CITY OF ALBUQUERQUE

June 26, 2017

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

RE: **ABQ Ride Daytona Transit Facility**
Grading and Drainage Plan (Engineer's Stamp Date: 6/14/17)
Coversheet Stamp Date: 6/1/17
Hydrology File: J09D025

Dear Mr. Omidvaran:

Based on the information provided in your submittal received on 6/23/17, the Grading and Drainage Plan cannot be approved for Building Permit until the following comments are addressed:

1. How are the depressed ponding areas in the landscape buffers being built? There are details provided, but they are not called-out anywhere. The grading plan does not include grading to create these areas, and the landscaping sheets don't show any depressed areas or call-outs to create them.
2. Include wall details. Specifically, it is unclear if the wall will contain flows along the southern edge of the parking lot where the valley gutter is running adjacent. Also, it appears a turned block or drain line is needed to pass flows through the wall at the southeast corner to get to the valley gutter on the other side.
3. Pipe profiles and supporting data need to be included: flow (100yr), velocity, HGL, and junction losses through the various manholes and water quality features.
4. Is the 25cfs rating on the Stormwater Treatment System sufficient to treat the Q100 or the first flush volume? The SPCC plan should govern its sizing. Please provide a typical detail for the Stormwater Treatment System.

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

Orig: Drainage File

PO Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

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 #: BP-2017-19346 Hydrology File # J09D025

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?

IS THIS A RESUBMITTAL?: ___ Yes ✓ No

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

✓ OTHER (SPECIFY) Administrative Amendment

DATE SUBMITTED: 6/22/2017 By: [signature] for Jim Buckman

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

VICINITY MAP

ZONE ATLAS MAP: J-09-Z

FIRM MAP

MAP# 35001C0328
11/04/2016

LEGEND

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

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.

GRAPHIC SCALE
60 0 30 60 120
(IN FEET)
1 inch = 60 ft.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
SURFACE ELEVATIONS DERIVED FROM 2010 BERNALILLO COUNTY LIDAR DATA

AS BUILT INFORMATION
CONTRACTOR

WORK STARTED BY	
INSPECTIONS	
ACCEPTANCE BY	
FILM	
VERIFICATION BY	
CORRECTIONS	
CORRECTED BY	

MICRO-FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
FARSHAD H. OMIDVARAN NEW MEXICO 10720 REGISTERED PROFESSIONAL ENGINEER 5/26/17

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY: FARSHAD OMIDVARAN DATE 5/26/17
DRAWN BY: CARLOS D. ROMO DATE 5/26/17
CHECKED BY: FARSHAD OMIDVARAN DATE 5/26/17

PARSONS BRINCKERHOFF

ABQ RIDE

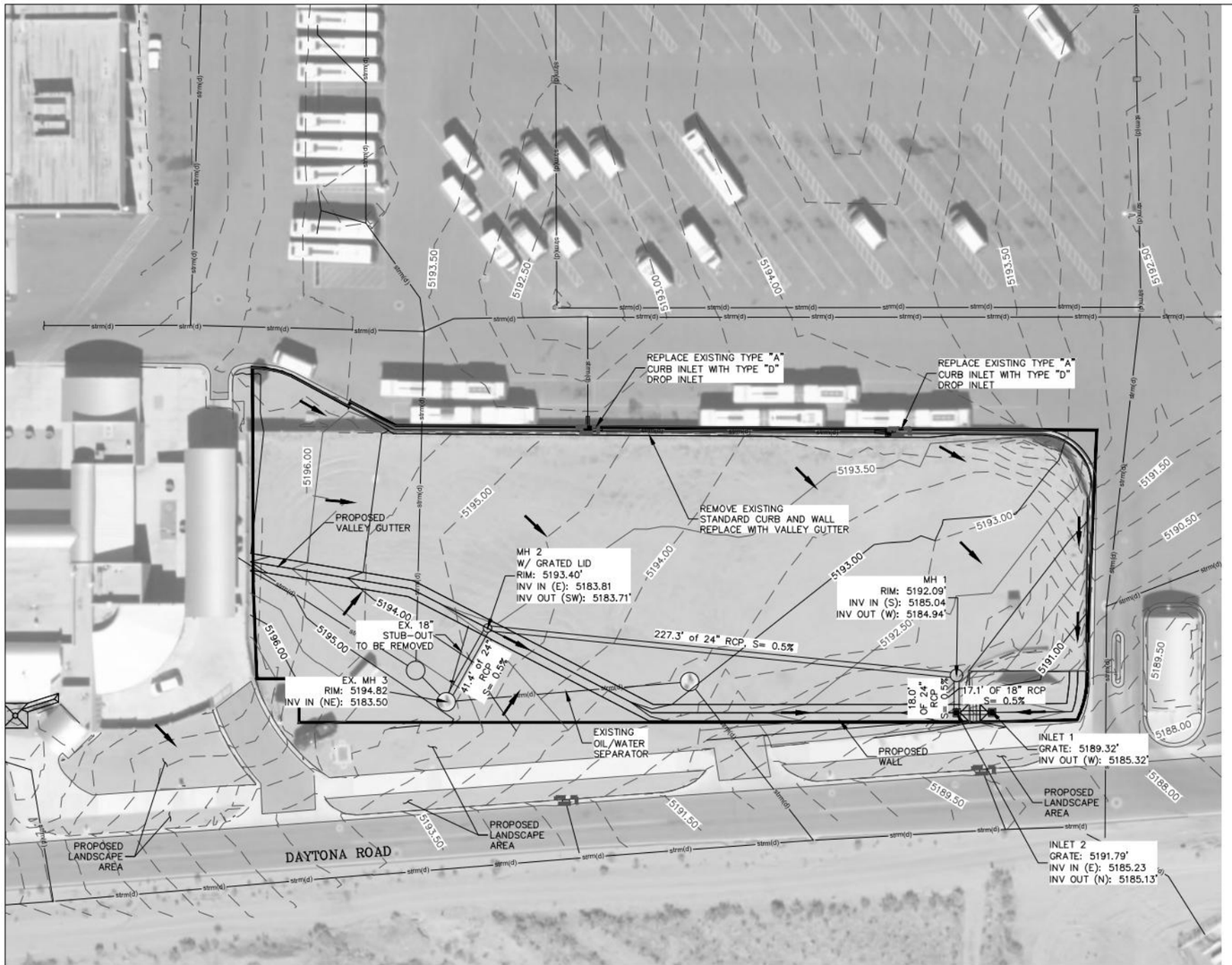
CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
ABQ RIDE

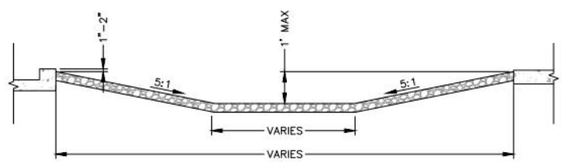
ABQ RIDE DAYTONA DESIGN
CONCEPTUAL GRADING AND DRAINAGE PLAN
EXISTING CONDITIONS DRAINAGE BASIN MAP

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
COA 5658.05	J-09-Z	1 of 2

J:\33749 ABQ Ride Daytona Design\04 Engineering - COA 33749A\Proposed\Drainage\BasinMaps.dwg May 26, 2017 - 12:49pm Saved By: romocd





NOTE:
AREA WILL BE GRAVEL-LINED AND XERISCAPED.

LANDSCAPE AREA SECTION
N.T.S.

LEGEND

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

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

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)	V100-24 (cu-ft)
	A	B	C	D				
1.25	-	-	100	-	2.87	3.6	0.103	4484

HYDROLOGIC DATA - PROPOSED (PAVED AREA)								
AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q100 (cfs)	V100-24 (ac-ft)	V100-24 (cu-ft)
	A	B	C	D				
1.25	-	-	-	100	4.37	5.5	0.253	11006

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.

THE DAYTONA TRANSIT FACILITY IS COVERED UNDER AN EXISTING EPA'S SWPPP FOR INDUSTRIAL ACTIVITIES AND ANY RUNOFF FROM THE BUS PARKING AREAS MUST GO THROUGH OIL/WATER SEPARATORS. IN COMPLIANCE WITH THE INDUSTRIAL DISCHARGE PERMIT FOR THE SITE, THE RUNOFF FROM THE BUS PARKING AREAS CANNOT BE RETAINED AND INFILTRATED ON SITE, AND IT HAS BEEN DESIGNED TO BE COLLECTED AND CARRIED THROUGH THE EXISTING STORM DRAIN SYSTEM AND OIL/WATER SEPARATORS.

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.

A NEW STORM DRAIN TRUNK LINE, 24" DIAMETER, WILL BE CONSTRUCTED TO DRAIN INTO THE EXISTING OIL/WATER SEPARATORS. THIS NEW STORM DRAIN SYSTEM WILL BE CONNECTED TO THE EXISTING MH 3.

STORM DRAIN TRUNK LINE CAPACITY (FROM MH1 TO MH2)
THE STORM DRAIN TRUNK LINE CAPACITY WAS DETERMINED USING THE ORIFICE AND MANNING'S EQUATION.

ORIFICE EQUATION:
$Q = C_d A(2gD)^{0.5}$; WHERE Cd= 0.60, A= AREA OF THE 24" STORM DRAIN (3.14 SQ.FT), D= 6.7 FT. AND FLOW CAPACITY Q= 39.1 CFS. ALTERNATIVELY THE MANNING'S EQUATIONS WAS ALSO USED.

MANNING EQUATION:
$Q = (1.49/n)AR^{2/3}S^{1/2}$; WHERE n= 0.013, A= 3.14 SQ.FT., R= 0.5 FT., S= 0.005 FT./FT., AND FLOW CAPACITY Q= 16.03 CFS. THE SLOPE OF THE ENERGY GRADE LINE WAS ASSUMED TO BE EQUAL TO THE SLOPE, S, OF THE PROPOSED TRUNK LINE.

THEREFORE, THE CONTROLLING FLOW CAPACITY FOR THE PROPOSED STORM DRAIN IS Q= 16.03 CFS.

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 ±.

DROP INLET CAPACITY
OF THE 5.5 CFS, 1 CFS IS CAPTURED IN INLET 1 AND 4.5 CFS IS CAPTURED IN INLET 2. FOR THE WORST CASE SCENARIO, THE DRAINAGE AT INLET 2 WOULD POND TO A DEPTH (D) OF 0.3'. THE PONDING DEPTH WAS DETERMINED USING THE WEIR EQUATION: $Q = C_w P D^{3/2}$; WHERE C_w= 3.0, P= PERIMETER OF THE DRAINAGE GRATE, 10.8 FT, Q= 4.5 CFS, AND D= 0.3'. THE MAJORITY OF THE PONDING FROM THE 100-YR RUNOFF WOULD BE CONTAINED WITHIN THE VALLEY GUTTER, WITH THE REMAINDER PONDING ALONG THE PROPOSED WALL.

LANDSCAPE NOTES, STREET SCAPE CATEGORY:
THE LANDSCAPE AREA BETWEEN THE SIDEWALK AND BACK OF CURB IS TO BE DEPRESSED AND COVERED IN ROCK TO PREVENT EROSION. SEE THE DETAIL AND NOTES BELOW:

1. SWALE TO HAVE SIDE SLOPES OF 5:1 (H:V)
2. FOR WIDE LANDSCAPE BUFFERS, GREATER THAN 10 FEET, THE MAXIMUM DEPTH IS 10 INCHES.
3. LANDSCAPE BUFFERS 2 FEET AND LESS IN WIDTH ARE EXCLUDED.
4. FINAL GRADE OF DIRT TO BE 1 TO 2 INCHES BELOW TOP OF CURB AND TOP OF SIDEWALK GRADE.
5. SURFACE BETWEEN BACK OF CURB AND SIDEWALK TO BE COVERED WITH GRAVEL MULCH (MIN. ¾"), COBBLES OR RIPRAP. DO NOT FILL ENTIRE SWALE.
6. A CHECK DAM WILL BE REQUIRED FOR SWALES ON STEEPER LONGITUDINAL SLOPES, 2.5% AND GREATER, AND LONGER SECTIONS. THE ENGINEER WILL DETERMINE THE LOCATION.
7. LANDSCAPE FABRIC IS RECOMMENDED, BUT NOT REQUIRED, BETWEEN THE DIRT AND THE STONE. IF LANDSCAPE FABRIC IS TO BE USED IT IS TO BE PERMEABLE.
8. IN THE CASE WHERE THE SIDEWALK IS EXISTING AND THE LANDSCAPE BUFFER IS IMPROVED WITH LANDSCAPE AND/OR SOME FORM OR EROSION PROTECTION, THIS REQUIREMENT DOES NOT APPLY.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY
INSPECTIONS
ACCEPTANCE BY
FIELD CHECK
VERIFICATION BY
COMPLETED
CORRECTED BY

BENCH MARKS
"TRIMBLE VRSNow RTK NETWORK" WITH CHECKS TO NGS CONTROL STATION "NGS Q 424"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

MICRO-FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
FARSHAD H. OMIDVARAN NEW MEXICO 10720 REGISTERED PROFESSIONAL ENGINEER 5/26/17

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY: FARSHAD OMIDVARAN	DATE 5/26/17
		DRAWN BY: CARLOS D. ROMO	DATE 5/26/17
		CHECKED BY: FARSHAD OMIDVARAN	DATE 5/26/17

PARSONS BRINCKERHOFF
ABQ RIDE
CITY OF ALBUQUERQUE
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CONCEPTUAL GRADING AND DRAINAGE PLAN
PROPOSED CONDITIONS DRAINAGE BASIN MAP

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City Project No.	Zone Map No.	Sheet
COA 5658.05	J-09-Z	2 of 2

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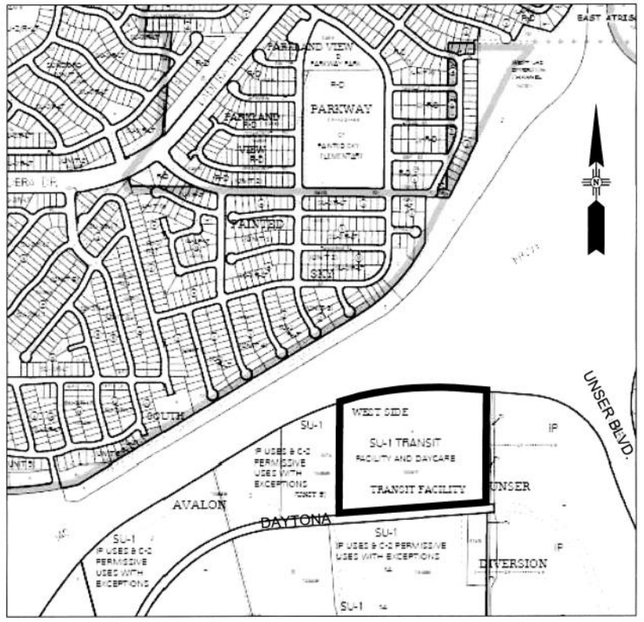
CITY OF ALBUQUERQUE, NEW MEXICO

ABQ RIDE

CONSTRUCTION PLANS FOR
TRANSIT DEPARTMENT ABQ RIDE
DAYTONA OPERATIONS AND MAINTENANCE FACILITY

COA Project 5658.05



VICINITY MAP
ZONE ATLAS MAP: J-09-Z
SCALE 1:500

PROJECT DESCRIPTION
WORK WILL CONSIST OF: REMOVAL AND REPLACEMENT OF DAMAGED CONCRETE SIDEWALK AND CURB; NEW STORM DRAIN, INLETS WITH MODIFIED GRATES, ELECTRICAL CONDUIT, GRADING, CONCRETE ISLANDS, VALLEY GUTTER, ASPHALT PAVING, LIGHTING, AND STRIPING IN PARKING AREAS; ELECTRICAL YARD EQUIPMENT AND BUS CHARGERS; REMOVAL AND REPLACEMENT OF CMU BLOCK WALL; GRADING, IRRIGATION, AND LANDSCAPING ALONG THE FACILITY FRONTAGE; AND OTHER ASSOCIATED WORK.

CITY OF ALBUQUERQUE · NEW MEXICO · 1706

INDEX OF SHEETS		
SHEET NO.	DESCRIPTION	GROUP
C-1	COVER SHEET	
C-2	GENERAL NOTES	
C-3	SUMMARY OF QUANTITIES	
C-4 TO C-5	REMOVAL PLANS	
C-6	SITE PLAN	
C-7 TO C-8	GRADING AND PAVEMENT PLAN	
C-9	STORM DRAIN PLAN	
C-10 TO C-11	MISCELLANEOUS DETAILS	
C-12	STRIPING PLAN	
C-13	STRIPING DETAILS	
S-1	WALL PLAN AND PROFILE	
S-2 TO S-4	WALL DETAILS	
S-5 TO S-6	ELECTRICAL EQUIPMENT PAD DETAILS	
S-7	LIGHT POLE FOUNDATION DETAILS	
L-1 TO L-4	LANDSCAPING	
E-001	ELECTRICAL SYMBOLS AND ABBREVIATIONS	
E-100	ELECTRICAL SITE PLAN	
E-101	ELECTRICAL SITE PLAN	
E-200 TO E-202	ELECTRICAL POWER PLAN	
E-300	PHOTOMETRIC PLAN	
E-500	ELECTRICAL ONE LINE DIAGRAM	
E-600 TO E-604	ELECTRICAL DETAILS	
E-700	ELECTRICAL PANEL	
Q101	PHASING PLAN	
Q200	CHARGER PLAN AND DETAILS	

NOTE: NO MECHANICAL PLANS ARE INCLUDED IN THIS PROJECT

WSP | PARSONS BRINCKERHOFF

REV.	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE APPROVALS ENGINEER DATE

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 6/4/21

DRC Chairman	APPROVED FOR CONSTRUCTION
Transportation	
Water/Wastewater	
Hydrology	
Parks	
Constr. Coord.	City Engineer Date
Traffic Eng.	
AMAFCA	
PROJECT NO. COA 5658.05	SHEET C-1

1. SPECIFICATIONS ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, 1986 EDITION, UPDATE 9.

2. ACCESS THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES, AT LEAST 48 HOURS IN ADVANCE, WITH PROPERTY OWNERS AND THE CITY ENGINEER. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.

3. CONSTRUCTION SCHEDULE SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION SERVICES DIVISION A CONSTRUCTION SCHEDULE, THAT SHALL BE SUBMITTED AND UPDATED IN ACCORDANCE WITH THE CONTRACT. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. THE CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. THIS WORK SHALL BE INCLUDED IN PAY ITEM 19.010 (CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL.)

4. WORKING HOURS: CONSTRUCTION ACTIVITIES ARE ALLOWED FROM 6:00 AM TO 10:00 PM MONDAY THROUGH SATURDAY. FOR WORK OUTSIDE THESE TIMES OR ON HOLIDAYS, THE CONTRACTOR SHALL COMPLY WITH THE ALBUQUERQUE NOISE CONTROL ORDINANCE AND REQUEST A TEMPORARY PERMIT AS REQUIRED.

5. NM ONE-CALL TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.

6. PERMITS CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY FOR CONSTRUCTION. PERMITS SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED WORK PERFORMED.

7. OVERNIGHT PARKING OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

8. CLEAR ZONE THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 3 FEET FROM THE FACE OF CURB. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION CLEAR ZONE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE CONSTRUCTION ENGINEER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

9. REGULATORY SIGNS THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED, OR REINSTALLED. CALL 857-8680. REFER TO SECTION 18.4.4 OF THE SPECIFICATIONS.

10. SURVEY MONUMENTS THE CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT THE CONTRACTOR'S EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

11. CONSTRUCTION LIMITS THE CONTRACTOR WILL BE REQUIRED TO CONFINE THEIR WORK WITHIN THE CONSTRUCTION LIMITS AND/OR R.O.W. TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.

12. BUILDING DAMAGE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT BUILDING STRUCTURES ADJACENT TO THE PROJECT NOT BE DAMAGED DUE TO ANY CONSTRUCTION ACTIVITIES. DAMAGE CAUSED TO ANY BUILDING STRUCTURE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ALL COSTS INCURRED IN RESTORING/REPAIRING SAID DAMAGE.

13. PEDESTRIAN ACCESS THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK PLAN FOR PEDESTRIAN IMPROVEMENTS TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INITIATING THIS WORK. THIS PLAN SHALL INCLUDE THE METHOD PROPOSED TO MAINTAIN PEDESTRIAN ACCESS TO BUSINESSES, SCHOOLS, HOSPITALS, BUILDINGS, ETC. THROUGHOUT THE PEDESTRIAN IMPROVEMENTS CONSTRUCTION IN PARTICULAR. THE CONTRACTOR, AT MINIMUM, SHALL MAINTAIN A 48" CLEAR PATH FOR PEDESTRIANS SO AS TO MEET ADA ACCESSIBILITY REQUIREMENTS. ALL TEMPORARY PEDESTRIAN FACILITIES IMPLEMENTED DURING CONSTRUCTION SHALL COMPLY WITH ADA STANDARDS. THIS WORK SHALL BE PAID FOR UNDER ITEM 19.010, CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL.

14. AS-BUILTS THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT ENGINEER THROUGHOUT THE PROJECT AND WILL BE REVIEWED BY THE PROJECT ENGINEER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED AND ACCEPTED BY THE PROJECT ENGINEER PRIOR TO FINAL PAYMENT. AS BUILT PLANS SHALL BE INCIDENTAL TO THE CONSTRUCTION OF THE PROJECT.

15. GRAFFITI THE CONTRACTOR SHALL MAINTAIN A GRAFFITI FREE WORK SITE AND SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT AND ROADWAY FEATURES, WHETHER PERMANENT OR TEMPORARY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASURE OR PAYMENT WILL BE MADE THEREFOR.

16. CONSTRUCTION SIGNING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT IS ACCEPTED BY THE CITY.

17. NON-VIBRATORY ROLLER THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF A 35 TON MAXIMUM NON-VIBRATORY ROLLER TO OBTAIN THE REQUIRED COMPACTION IN PAVEMENT STRUCTURE, ROADWAY BACKFILL, EMBANKMENT, AND SUBGRADES IN URBAN AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES.

18. EXISTING TIE-IN CURB AND GUTTER, SIDEWALKS, AND DRIVE PADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.

19. PULL BOX WHERE PULL BOXES ABUT BACK OF CURB OR ARE LOCATED IN A CONCRETE PAVED AREA, PROVIDE 3/4" EXPANSION MATERIAL AROUND THE PULL BOX. ALL PULL BOXES TO BE FLUSH WITH SURFACE OF CONCRETE.

20. SAW CUT WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT, TO FULL PAVEMENT DEPTH, THE EXISTING PAVEMENT TO A NEAT VERTICAL STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING. THIS WORK SHALL BE PAID FOR UNDER ITEM NO. 343.03, EXISTING PAVEMENT, ASPHALT CONCRETE, MORE THAN 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPL.

21. FIELD VERIFICATION THE CONTRACTOR SHALL VERIFY ALL EXISTING FIRE HYDRANT FLANGES, PADS, VALVE BOXES, MANHOLE RIMS AND TOP OF PIPE ELEVATIONS IN THE FIELD. ELEVATIONS SHALL BE ADJUSTED TO FINISHED GRADE TO COMPLY WITH THE REQUIREMENTS OF THE STANDARD CITY DETAILS.

22. DAMAGE REPAIR THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT STRIPING & MARKINGS, CURB AND GUTTER, DRIVEPADS, CURB RAMPS, SIGNAGE AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REMOVE AND REPLACE AS PER PROWAG STANDARDS AT THEIR OWN EXPENSE. DAMAGED PAVEMENT STRIPING & MARKINGS SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.

23. REMOVALS THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. SEE SHEETS C-3 OF PLANS FOR REMOVAL QUANTITIES.

24. CONCRETE REMOVAL WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, CONTRACTOR SHALL REMOVE TO NEAREST JOINT.

25. DISPOSALS ALL CONSTRUCTION DEBRIS, SPOIL AND NON-SALVAGEABLE ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND PROPER DISPOSAL OF THESE ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR. THIS WORK SHALL BE PAID FOR UNDER ITEM NO. 201.01, CLEARING & GRUBBING.

26. BACKFILL COMPACTION ALL TRENCH EXCAVATION BACKFILL WITHIN THE PAVED AREAS SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR PER ASTM D-698 OR D-1557 AND COA STD. DWG. 2465 AS APPLICABLE.

27. EXISTING STRUCTURES THE CONTRACTOR SHALL CLEAN ALL EXISTING STRUCTURES WITHIN THE CONSTRUCTION AREA THAT ARE TO REMAIN OPERATIONAL. ALL STRUCTURES (NEW AND EXISTING) SHALL BE CLEAN AT THE TIME OF FINAL PROJECT ACCEPTANCE. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO CONSTRUCTION. NO SEPARATE MEASUREMENT AND PAYMENT WILL BE MADE FOR CLEANING OF STRUCTURES.

28. OSHA REQUIREMENTS EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR EMPLOYEES SAFETY.

29. EXISITNG UTLITIES IN PLAN ALL EXISTING UTILITIES SHOWN HEREIN WERE TAKEN FROM RECORD DRAWINGS, FIELD SURVEYS, C.O.A. SYSTEMS UTILITIES MAPS AND INFORMATION PROVIDED BY THE UTILITY OWNERS AND ARE APPROXIMATE. IT WILL BE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED AND TO PROVIDE PROTECTION FOR ALL UTILITIES WITHIN THE CONSTRUCTION AREA.

30. AVOIDING UTILITIES THE CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD THE CONTRACTOR BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS.

31. UTILITY RELOCATIONS THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY RELOCATION WORK BY THE UTILITY OWNERS MAY HAVE TO BE PERFORMED CONCURRENT WITH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN CONJUNCTION WITH CONSTRUCTION OPERATIONS AND SHALL BE REQUIRED TO COORDINATE THE SCHEDULING OF WORK WITH THE RESPECTIVE UTILITY OWNERS.

32. IF HUMAN REMAINS ARE ENCOUNTERED, THE CONTRACTOR SHALL CEASE ALL WORK, AND CONTACT THE OFFICE OF THE MEDICAL EXAMINER FOR FURTHER INSTRUCTIONS.

33. SUBGRADE PREPARATION THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK, OR TO THE RIGHT-OF-WAY.

34. THE CONTRACTOR SHALL NEVER UNNECESSARILY INTERFERE WITH OR INTERRUPT THE SERVICES OF ANY PUBLIC OR PRIVATE UTILITY HAVING PROPERTY WITHIN OR ADJACENT TO THE STREETS, ALLEYS AND EASEMENTS INVOLVED IN THE WORK AND SHALL TAKE ALL NECESSARY PRECAUTION AND EFFORT TO LOCATE AND PROTECT ALL UNDERGROUND CONDUIT, CABLES, PIPES, WATERLINES, SEWERS, STRUCTURES, GAS LINES, TREES, MONUMENTS, POWER LINES, TELEPHONE AND TELEGRAPH LINES, TRAFFIC CONTROL DEVICES AND OTHER STRUCTURES, BOTH BELOW AND ABOVE GROUND. THE CONTRACTOR SHALL GIVE ALL PUBLIC AND PRIVATE UTILITY COMPANIES PRIOR WRITTEN NOTICE, IN NO EVENT LESS THAN FORTY EIGHT (48) HOURS, FOR ANY WORK THAT THE CONTRACTOR CONTEMPLATES, WHICH WOULD INTERFERE IN ANY WAY WHATSOEVER WITH THE SERVICE OF ANY EXISTING PUBLIC OR PRIVATE UTILITY AND WATER AUTHORITY OR CITY-OWNED FACILITIES. IF SUCH PUBLIC OR PRIVATE UTILITY DOES NOT COOPERATE FOR THE PROTECTION OF ITS SERVICES, CONTRACTOR SHALL NOTIFY THE ENGINEER. UTILITY LINES IDENTIFIED ON PLANS SHALL BE LOCATED BY THE CONTRACTOR FAR ENOUGH IN ADVANCE OF CONSTRUCTION WORK IN ORDER THAT THE OWNER OF SUCH LINES MAY RAISE, LOWER, REALIGN OR REMOVE LINES AND STRUCTURES, IF NECESSARY, AND IN ORDER THAT ENGINEER MAY MAKE ANY LINE AND GRADE CHANGES NECESSARY SHOULD THE EXISTING UTILITY LINES CONFLICT WITH THE WORK UNDER CONSTRUCTION, PROVIDING SUCH ADJUSTMENTS DO NOT MATERIALLY AFFECT THE WORK. IN THE EVENT AN UNPLANNED CONFLICT BETWEEN AN EXISTING, BUT PREVIOUSLY UNIDENTIFIED, UTILITY LINE AND NEW CONSTRUCTION ARISES, BOTH THE OWNER OF SUCH LINE AND THE ENGINEER WILL BE NOTIFIED IMMEDIATELY BY THE CONTRACTOR. THE CONTRACTOR SHALL IMMEDIATELY REPORT ANY DAMAGES TO PUBLIC OR PRIVATE PROPERTY TO THE OWNER OF THE PROPERTY INVOLVED, AND TO THE ENGINEER.

35. SECURITY: THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AND PREVENTING UNAUTHORIZED ACCESS TO THE WORK SITE. MEASURES WILL INCLUDE CONTRACTED SECURITY PERSONNEL AND MAY ALSO INCLUDE TEMPORARY FENCING. THE COST OF SECURING THE WORK SITE SHALL BE INCIDENTAL TO CONSTRUCTION, AND NO ADDITIONAL MEASUREMENT OR PAYMENT SHALL BE MADE.

36. WORK COORDINATION: IT SHOULD BE ANTICIPATED THAT THERE WILL BE OTHER PROJECTS AND/OR CONSTRUCTION OCCURRING SIMULTANEOUSLY IN THE PROJECT AREA. THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE WITH OTHER CONTRACTORS OF ADJACENT PROJECTS UNDER CONSTRUCTION IN THE AREA. THE CONTRACTOR INSTALLING THE ELECTRICAL SWITCHGEAR AND INSTALLING REQUIRED CONCRETE PAD SHALL COORDINATE ALL WORK AND SCHEDULING WITH THE GENERAL CONTRACTOR FOR THE OVERALL PROJECT. THE SWITCHBOARD INSTALLATION CONTRACTOR SHALL ALSO COORDINATE WITH UNDERGROUND CONDUIT AND CONDUIT STUB UP LOCATIONS TO PROVIDE A COMPLETE AND OPERATING SYSTEM. THE COORDINATION EFFORTS WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR. COORDINATION CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF ABQ RIDE FOR RESOLUTION. THE GENERAL CONTRACTOR FOR THE SITE AND OVERALL PROJECT SHALL BE RESPONSIBLE FOR THE PROJECT SCHEDULE AND SHALL BE RESPONSIBLE FOR MANAGING COORDINATION BETWEEN ELECTRICAL CONTRACTORS.

SURVEY CONTROL

1. BEARINGS ARE BASED UPON THE NEW MEXICO STATE PLANE GRID BEARINGS (NAD 83-CENTRAL ZONE) AND WERE DERIVED BY GPS RTK OBSERVATIONS REFERENCED TO THE "TRIMBLE VRSNow REGIONAL RTK NETWORK". THE COORDINATES SHOWN HEREON ARE MODIFIED (SURFACE) N.M. STATE PLANE COORDINATES AND WERE SCALED BY THE PROJECT COMBINED FACTOR OF 1.000320629 AROUND AN ORIGIN OF 0,0.

2. ELEVATIONS ARE BASED UPON THE NAVD 88 DATUM, AND ARE REFERED TO THE "TRIMBLE VRSNow RTK NETWORK" WITH CHECKS TO THE NGS CONTROL STATIONS "NGS Q 424".

3. THE COORDINATES AND ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET.

4. FIELD SURVEY CONDUCTED BY COBB FENDLEY, ON FEBRUARY 17 – MARCH 7, 2017.

CONTROL POINTS				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP-10	1,488,232.77	1,495,543.51	5,206.53	#5 REBAR W/ PLASTIC CAP
CP-11	1,488,200.07	1,496,034.47	5,195.25	MAG NAIL W/ WASHER
CP-12	1,488,292.07	1,496,558.56	5,186.90	#5 REBAR W/ PLASTIC CAP

UTILITY CONTACTS:

Bustamante, Clara	Office phone: (505) 697-4212 Office fax: 344-0091	New Mexico Gas 4625 Edith Blvd. NE Albuquerque, NM 87107
Guy, Brianne	Office phone: (505) 241-3458	PNM – Electric Co. of NM 4201 Edith Blvd. NE Albuquerque, NM 87107
Mortus, Mike	Office phone: (505) 271-3644	Comcast/XFINITY Planning and Design Supervisor 4611 Montbel Place NE Albuquerque, NM 87107
Kniffin, Rosarito	Office phone: (505) 245-6374	CENTURY LINK/QWEST 4301 Boga NE Albuquerque, NM 87109
Luna, Damian	Office phone: (505) 289-3031	ABCWUA P.O. Box 568 Albuquerque, NM 87103
		NEW MEXICO ONE CALL SYSTEM CALL BEFORE YOU DIG (505) 260-1990

INCIDENTAL ITEMS:

ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIALS REQUIRED BY THE SPECIAL PROVISIONS, STANDARD DRAWINGS, SUPPLEMENTAL SPECIFICATIONS, OR THE STANDARD SPECIFICATIONS.

1. ACCESS. SEE GENERAL NOTE 2.
2. ALL NECESSARY CONSTRUCTION WORK PERMITS, SEE GENERAL NOTE 6.
3. CLEAR ZONE SHIELDING. SEE GENERAL NOTE 8.
4. AS-BUILT PLANS. SEE GENERAL NOTE 14.
5. GRAFFITI MAINTENANCE, SEE GENERAL NOTE 15.
6. SECURING THE WORK SITE, SEE GENERAL NOTE 35.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
"TRIMBLE VRSNow RTK NETWORK" WITH CHECKS TO NGS CONTROL STATION "NGS Q 424"

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY
INSPECTOR'S FIELD ACCEPTANCE BY
VERIFICATION BY
ANNOTATED BY
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
9/5/17
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY: PB	DATE 05/31/17
		DRAWN BY: PB	DATE 05/31/17
		CHECKED BY: PB	DATE 05/31/17

PARSONS BRINCKERHOFF

ABQ RIDE

CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
ABQ RIDE

ABQ RIDE DAYTONA DESIGN

GENERAL NOTES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No. COA 5658.05 | Zone Map No. J-09-Z | Sheet C-2

J:\33749 ABQ Ride Daytona Design\04 Engineering – COA 33749A\Plans\1_Sheets\GENERAL NOTES.dwg May 30, 2017 – 2:49pm Saved By: ramirezar

○ KEYED NOTES:

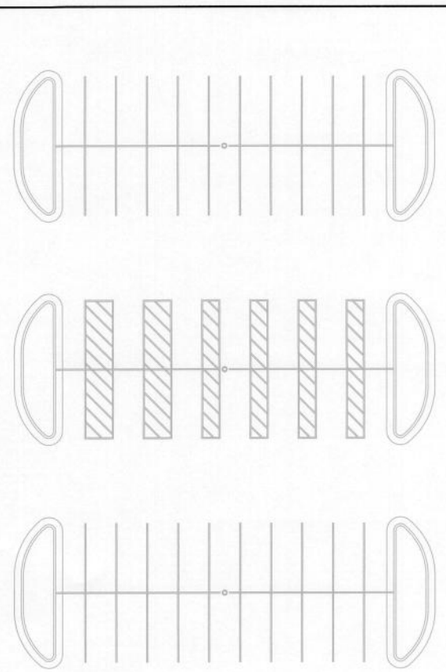
1. REMOVE EXISTING CURB INLET
2. REMOVE AND REPLACE EXISTING CURB AND GUTTER
3. REMOVE EXISTING WALL
4. REMOVE AND REPLACE EXISTING CONCRETE SIDEWALK TO NEAREST JOINT
5. REMOVE AND REPLACE EXISTING VALLEY GUTTER
6. REMOVE EXISTING PAVEMENT
7. REMOVE EXISTING COBBLE AND GRATE, SEE DETAIL, SHEET C-7
8. PROTECT EXISTING MONUMENT SIGN IN PLACE.

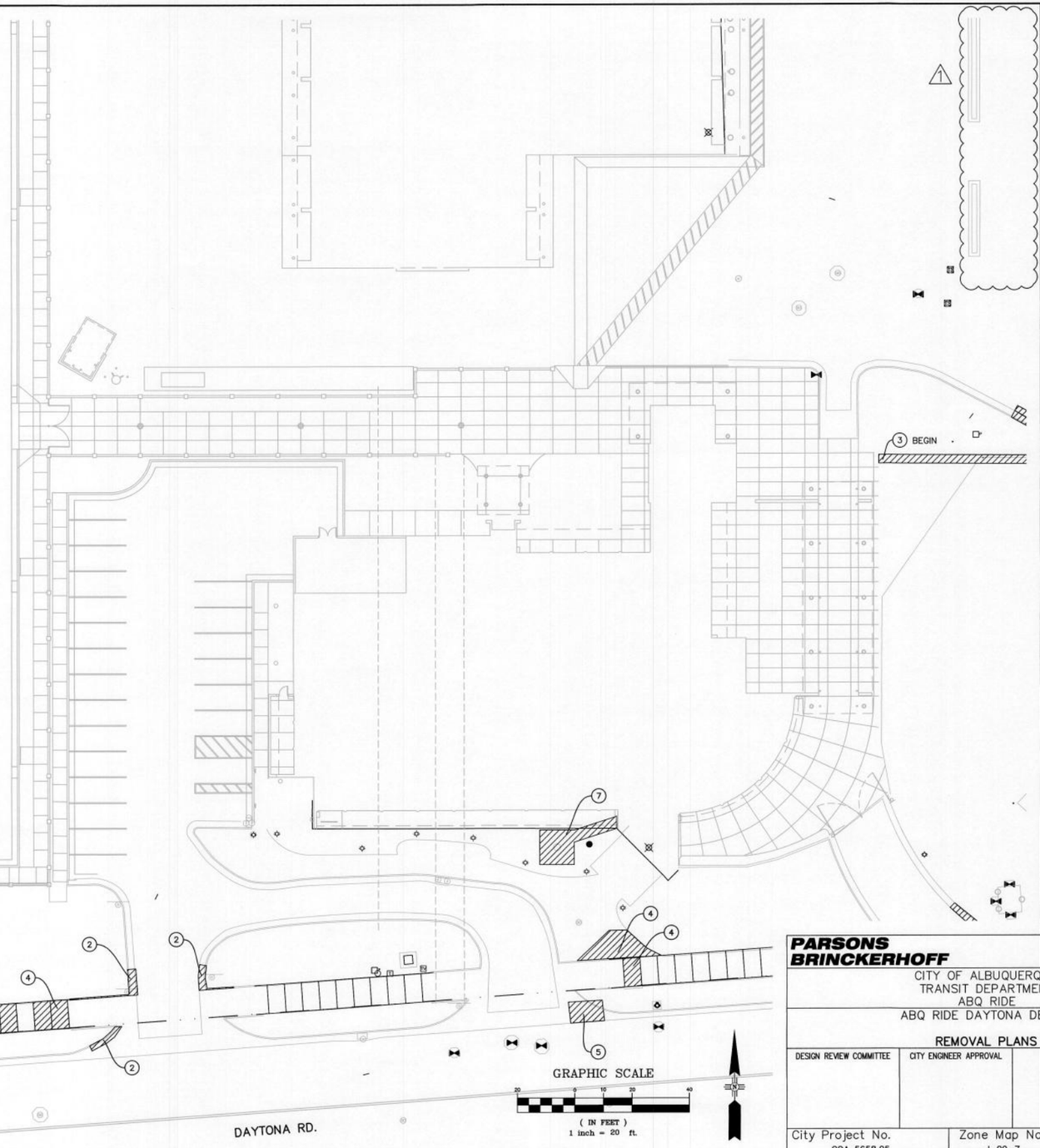
GENERAL NOTES:

1. ALL REMOVALS SHALL BE AS DIRECTED BY THE CITY PROJECT MANAGER.

LEGEND

REMOVAL AREA, AS DIRECTED





SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
"TRIMBLE VRSNow RTK NETWORK" WITH CHECKS TO NGS CONTROL STATION "NGS Q 424"

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTION BY
AS-BUILTS BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY

MICRO-FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
6/14/17

NO.	DATE	REMARKS	BY
6/13/17	PAVEMENT REMOVAL CHANGE		AR

DESIGN
DESIGNED BY: PB DATE 05/31/17
DRAWN BY: PB DATE 05/31/17
CHECKED BY: PB DATE 05/31/17

PARSONS BRINCKERHOFF

CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
ABQ RIDE
ABQ RIDE DAYTONA DESIGN

REMOVAL PLANS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. COA 5658.05 | Zone Map No. J-09-Z | Sheet C-4

J:\33749 ABQ Ride Daytona Design\04 Engineering - COA 33749A\Plans\3_Sheets\REMOVAL PLANS.dwg Jun 14, 2017 - 9:53am Saved By: ramirezar

Addendum No. 1
June 14, 2017

○ KEYED NOTES:

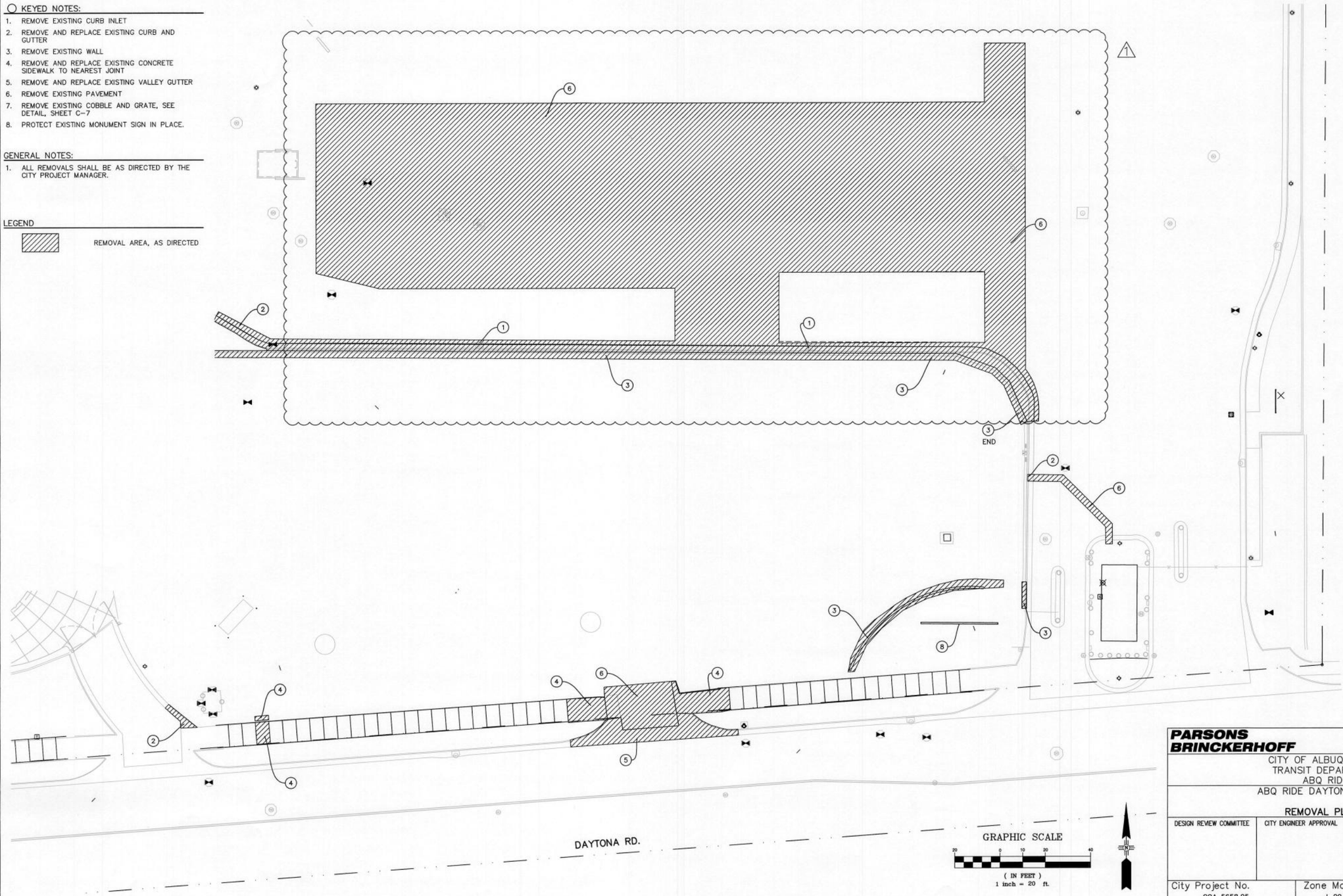
1. REMOVE EXISTING CURB INLET
2. REMOVE AND REPLACE EXISTING CURB AND GUTTER
3. REMOVE EXISTING WALL
4. REMOVE AND REPLACE EXISTING CONCRETE SIDEWALK TO NEAREST JOINT
5. REMOVE AND REPLACE EXISTING VALLEY GUTTER
6. REMOVE EXISTING PAVEMENT
7. REMOVE EXISTING COBBLE AND GRATE, SEE DETAIL, SHEET C-7
8. PROTECT EXISTING MONUMENT SIGN IN PLACE.

GENERAL NOTES:

1. ALL REMOVALS SHALL BE AS DIRECTED BY THE CITY PROJECT MANAGER.

LEGEND

REMOVAL AREA, AS DIRECTED



SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
"TRIMBLE VRSNow RTK NETWORK" WITH CHECKS TO NGS CONTROL STATION "NGS Q 424"

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTION BY
ACCEPTANCE BY
FIELD LOCATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
6/14/17

NO.	DATE	REMARKS	BY
6/13/17	AR	PAVEMENT REMOVAL CHANGE	

DESIGN

DESIGNED BY:	PB	DATE 05/31/17
DRAWN BY:	PB	DATE 05/31/17
CHECKED BY:	PB	DATE 05/31/17

PARSONS BRINCKERHOFF

CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
ABQ RIDE

ABQ RIDE DAYTONA DESIGN

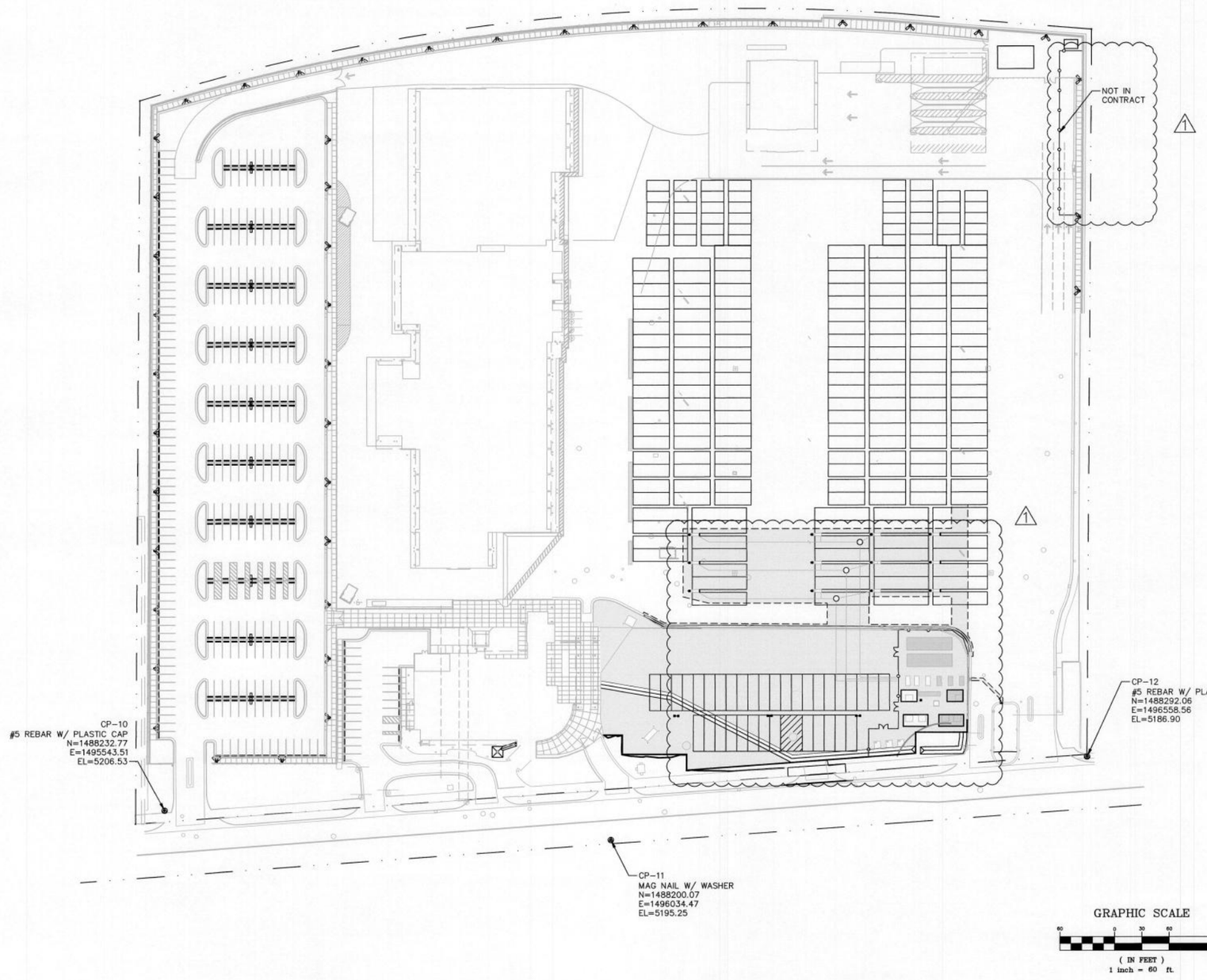
REMOVAL PLANS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
COA 5658.05	J-09-Z	C-5

J:\33749 ABQ Ride Daytona Design\04 Engineering - COA 33749A\Plans\3_Sheets\REMOVAL PLANS.dwg Jun 14, 2017 - 9:53am Saved By: ramirezar

Addendum No. 1
June 14, 2017



LEGEND

- PROPOSED PAVED AREA
- PROPOSED SAW CUT LINE
- PROPOSED VALLEY GUTTER
- PROPOSED CHAIN LINK FENCE
- PROPOSED DOUBLE GATES
- PROPOSED CMU WALL
- PROPOSED PARKING SPACE STRIPING
- PROPOSED ELECTRICAL CHARGING STATION
- LUMINARE

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)

1 inch = 60 ft.

N

AS BUILT INFORMATION

CONTRACTOR

WORK STARTED BY

INSPECTOR'S ACCEPTANCE BY

VERIFICATION BY

REVISIONS

CORRECTED BY

MICRO-FILM INFORMATION

RECORDED BY

NO.

BENCH MARKS

"TRIMBLE VRSNow RTK NETWORK" WITH CHECKS TO NGS CONTROL STATION "NGS Q 424"

DATE

SURVEY INFORMATION

FIELD NOTES

NO. BY

ENGINEER'S SEAL

JAMES H. BUCKMAN
NEW MEXICO
13062
6/14/17
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	SITE CONFIGURATION CHANGE	AR
1	6/13/17		

REMARKS	DESIGN	DATE	BY
DESIGNED BY:	PB	05/31/17	
DRAWN BY:	PB	05/31/17	
CHECKED BY:	PB	05/31/17	

PARSONS BRINCKERHOFF

CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
ABQ RIDE

ABQ RIDE DAYTONA DESIGN

SITE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
COA 5658.05	J-09-Z	C-6

J:\33749 ABQ Ride Daytona Design\04 Engineering - COA 33749A\Plans\3_Sheets\SITE PLAN.dwg Jun 14, 2017 - 9:50am Saved By: ramirezar

Addendum No. 1
June 14, 2017

KEYED NOTES:

1. SAW CUT LINE
2. CONCRETE CHARGING STATION ISLAND, SEE DETAIL SHEET C-10.
3. LANDSCAPE AREA, SEE DETAIL SHEET C-11 FOR GRADING TYPICAL.
4. WALL SEE SHEETS S-1 AND S-2.
5. PAVED AREA SEE PAVEMENT SECTION ON DETAIL SHEET C-10.
6. 6' DOUBLE GATE SEE COA STANDARD DWG. 2252.
7. 6' CHAIN LINK FENCE SEE COA STANDARD DWG. 2252.
8. VALLEY GUTTER "TYPE I", SEE SHEET C-10.
9. 4" U SHAPED BOLLARD. SEE DETAIL SHEET C-10.
10. VALLEY GUTTER "TYPE II" SEE DETAIL SHEET C-10.
11. BOLLARD, SEE COA STANDARD DWG. 2370.
12. PROPOSED SIDEWALK SEE COA STANDARD DWG. 2430.
13. PROPOSED CURB AND GUTTER SEE COA STANDARD DWG. 2451A.
14. REMOVE EXISTING GRATE AND REPLACE WITH BEEHIVE GRATE AND FRAME, SEE SHEET C-10.
15. 4" CONCRETE SIDEWALK APRON, SLOPE TO DRAIN.

KEYED NOTES:

- LIGHT, SEE SHEET E-300.
- LOCATION OF FUTURE ELECTRICAL PAD, TO BE ASPHALT PAVED
- ELECTRICAL PAD
- NEW PAVED AREA
- MAJOR CONTOUR (0.5' INTERVAL)
- MINOR CONTOUR (0.5' INTERVAL)
- EXISTING MAJOR CONTOUR (1' INTERVAL)
- EXISTING MINOR CONTOUR (1' INTERVAL)

CONCRETE DRAIN DETAIL
SCALE: 1"=10'

N: 1488337.07
E: 1496106.43

N: 1488337.30
E: 1496209.01

N: 1488337.32
E: 1496306.43

N: 1488354.46
E: 1496375.69

END

BEGIN

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
"TRIMBLE VRSNow RTK NETWORK" WITH CHECKS TO NGS CONTROL STATION "NGS Q 424"

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTION BY
ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
6	6/13/17	GRADING, ISLAND AND LIGHTING CHANGED	AR

DESIGN
DESIGNED BY: PB DATE 05/31/17
DRAWN BY: PB DATE 05/31/17
CHECKED BY: PB DATE 05/31/17

PARSONS BRINCKERHOFF

CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
ABQ RIDE

ABQ RIDE DAYTONA DESIGN

GRADING AND PAVEMENT PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
COA 5658.05	J-09-Z	C-7

J:\33749 ABQ Ride Daytona Design\04 Engineering - COA 33749A\Plans\3_Sheets\GRADING PLAN.dwg Jun 14, 2017 - 9:47am Saved By: ramirezar

Addendum No. 1
June 14, 2017

POINT (NO)	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1488316.05	1496026.24	5196.95	FG
2	1488316.05	1496047.27	5195.88	FG
3	1488294.94	1496047.27	5195.71	FG
1				
5	1488319.37	1496369.43	5192.01	FG
6	1488319.37	1496426.13	5190.38	FG
7	1488402.64	1496426.73	5192.26	FG
8	1488431.74	1496350.59	5193.54	FG
9	1488433.50	1496092.18	5193.90	FG
10	1488446.67	1496070.31	MATCH EXISTING	FG
11	1488434.21	1496014.96	MATCH EXISTING	FG
12	1488434.62	1496022.16	MATCH EXISTING	FG
13	1488375.78	1496023.49	5195.00	FG
14	1488371.77	1496023.23	5194.87	FG
15	1488367.72	1496023.21	5194.98	FG
16	1488362.58	1496101.87	5193.69	FG
17	1488358.74	1496100.60	5193.56	FG
18	1488354.90	1496099.32	5193.69	FG
1				
23	1488302.94	1496369.43	5191.89	FG
24	1488303.00	1496375.10	5189.39	FG
25	1488299.04	1496379.10	5189.31	FG
26	1488295.00	1496375.10	5189.39	FG
27	1488303.45	1496416.84	5189.60	FG
28	1488299.47	1496419.43	5189.52	FG
29	1488295.50	1496421.91	5189.62	FG
30	1488318.71	1496418.12	5189.72	FG
31	1488318.71	1496422.12	5189.60	FG
32	1488318.71	1496426.12	5189.72	FG
33	1488407.52	1496428.64	5191.94	MATCH EXISTING
34	1488432.88	1496403.81	5193.50	MATCH EXISTING
35	1488433.14	1496365.60	5193.74	MATCH EXISTING
36	1488476.79	1496395.70	-	CHARGING ISLAND
37	1488473.79	1496395.70	-	CHARGING ISLAND
38	1488476.78	1496389.20	-	CHARGING ISLAND
39	1488473.78	1496389.20	-	CHARGING ISLAND
40	1488504.79	1496395.67	-	CHARGING ISLAND
41	1488507.79	1496395.66	-	CHARGING ISLAND
42	1488504.79	1496389.17	-	CHARGING ISLAND
43	1488507.79	1496389.16	-	CHARGING ISLAND
44	1488535.80	1496395.63	-	CHARGING ISLAND
45	1488535.79	1496389.13	-	CHARGING ISLAND
46	1488538.80	1496395.63	-	CHARGING ISLAND
47	1488538.79	1496389.13	-	CHARGING ISLAND
48	1488473.71	1496330.86	-	CHARGING ISLAND
49	1488476.71	1496330.86	-	CHARGING ISLAND
50	1488476.70	1496324.36	-	CHARGING ISLAND
51	1488473.70	1496324.36	-	CHARGING ISLAND
52	1488504.72	1496330.82	-	CHARGING ISLAND
53	1488504.71	1496324.32	-	CHARGING ISLAND
54	1488507.72	1496330.82	-	CHARGING ISLAND
55	1488507.71	1496324.32	-	CHARGING ISLAND
56	1488538.72	1496330.78	-	CHARGING ISLAND
57	1488535.72	1496330.78	-	CHARGING ISLAND
58	1488535.71	1496324.28	-	CHARGING ISLAND
59	1488538.71	1496324.28	-	CHARGING ISLAND
60	1488473.63	1496265.70	-	CHARGING ISLAND
61	1488476.63	1496265.70	-	CHARGING ISLAND
62	1488476.62	1496259.20	-	CHARGING ISLAND
63	1488473.62	1496259.20	-	CHARGING ISLAND
64	1488504.64	1496265.67	-	CHARGING ISLAND
65	1488507.64	1496265.66	-	CHARGING ISLAND
66	1488507.63	1496259.16	-	CHARGING ISLAND
67	1488504.63	1496259.17	-	CHARGING ISLAND
68	1488538.64	1496265.63	-	CHARGING ISLAND
69	1488535.64	1496265.63	-	CHARGING ISLAND
70	1488535.63	1496259.13	-	CHARGING ISLAND
71	1488538.63	1496259.13	-	CHARGING ISLAND
72	1488473.47	1496130.70	-	CHARGING ISLAND
73	1488476.47	1496130.70	-	CHARGING ISLAND
74	1488476.46	1496124.20	-	CHARGING ISLAND
75	1488473.46	1496124.20	-	CHARGING ISLAND
76	1488507.47	1496130.66	-	CHARGING ISLAND
77	1488504.47	1496130.67	-	CHARGING ISLAND
78	1488507.46	1496124.16	-	CHARGING ISLAND
79	1488504.46	1496124.17	-	CHARGING ISLAND
1				
84	1488291.53	1495915.81	MATCH EXISTING	CONCRETE
85	1488303.53	1495915.81	MATCH EXISTING	CONCRETE
86	1488303.53	1495903.81	MATCH EXISTING	CONCRETE
87	1488291.53	1495903.81	MATCH EXISTING	CONCRETE

POINT (NO)	NORTHING	EASTING	ELEVATION	DESCRIPTION
4	1488294.935	1496118.19	5195.09	FG
19	1488277.566	1496118.19	5195.133	FG
20	1488296.153	1496369.433	5191.92	FG
21	1488299.868	1496365.432	5191.85	FG
22	1488304.175	1496369.431	5191.91	FG
23	1488286.037	1496232.7	5192.98	FG
80	1488538.478	1496130.625	-	CHARGING ISLAND
81	1488535.477	1496130.627	-	CHARGING ISLAND
82	1488535.469	1496124.127	-	CHARGING ISLAND
83	1488538.47	1496124.125	-	CHARGING ISLAND
88	1488290.11	1496233.532	5192.855	FG
89	1488294.182	1496234.363	5192.97	FG

1

1

1

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED ON:
WORK COMPLETED ON:
ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
"TRIMBLE VRSNow RTK NETWORK" WITH CHECKS TO NGS CONTROL STATION "NGS Q 424"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
6/19/17
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	6/15/17	COORDINATE VALUE CHANGE	AR

DESIGN
DESIGNED BY: PB DATE 05/31/17
DRAWN BY: PB DATE 05/31/17
CHECKED BY: PB DATE 05/31/17

PARSONS BRINCKERHOFF

ABQ RIDE

CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
ABQ RIDE
ABQ RIDE DAYTONA DESIGN

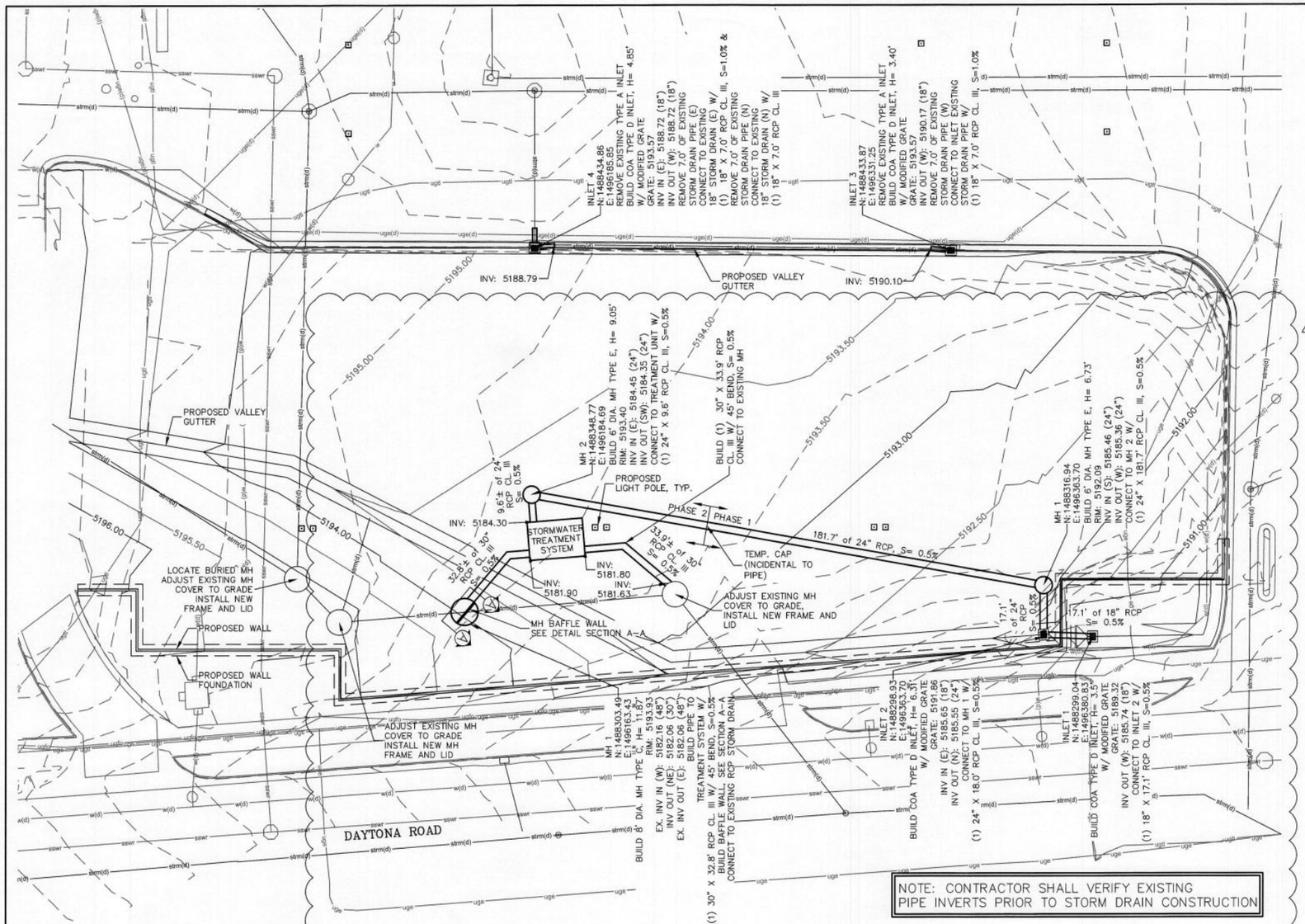
GRADING AND PAVEMENT PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No. COA 5658.05 | Zone Map No. J-09-Z | Sheet C-8

J:\33749 ABQ Ride Daytona Design\04 Engineering - COA 33749A\Plans\3_Sheets\GRADING PLAN.dwg Jun 14, 2017 - 10:02am Saved By: ramirezar

Addendum No. 1
June 14, 2017



1

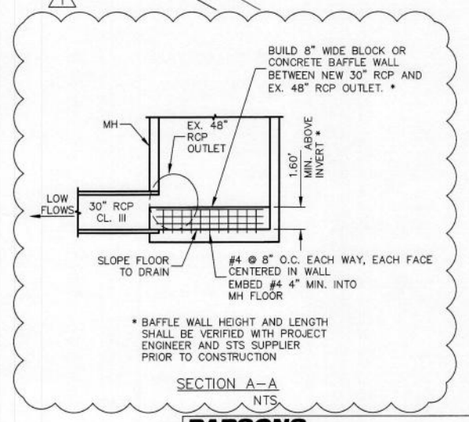
GENERAL NOTES:

1. PIPE LENGTHS AND SLOPES ARE MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE AND FROM THE CENTER OF INLET TO THE CENTER OF INLET.
2. SEE SHEET C-10 FOR MODIFIED INLET FRAME AND GRATE DETAILS
3. TO CONNECT NEW PIPES AT BENDS, SEE CONCRETE COLLAR DETAIL, SHEET C-11
4. FOR MANHOLES, SEE COA DWG. 2101.
5. FOR TYPE D INLETS, SEE COA DWG. 2206.
6. STORMWATER TREATMENT SYSTEM (STS) SHALL BE A MANUFACTURER DESIGNED STORMWATER POLLUTANTS SEPARATOR SYSTEM WITH A TREATMENT CAPACITY OF AT LEAST 25 CFS AND CAPABLE OF TRAPPING HYDROCARBONS, FLOATABLES, AND 80% OF TOTAL SUSPENDED SOLIDS. PAID FOR UNDER ITEM NO. 915.X2, STORMWATER TREATMENT SYSTEM, COMPLETE IN PLACE.

LEGEND:

- strm(d) — EXISTING STORM DRAIN SYSTEM
- sswr — EXISTING STORM SEWER
- w(d) — EXISTING WATER
- uge — EXISTING ELECTRIC
- ugfo — EXISTING FIBER
- ugtl — EXISTING TELEPHONE
- ■ PROPOSED INLET
- PROPOSED STORM DRAIN
- EXISTING 0.5' CONTOURS
- PROPOSED 0.5' CONTOURS

1



* BAFFLE WALL HEIGHT AND LENGTH SHALL BE VERIFIED WITH PROJECT ENGINEER AND STS SUPPLIER PRIOR TO CONSTRUCTION

SECTION A-A
NTS

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY
WORK COMPLETED BY
ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
"TRIMBLE VRSNow RTK NETWORK" WITH CHECKS TO NGS CONTROL STATION "NGS Q 424"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
6/14/17

NO.	DATE	REMARKS	BY
1	6.14.17	ADDED STS	CR

DESIGN
DESIGNED BY: PB DATE 05/31/17
DRAWN BY: PB DATE 05/31/17
CHECKED BY: PB DATE 05/31/17

PARSONS BRINCKERHOFF

CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
ABQ RIDE

ABQ RIDE DAYTONA DESIGN

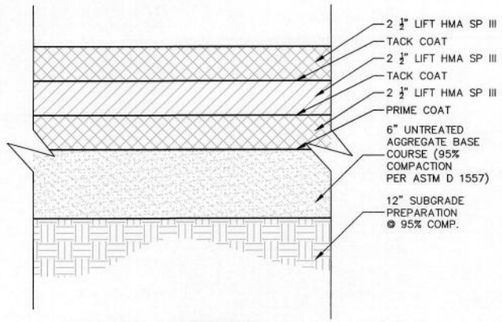
PROPOSED STORM DRAIN PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
COA 5658.05	J-09-Z	C-9

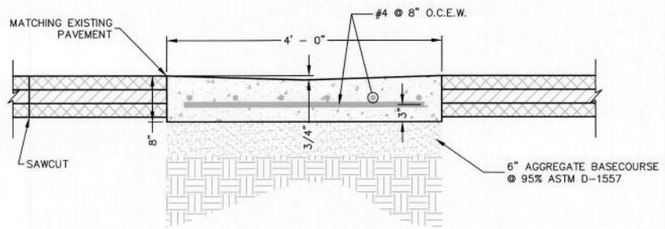
J:\33749 ABQ Ride Daytona Design\04 Engineering - COA 33749A\Plans\6_Sheets\DaytonaStormDrainPlan.dwg Jun 14, 2017 - 2:30pm Saved By: romocd

Addendum No. 1
June 14, 2017



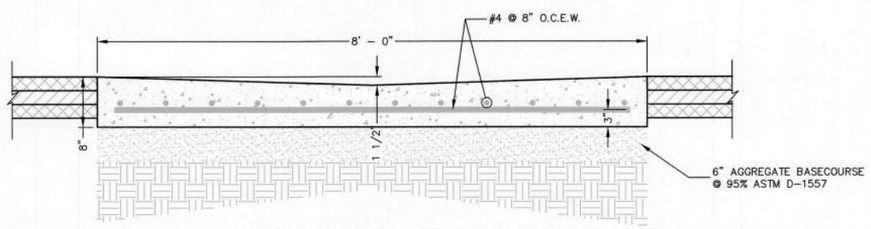
PAVEMENT SECTION

N.T.S.



1 / C-7 VALLEY GUTTER "TYPE I"

N.T.S.



VALLEY GUTTER "TYPE II"

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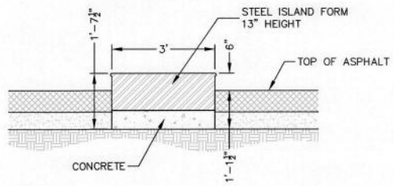
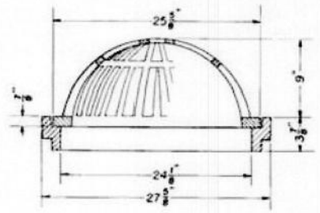


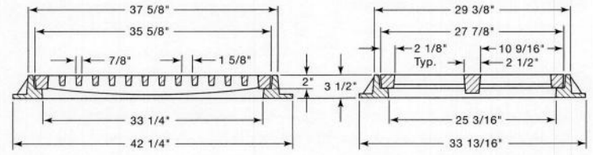
SECTION A-A

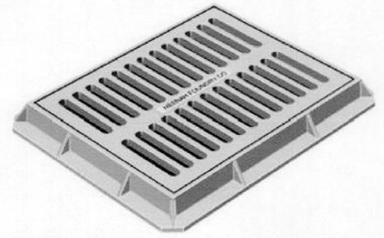
N.T.S.



BEEHIVE INLET FRAME AND GRATE DETAILS

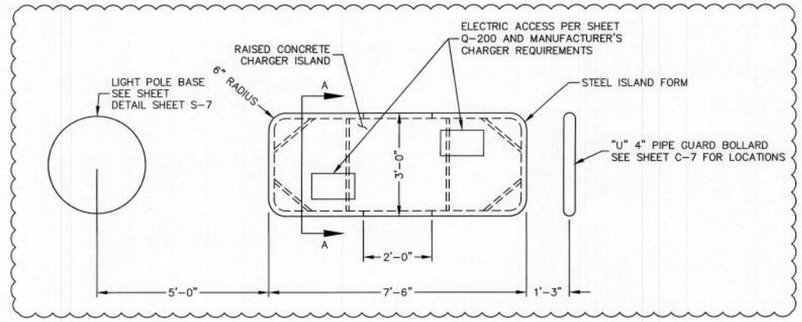
N.T.S.





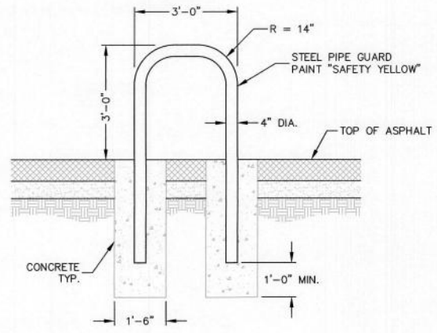
MODIFIED INLET FRAME AND GRATE DETAILS

N.T.S.



CONCRETE CHARGING STATION ISLAND

N.T.S.



"U" PIPE GUARD BOLLARD DETAILS

N.T.S.

FRAME & GRATE NOTES:
1. THE COST OF MODIFIED FRAMES AND GRATES SHALL BE INCLUDED IN THE COST OF THE MANHOLE OR INLET STRUCTURE.
2. THE COST OF THE BEEHIVE FRAME AND GRATE SHALL BE PAID FOR UNDER ITEM NO. 920.43, EXISTING MANHOLE FRAME & COVER, REMOVE & REPLACE, COMPLETE IN PLACE.

CHARGING STATION NOTES:
1. THE COST OF STEEL ISLAND FORM MATERIALS AND INSTALLATION SHALL BE INCIDENTAL TO ITEM NO. 501.110, STRUCTURAL REINFORCED PC CONCRETE, AND NO ADDITIONAL MEASUREMENT OR PAYMENT SHALL BE MADE.

PIPE GUARD NOTES:
1. "U" BOLLARDS SHALL BE PAID FOR UNDER ITEM NO. 550.05X, 4" "U" SHAPED GUARD POST, COMPLETE.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTION BY
ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
"TRIMBLE VRSNow RTK NETWORK" WITH CHECKS TO NGS CONTROL STATION "NGS Q 424"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 6/14/17

NO.	DATE	REMARKS	DESIGN	BY
1	6/13/17	BOLLARDS, ISLAND AND GRATE DETAIL	DESIGNED BY: PB DATE 05/31/17	AR
			DRAWN BY: PB DATE 05/31/17	
			CHECKED BY: PB DATE 05/31/17	

PARSONS BRINCKERHOFF

CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
ABQ RIDE

ABQ RIDE DAYTONA DESIGN

MISC DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
COA 5658.05	J-09-Z	C-10

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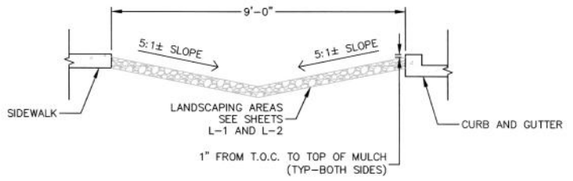
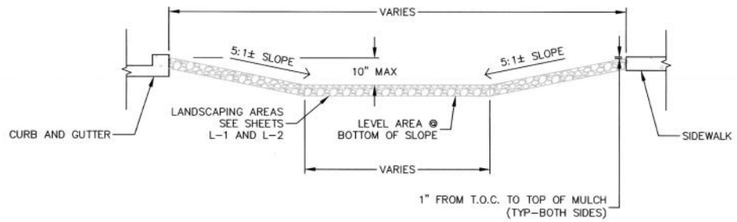
Addendum No. 1
June 14, 2017



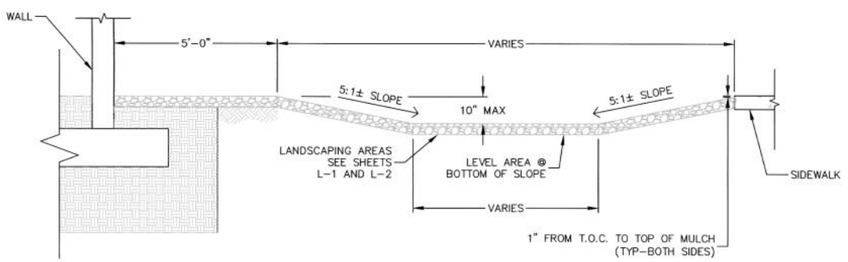
LANDSCAPE AREA SECTION, TYPICAL

N.T.S.



LANDSCAPE AREA SECTION, TYPICAL

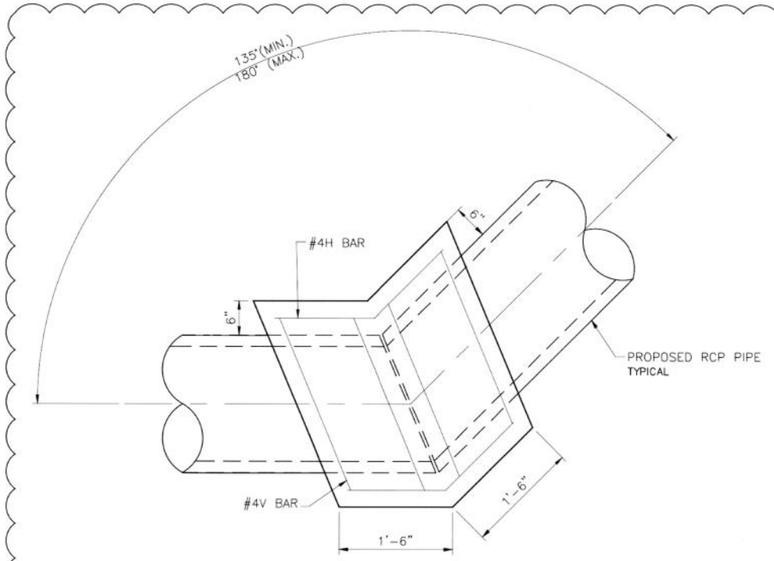
N.T.S.



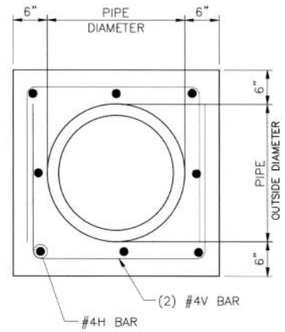
LANDSCAPE AREA SECTION, TYPICAL

N.T.S.

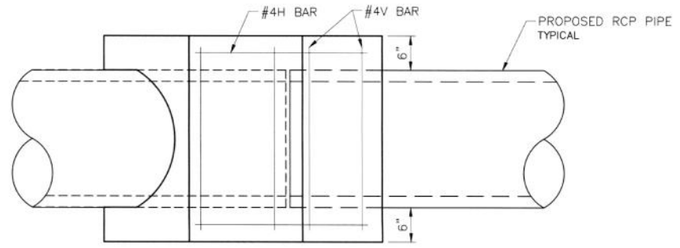
1



PLAN VIEW



SECTION VIEW



SIDE VIEW

CONCRETE COLLAR DETAILS

N.T.S.

CONCRETE COLLAR NOTES:

1. CONCRETE COLLARS SHALL BE USED ON ALL JOINTS AND CONNECTIONS BETWEEN EXISTING AND PROPOSED PIPES AND AS DEEMED NECESSARY BY THE ENGINEER. THE COST OF ALL LABOR, MATERIAL, AND EQUIPMENT ASSOCIATED TO CONSTRUCTION OF COLLARS SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROPOSED PIPE AND NO ADDITIONAL PAYMENT WILL BE MADE.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER.
3. THE HYDRAULIC FLOW LINE SHALL ALWAYS MATCH FROM ONE PIPE TO THE OTHER. THE CONTRACTOR SHALL SEAL THE OPENINGS BETWEEN DIFFERENT SIZE AND TYPE PIPES WITH FORM WORK TO PREVENT INTRUSION OF CONCRETE INTO THE PIPE OPENING.
4. THE END OF THE EXISTING AND PROPOSED PIPES SHALL BE MITERED EQUALLY TO APPROPRIATELY MATCH PIPE ENDS.
5. ALL CONCRETE SHALL BE 3500psi MIX. SEE SECTION 101 OF THE CITY STANDARD SPECIFICATIONS FOR HYDRAULIC STRUCTURES CONCRETE.
6. ALL REINFORCING BARS SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS M GRADE 60 UNLESS OTHERWISE NOTED.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
"TRIMBLE VRSNow RTK NETWORK" WITH CHECKS TO NGS CONTROL STATION "NGS Q 424"

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY
WORK ACCEPTANCE
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
6/15/17

NO.	DATE	BY	REMARKS
6/14/17		CR	CONCRETE COLLAR DETAIL ADDED

DESIGN
DESIGNED BY: PB DATE 05/31/17
DRAWN BY: PB DATE 05/31/17
CHECKED BY: PB DATE 05/31/17

PARSONS BRINCKERHOFF

CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
ABQ RIDE

ABQ RIDE DAYTONA DESIGN

MISC DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. COA 5658.05 | Zone Map No. J-09-Z | Sheet C-11

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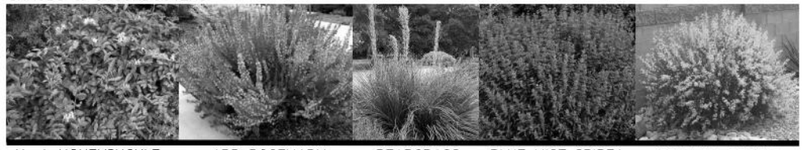
Addendum No. 1
June 14, 2017

PLANT IMAGES

TREES

SH. HONEY LOCUST | CHINESE PISTACHE | S. DESERT WILLOW | AUS. PINE | CHASTE TREE | C. F. PEAR

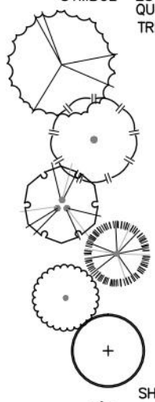
SHRUBS & GROUNDCOVERS



H. J. HONEYSUCKLE | ARP ROSEMARY | BEARGRASS | BLUE MIST SPIREA | SPANISH BROOM

RED YUCCA | RUSSIAN SAGE | POTENTILLA | AUTUMN SAGE | ADAMS NEEDLE | DEER GRASS | STIPA GRASS

PLANT LEGEND



SYMBOL	ESTIMATED QUANTITY	COMMON NAME	BOTANICAL NAME	INSTALLATION SIZE	MATURE HEIGHT	MATURE SPREAD
		TREES – RE: COA STANDARD DETAIL #2714				
	2	SHADEMASTER HONEY LOCUST	Gleditsia triacanthos var. inermis 'Shademaster'	2" CALIPER	40'	40'
	15	CHINESE PISTACHE	Pistacia chinensis	2" CALIPER	30'	30'
	7	SEEDLESS DESERT WILLOW	Chilopsis linearis 'Art's Seedless'	2" CALIPER MULTI–TRUNK	20'	25'
	4	AUSTRIAN PINE	Pinus nigra	6' HEIGHT	35'	25'
	4	CHASTE TREE	Vitex agnus–castus	2" CALIPER	25'	25'
	10	CHANTICLEER FLOWERING PEAR	Pyrus calleryana 'Chanticleer'	2" CALIPER	35'	25'
		SHRUBS, GRASSES, AND GROUNDCOVER – RE: COA STANDARD DETAIL #2717				
	9	HALL'S JAPANESE HONEYSUCKLE	Lonicera japonica 'Halliana'	1 GALLON	24"	96"
	8	ARP ROSEMARY	Rosmarinus officinalis 'Arp'	1 GALLON	36"	36"
	13	BEAR GRASS	Nolina microcarpa	1 GALLON	48"	48"
	5	BLUE MIST SPIREA DARK NIGHT	Caryopteris clandonensis 'Dark Knight'	1 GALLON	48"	48"
	13	SPANISH BROOM	Spartium junceum	1 GALLON	72"	72"
	37	RED YUCCA	Hesperaloe parviflora	1 GALLON	48"	48"
	6	RUSSIAN SAGE	Perovskia atriplicifolia	1 GALLON	36"	36"
	6	GOLD STAR POTENTILLA	Potentilla fruticosa 'Gold Star'	1 GALLON	24"	36"
	6	AUTUMN SAGE	Salvia greggii	1 GALLON	24"	24"
	12	ADAMS NEEDLE	Yucca filamentosa	1 GALLON	48"	36"
	39	DEER GRASS	Muhlenbergia rigens	1 GALLON	36"	36"
	28	STIPA GRASS	Stipa tenuissima	1 GALLON	18"	12"

LANDSCAPE MATERIALS

EST. QTY.	SYMBOL	TYPE
16,010 SF		3/4" CRUSHED GREY GRAVEL OVER FILTER FABRIC, 3" DEPTH
13,485 SF		1" BUILDOLOGY BROWN GRAVEL OVER FILTER FABRIC, 3" DEPTH (OR EQUAL)
31 EA		BOULDER – 2'X3'X2', COLOR: BASALT

LANDSCAPE NARRATIVE

ALL NEWLY LANDSCAPED AREAS WILL USE NATIVE, LOCALLY–SOURCED PLANTS, GRAVELS, AND BOULDERS. THE PLANTS FOR THIS DESIGN WERE SELECTED BASED ON THEIR SIZE, COLOR AND TEXTURE TO ENSURE FUNCTION AND AESTHETICS WITH THE BUILDING AND SITE PLAN. THE DESIGN INCLUDES ENHANCING ENTRIES AND DRIVE–PADS WITH LAYERED COLOR. TALLER EVERGREEN PLANTS ARE USED FOR SCREENING AT ADJACENT PROPERTIES AND SERVICE AREAS. GRAVEL AND COBBLE COLORS WERE SELECTED TO PROVIDE INTEREST AT EXISTING WALLS. WHERE POSSIBLE WATER HARVESTING SWALES WILL COLLECT RAINWATER IN LANDSCAPE AREAS.

PLANTING NOTES

1. THIS PLAN WAS DESIGNED BASED ON THE MINIMUM REQUIREMENTS FROM THE CITY OF ALBUQUERQUE MUNICIPAL CODE 14–16–3–10 LANDSCAPING REGULATIONS APPLICABLE TO NONRESIDENTIAL DEVELOPMENT. THIS PLAN IS FOR AN EXISTING CITY OF ALBUQUERQUE PROPERTY AND THE PROJECT IMPROVEMENT AREA IS LIMITED TO THE STREET FRONTAGE OF DAYTONA PL NW.
2. SPECIFICATIONS AND DETAIL DRAWINGS:
   2.1. THE CONTRACTOR SHALL REFER TO THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS AND DETAIL DRAWINGS FOR LANDSCAPE CONSTRUCTION.
3. FILTER FABRIC TO BE DEWITT PRO 5 OR EQUAL.
4. WATER HARVESTING OR DRAINAGE WAYS SHALL BE GRADED WITH POSITIVE DRAINAGE AWAY FROM BUILDINGS, CENTER OF EACH AREA 6" LOWER THAN EDGES. RE: CIVIL DRAWINGS.
5. NO STEEL EDGING TO BE USED. MULCH TRANSITION LINES ARE LINES REPRESENT THE CHANGE FROM ONE MATERIAL TO ANOTHER.
6. LANDSCAPE AREAS SHALL BE COVERED WITH GRAVEL AND FILTER FABRIC, SEE LEGEND FOR MATERIAL.
7. A PERMANENTLY INSTALLED IRRIGATION SYSTEM IS REQUIRED FOR ALL PLANT MATERIAL, RE: IRRIGATION DRAWINGS.
8. ESTIMATED PLANT AND MATERIAL QUANTITIES LISTED FOR BIDDING PURPOSES ONLY. CONTRACTOR RESPONSIBLE FOR PROVIDING ALL PLANTS AND MATERIALS AS SHOWN ON PLAN.
9. MAINTENANCE OF THE INSTALLED LANDSCAPE WILL BE THE RESPONSIBILITY OF THE OWNER. MAINTENANCE AND TRIMMING OF STREET TREES AND REPLACEMENT OF DEAD TREES ARE THE RESPONSIBILITY OF THE OWNER OF THE LOT ON WHICH THE TREE IS LOCATED.
10. EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION. CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO EXCAVATION. CALL N.M. ONE CALL AT 505–260–1990 FOR BLUE STAKING.
11. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING INFRASTRUCTURE DURING CONSTRUCTION.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
BENCH MARKS
MICRO–FILM INFORMATION
RECORDED BY
NO.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
5-31-17
KATIE L. PAQUETTE
No. 405
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
		DESIGN	DATE 05/31/17
		DESIGNED BY: KLP	DATE 05/31/17
		DRAWN BY: KLP	DATE 05/31/17
		CHECKED BY: KLP	

COLEMAN & ASSOCIATES
Landscape Architecture
Environmental Design
9511 Modesto Ave. NE
Albuquerque, NM 87122
Ph: 505-226-0588

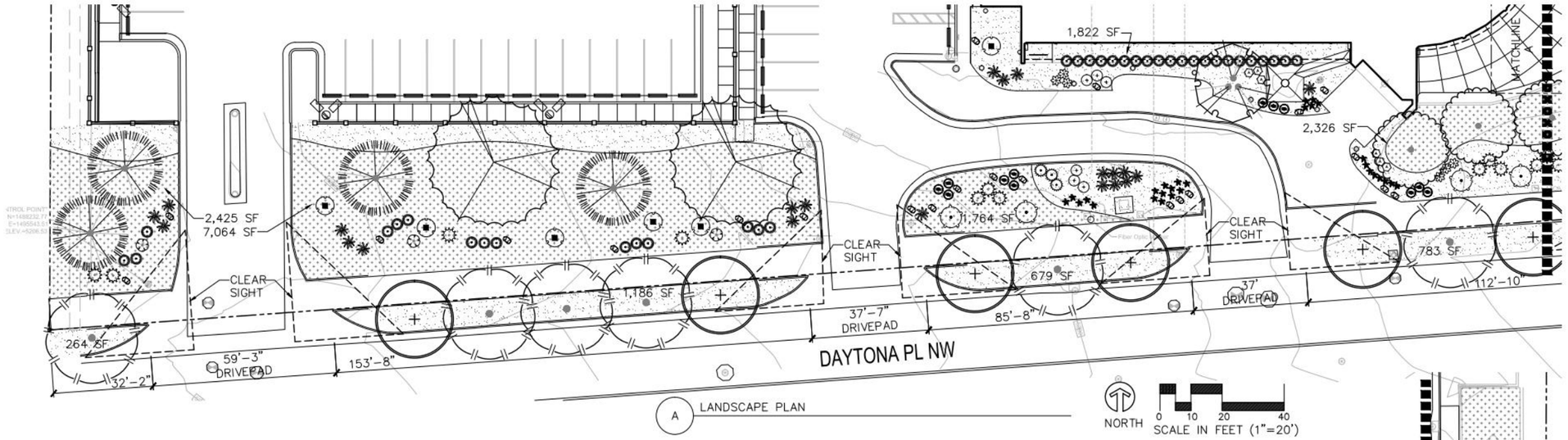
PARSONS BRINCKERHOFF

CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
ABQ RIDE

ABQ RIDE DAYTONA DESIGN
LANDSCAPE NOTES AND LEGEND

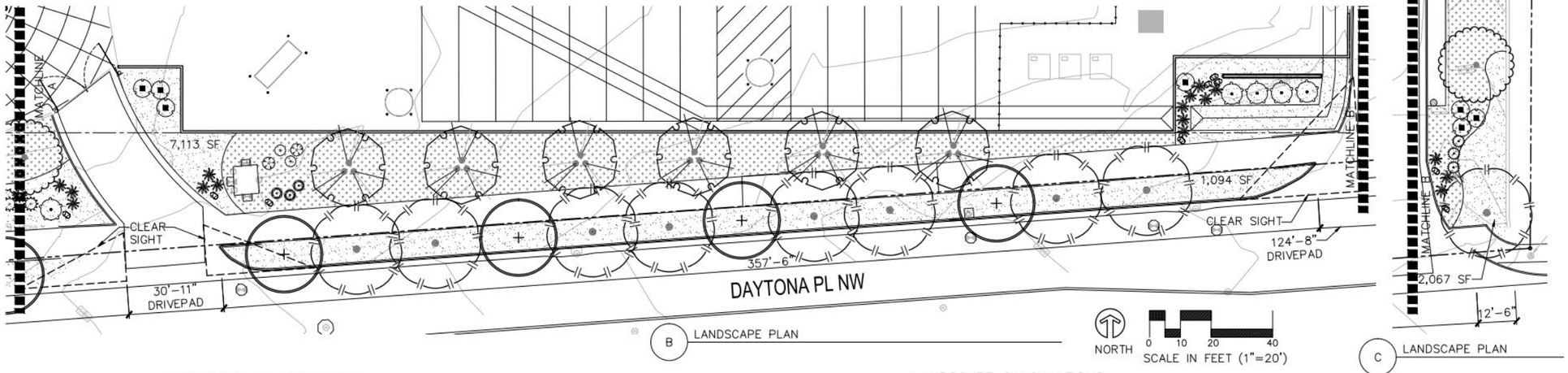
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
COA 5658.05	J–09–Z	L–1



A LANDSCAPE PLAN

NORTH SCALE IN FEET (1"=20') 0 10 20 40



B LANDSCAPE PLAN

NORTH SCALE IN FEET (1"=20') 0 10 20 40

C LANDSCAPE PLAN

LANDSCAPE REQUIREMENTS

ALBUQUERQUE CODE OF ORDINANCES REQUIREMENTS APPLYING TO THIS SITE:
Zoning: SU–1

- A minimum of 15% of the net lot area of each development shall be landscaped
- The total landscaped area shall have at least 75% coverage by living, vegetative materials
- Trees.
  1. Deciduous trees: Two inches in caliper measured six inches above grade
  2. Evergreen trees: six feet in height;
  3. Multi–trunk trees: Minimum of two trunks, with a combined minimum caliper of two inches
- Shrubs: one gallon
- Standard landscape buffers – required to separate off–street parking and circulation areas from front of premises
  1. Front 10' width landscape area
  2. Adequate room and spacing for required street trees at maximum of 25–30 feet spacing on–center
- Street Trees
  1. Size of the trees at maturity should be in proportion to the planting space provided for them. Spacing between evenly spaced street trees should be no greater than the diameter of the tree canopy at maturity
  2. Any street trees required by the city shall be planted within 20 feet of the back of curb of the abutting street

LANDSCAPE CALCULATIONS

DAYTONA LOT:
NET LOT AREA = LOT AREA (874,650 SF) – BLDG AREA (128,020 SF) = 746,630 SF

LANDSCAPE COVERAGE REQUIREMENT IS FOR 15% OF NET LOT AREA:
- REQUIRED LANDSCAPE AREA: 111,995 SF
- EXISTING LANDSCAPE AREA PROVIDED: 2,523 SF
- NEW PROVIDED: 28,587 SF
- TOTAL PROVIDED 31,110 SF (4.2%) NOT ADEQUATE

OFF STREET PARKING REQUIREMENTS:
NOT IN SCOPE OF THIS PROJECT, MAY INCREASE LANDSCAPE AREA FOR COVERAGE REQUIREMENT COMPLIANCE

DAYTONA STREET TREES
- AVAILABLE STREET FRONTAGE = 754.5'
- TREES REQUIRED: 754 / 30 = 25 TREES REQUIRED
- PROVIDED: 25 TREES

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City Project No.	Zone Map No.	Sheet
COA 5658.05	J–09–Z	L–2