

CONSTRUCTION PLANS

PUBLIC AND PRIVATE

INFRASTRUCTURE IMPROVEMENTS

(AS BUILT)

TOWNE PARK PLAZA

I N D E X

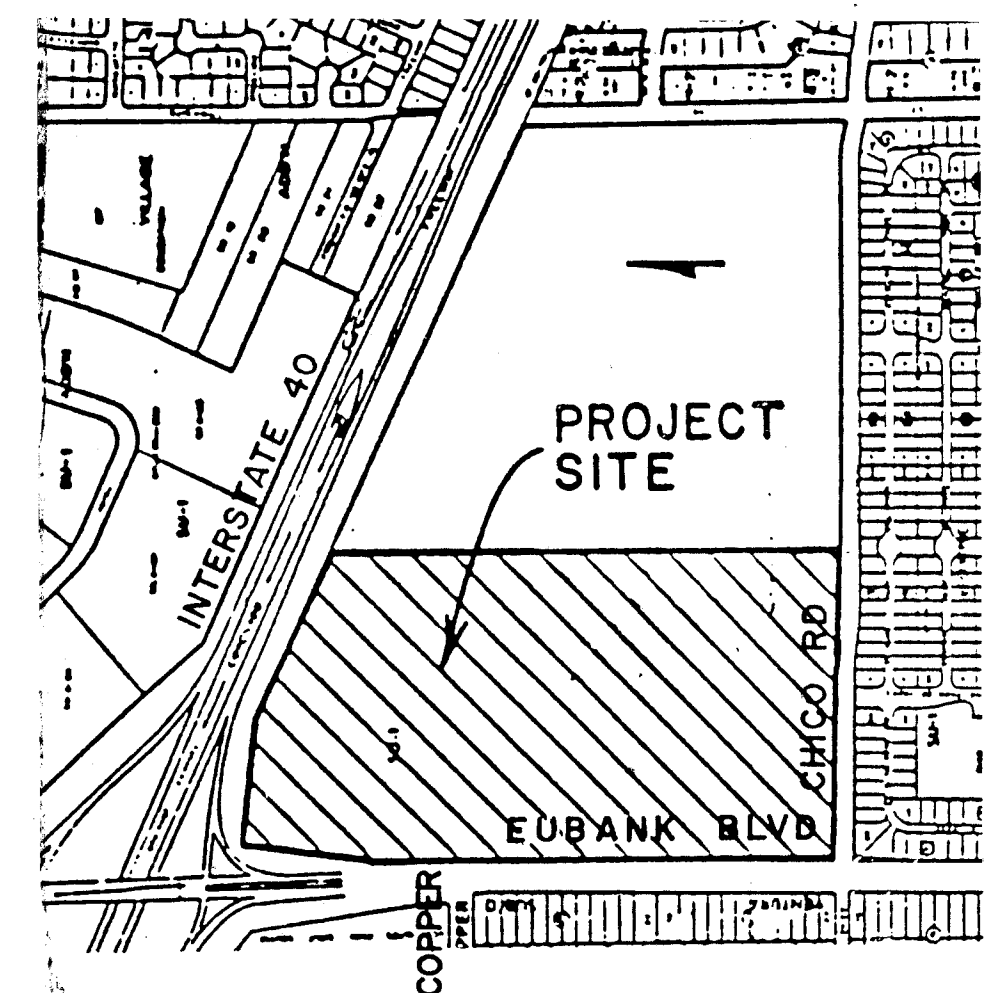
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4a,b,c	EXISTING CONDITIONS MAPS
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6	CHICO ROAD PLAN AND DETAIL SHEET
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8	COPPER AVE. SD AND SAS LINE "A" AND WATERLINE "A" PLAN & PROFILE
9	SD LINE "B" & WATERLINE "B" PLAN & PROFILE
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4237.900192

RECORD DRAWINGS, DATE: 9-23-92

ALL "RECORD DRAWING" INFORMATION SHOWN ON THIS PLAN SHEET WAS COMPILED FROM INFORMATION PROVIDED TO BOHANNAN-HUSTON, INC. BY THE OWNER, CONTRACTOR, CITY OF ALBUQUERQUE (CONSTRUCTION OBSERVER), AND THE AS-BUILT SURVEY (BY BHI). BOHANNAN-HUSTON, INC. DOES NOT CERTIFY TO THE ACCURACY, COMPLIANCE OR ACCEPTANCE OF THE CONSTRUCTION OR CONSTRUCTION METHODS.

BHI JOB NO. 91114.09



VICINITY MAP
NOT TO SCALE

NOTICE TO CONTRACTORS

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) 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 OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SEC. 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECS.
- 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 ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

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

APPROVAL OF AS BUILT DRAWINGS
CITY ENGINEER
DATE 10-23-92

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

APPROVAL OF REVISIONS

	BOHANNAN HUSTON INC. ALBUQUERQUE, NEW MEXICO ENGINEERS PLANNERS PHOTOGRAPHERS	APPROVED FOR CONSTRUCTION <i>Russell B. Parker</i> 12/5/91 C.E.
	PROJECT NUMBER 4237.90	SHEET 1 OF 34

NOTICE TO THE CONTRACTOR

6. INTERIM IMPROVEMENTS ARE SHOWN FOR THE INTERSECTION OF EUBANK BLVD. AND COPPER AVE. PERMANENT IMPROVEMENTS AND THE OPENING OF COPPER AVE. TO TRAFFIC ALLOWED ONLY AFTER THE I40/EUBANK OFF-RAMP IMPROVEMENTS (WORK ORDER PLANS 4237.91) ARE OPENED TO TRAFFIC AND FULLY OPERATIONAL. APPROVAL OPENING COPPER AVE. EXTENSION TO BE GRANTED BY THE CITY TRAFFIC ENGINEERING DEPARTMENT PROJECT MANAGER. 168-2680
7. PATH ONE IMPROVEMENTS WILL BE CONSTRUCTED UNDER A SEPARATE CONSTRUCTION CONTRACT. SITE WORK CONSTRUCTION SHALL BE CLOSELY COORDINATED WITH ONGOING PRIVATE CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL SUCH COORDINATION. NO COMPENSATION, OR TIME ALLOWANCE WILL BE MADE FOR COORDINATION WITH OTHER CONTRACTORS OR PRIVATE UTILITY COMPANYS.
8. WHEN CONFLICTS EXIST BETWEEN THE STANDARD SPECIFICATIONS' THE "CONSTRUCTION OBSERVER SHALL BE NOTIFIED IMMEDIATELY FOR RESOLUTION.
9. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS GOVERNING CONSTRUCTION SAFETY AND HEALTH.
10. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL POSITIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

11. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
12. ALL ELECTRICAL, TELEPHONE, CABLE TV, AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS.
13. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN ALL SERVICE AND EXISTING UTILITIES.
14. THE CONTRACTOR SHALL BE REQUIRED TO CONFINES HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. HE SHALL AT ALL TIMES TRY TO MINIMIZE THE DISTURBANCE TO THE EXISTING VEGETATION.
15. ALL AREAS DISTURBED BY CONSTRUCTION AND WHICH ARE NOT COVERED WITH PERMANENT IMPROVEMENTS WILL BE REVEGETATED AS SPECIFIED BY THE LANDSCAPE SPECIFICATIONS.
16. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE RIGHT-OF-WAY.
17. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, TOPSOIL DISTURBANCE AND EXCAVATION PERMITS, ETC.)
18. ANY INFORMATION REQUIRED ON THE MONUMENTATION PLANS FOR THIS PROJECT MAY BE OBTAINED FROM THE CONSTRUCTION OBSERVER.
19. ALL TRENCHES AND EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED ACCORDING TO OSHA CONSTRUCTION SAFETY AND HEALTH STANDARDS. WHERE INSTABLE SOIL CONDITIONS ARE ENCOUNTERED IN TRENCHES SHALLOWER THAN FIVE FEET (5'), THESE TRENCHES SHALL ALSO BE SLOPED, SHORED, OR SUPPORTED. JOB SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
20. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
21. THE CONTRACTOR WILL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED IN THE PROCESS OF CONSTRUCTION. ALL PROPERTY CORNERS MUST BE SET BY A LICENSED SURVEYOR.
22. ACCESS TO LOCAL BUSINESS AND RESIDENCES SHALL BE KEPT OPEN AT ALL TIMES. TEMPORARY ACCESS CLOSURES, IF REQUIRED, MUST BE SCHEDULED AT LEAST TWENTY FOUR (24) HOURS IN ADVANCE WITH PROPERTY OWNERS AND APPROVED BY THE ENGINEER.
23. ALL STORM DRAIN PIPE WILL BE TYPE III RCP.

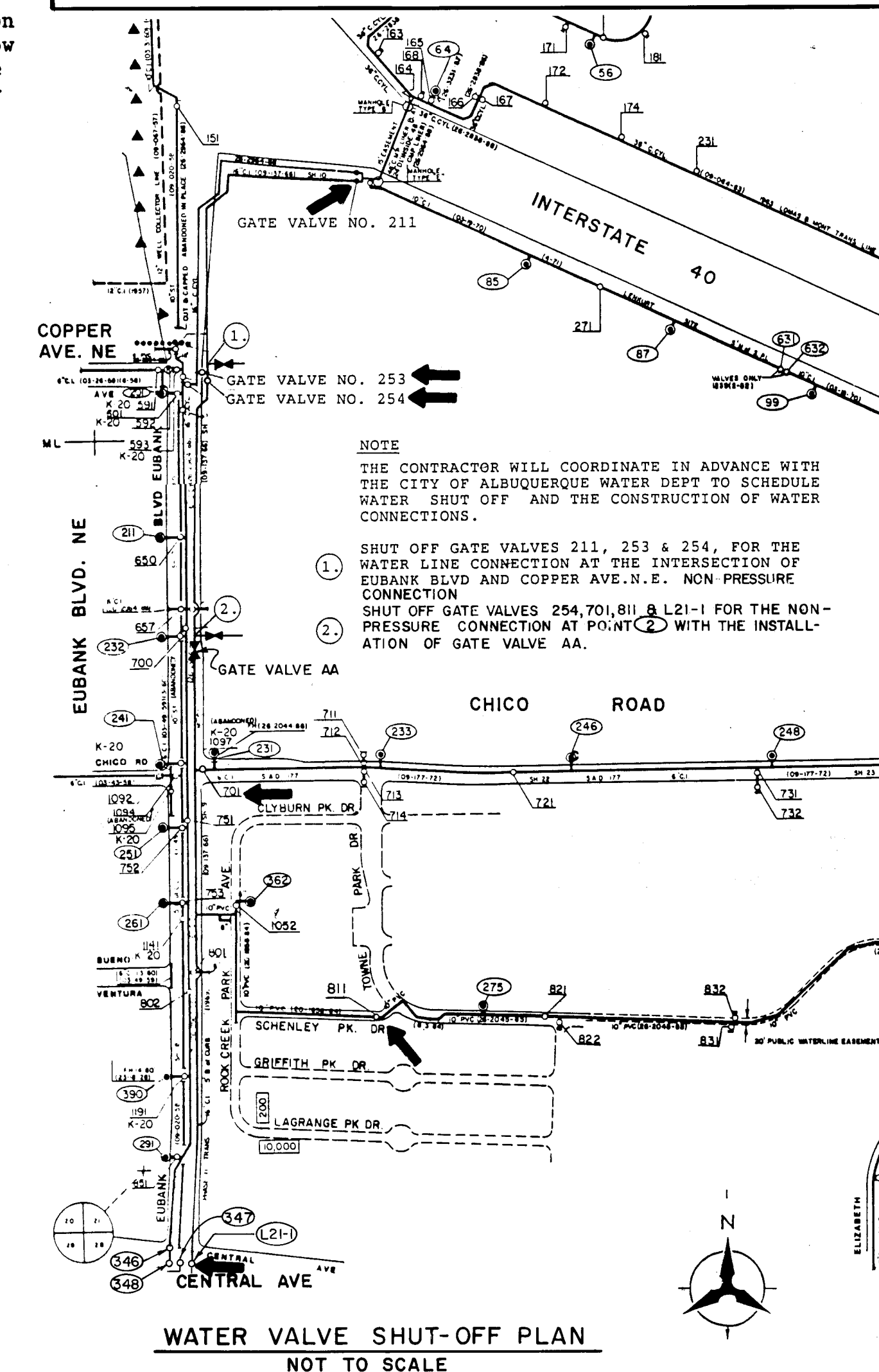
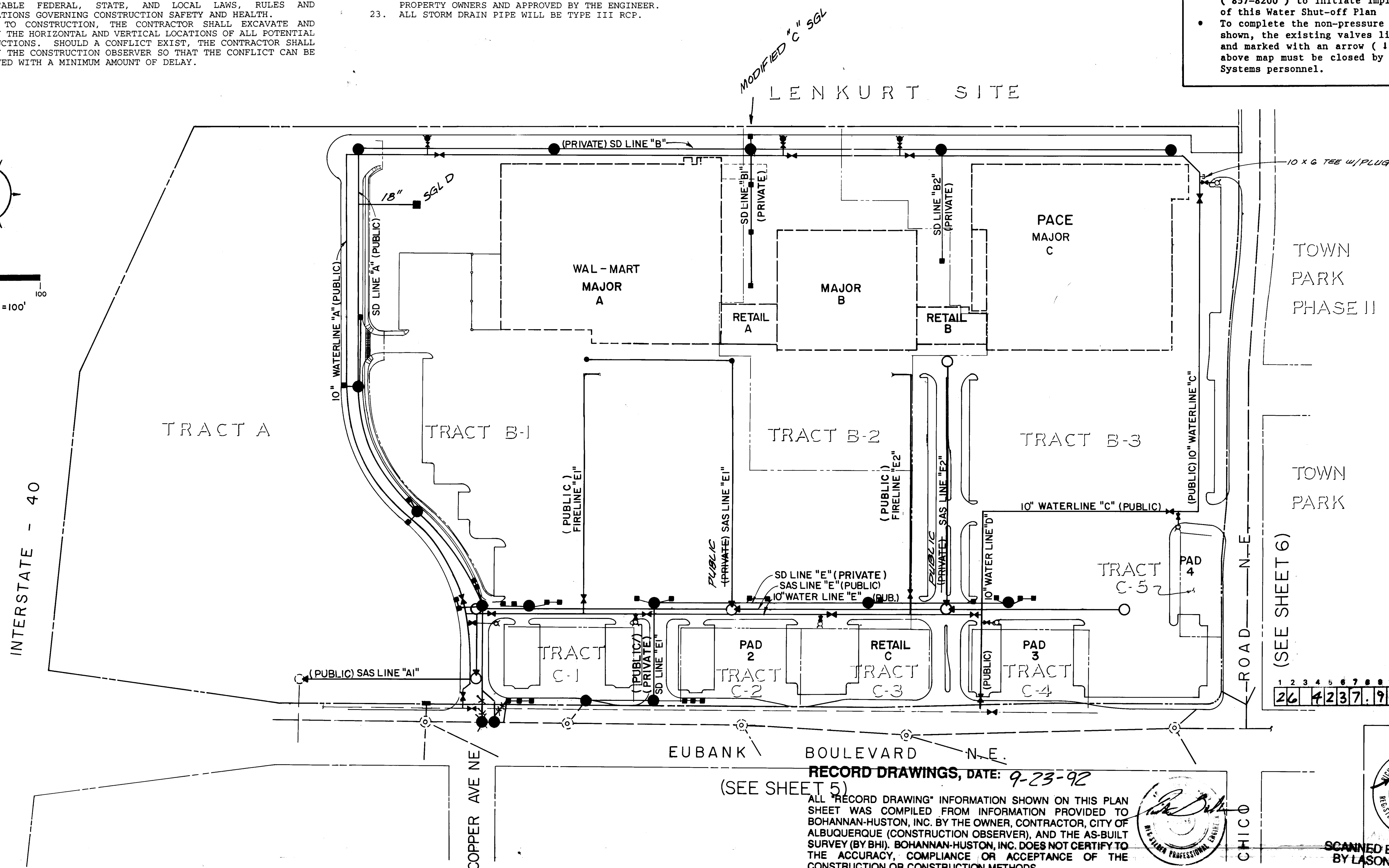
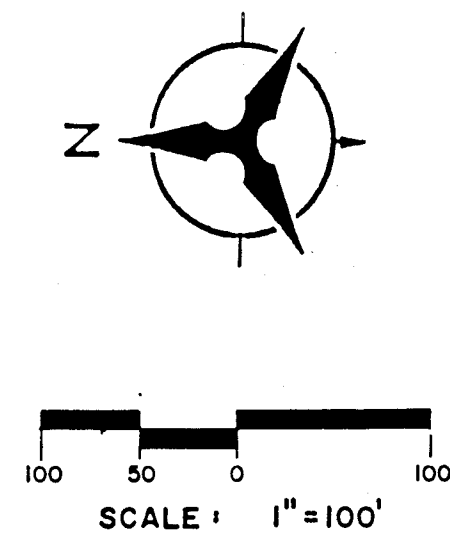
1. ALL BARRICADES AND SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, 1978 EDITION.
2. THE CONTRACTOR SHALL PREPARE DETAILED TRAFFIC CONTROL AND CONSTRUCTION SIGNING PLAN, STAMPED BY A LICENSED NEW MEXICO ENGINEER OR QUALIFIED EQUIVALENT. THE PLAN SHALL BE PREPARED TO THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL BLOCKS AND SHALL BE SUBMITTED TO THE CITY TRAFFIC ENGINEERING DEPARTMENT FOR REVIEW, COMMENT AND APPROVAL. APPROVAL MUST BE OBTAINED PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON EUBANK BLVD., CHICO RD. OR ANY ADJACENT STREETS.
3. ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A MOUNTED HEIGHT OF 7 FEET.
4. CONTRACTOR SHALL MAINTAIN ALL BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADES AT THE END AND BEGINNING OF EACH DAY.

THIS PROJECT WILL NOT BE ACCEPTED UNTIL ACCOUNTS FOR THE 8" AND 6" PRIVATE FIRE LINE STUB(S) HAVE BEEN ESTABLISHED WITH CITY CUSTOMER SERVICE (768-2840).

914.4.4 Direct connection to storm sewer main will be permitted if the main is greater than 36" (I.D.) and the connecting line is not greater than 12 inches (I.D.). If the storm drain mains are 48 inches (I.D.) or larger, the connecting line diameter may be increased to 18 inches (I.D.). If the storm drain mains are 72 inches or larger, the connecting line diameter may be increased to 36 inches (I.D.). For connecting line sizes greater than those specified above, the connection to the main will be made into a manhole or by inserting into the main a factory constructed wye. Drawings to the main will comply with the Standard Detail Drawings.

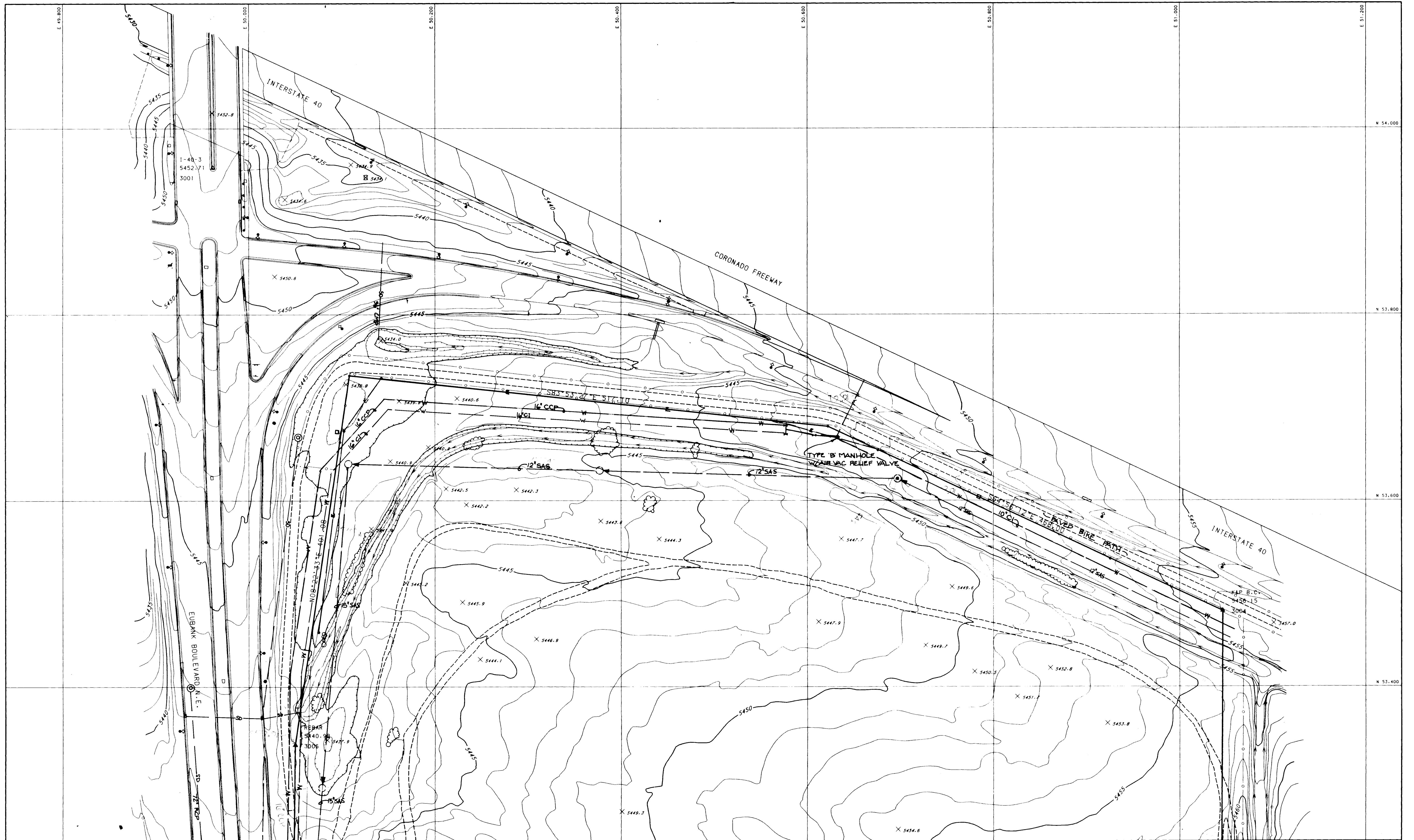
- CONTRACTOR shall be responsible for timing and coordination of the Water Shut-off requirements in conjunction with completion of this project.
- At least THREE (3) working days prior to construction, CONTRACTOR shall contact FWD/Water Systems Division (857-8200) to initiate implementation of this Water Shut-off Plan
- To complete the non-pressure connection shown, the existing valves listed below and marked with an arrow (↓) on the above map must be closed by FWD/Water Systems personnel.

- | | |
|--|--------------------------------------|
| | PROPOSED SPOT ELEVATION |
| | EXISTING SPOT ELEVATION |
| | CURVE TABLE INFORMATION No. |
| | POINT SCHEDULE INFORMATION No. |
| | TOP OF CURB ELEVATION |
| | FLOW LINE ELEVATION |
| | PROPOSED PAVING |
| | EXISTING PAVEMENT REMOVAL |
| | PROPOSED ASPHALT SAWCUT AND PATCHING |
| | EXISTING CURB AND GUTTER |
| | EXISTING GAS MANHOLE |
| | PROPOSED GAS MANHOLE |
| | EXISTING SD MANHOLE |
| | PROPOSED SD MANHOLE |
| | EXISTING SD INLET |
| | PROPOSED SD INLET |
| | EXISTING FIRE HYDRANT |
| | PROPOSED FIRE HYDRANT |
| | EXISTING WATER LINE |
| | EXISTING POWER POLE |
| | TRAFFIC LIGHT |
| | TRAFFIC CONTROL BOX |
| | WATER METER |
| | GATE VALE |



		ACCEPTANCE NOTE				JPK	
		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TOWNE PARK PLAZA INDEX MAP AND GENERAL CONSTRUCTION NOTES							
APPROVALS		ENGINEER		DATE		APPROVALS	
DRC CHAIRMAN				12-3-91			
TRANSPORTATION				11-27-91			
HYDROLOGY				11-27-91			
DRAWING NO.		4237.90		MAP NO. K-21		SHEET 2 OF 31	

9114.08



THIS COMPUTER PLOTTED MAP WAS GENERATED FROM DATA COMPILED BY DIGITAL STEREOPHOTODIAGRAMMETRIC METHODS USING VERTICAL AERIAL PHOTOGRAPHY EXPOSED ON JANUARY 29, 1991 AT A NOMINAL FLIGHT HEIGHT OF 1500' ABOVE MEAN TERRAIN IN A ZEISS MKK 15/23 AERIAL CAMERA SERIAL NUMBER 127792. CALIBRATED FOCAL LENGTH 153.50mm.

THE DATA WAS COMPILED FOR USE AT A SCALE OF 1"=50' WITH A CONTOUR INTERVAL OF 1' FOR THE PURPOSE OF SITE DEVELOPMENT. BOHANNAN-HUSTON, INC. ASSUMES NO RESPONSIBILITY FOR THE QUALITY, ACCURACY OR COMPLETENESS OF THIS DATA WHEN USED FOR OTHER THAN THE INTENDED PURPOSE OR WHEN USED AT OTHER THAN THE COMPILED SCALE.

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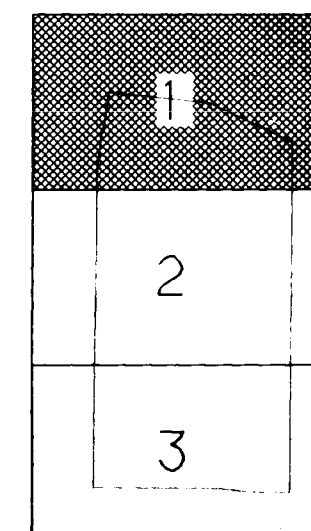
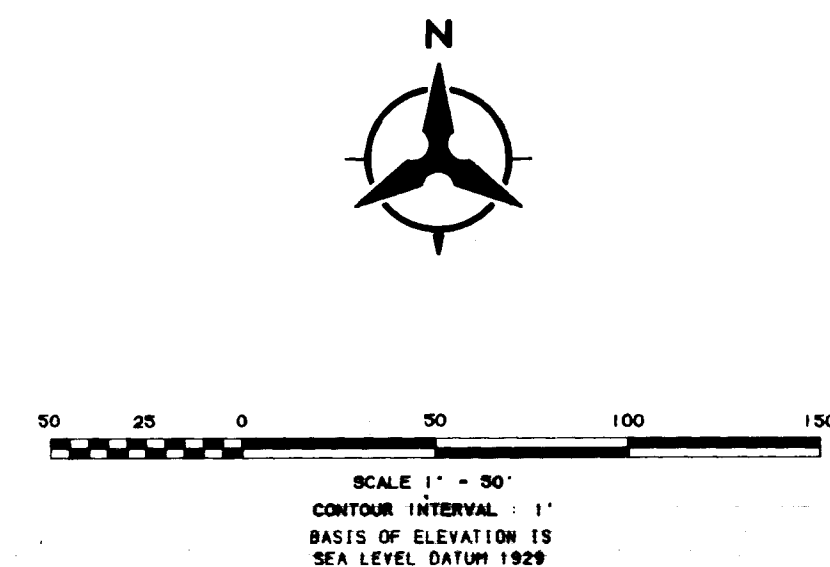
200 FOOT GRID IS BASED ON A LOCAL COORDINATE SYSTEM. BASIS OF BEARINGS IS THE NEW MEXICO STATE PLANE GRID SYSTEM, CENTRAL ZONE.

SYMBOL	PT #	X	Y	Z
⊙	20	0.000	0.000	5455.10
⊙	36	50956.059	51651.514	5466.34
⊙	38	50069.921	51675.584	5454.38
⊙	3001	49961.393	53957.760	5452.71
⊙	3004	51045.980	53481.278	5455.95
⊙	3006	50049.461	53337.764	5440.98

HORIZONTAL & VERTICAL CONTROL
POINT
VERTICAL CONTROL POINT
INDEX CONTOUR
DEPRESSION INDEX CONTOUR
INTERMEDIATE CONTOUR
DEPRESSION INTERMEDIATE CONTOUR
SPOT ELEVATION
PERMANENT BUILDING
SEMI-PERMANENT BUILDING
CONCRETE SLAB
ASPHALT ROAD
ASPHALT PARKING
CONCRETE PARKING
CURB
CURB AND GUTTER 1"=50'
CONCRETE VALLEY GUTTER
SURFACED TRAIL
SIDEWALKS
BRIDGE
GUARD RAIL

LEGEND
DRIVEWAY
CONCRETE GUARDRAIL
UNGRADED ROAD
MASONRY WALL
RETAINING WALL
GATE
FLAG POLE
POST
SIGN SINGLE POST
TREE
UNIDENTIFIED LINE
UNIDENTIFIED SPOT
CHAINLINK FENCE
BOARD/RAIL FENCE
TELEPHONE PEDESTAL
DEBRIS PILE
BERM/DIKE
UNLINED DITCH

LINED CHANNEL
MAIN VALVE
MANHOLE (WATER)
FIRE HYDRANT
MANHOLE
CULVERT
DROP INLET
POLE
PRIMARY ELECTRICAL DISTRIBUTION
DOWN GUY ANCHOR
ELECTRICAL BOX
STREETLIGHT REGULATOR
STREET LIGHT
STREET LIGHT ON METAL STANDARD
PULLBOX
TRAFFIC SIGNAL
BOUNDARY LINE

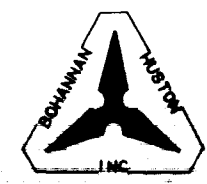


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TOPOGRAPHIC MAP
OF
I-40/EUBANK DEVELOPMENT
ALBUQUERQUE, NEW MEXICO

SCANNED BY
BY LADON

SHEET 4a OF 34



PREPARED BY BOHANNAN-HUSTON, INC., ALBUQUERQUE, NEW MEXICO



THIS COMPUTER PLOTTED MAP WAS GENERATED FROM DATA COMPILED BY DIGITAL STEREOPHOTODIAGRAMMETRIC METHODS USING VERTICAL AERIAL PHOTOGRAPHY EXPOSED ON JANUARY 29, 1991 AT A NOMINAL FLIGHT HEIGHT OF 17000 ABOVE MEAN TERRAIN IN A 7 INCH 15/23 AERIAL CAMERA SERIAL NUMBER 127792 CALIBRATED FOCAL LENGTH 153.506MM.

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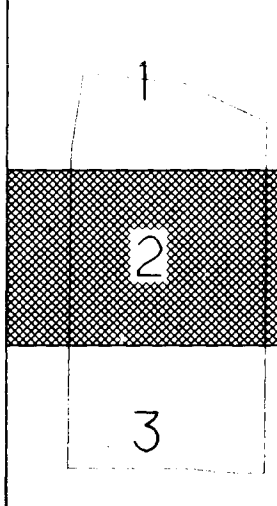
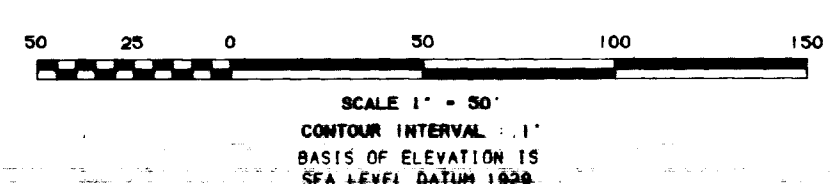
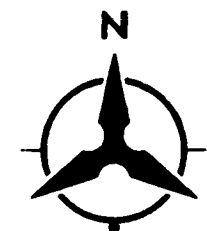
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△	3004	51045.980	53481.278	5455.95
△	3006	50049.461	53337.764	5440.98

LEGEND

HORIZONTAL & VERTICAL CONTROL POINT
VERTICAL CONTROL POINT
INDEX CONTOUR
DEPRESSION INDEX CONTOUR
INTERMEDIATE CONTOUR
DEPRESSION INTERMEDIATE CONTOUR
SPOT ELEVATION
PERMANENT BUILDING
SEMI-PERMANENT BUILDING
CONCRETE SLAB
ASPHALT PARKING
CONCRETE PARKING
CURB
CURB AND GUTTER 1'-50"
CONCRETE VALLEY GUTTER
SURFACED TRAIL
SIDEWALKS
BRIDGE
GUARD RAIL

DRIVEWAY
CONCRETE GUARDRAIL
UNGRADED ROAD
MASONRY WALL
RETAINING WALL
GATE
FLAG POLE
POST
SIGN SINGLE POST
TREE
UNIDENTIFIED LINE
UNIDENTIFIED SPOT
CHAINLINK FENCE
BOARD/RAIL FENCE
TELEPHONE PEDESTAL
DEBRIS PILE
BUSH/SHRUB
H-FRAME SIGN
BERM/DIKE
UNLINED DITCH

LINED CHANNEL
MAIN VALVE
MANHOLE (WATER)
FIRE HYDRANT
MANHOLE
CULVERT
DROP INLET
POLE
PRIMARY ELECTRICAL DISTRIBUTION
DOWN GUY ANCHOR
ELECTRICAL BOX
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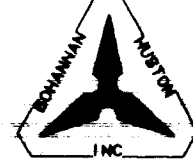


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 1237.9004928

TOPOGRAPHIC MAP
OF
I-40/EUBANK DEVELOPMENT
ALBUQUERQUE, NEW MEXICO

SCANNED BY LAG

SHEET 4b OF 34



PREPARED BY BOHANNAN-HUSTON, INC. ALBUQUERQUE, NEW MEXICO

APR 11 1991 11:43:37 AM - SH12.GIF
CPL FEBRUARY 5, 1991



THIS COMPUTER PLOTTED MAP WAS GENERATED FROM DATA COMPILED BY DIGITAL STEREOPHOTODIAGRAMMATIC METHODS USING VERTICAL AERIAL PHOTOGRAPHY EXPOSED ON JANUARY 29, 1991 AT A NOMINAL FLIGHT HEIGHT OF 1500' ABOVE MEAN TERRAIN IN A ZEISS ROMA 15/23 AERIAL CAMERA. SERIAL NUMBER 127792. CALIBRATED FOCAL LENGTH 153.506mm.

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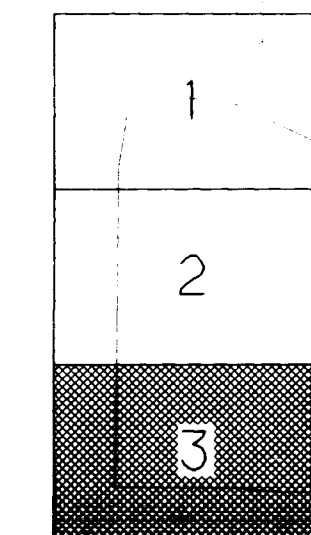
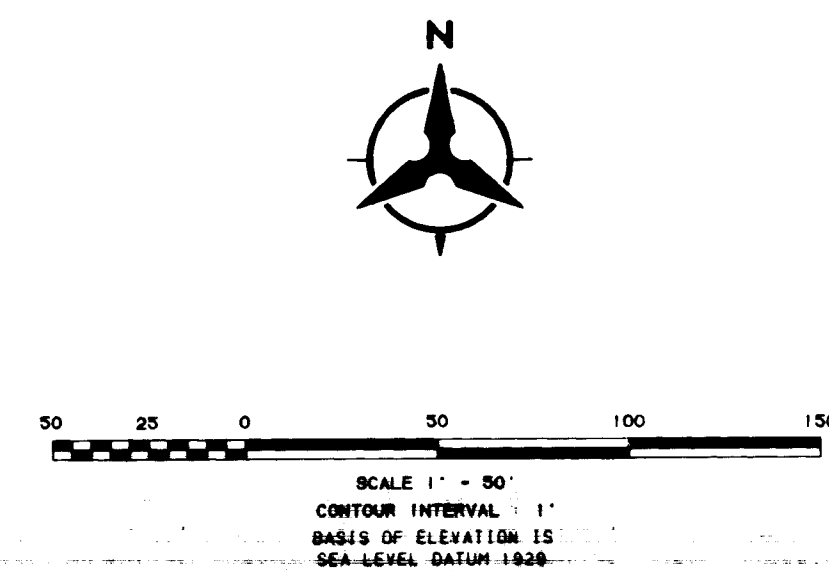
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ASPHALT ROAD
ASPHALT PARKING
CONCRETE PARKING
CURB
CURB AND GUTTER 1"=50"
CONCRETE VALLEY GUTTER
SURFACED TRAIL
SIDEWALKS
BRIDGE
GUARD RAIL

DRIVEWAY
CONCRETE GUARDRAIL
UNGRADED ROAD
MASONRY WALL
RETAINING WALL
GATE
FLAG POLE
POST
SIGN SINGLE POST
TREE
UNIDENTIFIED LINE
UNIDENTIFIED SPOT
CHAINLINK FENCE
BOARD/RAIL FENCE
TELEPHONE PEDESTAL
DEBRIS PILE
BUSH/SHRUB
H-FRAME SIGN
BERM/DIKE
UNLINED DITCH

LEGEND

LINED CHANNEL
MAIN VALVE
MANHOLE (WATER)
FIRE HYDRANT
MANHOLE
CULVERT
DROP INLET
POLE
PRIMARY ELECTRICAL DISTRIBUTION
DOWN GUY ANCHOR
ELECTRICAL BOX
STREETLIGHT REGULATOR
STREET LIGHT
STREET LIGHT ON METAL STANDARD
PULLBOX
TRAFFIC SIGNAL
BOUNDARY LINE



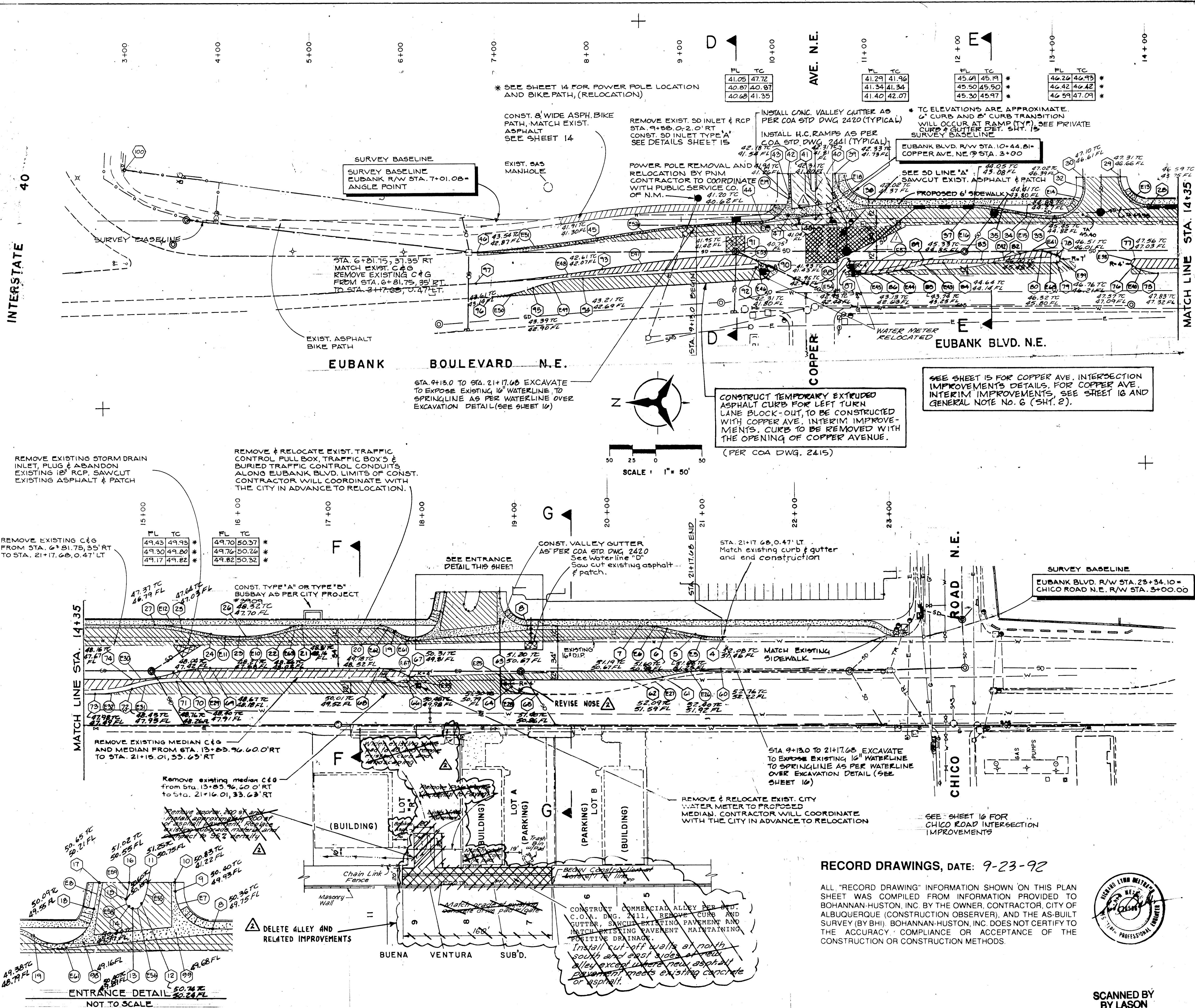
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4237.7004926

TOPOGRAPHIC MAP OF I-40/EUBANK DEVELOPMENT ALBUQUERQUE, NEW MEXICO

SCANNED BY
BY LASON

SHEET 4c OF 34

AMH17811451.DRAWN-SHYS-CAD
ENR FEBRUARY 5, 1991



NOTE: SEE DRAWINGS FOR "AS-BUILT" VALUES

POINT SCHEDULE
(EUBANK BLVD.)

POINT	STATION	OFFSET	F.L.	T.C.
4	21+17.68	0.47' LT	51.53	52.22
5	20+87.88	3.38' LT	51.13	51.80
6	20+56.98	9.56' LT	50.78	51.45
7	20+27.83	12.46' LT	51.17	51.84
8	19+07.58	12.54' LT	49.64	50.31
9	18+77.63	42.34' LT	49.87	50.37
10	18+77.58	49.33' LT	49.98	50.48
11	18+56.96	49.19' LT	50.40	50.90
12	18+49.95	30.48' LT	50.07	50.57
13	18+46.59	28.60' LT	49.91	50.41
14	18+44.54	28.59' LT	49.91	50.41
15	18+39.32	34.55' LT	50.07	50.57
16	18+42.26	49.09' LT	50.40	50.90
17	18+17.87	49.94' LT	49.94	50.44
18	18+12.82	23.75' LT	49.56	50.06
19	17+67.27	4.87' LT	48.78	49.45
20	17+40.29	12.82' LT	48.50	49.17
21	16+71.28	12.93' LT	47.93	48.60
22	16+54.21	9.96' LT	47.89	48.56
23	15+96.73	1.06' LT	47.71	48.38
24	15+67.36	4.01' LT	47.43	48.10
25	15+36.35	10.25' LT	47.10	47.77
27	15+06.99	13.20' LT	46.85	47.52
28	14+01.56	13.38' LT	46.09	46.76
29	13+71.61	43.18' LT	46.75	47.25
30	13+31.61	42.91' LT	46.75	47.25
32	13+31.69	31.74' LT	45.89	46.56
33	13+00.64	1.54' LT	45.11	45.78
34	12+71.28	4.49' LT	44.69	45.36
35	12+40.27	10.73' LT	44.59	45.26
37	12+10.90	13.69' LT	43.49	44.16
38	11+00.43	13.88' LT	41.23	41.90
39	10+65.49	48.64' LT	41.46	42.13
40	10+45.61	29.97' LT	41.69	42.19
41	10+39.61	29.98' LT	41.79	42.29
42	10+15.49	48.30' LT	41.46	42.13
43	10+15.63	27.61' LT	41.24	41.91
44	9+15.49	2.57' RT	40.49	41.16
45	8+10.41	19.61' RT	40.86	41.53
46	6+79.35	33.98' RT	42.63	43.30
47	10+15.80	1.63' LT	40.69	40.69
48	10+65.75	8.86' LT	41.01	41.01
60	21+15.21	33.63' RT	52.17	52.67
61	20+52.69	41.83' RT	51.87	52.37
62	20+19.59	45.48' RT	51.74	52.24
63	18+91.41	45.27' RT	50.74	51.24
64	18+89.28	52.66' RT	50.86	51.36
65	19+18.17	60.27' RT	50.91	51.41
66	17+72.92	48.11' RT	MATCH EXIST.	
67	17+75.04	40.71' RT	MATCH EXIST.	
68	17+48.70	33.20' RT	MATCH EXIST.	
69	15+66.50	32.89' RT	48.04	48.57
70	15+21.43	39.62' RT	47.91	48.41
71	15+30.65	47.70' RT	48.38	48.88
72	14+82.47	55.26' RT	47.84	48.34
73	14+43.43	60.40' RT	47.43	47.93
74	14+82.26	44.76' RT	47.64	48.14
75	14+12.22	60.37' RT	47.20	47.70
76	13+84.07	51.92' RT	47.65	48.15
77	13+86.31	44.60' RT	46.74	47.24
78	13+07.28	34.67' RT	MATCH EXIST.	
79	13+05.58	48.46' RT	MATCH EXIST.	
80	12+90.12	33.46' RT	MATCH EXIST.	
82	12+63.63	38.64' RT	45.45	45.95
83	12+21.50	44.60' RT	44.79	45.29
84	11+83.43	48.28' RT	44.33	44.83
85	11+39.50	54.77' RT	43.36	43.86
86	11+07.48	59.94' RT	42.67	43.17
87	10+81.63	53.07' RT	42.40	42.90
88	10+83.57	45.62' RT	42.19	42.69
89	11+61.56	44.50' RT	43.51	44.01
90	9+81.00	37.09' RT	MATCH EXIST.	
91	9+75.84	37.07' RT	MATCH EXIST.	
92	9+80.97	53.07' RT	MATCH EXIST.	
93	8+15.63	53.21' RT	41.98	42.48
94	7+93.41	62.98' RT	42.69	43.19
95	7+40.71	73.15' RT	42.85	43.45
96	6+94.85	83.09' RT	43.29	43.79
97	6+81.47	67.91' RT	43.22	43.72
98	18+06.99	0.00' LT	49.04	
99	18+77.85	8.83' LT	49.47	
100	3+03.67	54.14' LT		

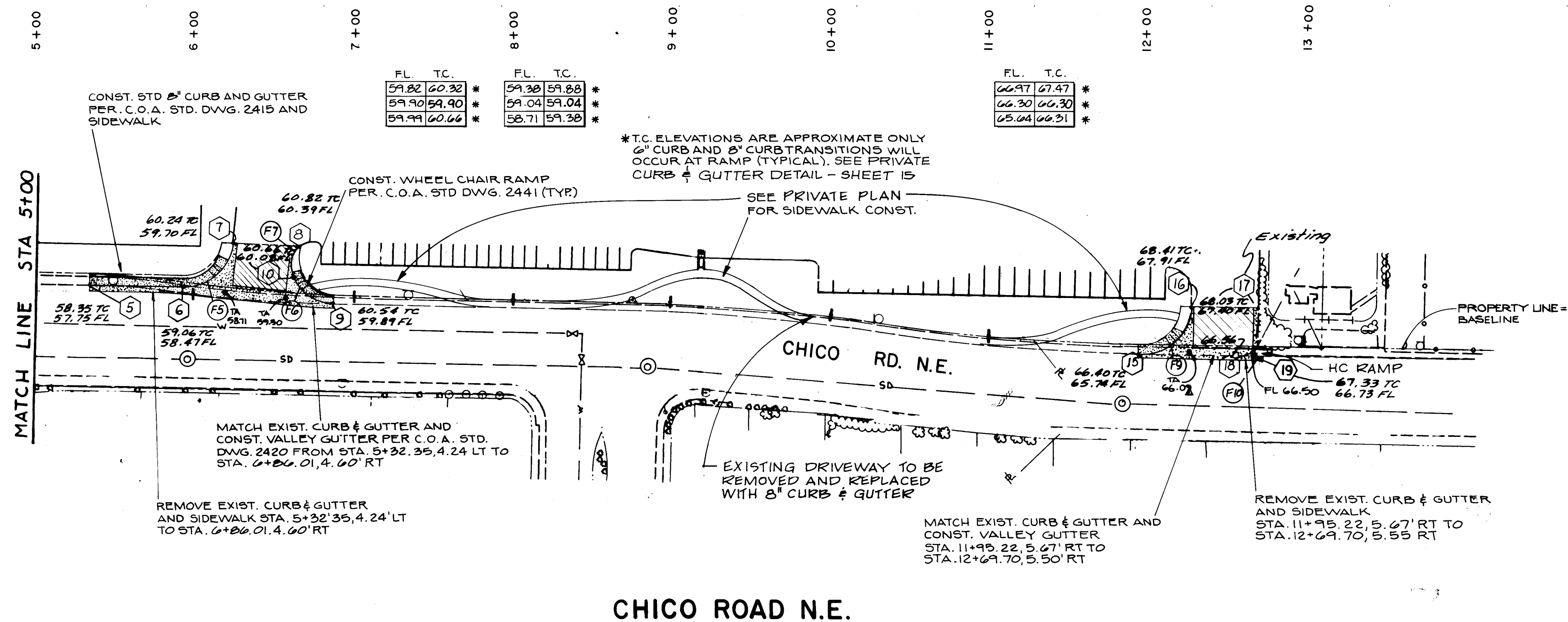
RECORD DRAWINGS, DATE: 9-23-92

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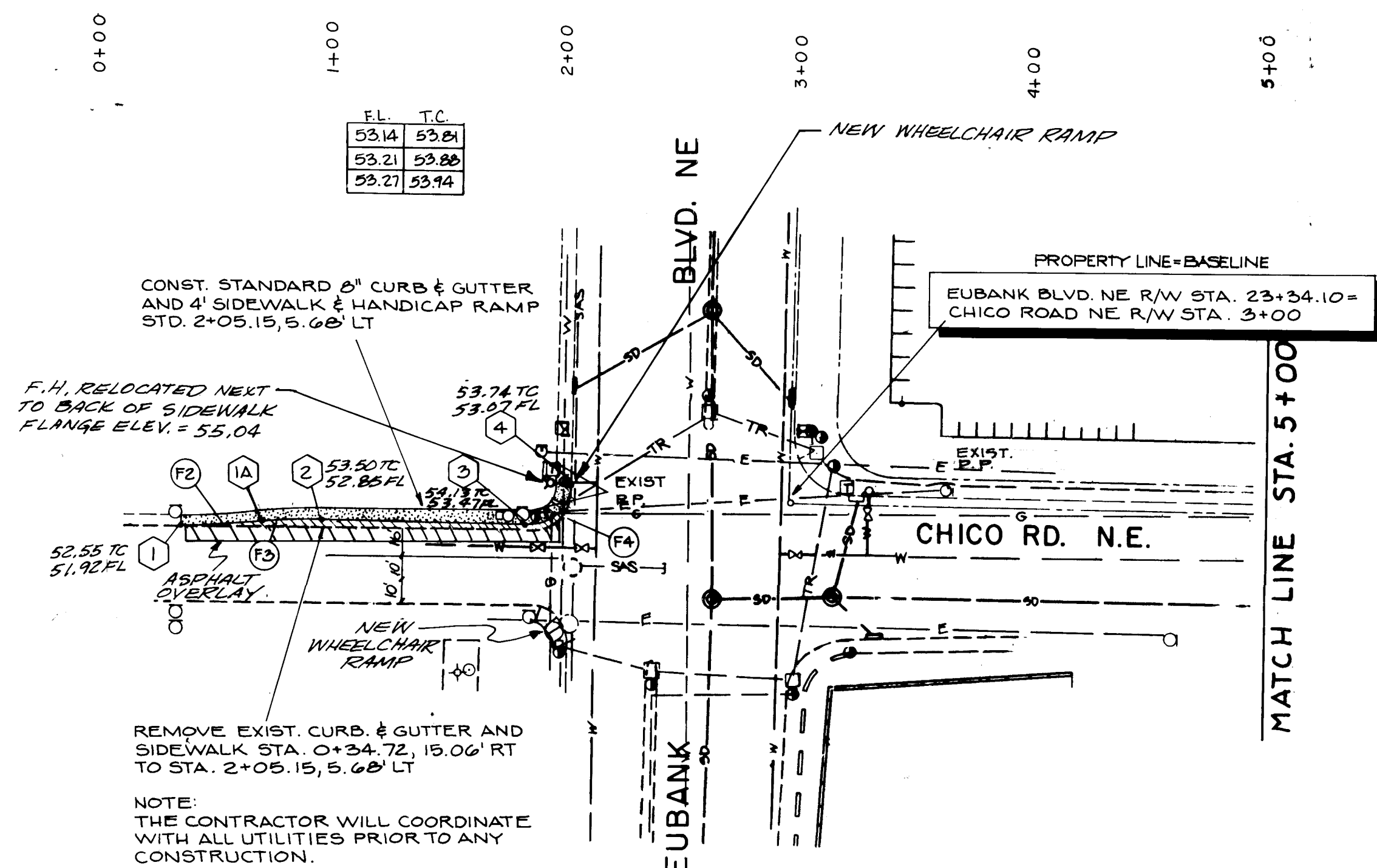


26 4237.90 0992

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TOWNE PARK PLAZA					
EUBANK BLVD. PLAN SHEET					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	11-23-91	11-23-91	WATER	11-23-91	11-23-91
TRANSPORTATION	11-23-91	11-23-91	WASTE WATER	11-23-91	11-23-91
HYDROLOGY	11-23-91	11-23-91			
DRAWING NO. 423790		MAP NO. K-2IS		SHEET 5 OF 5	



CHICO ROAD N.E.



CHICO ROAD N.E.

CHICO CURVE DATA

	P.I.	Delta	5° 37' 35.8"
	D	15° 4' 40"	
F2	T	18.67'	
	L	37.32'	
	R	380.00'	
	P.I.	Delta	5° 58' 48.5"
	D	15° 4' 40"	
F3	T	19.85'	
	L	39.66'	
	R	380.00'	
	P.I.	Delta	89° 4' 11.7"
	D	229° 10' 59"	
F4	T	24.60'	
	L	38.86'	
	R	25.00'	
	P.I.	Delta	85° 10' 6.4"
	D	190° 59' 09"	
F5	T	27.57'	
	L	44.59'	
	R	30.00'	
	P.I.	Delta	64° 59' 49.6"
	D	190° 59' 10"	
F6	T	19.11'	
	L	34.03'	
	R	30.00'	
	P.I.	Delta	74° 53' 27.2"
	D	381° 58' 14"	
F7	T	11.49'	
	L	19.61'	
	R	15.00'	
F8	(NOT USED)		
	P.I.	Delta	90° 6' 23.1"
	D	190° 59' 10"	
F9	T	30.06'	
	L	47.18'	
	R	30.00'	
F10	P.I.	Delta	90° 23' 02"
	D	N/A	
	T	2.01'	
	L	2.01'	
	R	3.15'	

POINT SCHEDULE
NOTE: SEE DRAWING FOR "AS-BUILT" VALUES
CHICO BLVD. NE

POINT	STATION	OFFSET	F.L.	T.C.
1	0+37.13	15.08' RT	51.67	52.34
1A	0+74.38	13.02' RT	51.99	52.66
2	1+13.97	10.96' RT	52.19	52.86
3	1+80.46	10.31' RT	53.34	54.01
4	2+05.20	14.54' LT	53.08	53.75
5	5+32.35	4.24' LT	57.47	58.14
6	5+91.10	4.23' LT	58.37	59.04
7	6+21.00	31.70' LT	59.71	60.21
8	6+62.75	30.54' LT	60.27	60.77
9	6+86.01	4.60' RT	59.73	60.40
10	5+58.82	12.72' LT	60.07	60.57
15	11+95.22	5.67' RT	64.97	65.64
16	12+25.28	24.32' LT	67.64	68.14
17	12+67.70	24.32' LT	67.64	68.14
18	12+67.69	3.55' RT	66.71	67.21
19	12+69.70	5.55' RT	66.52	67.15

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RECORD DRAWINGS, DATE: 9-23-92

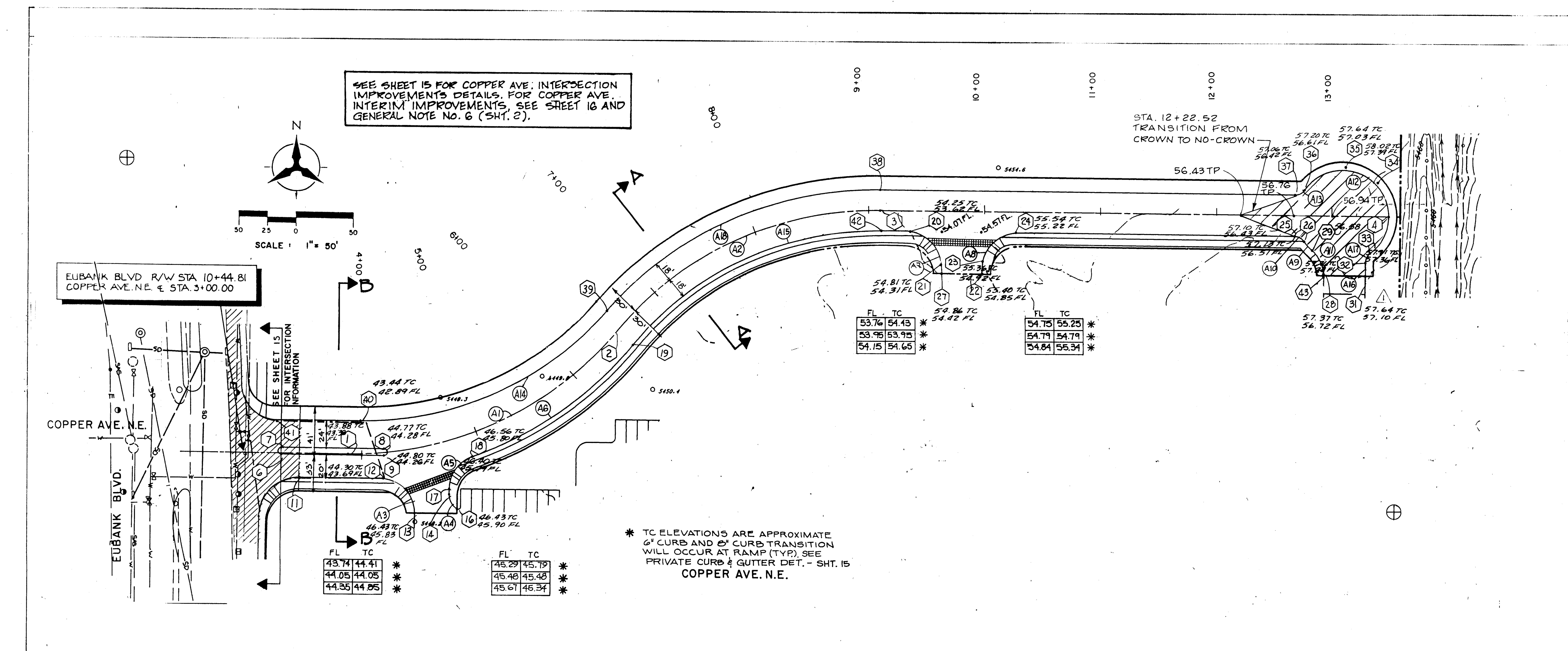
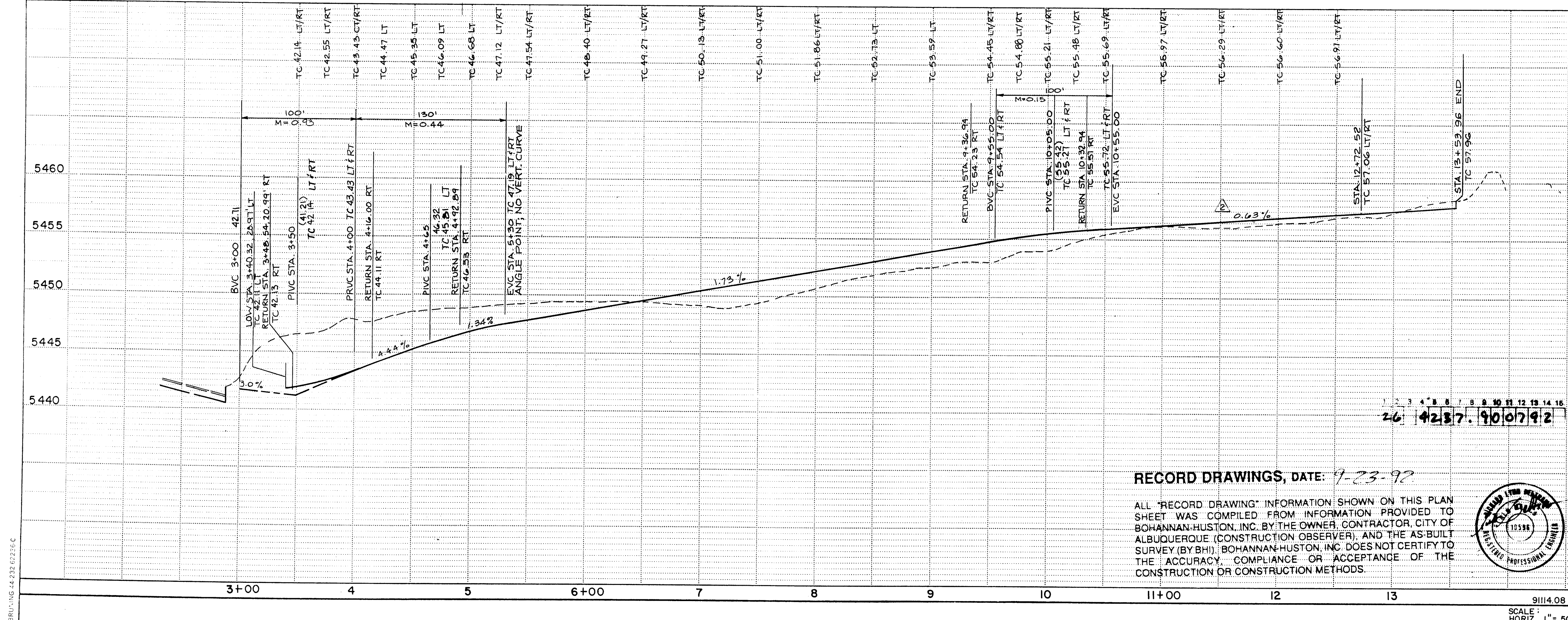
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SCANNED BY: JASON

91114.08

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TOWNE PARK PLAZA CHICO RD. PLAN & DETAIL SHEET					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Ronald Shon	12-3-91	WATER	11-27-91	
TRANSPORTATION	J. Shon	11-27-91	WASTE WATER		
HYDROLOGY	J. Shon	11-27-91			
DRAWING NO.	423790	MAP NO.	K-21	SHEET	6 OF 34

BRU/ING 44 232 02256 C



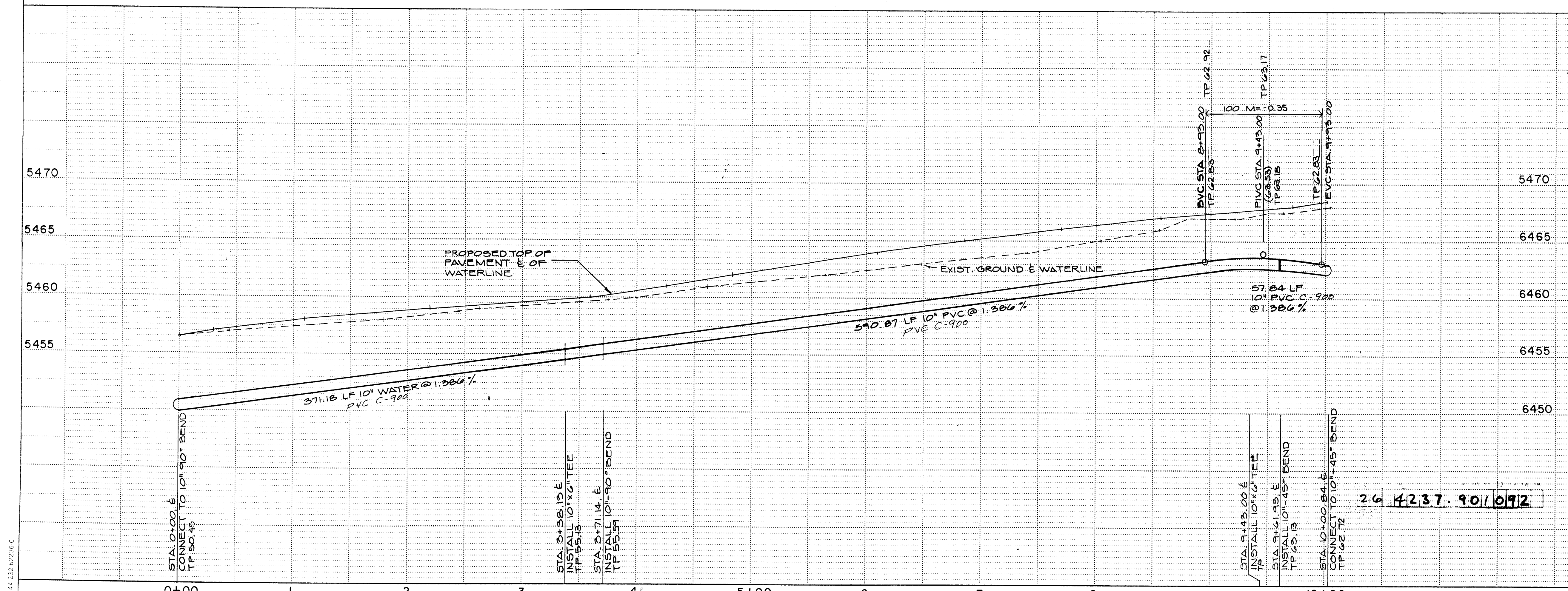
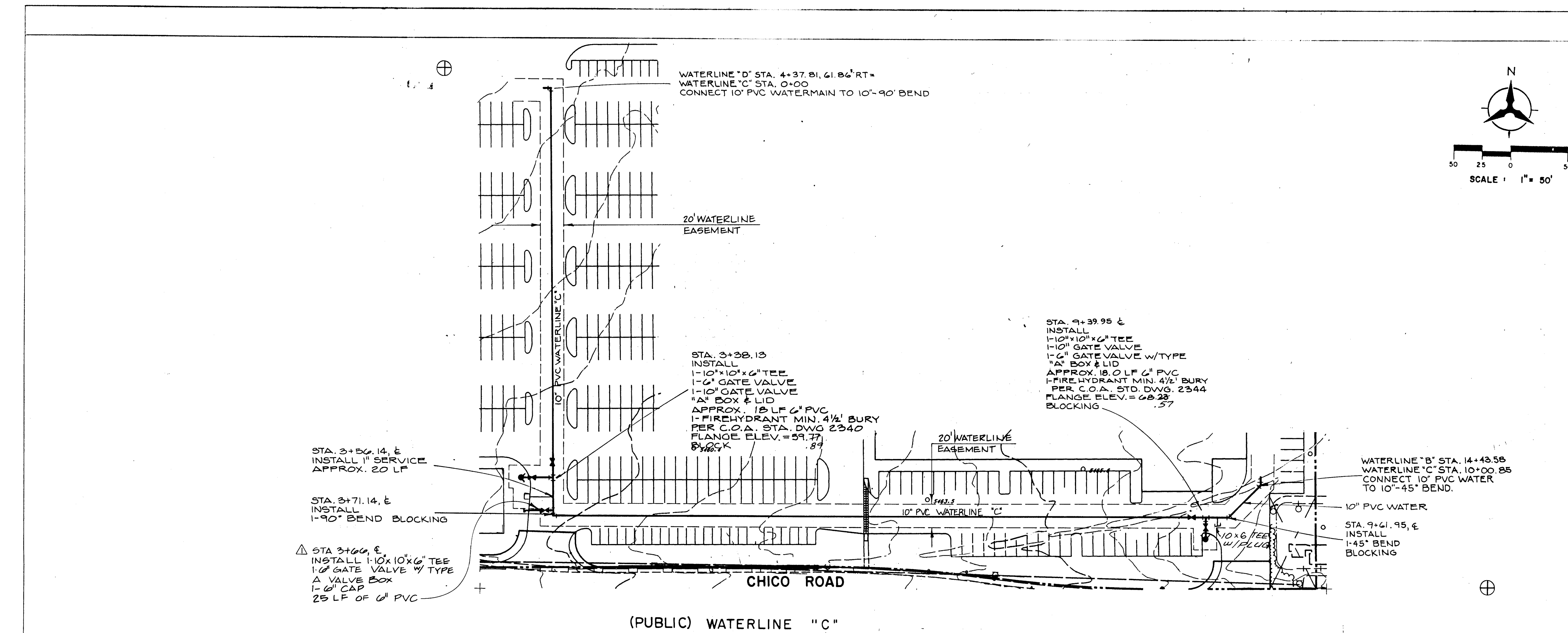
RECORD DRAWINGS, DATE: 7-23-92

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NOTE: SEE DRAWING FOR "AS-BUILT" VALUES					
POINT SCHEDULE					
NOTE: POINT NUMBERS ARE IN HEXAGONS ON PLAN					
COPPER BLVD. NE					
POINT	STATION	OFFSET	F.L.	T.C.	
1	3+90.01	P.C.	N/A	N/A	
2	6+55.49	P.R.C.	N/A	N/A	
3	9+13.24	P.T.	N/A	N/A	
4	13+53.96	END	57.30	57.96	
5	3+30.01	1.0' RT	41.69	42.19	
6	3+30.01	5.0' LT	41.79	42.29	
7	4+21.31	3.39' LT	44.27	44.77	
8	4+20.69	2.58' RT	44.27	44.77	
9	3+48.50	21.00' RT	41.46	42.13	
10	4+16.01	22.21' RT	43.44	44.11	
11	4+39.04	55.74' RT	PL45.65	45.15	
12	4+67.18	45.45' RT	45.29	45.79	
13	4+70.14	59.52' RT	PL45.40	46.07	
14	4+68.28	40.73' RT	45.10	45.77	
15	4+92.88	19.68' RT	45.86	46.53	
16	6+54.42	18.00' RT	48.67	49.34	
17	9+36.94	18.00' RT	53.56	54.23	
18	9+60.94	48.40' RT	54.34	54.84	
19	10+02.94	55.00' RT(PL)	54.75	55.25	
20	10+02.94	48.00' RT	54.70	55.20	
21	10+32.94	18.00' RT	54.88	55.55	
22	12+72.60	18.00' RT	56.39	57.06	
23	12+80.81	22.40' LT	56.50	57.17	
24	9+67.55	55.00' RT(PL)	54.38	54.88	
25	12+97.65	50.38' RT	57.78	57.28	
26	12+87.74	30.15' RT	56.60	57.27	
27	13+40.95	51.64' RT(PL)	57.11	57.78	
28	13+33.94	40.00' RT	57.09	57.76	
29	13+37.94	32.00' RT	57.09	57.76	
30	13+42.23	28.28' LT	57.09	57.76	
31	13+13.95	40.00' LT	56.90	57.57	
32	12+80.81	22.40' LT	56.50	57.17	
33	12+72.52	18.00' LT	56.39	57.06	
34	9+13.73	18.00' LT	53.16	53.83	
35	6+61.97	18.00' LT	48.81	49.48	
36	4+01.53	28.80' LT	42.83	43.50	
37	3+77.80	29.00' LT	41.24	41.91	
38	9+13.73	18.00' LT	53.14	53.81	
39	12+97.77	51.64' RT(PL)	56.80	57.30	
COPPER CURVE DATA					
P.I.	50' 42" 12.3"	P.I.	199' 4" 38.7"		
D.I.	19' 5" 55"	D.I.	143' 14" 21"		
L	142.14'	L	238.04'		
R	285.48'	R	138.98'		
500.00'		400.00'			
P.I.	50' 42" 12.3"	P.I.	55' 56" 24.3"		
D.I.	19' 38" 02"	D.I.	5.31'		
L	138.27'	L	9.75'		
R	256.24'	R	10.00'		
291.82'					
P.I.	89' 59' 60.0"	P.I.	49' 25' 45.6"		
D.I.	190' 59' 09"	D.I.	20' 30' 24"		
L	30.00'	L	128.60'		
R	47.12'	R	241.04'		
30.00'		279.40'			
P.I.	57' 25' 17.4"	P.I.	50' 56' 21.4"		
D.I.	8.42'	D.I.	20' 55' 29"		
L	15.03'	L	243.44'		
R	15.00'	R	273.82'		
P.I.	69' 42' 7.7"	P.I.	89' 59' 60.0"		
D.I.	20' 59' 09"	D.I.	N/A		
L	36.50'	L	3.14'		
R	30.00'	R	2.00'		
P.I.	30' 38' 26.6"	P.I.	53' 8' 15.6"		
D.I.	87.94'	D.I.	5.20'		
L	171.66'	L	9.27'		
R	321.00'	R	10.00'		
P.I.	89' 59' 56.2"	P.I.	49' 25' 45.5"		
D.I.	190' 59' 09"	D.I.	18' 59' 36"		
L	30.00'	L	142.60'		
R	47.12'	R	267.28'		
30.00'		309.82'			
P.I.	90' 8' 51.9"	P.I.	143' 14' 22"		
D.I.	30.08'	D.I.	5.22'		
L	47.20'	L	10.38'		
R	30.00'	R	40.00'		
P.I.	14' 51' 54.4"	P.I.	N/A		
D.I.	5.22'	D.I.	5.31'		
L	10.38'	L	9.76'		
R	40.00'	R	10.00'		
P.I.	55' 56' 52.3"	P.I.	N/A		
D.I.	5.31'	D.I.	5.20'		
L	9.76'	L	9.27'		
R	10.00'	R	10.00'		
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TOWNE PARK PLAZA COPPER AVE. PLAN & PROFILE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	12-3-91	12-3-91	WATER	11-27-91	11-27-91
TRANSPORTATION	11-27-91	11-27-91	WASTE WATER	11-27-91	11-27-91
HYDROLOGY	11-27-91	11-27-91			
DRAWING NO. 4237.90		MAP NO. K-21		SHEET 7 OF 34	

SCANNED BY LASON



RECORD DRAWINGS, DATE: 7-23-92

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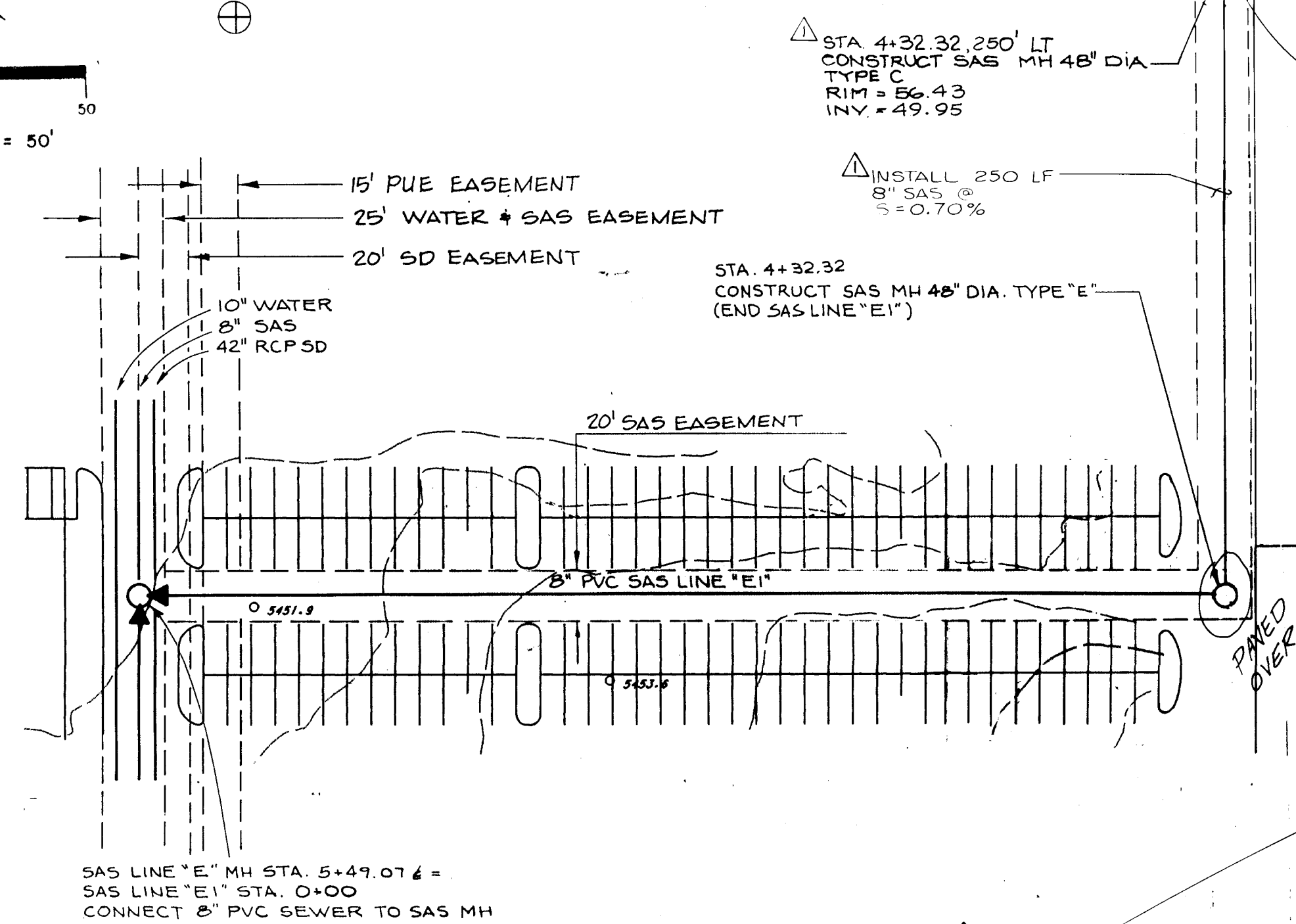
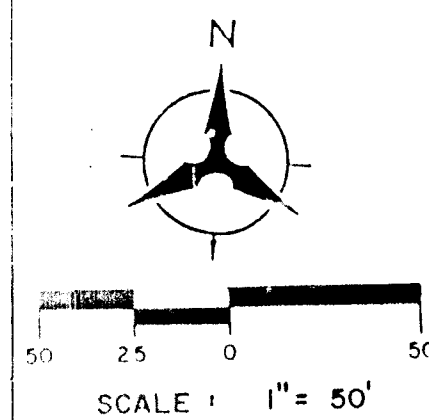
**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

**TITLE: TOWNE PARK PLAZA
WATERLINE "C" PLAN & PROFILE**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	11-27-91	WATER	<i>[Signature]</i>	11-27-91
TRANSPORTATION	<i>[Signature]</i>	11-27-91	WASTE WATER	<i>[Signature]</i>	11-27-91
HYDROLOGY	<i>[Signature]</i>	11-27-91			

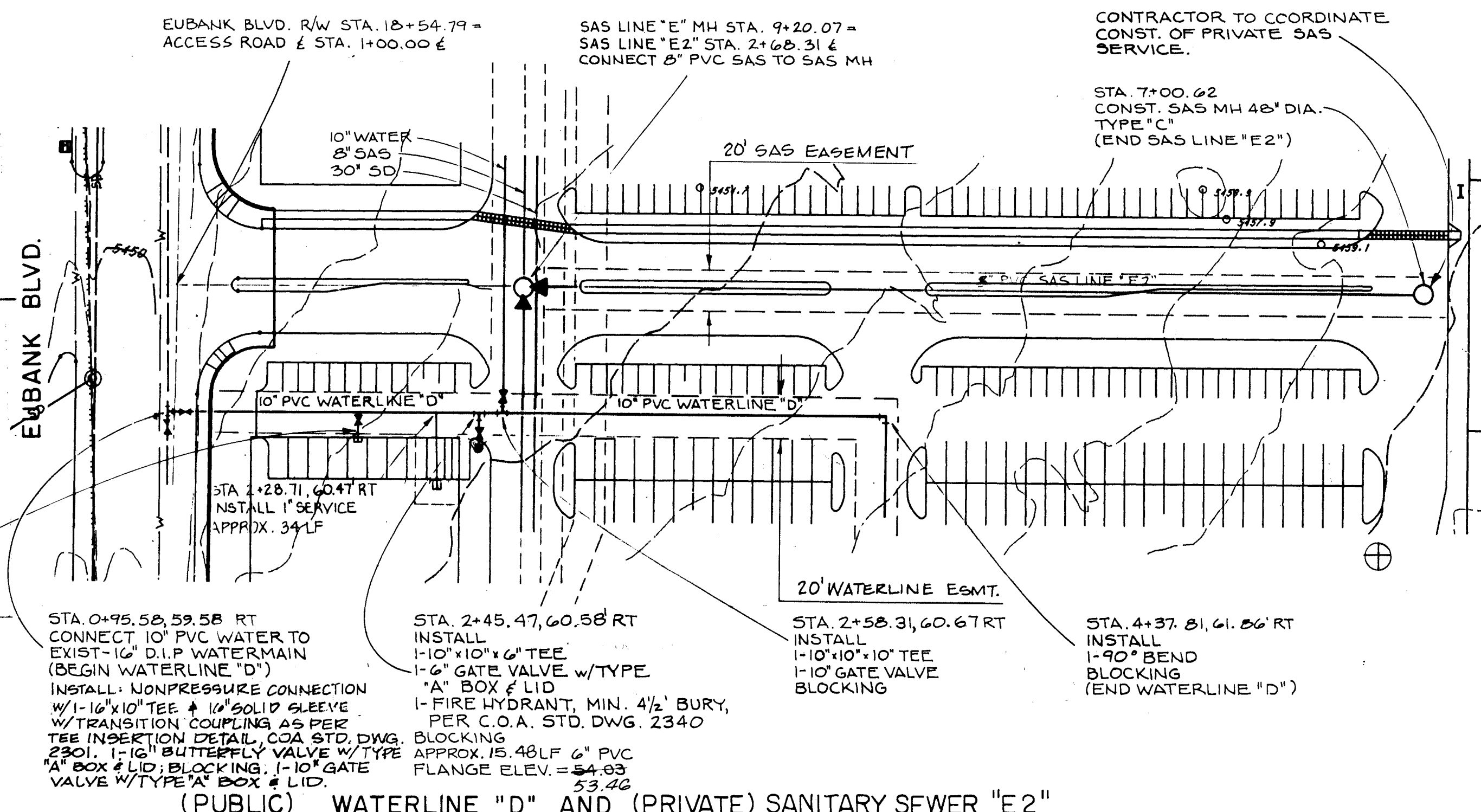
DRAWING NO. 4237.90 MAP NO. K-21 SHEET 10 OF 34

SCANNED BY LASON

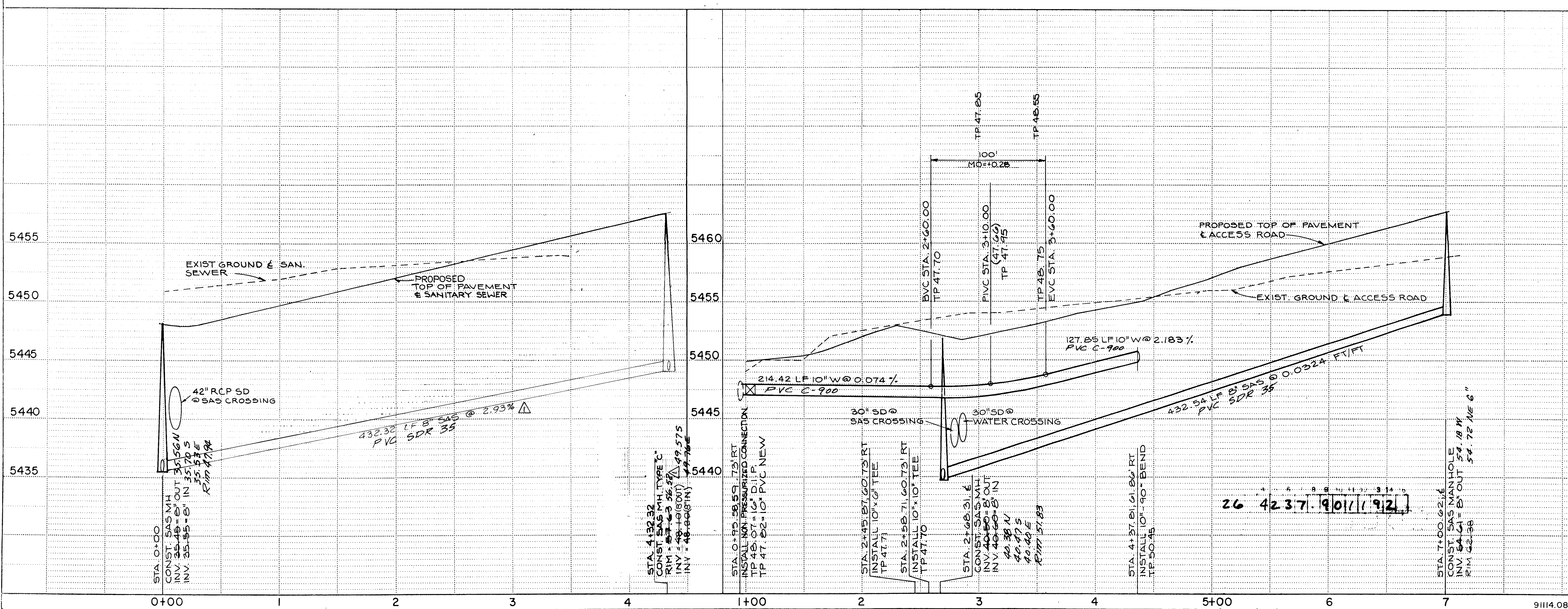
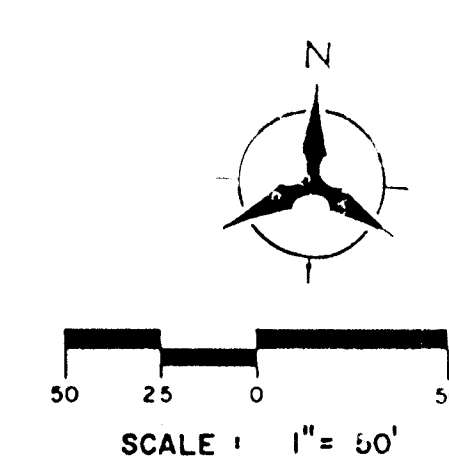


(PRIVATE) SANITARY SEWER "E1"

CONTRACTOR TO COORDINATE
CONST. OF PRIVATE SAS SERVICE

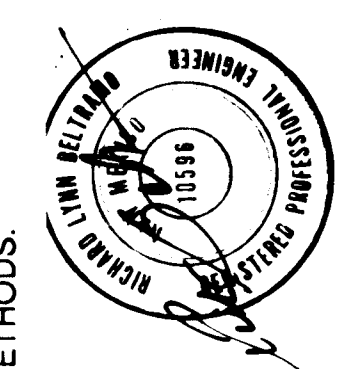


(PUBLIC) WATERLINE "D" AND (PRIVATE) SANITARY SEWER "E2"



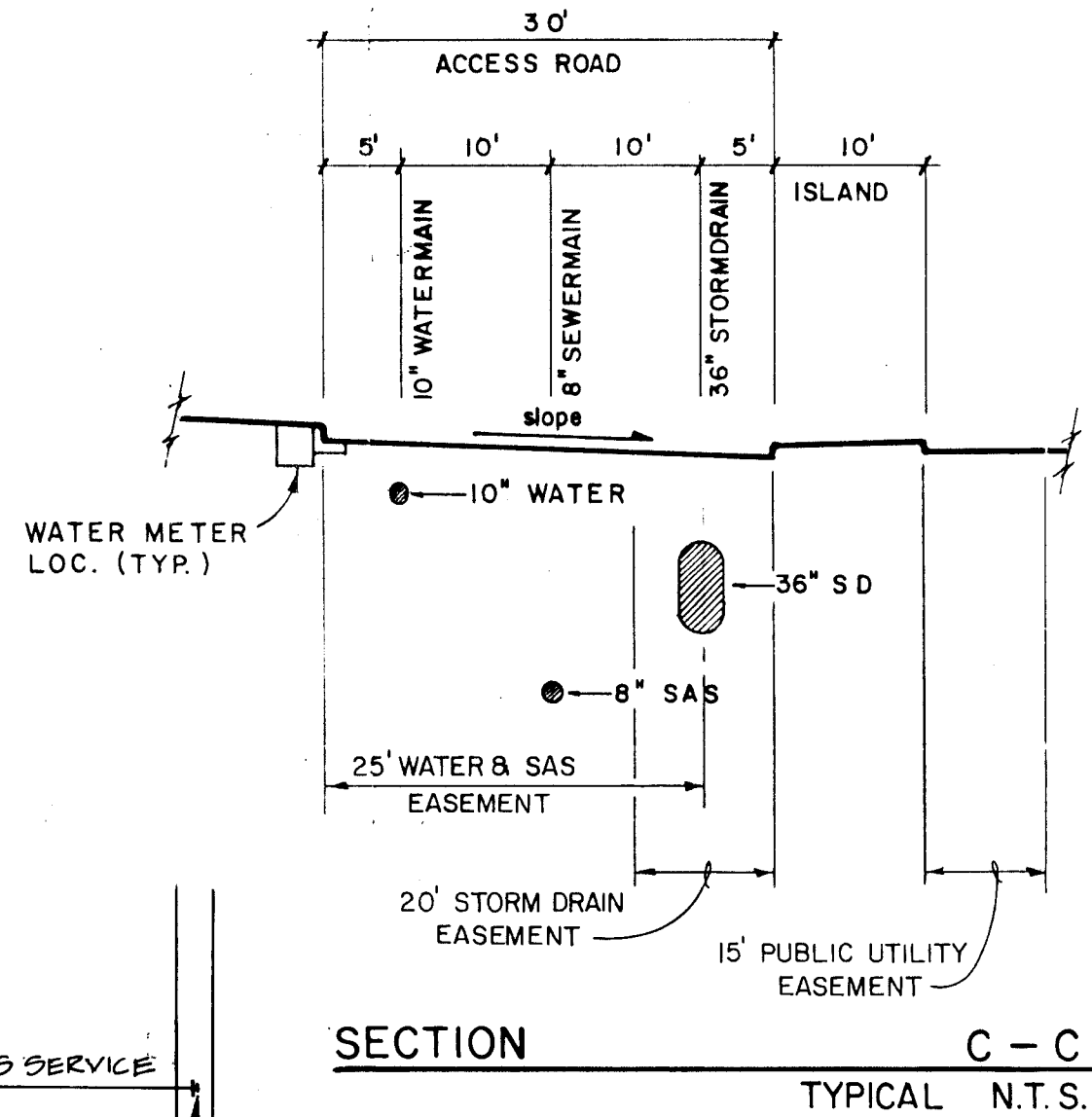
RECORD DRAWINGS, DATE: 9-23-92

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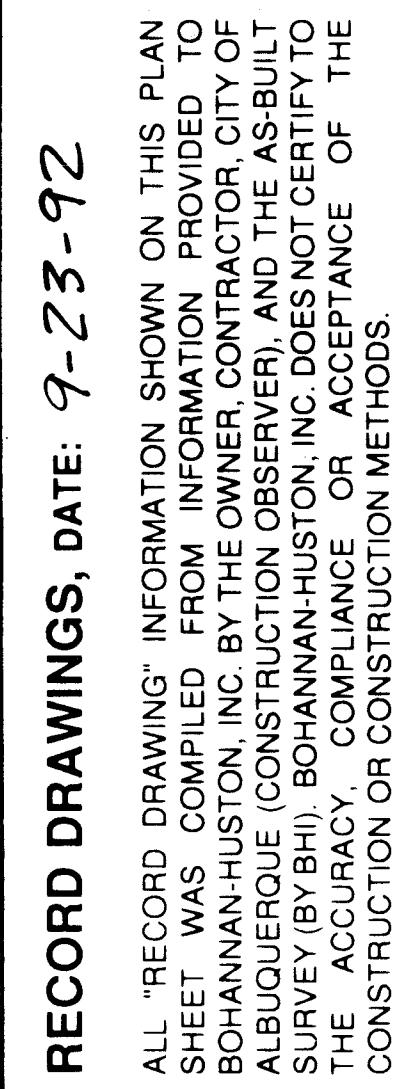


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: TOWNE PARK PLAZA WATERLINE "D" & SANITARY SEWER LINES "E1" & "E2" PLAN AND PROFILE			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer			Liquid Waste
A.C.E. - Design			Traffic
A.C.E. - Hydrology			Water
DESIGNED BY RLB		DATE 5-21-91	ENGINEER DATE
DRAWN BY GW LD		DATE 5-21-91	
CHECKED BY RLB		DATE 5-21-91	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	Substance Mechanical	STATION	LOCATED IN THE MEDIAN OF EUBANK BLVD., SOUTH OF THE INTERSTATE 40 AND EUBANK BLVD. BRIDGE. STATION MARK IS A STANDARD INCH BRASS TABLET STAMPED "STA. 1-40-3" AND SET IN A CONCRETE MONUMENT FLUSH WITH THE GROUND. ELEVATION = 5452.804	NO.	BY
INSPECTOR	BH	DATE			
DATE	10-16-92				
MICRO-FILM INFORMATION					
RECORDED BY	NO				
DATE					



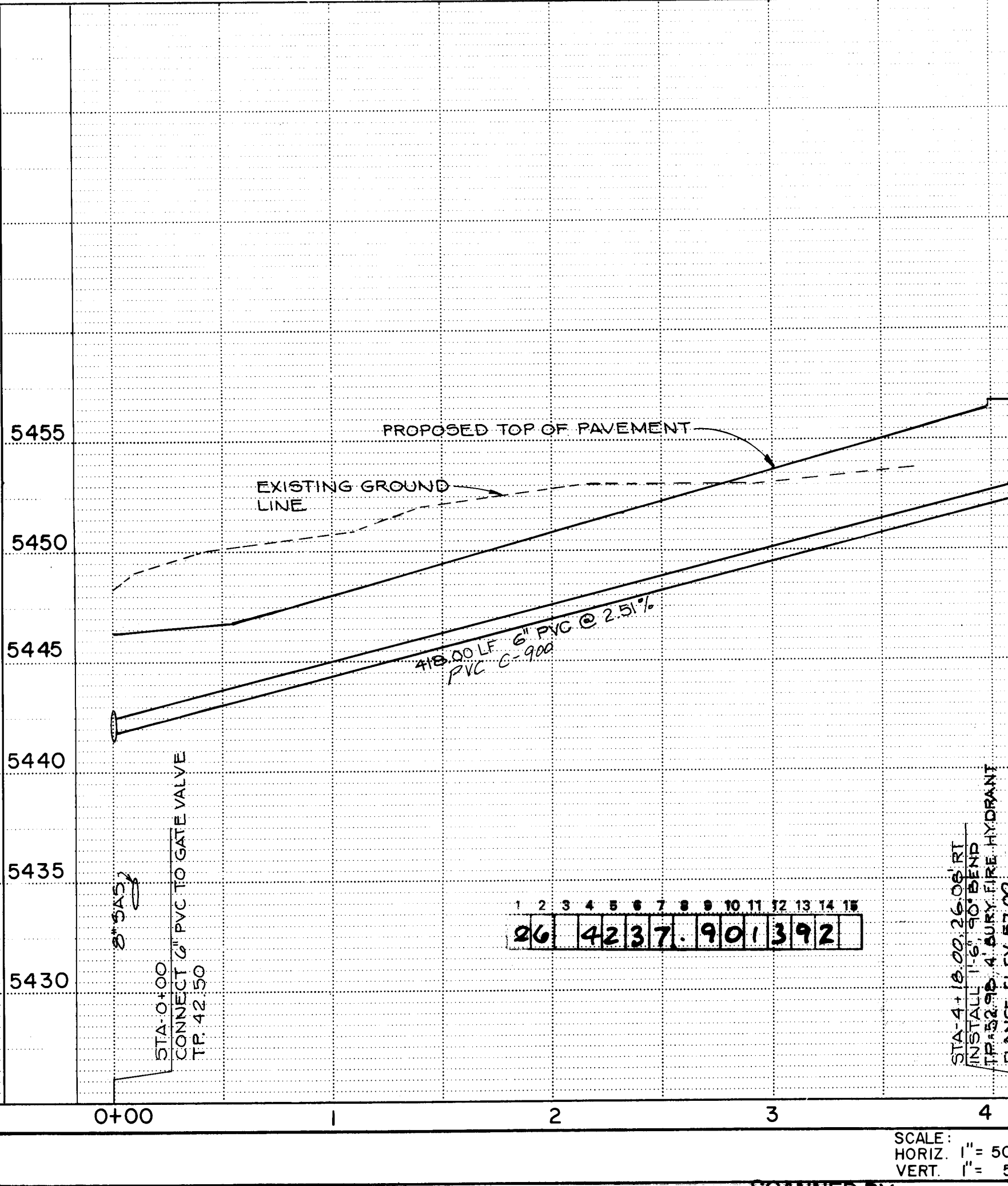
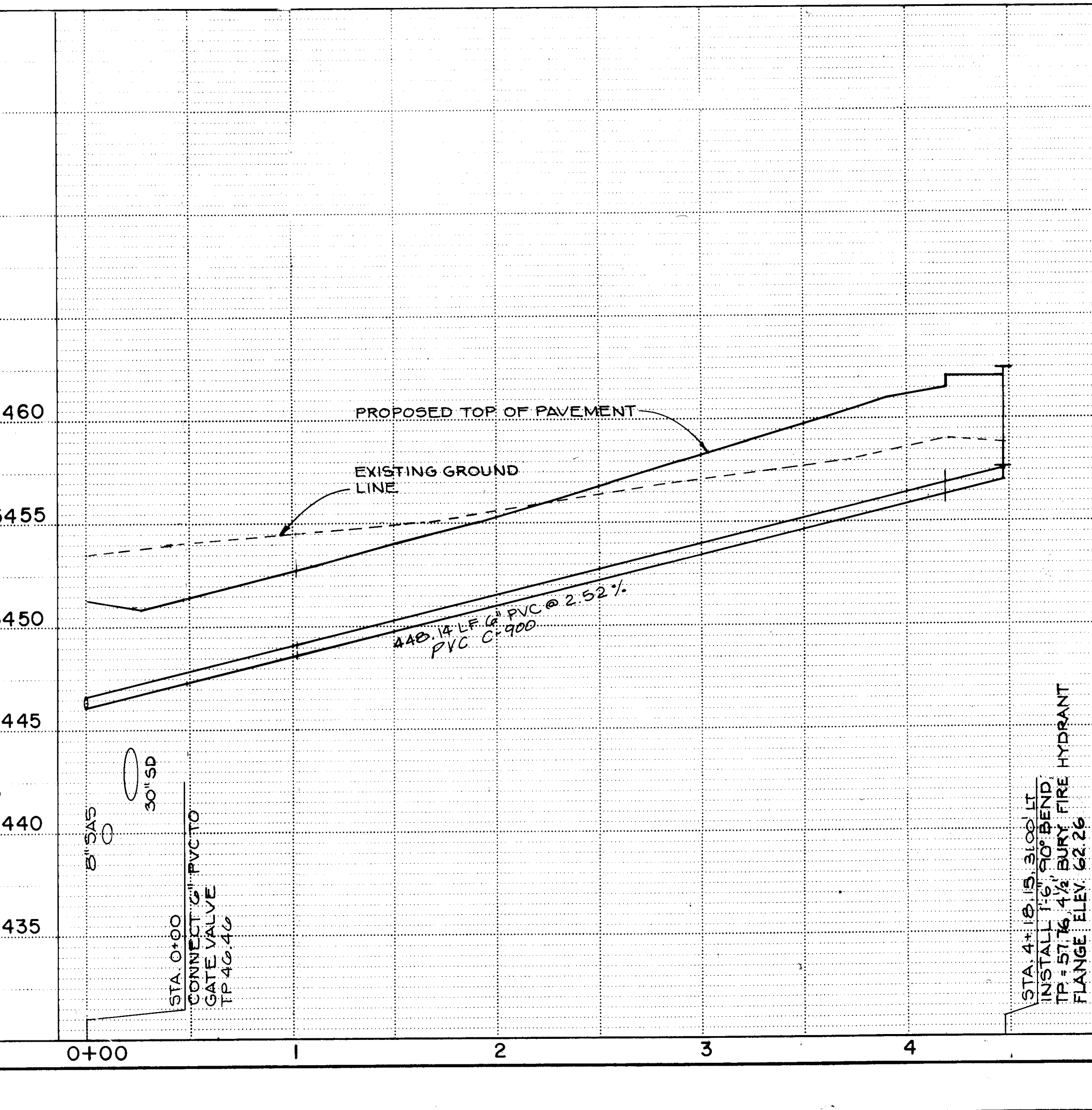
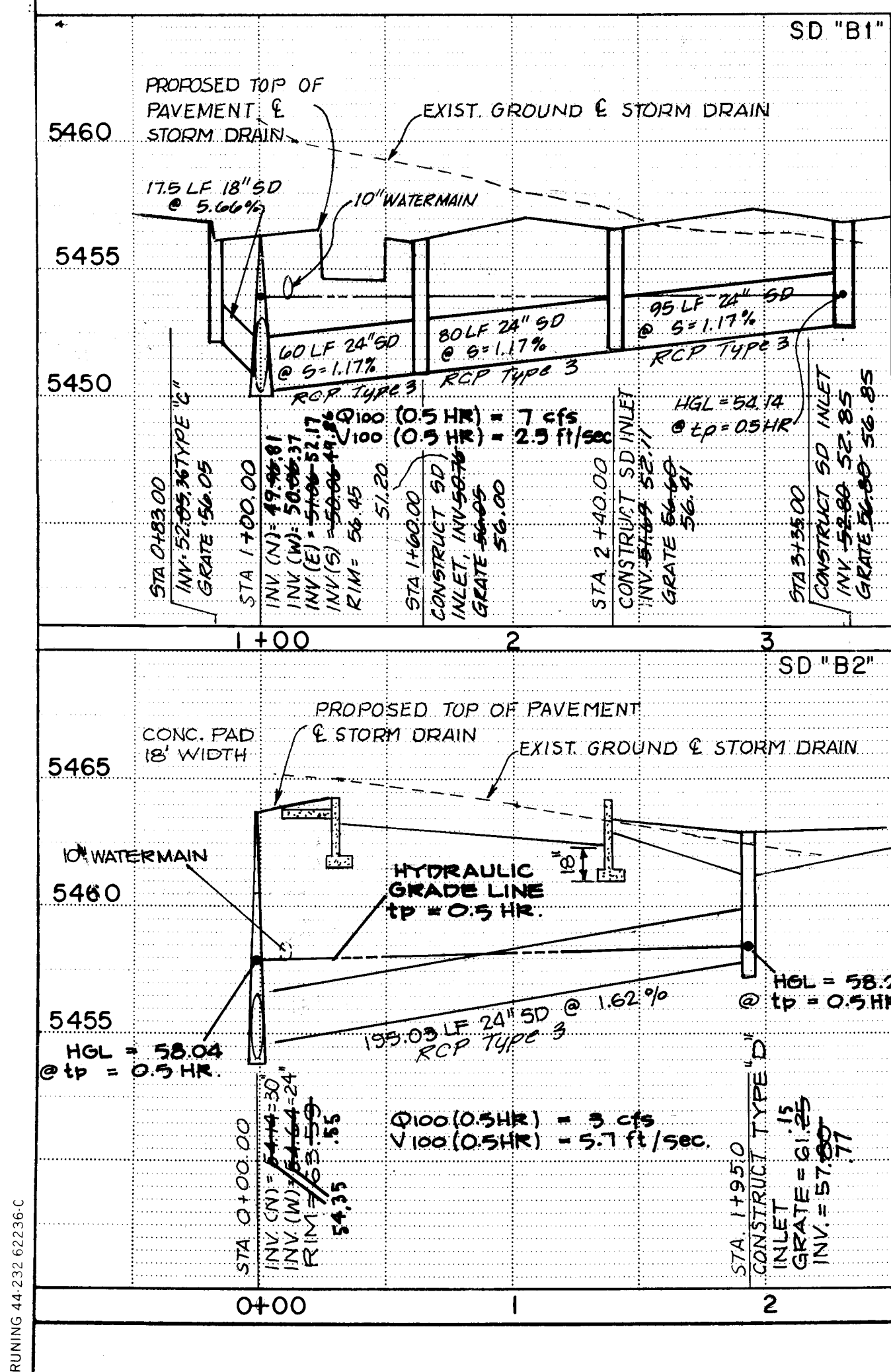
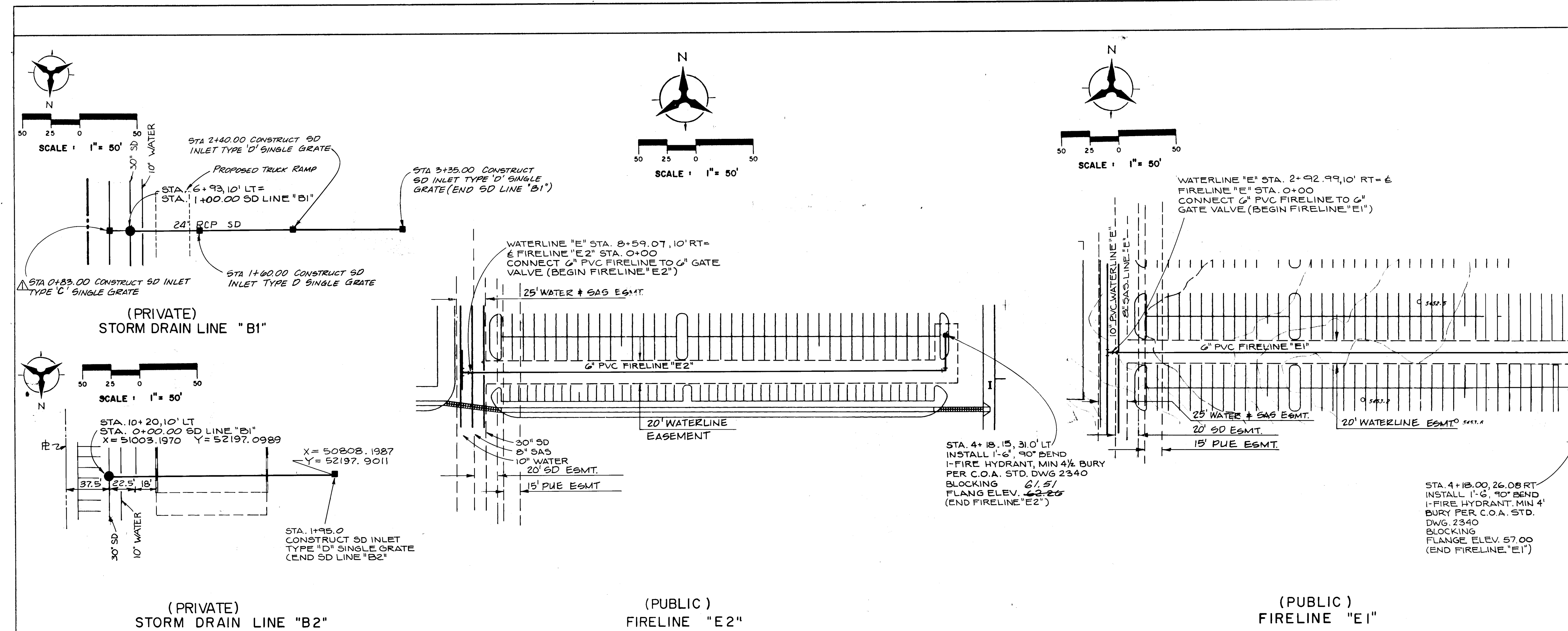
ENGINEER'S SEAL			#	
	1-0-92	FIRELINE ADDITIONS		RUB
	1-7-92	REVISIONS TO SAS SERVICE		RUB
	DEC 91	REVISIONS TO STORM DRAIN		RUB
	NO. DATE	REMARKS		BY
<i>REVISIONS</i>				
<i>DESIGN</i>				
DESIGNED BY	RUB/HBM	DATE	5-21-91	
DRAWN BY	GW/LD	DATE	5-21-91	
CHECKED BY		DATE	5-21-91	



APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	12-3-91	WATER	<i>[Signature]</i>	11-27-91
TRANSPORTATION	<i>[Signature]</i>	11-27-91	WASTE WATER	<i>[Signature]</i>	"
HYDROLOGY	<i>[Signature]</i>	11-27-91			

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

SCANNED BY
BY LASON

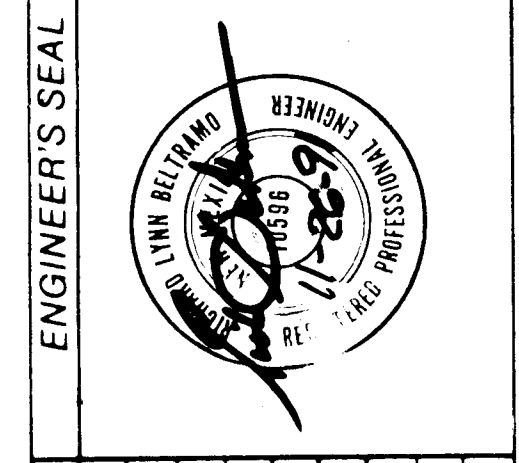


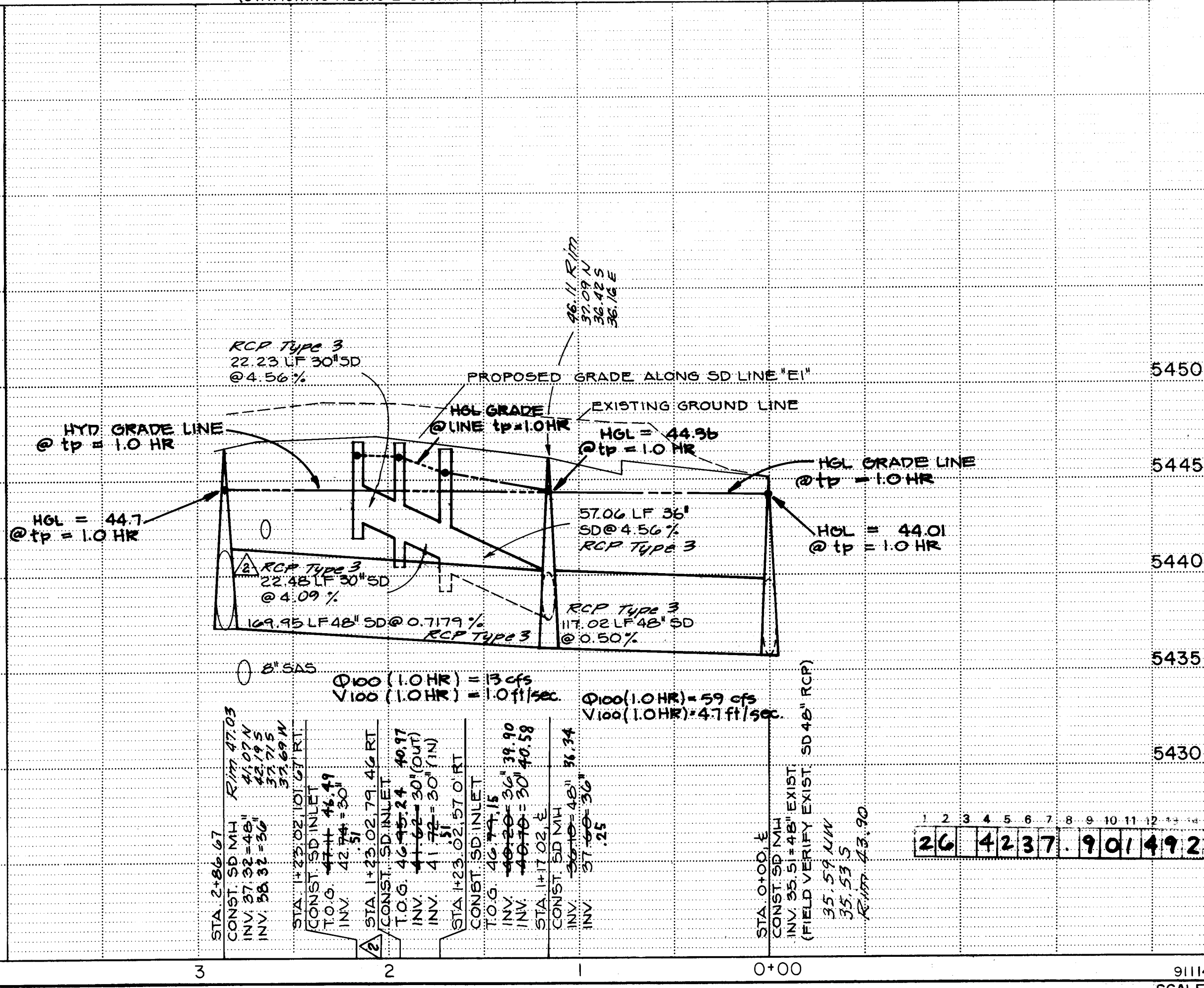
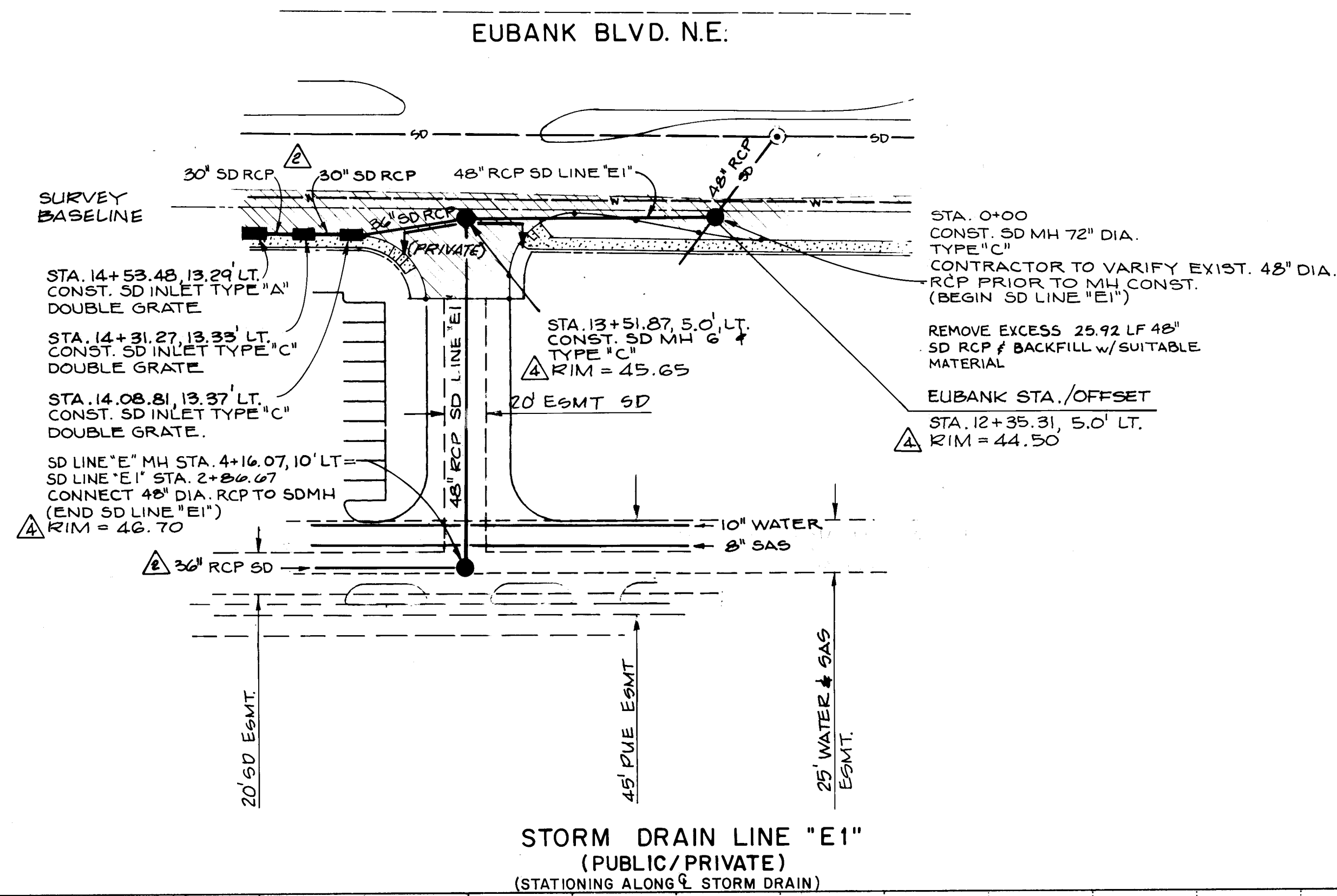
RECORD DRAWINGS, DATE: 9-23-92

ALL "RECORD DRAWING" INFORMATION SHOWN ON THIS PLAN SHEET WAS COMPILED FROM INFORMATION PROVIDED TO BOHANNAN-HUSTON, INC. BY THE OWNER, CONTRACTOR, CITY OF ALBUQUERQUE (CONSTRUCTION OBSERVER), AND THE AS-BUILT SURVEY (BY BH). BOHANNAN-HUSTON, INC. DOES NOT CERTIFY TO THE ACCURACY, COMPLIANCE OR ACCEPTANCE OF THE CONSTRUCTION OR CONSTRUCTION METHODS.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: TOWNE PARK PLAZA STORM DRAIN LINES "B1" & "B2", AND FIRELINES "E1" & "E2" PLAN AND PROFILE			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	ACE-Design	12-3-91	Liquid Waste
ACE-Design	ACE-Hydrology	11-27-91	Water
11-27-91	11-27-91	11-27-91	
DRAWING NO.	423790	MAP NO.	K-21
SHEET	13	OF	34

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	Sundance Mechanical	STATION IS LOCATED IN THE MEDIAN OF EUBANK BLVD. SOUTH OF THE INTERSTATE 40 AND EUBANK BLVD. BRIDGE. STATION MARK IS A STANDARD INCHES BRASS TABLET STAMPED "STA. 1-40-3" AND SET IN A CONCRETE MONUMENT FLUSH WITH THE GROUND. ELEVATION = 5452.804	DATE	NO.	BY
WORK	BY BH				
INSPECTOR	ACE-Design				
DATE	12-3-91				
REVISIONS					
NO.	DATE	REMARKS	DESIGN		
1	11/27/91	WAL. MNET PHOTO 116	DESIGNED BY RLB/HBM		
2	11/27/91	DATE 5-21-91	DRAWN BY GWT/LD		
3	11-27-91	DATE 5-21-91	CHECKED BY RLB		





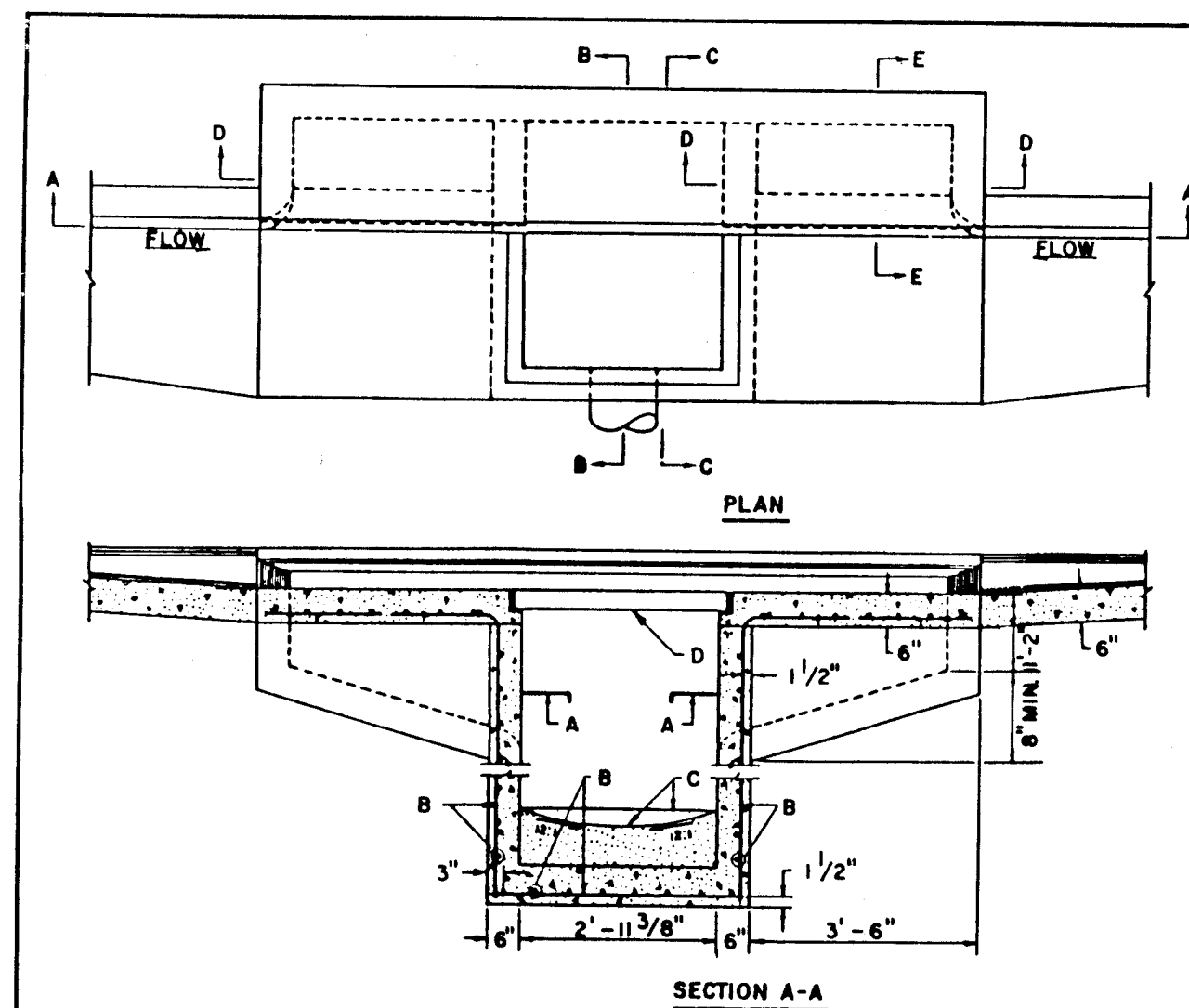
ALL "RECORD DRAWING" INFORMATION SHOWN ON THIS PLAN SHEET WAS COMPILED FROM INFORMATION PROVIDED TO BOHANNAN-HUSTON, INC. BY THE OWNER, CONTRACTOR, CITY OF ALBUQUERQUE (CONSTRUCTION OBSERVER), AND THE AS-BUILT SURVEY (BY BHI). BOHANNAN-HUSTON, INC. DOES NOT CERTIFY TO THE ACCURACY, COMPLIANCE OR ACCEPTANCE OF THE CONSTRUCTION OR CONSTRUCTION METHODS.

DRAWING NO. 423790		MAP NO. K-21	SHEET 14 OF 34
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ENGINEER'S SEAL	SURVEY INFORMATION	BENCH MARKS	AS BUILT INFORMATION
	FIELD NOTES		CONTRACTOR <i>Summertime Mechanical</i>
	NO.	DATE	WORKED BY <i>BHI</i>
	BY		INSPECTED BY <i>COI</i>
		STATION IS LOCATED IN THE MEDIAN OF EUBANK BLVD. SOUTH OF THE INTERSTATE 40 AND EUBANK BLVD. BRIDGE. STATION MARK IS A STANDARD NMHC BRASS TABLET STAMPED " STA. I-40-3 " AND SET IN A CONCRETE MONUMENT FLUSH WITH THE GROUND. ELEVATION = 5452.884	ACCEPTED BY <i>COI</i> DATE <i>0-9-92</i> VERIFICATION BY <i>BHI</i> DATE <i>0-9-92</i> DRAWINGS BY <i>BHI</i> DATE <i>10-92</i> VERIFIED BY <i>BHI</i> DATE <i>10-92</i> MICRO-FILM INFORMATION
			RECORDED BY DATE
			NO

DESIGNED BY				DATE 5-21-91	
DRAWN BY				DATE 5-21-91	
CHECKED BY				DATE 5-21-91	
APPROVED BY				DATE 5-21-91	
REVISIONS					
NO.	DATE	REMARKS	BY	APPROVAL	BY
1	3-5-90	STORM DRAIN REVISIONS	RLB		
2	1-31-90	ADD M.H. RIM ELEVATIONS	JPK		
3	1-29-90	STORM DRAIN REVISIONS	JPK		
4	1-7-90	REVISIONS TO STORM DRAIN	RLB		
5	12-21-91	REVISED GRADES IN FIELD REVISED AS BUILT	RLB		

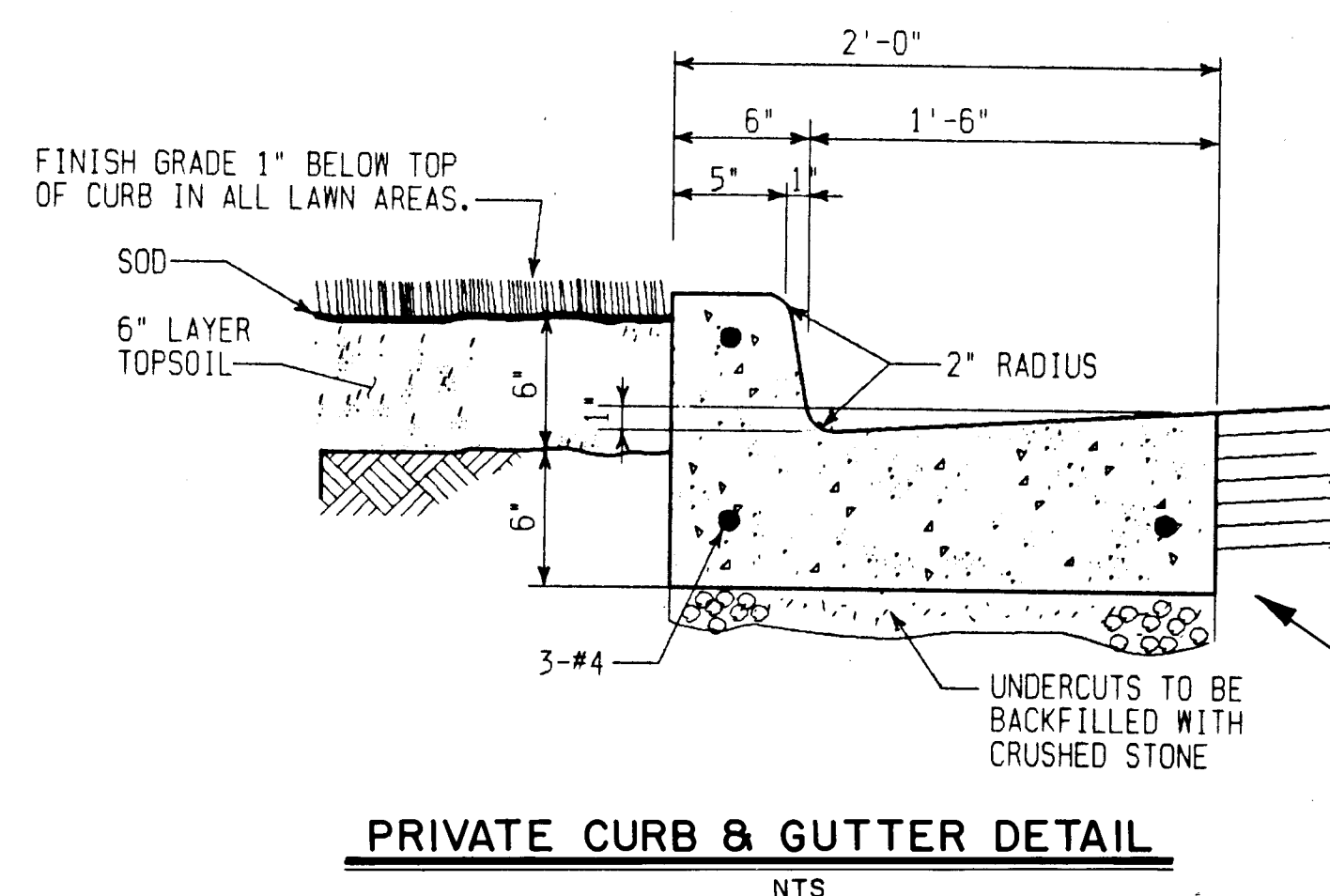
SCANNED BY
BY LASON



STORM INLET TYPE "A"
REVISED INLET DETAIL
NO SCALE

- GENERAL NOTES:**
1. SEE DWG 2202 FOR TYPE "A" INLET SECTIONS.
 2. FOR STORM INLET GUTTER TRANSITION, SEE DWG 2207.
 3. OUTLET PIPE SIZE PER DESIGN REQUIREMENT.
 4. FOR FRAME & GRATING, SEE DWG 2216, 2220 & 2221.
- CONSTRUCTION NOTES:**
- A. FOR STORM INLET DEPTHS GREATER THAN 4', INSTALL STD STEPS. SEE DWG 2229.
 - B. NO. 4 BARS AT 6" O.C. EACH WAY.
 - C. CONCRETE FILL, MINIMUM SLOPE SHOWN IN SECTION A-A.
 - D. GRATE.

AS REVISED
CITY OF ALBUQUERQUE
DRAINAGE
STORM INLET TYPE "A"
PLAN AND SECTION A-A
DWG. 2201



PRIVATE CURB & GUTTER DETAIL
NTS

CONSTRUCT TEMPORARY EXTRUDED ASPHALT CURB FOR LEFT TURN LANE BLOCK-OUT, TO BE CONSTRUCTED WITH COPPER AVE. INTERIM IMPROVEMENTS. CURB TO BE REMOVED WITH THE OPENING OF COPPER AVENUE.

(PER COA DWG. 2415)

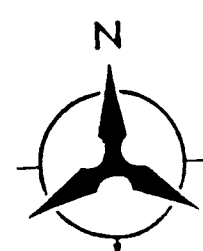
FOR COPPER AVE. INTERIM IMPROVEMENTS, SEE SHEET 16 AND GENERAL NOTE 6 (SHT. 2).

KEYED NOTES

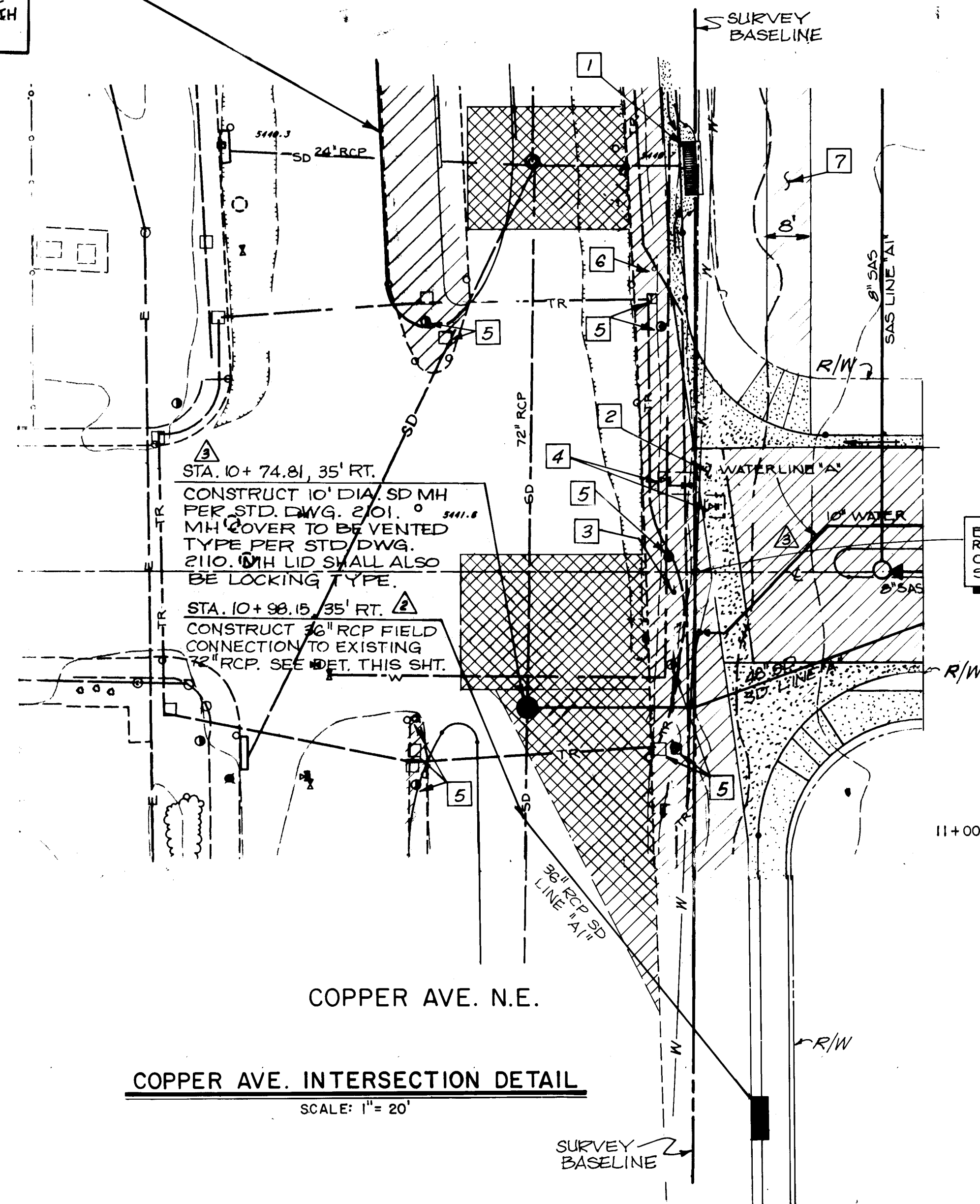
1. REMOVE EXISTING CATCH BASIN AND 18" RCP CONNECTOR PIPE. INSTALL NEW 24" CONNECTOR PIPE AND CONSTRUCT DOUBLE GRATE, DOUBLE BASIN TYPE "A" MODIFIED CATCH BASIN. SEE DETAIL THIS SHEET.
2. CONSTRUCT VALLEY GUTTER.
3. REMOVE AND RELOCATE EXISTING SIGN AS DIRECTED BY CITY REPRESENTATIVE.
4. EXISTING WATER VALVE CANS TO BE ADJUSTED TO GRADE.
5. TRAFFIC CONTROL DEVICES TO BE RELOCATED AND/OR RECONSTRUCTED. SEE TRAFFIC IMPROVEMENTS PLANS, SHEETS 17 THROUGH 34.
6. RELOCATE EXISTING SIGN TO STATION 9+81.00, 4' LT.
7. NEW 8' BIKE PATH, SEE SHEET 14.

NOTES

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND ELEVATIONS PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY THE PROJECT COORDINATOR OF ANY CONFLICTS AND ALLOW APPROPRIATE TIME FOR CONFLICT RESOLUTION. DUE TO LIMITED AS-BUILT INFORMATION AND TIGHT CLEARANCES, THE CONTRACTOR SHALL OBTAIN EXISTING TOP OF PIPE ELEVATIONS FOR ALL WATERLINES AND SUPPLY INFORMATION TO CONSTRUCTION SURVEYOR AND PROJECT COORDINATOR. THE CONTRACTOR SHALL ALLOW 1 WEEK TIME FOR THE PROJECT COORDINATOR TO RESOLVE ALL POTENTIAL CONFLICTS.

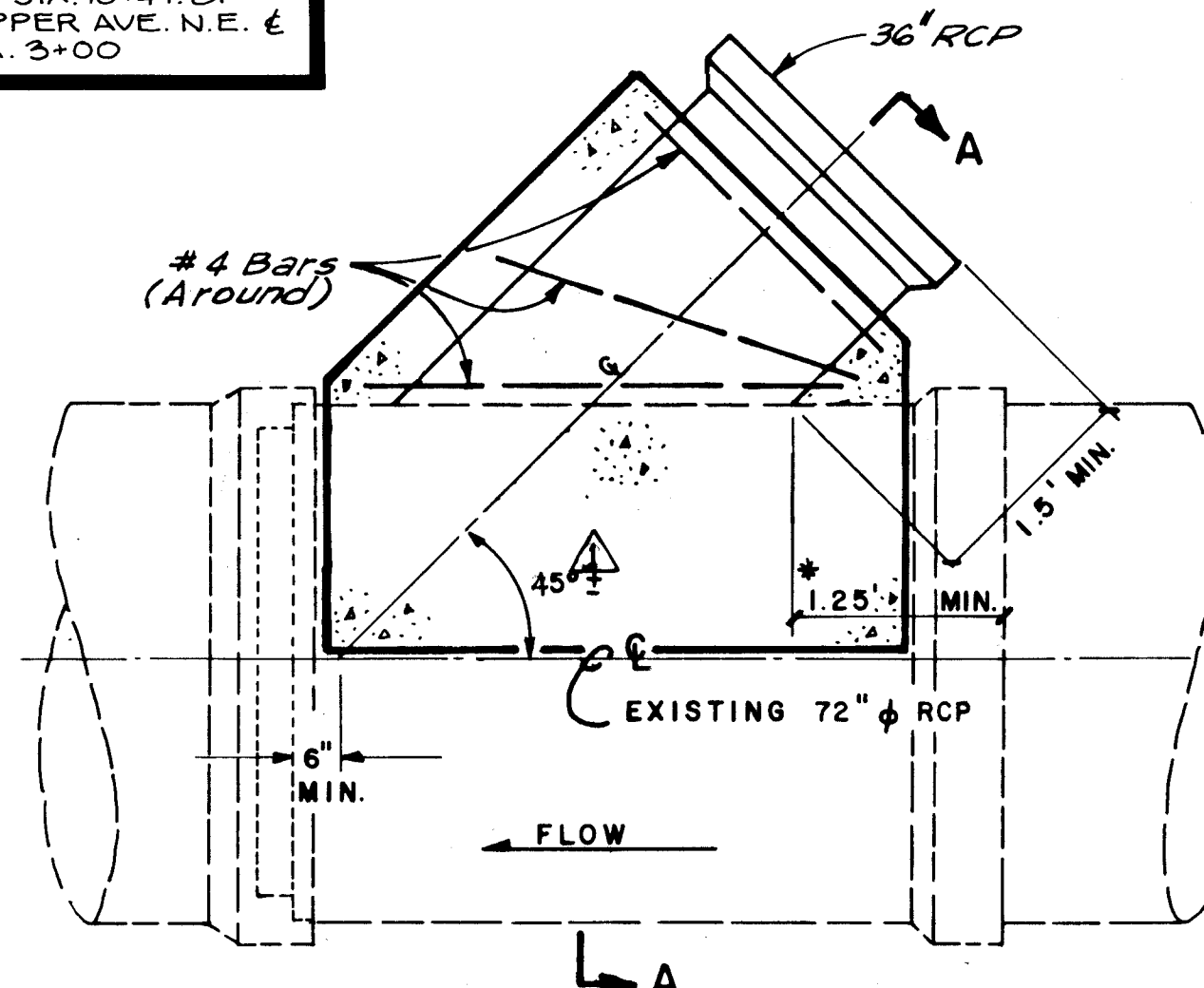


EUBANK BLVD. N.E.



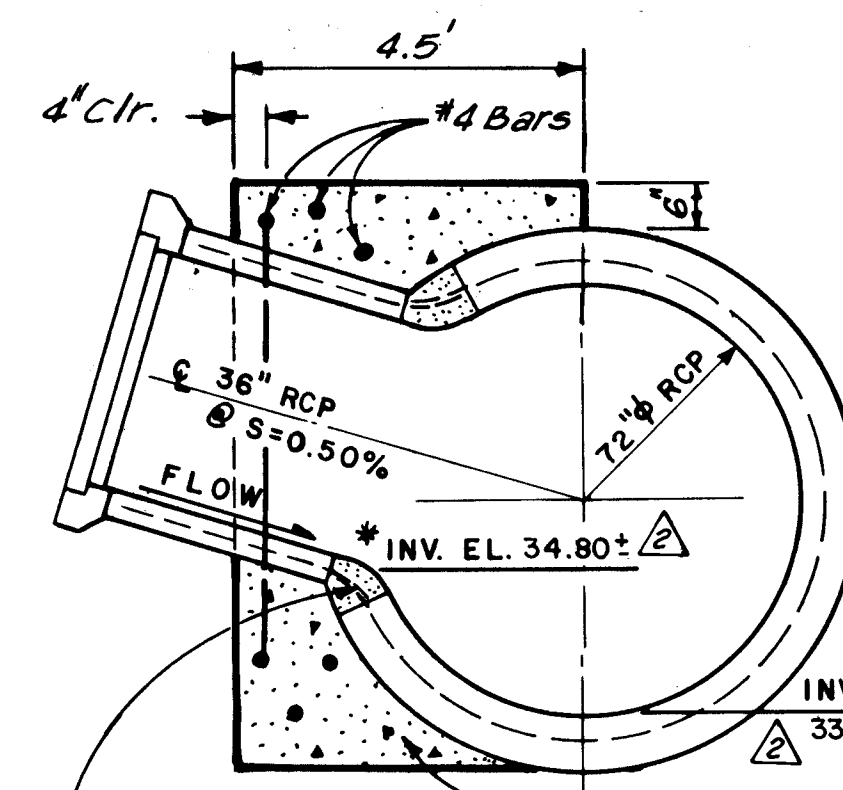
COPPER AVE. INTERSECTION DETAIL
SCALE: 1" = 20'

EUBANK BLVD. N.E.
R/W STA. 10+44.81 =
COPPER AVE. N.E. STA. 3+00



RCP FIELD CONNECTION
NTS

* CONTRACTOR TO FIELD VERIFY 72" INVERT AND BELL LOCATION AND ADJUST CONNECTOR PIPE ALIGNMENT AS REQUIRED.



SECTION A-A

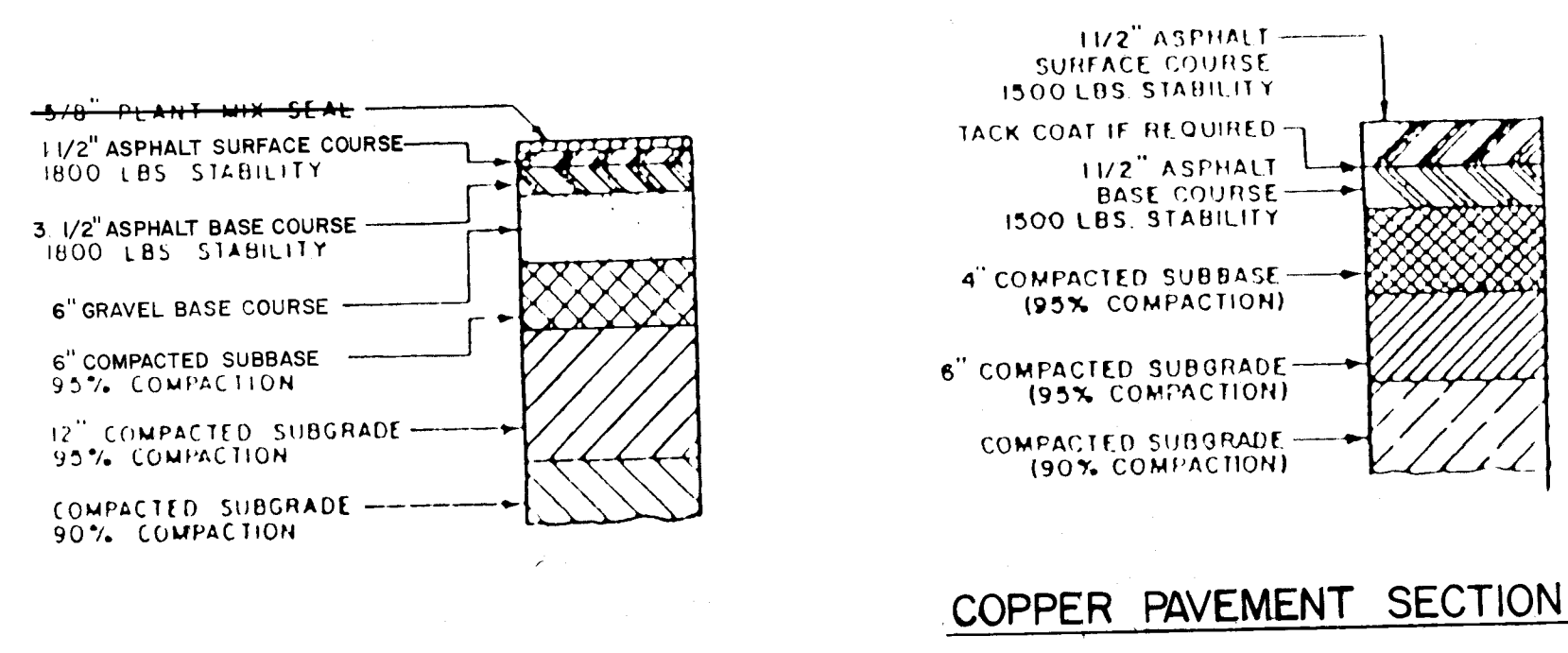
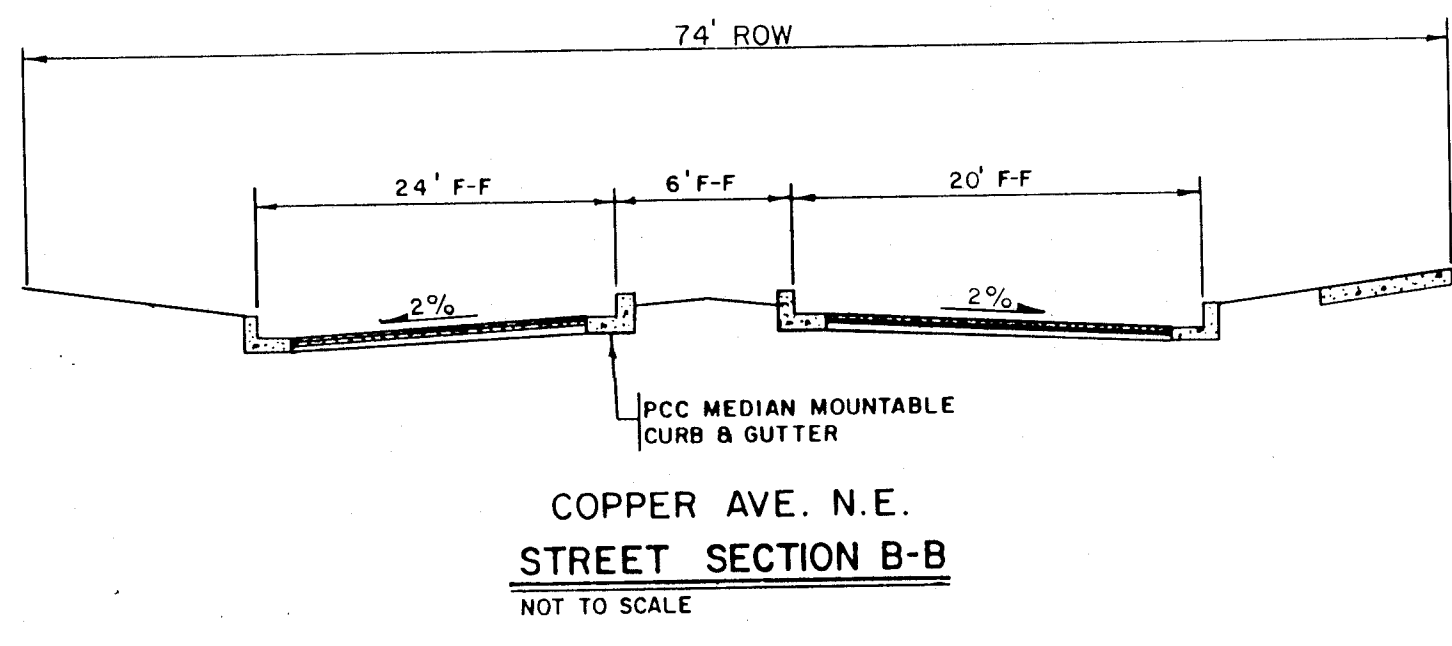
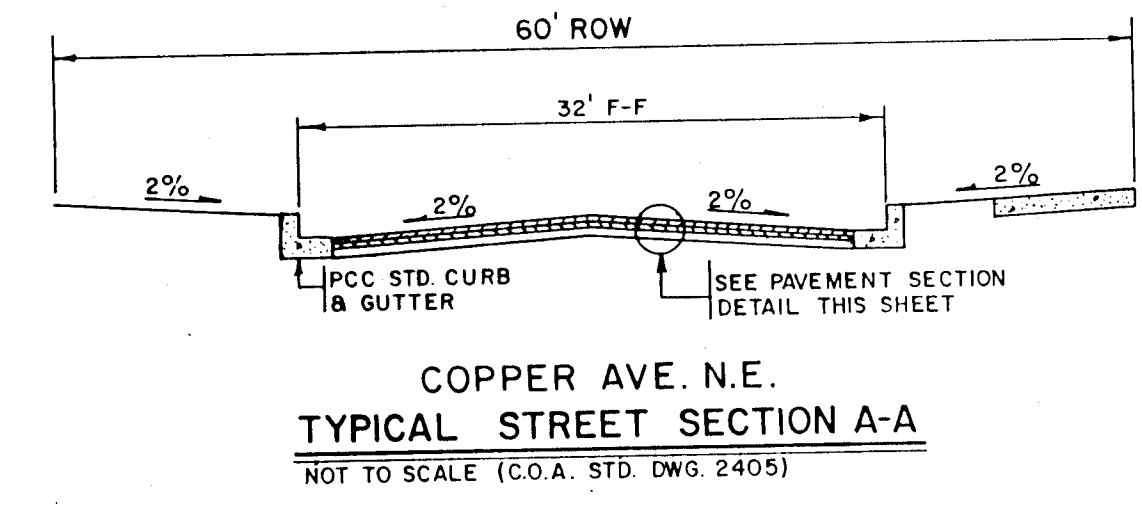
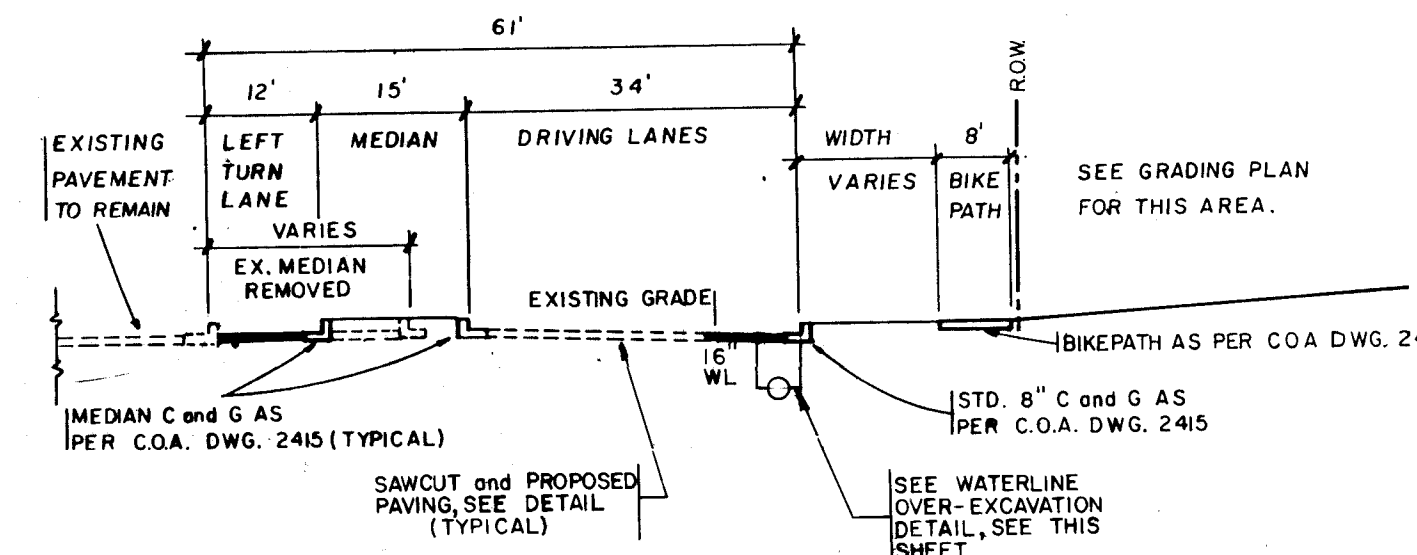
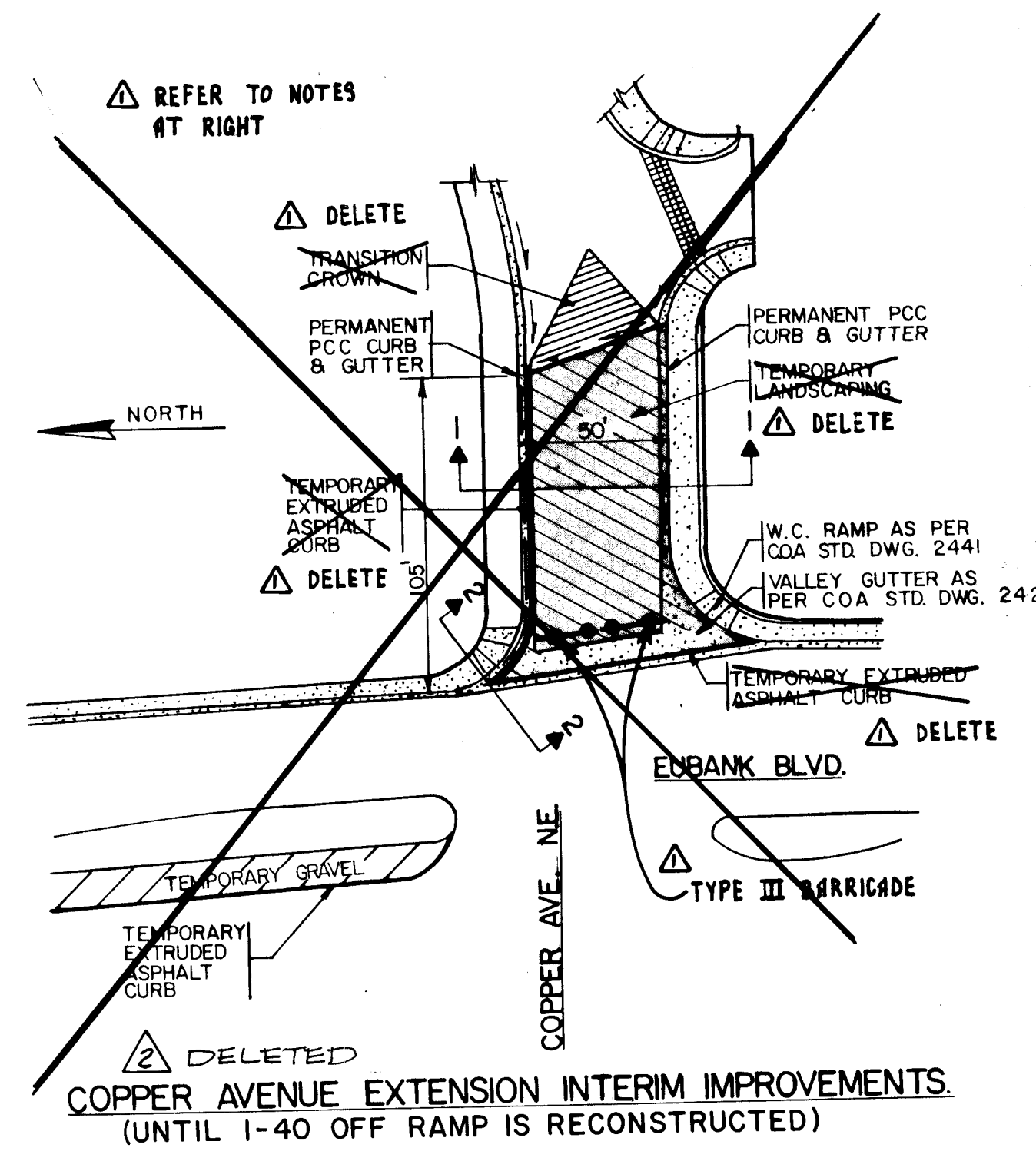
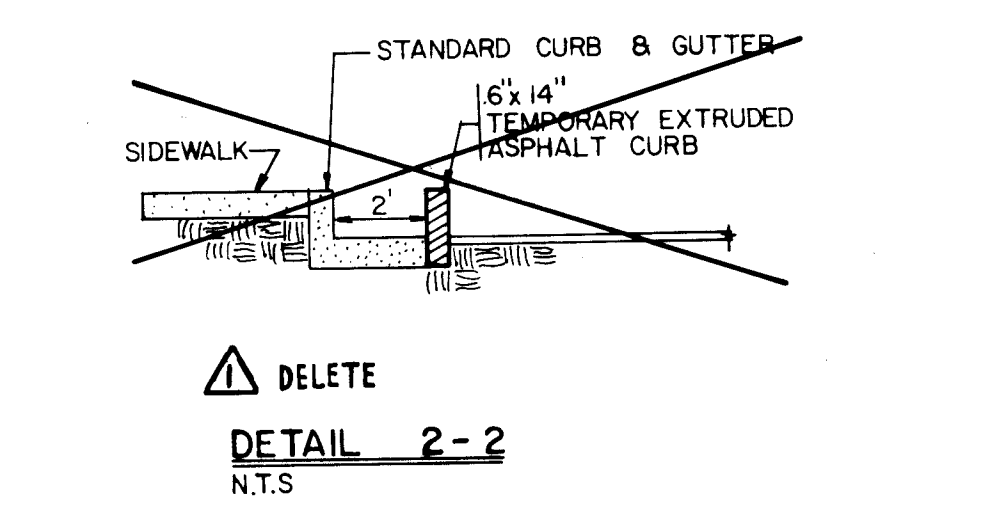
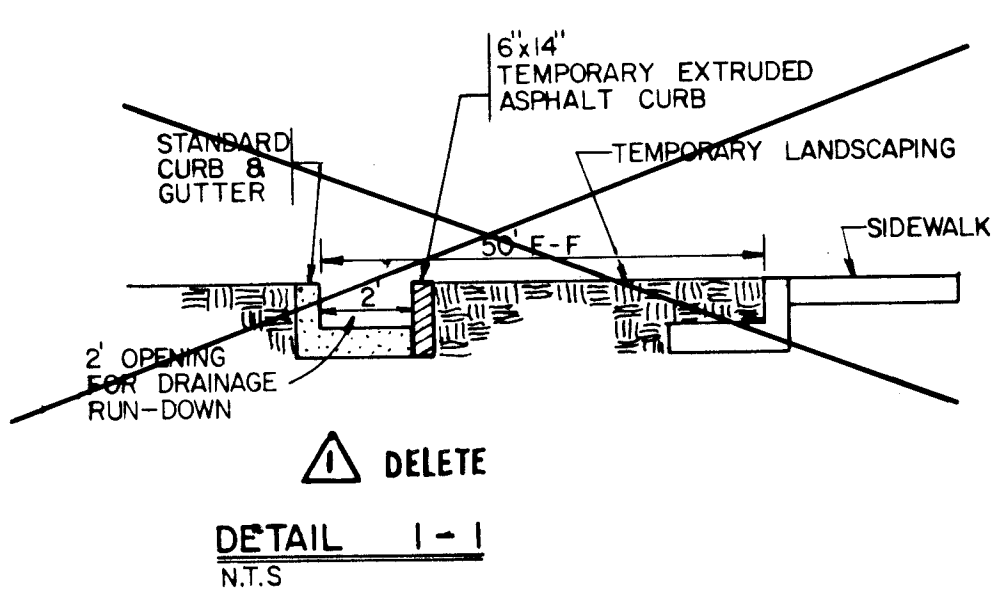
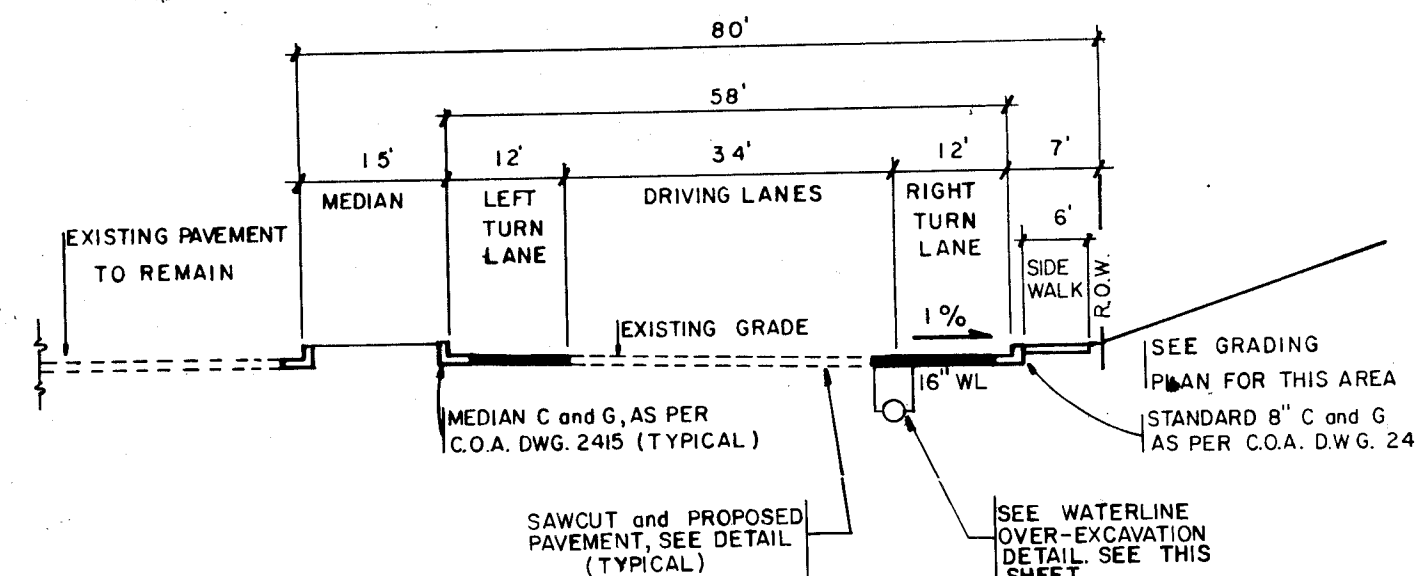
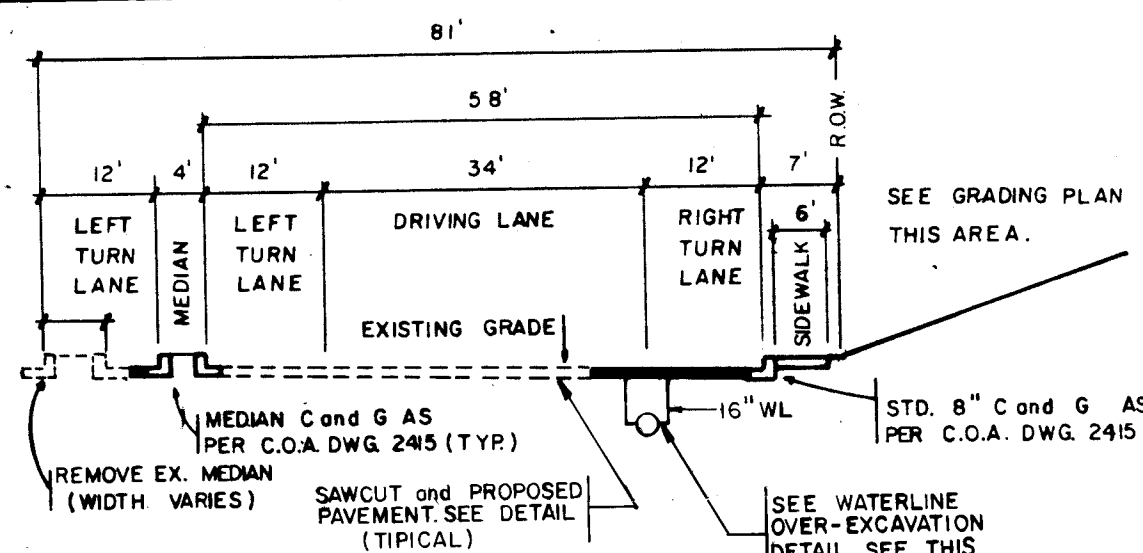
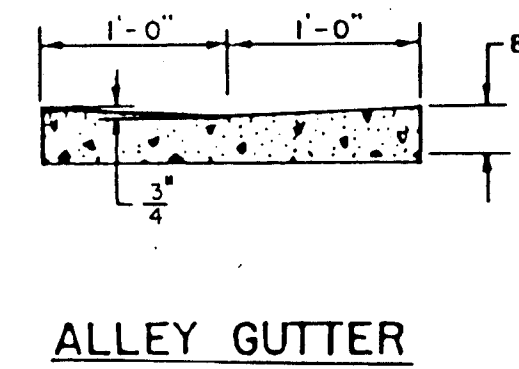
RECORD DRAWINGS, DATE: 9-23-92

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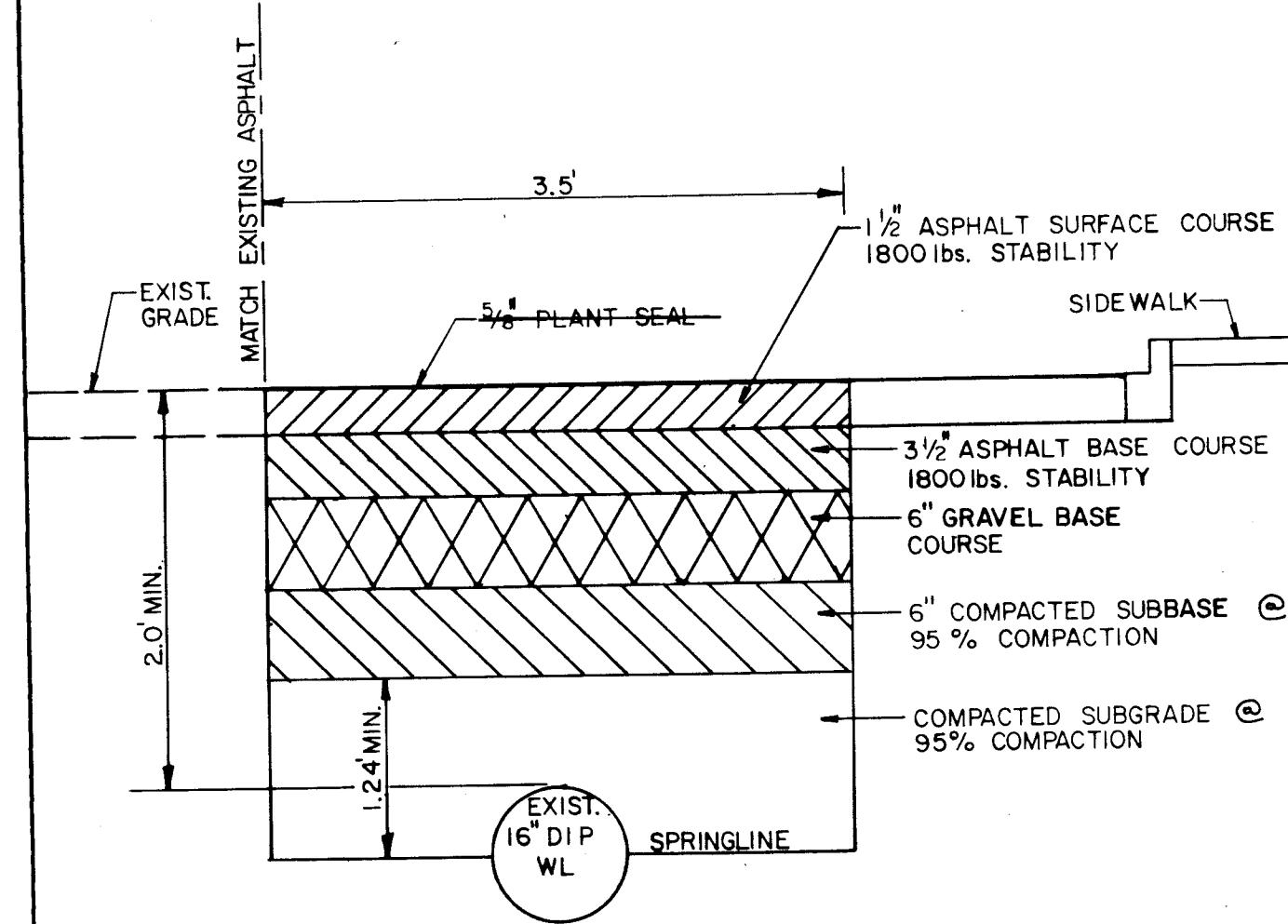
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TOWNE PARK PLAZA IMPROVEMENT & RELOCATION DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	12-3-91	WATER	<i>[Signature]</i>	11-27-91
TRANSPORTATION	<i>[Signature]</i>	11-27-91	WASTE WATER	<i>[Signature]</i>	"
HYDROLOGY	<i>[Signature]</i>	11-27-91			
DRAWING NO.	4237.90	MAP NO.	K-21	SHEET	15 OF 34

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	<i>[Signature]</i>	NO.	BY	DATE	
INSPECTOR'S	<i>[Signature]</i>				
ACCEPTANCE BY	<i>[Signature]</i>				
DATE	10-2-92				
MICRO-FILM INFORMATION		RECORD BY		DATE	

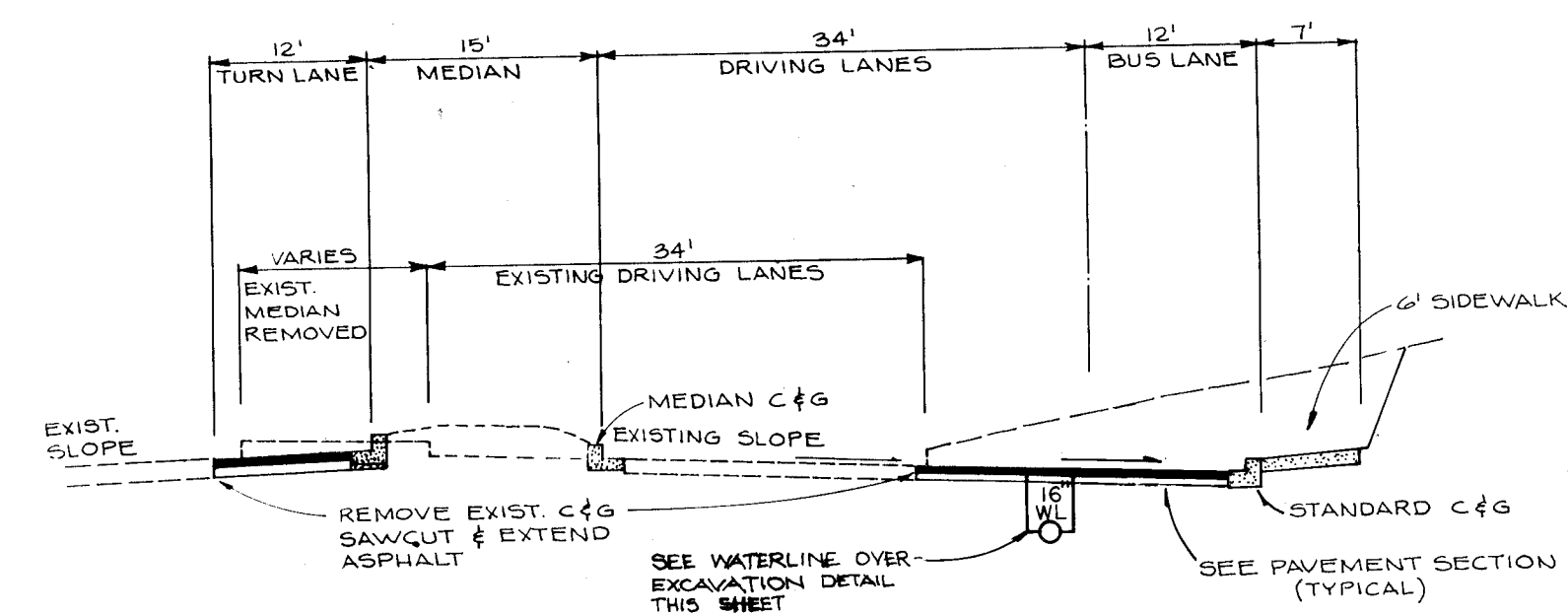
EUBANK AVE. CURVE DATA					
CURVE ID.	DELTA (DMS)	DEGREE OF CURVE (DMS)	TANGENT (FT)	LENGTH (FT)	RADIUS (FT)
E1-E4	UNUSED				
E5	11°27'28.3"	38°11'50"	15.05'	30.00'	150.00'
E6	11°12'27.9"	38°11'50"	14.72'	29.34'	150.00'
E7	89°31'23.1"	190°59'09"	29.75'	46.87'	30.00'
E8	2°31'12.2"	9°48'42"	12.84'	25.68'	583.96'
E9	UNUSED				
E10	18°56'54.2"	38°11'50"	26.38'	52.22'	150.00'
E11	11°17'28.5"	38°11'50"	14.83'	29.56'	150.00'
E12	11°17'28.5"	38°11'50"	14.83'	29.56'	150.00'
E13	89°31'23.1"	190°59'09"	29.75'	46.87'	30.00'
E14	90°28'36.8"	190°59'09"	30.25'	47.37'	30.00'
E15	11°17'28.6"	38°11'50"	14.83'	29.56'	150.00'
E16	11°17'28.7"	38°11'50"	14.83'	29.56'	150.00'
E17	UNUSED				
E18	89°31'23.1"	190°59'09"	29.75'	46.87'	30.00'
E19	90°28'36.8"	190°59'09"	30.25'	47.37'	30.00'
E20-24	UNUSED				
E25	147°57'2.8"	N/A	13.93'	10.33'	4.00'
E26	10°21'51.8"	16°24'55"	31.66'	63.14'	348.04'
E27	12°44'47.9"	38°11'50"	16.75'	33.37'	150.00'
E28	34°46'22.9"	114°35'30"	15.66'	30.95'	50.00'
E29	15°7'56.3"	38°11'50"	19.92'	39.62'	150.00'
E30	15°7'56.4"	38°11'50"	19.92'	39.62'	150.00'
E31	15°7'57.0"	38°11'50"	19.92'	39.62'	150.00'
E32	15°5'5.7"	38°11'50"	19.86'	39.49'	150.00'
E33	148°17'17.0"	N/A	14.08'	10.35'	4.00'
E33-37	UNUSED				
E38	146°17'28.6"	N/A	13.20'	10.21'	4.00'
E39	166°9'54.5"	N/A	57.70'	20.30'	7.00'
E40	34°11'7.9"	114°35'30"	15.38'	29.83'	50.00'
E41	10°19'32.6"	38°11'50"	13.55'	27.03'	150.00'
E42	16°18'29.1"	38°11'50"	21.49'	42.69'	150.00'
E43	17°1'29.2"	38°11'50"	22.45'	44.57'	150.00'
E44	12°24'58.1"	38°11'50"	16.32'	32.51'	150.00'
E45	31°1'8.0"	114°35'29"	13.88'	27.07'	50.00'
E46	173°44'13.1"	N/A	146.23'	24.26'	8.00'
E47	6°9'13.8"	3°49'11"	80.63'	161.11'	1500.0'
E48	5°9'24.0"	3°49'11"	67.55'	135.00'	1500.0'
E49	20°36'50.0"	38°11'50"	27.28'	53.97'	150.00'
E50	16°8'38.1"	38°11'50"	21.27'	42.26'	150.00'
E51	5°9'15.6"	3°54'30"	65.99'	131.88'	1466.00'
E52	6°37'20.0"	3°44'06"	88.75'	177.30'	1534.00'
E53	5°54'56.7"	114°35'30"	2.58'	5.16'	50.00'
E54	148°20'55.1"	N/A	14.11'	10.36'	4.00'
E55	23°3'6.3"	114°35'30"	10.20'	20.12'	50.00'
E56	57°33'55.3"	N/A	39.00'	4.02'	4.00'
E57	0°51'24.9"	1°5'55"	39.00'	777.99'	5214.88'
E58	101°26'28.0"	N/A	6.11'	8.85'	5.00'
E59	1°23'37.2"	9°25'28"	7.39'	14.79'	607.96'
E61	110°32'58.9"	190°59'09"	43.28'	57.88'	30.00'
E62	32°39'54.5"	114°35'29"	14.65'	28.51'	50.00'
E63	19°56'54.3"	114°35'30"	8.79'	17.41'	50.00'
E64-66	UNUSED				
E67	31°47'6.2"	114°35'29"	14.24'	27.74'	50.00'
E68	19°48'23.2"	114°35'30"	8.73'	17.28'	50.00'



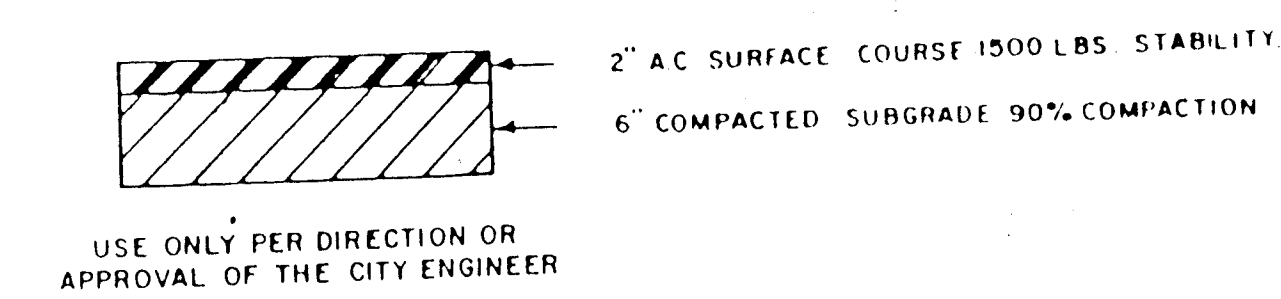
EUBANK PAVEMENT SECTION



WATERLINE OVER-EXCAVATION DETAIL (STA 9+13.0 TO 21+17.68 EUBANK) n.t.s.



EUBANK STREET SECTION F-F n.t.s.

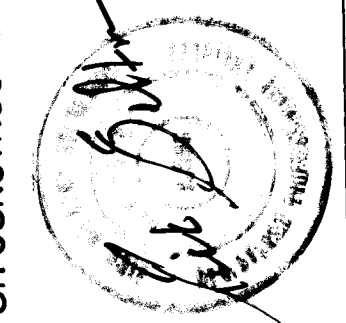


TEMPORARY OR BICYCLE PATH SECTION

- DELETE ~~TYPE III~~ INTERIM IMPROVEMENTS AS SHOWN
- INSTALL 2 TYPE III BARRICADES ANCHORED IN THE GROUND
- UPON COMPLETION OF 4ND OPENING TO TRAFFIC OF THE I-40 OFF RAMP, THE FOLLOWING INTERIM IMPROV. ARE TO BE REMOVED:
 - TYPE III BARRICADES
 - TEMPORARY EXTRUDED ASPHALT CURB ON EUBANK

RECORD DRAWINGS, DATE: 9-23-92

ALL "RECORD DRAWING" INFORMATION SHOWN ON THIS PLAN SHEET WAS COMPILED FROM INFORMATION PROVIDED TO BOHANNAN-HUSTON, INC. BY THE OWNER, CONTRACTOR, CITY OF ALBUQUERQUE (CONSTRUCTION OBSERVER), AND THE AS-BUILT SURVEY (BY BHI). BOHANNAN-HUSTON, INC. DOES NOT CERTIFY TO THE ACCURACY, COMPLIANCE OR ACCEPTANCE OF THE CONSTRUCTION OR CONSTRUCTION METHODS.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP				
TITLE: TOWN PARK PLAZA DETAILS				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
DRG CHAIRMAN	<i>[Signature]</i>	9-23-91	WATER	<i>[Signature]</i>
TRANSPORTATION	<i>[Signature]</i>	11-27-91	WASTE WATER	<i>[Signature]</i>
HYDROLOGY	<i>[Signature]</i>	11-27-91		
DRAWING NO.	4237.90	MAP NO.	K-21	SHEET 16 OF 34

26 4237.90 1692

BHI JOB NO. C91114-03
SCANNED BY LASON

SIGNAL AND LIGHTING NOTES

1. TRAFFIC SIGNAL AND LIGHTING CONDUITS, WIRING, FOUNDATIONS, CONTROLLERS AND POLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1984 EDITION.
2. ALL WORK ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT NATIONAL ELECTRIC CODE, STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS.
3. EXACT LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROLLERS, POLES, PULL BOXES MANHOLES AND SPLICE CABINETS ARE SCHEMATIC AND MAY BE ADJUSTED IN THE FIELD WITH THE APPROVAL OF THE PROJECT MANAGER.
4. THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
5. THE CONTRACTOR SHALL BORE, DRILL OR PUSH WHEN CROSSING EXISTING PAVEMENTS ON EUBANK BOULEVARD AND CHICO ROAD. BEFORE CONDUIT CAN BE BORED, DRILLED OR PUSHED THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES. THE CONTRACTOR SHALL LOCATE AND EXPOSE GAS LINES WHICH CROSS ANY PROPOSED THESE EXCAVATIONS SHALL REMAIN OPEN UNTIL AFTER THE BORE IS COMPLETE. CONTRACTOR SHALL REMOVE AND REPLACE IN KIND ANY SIDEWALK OR PAVEMENT REQUIRED TO EXPOSE SUCH LINES. THE CONTRACTOR MAY CUT, TRENCH AND REPLACE EXISTING PAVEMENT ONLY WHEN APPROVED BY THE PROJECT MANAGER.
6. ALL CONCRETE FOUNDATIONS SHALL BE CLASS "A" WITH 4% TO 7% AIR ENTRAINMENT.
7. ALL DATA SHOWN HEREIN CONCERNING EXISTING UTILITIES HAS BEEN OBTAINED FROM "AS-BUILT" DRAWINGS AND FROM FIELD OBSERVATIONS WHICH MAY OR MAY NOT BE ACCURATE. THE CONTRACTOR WILL BE RESPONSIBLE FOR EXPLORATORY TRENCHING, IF NECESSARY, TO MORE SPECIFICALLY LOCATE UTILITY LINES. COST OF LOCATING UTILITY LINES INCLUDING EXPLORATORY TRENCHING WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
8. ALL CONDUITS, FOUNDATIONS AND PULL BOXES SHALL BE WITHIN THE RIGHT-OF-WAY.
9. THE CONTRACTOR SHALL REMOVE AND REPLACE IN KIND OR BETTER LANDSCAPING AS REQUIRED TO COMPLETE THE SIGNAL, INTERCONNECT AND LIGHTING, INCLUDING SPRINKLERS, PLANTS, BUSHES, TREES, YARDWALLS, GRASS, GRAVEL, CONCRETE AND ASPHALT, ETC.
10. SPLICING FOR TRAFFIC SIGNAL MCC WILL BE PERMITTED IN LARGE PULL BOXES INCLUDING LARGE MEDIAN PULL BOXES.
11. ALL LOOP LEAD-IN CABLES SHALL BE TAGGED AT CABINET TO IDENTIFY EACH CABLE BY PHASE AND LOOP NUMBER.
12. ALL PULL BOXES SHALL BE REINFORCED POLYMER MORTAR TYPE WITH STEEL OR REINFORCED POLYMER MORTAR COVERS. CONCRETE COVERS AND CONCRETE PULL BOXES WILL NOT BE ACCEPTABLE.
13. ALL LOOP DETECTOR WIRE SHALL BE NO. 14 AWG AND 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 SAW CUT BEFORE PLACEMENT OF THE WIRE AND THEN THE WIRE SHALL BE ENCAPSULATED WITH SEALANT. HOT-MELT RUBBERIZED ASPHALT LOOP DETECTOR SEALANT MANUFACTURED BY CRAFTCO, SIKKA OR APPROVED EQUAL SHALL BE AN ACCEPTABLE SEALANT ALTERNATE.
14. LIVE AND UNUSED CONDUCTORS WILL NOT BE ALLOWED AT MASTARM POLES AND PEDESTAL POLES. ALL SUCH CONDUCTORS SHALL BE DISCONNECTED AT THE LARGE PULL BOX ADJACENT TO THE POLE.
15. THIS PROJECT IS AN EXPANSION OF AN EXISTING SIGNAL SYSTEM. THEREFORE, THE CONTRACTOR SHALL FURNISH AND INSTALL MULTISONICS MODEL 820 DUAL RING CONTROLLERS WIRED IN CABINET SIZE "P". FIELD FUSED OUTPUTS SHALL NOT BE INSTALLED. LOOP DETECTORS SHALL BE RACK MOUNTED. LOOP DETECTOR RACK SHALL BE STANDARD 18 CHANNEL RACK WITH POWER SUPPLY. A MINIMUM OF EIGHT CHANNELS OF LOOP DETECTION SHALL BE PROVIDED. ALL CABINETS SHALL BE WIRED FOR SYSTEM OPERATION.
16. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS (857-8000) TWO WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS AND POWER SERVICE. TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL ASSIST THE CONTRACTOR IN FIELD LOCATION OF EQUIPMENT, COLOR CODING OF WIRING, PHASE ASSIGNMENT, AND MUST BE PRESENT WHEN SIGNALS ARE SHUT-OFF OR TURNED-ON.
17. COMMUNICATIONS CABLE, 6 PAIR AND 12 PAIR, SHALL BE PAIRED POLYETHYLENE INSULATED, POLYETHYLENE JACKET COMMUNICATION CABLE WITH ELECTRICAL SHIELDING, RATED 300 VOLTS, SUITABLE FOR USE IN UNDERGROUND CONDUIT. COMMUNICATION CABLE SHALL CONFORM TO I.M.S.A. SPECIFICATION NO. 40-2 1984 EXCEPT SHIELD MAY BE OF ALUMINIZED MYLAR OR POLYESTER PROVIDING 100% EFFECTIVE SHIELDING. EDGES OF THE TAPE SHALL BE FOLDED SO AS TO PROVIDE METAL TO METAL CONTACT BETWEEN ADJACENT WRAPS. CONDUCTOR SIZE SHALL BE NO. 19 AWG.
18. CONTRACTOR SHALL COORDINATE WITH PUBLIC SERVICE COMPANY TO ESTABLISH LIGHTING ELECTRICAL SERVICE IN THE CITY'S NAME.

INCIDENTAL ITEMS

1. CABLE TESTING AND DIAGRAMS.
2. LOCATION OF UTILITY LINES INCLUDING EXPLORATORY TRENCHING AND EXPOSING OF GAS LINES WHEN BORING.
3. REMOVAL AND REPLACEMENT IN KIND OR BETTER OF LANDSCAPING INCLUDING SPRINKLERS, FOR INSTALLATION OF PULL BOXES, CONDUIT AND SIGNAL FOUNDATIONS.
4. REMOVAL OF EXISTING CONFLICTING PAVEMENT MARKINGS.
5. REMOVAL OF EXISTING POWER SERVICE AS SHOWN ON PLANS.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING	ITEM
■	□	PULL BOX
●	○	SIGNAL POLE (UNDERGROUND)
■	□	SERVICE POLE
□	□	CONTROLLER CABINET
---	---	CONDUIT RUN
□	□	LOOP DETECTOR
←●	←○	TRAFFIC SIGNAL PEDESTAL POLE
△	△	CONDUIT RUN NUMBER
●	○	POLE WITH MASTARM, TRAFFIC SIGNAL AND BACKPLATE
●	○	COMBINATION POLE WITH LUMINAIRE AS INDICATED
●	○	PEDESTRIAN PUSH BUTTON (MOUNTED TO SIDE OF POLE WHERE INDICATED)
●	○	PEDESTRIAN SIGNALS (MOUNTED TO SIDE OF POLE WHERE INDICATED)
SC	SC	SPLICE CABINET
○	○	TRAFFIC MANHOLE

RECORD DRAWINGS, DATE: 9-23-92

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CITY OF ALBUQUERQUE PUBLIC WORKS ENGINEERING					
TITLE: TOWNE PARK PLAZA SIGNAL & LIGHTING NOTES AND LEGEND					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Regal	12-3-91	WATER	MD	11-27-91
TRANSPORTATION	Regal	7/9/91	WASTE WATER	MD	
HYDROLOGY	Regal	11-27-91			
DRAWING NO.	4237.90	MAP NO.	K-21	SHEET	17 OF 34

LUMP SUM BID

ESTIMATED QUANTITIES-TRAFFIC SIGNALS, INTERCONNECT & STREET LIGHTING									
BID ITEM NUMBER	CITY	STATE	ITEM DESCRIPTION	UNIT	EUBANK/ CHICO	EUBANK/ COPPER	INTER- CONNECT	STREET LIGHTING	TOTAL
	SPEC ITEM NUMBER	SPEC ITEM NUMBER							
	0420.XX	—	TRAFFIC SIGNAL ELECTRICAL PULL BOX, REMOVE & DISPOSE, COMPLETE	EACH	2	5	4	-	11
	0420.01	—	TRAFFIC SIGNAL FOUNDATION, REMOVE & DISPOSE, COMPLETE	EACH	2	6	1	-	9
	0420.XX	—	COMMUNICATION CABLE 12 PAIR, REMOVE & SALVAGE, COMPLETE	LF	-	-	1700	-	1700
	0420.XX	—	TRAFFIC SIGNAL MANHOLE TYPE I, REMOVE & DISPOSE, COMPLETE	EACH	-	-	1	-	1
	0420.XX	—	ELECTRICAL CONDUIT, 2" RIGID, REMOVE & DISPOSE, COMPLETE	LF	-	-	1650	-	1650
	0420.02	509050	TRAFFIC SIGNAL MASTARM FOUNDATION, TYPE I (FOR MASTARMS 30' & LARGER)	EACH	-	1	-	-	1
	0420.03	509050	TRAFFIC SIGNAL MASTARM FOUNDATION, TYPE II (FOR MASTARMS 25' & SMALLER)	EACH	1	2	-	-	3
	0420.04	509050	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE, SPLICE CABINET, & "G" CABINETS	EACH	-	3	1	-	4
	0420.05	509050	TRAFFIC CONTROLLER FOUNDATION, TYPE I (FOR M & P CABINETS)	EACH	1	-	-	-	1
	0420.08	709020	ELECTRICAL CONDUIT, 1" RIGID	LF	15	20	-	-	35
	0420.10	709030	ELECTRICAL CONDUIT, 2" RIGID	LF	285	310	1650	1495	3740
	0420.12	709040	ELECTRICAL CONDUIT, 3" RIGID	LF	510	210	-	-	720
	0420.13	710030	TRAFFIC SIGNAL MANHOLE TYPE I (WITH CONCRETE PAD)	EACH	-	-	1	-	1
	0420.17	509050	TRAFFIC STREET LIGHT FOUNDATION, DAVIT TYPE	EACH	-	-	-	5	5
	0420.20	710010	TRAFFIC SIGNAL ELECTRICAL PULLBOX, STANDARD	EACH	3	3	6	6	18
	0420.21	710011	TRAFFIC SIGNAL ELECTRICAL PULLBOX, LARGE	EACH	9	6	-	-	15
	0420.40	711006	COMMUNICATION CABLE 6 PAIR	LF	30	180	-	-	210
	0420.41	711012	COMMUNICATION CABLE 12 PAIR	LF	-	-	1220	-	1220
	0420.XX	—	COMMUNICATION CABLE 12 PAIR, REPULL EXISTING	LF	-	-	480	-	480
	0420.45	711110	MULTI CONDUCTOR CABLE 5	LF	640	860	-	-	1500
	0420.46	711112	MULTI CONDUCTOR CABLE 7	LF	100	90	-	-	190
	0420.48	711120	MULTI CONDUCTOR CABLE 12	LF	100	90	-	-	190
	0420.49	711125	MULTI CONDUCTOR CABLE 20	LF	1100	1070	-	-	2270
	0420.55	711220	SINGLE CONDUCTOR CABLE, 14	LF	-	330	-	-	330
	0420.57	711224	SINGLE CONDUCTOR CABLE, 10	LF	735	665	-	550	1950
	0420.59	711228	SINGLE CONDUCTOR CABLE, 6	LF	645	420	-	-	1065
	0420.61	711234	SINGLE CONDUCTOR CABLE, 2	LF	-	-	-	3080	3080
	0420.65	712020	TRAFFIC SIGNAL ASSEMBLY, 3 SECTION	EACH	-	9	-	-	9
	0420.67	712030	TRAFFIC SIGNAL ASSEMBLY, 5 SECTION	EACH	1	2	-	-	3
	0420.75	712070	NEON PEDESTRIAN SIGNAL	EACH	-	6	-	-	6
	0420.78	712103	SIGNAL BACKPLATE, 3 SECTION	EACH	-	4	-	1	4
	0420.85	707004	TRAFFIC SIGNAL PEDESTAL, 4 FOOT (RELOCATION ONLY)*	EACH	-	-	1 (*)	-	1 (*)
	0420.87	707013	TRAFFIC SIGNAL PEDESTAL, 13 FOOT	EACH	-	3	-	-	3
	0420.92	707036	TRAFFIC SIGNAL MASTARM, 25 FOOT ARM	EACH	1 (**)	2	-	-	2
	0420.93	707041	TRAFFIC SIGNAL MASTARM, 30 FOOT ARM	EACH	-	1	-	-	1
	0420.102	706010	TRAFFIC SIGNAL ELECTRICAL SERVICE	EACH	1	1	-	-	2
	0420.XX	706010	TRAFFIC STREET LIGHT ELECTRICAL SERVICE	EACH	-	-	-	-	1
	0420.105	710012	TRAFFIC SIGNAL SPLICE CABINET (RELOCATION ONLY)*	EACH	-	-	1 (*)	-	1 (*)
	0430.03	713010	LOOP VEHICLE DETECTOR	EACH	4	4	-	-	8
	0430.04	713040	LOOP DETECTOR WIRE	LF	1100	1450	-	-	2550
	0430.05	713050	LOOP LEAD-IN CABLE	LF	965	945	-	-	1910
	0430.06	713060	LOOP DETECTOR SAW CUT	LF	420	560	-	-	980
	0430.10	713030	PUSH BUTTON STATION	EACH	-	6	-	-	6
	0420.XX	714072	MULTI-PHASE ACTUATED CONTROLLER - DOUBLE RING	EACH	1	1	-	-	2
	0420.XX	707120	TRAFFIC STREET LIGHT, STANDARD 40'	EACH	-	-	-	5	5
	0420.XX	716020	TRAFFIC STREET LIGHT LUMINAIRE, TYPE II, SEMI-CUT-OFF, 400 HPS	EACH	-	-	-	5	5
	0420.XX	—	PNM SERVICE CHARGE	L.S.	L.S.	L.S.		L.S.	L.S.
	0420.XX	—	STREET NAME SIGNS	EACH	-	2	-	-	2

RECORD DRAWINGS, DATE: 9-23-92

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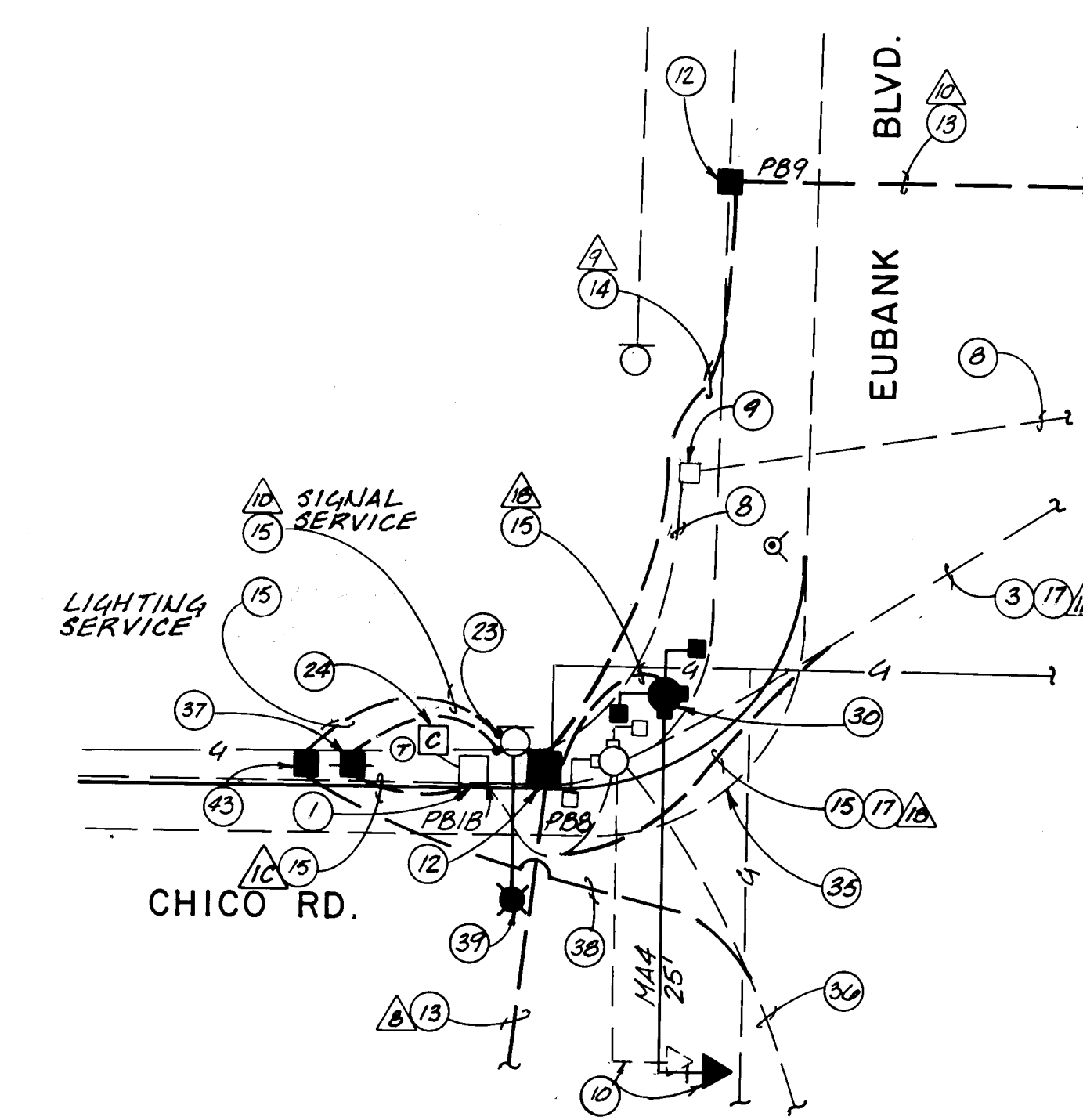
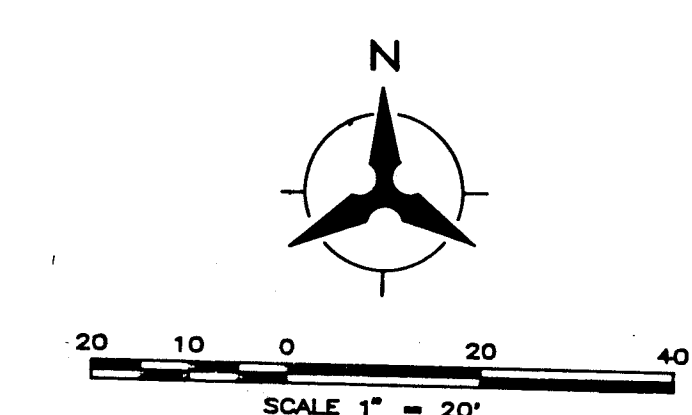
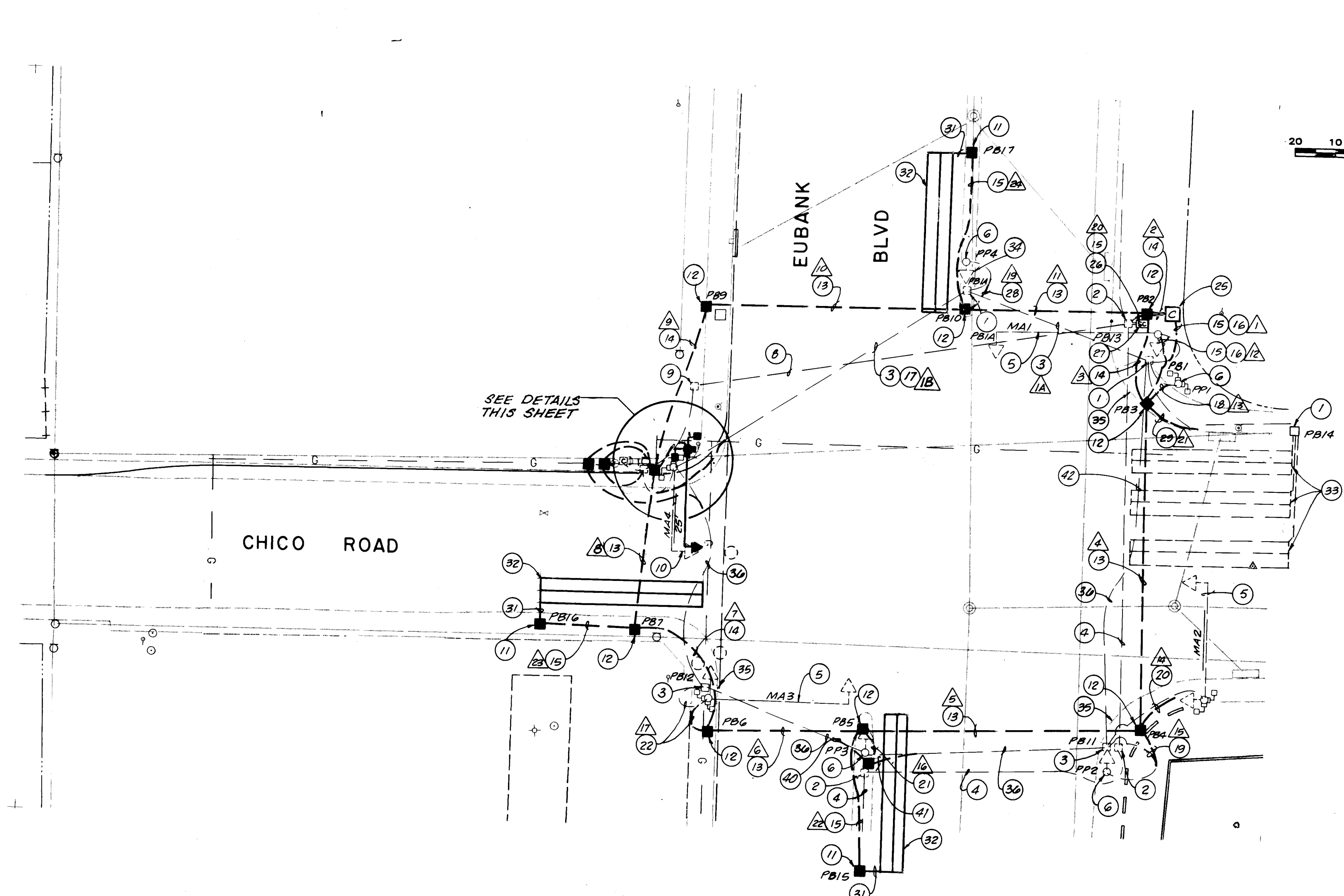
* RELOCATION ONLY, BY CONTRACTOR
** RELOCATION ONLY, BY CITY

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CITY OF ALBUQUERQUE PUBLIC WORKS ENGINEERING					
TITLE: TOWNE PARK PLAZA SUMMARY OF QUANTITIES SIGNAL, INTERCONNECT AND LIGHTING					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>R. Blum</i>	9-3-91	WATER	<i>MDM</i>	11-22-91
TRANSPORTATION	<i>J. J. J.</i>	7/9/91	WASTE WATER	<i>MDM</i>	
HYDROLOGY	<i>J. J. J.</i>	11-21-91			
DRAWING NO.	4237.90	MAP NO.	K-21	SHEET	18 OF 34

SCANNED BY
BY LASON



KEYED NOTES

- 1 EXISTING ELECTRICAL PULL BOX (SIGNALS) TO REMAIN
- 2 EXISTING ELECTRICAL PULL BOX (INTERCONNECT) TO REMAIN
- 3 EXISTING ELECTRICAL CONDUIT (SIGNALS) TO REMAIN
- 4 EXISTING ELECTRICAL CONDUIT (INTERCONNECT) TO REMAIN
- 5 EXISTING TRAFFIC SIGNAL MASTARM AND FOUNDATION TO REMAIN
- 6 EXISTING TRAFFIC SIGNAL PEDESTAL POLE AND FOUNDATION TO REMAIN
- 7 EXISTING INTERCONNECT SPLICE CABINET TO REMAIN
- 8 EXISTING ELECTRICAL CONDUIT TO BE ABANDONED IN PLACE. REMOVE EXISTING WIRING USED TO COMPLY W/ NOTE 36
- 9 EXISTING ELECTRICAL PULL BOX TO BE REMOVED
- 10 EXISTING TRAFFIC SIGNAL MASTARM 4 TO BE RELOCATED TO NEW MASTARM FOUNDATION BY THE CITY. EXISTING TRAFFIC SIGNAL FOUNDATION TO BE REMOVED BY THE CONTRACTOR
- 11 INSTALL NEW ELECTRICAL PULL BOX (STANDARD)
- 12 INSTALL NEW ELECTRICAL PULL BOX (LARGE)
- 13 BORE NEW ELECTRICAL CONDUIT - 3"
- 14 INSTALL NEW ELECTRICAL CONDUIT - 3"
- 15 INSTALL NEW ELECTRICAL CONDUIT - 2"
- 16 INTERCEPT EXISTING ELECTRICAL CONDUIT FROM EXISTING PULL BOX 1 TO EXISTING MASTARM 1 AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING PULL BOX 1 WILL GO TO THE NEW CONTROLLER (TO BE USED FOR NEW POWER SERVICE) AND THE CONDUIT FROM EXISTING MASTARM 1 WILL GO TO NEW PULL BOX 3 (TO BE USED FOR NEW SIGNAL CABLES)
- 17 INTERCEPT EXISTING ELECTRICAL CONDUITS FROM EXISTING PULL BOX 1A TO EXISTING MASTARM 4 AND FROM EXISTING PULL BOX 1B TO EXISTING MASTARM 4 AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING PULL BOX 1A WILL GO TO THE EXISTING PULL BOX 1B (TO BE USED FOR NEW POWER SERVICE)
- 18 INTERCEPT EXISTING ELECTRICAL CONDUIT FROM EXISTING PULL BOX 1 TO EXISTING PEDESTAL POLE 1 AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING PEDESTAL POLE 1 WILL GO TO THE NEW PULL BOX 3 (TO BE USED FOR NEW SIGNAL CABLES)
- 19 INTERCEPT EXISTING ELECTRICAL CONDUIT FROM EXISTING PULL BOX 11 TO EXISTING PEDESTAL POLE 2 AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING PEDESTAL POLE 2 WILL GO TO THE NEW PULL BOX 4 (TO BE USED FOR NEW SIGNAL CABLES)
- 20 INTERCEPT EXISTING CONDUIT FROM EXISTING PULL BOX 11 TO EXISTING MASTARM 2 AND RECONFIGURE SUCH THAT THE CONDUIT FROM MASTARM 2 WILL GO TO THE NEW PULL BOX 4 (TO BE USED FOR NEW SIGNAL CABLES)

- 21 INTERCEPT EXISTING ELECTRICAL CONDUIT FROM EXISTING PEDESTAL POLE 3 TO EXISTING PULL BOX 11 (OR EXISTING PULL BOX 12) AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING PEDESTAL POLE 3 WILL GO TO THE NEW PULL BOX 5 (TO BE USED FOR NEW SIGNAL CABLES)
- 22 INTERCEPT EXISTING ELECTRICAL CONDUIT FROM EXISTING PULL BOX 12 TO EXISTING MASTARM 3 AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING MASTARM 3 WILL GO TO THE NEW PULL BOX 6 (TO BE USED FOR NEW SIGNAL CABLES)
- 23 REMOVE EXISTING POWER SERVICE RISER FOR SIGNALS. INSTALL 2-2" RISERS ON STANDOFF BRACKETS. BRACKETS ARE TO BE STRAPPED ONTO EXISTING STEEL POLE. HOLES MAY NOT BE DRILLED INTO EXISTING STEEL POLE. ONE RISER IS TO SERVE SIGNALS AND ONE RISER IS TO SERVE STREET LIGHTING. CONTRACTOR SHALL REIMBURSE PNM FOR COST OF SERVICE CONNECTIONS (IF ANY) FOR BOTH SIGNAL AND LIGHTING SERVICES
- 24 EXISTING CONTROL CABINET ON NW CORNER TO BE REMOVED BY THE CITY. EXISTING CONTROL CABINET FOUNDATION TO BE REMOVED BY CONTRACTOR
- 25 BUILD NEW CONTROL CABINET FOUNDATION, SIZE TO FIT TYPE "P" CABINET. NEW CONTROL CABINET TO BE INSTALLED ON NEW FOUNDATION BY THE CONTRACTOR
- 26 INTERCEPT EXISTING INTERCONNECT PULL BOX 13 AND RUN NEW CONDUIT TO NEW PULL BOX 2 (FOR INTERCONNECT)
- 27 EXISTING INTERCONNECT SPLICE CABINET TO REMAIN. PULL NEW COMMUNICATION CABLE 6 PAIR FROM EXISTING SPLICE CABINET THRU EXISTING PULL BOX 13 CONDUIT 20, AND CONDUIT 2 TO CONTROL CABINET
- 28 INTERCEPT EXISTING CONDUIT FROM EXISTING PULL BOX 1A TO EXISTING PEDESTAL POLE 4 AND RECONFIGURE SUCH THAT THE CONDUIT FROM PEDESTAL POLE 4 WILL GO TO THE NEW PULL BOX 10 (TO BE USED FOR NEW SIGNAL CABLES)
- 29 INTERCEPT EXISTING ELECTRICAL CONDUIT FROM EXISTING PULL BOX 1 TO EXISTING PULL BOX 14 AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING PULL BOX 14 WILL GO TO THE NEW PULL BOX 3 (TO BE USED FOR DETECTORS)
- 30 BUILD NEW TRAFFIC SIGNAL MASTARM FOUNDATION, TYPE II. SET NEW ANCHOR BOLTS TO FIT EXISTING MASTARM 4 AS DIRECTED BY THE CITY. THE EXISTING MASTARM 4 WILL BE RELOCATED TO NEW FOUNDATION BY THE CITY
- 31 INSTALL DETECTOR STUBOUTS FROM PULL BOX PER LOOP WIRE TERMINATION DETAILS
- 32 INSTALL 6'X40' QUADRUPOLE LOOP DETECTOR
- 33 EXISTING QUADRUPOLE LOOP DETECTORS TO REMAIN. PULL NEW LOOP LEAD-IN CABLES TO NEW CONTROLLER LOCATION (3 EACH). RECONNECT NEW LOOP LEAD-IN CABLES TO EXISTING LOOP WIRES AT PULL BOX 14
- 34 EXISTING 3-SECTION TRAFFIC SIGNAL ASSEMBLY TO BE REMOVED BY THE CITY AND REPLACED WITH 5-SECTION TRAFFIC SIGNAL ASSEMBLY BY THE CONTRACTOR

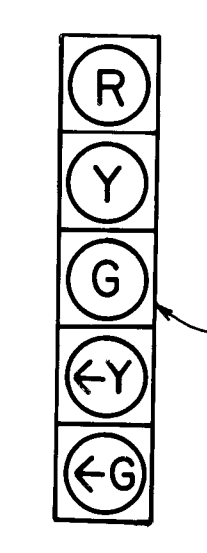
- 35 BUILD NEW WHEELCHAIR RAMP AND REPLACE EXISTING SIDEWALKS WHEN CONSTRUCTION OF UNDERGROUND FACILITIES ARE COMPLETE
- 36 EXISTING SIGNAL CONDUIT TO BE CONVERTED FOR NEW STREET LIGHTING CIRCUIT. REMOVE EXISTING SIGNAL CABLES. PULL NEW 2-1/2" #2 AWG AND 1-1/2" #6 BARE COPPER GROUND DELETED - UNABLE TO REMOVE SIGNAL EXISTING STEEL POLE
- 37 INSTALL NEW METER PEDESTAL (FOR SIGNALS), 10' MINIMUM DISTANCE TO THE WEST OF EXISTING STEEL POLE
- 38 INTERCEPT EXISTING ELECTRICAL CONDUIT FROM EXISTING PULL BOX 12 TO EXISTING MASTARM 4 AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING PULL BOX 12 WILL GO TO THE NEW LIGHTING SERVICE PULL BOX
- 39 CONTRACTOR SHALL REIMBURSE PNM TO REPLACE EXISTING STREET LIGHT WITH NEW 250W HPS STREET LIGHT
- 40 INTERCEPT EXISTING ELECTRICAL CONDUIT (SIGNALS) FROM EXISTING PULL BOX 12 TO EXISTING PEDESTAL POLE 3 AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING PULL BOX 12 WILL GO TO THE NEW LIGHTING PULL BOX IN MEDIAN (TO BE USED FOR NEW LIGHTING)
- 41 INTERCEPT EXISTING ELECTRICAL CONDUIT (SIGNALS) FROM EXISTING PULL BOX 11 TO EXISTING PEDESTAL POLE 3 AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING PULL BOX 12 WILL GO TO THE NEW LIGHTING PULL BOX IN MEDIAN (TO BE USED FOR NEW LIGHTING)
- 42 SEE KEY NOTE 12, EUBANK LIGHTING PLAN
- 43 INSTALL NEW PULL BOX (FOR LIGHTING) 10' MINIMUM DISTANCE TO THE WEST OF EXISTING STEEL POLE, AND WEST OF SIGNAL SERVICE.

CHANGES NOTED C.S.

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RECORD DRAWINGS, DATE: 9-23-92

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SIGNAL HEAD DETAIL

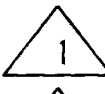
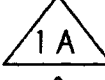
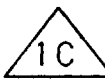
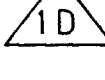
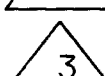
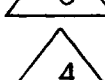
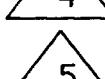
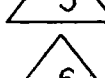
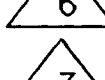
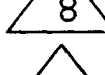
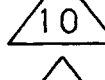
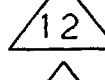
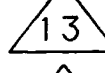
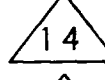
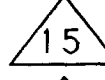
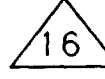
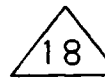
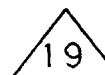
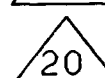
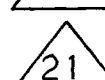
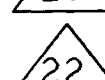
AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	DATE	NO.	FIELD	NO.	BY	NO.	BY	DATE	REVISIONS	DESIGN	DATE
CONTRACTOR Sundance Mechanical	DATE		FIELD								
WORKED BY BHI											
INSPECTOR'S											
ACCEPTANCE BY COA - C.S. DATE 6-92											
VERIFICATION BY BHI DATE 10-1-92											
DRAWINGS											
SUBMITTED BY BHI DATE 10-1-92											
MICRO-FILM INFORMATION											
RECORDED BY											
DATE											

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TOWNE PARK PLAZA EUBANK BLVD/CHICO ROAD SIGNAL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Rayellian	12-3-91	Water	MDL	11-22-92
Transportation	Zapata	7/2/91	Waste Water	MDL	"
Hydrology	N/A	11-27-91	NMUI		
DRAWING NO. 4237.90		MAP NO. K-21		SHEET 19 OF 34	

CABLE RUNS

CABLE	LENGTH	CONDUCTOR	AWG	TYPE	REMARKS
1	215'	3-1/C	6	THW	NEW POWER SERVICE
1A	15'	2-20/C	14	MCC	
1B	15'	1-5/C	14	MCC	
1C	15'	1-1/C	10	THW	NEUTRAL
1D	15'	6-LOOP LEAD-IN CABLES			
2	15'	1-COMM. CABLE, 6 PAIR,			INTERCONNECT
3	35'	2-20/C	14	MCC	
	35'	1-5/C	14	MCC	
	35'	1-1/C	10	THW	NEUTRAL
4	35'	4-LOOP LEAD-IN CABLES			
	90'	2-20/C	14	MCC	
	90'	1-5/C	14	MCC	
	90'	1-1/C	10	THW	NEUTRAL
	90'	1-LOOP LEAD-IN CABLE			
5	80'	2-20/C	14	MCC	
	80'	1-5/C	14	MCC	
	80'	1-1/C	10	THW	NEUTRAL
	80'	1-LOOP LEAD-IN CABLE			
6	50'	2-20/C	14	MCC	
	50'	1-5/C	14	MCC	
	50'	1-1/C	10	THW	NEUTRAL
7	45'	2-20/C	14	MCC	
	45'	1-5/C	14	MCC	
	45'	1-1/C	10	THW	NEUTRAL
8	50'	2-20/C	14	MCC	
	50'	1-5/C	14	MCC	
	50'	1-1/C	10	THW	NEUTRAL
	50'	1-LOOP LEAD-IN CABLE			
9	55'	2-20/C	14	MCC	
	55'	1-5/C	14	MCC	
	55'	1-1/C	10	THW	NEUTRAL
	55'	1-LOOP LEAD-IN CABLE			
10	75'	2-20/C	14	MCC	
	75'	1-5/C	14	MCC	
	75'	1-1/C	10	THW	NEUTRAL
	75'	1-LOOP LEAD-IN CABLE			
11	55'	2-20/C	14	MCC	
	55'	1-5/C	14	MCC	
	55'	1-1/C	10	THW	NEUTRAL
	55'	2-LOOP LEAD-IN CABLES			
12	30'	1-12/C	14	MCC	
	30'	1-1/C	10	THW	NEUTRAL
13	20'	1-7/C	14	MCC	
	20'	1-5/C	14	MCC	
	20'	1-1/C	10	THW	NEUTRAL
14	30'	1-12/C	14	MCC	
	30'	1-5/C	14	MCC	
	30'	1-1/C	10	THW	NEUTRAL
15	25'	1-7/C	14	MCC	
	25'	1-1/C	10	THW	NEUTRAL
16	20'	1-7/C	14	MCC	
	20'	1-1/C	10	THW	NEUTRAL
17	20'	1-12/C	14	MCC	
	20'	1-5/C	14	MCC	
	20'	1-1/C	10	THW	NEUTRAL
18	20'	1-12/C	14	MCC	
	20'	1-5/C	14	MCC	
	20'	1-1/C	10	THW	NEUTRAL
19	20'	1-7/C	14	MCC	
	20'	1-1/C	10	THW	NEUTRAL
20	15'	1-COMM. CABLE, 6 PR.,			INTERCONNECT
21	50'	3-LOOP LEAD-IN CABLES			
22	45'	1-LOOP LEAD-IN CABLE			
23	35'	1-LOOP LEAD-IN CABLE			
24	45'	1-LOOP LEAD-IN CABLE			
PED POLE 3	15'	1-7/C	14	MCC	FOR NEW 5 SECTION SIGN
PED POLES 1, 2 & 4		REPLACEMENT OF EXISTING WIRING, IF ANY, WILL BE BY THE CITY.			
MASTARMS 1 TO 4		REPLACEMENT OF EXISTING WIRING, IF ANY, WILL BE BY THE CITY.			

CONDUIT RUNS

<u>CONDUIT</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>TYPE</u>	<u>REMARKS</u>
	10' (10'*)	2"	REC	CONTROLLER TO PB 1
	(55'*)	2"	REC	P,3 1 TO PB 1A
	20' (75'*)	2"	REC	PB 1A TO PB 1B
	10'	2"	REC	PB 1B TO METER PEDESTAL
	10'	2"	REC	METER PEDESTAL TO RISER
	10'	2-3"	REC	CONTROLLER TO PB 2
	30'	3"	REC	PB 2 TO PB 3
	85'	3"	REC	PB 3 TO PB 4
	75'	3"	REC	PB 4 TO PB 5
	45'	3"	REC	PB 5 TO PB 6
	40'	3"	REC	PB 6 TO PB 7
	45'	3"	REC	PB 7 TO PB 8
	50'	3"	REC	PB 8 TO PB 9
	70'	3"	REC	PB 9 TO PB 10
	50'	3"	REC	PB 10 TO PB 12
	15' (10'*)	2"	REC	PB 3 TO MA 1
	10' (5'*)	2"	REC	PB 3 TO PP 1
	15' (10'*)	2"	REC	PB 4 TO MA 2
	10' (10'*)	2"	REC	PB 4 TO PP 2
	10' (5'*)	2"	REC	PB 5 TO PP 3
	10' (5'*)	2"	REC	PB 6 TO MA 3
	15'	2"	REC	PB 8 TO MA 4
	10' (5'*)	2"	REC	PB 10 TO PP 4
	10'	2"	REC	PB 13 TO PB 2
	20' (25'*)	2"	REC	PB 3 TO PB 14
	40'	2"	REC	PB 5 TO PB 15
	30'	2"	REC	PB 7 TO PB 16
	40'	2"	REC	PB 10 TO PB 17
LOOPS	15'	1"	REC	DETECTOR STUBS

*EXISTING CONDUIT TO BE UTILIZED FOR THIS INSTALLATION.

FUNCTION CHART

CON- DUCTOR	BASE COLOR	TRACER	FUNCTION	(RING 1) FIELD CONNECTION	(RING 2) FUNCTION	FIELD CONNECTION
1.	BLACK	-	SPARE	FIELD CONNECTIONS TO SIGNALS WILL BE ASSIGNED BY THE CITY.	SPARE	FIELD CONNECTIONS TO SIGNALS WILL BE ASSIGNED BY THE CITY.
2.	WHITE	-	SPARE		SPARE	
3.	RED	-	Ø1 RED		Ø5 RED	
4.	GREEN	-	Ø1 GREEN		Ø5 GREEN	
5.	ORANGE	-	Ø1 YELLOW		Ø5 YELLOW	
6.	BLUE	-	SPARE		SPARE	
7.	WHITE	BLACK	SPARE		SPARE	
8.	RED	BLACK	Ø2 RED		Ø6 RED	
9.	GREEN	BLACK	Ø2 GREEN		Ø6 GREEN	
10.	ORANGE	BLACK	Ø2 YELLOW		Ø6 YELLOW	
11.	BLUE	BLACK	Ø2 WALK	FIELD CONNECTIONS TO SIGNALS WILL BE ASSIGNED BY THE CITY.	Ø6 WALK	FIELD CONNECTIONS TO SIGNALS WILL BE ASSIGNED BY THE CITY.
12.	BLACK	WHITE	Ø2 DON'T WALK		Ø6 DON'T WALK	
13.	RED	WHITE	Ø3 RED		Ø7 RED	
14.	GREEN	WHITE	Ø3 GREEN		Ø7 GREEN	
15.	BLUE	WHITE	Ø3 YELLOW		Ø7 YELLOW	
16.	BLACK	RED	Ø4 RED		Ø8 RED	
17.	WHITE	RED	Ø4 GREEN		Ø8 GREEN	
18.	ORANGE	RED	Ø4 YELLOW		Ø8 YELLOW	
19.	BLUE	RED	Ø4 WALK		Ø8 WALK	
20.	RED	GREEN	Ø4 DON'T WALK		Ø8 DON'T WALK	

NOTE: IDENTIFY CABLES ABOVE AS "115 VOLTS" AND CABLES BELOW AS "P.P.B.-LOW VOLTAGE" AT EACH SPLICE POINT.
5 CONDUCTOR CABLE 24 VOLTS (PUSH BUTTONS ONLY).

NOTE: WRAP RING 2 CABLE AT EACH SPLICE POINT
WITH COLORED ELECTRICAL TAPE, AT EACH END

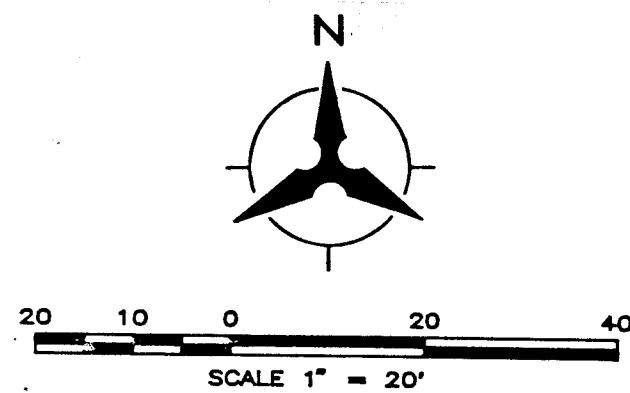
NEW LOOP LEAD IN CABLES

FROM	TO	LENGTH
PB-14	CONTROLLER	3X100' = 300'
PB-15	CONTROLLER	1X265' = 265'
PB-16	CONTROLLER	1X285' = 285'
PB-17	CONTROLLER	1X115' = 115'
	TOTAL	<u>965'</u>

RECORD DRAWINGS, DATE: 7-23-92

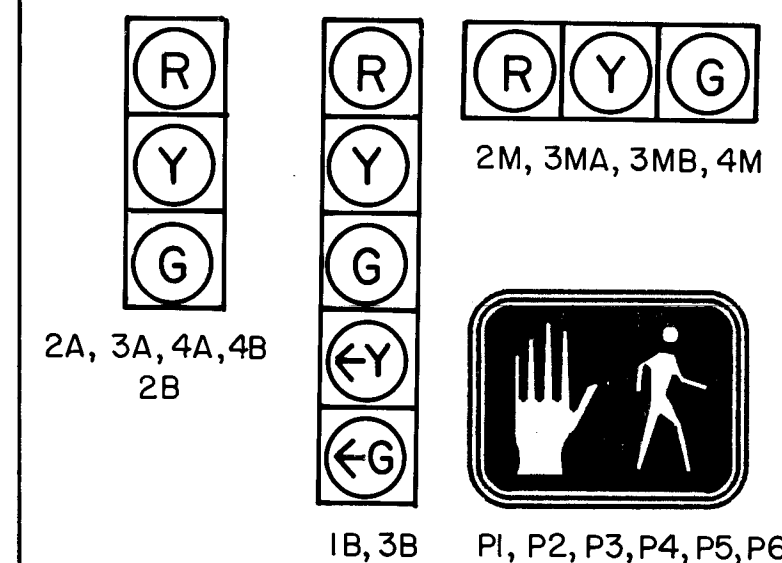
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		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE:		TOWNE PARK PLAZA EUBANK BLVD./CHICO RD. CONDUITS, CABLES, & FUNCTIONS			
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>Boyd J. Shaw</i>	12/3/91	WATER	<i>NDOha</i>	11-27-91
TRANSPORTATION	<i>Edgar J. Shaw</i>	7/9/91	WASTE WATER	<i>ASD</i>	" "
HYDROLOGY	<i>N/A</i>	11/27/91	NMUI		
DRAWING NO.		MAP NO.		SHEET OF	
4237.90		K-21		20 34	

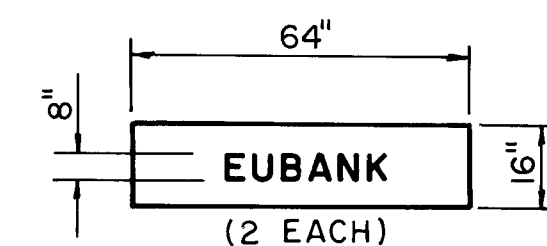


KEYED NOTES

- EXISTING ELECTRICAL PULL BOX (SIGNALS) TO REMAIN
- EXISTING ELECTRICAL PULL BOX (SIGNALS) TO BE REMOVED
- EXISTING ELECTRICAL PULL BOX (INTERCONNECT) TO BE REMOVED
- EXISTING ELECTRICAL CONDUIT (SIGNALS) TO REMAIN
- EXISTING ELECTRICAL CONDUIT (SIGNALS) TO BE ABANDONED IN PLACE. REMOVE EXISTING WIRING
- EXISTING ELECTRICAL CONDUIT (INTERCONNECT) TO BE REMOVED
- INSTALL NEW ELECTRICAL PULL BOX (STANDARD) FOR SIGNALS
- INSTALL NEW ELECTRICAL PULL BOX (STANDARD) FOR INTERCONNECT
- INSTALL NEW ELECTRICAL PULL BOX (LARGE) FOR SIGNALS
- INSTALL NEW ELECTRICAL CONDUIT - 3" FOR SIGNALS
- INSTALL NEW ELECTRICAL CONDUIT - 2" FOR SIGNALS
- INSTALL NEW ELECTRICAL CONDUIT - 2" FOR INTERCONNECT
- INTERCEPT EXISTING ELECTRICAL CONDUIT FROM EXISTING PULL BOX 2 TO EXISTING PEDESTAL POLE ON NW CORNER. AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING PULL BOX 2 WILL GO TO THE NEW MASTARM 2 (TO BE USED FOR NEW SIGNAL CABLES)
- INTERCEPT EXISTING ELECTRICAL CONDUIT FROM EXISTING PULL BOX 3 CROSSING SB LANES AND RECONFIGURE SUCH THAT THE CONDUIT FROM EXISTING PULL BOX 3 WILL GO TO THE NEW PULL BOX 4 (TO BE USED FOR NEW SIGNAL CABLES)
- INTERCEPT EXISTING ELECTRICAL CONDUIT CROSSING NB LANES AND RECONFIGURE SUCH THAT THE CONDUIT WILL CONNECT FROM NEW PULL BOX 4 TO NEW PULL BOX 5 (TO BE USED FOR NEW SIGNAL CABLES)
- INTERCEPT EXISTING ELECTRICAL CONDUIT CROSSING NB LANES AND RECONFIGURE SUCH THAT THE CONDUIT WILL CONNECT FROM NEW PULL BOX 8 TO NEW PULL BOX 9 (TO BE USED FOR NEW SIGNAL CABLES)
- INTERCEPT EXISTING ELECTRICAL CONDUIT FROM EXISTING PULL BOX 1 CROSSING SB LANES AND RECONFIGURE SUCH THAT THE CONDUIT FROM THE EXISTING PULL BOX 1 WILL GO TO THE NEW PULL BOX 9 (TO BE USED FOR SIGNAL CABLES)
- BUILD NEW TRAFFIC SIGNAL MASTARM FOUNDATION, TYPE II. INSTALL NEW MASTARM 2 (25' ARM). INSTALL NEW SIGNALS 2A, 2M, P1, AND P2. INSTALL NEW PEDESTRIAN PUSHBUTTONS PPB1 AND PPB2. INSTALL NEW STREET NAME SIGN (EUBANK) ON NEW MASTARM 2
- EXISTING PEDESTAL POLE TO BE REMOVED BY THE CITY. EXISTING TRAFFIC SIGNAL FOUNDATION TO BE REMOVED BY THE CONTRACTOR
- BUILD NEW TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE. INSTALL NEW PEDESTAL POLE 1 AND NEW SIGNAL 3B
- BUILD NEW TRAFFIC SIGNAL MASTARM FOUNDATION TYPE I. INSTALL NEW MASTARM 3 (30' ARM). INSTALL NEW SIGNALS 3A, 3MA, 3MB, P3 AND P4. INSTALL NEW PEDESTRIAN PUSHBUTTONS PPB3 AND PPB4. MOUNT EXISTING STREET NAME SIGN FROM EXISTING MASTARM 3 ON NEW MASTARM 3
- EXISTING MASTARM 3 TO BE REMOVED BY THE CITY. EXISTING TRAFFIC SIGNAL FOUNDATION TO BE REMOVED BY THE CONTRACTOR
- BUILD NEW TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE. INSTALL NEW PEDESTAL POLE 2 AND NEW SIGNAL 4B
- BUILD NEW TRAFFIC SIGNAL MASTARM FOUNDATION, TYPE II. INSTALL NEW MASTARM 4 (25' ARM). INSTALL NEW SIGNALS 4A, 4M, P5, AND P6. INSTALL NEW PEDESTRIAN PUSHBUTTONS PPB5 AND PPB6. INSTALL NEW STREET NAME SIGN (EUBANK) ON NEW MASTARM 4
- BUILD NEW TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE. INSTALL NEW PEDESTAL POLE 3 AND NEW SIGNAL 1B
- EXISTING MASTARM 1, SIGNALS, AND PEDESTRIAN PUSHBUTTONS TO REMAIN. INSTALL NEW SIGNAL 2B
- EXISTING CONTROL CABINET TO BE REMOVED BY THE CITY. NEW CONTROL CABINET TO BE INSTALLED ON EXISTING FOUNDATION BY THE CONTRACTOR
- INSTALL DETECTOR STUBOUTS FROM PULL BOX PER LOOP WIRE TERMINATION DETAILS
- INSTALL 6'x40' QUADRUPOLE LOOP DETECTOR
- EXISTING QUADRUPOLE LOOP DETECTORS TO REMAIN. EXISTING LOOP LEAD-IN CABLES TO CONTROLLER TO REMAIN
- EXISTING QUADRUPOLE LOOP DETECTORS TO BE ABANDONED. EXISTING LOOP LEAD-IN CABLES TO CONTROLLER TO BE REMOVED
- RELOCATE EXISTING SPLICE CABINET AND PEDESTAL POLE TO NEW FOUNDATION ON SE CORNER. REMOVE EXISTING SPLICE CABINET FOUNDATION
- BUILD NEW TRAFFIC SIGNAL FOUNDATION FOR SPLICE CABINET. REINSTALL EXISTING SPLICE CABINET ON NEW FOUNDATION. PULL NEW COMMUNICATION CABLE 6 PAIR FROM SPLICE CABINET (RELOCATED POSITION) TO EXISTING CONTROL CABINET THRU NEW PULL BOX 8, CONDUIT 10, PULL BOX 9, CONDUIT 11, PULL BOX 1, AND CONDUIT 2
- REMOVE EXISTING SIGNAL POWER SERVICE RISER
- REMOVE EXISTING SIGNAL POWER SERVICE RISER AND DISCONNECT SWITCH
- REMOVE EXISTING POWER SERVICE CONDUIT AND WIRING
- REMOVE EXISTING ABANDONED POWER SERVICE RISER
- REMOVE EXISTING ABANDONED POWER SERVICE RISER AND DISCONNECT SWITCH
- REMOVE EXISTING WOOD SERVICE POLE
- INSTALL NEW METER PEDESTAL
- INSTALL NEW SINGLE PHASE PEDESTAL METERING (RISER)
- INTERCEPT EXISTING CONDUIT RUN 2 WITH NEW PULL BOX 1A
- EXISTING WOOD STREET LIGHT POLE TO REMAIN. EXISTING YARD LIGHT TO REMAIN. CONTRACTOR TO REIMBURSE PNM TO REPLACE EXISTING STREET LIGHT WITH NEW 250W HPS STREET LIGHT
- BUILD NEW WHEELCHAIR RAMP AND REPLACE EXISTING SIDEWALKS WHEN CONSTRUCTION OF UNDERGROUND FACILITIES ARE COMPLETE



SIGNAL HEAD DETAIL



STREET NAME SIGN DETAIL

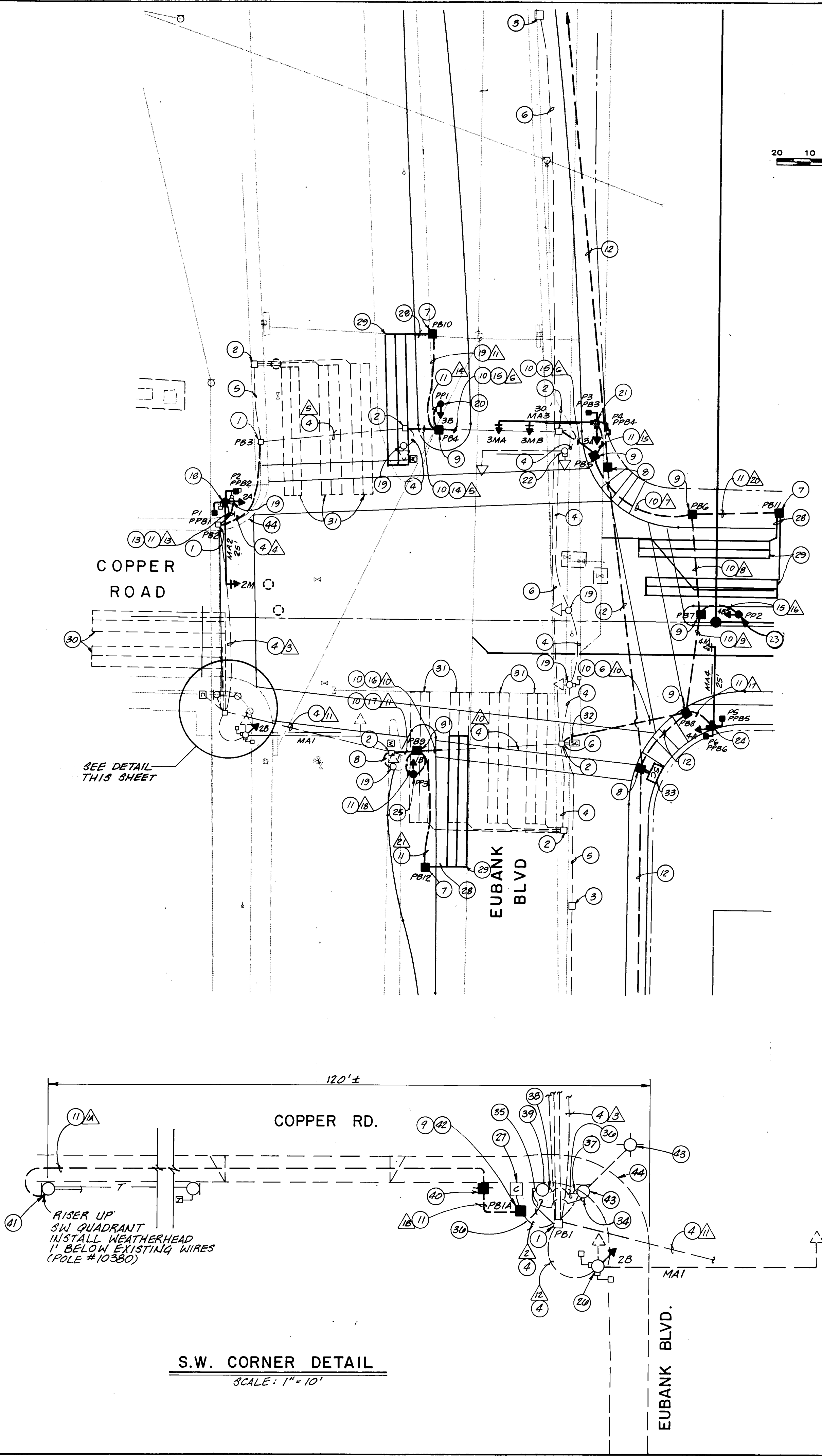
RECORD DRAWINGS, DATE: 9-23-92

ALL "RECORD DRAWING" INFORMATION SHOWN ON THIS PLAN SHEET WAS COMPILED FROM INFORMATION PROVIDED TO BOHANNAN-HUSTON, INC. BY THE OWNER, CONTRACTOR, CITY OF ALBUQUERQUE (CONSTRUCTION OBSERVER), AND THE AS-BUILT SURVEY (BY BHI). BOHANNAN-HUSTON, INC. DOES NOT CERTIFY TO THE ACCURACY, COMPLIANCE OR ACCEPTANCE OF THE CONSTRUCTION OR CONSTRUCTION METHODS.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TOWNE PARK PLAZA EUBANK BLVD./COPPER ROAD SIGNAL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R. J. [Signature]	12-3-91	Water	M. [Signature]	11-27-91
Transportation	R. [Signature]	7/19/91	Waste Water	M. [Signature]	"
Hydrology	N/A	11/27/91			
DRAWING NO.	4237.90	MAP NO.	K-21	SHEET	21 OF 34

SCANNED BY
BY LASON

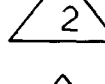
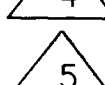
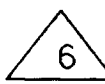
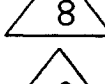
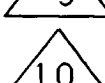
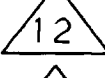
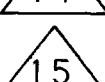
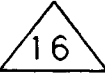
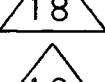
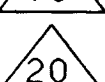
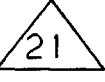
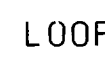
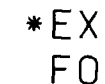


S.W. CORNER DETAIL
SCALE: 1" = 10'

CABLE RUNS

<u>CABLE</u>	<u>LENGTH</u>	<u>CONDUCTOR</u>	<u>AWG</u>	<u>TYPE</u>	<u>REMARKS</u>
	110'	3-1/C	6	THW	NEW POWER
	20'	3-1/C	6	THW	NEW POWER
	10'	3-1/C	6	THW	NEW POWER
	15'	2-20/C	14	MCC	
	15'	1-5/C	14	MCC	
	15'	1-1/C	10	THW	NEUTRAL
	15'	6-LOOP LEAD-IN CABLES			
	15'	1-COMM. CABLE, 6 PAIR,			INTERCONNECT
	65'	2-20/C	14	MCC	
	65'	1-5/C	14	MCC	
	65'	1-1/C	10	THW	NEUTRAL
	65'	1-LOOP LEAD-IN CABLE			
	40'	2-20/C	14	MCC	
	40'	1-5/C	14	MCC	
	40'	1-1/C	10	THW	NEUTRAL
	40'	1-LOOP LEAD-IN CABLE			
	65'	2-20/C	14	MCC	
	65'	1-5/C	14	MCC	
	65'	1-1/C	10	THW	NEUTRAL
	65'	1-LOOP LEAD-IN CABLE			
	60'	2-20/C	14	MCC	
	60'	1-5/C	14	MCC	
	60'	1-1/C	10	THW	NEUTRAL
	45'	2-20/C	14	MCC	
	45'	1-5/C	14	MCC	
	45'	1-1/C	10	THW	NEUTRAL
	40'	2-20/C	14	MCC	
	40'	1-5/C	14	MCC	
	40'	1-1/C	10	THW	NEUTRAL
	40'	2-LOOP LEAD-IN CABLES			
	40'	2-20/C	14	MCC	
	40'	1-5/C	14	MCC	
	40'	1-1/C	10	THW	NEUTRAL
	40'	2-LOOP LEAD-IN CABLES			
	95'	2-20/C	14	MCC	
	95'	1-5/C	14	MCC	
	95'	1-1/C	10	THW	NEUTRAL
	95'	2-LOOP LEAD-IN CABLES			
	95'	1-COMM. CABLE, 6 PR.,			INTERCONNECT
	70'	2-20/C	14	MCC	
	70'	1-5/C	14	MCC	
	70'	1-1/C	10	THW	NEUTRAL
	70'	3-LOOP LEAD-IN CABLES			
	70'	1-COMM. CABLE, 6 PR.,			INTERCONNECT
	15'	1-12/C	14	MCC	
	15'	1-5/C	14	MCC	
	15'	1-1/C	10	THW	NEUTRAL
	15'	1-12/C	14	MCC	
	15'	1-5/C	14	MCC	
	15'	1-1/C	10	THW	NEUTRAL
	20'	1-7/C	14	MCC	
	20'	1-1/C	10	THW	NEUTRAL
	20'	1-12/C	14	MCC	
	20'	1-5/C	14	MCC	
	20'	1-1/C	10	THW	NEUTRAL
	20'	1-7/C	14	MCC	
	20'	1-1/C	10	THW	NEUTRAL
	20'	1-12/C	14	MCC	
	20'	1-5/C	14	MCC	
	20'	1-1/C	10	THW	NEUTRAL
	20'	1-7/C	14	MCC	
	20'	1-1/C	10	THW	NEUTRAL
	40'	1-LOOP LEAD-IN CABLE			
	35'	2-LOOP LEAD-IN CABLES			
	45'	1-LOOP LEAD-IN CABLE			
MASTARM 1	15'	1-5/C	14	MCC	S

CONDUIT RUNS

<u>CONDUIT</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>TYPE</u>	<u>REMARKS</u>
	105'	2"	REC	RISER TO METER
	15'	2"	REC	METER TO PB 1A
	(10' *)	3"	REC	CONTROLLER TO PB SERVICE & SIGNALS
	(60' *)	3"	REC	PB 1 TO PB 2
	(35' *)	3"	REC	PB 2 TO PB 3
	15' (45' *)	3"	REC	PB 3 TO PB 4
	25' (30' *)	3"	REC	PB 4 TO PB 5
	40'	3"	REC	PB 5 TO PB 6
	35'	3"	REC	PB 6 TO PB 7
	35'	3"	REC	PB 7 TO PB 8
	50' (40' *)	3"	REC	PB 8 TO PB 9
	10' (55' *)	3"	REC	PB 9 TO PB 1
	(10' *)	3"	REC	PB 1 TO MA 1
	10'	2"	REC	PB 2 TO MA 2
	15'	2"	REC	PB 4 TO PP 1
	15'	2"	REC	PB 5 TO MA 3
	15'	2"	REC	PB 7 TO PP 2
	15'	2"	REC	PB 8 TO MA 4
	15'	2"	REC	PB 9 TO PP 3
	35'	2"	REC	PB 4 TO PB 10
	30'	2"	REC	PB 6 TO PB 11
	40'	2"	REC	PB 9 TO PB 12
L00PS	20'	1"	REC	DETECTOR STUBS

*EXISTING CONDUIT TO BE UTILIZED FOR THIS INSTALLATION.

CABLE RUNS (CONT.)

<u>CABLE</u>	<u>LENGTH</u>	<u>CONDUCTOR</u>	<u>AWG</u>	<u>TYPE</u>	<u>REMARKS</u>
MASTARM 3	50'	1-5/C	14	MCC	SIGNAL 3MA
	40'	1-5/C	14	MCC	SIGNAL 3MB
	15'	1-5/C	14	MCC	SIGNAL 3A
	15'	6-1/C	14	THW	SIGNALS P3 & P6
	5'	4-1/C	14	THW	PPB 3 & PPB 4
MASTARM 4	45'	1-5/C	14	MCC	SIGNAL 4M
	15'	1-5/C	14	MCC	SIGNAL 4A
	15'	6-1/C	14	THW	SIGNALS P5 & P6
	5'	4-1/C	14	THW	PPB 5 & PPB 6

FUNCTION CHART

CON- BASE				(RING 1)	(RING 2)	
DUCTOR	COLOR	TRACER	FUNCTION	FIELD CONNECTION	FUNCTION	FIELD CONNECTION
1.	BLACK	-	SPARE	FIELD CONNECTIONS TO SIGNALS WILL BE ASSIGNED BY THE CITY.	SPARE	FIELD CONNECTIONS TO SIGNALS WILL BE ASSIGNED BY THE CITY.
2.	WHITE	-	SPARE		SPARE	
3.	RED	-	Ø1 RED		Ø5 RED	
4.	GREEN	-	Ø1 GREEN		Ø5 GREEN	
5.	ORANGE	-	Ø1 YELLOW		Ø5 YELLOW	
6.	BLUE	-	SPARE		SPARE	
7.	WHITE	BLACK	SPARE		SPARE	
8.	RED	BLACK	Ø2 RED		Ø6 RED	
9.	GREEN	BLACK	Ø2 GREEN		Ø6 GREEN	
10.	ORANGE	BLACK	Ø2 YELLOW		Ø6 YELLOW	
11.	BLUE	BLACK	Ø2 WALK	Ø6 WALK		
12.	BLACK	WHITE	Ø2 DON'T WALK	Ø6 DON'T WALK		
13.	RED	WHITE	Ø3 RED	Ø7 RED		
14.	GREEN	WHITE	Ø3 GREEN	Ø7 GREEN		
15.	BLUE	WHITE	Ø3 YELLOW	Ø7 YELLOW		
16.	BLACK	RED	Ø4 RED	Ø8 RED		
17.	WHITE	RED	Ø4 GREEN	Ø8 GREEN		
18.	ORANGE	RED	Ø4 YELLOW	Ø8 YELLOW		
19.	BLUE	RED	Ø4 WALK	Ø8 WALK		
20.	RED	GREEN	Ø4 DON'T WALK	Ø8 DON'T WALK		

NOTE: IDENTIFY CABLES ABOVE AS "115 VOLTS" AND CABLES BELOW AS "P.P.B.-LOW VOLTAGE" AT EACH SPLICE POINT.
5 CONDUCTOR CABLE 24 VOLTS (PUSH BUTTONS ONLY).

NOTE: WRAP RING 2 CABLE AT EACH SPLICE POINT
WITH COLORED ELECTRICAL TAPE, AT EACH END

1.	BLACK	-	Ø2 PPB
2.	WHITE	-	COMMON
3.	RED	-	Ø4 PPB
4.	GREEN	-	Ø6 PPB
5.	ORANGE	-	Ø8 PPB

FIELD CONNECTIONS
TO SIGNALS WILL BE
ASSIGNED BY THE CITY

NEW LOOP LEAD IN CABLES

FROM	TO	LENGTH
PB-10	CONTROLLER	1X225' = 225'
PB-11	CONTROLLER	2X295' = 590'
PB-12	CONTROLLER	1X130' = 130'
	TOTAL	945'

PEDESTRIAN PUSH BUTTON DESIGNATION SIGNS

PPB	2,4,6	R10	-	4b	L
PPB	1,3,5	R10	-	4b	R

CABLE RUNS (CONT.)

<u>CABLE</u>	<u>LENGTH</u>	<u>CONDUCTOR</u>	<u>AWG</u>	<u>TYPE</u>	<u>REMARKS</u>
PED POLE 1	15'	1-7/C	14	MCC	SIGNAL 3B
PED POLE 2	15'	1-5/C	14	MCC	SIGNAL 4B
PED POLE 3	15'	1-7/C	14	MCC	SIGNAL 1B

RECORD DRAWINGS, DATE: 9-23-92

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		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: TOWNE PARK PLAZA EUBANK BLVD./CHICO RD. CONDUITS, CABLES, & FUNCTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>Ray Wilson</i>	<i>12/31/91</i>	WATER	<i>MC Don</i>	<i>11-27-91</i>
TRANSPORTATION	<i>22 guthrie</i>	<i>7/29/91</i>	WASTE WATER	<i>ADD</i>	"
HYDROLOGY	<i>N/A</i>	<i>1/27/91</i>	MHI		
DRAWING NO.		4237.90	MAP NO.		K-21
			SHEET		22 OF 34

SCALE: 1" = 50'

SE CORNER DETAIL
SCALE: 1" = 20'

NE CORNER DETAIL
SCALE: 1" = 20'

KEYED NOTES

- EXISTING ELECTRICAL PULL BOX TO REMAIN
- EXISTING ELECTRICAL PULL BOX TO BE REMOVED
- EXISTING ELECTRICAL CONDUIT TO REMAIN
- EXISTING ELECTRICAL CONDUIT TO BE REMOVED
- EXISTING TRAFFIC SIGNAL MANHOLE TO REMAIN
- EXISTING TRAFFIC SIGNAL MANHOLE TO BE REMOVED
- EXISTING TRAFFIC SIGNAL SPLICE CABINET #2, PEDESTAL POLE (4'), AND FOUNDATION TO REMAIN. CONNECT NEW COMMUNICATION CABLE FROM SPLICE CABINET #1 (NORTH, 12 PAIR), FROM THE NEW CONTROLLER #2 (EAST, 6 PAIR), AND FROM THE SOUTH (12 PAIR)
- EXISTING TRAFFIC SIGNAL SPLICE CABINET #1 AND PEDESTAL POLE (4') TO BE RELOCATED
- INSTALL NEW ELECTRICAL PULL BOX (STD)
- INSTALL NEW ELECTRICAL CONDUIT (2")
- INSTALL NEW PEDESTAL FOUNDATION FOR SPLICE CABINET. VERIFY ANCHOR BOLT PATTERN FROM EXISTING SPLICE CABINET #1. RELOCATE EXISTING SPLICE CABINET #1 AND MOUNT ONTO NEW FOUNDATION. CONNECT COMMUNICATION CABLES FROM MANHOLE #1 (NORTH, 6 PAIR), FROM NEW CONTROLLER #1 (WEST, 6 PAIR), AND FROM NEW CONTROLLER #2 (SOUTH, 12 PAIR)
- PULL EXISTING COMMUNICATION CABLE, 6 PAIR, FROM EXISTING SPLICE CABINET #1 (EXISTING POSITION) BACK TO MANHOLE #1 BEFORE REMOVING CONDUIT
- PULL EXISTING COMMUNICATION CABLE, 6 PAIR, FROM MANHOLE #1 BACK TO SPLICE CABINET #1 (RELOCATED POSITION)
- DISCONNECT EXISTING COMMUNICATION CABLE, 12 PAIR, AT EXISTING SPLICE CABINET #1 (EXISTING POSITION) AT EUBANK/COPPER AND SPLICE CABINET #2 AT EUBANK/CHICO. REMOVE CABLE AND DELIVER TO TRAFFIC ENGINEERING OPERATIONS YARD ON PINO ROAD, NE
- PULL NEW COMMUNICATION CABLE, 12 PAIR, FROM SPLICE CABINET #1 (RELOCATED POSITION) AT EUBANK/COPPER TO SPLICE CABINET #2 AT EUBANK/CHICO
- EXISTING COMMUNICATION CABLE, 6 PAIR, TO REMAIN
- EXISTING COMMUNICATION CABLE, 12 PAIR, TO REMAIN
- PULL NEW COMMUNICATION CABLE, 6 PAIR, FROM SPLICE CABINET #1 (RELOCATED POSITION) TO NEW CONTROLLER #1 ON SW CORNER EUBANK/COPPER (SEE SIGNAL PLANS)
- PULL NEW COMMUNICATION CABLE, 6 PAIR, FROM SPLICE CABINET #2 TO NEW CONTROLLER #2
- INSTALL NEW TRAFFIC SIGNAL MANHOLE, TYPE 1, COIL 50' OF COMMUNICATION CABLE, 12 PAIR, IN MANHOLE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4237. 902392

SCALE: 1" = 50'

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TOWNE PARK PLAZA

EUBANK INTERCONNECT PLAN

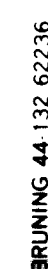
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	Paul Allen	12/3/91	WATER	Allen	11-729
TRANSPORTATION	2/7/91	7/8/91	WASTE WATER	MD	"
HYDROLOGY	N/A	11/27/91			

DRAWING NO.	4237.90	MAP NO.	K-21	SHEET	23	OF	34
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RECORD DRAWINGS, DATE: 9-23-92

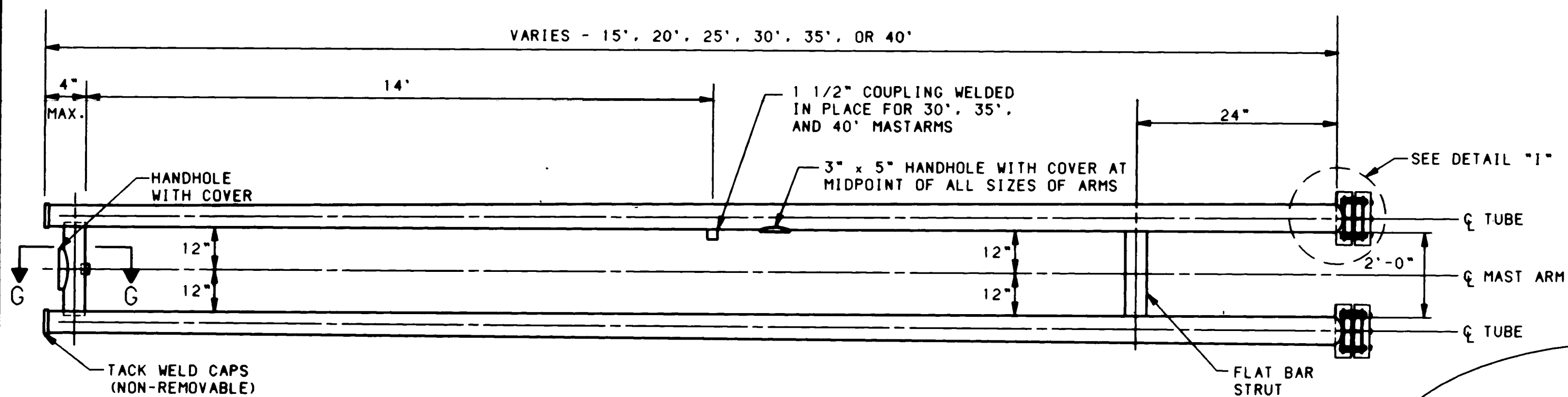
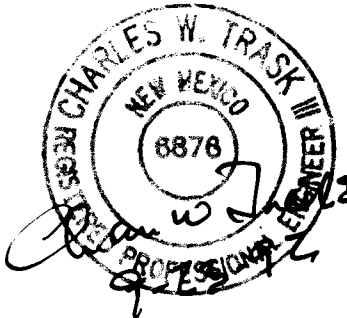
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SCANNED BY
BY LASON

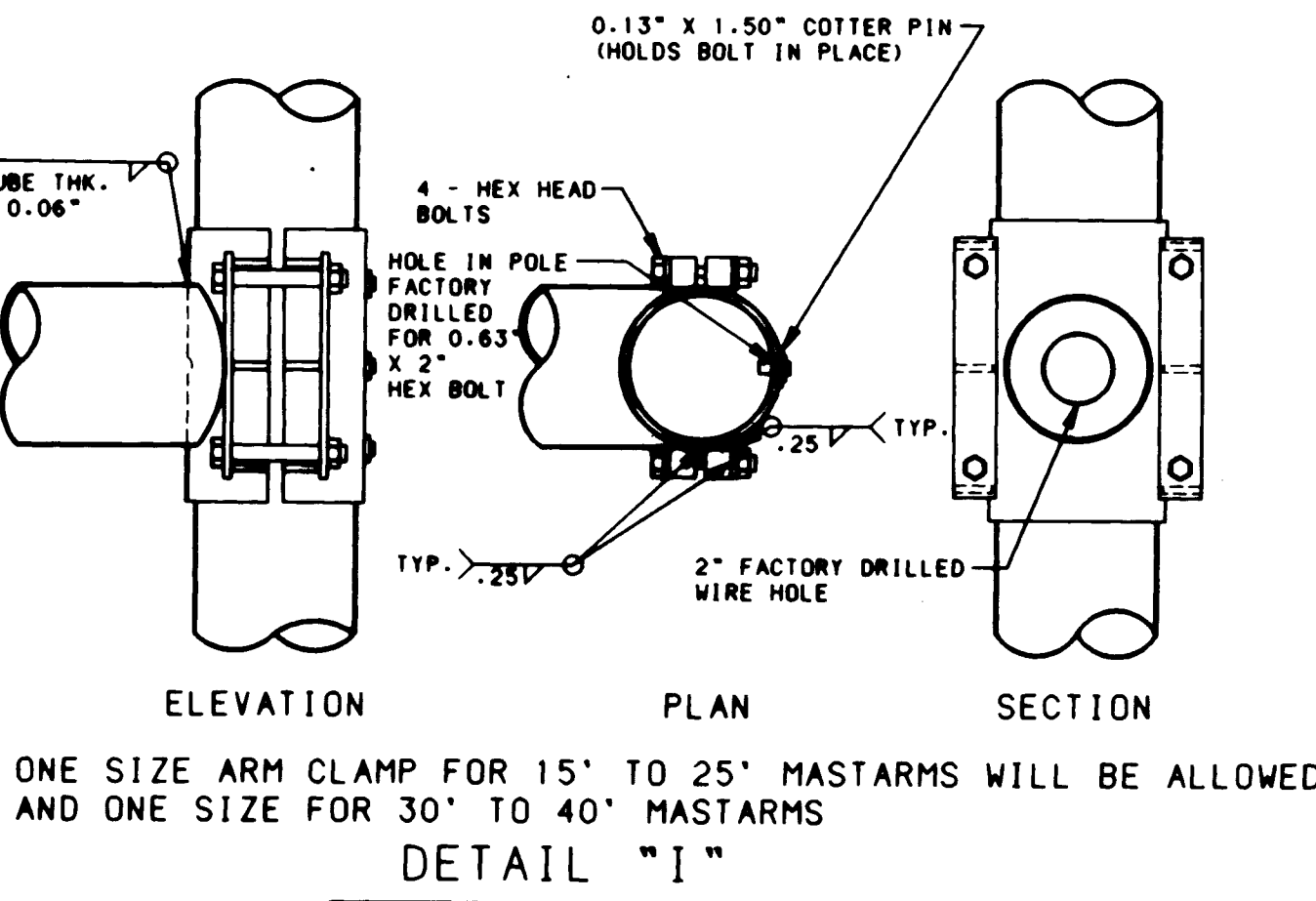
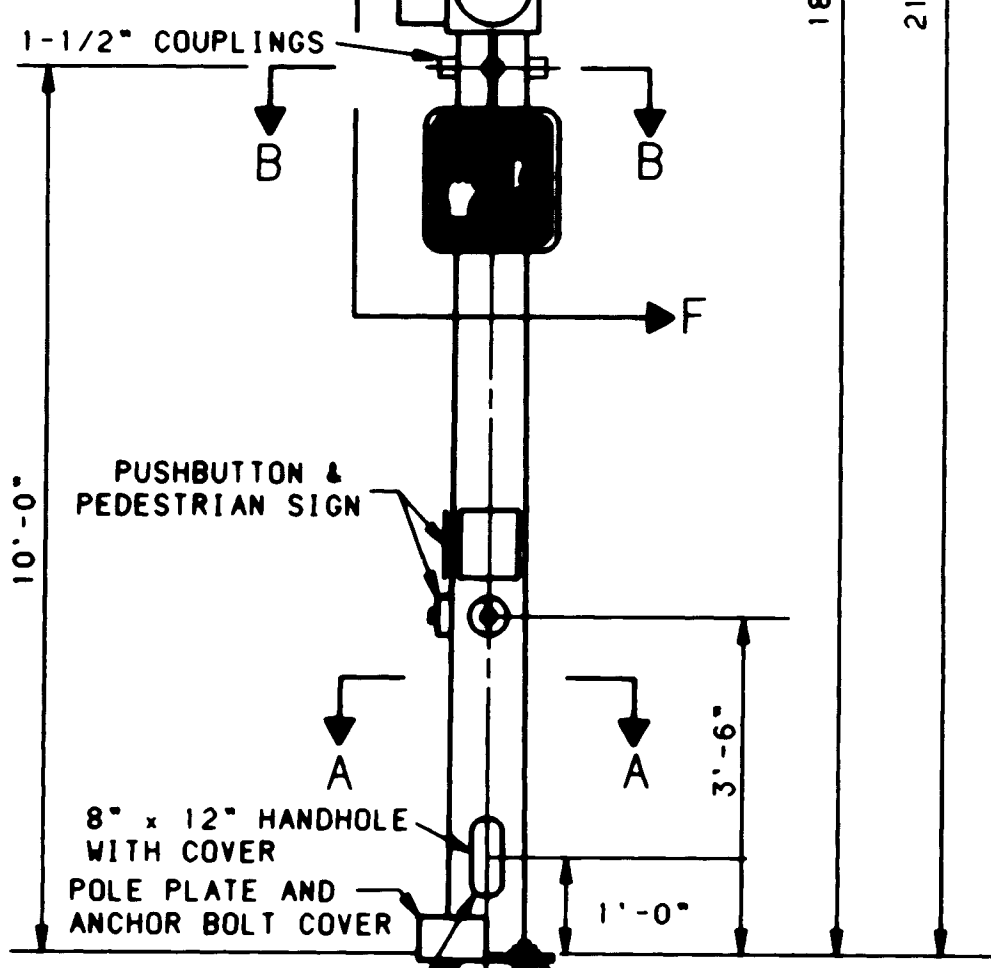
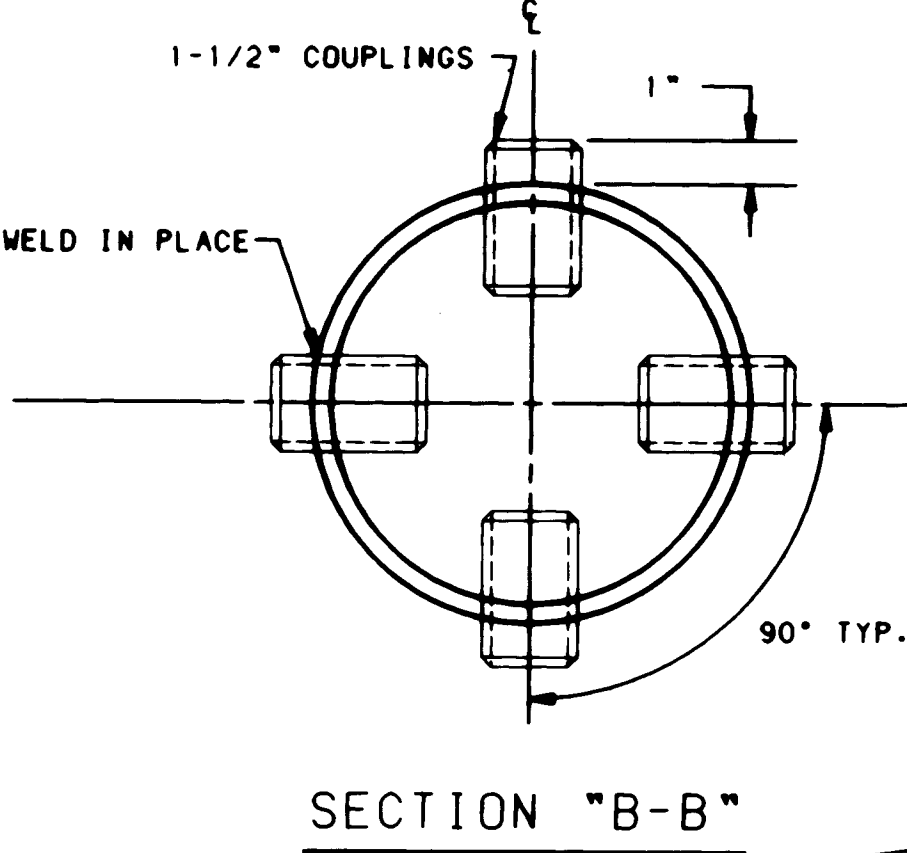
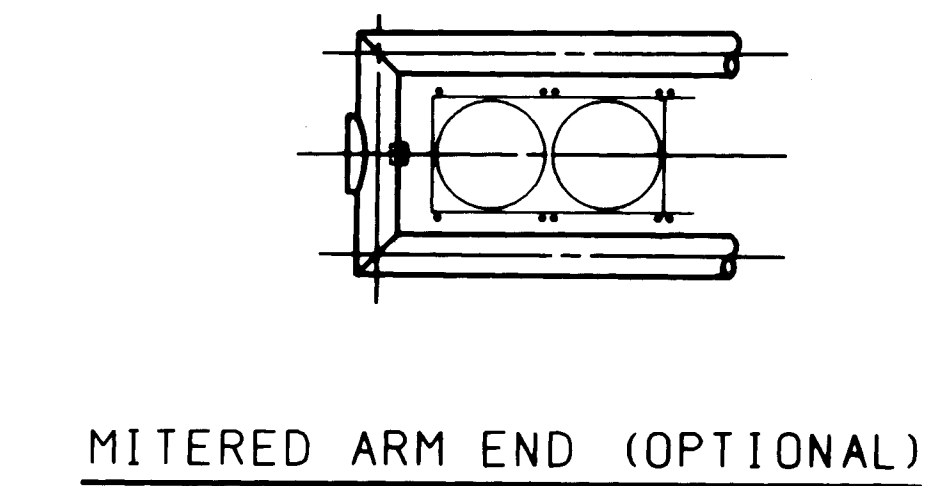
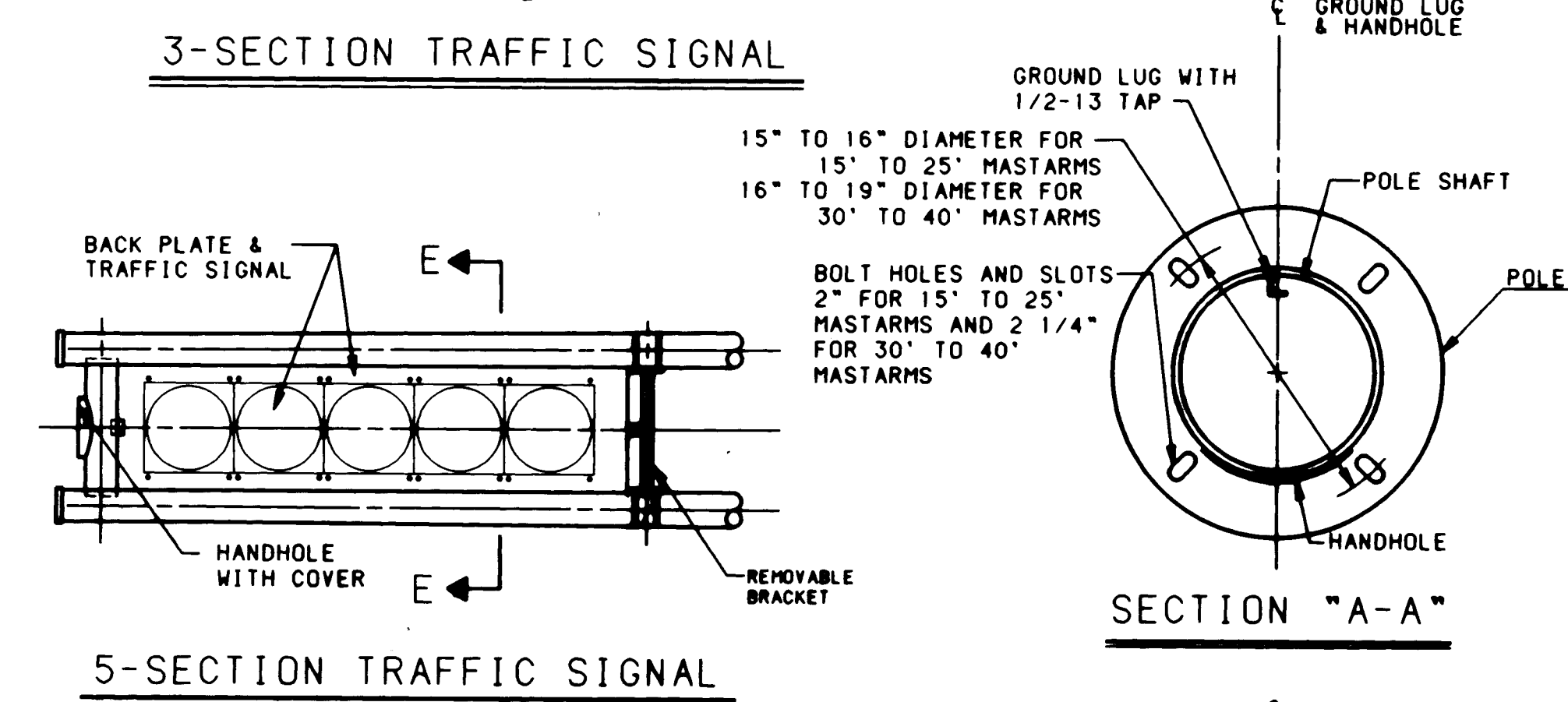
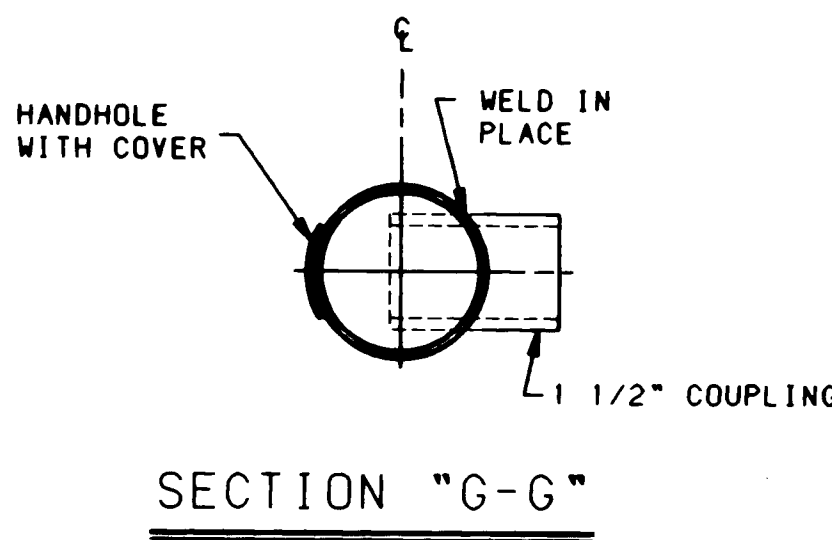
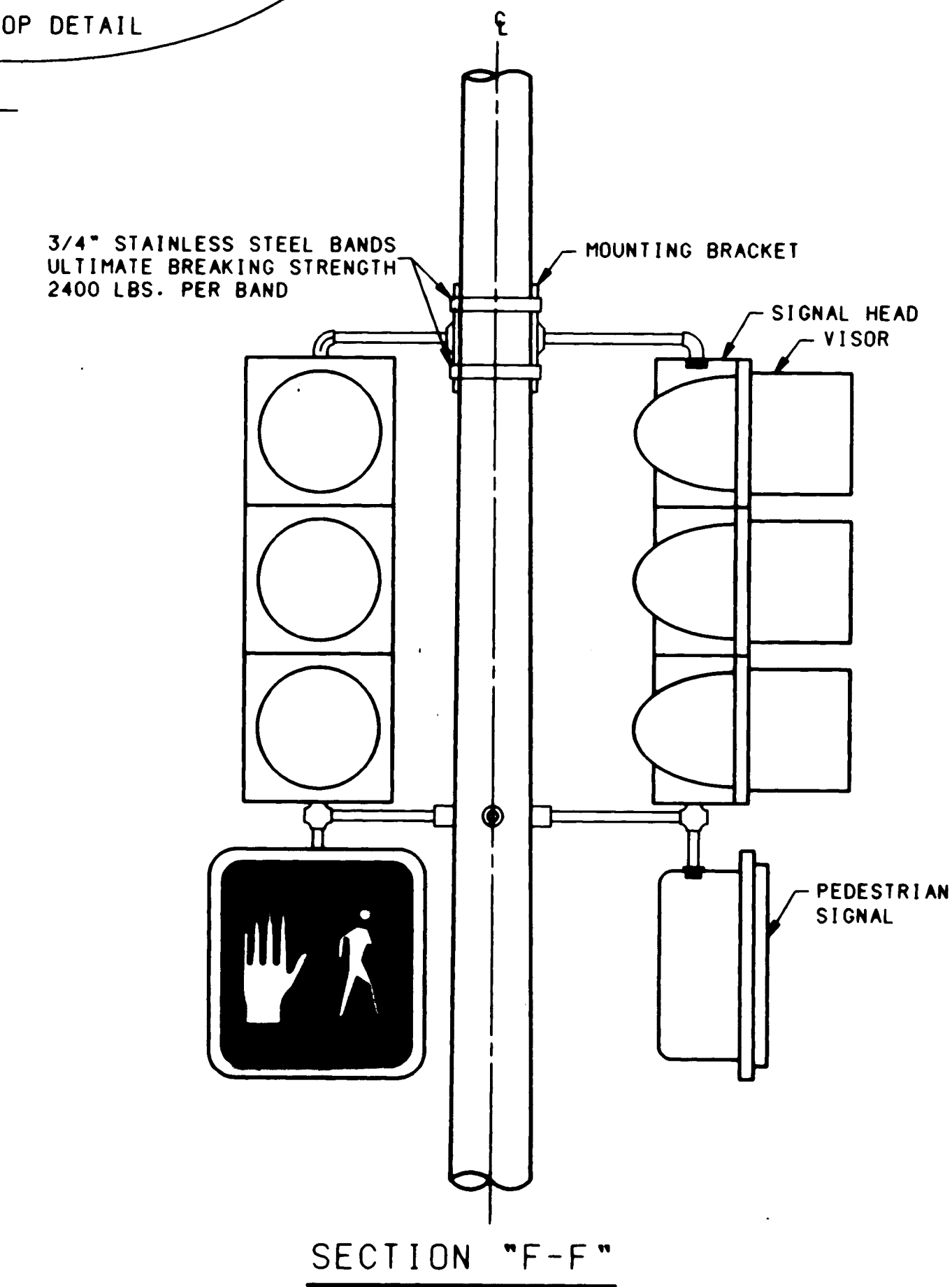
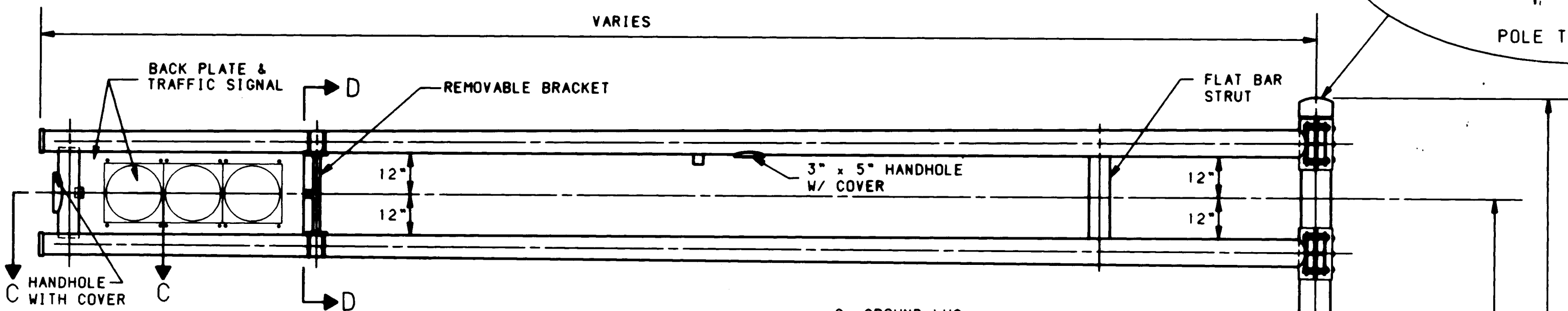
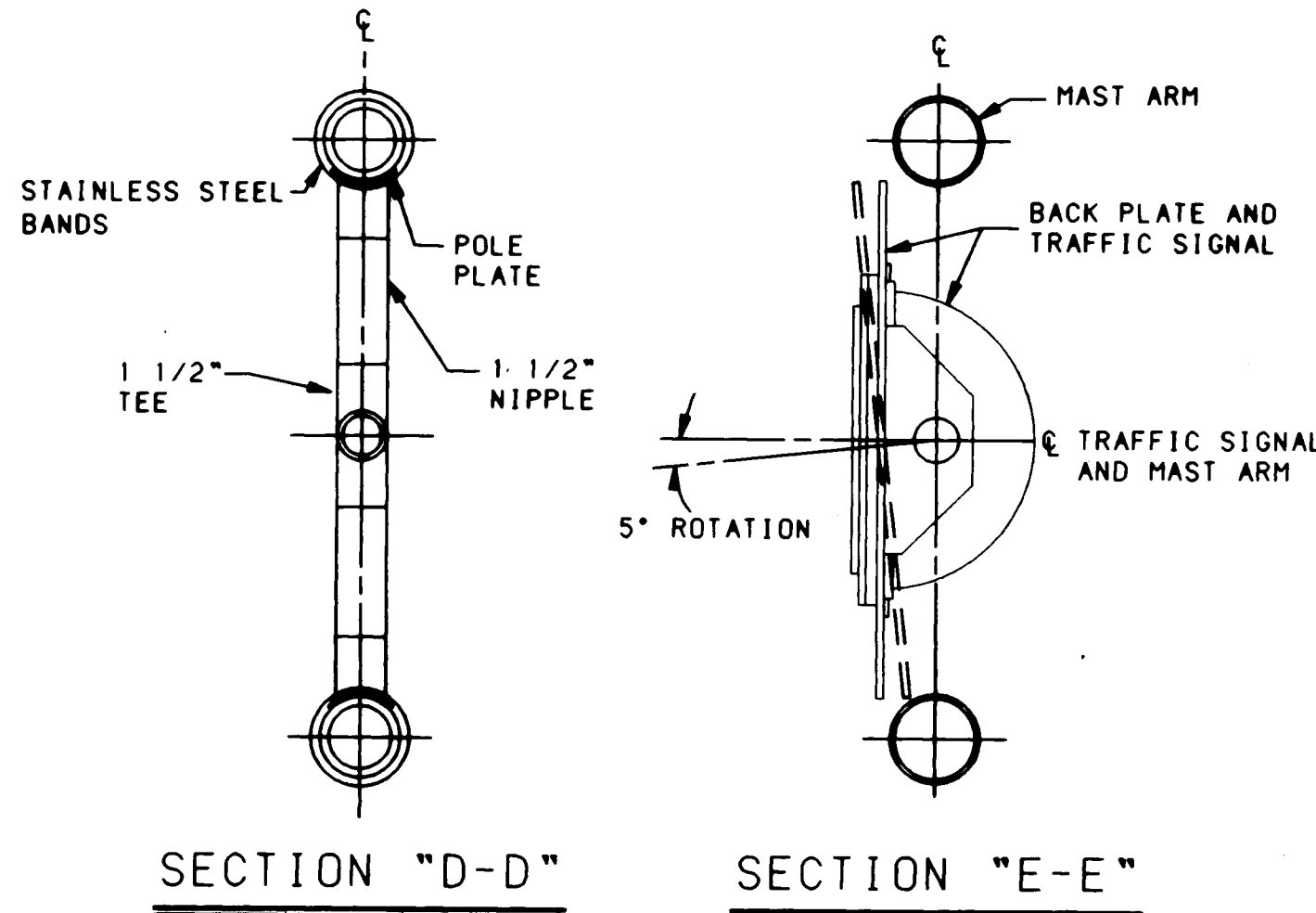
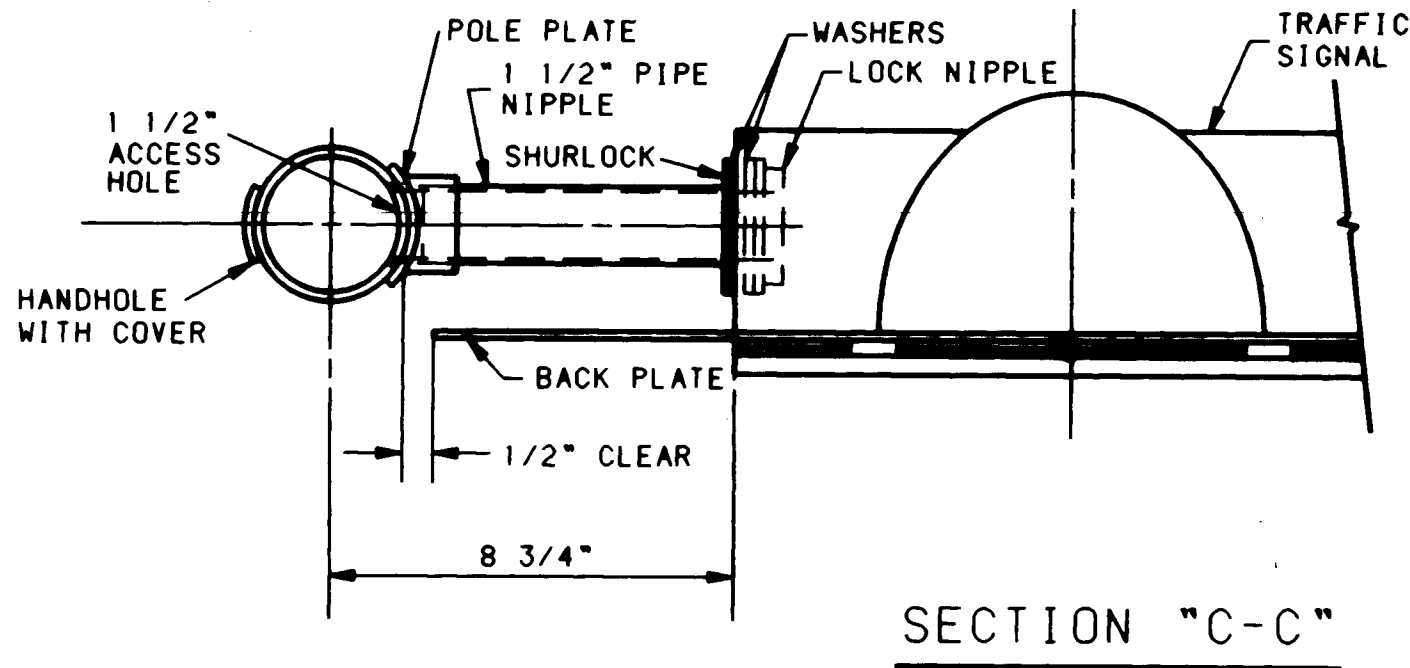


RECORD DRAWINGS, DATE: 9-23-92

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MAST ARM TYPICAL
SEE TABLE FOR DIMENSIONS

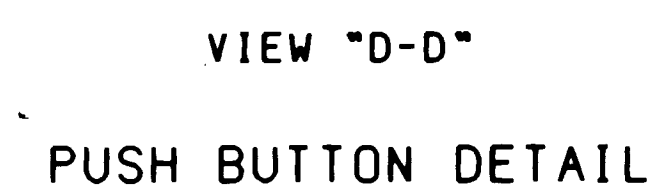
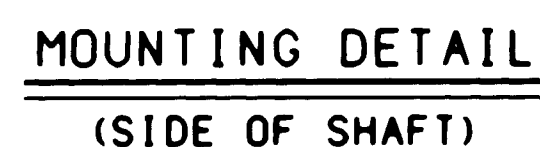


TRAFFIC SIGNAL MASTARM NOTES

- 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 MASTARM SHAFTS SHALL CONFORM TO ASTM A-595 GRADE A (MIN. YIELD 55 KSI).
- BASE PLATE AND SIGNAL ARM CLAMP SHALL BE ASTM A-36 (MIN. YIELD 36 KSI).
- ANCHOR BOLTS SHALL BE ASTM A-36 MOD 55 (MIN. YIELD 55 KSI).
- SIGNAL ARM CONNECTING BOLTS SHALL BE ASTM A-325.
- 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.
- ALL POLES, MASTARMS, AND BOLTS SHALL BE GALVANIZED TO ASTM A-123 AND A-153.
- MASTARMS SHALL BE MARKED TO DESCRIBE WHICH IS TOP AND WHICH IS BOTTOM. POLE PLATE COVERS SHALL BE MARKED IN MATED PAIRS.

26 4237.90 25 34

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TRAFFIC SIGNAL MASTARM DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roy Wilson	12/3/91	Water	AND	11/22/91
Transportation	7/8/91		Waste Water		
Hydrology	N/A	11/27/91	NMUI		
DRAWING NO. 4237.90		MAP NO. K-21		SHEET 25 OF 34	



STREET NAME SIGN DETAIL

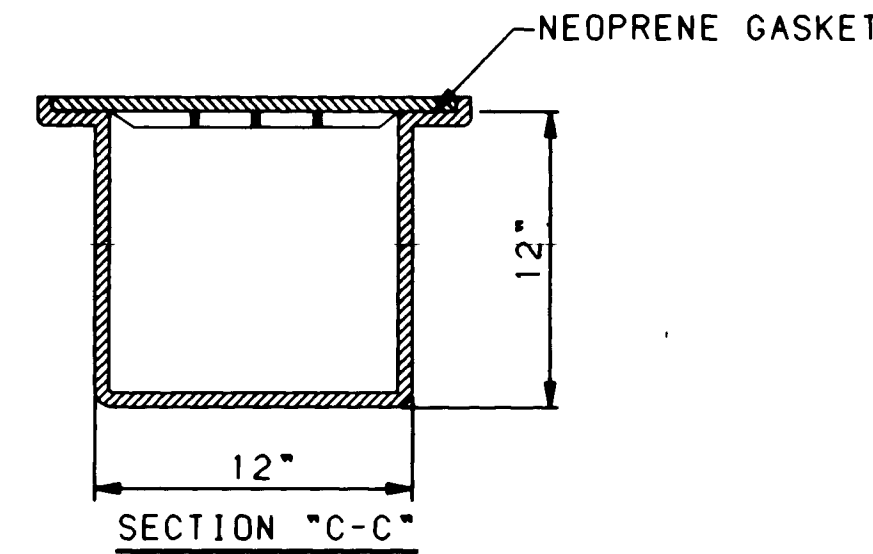
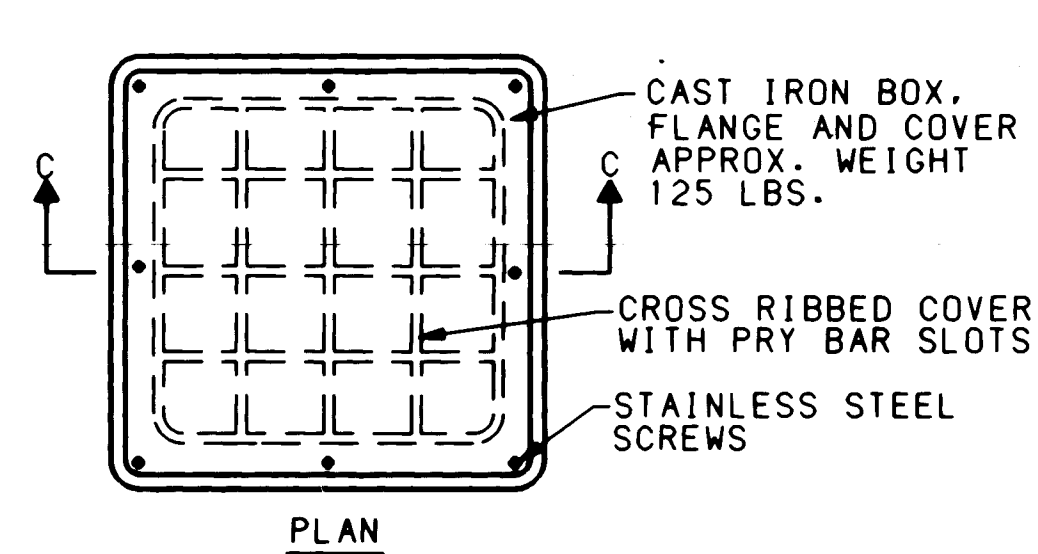
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ALUMINUM PANEL SIGN NOTES

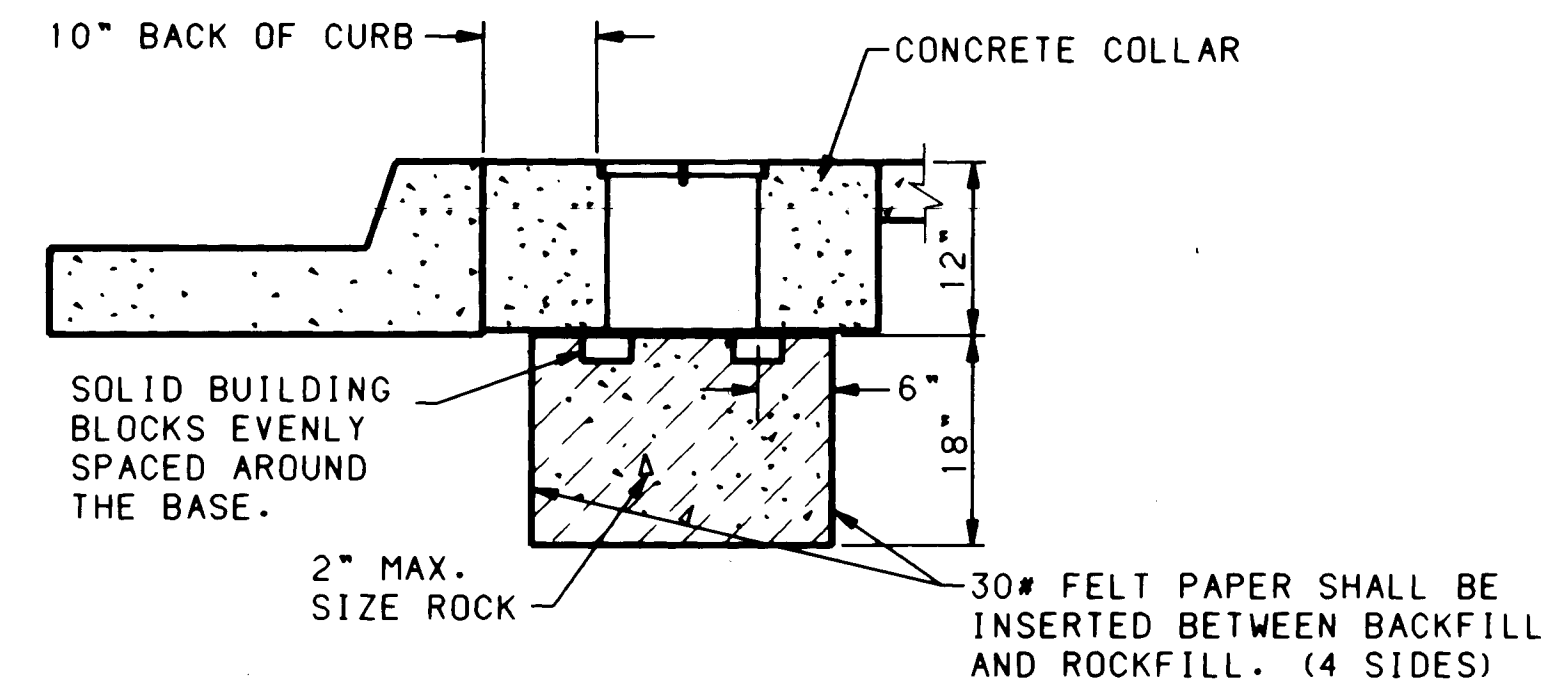
1. SIGN SHALL BE 16" WIDE WITH 8" SERIES "C" LETTERS UP TO 12 SQUARE FEET TOTAL AREA AND SHALL HAVE HIGH INTENSITY REFLECTIVE LEGEND, BORDER AND BACKGROUND. COLORS: WHITE ON GREEN. SIGN PANELS SHALL BE SINGLE SHEET 6061-T6 ALUMINUM .120 MINIMUM THICKNESS.

SCANNED BY
BY LASON

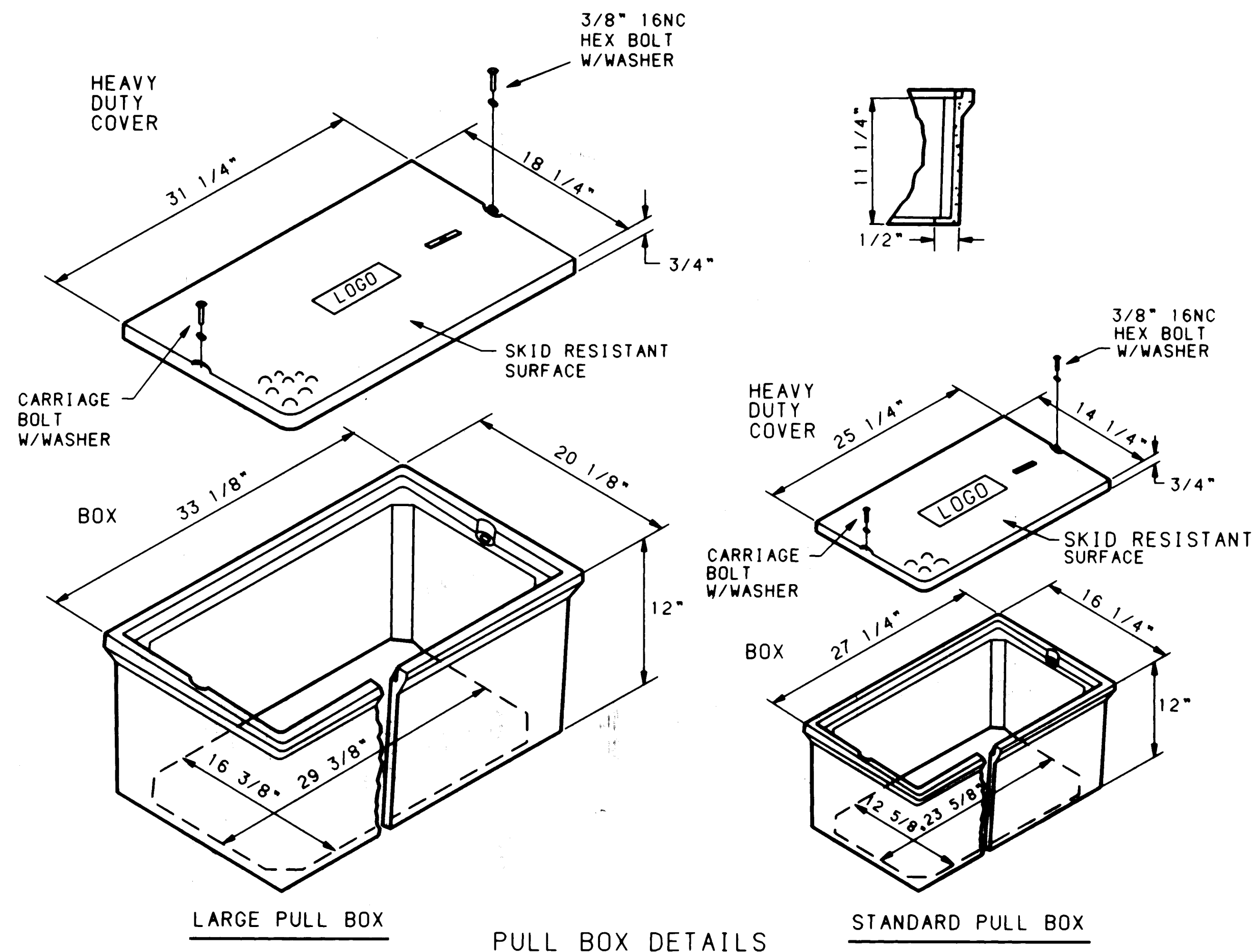
		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TRAFFIC SIGNAL MISCELLANEOUS DETAILS							
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE		
D.R.C. Chair	<i>[Signature]</i>	2/2/91	Water	<i>[Signature]</i>	11-27-91		
Transportation	<i>[Signature]</i>	7/9/91	Waste Water	<i>[Signature]</i>	"		
Hydrology	N/A	11/27/91	NMU				
DRAWING NO. 4237.90			MAP NO. K-21		SHEET 26 OF 34		



METAL PULL BOX

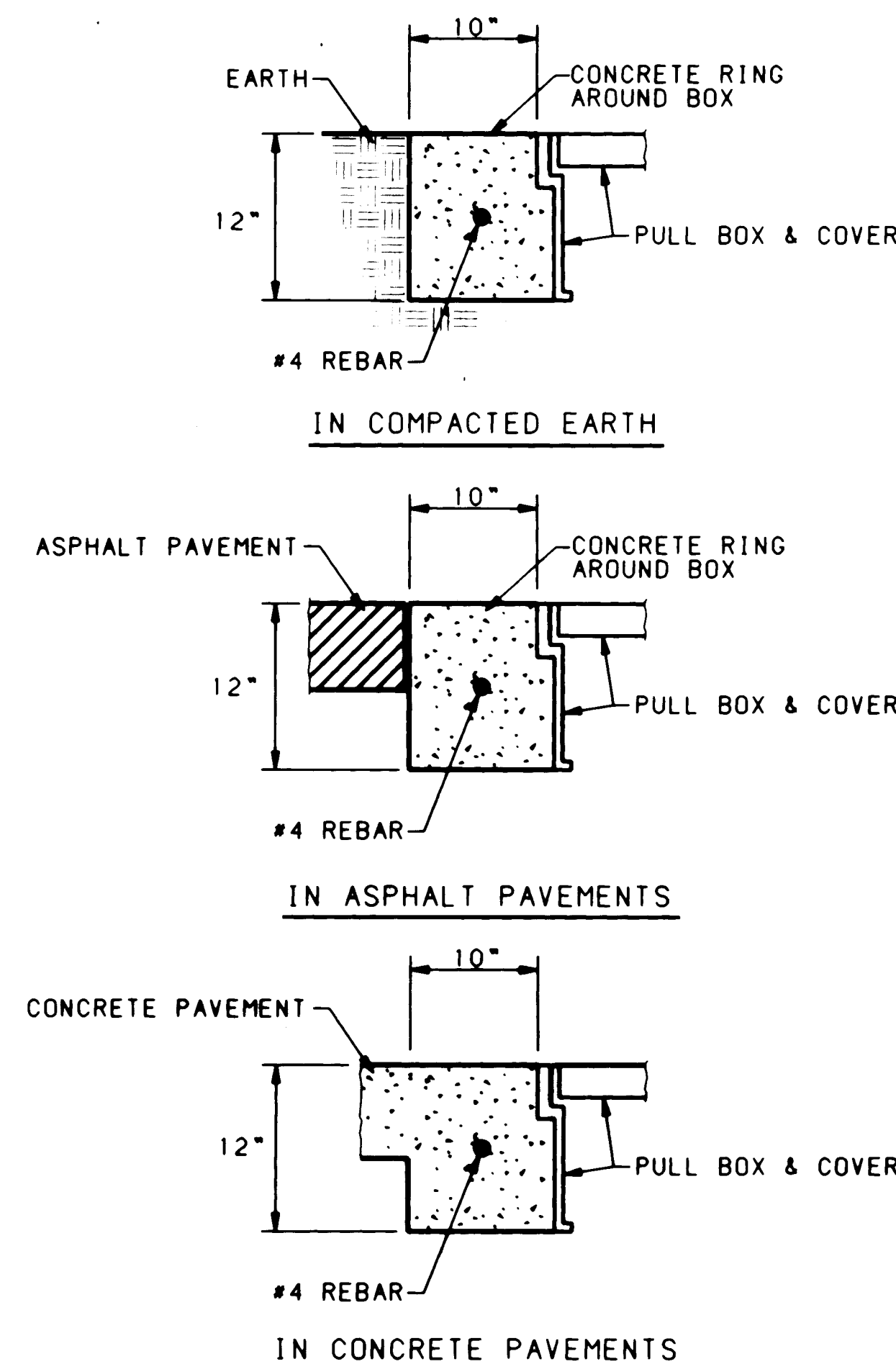


TYPICAL PULLBOX INSTALLATION
SEE DETAIL "A" BELOW



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



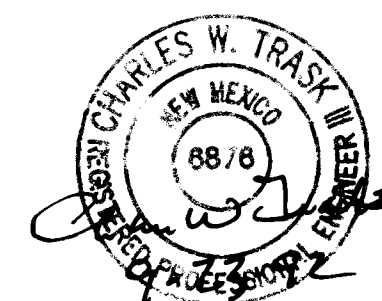
CONCRETE COLLAR DETAIL FOR PULL BOXES

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

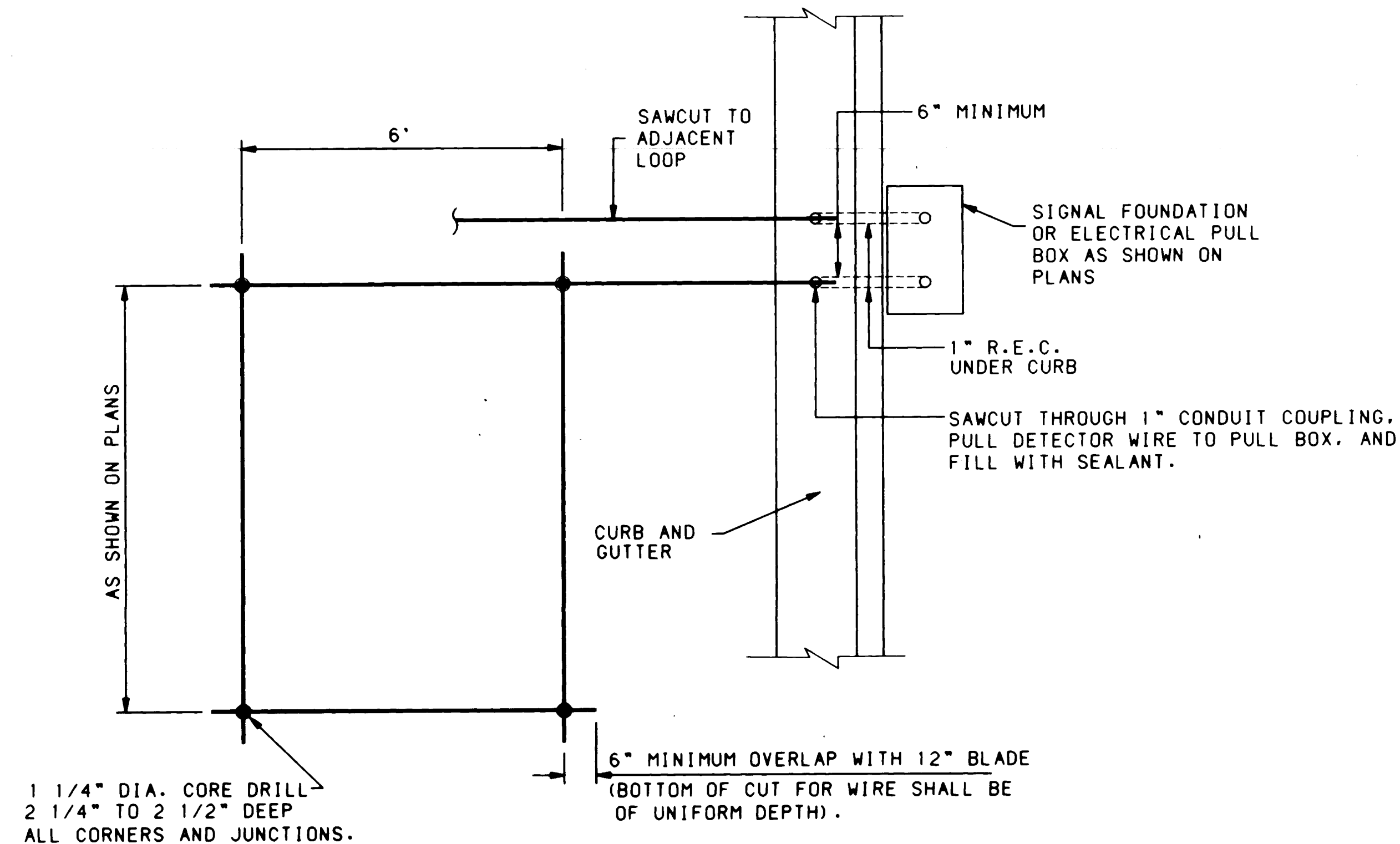
DETAIL "A"

RECORD DRAWINGS, DATE: 9-23-92

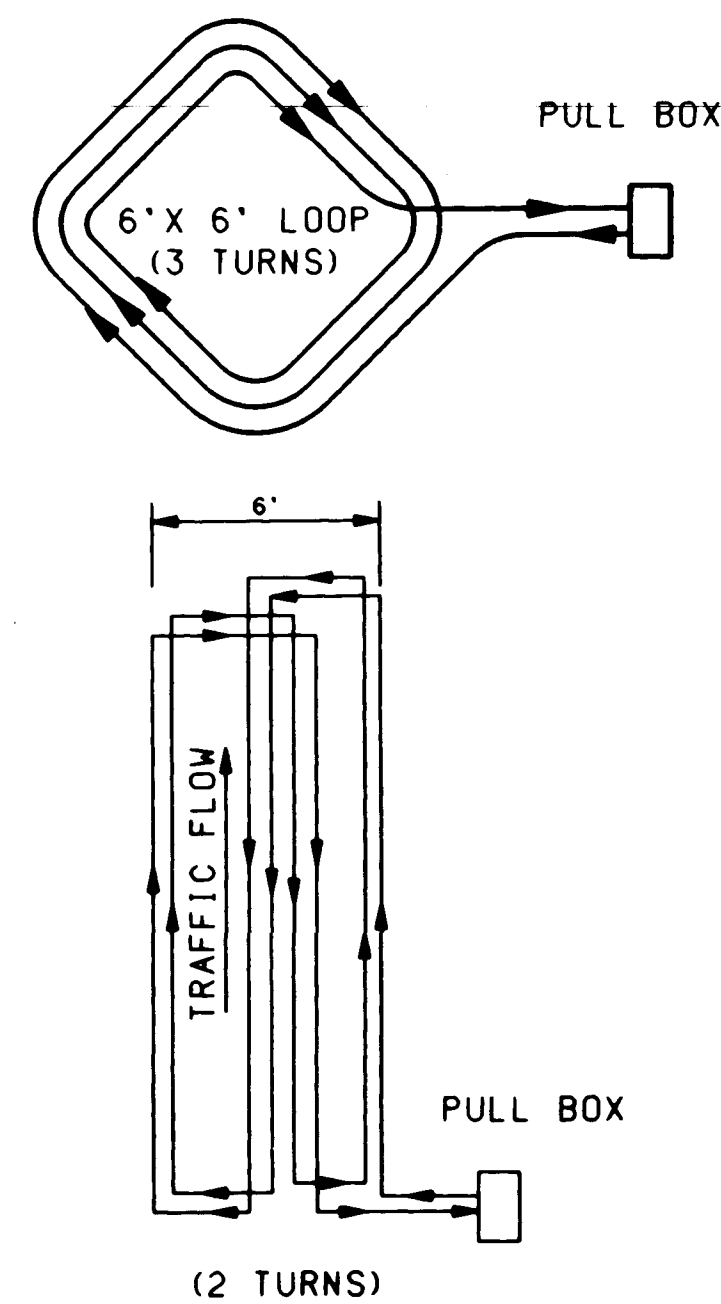
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TRAFFIC SIGNAL & LIGHTING PULL BOX DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Ronald Green	12/3/91	Water	ADG	11-27-92
Transportation	N/A	7/9/91	Waste Water	ADG	
Hydrology	N/A	11/27/91	NMUI		
DRAWING NO. 4237.90		MAP NO. K-21		SHEET 28 OF 34	



PLAN VIEW

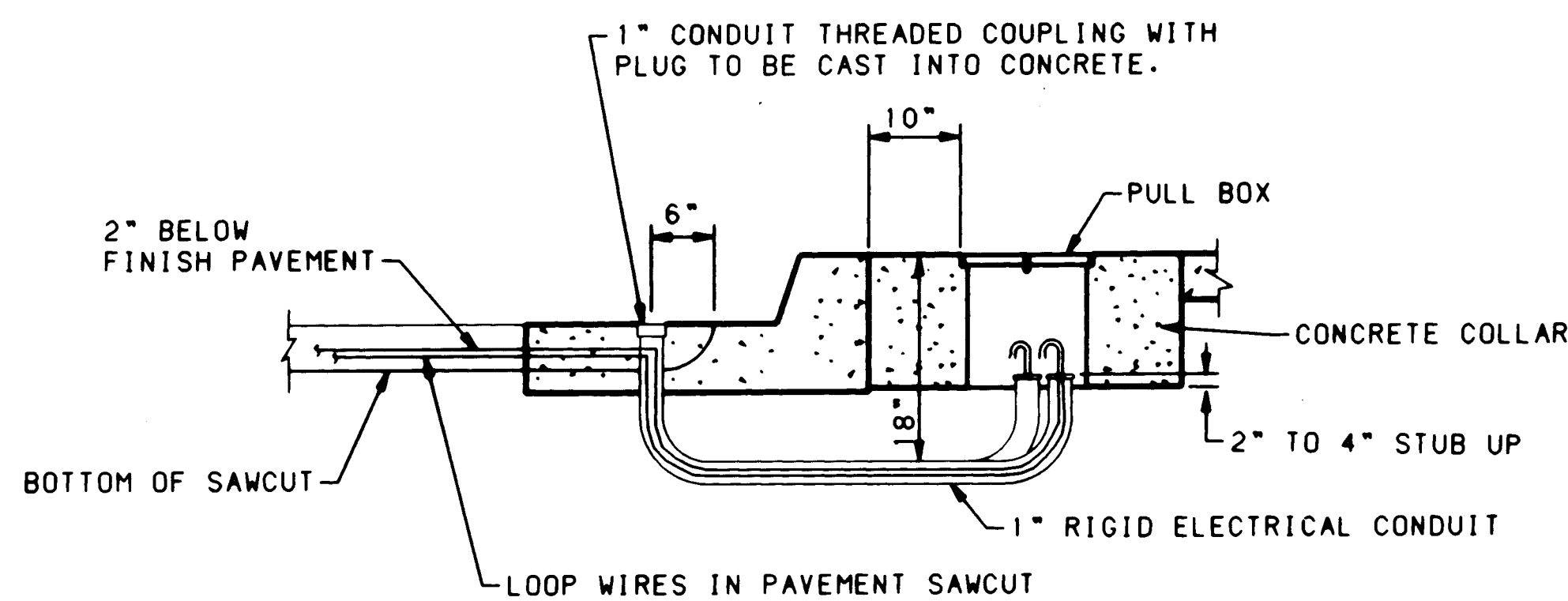


TYPICAL LOOP WIRE PLACEMENT DETAIL

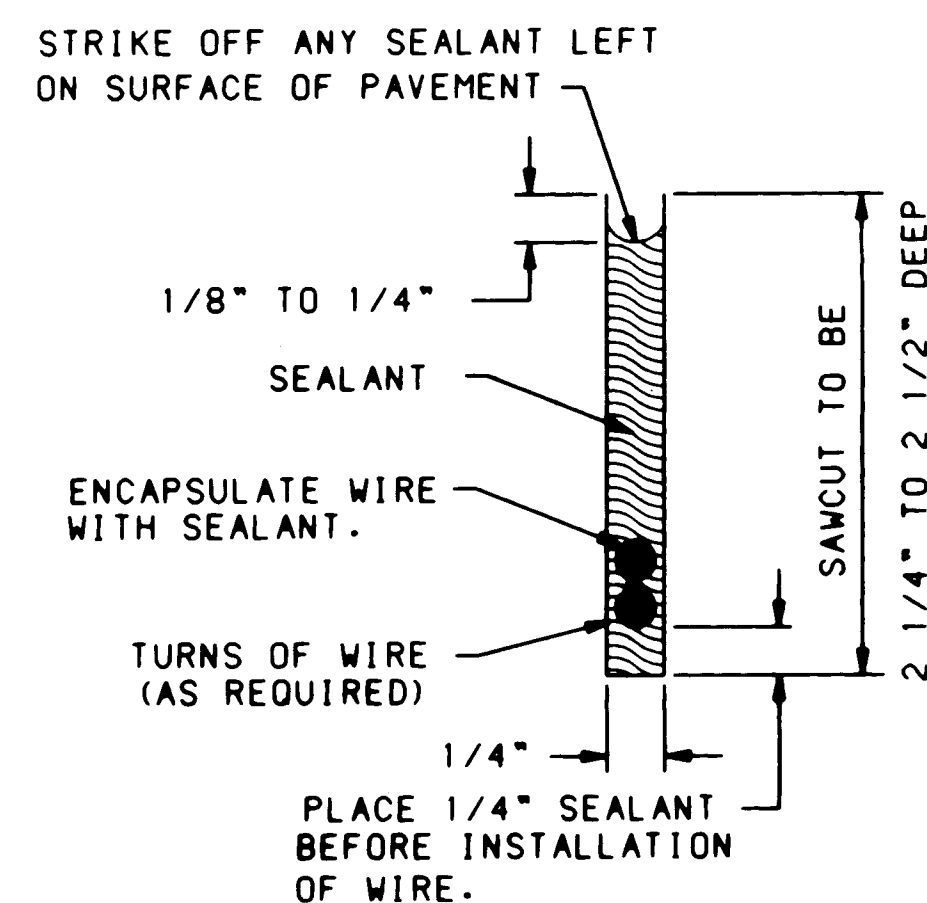
- NOTES:
1. WIRES MUST BE WOUND IN THE DIRECTION SHOWN.
 2. ALL 6x30, 6x40, & 6x50 LOOPS HAVE 2 TURNS. ALL 6x6 LOOPS HAVE 3 TURNS.

LOOP DETECTOR NOTES

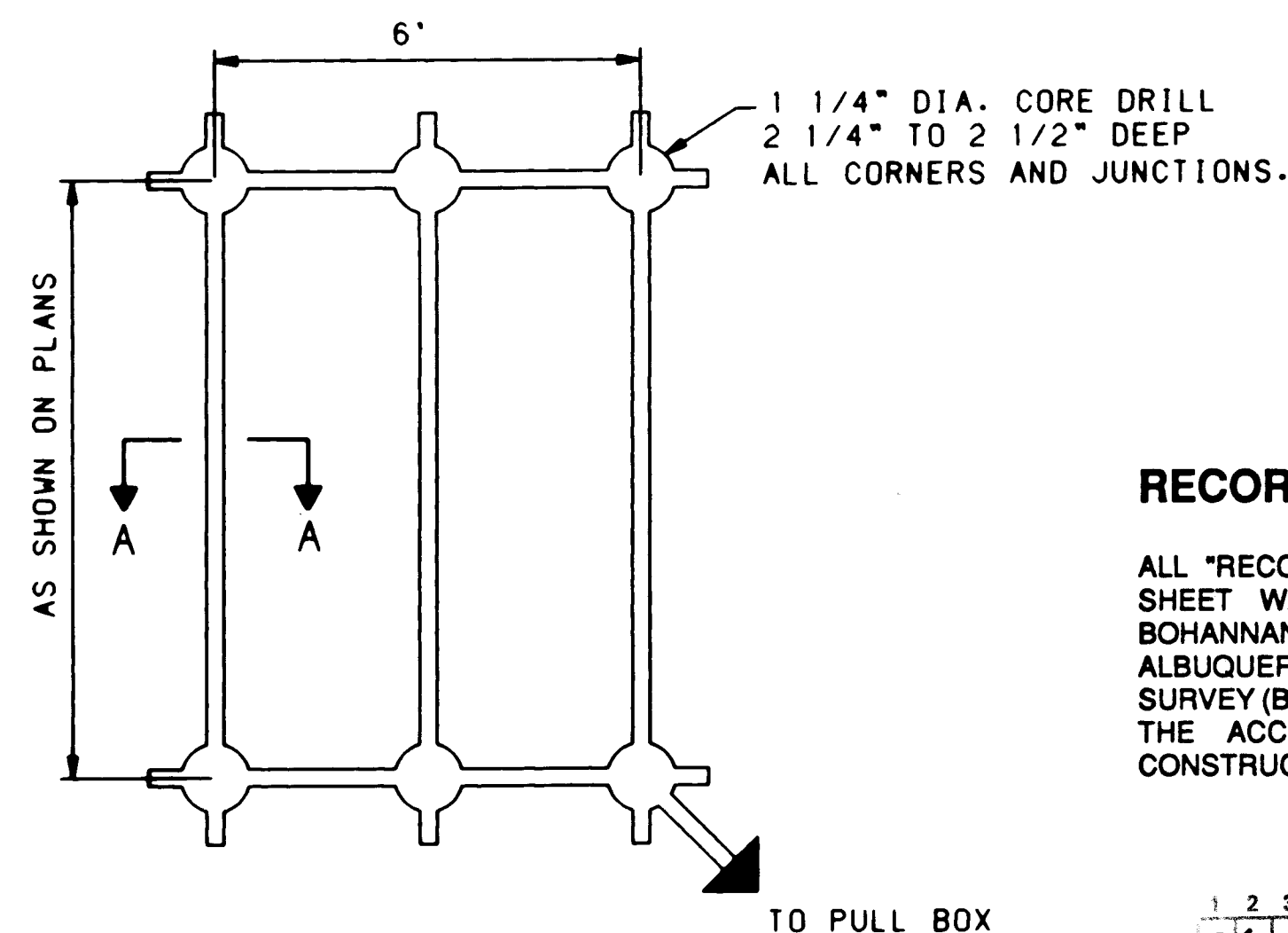
1. ALL LOOP DETECTOR WIRE SHALL BE NO. 14 AWG STRANDED COPPER WIRE WITH CROSSLINKED POLYETHYLENE INSULATION (INDUSTRY TYPE XHHW) CONFORMING TO THE REQUIREMENTS OF I.M.S.A. SPECIFICATIONS NO. 51-3 1984. BACKER ROD SHALL NOT BE USED IN THE INSTALLATION OF LOOP (EXCEPT PIECES LESS THAN 12" WHICH MAY BE 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 CRAFCO 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"

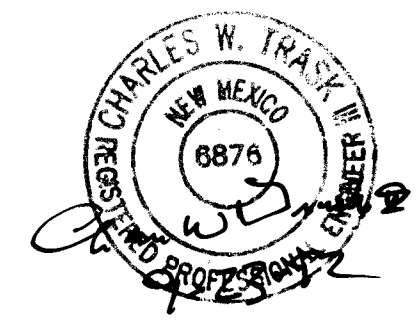


PLAN VIEW

TYPICAL ROADWAY LOOP SAWCUT DETAIL

RECORD DRAWINGS, DATE: 9-23-92

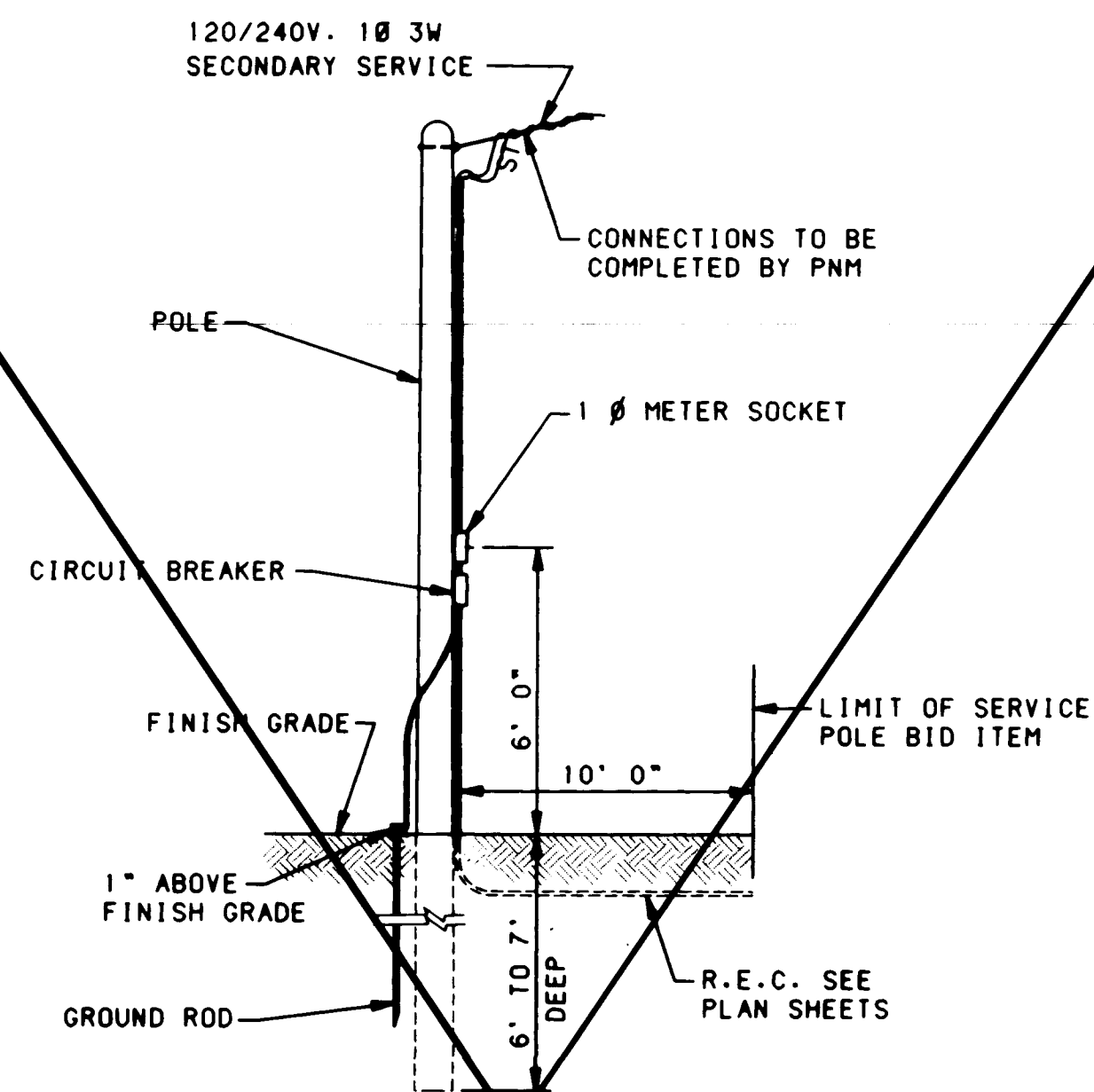
ALL "RECORD DRAWING" INFORMATION SHOWN ON THIS PLAN SHEET WAS COMPILED FROM INFORMATION PROVIDED TO BOHANNAN-HUSTON, INC. BY THE OWNER, CONTRACTOR, CITY OF ALBUQUERQUE (CONSTRUCTION OBSERVER), AND THE AS-BUILT SURVEY (BY BHI). BOHANNAN-HUSTON, INC. DOES NOT CERTIFY TO THE ACCURACY, COMPLIANCE OR ACCEPTANCE OF THE CONSTRUCTION OR CONSTRUCTION METHODS.



SCANNED BY
BY LASON

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4237.90 902992

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: TRAFFIC SIGNAL LOOP DETECTOR DETAILS			
APPROVALS	ENGINEER	DATE	APPROVALS
D.R.C. Chair	<i>Ronald Shuman</i>	9-23-91	Water
Transportation	<i>2/1/91</i>	7/9/91	Waste Water
Hydrology	<i>N/A</i>	11/27/91	NMUI
DRAWING NO. 4237.90		MAP NO. K-21	SHEET 29 OF 34



ESTIMATED MATERIAL LIST

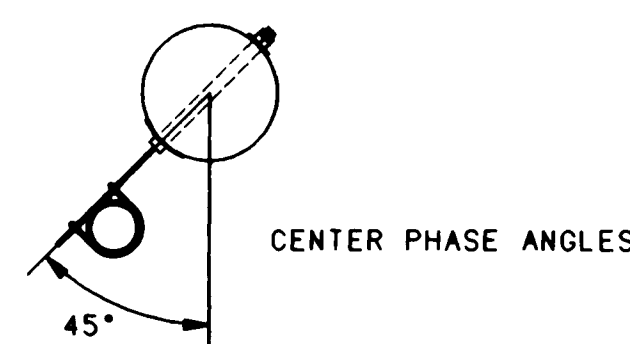
1	25' TREATED POLE
1	1" X 1" G.R.C. NIPPLE
1	SINGLE PHASE METER SOCKET
2	CIRCUIT BREAKERS 50A
1	1P 120V RAIN TIGHT ENCLOSURE (N.E.M.A. 3R)
40'	1/2" NO. 6 THW BLACK
40'	1/2" NO. 6 THW WHITE
40'	1/2" NO. 6 THW RED
1	COPPERWELD 3/4" X 10'-0" GROUND ROD
1	GROUND ROD CLAMP
30'	1" GALV. RIGID CONDUIT
1	5/8" 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 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

AT CHICO/EUBANK, USE
STAINLESS STEEL BANDS
APPROVED BY PNM

UNIVERSAL SUPPORT BRACKET NOTES:

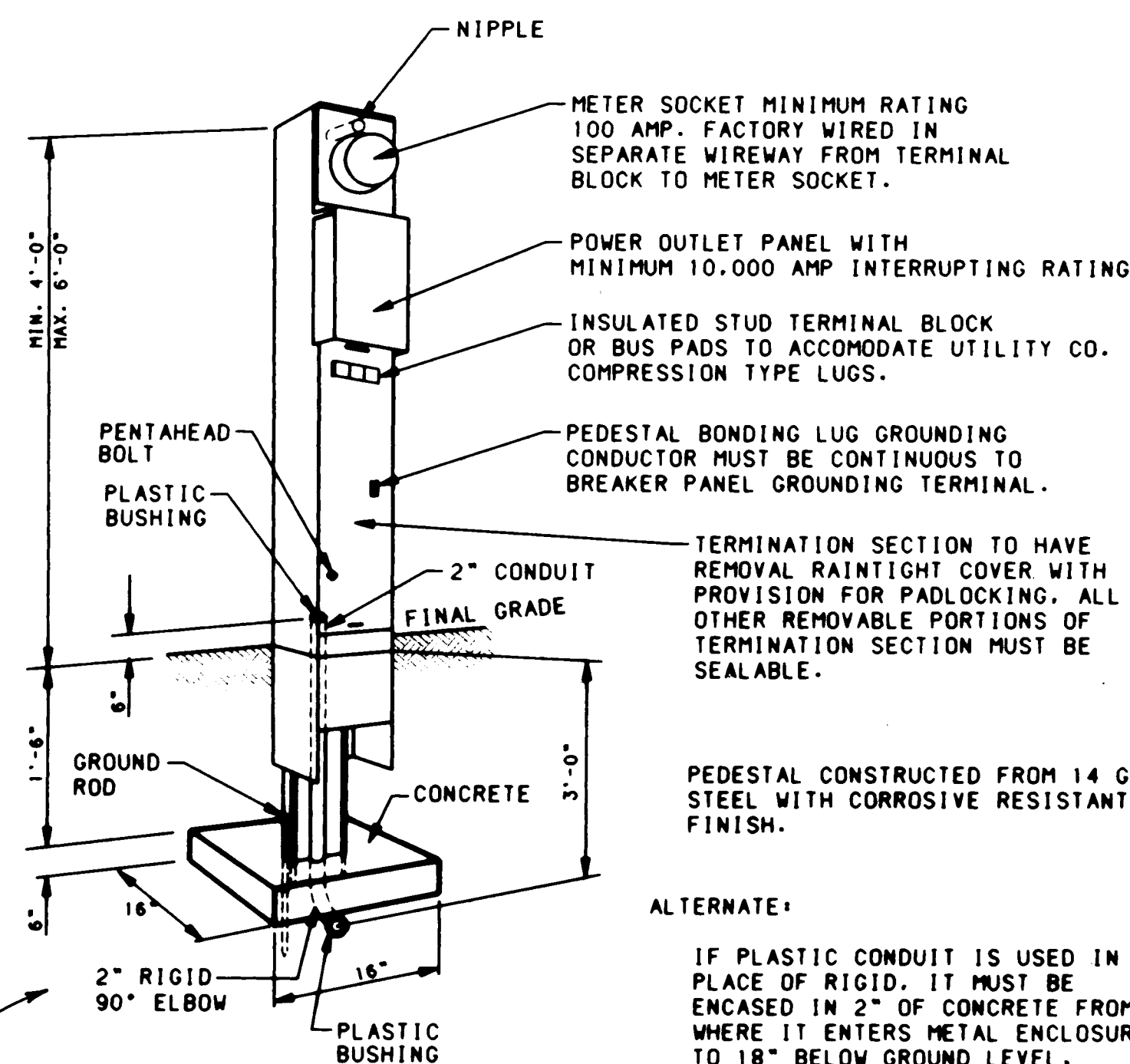
- BRACKET TO BE FASTENED TO POLE WITH 5/8" GALVANIZED MACHINE BOLTS.
- BRACKET SUITABLE FOR TWO 2", OR ONE 4" CONDUIT.
- TWO HOLE STRAPS ATTACHED AT 30" INTERVALS WITH 2" LAG SCREWS MAY BE USED INSTEAD OF THE SUPPORT BRACKET WHEN THE CONDUIT IS 1" OR LESS. A MAXIMUM OF TWO CONDUITS MAY BE STRAPPED DIRECTLY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

DO NOT DRILL HOLES IN
EXIST. POLES AT CHICO/EUBANK

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

UNIVERSAL SUPPORT BRACKET

NO SCALE



METER PEDESTAL

NO SCALE

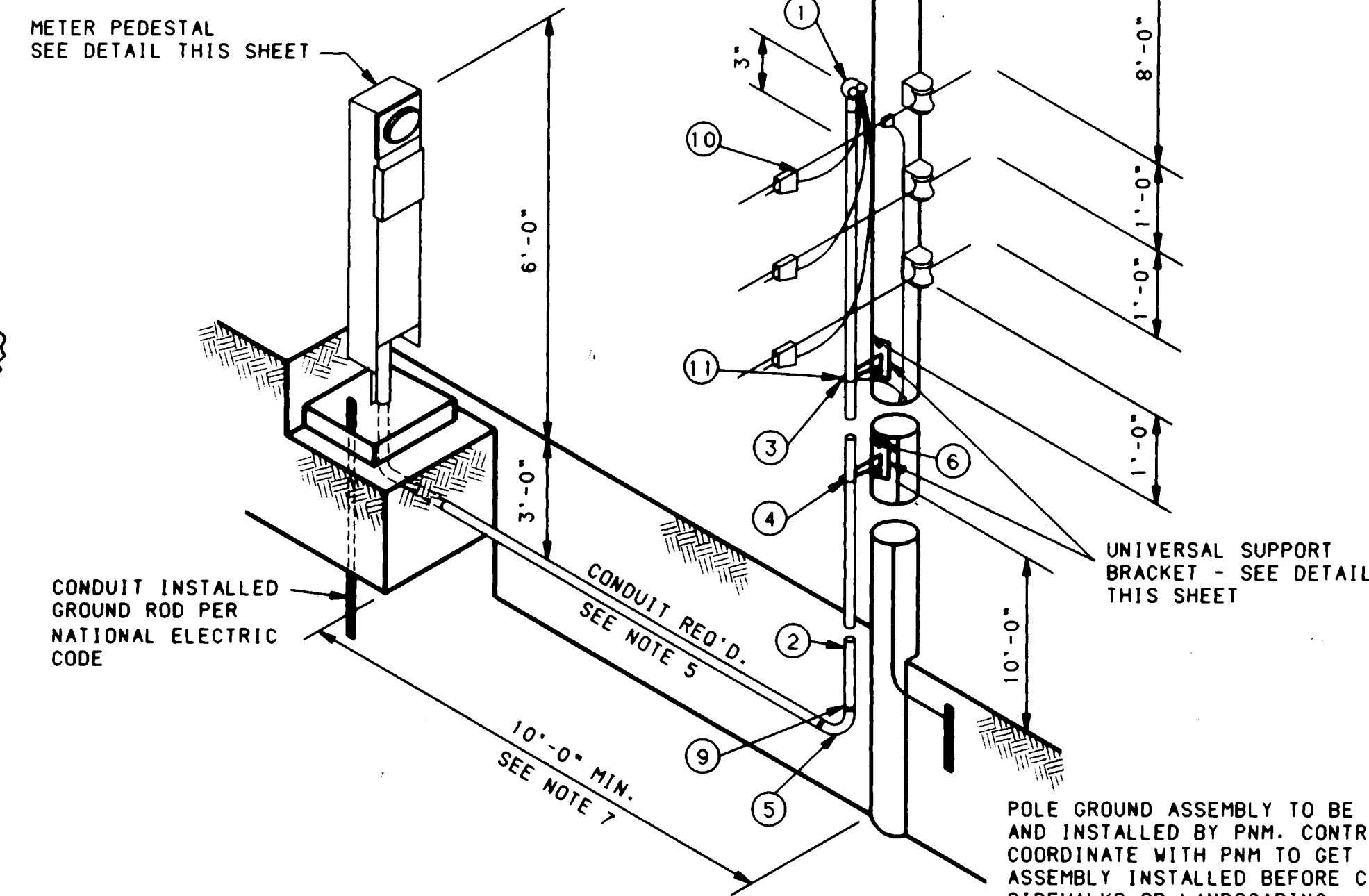
METER PEDESTAL NOT
REQUIRED FOR STREET
LIGHTING SERVICE. PNM
WILL PROVIDE STREET
LIGHTING CONTACTOR
ON EXISTING STEEL
POLE ON NW CORNER
OF EUBANK/CHICO.

TRAFFIC SIGNAL & STREET LIGHT ELECTRICAL SERVICE DETAILS

NO SCALE

RECORD DRAWINGS, DATE: 9-23-92

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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

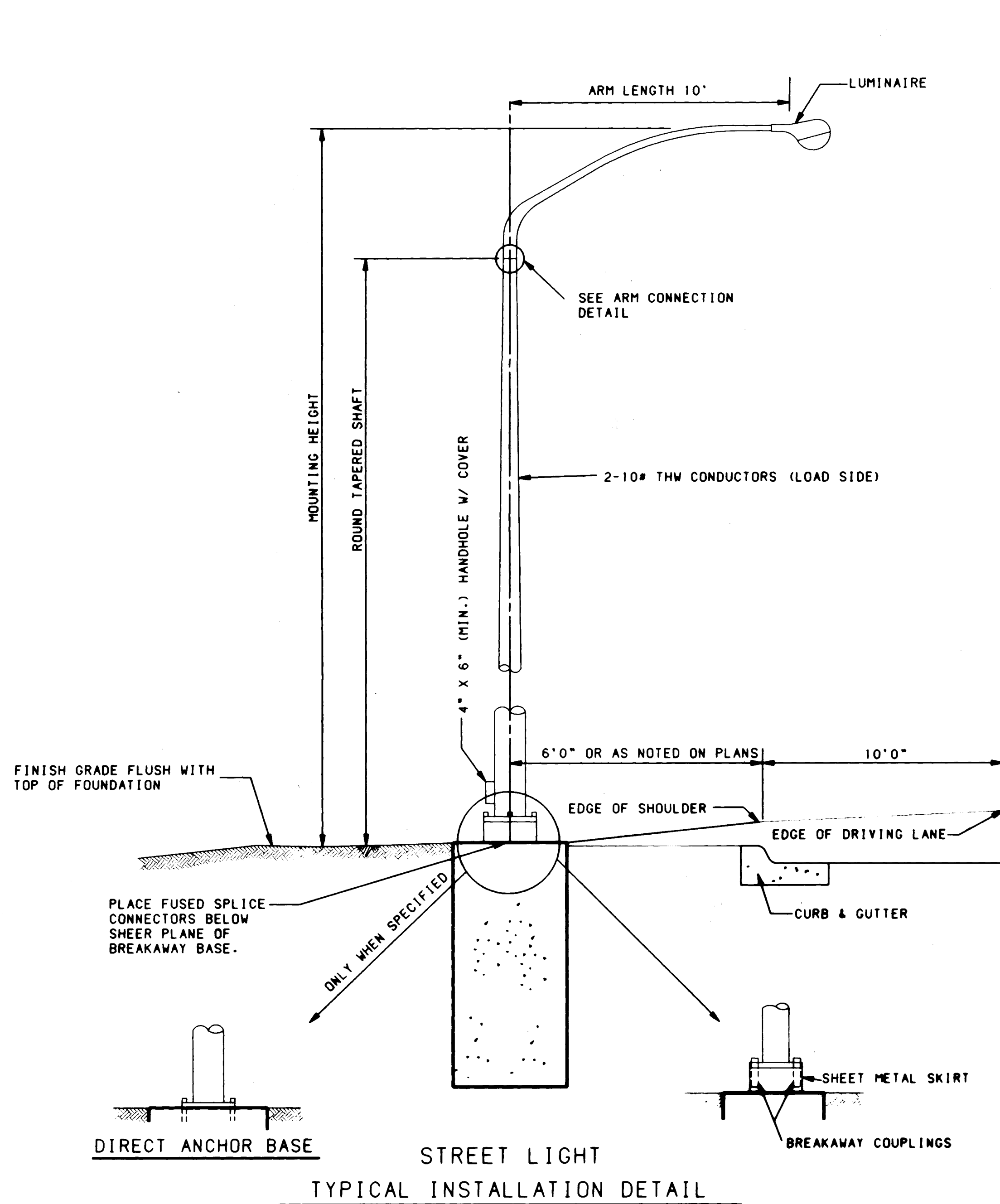
NO SCALE

ESTIMATED MATERIAL LIST

1	2" CLAMP TYP WEATHER HEAD
40'	2" GALVANIZED CONDUIT
2	UNIVERSAL SUPPORT BRACKET
2	2" PIPE STRAP KIT
1	2" GALVANIZED ELBOW
4	5/8" MACHINE BOLT
4	5/8" LOCKNUT
4	2-1/4" SQUARE WASHER
1	2" GALVANIZED COUPLING
3	LINE TAP
2	#10-#2 GROUND LUG
1	GROUND ASSEMBLY
50'	1/2" NO. 6 THW BLACK
50'	1/2" NO. 6 THW WHITE
50'	1/2" NO. 6 THW RED

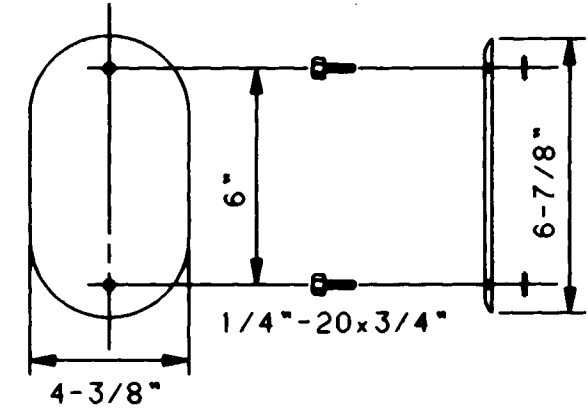
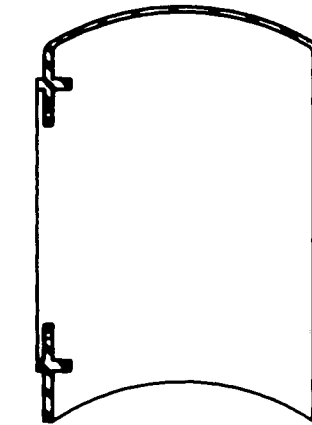
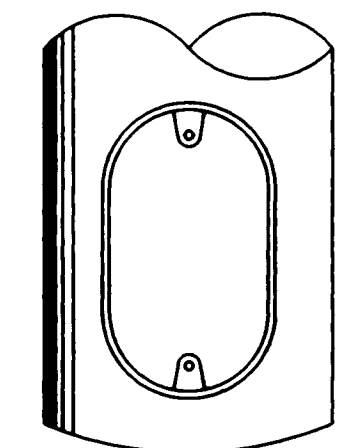
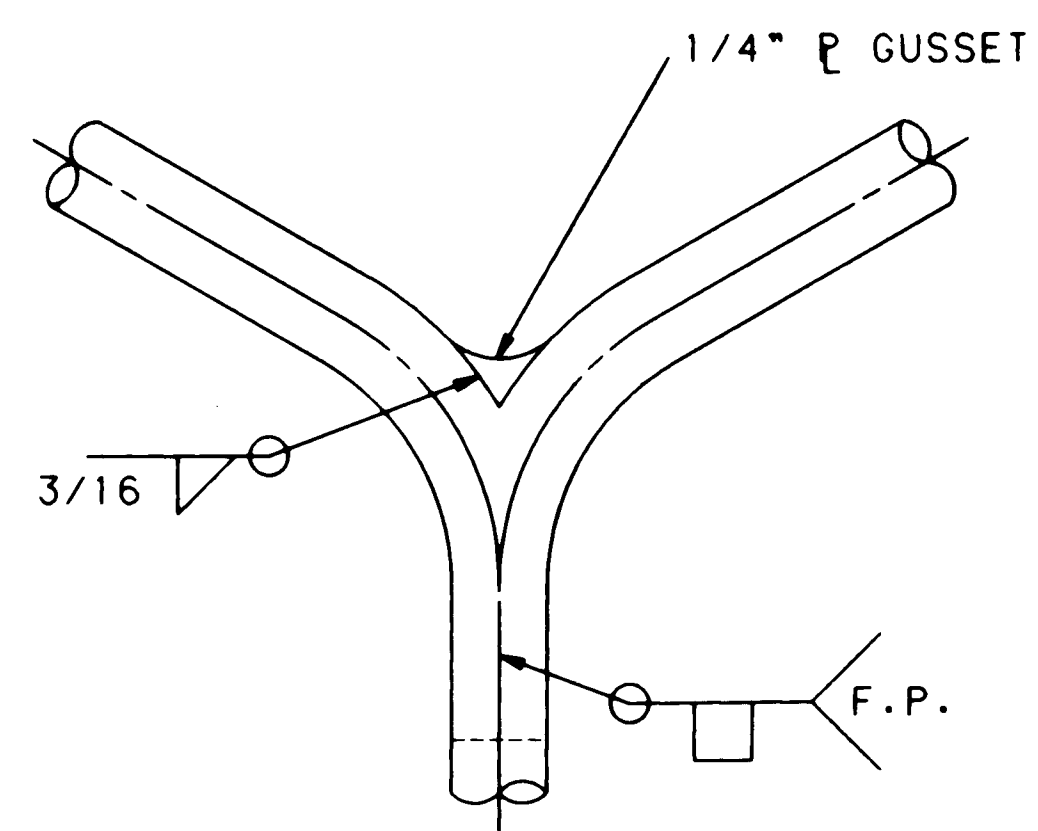
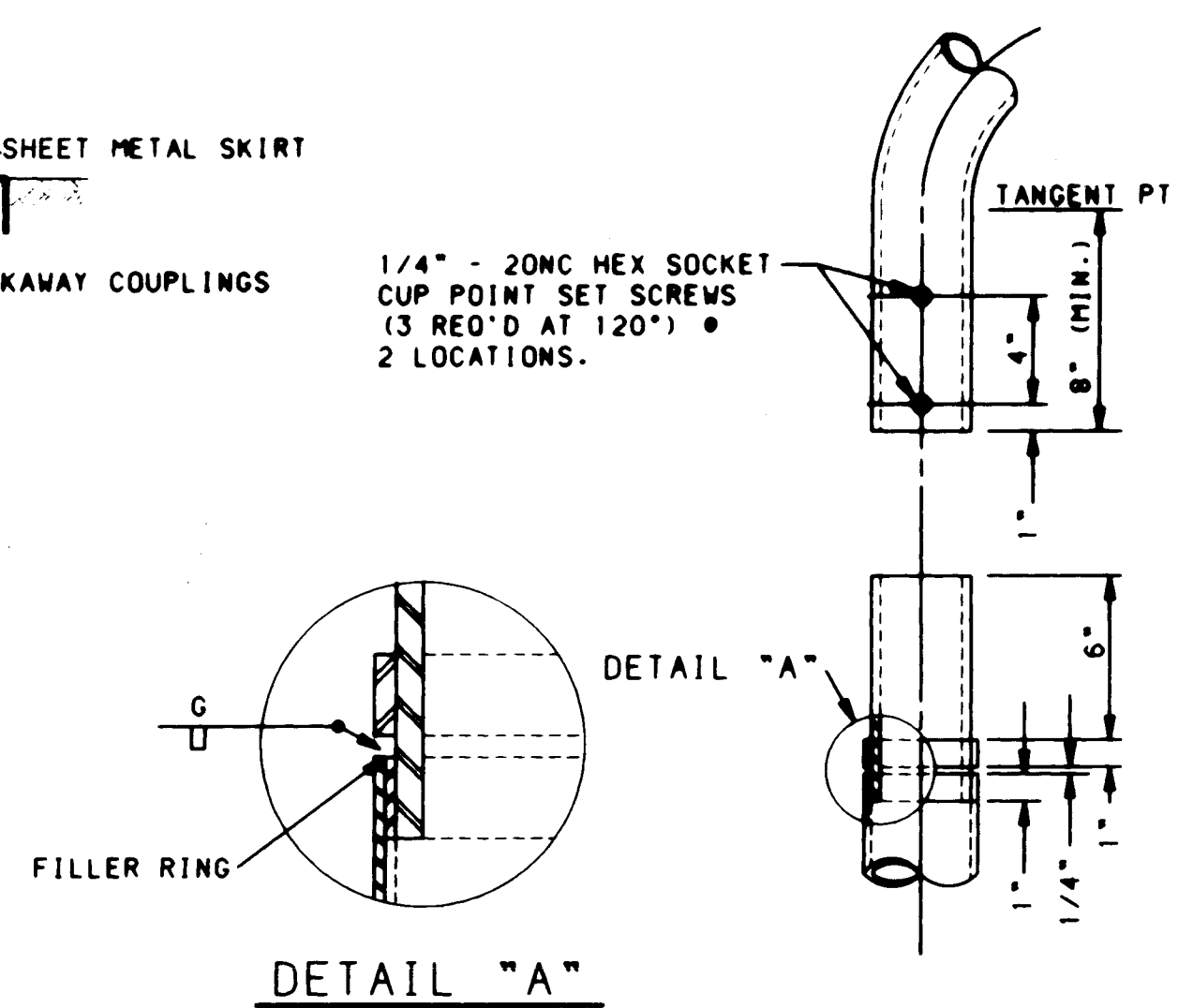
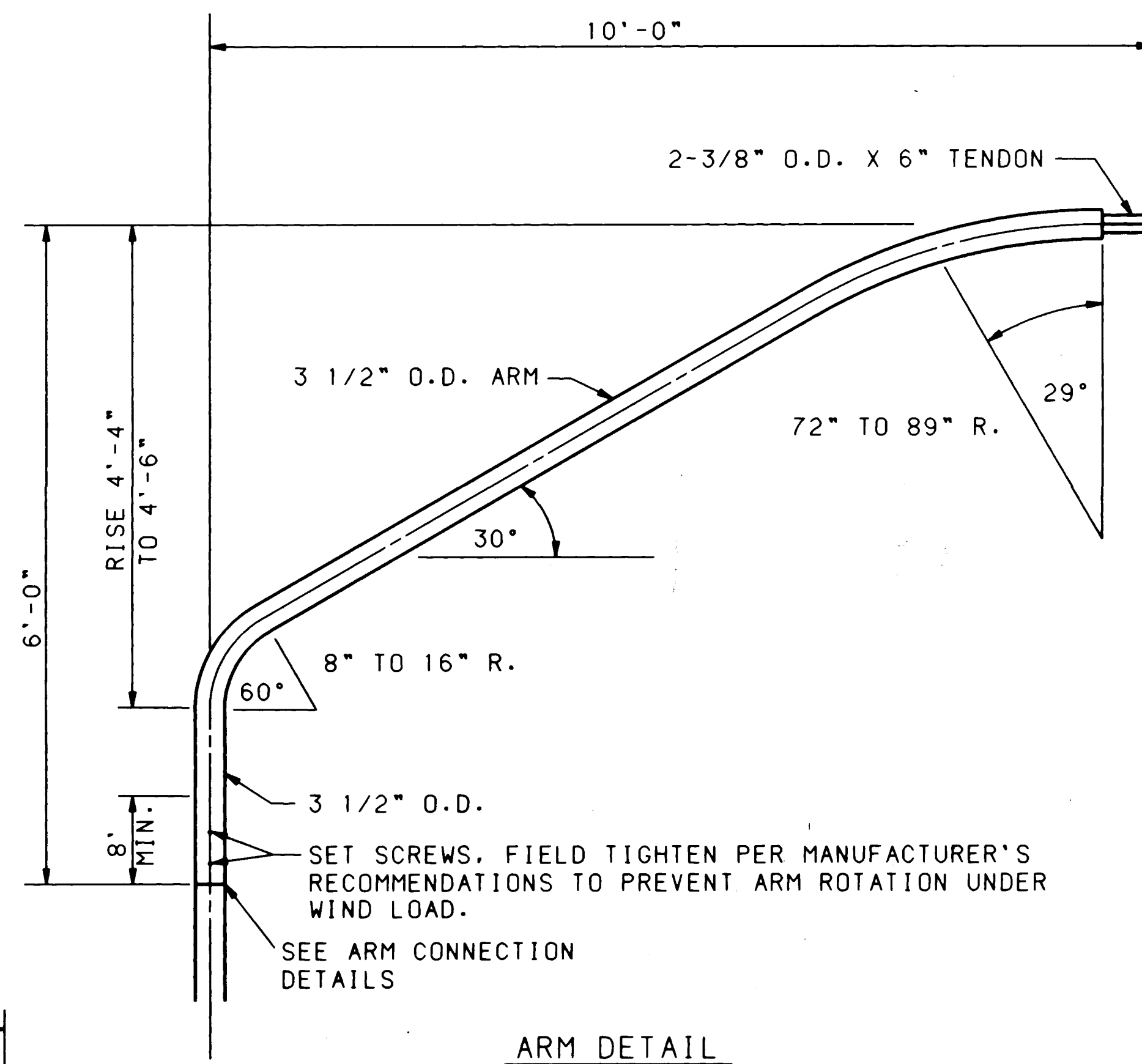
SCANNED BY
BY LASON

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TRAFFIC SIGNAL & LIGHTING ELECTRICAL SERVICE DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	12-3-91	Water	<i>[Signature]</i>	11-22-91
Transportation	<i>[Signature]</i>	7/19/91	Waste Water	<i>[Signature]</i>	..
Hydrology	N/A	11/27/91	NMUI		
DRAWING NO. 4237.90		MAP NO. K-21		SHEET 30 OF 34	



STREET LIGHT POLE NOTES

1. STREET LIGHT POLE SHALL BE DAVIT STYLE. DIMENSIONS SHALL BE NOTED ARM SHALL BE ATTACHED ON A SHAFT TENON AS DETAILED. SHAFT SHALL BE A ROUND TAPERED TUBE.
2. NUTS, BOLTS OR FASTENERS SHALL COMPLY WITH ASTM A-307 AND BE EITHER ZINC PLATED, ASTM A-164 OR CADMIUM PLATED, ASTM A-165.
3. BOLT GASKET SHALL BE 22 GAGE STAINLESS STEEL SHEET OF 18-8 SERIES (301, 302, 303, 304).



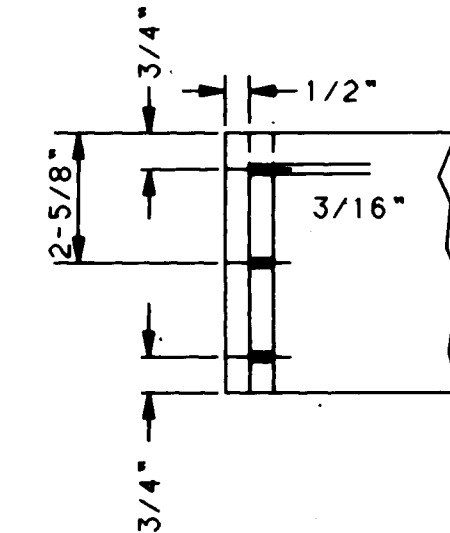
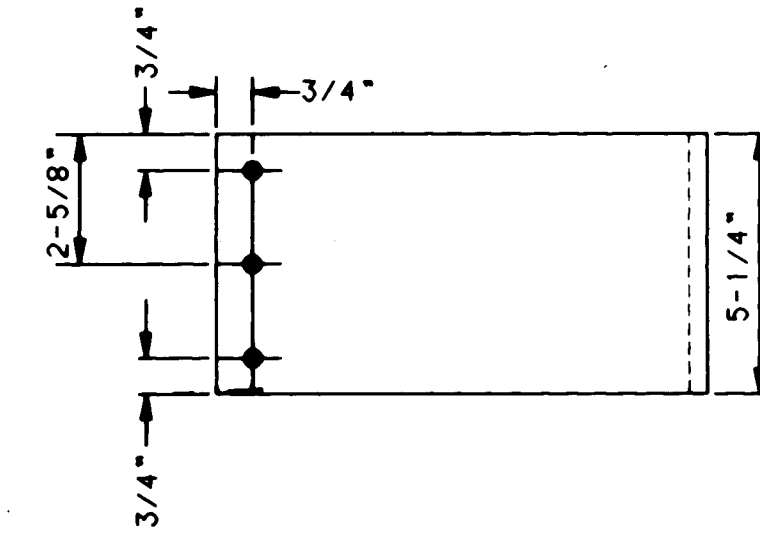
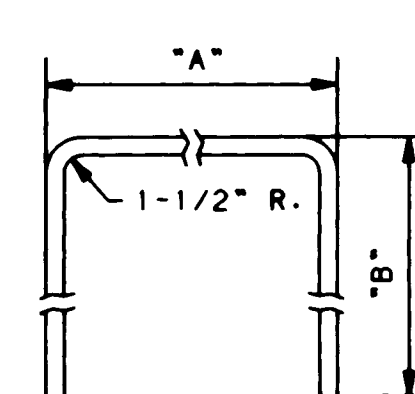
HANDHOLE REINFORCEMENT SHALL BE FORGED FROM STEEL CONFORMING TO ASTM A-576, GRADE 1021, AND SHALL BE FABRICATED FROM 3/16\"

REINFORCEMENT SHALL BE WELDED TO THE POLE SHAFT IN THE 90 DEGREE LOCATION. PRIOR TO GALVANIZING POLE SHAFT. COVER SHALL BE FABRICATED FROM 3/16\"

PROVISION FOR INTERNAL GROUNDING SHALL BE PROVIDED BY A TAPPED HOLE.

HANDHOLE REINFORCEMENT SHALL STRENGTHEN POLE SHAFT SECTION TO THAT OF A SHAFT FABRICATED WITHOUT A HANDHOLE.

HANDHOLE DETAILS



SPECIFICATION:

SKIRT COVER SHALL BE FABRICATED FROM 1/16\"

SCREWS ARE SELF TAPPING NO. 10 x 5/8\"

WHEN COUPLINGS ARE SPECIFIED, EACH LIGHT POLE WILL BE FURNISHED WITH TWO (2) SKIRT COVER SECTIONS AND SIX (6) SCREWS.

INTENDED USE:

THE SKIRT COVER IS USED TO ENCLOSE VOID UNDER POLES WITH BREAKAWAY SUPPORT COUPLINGS.

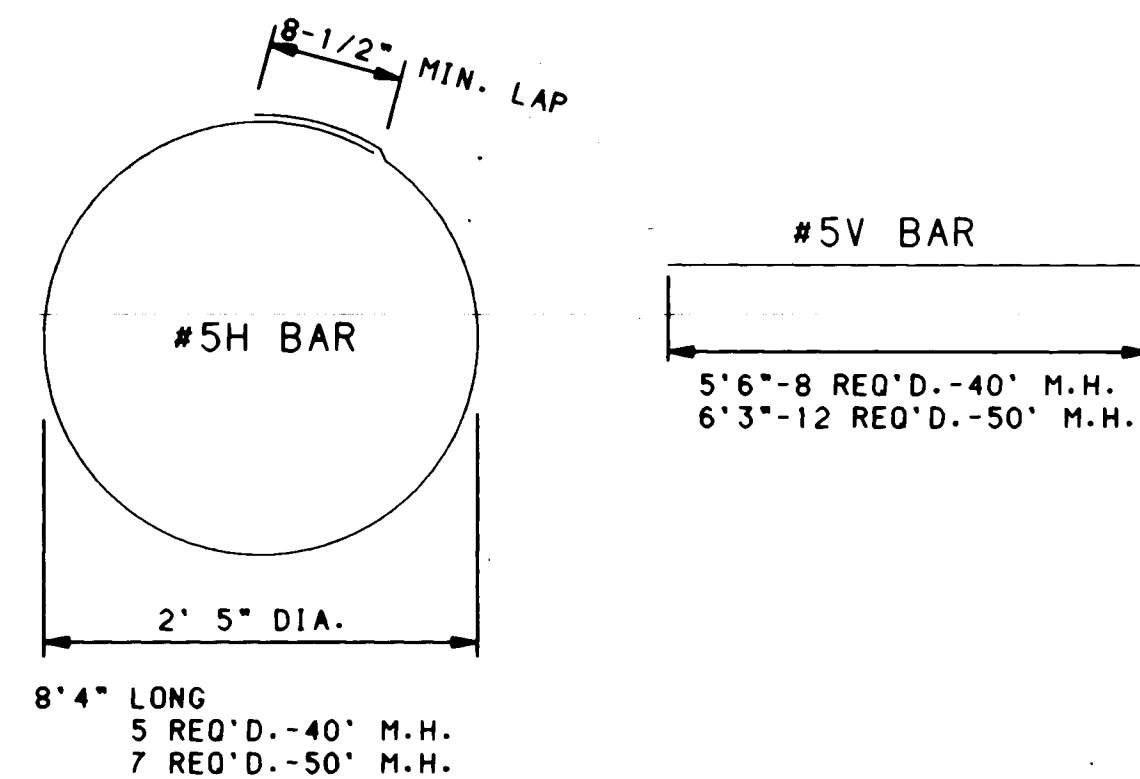
SKIRT COVER DETAILS

RECORD DRAWINGS, DATE: 9-23-92

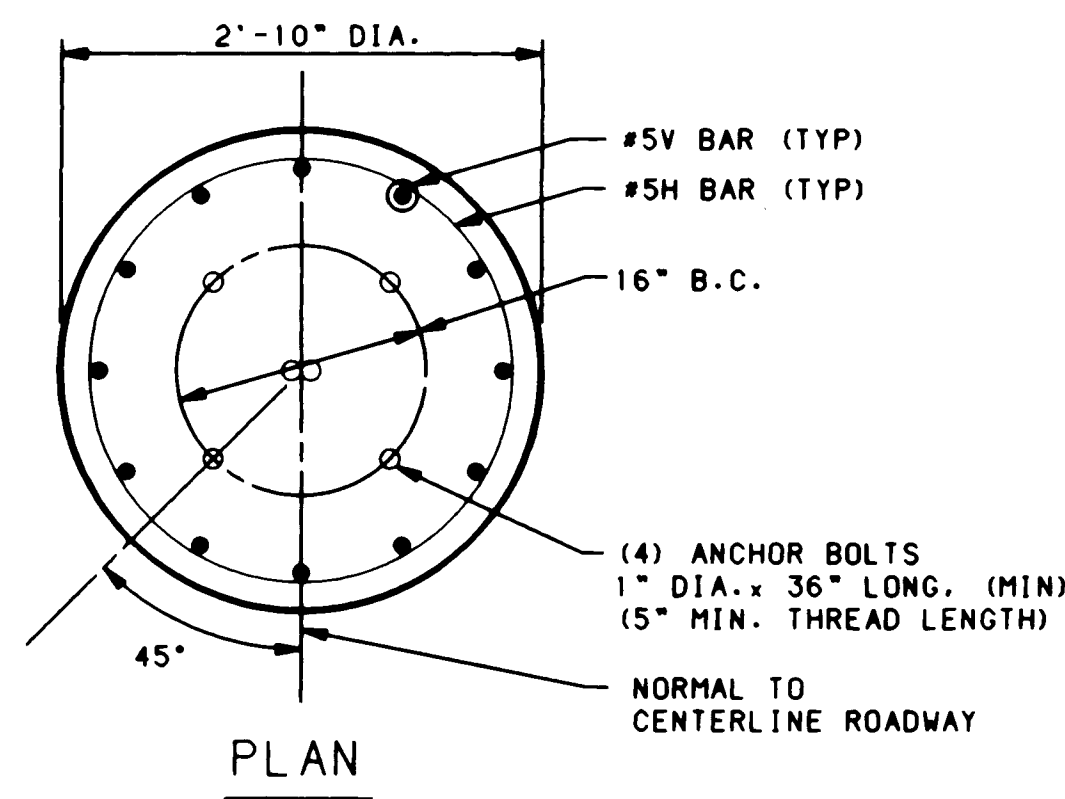
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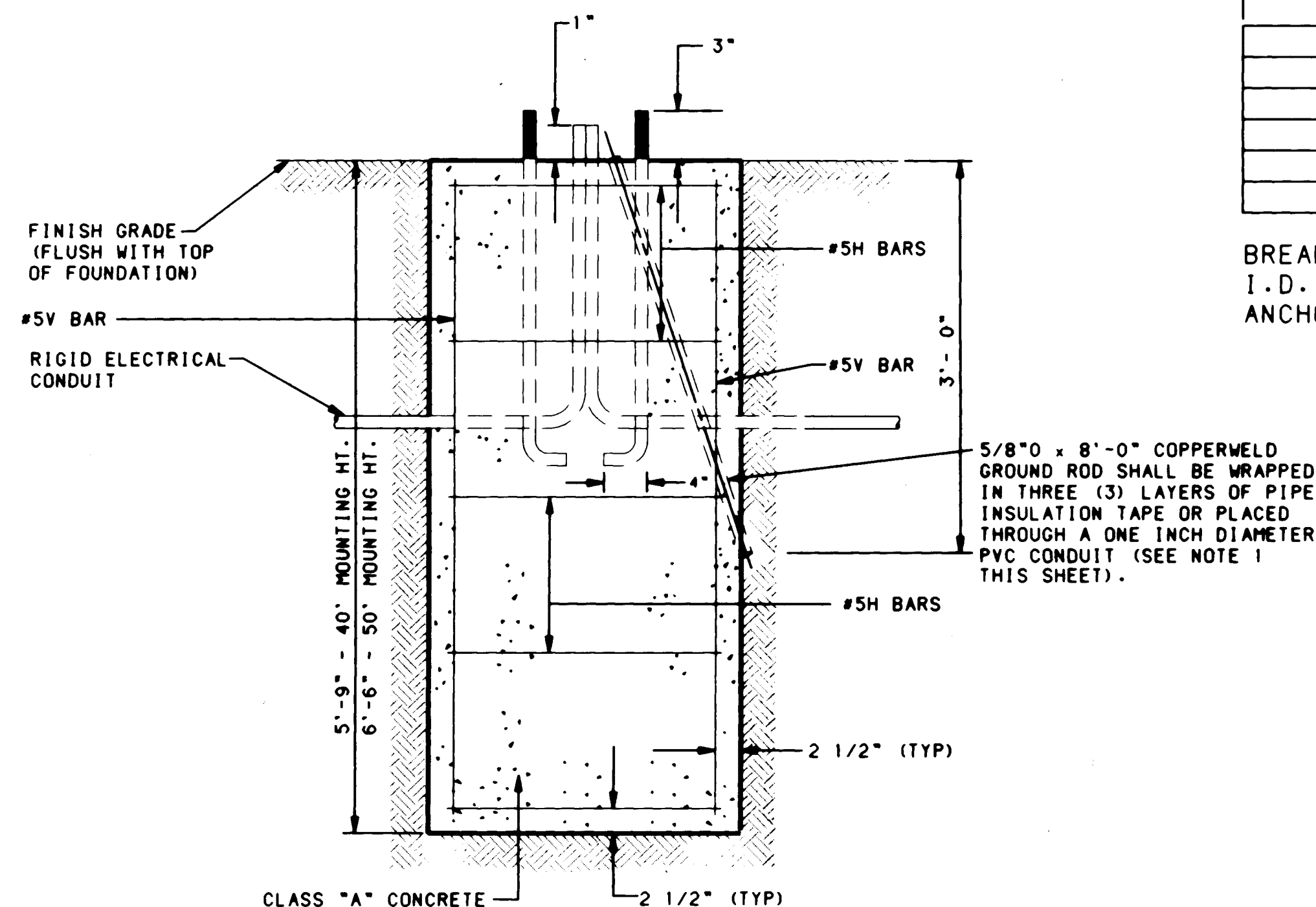
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TRAFFIC STREET LIGHTING INSTALLATION & POLE DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	12-3-91	Water	<i>[Signature]</i>	11-23-91
Transportation	<i>[Signature]</i>	7/2/91	Waste Water	<i>[Signature]</i>	"
Hydrology	N/A	11/27/91	NMUI		
DRAWING NO.	4237.90	MAP NO.	K-21	SHEET	31 OF 34



REINFORCING BARS



PLAN

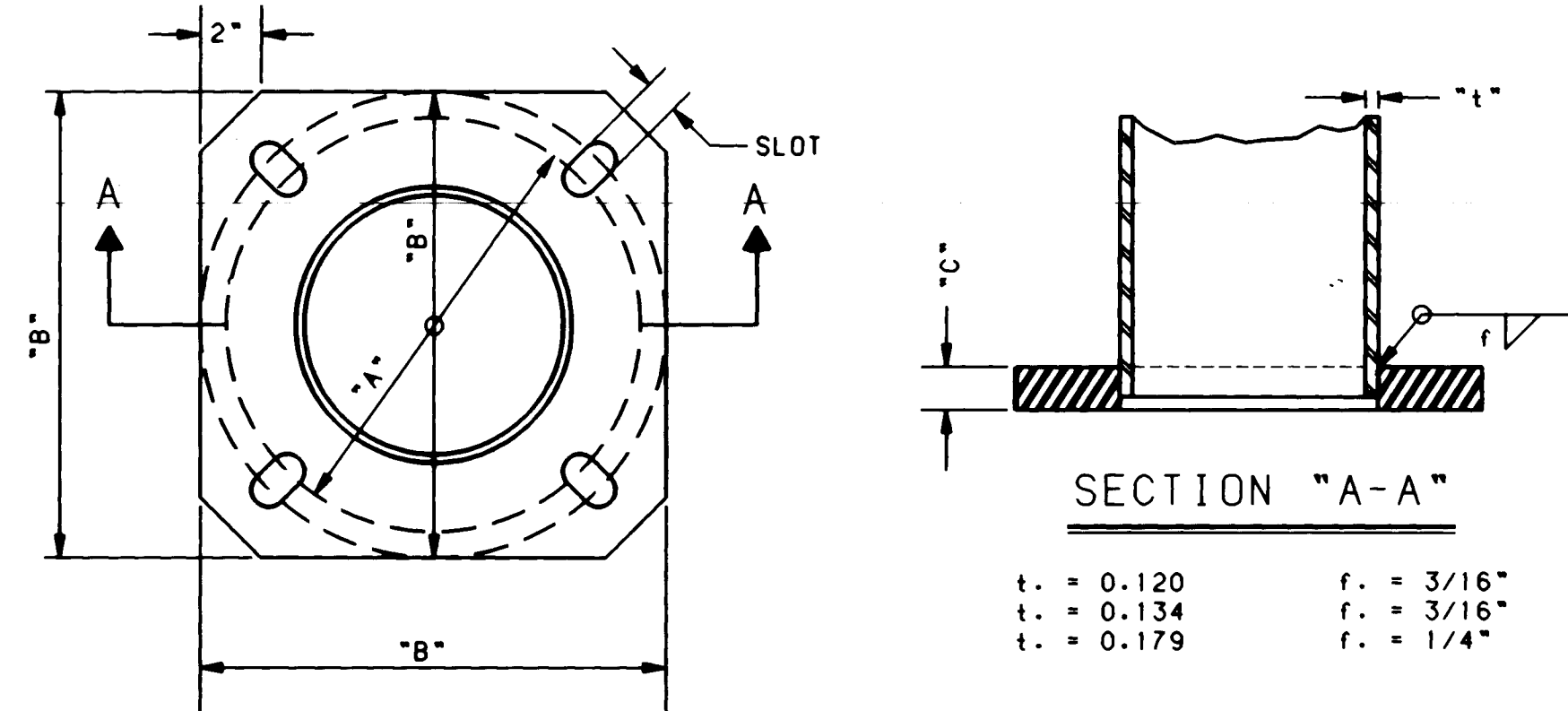


ELEVATION

ESTIMATED FOUNDATION MATERIAL

	40' MOUNTING HT.	50' MOUNTING HT.
REINFORCING BARS, GRADE 40	92 POUNDS	139 POUNDS
PORTLAND CEMENT CONCRETE CLASS "A"	1.33 CU.YDS.	1.5 CU.YDS.

FOUNDATION DETAILS

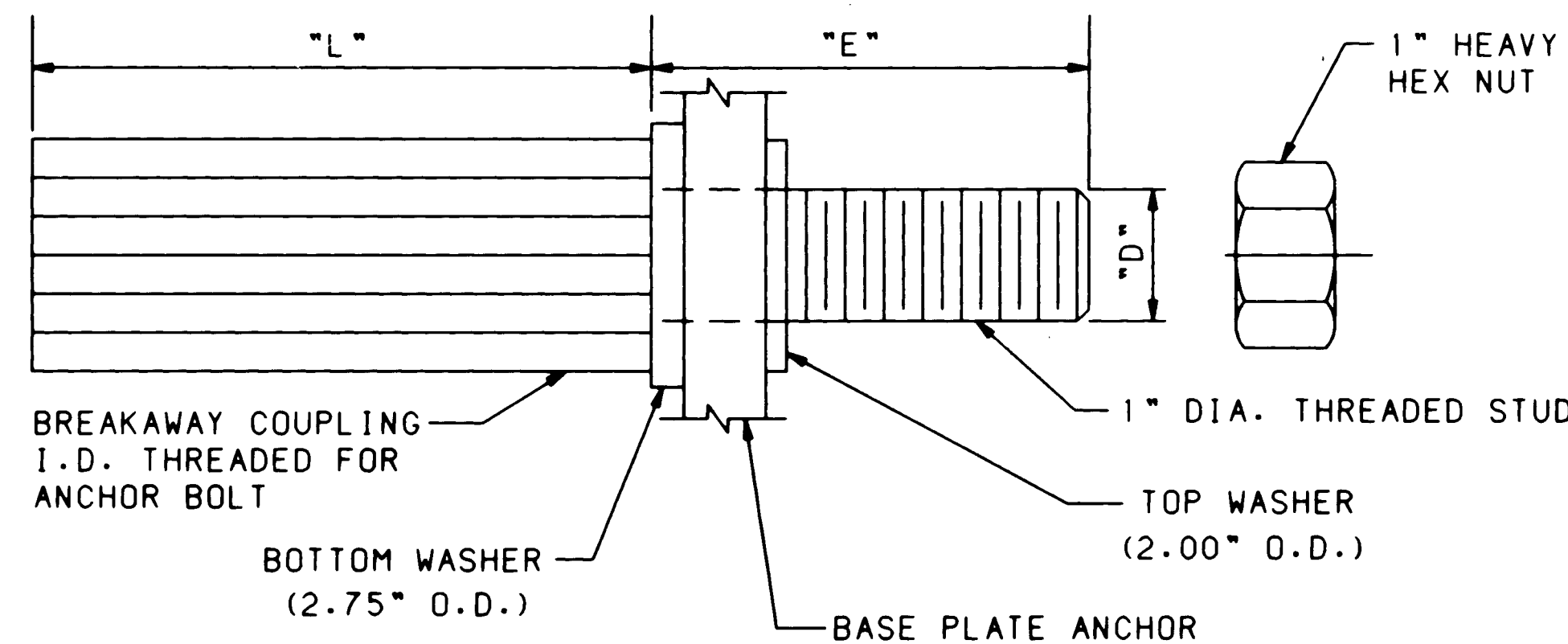


SECTION "A-A"

DIMENSION TABLE					
MOUNTING HEIGHT	NO. OF ARMS	DIMENSIONS (INCHES)			SLOT
		A (MIN.)	B (MAX.)	C	
30' - 35'	1 OR 2	11	16	1"	1.13" X 3.69"
40'	1 OR 2	11	16	1"	1.13" X 3.69"
50'	1 OR 2	14	16	1"	1.13" X 2.19"

ANCHOR BASE SHALL BE FABRICATED FROM PLATE STEEL CONFORMING TO ASTM A-36 AND SHALL BE WELDED TO POLE SHAFT PRIOR TO GALVANIZING SHAFT.

ANCHOR BASE DETAIL



DIMENSION TABLE							
D	THREAD	MINIMUM TENSILE STRENGTH	RESTRAINED SHEAR MIN.	RESTRAINED SHEAR MAX.	25 FT. LBS.	L	E
1"	8 UNC	25 KIPS	30 KIPS	7.5 KIPS	175	4-3/4"	3-5/16"

BREAKAWAY SUPPORT COUPLING SHALL CONFORM TO THE REQUIREMENTS OF AASHTO STANDARDS FOR BREAKAWAY SUPPORTS.

BREAKAWAY COUPLINGS SHOULD NOT BE USED ON 45' AND 50' DOUBLE ARM POLES.

COUPLING SHALL BE FABRICATED FROM EITHER DIE CAST ALUMINUM ALLOY 380 ACCORDING TO ASTM B-85, OR EXTRUDED FROM ALLOY 2024-T8511 ACCORDING TO ASTM A-153.

WASHERS SHALL BE FABRICATED FROM ASTM A-36 STEEL PLATE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

HEX NUTS SHALL MEET THE REQUIREMENTS OF ASTM A-563 GRADE A, AND ANSI 18.2.2 HEX TYPE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

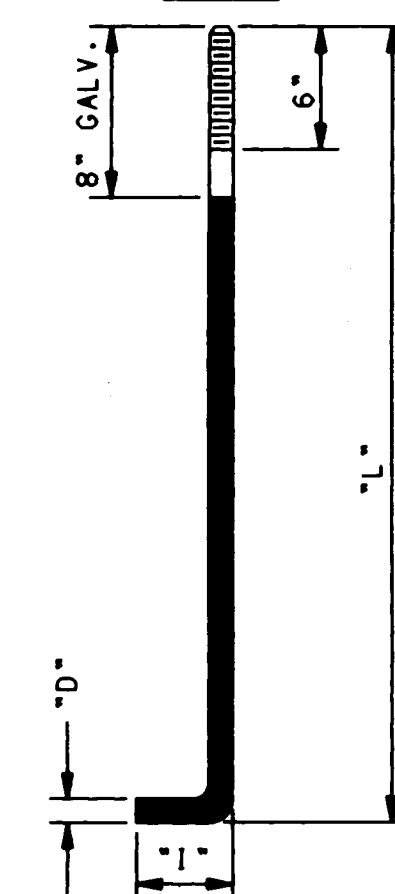
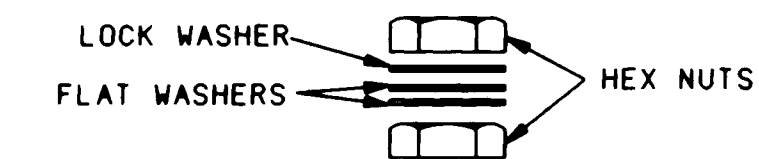
THREADED STUD SHALL MEET THE REQUIREMENT OF ASTM A-675 GRADE 90 AND IS GALVANIZED WITH ASTM A-153, OR IS FABRICATED FROM AISI STAINLESS STEEL.

WHEN COUPLINGS ARE FURNISHED, EACH LIGHT POLE SHALL BE FURNISHED WITH FOUR (4) COUPLINGS AND THREADED STUDS, EIGHT (8) FLAT WASHERS, AND FOUR (4) HEX NUTS.

BREAKAWAY SUPPORT COUPLING

MISCELLANEOUS LIGHTING NOTES

- ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS AS SHOWN WHICH SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE FOUNDATION. NO PRICE OR PAYMENTS SHALL BE MADE THEREFOR.
- WELDING SHALL BE IN ACCORDANCE WITH SECTION 1.4.2 OF AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.



DIMENSION TABLE					
MOUNTING HEIGHT	NO. OF ARMS	D	L	I	UNC
30' - 50'	1 OR 2	1"	36	4	8

ANCHOR BOLTS SHALL BE HOT BENT AND SHALL MEET THE REQUIREMENTS OF ASTM A-675 GRADE 90. NUTS MEET THE REQUIREMENTS OF ASTM A-563 GRADE A, AND ANSI B18.2.

FLAT WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B27.2 HEAVY WASHERS.

LOCK WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B18.21.1 HEAVY WASHERS.

BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153.

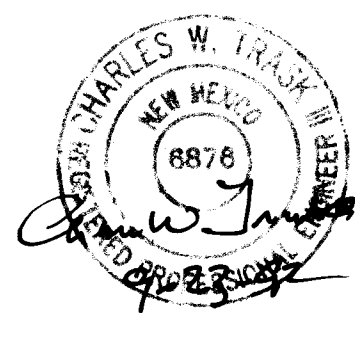
FOUR (4) ANCHOR BOLTS, EIGHT (8) HEX NUTS, EIGHT (8) FLAT WASHERS, AND FOUR (4) LOCK WASHERS SHALL BE FURNISHED WITH EACH ANCHOR BASED EQUIPPED POLE.

NUTS, FLAT WASHERS, AND LOCK WASHERS FURNISHED FOR BREAKAWAY SUPPORTS SHALL BE SPECIFIED ON DETAILS.

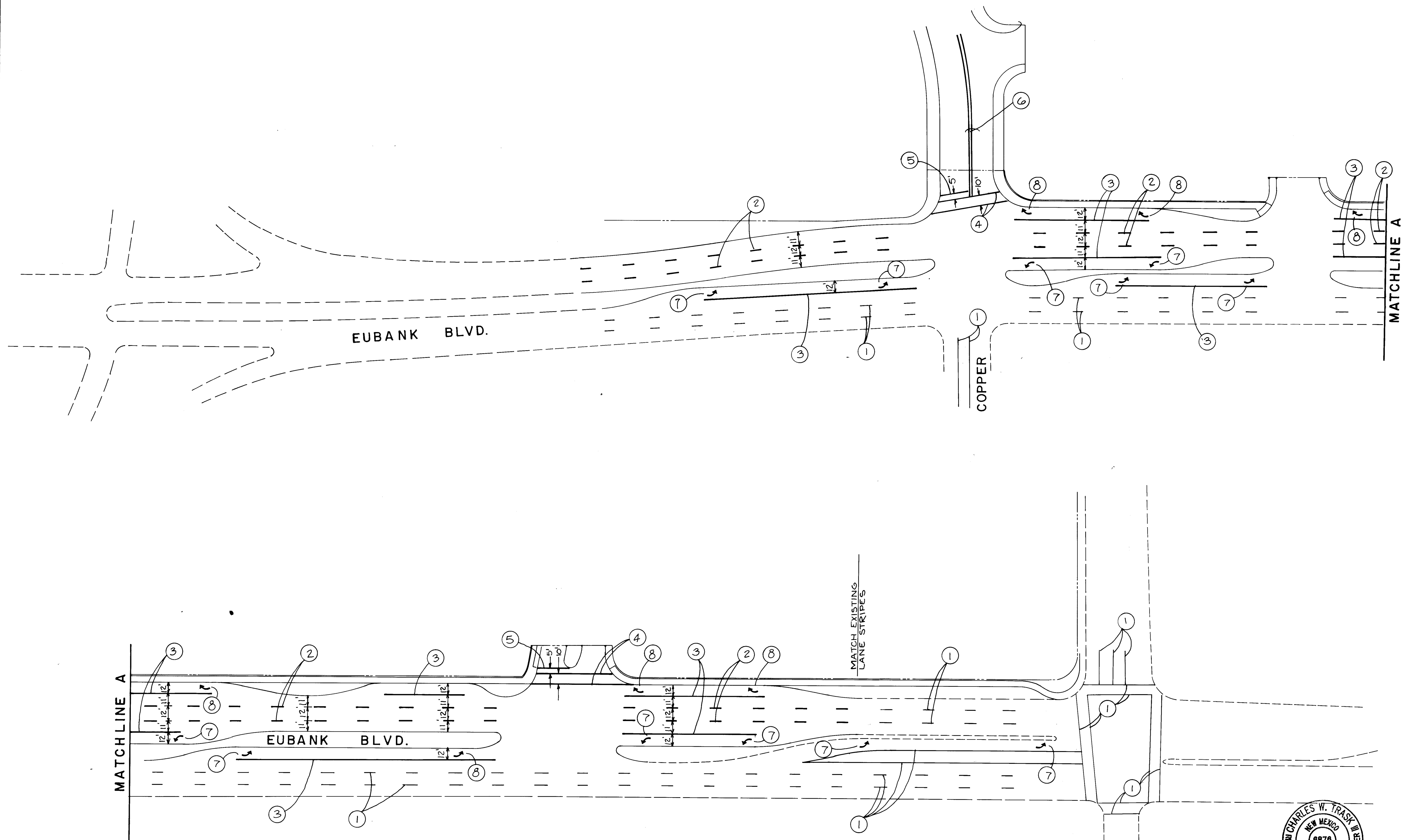
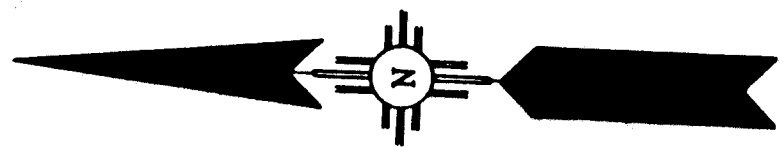
ANCHOR BOLTS

RECORD DRAWINGS, DATE: 9-23-92

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: STREET LIGHTING FOUNDATION & MISCELLANEOUS DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Ronald R. Ruan	12-3-91	Water	W. Ruan	11-27-91
Transportation	W. Ruan	7/5/91	Waste Water	W. Ruan	
Hydrology	N/A	11/27/91	NMUI		
DRAWING NO.	4237.90	MAP NO.	K-21	SHEET	32 OF 34



KEYED NOTES

- 1 EXISTING PAVEMENT MARKINGS TO REMAIN
- 2 4\"/>

NOTES

- 1 ALL NEW PAVEMENT MARKINGS INCLUDING LANE LINES, STOP BARS, CROSSWALKS, AND ARROWS SHALL BE EITHER HOT OR COLD PLASTIC REFLECTORIZED MARKERS
- 2 COLD PLASTIC REFLECTORIZED PAVEMENT MARKINGS SHALL CONFORM TO THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1984 EDITION, SECTION 718
- 3 HOT PLASTIC REFLECTORIZED PAVEMENT MARKINGS WILL BE CONSIDERED BY THE CITY AS A SUBSTITUTE FOR COLD PLASTIC PROVIDED THAT INSTALLATION IS CARRIED OUT PER THE MANUFACTURER'S SPECIFICATIONS. HOT PLASTIC SHALL BE A MINIMUM OF 90 MIL THICKNESS FOR LANE LINES AND 125 MIL FOR ALL TRANSVERSE LINES. TEN POUND DROP-ON GLASS BEADS PER 100 SQ. FT. IS REQUIRED. ALL TRANSVERSE LINES SHALL BE ALKYD THERMOPLASTIC. LANE LINES MAY BE HYDROCARBON THERMOPLASTIC
- 4 CONTRACTOR SHALL REMOVE ALL CONFLICTING EXISTING PAVEMENT MARKINGS.

26 4237.903392

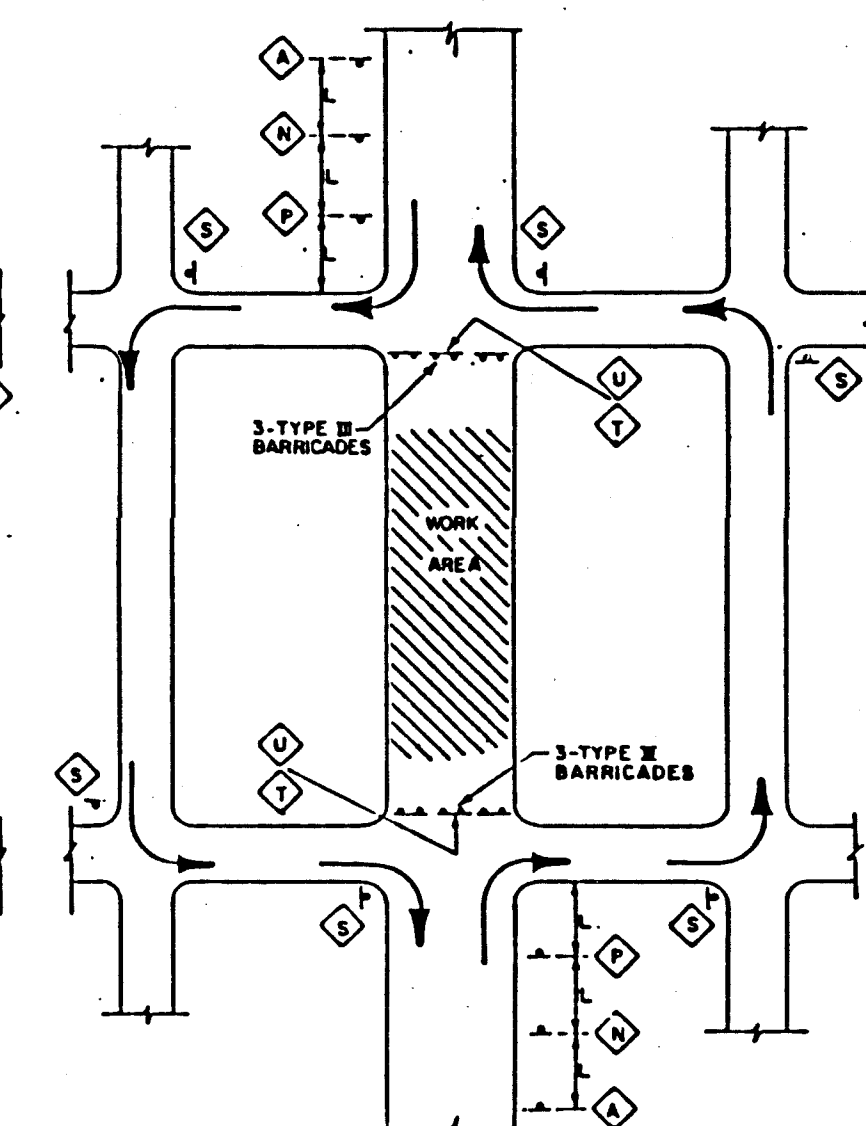
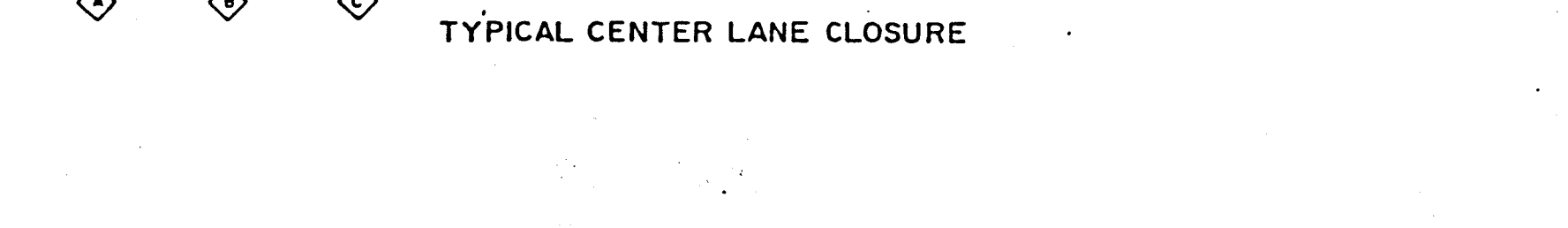
SCALE: 1" = 50'

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: TOWNE PARK PLAZA	
STRIPING PLAN	
APPROVALS	ENGINEER
DATE	APPROVALS
ENGINEER	DATE
ORC CHAIRMAN	12/29/91
TRANSPORTATION	7/13/91
HYDROLOGY	11/27/91
DESIGNED BY	AMT
DRAWN BY	SP
CHECKED BY	CWT
DATE	7-91
DATE	7-91
DATE	7-91

RECORD DRAWINGS, DATE: 9-23-92

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SCANNED BY LASON



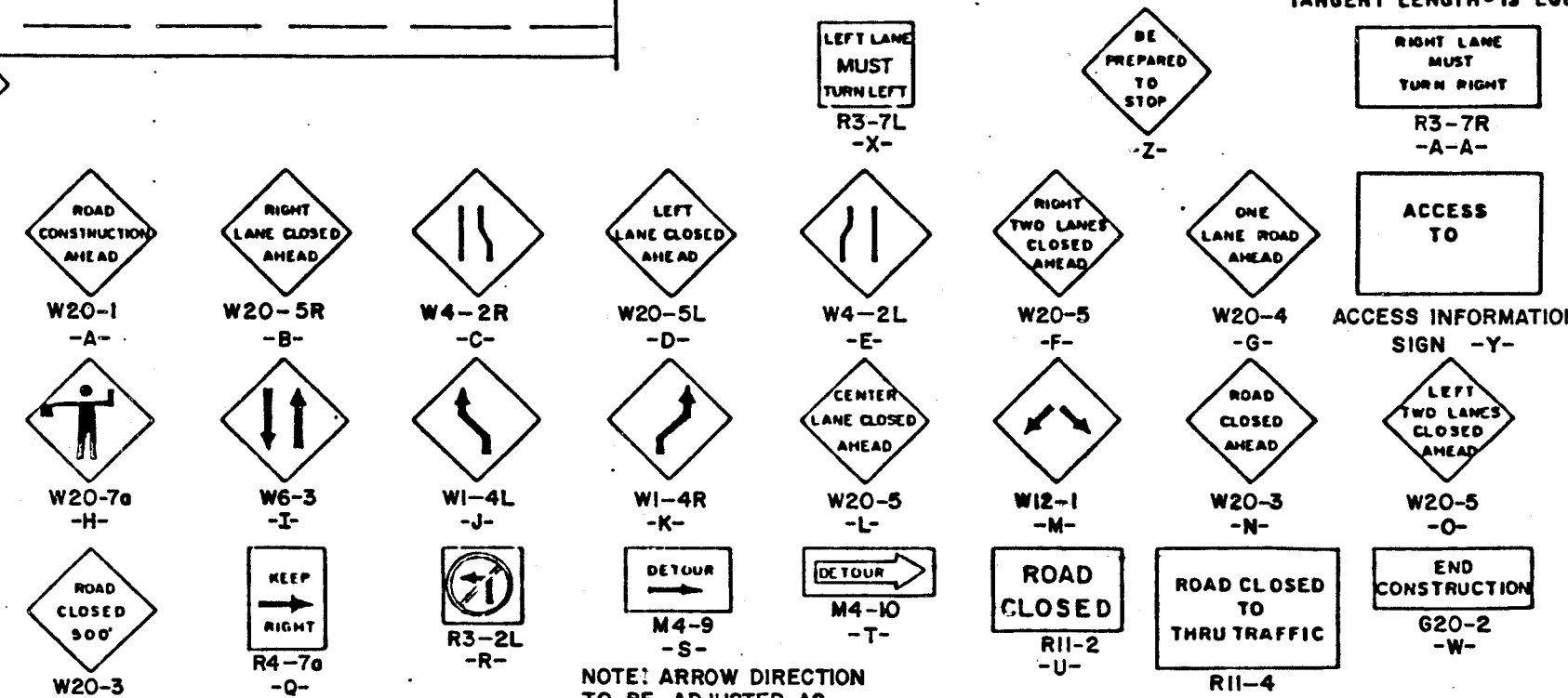
ALL ADVANCE WARNING SIGNS ARE TO BE DOUBLE INDICATED WHENEVER MEDIANS ARE PRESENT.

TRANSFORMATION FROM EXISTING SIGNALS TO SPAN WIRE IS TO OCCUR AT OFF PEAK HOURS.

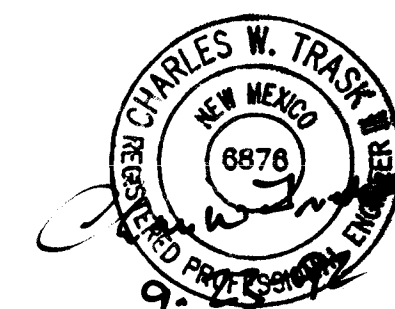
SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
	10' LANE	11' LANE	12' LANE		
25	104	118	125	25	6
30	150	165	185	30	7
35	204	225	245	35	8
40	267	293	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660	55	13

② TRAFFIC SIGN & QUANTITY (SEE THIS SHEET FOR DESIGNATION)
 ○ BARRICADE - TYPE I, TYPE II, OR BARREL
 † BARRICADE - TYPE III
 ‡ VERTICAL PANEL
 ✕ WARNING SIGN
 L ~~DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO 500' -~~
~~OR A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET~~
 □ FLAGMAN POSITION
 S SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET
 EQUAL TO THE SPEED LIMIT OF THE STREET

TANGENT LENGTH - IS EQUAL TO ~~THE TAPER LENGTH FOR A GIVEN STREET~~ 1/2 OF TAPER LENGTH



-S-
NOTE: ARROW DIRECTION
TO BE ADJUSTED AS
NEEDED.



RECORD DRAWINGS, DATE: 9-23-92

ALL "RECORD DRAWING" INFORMATION SHOWN ON THIS PLAN SHEET WAS COMPILED FROM INFORMATION PROVIDED TO BOHANNAN-HUSTON, INC. BY THE OWNER, CONTRACTOR, CITY OF ALBUQUERQUE (CONSTRUCTION OBSERVER), AND THE AS-BUILT SURVEY (BY BHI). BOHANNAN-HUSTON, INC. DOES NOT CERTIFY TO THE ACCURACY, COMPLIANCE OR ACCEPTANCE OF THE CONSTRUCTION OR CONSTRUCTION METHODS.

SCANNED BY
BY LASON

[illegible]

		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE:		TOWNE PARK PLAZA TRAFFIC CONTROL PLAN			
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	03-21	WATER	<i>[Signature]</i>	11-22
TRANSPORTATION	<i>[Signature]</i>	11-21-91	WASTE WATER	<i>[Signature]</i>	..
HYDROLOGY	N/A	11-27-91	NMUI		
DRAWING NO.		423790	MAP NO.		K- 21S
			SHEET		OF 34