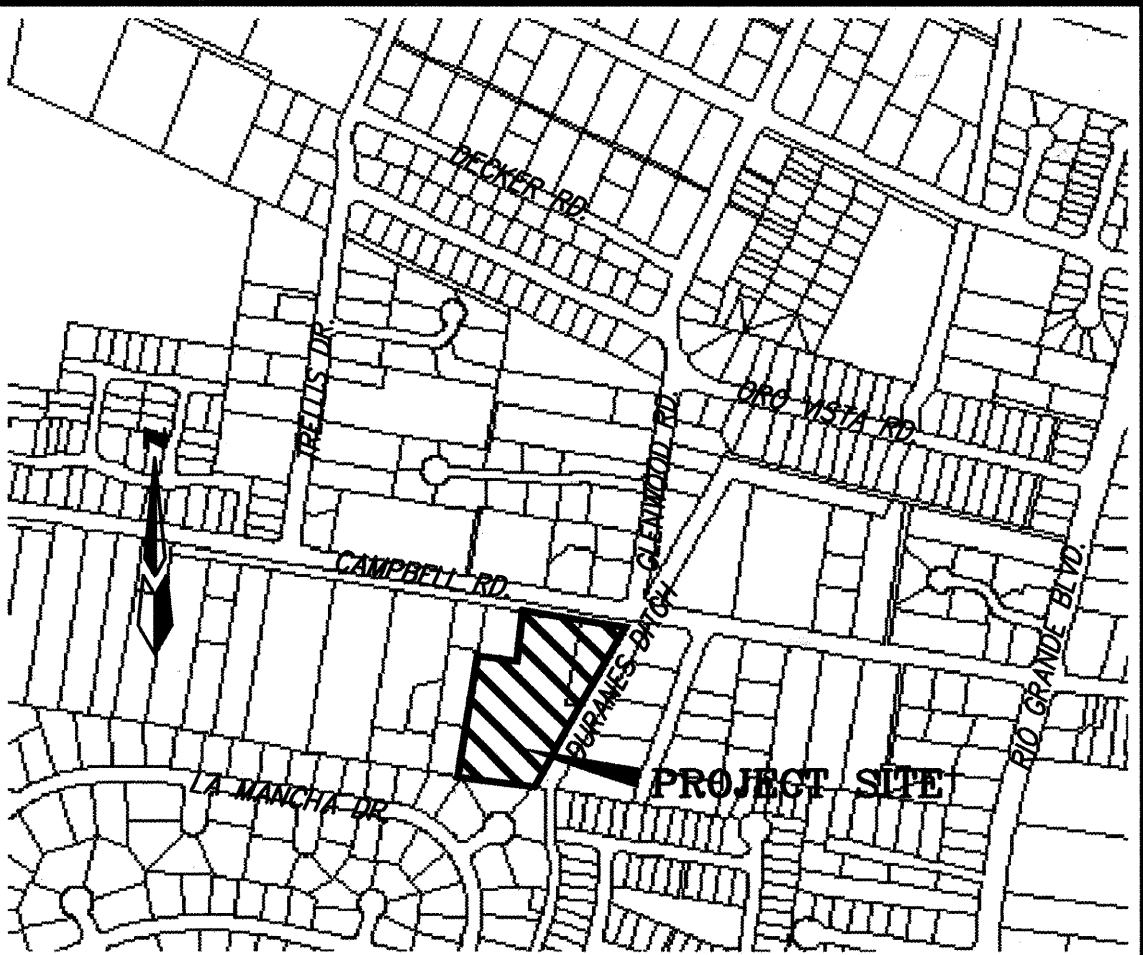


CONSTRUCTION PLANS
FOR
CALLE TRANQUILO SUBDIVISION
ALBUQUERQUE, NEW MEXICO

SCANNED BY
MESA REPRO



VICINITY MAP ZONE ATLAS G-12-Z
SCALE: NONE

GENERAL NOTES

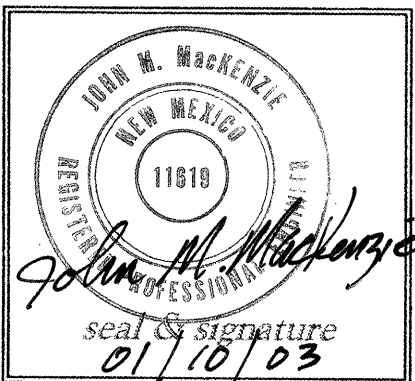
NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
 2. 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, 1988 EDITION AS REVISED THROUGH UPDATE #6.
 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
 4. 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 IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
 6. ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
 7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
 8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. 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 TO COVER THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
 - CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAVE BEEN RECORDED.
 10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
 11. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
 12. FOR STORM DRAIN CONSTRUCTION, RCP JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
- 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.
- ☒ SIDEWALK 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.

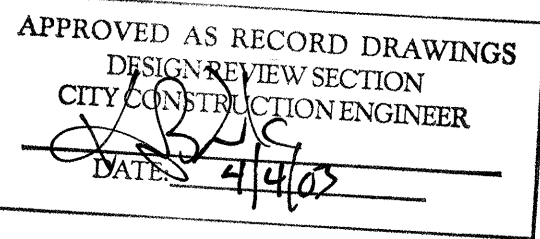
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, John M. MacKenzie, NMPE 11619, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.



INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2-3	PLAT
4	GRADING AND DRAINAGE PLAN
5	PAVING IMPROVEMENTS
6	UTILITY IMPROVEMENTS
7-8	TRAFFIC CONTROL



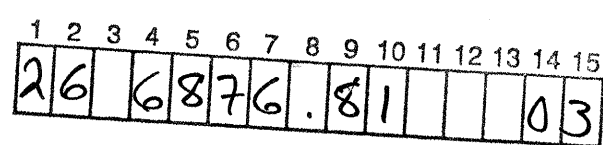
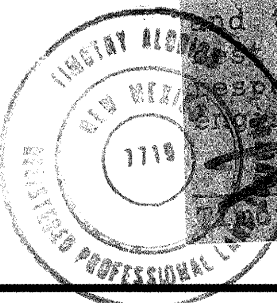
CAUTION:

NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

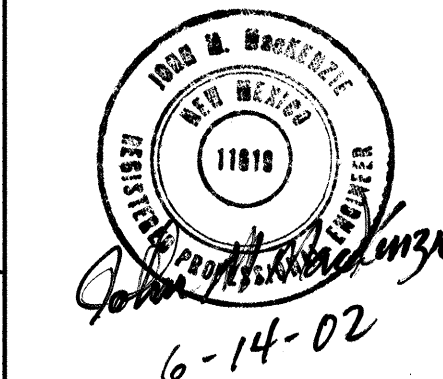
SURVEYOR'S CERTIFICATION

I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the "as-built" information shown on these drawings was obtained from field construction and "as-built" surveys performed by me or under my supervision, and that the "as-built" information shown on these drawings was added by me or under my supervision and that this "as-built" information is true and correct to the best of my knowledge and belief. Timothy Aldrich and Surveying is not responsible for any of the design, concepts, calculations, or other information appearing on or intent of the record drawings.

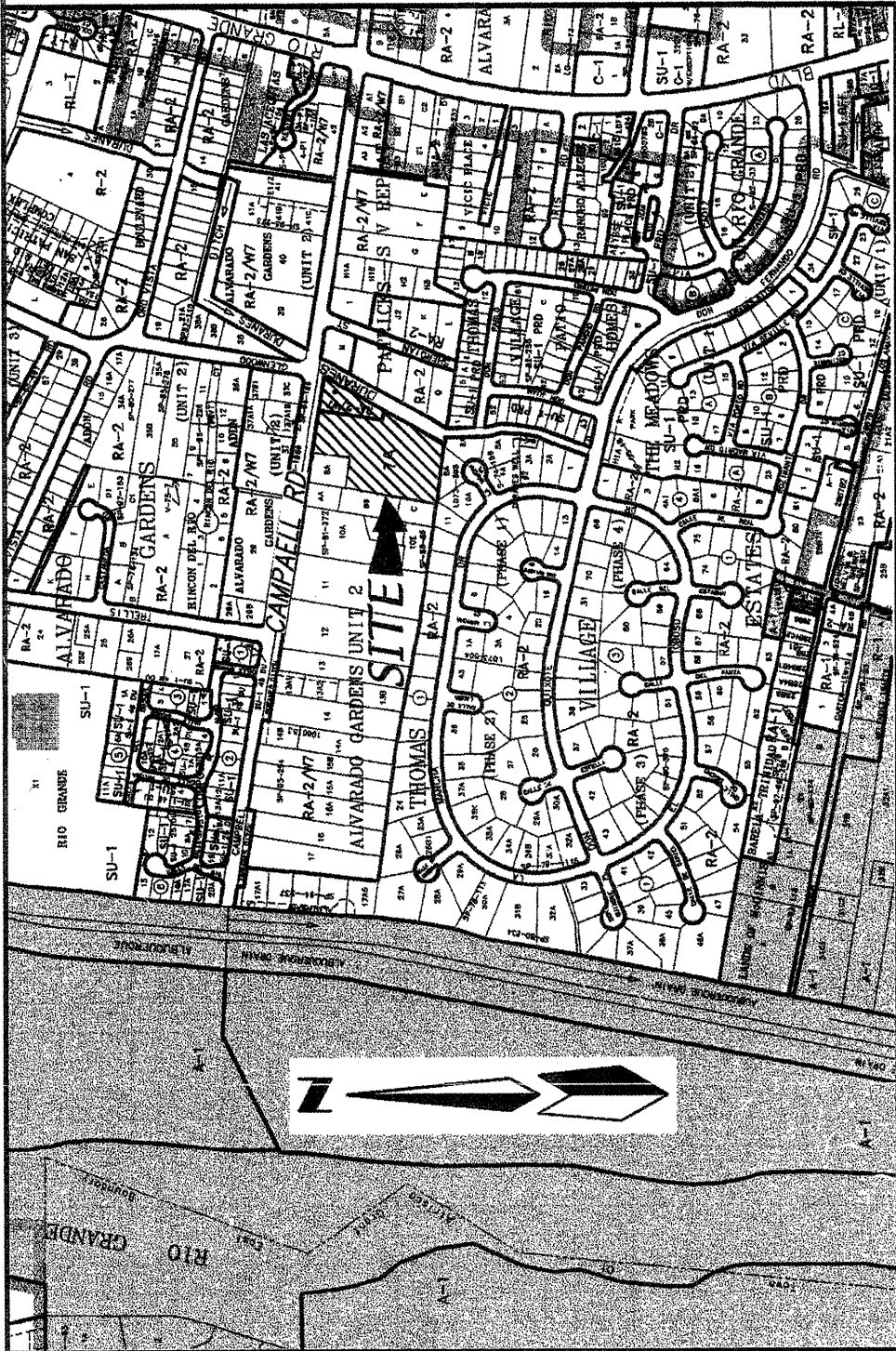


DRB NO.

1001349



REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC CHAIRMAN		<u>John M. MacKenzie</u>		2-9-02	
		TRANSPORTATION		<u>John M. MacKenzie</u>		7/3/02	
		WATER/WASTEWATER		<u>John M. MacKenzie</u>		6/26/02	
		HYDROLOGY		<u>John M. MacKenzie</u>		6-26-02	
		CIP		<u>John M. MacKenzie</u>		7-9-02	
CITY PROJECT NO.		CONSTR. COORD.		<u>John M. MacKenzie</u>		7-9-02	
687681		CITY ENGINEER		<u>John M. MacKenzie</u>		7/5/02	
SHEET OF		DATE		DATE		DATE	
1		8		1		8	



LOCATION MAP

ZONE ATLAS G-12-Z
SCALE: NONE

SUBDIVISION DATA

Plat Case No's. Project # 1001349
Case # 01400-01810
Gross acreage 4.0507 AC
Zone Atlas No. G-12-Z
No. of existing Tracts/Lots 2 TRACTS
No. of Tracts/Lots created 3 TRACTS/14 LOTS
Miles of full width streets created 2 TRACTS
Area dedicated to the City of Albuquerque 0.00
Date of Survey AUGUST, 2001
Utility Control Location System Log Number 2001382177

FREE CONSENT AND DEDICATION:

The subdivision hereon described is with the free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby grant all private road way easement shown hereon and all access, utility and drainage easements shown hereon including the right to construct, operate, inspect, and maintain facilities therein; and all public utility easements shown hereon for the common and joint use of gas, electrical power and communication services for buried distribution lines, conduits, and pipes for underground utilities where shown or indicated, and including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs. Said owner(s) and/or proprietor(s) do hereby consent to all of the foregoing and do hereby certify that this subdivision is their free act and deed. Said owner(s) warrant that they hold among them complete and indefeasible title to the land subdivided.

Alpha Equities, LLC

Rhett Waterman, Managing Member

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO SS
COUNTY OF BERNALILLO

This instrument was acknowledged before me on December 5, 2001
By Rhett Waterman, Managing Member of Alpha Equities, LLC a New Mexico corporation on behalf of said corporation.

NOTARY PUBLIC
SUSAN BARROS
NOTARY PUBLIC - STATE OF NEW MEXICO
My commission expires 9-3-2004

MY COMMISSION EXPIRES

DESCRIPTION

A tract of land situate within the Town of Albuquerque Grant, projected Section 1, Township 10 North, Range 2 East, New Mexico Principal Meridian being all of LOT 8, ALVARADO GARDENS, UNIT NO. 2 as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico on January 26, 1954 in Plot Book C, Folio 28 together with all of LOT 7-A, ALVARADO GARDENS, UNIT NO. 2, as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico on June 12, 1985 in Plot Book C27, Folio 97 and a portion of an ABANDONED ACEQUIA and containing 4.0507 acres more or less.

NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
2. Distances are ground distances.
3. Bearings and distances in parenthesis are record.
4. Basis of boundary is from plots and documents of record entitled:
PLAT FOR "ALVARADO GARDENS UNIT NO. 2",
(01—26—34, C—28)
PLAT FOR "ALVARADO GARDENS UNIT NO. 2",
(11—29—39, C—59A)
PLAT FOR "ALVARADO GARDENS UNIT NO. 2",
(01—21—77, B12—83)
PLAT FOR "ALVARADO GARDENS UNIT NO. 2",
(02—04—77, B12—96)
PLAT FOR "ALVARADO GARDENS UNIT NO. 2, LOTS 7-A & 9-A",
(06—12—85, C27—87)
PLAT FOR "THOMAS VILLAGE ESTATES, PHASE 1",
(01—19—73, D5—96)
PLAT FOR "THOMAS VILLAGE ESTATES, PHASE 1",
(11—06—73, B8—200)
PLAT FOR "THOMAS VILLAGE ESTATES",
(07—18—75, C10—138)
All is being records of Bernalillo County, New Mexico.
5. Field Survey: August 2001.
6. Title Report: provided by First American Title Company Commitment No. 01013034 (Effective Date: 06—15—01)
7. Address of Property: None provided.
8. UTILITY CONTROL LOCATION SYSTEM LOG NO.: 2001382177

PUBLIC UTILITY EASEMENTS shown on this plat are granted for the common and joint use of:

1. The PNM Electric Services Division for the installation, maintenance and service of overhead and underground electrical lines, transformers, poles and any other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical services.
2. The PNM Gas Services Division for installation, maintenance and services of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.
3. Qwest for installation, maintenance and service of all twisted 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.
4. Comcast cable for installation, maintenance and service of such lines, cable and other related equipment and facilities reasonably necessary to provide Cable TV service. Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify,

6876.81

2 of 8

LEGAL DESCRIPTION

(SEE SHEET 2)

NOTES

(SEE SHEET 2)

PURPOSE OF PLAT

1. Subdivide two existing tracts into fourteen lots and three new tracts
2. Grant easements shown hereon

PLAT FOR

CALLE TRANQUILO SUBDIVISION

SCANNED BY
MESA REPRO

WITHIN THE
TOWN OF ALBUQUERQUE GRANT
PROJECTED SECTION 1
TOWNSHIP 101 NORTH, RANGE 2 EAST, NMMP
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
DECEMBER, 2001

APPROVED AND ACCEPTED BY:

APPROVAL AND CONDITIONAL ACCEPTANCE as specified by the Albuquerque subdivision Ordinances, Chapter 14 Article 14 of the Revised Ordinances of Albuquerque, New Mexico, 1994.

Subdivision Case No. _____

Planning Director, City of Albuquerque, N.M. _____ Date _____

City Engineer, City of Albuquerque, N.M. _____ Date _____

Albuquerque Metropolitan Arroyo Flood Control Authority _____ Date _____

Transportation Development, City of Albuquerque, N.M. _____ Date _____

Utility Development Division, City of Albuquerque, N.M. _____ Date _____

Parks and Recreation _____ Date _____

City Surveyor, City of Albuquerque, N.M. _____ Date 12-6-01

Property Management, City of Albuquerque, N.M. _____ Date _____

PNM Gas _____ Date 12-6-01

PNM Electric _____ Date 12-6-01

Qwest Telecommunications _____ Date 12-06-01

Comcast Cable _____ Date 12/6/01

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat and description were prepared by me or under my supervision, shows all easements as shown on the plat of record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in the State of New Mexico, and is true and correct to the best of my knowledge and belief."

Timothy Aldrich, S. No. 7719

12-06-01

Date _____

Dwg: PLATCOVER.dwg Drawn: STEPHEN Checked: ALS Sheet 1 of 4
Scale: N/A Date: 12/05/01 Job: A01074

PLAT FOR

CALLE TRANQUILO SUBDIVISION

WITHIN THE
TOWN OF ALBUQUERQUE GRANT
PROJECTED SECTIONS 1
TOWNSHIP 101 NORTH, RANGE 2 EAST, NMMP
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
DECEMBER, 2001

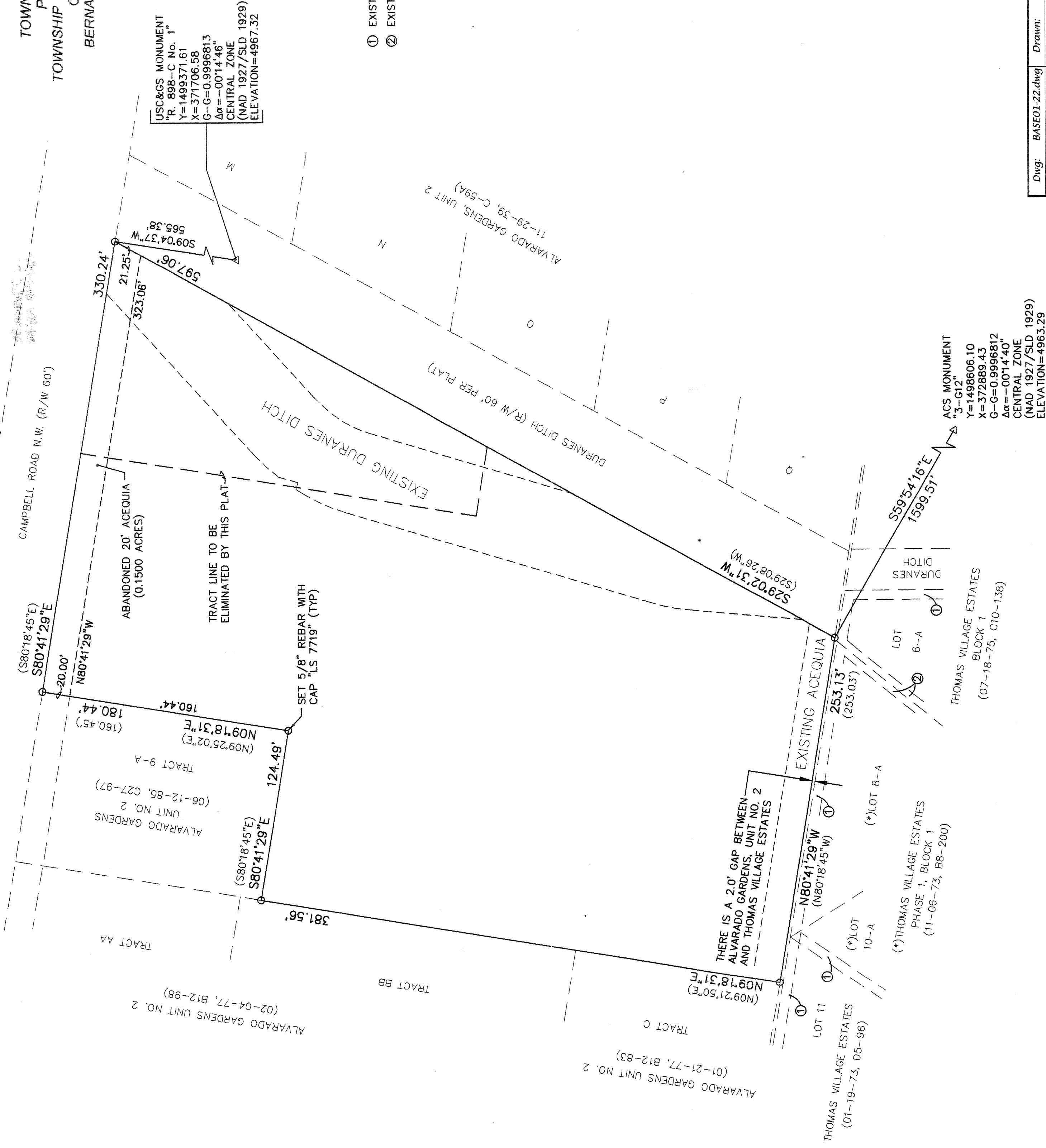
LINE TABLE		
LINE	LENGTH	BEARING
L1	19.00	N80°44'05"W
L2	8.92	N27°29'54"W
L3	5.11	S73°35'46"E
L4	14.52	N16°05'12"E
L5	24.28	N47°39'50"E
L6	6.89	S15°55'09"E
L7	8.99	N74°16'24"E

CURVE TABLE			
CURVE	RADIUS	LENGTH	DELTA
C1	114.00	77.43	38°54'50"
C2	119.00	80.91	38°57'26"
C3	93.00	52.58	32°23'38"
C4	25.00	39.27	90°00'00"
C5	25.00	39.27	89°59'59"
C6	140.00	5.38	2°12'07"
C7	140.00	47.18	19°16'30"
C8	93.00	10.58	08°31'12"
C9	140.00	48.01	19°38'55"
C10	40.00	28.54	40°52'43"
C11	40.00	19.96	28°35'22"
C12	40.00	40.00	57°17'45"
C13	40.00	20.49	29°20'39"
C14	25.00	28.56	65°27'23"
C15	96.00	24.03	14°03'03"
C16	41.50	26.21	36°11'34"
C17	140.00	16.35	3°54'16"
C18	240.00	34.22	8°10'11"
C19	96.00	42.60	24°54'22"
C20	135.00	15.02	6°22'21"
C21	135.00	76.67	31°32'29"
C22	150.00	37.29	14°14'41"
C23	40.00	62.36	89°20'54"
C24	240.00	50.58	12°04'26"
C25	40.00	171.36	245°27'23"
C26	140.00	95.19	38°57'26"
C27	96.00	66.63	38°57'26"
C28	150.00	30.69	11°43'22"
C29	150.00	24.09	09°12'10"
C30	90.00	48.54	30°54'14"
C31	150.00	4.15	01°35'05"
C32	90.00	48.54	30°54'14"

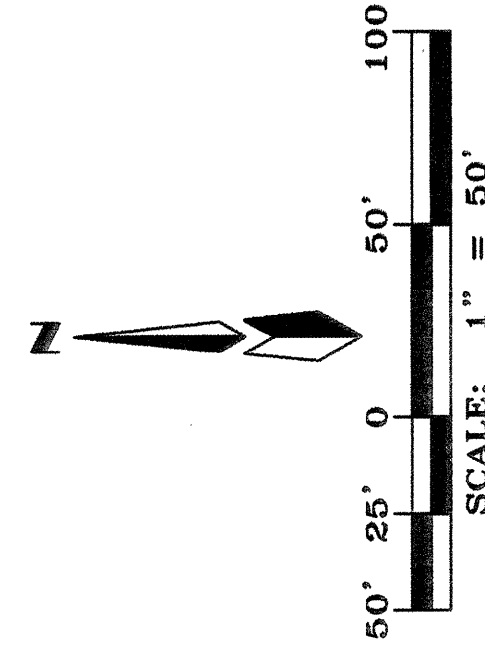
CH-BEARING	CH-DIST
N28°45'56"E	75.95
S28°44'38"W	42.09
N25°30'20"E	51.88
N35°41'29"W	35.36
S54°18'31"W	35.36
N10°24'35"E	5.38
S38°34'08"W	46.96
N47°39'45"E	10.58
S19°05'23"W	47.78
S11°10'26"E	27.94
S88°51'02"E	38.35
N41°31'08"W	20.26
S23°27'46"E	27.03
S16°12'27"W	23.97
S27°21'42"W	25.78
N43°30'21"E	16.35
N37°28'08"E	34.19
S35°46'10"W	42.27
N45°02'10"E	15.01
N25°34'45"E	75.65
S23°52'57"W	37.20
N17°49'38"E	56.25
N39°25'16"E	50.48
N66°32'14"E	67.30
S28°44'38"W	93.37
S28°44'38"W	65.36
S10°53'58"W	30.64
S43°03'45"W	24.07
S37°12'43"W	47.96
N37°47'50"E	4.15
N37°12'43"E	47.96

Dwg: SHEET2.dwg Drawn: STEPHEN Checked: ALS Sheet 2 of 4
Scale: N/A Date: 03/26/02 Job: A01074

PLAT FOR
CALLE TRANQUILO SUBDIVISION
WITHIN THE
TOWN OF ALBUQUERQUE GRANT
PROJECTED SECTIONS 1
TOWNSHIP 101 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 2001

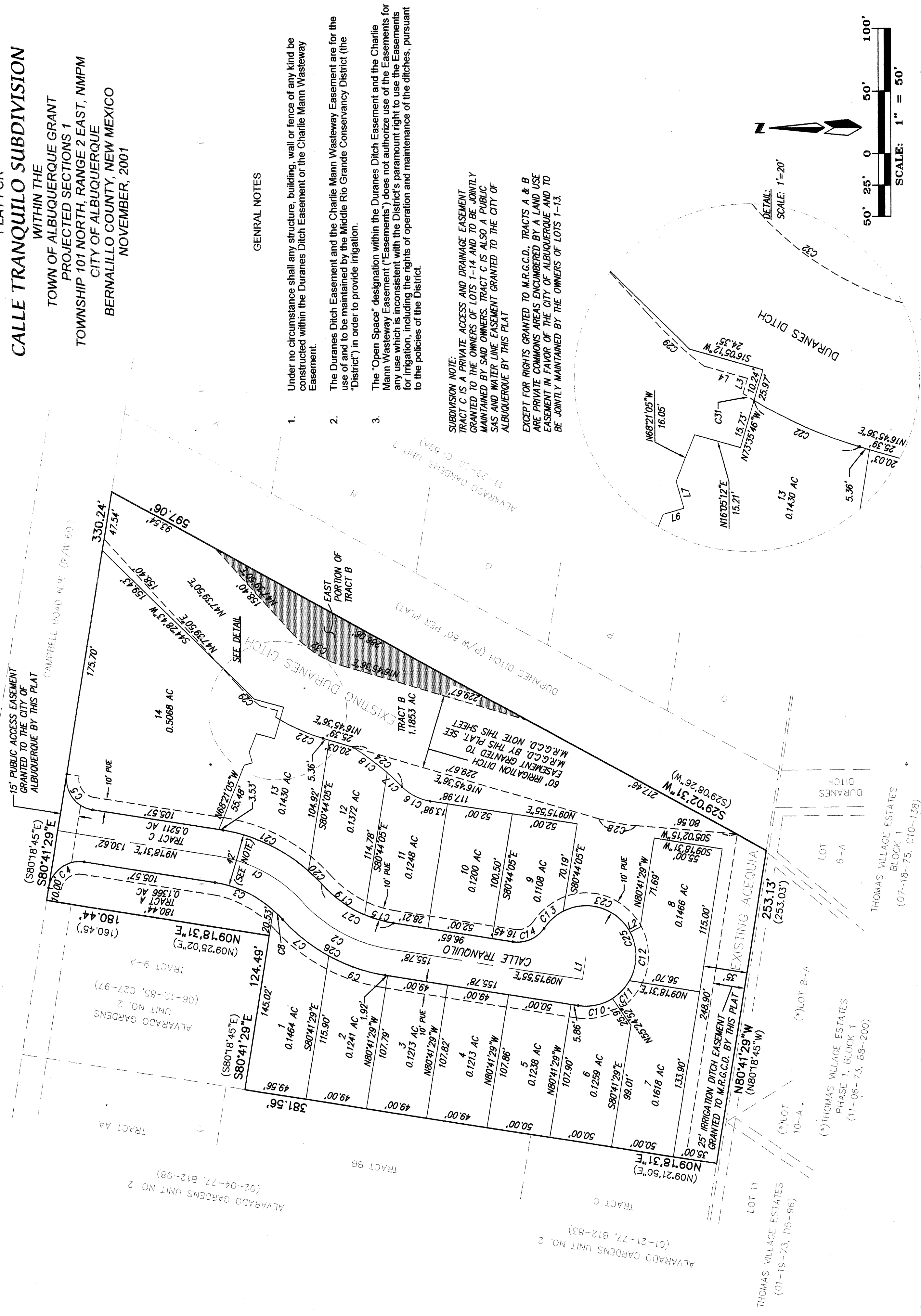


- ① EXISTING 7' PUE (01-19-73, D5-96)
- ② EXISTING 5' PUE (01-19-73, D5-96)



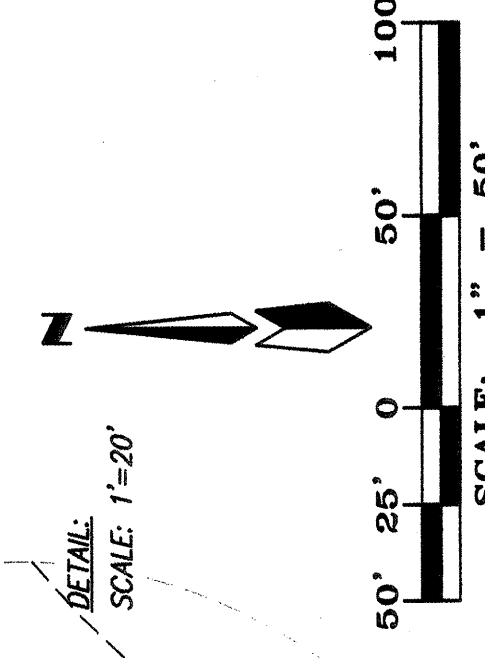
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PLAT FOR
CALLE TRANQUILO SUBDIVISION
WITHIN THE
TOWN OF ALBUQUERQUE GRANT
PROJECTED SECTIONS 1
TOWNSHIP 101 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 2001

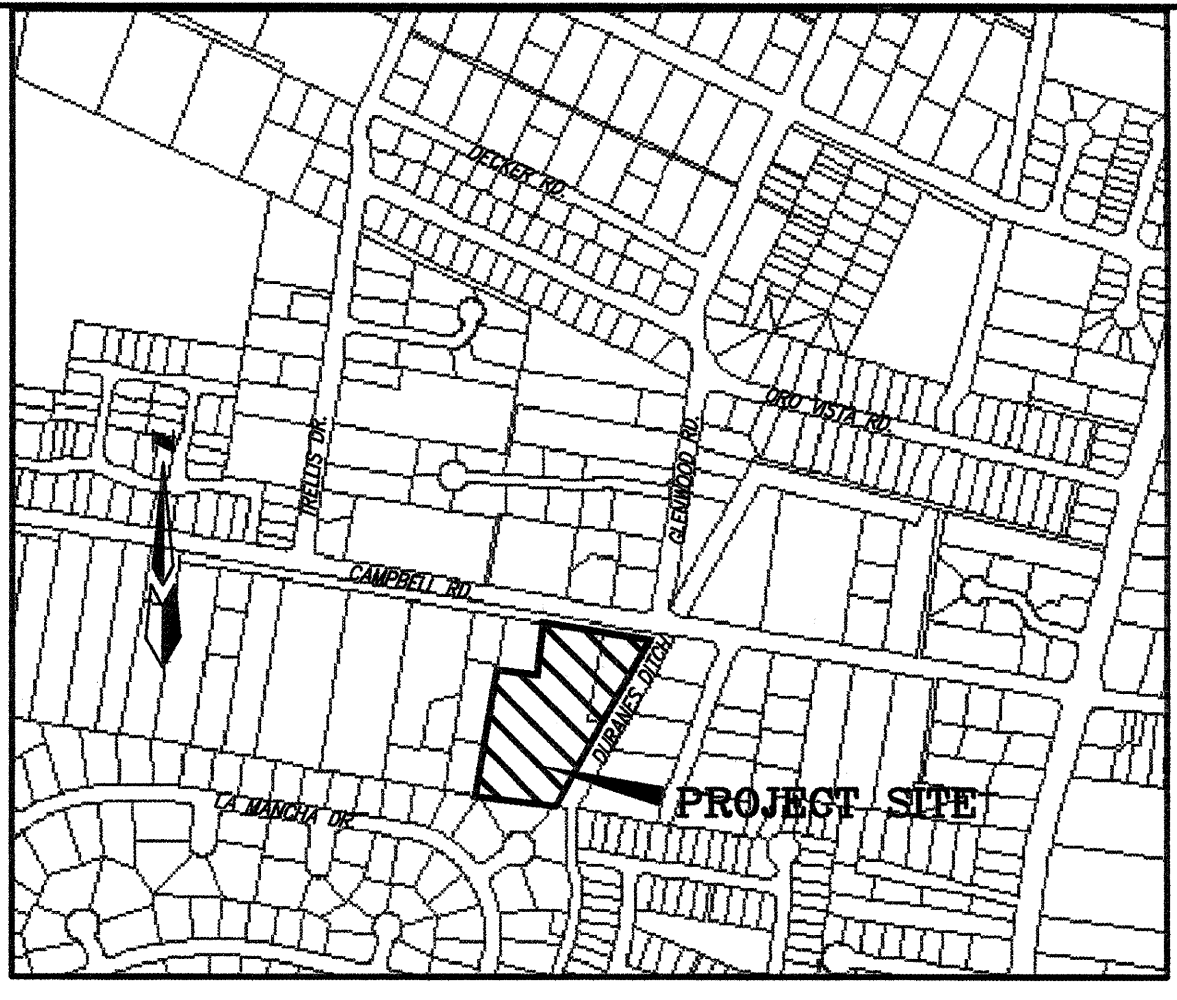
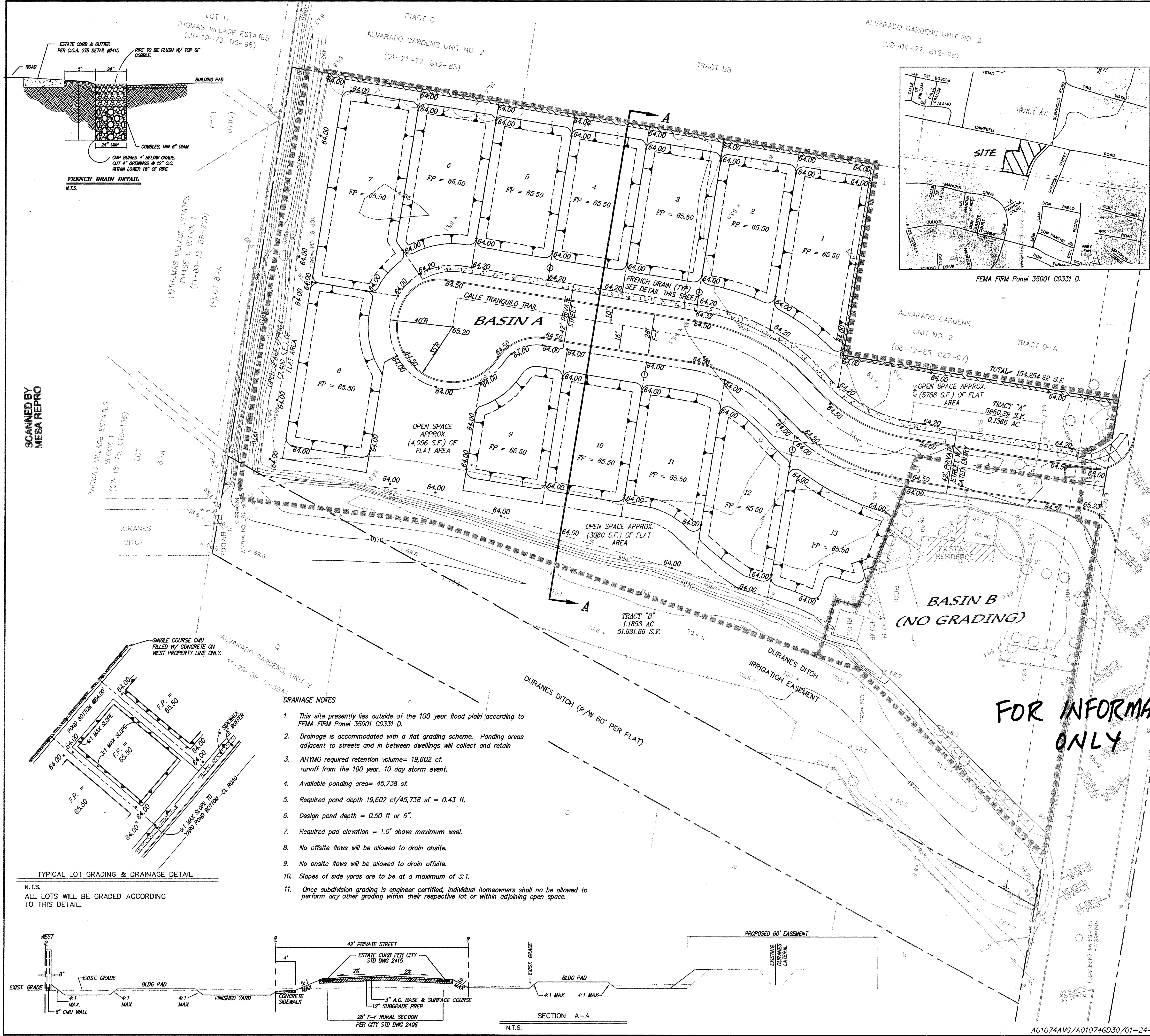


- GENERAL NOTES
- Under no circumstance shall any structure, building, wall or fence of any kind be constructed within the Duranes Ditch Easement or the Charlie Mann Wasteway Easement.
 - The Duranes Ditch Easement and the Charlie Mann Wasteway Easement are for the use of and to be maintained by the Middle Rio Grande Conservancy District (the "District") in order to provide irrigation.
 - The "Open Space" designation within the Duranes Ditch Easement and the Charlie Mann Wasteway Easement ("Easements") does not authorize use of the Easements for any use which is inconsistent with the District's paramount right to use the Easements for irrigation, including the rights of operation and maintenance of the ditches, pursuant to the policies of the District.

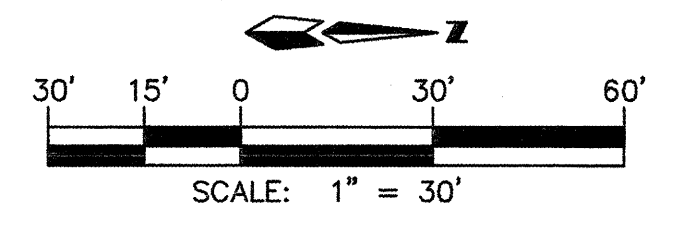
SUBDIVISION NOTE:
TRACT C IS A PRIVATE ACCESS AND DRAINAGE EASEMENT GRANTED TO THE OWNERS OF TRACT C BY THE CITY OF ALBUQUERQUE. TRACT C IS ALSO PUBLIC. SAs AND WATER LINE EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE BY THIS PLAT.
EXCEPT FOR RIGHTS GRANTED TO M.R.G.C.D., TRACTS A & B ARE PRIVATE COMMONS AREAS ENCUMBERED BY A LAND USE EASEMENT IN FAVOR OF THE CITY OF ALBUQUERQUE AND TO BE JOINTLY MAINTAINED BY THE OWNERS OF LOTS 1-13.



Dwg:	BASE01-22.dwg	Drawn:	STEPHEN	Checked:	ALS	Sheet	4	of	4
Scale:	1"=50'	Date:	06/13/02	Job:	A01074				



VICINITY MAP ZONE MAP: G-12-Z



ACS BENCHMARK
ACS MONUMENT 3-612 - ELEVATION 4963.29.

LEGAL DESCRIPTION
ALVARADO GARDENS, UNIT 2, LOTS 7A AND 8, WITHIN SECTION 1, TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

Table with 2 columns: Symbol and Description. Includes legend for property lines, setbacks, boundaries, easements, and various elevation and slope markers.

- DRAINAGE NOTES
1. This site presently lies outside of the 100 year flood plain according to FEMA FIRM Panel 35001 C0331 D.
 2. Drainage is accommodated with a flat grading scheme. Ponding areas adjacent to streets and in between dwellings will collect and retain
 3. AHJMO required retention volume= 19,602 cf. runoff from the 100 year, 10 day storm event.
 4. Available ponding area= 45,738 sf.
 5. Required pond depth 19,602 cf/45,738 sf = 0.43 ft.
 6. Design pond depth = 0.50 ft or 6".
 7. Required pad elevation = 1.0' above maximum wsel.
 8. No offsite flows will be allowed to drain onsite.
 9. No onsite flows will be allowed to drain offsite.
 10. Slopes of side yards are to be at a maximum of 3:1.
 11. Once subdivision grading is engineer certified, individual homeowners shall no be allowed to perform any other grading within their respective lot or within adjoining open space.

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

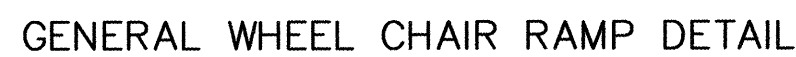
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: CALLE TRANQUILO SUBDIVISION
GRADING & DRAINAGE PLAN

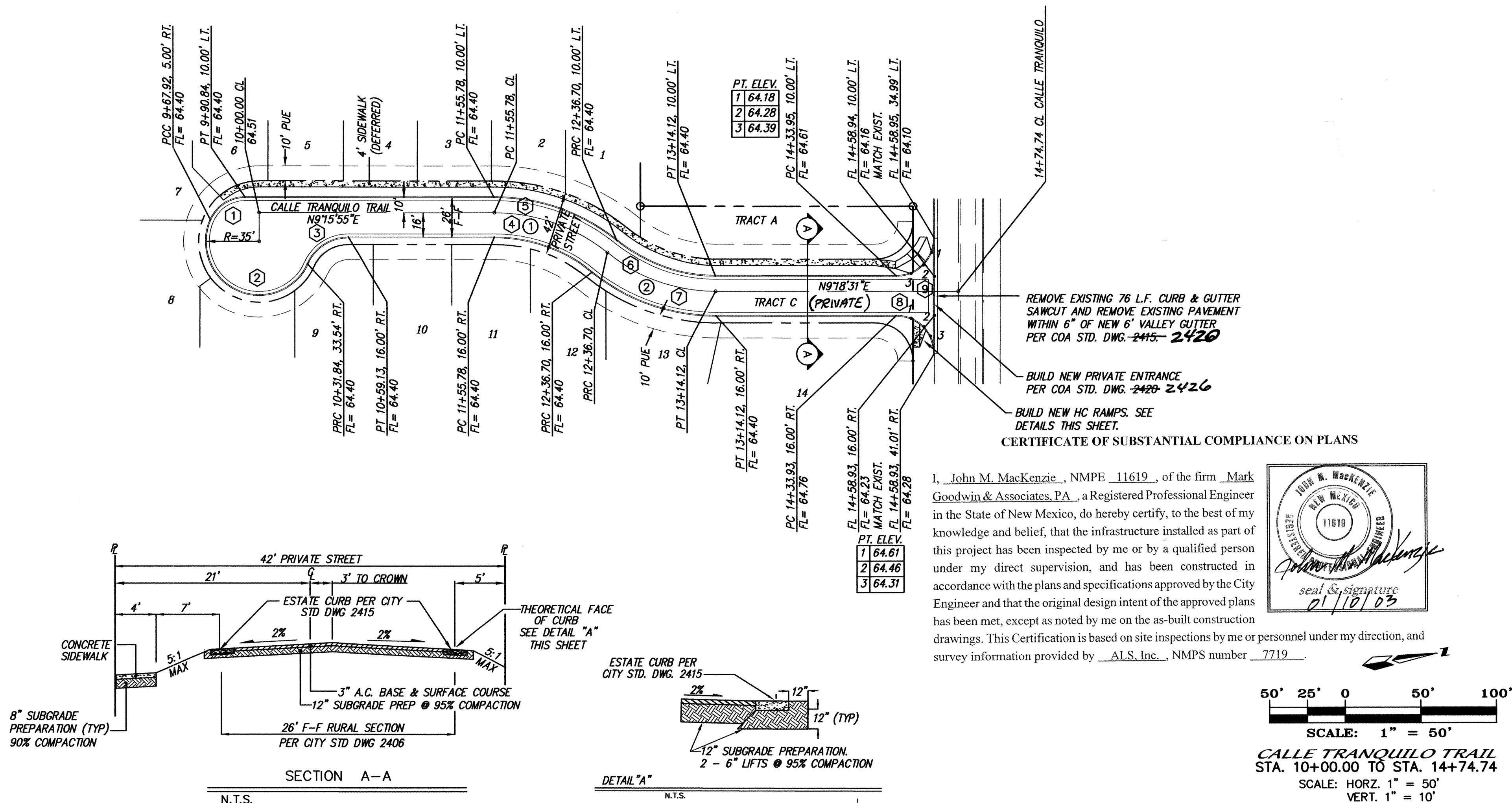
Table with 4 columns: DESIGN REVIEW COMMITTEE, CITY ENGINEER APPROVAL, MO./DAY/YR., and LAST DESIGN UPDATE. Includes signature lines and dates.



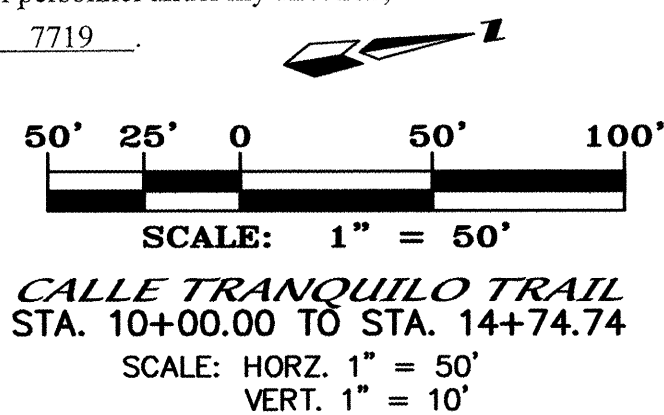
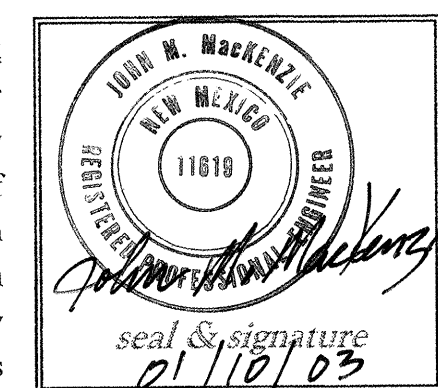
A = CURB RETURN POINT
B = QUARTER POINTS
C = 5' BEHIND FACE OF CURB RETURN
D = RIGHT OF WAY RETURN POINT



NOT TO SCALE



I, John M. MacKenzie, NMPE 11619, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by A.L.S. Inc., NMPS number 7719.



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta = 38^{\circ}57'26''$
 $R = 119.00'$
 $L = 80.91'$
 $T = 42.09'$

② $\Delta = 38^{\circ}54'50''$
 $R = 114.00'$
 $L = 77.43'$
 $T = 40.27'$

CURVE DATA - DESCRIBES FACE OF NEW CURB

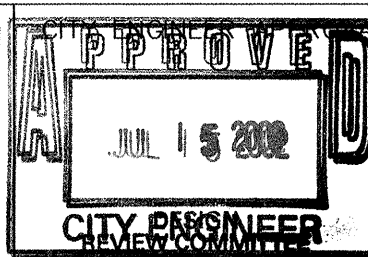
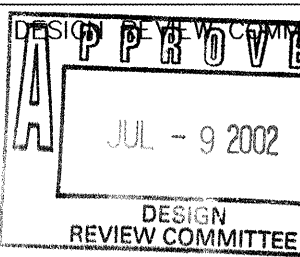
- ① $\Delta = 66^{\circ}25'19''$
 $R = 25.00'$
 $L = 28.98'$
 $T = 16.37'$
- ② $\Delta = 179^{\circ}02'05''$
 $R = 35.00'$
 $L = 108.37'$
 $T = N/A$
- ③ $\Delta = 65^{\circ}27'23''$
 $R = 30.00'$
 $L = 34.27'$
 $T = 19.28'$
- ④ $\Delta = 38^{\circ}57'26''$
 $R = 103.00'$
 $L = 70.03'$
 $T = 36.43'$
- ⑤ $\Delta = 38^{\circ}57'26''$
 $R = 129.00'$
 $L = 87.71'$
 $T = 45.63'$
- ⑥ $\Delta = 38^{\circ}54'50''$
 $R = 104.00'$
 $L = 70.63'$
 $T = 36.74'$
- ⑦ $\Delta = 38^{\circ}54'50''$
 $R = 130.00'$
 $L = 88.29'$
 $T = 45.93'$
- ⑧ $\Delta = 90^{\circ}00'44''$
 $R = 25.00'$
 $L = 39.28'$
 $T = 25.01'$
- ⑨ $\Delta = 89^{\circ}58'55''$
 $R = 25.00'$
 $L = 39.26'$
 $T = 24.99'$

[illegible]

 MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *CALLE TRANQUILO SUBDIVISION
CALLE TRANQUILO TRAIL
PAVING IMPROVEMENTS*



AST DESIGN UPDATE

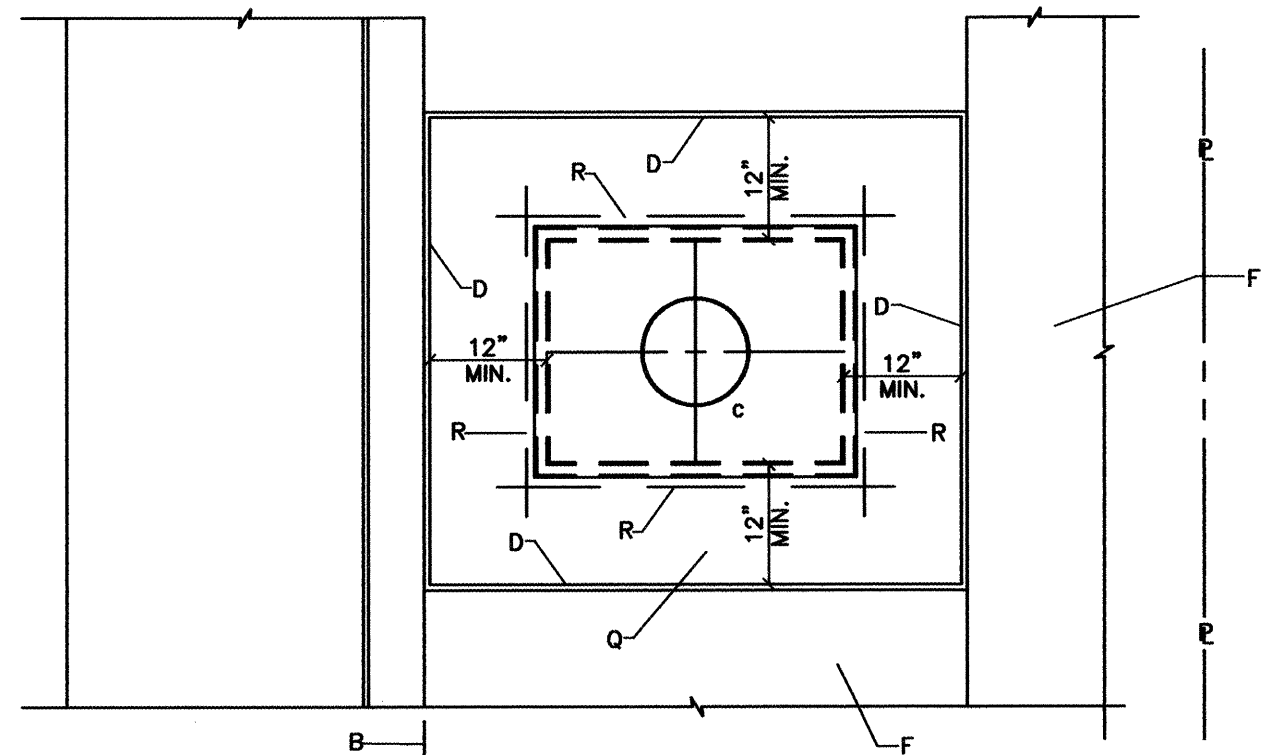
CITY PROJECT NO. _____

ZONE MAP NC

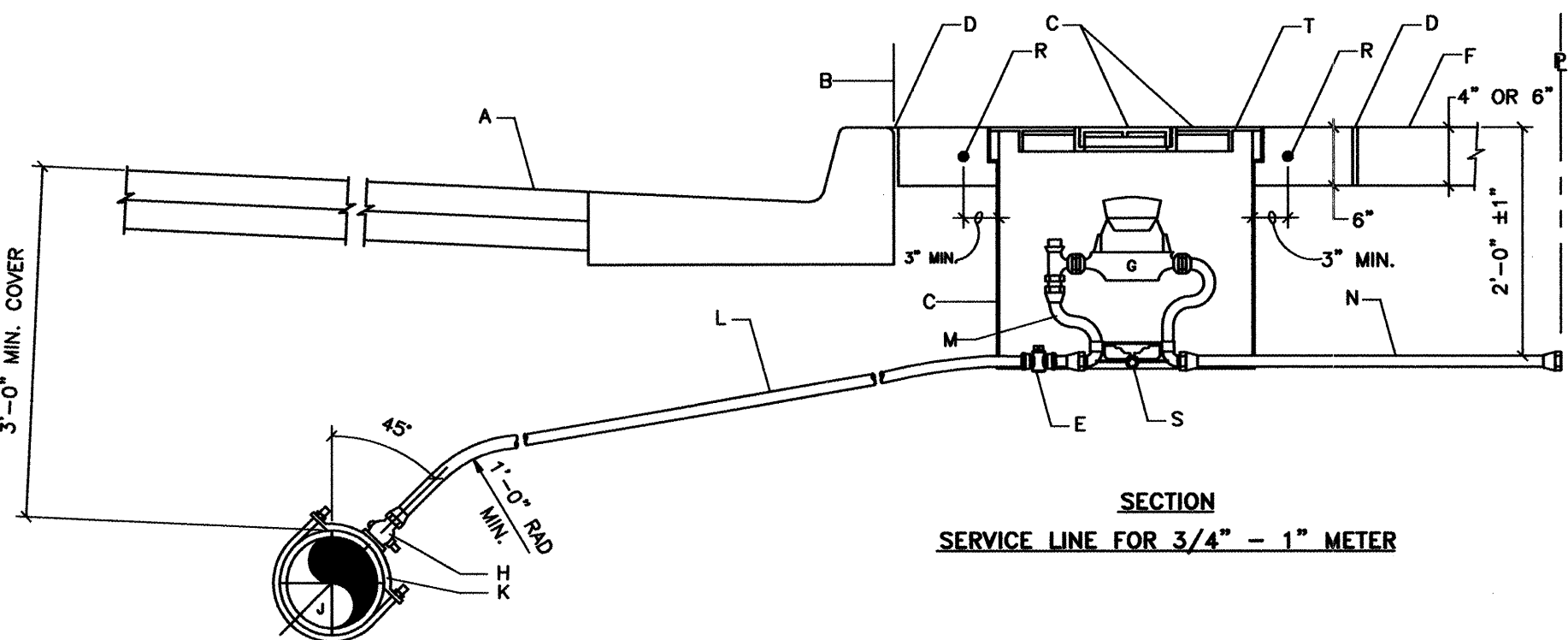
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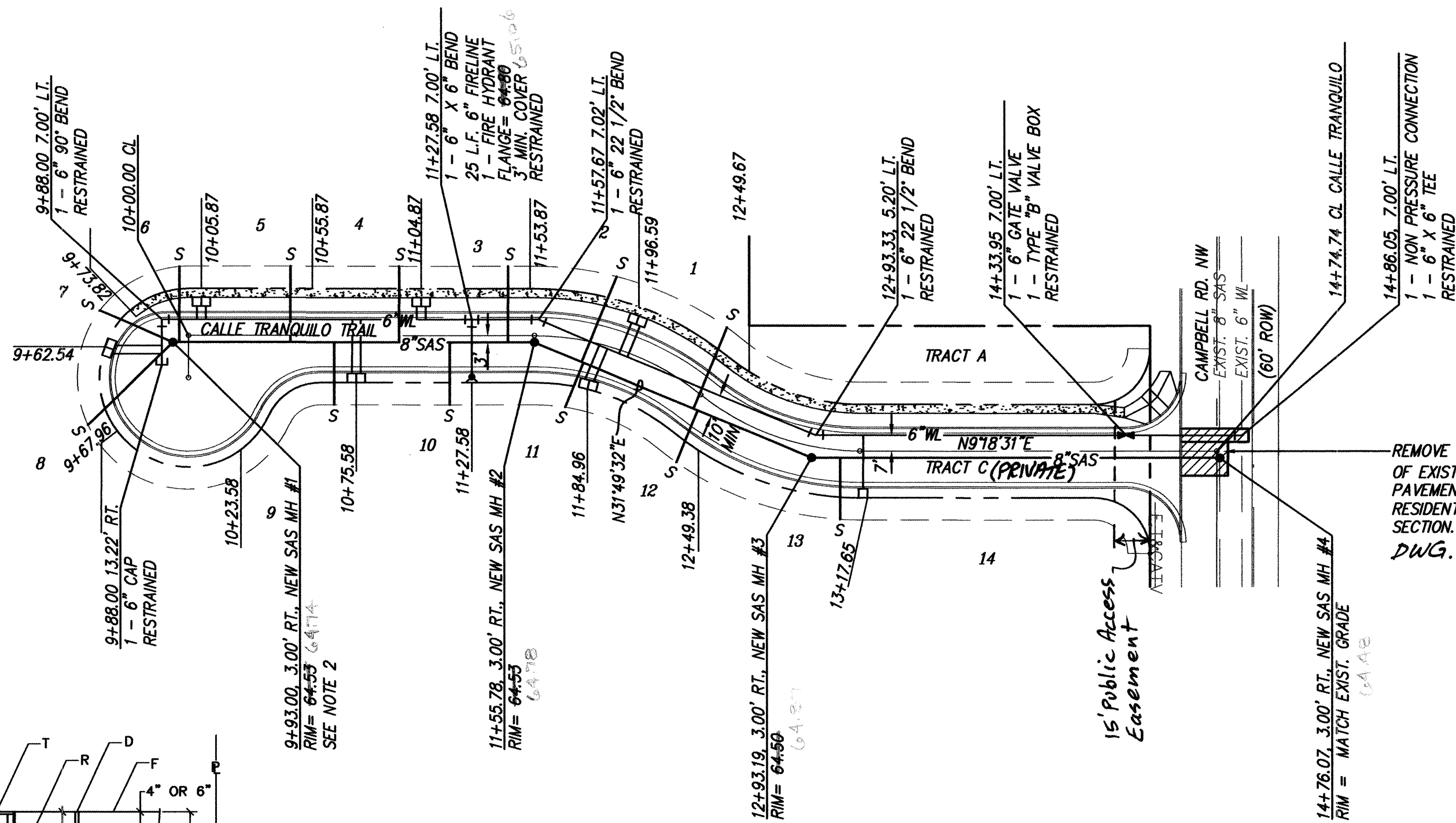
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PLAN
SEE DWG. 2361 FOR TYPICAL INSTALLATIONS



SECTION
SERVICE LINE FOR 3/4" - 1" METER



CONSTRUCTION NOTES:

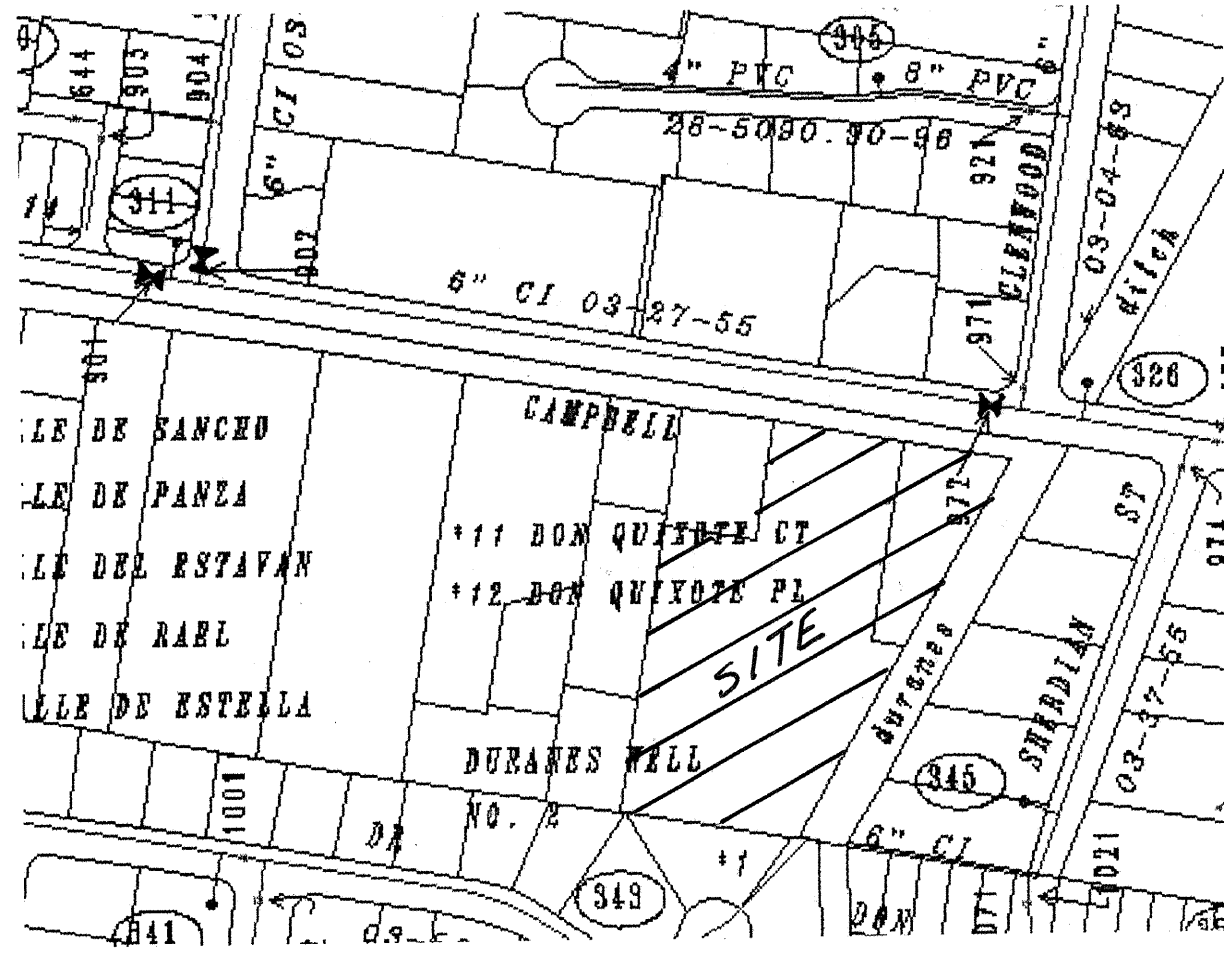
- A STREET SURFACE.
B BACK OF CURB.
C CAST IRON METER BOX, COVER AND LID.
SEE DWG. 2368 OR 2369.
D 1/2" EXPANSION JOINT.
E CURB STOP, LOCATE INSIDE METER BOX.
F SIDEWALK OR DRIVEPAD.
G METER. TOP OF METER TO BE 12"-18" BELOW COVER.
H CORP STOP.
J MAIN WATER LINE.
- K TAPPING SADDLE.
L COPPER SERVICE LINE.
M COPPER SETTER.
N TAILPIECE TO PROPERTY LINE WITH INSTA-TITE I.P.T. CAPPED FITTING.
Q CONCRETE PAD REQUIRED IN ALL AREAS.
R #4 REBAR CONTINUOUS ALL AROUND METER BOX.
S STABILIZER BAR. 12" LONG X 1/2" DIAMETER GALVANIZED STEEL PIPE.
T METER BOX LID SHALL BE FLUSH WITH SURROUNDING SIDEWALK.

GENERAL NOTES:

- 1 THE METER SHALL BE SET UTILIZING A COPPER-SETTER. COPPER-SETTER HEIGHT 10" FOR 1" METER. 7" FOR 3/4" METER.
2 THE VALVE AND METER REGISTER BOX SHALL BE LOCATED UNDER THE LID OPENING. WHERE TWO METERS ARE TO BE INSTALLED IN A SINGLE METER BOX, THE METER REGISTERS SHALL BE WITHIN READING RANGE OF THE LID OPENING.
3 METER BOX LOCATION TO CONFORM TO DWG. 2361.
4 WHEN CONTRACTOR DOES NOT INSTALL METER, CONTRACTOR SHALL PROVIDE REMOVABLE PLUGS FOR END OF COPPER-SETTER.
5 EXISTING CONCRETE TO BE SAWCUT.
6. **Install Back Flow Preventers**

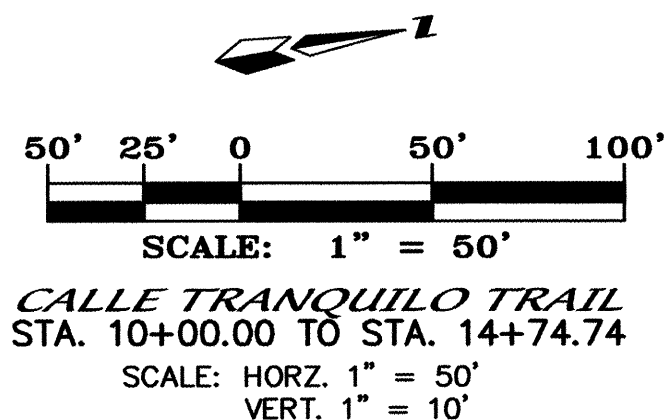
NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. REFER TO COA STD. DWG. 2118 FOR SERVICE LINE INTO MANHOLE.



VALVE SHUT-OFF PLAN

1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200 7 WORKING DAYS PRIOR TO NECESSARY SHUT-OFF.
2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.
3. TURN OFF VALVE 901, 902, & 972 AS SHOWN ABOVE.



SANITARY SEWER SERVICES

LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	12+29.04	58.64	39.23'
2	11+85.51	58.91	41.34'
3	11+43.87	59.37	34.00'
4	10+94.87	59.41	34.00'
5	10+45.87	59.48	34.00'
6	9+95.87	59.43	33.83'
7	9+60.09, 11.11 LT	59.49	35.81'
8	9+54.77, 40.31 RT	59.73	53.42'
9	10+65.58	59.55	28.00'
10	11+17.58	59.40	28.00'
11	11+74.61	58.91	21.56'
12	12+45.00	58.63	25.29'
13	13+07.17	58.25	27.73'

*INSTALL SAS SERVICES INTO MHS PER CITY STD. DWG 2118

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	VALVE
6"	17'	7'	3'	46'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)

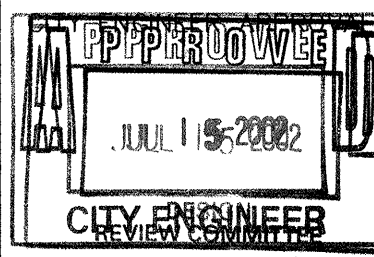
PIPE SIZE	RUN	BRANCH
6"x6"x6"	10'	2'

dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS
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ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: CALLE TRANQUILO SUBDIVISION
CALLE TRANQUILO TRAIL
UTILITY IMPROVEMENTS



CITY PROJECT NO.

ZONE MAP NO.

SHEET OF

687681

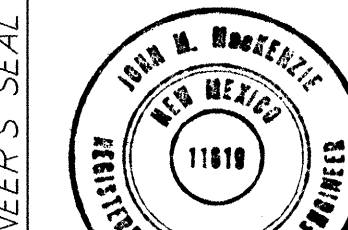
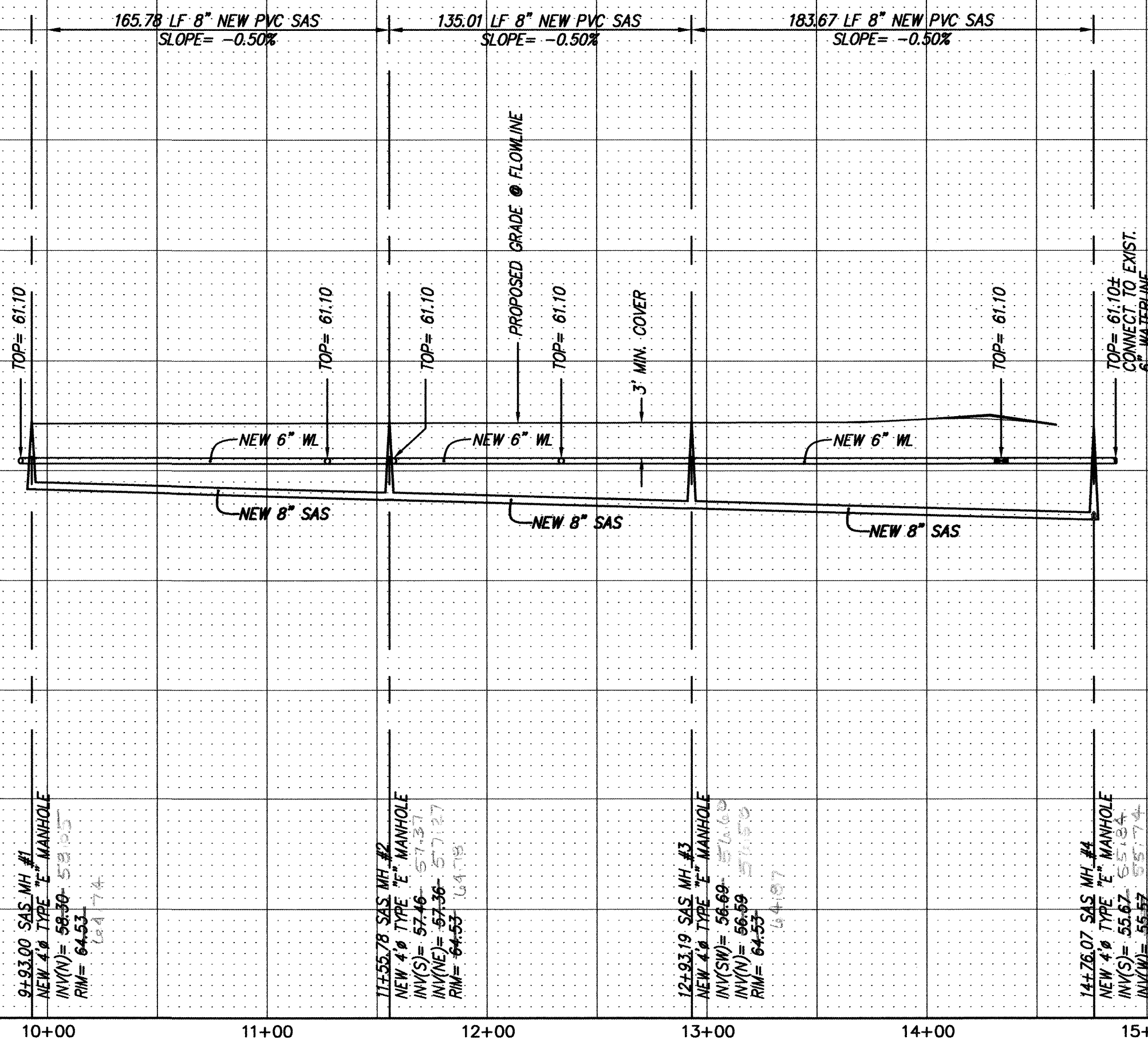
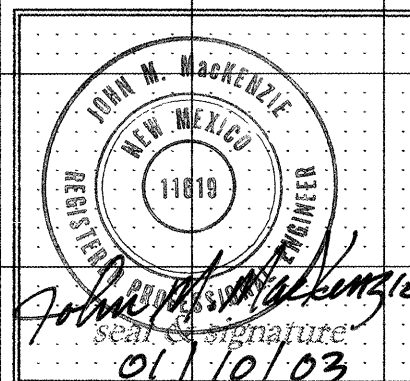
G-12-Z

6 8

A01074/1074UT-1/06-13-02/ MJR NHE

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, John M. MacKenzie, NMPE 11619, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.



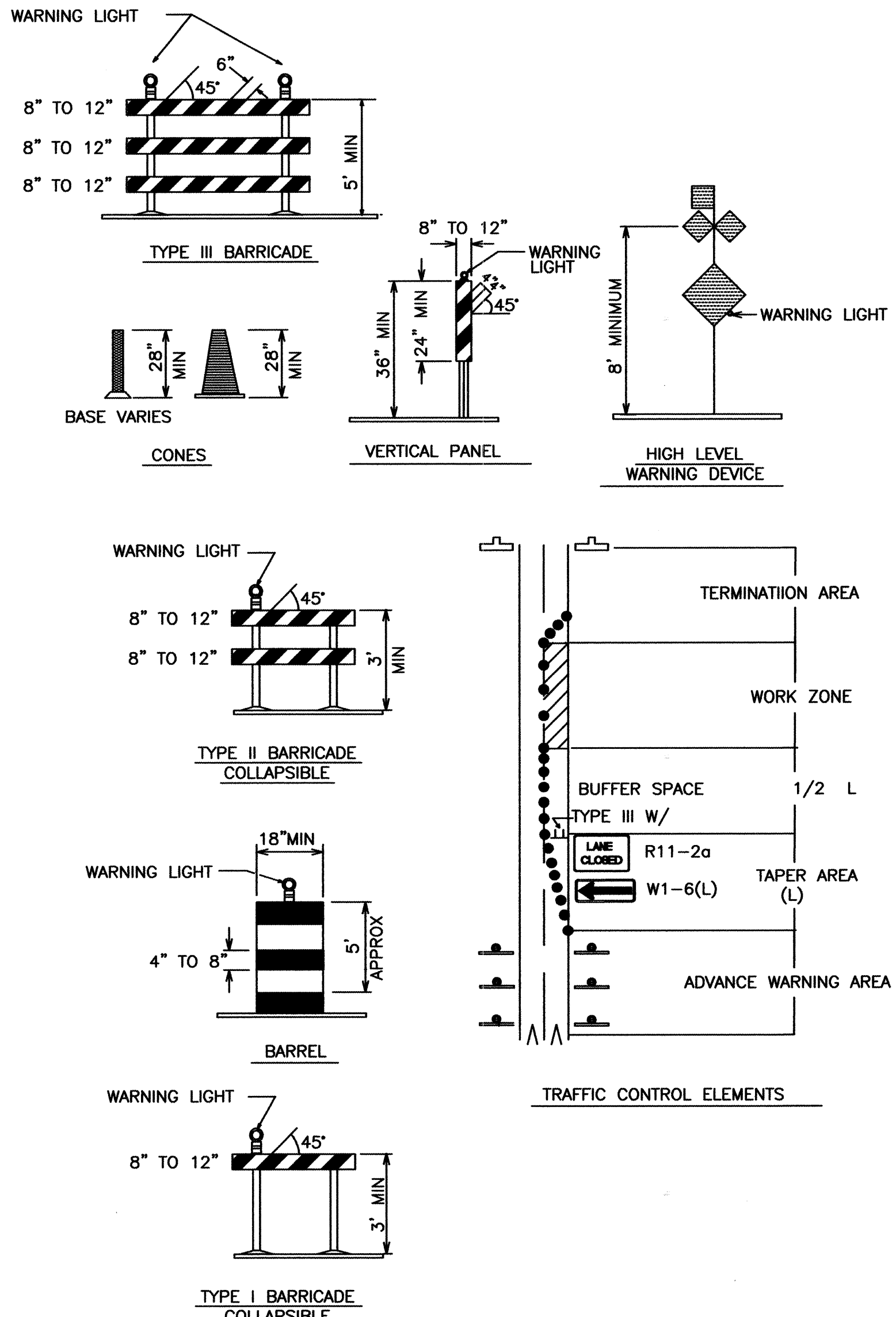
NO.	DATE	REMARKS	BY
		DESIGN	
		REVISIONS	
		DATE	
		DATE	
		DATE	

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

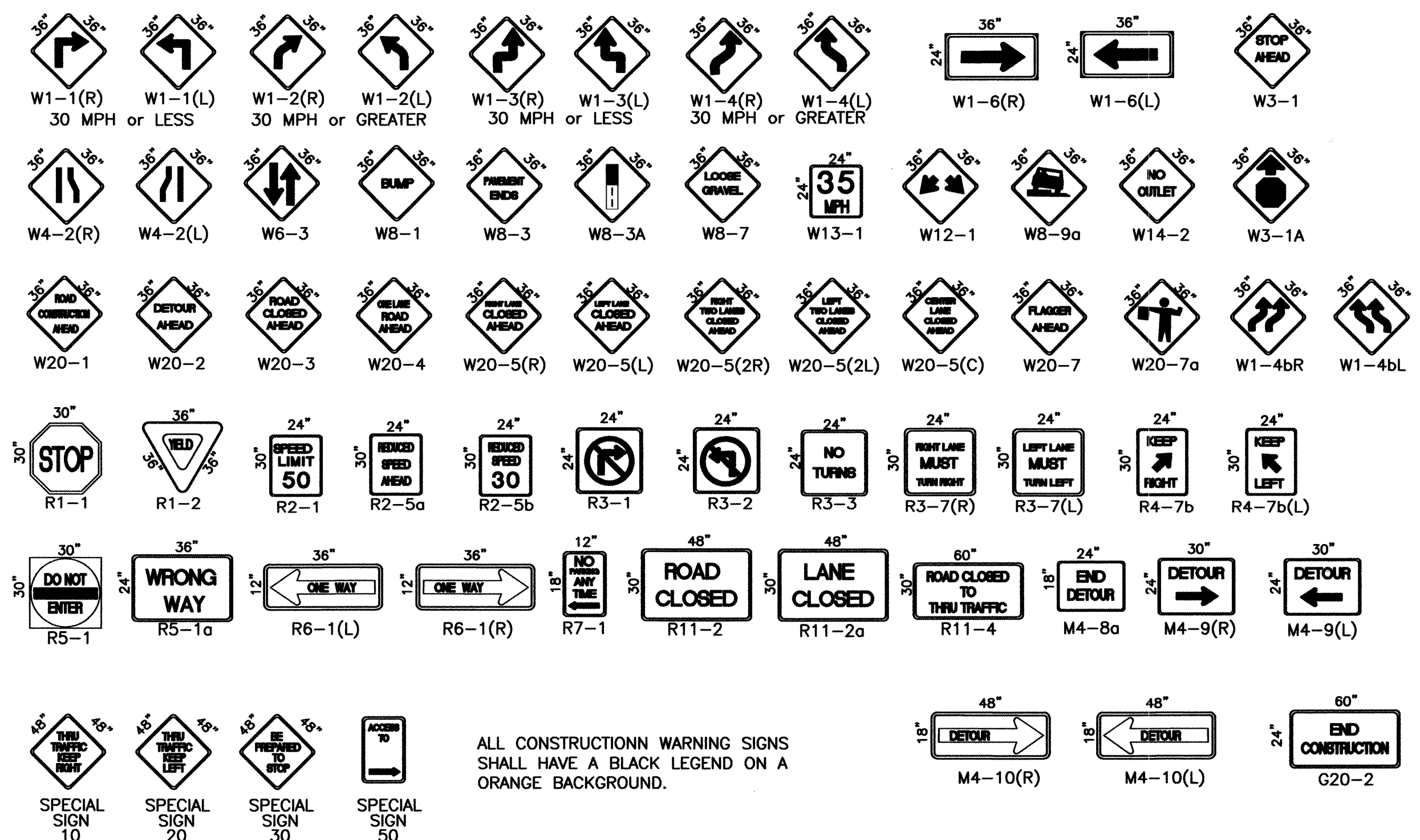
1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
- STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

LEGEND

- WORK AREA
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
SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET
TAPER LENGTH - SEE CHART BELOW
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENT

SPEED LIMIT (MPH)	TAPER LENGTH(L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT
40 MPH OR LESS $L = \frac{WS^2}{60}$
40 MPH OR GREATER $L = W \times S$
L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

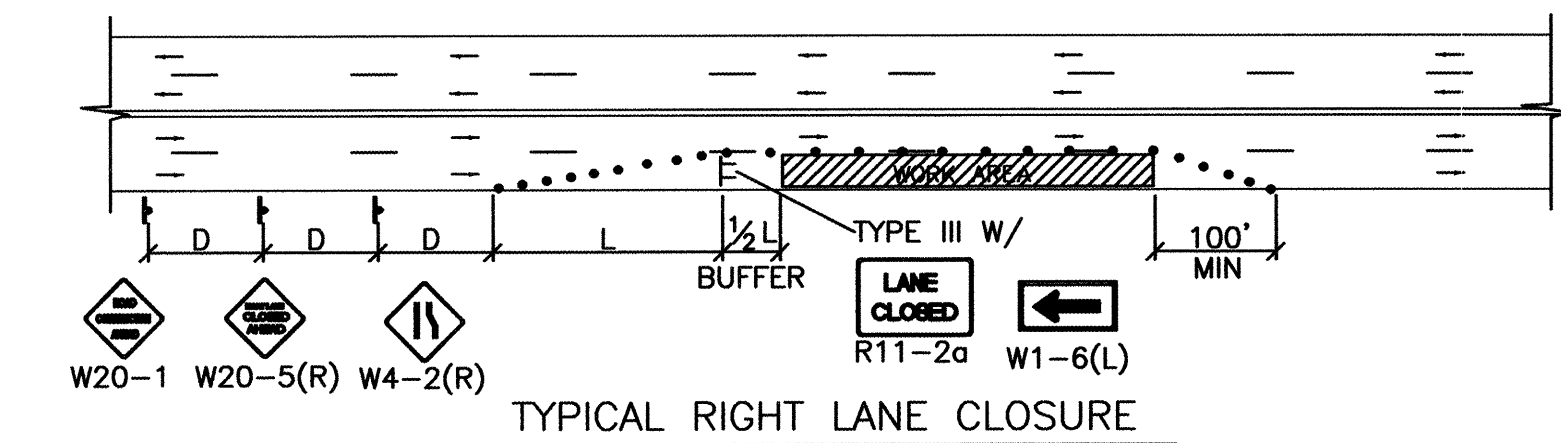
TITLE: **CALLE TRANQUILO SUBDIVISION TRAFFIC CONTROL PLAN**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
C.O.A. STANDARD	C.O.A. STANDARD		
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
687681	G-12-Z	7	8

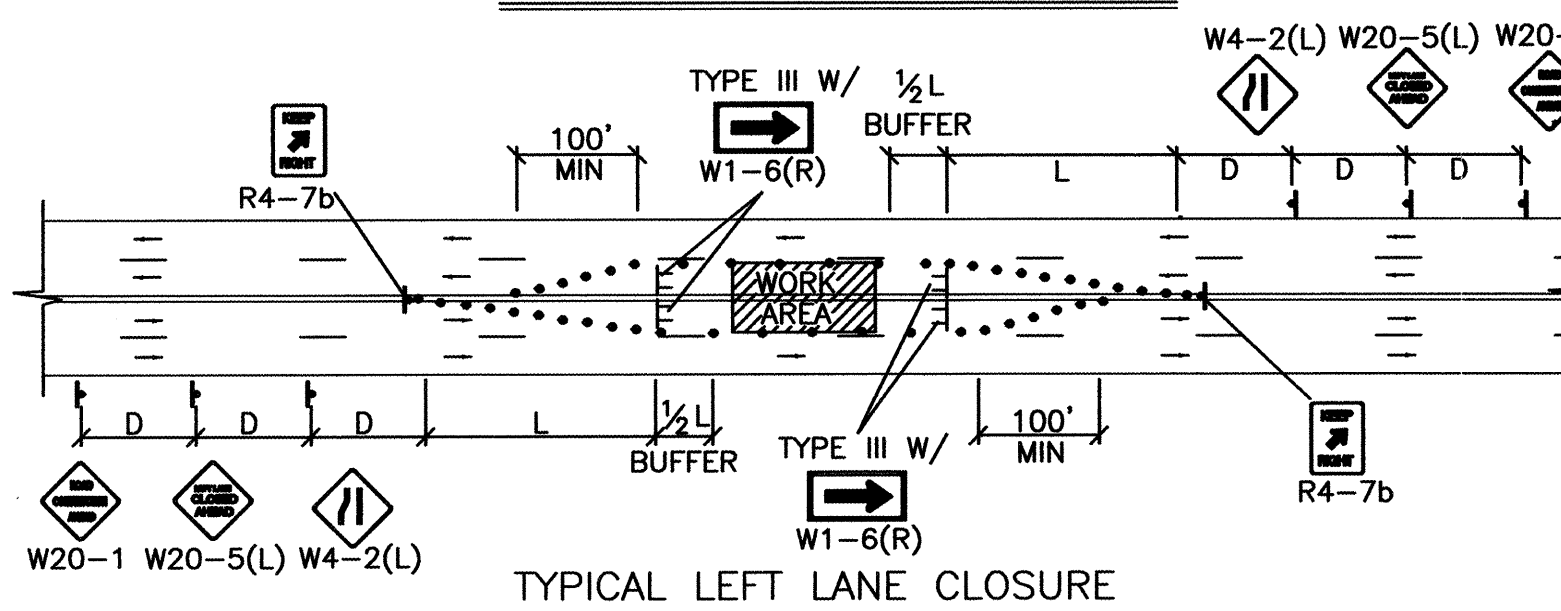
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MESA REPRO

\\BH-MAIN\PROJECTS\97177\TRANS\DESIGN SIGNAL\CITYSIGN.DWG
CITYSIGN.DWG 6-11-97

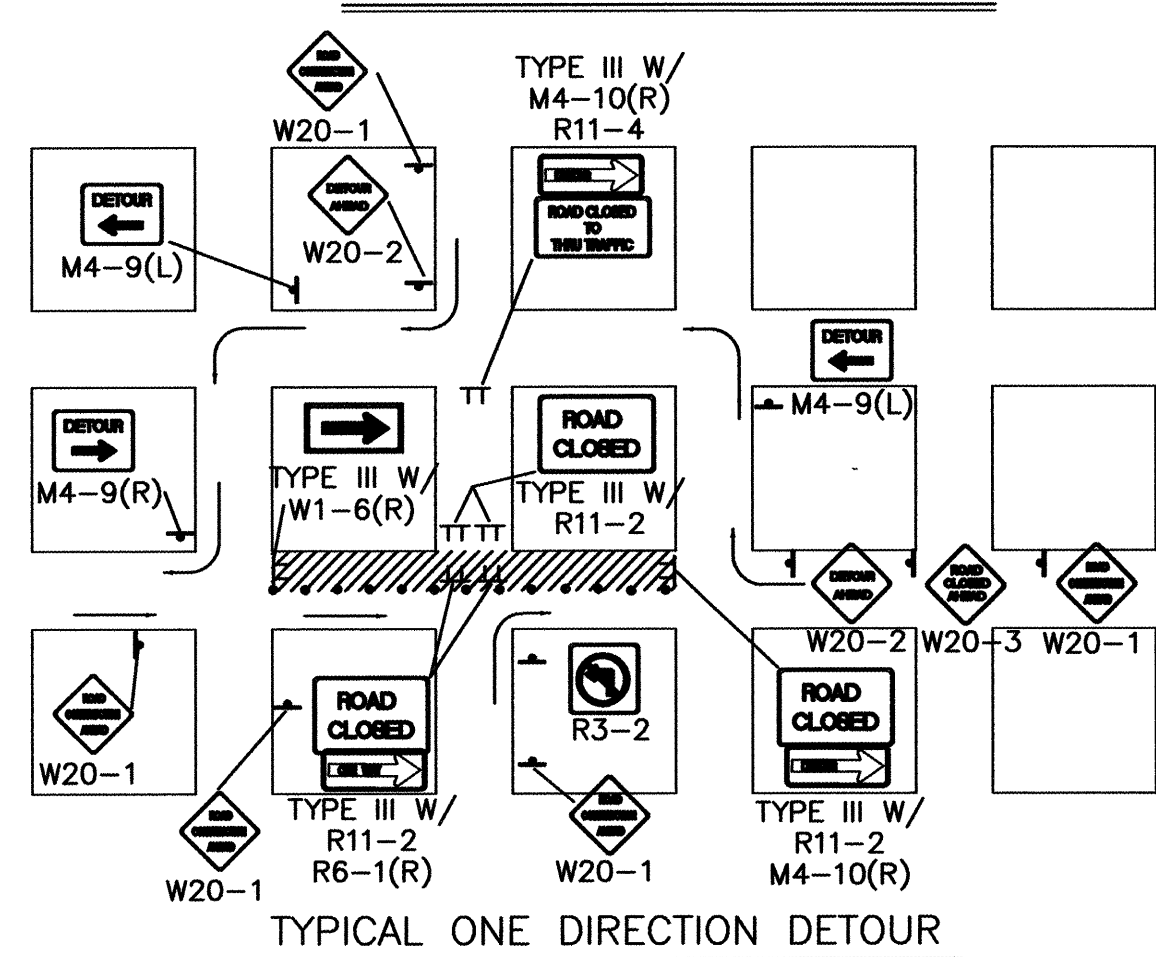
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MESA REPHO



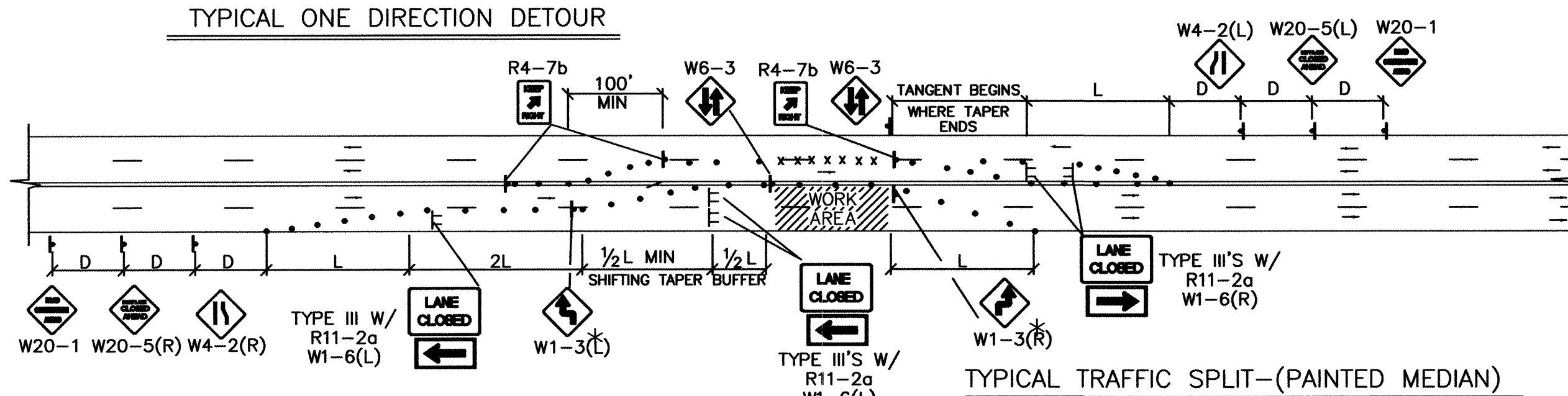
TYPICAL RIGHT LANE CLOSURE



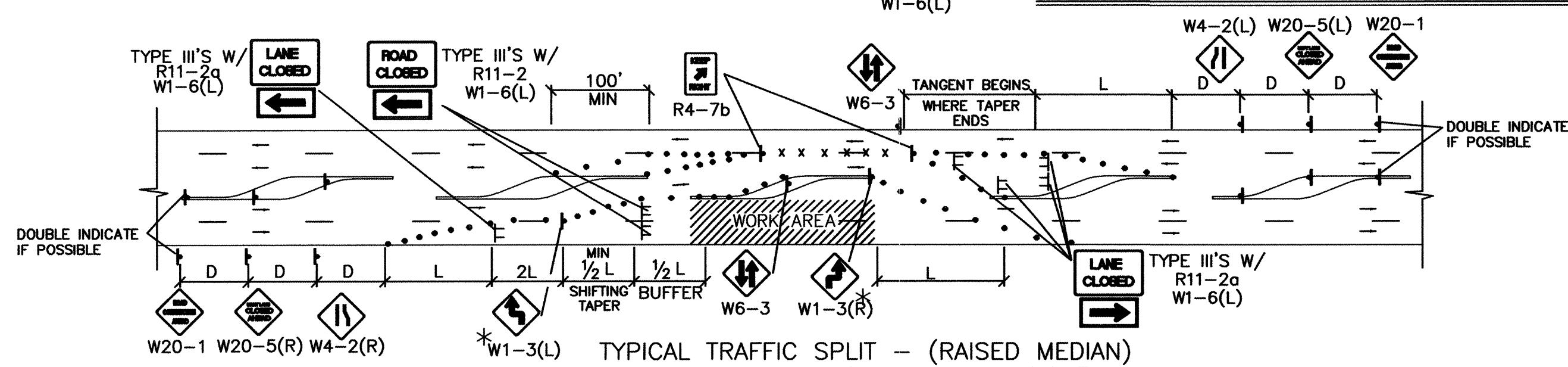
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR



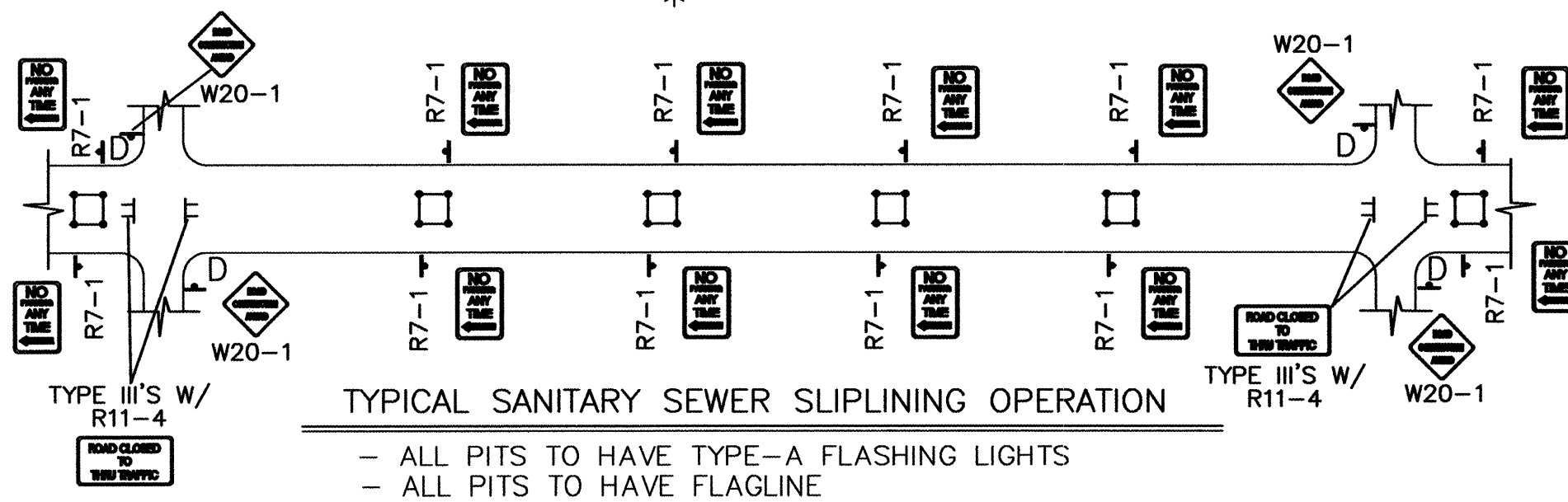
TYPICAL TRAFFIC SPLIT--(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT - (RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



TYPICAL SANITARY SEWER SLIPLINING OPERATION

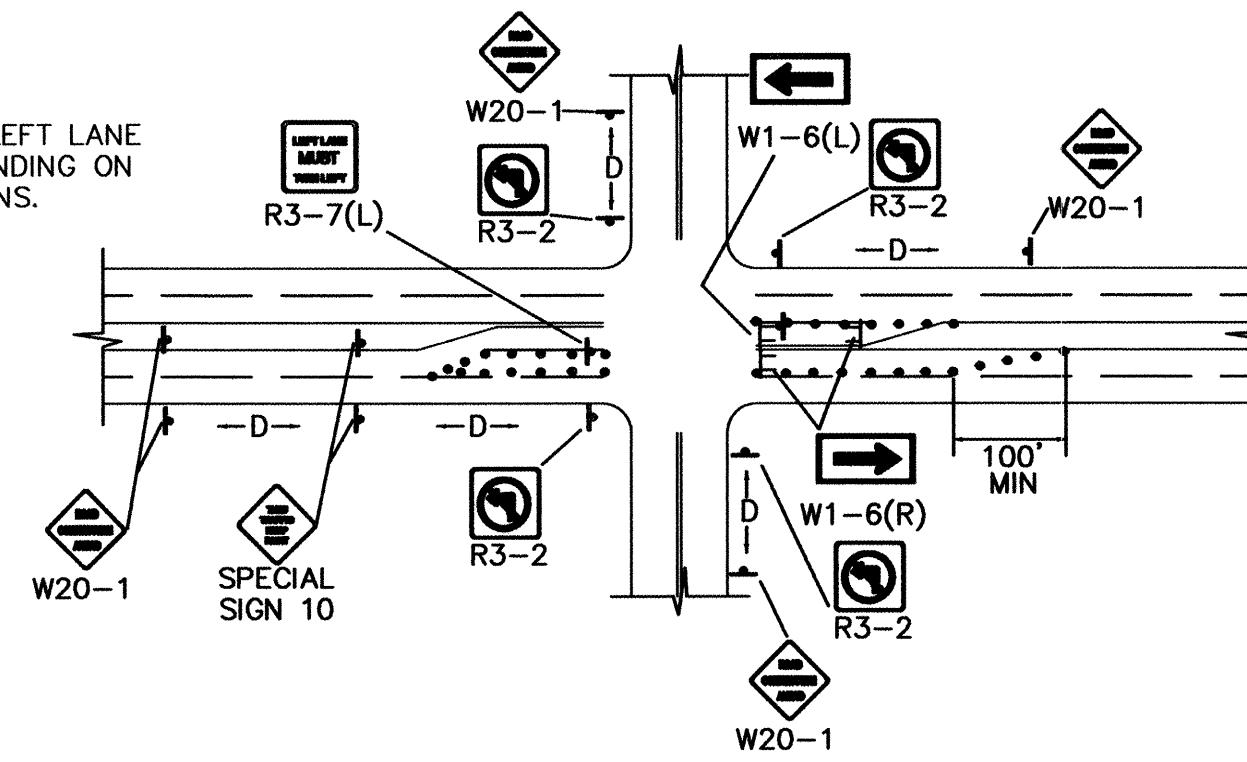
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON AN ORANGE BACKGROUND.

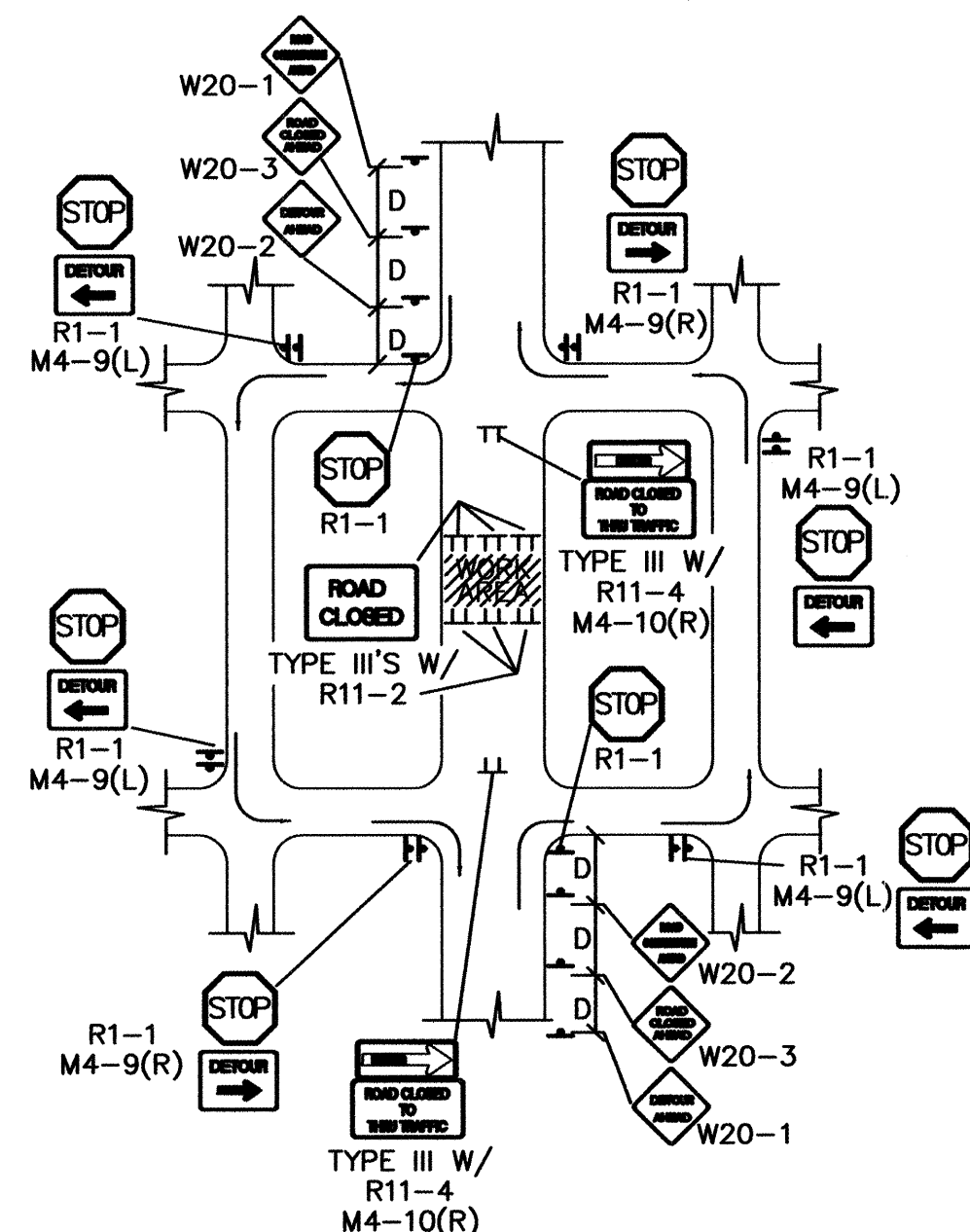
- ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

NOTE:
MAY REQUIRE LEFT LANE
CLOSURE DEPENDING ON
FIELD CONDITIONS.



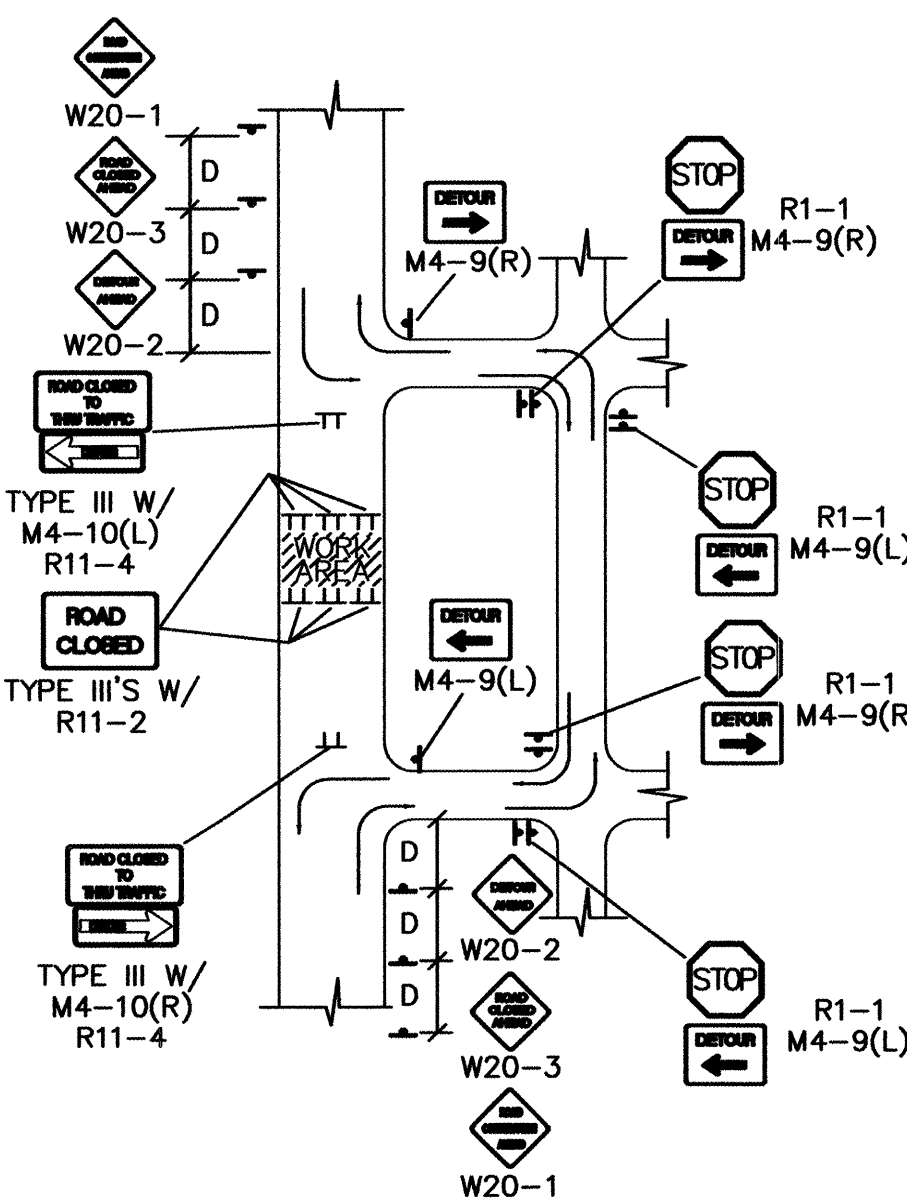
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



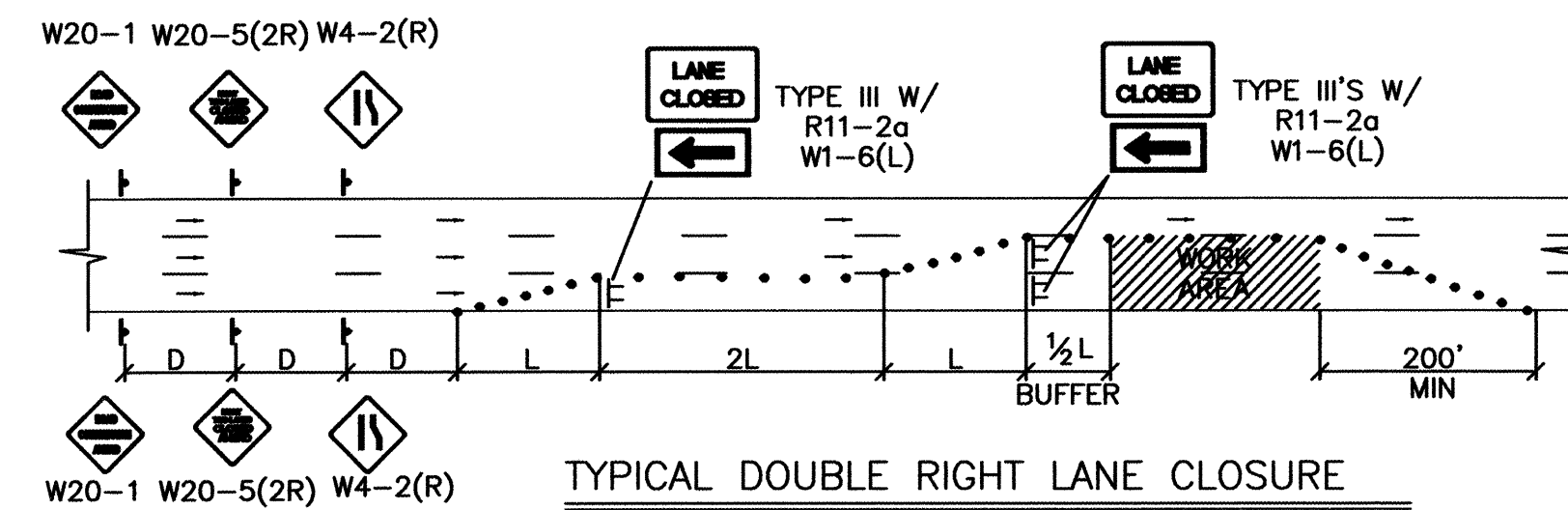
TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

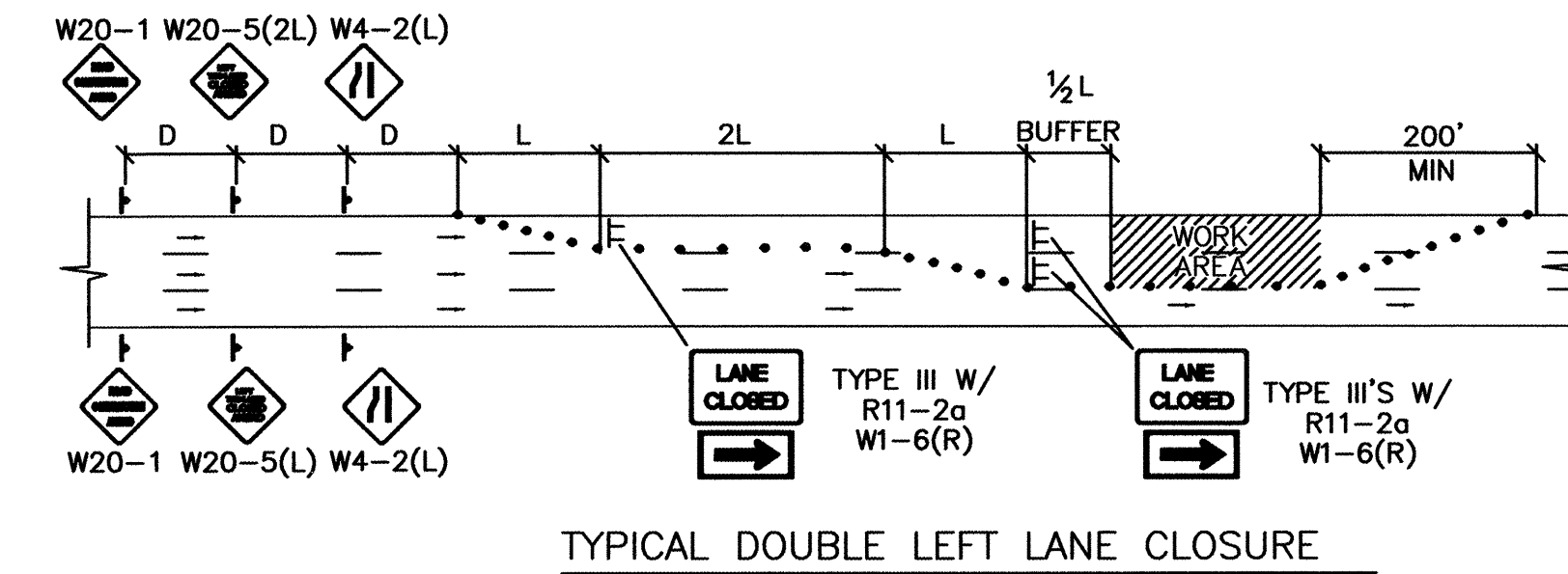


TYPICAL STREET CLOSURE

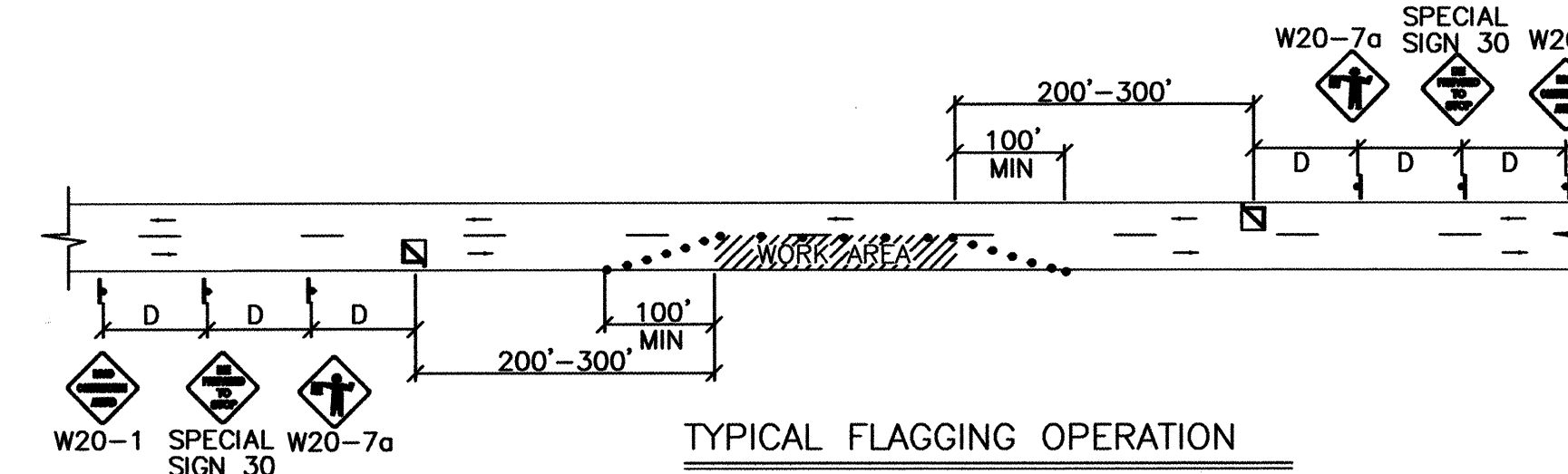
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



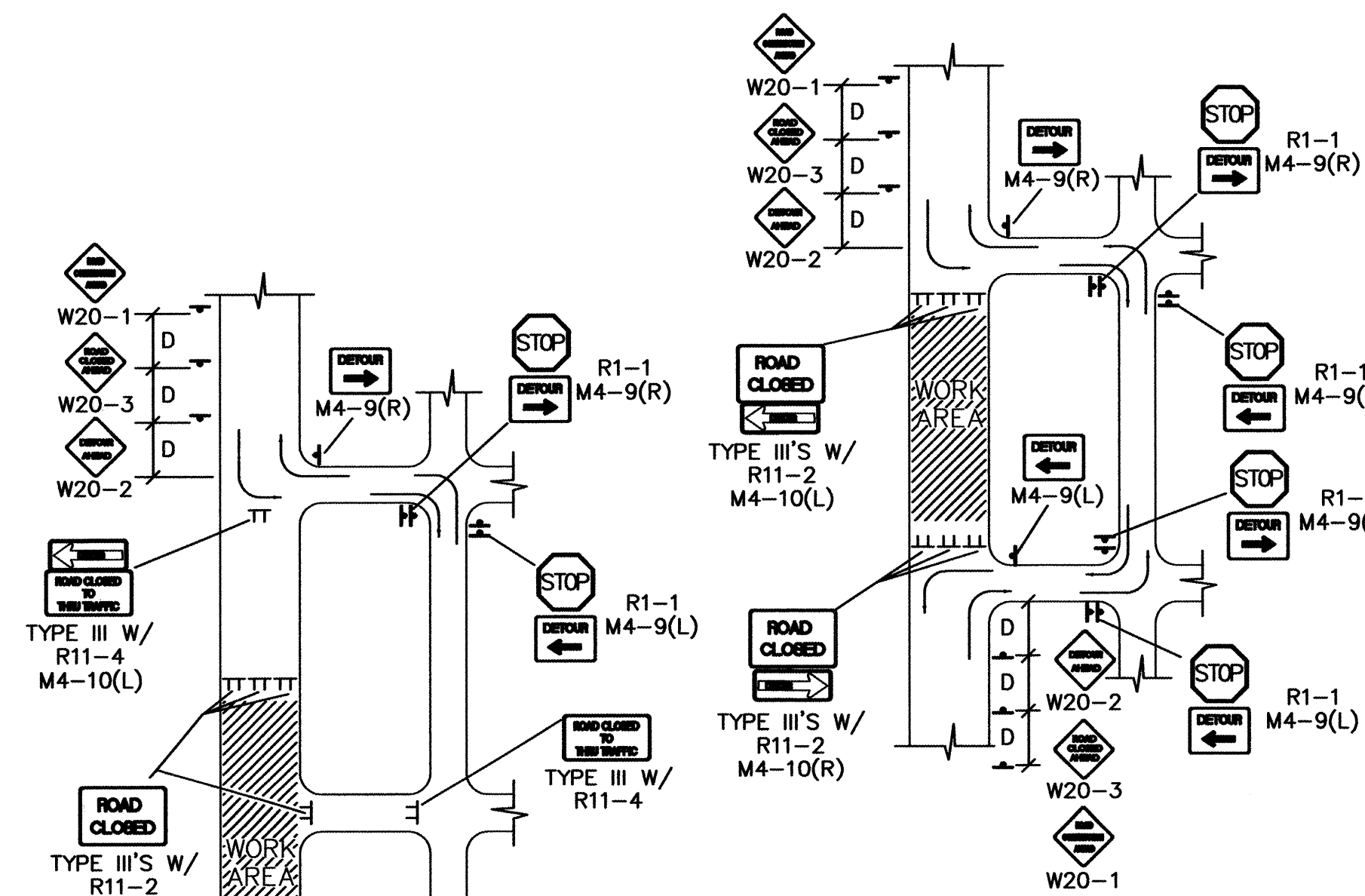
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



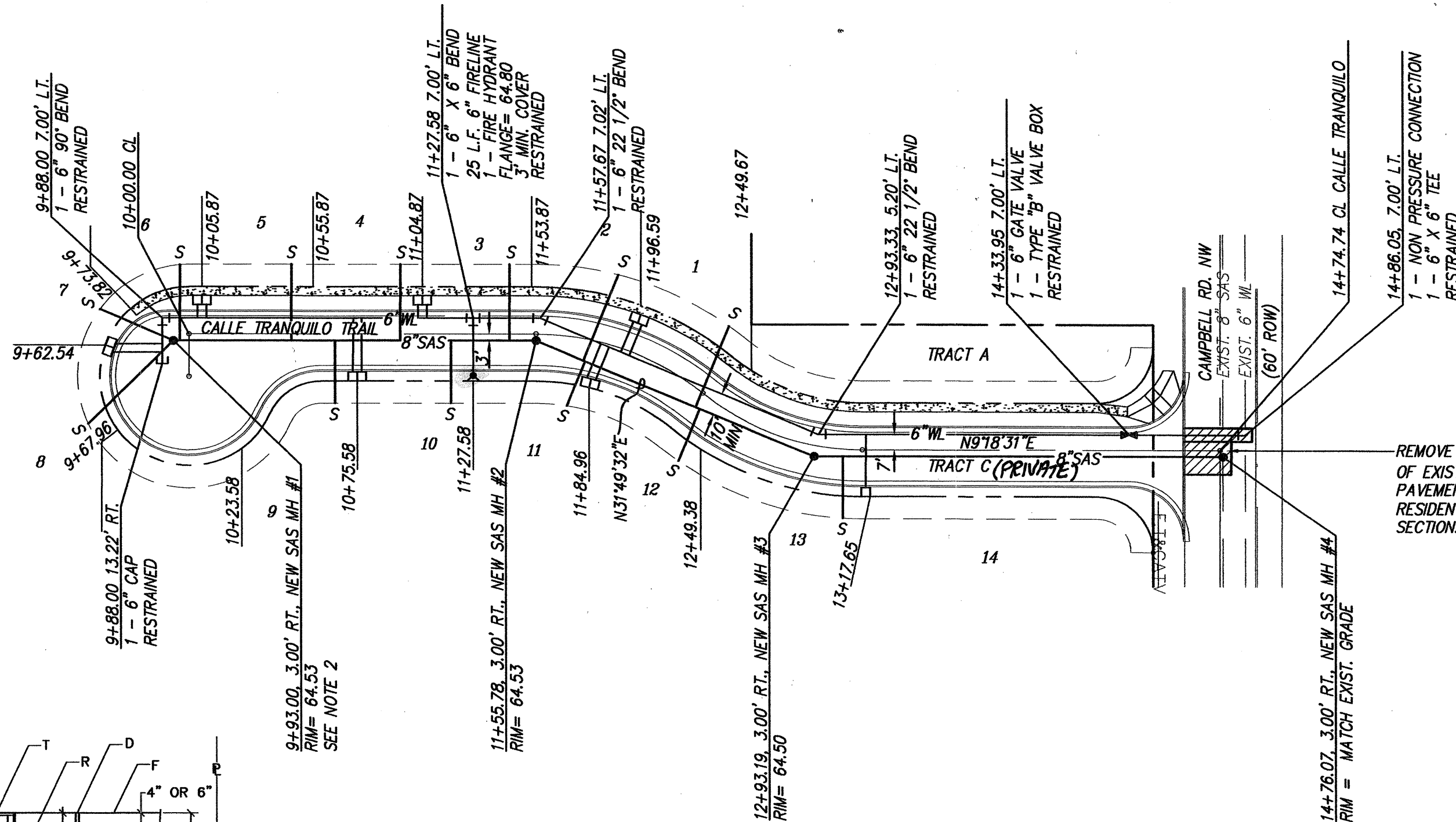
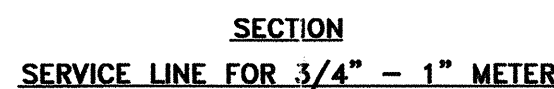
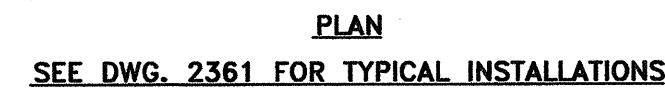
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **CALLE TRANQUILLO SUBDIVISION
TRAFFIC CONTROL PLAN**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
C.O.A. STANDARD	C.O.A. STANDARD		
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
687681	G-12-Z	8	8

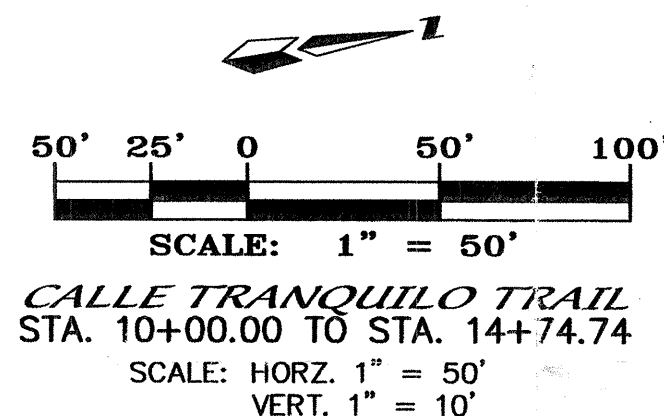
C.O.A. STANDARD

NO.	DATE	BY	J.D.L.
1	9/24/97	REVISOR	
2	10/1/97	DESIGN	
3	10/1/97	DESIGN	
4	10/1/97	DESIGN	
5	10/1/97	DESIGN	
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97	10/1/97	DESIGN	
98	10/1/97	DESIGN	
99	10/1/97	DESIGN	
100	10/1/97	DESIGN	



—REMOVE AND REPLACE 58 SY
OF EXIST. ASPHALT CEMENT
PAVEMENT. MATCH EXIST.
RESIDENTIAL PAVEMENT
SECTION.

AFD PLANS CHECKING OFFICE
924-3611
APPROVED / DISAPPROVED
HYDRANT(S) ONLY
JMD 6.17.0
SIGNATURE & DATE



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. REFER TO COA STD. DWG. 2118 FOR SERVICE LINE INTO MANHOLE.

VALVE SHUT-OFF PLAN

1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200 3 DAYS PRIOR TO NECESSARY SHUT-OFF.
2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.
3. TURN OFF VALVE 901, 902, & 972 AS SHOWN ABOVE.

SANITARY SEWER SERVICES			
LOT	STATION AT PUE	INV. AT ELEV. AT PUE	LENGTH AT PUE
1	12+29.04	58.64	39.23'
2	11+85.51	58.91	41.34'
3	11+43.87	59.37	34.00'
4	10+94.87	59.43	34.00'
5	10+45.87	59.43	34.00'
6	9+95.87	59.43	33.83'
7	9+60.09, 11.11LT	59.49	35.81'
8	8+54.77, 40.31RT	59.73	53.42'
9	10+65.88	59.55	28.00'
10	11+1.58	59.40	28.00'
11	11+74.51	59.41	21.56'
12	12+45.00	58.63	25.29'
13	13+02.17	58.25	22.23'

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VAL
6"	17'	7'	3'	2'	46'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF
THE BEND. RESTRAIN BRANCH AT FITTING ONLY
MINIMUM ATTACHED PIPE LENGTH, RUN SIDE
OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
6"x6"x6"	10'	2'

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

**TITLE: *CALLE TRANQUILLO SUBDIVISION
CALLE TRANQUILLO TRAIL
UTILITY IMPROVEMENTS***

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 687681		ZONE MAP NO. G-12-Z	SHEET 6 OF 8	

ENGINEER'S SEAL

SURVEY INFORMATION

BENCH MARKS

AS BUILT INFORMATION

CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

REGISTRATION ON THE LEFT. THE STATION MARK IS A STANDARD ACS
BRASS TABLET STAMPED "3-G12" SET IN TOP OF CONCRETE POST,
2.20 FT. ABOVE GROUND. X = 372889.43, Y = 1498606.10
3-G = .9998812, DELTA ALPHA = -0°4'40" (NAD 1927)

DESIGN		DATE	04/02
DESIGNED BY	JMM	DATE	04/02
DRAWN BY	MJR	DATE	04/02

MO./DAY/YR.

6 OF 8