

# CITY OF ALBUQUERQUE



Richard J. Berry, Mayor

May 19, 2017

Farshad Omidvaran, P.E.  
Parsons Brinkerhoff  
6100 Uptown Blvd NE  
Albuquerque, NM 87110

RE: **ABQ Ride Daytona Transit Facility**  
**Conceptual Grading and Drainage Plan**  
**Engineer's Stamp Date: 5/18/17**  
**Hydrology File: J09D025**

Dear Mr. Omidvaran:

Based on the information provided in your submittal received on 5/19/17, the Conceptual Grading and Drainage Plan is not approved for Administrative Amendment for Grading Permit and Paving Permit. The following comments must be addressed prior to approval:

1. The storm water quality volume is not being retained on-site because this site is permitted under an industrial discharge permit requiring flows from the parking areas to be routed through the oil/water separators. The drainage narrative needs to be updated to reflect that the drainage from the new impervious parking lot is required to comply with the site's SWPPP and cannot be retained and infiltrated.
2. The depressed landscaping areas that will retain non-contaminated flows from the sidewalk areas need to be depressed with 5:1 side slopes. Additional notes regarding storm water quality swales are attached.
3. Provide invert, slope and capacity data to ensure the new storm drain will function as proposed.
4. Increase the density of existing and proposed contour labels.

If you have any questions, please contact me at 924-3695 or [dpeterson@cabq.gov](mailto:dpeterson@cabq.gov).

Sincerely,

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



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2016)

**Project Title:** ABQ Ride Daytona Design **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** Lot A, West Side Transit Facility  
**City Address:** 8001 Daytona Road NW, Albuquerque, NM 87121

**Applicant:** Daytona Transit Facility (COA) **Contact:** Nolan Meadows  
**Address:** 8001 Daytona Place, NM, Albuquerque, NM 87121  
**Phone#:** 505-239-9924 **Fax#:** \_\_\_\_\_ **E-mail:** nmeadows@cabq.gov

**Other Contact:** WSP|Parsons Brinckerhoff **Contact:** Jim Buckman  
**Address:** 6100 Uptown Blvd. NE Suite 600, Albuquerque, NM 87110  
**Phone#:** 505-878-6577 **Fax#:** \_\_\_\_\_ **E-mail:** Buckman@pbworld.com

Check all that Apply:

**DEPARTMENT:**

☒ **HYDROLOGY/ DRAINAGE**  
☐ **TRAFFIC/ TRANSPORTATION**

**TYPE OF SUBMITTAL:**

☐ **ENGINEER/ARCHITECT CERTIFICATION**  
☒ **CONCEPTUAL G & D PLAN**  
☐ **GRADING PLAN**  
☐ **DRAINAGE MASTER PLAN**  
☐ **DRAINAGE REPORT**  
☐ **CLOMR/LOMR**  
☐ **TRAFFIC CIRCULATION LAYOUT (TCL)**  
☐ **TRAFFIC IMPACT STUDY (TIS)**  
☐ **OTHER (SPECIFY) \_\_\_\_\_**  
☐ **PRE-DESIGN MEETING?**

**TYPE OF APPROVAL/ACCEPTANCE SOUGHT:**

☐ **BUILDING PERMIT APPROVAL**  
☐ **CERTIFICATE OF OCCUPANCY**  
☐ **PRELIMINARY PLAT APPROVAL**  
☐ **SITE PLAN FOR SUB'D APPROVAL**  
☐ **SITE PLAN FOR BLDG. PERMIT APPROVAL**  
☐ **FINAL PLAT APPROVAL**  
☐ **SIA/ RELEASE OF FINANCIAL GUARANTEE**  
☐ **FOUNDATION PERMIT APPROVAL**  
☐ **GRADING PERMIT APPROVAL**  
☐ **SO-19 APPROVAL**  
☐ **PAVING PERMIT APPROVAL**  
☐ **GRADING/ PAD CERTIFICATION**  
☐ **WORK ORDER APPROVAL**  
☐ **CLOMR/LOMR**

**IS THIS A RESUBMITTAL?:** ☒ **Yes** ☐ **No**

☒ **OTHER (SPECIFY)** Administrative Amendment

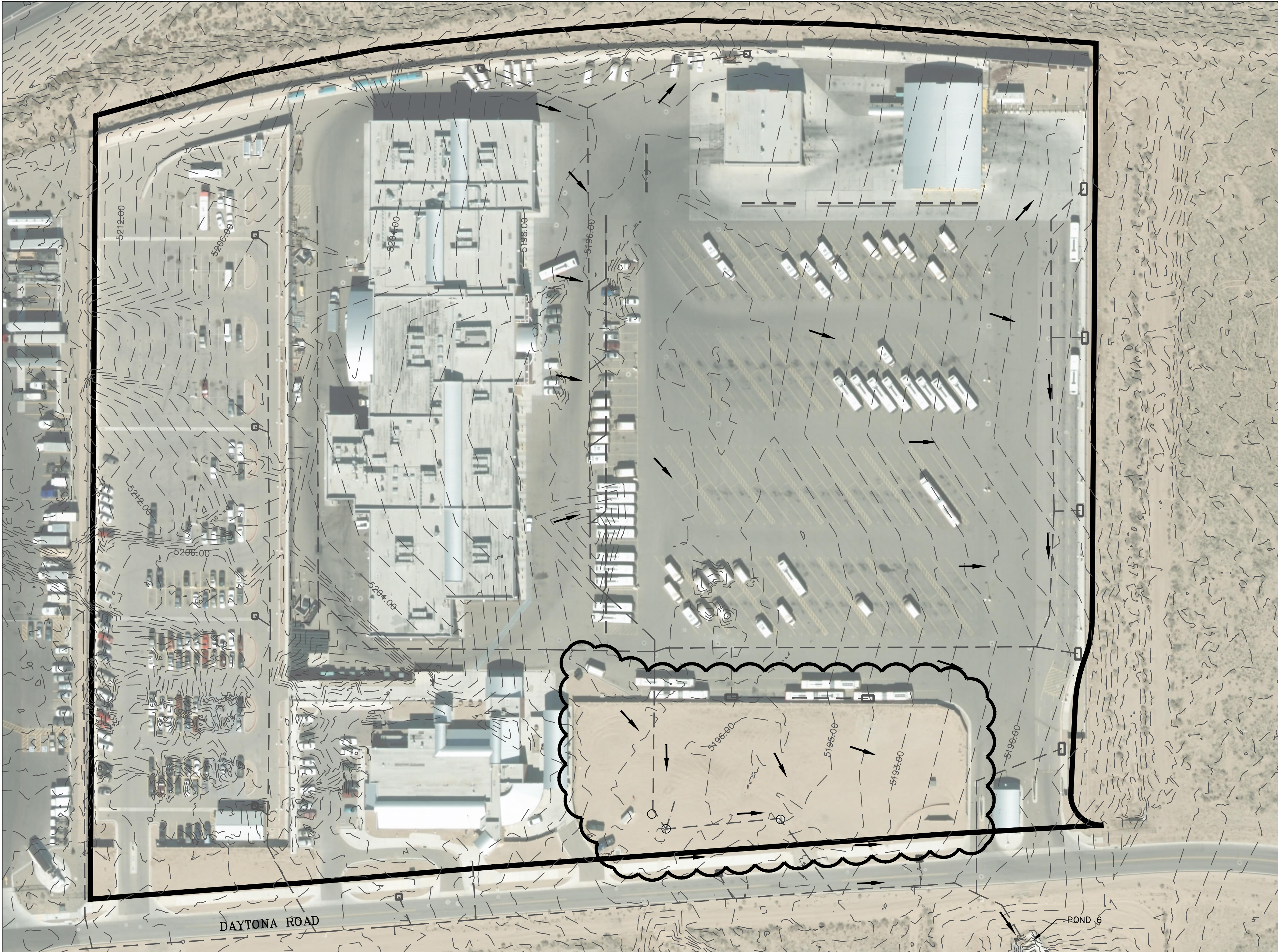
**DATE SUBMITTED:** 5-18-2017 **By:** Isabel Ortiz **for** Jim Buckman

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_

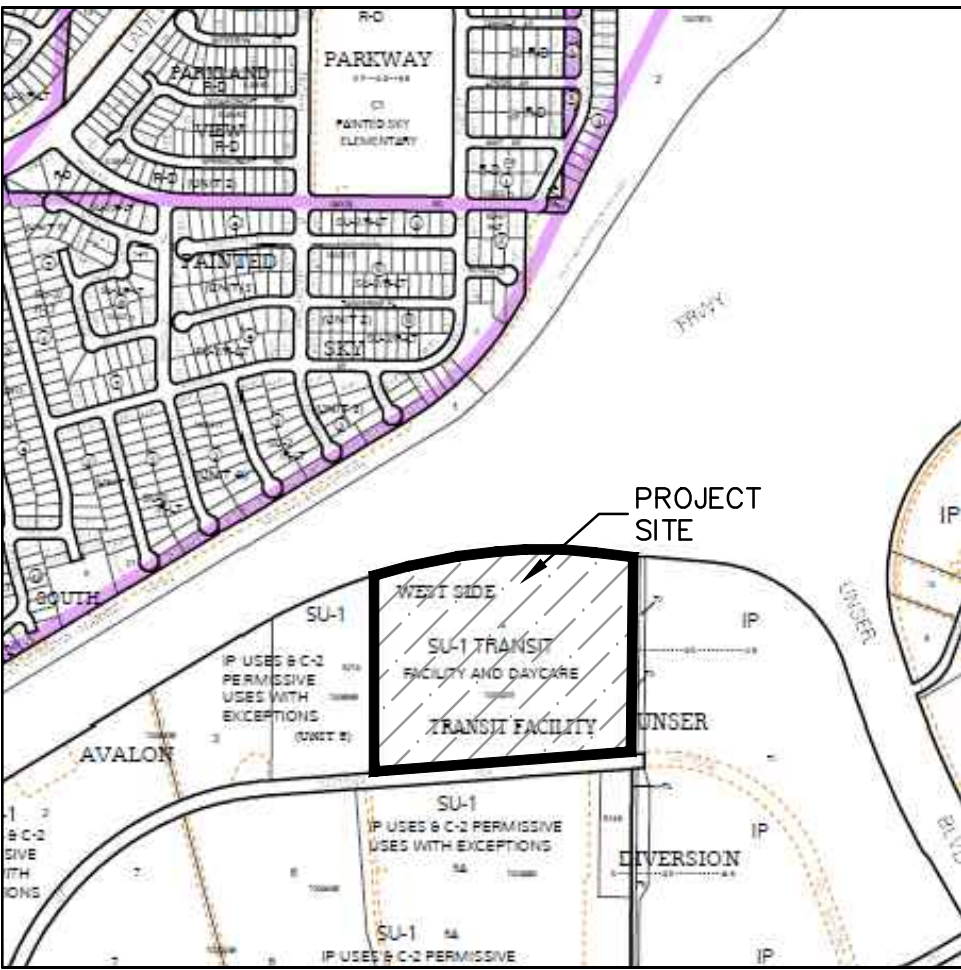




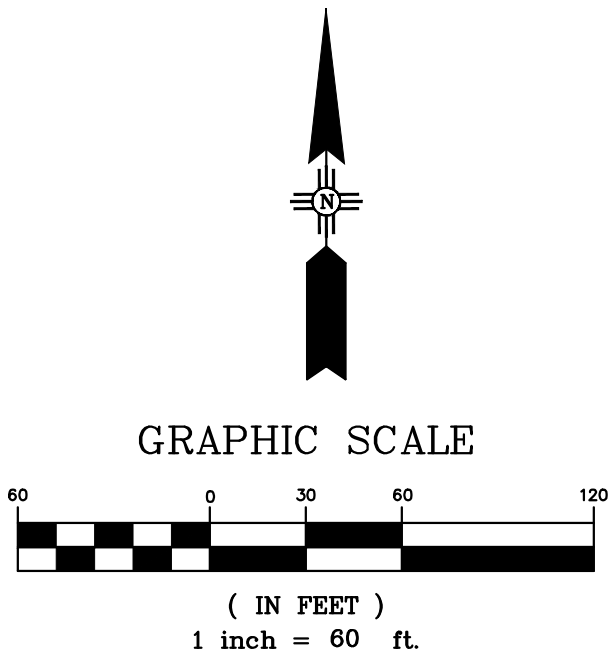
EXISTING CONDITIONS  
THE EXISTING SITE IS NOT LOCATED WITHIN A DESIGNATED FLOOD ZONE. THE ENTIRE SITE DRAINS EASTERLY AND SOUTHEASTERLY TO AN EXISTING STORM DRAIN SYSTEM THAT CONVEYS THE FLOW TO AN EXISTING OFFSITE POND KNOWN AS POND 6 IN THE I-40 SOUTH AND UNSER DIVERSION MINI DMP.

LEGAL DESCRIPTION  
LOT A, WEST SIDE TRANSIT FACILITY

NOTE:  
THE CLOUDED AREA IDENTIFIES THE PORTION OF THE SITE THAT WOULD BE MODIFIED UNDER THIS PROJECT. NO CHANGES TO THE REMAINDER OF THE SITE ARE ANTICIPATED. SEE SHEET 2, PROPOSED CONDITIONS DRAINAGE BASIN MAP OF THE PLANS FOR THE PROPOSED MODIFICATIONS.



- LEGEND
- EXISTING FLOW DIRECTION
  - EXISTING STORM DRAIN SYSTEM
  - EXISTING BASIN BOUNDARY
  - EXISTING INLET
  - EXISTING TRENCH DRAIN



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CITY OF ALBUQUERQUE  
TRANSIT DEPARTMENT  
ABQ RIDE

ABQ RIDE DAYTONA DESIGN

CONCEPTUAL GRADING AND DRAINAGE PLAN

EXISTING CONDITIONS DRAINAGE BASIN MAP

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

MO./DAY/YR.

MO./DAY/YR.

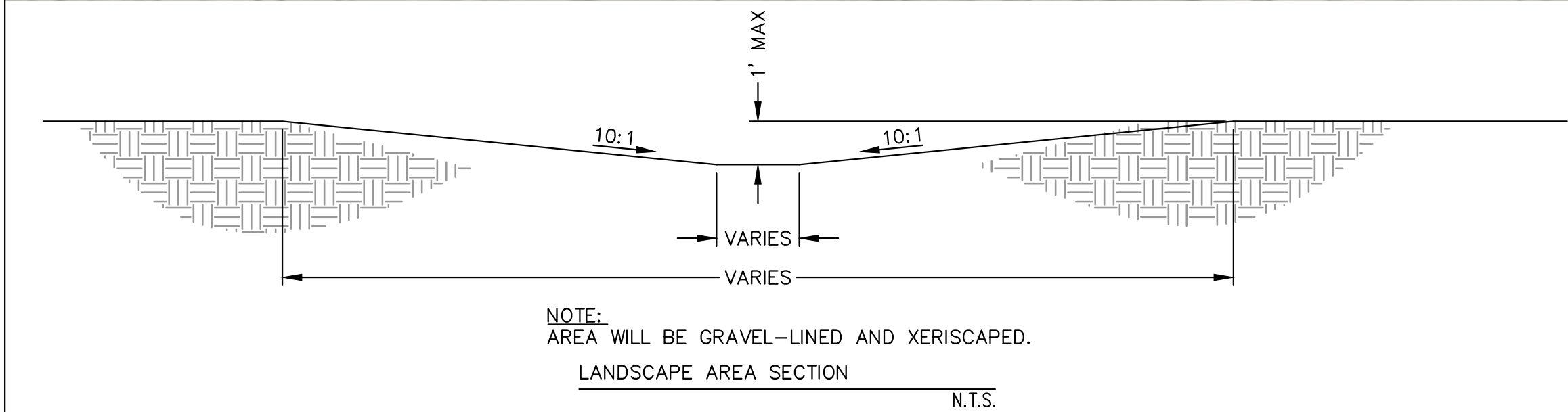
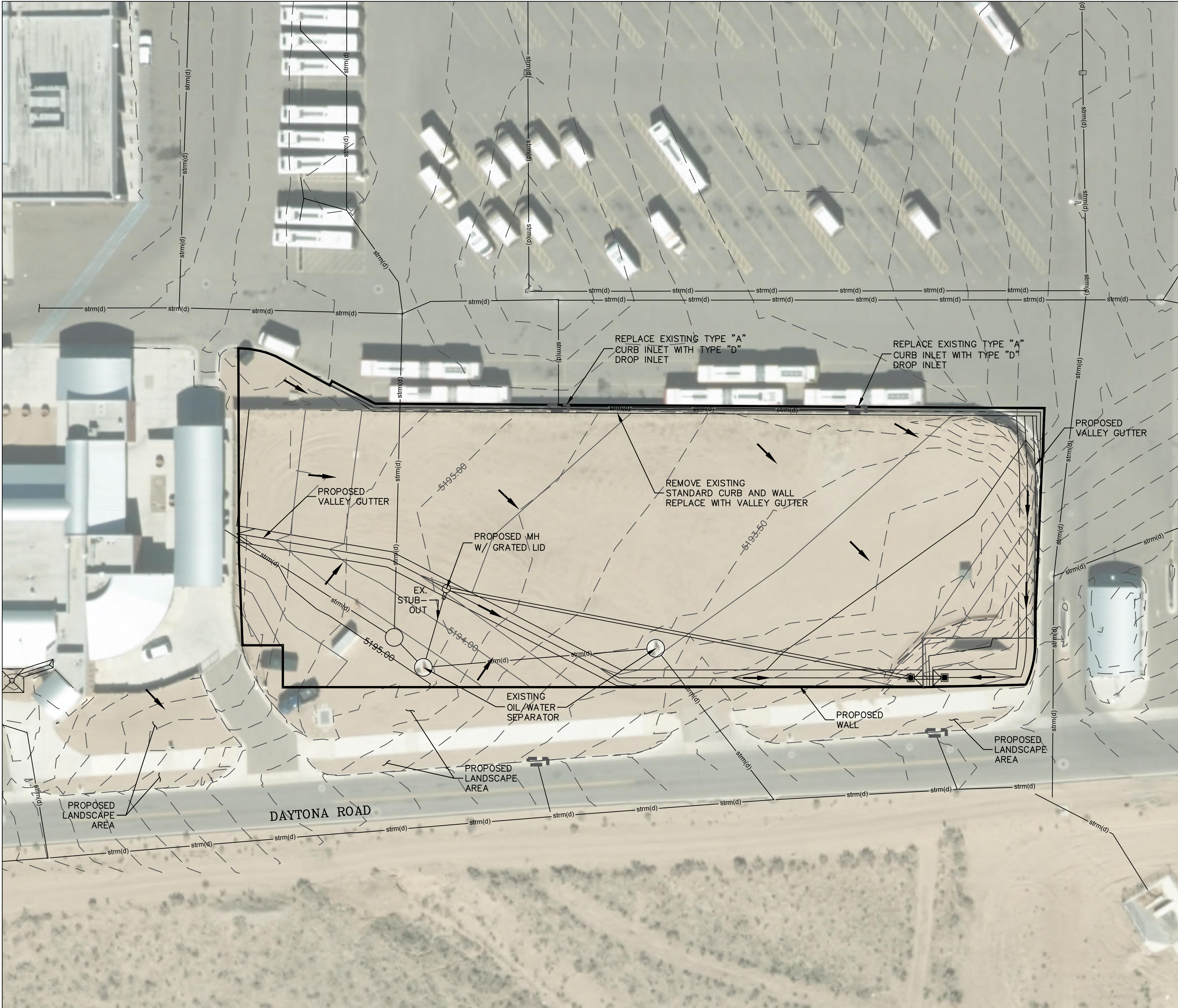
City Project No.  
COA 201700667

Zone Map No.  
J-09-Z

Sheet  
1 of 2

J:\33749 ABQ Ride Daytona Design\04 Engineering - COA 33749A\Proposed\Drainage\BasinMaps.dwg May 18, 2017 - 1:56pm Saved By: romacd





THE EFFECTS OF THE IMPROVEMENTS (ADDITIONAL IMPERVIOUS AREA) ON THE DOWNSTREAM FACILITIES

HYDROLOGIC DATA - EXISTING (UNPAVED AREA)							
AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q100 (cfs)	V100-24 (ac-ft)
	A	B	C	D			
1.25	-	-	100	-	2.87	3.6	0.103

HYDROLOGIC DATA - PROPOSED (PAVED AREA)							
AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q100 (cfs)	V100-24 (ac-ft)
	A	B	C	D			
1.25	-	-	-	100	4.37	5.5	0.253

DELTA Q100 = 1.87 CFS

DELTA V100-24 = 6522.36 CU. FT.

THE I-40 SOUTH AND UNSER MINI DMP PREPARED BY EASTERLING CONSULTANTS LLC, APRIL 2014, HAS EVALUATED THIS SITE AS FULLY DEVELOPED AND HAS CONCLUDED THAT THE DOWNSTREAM STORM DRAIN AND POND FACILITIES HAVE SUFFICIENT CAPACITY. THE REPORT DESIGNATES THE SITE AS SUBBASIN A-3D WITH A DRAINAGE AREA OF 19.63 ACRES AND A CURVE NUMBER OF 91 ON THE EXISTING CONDITIONS DRAINAGE BASIN MAP.

PROPOSED CONDITIONS

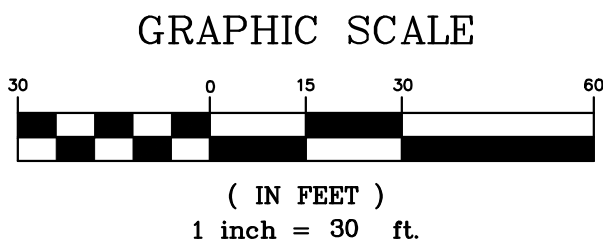
NEW STORM DRAIN TRUNK LINE, 18" DIAMETER, WILL BE CONSTRUCTED TO DRAIN INTO THE EXISTING OIL/WATER SEPARATORS. THIS NEW STORM DRAIN SYSTEM WILL BE CONNECTED TO AN EXISTING 18" DIAMETER STUB-OUT.

BECAUSE DAYTONA TRANSIT FACILITY IS AN EXISTING, MOSTLY PAVED SITE, IT IS NOT POSSIBLE TO MEET THE CURRENT DPM REQUIREMENTS FOR STORM WATER RETENTION. THE VOLUME OF THE REQUIRED FIRST FLUSH STORM WATER RETENTION IS EQUAL TO: (IMPERVIOUS AREA X (0.44 - 0.1)/12); IMPERVIOUS AREA = 54,353 SQ. FT. AND REQUIRED VOLUME = 1540 CU. FT. A PORTION OF THE REQUIRED FIRST FLUSH VOLUME, CONSISTING OF THE RUNOFF THAT FALLS ON THE PROPOSED LANDSCAPE AREAS AND BUFFERS ALONG THE TRANSIT CENTER FRONTAGE, WILL BE RETAINED ON-SITE. THIS PROVIDED RETENTION VOLUME IS EQUAL TO: (LANDSCAPE & BUFFER AREAS X 0.34)/12; LANDSCAPE AREA = 31,991 SQ. FT., PROVIDED RETENTION VOLUME = 906 CU. FT. THE RUNOFF FROM THE BUS PARKING AREAS WILL GO THROUGH THE OIL/WATER SEPARATORS.

THE PROPOSED IMPROVEMENTS UNDER THIS PROJECT WOULD INCREASE THE 100-YEAR FLOW TO 5.5 CFS ±, WHICH IS 2 CFS ± HIGHER THAN THE EXISTING 100-YEAR FLOW OF 3.6 CFS. TWO PROPOSED TYPE D INLETS (LOCATED ON THE SOUTHEAST CORNER OF THE PROJECT SITE) AND ONE MANHOLE WITH GRATE (LOCATED ON THE SOUTHWEST CORNER OF THE PROJECT SITE) WILL CAPTURE THE PROPOSED 100-YEAR FLOW OF 5.5 CFS ±.

LEGEND

	PROPOSED FLOW DIRECTION		EXISTING INLET
	BASIN BOUNDARY		EXISTING STORM DRAIN SYSTEM
	PROPOSED INLET		PROPOSED STORM DRAIN
	PROPOSED 0.5' CONTOURS		EXISTING 0.5' CONTOURS



**PARSONS  
BRINCKERHOFF**



CITY OF ALBUQUERQUE  
TRANSIT DEPARTMENT  
ABQ RIDE

DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		MO./DAY/YR.	
City Project No. COA 201700667		Zone Map No. J-09-Z		Sheet 2 of 2	

ABQ RIDE DAYTONA DESIGN  
CONCEPTUAL GRADING AND DRAINAGE PLAN  
PROPOSED CONDITIONS DRAINAGE BASIN MAP

DESIGNED BY: FARSHAD Omidvaran		DATE 05/15/17	
DRAWN BY: CARLOS D. ROMO		DATE 05/15/17	
CHECKED BY: FARSHAD Omidvaran		DATE 05/15/17	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		CONTRACTOR		WORK	
		NO.		DATE		STATION	
		BY		DATE		TO NGS CONTROL STATION	
		REMARKS		INSPECTOR'S		FIELD	
		NO. DATE		DATE		VERIFICATION BY	
		DESIGN		DATE		CORRECTED BY	
		MICRO-FILM INFORMATION		RECORDED BY		NO.	