

PROPOSED SPOT ELEVATIONS (FINISHED GRADE)

MATCH EXISTING ELEVATIONS

TOP OF CONCRETE
FLOW LINE, CURB

INVERT
FINISH GRADE
TOP OF BASE COURSE
TOP OF CURB
TOP OF CURB
TOP OF GRATE

GRADE BREAK—HIGH POINT

SWALE

STORM DRAIN LINE

PROPOSED MAJOR CONTOUR
PROPOSED MINOR CONTOUR
EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR
EXISTING MINOR CONTOUR

GRADING AND DRAINAGE NARRITIVE

THE EXISTING PROPERTY FOR DAVITA ALBUQUERQUE II IS LOCATED AT 10500 COPPER POINTE WAY N.E. THE SITE IS ACCESSED FROM THE NORTH AND WEST SIDE FROM COPPER POINTE WAY N.E. THE SITE CONSISTS OF A VACANT LOT WITH NO DEVELOPMENT. THERE IS AN EXISTING ROADWAY (COPPER POINTE WAY) ON THE NORTH AND WEST SIDE. THERE IS AN EXISTING COMMERCIAL DEVELOPMENT TO THE EAST AND SOUTH SIDE. THE LAND IS GENERALLY FLAT AND SLOPES FROM THE SOUTHEAST TO THE NORTHWEST. THERE ARE EXISTING FLOWS COMING FROM THE DEVELOPMENT TO THE SOUTH. THESE FLOWS ARE ENTERING THE SITE THROUGH TWO EXISTING CURB CUTS ON THE SOUTH END OF THE SITE. THE PROPOSED BUILDING WILL BE CONSTRUCTED NEAR THE CENTER OF THE SITE WITH AN ASPHALT PARKING LOT TO THE NORTH AND WEST OF THE PROPOSED BUILDING.

THE PROPOSED GRADING IMPROVEMENTS WILL INCLUDE STANDARD CURB AND GUTTER, WITH CURB CUTS AND RUNDOWNS ALLOWING STORMWATER INTO PROPOSED WATER HARVESTING AREAS. THIS WATER HARVESTING AREAS WILL BE USED TO MANAGE THE 90TH PERCENTILE STORM EVENTS (REQD VOL= (0.33 IN. * 36000 SF)/12 = 990 CF. PROPOSED WATER HARVEST AREA VOL IS GREATER THAN 1100 CF > 990 CF, AS REQUIRED BY THE RECENT CITY OF ALBUQUERQUE DRAINAGE ORDINANCE CHANGES. ALL ROOF DRAINAGE AND PROPOSED ASPHALT PARKING AREAS WILL DISCHARGE INTO WATER HARVEST AREAS IN THE NORTHEAST CORNER OF THE SITE AND THE EASTERN PORTION OF THE SITE.

THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A FEMA DESIGNATED FLOOD ZONE AS PER FEMA MAPS.

NOTE TO CONTRACTOR: ALL EXISTING UTILITIES THAT ARE BEING AFFECTED BY NEW IMPROVEMENTS ON THIS PROJECT SHALL ADJUST THEM TO GRADE. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES AS NECESSARY FOR ALL ADJUSTMENTS TO EXISTING UTILITIES.

KEYED NOTES:

- 1 NEW HEAVY DUTY CONCRETE PAVEMENT SECTION. SEE SECTION DETAILS ON ARCHITECTURAL PLANS AND IN THE GEOTECHNICAL REPORT.
- NEW HOT MIX ASPHALT PAVEMENT SECTION. SEE SECTION DETAILS ON SHEET C-502. ALL PARKING STALLS SHALL BE LIGHT DUTY HOT MIX ASPHALT. ALL OTHER ASPHALT SHALL BE HEAVY DUTY HOT MIX ASPHALT.
- NEW CONCRETE SIDEWALK. AS PER COA STANDARD DWG 2430 AND SHEET C-501. CONTRACTOR SHALL SUBMIT A JOINT PATTERN TO THE PROJECT ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- $\overline{\langle 4 \rangle}$ NEW TYPE A HANDICAP RAMP, SEE DETAIL ON SHEET C-501.
- 5 NEW WATER HARVEST AREA 2. TOP=66.15, INV=64.65. REQ'D. VOL.=122 CY PROVIDED VOL.=261 CF. 1 WITH FILTER FABRIC. SEE DETAIL ON SHEET C-501.
- 6 NEW CONCRETE DRIVEPAD. AS PER COA STANDARD DETAIL 2425, DRIVE PAD DOESN'T MEET ADA COMPLIANCE. ADA ACCESS IS LOCATED BEHIND DRIVE PAD AS SHOWN.
- $\overline{\langle 7 \rangle}$ APPROXIMATE LOCATION OF PROPERTY LINE.
- $\langle 8 \rangle$ NEW 36" WIDE CURB CUT.
- (9) NEW CONCRETE VALLEY GUTTER. SEE COA STANDARD DWG 2420.
- $\langle 10 \rangle$ Existing curb cuts to remain.
- $\overline{\langle 11 \rangle}$ NEW BUILDING. SEE ARCHITECTURAL PLANS FOR DETAILS.
- SAWCUT EXISTING SIDEWALK TO NEAREST CONSTRUCTION JOINT AND MATCH WITH NEW CONCRETE SIDEWALK.
- $\langle 13 \rangle$ NEW CONCRETE HEADER CURB. SEE SHEET C-501 FOR DETAILS.
- (14) LANDSCAPE AREA. SEE ARCHITECTURAL PLANS FOR DETAILS.
- (15) NEW CONCRETE SIDEWALK/FLATWORK. SEE SHEET C-501.
- NEW CURB AND GUTTER. MATCH EXISTING CURB AND GUTTER SECTION AND ELEVATIONS. SEE SHEET C-501 FOR DETAILS.
- (17) EXISTING SIDEWALK TO REMAIN

CONTOUR INTERVAL = 1

- $\langle 18 \rangle$ NEW LOOSE RIP RAP RUNDOWN. SEE DETAIL ON SHEET C-501.
- $\langle 19 \rangle$ NEW PARKING BUMBERS, SEE ARCHITECTURAL PLANS FOR DETAILS.
- NEW CONCRETE CHANNEL. SEE SECTION DETAIL ON C-501. CONTRACTOR SHALL FIELD VERIFY ELEVATIONS TO ENSURE POSITIVE DRAINAGE AND LOCATION PRIOR TO CONSTRUCTION.
- NEW HANDICAP PARKING WITH PARKING BUMPER. PAINTED MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE MUTCD. CONTRACTOR SHALL SUBMIT A PAVEMENT MARKING LAYOUT TO PROJECT ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
- (22) NEW TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS FOR DETAILS.



Engineers • I

July July # 16-026

RA BUILDING F
ALBUQUERQUE, (505)888,7500
(505)888,3800
WWW.MECNM.CL

Design Checke

ALBUQUERQUE II

ALBUQUERQUE, NEW MEXICO

ND DRAINAGE PLAN

Oate Revision Description BERNAL/LLC

 $\mathcal{L}_{\mathsf{at}}^{\mathsf{LLC}}$

Da/UAlbuquerquat

SHEET NO.

C-10²

LEGEND:

PROPOSED WATER SERVICE LINE
PROPOSED SANITARY SEWER LINE
EXISTING WATER SERVICE LINE
EXISTING SANITARY SEWER LINE
PROPOSED CLEANOUT

M PROPOSED WATER METER▶ PROPOSED FIRE HYDRANT

GENERAL SHEET NOTES

PROPOSED MANHOLE

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY

2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #8, INCLUDING AMENDMENT #1.

3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (811) FOR LOCATION OF EXISTING UTILITIES.

4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. IF A CONFLICT BETWEEN EXISTING UTILITIES AND PROPOSED UTILITIES EXISTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CITY OF ALBUQUERQUE TRAFFIC DEPARTMENT A DETAILED CONSTRUCTION SCHEDULE AND TRAFFIC CONTROL PLAN. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CITY OF ALBUQUERQUE TRAFFIC ENGINEER. CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEER (848–1500) PRIOR TO OCCUPYING AN INTERSECTION OR PERFORMING CONSTRUCTION ON A ROADWAY.

6. ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.

7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.

8. CONTRACTOR SHALL NOTIFY THE ENGINEER 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 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 ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT TO COVER THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAVE BEEN RECORDED.

10. CONTRACTOR SHALL MAINTAIN A GRAFFITI—FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

11. CONTRACTOR SHALL COORDINATE WITH THE ALBUQUERQUE-BERNALILLO COUNTY WATER UTILITY AUTHORITY (ABCWUA) SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY FOURTEEN (14) DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT http://abcwua.org/Water_Main_Shutoff.aspx.

12. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED—OUT IN ACCORDANCE WITH OSHA 29 CFR

13. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.

14. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING AND TRAFFIC CONTROL SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.

15. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, HANDICAP RAMPS AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER CITY OF ALBUQUERQUE STANDARD, AT THEIR OWN

16. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM ABCWUA (WATER UTILITY AUTHORITY), AND CITY OF ALBUQUERQUE INCLUDING, BUT NOT LIMITED TO, THE STREET EXCAVATION PERMIT PRIOR TO CONSTRUCTION. THE PREFERRED BMP IS TO REMOVE SEDIMENT/POLLUTANTS ON THE PROPERTY WHERE CONSTRUCTION ACTIVITY IS OCCURRING.

17. ALL WATERLINE PIPE SHALL BE C-900 PVC.

18 ALL SANITARY SEWERLINE PIPE SHALL BE SDR-35 PVC.

19. CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE PROJECT ENGINEER AND THE ABCWUA FOR REVIEW PRIOR TO CONSTRUCTION.

20. CONTRACTOR SHALL USE RESTRAINED JOINTS AS NECESSARY PER RESTRAINED JOINT MANUFACTURERS RECOMMENDATIONS.

21. CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY COMPONENTS TO GRADE AS NECESSARY, PER ABCWUA STANDARD DRAWINGS AND DETAILS.

22. BACK FILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.

23. MAINTENANCE OF THE WATER AND SANITARY SEWER UTILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.

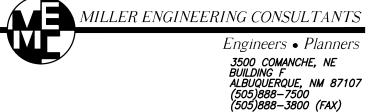
KEYED NOTES:

- CONNECT NEW 4" SANITARY SEWER SERVICE TO SERVICE FROM PROPOSED BUILDING AND DOUBLE CLEANOUTS. SEE MECHANICAL PLANS FOR INVERT AND EXACT LOCATION PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH BUILDING PLUMBING CONTRACTOR FOR LOCATION, INVERT AND PIPE SIZE PRIOR TO CONSTRUCTION.
- 2 NEW 4" SANITARY SEWER SERVICE LINE. MIN. SLOPE = 2.0%. AS PER COA STANDARD DWG 2125.
- CONNECT NEW 4" SANITARY SEWER LINE TO EXISTING SANITARY SEWER MAIN AS PER COA STANDARD DWG. CONTRACTOR SHALL FIELD VERIFY PRIOR TO CONSTRUCTION AND COORDINATE WITH ABCWUA PRIOR TO CONSTRUCTION.
- $\overline{\langle 4 \rangle}$ EXISTING SANITY SEWER MAIN TO REMAIN IN PLACE.
- (5) NEW 4"X4"X45° SANITARY SEWER BEND WITH DOUBLE CLEANOUT. SEE DETAIL SHEET C-502.
- 6 NEW 4"X4"X22 1/2" SANITARY BEND.

SCALE: 1"=20'

CONTOUR INTERVAL = 1'

- 7 NEW 2" DOMESTIC WATER SERVICE LINE. AS PER ABCWUA STANDARD DWG 2301, 2315, 2363. (4' MIN BURY).
- 8 EXISTING WATERLINE TO REMAIN IN PLACE.



LER ENGINEERING CONSULTANTS

Engineers • Planners

3500 CDMANCHE, NE
BUIL DING F
ALBUQUERQUE, NM 87107
(505)888,3800 (FAX)
WWW.MECNM.CDM

Designed JMJ

Drawn
RA
Fil

14507 EN SON OFFESSIONAL STREET

DAVITA ALBUQUERQUE II

CITY OF ALBUQUERQUE, NEW MEXICO

SITE UTILITY PLAN

 $\int a \int t d$

Albuquerq at 10500 Copper Point

SHEET NO.

N



EIFS COLORS TO BE BY STO AS FOLLOWS:

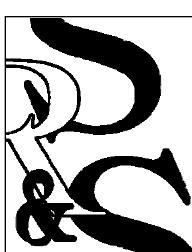
ALUMINUM CANOPY WITH 3/4" HANGER RODS

- LIMESTONE 2088
- LIMESTONE 93860
- LIMESTONE 93440
- LIMESTONE SW61521
- LIMESTONE SW6152
- LIMESTONE SW7034

NO ROOFTOP EQUIPMENT SHALL BE VISIBLE

ABOVE PARAPET LINES





STEPHENS **∞**ŏ ROBBINS ARER

DRAWN Checker CHECKED REVISIONS

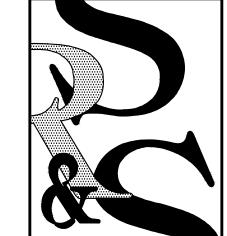
Canopy 12'-0"

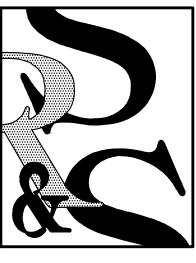
2'-0" DIAMETER EIFS CLAD COLUMN COVERS.

- COVERED CANOPY -

 $/tta_{
m bialysis}$ erque

SHEET NO. PR-102





SEARER,

ARCHITECTURE
1730 EAST NORTHERN AVENU

REFUSE DBR JOB NO. 1642
DATE AUG. 25, 2016

SHEET NO. **Details**