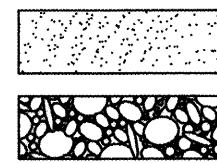


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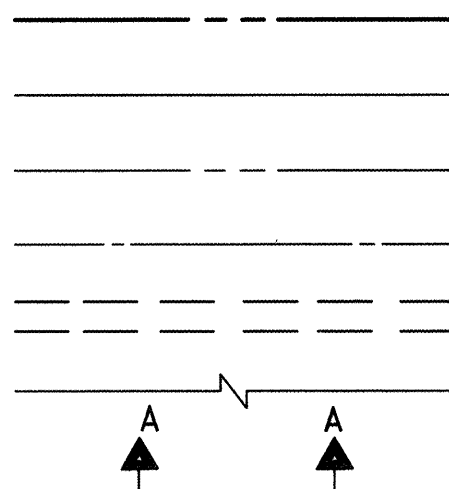
MATERIALS

CONCRETE
RIP-RAP



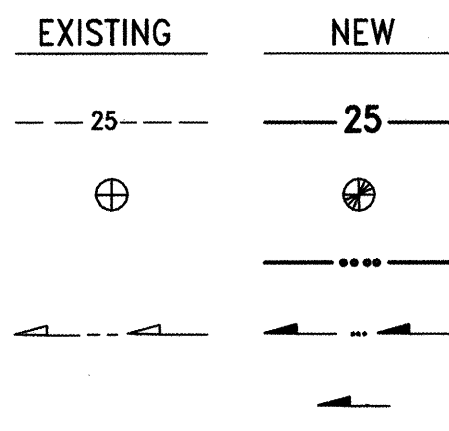
LINES

SUBDIVISION BOUNDARY
PROPERTY LINE (PLAN)
PROPERTY LINE (SECTION)
CENTERLINE
EASEMENT LINE
MATCH LINE
SECTION CUT LINE



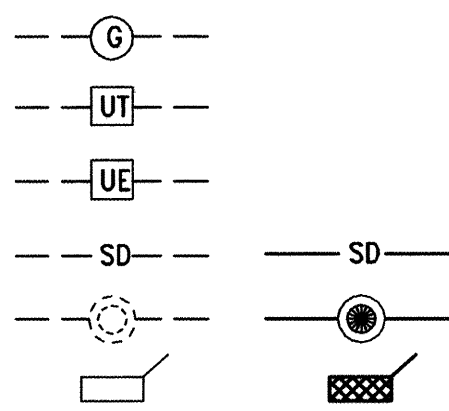
EARTHWORK

CONTOUR LINE
SPOT ELEVATION
PROJECT / PHASE BOUNDARY
FLOWLINE
DIRECTION OF FLOW



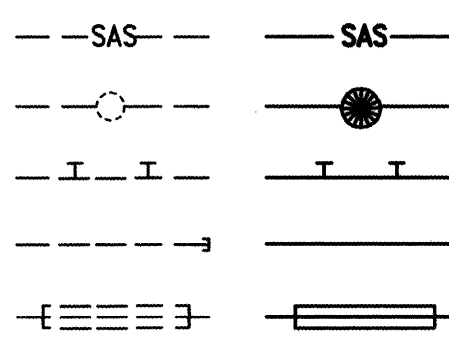
MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET



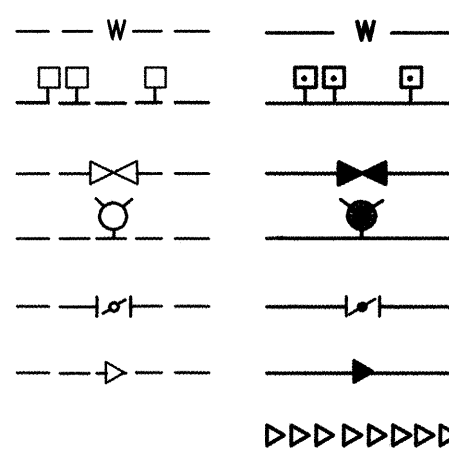
SANITARY SEWER

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTIONS
SAS CAP OR PLUG
ENCASEMENT



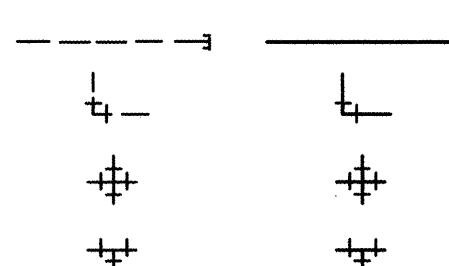
WATER

WATER LINE
WATER SERVICE CONNECTIONS
GATE VALVE
FIRE HYDRANT
BUTTERFLY VALVE
REDUCER
WATER PRESSURE ZONE BOUNDARY



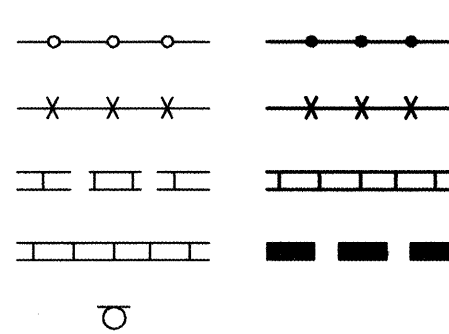
WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE



MISCELLANEOUS

CHAINLINK FENCE
FIELD FENCE
COMMON YARD WALL
RETAINING WALL
POWER OR TELEPHONE POLE



CONSTRUCTION PLANS for DESERT RIDGE PLACE, HOLLY AVENUE N.E. IMPROVEMENTS

ALBUQUERQUE, NEW MEXICO
APRIL, 2003

INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
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6 - 7	DRB APPROVED GRADING PLANS (UNITS 1 & 2)
8	PAVING AND STORM DRAINAGE SITE PLAN
9	SECTIONS AND DETAILS
10	PAVING AND STORM DRAINAGE IMPROVEMENTS STA 19+91.51 TO STA 28+50
11	PAVING IMPROVEMENTS STA 28+50 TO STA 36+42.89
12	HOLLY AVENUE N.E. STRIPING AND SIGNAGE PLAN
13	WATER AND SANITARY SEWER SITE PLAN; WATER VALVE SHUTOFF PLAN
14	WATER AND SANITARY SEWER LINE EXTENSIONS STA 19+91.51 TO STA 28+50
15	WATER LINE EXTENSION STA 28+50 TO STA 29+88
15A	WATER AND SANITARY SEWER LINE EXTENSIONS- DESERT SHADOW WAY/DESERT FINCH LANE
16	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
17	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC., HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE ORIGINAL DESIGN INTENT OF THE CITY ENGINEER APPROVED PLANS WITH THE EXCEPTION OF THE WORK IN DESERT SHADOW WAY NE AND DESERT FINCH LANE NE (SHEET 15A). THE WORK ON SHEET 15A HAS BEEN COMPLETED FOR THE PURPOSES OF PARTIAL ACCEPTANCE/UTILIZATION AND SHALL BE COMPLETED FOR FINAL ACCEPTANCE AS PART OF CITY PROJECT NO. 694881. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY ENGINEER EXCEPTING DESERT SHADOW WAY NE AND DESERT FINCH LANE NE (SHEET 15A).

JEFFREY G. MORTENSEN, NMPE 8547

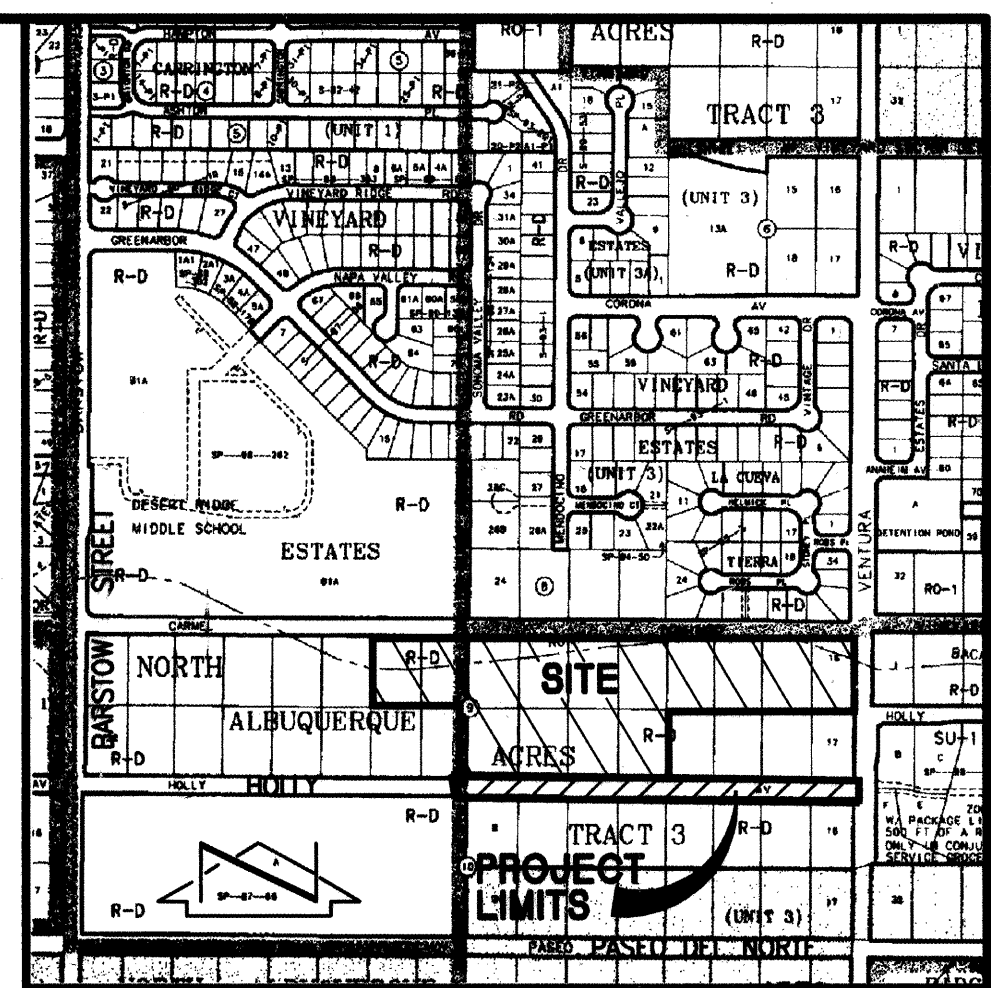
DATE

07/26/2003



RECORD DRAWING

DRB PROJECT #1001543



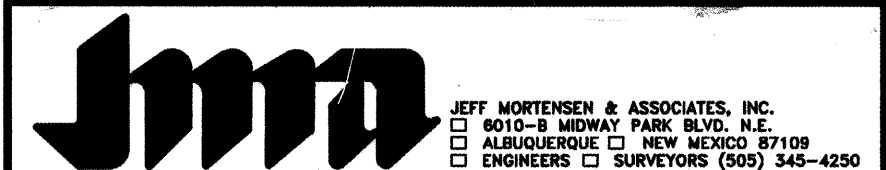
VICINITY MAP
SCALE: 1" = 750'

C-20

GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS-PUBLIC WORKS CONSTRUCTION-1986 - UPDATE NO. 6.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, (ALBUQUERQUE AREA) 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED REASONABLE INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION MAY NOT BE CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH, INCLUDING OSHA 29 CFR 1926, SUBPART P-EXCAVATIONS.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEEPENED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN SEVEN (7) WORKING DAYS ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION. THE WATER SYSTEM DIVISION PHONE NUMBER IS 857-8200.
- CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION PLAN 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 (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET.
- CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- THIS PROJECT HAS A VERTICAL "PROJECT DATUM" THAT VARIES FROM THE C.O.A. DATUM BY 0.13 FEET. SEE BENCHMARK INFO ON P&P SHEETS FOR EXPLANATION.

2003.030.2
2001.060.9



REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	*****		
		DRC Chairman		4-29-03		APPROVED FOR CONSTRUCTION			
		Transportation		4/29/03					
		Water/Wastewater		4/29/03					
		Hydrology		4/29/03					
		C.I.P.		4/29/03					
Const. Mngmt.		4-29-03		City Engineer		Date			
Const. Coord.		4-29-03		City Project No.		694882		SHEET 1 OF 17	

SUBDIVISION PLAT OF
DESERT RIDGE PLACE, UNIT 1

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
SEPTEMBER, 2002

KEYED NOTES

RIGHT-OF-WAY DEDICATION AND NEW EASEMENTS

- ① PRIVATE ACCESS, PRIVATE STORM DRAINAGE, AND CITY OF ALBUQUERQUE PUBLIC WATERLINE AND PUBLIC SANITARY SEWER EASEMENTS GRANTED BY THIS PLAT TO SERVE PARCELS 2, 4 AND 5, AND LOTS 1-61, UNIT 1 (SEE GENERAL NOTE 9)
- ② PUBLIC STORM DRAINAGE RIGHT-OF-WAY DEDICATED IN FEE SIMPLE TO THE CITY OF ALBUQUERQUE BY THIS PLAT (1.3085 ACRES ±)
- ③ 20' PRIVATE STORM DRAINAGE EASEMENT GRANTED BY THIS PLAT TO SERVE PARCEL 1, UNIT 1. MAINTENANCE OF THIS EASEMENT SHALL BE THE RESPONSIBILITY OF THE UNDERLYING PROPERTY OWNER'S ASSOCIATION
- ④ NOT USED
- ⑤ 10' PRIVATE TRAIL ACCESS EASEMENT GRANTED BY THIS PLAT TO SERVE LOTS 1-61, AND PARCELS 1, 4 AND 5, DESERT RIDGE PLACE, UNIT 1. MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE DESERT RIDGE PLACE HOMEOWNER'S ASSOCIATION
- ⑥ PUBLIC ACCESS EASEMENT GRANTED BY THIS PLAT
- ⑦ NOT USED
- ⑧ 20' CITY OF ALBUQUERQUE PUBLIC STORM DRAINAGE EASEMENT GRANTED BY THIS PLAT
- ⑨ 10' PUBLIC UTILITY EASEMENT GRANTED BY THIS PLAT
- ⑩ VARIABLE WIDTH PRIVATE ACCESS AND PRIVATE STORM DRAINAGE EASEMENT GRANTED BY THIS PLAT TO SERVE LOTS 1-61, AND PARCELS 1, 4 AND 5, DESERT RIDGE PLACE, UNIT 1. MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE OWNERS OF PARCEL 2, DESERT RIDGE PLACE, UNIT 1.
- ⑪ 20' PRIVATE PEDESTRIAN ACCESS EASEMENTS GRANTED BY THIS PLAT TO SERVE LOTS 1-61, AND PARCELS 1, 4 AND 5, DESERT RIDGE PLACE, UNIT 1. MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE OWNERS OF PARCEL 2, DESERT RIDGE PLACE, UNIT 1.
- ⑫ 5' PRIVATE DRAINAGE EASEMENT GRANTED BY THIS PLAT TO SERVE LOTS 15, 16 AND 17, DESERT RIDGE PLACE, UNIT 1. MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE UNDERLYING PROPERTY OWNER.
- ⑬ 5' PRIVATE DRAINAGE EASEMENT GRANTED BY THIS PLAT TO SERVE LOT 17, DESERT RIDGE PLACE, UNIT 1. MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE UNDERLYING PROPERTY OWNER.
- ⑭ PRIVATE CLEAR SIGHT VISIBILITY EASEMENT GRANTED BY THIS PLAT. NO OBJECT SHALL BE PLACED WITHIN THE EASEMENT THAT EXCEEDS THREE (3) FEET IN HEIGHT AS MEASURED FROM THE ADJACENT FLOWLINE.
- ⑮ CITY OF ALBUQUERQUE PUBLIC SANITARY SEWER EASEMENT GRANTED BY THIS PLAT
- ⑯ PRIVATE SIDEWALK EASEMENT GRANTED BY THIS PLAT TO SERVE LOTS 1-61, AND PARCELS 1, 2, 4, AND 5, DESERT RIDGE PLACE, UNIT 1. MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE UNDERLYING PROPERTY OWNER.
- ⑰ CITY OF ALBUQUERQUE PUBLIC WATER LINE EASEMENT GRANTED BY THIS PLAT
- ⑱ TEMPORARY PUBLIC VEHICULAR ACCESS EASEMENT GRANTED BY THIS PLAT TO SERVE PARCEL 1, UNIT 1. MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE DESERT RIDGE PLACE HOMEOWNER'S ASSOCIATION.

KEYED NOTES

VACATION OF PUBLIC RIGHT-OF-WAY AND EASEMENTS

- ① 25' PUBLIC WATERLINE AND PUBLIC SANITARY SEWER EASEMENT GRANTED BY PLAT 2001C-134, VACATED BY 02DRB-01123
- ② 25' PUBLIC WATERLINE AND PUBLIC SANITARY SEWER EASEMENT GRANTED BY DOCUMENT FILED 08-30-2001, BOOK 424, PAGE 982, DOC. #2001102694, VACATED BY 02DRB-01123
- ③ A.M.A.F.C.A. DRAINAGE EASEMENT GRANTED BY PLAT 2001C-134, VACATED BY 02DRB-01123. FINAL CONFIRMATION AND RELEASE OF THE A.M.A.F.C.A. DRAINAGE EASEMENT WILL BE COMPLETED UPON ISSUANCE OF A LETTER OF MAP REVISION (LOMR) BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) AND UPON ISSUANCE OF A QUITCLAIM DEED FROM A.M.A.F.C.A. TO THE UNDERLYING PROPERTY OWNER.
- ④ 60' RIGHT-OF-WAY OF CARMEL AVENUE N.E. VACATED BY 02DRB-01122 (1.1228 ACRES ±)
- ⑤ NORTHERN 2' OF RIGHT-OF-WAY OF HOLLY AVENUE N.E. VACATED BY 02DRB-01122 (0.0379 ACRES ±)
- ⑥ PUBLIC TURNAROUND ACCESS EASEMENT GRANTED BY DOCUMENT FILED 04-30-2001, BOOK A18, PAGE 6889, DOC. #2001048246, VACATED BY TERMINATION AND RELEASE OF PERMANENT EASEMENT DOCUMENT FILED 10-11-2002, BOOK A43, PAGE 1867, DOC. #2002132230
- EXISTING RIGHT-OF-WAY, EASEMENTS AND FLOODPLAIN
- ⑦ PUBLIC STORM DRAINAGE AND PUBLIC TRAIL RIGHT-OF-WAY DEDICATED BY PLAT 2001C-135 (OFF SITE)
- ⑧ 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT 2001C-135 (OFF SITE)
- ⑨ 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT 93C-140 (OFF SITE)
- ⑩ 5' FLOODWALL EASEMENT GRANTED BY PLAT 95C-195 (OFF SITE)
- ⑪ 20' DRAINAGE EASEMENT GRANTED BY PLAT 95C-195 (OFF SITE)
- ⑫ TEMPORARY DRAINAGE EASEMENT GRANTED BY PLAT 95C-195 (OFF SITE)
- ⑬ 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT 95C-195 (OFF SITE)
- ⑭ APPROXIMATE LIMITS OF 100-YEAR FLOODPLAIN AS SHOWN ON F.I.R.M. PANEL 141 OF 825, MAP NUMBER 35007C0141E, EFFECTIVE DATE APRIL 02, 2002 (SHOWN FOR INFORMATION ONLY). GLOMR PENDING, GLOMR TO FOLLOW COMPLETION OF NORTH DOMINGO BACA ARROYO CARMEL AVENUE N.E. STORM DRAIN EXTENSION CONSTRUCTION)
- MONUMENTATION
- ① FOUND #5 REBAR W/CAP STAMPED "NEW MEXICO PS 11184"
- ② CALCULATED POSITION, NO POINT SET
- ③ FOUND #5 REBAR (NO I.D.), TAGGED W/WASHER STAMPED "NMPS 11184"
- ④ FOUND CHISELED "+"
- ⑤ FOUND P.K. NAIL W/WASHER STAMPED "5823"
- ⑥ FOUND REBAR W/CAP STAMPED "LS 10283", TAGGED W/WASHER STAMPED "NMPS 11184"
- ⑦ FOUND #4 REBAR W/WASHER STAMPED "LS 10283", TAGGED W/WASHER STAMPED "NMPS 11184"



JEFF MORTENSEN & ASSOCIATES, INC.
CIVIL ENGINEER
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS (S05) 345-4250
JOB #2001.060.5 PLAT1

SHEET 3 OF 7

SP #2002 371822

SUBDIVISION PLAT OF
DESERT RIDGE PLACE, UNIT 1

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
SEPTEMBER, 2002

BOUNDARY TABLES

LINE	DIRECTION	CHORD BEARING	CHORD	DELTA
L1	S 00°14'50" W		30.00'	
L2	S 89°39'36" E		43.00'	
L3	N 00°16'48" E		30.00'	
L4	N 89°39'10" W		2.62"	
L5	S 89°39'10" E		2.62"	
L6	S 84°25'31" E		17.21'	
L7	N 84°25'31" W		12.02'	
L8	S 00°14'50" W		45.00'	
L9	NOT USED			
L10	NOT USED			
L11	NOT USED			
L12	NOT USED			
L13	NOT USED			
L14	N 89°39'10" W		3.14'	
L15	S 89°40'05" E		5.07'	
L16	S 89°39'10" E		31.54'	
CL1	S 00°20'50" W		125.00'	
CL2	S 00°20'50" W		250.00'	
CL3	S 89°39'10" E		125.15'	
CL4	S 89°39'10" E		410.00'	
CL5	S 89°39'10" E		125.00'	
CL6	S 00°20'50" W		246.46'	
CL7	S 89°39'10" E		125.44'	
CL8	S 89°39'10" E		365.86'	
CL9	S 84°25'31" E		33.35'	
CL10	S 84°25'31" E		110.69'	
CL11	S 89°39'10" E		163.38'	



RECORD DRAWING

EASEMENT TABLES

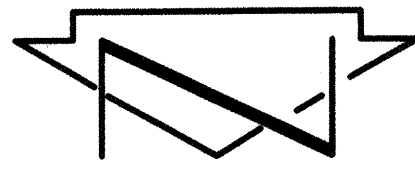
LINE	DIRECTION	DISTANCE	EASEMENT
E1	S 00°20'50" W	22.00'	9
E2	N 89°39'10" W	40.00'	9
E3	N 00°19'23" E	100.00'	9
E4	S 89°39'10" E	40.00'	9
E5	S 00°20'50" W	22.00'	9
E6	N 00°16'48" E	14.00'	30
E7	S 89°39'10" E	6.37'	30
E8	S 00°16'48" W	14.00'	30
E9	N 89°39'10" W	6.37'	30
E10	S 89°39'10" E	12.33'	29
E11	S 00°20'50" W	2.50'	29
E12	N 89°39'10" W	12.33'	29
E13	N 00°20'50" E	2.50'	29
E14	N 00°20'50" E	2.50'	29
E15	N 89°39'10" W	10.90'	27
E16	N 89°39'10" W	80.13'	27
E17	S 89°39'10" E	63.67'	27
E18	S 89°39'10" E	18.54'	27
E19	S 82°58'25" W	32.71'	27
E20	S 85°21'49" E	80.13'	27
E21	N 89°39'10" W	63.67'	27
E22	N 84°13'47" W	104.10'	27
E23	S 89°39'10" E	83.76'	27
E24	N 00°20'50" E	12.63'	29
E25	N 89°39'10" W	1.65'	29
E26	S 00°20'50" W	6.16'	29
E27	S 89°39'10" E	2.50'	29
E28	N 82°56'25" E	83.32'	27
E29	N 89°39'10" W	19.03'	27
E30	S 00°16'48" W	36.00'	9
E31	N 89°39'10" W	280.90'	9
E32	S 89°39'10" E	280.90'	9
E33	N 00°20'50" E	18.00'	32
E34	N 00°20'50" E	18.00'	32
E35	S 89°39'10" E	3.76'	32
E36	N 89°39'10" E	35.30'	32
E37	N 63°32'40" E	15.39'	3
E38	N 40°04'05" E	12.07'	5
E39	S 89°39'10" E	66.00'	5
E40	S 39°22'25" E	12.07'	5
E41	S 67°51'00" E	15.39'	5
E42	N 89°39'10" W	110.00'	5
E43	N 21°31'58" W	15.36'	5
E44	N 47°02'25" W	12.83'	5
E45	N 00°20'50" E	54.11'	5
E46	N 47°25'18" E	12.68'	5
E47	N 22°04'23" E	15.41'	5
E48	S 00°14'50" W	100.00'	5

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	EASEMENT
EC1	10.00'	15.71'	S 45°20'50" W	14.14'	90°00'00"	9
EC2	10.00'	15.71'	S 44°39'10" E	14.14'	90°00'00"	9
EC3	25.00'	11.28'	S 76°43'55" E	11.16'	25°50'33"	29
EC4	25.00'	17.88'	S 69°23'50" E	17.31'	40°30'43"	27
EC5	25.00'	14.73'	N 73°27'58" E	14.52'	33°45'45"	21
EC6	25.00'	17.68'	N 69°23'50" W	17.31'	40°30'38"	27
EC7	25.00'	22.98'	S 63°19'09" E	22.18'	52°40'02"	27
EC8	25.00'	6.54'	S 07°50'47" W	6.53'	14°59'54"	29
EC9	25.00'	14.87'	S 73°18'08" W	14.66'	34°05'24"	27
EC10	45.00'	245.71'	S 00°20'50" W	36.00'	312°50'37"	32



JEFF MORTENSEN & ASSOCIATES, INC.
CIVIL ENGINEER
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS (S05) 345-4250
JOB #2001.060.5 PLAT1

SHEET 4 OF 7



SCALE: 1" = 50'

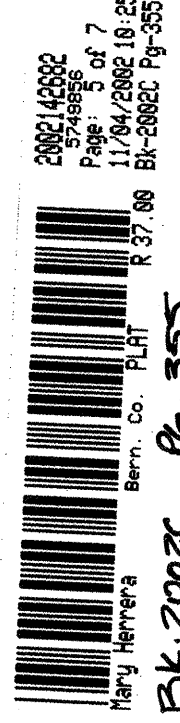


NOTE: FOR BOUNDARY TABLES AND EASEMENT TABLES SEE SHEET 4 OF 7. FOR KEYED NOTES SEE SHEET 3 OF 7.

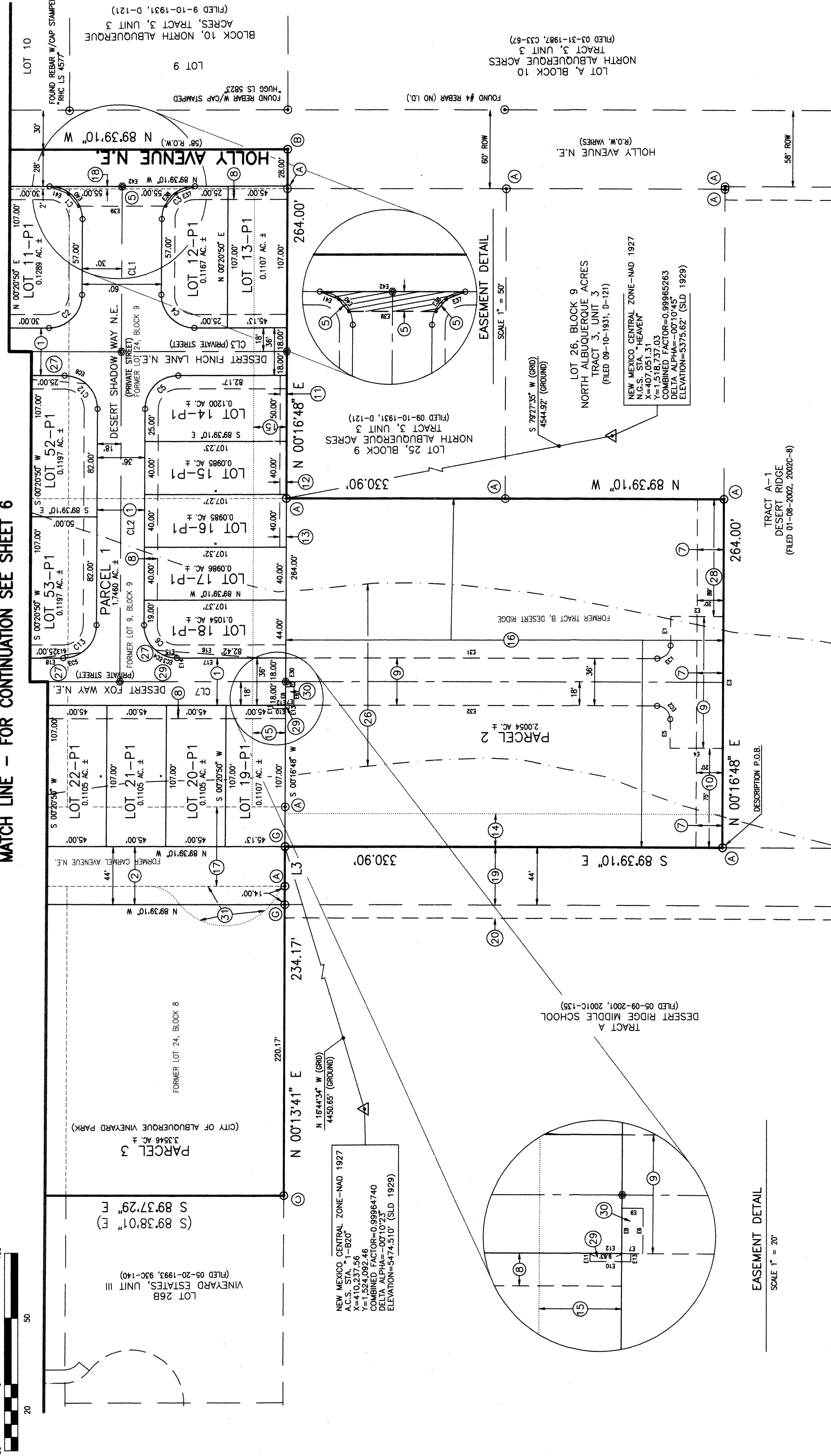
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DESERT RIDGE PLACE, UNIT 1ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
SEPTEMBER, 2002

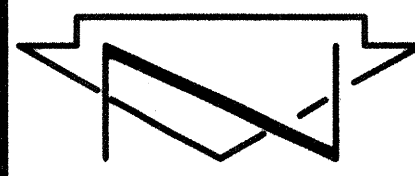
COUNTY CLERK FILING DATA

200214502
Plat # 1 of 7
11/04/2002 10:29
R 37.06 BK-2002C Pg-355

MATCH LINE - FOR CONTINUATION SEE SHEET 6

JEFF MORTENSEN & ASSOCIATES, INC.
6000-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS SURVEYORS (CNS) 343-4250
JOB #2001.060.5 PLAT 1

SHEET 5 OF 7



SCALE: 1" = 50'

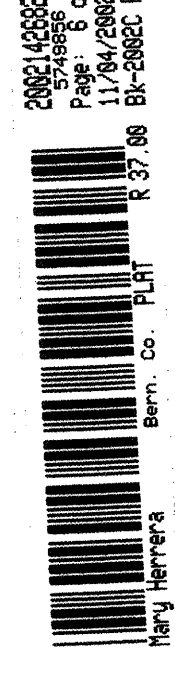


NOTE: FOR BOUNDARY TABLES AND EASEMENT TABLES SEE SHEET 4 OF 7. FOR KEYED NOTES SEE SHEET 3 OF 7.

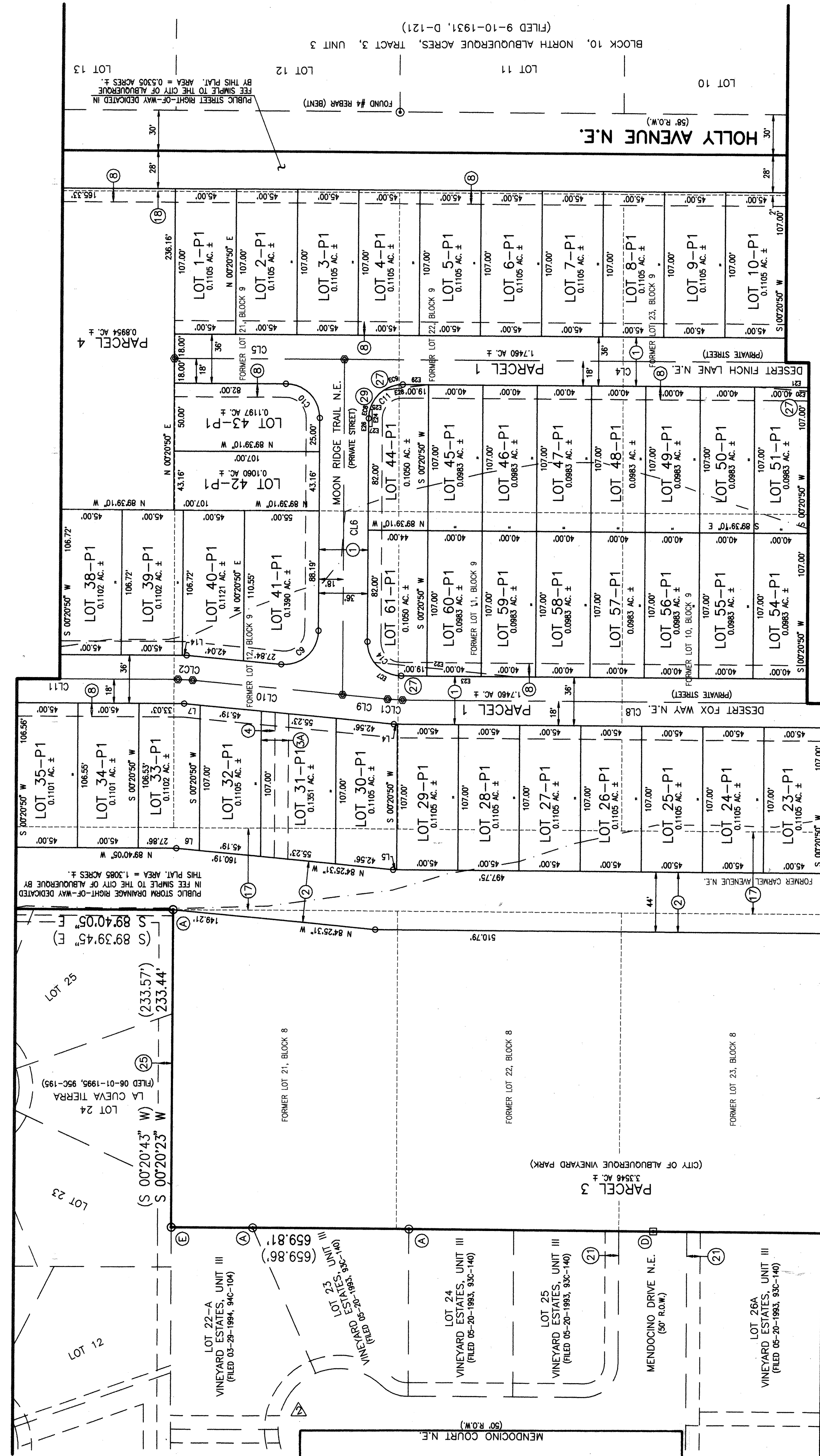
SUBDIVISION PLAT OF

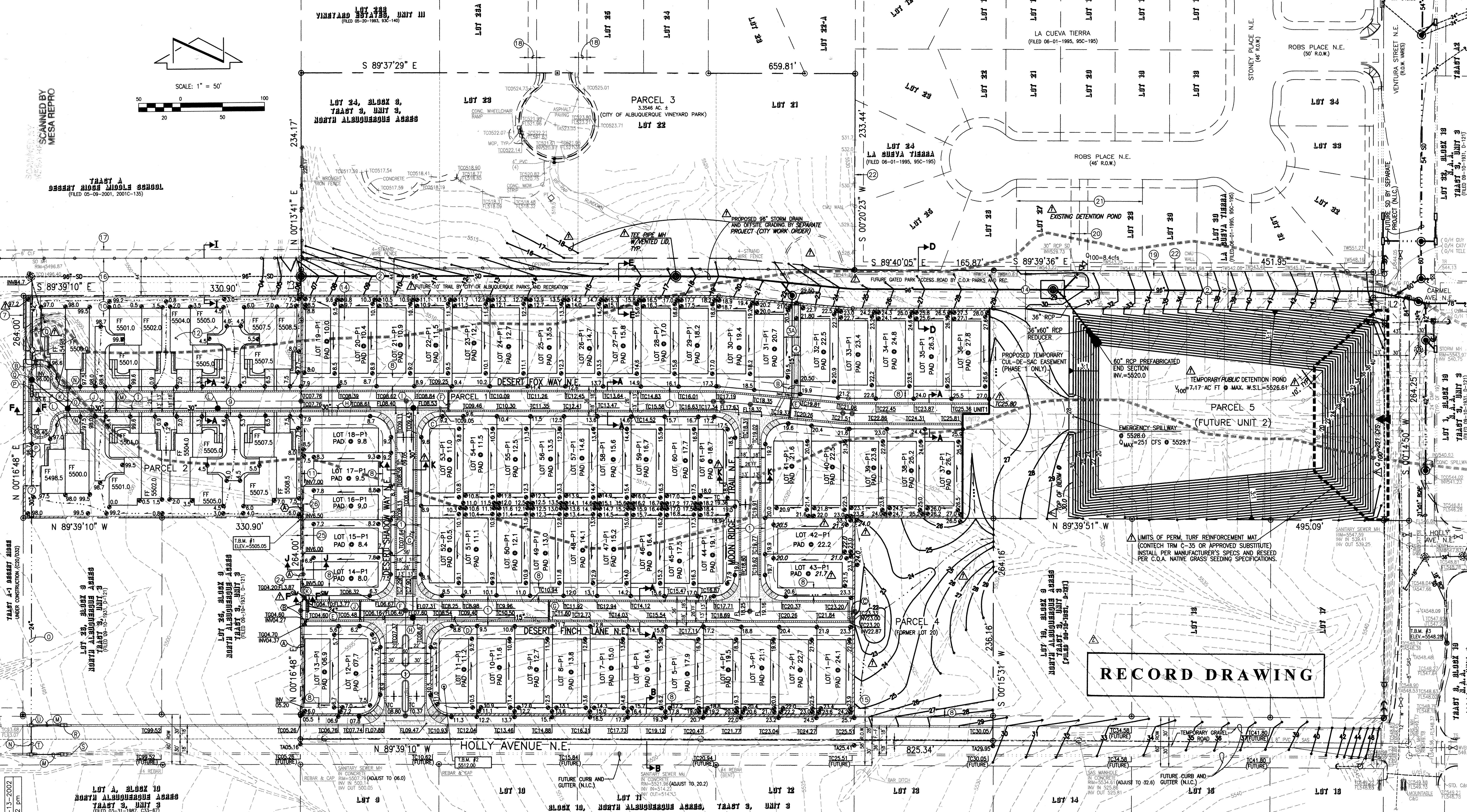
DESERT RIDGE PLACE, UNIT 1ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
SEPTEMBER, 2002

COUNTY CLERK FILING DATA

200214502
Plat # 1 of 7
11/04/2002 10:29
R 37.06 BK-2002C Pg-355

MATCH LINE - FOR CONTINUATION SEE SHEET 7





RECORD DRAWING

THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS ARE SHOWN HEREON FOR ORIENTATION PURPOSES ONLY. TOPOGRAPHIC DATA IS TAKEN FROM NOVEMBER, 2001, SURVEY CONDUCTED BY THIS OFFICE

- STORM DRAINAGE KEYED NOTES**
- (A) CONSTRUCT 2'-0" PRIVATE CONCRETE RUNDOWN PER TYPICAL SECTION, SHEET 5
 - (B) CONSTRUCT 24" SIDEWALK CULVERT SIMILAR TO C.O.A. STD. DWG. 2236 (4' HEIGHT)
 - (C) CONSTRUCT MOUNTABLE CURB RUNDOWN AT WALL OPENING PER TYPICAL SECTION, SHEET 5 ($Q_{100}=4.3$ CFS)
 - (D) NOT SHOWN (SEE UNIT 2)
 - (E) CONSTRUCT NEENAH R-4999-L3 TRENCH DRAIN (14") INV OUT 15.70

- (F) CONSTRUCT NEENAH R-4999-L3 TRENCH DRAIN (14") INV OUT 4.0
- (G) CONSTRUCT NEENAH R-4999-L3 TRENCH DRAIN (14") INV OUT 7.10
- (H) CONSTRUCT 4" DIA. SDMH INV IN 100.65(E), INV IN 99.70(W), INV OUT 99.40
- (I) CONSTRUCT 4" DIA. SDMH INV IN 99.7(E), INV IN 98.2(S) INV OUT 97.9

- (J) CONSTRUCT NEENAH R-4999-L6 TRENCH DRAIN (24") INV IN 00.50, INV OUT 00.30
- (K) CONSTRUCT QUADRUPEL "D" STORM INLET INV OUT 01.10
- (L) CONSTRUCT 4" DIA. SDMH INV IN 96.5, INV OUT 96.2
- (M) CONSTRUCT NEENAH R-4999-L3 TRENCH DRAIN (14") INV IN 91.6, INV OUT 91.4
- (N) CONSTRUCT NEENAH R-3501-T ROLL CURB INLET INV 93.0

- (O) CONSTRUCT 6" DIA. SDMH INV IN 89.3(E), INV IN 90.8(N&S) INV OUT 89.0
- (P) CONSTRUCT QUADRUPEL "D" STORM INLET INV IN 86.2, INV OUT 85.9
- (Q) CONSTRUCT 6" DIA. SDMH INV IN 85.7(S), INV IN 85.9(SE), INV OUT 85.5
- (R) FUTURE TYPE "A" STORM INLET INV 93.0

- NOTES**
- 1. SEE SHEET 4 FOR BASIN MAP AND STORM DRAIN SCHEDULE
 - 2. SEE SHEET 5 FOR SECTIONS AND DETAILS
 - 3. SEE SHEET 1 FOR EASEMENT AND R.O.W. KEYED NOTES
 - 4. IMPROVEMENTS LABELED OR SHOWN HEREON AS FUTURE ARE TO BE CONSTRUCTED AT A LATER DATE BY SEPARATE PROJECT AND ARE NOT REQUIRED FOR UNIT 1 CONSTRUCTION.

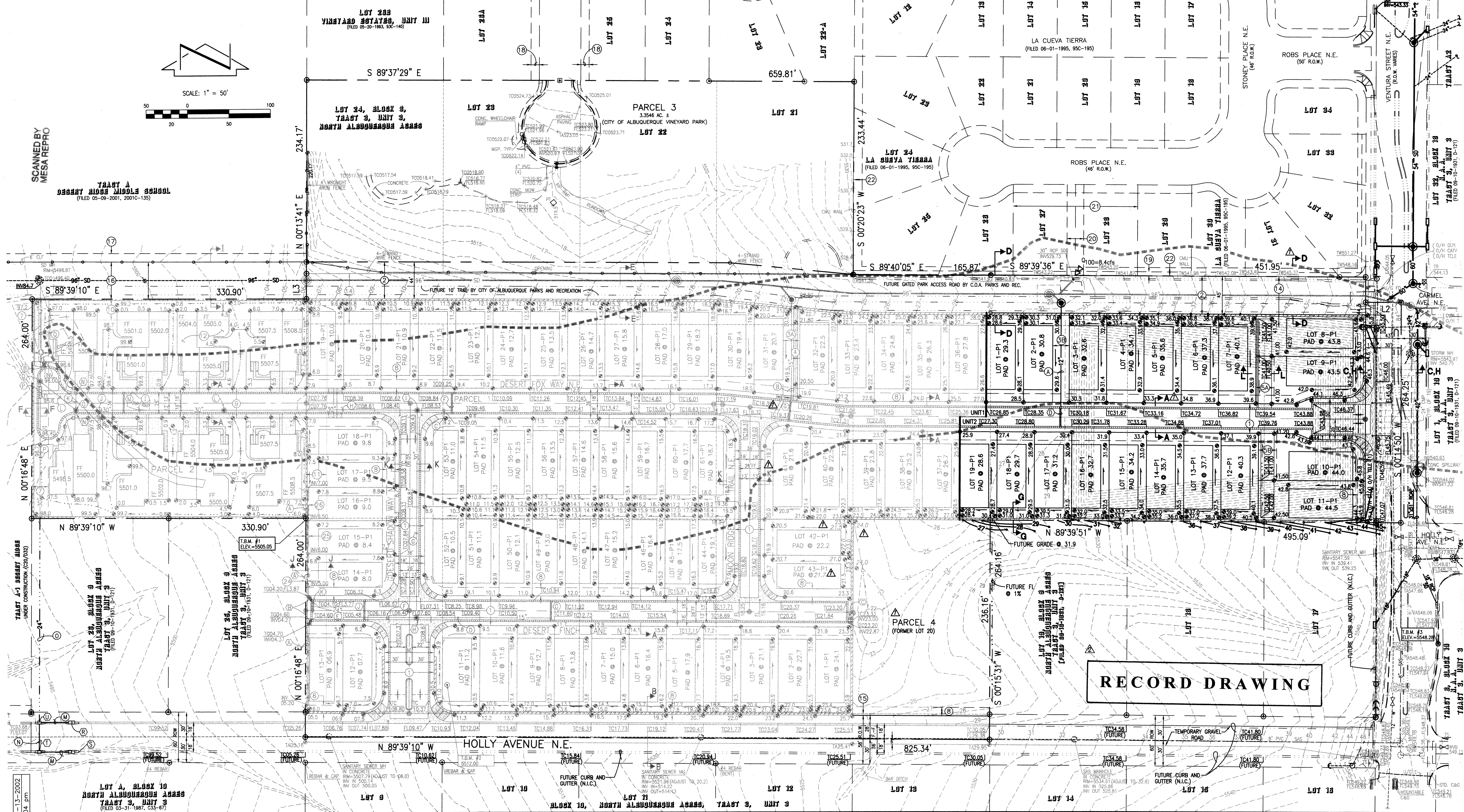
JMA JEFF MORTENSEN & ASSOCIATES, INC.
4000-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (505) 345-4250
FAX: 505 345-4254 E-MAIL: jma@jma-inc.com

ROUGH GRADING APPROVAL
CITY HYDROLOGY DATE

GRADING PLAN
DESERT RIDGE PLACE - UNIT 1

DESIGNED BY	DATE	BY	REVISIONS	JOB NO.
G.M.	08/02	G.M.	REVISE FLOODPLAIN, KEYED NOTES, ADD VARIOUS CLARIFICATIONS.	2003.030.2
JLPJR	08/02	JLPJR	PARCEL 4 GRADING, LOTS 42-43. ADD FUTURE TRAIL AND ACCESS ROAD.	2001.060.6
J.G.M.	08/02	J.G.M.	RECORD DRAWING.	07-2002
				6 OF 17
				(SITE PLAN SHEET G1)

PROFESSIONAL ENGINEER
J. GRAEME MEANS
NEW MEXICO
13676
08-14-02



THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS ARE SHOWN HEREON FOR ORIENTATION PURPOSES ONLY. TOPOGRAPHIC DATA IS TAKEN FROM NOVEMBER, 2001, SURVEY CONDUCTED BY THIS OFFICE. GRADES PROPOSED FOR UNIT 1 (SHT 2) ARE SHOWN HEREON AS "EXISTING".

STORM DRAINAGE KEYED NOTES

(A) CONSTRUCT 2'-0" PRIVATE CONCRETE ROUNDOFF PER TYPICAL SECTION, SHEET 5

(B) CONSTRUCT 24" SIDEWALK CULVERT SIMILAR TO C.O.A. STD. DWG. 2236 (4" HEIGHT)

(C) CONSTRUCT MOUNTABLE CURB ROUNDOFF AT WALL OPENING PER TYPICAL SECTION, SHEET 5 (Q₁₀₀=4.3 CFS)

(D) CONSTRUCT NEENAH R-4999-L3 TRENCH DRAIN (14") INV OUT 26.10

(E) CONSTRUCT NEENAH R-4999-L3 TRENCH DRAIN (14") INV OUT 15.70

(F) CONSTRUCT NEENAH R-4999-L3 TRENCH DRAIN (14") INV OUT 4.0

(G) CONSTRUCT NEENAH R-4999-L3 TRENCH DRAIN (14") INV OUT 7.10

(H) CONSTRUCT 4" DIA. SDMH INV IN 100.65(E), INV IN 99.70(W), INV OUT 99.40

(I) CONSTRUCT 4" DIA. SDMH INV IN 99.7(E), INV IN 98.2(S) INV OUT 97.9

(J) CONSTRUCT NEENAH R-4999-L6 TRENCH DRAIN (24") INV IN 00.50, INV OUT 00.30

(K) CONSTRUCT QUADRUPLER "D" STORM INLET INV OUT 01.10

(L) CONSTRUCT 4" DIA. SDMH INV IN 96.5, INV OUT 96.2

(M) CONSTRUCT NEENAH R-4999-L3 TRENCH DRAIN (14") INV IN 91.6, INV OUT 91.4

(N) CONSTRUCT NEENAH R-3501-T ROLL CURB INLET INV OUT 93.0

(O) CONSTRUCT 6" DIA. SDMH INV IN 89.3(E), INV IN 90.8(N&S) INV OUT 89.0

(P) CONSTRUCT QUADRUPLER "D" STORM INLET INV IN 86.2, INV OUT 85.9

(Q) CONSTRUCT 6" DIA. SDMH INV IN 85.7(S), INV IN 85.9(SE), INV OUT 85.5

(R) FUTURE TYPE "A" STORM INLET INV 93.0

(S) FUTURE TYPE "A" STORM INLET INV OUT 90.0

(T) FUTURE TYPE "C" STORM INLET INV IN 88.6, INV OUT 88.4

(U) FUTURE TYPE "C" STORM INLET INV IN 89.1(S), INV IN 89.1(E) INV OUT 88.9

NOTES

1. SEE SHEET 4 FOR BASIN MAP AND STORM DRAIN

2. SEE SHEET 5 FOR SECTIONS AND DETAILS

3. SEE SHEET 1 FOR EASEMENT AND R.O.W. KEYED NOTES

4. IMPROVEMENTS LABELED OR SHOWN HEREON AS FUTURE ARE TO BE CONSTRUCTED AT A LATER DATE BY SEPARATE PROJECT AND ARE NOT REQUIRED FOR UNIT 2 CONSTRUCTION.

OFFSITE GRADING APPROVAL

LOTS 17-19, BLOCK 9, TRACT 3, UNIT 3, NORTH ALBUQUERQUE ACRES

DESIGNED BY: G.M.

DRAWN BY: J.L.P.R.

APPROVED BY: J.G.M.

OWNER: DATE:

REVISIONS

NO.	DATE	BY	REVISIONS
1	08/02	G.M.	REVISE FLOODPLAIN, KEYED NOTES, ADD VARIOUS CLARIFICATIONS.
2	01/03	J.G.M.	RECORD DRAIVING.

JOB NO. 2003.030.2
2001.060.6

DATE 07-2002

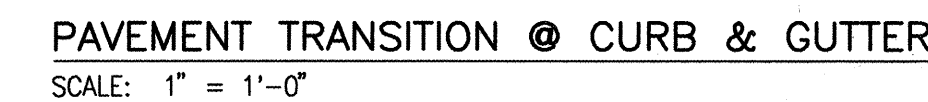
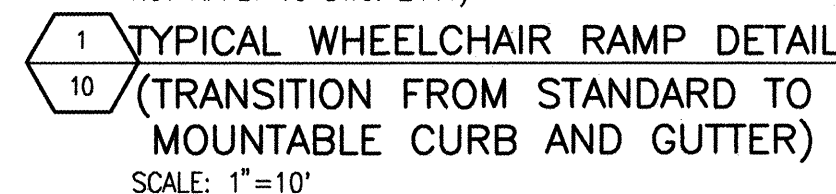
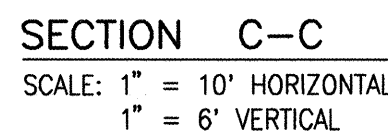
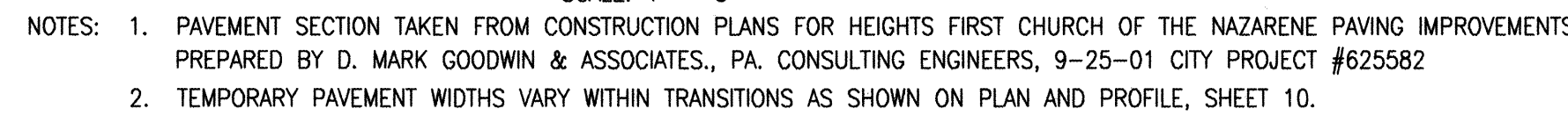
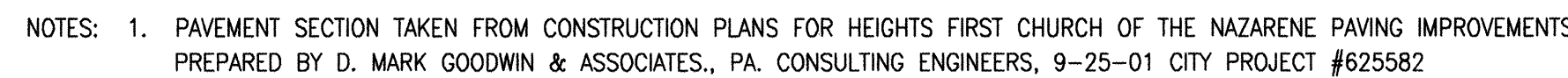
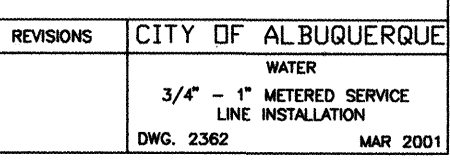
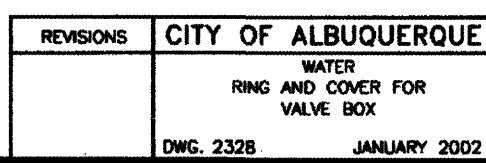
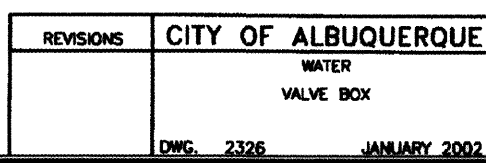
SHEET 7 OF 17
(SITE PLAN SHEET C2)

JEFF MORTENSEN & ASSOCIATES, INC.

6010-B MIDWAY PARK BLVD. NE
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (505) 345-4250
FAX 505 345-4254 Email: jma@jma-inc.com

CITY HYDROLOGY

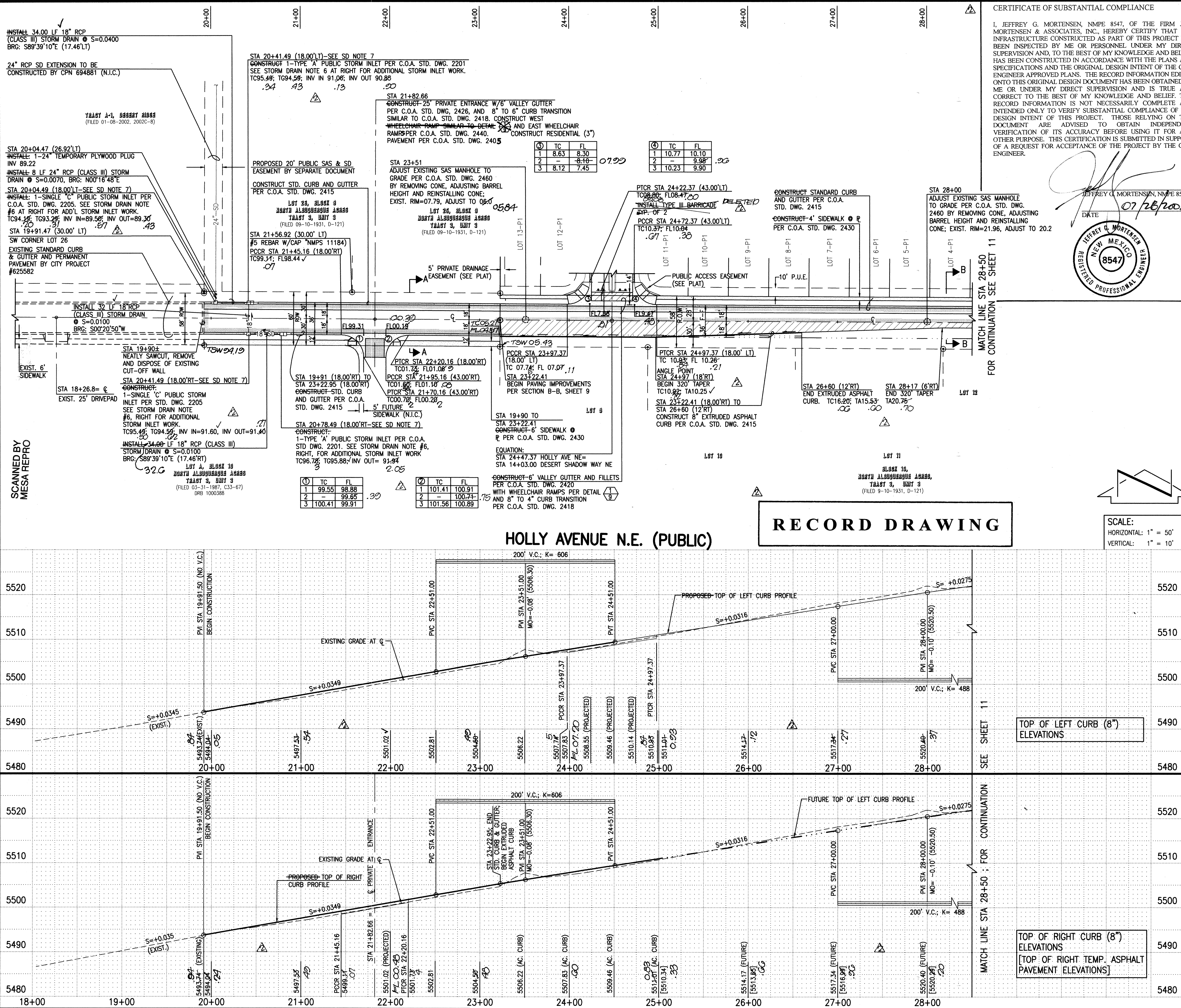
DATE



NOTE: ALL SUBGRADE MATERIAL SHALL HAVE A MINIMUM R-VALUE OF 50 PER C.O.A. SPECIFICATION SECTION 301. SOIL NOT HAVING THE MINIMUM R-VALUE OF 50 SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH SUITABLE MATERIAL, OR, A PAVEMENT SECTION SHALL BE DESIGNED BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER C.O.A. STANDARD SPECIFICATIONS.

RECORD DRAWING

[illegible]



CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC., HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE ORIGINAL DESIGN INTENT OF THE CITY ENGINEER APPROVED PLANS. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE, AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY ENGINEER.

JEFFREY G. MORTENSEN, NMPE 8547
DATE: 07/28/2003

NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
8547

STREET PAVING IMPROVEMENTS:

- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE STATIONING.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER AND SIDEWALK SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR REPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR PER C.O.A. STD. DWG'S. 2415 AND 2430, RESPECTIVELY AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
- ALL WHEELCHAIR RAMPS MUST BE CONSTRUCTED UNDER THIS WORK ORDER.
- ALL CURB AND GUTTER SHOWN HEREON SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DRAWING 2415 UNLESS OTHERWISE NOTED.
- UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS WITHIN PUBLIC RIGHT-OF-WAY.
- REFER TO SHEET 9 FOR PAVING SECTIONS AND DETAILS.
- STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE. SEE SHEET 12 FOR STRIPING AND SIGNAGE PLANS.

STORM DRAIN NOTES:

- ALL STORM DRAIN SHALL BE CLASS III REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE NOTED.
- ALL STATIONING SHOWN HEREON IS BASED ON STREET CENTERLINE UNLESS OTHERWISE NOTED. SLOPES ARE BASED ON TRUE LENGTH OF PIPE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- FOR STORM DRAIN CONSTRUCTION, RCP JOINTS SHALL NOT BE GROUDED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUDED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
- ALL STORM INLETS SHALL BE TEMPORARILY BLOCKED UNTIL THE DOWNSTREAM IMPROVEMENTS ARE IN PLACE AND OPERATIONAL. AS PART OF THIS CONTRACT, THE CONTRACTOR SHALL INSTALL A PLYWOOD Baffle WITHIN THE INLET CHAMBER TO BLOCK THE INLET/OUTLET PIPE OPENINGS, FILL THE INLET CHAMBER WITH SANDBAGS TO WITHIN SIX INCHES OF THE BOTTOM OF GRATE FRAME, COMPACT SIX INCHES CLEAN SAND OVER SANDBAGS TO BOTTOM OF GRATE FRAME, THEN INSTALL FOUR INCHES TEMPORARY ASPHALTIC CONCRETE PAVING WITHIN GRATE FRAME AREA (DO NOT INSTALL GRATES). THE INLET THROAT SHALL BE PACKED WITH SANDBAGS AND SEALED WITH FOUR INCHES TEMPORARY ASPHALTIC CONCRETE PAVING TO PROJECTED FACE OF CURB. THE CONTRACTOR SHALL PROVIDE THE GRATES TO THE CITY OF ALBUQUERQUE AT THE FINAL INSPECTION. ALL OF THE ABOVE IS INCIDENTAL TO THE CONSTRUCTION OF THE STORM INLETS, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- STORM INLET STATIONS ARE MEASURED TO THE LONGITUDINAL CENTER OF THE INLET BOX. THE OFFSET GIVEN IS A PROJECTION OF THE FACE OF CURB AND IS NOT THE CENTER OF BOX OR OF THE GRATE. PLEASE REFER TO THE CITY STANDARD DETAILS FOR INLET DIMENSIONS AND RELATIONSHIP BETWEEN FACE OF CURB AND INLET.

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
1	25.00	39.27	90°00'00"
2	25.00	39.27	90°00'00"
3	25.00	39.27	90°00'00"
4	25.00	39.27	90°00'00"

LEGEND

- NEW PERMANENT ASPHALT PAVEMENT
- NEW CONCRETE
- NEW TEMPORARY ASPHALT PAVEMENT (4" THICK) PER CITY OF ALBUQUERQUE STD. DWG. 2415
- NEW STANDARD CURB AND GUTTER PER C.O.A. STD. DWG. 2415

ENGINEER'S SEAL

JEFF MORTENSEN & ASSOCIATES, INC.
1000-3 MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, NM 87109
ENGINEER'S C. SURVEYORS (505) 345-4258
FAX (505) 345-4254 E-mail: jma@jma-inc.com

2001.060.9 2003.030.2

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
DESERT RIDGE PLACE
HOLLY AVENUE N.E. IMPROVEMENTS
PAVING AND STORM DRAINAGE IMPROVEMENTS STA 19+91.15 TO STA 28+50

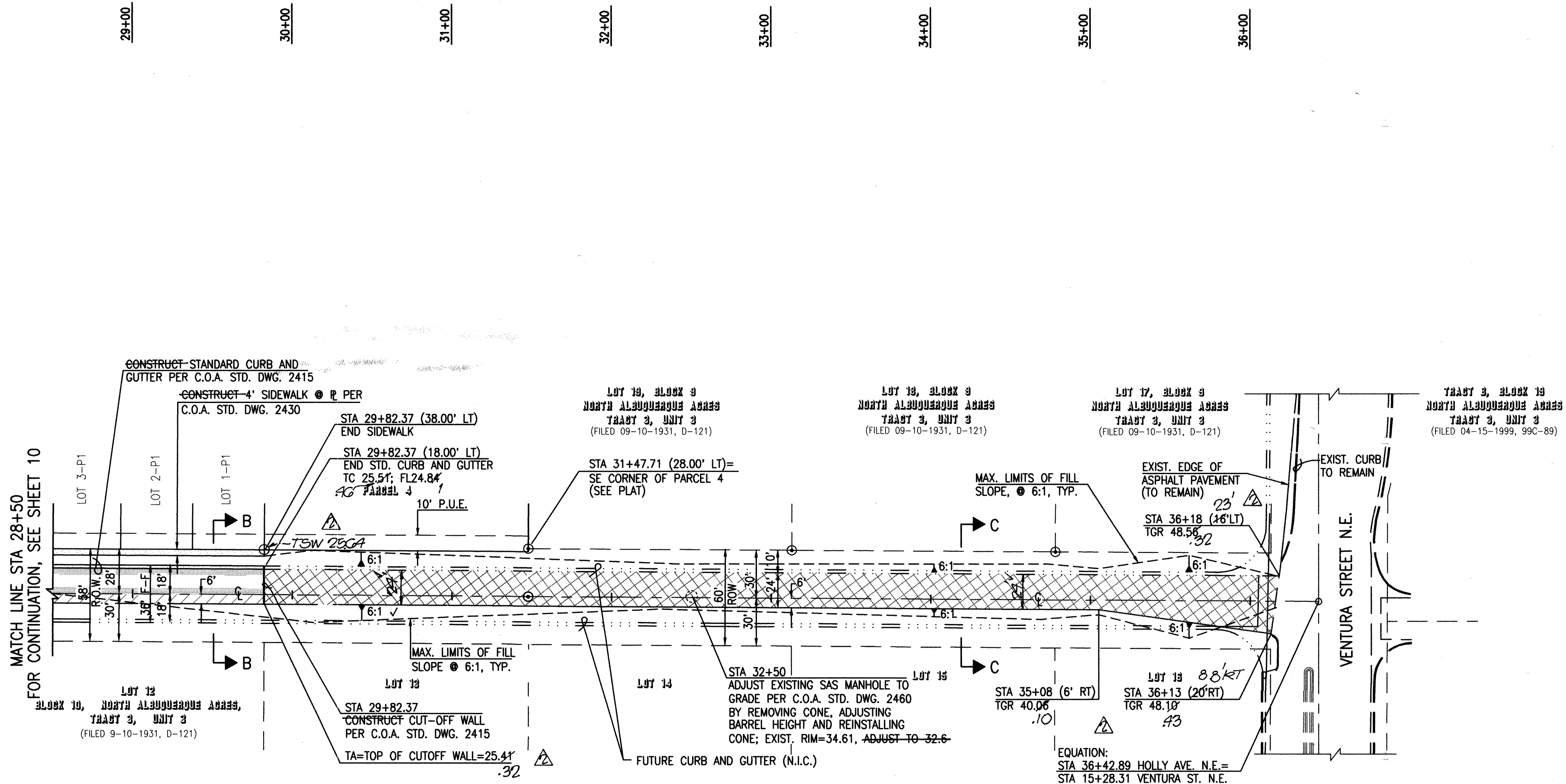
DESIGN REVIEW COMMITTEE

NO.	DATE	REMARKS
1	04-24-2003	DESIGN
2	04-24-2003	DESIGN
3	04-24-2003	DESIGN

DESIGNER'S SEAL

Designed By: G.M./C.J.S.
Drawn By: S.G.H.
Checked By: G.M./J.G.M.

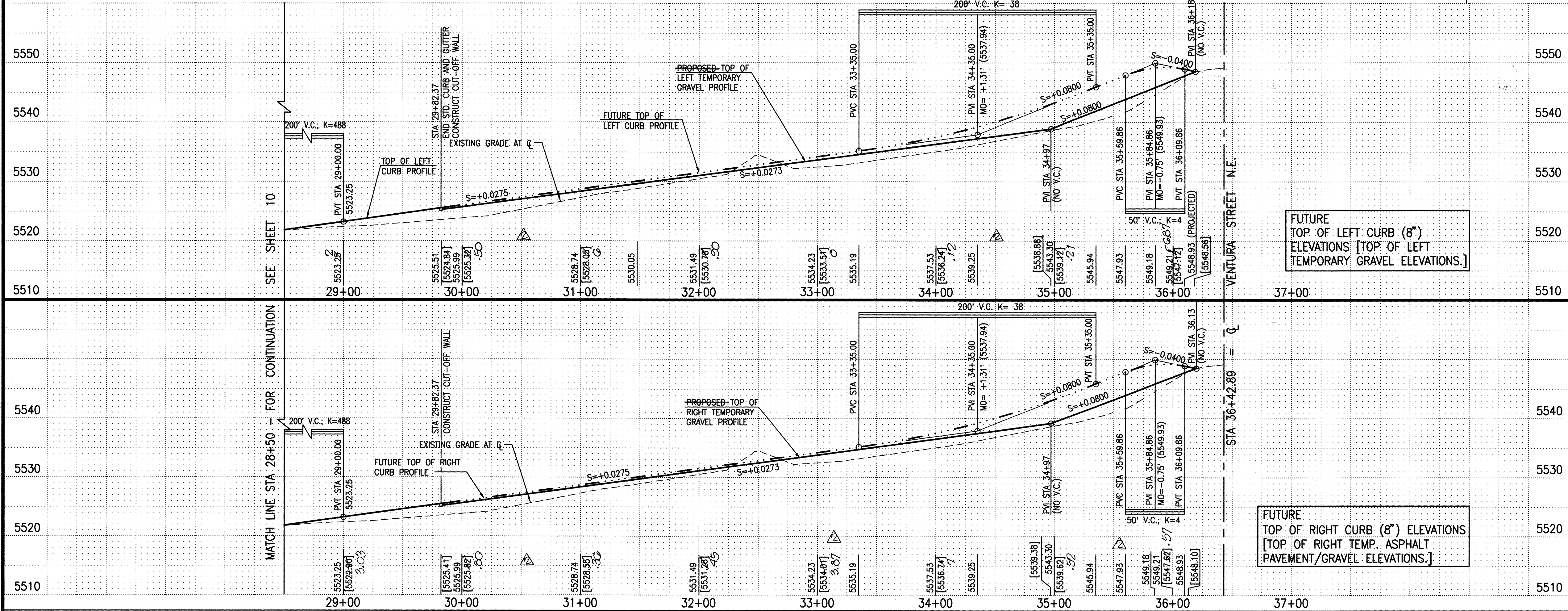
SCANNED BY
MESA REPRO



RECORD DRAWING

HOLLY AVENUE N.E. (PUBLIC)

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'



ELEVATIONS ARE IN NGVD 1929

- STREET PAVING IMPROVEMENTS:
- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE STATIONING EXCEPT CUL-DE-SACS AND EYEBROWS WHERE STATIONING IS ALONG FACE-OF-CURB.
 - WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER AND SIDEWALK SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR PER C.O.A. STD. DWG'S. 2415 AND 2430, RESPECTIVELY, AT THE CONTRACTOR'S EXPENSE.
 - ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
 - SIDEWALKS SHOWN HEREON AS "DEFERRED" SHALL BE CONSTRUCTED UNDER SEPARATE PERMIT (BUILDING PERMIT).
 - ALL WHEELCHAIR RAMPS MUST BE CONSTRUCTED UNDER THIS WORK ORDER.
 - ALL CURB AND GUTTER SHOWN HEREON SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DRAWING 2415 UNLESS OTHERWISE NOTED.
 - UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS WITHIN PUBLIC RIGHT-OF-WAY.
 - REFER TO SHEET 9 FOR PAVING SECTIONS AND DETAILS.
 - STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE. SEE SHEET 12 FOR STRIPING AND SIGNAGE PLAN.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC. HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE ORIGINAL DESIGN INTENT OF THE CITY ENGINEER APPROVED PLANS. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY ENGINEER.

DATE: 07/28/2003

JEFFREY G. MORTENSEN, NMPE 8547

REGISTERED PROFESSIONAL ENGINEER

NEW MEXICO

8547

- LEGEND
- NEW ASPHALT PAVEMENT
 - NEW CONCRETE
 - NEW TEMPORARY ASPHALT PAVEMENT PER CITY OF ALBUQUERQUE STD. DWG. 2415
 - TEMPORARY AGGREGATE BASE COURSE ROADWAY
 - NEW STANDARD CURB AND GUTTER PER C.O.A. STD. DWG. 2415

Jma

2001.060.9 2003.030.2

JEFF MORTENSEN & ASSOCIATES, INC.
400-B MIDWAY PARK, SUITE 800, N.E.
ALBUQUERQUE, NM 87109
PHONE: 505 345-4258 FAX: 505 345-4254 Email: jma@jma-inc.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DESERT RIDGE PLACE
HOLLY AVENUE N.E. IMPROVEMENTS
PAVING IMPROVEMENTS STA 28+50 TO STA 36+42.89

Design Review Committee	City Engineer Approval
APPROVED	APPROVED
APR 20 2003	APR 20 2003

City Project No. 694882 Zone Map No. C-20

PROJECT INFORMATION		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
CONTRACTOR		UNIVERSAL CONSTRUCTORS, INC.		THE ASS. STATION "HEIGHT" (USED PRIOR TO 1989 BASED ON NAD 1983) REPRESENTS THE "PROJECT DATUM". PREVIOUS ELEVATIONS = 5378.70 FEET (NOV 1999). NOTE: THE ELEVATION OF ASS STATION "5+000" AN ACS 1 3/4" ALUMINUM DISK EXPOSED TO THE TOP OF A STORM INLET AT THE N.E. CURB RETURN AT THE N.E. QUADRANT OF THE INTERSECTION OF VENTURA ST. AND ANHEIM AVE., BASED ON THE "PROJECT DATUM" IS 5523.84 FEET (NOV 1999). THE C.O.A. PUBLISHED ELEVATION FOR STA "5+000" IS 5523.71 FEET (NOV 1999) AND THEREFORE VARIES BY 0.13 FEET VERTICALLY FROM THE "PROJECT DATUM". FOR THE PURPOSES OF THIS PROJECT, USE "PROJECT DATUM" AS DESCRIBED ABOVE.		CONTRACTOR		UNIVERSAL CONSTRUCTORS, INC.	
DATE		11/01		NO.		DATE		DATE	
BY		JMA		10602		BY		DATE	
NO.		10602		BY		DATE		DATE	
REMARKS		BY		NO.		DATE		DATE	
REVISIONS		BY		NO.		DATE		DATE	
DESIGN		BY		NO.		DATE		DATE	
DRAWN BY		DATE		NO.		DATE		DATE	
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13676

REGISTERED PROFESSIONAL ENGINEER

MEXICO

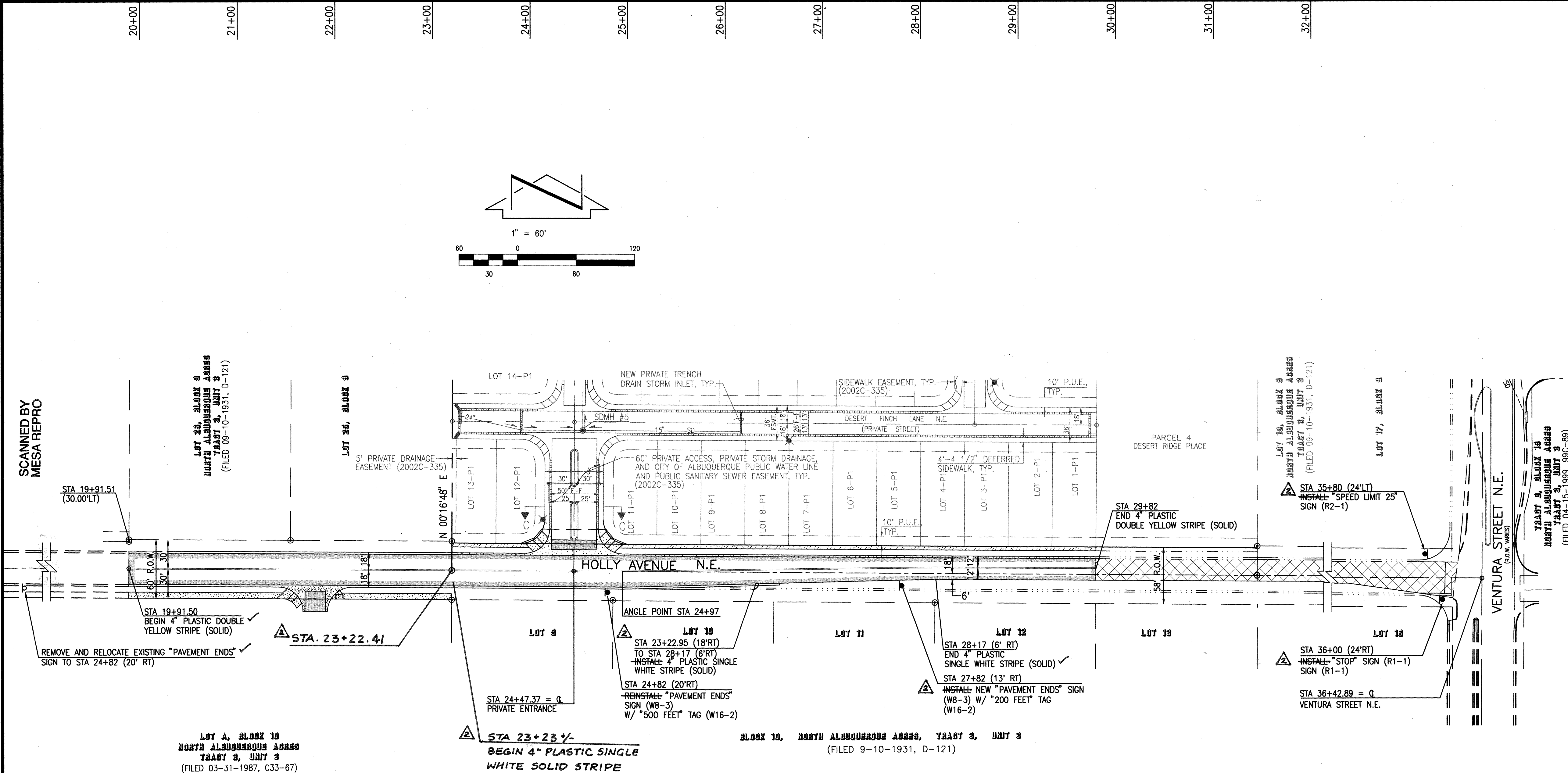
LEONARDO MENDOZA

04/24/2003

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Of

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STRIPING AND SIGNAGE NOTES:

- ALL PAVEMENT MARKINGS SHALL BE REFLECTIVE PREFORMED PLASTIC AND COMPLY WITH COA TRAFFIC OPERATIONS THIRD OPERATIONS THIRD DRAFT SPECIFICATIONS AND CONTRACT LISTING AND THE M.U.T.C.D. (LATEST EDITION).
- ALL TRAFFIC SIGNS SHALL COMPLY WITH THE M.U.T.C.D. (LATEST EDITION).
- CONTRACTOR SHALL OBLITERATE ALL EXISTING PAVEMENT MARKINGS WITHIN PROJECT LIMITS PER SECTION 443 OF THE THIRD DRAFT SPECIFICATIONS AND CONTRACT ITEM LISTING BY COA TRAFFIC ENGINEERING OPERATIONS, JUNE 1994, PRIOR TO INSTALLATION OF NEW MARKINGS.
- BROKEN LANE STRIPES SHALL BE 10 FEET IN LENGTH WITH 30 FOOT GAPS.
- DOTTED LINES SHALL BE 2 FEET IN LENGTH WITH 4 FOOT GAPS.
- CONTRACTOR SHALL APPLY REFLECTORIZED YELLOW PAINT TO ALL MEDIAN NOSES PRIOR TO FINAL ACCEPTANCE OF PROJECT.
- ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE OF PROJECT.
- STATIONING SHOWN HEREON IS BASED UPON STREET CENTERLINE.
- CONTRACTOR SHALL INVENTORY ALL TRAFFIC CONTROL SIGNS TO BE REMOVED UNDER THIS CONTRACT WITH TRAFFIC OPERATIONS PRIOR TO CONSTRUCTION COMMENCEMENT.
- CONTRACTOR MUST REVIEW STRIPING AND SIGNAGE LAYOUT WITH CITY OF ALBUQUERQUE TRAFFIC ENGINEERING DIVISION PRIOR TO INSTALLATION.

AS BUILT INFORMATION

CONTRACTOR: Universal Construction, Inc.
STRIPED BY: J.M.A.
INSPECTOR'S SIGNATURE: J.M.A.
DATE: 6/16/2003
FIELD VERIFICATION BY: J.M.A./H. Blair
DATE: 6/25/03
CORRECTED BY: J.M.A.
DATE: 6/26/03

MICRO-FILM INFORMATION

RECORDED BY: [Signature]
DATE: [Blank]
NO.: [Blank]

BENCH MARKS

THE ASS STATION "HOLLY" (TED PRIOR TO 1989 PASSED DEL MONTE CONSTRUCTION) REPRESENTS THE "PROJECT DATUM". PREVIOUS ELEVATION = 5378.79 FEET (NOV 1929). NOTE: THE ELEVATION OF ASS STATION "5-C207" AN ACS 1 3/4" ALUMINUM DISK EXPOSED TO THE TOP OF A STORM INLET AT THE N.E. CURB RETURN AT THE N.E. QUADRANT OF THE INTERSECTION OF VENTURA ST. AND JARDIN AVE. BASED ON THE "PROJECT DATUM" IS 5552.84 FEET (NOV 1929). THE C.O.A. PUBLISHED ELEVATION FOR STA "5-C207" IS 5552.71 FEET (NOV 1929) AND THEREFORE VARIES BY 0.13 FEET VERTICALLY FROM THE "PROJECT DATUM". FOR THE PURPOSES OF THIS PROJECT, USE "PROJECT DATUM" AS DESCRIBED ABOVE.

SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY
10602	11/01	JMA

ENGINEER'S SEAL

1. JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC., HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY ENGINEER.

JEFFREY G. MORTENSEN, NMPE 8547
DATE: 07/28/2003

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CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC., HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE ORIGINAL DESIGN INTENT OF THE CITY ENGINEER APPROVED PLANS WITH THE EXCEPTION OF THE WORK IN DESERT SHADOW WAY NE AND DESERT FINCH LANE NE (SHEET 15A). THE WORK ON SHEET 15A HAS BEEN COMPLETED FOR THE PURPOSES OF PARTIAL ACCEPTANCE/UTILIZATION AND SHALL BE COMPLETED FOR FINAL ACCEPTANCE AS PART OF CITY PROJECT NO. 694881. THE RECORD INFORMATION DATED ON THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY ENGINEER EXCEPTING DESERT SHADOW WAY NE AND DESERT FINCH LANE NE (SHEET 15A).

JEFFREY G. MORTENSEN, NMPE 8547

DATE



10" W	PROPOSED WATER LINE
10" W	EXISTING WATER LINE
8" SAS	PROPOSED SANITARY SEWER LINE
8" SAS	EXISTING SANITARY SEWER LINE
8" SAS	EXISTING SAS MANHOLE
8" SAS	PROPOSED FIRE HYDRANT
8" SAS	PROPOSED SAS MANHOLE
8" SAS	PROPOSED GATE VALVE
8" SAS	PUBLIC UTILITY EASEMENT
8" SAS	EXISTING FIRE HYDRANT
8" SAS	EXISTING GATE VALVE

LEGEND

LOT 11 BLOCK 10, NORTH ALBUQUERQUE ADJACENT TRACT 3, UNIT 3 (FILED 9-10-1931, D-121)

WATER VALVE SHUTOFF PLAN NOTES:

- AT A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO FACILITATE THE PROPOSED NON-PRESSURE CONNECTION: IN HOLLY AVE. N.E. VALVE 'A'.
- WATER SYSTEMS PERSONNEL SHALL PERFORM ALL SHUTOFFS. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES THAT MAY AFFECT SYSTEM OPERATIONS.
- THE CONTRACTOR SHALL REQUEST A WATER SHUTOFF IN WRITING, A MINIMUM OF SEVEN (7) WORKING DAYS IN ADVANCE PER STANDARD CITY OF ALBUQUERQUE PROCEDURES.
- WITHIN FIVE (5) DAYS AFTER RECEIPT OF CONTRACTOR'S SHUTOFF REQUEST, TRIAL SHUTOFFS WILL BE CONDUCTED. CITY TO FURNISH LABOR AND APPURTENANCES NECESSARY TO VERIFY COMPLETENESS OF SHUTOFFS.
- THE CONTRACTOR SHALL HAVE ALL FITTINGS, MATERIALS AND EQUIPMENT ON SITE PRIOR TO VALVE SHUTOFF. ALL EXCAVATION SHALL BE COMPLETE EXCEPT AS NECESSARY TO MAINTAIN SAFE SYSTEM OPERATION WHILE UNDER PRESSURE.
- THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT ALL NECESSARY SHUTOFFS AND CONNECTIONS.
- EXISTING WATER VALVE AND WATER LINE INFORMATION OBTAINED FROM RECORD DRAWINGS FOR HEIGHTS FIRST CHURCH OF THE NAZARENE UTILITY IMPROVEMENTS, PRJ. NO. 625581, PREPARED BY D. MARK GOODWIN & ASSOC., P.A. CONSULTING ENGINEERS DATED 9-24-01; RECORD DRAWINGS CERTIFIED 9-18-02.
- AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT WATER SYSTEMS DIVISION NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.

NOTES:

- THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS ARE SHOWN HEREON FOR ORIENTATION PURPOSES ONLY. BOUNDARY INFORMATION IS TAKEN FROM SUBDIVISION PLAT OF DESERT RIDGE PLACE PREPARED BY THIS OFFICE.
- REFER TO SHEET 9 FOR CITY WATER DETAILS.
- REFER TO SHEETS 2 - 5 FOR SUBDIVISION PLAT.

RECORD DRAWING

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK, BLDG. NE
ALBUQUERQUE, NM 87109
PHONE: 505-345-4254 FAX: 505-345-4250
E-MAIL: JG.MORTENSEN@JMA-INC.COM

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DESERT RIDGE PLACE
HOLLY AVENUE N.E. IMPROVEMENTS
WATER AND SANITARY SEWER SITE PLAN; WATER VALVE SHUTOFF PLAN

Design Review Committee	City Engineer Approval
APPROVED APR 29 2003	APPROVED APR 30 2003
DESIGN REVIEW COMMITTEE	DESIGN REVIEW COMMITTEE

City Project No. 694882 Zone Map No. C-20 Sheet 13 Of 17

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	THE ASS. STATION "BENCH" (FILED PRIOR TO 1989 BASED ON MORE CONSTRUCTION)	CONTRACTOR	UNIVERSAL CONSTRUCTORS, INC.	NO.
10602	11/01	REPRESENTS THE "PROJECT DATUM", PREVIOUS ELEV. = 5378.79 FEET (NOV 1929)	STATIONED BY	J.M.A.	DATE
		NOTE: THE ELEVATION OF ASS. STATION "B" = 5378.79 FEET (NOV 1929)	ASSISTED BY	M.D.S.	DATE
		EXPLORED TO THE TOP OF A STORM INLET AT THE N.E. CURB RETURN AT THE	FIELD CHECKED BY	J.M.A./H. B. LAIR	DATE
		N.E. QUADRANT OF THE INTERSECTION OF VENTURA ST. AND ANHEIM AVE.	CORRECTED BY	J.M.A.	DATE
		BASED ON THE "PROJECT DATUM" IS 5352.84 FEET (NOV 1929).			
		THE C.O.A. PUBLISHED ELEVATION FOR STA. "B" = 5352.71 FEET (NOV 1929) AND			
		THEREFORE VARIES BY 0.13 FEET VERTICALLY FROM THE "PROJECT DATUM". FOR THE			
		PURPOSES OF THIS PROJECT, USE "PROJECT DATUM" AS DESCRIBED ABOVE.			
REVISIONS		MICRO-FILM INFORMATION			
NO.	DATE	REVISIONS			
1	04-2003	DESIGN			
2	04-2003	DESIGN			
3	04-2003	DESIGN			

SCANNED BY
MESA REPRO

EXTENSION TO BE
CONSTRUCTED BY
CPN 694881

PROPOSED 20" PUBLIC SAS AND
STORM DRAIN EASEMENT BY
SEPARATE DOCUMENT.

LOT 23, BLK 9
NORTH ALBUQUERQUE ADAMS
TRACT 3, UNIT 3
(FILED 09-10-1931, D-121)

STA 22+06.50 (10.00' LT)
UNMETERED PRIVATE
FIRE LINE STUBOUT
INSTALL:
1-10" x 10" x 6" RESTRAINED TEE (L_R=16")
1-6" RESTRAINED GATE VALVE (L_R=46")
WITH VALVE BOX PER DETAILS, SHEET 9
44 L.F. 6" PVC C-900

STA 22+06.50 PRIVATE FIRE LINE STUBOUT
INSTALL:
1-6" CAP (34.00' RT) AND CONCRETE BLOCKING WITH
ELECTRONIC MARKER DISK (EMD)
TP 96.9
1-6" RESTRAINED GATE VALVE (31.00' RT) AND
VALVE BOX WITH PRIVATE FIRE LINE
LID PER DETAILS SHEET 9

STA 19+91.51 (0.39' LT)
CONSTRUCT SAS MH #1
INSTALL: 40 LF 8" PVC (SDR-35)
SAS S=0.0095 83
BRG: N00°16'48"E

STA 23+97.37 (10.00' LT)
INSTALL:
1-10" RESTRAINED GATE VALVE (L_R=72")
1-VALVE BOX PER DETAILS, SHEET 9

STA 23+32
INSTALL:
1-4" SAS SERVICE PER
C.O.A. STD. DWG. 2125
INV @ P= 02.29

STA 23+22.41 (28' LT)
SW CORNER DESERT
RIDGE PLACE

STA 23+51
EXISTING SAS MH
(SEE SHEET 10 FOR
ADJUSTMENT GRADE)

STA 23+77.37 (0.73' LT)
CONSTRUCT SAS MH #2

STA 24+38.37 (10.00' LT)
INSTALL:
1-10" x 10" x 8" RESTRAINED TEE (L_R=30")

EQUATION:
STA 24+48.37 (37.46' LT) HOLLY AVE. N.E.
STA 13+65.54 (1.00' LT) DESERT SHADOW WAY N.E.
CONSTRUCT SAS MH #3

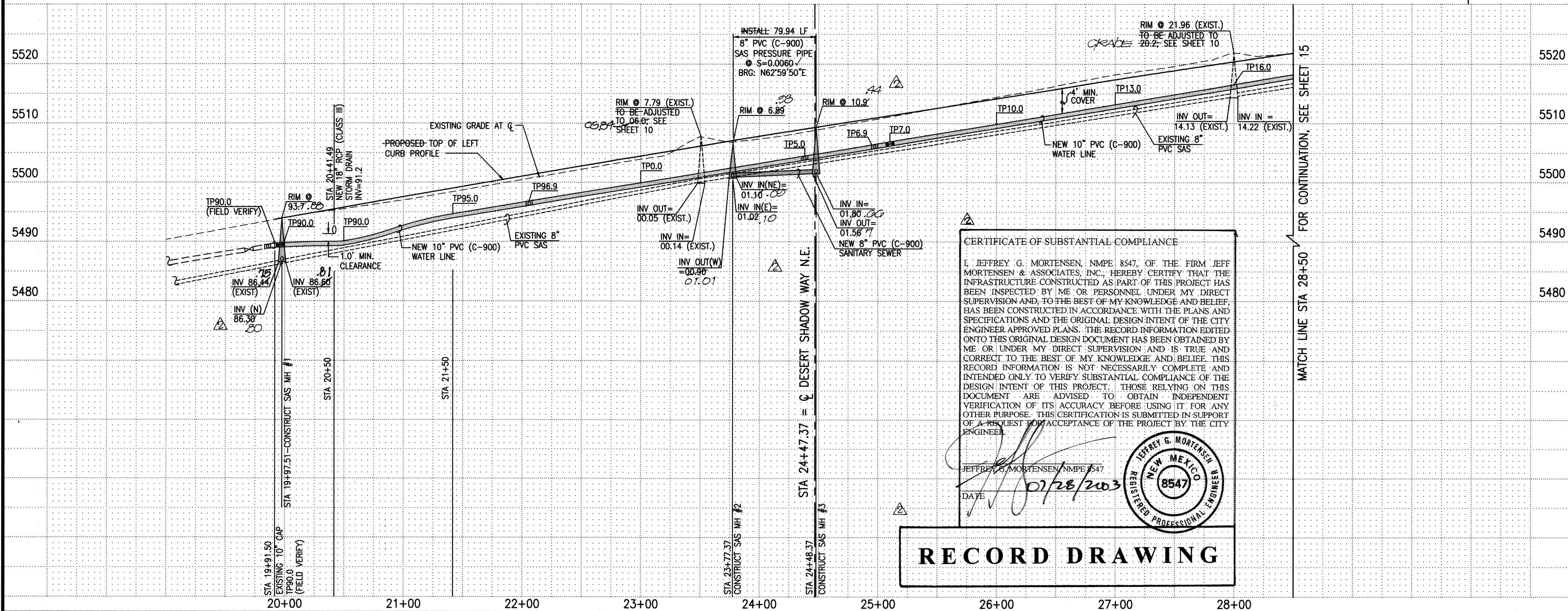
STA 24+97.37 (20.13' LT)
INSTALL:
1-RESTRAINED FIRE HYDRANT (4 1/2" BURY)
PER C.O.A. STD. DWG. 2340
FLANGE ELEV.=551.43

STA 25+02.37 (10.00' LT)
INSTALL:
1-10" RESTRAINED GATE VALVE (L_R=72")
WITH VALVE BOX PER DETAILS, SHEET 9

STA 24+97.37 (10.00' LT)
INSTALL:
1-10" x 10" x 6" RESTRAINED TEE (L_R=16")
1-6" RESTRAINED GATE VALVE (L_R=60")
WITH VALVE BOX PER DETAILS, SHEET 9
10 LF 6" PVC C-900

EQUATION:
STA 24+47.37 HOLLY AVE. N.E.
STA 14+03.00 DESERT SHADOW WAY N.E.

HOLLY AVENUE N.E.



CERTIFICATE OF SUBSTANTIAL COMPLIANCE
I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC., HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE ORIGINAL DESIGN INTENT OF THE CITY ENGINEER APPROVED PLANS. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY ENGINEER.

JEFFREY G. MORTENSEN, NMPE 8547
DATE: 01/28/2003
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
8547

RECORD DRAWING

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

WATER LINE CONSTRUCTION NOTES:

- ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
- FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
- FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR PVC C-900 OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
- WATER LINE SHALL HAVE A MINIMUM COVER OF 3'-0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
- IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALLIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
- VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
- JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
- FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED. JOINT RESTRAINT LENGTHS SPECIFIED HEREON ARE THE LENGTHS TO BE RESTRAINED EACH SIDE OF THE FITTING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- WHERE WATER AND SANITARY SEWER LINES CROSS, THE SANITARY SEWER LINE SHALL BE INSTALLED AS PRESSURE PIPE BETWEEN MANHOLES IF 18 INCHES OF VERTICAL SEPARATION DOES NOT EXIST.
- ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATER LINE IS PUT INTO SERVICE BY WATER SYSTEM DIVISION PERSONNEL.

SANITARY SEWER CONSTRUCTION NOTES:

- ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
- UNLESS OTHERWISE INDICATED, ALL SEWER PIPE SHOWN ON THIS SHEET SHALL BE PVC (C-900) PRESSURE PIPE.
- SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.
- SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRONIC MARKER DISCS (EMD) AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2125. EMD SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
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- WHERE WATER AND SANITARY SEWER LINES CROSS, THE SANITARY SEWER LINE SHALL BE INSTALLED AS PRESSURE PIPE BETWEEN MANHOLES IF 18 INCHES OF VERTICAL SEPARATION DOES NOT EXIST.

AS BUILT INFORMATION

CONTRACTOR: Universal Constructors, Inc.
STARTED BY: J.M.A.
DATE: 05/06/2003
INSPECTED BY: M.D.S.
DATE: 02/03/03
FIELD VERIFICATION BY: J.M.A./H.B.M.
DATE: 02/03/03
CORRECTED BY: J.M.A.
DATE: 02/03/03
RECORDED BY: J.M.A.
DATE: 02/03/03

BENCH MARKS

THE ASS STATION "BENCH" (FILED PRIOR TO 1989 BASED ON DEL NORTE CONSTRUCTION) REPRESENTS THE "PROJECT DATUM". PREVIOUS ELEV= 5578.79 FEET (NOV 1929). NOTE: THE ELEVATION OF ASS STATION "5-020" AN AGS 1 3/4" ALUMINUM DISK EXPOSED TO THE TOP OF A STORM INLET AT THE NINE CURB RETURN AT THE N.E. QUADRANT OF THE INTERSECTION OF VENTURA ST. AND ANDREW AVE. BASED ON THE "PROJECT DATUM" IS 5552.84 FEET (NOV 1929). THE C.O.A. PUBLISHED ELEVATION FOR STA "5-020" IS 5552.71 FEET (NOV 1929) AND THEREFORE VARIES BY 0.13 FEET VERTICALLY FROM THE "PROJECT DATUM". FOR THE PURPOSES OF THIS PROJECT, USE "PROJECT DATUM" AS DESCRIBED ABOVE.

SURVEY INFORMATION

FIELD NOTES

NO. 10602
DATE 11/01
BY JMA

ENGINEER'S SEAL

JEFFREY G. MORTENSEN, NMPE 8547
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
01/28/2003

DESIGN REVIEW COMMITTEE

APR 23 2003

CITY ENGINEER APPROVAL

APR 30 2003

City Project No. 694882

Zone Map No. C-20

Sheet 14 of 17

SCANNED BY
MESA REPRO

MATCHLINE STA 28+50;
FOR CONTINUATION, SEE SHEET 14

MATCH LINE STA 28+50 FOR CONTINUATION, SEE SHEET 14

HOLLY AVENUE N.E. (PUBLIC)

RECORD DRAWING

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

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- FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR PVC C-905 OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
- WATER LINE SHALL HAVE A MINIMUM COVER OF 3'-0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
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- WHERE WATER AND SANITARY SEWER LINES CROSS, THE SANITARY SEWER LINE SHALL BE INSTALLED AS PRESSURE PIPE BETWEEN MANHOLES IF 18 INCHES OF VERTICAL SEPARATION DOES NOT EXIST.
- ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATER LINE IS PUT INTO SERVICE BY WATER SYSTEM DIVISION PERSONNEL.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC., HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE ORIGINAL DESIGN INTENT OF THE CITY ENGINEER APPROVED PLANS. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY ENGINEER.

JEFFREY G. MORTENSEN, NMPE 8547
DATE: 07/20/2003

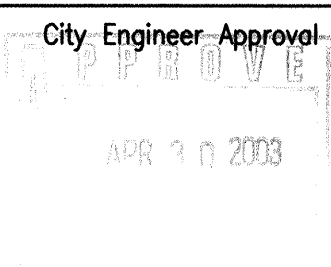


JMA
2001.060.9 2003.030.2

JEFF MORTENSEN & ASSOCIATES, INC.
600-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (505) 345-4258
FAX (505) 345-4254 Email: jma@jma-inc.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DESERT RIDGE PLACE
HOLLY AVENUE N.E. IMPROVEMENTS
WATER LINE EXTENSION STA 28+50 TO STA 36+30



City Project No. 694882

Zone Map No. C-20

Sheet 15 of 17

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	Universal Constructors, Inc.	THE ASS. STATION "BENCH" (RED PIPES) TO 1989 PASSED DEL NORTE CONSTRUCTION	REPRESENTS THE "PROJECT DATUM" (NOVO 1929)	DATE	11/01	ENGINEER'S SEAL	10602
INSPECTED BY	J.M.A.	NOTE: THE ELEVATION OF ASS STATION "S-CUT" AN ASS 1 3/4" ALUMINUM DISK EXPOSED TO THE TOP OF A STORM INLET AT THE N.E. CURB RETURN AT THE N.E. QUADRANT OF THE INTERSECTION OF VENTURA ST. AND ANHEIM AVE., BASED ON THE "PROJECT DATUM" IS 5552.84 FEET (NOVO 1929).	NOTE: THE ELEVATION OF ASS STATION "S-CUT" AN ASS 1 3/4" ALUMINUM DISK EXPOSED TO THE TOP OF A STORM INLET AT THE N.E. CURB RETURN AT THE N.E. QUADRANT OF THE INTERSECTION OF VENTURA ST. AND ANHEIM AVE., BASED ON THE "PROJECT DATUM" IS 5552.84 FEET (NOVO 1929).	BY	JMA		
DATE	02-2003	RECORDED BY	J.M.A.	NO.	10602	REVISIONS	DESIGN
DATE	02-2003	RECORDED BY	J.M.A.	DATE	02-2003	DESIGNED BY	GM/C.J.S.
DATE	02-2003	RECORDED BY	J.M.A.	DATE	02-2003	DRAWN BY	SGH.
DATE	02-2003	RECORDED BY	J.M.A.	DATE	02-2003	CHECKED BY	GM/JGM

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 (M.U.T.C.D.) 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 5A 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 PLACES APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITAL, TRANSIT AUTHORITY, BUSINESSES AN/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 PATCHES 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.

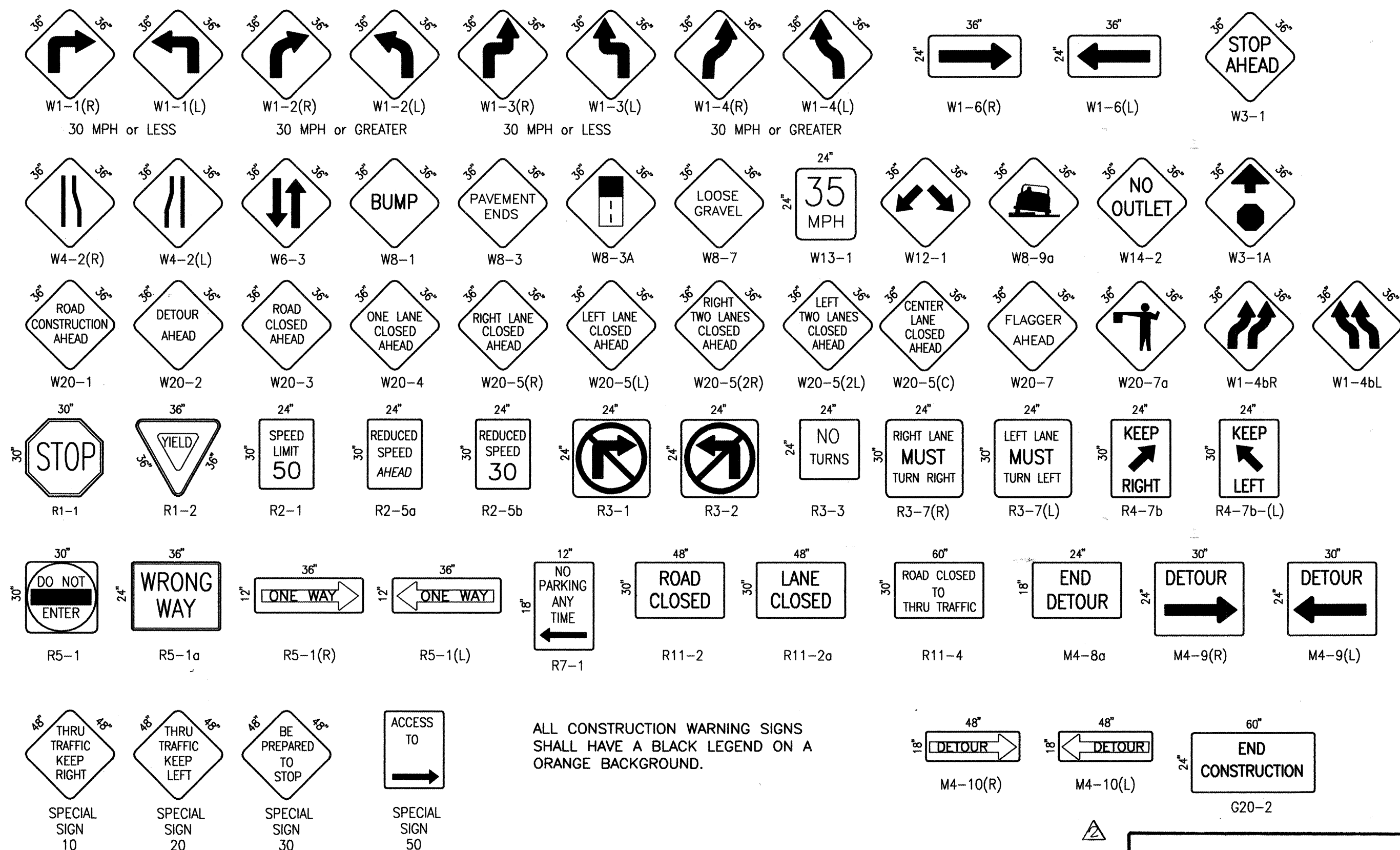
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.

SPECIAL TRAFFIC CONTROL NOTES

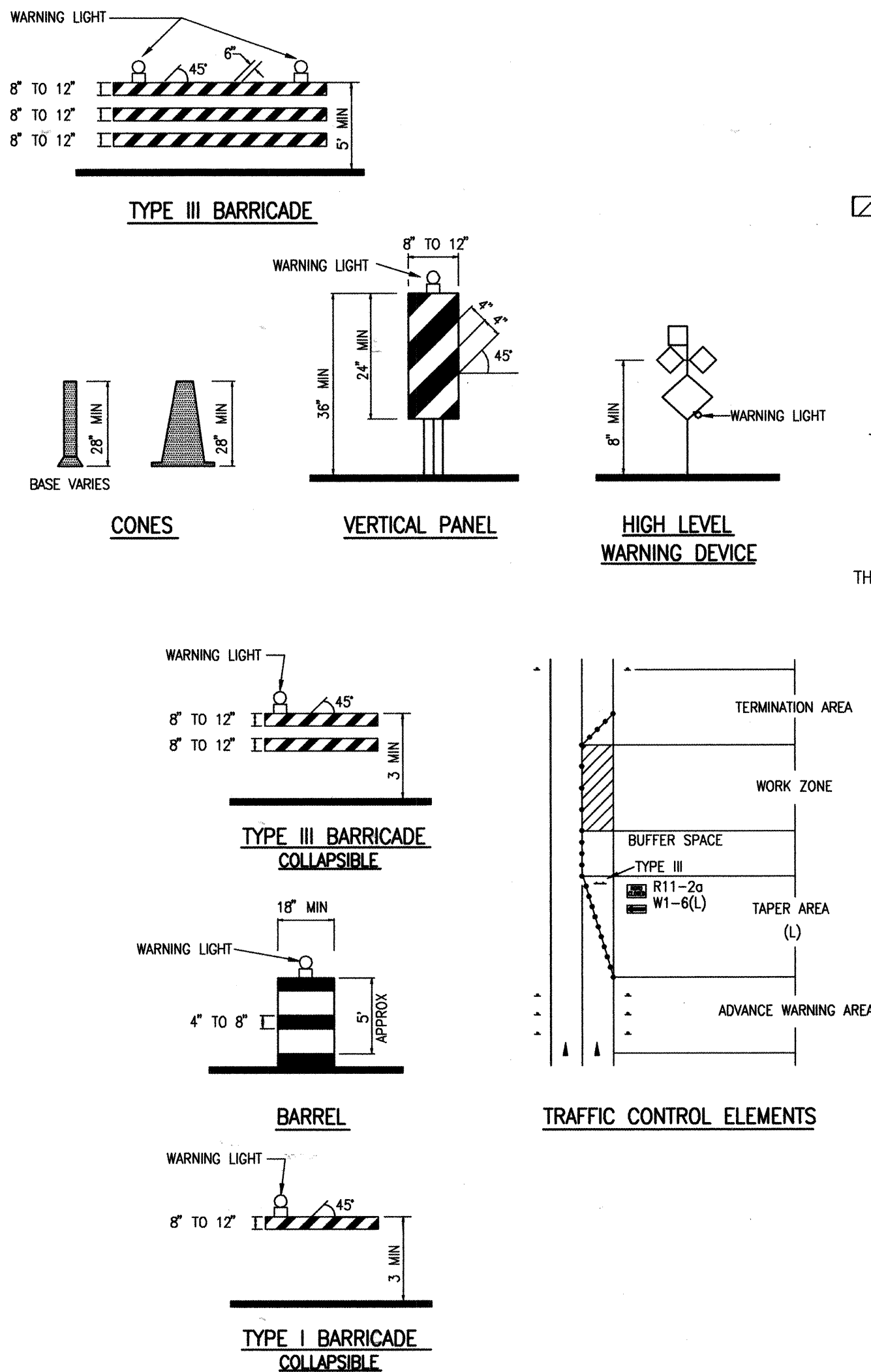
- ALL BARRICADING ON VENTURA STREET IS SUBJECT TO ARTERIAL/COLLECTOR ROAD USAGE FEES OF \$0.01 PER SQUARE FOOT OF BARRICADE AREA PER DAY.
- PAVED, TWO WAY TRAFFIC ON VENTURA STREET MUST BE MAINTAINED AT ALL TIMES.



SIGN FACE DETAILS



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



LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE 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
DOWNSTEAM TAPERS	100 FEET PER LANE

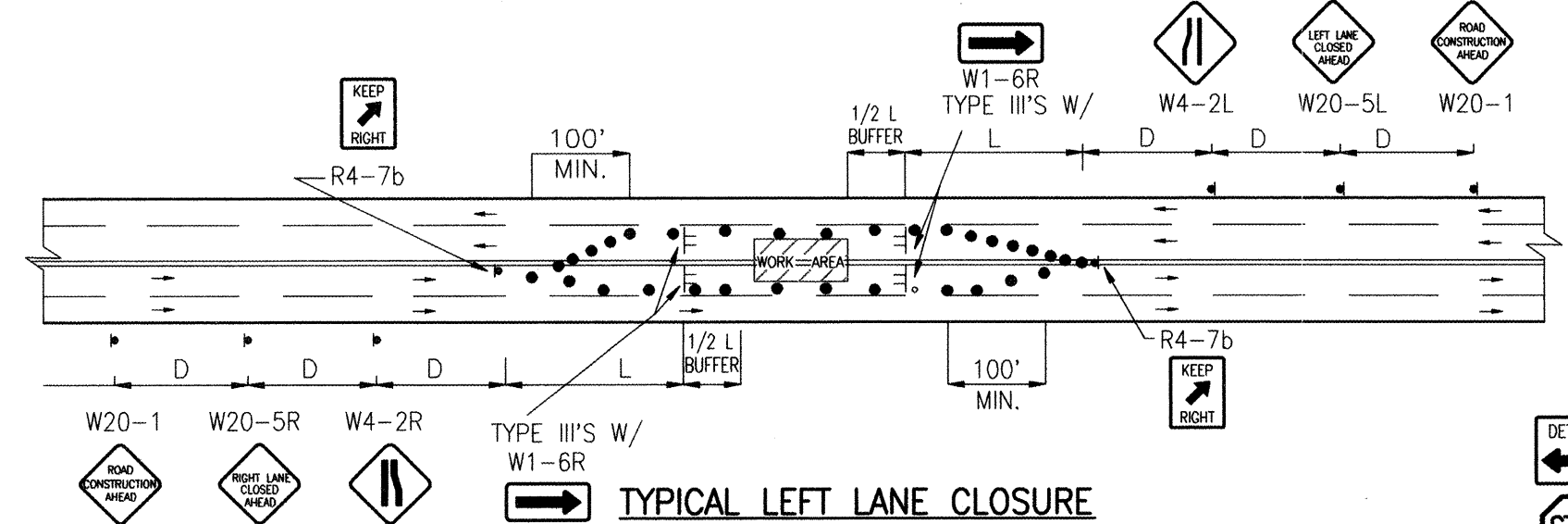
TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$WS^2/60$
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	

2001.060.0 2003.030.2

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: DESERT RIDGE PLACE HOLLY AVENUE N.E. IMPROVEMENTS SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS	
Design Review Committee	City Engineer Approval
C.O.A. STD.	C.O.A. STD.
City Project No. 694882	Zone Map No. C-20
Sheet 16	Of 17

RECORD DRAWING



-
- TYPICAL SANITARY SEWER

TYPICAL SANITARY SEWER SLIPLINING OPERATION

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



CITY OF ALBUQUERQUE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DESERT RIDGE PLACE
HOLLY AVENUE N.E. IMPROVEMENTS
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

Design Review Committee

**C.O.A.
STD.**

C.O.A.
STD.

City Project No. 694882

Zone Map No. C-20

Sheet	17	Of	17
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	G-228	RECORD DRAWING	12.21.19	ENGINEER'S SEAL	SURVEY INFORMATION			BENCH MARKS	AS BUILT INFORMATION		
					FIELD NOTES				CONTRACTOR		
					NO.	BY	DATE		WORK STARTED BY	DATE	
									INSPECTOR'S FIELD OFFICE BY	DATE	
									VERIFICATION BY	DATE	
									COMPLETED BY	DATE	
DESIGN				MICRO-FILM INFORMATION							
				REQUIRED BY							
Designed By				C.O.A. STANDARDS							
Date				N/A							
Drawn By				J.M.A.							
Date				Date							
Checked By				N/A							