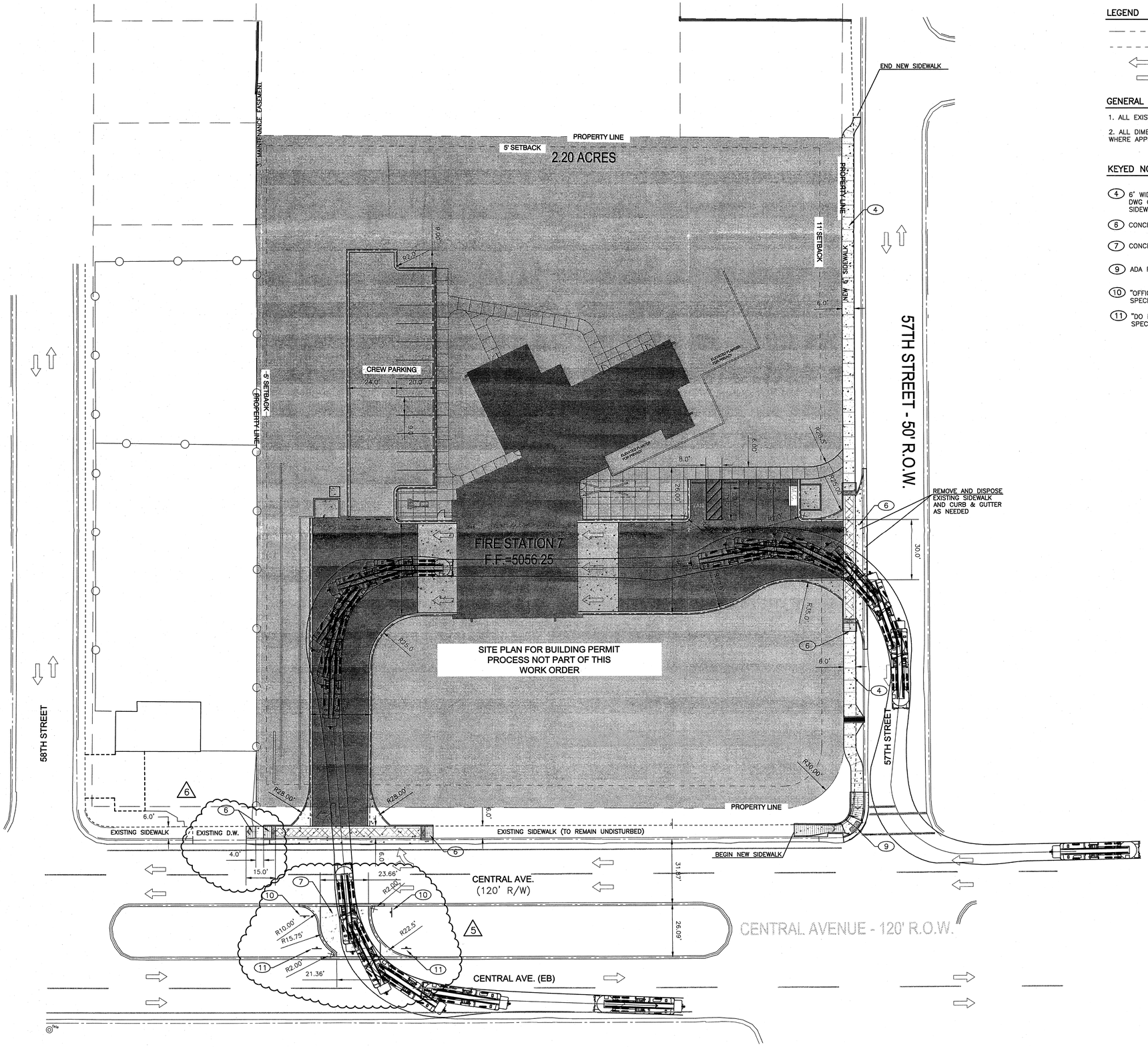


LEGEND

PROPERTY LINE

SETBACK LINE

TRAFFIC FLOW

GENERAL NOTES

1. ALL EXISTING UTILITIES MAY NOT BE SHOWN.
2. ALL DIMENSIONS ARE THE FLOWLINE OF CURB AND GUTTER WHERE APPLICABLE.

KEYED NOTED

4. 6' WIDE CONCRETE SIDEWALK. SEE TYPICAL SECTION DWG C-501. REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK.
6. CONCRETE DRIVEWAY AND RAMPS. SEE DETAIL DWG C-501
7. CONCRETE MEDIAN CROSSOVER. SEE DETAILS DWG C-501
9. ADA RAMP PER COA STD. DWG. 2441
10. "OFFICIAL VEHICLES ONLY" – R5-11. PER MUTCD CODES AND SPECIFICATIONS.
11. "DO NOT ENTER" – R5-1. PER MUTCD CODES AND SPECIFICATIONS.

AS BUILT INFORMATION

CONTRACTOR: DATE
STAKED BY: DATE
INSPECTOR'S ACCEPTANCE: DATE
FIELD VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: DATE

MICRO-FILM INFORMATION

RECORDED BY: DATE
NO.

BENCH MARKS

CAP: NM_448_C1
N=485492.273, E=505010.213, EL=5076.70

CAP: 5_K10
N=484902.150, E=502747.375

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

SEAL

JOHN M. PROVINE 10997 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
6	01.03.12	ADDITIONAL DIMENSIONS AND INFO.	M-C
5	01.03.12	NEW SIGNS FOR MEDIAN CROSSING	M-C

REVISIONS

DESIGN

DESIGNED BY CWG DATE 12.26.11
DRAWN BY CWG DATE 12.26.11
CHECKED BY JMP DATE 12.26.11

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

Dekker/Perich/Sabatini
architecture • interiors • landscape • planning • engineering
7601 Jefferson NE, Suite 100
Albuquerque, NM 87109
505 761-9700
fax 761-4222

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

PROJECT TITLE:
FIRE STATION 7
ALBUQUERQUE, NEW MEXICO

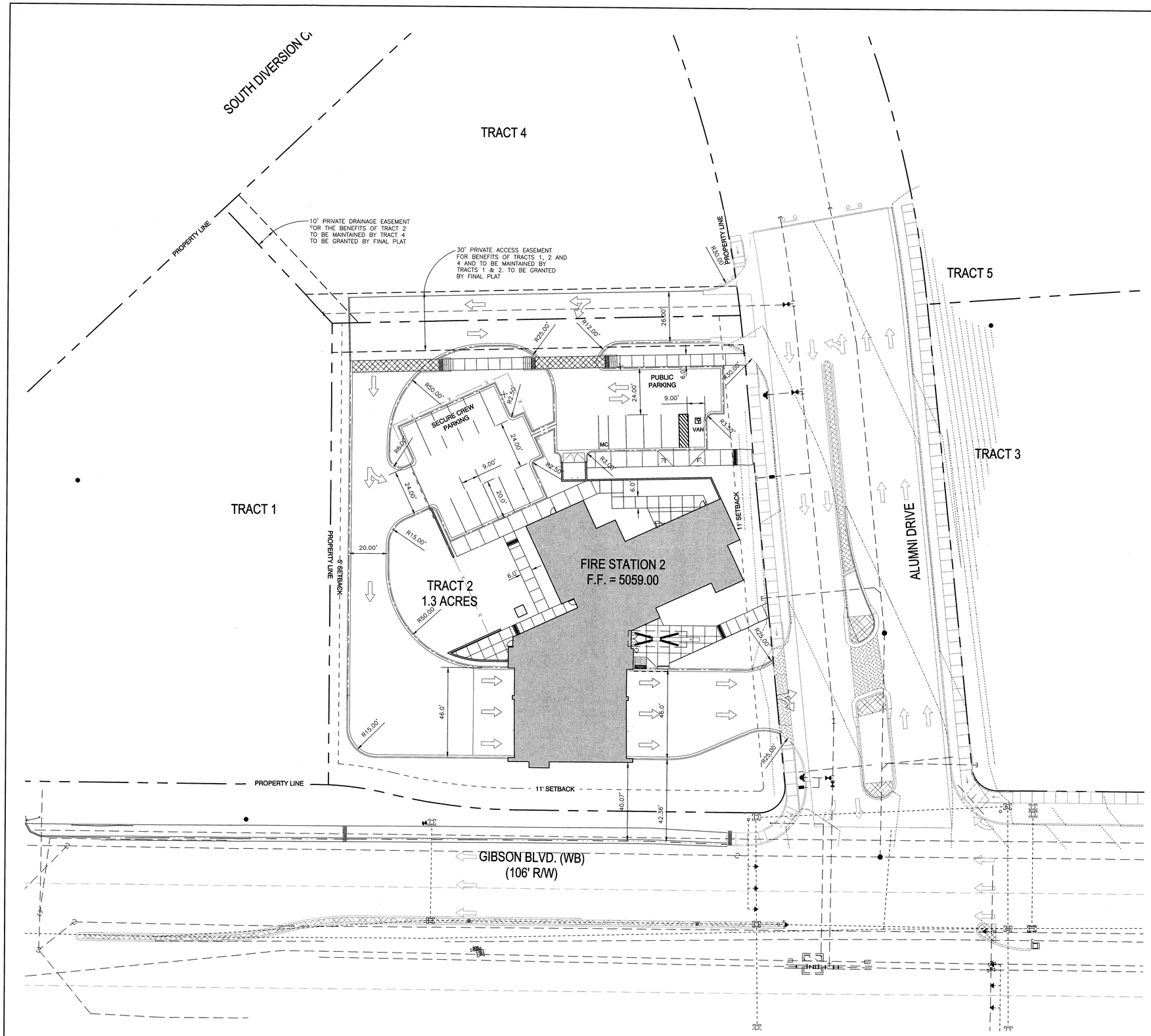
DRAWING TITLE:
PUBLIC ROADWAY PLAN

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

City Project No.	Zone Map No.	DWG.	Sheet	Of
8006.91	K-11	C-103		

RECEIVED NOV 27 2012 LAND DEVELOPMENT SECTION

CDP-103A 1/3/12 1:214.4



LEGEND

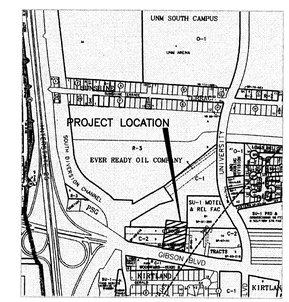
PROPERTY LINE

SETBACK LINE

TRAFFIC FLOW (FOR INFORMATION ONLY)

GENERAL NOTES

1. ALL EXISTING UTILITIES MAY NOT BE SHOWN.
2. ALL DIMENSIONS ARE THE FLOWLINE OF CURB AND GUTTER WHERE APPLICABLE.



ZONE ATLAS MAP L-15

SCALE: N.T.S.

N

0 2' 5' 10' 20' 40'

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

Dekker/Perich/Sabatini
architecture • interiors • landscape • planning • engineering
7601 Jefferson NE, Suite 100
Albuquerque, NM 87109
505 761-9700
fax 761-4222

NO.	DATE	REMARKS	BY
3	11.21.12	AS-BUILTS	

REVISIONS

DESIGN		
DESIGNED BY	CWG	DATE 12.13.11
DRAWN BY	CWG	DATE 12.13.11
CHECKED BY	JMP	DATE 12.13.11

SEAL

JOHN M. PROTINE
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
10908

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

CAP: 1-25-30

DATE	N=1477810.502, E=1524652.518, EL=5041.30

AS BUILT INFORMATION

		DATE
WORK STARTED BY		
WORK COMPLETED BY		
ACCEPTANCE BY		
VERIFICATION BY		DATE
FIELD WORK		DATE
CORRECTION BY		DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

PROJECT TITLE:

FIRE STATION 2
ALBUQUERQUE, NEW MEXICO

DRAWING TITLE:

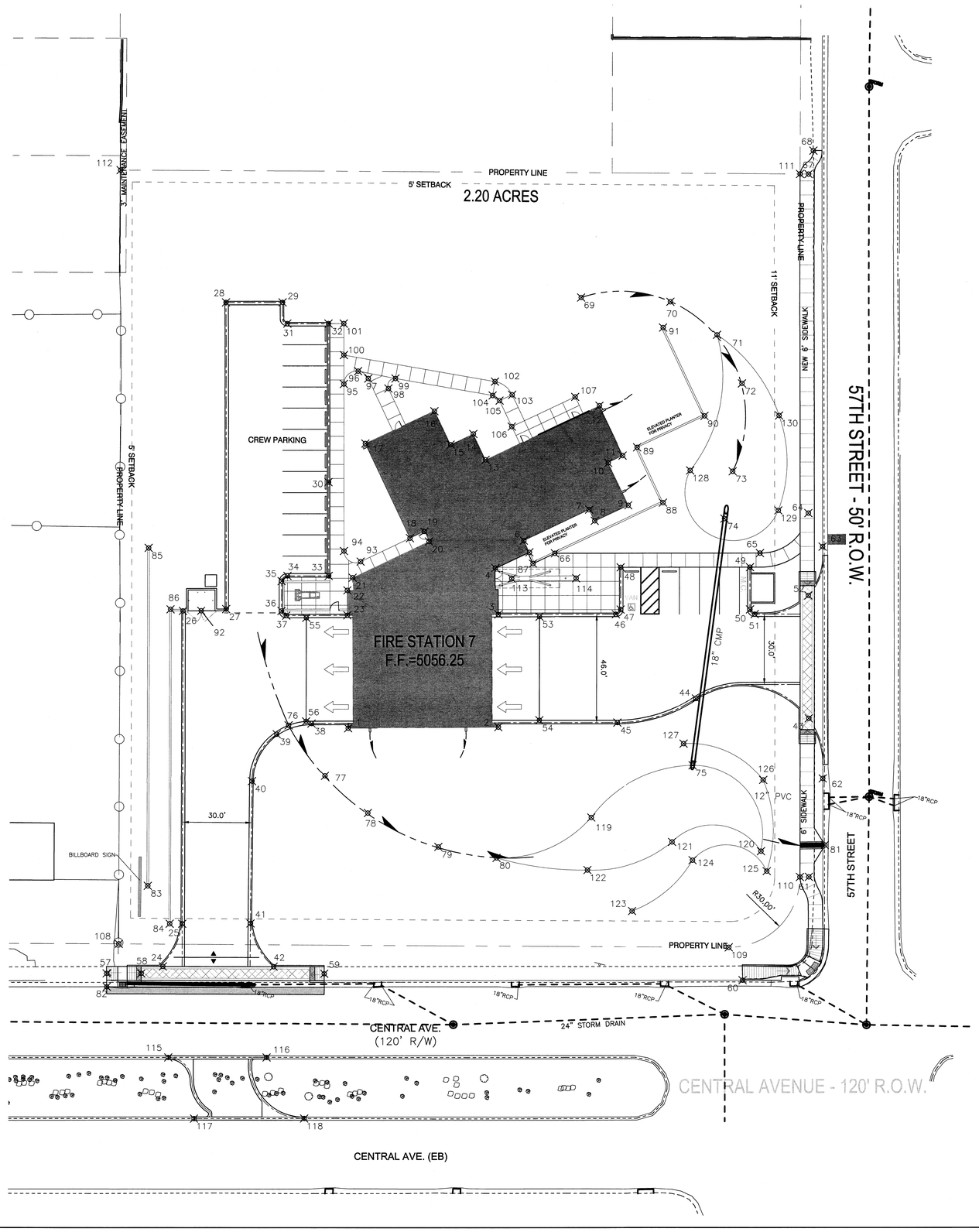
TRAFFIC CIRCULATION PLAN

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

City Project No.	Zone Map No.	DWG.	Sheet	Of
8006.91	L-15-Z	C-103		

MCA JOB # DPS11-111

CDP-103 11/26/12 1:214.4



COORDINATE TABLE

PT #	NORTHING	EASTING	ELEVATION	DESC.	AS-BUILT ELEV.
1	505504.05	485742.39	5056.25	BLDG. COR.	
2	505565.76	485759.36	5056.25	BLDG. COR.	
3	505553.25	485805.70	5056.25	BLDG. COR.	
4	505546.91	485824.48	5056.25	BLDG. COR.	
5	505559.18	485834.68	5056.25	BLDG. COR.	
6	505555.62	485838.88	5056.25	BLDG. COR.	
7	505579.18	485858.86	5056.25	BLDG. COR.	
8	505582.76	485854.90	5056.25	BLDG. COR.	
9	505594.90	485864.97	5056.25	BLDG. COR.	
10	505581.96	485880.23	5056.25	BLDG. COR.	
11	505586.99	485884.78	5056.25	BLDG. COR.	
12	505572.04	485902.76	5056.25	BLDG. COR.	
13	505530.98	485867.94	5056.25	BLDG. COR.	
14	505523.11	485877.22	5056.25	BLDG. COR.	
15	505514.97	485870.32	5056.25	BLDG. COR.	
16	505504.60	485882.29	5056.25	BLDG. COR.	
17	505479.72	485861.42	5056.25	BLDG. COR.	
18	505508.57	485827.39	5056.25	BLDG. COR.	
19	505513.67	485831.72	5056.25	BLDG. COR.	
20	505516.73	485828.11	5056.25	BLDG. COR.	
21	505489.21	485804.78	5056.25	BLDG. COR.	
22	505488.43	485798.99	5056.25	BLDG. COR.	
23	505491.18	485788.75	5056.25	BLDG. COR.	
24	505454.70	485623.85	5064.25	C&G FL	
25	505457.58	485643.47	5063.00	C&G FL	
26	505430.56	485774.53	5056.50	C&G FL	
27	505440.80	485777.98	5056.45	C&G FL	
28	505407.00	485904.15	5056.25	C&G FL	
29	505430.18	485910.37	5056.25	C&G FL	
30	505468.78	485841.46	5056.00	C&G FL	
31	505434.44	485902.19	5055.50	C&G FL	
32	505451.34	485906.72	5055.50	C&G FL	
33	505479.17	485802.88	5055.50	C&G FL	
34	505462.26	485798.35	5055.50	C&G FL	
35	505460.44	485795.57	5055.50	C&G FL	
36	505463.70	485783.31	5056.00	C&G FL	
37	505466.16	485781.90	5055.85	C&G FL	
38	505488.48	485740.28	5056.00	C&G FL	
39	505475.44	485732.08	5055.90	C&G FL	
40	505470.53	485709.91	5057.60	C&G FL	
41	505485.82	485651.19	5061.00	C&G FL	
42	505500.06	485635.94	5062.00	C&G FL	
43	505692.45	485797.08	5048.30	C&G FL	
44	505644.03	485792.88	5051.50	C&G FL	
45	505614.34	485774.36	5054.10	C&G FL	
46	505601.73	485818.75	5054.10	C&G FL	
47	505603.15	485821.20	5054.10	C&G FL	
48	505598.49	485838.59	5054.50	C&G FL	
49	505651.69	485852.84	5051.30	C&G FL	
50	505656.35	485835.46	5051.00	C&G FL	
51	505658.80	485834.04	5051.00	C&G FL	
52	505678.71	485847.63	5050.00	C&G FL	
53	505570.44	485809.33	5055.70	CONC. APRON	
54	505581.86	485766.70	5055.70	CONC. APRON	
55	505474.61	485783.22	5055.90	CONC. APRON	
56	505486.02	485740.59	5055.90	CONC. APRON	
57	505432.03	485614.72	MATCH EXST.	ADA RAMP	
58	505446.20	485618.48	5065.60	ADA RAMP	
59	505521.55	485638.59	MATCH EXST.	ADA RAMP	
60	505694.35	485681.90	MATCH EXST.	BEGIN SDWK	
61	505710.10	485731.76	5048.75	6' SDWK	
62	505704.88	485773.83	MATCH EXST.	ADA RAMP	
63	505679.14	485869.27	MATCH EXST.	ADA RAMP	
64	505669.65	485881.49	5052.80	SIDEWALK	
65	505654.24	485859.74	5051.75	SIDEWALK	
66	505569.85	485837.13	5055.90	SIDEWALK	
67	505632.25	486021.22	MATCH EXST.	6' SDWK	
68	505631.64	486031.41	MATCH EXST.	BEGIN SDWLK	
69	505552.62	485945.29	5055.6	SWALE	
70	505589.87	485953.35	5054.0	SWALE	
71	505612.62	485944.88	5053.0	SWALE	
72	505628.22	485927.61	5052.0	SWALE	
73	505634.06	485890.41	5051.0	SWALE	
74	505635.87	485870.05	5050.0	PIPE INV.	
75	505650.06	485765.02	5048.0	PIPE INV.	
76	505479.31	485737.05	5055.8	CURB CUT	
77	505499.82	485720.12	5055.0	SWALE	
78	505521.67	485709.55	5054.0	SWALE	
79	505554.42	485703.38	5052.0	SWALE	
80	505579.56	485705.27	5050.0	SWALE	
81	505712.92	485746.55	MATCH EXST.	SDWK DRAIN	
82	505433.52	485609.21	MATCH EXST.	CURB INLET	
83	505439.16	485655.27	5067.00	RETAINING WALL	
84	505452.40	485642.11	5063.55	RETAINING WALL	
85	505401.89	485794.58	5067.00	RETAINING WALL	
86	505417.70	485771.73	5061.15	RETAINING WALL	
87	505561.91	485830.46	5055.90	RETAINING WALL	
88	505608.89	485869.88	5055.90	RETAINING WALL	
89	505592.18	485889.80	5055.90	RETAINING WALL	
90	505616.39	485910.13	5055.50	RETAINING WALL	
91	505589.68	485941.96	5055.50	RETAINING WALL	
92	505430.56	485774.53	5056.50	REFUSE ENCL.	
93	505490.76	485812.29	5056.15	SIDEWALK	
94	505482.70	485814.81	5055.90	SIDEWALK	
95	505464.28	485883.55	5056.10	SIDEWALK	
96	505468.77	485890.41	5056.10	SIDEWALK	
97	505473.81	485888.51	5056.10	SIDEWALK	
98	505483.21	485886.63	5056.10	SIDEWALK	
99	505484.99	485891.53	5056.00	SIDEWALK	
100	505461.09	485895.44	5056.00	SIDEWALK	
101	505457.62	485908.40	5056.00	SIDEWALK	
102	505526.28	485901.19	5055.90	SIDEWALK	
103	505534.82	485897.66	5055.95	SIDEWALK	
104	505526.83	485895.21	5056.00	SIDEWALK	
105	505530.23	485893.82	5056.00	SIDEWALK	
106	505538.14	485884.49	5056.10	SIDEWALK	
107	505561.05	485903.74	5056.00	SIDEWALK	
108	505433.70	485628.18	MATCH EXST.	PROP. CORNER	
109	505685.09	485693.97	MATCH EXST.	PROP. CORNER	
110	505706.48	485730.74	MATCH EXST.	PROP. CORNER	
111	505628.81	486020.36	MATCH EXST.	PROP. CORNER	
112	505348.54	485947.01	MATCH EXST.	PROP. CORNER	
113	505554.84	485821.95	5056.00	SEAT WALL	
114	505581.37	485829.21	5055.50	SEAT WALL	
115	505466.63	485586.96	MATCH EXST.	MEDIAN CROSS.	
116	505507.20	485597.84	MATCH EXST.	MEDIAN CROSS.	
117	505484.01	485564.62	MATCH EXST.	MEDIAN CROSS.	
118	505529.28	485576.80	MATCH EXST.	MEDIAN CROSS.	
119	505614.16	485732.34	5049.0	POND BOTTOM	
120	505687.64	485737.10	5048.0	POND BOTTOM	
121	505650.16	485731.14	5048.0	POND BOTTOM	
122	505618.39	485710.27	5049.0	POND BOTTOM	
123	505641.41	485698.29	5054.0	POND TOP	
124	505660.61	485725.90	5052.0	POND TOP	
125	505692.23	485729.52	5050.0	POND TOP	
126	505680.65	485766.68	5050.0	POND TOP	
127	505643.95	485772.94	5050.0	POND TOP	
128	505616.53	485886.11	5053.0	GRADE BREAK	
129	505657.05	485879.32	5053.0	GRADE BREAK	
130	505646.91	485918.45	5053.0	GRADE BREAK	

LEGEND

GRADED FLOWLINE

54 GEOMETRY POINT

GENERAL NOTES

1. ALL ELEVATIONS (DIRT GRADES) SURROUNDING BUILDING SLAB SHALL BE 4 INCHES BELOW FINISHED FLOOR ELEVATION TO ENSURE PROPER DRAINAGE.

2. STORM RUN-OFF CONVEYANCE AND PROPER DRAINAGE SHALL BE THE RESPONSIBILITY OF CONTRACTOR DURING CONSTRUCTION AND WHEN FINISHED. ALL ROOF DRAINS, CULVERTS AND SLOPED AREAS SHALL DRAIN PROPERLY AS SHOWN ON PLAN OR DIRECTED BY ENGINEER.

AS BUILT INFORMATION
CONTRACTOR / WORK STAKED BY / INSPECTOR'S AUTHORIZATION BY / FIELD VERIFICATION BY / DRAWINGS REVIEWED BY / CORRECTIONS IN RED BY — DATE
MICRO-FILM INFORMATION
RECEIVED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

SEAL
JOHN W. PROVINE — NEW MEXICO — 10960 — PROFESSIONAL SURVEYOR — FOR REVIEW ONLY

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY CWG DATE 12.13.11
DRAWN BY CWG DATE 12.13.11
CHECKED BY JMP DATE 12.13.11

N
0 2' 5' 10' 20' 40'

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

Dekker/Perich/Sabatini
architecture • interiors • landscape • planning • engineering
7601 Jefferson NE, Suite 100 Albuquerque, NM 87109
505 761-9700 fax 761-4222

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

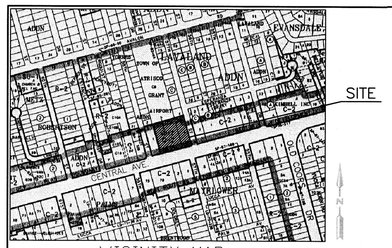
PROJECT TITLE:
FIRE STATION 7
ALBUQUERQUE, NEW MEXICO

DRAWING TITLE:
SITE GEOMETRY PLAN

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

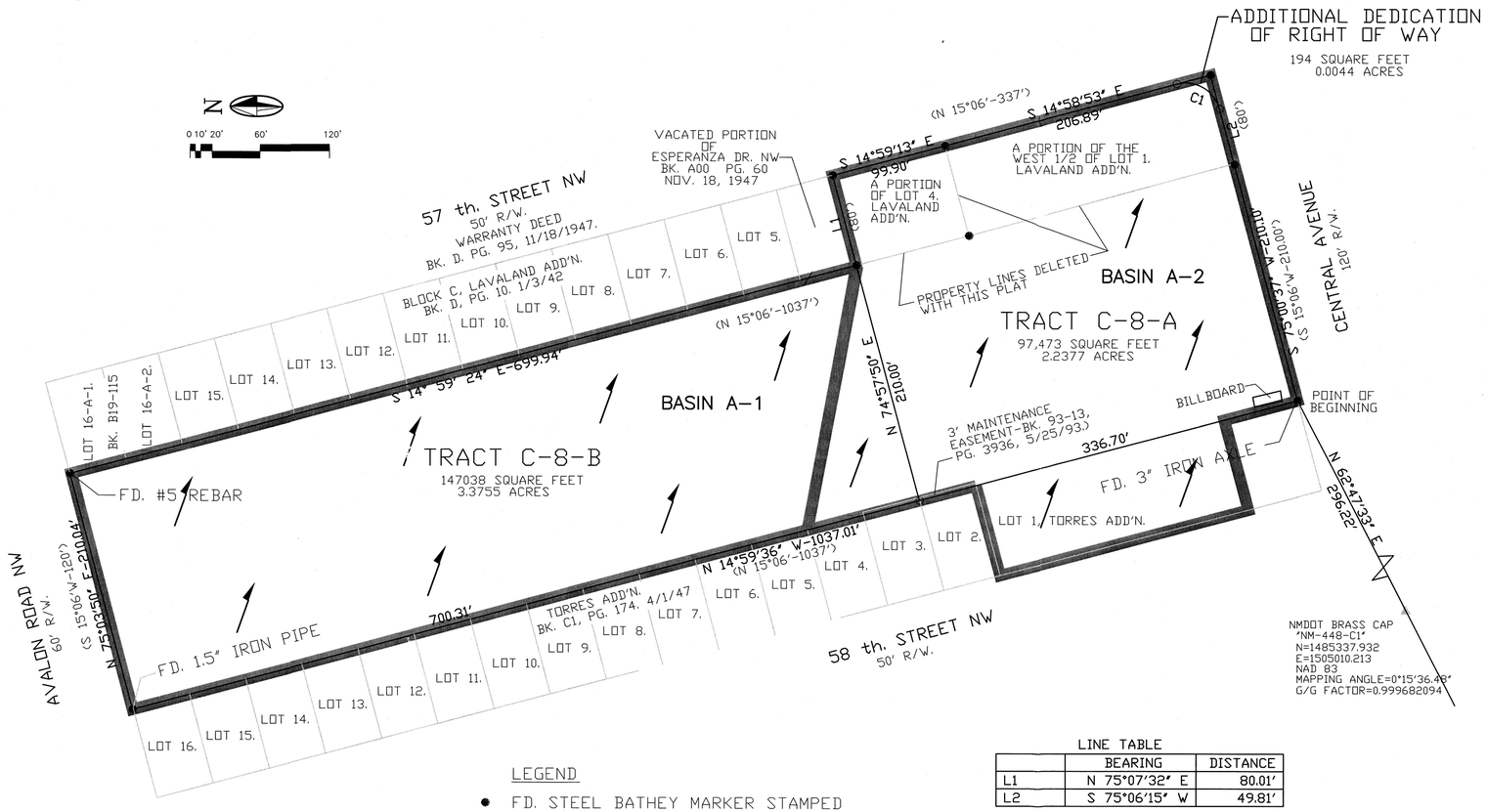
City Project No. 8006.91 | Zone Map No. K-11 | DWG. C-104 | Sheet Of

CDP-104 12/19/11 1:214-4



VICINITY MAP
ZONE ATLAS MAP K-11
N.T.S.

PLAT OF
TRACTS C-8-A & C-8-B
TOWN OF ATRISCO, AIRPORT UNIT
WITHIN
PROJECTED SECTION 23, T10N, R2E, NMPM
TOWN OF ATRISCO GRANT, CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JUNE 2011



LEGEND

- ● FD. STEEL BATHEY MARKER STAMPED " CARTESIAN SURVEYS- LS 14271" OR AS NOTED.
- ○ SET NO. 5 REBAR WITH CAP STAMPED "PS 7924".

LINE TABLE

	BEARING	DISTANCE
L1	N 75°07'32" E	80.01'
L2	S 75°06'15" W	49.81'

CURVE TABLE

	ARC	DELTA	RADIUS	TANGENT	CH. BRG.	CH. DIST.
C1	47.17	90°05'08"	30.00'	30.04'	S30°03'41"W	42.46'

LEGEND

BASIN BOUNDARY

BASIN A-1 — BASIN DESIGNATOR

DIRECTION OF FLOW

CITY OF ALBUQUERQUE FIRE STATION NO. 7

DRAINAGE ANALYSIS

INTRODUCTION

PURPOSE AND SITE LOCATION

Fire Station No. 7 will be located at the NW corner of Central Ave and 57th St on a 2.24 acre site of predominately undeveloped property. The City of Albuquerque owns the development property.

The existing stormwater discharge flows across the property generally from NW to SE. Off-site flows are generally from the north to the south. Flows from the property enter into 57th St. or Central Ave. and eventually into a 24-inch storm drain located within the westbound lanes of Central Ave.

CRITERIA

The proposed grading and drainage for the development of this site are based on the criteria in the City of Albuquerque Development Process Manual (DPM) Chapter 22. Flow calculations are based on the 100-yr, 6-hr design storm. The area of study was divided into two basins; Basin A-1 is a 3.32-ac off-site basin located to the north of the proposed site and Basin A-2 is the 2.24-acre Fire Station No. 7 site.

The off-site and on-site flows will be collected through grading and culverts and routed through a pond. The initial 0.44-in rainfall on the property will be retained in the pond at the request of the City of Albuquerque for storm water treatment purposes. Discharge from the pond will be into the 15-inch storm drain in 57th St which discharges into the 24-inch storm drain in Central Ave.

EXISTING CONDITIONS

The 2.24 acre Fire Station No. 7 site and the 3.32-acre contributing adjacent basin are primarily undeveloped. Basins adjacent to these two basins are fully developed and discharge to adjacent roadways and do not flow through the proposed development. The existing drainage flow for the subject basins travel from north and northwest to south and southeast to 57th St and Central Ave. The discharge from the site enters into the COA operated and maintained storm drainage system in Central Ave.

DEVELOPED CONDITIONS

Off-site flows are maintained with the undeveloped existing conditions in this analysis. The on-site flows have been calculated with fully developed conditions from the proposed site plan. The drainage pond proposed for the southeast quadrant of the site has been sized to retain approximately 0.44-in of the initial storm flows. A 12-inch storm drain connected to the existing 15-inch storm drain in 57th St is used for the pond discharge. The initial 0.44-inch volume will be retained and filtered through a gravel pond bottom as a treatment method.

EXISTING CONDITIONS							
DESCRIPTION		LAND TREATMENT				FLOW (cfs)	VOL (ac ft)
Basin	Areas (ac)	A	B	C	D	Q 100-6	V 100-6
A-1	3.32	0	0	100	0	9.63	.275
A-2	2.24	0	0	100	0	6.30	.180

DEVELOPED CONDITIONS							
DESCRIPTION		LAND TREATMENT				FLOW (cfs)	VOL (ac ft)
Basin	Areas (ac)	A	B	C	D	Q 100-6	V 100-6
A-1	3.32	0	0	100	0	9.63	.275
A-2	2.24	0	0	60	40	7.56	.251

AS BUILT INFORMATION
CONTRACTOR WORK STAKED BY DATE
INSPECTOR ACCEPTANCE BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
PROVINCE OF NEW MEXICO
JOHN M. WEAVER
10997
REGISTERED PROFESSIONAL ENGINEER
11/15/11

NO.	DATE	REMARKS	BY
1	6.26.11	DRB SUBMITTAL	M-C

REVISIONS

		DATE
DESIGNED BY	CWG	11.15.11
DRAWN BY	CWG	11.15.11
CHECKED BY	JMP	11.15.11

MOLZENCORBIN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

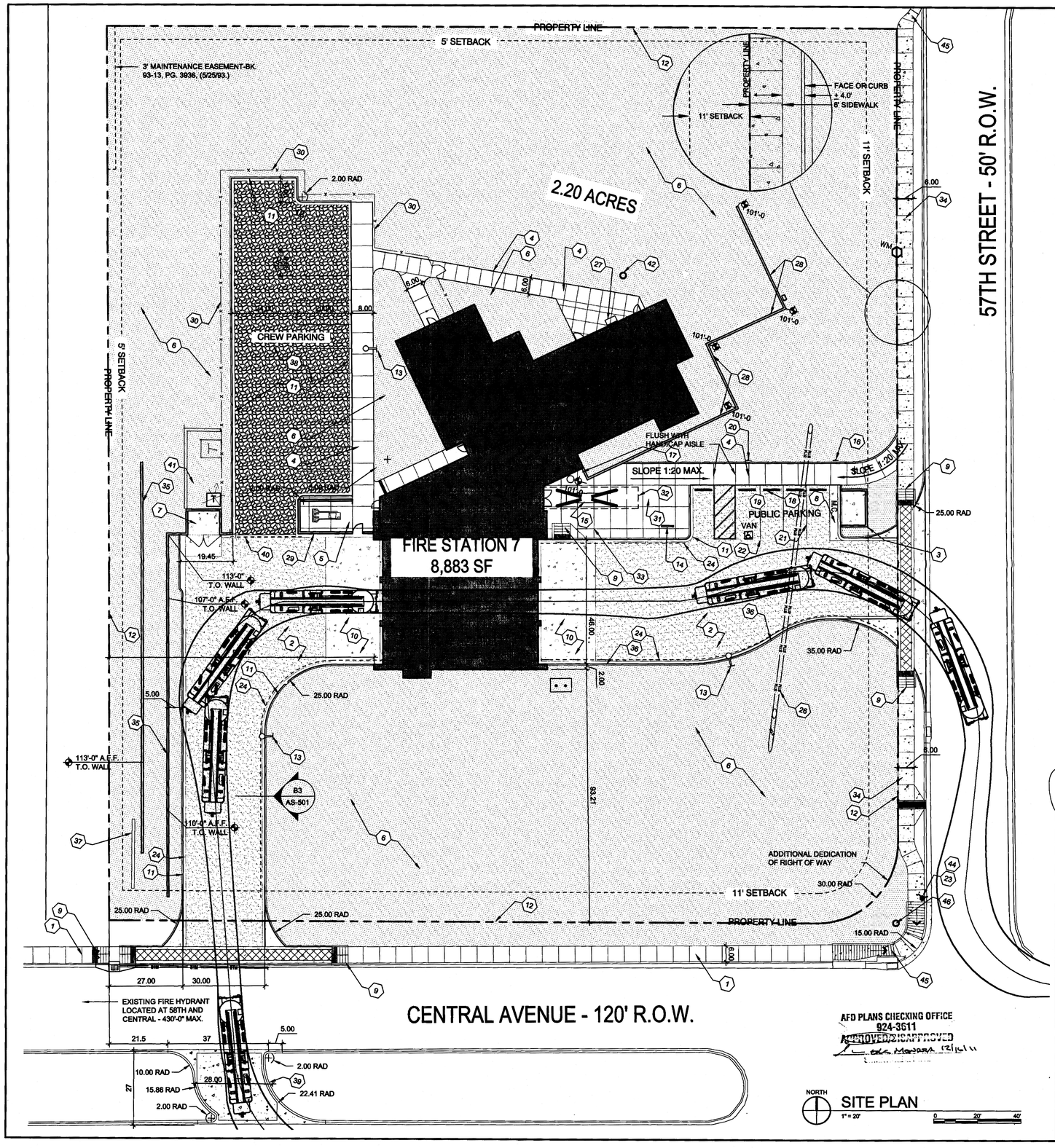
TITLE:

FIRE STATION 7
ALBUQUERQUE, NEW MEXICO
GRADING AND DRAINAGE

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

City Project No.	Zone Map No.	DWG.	Sheet	Of
8006.91	K-11	C-101A	6	13

CDP-101A 12/5/11 1:1



GENERAL NOTES

A. PARKING AREA SHALL BE DESIGNED & BUILT TO CURRENT DPM STANDARDS AND COA ZONING CODE
B. SEE CIVIL PLANS FOR ADDITIONAL GRADING, DRAINAGE AND UTILITY INFORMATION.
C. SIGNS: SEE BUILDING ELEVATIONS FOR DESCRIPTION OF SIGNAGE ON BUILDING.
D. DIMENSIONS ARE TO FACE OF CURB, OR WALL OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
E. PEDESTRIAN ACCESS RAMPS WITHIN THE PUBLIC ROW WILL BE CONSTRUCTED PER COA STD DWG. #2426
F. ALL CURBS TO BE DESIGNED AND BUILT ACCORDING TO THE COA STANDARDS. CURBS WILL ALSO BE DESIGNED TO ALLOW WATER HARVESTING IN LANDSCAPE MEDIANS WHERE POSSIBLE TO REDUCE SURFACE RUN-OFF AND SUPPLEMENT IRRIGATION.
G. ALL FIXTURES AND DESIGN SHALL COMPLY WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT AND THE COA ZONING CODE, SECTION 14-16-3-9 AREA LIGHTING REGULATIONS
H. LIGHTING WITHIN THE PUBLIC RIGHT-OF WAY SHALL BE SUBJECT TO THE STANDARDS AND REVIEW OF PNM. UNLESS MAINTENANCE FOR RIGHT-OR-WAY LIGHTING IS THE FULL RESPONSIBILITY OF OTHER PARTIES
J. LIGHTING DESIGN FOR PARKING AREAS SHALL BE LIGHTED TO PROVIDE FUNCTIONAL, ATTRACTIVE, AND UNIFIED LIGHTING THROUGHOUT THE LOT AND BE EXTINGUISHED ONE HOUR AFTER THE CLOSE OF BUSINESS, EXCEPT AS NEEDED TO PROVIDE FOR MINIMUM SECURITY LEVELS.

LEGEND

- LIGHT POLE
- FIRE HYDRANT
- PROPERTY LINE
- SETBACK
- LANDSCAPE AREA - 54,291 S.F.
- CONCRETE PAVING AREA - 16,330 S.F.
- ASPHALT PAVING AREA - 5,226 S.F.
- CONCRETE CIRCULATION WALKWAYS - 4,547 S.F.

PROJECT NUMBER: 1008787

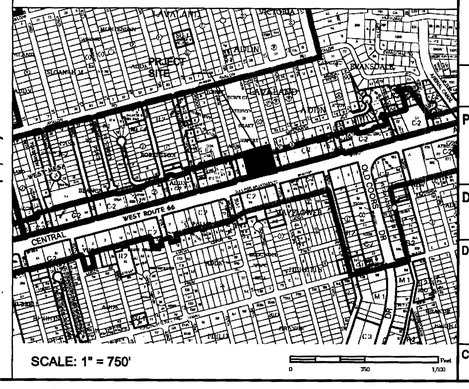
APPLICATION NUMBER: EPC Site Development Plan-Building Permit

Is an Infrastructure List Required? (x) Yes ( ) No If yes, then a set of approved DRC plans with a work order is required for any construction within Public Right-of-Way or for construction of public improvements.

DRB SITE DEVELOPMENT PLAN APPROVAL:

TRAFFIC ENGINEER, TRANSPORTATION DIVISION	DATE 12-21-11
UTILITIES DIVISION	DATE 12/21/11
PARKS AND RECREATION DEPARTMENT	DATE 12-21-11
CITY ENGINEER	DATE 12-21-11
SOLID WASTE MANAGEMENT	DATE 681-2766 12/16/11
DRB CHAIRPERSON, PLANNING DEPARTMENT	DATE 12-21-11

VICINITY MAP



SCALE: 1" = 750'

SITE INFORMATION

LEGAL DESCRIPTION
A PORTION OF THE WEST 1/2 OF LOT 1 AND A PORTION OF LOT 4, BLOCK C, LAVALAND ADDITION; AND A PORTION OF TRACT C-8, TOWN OF ATRISCO GRANT AIRPORT UNIT.

GROSS BUILDING AREA (GBA):
BUILDING (1 STORY) = 10,775 SF

TOTAL SITE AREA: 90,655 SF = 2.08 ACRES
GROSS F.A.R. (GBA/SITE AREA) = 0.12

SHEET KEYED NOTES

1. EXISTING CONCRETE SIDEWALK
2. ASPHALT PAVING
3. CMU SAND ENCLOSURE
4. CONCRETE WALK WITH CONTROL JOINTS
5. CONCRETE PAVED SERVICE YARD / CMU SCREEN WALL 7'-0" H.
6. LANDSCAPE AREA, TYP
7. TRASH ENCLOSURE CMU WALL W/CORRUGATED METAL PANEL GATES, RE: A2/AS-501
8. MOTORCYCLE PARKING
9. HANDICAP RAMP, RE: C1/AS-501
10. 20'-0" HEAVY DUTY CONCRETE PAVING
11. STANDARD CURB AND GUTTER. SEE COA STD. DWG. #2415B
12. PROPERTY LINE
13. SITE LIGHTING. POLE LIGHTS @ 16'-0" HIGH MAX.
14. BIKE RACK. RE: D4/AS-501
15. 18" HIGH CONCRETE SEAT WALL
16. "MOTORCYCLE PARKING ONLY" SIGN / RE: C3/AS-501
17. LITTER RECEPTACLE
18. CONCRETE BUMPER STOP
19. VAN ACCESSIBLE PARKING
20. VAN ACCESSIBLE SIGNAGE / RE: C3/AS-501
21. 4" WIDE PAINTED (SAFETY WHITE) STRIPING, TYP.
22. PAINTED A.D.A. PAVEMENT SIGNAGE
23. EXISTING FIRE HYDRANT
24. CURB PAINTED RED W/ SAFETY WHITE LETTERING "FIRE LANE - NO PARKING" @ 12'-0" O.C. DASHED LINE INDICATES EXTENT.
25. NOT USED
26. STORM DRAIN RE: CIVIL
27. BBQ GRILLE. N.I.C.
28. RETAINING WALL / CMU
29. SECURE FIREFIGHTER PARKING. 7' HIGH CMU SECURITY WALL
30. 8'-0" HIGH COMMERCIAL WELDED WIRE ARCHITECTURAL SECURITY FENCE W/ 3'-0" PERSONNEL DOOR
31. FLAG POLE
32. DASHED LINED REPRESENTS ENTRY CANOPY ABOVE
33. CONCRETE PUBLIC PATIO
34. NEW 6'-0" WIDE CONCRETE SIDEWALK, PER COA 2 430
35. CMU RETAINING WALL
36. CURB CUT FOR WATER HARVESTING
37. BILLBOARD SIGN TO REMAIN
38. ~~BASECOURSE PAVING~~ ASPHALT PAVING
39. ROLL OVER CURB
40. MANUAL ROLLING SECURITY GATE / PAD LOCK
41. ELECTRICAL TRANSFORMER, RE: ELECTRICAL
42. EXISTING POLE TO BE REMOVED BY OTHERS
43. 6'-0" WIDE CONCRETE SIDE WALK WITH SCORED PATTERN. RE: A1/AS-501.
44. SIDEWALK AROUND OBSTACLE. RE: COA STANDARD DETAIL NO.2431
45. SIDEWALK TRANSITION. RE: COA STANDARD DETAIL NO.2432
46. EXISTING UTILITY POLE

PARKING INFORMATION

1. PARKING REQUIREMENTS FOR FIRE HOUSE:
OCCUPANT LOAD FOR PUBLIC MEETING SPACE
1 SPACE FOR EACH 4 SEATS
PUBLIC ASSEMBLY SPACE PER COA ZONING CODE
20 SEATS = 5 PARKING SPACES
CREW PARKING SPACES = 12 (1 PER CREW MEMBER)

TOTAL PARKING REQUIRED = 17 PARKING SPACES
PROVIDED: 17 PARKING SPACES

2. HANDICAP PARKING STALLS REQUIRED:
1-25 STALLS: 1 HC STALL REQUIRED
(1 VAN ACCESSIBLE)

PROVIDED: 1 HC STALL, VAN ACCESSIBLE

3. BICYCLE PARKING REQUIRED: (1:20 AUTOS)
TOTAL : 2 SPACES

PROVIDED:3 SPACES

4. MOTORCYCLE PARKING REQUIRED:
1-25 PARKING STALLS: 1 MOTORCYCLE SPACE REQUIRED
TOTAL: 1 SPACE
PROVIDED: 1 SPACE

Dekker/Perich/Sabatini
architecture • interiors • landscape • planning • engineering
7601 Jefferson NE, Suite 100
Albuquerque, NM 87109
505 761-9700
fax 761-4222

NO.	DATE	REMARKS	BY
1	06.28.11	DRB SUBMITTAL	DPS

REVISIONS

DESIGN

DESIGNED BY	SHL, BPG	DATE 12.16.2011
DRAWN BY	ERW, BPG	DATE 12.16.2011
CHECKED BY	SHL	DATE 12.16.2011

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

BENCH MARKS

	CONTRACTOR	DATE
	WORK STAKED BY	
	SURVEYING ACCEPTANCE BY	
	FIELD INSPECTION BY	
	DRAWINGS CORRECTED BY	
	MICRO-FILM INFORMATION RECORDED BY	
	NO.	

AS BUILT INFORMATION

SEAL

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

PROJECT TITLE:
FIRE STATION 7
ALBUQUERQUE, NEW MEXICO

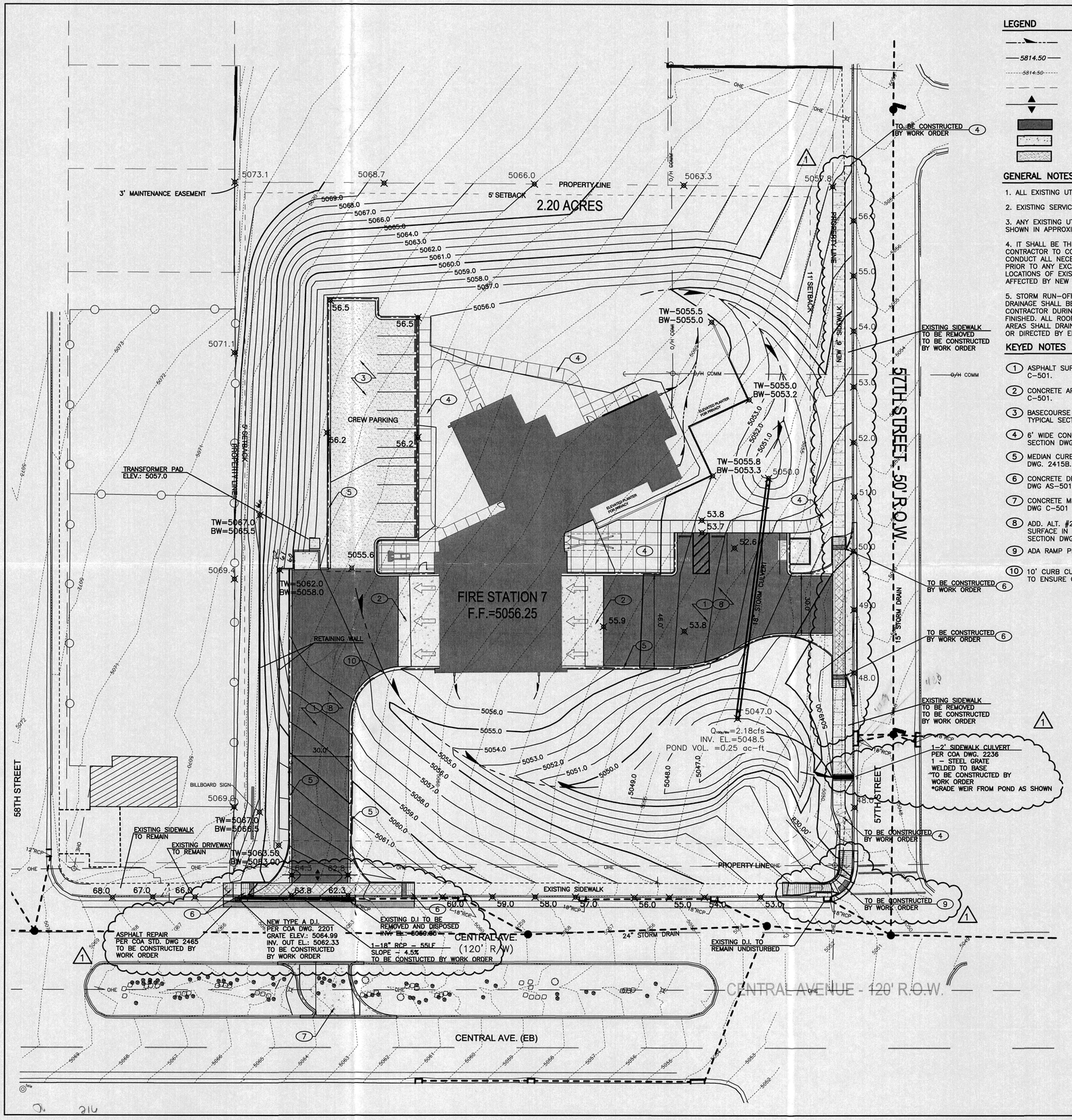
DRAWING TITLE:
SITE PLAN

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

City Project No.	Zone Map No.	DWG.	Sheet	Of
8006.00	K-11-Z	AS-101	13	13

MCA JOB # HERE

11-0016-7-AS-101 (RS'2)8'5x61 - 12-15-2011\40441791



LEGEND

- GRADED FLOWLINE
- 5814.50 — NEW TOPOGRAPHIC CONTOUR
- 5814.50 — EXISTING TOPOGRAPHIC CONTOUR
- MISC. PROPERTY LINE
- GRADE BREAK (RIDGE)
- NEW ASPHALT
- CONCRETE PAVEMENT
- BASECOURSE PAVEMENT

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KEYED NOTES

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2. CONCRETE APRON. SEE TYPICAL SECTION DWG C-501.
3. BASECOURSE PAVEMENT PARKING AREA. SEE TYPICAL SECTION DWG C-501.
4. 6' WIDE CONCRETE SIDEWALK. SEE TYPICAL SECTION DWG C-501.
5. MEDIAN CURB AND GUTTER. PER COA STD. DWG. 2415B.
6. CONCRETE DRIVEWAY AND RAMPS. SEE DETAIL DWG AS-501
7. CONCRETE MEDIAN CROSSOVER. SEE DETAILS DWG C-501
8. ADD. ALT. #2 - CONCRETE PAVEMENT SURFACE IN LIEU OF ASPHALT. SEE TYPICAL SECTION DWG C-501
9. ADA RAMP PER COA STD. DWG. 2441
10. 10' CURB CUT TO ALLOW DRAINAGE IN TO POND. CONTRACTOR TO ENSURE CENTER OF CURB IS THE LOW POINT.

HYDROLOGY ANALYSIS

CITY OF ALBUQUERQUE FIRE STATION NO. 7

DRAINAGE ANALYSIS

INTRODUCTION

PURPOSE AND SITE LOCATION

Fire Station No. 7 will be located at the NW corner of Central Ave and 57th St on a 2.24 acre site of predominately undeveloped property. The City of Albuquerque owns the development property.

The existing stormwater discharge flows across the property generally from NW to SE. Off-site flows are generally from the north to the south. Flows from the property enter into 57th St. or Central Ave. and eventually into a 24-inch storm drain located within the westbound lanes of Central Ave.

CRITERIA

The proposed grading and drainage for the development of this site are based on the criteria in the City of Albuquerque Development Process Manual (DPM) Chapter 22. Flow calculations are based on the 100-yr, 6-hr design storm. The area of study was divided into one basin; Basin A-2 is the 2.24-acre Fire Station No. 7 site.

The off-site and on-site flows will be collected through grading and culverts and routed through to a pond. The water collected in the pond will then be discharged over a weir and through a sidewalk culvert into the street where it will be collected by existing curb inlets located on 57th Street.

EXISTING CONDITIONS

The 2.24 acre Fire Station No. 7 site is primarily undeveloped. Basins adjacent to these two basins are fully developed and discharge to adjacent roadways and do not flow through the proposed development. The existing drainage flow for the subject basins travel from north and northwest to south and southeast to 57th St and Central Ave. The discharge from the site enters into the COA operated and maintained storm drainage system in Central Ave.

DEVELOPED CONDITIONS

Off-site flows are maintained with the undeveloped existing conditions in this analysis. The on-site flows have been calculated with fully developed conditions from the proposed site plan. The drainage pond proposed for the southeast quadrant of the site has been sized to retain 100% of the flows on the on the site. The pond will then utilize a weir discharge, calculated to be 2.18cfs, through a sidewalk culvert discharging to 57th Street where existing curb inlets will catch the flow.

EXISTING CONDITIONS							
DESCRIPTION		LAND TREATMENT				FLOW (cfs)	VOL (ac ft)
Basin	Areas (ac)	A	B	C	D	Q 100-6	V 100-6
A-2	2.24	0	0	100	0	6.30	.180

DEVELOPED CONDITIONS							
DESCRIPTION		LAND TREATMENT				FLOW (cfs)	VOL (ac ft)
Basin	Areas (ac)	A	B	C	D	Q 100-6	V 100-6
A-2	2.24	0	0	60	40	7.56	.251

RECEIVED JAN 10 2012 HYDROLOGY SECTION

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTED BY
ACCEPTANCE BY DATE
VERIFICATION BY
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
CAP: NM_448_C1
N=485492.273, E=505810.213, EL=5076.70
CAP: 5_K10
N=484902.150, E=502747.375

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

SEAL
STATE OF NEW MEXICO JOHN M. PROVINE 10889 PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	01.06.12	ADDENDUM NO. 1	M-C

REVISIONS

DESIGN	
DESIGNED BY	CWG DATE 12.26.11
DRAWN BY	CWG DATE 12.26.11
CHECKED BY	JMP DATE 12.26.11

Dekker/Perich/Sabatini
architecture • interiors • landscape • planning • engineering
7601 Jefferson NE, Suite 100 Albuquerque, NM 87109
505 761-9700 fax 761-4222

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

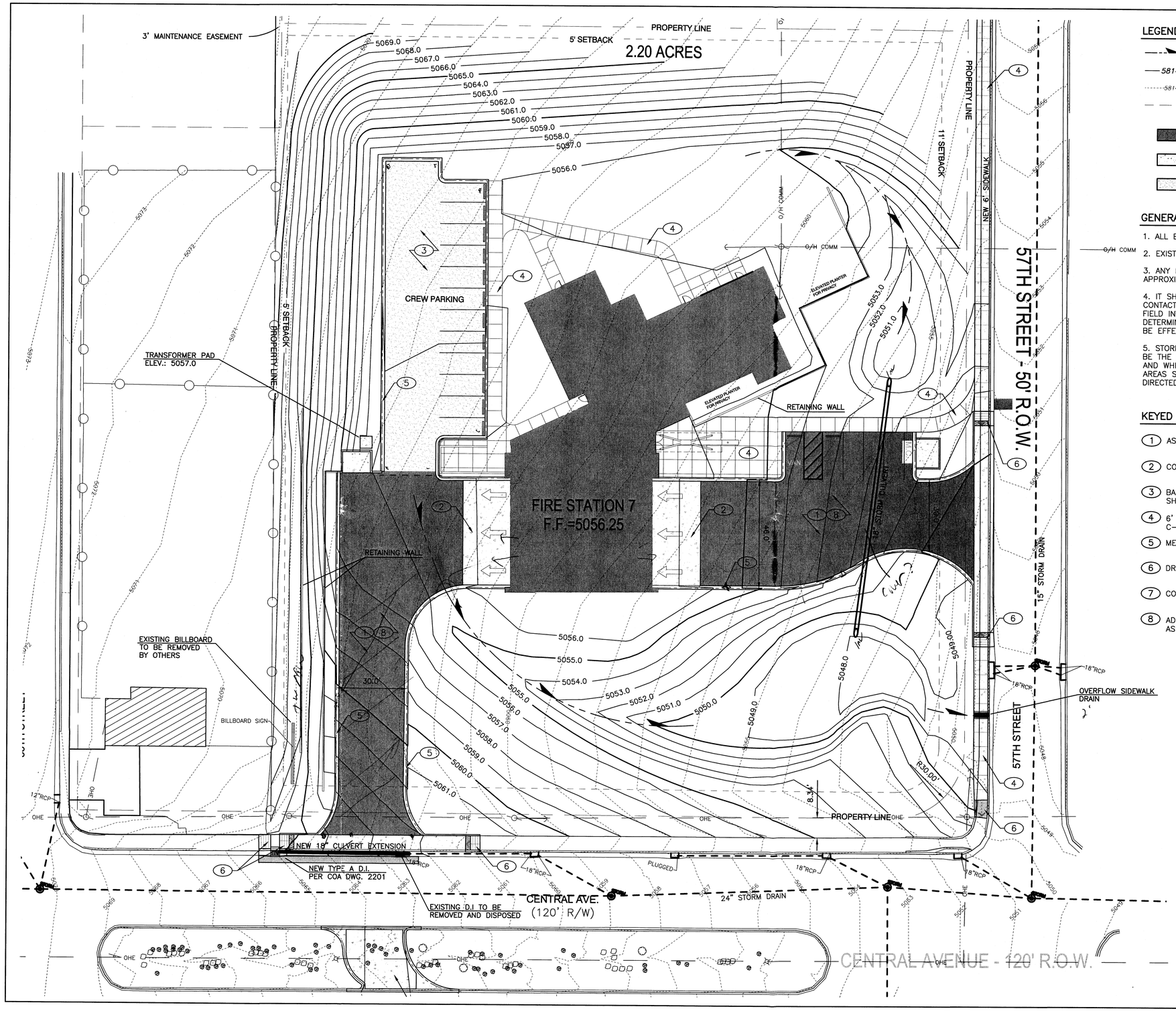
PROJECT TITLE:
FIRE STATION 7
ALBUQUERQUE, NEW MEXICO

DRAWING TITLE:
GRADING AND DRAINAGE

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

City Project No.	Zone Map No.	DWG.	Sheet	Of
8006.91	K-11	C-101		

CDP-101 1/10/12 1:214.4



LEGEND

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- 5814.50 — NEW TOPOGRAPHIC CONTOUR
- 5814.50 — EXISTING TOPOGRAPHIC CONTOUR
- MISC. PROPERTY LINE
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KEYED NOTED

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2. CONCRETE APRON. SEE TYPICAL SECTION SHEET C-501.
3. BASECOURSE PAVEMENT PARKING AREA. SEE TYPICAL SECTION SHEET C-501.
4. 6' WIDE CONCRETE SIDEWALK. SEE TYPICAL SECTION SHEET C-501.
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6. DRIVEWAY AND ADA RAMPS. SEE DETAIL SHEET AS-501
7. CONCRETE MEDIAN CROSSOVER. SEE DETAILS SHEET C-501
8. ADD. ALT. #2 – CONCRETE PAVEMENT SURFACE IN LIEU OF ASPHALT. SEE TYPICAL SECTION SHEET C-501

N

0 2' 5' 10' 20' 40'

MOLZENCORBIN

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN M. PROVINE
NEW MEXICO
10087
REGISTERED PROFESSIONAL ENGINEER
11/4/11

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY CWG DATE 11.1.11
DRAWN BY CWG DATE 11.1.11
CHECKED BY JMP DATE 11.1.11

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

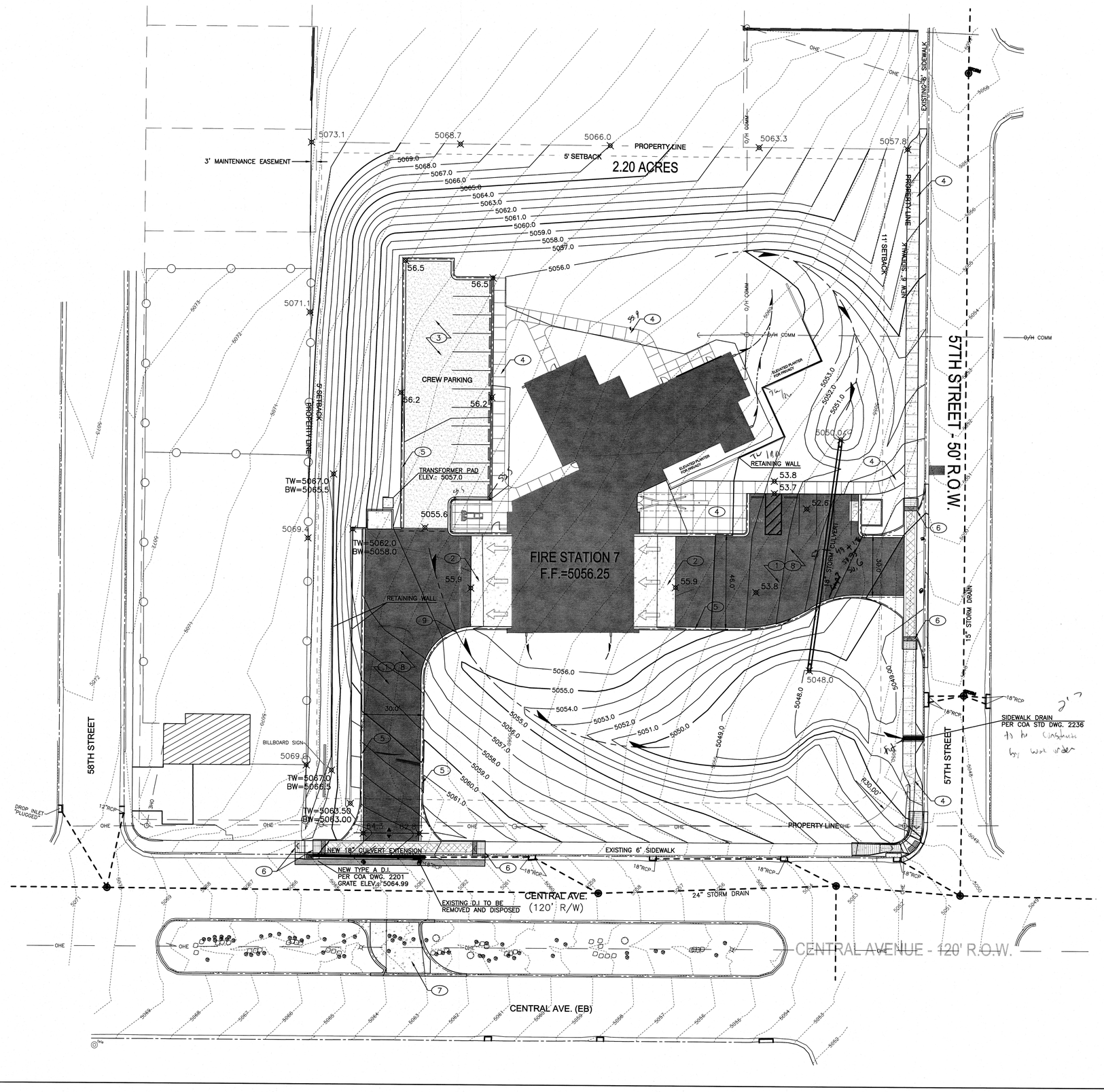
FIRE STATION 7
ALBUQUERQUE, NEW MEXICO

GRADING AND DRAINAGE

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

City Project No.	Zone Map No.	DWG.	Sheet	Of
8006.91	K-11	C-101B	7	13

CDP-101B 12/5/11 1:1



LEGEND

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5. MEDIAN CURB AND GUTTER. PER COA STD. DWG. 2415B.
6. ~~DRIVEWAY~~ AND ADA RAMPS. SEE DETAIL SHEET AS-501 work order
7. ~~CONCRETE MEDIAN CROSSOVER~~. SEE DETAILS SHEET C-501 work order
8. ADD. ALT. #2 – CONCRETE PAVEMENT SURFACE IN LIEU OF ASPHALT. SEE TYPICAL SECTION SHEET C-501
9. 10' CURB CUT TO ALLOW DRAINAGE IN TO POND. CONTRACTOR TO ENSURE CENTER OF CURB IS THE LOW POINT.

Flow line drain calcs
negative
Show wall colum width
1.8 cfs/lin ft
as-built
by work order

N

0 2' 5' 10' 20' 40'

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

Dekker/Perich/Sabatini
architecture • interiors • landscape • planning • engineering
7601 Jefferson NE, Suite 100
Albuquerque, NM 87109
505 761-9700
fax 761-4222

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

PROJECT TITLE:
FIRE STATION 7
ALBUQUERQUE, NEW MEXICO

DRAWING TITLE:
GRADING & DRAINAGE PLAN

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

City Project No.	Zone Map No.	DWG.	Sheet	Of
8006.91	K-11	C-101		

RECEIVED
DEC 19 2011
HYDROLOGY SECTION

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTOR DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

SEAL
JOHN M. PROVINE
10980
NEW MEXICO
PROFESSIONAL SURVEYOR
12/13/11

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		
DESIGNED BY CWG	DATE 12.13.11	
DRAWN BY CWG	DATE 12.13.11	
CHECKED BY JMP	DATE 12.13.11	

C2P-101 12/19/11 1:214.4

DRAINAGE CERTIFICATION

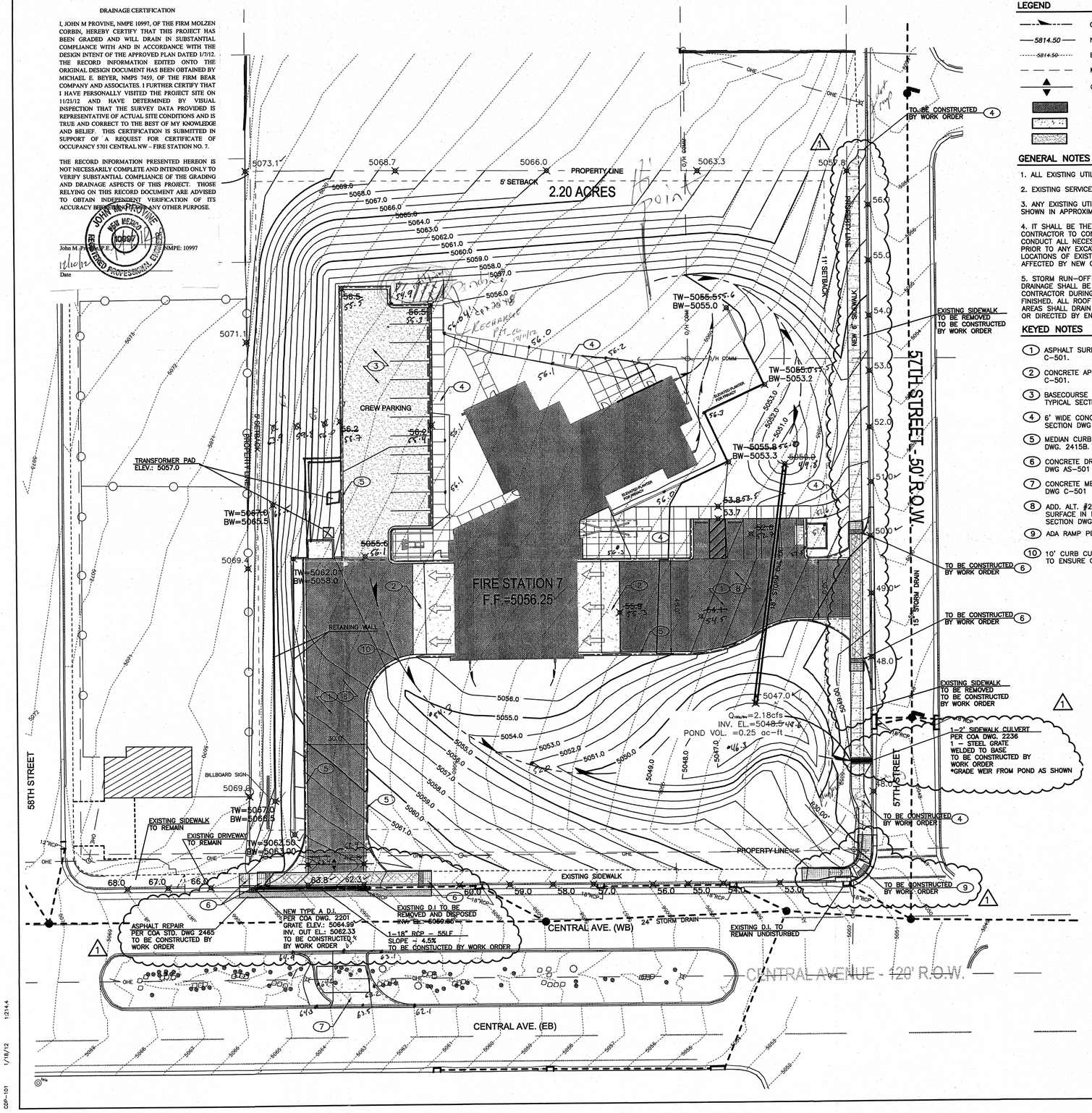
I, JOHN M PROVINE, NMPE 10997, OF THE FIRM MOLZEN CORBIN, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 1/7/12. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY MICHAEL E. BEYER, NMPS 7459, OF THE FIRM BEAR COMPANY AND ASSOCIATES. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 11/21/12 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY 5701 CENTRAL NW – FIRE STATION NO. 7.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

JOHN M. PROVINE NEW MEXICO 10997 REGISTERED PROFESSIONAL ENGINEER

John M. Provine, P.E. NMPE: 10997

12/10/12
Date



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HYDROLOGY ANALYSIS

CITY OF ALBUQUERQUE FIRE STATION NO. 7

DRAINAGE ANALYSIS

5701 Central Ave NW

INTRODUCTION

PURPOSE AND SITE LOCATION

Fire Station No. 7 will be located at the NW corner of Central Ave and 57th St on a 2.24 acre site of predominately undeveloped property. The City of Albuquerque owns the development property.

The existing stormwater discharge flows across the property generally from NW to SE. Off-site flows are generally from the north to the south. Flows from the property enter into 57th St. or Central Ave. and eventually into a 24-inch storm drain located within the westbound lanes of Central Ave.

CRITERIA

The proposed grading and drainage for the development of this site are based on the criteria in the City of Albuquerque Development Process Manual (DPM) Chapter 22. Flow calculations are based on the 100-yr, 6-hr design storm. The area of study was divided into one basin; Basin A-2 is the 2.24-acre Fire Station No. 7 site.

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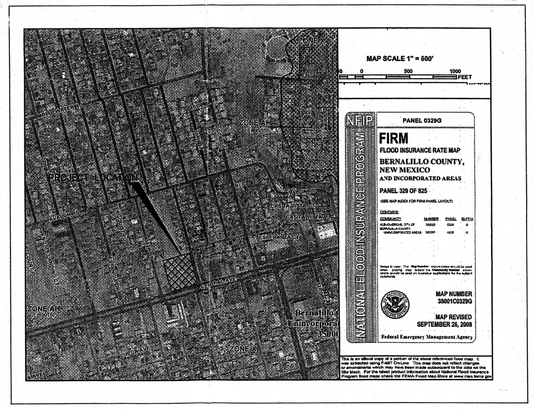
The 2.24 acre Fire Station No. 7 site is primarily undeveloped. Basins adjacent to these two basins are fully developed and discharge to adjacent roadways and do not flow through the proposed development. The existing drainage flow for the subject basins travel from north and northwest to south and southeast to 57th St and Central Ave. The discharge from the site enters into the COA operated and maintained storm drainage system in Central Ave.

DEVELOPED CONDITIONS

Off-site flows are maintained with the undeveloped existing conditions in this analysis. The on-site flows have been calculated with fully developed conditions from the proposed site plan. The drainage pond proposed for the southeast quadrant of the site has been sized to retain 100% of the flows on the on the site. The pond will then utilize a weir discharge, calculated to be 2.18cfs, through a sidewalk culvert discharging to 57th Street where existing curb inlets will catch the flow.

EXISTING CONDITIONS							
DESCRIPTION		LAND TREATMENT				FLOW (cfs)	VOL (ac ft)
Basin	Areas (ac)	A	B	C	D	Q 100-6	V 100-6
A-2	2.24	0	0	100	0	6.30	.180

DEVELOPED CONDITIONS							
DESCRIPTION		LAND TREATMENT				FLOW (cfs)	VOL (ac ft)
Basin	Areas (ac)	A	B	C	D	Q 100-6	V 100-6
A-2	2.24	0	0	60	40	7.56	.251



AS BUILT INFORMATION

CONTRACTOR / WORK BY / DATE
INSPECTOR / DATE
FIELD ENGINEER BY / DATE
DRAWINGS BY / DATE
MICRO-FILM INFORMATION
RECORDED BY / DATE
NO.

BENCH MARKS

NEW MEXICO STATE PLANE COORDINATES

NAD 83 – NAVD 88, CENTRAL ZONE

CAP: NM_448_C1
N=1485337.932, E=1550010.213, EL=5076.696
GROUND TO GRID CONVERSION: 0.999962094

CAP: 5_K10
N=1484747.997, E=1502557.549, EL=5098.432
GROUND TO GRID CONVERSION: 0.999981913

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

SEAL

JOHN M. PROVINE NEW MEXICO 10997 REGISTERED PROFESSIONAL ENGINEER 12/17/12

NO.	DATE	REMARKS
1	01.06.12	ADDENDUM NO. 1

REVISIONS

DESIGN

DESIGNED BY CWG — DATE 12.26.11
DRAWN BY CWG — DATE 12.26.11
CHECKED BY JMP — DATE 12.26.11

Dekker/Perich/Sabatini
architecture • interiors • landscape • planning • engineering
7601 Jefferson NE, Suite 100 Albuquerque, NM 87109
505 761-9700 fax 761-4222

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

PROJECT TITLE:
FIRE STATION 7
ALBUQUERQUE, NEW MEXICO

DRAWING TITLE:
GRADING AND DRAINAGE

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

City Project No.	Zone Map No.	DWG.	Sheet	Of
8006.91	K-11	C-101		

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CDP-101 1/18/12 1:214.4