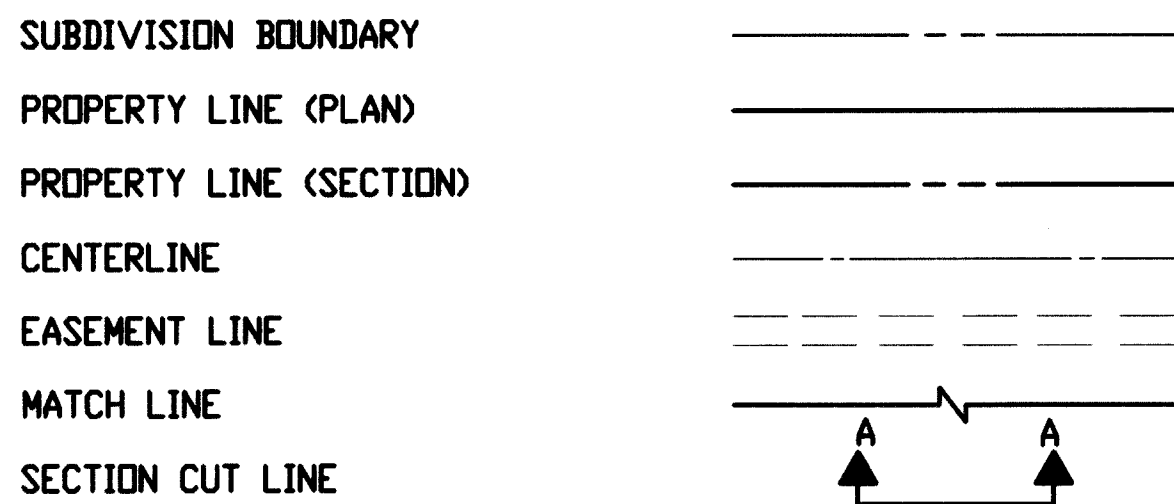


• L E G E N D •

MATERIALS



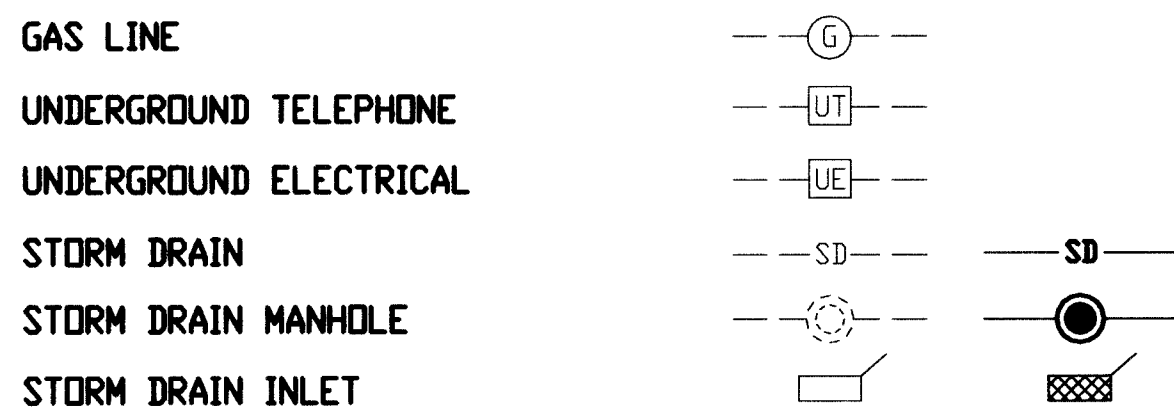
LINES



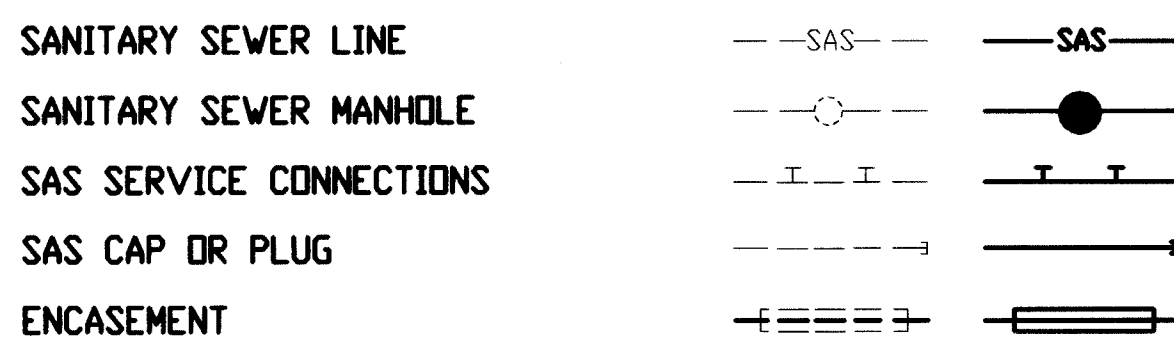
EARTHWORK



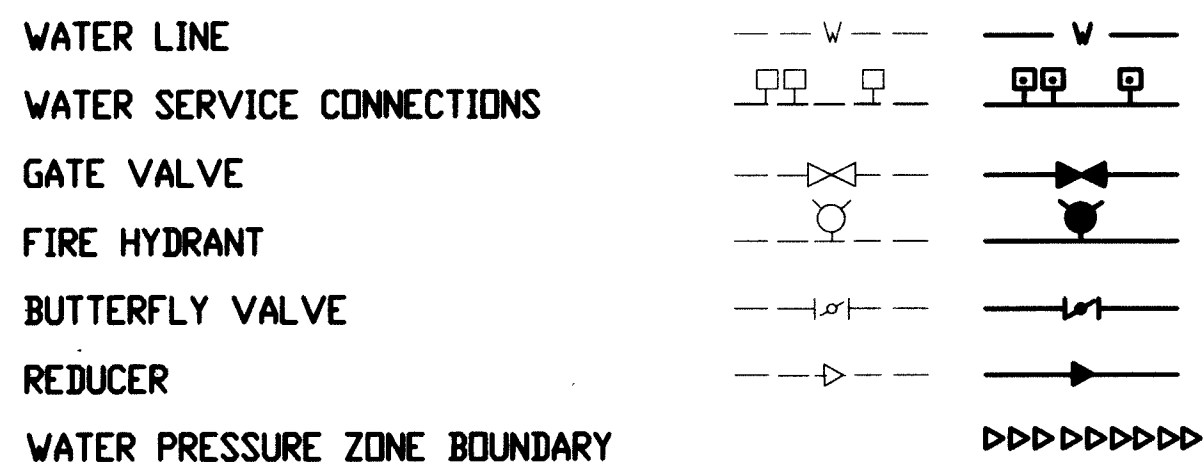
MISCELLANEOUS UTILITIES



SANITARY SEWER



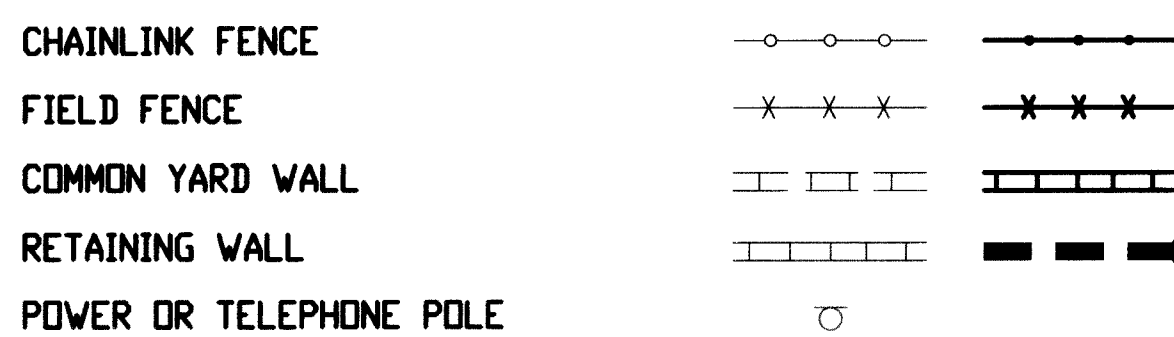
WATER



WATER FITTINGS



MISCELLANEOUS



RECORD DRAWING

CONSTRUCTION PLANS

for

WESTERN MOBILE OF
NEW MEXICO
CHAPPELL ROAD N.E.
WATERLINE EXTENSION

ALBUQUERQUE, NEW MEXICO

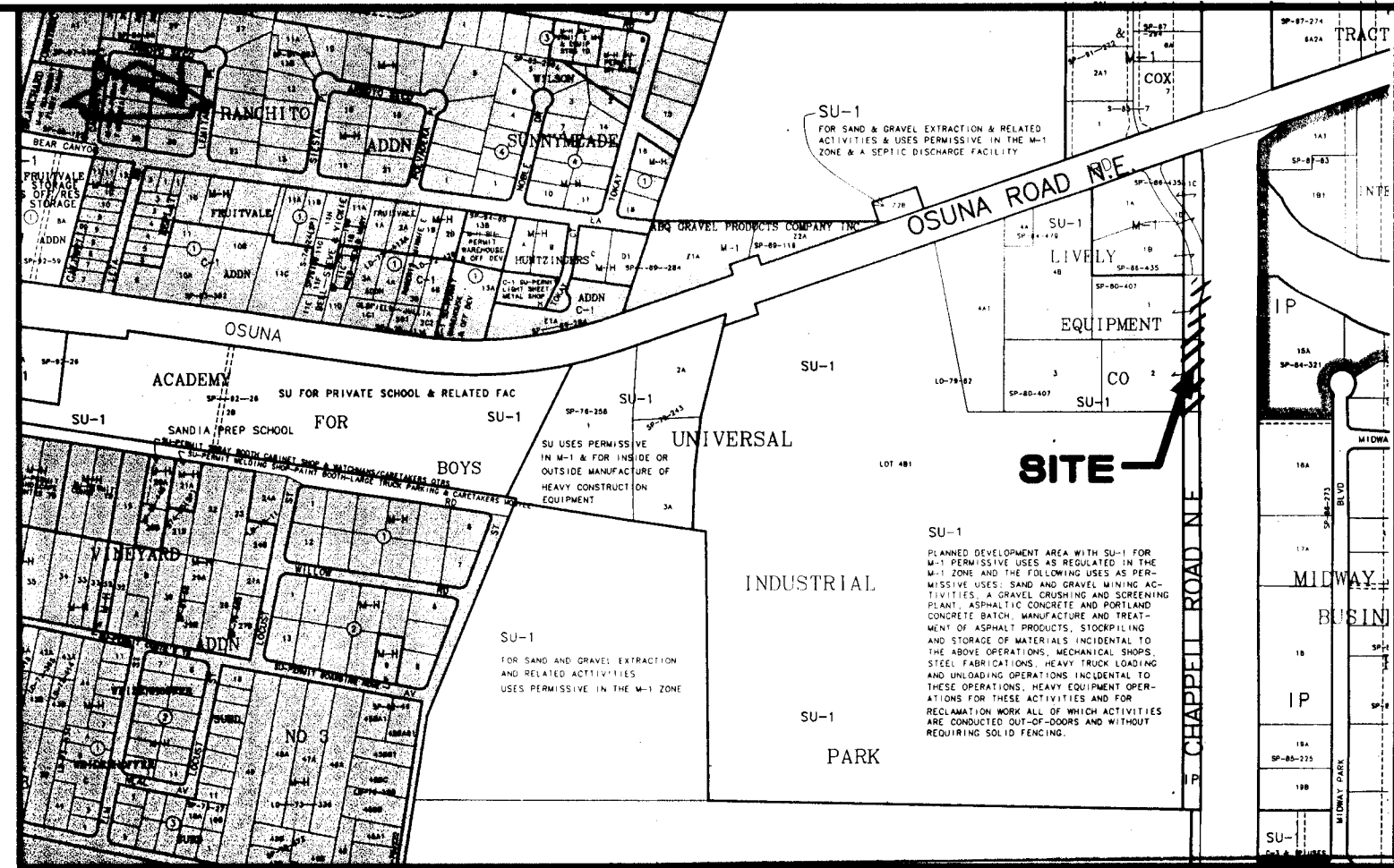
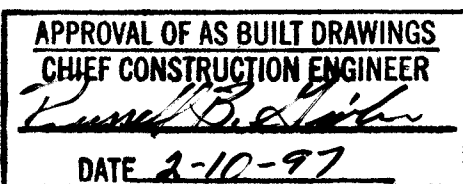
APRIL, 1996

INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	PLAT
3	FIRE PROTECTION PLAN (FOR INFORMATION ONLY)
4	WATERLINE EXTENSION PLAN AND PROFILE STA. 12+90.16 TO STA. 15+65.62
5	WATERLINE EXTENSION PLAN AND PROFILE STA. 15+65.62 TO STA. 18+79.78
6	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
7	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

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.



VICINITY MAP

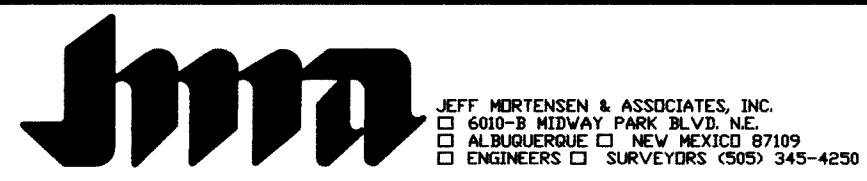
SCALE: 1" = 750'

E-16

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 - UPDATE NO. 6.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT (2537) (STATEWIDE) 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.
- 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 DEPRESSIONED 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 THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION. THE WATER SYSTEM DIVISION PHONE NUMBER IS 857-8200.
- CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR 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 ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPANCY AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.

26-2990.93 0197



1-7	9/96								
REV.	SHEETS	CITY	ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	*****			
		DRC Chairman		<i>Bill G. Smith</i>	7-9-96	APPROVED FOR CONSTRUCTION <i>R. Lopez</i> 7/17/96 City Engineer Date			
		Transportation		<i>Bill G. Smith</i>	6-19-96				
		Water/Wastewater		<i>Bill G. Smith</i>	4-30-96				
		Hydrology		<i>Bill G. Smith</i>	6/14/96				
		Parks							
		Const. Mgmt.							
City Project No. 2990.93					SHEET 1 OF 7				

951172

SUMMARY PLAT BEING A REPLAT OF TRACT 2 OF LANDS OF LIVELY EQUIPMENT CO., INC.

NOVEMBER, 1980

LEGAL DESCRIPTION

tract of land situate within Section 27, T 11 N, R 3 E, N.M.P.M., as projected, within the Elena Gallegos Grant, Bernalillo County, New Mexico, being Tract 2 of the Lands of the Lively Equipment Co., Inc., as the same is shown and designated on the Plat thereof filed in the office of the County Clerk of Bernalillo County, New Mexico on October 17, 1978, and being more particularly described as follows:

Beginning at the Southeast corner of the tract herein described, said corner being the southeast corner of the aforementioned Tract 2, from which point the corner common to Sections 27, 26, 34 & 35, T 11 N, R 3 E, N.M.P.M., Bernalillo County, New Mexico, as projected, bears S 14°06'56" E, 1762.76 feet, thence,

S 89°50'00" W, 831.94 feet; thence,
N 00°10'00" W, 838.00 feet; thence,
N 70°34'41" E, 397.12 feet; thence,
S 00°10'00" E, 379.79 feet; thence,
N 89°50'00" E, 472.05 feet; thence,
S 00°10'00" E, 68.75 feet; thence,
S 16°31'41" W, 52.20 feet; thence,

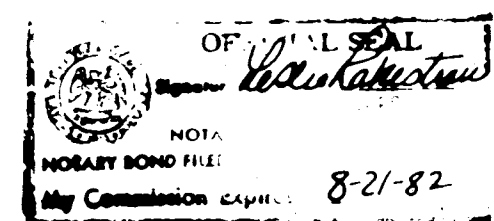
S 00°10'00" E, 470.42 feet to the point of beginning of the tract herein described and containing 13.9397 acres (609,391 square feet), more or less.

Surveyed and plotted as shown hereon is with the free consent of, and in accordance with the wishes and desires of, the undersigned owner and proprietor.

W. E. RICE, President
LIVELY EQUIPMENT CO., INC.

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

SUBSCRIBED AND SWORN TO before me this 22nd day of November, 1980,
by W.E. Rice the President of LIVELY EQUIPMENT CO., INC.,
a New Mexico corporation.
Leslie R. Kesteven
My commission expires: August 21, 1982



APPROVAL AND CONDITIONAL ACCEPTANCE, as specified by Sub-Section 22.2.A.20 of the Albuquerque Subdivision Ordinance.

V. Lynn L. Co. King SP-80-407 11/25/80 E-1609
Planning Director, City of Albuquerque Date
Richard S. Sills 11/25/80
City Engineer, City of Albuquerque Date

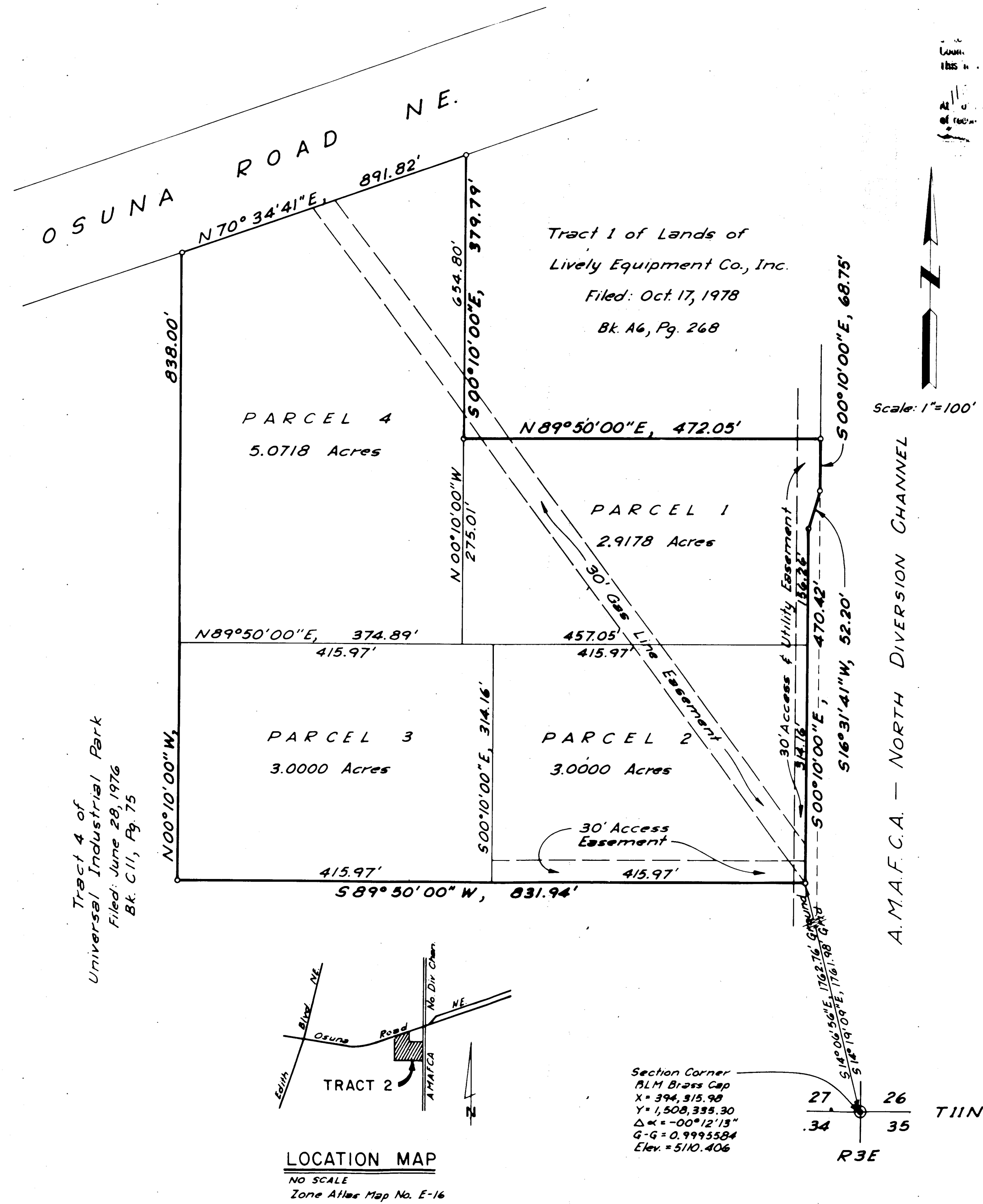
SURVEYOR'S CERTIFICATE

I, John B. Robert, do certify that I am a Registered Professional Engineer and Land Surveyor, licensed in the State of New Mexico, and that this plat was prepared by me or under my supervision, and is true and correct to the best of my belief and knowledge.

John B. Robert
John B. Robert, P.E. & L.S. No. 1817



ANDREWS, ASBURY & ROBERT, INC.
CONSULTING ENGINEERS
ALBUQUERQUE 80-222 NEW MEXICO



SP-03-19-1419

PLAT OF LOTS I-A THROUGH I-D A REPLAT OF TRACT 1, LANDS OF LIVELY EQUIPMENT CO. INC. ALBUQUERQUE, NEW MEXICO & BERNALILLO COUNTY, NEW MEXICO

DESCRIPTION

A certain tract of land located within Bernalillo County, New Mexico, comprising Tract 1, Lands of Lively Equipment Company, Inc. as shown on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on October 17, 1978, Book A-6, Page 268, and being more particularly described as follows:

Beginning at the northwest corner of the parcel herein described being a point on the south right-of-way line of Osuna Road N.E.; thence N 70°34'41" E a distance of 494.71 feet along said right-of-way line to a point on the west right-of-way line of the A.M.A.F.C.A. North Diversion Channel; thence S 00°10'00" E a distance of 46.68 feet along said right-of-way line; thence S 05°21'49" E a distance of 55.23 feet along said right-of-way line; thence S 00°10'00" E a distance of 441.25 feet along said right-of-way line; thence S 89°50'00" W a distance of 472.04 feet; thence N 00°10'00" W a distance of 379.79 feet to the point of beginning and containing 5.0004 acres more or less.

DEDICATION AND 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 grant the easements shown hereon including the rights of ingress and egress and the right to trim interfering trees.
V. Lynn L. Co. King 3-27-86
Norman Riddle - General Partner, R. W. Associates, Inc. Date

ACKNOWLEDGEMENT
STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)
OFFICIAL SEAL
CHARLES G. CALA, JR.
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires 6-6-89

The foregoing instrument was acknowledged before me this 27th day of March, 1986.
Charles G. Cala, Jr.
Notary Public

M.R.B. 86-198 SP-86-435
Jack Clark 12/14/86
Planning Director, City of Albuquerque, N.M. Date
Jan E. Eitzgaard 7-18-86
Water Utilities, City of Albuquerque, N.M. Date
Paul J. Egan 12-3-86
City Engineer, City of Albuquerque Date
Dan Soto 10/30/86
A.M.A.F.C.A. Date
Robert J. Farnsworth 8-12-86
Traffic Engineer, City of Albuquerque, N.M. Date
Janet Gailers 8-12-86
Parks and Recreation, City of Albuquerque, N.M. Date
Paul Chitt 10-26-86
Chief City Surveyor, City of Albuquerque, N.M. Date
O. Val Velez 4-1-86
Property Manager, City of Albuquerque, N.M. Date

CERTIFICATION
I, Thomas T. Mann, Jr., a registered Land 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 LAWLESS TITLE INSURANCE CO. on MARCH 5, 1986 (TIA 52,079 mit) 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.

Thomas T. Mann, Jr. 4-1-86
3792
NEW MEXICO
Date

ACKNOWLEDGEMENT
STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)
OFFICIAL SEAL
CHARLES G. CALA, JR.
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires 6-6-89

The foregoing instrument was acknowledged before me on this 1st day of April, 1986.
Charles G. Cala, Jr.
Notary Public

RECORD DRAWING

CO.A PROJECT NO. 2990.93 SHEET 2 OF 7

SP-03-19-1419

PROJECT LOCATION

VICINITY MAP
SCALE 1" = 800'

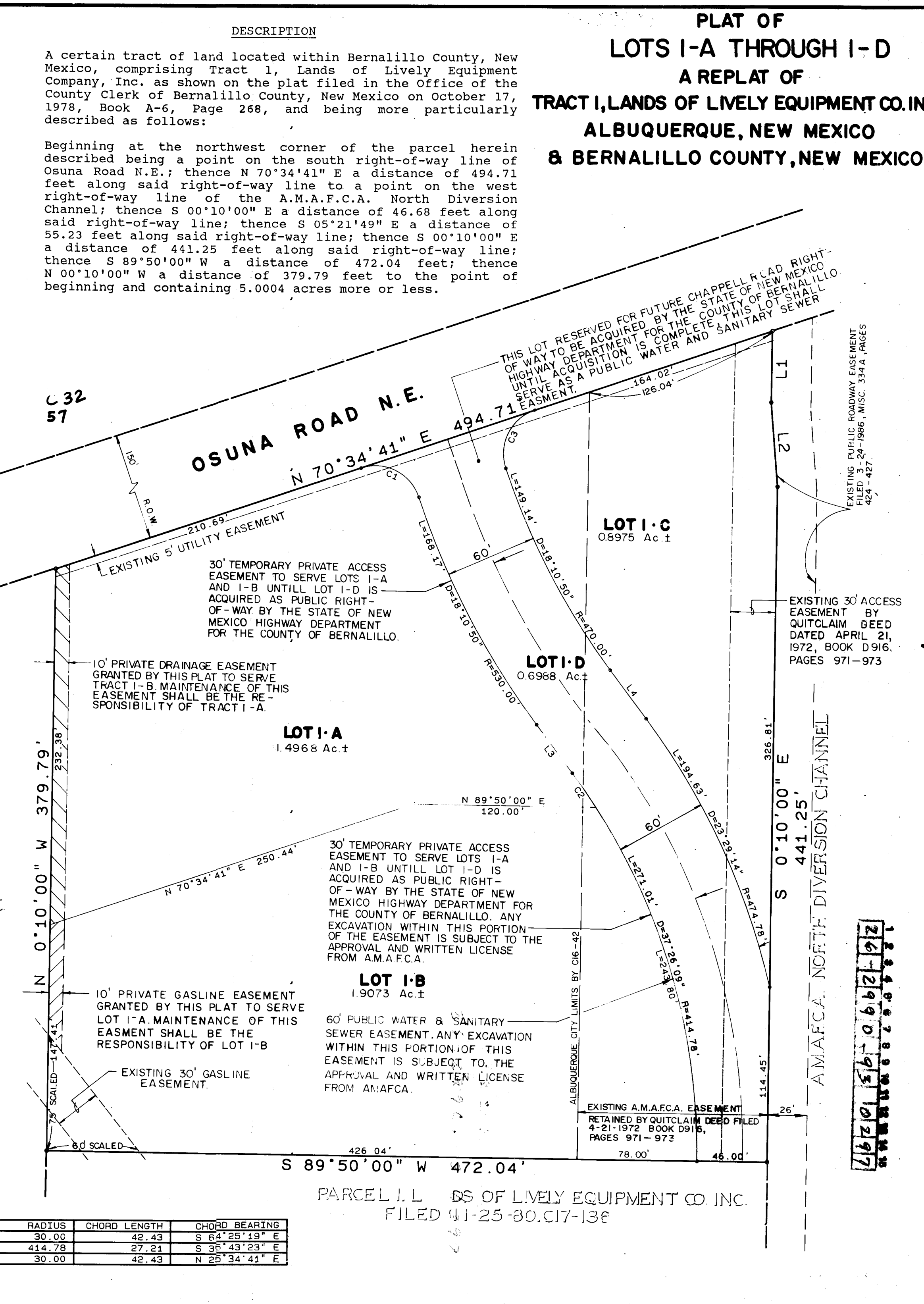
Notes:

- No field work was performed.
- No street mileage was created.
- All distances are ground distances.
- Site located within Section 27, T11N, R3E, N.M.P.M.
- Bearing base is plat of "Lands of Lively Equipment Co., Inc." filed October 17, 1978, Book AE, Page 268.
- The purpose of this plat is to subdivide Tract 1 into four lots plus grant the private drainage easement and reserve future street right-of-way (LOT I-D) for acquisition by the County of Bernalillo at a later date.

LOT 4b
LANDS OF LIVELY EQUIP CO. INC.
FILED 12-14-85, C26-28

LINE	BEARING	DISTANCE
L1	S 0°10'00" E	46.68
L2	S 5°21'49" E	55.23
L3	S 37°36'09" E	39.44
L4	N 37°36'09" W	39.44

CURVE	ARC	DELTA	RADIUS	CHORD LENGTH	CHORD BEARING
C1	47.12	90°00'00"	30.00	42.43	S 64°25'19" E
C2	27.21	3°43'31"	414.76	27.21	S 36°43'23" E
C3	47.12	90°00'00"	30.00	42.43	N 25°34'41" E



PLAT OF
LOTS I-A THROUGH I-D
A REPLAT OF
TRACT 1, LANDS OF LIVELY EQUIPMENT CO. INC.
ALBUQUERQUE, NEW MEXICO
& BERNALILLO COUNTY, NEW MEXICO

DEDICATION AND 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 grant the easements shown hereon including the rights of ingress and egress and the right to trim interfering trees.
V. Lynn L. Co. King 3-27-86
Norman Riddle - General Partner, R. W. Associates, Inc. Date

ACKNOWLEDGEMENT
STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)
OFFICIAL SEAL
CHARLES G. CALA, JR.
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires 6-6-89

The foregoing instrument was acknowledged before me this 27th day of March, 1986.
Charles G. Cala, Jr.
Notary Public

M.R.B. 86-198 SP-86-435
Jack Clark 12/14/86
Planning Director, City of Albuquerque, N.M. Date
Jan E. Eitzgaard 7-18-86
Water Utilities, City of Albuquerque, N.M. Date
Paul J. Egan 12-3-86
City Engineer, City of Albuquerque Date
Dan Soto 10/30/86
A.M.A.F.C.A. Date
Robert J. Farnsworth 8-12-86
Traffic Engineer, City of Albuquerque, N.M. Date
Janet Gailers 8-12-86
Parks and Recreation, City of Albuquerque, N.M. Date
Paul Chitt 10-26-86
Chief City Surveyor, City of Albuquerque, N.M. Date
O. Val Velez 4-1-86
Property Manager, City of Albuquerque, N.M. Date

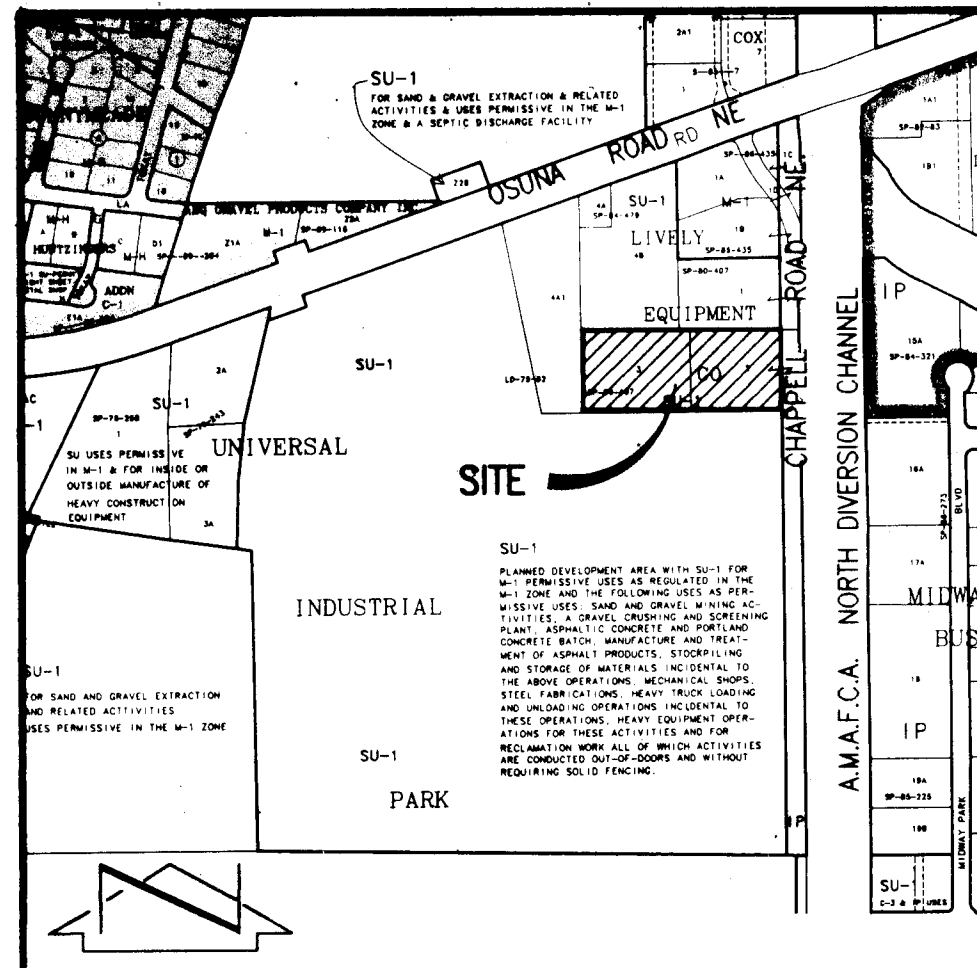
CERTIFICATION
I, Thomas T. Mann, Jr., a registered Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat was prepared by me or under my supervision; shows all easements noted in a title report prepared by LAWLESS TITLE INSURANCE CO. on MARCH 5, 1986 (TIA 52,079 mit) 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.

Thomas T. Mann, Jr. 4-1-86
3792
NEW MEXICO
Date

ACKNOWLEDGEMENT
STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)
OFFICIAL SEAL
CHARLES G. CALA, JR.
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires 6-6-89

The foregoing instrument was acknowledged before me on this 1st day of April, 1986.
Charles G. Cala, Jr.
Notary Public

ANDREWS, ASBURY & ROBERT, INC.
CONSULTING ENGINEERS
ALBUQUERQUE 80-222 NEW MEXICO



VICINITY MAP
SCALE: 1" = 750'

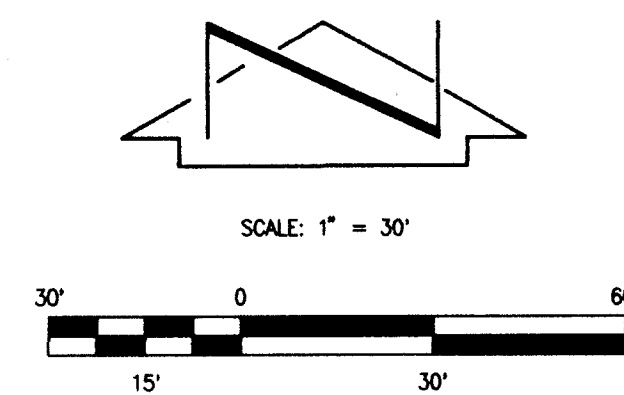
PROJECT BENCHMARK
STATION IS A STANDARD BLW BRASS CAP SET IN CONCRETE MONUMENT
STAMPED 27126
34135

WHICH PROJECTS 1.0' ABOVE GROUND. THE STATION IS LOCATED 5.1 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE EAST OF THE NORTH DIVERSION CHANNEL AND SOUTH OF OSUNA ROAD NE. TO REACH THE STATION FROM THE INTERCHANGE AT I-25 AND OSUNA ROAD NE, GO WEST ON OSUNA 1.0 MILES TO ANOTHER DIRT ROAD. THE STATION IS LOCATED LEFT OF THIS POINT.
ELEVATION = 5110.406 FEET (M.S.L.D.)

T.B.M.
T.B.M. = "C" * TC
AS SHOWN BELOW
ELEV. 5094.74

LEGAL DESCRIPTION
PARCELS 2 AND 3, LANDS OF LIVELY EQUIPMENT CO., INC.
FILED 11-25-80, C17-136

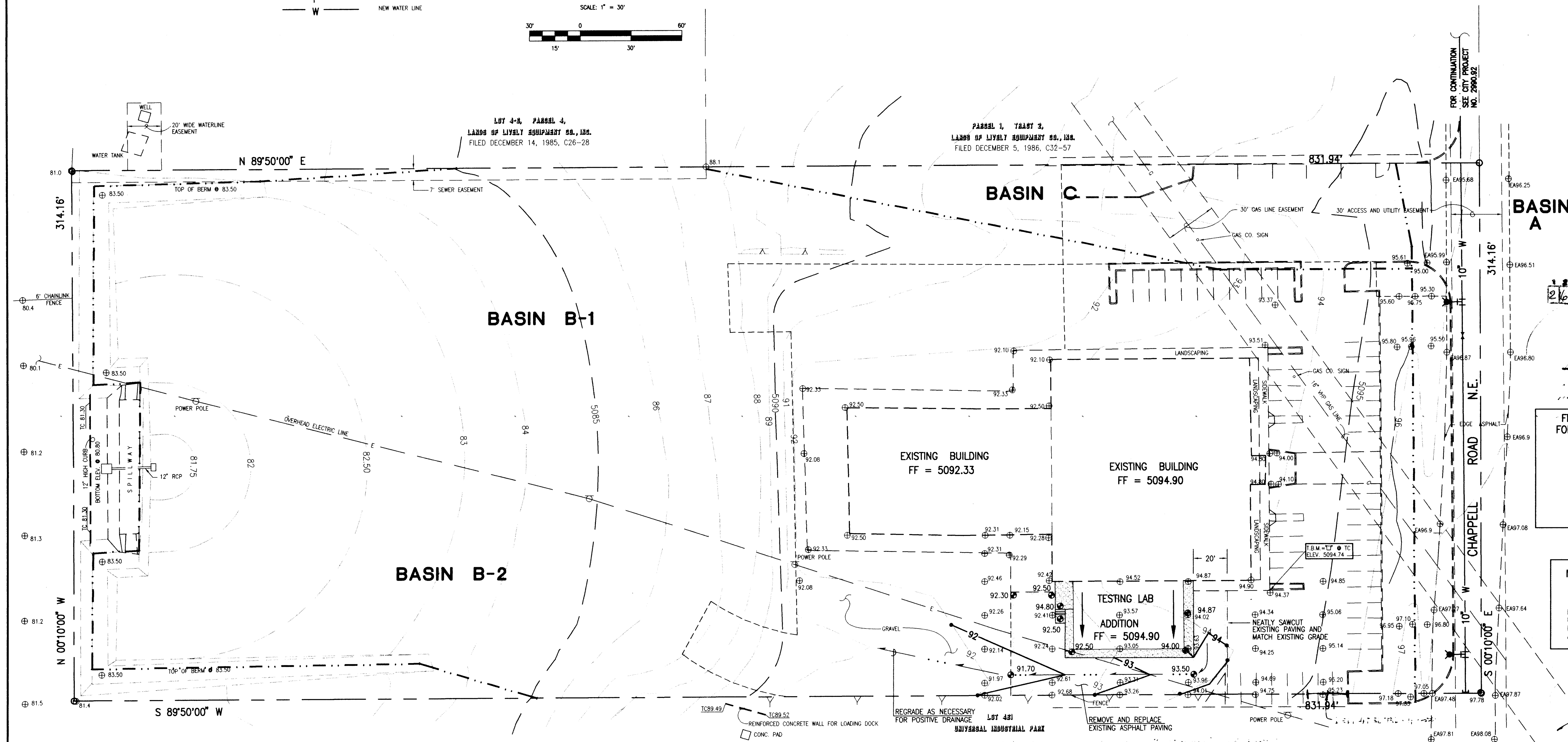
- LEGEND**
- EA 92.10 EDGE OF ASPHALT
 - EXISTING SPOT ELEVATION
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - PROPOSED SPOT ELEVATION
 - FLOW DIRECTION
 - NEW ASPHALT
 - NEW CONCRETE
 - NEW FIRE HYDRANT
 - NEW WATER LINE



SCALE: 1" = 30'

RECORD DRAWING

FOR INFORMATION ONLY



1 2 3 4 5 6 7 8 9 10 11 12
26 2990-93 0397

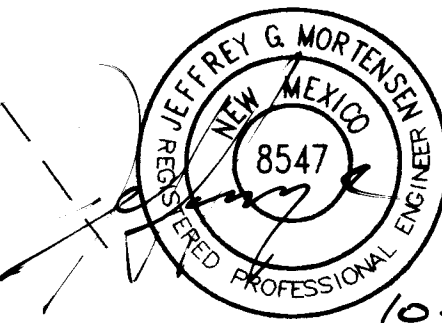
AFD PLANS CHECKING OFFICE
764-1687

APPROVED/DISAPPROVED

SIGNATURE & DATE

FIRE DEPARTMENT APPROVAL
FOR FIRE HYDRANT LOCATIONS:

NOTE:
THIS IS NOT A BOUNDARY SURVEY.
APPARENT PROPERTY CORNERS ARE
SHOWN FOR INFORMATION ONLY.
BOUNDARY DATA SHOWN IS BASED
UPON THE DRAINAGE ANALYSIS
PREPARED BY ANDREWS, ASBURY
& ROBERT, INC. ON SEPT. 3, 1980.



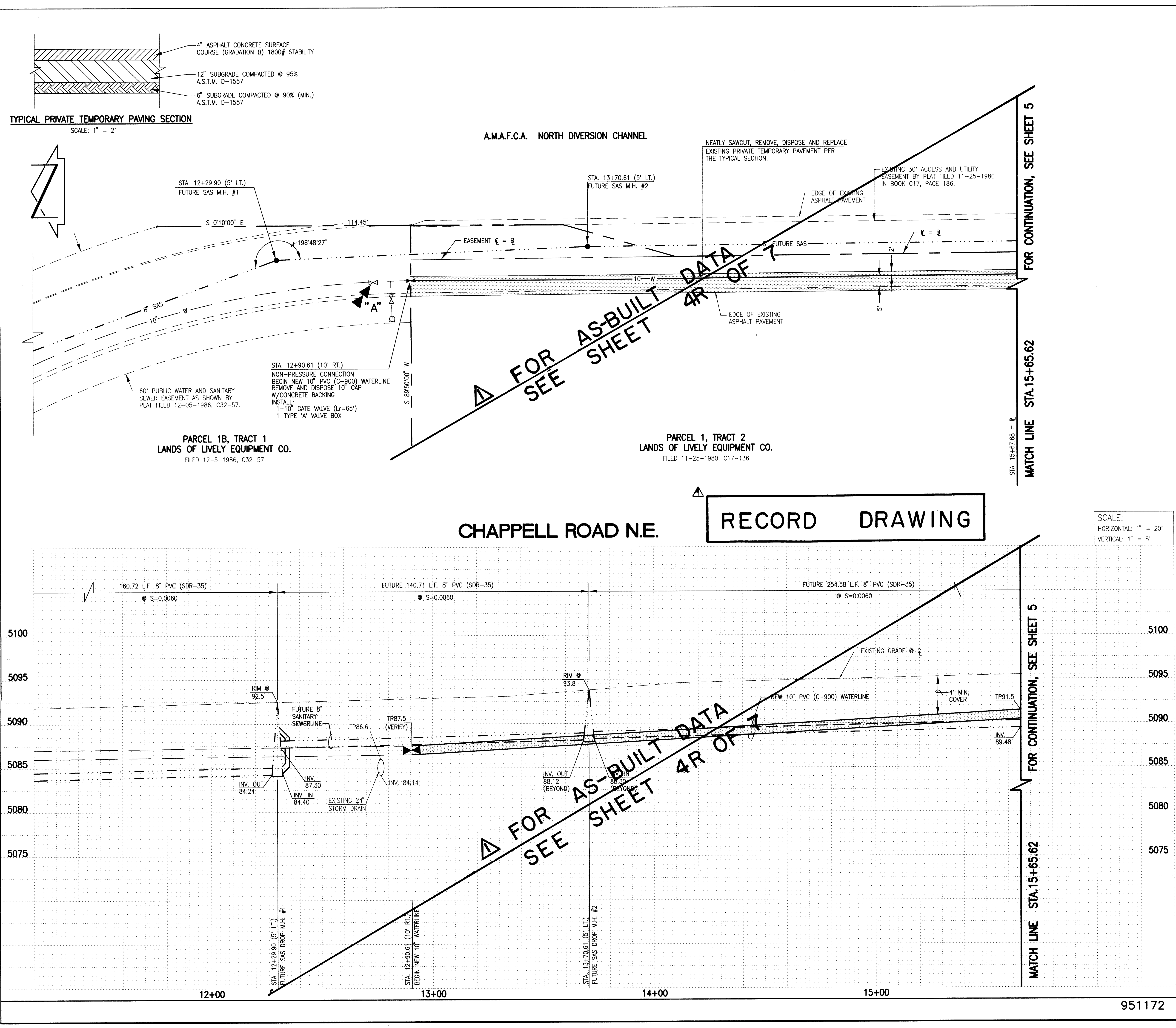
JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. NE
ALBUQUERQUE, N.M. 87109
ENGINEERS SURVEYORS (505) 345-4250

**FIRE PROTECTION PLAN
WESTERN MOBILE TESTING LAB**

DESIGNED BY J.G.M.
DRAWN BY S.G.H.
APPROVED BY J.G.M.

NO.	DATE	BY	REVISIONS	JOB NO.
1	9/96	MDS	RECORD DRAWING	951172
				DATE 12-1995
				SHEET 3 OF 7

C:\DATA\ACADDWG\951172P1 Tue Apr 23 08:48:40 1996 -CJH



WATER VALVE SHUTOFF PLAN REQUIREMENTS:

- AS A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO FACILITATE THE FOLLOWING CONNECTIONS:
 - CHAPPELL ROAD N.E.: 'A' (AS SHOWN AT LEFT)
- THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING WATERLINE; ALL SHUTOFFS SHALL BE PERFORMED BY THE WATER SYSTEM DIVISION PERSONNEL (857-8200).
- 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 AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS, PLATE M-11.
- AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT THE WATER SYSTEM DIVISION NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST 24 HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.

WATERLINE CONSTRUCTION NOTES:

- ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
- FOR ALL LINES 12" AND SMALLER, 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.
- FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
- WATERLINE SHALL HAVE A MINIMUM COVER OF 4'0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
- IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
- VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
- JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATERLINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
- JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
- FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STATION	DATE	NO.	BY	M.D.S.	REMARKS
JEFF MORTENSEN & ASSOCIATES, INC.	3/93	STATION IS A STANDARD B.L.M. BRASS CAP SET IN CONCRETE MONUMENT STAMPED 211111 WHICH PROJECTS 1.0' ABOVE GROUND. THE STATION IS LOCATED 5.1 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE EAST OF THE NORTH DIVERSION CHANNEL AND SOUTH OF OSUNA ROAD NE. TO REACH THE STATION FROM THE INTERCHANGE AT I-25 AND OSUNA ROAD NE. GO WEST ON OSUNA 1.0 MILES TO	3/93	W/A	J.M.A.		DESIGN
INSPECTOR'S ACCEPTANCE BY	DATE	VERIFICATION BY	DATE	NO.	DATE	BY	REVISIONS
VERIFIED BY	DATE	VERIFIED BY	DATE	951172	3/96		

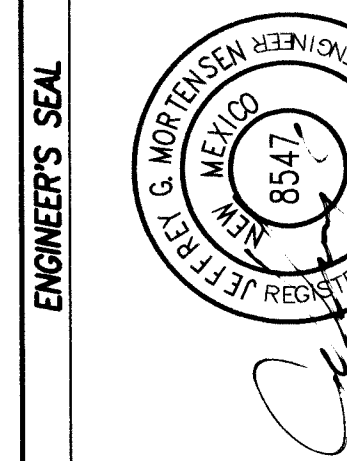
JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (CEN) 245-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

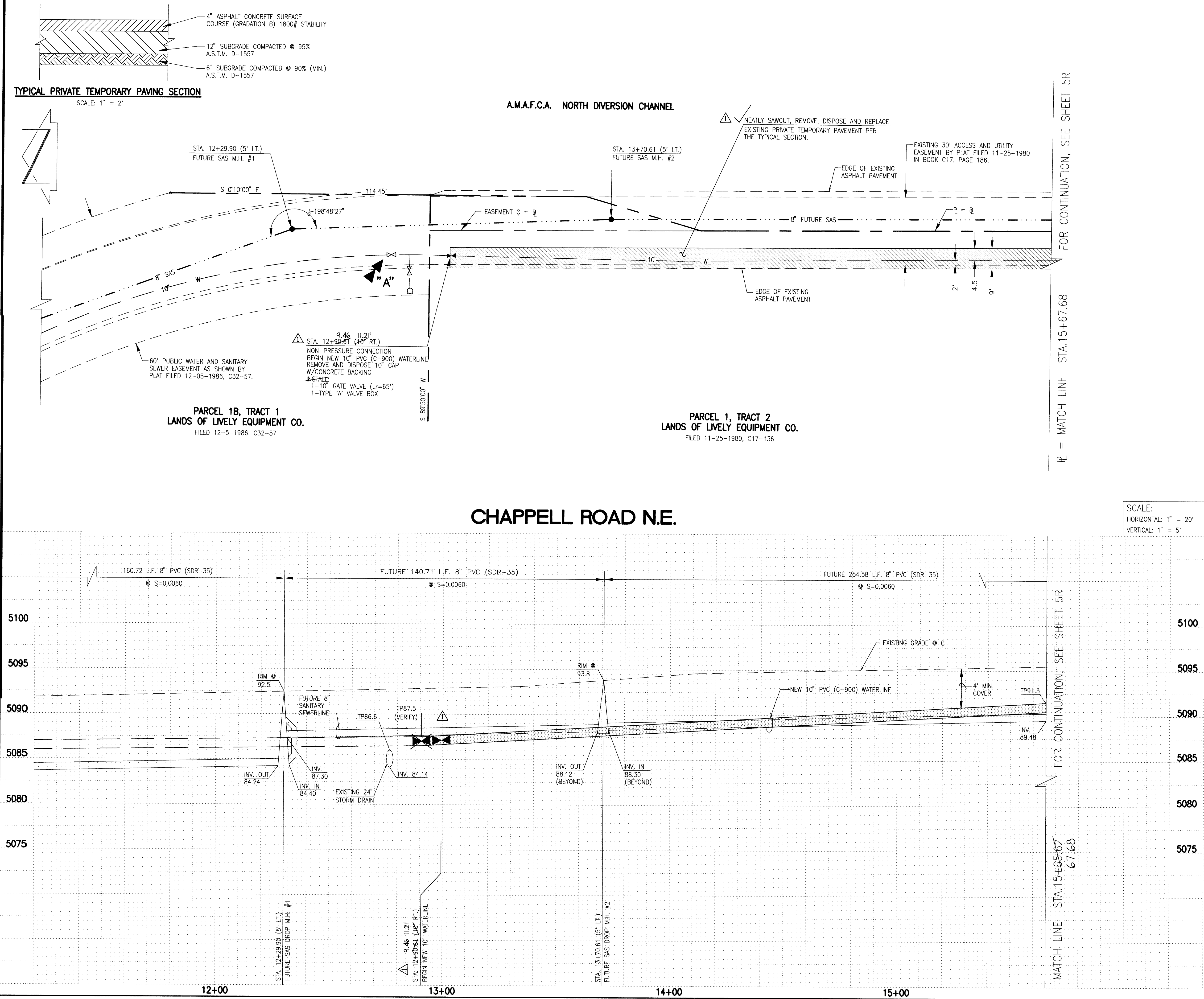
TITLE:
WATERLINE EXTENSION PLAN AND PROFILE
STA. 12+90.61 TO STA. 15+65.62

APPROVED
JUL 9 1996
DESIGN REVIEW COMMITTEE

City Project No. **2990.93** Zone Map No. **E-16** Sheet **4** of **7**



C:\DATA\ACAD\DWG\05117041 Tue Oct 28 11:47:40 1996 -HLS



WATER VALVE SHUTOFF PLAN REQUIREMENTS:

- AS A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO FACILITATE THE FOLLOWING CONNECTIONS:
 - CHAPPELL ROAD N.E.: 'A' (AS SHOWN AT LEFT)
- THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING WATERLINE; ALL SHUTOFFS SHALL BE PERFORMED BY THE WATER SYSTEM DIVISION PERSONNEL (857-8200).
- THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUS BLOCKS NECESSARY TO EFFECT THE NECESSARY SHUTOFFS AN CONNECTIONS.
- EXISTING WATER VALVE AND WATERLINE INFORMATION OBTAINED FROM CITY OF ALBUQUERQUE AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS, PLATE M-11.
- AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT THE WATER SYSTEM DIVISION NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST 24 HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.

WATERLINE CONSTRUCTION NOTES:

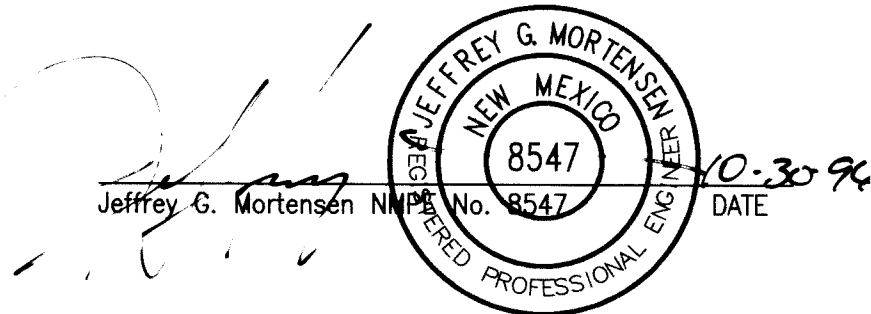
- ALL STATIONING IS BASED ON PROPERTY LINE UNLESS INDICATED OTHERWISE.
- FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
- FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
- WATERLINE SHALL HAVE A MINIMUM COVER OF 4'0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
- IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
- VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
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REPLACES SHEET 4

26-12990.93 4297

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.



JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS SURVEYORS (SIS) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT

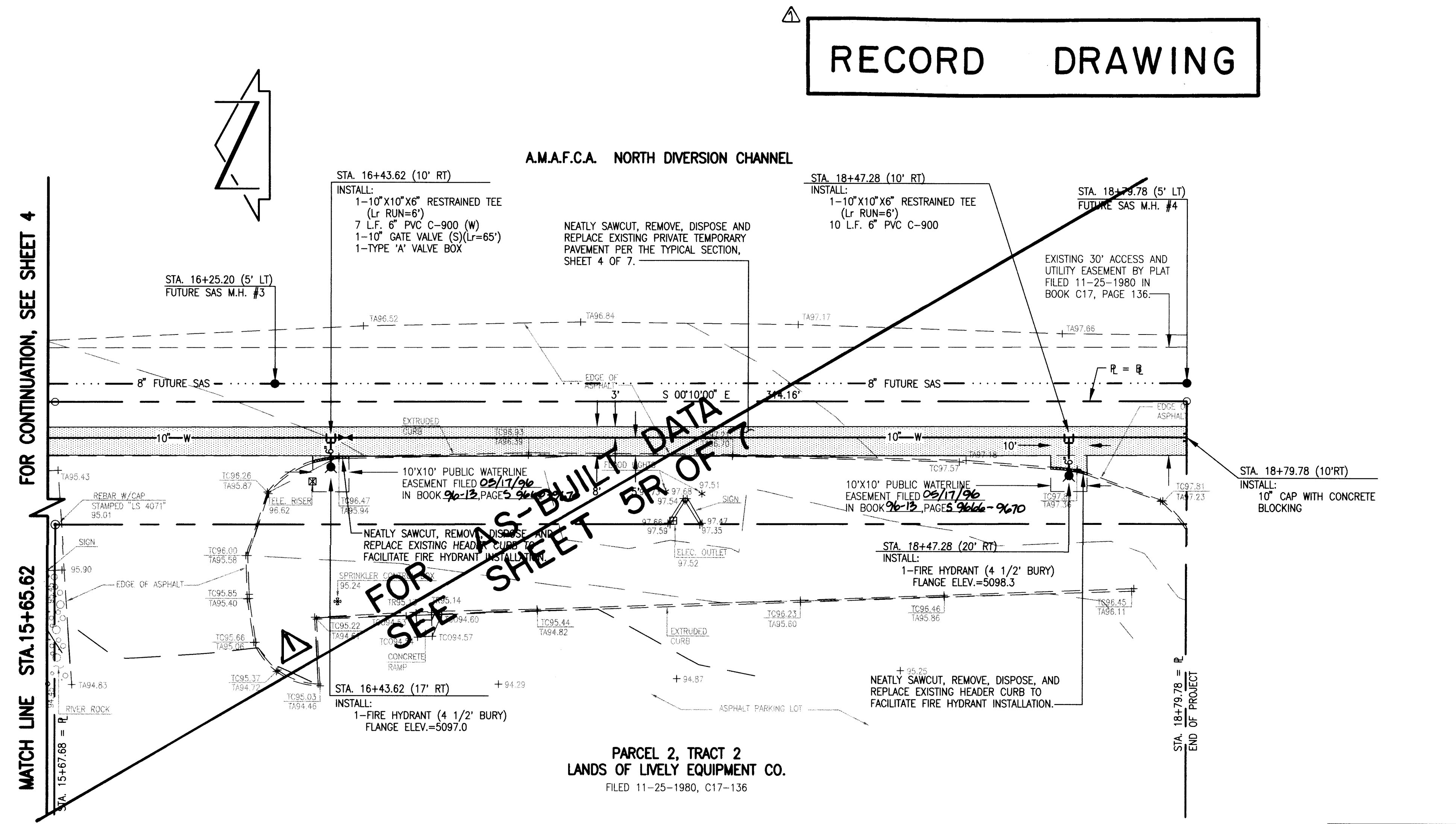
TITLE: **WESTERN MOBILE
WATERLINE EXTENSION PLAN /
STA. 12+90.61 TO STA. 1**

Design Review Committee City Engineer Approval

City Project No. **2990.93** Zone Map No. **E-16**

Lost Design Update

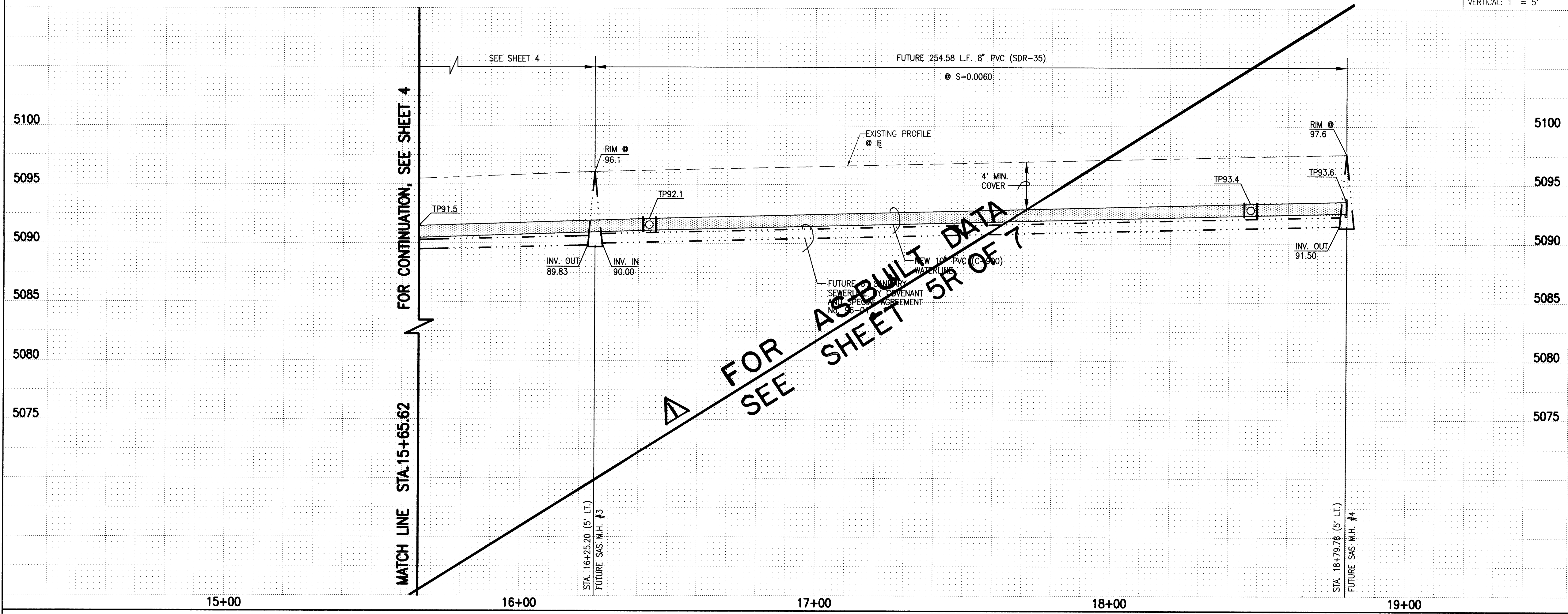
RECORD DRAWING



- WATERLINE CONSTRUCTION NOTES:
- ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
 - FOR ALL LINES 12" AND SMALLER, 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.
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AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		DATE	
CONTRACTOR	DATE	STATION	MARK	NO.	BY	NO.	BY	DATE	DATE
JEFF MORTENSEN & ASSOCIATES, INC.	04/23/96	STATION 15+65.62 TO 18+79.78	MARK	N/A	J.M.A.	951172	J.M.A.	3/93	3/96

CHAPPELL ROAD N.E.



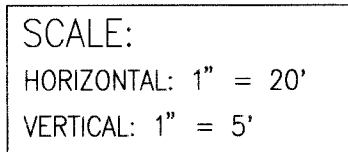
26-2990.93 0597

JEFF MORTENSEN & ASSOCIATES, INC.
600-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (SOS) 345-4290

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

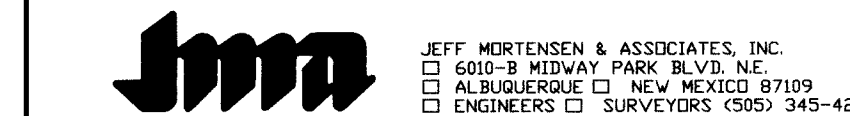
TITLE: WESTERN MOBILE
WATERLINE EXTENSION PLAN AND PROFILE
STA. 15+65.62 TO STA. 18+79.78

City Project No.	Zone Map No.	Sheet	Of
2990.93	E-16	5	7



REPLACES SHEET 5

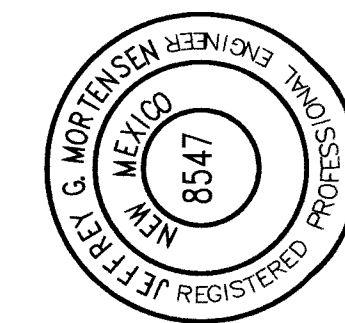
I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief.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



TITLE: WESTERN MOBILE
WATERLINE EXTENSION PLAN AND PROFILE
STA. 15+65.62 TO STA. 18+79.78

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
			08/16/96	
City Project No.	Zone Map No.	Sheet	Of	
2990.93	E-16	5R	7	

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION		
NO.	BY	DATE	FIELD NOTES		CONTRACTOR	WORK STARTED BY	DATE
3/93	J.M.A.	3/93	STATION IS A STANDARD B.L.M. BRASS CAP SET IN CONCRETE MONUMENT STAMPED 22188 WHICH PROJECTS 1.0' ABOVE GROUND. THE STATION IS LOCATED 5.1 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE EAST OF THE NORTH DIVERSION CHANNEL AND SOUTH OF OSUNA ROAD NE. TO REACH THE STATION FROM THE INTERCHANGE AT 1-28 AND OSUNA ROAD NE. GO WEST ON OSUNA 1.0 MILES TO ANOTHER DIRT ROAD. THE STATION IS LOCATED LEFT OF THIS POINT. ELEVATION = 5110.406 FEET (M.S.L.D.)		HYDROSYSTEMS, INC.	J.M.A.	09/96
511172	J.M.A.	3/96				M.D.S.	09/96
					FIELD LOCATION BY	M.D.S.	09/96
					RECORDED BY	J.M.A.	09/96
					MICRO-FILM INFORMATION		
					RECORDED BY		DATE
					NO.		

[illegible]

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. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 8:30 A.M. OR END WORK AFTER 4:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

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 TRAVELLED 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. 24 HOURS PRIOR TO OCCUPANCY 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.

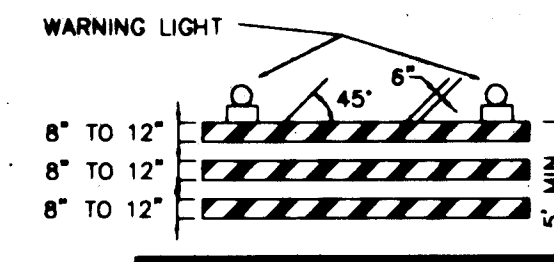
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC 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.

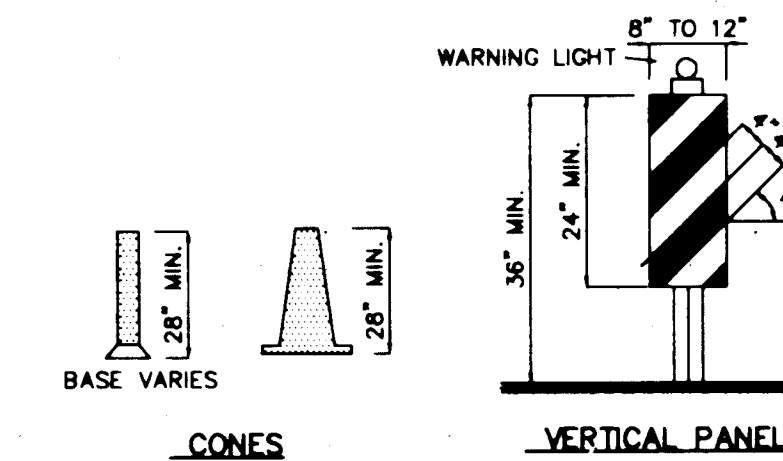
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES



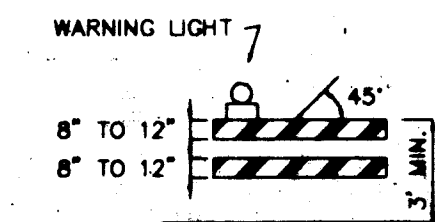
TYPE III BARRICADE



VERTICAL PANEL

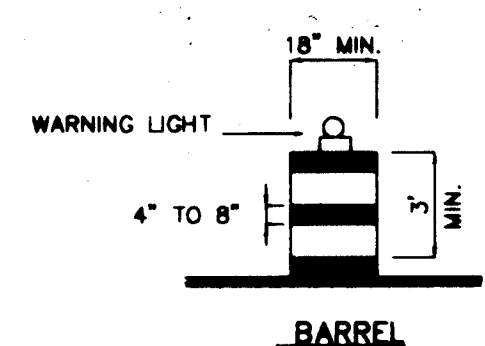
CONES

HIGH LEVEL WARNING DEVICE

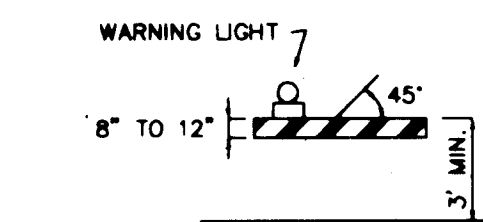


TYPE II BARRICADE

COLLAPSIBLE

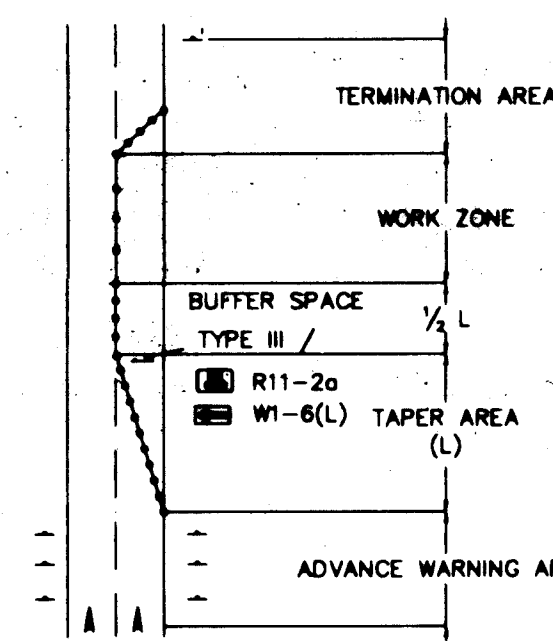


BARREL



TYPE I BARRICADE

COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

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 SPEED LIMIT OF THE STREET
TAPER LENGTH - SEE CHART BELOW
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		BEFORE 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 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

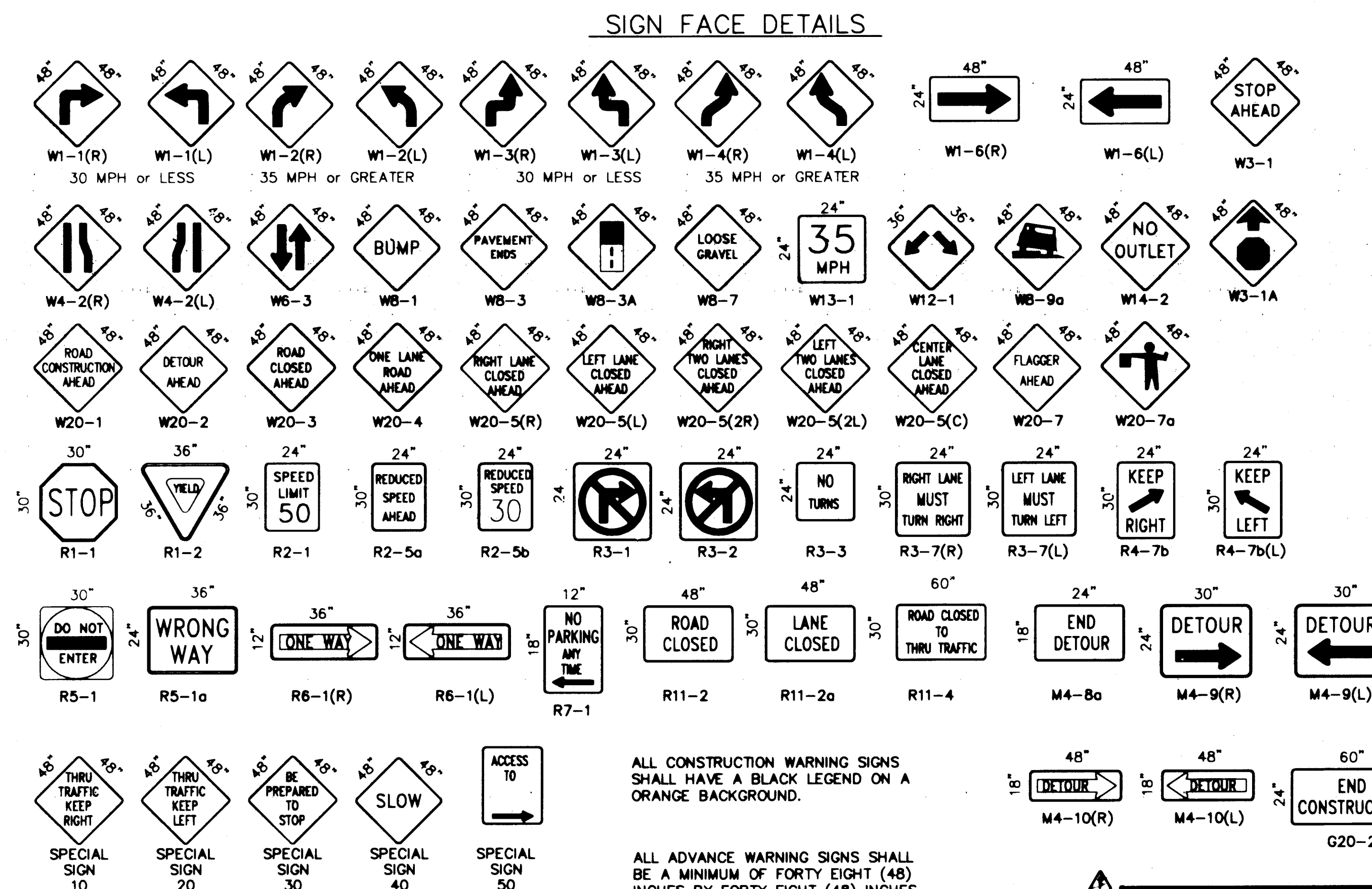
TAPER CRITERIA

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
DOWNSIDE TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	L =
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 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

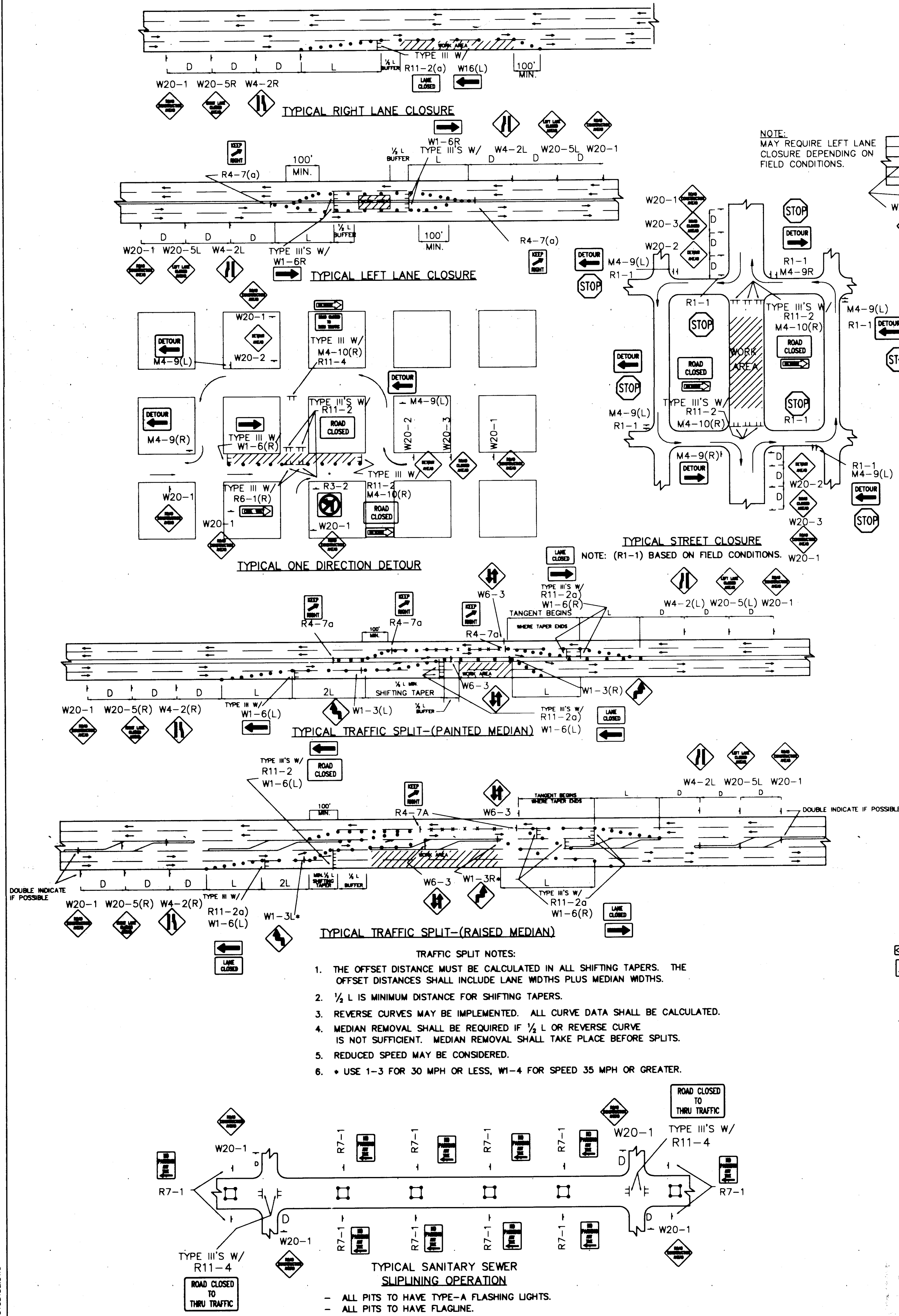


ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

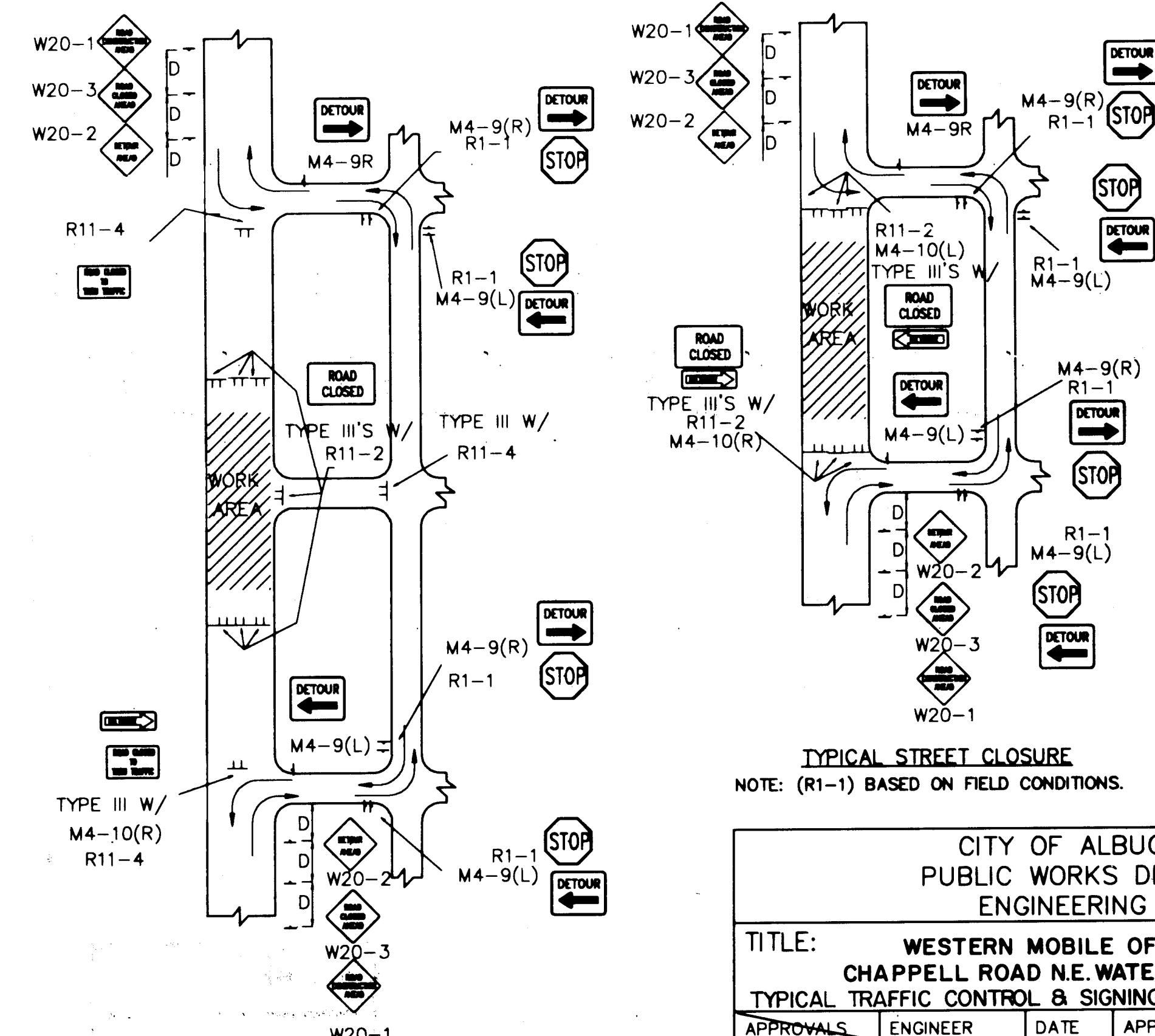
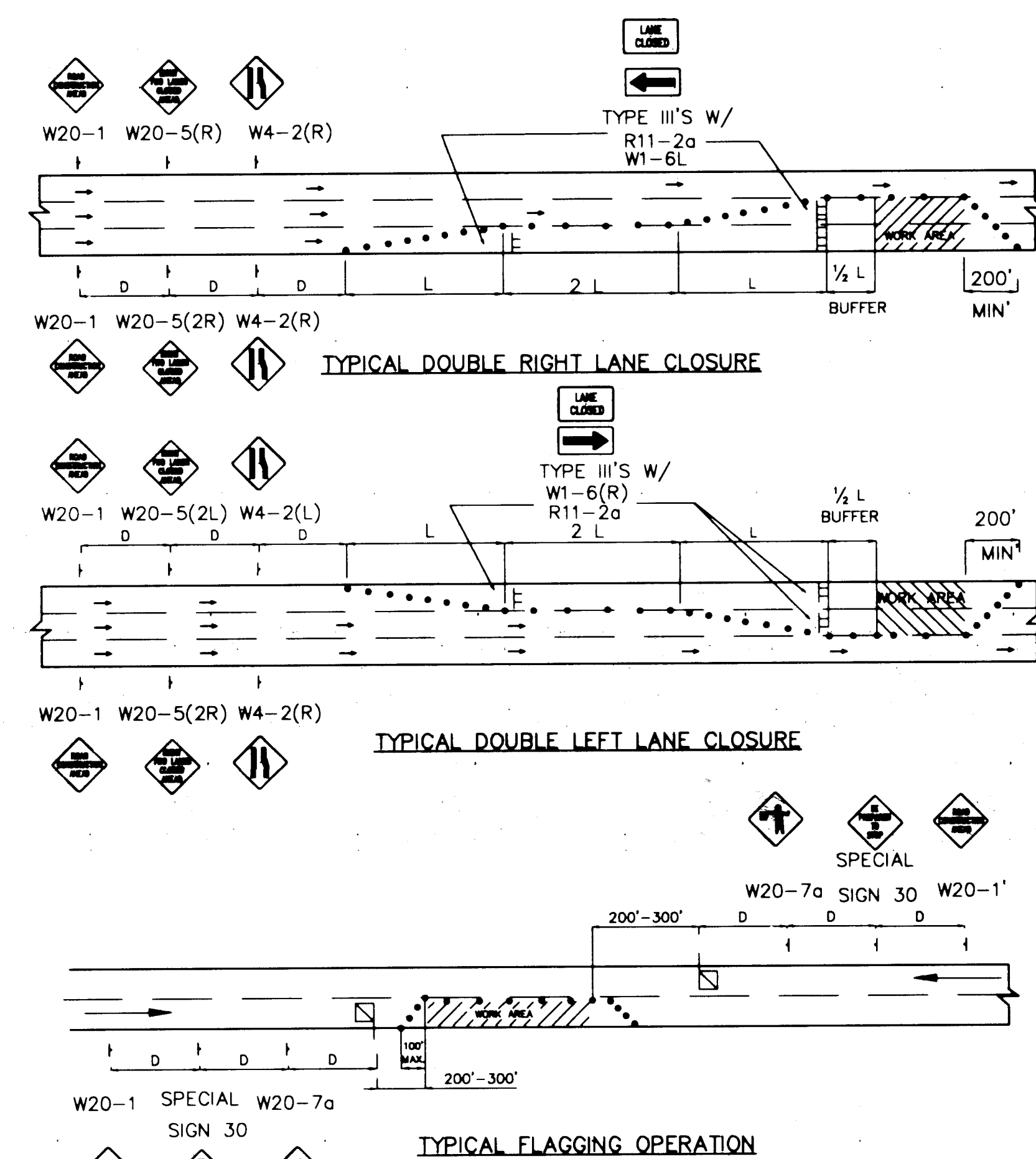
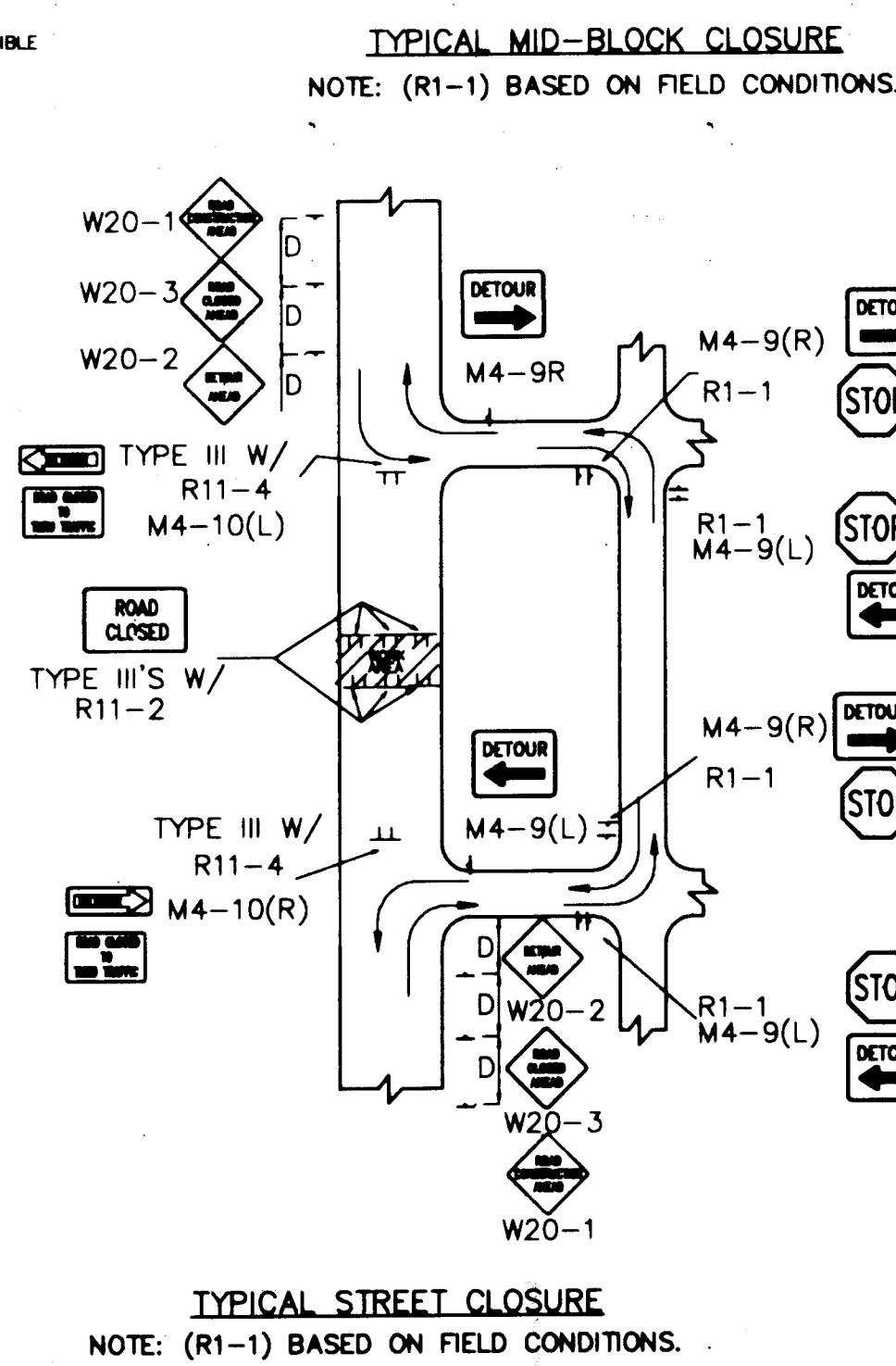
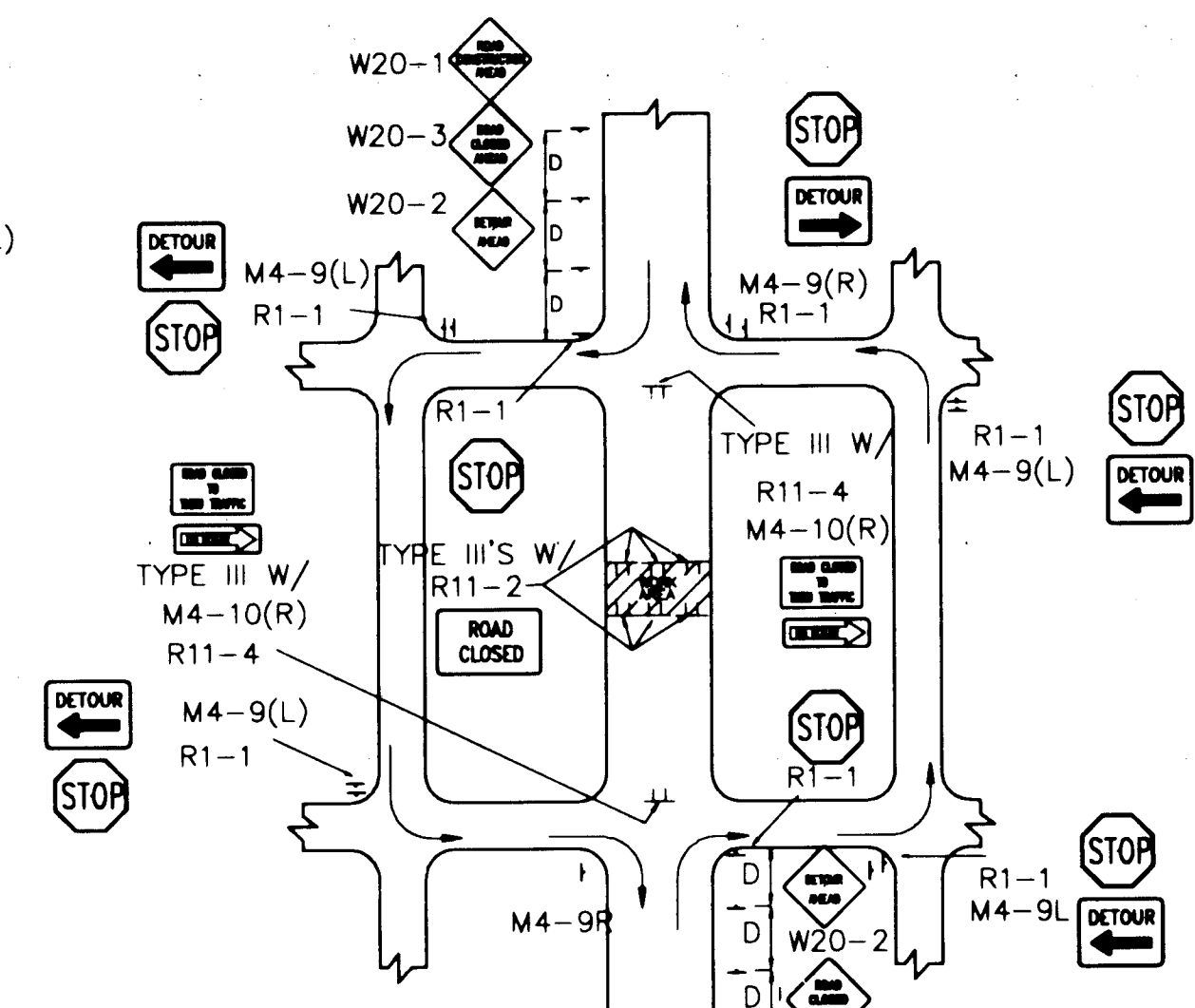
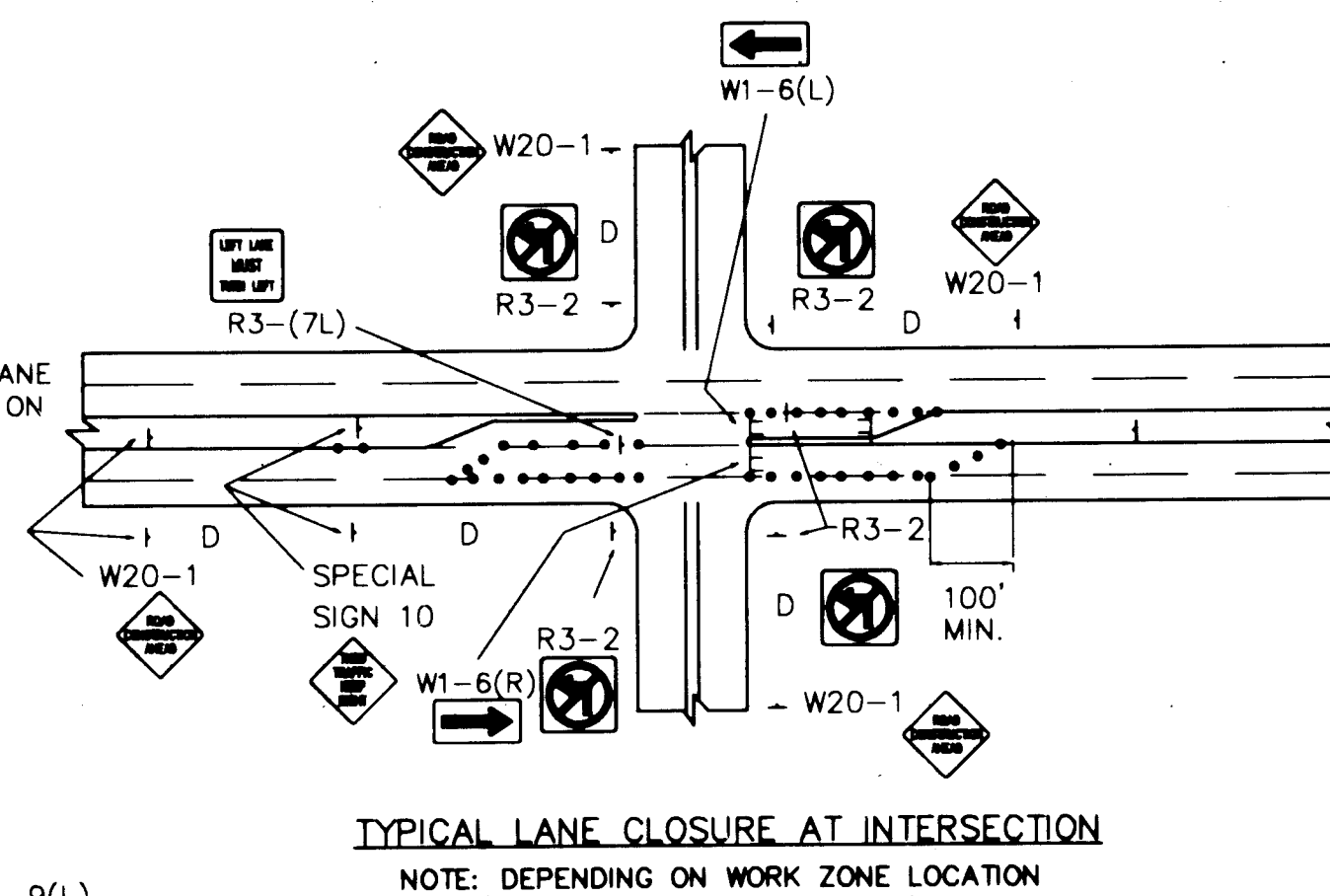
ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

RECORD DRAWING

05-13-92
C133722JWG



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



RECORD DRAWING

NOTE: THIS SHEET PROVIDED COURTESY OF CITY ENGINEER, PUBLIC WORKS DEPT., CITY OF ALBUQUERQUE

AS-BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CONTRACTOR: HYDRO SYSTEMS, INC.	DATE: 08/24/96	NO.	DATE: 08/24/96	NO.	DATE: 08/24/96	NO.	DATE: 08/24/96	NO.	DATE: 08/24/96	NO.	DATE: 08/24/96
DESIGNED BY: JMA	DATE: 08/24/96	NO.	DESIGNED BY: JMA	DATE: 08/24/96	NO.	DESIGNED BY: JMA	DATE: 08/24/96	NO.	DESIGNED BY: JMA	DATE: 08/24/96	NO.
ACCEPTANCE BY: MDS	DATE: 08/24/96	NO.	ACCEPTANCE BY: MDS	DATE: 08/24/96	NO.	ACCEPTANCE BY: MDS	DATE: 08/24/96	NO.	ACCEPTANCE BY: MDS	DATE: 08/24/96	NO.
REVISIONS BY: JMA	DATE: 08/24/96	NO.	REVISIONS BY: JMA	DATE: 08/24/96	NO.	REVISIONS BY: JMA	DATE: 08/24/96	NO.	REVISIONS BY: JMA	DATE: 08/24/96	NO.
CORRECTED BY: JMA	DATE: 08/24/96	NO.	CORRECTED BY: JMA	DATE: 08/24/96	NO.	CORRECTED BY: JMA	DATE: 08/24/96	NO.	CORRECTED BY: JMA	DATE: 08/24/96	NO.
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: WESTERN MOBILE OF NEW MEXICO CHAPPELL ROAD N.E. WATERLINE EXTENSION TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					
PROJECT NO.	2990.93		MAP NO.	E-16	
			SHEET	7	7