CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



April 11, 2019

J. Graeme Means, P.E. High Mesa Consulting Group 6010 B Midway Park Blvd NE Albuquerque, NM 87109

RE: Lexus Parking Lot Expansion 4811 Pan-American NE Grading Plan Stamp Date: 4/4/19 Hydrology File: F17D102

Dear Mr. Means,

Based on the submittal received on 4/5/19, this project is approved for grading and paving permit.

PO Box 1293

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

Albuquerque

Sincerely,

NM 87103

Dana Peterson, P.E.

www.cabq.gov Senior Engineer, Planning Dept.

Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Bu		ermit #:	Hydrology File #:			
DRB#:EPC#:						
Legal Description:						
City Address:						
Applicant:			Contact:			
Address:						
Phone#:	Fax#:		E-mail:			
Other Contact:			Contact:			
Address:						
Phone#:	Fax#:		E-mail:			
TYPE OF DEVELOPMENT:	PLAT (# of lots)	RESIDENCE _	DRB SITE ADMIN SI			
IS THIS A RESUBMITTAL?	Yes No					
DEPARTMENT TRANSPOR	RTATIONHY	DROLOGY/DRAINAC	GE			
Check all that Apply: TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CER PAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMEN ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAY TRAFFIC IMPACT STUDY (T STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING?	IT PERMIT APPLIC YOUT (TCL) IS)	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 FLOODPLAIN DEVELOPMENT PERMIT OTHER (SPECIFY)				
	D					

FEE PAID:_____



City of Albuquerque Treasury J-24 Deposit : 4/5/2019 Office: ANNO

Date: 4/5/2019 Offic Station ID Cashi Batch: 10208 Trans

Cashier: E41709 Trans: 4 Activity ID75447210

TREASURY DIVISION DAILY DEPOSIT Account: 305 Activit Project Bus. Uni

Project ID24_MS4
Bus.Unit: PCDMD

Alloc Amt: \$6,800.00 Trans Amt: \$6,800.00 Check Tendered:

*4.200 00

Transmittals for: PROJECTS Only

Payment In-Lieu for Storm Water Quality Volume Requirement

CASH COUNT	AMOUNT	ACCOUNT NUMBER	FUND NUMBER	BUSINESS UNIT	PROJECT ID	ACTIVITY ID	AMOUNT
TOTAL CHECKS	\$ 6800.00	461615	305	PCDMD	24_MS4	7547210	\$ 6800.00
TOTAL AMOUNT						TOTAL DEPOSIT	\$6800.00

Hydrology#: E17D102	Name -	Laura Dilatarras de	00074-5:
Hydrology#: F17D102 Payment In-Lieu For Storm Water Quality Volume Requirement	_ iname:	Lexus P-lot expansion,	393778f imp.
Address/Legal Description: 4811 Pan American NE Tr B, LLD Subdivision (2004C-	-102)		
DEPARTMENT NAME: Planning Department/Developme	ent Reviev	v Services, Hydrology	
PREPARED BYDana Peterson	PHONE	924-3695	
BUSINESS DATE 3/27/19			
DUAL VERIFICATION OF DEPOSIT EMPLOYEE SIGNATURE EMPLOYEE SIGNATURE	URE		APR 05 2019
REMITTER:		 -	
AMOUNT:		-	
BANK:		**************************************	
CHECK #: DATE ON CHECK:			
The Payment-in-Lieu can be paid at the Plaza del Sol Trinvoice to the Treasury and provide a copy of the rece	reasury, eipt to Hy	600 2 nd St. NW. Bring drology, Suite 201, 600	two copies of this 2 nd St. NW, or e-mail

with the Hydrology submittal to PLNDRS@cabq.gov.

DRAINAGE PLAN:

INTRODUCTION AND EXECUTIVE SUMMARY

THE SITE IS LOCATED IN CENTRAL ALBUQUERQUE NORTHEAST OF THE INTERSECTION OF INTERSTATE 25 AND THE AMAFACA NORTH DIVERSION CHANNEL. THE PROJECT IS A REDEVELOPMENT OF A FORMER RESTAURANT SITE INTO A NEW PAVED PARKING LOT FOR VEHICLE SALES AND DISPLAY. THIS SUBMITTAL FOLLOWS THE INTENT OF THE PREVIOUSLY APPROVED DRAINAGE PLANS FOR THE SITE AND SURROUNDING AREAS. THIS SUBMITTAL IS MADE TO SUPPORT GRADING AND PAVING APPROVAL.

II. PROJECT DESCRIPTION:

AS SHOWN BY VICINITY MAP F-17 HEREON, THE NEW LEXUS PARKING LOT EXPANSION IS LOCATED ON THE SOUTHBOUND I-25 FRONTAGE ROAD, EAST OF THE AMAFCA NORTH DIVERSION CHANNEL. THE DRAINAGE PATTERNS WILL REMAIN CONSISTENT WITH THOSE ESTABLISHED BY PREVIOUS PLANS THAT SUPPORT THE CONTINUED FREE DISCHARGE OF DEVELOPED RUNOFF TO NMDOT RIGHT-OF-WAY.

AS SHOWN BY PANEL 138 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS, BERNALILLO COUNTY, NEW MEXICO, AND INCORPORATED AREAS, DATED AUGUST 16, 2012, THE SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE.

OFFSITE FLOWS DO NOT IMPACT THE SITE.

III. BACKGROUND DOCUMENTS:

THE FOLLOWING DOCUMENTS WERE USED IN THE PREPARATION OF THIS SUBMITTAL:

GRADING AND DRAINAGE PLAN FOR DICKEY'S BARBECUE DATED 11/19/1999 (F16/D19) PREPARED BY ISAACSON & ARFMAN. THIS WAS THE ORIGINAL PLAN FOR THE DEVELOPMENT OF A RESTAURANT AT THIS SITE. THIS PLAN JUSTIFIED AND PROVIDED FOR FREE DISCHARGE OF DEVELOPED RUNOFF TO THE I-25 FRONTAGE ROAD DITCH WITH AN 80% IMPERVIOUS LAND TREATMENT.

2) GRADING AND DRAINAGE PLAN FOR ROCKY MOUNTAIN STONE COMPANY DATED 12/08/04 (F16-D19) PREPARED BY MOLZEN-CORBIN & ASSOCIATES. IN ADDITION TO SUPPORTING THE ROCKY MOUNTAIN STONE FACILITY, THIS PLAN ALSO SUPPORTED THE CONSTRUCTION OF A NEW SHARED PRIVATE ACCESS ROAD ALONG THE SITE'S WESTERN FRONTAGE WITH MODIFICATIONS TO THE ACCESS AND EXPANDED PARKING. SHEET D-1 OF THIS SUBMITTAL DEPICTS DEVELOPED CONDITIONS "DRAINAGE AREA NO.1" WHICH IS A 1.21 ACRE BASIN THAT ENCOMPASSES THE REVISED DICKEY'S SITE BASED ON AN ASSUMED 100% IMPERVIOUS LAND TREATMENT. THIS BASIN CORRELATES TO THE CURRENT PROJECT LIMITS AND THIS PLAN SUPPORTED AND JUSTIFIED FREE DISCHARGE DIRECTLY TO THE SOUTH TO THE I-25 FRONTAGE

THE PROPOSED NEW LEXUS PARKING LOT EXPANSION WILL MAINTAIN THE CONCEPT OF FREE DEVELOPED DISCHARGE TO THE SOUTH TO THE I-25 FRONTAGE ROAD, CONSISTENT WITH THE DRAINAGE REQUIREMENTS AND PATTERNS ESTABLISHED BY PREVIOUS SUBMITTALS.

IV. EXISTING CONDITIONS:

THE SITE WAS PREVIOUSLY DEVELOPED AS A RESTAURANT WITH PAVED PARKING AND LANDSCAPING. AS DESCRIBED BY THE REFERENCE DOCUMENTS, THE SITE DRAINED FROM NORTHEAST TO SOUTHWEST TO THE I-25 FRONTAGE ROAD DITCH. THE SITE HAS BEEN ACQUIRED BY THE LEXUS OWNERS WHO DEMOLISHED THE RESTAURANT AND ASSOCIATED SITE WORK IN ANTICIPATION OF THIS PROJECT. OFFSITE DRAINAGE DOES NOT IMPACT THE SITE.

DEVELOPED CONDITIONS

THE PROPOSED IMPROVEMENTS INCLUDE A NEW VEHICLE SALES AND DISPLAY AREA WITH PAVED PARKING AND LANDSCAPING IMPROVEMENTS. THIS PROJECT WILL BE AN EXPANSION OF THE PREMISES FOR THE EXISTING LEXUS DEALERSHIP. THE SITE WILL CONTINUE TO DRAIN FROM NORTHEAST TO SOUTHWEST WITH THE EXCEPTION OF THE EASTERN PORTION OF THE PROJECT WHERE THERE IS AN EXISTING RIDGELINE THAT WILL BE MAINTAINED TO PRECLUDE CROSS-LOT DRAINAGE. THE SITE WILL CONTINUE TO OUTFALL TO THE I-25 FRONTAGE ROAD DITCH. THERE WILL NOT BE ANY GRADING OR CONSTRUCTION WITHIN I-25 RIGHT-OF-WAY.

VI. GRADING PLAN

THE GRADING PLAN HEREON SHOWS: 1) EXISTING GRADES INDICATED BY SPOT ELEVATIONS AND CONTOURS FROM THE TOPOGRAPHIC AND UTILITY SURVEY CONDUCTED BY THIS OFFICE DATED 11/20/2018 (NMPS 11184), 2) PROPOSED GRADES INDICATED BY SPOT ELEVATIONS, CONTOURS, TOP OF CURB ELEVATIONS AND FLOWLINES, 3) THE LIMIT AND CHARACTER OF THE EXISTING IMPROVEMENTS AS SHOWN BY THE AFOREMENTIONED SURVEY, 4) THE LIMIT AND CHARACTER OF THE PROPOSED IMPROVEMENTS, AND 5) CONTINUITY BETWEEN PROPOSED AND EXISTING GRADES.

VII. CALCULATIONS

CALCULATIONS ANALYZING THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT WERE PREPARED FOR THE PROJECT LIMITS. THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2. HYDROLOGY, OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2. DESIGN CRITERIA HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED. THE EXISTING CONDITIONS LAND TREATMENTS (80% D, 10% C, 10% B) WERE TAKEN FROM REFERENCE 1. AS SHOWN BY THE CALCULATIONS HEREON. THERE WILL BE A SMALL DECREASE IN VOLUME AND PEAK FLOW RATE FOR THE 100-YEAR STORM WHEN COMPARED TO THE PREVIOUS DEVELOPED CONDITION.

VIII. STORMWATER QUALITY

CALCULATIONS WERE PERFORMED FOR THE 80TH PERCENTILE STORM UNDER THE REDEVELOPMENT CRITERIA OF 0.26 INCHES TIMES THE IMPERVIOUS AREA. AS SHOWN BY THE CALCULATIONS, THIS VOLUME IS 850 CUBIC FEET. ALTHOUGH ON-SITE MITIGATION COULD BE PROVIDED BY REDUCING PARKING AREA. PROVIDING UNDERGROUND STORAGE. BILLBOARD RELOCATION, OR THE RELOCATION OF EXISTING UTILITIES, THE DEVELOPER HAS INSTEAD ELECTED TO PAY THE CASH—IN—LIEU FEE FOR THE 850 CUBIC FEET OF RUNOFF GENERATED BY THE 80TH PERCENTILE EVENT.

1) THE RUNOFF GENERATED BY THE PROPOSED IMPROVEMENTS WILL CONTINUE TO DRAIN VIA SURFACE DRAINAGE TO THE SOUTHWEST CORNER OF THE SITE AND OUT TO THE I-25 FRONTAGE ROAD.

THE PRPOSED REDEVELOPMENT WILL RESULT IN A MINOR DECREASE IN THE VOLUME AND PEAK RATE OF DISCHARGE AND WILL NOT HAVE AN ADVERSE IMPACT ON DOWNSTREAM CONDITIONS. FREE DISCHARGE OF RUNOFF FROM THIS SITE AT THE PROPOSED RATES IS APPROPRIATE AND IN COMPLIANCE

4) ONSITE MEASURES ARE NOT FEASIBLE FOR ADDRESSING STORMWATER QUALITY VOLUME RETENTION AND THE PROJECT WILL PAY THE CASH-IN-LIEU FEE.

THIS SUBMITTAL SUPPORTS GRADING AND PAVING PERMIT APPROVALS.

WITH PREVIOUSLY APPROVED PLANS FOR THIS SITE.

CALCULATIONS:

D. LAND TREATMENTS

I. SITE CHARACTERISTICS

PRECIPITATION ZONE =

2.35 TOTAL PROJECT AREA (A_T) =|-1.28 AC

	EXISTING LAND TREATMENT				REDEVELOPED LAND TREATMENT			
	EXISTING AREA	55,866 SF 1.28 AC AREA (SF/AC) %		REDEVELOPED AREA	55,866	SF	-	
	EXISTING AREA			REDEVELOPED AREA	1.28 AC			
	LAND TREATMENT			LAND TREATMENT	AREA (SF/AC)		%	
	А				А			
	ζ							
	В	5,586	SF	10%	В			
	Ь	0.13	AC					
	С	5,586	SF	10%	С	16,495	SF	30%
	Ö	0.13	AC			0.38	AC	
	D	44,694	SF	80%	D	39,371	SF	70%
ı	U	400	4.0	00%		0.00	4.0	

5.5 CFS

8,520 CF

5.4 CFS

(DECREASE)

(DECREASE)

-0.1 CFS

A. EXISTING CONDITION 100 YEAR STORM

1. EXISTING AREA

a. VOLUME 100-YR, 6-HR $WT_E = (E_A \cdot A_A + E_B \cdot A_B + E_C \cdot A_C + E_D \cdot A_D)/A_T$

 \Rightarrow (0.53 • 0.00) + (0.78 • 0.13) + (1.13 • 0.13) + (2.12 • 1.03)/1.28 = \Rightarrow (1.89/12) • 1.28 = 0.2020 AC-FT = 8,800 CF $V_{100,6 HR} = (E_W/12) \cdot A_T$ b. PEAK DISCHARGE 100-YR

\Rightarrow (1.56 • 0.00) + (2.28 • 0.13) + (3.14 • 0.13) + (4.70 • 1.03) =

 $Q_{100} = Q_A \cdot A_A + Q_B \cdot A_B + Q_C \cdot A_C + Q_D \cdot A_D$

B. REDEVELOPED CONDITION 100 YEAR STORM REDEVELOPED AREA

a. VOLUME 100-YR, 6-HR $WT_E = (E_A \cdot A_A + E_B \cdot A_B + E_C \cdot A_C + E_D \cdot A_D)/A_T$

 \Rightarrow (0.53 • 0.00) + (0.78 • 0.00) + (1.13 • 0.38) + (2.12 • 0.90)/1.28 = \Rightarrow (1.83/12) • 1.28 = **0.1956 AC-FT** = $V_{100,6 HR} = (E_W/12) \cdot A_T$

b. PEAK DISCHARGE 100-YR

 $Q_{100} = Q_A \cdot A_A + Q_B \cdot A_B + Q_C \cdot A_C + Q_D \cdot A_D$ \Rightarrow (1.56 • 0.00) + (2.28 • 0.00) + (3.14 • 0.38) + (4.70 • 0.90) =

c. FIRST FLUSH VOLUME

 $V_{FF} = ((P_{FF})/12) \cdot A_{D}$

 \Rightarrow ((0.26)/12) • (0.90) = 0.0196 AC-FT =

C. COMPARISON 100 YEAR STORM EXISTING VS REDEVELOPED

a. VOLUME 100-YR, 6-HR $\Delta V_{100, 6 HR} = 8520 - 8800 =$ -280 CF

b. PEAK DISCHARGE 100-YR

D. CONCRETE RUNDOWN CAPACITY (MANNING'S EQUATION)

Q₁₀₀=5.4 cfs w= 2.0 ft h=0.67 ft s=0.0067

> n=0.013 $Q_{CAP} = 6.8 \text{ cfs} > Q_{100}$

LEGEND

OHE(2)

PVC

OVERHEAD ELECTRIC (# OF LINES)

OVAL CORRUGATED METAL PIPE

REINFORCED CONCRETE PIPE

PAINTED ISLAND

PARKING STRIPE

POLYVINYL CHLORIDE

AREA LIGHT WITH CMU GUARDS RIVER ROCK ROCK STEPS ASPHALT RAMP RS ARV WATER AIR RELEASE VALVE SANITARY SEWER **ASPH** ASPHALT STORM DRAIN COMMUNICATION STORM DRAIN BY PAINT MARK CURB AND GUTTER SILT FENCE C/PM COMMUNICATION BY PAINT MARK SGP STEEL GUARD POST CONCRETE CURB STEEL POLE CARSONITE COMMUNICATIONS MARKER CMK TOP OF ASPHALT CMP CORRUGATED METAL PIPE TOP OF CURB CMR TOP OF CONCRETE COMMUNICATIONS RISER TCO CMU CONCRETE MASONRY UNIT WALL TRAFFIC SIGN TOP OF WALL CO SANITARY SEWER CLEANOUT CONC CONCRETE TYPICAL COP CURB OPENING VCP VITRIFIED CLAY PIPE CONCRETE PAD CP VHP VERY HIGH PRESSURE CPB COMMUNICATIONS PULLBOX WATERLINE CR CONCRETE RAMP WATERLINE BY PAINT MARK CRD CONCRETE RUNDOWN WATER METER BOX CSW CONCRETE SIDEWALK WOOD POWER POLE DCO DOUBLE SANITARY SEWER CLEANOUT WATER VALVE BOX ELECTRIC BY PAINT MARK PAINTED UTILITY MARKER EDGE OF ASPHALT DIAMETER OF TREE 1.2'ø EDGE OF CONCRETE ELECTRIC CONDUIT DECIDUOUS TREE ELECTRIC METER ELECTRIC OUTLET ELECTRIC PANEL SHRUB EPB ELECTRIC PULLBOX ELECTRIC TRANSFORMER SMALL SHRUB ELECTRIC VAULT FIRE HYDRANT YUCCA G/PM GAS BY PAINT MARK GLM CARSONITE GAS LOCATION MARKER TREE STUMP GRV GRAVFI GREASE TRAP LANDSCAPE ROCK/BOULDER GAS VALVE INVERT FLEVATION IRRIGATION VALVE BOX TOP OF ASPHALT PAVEMENT LSD LANDSCAPE DIVIDER MED MEDIAN TOP OF CURB MFP METAL FENCE POST TOP OF GRATE MANHOLE + 20.05 EXISTING SPOT ELEVATION MLP METAL LIGHT POLE WITH CONCRETE BASE METAL POLE PROPOSED SPOT ELEVATION OHC(2) OVERHEAD COMMUNICATION (# OF LINES)

EXISTING FLOWLINE PROPOSED FLOWLINE EXISTING CONTOUR

____ . . .

— ···

_-4920--

----20----

 \triangleleft

_---

__ __ __ _

_ _ + _ _ _

GENERAL NOTES:

CONSTRUCTION-1986-UPDATE NO. 9.

(LINE-SPOTTING) OF EXISTING PUBLIC UTILITIES.

REGULATIONS CONCERNING SAFETY AND HEALTH.

REFER TO SECTION 4.4 OF THE SPECIFICATIONS

LOCATION OR AS INDICATED BY THIS PLAN SET.

OSHA 29 CFR 1926, SUBPART P-EXCAVATIONS

OF THE CURB AND GUTTER.

PROPOSED CONTOUR EXISTING DIRECTION OF FLOW PROPOSED DIRECTION OF FLOW RIGHT OF WAY LINE

PUBLIC EASEMENT LINE HIGH POINT / DIVIDE

PROPOSED CONCRETE

PROPOSED ASPHALT PAVING

PROPOSED COBBLE STONE

C - 001

C - 101

C - 102

C - 103

C - 104

C - 105

C - 106

LS-01

WHETHER PERMANENT OR TEMPORARY. 21. WHEN APPLICABLE, CONTRACTOR SHALL, ON BEHALF OF THE OWNER AND OPERATORS, SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.

ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR APPROVED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS—PUBLIC WORKS

2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 811, FOR DESIGNATION

RECORD DRAWINGS AND DISTRIBUTION MAPS AND UTILITY LINE-SPOTS PROVIDED BY HIGH MESA CONSULTING GROUP (2018.070.1). IN ADDITION, UTILITY LINE-SPOTS WERE REQUESTED VIA THE NEW MEXICO ON CALL SERVICE (TICKET NO. 18NV050613). UTILITY LINES THAT

PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE

EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL

COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF

6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND

BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE OR PER COA STANDARD DRAWING 2465, WHICHEVER IS MORE

11. IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE

13. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT

14. 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 INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB

15. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION

DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A

17. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING

18. CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE

TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.

WILL HAVE ON THE TRANSIT SYSTEM SUCH AS CAUSING DETOUR, OR CAUSE THE CLOSING OR RELOCATION OF A BUS STOP. THE CONTACT PERSON IS DOUGLAS GOFF, OFFICE PHONE 505-724-3137, CELL PHONE 505-206-0151, AND EMAIL DGOFF@CABQ.GOV.

RESPONSIBILITY OF THE CONTRACTOR. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH

THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES

MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE

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

5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.

9. TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.

7. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.

12. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

http://www.abcwua.org/Water_Shut_off_and_Turn_on_Procedures.aspx.

AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT

APPEAR ON THESE DRAWINGS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY

- 22. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
- 23. ALL FILL SHALL BE CLEAN, FREE FROM VEGETATION, DEBRIS, AND OTHER DELETERIOUS MATERIALS, AND SHALL NOT BE CONTAMINATED WITH HYDROCARBONS OR OTHER CHEMICAL CONTAMINANTS.

INDEX OF DRAWINGS

DEMOLITION PLAN

BOUNDARY SURVEY

LANDSCAPING PLAN

GRADING SECTIONS & DETAILS

ESC SECTIONS AND DETAILS

TOPOGRAPHIC AND UTILITY SURVEY

GRADING PLAN

COVER SHEET, LEGEND, NOTES AND INDEX OF DRAWINGS

PAVING SITE PLAN & TRAFFIC CIRCULATION LAYOUT PLAN

EROSION AND SEDIMENT CONTROL (ESC) PLAN

24. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT FOR EARTHWORK REQUIREMENTS, AS APPLICABLE.

19. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY MAY REQUIRE TWENTY-FOUR HOUR CONSTRUCTION.

25. CONTRACTOR SHALL TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, CONTRACTOR SHALL REMOVE 2 FT. OF SUBGRADE MATERIAL AND IMPORT SUITABLE MATERIAL WITH R-VALUE 50 OR GREATER.

SCALE: 1" = 500'LEGAL DESCRIPTION

TRACT B, LLD SUBDIVISION, ALBUQUERQUE, NEW MEXICO, PLAT BOOK 2004C, PAGE 102, DOC. #2004039635.

PROJECT BENCHMARK

AN AMAFCA BRASS DISK STAMPED "NDC-14", SET IN A OF THE WEST FRONTAGE ROAD BRIDGE OVER THE NORTH DIVERSION CHANNEL 7.5' NORTHWEST OF THE HEADWALL AND 3.0' BEHIND A METAL GUARD RAIL.

TEMPORARY BENCHMARK #1 (T.B.M.)

A SCRIBED "+" ON CONCRETE CURB NEAR THE WEST PORTION OF THE PROJECT SITE APPROXIMATELY 34.6 FEET SOUTH OF THE END OF CURB. AS SHOWN ON SHEETS 2. 3 & 4.

TEMPORARY BENCHMARK #2 (T.B.M.)

A #5 REBAR W/CAP STAMPED "CONTROL PT. PS 15075", SET IN DIRT NEAR THE SOUTHERNMOST PORTION OF THE PROJECT SITE, AS SHOWN ON SHEETS 2, 3 & 4. ELEVATION = 5110.44 FEET (NAVD 1988)

TEMPORARY BENCHMARK #3 (T.B.M.)

A #5 REBAR W/CAP STAMPED "CONTROL PT. PS 15075", SET IN DIRT NEAR THE EASTERN PORTION OF THE PROJECT SITE APPROXIMATELY 81.2 FEET SOUTHWEST OF THE END OF A CONCRETE CURB, AS SHOWN ON SHEETS 2, 3 & 4.



03-15-2019



Phone: 505.345.4250 • Fax: 505.345.4254 • www.highmesacg.com

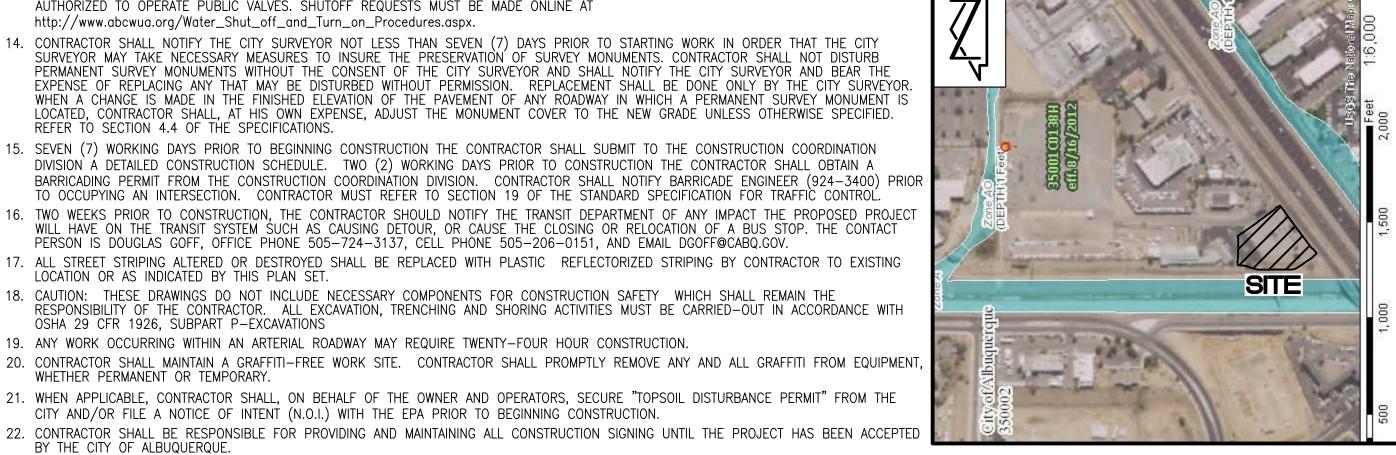
COVER SHEET LEXUS PARKING LOT EXPANSION

REVISIONS 2018.070.2 DESIGNED BY GM 03-2019 DRAWN BY APPROVED BY <u>GM</u> C-001

UTILITY INFORMATION SHOWN HEREON IS BASED UPON ONSITE SURFACE EVIDENCE, REVIEW OF AVAILABLE ABCWUA AND CITY OF ALBUQUERQUE PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THEREFOR, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL NORTH DIVERSION CHANNEL CHAPPELL ш 4. SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES. 10. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.

SCALE: 1" = 750'

F-16 & 1



PANEL 138 OF 82 DATED 08/16/2012

CONCRETE POST 0.5' ABOVE THE GROUND, NORTHWEST CORNER ELEVATION = 5108.00 FEET (NAVD 1988)

ELEVATION = 5111.85 FEET (NAVD 1988)

ELEVATION = 5112.93 FEET (NAVD 1988)



