City of Albuquerque

Planning Department
Development & Building Services Division
DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(REV 02/2013)

Project Title: American Toyota   Building Permit #: _____   City Drainage #: C18d012

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

Legal Description: Tracts A1 and B-1, American Toyota and lots 15-18 tract a unit b NAA

City Address: 5995 Alameda NE

Engineering Firm: RIO GRANDE ENGINEERING   Contact: DAVID SOULE

Address: PO BOX 93924, ALBUQUERQUE, NM 87199

Phone#: 505.321.9099   Fax#: 505.872.0999   E-mail: DAVID@RIOGRANDEENGINEERING.COM

Owner: miller family group   Contact: _____

Address: _____

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

Architect: john mahony   Contact: _____

Address: _____

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

Surveyor: CONSTRUCTION SURVEY INCORPORATED   Contact: JOHN GALLEGOS

Address: _____

Phone#: 917.8921   Fax#: _____   E-mail: _____

Contractor: _____   Contact: _____

Address: _____

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

TYPE OF SUBMITTAL:
- ____ DRAINAGE REPORT
- ____ DRAINAGE PLAN 1st SUBMITTAL
- XX 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
- x S. DEV. FOR BLDG. PERMIT APPROVAL
- ____ SECTOR PLAN APPROVAL
- ____ FINAL PLAT APPROVAL
- ____ CERTIFICATE OF OCCUPANCY (PERM)
- ____ CERTIFICATE OF OCCUPANCY (TCL TEMP)
- ____ FOUNDATION PERMIT APPROVAL
- X BUILDING PERMIT APPROVAL
- x GRADING PERMIT APPROVAL   ____ SO-19 APPROVAL
- ____ PAVING PERMIT APPROVAL   ____ ESC PERMIT APPROVAL
- ____ WORK ORDER APPROVAL   ____ ESC CERT. ACCEPTANCE
- ____ GRADING CERTIFICATION   ____ OTHER (SPECIFY)

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

DATE SUBMITTED: 3/17/15   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 followin
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

June 3, 2015

Ms. Rita Harmon
Hydrology Department
Public Works Department
City of Albuquerque

RE: Revised Grading Plan (C18-D012)
      HLP Endodontics
      Albuquerque, New Mexico

Dear Ms. Harmon:

        The purpose of this letter is to accompany the enclosed revised grading plan for the referenced project. The grading plan for this site has been revised to address your written comments dated 3/20/15. The following is a summary of your comment and the narrative as to how we addressed

1. Proposed runoff limited to 25 cfs
    The grading plan as approved for site plan approval shows 25.5 cfs. The addition of the 3200 cubic feet of additional water quality tanks at the out falls will reduce the flow to below 25 cfs

2. Add first flush capture at outfalls 2,3,4
    We have added 1600 cubic feet harvest chambers at each outfall. The water harvest from this site contains all the work area and exceeds the required volume.

3. Detail how first flush mechanism works
    We have and inlet and holding tank just before the outfall. The inlet captures all the flow until the tanks are filled then the water passes over inlet to outfall

        Should you have any questions regarding this matter, please do not hesitate to call me.

                                    Sincerely,

                                    David Soule, PE
                                    RIO GRANDE ENGINEERING
                                    PO Box 93924
                                    ALBUQUERQUE, NM 87199
                                    321-9099

Enclosures

CITY OF ALBUQUERQUE
PLANNING DEPARTMENT – Development Review Services

March 20, 2015

David Soule. P.E.
Rio Grande Engineering
P.O. Box 93924
Albuquerque, NM 87199

Richard J. Berry, Mayor

RE: American Toyota (File: C18D012)
**   Drainage Report, Engineer's Stamp Date 3-16-15**
**   Grading and Drainage Plan, Engineer's Stamp Date 3-17-15**

Dear Mr. Soule:

Based upon the information provided in your submittal received 3-18-15, the above referenced submittal is approved for action by the DRB on the Site Plan for for Building Permit with the following condition(s):

PO Box 1293

1.   The proposed runoff to the Alameda Storm Drain is limited to 25 cfs. This is based on trying to reconcile the difference between the existing runoff of 33 cfs and the allowed runoff of 16 cfs from SAD #201(though this site is not a part of the hydrology report).
2.   The "first flush" needs to be captured at Outfalls 2,3, and 4.
3.   Details showing how the "first flush" mechanism will work need to be shown prior to approval for Building Permit.

Albuquerque

If you have any questions, you can contact me at 924-3695.

New Mexico 8˜103

Sincerely,

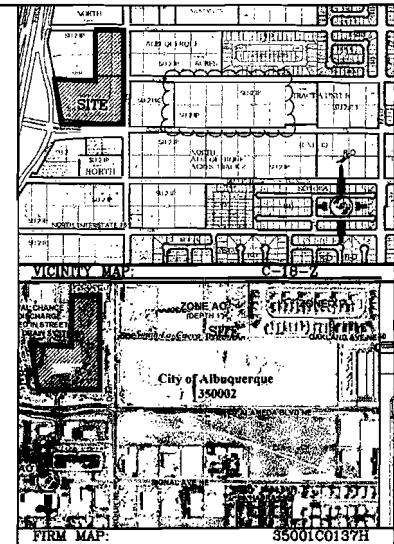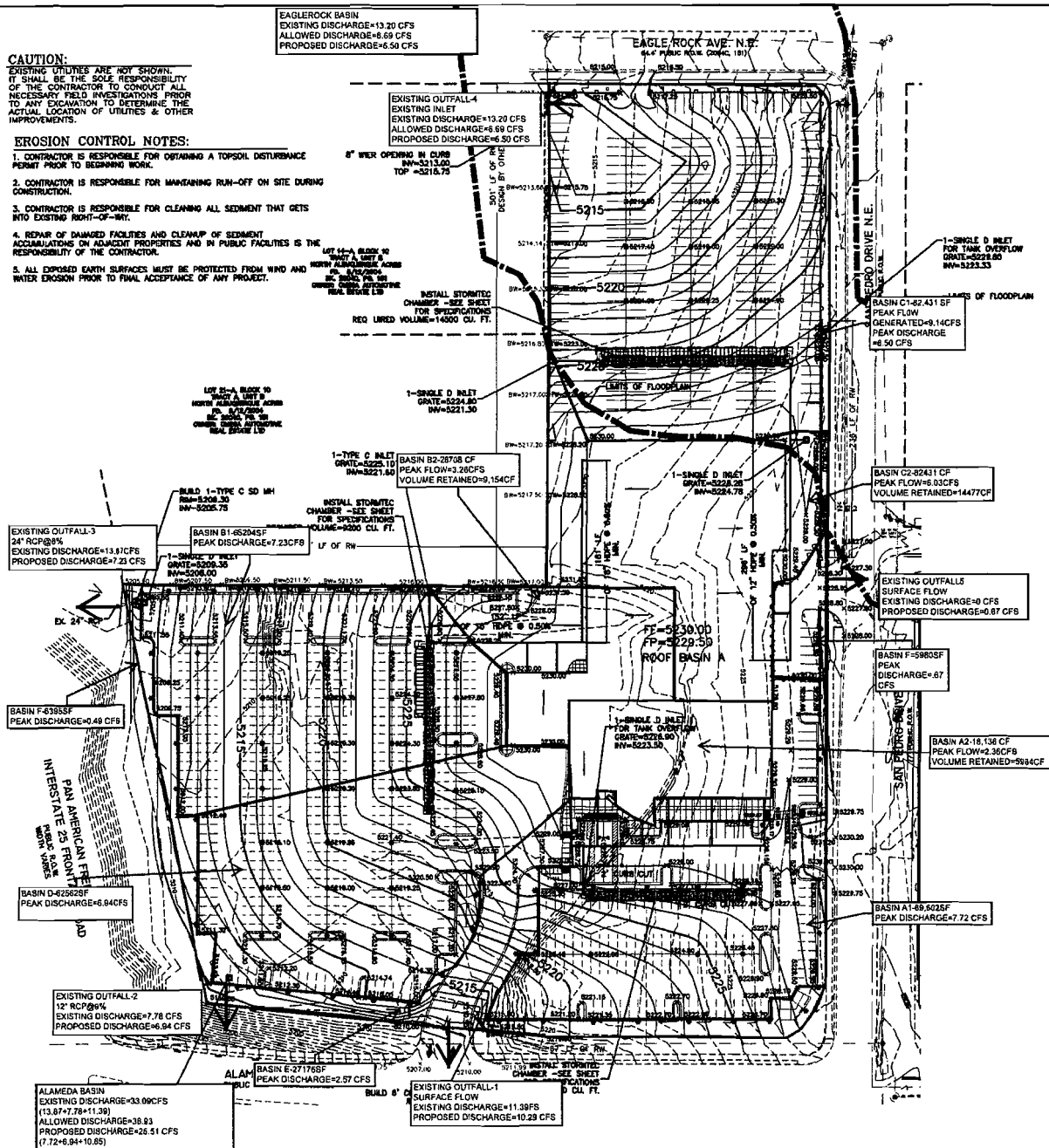Rita Harmon, P.E.
Senior Engineer, Planning Dept.
Development Review Services

www.cabq.gov

Orig: Drainage file
c.pdf: via Email: Recipient, Monica Ortiz

C18D012_SPBP_Appr.doc

Albuquerque - Making History 1706-2006

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.

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.

EAGLE ROCK AVE. N.E.

PAN AMERICAN FREEWAY INTERSTATE 25 FRONTAGE ROAD

EAGLEROCK BASIN
EXISTING DISCHARGE=13.20 CFS
ALLOWED DISCHARGE=6.69 CFS
PROPOSED DISCHARGE=6.50 CFS

EXISTING OUTFALL-4
EXISTING INLET
EXISTING DISCHARGE=13.20 CFS
ALLOWED DISCHARGE=6.69 CFS
PROPOSED DISCHARGE=6.50 CFS

BASIN C1-82,431 SF
PEAK FLOW
GENERATED=9.14CFS
PEAK DISCHARGE
=6.50 CFS

BASIN C2-82431 CF
PEAK FLOW=6.03CFS
VOLUME RETAINED=14477CF

BASIN B2-28708 CF
PEAK FLOW=3.26CFS
VOLUME RETAINED=9,154CF

BASIN B1-65204SF
PEAK DISCHARGE=7.23CFS

EXISTING OUTFALL-3
24" RCP@8%
EXISTING DISCHARGE=13.67CFS
PROPOSED DISCHARGE=7.23 CFS

EXISTING OUTFALL5
SURFACE FLOW
EXISTING DISCHARGE=0 CFS
PROPOSED DISCHARGE=0.87 CFS

BASIN F-5980SF
PEAK DISCHARGE=.67 CFS

BASIN F-6395SF
PEAK DISCHARGE=0.49 CFS

BASIN A2-16,136 CF
PEAK FLOW=2.36CFS
VOLUME RETAINED=5984CF

BASIN D-62562SF
PEAK DISCHARGE=6.94CFS

BASIN A1-69,602SF
PEAK DISCHARGE=7.72 CFS

EXISTING OUTFALL-2
12" RCP@6%
EXISTING DISCHARGE=7.78 CFS
PROPOSED DISCHARGE=6.94 CFS

BASIN E-27176SF
PEAK DISCHARGE=2.57 CFS

EXISTING OUTFALL-1
SURFACE FLOW
EXISTING DISCHARGE=11.39FS
PROPOSED DISCHARGE=10.29 CFS

ALAMEDA BASIN
EXISTING DISCHARGE=33.09CFS
(13.67+7.78+11.39)
ALLOWED DISCHARGE=38.93
PROPOSED DISCHARGE=25.51 CFS
(7.72+6.94+10.85)

FF=5230.00
FP=5229.50
ROOF BASIN A

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

2. ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE NOTED.

3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.

4. ALL LANDSCAPE MEDIANS WILL BE DEPRESSED 6" FROM FLOW LINE AND 1' CURB OPENING PROVIDED ON THE HIGH SIDE, FOR WATER QUALITY.

LEGAL DESCRIPTION:

VICINITY MAP: C-18-Z

FIRM MAP: 3500IC0137H

LEGEND

—5414—	EXISTING CONTOUR
—5415—	EXISTING INDEX CONTOUR
—5414—	PROPOSED CONTOUR
—5415—	PROPOSED INDEX CONTOUR
►	SLOPE TIE
X 4048.25	EXISTING SPOT ELEVATION
X 4048.25	PROPOSED SPOT ELEVATION
	BOUNDARY
	CENTERLINE
	RIGHT-OF-WAY
	PROPOSED CURB AND GUTTER
	EXISTING CURB AND GUTTER
	PROPOSED SIDEWALK
	PROPOSED SETBACK
	PROPOSED LOT LINE
	PROPOSED SCREEN WALL
	PROPOSED RETAINING WALL
	LIMITS OF FLOODPLAIN

GRAPHIC SCALE
50 25 0 25 50
SCALE: 1"=50'

ROUGH GRADING APPROVAL   DATE

ENGINEER'S SEAL

AMERICAN TOYOTA

DRAWN BY: WCMU

DATE: 3-17-15

PROPOSED BASIN MAP

Rio Grande Engineering
1806 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106

DAVID SOULE
P.E. #14522

SHEET 1

JOB # 21403

Weighted E Method
AMERICAN TOYOTA
OUTFALL #1

PROPOSED Developed Basins

Basin	Area (sf)	Area (acres)	Treatment A %	(acres)	Treatment B %	(acres)	Treatment C %	(acres)	Treatment D %	(acres)	100-Year, 6-hr. Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	10-DAY Volume (ac-ft)
BASIN A1	69602	1.598	0%	0	4.0%	0.064	6.0%	0.09587	90%	1.438	2.238	0.298	7.72	0.490
BASIN A2	18136	0.416	0%	0	0.0%	0.000	0.0%	0	100%	0.416	2.360	0.082	2.09	0.137
BASIN E	27176	0.624	0%	0	0.0%	0.000	0.0%	0	100%	0.624	2.360	0.123	3.13	0.206

WATER QUALITY   2288.704

RESULTANT DISCHARGE   10.85 CFS

EXISTING   11.39 CFS

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm (zone 3)

Ea= 0.66	Qa= 1.87
Eb= 0.92	Qb= 2.6
Ec= 1.29	Qc= 3.45
Ed= 2.36	Qd= 5.02

STORAGE PROVIDED   6000 CF   0.137741047
STORAGE REQUIRED   5984.88
FIRST FLUSH   2288.704
TOTAL FIRST FLUSH PROVIDED   6000 UPPER
                                                          1600 LOWER
                                                          7600 TOTAL

Weighted E Method
AMERICAN TOYOTA
OUTFALL#2

PROPOSED Developed Basins

Basin	Area (sf)	Area (acres)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	100-Year, 6-hr. Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	10-day Volume (ac-ft)
BASIN D	62562	1.436	0%	0	4.0%	0.057	6.0%	0.08617	90%	1.293	2.238	0.268	6.94	0.440

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm (zone 3)

Ea=	0.66	Qa=	1.87
Eb=	0.92	Qb=	2.6
Ec=	1.29	Qc=	3.45
Ed=	2.36	Qd=	5.02

RESULTANT DISCHARGE	6.94 CFS
EXISTING	7.78 CFS
FIRST FLUSH	1591.668624
FIRST FLUSH PROVIDED	1600

Weighted E Method
AMERICAN TOYOTA
OUTFALL 3

PROPOSED Developed Basins

Basin	Area (sf)	Area (acres)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	100-Year, 6-hr. Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	10-day Volume (ac-ft)
BASIN B1	65204	1.497	0%	0	4.0%	0.060	6.0%	0.08981	90%	1.347	2.238	0.279	7.23	0.459
BASIN B2	28708	0.659	0%	0	0.0%	0.000	5.0%	0.03295	95%	0.626	2.307	0.127	3.26	0.210

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm (zone 3)

Ea= 0.66	Qa= 1.87	
Eb= 0.92	Qb= 2.6	
Ec= 1.29	Qc= 3.45	
Ed= 2.36	Qd= 5.02	

RESULTANT DISCHARGE   7.23 CFS
EXISTING   13.87 CFS

STORAGE PROVIDED   9200 CF
STORAGE REQUIRED   9154.2635 CF
FIRST FLUSH   2435.42567 CF
FIRST FLUSH PROVIDED

9200 UPPER
1600 LOWER
10800 TOTAL

Weighted E Method

AMERICAN TOYOTA
OUTFALL 4

PROPOSED Developed Basins

Basin	Area (sf)	Area (acres)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	100-Year, 6-hr. Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	24 hour Volume (ac-ft)
BASIN C	82431	1.892	0%	0	4.0%	0.076	6.0%	0.11354	90%	1.703	2.238	0.353	9.14	0.489
BASIN C1	52325	1.201	0%	0	0.0%	0.000	0.0%	0	100%	1.201	2.360	0.236	6.03	0.332
WATER QUALITY	2101.9905	1.8923554												

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm (zone 3)

Ea= 0.66	Qa= 1.87
Eb= 0.92	Qb= 2.6
Ec= 1.29	Qc= 3.45
Ed= 2.36	Qd= 5.02

DIRECT DISI DISCHARGE 9.14 CFS
EXISTING 13.22 CFS
ALLOWED 6.69
ROUTED DISCHARGE 6.5

STORAGE PROVIDED 10000CF 0.229568411
STORAGE REQUIRED 14476.5833 CF
FIRST FLUSH(total) 3584.53217 CF
TOTAL FIRST FLUSH PROVIDED

10000 UPPER
1600 LOWER
11600 TOTAL

Weighted E Method

AMERICAN TOYOTA
OUTFALL 5

PROPOSED Developed Basins

Basin	Area (sf)	Area (acres)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	100-Year, 6-hr. Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	24 hour Volume (ac-ft)
BASIN G	5985	0.137	0%	0	0.0%	0.000	10.0%	0.01374	90%	0.124	2.253	0.026	0.67	0.036
WATER QUALITY	152.6175	0.1373967												

Equations:

DIRECT DISr DISCHARGE   0.67 CFS
EXISTING   0.00 CFS

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm (zone 3)

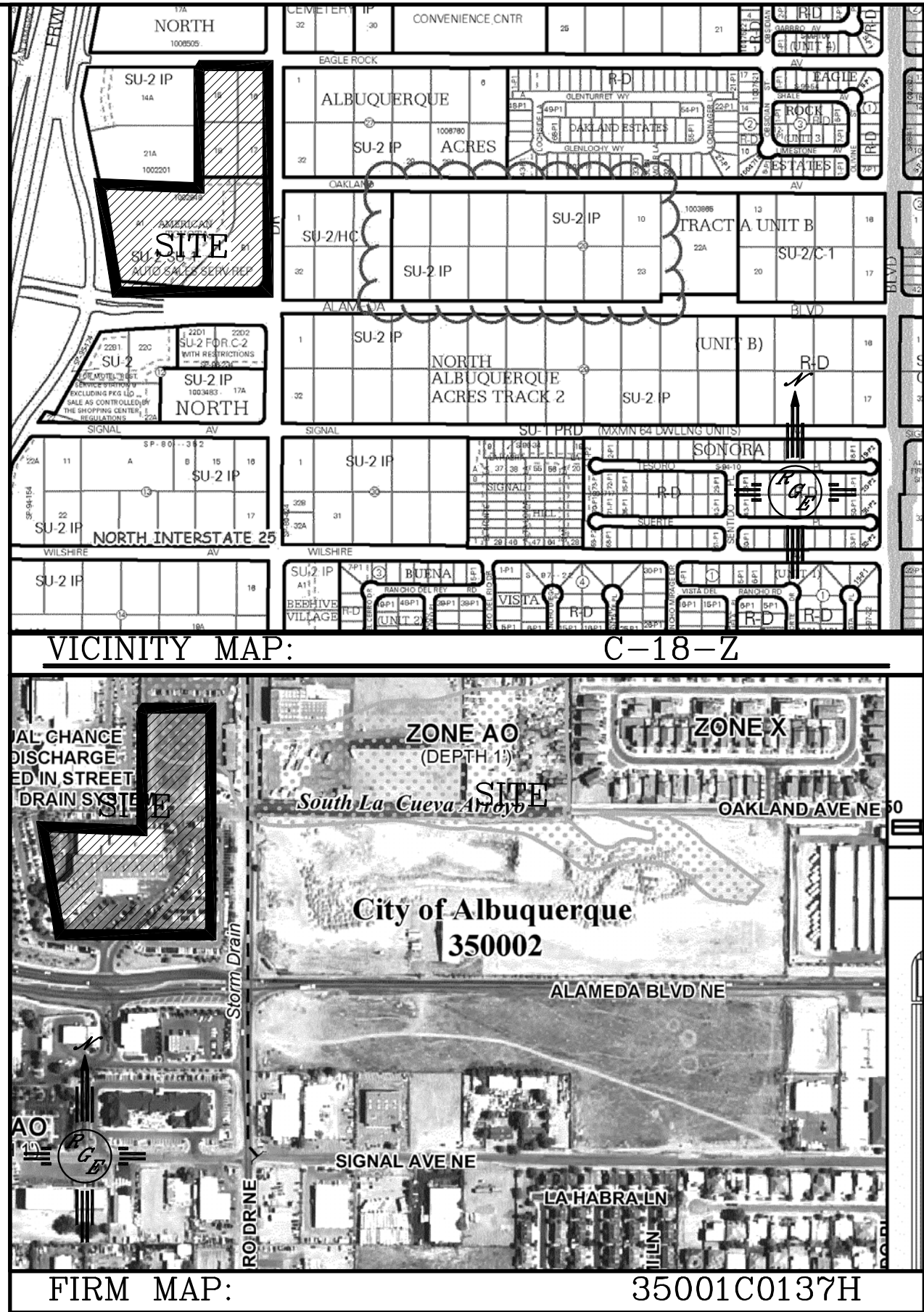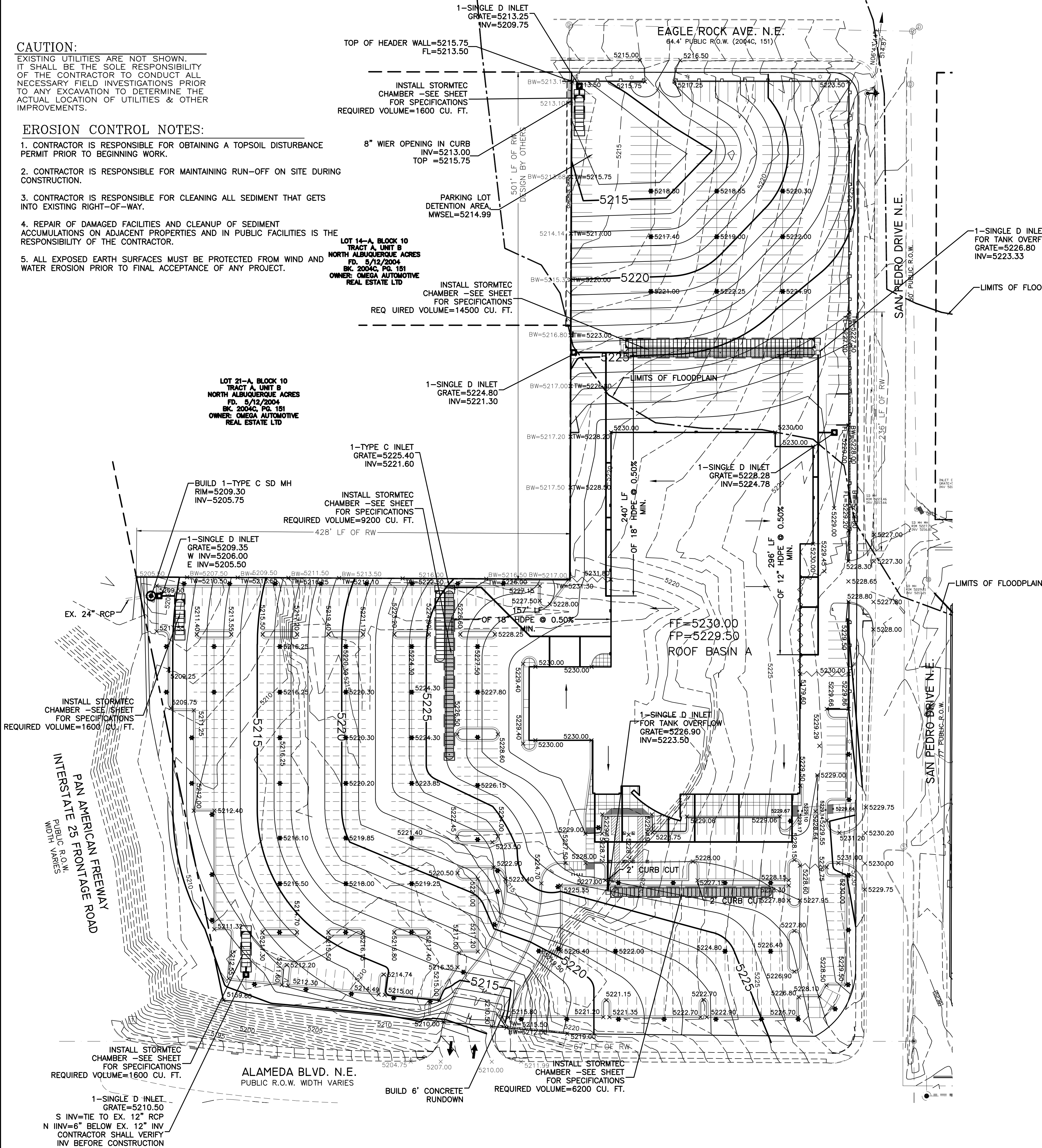|	
Ea= 0.66	Qa= 1.87
Eb= 0.92	Qb= 2.6
Ec= 1.29	Qc= 3.45
Ed= 2.36	Qd= 5.02

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TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

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.

EAGLE ROCK AVE. N.E.
64.4' PUBLIC R.O.W. (2004C, 151)

1-SINGLE D INLET
GRATE=5213.25
INV=5209.75

TOP OF HEADER WALL=5215.75
FL=5213.50

INSTALL STORMTEC
CHAMBER -SEE SHEET
FOR SPECIFICATIONS
REQUIRED VOLUME=1600 CU. FT.

8" WIER OPENING IN CURB
INV=5213.00
TOP =5215.75

PARKING LOT
DETENTION AREA
MWSEL=5214.99

LOT 14-A, BLOCK 10
TRACT A, UNIT B
NORTH ALBUQUERQUE ACRES
FD. 5/12/2004
BK. 2004C, PG. 151
OWNER: OMEGA AUTOMOTIVE
REAL ESTATE LTD

INSTALL STORMTEC
CHAMBER -SEE SHEET
FOR SPECIFICATIONS
REQUIRED VOLUME=14500 CU. FT.

LOT 21-A, BLOCK 10
TRACT A, UNIT B
NORTH ALBUQUERQUE ACRES
FD. 5/12/2004
BK. 2004C, PG. 151
OWNER: OMEGA AUTOMOTIVE
REAL ESTATE LTD

1-SINGLE D INLET
GRATE=5224.80
INV=5221.30

1-TYPE C INLET
GRATE=5225.40
INV=5221.60

BUILD 1-TYPE C SD MH
RIM=5209.30
INV=5205.75

INSTALL STORMTEC
CHAMBER -SEE SHEET
FOR SPECIFICATIONS
REQUIRED VOLUME=9200 CU. FT.

1-SINGLE D INLET
GRATE=5209.35
W INV=5206.00
E INV=5205.50

EX. 24" RCP

INSTALL STORMTEC
CHAMBER -SEE SHEET
FOR SPECIFICATIONS
REQUIRED VOLUME=1600 CU. FT.

1-SINGLE D INLET
FOR TANK OVERFLOW
GRATE=5226.80
INV=5223.33

LIMITS OF FLOODPLAIN

LIMITS OF FLOODPLAIN

1-SINGLE D INLET
GRATE=5228.28
INV=5224.78

LIMITS OF FLOODPLAIN

FF=5230.00
FP=5229.50
ROOF BASIN A

1-SINGLE D INLET
FOR TANK OVERFLOW
GRATE=5226.90
INV=5223.50

2' CURB CUT

2' CURB CUT

SAN PEDRO DRIVE N.E.

PAN AMERICAN FREEWAY
INTERSTATE 25 FRONTAGE ROAD
PUBLIC R.O.W. WIDTH VARIES

INSTALL STORMTEC
CHAMBER -SEE SHEET
FOR SPECIFICATIONS
REQUIRED VOLUME=1600 CU. FT.

1-SINGLE D INLET
GRATE=5210.50
S INV=TIE TO EX. 12" RCP
N INV=6" BELOW EX. 12" RCP
CONTRACTOR SHALL VERIFY
INV BEFORE CONSTRUCTION

ALAMEDA BLVD. N.E.
PUBLIC R.O.W. WIDTH VARIES

INSTALL STORMTEC
CHAMBER -SEE SHEET
FOR SPECIFICATIONS
REQUIRED VOLUME=6200 CU. FT.

BUILD 6' CONCRETE
RUNDOWN

VICINITY MAP: C-18-Z

FIRM MAP: 35001C0137H

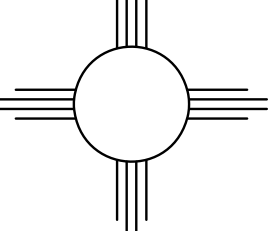**LEGAL DESCRIPTION:**

NOTES:

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

2. ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE
NOTED.

3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.

4. ALL LANDSCAPE MEDIANS WILL BE DEPRESSED 8" FROM FLOW LINE AND 1'
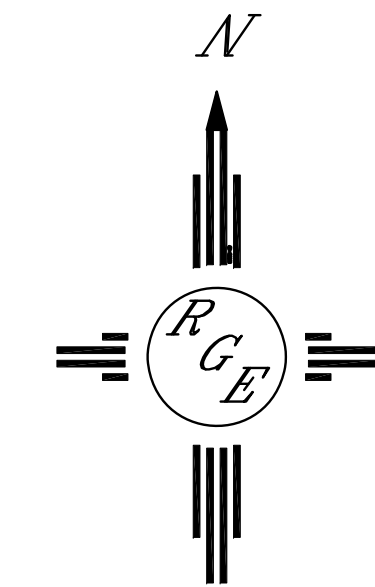CURB OPENING PROVIDED ON THE HIGH SIDE, FOR WATER QUALTIY.

LEGEND

—5414—	EXISTING CONTOUR
—5415—	EXISTING INDEX CONTOUR
—5414—	PROPOSED CONTOUR
—5415—	PROPOSED INDEX CONTOUR
▶	SLOPE TIE
X 4048.25	EXISTING SPOT ELEVATION
X 4048.25	PROPOSED SPOT ELEVATION
	BOUNDARY
	CENTERLINE
	RIGHT-OF-WAY
	PROPOSED CURB AND GUTTER
	EXISTING CURB AND GUTTER
	PROPOSED SIDEWALK
	PROPOSED SETBACK
	PROPOSED LOT LINE
	PROPOSED SCREEN WALL
	PROPOSED RETAINING WALL
	LIMITS OF FLOODPLAIN

ROUGH GRADING APPROVAL   DATE

N

GRAPHIC SCALE

50   25   0   25   50

SCALE: 1"=50'

ENGINEER'S SEAL

DAVID SOULE
NEW MEXICO
14522
REGISTERED PROFESSIONAL ENGINEER

3/27/15

DAVID SOULE
P.E. #14522

AMERICAN TOYOTA

GRADING AND
DRAINAGE PLAN

Rio Grande
Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

DRAWN
BY WCWJ

DATE
3-27-15

21403-LAYOUT-1-25-14

SHEET #

JOB #
21403