CONSTRUCTION PLANS

FOR

PROJECT NO. 3494.91

ADOBE ACRES/LAKEVIEW WATERLINES EL CHARRO-CLEAR ADDITION

PUBLIC WORKS DEPARTMENT CITY OF ALBUQUERQUE

INDEX TO DRAWINGS

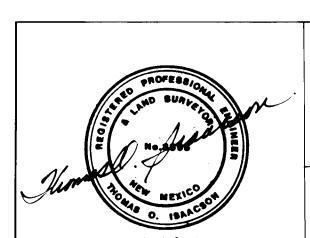
SHEET NO.	TITLE
1	COVER SHEET
2	GENERAL NOTES, LOCATION MAP
3	CLEAR STREET
4 4 5	LISA ROAD, DON DEURO FADILLA ROAD EL CHARRO PLACE, 0+00 TO 9+00
6	EL CHARRO PLACE, 9+00 TO END AND CUL-DE-SAC
7	DETAILS
8	TRAFFIC CONTROL PLAN



RECORD DRAWING

This is part of a record document. Record documents are based on reports subman #55v cathers Engineers a conot assummer assume Users of record documents are cautioned and advised to obtain independent was framen of actual conditions

REV. SHEETS CITY ENGR USER DEPT. APPROVAL OF REVISIONS



Isaacson & Arfman, P.A.

PROJECT NO. 3494.91

SHEET 1 OF 8

APPROVED FOR. CONSTRUCTION

CON-91-9

26 3494.910193

GENERAL NOTES

- 1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE & VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM
- 3. Two (2) working days prior to any excavation, Contractor must contact Line Locating Service a 260-1990 for Location OF EXISTING UTILITIES.
- 4. THE REMOVAL & REPLACEMENT OF ALL SIGNS, POSTS, FENCES, MAIL-BOXES AND ROAD MARKINGS SHALL BE CONSIDERED INCIDENTAL TO THE WATERLINE CONSTRUCTION. NO SEPARATE PAYMENT WILL BE MADE THEREFOR UNLESS NOTED OTHERWISE ON THE PLANS.
- 5. NO WATER VALVE SHUTOFFS ARE REQUIRED ON THIS PROJECT (EXISTING LINES BEING EXTENDED ARE NOT PRESSURIZED).
- 6. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING. THE SURFACE COURSE SHALL BE INSTALLED AFTER FULL APPROVAL AND ACCEPTANCE OF THE UTILITY LINES.
- 7. PAVEMENT REPLACEMENT AND BACKFILL SHALL BE PER COUNTY OF BERNALILLO STANDARD DRAWING 2465.
- 8. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- 9. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION AND SUPPORT OF POWER POLES AND GUY LINES DURING CONSTRUCTION. HE SHALL ARRANGE FOR SUPPORT, BY THE PUBLIC SERVICE CO. OF NEW MEXICO (PNM), FOR ANY POLES WHICH MIGHT BECOME EN-DANGERED BY CONSTRUCTION ACTIVITIES.

PAYMENT FOR POLE SUPPORTING AND GUY WIRE RELOCATIONS SHALL BE A DIRECT REIMBURSEMENT TO THE CONTRACTOR OF PNM CHARGES. NO MARK-UP OF PNM CHARGES WILL BE ALLOWED.

- 10. ALL BUILD NOTES ARE REFERENCED TO THE SURVEY CENTERLINE UNLESS OTHERWISE NOTED.
- 11. RESTRAINED JOINT FITTINGS SHALL BE PROVIDED AT ALL TEES, CROSSES, REDUCERS, BENDS, HYDRANTS, AND VALVES. CONCRETE BLOCKING SHALL BE PROVIDED FOR ALL CAPS & PLUGS.
- 12. ELEVATIONS SHOWN FOR FITTINGS ON PROFILE (SHEETS 4-6) ARE PIPE INVERT ELEVATIONS.
- 13. ALL WATERLINES SHALL HAVE A MINIMUM COVER OF 5'.
- 14. THIS PROJECT IS SUBJECT TO THE TERMS AND CONDITIONS OF THE MASTER UTILITY EASEMENT AND RIGHT-OF-WAY AGREEMENT ENTERED INTO BETWEEN THE COUNTY OF BERNALILLO AND THE CITY OF ALBU-QUERQUE, EFFECTIVE DATE 8/20/90. THE "GRADE LINE"; AS DEFINED IN ITEM NO. 4, SECTION 1 OF THAT AGREEMENT; IS THE EXISTING GROUND LINE AS SHOWN AND NOTED ON SHEETS 3-7 OF THESE PLANS.

SPECIAL NOTES 1. ADDITIONAL WORK NOT SHOWN ON PLANS:

AT NORTHWEST CORNER OF GUN CLUB ROAD AND PADILLA ROAD-REMOVE EXISTING BLIND FLANGE AND FURNISH AND INSTALL THE FOLLOWING MISSING SECTIONS TO AN EXISTING MUELLER FIRE HYDRANT (HYDRANT #40 ON SHEET 7, LAYOUT & WATER SHUTOFF PLAN).

-UPPER BARREL

-BONNET 1-VALVE ROD W/ ROD COUPLINGS

AS REQUIRED

CONTRACTOR SHALL UNCOVER EXISTING HYDRANT AND VERIFY BRAND AND MODEL OF HYDRANT PRIOR TO ORDERING REPLACE-MENT PARTS. REMAINING FIRE HYDRANT PARTS SHALL BE DELIVERED TO CITY WATER UTILITIES.

2. FURTHER ADDITIONAL WORK NOT SHOWN ON PLANS:

AT THE NORTHWEST CORNER OF GUN CLUB ROAD AND KIRK LANE DUPLICATE WORK DESCRIBED UNDER SPECIAL NOTE NO. 1 ABOVE FOR EXISTING HYDRANT (HYDRANT #36 ON SHEET 7, LAYOUT & WATER SHUTOFF PLAN).

BERNALILLO COUNTY CONSTRUCTION NOTES

- 1. CONTRACTOR SHALL NOTIFY THE BERNALILLO COUNTY PUBLIC WORKS
 DEPARTMENT IN WRITING A MINIMUM OF 10 DAYS PRIOR TO BEGINNING ANY WORK.
- 2. CONTRACTOR SHALL NOTIFY THE BERNALILLO COUNTY SHERIFF'S DEPARTMENT AND FIRE DEPARTMENT PRIOR TO ANY ROAD CLOSURES.
- 3. CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM BERNALILLO COUNTY PRIOR TO BEGINNING WORK.
- 4. COUNTY INSPECTION OF WORK IS REQUIRED.
- 5. OBTAIN PERMITS FROM G.J. FOSTER, BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT (843-6120).
- 6. REPAIRED GRAVEL ROADS IN COUNTY R/W SHALL MEET FOLLOWING COUNTY STANDARDS: A. GRAVEL SURFACING SHALL MEET REQUIREMENTS FOR CRUSHED AGGREGATE BASE COURSE (CITY SPEC. SECTION 302) B. GRAVEL THICKNESS SHALL BE 6" MIN.
- 7. ALL BACKFILL SHALL BE COMPACTED TO COUNTY STANDARDS OF 95% MODIFIED PROCTOR DENSITY.

WATER SERVICES NOTES

- 1. ALL TRACTS AND LOTS SHALL HAVE SERVICE LINES AND METER BOXES INSTALLED. THE CITY SHALL BE RESPONSIBLE FOR CON-TACTING THE HOMEOWNER TO DETERMINE THE SERVICE LINE SIZE AND TO COORDINATE THE LOCATION OF THE METER BOX WITHIN PUBLIC RIGHT-OF-WAY. FOR VACANT TRACTS, THE METER BOX SHALL BE LOCATED AT THE MIDPOINT OF THE LOT'S FRONTAGE FOR SINGLE LOTS
- AND AT THE COMMON SIDE LOT LINE FOR VACANT DOUBLE LOTS.

 2. AS PER SECTION 802.3.6.2 OF THE STANDARD SPECIFICATIONS, HEAVYWEIGHT METER BOX COVERS & LIDS (STD. Dwg. No. 2369) SHALL BE INSTALLED AT ALL LOTS.
- 3. AS PER SECTION 802.3.13 OF THE STANDARD SPECIFICATIONS, ALL COPPERSETTERS SHALL INCLUDE A CHECK VALVE AS ALL SERVICES INSTALLED UNDER THIS CONTRACT WILL BE WITHIN ZONE O-W OF THE WATER DISTRIBUTION SYSTEM. (SEE METERED SERVICE LINE INSTALLATION DETAIL.)
- 4. WHERE WATER SERVICE IS REQUIRED TO BE EXTENDED ACROSS EXISTING PAVED ROADS, THE CONTRACTOR SHALL BORE THESE SERVICE LINES. BORING FOR SERVICES LINES SHALL BE CONSIDERED INCIDENTAL TO WATER SERVICE LINE CONSTRUCTION AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.

UTILITY LINES NOTES

WARNING - EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

PROJECT SITE GUN CLUB RD. EL CHARRO-PLACE LISA ROAD **** SU PERCE MORE FROME PACE

SEE SPECIAL NOTE NO. 1

LOCATION MAP

1"=600'±

PLAN & PROFILE SHEETS LEGEND

R/W OR PROPERTY LINE WOVEN WIRE FENCE CHAIN LINK FENCE WOOD FENCE —-**X**——X— BARBED WIRE FENCE MASONRY WALL

MAIL BOX SIGN

POWER POLE W/ ANCHOR UNDERGROUND TELEPHONE W/ JUNCTION BOX --- · --- □-- UGT

UNDERGROUND TV W/ RISER UNDERGROUND GAS

GAS SERVICE LINE ____ GS NEW WATERLINE W/ SIZE NEW GATE VALVE / FIRE HYDRANT

EXISTING WATER METER NEW WATER SERVICE LINE & METER RECORD DRAWING

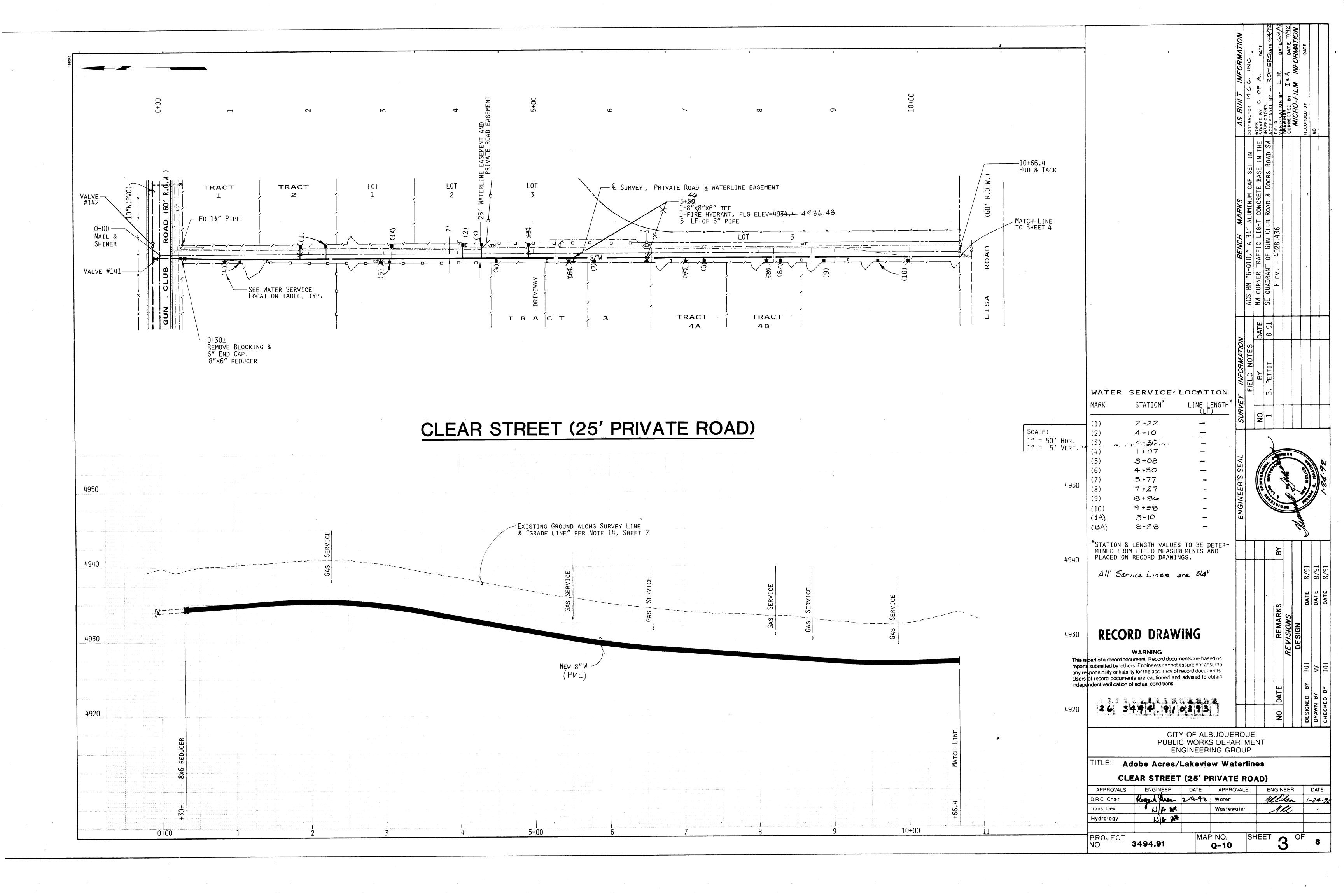
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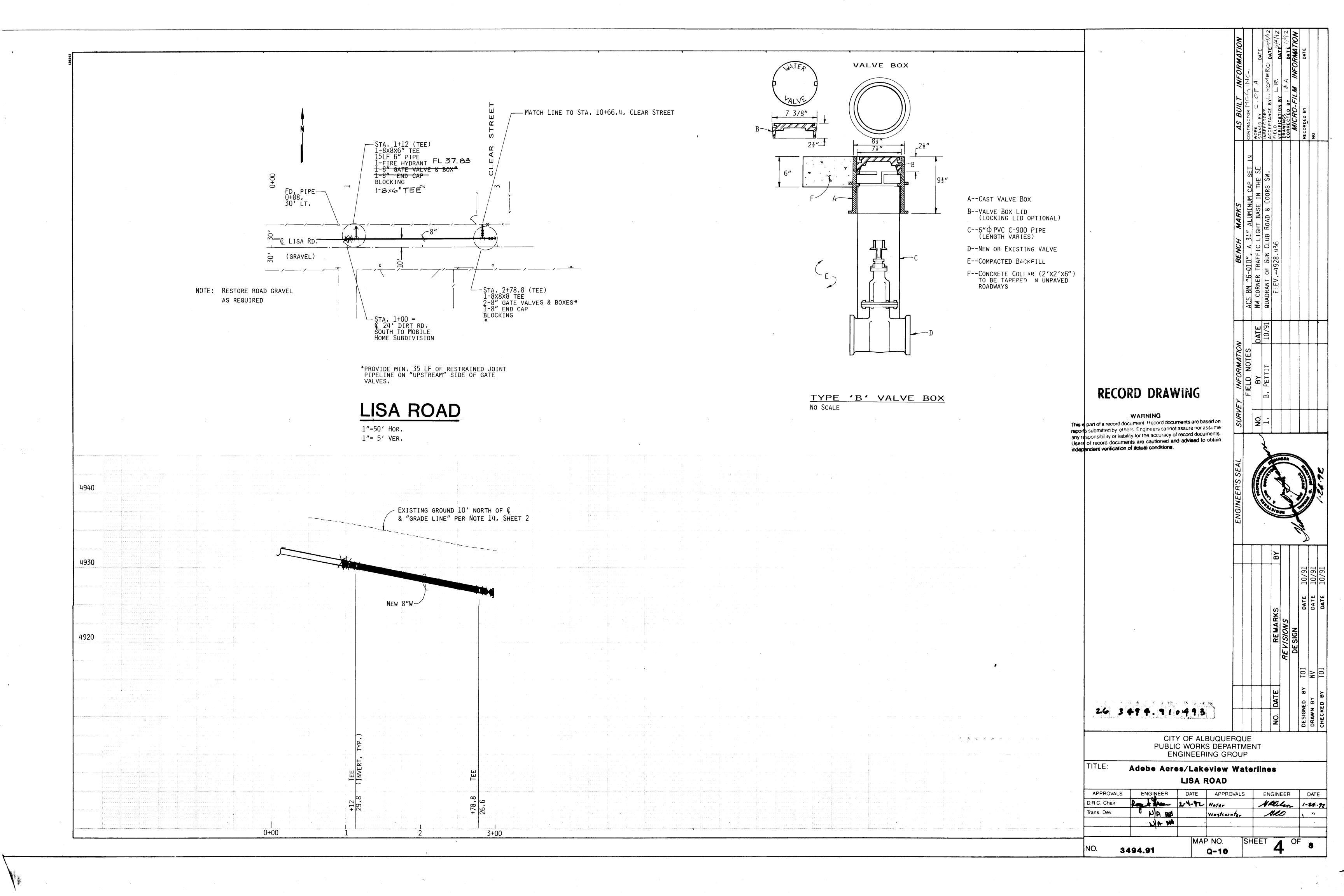
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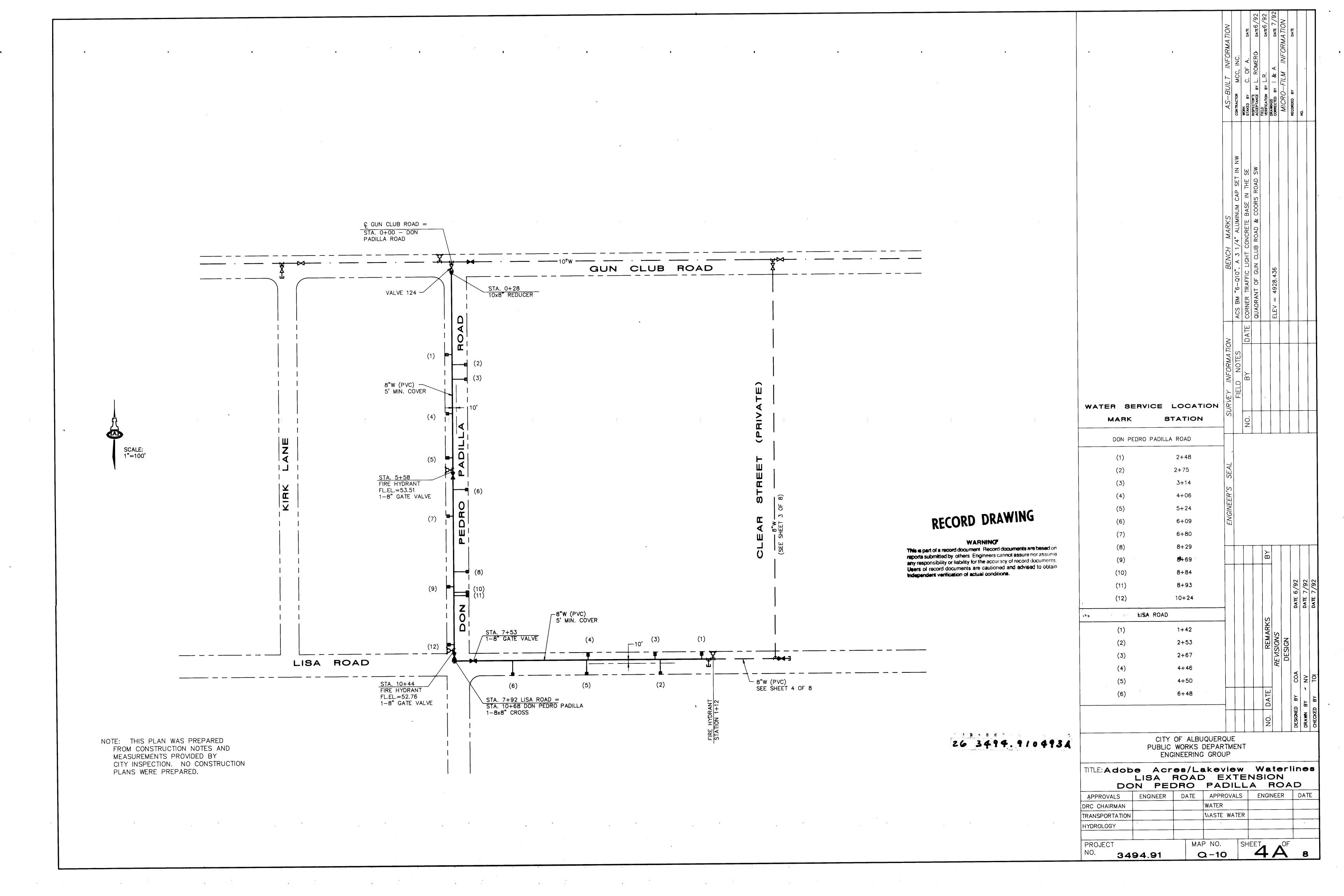
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP

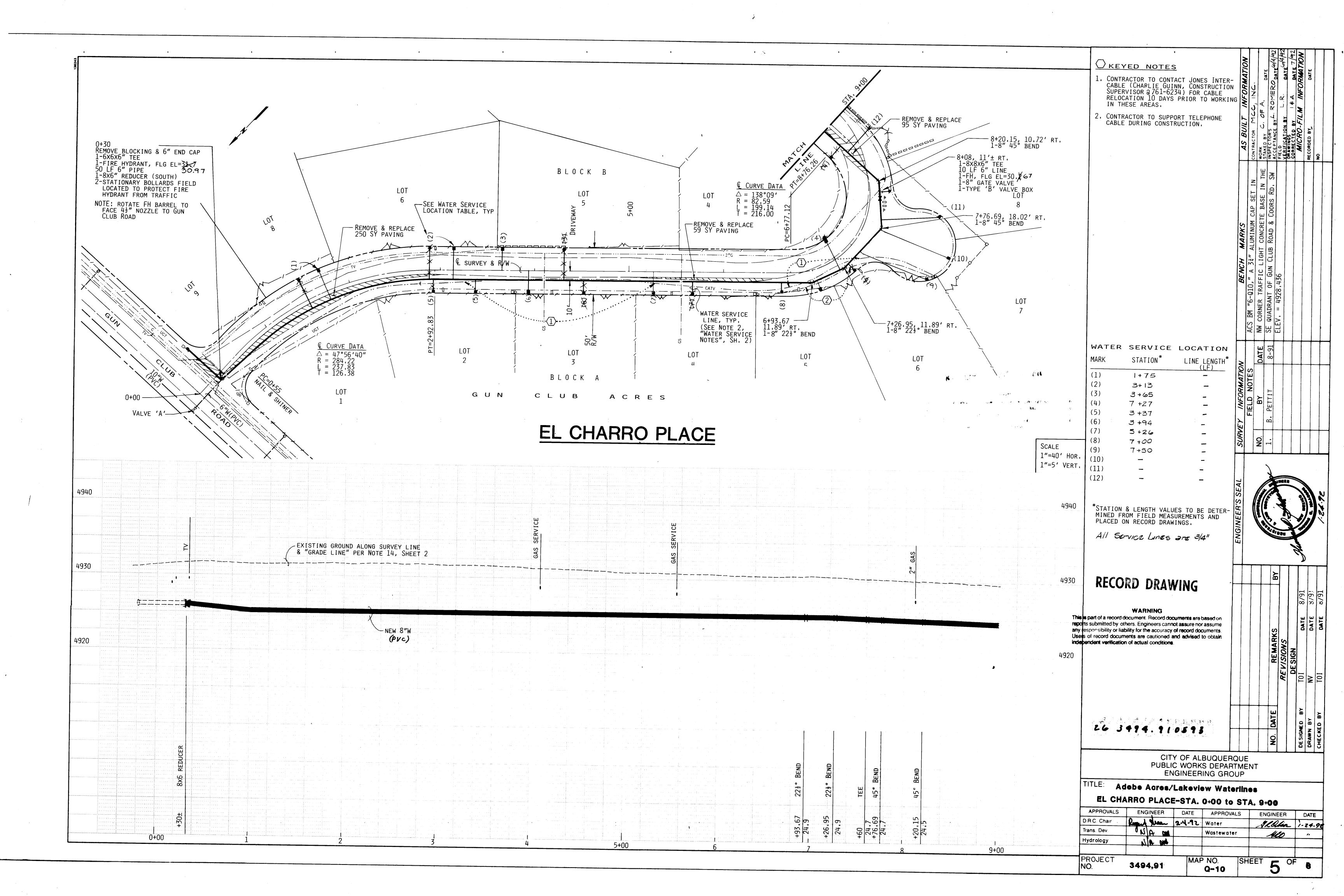
Adobe Acres / Lakeview Waterlines GENERAL NOTES, LEGEND, LOCATION MAP

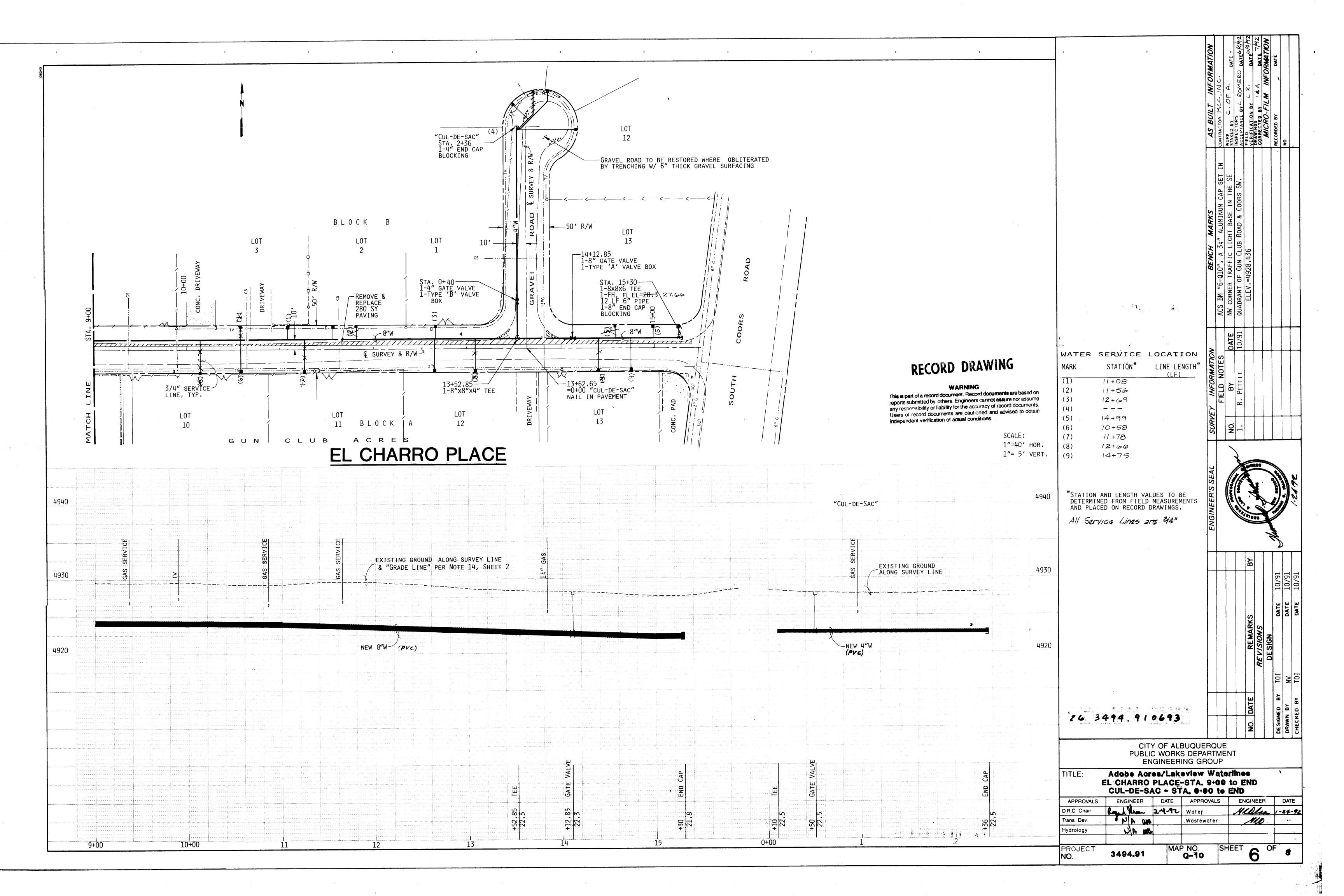
DATE APPROVALS ENGINEER DATE APPROVALS ENGINEER Haulton 2-4-92 Water 4/1/1 D.R.C. Chair 1-24-92 (N 4 W Waste Water -410 rans. Dev. Hydrology SHEET 🥎 OF 3494,91

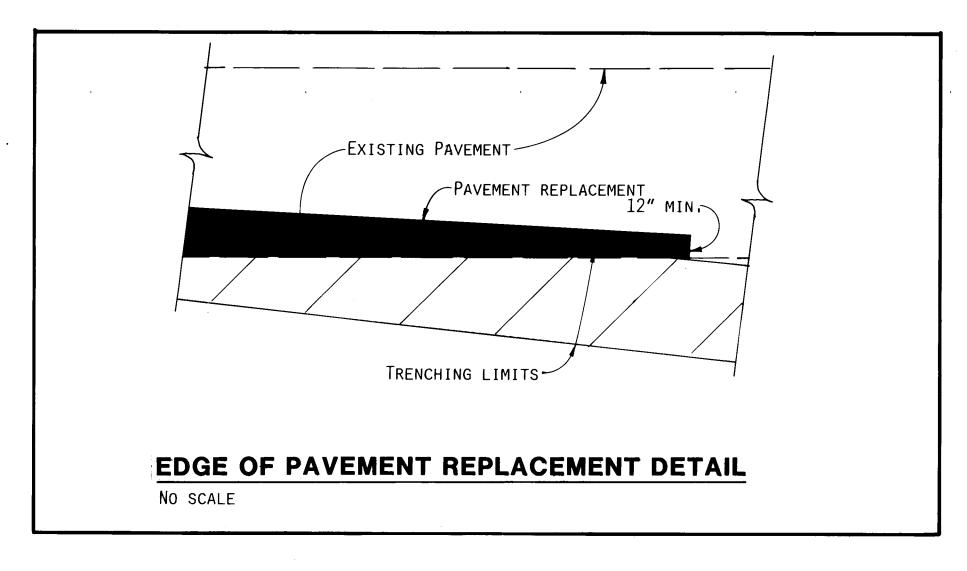


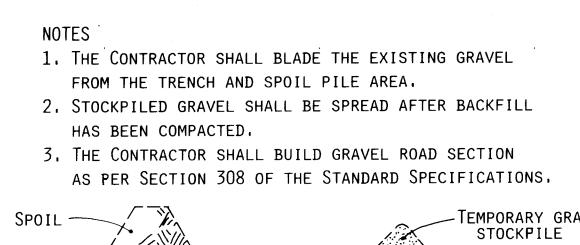


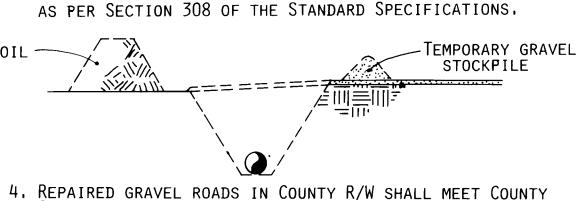












GRAVEL ROAD SECTION

STANDARDS FOR GRAVEL GRADATION & THICKNESS.

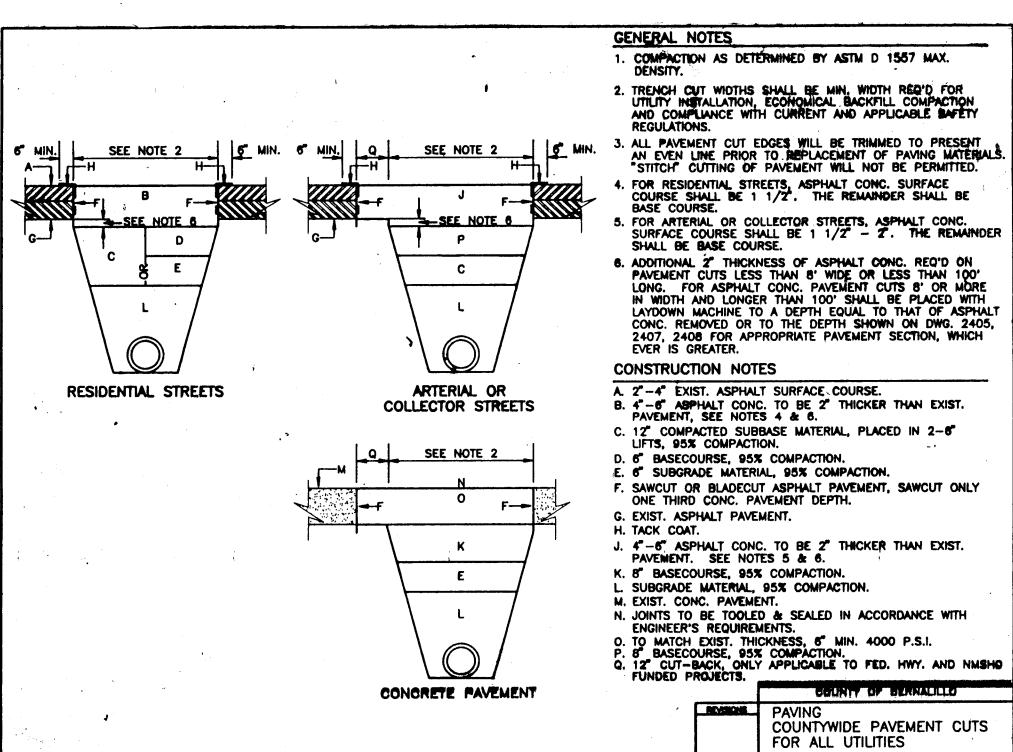
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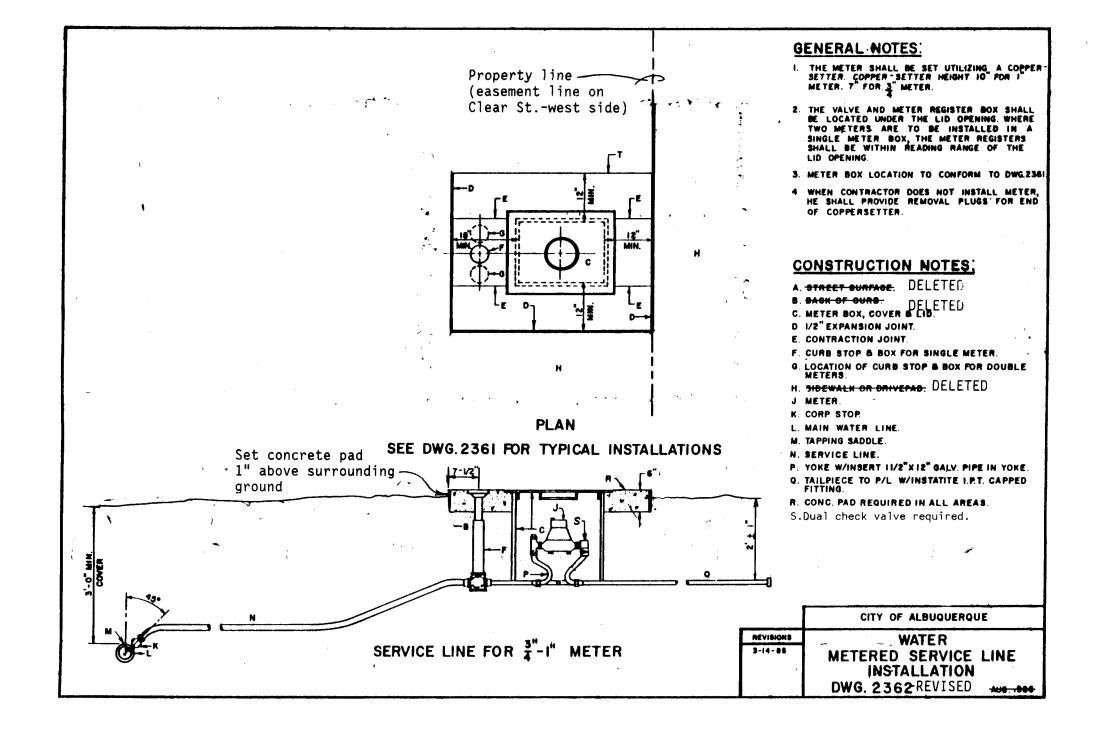
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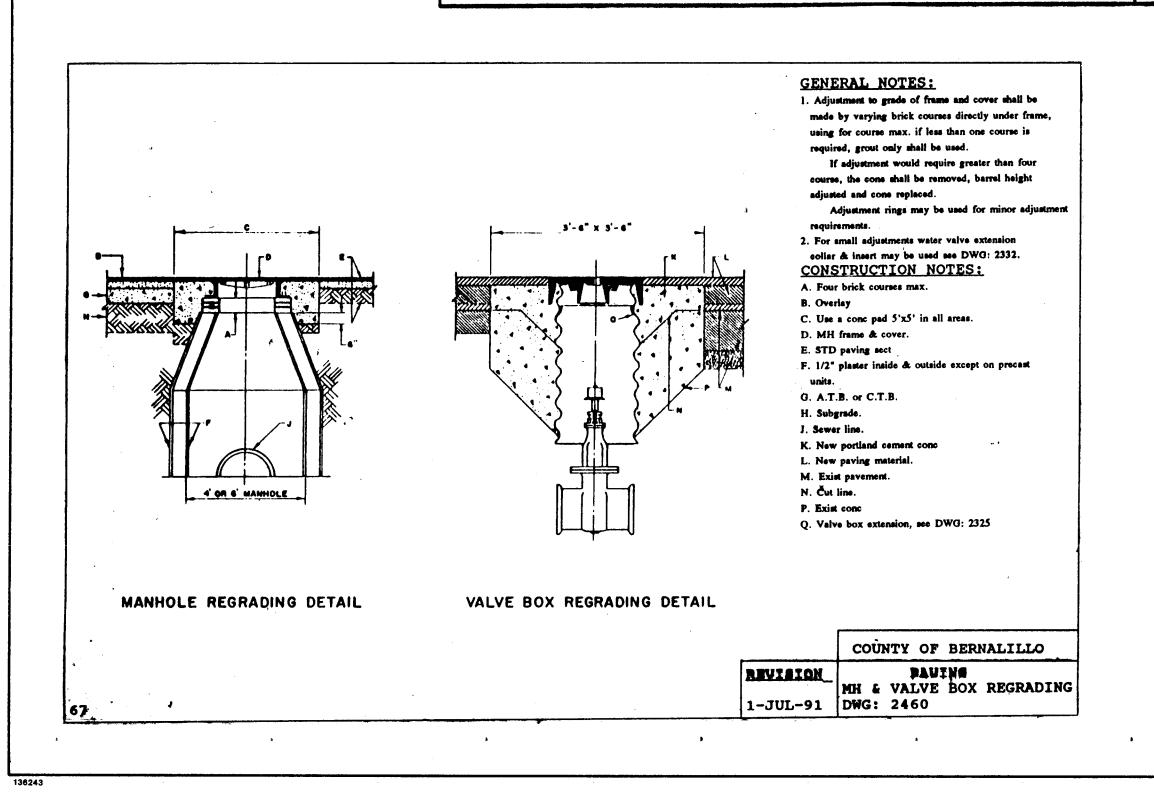
- 1. WHERE PVC PIPE IS INSTALLED ALONG A CURVILINEAR ALIGNMENT, THE DEFLECTION SHALL OCCUR ALONG THE BARREL LENGTH OF THE PIPE, NOT AT THE JOINT.
- 2. THE FOLLOWING OFFSETS SHALL NOT BE EXCEEDED.
- 3. MECHANICAL MEANS SHALL NOT BE USED TO BEND PVC PIPE.

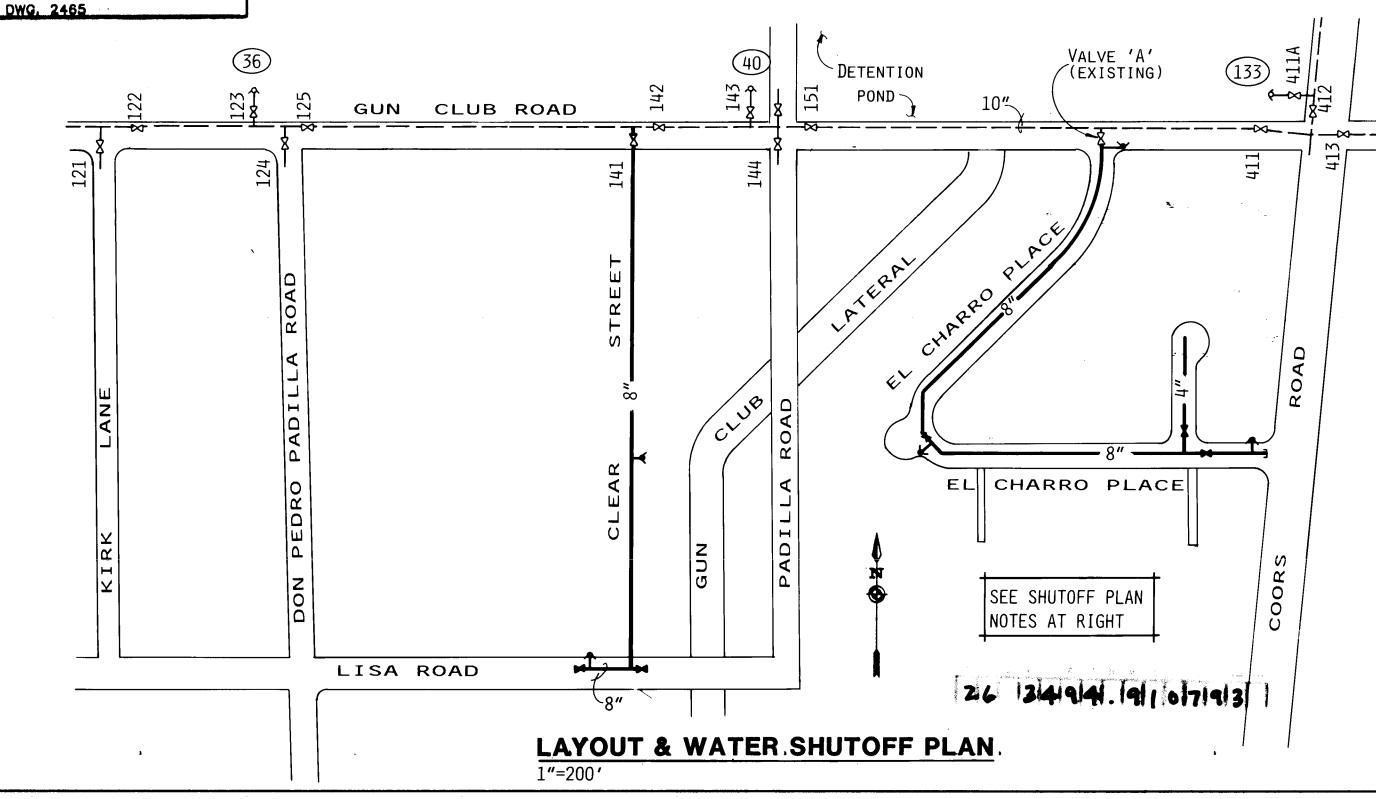
PIPE DIA. (INCHES)	MIN. ALLOWABLE RADIUS (FEET)	MAX. OFFSET PER 20 PIPE LENGTH (INCHES		
4	135	18		
6	240	10		
8	270	* 9		

CURVATURE DATA FOR PVC PIPE









WATER SHUTOFF PLAN & RELATED WORK 1. EXISTING 10" LINE IN GUN CLUB ROAD IS "DRY" FROM VALVE #411 (NEAR COORS) TO THE WEST. THIS SYSTEM HAS BEEN CHLORINATED, PRESSURE TESTED, FLUSHED AND DRAINED IN 1990
WATER SHUTOFF PLAN & RELATED WORK 1. EXISTING 10" LINE IN GUN CLUB ROAD IS "DRY" FROM VALVE #411 (NEAR COORS) TO THE WEST. THIS SYSTEM HAS BEEN CHLORINATED, PRESSURE TESTED, FLUSHED AND DRAINED IN 1990 2. PRIOR TO PRESSURIZING THE NEW LINES CONSTRUCTED UNDER THIS CONTRACT, THE CONTRACTOR SHALL THOROUGHLY
WATER SHUTOFF PLAN & RELATED WORK 1. EXISTING 10" LINE IN GUN CLUB ROAD IS "DRY" FROM VALVE #411 (NEAR COORS) TO THE WEST. THIS SYSTEM HAS BEEN CHLORINATED, PRESSURE TESTED, FLUSHED AND DRAINED IN 1990 2. PRIOR TO PRESSURIZING THE NEW LINES CONSTRUCTED UNDER THIS CONTRACT, THE CONTRACTOR SHALL THOROUGHLY
RELATED WORK 1. EXISTING 10" LINE IN GUN CLUB ROAD IS "DRY" FROM VALVE #411 (NEAR COORS) TO THE WEST. THIS SYSTEM HAS BEEN CHLORINATED, PRESSURE TESTED, FLUSHED AND DRAINED IN 1990 2. PRIOR TO PRESSURIZING THE NEW LINES CONSTRUCTED UNDER THIS CONTRACT, THE CONTRACTOR SHALL THOROUGHLY
VALVES #411 & #122. (KIRK LANE) WATER MAY BE DISPOSED
IN DETENTION POND LOCATED AT THE NORTHEAST CORNER OF GUN CLUB & PADILLA.
3. VALVE BOX COVER FOR VALVE #411 HAS BEEN TACK-WELDED CLOSED. CONTRACTOR TO REMOVE WELDS FOR ACCESS TO VALVE. 4. VALVES #122 & #124 TO BE CLOSED. CONTRACTOR SHALL TACK WELD VALVE BOX COVERS TO PREVENT UNAUTHORIZED ENTRY AFTER VALVE IS CLOSED.
5. CONTRACTOR SHALL NOTIFY WATER SYSTEMS DIVISION (857-8200) 3 WORKING DAYS PRIOR TO PRESSURIZING GUN CLUB ROAD LINE (BETWEEN VALVES #411 & #122).
6. VALVES MAY ONLY BE OPERATED BY CITY WATER SYSTEM CREWS.
7. CLOSE VALVES 'A' & #141 TO PRESSURE TEST NEW LINES.
8. ALL WORK DESCRIBED IN THESE NOTES IS INCIDENTAL TO NEW WATER LINE WORK COSTS & NO EXTRA PAYMENT SHALL BE MADE. CITY OF ALBUQUERQUE

ENGINEERING GROUP

Adobe Agree/Lakeview Waterlines

DATE APPROVALS

Waste Water

ENGINEER

SHEET 7 OF

410

DATE

Aller 1-24-92

DETAILS

ENGINEER

3494,9

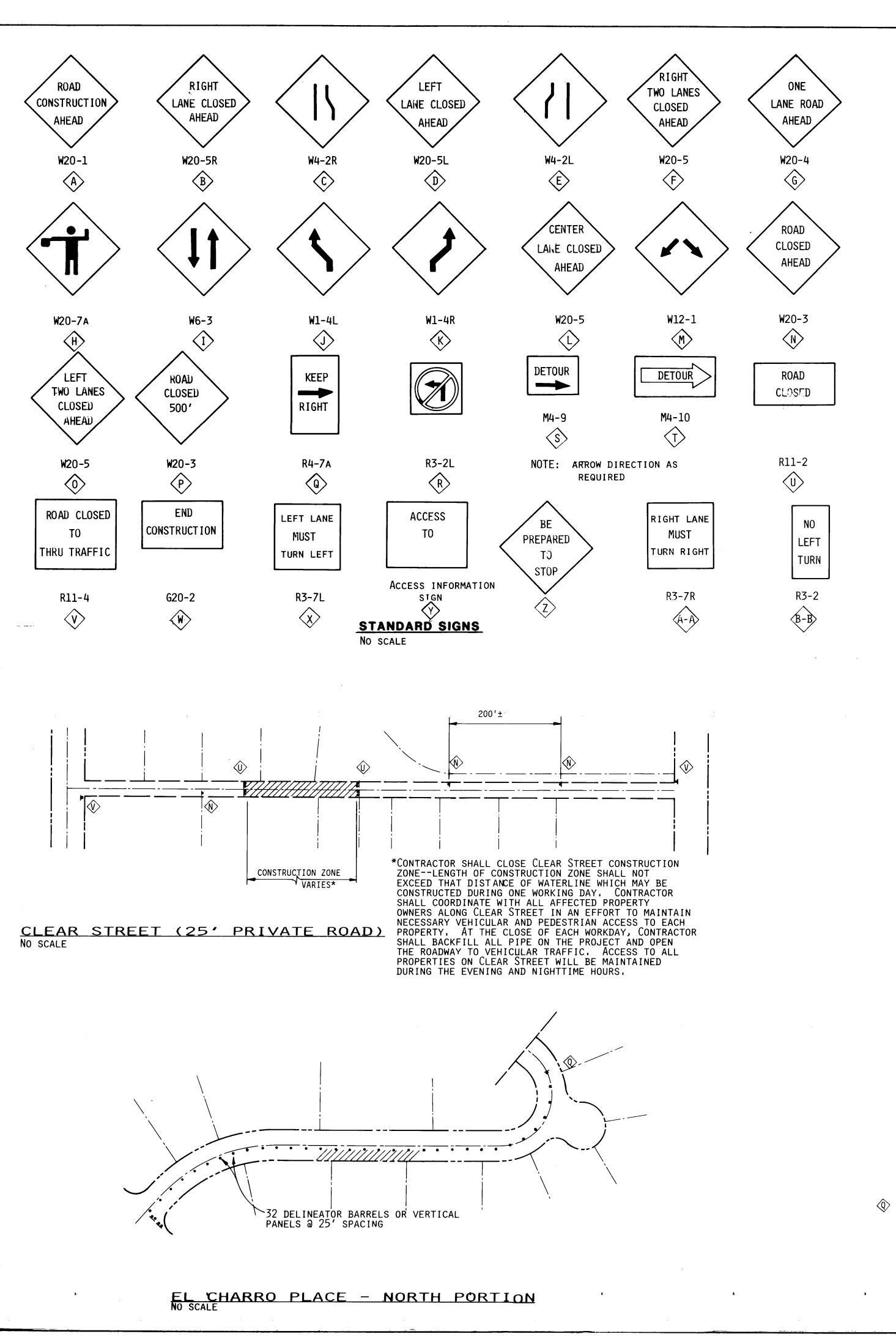
get from 2-4-92

APPROVALS

D.R.C. Chair

Trans. Dev.

Hydrology



TAPER REQUIREMENTS					
SPEED LIMIT (MPH)	TAI 10' LANE	PER LENG (FEET) 11' LANE	GTH 12' LANE	MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
25	104	115	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

NMSH & TD NOTES

1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.

LEGEND

WORK AREA

TRAFFIC SIGN & QUANTITY

(SEE THIS SHEET FOR DESIGNATION)

BARRICADE-TYPE I, TYPE II, OR BARREL

BARRICADE-TYPE III

OF THE STREET

VERTICAL PANEL

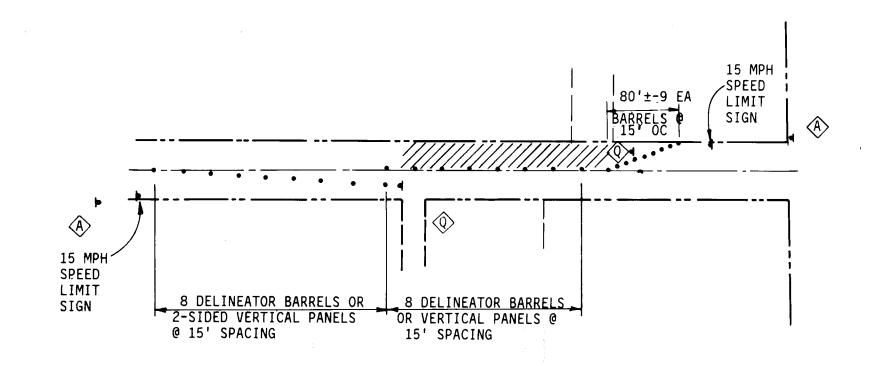
WARNING SIGN

DISTANCE BETWEEN SIGNS-A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET

SPACING BETWEEN BARRICADES-A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT

TAPER LENGTH-SEE CHART ABOVE

TANGENT LENGTH-IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET



LISA ROAD NO SCALE

RECORD DRAWING

This is part of a record document. Record documents are based on reports submitted by others. Engineers cannot assure nor assume any responsibility or liability for the accuracy of record documents. Users of record documents are cautioned and advised to obtain independent verification of actual conditions. 33 DELINEATOR BARRELS OR VERTICAL PANELS @ 25' SPACING 4 DELINEATOR BARRELS @ 10' SPACING

EL CHARRO PLACE' - EAST PORTION NO SCALE

G,	ENERAL NOTES
1.	CONTRACTOR SHALL ADHERE TO SECTION 19 OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION,

. ACCESS TO EACH PRIVATE RESIDENCE OR BUSINESS AFFECTED BY THE CON-STRUCTION OF THIS PROJECT SHALL BE MAINTAINED AT ALL TIMES.

3. CONTRACTOR'S HOURS OF OPERATION SHALL BE BETWEEN THE HOURS OF 8:30 AM AND 4:00 PM, SEVEN (7) DAYS A WEEK ON ALL COLLECTOR AND ARTERIAL

4. CONTRACTOR MUST MAINTAIN TWO WAY TRAFFIC ON COLLECTOR AND ARTERIAL ROADS.

DELETED.

6. DELETED.

WHEN CROSSING A PAVED STREET, CONTRACTOR MUST PROVIDE A TEMPORARY DETOUR WHILE ONLY TRAVERSING ONE LANE AT A TIME.

3. IF CONTRACTOR PLACES VEHICLE IN ROADWAY, VEHICLE WILL ONLY OCCUPY ONE LANE, BETWEEN THE HOURS OF 8:30 AM AND 4:00 PM FOR A MAXIMUM OF TWO (2) DAYS.

9. CONTRACTOR SHALL NOT OCCUPY ANY NON-SIGNALIZED INTERSECTION FOR MORE THAN THREE (3) DAYS.

10. DELETED.

11. ON ALL RESIDENTIAL STREETS, ONE LANE OF TRAFFIC MUST BE MAINTAINED AT ALL TIMES.

12. TYPICAL TRAFFIC CONTROL PLANS SHOWN ON THIS SHEET ARE SCHEMATIC. SATISFY SECTION 19 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND THE FIELD CONDITION PRESENT AT THE PROJECT SITES, AND SHALL BE SUBMITTED TO BERNALILLO COUNTY
PUBLIC WORKS FOR APPROVAL PRIOR TO
CONSTRUCTION.

13. CONTRACTOR SHALL OBTAIN NECESSARY
BARRICADE PERMIT FROM BERNALILLO
COUNTY PUBLIC WORKS DEPARTMENT.

26 3494.910893 **ENGINEER** APPROVALS

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

TITLE: Adobe Acres / Lakeview Waterlines TRAFFIC CONTROL PLAN

APPROVALS Rach Xua 2-4-92 D.R.C. Chair Trans. Dev. Allka Utility Dev. 1-24.52 O OF **DRAWING** SHEET MAP NO. 3494.91 0