

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



Mayor Timothy M. Keller

September 2, 2021

Joshua Calman, P.E.
Jacobs Engineering
777 Main St.
Fort Worth, TX 76102

**RE: Fidelity HQ Parking Lot Repave
5401 Watson Dr. SE
Grading and Drainage Plan
Engineers Stamp Date 7/13/2021 (R16DA1001B)**

Mr. Calman,

Based upon the information provided in your submittal received 7/20/2021, this plan is approved for Grading Permit and Paving Permit.

PO Box 1293

If you have any questions, please contact me at 924-3986 or earmijo@cabq.gov.

Albuquerque

Sincerely,

NM 87103

Ernest Armijo, P.E.
Principal Engineer, Planning Dept.
Development Review Services

www.cabq.gov



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

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

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 SITE

IS THIS A RESUBMITTAL? _____ Yes _____ No

DEPARTMENT _____ TRANSPORTATION _____ HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- _____ ENGINEER/ARCHITECT CERTIFICATION
- _____ PAD CERTIFICATION
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ DRAINAGE REPORT
- _____ DRAINAGE MASTER PLAN
- _____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- _____ ELEVATION CERTIFICATE
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ TRAFFIC IMPACT STUDY (TIS)
- _____ STREET LIGHT LAYOUT
- _____ 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
- _____ FLOODPLAIN DEVELOPMENT PERMIT
- _____ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

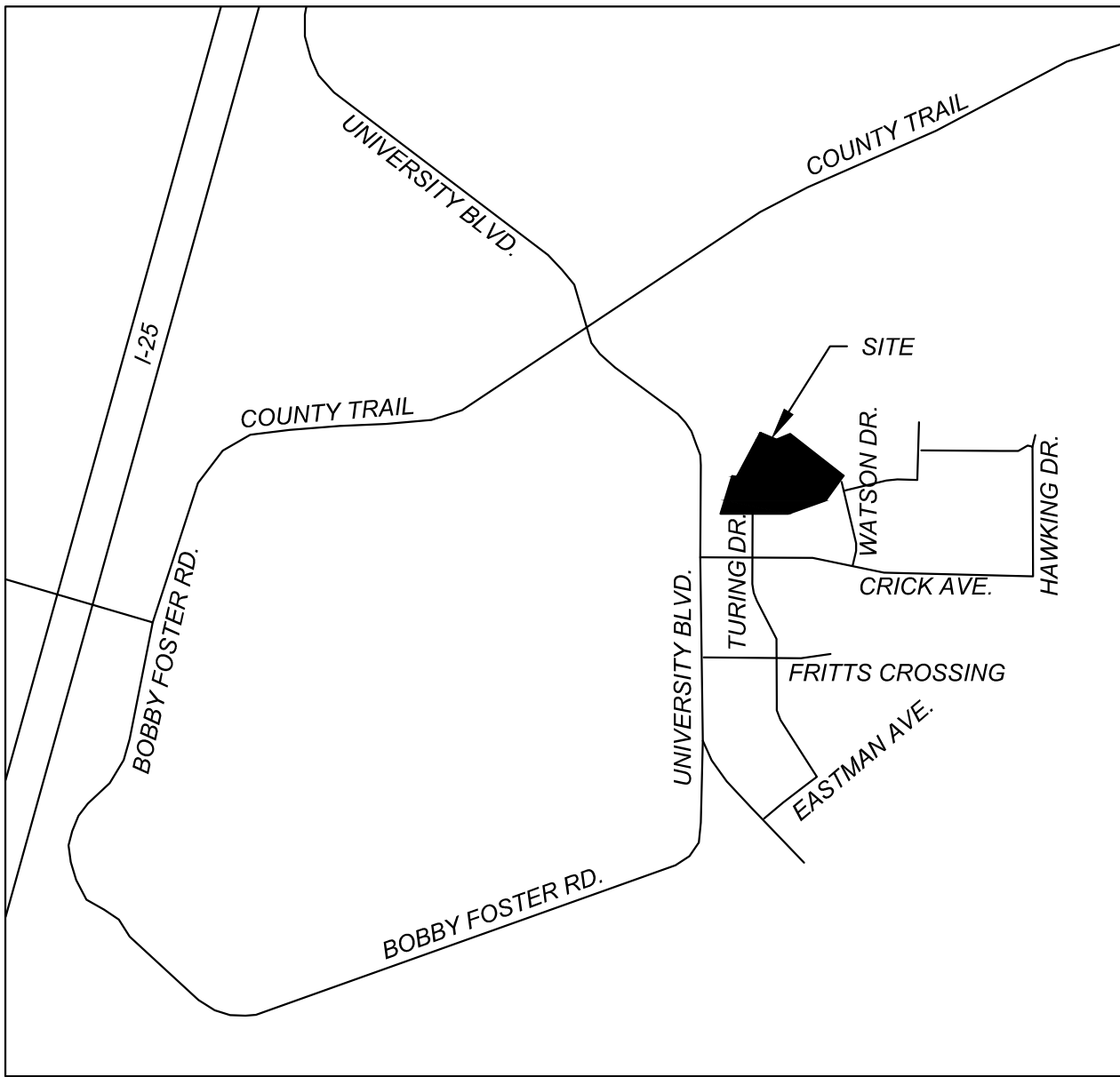
SURVEY NOTES:

- THIS TOPOGRAPHIC SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY JACOBS TO DETERMINE OWNERSHIP, RIGHTS OF WAY OR EASEMENTS OF RECORD, NO CURRENT TITLE POLICY, COMMITMENT OR REPORT WAS PROVIDED TO AID IN THE PREPARATION OF THIS SURVEY. THIS DOCUMENT DOES NOT REPRESENT A BOUNDARY SURVEY.
- THIS MAP HAS BEEN PRODUCED ACCORDING TO PROCEDURES THAT HAVE BEEN DEMONSTRATED TO PRODUCE DATA THAT MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A TOPOGRAPHIC MAP COMPILED AT A SCALE OF ONE INCH EQUALS 80 FEET WITH A ONE FOOT CONTOUR INTERVAL.
- COORDINATE DATUM: PROJECT COORDINATES ARE MODIFIED NEW MEXICO STATE PLANE CENTRAL ZONE (3002) NAD83(2011) COORDINATES. THE COMBINED ELEVATION/SCALE FACTOR USED TO MODIFY THE COORDINATES FROM STATE PLANE TO PROJECT COORDINATES IS 1.0003363728.
- MODIFIED STATE PLANE SCALE FACTOR WAS DERIVED FROM THE RECIPROCAL OF THE COMBINED FACTOR FOR NGS HORIZONTAL CONTROL MONUMENT LOUDON (PID: EQ0887), AS MONUMENTED BY A BRONZE STATION DISK SET IN TOP OF CONCRETE MONUMENT STAMPED "LOUDON 1948", WITH A NAVD(83) PROJECT ELEVATION OF 5316.28'. STATION IS LOCATED, AIRLINE, ABOUT 4 MILES SOUTH OF THE ALBUQUERQUE MUNICIPAL AIRPORT, 4 MILES EAST OF U.S. HIGHWAY 85, 3/4 MILES NORTH-NORTHWEST OF A RADIO RANGE STATION, ON FLAT SANDY PASTURE LAND ABOUT 30 FEET EAST OF THE EDGE WHERE IT BREAKS OFF INTO THE RIO GRANDE VALLEY.
- HORIZONTAL POSITIONS ARE TIED TO NGS CONTROL POINT LOUDON: LATITUDE 34-59-53.65713 N, LONGITUDE 106-37-40.21246 W. HORIZONTAL POSITIONS WERE ESTABLISHED WITH REDUNDANT GPS OBSERVATIONS OF POINTS 700-712.
- BASIS OF BEARINGS: BEARING USED IN THE CALCULATION OF COORDINATES ARE BASED ON A GRID BEARING OF N10°19'06"E FROM POINT 7001 (CITY OF ALBUQUERQUE 2-R15), AS MONUMENTED BY A 3.25" BRASS CAP STAMPED 2_R15 2006, TO 7002 (CITY OF ALBUQUERQUE 4_Q15), AS MONUMENTED BY A 3.25" BRASS CAP STAMPED 4_Q15 2006.
- BASIS OF ELEVATIONS: PROJECT ELEVATIONS ARE BASED ON NGS BENCHMARK S 224, AS MONUMENTED BY A 3 INCH BRASS CAP, WITH A PUBLISHED ELEVATION OF 4843.26'. MONUMENT IS LOCATED 6.3 MILES FROM ALBUQUERQUE, 6.3 MILES SOUTH ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILROAD FROM THE STATION AT ALBUQUERQUE, AT A ROAD CROSSING, 227 FEET SOUTHEAST OF THE SOUTHEAST CORNER OF TRESTLE 908 A, 89 FEET SOUTH OF THE CENTER LINE OF A ROAD, 36 FEET WEST OF THE CENTER LINE OF A DIRT ROAD, 48.4 FEET EAST OF THE EAST RAIL, 10.8 FEET EAST OF A TELEPHONE POLE, 2 FEET WEST OF A FENCE, 1.2 FEET NORTH OF A WITNESS POST, SET IN TOP OF CONCRETE POST WHICH PROJECTS 0.3 FOOT ABOVE THE GROUND. ELEVATIONS WERE ESTABLISHED WITH DIFFERENTIAL LEVELS.
- CONTROL MONUMENTS WERE SET AND OBSERVED ON APRIL 13, 2021, AND ADJUSTED ON APRIL 14, 2021.
- LINEAR AND ELEVATION UNITS FOR THIS SURVEY ARE U.S. SURVEY FEET.

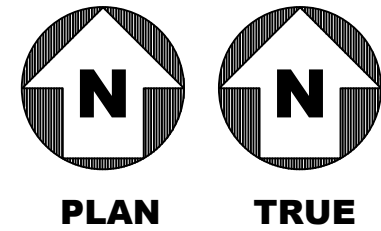
UTILITY NOTES:

- EXISTING UTILITY INFORMATION COLLECTED IN ACCORDANCE WITH ASCE 38-02 GUIDELINES.
- UNDERGROUND UTILITIES WERE TRACED USING INDUCTIVE OR CONDUCTIVE METHODS, GROUND PENETRATING RADAR (GPR) OR OTHER GEOPHYSICAL INVESTIGATION TECHNIQUES WERE NOT UTILIZED TO SEARCH FOR NONCONDUCTIVE UTILITIES OR UTILITIES NOT IDENTIFIED BY SURFACE OR MAP EVIDENCE. MANHOLES WERE OPENED AND MEASURED USING A DIP ROD.
- POTHOLING TO CONFIRM EXACT SIZE AND LOCATION OF EXISTING FACILITIES IS RECOMMENDED WHERE DESIGN AND CONSTRUCTION IS ANTICIPATED WITHIN 3' OF THE UTILITIES SHOWN.
- ABANDONED FACILITIES WERE NOT DESIGNATED AS PART OF THE SCOPE OF WORK UNLESS OTHERWISE SHOWN. DESIGN ENGINEER AND CONTRACTOR SHOULD REVIEW SUPPLEMENTAL UTILITY OWNER RECORDS TO FAMILIARIZE THEMSELVES WITH THE POTENTIAL FOR EXISTING ABANDONED FACILITIES.
- SUBSURFACE UTILITIES SHOWN MEET ASCE 38-02 QUALITY LEVELS AND ARE DEFINED BY THEIR LINESYCLE.
- STORM AND SANITARY LINES SHOWN MEET ASCE 38-02 QUALITY LEVEL C.
- UTILITY MAPPING FIELD SERVICES WERE COMPLETED BETWEEN APRIL 13, 2021 AND APRIL 19, 2021. UTILITIES MAY HAVE BEEN ADJUSTED OR ADDED AFTER THIS DATE.
- UTILITY RELOCATIONS WERE NOT PART OF THIS INVESTIGATION.
- NO POTHOLING WERE PERFORMED AS PART OF THIS INVESTIGATION.
- NM811 LOCATE REQUEST WAS FILED ON APRIL 2, 2021, REFERENCED BY TICKET NUMBER 21AP020014. SERVICE PROVIDER LOCATES WERE PERFORMED ON APRIL 7, 2021.
- UNKNOWN UTILITY APPURTENANCE WAS UNABLE TO OPEN VAULT DUE TO BOLTS RUSTED SHUT.
- ALL UNDERGROUND WATER LINES SHOWN HEREON ARE QUALITY LEVEL "D" DUE TO NON-CONDUCTIVE PIPE MATERIAL (PVC) THAT WAS INSTALLED WITHOUT TRACER WIRE.

TOPOGRAPHIC SURVEY FIDELITY PAVEMENT PROJECT



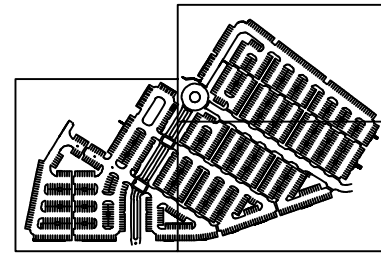
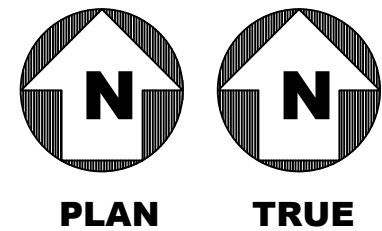
VICINITY MAP
SCALE: 1" = 2000'



SCALE: 1" = 60'

LEGEND

- ALUMINUM CAP
- 1" COPPER PLUG
- BRASS CAP
- FIRE HYDRANT
- WATER VALVE
- TEST HOLE
- SANITARY MANHOLE
- SANITARY CLEANOUT
- STORM MANHOLE
- STORM GRATE
- ELECTRIC INLET
- ELECTRIC PEDESTAL
- ELECTRIC BOX
- ELECTRIC SWITCH
- LIGHT POLE
- FIBER OPTIC VAULT
- HANDICAP PARKING PAINT
- PARKING BUMPER
- FIBER OPTIC LINE QUALITY LEVEL "B"
- SANITARY LINE QUALITY LEVEL "C"
- SANITARY LINE QUALITY LEVEL "D"
- STORM LINE QUALITY LEVEL "C"
- STORM LINE QUALITY LEVEL "D"
- ELECTRIC LINE QUALITY LEVEL "B"
- CURB FLOW LINE
- PAVEMENT EDGE OF CONCRETE
- TOP OF CURB
- GAS LINE QUALITY LEVEL "B"
- GAS LINE QUALITY LEVEL "D"
- WATER LINE QUALITY LEVEL "D"
- MAJOR CONTOUR
- MINOR CONTOUR



PROJECT CONTROL POINTS							
Point No.	Latitude (N)	Longitude (W)	Ellipsoid Height	Grid Scale Factor	Project Northing	Project Easting	Ground Elevation
700	35°00'07.4754"	106°37'15.9507"	5229.90	0.999914136	1456745.087	1529800.582	5299.80
701	35°00'10.1298"	106°37'13.0419"	5235.14	0.999914074	1457012.623	1530043.62	5305.03
702	35°00'07.9876"	106°37'12.0114"	5231.47	0.999914053	1456795.663	1530128.569	5301.35
703	35°00'12.2132"	106°37'10.4800"	5235.03	0.99991402	1457222.532	1530257.585	5304.90
704	35°00'12.4138"	106°37'08.8877"	5234.52	0.999913987	1457242.326	1530390.16	5304.39
705	35°00'15.0079"	106°37'07.2138"	5235.15	0.999913951	1457504.147	1530530.411	5305.01
706	35°00'11.8939"	106°37'04.0426"	5231.12	0.999913885	1457188.262	1530793.134	5300.96
707	35°00'11.4808"	106°37'00.8836"	5229.79	0.999913819	1457145.516	1531055.848	5299.62
708	35°00'09.5675"	106°37'03.0498"	5229.20	0.999913864	1456952.685	1530874.88	5299.04
709	35°00'10.5041"	106°37'05.8723"	5231.56	0.999913923	1457048.269	1530640.363	5301.42
710	35°00'08.5674"	106°37'05.5986"	5230.38	0.999913918	1456852.329	1530662.412	5300.24
711	35°00'07.8078"	106°37'08.4563"	5229.96	0.999913978	1456776.387	1530424.336	5299.83
712	35°00'08.6354"	106°37'11.1968"	5231.66	0.999914036	1456860.924	1530196.602	5301.54
EXISTING MONUMENTATION							
7000	34°59'28.0152"	106°39'52.7309"	4872.77	0.999917654	1452805.806	1516737.856	3.50" BRASS CAP ILLEGIBLE
7001	34°59'56.8465"	106°37'18.9192"	5235.37	0.9999142	1455671.108	1529549.558	3.25" BRASS CAP "2-R15"
7002	35°00'12.9763"	106°37'15.4255"	5239.98	0.999914125	1457301.225	1529846.344	3.25" BRASS CAP "4-Q15"

SURVEYOR'S CERTIFICATION:

I, ROBERT BOEHM, NEW MEXICO PROFESSIONAL SURVEYOR NO. 20063, DO HEREBY CERTIFY THAT THIS CONTROL SURVEY REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION BASED ON AN ACTUAL SURVEY OF THE GROUND AS DESCRIBED HEREIN, THAT I AM RESPONSIBLE FOR THIS SURVEY, AND THAT THE SURVEY AND REPORT MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. THIS SURVEY WAS PERFORMED BETWEEN APRIL 13 AND APRIL 19, 2021.

ROBERT BOEHM, NEW MEXICO PS 20063
FOR AND ON BEHALF OF JACOBS ENGINEERING GROUP INC.
9191 JAMAICA STREET
ENGLEWOOD, CO 80112
Robert.Boehm@Jacobs.com

JACOBS

Jacobs Engineering Group Inc.
Texas Registered Engineering Firm F-2966
777 Main Street
Fort Worth, TX 76102



Digitally signed by
David G Johnson
Date: 2021.07.13
09:53:18-0600

Fidelity
INVESTMENTS
CORPORATE OFFICE PARKING LOT
5401 WATSON DR SE
ALBUQUERQUE, NM

PROJECT NUMBER:

WFXQ8600

DATE ISSUED:

6/25/2021

ISSUES:

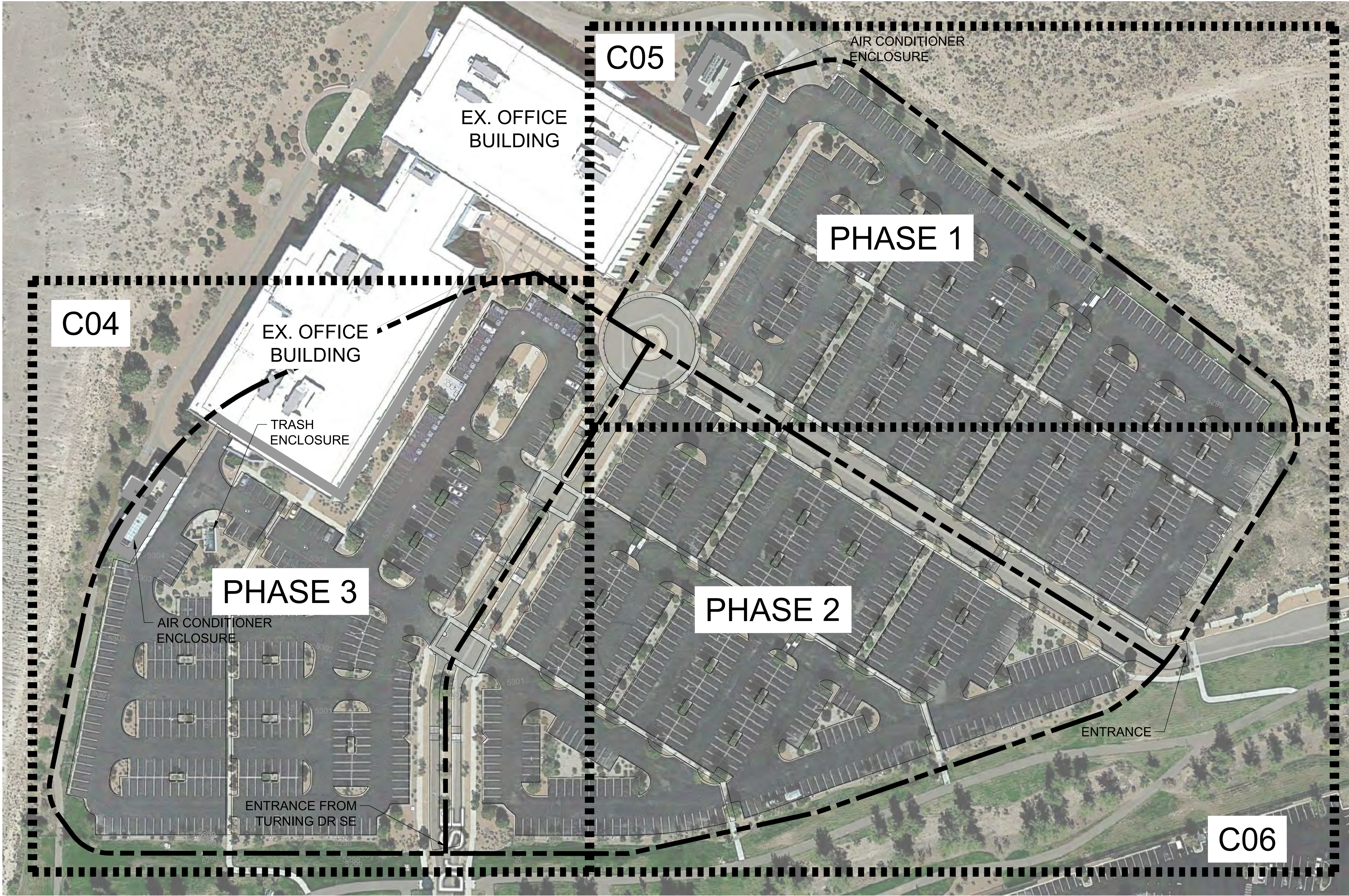
ISSUE 01 - ISSUE FOR BID

REVISIONS:

SHEET CONTENTS:

SHEET NUMBER:

FILE INFO:U:\BLDG\WFXQ8600 - Fidelity - ABQ Parking Lot\Design\Sheets\Civil\CS100.dwg XREFS:V-SP01; JEG_36x24 TB; C-SP01 MODIFIED: Jun 24, 2021 2:48pm PLOTTED: Jun 24, 2021 3:07pm BY:CHOWWK PLOT SCALE: 1"=1'



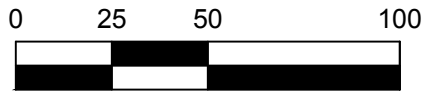
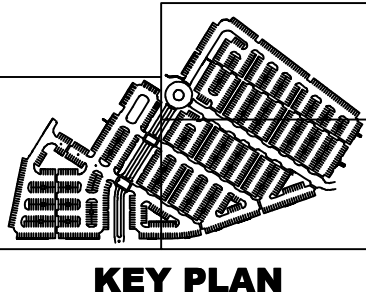
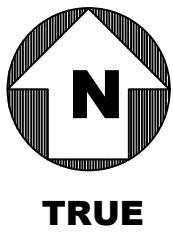
Parking count table			
Phase	Number of vehicle parking spots	Number of handicapped parking spots	Number of motorcycle parking spots
1	524	8	7
2	488	0	0
3	356	19	0

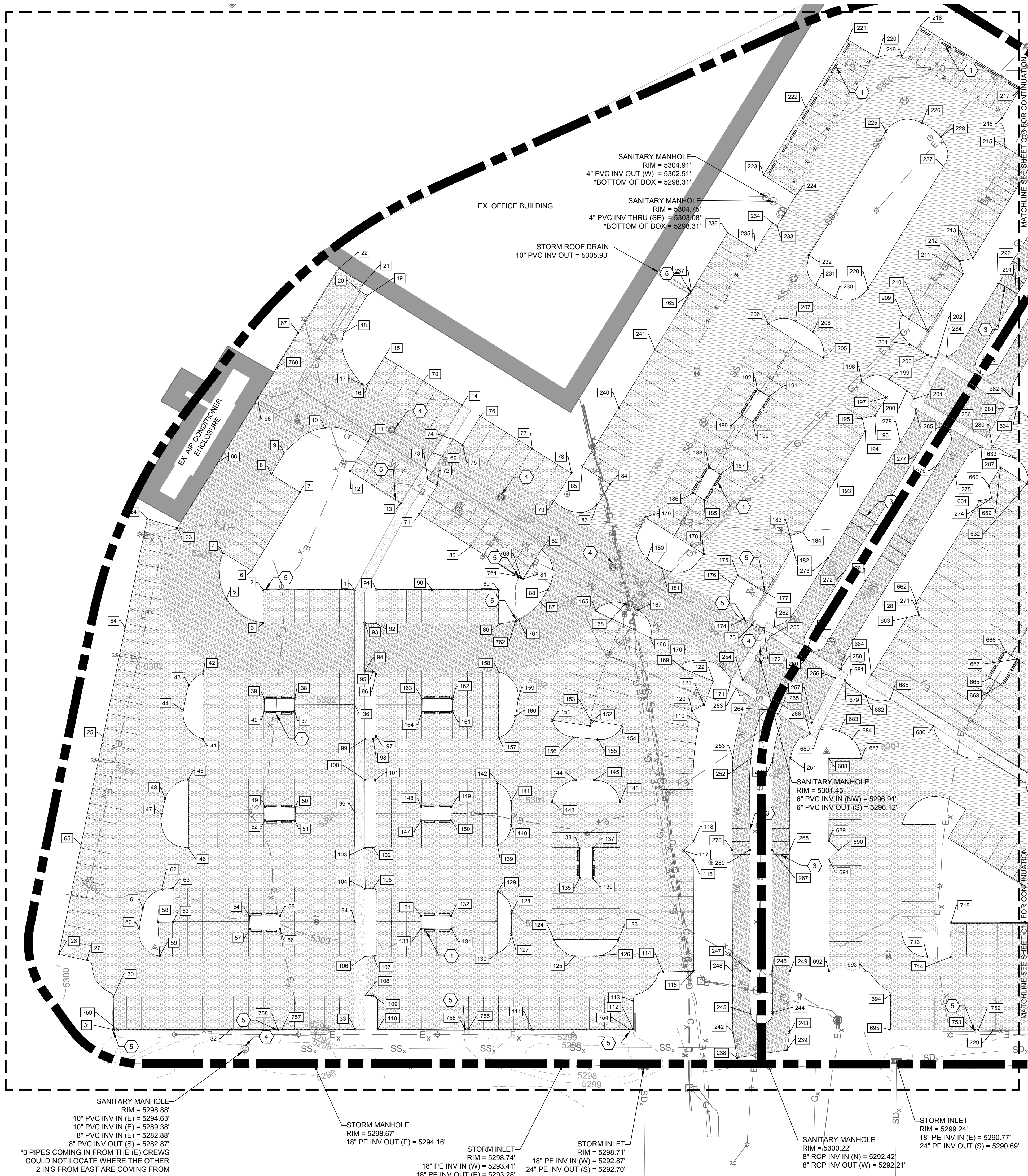
Parking stiping quantity table	
Phase	Total length of parking stiping (ft)
1	10158
2	9351
3	7347

LEGEND:

PHASE LINE

VIEWPORT LINE





Phase	Total length of parking striping (ft)
1	10158
2	9351
3	7347

114

PHASE LINE

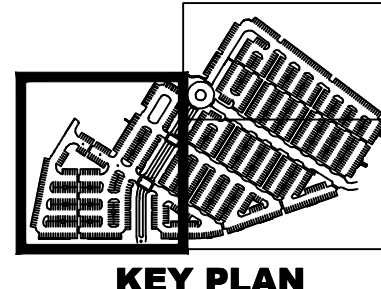
1. WHEELSTOP (RE: 6/C10)
2. PARKING LOT STRIPE (RE: 4/C10 & 5/C10)
3. SPEED HUMP (RE: 7/C10)
4. EX. SANITARY SEWER MANHOLE
5. EX. CURB OPENING

1. THE CONTRACTOR SHALL PROVIDE A FULL DEPTH SAW-CUT AND SMOOTH TRANSITION AT CONNECTIONS TO EXISTING PAVEMENT AND CURB.
2. ALL SIDEWALKS, ACCESSIBLE PATHS, AND PARKING SHALL CONFORM TO THE NEW MEXICO D.A.A. TRANSITION PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING COMPLIANCE.
3. THE CONTRACTOR SHALL NOT STAND, PARK, DRIVE ON, OR IN ANY WAY DISTURB OR DAMAGE STEEL REINFORCING FOR SITE WORK. ALL REINFORCING SHALL BE INSTALLED WITH CHAIRS PER THE PLANS AND SPECIFICATIONS.
4. SUBGRADE SHALL BE MAINTAINED TO WITHIN THE SPECIFIED REQUIREMENTS OF MICHIGAN DEPARTMENT OF TRANSPORTATION. PRIOR TO PLACING PAVEMENT, THE CONTRACTOR SHALL RE-TEST THE AREAS SELECTED BY THE CONSTRUCTION MATERIALS TESTING LAB PERSONNEL AT THE CONTRACTOR'S EXPENSE OR IF REQUESTED BY THE OWNER, ARCHITECT OR ENGINEER, AND IF THE SUBGRADE HAS BEEN DAMAGED AND EXPOSED FOR LONGER THAN TEN (10) DAYS AND NO PAVEMENT HAS BEEN CONSTRUCTED.
5. PAVING CONTRACTOR TO VERIFY AND COORDINATE THE INSTALLATION OF ALL SLEEVES UNDER PAVEMENT FOR THE IRRIGATION SYSTEM, IRRIGATION CONTROLS, ELECTRICAL, EXTERIOR SITE LIGHTING AND SIGNAGE, ETC. PRIOR TO THE PLACEMENT OF PAVING.
6. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.
7. RADIAL JOINTS SHALL BE NO SHORTER THAN 15'.
8. CONTRACTOR SHALL AVOID CONSTRUCTING IRREGULAR SHAPED PANELS. AN IRREGULAR SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERES TO A SHARP ANGLE, WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1, OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR.
9. REFER TO GEOTECHNICAL ENGINEERING REPORT PREPARE BY TERRACON, REPORT NUMBER 66205168, DATED MAY 21, 2021, SECTION 4.3.2. AND NMDOT SPECS FOR SUBGRADE MATERIALS AND RECOMMENDATIONS. MATERIALS MEETING NMDOT AND COA SP-15 SPECIFICATIONS SHALL BE USE AS ASPHALT PAVEMENT MATERIALS.

1. BEARINGS ARE APPROXIMATE, NEW MEXICO STATE PLANE COORDINATE SYSTEM, NORTH ZONE GRID, NAD83.
2. COORDINATE ALL PAVEMENT DETAILS TO GEOTECHNICAL ENGINEER AND SITE SPECIFIC INVESTIGATION REPORT PREPARED BY TERRACON. TERRACON PROJECT NUMBER 66205168, DATED FEBRUARY 24, 2021.
3. COMPLETELY MILL AND REMOVE ASPHALT PAVEMENT TO A DEPTH DETERMINED BY THE GEOTECHNICAL ENGINEER.
4. CITY OF THE ALBUQUERQUE ZONING IS PLANNED COMMUNITY (PC).
5. EXISTING UTILITY LINES SHOWN ARE APPROXIMATE ONLY BASED ON JACOBS SURVEY DATED 4/19/2021 TO 4/19/2021.
6. PROMPTLY INFORM THE ENGINEER OF ANY DISCREPANCY DISCOVERED OR CONFLICT BETWEEN THE DRAWINGS OR SPECIFICATIONS.
7. DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
8. PARKING SPACES ARE SHOWN AS 9 LF WIDTH AND 20 LF LENGTH. ENGINEER OF RECORD MAY ASSESS LOCAL CONDITIONS FOR SMALLER SPACE CONFIGURATIONS AS ALLOWED BY LOCAL AHJ. GDESIGN MINIMUM SPACE: 9 LF WIDTH 20 LF LENGTH.
9. ALL SITE SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE RELEVANT NATIONAL, STATE AND LOCAL JURISDICTIONAL CODES AND REGULATIONS. THIS INCLUDES ADAP ACCESSIBILITY GUIDELINES (ADAAG), EUROPEAN ACCESSIBILITY ACT (EAA) STANDARDS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), EUROPEAN STANDARD FOR ROAD MARKINGS (EN 1436). PROJECT SPECIFIC SIGNAGE SHALL BE IN ACCORDANCE WITH SIGNIFICANTLY APPLICABLE INSTALLATION AND ACCESSIBILITY CODES AND REGULATIONS.

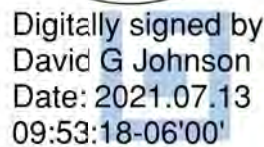
1. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, LATEST EDITION DATE JANUARY, 9, 2019 AND SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER. ALL SPECIFICATIONS PROVIDED HEREIN REFER TO THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, LATEST EDITION AND OTHER CITY OF ALBUQUERQUE STANDARDS.
2. THE CONTRACTOR SHALL FENCE AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL, THROUGHOUT CONSTRUCTION, IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD, LATEST EDITION) AND THE NEW MEXICO DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL STANDARDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GENERAL SAFETY DURING CONSTRUCTION AND ALL WORK SHALL CONFORM TO PERTINENT SAFETY REGULATIONS AND CODES. THE CONTRACTOR SHALL FENCE AND/OR BARRICADE THE CONSTRUCTION AREA AS REQUIRED TO PROTECT ADJACENT SITES, VEHICULAR TRAFFIC AND PEDESTRIAN TRAFFIC. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF OSHA AND NRS CHAPTER 61B, IN THE CONSTRUCTION PRACTICES FOR ALL EMPLOYEES DIRECTLY ENGAGED IN THE CONSTRUCTION OF SAID PROJECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND/OR PROTECTION OF ALL EXISTING AND PROPOSED PILING, UTILITIES, STRUCTURES ADJACENT TO STREETS AND ALL OTHER EXISTING IMPROVEMENTS.
5. THE CONTRACTOR SHALL INCORPORATE ADEQUATE DRAINAGE PROCEDURES DURING THE CONSTRUCTION PROCESS TO ELIMINATE EXCESSIVE PONDING AND/OR EROSION. THE CONTRACTOR SHALL ALSO INSTALL EROSION AND RUN-OFF CONTROL MEASURES AT PUBLIC ROADS AND DRAINAGE WAYS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SITE IN A NEAT AND ORDERLY MANNER THROUGHOUT THE CONSTRUCTION PROCESS. ALL MATERIALS SHALL BE STORED WITHIN APPROVED CONSTRUCTION AREA.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REGULAR CLEANING OF ALL MUD, DIRT, DEBRIS, ETC. FROM ANY AND ALL ADJACENT STREETS AND SIDEWALKS.
8. NO MATERIALS OF ANY KIND SHALL BE STOCKPILED OR CONSTRUCTION EQUIPMENT PARKED ON CONCRETE OR ASPHALT SURFACES.
9. CONSTRUCTION OF STREET IMPROVEMENTS MUST ALLOW FOR THE PERPETUATION OF ALL EXISTING LEGAL ACCESSES AND EXISTING DRIVEWAYS.
10. INSPECTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE UNIFORM ADMINISTRATIVE CODE 2020
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LAYOUTS OF LINES AND GRADES PROVIDED BY A NEW MEXICO LICENSED SURVEYOR.

1. CLEARING AND GRUBBING, SUB-GRADE PREPARATION AND EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE REQUIREMENTS.
2. CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
3. NO FENCE OR OTHER OBSTRUCTION WHICH INTERFERES WITH DISCHARGE SHALL BE CONSTRUCTED WITHIN THE DRAINAGE OR STORM DRAIN EASEMENTS. ALL EXCESS OR UNSUITABLE MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH THE LATEST CITY OF ALBUQUERQUE REGULATIONS.



0 15 30 60

Jacobs Engineering Group Inc.
Texas Registered Engineering Firm F-2966
777 Main Street
Fort Worth, TX 76102



**CORPORATE OFFICE PARKING LOT
5401 WATSON DR SE
ALBUQUERQUE, NM**

PROJECT NUMBER:
WFXQ8600
DATE ISSUED:
6/25/2021

ISSUES:
ISSUE 01 - ISSUE FOR BID

REVISIONS:

SHEET CONTENTS:
PAVING & GRADING PLAN

SHEET NUMBER:

C11

SHT:12 OF: 18 TOTAL:18

FILE INFO:U:\BLDG\WFXQ8600 - Fidelity - ABQ Parking Lot\Design\Sheets\Civil\CS100.dwg XREFS:V-SP01; JEG_36x24 TB; C-SP01 MODIFIED: Jun 24, 2021 2:48pm PLOTTED: Jun 24, 2021 3:07pm BY:CHOWK PLOT SCALE: 1=1

POINT TABLE				
#	DESC	NORTHING	EASTING	ELEVATION
1	TP	1456956.36	1529918.44	5302.71
2	TP	1456956.29	1529864.54	5302.60
3	TP	1456936.68	1529864.55	5302.51
4	TP	1456978.15	1529840.71	5303.08
5	TP	1456950.72	1529842.93	5302.67
6	TP	1456967.66	1529857.70	5303.42
7	TP	1457013.74	1529886.24	5304.43
8	TP	1457024.26	1529869.31	5304.45
9	TP	1457036.87	1529877.07	5304.67
10	TP	1457051.71	1529900.65	5304.51
11	TP	1457043.12	1529926.30	5304.37
12	TP	1457026.13	1529915.68	5304.16
13	TP	1457007.47	1529945.81	5303.90
14	TP	1457065.01	1529981.79	5304.91
15	TP	1457093.41	1529936.08	5305.52
16	TP	1457078.19	1529926.62	5304.74
17	TP	1457077.58	1529922.79	5304.62
18	TP	1457107.81	1529912.34	5305.67
19	TP	1457129.63	1529925.83	5306.60
20	TP	1457132.53	1529921.12	5306.65
21	TP	1457136.62	1529923.68	5306.88
22	TP	1457145.64	1529909.17	5307.00
23	TP	1456992.74	1529813.87	5303.10
24	TP	1456998.07	1529796.21	5303.06
25	TP	1456869.72	1529770.20	5301.10
26	TP	1456741.40	1529744.06	5299.37
27	TP	1456737.89	1529760.76	5299.25
28	TP	1456954.67	1530229.83	5301.89
29	TP	1456961.22	1530219.30	5302.16
30	TP	1456716.25	1529776.21	5299.06
31	TP	1456697.08	1529776.29	5298.86
32	TP	1456697.18	1529845.45	5299.01
33	TP	1456697.18	1529918.59	5299.09
34	TP	1456760.62	1529918.53	5300.14
35	TP	1456824.63	1529918.47	5300.91
36	TP	1456888.42	1529918.39	5301.90
37	TP	1456884.46	1529883.05	5301.81
38	TP	1456892.24	1529883.11	5301.94
39	TP	1456892.25	1529865.22	5301.81
40	TP	1456884.40	1529865.14	5301.70
41	TP	1456868.28	1529829.04	5301.44
42	TP	1456906.84	1529828.98	5301.93
43	TP	1456900.08	1529820.89	5301.84
44	TP	1456885.11	1529817.44	5301.54
45	TP	1456844.44	1529820.43	5301.00
46	TP	1456803.98	1529820.46	5300.47
47	TP	1456824.02	1529804.84	5300.58
48	TP	1456832.99	1529806.71	5300.77
49	TP	1456828.20	1529865.67	5300.76
50	TP	1456828.02	1529883.50	5300.92
51	TP	1456820.20	1529883.41	5300.79
52	TP	1456820.46	1529865.65	5300.76
53	TP	1456760.42	1529811.45	5299.78
54	TP	1456764.09	1529856.57	5299.97
55	TP	1456764.07	1529874.40	5300.10
56	TP	1456756.42	1529874.40	5299.95
57	TP	1456756.43	1529856.73	5299.86
58	TP	1456760.39	1529802.45	5299.68
59	TP	1456740.37	1529803.57	5299.52
60	TP	1456756.10	1529791.43	5299.64
61	TP	1456768.55	1529793.60	5299.83
62	TP	1456779.64	1529804.76	5300.00
63	TP	1456780.48	1529811.48	5300.08
64	TP	1456933.91	1529783.13	5302.16
65	TP	1456805.56	1529757.13	5300.22
66	TP	1457031.04	1529837.58	5304.72
67	TP	1457107.52	1529885.17	5305.07
68	TP	1457069.32	1529861.31	5304.80
69	TP	1457037.09	1529964.42	5304.48
70	TP	1457079.26	1529958.97	5305.27
71	TP	1457000.78	1529956.50	5303.68
72	TP	1457017.69	1529967.10	5304.00
73	TP	1457021.27	1529961.52	5304.11
74	TP	1457044.86	1529676.36	5304.77
75	TP	1457041.65	1529982.00	5304.69
76	TP	1457058.48	1529992.52	5304.97
77	TP	1457039.37	1530023.10	5304.93
78	TP	1457024.92	1530046.20	5304.72
79	TP	1457008.34	1530035.69	5304.34
80	TP	1456981.82	1529986.92	5303.58

POINT TABLE				
#	DESC	NORTHING	EASTING	ELEVATION
81	TP	1456962.62	1530017.59	5303.24
82	TP	1456979.80	1530028.58	5303.77
83	TP	1457006.66	1530061.34	5304.43
84	TP	1457018.43	1530068.99	5304.54
85	TP	1457029.00	1530052.66	5304.60
86	TP	1456936.13	1530003.34	5302.69
87	TP	1456949.23	1530027.84	5303.15
88	TP	1456956.42	1530032.41	5303.29
89	TP	1456956.32	1530003.23	5303.09
90	TP	1456956.34	1529964.00	5302.96
91	TP	1456956.40	1529931.03	5302.86
92	TP	1456936.45	1529930.97	5302.40
93	TP	1456936.40	1529924.27	5302.44
94	TP	1456908.21	1529924.39	5302.24
95	TP	1456908.20	1529929.33	5302.20
96	TP	1456906.60	1529931.03	5302.15
97	TP	1456870.02	1529931.05	5301.65
98	TP	1456868.37	1529929.25	5301.60
99	TP	1456868.19	1529924.42	5301.59
100	TP	1456844.29	1529924.57	5301.14
101	TP	1456844.24	1529930.50	5301.16
102	TP	1456804.29	1529929.43	5300.56
103	TP	1456804.24	1529924.52	5300.72
104	TP	1456780.14	1529924.68	5300.37
105	TP	1456780.20	1529929.26	5300.44
106	TP	1456740.21	1529924.55	5299.93
107	TP	1456740.35	1529929.56	5299.86
108	TP	1456717.17	1529924.61	5299.22
109	TP	1456717.12	1529928.97	5299.25
110	TP	1456697.18	1529932.04	5299.13
111	TP	1456697.11	1530023.13	5298.99
112	TP	1456697.21	1530082.63	5298.84
113	TP	1456713.76	1530082.63	5299.10
114	TP	1456731.10	1530100.08	5299.53
115	TP	1456731.42	1530118.16	5299.77
116	TP	1456797.06	1530118.02	5300.42
117	TP	1456802.62	1530112.25	5300.50
118	TP	1456807.92	1530118.04	5300.54
119	TP	1456878.00	1530121.47	5301.20
120	TP	1456884.88	1530117.15	5301.36
121	TP	1456888.32	1530124.40	5301.42
122	TP	1456902.36	1530129.85	5301.55
123	TP	1456749.86	1530073.83	5299.80
124	TP	1456750.12	1530035.94	5299.85
125	TP	1456740.44	1530048.14	5299.68
126	TP	1456740.32	1530060.43	5299.76
127	TP	1456753.08	1530010.83	5299.80
128	TP	1456766.03	1530010.88	5300.00
129	TP	1456778.42	1530002.97	5300.16
130	TP	1456742.33	1530002.49	5299.85
131	TP	1456756.41	1529975.39	5299.97
132	TP	1456764.01	1529975.37	5300.11
133	TP	1456756.62	1529957.59	5300.03
134	TP	1456764.01	1529957.68	5300.12
135	TP	1456786.29	1530051.06	5300.32
136	TP	1456786.25	1530058.75	5300.29
137	TP	1456804.13	1530058.81	5300.55
138	TP	1456804.13	1530051.06	5300.51
139	TP	1456805.87	1530002.67	5300.67
140	TP	1456817.45	1530010.73	5300.70
141	TP	1456831.64	1530010.73	5300.90
142	TP	1456842.67	1530002.58	5301.08
143	TP	1456831.17	1530034.92	5300.91
144	TP	1456844.06	1530048.89	5301.08
145	TP	1456844.06	1530059.54	5301.05
146	TP	1456831.32	1530074.78	5300.87
147	TP	1456820.36	1529957.60	5300.86
148	TP	1456828.09	1529957.66	5300.95
149	TP	1456828.19	1529975.25	5300.98
150	TP	1456820.34	1529975.32	5300.88
151	TP	1456879.22	1530034.87	5301.56
152	TP	1456875.97	1530057.09	5301.72
153	TP	1456879.25	1530057.72	5301.76
154	TP	1456876.17	1530075.92	5301.52
155	TP	1456868.01	1530062.02	5301.40
156	TP	1456869.37	1530047.30	5301.38
157	TP	1456869.04	1530003.29	5301.55
158	TP	1456907.84	1530003.38	5302.01
159	TP	1456891.69	1530014.78	5301.75
160	TP	1456881.64	1530013.18	5301.53

POINT TABLE				
#	DESC	NORTHING	EASTING	ELEVATION
161	TP	1456884.43	1529976.09	5301.72
162	TP	1456892.19	1529976.17	5301.82
163	TP	1456892.17	1529958.26	5301.85
164	TP	1456884.50	1529958.20	5301.77
165	TP	1456943.78	1530060.50	5302.85
166	TP	1456927.89	1530092.85	5302.10
167	TP	1456944.23	1530085.47	5302.50
168	TP	1456947.90	1530077.86	5302.59
169	TP	1456909.86	1530111.90	5301.68
170	TP	1456913.43	1530113.73	5301.56
171	TP	1456903.30	1530140.32	5301.35
172	TP	1456933.88	1530159.69	5301.70
173	TP	1456935.59	1530152.68	5301.68
174	TP	1456938.74	1530147.21	5302.00
175	TP	1456964.76	1530144.38	5302.17
176	TP	1456959.91	1530141.31	5302.06
177	TP	1456954.61	1530160.61	5301.96
178	TP	1456977.24	1530124.30	5302.80
179	TP	1456999.04	1530089.46	5303.62
180	TP	1456974.50	1530090.93	5303.41
181	TP	1456969.07	1530099.38	5303.12
182	TP	1456981.01	1530176.64	5302.13
183	TP	1456988.14	1530175.07	5302.21
184	TP	1456990.27	1530182.46	5302.24
185	TP	1457009.17	1530124.55	5303.25
186	TP	1457013.25	1530117.95	5303.45
187	TP	1457024.24	1530133.88	5303.37
188	TP	1457028.33	1530127.22	5303.50
189	TP	1457059.24	1530146.49	5303.62
190	TP	1457055.14	1530153.04	5303.41
191	TP	1457070.12	1530162.50	5303.38
192	TP	1457074.18	1530155.82	5303.47
193	TP	1457022.50	1530202.56	5302.34
194	TP	1457049.88	1530219.45	5302.44
195	TP	1457057.30	1530217.64	5302.54
196	TP	1457058.83	1530224.97	5302.59
197	TP	1457069.66	1530231.85	5302.70
198	TP	1457078.86	1530217.33	5302.80
199	TP	1457080.37	1530233.12	5302.98
200	TP	1457073.57	1530243.91	5302

FILE INFO:U:\BLDG\WFW\XQ8600 - Fidelity - ABQ Parking Lot\Design\Sheets\Civil\CS100.dwg XREFS:V-SP01; JEG_36x24 TB; C-SP01 MODIFIED: Jun 24, 2021 2:48pm PLOTTED: Jun 24, 2021 3:07pm BY:CHOWWK PLOT SCALE: 1"=1'



Parking count table			
Phase	Number of vehicle parking spots	Number of handicapped parking spots	Number of motorcycle parking spots
1	524	8	7
2	488	0	0
3	356	19	0

Parking stiping quantity table	
Phase	Total length of parking striping (ft)
1	10158
2	9351
3	7347

LEGEND:
SURFACING

	EX. CONCRETE PAVEMENT		PR. MEDIUM DUTY ASPHALT PAVEMENT
	PR. LIGHT DUTY ASPHALT PAVEMENT		PR. HEAVY DUTY ASPHALT PAVEMENT

	SS _x	EXISTING UNDERGROUND SANITARY SEWER LINE
	SD _x	EXISTING UNDERGROUND STORM SEWER LINE
	G _x	EXISTING UNDERGROUND GAS LINE
	C _x	EXISTING UNDERGROUND COMMUNICATION CABLE
	L _x	EXISTING UNDERGROUND ELECTRICAL CABLE
	W _x	EXISTING UNDERGROUND WATER LINE
	PHASE LINE	

- SITE ELEMENT KEYNOTES
1. WHEELSTOP (RE: 6/C10)
 2. PARKING LOT STRIPE (RE: 4/C10 & 5/C10)
 3. SPEED HUMP (RE: 7/C10)
 4. EX. SANITARY SEWER MANHOLE
 5. EX. CURB OPENING

NOTES:

1. BEARINGS ARE APPROXIMATE, NEW MEXICO STATE PLANE COORDINATE SYSTEM, NORTH ZONE GRID, NAD83.
2. COORDINATE ALL PAVEMENT DETAILS TO GEOTECHNICAL ENGINEER AND SITE SPECIFIC INVESTIGATION REPORT PREPARED BY TERRACON, TERRACON PROJECT NUMBER 66205168, DATED FEBRUARY 24, 2021.
3. COMPLETELY MILL AND REMOVE ASPHALT PAVEMENT TO A DEPTH DETERMINED BY THE GEOTECHNICAL ENGINEER.
4. CITY OF THE ALBUQUERQUE ZONING IS PLANNED COMMUNITY (PC).
5. EXISTING UTILITY LINES SHOWN ARE APPROXIMATE ONLY BASED ON JACOBS SURVEY DATED 4/13/2021 TO 4/19/2021.
6. PROMPTLY INFORM THE ENGINEER OF ANY DISCREPANCY DISCOVERED OR CONFLICT BETWEEN THE DRAWINGS OR SPECIFICATIONS.
7. DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
8. PARKING SPACES ARE SHOWN AS 9 LF WIDTH AND 20 LF LENGTH. ENGINEER OF RECORD MAY ASSESS LOCAL CONDITIONS FOR SMALLER SPACE CONFIGURATIONS AS ALLOWED BY LOCAL AHJ. GDESIGN MINIMUM SPACE: 9 LF WIDTH/20 LF LENGTH.
9. ALL SITE SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE RELEVANT NATIONAL, STATE AND LOCAL JURISDICTIONAL CODES AND REGULATIONS. THIS MAY INCLUDE ADA ACCESSIBILITY GUIDELINES (ADAAG), EUROPEAN ACCESSIBILITY ACT (EAA) STANDARDS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), EUROPEAN STANDARD FOR ROAD MARKINGS (EN 1438). PROJECT SPECIFIC SIGNAGE SHALL BE IN ACCORDANCE WITH SUCH APPLICABLE INSTALLATION AND ACCESSIBILITY CODES AND REGULATIONS.

PAVING NOTES:

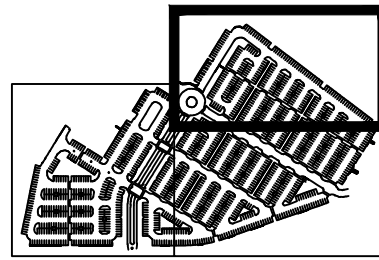
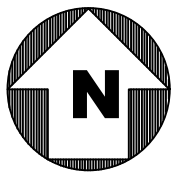
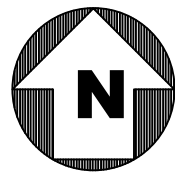
1. THE CONTRACTOR SHALL PROVIDE A FULL DEPTH SAW-OUT AND SMOOTH TRANSITION AT CONNECTIONS TO EXISTING PAVEMENT AND CURB.
2. ALL SIDEWALKS, ACCESSIBLE PATHS, AND PARKING SHALL CONFORM TO THE NEW MEXICO A.D.A. TRANSITION PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING COMPLIANCE.
3. THE CONTRACTOR SHALL NOT STAND, PARK, DRIVE ON, OR IN ANY WAY DISTURB OR DAMAGE STEEL REINFORCING FOR SITE WORK. ALL REINFORCING SHALL BE INSTALLED WITH CHAIRS PER THE PLANS AND SPECIFICATIONS.
4. SUBGRADE SHALL BE MAINTAINED TO WITHIN THE SPECIFIED REQUIREMENTS OF MOISTURE AND DENSITY UNTIL PAVING IS PLACED. PRIOR TO PLACING PAVEMENT, THE CONTRACTOR SHALL RE-TEST THE AREAS SELECTED BY THE CONSTRUCTION MATERIALS TESTING LAB PERSONNEL AT THE CONTRACTOR'S EXPENSE OR IF REQUESTED BY THE OWNER, ARCHITECT OR ENGINEER, AND IF THE SUBGRADE HAS BEEN PLACED AND ACCEPTED FOR LONGER THAN TEN (10) DAYS AND NO PAVEMENT HAS BEEN CONSTRUCTED.
5. PAVING CONTRACTOR TO VERIFY AND COORDINATE THE INSTALLATION OF ALL SLEEVES UNDER PAVEMENT FOR THE IRRIGATION SYSTEM, IRRIGATION CONTROLS, ELECTRICAL, EXTERIOR SITE LIGHTING AND SIGNAGE, ETC. PRIOR TO THE PLACEMENT OF PAVING.
6. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.
7. RADIAL JOINTS SHALL BE NO SHORTER THAN 1'.
8. CONTRACTOR SHALL AVOID CONSTRUCTING IRREGULAR SHAPED PANELS AN IRREGULAR SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE. WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1, OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR.
9. REFER TO GEOTECHNICAL ENGINEERING REPORT PREPARED BY TERRACON, REPORT NUMBER 66205168, DATED MAY 21, 2021, SECTION 4.3.2, AND NMOT SPECS FOR PAVEMENT MATERIALS RECOMMENDATIONS. MATERIALS MEETING NMOT AND COA SP-IV SPECIFICATIONS SHALL BE USED AS ASPHALT PAVEMENT MATERIALS.

EXCAVATION AND GRADING REQUIREMENTS:

1. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, LATEST EDITION DATE JANUARY, 9, 2019 AND SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER. ALL SPECIFICATIONS REFERENCED HEREIN REFER TO THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL UNLESS INDICATED OTHERWISE.
2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL, THROUGHOUT CONSTRUCTION, IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD, LATEST EDITION) AND THE NEW MEXICO DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL STANDARDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GENERAL SAFETY DURING CONSTRUCTION AND ALL WORK SHALL CONFORM TO PERTINENT SAFETY REGULATIONS AND CODES. THE CONTRACTOR SHALL FENCE AND/OR BARRICADE THE CONSTRUCTION AREA AS REQUIRED TO PROTECT ADJACENT SITES, VEHICULAR TRAFFIC AND PEDESTRIAN TRAFFIC. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF OSHA AND NRS CHAPTER 618, IN THE CONSTRUCTION PRACTICES FOR ALL EMPLOYEES DIRECTLY ENGAGED IN THE CONSTRUCTION OF SAID PROJECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND/OR PROTECTION OF ALL EXISTING AND PROPOSED PIPING, UTILITIES, STRUCTURES ADJACENT TO STREETS AND ALL OTHER EXISTING IMPROVEMENTS.
5. THE CONTRACTOR SHALL INCORPORATE ADEQUATE DRAINAGE PROCEDURES DURING THE CONSTRUCTION PROCESS TO ELIMINATE EXCESSIVE PONDING AND/OR EROSION. THE CONTRACTOR SHALL ALSO INSTALL EROSION AND RUN-OFF CONTROL MEASURES AT PUBLIC ROADS AND DRAINAGE WAYS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SITE IN A NEAT AND ORDERLY MANNER THROUGHOUT THE CONSTRUCTION PROCESS. ALL MATERIALS SHALL BE STORED WITHIN APPROVED CONSTRUCTION AREAS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REGULAR CLEANING OF ALL MUD, DIRT, DEBRIS, ETC. FROM ANY AND ALL ADJACENT STREETS AND SIDEWALKS.
8. NO MATERIALS OF ANY KIND SHALL BE STOCKPILED OR CONSTRUCTION EQUIPMENT PARKED ON CONCRETE OR ASPHALT SURFACES.
9. CONSTRUCTION OF STREET IMPROVEMENTS MUST ALLOW FOR THE PERPETUATION OF ALL EXISTING LEGAL ACCESSSES AND EXISTING DRIVEWAYS.
10. INSPECTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE UNIFORM ADMINISTRATIVE CODE 2020 EDITION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LAYOUTS OF LINES AND GRADES PROVIDED BY A NEW MEXICO LICENSED SURVEYOR.

EARTH WORK REQUIREMENTS:

1. CLEARING AND GRUBBING, SUB-GRADE PREPARATION AND EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE REQUIREMENTS.
2. CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
3. NO FENCE OR OTHER OBSTRUCTION WHICH INTERFERES WITH DISCHARGE SHALL BE CONSTRUCTED WITHIN THE DRAINAGE OR STORM DRAIN EASEMENTS. ALL EXCESS OR UNSUITABLE MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH THE LATEST CITY OF ALBUQUERQUE REGULATIONS.



PROJECT NUMBER:
WFXQ8600
DATE ISSUED:
6/25/2021

ISSUES:
ISSUE 01 - ISSUE FOR BID

REVISIONS:

SHEET CONTENTS:
PAVING & GRADING PLAN

SHEET NUMBER:
C13

POINT TABLE				
#	DESC	NORTHING	EASTING	ELEVATION
214	TP	1457207.24	1530317.62	5304.06
293	TP	1457177.89	1530370.46	5303.86
294	TP	1457186.32	1530351.84	5304.05
295	TP	1457200.46	1530335.13	5303.92
296	TP	1457190.77	1530417.18	5303.59
297	TP	1457219.18	1530435.15	5303.52
298	TP	1457269.93	1530423.01	5304.04
299	TP	1457287.62	1530394.35	5304.42
300	TP	1457243.67	1530332.28	5304.48
301	TP	1457272.11	1530349.34	5304.68
302	TP	1457252.41	1530381.43	5304.29
303	TP	1457242.43	1530397.53	5304.03
304	TP	1457214.07	1530379.72	5304.30
305	TP	1457223.87	1530363.89	5304.57
306	TP	1457304.25	1530407.60	5304.31
307	TP	1457315.04	1530391.19	5304.38
308	TP	1457396.36	1530441.52	5304.38
309	TP	1457386.09	1530458.51	5304.13
310	TP	1457395.77	1530464.98	5304.20
311	TP	1457406.31	1530448.02	5304.43
312	TP	1457504.97	1530509.45	5304.70
313	TP	1457495.06	1530526.80	5304.45
314	TP	1457510.06	1530574.70	5304.42
315	TP	1457524.94	1530586.49	5304.37
316	TP	1457355.74	1530416.29	5304.39
317	TP	1457455.64	1530478.74	5304.48
318	TP	1457289.48	1530432.32	5304.09
319	TP	1457370.67	1530482.78	5303.75
320	TP	1457380.77	1530488.96	5303.82
321	TP	1457464.66	1530541.71	5304.09
322	TP	1457468.71	1530682.56	5303.59
323	TP	1457431.12	1530632.40	5302.98
324	TP	1457430.09	1530519.68	5304.08
325	TP	1457330.13	1530457.57	5303.89
326	TP	1457455.16	1530678.47	5303.32
327	TP	1457444.71	1530668.29	5303.06
328	TP	1457443.49	1530694.08	5303.05
329	TP	1457430.00	1530684.10	5302.88
330	TP	1457308.70	1530872.16	5300.72
331	TP	1457407.19	1530617.57	5303.09
332	TP	1457423.25	1530629.36	5303.26
333	TP	1457450.46	1530593.41	5303.67
334	TP	1457431.17	1530578.71	5303.46
335	TP	1457444.14	1530557.73	5303.80
336	TP	1457367.81	1530510.35	5303.71
337	TP	1457300.06	1530619.02	5302.45
338	TP	1457384.10	1530671.55	5302.48
339	TP	1457369.65	1530609.75	5302.86
340	TP	1457390.33	1530576.35	5303.16
341	TP	1457392.79	1530596.56	5303.06
342	TP	1457386.58	1530604.97	5302.93
343	TP	1457395.06	1530654.03	5302.77
344	TP	1457398.53	1530675.50	5302.48
345	TP	1457385.88	1530692.26	5302.26
346	TP	1457367.31	1530698.34	5301.96
347	TP	1457377.86	1530681.37	5302.29
348	TP	1457293.83	1530629.07	5302.37
349	TP	1457292.70	1530699.26	5301.77
350	TP	1457307.54	1530708.62	5301.80
351	TP	1457303.54	1530715.25	5301.64
352	TP	1457288.57	1530705.69	5301.73
353	TP	1457258.85	1530753.59	5301.08
354	TP	1457273.87	1530763.06	5301.09
355	TP	1457269.76	1530769.60	5300.94
356	TP	1457254.57	1530760.14	5300.97
357	TP	1457312.63	1530769.29	5301.16
358	TP	1457325.74	1530748.23	5301.50
359	TP	1457347.23	1530713.69	5301.75
360	TP	1457352.17	1530736.72	5301.62
361	TP	1457347.57	1530742.96	5301.57
362	TP	1457313.91	1530787.37	5301.06
363	TP	1457307.37	1530795.90	5300.99
364	TP	1457292.99	1530801.05	5300.94
365	TP	1457271.97	1530817.66	5300.60
366	TP	1457274.63	1530839.08	5300.46
367	TP	1457261.01	1530835.00	5300.40
368	TP	1457192.53	1530792.39	5300.46
369	TP	1457296.81	1530887.92	5300.72
370	TP	1457295.51	1530862.31	5300.63
371	TP	1457283.22	1530877.81	5300.45

POINT TABLE				
#	DESC	NORTHING	EASTING	ELEVATION
372	TP	1457167.68	1531059.02	5299.63
373	TP	1457149.36	1531045.24	5299.34
374	TP	1457261.26	1530856.73	5300.23
375	TP	1457244.24	1530861.86	5300.03
376	TP	1457254.81	1530844.92	5300.33
377	TP	1457186.22	1530802.25	5300.25
378	TP	1457224.12	1530877.47	5299.94
379	TP	1457228.69	1530900.00	5299.63
380	TP	1457222.02	1530908.34	5299.50
381	TP	1457202.78	1530911.79	5299.52
382	TP	1457177.26	1530867.73	5299.80
383	TP	1457192.24	1530877.02	5299.75
384	TP	1457188.15	1530883.54	5299.63
385	TP	1457173.16	1530874.28	5299.71
387	TP	1457158.44	1530931.42	5299.08
389	TP	1457154.40	1530938.03	5299.08
397	TP	1457189.83	1530932.63	5299.25
398	TP	1457189.83	1530951.24	5299.07
399	TP	1457183.62	1530959.42	5298.90
400	TP	1457169.74	1530965.06	5298.98
401	TP	1457148.74	1530981.78	5298.66
402	TP	1457151.33	1531001.96	5298.54
403	TP	1457144.62	1531010.86	5298.44
405	TP	1457252.65	1530438.67	5303.65
406	TP	1457239.40	1530459.87	5303.55
407	TP	1457359.72	1530505.13	5303.70
408	TP	1457349.98	1530520.86	5303.41
409	TP	1457332.65	1530543.91	5303.00
410	TP	1457314.17	1530573.63	5302.64
411	TP	1457298.92	1530597.86	5302.46
412	TP	1457289.77	1530612.58	5302.36
413	TP	1457305.46	1530598.85	5302.60
414	TP	1457318.32	1530578.52	5302.68
415	TP	1457339.34	1530544.55	5303.05
416	TP	1457351.86	1530524.28	5303.34
417	TP	1457279.93	1530526.51	5303.07
418	TP	1457275.94	1530532.95	5302.91
419	TP	1457294.92	1530535.89	5303.19
420	TP	1457290.91	1530542.37	5303.12
421	TP	1457257.32	1530494.22	5303.42
422	TP	1457237.00	1530527.02	5302.94
423	TP	1457234.52	1530509.49	5302.98
424	TP	1457240.80	1530499.50	5303.14
425	TP	1457222.56	1530449.34	5303.58
426	TP	1457198.72	1530487.53	5303.11
427	TP	1457215.49	1530498.17	5302.89
428	TP	1457191.01	1530498.89	5302.88
429	TP	1457167.68	1530536.68	5302.51
430	TP	1457161.48	1530546.66	5302.45
431	TP	1457283.58	1530622.63	5302.30
432	TP	1457278.00	1530642.84	5302.09
433	TP	1457265.49	1530663.39	5301.92
434	TP	1457244.51	1530697.16	5301.53
435	TP	1457231.63	1530717.84	5301.29
436	TP	1457210.52	1530751.66	5300.92
437	TP	1457490.03	1530632.47	5303.80
438	TP	1457376.09	1530783.12	5301.83
439	TP	1457232.13	1530973.41	5300.12
440	TP	1457306.18	1530471.92	5303.52
441	TP	1457228.72	1530574.63	5302.55
442	TP	1457222.53	1530584.64	5302.37
443	TP	1457405.96	1530534.06	5303.64
444	TP	1457342.10	1530645.26	5302.46
445	TP	1457335.84	1530655.22	5302.35
448	TP	1457224.14	1530812.05	5300.41
449	TP	1457220.51	1530823.59	5300.29
450	TP	1457160.10	1530616.75	5301.68
451	TP	1457175.12	1530626.22	5301.68
452	TP	1457171.20	1530632.75	5301.64
453	TP	1457156.17	1530623.34	5301.66
454	TP	1457206.05	1530645.41	5301.77
455	TP	1457221.01	1530654.78	5301.79
456	TP	1457201.95	1530652.03	5301.67
457	TP	1457217.08	1530661.26	5301.69
458	TP	1457172.20	1530699.74	5301.08
459	TP	1457187.26	1530709.14	5301.15
460	TP	1457168.17	1530706.22	5301.02
461	TP	1457183.21	1530715.62	5300.98
467	TP	1457182.21	1530785.93	5300.36
468	TP	1457197.98	1530772.13	5300.58

POINT TABLE				
#	DESC	NORTHING	EASTING	ELEVATION
470	TP	1457175.94	1530795.85	5300.27
471	TP	1457170.48	1530816.14	5300.09
472	TP	1457157.70	1530836.67	5299.88
513	TP	1457174.62	1530389.98	5303.72
514	TP	1457161.36	1530411.16	5303.37
515	TP	1457175.90	1530420.24	5303.56
516	TP	1457152.55	1530457.78	5303.13
518	TP	1457144.94	1530470.39	5302.98
766	TP	1457293.24	1530400.49	5304.31
767	TP	1457294.83	1530401.76	5304.25
768	TP	1457510.26	1530540.85	5304.44
769	TP	1457512.46	1530577.21	5304.37
770	TP	1457514.04	1530578.40	5304.43
771	TP	1457371.45	1530483.27	5303.73
772	TP	1457372.38	1530483.86	5303.72
773	TP	1457358.43	1530504.27	5303.55
780	TP	1457334.26	1530566.01	5302.91
781	TP	1457260.03	1530683.71	5301.62
782	TP	1457226.08	1530738.21	5301.04
783	TP	1457152.41	1530856.63	5299.64
797	TP	1457187.37	1530494.08	5302.86
798	TP	1457150.71	1530472.23	5302.96
799	TP	1457171.89	1530518.55	5302.60
802	TP	1457147.10	1530558.52	5302.08



Fidelity
INVESTMENTS
CORPORATE OFFICE PARKING LOT
5401 WATSON DR SE
ALBUQUERQUE, NM

PROJECT NUMBER:
WFXQ8600
DATE ISSUED:
6/25/2021

ISSUES:
ISSUE 01 - ISSUE FOR BID

REVISIONS:

SHEET CONTENTS:
PAVING & GRADING PLAN

SHEET NUMBER:

C14

FILE INFO:U:\BLDG\WF\XQ8600 - Fidelity - ABQ Parking Lot\Design\Sheets\Civil\CS100.dwg XREFS:V-SP01; JEG_36x24 TB; C-SP01 MODIFIED: Jun 24, 2021 2:48pm PLOTTED: Jun 24, 2021 3:08pm BY:CHOWK PLOT SCALE: 1"=1'



Parking stiping quantity table	
Phase	Total length of parking striping (ft)
1	10158
2	9351
3	7347

Parking count table			
Phase	Number of vehicle parking spots	Number of handicapped parking spots	Number of motorcycle parking spots
1	524	8	7
2	488	0	0
3	356	19	0

LEGEND:
SURFACING

	EX. CONCRETE PAVEMENT		PR. MEDIUM DUTY ASPHALT PAVEMENT
	PR. LIGHT DUTY ASPHALT PAVEMENT		PR. HEAVY DUTY ASPHALT PAVEMENT

	SS _x	EXISTING UNDERGROUND SANITARY SEWER LINE
	SD _x	EXISTING UNDERGROUND STORM SEWER LINE
	G _x	EXISTING UNDERGROUND GAS LINE
	C _x	EXISTING UNDERGROUND COMMUNICATION CABLE
	E _x	EXISTING UNDERGROUND ELECTRICAL CABLE
	W _x	EXISTING UNDERGROUND WATER LINE
		PHASE LINE

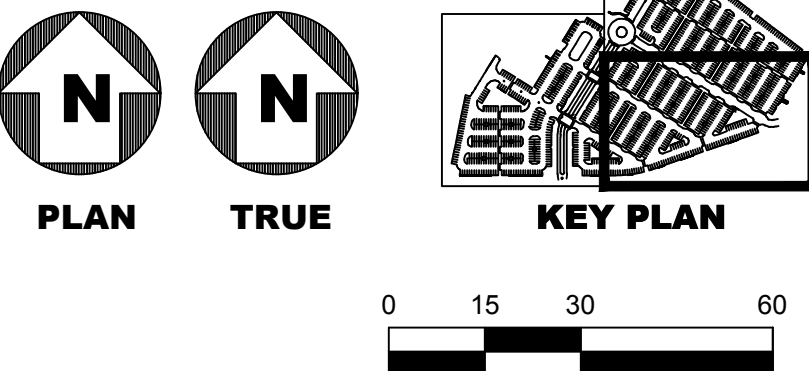
- SITE ELEMENT KEYNOTES**
1. WHEELSTOP (RE: 6/C10)
 2. PARKING LOT STRIPE (RE: 4/C10 & 5/C10)
 3. SPEED HUMP (RE: 7/C10)
 4. EX. SANITARY SEWER MANHOLE
 5. EX. CURB OPENING

- NOTES:**
1. BEARINGS ARE APPROXIMATE, NEW MEXICO STATE PLANE COORDINATE SYSTEM, NORTH ZONE GRID, NAD83.
 2. COORDINATE ALL PAVEMENT DETAILS TO GEOTECHNICAL ENGINEER AND SITE SPECIFIC INVESTIGATION REPORT PREPARED BY TERRACON, TERRACON PROJECT NUMBER 66205168, DATED FEBRUARY 24, 2021.
 3. COMPLETELY REMOVE ASPHALT PAVEMENT AND SUBGRADE TO A DEPTH DETERMINED BY THE GEOTECHNICAL ENGINEER.
 4. CITY OF THE ALBUQUERQUE ZONING IS PLANNED COMMUNITY (PC).
 5. EXISTING UTILTY LINES SHOWN ARE APPROXIMATE ONLY BASED ON JACOBS SURVEY DATED 4/13/2021 TO 4/19/2021.
 6. PROMPTLY INFORM THE ENGINEER OF ANY DISCREPANCY DISCOVERED OR CONFLICT BETWEEN THE DRAWINGS OR SPECIFICATIONS.
 7. DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
 8. PARKING SPACES ARE SHOWN AS 9 LF WIDTH AND 20 LF LENGTH. ENGINEER OF RECORD MAY ASSESS LOCAL CONDITIONS FOR SMALLER SPACE CONFIGURATIONS AS ALLOWED BY LOCAL A.H. GDESIGN MINIMUM SPACE: 9 LF WIDTH, 20 LF LENGTH.
 9. ALL SITE SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE RELEVANT NATIONAL, STATE AND LOCAL JURISDICTIONAL CODES AND REGULATIONS. THIS MAY INCLUDE ADA ACCESSIBILITY GUIDELINES (ADAA), EUROPEAN ACCESSIBILITY ACT (EAA) STANDARDS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), EUROPEAN STANDARD FOR ROAD MARKINGS (EN 1436). PROJECT SPECIFIC SIGNAGE SHALL BE IN ACCORDANCE WITH SUCH APPLICABLE INSTALLATION AND ACCESSIBILITY CODES AND REGULATIONS.

- PAVING NOTES:**
1. THE CONTRACTOR SHALL PROVIDE A FULL DEPTH SAW-OUT AND SMOOTH TRANSITION AT CONNECTIONS TO EXISTING PAVEMENT AND CURB.
 2. ALL SIDEWALKS, ACCESSIBLE PATHS, AND PARKING SHALL CONFORM TO THE NEW MEXICO A.D.A. TRANSITION PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING COMPLIANCE.
 3. THE CONTRACTOR SHALL NOT STAND, PARK, DRIVE ON, OR IN ANY WAY DISTURB OR DAMAGE STEEL REINFORCING FOR SITE WORK. ALL REINFORCING SHALL BE INSTALLED WITH CHAIRS PER THE PLANS AND SPECIFICATIONS.
 4. SUBGRADE SHALL BE MAINTAINED TO WITHIN THE SPECIFIED REQUIREMENTS OF MOISTURE AND DENSITY UNTIL PAVING IS PLACED. PRIOR TO PLACING PAVEMENT, THE CONTRACTOR SHALL RE-TEST THE AREAS SELECTED BY THE CONSTRUCTION MATERIALS TESTING LAB PERSONNEL, AT THE CONTRACTOR'S EXPENSE OR IF REQUESTED BY THE OWNER, ARCHITECT OR ENGINEER, AND IF THE SUBGRADE HAS BEEN PLACED AND ACCEPTED FOR LONGER THAN TEN (10) DAYS AND NO PAVEMENT HAS BEEN CONSTRUCTED.
 5. PAVING CONTRACTOR TO VERIFY AND COORDINATE THE INSTALLATION OF ALL SLEEVES UNDER PAVEMENT FOR THE IRRIGATION SYSTEM, IRRIGATION CONTROLS, ELECTRICAL, EXTERIOR SITE LIGHTING AND SIGNAGE, ETC. PRIOR TO THE PLACEMENT OF PAVING.
 6. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.
 7. RADIAL JOINTS SHALL BE NO SHORTER THAN 1'5".
 8. CONTRACTOR SHALL AVOID CONSTRUCTING IRREGULAR SHAPED PANELS AN IRREGULAR SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE, WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1, OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR
 9. REFER TO GEOTECHNICAL ENGINEERING REPORT PREPARE BY TERRACON, REPORT NUMBER 66205168, DATED MAY 21, 2021, SECTION 4.3.2. AND NMDOT SPECS FOR PAVEMENT MATERIALS RECOMMENDATIONS. MATERIALS MEETING NMDOT AND COA SP-IV SPECIFICATIONS SHALL BE USE AS ASPHALT PAVEMENT MATERIALS.

- EXCAVATION AND GRADING REQUIREMENTS:**
1. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, LATEST EDITION DATE JANUARY, 9, 2019 AND SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER. ALL SPECIFICATIONS REFERENCED HEREIN REFER TO THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL UNLESS INDICATED OTHERWISE.
 2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL, THROUGHOUT CONSTRUCTION, IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD, LATEST EDITION) AND THE NEW MEXICO DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL STANDARDS.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GENERAL SAFETY DURING CONSTRUCTION AND ALL WORK SHALL CONFORM TO PERTINENT SAFETY REGULATIONS AND CODES. THE CONTRACTOR SHALL FENCE AND/OR BARRICADE THE CONSTRUCTION AREA AS REQUIRED TO PROTECT ADJACENT SITES, VEHICULAR TRAFFIC AND PEDESTRIAN TRAFFIC. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF OSHA AND NRS CHAPTER 618, IN THE CONSTRUCTION PRACTICES FOR ALL EMPLOYEES DIRECTLY ENGAGED IN THE CONSTRUCTION OF SAID PROJECT.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND/OR PROTECTION OF ALL EXISTING AND PROPOSED PIPING, UTILITIES, STRUCTURES ADJACENT TO STREETS AND ALL OTHER EXISTING IMPROVEMENTS.
 5. THE CONTRACTOR SHALL INCORPORATE ADEQUATE DRAINAGE PROCEDURES DURING THE CONSTRUCTION PROCESS TO ELIMINATE EXCESSIVE PONDING AND/OR EROSION. THE CONTRACTOR SHALL ALSO INSTALL EROSION AND RUN-OFF CONTROL MEASURES AT PUBLIC ROADS AND DRAINAGEWAYS.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SITE IN A NEAT AND ORDERLY MANNER THROUGHOUT THE CONSTRUCTION PROCESS. ALL MATERIALS SHALL BE STORED WITHIN APPROVED CONSTRUCTION AREAS.
 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REGULAR CLEANING OF ALL MUD, DIRT, DEBRIS, ETC. FROM ANY AND ALL ADJACENT STREETS AND SIDEWALKS.
 8. NO MATERIALS OF ANY KIND SHALL BE STOCKPILED OR CONSTRUCTION EQUIPMENT PARKED ON CONCRETE OR ASPHALT SURFACES.
 9. CONSTRUCTION OF STREET IMPROVEMENTS MUST ALLOW FOR THE PERPETUATION OF ALL EXISTING LEGAL ACCESSES AND EXISTING DRIVEWAYS.
 10. INSPECTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE UNIFORM ADMINISTRATIVE CODE 2020 EDITION.
 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LAYOUTS OF LINES AND GRADES PROVIDED BY A NEW MEXICO LICENSED SURVEYOR.

- EARTH WORK REQUIREMENTS:**
1. CLEARING AND GRUBBING, SUB-GRADE PREPARATION AND EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE REQUIREMENTS.
 2. CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
 3. NO FENCE OR OTHER OBSTRUCTION WHICH INTERFERES WITH DISCHARGE SHALL BE CONSTRUCTED WITHIN THE DRAINAGE OR STORM DRAIN EASEMENTS. ALL EXCESS OR UNSUITABLE MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH THE LATEST CITY OF ALBUQUERQUE REGULATIONS.



PROJECT NUMBER:
WFXQ8600
DATE ISSUED:
6/25/2021

ISSUES:
ISSUE 01 - ISSUE FOR BID

REVISIONS:

SHEET CONTENTS:
PAVING & GRADING PLAN

POINT TABLE				
#	DESC	NORTHING	EASTING	ELEVATION
288	TP	1457102.99	1530351.45	5303.10
289	TP	1457116.10	1530330.21	5303.39
290	TP	1457122.64	1530319.62	5303.61
386	TP	1457143.46	1530922.14	5299.14
388	TP	1457139.26	1530928.59	5299.12
390	TP	1457109.60	1530976.50	5298.52
391	TP	1457105.56	1530982.88	5298.45
392	TP	1457124.56	1530985.67	5298.53
393	TP	1457120.50	1530992.19	5298.42
394	TP	1457049.12	1531022.53	5298.39
395	TP	1457124.68	1531069.47	5298.87
396	TP	1457135.62	1531051.96	5299.17
404	TP	1457128.00	1531015.12	5298.32
446	TP	1457121.09	1530747.95	5300.36
447	TP	1457114.84	1530757.90	5300.28
462	TP	1457141.36	1530680.52	5301.09
463	TP	1457137.28	1530687.16	5301.00
464	TP	1457126.45	1530671.24	5301.13
465	TP	1457122.33	1530677.83	5300.99
466	TP	1457059.97	1530709.98	5300.44
469	TP	1457053.77	1530719.88	5300.31
473	TP	1457136.65	1530870.50	5299.51
474	TP	1457123.85	1530890.88	5299.35
475	TP	1457102.80	1530924.79	5298.99
476	TP	1457090.12	1530945.22	5298.62
477	TP	1457068.95	1530979.09	5298.20
478	TP	1457054.66	1531002.14	5298.67
479	TP	1457038.17	1531015.60	5298.55
480	TP	1457005.23	1530995.10	5298.05
481	TP	1457003.41	1530987.58	5297.99
482	TP	1456995.89	1530989.10	5297.85
483	TP	1456959.40	1530966.45	5297.92
484	TP	1456957.61	1530959.11	5297.94
485	TP	1456949.92	1530960.71	5298.05
486	TP	1456925.29	1530945.13	5298.67
487	TP	1456936.10	1530927.10	5298.74
488	TP	1456927.69	1530921.97	5298.78
489	TP	1456980.73	1530905.32	5298.48
490	TP	1456995.63	1530914.66	5298.45
491	TP	1456999.91	1530908.00	5298.63
492	TP	1456984.81	1530898.74	5298.60
493	TP	1457030.47	1530926.85	5298.64
494	TP	1457026.54	1530933.87	5298.52
495	TP	1457041.65	1530943.09	5298.58
496	TP	1457045.67	1530936.63	5298.51
497	TP	1457075.38	1530888.73	5299.02
498	TP	1457060.46	1530879.44	5299.04
499	TP	1457064.50	1530872.98	5299.09
500	TP	1457079.52	1530882.27	5299.12
501	TP	1457033.61	1530853.78	5299.14
502	TP	1457029.50	1530860.28	5299.08
503	TP	1457014.59	1530850.99	5299.08
504	TP	1457018.72	1530844.41	5299.18
505	TP	1457048.22	1530796.51	5299.66
506	TP	1457063.38	1530805.94	5299.69
507	TP	1457067.59	1530799.56	5299.82
508	TP	1457052.49	1530790.18	5299.75
509	TP	1457098.40	1530818.66	5299.72
510	TP	1457094.31	1530825.15	5299.64
511	TP	1457109.41	1530834.53	5299.62
512	TP	1457113.32	1530828.09	5299.66
517	TP	1457137.87	1530448.62	5303.00
519	TP	1457121.31	1530507.98	5302.48
520	TP	1456999.26	1530431.87	5301.93
521	TP	1457066.97	1530323.04	5302.75
522	TP	1457101.35	1530344.39	5303.17
523	TP	1457110.11	1530349.85	5303.18
524	TP	1457120.08	1530408.11	5303.18
525	TP	1457123.40	1530426.27	5303.14
526	TP	1457117.28	1530436.24	5302.93
527	TP	1457099.08	1530441.97	5302.69
528	TP	1457061.86	1530399.86	5302.55
529	TP	1457076.85	1530409.24	5302.66
530	TP	1457080.93	1530402.71	5302.72
531	TP	1457065.78	1530393.33	5302.68
532	TP	1456993.08	1530441.81	5301.88
533	TP	1457115.24	1530517.78	5302.28
534	TP	1457037.80	1530540.75	5301.74
535	TP	1457052.68	1530545.43	5301.79
536	TP	1457048.66	1530556.54	5301.70

POINT TABLE				
#	DESC	NORTHING	EASTING	ELEVATION
537	TP	1457033.65	1530547.20	5301.65
538	TP	1457002.73	1530527.94	5301.68
539	TP	1457006.90	1530521.58	5301.78
540	TP	1456991.82	1530512.17	5301.60
541	TP	1456987.90	1530518.55	5301.61
542	TP	1457003.86	1530594.94	5301.13
543	TP	1457018.97	1530604.33	5301.05
544	TP	1457014.84	1530610.91	5301.08
545	TP	1456999.82	1530601.50	5301.05
546	TP	1456958.00	1530566.54	5301.07
547	TP	1456973.22	1530575.91	5301.08
548	TP	1456968.98	1530582.34	5301.04
549	TP	1456953.92	1530572.99	5300.98
550	TP	1457013.65	1530681.28	5300.42
551	TP	1456981.40	1530605.04	5300.44
552	TP	1456885.17	1530614.99	5300.40
553	TP	1457007.50	1530691.11	5300.26
554	TP	1456939.75	1530799.88	5299.03
555	TP	1456940.91	1530729.70	5299.65
556	TP	1456945.02	1530723.37	5299.67
557	TP	1456929.90	1530713.77	5299.62
558	TP	1456925.99	1530720.42	5299.62
559	TP	1456895.13	1530701.17	5299.78
560	TP	1456899.16	1530694.69	5299.75
561	TP	1456884.10	1530685.33	5299.76
562	TP	1456880.17	1530691.88	5299.61
563	TP	1456851.36	1530669.64	5299.78
564	TP	1456858.73	1530671.97	5299.70
565	TP	1456849.25	1530689.96	5299.49
566	TP	1456842.65	1530682.59	5299.64
567	TP	1456853.56	1530722.56	5299.58
568	TP	1456866.26	1530730.64	5299.57
569	TP	1456855.80	1530747.60	5299.37
570	TP	1456845.90	1530728.17	5299.49
571	TP	1456862.57	1530776.19	5299.51
572	TP	1456881.45	1530769.76	5299.45
573	TP	1456907.90	1530846.40	5299.94
574	TP	1456889.32	1530853.40	5299.85
575	TP	1456895.34	1530871.42	5299.80
576	TP	1456882.02	1530894.02	5299.56
577	TP	1456874.62	1530888.07	5299.69
578	TP	1456857.62	1530893.79	5299.55
579	TP	1456790.48	1530700.33	5299.48
580	TP	1456808.79	1530692.83	5299.75
581	TP	1456807.14	1530686.96	5299.72
582	TP	1456785.82	1530686.68	5299.51
583	TP	1456715.50	1530484.48	5299.40
584	TP	1456732.05	1530469.60	5299.58
585	TP	1456754.91	1530464.00	5299.54
586	TP	1456761.09	1530472.00	5299.62
587	TP	1456771.45	1530455.07	5299.86
588	TP	1456764.23	1530450.44	5300.05
589	TP	1456831.88	1530341.60	5300.53
590	TP	1456954.10	1530417.58	5301.52
591	TP	1456944.43	1530433.33	5301.35
592	TP	1456930.08	1530456.15	5301.29
593	TP	1456910.15	1530488.05	5300.81
594	TP	1456896.08	1530510.75	5300.76
595	TP	1456876.73	1530541.66	5300.48
596	TP	1456891.36	1530449.69	5300.88
597	TP	1456876.40	1530440.29	5300.72
598	TP	1456872.37	1530446.79	5300.70
599	TP	1456887.32	1530456.30	5300.78
600	TP	1456845.56	1530421.16	5300.50
601	TP	1456841.54	1530427.67	5300.46
602	TP	1456830.51	1530411.72	5300.32
603	TP	1456826.44	1530418.28	5300.26
604	TP	1456796.67	1530466.09	5299.92
605	TP	1456811.66	1530475.52	5300.13
606	TP	1456792.64	1530472.66	5299.84
607	TP	1456807.69	1530482.06	5300.13
608	TP	1456842.54	1530494.70	5300.35
609	TP	1456857.51	1530504.05	5300.48
610	TP	1456838.61	1530501.26	5300.24
611	TP	1456853.55	1530510.56	5300.31
612	TP	1456801.49	1530526.04	5299.95
613	TP	1456861.31	1530566.70	5300.35
614	TP	1456858.83	1530589.30	5300.31
615	TP	1456841.82	1530578.65	5300.32
616	TP	1456827.54	1530601.77	5300.19

POINT TABLE				
#	DESC	NORTHING	EASTING	ELEVATION
617	TP	1456844.39	1530612.42	5300.08
618	TP	1456836.61	1530624.95	5299.92
619	TP	1456827.98	1530613.46	5299.88
620	TP	1456811.46	1530619.31	5299.66
621	TP	1456809.90	1530562.29	5299.84
622	TP	1456791.29	1530569.04	5299.74
623	TP	1456779.87	1530538.37	5299.64
624	TP	1456960.24	1530407.88	5301.66
625	TP	1456970.35	1530391.51	5301.64
626	TP	1456970.91	1530408.97	5301.74
627	TP	1456959.68	1530427.27	5301.55
628	TP	1456984.14	1530369.26	5301.78
629	TP	1457004.12	1530337.29	5302.23
630	TP	1456998.27	1530384.67	5301.98
631	TP	1457004.67	1530354.86	5302.10
635	TP	1457054.48	1530321.24	5302.80
636	TP	1457053.05	1530334.95	5302.65
637	TP	1457037.34	1530359.84	5302.44
638	TP	1457019.03	1530389.05	5302.26
639	TP	1457003.44	1530414.11	5302.00
640	TP	1456978.86	1530453.21	5301.70
641	TP	1456963.38	1530478.68	5301.51
642	TP	1456945.06	1530507.93	5301.25
643	TP	1456929.36	1530533.23	5300.91
644	TP	1456911.18	1530561.77	5300.64
645	TP	1456895.66	1530587.29	5300.58
646	TP	1456871.15	1530625.90	5300.10
647	TP	1456855.25	1530652.16	5299.82
648	TP	1456841.06	1530675.68	5299.67
649	TP	1456873.05	1530612.02	5300.18
650	TP	1456884.18	1530594.37	5300.43
651	TP	1456912.70	1530548.40	5300.76
652	TP	1456919.38	1530538.19	5300.82
653	TP	1456946.26	1530494.25	5301.22
654	TP	1456951.73	1530485.66	5301.32
655	TP	1456960.11	1530439.94	5301.64
656	TP	1456992.52	1530420.24	5301.89
657	TP	1457019.58	1530376.74	5302.25
658	TP	1457026.04	1530366.39	5302.37
669	TP	1456950.36	1530321.38	5301.76
670	TP	1456965.37	1530330.77	5301.93
671	TP	1456986.127	1530337.32	5301.79
672	TP	1456946.25	1530327.96	5301.66
673	TP	1456838.02	1530331.71	5300.63
674	TP	1456931.55	1530472.65	5301.12
675	TP	1456924.19	1530483.56	5301.01
676	TP	1456898.13	1530525.96	5300.64
677	TP	1456891.89	1530536.11	5300.56
678	TP	1456863.01	1530582.52	5300.24
679	TP	1456866.69	1530535.48	5299.43
697	TP	1456710.24	1530465.35	5299.35
698	TP	1456730.51	1530463.82	5299.51
699	TP	1456753.05	1530457.77	5299.62
716	TP	1456759.79	1530369.02	5299.89
717	TP	1456740.13	1530369.15	5299.73
718	TP	1456759.10	1530380.05	5299.79
719	TP	1456766.66	1530375.49	5299.74
720	TP	1456783.91	1530347.85	5300.09
721	TP	1456766.96	1530337.18	5300.06
722	TP	1456899.13	1530369.79	5301.15
723	TP	1456892.99	1530379.59	5301.06
724	TP	1457060.34	1530469.83	5302.33
725	TP	1457054.19	1530478.93	5302.24
726	TP	1456952.56	1530463.11	5300.39
727	TP	1456948.33	1530563.05	5300.27
728	TP	1456897.77	1530773.74	5299.12
730	TP	1456704.78	1530434.91	5299.24
731	TP	1456698.91	1530397.67	5299.14
732	TP	1456739.30	1530552.91	5299.28
733	TP	1456749.87	1530583.31	5299.36
734	TP	1456767.67	1530634.49	5299.25
735	TP	1456805.06	1530742.34	5299.21
736	TP	1456821.75	1530790.39	5299.01
737	TP	1456848.44	1530867.34	5299.34
738	TP	1457066.87	1531045.77	5297.32
739	TP	1457092.04	1531049.03	5297.40
740	TP	1457089.74	1531047.58	5297.40
741	TP	1457087.93	1531046.44	5297.32
742	TP	1457067.99	1531034.15	5297.81
743	TP	1457108.36	1531059.25	5298.13

FILE INFO:U:\BLDG\WFXQ8600 - Fidelity - ABQ Parking Lot\Design\Sheets\Civil\DA.dwg XREFS:V-SP01; JEG_36x24 TB; C-SP01 MODIFIED: Jul 13, 2021 10:24am BY:CHOWK PLOT SCALE: 1"=1'



LEGEND:

- DRAINAGE AREA SUBDIVIDED LINE
- - - - - BOUNDARY OF EX. RETENTION POND
- . - . - EX. STORM DRAIN PIPE

DRAINAGE MANAGEMENT PLAN

I. INTRODUCTION

THE PURPOSE OF THIS SUBMITTAL IS TO PRESENT A CONCEPTUAL GRADING AND DRAINAGE PLAN FOR THE PLANNED RE-PAVING OF THE PARKING LOT AT 5401 WATSON DR. SE. THE INTENT OF THIS PROJECT IS TO REMOVE 12 AC OF EXISTING ASPHALT PAVEMENT AND REPAVE WITH NEW SUBBASE AND ASPHALT TO MATCH EXISTING GRADES AND DRAINAGE PATTERNS. THIS SUBMITTAL IS IN SUPPORT OF A HYDROLOGY REVIEW AND CONSTRUCTION PERMIT.

II. EXISTING HYDROLOGIC CONDITIONS

THE SITE IS APPROXIMATELY 24.8 ACRES AND IS CURRENTLY DEVELOPED. THE LAND SLOPES AT APPROXIMATELY 0.5% TO 1.0% FROM THE WEST TO THE EAST TOWARDS AND SERIES OF EXISTING RETENTION PONDS. THE SITE WAS PREVIOUSLY SUB-DIVIDED INTO MULTIPLE BASINS AND DRAINS BOTH OVERLAND AND THROUGH A SYSTEM OF STORM DRAINS. BASINS 1 AND 2 DRAIN TO WATER HARVESTING AREAS IN THEIR RESPECTIVE BASINS. THE PONDS DRAIN TO THE ONSITE STORM DRAIN SYSTEM. BASIN 5 DRAINS TO A SERIES OF STORM DRAIN INLETS IN THE ONSITE STORM DRAIN SYSTEM BEFORE DISCHARGING TO A REGIONAL RETENTION POND SYSTEM. BASINS 3, 4, AND 7 SURFACE FLOW SOUTH AND OUTFALL DIRECTLY TO THE REGIONAL RETENTION POND ALONG THE SOUTHERN PROPERTY LINE. BASIN 6 FLOWS ALONG THE NORTHEAST PROPERTY BEFORE DISCHARGING INTO BASIN 5 AND FLOWING TO THE RETENTION POND SYSTEM WITH A PORTION SURFACE FLOWING AND THE OTHER THROUGH THE ONSITE STORM DRAIN SYSTEM. WATER HARVESTING AREAS ARE PRESENT ON THE SITE IN ALL MAJOR MEDIAN AREAS BUT WERE NOT INCLUDED IN THE HYDROLOGIC ANALYSIS OF THE SITE AS TO ACCOUNT FOR ALL DEVELOPED DISCHARGE. THE EXISTING DISCHARGE FOR THE SITE IS 101.5 CFS, AS SHOWN IN DOCUMENTS RELATED TO HYDROTANS NUMBER R16DA001, WELL BELOW THE ALLOWABLE 110.5 CFS AS SET FORTH IN THE BLOCK DRAINAGE MANAGEMENT PLAN.

III. PROPOSED HYDROLOGIC CONDITIONS

THE PROPOSED RE-PAVING EFFORTS DO NOT CHANGE THE EXISTING PERVIOUS AND IMPERVIOUS AREAS ON SITE. PROPOSED GRADING IS TO MATCH EXISTING, AND THE PROPOSED SURFACE PAVING MATERIAL IS TO MATCH EXISTING. THE INCLUDED CALCULATIONS AND DRAINAGE ANALYSIS ARE BASED ON THE EXISTING GRADE CONDITION, WITH NO MODIFICATIONS TO THE BASIN DRAINAGE PATTERNS AS DESCRIBED IN THE EXISTING CONDITIONS, AND NO MODIFICATIONS TO THE UNDERGROUND STORM DRAIN SYSTEM. THESE CALCULATIONS ARE BASED UPON THE GUIDELINES AND FRAMEWORK OF THE DEVELOPMENT PROCESS MANUAL (DPM) DATE, JUNE 8, 2020. AS IN THE PREVIOUSLY APPROVED ANALYSIS, WATER HARVESTING AREAS LOCATED IN ALL MAJOR MEDIAN AREAS WERE NOT INCLUDED IN THE HYDROLOGIC ANALYSIS OF THE SITE AS TO ACCOUNT FOR ALL DEVELOPED DISCHARGE. PLEASE SEE THE INCLUDED TABLES FOR ALL APPLICABLE COMPUTATIONS. THE TOTAL CALCULATED FLOW FOR THE SITE IS 96 CFS, BELOW THE ALLOWABLE FLOW OF 110.5 CFS AS SET FORTH IN THE BLOCK DRAINAGE MANAGEMENT PLAN.

OFFSITE DRAINAGE

CURRENT DRAINAGE FROM THE NORTH WAS DIVERTED ALONG THE NORTHEAST PROPERTY LINE AND CONTINUING ALONG HISTORIC PATHS TO THE EXISTING RETENTION PONDS.

FLOODPLAIN

FOLLOWING FEMA COMMUNITY MAP PANEL #35001C0363G DATED SEPTEMBER 26, 2008. THE SITE IS NOT LOCATED WITHIN A FLOODPLAIN.

V. CONCLUSION

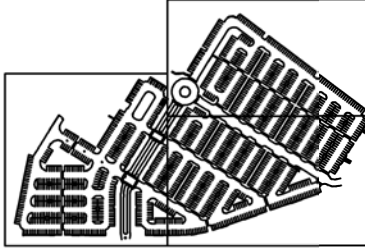
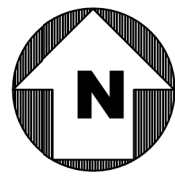
THE TOTAL FLOW DISCHARGED FROM THE SITE IS APPROXIMATELY 96 CFS WHICH IS LESS THAN THE ALLOWABLE DISCHARGE OF 111 CFS. THESE FLOWS WERE COMPUTED FOLLOWING SECTION 6 & SECTION 22 OF THE DEVELOPMENT PROCESS MANUAL. THIS DRAINAGE MANAGEMENT PLAN IS CAPABLE OF SAFELY PASSING THE 100 YEAR STORM AND MEETS CITY REQUIREMENTS. WITH THIS SUBMITTAL, WE ARE SEEKING CONSTRUCTION PERMIT APPROVAL.

PROPOSED DRAINAGE AREA CALCULATION									
Land Treatment Zone									
DA NAME	AREA (sqft)	AREA (ac)	A	B	C	D	I (in/hr)	Q (cfs)	V ₁₀₀ (in)
1	128066	2.94	0%	80%	0%	20%	4.81	8.09	1.16
2	88427	2.03	0%	60%	0%	40%	4.81	6.39	1.51
3	166399	3.82	0%	10%	0%	90%	4.81	15.78	2.40
4	394218	9.05	0%	10%	0%	90%	4.81	37.39	2.40
5	277913	6.38	0%	15%	0%	85%	4.81	25.73	2.31
6	25265	0.58	0%	100%	0%	0%	4.81	1.37	0.80
7	14375	0.33	0%	80%	0%	20%	4.81	0.91	1.16
Totals								95.66	192332

1. Per Development Process Manual (DPM) Figure 6.1, site is located at percipitation zone 2.
2. Per Development Process Manual (DPM) section 6-2(A)(5), time of concentration (Tc) is 12 minutes.
3. Per Development Process Manual (DPM) Table 6.2.8, 100-yr intensity is 4.81 in/hr.
4. 100-yr runoff coefficient "C" is based on Development Process Manual (DPM) Table 6.2.15.

STORM DRAIN PIPE TABLE					
PIPE #	Contributing Basins and Storm Drains	Size in.	Slope	Capacity*cfs	ACTUAL FLOW
SD1	(1/3)B3	18	0.52%	7.57	5.21
SD2	(1/2)B3	18	0.91%	10.02	7.89
SD3	B3	24	1.45%	27.23	15.78
SD4	(1/4)B4	24	0.98%	22.39	9.35
SD5	(1/3)B4	24	0.81%	20.36	12.34
SD6	(1/2)B4	24	1.02%	22.84	18.70
SD7	B4	36	0.97%	65.68	37.39
SD8	OS1	30	0.50%	29.00	25.00
SD9	OS1+(1/8)B5+B6	24	2.00%	31.99	29.58
SD10	OS1+B1+B5+B6	42	0.64%	80.48	60.19

INLET TABLE				
INLET #	INLET TYPE	ACTUAL FLOW	AVAIL HEAD FT	CAPACITY CFS
IN1	1-SGL COA TYPE D*	5.21	1.00	11.07
IN2	1-SGL COA TYPE D*	5.21	1.00	11.07
IN3	1-SGL COA TYPE D*	5.21	1.00	11.07
IN4	1-SGL COA TYPE D*	9.35	1.00	11.07
IN5	1-SGL COA TYPE D*	9.35	1.00	11.07
IN6	1-SGL COA TYPE D*	9.35	1.00	11.07
IN7	1-SGL COA TYPE D*	9.35	0.80	9.91
IN8	1-SGL COA TYPE D*	1.37	0.50	7.83



Digitally signed by
David G Johnson
Date: 2021.07.13
09:53:18-06'00'

PROJECT NUMBER:
WFXQ8600
DATE ISSUED:
6/25/2021

ISSUES:
ISSUE 01 - IFC

REVISIONS:

SHEET CONTENTS:
DRAINAGE AREA MAP

SHEET NUMBER:
C18