## CITY OF ALBUQUER

July 11, 2016

Richard J. Berry, Mayor

Fred C. Arfman, P.E. Isaacson & Arfman, P.A. 128 Monroe Street NE Albuquerque, NM, 87108

RE:

McMahon Market Place Shell Building

Grading and Drainage Plan

Engineer's Stamp Date 6-30-2016 (File: A11D001E)

DONC

Dear Mr. Arfman:

Based upon the information provided in your submittal received 6-30-2016, the above referenced submittal is approved for Building Permit with the following condition:

1. If the building is intended as a restaurant shell, the dumpster drain needs to be directly connected to the SAS.

PO Box 1293

Please attach a copy of this approved plan in the construction sets when submitting for a building permit. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions, you can contact me at 924-3986.

Albuquerque

New Mexico 87103

Abiel Carrillo, P.E.

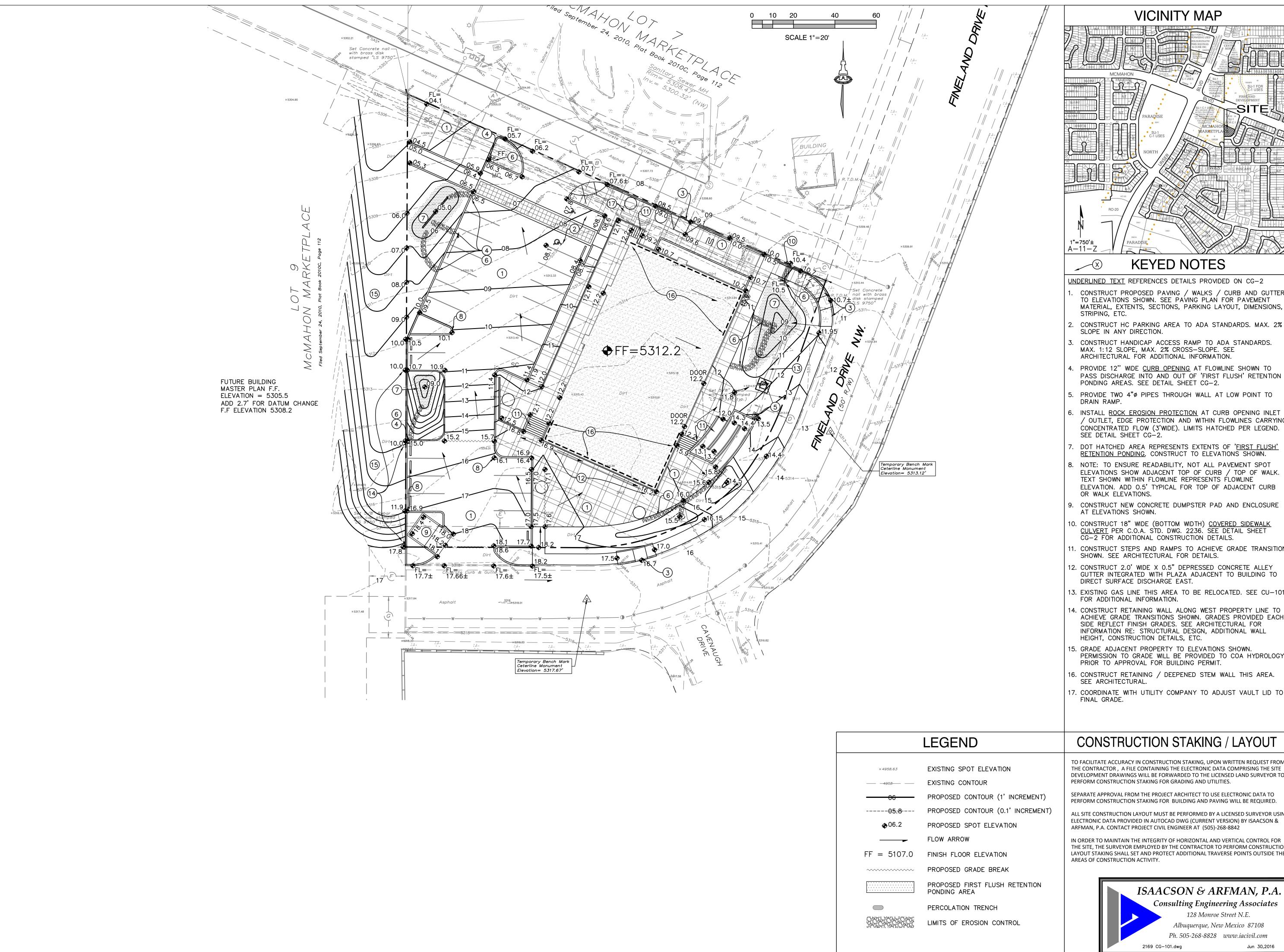
Sincerely

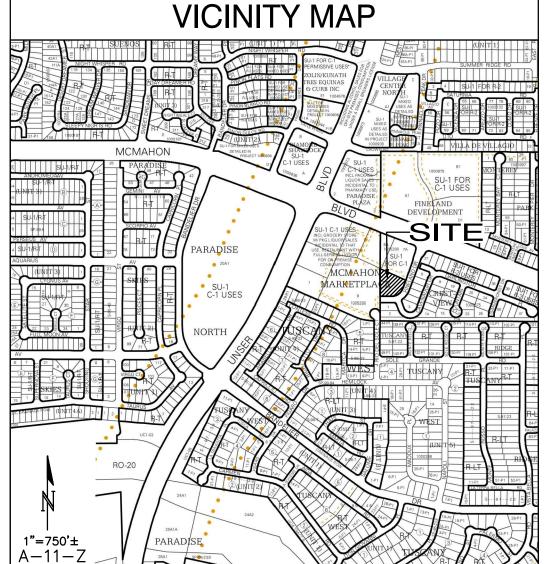
Principal Engineer, Planning Dept.

www.cabq.gov

Development Review Services

Orig: Drainage file





#### **KEYED NOTES**

<u>UNDERLINED TEXT</u> REFERENCES DETAILS PROVIDED ON CG-2 CONSTRUCT PROPOSED PAVING / WALKS / CURB AND GUTTER TO ELEVATIONS SHOWN. SEE PAVING PLAN FOR PAVEMENT

CONSTRUCT HC PARKING AREA TO ADA STANDARDS. MAX. 2% SLOPE IN ANY DIRECTION.

CONSTRUCT HANDICAP ACCESS RAMP TO ADA STANDARDS. MAX. 1:12 SLOPE, MAX. 2% CROSS-SLOPE. SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION.

4. PROVIDE 12" WIDE <u>CURB OPENING</u> AT FLOWLINE SHOWN TO PASS DISCHARGE INTO AND OUT OF 'FIRST FLUSH' RETENTION PONDING AREAS. SEE DETAIL SHEET CG-2.

PROVIDE TWO 4"Ø PIPES THROUGH WALL AT LOW POINT TO DRAIN RAMP.

INSTALL ROCK EROSION PROTECTION AT CURB OPENING INLET / OUTLET, EDGE PROTECTION AND WITHIN FLOWLINES CARRYING CONCENTRATED FLOW (3'WIDE). LIMITS HATCHED PER LEGEND. SEE DETAIL SHEET CG-2.

DOT HATCHED AREA REPRESENTS EXTENTS OF 'FIRST FLUSH' RETENTION PONDING. CONSTRUCT TO ELEVATIONS SHOWN.

NOTE: TO ENSURE READABILITY, NOT ALL PAVEMENT SPOT ELEVATIONS SHOW ADJACENT TOP OF CURB / TOP OF WALK. TEXT SHOWN WITHIN FLOWLINE REPRESENTS FLOWLINE ELEVATION. ADD 0.5' TYPICAL FOR TOP OF ADJACENT CURB OR WALK ELEVATIONS.

9. CONSTRUCT NEW CONCRETE DUMPSTER PAD AND ENCLOSURE AT ELEVATIONS SHOWN.

10. CONSTRUCT 18" WIDE (BOTTOM WIDTH) <u>COVERED SIDEWALK</u>
<u>CULVERT</u> PER C.O.A. STD. DWG. 2236. SEE DETAIL SHEET
CG—2 FOR ADDITIONAL CONSTRUCTION DETAILS.

11. CONSTRUCT STEPS AND RAMPS TO ACHIEVE GRADE TRANSITION SHOWN. SEE ARCHITECTURAL FOR DETAILS.

12. CONSTRUCT 2.0' WIDE X 0.5" DEPRESSED CONCRETE ALLEY GUTTER INTEGRATED WITH PLAZA ADJACENT TO BUILDING TO

13. EXISTING GAS LINE THIS AREA TO BE RELOCATED. SEE CU-101

14. CONSTRUCT RETAINING WALL ALONG WEST PROPERTY LINE TO ACHIEVE GRADE TRANSITIONS SHOWN. GRADES PROVIDED EACH SIDE REFLECT FINISH GRADES. SEE ARCHITECTURAL FOR INFORMATION RE: STRUCTURAL DESIGN, ADDITIONAL WALL HEIGHT, CONSTRUCTION DETAILS, ETC.

15. GRADE ADJACENT PROPERTY TO ELEVATIONS SHOWN. PERMISSION TO GRADE WILL BE PROVIDED TO COA HYDROLOGY PRIOR TO APPROVAL FOR BUILDING PERMIT.

16. CONSTRUCT RETAINING / DEEPENED STEM WALL THIS AREA. SEE ARCHITECTURAL.

17. COORDINATE WITH UTILITY COMPANY TO ADJUST VAULT LID TO FINAL GRADE.

### CONSTRUCTION STAKING / LAYOUT

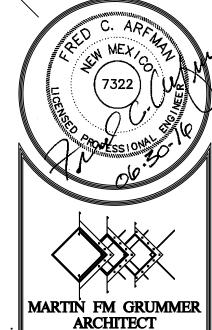
TO FACILITATE ACCURACY IN CONSTRUCTION STAKING, UPON WRITTEN REQUEST FROM THE CONTRACTOR, A FILE CONTAINING THE ELECTRONIC DATA COMPRISING THE SITE DEVELOPMENT DRAWINGS WILL BE FORWARDED TO THE LICENSED LAND SURVEYOR TO PERFORM CONSTRUCTION STAKING FOR GRADING AND UTILITIES.

SEPARATE APPROVAL FROM THE PROJECT ARCHITECT TO USE ELECTRONIC DATA TO PERFORM CONSTRUCTION STAKING FOR BUILDING AND PAVING WILL BE REQUIRED.

ALL SITE CONSTRUCTION LAYOUT MUST BE PERFORMED BY A LICENSED SURVEYOR USING ELECTRONIC DATA PROVIDED IN AUTOCAD DWG (CURRENT VERSION) BY ISAACSON & ARFMAN, P.A. CONTACT PROJECT CIVIL ENGINEER AT (505)-268-8842

IN ORDER TO MAINTAIN THE INTEGRITY OF HORIZONTAL AND VERTICAL CONTROL FOR THE SITE, THE SURVEYOR EMPLOYED BY THE CONTRACTOR TO PERFORM CONSTRUCTION LAYOUT STAKING SHALL SET AND PROTECT ADDITIONAL TRAVERSE POINTS OUTSIDE THE AREAS OF CONSTRUCTION ACTIVITY.



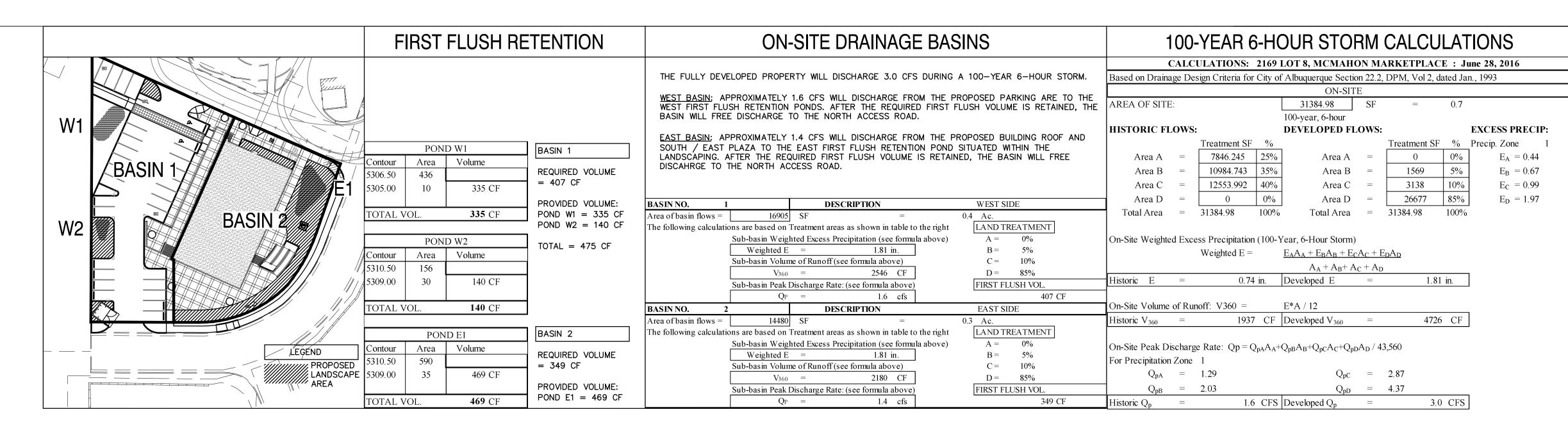


331 WELLESLEY PLACE NE ALBUQUERQUE, NEW MEXICO 87106

30 JUNE 2016 DRAWN BY: BJB CHECKED BY: FCA VERIFIED BY:

REVISIONS





WELD 1/8" THICK, 5/8" MIN. DIAMETER OVER ALL SCREWS. COMPLETELY COVER SCREW HEADS. GRIND EDGES SMOOTH.

PER PLAN

USE NO. 3 DEFORMED BAR-

DOWELS. SPACE DOWELS AT 18"
O.C. MAXIMUM. 1-1/2" MINIMUM
FROM FACE OF CONCRETE

SECTION A-A

FOR SECURING PLATE USE 1"X5" S.S. ROD ANCHOR, "RED HEAD MULTI-SET II SRM-38 ANCHOR" OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS AT MAX. 24" O.C., A MINIMUM OF 2 PER SIDE AND ONE WITHIN 6" OF EACH END.

 $\frac{3}{4}$ " - 16 x 1 $\frac{1}{4}$ "

-3/8" CHECKERED STEEL PLATE.

COUNTERSUNK, F.H., CARBON STEEL,

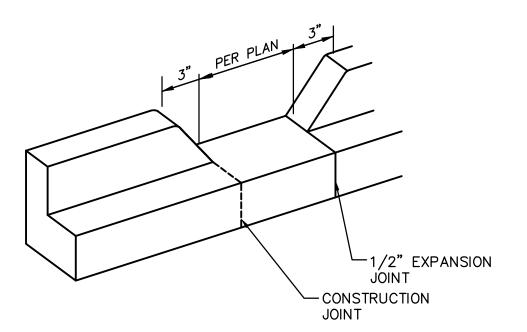
MACHINE SCREW. (TYP)

WHERE ADJACENT TO LANDSCAPING,

LANDSCAPING

EXTEND CULVERT 12" BEYOND

BACK OF WALK



GENERAL NOTES

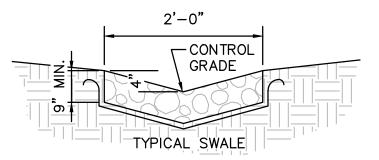
1. EDGES NOT SPECIFICALLY DIMENSIONED SHALL BE SHAPED WITH A 3/8" EDGING TOOL.

# **CURB OPENING**

SCALE: N.T.S.

PAVEMENT -

- VARY ANGULAR FACE ROCK SIZE BETWEEN 3" AND 9" DIA. (AVG.=6")
- PLACE GEOTEX 501 NON-WOVEN GEOTEXTILE (O.E.) BENEATH ALL EROSION PROTECTION
- CONSTRUCT ALL EROSION PROTECTION INSET INTO (NOT ON TOP OF) GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY



**ROCK EROSION PROTECTION** 

SCALE: N.T.S.

SHOWN ON THIS DETAIL

— SIDEWALK <u>PLAN</u> CONSTRUCT PER C.O.A. STD. DWG. 2236 WITH MODIFICATIONS AS

**COVERED SIDEWALK CULVERT** 

SCALE: N.T.S.

#### PROJECT DATA

PROPERTY: THE SITE IS AN UNDEVELOPED COMMERCIAL PROPERTY WITHIN C.O.A. VICINITY MAP A-11. THE SITE IS BOUND TO THE EAST AND SOUTH BY FINELAND DR. NW, AND TO THE WEST AND NORTH BY MCMAHON MARKETPLACE LOTS AND ACCESS DRIVES.

SITE AREA: 0.7205 ACRES

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE A MULTI-UNIT RETAIL BUILDING, PAVED PARKING, PEDESTRIAN WALKS, DRAINAGE IMPROVEMENTS, AND LANDSCAPING.

LEGAL: LOT 8 MCMAHON MARKETPLACE, CITY OF ALBUQUERQUE, NEW

BENCHMARK: VERTICAL DATUM IS BASED UPON THE ALBUQUERQUE CONTROL SURVEY MONUMENT "9-A11", ELEVATION = 5301.647 (NAVD

OFF-SITE: NO OFF-SITE DRAINAGE WILL IMPACT THIS PROPERTY.

FLOOD HAZARD: PROPERTY IS LOCATED WITHIN ZONE X, DESIGNATING AREAS DETERMINED TO BE OUTSIDE THE 100-YEAR FLOOD PLAIN ACCORDING TO THE FLOOD INSURANCE RATE MAP, BERNALILLO COUNTY NEW MEXICO AND INCORPORATED AREAS MAP NO. 35001C0104H, MAP REVISED AUGUST 16, 2012.

DRAINAGE PLAN CONCEPT: THIS SITE IS ANALYZED AS PART OF THE MCMAHON MARKETPLACE DRAINAGE MANAGEMENT PLAN (DMP) DATED 05/07/10 PREPARED BY BOHANNAN-HUSTON INC. THE SITE IS CURRENTLY UNDEVELOPED BUT SOME GRADING OCCURRED AS PART OF THE ACCESS ROAD CONSTRUCTION. THE SITE FALLS WITHIN DRAINAGE BASIN G WHICH IS PERMITTED FREE DISCHARGE BASED ON A FULLY DEVELOPED CONDITION (0%A; 5%B; 10%C; 85%D).

THE PROPERTY WILL FREE DISCHARGE AFTER FIRST FLUSH RETENTION IS

STORMWATER CONTROL MEASURES ARE REQUIRED TO PROVIDE MANAGEMENT OF 'FIRST FLUSH' DEFINED AS THE 90TH PERCENTILE STORM ( EVENT OR 0.34" [0.44" LESS 0.1" FOR INITIAL ABSTRACTION] OF STORMWATER WHICH DISCHARGES DIRECTLY TO A PUBLIC STORM DRAINAGE,

FIRST FLUSH RETENTION PONDS WILL BE CONSTRUCTED WITHIN THE LANDSCAPE AREAS AS DESIGNATED BY DOT HATCH, STORM WATER FROM THE IMPERVIOUS AREAS SHALL BE DIRECTED TO THESE PONDS. STORMWATER WILL THEN FREE DISCHARGE TO THE NORTH ACCESS ROAD

FRED C. ARFMAN, NMPE 7322 ISAACSON & ARFMAN, PA 128 MONROE NE, 87111

RUSS P. HUGG, NMPS NO. 9750 SURVEYOR: SURV-TEK, INC.

9384 VALLEY VIEW DR. NW, 87114 TELEPHONE: (505) 897-3366

TELEPHONE: (505) 268-8828

MEX!

7322

MARTIN FM GRUMMER

**ARCHITECT** 

ALBUQUERQUE, NEW MEXICO 87106

331 WELLESLEY PLACE NE

30 JUNE 2016 DRAWN BY: BJB CHECKED BY: FCA VERIFIED BY:

**REVISIONS** 



ISAACSON & ARFMAN, P.A Consulting Engineering Associates 128 Monroe Street N.E. Albuquerque, New Mexico 87108 Ph. 505-268-8828 www.iacivil.com

2169 CG-101.dwg



COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: \_\_\_

City of Albuquerque TASTRAX

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

4444					
Project Title: McMahon Market Place New Shell Building		Building Permit #:	City Drainage #: A11 D60F		
DRB#:	EPC#:		Work Order#:		
Legal Description: Lot 8, McMahon Marketpl					
City Address: 5708 McMahon Blvd. NW - Al	buquerque, NM 87114				
Engineering Firm: Isaacson & Arfman, P.A.			Contact: Free	C. Arfman	
Address: 128 Monroe Street NE - Albuquerque, NM 87108					
Phone#: (505) 268-8828 F	ax#:		E-mail: freda	@iacivil.com	
Owner:			Contact:		
Address:					
Phone#:	ax#:		E-mail:		
Architect: Martin FM Grummer Architect			Contact: Mark	in Grummer	
Address: 331 Wellesley Place NE - Albuqu	erque, NM 87106				
Phone#: F	ax#:				
Other Contact:			Contact:		
Address:					
Phone#: F					
DEPARTMENT:  X HYDROLOGY/ DRAINAGE  TRAFFIC/ TRANSPORTATION  MS4/ EROSION & SEDIMENT CONTROL  TYPE OF SUBMITTAL:  ENGINEER ARCHITECT CERTIFICATION  CONCEPTUAL G & D PLAN  X GRADING PLAN  DRAINAGE MASTER PLAN  DRAINAGE REPORT  CLOMR/LOMR  TRAFFIC CIRCULATION LAYOUT (TCL)  TRAFFIC IMPACT STUDY (TIS)  EROSION & SEDIMENT CONTROL PLAN  OTHER (SPECIFY)  IS THIS A RESUBMITTAL?:  Yes X N  First Subm	JUN 3 0 2016  DEVELOPMENT SECTION  (ESC)	PRELIMINAR SITE PLAN FO SITE PLAN FO FINAL PLAT SIA/ RELEAS FOUNDATION GRADING PE SO-19 APPRO PAVING PERI	RMIT APPROVE OF OCCUPAN  Y PLAT APPR OR SUB'D APP OR BLDG. PER APPROVAL E OF FINANCIA I PERMIT APPROVIVAL MIT APPROVAL AD CERTIFICA APPROVAL R  IEETING	AL NCY OVAL PROVAL MIT APPROVAL AL GUARANTER PROVAL AL TION	RECEIVE 6-30-16
	By: Fred C. A	Arfman			