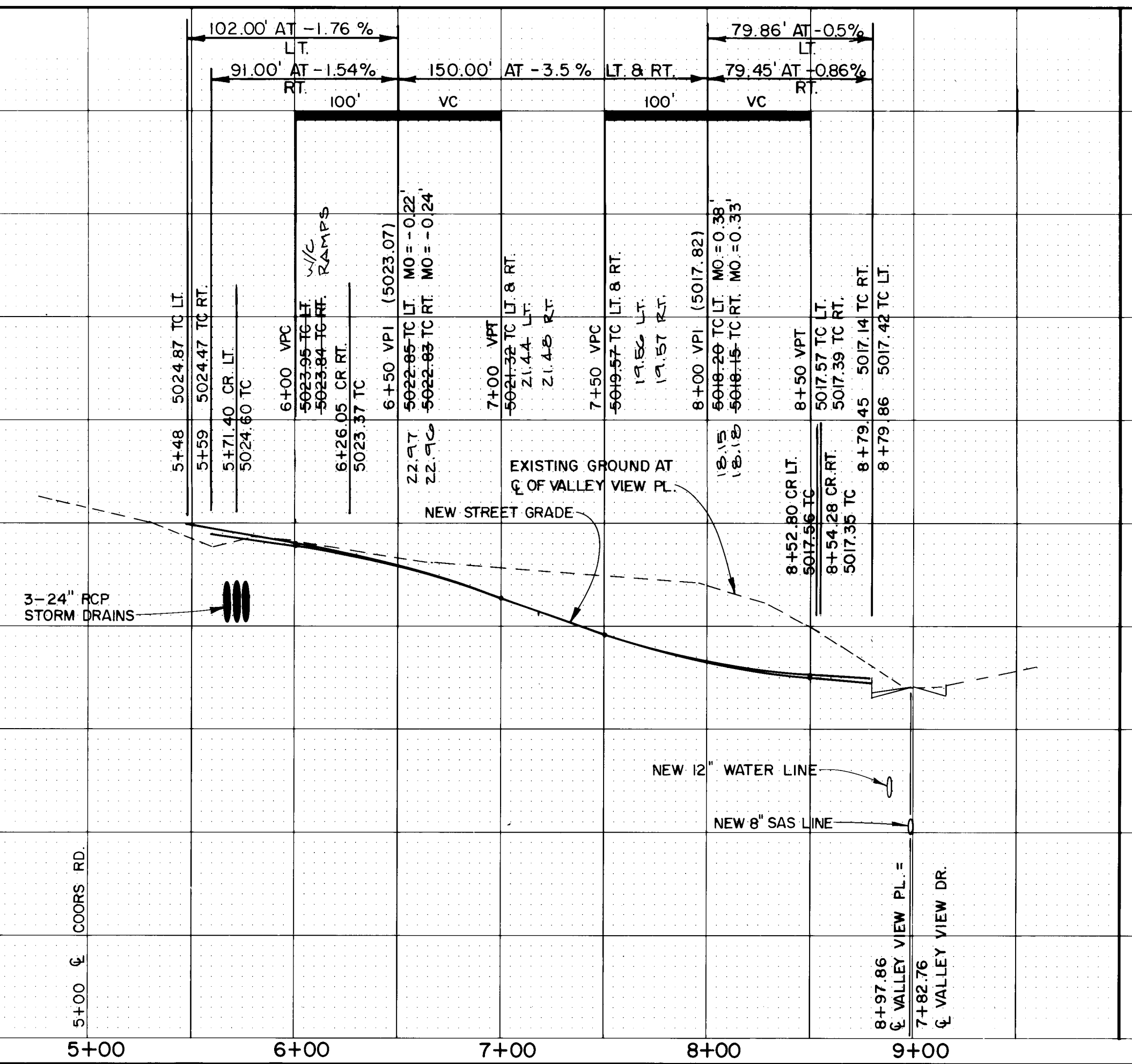


RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS. I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.



Ronald P. Bohannon
Ronald P. Bohannon, P.E.
N.M.P.E. No. 9814
Date: 11/15/91



ENGINEERS SEAL		SURVEY INFORMATION		BENCH MARKS	
NO.		BY		DATE	
REVISIONS		BY		DATE	
DESIGN		BY		DATE	
NO.		DATE		RECORDED BY	
DATE		DEC. 1990		NO.	
DRAWN BY		DEC. 1990		RECORDED BY	
CHECKED BY		RPB		DATE	
DATE		DEC. 1990		NO.	

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-718
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS

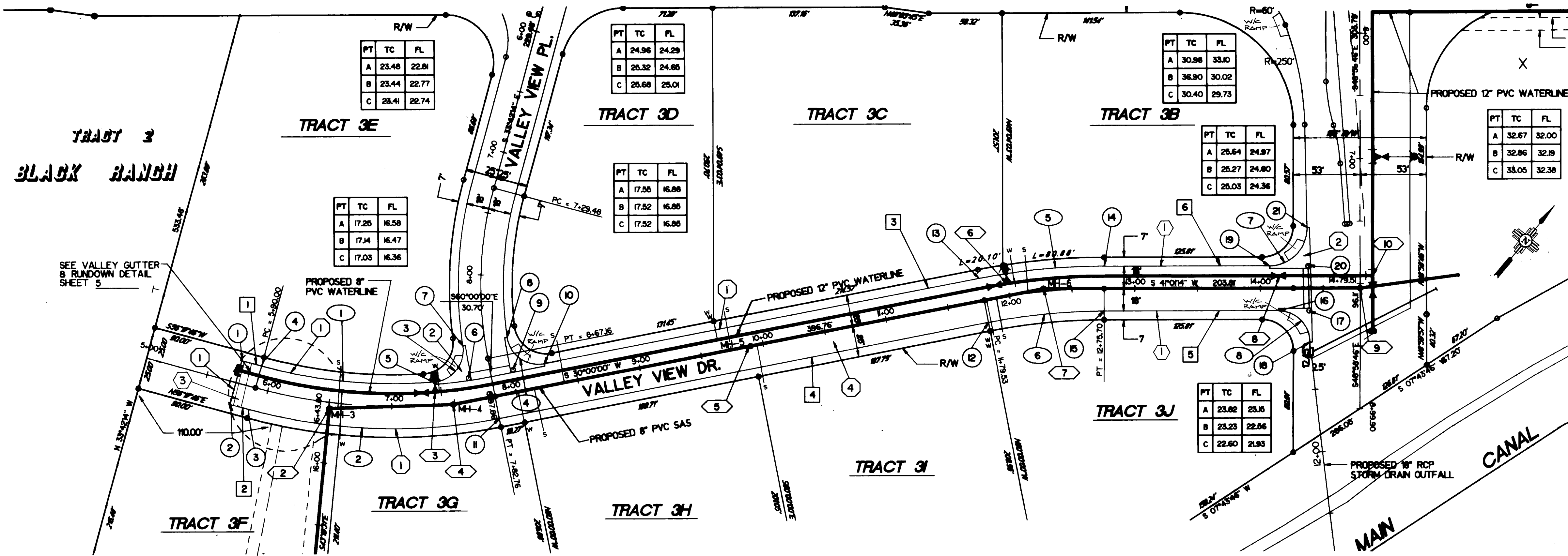
VALLEY VIEW PL.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	8/20/91	8/20/91	WATER	8/20/91	8/20/91
TRANS. DEV.	8/20/91	8/20/91	WASTE WATER	8/20/91	8/20/91
HYDROLOGY	NA	8/20/91			

PROJECT NO. SC5-90-6
C.O.A. 4266.90 B.C.P.W.D. CZ 90-10
MAP NO. C-13

SHEET 16 OF 28

SCANNED BY
BY LASON
1" = 50' HORZ.
1" = 5' VERT.



VALLEY VIEW DRIVE POINT & GEOMETRY DATA			
NO.	STA.	OFFSET	ELEV.
1	5+74.00	18.0'LT	-16.84 TO 15.76
2	5+74.00	18.0'RT	-15.83 TO 15.84
3	5+90.00	18.0'RT	-15.72 TO 15.81
4	5+90.00	18.0'LT	-16.08 TO 16.03
5	7+35.11	18.0'LT	-16.88 TO 16.79
6	7+35.11	18.0'LT	-16.47 TO 16.41
7	7+35.11	18.0'LT	-17.95 TO 17.31
8	8+00.78	44.20'LT	-17.56 TO 17.62
9	8+00.78	18.0'LT	-16.75 TO 16.81
10	8+26.05	18.0'LT	-17.61 TO 17.58
11	7+82.76	18.0'RT	-17.28 TO 17.14
12	11+79.53	18.0'LT	-21.54 TO 21.44
13	11+79.53	18.0'RT	-21.64 TO 21.54
14	12+75.70	18.0'LT	-22.67 TO 22.60
15	12+75.70	18.0'RT	-22.67 TO 22.60
16	14+14.51	18.0'RT	-24.39 TO 24.33
17	14+38.92	18.0'RT	-22.64 TO 22.60
18	14+39.51	43.0'RT	-22.03 TO 22.07
19	14+07.38	18.0'LT	-24.95 TO 24.91
20	14+38.08	18.0'LT	-24.26 TO 24.38
21	14+37.37	48.70'RT	-26.08 TO 26.00

CURVES			
NO.	R	Δ	L
1	402'	19°47'43"	138.89'
2	438'	26°17'46"	201.02'
3	25'	94°02'25"	41.03'
4	25'	92°44'37"	40.47'
5	518'	11°01'14"	99.63'
6	482'	11°01'14"	92.71'
7	30'	91°20'13"	47.82'
8	25'	90°00'00"	39.27'

TANGENTS		
NO.	BEARINGS	DISTANCE
1	N56°17'46"	16.0'
2	N56°17'46"	16.0'
3	N30°00'00"E	353.47'
4	N30°00'00"E	396.77'
5	N41°01'14"E	138.81'
6	N41°01'14"E	131.68'

- VALLEY VIEW DRIVE STREET IMPROVEMENTS**
- 1. INSTALL PCC STD CURB AND GUTTER
 - 2. INSTALL PCC VALLEY GUTTER
 - 3. INSTALL PCC RUNDOWN
 - 4. INSTALL RESIDENTIAL PAVEMENT SECTION
- VALLEY VIEW DRIVE UTILITIES**
- 1. STA. 5+70.00, 10'LT
INSTALL 1 - 12" CAP
 - 2. STA. 6+50.65, 5.0'RT
INSTALL 1 - 4" DIA TYPE "E" MH
 - 3. STA. 7+35.11, 10'LT
INSTALL 1 - 12"x6" TEE
1 - 12" GV W/BOX
1 - 6" GV W/BOX
9.5 LF OF 6" PVC WL
1 - 4 1/2" B FH
BF ELEV = 5017.4 - 17.50
 - 4. STA. 7+48.94, 1.37'RT
INSTALL 1 - 4" DIA TYPE "E" MH
 - 5. STA. 9+89.94
INSTALL 1 - 4" DIA TYPE "E" MH
 - 6. STA. 11+99.62, 10'LT
INSTALL 1 - 12"x6" TEE
1 - 12" GV W/BOX
1 - 6" GV W/BOX
9.5 LF OF 6" PVC WL
1 - FH, 19.5'LT
BF ELEV = 5021.9 - 22.35
 - 7. STA. 12+27.62, 2.32'LT
INSTALL 1 - 4" DIA TYPE "E" MH
 - 8. STA. 14+14.51, 10'LT
INSTALL 1 - 12" GV W/BOX
 - 9. STA. 14+79.51
INSTALL 4" DIA, TYPE "E" MH
 - 10. STA. 14+89.51, 10'LT
INSTALL 1 - 12" TEE
1 - 12" GV W/BOX
MEGA LUG THRUST RESTRAINT
OR APPROVED EQUAL IN ADDITION
TO CONCRETE BLOCKING

ENGINEERS SEAL

ROBERT P. BOHANNAN, P.E.
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
NO. 8014

REVISIONS

NO.	DATE	REMARKS
1	DEC 1990	DESIGN
2	DEC 1990	DESIGN
3	DEC 1990	DESIGN
4	DEC 1990	DESIGN
5	DEC 1990	DESIGN
6	DEC 1990	DESIGN
7	DEC 1990	DESIGN
8	DEC 1990	DESIGN
9	DEC 1990	DESIGN
10	DEC 1990	DESIGN

TITLE: BLACK RANCH - TRACT 3
INFRASTRUCTURE IMPROVEMENTS

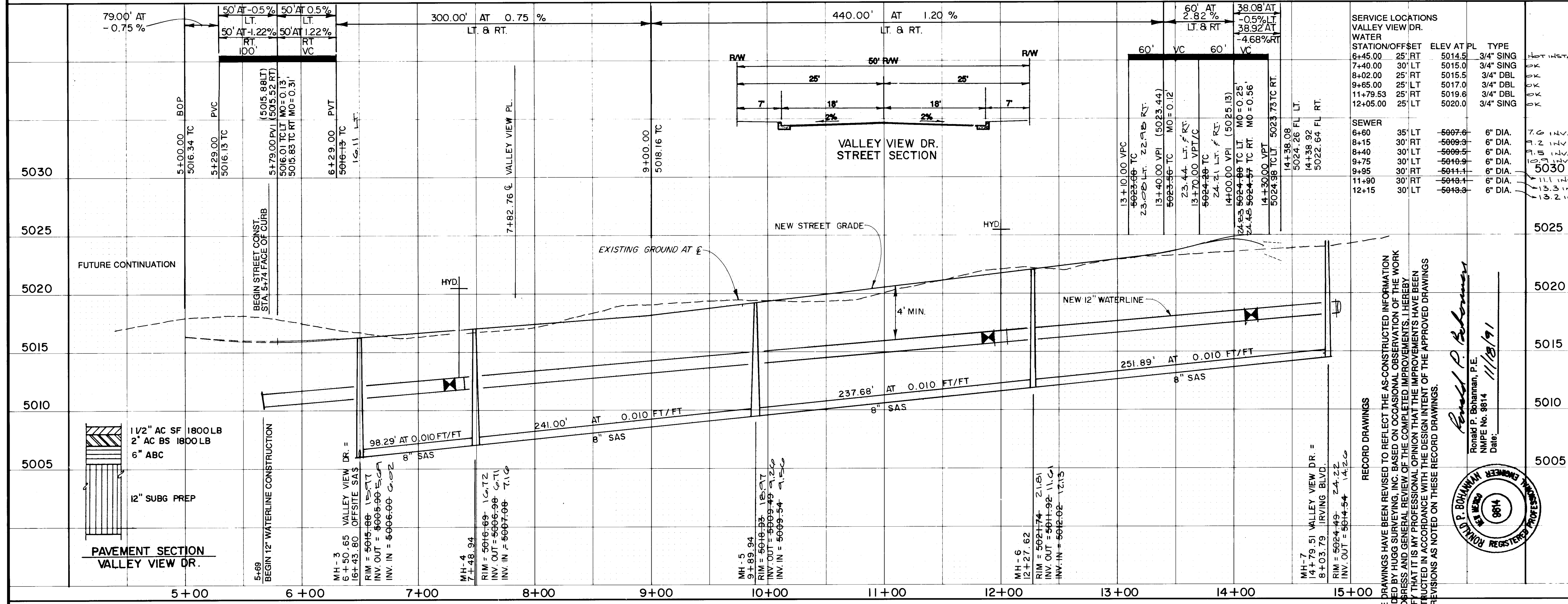
FOR
VALLEY VIEW DRIVE

APPROVALS: ENGINEER [Signature] DATE 8-20-91
D.R.C. CHAIR [Signature] DATE 8-20-91
TRANS. DEV. [Signature] DATE 8-20-91
HYDROLOGY [Signature] DATE 8-20-91

PROJECT NO. SC5-90-6
C.O.A. 4266.90 B.C.P.W.D. CZ 90-10

MAP NO. C-13

SHEET 17 OF 28



PAVEMENT SECTION VALLEY VIEW DR.

1 1/2" AC SF 1800LB
2" AC BS 1800LB
6" ABC

12" SUBG PREP

BEGIN 12" WATERLINE CONSTRUCTION

5+68

6+50.65 VALLEY VIEW DR. =
16+43.80 OFFSITE SAS
RIM = 5016.88
INV. OUT = 5006.90
INV. IN = 5006.00

MH-3
7+48.94
RIM = 5016.88
INV. OUT = 5006.90
INV. IN = 5006.00

MH-4
9+89.94
RIM = 5016.88
INV. OUT = 5006.90
INV. IN = 5006.00

MH-5
12+27.62
RIM = 5016.88
INV. OUT = 5006.90
INV. IN = 5006.00

MH-6
14+14.51
RIM = 5016.88
INV. OUT = 5006.90
INV. IN = 5006.00

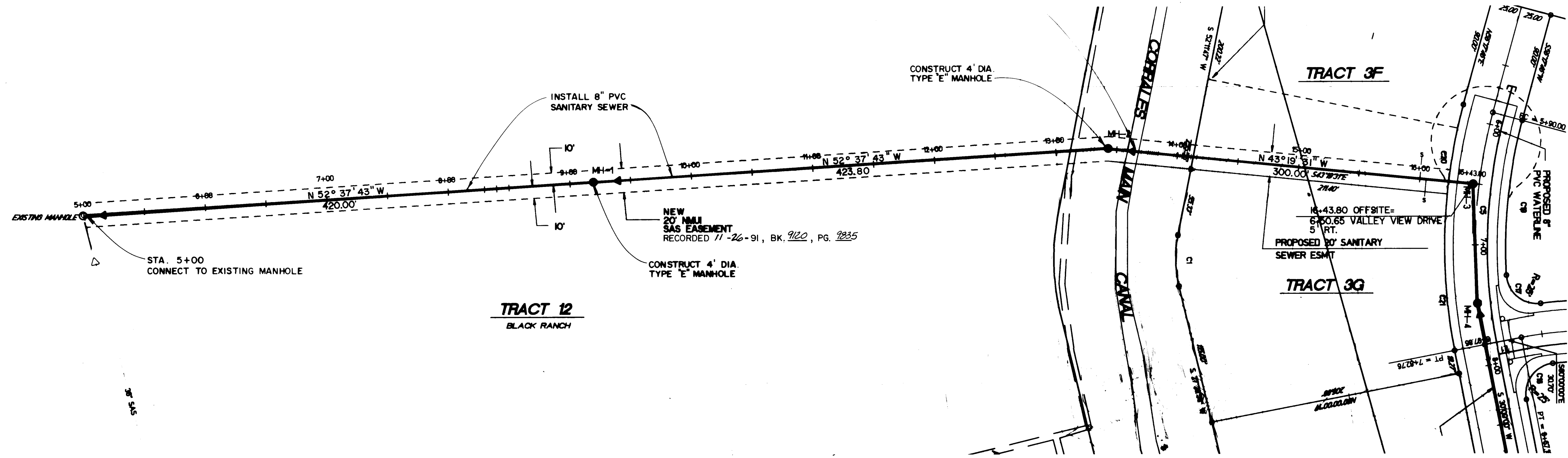
MH-7
14+79.51
RIM = 5016.88
INV. OUT = 5006.90
INV. IN = 5006.00

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATIONS OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS. I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS. WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.

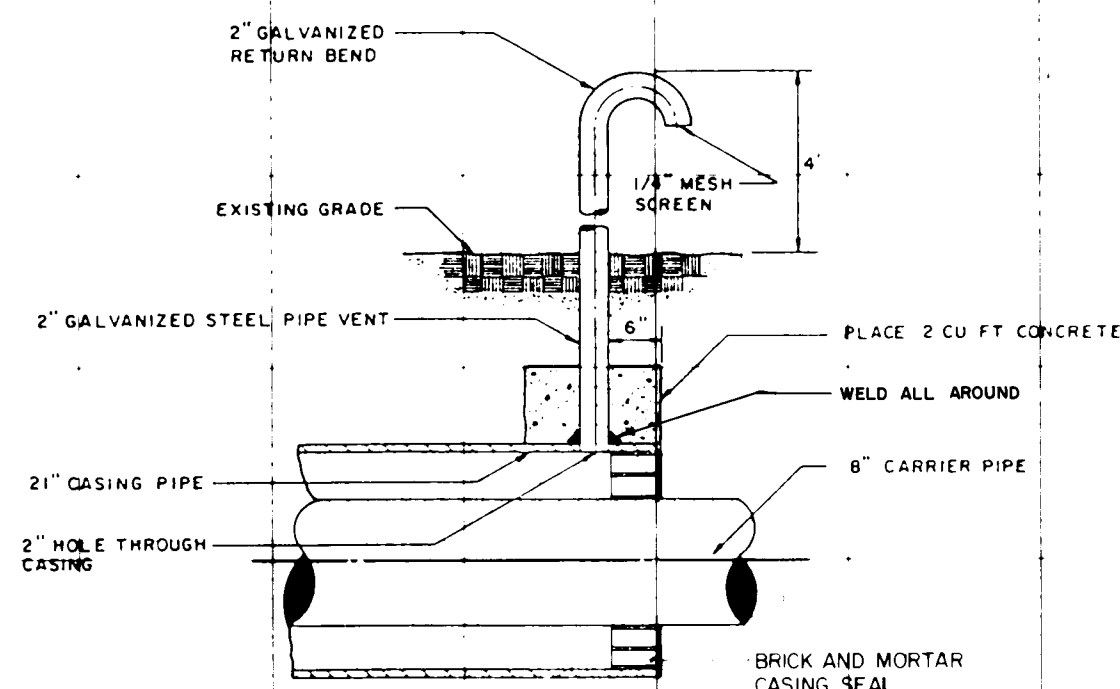
ROBERT P. BOHANNAN, P.E.
STATE OF NEW MEXICO
NO. 8014
DATE 11/18/91

8" DIA PVC SDR-35 SANITARY SEWER IN 21" RCP CL III CASING
CROSSING THE CORRALES MAIN CANAL APPROX. 1240 LF UPSTREAM
OF THE PASEO DEL NORTE CONCRETE BOX CULVERT



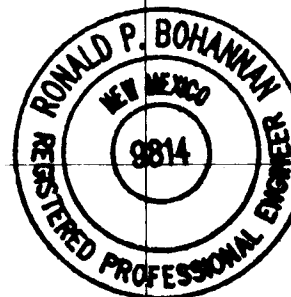
CONTRACTOR SHALL COORDINATE WITH M.R.G.C.D. FOR UTILITY
INSTALLATIONS ACROSS CORRALES MAIN CANAL.

CONTRACTOR SHALL ARRANGE WITH OWNERS FOR CATTLE TO BE
REMOVED FROM THE WORK AREA OR PROVIDE TEMPORARY FENCING
TO PREVENT CATTLE FROM ENTERING THE WORK AREA/TRENCH
DURING CONSTRUCTION.

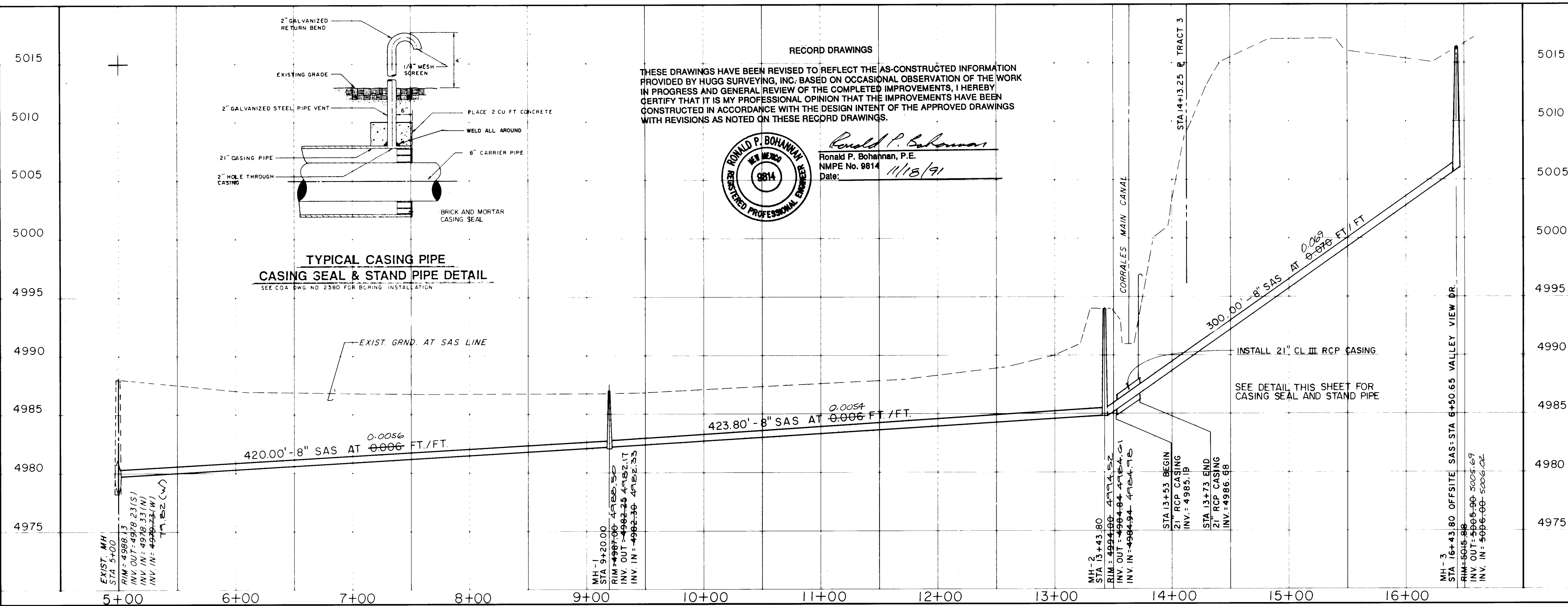


RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION
PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK
IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS, I HEREBY
CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN
CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS
WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.



Ronald P. Bohannan, P.E.
NMPE No. 9814
Date: 11/18/91



SCANNED BY
BY LASON

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

SEWER SERVICE LOCATIONS

STA. 16+00 LT. TRACT 3F 6" SERVICE
ELEV. AT EASEMENT LINE = 5004.90' 04.88 IN.

STA. 16+05 RT. TRACT 3G 6" SERVICE
ELEV. AT PROPERTY LINE = 5005.25' 05.20 IN.

AS BUILT INFORMATION

CONTRACTOR: JAYNES CORP.
WORK: HUGG SURVEY
INSPECTOR: HUGG SURVEY
DATE: 11/18/91
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BENCH MARKS

NM 448 - N/O
ELEV. 5045.513
NMSHC BRASS TABLET LOCATED APPROX. 1270'
NORTH OF IRVING BLVD. CENTERLINE 9' 72" EAST
OF COORS RD CENTERLINE

SURVEY INFORMATION

FIELD NOTES
NO. 1
DATE
BY

ENGINEER'S SEAL

RONALD P. BOHANNAN
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
LICENSE NO. 9814

REVISIONS

NO. DATE
DESIGNED BY DEC
DRAWN BY BRG
CHECKED BY RPB

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd, NW, Suite H-718
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

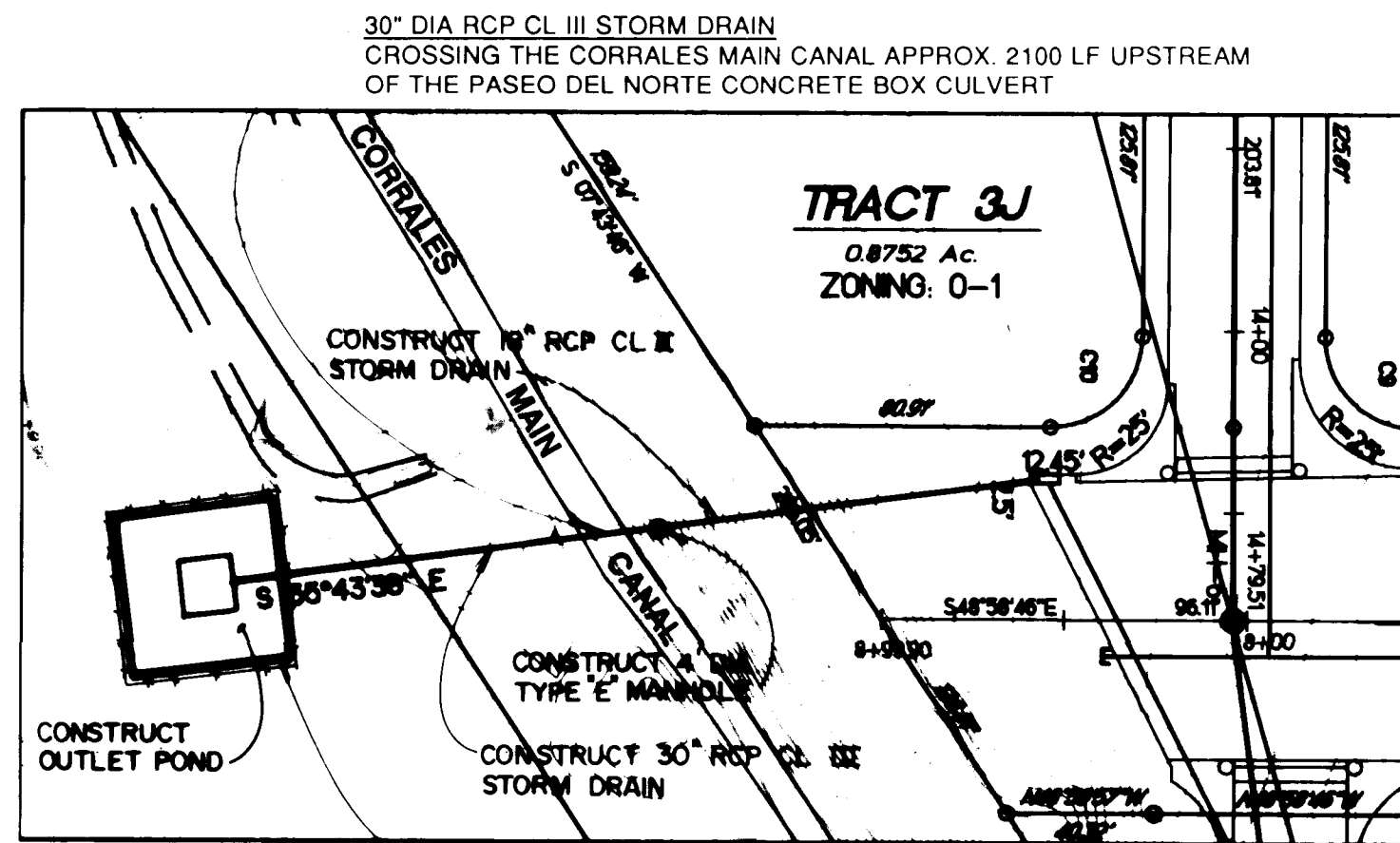
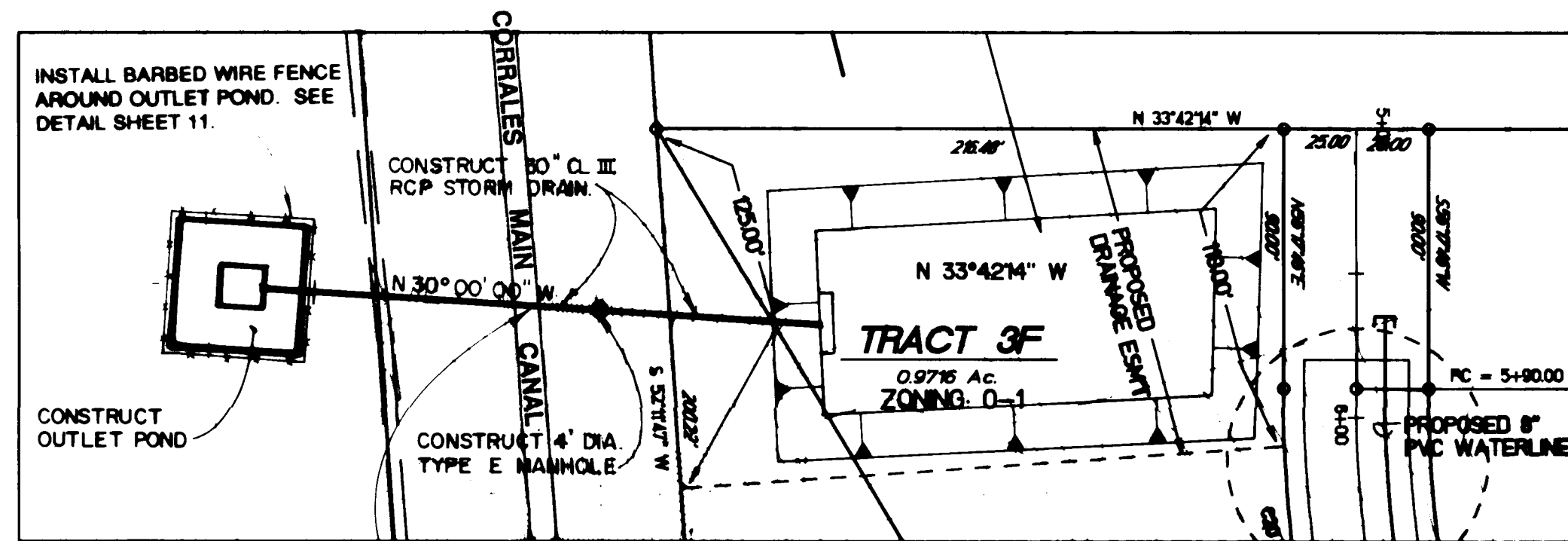
TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS
OFFSITE SAS

APPROVALS

ENGINEER	DATE	APPROVALS	ENGINEER
D.R.C. CHAIR	8-29-91	WATER	8-30-91
TRANS. DEV.	8-29-91	WASTE WATER	8-30-91
HYDROLOGY	8-29-91	NMUI	8-30-91

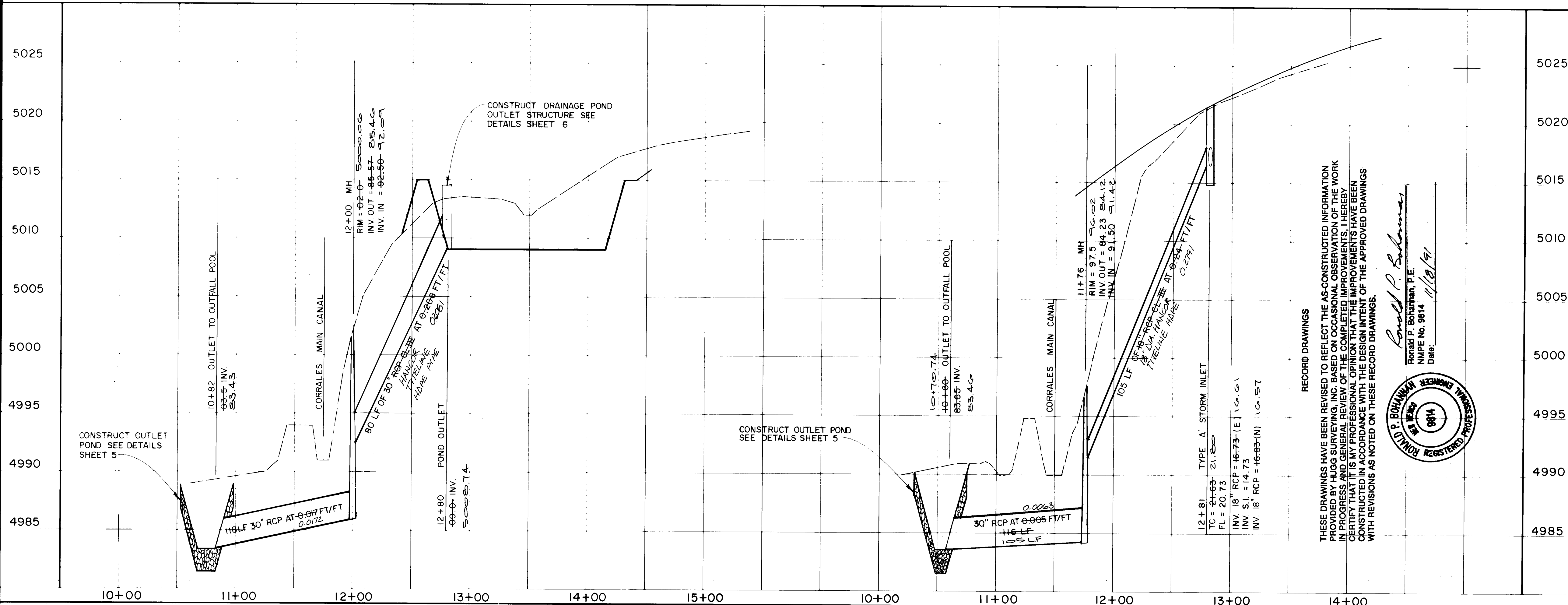
PROJECT NO. SC5-90-6
DRB 90-121 MAP
C.O.A. 4266.90 B.C.P.W.D. CZ 90-10 NO. C-13

SHEET 18 OF 28



CONTRACTOR SHALL COORDINATE WITH M.R.G.C.D. FOR UTILITY INSTALLATIONS ACROSS CORRALES MAIN CANAL.

CONTRACTOR SHALL ARRANGE WITH OWNERS FOR CATTLE TO BE REMOVED FROM THE WORK AREA OR PROVIDE TEMPORARY FENCING TO PREVENT CATTLE FROM ENTERING THE WORK AREA/TRENCH DURING CONSTRUCTION.



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CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/B
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS

STORM DRAIN OUTFALLS
IRVING BLVD. & TRACT 3F POND

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
D.R.C. CHAIR	<i>[Signature]</i>	8-29-91	WATER	<i>[Signature]</i>
TRANS. DEV.	<i>[Signature]</i>	8-29-91	WASTE WATER	<i>[Signature]</i>
HYDROLOGY	NA		AMAFCA	<i>[Signature]</i>

PROJECT NO.	SC5-90-6 DRB 90-121	MAP	SHEET	OF
C.O.A. 4266.90	B.C.P.W.D. 02 90-10	NO. C-13	19	28

AS-BUILT INFORMATION

ON-TRACTOR: JAYNES CORP.
WORK: HUGG SURVEY
DATE: 11/81
SCALE: AS SHOWN
HUGG SURVEY 11/81

BENCH MARKS

NM 448-NIO ELEV. 5045.513
NMSHC BRASS TABLET LOCATED APPROX. 1270' NORTH OF IRVING BLVD. CENTERLINE & 72' EAST OF COORS RD CENTERLINE

SURVEY INFORMATION

FIELD NOTES

NO. BY DATE

ENGINEERS SEAL

Ronald P. Bohannon, P.E.
N.M.P.E. No. 9814
Date: 11/19/91

REMARKS

DESIGN

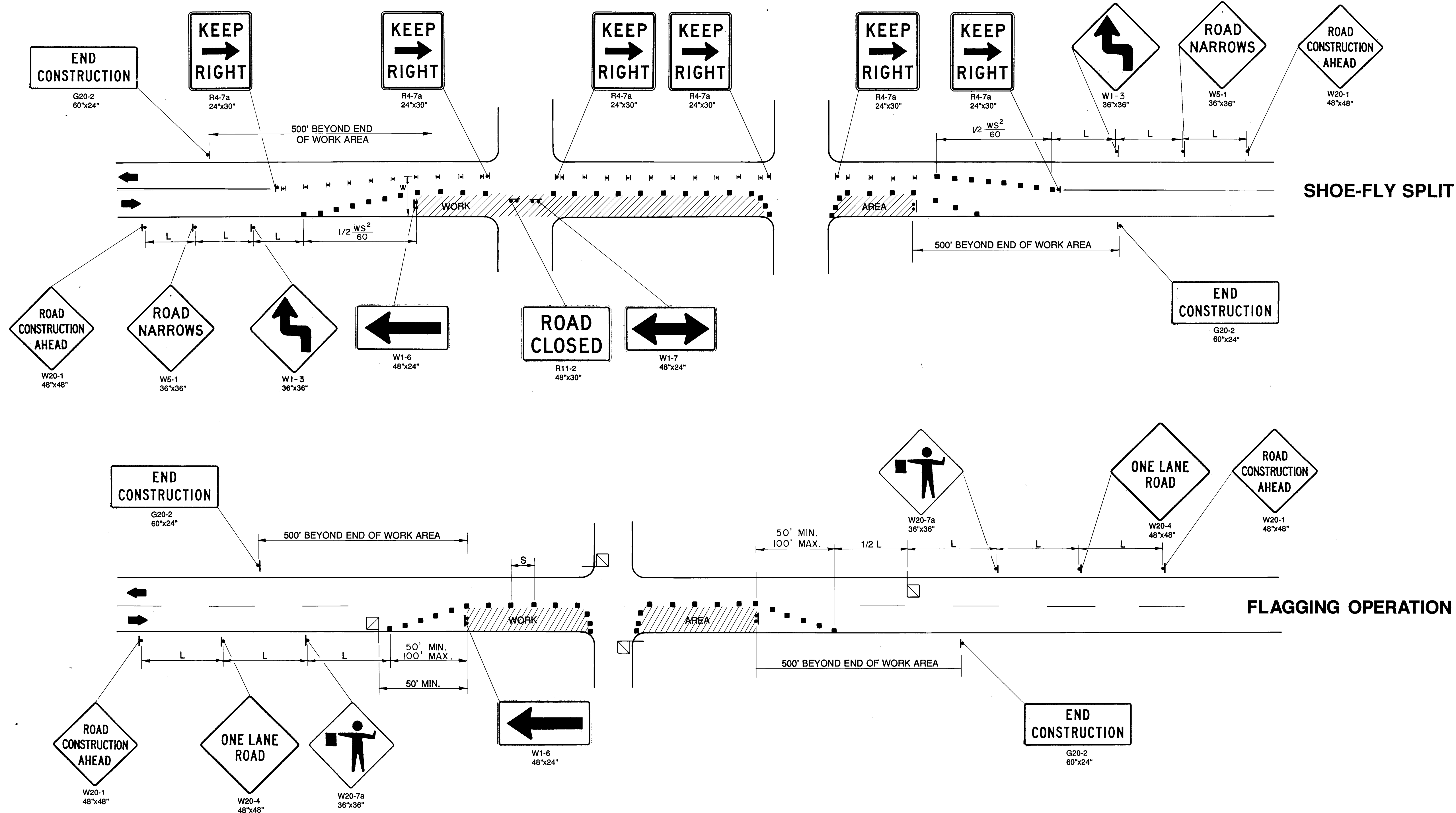
NO. DATE

DESIGNED BY: RPB
DRAWN BY: DEC
CHECKED BY: REF

DATE: 6-91
DATE: 6-91
DATE: 6-91

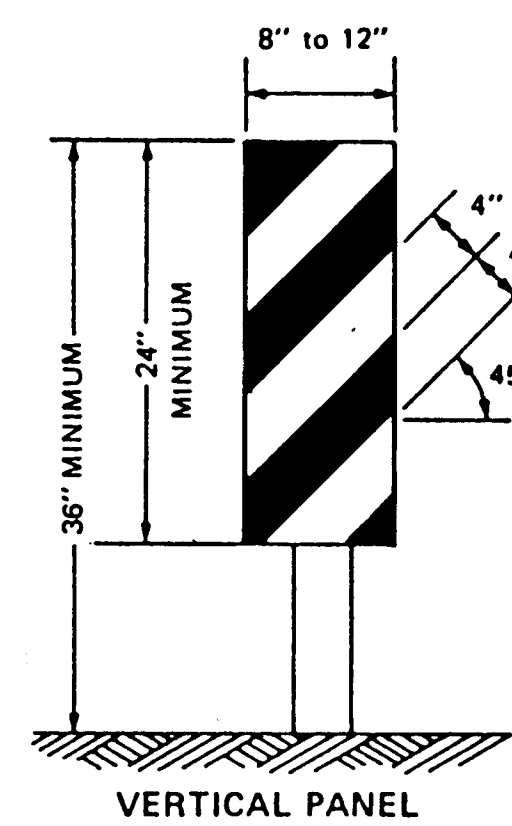
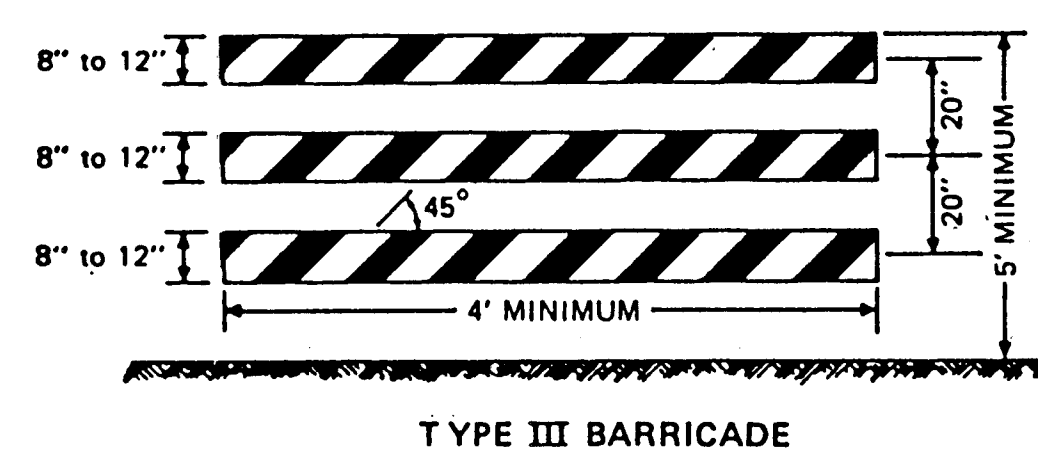
SCANNED BY
BY LASON

1" = 50' HORZ.
1" = 5' VERT.



LEGEND

- ➔ INDICATES DIRECTION OF TRAFFIC FLOW
- ◻ FLAGMAN
- BARRICADE - TYPE I, TYPE II, OR A BARREL
- ⊥ SIGN
- ⊥ VERTICAL PANEL
- ⊥ BARRICADE - TYPE III
- L = DISTANCE BETWEEN ADVANCE WARNING SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO TEN TIMES THE SPEED LIMIT
- S = SPACING BETWEEN BARRICADES - MAXIMUM SPACING TO BE A VALUE MEASURED IN FEET EQUAL TO THE SPEED LIMIT



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ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS

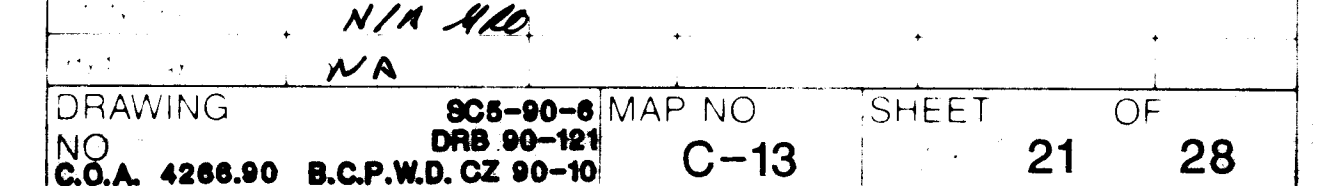
TYPICAL TRAFFIC CONTROL STRATEGIES

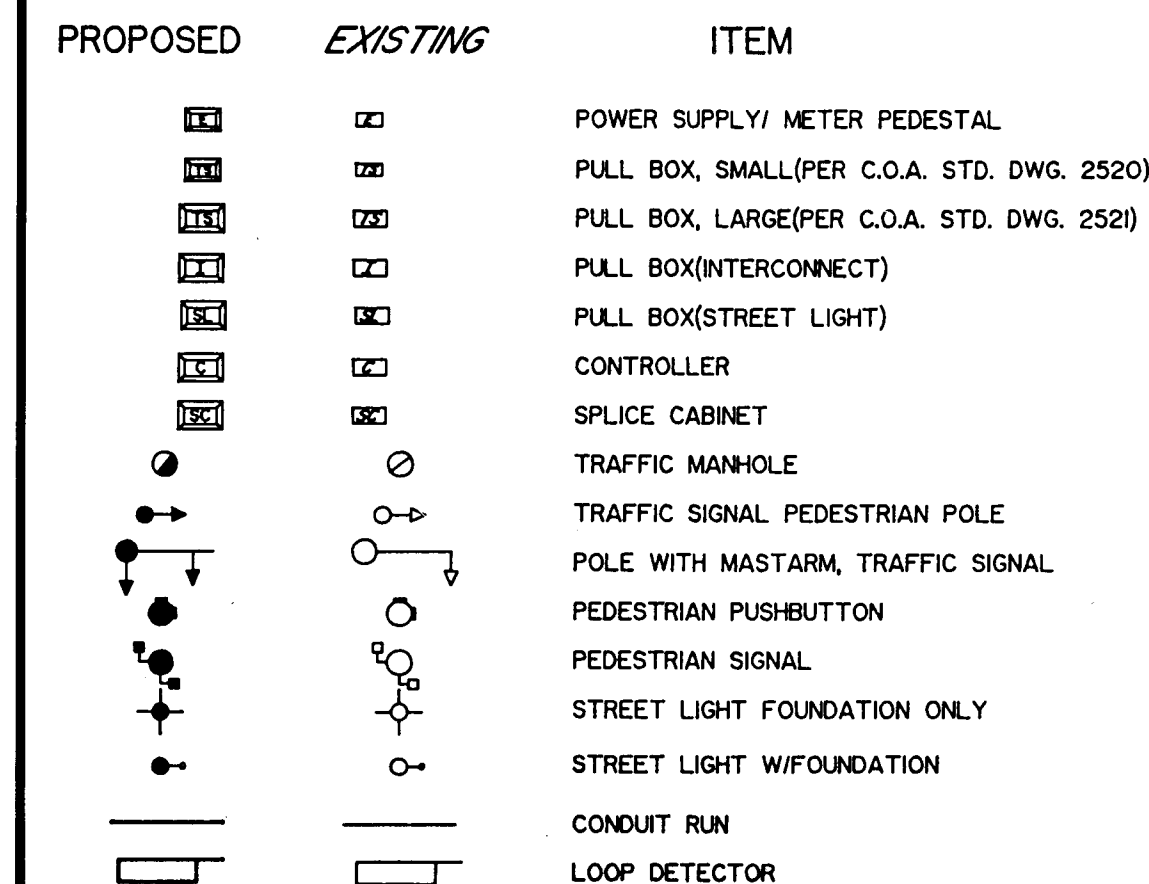
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	<i>[Signature]</i>	8-20-91	WATER	<i>[Signature]</i>	8-22-91
TRANS. DEV.	<i>[Signature]</i>		WASTE WATER		
HYDROLOGY	<i>[Signature]</i>		CONSTR. COORD.		

PROJECT NO.	SC5-90-6	MAP	SHEET
C.O.A. 4266.90	DRB 90-121	NO. C-13	OF 28

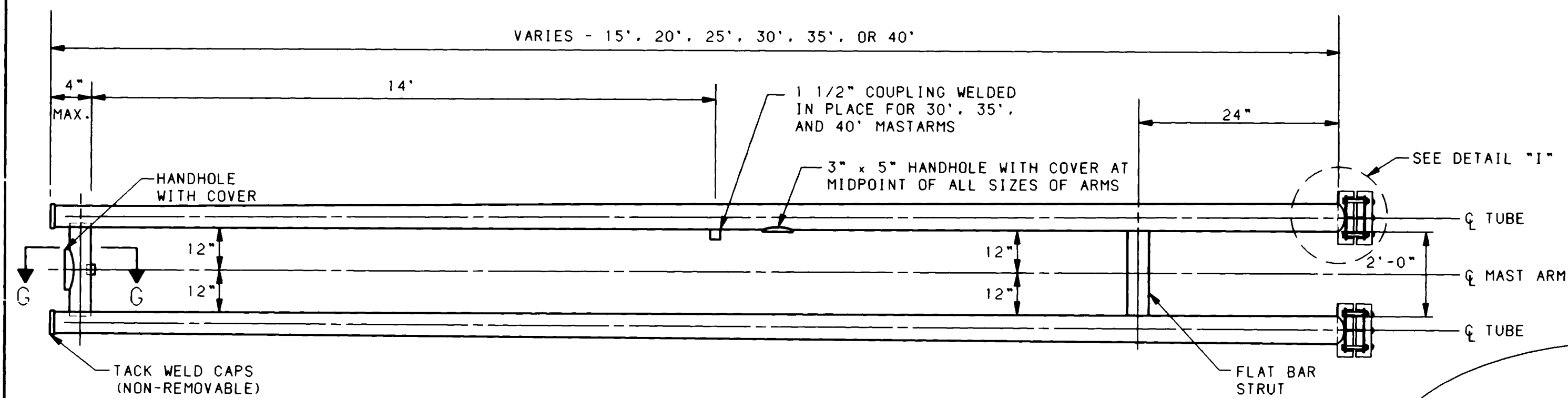
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL		REVISIONS		BY	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORKED BY											
INSPECTED BY											
ACCEPTANCE BY											
VERIFICATION BY											
DRAWINGS BY											
RECORDS BY											
NO.											

SCANNED BY
BY LASON

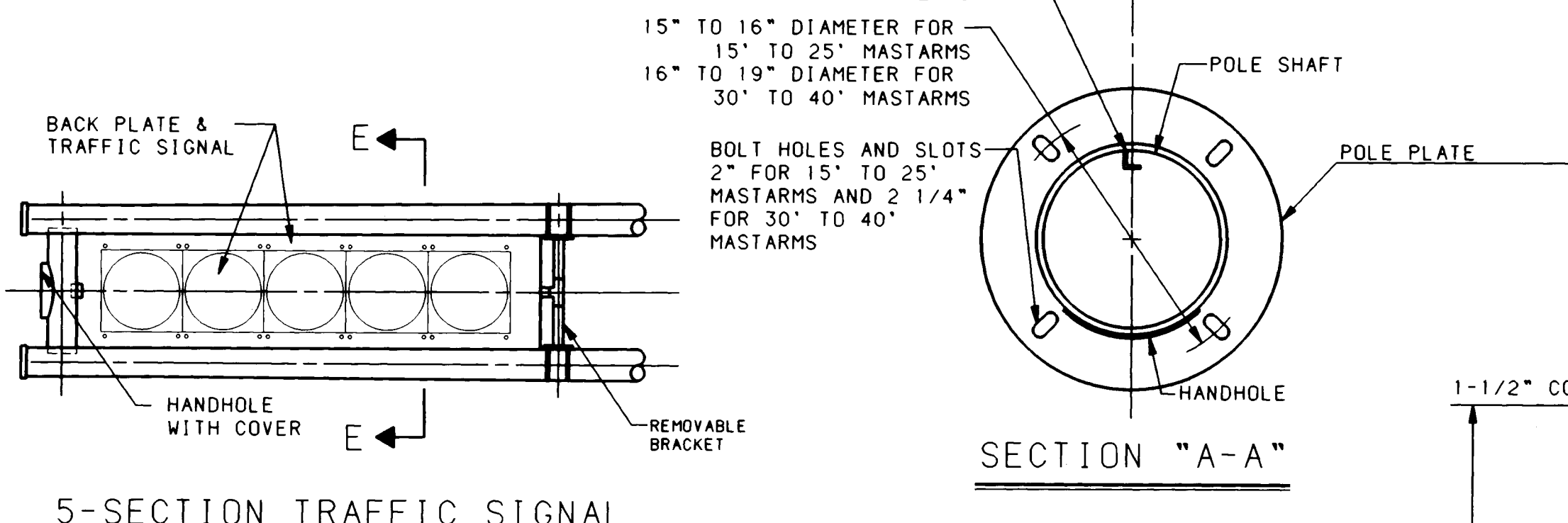
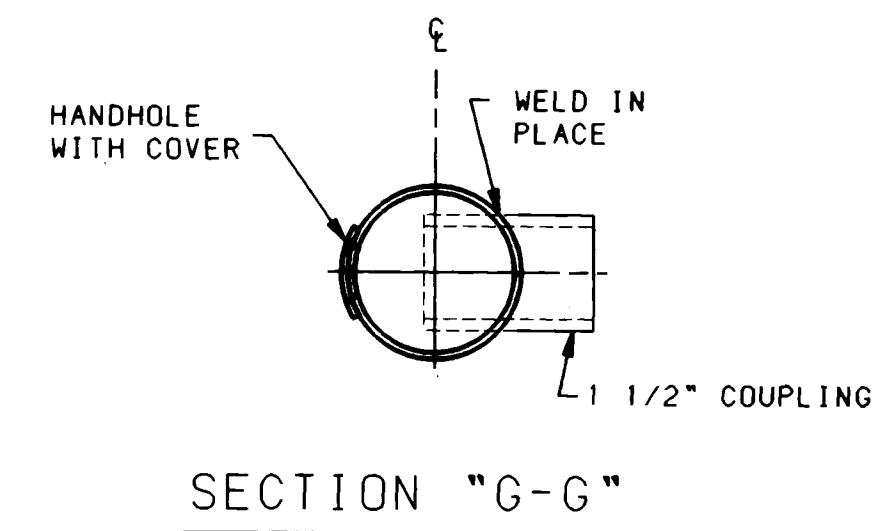
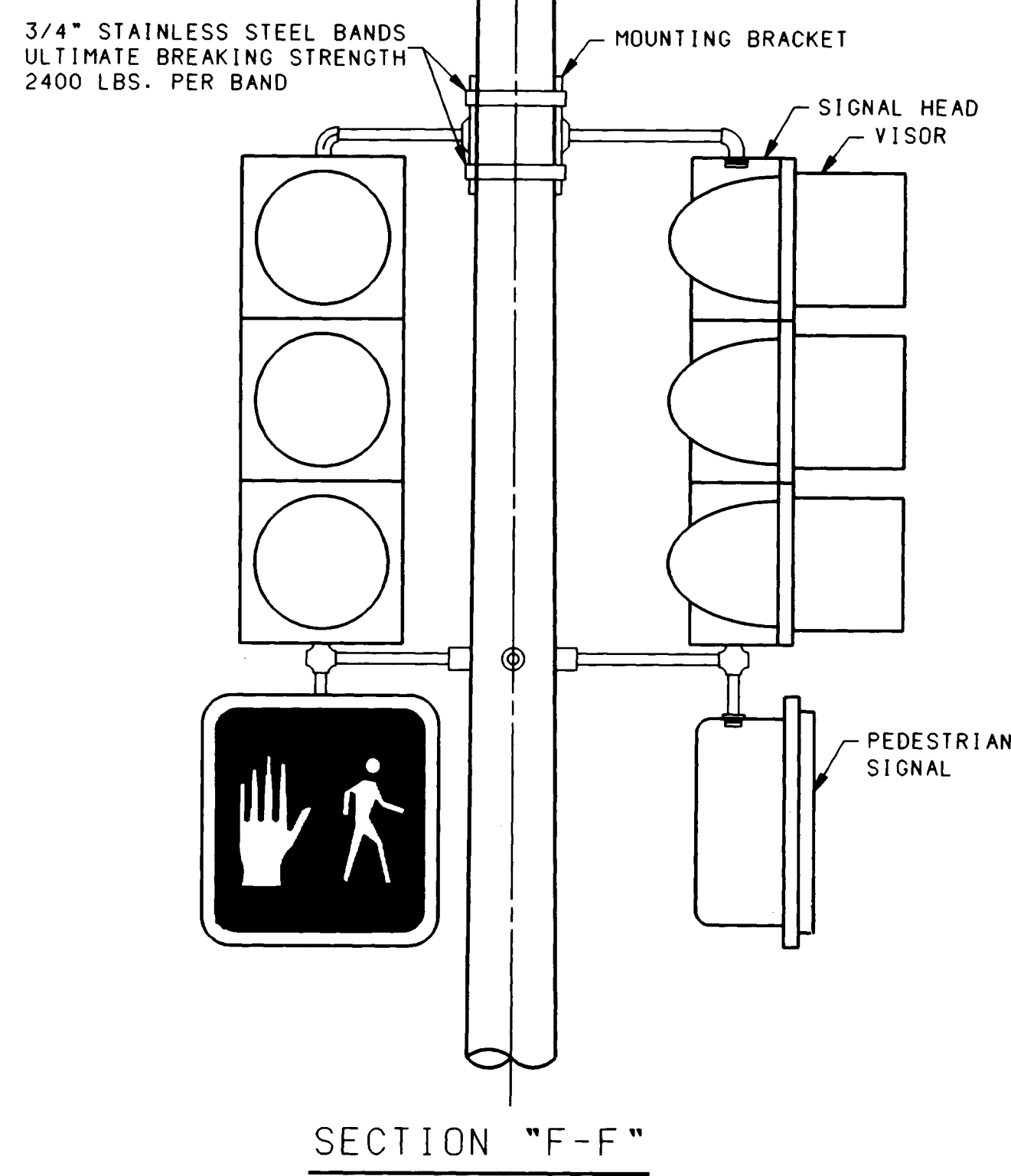
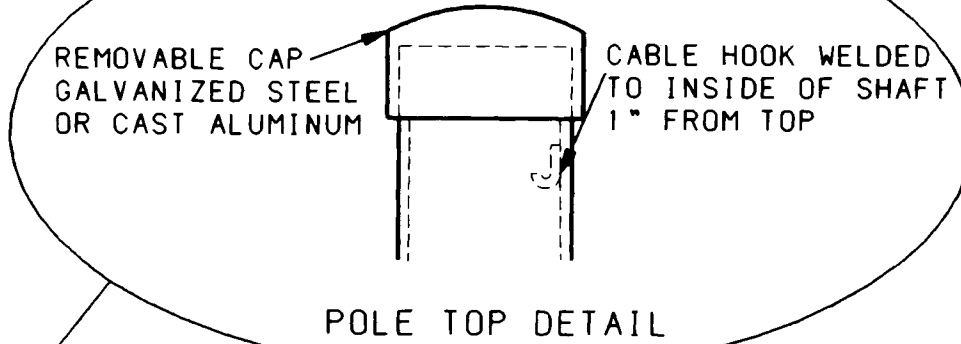
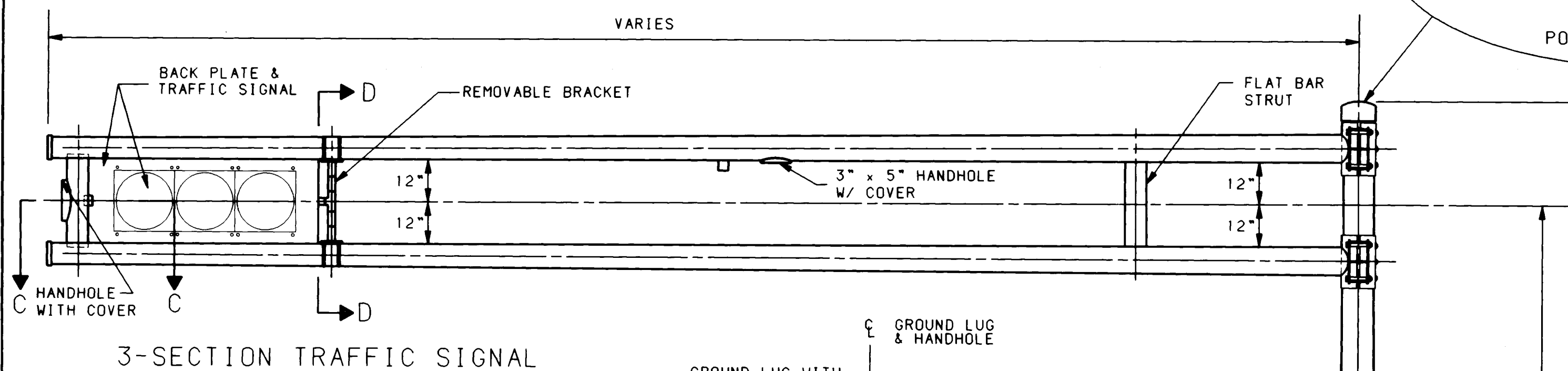
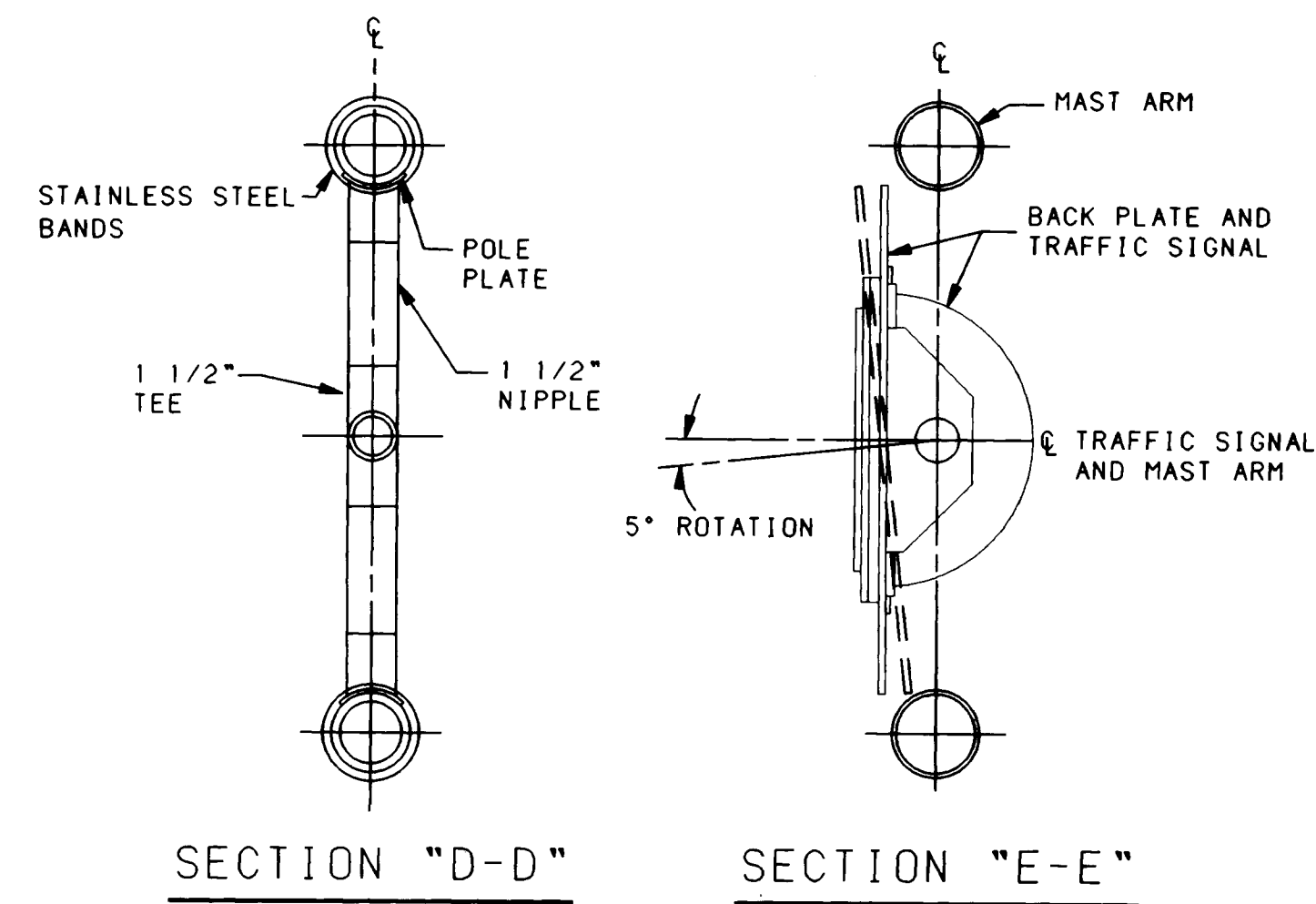
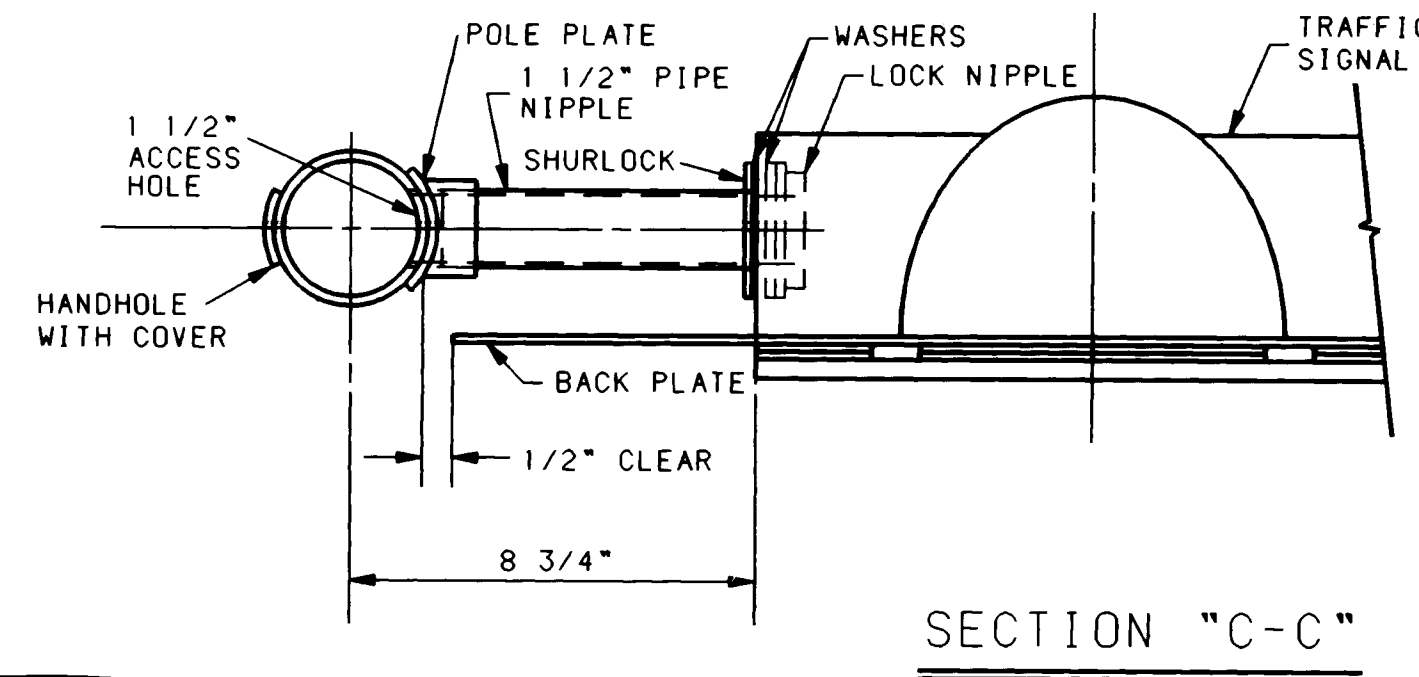




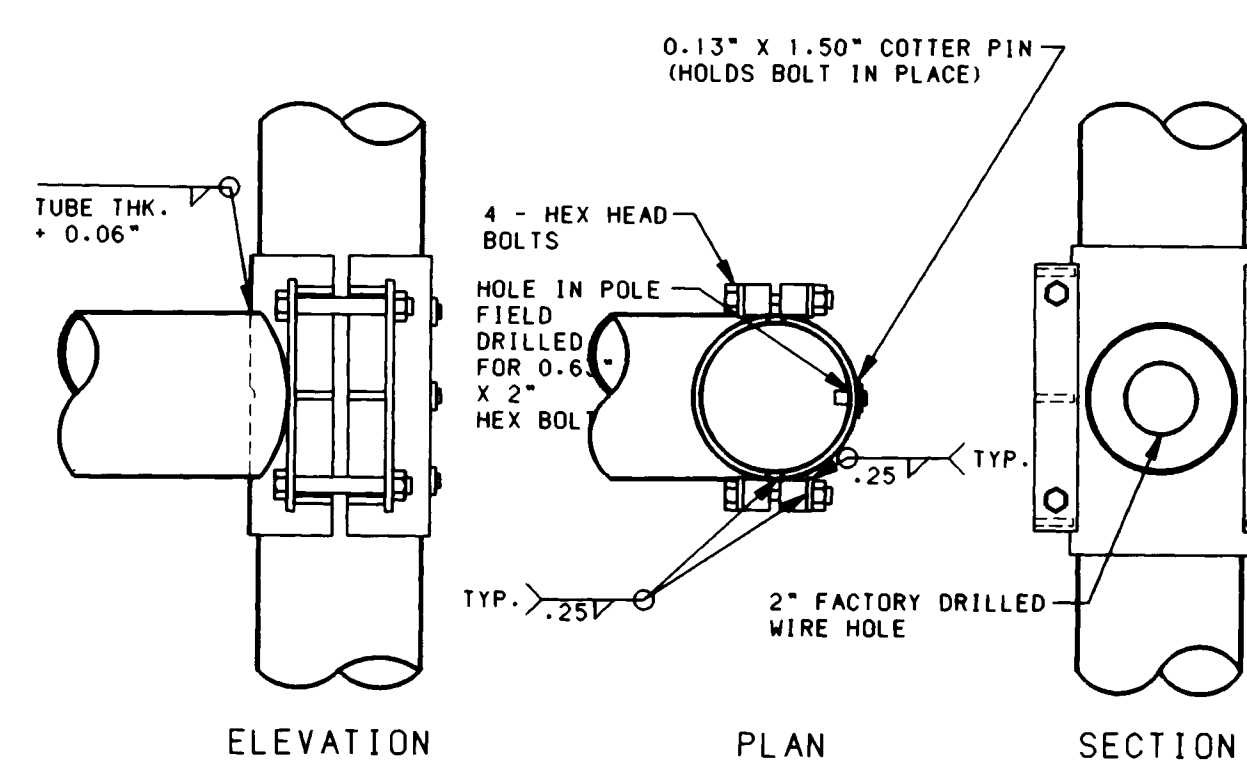
SCANNED BY
BY LASON



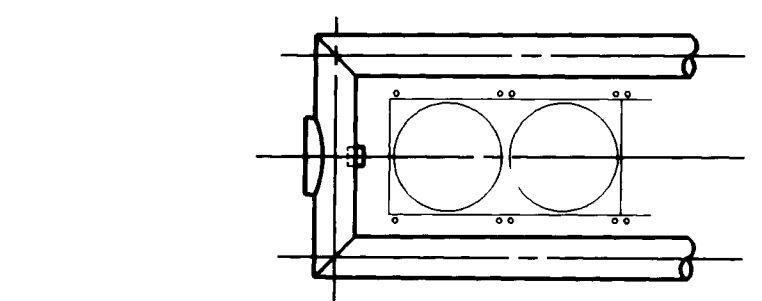
MAST ARM TYPICAL
SEE TABLE FOR DIMENSIONS



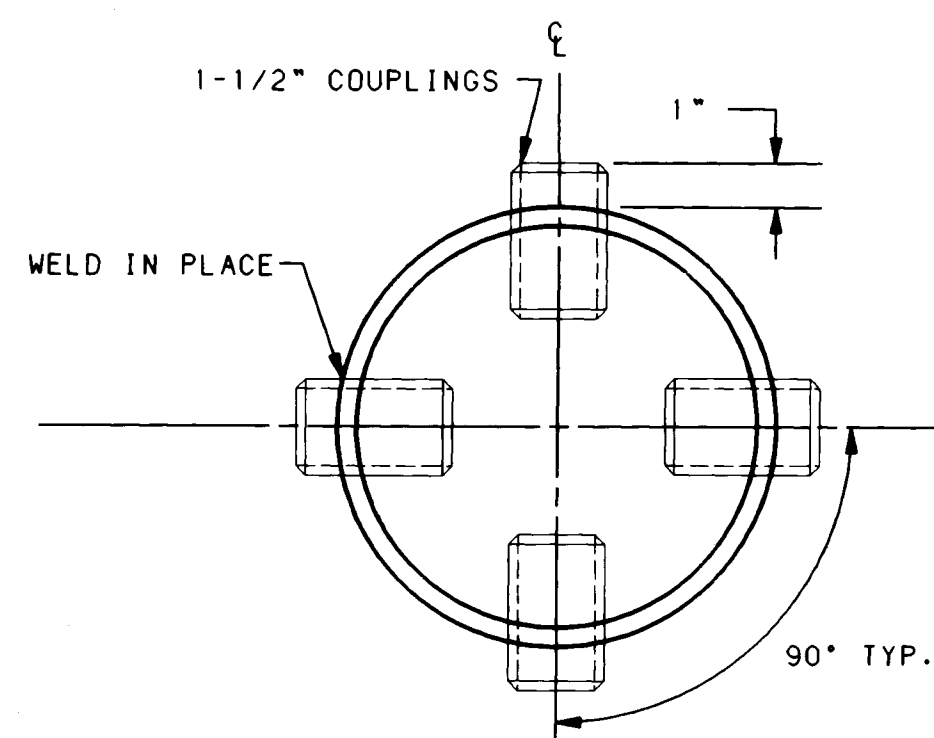
5-SECTION TRAFFIC SIGNAL



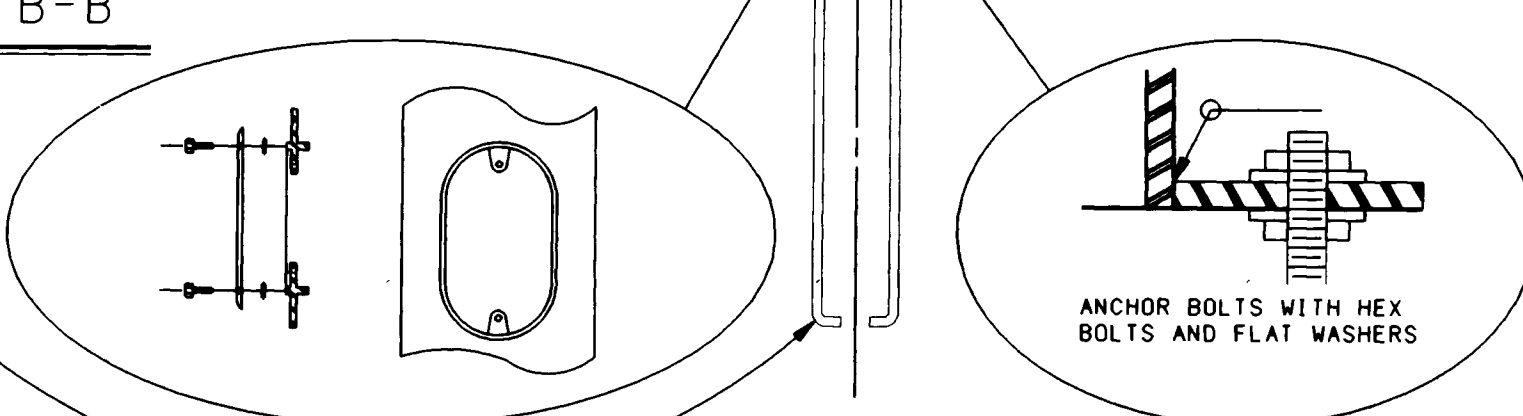
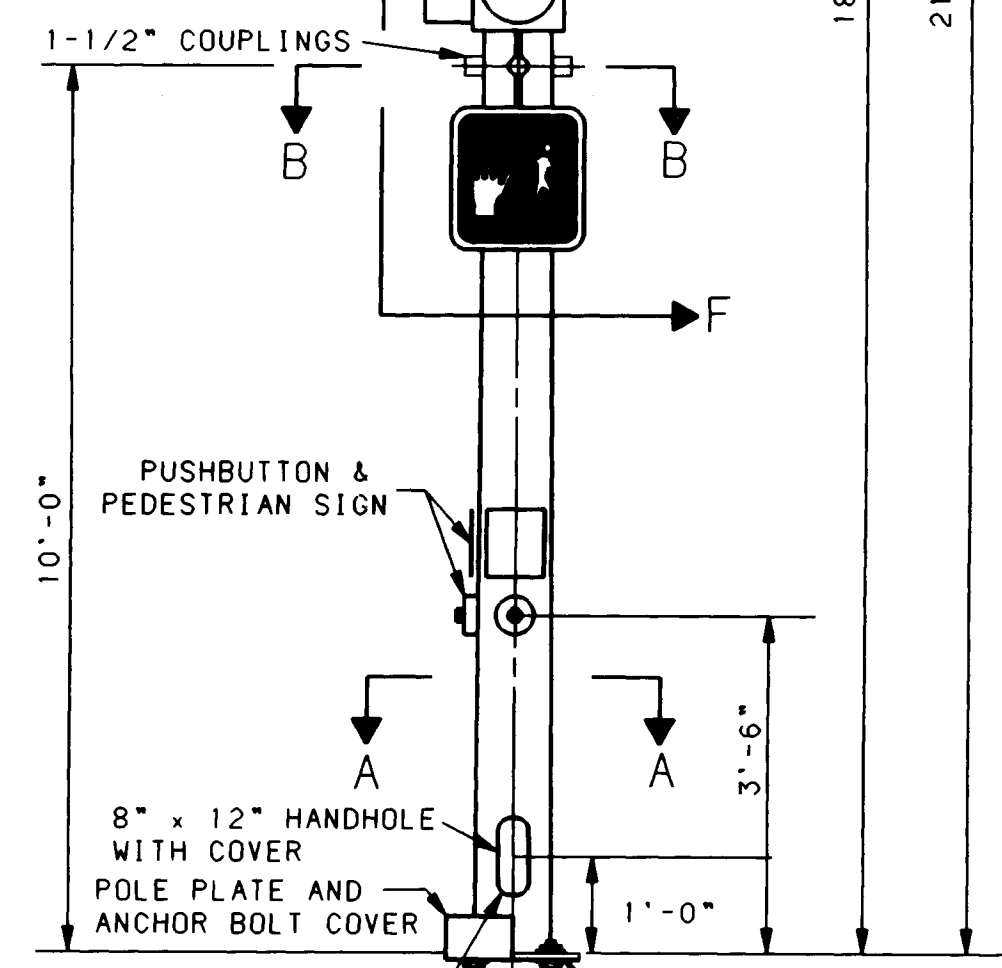
ELEVATION PLAN SECTION
ONE SIZE ARM CLAMP FOR 15' TO 25' MASTARMS WILL BE ALLOWED
AND ONE SIZE FOR 30' TO 40' MASTARMS



MITERED ARM END (OPTIONAL)



SECTION "B-B"

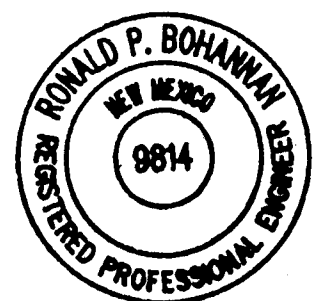


NOTES

- DESIGN IN ACCORDANCE WITH 1985 AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS FOR AN 80 MPH WIND ZONE.
- POLES AND ARM SHAFTS SHALL CONFORM TO ASTM A-570 (45,000 PSI MAX + 1.25 SAFETY FACTOR YIELD).
- ALL POLES AND MASTARMS SHALL BE GALVANIZED TO ASTM A-123.
- BASE PLATE, POLES, AND ARM CONNECTING PLATES AND GUSSETS SHALL BE ASTM A-36.
- ANCHOR BOLTS SHALL BE ASTM A-36 MDD 55.
- ALL STRUCTURAL CONNECTING BOLTS SHALL BE ASTM A-325, GALVANIZED TO ASTM A-153 UNLESS OTHERWISE NOTED.
- WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY SPECIFICATION AWS D1.1, LATEST EDITION. ALL WELDS SHALL BE FREE FROM CRACKS, EXCESSIVE UNDERCUT, AND POROSITY. ANY WELDING DEFECTS SHALL BE REPAIRED BY REMOVING THE DEFECTIVE MATERIAL AND REPLACING IT WITH SOUND WELD MATERIAL.
- ALL HOLES SHALL BE DRILLED AND DEBURRED.

SCANNED BY
BY LASON

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS. I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.



Ronald P. Bohannon, P.E.
NMPE No. 9814
Date: 11/8/91

ANCHOR BOLTS
15', 20', 25' ARM: 1 1/2" X 60" X 6"
30', 35', 40' ARM: 1 3/4" X 60" X 6"

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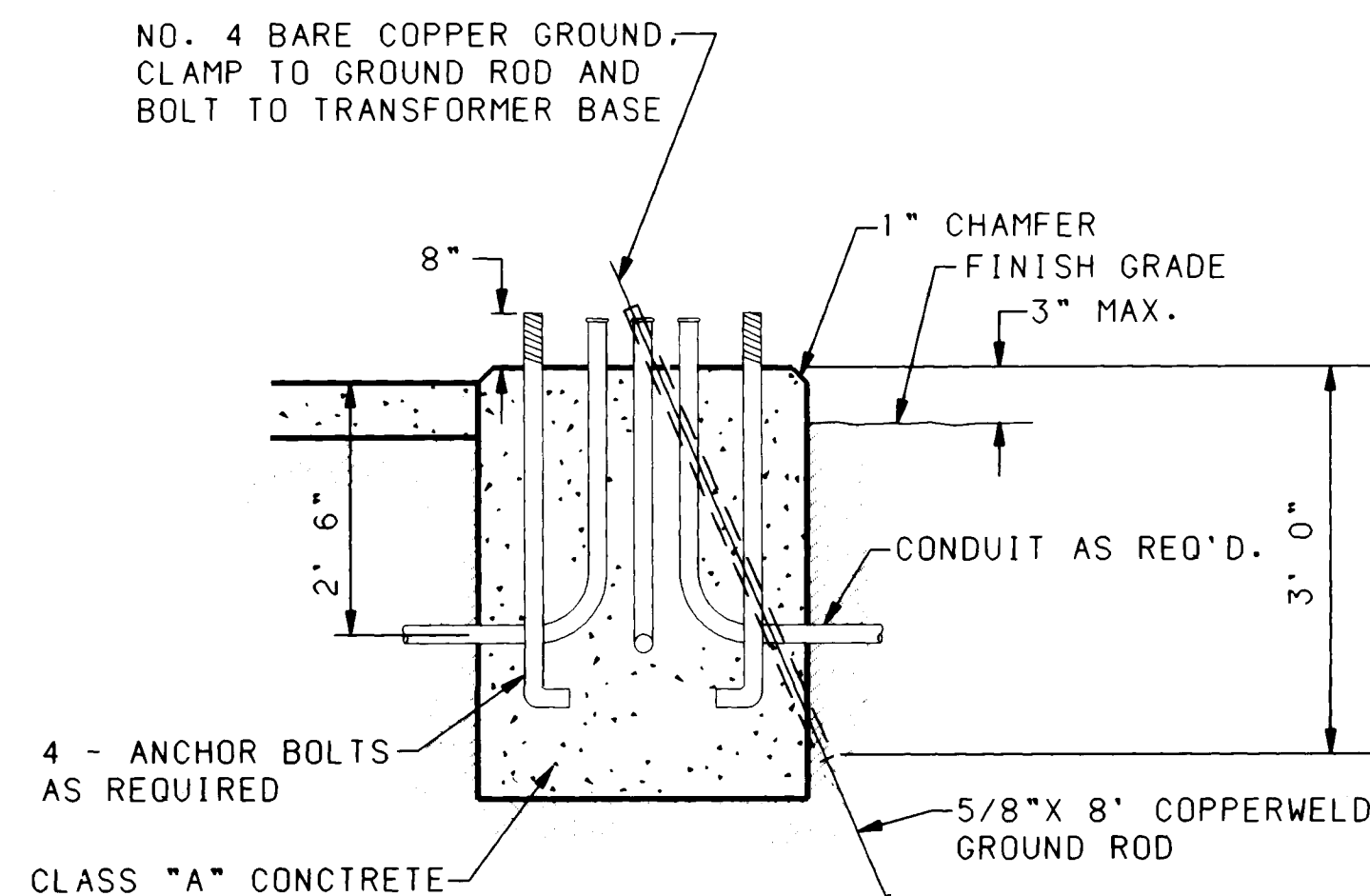
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: BLACK RANCH - TRACT 3 INFRASTRUCTURE IMPROVEMENTS TYPE II STANDARDS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	Ronald P. Bohannon	8-30-91	WATER	N/A	N/A
TRANS. DEV.	R. Bohannon	8-27-91	WASTE WATER	N/A	N/A
HYDROLOGY	N/A		TRAFFIC ENG.	Ronald P. Bohannon	8/19/91
DRAWING NO. 4266-90	SC6-90-6 C.O.A. DRB 90-121	MAP NO. C-13	SHEET 23	OF 28	

RECORD DRAWINGS

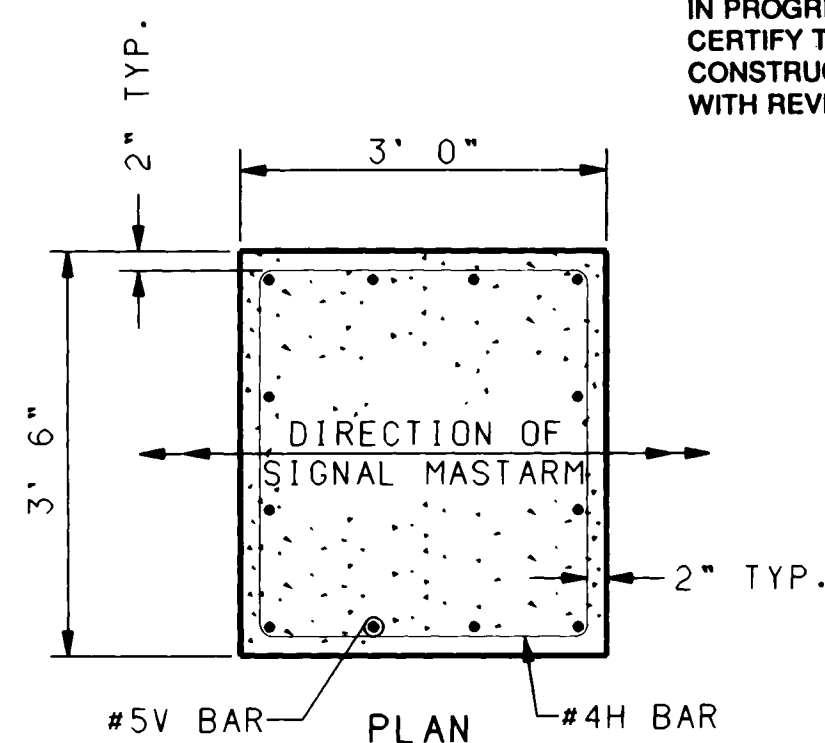
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE AS-CONSTRUCTED INFORMATION PROVIDED BY HUGG SURVEYING, INC. BASED ON OCCASIONAL OBSERVATION OF THE WORK IN PROGRESS AND GENERAL REVIEW OF THE COMPLETED IMPROVEMENTS. I HEREBY CERTIFY THAT IT IS MY PROFESSIONAL OPINION THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED DRAWINGS WITH REVISIONS AS NOTED ON THESE RECORD DRAWINGS.



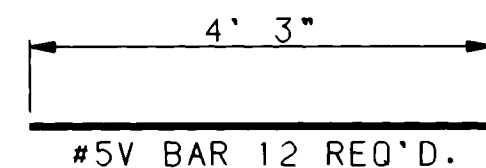
Ronald P. Bohannon, P.E.
NMPE No. 9814
Date: 11/25/91



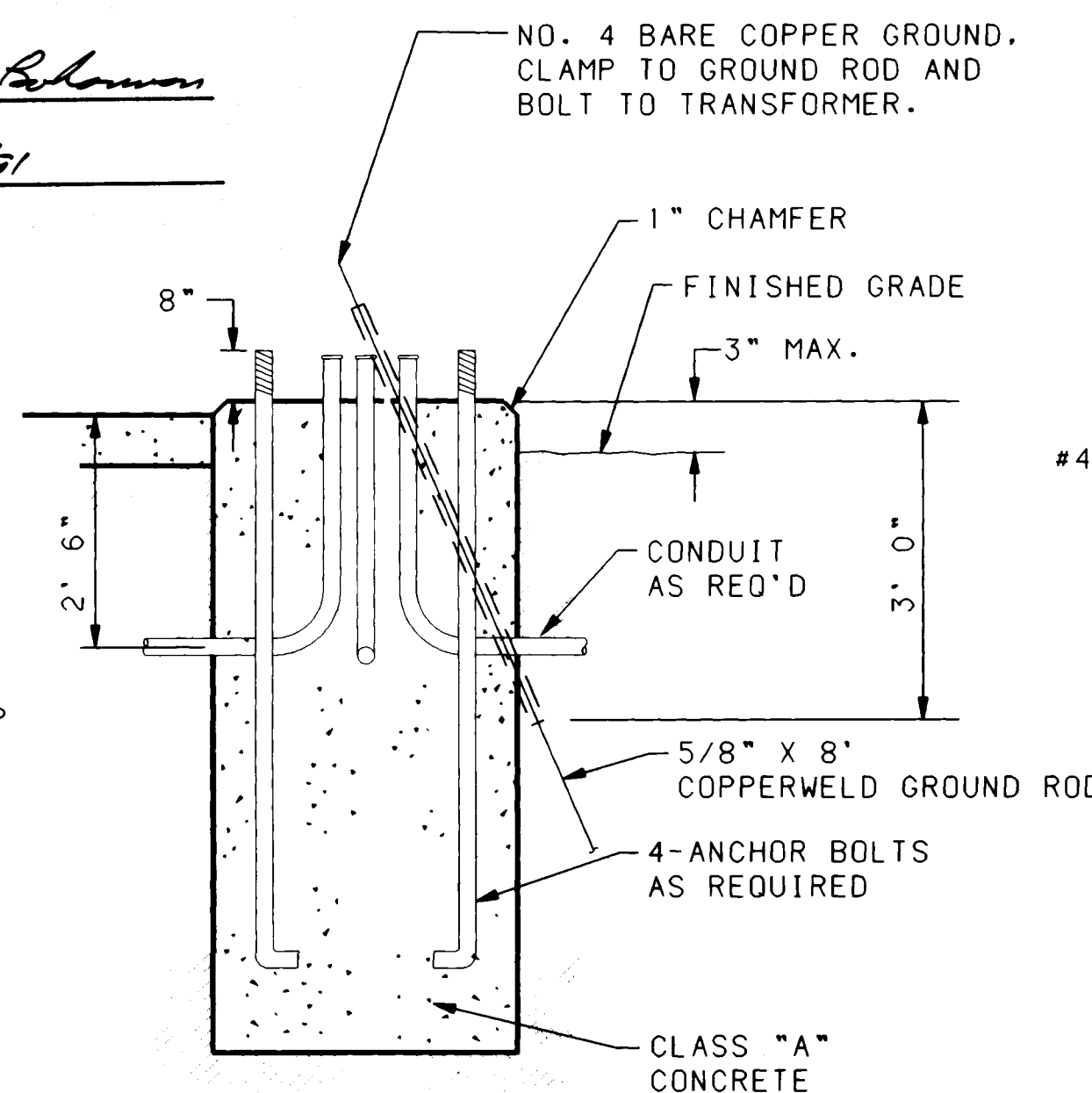
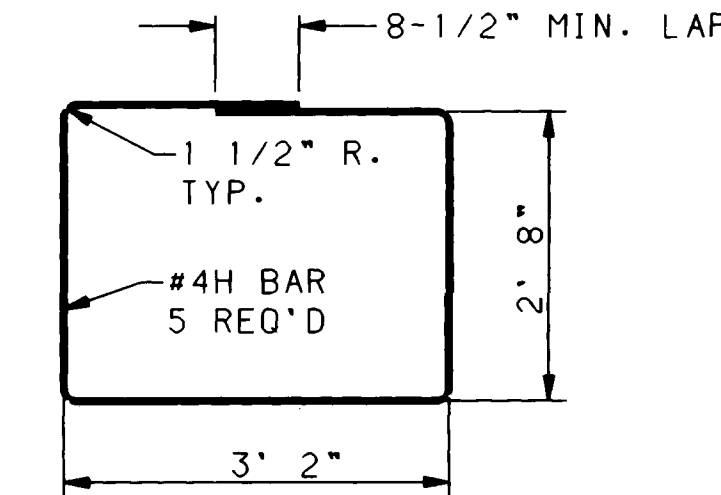
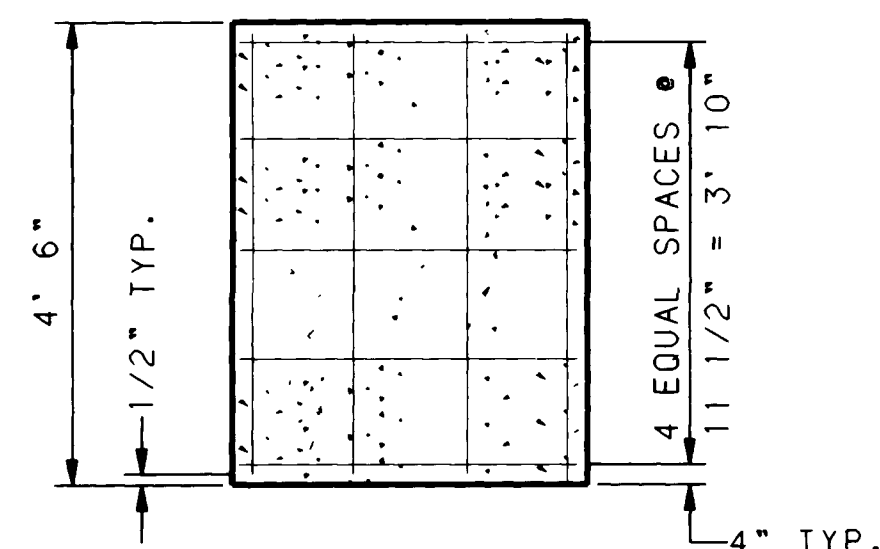
MASTARM FOUNDATION



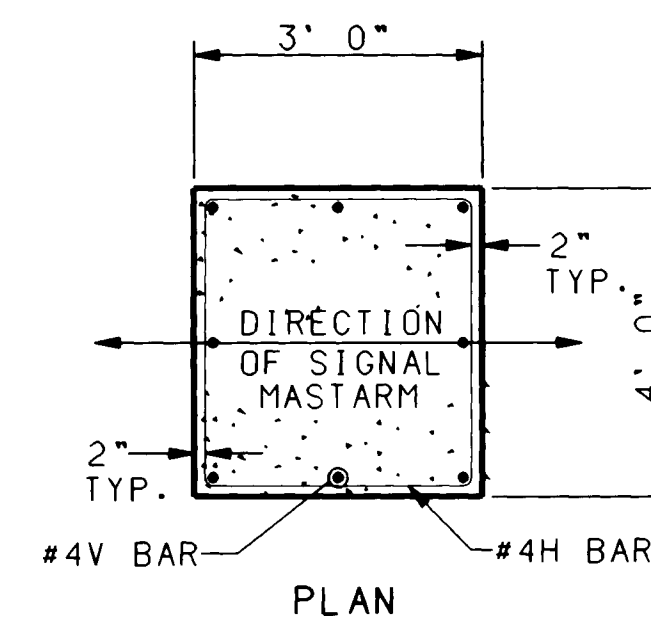
ELEVATION



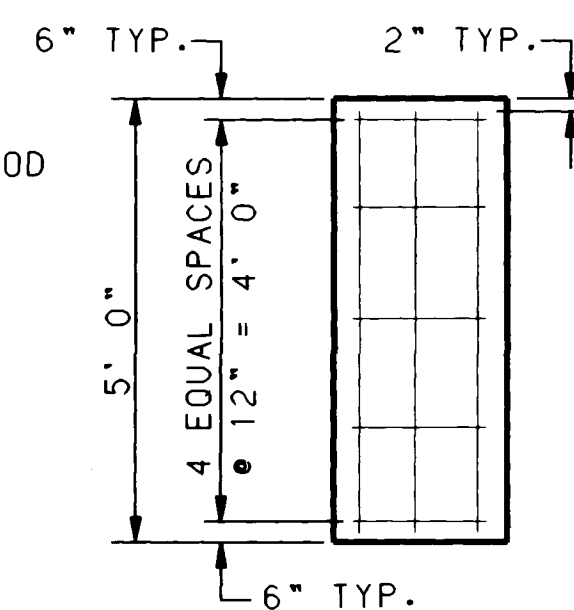
REINFORCING STEEL



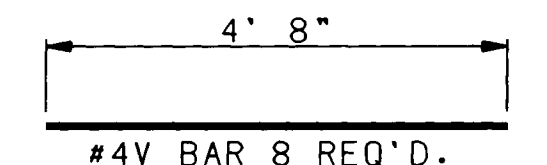
MASTARM FOUNDATION



PLAN



ELEVATION



REINFORCING STEEL

MASTARM (MA) FOUNDATION DETAIL - TYPE II
FOR MA TYPE II STANDARD 15' TO 25' MASTARM LENGTH

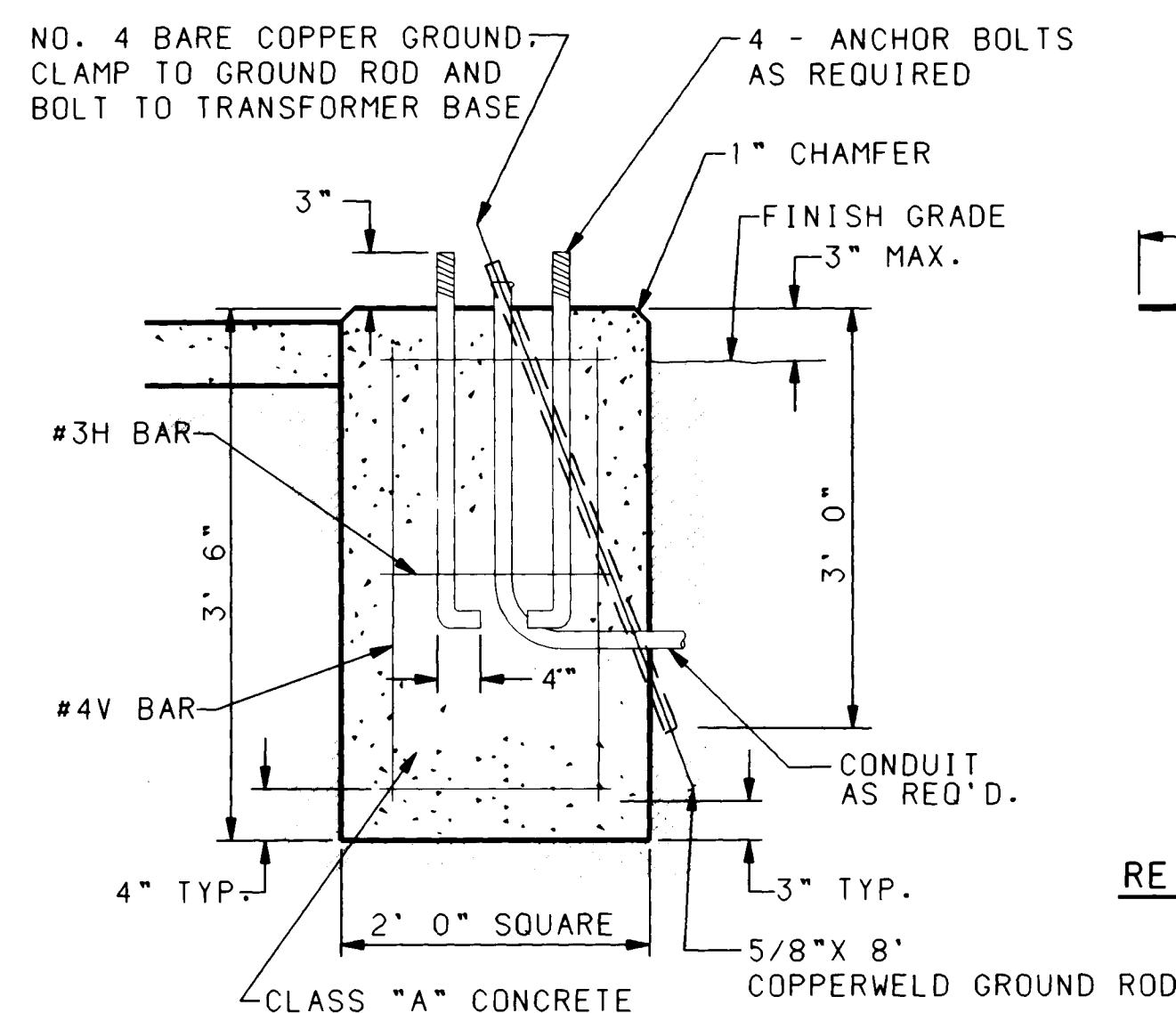
MASTARM (MA) FOUNDATION DETAIL - TYPE I
FOR MA TYPE I STANDARD 30' TO 40' MASTARM

NOTES

- ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS. ALL GROUND RODS SHALL BE 5/8" Ø X 8'-0" AND SHALL BE WRAPPED IN THREE (3) LAYERS OF PIPE INSULATION TAPE OR PLACED THROUGH A 1" Ø PVC CONDUIT. GROUND RODS WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATION BID ITEMS.
- FINISHED GRADE FOR ALL FOUNDATIONS TO BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER.

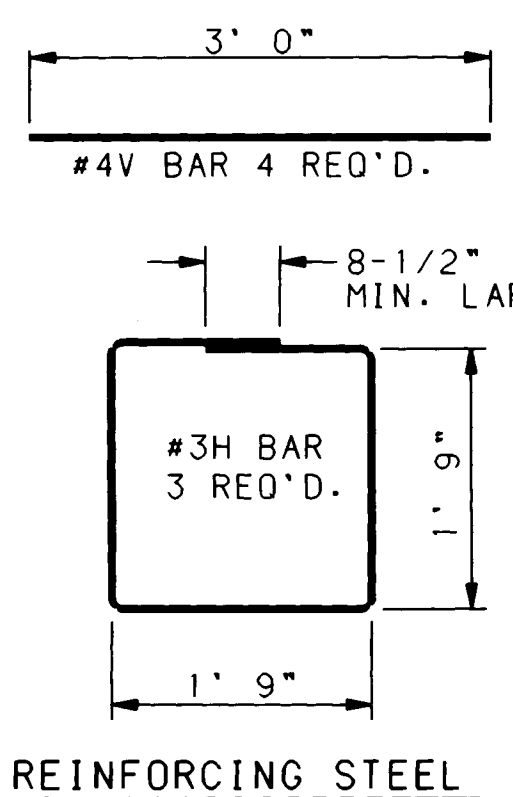
ESTIMATED QUANTITIES (FOR CONTRACTORS INFORMATION ONLY)

FOUNDATION TYPE	CLASS "A" CONC. CUBIC YARDS	REINFORCING BARS POUNDS
MASTARM FOUNDATION TYPE I (FOR 30' TO 40' FOOT TYPE II MASTARMS)	2.22	72
MASTARM FOUNDATION TYPE II (FOR 15' TO 25' FOOT TYPE II MASTARMS)	1.75	94
PEDESTAL FOUNDATION TYPE II FOR TYPE I PEDESTAL POLES, SPLICE CABINETS, AND "G" CABINETS	0.52	17
CONTROLLER FOUNDATION TYPE I (H&P)	1.26	--
CONTROLLER CABINET TYPE II (G)	0.52	17

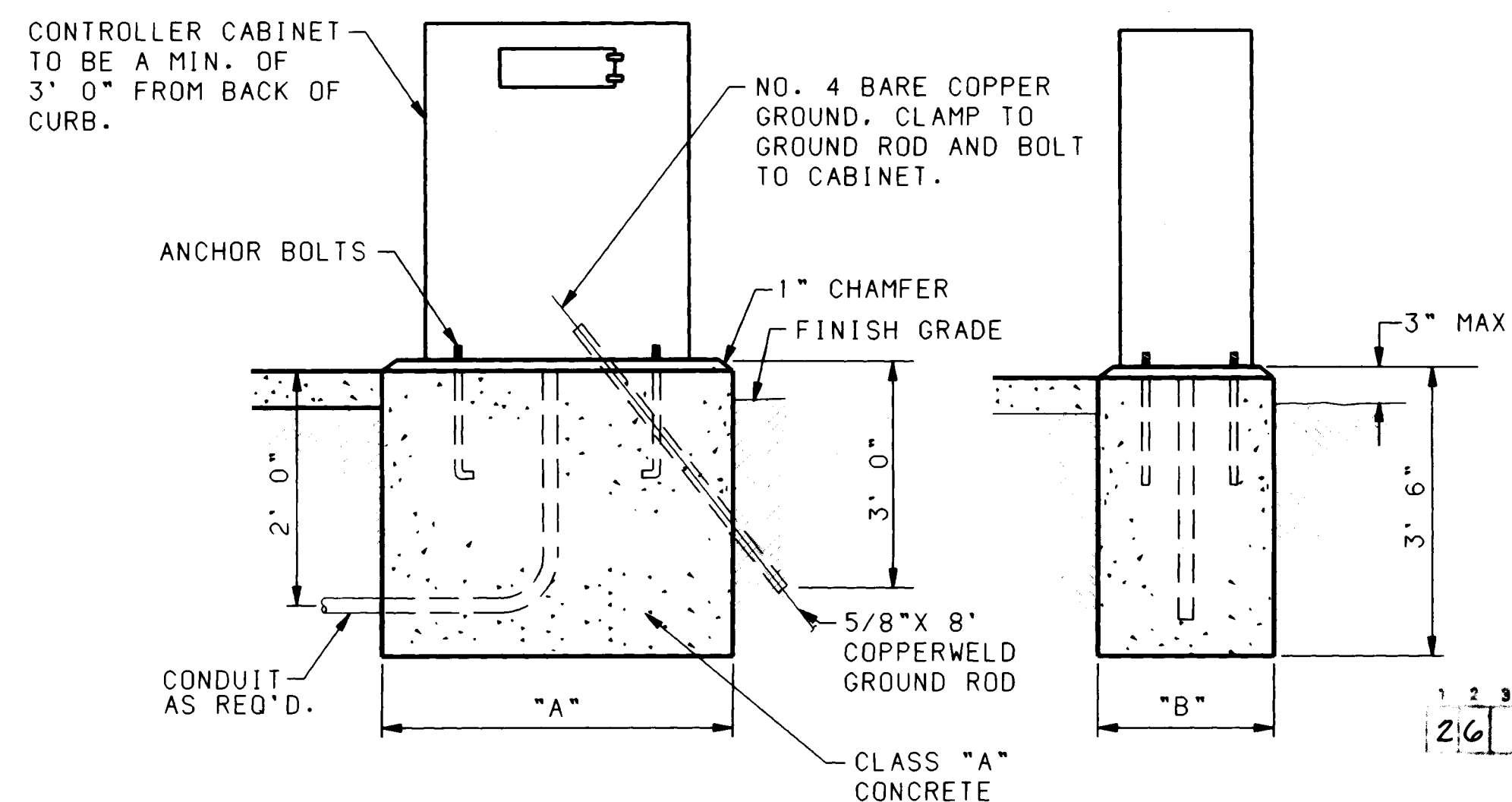


PEDESTAL (SP) FOUNDATION DETAIL - TYPE II

FOR TYPE I PEDESTAL POLES, SPLICE CABINETS, AND "G" CABINETS



REINFORCING STEEL



CONTROLLER FOUNDATION DETAIL

IN THE EVENT THE SUPPLIED CABINET WOULD OVERLAP THE SIDES OF ABOVE FOUNDATION, THE FOUNDATION SHALL BE INCREASED IN SIZE AS DIRECTED BY THE ENGINEER.

CABINET TYPE	"A"	"B"
TYPE I - H & P	4'-2"	2'-4"
TYPE II - G	2'-0"	2'-0"

* USE PEDESTAL (SP) FOUNDATION DETAIL

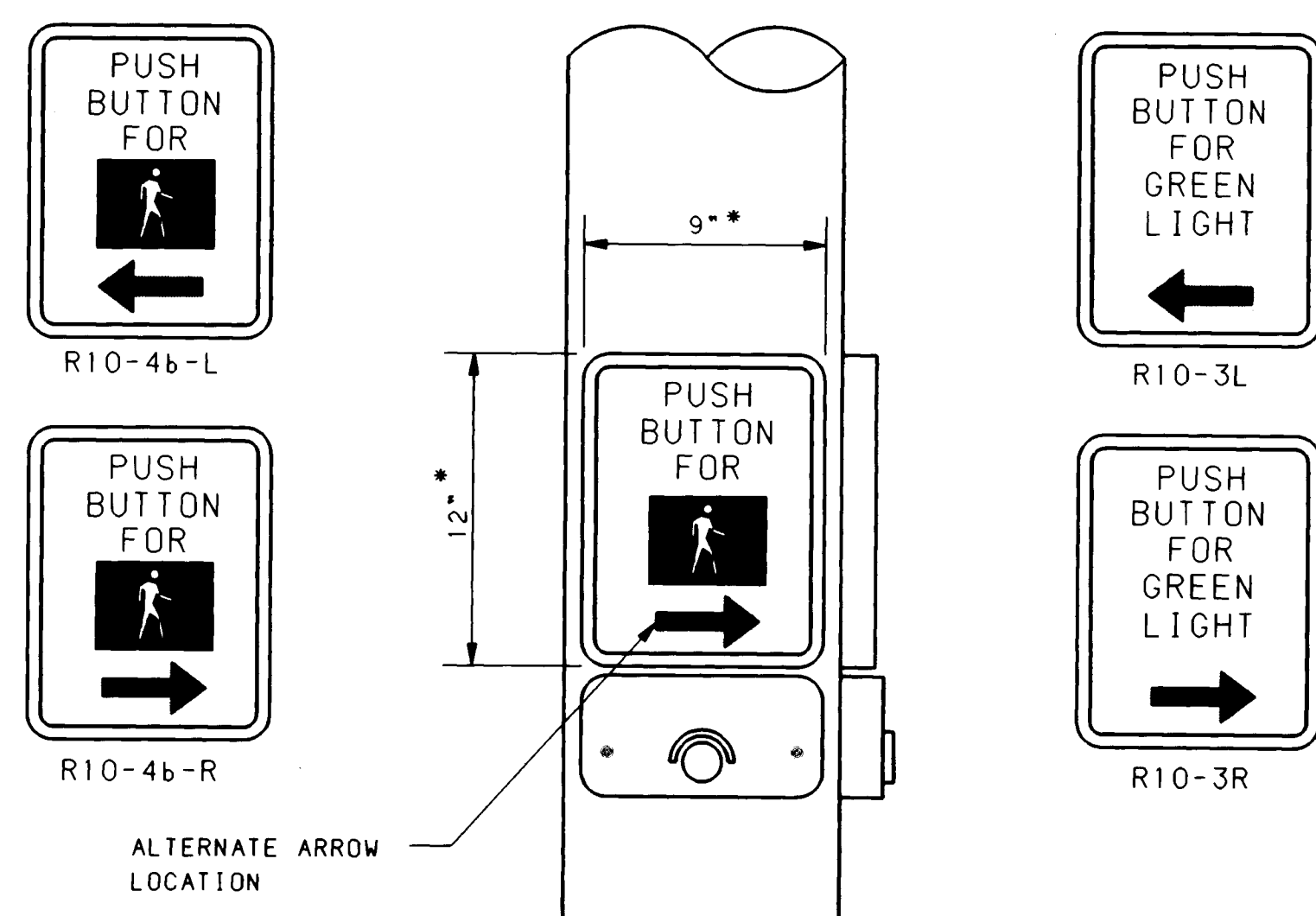
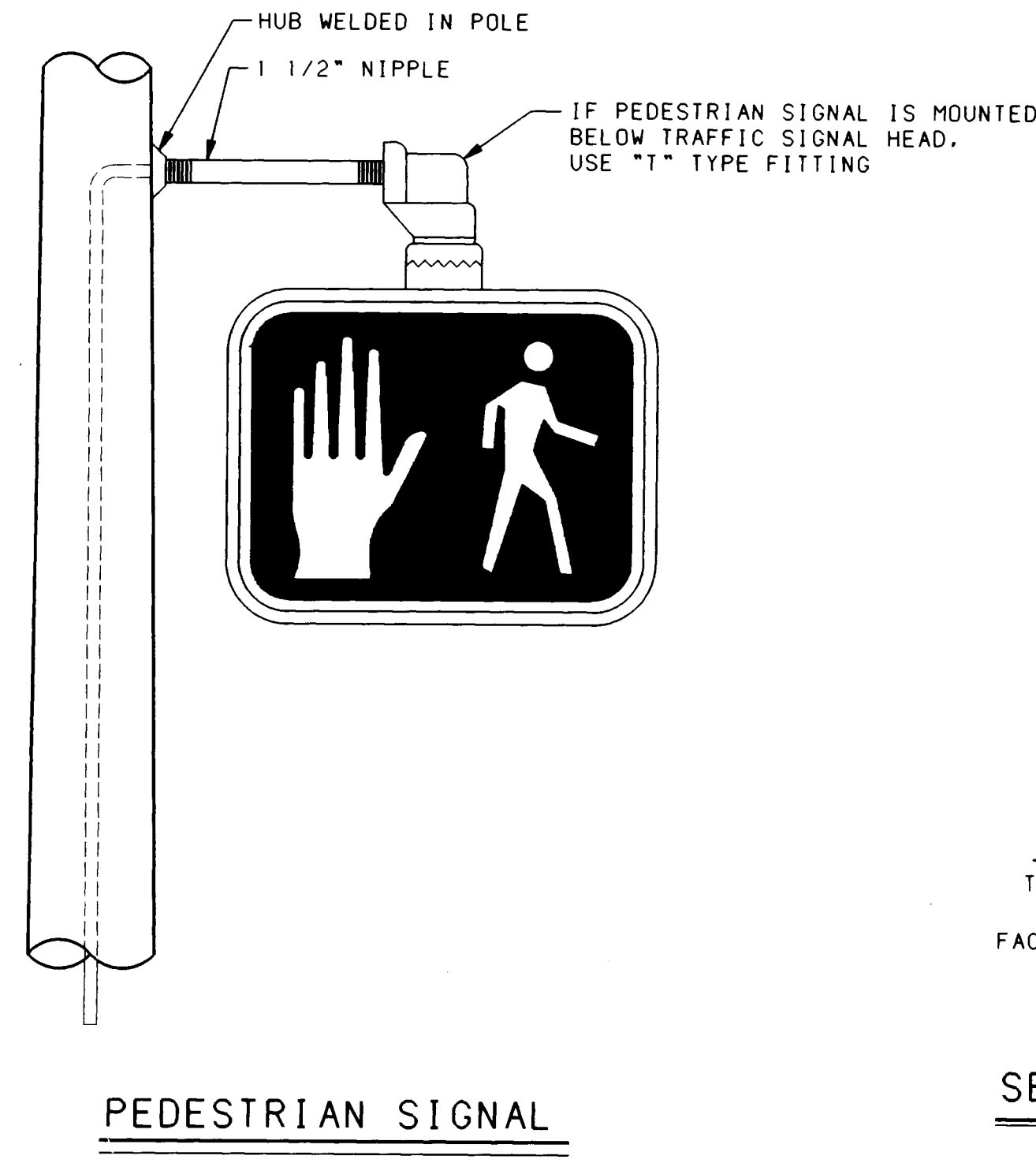
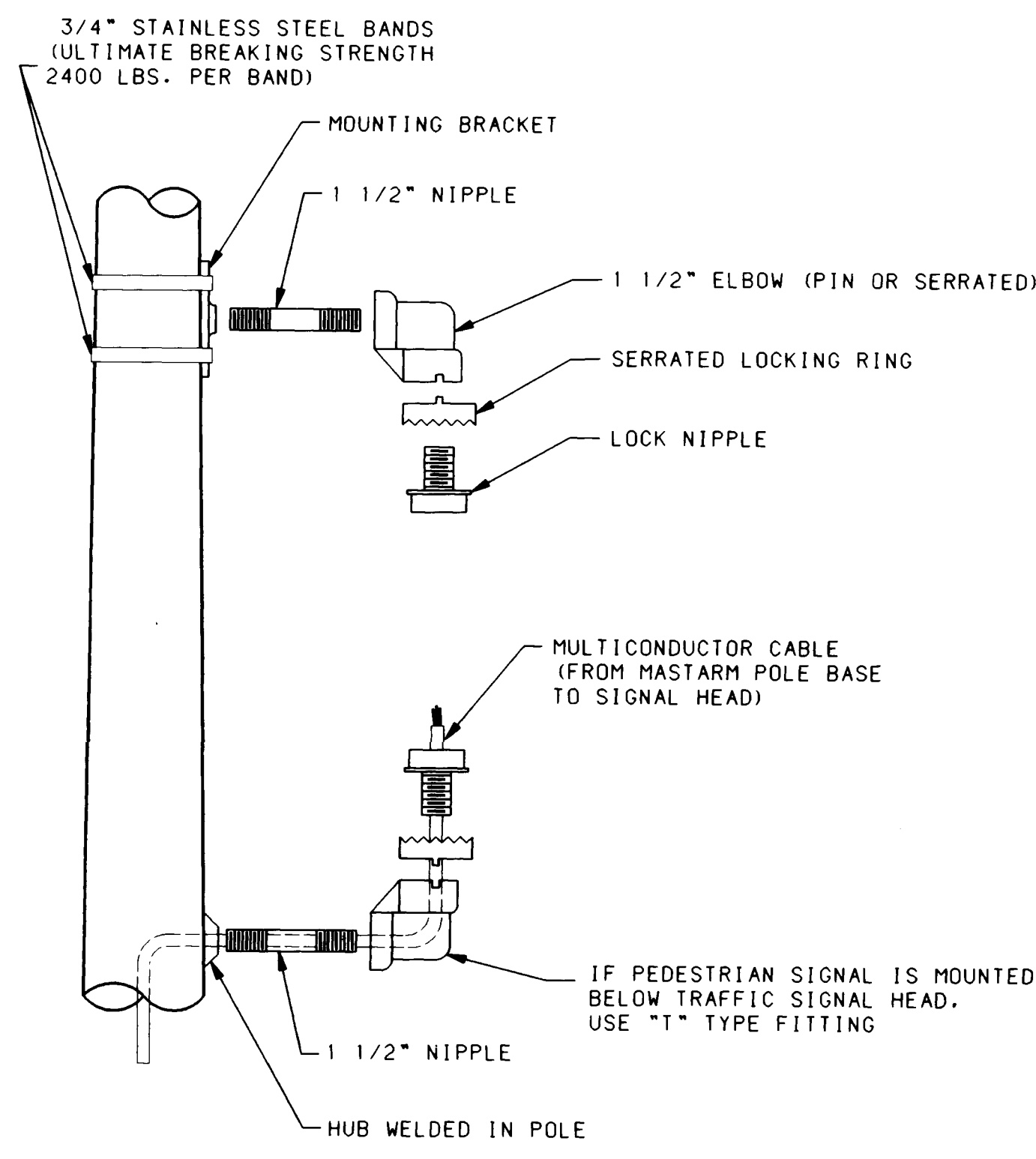
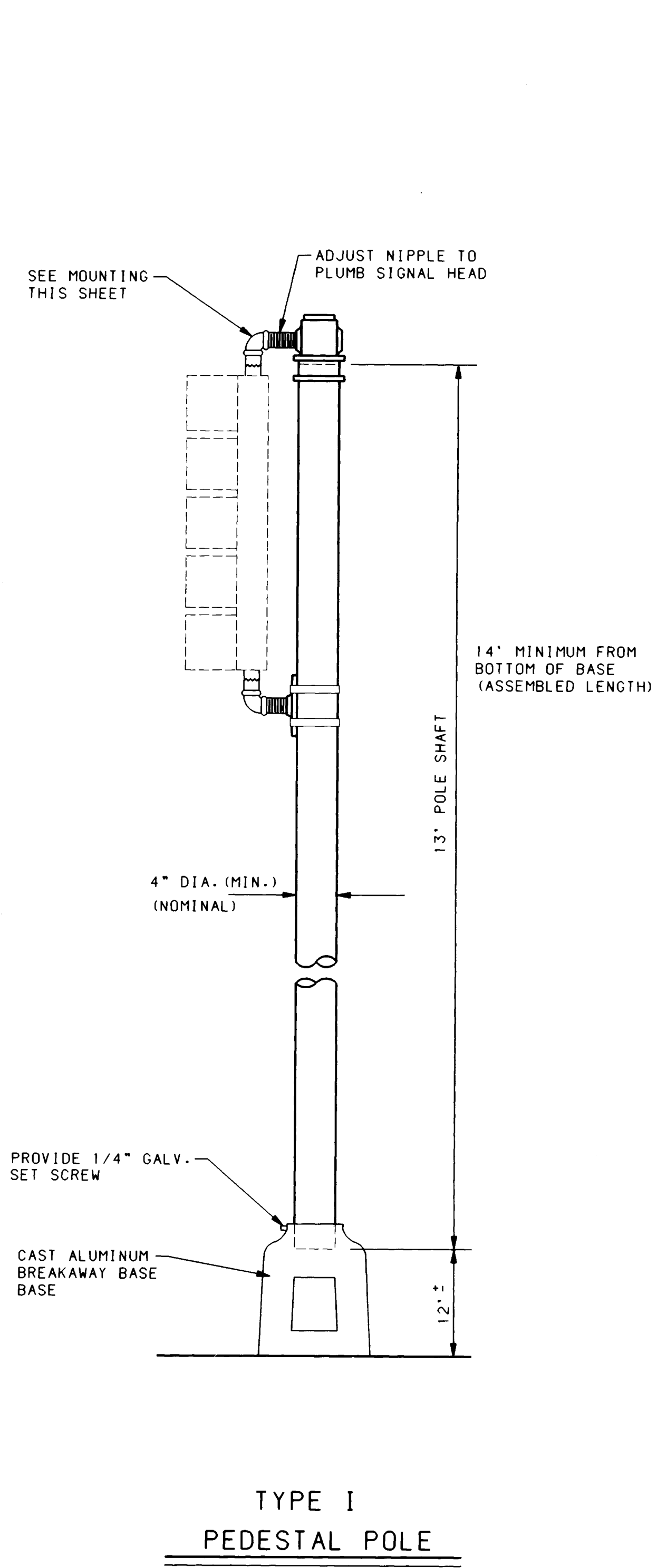
EASTERLING & ASSOCIATES, INC.
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: BLACK RANCH - TRACT 3
INFRASTRUCTURE IMPROVEMENTS
TRAFFIC SIGNAL FOUNDATION DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	Ronald P. Bohannon	8-29-91	WATER	N/A	N/A
TRANS. DEV.	Ronald P. Bohannon	8-29-91	WASTE WATER		
HYDROLOGY	N/A		TRAFFIC ENG.	Thomas E. H. Bohannon	8/29/91

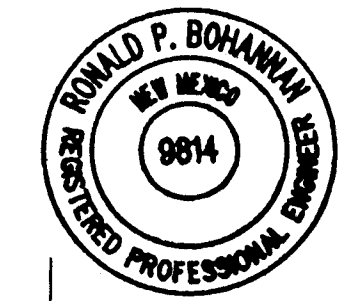
DRAWING NO. 4288.90	SCALED 90-124	MAP NO. C-13	SHEET 24 OF 28
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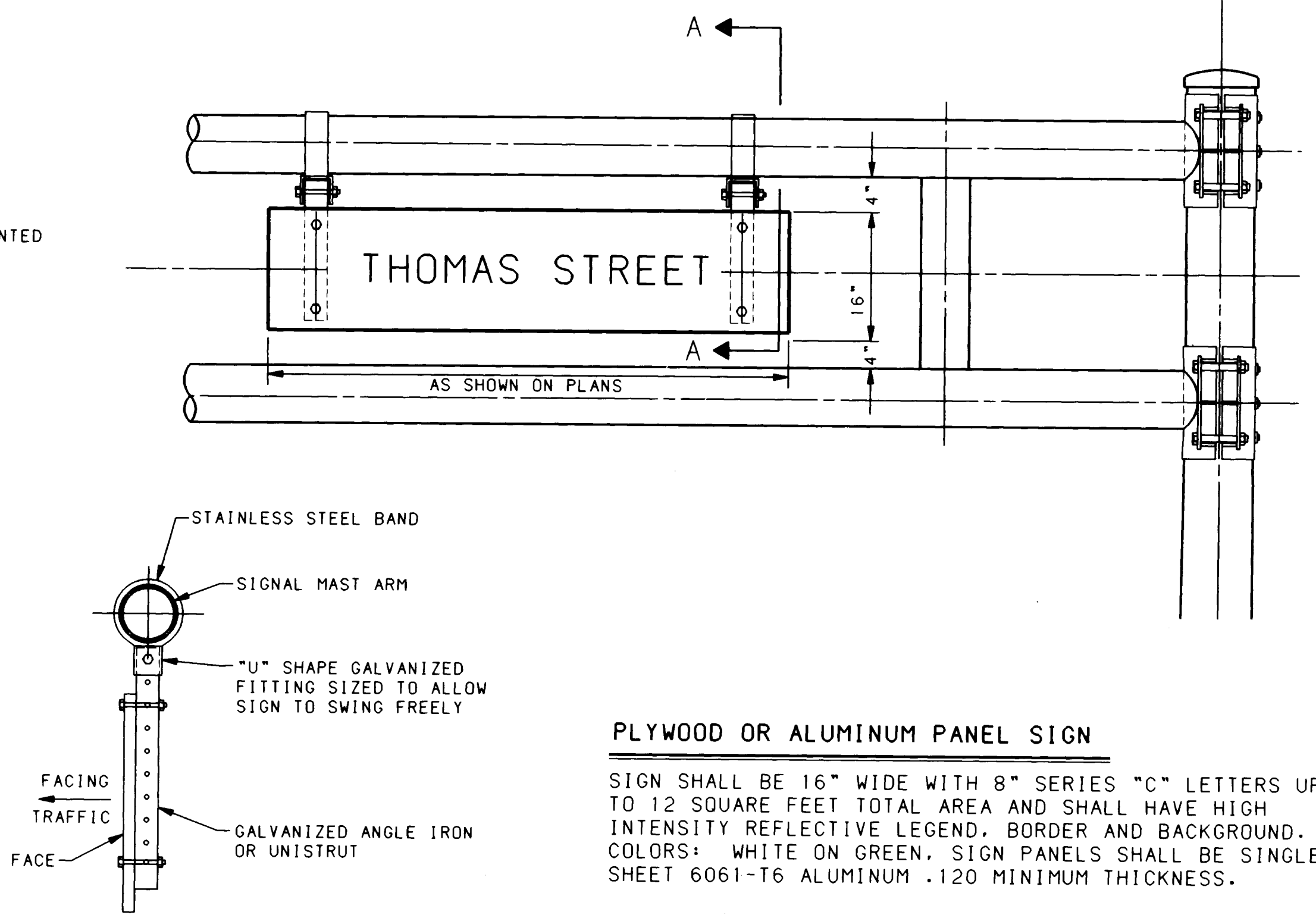
* USE SMALLER SIZE FOR TYPE I PEDESTAL POLES

RECORD DRAWINGS

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Ronald P. Bohannon
 Ronald P. Bohannon, P.E.
 NMPE No. 9814
 Date: 11/18/91



PLYWOOD OR ALUMINUM PANEL SIGN

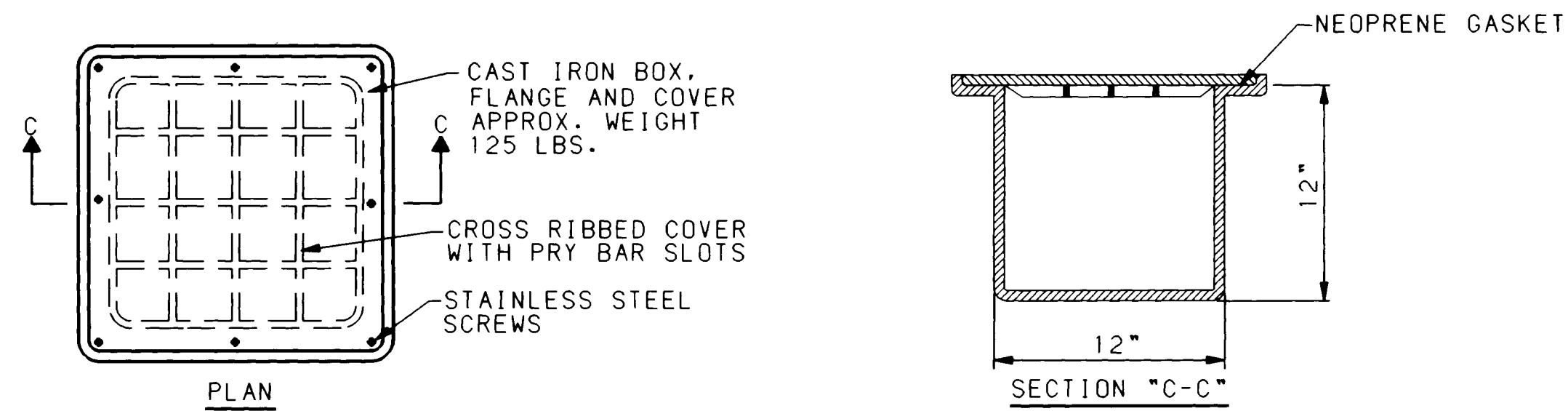
SIGN SHALL BE 16" WIDE WITH 8" SERIES "C" LETTERS UP TO 12 SQUARE FEET TOTAL AREA AND SHALL HAVE HIGH INTENSITY REFLECTIVE LEGEND. BORDER AND BACKGROUND. COLORS: WHITE ON GREEN. SIGN PANELS SHALL BE SINGLE SHEET 6061-T6 ALUMINUM .120 MINIMUM THICKNESS.

STREET NAME SIGN DETAIL

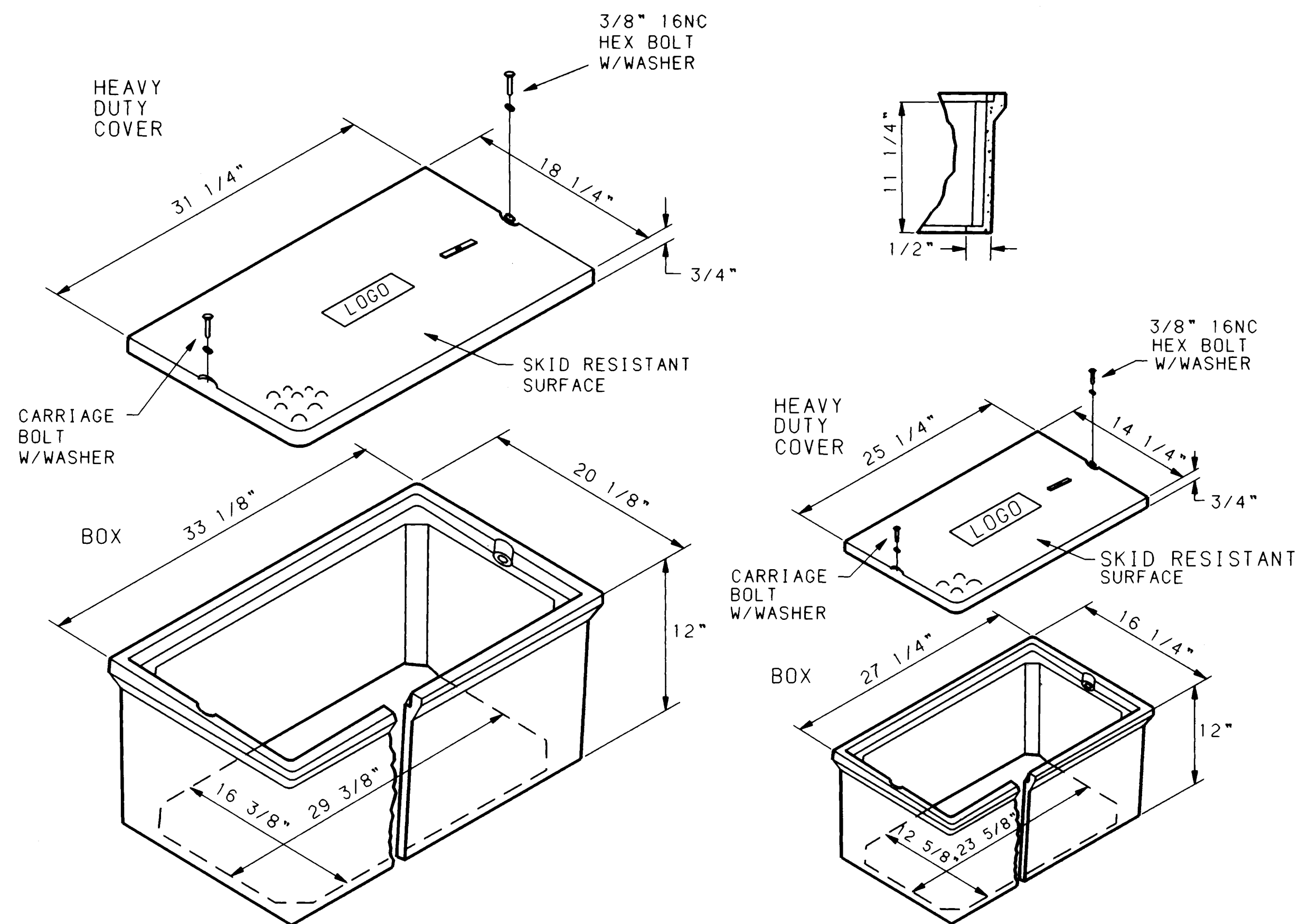
26 4266.902591

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: BLACK RANCH - TRACT 3 INFRASTRUCTURE IMPROVEMENTS TYPE I POLE & PEDESTRIAN SIGNAL DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	<i>Rogel</i>	8-20-91	WATER	<i>N/A HLC</i>	
TRANS. DEV.	<i>N/A</i>	8-22-91	WASTE WATER		
HYDROLOGY	<i>N/A</i>		TRAFFIC ENG.	<i>R. M. HLC</i>	01/19/92
DRAWING NO. 4266.90		SC-80-8 DRB 90-121	MAP NO. C-13		SHEET 25 OF 28



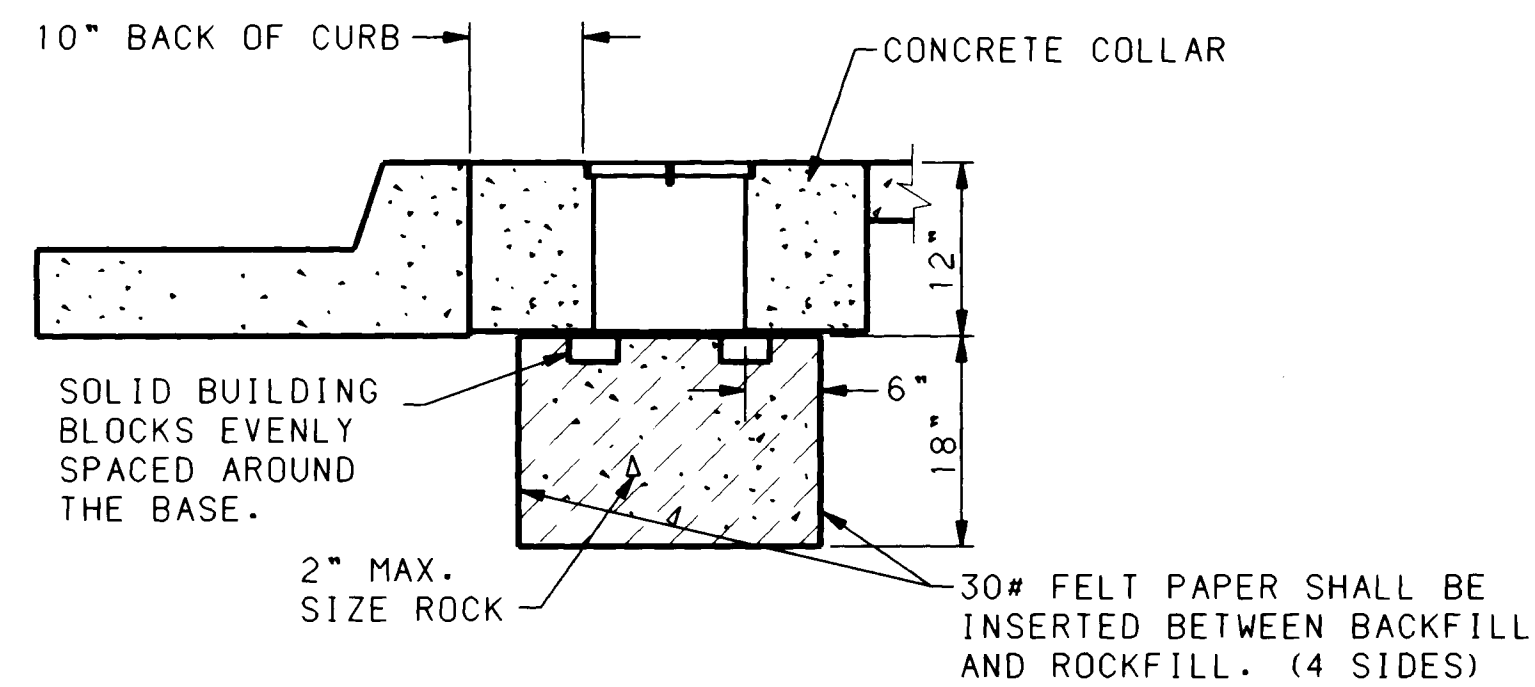
METAL PULL BOX



PULL BOX DETAILS

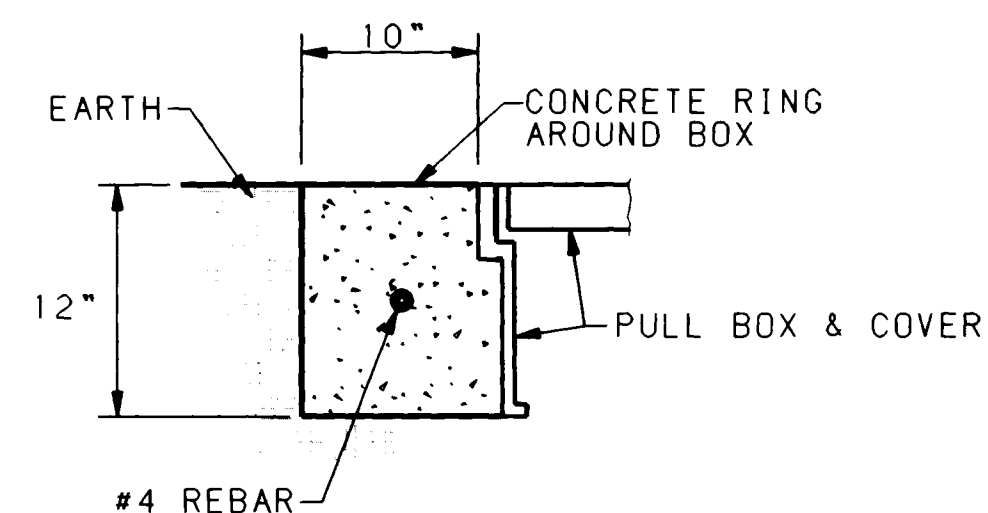
NOTES FOR REINFORCED POLYMER MORTAR PULL BOX

- SERVICE LOAD FOR (HEAVY DUTY COVERS) - 15,000 LBS. OVER A 10" SQUARE (150 PSI).
- MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH CONTINUOUS WOVEN GLASS STRANDS. THE MATERIAL MUST HAVE THE FOLLOWING MECHANICAL PROPERTIES: COMPRESSIVE STRENGTH - 11,000 PSI, TENSILE STRENGTH - 1700 PSI, FLEXURAL STRENGTH - 7500 PSI.
- ALL PULL BOX COVERS SHALL BE STEEL OR REINFORCED POLYMER MORTAR. NO CONCRETE COVERS WILL BE ACCEPTABLE. PULL BOX TYPE SHALL BE APPROVED BY THE PROJECT MANAGER.
- THE DIMENSIONS OF THE PULL BOXES SHOWN ARE MINIMUM DIMENSIONS AND MAY VARY AS TO THE MANUFACTURER'S RECOMMENDATIONS. ALL DIMENSIONS SHALL BE VERIFIED BY THE PROJECT MANAGER.

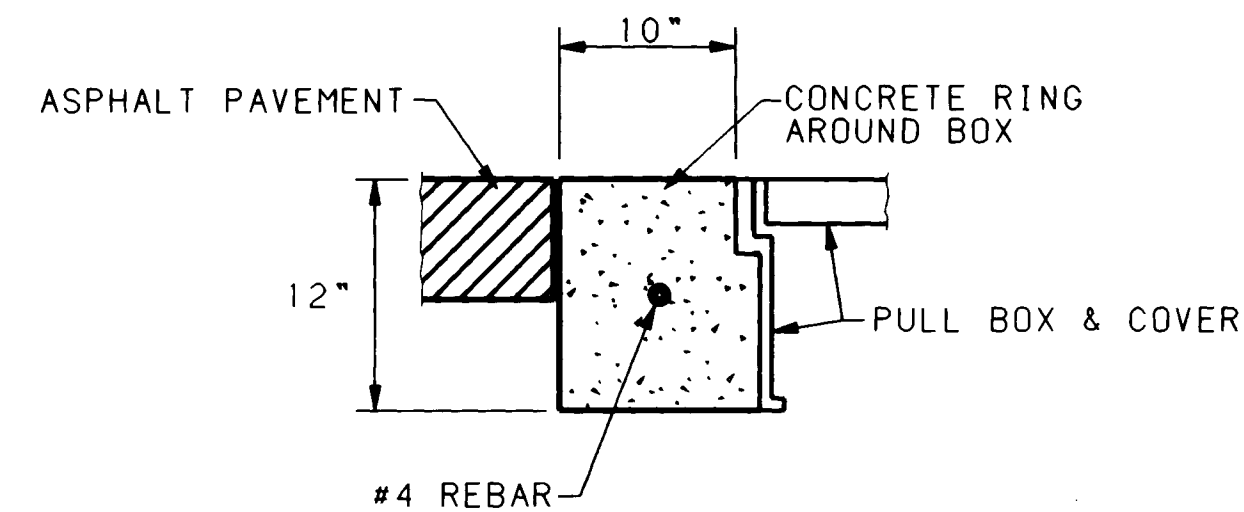


TYPICAL PULLBOX INSTALLATION

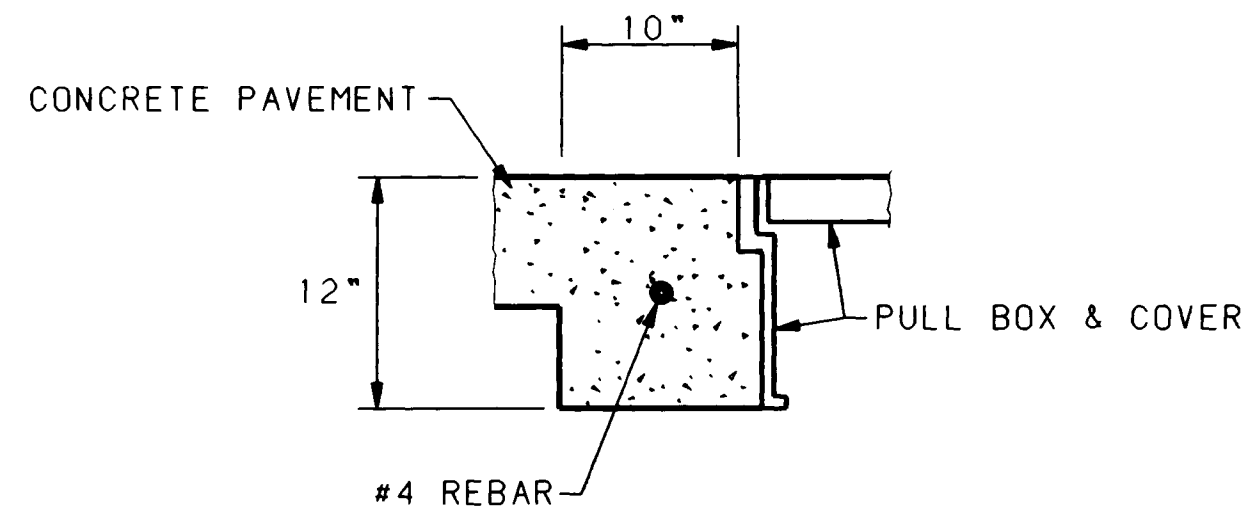
SEE DETAIL "A" BELOW



IN COMPACTED EARTH



IN ASPHALT PAVEMENTS



IN CONCRETE PAVEMENTS

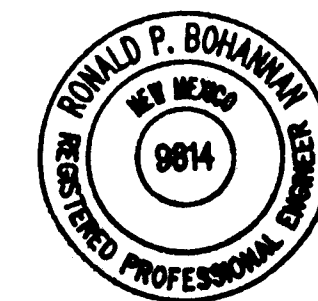
CONCRETE COLLAR DETAIL FOR PULL BOXES

NOTE: THE CONCRETE COLLAR FOR THE PULL BOXES WILL BE CONSIDERED INCIDENTAL TO THE TO THE PULL BOX BID ITEMS.

DETAIL "A"

RECORD DRAWINGS

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Ronald P. Bohannon, P.E.
NMPE No. 9814
Date: 11/15/91

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: BLACK RANCH - TRACT 3
INFRASTRUCTURE IMPROVEMENTS
SIGNAL & LIGHTING PULL BOX DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	Ronald P. Bohannon	8/20/91	WATER	N/A	N/A
TRANS. DEV.	N/A	8/20/91	WASTE WATER	N/A	N/A
HYDROLOGY	N/A	8/20/91	TRAFFIC ENG.	N/A	N/A

DRAWING NO. 4268-30 MAP NO. C-13 SHEET 26 OF 28

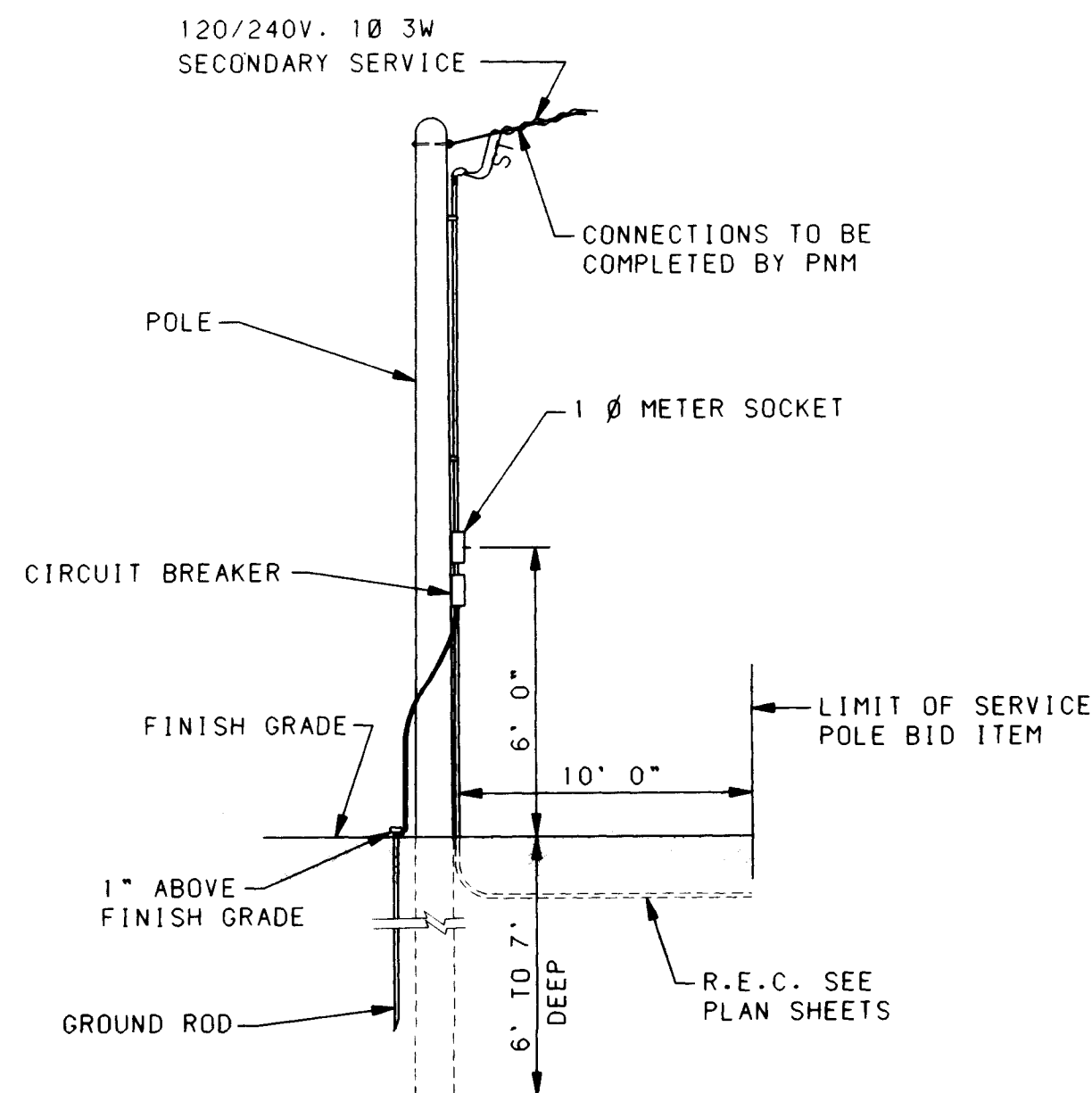
RECORD DRAWINGS

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NMPE No. 9814
Date: 11/18/91

F.H.W.A. Region No.	NEW MEXICO	SHEET NO.	TOTAL SHEETS
6			



ESTIMATED MATERIAL LIST

1	25' TREATED POLE
1	1" X 1" G.R.C. NIPPLE
1	SINGLE PHASE METER SOCKET
2	CIRCUIT BREAKERS 50A
	1P IN RAINTIGHT ENCLOSURE (N.E.M.A.3R)
40'	1/C NO. 6 THW BLACK
40'	1/C NO. 6 THW WHITE
40'	1/C NO. 6 THW RED
1	COPPERWELD 3/4" X 10'-0" GROUND ROD
1	GROUND ROD CLAMP
35'	1" GALV. RIGID CONDUIT
1	5/8" EYEBOLT
1	1" WEATHERHEAD
10'	NO. 6 BARE COPPER GROUND WIRE
5'	1/2" GALV. RIGID CONDUIT

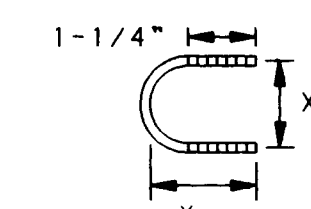
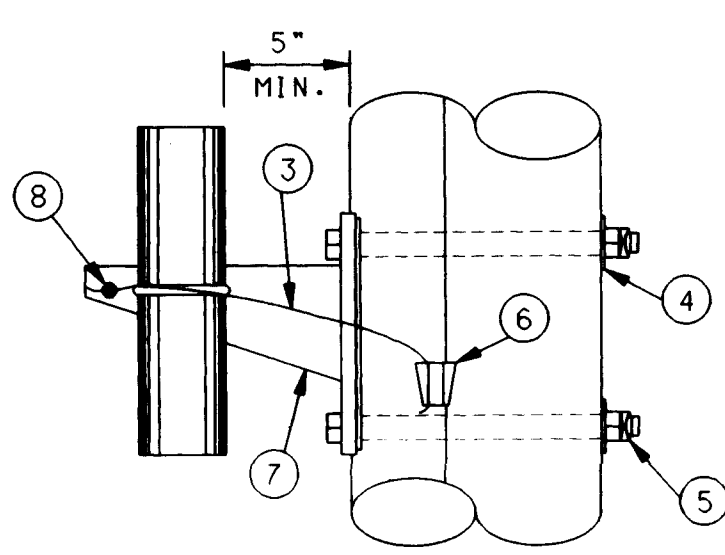
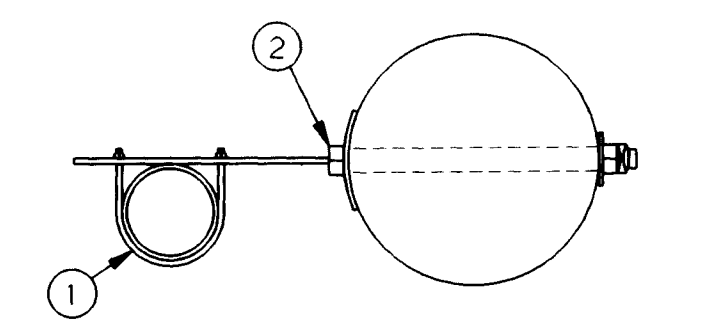
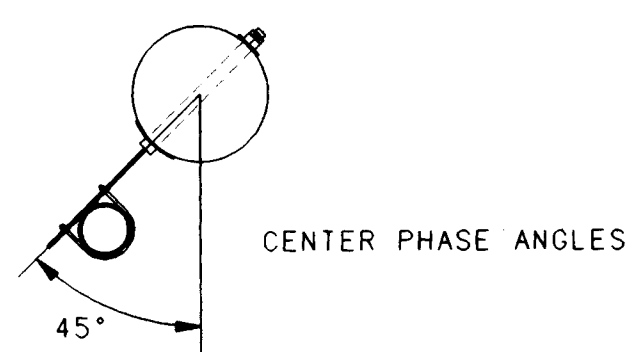
TRAFFIC SIGNAL ELECTRICAL SERVICE POLE

(SERVICE POLE - SIGNAL)

NO SCALE

ELECTRICAL SERVICE GENERAL NOTES

- ALL SIGNAL AND LIGHTING SERVICE DETAILS SHALL BE IN ACCORDANCE WITH THE PNM ELECTRIC SERVICE GUIDE, LATEST EDITION.
- TRAFFIC SIGNAL ELECTRICAL SERVICE PEDESTAL (SERVICE POLE - SIGNAL - FOR UNDERGROUND SERVICE) INCLUDES METER PEDESTAL, UNIVERSAL SUPPORT BRACKETS, AND SINGLE PHASE PEDESTAL METERING.
- PROVIDE ONE 50A, 1P 120V CIRCUIT FOR CONTROLLER SIGNALS AND ONE 50A, 1P CIRCUIT FOR DUPLEX CONVENIENCE OUTLET IN CONTROLLER. (USE A 15A FUSE TO PROTECT THIS CIRCUIT.)
- CONDUIT SIZES, FITTINGS AND SERVICE WIRING MAY VARY (SEE PLANS FOR SPECIFIC REQUIREMENTS).



ESTIMATED MATERIAL LIST

1	1	U BOLT
2	2	5/8" MACHINE BOLTS
3	3	#4 SOL CU WIRE
4	2	2-1/4" SQUARE WASHER
5	2	5/8" MF LOCKNUT
6	1	LINE TAP
7	1	SUPPORT BRACKET
8	1	GROUNDING LUG

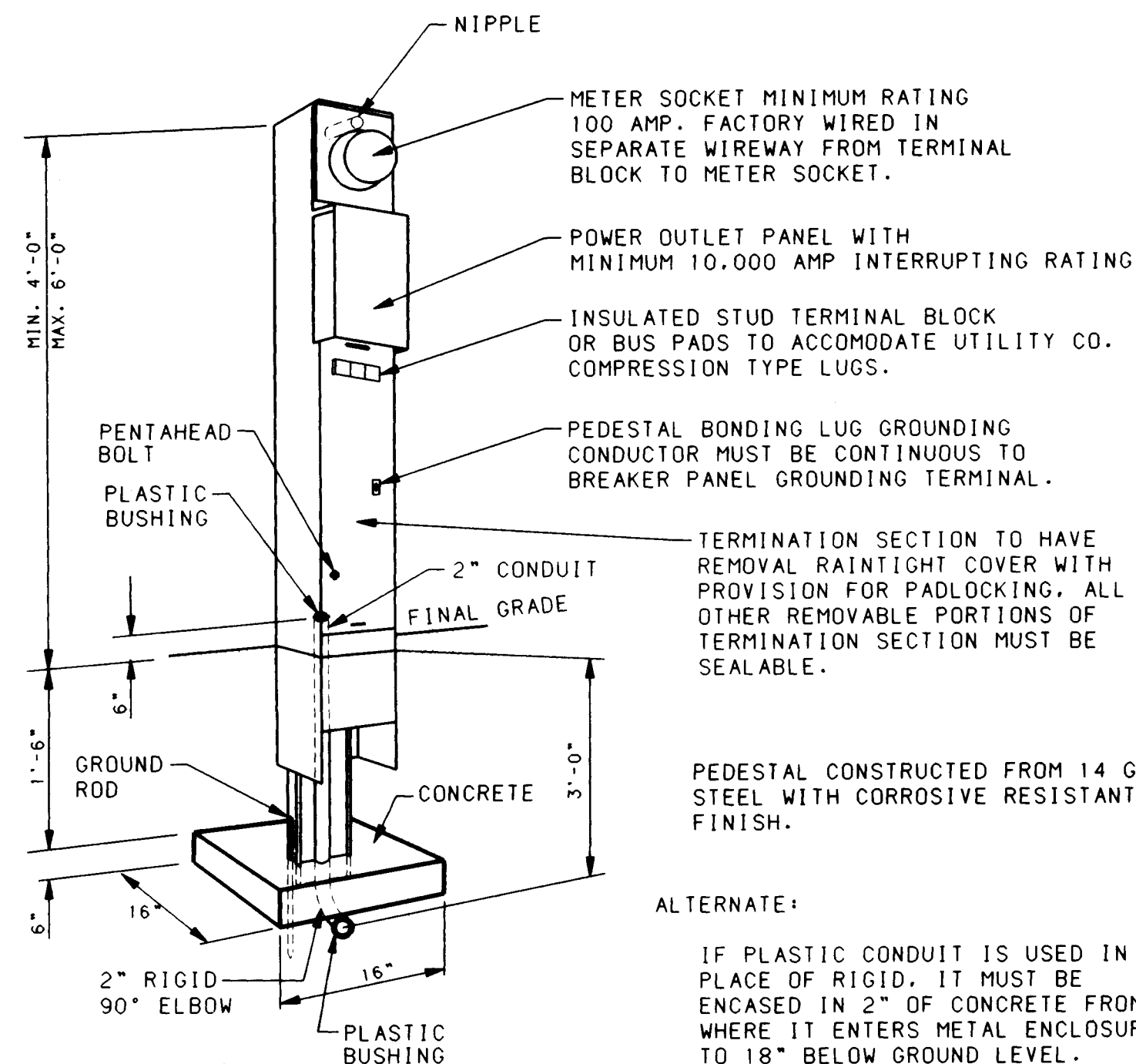
UNIVERSAL SUPPORT BRACKET NOTES:

- BRACKET TO BE FASTENED TO POLE WITH 5/8" GALVANIZED MACHINE BOLTS.
- BRACKET SUITABLE FOR TWO 2", OR ONE 4" CONDUIT.
- TWO HOLE STRAPS ATTACHED AT 30" INTERVALS WITH 2" LAG SCREWS MAY BE USED INSTEAD OF THE SUPPORT BRACKET WHEN THE CONDUIT IS 1" OR LESS. A MAXIMUM OF TWO CONDUITS MAY BE STRAPPED DIRECTLY TO THE POLE.

SIZE CONDUIT	X	Y
2"	2-7/8"	3-5/8"
4"	5"	5-3/4"

UNIVERSAL SUPPORT BRACKET

NO SCALE



PEDESTAL CONSTRUCTED FROM 14 GA. STEEL WITH CORROSIVE RESISTANT FINISH.

ALTERNATE:

IF PLASTIC CONDUIT IS USED IN PLACE OF RIGID, IT MUST BE ENCASED IN 2" OF CONCRETE FROM WHERE IT ENTERS METAL ENCLOSURE, TO 18" BELOW GROUND LEVEL.

METER PEDESTAL

NO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE PEDESTAL DETAILS

(SERVICE POLE - SIGNAL - FOR UNDERGROUND SERVICE)

NO SCALE

METER PEDESTAL
SEE DETAIL THIS SHEETCONDUIT INSTALLED
GROUND ROD PER
NATIONAL ELECTRIC
CODE

SINGLE PHASE PEDESTAL METERING NOTES:

- WEATHERHEAD SHALL BE 3" ABOVE NEUTRAL.
- NO STANDOFF BRACKET REQUIRED IF CONDUIT IS 1" OR LESS. UP TO 2 CONDUITS 1" OR LESS MAY BE STRAPPED TO THE POLE.
- CONTACT PNM CUSTOMER SERVICES FOR POLE QUADRANT.
- ALL ABOVE-GRADE CONDUIT SHALL BE RIGID GALVANIZED OR IMC.
- ALL UNDERGROUND CONDUIT EXCEPT TYPE DB PVC, SCHEDULE 40 PVC, RIGID GALVANIZED OR IMC MUST BE CONCRETE ENCASED.
- RISER BRACKET ASSEMBLY MUST HAVE PROVISIONS FOR GROUNDING BY PNM.
- CONDUIT AND WIRE EXTENDING MORE THAN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED.

SINGLE PHASE PEDESTAL METERING

NO SCALE

ESTIMATED MATERIAL LIST

1	2"	CLAMP TYP WEATHER HEAD
2	30'	2" GALVANIZED CONDUIT
3	2	UNIVERSAL SUPPORT BRACKET
4	2	2" PIPE STRAP KIT
5	1	2" GALVANIZED ELBOW
6	4	5/8" MACHINE BOLT
7	4	5/8" LOCKNUT
8	4	2-1/4" SQUARE WASHER
9	1	2" GALVANIZED COUPLING
10	3	LINE TAP
11	2	#10-#2 GROUND LUG
12	1	GROUND ASSEMBLY
	45'	1/C NO. 6 THW BLACK
	45'	1/C NO. 6 THW WHITE
	45'	1/C NO. 6 THW RED

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	6	4	2	6	6	9	0	2	7	9	1			

EASTERLING & ASSOCIATES, INC.

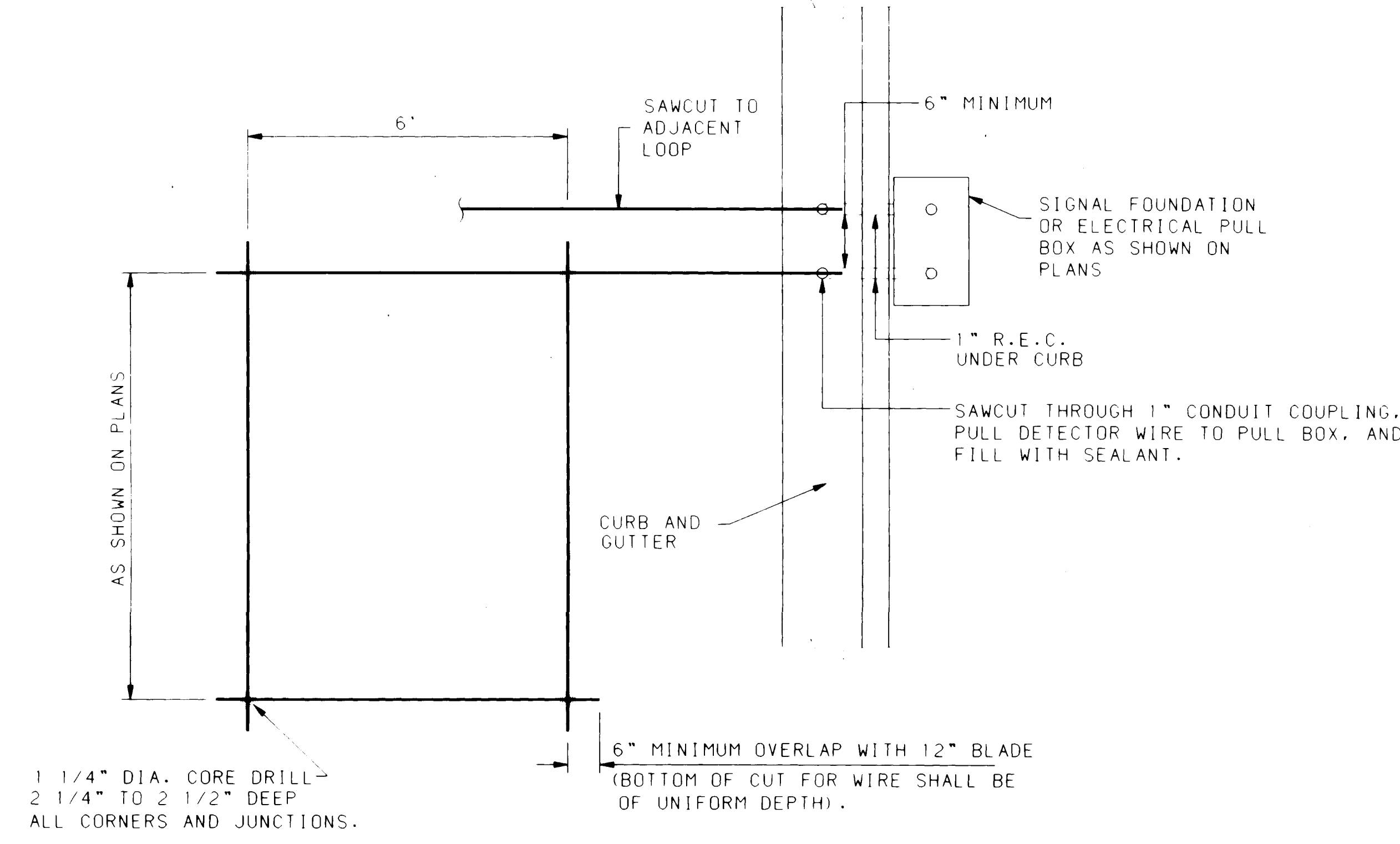
CONSULTING ENGINEERS
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

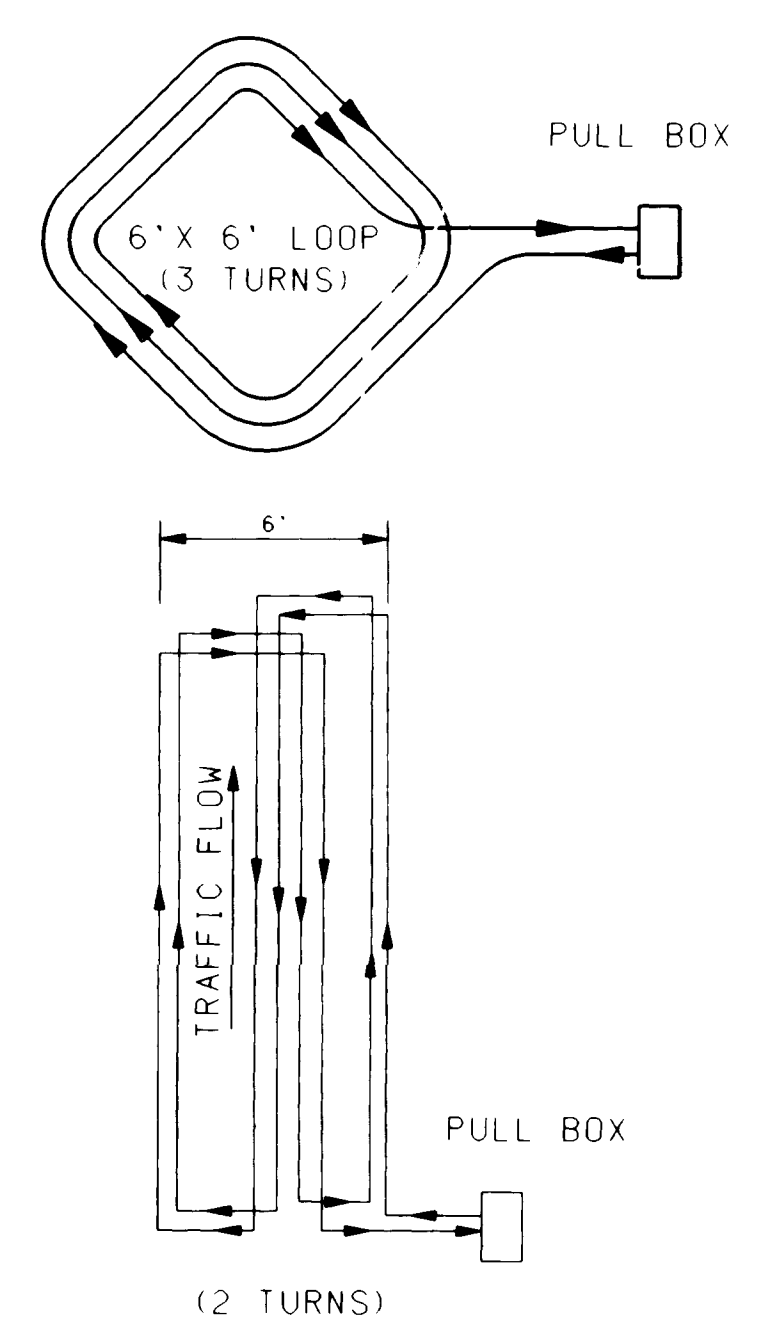
TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS
SIGNAL & LIGHTING SERVICE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	Ronald P. Bohannon	8-30-91	WATER	N/A	N/A
TRANS. DEV.	REDA	8-25-91	WASTE WATER		
HYDROLOGY	NA		TRAFFIC ENG.	Ronald P. Bohannon	8/14/91

DRAWING NO. 4288.50	SCS-80-8 C.O.A. DRB 90-121 B.C.P.W.D. CZ 90-10	MAP NO. C-13	SHEET 27 OF 28
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PLAN VIEW

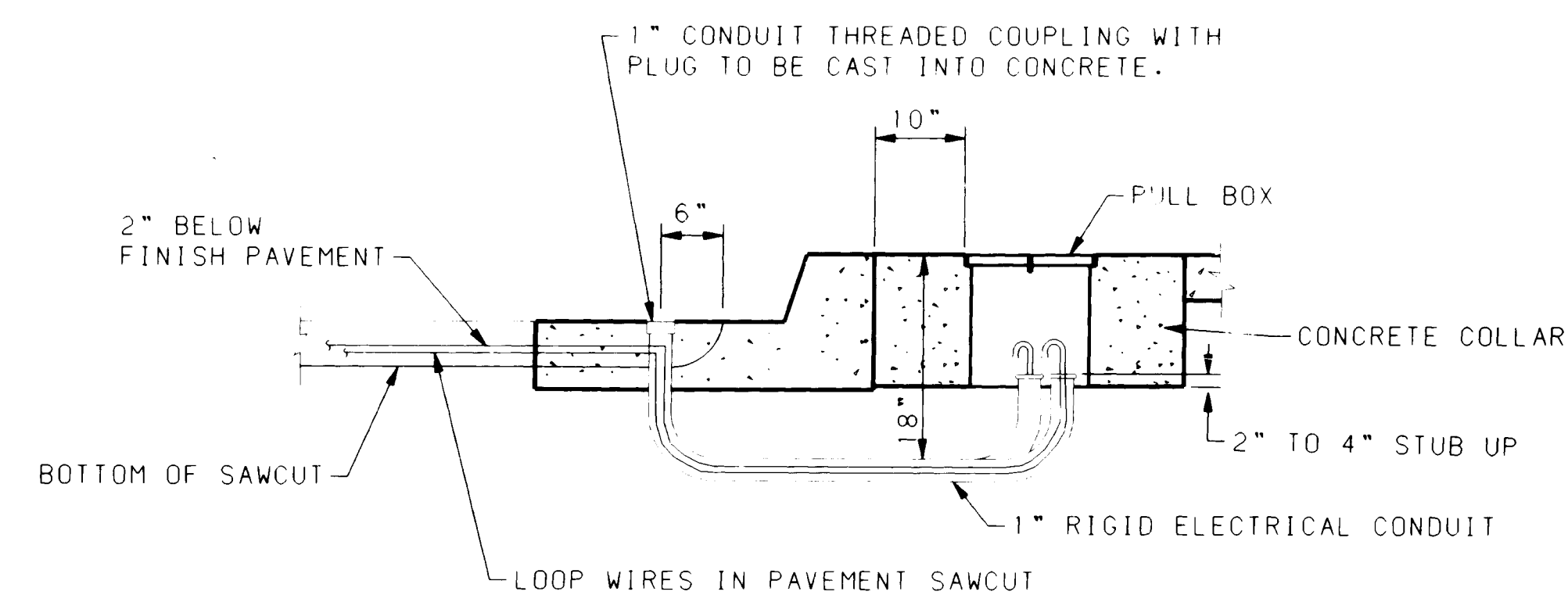


TYPICAL LOOP WIRE PLACEMENT DETAIL

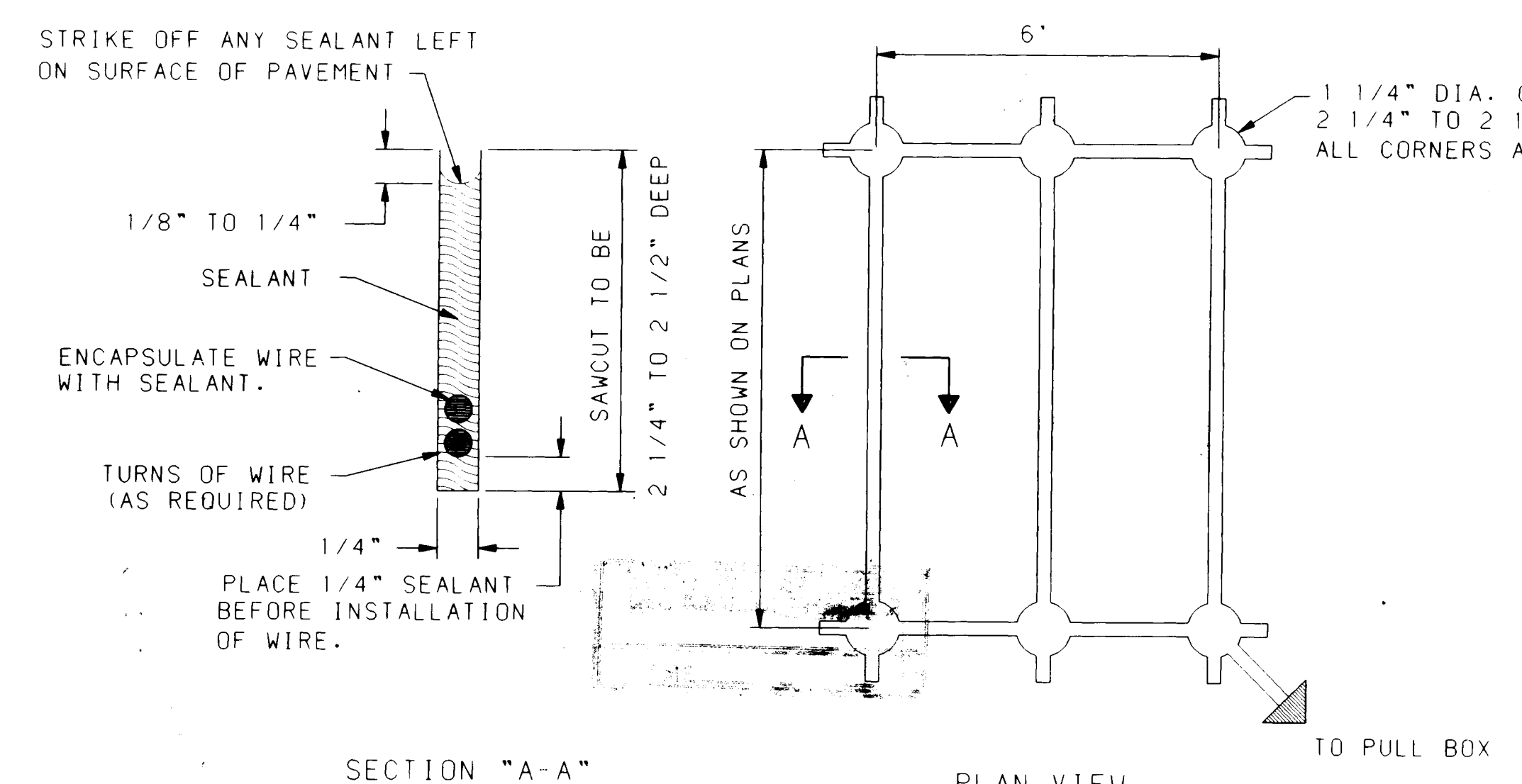
- NOTES: 1. WIRES MUST BE WOUND IN IN THE DIRECTION SHOWN.
2. ALL 6x30, 6x40, & 6x50 LOOPS HAVE 2 TURNS. ALL 6x6 LOOPS HAVE 3 TURNS.

NOTES

1. ALL LOOP DETECTOR WIRE SHALL BE NO. 14 AWG STRANDED COPPER WIRE WITH CROSSLINKED POLYETHYLENE INSULATION (INDUSTRY TYPE XHHW) CONFORMING TO THE REQUIREMENTS OF I.M.S.A. SPECIFICATIONS NO. 51-3 1984. BACKER ROD SHALL NOT BE USED IN THE INSTALLATION OF LOOP (EXCEPT PIECES LESS THAN 12" WHICH MAY BE PLACED OVER THE WIRE AT THE SAW CUT CORNERS TO HOLD THE WIRE. A 1/4" LAYER OF SEALANT SHALL BE PLACED IN THE SAWCUT BEFORE PLACEMENT OF THE WIRE AND THEN THE WIRE SHALL BE ENCAPSULATED WITH SEALANT. HOT-MELT RUBBERIZED ASPHALT LOOP DETECTOR SEALANT MANUFACTURED BY CRAFTCO SHALL BE AN ACCEPTABLE SEALANT ALTERNATE.
2. ALL LOOP LEAD IN CABLES SHALL BE TAGGED AT CABINET TO IDENTIFY EACH CABLE BY LOOP AND AND PHASE NUMBER.
3. GROUND LOOP LEAD IN CABLE SHIELDING IN CONTROL CABINET.
4. SEPARATE 1" RIGID ELECTRICAL CONDUITS ARE REQUIRED FOR EACH PAIR OF DETECTOR WIRES.



LOOP WIRE TERMINATION DETAILS



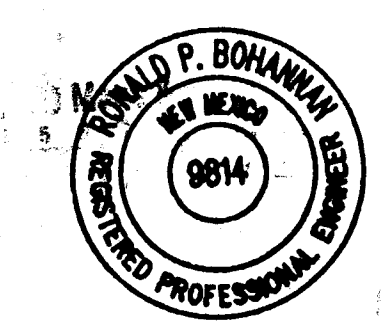
SECTION "A-A"

PLAN VIEW

TYPICAL ROADWAY LOOP SAWCUT DETAIL

RECORD DRAWINGS

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Ronald P. Bohannon
Ronald P. Bohannon, P.E.
NMPE No. 9814
Date: 11/15/91

1	2	3	4	5	6	7	8	9	10	11	12	13	14
26	42	66	90	28	91								

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PUBLIC WORKS DEPARTMENT
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TITLE: **BLACK RANCH - TRACT 3**
INFRASTRUCTURE IMPROVEMENTS
LOOP DETECTOR DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	<i>Ronald P. Bohannon</i>	8-30-91	WATER	<i>N/A</i>	<i>N/A</i>
TRANS. DEV.	<i>R. Bohannon</i>	8-28-91	WASTE WATER		
HYDROLOGY	<i>N/A</i>		TRAFFIC ENG.	<i>R. Bohannon</i>	8/29/91

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