

OFFSITE IMPROVEMENT PLANS FOR CITY OF ALBUQUERQUE



COTTONWOOD CORNERS SHOPPING CENTER NEW INFRASTRUCTURE IMPROVEMENTS FOR ELLISON DRIVE AND NEW MEXICO STATE HIGHWAY 528

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION - AS AMENDED THROUGH UPDATE NO. 6.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT ONE CALL SYSTEM, INC. 260-1990, FOR LOCATION OF EXISTING UTILITIES. CONTRACT NEW MEXICO UTILITY INC. FOR WATER AND SEWER LOCATION. CONTRACTOR SHALL COORDINATE ALL UTILITY WORK INCLUDING CUT OFF OF EXISTING UTILITIES FOR NEW CONNECTIONS (FIRE PROTECTION, DOMESTIC WATER, SEWER, STORM DRAIN, GAS PIPING, ETC.) WITH ENGINEER, OWNER, AND LOCAL UTILITY REPRESENTATIVE.
- THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH MUNICIPAL OFFICIALS, AND PREVIOUS CONSTRUCTION DRAWINGS. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES AND UTILITY CONNECTION POINTS IN THE VICINITY OF THE REQUIRED WORK MAY BE DIFFERENT FROM THE LOCATION SHOWN ON THESE DRAWINGS. 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL GAS, ELECTRIC, TELEPHONE LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY.
- 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.
- THE CONTRACTOR SHALL EXERCISE REASONABLE CARE DURING CONSTRUCTION TO PREVENT THE MOVEMENT OF SEDIMENT FROM THE SITE INTO EXISTING STREETS. LOOSE SOIL STOCKPILES DURING CONSTRUCTION ACTIVITIES SHALL BE PROMPTLY CLEANED UP OR PROTECTED FROM BEING CARRIED DOWNSTREAM BY FLOWING WATER.
- DISPOSAL OF ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS SPECIFIED IN SECTION 6.14 OF THE GENERAL CONDITIONS IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION - AS AMENDED THROUGH UPDATE NO. 6.
- A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVING, CONCRETE CURBS AND SIDEWALKS, ETC., SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE FIELD ENGINEER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- CONTRACTOR SHALL COORDINATE WITH NEW MEXICO UTILITIES, INC., A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO IMPLEMENTING THE PROPOSED WATER VALVE SHUT-OFF AND PRIOR TO INITIATING ANY WORK AFFECTING ANY EXISTING PUBLIC OR PRIVATE UTILITY.
- WHEN ADJUTING NEW PAVEMENT TO EXISTING, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE PROJECT ENGINEER, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. ALL PAVEMENT CUTS SHALL BE RECONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD DRAWING 2465.
- A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION SCHEDULE AND A CONSTRUCTION SIGNING AND BARRICADE PLAN TO CONSTRUCTION COORDINATION. TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE TRAFFIC ENGINEERING DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE SPECIFICATIONS.
- THE CONTRACTOR SHALL PLACE THE PERMANENT PAVEMENT MARKINGS AS SHOWN ON THE DRAWING.
- THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF EKN ENGINEERING IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.
- 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 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 SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OR 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 44 OF THE SPECIFICATIONS.
- ANY EXCAVATION WORK IN THE AREA OF ALL HIGH PRESSURE GAS LINES SHALL REQUIRE THE PRESENCE OF A GAS COMPANY OF NEW MEXICO REPRESENTATIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE GAS COMPANY OF NEW MEXICO REPRESENTATIVE, ERMINIO GURILE, AT 345-1877, EMERGENCY NUMBER 345-6058.
- MANHOLE STEPS WILL BE INSTALLED IN ALL STORM DRAIN MANHOLES AND JUNCTION BOXES AND CATCH BASINS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER CONTRACT ITEMS AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- ALL CONFLICTING EXISTING STRIPING SHALL BE REMOVED BY EITHER GRINDING OR WITH APPROVED CHEMICAL PROCEDURES.
- ALL AREAS DISTURBED BY CONTRACTORS WORK SHALL BE REVEGETATED IN ACCORDANCE WITH SUPPLEMENTAL TECHNICAL SPECIFICATION 1012.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL, COMPACTION AND PAVING SHALL BE ACCORDING TO C.O.A. STD. DWG. 2465.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE FIELD 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 HANDICAP RAMP, THE RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL ENSURE THAT WORK IN OR NEAR ANY STREET OR HIGHWAY RIGHT-OF-WAY DOES NOT COMPROMISE VEHICULAR AND PEDESTRIAN SAFETY OR INTERFERE WITH TRAFFIC FLOW.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL TRAFFIC SIGNS WITHIN THE CONSTRUCTION AREA.
- CONTRACTOR SHALL USE CAUTION WHEN TRENCHING ADJACENT TO EXISTING UTILITIES. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY AND PROVIDE ACCEPTABLE MEANS OF SUPPORTING UTILITIES WHEN THEY BECOME EXPOSED WITHIN THE TRENCH PRISM.

CONSTRUCTION NOTES

- PERMANENT STANDARD CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH C.O.A. STD. DWG. 2415.
- PERMANENT MEDIAN CURB AND GUTTER SHALL BE MOUNTABLE TYPE CONSTRUCTED IN ACCORDANCE WITH C.O.A. STD. DWG. 2415.
- CONCRETE MEDIAN PAVING SHALL BE CONSTRUCTED ON ALL RAISED MEDIANS WHERE PERMANENT CURB SPACING IS LESS THAN 4 FEET BACK TO BACK. CONCRETE MEDIAN PAVING SHALL ALSO BE CONSTRUCTED AT ALL MEDIAN NOSES A DISTANCE OF 10 FEET BACK FROM MEDIAN NOSE REGARDLESS OF MEDIAN WIDTH. CONCRETE MEDIAN PAVING SHALL BE 4" THICK PORTLAND CEMENT CONCRETE, 4000 PSI 28 DAY STRENGTH, TEXTURED 32" x 36" CANYON STONE, COLOR B-7 MEXICAN TILE IN ACCORDANCE WITH C.O.A. STD. DWG. 2408, EXCEPT WHERE OTHERWISE NOTED ON THE DRAWINGS.
- ALL CURB RETURNS AND RIGHT TURN CHANNELIZATION ISLANDS SHALL BE CONSTRUCTED TO INCLUDE WHEELCHAIR RAMPS IN ACCORDANCE WITH C.O.A. STD. DWGS. 2440 & 2441.
- CONCRETE VALLEY GUTTERS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE DRAWINGS IN ACCORDANCE WITH C.O.A. STD. DWG. 2420.
- 6" SIDEWALKS SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THE DRAWINGS IN ACCORDANCE WITH C.O.A. STD. DWG. 2430 AND 2431.
- PRIOR TO WORK ON STATE ROAD 528 THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM NMST&D.**

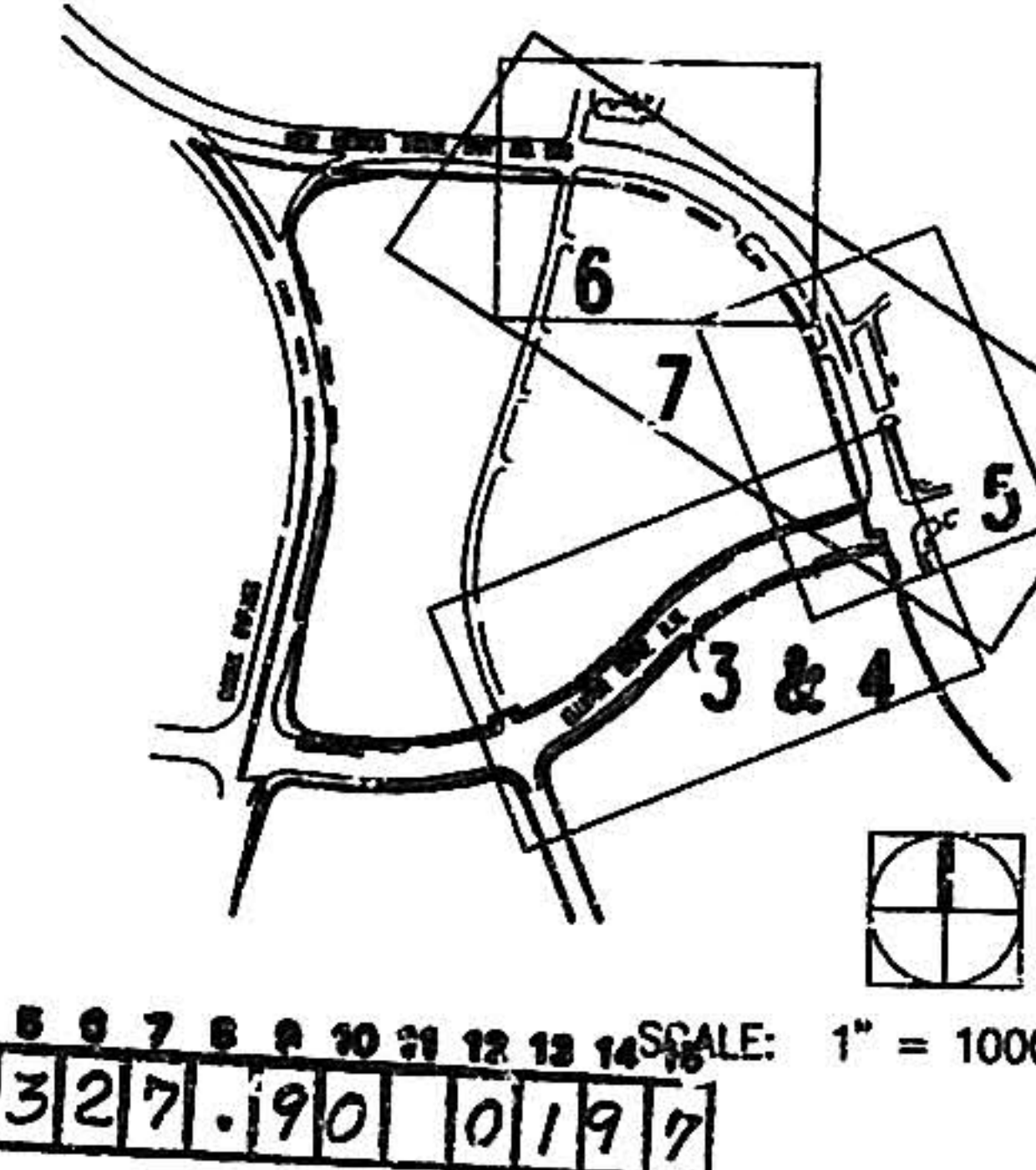
STORM DRAIN NOTES

- CONSTRUCT STORM DRAIN PER C.O.A. DWGS. 2101 & 2102.
- ALL TYPE "A" STORM DRAIN INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH C.O.S. STD. DWGS. 2201 AND 2202.
- TYPE "C" STORM DRAIN INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH C.O.A. STD. DWGS. 2203 AND 2205.
- STORM DRAIN GRATES SHALL BE MANUFACTURED IN ACCORDANCE WITH C.O.A. STD. DWG. 2220.
- SLOTTED DRAIN PIPE SHALL BE CONSTRUCTED IN ACCORDANCE WITH C.O.A. STD. DWG. 2225.
- STORM DRAIN STUBOUTS THROUGH BACK OF CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH C.O.A. STD. DWG. 2237.
- CHANNEL EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH C.O.A. STD. DWG. 2265.
- ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS 3, EXCEPT AS OTHERWISE NOTED.
- ALL RCP SHALL BE INSTALLED WITH CLASS "B" BEDDING.
- DISTANCE ON PLANS AND PROFILES ARE FORM THE P.I.'S OF MH'S OR BENDS TO P.I.'S OF MH'S OR BENDS, EXCEPT FROM STA. 38+80.42 TO STA 44+30.00 ON ELLISON DR.

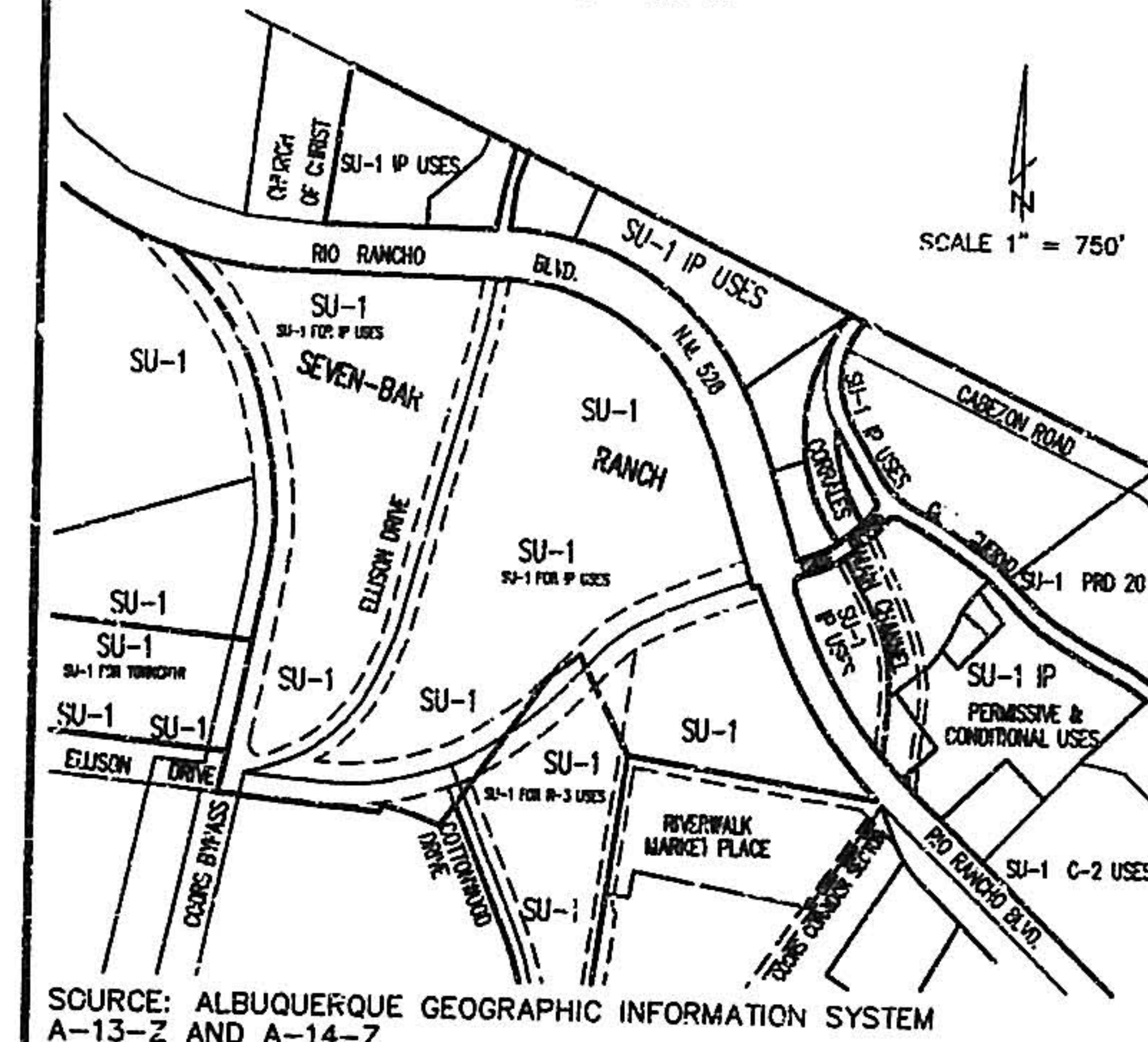
SHEET INDEX

- TITLE SHEET
- QUANTITIES AND NOTES
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- ELLISON DRIVE ROADWAY IMP.
- NM528 ROADWAY IMPROVEMENTS
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- TRAFFIC CONTROL PLAN

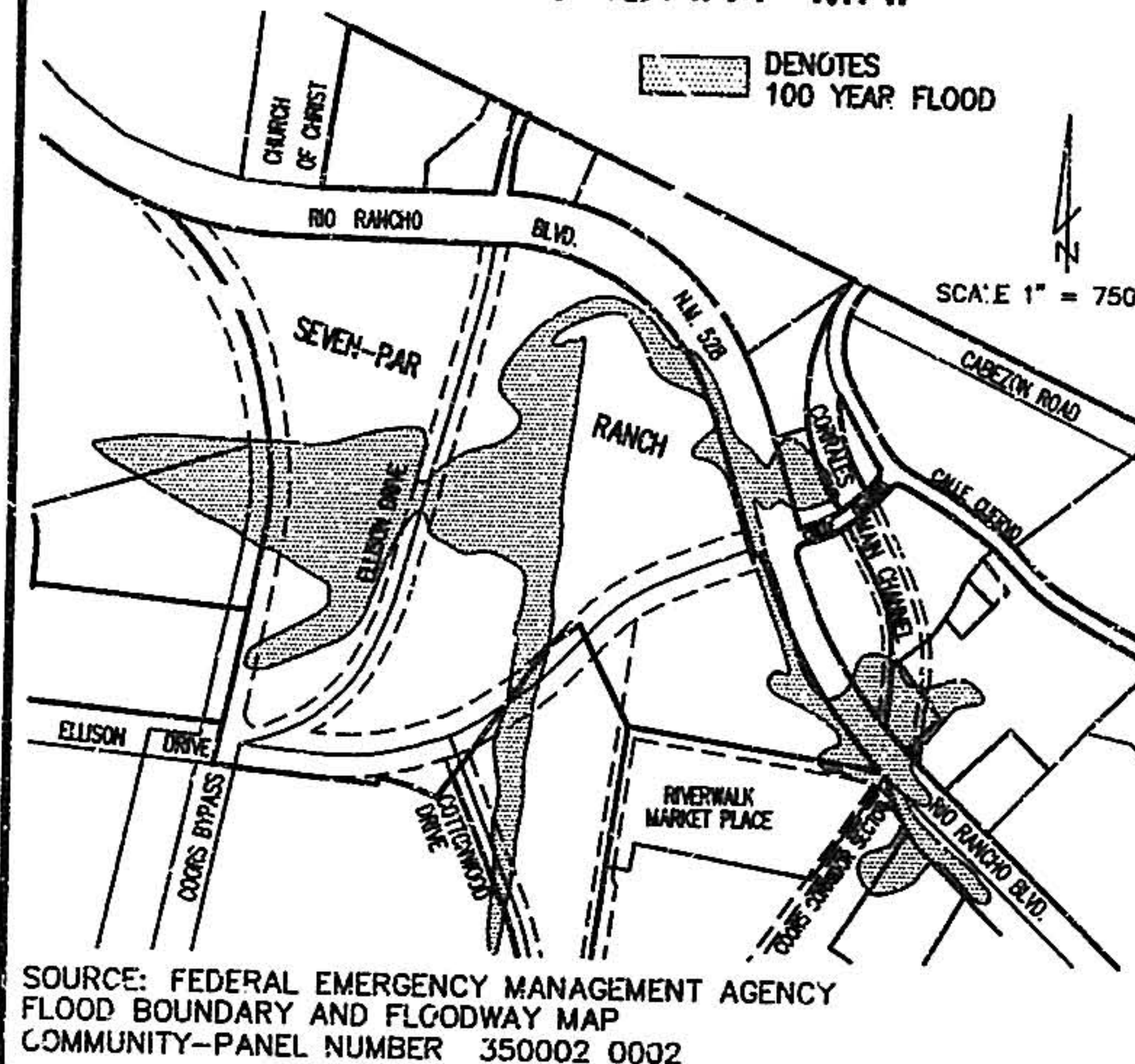
SHEET INDEX MAP:



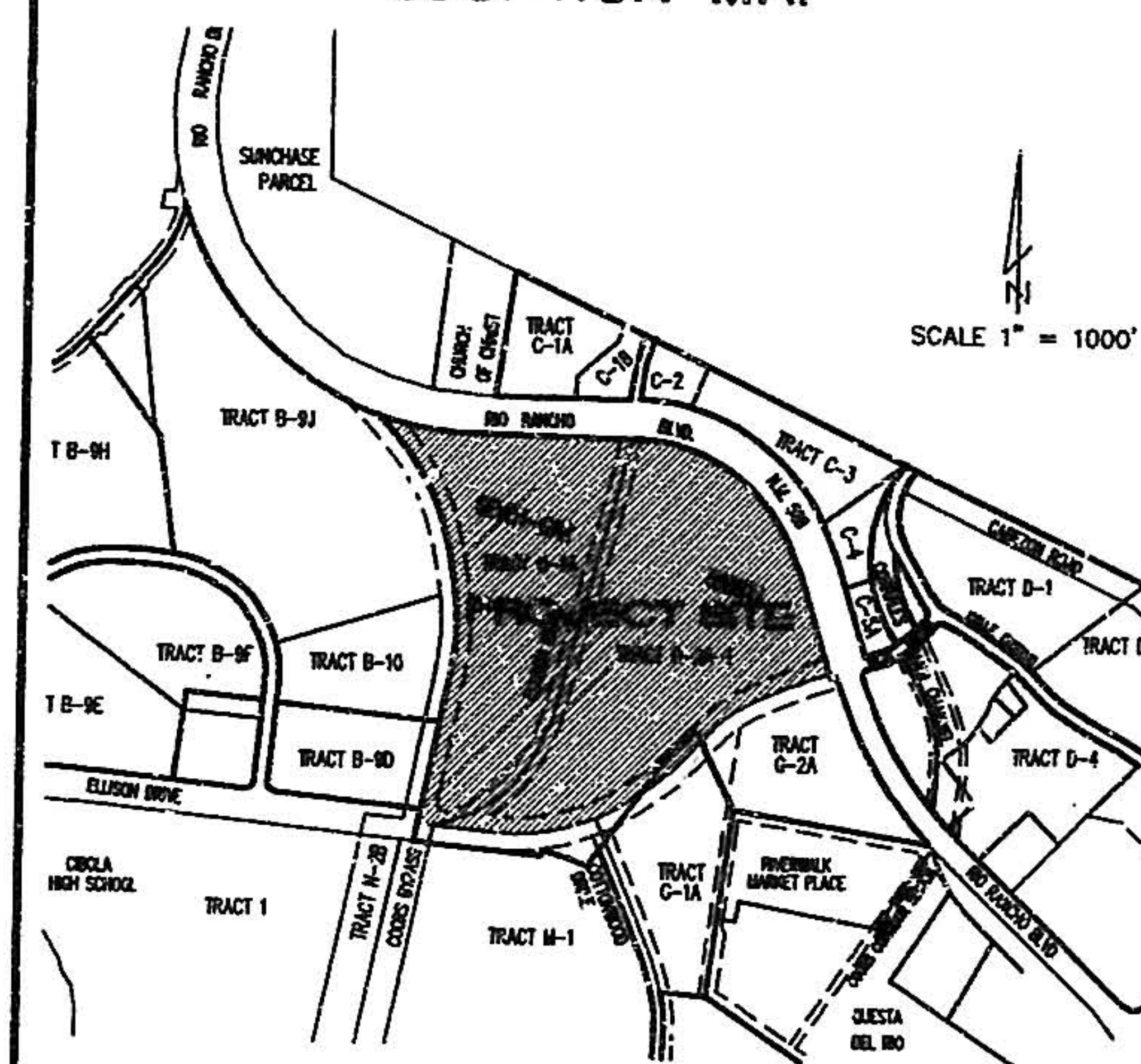
ZONING MAP



FLOOD BOUNDARY MAP



LOCATION MAP

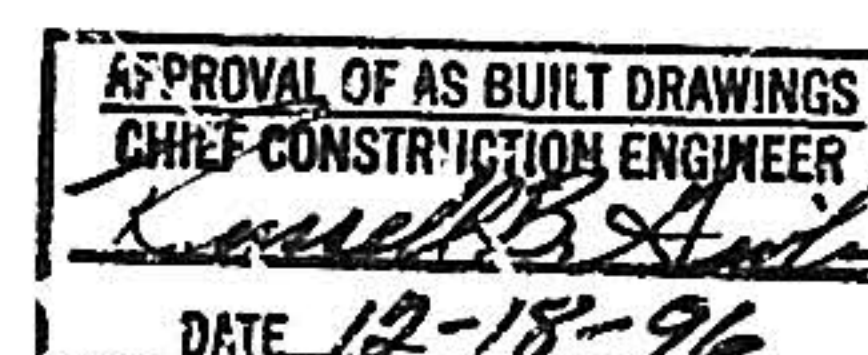


REV.	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE							
APPROVALS		ENGINEER		DATE		*****	
DRC CHAIRMAN		B. J. G. G. G.		6-20-96		APPROVED FOR CONSTRUCTION	
TRANSPORTATION		B. J. G. G. G.		6-20-96			
WATER/WASTEWATER		B. J. G. G. G.		6-20-96			
HYDROLOGY		B. J. G. G. G.		6-20-96			
PARKS		B. J. G. G. G.		6-20-96			
CONST. MGMT.		B. J. G. G. G.		6-20-96			
CITY PROJECT NUMBER				5327-90			
SHEET				1 OF 10			

DRB Case No. 95-487

DATE: 05 / 28 / 1996

EKN Engineers / Planners / Surveyors
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UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS, AND THOSE SHOWN ON THE RECORDS EXAMINED, ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, AGREES TO ASSUME LIABILITY AS TO HOLD UNDERGROUND HARVEYS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF THE UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED; NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIOUS PLACES REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND NOT SHOWN ON THE RECORDS. THE CONTRACTOR AGREES TO SHOW AND BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIGALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG.

1. CONCRETE FOR SURFACE DRAINAGE IMPROVEMENTS SHALL BE CLASS 520-C-2500 AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. GUNITE FOR SURFACE DRAINAGE IMPROVEMENTS SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. ALL CONCRETE STRUCTURES THAT COME IN CONTACT WITH THE ON-SITE SOIL SHALL BE CONSTRUCTED WITH TYPE V GEMENT UNLESS DEEMED UNNECESSARY BY SOLUBLE SULPHATE-CONTENT TESTS CONDUCTED BY THE SOILS ENGINEER.
3. CONCRETE CURB AND INTEGRAL CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED WITH TYPE V GEMENT UNLESS DEEMED UNNECESSARY BY SOLUBLE SULPHATE-CONTENT TESTS CONDUCTED BY THE SOILS ENGINEER.



☒ = ELECTRICAL TRANSFORMER
 ☐ = INTERCONNECT PULL BOX
 T.C. = INDICATES TOP OF CURB ELEV.
 F.L. = FLOWLINE OF GUTTER
 V.C. = INDICATES VERTICAL CURVE
 B.C. = INDICATES BEGIN CURVE
 E.C. = INDICATES END CURVE
 F.F. = INDICATES FINISH FLOOR
 F.S. = INDICATES FINISH SURFACE ELEV.
 - E - = INDICATES UNDERGROUND ELECTRICAL
 ② = INDICATES CONST. NOTE REFERENCE
 ⚡ = INDICATES HANDICAP PARKING SPACE
 ☆ = INDICATES SITE LIGHT
 DC ☐☐ = IND. DOUBLE CHECK BACKFLOW ASSEMBLY
 BP ☐ = INDICATES BACKFLOW PREVENTION ASSEMBLY
 GW ☐ = INDICATES GAS METER
 'C = INDICATES ASPHALT CONCRETE
 SLBP ☐ = STREET LIGHT PULL BOX (AT GRADE)
 CB ☐ = STORM DRAIN CATCH BASIN (AT GRADE)
 T.G. = INDICATES TOP OF GRATE ELEV.
 H.P. = INDICATES HIGH POINT ELEVATION
 INV = INDICATES INVERT ELEVATION
 P.P. ☐ = INDICATES POWER POLE
 M.H. ☐ = INDICATES SEWER MANHOLE
 C.O. ☐ = INDICATES SEWER CLEANOUT
 TB = INDICATES TOP OF EARTH BERM
 G = INDICATES GAS LINE
 L/S = INDICATES LANDSCAPE AREA
 EV = ELECTRICAL VAULT (AT GRADE)
 MS ☐ = MONUMENT SIGN
 WM ☐ = WATER METER (AT GRADE)
 FH ☐ = INDICATES PROPOSED FIRE HYDRANT
 ☒ = INDICATES PROPOSED GATE VALVE
 C.O.A. = INDICATES CITY OF ALBUQUERQUE

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE OWNER, THE CONSULTING ENGINEER AND THE CITY OF ALBUQUERQUE HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, THE CONSULTING ENGINEER OR THE CITY OF ALBUQUERQUE.

CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND SURFACE IMPROVEMENTS TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONSTRUCTION PLANS PRIOR TO COMMENCING CONSTRUCTION.

1. THE PERMITTEE SHALL NOTIFY ALL GENERAL CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS, LESSEES, AND PROPERTY OWNERS THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS PROHIBITED.
2. PERMITTEE SHALL MAINTAIN CONSTRUCTION SITE IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CAUSE WASTES OR POLLUTANTS OF THE SITE. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICALS, CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, GLUES, LIXERS, INK, HERBICIDES, PEST PREVENTATIVES AND SOLVENTS; ASBESTOS FIBERS, PLANT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC FLUID; RADIATOR OR BATTERY FLUIDS; FERTILIZERS; VEHICLE EQUIPMENT OILS; WASH WATER AND GREASEY WATER, CONCRETE DETERGENT; NON-FLAMMABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT; STEAM CLEANING OR CHEMICAL DEGREASING; AND SUPERCHARGED POTABLE WATER LINE FLUSHINGS. CLEANING OF CHEMICAL DEGREASING AND FLUSHINGS. CLEANING OF POTABLE WATER LINE FLUSHINGS. DURING CONSTRUCTION, PERMITTEE SHALL DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE, PHYSICALLY SEPARATED FROM POTENTIAL WATERSHED RUN-OFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
3. PERMITTEE MAY DISCHARGE MATERIAL OTHER THAN STORMWATER ONLY WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES. WHEN THEY DO NOT: CAUSE OR CONTRIBUTE TO THE DEGRADATION OF WATER QUALITY STANDARD; CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; OR CONTAIN A HAZARDOUS SUBSTANCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 AND 307.
4. DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON-CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISCHARGE PERMITTING SYSTEM PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.

1. A PRE-PAVING MEETING SHALL BE HELD FORTY-EIGHT (48) HOURS PRIOR TO PAVING.
2. ASPHALT CONCRETE MIX DESIGN AND PAVEMENT SHALL BE PER THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE.
3. AGGREGATE BASE BENEATH ASPHALTIC CONCRETE SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE DENSITY. COMPACTION TESTING SHALL BE IN ACCORDANCE WITH ASTM D1557.
4. PAVEMENT SECTIONS MUST BE APPROVED BY THE DIRECTOR. THE SOILS ENGINEER SHALL SUBMIT PAVEMENT SECTION RECOMMENDATIONS BASED ON "R" VALUE ANALYSIS OF THE SUBGRADE SOILS, AND CITY APPROVED TRAFFIC INDICES. "R" VALUE TESTS SHALL BE IN ACCORDANCE WITH STATE OF NEW MEXICO TESTING METHODS OR ASTM D2844 OF THE SUBGRADE SOILS.
5. ASPHALT TESTING BY THE CITY IS REQUIRED FOR AREAS WITHIN THE PUBLIC RIGHT-OF-WAY. ADDITIONAL FEES WILL BE ASSESSED FOR THIS WORK.

1. CONTRACTOR SHALL IMPLEMENT AND MAINTAIN DUST CONTROL MEASURES TO MINIMIZE WIND BORNE EROSION OF MATERIALS FROM THE PROJECT AREA.
2. CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES TO MINIMIZE THE WATER BORNE EROSION OF MATERIALS FROM THE PROJECT AREA.
3. ADDITIONAL DUST CONTROL AND/OR EROSION CONTROL MEASURES MAY BE REQUIRED DURING CONSTRUCTION DEPENDING ON UNFORESEEN CIRCUMSTANCES AND WEATHER CONDITIONS. ANY ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS DETERMINED IN CONSULTATION WITH THE ENGINEER, CONTRACTOR AND THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT AIR POLLUTION CONTROL DIVISION.
4. IF SOIL OR WIND CONDITIONS ARE SUCH THAT DUST CANNOT BE CONTAINED TO THE PROJECT SITE, CONTRACTOR SHALL VOLUNTARILY HALT SOIL DISTURBANCE ACTIVITIES UNTIL WINDS ABATE AND/OR DUST CAN BE EFFECTIVELY CONTROLLED.
5. AFTER A RAINFALL, ALL SILT AND DEBRIS SHALL BE REMOVED FROM STREETS, CHECK BERMS AND BASINS.
6. GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
7. THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.

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No.	DESCRIPTION	QUANTITY	UNIT
GRADING AND PAVING CONSTRUCTION NOTES:			
①	CONSTRUCT AC PAVEMENT PER DETAIL 1 ON SHEET B.	6,355	S.F.
②	REMOVE EXISTING CURB AND GUTTER.	990	L.F.
③	CONSTRUCT MOUNTABLE TO STANDARD CURB TRANSITION PER C.O.A. STD. 2418.	-	EA.
④	SAWOUT AND REMOVE EXISTING AC PAVEMENT.	590	S.F.
⑤	CONSTRUCT 6" MONOLITHIC PCC MEDIAN P/LR DETAIL 6 ON SHEET B.	380	L.F.
⑥	CONSTRUCT 6" EXTRUDED CURB PER DETAIL 4 ON SHEET B.	255	L.F.
⑦	CONSTRUCT 6" WIDE - 4" P.C.C. SIDEWALK PER C.O.A. STD. 2430.	15,340	S.F.
⑧	CONSTRUCT WHEELCHAIR RAMP CASE 1 PER C.O.A. STD. 2441.	9"	EA.
⑨	CONSTRUCT 6" REINFORCED MONOLITHIC P.C.C. MEDIAN NOSE PER DETAIL 7 ON SHEET B.	2,116	S.F.
⑩	CONSTRUCT PAVING AND CURING FOR BUS BAY PER C.O.A. STD. 2466.	2	EA.
⑪	CONSTRUCT CONCRETE VALLEY GUTTER PER C.O.A. STD. 2420.	740	S.F.
⑫	CONSTRUCT 4" PCC MEDIAN PAVING, TEXTURED 32"x36" CANYON STONE, COLOR B-7 MEXICAN TILE.	75	S.F.
⑬	CONSTRUCT 6" STANDARD CURB AND GUTTER PER C.O.A. STD. 2415.	626	L.F.
⑭	BACKFILL MEDIAN W/ CLEAN SOIL, SLOPE 2K TO DRAIN TO TOP OF CURB, 85% COMP.	-	S.F.
⑮	CONSTRUCT MEDIAN RUNDOWN PER DETAIL 2 ON SHEET B.	270	L.F.
⑯	CONSTRUCT AC PAVEMENT PER DETAIL 3 ON SHEET B.	8,115	S.F.
⑰	CONSTRUCT 4" WIDE WHEELCHAIR RAMPS AND SIDEWALK.	-	S.F.
⑱	PROTECT EXISTING CATCH BASIN IN PLACE.	1	EA.
⑲	CONSTRUCT MOUNTABLE CURB ROLL TYPE PER C.O.A. STD. 2415.	165	L.F.
⑳	PROTECT EXISTING INTERCONNECT CABLE AND PULL BOXES IN PLACE.	1	LS.
㉑	PROTECT EXISTING TRAFFIC SIGNAL IN PLACE.	-	EA.
㉒	CONSTRUCT "DEPRESSED GUTTER" TYPE CURB AND GUTTER PER C.O.A. STD. 2415.	200	L.F.

01	4" BROKEN WHITE REFLECTIVE PLASTIC STRIPE REPEATING PATTERN OF 10' STRIPE AND 30' SKIP.	300	L.F.
02	4" BROKEN WHITE REFLECTIVE PLASTIC STRIPE REPEATING PATTERN OF 2' STRIPE AND 4' SKIP.	-	L.F.
03	4" SOLID WHITE REFLECTIVE PLASTIC STRIPE.	2,985	L.F.
04	8" SOLID WHITE REFLECTIVE PLASTIC STRIPE.	750	L.F.
05	12" SOLID WHITE REFLECTIVE PLASTIC STRIPE (CROSS WALKS ONLY).	710	L.F.
06	24" SOLID WHITE REFLECTIVE PLASTIC STRIPE (STOP BARS ONLY).	-	L.F.
07	REFLECTIVE PLASTIC PAVEMENT MARKING SYMBOL "LEFT TURN ARROW".	14	EA
08	REFLECTIVE PLASTIC PAVEMENT MARKING SYMBOL "RIGHT TURN ARROW".	10	FA
09	REFLECTIVE PLASTIC PAVEMENT MARKING WORD "ONLY".	12	EA
10	PAINT CURB FACE WITH 2 APPLICATIONS OF SOLID YELLOW REFLECTORIZED PAINT ALONG MEDIAN NOSES. ALLOW MINIMUM OF 6 HOURS BETWEEN APPLICATIONS.	40	L.F.
11	INSTALL SIGN R4-7 PER DETAIL 5 ON SHEET 6.	4	EA
12	INSTALL SIGN R3-7R PER DETAIL 5 ON SHEET 6.	4	EA
13	INSTALL STOP SIGN PER DETAIL 6 ON SHEET 5.	2	EA


QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.

DATE: 06 / 14 / 1998

EKN Engineers / Planners / Surveyors
4770 CAMPUS DRIVE, SUITE 340, NEWPORT BEACH, CA 92660
(714) 299-1155 FAX (714) 299-1127

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: OFFSITE IMPROVEMENT PLANS
COTTONWOOD CORNERS SHOPPING CENTER
TRACT 0-1A-1 AND 0-2A-1

		City Engineer Approval		Mo./Day/Yr.		Mo./Day/Yr.	
DESIGN REVIEW COMMITTEE		Last Design Update					
City Project No. 5327-90		Zone Map No. A-13-Z AND A-14-Z		Sheet 2 of 10			

BENCH MARKS:		AS BUILT INFORMATION	
STATION NAME: NM 448 - N12		CONTRACTOR	
BRASS TABLET SET IN CONCRETE TABLET PROJECTING 0.5 FT.		WORK	
ABOVE GROUND LOCATED 9.30 MILES NORTH OF THE INTERSECTION		STAMPED BY	DATE
OF COORS ROAD AND CENTRAL AVENUE ON THE WEST SIDE OF		DATE	
COORS ROAD AT MT. BELL SUB STA.		FIELD CHECKED BY	DATE
		DRAWINGS	
		CHECKED BY	DATE
		MICRO-FILM INFORMATION	
EASTING: 361,108.64		RECORDED BY	DATE
ELEVATION: 5,023.411		NO.	

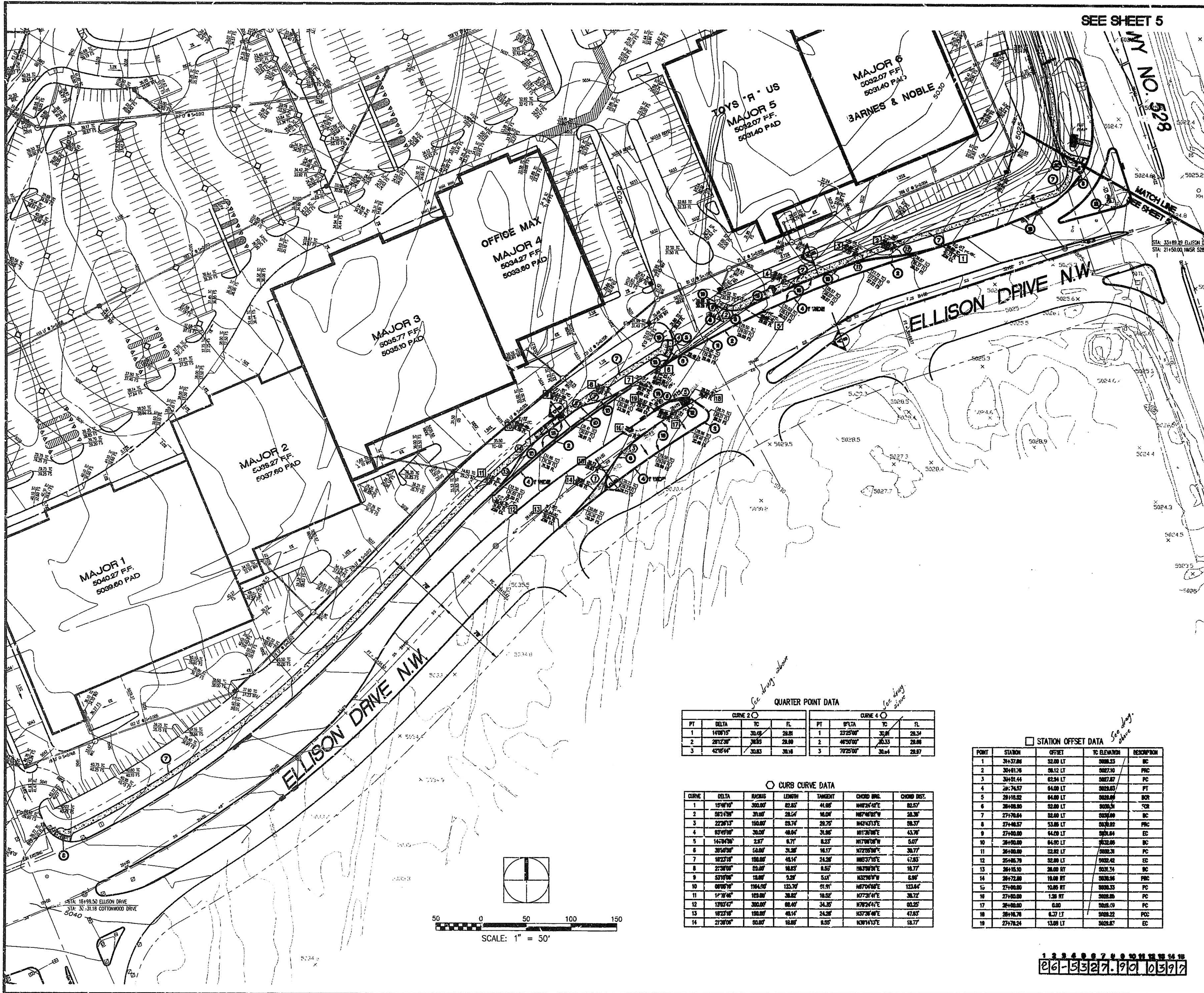
SURVEY INFORMATION		DATE
NO.	BY	
1	HORRIGERT CONTROL	JAN.
	BY HUGG SURVEY	

ENGINEER'S SEAL

K. NARAYANIAH
MEXICO
12832
REGISTERED PROFESSIONAL ENGINEER

6/19/96

NO.		DATE	REMARKS	BY
			<i>62743015</i>	
DESIGN				
SIGNED BY				DATE
DRAWN BY				DATE



SEE SHEET 5

CONSTRUCTION NOTES:

- 1 X
- 2 REMOVE EXISTING CURB & GUTTER
- 3 CONSTRUCT MOUNTABLE TO STANDARD CURB TRANSITION PER COA SD 2418.
- 4 SAWCUT & REMOVE EXISTING PAVEMENT
- 5 X
- 6 CONSTRUCT 6" EXTRUDED CURB PER DETAIL 4 ON SHEET 8.
- 7 CONSTRUCT 6" WIDE 4" PCC SIDEWALK PER COA SD 2430.
- 8 CONSTRUCT WHEEL CHAIR RAMP CASE II PER COA SD 2441.
- 9 X
- 10 CONSTRUCT BUS BAY PER COA SD 2466.
- 11 CONSTRUCT CONCRETE VALLEY GUTTER PER COA SD 2420.
- 12 CONST. 4" PCC MEDIAN PAVING, TEXTURED 32"x36" CANYON STONE, COLOR MEXICAN TILE.
- 13 CONSTRUCT 8" STANDARD CURB AND GUTTER PER COA SD 2415.
- 14 BACKFILL MEDIAN WITH CLEAN SOIL, SLOPE AT 2.0% TO DRAIN TO TOP OF CURB. 85% COMP.
- 15 X
- 16 AC PAVEMENT PER DETAIL 3 ON SHEET 8.
- 17 X
- 18 PROTECT EXISTING CATCH BASIN IN PLACE
- 19 CONSTRUCT MOUNTABLE CURB ROLL TYPE PER COA SD 2415.
- 20 PROTECT EXISTING INTERCONNECT CABLE AND PULL BOXES IN PLACE.
- 21 PROTECT EXISTING TRAFFIC SIGNAL, PULL BOXES AND RELATED ITEMS IN PLACE.

QUARTER POINT DATA

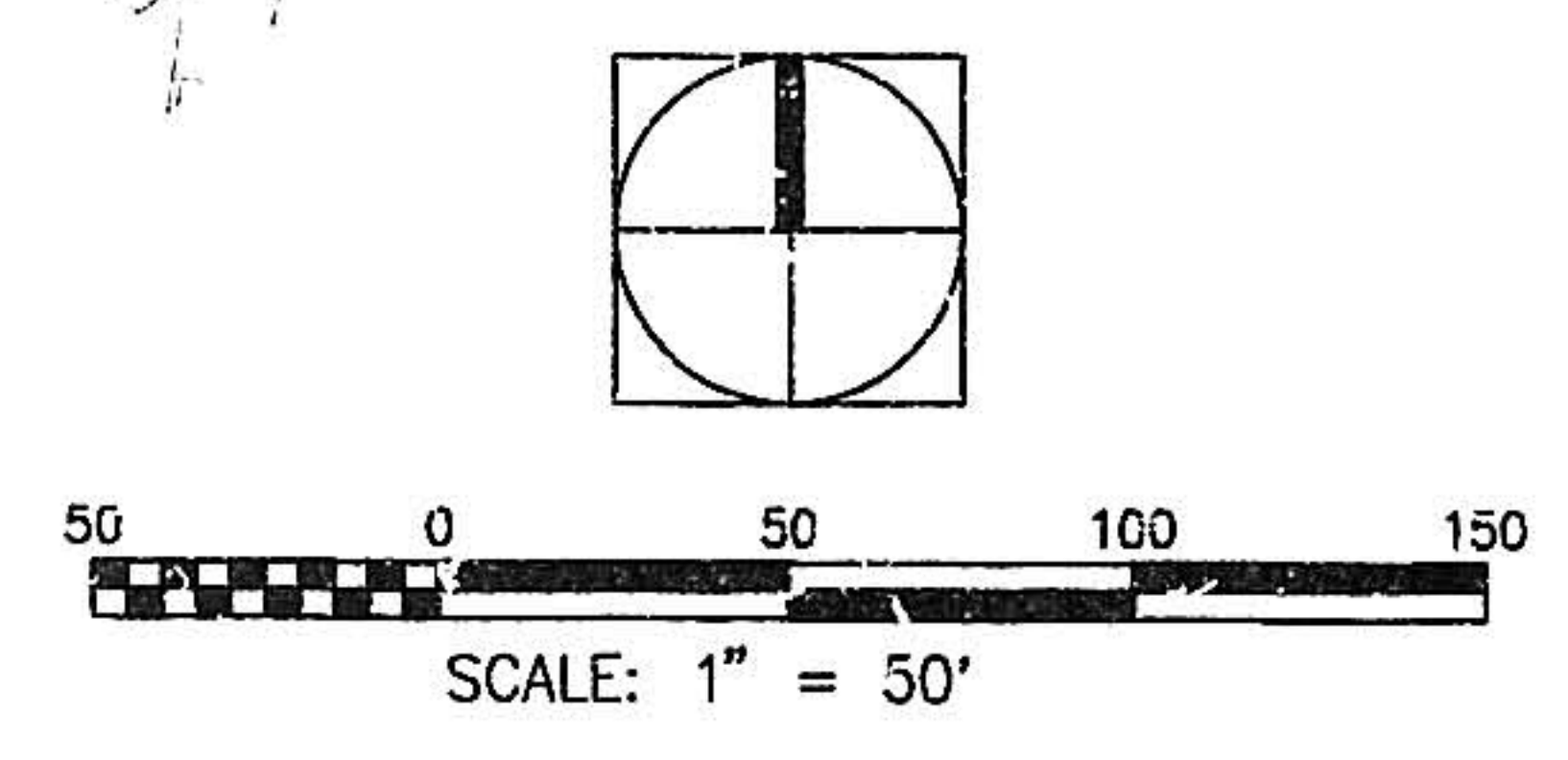
CURVE 2				CURVE 4			
PT	DELTA	TC	FL	PT	DELTA	TC	FL
1	149°15'	30.09	28.81	1	22°25'00"	30.81	28.24
2	281°23'	30.83	28.80	2	46°50'00"	20.33	28.88
3	42°16'44"	30.83	30.18	3	70°25'00"	30.44	28.97

CURB CURVE DATA

CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEG.	CHORD END.
1	15°46'10"	300.00	82.85	41.00'	N40°24'40"E	82.57'
2	56°16'30"	30.00	28.24	18.00'	N67°40'10"W	28.36'
3	22°26'13"	150.00	29.74	29.75'	N43°43'15"E	58.37'
4	87°49'50"	30.00	48.84	31.86'	N11°35'00"E	43.76'
5	142°34'30"	2.87	6.71	8.23'	N17°08'00"W	5.07'
6	35°49'30"	60.00	31.26	18.17'	N72°25'00"E	30.77'
7	18°23'18"	150.00	45.14	24.26'	N63°15'00"E	47.83'
8	27°38'00"	20.00	18.83	8.93'	N83°08'00"E	18.77'
9	53°10'00"	15.00	9.29	5.31'	N32°09'00"W	8.86'
10	86°08'00"	1164.00	125.70	81.91'	N67°04'00"E	123.64'
11	17°18'40"	150.00	38.87	18.82'	N77°34'40"E	38.72'
12	138°37'47"	300.00	88.40	34.35'	N76°34'40"E	60.25'
13	18°23'18"	150.00	45.14	24.26'	N63°15'00"E	47.83'
14	21°30'00"	50.00	18.80	8.93'	N64°15'00"E	18.77'

STATION OFFSET DATA

POINT	STATION	OFFSET	TO ELEVATION	DESCRIPTION
1	31+37.80	32.00 LT	5088.23	BC
2	30+81.76	56.12 LT	5087.10	PGC
3	30+91.44	82.94 LT	5087.87	PG
4	29+74.57	64.00 LT	5083.63	PT
5	29+18.82	64.00 LT	5083.60	BCH
6	28+08.80	32.00 LT	5080.51	"CH
7	27+70.84	32.00 LT	5080.40	BC
8	27+40.57	53.00 LT	5080.82	PGC
9	27+40.00	64.00 LT	5081.84	ED
10	26+00.00	64.00 LT	5082.42	BC
11	26+00.00	32.82 LT	5082.31	PG
12	25+06.78	32.00 LT	5082.42	BC
13	24+15.10	28.00 RT	5081.34	BC
14	24+72.80	18.00 RT	5080.96	PGC
15	27+00.00	10.80 RT	5080.37	PG
16	27+00.00	1.30 RT	5080.80	PG
17	26+00.00	0.00	5080.59	PG
18	26+16.76	6.37 LT	5080.22	PGC
19	27+70.24	13.00 LT	5080.87	ED



AS BUILT INFORMATION

CONTRACTOR	DATE	BY	DATE
WILLIAMS	12-14-96		

REVISIONS

NO.	DATE	BY	REMARKS
1			
2			

DESIGNED BY: DATE: DRAWN BY: DATE: CHECKED BY: DATE:

EKN Engineers / Planners / Surveyors
4700 CAMPUS DRIVE, SUITE 200, NEWPORT BEACH, CA 92660
714 960-9800 FAX 714 960-9807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

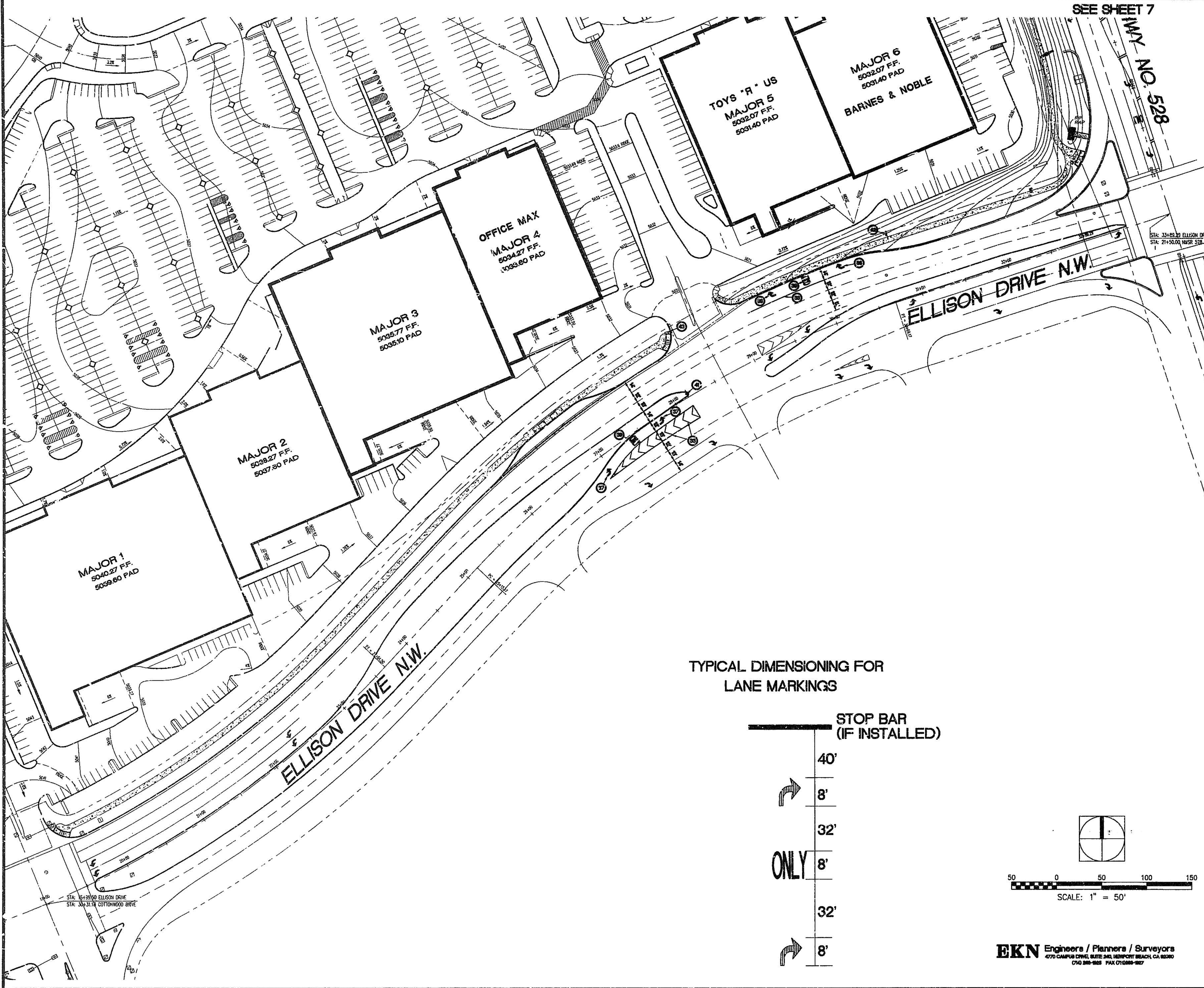
TITLE: REVISIONS TO ELLISON DRIVE IMPROVEMENTS
ELLISON DRIVE STATION 18+99.50 TO 33+89.29

City Engineer Approval: JUN 20 1996

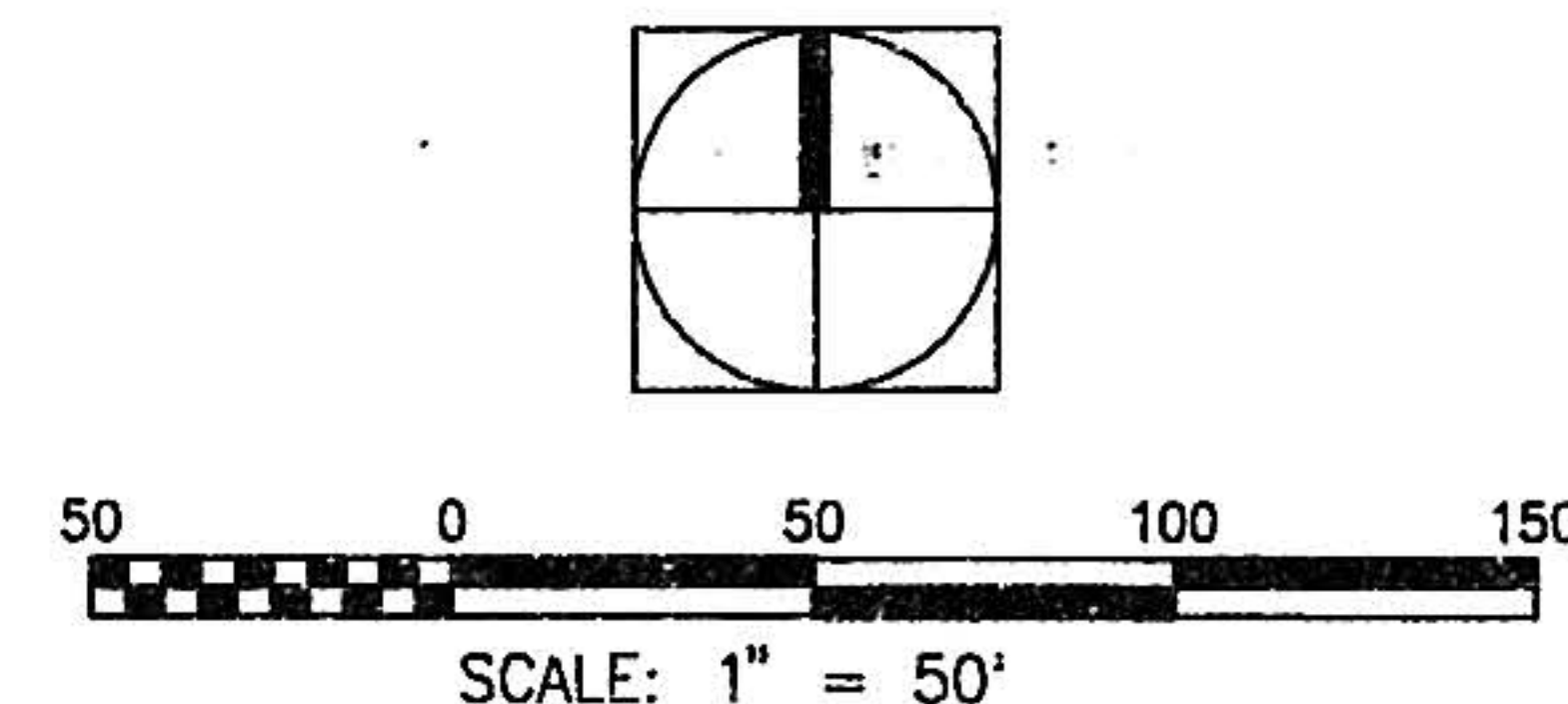
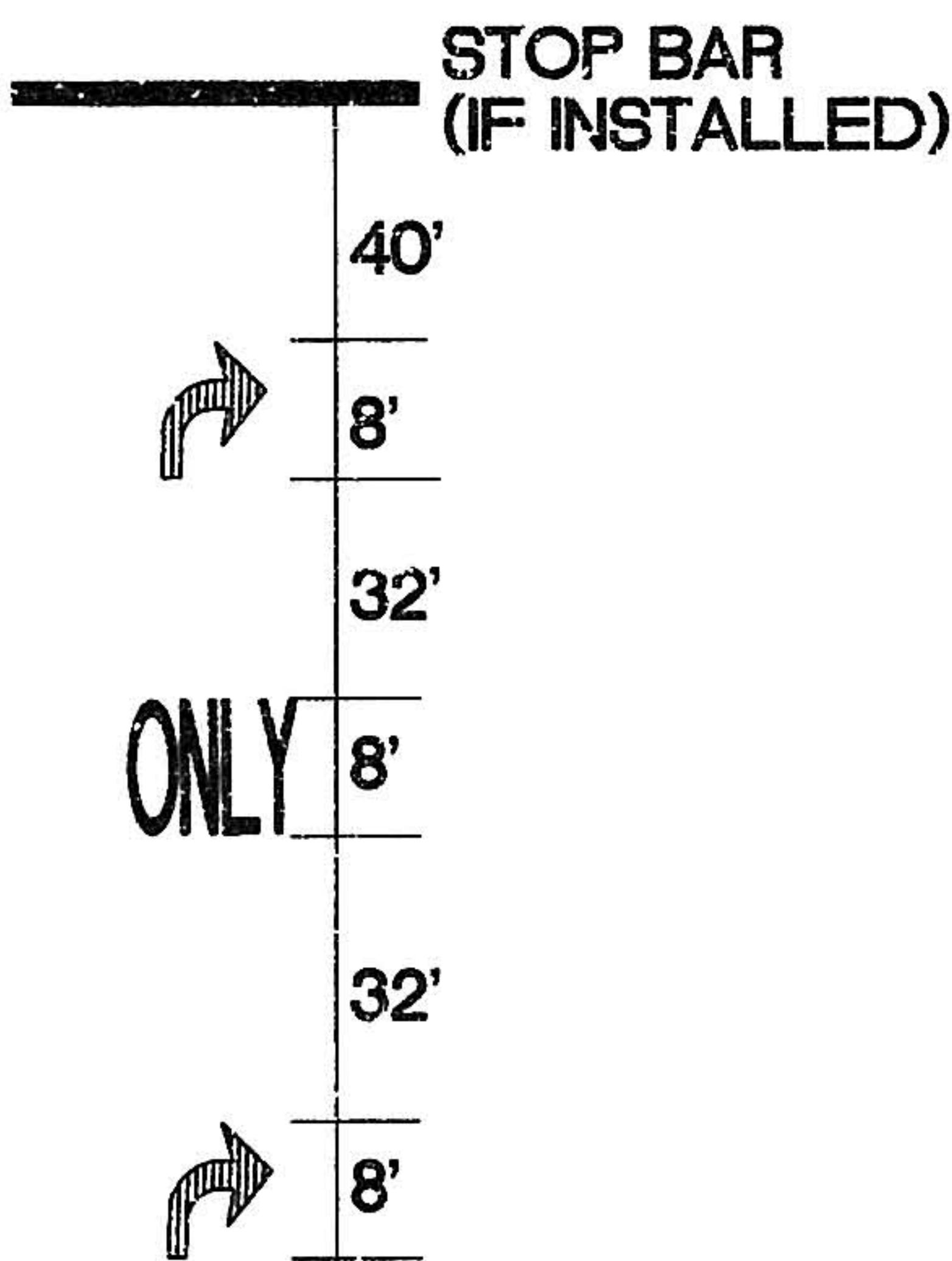
City Project No. 5327-90 Zone Map No. A-13-2 AND A-14-2 Sheet 3 of 10

SEE SHEET 7

WY NO. 528



TYPICAL DIMENSIONING FOR LANE MARKINGS



EKN Engineers / Planners / Surveyors
4770 CAMPUS DRIVE, SUITE 240, VERNON BEACH, CA 92680
(714) 260-2800 FAX (714) 260-2807

SIGNING AND STRIPING NOTES:

- (31) X
- (32) X
- (33) 4" SOLID WHITE REFLECTIVE PLASTIC STRIPE.
- (34) X
- (35) X
- (36) X
- (37) REFLECTIVE PLASTIC PAVEMENT MARKING SYMBOL "LEFT TURN ARROW".
- (38) REFLECTIVE PLASTIC PAVEMENT MARKING SYMBOL "RIGHT TURN ARROW".
- (39) REFLECTIVE PLASTIC PAVEMENT MARKING SYMBOL "ONLY".
- (40) PAINT CURB FACE WITH 2 COATS SOLID YELLOW REFLECTORIZED PAINT ON MEDIAN NOSES.
- (41) INSTALL SIGN R4-7 PER DETAIL 5 ON SHEET 8.
- (42) INSTALL SIGN R3-7R PER DETAIL 5 ON SHEET 8.
- (43) INSTALL STOP SIGN PER DETAIL 6 ON SHEET 8.

AS-BUILT INFORMATION				SURVEY INFORMATION				ENGINEER'S SEAL				REVISIONS			
CONTRACTOR	DATE	BY	DATE	NO.	DATE	BY	DATE					REVISIONS	DESIGN	DATE	DATE
WORK ORDER NO.	DATE	BY	DATE	NO.	DATE	BY	DATE								
BRASS TABLET SET IN CONCRETE TABLET PROJECTING 0.3 FT. ABOVE GROUND LOCATED 9.30 MILES NORTH OF THE INTERSECTION OF COORS ROAD AND CENTRAL AVENUE ON THE WEST SIDE OF COORS ROAD AT MT. BELL SUB STA.															
NORTHING: 1,528,910.54															
EASTING: 391,106.54															
ELEVATION: 5,023.411															

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
26-5327.190 0497

DATE: 06 / 14 / 1996

EKN Engineers / Planners / Surveyors
4770 CAMPUS DRIVE, SUITE 240, VERNON BEACH, CA 92680
(714) 260-2800 FAX (714) 260-2807



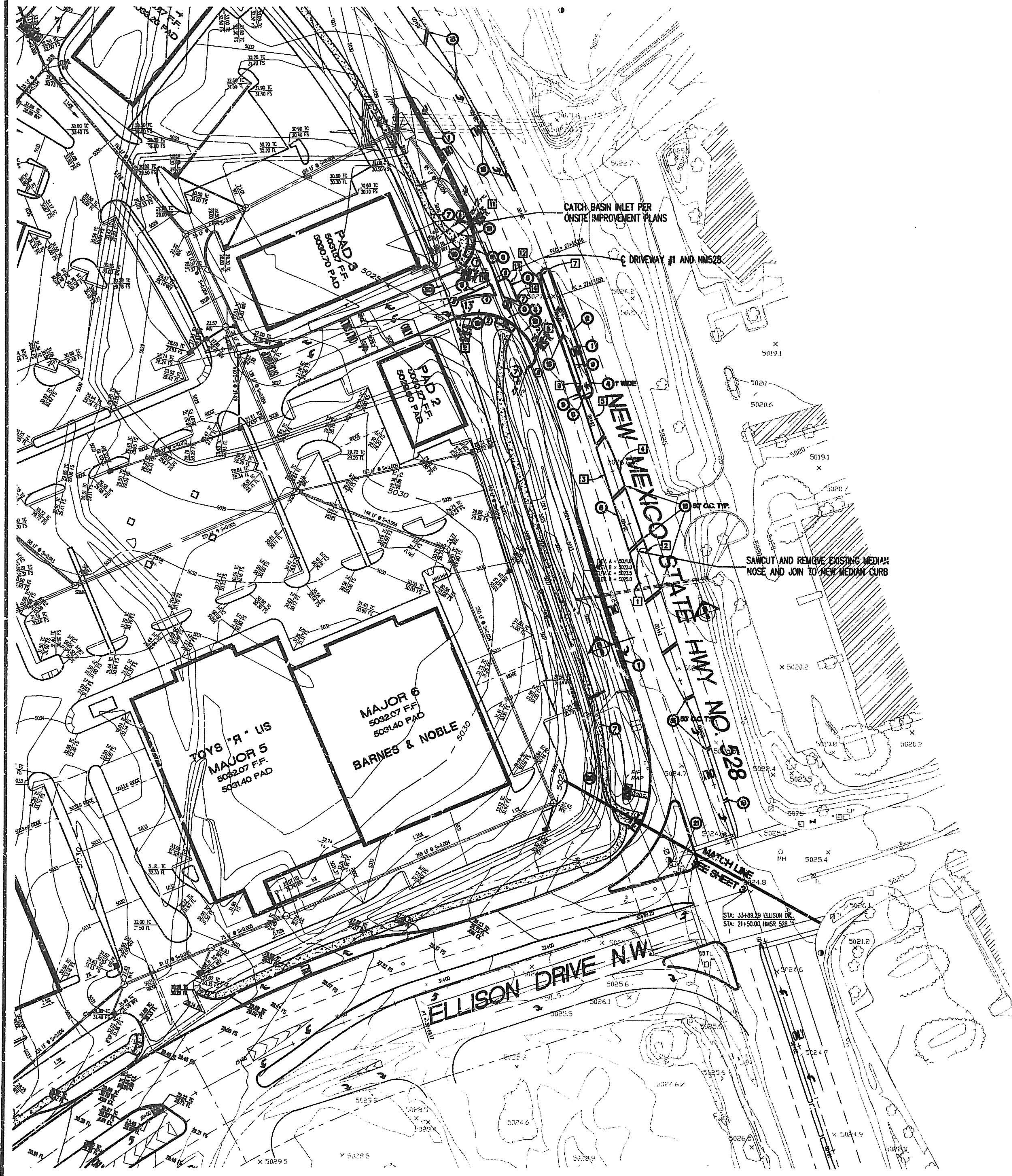
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **REVISIONS TO ELLISON DRIVE SIGNING AND STRIPING**
ELLISON DRIVE STATION 24+80.00 TO 33+89.29



City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

SEE SHEET 6



STATION OFFSET DATA

POINT	STATION	OFFSET	TOP OF PAVEMENT	DESCRIPTION
1	24+63.32	0.00 LT	MATCH EXISTING	JOB EX.
2	24+71.22	0.00 RT	MATCH EXISTING	JOB EX.
3	25+00.00	7.50 LT	MATCH EXISTING	PT
4	25+07.13	6.50 RT	MATCH EXISTING	BC
5	25+08.37	0.00	MATCH EXISTING	PRC
6	25+35.18	3.50 LT	MATCH EXISTING	EC
7	27+40.70	0.00 LT	MATCH EXISTING	PC
8	28+72.74	32.50 LT	500.00	ECR
9	27+38.20	62.50 LT	300.00	BCR
10	27+72.84	78.50 LT	250.00	BCR
11	28+23.74	40.00 LT	150.00	ECR
12	27+40.70	10.00 LT	MATCH EXISTING	EC
13	27+44.00	30.40 LT	MATCH EXISTING	BC
14	27+52.94	35.50 LT	MATCH EXISTING	EC

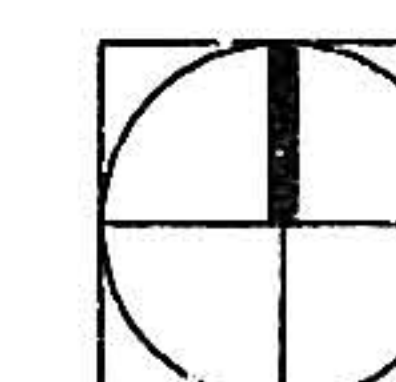
QUARTER POINT DATA

PT	DELTA	TC	FL	RT	DELTA	TC	FL
A	22°33'37"	26.14	25.84	22°33'37"	26.14	25.84	25.84
B	47°13'14"	26.27	25.77	47°13'14"	26.27	25.77	25.77
C	67°40'50"	26.30	25.70	67°40'50"	26.30	25.70	25.70

CURB CURVE DATA

CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEG.	CHORD END.
1	97°27'27"	30.00	47.35	30.25	N81°46'47"E	42.56
2	14°35'16"	55.00	10.00	50.50	N87°42'22"W	80.83
3	18°09'09"	1.00	3.14	-	N33°10'09"W	2.00
4	31°19'22"	91.00	33.35	17.10	N82°38'47"E	32.33
5	10°39'52"	61.00	11.00	5.00	N87°21'03"W	11.67
6	59°32'04"	5.00	7.83	5.00	N67°33'59"W	7.12
7	138°38'16"	1.00	2.41	2.42	N47°00'16"E	1.87
8	60°00'00"	10.00	15.71	10.00	N28°35'07"E	14.14
9	60°00'00"	10.00	15.71	10.00	N87°27'28"W	14.14

26-5327-190 0597



50 0 50 100 150
SCALE: 1" = 50'

CONSTRUCTION NOTES:

- AC PAVEMENT PER DETAIL 1 ON SHEET 8. WHERE JOINING EXISTING PAVING, CUT EXISTING AS PER NOTE 12 ON SHEET 1.
- REMOVE EXISTING CURB & GUTTER
- CONSTRUCT MOUNTABLE TO STANDARD CURB TRANSITION PER COA SD 2418.
- SAWCUT & REMOVE EXISTING PAVEMENT
- CONSTRUCT 6" MONOLITHIC PCC MEDIAN PER DETAIL 7 ON SHEET 8.
- CONSTRUCT 6" EXTRUDED CURB PER DETAIL 4 ON SHEET 8.
- CONSTRUCT 6" WIDE - 4" PCC SIDEWALK PER COA SD 2430.
- CONSTRUCT WHEEL CHAIR RAMP CASE II PER COA SD 2441.
- CONSTRUCT 6" REINFORCED MONOLITHIC PCC MEDIAN NOSE PER DETAIL 8 ON SHEET 8.
- CONSTRUCT BUS BAY PER COA SD 2468.
- CONSTRUCT CONCRETE VALLEY GUTTER PER COA SD 2420.
- CONST. 4" PCC MEDIAN PAVING, TEXTURED 32"x36" CANYON STONE, COLOR MEXICAN TILE.
- CONSTRUCT 8" STANDARD CURB AND GUTTER PER COA SD 2415.
- BACKFILL MEDIAN WITH CLEAN SOIL, SLOPE AT 2.0% TO DRAIN TO TOP OF CURB. 85% COMP.
- CONSTRUCT MEDIAN RUNDOWN PER DETAIL 2 ON SHEET 8.
- AC PAVEMENT PER DETAIL 3 ON SHEET 8.
- 5' WIDE CONCRETE WHEELCHAIR RAMPS AND 6' WIDE SIDEWALK.
- PROTECT EXISTING CATCH BASIN IN PLACE
- CONSTRUCT MOUNTABLE CURB ROLL TYPE PER COA SD 2415.
- PROTECT EXISTING INTERCONNECT CABLE AND PULL BOXES IN PLACE.
- PROTECT EXISTING TRAFFIC SIGNAL, PULL BOXES AND RELATED ITEMS IN PLACE.

"AS-BUILT" (HORIZONTAL AND VERTICAL LOCATION ONLY)



NOTE TO CONTRACTOR:

THE CONTRACTOR SHALL PROTECT IN PLACE ALL LANE STRIPING AND MARKINGS THAT DO NOT CONFLICT WITH THOSE SHOWN TO BE CONSTRUCTED IN THESE PLANS.

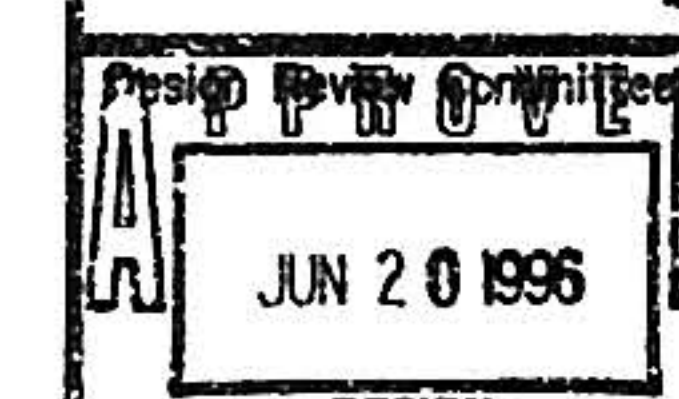
DATE: 06 / 14 / 1996

EKN Engineers / Planners / Surveyors
4700 CAMPUS DRIVE, SUITE 200, NEWPORT BEACH, CA 92660
(714) 261-9400 FAX (714) 261-9401



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: REVISIONS TO NEW MEXICO STATE ROUTE 528 IMPROVEMENTS
STATION 2H+50.00 TO 29+50.00



City Engineer Approval

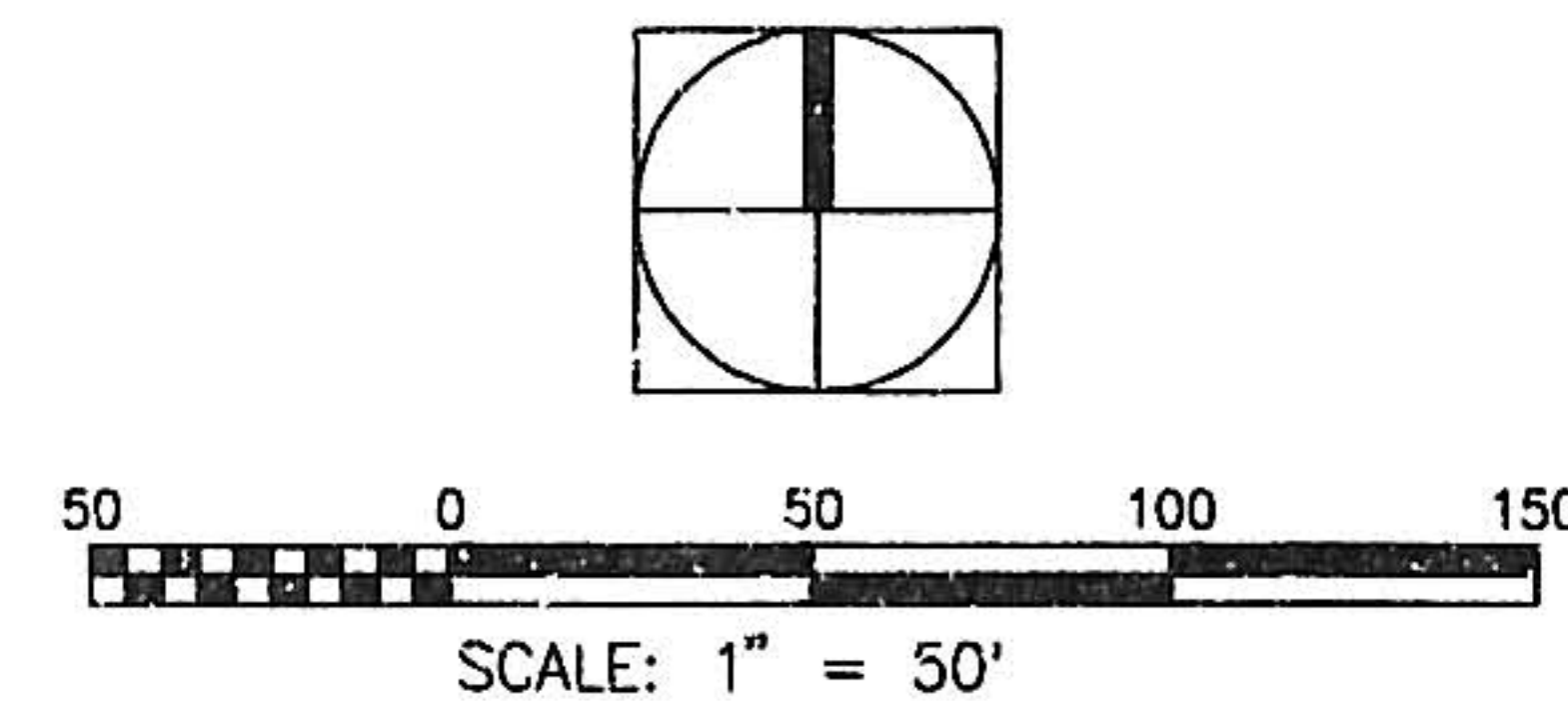
Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 5327-90

Zone Map No. A-19-Z AND A-14-Z

Sheet 5 of 10

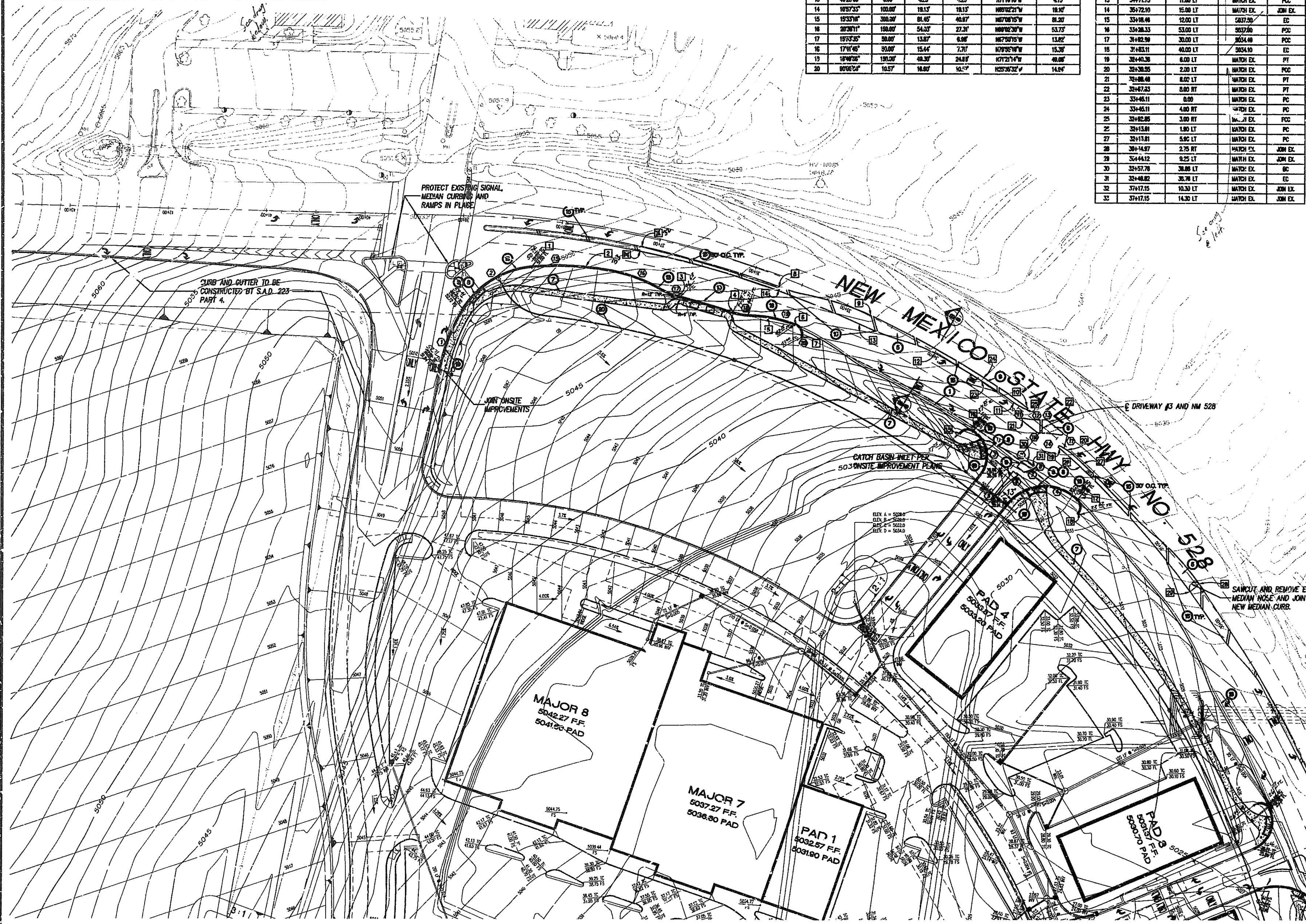
QUARTER POINT DATA					
CURVE 1			CURVE 2		
PT	DELTA	PC	PT	DELTA	PC
A	54°33'	52.66	A	17°23'00"	52.51
B	10°31'11"	52.70	B	20°52'10"	52.53
C	15°45'47"	52.75	C	40°10'15"	51.45
CURVE 3			CURVE 4		
PT	DELTA	PC	PT	DELTA	PC
A	24°45'43"	35.57	A	21°05'10"	35.20
B	47°37'27"	37.00	B	40°12'10"	35.40
C	71°17'10"	37.20	C	72°10'10"	35.11



CURVE DATA					
CURVE	DELTA	PC	PT	CHORD BEG.	CHORD END
1	21°02'22"	100.00	66.10	100.00	66.10
2	53°44'20"	90.00	64.41	90.00	64.41
3	90°00'00"	30.00	40.77	30.00	40.77
4	10°31'11"	47.00	73.00	47.00	73.00
5	10°31'11"	1.00	3.14	1.00	3.14
6	21°05'10"	90.00	22.85	90.00	22.85
7	40°12'10"	10.57	10.57	10.57	10.57
8	12°05'30"	1.00	2.22	1.00	2.22
9	20°52'10"	0.00	7.95	0.00	7.95
10	37°10'10"	0.00	3.91	0.00	3.91
11	19°30'00"	1.00	3.97	1.00	3.97
12	40°23'11"	100.00	10.30	100.00	10.30
13	40°23'11"	0.00	4.25	0.00	4.25
14	10°31'11"	100.00	18.15	100.00	18.15
15	10°31'11"	300.00	81.45	300.00	81.45
16	20°52'10"	100.00	27.31	100.00	27.31
17	10°31'11"	30.00	13.87	30.00	13.87
18	17°10'10"	90.00	15.44	90.00	15.44
19	10°31'11"	100.00	24.80	100.00	24.80
20	90°00'00"	10.57	10.30	10.57	10.30

STATION OFFSET DATA			
POINT	STATION	OFFSET	DESCRIPTION
1	30+25.00	47.05 LT	PC
2	37+00.55	41.80 LT	PC
3	38+00.27	34.70 LT	EC
4	38+00.11	50.70 LT	BC
5	38+74.50	43.30 LT	PC
6	39+40.39	30.50 LT	PC
7	39+28.77	40.35 LT	EC
8	39+72.10	11.85 LT	MATCH EX. JOHN EX.
9	34+70.50	1.00 RT	MATCH EX. PC
10	32+02.85	5.00 RT	MATCH EX. PT
11	33+08.11	1.00 RT	MATCH EX. PC
12	34+00.00	1.00 LT	MATCH EX. PC
13	34+71.75	11.00 LT	MATCH EX. PC
14	35+72.10	15.00 LT	MATCH EX. JOHN EX.
15	33+10.40	12.00 LT	EC
16	33+38.33	53.00 LT	PC
17	34+02.90	30.00 LT	PC
18	34+03.11	40.00 LT	EC
19	34+40.30	6.00 LT	MATCH EX. PT
20	34+30.55	2.30 LT	MATCH EX. PC
21	34+00.40	0.00 LT	MATCH EX. PT
22	33+47.23	0.00 RT	MATCH EX. PT
23	33+45.11	0.00	MATCH EX. PC
24	33+45.11	4.00 RT	MATCH EX. PC
25	33+02.85	3.00 RT	MATCH EX. PC
26	33+15.00	1.00 LT	MATCH EX. PC
27	33+15.00	5.00 LT	MATCH EX. PC
28	30+14.97	2.75 RT	MATCH EX. JOHN EX.
29	34+44.12	0.25 LT	MATCH EX. JOHN EX.
30	34+57.70	38.00 LT	MATCH EX. EC
31	32+40.02	30.70 LT	MATCH EX. EC
32	34+17.15	10.30 LT	MATCH EX. JOHN EX.
33	34+17.15	14.30 LT	MATCH EX. JOHN EX.

- CONSTRUCTION NOTES:**
- AC PAVEMENT PER DETAIL 1 ON SHEET 5. WHERE JOINING EXISTING PAVING, CUT EXISTING AS PER NOTE 12 ON SHEET 1.
 - REMOVE EXISTING CURB & GUTTER
 - CONSTRUCT MOUNTABLE TO STANDARD CURB TRANSITION PER COA SD 2418.
 - SAWCUT & REMOVE EXISTING PAVEMENT
 - CONSTRUCT 6" MONOLITHIC PCC MEDIAN PER DETAIL 7 ON SHEET 8.
 - CONSTRUCT 6" EXTRUDED CURB PER DETAIL 4 ON SHEET 8.
 - CONSTRUCT 6" WIDE - 4" PCC SIDEWALK PER COA SD 2430.
 - CONSTRUCT 7" WHEEL CHAIR RAMP CASE II PER COA SD 2441.
 - CONSTRUCT 6" REINFORCED MONOLITHIC PCC MEDIAN NOSE PER DETAIL 8 ON SHEET 8.
 - CONSTRUCT BUS BAY PER COA SD 2466.
 - CONSTRUCT CONCRETE VALLEY GUTTER PER COA SD 2420.
 - CONST. 4" PCC MEDIAN PAVING, TEXTURED 32"x36" CANYON STONE, COLOR MEXICAN TILE.
 - CONSTRUCT 8" STANDARD CURB AND GUTTER PER COA SD 2415.
 - BACKFILL MEDIAN WITH CLEAN SOIL, SLOPE AT 2.0% TO DRAIN TO TOP OF CURB. 85% COMP.
 - CONSTRUCT MEDIAN ROUNDOFF PER DETAIL 2 ON SHEET 8.
 - AC PAVEMENT PER DETAIL 3 ON SHEET 8.
 - 5' WIDE CONCRETE WHEELCHAIR RAMPS AND 6' WIDE SIDEWALK.
 - PROTECT EXISTING CATCH BASIN IN PLACE
 - CONSTRUCT MOUNTABLE CURB ROLL TYPE PER COA SD 2415.
 - PROTECT EXISTING INTERCONNECT CABLE AND PULL BOXES IN PLACE.
 - PROTECT EXISTING TRAFFIC SIGNAL, PULL BOXES AND RELATED ITEMS IN PLACE.
 - CONSTRUCT "DEPRESSED GUTTER" TYPE CURB AND GUTTER PER COA SD 2415.



"AS BUILT" (HORIZONTAL AND VERTICAL LOCATION ONLY)

NOTE TO CONTRACTOR:

THE CONTRACTOR SHALL PROTECT IN PLACE ALL LANE STRIPING AND MARKINGS THAT DO NOT CONFLICT WITH THOSE SHOWN TO BE CONSTRUCTED IN THESE PLANS.

DATE: 06 / 14 / 1996

EKN Engineers / Planners / Surveyors
4770 CAMPUS DRIVE, SUITE 200, HUNTSVILLE, AL 35894
256-228-2882 FAX 256-228-2887

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **REVISIONS TO NEW MEXICO STATE ROUTE 528 IMPROVEMENTS**
N.M.S.R. 528 STATION 29+50.00 TO 49+50.00

NO.	DATE	REVISIONS
1	06/14/96	DESIGN

City Project No. **5327-90** Zone Map No. **A-19-Z AND A-14-Z** Sheet **6** of **10**

CONTRACTOR'S SEAL

STATION NAME: NM 448 - W2

DATE: 06/14/96

BY: [Signature]

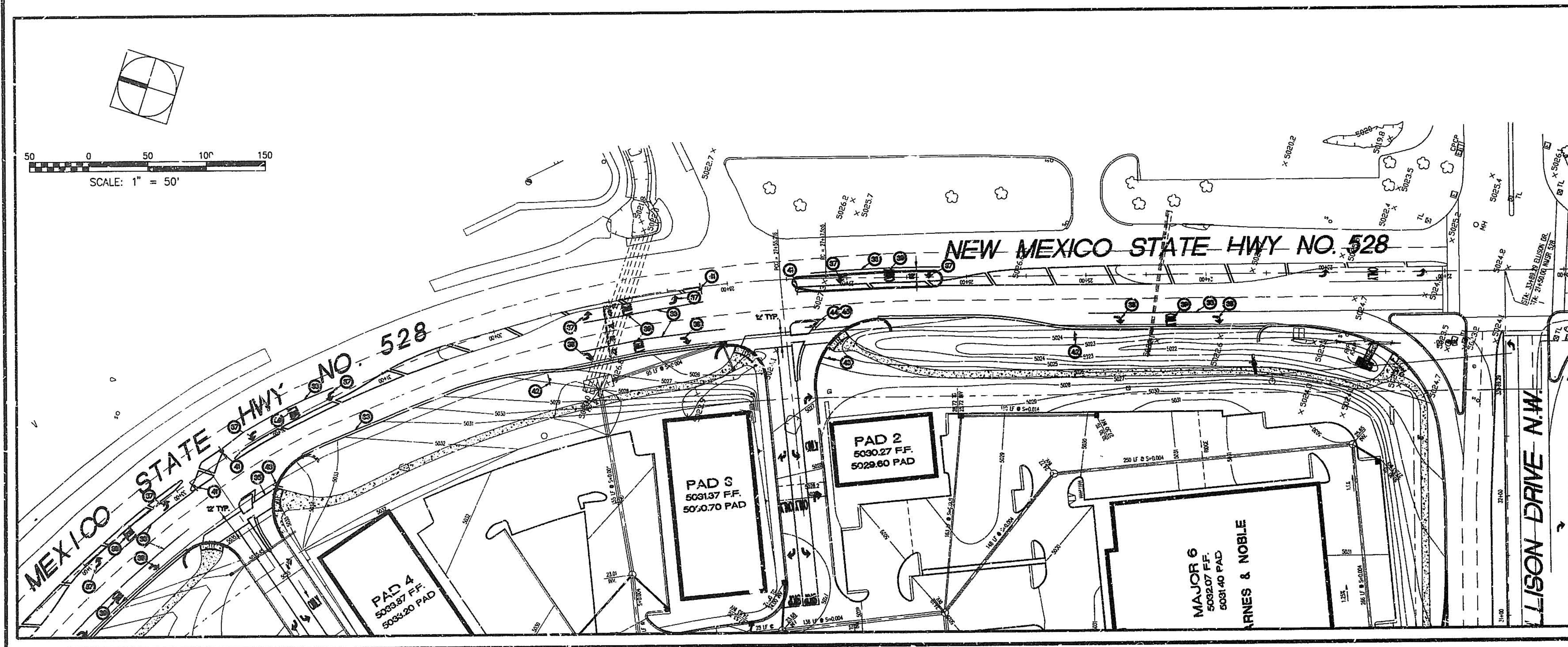
FOR: [Signature]

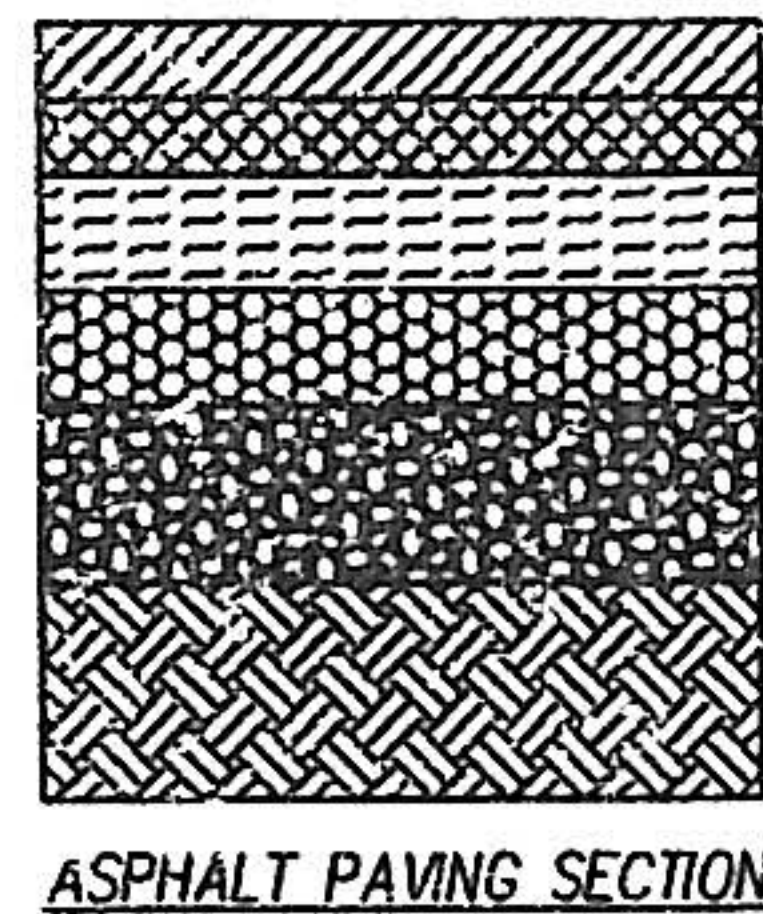
REVISIONS: [Signature]

DESIGNED BY: [Signature]

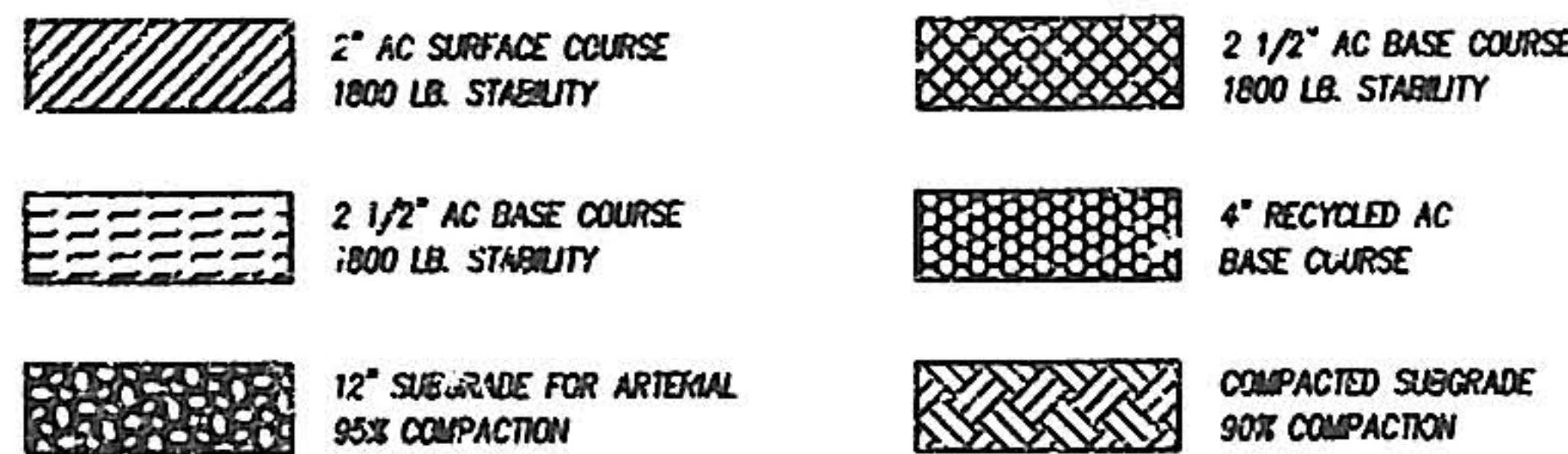
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CHECKED BY: [Signature]



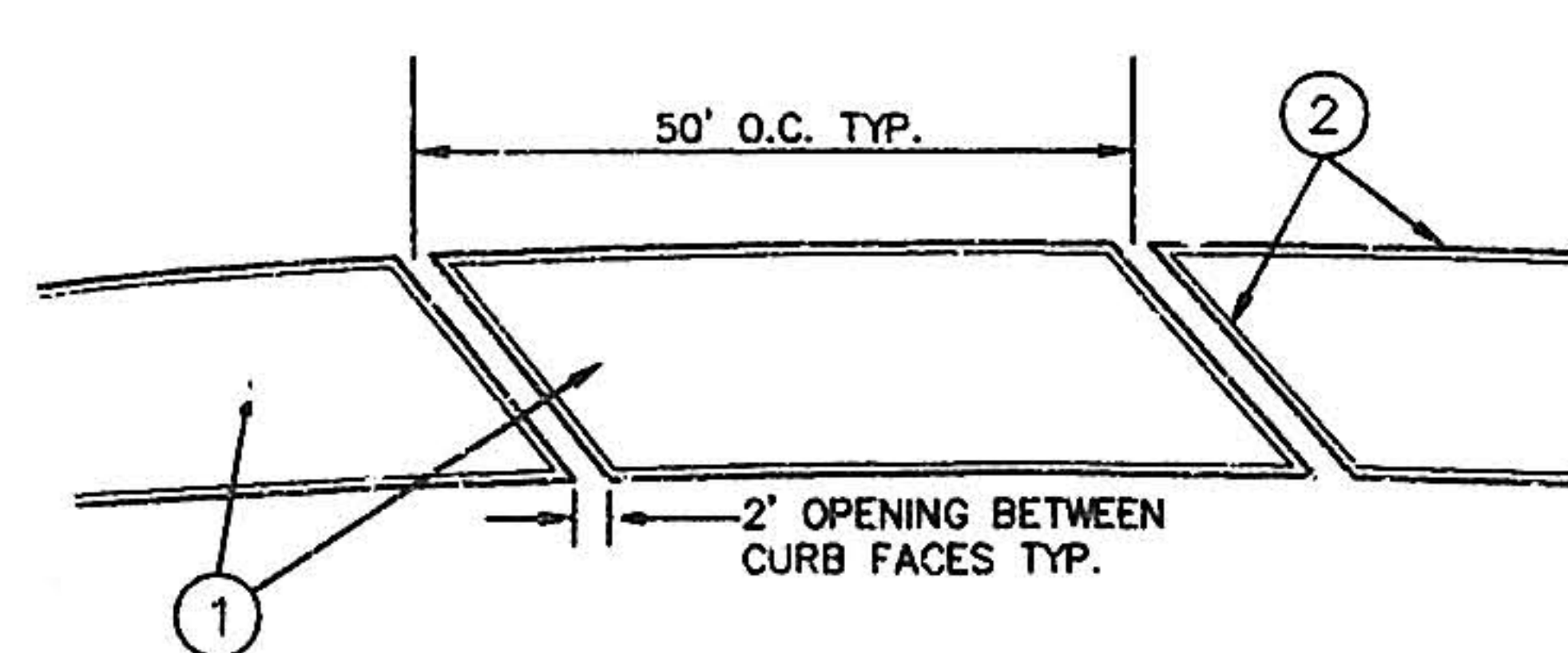


NOTE
PAVING SECTION MATCHES
SECTION USED FOR NM 528
FOR S.A.D. 223.



1 NM 528 AC PAVING SECTION

NOT TO SCALE

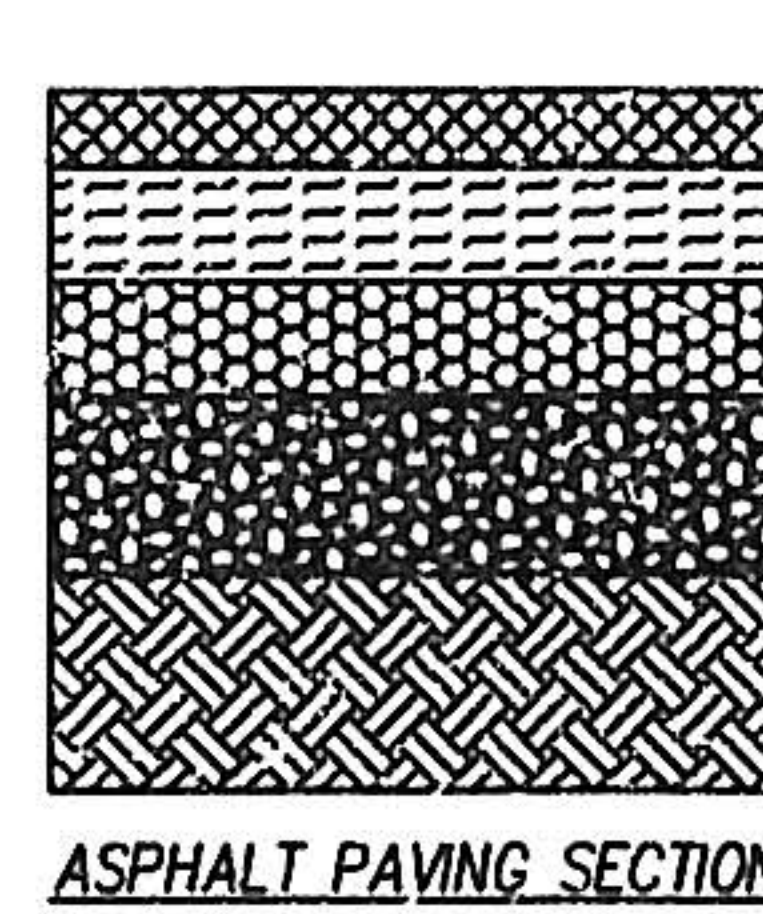


1. CONSTRUCT MONOLITHIC CONCRETE MEDIAN CURB PER DETAILS 7 & 8 HEREON.
2. CONSTRUCT EXTRUDED CONCRETE CURB PER DETAIL 4 HEREON.

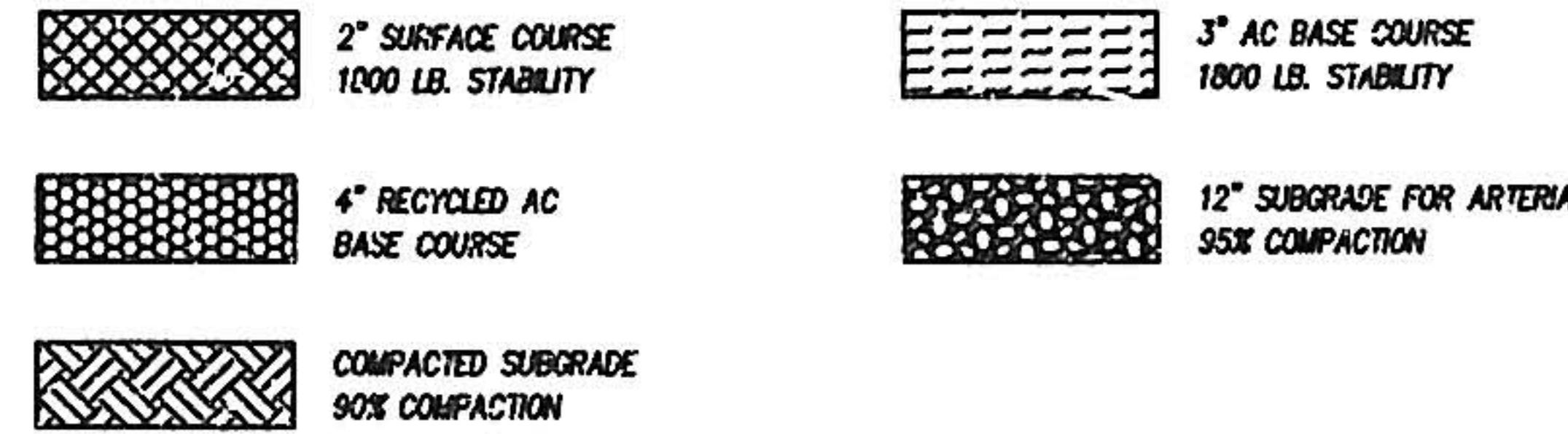
NOTE: WHEN ADDING MEDIAN RUNDOWNS TO EXISTING MEDIAN, SAWCUT AND REMOVE EXISTING CURBING AND ADD 4" ADDITIONAL CONCRETE CURB WHERE NEEDED.

2 MEDIAN RUNDOWN

NOT TO SCALE

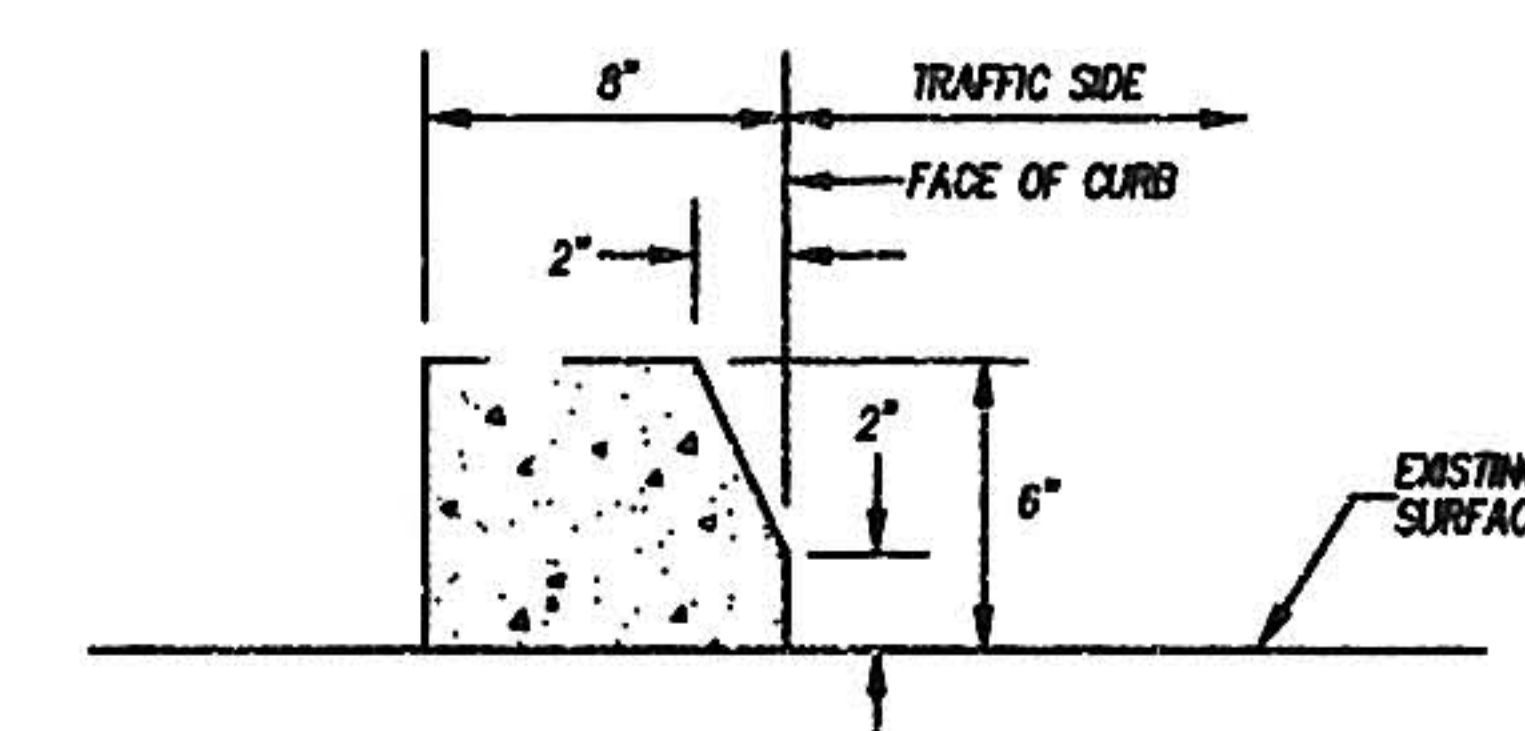


NOTE
PAVING SECTION MATCHES
SECTION USED FOR ELLISON
DRIVE FOR S.A.D. 223.



3 ELLISON DR. PAVING SECTION

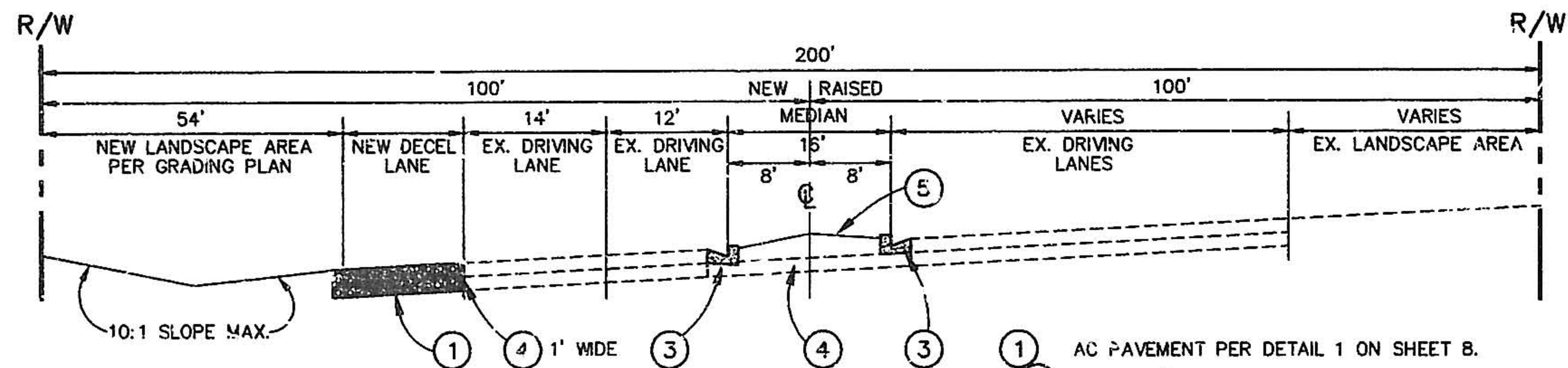
NOT TO SCALE



BOND NEW CURB TO EXISTING SURFACE
WITH "DECK-O-WELD" OR ENGINEER APPROVED
EQUAL PER MANUFACTURER'S SPECIFICATIONS.

4 EXTRUDED CONCRETE CURB

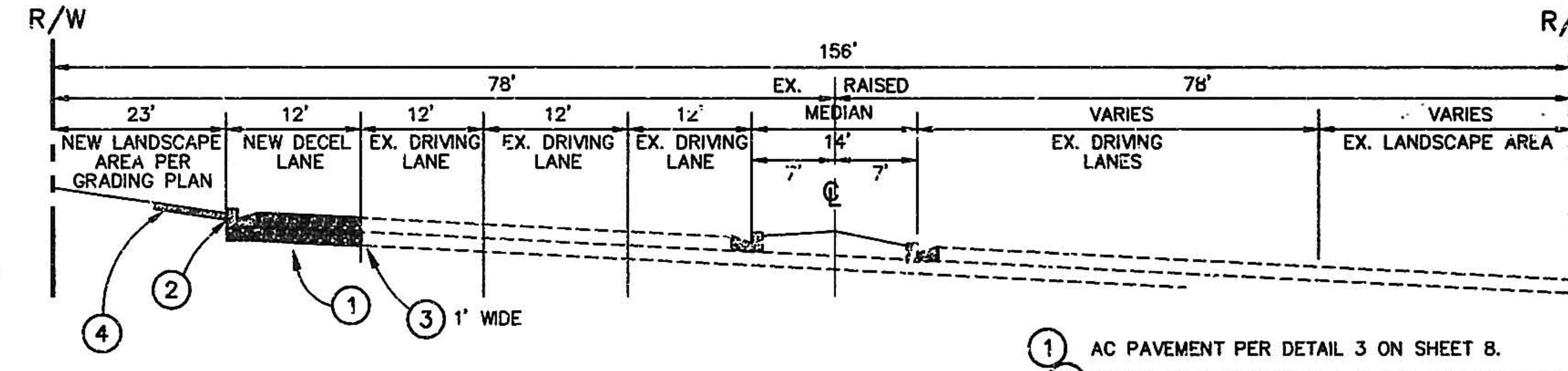
NOT TO SCALE



SECTION B - B - NM 528

NOT TO SCALE

1. AC PAVEMENT PER DETAIL 1 ON SHEET B.
2. CONST. 8" STANDARD C & G PER COA SD 2415.
3. CONST. MONOLITHIC CONC. MEDIAN PER DET. 7 HEREON.
4. SAWCUT AND REMOVE EXISTING AC.
5. BACKFILL WITH CLEAN SOIL, SLOPE AT 2% TO TC.



SECTION A - A - ELLISON DRIVE

AT STATION 30+00.00
NOT TO SCALE

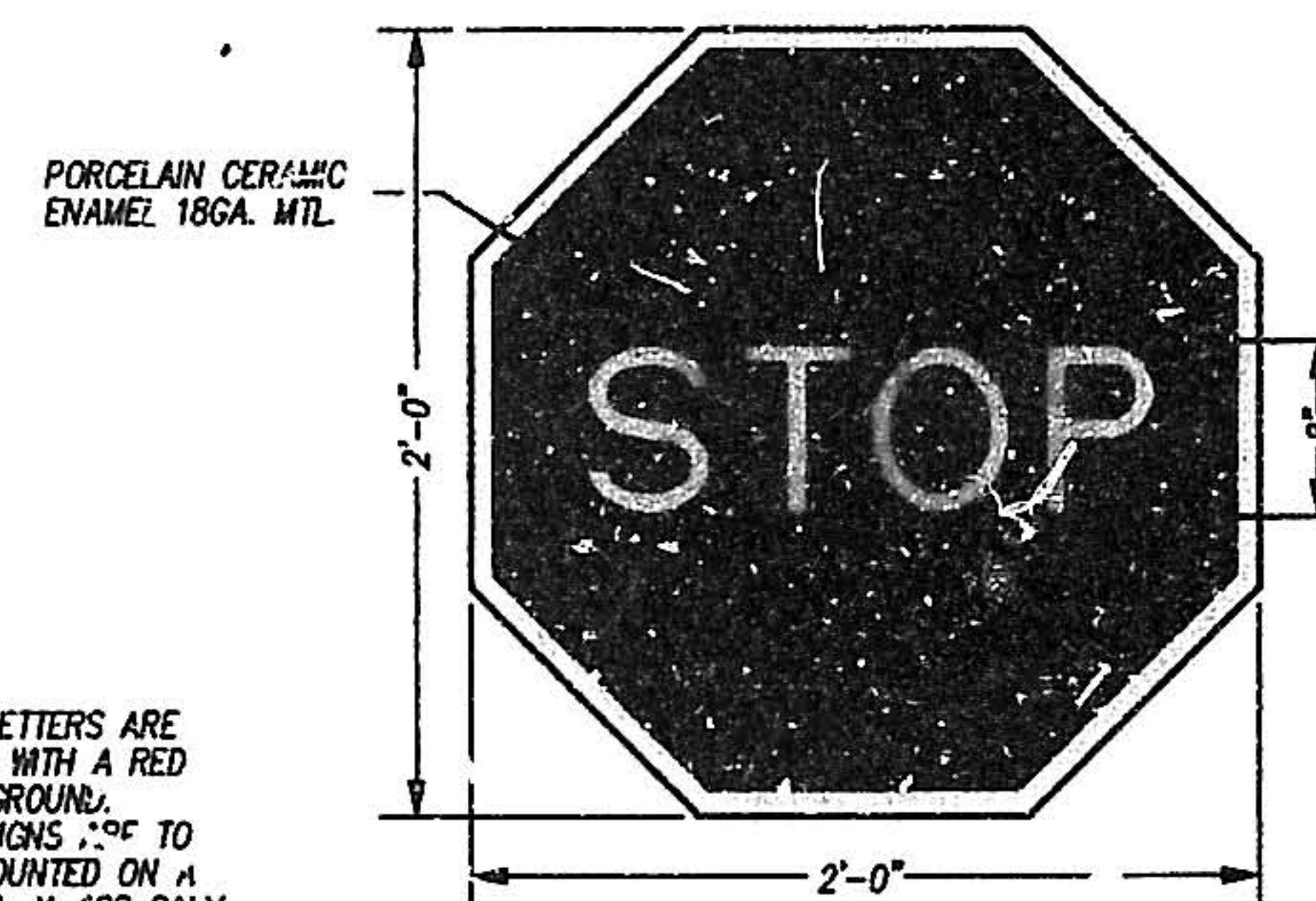
1. AC PAVEMENT PER DETAIL 3 ON SHEET B.
2. CONST. 8" STANDARD C & G PER COA SD 2415.
3. SAWCUT AND REMOVE EXISTING AC.
4. 4" THICK - 6" WIDE PCC SIDEWALK PER COA SD 2430.



- NOTES:
1. ALL LETTERS ARE BLACK WITH A WHITE BACKGROUND.
 2. THE SIGNS ARE TO BE MOUNTED ON A 4" DIA. X 188 GALV. PIPE POST.
 3. THE BOTTOM OF THE SIGN IS TO BE 7" ABOVE GRADE.
 4. THESE SIGNS SHALL BE POSTED FACING NORMAL DIRECTION OF TRAFFIC.

5 TRAFFIC SIGN DETAIL

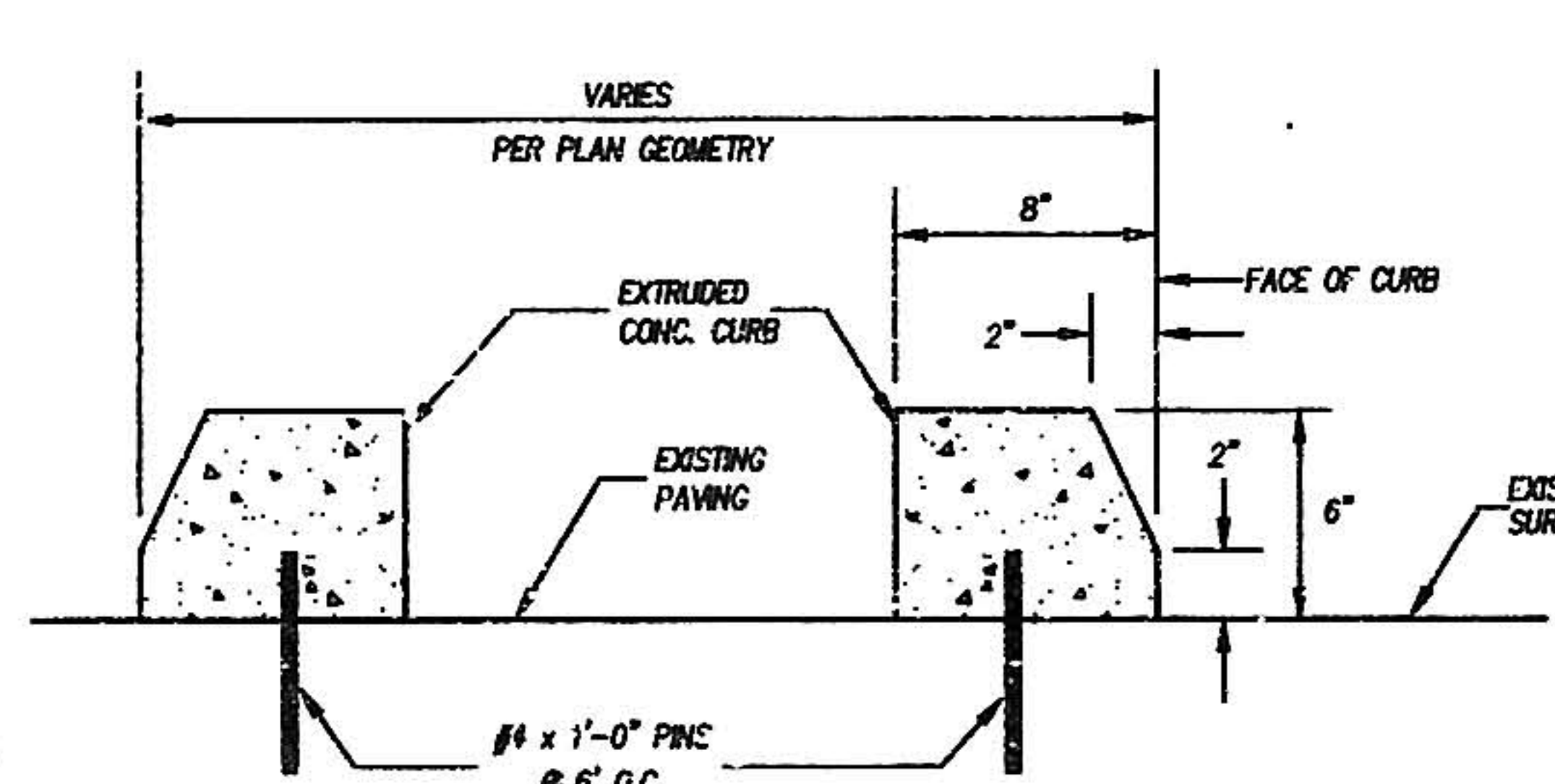
NOT TO SCALE



1. ALL LETTERS ARE WHITE WITH A RED BACKGROUND.
2. THE SIGNS ARE TO BE MOUNTED ON A 4" DIA. X 188 GALV. PIPE POST.
3. THE BOTTOM OF THE SIGN IS TO BE 7" ABOVE GRADE.
4. THESE SIGNS SHALL BE POSTED FACING NORMAL DIRECTION OF TRAFFIC.

6 STOP SIGN DETAIL

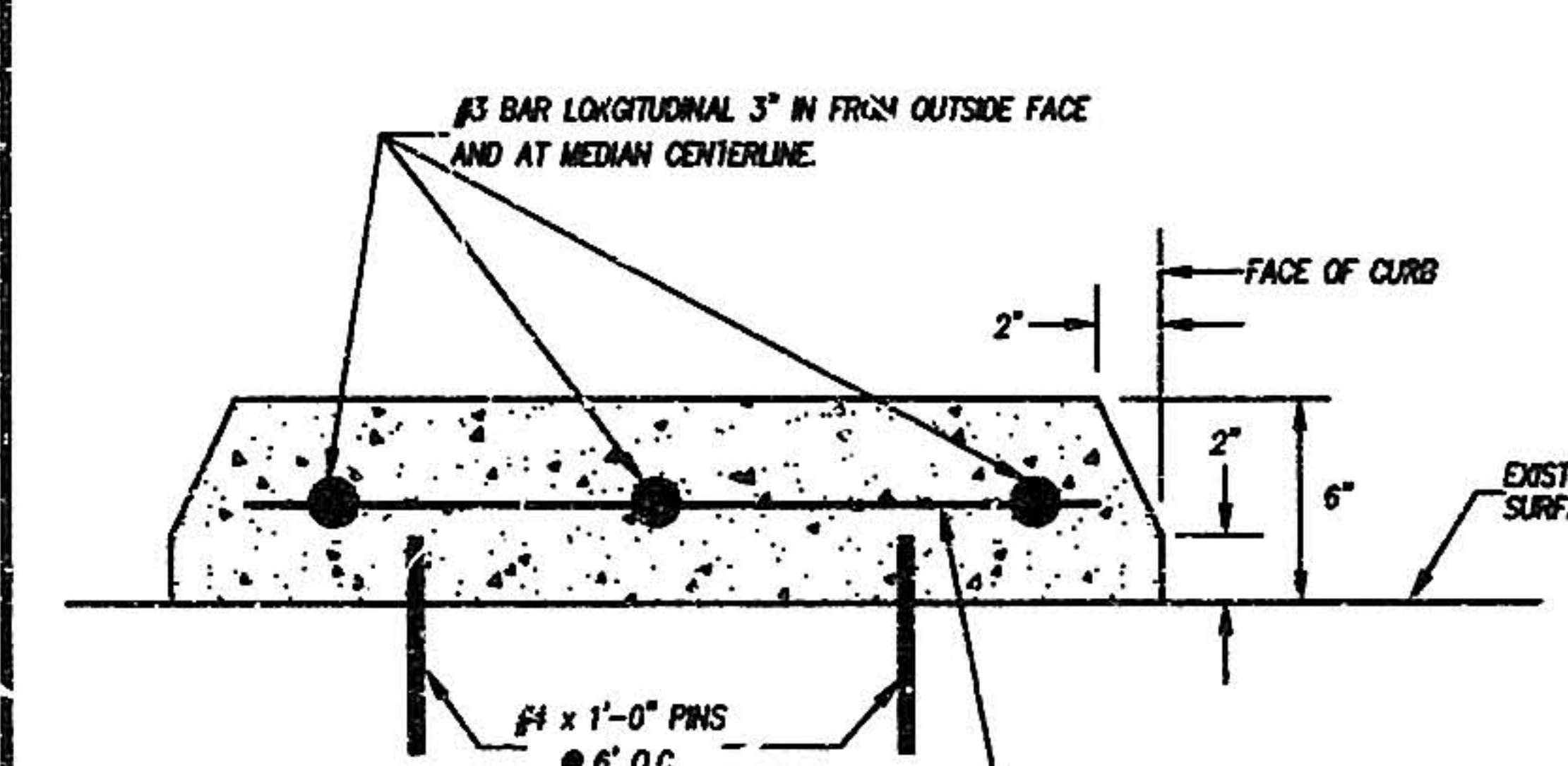
NOT TO SCALE



- NOTE:
1. PLACE BREAK IN CURBING ON DOWN SLOPE SIDE FOR DRAINAGE EVERY 10 FEET O.C.
 2. WHEN MEDIAN WIDTH IS 4' OR LESS USE DETAIL 8 HEREON.

7 MONOLITHIC CONC. MEDIAN

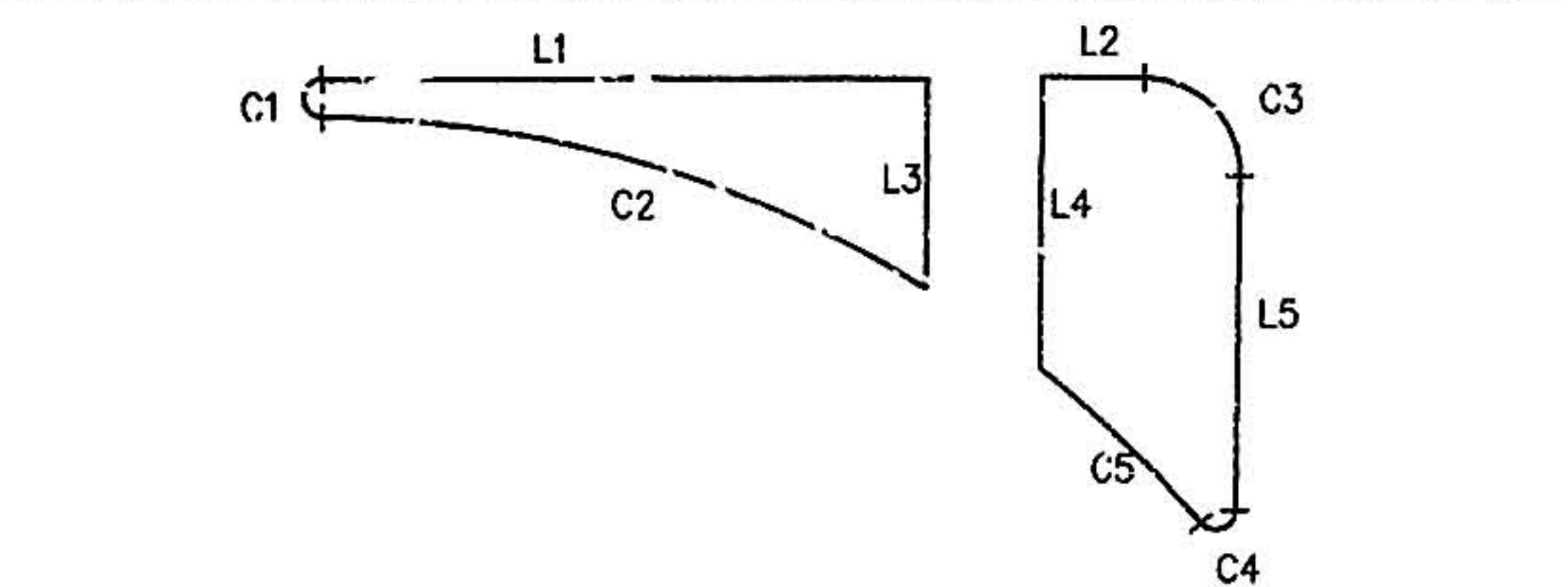
NOT TO SCALE



- NOTE:
1. WHEN MEDIAN WIDTH IS GREATER THAN 4' USE DETAIL 7 HEREON.

8 REIN. CONC. MEDIAN NOSE

NOT TO SCALE



CURB CURVE DATA

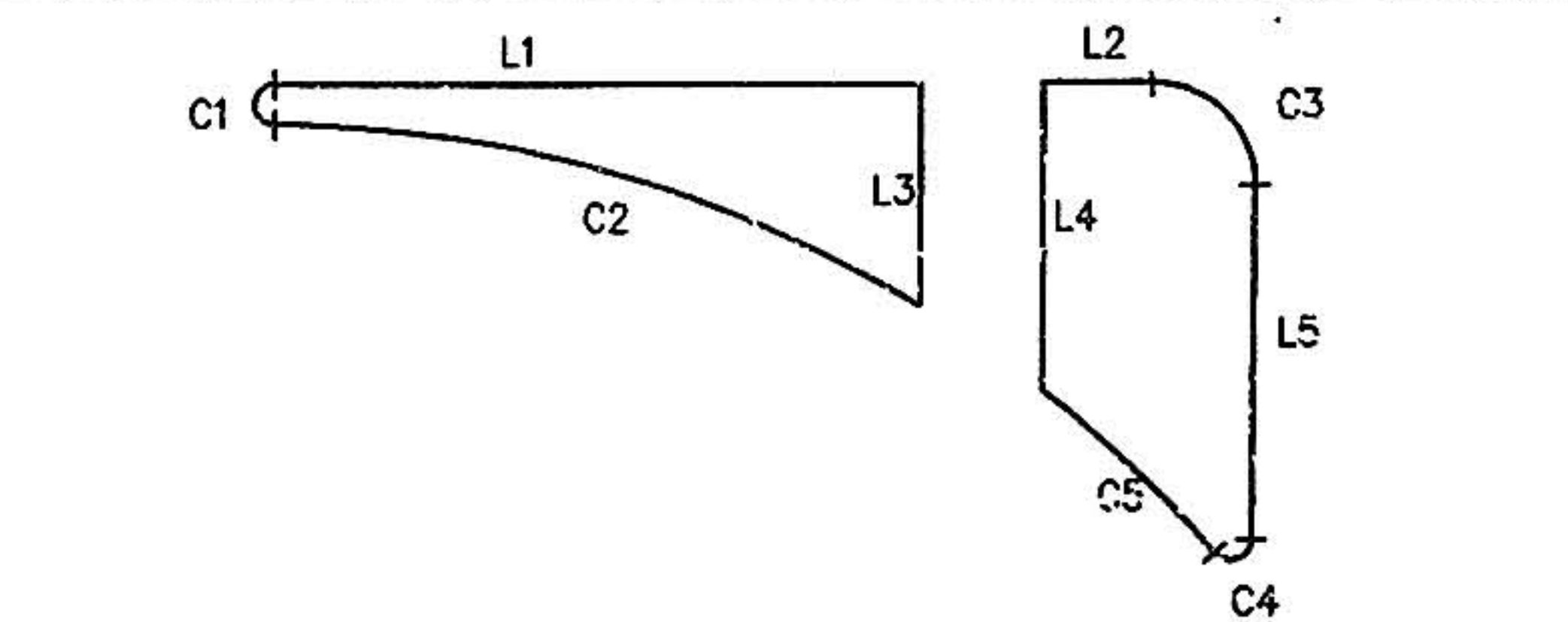
CURVE	DATA	DATA	DATA	DATA
C1	100' R	1.00'	3.14'	-
C2	200' R	0.50'	3.14'	17.10'
C3	300' R	0.33'	3.14'	10.99'
C4	400' R	0.25'	3.14'	8.24'
C5	500' R	0.20'	3.14'	6.58'

CURB LINE DATA

LINE	BEARING	DISTANCE
L1	N 89°00'00" E	33.77'
L2	N 89°00'00" E	3.77'
L3	N 89°00'00" E	10.99'
L4	N 89°00'00" E	17.10'
L5	N 89°00'00" E	33.77'
L6	N 89°00'00" E	3.77'
L7	N 89°00'00" E	10.99'
L8	N 89°00'00" E	17.10'

8 DRIVEWAY #1 MEDIAN

NOT TO SCALE

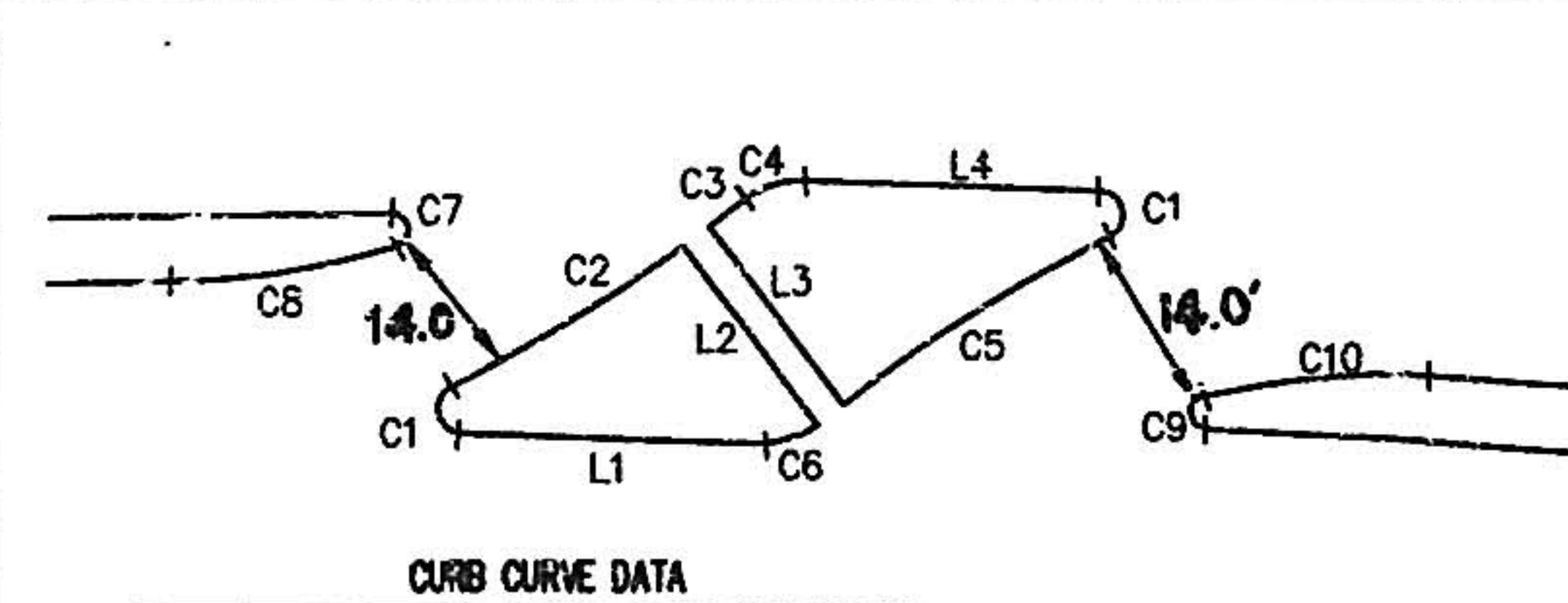


CURB CURVE DATA				
CURVE	DATA	DATA	DATA	DATA
C1	100' R	1.67'	3.14'	-
C2	275' R	0' 0"	23.85'	17.59'
C3	500' R	7.85'	5.63'	-
C4	120' R	1.67'	2.41'	2.62'
C5	405' R	0.16'	11.00'	5.88'

CURB LINE DATA					
LINE	BEARING	DISTANCE	LINE	BEARING	
L1	N 67°00'00" E	34.77'	L5	N 67°00'00" E	5.38'
L2	N 67°00'00" E	3.77'	L6	N 22°35'40" W	10.99'
L3	N 22°35'40" W	10.99'	L7	N 22°35'40" W	10.99'
L4	N 22°35'40" W	17.10'	L8	N 22°35'40" W	17.10'

9 DRIVEWAY #3 MEDIAN

NOT TO SCALE

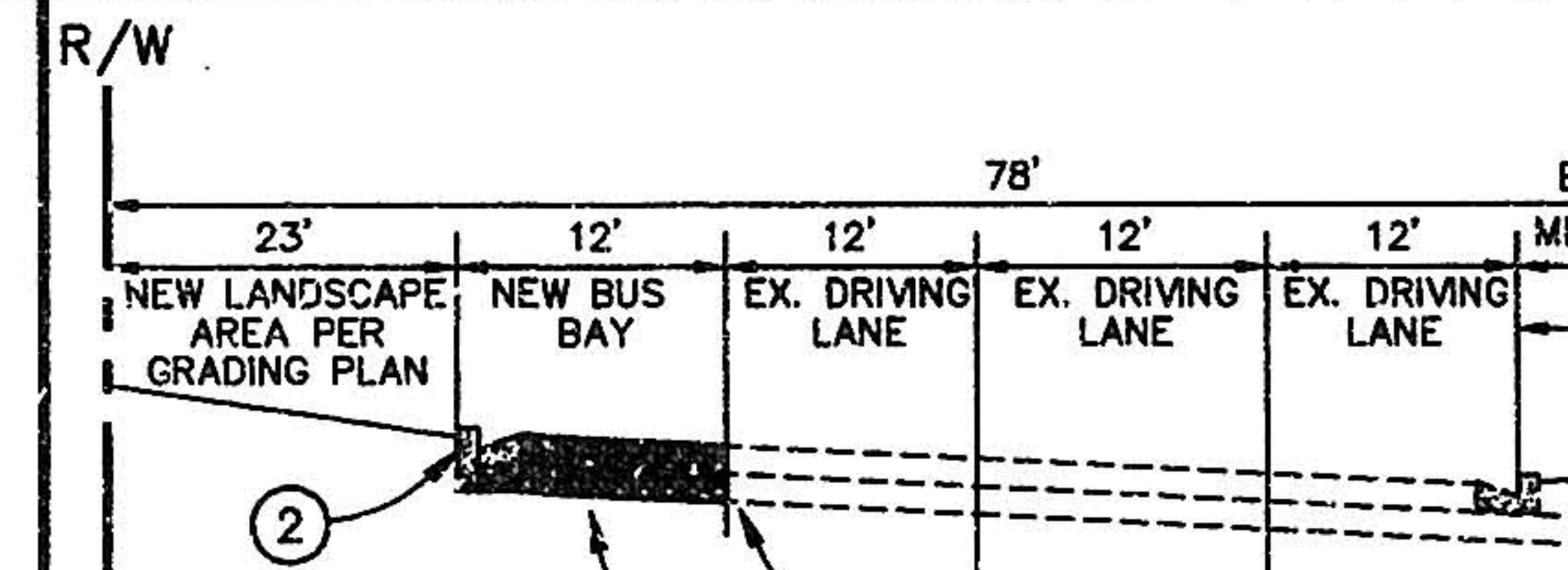


CURB CURVE DATA				
CURVE	DATA	DATA	DATA	DATA
C1	100' R	1.00'	3.14'	2.25'
C2	100' R	1.00'	3.14'	2.25'
C3	100' R	1.00'	3.14'	2.25'
C4	100' R	1.00'	3.14'	2.25'
C5	100' R	1.00'	3.14'	2.25'
C6	100' R	1.00'	3.14'	2.25'
C7	100' R	1.00'	3.14'	2.25'
C8	100' R	1.00'	3.14'	2.25'
C9	100' R	1.00'	3.14'	2.25'
C10	100' R	1.00'	3.14'	2.25'

CURB LINE DATA					
LINE	BEARING	DISTANCE	LINE	BEARING	
L1	N 89°00'00" E	33.77'	L5	N 89°00'00" E	33.77'
L2	N 89°00'00" E	3.77'	L6	N 89°00'00" E	3.77'
L3	N 89°00'00" E	10.99'	L7	N 89°00'00" E	10.99'
L4	N 89°00'00" E	17.10'	L8	N 89°00'00" E	17.10'

10 DRIVEWAY #3 MEDIAN

NOT TO SCALE



1. AC PAVEMENT PER DETAIL 3 ON SHEET B.
2. CONST. 8" STANDARD C & G PER COA SD 2415.
3. SAWCUT AND REMOVE EXISTING AC.

SECTION C - C - ELLISON DRIVE

AT STATION 27+00.00
NOT TO SCALE

AS BUILT INFORMATION	
CONTRACTOR	DATE
WORK	DATE
STATION NAME: NM 448 - N12	DATE
BRASS TABLE SET IN CONCRETE TABLE PROJECTING 0.3 FT.	DATE
9.50 ABOVE GROUND LOCATED 9.50 MILES NORTH OF THE INTERSECTION	DATE
OF COORS ROAD AND CENTRAL AVENUE ON THE WEST SIDE OF	DATE
COORS ROAD AT MT. BELL SUB STA.	DATE
NORTHING: 1528.910.94	DATE
EASTING: 381.105.54	DATE
ELEVATION: 5,023.41	DATE

SURVEY INFORMATION	
NO.	DATE
1	DATE
BY	DATE
HORIZ/VERT CONTROL	DATE
BY HUGG SURVEY	DATE

ENGINEER'S SEAL	
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE

REMARKS	
DESIGN	DATE
DATE	DATE
DATE	DATE
DATE	DATE

26-5327-1901 0097

DATE: 06 / 14 / 1995

EKN Engineers / Planners / Surveyors
2070 CHURCH DRIVE, SUITE 200, TEMPE, ARIZONA 85281
(602) 998-1900 FAX (602) 998-1901

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
PAVING AND STRIPING DETAILS
COTTONWOOD CORNERS SHOPPING CENTER
OFFSITE IMPROVEMENT PLANS

City Engineer Approval	Mo./Day/Yr.
DATE	DATE
DATE	DATE
DATE	DATE

Sheet	8	Of	10
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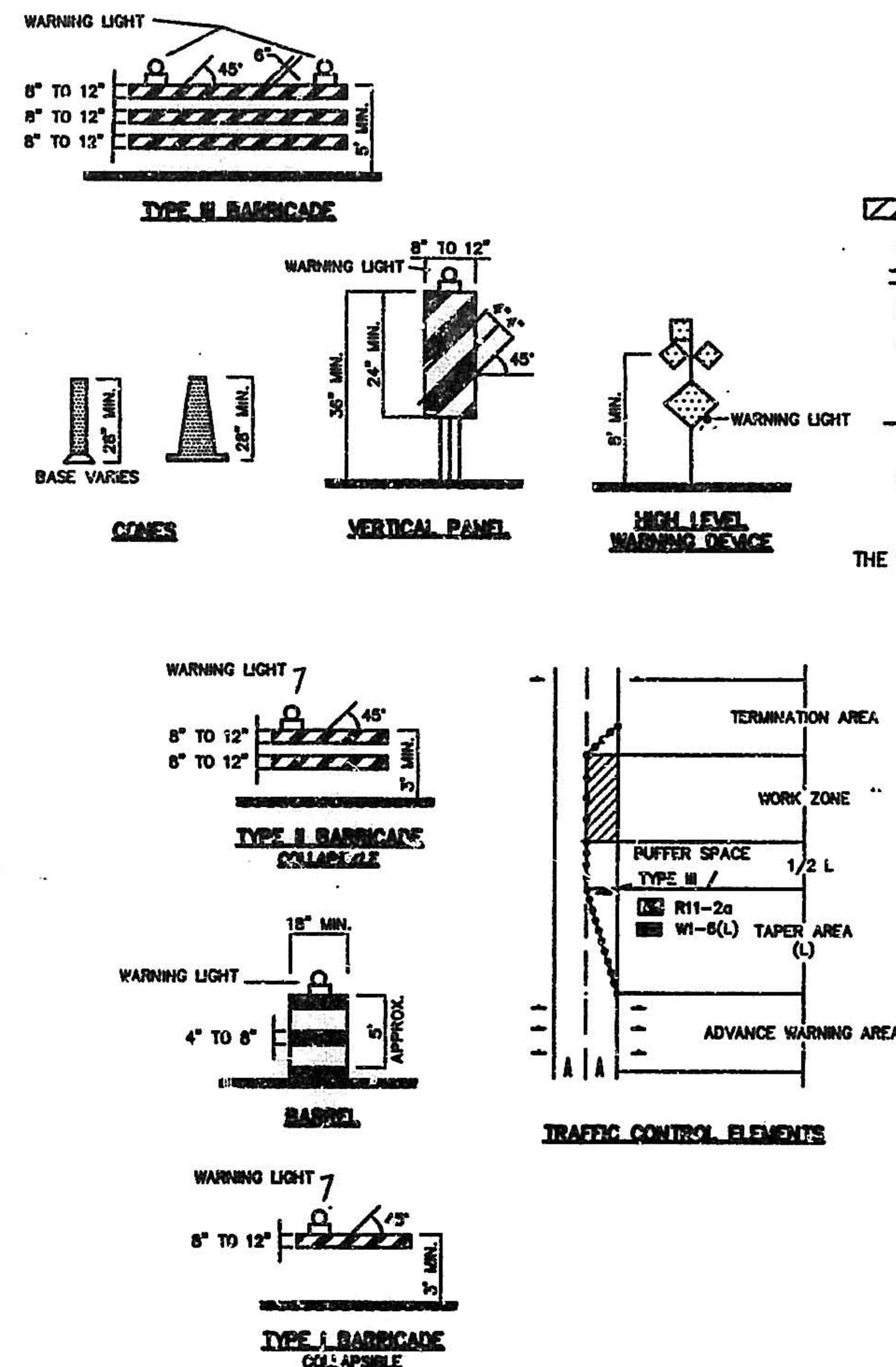
CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

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 WITHIN 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 ACCESSSES. 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 ACCESSSES. 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 7:00 A.M. OR END WORK AFTER 7:00 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 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.

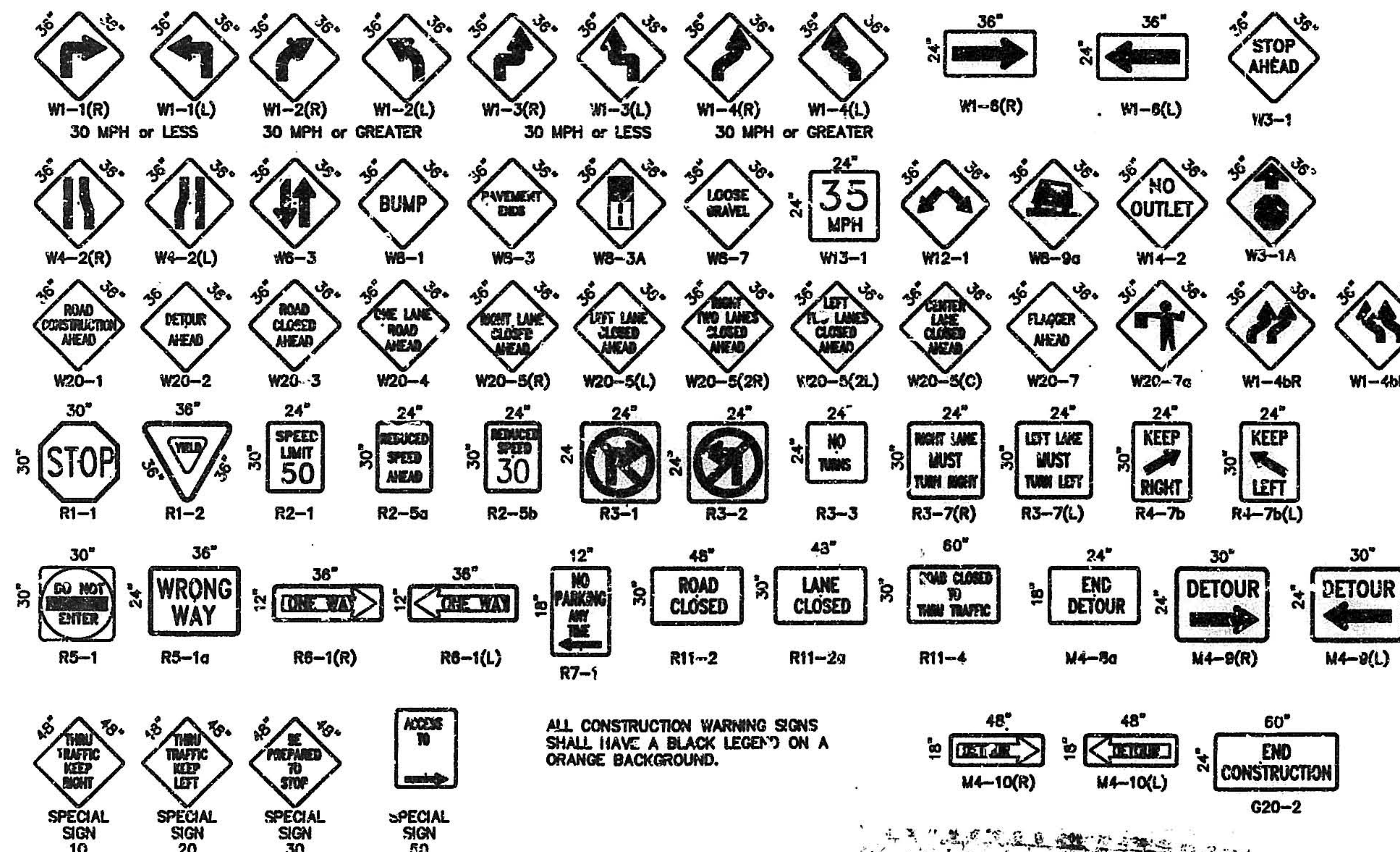
21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
 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" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.

NOTE:



NOTE:
CONSTRUCTION ON ELLISON AND NMI 528 TO BE COORDINATED WITH
SND 223. BARRICADING PERMIT TO BE ACQUIRED 3 DAYS PRIOR
TO CONSTRUCTION.



SIGN FACE DETAILS



LEGEND

- | | |
|---|--|
|  | WORK AREA |
| ● | BARRICADE - TYPE I, TYPE II, OR BARREL |
| ○ | BARRICADE - TYPE III |
| X | VERTICAL PANEL |
| | WARNING SIGN |
| D | DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET |
|  | FLAGMAN POSITION |
| S | SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET |
| L | 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 SPACING IN FEET	DEVICE AFTER TAPER
	10' LANE	11' LANE	12' LANE			
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


<u>TYPE OF TAPER</u>	<u>TAPER LENGTH</u>
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	150 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{20}$
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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	-	5	3	2	7	.	9	0			0	9	9	7

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP															
TITLE:															
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS															
DESIGN REVIEW COMMITTEE 	CITY ENGINEER APPROVAL	<table border="1"> <tr> <td>MO. / DAY / YR.</td> <td>MO. / DAY / YR.</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>		MO. / DAY / YR.	MO. / DAY / YR.										
MO. / DAY / YR.	MO. / DAY / YR.														
PROJECT NO. 5327.90		MAP NO.	SHEET 9 OF 10												

