

LA VIDA LLENA UTILITIES

CITY OF ALBUQUERQUE, IMPROVEMENTS FOR
UTILITIES, AT 10501 LAGRIMA DE ORO ROAD NE.
DRB Project Number #2019-002114 (1003807)

INDEX TO DRAWINGS

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Close Out Certification (PWO 706882)

David A. Aube, NADPE 14221, of the firm The Hartman & Majewski Design Group, Inc. hereby certifies that this project is in substantial compliance with and in accordance with the design intent of the Public Work Order #16374. The PWO project # is 708882 and was dated 10-9-2019. The record information that has been edited onto the original design documents by Brian Martinez with Cartesian surveys NADPS # 16374 on 11-10-2021. I further certify that I have personally visited the project site on October 7, 2021, and have determined visual inspection that the actual site conditions shown on the plans are true and correct to the best of my knowledge and belief. This certification is submitted in support a request for acceptance of the ABCWUA, as well as closeout of Public Work Order Project.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the utility aspects of this project. Those relying on the record documents are advised to obtain independent verification of its accuracy before using it for any other purpose.

SURVEYOR'S CERTIFICATION

I, BRIAN J. MARTINEZ, A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS WAS ADDED BY ME OR UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. CARTESIAN SURVEYS, INC. IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.

B. J. M. 11/10/21

APPROVED RECORD DRAWINGS	
City Inspector	<i>Arlene Sandoval</i>
Contractor	<i>Bradbury Stamm</i>
Construction Engineer	<i>David Bishop</i>
Date	<i>11/21/2023</i>

GENERAL NOTES

- ALL WORK DONE UNDER THESE PLANS TO BE FORMED, 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 MOST RECENT UPDATE (#8) AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
2. ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY.
3. 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.
4. CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION. 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.
5. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART F.
6. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
7. CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION (IF REQUIRED BY CITY OF ALBUQUERQUE PUBLIC WORKS).
8. PERMIT REQUESTS MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER PROJECTS IN THE AREA.
9. 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. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. 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 COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO STANDARD SPECIFICATIONS SECTION 4.4.
10. 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 DESIGNED 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://www.abqwa.org/Water_Shut-Off_and_Turn-On_Procedures.aspx.
11. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF STANDARD SPECIFICATIONS.
12. CONTRACTOR SHALL DETERMINE IN ADVANCE OF HIS CONSTRUCTION IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, 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.
13. PMN WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PMN WHILE THE CONTRACTOR IS EXPOSING PMN'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.
14. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
15. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION 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.
16. EXISTING UTILITY LINE LOCATION ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND SUCH UTILITIES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.
17. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES. MAKES NO REPRESENTATION PERTAINING THEREOF, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREOF. CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES.
18. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWER LINE COSTS.
19. CONTRACTOR IS TO SUPPORT 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 OF EVERY 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.
20. 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 CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
21. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
22. ALL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 301.4 AND STANDARD DRAWING NUMBER 2465.
23. CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
24. REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
25. CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL IN AN ENVIRONMENTALLY ACCEPTABLE MANNER AT A LOCATION ACCEPTABLE TO THE PROJECT MANAGER. THERE WILL BE NO DIRECT COMPENSATION FOR THIS WORK.
26. CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC.
27. ANY WORK AFFECTING AN ARTERIAL ROADWAY MAY REQUIRE TWENTY-FOUR (24) HOURS OF CONSTRUCTION.
28. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
29. WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAW CUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE FIELD ENGINEER. REMOVAL OF BROKEN OR CRACKED PAVEMENT WILL ALSO BE REQUIRED.
30. REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK SHALL BE TO THE NEAREST JOINT.
31. AT HIS OWN EXPENSE, CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, SIGNAGE, HANDCAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER STANDARD SPECIFICATIONS.
32. ALL STREET STRIPING, ALTERED OR DESTROYED, SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
33. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
34. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #8.
35. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.
36. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGGING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY AND ABQWA.
37. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR IMMEDIATELY AND WITHOUT DELAY AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
38. MAINTAIN EXISTING ACCESS FOR ALL BUSINESSES AND PRIVATE PROPERTY DURING THE COURSE OF CONSTRUCTION, FOR BOTH VEHICLES AND PEDESTRIANS, INCLUDING ADA ACCESS.
39. CONTRACTOR TO TEST SUBGRADE R-WALVE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-WALVE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-WALVE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.

VICINITY MAP
ZONE ATLAS F-21-Z

COA/PNM STREET LIGHT COORDINATION
CONTACT:
MARTIN CARRASCO
COA TRAFFIC ENGINEERING DIVISION
(505) 857-8888

dg THE HARTMAN + MAJEWSKI
DESIGN GROUP
120 VASSAR DRIVE SE SUITE 100
ALBUQUERQUE, NEW MEXICO 87105
PHONE: 505.241.1610 FAX: 505.242.5000

						PROJECT : 838-247-0188 FAX : 888-747-0881	
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEER'S SEAL		APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION		
		DRG CHAIRMAN	<i>Amgen/ide</i>	10/22/19	 12/31/19		
		TRANSPORTATION		10/15/19			
		WATER/WASTEWATER	<i>[Signature]</i>	10/22/19			
		HYDROLOGY	<i>Renee Brundt</i>	10/14/19			
		PARKS			CITY ENGINEER		
		CONSTR. MANAGER			DATE		
PROJECT NO.				706882		SHEET 1 OF 13	



DESIGN GROUP
Architects • Engineers • Interior Design
Planners • Urban Designers • Landscape
120 Vossler Drive, Suite 100
Albuquerque, New Mexico 87105
505.242.6880 • 505.242.6881

CONSULTANT

STAMP



PROJECT NAME

**LA VIDA
LLENA
MASTER
PHASE 1-3**

**HAVERLAND CARTER
LIFESTYLE GROUP**

REVISIONS		
No.	Description	Date

SHEET TITLE

**EROSION AND
SEDIMENT
CONTROL PLAN**

SHEET NUMBER

ESC 101

**EROSION AND SEDIMENT CONTROL PLAN
(ESC PLAN)**

TOTAL SITE ACRES 19.4 ACRES
TOTAL DISTURBED AREA 6.6 ACRES
SEE THIS SHEET FOR PROJECT PHASING, BMP
LOCATIONS / TYPE. SEE SHEETS ESC 102 - ESC 109 FOR
DEMOLITION, TOPOGRAPHY / COUTOUR DETAILS AND
ESC 110 FOR BMP DETAILS WITH INSTALLATION,
INSPECTION AND MAINTENANCE REQUIREMENTS.
REFER TO SITE SWPPP FOR ADDITIONAL COMPLIANCE
REQUIREMENTS

ESC LEGEND

- LIMITS OF DISTURBANCE
- PERIMETER BMP / FILTER SOCK
- GRAVEL / PAVEMENT SOCK
- INLET / OUTLET PROTECTION
- SANITARY TOILET (TBD)
- WASTE CONTAINER (TBD)
- CONCRETE WASHOUT (CWA) (TBD)
- FLOW ARROW
- SEDIMENT TRAP

**EROSION CONTROL/ENVIRONMENTAL PROTECTION/STORM
WATER POLLUTION PREVENTION PLAN WATER AND
WASTEWATER GENERAL NOTES**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULFILLING ALL NECESSARY
NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS INCLUDING, BUT NOT
LIMITED TO, OBTAINING AN NPDES PERMIT PRIOR TO
CONSTRUCTION. FILLING OUT THE NOTICE OF INTENT AND APPLICATION, AND
FILING OUT THE NOTICE OF TERMINATION (NOTI) APPLICATION. THE CONTRACTOR
SHALL ALSO BE RESPONSIBLE FOR THE IMPLEMENTATION OF AND INSPECTION
REPORTS FOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL
SUBMIT THE SWPPP WITH THE PROPOSED CONSTRUCTION
STAKING AREA AND TEMPORARY SANITARY FACILITIES CLEARLY SHOWN. ANY CHECK DAMS, SILT PENS, OR
OTHER BEST MANAGEMENT PRACTICES (BMPs) THAT ARE REQUIRED IN THE APPROVED SWPPP SHALL
BE INCLUDED IN AND ARE INCIDENTAL TO THE SWPPP PERMIT.
2. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED SWPPP ON-SITE AT ALL TIMES, AND
SHALL COMPLY WITH THE REQUIREMENTS INDICATED ON THAT PLAN.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION
CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR
EROSION CONTROL PERMITS FROM THE REGULATORY
AGENCIES.
4. THE CONTRACTOR SHALL PROMPTLY REMOVE ANY MATERIAL EXCAVATED
WITHIN THE PUBLIC RIGHT-OF-WAY OR INSTALL BMPs IDENTIFIED IN THE APPROVED
SWPPP TO PREVENT DISCHARGE OF EXCAVATED MATERIAL WITHIN THE PUBLIC
RIGHT-OF-WAY DURING A RAIN OR WIND EVENT.
5. THE CONTRACTOR SHALL IMPLEMENT THE APPROVED SWPPP AND ENSURE THAT NO SOIL ERODES
FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
6. THE CONTRACTOR SHALL MINIMIZE EROSION OF TEMPORARY OR PERMANENT DIRT SWALES BY
INSTALLING BMPs IDENTIFIED IN THE APPROVED SWPPP IN THE SWALES PERPENDICULAR TO THE
DIRECTION OF FLOW, AND AT INTERVALS AS SPECIFIED IN THE SWPPP.
7. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT
ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS
REQUIRED. WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED
INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR.
ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR AN IMPERVIOUS
SURFACE SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES
CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 14 DAYS, ESTABLISHMENT MEASURES
MUST BE INITIATED, UNLESS INDICATED OTHERWISE ON THESE PLANS OR ON THE LANDSCAPING PLAN.
NATIVE GRASS SEEDING SHALL BE SEEDING PER SECTION 1012.1 OF THE NEW MEXICO STANDARD
SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, APPENDIX CHARTER, LATEST EDITION.
8. ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNATED FOR REMOVAL
CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRE, ETC.) CARBON
GRISSING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF
OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO
OBTAIN PERMITS REQUIRED TO Haul OR DISPOSE OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S
RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT
REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES, AND ARCHAEOLOGICAL
RESOURCES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF
HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE.
HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL, FUEL, MOTOR OIL, SOLVENTS,
CHEMICALS, PAINTS, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE
CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE
NEW MEXICO ENVIRONMENTAL DEPARTMENT EMERGENCY RESPONSE TEAM AT
505-427-4329.
10. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND
UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND
PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE
PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.
11. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION
NOISE AND HOURS OF OPERATION.
12. WHERE STORM INLETS ARE SUSCEPTIBLE TO INFLOW OF SILT OR DEBRIS FROM CONSTRUCTION
ACTIVITIES, PROTECTION SHALL BE PROVIDED ON THEIR UPSTREAM SIDE UTILIZING BMPs IDENTIFIED IN
THE APPROVED SWPPP.

KEYED NOTES

1. EXISTING BUILDING TO REMAIN
2. EXISTING VEHICLE GATE
3. NEW PARKING AREA AND DRIVE LANE
4. POST INDICATOR VALVE
5. FIRE DEPARTMENT CONNECTION
6. KNOX BOX
7. EXISTING FIRE HYDRANT
8. RELOCATED FIRE HYDRANT
9. EXISTING FIRE RISER ROOM
10. NEW FIRE HYDRANT
11. EXISTING FDG TO BE RELOCATED TO REMOTE TYPE
12. NEW FIRE RISER ROOM FOR ASSISTED LIVING
13. NEW FIRE RISER ROOM FOR INDEPENDENT LIVING
14. THIS PORTION OF THE BUILDING FDG TO BE CONNECTED TO EXISTING
FIRE SUPPRESSION SYSTEM
15. NEW "FIRE LANE NO PARKING" WHITE LETTER OVER RED
BACKGROUND ON CURB
16. 6" PUBLIC WATER LINE
17. 6" FIRE HYDRANT SUPPLY WATERLINE
18. # PERSONNEL GATE
19. NEW LOCATION OF REMOTE FDG FOR EXISTING FACILITY



ZONE ATLAS PAGE F-21
NOT TO SCALE



888-713-6120
PO BOX 400
LOS LUNAS NM 87031
BASED ON PLANS BY OTHERS
DATE: 3-1-18

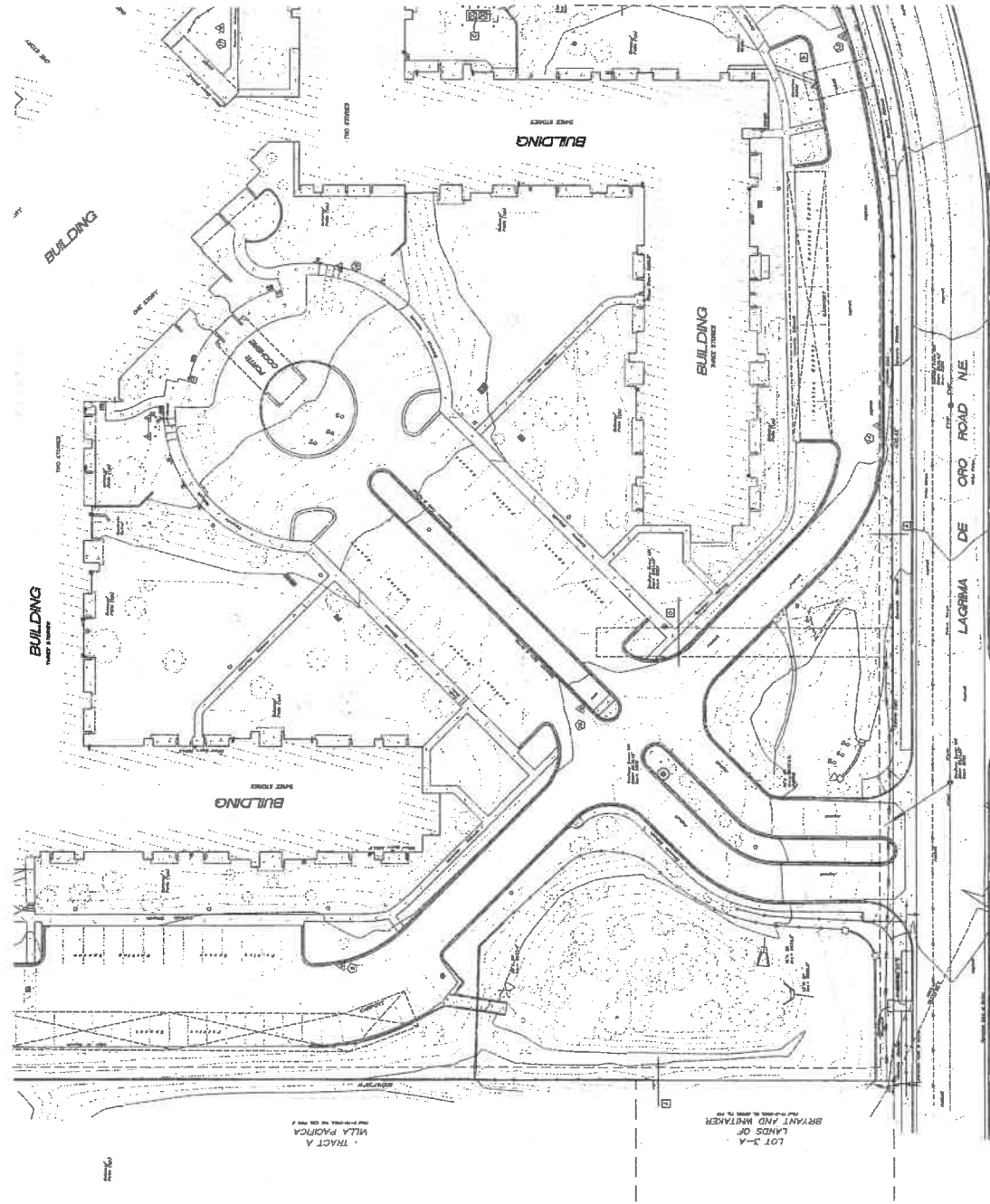
POSTED: 11/15/2018 10:00 AM
PROJECT: LA VIDA LLENA MASTER PHASE 1-3
DRAWING: ESC 101
DATE: 11/15/2018

TOPOGRAPHIC AND BOUNDARY SURVEY OF
AMENDED PLAT
LAND IN
SECTION 33, T11N, R4E, N1/4PM.
LA VIDA LLENA
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
February, 2019

[illegible][illegible]

FLOOD-DAMAGE DETECTION

SHEET 1 OF 4
SURVOTEK, INC.
FORM 3000 - 10/2000



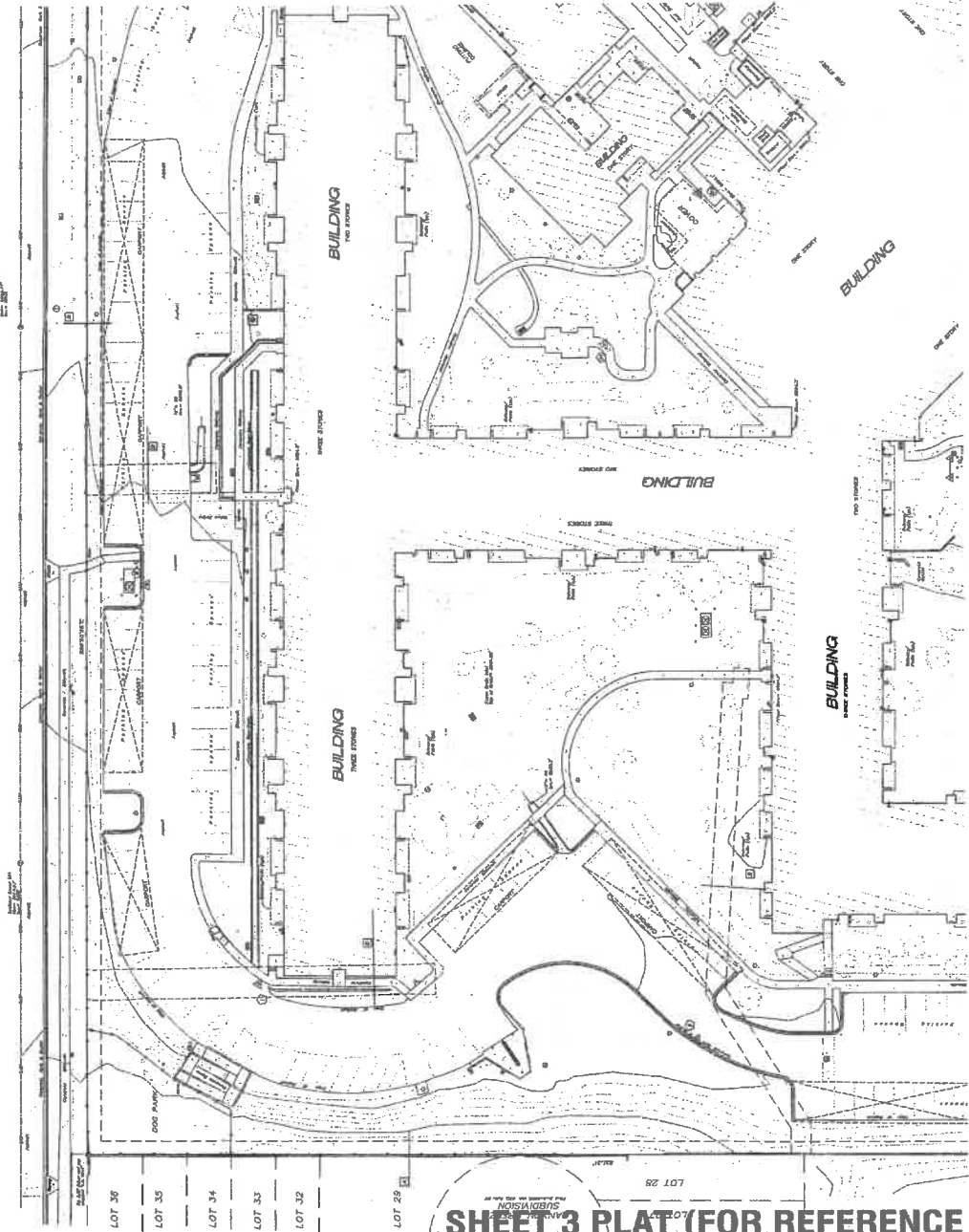
LOT A
AMENDED FLAT
ALBUQUERQUE PUBLIC SCHOOL TRACT NO. 34
Filed for Record, Vol. 40, Page 175

TOPOGRAPHIC AND BOUNDARY SURVEY OF
AMENDED PLAT
LAND IN
SECTION 33, T11N, R4E, N4M.P.M.
LA VIDA LLENA
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JANUARY, 2019

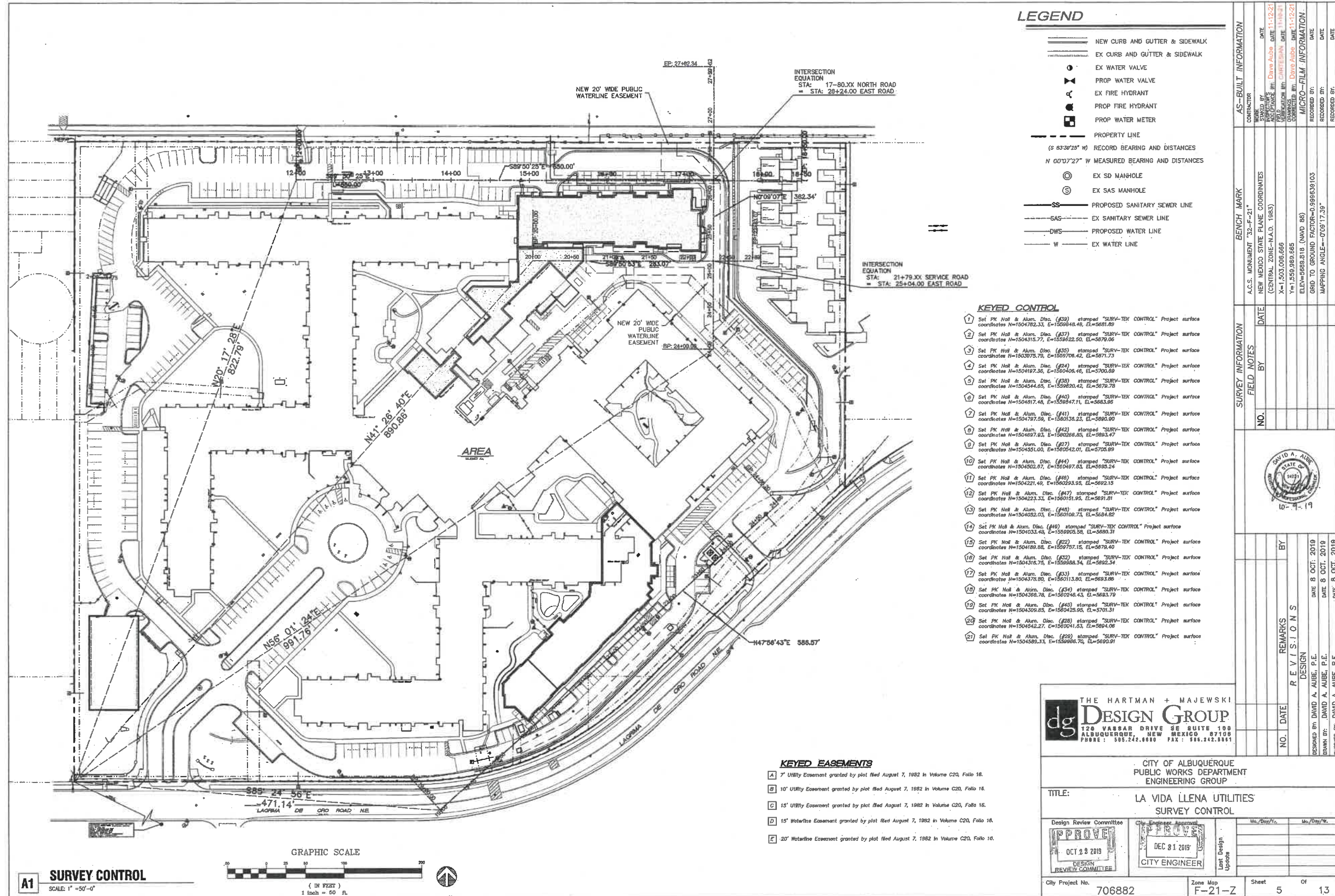
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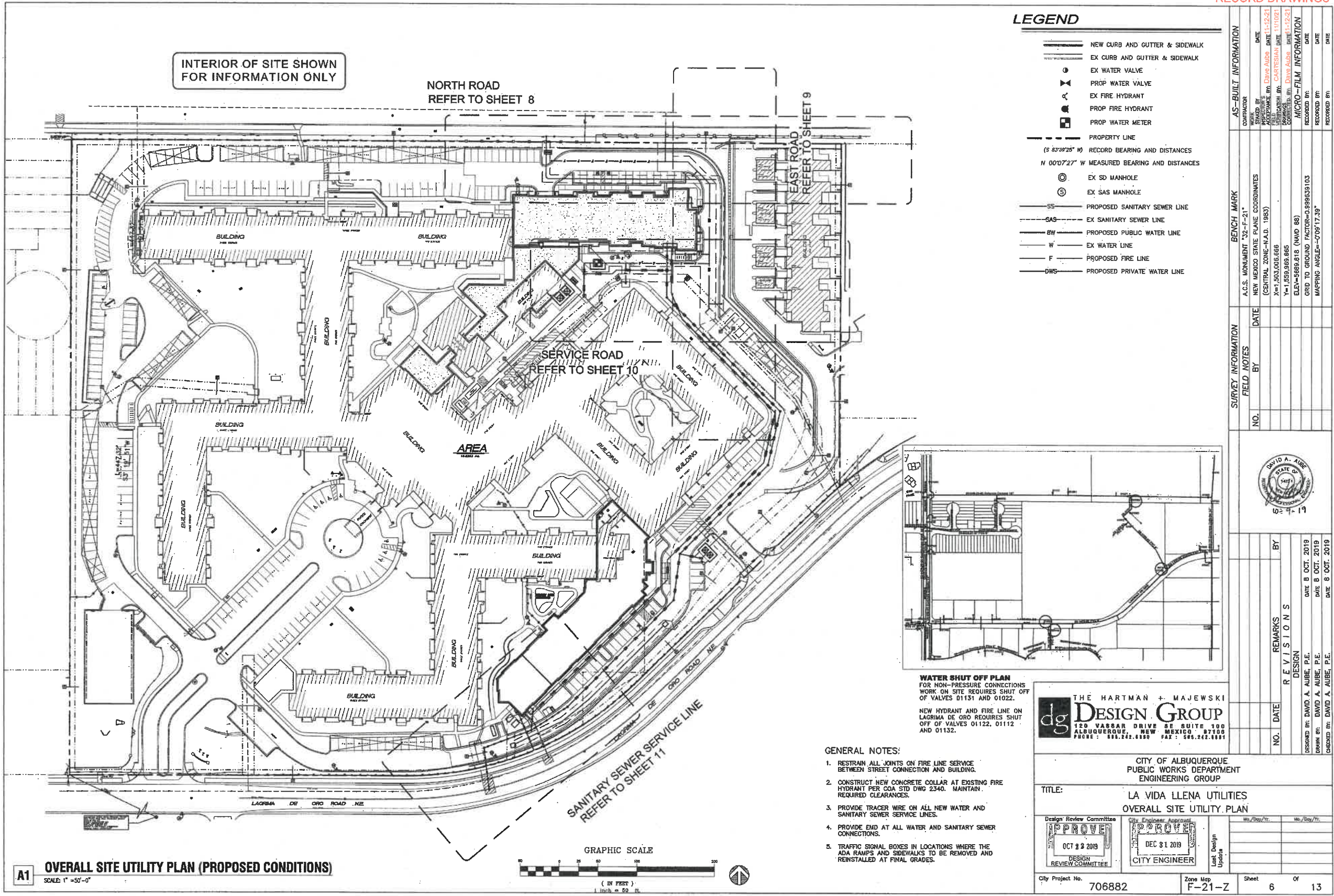
UTILITY DISCOUNT

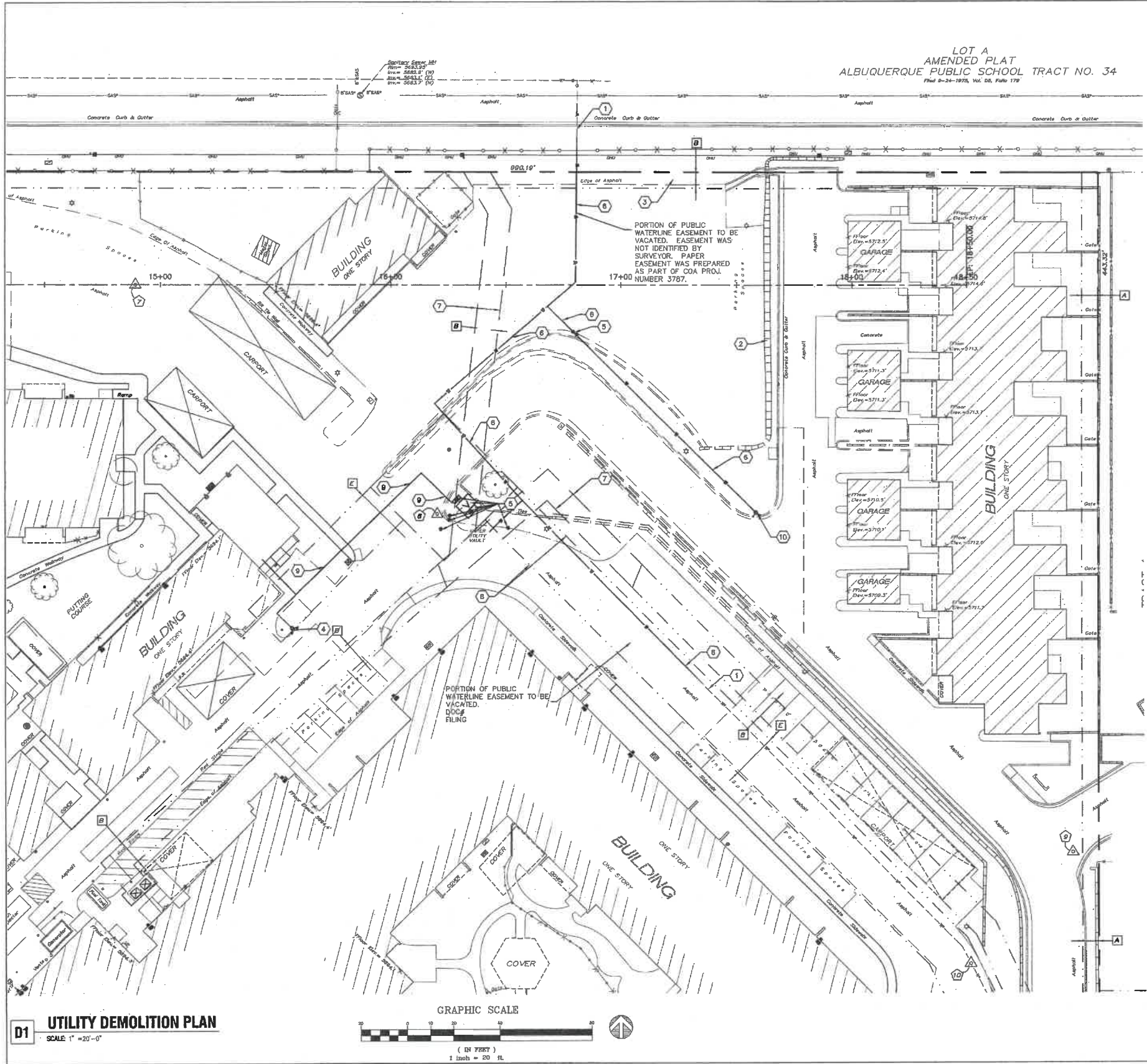
SHEET 2 OF 4
SURVOTEK, INC.



SHEET 3 PLAT (FOR REFERENCE ONLY)







LEGEND

- NEW CURB AND GUTTER & SIDEWALK
- EX CURB AND GUTTER & SIDEWALK
- EX WATER VALVE
- PROP WATER VALVE
- EX FIRE HYDRANT
- PROP FIRE HYDRANT
- PROP WATER METER
- PROPERTY LINE
- (S 83°39'28" W) RECORD BEARING AND DISTANCES
- N 00°07'27" W MEASURED BEARING AND DISTANCES
- EX SD MANHOLE
- EX SAS MANHOLE
- PROPOSED SANITARY SEWER LINE
- EX SANITARY SEWER LINE
- PROPOSED WATER LINE
- EX WATER LINE
- REMOVE EX WATER LINE

DEMOLITION PLAN GENERAL NOTES

- SEE SHEET 1 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINE TYPE LEGEND THAT APPLY TO ALL SHEETS.
- SAWCUT, REMOVE, AND DISPOSE OF ASPHALT PAVEMENT SUCH THAT A 1' WIDE STRIP OF ASPHALT PAVEMENT IS REMOVED AND REPLACED IN FRONT OF PROPOSED CONCRETE GUTTERS.
- SEE SHEET 5, SURVEY CONTROL FOR DESCRIPTION OF EXISTING UTILITY EASEMENTS
- SURFACE TREATMENTS SUCH AS CURB AND GUTTER AND ASPHALT TO BE REMOVED AND REPLACED UNDER BUILDING PERMIT, CONCURRENT TO THIS WORK.

DEMOLITION PLAN KEYED NOTES

- EXISTING PUBLIC WATERLINE TO REMAIN
- EXISTING KEYSTONE BLOCK WALL TO REMAIN
- EXISTING 7" PUBLIC UTILITY EASEMENT
- REMOVE AND DISPOSE OF EXISTING FIRE HYDRANT AND BOLLARDS.
- REMOVE AND SALVAGE EXISTING DOMESTIC AND FIRE SUPPRESSION BACK FLOW PREVENTORS AND INSULATED ENCLOSURES. REMOVE AND DISPOSE OF EXISTING CONCRETE FOUNDATIONS. REMOVE AND DISPOSE OF EXISTING 6" WATER METER VAULT (COORDINATE REMOVAL OF VAULT WITH SCOTT SCHNEIDER WITH ABOVE). REMOVE EXISTING GATE VALVES. REMOVE AND DISPOSE OF EXISTING PUBLIC WATERLINE.
- PUBLIC UTILITY EASEMENT TO BE VACATED
- PUBLIC WATERLINE EASEMENT TO BE VACATED
- REMOVE AND DISPOSE OF EXISTING PRIVATE WATERLINES, VALVES, ETC.
- REMOVE AND DISPOSE OF EXISTING FIRE HYDRANT

THE HARTMAN + MAJEWSKI
Design Group
120 VASSAR DRIVE SE SUITE 100
ALBUQUERQUE, NEW MEXICO 87108
PHONE: 505.242.0066 FAX: 505.242.0055

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
LA VIDA LLENA UTILITIES
UTILITY DEMOLITION PLAN

Design Review Committee
APPROVED
OCT 2 2019
DESIGN REVIEW COMMITTEE

City Engineer Approval
APPROVED
DEC 3 1 2019
CITY ENGINEER

City Project No. 706882 Zone Map F-21-Z Sheet 7 Of 13

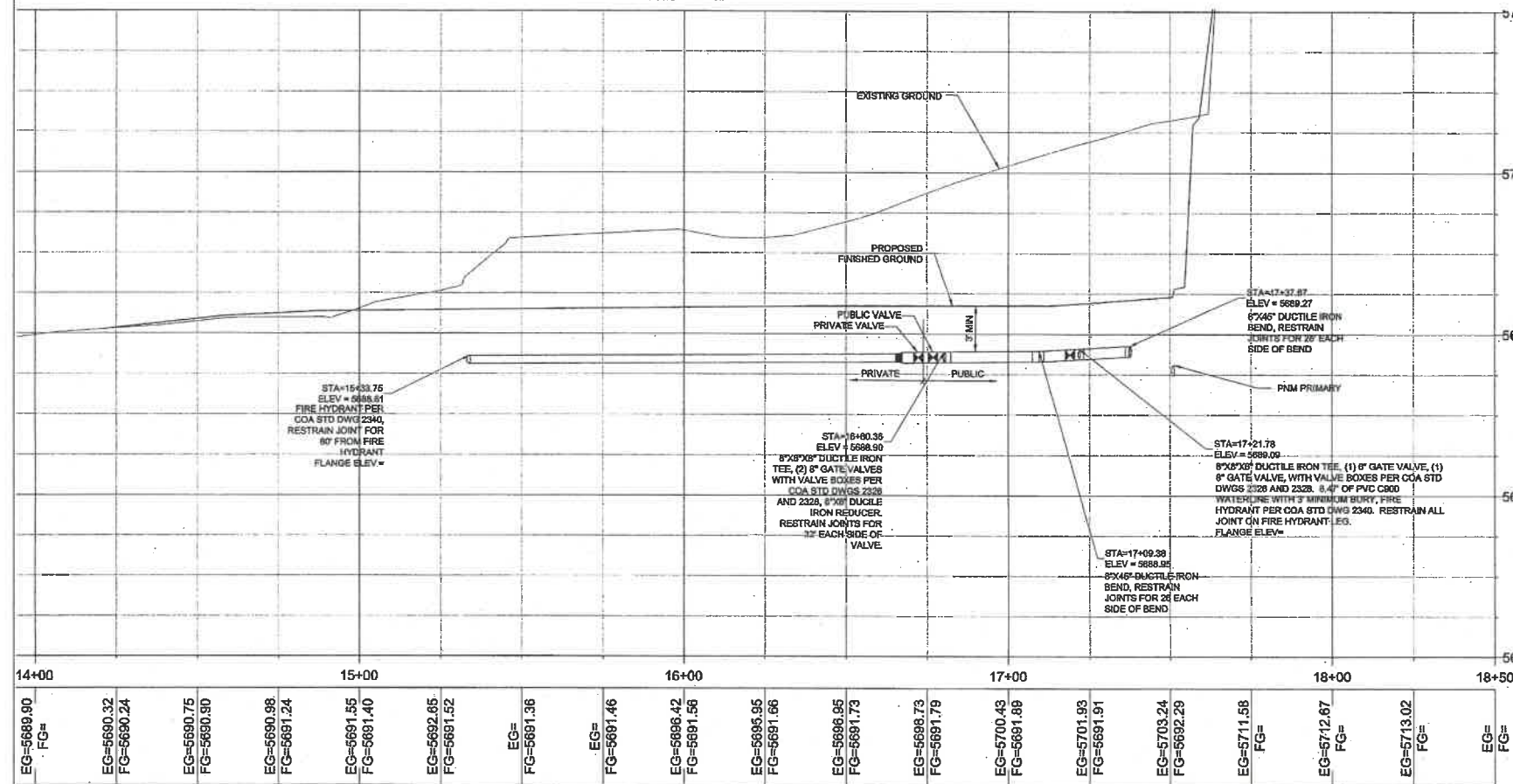
AS-BUILT INFORMATION	
CONTRACTOR	
DATE	

BENCH MARK	
AG.S. MONUMENT "32-F-21"	
NEW MEXICO STATE PLANE COORDINATES	
(CENTRAL ZONE-N.A.D. 1983)	
X=1,503,006.665	
Y=1,559,989.665	
ELEV=5689.818 (NAVD 83)	
GRID TO GROUND FACTOR=0.999639103	
MAPPING ANGLE=-0°01'17.39"	

SURVEY INFORMATION	
FIELD NOTES	
DATE	
BY	
NO.	



REVISIONS	
NO.	DATE
1	DATE 8 OCT. 2019
2	DATE 8 OCT. 2019
3	DATE 8 OCT. 2019
4	DATE 8 OCT. 2019
5	DATE 8 OCT. 2019
6	DATE 8 OCT. 2019
7	DATE 8 OCT. 2019
8	DATE 8 OCT. 2019
9	DATE 8 OCT. 2019
10	DATE 8 OCT. 2019



- I. SEE SHEET 1 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINETYPE LEGEND THAT APPLY TO ALL SHEETS.
- II. ALL NEW FIRE HYDRANTS ARE PRIVATE. PAINT BONNETS ORANGE.

LEGEND

-  NEW CURB AND GUTTER & SIDEWALK
 EX CURB AND GUTTER & SIDEWALK
 EX WATER VALVE
 PROP WATER VALVE
 EX FIRE HYDRANT
 PROP FIRE HYDRANT
 PROP WATER METER
 PROPERTY LINE

(S 83°39'28" W) RECORD BEARING AND DISTANCES

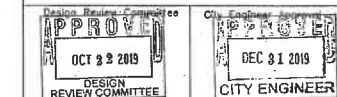
N 00°07'22" W MEASURED BEARING AND DISTANCES

 EX SD MANHOLE
 EX SAS MANHOLE
 SS PROPOSED SANITARY SEWER LINE
 SAS EX SANITARY SEWER LINE
 BW PROPOSED PUBLIC WATER LINE
 W EX WATER LINE
 F PROPOSED FIRE LINE
 DWS PROPOSED PRIVATE WATER LINE

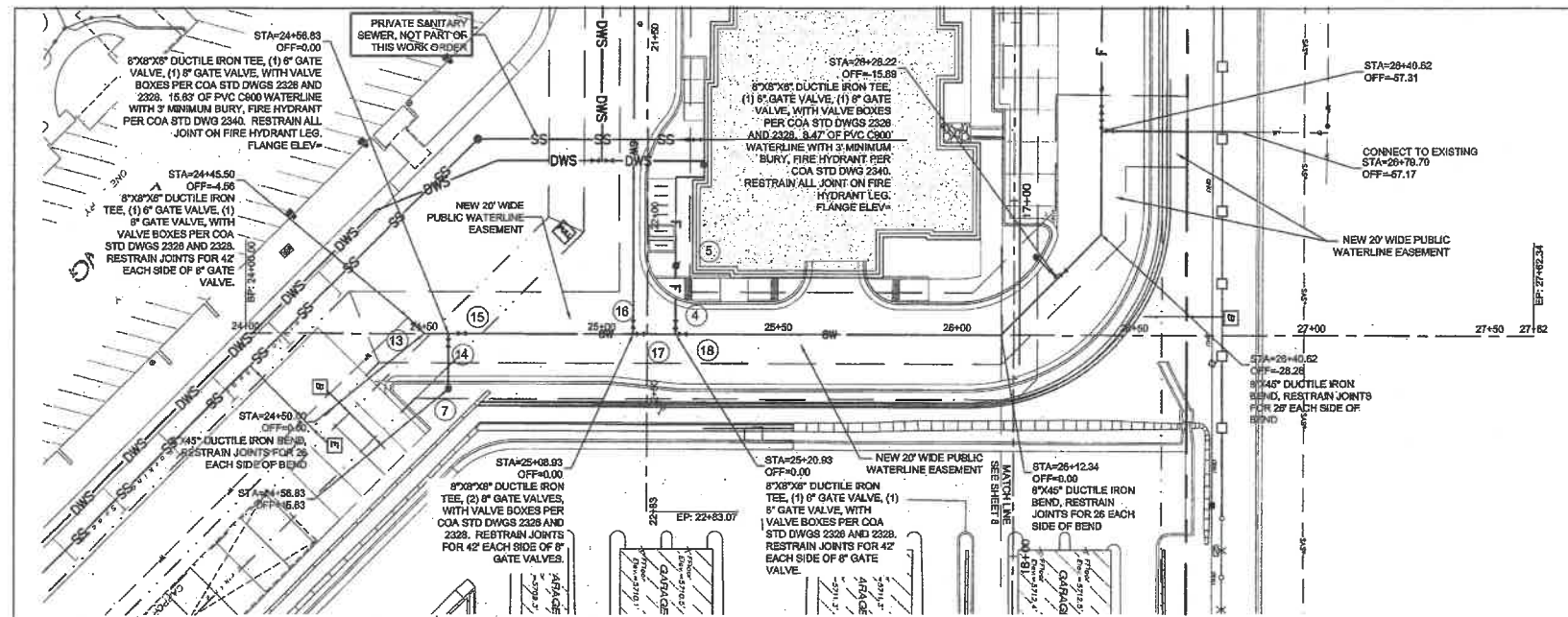
dg THE HARTMAN + MAJEWSKI
DESIGN GROUP
 120 VASSAR DRIVE SE SUITE 100
 ALBUQUERQUE, NEW MEXICO 87106
 PHONE: 800.242.6080 FAX: 505.242.6081

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

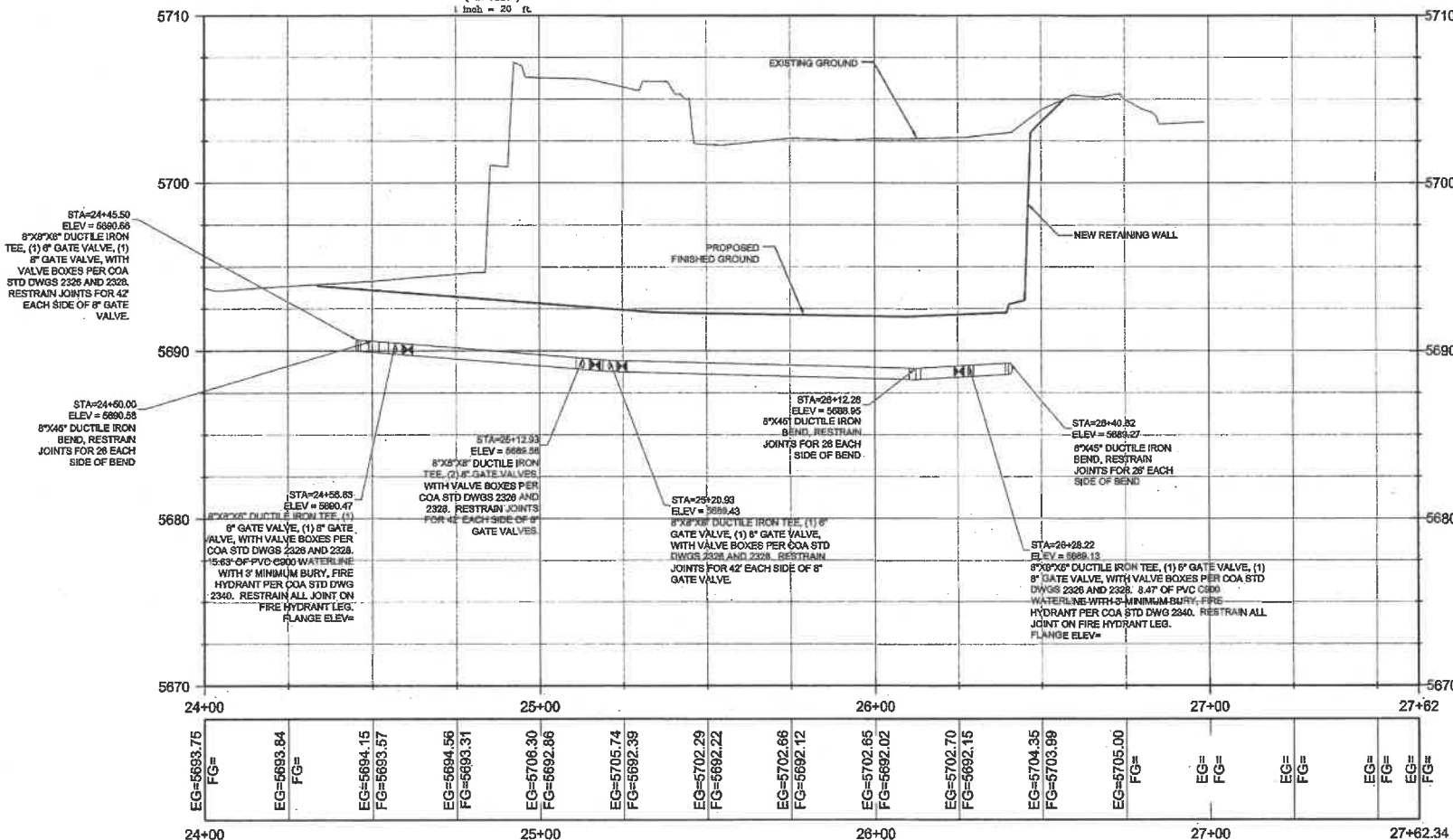
TITLE: LA VIDA LLENA UTILITIES
UTILITY PLAN AND PROFILE NORTH ROAD



City Project No.	706882	Zone Map	F-21-Z	Sheet	8	Of	13
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C1 SITE UTILITY PLAN
SCALE: 1"=40'-0"



A1 SITE UTILITY PROFILE
SCALE: 1"=40'-0" HORIZ, 1"=4'-0" VERT

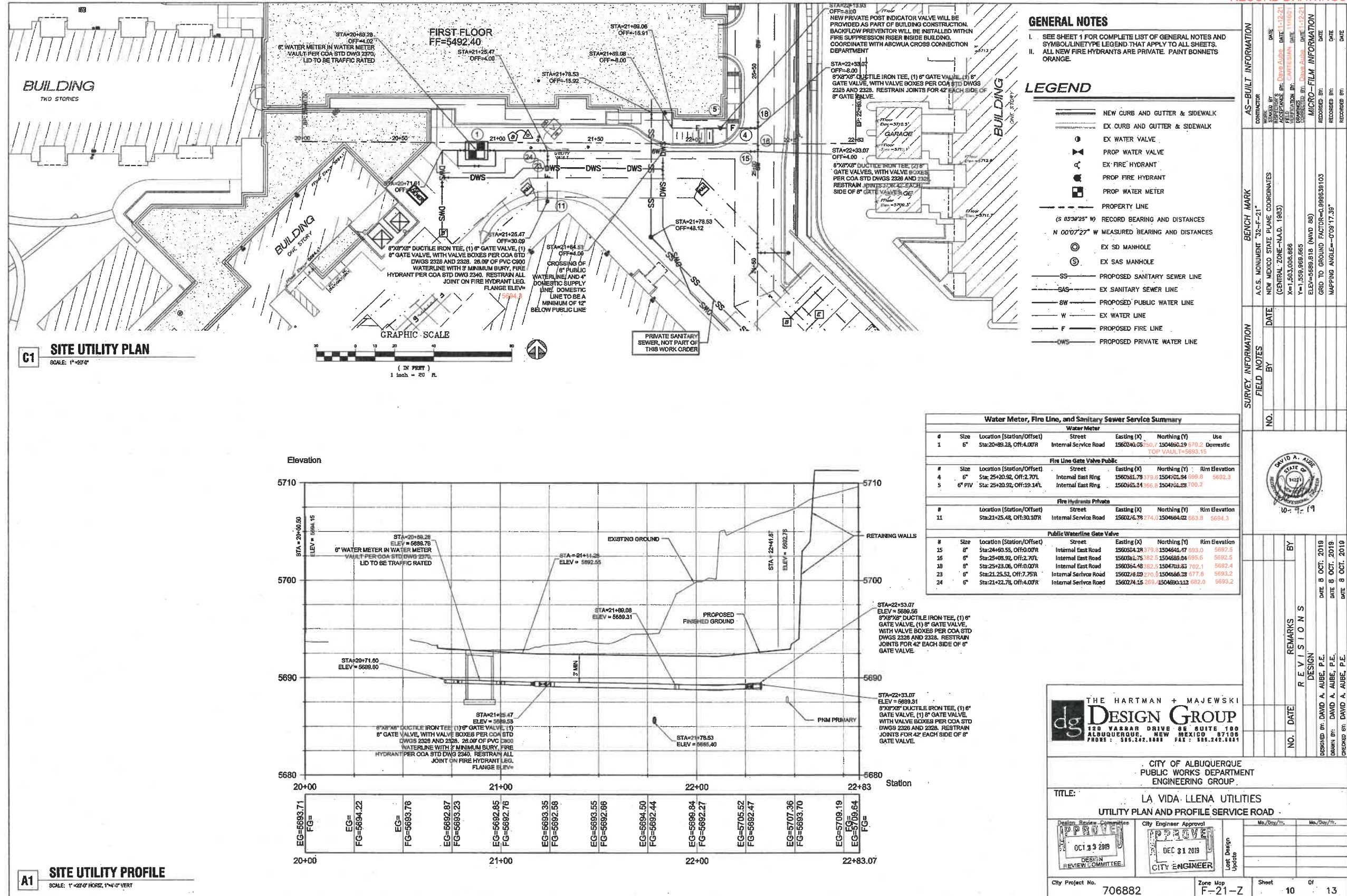
THE HARTMAN + MAJEWSKI
DESIGN GROUP
128 VASSAR DRIVE, SUITE 100
ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.242.1888 FAX: 505.242.8811

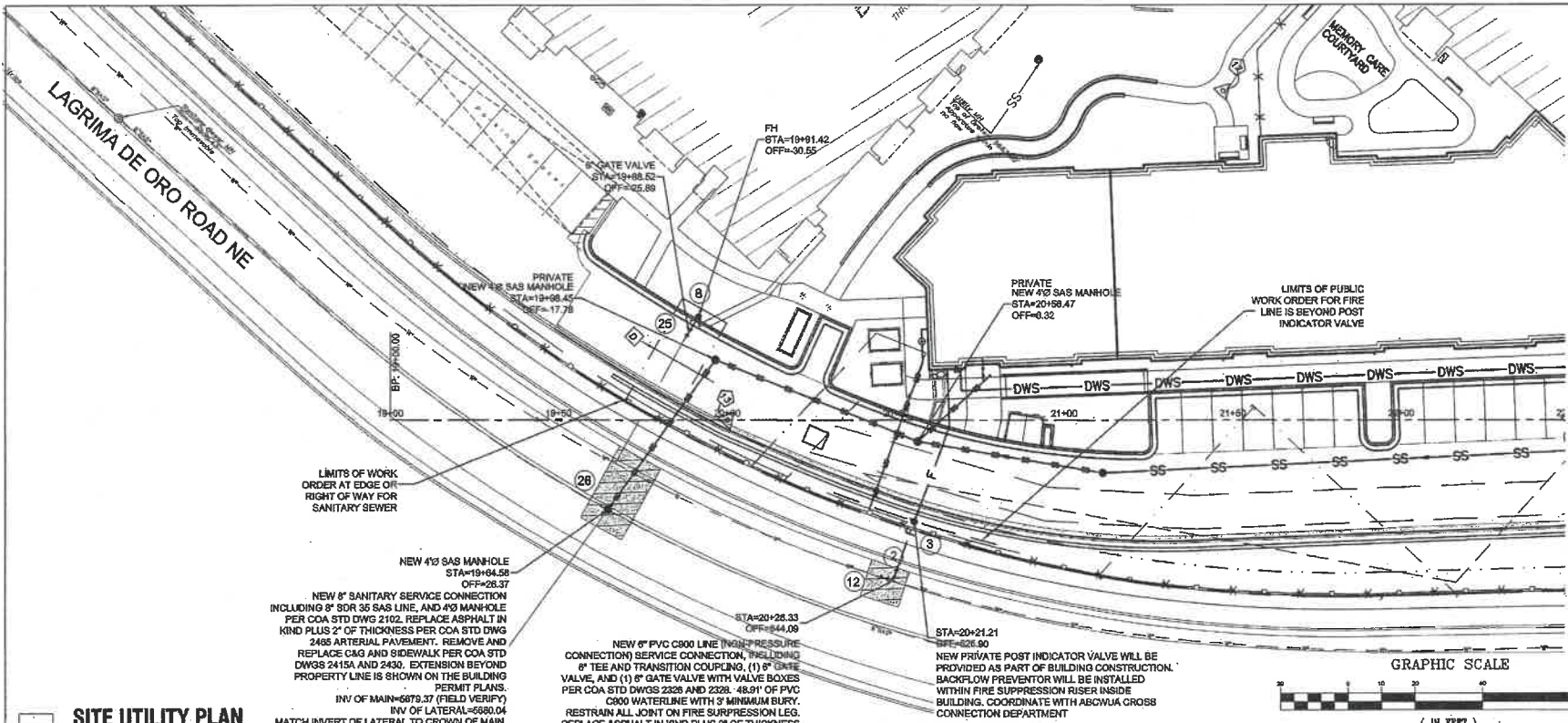
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LA VIDA LLENA UTILITIES
UTILITY PLAN AND PROFILE EAST ROAD

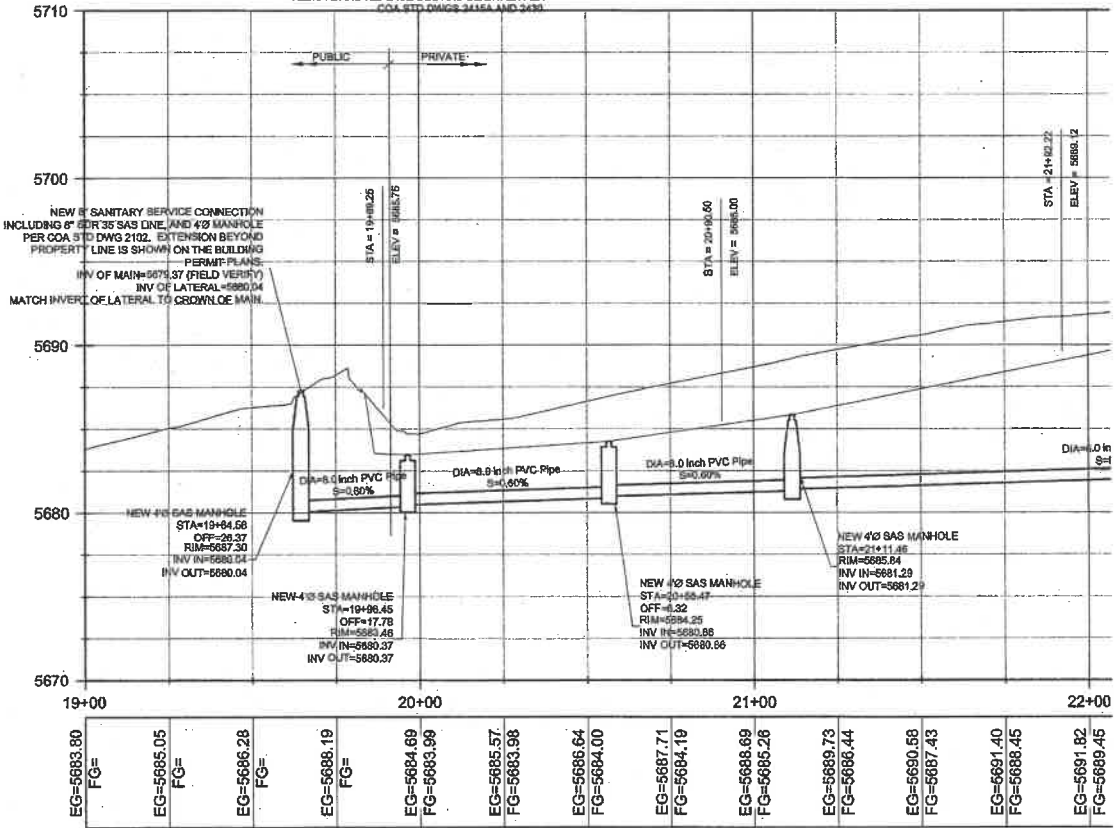
DESIGN REVIEW COMMITTEE	CITY ENGINEER	Mo./Day/Yr.	Mo./Day/Yr.
APPROVE OCT 23 2019	APPROVE DEC 8 2019		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		

City Project No. 706882 Zone Map F-21-Z Sheet 9 of 13





A1 SITE UTILITY PLAN
SCALE: 1"=20'-0"

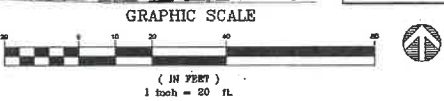


A1 SITE UTILITY PROFILE
SCALE: 1"=20'-0" HORIZ, 1"=4'-0" VERT

GENERAL NOTES

- SEE SHEET 1 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINE TYPE LEGEND THAT APPLY TO ALL SHEETS.
- ALL NEW FIRE HYDRANTS ARE PRIVATE. PAINT BONNETS ORANGE.

Water Meter, Fire Line, and Sanitary Sewer Service Summary						
Fire Line Gate Valve Public						
#	Size	Location (Station/Offset)	Street	Easting (X)	Northing (Y)	Rim Elevation
2	6"	Sta:20+49.84, Off: 45.44R	LaGrima de Oro	1560177.17	1504052.33	5691.7
3	6" PIV	Sta:20+55.52, Off: 30.05R	Internal South Ring	1560170.93	1504067.50	
Fire Hydrants Private						
#	Location (Station/Offset)	Street	Easting (X)	Northing (Y)	Rim Elevation	
7	Sta:24+56.62, Off: 25.63R	Internal East Ring	1560272.94	1504677.02	5693.4	TOP=5685.4
8			1560307.73	1504071.5		
Public Waterline Gate Valve						
#	Size	Location (Station/Offset)	Street	Easting (X)	Northing (Y)	Rim Elevation
12	8"	Sta:20+46.43, Off: 45.67R	LaGrima de Oro	1560173.02	1504049.11	5691.2
25	6"	Sta:19+88.51, Off: 25.91L	Internal South Road	156063.74	1504063.37	5683.5
Sanitary Sewer Service						
#	Size	Location (Station/Offset)	Street	Station at PL	Offset at PL	INV. at PL
26	8"	Sta:19+82.44, Off: 1.62R	LaGrima de Oro	1560207.9	1504038.95	5680.22
				1560103.4	1504008.6	



LEGEND

- NEW CURB AND GUTTER & SIDEWALK
- EX CURB AND GUTTER & SIDEWALK
- EX WATER VALVE
- PROP WATER VALVE
- EX FIRE HYDRANT
- PROP FIRE HYDRANT
- PROP WATER METER
- PROPERTY LINE
- (S 83°39'23" W) RECORD BEARING AND DISTANCES
- N 00°07'27" W MEASURED BEARING AND DISTANCES
- EX SD MANHOLE
- EX SAS MANHOLE
- PROPOSED SANITARY SEWER LINE
- EX SANITARY SEWER LINE
- PROPOSED PUBLIC WATER LINE
- EX WATER LINE
- PROPOSED FIRE LINE
- PROPOSED PRIVATE WATER LINE

THE HARTMAN + MAJEWSKI
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120 VASSAR DRIVE SE, SUITE 100
ALBUQUERQUE, NEW MEXICO 87106
PHONE: 505.242.6188 FAX: 505.242.6191

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **LA VIDA LLENA UTILITIES
SANITARY SEWER SERVICE LINE**

APPROVED
OCT 23 2019
DESIGN REVIEW COMMITTEE

APPROVED
DEC 9 2019
CITY ENGINEER

DESIGN
ENGINEER

CURRENTLY THE SITE CONTAINS MANY WELL LANDSCAPED DETENTION/RETENTION AREAS. RUNOFF FROM A MAJORITY OF THE ROOFS IS DIRECTED INTO SHALLOW DEPRESSIONS IN THE LANDSCAPING AREAS WITH CATCH BASINS AND DISCHARGE PIPES THAT RESTRICT THE RUNOFF RATES FROM THE DETENTION AREAS TOWARD THE FINAL OUTLET LOCATION ALONG LAGRIMA DE ORO ROAD NE AT THE SOUTHWEST CORNER OF THE SITE.

BASIN EX1 CONTAINS A LARGE PORTION OF THE WEST AND NORTH SIDES OF THE CAMPUS. TO REDUCE SURFACE FLOWS AN UNDERGROUND STORM WATER CONVEYANCE SYSTEM WAS CONSTRUCTED ALONG THE WESTERN SIDE OF THE SITE. ALL RUNOFF FROM THIS BASIN EVENTUALLY IS DETAINED IN POND #8 LOCATED AT THE SOUTH-WEST CORNER OF THE SITE. A 18" PIPE THEN DISCHARGES EXCESS RUNOFF INTO THE LAGUNA DE ORDENAMIENTO. THE PEAK RUNOFF FROM THIS SITE WAS COMPUTED TO BE 14.92 CFS BASED ON HYDROLOGIC AND PONDING VOLUME. THE OUTLET PIPE WAS ALSO ANALYZED AND CAN CONVEY 18.5 CFS UNDER INLET CULVERT CONDITIONS. THE 14.92 CFS PEAK ALLOWABLE DISCHARGE RATE WILL BE USED AS THE EXISTING ALLOWABLE DISCHARGE FROM THE SITE. A TABLE HAS BEEN PROVIDED ON SHEET CD OF ALL PONDS AND ROUTED PEAK OUTLET FLOWS.

BASIN EX2 AND EX3 ARE FIRST ROUTED THROUGH PONDING AREAS WITHIN THE LANDSCAPING AREAS, WITH OVERFLOW ENTERING THE ROADWAY IN BASIN EX1. BASIN EX4 IS THE SERVICE YARD WITH EXCESS RUNOFF ENTERING THE ROADWAY IN BASIN EX1.

BASIN EX5 AND EX6 ARE FIRST ROUTED THROUGH PONDING AREAS WITHIN THE LANDSCAPED COURTYARD AREAS, WITH OVERFLOW ENTERING THE ROADWAY IN BASIN EX7. BASIN EX7 CONTAINS THE SOUTHERN PORTION OF THE SITE WITH A DETENTION BASIN NEAR THE ENTRANCE DRIVE FROM LAGRIMA DE ORO. THIS POND THEN DISCHARGES INTO THE LARGER DETENTION BASIN IN BASIN EX1. A 18" STORM DRAIN PIPE CONNECTS THE TWO DETENTION PONDS.

BASIN EX8 GENERATES A PEAK RUNOFF RATE OF 26.37 CFS. OTHER BASINS THAT ARE ROUTED INTO BASIN EX8 ADD 19.55 CFS TO GENERATE AN INCOMING PEAK FLOWRATE INTO POND EX8 OF 45.90 CFS. THE OUTLET PIPE FROM POND 8 INTO LAGRIMA DE ORD HAS CAPACITY TO CONVEY 18.5 CFS, BUT THE ROUTING HYDROGRAPH ONLY REQUIRES A DISCHARGE RATE OF 14.92 CFS TO CONTAIN THE 100 YEAR 8 HOUR DESIGN STORM. SHOULD THE STORM WATER EXCEED THE AVAILABLE PONDING VOLUME, THE WATER WILL OVERTOP THE BERM BETWEEN THE POND AND THE PUBLIC ROW AND BE DISCHARGED THROUGH A SERIES OF TURNED BLOCKS IN THE MASONRY WALL ALONG LAGRIMA DE ORD ROAD N.E.

EXISTING OUTLET PIPE AND STORM DRAINAGE STRUCTURE WITHIN LAGRIMA DE ORO R.O.W HAVE BEEN INSPECTED AND APPEAR TO BE FUNCTIONING AS DESIGNED. FURTHER INSPECTIONS WILL BE COMPLETED DURING CONSTRUCTION.

PROPOSED MODIFICATIONS WILL BE COMPLETED IN THREE PHASES. THE FIRST PHASE IS TWO SMALL SURFACE PARKING AREAS (COMBINED ONLY 12 SPACES) AND AN ELEVATED PARKING DECK OVER AN EXISTING DETENTION POND. PHASE 2 WILL BE THE CONSTRUCTION OF A NEW INDEPENDENT LIVING BUILDING IN THE NORTH EAST PART OF THE SITE. PHASE 3 WILL BE A THE CONSTRUCTION OF A NEW MEMORY CARE AND ASSISTED LIVING BUILDING ALONG THE SOUTHERN PART OF THE SITE ADJACENT TO LAGRIMA DE ORO.

THE PHASE 1 CONSTRUCTION WILL HAVE A MINIMAL IMPACT ON STORM RUNOFF RATES. THE ISSUE FOR PHASE 1 IS THAT THE PARKING DECK IS DEVELOPED OVER AN EXISTING POND. THIS POND WILL NEED TO CONTAIN THE FIRST FLUSH VOLUME AND ANY INCREASE IN PEAK RUNOFF RATES FOR FUTURE PHASES. THE PLAN BEING PROPOSED HERE IS FOR THE FULLY DEVELOPED CONDITIONS. RESHAPING OF POND PRO 8 WILL CREATE AN AVAILABLE VOLUME OF 4040 CF FOR RETENTION OF FIRST FLUSH VOLUMES. PHASE 1 FIRST FLUSH VOLUME IS ONLY 0.34" X 2774SF= 79 CF.

PHASE 2 INCLUDES CONSTRUCTION OF A NEW INDEPENDENT LIVING BUILDING AND ADDITIONS TO THE COMMONS AREAS OF THE CAMPUS. STORM RUNOFF PATTERNS ARE MAINTAINED AND INCREASE FROM BASIN PRO #1 WILL BE CONTAINED WITHIN THE EXISTING RING ROAD AND DIRECTED OVER TO POND PRO #6 AT THE SE CORNER OF THE SITE. THE PEAK RUNOFF RATE FROM BASIN PRO#1 IS INCREASED BY 0.43 CFS DUE TO A SLIGHT CHANGE IN LANDSCAPING AND IMPERVIOUS SURFACES.

BASIN PRO 3 HAS A CHANGE IN IMPERVIOUS SURFACE DUE TO BUILDING ADDITIONS FOR THE COMMONS SPACES OF THE CAMPUS. POND EX2 HAS CAPACITY OF 8,438 CUBIC FEET WITH A PROPOSED EXCESS RUNOFF VOLUME REQUIREMENT OF 8,578 CUBIC FEET. THIS POND AND THE DISCHARGE PIPING WILL REMAIN WITHOUT ANY PROPOSED MODIFICATIONS.

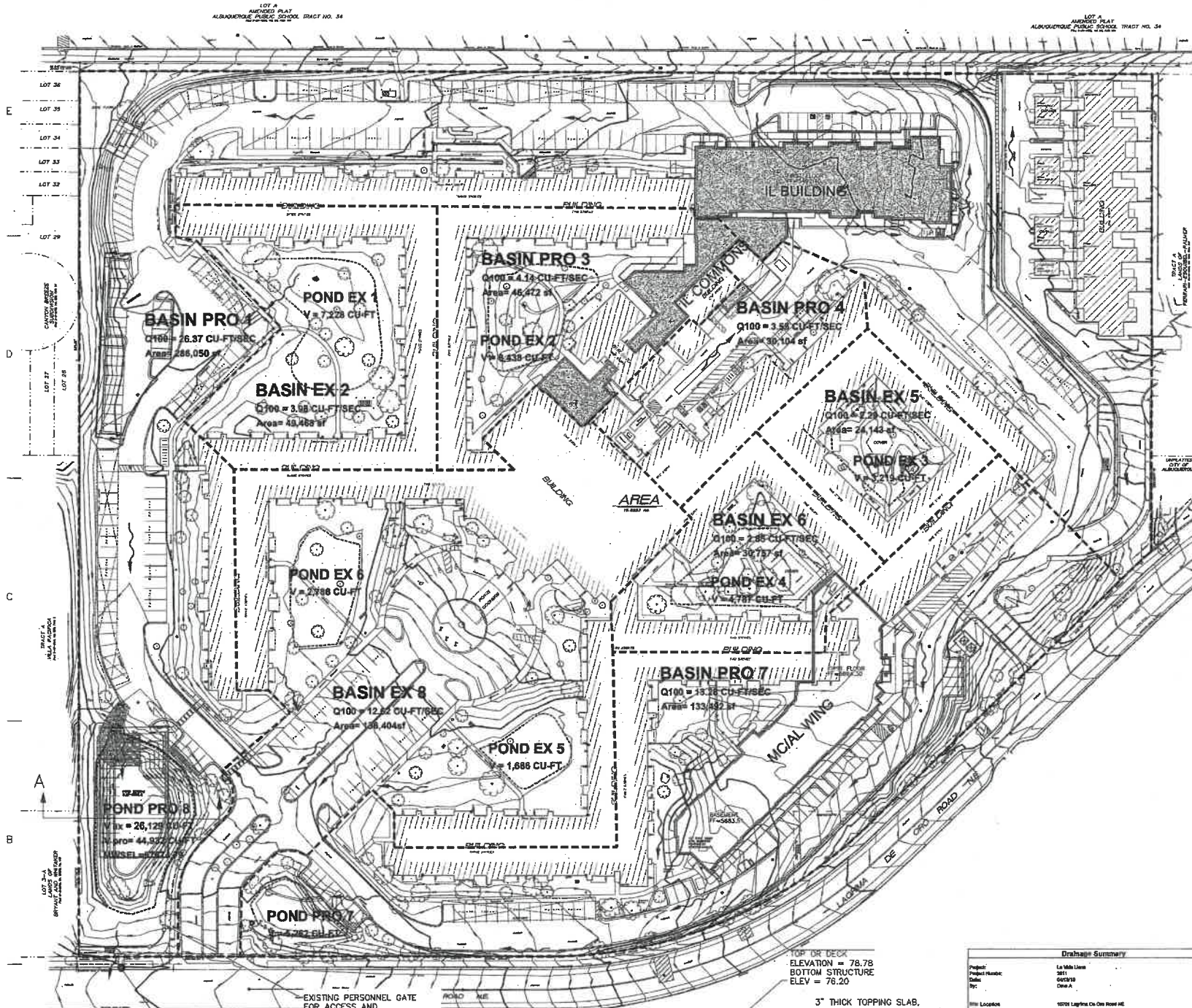
ADDITIONAL RETENTION FOR FIRST FLUSH VOLUMES IS 1771CF (BASIN PRO#1)- 282 CF (BASIN PRO#3)- 2153 CF. THIS WILL BE CONTAINED WITHIN POND PRO 8.

PHASE 3 WILL LIKELY OVERLAP THE PHASE 2 CONSTRUCTION ACTIVITIES. PHASE 3 INCLUDES CREATION OF ADDITIONAL PARKING ALONG THE WESTERN SIDE OF THE SITE TO PROVIDE OVERFLOW PARKING AND A NEW MEMORY CARE AND ASSISTED LIVING WING ALONG THE SOUTH EAST PORTION OF THE SITE. THIS WILL AFFECT ONLY BASIN PRO#7. THE PEAK RUNOFF RATE WILL BE INCREASED BY 0.48 CFS IN BASIN PRO #7. FIRST FLUSH VOLUMES FOR THIS PHASE WILL BE 1381 CF AND WILL BE CONTAINED IN POND PRO 8. THE TOTAL FIRST FLUSH VOLUME FOR THE ENTIRE DEVELOPMENT IS 3,923 CF. THE PHASE 1 RESHAPING OF POND PRO 8 WILL PROVIDE 4,040 CF OF RETENTION AND WILL COVER THE REQUIRED FIRST FLUSH VOLUME.

BASINS EX2, EX5, EX6 AND EX8 WILL NOT BE AFFECTED BY THE PROPOSED DEVELOPMENT. FOR SIMPLICITY THOSE BASINS RETAIN THE "EX" DESIGNATION. BASIN PRO 4 HAS A SLIGHT DECREASE IN EXCESS RUNOFF DUE TO THE CHANGE IN AREAS OF THE DRAINAGE BASIN. THE AREA THAT WAS REMOVED FROM THIS BASIN, IS NOW ACCOUNTED FOR WITHIN BASIN PRO 1. EXCESS RUNOFF FROM BASIN PRO 7 WILL BE ROUTED THROUGH POND 7 (WHICH WILL REMAIN UNCHANGED) AND INTO POND P08B.

TO ACCOUNT FOR THE FIRST FLUSH VOLUME, POND #8 WILL NEED TO BE ENLARGED (SIMPLY BY RESHAPING THE BOTTOM TO PROVIDE ADDITIONAL CAPACITY) BY 440 CUBIC FEET. THE DIFFERENCE BETWEEN EXISTING AND PROPOSED EXCESS RUNOFF FROM BASIN 1 AND 7 CREATES A NEED TO POND AN ADDITIONAL 0.096 AC-RE FEET (2,805 CF) WITHIN POND #8. COMBINED THIS REQUIRES THAT POND #8 HAVE AN ADDITIONAL VOLUME OF 5,446 CUBIC FEET. POND PRO #8 WILL BE RESHAPED IN PHASE 1 OF THE PROJECT AND WILL PROVIDE AN AVAILABLE VOLUME OF 44,932 CUBIC FEET. ORIGINAL VOLUME OF THIS POND WAS 25,120 CUBIC FEET. THE INCREASE OF 19,813 CUBIC FEET WILL EASILY CONTAIN THE REQUIRED EXCESS RUNOFF VOLUME AS WELL AS THE FIRST FLUSH.

THE EXISTING CONTAINS MANY ON-SITE PONDING FACILITIES THAT WILL CONTINUE TO DETAIN AND DELAY THE PEAK RUNOFF FROM THE SITE. THE PROPOSED DEVELOPMENT WILL BE REPLACING PARKING LOTS FOR BUILDINGS AND WILL HAVE A MINIMAL INCREASE IN PEAK RUNOFF ENTERING THE PONDING AREAS. THE LOWEST POINT WILL BE 50 FEET ABOVE THE 100 YEAR FLOOD ELEVATION. THE PEAK FLOODING AFTER THE FIRST FLOOD VOLUME AS WELL AS THE INCREASE IN EXCESS RUNOFF. DISCHARGE POINTS FROM THE SITE WILL MATCH THE HISTORIC AS THE DISCHARGE IS CONTROLLED BY THE OUTLET CONDITIONS BEFORE DISCHARGING INTO THE PUBLIC ROW. THIS OUTLET CONDITION WILL NOT BE MODIFIED BY THE PROPOSED DEVELOPMENT. CAPACITIES OF DOWNSTREAM SYSTEMS WOULD NOT BE AFFECTED BY THE PROPOSED DEVELOPMENT.



A1

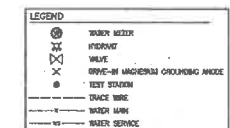
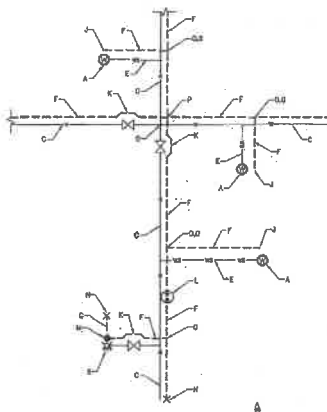
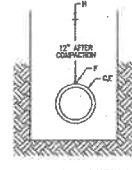
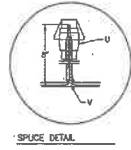
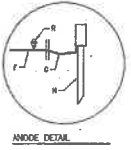
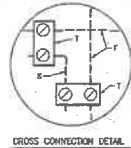
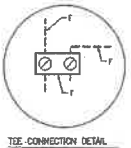
A horizontal number line with tick marks at 50, 75, and 100. The numbers 50, 75, and 100 are written above the tick marks.

(IN FEET)
1 inch = 50 ft

A2

NOT TO
SCALE

[illegible][illegible]



GENERAL NOTES

1. TRUCK BEDS SHALL BE MADE FROM PINE PLY OR STEEL. TRUCK BEDS SHALL BE BUILT UP TO 18" ABOVE THE TOP OF THE CURB OR 24" ABOVE THE SILLING AREA.
2. TRUCK BEDS SHALL BE REINFORCED TO HAND-POUR FIVE POUNDS PER SQ. YD. OF REINFORCING BARS.
3. ATTACH TRUCK BEDS TO THE SIDEWALK USING TWO PLASTIC DOWNS PER YD. OR USE AN ALTERNATE TYPE OF JOINT BENDER LINES.
4. TRUCK BEDS MUST BE 18" WIDE.
5. TRUCK SEASON COAT AND TRUCK BEDS SHALL BE COLORED COARSE BLUE (LOWA EXHIBITION).

CONSTRUCTION NOTES

1. TRUCK BEDS MUST BE:
- A. STRENGTH
- B. WEAR SURF
- C. WATER TIGHT CROSS
- D. WATER TIGHT
- E. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COPPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. TRUCK BEDS: 18" WIDE COPPER COLOR STEEL - 3/8" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
- F. WAREHOUSE DRIVE:
1. TRUCK BEDS: 18" WIDE WAREHOUSE DRIVE SHALL BE 1/2" OF COARSE/BLACK TRUCK BEDS - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- G. SIDEWALKS:
1. SIDEWALKS SHALL BE 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- H. MAIN LINE SIDEWALK SHALL BE REINFORCED AS FOLLOWS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- I. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- J. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- K. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- L. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- M. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- N. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- O. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- P. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- Q. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- R. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- S. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- T. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- U. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- V. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- W. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- X. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- Y. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)
- Z. TRUCK BEDS:
1. TRUCK BEDS: 18" WIDE COOPER COLOR STEEL - 1/2" THICK PLATED TO TOP OF PINE OR STEEL CURB OR 24" ABOVE THE SILLING AREA.
2. (SEE EXHIBITION DRAWING 1242)

CONCRETE AND REINFORCING

REINFORCING

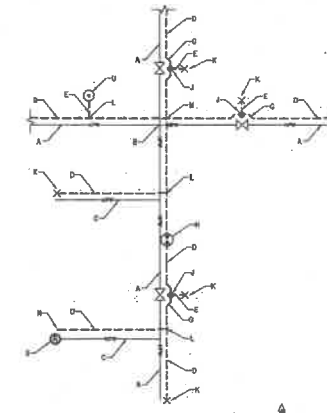
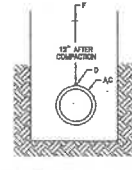
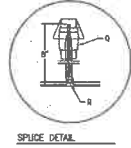
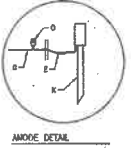
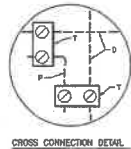
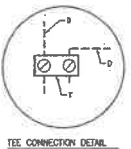
WATER AUTHORITY

TRACED WARE SAMPLE PLAN AND DETAILS

DATE: 2003.03.04

BY: 2003.03.04

2003.03.04

[illegible]

dg THE HARTMAN + MAJEWSKI
DESIGN GROUP
120 VASSAR DRIVE SE SUITE 100
ALBUQUERQUE, NEW MEXICO 87108

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LA VIDA LLENA UTILITIES

TRACER WIRE			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

[illegible]

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City Project No.	Zone Map	Sheet	Of
706882	E-21-7	13	13