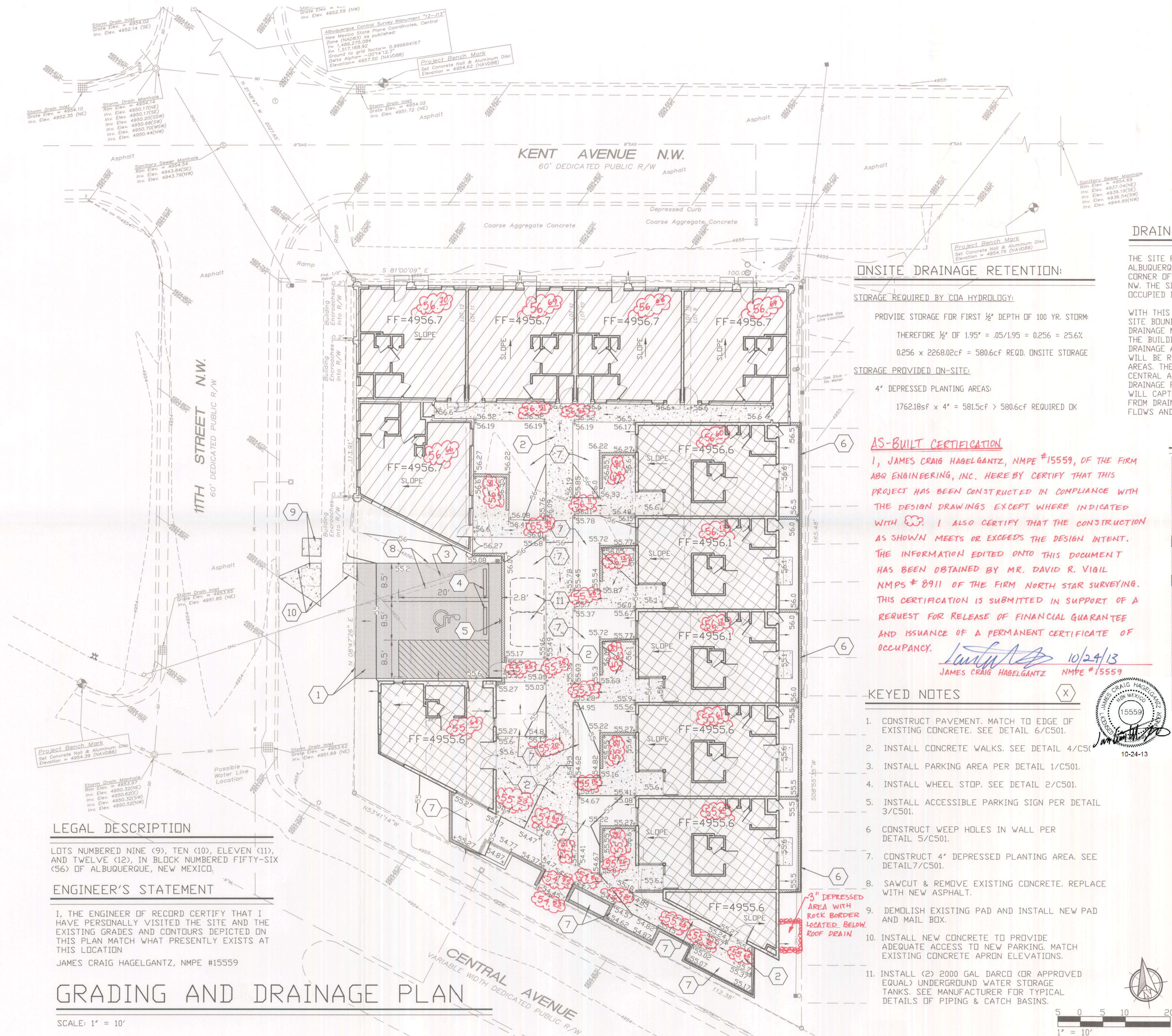


LAST MODIFIED: Oct 23, 2013 - 3:01pm BY USER: Cough
DWG. LOCATION: K:\Projects\2011\11-080\11-080\11-080.dwg
DWG. NAME: 11-080 C-101.dwg



LEGAL DESCRIPTION

LOTS NUMBERED NINE (9), TEN (10), ELEVEN (11), AND TWELVE (12), IN BLOCK NUMBERED FIFTY-SIX (56) OF ALBUQUERQUE, NEW MEXICO.

ENGINEER'S STATEMENT

I, THE ENGINEER OF RECORD CERTIFY THAT I HAVE PERSONALLY VISITED THE SITE AND THE EXISTING GRADES AND CONTOURS DEPICTED ON THIS PLAN MATCH WHAT PRESENTLY EXISTS AT THIS LOCATION

JAMES CRAIG HAGELGANTZ, NMPE #15559

GRADING AND DRAINAGE PLAN

SCALE: 1" = 10'

ONSITE DRAINAGE RETENTION:

STORAGE REQUIRED BY CDA HYDROLOGY:

PROVIDE STORAGE FOR FIRST 1/2" DEPTH OF 100 YR. STORM:

THEREFORE 1/2" OF 1.95" = .05/1.95 = 0.256 = 25.6%

0.256 x 2268.02cf = 580.6cf REQD. ONSITE STORAGE

STORAGE PROVIDED ON-SITE:

4' DEPRESSED PLANTING AREAS:

1762.18sf x 4' = 581.5cf > 580.6cf REQUIRED OK

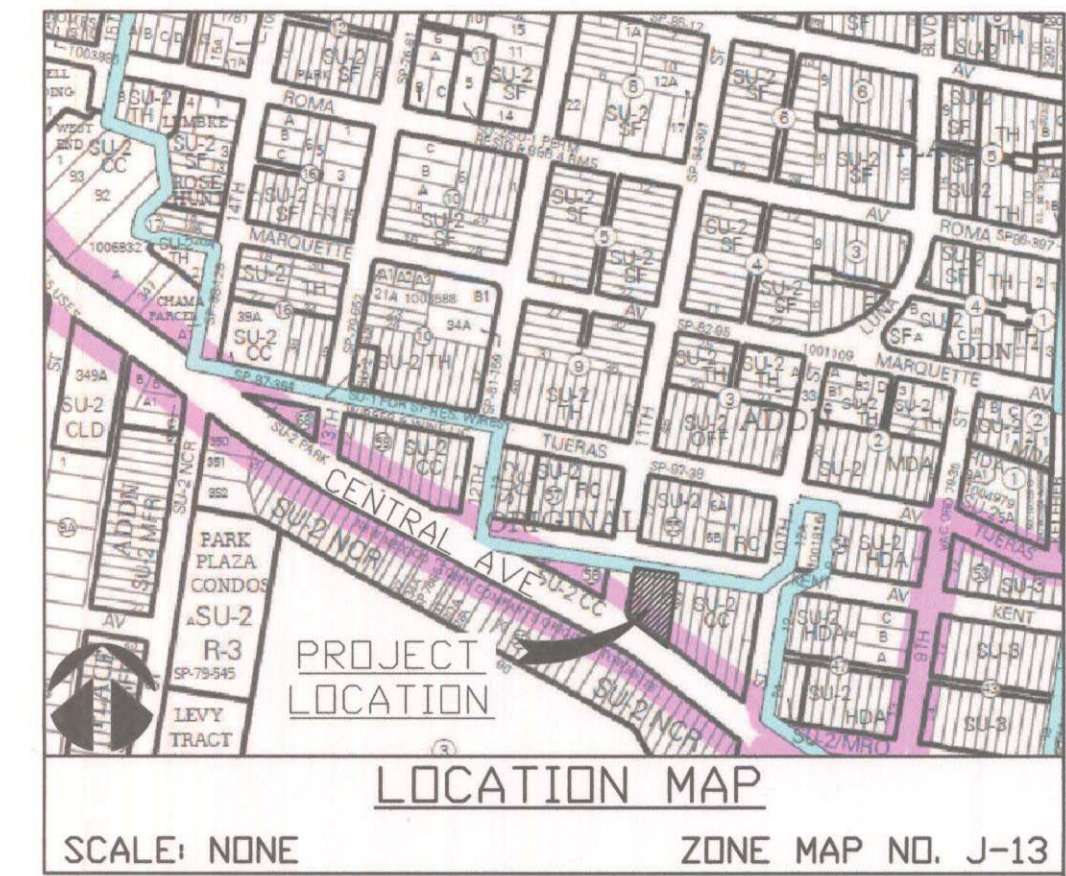
AS-BUILT CERTIFICATION

I, JAMES CRAIG HAGELGANTZ, NMPE #15559, OF THE FIRM ABQ ENGINEERING, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN CONSTRUCTED IN COMPLIANCE WITH THE DESIGN DRAWINGS EXCEPT WHERE INDICATED WITH . I ALSO CERTIFY THAT THE CONSTRUCTION AS SHOWN MEETS OR EXCEEDS THE DESIGN INTENT. THE INFORMATION EDITED ONTO THIS DOCUMENT HAS BEEN OBTAINED BY MR. DAVID R. VIGIL NMPS # 8911 OF THE FIRM NORTH STAR SURVEYING. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR RELEASE OF FINANCIAL GUARANTEE AND ISSUANCE OF A PERMANENT CERTIFICATE OF OCCUPANCY.

JAMES CRAIG HAGELGANTZ NMPE #15559 10/24/13

KEYED NOTES

1. CONSTRUCT PAVEMENT, MATCH TO EDGE OF EXISTING CONCRETE. SEE DETAIL 6/C501.
2. INSTALL CONCRETE WALKS. SEE DETAIL 4/C501.
3. INSTALL PARKING AREA PER DETAIL 1/C501.
4. INSTALL WHEEL STOP. SEE DETAIL 2/C501.
5. INSTALL ACCESSIBLE PARKING SIGN PER DETAIL 3/C501.
6. CONSTRUCT WEEP HOLES IN WALL PER DETAIL 5/C501.
7. CONSTRUCT 4' DEPRESSED PLANTING AREA. SEE DETAIL 7/C501.
8. SAWCUT & REMOVE EXISTING CONCRETE. REPLACE WITH NEW ASPHALT.
9. DEMOLISH EXISTING PAD AND INSTALL NEW PAD AND MAIL BOX.
10. INSTALL NEW CONCRETE TO PROVIDE ADEQUATE ACCESS TO NEW PARKING, MATCH EXISTING CONCRETE APRON ELEVATIONS.
11. INSTALL (2) 2000 GAL DARCO (OR APPROVED EQUAL) UNDERGROUND WATER STORAGE TANKS. SEE MANUFACTURER FOR TYPICAL DETAILS OF PIPING & CATCH BASINS.



DRAINAGE NARRATIVE

THE SITE FOR THIS GRADING PLAN IS LOTS 9 THROUGH 12, BLOCK 56 OF ALBUQUERQUE, NEW MEXICO. THE SITE IS LOCATED ON THE NORTHEAST CORNER OF THE INTERSECTION OF 11TH STREET AND CENTRAL AVENUE NW. THE SITE CONTAINS APPROXIMATELY 0.32 ACRES AND IS CURRENTLY OCCUPIED BY BUILDINGS AND A PARKING LOT.

WITH THIS DEVELOPMENT, THE EXISTING BUILDING ALONG THE NORTHERN SITE BOUNDARY WILL REMAIN AND BE RENOVATED WITH EXISTING ROOF DRAINAGE MAINTAINING HISTORICAL FLOW PATTERN. THE REMAINDER OF THE BUILDINGS AND SITE WILL BE DEMOLISHED AND REBUILT WITH ROOF DRAINAGE AS SHOWN ON THIS PLAN. THE EXISTING PAVED PARKING AREA WILL BE REPLACED WITH CONCRETE WALKWAYS AND DEPRESSED PLANTING AREAS. THE MAJORITY OF THE SITE HISTORICALLY DRAINED TOWARD CENTRAL AVENUE. WHILE THE NEW GRADING MAINTAINS THE HISTORICAL DRAINAGE PATTERN, THE ADDITION OF THE DEPRESSED PLANTING AREAS WILL CAPTURE MOST RUNOFF FROM IMPERVIOUS AREAS PREVENTING IT FROM DRAINING ONTO THE ROADWAY. THE SITE DOES NOT ACCEPT OFFSITE FLOWS AND IS NOT LOCATED WITHIN A 100 YEAR FLOODPLAIN.

DRAINAGE CALCULATIONS

NMAS				
Hydrology Calculations				
DPM - Section 22.2				
Volume 2, January 1993				
Precipitation Zone	2			
100 Year Storm Depth, P (360)	2.35			
Treatment Area	A	B	C	D
Excess Precipitation Factors	0.53	0.78	1.13	2.12
Peak Discharge Factors	1.56	2.28	3.14	4.70
Land Treatment Area	Acres	Existing	Allowable	Proposed
Type "D" (Roof)		0.27		0.28
Type "C" (Unpaved Roadway)		0.05		0.00
Type "B" (Irrigated Lawns)		0.00		0.04
Type "A" (Undeveloped)		0.00		0.00
Total (Acres)		0.32		0.32
Excess Precipitation(in)		1.97		1.95
Volume (100), cf		2282.91		2268.02
Volume (10), cf		1529.65		1519.58
Q (100), cfs		1.43		1.41
Q (10), cfs		0.96		0.94

LEGEND

—4955—	EXISTING INDEX CONTOUR
---4954---	EXISTING INTERIM CONTOUR
—55—	NEW INDEX CONTOUR
---54---	NEW INTERIM CONTOUR
+55.6	NEW SPOT ELEVATION
4950.32	EXISTING SPOT ELEVATION
TW	TOP OF WALL
BW	BOTTOM OF WALL
TC	TOP OF CURB
FL	FLOW LINE
FF	FINISH FLOOR ELEVATION
	DIRECTION OF FLOW
	EXISTING FIRE HYDRANT

ABQ Engineering
Engineers • Planners • Construction Services
8102 Menaul Blvd. NE, Suite D, Albuquerque, NM 87110
tele: 505.255.7802 Project # 11-080

VE SET 5/3/2013

NMAS HOUSING PROJECT
1023 CENTRAL AVENUE NW, ALBUQUERQUE, NEW MEXICO 87102
NMAS NEW MEXICO AIDS SERVICES, INC
CALOTT + GIFFORD 723-B SILVER AVENUE NW SUITE B ALBUQUERQUE, NEW MEXICO 87102 P 505.242.1871 F 505.242.1872
ARCHITECTURE URBAN DESIGN PO BOX 31934 SANTA FE, NEW MEXICO 87594 T 505.690.5898 F 505.982.7884

C-101

SHEET:
DATE: AUG, 2012



8/27/2012