



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: _____ Building Permit #: _____ City Drainage #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: _____

City Address: _____

Engineering Firm: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Owner: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Architect: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Surveyor: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Contractor: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

TYPE OF SUBMITTAL:

- _____ DRAINAGE REPORT
- _____ DRAINAGE PLAN 1st SUBMITTAL
- _____ DRAINAGE PLAN RESUBMITTAL
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ EROSION & SEDIMENT CONTROL PLAN (ESC)
- _____ ENGINEER'S CERT (HYDROLOGY)
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ ENGINEER'S CERT (TCL)
- _____ ENGINEER'S CERT (DRB SITE PLAN)
- _____ ENGINEER'S CERT (ESC)
- _____ SO-19
- _____ OTHER (SPECIFY)

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- _____ SIA/FINANCIAL GUARANTEE RELEASE
- _____ PRELIMINARY PLAT APPROVAL
- _____ S. DEV. PLAN FOR SUB'D APPROVAL
- _____ S. DEV. FOR BLDG. PERMIT APPROVAL
- _____ SECTOR PLAN APPROVAL
- _____ FINAL PLAT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY (PERM)
- _____ CERTIFICATE OF OCCUPANCY (TCL TEMP)
- _____ FOUNDATION PERMIT APPROVAL
- _____ BUILDING PERMIT APPROVAL
- _____ GRADING PERMIT APPROVAL
- _____ PAVING PERMIT APPROVAL
- _____ WORK ORDER APPROVAL
- _____ GRADING CERTIFICATION
- _____ SO-19 APPROVAL
- _____ ESC PERMIT APPROVAL
- _____ ESC CERT. ACCEPTANCE
- _____ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED: _____ Yes _____ No _____ Copy Provided

DATE SUBMITTED: _____ By: _____

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
4. **Erosion and Sediment Control Plan:** Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development

CITY OF ALBUQUERQUE



August 11, 2015

David Soule, P.E.
Rio Grande Engineering
PO Box 93924
Albuquerque, New Mexico 87199

RE: **Parking Lot for 6th St/Fruit Ave**
6th St/Fruit Ave
Grading and Drainage Plan
Engineers Stamp Date 8/4/15 (J14D177)

Dear Mr. Soule,

Based upon the information provided in your submittal received 8/4/15, this plan cannot be approved for Grading Permit or Paving Permit until the following comments are addressed.

- Provide a larger font for the Drainage Calculation Sheet. **ADDED**
- In the narrative a new home being built is mentioned. Where is the home located in this parking lot? **CORRECT NARRATIVE ATTACHED**
- The first flush pond to the south shows a TOP = 4957.00 and a BOTTOM = 4056.00, I hope this is a typo, adjust accordingly. **CORRECTED**
- The three ponds to the east have a TOP shown larger than the spot elevation provided next to the ponds, adjust accordingly. **CORRECTED**
- Is the lot being paved, or kept as is? Are parking bumpers supplied? The alley will need to be paved. A TCL is required. **INCLUDED TCL**
- Provide the benchmark. **ADDED**
- How will erosion, dirt, dust from the parking lot be kept out of the right of way (6th St.)? **INCLUDED LANDSCAPE PLAN TO SHOW GRAVEL**

PO Box 1293

Albuquerque

New Mexico 87103

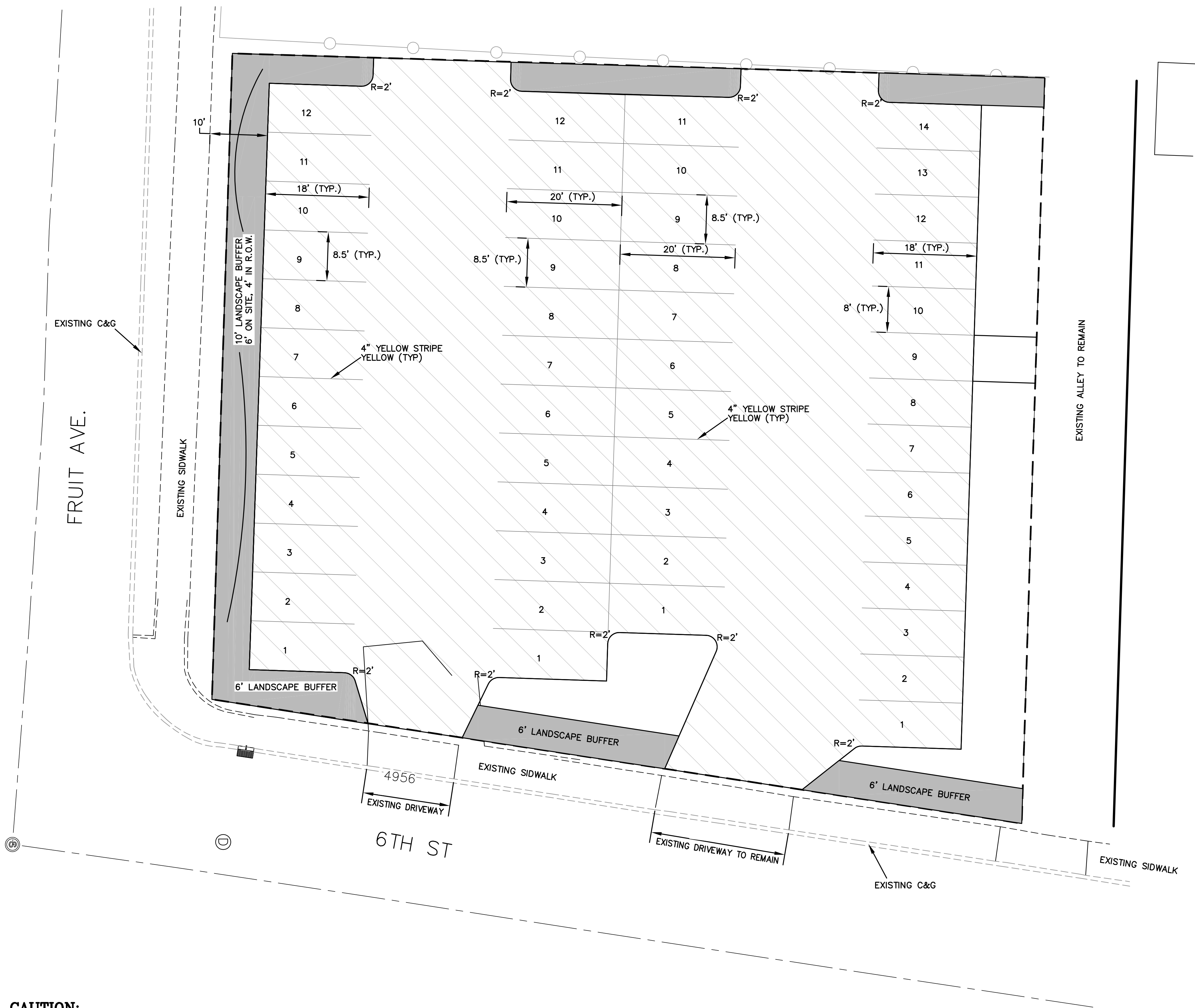
www.cabq.gov

If you have any questions, please contact me at 924-3695 or Rudy Rael at 924-3977.

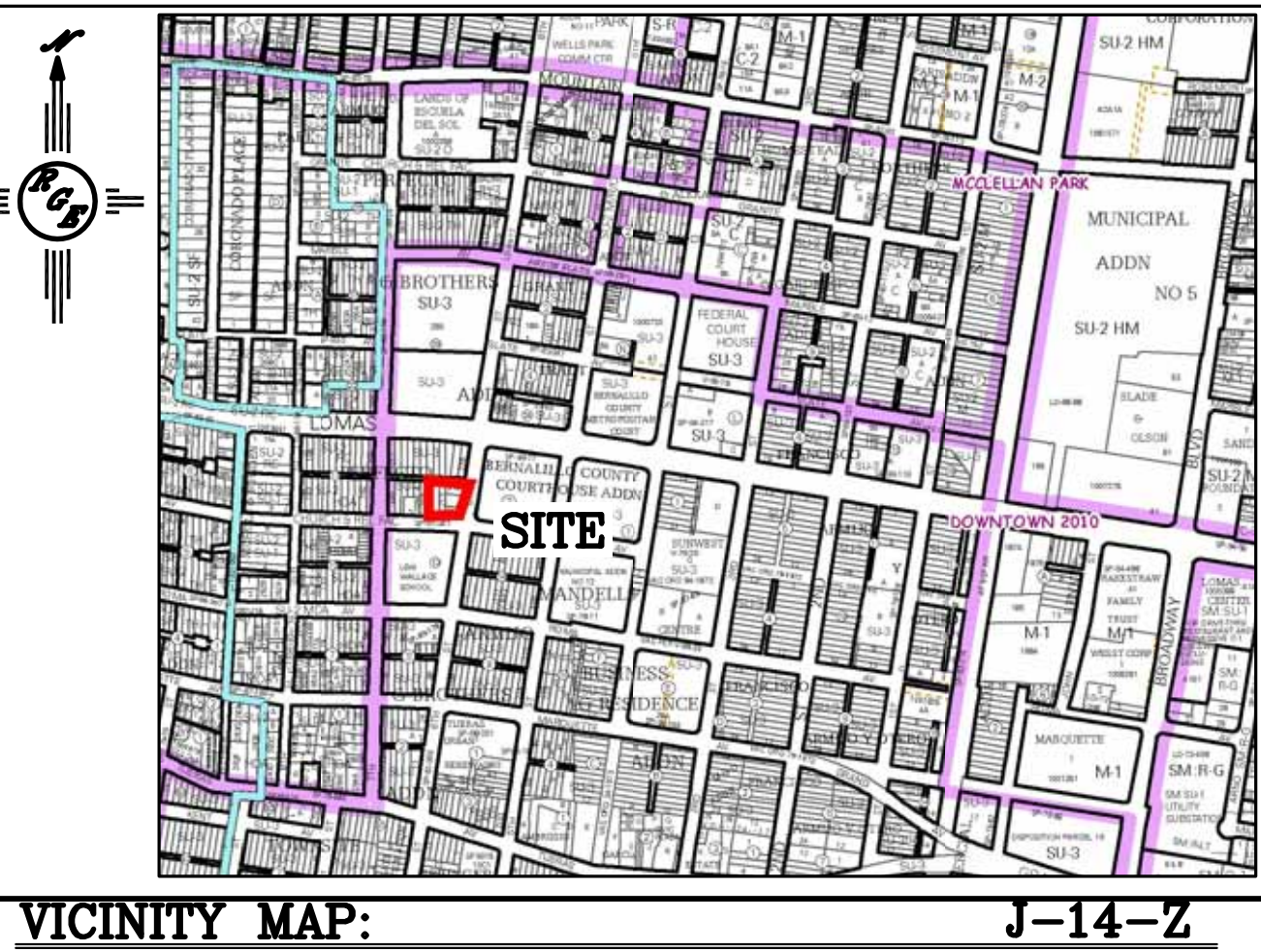
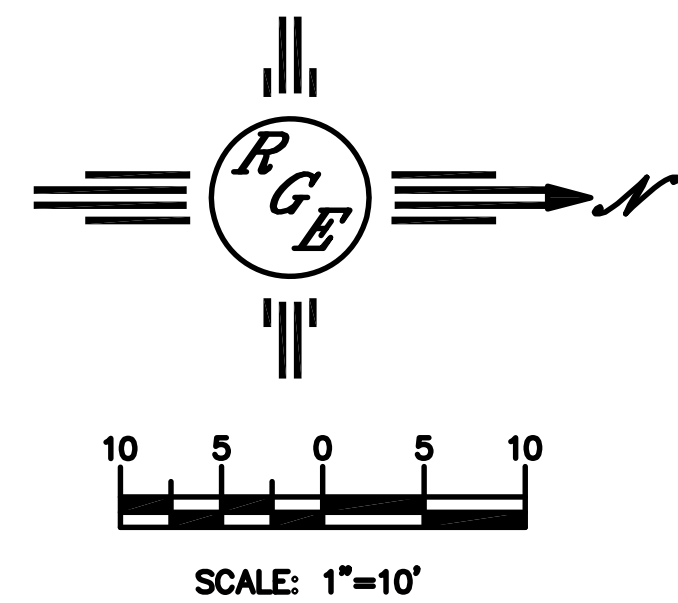
Sincerely,

Rita Harmon, P.E.
Senior Engineer, Hydrology
Planning Department

RR/RH
C: File


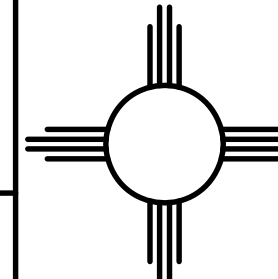


CAUTION:
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.



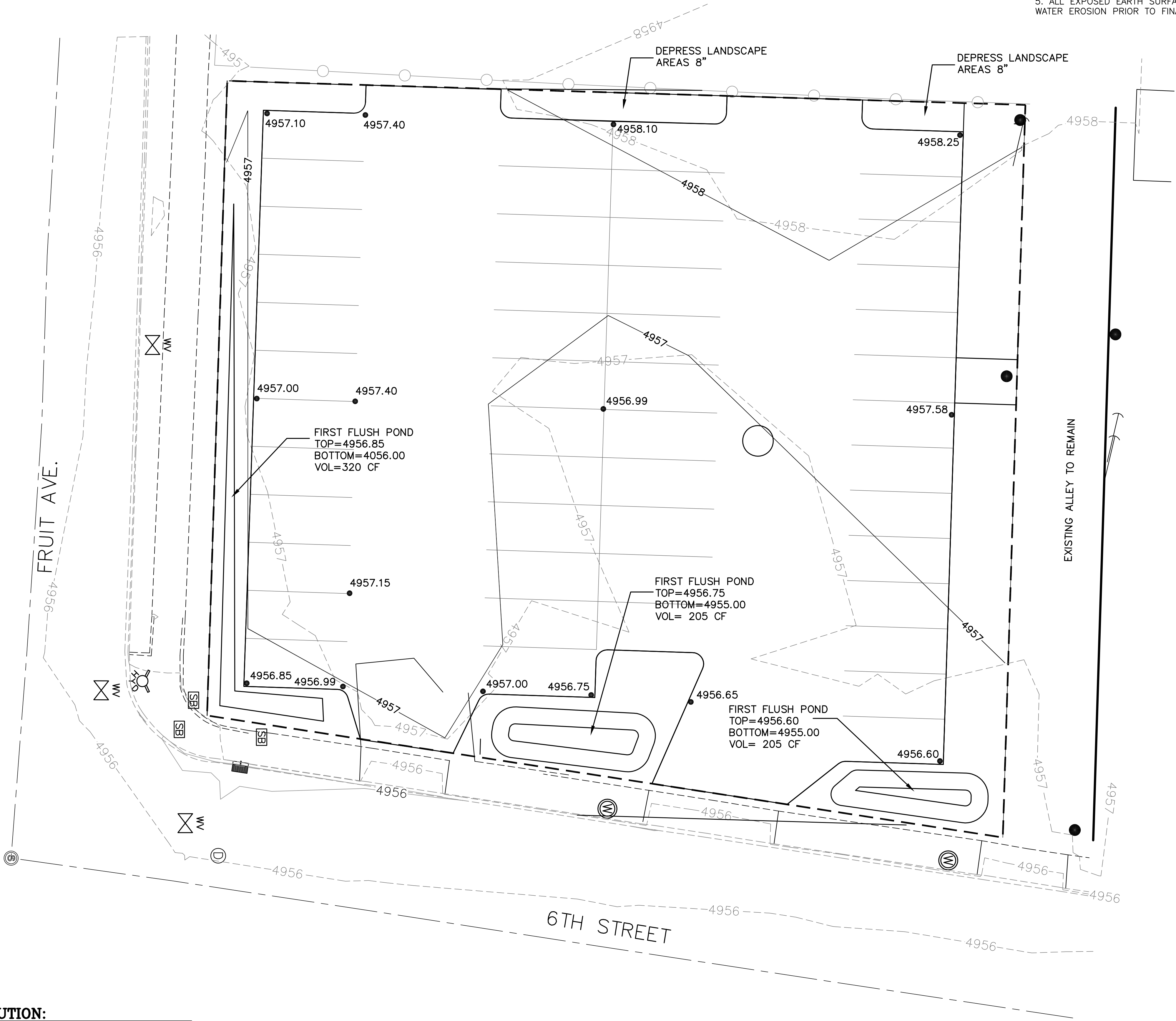
- NOTES:
1. PARKING BUMPERS SHALL BE INSTALLED.
 2. EXISTING ALLEY WILL REMAIN, NO ACCESS TO PARKING FIELD SHALL BE TAKEN FROM ALLEY.

- LANDSCAPE AREA
- LIMITS OF NEW PAVEMENT
2" ASPHALT OVER COMPACTED SUBGRADE

 8/18/15 DAVID SOULE P.E. #14522	PARKING LOT FOR 6TH ST AND FRUIT AVE.	DRAWN BY DEM
		DATE 7-15-15
	SITE PLAN AND TRAFFIC CIRCULATION PLAN  1006 CENTRAL AVENUE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0000	SHEET # 1 of 3 JOB # XXXXX

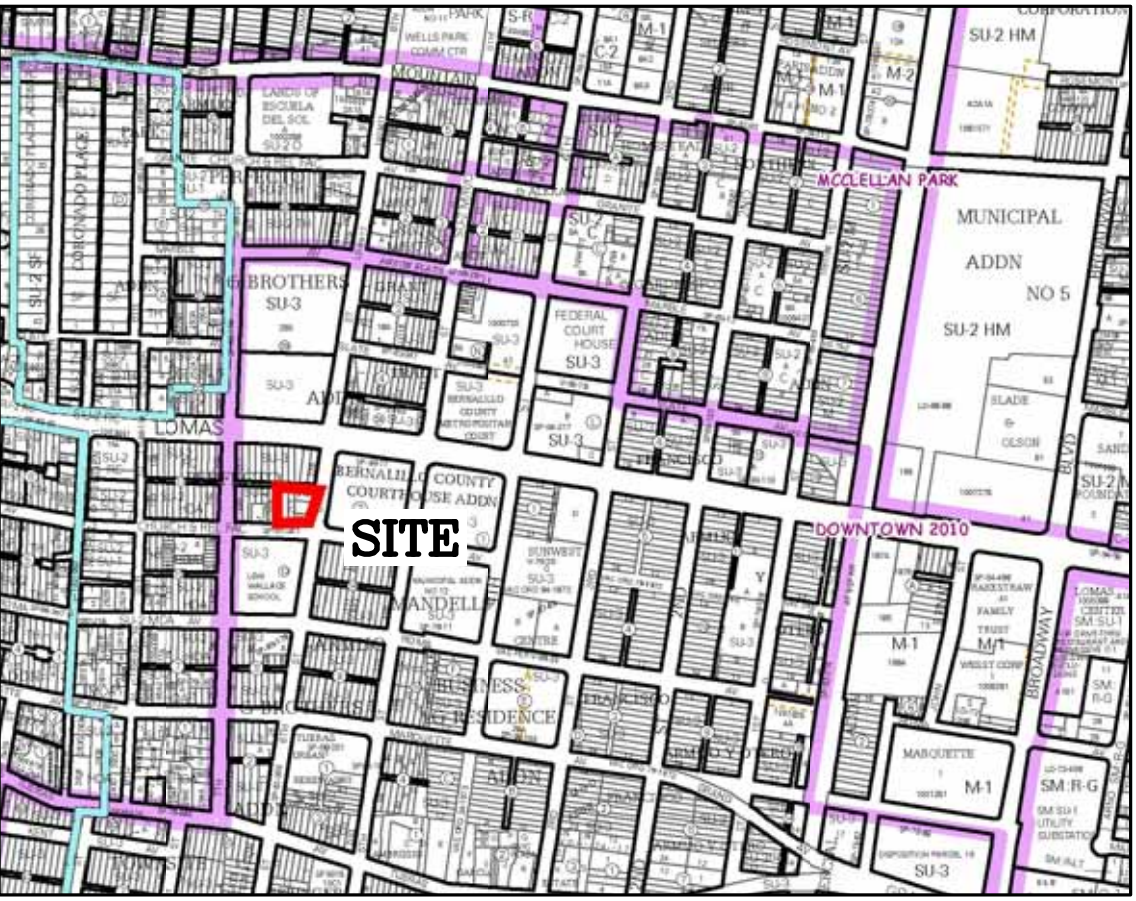
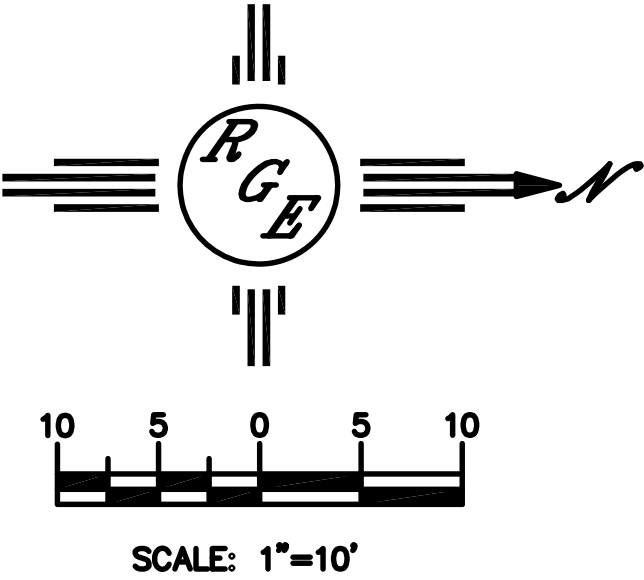
EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



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VICINITY MAP:

J-14-Z



FIRM MAP:

35001C334G

LEGAL DESCRIPTION:

605 SIXTH STREET LOTS 212-216 ARMIJO BROTHERS ADDITION
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

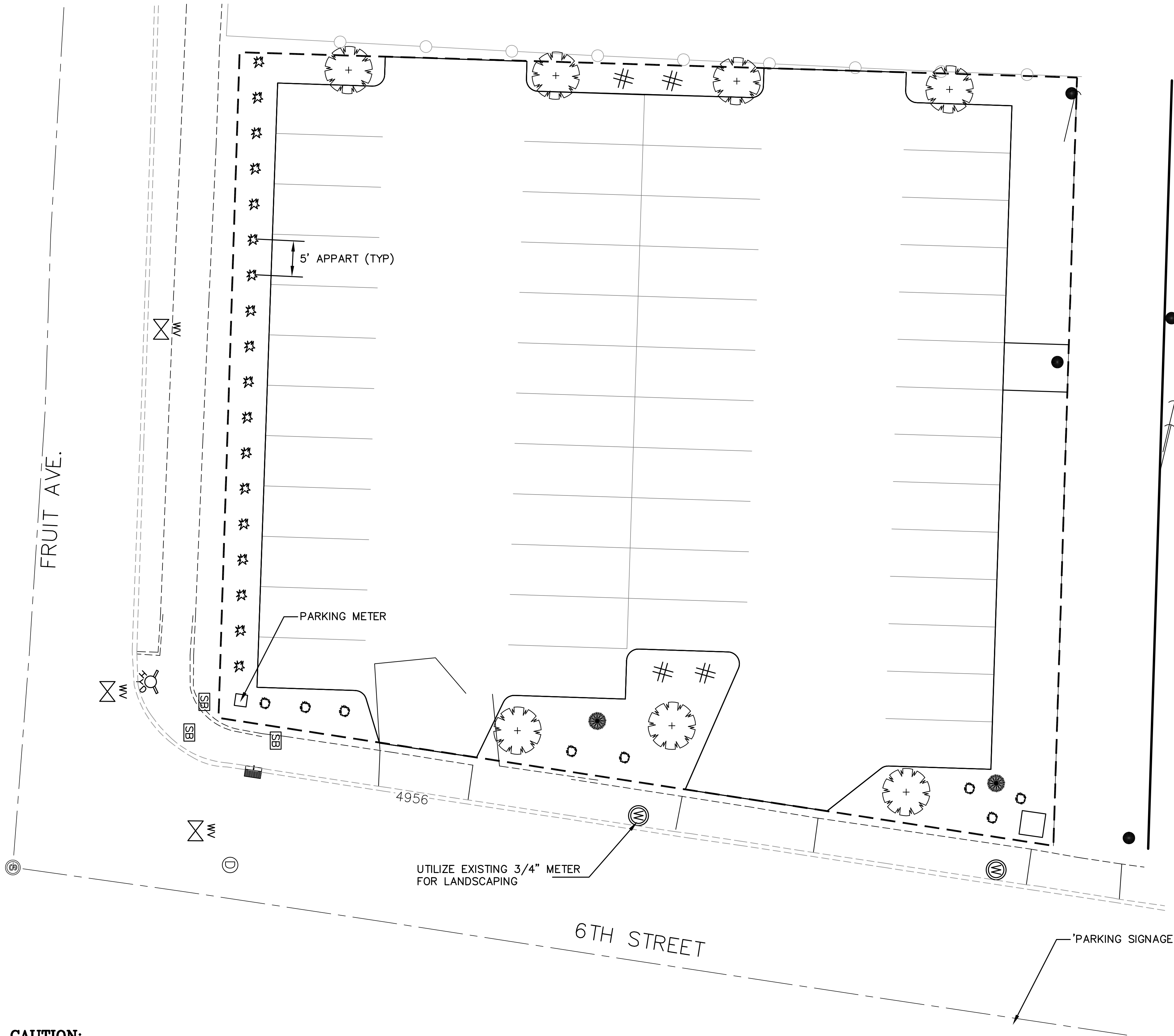
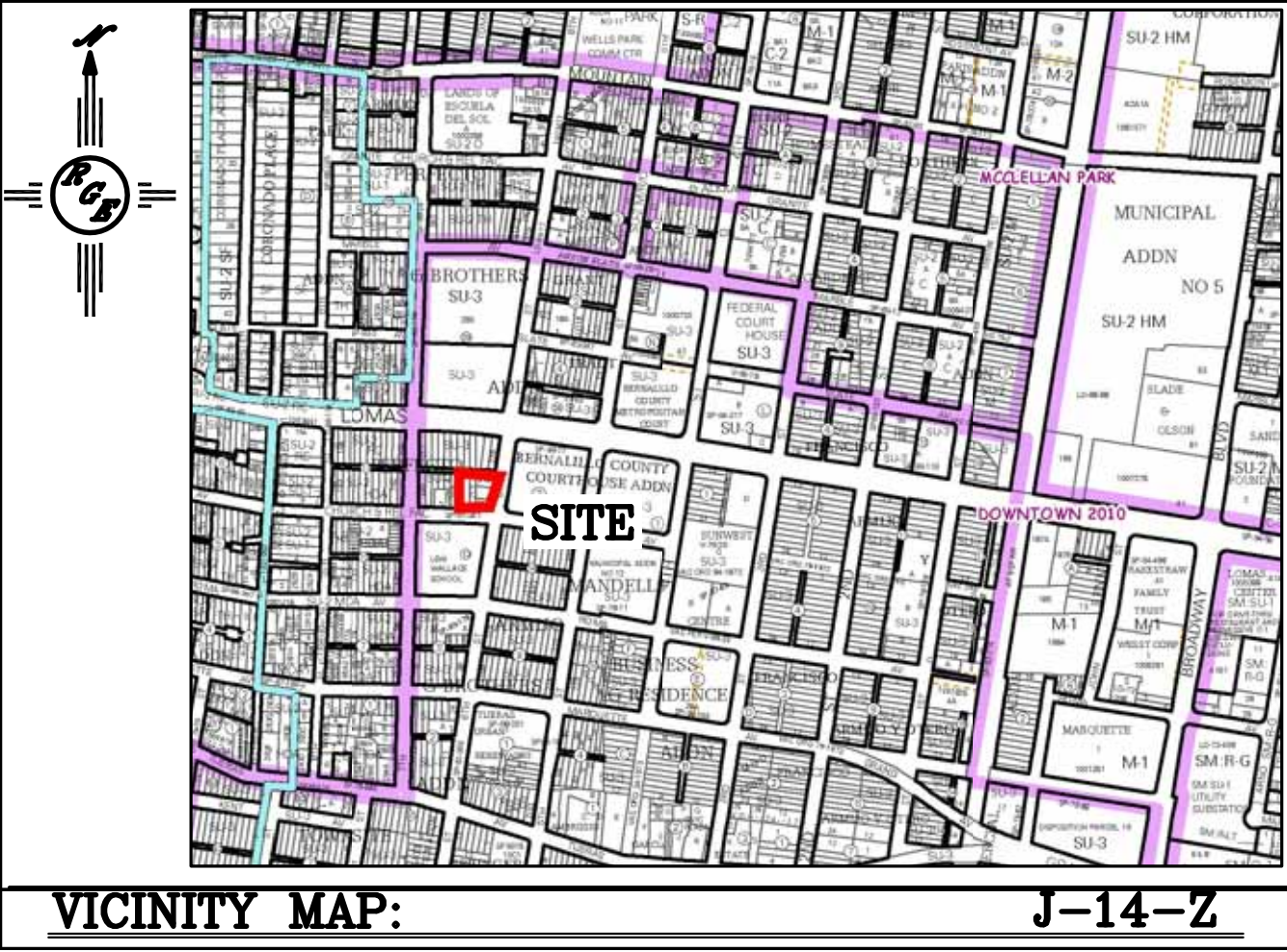
NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.

LEGEND

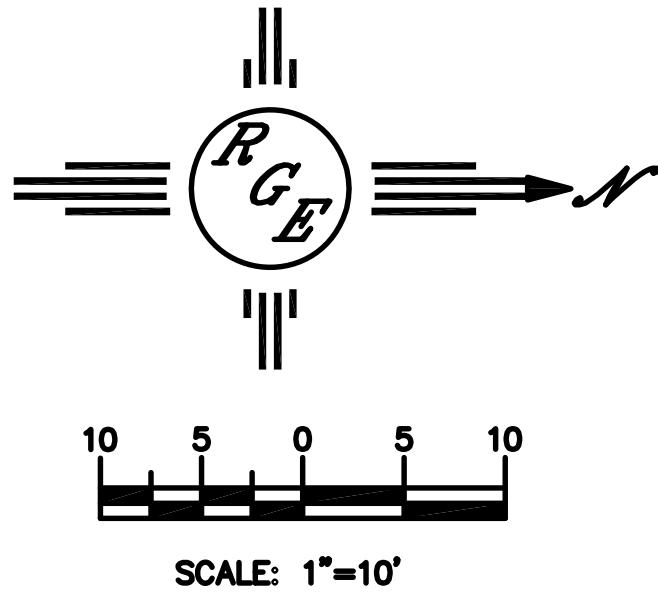
- 5601--- EXISTING CONTOUR
---5600--- EXISTING INDEX CONTOUR
---5601--- PROPOSED CONTOUR
---5600--- PROPOSED INDEX CONTOUR
- LOT LINE
— CENTERLINE
— RIGHT-OF-WAY
- EXTENDED STEM WALL SEE ARCH PLANS FOR DETAILS
- PROPOSED ROCK FACE WALL
- EXISTING CURB AND GUTTER
- PROPOSED EDGE OF CONCRETE
- PROPOSED FLOWLINE
- /// EXISTING WALL

<div>ENGINEER'S SEAL</div> <div></div> <div>8/18/15</div> <div>DAVID SOULE P.E. #14522</div>	PARKING LOT FOR 6TH ST AND FRUIT AVE.	DRAWN BY DEM
		DATE 7-15-15
	GRADING AND DRAINAGE PLAN	FRUIT-6TH SLAB, PAVING
<div>Rio Grande Engineering 1006 CENTRAL AVENUE SUITE 201 ALBUQUERQUE, NM 87106 (505) 878-0086</div>		SHEET # 2 of 3
		JOB # XXXXX



- LANDSCAPE LEGEND
- TURPENTINE BUSH
 - CHAMAEBATIARIA MILLEFOLIUM (FERN BUSH)
 - TEXAS RED YUCCA
 - RUSCHIA PULVINARIS
 - DESERT WILLOW

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<div>ENGINEER'S SEAL</div> <div></div> <div>8/18/15</div> <div>DAVID SOULE P.E. #14522</div>	PARKING LOT FOR 6TH ST AND FRUIT AVE.	DRAWN BY DEM
		DATE 7-15-15
	LANDSCAPE PLAN	FRUIT-6TH SCALA_Plan.dwg
	<i>Rio Grande Engineering</i> 1006 CENTRAL AVENUE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0060	SHEET # 3 of 3
		JOB # XXXXX

Weighted E Method

FRUIT PARKING LOT REPAVE

Existing Developed Basins

Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		100-Year, 6-hr.		
			%	(acres)	%	(acres)	%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
EXISTING	17026	0.391	0%	0	0.0%	0.000	0.0%	0	100%	0.391	2.120	0.069	1.84
PROPOSED	17026	0.391	0%	0	0.0%	0.000	15.0%	0.05863	85%	0.332	1.972	0.064	1.75
HARVEST AREAS RETAINED	2557	0.059	0%	0	0.0%	0.038	100.0%	0.0587	0%	0.019	2.321	0.011	0.36

ALLOWABLE DISCHARGE

1.07

Equations:

ACTUAL DISCHARGE

1.39

Weighted E = $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$ / (Total Area)

Volume = Weighted D * Total Area

FIRST FLUSH VOLUME= 410 CF

VOLUME PROVIDED 730 CF

Flow = $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

Where for 100-year, 6-hour storm (zone 2)

$E_a = 0.53$

$Q_a = 1.57$

$E_b = 0.78$

$Q_b = 2.28$

$E_c = 1.13$

$Q_c = 3.14$

$E_d = 2.12$

$Q_d = 4.7$

NARRATIVE

THIS IS A REPAVING/ REPAIRE AN EXISTING INFILL LOT. THIS LOT WAS FULLY DEVELOPED IN THE PAST, BUT THE PAVMENT HAS BEEN DESINTIGRATED AND IS HARD PACKED TYPE D LAND TREATEMENT. WE ARE PROPOSING 730 CUBIC FEET OF FIRST FLUSH VOLUMES AND 15% DEPRESSED LANDSCAPE AREAS. THE IMPROVEMENTS WILL REDUCE DISCHARGE TO LESS THAN EXISTING, AND .32 CFS HIGHER THAN THE 2.75 CFS PER ACRE SPECIFIED IN THE NORTH VALLEY, SINCE THIS A REPAVE OF AN EXISTING PARKING FEEL A REDUCTION FROM HISTORICAL IS APPROPRIATE

CITY OF ALBUQUERQUE



August 24, 2015

David Soule, P.E.
Rio Grande Engineering
PO Box 93924
Albuquerque, New Mexico 87199

RE: **Fruit Parking Lot**
605 6th St NW
Grading and Drainage Plan
Engineers Stamp Date 8/18/15 (J14D177)

Dear Mr. Soule,

Based upon the information provided in your submittal received 8/2/15, this plan is approved for Grading Permit and Paving Permit.

Please attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology.

Prior to release of this site an As-build plan will be required with an Engineer Certification showing the new bottom of pond elevation.

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

If you have any questions, please contact me at 924-3695 or Rudy Rael at 924-3977.

Sincerely,

Rita Harmon, P.E.
Senior Engineer, Albuquerque
Planning Department

RR/RH
C: File