EAGLE POINTE SUBDIVISION

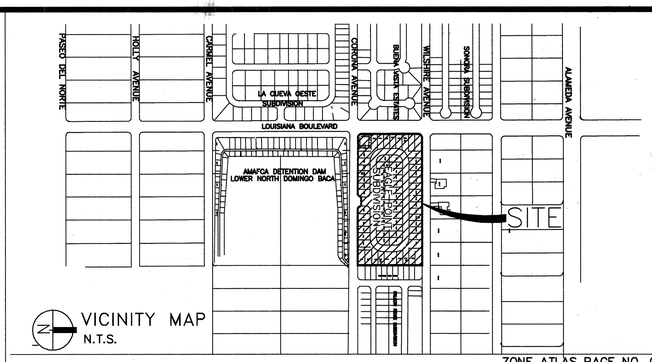
ALBUQUERQUE, NEW MEXICO

IMPROVEMENTS FOR GRADING, PAVING, AND UTILITIES

INDEX OF DRAWINGS

FOR INFORMATION ONLY
Peter Chang 8/24/00

DRB 97–229



VICINITY MAP
N.T.S.

ZONE ATLAS PAGE NO. C–19

GENERAL NOTES

1. An EXCAVATION/CONSTRUCTION PERMIT will be required before beginning any work within the CITY RIGHY OF WAY.
2. All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with the City of Albuquerque Standard Specifications for Public Works Construction 1986 Edition as REVISED through Update NO. 6.
3. Two (2) working days prior to any excavation, Contractor must contact Line Locating Service @ 260–1990 for location of existing utilities.
   Warning – EXISTING UTILITY LINE LOCATIONS are shown in an approximate manner only, and such lines may exist where none are shown. The location of any such existing lines is based upon information provided by the utility company, the owner, or by others, and the information may be incomplete or may be obsolete by the time construction commences.
4. Prior to construction, the Contractor shall excavate & verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the Contractor shall notify the Engineer immediately so that the conflict can be resolved with minimum delay.
5. TRAFFIC CONTROL: Five (5) working days prior to beginning construction the contractor shall submit to the Construction Coordination Division a detailed construction schedule. Two (2) working days prior to construction the contractor shall obtain a Barricading Permit from the Construction Coordination Division. Contractor shall notify Barricade Engineer (768–2521) prior to occupying an intersection. See Section 19 of the Specifications.
6. Any work affecting an arterial roadway requires twenty–four hour construction.
7. All street striping altered or destroyed shall be replaced with plastic reflectorized pavement markings by Contractor to the same location as was existing, or as otherwise indicated by the plans.
8. Contractor shall notify Engineer not less than seven (7) days prior to starting Work Order such that 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 Cty 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 Standard Specifications, Section 4.4 of the General Conditions.
9. Contractor shall record data on all utility lines and accessories as required by the City of Albuquerque for the preparation of "AS–CONSTRUCTED DRAWINGS" . Contractor shall not cover utility lines and accessories until all data has been recorded.
10. Contractor shall maintain a "Graffiti–Free" work site. Contractor shall promptly remove any graffiti from all equipment, whether permanent or temporary.
11. Contractor shall coordinate with the City of Albuquerque Water Systems Division (857–8200) five (5) working days in advance of any work that may effect existing water and/or sanitary sewer utilities. Existing valves to be operated by City personnel only. Contractor to notify the Water Systems Division three (3) working days prior to needing valves turned on or off.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPTARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	* * * * * * * * * * * *
D. MARK GOODWIN NEW MEXICO 8046 REGISTERED PROFESSIONAL ENGINEER 8/7/00	DRC Chairman		8-24-00	APPROVED FOR CONSTRUCTION
	Transportation		8-18-00	
	Water/Wastewater	Bradley L. Bingham	8-17-00	
	Hydrology		8-10-00	City Engineer — Date 9/14/00
	CIP			
	Constr. Mngmt.			
	Const Cord		8-24-00	
	CITY PROJECT No.	6004.81		Sheet 1 Of 23

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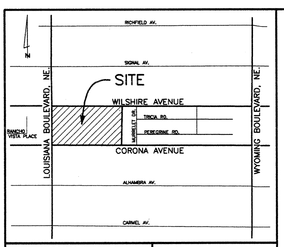


VICINITY MAP NOT TO SCALE	ZONE ATLAS PAGE C-19-Z

SUBDIVISION DATA:

ZONE ATLAS INDEX No.	C-19-Z
EXISTING ZONING	R-D
ON-SITE GROSS AREA	10.042 AC
DEDICATED ON-SITE STREET R.O.W.	1.980 AC
H.O.A. TRACTS A, B AND C (PRIVATE STREETS)	0.134 AC
SW STUB 22 FT. WIDE PUBLIC ROW	0.065 AC
NET LOT AREA	7.863 AC
LA. WILSHIRE, CORONA DEDICATED R.O.W.	1.689 AC
ADDITIONAL LOUISIANA R.O.W.	0.210 AC
LANDSCAPE BUFFER (TRACT D)	0.056 AC
TOTAL AREA = 11.997 AC	

NUMBER OF EXISTING TRACTS	12
NUMBER OF TRACTS CREATED	1
NUMBER OF LOTS CREATED	76

EASEMENTS

THIS PLAT SHOWS EXISTING RECORDED AND APPARENT EASEMENTS AS NOTED.

PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:

1. PNM ELECTRIC SERVICES FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF UNDERGROUND ELECTRICAL LINES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE.
2. PNM GAS SERVICES FOR INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS.
3. QWEST FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF ALL BURIED COMMUNICATION LINES AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND PEDESTALS AND CLOSURES.
4. COMCAST FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH UNDERGROUND LINES, CABLE AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE TV SERVICE.

INCLUDED IS THE RIGHT TO BUILD, REBUILD, CONSTRUCT, RECONSTRUCT, LOCATE, RELOCATE, CHANGE, REMOVE, MODIFY, RENEW, OPERATE, AND MAINTAIN FACILITIES FOR THE PURPOSES DESCRIBED ABOVE, TOGETHER WITH FREE ACCESS TO, FROM, AND OVER SAID EASEMENTS, INCLUDING SUFFICIENT WORKING AREA SPACE FOR ELECTRIC TRANSFORMERS, WITH THE RIGHT AND PRIVILEG.; TO TRIM AND REMOVE TREES, SHRUBS OR BUSHES WHICH INTERFERE WITH THE PURPOSES SET FORTH HEREIN. NO BUILDING, SIGN, POOL (ABOVE GROUND OR SUBSURFACE), HOT TUB, CONCRETE OR WOOD POOL DECKING, OR OTHER STRUCTURE SHALL BE ERECTED OR CONSTRUCTED ON SAID EASEMENTS, NOR SHALL ANY WELL BE DRILLED OR OPERATED THEREON, PROPERTY OWNERS SHALL BE SOLELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRICAL SAFETY CODE CAUSED BY CONSTRUCTION OR POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO WITHIN OR NEAR EASEMENTS SHOWN ON THIS PLAT.

GENERAL NOTES:

1.) BEARINGS ARE NEW MEXICO STATE PLANE GRID BEARINGS AND WERE DETERMINED BY GPS OBSERVATION DONE IN JUNE, 2000.
2.) DISTANCES SHOWN ARE GROUND DISTANCES.
3.) BEARINGS AND DISTANCES IN PARENTHESIS DENOTE RECORD PLAT IF DIFFERENT FROM FIELD MEASUREMENTS.
4.) BASIS OF BOUNDARY ARE THE FOLLOWING PLATS OF RECORD ENTITLED:

TRACT 2, UNIT 3, NORTH ALBUQUERQUE ACRES (FILED SEPTEMBER 10, 1931, VOLUME D1, FOLIO 20)

FALCON RIDGE SUBDIVISION (FILED JULY 31, 1997, VOLUME 97C, FOLIO 239)

BUENA VISTA ESTATES- UNIT I (FILED AUGUST 21, 1997, VOLUME 97C, FOLIO 257)

5.) THIS PROPERTY LIES WITHIN THE ELENA GALLEGOS GRANT, PROJECTED SECTION 18, TOWNSHIP 11 NORTH, RANGE 4 EAST, N.M.P.M., CITY OF ALBUQUERQUE, COUNTY OF BERNALILLO, NEW MEXICO.
6.) LOTS 40 AND 41, BLOCK 1, RESERVED FOR TEMPORARY DRAINAGE EASEMENT FOR DRAINAGE RETENTION POND, TO BE GRANTED BY SEPARATE DOCUMENT ALONG WITH AGREEMENT AND COVENANTS TO HOLD LAND OWNER RESPONSIBLE FOR MAINTENANCE AND LIABILITY.
7.) AS TO THE TITLE MATTERS SHOWN HEREON, CLINT SHERRILL & ASSOC. HAS RELIED SOLELY ON THE TITLE COMMITMENT PREPARED BY ALBUQUERQUE TITLE COMPANY/ COMMONWEALTH LAND TITLE INSURANCE COMPANY, COMMITMENT FILE #170255BD, DATED FEBRUARY 12, 199.. CLINT SHERRILL & ASSOC. MAKES NO STATEMENT AS TO THE ACCURACY OR COMPLETENESS OF SAID TITLE REPORT.

PLAT OF
EAGLE POINTE SUBDIVISION

CITY OF ALBUQUERQUE, BERNALILLO COUNTY
STATE OF NEW MEXICO
AUGUST, 2000

TALOS LOG NO. 00080709370237

DRB PROJECT NO. 1000189

LEGAL DESCRIPTION

A TRACT OF LAND SITUATE IN THE ELENA GALLEGOS GRANT, PROJECTED SECTION 18, TOWNSHIP 11 NORTH, RANGE 4 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, BEING ALL OF LOTS 1 THRU 6 AND LOTS 27 THRU 32, BLOCK 6, TRACT 2, UNIT 3, NORTH ALBUQUERQUE ACRES, AS THE SAME ARE SHOWN AND DESIGNATED ON SAID PLAT FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON SEPTEMBER 10,1931, IN VOLUME D1, FOLIO 20, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT FOR THE NORTHWEST CORNER OF THE TRACT HEREIN DESCRIBED, SAID POINT BEING IDENTICAL TO THE CENTERLINE INTERSECTION OF LOUISIANA BOULEVARD NE. AND WILSHIRE AVENUE NE., WHENCE THE CITY OF ALBUQUERQUE CONTROL SURVEY MONUMENT "9-C18" BEARS THE FOLLOWING TWO COURSES: N89°45'23"W A DISTANCE OF 2640.18 FEET AND S41°10'44"W A DISTANCE OF 40.17 FEET;

THENCE, ALONG SAID CENTERLINE OF WILSHIRE AVENUE NE., S89°39'58"E A DISTANCE OF 990.06 FEET TO THE NORTHEAST CORNER OF THE TRACT HEREIN DESCRIBED;

THENCE, LEAVING SAID CENTERLINE OF WILSHIRE AVENUE NE., ALONG THE WESTERLY LINE OF FALCON RIDGE SUBDIVISION, ACCORDING TO THE SURVEY AND PLAT THEREOF BY LARRY W. MELDRANO, NEW MEXICO PROFESSIONAL LAND SURVEYOR, FILED FOR RECORD ON JULY 31, 1997 IN VOLUME 97C, FOLIO 239 OF THE RECORDS OF THE BERNALILLO COUNTY CLERK, S0°10'03"W A DISTANCE OF 527.75 FEET TO THE SOUTHEAST CORNER OF THE TRACT HEREIN DESCRIBED, A POINT ON THE CENTERLINE OF CORONA AVENUE NE.;

THENCE, ALONG SAID CENTERLINE OF CORONA AVENUE NE., N89°39'55"W A DISTANCE OF 990.42 FEET TO THE SOUTHWEST CORNER OF THE TRACT HEREIN DESCRIBED, SAID POINT BEING IDENTICAL TO THE CENTERLINE INTERSECTION OF SAID CORONA AVENUE NE. AND LOUISIANA BOULEVARD NE.;

THENCE, ALONG SAID CENTERLINE OF LOUISIANA BOULEVARD NE., N0°12'23"E A DISTANCE OF 527.73 FEET TO THE POINT AND PLACE OF BEGINNING.

CONTAINING 11.997 ACRES, MORE OR LESS.

DISCLOSURE STATEMENT

THE PURPOSE OF THIS PLAT IS TO REPLAT LOTS 1-6 AND 27-32, BLOCK 6, TRACT 2, UNIT 3, NORTH ALBUQUERQUE ACRES, FILED: 9-10-31, BK. D1, FOLIO 20, INTO EAGLE POINTE SUBDIVISION AS SHOWN WITH THIS PLAT.

FREE CONSENT AND DEDICATION

THE SUBDIVISION HEREON DESCRIBED IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER(S) AND/OR PROPRIETOR(S) THEREOF, AND SAID OWNER(S) AND/OR PROPRIETOR(S) DO HEREBY DEDICATE ALL STREETS AND PUBLIC RIGHT-OF-WAYS SHOWN HEREON TO THE CITY OF ALBUQUERQUE IN FEE SIMPLE WITH WARRANTY COVENANTS AND DO HEREBY GRANT: ALL ACCESS, UTILITY AND DRAINAGE EASEMENTS SHOWN HEREON, INCLUDING THE RIGHT TO CONSTRUCT, OPERATE, INSPECT AND MAINTAIN FACILITIES THEREOF; AND ALL PUBLIC UTILITY EASEMENTS SHOWN HEREON FOR THE COMMON AND JOINT USE OF GAS, ELECTRICAL POWER AND COMMUNICATION SERVICES FOR BURIED DISTRIBUTION LINES, CONDUITS AND PIPES FOR UNDERGROUND UTILITIES WHERE SHOWN AND ARE INDICATED, INCLUDING THE RIGHT OF INGRESS AND EGRESS FOR CONSTRUCTION AND MAINTENANCE, AND THE RIGHT TO TRIM INTERFERING TREES AND SHRUBS. SAID OWNER(S) AND/OR PROPRIETOR(S) DO HEREBY CONSENT TO ALL OF THE FOREGOING AND DO HEREBY CERTIFY THAT THIS SUBDIVISION IS THEIR FREE ACT AND DEED.

D.R. HORTON, INC., A DELAWARE CORPORATION
BY: J. MARK FERGUSON, DIVISION PRESIDENT

ACKNOWLEDGMENT

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)
THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 10th DAY OF August 2000.
BY : J. MARK FERGUSON

NOTARY PUBLIC

MY COMMISSION EXPIRES: 7/02/02

OFFICIAL SEAL
SHERI THACKER
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires: 7/02/02

APPROVALS

CITY PLANNER, ALBUQUERQUE PLANNING DIVISION	DATE
CITY ENGINEER, CITY OF ALBUQUERQUE, N.M.	DATE
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY	DATE
TRANSPORTATION DEVELOPMENT, CITY OF ALBUQUERQUE, NM	DATE
UTILITY DEVELOPMENT DIVISION, CITY OF ALBUQUERQUE, NM	DATE
PARKS & RECREATION	DATE
CITY ENGINEER, CITY OF ALBUQUERQUE, NM	8-15-2000 DATE
PROPERTY MANAGEMENT, CITY OF ALBUQUERQUE, NM	DATE
PNM GAS SERVICES	8-16-00 DATE
PNM ELECTRIC SERVICES	8-16-00 DATE
QWEST	8-16-00 DATE
COMCAST	8/16/00 DATE

n approving this plat, PNM Electric Services and Gas Services (PNM) did not conduct a Title Search of the properties shown hereon. Consequently, PNM dose not waive nor release any easement or easement rights to which it may be entitled.

SURVEYOR'S CERTIFICATION:

I, JOHNNY R. SOSAYA, A DULY REGISTERED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCES, SHOWS ALL EASEMENTS MADE KNOWN TO ME BY THE OWNER(S), UTILITY COMPANIES, OR OTHER PARTIES EXPRESSING AN INTEREST, IS CORRECT AND TRUE TO THE BEST OF MY BELIEF AND KNOWLEDGE, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS EFFECTIVE FEBRUARY 2, 1994.

JOHNNY R. SOSAYA N.M.P.L.S. #13473 — 08/09/00 DATE

SURVEYORS SEAL

CLINT SHERRILL & ASSOC.
730 SAN MATEO S. E.
ALBUQUERQUE, NEW MEXICO 87108
(505) 256-7364 (505) 256-7600 FAX

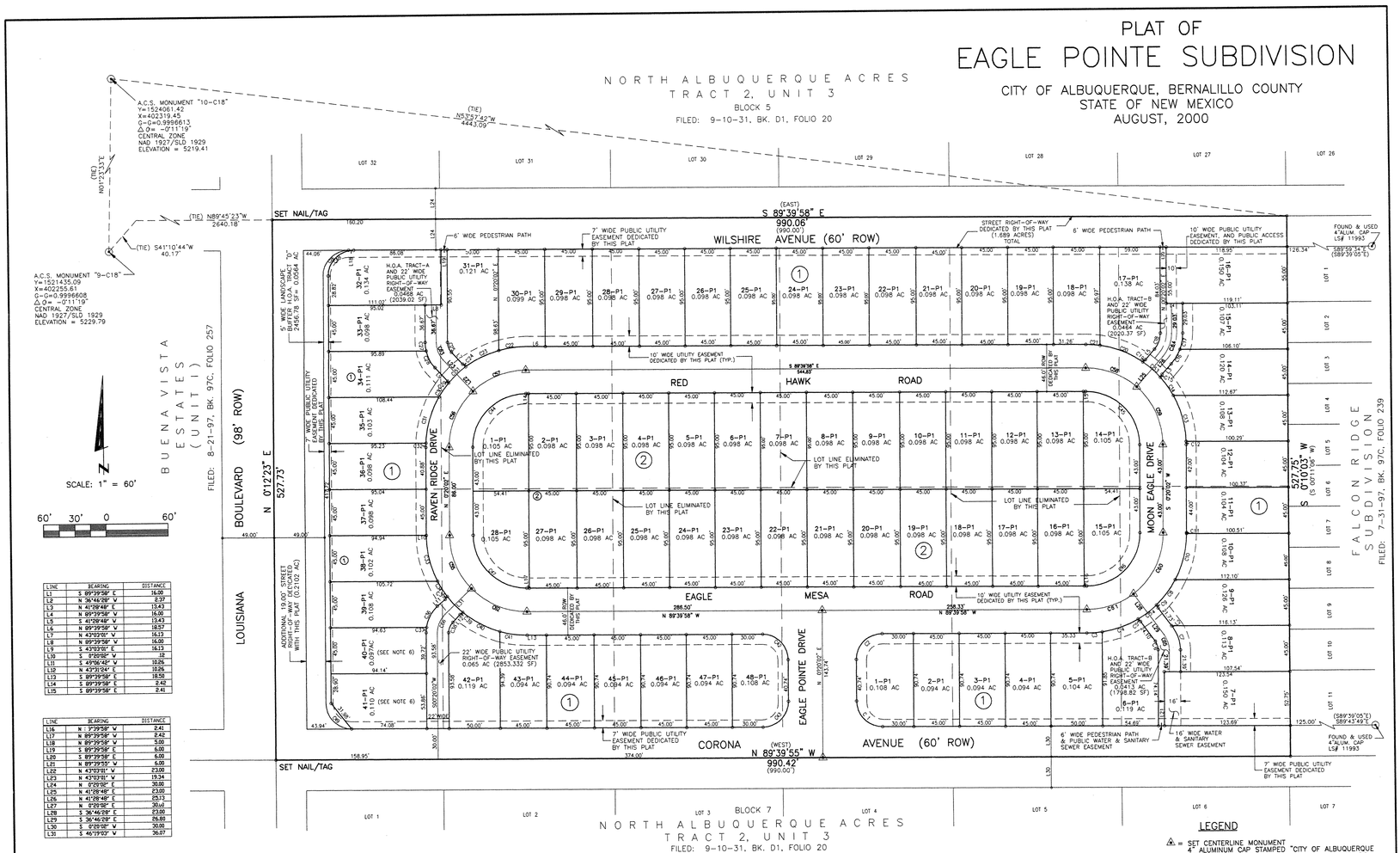
EAGLE POINTE SUBDIVISION			
BERNALILLO COUNTY NM		PROJECT NO.	00012
DATE:	AUGUST, 2000	DRAWN BY	J.R.S.
REVISION DATES:	08/09/00 City Redlines	CHECKED BY	C.S.
		SHEET 1	OF 2

G04-081

SHT 2 of 2

PLAT OF
EAGLE POINTE SUBDIVISION

CITY OF ALBUQUERQUE, BERNALILLO COUNTY
STATE OF NEW MEXICO
AUGUST, 2000



LINE	BEARING	DISTANCE
L1	S 89°39'58" E	16.00
L2	N 36°46'28" E	2.37
L3	N 41°08'48" E	13.43
L4	S 89°39'58" V	16.00
L5	S 41°08'48" V	13.43
L6	S 89°39'58" V	18.57
L7	N 43°20'03" V	16.03
L8	N 89°39'58" V	16.00
L9	S 43°20'03" E	16.03
L10	S 0°20'03" V	12
L11	S 49°56'45" V	10.26
L12	S 43°20'24" E	10.26
L13	S 89°39'58" E	18.58
L14	S 89°39'58" E	2.42
L15	S 89°39'58" E	2.41

LINE	BEARING	DISTANCE
L16	N 1°39'58" V	2.41
L17	N 89°39'58" V	2.42
L18	N 89°39'58" V	5.00
L19	S 89°39'58" E	6.00
L20	S 89°39'58" E	6.00
L21	N 89°39'58" V	6.00
L22	N 43°20'31" V	23.00
L23	N 43°20'31" V	15.34
L24	N 0°20'00" E	30.00
L25	N 41°08'48" E	23.00
L26	N 41°08'48" E	23.13
L27	N 0°20'00" E	30.00
L28	S 36°46'28" E	23.00
L29	S 36°46'28" E	26.80
L30	S 0°20'00" V	30.00
L31	S 46°19'22" V	36.87

CURVE	ARC	DELTA	RADIUS	CHORD LENGTH	CHORD BEARING	TAN LENGTH
C1	39.27	89°59'57"	25.00	35.36	N 44°39'57" V	25.00
C2	39.27	90°00'00"	25.00	35.36	N 45°20'00" E	25.00
C3	14.73	8°36'33"	98.00	14.71	N 86°03'45" E	7.38
C4	37.34	21°49'48"	98.00	37.11	N 70°48'35" E	18.90
C5	3.39	12°56'49"	15.00	3.38	S 43°24'58" E	1.70
C6	9.67	37°06'20"	14.00	8.91	S 38°13'23" E	4.79
C7	23.32	37°06'20"	36.00	22.91	N 38°13'23" V	12.08
C8	25.18	18°13'44"	98.00	25.05	N 37°06'20" E	15.72
C9	3.39	12°56'49"	15.00	3.38	N 30°08'54" V	1.70
C10	46.88	27°24'20"	98.00	46.44	N 14°37'20" E	23.90
C11	1.00	0°20'00"	98.00	1.00	N 0°37'33" E	.50
C12	3.00	1°45'17"	98.00	3.00	N 0°38'36" V	1.50
C13	47.16	27°34'20"	98.00	46.71	N 15°12'05" V	24.05
C14	21.99	12°51'06"	98.00	21.95	N 20°22'22" V	11.04
C15	3.39	12°56'49"	15.00	3.38	N 30°08'54" E	1.70
C16	16.72	20°49'37"	46.00	16.63	N 31°02'25" E	8.45
C17	16.26	20°19'29"	46.00	16.23	N 30°39'36" E	8.24
C18	17.24	41°08'48"	24.00	16.87	S 20°46'55" V	9.01
C19	3.39	12°56'49"	15.00	3.38	S 43°24'58" V	1.70
C20	45.18	26°24'55"	98.00	44.78	N 58°27'48" V	23.00
C21	13.79	8°03'44"	98.00	13.78	N 85°38'48" V	6.91

CURVE	ARC	DELTA	RADIUS	CHORD LENGTH	CHORD BEARING	TAN LENGTH
C22	26.76	15°38'46"	98.00	26.68	S 88°28'29" V	13.46
C23	35.90	20°59'21"	98.00	35.70	S 64°10'30" V	18.16
C24	3.94	15°06'27"	15.00	3.93	N 50°34'14" V	1.98
C25	10.63	43°20'03"	14.00	10.38	N 43°20'03" E	5.57
C26	39.33	90°01'29"	25.00	35.39	N 45°16'13" E	25.06
C27	8.41	17°02'44"	36.00	8.39	S 4°21'35" E	4.22
C28	18.85	30°00'13"	36.00	18.64	S 69°38'31" E	9.65
C29	3.94	15°06'27"	15.00	3.93	S 35°31'48" E	1.98
C30	16.74	9°47'14"	98.00	16.72	S 35°38'05" V	8.39
C31	47.32	27°40'18"	98.00	46.87	S 16°34'43" V	24.14
C32	4.12	2°24'36"	98.00	4.12	S 1°32'09" V	2.06
C33	46.62	27°15'19"	98.00	46.18	S 13°17'27" E	23.76
C34	17.73	10°22'35"	98.00	17.72	S 30°06'34" E	8.90
C35	3.46	13°13'52"	15.00	3.45	S 39°42'07" V	1.74
C36	27.60	37°03'20"	36.00	27.18	S 27°32'27" V	14.24
C37	5.50	8°25'49"	36.00	5.51	N 4°32'56" E	2.65
C38	11.24	45°59'07"	14.00	10.94	N 27°17'22" E	5.94
C39	3.46	13°13'52"	15.00	3.45	N 52°55'59" E	1.74
C40	40.89	23°54'29"	98.00	40.60	S 62°10'17" E	20.75
C41	26.64	15°42'06"	98.00	26.75	S 81°43'13" E	13.50
C42	39.27	90°00'00"	25.00	35.36	S 44°39'58" E	25.00
C43	39.27	90°00'00"	25.00	35.36	S 45°20'03" V	25.00

CURVE	ARC	DELTA	RADIUS	CHORD LENGTH	CHORD BEARING	TAN LENGTH
C44	81.68	90°00'00"	52.00	73.54	S 45°20'03" E	52.00
C45	81.68	90°00'00"	52.00	73.54	S 44°39'58" E	52.00
C46	81.68	90°00'00"	52.00	73.54	S 45°20'03" V	52.00
C47	81.68	90°00'00"	52.00	73.54	N 44°39'58" V	52.00
C48	39.33	90°01'29"	25.00	35.39	S 45°16'13" E	25.06
C49	39.81	89°58'19"	25.00	35.82	S 44°42'46" E	24.94
C50	27.24	43°20'03"	36.00	26.61	N 21°31'30" V	14.32
C51	23.08	13°29'45"	98.00	23.03	S 46°56'55" V	11.59
C52 DELETE	33.93	41°08'48"	46.00	33.33	S 20°54'55" V	17.87
C53	22.81	13°20'14"	98.00	22.76	N 48°29'46" V	11.46
C54	20.81	12°20'18"	98.00	20.76	N 53°17'39" E	11.46
C55	57.62	44°10'59"	75.00	56.21	N 21°42'21" V	30.31
C56	61.08	46°36'57"	75.00	59.35	N 23°38'31" E	32.31
C57	56.79	43°23'03"	75.00	55.44	N 68°39'30" E	29.83
C58	53.86	41°08'44"	75.00	52.71	S 69°05'05" E	28.15
C59	63.95	48°51'14"	75.00	62.03	S 24°05'05" E	34.06
C60	69.24	52°33'30"	75.00	66.80	S 26°46'47" V	37.31
C61	48.57	37°06'20"	75.00	47.73	S 71°46'47" V	25.17
C62	60.19	45°99'00"	75.00	58.59	N 64°40'27" V	31.82
C63	18.93	43°20'03"	25.00	18.48	N 21°31'30" V	9.94
C64	25.13	41°08'44"	35.00	24.60	N 20°54'55" E	13.24
C65	16.19	37°06'20"	25.00	15.91	S 21°31'30" E	8.39

LEGEND

- ⊗ = SET CENTERLINE MONUMENT 4" ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION, SURVEY MARKER, DO NOT DISTURB", PLS#13473
- ○ = SET SURVEY MONUMENT– 1/2" REBAR W/ PLASTIC SURVEY CAP –LS#13473
- ⊙ =FOUND SURVEY MONUMENT– DESCRIPTION AS NOTED.

CLINT SHERRILL & ASSOC.
730 SAN MATEO S. E.
ALBUQUERQUE, NEW MEXICO 87108
(505) 256-7364 (505) 256-7600 FAX

EAGLE POINTE SUBDIVISION

BERNALILLO COUNTY NM		PROJECT NO.	00012
DATE:	AUGUST, 2000	DRAWN BY	J.R.S.
REVISION DATES:		CHECKED BY	C.S.
		SHEET 2 OF 2	

604.81

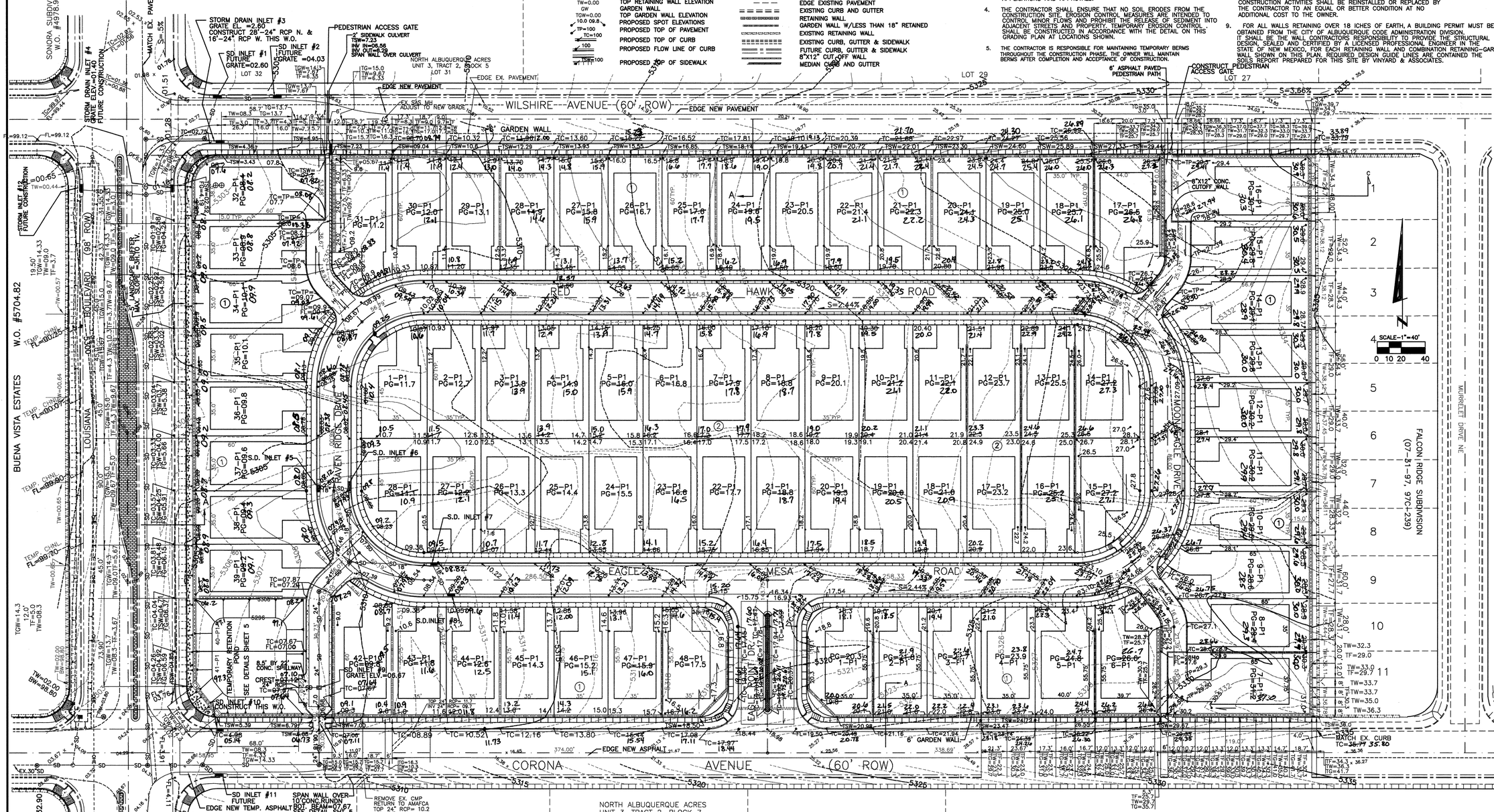
SHT. 3 of 23

LEGEND

5330 — EXISTING 1' CONTOUR	PROPOSED STANDARD CURB
5330 — EXISTING 5' CONTOUR	PROPOSED MOUNTABLE CURB
0.00 X — EXISTING SPOT ELEVATION	DEFERRED SIDEWALKS
—E— OVERHEAD ELECTRIC	PROPOSED STORM DRAIN INLET
TF=0.00 — TOP FOOTING ELEVATION	EDGE EXISTING PAVEMENT
TW=0.00 — TOP RETAINING WALL ELEVATION	EXISTING CURB AND GUTTER
GW — GARDEN WALL	RETAINING WALL
TGW=0.00 — TOP GARDEN WALL ELEVATION	GARDEN WALL W/LESS THAN 18" RETAINED
10.0 09.8 — PROPOSED SPOT ELEVATIONS	EXISTING RETAINING WALL
TP=100 — PROPOSED TOP OF PAVEMENT	EXISTING CURB, GUTTER & SIDEWALK
TC=100 — PROPOSED TOP OF CURB	FUTURE CURB, GUTTER & SIDEWALK
100 — PROPOSED FLOW LINE OF CURB	8"X12" CUT OFF WALL
TSW=100 — PROPOSED TOP OF SIDEWALK	MEDIAN CURB AND GUTTER

GENERAL NOTES

1. THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS TO COMPLY WITH EARTHWORK SPECIFICATIONS AS NOTED IN THE SOILS REPORT SUPPLIED BY THE OWNER.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE CONSTRUCTION SITE. EROSION CONTROL MEASURES ARE INTENDED TO CONTROL MINOR FLOWS AND PROHIBIT THE RELEASE OF SEDIMENT INTO ADJACENT STREETS AND PROPERTY. TEMPORARY EROSION CONTROL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL ON THIS GRADING PLAN AT LOCATIONS SHOWN.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TEMPORARY BERMS THROUGHOUT THE CONSTRUCTION PHASE. THE OWNER WILL MAINTAIN BERMS AFTER COMPLETION AND ACCEPTANCE OF CONSTRUCTION.
6. TEMPORARY EROSION CONTROL BERMS LOCATED ON INDIVIDUAL LOTS SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION OF EACH RESPECTIVE BUILDING IS COMPLETED ON A LOT BY LOT BASIS.
7. THE TOLERANCES FOR ROUGH GRADING SHALL CONFORM TO THE FOLLOWING:
   PAD SUBGRADE: ± 0.1'
   STREET SUBGRADE: ± 0.1'
   ALL OTHER AREAS: ± 0.3'
8. THERE ARE EXISTING WALLS LOCATED ADJACENT TO THIS PROJECT. ANY WALLS DAMAGED OR REMOVED BY THE CONTRACTOR DURING THE CONSTRUCTION ACTIVITIES SHALL BE REINSTALLED OR REPLACED BY THE CONTRACTOR TO AN EQUAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
9. FOR ALL WALLS RETAINING OVER 18 ICHES OF EARTH, A BUILDING PERMIT MUST BE OBTAINED FROM THE CITY OF ALBUQUERQUE CODE ADMINISTRATION DIVISION. IT SHALL BE THE WALL CONTRACTORS RESPONSIBILITY TO PROVIDE THE STRUCTURAL DESIGN, SEALED AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, FOR EACH RETAINING WALL AND COMBINATION RETAINING–GARDEN WALL SHOWN ON THIS PLAN. REQUIRED DESIGN GUIDE LINES ARE CONTAINED THE SOILS REPORT PREPARED FOR THIS SITE BY VINYARD & ASSOCIATES.

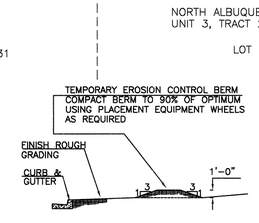


RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Sundance Mechanical, and by the surveyor, Clint Sherrill Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

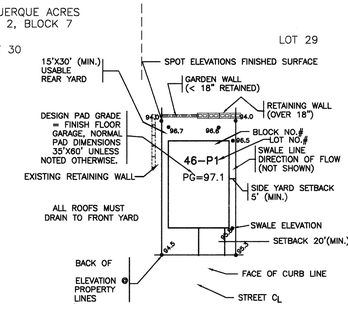
Mark Goodwin 2/06/01
Mark Goodwin NMPE 8948

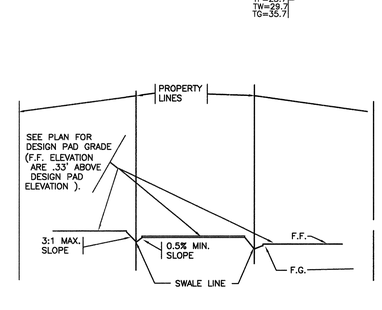
D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER



EROSION CONTROL BERM
TYPICAL SECTION THROUGH BERM N.T.S.

EROSION CONTROL BERMS ARE TO BE INSTALLED ON ALL LOTS ADJACENT TO THE PROPOSED STREETS OF THIS PROJECT, AND FOR THE 1ST 25' BACK FROM THE CURB ON EVERY FIFTH LOT





NTS

AS BUILT INFORMATION

CONTRACTOR SUNDANCE	DATE 1/00
WORK STAKED BY CLINT SHERRILL-ASSOC	DATE 1/00
INSPECTOR'S ACCEPTANCE BY DMG	DATE 12/00
VERIFICATION BY CLINT SHERRILL AS-BUILT	DATE 12/00
DRAWINGS CORRECTED BY CLINT SHERRILL AS-BUILT	DATE 12/00
RECORDED BY MICRO-FILM INFORMATION	DATE
NO.	

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT ACS ALUMINUM CAP STAMPED "9-C18 1985" LOCATED IN SW QUADRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD.
ELEVATION =5229.79, SLD 1929

SURVEY INFORMATION

FIELD NOTES
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
#1	5/26/00	ADD RET WALL INFO	

REVISIONS

		DATE
DESIGNED BY	RBR	11/29/99
DRAWN BY	RBR	11/29/99
CHECKED BY	RBR	11/29/99

DESIGN

RYALS engineering & construction services
4929 Idlewilde S.E. Albuquerque, NM 87108
(505) 265-8267 239-0194 mobile telephone

TITLE: CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

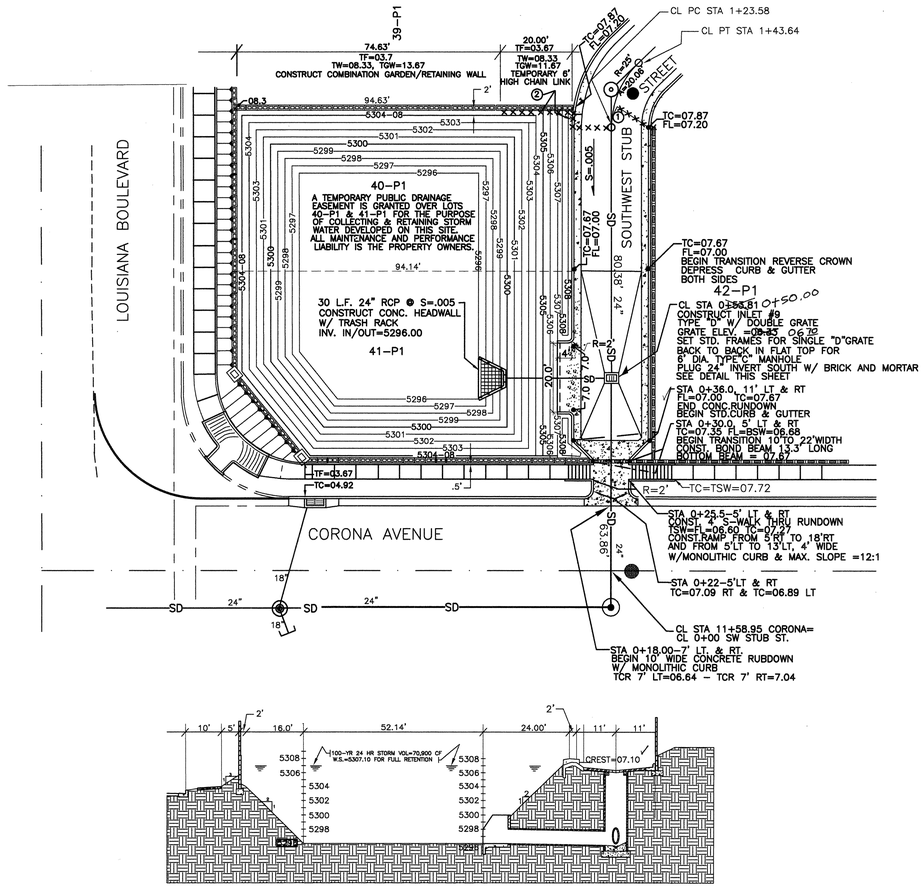
EAGLE POINT SUBDIVISION
GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
Approved	DRB			

City Project No.	Zone Map No.	Sheet	Of
6004.81	C-19	4	23

DWGO:\EAGLE\DRC\GP2 DATE06/23/00 TIME08:22 RYALS Engineering-SR

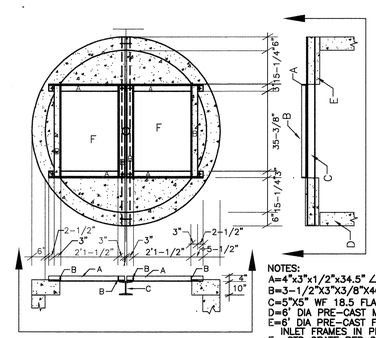
F:\DATA\DWGS\A00jobs\a0055eg1\Gp2.dwg Mon Aug 07 11:15:32 2000 PLOTTED BY NHM



GENERAL NOTES – INTERIM CONDITIONS:

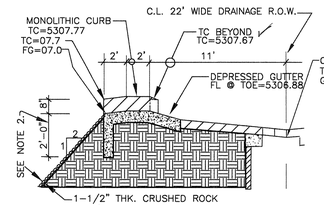
1. NO OUT LET – Q IN = PEAK 100 YR 6-HR STORM=39.9 CFS
2. 100 YEAR 24 HR VOLUME = 70,900 CUBIC FEET VOLUME PROVIDED @ ELEVATION 5307.10
3. SLOPES 2H:1V ALL AROUND DEPTH = 11.10 FEET STABILIZE SLOPES WITH 1-1/2" NOMINAL CRUSHED ROCK AND SEED WITH NATIVE GRASSES PER CITY SPECIFICATIONS
4. A RETAINING WALL IS REQUIRED BETWEEN ELEVATIONS 5304 & 5308 AT THE TOP OF THE NORTH, SOUTH & WEST SLOPES. SEAL ALL EXPOSED BLOCK SURFACES ON POND SIDE OF WALLS WITH BITUMINUS SEALER. COATING THICKNESS AND # OF COATS PER MANUFACTURER RECOMMENDATIONS TO OBTAIN A WATER TIGHT SEAL.
5. STORM DRAIN INLET #9 IS DESIGNED AS A COMBINATION INLET AND AND JUNCTION MANHOLE FOR THE STORM DRAIN AND IS ALSO THE POND INLET/OUTLET CONTROL MH.. FOR THIS WORK ORDER THE SOUTH OUTLET IS TO BE BLOCKED, WITH SUFFICIENT BRICK AND MORTAR, TO CREATE A WATER TIGHT SEAL UNDER THE PRESSURE RESULTING FROM THE MH BEING FULL. THE 6' DIA. MH IS TO BE FITTED W/ A 6'DIA. PRE-CAST FLAT TOP W/ 2 STD FRAMES FOR TYPE "D" GRATES CAST IN IT.
5. STORM DRAIN INLET #10 LOCATED ON THE NORTH CURB ON CORONA AND INLET #3 ON THE S.CURB OF WILSHIRE AND THEIR OUTFALL LATERALS ARE TO BE CONSTRUCTED WITH THIS WORK ORDER. PLUG THESE INLETS WITH SAND BAGS TO MINIMIZE INFILTRATION OF STORM WATER INTO THE STORM DRAINS THAT FOR THE INTERIM DO NOT DRAIN AND ARE CAPPED.
6. EXISTING TEMPORARY STORM DRAINAGE FACILITIES PRESENTLY IN SERVICE MANAGE EXISTING FLOWS THAT DEVELOPE EAST OF LOUISIANA. FROM CL OF CORONA EXISTING FLOW SOUTH OF CORONA CL IS CONVEYED TO A TEMPORARY INLET ON THE EAST ROW OF LA. AVE. 120 SOUTH OF CORONA. THE INLET OUTFALLS TO AN EXISTING S.D. LOCATED IN LA CUEVA OESTE SUBDIVISION. A TEMPORARY ASPHALT LINED SWALE RUNS FROM NORTH SOUTH ALONG THE WEST LOUISIANA ROW BETWEEN WILSHIRE & CORONA. THIS SWALE OUTFALLS VIA AN EX. TEMP.INLET & S.D. CONNECTED TO THE CORONA SD. WHICH PRESENTLY OUTFALLS TO A RETENTION POND NEAR SAN PEDRO. FLOW NORTH OF WILSHIRE RUNS CONTRCTOR SHALL BECOME FAMILIAR WITH THESE FACILITIES AND KEEP THEM IN SERVICE THROUGH OUT THE COURSE OF CONSTRUCTING THIS PROJECT. ALL PAVING AND GRADING OPERATIONS WEST OF THE EAST CURB RETURNS ON WILSHIRE SHALL BE SHALL BE PERFORMED AS REQUIRED MAKING SURE THAT RECONSTRUCTED ASPHALT AND GRADES WILL MAINTAIN EXISTING FLOW PATTERNS ACROSS LOUISIANA UPON COMPLETION OF THIS WORK ORDER.

INTERIM RETENTION POND
(CONSTRUCT THIS WORK ORDER)



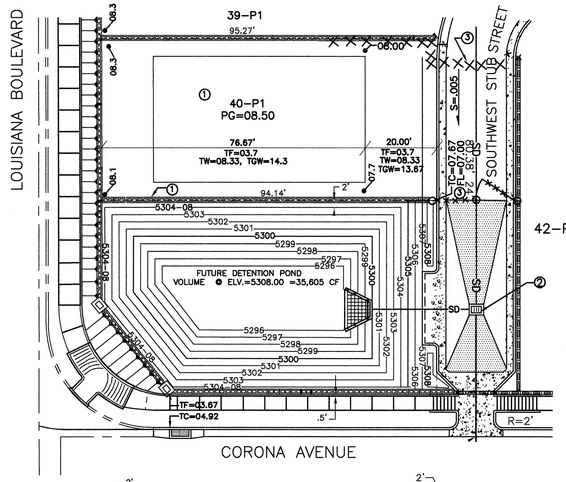
NOTES:
A=4"x3"x1/2"x34.5" ∠
B=3-1/2"X3"X3/8"X40-3/8" ∠
C=5"X5" WF 18.5 FLANGE BEAM
D=6' DIA PRE-CAST MANHOLE
E=6' DIA PRE-CAST FLAT TOP W/ INLET FRAMES IN PLACE.
F= STD GRATE PER COA STD DWG#2220

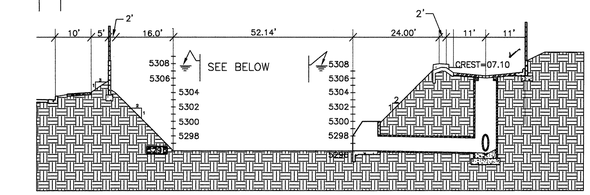
S.D. INLET #9 DETAIL



NOTES:
1. FOR FULL RETENTION 100 YR. 24 HR. W.S. ELEV.= 5307.10 TOTAL VOLUME = 70,900 CF
2. CONSTRUCT CONCRETE SPILLWAY 6" THK. X 20 L.F. FACE TO FACE, WITH MONOLITHIC CURB AND 2 FOOT DEEP BY 8' THICK CONCRETE CUT OFF WALL.

EMERGENCY SPILLWAY DETAIL





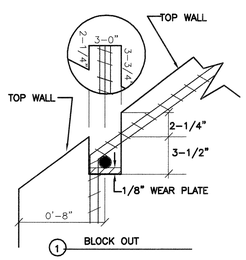
KEYED CONSTRUCTION NOTES FOR POND CONVERSION :

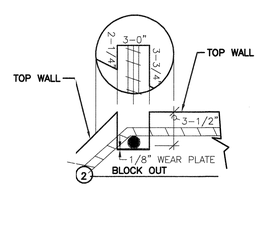
1. BACKFILL LOT 40 AND CONSTRUCT BLDG. PAD AS SHOWN. CONSTRUCT NORTHERN SLOPE AT MAX. 2H:1V WITH 4' RETAINING WALL. B/W ELV. 5304 & 5308. PLATE SLOPE W/ 1-1/2" NOMINAL CRUSHED ROCK AND SEED WITH NATIVE GRASSES.
2. KNOCK OUT BRICK & MORTAR PLUG IN SOUTH OUT LET OF SDI #9 AND REPLACE WITH ORIFICE SIZED FOR THE DESIRED MAX. OUT FLOW.
3. RELOCATE 6' CHAIN LINK FENCE AND 12' SWING GATE. INSTALL PER STD. DWG. #2252.

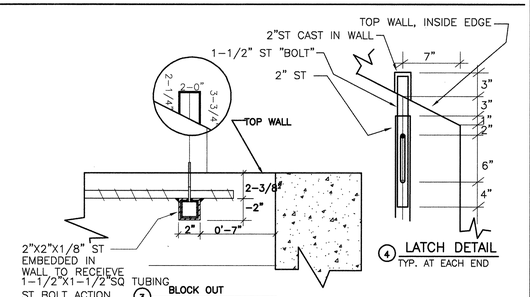
GENERAL NOTE
THE INFORMATION PROVIDED BY THIS DETAIL IS INTENDED TO ASSIST CITY STAFF IN THE DETERMINATION OF FARE SHARE ALLOCATION OF AVAILABLE OUTFALL CAPACITY. FURTHER IF FINAL DETERMINATION OF FARE SHARE IS WITHIN THE RANGE OF VALUES SHOWN HEREON THEN THIS DETAIL IS RELEVENT AND CAN BE USED TO CONVERT THE RETENTION POND TO THE DETENTION POND SHOWN.

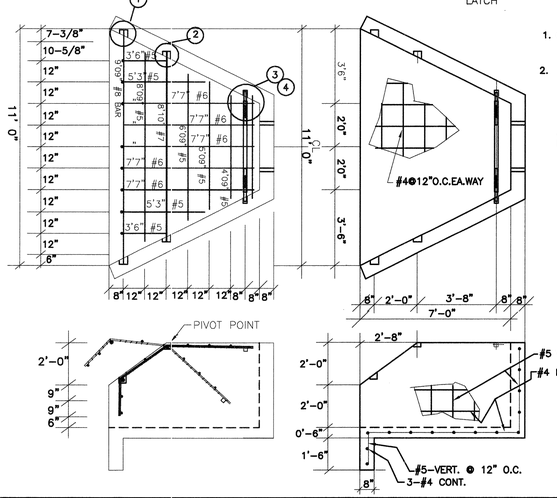
W.S.=07.9 @ Q-OUT=6.48 CFS
W.S.=07.0 @ Q-OUT=8.78 CFS
W.S.=06.7 @ Q-OUT=9.60 CFS
W.S.=06.2 @ Q-OUT=11.3 CFS

INFORMATION ONLY
FUTURE DETENTION POND





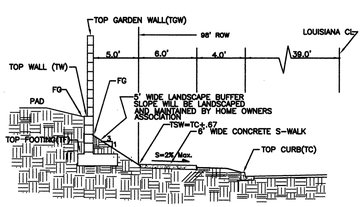




GENERAL NOTES – CONCRETE HEADWALL

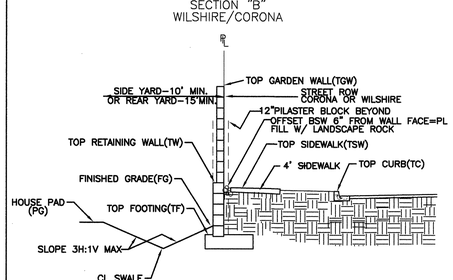
1. CONCRETE STRENGTH FOR HEADWALL STRUCTURE TO BE 4000 PSI AND SHALL BE IN COMPLIANCE WITH MIX DESIGN CRITERIA SET FORTH IN SECTION 300 OF THE STD SPECIFICATIONS FOR HYDRAULIC STRUCTURES.
2. CONSTRUCT TRASH RACK W/ A36 REBAR. SPOT WELD ALL CROSSINGS. SIZE REBAR AS SHOWN. INSTALL BLOCK OUTS FOR RACK BEARING POINTS. CONSTRUCT LATCH ASSEMBLY UTILIZING 2" SQ. TUBING W/ 1-1\2" ST INSERTED AT EACH END TO SERVE AS "BOLT ACTION" LATCH. TACK WELD ALL LONG.REBAR MEMBERS TO THE TUBING. CAST INPLACE ON EACH WALL 2" TUBING AS SHOWN TO TO SERVE AS RECEPTACALS FOR 1-1/2" ST "BOLTS". PROVIDE 5/8" WIDE SLOT 6" LONG AT EACH END OF 2" AND WELD 4" LONG 1/2" STUD TO 1-1/2" TUBES TO FACILITATE OPERATION OF "BOLT".

SECTION "A"
LOUISIANA BLVD.

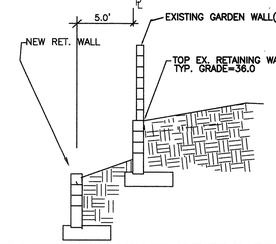


1. WORK ASSOCIATED WITH THIS WORK ORDER IS CONSTRUCTING 6' CONC. S-WALK FROM THE NORTHERLY ROW RETURN AT LOUISIANA & CORONA TO SOUTHERLY ROW RETURN LOUISIANA AND WILSHIRE. COMBINATION GARDEN AND RETAINING WALL AND 5' LANDSCAPE STRIP TO ALSO BE CONSTRUCTED. C&G,PAVING AND MEDIAN CONSTRUCTION ARE DEFERRED.
2. WALL CONTRACTOR RESPONSIBLE FOR ACQUISITION OF WALL BUILDING PERMITS AND FURNISHING CERTIFIED DESIGN AS REQUIRED FOR PERMITS.
3. COAT ALL BLOCK SURFACE ONE COURSE OR/AND MOR BELOW FINISHED GRADE WITH A BITUMINUS SEALER.

SECTION "B"
WILSHIRE/CORONA



EAST BOUNDARY WALL SECTION



1. PRIOR TO CONSTRUCTION OF FOOTING WALL CONTRACTOR TO VERIFY ELEVATION OF EXISTING FOOTING SUCH THAT AN ACCURATE RETAINED HEIGHT CAN BE DETERMINED BASED ON THE RELATIONSHIP TOP NEW WALL=TF EX.+/- 4"
2. COAT ALL BLOCK SURFACES 1-COURSE OR MORE BELOW GRADE AND OPPOSITE EXPOSED SURFACE WITH BITUMINUS COAL TAR. APPLY PER MANUFACTURER RECOMMENDATIONS TO ASSURE WATER PROOFING OF SURFACE.

AS BUILT INFORMATION
CONTRACTOR SUNDANCE DATE 11/00
WORK STAKED BY CLINT SHERRELL + RISER DATE 4/00
CONSTRUCTED BY DATE 12/00
ACCEPTANCE BY DNG DATE
FIELD LOCATION BY CLINT SHERRELL + RISER DATE 12/00
CORRECTED DRAWINGS BY CLINT SHERRELL + RISER DATE 12/00
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
CITY OF ALBUQUERQUE SURVEY MONUMENT
ACS ALUMINUM CAP STAMPED "9-C18 1985"
LOCATED IN SW QUADRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD. .
ELEVATION =5229.79, SLD 1929

SURVEY INFORMATION
FIELD NOTES
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY RBR DATE
DRAWN BY DATE
CHECKED BY DATE

DWG:C:\EAGLE\DWG\19-GDET DATE07/05/00 TIME14:52 RYALS Engineering-BR

RYALS engineering & construction services
4929 Idlewilde S.E. Albuquerque, NM 87108
(505) 256-4701 239-0194 mobile telephone

TITLE: CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

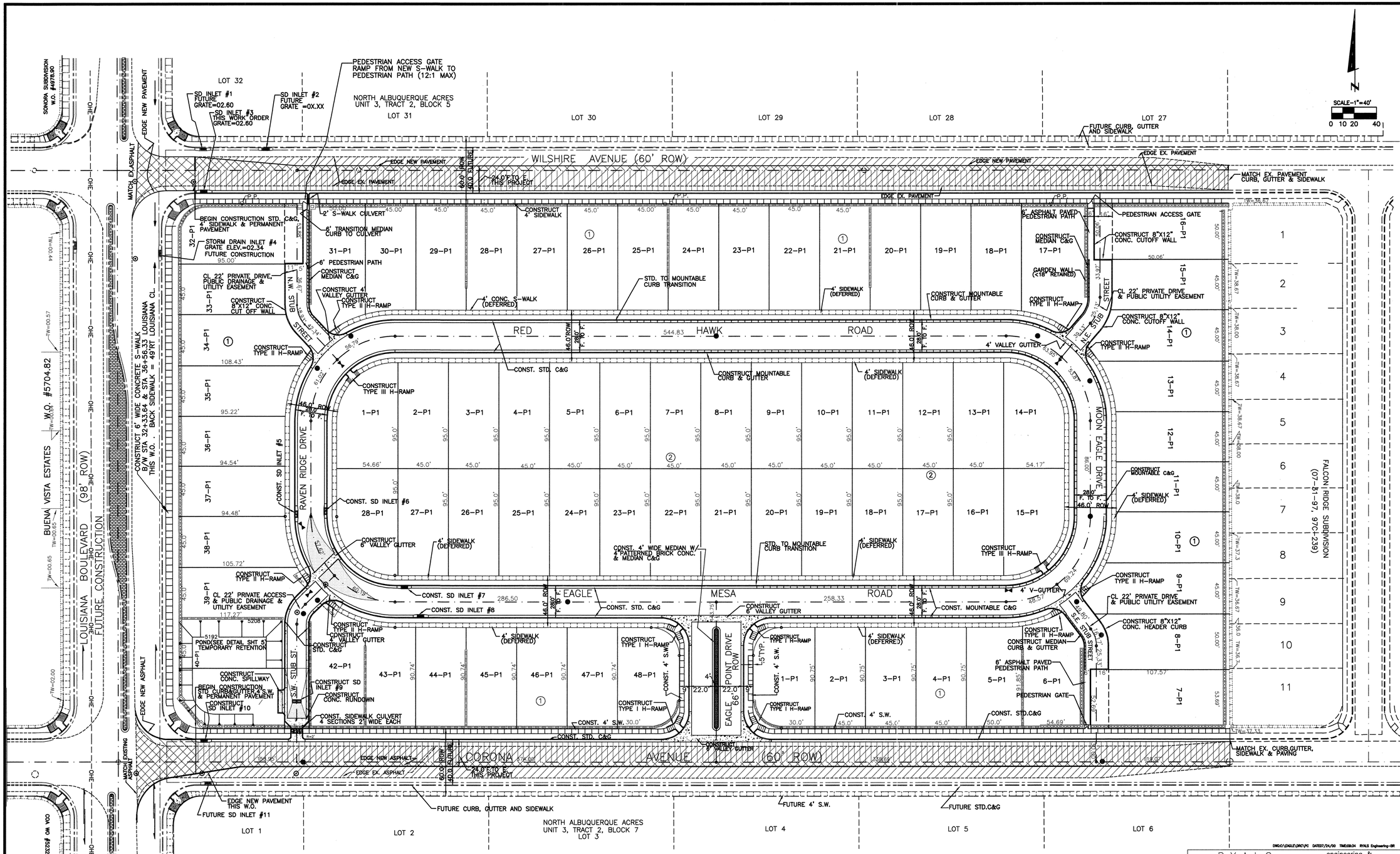
EAGLE POINT SUBDIVISION
GRADING DETAILS

Design Review Committee | City Engineer (Approval) | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

APPROVED SEP 14 2000 CITY ENGINEER

City Project No. 6004.81 | Zone Map No. C-19 | Sheet 5 Of 23

F:\DATA\DWGS\A00jobs\a0055eg1\1b-gdet.dwg Mon Aug 07 11:16:48 2000 PLOTTED BY NMM



LEGEND

- HANDICAPPED RAMP-TYPE I
- H.C. RAMP-TYPE II
- VALLEY GUTTER
- RETAINING WALL
- GARDEN WALL (< 18" RETAINED)
- EXISTING RETAINING WALL
- EXISTING CURB, GUTTER & SIDEWALK
- FUTURE CURB, GUTTER & SIDEWALK
- 50' PAVEMENT TRANSITION
- PROPOSED STANDARD CURB
- PROPOSED MOUNTABLE CURB
- DEFERRED SIDEWALKS
- PROPOSED STORM DRAIN INLET
- 8"X12" CUT OFF WALL
- MEDIAN CURB AND GUTTER
- SIDEWALK THIS WORK ORDER
- STREET CENTER LINE
- EXISTING EDGE OF ASPHALT
- REMOVE & DISPOSE EX. ASPHALT
- PAVE W/ TEMPORARY PAVEMENT SECTION
- PAVE W/ PERMANENT PAVEMENT SECTION

STORM DRAIN INLET SCHEDULE

SD INLET #	TYPE	STREET	STATION	GRATE EL.	INV. EL.	LATERAL	STATUS
SD INLET #1	TYPE "C" DOUBLE GRATE	WILSHIRE	10+73.89 20'LT	5302.26	5297.16	24'-18"	FUTURE*
SD INLET #2	TYPE "A" DOUBLE GRATE	WILSHIRE	11+23.89 20'LT	5304.09	5300.09	44'-18"	FUTURE
SD INLET #3	TYPE "A" DOUBLE GRATE	WILSHIRE	10+69.11 20'RT	5302.11	5297.16	8'-18"	THIS WO
SD INLET #4	TYPE "A" DOUBLE THROAT DOUBLE GRATE	LOUISIANA	36+56.53 39'RT	5300.67	5296.46	24'-18"	FUTURE
SD INLET #5	TYPE "A" DOUBLE GRATE	RAVEN R.	10+57.62 14'LT	5307.70	5303.70	24'-18"	THIS WO
SD INLET #6	TYPE "A" DOUBLE GRATE	RAVEN R.	10+57.62 14'RT	5307.70	5303.40	61'-18"	THIS WO
SD INLET #7	TYPE "A" DOUBLE GRATE	EAGLE M.	10+65.43 14'LT	5308.60	5304.71	68'-18"	THIS WO
SD INLET #8	TYPE "A" DOUBLE GRATE	EAGLE M.	10+78.69 14 RT	5309.20	5304.80	29'-18"	THIS WO
SD INLET #9	TYPE "D" DOUBLE GRATE	SW STUB	00+53.81 CL	5306.67	5295.75	32'-24"	THIS WO
SD INLET #10	TYPE "A" DOUBLE GRATE	CORONA	10+73.89 20'LT	5304.49	5299.49	29'-18"	THIS WO
SD INLET #11	TYPE "C" DOUBLE GRATE	CORONA	10+70.56 20'RT	5304.55	5300.00	8'-18"*	FUTURE*
SD INLET #12	TYPE "A" DOUBLE THROAT SINGLE GRATE	LOUISIANA	36+56.53 39'RT	5301.18	5296.48	56'-18"	FUTURE

* INLET FUTURE LATERAL FOR INLET THIS W.O.

AS BUILT INFORMATION

CONTRACTOR SUNDANCE 11/00
STAKED BY CLINT SHERRILL + ASSOC. 9/00
INSPECTOR'S ACCEPTANCE BY DMG 12/00
FIELD VERIFICATION BY CLINT SHERRILL + ASSOC. 12/00
DRAWINGS REVISED BY CLINT SHERRILL + ASSOC. 12/00
CORRECTED BY CLINT SHERRILL + ASSOC. 12/00
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.
CITY INSPECTOR

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
ACS MONUMENT "11-D18"
ELEV. = 5235.67

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

D. MARK GOODWIN NEW MEXICO 9068 REGISTERED PROFESSIONAL ENGINEER 8/28/00

REMARKS

REVISIONS

NO.	DATE	DESIGN	BY	DATE

DESIGNED BY RBR
DRAWN BY: RBR
CHECKED BY: RBR

DWG:C:\EAGLE\DRC\PC DATE07/24/00 TIME09:34 RYALS Engineering-BR

R Y A L S engineering & construction services
4929 Idlewilde Lane S.E. Albuquerque, NM 87106
(505) 265-8267 239-0194 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE POINT SUBDIVISION
PAVING COMPOSITE

Design Review Committee: AUG 24 2000 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED SEP 14 2000 CITY ENGINEER

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
600481	C-19	6	23

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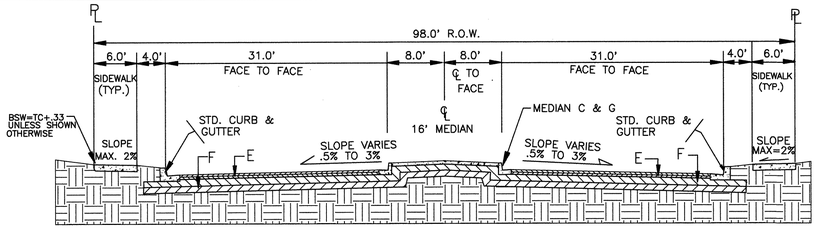
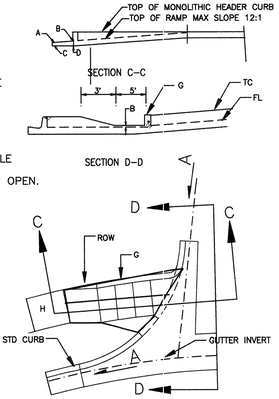


FUTURE CONSTRUCTION
FOR INFORMATION ONLY
LOUISIANA BOULEVARD

N.T.S.

GENERAL NOTES:

1. CONTRACTOR MUST OBTAIN BARRICADE PERMIT FROM CITY AND WILL BE REQUIRED TO COMPLETE WORK WITHIN TIME ALLOWED FOR ROAD CLOSURE. PHASED CONSTRUCTION MAY BE REQUIRED. NO ADDITIONAL PAYMENT WILL BE MADE FOR COSTS THAT MAY BE INCURRED DUE TO THE PHASING OF WORK OR OTHER PROBLEMS THAT MAY RESULT FROM MAINTENANCE OF TRAFFIC TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
2. FOR LOUISIANA TWO WAY PAVED ACCESS MUST BE AVAILABLE AT ALL TIMES. THIS MAY REQUIRE CONSTRUCTION OF A PAVED DETOUR ROAD AROUND WORK AREA.
3. PAVED ACCESS FOR EAST AND WEST BOUND THROUH TRAFFIC MUST BE AVAILABLE AT ALL TIMES. THIS CAN BE ACOMPLISHED UTILIZING CORONA AND WILSHIRE WHEREBY ONE LANE OF EACH STREET OR BOTH LANES OF ONE STREET MUST BE OPEN.



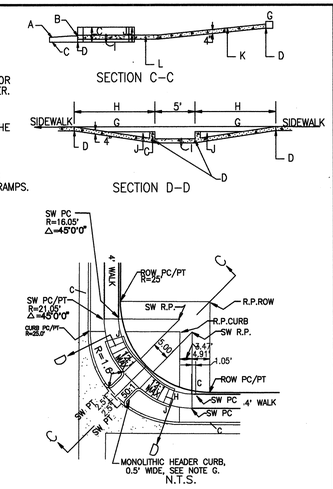
TYPE II WHEELCHAIR RAMP DETAIL

GENERAL NOTES:

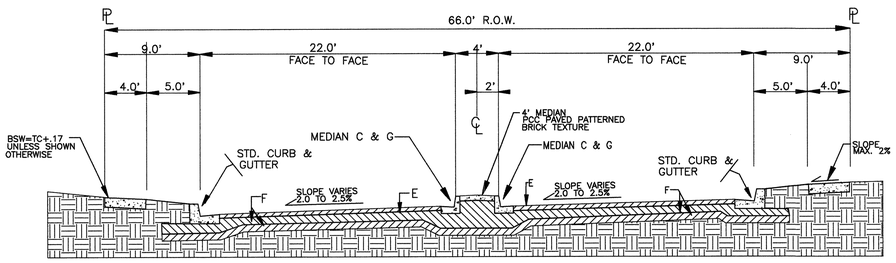
1. WHEEL CHAIR RAMPS ARE NORMALLY TO BE LOCATED AT THE CENTER OF THE RETURN OR AS DIRECTED BY THE CITY TRAFFIC ENGINEER.
2. SURFACE TEXTURE OF WHEEL CHAIR RAMPS SHALL BE OBTAINED BY HEAVY BROOMING (TEXTURE DEPTH .035"), TRANSVERSE TO THE SLOPE OF THE RAMP.
3. GUTTER FLOWLINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP. DRAINAGE CATCH BASIN STRUCTURES SHALL NOT BE PLACED IN LINE WITH THE RAMPS.

CONSTRUCTION NOTES:

A. SLOPE OF GUTTER DEPENDENT ON REQUIREMENTS FOR VALLEY GUTTER.
B. 1/2" LIP ABOVE FLOW LINE.
C. STD. CURB
D. 1/2" EXPANSION JOINT.
E. CONTRACTION (DUMMY) JOINT.
F. VARIABLE.
G. HEADER CURB, SEE DWG. 2415.
H. EXTEND RAMPS TO MATCH SIDEWALK GRADE.
I. LANDING–50:1 CROSS SLOPE
J. DAYLIGHT CURB TO FACE OF SIDE WALKS
K. SLOPE AS NEEDED TO MATCH HEADER CURB
K. 4" THICK CONCRETE PAD.

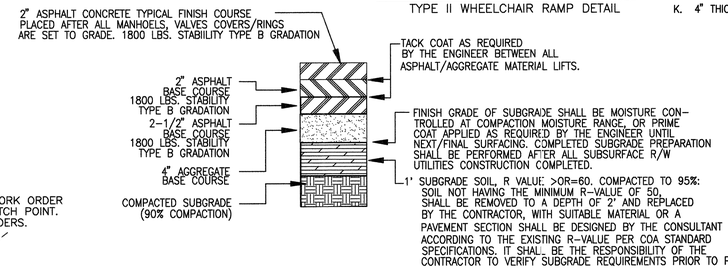


TYPE I WHEELCHAIR RAMP DETAIL



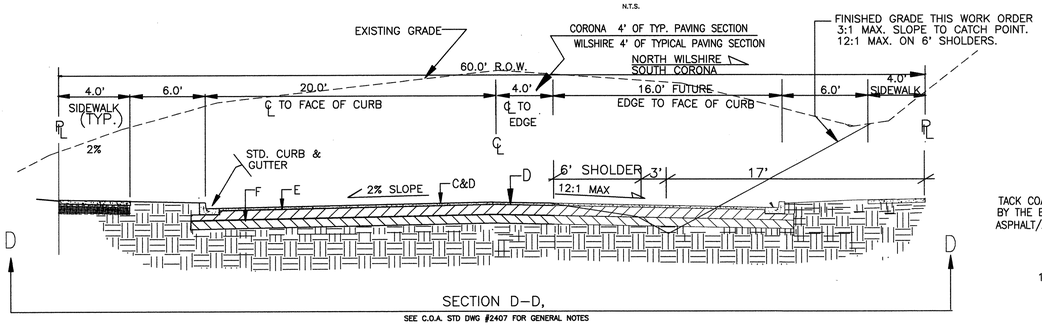
EAGLE POINT DRIVE

N.T.S.



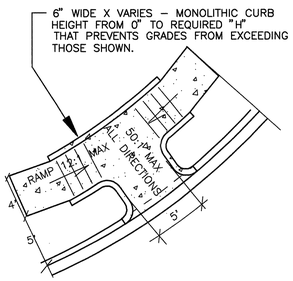
ARTERIAL PAVEMENT SECTION
LOUISIANA BOULEVARD (FUTURE CONSTRUCTION)

STD DWG #2407

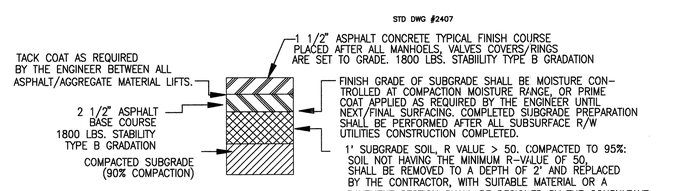


TYPICAL PAVING SECTION,
CORONA AVENUE & WILSHIRE AVENUE

N.T.S.

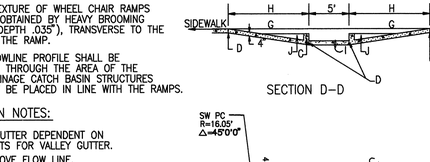


TYPE III WHEELCHAIR RAMP DETAIL

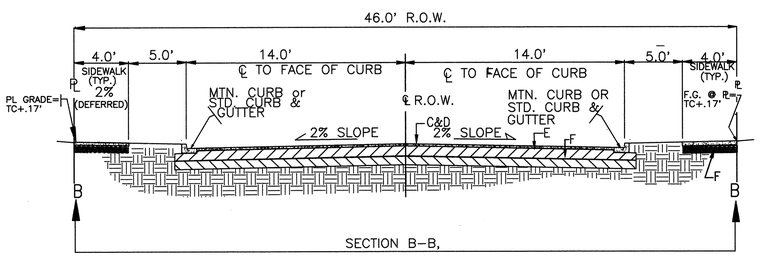


MAJOR LOCAL PAVEMENT SECTION
CORONA AVE., WILSHIRE AVE. & EAGLE POINT DRIVE

STD DWG #2407

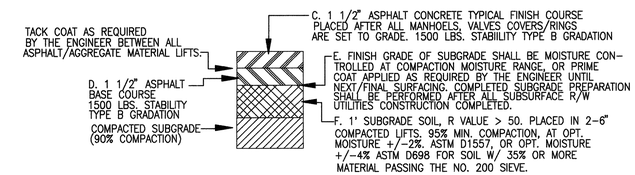


MOUNTABLE TO STANDARD CURB
FLOWLINE TRANSITION DETAIL

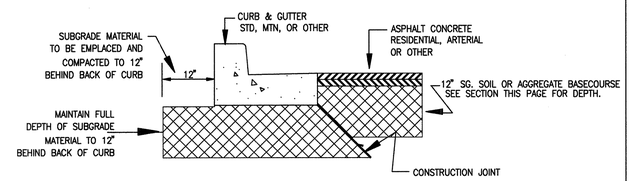


TYPICAL RESIDENTIAL STREET SECTION N.T.S.

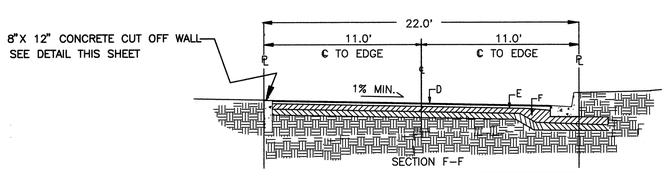
SEE C.O.A. STD DWG #2405 FOR GENERAL NOTES



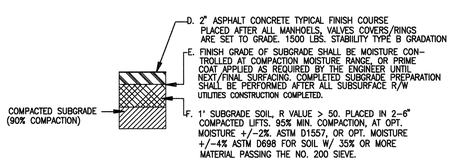
STD DWG #2405
ASPHALT CONCRETE
RESIDENTIAL PAVEMENT SECTION

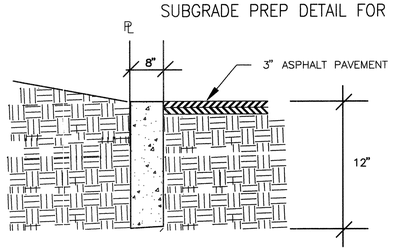


SUBGRADE PREP DETAIL FOR RES. PAVING SECTIONS



TYPICAL SECTION PRIVATE STUB STREETS N.T.S.





CONCRETE CUT OFF WALL
EDGE FOR STUB STREETS

DWG:C:\EAGLE\DRC\PDETAILS DATE07/24/00 TIME:16:05 RYALS Engineering–BR

AS BUILT INFORMATION

CONTRACTOR	SUNDANCE DATE 11/00
WORK STAKED BY	CLENT SHEPPELL + ASSOC. DATE 3/00
INSPECTOR'S FIELD CHANGE BY	DMG DATE 12/00
VERIFICATION BY	CLENT SHEPPELL + ASSOC.
AS-BUILTS REVIEWED BY	CLENT SHEPPELL DATE 12/00
CORRECTED BY	
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	
CITY INSPECTOR - W. ARE	

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
ACS ALUMINUM CAP STAMPED "9–C18 1985"
LOCATED IN SOUTHWEST QUADRANT OF WILSHIRE
AND SAN PEDRO BLVD.
ELEVATION = 5229.79, SLD 1929

SURVEY INFORMATION

FIELD NOTES
NO.

ENGINEER'S SEAL

DAVID GOODWIN NEW MEXICO 9680 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY RBR, DATE
DRAWN BY RBR DATE
CHECKED BY DATE

RYALS
4929 Idlewide S.E.
(505) 265–8267
engineering & construction services
Albuquerque, NM 87108
239–0194 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

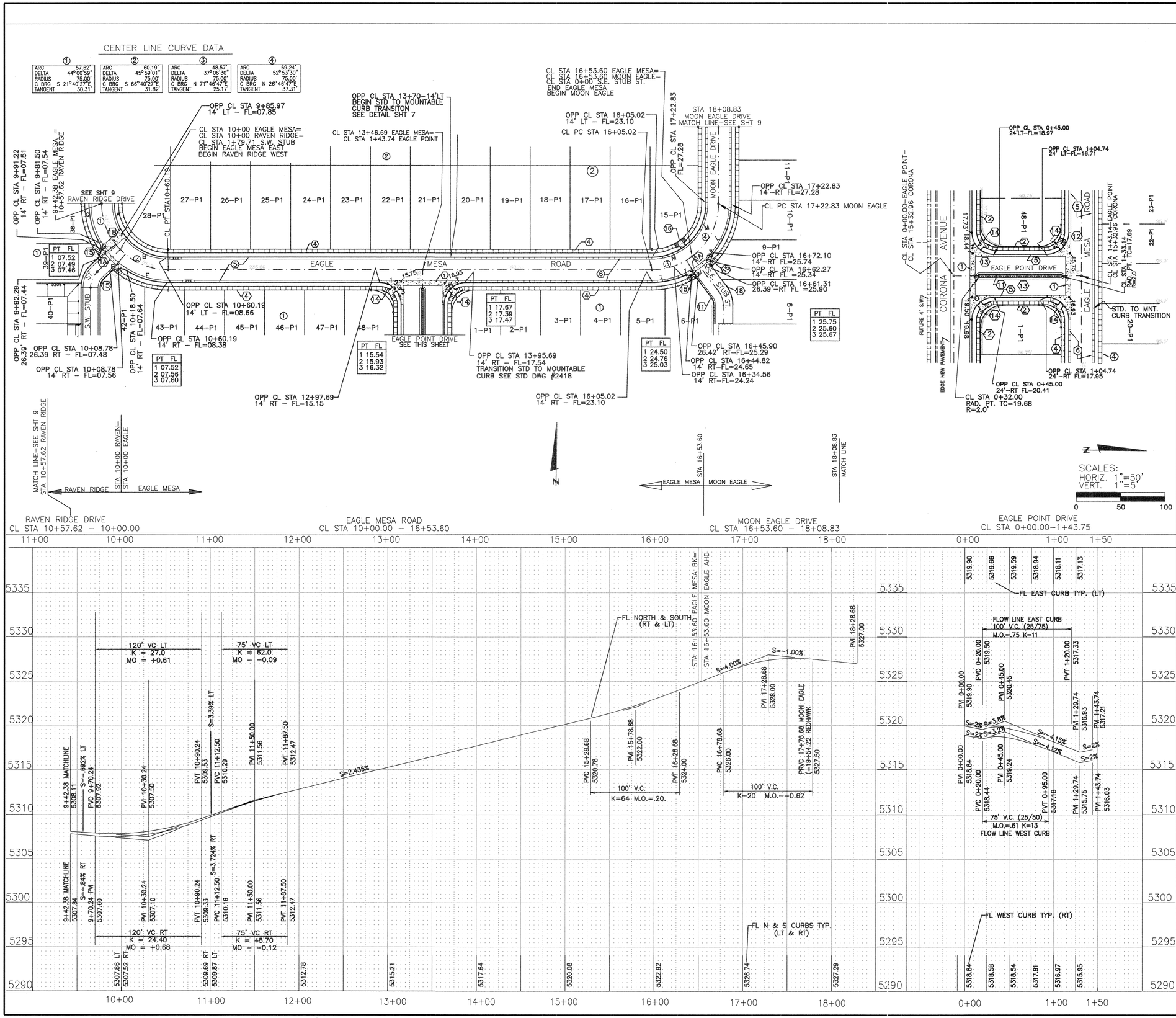
TITLE: EAGLE POINT SUBDIVISION PAVING DETAILS

Design Review Committee: AUG 24 2000 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED SEP 14 2000 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
6004 81	C–19	7	23



CURB CURVE CURVE DATA

NO.	ARC	DELTA	C BRG	RADIUS	TANGENT
A	46.86'	44°00'59"	S 21°40'27"E	61.00'	24.66'
B	48.96'	45°59'01"	S 66°40'27"E	61.00'	25.88'
C	45.88'	29°52'20"	S 14°26'08"E	89.00'	23.46'
D	19.77'	75°51'21"	S 08°33'23"W	15.00'	11.62'
E	19.77'	75°51'21"	N 84°04'43"E	15.00'	11.62'
F	48.94'	31°30'20"	S 73°54'47"E	89.00'	25.11'
G	39.27'	90°00'00"	S 44°59'58"E	25.00'	25.00'
H	39.27'	90°00'00"	N 45°20'02"E	25.00'	25.00'
I	35.15'	22°37'51"	N 79°01'07"E	89.00'	17.81'
J	19.77'	75°51'21"	S 74°32'08"E	15.00'	11.62'
K	19.77'	75°51'21"	N 00°59'12"E	15.00'	11.62'
L	59.67'	38°24'51"	N 19°32'27"E	89.00'	31.01'
M	95.82'	90°00'00"	N 45°20'02"E	61.00'	61.00'
N	39.27'	90°00'00"	N 45°20'03"E	25.00'	25.00'
O	39.27'	89°59'57"	N 44°49'57"W	25.00'	25.00

CONSTRUCTION NOTES:

1. 6' WIDE CONC. VALLEY GUTTER PER WITH 1" INVERT PER STD. DWG. 2420.
1B. 10' WIDE CONC. VALLEY GUTTER WITH 1" INVERT PER STD. DWG. 2420.
1A. 4' WIDE CONC. VALLEY GUTTER PER C.O.A. DWG. 2420.
2. CONSTRUCT 4' WIDE CONC. SIDEWALK PER STD. DWG. #2430 THIS WORK ORDER.
3. 50' TRANSITION CROWN TO NO CROWN PER STD. DWG. #2401.
4. 4' WIDE CONC. S.W. DEFERRED
5. CONSTRUCT STANDARD CURB & GUTTER PER C.O.A. DWG #2415.
6. CONSTRUCT MOUNTABLE CURB & GUTTER PER C.O.A. DWG #2415.
7. ADJUST EXISTING MAN HOLE RING & COVER TO MATCH NEW GRADE PER STD. DWG. #2460.
8. TRANSITION MOUNTABLE TO STANDARD CURB PER DETAIL, SHT. 7 OF 23.
9. TRANSITION MOUNTABLE TO STANDARD CURB AT WHEELCHAIR RAMP PER C.O.A. DWG. #2418.
10. CONSTRUCT MEDIAN PAVING – PATTERNED BRICK CONCRETE.
11. CONSTRUCT MEDIAN CURB & GUTTER PER C.O.A. STD DWG #2415.
12. CONSTRUCT RESIDENTIAL PAVEMENT PER DETAIL SHT 7 OF 23.
13. CONSTRUCT MAJOR LOCAL PAVEMENT PER DETAIL, SHT 7 OF 23.
14. CONSTRUCT TYPE I HANDICAPPED RAMP PER DETAIL SHEET 7 OF 23.
15. CONSTRUCT TYPE II HANDICAPPED RAMP PER DETAIL SHEET 7 OF 23.
16. CONSTRUCT TYPE III HANDICAPPED RAMP PER DETAIL SHEET 7 OF 23.
17. GARDEN WALL < 18" RETAINED BY OTHERS. TO BE CONSTRUCTED PRIOR TO CURB.
18. CONSTRUCT CONCRETE HEADER CURB PER DETAIL SHEET 7 OF 23
19. RETAINING WALL > 18" RETAINED BY OTHERS TO BE CONSTRUCTED PRIOR TO CURB.

LEGEND

DESCRIPTION	PROPOSED	EXISTING
STORM DRAIN MANHOLE		
SAS MANHOLE		
STD CURB AND GUTTER		
MOUNTABLE CURB AND GUTTER		
50' TRANSITION CROWN–NO CROWN		
VALLEY GUTTER		
WHEELCHAIR RAMP		

DWG:C:\EAGLE\DRC\EP1 DATE08/03/00 TIME:10:53 RYALS Engineering–BR

RYALS engineering & construction services
4929 Idlewilde S.E. Albuquerque, NM 87108
(505) 265–8267 239–0194 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
EAGLE POINT SUBDIVISION

TITLE: PAVING PLAN AND PROFILE
STA 10+57.62–10+00 RAVEN RIDGE STA 10+00–16+53.60 E. MESA
STA 16+53.60–18+08.83 MOON EAGLE STA 0+00–1+43.45 E. POINT

Design Review Committee | City Traffic Engineer | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

AUG 2 4 2000

APPROVED SEP 1 4 2000 CITY ENGINEER

City Project No.	Zone Map No.	Sheet	Of
600481	C–19	8	23

AS BUILT INFORMATION
CONTRACTOR SUNDANCE DATE 11/00
WORK STAKED BY CLINT SHEERILL + ASSOC. DATE 9/00
ACCEPTANCE BY DMG DATE 12/00
FIELD VERIFICATION BY CLINT SHEERILL + ASSOC. DATE 12/00
DRAWINGS CORRECTED BY CLINT SHEERILL + ASSOC. DATE 12/00
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
CITY OF ALBUQUERQUE SURVEY MONUMENT
ACS ALUMINUM CAP STAMPED "8–C18 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD.
ELEV. = 5226.79, SLD 1929

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DARK GOODWIN NEW MEXICO 9948 REGISTERED PROFESSIONAL ENGINEER
8/14/00

REVISIONS
NO. DATE REMARKS BY
DESIGNED BY RBR, HFB, CC DATE
DRAWN BY DATE
CHECKED BY DATE

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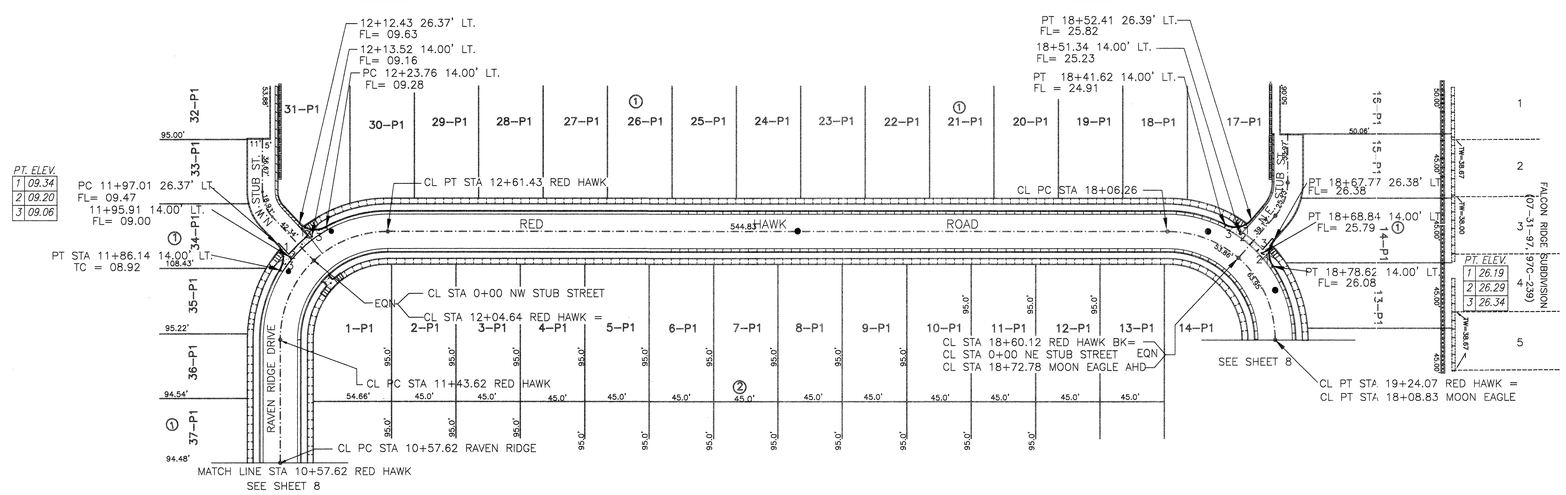


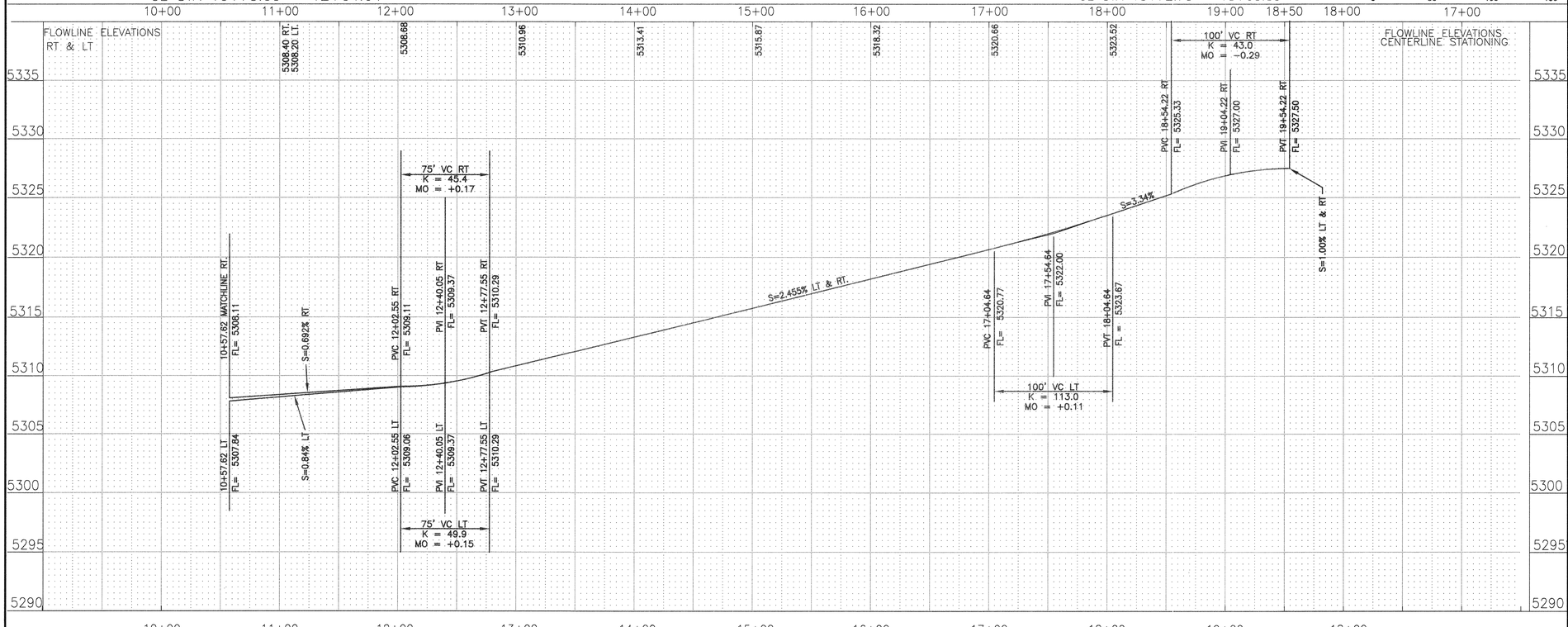
SCALES:
HORIZ. 1"=50'
VERT. 1"=5'

0 50 100 150

RAVEN RIDGE DRIVE
CL STA 10+75.00 – 12+04.64

RED HAWK ROAD
CL STA 12+04.64 – 18+60.12

MOON EAGLE DRIVE
CL STA 18+72.78 – 18+08.83



CURB CURVE CURVE DATA

NO.	ARC	DELTA	C BRG	RADIUS	TANGENT
A	46.86'	44°00'59"	S 21°40'27"E	61.00'	24.66'
B	48.96'	45°59'01"	S 66°40'27"E	61.00'	25.88'
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N	39.27'	90°00'00"	N 45°20'03"E	25.00'	25.00'
O	39.27'	89°59'57"	N 44°49'57"W	25.00'	25.00'

CONSTRUCTION NOTES:

1. CONC. VALLEY GUTTER PER C.O.A. DWG. 2420. (UNLESS OTHERWISE SHOWN.)
2. CONSTRUCT WHEELCHAIR RAMP PER DETAIL SHEET 14 OF 22
3. 50' TRANSITION PER C.O.A. DWG. 2401.
   4' WIDE CONC. S.W. BY OTHERS
4. CONSTRUCT STANDARD CURB & GUTTER PER C.O.A. DWG #2415.
5. CONSTRUCT MOUNTABLE CURB & GUTTER PER C.O.A. DWG #2415.
6. ADJUST EXISTING M.H. RIM TO MATCH PAVEMENT GRADE.
7. TRANSITION MOUNTABLE TO STANDARD CURB PER DETAIL, SHT. 14 OF 22
8. TRANSITION MOUNTABLE TO STANDARD CURB AT WHEELCHAIR RAMP PER C.O.A. DWG. #2418.
9. END 4' WIDE CONC. S/W, BEGIN 6' WIDE PEDESTRIAN TRAIL
10. CONSTRUCT MEDIAN CURB & GUTTER PER C.O.A. STD DWG #2415. INSTALL 4" MED. PVMT. PCC BRICK PATTERN
11. INSTALL RESIDENTIAL PAVING PER DETAIL, SHT 14 OF 22.
12. INSTALL MAJOR LOCAL PAVING PER DETAIL, SHT 14 OF 22.

LEGEND

- HANDICAPPED RAMP
- H.C. RAMP (NO SIDE STREET WALK)
- VALLEY GUTTER
- RETAINING WALL
- GARDEN WALL (< 18" RETAINED)
- EXISTING RETAINING WALL
- EXISTING CURB, GUTTER & SIDEWALK
- FUTURE CURB, GUTTER & SIDEWALK
- 50' PAVEMENT TRANSITION
- PROPOSED STANDARD CURB
- PROPOSED MOUNTABLE CURB
- DEFERRED SIDEWALKS
- PROPOSED STORM DRAIN INLET
- 8"X12" CUT OFF WALL
- MEDIAN CURB AND GUTTER
- SIDEWALK THIS WORK ORDER
- STREET CENTER LINE
- EXISTING EDGE OF ASPHALT
- REMOVE & DISPOSE EX. ASPHALT
- PAVE W/ TEMPORARY PAVEMENT SECTION
- PAVE W/ PERMANENT PAVEMENT SECTION
- SAS MANHOLE
- STORM DRAIN MANHOLE

REV 8-15-00 DMG
DWG:C:\EAGLE\DRC\RED DATE03/22/00 TIME:09:22 RYALS Engineering-BR

R Y A L S
engineering & construction services
5301 Central, N.E. Albuquerque, NM 87108
(505) 265-8267 239-0194 mobile telephone

AS BUILT INFORMATION
CONTRACTOR SUNDANCE DATE 11/00
WORK STAKED BY CLINT SHERRILL + ASSOCIATES DATE 9/00
FIELD VERIFICATIONS BY DMG DATE 12/00
ACCEPTANCE BY CLINT SHERRILL + ASSOCIATES DATE 12/00
VERIFICATION BY CLINT SHERRILL + ASSOCIATES DATE 12/00
DRAWINGS BY CLINT SHERRILL + ASSOCIATES DATE 12/00
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS ALUMINUM CAP STAMPED "9-C18 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD.
ELEV. = 5229.79, SLD 1929

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEW MEXICO 8649 REGISTERED PROFESSIONAL ENGINEER
9/13/00

REVISIONS
NO. DATE REMARKS BY
DESIGN
DESIGNED BY RBR, HFB, CC DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

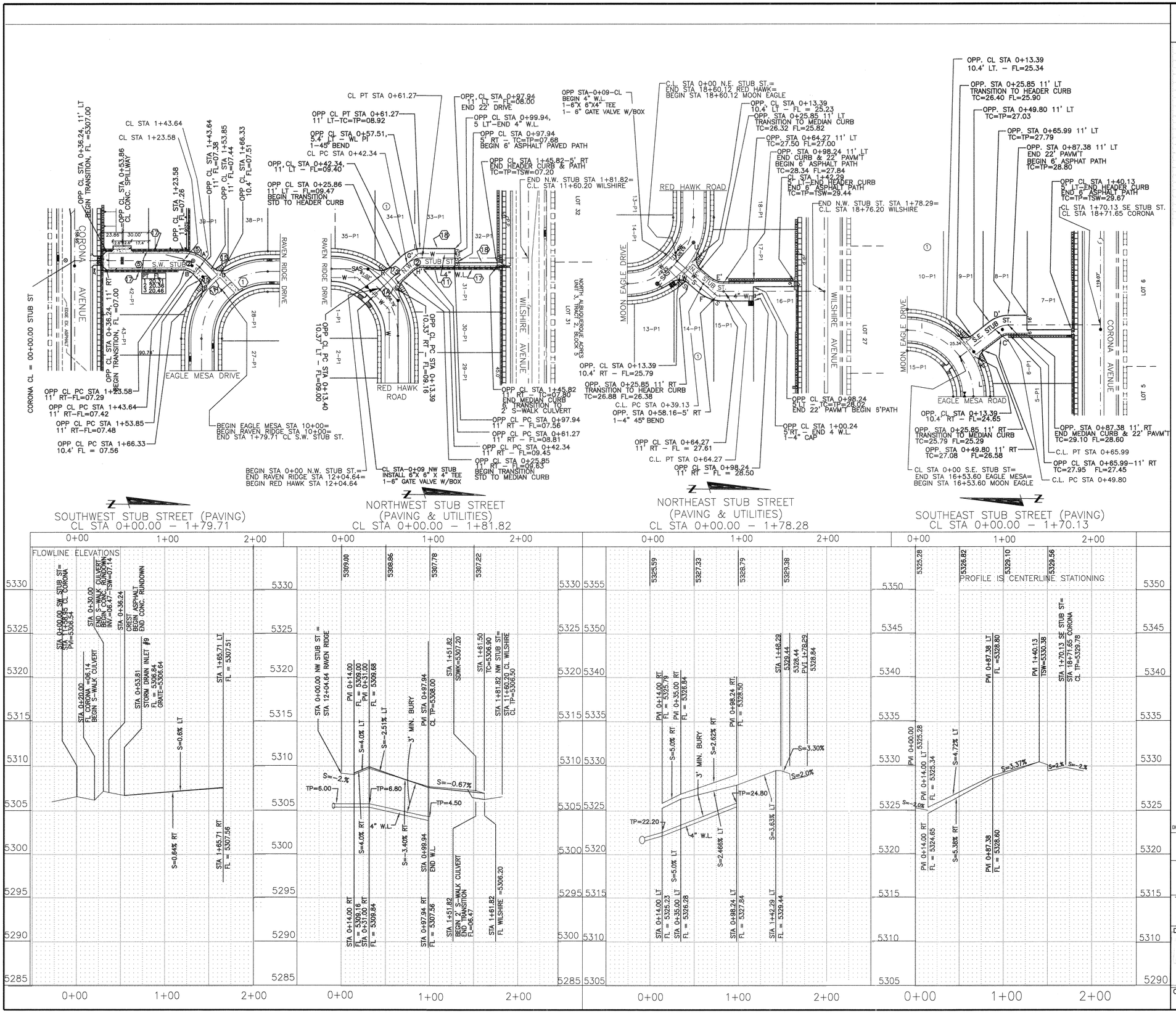
TITLE: EAGLE POINT SUBDIVISION
PAVING PLAN AND PROFILE
STA 10+75.00–12+04.64 RAVIN RIDGE–STA 12+04.64–18+60.12 REDHAWK
STA 18+72.78–18+08.83 MOON EAGLE

Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

APPROVED AUG 2 5 2000
APPROVED SEP 1 4 2000 CITY ENGINEER

City Project No.	Zone Map No.	Sheet	Of
600481	C-19	9	23

F:\DATA\DWGS\A005\ds\a0056eg1\Red.dwg Thu Aug 17 10:41:32 2000 PLOTTED BY NRM



CURB CURVE CURVE DATA

NO.	ARC	DELTA	C BRG	RADIUS	TANGENT
A'	28.89'	45°59'01"	N 23°19'32"E	36.00'	15.28'
B'	11.24'	45°59'01"	N 23°19'32"E	14.00'	5.94'
C'	9.07'	37°06'30"	S 18°13'13"E	14.00'	4.70'
D'	23.32'	37°06'30"	S 18°13'13"E	36.00'	122.08
E'	17.24'	41°08'46"	N 20°54'25"E	24.00'	9.01'
F'	33.03'	41°08'46"	N 20°54'25"E	46.00'	17.27'
G'	27.26'	43°23'03"	N 21°20'30"W	27.26'	14.32'
H'	10.60'	43°23'03"	N 21°21'30"W	25.00'	25.00'
A	46.86'	44°00'59"	S 21°40'27"E	61.00'	24.66'
B	48.96'	45°59'01"	S 66°40'27"E	61.00'	25.88'
C	45.88'	29°52'20"	S 14°26'08"E	89.00'	23.46'
D	19.77'	75°31'21"	S 08°33'23"W	15.00'	11.62'
E	19.77'	75°31'21"	N 84°04'43"E	15.00'	11.62'
F	48.94'	31°30'20"	S 73°54'47"E	89.00'	25.11'
G	39.27'	90°00'00"	S 44°39'58"E	25.00'	25.00'
H	39.27'	90°00'00"	N 45°20'02"E	25.00'	25.00'
I	35.15'	22°97'51"	N 79°01'07"E	89.00'	17.81'
J	19.77'	75°31'21"	S 74°32'08"E	15.00'	11.62'
K	19.77'	75°31'21"	N 00°59'12"E	15.00'	11.62
L	59.67'	38°24'51"	N 19°32'27"E	89.00'	31.01'
M	95.82'	90°00'00"	N 45°20'02"E	61.00'	61.00'
N	39.27'	90°00'00"	N 45°20'03"E	25.00'	25.00'
O	39.27'	89°59'57"	N 44°49'57"W	25.00'	25.00

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'

0 50 100 150

CONSTRUCTION NOTES:

1. 6' WIDE CONC. VALLEY GUTTER PER C.O.A. DWG. 2420 (UNLESS OTHERWISE SHOWN).
1A. 4' WIDE CONC. VALLEY GUTTER PER C.O.A. DWG. 2420 (UNLESS OTHERWISE SHOWN).
2. CONSTRUCT 4' WIDE CONC. SIDEWALK THIS WORK ORDER.
3. 50' TRANSITION PER C.O.A. DWG. 2401.
4. 4' WIDE CONC. S.W. DEFERRED
5. CONSTRUCT STANDARD CURB & GUTTER PER C.O.A. DWG #2415.
6. CONSTRUCT MOUNTABLE CURB & GUTTER PER C.O.A. DWG #2415.
7. ADJUST EXISTING M.H. RIM TO MATCH PAVEMENT GRADE.
8. TRANSITION MOUNTABLE TO STANDARD CURB PER DETAIL, SHT. 8 OF 22
9. TRANSITION MOUNTABLE TO STANDARD CURB AT WHEELCHAIR RAMP PER C.O.A. DWG. #2418.
10. CONSTRUCT MEDIAN PAVING – PATTERNED BRICK CONCRETE.
11. CONSTRUCT MEDIAN CURB & GUTTER PER C.O.A. STD DWG #2415. INSTALL.
12. INSTALL RESIDENTIAL PAVING PER DETAIL, SHT 8 OF 22.
13. INSTALL MAJOR LOCAL PAVING PER DETAIL, SHT 8 OF 22.
14. CONSTRUCT TYPE I HANDICAPPED RAMP SEE DETAIL SHEET 8 OF 22
15. CONSTRUCT TYPE II HANDICAPPED RAMP SEE DETAIL SHEET 8 OF 22
16. CONSTRUCT TYPE III HANDICAPPED RAMP SEE DETAIL SHEET 8 OF 22
17. GARDEN WALL < 18" RETAINED BY OTHERS. TO BE CONSTRUCTED PRIOR TO CURB.
18. CONSTRUCT CONCRETE HEADER CURB PER DETAIL SHEET 8 OF 22
19. RETAINING WALL > 18" RETAINED BY OTHERS TO BE CONSTRUCTED PRIOR TO CURB.
20. CONSTRUCT TYPE III HANDICAPPED RAMP SEE DETAIL SHEET 8 OF 22
21. CONSTRUCT TYPE III HANDICAPPED RAMP SEE DETAIL SHEET 8 OF 22
22. CONSTRUCT TYPE III HANDICAPPED RAMP SEE DETAIL SHEET 8 OF 22

LEGEND

- HANDICAPPED RAMP
- H.C. RAMP (NO SIDE STREET WALK)
- VALLEY GUTTER
- RETAINING WALL
- GARDEN WALL (< 18" RETAINED)
- EXISTING RETAINING WALL
- EXISTING CURB, GUTTER & SIDEWALK
- FUTURE CURB, GUTTER & SIDEWALK
- 50' PAVEMENT TRANSITION
- PROPOSED STANDARD CURB
- PROPOSED MOUNTABLE CURB
- DEFERRED SIDEWALKS
- PROPOSED STORM DRAIN INLET
- 6"X12" CUT OFF WALL
- MEDIAN CURB AND GUTTER
- SIDEWALK THIS WORK ORDER
- STREET CENTER LINE
- EXISTING EDGE OF ASPHALT
- REMOVE & DISPOSE EX. ASPHALT
- PAVE W/ TEMPORARY PAVEMENT SECTION
- PAVE W/ PERMANENT PAVEMENT SECTION

DWG:C:\EAGLE\DRC\STUBS-P DATE03/07/00 TIME:16:39 RYALS Engineering-BR

R Y A L S engineering & construction services
5301 Central, N.E. Albuquerque, NM 87108
(505) 265-8267 239-0194 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
EAGLE POINT SUBDIVISION

TITLE: PAVING PLAN AND PROFILE
SW STUB ST STA 0+00–1+79.71 NW STUB ST STA 0+00–1+81.82
SE STUB ST STA 0+00–1+70.13 NE STUB ST STA 0+00–1+78.29

Design Review Committee

AUG 2 4 2000

APPROVED
SEP 1 4 2000
CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
600481	C–19	10	23

AS BUILT INFORMATION
CONTRACTOR SUNDANCE DATE 11/00
WORK STAKED BY CLINT SHERRILL + ASSOC. DATE
INSPECTORS ACCEPTANCE BY DMG DATE 12/00
VERIFICATION BY CLINT SHERRILL + ASSOC. DATE
DRAWINGS CORRECTED BY CLINT SHERRILL + ASSOC. DATE 12/00
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS ALUMINUM CAP STAMPED "9-C18 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD. .
ELEV. = 5229.79, SLD 1929

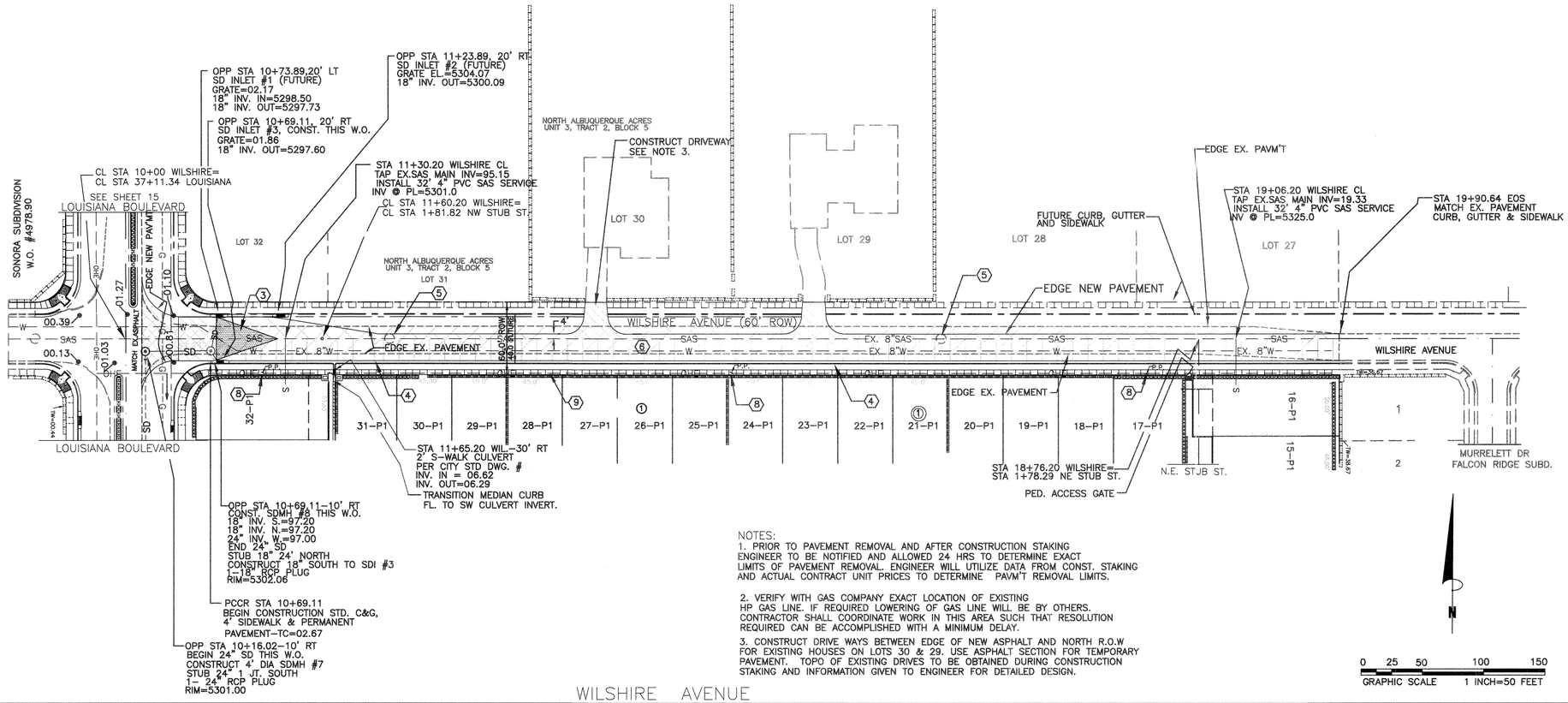
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 9904 DAVID R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER
9/18/00

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGNED BY RBR, HFB, CC DATE
DRAWN BY DATE
CHECKED BY

F:\DATA\DWGS\A001dbs\a0056egl1\Stubs-p.dwg Thu Aug 17 08:01:08 2000 PLOTTED BY NHM



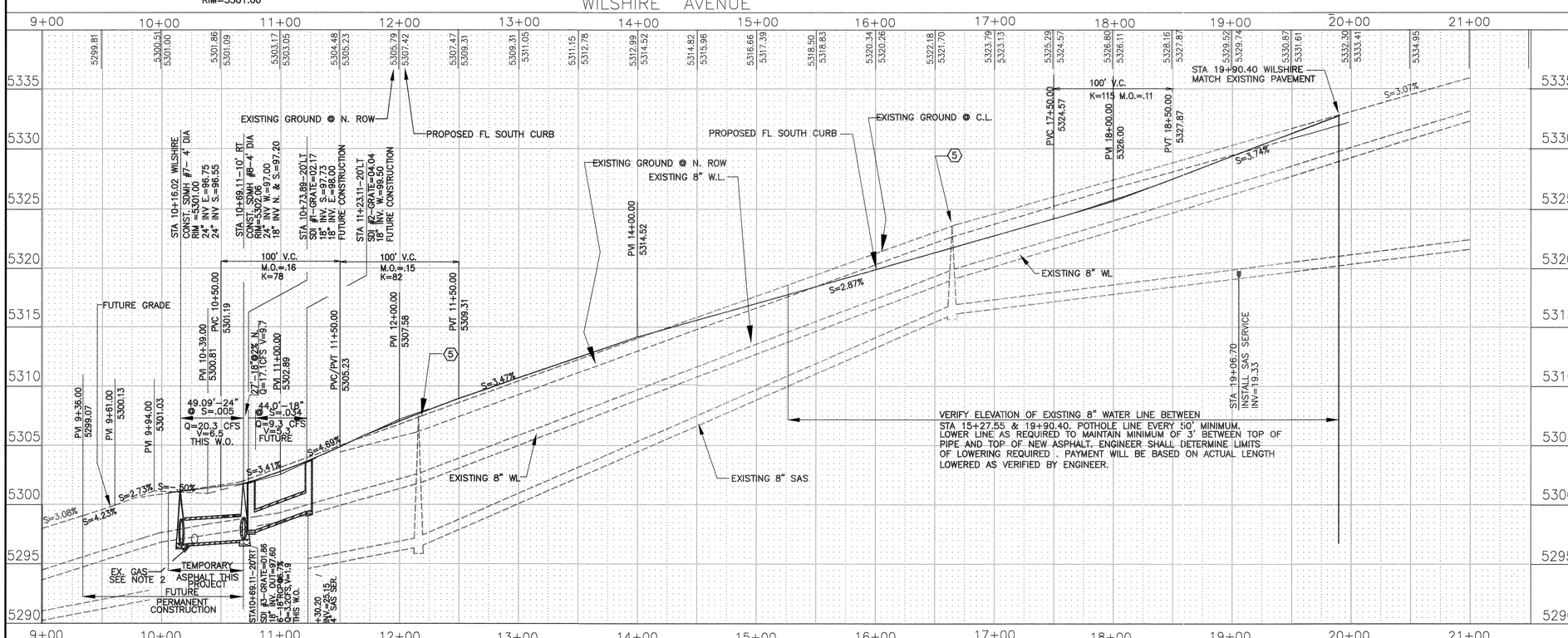
NOTES:

1. PRIOR TO PAVEMENT REMOVAL AND AFTER CONSTRUCTION STAKING ENGINEER TO BE NOTIFIED AND ALLOWED 24 HRS TO DETERMINE EXACT LIMITS OF PAVEMENT REMOVAL. ENGINEER WILL UTILIZE DATA FROM CONST. STAKING AND ACTUAL CONTRACT UNIT PRICES TO DETERMINE PAVM'T REMOVAL LIMITS.

2. VERIFY WITH GAS COMPANY EXACT LOCATION OF EXISTING HP GAS LINE. IF REQUIRED LOWERING OF GAS LINE WILL BE BY OTHERS. CONTRACTOR SHALL COORDINATE WORK IN THIS AREA SUCH THAT RESOLUTION REQUIRED CAN BE ACCOMPLISHED WITH A MINIMUM DELAY.

3. CONSTRUCT DRIVE WAYS BETWEEN EDGE OF NEW ASPHALT AND NORTH R.O.W FOR EXISTING HOUSES ON LOTS 30 & 29. USE ASPHALT SECTION FOR TEMPORARY PAVEMENT. TOPO OF EXISTING DRIVES TO BE OBTAINED DURING CONSTRUCTION STAKING AND INFORMATION GIVEN TO ENGINEER FOR DETAILED DESIGN.

WILSHIRE AVENUE



KEYED CONSTRUCTION NOTES:

1. CONSTRUCT 6' WIDE PCC. VALLEY GUTTER WITH 1" INVERT PER STD. DWG. #2420.
2. CONSTRUCT TYPE I WHEELCHAIR RAMP PER DETAIL ON SHEET 7 OF 23
3. 50' TRANSITION, 2% CROWN TO NO CROWN PER STD. DWG. #2401.
4. CONSTRUCT STANDARD CURB AND GUTTER PER C.O.A. DWG #2415.
5. ADJUST EXISTING M.H. RING AND COVER TO MATCH NEW PAV'MT GRADE PER STD. DWG #2460.
6. INSTALL MAJOR LOCAL PAVEMENT. SECTION PER DETAIL, SHT 7 OF 23.
7. FUTURE STORM DRAIN MH. SEE SHEET 21 OF 23.
8. CONSTRUCT 4' PCC SIDEWALK TO AVOID EXISTING POWER POLE PER STD DETAIL #2431.
9. CONSTRUCT 4' WIDE PCC SIDEWALK THIS WORK ORDER PER STD. DWG #2430.

LEGEND

- HANDICAPPED RAMP
- H.C. RAMP (NO SIDE STREET WALK)
- VALLEY GUTTER
- RETAINING WALL
- GARDEN WALL (< 18" RETAINED)
- EXISTING RETAINING WALL
- EXISTING CURB, GUTTER & SIDEWALK
- FUTURE CURB, GUTTER & SIDEWALK
- 50' PAVEMENT TRANSITION
- PROPOSED STANDARD CURB
- PROPOSED MOUNTABLE CURB
- DEFERRED SIDEWALKS
- PROPOSED STORM DRAIN INLET
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- SIDEWALK THIS WORK ORDER
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- EXISTING EDGE OF ASPHALT
- REMOVE & DISPOSE EX. ASPHALT
- PAVE W/ TEMPORARY PAVEMENT SECTION
- PAVE W/ PERMANENT PAVEMENT SECTION
- SAS MANHOLE
- STORM DRAIN MANHOLE

DWG:C:\EAGLE\DRC\.WP DATE08/02/00 TIME:04:43 RYALS Engineering-BR

RYALS
4929 Idlewilde S.E.
(505) 265-8267
engineering & construction services
Albuquerque, NM 87108
239-0194 mobile telephone

AS BUILT INFORMATION

		DATE
CONTRACTOR	SUNDANCE	11/00
WORK STAKED BY	CLINT SHERRILL + ASSOC.	9/00
INSPECTOR'S ACCEPTANCE BY	DMG	12/00
FIELD VERIFICATION BY	CLINT SHERRILL + ASSOC.	12/00
DRAWINGS CORRECTED BY	CLINT SHERRILL + ASSOC.	12/00

MICRO-FILM INFORMATION

RECORDED BY	DATE	NO.

BENCH MARKS

ACS ALUMINUM CAP STAMPED "9-C18 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD.
ELEV. = 5229.79, SLD 1929

SURVEY INFORMATION

FIELD NOTES NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

		DATE
DESIGNED BY	RBR, HFB, CC	
DRAWN BY		DATE
CHECKED BY		DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE POINT SUBDIVISION
PAVING PLAN AND PROFILE
STA 9+00.00-20+00.00 WILSHIRE

Design Review Committee: AUG 2 4 2000
City Engineer Approval: APPROVED SEP 1 4 2000 CITY ENGINEER
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
600481	C-19	11	23

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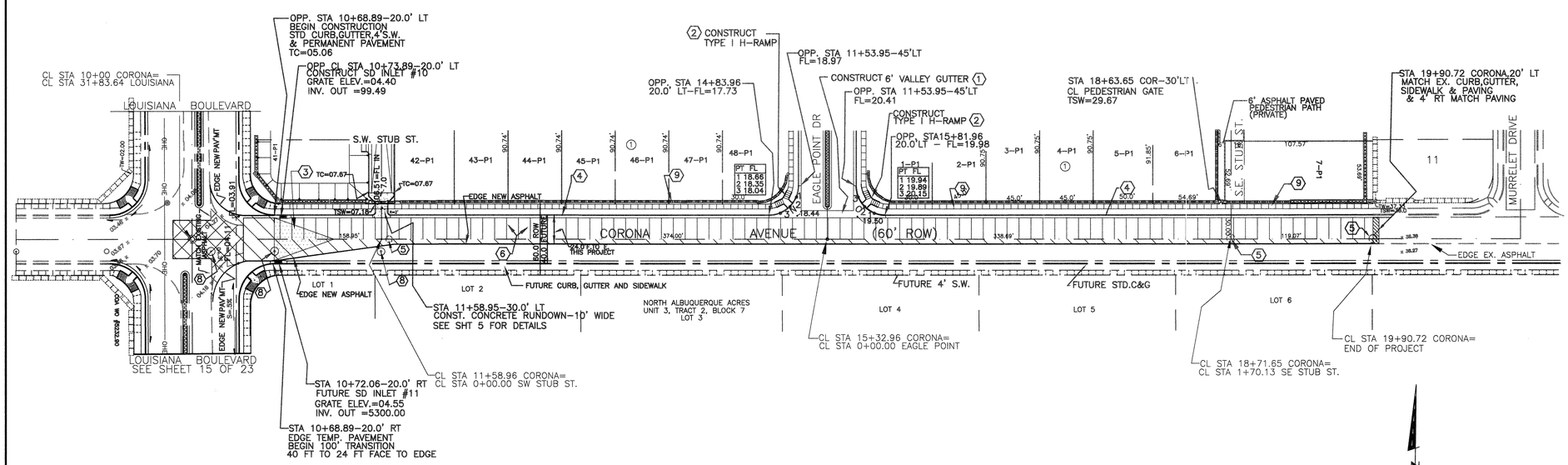
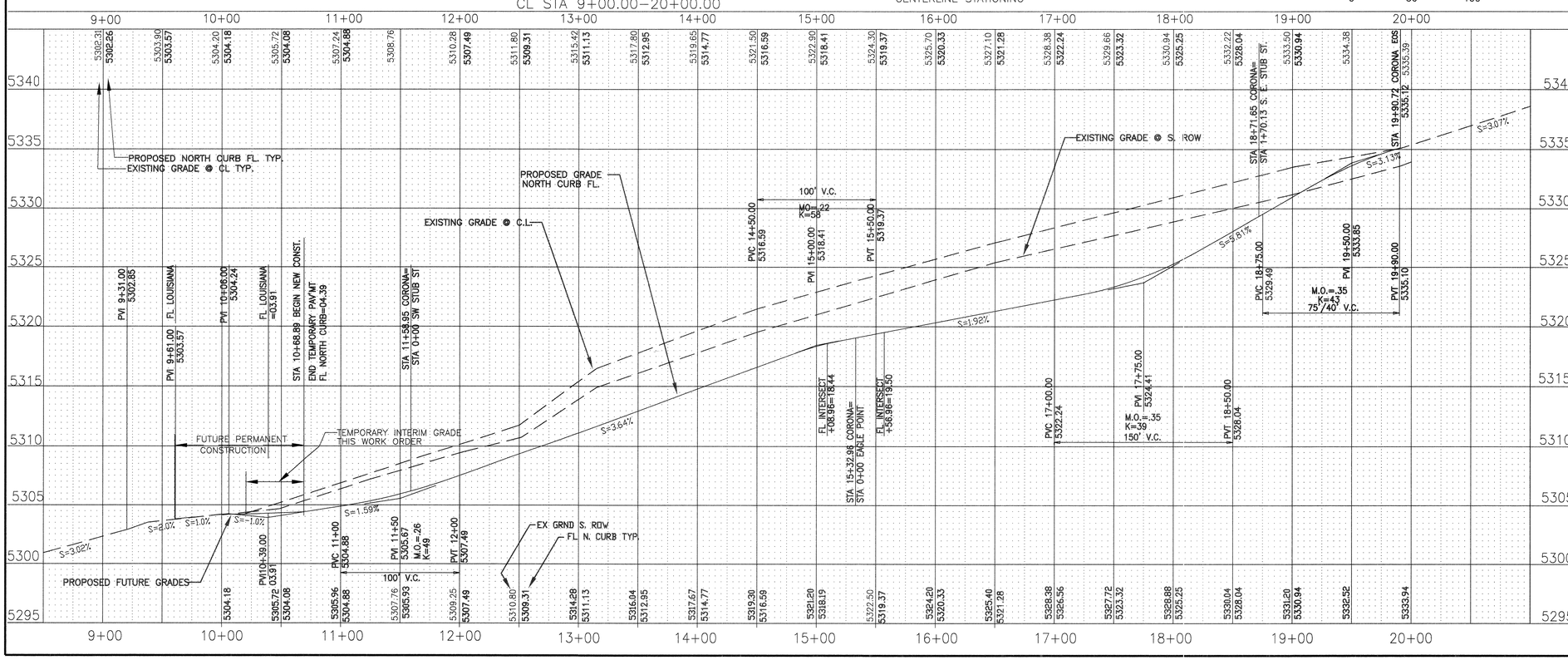


CORONA AVENUE
CL STA 9+00–20+00.00

PROFILE IS BASED ON
CENTERLINE STATIONING



CURB CURVE DATA:

#	RADIUS	DELTA	CHORD	CHD BRG	TANGENT
N	25.00'	90°00'03"	35.36'	N45°20'03"E	25.00'
O	25.00'	89°59'57"	35.36'	N44°39'57"W	25.00'

KEYED CONSTRUCTION NOTES:

1. CONSTRUCT 6' WIDE PCC. VALLEY GUTTER WITH 1" INVERT PER STD. DWG. #2420.
2. CONSTRUCT TYPE I WHEELCHAIR RAMP PER DETAIL ON SHEET 7 OF 23
3. 50' TRANSITION, 2% CROWN TO NO CROWN PER STD. DWG. #2401.
4. CONSTRUCT STANDARD CURB AND GUTTER PER C.O.A. DWG #2415.
5. ADJUST EXISTING M.H. RING AND COVER TO MATCH NEW PAV'MT GRADE PER STD. DWG #2460.
6. INSTALL MAJOR LOCAL PAVEMENT. SECTION PER DETAIL, SHT 7 OF 23.
7. FUTURE STORM DRAIN MH. SEE SHEET 21 OF 23.
8. CONSTRUCT STORM DRAIN MH THIS WORK ORDER. SEE SHEET 21 OF 23.
8. CONSTRUCT 4' WIDE PCC SIDEWALK THIS WORK ORDER PER STD. DWG #2430.

LEGEND

- HANDICAPPED RAMP
- H.C. RAMP (NO SIDE STREET WALK)
- VALLEY GUTTER
- RETAINING WALL
- GARDEN WALL (< 18" RETAINED)
- EXISTING RETAINING WALL
- EXISTING CURB, GUTTER & SIDEWALK
- FUTURE CURB, GUTTER & SIDEWALK
- 50' PAVEMENT TRANSITION
- PROPOSED STANDARD CURB
- PROPOSED MOUNTABLE CURB
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- 8"X12" CUT OFF WALL
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- REMOVE & DISPOSE EX. ASPHALT
- PAVE W/ TEMPORARY PAVEMENT SECTION
- PAVE W/ PERMANENT PAVEMENT SECTION
- SAS MANHOLE
- STORM DRAIN MANHOLE

DWG:C:\EAGLE\DRC\CORPAV DATE08/02/00 TIME:10:34 RYALS Engineering-BR

RYALS
engineering & construction services
5301 Central, N.E.
Albuquerque, NM 87108
(505) 265-8267
239-0194 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE POINT SUBDIVISION
PAVING PLAN AND PROFILE
STA.9+00.00–20+00.00 CORONA AVENUE

Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

AUG 24 2000

APPROVED SEP 14 2000 CITY ENGINEER

City Project No.	Zone Map No.	Sheet	Of
600481	C–19	12	23

AS BUILT INFORMATION

CONTRACTOR SUNDANCE DATE 11/00
WORK STAKED BY CLINT SHERRILL + ASSOC. DATE 11/00
INSPECTOR'S ACCEPTANCE BY DMG DATE 12/00
FIELD VERIFICATION BY CLINT SHERRILL + ASSOC. DATE 12/00
DRAWINGS CORRECTED BY CLINT SHERRILL + ASSOC. DATE 12/00
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
ACS ALUMINUM CAP STAMPED "9-C18 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD. .
ELEV. = 5229.79, SLD 1929

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES C. GOODWIN
NEW MEXICO
6948
REGISTERED PROFESSIONAL ENGINEER

REVISIONS
NO. DATE REMARKS BY
DESIGN
DESIGNED BY RBR, HFB, CC DATE
DRAWN BY DATE
CHECKED BY DATE

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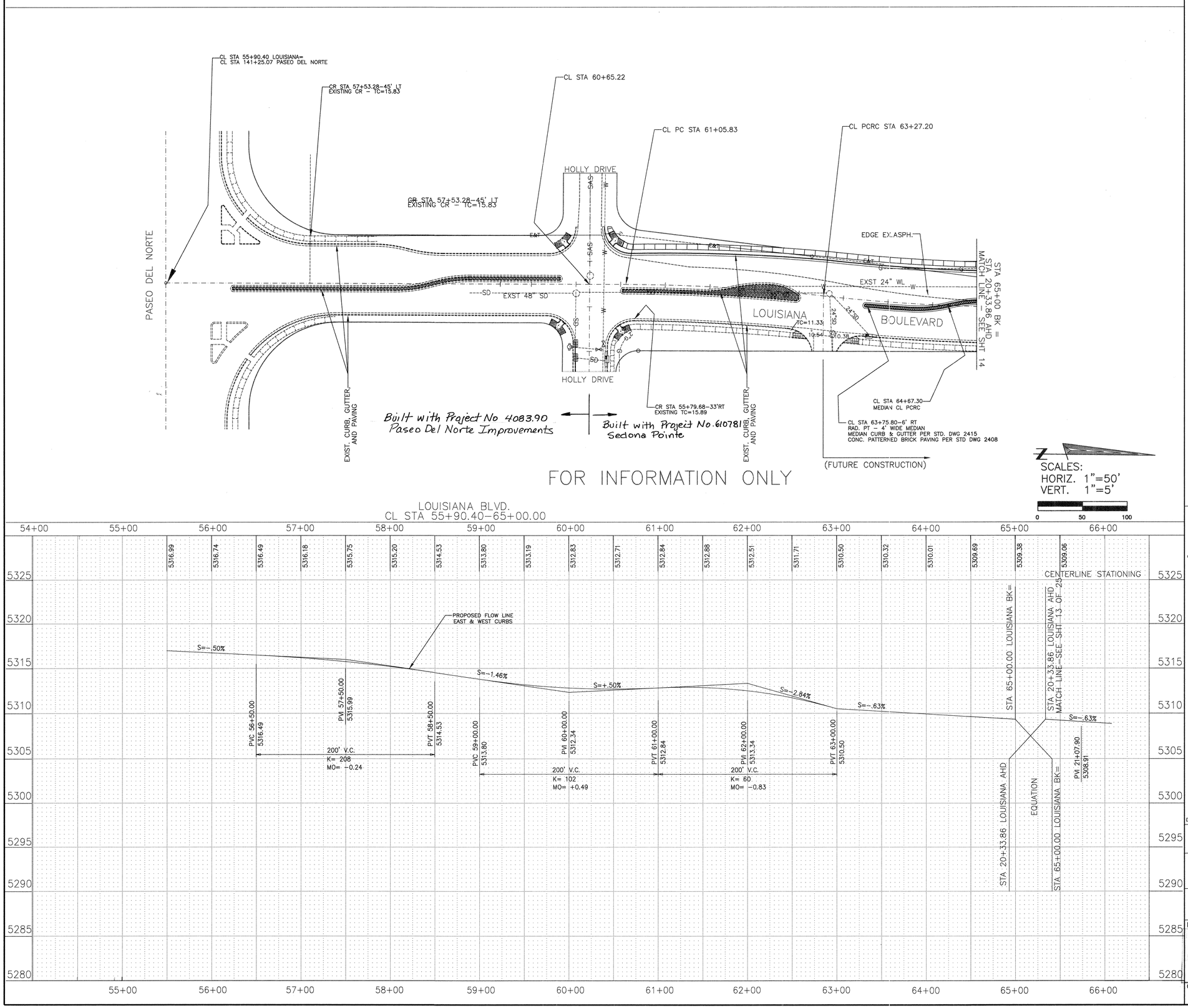

GENERAL NOTES:

THE WORK DETAILED ON THIS SHEET IS DEFERRED EXCEPT FOR THE FOLLOWING:

PAVING:

1. CONSTRUCT 6' SIDEWALK B/W STA 32+08 AND 36+40 LOUISIANA. RAMPS ARE DEFERRED.
2. CONSTRUCT TEMPORARY PAVEMENT AT CORONA AND WILSHIRE INTERSECTIONS AS REQUIRED TO REPLACE THAT REMOVED FOR UTILITY CONST.

STORM DRAIN:

PAVED ACCESS IN BOTH DIRECTIONS MUST REMAIN OPEN AT ALL TIMES FOR LOUISIANA.

CONSTRUCTION NOTES:

1. CONSTRUCT 6' WIDE CONC. VALLEY GUTTER PER C.O.A. STD. DWG #2420 (LESS OTHERWISE SHOWN.)
2. CONSTRUCT TYPE I HANDICAPPED RAMP PER DETAIL SHEET OF .
3. CONSTRUCT STANDARD CURB & GUTTER PER PER C.O.A. DWG #2415.
4. CONSTRUCT 6' WIDE CONCRETE SIDEWALK PER DETAILS ON STD. DWG. #2430.
5. OVERHEAD POWER AND TELEPHONE LINES TO BE RELOCATED BY OTHERS. CONTRACTOR SHALL COORDINATE AND SCHEDULE, THROUGH THE PROJECT ENGINEER, ALL WORK TO BE PERFORMED UNDER THIS CONTRACT THAT MAY BE IMPACTED BY THE RELOCATION.
6. EXISTING STREET LIGHT TO BE RELOCATED BY OTHERS.
7. ADJUST EXISTING MANHOLE RING AND COVER TO MATCH PAVEMENT GRADE.
8. ADJUST EXISTING VALVE BOX RING AND COVER TO MATCH PAVEMENT GRADE PER DWG. 2460.
9. CONSTRUCT MEDIAN CURB & GUTTER PER C.O.A. STD DWG #2415. PAVE MEDIAN W/ 4" THK. PCC TEXTURED CONCRETE RUNNING BOND PATTERN. PER DETAILS STD. DWG. #2408.
10. CONSTRUCT COMBINATION GARDEN/RETAINING WALL ADJACENT TO EXISTING BLOCK WALL. PRIOR TO CONSTRUCTION VERIFY WITH ENGINEER TOP OF FOOTING, TOP OF RETAINING AND TOP OF GARDEN WALL ELEVATIONS. WHERE TF=OR< TF EX.WALL+8", TRW= TOP S-WALK AND TGW=TOP S-WALK +4 FT. THE WALL SHOULD BE CONSTRUCTED W/OUT DAMAGE TO OR SURCHARGING THE EXISTING WALL.
11. CONSTRUCT ARTERIAL PAVEMENT SECTION PER DETAIL, SHT 14 OF 22.
12. REMOVE & DIPOSE EX.ASPHALT DRAINAGE SWALE. 24" RCP & SD INLET PRIOR TO PLACING FILL FOR ROAD SUBGRADE.
13. CONTACT GAS COMPANY FOR THEIR FIELD VERIFICATION OF EXACT VERTICAL & HORIZ. LOCATION AND DETERMINE IF LOCATION IS IN CONFLICT
14. POTHOLE EX. 16" W.L. TO VERIFY EXACT LOCATION & ELEV.. SCHEDULE W/ SURVEYOR & ENGINEER 48 HRS. IN ADVANCE. ENGINEER SHALL REVIEW DATA & PROVIDE DESIGN CHANGE INFORMATION AS REQ'D.

LEGEND

- HANDICAPPED RAMP
- H.C. RAMP (NO SIDE STREET WALK)
- VALLEY GUTTER
- RETAINING WALL
- GARDEN WALL (< 18" RETAINED)
- EXISTING RETAINING WALL
- EXISTING CURB, GUTTER & SIDEWALK
- FUTURE CURB, GUTTER & SIDEWALK
- 50' PAVEMENT TRANSITION
- PROPOSED STANDARD CURB
- PROPOSED MOUNTABLE CURB
- DEFERRED SIDEWALKS
- PROPOSED STORM DRAIN INLET
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- EXISTING EDGE OF ASPHALT
- REMOVE & DISPOSE EX. ASPHALT
- PAVE W/ TEMPORARY PAVEMENT SECTION
- PAVE W/ PERMANENT PAVEMENT SECTION
- SAS MANHOLE
- STORM DRAIN MANHOLE

DWG:C:\EAGLE\DRC\LA2 DATED7/28/00 TIME:10:25 RYALS Engineering-BR

RYALS
5301 Central, N.E.
(505) 265-8267
engineering & construction services
Albuquerque, NM 87108
239-0194 mobile telephone

AS BUILT INFORMATION

CONTRACTOR	SUNDANCE	DATE 8/00
WORK STAKED BY	CLINT SHERELL + ASSOC	DATE 8/00
INSPECTOR'S ACCEPTANCE BY	DMG	DATE 8/00
FIELD VERIFICATION BY	CLINT SHERELL + ASSOC	DATE 12/00
DRAWINGS CORRECTED BY	CLINT SHERELL + ASSOC	DATE 2/00

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS ALUMINUM CAP STAMPED "9-C18 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD.
ELEV. = 5229.79, SLD 1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REMARKS

REVISIONS

NO.	DATE	BY

DESIGN

DESIGNED BY RBR, HFB, CC DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE POINT SUBDIVISION
PAVING PLAN AND PROFILE
55+90.40-65+00 LOUISIANA

Design Review Committee: AUG 24 2000 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED SEP 14 2000 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
600481	C-19	13	23

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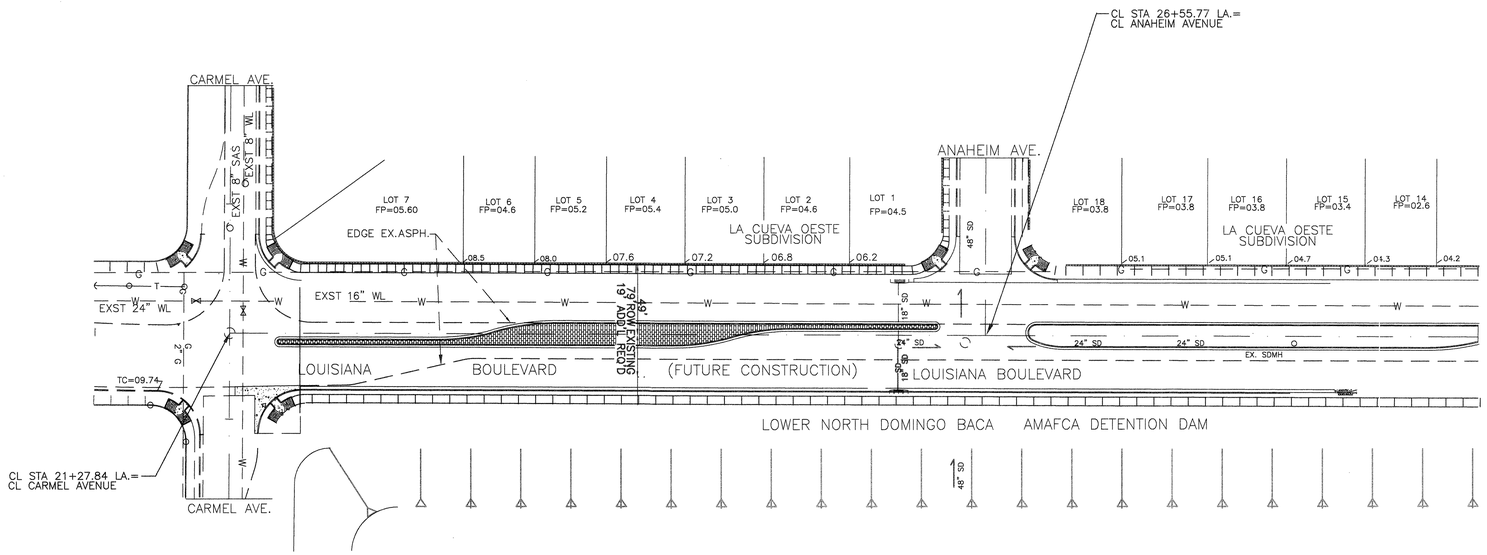
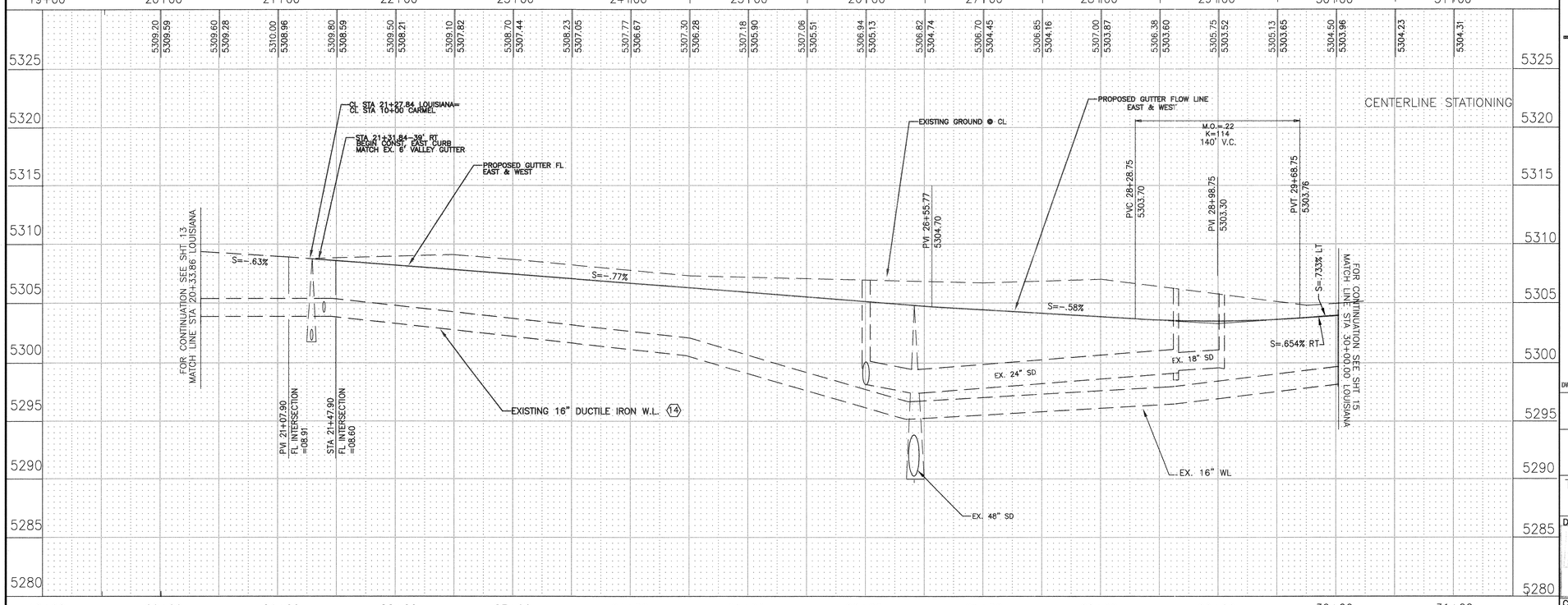


FOR INFORMATION ONLY

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'
0 50 100

LOUISIANA BLVD.
CL STA 20+33.86–30+00.00 LOUISIANA



GENERAL NOTES:

THE WORK DETAILED ON THIS SHEET IS DEFERRED EXCEPT FOR THE FOLLOWING:

PAVING:

1. CONSTRUCT 6' SIDEWALK B/W STA 32+08 AND 36+40 LOUISIANA. RAMPS ARE DEFERRED.
2. CONSTRUCT TEMPORARY PAVEMENT AT CORONA AND WILSHIRE INTERSECTIONS AS REQUIRED TO REPLACE THAT REMOVED FOR UTILITY CONST.

STORM DRAIN:

PAVED ACCESS IN BOTH DIRECTIONS MUST REMAIN OPEN AT ALL TIMES FOR LOUISIANA.

CONSTRUCTION NOTES:

1. CONSTRUCT 6' WIDE CONC. VALLEY GUTTER PER C.O.A. STD. DWG #2420 (LESS OTHERWISE SHOWN.)
2. CONSTRUCT TYPE I HANDICAPPED RAMP PER DETAIL SHEET OF .
3. CONSTRUCT STANDARD CURB & GUTTER PER PER C.O.A. DWG #2415.
4. CONSTRUCT 6' WIDE CONCRETE SIDEWALK PER DETAILS ON STD. DWG. #2430.
5. OVERHEAD POWER AND TELEPHONE LINES TO BE RELOCATED BY OTHERS. CONTRACTOR SHALL COORDINATE AND SCHEDULE, THROUGH THE PROJECT ENGINEER, ALL WORK TO BE PERFORMED UNDER THIS CONTRACT THAT MAY BE IMPACTED BY THE RELOCATION.
6. EXISTING STREET LIGHT TO BE RELOCATED BY OTHERS.
7. ADJUST EXISTING MANHOLE RING AND COVER TO MATCH PAVEMENT GRADE.
8. ADJUST EXISTING VALVE BOX RING AND COVER TO MATCH PAVEMENT GRADE PER DWG. 2460.
9. CONSTRUCT MEDIAN CURB & GUTTER PER C.O.A. STD DWG #2415. PAVE MEDIAN W/ 4" THK. PCC TEXTURED CONCRETE RUNNING BOND PATTERN. PER DETAILS STD. DWG. #2408.
10. CONSTRUCT COMBINATION GARDEN/RETAINING WALL ADJACENT TO EXISTING BLOCK WALL. PRIOR TO CONSTRUCTION VERIFY WITH ENGINEER TOP OF FOOTING, TOP OF RETAINING AND TOP OF GARDEN WALL ELEVATIONS. WHERE TF=OR< TF EX.WALL+8", TRW= TOP S-WALK AND TGW=TOP S-WALK +4 FT. THE WALL SHOULD BE CONSTRUCTED W/OUT DAMAGE TO OR SURCHARGING THE EXISTING WALL.
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12. REMOVE & DIPOSE EX.ASPHALT DRAINAGE SWALE, 24" RCP & SD INLET PRIOR TO PLACING FILL FOR ROAD SUBGRADE.
13. CONTACT GAS COMPANY FOR THEIR FIELD VERIFI-CATION OF EXACT VERTICAL & HORIZ. LOCATION AND DETERMINE IF LOCATION IS IN CONFLICT
14. POTHOLE EX. 16" W.L. TO VERIFY EXACT LOCATION & ELEV. SCHEDULE W/ SURVEYOR & ENGINEER 48 HRS. IN ADVANCE. ENGINEER SHALL REVIEW DATA & PROVIDE DESIGN CHANGE INFORMATION AS REQ'D.

LEGEND
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- H.C. RAMP (NO SIDE STREET WALK)
- VALLEY GUTTER
- RETAINING WALL
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- EXISTING RETAINING WALL
- EXISTING CURB, GUTTER & SIDEWALK
- FUTURE CURB, GUTTER & SIDEWALK
- 50' PAVEMENT TRANSITION
- PROPOSED STANDARD CURB
- PROPOSED MOUNTABLE CURB
- DEFERRED SIDEWALKS
- PROPOSED STORM DRAIN INLET
- 8"X12" CUT OFF WALL
- MEDIAN CURB AND GUTTER
- SIDEWALK THIS WORK ORDER
- STREET CENTER LINE
- EXISTING EDGE OF ASPHALT
- REMOVE & DISPOSE EX. ASPHALT
- PAVE W/ TEMPORARY PAVEMENT SECTION
- PAVE W/ PERMANENT PAVEMENT SECTION
- SAS MANHOLE
- STORM DRAIN MANHOLE

DWG:c:\EAGLE\DRC\LA3 DATE07/28/00 TIME:10:55 RYALS Engineering-BR

RYALS
5301 Central, N.E.
(505) 265-8267
engineering & construction services
Albuquerque, NM 87108
239-0194 mobile telephone

AS BUILT INFORMATION
CONTRACTOR SUNDANCE DATE 11/00
WORK STAKED BY CLINTSHERRELL + ASSOC. DATE 11/00
WORK INSPECTED BY CLINTSHERRELL + ASSOC. DATE 12/00
ACCEPTANCE BY DMG DATE 12/00
FIELD VERIFICATION BY CLINT SHERRELL + ASSOC. DATE 12/00
DRAWINGS CORRECTED BY CLINT SHERRELL + ASSOC. DATE 1/00
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS ALUMINUM CAP STAMPED "9-C18 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD.
ELEV. = 5229.79, SLD 1929

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER
DONALD R. MCCO
NEW MEXICO
6340
REGISTERED

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY RBR, HFB, CC DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE POINT SUBDIVISION
PAVING PLAN AND PROFILE
STA 20+33.86 TO 30+00.00 LOUISIANA

Design Review Committee: AUG 24 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 14 2000 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
600481	C-19	14	23

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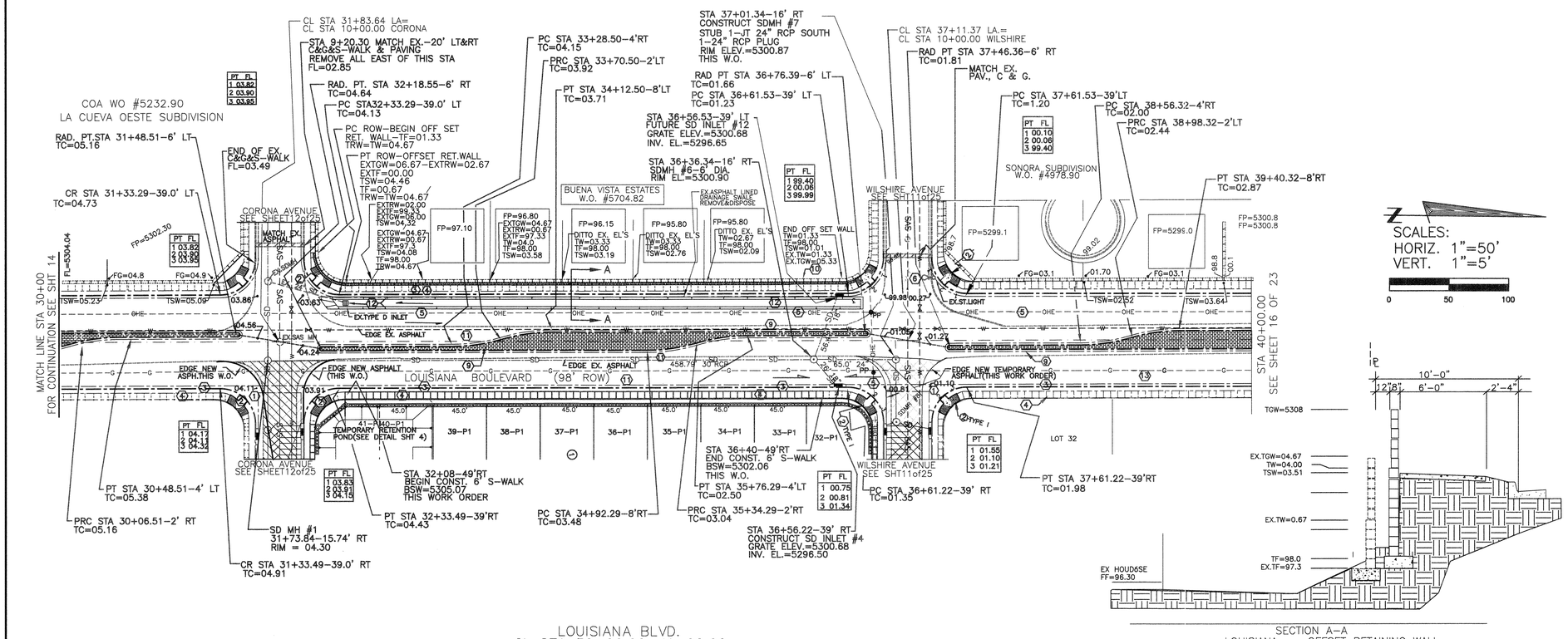

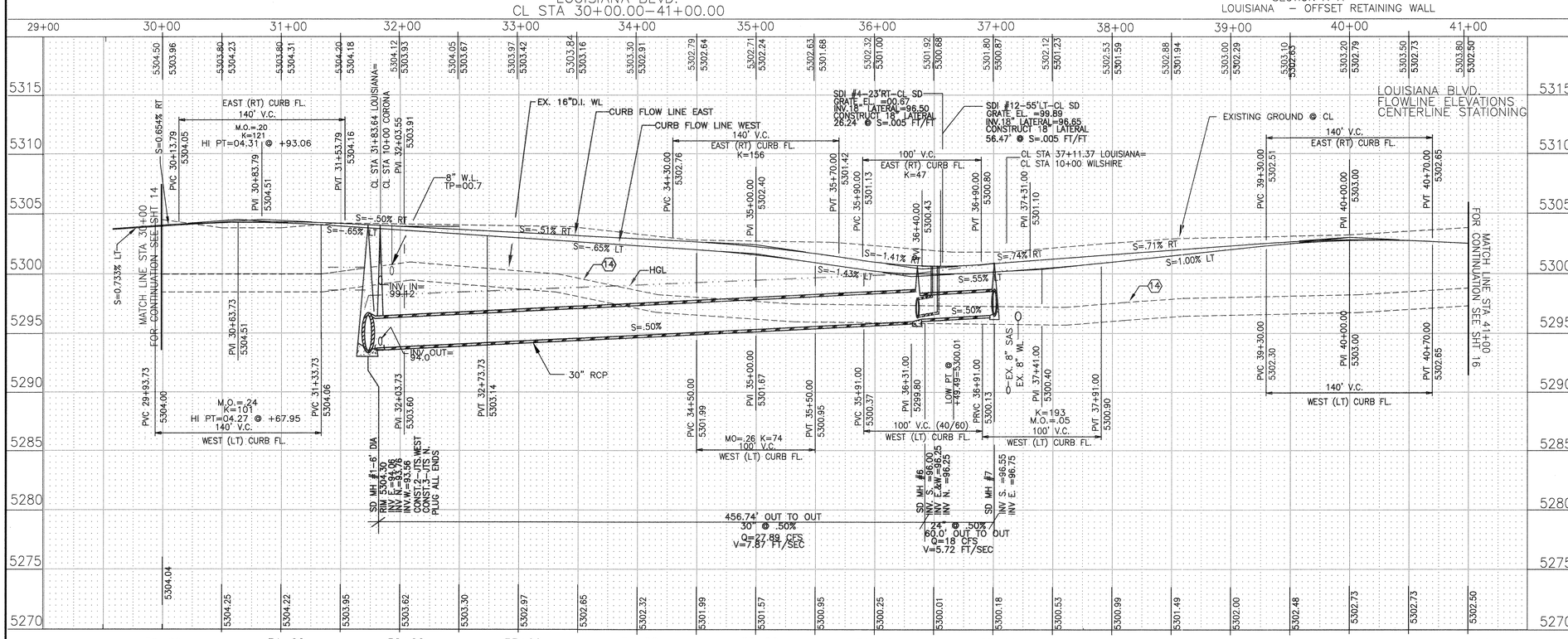

GENERAL NOTES:

THE WORK DETAILED ON THIS SHEET IS DEFERRED EXCEPT FOR THE FOLLOWING:

PAVING:

1. CONSTRUCT 6' SIDEWALK B/W STA 32+08 AND 36+40 LOUISIANA. RAMPS ARE DEFERRED.
2. CONSTRUCT TEMPORARY PAVEMENT AT CORONA AND WILSHIRE INTERSECTIONS AS REQUIRED TO REPLACE THAT REMOVED FOR UTILITY CONST. SEE SHT 11 (WILSHIRE) & SHT 12 (CORONA) FOR PAVING DETAILS & SHT 21 (CORONA) FOR UTILITY DETAIL.

PAVED ACCESS IN BOTH DIRECTIONS MUST REMAIN OPEN AT ALL TIMES FOR LOUISIANA. ALSO ONE LANE EACH OF CORONA & WILSHIRE OR BOTH LANES IF THE OTHER STEET IS CLOSED MUST BE OPEN AT ALL TIMES. SEE SHEETS 22 & 23.

CONSTRUCTION NOTES:

1. CONSTRUCT 6' WIDE CONC. VALLEY GUTTER PER C.O.A. STD. DWG #2420 (LESS OTHERWISE SHOWN.)
2. CONSTRUCT TYPE I HANDICAPPED RAMP PER DETAIL SHEET OF
3. CONSTRUCT STANDARD CURB & GUTTER PER PER C.O.A. DWG #2415.
4. CONSTRUCT 6' WIDE CONCRETE SIDEWALK PER DETAILS ON STD. DWG. #2430.
5. OVERHEAD POWER AND TELEPHONE LINES TO BE RELOCATED BY OTHERS. CONTRACTOR SHALL COORDINATE AND SCHEDULE, THROUGH THE PROJECT ENGINEER, ALL WORK TO BE PERFORMED UNDER THIS CONTRACT THAT MAY BE IMPACTED BY THE RELOCATION.
6. EXISTING STREET LIGHT TO BE RELOCATED BY OTHERS.
7. ADJUST EXISTING MANHOLE RING AND COVER TO MATCH PAVEMENT GRADE.
8. ADJUST EXISTING VALVE BOX RING AND COVER TO MATCH PAVEMENT GRADE PER DWG. 2460.
9. CONSTRUCT MEDIAN CURB & GUTTER PER C.O.A. STD DWG #2415. PAVE MEDIAN W/ 4" THK. PCC TEXTURED CONCRETE RUNNING BOND PATTERN. PER DETAILS STD. DWG. #2408.
10. CONSTRUCT COMBINATION GARDEN/RETAINING WALL ADJACENT TO EXISTING BLOCK WALL. PRIOR TO CONSTRUCTION VERIFY WITH ENGINEER TOP OF FOOTING, TOP OF RETAINING AND TOP OF GARDEN WALL ELEVATIONS. WHERE TF=OR< TF EX.WALL+8", TRW= TOP S-WALK AND TGW=TOP S-WALK +4 FT. THE WALL SHOULD BE CONSTRUCTED W/OUT DAMAGE TO OR SURCHARGING THE EXISTING WALL.
11. CONSTRUCT ARTERIAL PAVEMENT SECTION PER DETAIL, SHT 14 OF 22.
12. REMOVE & DIPOSE EX.ASPHALT DRAINAGE SWALE, 24" RCP & SD INLET PRIOR TO PLACING FILL FOR ROAD SUBGRADE.
13. CONTACT GAS COMPANY FOR THEIR FIELD VERIFICATION OF EXACT VERTICAL & HORIZ. LOCATION AND DETERMINE IF LOCATION IS IN CONFLICT
14. POTHOLE EX. 16" W.L. TO VERIFY EXACT LOCATION & ELEV.. SCHEDULE W/ SURVEYOR & ENGINEER 48 HRS. IN ADVANCE. ENGINEER SHALL REVIEW DATA & PROVIDE DESIGN CHANGE INFORMATION AS REQ'D.

LEGEND

- HANDICAPPED RAMP
- H.C. RAMP (NO SIDE STREET WALK)
- VALLEY GUTTER
- RETAINING WALL
- GARDEN WALL (< 18" RETAINED)
- EXISTING RETAINING WALL
- EXISTING CURB, GUTTER & SIDEWALK
- FUTURE CURB, GUTTER & SIDEWALK
- 50' PAVEMENT TRANSITION
- PROPOSED STANDARD CURB
- PROPOSED MOUNTABLE CURB
- DEFERRED SIDEWALKS
- PROPOSED STORM DRAIN INLET
- 8"X12" CUT OFF WALL
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- SIDEWALK THIS WORK ORDER
- STREET CENTER LINE
- EXISTING EDGE OF ASPHALT
- REMOVE & DISPOSE EX. ASPHALT
- PAVE W/ TEMPORARY PAVEMENT SECTION
- PAVE W/ PERMANENT PAVEMENT SECTION
- SAS MANHOLE
- STORM DRAIN MANHOLE

DWG:C:\EAGLE\DRC\LA1 DATE07/27/00 TIME:08:35 RYALS Engineering-BR

RYALS
5301 Central, N.E.
(505) 265-8267
engineering & construction services
Albuquerque, NM 87108
239-0194 mobile telephone

AS BUILT INFORMATION

CONTRACTOR	SUNDANCE	DATE 11/00
STAKED BY	CLINT SHERRILL + ASSOC.	DATE 11/00
INSPECTOR'S FIELD VERIFICATION BY	JMG	DATE 12/00
DRAWING BY	CLINT SHERRILL + ASSOC.	DATE 12/00
CORRECTED BY	CLINT SHERRILL + ASSOC.	DATE 12/00

MICRO-FILM INFORMATION

RECORDED BY	DATE	NO.

BENCH MARKS

ACS ALUMINUM CAP STAMPED "9-C18 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD.
ELEV. = 5229.79, SLD 1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REMARKS

REVISIONS

NO.	DATE	BY

DESIGN

DESIGNED BY	RBR, HFB, CC	DATE
DRAWN BY		DATE
CHECKED BY		DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE POINT SUBDIVISION
PAVING PLAN AND PROFILE
STA.30+00-41+00 LOUISIANA

Design Review Committee: AUG 2 4 2000 REVISIONS

City Engineer Approval: APPROVED SEP 1 4 2000 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
600481	C-19	15	23

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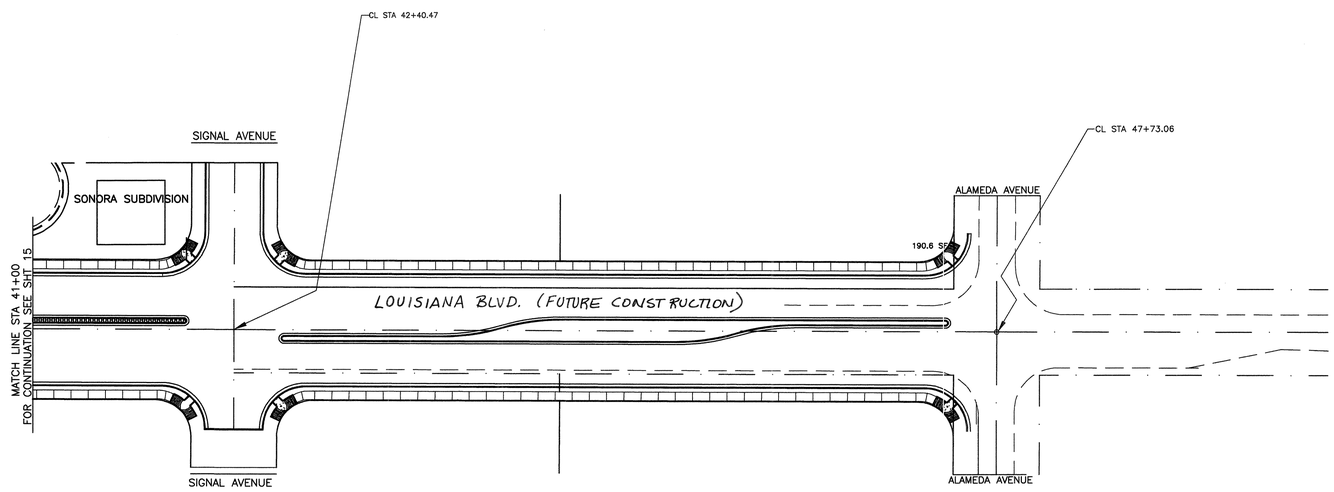
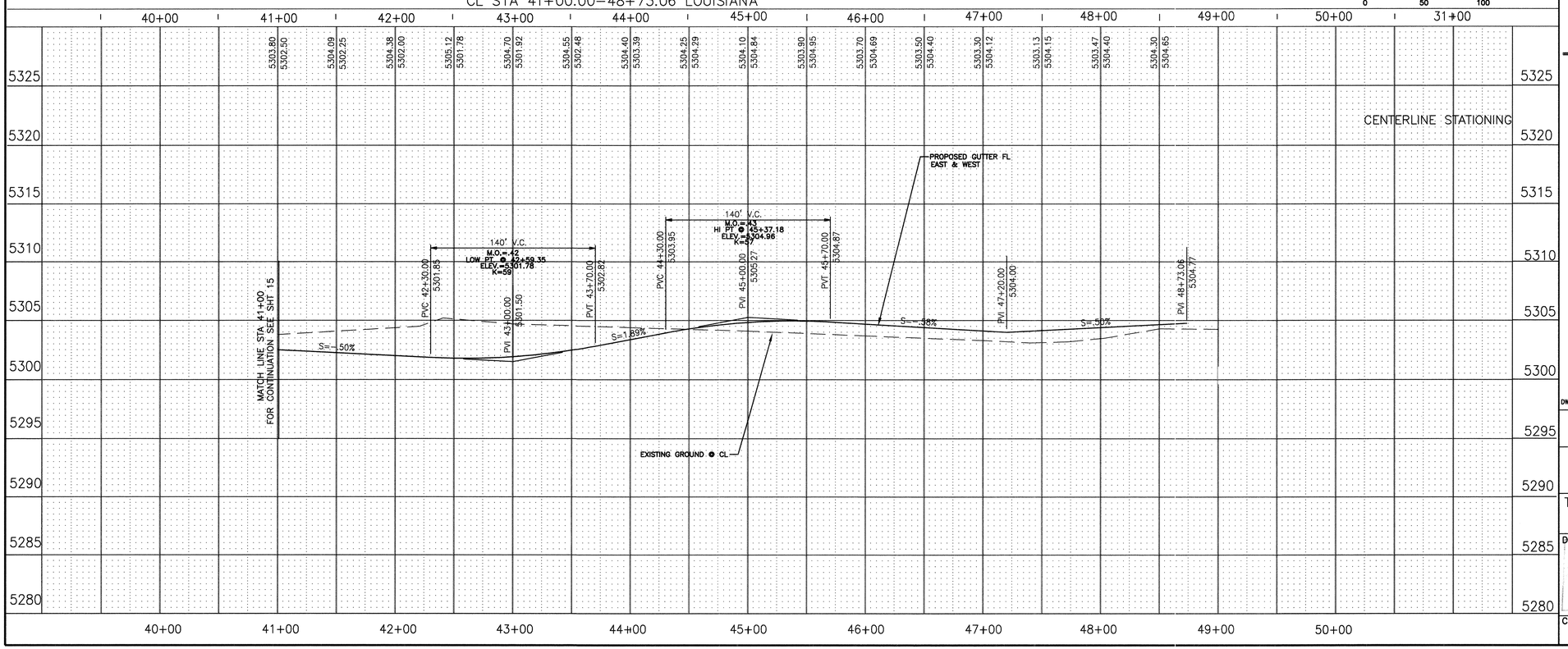


FOR INFORMATION ONLY

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'

0 50 100

LOUISIANA BLVD.
CL STA 41+00.00–48+73.06 LOUISIANA



GENERAL NOTES:

THE WORK DETAILED ON THIS SHEET IS DEFERRED EXCEPT FOR THE FOLLOWING:
PAVING:
1. CONSTRUCT 6' SIDEWALK B/W STA 32+08 AND 36+40 LOUISIANA. RAMPS ARE DEFERRED.
2. CONSTRUCT TEMPORARY PAVEMENT AT CORONA AND WILSHIRE INTERSECTIONS AS REQUIRED TO REPLACE THAT REMOVED FOR UTILITY CONST.
STORM DRAIN:

PAVED ACCESS IN BOTH DIRECTIONS MUST REMAIN OPEN AT ALL TIMES FOR LOUISIANA.

CONSTRUCTION NOTES:

1. CONSTRUCT 6' WIDE CONC. VALLEY GUTTER PER C.O.A. STD. DWG #2420 (LESS OTHERWISE SHOWN.)
2. CONSTRUCT TYPE I HANDICAPPED RAMP PER DETAIL SHEET OF .
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- PAVE W/ TEMPORARY PAVEMENT SECTION
- PAVE W/ PERMANENT PAVEMENT SECTION
- SAS MANHOLE
- STORM DRAIN MANHOLE

DWG:C:\EAGLE\LABASE DATE07/27/00 TIME:03:23 RYALS Engineering–BR

R Y A L S
5301 Central, N.E.
(505) 265–8267
engineering & construction services
Albuquerque, NM 87108
239–0194 mobile telephone

AS BUILT INFORMATION

CONTRACTOR	SUNDANCE	DATE 11/00
WORK STAKED BY	CLINT SHEPPELL + ASSOC	DATE 7/00
INSPECTOR'S ACCEPTANCE BY	DROG	DATE 7/00
FIELD VERIFICATION BY	CLINT SHEPPELL + ASSOC	DATE 7/00
DRAWINGS CORRECTED BY	CLINT SHEPPELL + ASSOC	DATE 7/00
RECORDED BY	MICRO–FILM INFORMATION	DATE
NO.		

BENCH MARKS
ACS ALUMINUM CAP STAMPED "9–C18 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD. .
ELEV. = 5229.79, SLD 1929

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
D. MARK GOODWIN NEW MEXICO 9998 REGISTERED PROFESSIONAL ENGINEER
7/11/00

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGNED BY RBR, HFB, CC DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE POINT SUBDIVISION
PAVING PLAN AND PROFILE
STA 41+00.00 TO 48+73.06 LOUISIANA

Design Review Committee: AUG 24 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 14 2000 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
600481	C–19	16	23

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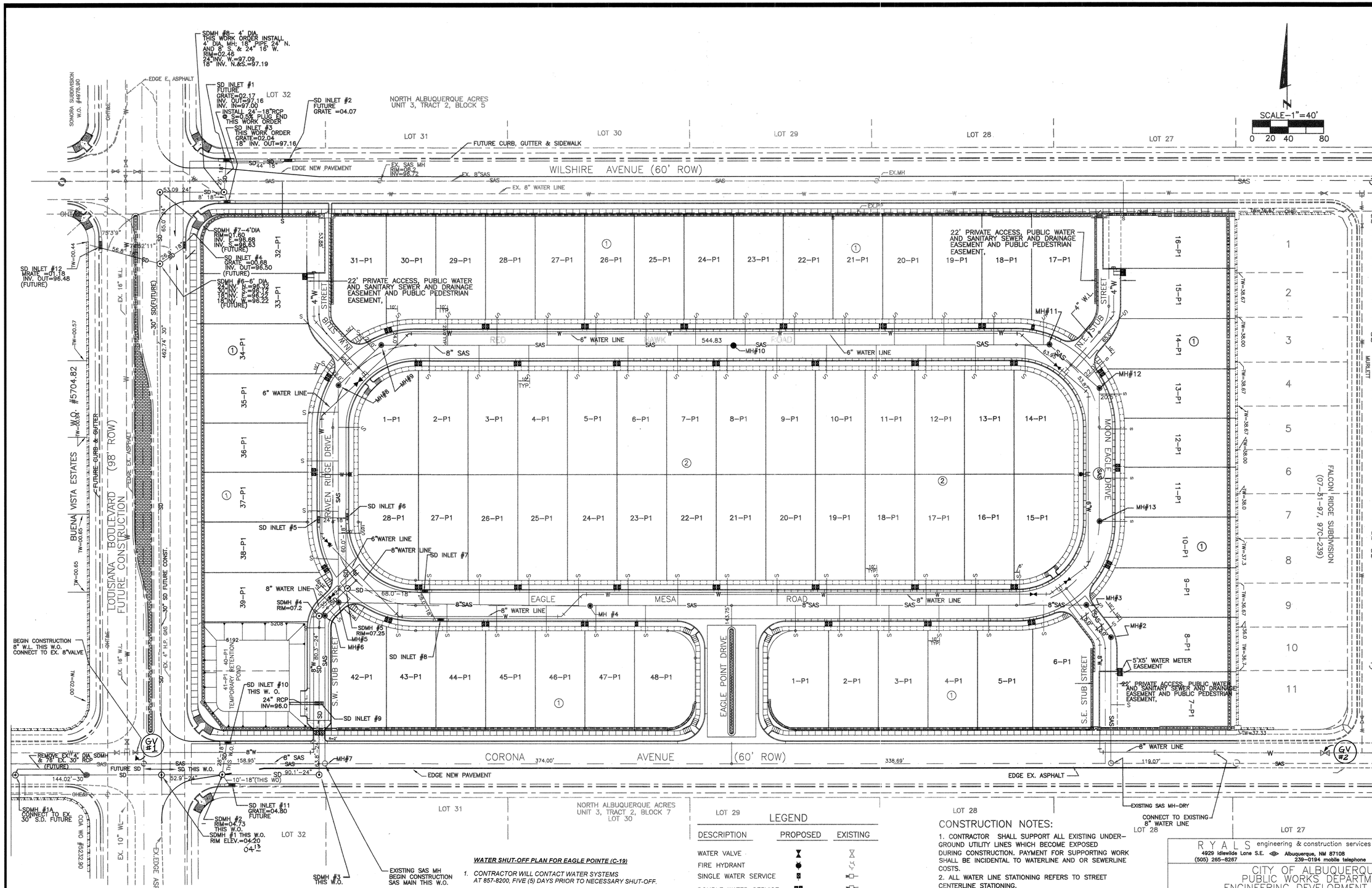

LEGEND

DESCRIPTION	PROPOSED	EXISTING
WATER VALVE		
FIRE HYDRANT		
SINGLE WATER SERVICE		
DOUBLE WATER SERVICE		
STREET LIGHT		
STORM DRAIN MANHOLE		
CATCH BASIN		
SAS MANHOLE		
SEWER SERVICE	S	
WATER LINE	W	W
SEWER LINE	SAS	SAS
STORM DRAIN	SD	SD

WATER SHUT-OFF PLAN FOR EAGLE POINTE (C-19)

1. *CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200, FIVE (5) DAYS PRIOR TO NECESSARY SHUT-OFF.*
2. *VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.*
3. *A NON-PRESSURE CONNECTION TO THE EXISTING 8" WATERLINE IN CORONA AVENUE WILL BE MADE BY SHUTTING OFF THE 8" GATE VALVE (#1) LOCATED IN LOUISIANA BLVD. AND THE 8" GATE VALVE VALVE (#2) LOCATED APPROXIMATELY 85 FEET EAST OF THE EAST PROPERTY LINE.*

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDER-GROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND OR SEWERLINE COSTS.
2. ALL WATER LINE STATIONING REFERS TO STREET CENTERLINE STATIONING.
3. ALL FITTINGS ON WATERLINES SHALL HAVE RESTRAINED JOINTS AS NOTED ON SHEET 15.

CONSTRUCT SAS SERVICES PER STD. DWG #2125.

4. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER STD. DWG. #2340.
5. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER STD. DWGS #2361, #2362 & #2363.
6. UNLESS OTHERWISE INDICATED, ALL SAS MANHOLES SHALL BE 4' DIAMETER, TYPE "E" PER STD. DWG# 2102.
7. WATER VALVES & TYPE "A" VALVE BOXES PER STD. DWGS. 2333 & 2326.
8. ALL WATER METER COVERS LOCATED WITHIN DRIVE PADS TO BE HEAVY DUTY.

AS BUILT INFORMATION
CONTRACTOR SUNDANCE 1/00
WORK STAKED BY CLINT SHERRILL + ASSOC. 12/00
INSPECTOR'S ACCEPTANCE BY DMG 12/00
VERIFICATION BY CLINT SHERRILL + ASSOC. 12/00
CORRECTED BY CLINT SHERRILL + ASSOC. 12/00
MICRO-FILM INFORMATION
RECORDED BY:
DATE:
NO.

BENCH MARKS
ACS ALUMINUM CAP STAMPED "9-C18 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD.
ELEV. = 5229.79, SLD 1929

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY: RBR DATE
DRAWN BY: RBR DATE
CHECKED BY: RBR

R Y A L S engineering & construction services
4929 Idlewilde Lane S.E. Albuquerque, NM 87108
(505) 265-8267 239-0194 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE POINT SUBDIVISION UTILITY COMPOSITE

Design Review Committee: AUG 2 4 2000
City Engineer Approval: APPROVED SEP 1 4 2000 CITY ENGINEER
Mo./Day/Yr. Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
600481	C-19	17	23

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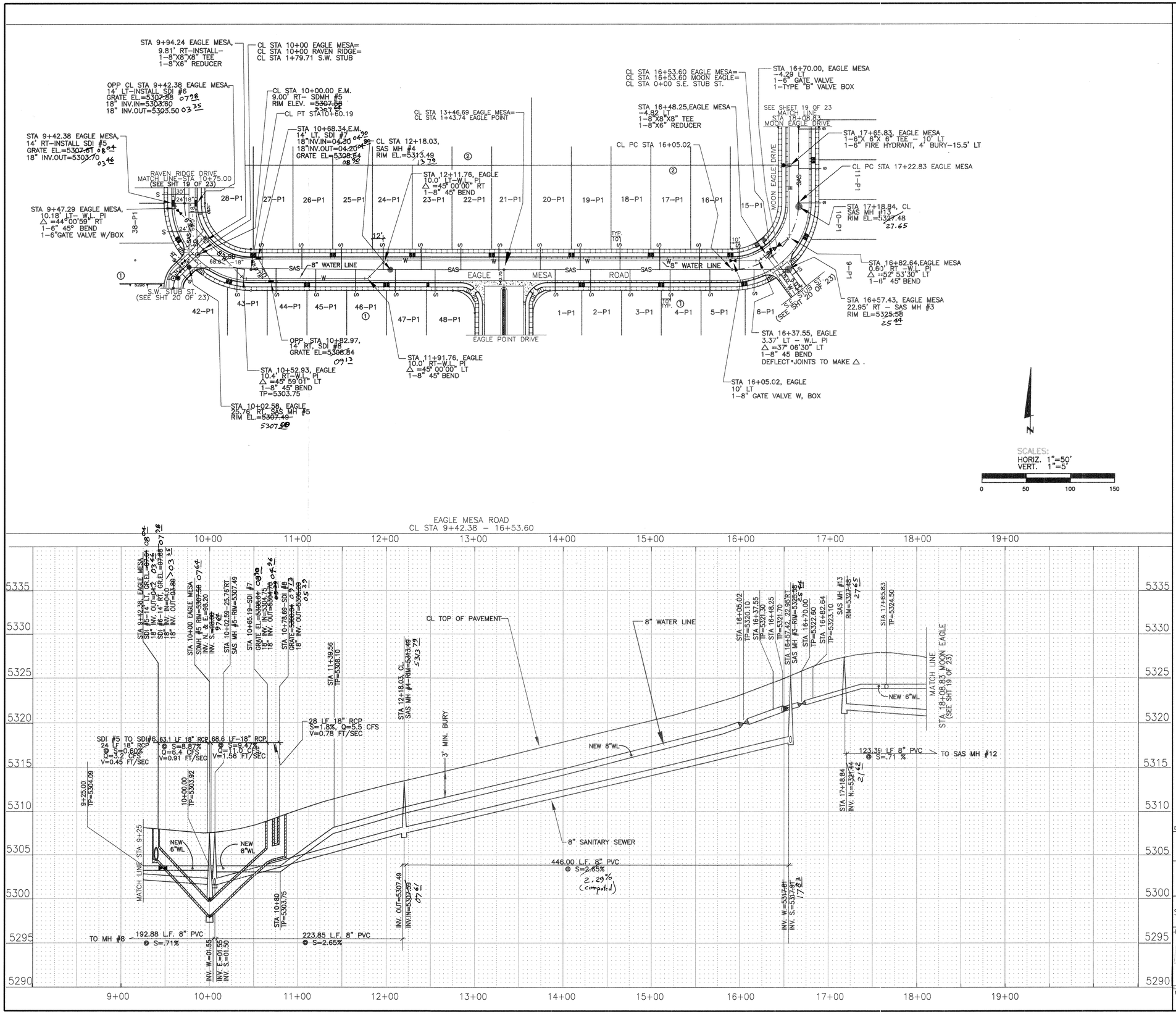

SAS SERVICE TABLE

BLK #	LOT #	STREET	STA@MAIN	ELE @ PL
1	1–P1	EAGLE MESA	14+04.60	5312.0
	2–P1	EAGLE MESA	14+44.63	5312.9
	3–P1	EAGLE MESA	14+89.27	5314.0
	4–P1	EAGLE MESA	15+34.70	5315.1
	5–P1	EAGLE MESA	15+79.70	5316.4
	6–P1	EAGLE MESA	16+28.87	5318.2
	7–P1	S.E. STUB ST.	SEE SHEET 20	
	8–P1	S.E. STUB ST.	SEE SHEET 20	
	9–P1	S.E. STUB ST.	SEE SHEET 20	
	10–P1	MOON EAGLE	17+22.90	5321.4
	11–P1	MOON EAGLE	17+62.09	5321.9
	12–P1	MOON EAGLE	18+06.35	5321.4
	37–P1	RAVEN RIDGE	9+32.24	5302.2
	38–P1	RAVEN RIDGE	9+74.79	5301.7
	39–P1	S.W. STUB ST.	SEE SHEET 20	
	40–P1	S.W. STUB ST.	SEE SHEET 20	
	41–P1	S.W. STUB ST.	SEE SHEET 20	
	42–P1	EAGLE MESA	SEE SHEET 20	
	43–P1	EAGLE MESA	10+44.56	5302.3
	44–P1	EAGLE MESA	10+88.70	5303.7
	45–P1	EAGLE MESA	11+33.70	5305.3
	46–P1	EAGLE MESA	11+78.70	5306.4
	47–P1	EAGLE MESA	12+23.70	5307.6
	48–P1	EAGLE MESA	12+68.70	5309.2
BLOCK 2				
	15–P1	EAGLE MESA	16+12.90	5317.5
	16–P1	EAGLE MESA	15+67.94	5316.1
	17–P1	EAGLE MESA	15+22.94	5314.8
	18–P1	EAGLE MESA	14+77.94	5313.7
	19–P1	EAGLE MESA	14+32.94	5312.6
	20–P1	EAGLE MESA	13+87.94	5311.6
	21–P1	EAGLE MESA	13+40.95	5310.4
	22–P1	EAGLE MESA	12+97.94	5309.4
	23–P1	EAGLE MESA	12+52.94	5308.3
	24–P1	EAGLE MESA	12+09.98	5307.3
	25–P1	EAGLE MESA	11+62.94	5306.0
	26–P1	EAGLE MESA	11+17.94	5304.7
	27–P1	EAGLE MESA	10+72.94	5303.2
	28–P1	EAGLE MESA	9+52.47	5301.6

LEGEND

DESCRIPTION	PROPOSED	EXISTING
WATER VALVE		
FIRE HYDRANT		
SINGLE WATER SERVICE		
DOUBLE WATER SERVICE		
STREET LIGHT		
STORM DRAIN MANHOLE		
CATCH BASIN		
SAS MANHOLE		
SEWER SERVICE	S	
WATER LINE	W	W
SEWER LINE	SAS	SAS
STORM DRAIN	SD	SD

DWG:C:\EAGLE\EPU DATED2/22/00 TIME:13:28 RYALS Engineering–BR

RYALS engineering & construction services
4929 Idlewilde S.E. Albuquerque, NM 87108
(505) 265–8267 239–0194 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
EAGLE POINT SUBDIVISION

TITLE: UTILITY PLAN AND PROFILE
STA 10+75.00–10+00 RAVEN RIDGESTA 10+00–16+53.60 E. MESA
STA 16+53.60–18+08.83 MOON EAGLE

Design Review Committee: AUG 24 2000 — DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVE SEP 14 2000 — CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 600481 | Zone Map No. C–19 | Sheet 18 Of 23

AS BUILT INFORMATION
CONTRACTOR SUNDANCE DATE 11/00
STAKED BY CLINT SHEREELL + ASSOC. DATE 1/00
INSPECTOR'S ACCEPTANCE BY DMG DATE 1/00
FIELD VERIFICATION BY CLINT SHEREELL + ASSOC. DATE 2/00
CORRECTED BY CLINT SHEREELL + ASSOC. DATE 2/00
MICRO–FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
CITY OF ALBUQUERQUE SURVEY MONUMENT
ACS ALUMINUM CAP STAMPED "9–C16 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD.
ELEV. = 5229.79, SLD 1929

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEW MEXICO 9043 REGISTERED PROFESSIONAL ENGINEER
2/22/00

REVISIONS
NO. DATE REMARKS BY

DESIGN
DESIGNED BY RBR, HFB, CC DATE
DRAWN BY DATE
CHECKED BY DATE

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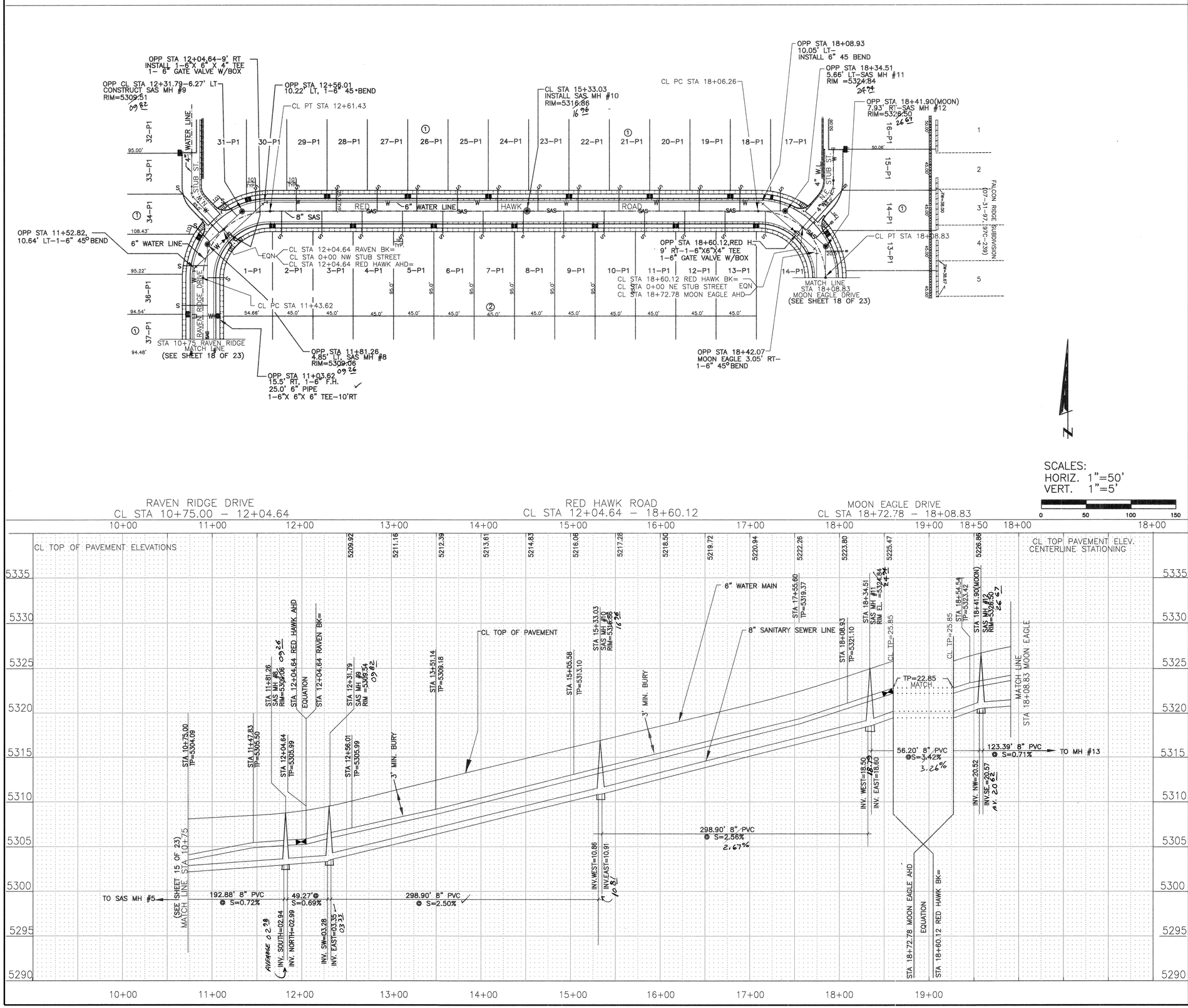


SCALES:
HORIZ. 1"=50'
VERT. 1"=5'

0 50 100 150

SAS SERVICE TABLE

BLK #	LOT #	STREET	STA@MAIN	ELE @ PL
1	13–P1	MOON EAGLE	19+01.50	5321.0
	14–P1	MOON EAGLE	18+74.99	5320.0
	15–P1	NE STUB ST	18+63.30	5319.0
	16–P1	NE STUB ST	18+47.37	5319.5
	17–P1	RED HAWK	18+24.82	5318.5
	18–P1	RED HAWK	17+85.66	5316.5
	19–P1	RED HAWK	17+40.37	5316.0
	20–P1	RED HAWK	16+95.61	5315.0
	21–P1	RED HAWK	16+50.77	5315.5
	22–P1	RED HAWK	16+05.14	5312.5
	23–P1	RED HAWK	15+60.42	5311.5
	24–P1	RED HAWK	15+15.42	5310.5
	25–P1	RED HAWK	14+70.49	5309.5
	26–P1	RED HAWK	14+25.03	5308.0
	27–P1	RED HAWK	13+80.89	5307.0
	28–P1	RED HAWK	13+35.31	5306.0
	29–P1	RED HAWK	12+90.44	5306.0
	30–P1	RED HAWK	12+50.36	5305.0
	31–P1	RED HAWK	12+19.35	5303.5
	32–P1	SE STUB ST	12+19.09	5303.0
	33–P1	SE STUB ST	12+01.31	5303.0
	34–P1	SE STUB ST	11+87.29	5302.5
	35–P1	RED HAWK	11+54.21	5302.0
	36–P1	RED HAWK	11+12.81	5301.0
2	1–P1	RED HAWK	11+43.62	5302.5
	2–P1	RED HAWK	12+99.53	5305.0
	3–P1	RED HAWK	13+44.53	5306.0
	4–P1	RED HAWK	13+89.53	5307.0
	5–P1	RED HAWK	14+34.53	5308.0
	6–P1	RED HAWK	14+79.53	5309.0
	7–P1	RED HAWK	15+24.53	5310.0
	8–P1	RED HAWK	15+69.53	5312.0
	9–P1	RED HAWK	16+14.53	5313.0
	10–P1	RED HAWK	16+59.53	5313.5
	11–P1	RED HAWK	17+04.53	5315.0
	12–P1	RED HAWK	17+49.53	5316.0
	13–P1	RED HAWK	17+94.53	5317.0
	14–P1	RED HAWK	18+39.53	5318.0

LEGEND

DESCRIPTION	PROPOSED	EXISTING
WATER VALVE		
FIRE HYDRANT		
SINGLE WATER SERVICE		
DOUBLE WATER SERVICE		
STREET LIGHT		
STORM DRAIN MANHOLE		
CATCH BASIN		
SAS MANHOLE		
SEWER SERVICE	S	
WATER LINE	W	W
SEWER LINE	SAS	SAS
STORM DRAIN	SD	SD

DWG:C:\EAGLE\DRC\REDU DATE03/22/00 TIME:10:11 RYALS Engineering–BR

RYALS
engineering & construction services
5301 Central, N.E.
Albuquerque, NM 87108
(505) 265–8267
239–0194 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE POINT SUBDIVISION
UTILITY PLAN AND PROFILE
STA 10+75.00–12+04.64 RAVIN RIDGE–STA 12+04.64–18+60.12 REDHAWK
STA 18+72.78–18+08.83 MOON EAGLE

Design Review Committee: APPROVED AUG 24 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 14 2000 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
600481	C–19	19	23

AS BUILT INFORMATION
CONTRACTOR SUNDANCE DATE 11/00
WORK STAKED BY CLINT SHERRILL + ASSOC. DATE 1/00
WORK INSPECTED BY DMG DATE 1/00
ACCEPTANCE BY
FIELD VERIFICATION BY CLINT SHERRILL + ASSOC. 2/00
DRAWINGS CORRECTED BY CLINT SHERRILL + ASSOC. DATE 2/00
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

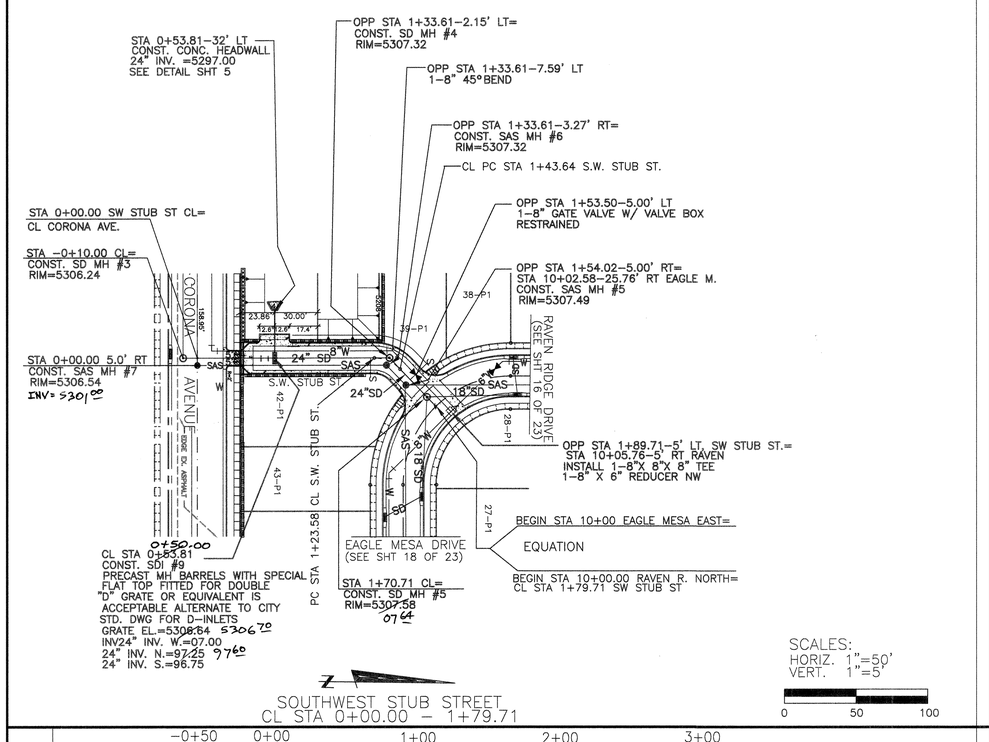
BENCH MARKS
ACS ALUMINUM CAP STAMPED "9–C18 1985"
LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD.
ELEV. = 5229.79, SLD 1929

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

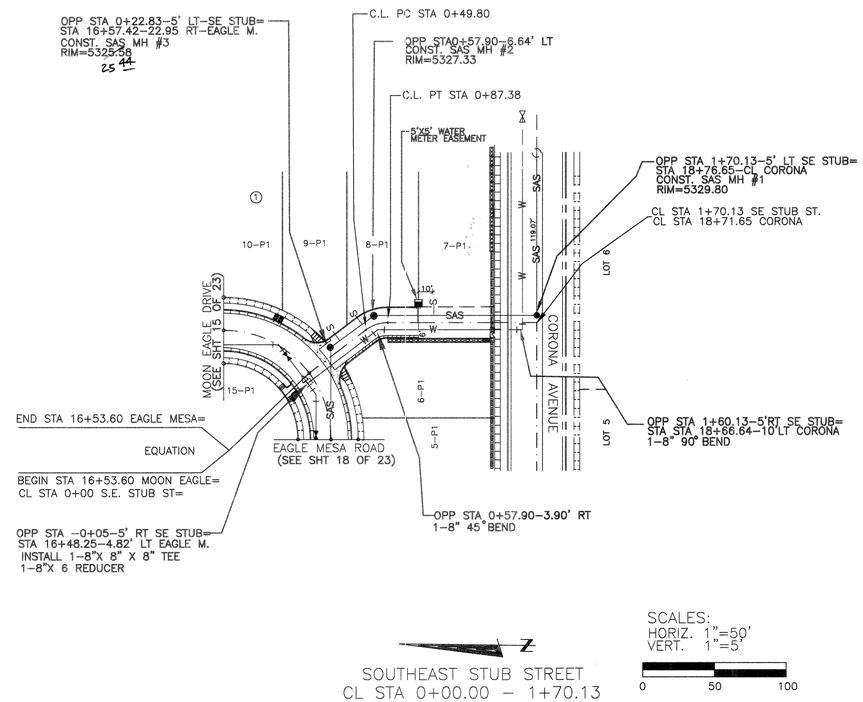
ENGINEER'S SEAL
STATE OF NEW MEXICO
GERARD GIDCUMB
9640
REGISTERED PROFESSIONAL ENGINEER
8/18/00

NO. | DATE | REMARKS | BY
REVISIONS
DESIGN
DESIGNED BY RBR, HFB, CC DATE
DRAWN BY DATE
CHECKED BY DATE

F:\DATA\DWGS\A001dgs\a0056eg1\Redu.dwg Thu Aug 17 07:56:11 2000 PLOTTED BY NHM



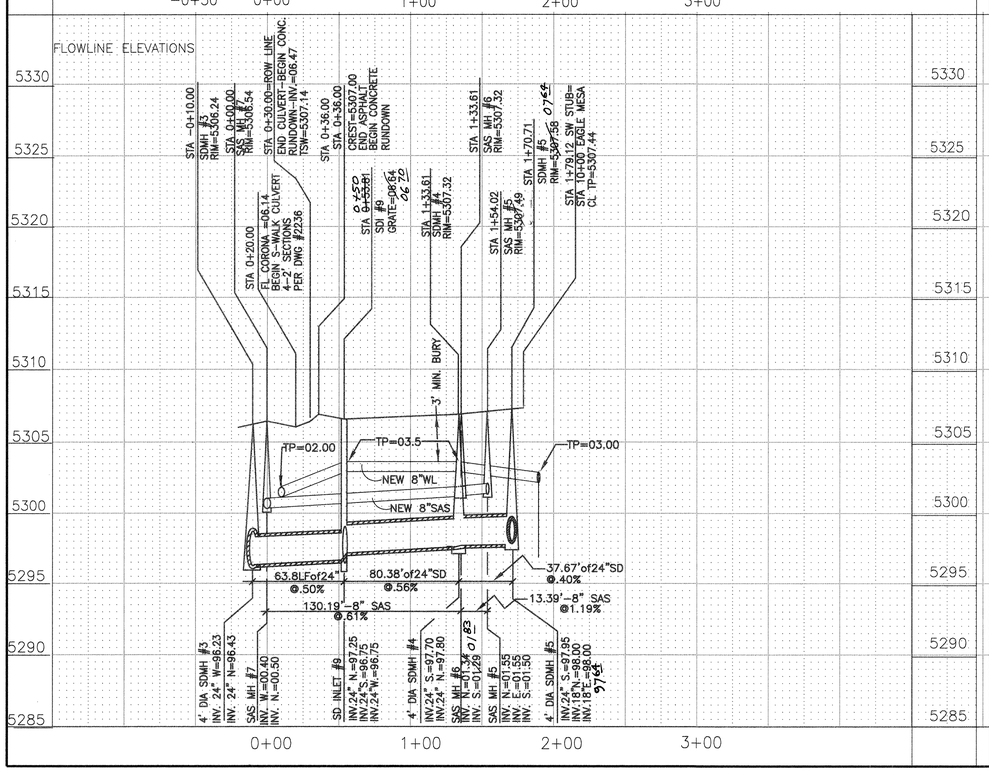
SOUTHWEST STUB STREET
CL STA 0+00.00 – 1+79.71

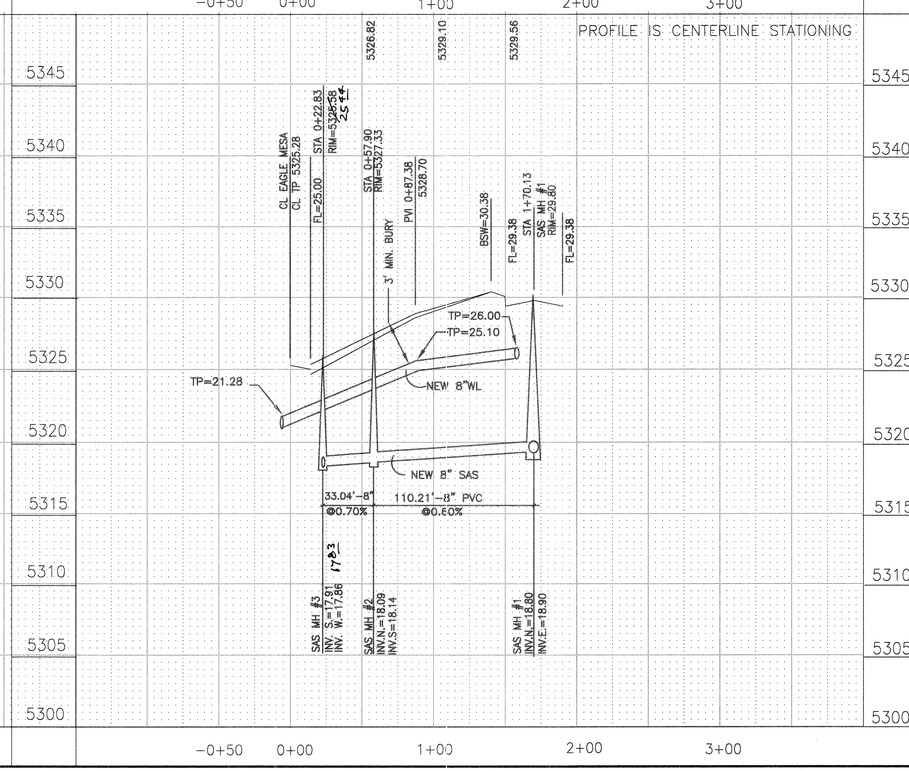


SOUTHEAST STUB STREET
CL STA 0+00.00 – 1+70.13

SAS SERVICE TABLE

BLK #	LOT #	STREET	STA@MAIN	ELE @ PL
1	7–P1	SE STUB ST	1+19.51	5325.0
	8–P1	SE STUB ST	0+50.01	5321.5
	9–P1	SE STUB ST	0+30.64	5320.4
	39–P1	SW STUB ST	1+33.86	5301.0
	42–P1	SW STUB ST	1+20.87	5301.0





LEGEND

DESCRIPTION	PROPOSED	EXISTING
WATER VALVE		
FIRE HYDRANT		
SINGLE WATER SERVICE		
DOUBLE WATER SERVICE		
STREET LIGHT		
STORM DRAIN MANHOLE		
CATCH BASIN		
SAS MANHOLE		
SEWER SERVICE	S	
WATER LINE	W	W
SEWER LINE	SAS	SAS
STORM DRAIN	SD	SD

DWG:C:\EAGLE\DRC\STUBS–U DATED4/11/00 TIME:11:14 RYALS Engineering–BR

R Y A L S engineering & construction services
5301 Central, N.E. Albuquerque, NM 87108
(505) 265–8267 239–0194 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
EAGLE POINT SUBDIVISION

TITLE: UTILITY PLAN AND PROFILE
SW STUB ST STA 0+00–1+79.71
SE STUB ST STA 0+00–1+70.13

Design Review Committee: APPROVED AUG 24 2000 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED SEP 14 2000 CITY ENGINEER

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
600481	C–19	20	23

AS BUILT INFORMATION

		DATE
CONTRACTOR	SUNDANCE	11/00
WORK STAKED BY	CLINT SHERRILL	4/28/00
INSPECTOR'S ACCEPTANCE BY	DMG	DATE 12/00
FIELD VERIFICATION BY	CLINT SHERRILL	DATE 2/00
DRAWINGS CORRECTED BY	CLINT SHERRILL	DATE 2/00

MICRO–FILM INFORMATION

RECORDED BY	DATE	NO.

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT

ACS CAP "7–K9"
ELEV. = 5137.36

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY RBR, HFB, CC	DATE	
DRAWN BY	DATE	
CHECKED BY	DATE	

ENGINEER'S SEAL

SEAL

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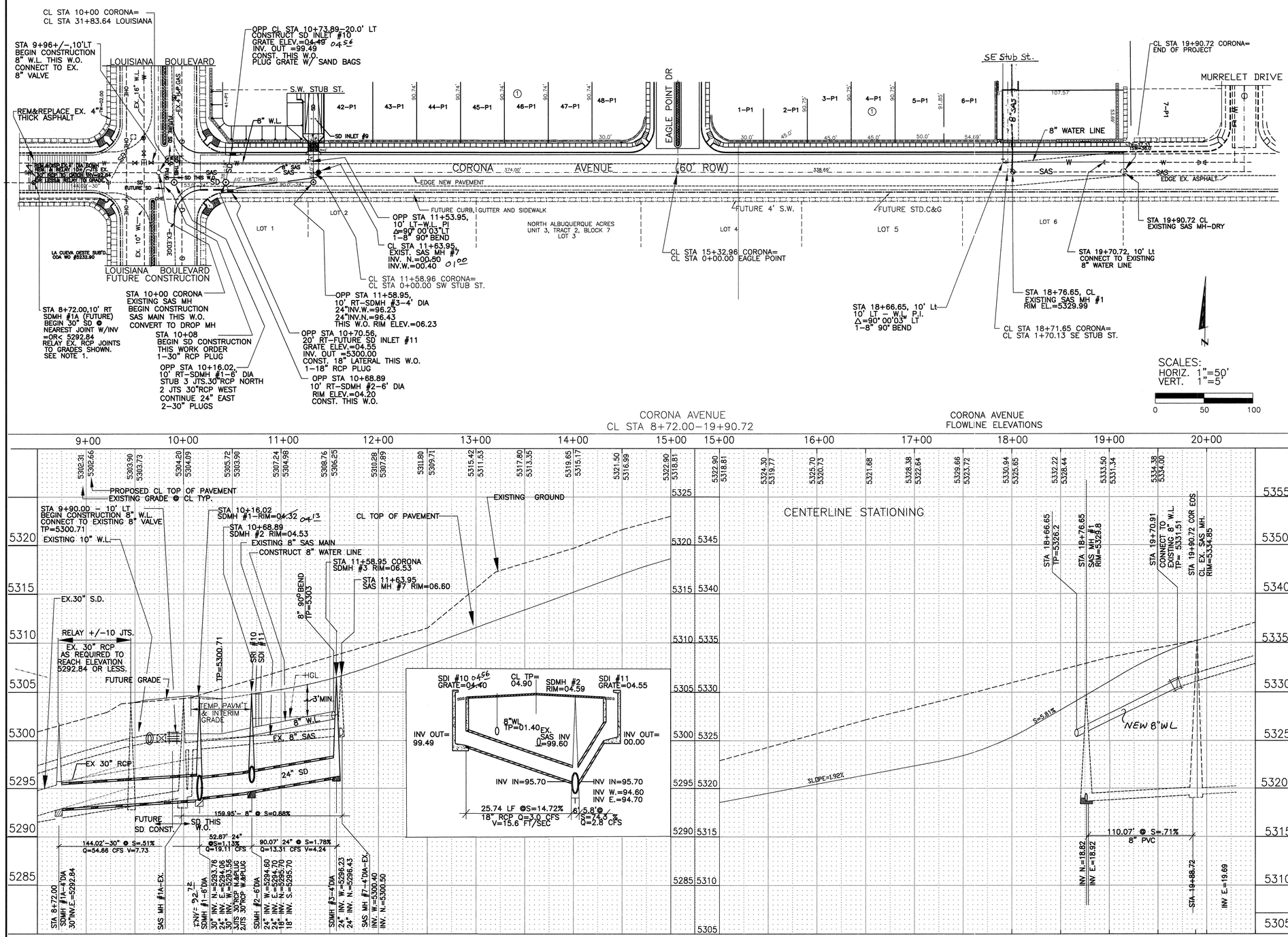

LEGEND

- HANDICAPPED RAMP
- H.C. RAMP (NO SIDE STREET WALK)
- VALLEY GUTTER
- RETAINING WALL
- GARDEN WALL (< 18" RETAINED)
- EXISTING RETAINING WALL
- EXISTING CURB, GUTTER & SIDEWALK
- FUTURE CURB, GUTTER & SIDEWALK
- 50' PAVEMENT TRANSITION
- PROPOSED STANDARD CURB
- PROPOSED MOUNTABLE CURB
- DEFERRED SIDEWALKS
- PROPOSED STORM DRAIN INLET
- 8"X12" CUT OFF WALL
- MEDIAN CURB AND GUTTER
- SIDEWALK THIS WORK ORDER
- STREET CENTER LINE
- EXISTING EDGE OF ASPHALT
- SAS MANHOLE
- STORM DRAIN MANHOLE

DWG:C:\EAGLE\DRC\CORU DATE08/02/00 TIME:11:03 RYALS Engineering-BR

RYALS
5301 Central, N.E.
(505) 265-8267
engineering & construction services
Albuquerque, NM 87108
239-0194 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE POINT SUBDIVISION
UTILITY PLAN AND PROFILE
STA.9+00.00-20+00.00 CORONA

Design Review Committee: AUG 24 2000 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED SEP 14 2000 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
600481	C-19	21	23

ENGINEER'S SEAL

D. MARK GOODWIN, NEW MEXICO, 8948, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY RBR, HFB, CC DATE
DRAWN BY DATE
CHECKED BY DATE

SURVEY INFORMATION

FIELD NOTES NO.	BY	DATE

BENCH MARKS

ACS ALUMINUM CAP STAMPED "9-C18 1985" LOCATED ON SOUTHEAST QUARRANT OF WILSHIRE AVE. AND SAN PEDRO BLVD. . ELEV. = 5229.79, SLD 1929

AS BUILT INFORMATION

CONTRACTOR SUNDANCE DATE 11/99
WORK STAKED BY Clint Sisemore/T-Bone DATE 01/00
WORK STAKED BY DATE
ACCEPTANCE BY Dung DATE 6/00
FIELD VERIFICATION BY Clint Sisemore/T-Bone DATE 6/00
DRAWINGS CORRECTED BY CLINT SIEGERT DATE 8/00
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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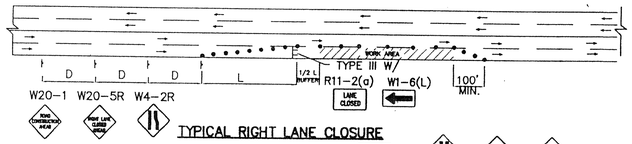
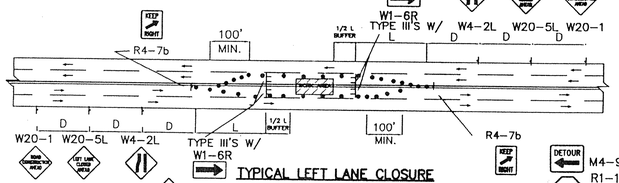
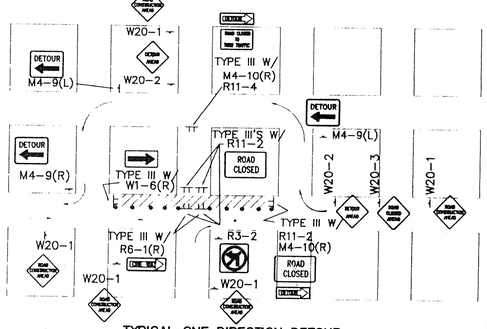


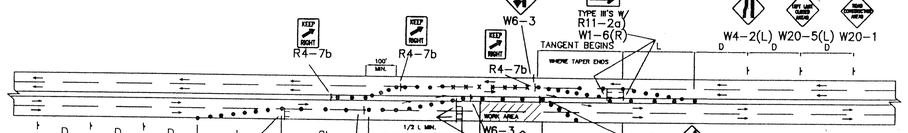
TYPICAL RIGHT LANE CLOSURE



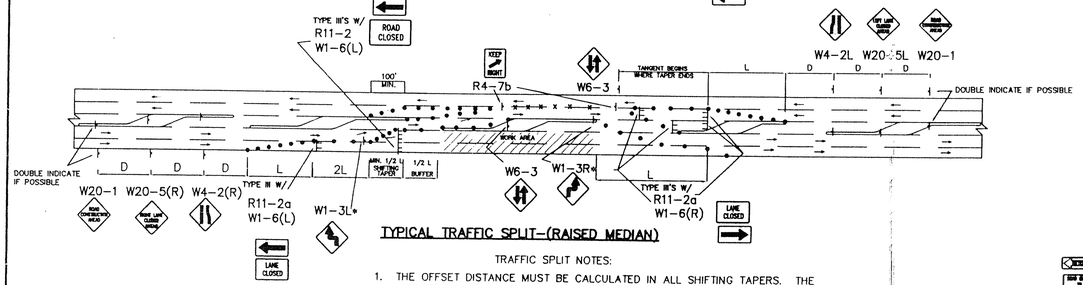
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR



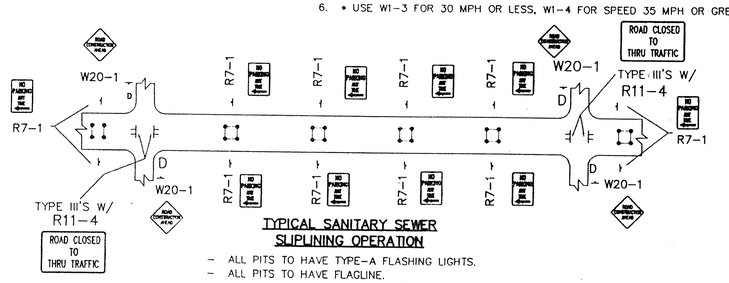
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

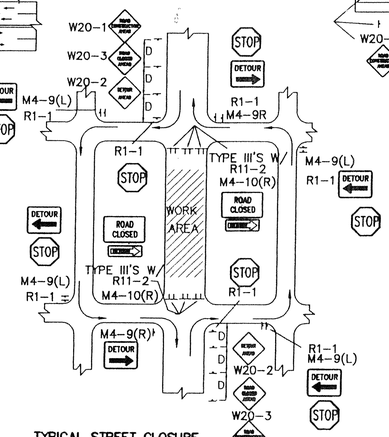
TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



TYPICAL SANITARY SEWER SUPLINING OPERATION

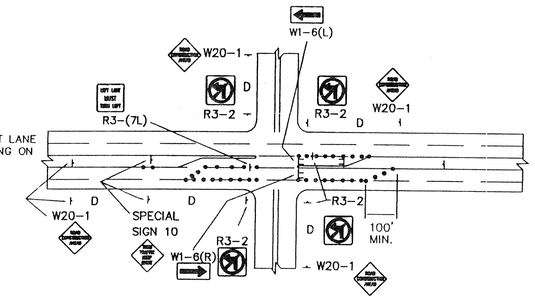
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.



TYPICAL STREET CLOSURE

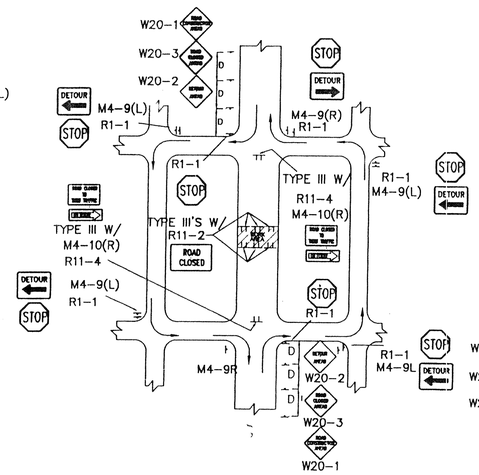
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

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



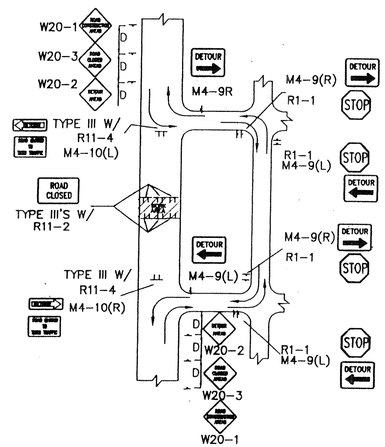
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION



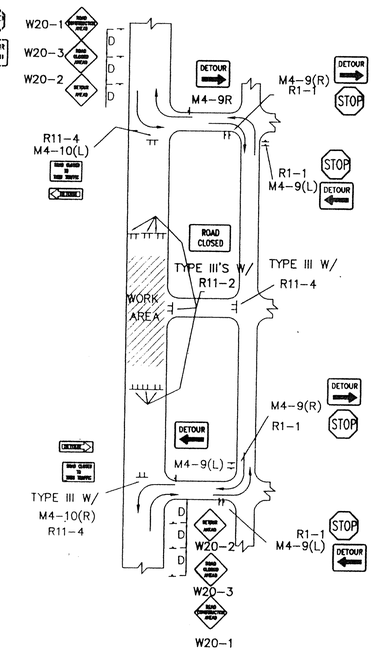
TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



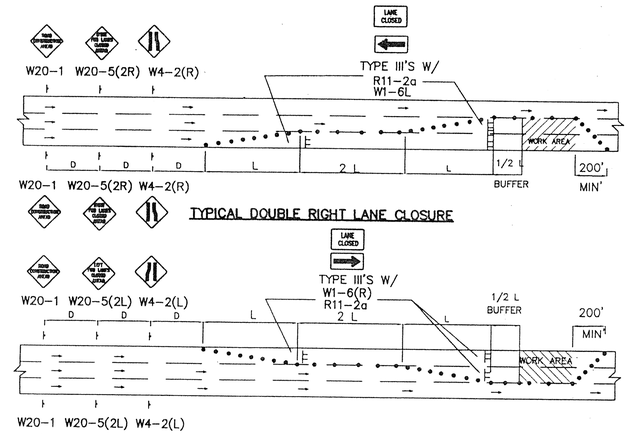
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



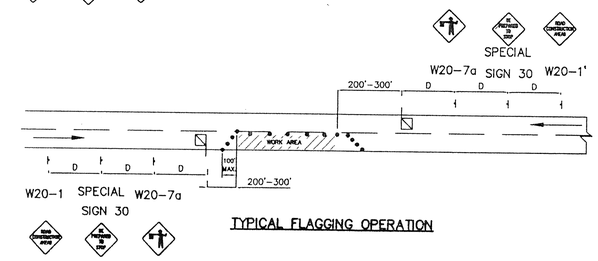
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

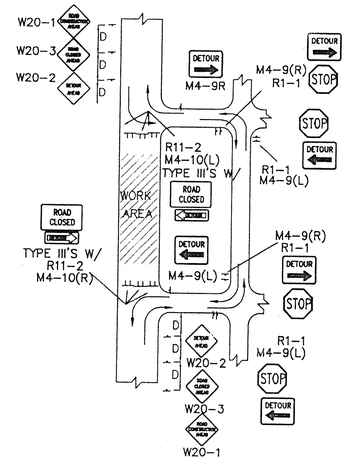


TYPICAL DOUBLE RIGHT LANE CLOSURE

TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

GENERAL NOTE:

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

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT. ⚠

AS BUILT INFORMATION
CONTRACTOR SUNDANCE DATE 1/00
WORK STAKED BY CLINT SHERRILL + ASSOC. DATE 1/00
INSPECTED BY CLINT SHERRILL DATE 1/00
ACCEPTANCE BY DMG DATE 1/00
FIELD VERIFICATION BY CLINT SHERRILL + ASSOC. DATE 1/00
DRAWINGS REVISED BY CLINT SHERRILL + ASSOC. DATE 1/00
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
WILFORD R. TOLLA JR. NEW MEXICO 5985 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY
1	9/2/97	REVISED GENERAL NOTE	J.D.L.

REMARKS
DESIGN
DESIGNED BY C.O.A. STANDARDS DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

DESIGN REVIEW COMMITEE: C O A Standard
CITY ENGINEER APPROVAL
LAST UPDATE MO./DAY/YR. MO./DAY/YR.

PROJECT NO. 600481 | MAP NO. C-19 | SHEET 22 OF 23

STDSTND2.DWG

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24HOUR PER DAY BASIS UNTIL COMPLETED. (1)

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. (2)

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.

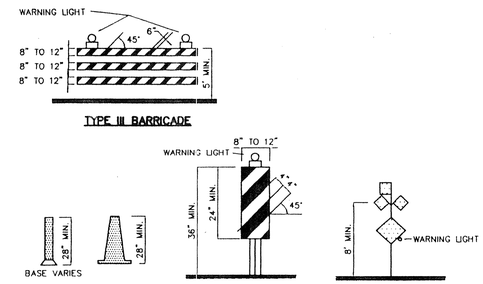
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO 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 HEIGTH AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D. (3)

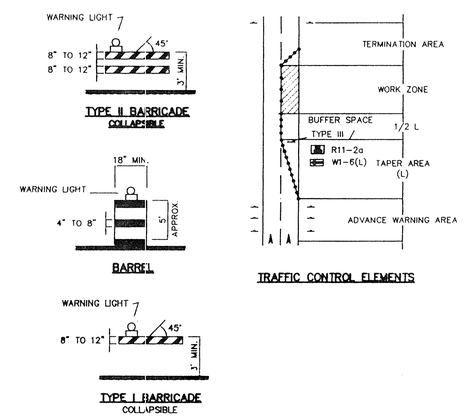
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. (4)



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 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

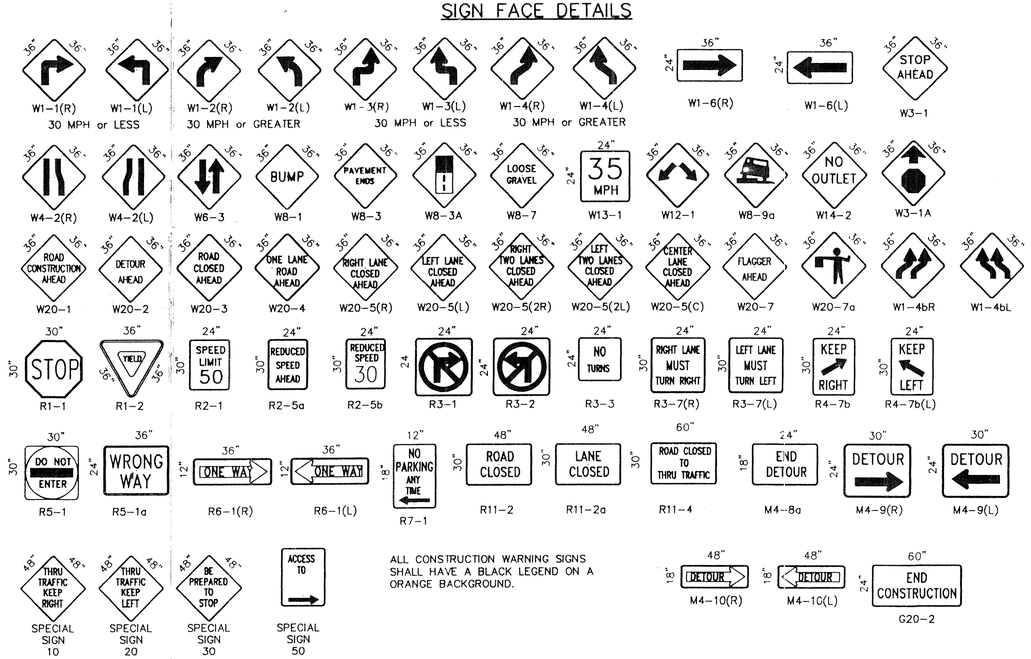
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER,	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



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

AS BUILT INFORMATION
CONTRACTOR SUNDANCE DATE 9/96
WORK STAKED BY CLINT SHERRILL DATE 9/96
STAKED BY CLINT SHERRILL DATE 9/96
INSPECTOR'S ACCEPTANCE BY DMG DATE 9/96
FIELD VERIFICATION BY CLINT SHERRILL DATE 9/96
DRAWINGS CORRECTED BY CLINT SHERRILL DATE 9/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

SEAL

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	9/25/97	ADD NOTE NO. 27	J.D.L.
2	9/24/97	REVISED NOTE NO. 26	J.D.L.
3	9/24/97	REVISED NOTE NO. 19	J.D.L.
4	9/24/97	REVISED NOTE NO. 11	J.D.L.

REVISIONS

DESIGN
DESIGNED BY DATE
DRAWN BY C.O.A. STANDARDS DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR	MO./DAY/YR
C O A Standard				

PROJECT NO. 600481 | MAP NO. C-19 | SHEET 23 OF 23

DWG DIN1S312