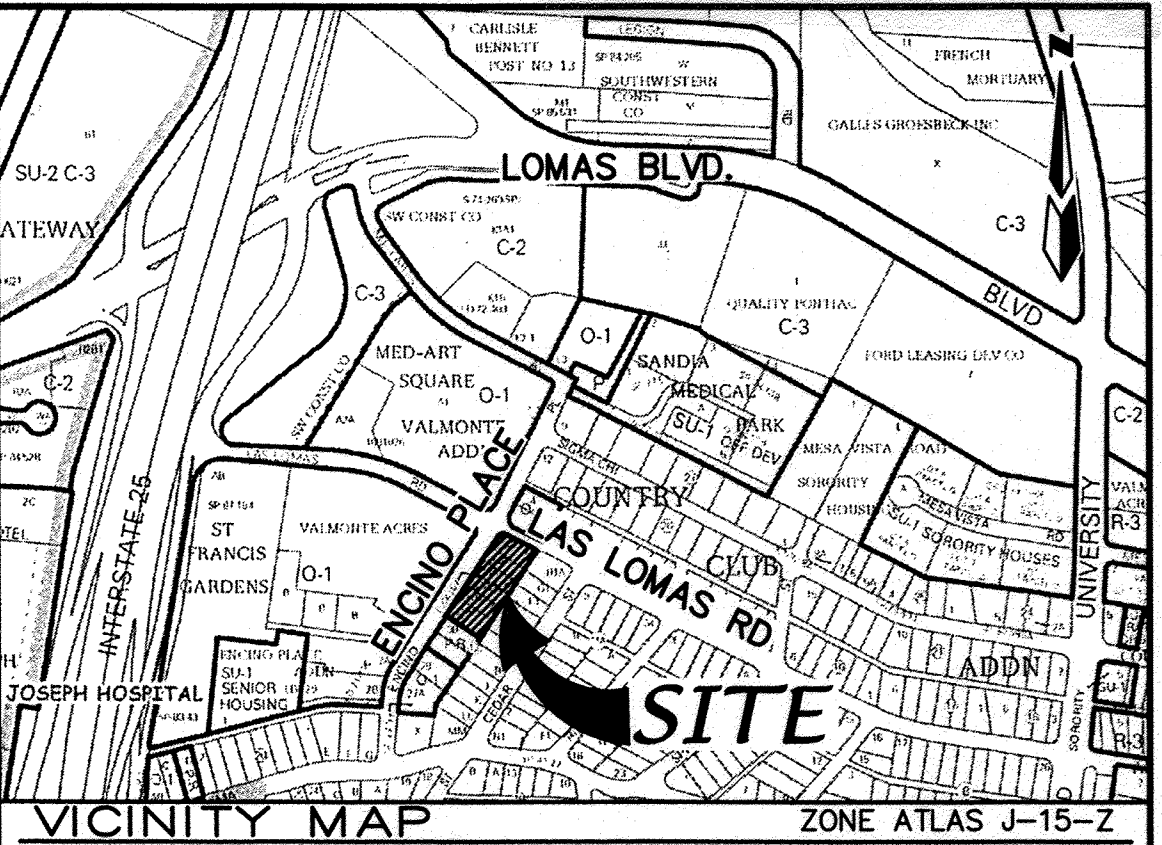


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-65222.81-2012

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PLANNING

CONSTRUCTION PLANS
FOR
SPRUCE PARK COMPOUND
PAVING AND UTILITY IMPROVEMENTS
ALBUQUERQUE, NEW MEXICO



GENERAL NOTES

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-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, 1988 EDITION AS REVISED THROUGH UPDATE #8.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1980) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAINT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
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 HAVE 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. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT [HTTP://ABCMUA.ORG/CONTENT/VIEW/729/](http://abcmua.org/content/view/full/729/).
12. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650, SUBPART P.
14. ELECTRONIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION AS REVISED THROUGH UPDATE #8.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
16. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, HANDICAP RAMPS AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER CITY OF ALBUQUERQUE STANDARDS, AT HIS OWN EXPENSE.

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2	PLAT
3	GRADING & DRAINAGE
4	PAVING IMPROVEMENTS
5	UTILITY AND SIDEWALK IMPROVEMENTS

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
Anthony Reyes
DATE: 12/12/12

SURVEYOR'S CERTIFICATION

I, WILL PLOTNER JR., A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND "AS-BUILT" SURVEYS PERFORMED BY ME OR UNDER MY SUPERVISION, THAT THE "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS WAS ADDED BY ME OR UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. CARTESIAN SURVEYS IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.

Will Plotner Jr.
WILL PLOTNER JR., NMPS 14271

DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL STRIPING AND SIGNING WITHIN PRIVATE DEVELOPMENT ACCESS EASEMENT.

DRB PROJECT NO.
1004387

RECORD DRAWING
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diane Hoelzer, NMPE 11967, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the "AS-BUILT" construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by Will Plotner Jr., Cartesian Survey, NMPS number 14271.

Diane Hoelzer 11-9-12
Diane Hoelzer NMPE 11967

I, Diane Hoelzer, certify that this electronic version is identical to the original reproducible APPROVED FOR CONSTRUCTION drawings signed by me on November 9, 2012.

This set of drawings is accepted for RECORD purposes by _____ on _____, 2012.

CAUTION:

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

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

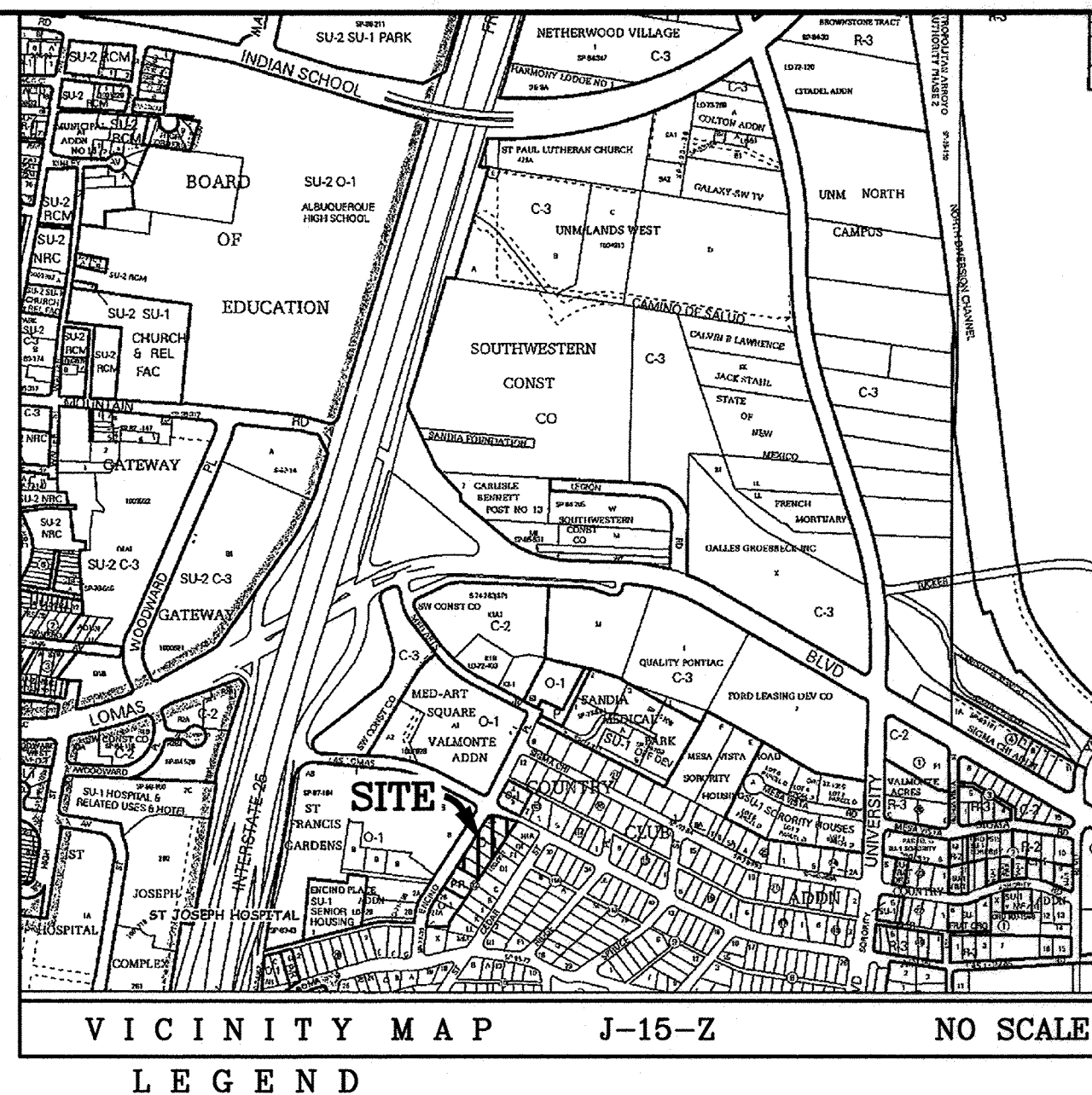
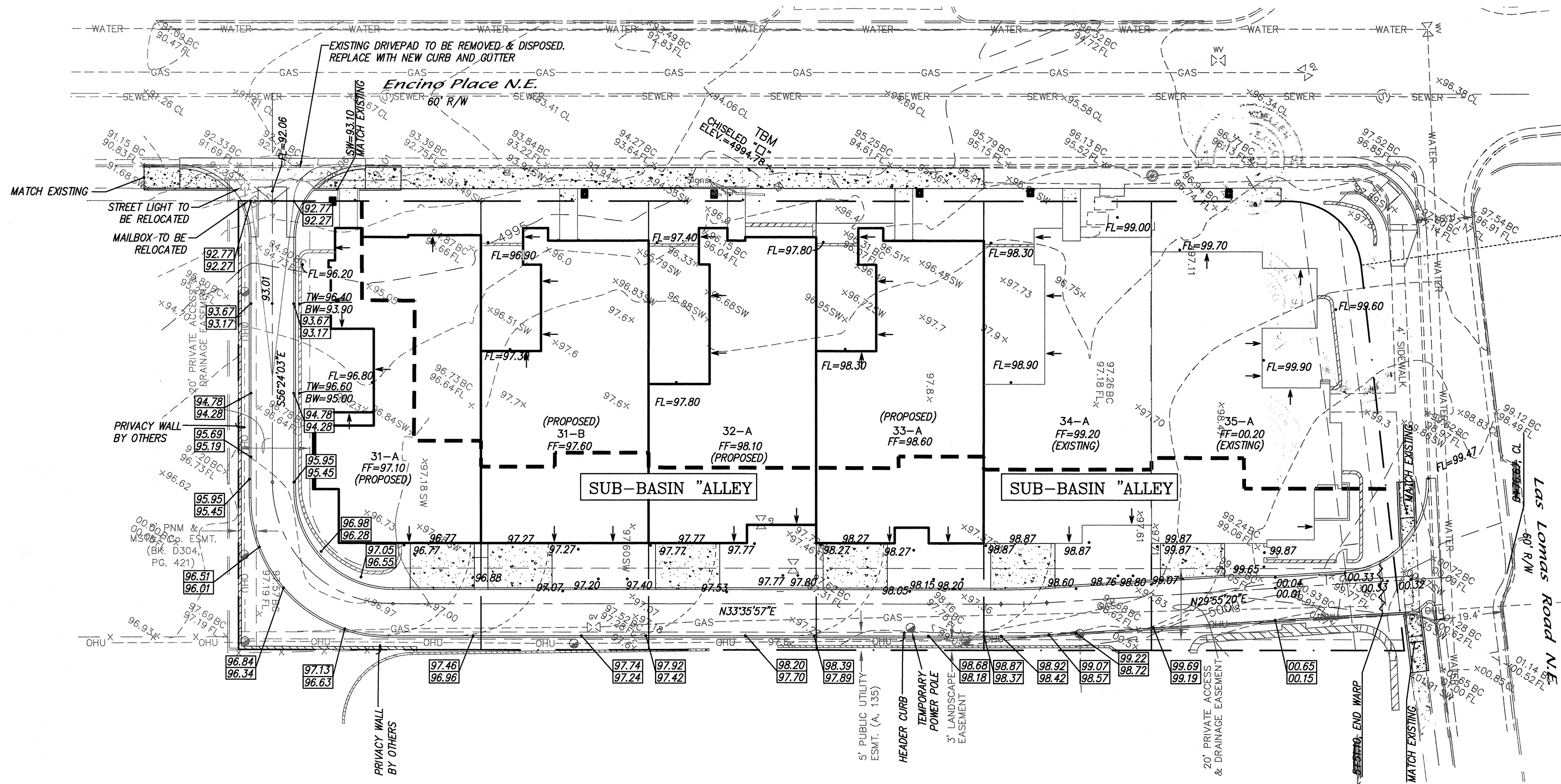
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☒ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A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

REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
1	1	APPROVED	11/8/12	WILL PLOTNER JR.	ENGINEER	11/8/12	WILL PLOTNER JR.	ENGINEER	11/8/12
2	2	APPROVED	11/8/12	WILL PLOTNER JR.	ENGINEER	11/8/12	WILL PLOTNER JR.	ENGINEER	11/8/12
3	3	APPROVED	11/8/12	WILL PLOTNER JR.	ENGINEER	11/8/12	WILL PLOTNER JR.	ENGINEER	11/8/12
4	4	APPROVED	11/8/12	WILL PLOTNER JR.	ENGINEER	11/8/12	WILL PLOTNER JR.	ENGINEER	11/8/12
5	5	APPROVED	11/8/12	WILL PLOTNER JR.	ENGINEER	11/8/12	WILL PLOTNER JR.	ENGINEER	11/8/12

ENGINEERS STAMP & SIGNATURE	APPROVALS	DATE	APPROVED FOR CONSTRUCTION
<i>Diane Hoelzer</i>	DRC CHAIRMAN	6/16/12	
	TRANSPORTATION	5-30-12	
	WATER/WASTEWATER	5-19-12	
	HYDROLOGY	3-19-12	
	CIP		
	CONSTR. MNGMT.		
	CONSTR. COORD.		
	A.M.A.F.C.A.		
	CITY PROJECT NO.	652281	

SHEET	OF
1	5

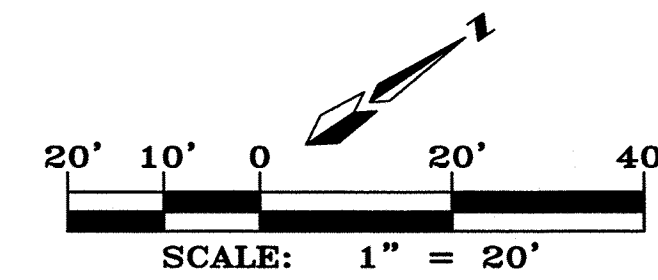
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PLANNING



DRAINAGE DATA

CONDITION	STORM RETURN PERIOD	TREATMENT TYPE	TREATMENT AREA	EXCESS PRECIPITATION	PEAK RUNOFF	RUNOFF VOLUME	RUNOFF RATE
	year	(table 4)	sq. ft.	(table 8)	(table 9)	cu. ft.	cfs
EXISTING	10	A	0	0.13	0.38	0	0.00
		B	7371	0.28	0.95	172	0.16
		C	0	0.52	1.71	0	0.00
		D	32897	1.34	3.14	3885	2.38
		TOTAL	40368			3857	2.54
	100	A	0	0.53	1.56	0	0.00
		B	7371	0.78	2.28	479	0.39
		C	0	1.13	3.14	0	0.00
		D	32897	2.12	4.7	5629	3.56
		TOTAL	40368			6309	3.95
DEVELOPED	10	A	0	0.13	0.38	0	0.00
		B	9701	0.28	0.95	226	0.21
		C	0	0.52	1.71	0	0.00
		D	30667	1.34	3.14	3424	2.21
		TOTAL	40368			3651	2.42
	100	A	0	0.53	1.56	0	0.00
		B	9701	0.78	2.28	631	0.51
		C	0	1.13	3.14	0	0.00
		D	30667	2.12	4.7	5418	3.31
		TOTAL	40368			6048	3.82
DEVELOPED	10	A	0	0.13	0.38	0	0.00
		B	4183	0.28	0.95	98	0.14
		C	0	0.52	1.71	0	0.00
		D	15595	1.34	3.14	1741	1.70
		TOTAL	19778			1838	1.84
DEVELOPED	10	A	0	0.13	0.38	0	0.00
		B	782	0.28	0.95	18	0.02
		C	0	0.52	1.71	0	0.00
		D	2436	1.34	3.14	272	0.16
		TOTAL	3218			288	0.19

0.00 ALLEY = 1.84 cfs. SEE AHWMO OUTPUT, DRAINAGE REPORT FOR SPRUCE PARK COMPOUND.



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OFFICE (505) 828-2200, FAX (505) 797-9539

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

TITLE: **SPRUCE PARK COMPOUND
GRADING & DRAINAGE PLAN**

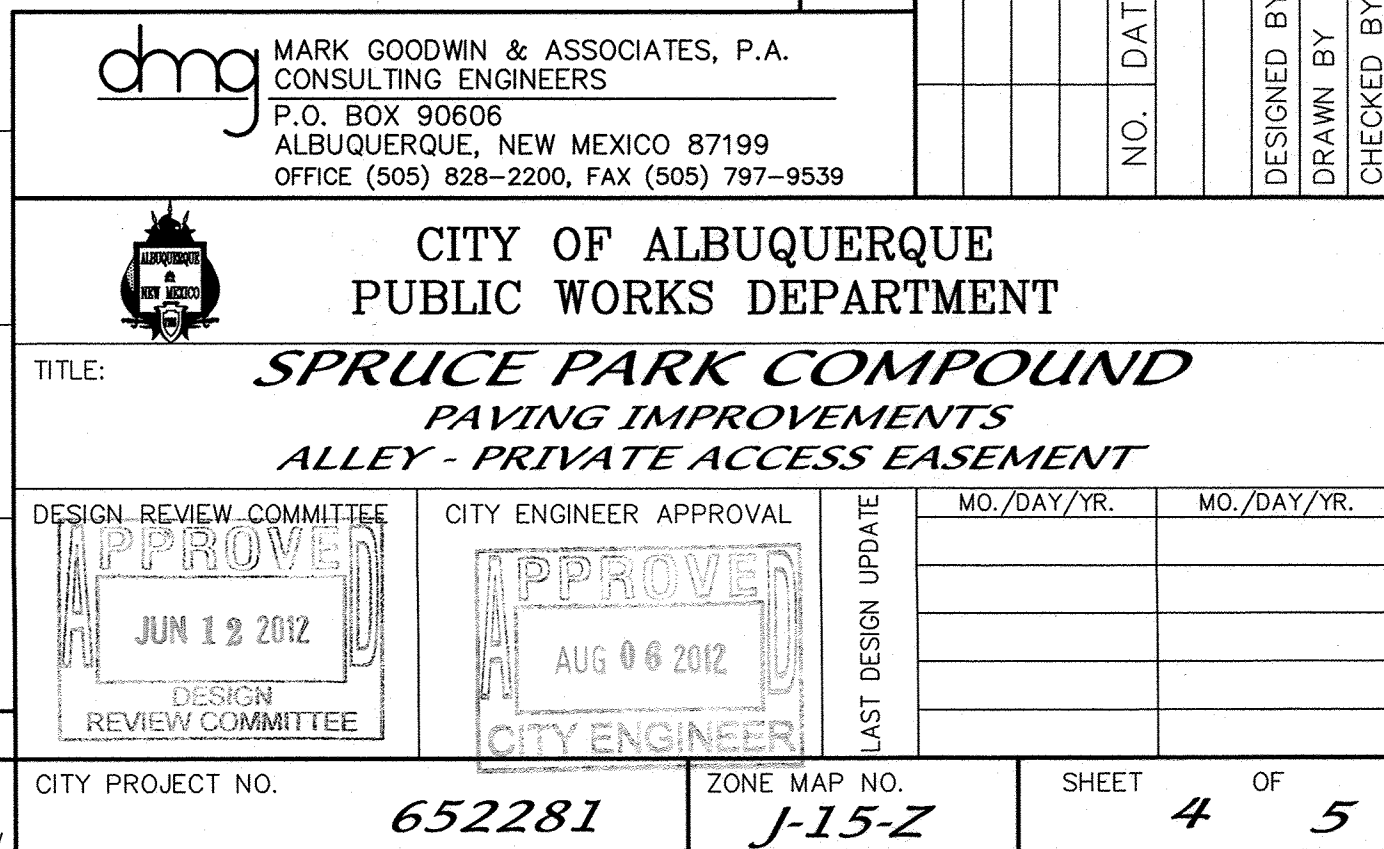
DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

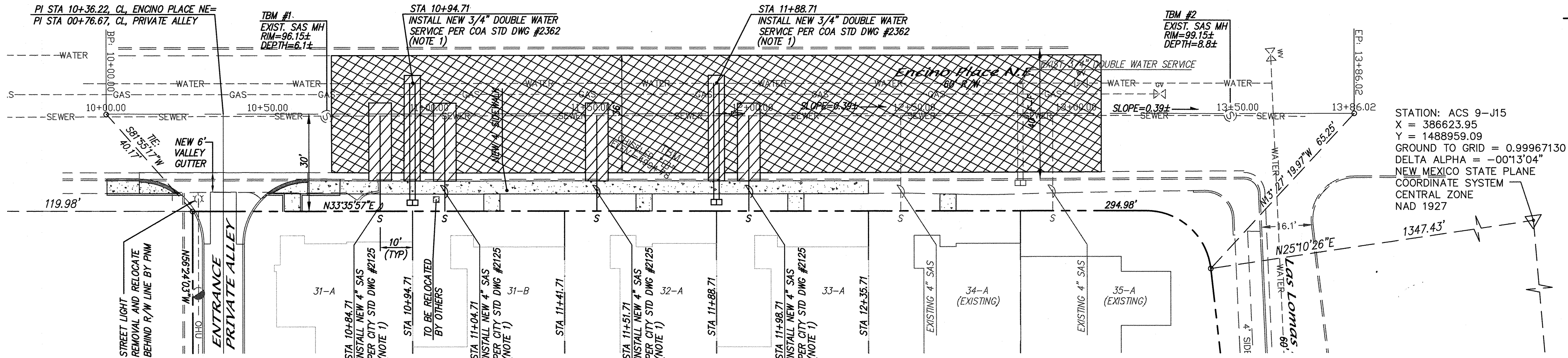
MO./DAY/YR. MO./DAY/YR.

For Information Only

CITY PROJECT NO. **652281** ZONE MAP NO. **J-15-Z** SHEET **3** OF **5**



SCANNED BY
PLANNING



UTILITY PAVEMENT CUTS - ENCINO PLACE

SCALE: 1"=20'

NOTES

1. ALL PAVEMENT REMOVALS AND REPLACEMENTS FOR UTILITY CONNECTIONS SHALL BE IN ACCORDANCE WITH CITY STD DWG #2465. TOP OF SAS SVS @ R/W LINE SHALL BE 4.0' BELOW TOP OF CURB.
2. INSTALL ONE-WAY SIGN PER COA STD. DWG. (R6-1L-36).
3. INSTALL DO NOT ENTER SIGN PER COA STD. DWG. (R5-1-30).

SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
12	31-A	10+84.71	91.72	30.00'
12	31-B	11+04.71	92.05	30.00'
12	32-A	11+51.71	92.83	30.00'
12	33-A	11+98.71	93.60	30.00'
12	34-A	12+45.71	94.38	30.00'
12	35-A	12+92.71	95.16	30.00'

CURVE DATA - DESCRIBES FACE OF STANDARD CURB

- ① Δ = 90°00'00" R = 20.00' L = 31.42' T = 28.28'
- ② Δ = 90°16'58" R = 20.00' L = 31.51' T = 28.35'

CONSTRUCTION NOTES

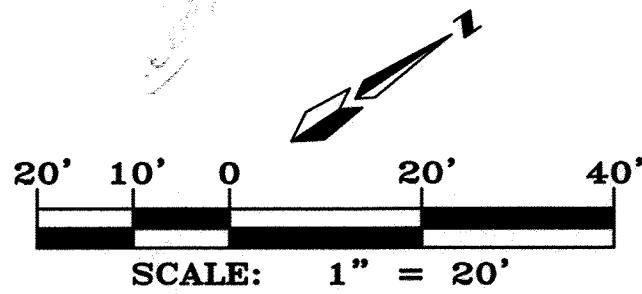
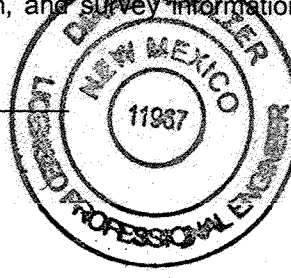
1. ALL SIDEWALKS TO BE INSTALLED PER C.O.A. STD DWG 2430. EXCEPT FOR HORIZONTAL GEOMETRY SHOWN HEREON.
2. ALL 6" VALLEY GUTTERS PER C.O.A. STD DWG 2420 WITH MODIFIED INVERT NOT TO EXCEED 1" CROSS SLOPE FROM VALLEY GUTTER FACE TO INVERT=2% FOR HANDICAP ACCESSIBLE.
3. ALL HANDICAP RAMPS PER COA STD DWG#2426. ALL RAMPS TO INCLUDE TRUNCATED DOMES.
4. AT EACH DRIVEWAY TRANSITION FROM RAISED CURB TO FLUSH HEADER CURB OVER DISTANCE OF 10' INTO SITE.

- MILL AND OVERLAY WITH 2" ASPHALT, TYPE B. REMOVE AND REPLACE CURB & GUTTER PER STD DTL 2415A. FULL WIDTH INCLUSIVE OF UTILITY CUTS 5-30-12
- UTILITY PAVEMENT CUT LIMITS PER STD DTL 2465 REMOVE & REPLACE PAVEMENT PER STD DTL 2465

RECORD DRAWING
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS
FOR SPRUCE PARK COMPOUND

I, Diane Hoelzer, NMPE 11967, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by Will Plotner, Jr., NMPS number 14271.

Diane Hoelzer 11-9-12
Diane Hoelzer NMPE 11967



AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	DATE	DATE	DATE	WORK	DATE	DATE	DATE	NO.	BY	DATE	DATE	NO.	BY	DATE	DATE
STAKED BY: Cartesian Surveys Inc.	9/1/12	DATE	DATE	THE STATION IS STD. ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BM	DATE	DATE	DATE								
ACCEPTED BY: Cartesian Surveys Inc.	DATE	DATE	DATE	11-105" EXPOSED ON TOP OF THE CONCRETE CURB RETURN, ESE QUADRANT	DATE	DATE	DATE								
FIELD CORRECTION BY: Cartesian Surveys Inc.	DATE	DATE	DATE	OF LOMAS BLVD. AND WOODWARD PLACE NE. ELEV = 5024.83 (NAD 83)	DATE	DATE	DATE								
DRAWINGS CORRECTED BY: Cartesian Surveys Inc.	DATE	DATE	DATE		DATE	DATE	DATE								
RECORDED BY: Cartesian Surveys Inc.	DATE	DATE	DATE		DATE	DATE	DATE								
NO.	NO.	NO.	NO.		DATE	DATE	DATE								



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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: SPRUCE PARK COMPOUND UTILITY AND SIDEWALK IMPROVEMENTS ENCINO PLACE, N.E.	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
APPROVED JUN 12 2012 DESIGN REVIEW COMMITTEE	APPROVED AUG 06 2012 CITY ENGINEER
CITY PROJECT NO. 652281	ZONE MAP NO. J-15-Z
SHEET 5 OF 5	