

# LEGEND

## MATERIALS

CONCRETE  
RIP-RAP

## LINES

SUBDIVISION BOUNDARY  
PROPERTY LINE (PLAN)  
PROPERTY LINE (SECTION)  
CENTERLINE  
EASEMENT LINE  
MATCH LINE  
SECTION CUT LINE

## EARTHWORK

CONTOUR LINE  
SPOT ELEVATION  
PROJECT / PHASE BOUNDARY  
SWALE  
DIRECTION OF FLOW

## MISCELLANEOUS UTILITIES

GAS LINE  
UNDERGROUND TELEPHONE  
UNDERGROUND ELECTRICAL  
STORM DRAIN  
STORM DRAIN MANHOLE  
STORM DRAIN INLET

## SANITARY SEWER

SANITARY SEWER LINE  
SANITARY SEWER MANHOLE  
SAS SERVICE CONNECTIONS  
SAS CAP OR PLUG  
ENCASEMENT

## WATER

WATER LINE  
WATER SERVICE CONNECTIONS  
GATE VALVE  
FIRE HYDRANT  
BUTTERFLY VALVE  
REDUCER  
WATER PRESSURE ZONE BOUNDARY

## WATER FITTINGS

CAPS AND PLUGS  
ELBOW  
CROSS  
TEE

## MISCELLANEOUS

CHAINLINK FENCE  
FIELD FENCE  
COMMON YARD WALL  
RETAINING WALL  
POWER OR TELEPHONE POLE

## RECORD DRAWING

# CONSTRUCTION PLANS FOR ALYSSE PLACE ALBUQUERQUE, NEW MEXICO AUGUST, 1989

## INDEX OF DRAWINGS

- COVER SHEET, INDEX OF DRAWINGS, GENERAL NOTES, LEGEND & VICINITY MAP
- SUBDIVISION PLAT
- GRADING PLAN
- DETAILS, SECTIONS AND STORM DRAINAGE IMPROVEMENTS
- PAVING IMPROVEMENTS - ABBY JEAN PLACE N.W.
- WATER & SANITARY SEWER SITE PLAN
- WATER & SANITARY SEWER EXTENSIONS PLAN & PROFILE
- DON QUIXOTE DRIVE N.W. STA 10+00 TO STA 16+41.07
- ABBY JEAN PLACE N.W. STA 10+00 TO STA 13+85.38
- WATER VALVE SHUTOFF PLAN / TRAFFIC CONTROL PLAN

## RECORD DRAWING

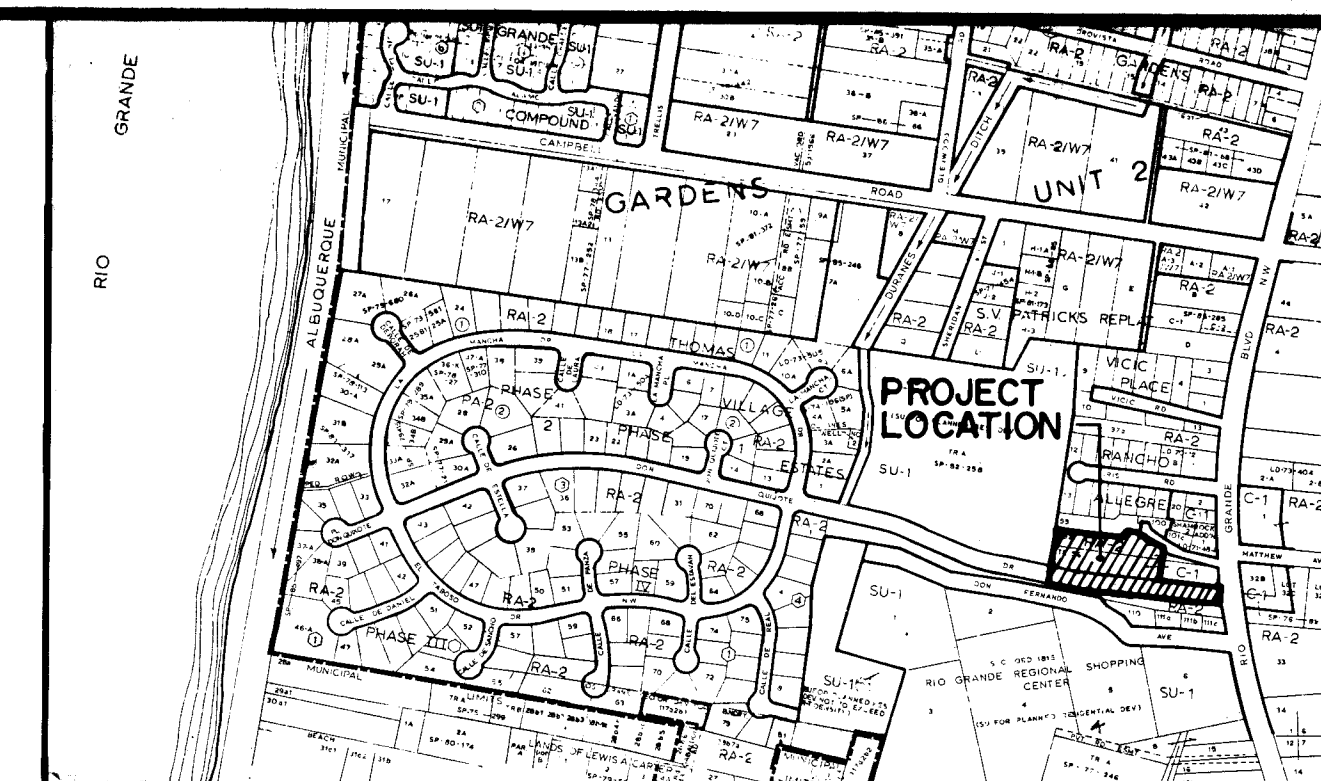
I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen, Registered Professional Engineer  
NMPE NO. 8547  
Date 11-16-89

APPROVAL OF AS-BUILT  
CHIEF CONSTRUCTION ENGINEER  
DATE 11/16/89

SCANNED BY  
BY LASON

JOB No. 890381



VICINITY MAP  
SCALE: 1" = 800'

G-12

## GENERAL NOTES:

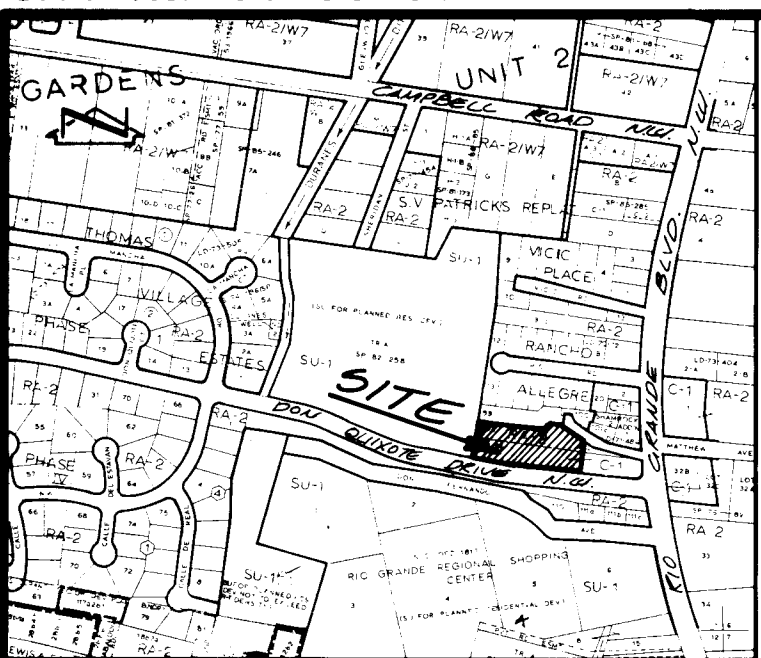
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS - PUBLIC WORKS CONSTRUCTION - 1986.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND 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, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- CONTRACTOR SHALL COMPLY WITH SECTION 19 OF THE "STANDARD SPECIFICATIONS".
- 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 DURING CONSTRUCTION BY THE PROJECT 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 OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN TWO (2) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES.

26 39110190

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	43-9						

## APPROVAL OF REVISIONS

		APPROVED FOR CONSTRUCTION 11-16-89 C.E.
	# 3911	SHEET 1 OF 9

VICINITY MAP G-12  
SCALE: 1" = 800'

## Notes:

1. A field survey was performed on May 12, 1989; property corners were found or set as shown.
2. 0.06 mi. full-width street mileage created.
3. All distances are ground distances.
4. Site located within Section 01, T10N, R2E, N.M.P.M.
5. Bearing base is plat of "Tracts 1 & 2, Thomas Village - Phase VI," filed October 6, 1988, Book C37, Page 118.
6. The purpose of this plat is to create 10 parcels of land from tract 1. Grant easements and dedicate public right-of-way as shown.
7. To achieve grid bearings rotate plat bearings 00°00'43" counter clockwise.
8. Lot 10, Alysse Place, will be owned by the Alysse Place Homeowners Association. The landscaping within Lot 10 shall be maintained by said Homeowners Association. Lot 10 shall also be granted to the City of Albuquerque as a public drainage easement by this plat. Maintenance of the storm drainage facilities shall be the responsibility of the City of Albuquerque.

Public Utility easements shown on this plat are ten (10) feet wide and are granted for the common and joint use of:

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

Included is the right of ingress and egress for the construction and maintenance and the right to trim interfering trees and shrubs. Also included is the right to install and maintain service lines.

PLAT OF  
LOTS 1 - 10,  
ALYSSE PLACE  
ALBUQUERQUE, NEW MEXICO  
AUGUST, 1989

## DESCRIPTION

A certain tract of land located within the Corporate Limits of the City of Albuquerque, New Mexico, comprising Tract 1, Thomas Village Phase VI, as shown on the Plat filed in the Office of the County Clerk of Bernalillo County, New Mexico, on October 6, 1988, Book C37, Page 118, and being more particularly described as follows:

Beginning at the southwest corner of the parcel herein described, being the southwest corner of said Tract 1, also being the southeast corner of said Tract A, and also being a point on the north right-of-way line of Don Quixote Drive N.W.; thence N 04°57'08" E a distance of 174.29 feet; thence S 80°46'01" E a distance of 261.65 feet; thence S 14°31'43" W a distance of 74.68 feet; thence S 80°24'19" E a distance of 90.00 feet; thence S 09°35'41" W a distance of 120.29 feet to a point on the north right-of-way line of Don Quixote Drive N.W.; thence N 82°31'31" W a distance of 125.16 feet along said right-of-way line; thence along the arc of a curve to the right with DELTA = 05°15'44", R = 1060.05 feet and L = 97.36 feet along said right-of-way line; thence N 77°15'47" W a distance of 185.34 feet along said right-of-way line to the point of beginning and containing 1.6393 acres more or less.



JEFF MORTENSEN & ASSOCIATES, INC.  
811 DALLAS, N.E. ALBUQUERQUE, NM 87110  
ENGINEERS TELEPHONE (505) 265-5611  
J.M.A. No. 890381

## DEDICATION &amp; FREE CONSENT

The undersigned owners of the land shown hereon do hereby consent to the subdivision of said land in the manner shown on this plat and do hereby dedicate the public street right-of-way and grant the easements shown hereon including the rights of ingress and egress and the right to trim interfering trees.

TIM A. BRENNAN 8/16/89  
DATE

## ACKNOWLEDGEMENT

STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO )



OFFICIAL SEAL  
CHARLES C. CALA, JR.  
NOTARY PUBLIC, STATE OF NEW MEXICO  
My Commission Expires 5-6-93

The foregoing instrument was acknowledged before me this  
16th day of August, 1989

Charles C. Cala, Jr.  
Notary Public

## APPROVALS:

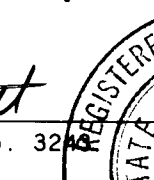
Planning Director, City of Albuquerque, N.M. Date \_\_\_\_\_  
Water Resources, City of Albuquerque, N.M. Date \_\_\_\_\_  
City Engineer, City of Albuquerque Date \_\_\_\_\_  
A.M.A.F.C.A., City of Albuquerque Date \_\_\_\_\_  
Traffic Engineer, City of Albuquerque, N.M. Date \_\_\_\_\_  
Parks and Recreation, City of Albuquerque, N.M. Date \_\_\_\_\_  
Chief City Surveyor, City of Albuquerque, N.M. Date \_\_\_\_\_  
Property Manager, City of Albuquerque, N.M. Date \_\_\_\_\_  
Public Service Company of New Mexico Date \_\_\_\_\_  
Gas Company of New Mexico Date \_\_\_\_\_  
U.S. West Direct Date \_\_\_\_\_  
Jones Intercable Inc. Date \_\_\_\_\_

## CERTIFICATION

I, William P. Pettit, a registered Professional Surveyor under the laws of the State of New Mexico, do hereby certify that this plat was prepared by me or under my supervision; shows all easements noted in a title report prepared by \_\_\_\_\_ on \_\_\_\_\_; meets the minimum requirements of monumentation and surveys of the Albuquerque Subdivision Ordinance, and is true and correct to the best of my knowledge and belief.

William P. Pettit  
ACKNOWLEDGEMENT

STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO )

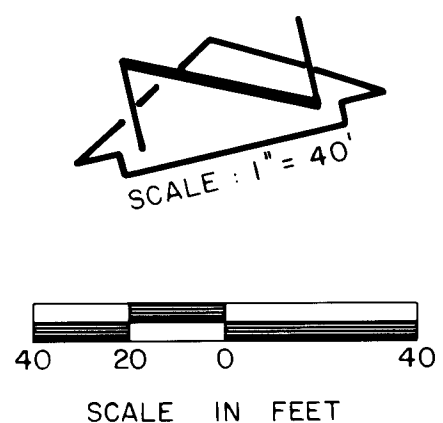


OFFICIAL SEAL  
CHARLES C. CALA, JR.  
NOTARY PUBLIC, STATE OF NEW MEXICO  
My Commission Expires 5-6-93

The foregoing instrument was acknowledged before me on this  
16th day of August, 1989  
Charles C. Cala, Jr.  
Notary Public

SHEET 1 OF 2

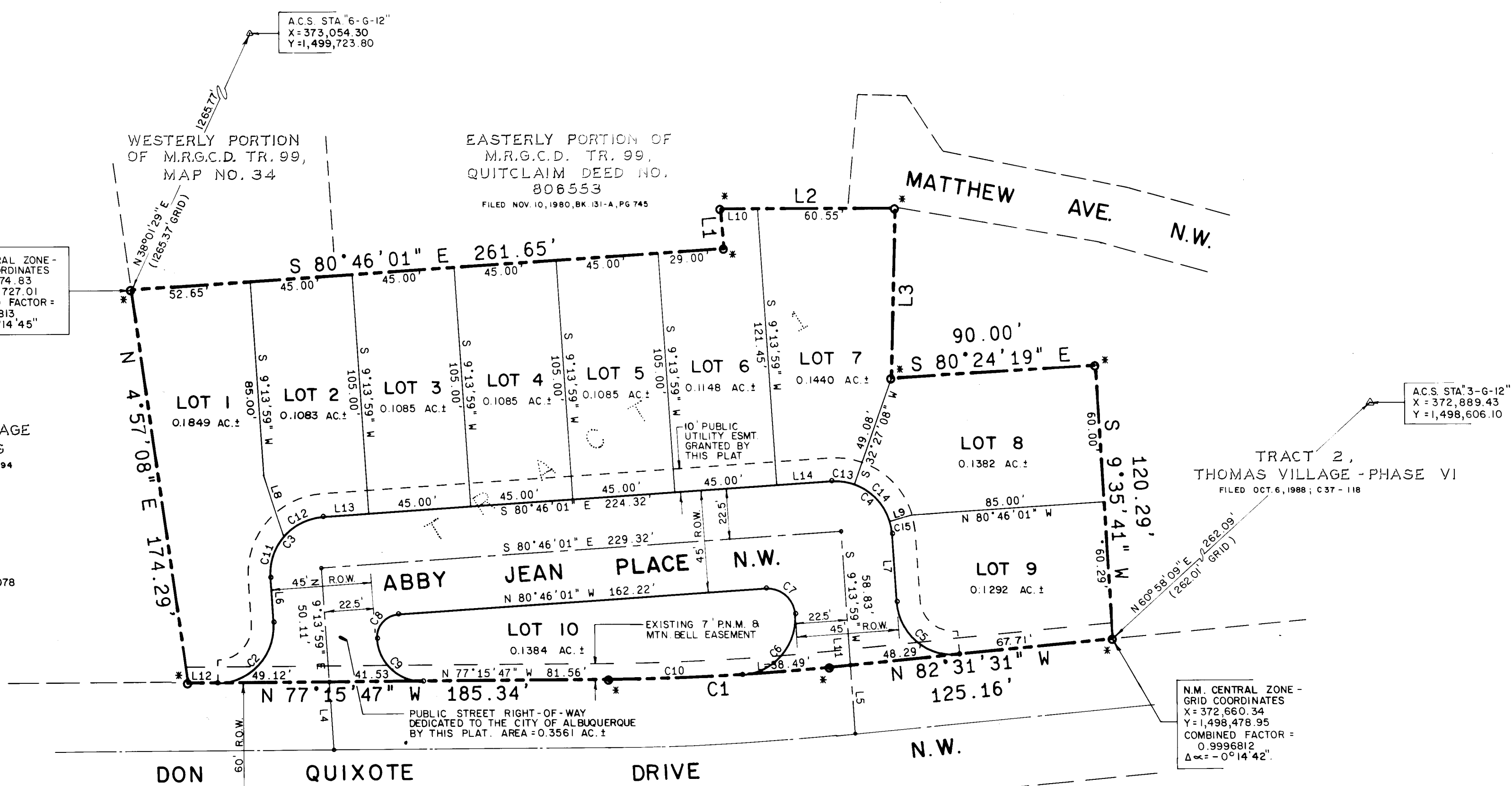
PLAT OF  
LOTS 1 - 10,  
ALYSSE PLACE  
ALBUQUERQUE, NEW MEXICO  
AUGUST, 1989



THOMAS VILLAGE  
PATIO HOMES  
FILED OCT. 27, 1983; C22-94

NOTE: \* = FOUND CORNER MARKED  
WITH CAP STAMPED L.S.4078

N.M. CENTRAL ZONE -  
GRID COORDINATES  
X = 372,676.83  
Y = 1,498,727.01  
COMBINED FACTOR =  
0.9996812  
Δα = -0°14'45"



LINE	BEARINGS	DISTANCE
L1	N 8°08'28" E	17.54
L2	S 76°58'09" E	76.92
L3	S 14°31'43" W	74.68
L4	N 9°13'59" E	30.06
L5	S 9°13'59" W	30.01
L6	N 9°13'59" E	19.65
L7	S 9°13'59" W	29.86
L8	S 5°46'10" E	28.29
L9	S 86°42'33" W	9.65
L10	S 76°58'09" E	16.37
L11	N 82°31'31" W	9.16
L12	N 77°15'47" W	13.14
L13	S 80°46'01" E	20.00
L14	S 80°46'01" E	24.32

CURVE	ARC	DELTA	RADIUS	CHORD LENGTH	CHORD BEARING	TAN LENGTH
C1	97.36	5°15'44"	1060.05	97.32	N 79°53'39" W	48.71
C2	40.80	93°30'14"	25.00	36.42	N 55°59'06" E	26.58
C3	39.27	90°00'00"	25.00	35.36	N 54°13'59" E	25.00
C4	39.27	90°00'00"	25.00	35.36	S 35°46'01" E	25.00
C5	40.04	91°45'30"	25.00	35.89	S 36°38'46" E	25.78
C6	33.41	90°19'20"	25.00	35.45	N 54°23'39" E	25.14
C7	19.00	90°00'00"	12.10	17.11	N 35°46'01" W	12.10
C8	15.71	90°00'00"	10.00	14.14	S 54°13'59" W	10.00
C9	30.47	86°29'46"	20.18	27.66	S 34°00'54" E	18.99
C10	58.86	3°10'54"	1060.05	58.86	N 78°51'14" W	29.44
C11	19.63	45°00'00"	25.00	19.13	N 31°43'59" E	10.36
C12	19.63	45°00'00"	25.00	19.13	N 76°43'59" E	10.36
C13	23.67	23°13'09"	25.00	10.06	S 69°09'26" E	5.14
C14	23.67	54°15'25"	25.00	22.80	S 30°25'09" E	12.81
C15	5.46	12°31'26"	25.00	5.45	S 2°58'16" W	2.74



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J.M.A. No. 890381

SHEET 2 OF 2



DRAINAGE PLAN

The following items concerning the Alysse Place Drainage Plan are included with this submittal:

1. Vicinity Map
2. Grading Plan
3. Calculations
4. Details

As shown by the Vicinity Map, the site is located on the north side of Don Quixote Drive N.W. just west of its intersection with Rio Grande Boulevard N.W. At present, the site is undeveloped with adjacent properties being developed both residentially and commercially. Based upon the nature of the surrounding development, this is an infill site.

Review of Panel 22 of the National Flood Insurance Program Floodway Boundary and Floodway Maps for the City of Albuquerque, New Mexico, indicates that this site does not lie within a designated 100-year flood zone. The site does, however, lie within a 500-year flood zone. This site is extremely flat, has no predominant trend in drainage. Adjacent parcels appear to have been "built up" due to the fact that this is previously cultivated land. Offsite flows are not anticipated from the adjacent lots due to the fact that it appears that the development of those lands has directed runoff away from the project site. Don Quixote Drive N.W. has no hydraulic capacity, therefore, it is questionable as to whether or not street runoff will be conveyed by the street to the property.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1'0" intervals, 2) the limit and character of the existing improvements, 3) the limit and character of the proposed improvements, and 4) continuity between existing and proposed grades. As shown by this plan, the proposed improvements consist of the construction of a new public roadway along with nine residential lots. The public roadway will be constructed by City Work Order along with the drainage improvements shown on this plan. This plan calls for the free discharge of runoff from the residential lots onto Abby Jean Loop N.W. From this point, the majority of the runoff will drain via the street to a proposed opening in the curb which drains onto a rip-rap apron. The runoff then enters a detention pond within Tract A. Runoff will be detained within Tract A and released via a 12" RCP public storm drain to the existing 18" public storm drain which lies within Don Quixote Drive N.W. The existing 18" public storm drain line has questionable capacity, therefore, detention ponding is being utilized in the event that the existing 18" line has insufficient capacity for the free discharge of runoff from Tract A. Tract A will be held in common ownership by the Homeowners Association and will be granted as a public drainage easement and shall serve as described above. It should be emphasized that Tract A will be landscaped and maintained by the Homeowners Association.

The Calculations which appear hereon analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Rational Method has been used to calculate the peak rate of discharge from the site while the SCS Method has been used to quantify the volume of runoff generated. Both Methods have been used in accordance with the City of Albuquerque Development Process Manual, Volume II, coupled with the Mayor's Emergency Rule adopted January 14, 1986. As shown by these calculations, the proposed development will result in a minor increase in runoff. The calculations also estimate the volume of ponding provided which is approximately equal to the 100-year runoff volume under fully developed conditions. Due to the fact that this is a detention pond and not a retention pond, the volume of ponding provided is adequate.

CALCULATIONS

Ground Cover Information

From SCS Bernalillo County Soil Survey,  
Plate 20: Ge - Gila Clay Loam  
Hydrologic Soil Group: B  
Existing Pervious CN = 70 (DPM Plate 22.2 C-2  
Pasture or Range Land: fair condition)  
Developed Pervious CN = 61 (DPM Plate 22.2 C-2  
Open Space: good condition)

Time of Concentration/Time to Peak

$T_C = 0.0078 L^{0.77}/s^{0.385}$  (Kirpich Equation)

$T_p = T_C = 10$  min.

Point Rainfall

$P_6 = 2.2$  in. (DPM Plate 22.2 D-1)

Rational Method

Discharge:  $Q = CIA$

where C varies

$i = P_6 (6.84) T_C^{-0.51} = 4.65$  in/hr

$P_6 = 2.2$  in (DPM Plate 22.2D-1)

$T_C = 10$  min (minimum)

A = area, acres

SCS Method

Volume:  $V = 3630(DRO)A$

Where DRO = Direct runoff in inches

A = area, acres

Existing Condition

Atotal = 71,410 sf = 1.64 Ac  
 $C = 0.40$  (Weighted average per Emergency Rule, 1/14/86)  
 $Q_{100} = CIA = 0.40(4.65)(1.64) = 3.1$  cfs  
% impervious = 0 %  
Composite CN = 70 (DPM Plate 22.2 C-3)  
DRO = 0.37 in (DPM Plate 22.2 C-4)  
 $V_{100} = 3630 (DRO)A = 2200$  cf

Developed Condition

Atotal = 71,410 sf = 1.64 Ac  
Roof area = 18,200 sf (0.25)  
Paved area = 18,700 sf (0.26)  
Landscaped area = 34,510 sf (0.49)  
 $C = 0.60$  (Weighted average per Emergency Rule, 1/14/86)  
 $Q_{100} = CIA = 0.60(4.65)(1.64) = 4.6$  cfs  
Aimp = 36,900 sf; % impervious = 51 %  
Composite CN = 80 (DPM Plate 22.2 C-3)  
DRO = 0.68 in (DPM Plate 22.2 C-4)  
 $V_{100} = 3630 (DRO)A = 4050$  cf

$V_{pond} = 1/2[(A_{62} \cdot A_{62})(63-62) + (A_{63} \cdot A_{63.4})(63.4-63.0)]$   
 $= 1/2[(1200+3400)(1) + (3400+4500)(0.4)]$   
 $= 1/2(4600+3160)$   
 $= 3880$  CF  $\approx V_{100}$

Comparison

$\Delta Q_{100} = 4.6 - 3.1 = 1.5$  cfs (increase)  
 $\Delta V_{100} = 4050 - 2200 = 1850$  cf (increase)

Orifice Capacity

$Q = CA\sqrt{2gh}$

C = 0.8

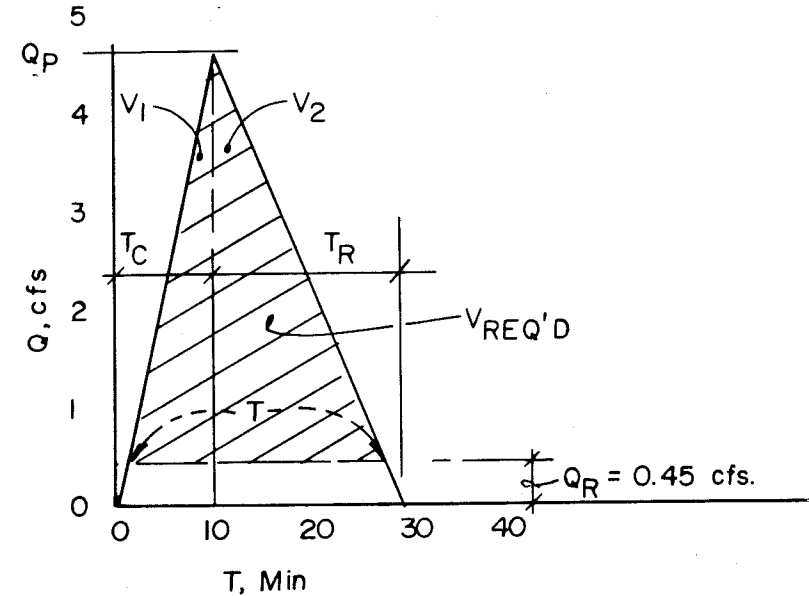
g = 32.2 ft/sec<sup>2</sup>

h = (63.4 - 60.60) = 2.8

$Q = 0.8(0.0873) \sqrt{2(32.2)(2.8)}$

= 0.45 cfs

Hydrograph Analysis



$V_1 = 1/2(T_p)(Q_p) (60 \text{ sec/min})$   
 $V_1 = 1/2(10)(4.6) (60) = 1380$  cf  
 $V_2 = V_{100} - V_1 = 4050 - 1380$   
 $V_2 = 2670$  cf  
 $T_R = 2V_2/(Q_p) (60)$   
 $T_R = 2(2670)/(4.6) (60) = 19$  min.

$V_{req'd} = 1/2(T)(Q_p - Q_R) (60)$   
 $= 1/2(26.5) (4.6 - 0.45) (60)$   
 $= 3300$  cf  $< V_{pond}$

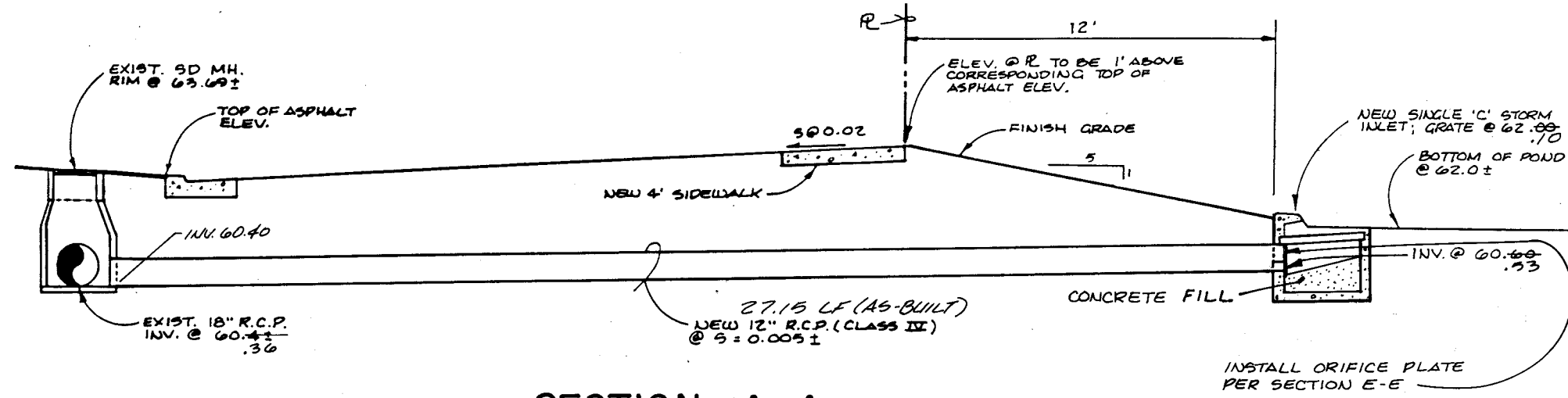
Detention Time

$Q_R = 0.45$  cfs

Let  $Q_d = Q_R/2 = 0.2$  cfs

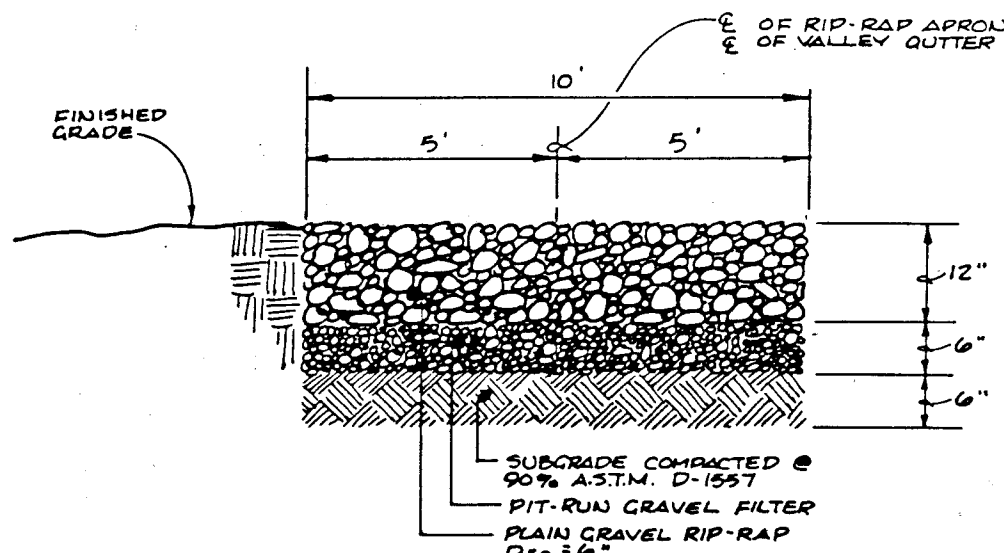
$T_D = V_{100}/Q_d = 4050/0.2 = 20,250$  sec

$T_D = 5.6$  hrs



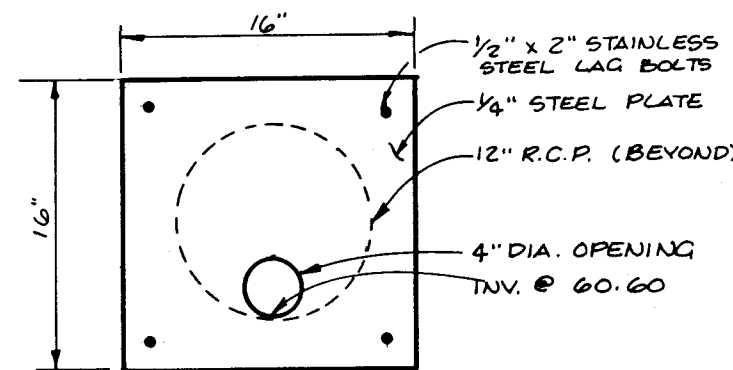
SECTION A-A

SCALE: 1" = 5'



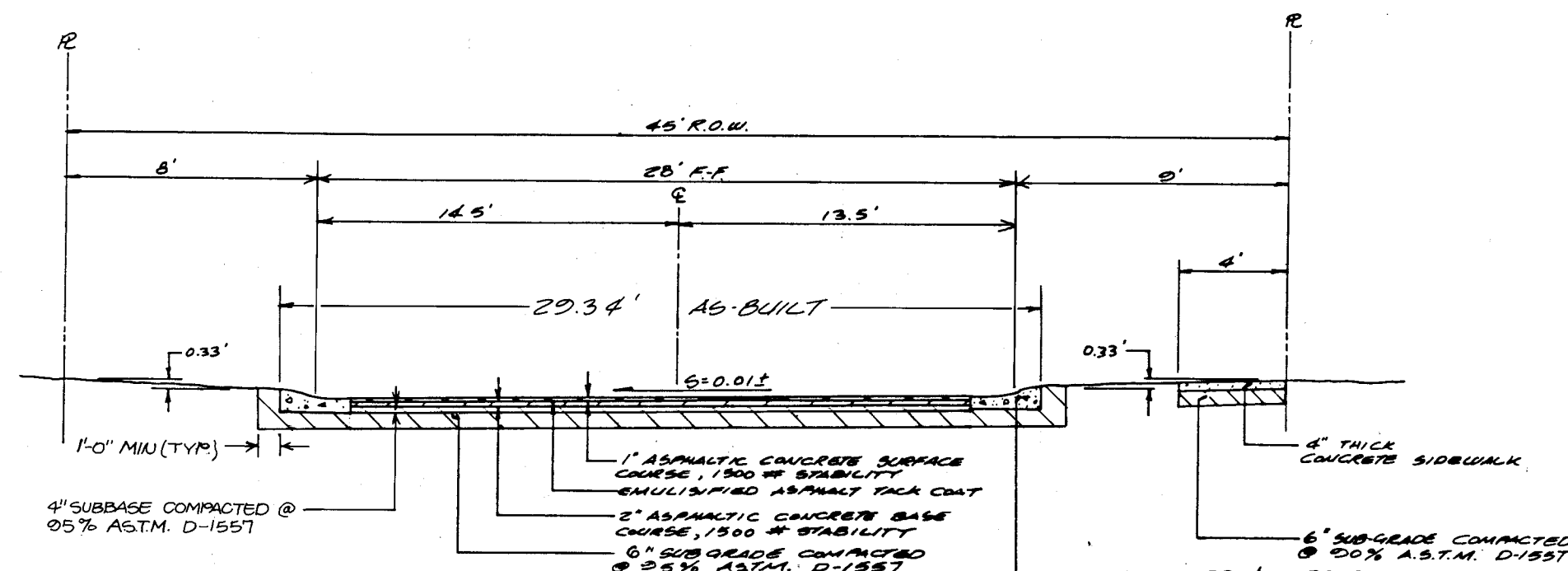
SECTION B-B

SCALE: 1" = 4' HORIZONTAL  
1" = 2' VERTICAL



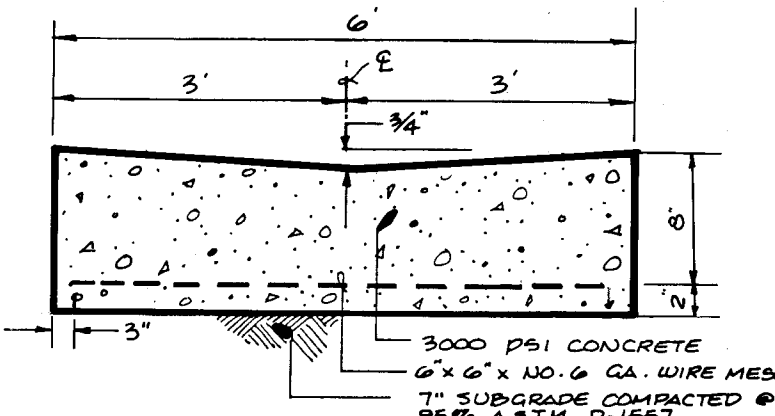
SECTION E-E

SCALE: 1" = 1'



SECTION C-C

SCALE: 1" = 6'



SECTION D-D


SCALE: 1" = 2' HORIZONTAL  
1" = 1' VERTICAL

26 39 11 04 90

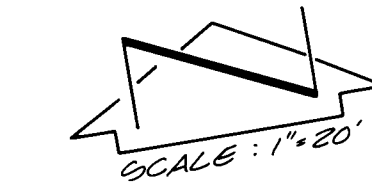
GRADING & DRAINAGE  
SHEET 2 OF 2

SCANNED BY  
BY LASON

J.M.A. JOB NO. 890381

ENGINEER'S SEAL			SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
<div> <i>[Signature]</i> 09-12-89 07-14-89</div>			FIELD NOTES		A.C.B. STATION 9+412, A STANDARD CROSS TABLE STAMPED "9+412" SET IN TOP OF A CONCRETE POST PROJECTING .2'.  ABOVE GROUND. THE STATION IS LOCATED AT THE INTERSECTION OF MATTHEW AVE. N.W. & RIO GRANDE BLVD. N.W. AT A POINT ON THE PROJECTED CENTERLINE OF MATTHEW AVE. 1.5' WEST OF THE WESTERN CURB OF RIO GRANDE BLVD.  ELEVATION = 496.3, 22 FEET (M.S.L.D.)		CONTRACTOR <i>Sundance Mechanical</i>	
			NO. BY DATE				WORK BY <i>J.V.A.</i> DATE <i>02-90</i>	
			REMARKS				INSPECTORS ACCEPTANCE BY <i>C.V.M.</i> DATE <i>02-90</i>	
			BY				FIELD LOCATION BY <i>J.G.M.</i> DATE <i>03-90</i>	
REVISIONS							DRAWINGS CORRECTED BY <i>J.V.A.</i> DATE <i>03-90</i>	
DESIGN							MICRO-FILM INFORMATION	
DESIGNED BY	J.G.M.	DATE	8 - 89				RECORDED BY	
DRAWN BY	S.G.H.	DATE	8 - 89				DATE	
CHECKED BY	J.G.M.	DATE	8 - 89				NO	

LINE	BEARING	DISTANCE
L1	N 8°08'28" E	17.54



SCALE IN FEET  
20 10 0 10 20

### PROJECT BENCHMARK

ACE STATION 3+91.2, A STANDARD BRASS TABLET, STATION "3+91.2" SET IN TOP OF A CONCRETE POST PROJECTING 2' ABOVE GROUND. THE STATION IS LOCATED AT THE INTERSECTION OF MATTHEW AVE. N.W. & RIO GRANDE BLVD. N.W. AT A POINT ON THE PROJECTED CENTERLINE OF MATTHEW AVE. 15' WEST OF THE WESTERN CORNER OF RIO GRANDE BLVD. ELEVATION = 4963.22 FEET (M.S.L.D.)

### TEMPORARY BENCHMARK

STORM DRAIN MANHOLE RIM LOCATED NEAR THE SOUTH EAST PROPERTY CORNER AS SHOWN ON THE DRAWING BELOW. ELEVATION = 4963.34 FEET (M.S.L.D.)

### LEGAL DESCRIPTION

TRACT 1, THOMAS VILLAGE II, ALBUQUERQUE, NEW MEXICO

### LEGEND

- - - - - EXISTING CONTOUR
- 63.0 EXIST SPOT ELEVATION
- - - - - PROPOSED CONTOUR
- 63.0 PROPOSED SPOT ELEVATION
- ▨ PROPOSED CONCRETE
- ▨ PROPOSED ASPHALT



VICINITY MAP

SCALE = 1" = 800'

G-12

### Construction Notes:

- Two (2) working days prior to any excavation, contractor must contact line locating service, 765-1234, for location of existing utilities.
- Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all potential obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning safety and health.
- All construction within public right-of-way shall be performed in accordance with applicable City of Albuquerque Standards and Procedures.
- If any utility lines, pipelines, or underground utility lines are shown on these drawings, they are shown in an approximate manner only, and such lines may exist where none are shown. If any such existing lines are shown, the location is based upon information provided by the owner of said utility, 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 utility lines, pipelines, or 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, pipeline, or underground 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, pipelines, and underground utility lines. In planning and conducting excavation, the contractor shall comply with state statutes, municipal and local ordinances, rules and regulations, if any, pertaining to the location of these lines and facilities.

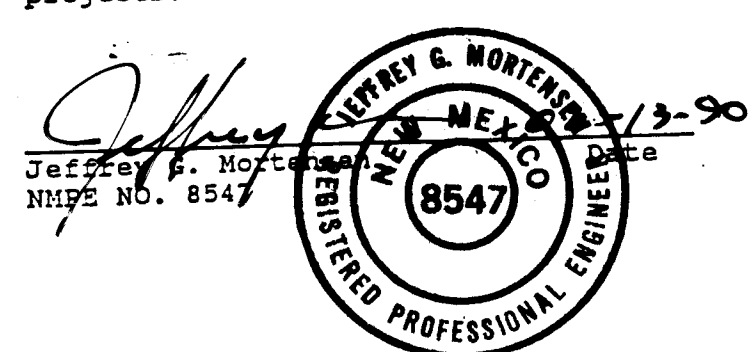
### Erosion Control Measures

- The contractor shall ensure that no soil erodes from the site into public right-of-way or onto private property. This can be achieved by constructing temporary berms at the property lines and wetting the soil to keep it from blowing.
- The contractor shall promptly clean up any material excavated within the public right-of-way so that the excavated material is not susceptible to being washed down the street.
- The contractor shall secure "topsoil disturbance permit" prior to beginning construction.

### RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

NOTE: HOUSES, SIDEWALKS, & DRIVEPADS NOT PART OF THIS CONTRACT & WILL BE CONSTRUCTED BY SEPARATE PERMIT.



07-14-89  
09-12-89

1 2 3 4 5 6 7 8 9 10 11 12  
26 39 11 03 910

APPROVAL FOR ROUGH GRADING

*S. S. S. S. S.* P.E. 9/20/89  
C.E. HYDROLOGY SECTION DATE



JEFF MORTENSEN & ASSOCIATES, INC.  
811 DALLAS, N.E. ALBUQUERQUE, NM 87110  
ENGINEERS & TELEPHONE (505) 265-5611

GRADING PLAN  
ALYSSE PLACE

SCANNED BY  
BY LASON

SHEET 3 OF 9  
# 3911





NOTE : HOUSES , SIDEWALKS , & DRIVEPADS  
NOT PART OF THIS CONTRACT &  
WILL BE CONSTRUCTED BY SEPARATE  
PERMIT .

LINE	BEARING	DISTANCE
L1	N 9°13'59" E	19.65
L2	S 5°46'10" E	<b>28.29</b>
L3	S 86°42'33" W	9.65
L4	N 82°31'31" W	9.16

NOTE : HOUSES , SIDEWALKS , & DRIVEPADS  
NOT PART OF THIS CONTRACT &  
WILL BE CONSTRUCTED BY SEPARATE  
PERMIT .


RECORD DRAWING

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Jeffrey G. Mortensen 2-13-90  
 Jeffrey G. Mortensen State  
 NTEE NO. 8547



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

TITLE:                   ALYSSE PLACE  
PAVING IMPROVEMENTS - ABBY JEAN PLACE N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Robert A. Shaw</i>	10-3-89			
Trans. Dev.	<i>RAWO</i>	9-20-89			
Utility Dev.	<i>NA RWK</i>	8-20-89			
<i>Hydrology</i>	<i>NA SSK</i>	9/20/89			

DRAWING NO.

**3911**

MAP NO.

**6-12**

SHEET OF

**5 9**

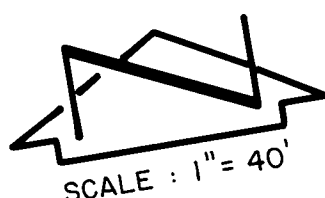
SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	FIELD NOTES		CONTRACTOR'S STANDARD MECHANICAL WORK	
					JMA INC	JMA INC
				THE STATION MARK IS A TOP OF A CONCRETE TABLET, STAMPED "3-G12", SET IN STANDARD OF A CONCRETE POST PROJECTING 0.20 FT. ABOVE GROUND. THE STATION IS LOCATED 2.7 MILES NORTH OF DOWNTOWN ALBUQUERQUE AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND MATTHEW AVE. N.W.	INSPECTOR'S FIELD NAME: BY CIVM7	DATE 02-00
				ELEVATION .4963±22 ft. (MS.L.D.)	VERIFICATION BY JCM	DATE 02-90
					CORRECTED BY JCM	DATE 02-90
					RECORDED BY	DATE
					NO	

									ENGINEER'S SEAL
/	02-90	A/S-BUILT	JGM						
NO.	DATE	REMARKS	BY						
REVISONS									
DESIGN									
DESIGNED BY	J.G.M.	DATE	B - 1989						
DRAWN BY	J.M.A.	DATE	B - 1989						

RQUE  
 RTMENT  
 ROUP

JEAN PLACE N.W.

NOV	ENGINEER	DATE
SHEET	OF	
5	9	



CURVE	ARC	DELTA	RADIUS	CHORD LENGTH	CHORD BEARING	TAN LENGTH
C1	97.36	5°15' 44"	1060.05	97.32	N 79°53' 39" W	48.71

1	2	3	4	5	6	7	8	9	10	11
26	39	11	06	90						

SCANNED BY  
BY LASON

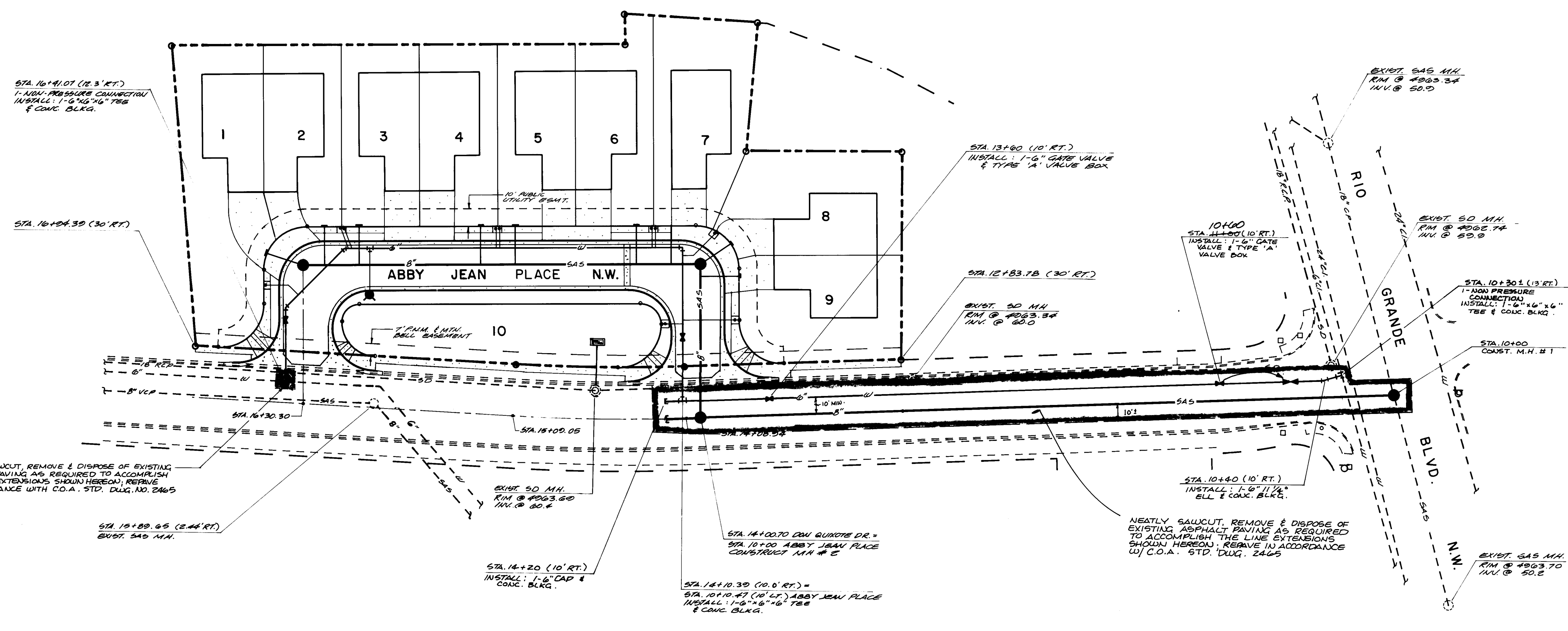
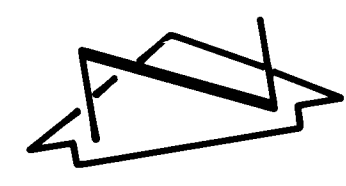
JOB No. 890381

*Jeffrey*  
Jeffrey G. Mortensen  
NAEP NO. 8547

JEFFREY G. MORTENSEN  
NEW MEXICO  
8547  
REGISTERED PROFESSIONAL ENGINEER

APPROVALS		ENGINEER	DATE	APPROVALS		ENGINEER	DATE
D.R.C. Chair		<i>[Signature]</i>	10-3-99				
Trans. Dev		<i>RWD</i>	9-20-99				
Utility Dev		<i>Robert Korne</i>	9-20-99				
<i>HYDROCON</i>		<i>NA GEL</i>	<i>9/21/99</i>				
DRAWING NO. 3911			MAP NO. G-12		SHEET 6 OF 9		



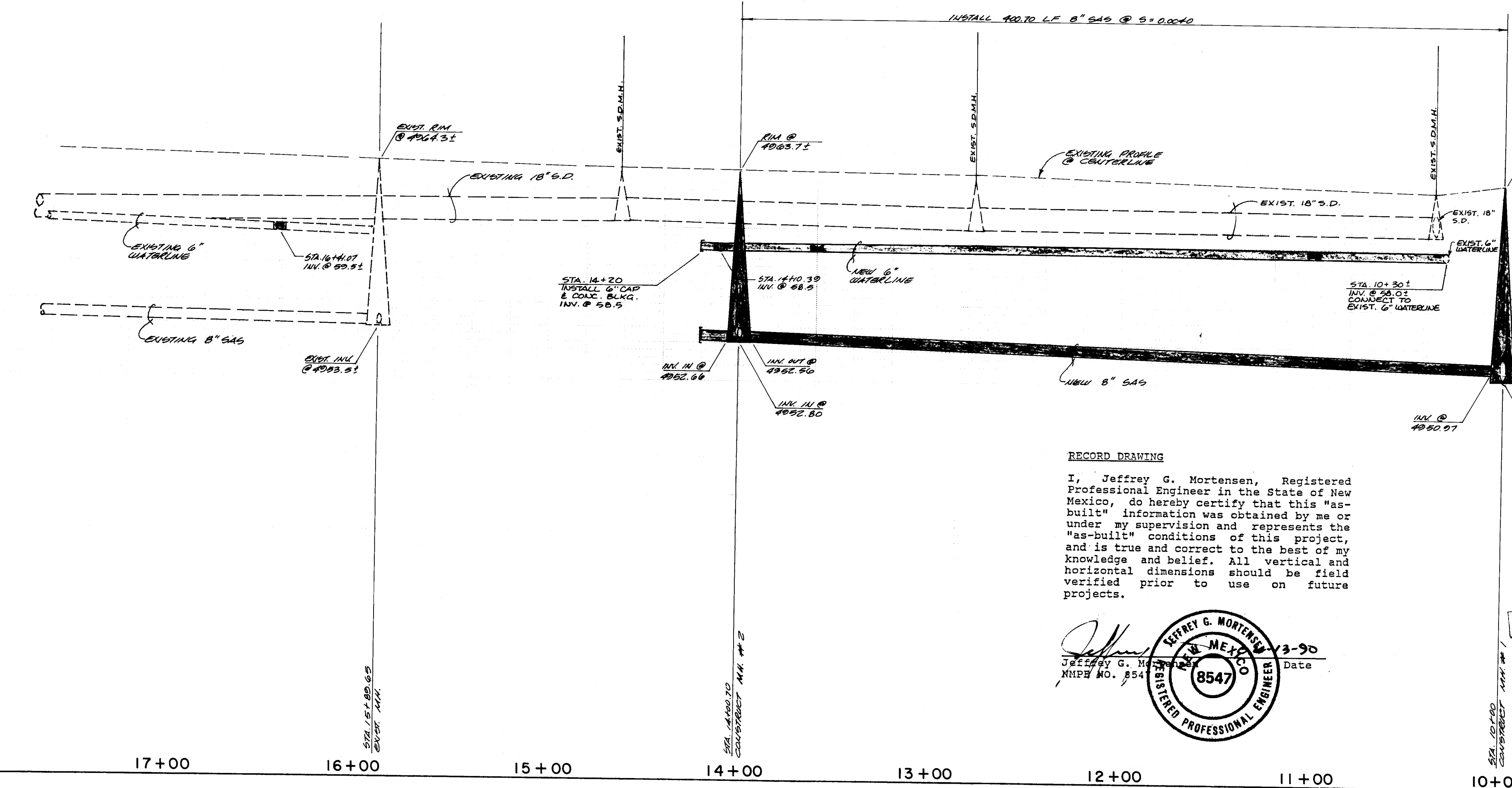


NEATLY SAWCUT, REMOVE & DISPOSE OF EXISTING ASPHALT PAVING AS REQUIRED TO ACCOMPLISH THE LINE EXTENSIONS SHOWN HEREON, RETURN IN ACCORDANCE WITH C.O.A. STD. DUG. NO. 2465

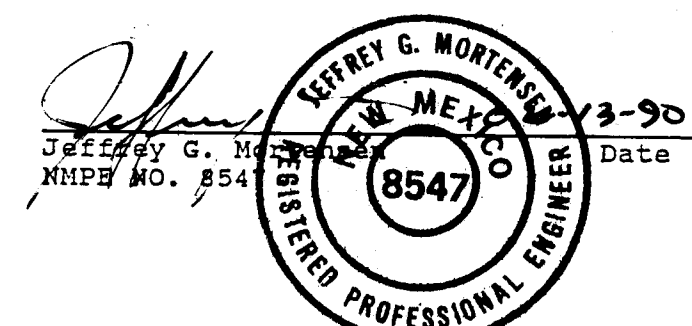
NEATLY SAWCUT, REMOVE & DISPOSE OF EXISTING ASPHALT PAVING AS REQUIRED TO ACCOMPLISH THE LINE EXTENSIONS SHOWN HEREON, RETURN IN ACCORDANCE WITH C.O.A. STD. DUG. 2465

DON QUIXOTE DRIVE N.E.

HORIZONTAL SCALE: 1"=40'  
VERTICAL SCALE: 1"=5'



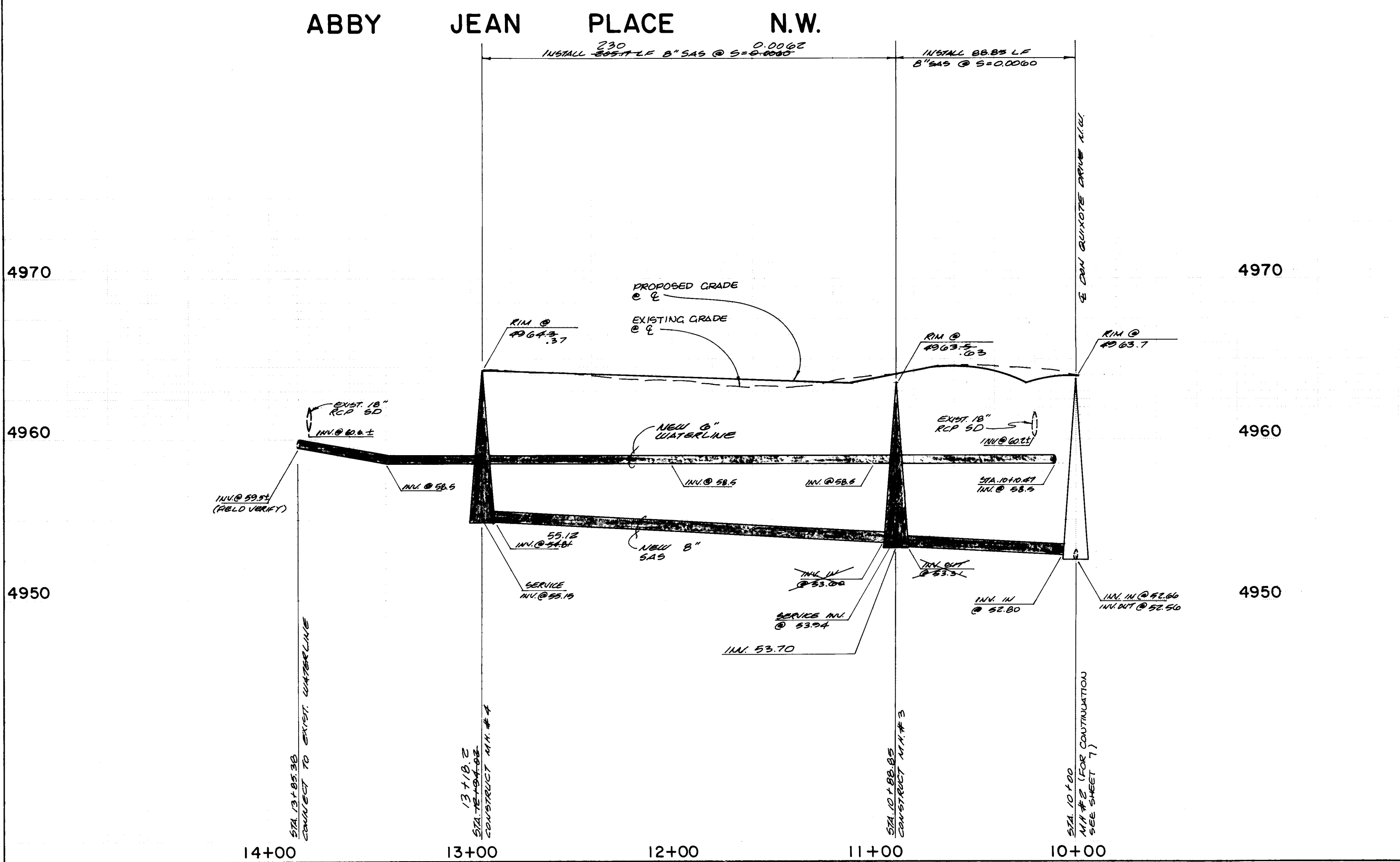
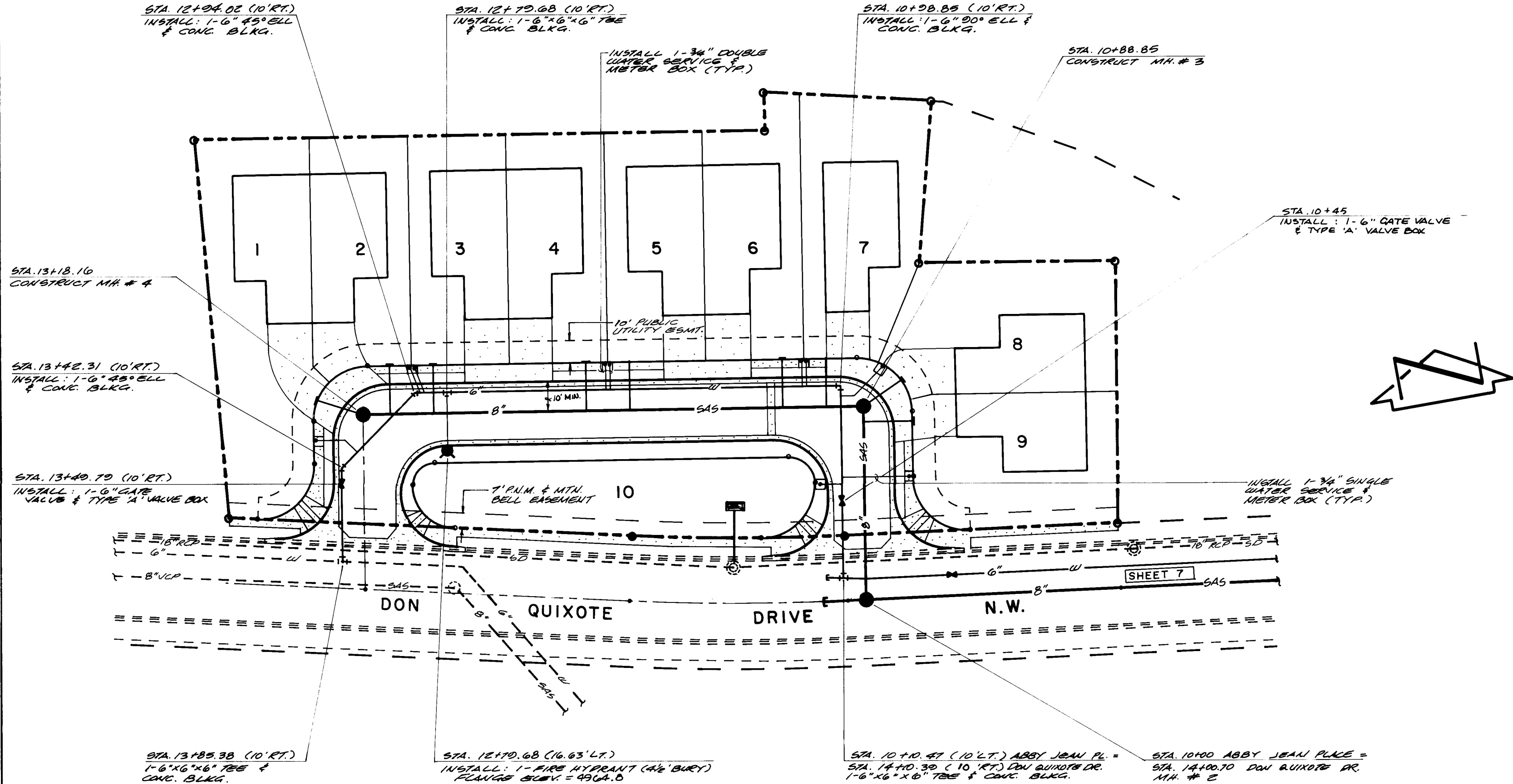
**RECORD DRAWING**  
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1 2 3 4 5 6 7 8 9 10 11 12  
26 3 9 1 1 0 7 9 0

SANITARY SEWER SYSTEM:		
1.	ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.	
2.	ALL SEWER PIPE SHALL BE PVC (SDR 35) OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. VITRIFIED CLAY AND DUCTILE IRON ARE ACCEPTABLE PIPE MATERIALS IN LIEU OF PVC.	
3.	SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.	
4.	ALL MANHOLES SHALL BE FOUR-FOOT DIAMETER TYPE "E" AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.	
5.	SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRONIC MARKER DISCS AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2125. EMD SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.	
WATER DISTRIBUTION SYSTEM:		
6.	ALL STATIONING IS BASED ON STREET CENTERLINE.	
7.	WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.	
8.	WATER LINE SHALL HAVE A MINIMUM COVER OF 4'0" (TOP OF CURB TO TOP OF PIPE).	
9.	ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.	
10.	FOR CONNECTIONS TO THE EXISTING WATERLINES, SEE WATER VALVE SHUTOFF PLAN, SHEET 9.	
GENERAL NOTES:		
1.	TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.	
2.	IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND 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, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.	
3.	SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.	
4.	ALL WATER VALVE BOXES AND MANHOLES ENCOUNTERED WITHIN THE PROPOSED PROJECT AREA SHALL BE ADJUSTED TO FINISH GRADE PER THE STANDARD SPECIFICATION.	
5.	ANY EXISTING PAVEMENT STRIPING, AND/OR TRAFFIC CONTROL DEVICES OR EQUIPMENT DISTURBED, DAMAGED OR REMOVED BY CONTRACTOR SHALL BE REPLACED AND/OR RESTORED PRIOR TO THE COMPLETION AND ACCEPTANCE OF THIS PROJECT.	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		
TITLE: Alysse Place WATER & SANITARY SEWER EXTENSIONS DON QUIXOTE DR. N.W. - STA.10+00 TO STA.16+94.39		
APPROVALS	ENGINEER	DATE
D.R.C. Chair	Robert Kane	10-3-89
Trans. Dev.	NA	9-20-89
Utility Dev.	Robert Kane	9-20-89
DESIGNED BY	J.G.M.	DATE 8-1989
DRAWN BY	J.M.A.	DATE 8-1989
CHECKED BY	J.C.M.	DATE 8-1989
DRAWING NO. 3911		
SHEET 7 OF 9		

10081



SCHEDULE OF SANITARY SEWER SERVICES		
LOT	STA	INV. @ P.L.
1	13+18.16	4958.7
2	13+05.66	4958.5
3	12+85.66	4958.5
4	12+15.66	4958.2
5	11+95.66	4958.2
6	11+25.66	4958.0
7	11+05.66	4958.0
8	10+88.85	4958.0
9	10+81.81	4958.0

SCHEDULE OF WATER SERVICES/METER BOXES		
LOT	STA	TYPE
1	13+29.66	SINGLE
2/3	12+95.66	DOUBLE
4/5	12+05.66	DOUBLE
6/7	11+15.66	DOUBLE
8	10+92.94	SINGLE
9	10+56.48	SINGLE
10	10+95 ±	SINGLE

HORIZONTAL SCALE: 1" = 40'  
VERTICAL SCALE: 1" = 5'

RECORD DRAWING

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Jeffrey G. Mortensen  
Professional Engineer  
No. 8547

SCANNED BY IASON  
JOB No. 890381

**SANITARY SEWER SYSTEM:**

- ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
- ALL SEWER PIPE SHALL BE PVC (SDR 35) OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. VITRIFIED CLAY AND DUCTILE IRON ARE ACCEPTABLE PIPE MATERIALS IN LIEU OF PVC.
- SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.
- ALL MANHOLES SHALL BE FOUR-FOOT DIAMETER TYPE "E" AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.
- SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRONIC MARKER DISCS AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2125. EMD SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.

**WATER DISTRIBUTION SYSTEM:**

- ALL STATIONING IS BASED ON STREET CENTERLINE.
- WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
- WATER LINE SHALL HAVE A MINIMUM COVER OF 4'-0" (TOP OF CURB TO TOP OF PIPE).
- ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
- FOR CONNECTIONS TO THE EXISTING WATERLINES, SEE WATER VALVE SHUTOFF PLAN, SHEET 9.

**GENERAL NOTES:**

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND 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, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- ALL WATER VALVE BOXES AND MANHOLES ENCOUNTERED WITHIN THE PROPOSED PROJECT AREA SHALL BE ADJUSTED TO FINISH GRADE PER THE STANDARD SPECIFICATION.
- ANY EXISTING PAVEMENT STRIPING, AND/OR TRAFFIC CONTROL DEVICES OR EQUIPMENT DISTURBED, DAMAGED OR REMOVED BY CONTRACTOR SHALL BE REPLACED AND/OR RESTORED PRIOR TO THE COMPLETION AND ACCEPTANCE OF THIS PROJECT.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.
08-20-89	JGM		08-20-89	JGM		08-20-89	JGM		08-20-89	JGM	

DESIGNED BY JGM  
DRAWN BY J.M.A.  
CHECKED BY JGM

DATE 8 - 1989  
DATE 8 - 1989  
DATE 8 - 1989

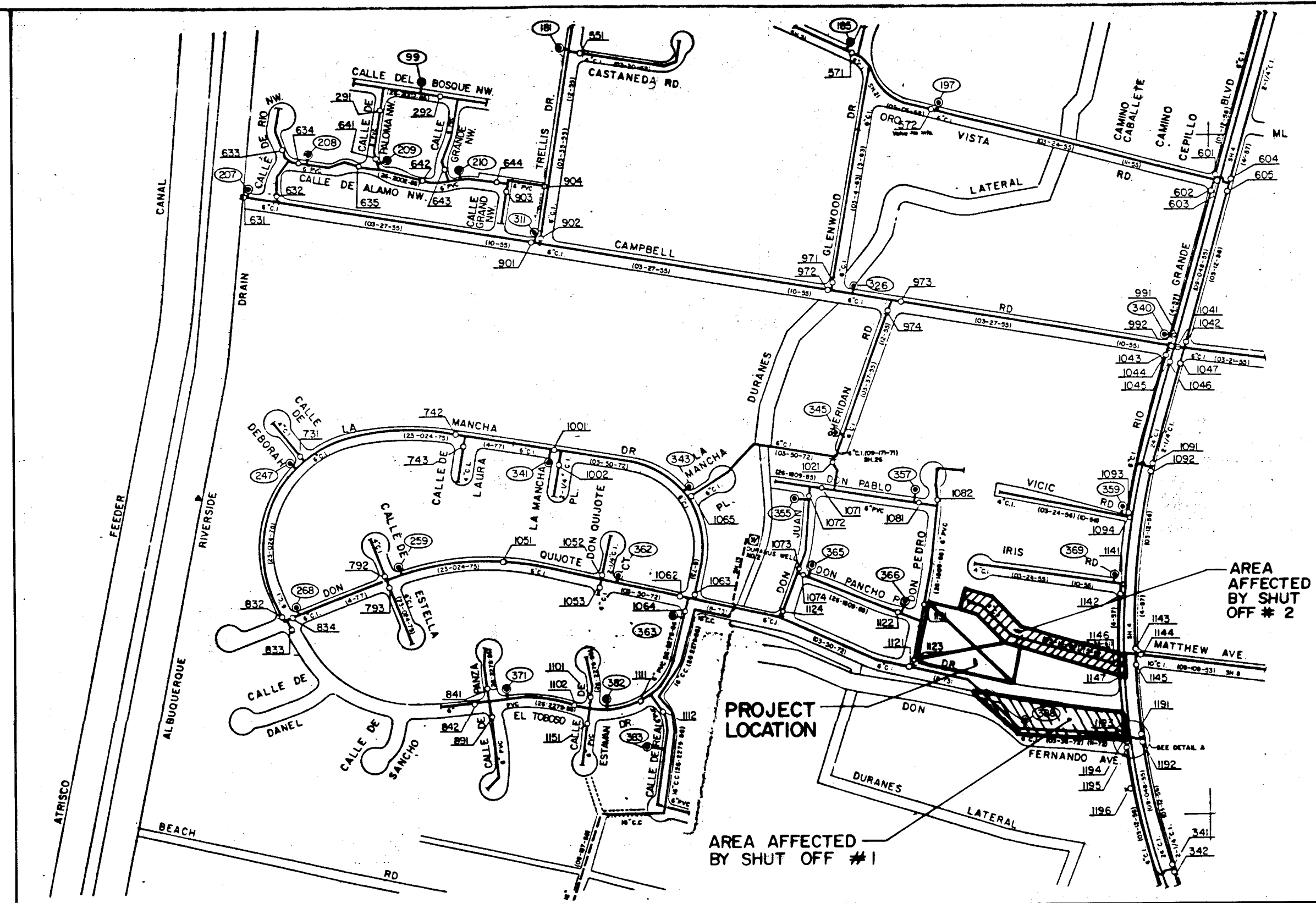
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

TITLE: Alysse Place  
Water & Sanitary Sewer Extensions  
Abby Jean Place N.W. STA.10+00 TO STA.13+85.38

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Robert Kane	8-20-89			
Trans. Dev	Robert Kane	8-20-89			
Utility Dev	Robert Kane	8-20-89			

DRAWING NO. 3911  
MAP NO. G-12  
SHEET 8 OF 9

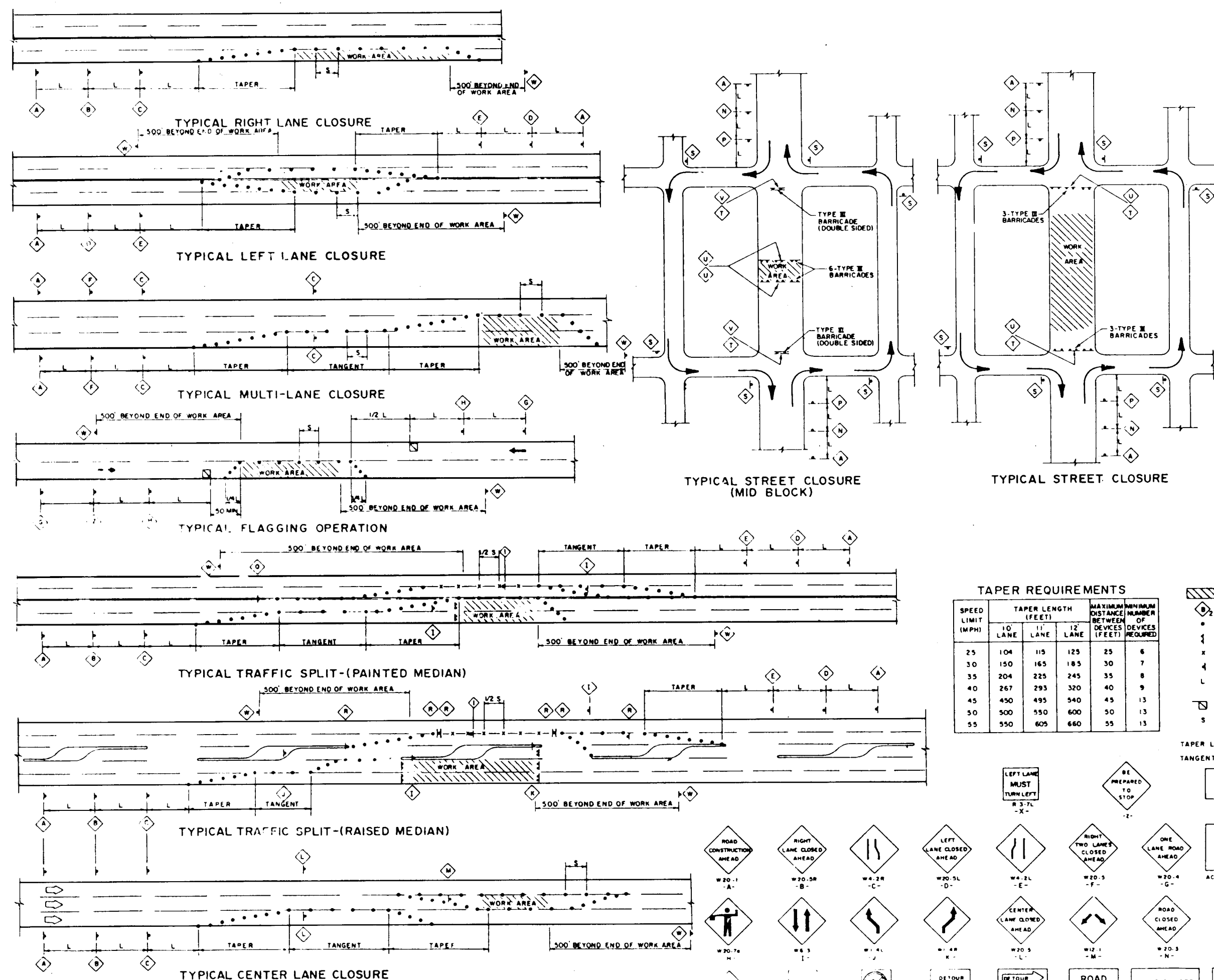




WATER VALVE SHUT-OFF PLAN  
SCALE: 1" = 400'

# WATER VALVE SHUT-OFF PLAN NOTES:

- AS A MINIMUM, THE CONTRACTOR SHALL CLOSE THE FOLLOWING VALVES TO EFFECT THE RESPECTIVE SHUTOFFS:
  - SHUTOFF #1 (CONNECTION IN DON QUIXOTE DRIVE N.W.): VALVES 1121, 1123 AND 1193.
  - SHUTOFF #2 (CONNECTION IN RIO GRANDE BOULEVARD N.W.): VALVES 1193, 1194, 1146, 1147, AND 1142.
- THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS, THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING WATERLINE. ALL SHUTOFFS SHALL BE PERFORMED BY THE WATER SYSTEMS DIVISION.
- THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT THE NECESSARY SHUTOFFS AND CONNECTIONS.
- EXISTING WATER VALVE AND WATERLINE INFORMATION OBTAINED FROM CITY OF ALBUQUERQUE WATER SECTIONAL MAP G-125.

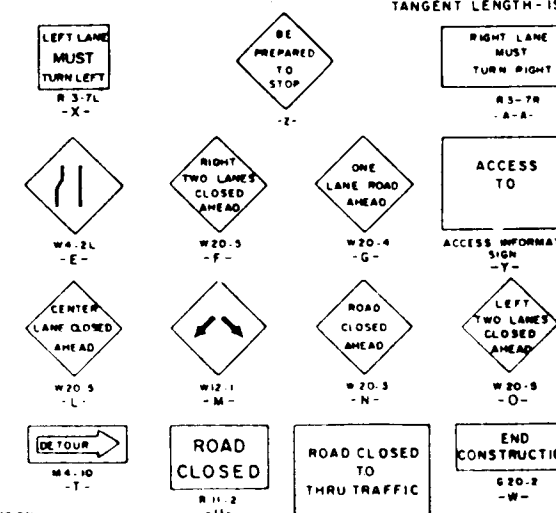


NOTES:  
ALL ADVANCE WARNING SIGNS ARE TO BE DOUBLE INDICATED WHENEVER MEDIANS ARE PRESENT.  
TRANSFORMATION FROM EXISTING SIGNS TO SPAN WIRE IS TO OCCUR AT OFF PEAK HOURS.

## TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)		MINIMUM NUMBER OF SIGNS REQUIRED
	TO LANE	FROM LANE	
25	100	125	6
30	150	180	7
35	200	245	8
40	250	320	9
45	300	400	10
50	350	500	11
55	400	600	12

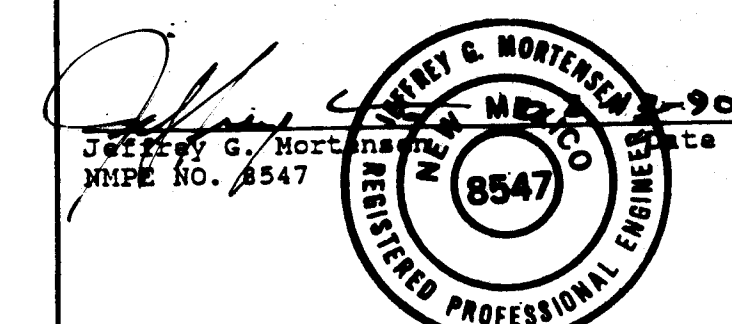
- LEGEND
- WORK AREA
  - TRAFFIC SIGN & QUANTITY (SEE THIS SHEET FOR DESIGNATION)
  - BARRICADE - TYPE I, TYPE II, OR BARREL
  - BARRICADE - TYPE III
  - VERTICAL PANEL
  - WARNING SIGN
  - DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
  - FLAGMAN POSITION
  - SPEEDING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
  - TAPER LENGTH - SEE CHART AT LEFT
  - TANGENT LENGTH - IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET



## TRAFFIC CONTROL DETAILS

## RECORD DRAWING

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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

TITLE: ALYSSE PLACE  
WATER VALVE SHUTOFF PLAN /  
TRAFFIC CONTROL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	Robert Kage	9-20-89			
Trans Dev	Robert Kage	9-20-89			
Utility Dev	Robert Kage	9-20-89			
DRAWING NO.	3911	MAP NO. G-12	SHEET 9 OF 9		

SCANNED BY LASON

JOB No. 890381