

CONSTRUCTION PLANS FOR 7901 LAS LOMITAS PAVING AND STORM DRAIN IMPROVEMENTS

THE CITY OF ALBUQUERQUE
NEW MEXICO
JANUARY 2020

RGE

INDEX TO DRAWINGS

1. TITLE SHEET
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6. STORM DRAIN CONNECTION PLAN AND PROFILE

I DAVID SOULE, NMPE 14522, OF THE FIRM RIO GRANDE ENGINEERING, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFRASTRUCTURE INSTALLED AS A PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE CITY. AND ABCWUA ENGINEER AND THAT THE ORIGINAL DESIGN INTENT HAS BEEN MET, EXCEPT AS NOTED BY ME OR PERSONNEL UNDER MY DIRECTION AND SURVEY INFORMATION PROVIDED BY DAVID VIGIL NMPLS 8911.



8/26/20

SURVEYORS CERTIFICATION

I, David R. Vigil, New Mexico Professional Surveyor Number 8911, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

David R. Vigil
NMPS No. 8911
August 18, 2020



GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH UPDATE #9, AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
2. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
3. CONTRACTOR SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
4. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
5. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ENGINEER (OR PROJECT MANAGER) 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. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAYMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO STANDARD SPECIFICATIONS SECTION 6.4.

6. EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL SYSTEM (800-368-5868) FOR LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL THEN EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES AND/OR OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. CONTRACTOR SHALL THEN COORDINATE RELOCATION OF UTILITY LINES WITH UTILITY COMPANIES AS REQUIRED. ANY DAMAGE CAUSED BY FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY EXISTING UTILITIES IS THE FULL RESPONSIBILITY OF THE CONTRACTOR.

7. CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS BUILT" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNITS, ALL DATA HAS BEEN RECORDED.

8. CONTRACTOR SHALL ASSUME FINANCIAL RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, EDGINGS, CURBS AND GUTTERS, MANHOLE RAMPS, AND SIDEWALKS DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED ON THE PLANS, AND SHALL REPAIR OR REPLACE, PER THE STANDARD SPECIFICATIONS, ANY SUCH DAMAGE.

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

10. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN ALL CONSTRUCTION SCHEDULING UNITS, THE PROJECT HAS BEEN ACCEPTED BY THE CITY AND OTHER JURISDICTIONAL AUTHORITIES WHERE APPLICABLE.

11. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS SHOWN. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ANY SUCH COSTS INCURRED.

12. REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER & SEWER

13. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING. EXISTING VALVES AND MANHOLES SHALL NOT BE BURIED OR PAVED OVER BUT RIMS SHALL BE ADJUSTED TO MATCH NEW GRADE PER COA STANDARD DRAWINGS 2460 AND 2461.

14. MANHOLE RIMS, FIRE HYDRANT ELEVATIONS, AND PLUMB ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.

15. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT 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 AUTHORIZED TO OPERATE PUBLIC WATER. SHUTOFF REQUESTS MUST BE MADE ONLINE AT [HTTP://WWW.ALBQWA.ORG/WATER_SHUT_OFF_AND_TURN_ON_PROCESSES.ASPX](http://www.albqwa.org/water_shut_off_and_turn_on_procedures.aspx).

16. PROPOSED WATERLINE MATERIALS SHALL BE PVC PIPE MEETING AWWA C-900 DR18 REQUIREMENTS (8" - 12") OR DUCTILE IRON PIPE MEETING AWWA C-150 REQUIREMENTS (8" - 48").

17. ALL WATERLINE FITTINGS, VALVES, BONDS, TEES, CROSSES AND APPURTENANCES SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS. THE JOINT RESTRAINT REQUIREMENTS SHOULD BE DELINEATED WITHIN A JOINT RESTRAINT TABLE.

18. ALL SANITARY SEWER LINE STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING. EXCEPT WHEN PROFILED WITHIN A PROPOSED OR EXISTING STREET, WHERE STREET STATIONING SHALL GOVERN.

19. ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.54.2 AND STANDARD DRAWING NUMBER 2466.

20. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9. THE CONTRACTOR SHALL INSTALL A 4" X 4" X 25" POST AND EMS AT THE END OF EACH SANITARY SEWER SERVICE.

21. TRACER WIRE SHALL BE INCLUDED FOR ALL PUBLIC WATER AND SEWER MAINS AND FOR WATER SERVICES IN ACCORDANCE WITH WATER AUTHORITY DETAILS.

22. CONTRACTOR SHALL PROVIDE THE PROPOSED HYDRO TESTING PLANS TO THE WUA INSPECTORS FOR APPROVAL PRIOR TO BEGINNING TESTING OPERATIONS.

23. AT UTILITY CROSSINGS, WHERE LESS THAN 18" OF VERTICAL SEPARATION FROM STORM DRAIN PIPING OR STRUCTURES IS PROPOSED, LEAN FILL CONSTRUCTION PER SECTION 807 OF THE STANDARD SPECIFICATIONS) SHALL BE USED TO PROTECT THE WATER OR SEWER LINE. LEAN FILL SHALL EXTEND A PERPENDICULAR DISTANCE OF 5 FEET ON EACH SIDE OF THE STORM PIPE OR STRUCTURE.

24. ALL DESIGN AND CONSTRUCTION OF ANY UNDERGROUND UTILITIES SHALL COMPLY WITH ADMINISTRATIVE INSTRUCTION NO. 8 FOR WORK NEARBY OR AFFECTING SAN-JUAN CHAMA TRANSMISSION LINES AND APPURTENANCES. INFORMATION SHALL BE PROVIDED TO THE WATER AUTHORITY ONE (1) MONTH IN ADVANCE OF THE CONSTRUCTION START DATE. INFORMATION CAN BE FOUND AT [HTTP://WWW.ARBHUA.ORG/WATER_SHUT_OFF_AND_TURN_ON_PROCESSES.ASPX](http://www.archbua.org/water_shut_off_and_turn_on_procedures.aspx).

TRANSPORTATION

25. ANY STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH THERMO-PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO THE SAME LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
26. REMOVAL OF EXISTING CURBS & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
27. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS, DESIGNATED TRAFFIC GAP POSITS. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
28. CURBS AND GUTTER, SIDEWALKS, AND DRIVE PAVES SHALL MATCH THE LINE AND GRADE OF ADJUTING EXISTING AREAS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.
29. THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.
30. CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 85, REMOVE 2 FEET OF SUBGRADE MATERIAL, AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 85 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
31. AT ALL PAVEMENT REMOVAL AND REPLACEMENTS, SAW-CUT EDGES SHALL BE STRAIGHT AND CLEAN, AND LONGITUDINAL JOINTS SHALL NOT BE PLACED WITHIN WHEEL PATHS. PATCHES SHALL BE REGULAR AND SQUARE OR RECTANGULAR, WITH FOUR STRAIGHT SIDES. FINISHED PAVEMENT SURFACE SHALL BE FLUSH WITH EXISTING PAVEMENT SURFACE, WITH NO SPILLOVER OF ASPHALT OR TACK COAT. CARE MUST BE TAKEN TO AVOID DAMAGING THE INTEGRITY OR APPEARANCE OF SURROUNDING PAVEMENTS. IF DAMAGED, THE ENTIRE SURFACE PATCH MUST BE EXPANDED TO COVER DAMAGES.
32. CONTRACTOR WILL ENSURE THE ASPHALT HAS A SMOOTH, UNIFORM EDGE WHEN REMOVING AND REPLACING CURBS AND GUTTER. IF THE ASPHALT EDGE IS NOT SMOOTH AND UNIFORM, CONTRACTOR WILL SAW CUT AND REPLACE A ONE-FOOT STRIP OF ASPHALT ALONG THE FULL SECTION BEING REPLACED. REFER TO C.O.A. STANDARD DRAWING # 348 WITH THE APPROPRIATE PAVING SECTION BASED ON ROADWAY CLASSIFICATION.

HYDROLOGY

33. ALL STORM DRAINS SHALL BE RCP CLASS II UNLESS OTHERWISE NOTED ON THE PLANS.
34. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATION. MANUFACTURER'S RECOMMENDATIONS FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL, PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AND WITH CITY APPROVAL.

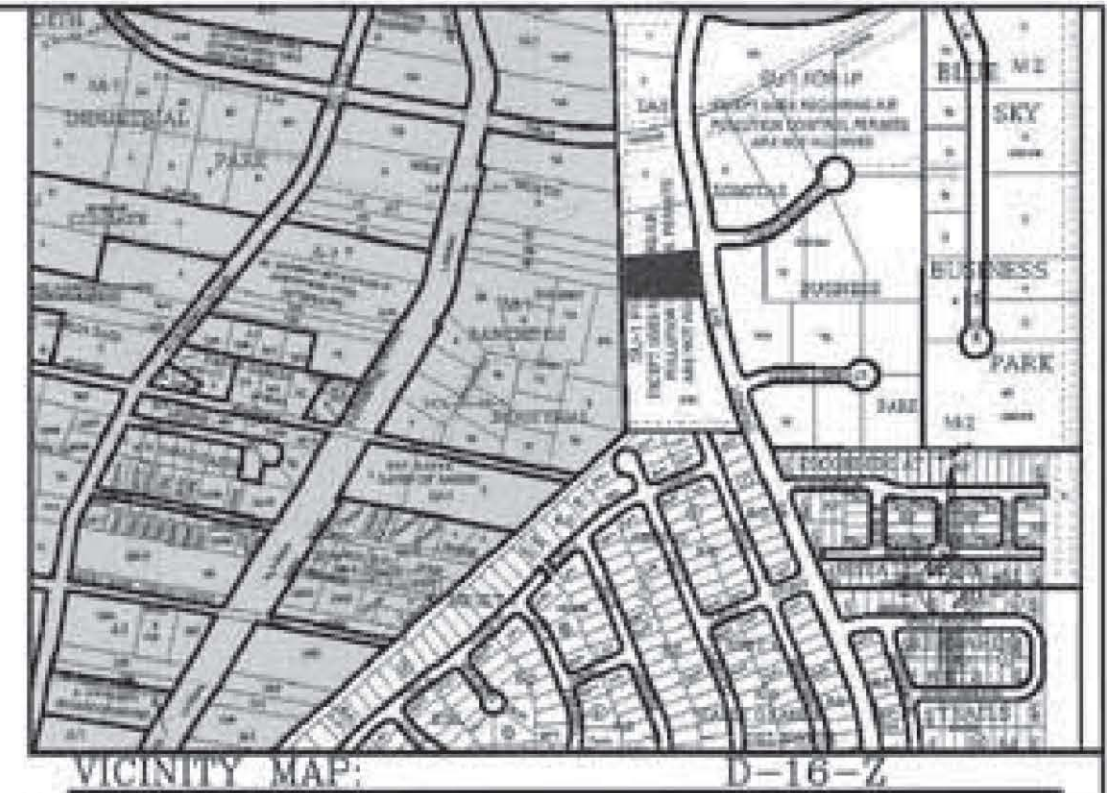
OTHER COMMON NOTES

35. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART F.
36. WHEN DISTURBING MORE THAN 1/2 ACRES, CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
37. IN ADVANCE OF CONSTRUCTION, CONTRACTOR SHALL DETERMINE IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYE, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF CONTRACTOR.
38. PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
39. CONTRACTOR SHALL SUPPORT AND PROTECT ALL EXISTING UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWER LINE COSTS.
40. CONTRACTOR IS TO SUPPORT, PROTECT, AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED AT A MAXIMUM SPACING OF FIFTEEN (15) FEET. CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT IF ANY TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
41. CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY BASEMENTS TO PREVENT ANY EXCAVATED MATERIAL BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
42. CONTRACTOR SHALL CONDUCT ALL WORK IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC.
43. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
44. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND UNSTABLE MATERIAL SHALL BE ARRANGED BY THE CONTRACTOR IN COMPLIANCE WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS. NO REPAIRS WILL BE MADE FOR COSTS ASSOCIATED WITH OBTAINING A DISPOSAL SITE AND HAUL THEREOF.
45. IF CULTURAL RESOURCES, SUCH AS HISTORIC OR PREHISTORIC ARTIFACTS, OR HUMAN REMAINS ARE DISCOVERED DURING EXCAVATION OR CONSTRUCTION, WORK SHALL CEASE AND THE CONSTRUCTION ENGINEER SHALL NOTIFY THE COUNTY OFFICE OF THE MEDICAL EXAMINER AT (505) 373-3053. IF THE MEDICAL EXAMINER DETERMINES THAT HUMAN REMAINS ARE NOT PRESENT, THE CONSTRUCTION ENGINEER SHALL NOTIFY THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AT 827-6320.

GENERAL NOTES USED SELECTIVELY BASED ON SCOPE OF WORK


46. WORK AFFECTING ARTERIAL ROADWAYS MAY REQUIRE TWENTY-FOUR-HOUR CONSTRUCTION.
47. TWO WEEKS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHOULD NOTIFY THE TRANSIT DEPARTMENT OF ANY IMPACT THE PROPOSED PROJECT WILL HAVE ON THE TRANSIT SYSTEM SUCH AS CAUSING A DETOUR, OR CAUSE THE CLOSING OR RELOCATION OF A BUS STOP. THE CONTACT PERSON IS DOUGLAS GOFF, OFFICE PHONE 865-79-3137, CELL PHONE 800-206-0151, AND E-MAIL DOGGOFF@CARO.GOV.
48. STREET NAME SIGNS, REGULATORY SIGNAGE, AND ANY NECESSARY STRIPING ON PRIVATE STREETS ARE THE DEVELOPER'S RESPONSIBILITY.
49. IN ALL AREAS WHERE PUBLIC STREETS OR INFRASTRUCTURE ARE TO BE CONSTRUCTED OVER FELS, THE GEOTECHNICAL ENGINEER SHALL CERTIFY THAT PLACEMENT, COMPACTION, AND ALL OTHER WORK HAS BEEN COMPLETED IN ACCORDANCE WITH COA SPECIFICATION SECTION 204. S&D CERTIFICATION, ALONG WITH SUPPORTING TESTING DOCUMENTATION, SHALL BE PROVIDED TO THE CONSTRUCTION ENGINEER PRIOR TO OR AT THE PRE-CONSTRUCTION CONFERENCE BEFORE WORK ORDER CONSTRUCTION.
- SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO S&D, CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE.

FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE S&D, CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (S&D-400) PRIOR TO OCCUPANCY AN INTERSECTION. REFER TO SECTION 18 OF STANDARD SPECIFICATIONS. PERMIT REQUESTS MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER PROJECTS IN THE AREA.



APPROVED RECORD DRAWINGS	
City Inspector	Arlene Sandoval
Contractor	Yardman Landscaping LLC
Construction Engineer	James Roeder
Date	11/10/2020

RECORD DRAWING

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE		
ENGINEERS STAMP & SIGNATURE			APPROVALS	ENGINEER	DATE	*****			
			DRG Chairman	<i>[Signature]</i>	3/23/2020	APPROVED FOR CONSTRUCTION			
			Transportation	<i>[Signature]</i>	3-8-2020				
			Hydrology	<i>[Signature]</i>	3-19-2020				
			ABCWUA	<i>[Signature]</i>	5/5/2020				
			Constr. Mngmt.						
		Constr. Coord.				Shahab Biazar 5/05/2020			
		Water/Wastewater				City Engineer Date			
3/10/20			CITY PROJECT NO.	693583		SHEET 1 OF 6			

A.L.T.A. / N.S.P.S. LAND TITLE SURVEY OF

TRACT 5
LAS LOMITAS BUSINESS PARK

SITUATE WITHIN
THE ELENA GALLEGOS GRANT
IN
PROJECTED SECTIONS 22 AND 27
TOWNSHIP 11 NORTH, RANGE 3 EAST
NEW MEXICO PRINCIPAL MERIDIAN
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
OCTOBER, 2018

UTILITY DISCLAIMER

SOURCE INFORMATION FROM PLANS AND MARKINGS HAVE BEEN COMBINED WITH OBSERVED EVIDENCE OF UTILITIES TO DEVELOP A VIEW OF THOSE UNDERGROUND UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY. NM 811 LOCATE REQUEST TICKET NUMBER 18SE240600, CREATION DATE: 09/24/18. THERE MAY BE PRIVATE UNDERGROUND UTILITY LINES NOT WITHIN DOCUMENTED EASEMENTS THAT WERE NOT MARKED OUT BY UTILITY LINE-SPOTTING COMPANIES NOTIFIED BY NM811.

THIS PROJECT WAS CALLED IN TO NM811 AS A "DESIGN LOCATE". SOME UTILITY LINE-SPOTTING COMPANIES NOTIFIED BY NM811 CONSIDER "DESIGN LOCATE" CALLS AS LOW PRIORITY AND IN SOME CASES DELAY RESPONSE, PARTIALLY COMPLETE OR NOT RESPOND AT ALL.

THE RETAINING OF A PRIVATE UTILITY LINE-SPOTTING COMPANY MAY BE NECESSARY FOR COMPLETE UTILITY LINE-SPOTTING OF A SUBJECT PROPERTY.

PAINT MARKS AND FLAGGING SET ON THE GROUND BY UTILITY COMPANIES AND OTHERS ARE USED TO DESIGNATE UNDERGROUND UTILITIES AS SHOWN HEREON: RED FOR ELECTRIC, BLUE FOR WATER, YELLOW FOR GAS, ORANGE FOR COMMUNICATIONS, GREEN FOR SEWER. ANY PIPE SIZES OR MATERIAL TYPES SHOWN HEREON WERE DERIVED FROM ASBUILT PLANS AS PROVIDED BY THE VARIOUS UTILITY COMPANIES.

SURV-TEK, INC. MAKES NO REPRESENTATION THAT SAID INFORMATION IS CURRENT OR CORRECT. ARCHITECT, ENGINEER, AND CONTRACTOR WILL BE RESPONSIBLE FOR VERIFICATION OF SAID INFORMATION DURING THEIR DESIGN PROCESS.

QUALIFIED SUBSURFACE UTILITY ENGINEERING (SUE) SERVICES MAY BE REQUIRED. UTILITIES LABELED WITH AN ASTERISK (*) ARE DERIVED OR TRANSCRIBED FROM PROVIDED PLANS AND MUST BE VERIFIED BY THE APPROPRIATE UTILITY. UTILITIES LABELED WITH AN POUND SIGN (#) ARE ASSUMED UTILITY LOCATIONS AND MUST BE VERIFIED BY THE APPROPRIATE UTILITY.

LEGEND

- Storm Drain Manhole
- Sanitary Sewer Manhole
- Sanitary Sewer Line
- Storm Drain Line
- Underground Electric Line
- Underground Communications Line
- Underground Gas Line
- Underground Water Line
- Sanitary Sewer Clean-out
- Water Meter
- Water Valve
- Hydrant
- Cable Pedestal
- Electric Pedestal
- Electric Transformer
- Light Pole
- Ballard
- Concrete Symbol
- Outlet Manhole
- Control Point
- Found Property marker
- Set 5/8" Rebar and cap or PK Nail and brass disc stamped "L.S. 9750"
- Traffic Box
- Hot Box
- Telephone Pedestal
- Utility Pull Box

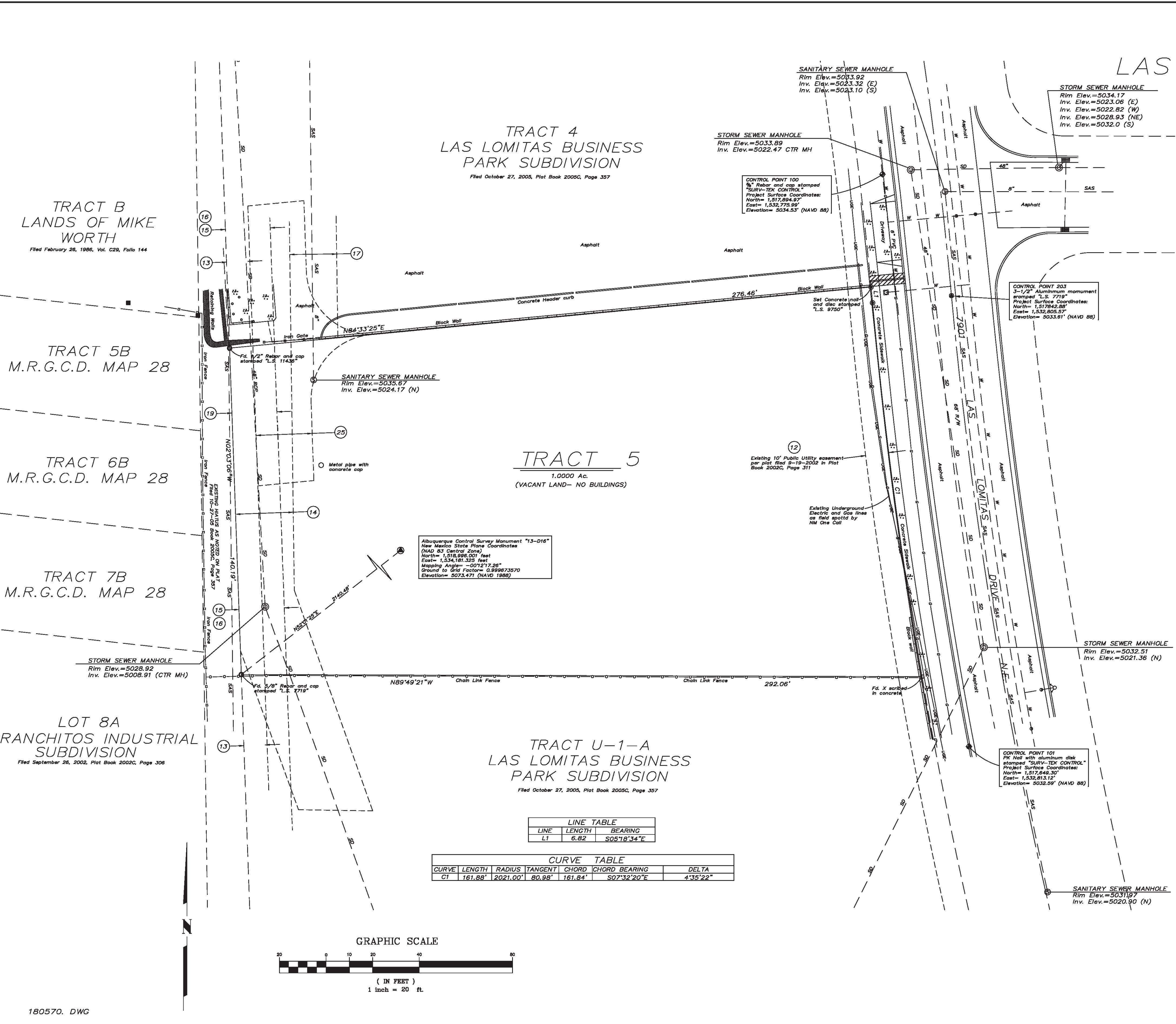
CPN 693593

RECORD DRAWING

SHEET 2

SURV-TEK, INC.

Consulting Surveyors
8384 Valley View Drive, N.W. Albuquerque, New Mexico 87114 Phone: 505-897-5386 Fax: 505-897-5377



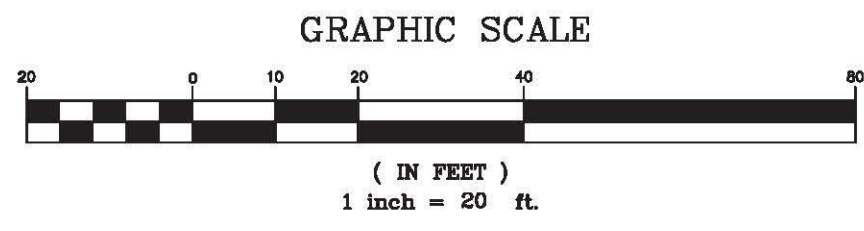
TRACT 4
LAS LOMITAS BUSINESS
PARK SUBDIVISION
Filed October 27, 2005, Plot Book 2005C, Page 357

TRACT 5
1.0000 Ac.
(VACANT LAND- NO BUILDINGS)

TRACT U-1-A
LAS LOMITAS BUSINESS
PARK SUBDIVISION
Filed October 27, 2005, Plot Book 2005C, Page 357

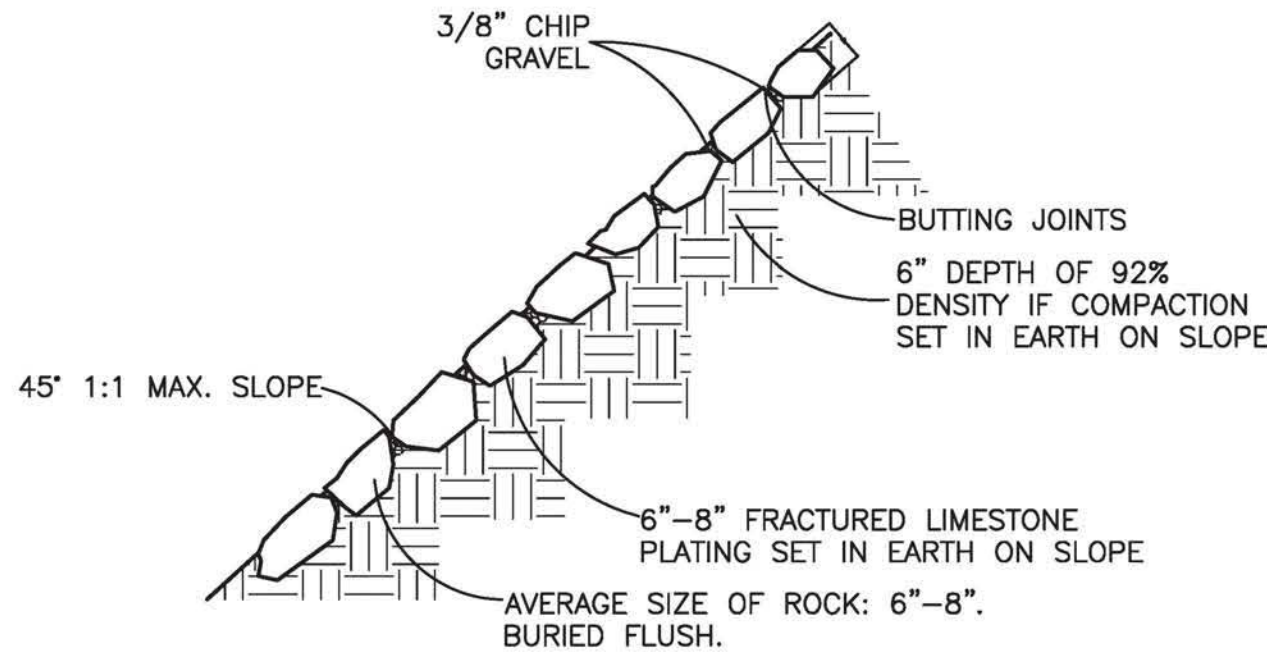
LINE TABLE		
LINE	LENGTH	BEARING
L1	6.82	S05°18'34"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	CHORD BEARING
CT	161.88'	2021.00'	80.88'	161.84'	S07°32'20"E



180570. DWG

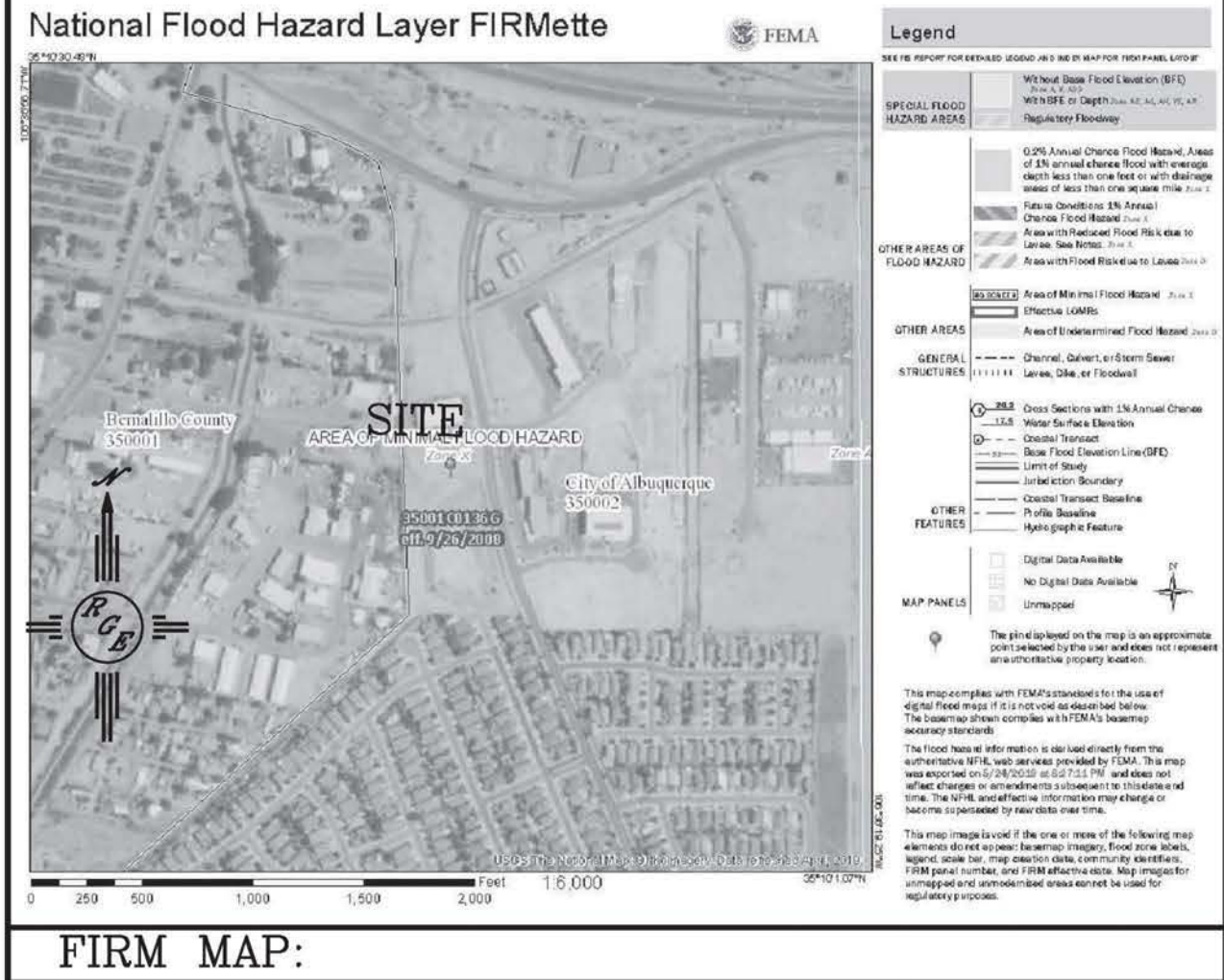
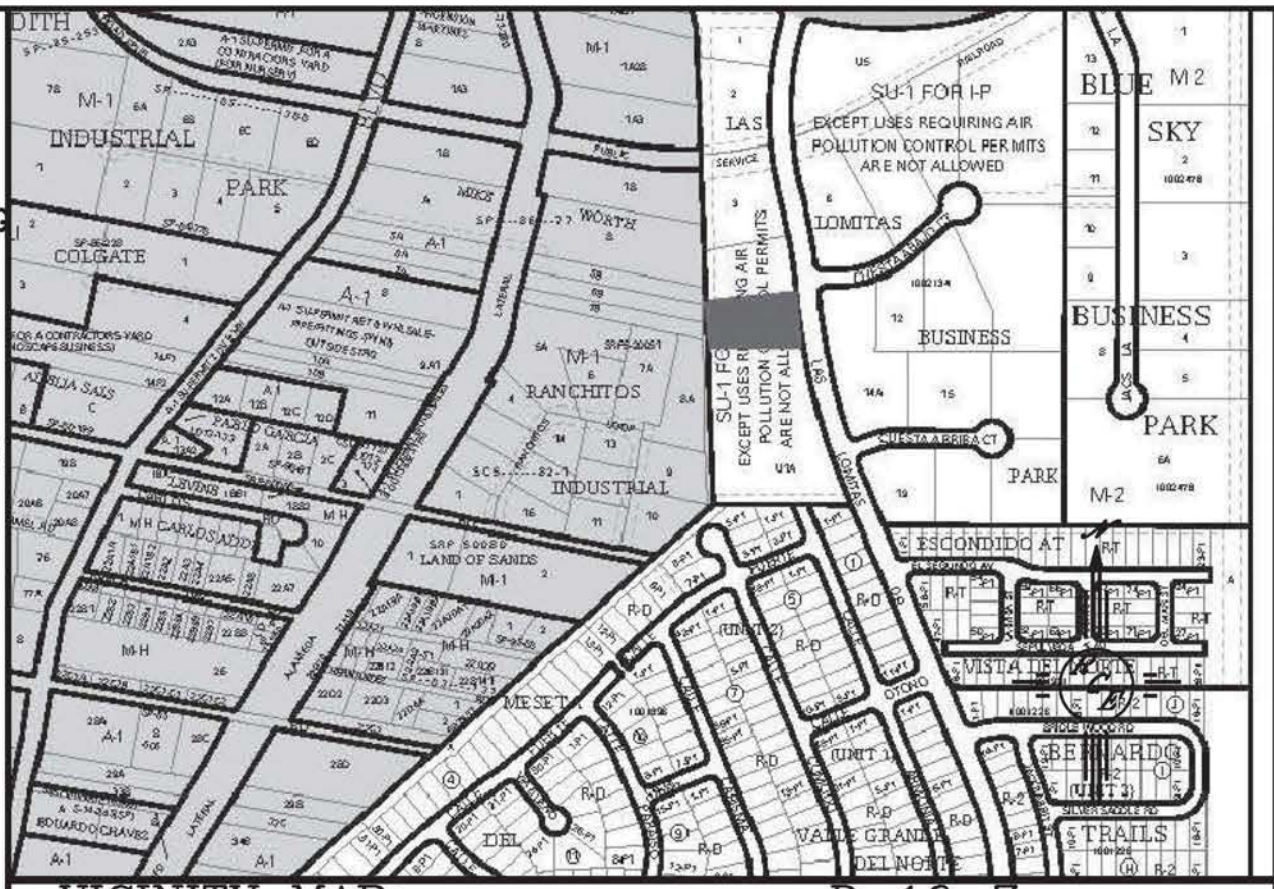
CAUTION:
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.



ROCK PLATING DETAIL
NTS

EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.

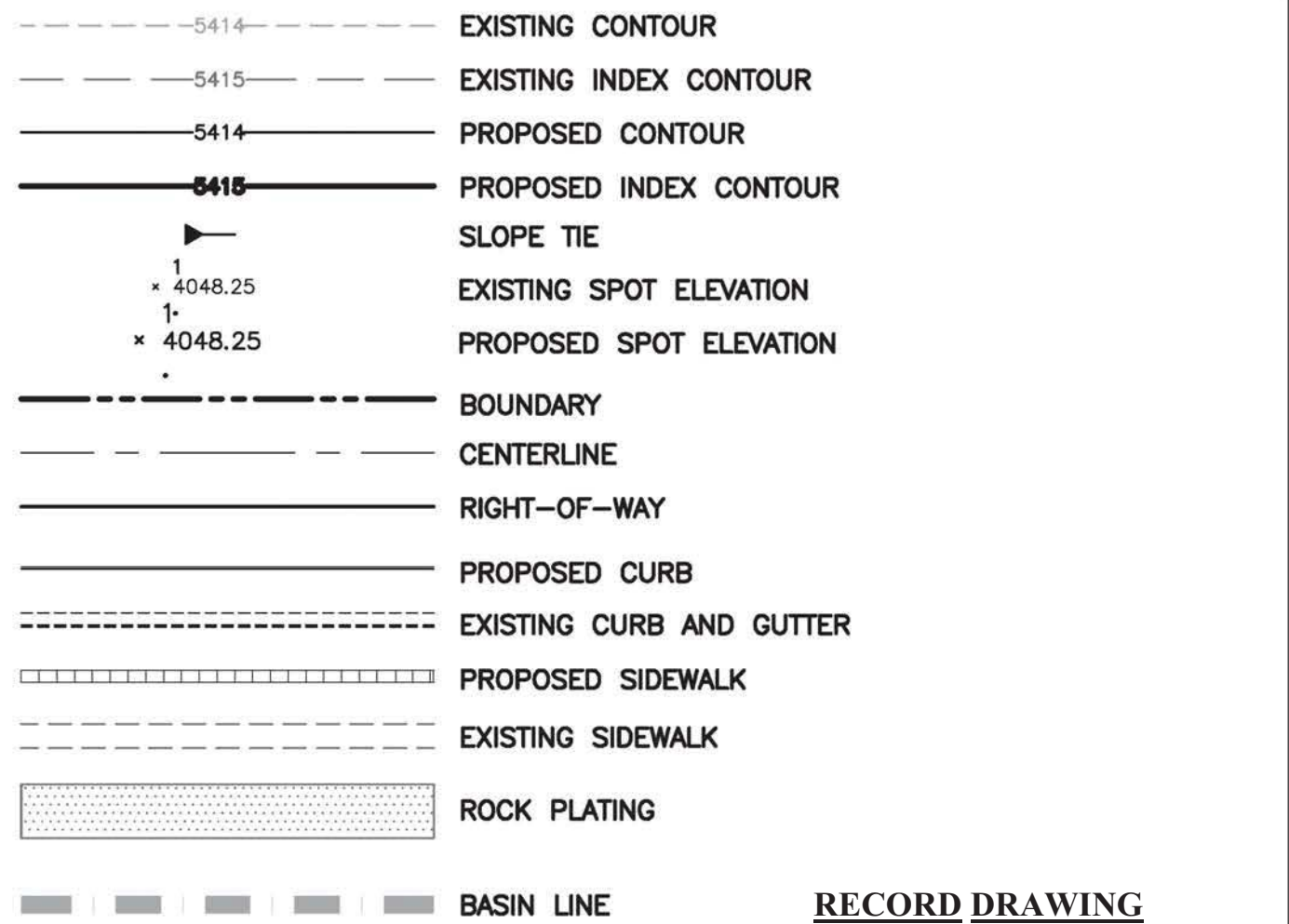


LEGAL DESCRIPTION:
TRACT 5 LAS LOMITAS BUSINESS PARK

NOTES:

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE NOTED.
- ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- ALL NEW PAVING SHALL BE 6" PCC OVER 8" SUBGRADE PREPARATION IN CONFORMANCE TO ACI 330R-08. UNLESS OTHERWISE NOTED.
- ANY CURBS OR PAVEMENT NEGATIVELY IMPACTED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
- ALL SITE WORK SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARDS FOR PUBLIC WORKS CONSTRUCTION EDITION 9

LEGEND



RECORD DRAWING

I DAVID SOULE, NMPE 14522, OF THE FIRM RIO GRANDE ENGINEERING HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFRASTRUCTURE INSTALLED AS A PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE CITY. AND ABCWU ENGINEER AND THAT THE ORIGINAL DESIGN INTENT HAS BEEN MET, EXCEPT AS NOTED BY ME OR PERSONNEL UNDER MY DIRECTION AND SURVEY INFORMATION PROVIDED BY DAVID VIGIL NMPLS 8911



SURVEYORS CERTIFICATION

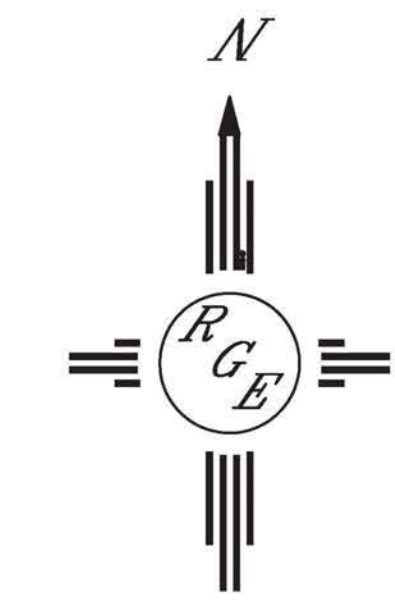
I, David R. Vigil, New Mexico Professional Surveyor Number 8911, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.



David R. Vigil
NMPS No. 8911
August 18, 2020

INSTALL MITERED END
SECTION AT TOE OF
SLOPE. INSTALL 8"x10"
X 12" WIRE ENCLOSED
RIP RAP FLUSH WITH
POND BOTTOM. USE
6" FRACTURED BASALT
18 CLASS III RCP INV OUT=5007.00

FOR REFERENCE ONLY



GRAPHIC SCALE

SCALE: 1"=20'



- ===== EXISTING CURB & GUTTER

===== PROPOSED CURB & GUTTER

----- LANDSCAPE SWALE-SEE DETAIL THIS SHEET

----- BOUNDARY LINE

----- EASEMENT

PROPOSED SIDEWALK 2.00% CROSS SLOPE MAX
REMOVE EXISTING CURB AND GUTTER TO NEXT CLOSEST JOINT

ADA PATH 2.00% CROSS SLOPE MAX.

PROPOSED SPOT ELEVATION

x 5200

CONTRACTOR SHALL REMOVE AND REPLACE PAVING PER COA
STD DWG #2465 (LOCAL). CONTRACTOR SHALL REMOVE AND REPLACE STD C&G
PER COA STD DWG 2415A. CONTRACTOR SHALL REMOVE AND REPLACE SW
PER COA STD DWG 2430--REMOVE TO NEAREST JOINT, MATCH FL ELEVATIONS

RECORD DRAWING



CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE: **7901 LAS LOMITAS**
MASTER PAVING PLAN

DESIGN REVIEW COMMITTEE
Digitally signed by Design Review Committee, cn=Design Review Committee, ou=CAB Planning, ou=Design Review and Construction, email=jroeder@cab.cu.us
Date: 2020.05.05 11:06:00

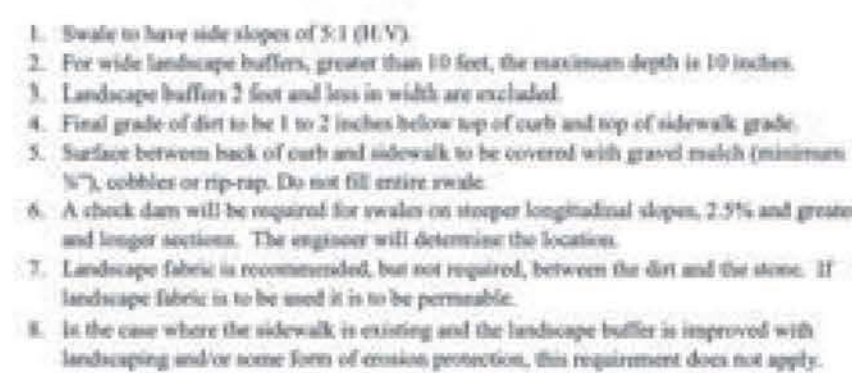
CITY ENGINEER APPROVAL
Digitally signed by
City Engineer
DN: cn=for City
Engineer, o=CAB
Planning, ou=Pla
Development Ser
email=jroeder@ci
v, c=US
Date: 2020.05.05
11:10:24 -06'00'

CITY PROJECT NO.

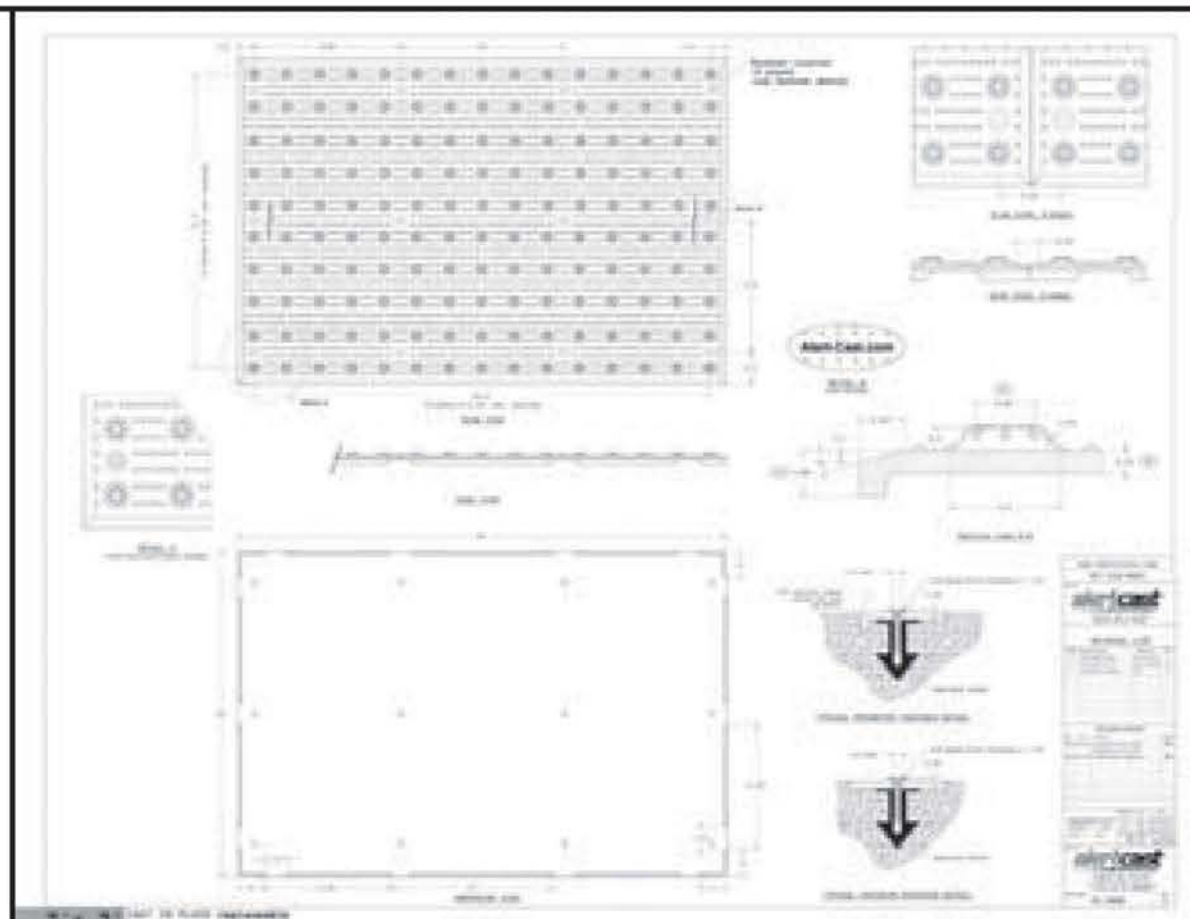
693583	ZONE MAP NO. D-16-+Z
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MO./DAY/YR.	MO./DAY/YR.

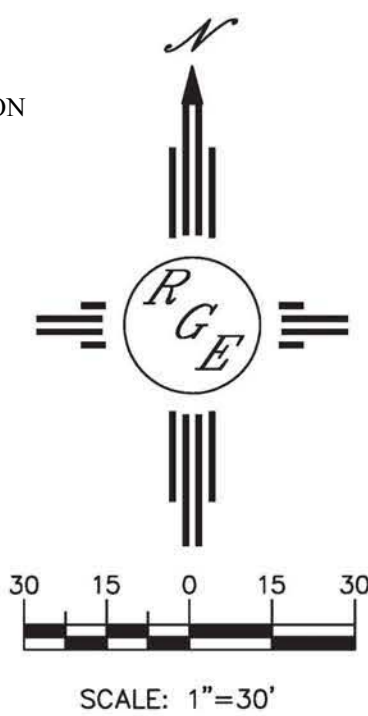
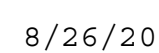
SHEET	OF
4	6



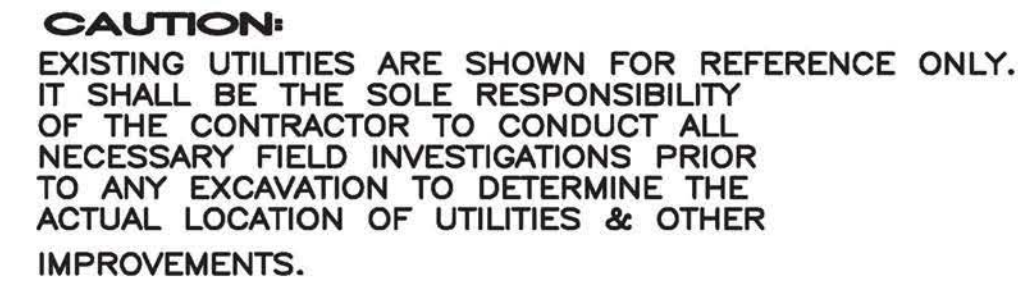
LANDSCAPE SWALE DETAIL



I, DAVID SOULE, NMPE 14322, OF THE FIRM RIO GRANDE ENGINEERING, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFRASTRUCTURE INSTALLED AS A PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE CITY, AND ABCWUA ENGINEER AND THAT THE ORIGINAL DESIGN INTENT HAS BEEN MET, EXCEPT AS NOTED BY ME OR PERSONNEL UNDER MY DIRECTION AND SURVEY INFORMATION PROVIDED BY DAVID VIGTL NMPLS 8911



SCALE: 1"=30'



SURVEYORS CERTIFICATION

I, David R. Vigil, New Mexico Professional Surveyor Number 8911, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.



David R. Vigil
NMPS No. 8911
August 18, 2020

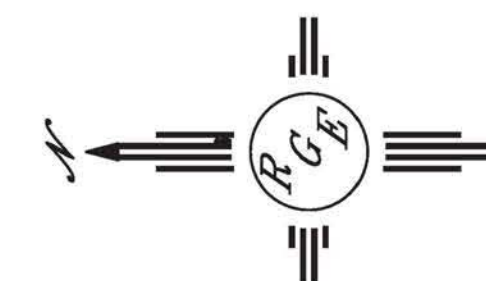
I DAVID SOULE, NMPE 14522, OF THE FIRM RIO GRANDE ENGINEERING, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFRASTRUCTURE INSTALLED AS A PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE CITY, AND ABCWA ENGINEER AND THAT THE ORIGINAL DESIGN INTENT HAS BEEN MET, EXCEPT AS NOTED BY ME OR PERSONNEL UNDER MY DIRECTION AND SURVEY INFORMATION PROVIDED BY DAVID VIGIL NMPLS 8911



8/26/20

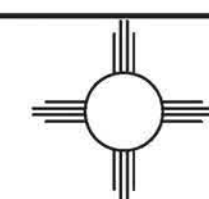


3/15/20



RECORD DRAWING

SCALE: HORIZ. 1"=20'
VERT. 1"= 2'



Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

ABCWUA
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE: **7901 LAS LOMITAS**
STORM DRAIN CONNECTION PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Digitally signed by for City Engineer DN: cn=City Engineer, ou=CAD Planning, ou=Planning Development Services, email=jpodeir@cad.gov, c=US Date: 2020.05.13 11:3:49 -0800	MO./DAY/YR.	MO./DAY/YR.
Design Review Committee	for City Engineer			
Digitally signed by Design Review Committee DN: cn=Design Review Committee, ou=CAD Planning, ou=Planning Development Services, email=jpodeir@cad.gov, c=US Date: 2020.05.13 11:3:49 -0800				
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF	
69.3583	D-16-17	6	6	