CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director

Mayor Timothy M. Keller

July 24, 2018

Vince Carrica, P.E.
Tierra West, LLC
5571 Midway Park Place, NE
Albuquerque, NM 87109

RE: **Utility Trailer Sales**
8201 Daytona Rd NW
Grading Plan Stamp Date: 7/12/18
Drainage Report Stamp Date: 7/11/18
Hydrology File: K09D026B

Dear Mr. Carrica,

Based on the submittal received on 7/16/18, the grading plan and drainage report are approved for Building Permit.

Prior to Certificate of Occupancy (For Information):

1. Engineer's Certification, per the DPM Chapter 22.7: *Engineer's Certification Checklist For Non-Subdivision* is required.
2. The Drainage Covenant will need to be recorded with Bernalillo County and a copy included with the drainage certification.
3. Either a recorded SIA with financial guarantee or close-out of the public work order is required prior to issuing C.O.

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

DRAINAGE REPORT

For

8201 Daytona Rd.
ALBUQUERQUE, NEW MEXICO

Prepared by

Tierra West, LLC
5571 Midway Park Place NE
Albuquerque, New Mexico 87109

Prepared for

Utility Trailer Sales
Albuquerque, NM

July 11, 2018

VINCENT P. CARRICA NEW MEXICO 16212 LICENSED PROFESSIONAL ENGINEER

7-11-18

VINCENT CARRICA, PE #16212

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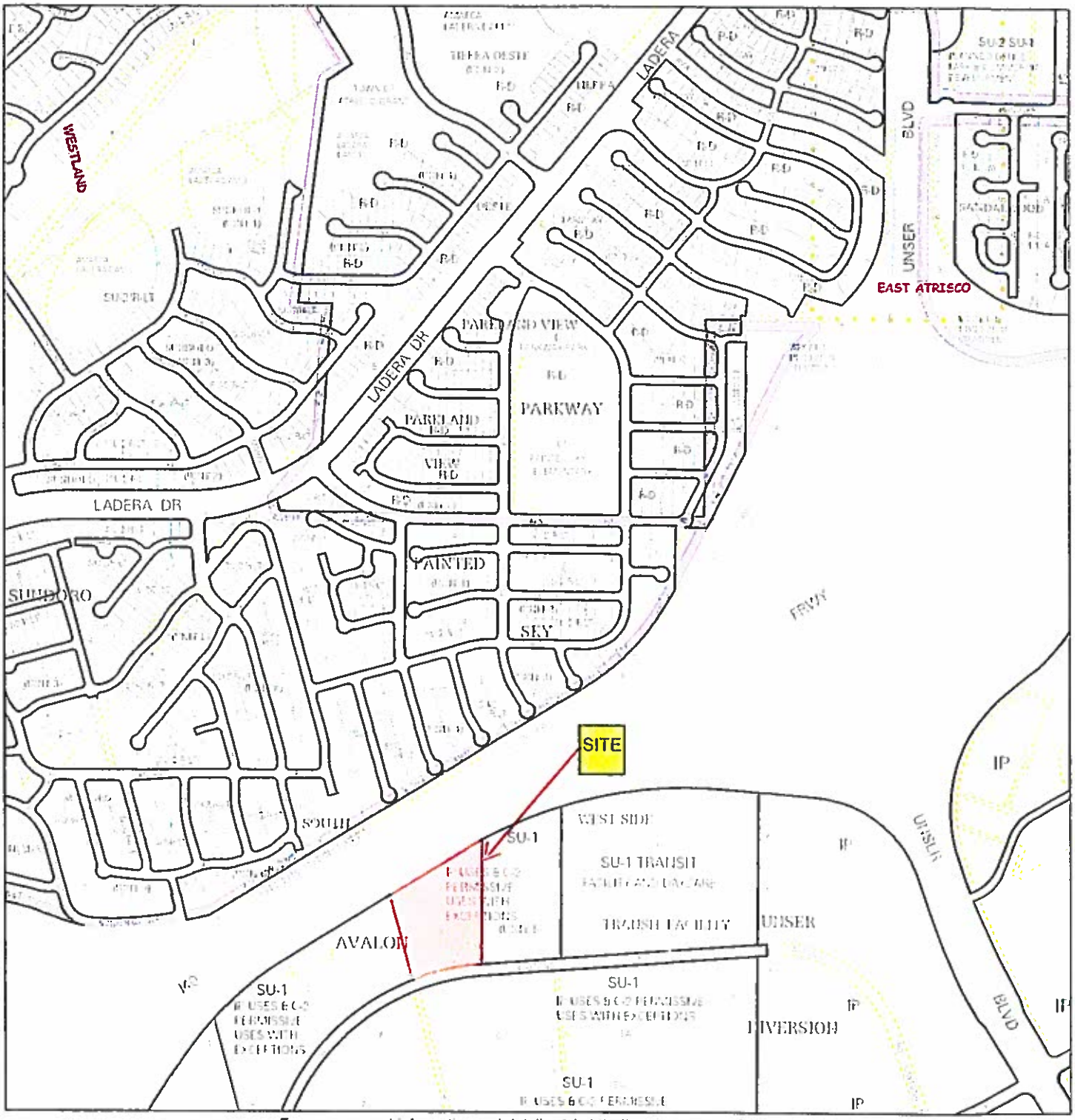
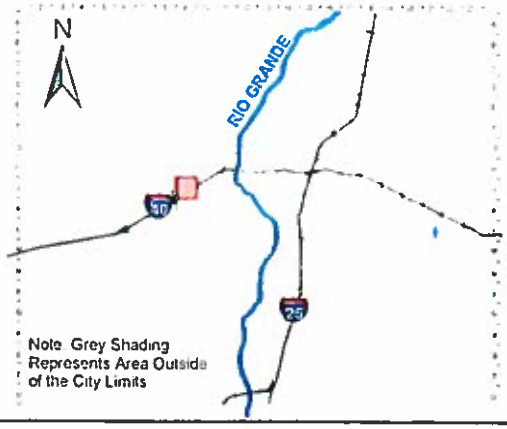


For more current information and details visit: http://www.cabq.gov/gis

Albuquerque Geographic Information System

Map amended through: 1/28/2016



Zone Atlas Page:

J-09-Z

Selected Symbols

- SECTOR PLANS
- Design Overlay Zones
- City Historic Zones
- H-1 Buffer Zone
- Petroglyph Mon.
- Escarpment
- 2 Mile Airport Zone
- Airport Noise Contours
- Wall Overlay Zone

0 750 1,500 Feet

LOCATION

The proposed commercial development is located off Daytona Rd south of Interstate 40 and west of Unser Blvd in southwest Albuquerque. It is comprised of approximately 5.52 acres zoned SU-1 for IP uses. This report represents a drainage management and grading plan for approval by the City of Albuquerque, for grading and Building Permit submittal.

DRAINAGE BASIN DESIGNATION

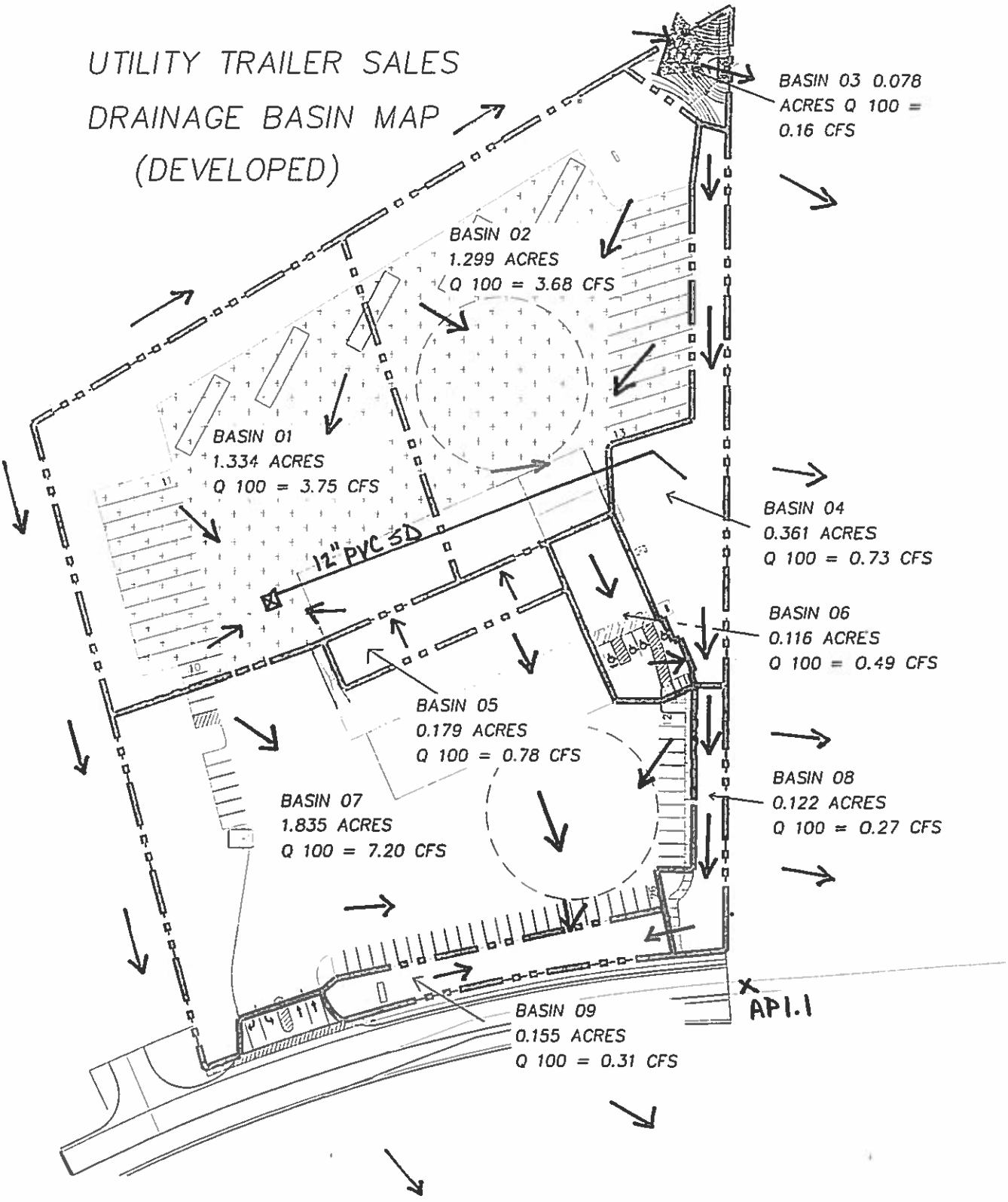
The drainage basins for proposed conditions are as indicated on the BASIN MAP included in this report. The site is broken into nine onsite drainage basins.

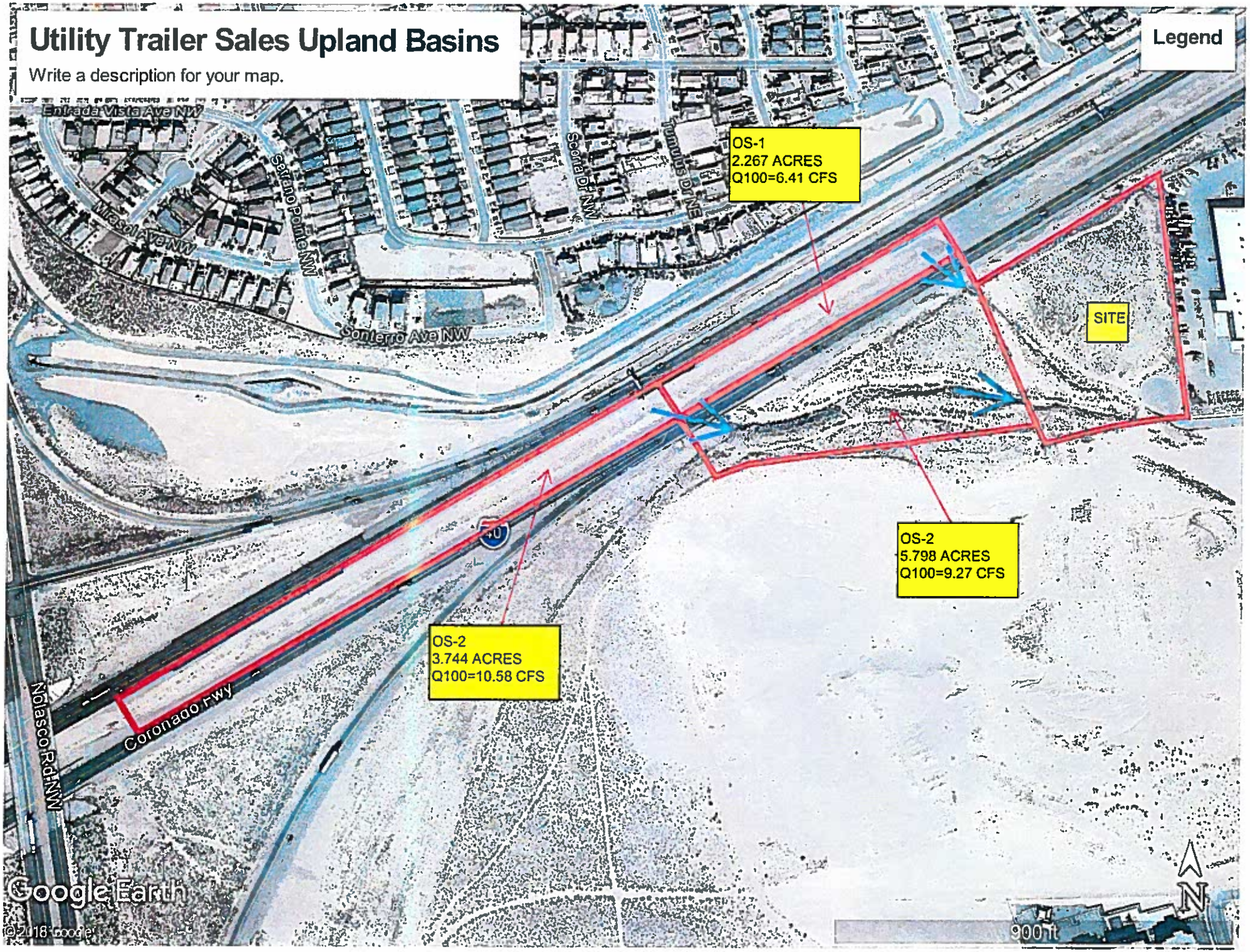
EXISTING DRAINGE CONDITIONS

The site is currently vacant with the exception of a roadway turnaround. It drains predominantly northwest to southeast and is elevated approximately eight feet above the developed property to the east. An existing drainage way and desilting pond exists in the northeast corner of the site that channels runoff from the Interstate to an existing storm drain in the adjacent property. Runoff from north of the upland is captured in the AMAFCA North I-40 Diversion system. That diversion system removes the bulk of the contributing area to the two arroyos that run diagonally through the site from northwest to south east. Runoff from the existing site is conveyed to the Unser Diversion Pond system via street flow and an existing storm drain in Daytona Rd.

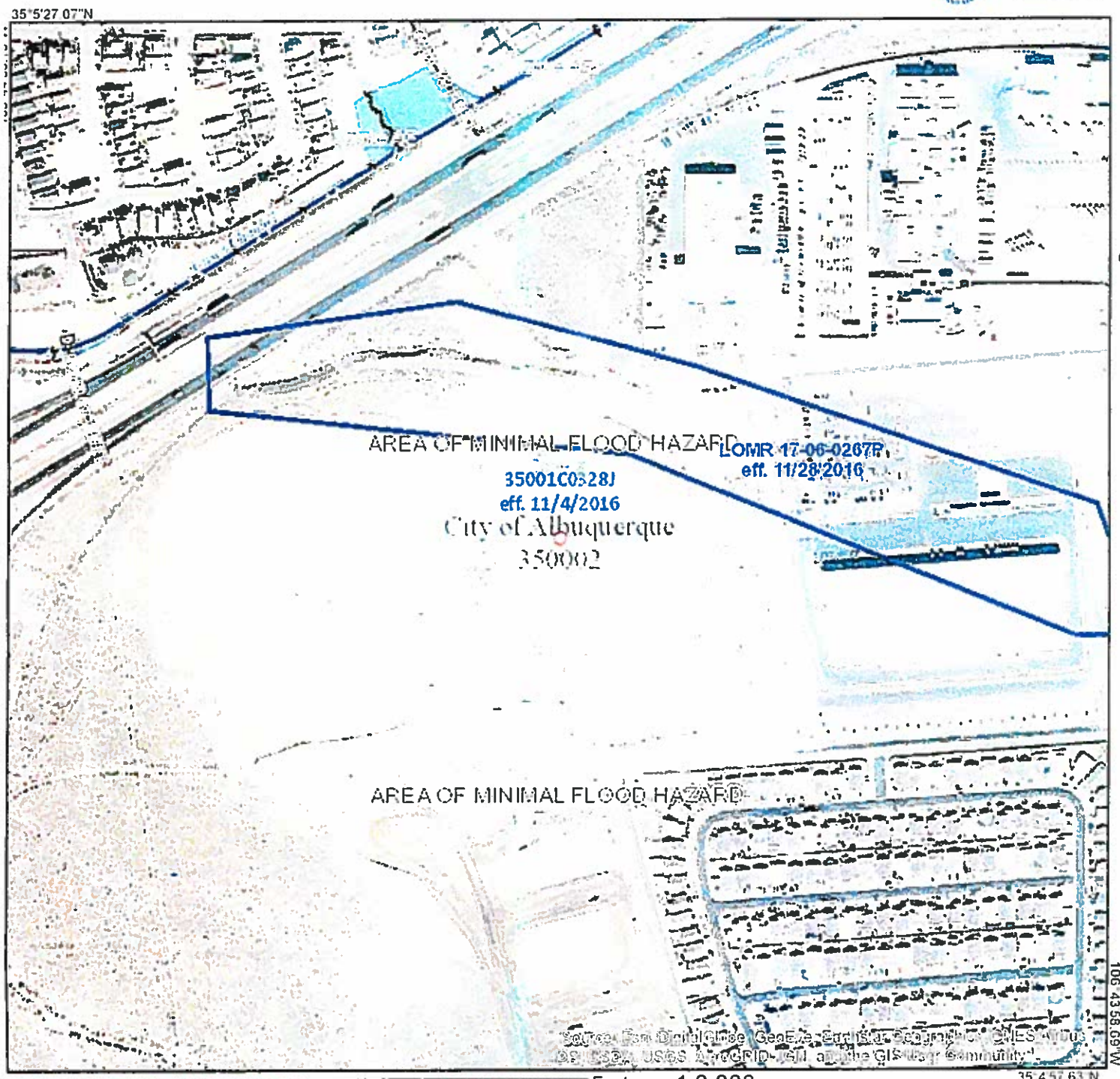
FIRM MAP

AMAFCA completed a LOMR to adjust the FEMA mapping for this area (LOMR 17-06-0267P Effective 11/28/2016). The site is no longer located in a designated Flood Hazard Zone Map No. 35001C0328J dated 11/4/2016.


UTILITY TRAILER SALES
DRAINAGE BASIN MAP
(DEVELOPED)
BASIN 03 0.078 ACRES Q 100 = 0.16 CFS
BASIN 02
1.299 ACRES
Q 100 = 3.68 CFS
BASIN 01
1.334 ACRES
Q 100 = 3.75 CFS
12" PVC SD
BASIN 04
0.361 ACRES
Q 100 = 0.73 CFS
BASIN 06
0.116 ACRES
Q 100 = 0.49 CFS
BASIN 05
0.179 ACRES
Q 100 = 0.78 CFS
BASIN 08
0.122 ACRES
Q 100 = 0.27 CFS
BASIN 07
1.835 ACRES
Q 100 = 7.20 CFS
BASIN 09
0.155 ACRES
Q 100 = 0.31 CFS
API.1


Utility Trailer Sales Upland Basins
Write a description for your map.
Legend
OS-1
2.267 ACRES
Q100=6.41 CFS
SITE
OS-2
5.798 ACRES
Q100=9.27 CFS
OS-2
3.744 ACRES
Q100=10.58 CFS
Entrada Vista Ave NW
Mirasol Ave NW
Serrano Pointe NW
Sierra Dr NW
Juniper Dr NE
Sonterro Ave NW
Coronado Hwy
Nolasco Rd NW
Google Earth
N

National Flood Hazard Layer FIRMette



FEMA

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE)
- With BFE or Depth
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Are of 1% annual chance flood with averag depth less than one foot or with draina areas of less than one square mile
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Flood Risk due to Levee. See Notes.
- Area with Flood Risk due to Levee

OTHER AREAS
- NO SCREEN: Area of Minimal Flood Hazard
- Effective LOMRs
- Area of Undetermined Flood Hazard

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5: Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The base map shown complies with FEMA's base map accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **3/27/2018 at 10:17:25 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: base map imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

DESIGN-CRITERIA

The drainage plan presented in this report was prepared in accordance with the City of Albuquerque Drainage Ordinances and Chapter 22 of the Development Process Manual DPM. The hydrological analysis is based on the 100-year frequency, 6-hour duration storm, as Represented in Section 22, Part A, Hydrology, of the Development Process Manual. The plan will also include retention of the first flush in on-site landscaped areas. See attached Weighted E Table for excess precipitation values calculated for this site.

DEVELOPED-DRAINAGE CONDITIONS

The site is proposed to be developed with a single user, Utility Trailer Sales. In coordination with the landowner to the west, a drainage swale will be constructed to intercept undeveloped upland flows to the west prior to them entering the site. Also, no offsite drainage will enter the site from the north, east and south. The site will free discharge to Daytona roadway and existing storm drain and will be conveyed to the Unser Diversion Pond system located east of the site. Flows will be conveyed through the site via surface flows and a small onsite storm drain located north of the proposed building facility. Drainage swales will then channel flows to shallow first flush retention ponds before existing the site.

Refer to enclosed Weighted E computation spreadsheet for existing and developed. Storm drain capacities are listed in a table in the appendix.

SUMMARY

The proposed grading and drainage plan for the proposed development of the existing undeveloped property includes surface flows and an onsite storm drain to convey runoff to drainage swales along the south and east property lines. The flows will be routed through first flush pond located in landscaped areas prior to the flows exiting the site to the Daytona right of way. Once in the right of way, flows will be routed to the Unser Diversion Pond system via street flow and an existing storm drain channel located in Daytona Rd. The storm drain capacity through the site and downstream of the site is sufficient to carry the ultimate developed runoff of

66.5 cfs outlined in the I-40 South and Unser Diversion Mini DMP (see attached Plate 2 from the plan).

Utility Trailer Sales

Weighted E Method

Zone #1

Developed Basins

												100-Year			10-Year			2-Year		
Basin	Area (sf)	Area (acres)	Area (sq miles)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
1	58551.00	1.344	0.00210	0%	0	27%	0.363	63%	0.846812	10%	0.134	1.002	0.112	3.75	0.461	0.052	1.93	0.150	0.017	0.64
2	56509.00	1.299	0.00203	0%	0	19%	0.247	73%	0.948514	8%	0.104	1.008	0.109	3.68	0.462	0.050	1.90	0.147	0.016	0.63
3	3401.00	0.078	0.00012	0%	0	100%	0.078	0%	0	0%	0.000	0.670	0.004	0.16	0.220	0.001	0.06	0.010	0.000	0.00
4	15746.00	0.361	0.00056	0%	0	100%	0.361	0%	0	0%	0.000	0.670	0.020	0.73	0.220	0.007	0.27	0.010	0.000	0.01
5	7780.00	0.179	0.00028	0%	0	0%	0.000	0%	0	100%	0.179	1.970	0.029	0.78	1.240	0.018	0.52	0.720	0.011	0.30
6	4910.00	0.113	0.00018	0%	0	0%	0.000	0%	0	100%	0.113	1.970	0.019	0.49	1.240	0.012	0.33	0.720	0.007	0.19
7	79924.00	1.835	0.00287	0%	0	19%	0.349	0%	0	81%	1.486	1.723	0.263	7.20	1.046	0.160	4.56	0.585	0.089	2.52
8	5311.00	0.122	0.00019	0%	0	93%	0.113	0%	0	7%	0.009	0.761	0.008	0.27	0.291	0.003	0.11	0.060	0.001	0.02
9	6550.00	0.150	0.00023	0%	0	100%	0.150	0%	0	0%	0.000	0.670	0.008	0.31	0.220	0.003	0.11	0.010	0.000	0.00
Total	238772.00	5.481	0.00856										0.573	17.37		0.305	9.79		0.141	4.31

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

Utility Trailer Sales

Pipe Capacity Check

D (in)	Slope (%)	Area (ft^2)	R	Q Provided (cfs)	Velocity (ft/s)	Q Required (cfs)
12	2	0.79	0.25	5.05	6.43	4.14
18	2	1.77	0.375	14.90	8.43	9.7
18	20.5	1.77	0.375	47.69	26.99	17.3
18	11.5	1.77	0.375	35.72	20.21	26.3
36	3.23	7.07	0.75	120.19	17.00	66.5
36	4.1	7.07	0.75	135.42	19.16	66.5
36	1.38	7.07	0.75	78.56	11.11	66.5
36	1.06	7.07	0.75	68.86	9.74	66.5

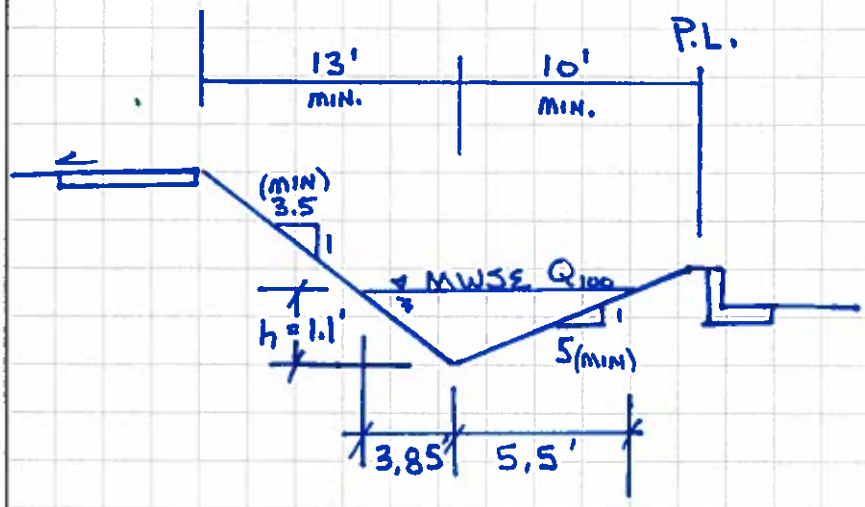
TIERRA WEST, LLC

Project UTILITY TRAILER SALES Date

Project No. JN 2017041

Meeting Purpose EAST SWALE CALC Sheet No of

Attendees



EAST SWALE CROSS SECTION

h = 1.1 ft
A = 5.14
WP = 9.61
n = .029
s = 0.0039
$Q_{CAPACITY}$ = 10.87 cfs, V = 2.1 ft/s
$Q_{REQUIRED}$ = 9.7 cfs

5571 Midway Park Place NE • Albuquerque, NM 87109 • (505) 858-3100 • (505) 858-1118 Fax • 1-800-245-3102 • twllc@tierrawestllc.com

TIERRA WEST, LLC

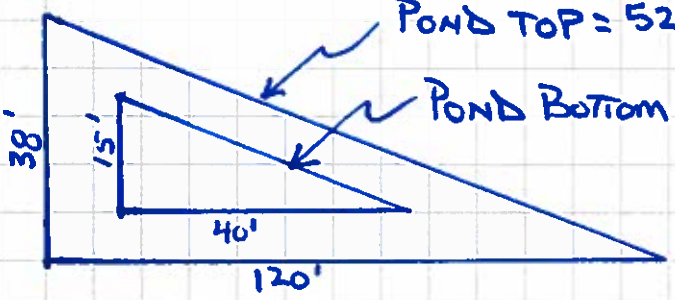
Project UTILITY TRAILER SALES Date

Project No. JN 2017041

Meeting Purpose POND (FIRST FLUSH) Sheet No of

Attendees CALCS

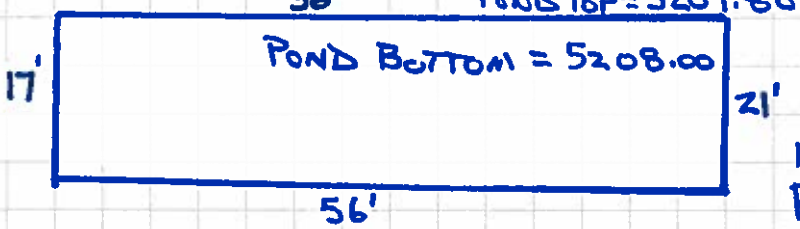
POND "A" (EAST of BUILDING)



CAPACITY
POND VOL = $\left[\frac{15(40)}{2} + \frac{120(38)}{2}\right]\frac{2}{2} = 2{,}580\,ft^3$

IMPERVIOUS AREA = 19,600sf
REQUIRED VOL = $19{,}600\left(\frac{.34}{12}\right) = 540\,ft^3$
CAP ≥ REQ ✓

POND "B" (ADJACENT TO DAYTONA RD.



CAPACITY
POND VOL = $\left(\frac{17+21}{2}\right)56\,(1.8) = 1{,}915\,ft^3$

IMPERVIOUS AREA = 67070sf
REQUIRED VOL = $67{,}000\left(\frac{.34}{12}\right) = 1{,}900\,ft^3$

CAP ≥ REQ ✓

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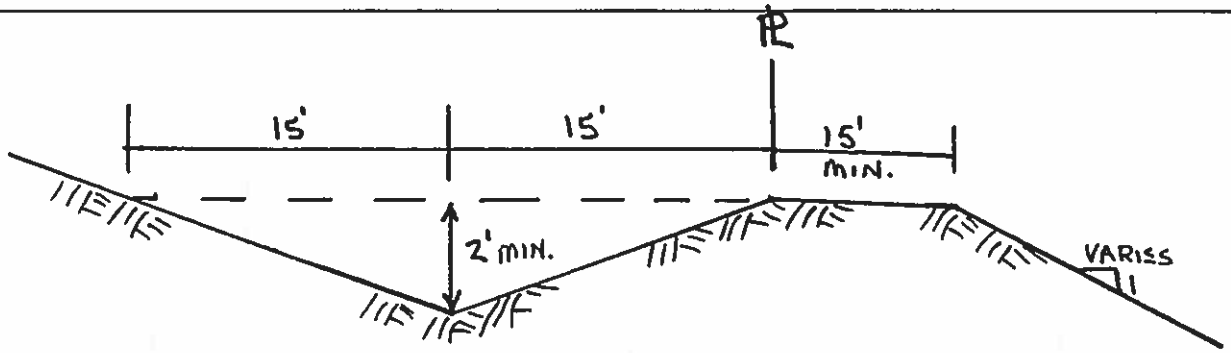
TIERRA WEST, LLC

Project UTILITY TRAILER SALES Date 5-14-18

Project No. UPLAND SWALE DIVERSION

Meeting Purpose CAPACITY CALC. Sheet No 1 of 1

Attendees



$A = 30.26 ft^2$ $K = 1.49$

$wp = 30 ft$ $n = 0.025$

$S = 0.9\%$

$$V = \frac{K}{n}\left(\frac{A}{P}\right)^{2/3} S^{1/2} = 5.62 \text{ ft/s}$$

$Q = VA = 168.6 \text{ cfs} \geq Q_{REQUIRED} = 6.41 \text{ cfs TO } 26.26 \text{ cfs}$ (VARIES)

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Worksheet for Irregular Section - 3.81%

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.03810	ft/ft
Normal Depth	0.49	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	100.67
0+00	100.00
0+02	100.13
0+20	100.48
0+38	100.13
0+40	100.00
0+40	100.67

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 100.67)	(0+40, 100.67)	0.016

Options

Current Roughness Weighted Method	Pavlovskii's Method
Open Channel Weighting Method	Pavlovskii's Method
Closed Channel Weighting Method	Pavlovskii's Method

Results

Discharge	52.41	ft^3/s
Elevation Range	100.00 to 100.67 ft	
Flow Area	8.35	ft^2
Wetted Perimeter	40.99	ft
Hydraulic Radius	0.20	ft
Top Width	40.00	ft

Worksheet for Irregular Section - 3.81%

Results

Normal Depth		0.49	ft
Critical Depth		0.66	ft
Critical Slope		0.00540	ft/ft
Velocity		6.28	ft/s
Velocity Head		0.61	ft
Specific Energy		1.10	ft
Froude Number		2.42	
Flow Type	Supercritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.49	ft
Critical Depth	0.66	ft
Channel Slope	0.03810	ft/ft
Critical Slope	0.00540	ft/ft

Worksheet for Irregular Section - Full Width

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.04050	ft/ft
Normal Depth	0.49	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	100.67
0+00	100.00
0+02	100.13
0+20	100.48
0+38	100.13
0+40	100.00
0+40	100.67

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 100.67)	(0+40, 100.67)	0.016

Options

Current Roughness Weighted Method	Pavlovskii's Method
Open Channel Weighting Method	Pavlovskii's Method
Closed Channel Weighting Method	Pavlovskii's Method

Results

Discharge	55.22	ft^3/s
Elevation Range	100.00 to 100.67 ft	
Flow Area	8.46	ft^2
Wetted Perimeter	40.99	ft
Hydraulic Radius	0.21	ft
Top Width	40.00	ft

Worksheet for Irregular Section - Full Width

Results

Normal Depth		0.49	ft
Critical Depth		0.67	ft
Critical Slope		0.00534	ft/ft
Velocity		6.53	ft/s
Velocity Head		0.66	ft
Specific Energy		1.15	ft
Froude Number		2.50	
Flow Type	Supercritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.49	ft
Critical Depth	0.67	ft
Channel Slope	0.04050	ft/ft
Critical Slope	0.00534	ft/ft

Worksheet for Irregular Section - 4.29%

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.04290	ft/ft
Normal Depth	0.49	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	100.67
0+00	100.00
0+02	100.13
0+20	100.48
0+38	100.13
0+40	100.00
0+40	100.67

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 100.67)	(0+40, 100.67)	0.016

Options

Current Roughness Weighted Method	Pavlovskii's Method
Open Channel Weighting Method	Pavlovskii's Method
Closed Channel Weighting Method	Pavlovskii's Method

Results

Discharge	55.61	ft^3/s
Elevation Range	100.00 to 100.67 ft	
Flow Area	8.35	ft^2
Wetted Perimeter	40.99	ft
Hydraulic Radius	0.20	ft
Top Width	40.00	ft

Worksheet for Irregular Section - 4.29%

Results

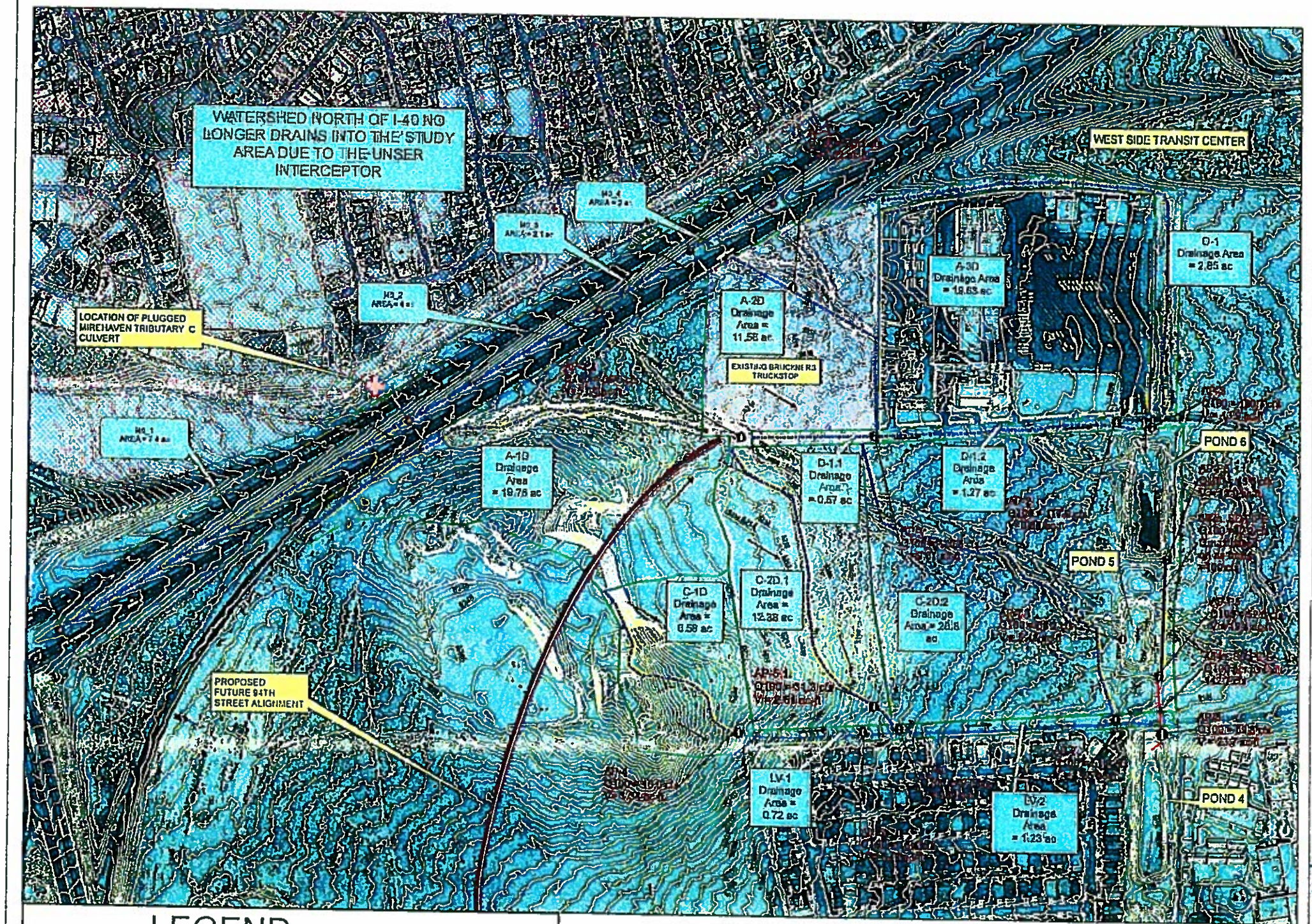
Normal Depth		0.49	ft
Critical Depth		0.67	ft
Critical Slope		0.00533	ft/ft
Velocity		6.66	ft/s
Velocity Head		0.69	ft
Specific Energy		1.18	ft
Froude Number		2.57	
Flow Type	Supercritical		

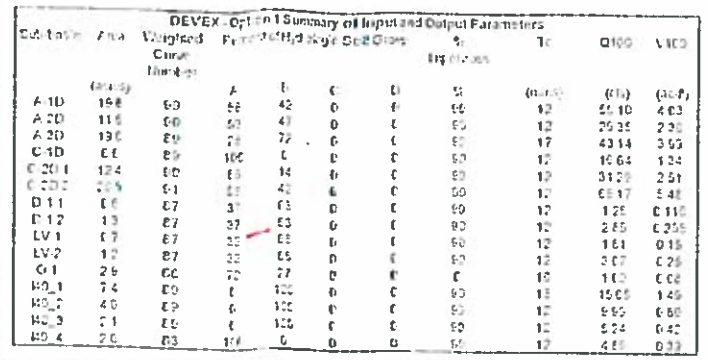
GVF Input Data

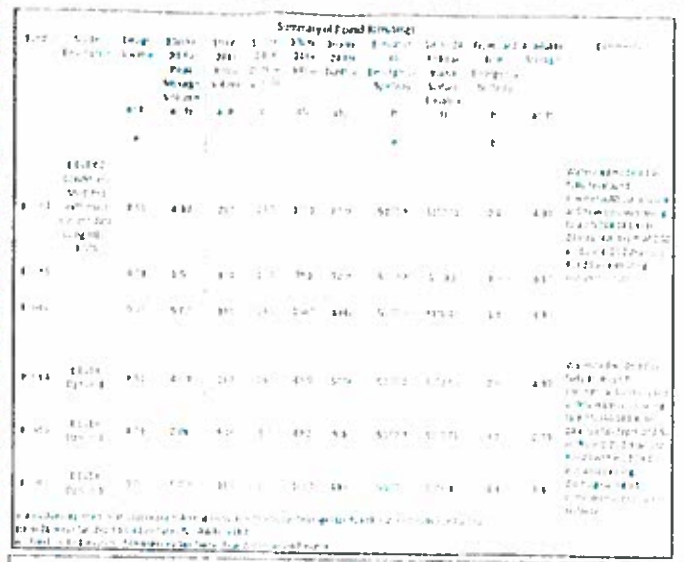
Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

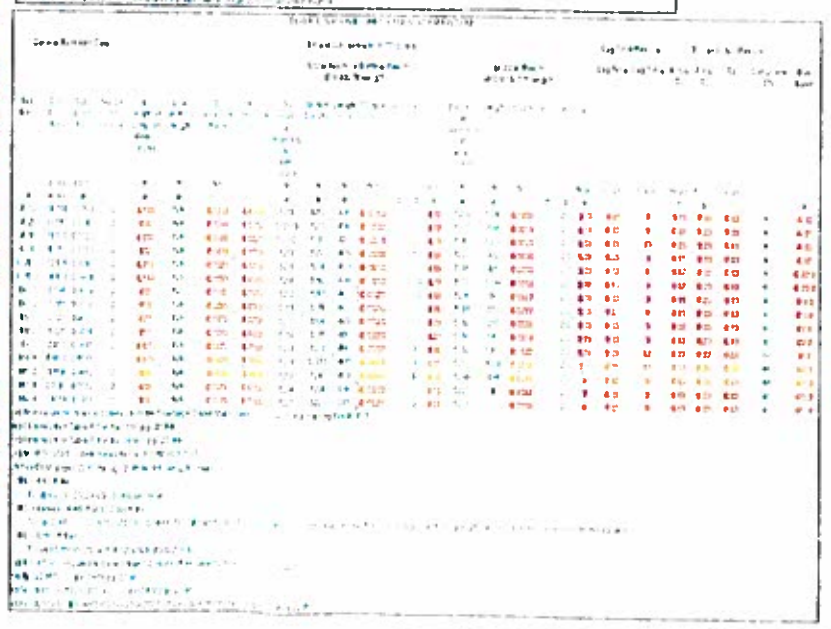
GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.49	ft
Critical Depth	0.67	ft
Channel Slope	0.04290	ft/ft
Critical Slope	0.00533	ft/ft




DEVEX - Option 1 Summary of Input and Output Parameters



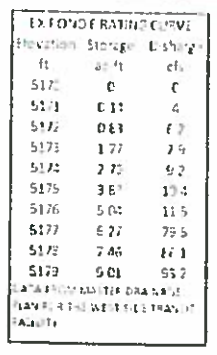


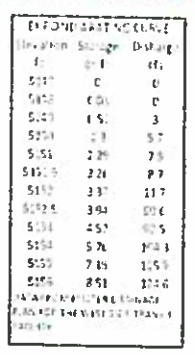
LEGEND

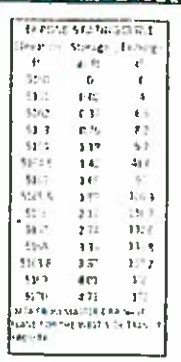
- SUBBASIN BOUNDARY
- LONGEST FLOWPATH FOR Tc
- A-2D — SUBBASIN ID
- AP-1 — ANALYSIS POINT
- FLOW DIRECTION
- I40 MEDIAN DROP INLETS

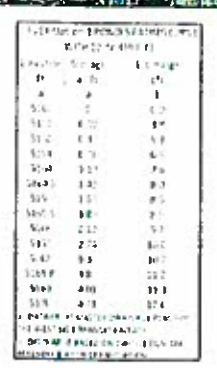
N

0 50 100 200 Feet


EX POND RATING CURVE


EX POND EAST SC CURVE

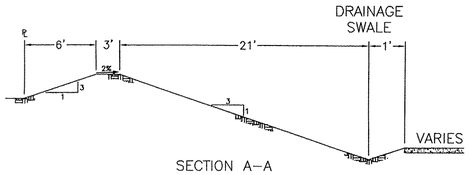




EASTERLING CONSULTANTS

I-40 SOUTH AND UNSER DIVERSION MINI DMP
PLATE 2

FINAL DEVELOPED CONDITIONS DRAINAGE BASIN MAP
JUNE, 2014



SECTION A–A

A.G.R.S. MONUMENT "REWARD"
STANDARD A.G.R.S. BRASS TABLET
(TOUND IN PLACE)
NEW MEXICO STATE PLANE COORDINATES
(CENTRAL ZONE–N.A.D. 1983)
N=1,487,324.053
E=1,491,190.616
PUBLISHED EL=5316.888 (NAVD 1988)
GROUND TO GRID FACTOR=0.999878005
DELTA ALPHA ANGLE=–01°12'25"

SITE BENCHMARK ⊕
SET CP–CHISLED "+"
N=1,488,571.239
E=1,494,618.639
ELEV=5233.259

EXISTING 30" CMP W/CONCRETE BLANKET

EXISTING EDGE OF PAVEMENT

EXISTING DRAINAGE SWALE

Interstate 40
(NMF I–40–3(320) 146)
(V.A.R.I.A. WIDTH VARIES)

PROPERTY LINE

ACCESS CONTROLLED

T.O.P.

Tract 3
AREA=5.5229 ACRES±
240,578 SQ. FT.±

"NOT A PART"

PROPERTY LINE

FIRST FLUSH PONDING (TYP.)

FIRST FLUSH POND "A"
TOP=5210.60
BOTTOM=5208.60
VOLUME=2,580ft³

12" PVC SD S=2.0%

10" PVC STORM DRAIN

FF=5218.20

TYPE "D" DROP INLET

DRAINAGE SWALE

PROPERTY LINE

TRACT 2, UNIT 2
AVALON SUBDIVISION
(05/22/2014, 2014C-046)

DRAINAGE SWALE

10'x8'x18" RIP RAP PAD (d50=9")

18" RCP S=2.0%

FIRST FLUSH POND "B"
TOP=5209.80
BOTTOM=5208.00
VOLUME=1,915ft³

POND BOTTOM 5208.00

DESILTING POND BOT=5222.00

18" RCP INV=5226.00

WATER QUALITY MH (SEE DETAIL "A" THIS SHEET)

36" RCP S=1.06%

36" RCP S=1.38%

36" RCP S=4.10%

18" RCP S=5.20%

18" RCP INV=5209.80
WATER QUALITY MH
(SEE DETAIL "B" THIS SHEET)

TRACT B–21–A, UNIT 5
TOWN OF ATRISCO GRANT
(10/30/2012, 2012C–128)

6'ø SDMH
RIM=5225.51
INV IN=5217.00(W)
INV IN=5217.00(N)
INV OUT=5216.90(E)

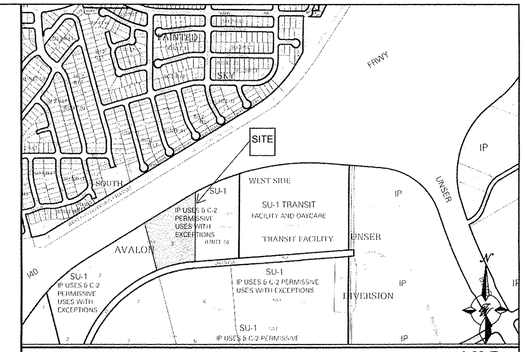
6'ø SDMH
RIM=5217.09
INV IN=5202.03(W)
INV IN=5202.00(N)
INV OUT=5201.93(E)

Daytona Road N.W. (60' R.O.W.)

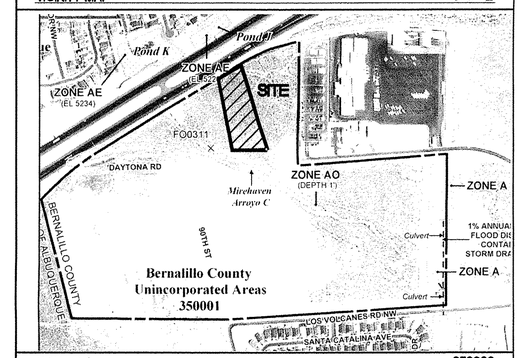
SECTION B–B

LEGEND

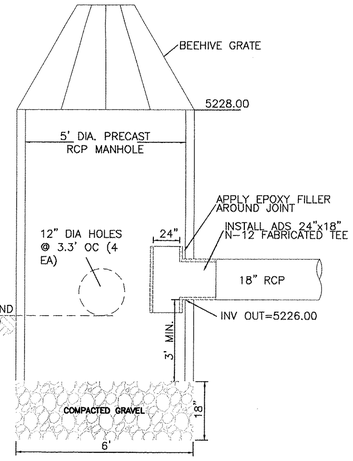
- CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- CENTERLINE
- RIGHT–OF–WAY
- BUILDING
- SIDEWALK
- SCREEN WALL
- RETAINING WALL
- 5010 CONTOUR MAJOR
- 5011 CONTOUR MINOR
- x 5048.25 SPOT ELEVATION
- FLOW ARROW
- EXISTING CURB & GUTTER
- EXISTING BOUNDARY LINE
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- x 5048.25 EXISTING SPOT ELEVATION



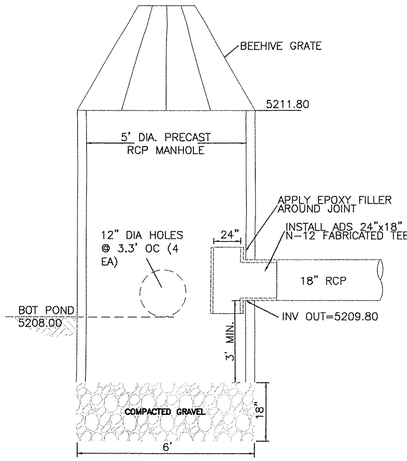
VICINITY MAP: J-09-Z



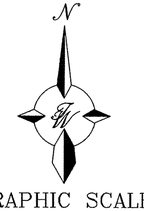
FIRM MAP: 350002



WATER QUALITY MANHOLE
NTS DETAIL "A"



WATER QUALITY MANHOLE
NTS DETAIL "B"



GRAPHIC SCALE
40 20 0 20 40
SCALE: 1"=40'

ENGINEER'S SEAL

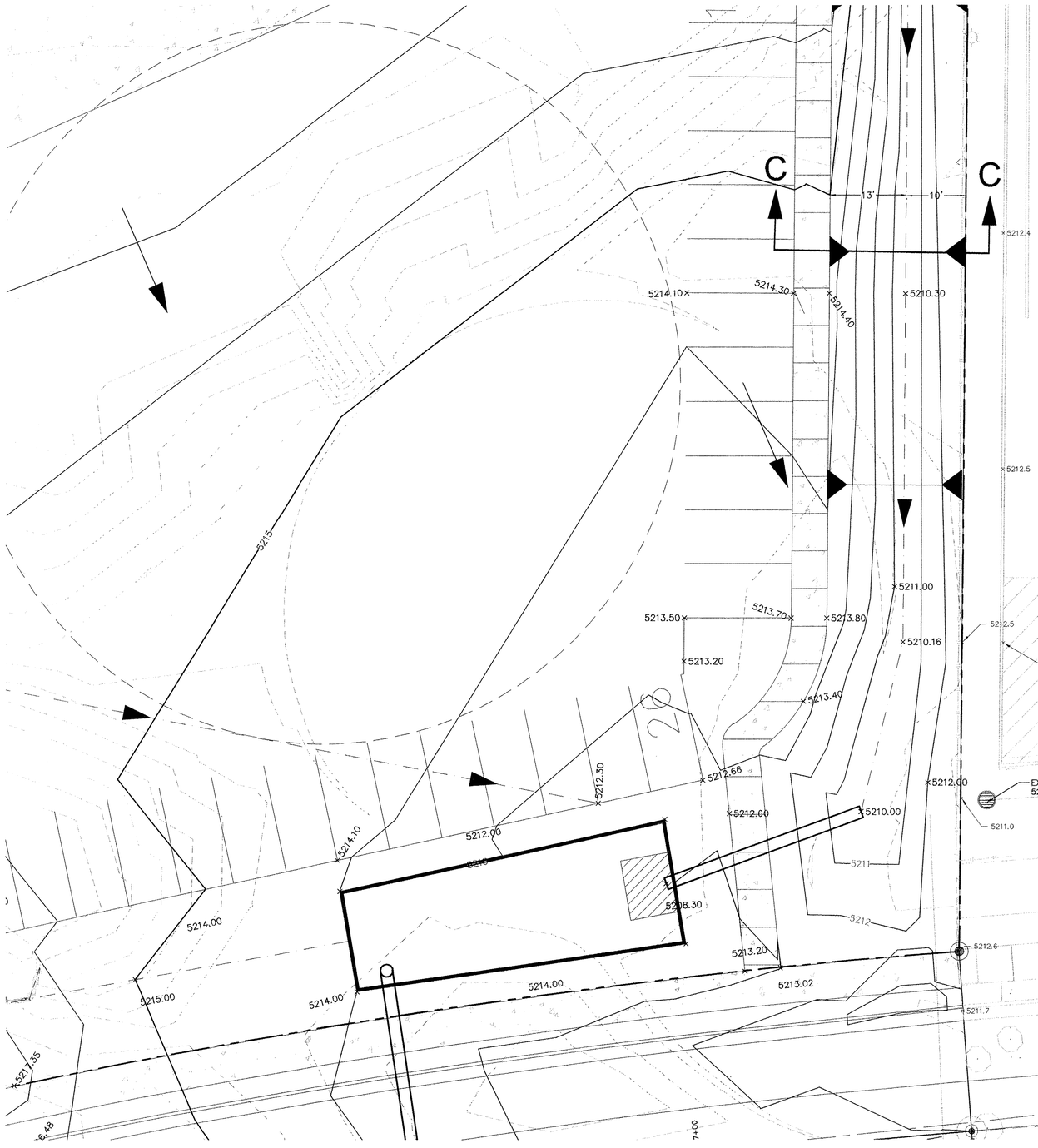
VINCENT P. CARRICA
NEW MEXICO
16212
REGISTERED PROFESSIONAL ENGINEER
7-12-18

VINCENT P. CARRICA
P.E. #16212

UTILITY TRAILER SALES
ALBUQUUURQUE NM
GRADING AND DRAINAGE PLAN

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NM 87109
(505) 858–3100
www.tierrawestllc.com

DRAWN BY	LA
DATE	07/12/2018
	2017041–GRADING 2
SHEET #	C2
JOB #	2017041



LEGEND

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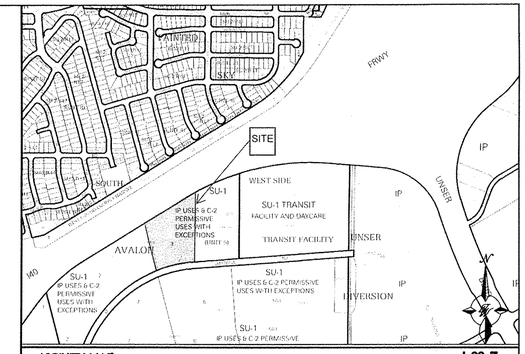
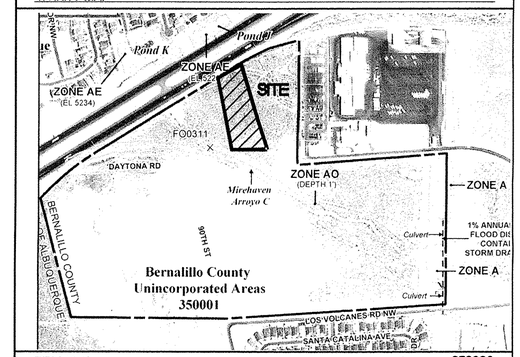
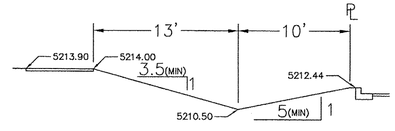


VICINITY MAP: J-09-Z



FIRM MAP: 350002



SECTION C-C

GRAPHIC SCALE

40 20 0 20 40

SCALE: 1"=40'

ENGINEER'S SEAL

VINCENT P. CARRICA
NEW MEXICO
16212
7-12-18
REGISTERED PROFESSIONAL ENGINEER

VINCENT P. CARRICA
P.E. #16212

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DRAWN BY: LA

DATE: 07/12/2018

2017041-GRADING 2

SHEET # C2-A

JOB # 2017041