

CONSTRUCTION PLANS FOR HANOVER ROAD IMPROVEMENTS

PAVING AND UTILITY IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
MAY 2002

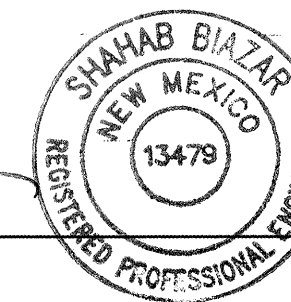
INDEX TO DRAWINGS

1. TITLE SHEET
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6. HANOVER ROAD STORM SEWER IMPROVEMENTS
7. TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)
8. SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

RECORD DRAWING

I, SHAHAB BIAZAR OF THE FIRM OF ADVANCED ENGINEERING 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 LEONARD MARTINEZ OF ADVANCED ENGINEERING, NMPS NUMBER 8901.

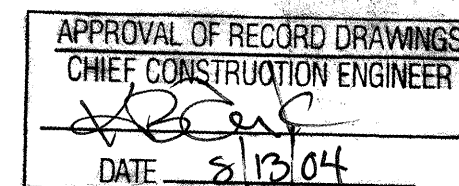
SHAHAB BIAZAR, PE
NMPE NO. 13479



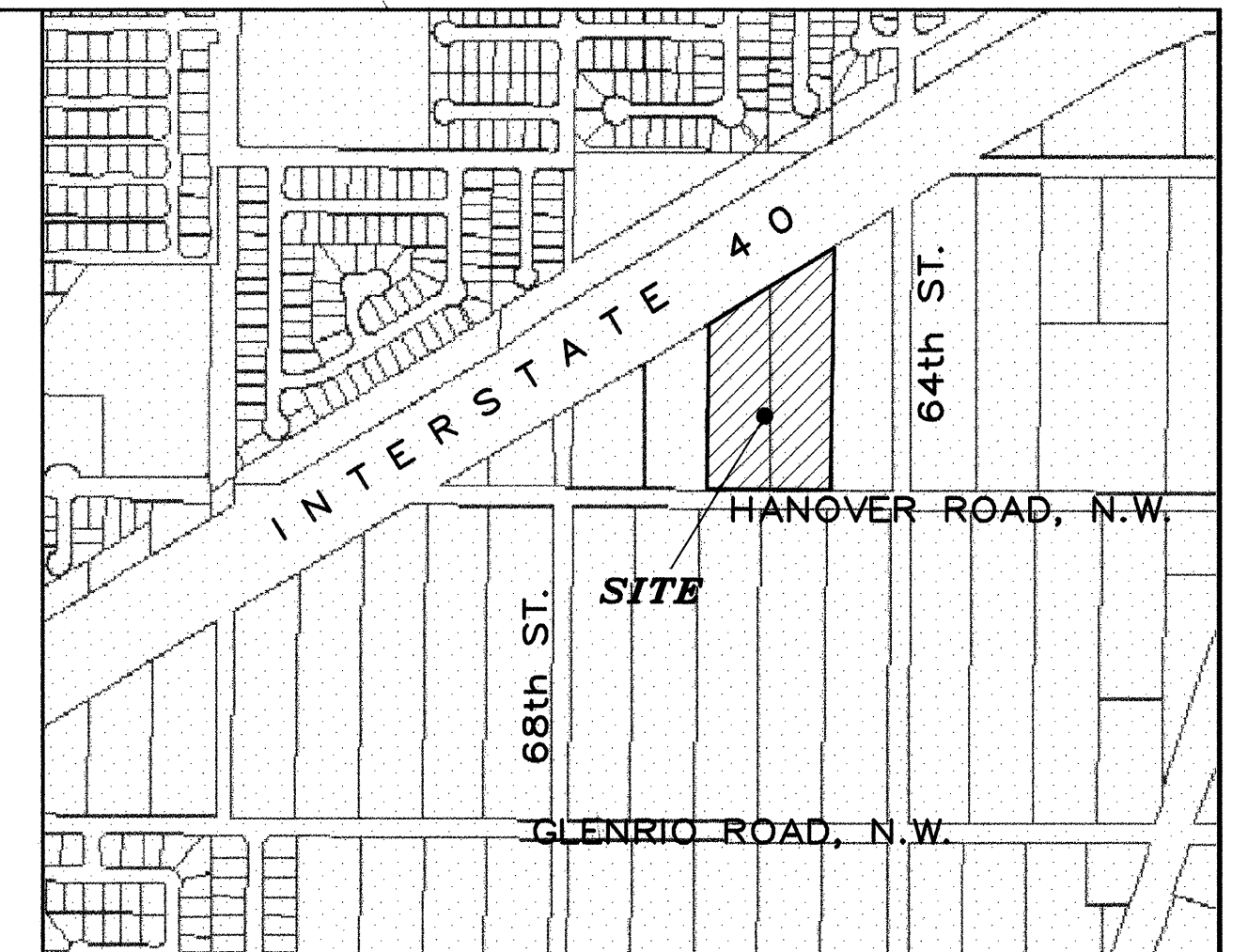
DATE 1/10/03
Advanced Eng. & Cons., LLC

TRAFFIC CONTROL PLAN

CLOSE HANOVER ROAD FROM 64TH STREET TO 68TH STREET. SHEETS 7 OF 8 AND 8 OF 8 FOR TRAFFIC CONTROL DETAILS.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 68 62.81 04



VICINITY MAP ZONE ATLAS J-10-Z

N.T.S. SCALE NONE

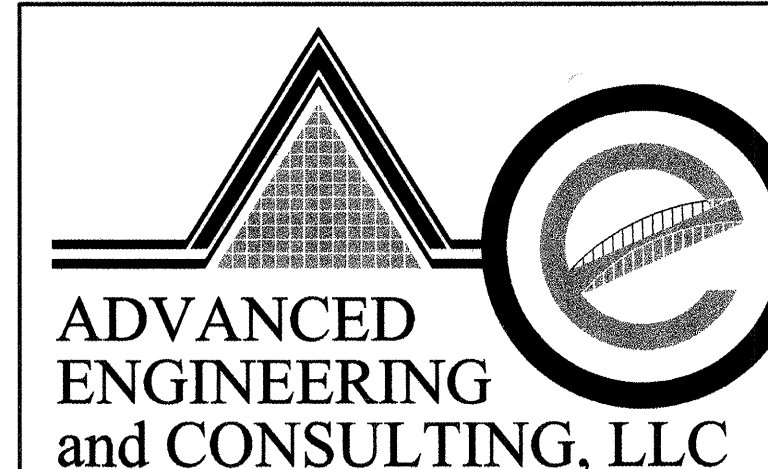
NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #6).
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
3. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.
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 OR SURVEYOR 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 CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE 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 COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNERS EXPENSE.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

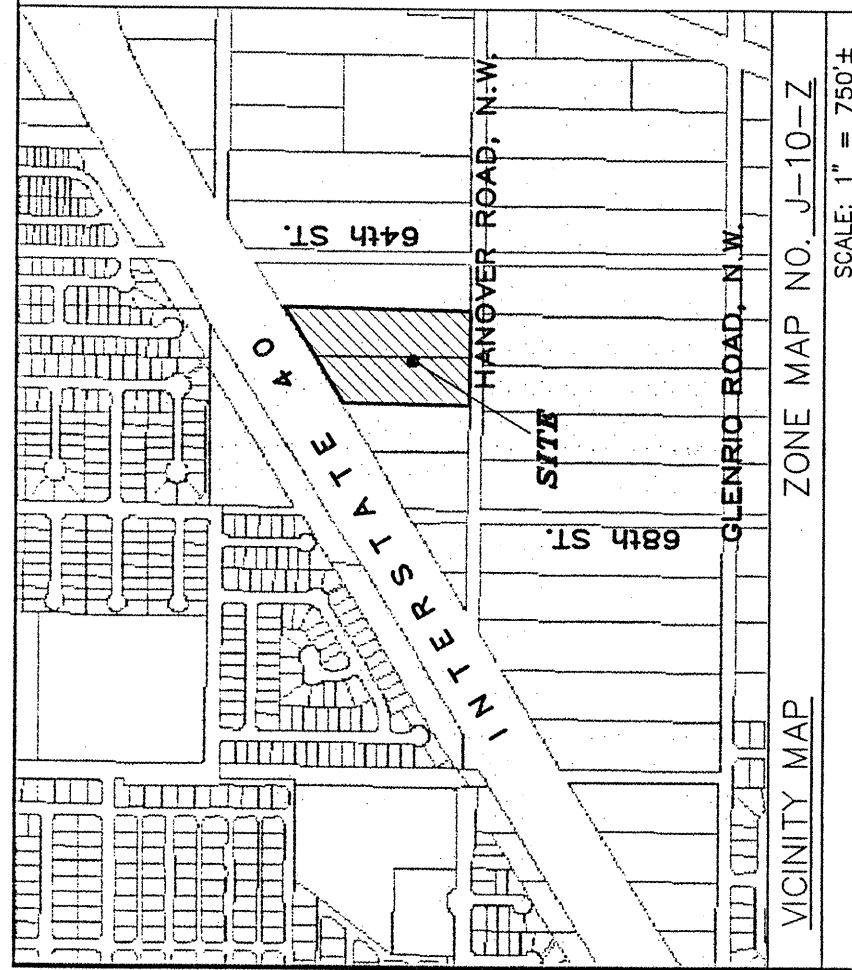
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DERESSED 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.

DRB CASE NUMBER 1001678



10205 SNOWFLAKE CT., NW
ALBUQUERQUE, NEW MEXICO 87114
(505)899-5570

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION		
		DRC Chairman		6-26-02			
		Transportation		6/17/02			
		Water/Wastewater		6/17/02			
		Hydrology		6-21-02			
		C.I.P.		6-21-02			
		Constr. Coord.		6-26-02			
CITY PROJECT NO.				SHEET			
686281				1 OF 8			



DISCLOSURE STATEMENT:
THE PURPOSE OF THIS PLAT IS TO REPLAT A TRACT OF LAND INTO TWO (2) NEW LOTS AND GRANT ANY EASEMENTS AS SHOWN.

FREE CONSENT

THE SUBDIVISION HEREON DESCRIBED IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNERS AND PROPRIETORS THEREOF. SAID OWNERS / PROPRIETORS DOES HEREBY GRANT ANY AND ALL EASEMENTS AS MAY BE CREATED BY THIS PLAT.

OWNER SIGNATURE: Joanna C. Rodriguez DATE: 4/5/02

OWNER PRINT NAME: JOANNA C. RODRIGUEZ

ACKNOWLEDGMENT

STATE OF NEW MEXICO) S.S.

COUNTY OF BERNALILLO)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 5th DAY OF April

20 02 BY Joanna C. Rodriguez

OFFICIAL SEAL
NOTARY PUBLIC STATE OF NEW MEXICO
My commission expires: 9/26/05

NOTARY

OWNER SIGNATURE: Wilfred O. Chavez DATE: 04.08.02

OWNER PRINT NAME: WILFRED O. CHAVEZ

ACKNOWLEDGMENT

STATE OF NEW MEXICO) S.S.

COUNTY OF BERNALILLO)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 8th DAY OF April

20 02 BY Joanna C. Rodriguez

OFFICIAL SEAL
NOTARY PUBLIC STATE OF NEW MEXICO
My commission expires: 9/26/05

NOTARY

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON
UPC # 1010055 YK 557 10001 1010055 YK 557 10001

PROPERTY OWNER OF RECORD: Elvira Chavez

BERNALILLO CO. TREASURER'S OFFICE: Wendy Dwyer

DRAWING: 20013-PLAT DRAWN BY: SHI DATE: 04-24-02

LEGAL DESCRIPTION SEE SHEET 2 OF 2
GENERAL NOTES SEE SHEET 2 OF 2

OWNER SIGNATURE: EL P. CHAVEZ DATE: 04-05-2002

OWNER PRINT NAME: EL P. CHAVEZ

ACKNOWLEDGMENT
STATE OF NEW MEXICO) S.S.
COUNTY OF BERNALILLO)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 5th DAY OF April

20 02 BY Paula J. Myers

OFFICIAL SEAL
NOTARY PUBLIC STATE OF NEW MEXICO
My commission expires: 9/26/05

NOTARY

OWNER SIGNATURE: Adela Chavez DATE: 4/5/02

OWNER PRINT NAME: ADELA CHAVEZ

ACKNOWLEDGMENT

STATE OF NEW MEXICO) S.S.

COUNTY OF BERNALILLO)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 5th DAY OF April

20 02 BY Paula J. Myers

OFFICIAL SEAL
NOTARY PUBLIC STATE OF NEW MEXICO
My commission expires: 9/26/05

NOTARY

OWNER SIGNATURE: Theodore J. Chavez DATE: April 05, 02

OWNER PRINT NAME: THEODORE J. CHAVEZ

ACKNOWLEDGMENT

STATE OF NEW MEXICO) S.S.

COUNTY OF BERNALILLO)

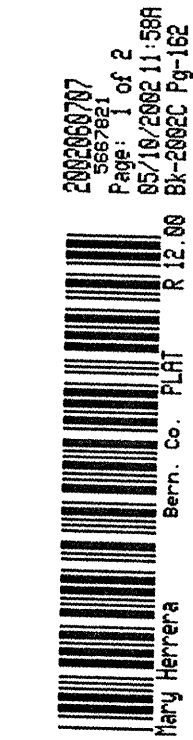
THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 5th DAY OF April

20 02 BY Paula J. Myers

OFFICIAL SEAL
NOTARY PUBLIC STATE OF NEW MEXICO
My commission expires: 9/26/05

NOTARY

UTILITY APPROVALS:
Paula J. Chavez DATE: 5-7-02
PUEBLO SERVICES
Paula J. Chavez DATE: 5-7-02
PUEBLO SERVICES
Paula J. Chavez DATE: 5-7-02
PUEBLO SERVICES
Paula J. Chavez DATE: 5-7-02
PUEBLO SERVICES



SCANNED BY
MESA REPRO

PLAT OF TRACTS 267-A & 267-B UNIT 8

TOWN OF ATRISCO GRANT
WITHIN PROJECTED SECTION 15, T. 10 N., R. 2 E., N.M.P.M.
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
APRIL, 2002

DRB Plat # 1001678
DRB App # 02500-00000 - 00329

APPROVALS:

Bull L. Biglan DATE: 5/8/02
CITY ENGINEER, CITY OF ALBUQUERQUE, N.M.

Richard J. Davis DATE: 5-08-02
ALBUQUERQUE METROPOLITAN AREA FLOOD CONTROL AUTHORITY

Richard J. Davis DATE: 5-08-02
TRACT 267-A & 267-B, CITY OF ALBUQUERQUE, N.M.

Nancy Downing DATE: 5/08/02
UTILITY DEVELOPMENT DIVISION/CITY OF ALBUQUERQUE, N.M.

William E. Anderson DATE: 9/8/02
CITY AND COUNTY ENGINEER, CITY OF ALBUQUERQUE, N.M.

William E. Anderson DATE: 04-28-02
CITY SURVEYOR, CITY OF ALBUQUERQUE, N.M.

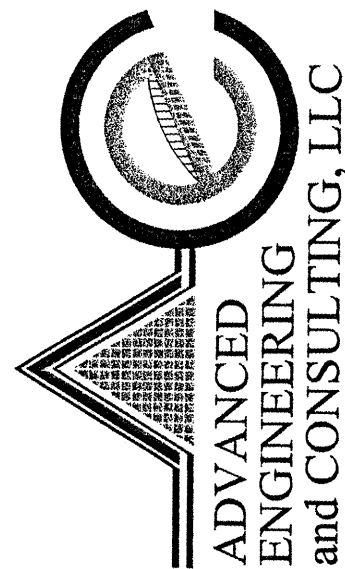
APPROVAL AND CONDITIONAL ACCEPTANCE AS SPECIFIED BY THE ALBUQUERQUE SUBDIVISION ORDINANCE, CHAPTER 14 ARTICLE 14 OF THE REVISED ORDINANCE OF ALBUQUERQUE, NEW MEXICO.

Just F. [Signature] DATE: 5/9/02
CITY PLANNER/CITY OF ALBUQUERQUE PLANNING DIVISION

SURVEYORS CERTIFICATE:

I, LEONARD MARTINEZ, A DULY PROFESSIONAL LAND SURVEYOR, UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION AND MEETS THE REQUIREMENTS FOR MONUMENTATION STANDARDS FOR LAND SURVEYS. I, LEONARD MARTINEZ, A DULY PROFESSIONAL LAND SURVEYOR, UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION AND MEETS THE REQUIREMENTS FOR MONUMENTATION STANDARDS FOR LAND SURVEYS. I, LEONARD MARTINEZ, A DULY PROFESSIONAL LAND SURVEYOR, UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION AND MEETS THE REQUIREMENTS FOR MONUMENTATION STANDARDS FOR LAND SURVEYS.

Leonard Martinez DATE: 4/4/02
LEONARD MARTINEZ P.S. # 9801

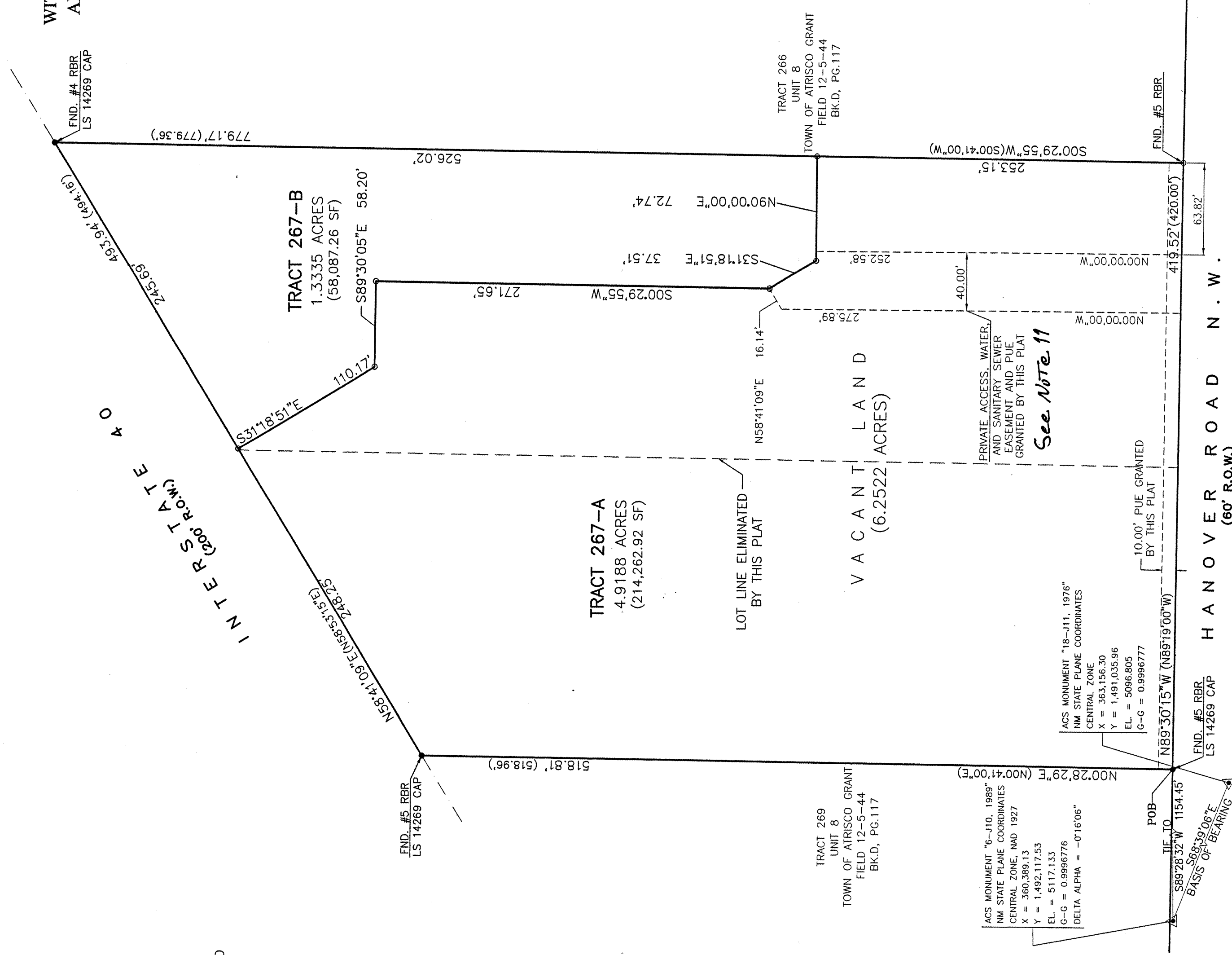


10205 SNOWFLAKE CT, NW
ALBUQUERQUE, NEW MEXICO 87114
(505) 899-5570

SHEET 1 OF 2

PLAT OF TRACTS 267-A & 267-B UNIT 8

TOWN OF ATRISCO GRANT
WITHIN PROJECTED SECTION 15, T. 10 N., R. 2 E., N.M.P.M.
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
APRIL, 2002



LEGAL DESCRIPTION:

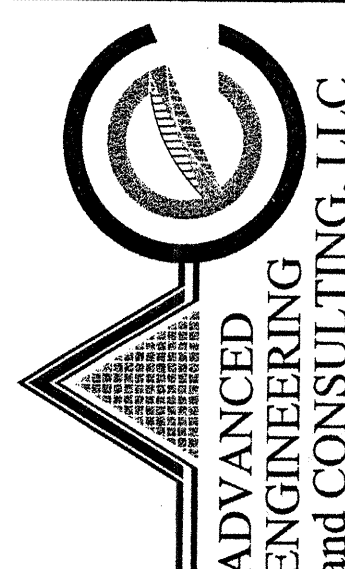
A CERTAIN TRACT OF LAND WITHIN THE TOWN OF ATRISCO GRANT, BEING THE SOUTHWEST CORNER OF TRACTS 267 AND 268, AS THE SAME ARE SHOWN AND DESCRIBED ON A PLAT SHOWING A PORTION OF TRACTS 267 AND 268, ALLOTTED FROM TOWN OF ATRISCO GRANT, T. 10 N., R. 2 E., N.M.P.M., BERNALILLO COUNTY, NEW MEXICO, PLAT NO. 1001678, DATED DECEMBER 5, 1944, IN PLAT BOOK D, PAGE 117 AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF THE HEREIN DESCRIBED TRACT, SAID POINT BEING ON THE NORTH RIGHT-OF-WAY LINE OF HANOVER ROAD N.W. FROM WHENCE THE ALBUQUERQUE CONTROL SURVEY MONUMENT "6-110" BEARS S. 89°28'32" W. 1154.45 FEET; THENCE, FROM SAID POINT OF BEGINNING N. 00°28'29" E., 518.81 FEET TO THE NORTHWEST CORNER OF SAID TRACT AND FURTHER BEING A POINT ON THE SOUTH RIGHT-OF-WAY LINE OF 1-40; THENCE, LEAVING THE NORTHWEST CORNER ALONG SOUTH RIGHT-OF-WAY LINE OF 1-40 N58°41'09" E., 493.94 FEET TO A POINT; THENCE,

FROM SAID POINT S. 00°29'55" E., 779.17 FEET TO THE SOUTHEAST CORNER OF SAID TRACT AND FURTHER BEING A POINT ON THE NORTH RIGHT-OF-WAY LINE OF HANOVER ROAD; THENCE, ALONG SAID RIGHT-OF-WAY LINE N89°30'15" W., 419.52 FEET TO THE SOUTHWEST CORNER OF TRACT HEREIN BEING DESCRIBED AND POINT OF BEGINNING, CONTAINING 6.2522 ACRE (272,345.83 SF) MORE OR LESS.

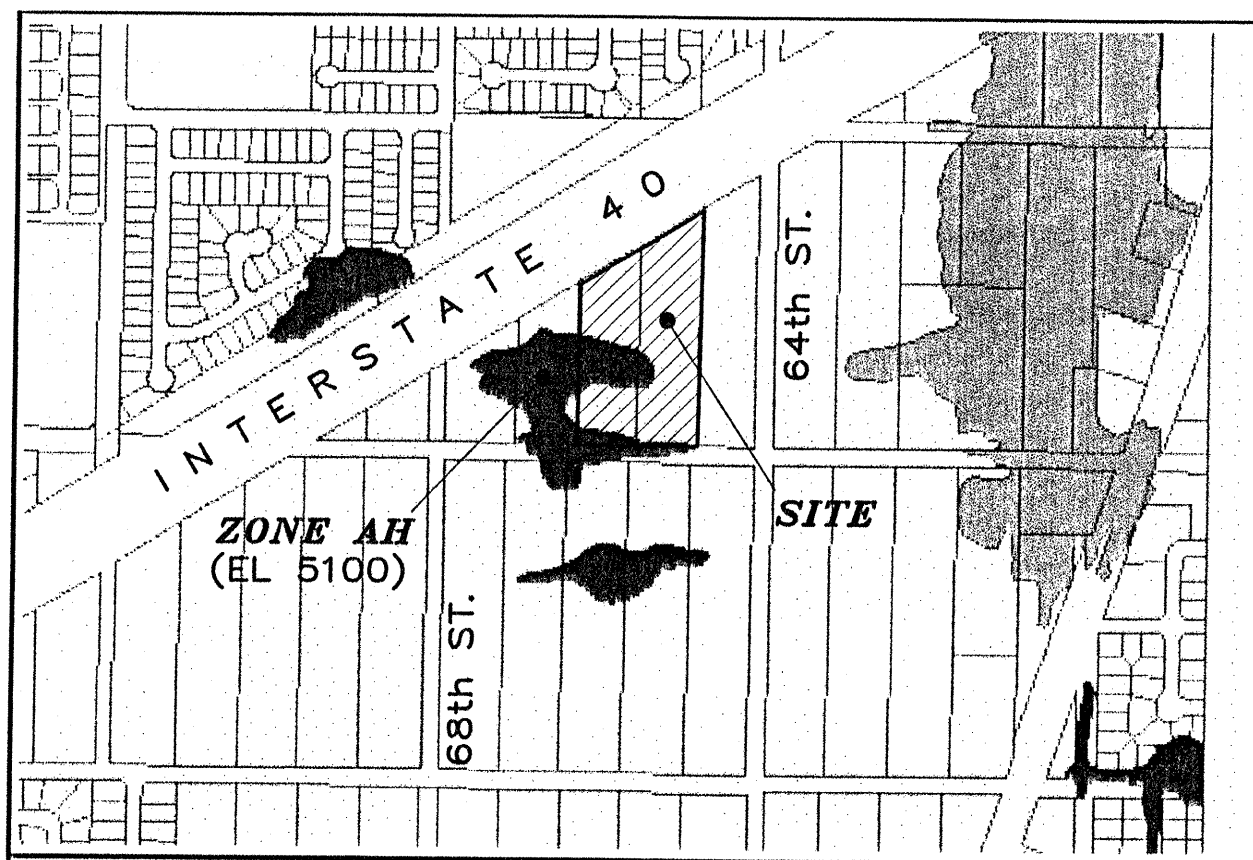
GENERAL NOTES:

- 1: UNLESS NOTED, NO.4 REBAR WITH CAP STAMPED P.S. #9801 SHALL BE SET AT ALL PROPERTY CORNERS.
- 2: THIS PLAT SHOWS ALL EASEMENTS OF RECORD.
- 3: TOTAL AREA OF PROPERTY: 6.2522 ACRES.
- 4: TALOS (S. 100.0000) BEARING BETWEEN ALBUQUERQUE CONTROL STATIONS 6-110 AND 6-111 IS 100.0000.
- 5: BASIS OF BEARINGS IS THE BEARING BETWEEN ALBUQUERQUE CONTROL STATIONS 6-110 AND 6-111.
- 6: BEARINGS ARE GRID DISTANCES ARE GROUND.
- 7: DRB PROJECT NO. 1001678.
- 8: DRB APPLICATION NO. 02500-00000-00329.
- 9: MISC. DATA: ZONING IS C-2.
- 10: MILES OF FULL-WIDTH STREETS CREATED: 0.
- 11: THE PRIVATE ACCESS, WATER, AND SANITARY SEWER EASEMENT GRANTED BY THIS PLAT IS FOR THE BENEFIT OF TRACT 267-B. THE PROPERTY OWNERS OF BOTH TRACTS, 267-A & 267-B, ARE RESPONSIBLE FOR THE MAINTENANCE OF THIS EASEMENT.
- 12: A BLANKET PRIVATE DRAINAGE EASEMENT IS GRANTED TO THE PROPERTY OWNERS FOR BOTH TRACTS ARE RESPONSIBLE FOR THE MAINTENANCE OF THIS EASEMENT.
- 13: CITY OF ALBUQUERQUE WATER AND SANITARY SEWER SERVICES TO THIS LOTS MUST BE VERIFIED SEPARATELY WITH THE WATER RESOURCES DEPARTMENT, CITY OF ALBUQUERQUE.



10205 SNOWFLAKE CT, NW
ALBUQUERQUE, NEW MEXICO 87114
(505) 899-5570

SHEET 2 OF 2



FIRM MAP: 35001C0327 D

EROSION CONTROL PLAN AND POLLUTION PREVENTION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUNOFF ON SITE.
4. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.
6. ALL THE DISTURBED AREAS MUST BE REVEGETATED.

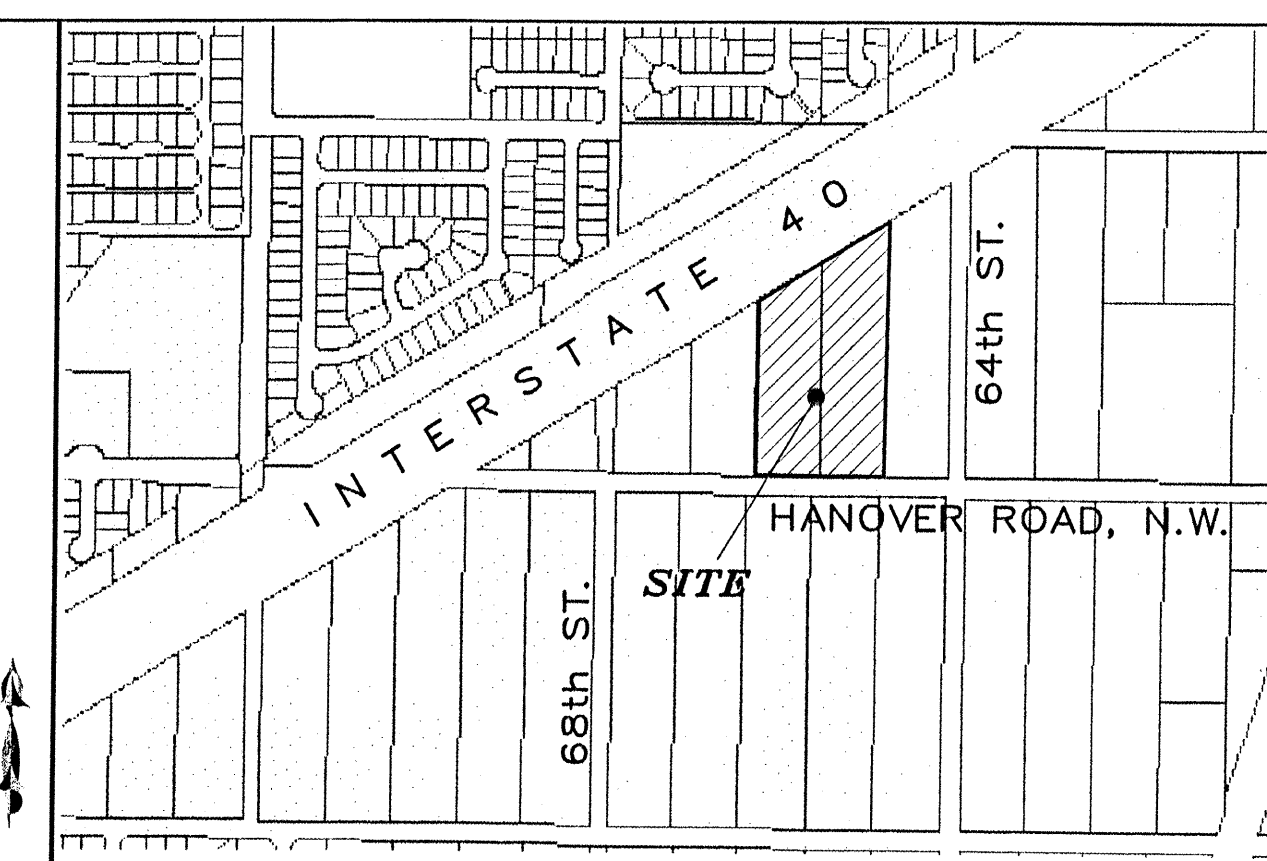
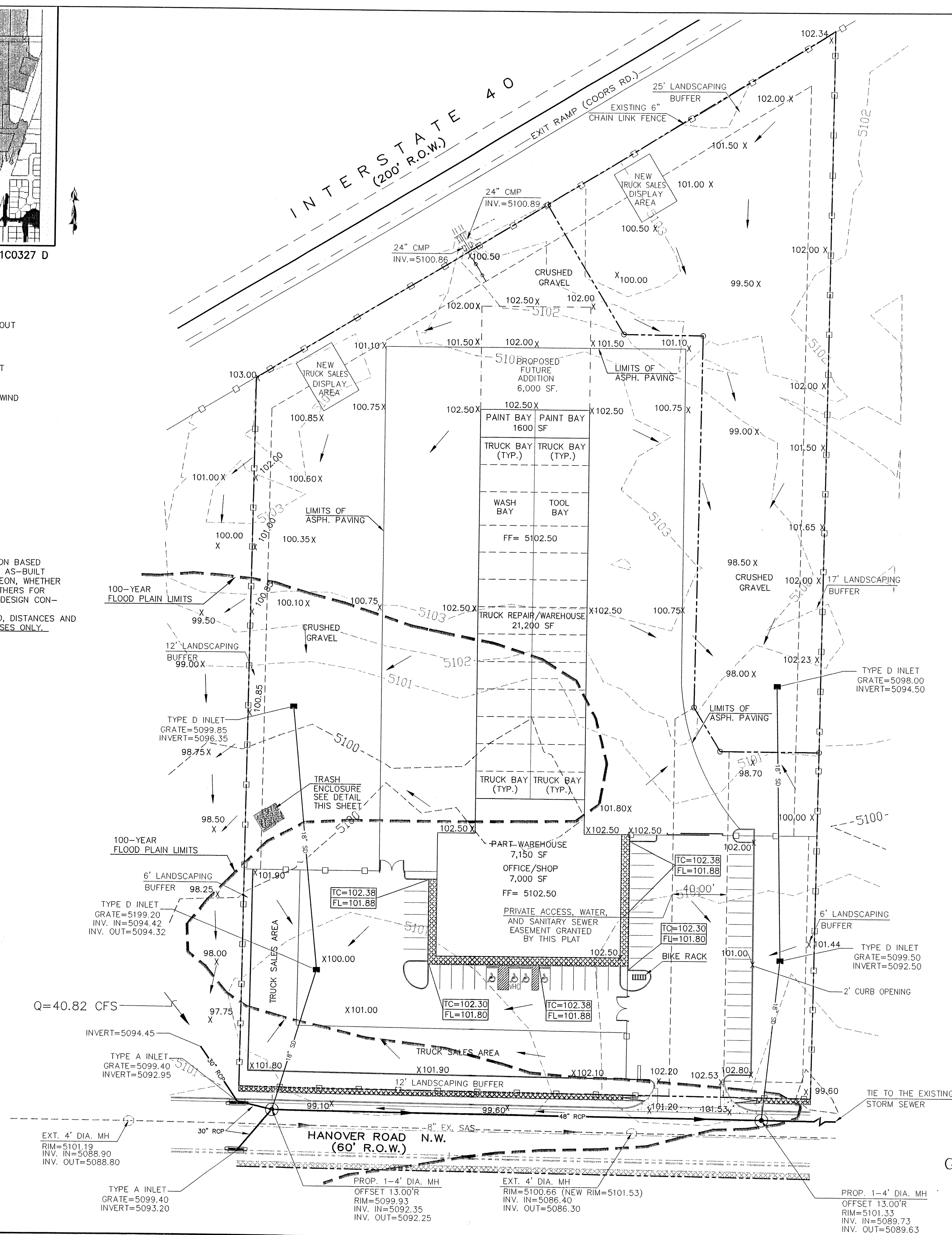
NOTES:

1. EDGE OF THE NEW ASPHALT PAVEMENT
2. MATCH EXISTING GRADE AT THE PROPERTY LINE

GENERAL NOTES:

1. ADD 5100 TO SPOT ELEVATIONS TO SHOW TRUE ELEVATION.
2. CONTOUR INTERVAL IS ONE (1) FOOT.
3. UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.
4. THIS IS NOT A BOUNDARY SURVEY, BEARINGS ARE ASSUMED, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR INFORMATIONAL PURPOSES ONLY.
5. SLOPES ARE AT 4:1 MAXIMUM.

SCANNED BY
MESA REPRO



VICINITY MAP: J-10-Z

LEGAL DESCRIPTION:

PORTION OF TRACT 267 & 268, UNIT 8, TOWN OF ATRISCO GRANT, BERNALILLO CONTAINING 6.2522 ACRE

SITE ADDRESS:

HANOVER ROAD

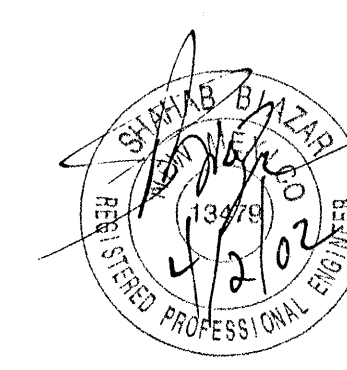
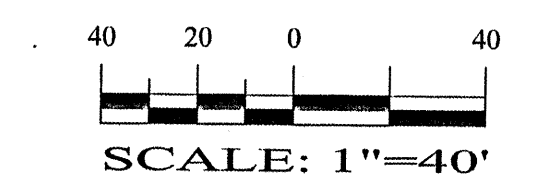
NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

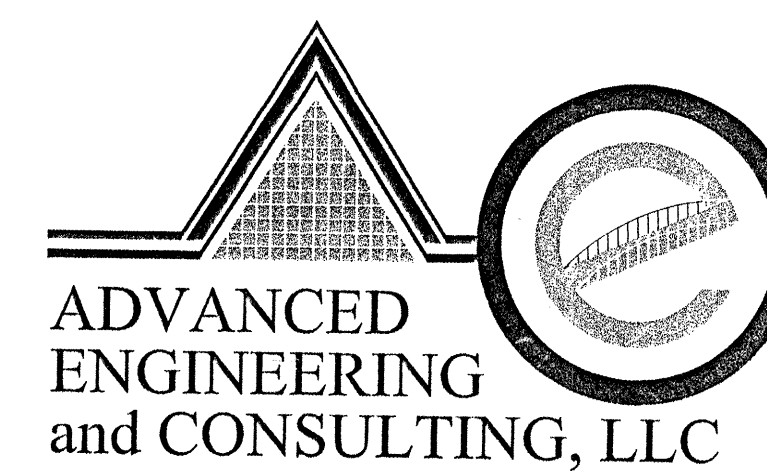
LEGEND

- EXISTING SAS MANHOLE
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- BOUNDARY LINE
- EXISTING GRADE

GRAPHIC SCALE



SHAHAB BIAZAR
P.E. #13479

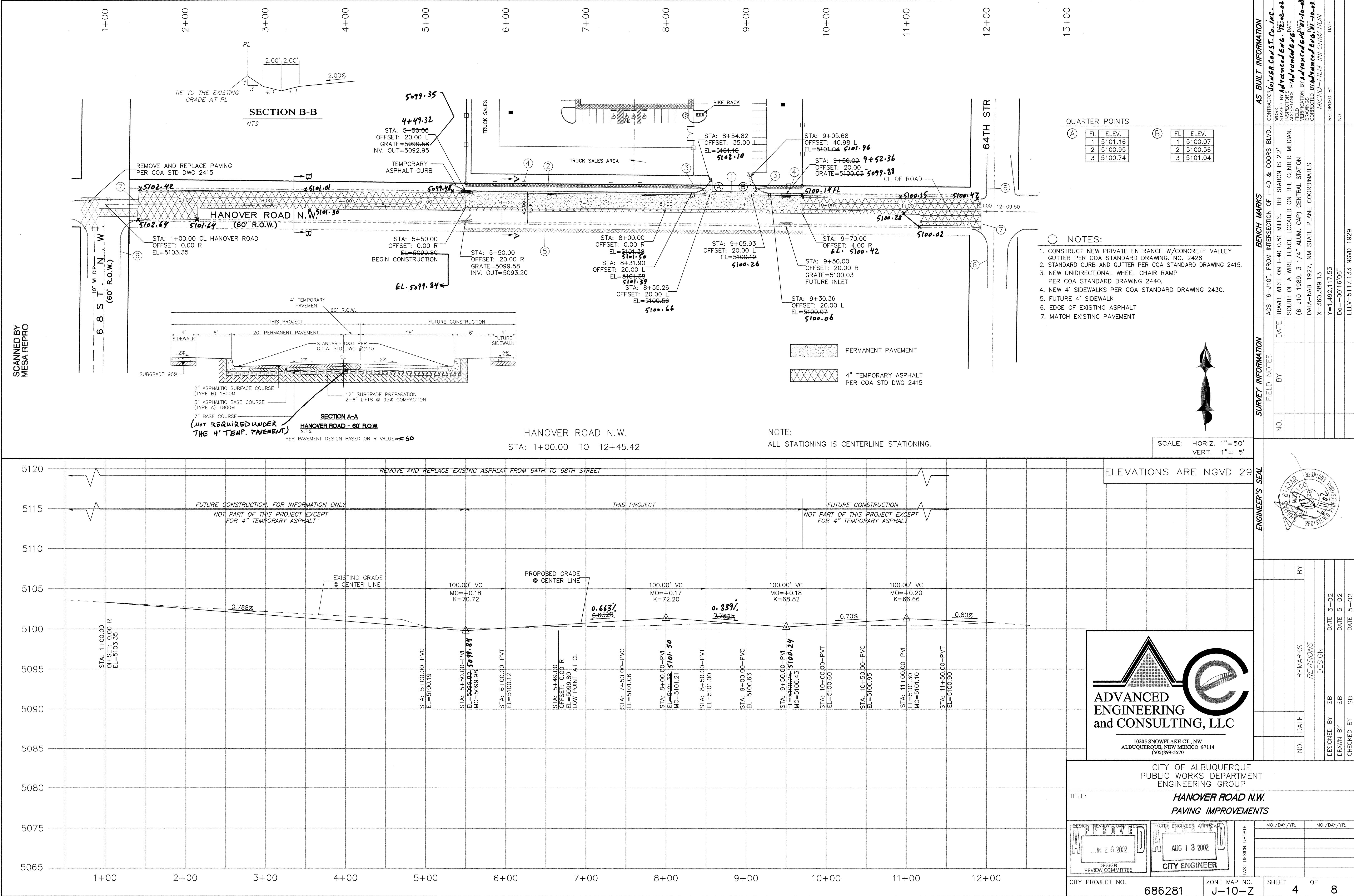


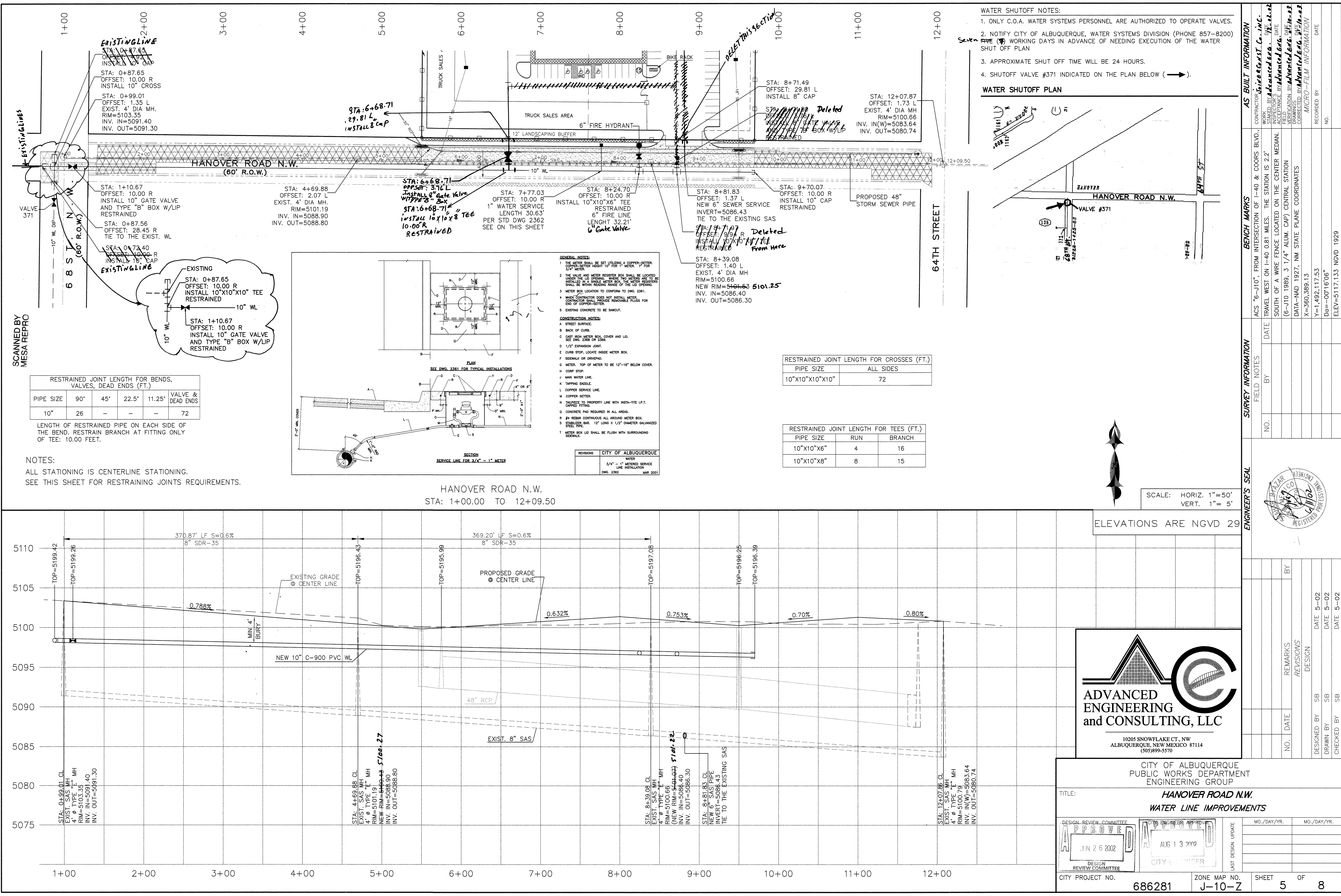
10205 SNOWFLAKE CT., NW
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RUSH ENTERPRISES GRADING AND DRAINAGE PLAN

DRAWING: DRAWN BY: DATE: SHEET #

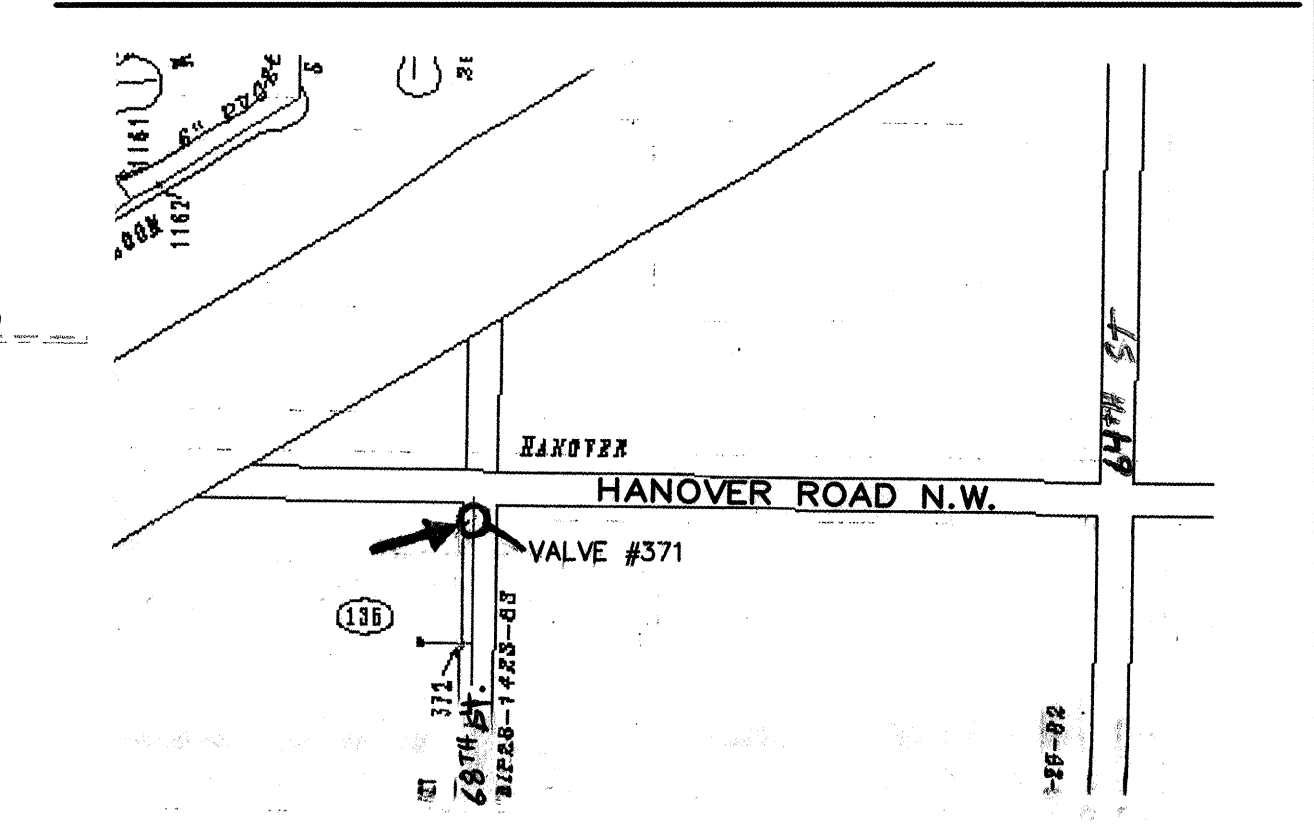
CITY PROJECT NO. 686281 ZONE MAP NO. J-10-Z SHEET 3 OF 8





WATER SHUTOFF NOTES:
1. ONLY C.O.A. WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) FIVE (5) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN
3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
4. SHUTOFF VALVE #371 INDICATED ON THE PLAN BELOW (→).

WATER SHUTOFF PLAN



RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE & DEAD ENDS
10"	26	-	-	-	72

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

RESTRAINED JOINT LENGTH FOR CROSSES (FT.)	
PIPE SIZE	ALL SIDES
10"x10"x10"x10"	72

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
10"x10"x6"	4	16
10"x10"x8"	8	15

GENERAL NOTES:
1. THE METER SHALL BE SET (USING 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 10" WATER LINE. THE METER SHALL BE INSTALLED IN A SINGLE METER BOX. THE METER REGISTER SHALL BE WITHIN READING RANGE OF THE 10" OPERATING.
3. METER BOX LOCATION TO CONFORM TO DWS 2361.
4. WHEN CONTRACTOR DOES NOT INSTALL METER, CONTRACTOR SHALL PROVIDE REMOVABLE PLUGS FOR END OF COPPER-SETTER.
5. EXISTING CONCRETE TO BE SAWCUT.
CONSTRUCTION NOTES:
A. STREET SURFACE.
B. BACK OF CURB.
C. CURE STOP, LOCATE INSIDE METER BOX. SEE DWS 2368 OR 2369.
D. 1/2" EXPANSION JOINT.
E. CURE STOP, LOCATE INSIDE METER BOX.
F. SIDEWALK OR DRIVEWAY.
G. METER, TOP OF METER TO BE 12"-18" BELOW COVER.
H. CORP STOP.
I. MAIN WATER LINE.
J. TAPPING SADDLE.
K. COPPER SERVICE LINE.
L. COPPER METER.
M. TAPPING SADDLE TO PROPERTY LINE WITH INSTA-TITE L.P.T. CAPPED FITTING.
N. CONCRETE PAD REQUIRED IN ALL AREAS.
O. #4 REBAR CONTINUOUS ALL AROUND METER BOX.
P. STABILIZER BAR, 12" LONG X 1/2" DIAMETER GALVANIZED STEEL PIPE.
T. METER BOX LID SHALL BE FLUSH WITH SURROUNDING SIDEWALK.

REVISIONS: CITY OF ALBUQUERQUE
3/4" - 1" METERED SERVICE LINE INSTALLATION
DWS: 2362 MAR 2001



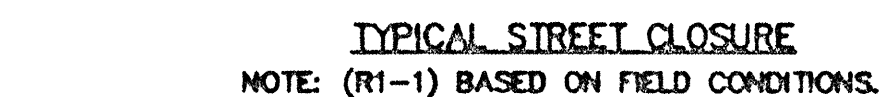
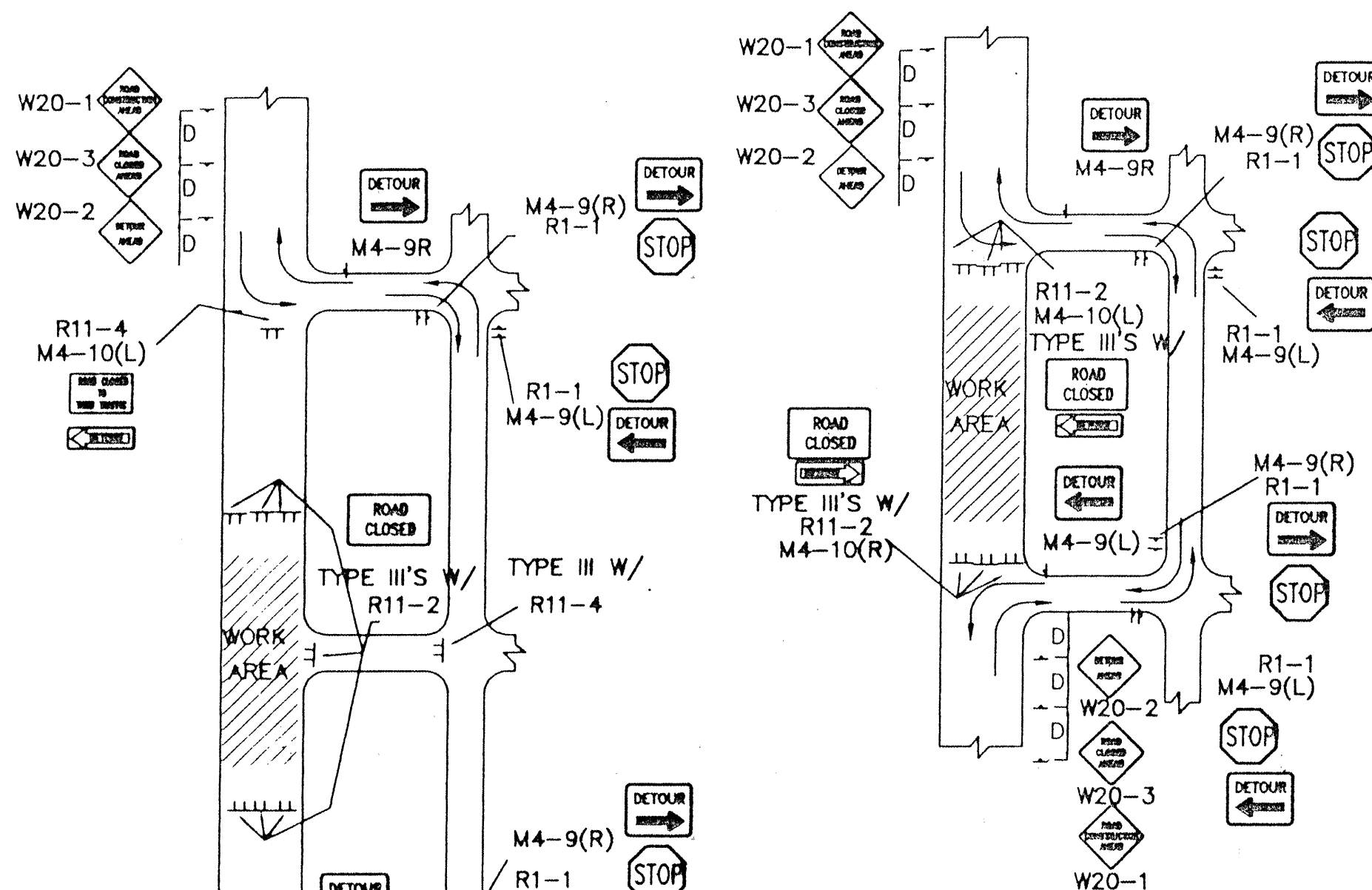
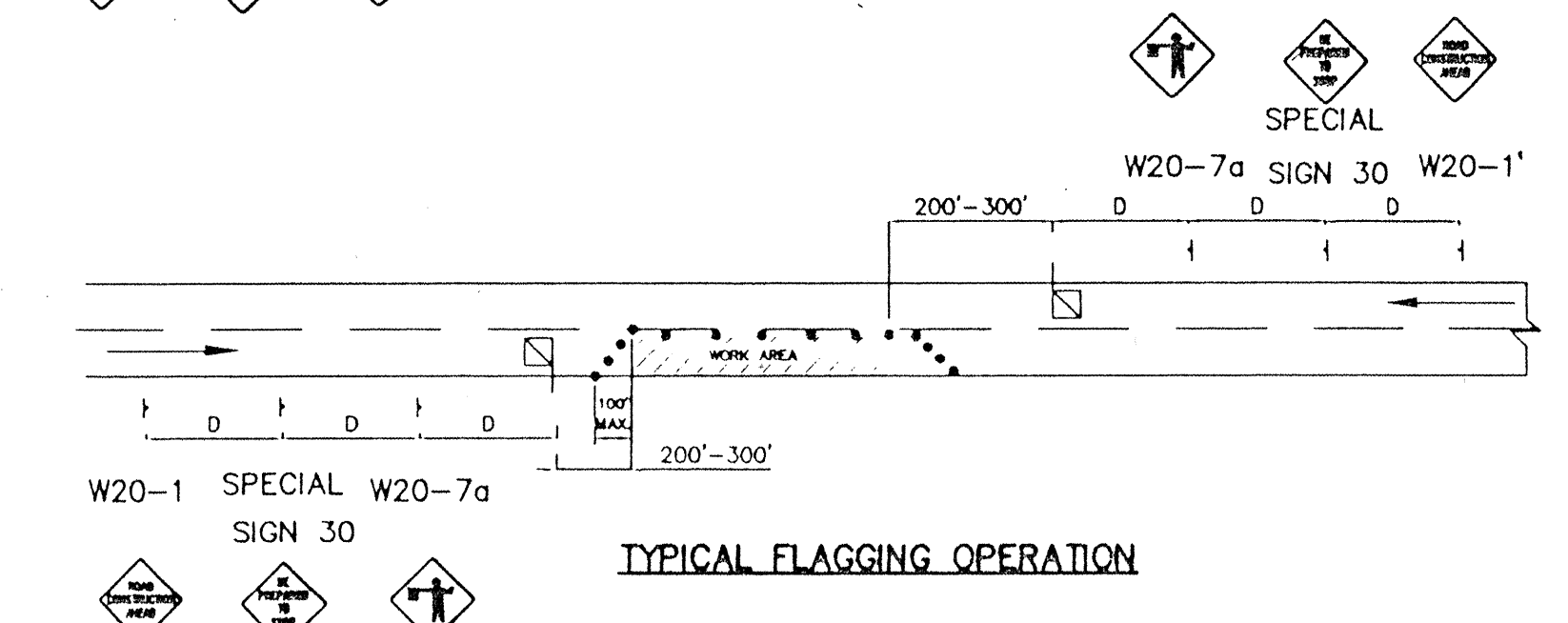
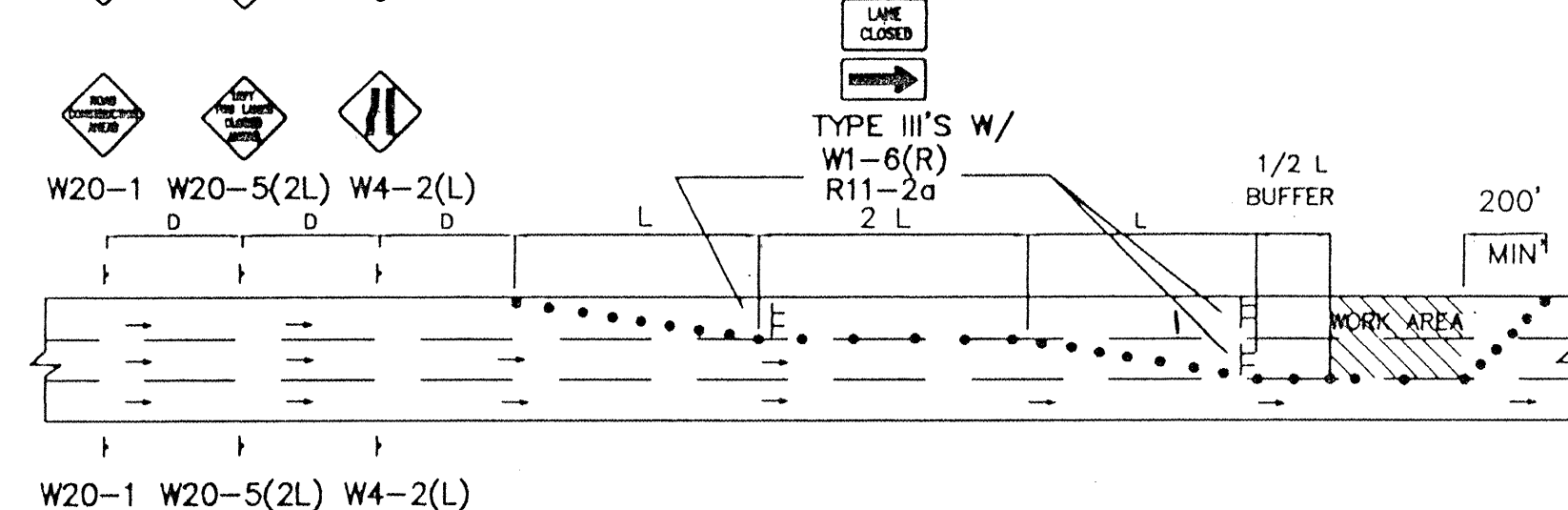
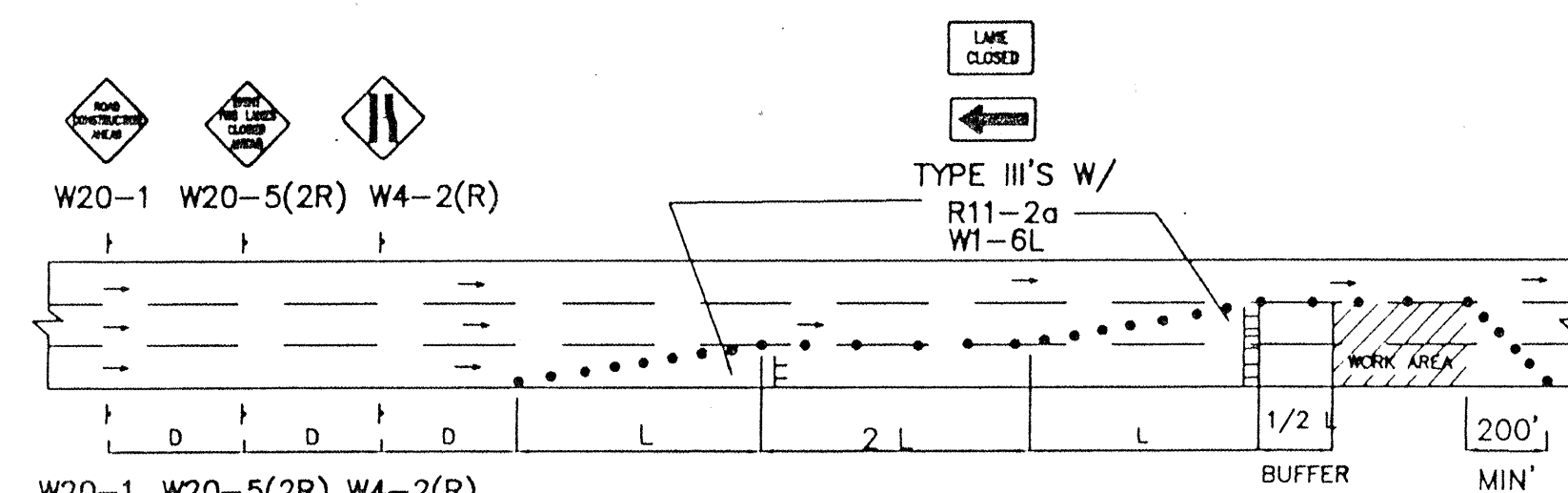
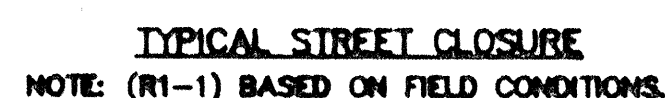
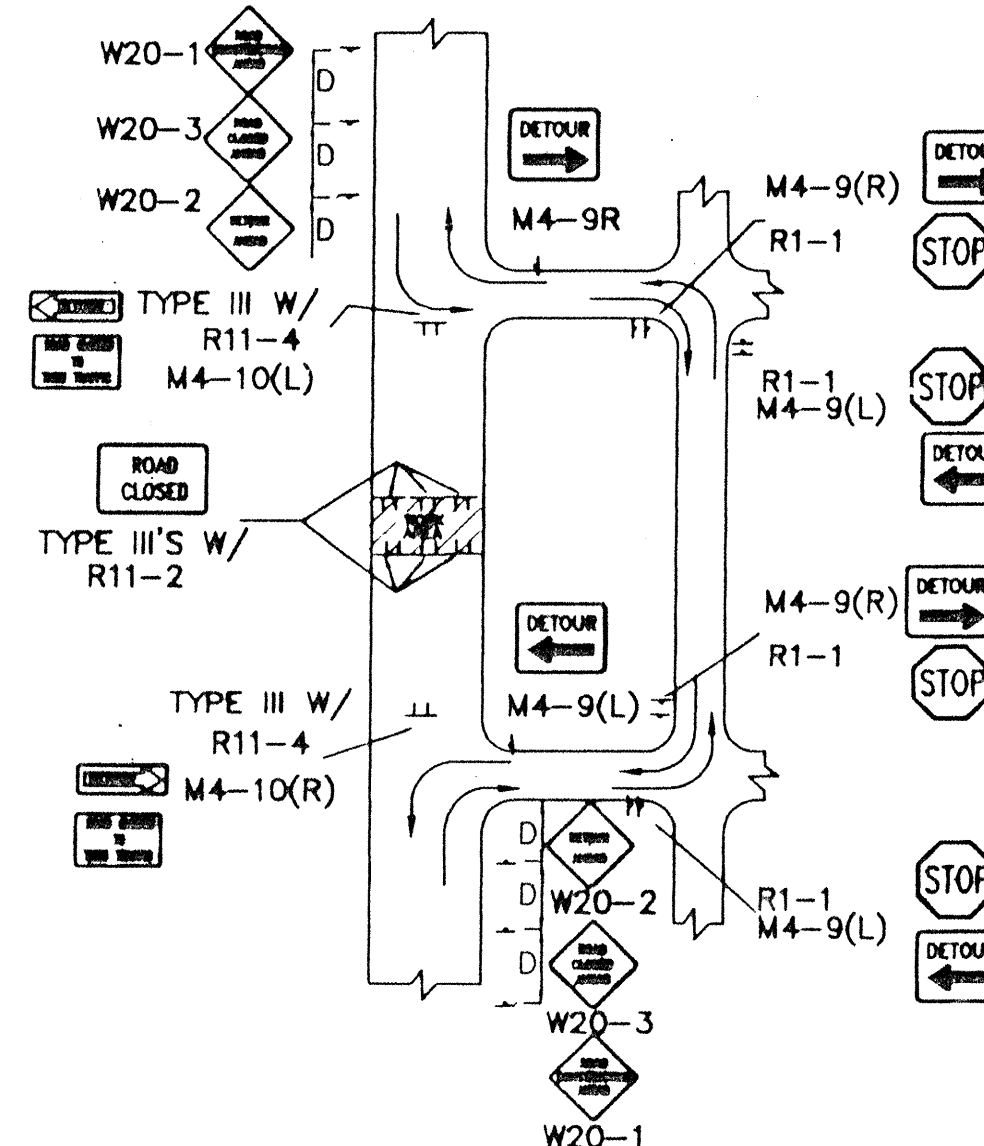
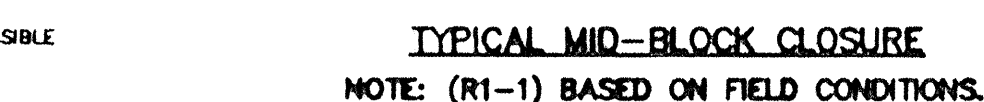
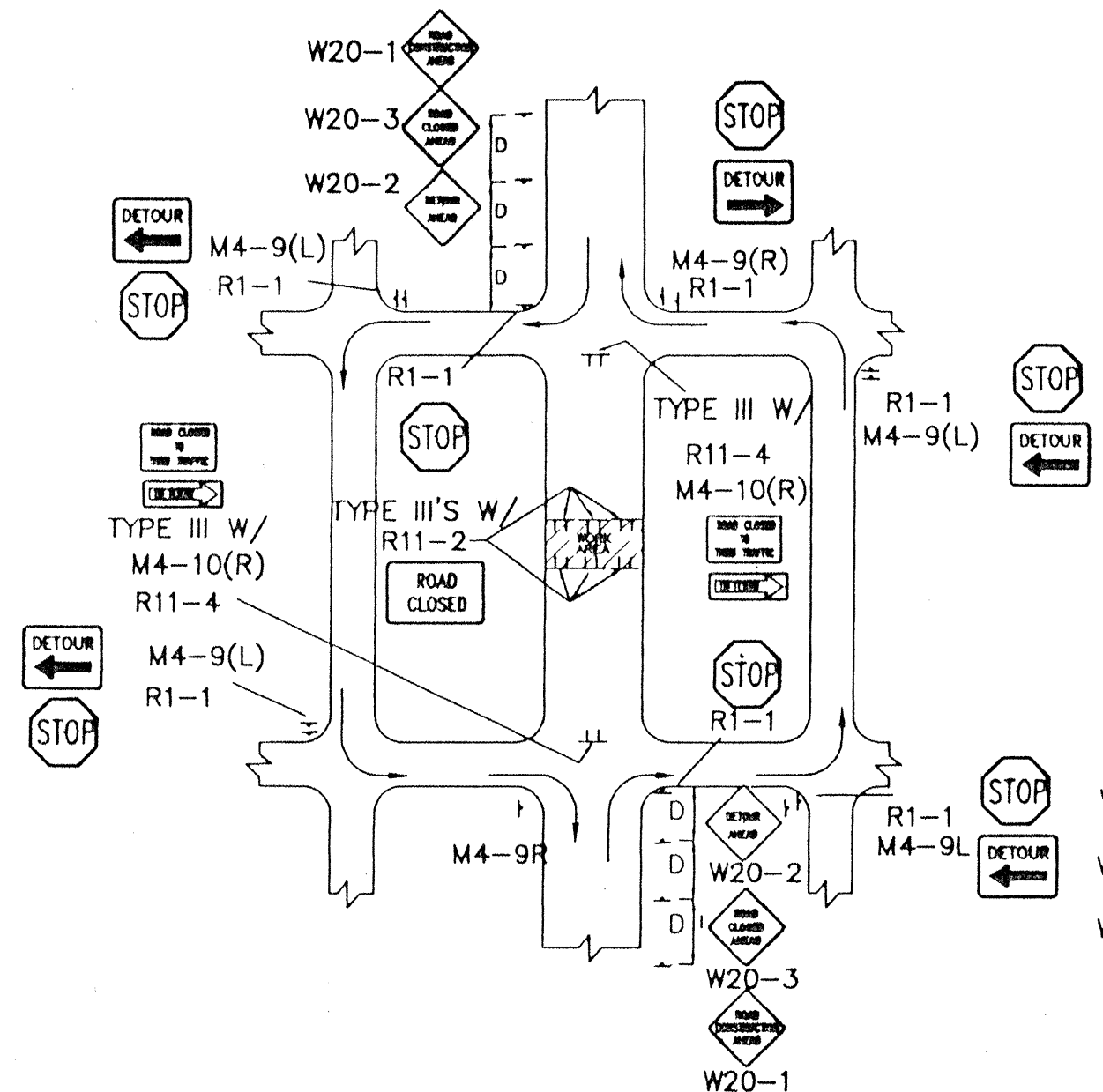
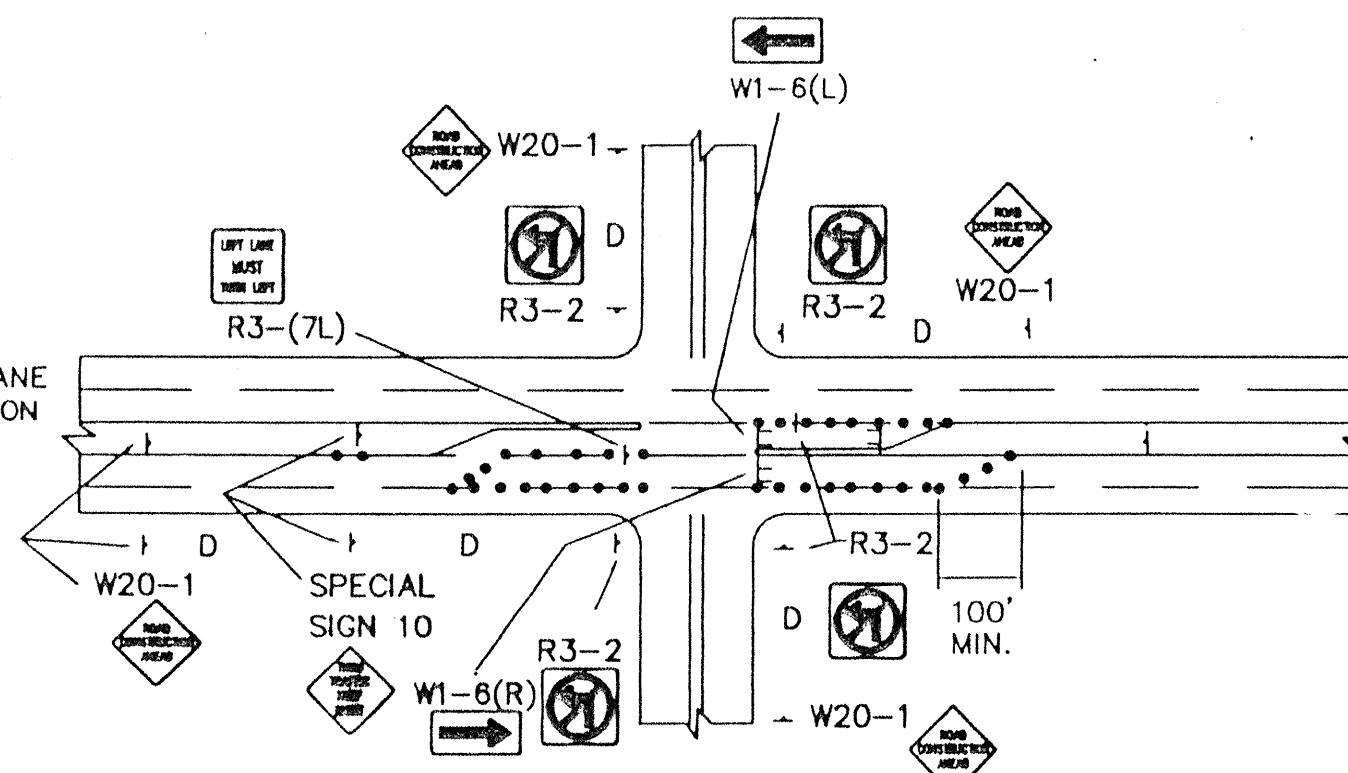
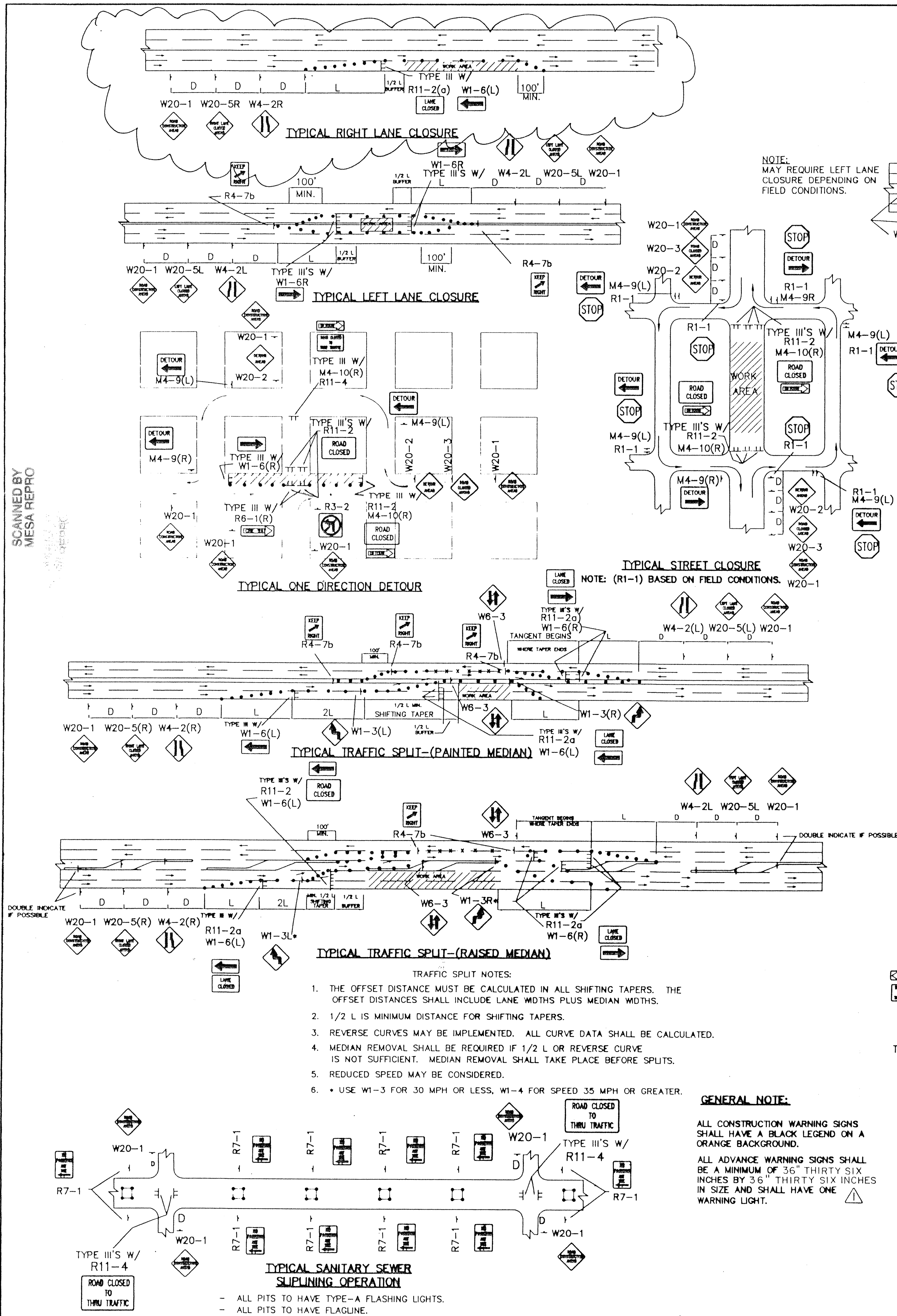
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **HANOVER ROAD N.W. WATER LINE IMPROVEMENTS**

DESIGN REVIEW COMMITTEE: APPROVED JUN 26 2002
CITY ENGINEER: APPROVED AUG 13 2002

DESIGNED BY: SB DATE: 5-02
DRAWN BY: SB DATE: 5-02
CHECKED BY: SB DATE: 5-02

CITY PROJECT NO. **686281** ZONE MAP NO. **J-10-Z** SHEET **5** OF **8**



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR MO./DAY/YR	
COA	STD	LAST UPDATE	
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
686281	J-10-Z	7	8

SCANNED BY
MESA REPRO

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 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 REQUIRED ADVANCE WARNING SIGN PLACEMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PLACEMENTS OF THE MUTCD, LATEST EDITION.
19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A ROAD, THE CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SHERIFF, 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.

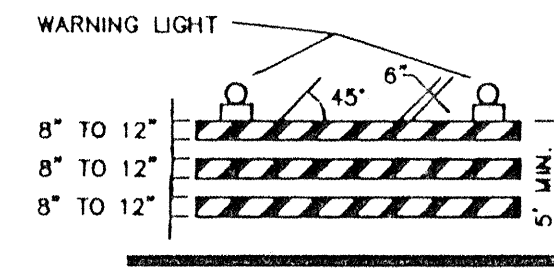
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

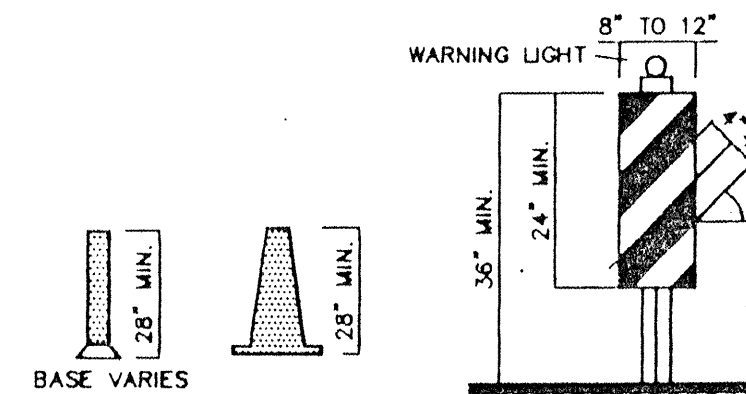
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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. 

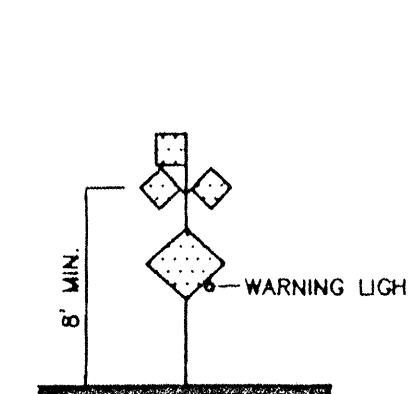
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. 



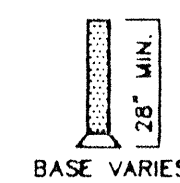
TYPE III BARRICADE



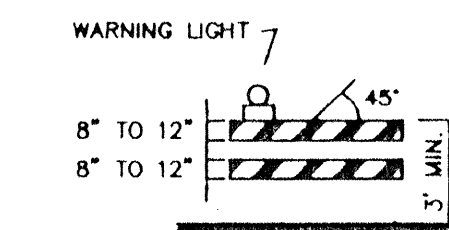
VERTICAL PANEL



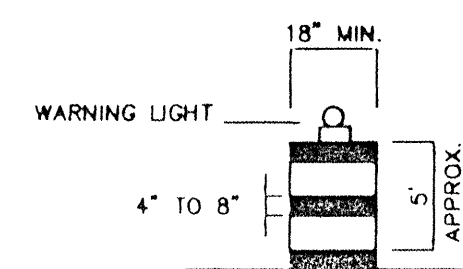
HIGH LEVEL WARNING DEVICE



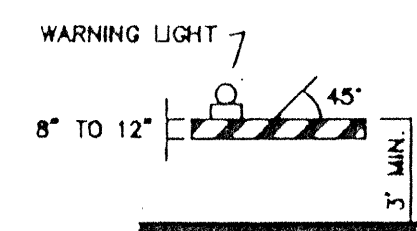
CONES



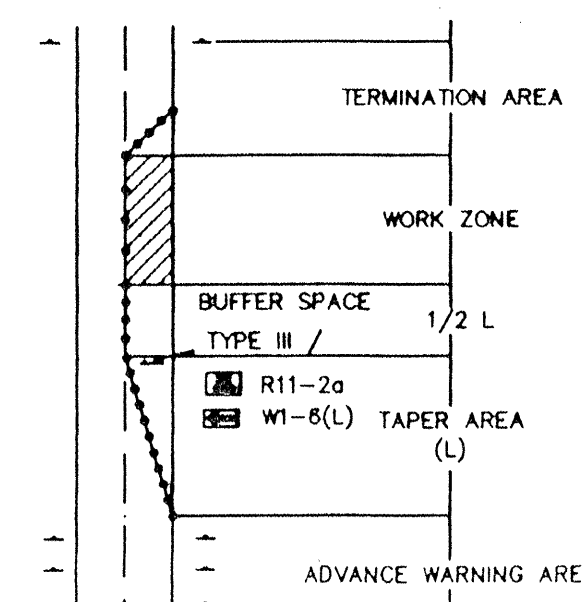
TYPE II BARRICADE



BARREL

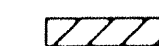


TYPE I BARRICADE



TRAFFIC CONTROL ELEMENTS

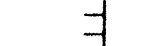
LEGEND



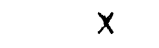
WORK AREA



BARRICADE - TYPE I, TYPE II, OR BARREL



BARRICADE - TYPE III



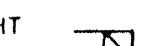
WARNING SIGN



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 (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 LIMIT (MPH)	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

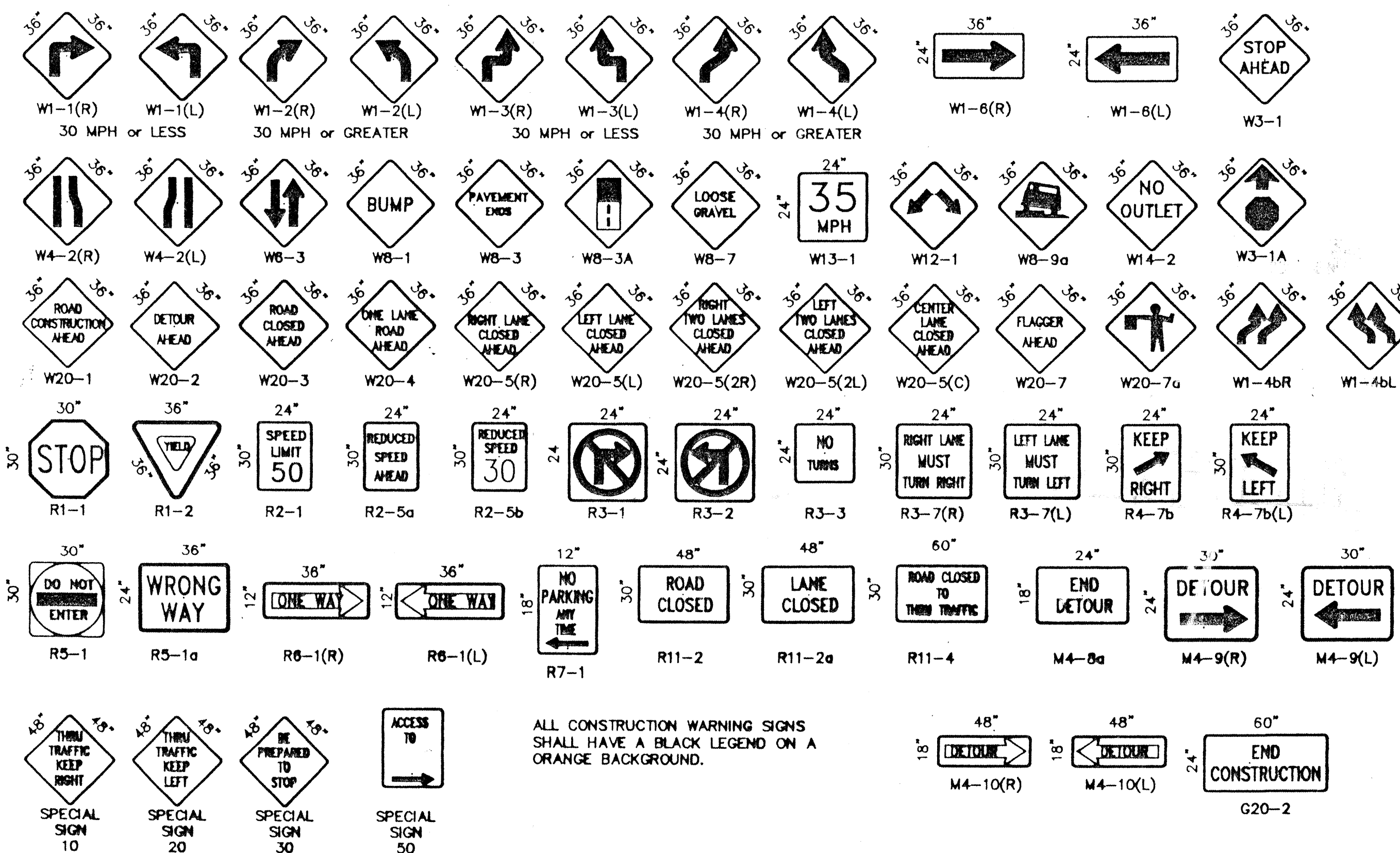
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	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

SIGN FACE DETAILS



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

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE:			
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO. / DAY / YR.	
COA	STD		
CITY PROJECT NO. 686281		ZONE MAP NO. J-10-Z	SHEET 8 OF 8