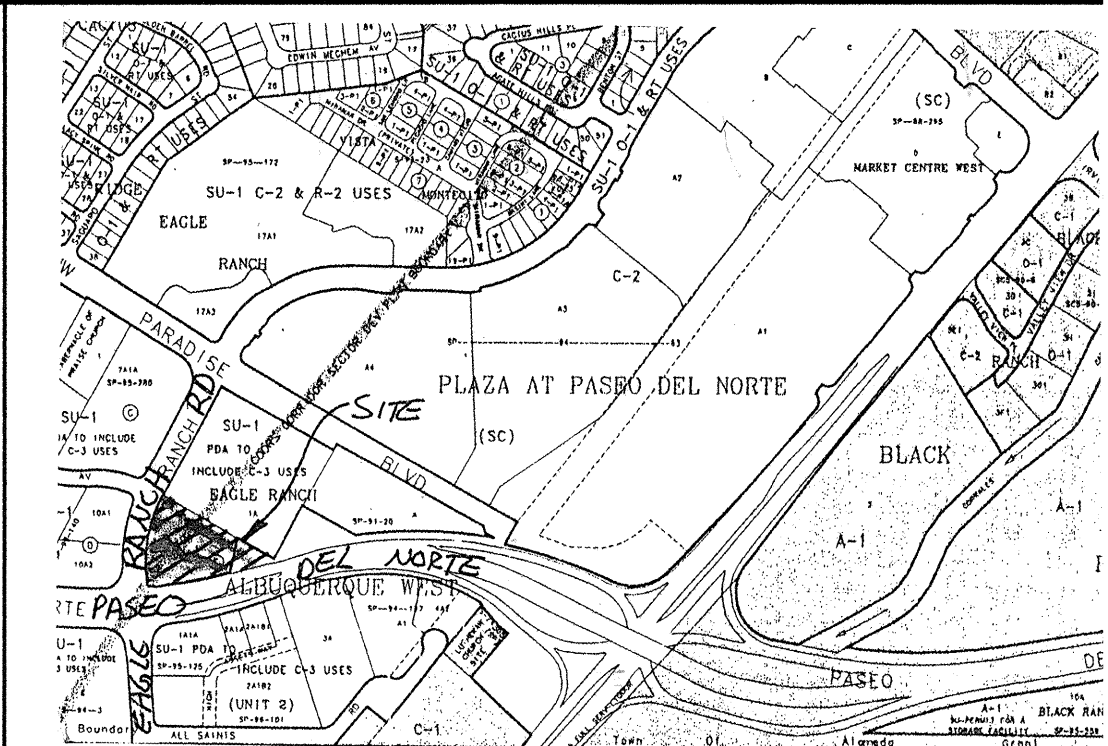


CONSTRUCTION PLANS
FOR
PHILLIPS 66
PASEO DEL NORTE & EAGLE RANCH ROAD
ALBUQUERQUE, NEW MEXICO

FOR INFORMATION ONLY

INDEX TO DRAWINGS

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



VICINITY MAP ZONE ATLAS C-13-
GENERAL NOTES SCALE: NON

NOTICE TO CONTRACTORS

- CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
- PRIOR TO ANY 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 THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
- FIVE (5) 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 OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR IN EXISTING OR NEW LOCATION AS INDICATED BY THIS SET.
- THE 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 WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.
- NO CONSTRUCTION WORK IN THE RIGHT-OF-WAY OR LANE CLOSURES ON EITHER PASEO DEL NORTE OR EAGLE RANCH ROAD, WILL BE ALLOWED BETWEEN 5:00 AM AND 8:00 PM WHILE CONSTRUCTION IS STILL ON-GOING AT THE INTERSECTION OF PASEO DEL NORTE AND GOLF COURSE ROAD CITY PROJECT NO.'S 590781 AND 590881.
- NO LANE CLOSURES WILL BE ALLOWED ON PASEO DEL NORTE BETWEEN THE HOURS FROM 3:00 PM TO 7:00 PM.
- TWO-WAY TRAFFIC MUST BE MAINTAINED ON EAGLE RANCH ROAD AT ALL TIMES.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

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

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 826-2200, FAX (505) 797-9539

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC CHAIRMAN		5-14-99		APPROVED FOR CONSTRUCTION	
		TRANSPORTATION		4-27-99		5/9/00	
		WATER/WASTEWATER		4-27-99		CITY ENGINEER	
		HYDROLOGY		4-27-99		DATE	
		CIP		4-27-99		SHEET OF	
CONSTR. MGMT.		4-27-99		1		7	
CONST. COORD.		4-27-99		CITY PROJECT NO.		612481	

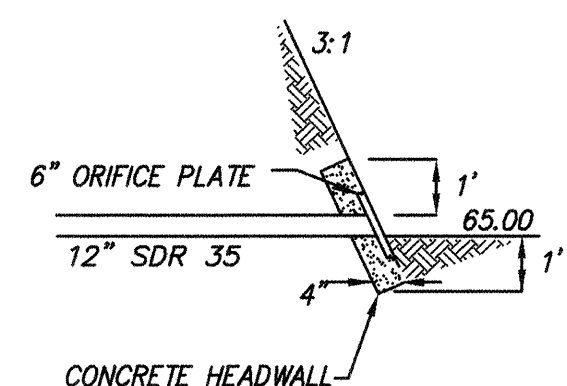
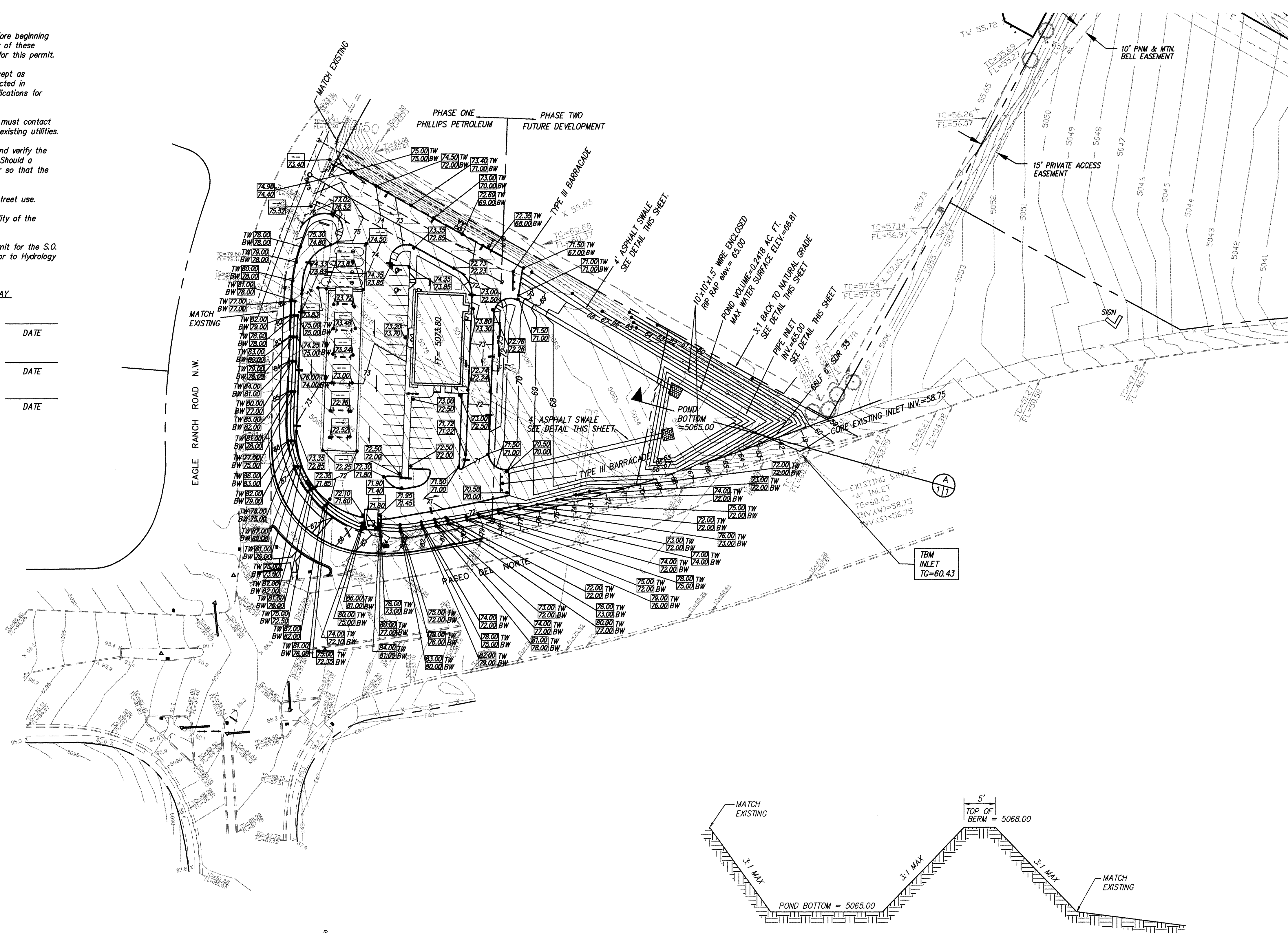
DRB-98-190

NOTICE TO CONTRACTOR

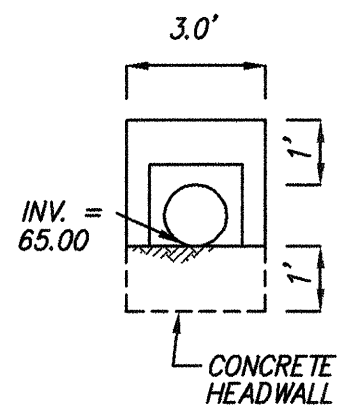
1. An excavation/construction permit will be required before beginning any work within City right of way. An approved copy of these plans must be submitted at the time of application for this permit.
2. All work detailed on these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with "City of Albuquerque Standard Specifications for Public Works Construction" (1988 Edition).
3. Two working days prior to any excavation, Contractor must contact the 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 obstructions. Should a conflict exist, the Contractor shall notify the Engineer so that the conflict can be resolved with a minimum 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. Contractor is responsible for obtaining excavation permit for the S.O. 19 and providing proof of acceptance by the City prior to Hydrology sign-off for Certificate of Occupancy.

DRAINAGE FACILITIES WITHIN CITY RIGHT OF WAY

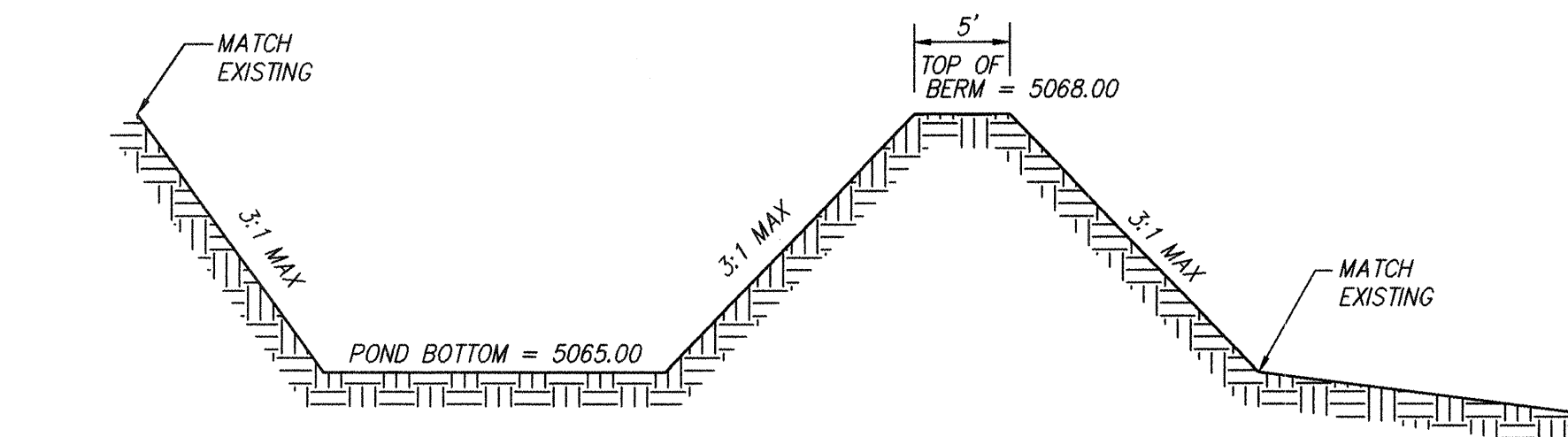
Design Approval	HYDROLOGY SECTION	DATE
Inspection Approval	CONSTRUCTION SECTION	DATE
Acceptance	CONSTRUCTION/SECTION/PERMITS	DATE



PIPE INLET DETAIL
N.T.S.

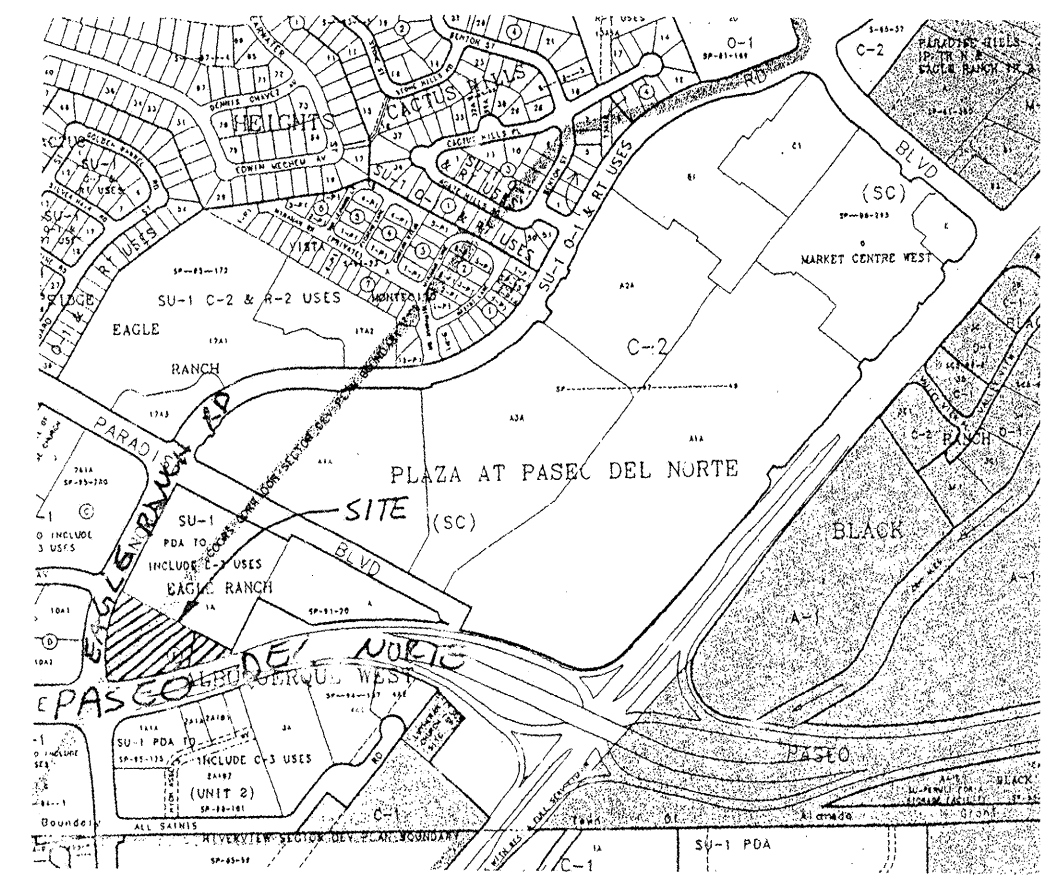
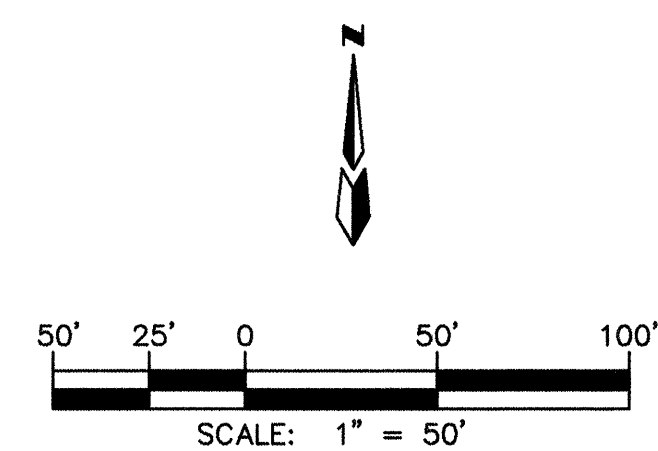


TYPICAL RETAINING WALL DETAIL
N.T.S.



CHANNEL DETAIL
N.T.S.

FOR INFORMATION ONLY



VICINITY MAP ZONE MAP: C-13-Z

TBM (TEMPORARY BENCHMARK)

TOP OF GRATE ON NORTH SIDE OF PASEO DEL NORTE TC=60.43

ACS BENCHMARK

STATION IS LOCATED 6.5 MILES. NW FROM DOWNTOWN ALBUQUERQUE. ON THE NW SIDE OF STATE HWY. 448 (COORS ROAD) IN THE PLAINS CO-OP R/W.

STATION IS 0.4 MILES. SW FROM THE INTERSECTION OF PARADISE BLVD. AND COORS ROAD, 187 FT. SW FROM THE 2nd. POWER POLE FROM THE EAST, AND 20 FT. EAST FROM THE CENTERLINE OF THE CO-OP R/W. SIGN POST GUARD 1.0 FT. EAST OF MONUMENT.

STATION IS A STANDARD CORPUS OF ENGINEERS METAL TABLE SET IN A CONC. POST, 0.75 FT. ABOVE THE GROUND, STAMPED "ALAMEDA B NO.2, ALBUQUERQUE DISTRICT, 1950.

X = 373,513.20 Y = 1520,142.81 Z = 5058.25

LEGAL DESCRIPTION

A TRACT OF LAND SITUATED WITHIN THE TOWN OF ALAMEDA GRANT, PROJECT SECTION 18, TOWNSHIP 11 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO BEING A PORTION OF LOTS 1 AND 2, ALBUQUERQUE WEST AS THE SAME IS SHOWN AND DESIGNATED ON SAID PLAT FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON NOVEMBER 21, 1984 IN VOLUME 625, FOLIO 138.

NOTES

RETAINING WALL TO BE DESIGNED BY OTHERS.

LEGEND

	NEW TOP OF CURB AND FLOWLINE SPOT ELEVATION
	NEW TOP OF WALL AND BOTTOM OF WALL SPOT ELEVATION
	PROPERTY LINE
	NEW CONTOUR
	EXISTING CONTOUR
	NEW CURB
	EXISTING CURB
	NEW RETAINING WALL
	NEW 3:1 SLOPE
	NEW ROOF DRAIN



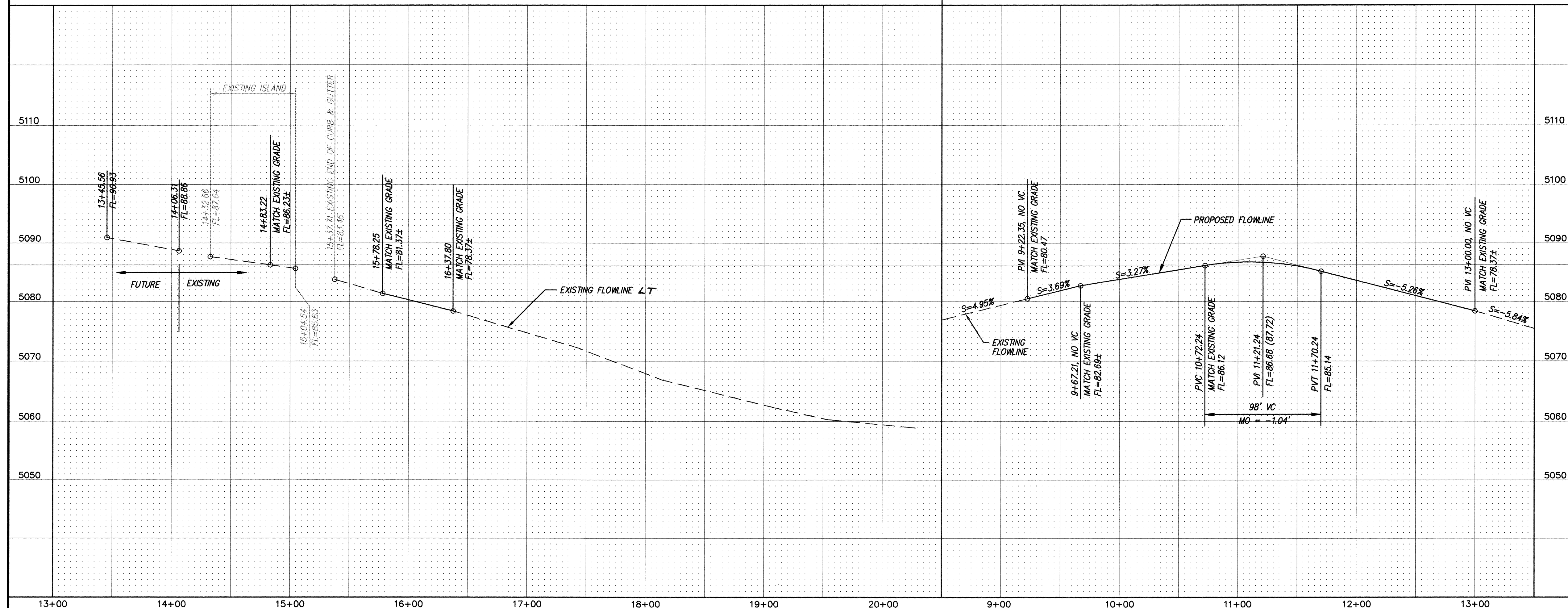
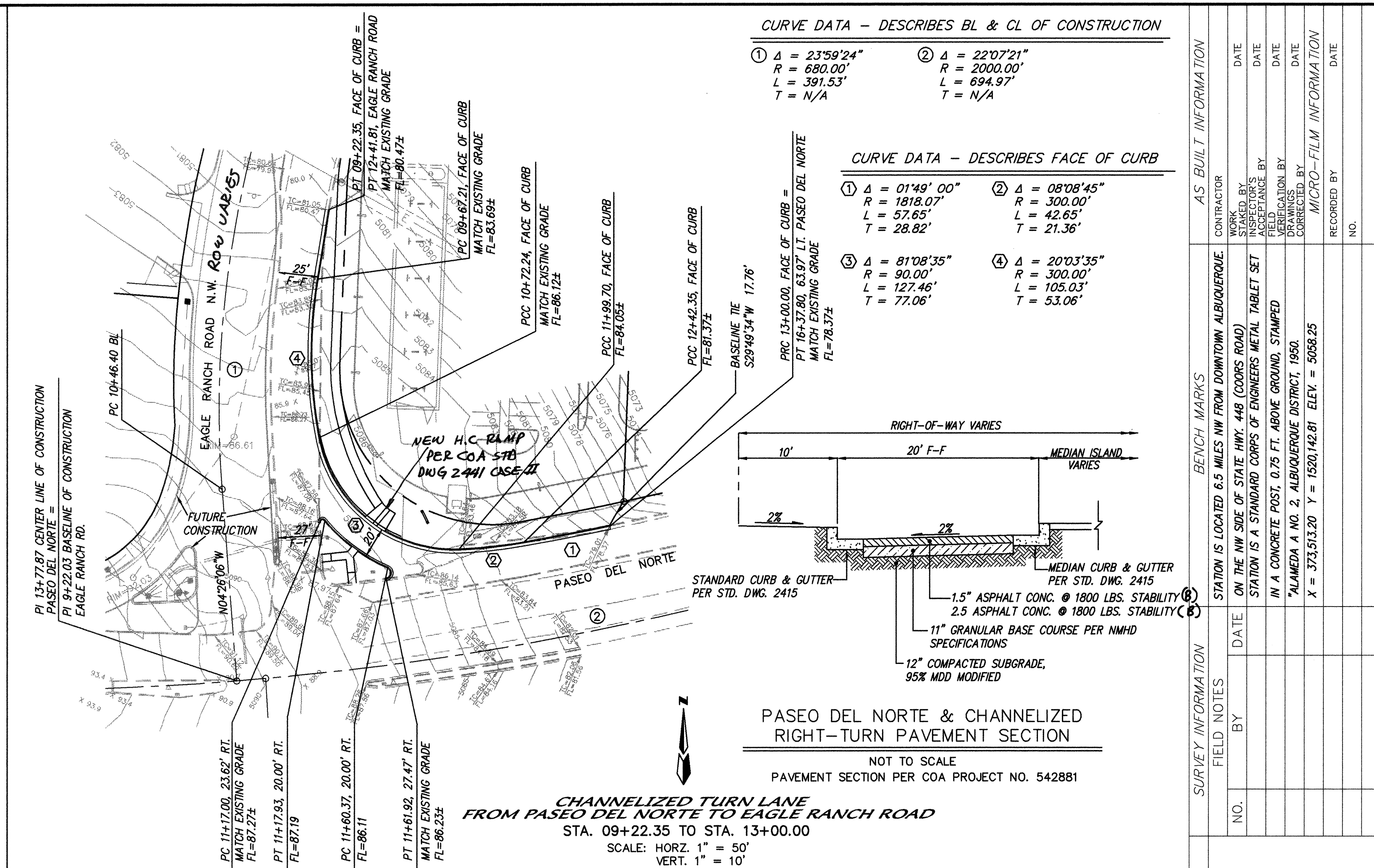
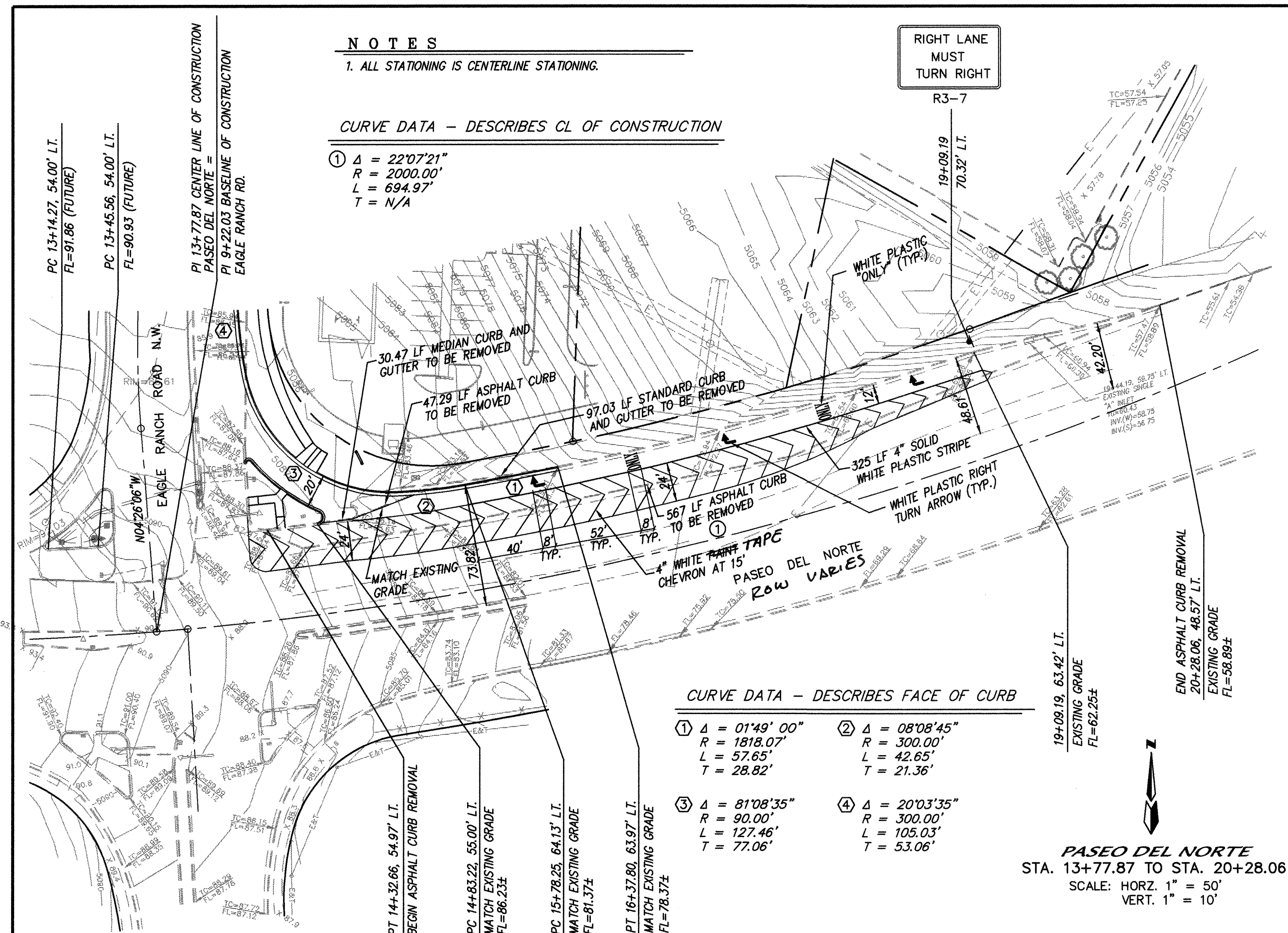
PHILLIPS 66 - PASEO DEL NORTE
GRADING AND DRAINAGE PLAN

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

Designed: DPS Drawn: AMB, WLW Checked: DMG
Scale: 1" = 50' Date: 3/97 Job: 97026 Sheet 3 of 3

CITY PROJECT NO. 612481

7026PHIL\7026G50\03-18-99\WLV



NOTES

1. ALL STATIONING IS FACE OF CURB STATIONING.

2. NO CONSTRUCTION WORK IN THE RIGHT-OF-WAY OR LANE CLOSURES ON EITHER PASEO DEL NORTE OR EAGLE RANCH ROAD, WILL BE ALLOWED BETWEEN 5:00 AM AND 8:00 PM WHILE CONSTRUCTION IS STILL ON-GOING AT THE INTERSECTION OF PASEO DEL NORTE AND GOLF COURSE ROAD CITY PROJECT NO.'S 590781 AND 590881.

3. NO LANE CLOSURES WILL BE ALLOWED ON PASEO DEL NORTE BETWEEN THE HOURS FROM 3:00 PM TO 7:00 PM.

4. TWO-WAY TRAFFIC MUST BE MAINTAINED ON EAGLE RANCH ROAD AT ALL TIMES.

FOR INFORMATION ONLY

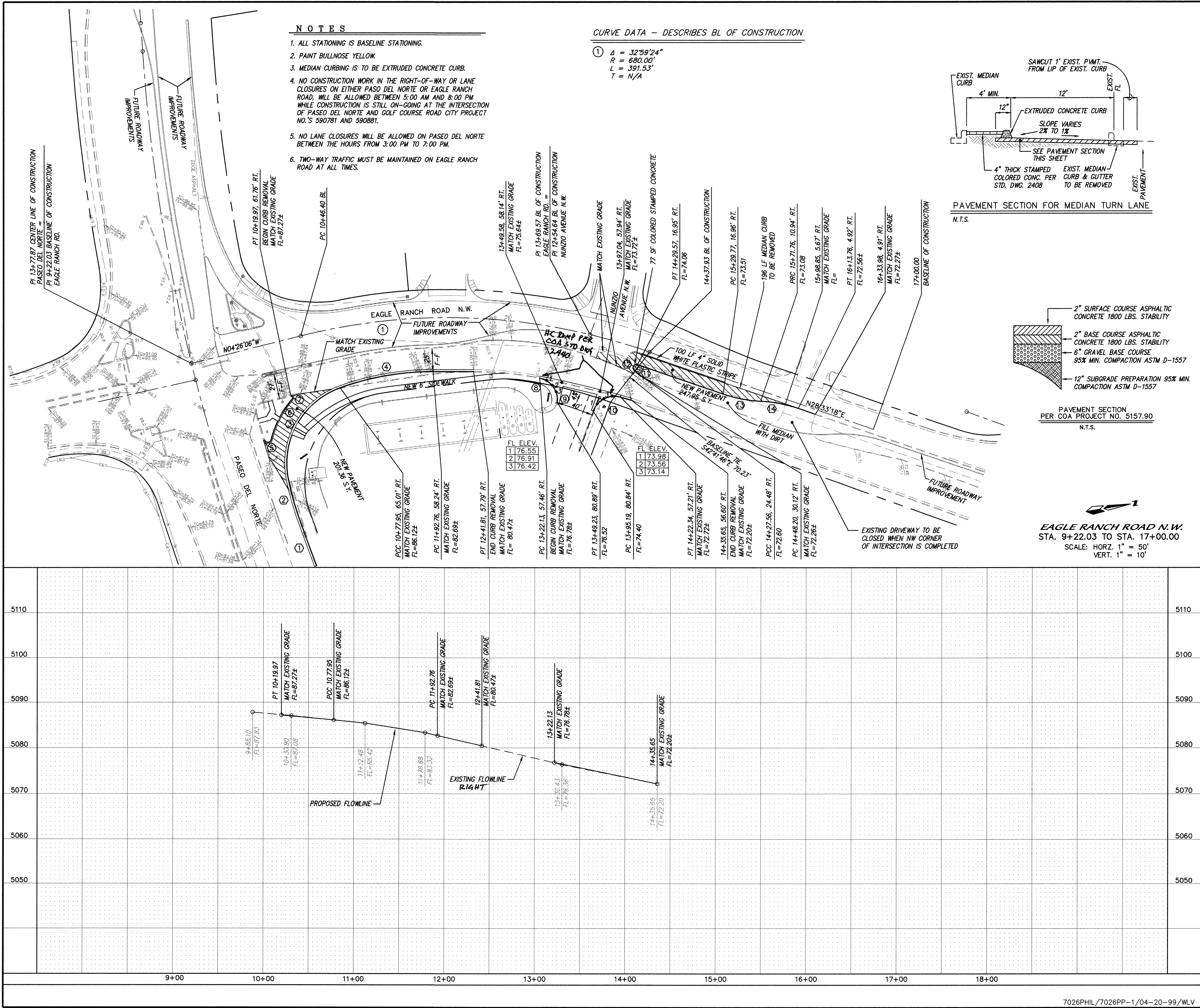
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

PHILLIPS 66 - PASEO DEL NORTE & EAGLE RANCH ROAD PAVING IMPROVEMENTS

DESIGNED BY: GJK DATE: 3/99
DRAWN BY: WLV DATE: 3/99
CHECKED BY: DMG DATE: 3/99

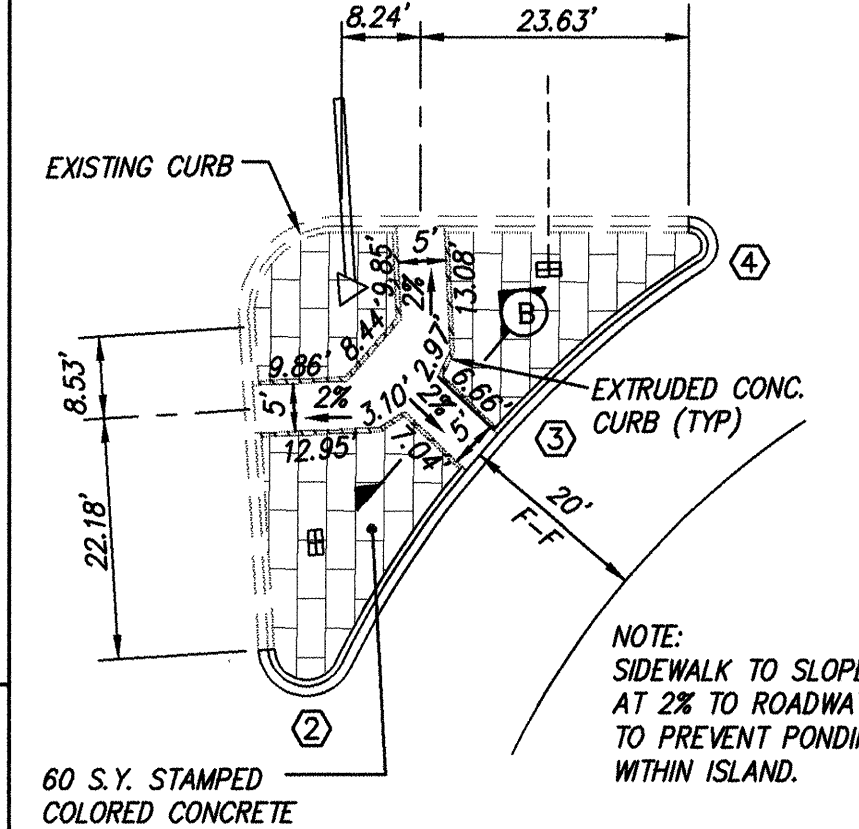
DESIGN REVIEW COMMITTEE: MAY 14 1999
CITY ENGINEER: MAY - 9 2000

CITY PROJECT NO. 612481
ZONE MAP NO. C-13-Z
SHEET 4 OF 7



CURVE DATA - DESCRIBES FACE OF CURB

① $\Delta = 01^{\circ}49'00''$ $R = 1818.07'$ $L = 57.65'$ $T = 28.82'$	② $\Delta = 08^{\circ}08'45''$ $R = 300.00'$ $L = 42.65'$ $T = 21.36'$
③ $\Delta = 81^{\circ}08'35''$ $R = 90.00'$ $L = 127.46'$ $T = 77.06'$	④ $\Delta = 20^{\circ}03'35''$ $R = 300.00'$ $L = 105.03'$ $T = 53.06'$
⑤ $\Delta = 149^{\circ}27'58''$ $R = 4.00'$ $L = 10.43'$ $T = 14.65'$	⑥ $\Delta = 29^{\circ}27'41''$ $R = 110.00'$ $L = 56.56'$ $T = 28.92'$
⑦ $\Delta = 146^{\circ}29'28''$ $R = 2.00'$ $L = 5.11'$ $T = 6.64'$	⑧ $\Delta = 76^{\circ}51'49''$ $R = 25.00'$ $L = 33.54'$ $T = 19.84'$
⑨ $\Delta = 14^{\circ}12'17''$ $R = 15.00'$ $L = 3.71'$ $T = 1.87'$	⑩ $\Delta = 85^{\circ}37'30''$ $R = 25.00'$ $L = 37.36'$ $T = 23.16'$
⑪ $\Delta = 24^{\circ}16'01''$ $R = 50.00'$ $L = 21.18'$ $T = 10.75'$	⑫ $\Delta = 152^{\circ}30'56''$ $R = 4.00'$ $L = 10.65'$ $T = 16.36'$
⑬ $\Delta = 16^{\circ}15'37''$ $R = 150.00'$ $L = 42.57'$ $T = 21.43'$	⑭ $\Delta = 16^{\circ}15'37''$ $R = 150.00'$ $L = 42.57'$ $T = 21.43'$



ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		STATION IS LOCATED 6.5 MILES NW FROM DOWNTOWN ALBUQUERQUE. ON THE NW SIDE OF STATE HWY. 448 (COORS ROAD) STATION IS A STANDARD CORPS OF ENGINEERS METAL TABLE SET IN A CONCRETE POST, 0.75 FT. ABOVE GROUND, STAMPED "ALAMEDA A NO. 2, ALBUQUERQUE DISTRICT, 1950. X = 373.513.20 Y = 1520.142.81 ELEV. = 5068.25		CONTRACTOR	
		NO.	DATE			WORKED BY	
						INSPECTOR'S	
NO.	DATE	REMARKS	BY			DATE	DATE
		REVIEWS				FIELD CHECKED BY	DATE
		DESIGN				VERIFICATION BY	DATE
DESIGNED BY	GJK	DATE	3/99			CORRECTED BY	DATE
DRAWN BY	WZV	DATE	3/99			MICRO-FILM INFORMATION	DATE
						RECORDED BY	DATE
						NO.	DATE

TT

T GROUP

EAGLE RANCH ROAD

ENTS

MO./DAY/YR.

MO./DAY/YR.

0.

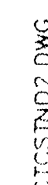
SHEET

OF

-Z

5

7



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 PERMIT 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 REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLACED, 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.

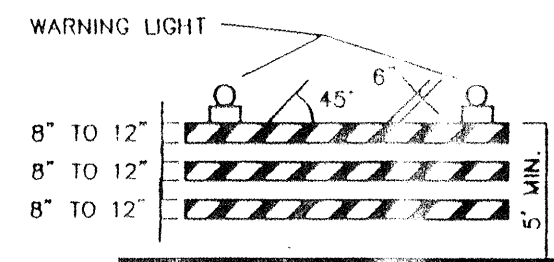
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

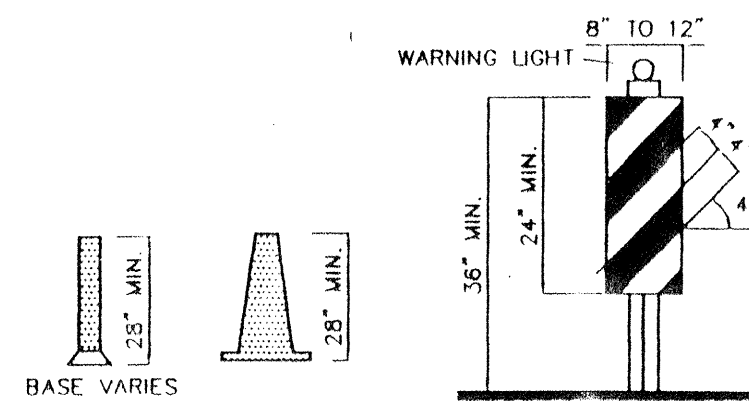
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D. **3**

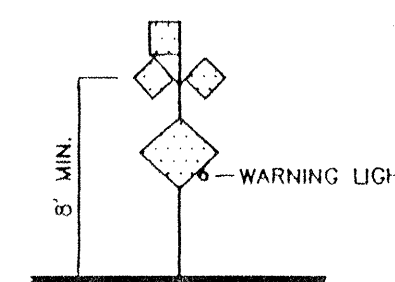
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. **4**



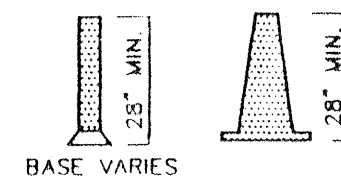
TYPE II BARRICADE



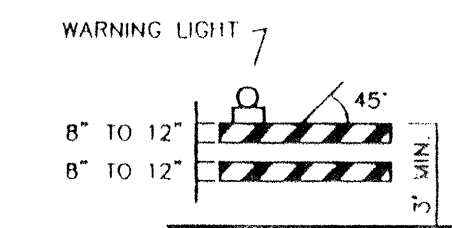
VERTICAL PANEL



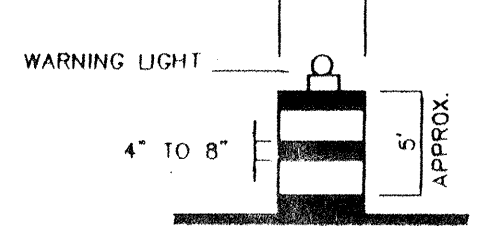
HIGH LEVEL WARNING DEVICE



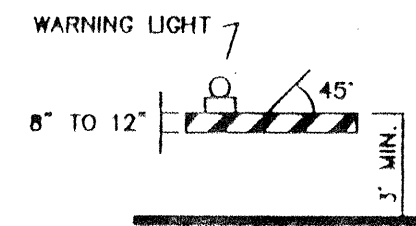
CONES



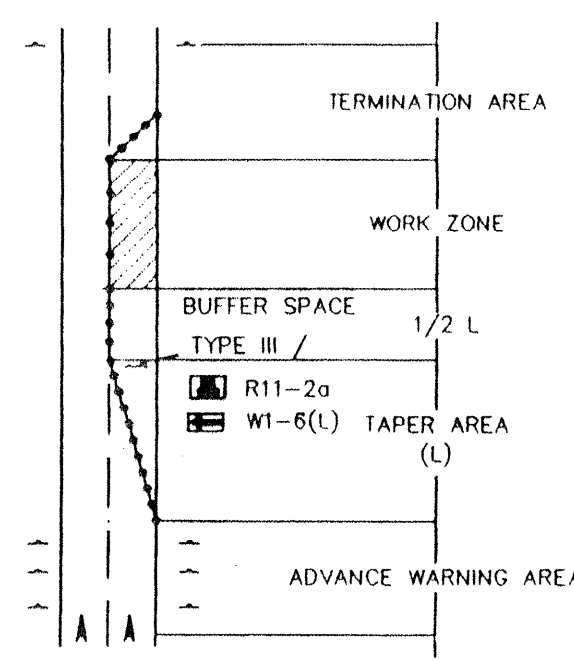
TYPE II BARRICADE



BARREL

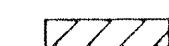


TYPE I BARRICADE



TRAFFIC CONTROL ELEMENTS

LEGEND



WORK AREA

BARRICADE - TYPE I, TYPE II, OR BARREL

BARRICADE - TYPE III

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

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

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

TAPER CRITERIA

TYPE OF TAPER TAPER LENGTH

UPSTREAM TAPER:

MERGING TAPER

SHIFTING TAPER

SHOULDER TAPER

TWO-WAY TRAFFIC TAPER

DOWNSTREAM TAPERS

L MINIMUM

1/2 L MINIMUM

1/2 L MINIMUM

100 FEET MAXIMUM

100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT

40 MPH OR LESS

45 MPH OR GREATER

$L = \frac{WS^2}{60}$

$L = W \times S$

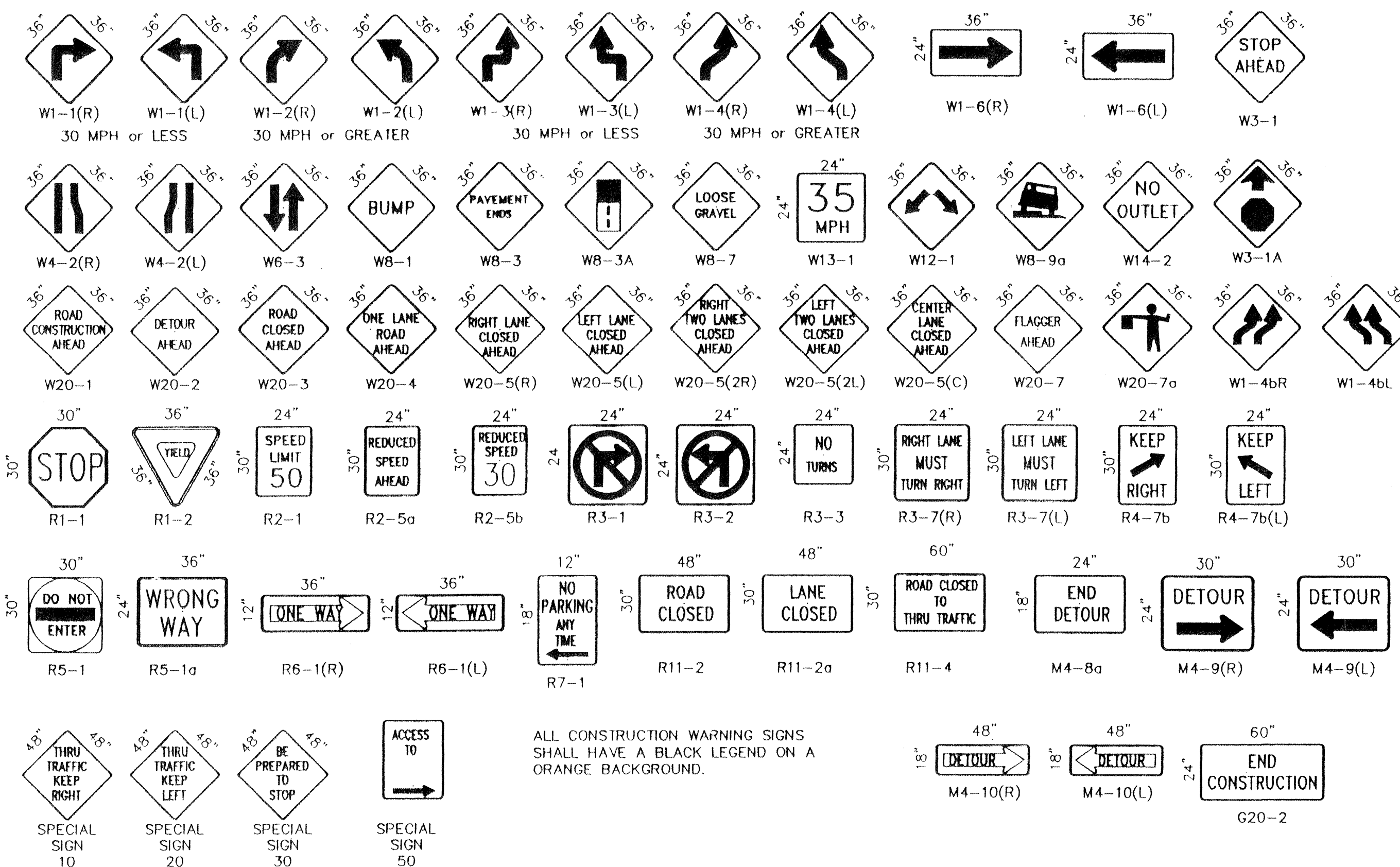
L = TAPER LENGTH

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.