RECORD DRAWING

"ORIGINALS"

STATEMENT CERTIFICATION:

I JOHN P. GIERSCH, PE, of IPG ENGINEERING, LLC do hereby certify to the best of my knowledge and belief, that the infrastructure designed by: L&A (Engineer of Record), with observation services performed by: SPINELLO-DCS, LLC (Part-time), was constructed in accordance with the plans and specifications approved by the CITY OF ALBUQUERQUE and that the original design intent of the approved plans has been met, except as noted on the Record Drawings. All warranties, guarantees and quality of work are the responsibility of the Contractor of record and their subcontractors. This Certification is based on the inspections conducted and the As-Built Survey performed by: Brian J. Martinez, N.M. # 18374.

JOHN P. GIERSCH, NEW MEXICO, 14083, REGISTERED PROFESSIONAL ENGINEER

2/15/22

CERTIFYING ENGINEER — DATE

IPG ENGINEERING
(SUB-CONSULTANT TO SPINELLO-DCS, LLC)
JOHN P. GIERSCH, PE
NM PE # 14083

PUBLIC IMPROVEMENT PLANS

FOR

ASPIRE SUBDIVISION, UNIT 1

ALBUQUERQUE, NEW MEXICO

FEBRUARY 2021

PREPARED FOR:
HERITAGE TRAILS DEVELOPMENT I, LLC.
303 ROMA AVE NW
ALBUQUERQUE, NM 87102

PREPARED BY:
ISAACSON & ARFMAN, INC.
128 MONROE ST. NE
ALBUQUERQUE, NM 87108

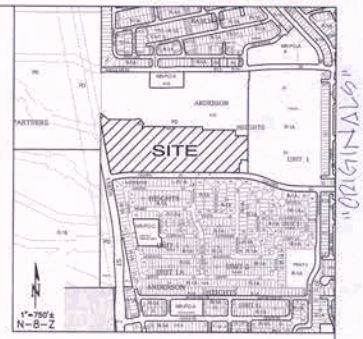
APPROVED RECORD DRAWINGS	
City Inspector	*Matt Garduno*
Contractor	*Salls Brothers Construction, Inc.*
Construction Engineer	*David Bishop*
Date	*9/8/2022*

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. IN NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.

2/15/22

BRIAN J. MARTINEZ, NEW MEXICO, No. 18374, REGISTERED PROFESSIONAL SURVEYOR



INDEX TO DRAWINGS

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, 2020 EDITION, 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 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.
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 (260-1990) 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 UNTIL ALL DATA HAS BEEN RECORDED.
8. CONTRACTOR SHALL ASSUME FINANCIAL RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, SIGNAGE, CURB AND GUTTER, HANDICAP RAMPS, AND SIDEWALK 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 SIGNING UNTIL 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 FLANGE 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 VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT HTTP://ABCWUA.ORG/WATER_SHUT_OFF_AND_TURN_ON_PROCEDURES.ASPX
16. PROPOSED WATERLINE MATERIALS SHALL BE PVC PIPE MEETING AWWA C-900: DR18 REQUIREMENTS (6"-12") OR DUCTILE IRON PIPE MEETING AWWA C-150 REQUIREMENTS (6"-48"),
17. ALL WATERLINE FITTINGS, VALVES, BENDS, 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 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2465.
20. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO THE CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9. THE CONTRACTOR SHALL INSTALL A 4"X 4"X5' 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 207 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 DESIGNS AND CONSTRUCTION OF ANY UNDERGROUND UTILITIES SHALL COMPLY WITH ADMINISTRATIVE INSTRUCTION NO. 9 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.ABCWUA.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 MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
26. REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
27. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
28. CURB AND GUTTER, SIDEWALKS, AND DRIVE PADS SHALL MATCH THE LINE AND GRADE OF ABUTTING 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 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 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 CURB 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 # 2465 WITH THE APPROPRIATE PAVING SECTION BASED ON ROADWAY CLASSIFICATION.

HYDROLOGY

33. ALL STORM DRAINS SHALL BE RCP CLASS III 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 RECOMMENDED JOINT GAP TOLERANCES 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 P.
36. WHEN DISTURBING MORE THAN ¼ 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, GUYS, 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 EASEMENTS 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 UNSUITABLE MATERIAL SHALL BE ARRANGED BY THE CONTRACTOR IN COMPLIANCE WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR COSTS ASSOCIATED WITH OBTAINING A DISPOSAL SITE AND HAUL THERETO.
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) 272-3053. 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 505-724-3137, CELL PHONE 505-206-0151, AND E-MAIL DGOFF@CABQ.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 FILLS, THE GEOTECHNICAL ENGINEER SHALL CERTIFY THAT PLACEMENT, COMPACTION, AND ALL OTHER WORK HAS BEEN COMPLETED IN ACCORDANCE WITH COA SPECIFICATION SECTION 204. SAID 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.

811 Know what's below. Call before you dig.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

DRB NO. PR-2019-002411

ENGINEERS STAMP & SIGNATURE

APPROVALS	ENGINEER	DATE
DRC Chairman		3/25/21
Transportation		3/2/2021
ABCWUA	Robert W. Strong	3/8/21
Hydrology		03/02/21

Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021

APPROVED FOR CONSTRUCTION

6/28/2021
City Engineer — Date

Isaacson & Arfman, Inc.
Civil Engineering Consultants
128 Monroe Street NE
Albuquerque, NM 87108
505-268-8828 | www.iacivil.com

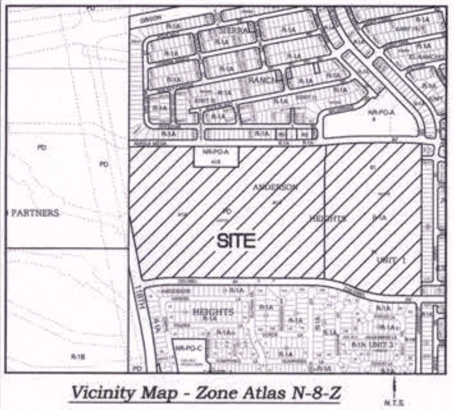
ASA W. WILSSON-WEBER, NEW MEXICO, 17831, REGISTERED PROFESSIONAL ENGINEER
02/23/21

City Project No. 757580

Sheet 1 Of 37

RECORD DRAWING

Plat for Aspire Subdivision Unit 1
Being Comprised of Tracts A-1-A and B-1 Anderson Heights, Unit 4
City of Albuquerque
Bernalillo County, New Mexico
December 2020



Vicinity Map - Zone Atlas N-8-Z

N.T.S.

Indexing Information

Projected Section 5, Township 9 North, Range 2 East, N.M.P.M. Town of Atrisco Grant
Subdivision: Anderson Heights, Unit 4
Owner: Success Land Holdings, LLC
UPC #:100805448521940104 (Tract B-1)
UPC #:100805434722140105 (tract A-1-A)

Purpose of Plat

1. SUBDIVIDE AS SHOWN HEREON.
2. GRANT EASEMENTS AS SHOWN HEREON.
3. VACATE EASEMENTS AS SHOWN HEREON.

Subdivision Data

GROSS ACREAGE. . . . . 82.9148 ACRES
ZONE ATLAS PAGE NO. N-8-Z
NUMBER OF EXISTING TRACTS. 2
NUMBER OF LOTS CREATED. 151
NUMBER OF TRACTS CREATED. 20
MILES OF FULL-WIDTH STREETS. . . . . 0.987 MILES
MILES OF HALF-WIDTH STREETS. . . . . 0.000 MILES
RIGHT-OF-WAY DEDICATION TO THE CITY OF ALBUQUERQUE. . . . . 0.00 ACRES
DATE OF SURVEY. . . . . MARCH 2020

Notes

1. FIELD SURVEY PERFORMED IN MARCH 2020.
2. ALL DISTANCES ARE GROUND DISTANCES: US SURVEY FOOT.
3. THE BASIS OF BEARINGS REFERENCES NEW MEXICO STATE PLANE COORDINATES (NAD 83-CENTRAL ZONE).
4. LOT LINES TO BE ELIMINATED SHOWN HEREON AS . . . .
5. TRACTS A-P SHALL BE CONVEYED TO THE ASPIRE COMMUNITY ASSOCIATION, INC. IN FEE SIMPLE AND SHALL BE MAINTAINED BY THE ASPIRE COMMUNITY ASSOCIATION.
6. TRACTS FD1, FD2 AND FD3 SHALL BE RETAINED BY HERITAGE TRAILS DEVELOPMENT I, LLC.

Documents

1. TITLE COMMITMENT PROVIDED BY OLD REPUBLIC TITLE, HAVING FILE NO. 1806693 AND AN EFFECTIVE DATE OF SEPTEMBER 4, 2008.
2. CORRECTION PLAT OF RECORD FOR TRACT A-1-A, FILED IN THE BERNALILLO COUNTY, NEW MEXICO REAL ESTATE RECORDS ON JUNE 6, 2017, IN BOOK 2017-C, PAGE 69, AS DOCUMENT NO. 2017054333.
3. PLAT OF RECORD FOR TRACT B-1, FILED IN THE BERNALILLO COUNTY, NEW MEXICO REAL ESTATE RECORDS ON MARCH 23, 2015, IN PLAT VOLUME 2015C, FOLIO 29 AS DOCUMENT NO. 2015023748.
4. SPECIAL WARRANTY DEED FOR SUBJECT PROPERTY FILED IN THE SANDOVAL COUNTY CLERK'S OFFICE ON MAY 22, 2018, AS DOCUMENT NO. 2018044675.

Treasurer's Certificate

THIS IS TO CERTIFY THAT THE TAXES ARE CURRENT AND PAID ON UPC # 100805448521940104
100805434722140105

PROPERTY OWNER OF RECORD

BERNALILLO COUNTY TREASURER'S OFFICE

Project Number:
Application Number:

Plat Approvals:

PNM Electric Services	1/11/2021
Abdul A. Bhuiyan	1/11/2021
Qwest Corp. d/b/a CenturyLink QC	1/11/2021
New Mexico Gas Company	1/11/21
Comcast	

City Approvals:

City Surveyor P.S.	12/11/2020
Traffic Engineer	
ABCWUA	
Parks and Recreation Department	
Code Enforcement	
AMAFCA	1/11/2021
City Engineer	
DRB Chairperson, Planning Department	

Free Consent & Dedication

THE SUBDIVISION SHOWN AND DESCRIBED HEREON IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER(S) THEREOF. EXISTING AND/OR GRANTED PUBLIC UTILITY EASEMENTS (P.U.E.) AS SHOWN HEREON, UNLESS NOTED OTHERWISE, ARE FOR THE COMMON AND JOINT USE OF GAS, ELECTRICAL POWER AND COMMUNICATION SERVICES FOR BURIED AND/OR OVERHEAD DISTRIBUTION LINES, CONDUIT AND PIPES FOR UNDERGROUND UTILITIES. SAID UTILITY COMPANIES HAVE THE RIGHT OF INGRESS/EGRESS FOR CONSTRUCTION OF, MAINTENANCE OF AND REPLACEMENT OF SAID UTILITIES INCLUDING THE RIGHT TO TRIM INTERFERING TREES AND SHRUBS WITHIN SAID P.U.E. SAID OWNERS CERTIFY THAT THIS SUBDIVISION IS THEIR FREE ACT AND DEED.

GARRETT PRICE, MANAGER — 1/11/2021 DATE
HERITAGE TRAILS DEVELOPMENT I, LLC

OFFICIAL SEAL
Rico Gallegos
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 12/22/24

STATE OF NEW MEXICO)
) SS
COUNTY OF Bernalillo)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON January 11 2021
BY: GARRET PRICE, MANAGER, HERITAGE TRAILS DEVELOPMENT I, LLC

By: Rico Gallegos
NOTARY PUBLIC

MY COMMISSION EXPIRES 12/22/2024

Solar Collection Note

NO PROPERTY WITHIN THE AREA OF REQUESTED FINAL ACTION SHALL AT ANY TIME BE SUBJECT TO A DEED RESTRICTION, COVENANT, OR BUILDING AGREEMENT PROHIBITING SOLAR COLLECTORS FROM BEING INSTALLED ON BUILDINGS OR ERECTED ON THE LOTS OR PARCELS WITHIN THE AREA OF PROPOSED PLAT. THE FOREGOING REQUIREMENT SHALL BE A CONDITION TO APPROVAL OF THIS PLAT.

Legal Description

TRACT A-1-A, ANDERSON HEIGHTS UNIT 4, AS THE SAME IS SHOWN ON THE CORRECTION PLAT OF TRACTS A-1-A & A-1-B, ANDERSON HEIGHTS UNIT 4, RECORDED IN THE BERNALILLO COUNTY, NEW MEXICO REAL ESTATE RECORDS ON JUNE 6, 2017, IN BOOK 2017-C, PAGE 69, AS DOCUMENT NO. 2017054333.

AND

TRACT B-1, ANDERSON HEIGHTS UNIT 4, AS THE SAME IS SHOWN ON THE BULK LAND PLAT FOR ANDERSON HEIGHTS UNIT 4, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON MARCH 23, 2015, IN PLAT VOLUME 2015C, FOLIO 29 AS DOCUMENT NO. 2015023748.

Surveyor's Certificate

I, WILL PLOTNER JR., A REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT AND DESCRIPTION WERE PREPARED BY ME OR UNDER MY SUPERVISION, SHOWS ALL EASEMENTS AS SHOWN ON THE PLAT OF RECORD OR MADE KNOWN TO ME BY THE OWNERS AND/OR PROPRIETORS OF THE SUBDIVISION SHOWN HEREON, THE UTILITY COMPANIES OR OTHER INTERESTED PARTIES AND MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS FOR THE CITY OF ALBUQUERQUE AND FURTHER MEETS THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

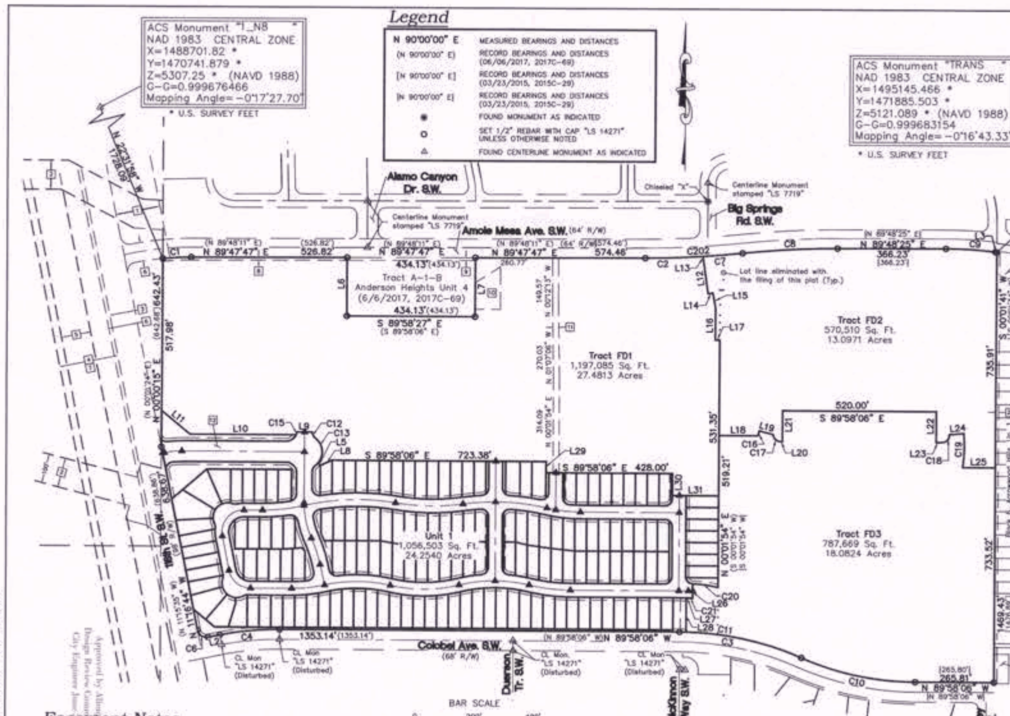
Will Plotner Jr. — Date 12/10/2020
N.M.R.P.S. No. 14271

WILL W. PLOTNER JR. NEW MEXICO No. 14271 REGISTERED PROFESSIONAL SURVEYOR

CSI-CARTESIAN SURVEYS INC.
P.O. BOX 44414 RIO RANCHO, N.M. 87174
Phone (505) 896-3050 Fax (505) 891-0244
wplotnerjr@gmail.com

RECORD DRAWING

Plat for Aspire Subdivision Unit 1
Being Comprised of Tracts A-1-A and B-1 Anderson Heights, Unit 4
City of Albuquerque
Bernalillo County, New Mexico
January 2021



Easement Notes

1. EXISTING 150' AMAFCA DRAINAGE EASEMENT (04/17/1996, 96C-160)
2. EXISTING 100' OR 200' AMAFCA DRAINAGE EASEMENT (07/19/1990, 90C-163)
3. EXISTING 86' PUBLIC ROADWAY EASEMENT (04/17/1996, 96C-160)
4. EXISTING 200' POWER LINE EASEMENT U.S.B.R. (02/05/1952, BK. D197, PG. 567) (06/16/2000, BK. A6, PG. 8301)
5. EXISTING 100' PNM EASEMENT (04/20/1978, BK. MISC. 602, PG. 558-561)
6. EXISTING 64' OR 98' FUTURE R/W EASEMENT (05/04/2005, 2005C-138)
7. EXISTING 200' COA PUBLIC DRAINAGE EASEMENT (04/20/2005, BK. A95, PG. 4276)
8. EXISTING 10' PNM ELECTRIC EASEMENT (04/28/2009, DOC. NO. 2009056097)
9. EXISTING 10' P.U.E. (06/06/2017, 2017C-69)
10. EXISTING PUBLIC POND EASEMENT TO THE CITY OF ALBUQUERQUE (5/11/2018, DOC. NO. 2018041626) VACATED PER SD-2020-00103

Easement Notes

11. 20' TEMPORARY EMERGENCY ACCESS EASEMENT BENEFITING UNIT 1, TO BE MAINTAINED BY THE HOA GRANTED WITH THE FILING OF THIS PLAT
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21. EXISTING 10' P.U.E. (07/23/2003, 2003C-223)

Public Utility Easements

PUBLIC UTILITY EASEMENTS shown on this plat are granted for the common and joint use of:

A. Public Service Company of New Mexico ("PNM"), a New Mexico corporation, (PNM Electric) for installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment and related facilities reasonably necessary to provide electrical services.

B. New Mexico Gas Company for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas services.

C. Qwest Corporation d/b/a CenturyLink QC for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide communication services.

D. Cable TV for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide Cable services.

Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, replace, modify, renew, operate and maintain facilities for purposes described above, together with free access to, from, and over said easements, with the right and privilege of going upon, over and across adjoining lands of Grantor for the purposes set forth herein and with the right to utilize the right of way and easement to extend services to customers of Grantee, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (aboveground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electrical Safety Code by construction of pools, decking, or any structures adjacent to or near easements shown on this plat. Easements for electric transformer/switchgears, as installed, shall extend ten (10) feet in front of transformer/switchgear doors and five (5) feet on each side.

Disclaimer:
In approving this plat, Public Service Company of New Mexico (PNM) and New Mexico Gas Company (NMGC) did not conduct a Title Search of the properties shown hereon. Consequently, PNM and NMGC do not waive or release any easement or easement rights which may have been granted by prior plat, replat or other document and which are not shown on this plat.

CSI-CARTESIAN SURVEYS INC.
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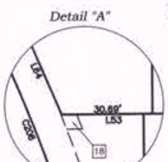
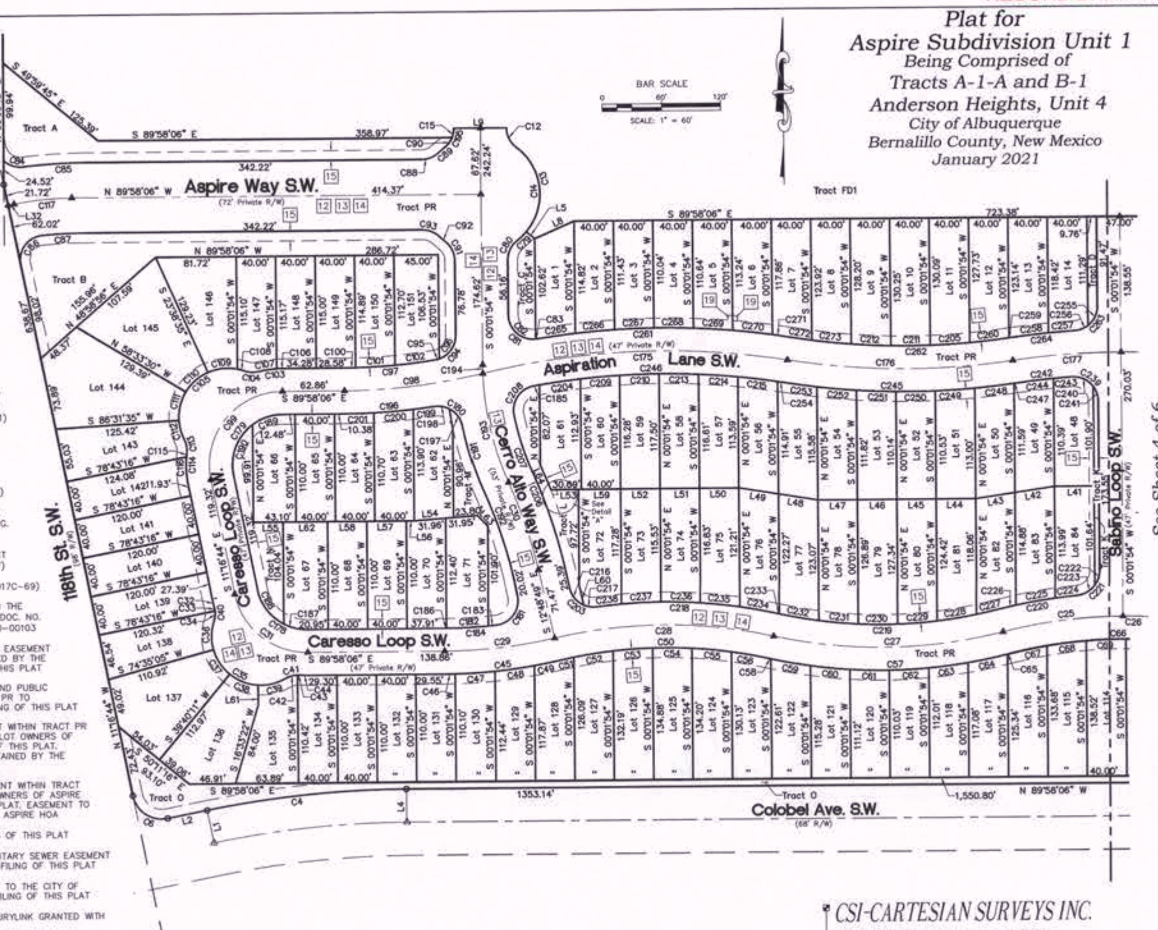
Plat for Aspire Subdivision Unit 1
Being Comprised of
Tracts A-1-A and B-1
Anderson Heights, Unit 4
City of Albuquerque
Bernalillo County, New Mexico
January 2021





Easement Notes

1. EXISTING 150' AMAFCA DRAINAGE EASEMENT (04/17/1996, 96C-160)
2. EXISTING 100' OR 200' AMAFCA DRAINAGE EASEMENT (07/19/1990, 90C-163)
3. EXISTING 86' PUBLIC ROADWAY EASEMENT (04/17/1996, 96C-160)
4. EXISTING 200' POWER LINE EASEMENT U.S.B.R. (02/05/1952, BK. D197, PG. 567) (06/16/2000, BK. A6, PG. 8301)
5. EXISTING 100' PNM EASEMENT (04/20/1978, BK. MISC. 602, PG. 558-561)
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Plat for Aspire Subdivision Unit 1
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January 2021

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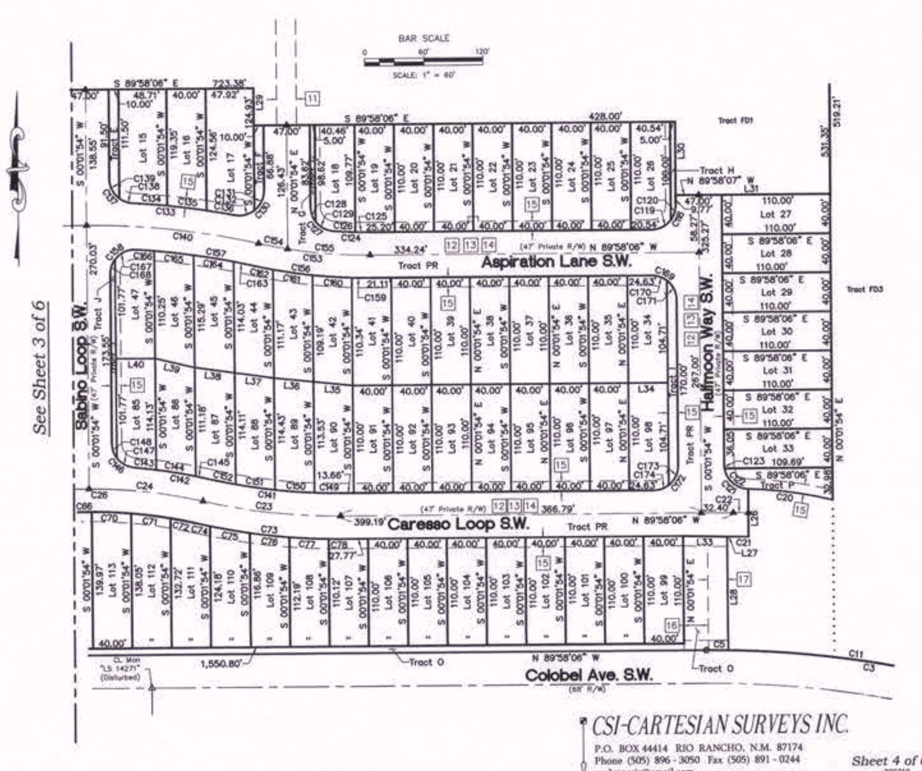

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RECORD DRAWING

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Aspire Subdivision Unit 1
Being Comprised of
Tracts A-1-A and B-1
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City of Albuquerque
Bernalillo County, New Mexico
January 2021

Curve Table

Curve #	Length	Radius	Delta	Chord Length	Chord Direction
C1	97.16'	966.00'	5°45'46"	97.12'	S 86°54'54" W
C2	195.60'	3155.42'	3°33'06"	195.57'	N 88°01'14" E
C3	424.77'	1034.00'	23°32'14"	421.79'	N 78°11'59" W
C4	203.77'	1034.00'	11°17'29"	203.44'	S 84°23'10" W
C5	22.30'	1034.00'	1°14'09"	22.30'	N 89°21'01" W
C6	47.11'	30.00'	89°58'51"	42.42'	N 56°16'10" W
C7	133.73'	3155.42'	2°25'42"	133.72'	N 85°01'50" E
C8	322.44'	3087.42'	5°59'02"	322.29'	N 86°48'30" E
C9	167.59'	1281.12'	7°29'43"	167.47'	N 86°26'44" W
C10	396.84'	966.00'	23°32'15"	394.06'	N 78°11'59" W
C11	402.47'	1034.00'	22°18'05"	399.93'	N 77°34'54" W
C12	23.00'	25.00'	52°42'27"	22.20'	S 26°19'20" E
C13	97.46'	60.00'	93°04'05"	87.09'	N 06°08'31" W
C14	110.39'	60.08'	105°16'22"	95.51'	N 00°02'38" E
C15	9.66'	25.00'	22°08'42"	9.60'	N 11°06'15" E
C16	18.10'	25.00'	41°29'06"	17.71'	N 16°09'33" E
C17	37.78'	25.00'	86°35'37"	34.29'	S 46°40'17" E
C18	41.34'	25.00'	94°45'13"	36.79'	N 42°39'18" E
C19	117.31'	524.50'	12°48'53"	117.06'	N 01°41'08" E
C20	88.87'	424.50'	11°43'32"	86.72'	N 82°03'12" W
C21	15.21'	375.50'	2°19'17"	15.21'	N 88°48'28" W
C22	15.21'	400.00'	2°10'41"	15.21'	N 88°52'45" W
C23	140.39'	600.00'	13°24'22"	140.07'	S 83°15'55" E
C24	116.79'	500.00'	13°23'01"	116.53'	N 83°15'15" W
C25	122.92'	500.00'	14°05'10"	122.61'	S 83°00'40" W
C26	239.72'	500.00'	27°28'11"	237.43'	S 89°42'10" W
C27	234.82'	500.00'	26°54'32"	232.67'	N 89°25'21" E
C28	224.19'	500.00'	25°41'26"	222.32'	N 89°58'06" W
C29	112.10'	500.00'	12°50'43"	111.86'	N 83°36'32" E
C30	94.59'	500.00'	10°50'22"	94.45'	N 18°14'00" W
C31	103.00'	75.00'	78°41'22"	95.10'	S 50°37'25" E
C32	8.19'	98.50'	4°45'52"	8.19'	S 13°39'40" E
C33	4.44'	25.00'	10°09'54"	4.43'	N 10°57'40" W
C34	10.65'	25.00'	24°24'55"	10.57'	N 06°19'44" E
C35	120.71'	50.00'	138°19'14"	93.46'	S 50°37'25" E
C36	29.63'	50.00'	33°57'06"	29.20'	S 01°33'39" W
C37	30.47'	50.00'	34°54'55"	30.00'	S 32°52'22" E
C38	31.45'	50.00'	36°02'06"	30.93'	S 68°20'52" E
C39	29.16'	50.00'	33°25'07"	28.75'	N 76°55'32" E
C40	15.09'	25.00'	34°34'48"	14.86'	N 01°14'48" E
C41	15.09'	25.00'	34°34'48"	14.86'	S 77°30'22" W
C42	12.57'	25.00'	28°48'50"	12.44'	S 74°37'23" W
C43	2.52'	25.00'	5°45'58"	2.51'	N 88°05'13" W
C44	8.19'	98.50'	4°45'52"	8.19'	S 87°35'10" E
C45	117.36'	523.50'	12°50'43"	117.12'	N 83°36'32" E
C46	10.45'	523.50'	1°08'36"	10.45'	N 89°27'36" E
C47	40.08'	523.50'	4°23'11"	40.07'	N 86°41'42" E
C48	40.38'	523.50'	4°25'09"	40.37'	N 82°17'32" E
C49	26.46'	523.50'	2°53'46"	26.46'	N 78°38'04" E
C50	213.86'	476.50'	25°41'26"	211.87'	N 89°58'06" W
C51	14.38'	476.50'	1°43'43"	14.38'	S 78°03'03" W
C52	40.48'	476.50'	4°52'01"	40.46'	S 81°20'55" W
C53	40.10'	476.50'	4°49'19"	40.09'	S 86°11'35" W
C54	40.02'	476.50'	4°48'43"	40.01'	N 86°59'25" W
C55	40.22'	476.50'	4°50'09"	40.21'	N 84°09'59" W
C56	38.47'	476.50'	4°37'31"	38.46'	N 79°26'08" W
C57	245.86'	523.50'	26°54'32"	243.61'	N 89°25'21" E
C58	2.25'	523.50'	0°14'46"	2.25'	S 77°14'46" E
C59	40.67'	523.50'	4°27'06"	40.66'	S 79°35'40" E
C60	40.23'	523.50'	4°24'10"	40.22'	S 84°01'20" E
C61	40.02'	523.50'	4°22'50"	40.01'	S 88°24'50" E
C62	40.06'	523.50'	4°23'04"	40.05'	N 87°12'14" E
C63	40.33'	523.50'	4°24'51"	40.32'	N 82°48'17" E
C64	40.85'	523.50'	4°28'17"	40.84'	N 78°21'43" E
C65	1.44'	523.50'	0°09'29"	1.44'	N 76°02'50" E
C66	228.45'	476.50'	27°28'11"	226.27'	S 89°42'10" W
C67	39.43'	476.50'	4°44'27"	39.42'	S 78°20'19" W
C68	40.30'	476.50'	4°50'46"	40.29'	S 83°07'36" W
C69	40.04'	476.50'	4°48'51"	40.03'	S 87°57'45" W
C70	40.06'	476.50'	4°49'00"	40.05'	N 87°13'20" W
C71	40.36'	476.50'	4°51'13"	40.35'	N 82°23'15" W
C72	28.26'	476.50'	3°23'52"	28.25'	N 78°15'41" W
C73	145.69'	623.50'	13°24'22"	145.55'	S 83°15'55" E
C74	12.65'	623.50'	1°09'45"	12.65'	S 77°08'37" E
C75	40.67'	623.50'	3°44'15"	40.66'	S 79°35'36" E
C76	40.28'	623.50'	3°42'05"	40.27'	S 83°18'46" E
C77	40.06'	623.50'	3°40'53"	40.05'	S 87°00'15" E
C78	12.23'	623.50'	1°07'25"	12.23'	S 89°24'24" E
C79	12.97'	60.08'	12°22'18"	12.95'	N 46°29'40" E
C80	22.97'	25.00'	52°38'55"	22.17'	S 26°21'22" W
C81	43.23'	25.00'	99°03'55"	38.04'	S 49°30'03" E
C82	41.95'	25.00'	96°08'51"	37.20'	S 48°02'32" E
C83	1.27'	25.00'	2°55'04"	1.27'	N 82°25'31" E
C84	21.49'	25.00'	49°15'25"	20.84'	S 71°59'45" E
C85	62.27'	536.00'	6°39'22"	62.23'	S 86°42'13" W
C86	41.87'	25.00'	95°57'08"	37.14'	S 36°41'50" W
C87	43.39'	464.00'	5°21'30"	43.38'	S 87°21'09" W
C88	19.26'	25.00'	44°08'22"	18.79'	N 67°57'43" E
C89	7.17'	60.00'	6°50'49"	7.17'	S 49°18'57" W
C90	13.34'	25.00'	30°33'46"	13.18'	N 37°27'29" E
C91	23.00'	25.00'	52°42'27"	22.20'	N 26°19'20" W
C92	7.17'	60.00'	6°50'49"	7.17'	S 49°15'09" E
C93	19.26'	25.00'	44°08'22"	18.79'	N 67°53'55" W
C94	35.25'	25.00'	80°47'13"	32.40'	N 40°25'31" E
C95	4.25'	25.00'	9°45'06"	4.25'	N 75°56'34" E
C96	31.00'	25.00'	71°02'07"	29.05'	N 35°32'58" E
C97	92.70'	576.50'	9°12'47"	92.60'	N 85°25'31" E
C98	141.23'	600.00'	13°29'11"	140.90'	N 83°17'18" E
C99	132.62'	75.00'	101°18'38"	116.00'	S 39°22'35" W
C100	11.42'	576.50'	1°08'07"	11.42'	N 89°27'50" E
C101	40.07'	576.50'	3°58'56"	40.06'	N 88°54'19" E
C102	41.21'	576.50'	4°05'44"	41.20'	N 82°51'59" E
C103	24.04'	98.50'	13°58'53"	23.98'	S 83°02'27" W
C104	14.82'	25.00'	33°57'33"	14.60'	S 86°58'13" E
C105	119.23'	50.00'	136°37'32"	92.92'	S 41°41'47" W
C106	5.72'	98.50'	3°19'37"	5.72'	S 88°22'06" W
C107	18.32'	98.50'	10°39'16"	18.29'	S 81°22'39" W
C108	7.62'	50.00'	8°44'14"	7.62'	N 74°21'34" W
C109	30.47'	50.00'	34°54'55"	30.00'	S 83°48'52" W
C110	30.47'	50.00'	34°54'55"	30.00'	S 48°53'57" W
C111	30.47'	50.00'	34°54'55"	30.00'	S 13°59'03" W
C112	20.20'	50.00'	23°08'34"	20.08'	S 15°02'42" E
C113	14.82'	25.00'	33°57'33"	14.60'	N 09°38'12" W
C114	32.01'	98.50'	18°37'18"	31.87'	S 01°58'05" E
C115	3.55'	98.50'	2°03'48"	3.55'	S 06°18'40" W
C116	28.47'	98.50'	16°33'30"	28.37'	S 02°59'59" E
C117	59.22'	300.00'	11°18'38"	59.13'	S 84°22'35" W
C118	39.27'	25.00'	90°00'00"	35.36'	N 45°01'54" E
C119	23.18'	25.00'	53°07'48"	22.36'	N 63°28'00" E
C120	16.09'	25.00'	36°52'12"	15.81'	N 18°28'00" E
C121	38.37'	25.00'	87°56'51"	34.72'	S 43°56'32" E
C122	34.41'	25.00'	78°51'58"	31.76'	S 48°28'59" E
C123	3.96'	25.00'	9°04'54"	3.96'	S 04°30'33" E
C124	37.25'	476.50'	4°28'46"	37.24'	S 87°43'43" E
C125	14.81'	476.50'	1°46'50"	14.81'	S 89°04'41" E
C126	22.45'	476.50'	2°41'56"	22.44'	S 86°50'18" E
C127	37.32'	25.00'	85°31'14"	33.95'	S 42°43'43" E
C128	16.09'	25.00'	36°52'12"	15.81'	S 18°24'12" E
C129	21.23'	25.00'	48°39'03"	20.60'	S 61°09'49" E
C130	44.04'	25.00'	100°56'35"	38.57'	N 50°30'12" E
C131	23.18'	25.00'	53°07'48"	22.36'	N 26°35'48" E
C132	20.86'	25.00'	47°48'47"	20.26'	N 77°04'06" E
C133	104.26'	793.50'	7°31'42"	104.19'	N 82°47'22" W
C134	35.32'	793.50'	2°33'01"	35.32'	N 85°16'42" W
C135	40.34'	793.50'	2°54'47"	40.34'	N 82°32'48" W
C136	28.60'	793.50'	2°03'54"	28.60'	N 80°03'28" W
C137	37.78'	25.00'	86°35'07"	34.29'	S 43°15'39" E
C138	14.60'	25.00'	33°27'18"	14.39'	S 69°49'34" E
C139	23.18'	25.00'	53°07'48"	22.36'	S 26°32'00" E
C140	175.67'	770.00'	13°04'18"	175.29'	N 83°24'49" W
C141	134.89'	576.50'	13°24'22"	134.58'	S 83°15'55" E
C142	75.95'	523.50'	8°18'45"	75.88'	N 80°43'07" W
C143	22.36'	523.50'	2°26'49"	22.36'	N 83°39'05" W
C144	40.60'	523.50'	4°26'36"	40.59'	N 80°12'23" W
C145	13.00'	523.50'	1°25'20"	13.00'	N 77°16'24" W
C146	37.05'	25.00'	84°54'24"	33.75'	S 42°25'18" E
C147	20.96'	25.00'	48°02'12"	20.35'	S 60°51'24" E
C148	16.09'	25.00'	36°52'12"	15.81'	S 18°24'12" E
C149	26.35'	576.50'	2°37'07"	26.35'	S 88°39'32" E
C150	40.14'	576.50'	3°59'21"	40.13'	S 85°21'18" E
C151	40.47'	576.50'	4°01'18"	40.46'	S 81°20'59" E
C152	27.94'	576.50'	2°46'36"	27.93'	S 77°57'02" E
C153	114.24'	500.00'	13°05'26"	113.99'	S 83°25'23" E
C154	30.08'	500.00'	3°26'48"	30.07'	S 78°36'04" E
C155	84.16'	500.00'	9°38'38"	84.06'	S 85°08'47" E
C156	119.61'	523.50'	13°05'26"	119.35'	S 83°25'23" E
C157	120.07'	746.50'	9°12'58"	119.94'	N 81°29'09" W
C158	40.98'	25.00'	93°52'28"	36.53'	S 46°58'08" W
C159	18.89'	523.50'	2°04'04"	18.89'	S 88°56'04" E
C160	40.12'	523.50'	4°23'28"	40.11'	S 85°42'18" E
C161	40.47'	523.50'	4°25'47"	40.46'	S 81°17'40" E
C162	20.12'	523.50'	2°12'07"	20.12'	S 77°58'44" E
C163	20.80'	746.50'	1°35'47"	20.80'	N 77°40'34" W
C164	40.61'	746.50'	3°07'02"	40.61'	N 80°01'58" W
C165	40.29'	746.50'	3°05'33"	40.29'	N 83°08'16" W
C166	18.37'	746.50'	1°24'36"	18.37'	N 85°23'20" W
C167	24.87'	25.00'	57°00'17"	23.86'	S 65°24'14" W
C168	16.09'	25.00'	36°52'12"	15.81'	S 18°28'00" W
C169	39.27'	25.00'	90°00'00"	35.36'	N 44°58'06" W
C170	16.56'	25.00'	37°56'45"	16.26'	N 70°59'44" W
C171	22.71'	25.00'	52°03'15"	21.94'	N 25°59'44" W
C172	39.27'	25.00'	90°00'00"	35.36'	N 45°01'54" E
C173	22.71'	25.00'	52°03'15"	21.94'	N 26°03'32" E
C174	16.56'	25.00'	37°56'45"	16.26'	N 71°03'32" E
C175	311.27'	780.00'	22°51'53"	309.21'	S 87°58'40" W
C176	229.62'	750.00'	17°32'29"	228.72'	S 89°21'38" E
C177	109.96'	770.00'	8°10'54"	109.86'	S 85°57'35" W
C178	70.73'	51.50'	78°41'22"	65.30'	S 50°37'25" E
C179	91.06'	51.50'	101°18'38"	79.65'	S 38°22'35" W
C180	38.14'	25.00'	87°25'16"	34.55'	N 54°39'27" W

Line Table

Line #	Direction	Length (ft)
L1	S 11°15'35" E	34.00'
L2	S 78°44'25" W (S 78°44'25" W)	40.74' (40.72')
L3	S 82°41'52" E [S 82°41'53" E]	4.66' [4.34']
L4	S 00°01'54" W	34.00'
L5	S 49°36'28" E	11.10'
L6	S 00°01'33" W (S 00°01'54" W)	199.81' (199.81')
L7	N 00°01'33" E (N 00°01'54" E)	201.55' (201.55')
L8	N 66°18'15" E	43.69'
L9	S 89°58'06" E	53.00'
L10	S 89°58'06" E	358.97'
L11	S 49°59'45" E	125.39'
L12	N 08°05'27" W	122.10'
L13	N 03°45'19" W	7.00'
L14	S 80°30'07" W	15.89'
L15	N 10°54'19" W	53.00'
L16	N 00°01'54" E	108.31'
L17	N 89°58'06" W	14.96'
L18	S 89°58'06" E	129.65'
L19	S 75°22'19" E	49.59'
L20	S 89°58'06" E	6.48'
L21	N 00°01'54" E	105.00'
L22	S 00°01'54" W	105.00'
L23	S 89°58'06" E	19.95'
L24	N 85°16'41" E	49.00'
L25	S 89°58'06" E	110.33'
L26	S 00°01'28" W	49.04'
L27	S 89°58'06" E	6.42'
L28	S 00°01'54" W	116.24'
L29	S 00°01'54" W	38.24'
L30	S 00°01'54" W	75.23'
L31	S 89°58'06" E	157.00'
L32	S 78°43'16" W	6.00'
L33	N 88°41'43" W	45.01'
L34	N 89°58'06" W	40.00'
L35	N 84°04'28" W	40.21'
L36	N 84°04'28" W	40.21'
L37	N 81°47'41" W	40.41'
L38	N 81°47'41" W	40.41'
L39	N 76°09'34" W	41.19'
L40	N 89°58'06" W	40.00'
L41	N 89°58'06" W	40.00'
L42	S 81°33'19" W	40.44'
L43	S 81°33'19" W	40.44'
L44	N 89°58'06" W	40.00'
L45	N 89°58'06" W	40.00'
L46	N 89°58'06" W	40.00'
L47	N 89°58'06" W	40.00'
L48	N 80°45'13" W	40.52'
L49	N 80°45'13" W	40.52'
L50	N 89°58'06" W	40.00'
L51	N 89°58'06" W	40.00'
L52	N 89°58'06" W	40.00'
L53	S 89°58'06" E	27.68'
L54	S 85°43'01" W	40.11'
L55	S 89°58'06" E	29.97'
L56	N 89°58'06" W	8.13'
L57	N 89°58'06" W	40.00'
L58	N 89°58'06" W	40.00'
L59	S 89°58'06" E	43.01'
L60	N 12°48'49" W	20.79'
L61	S 00°01'54" W	20.06'
L62	S 89°58'06" E	45.00'

Curve Table- Record

Curve #	Length	Radius
C1	(97.16')	(966.04')
C2	N/A	(3155.42')
C3	N/A	[1034.00']
C4	(203.77')	(1034.00')
C6	(47.12')	(30.00')
C8	(322.44')	(3087.42)
C9	[167.59']	[1281.12']
C10	[396.84']	[966.00']

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RECORD DRAWING

Plat for
Aspire Subdivision Unit 1
Being Comprised of
Tracts A-1-A and B-1
Anderson Heights, Unit 4
City of Albuquerque
Bernalillo County, New Mexico
January 2021

Curve Table

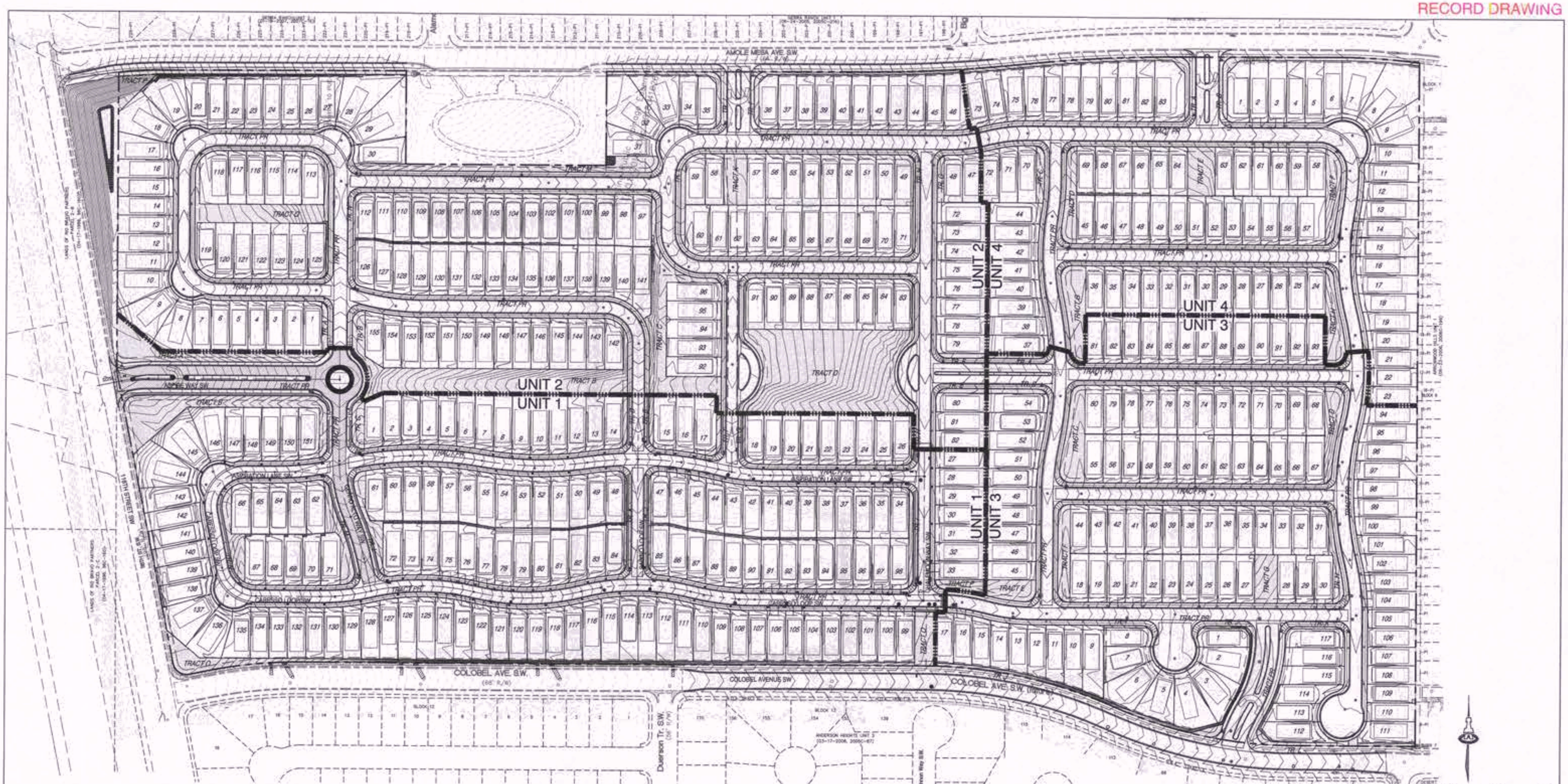
Curve #	Length	Radius	Delta	Chord Length	Chord Direction
C181	42.13'	25.00'	96°32'59"	37.32'	N 39°27'40" E
C182	42.06'	476.50'	5°03'28"	42.05'	N 87°15'04" E
C183	8.20'	476.50'	0°59'10"	8.20'	N 84°13'45" E
C184	52.36'	476.50'	6°17'44"	52.33'	N 86°53'02" E
C185	6.01'	756.50'	0°27'18"	6.01'	S 80°20'00" W
C186	2.09'	476.50'	0°15'06"	2.09'	N 89°54'21" E
C187	25.02'	51.50'	27°50'11"	24.78'	S 76°03'00" E
C188	45.71'	51.50'	50°51'11"	44.22'	S 36°42'20" E
C189	32.79'	51.50'	36°29'00"	32.24'	S 71°47'24" W
C190	58.27'	51.50'	64°49'39"	55.21'	S 21°08'05" W
C191	72.41'	326.50'	12°42'22"	72.26'	S 17°18'00" E
C192	89.58'	473.50'	10°50'22"	89.44'	N 18°14'00" W
C193	115.16'	300.00'	21°59'38"	114.45'	S 12°39'22" E
C194	8.85'	300.00'	1°41'27"	8.85'	S 00°48'50" E
C195	23.00'	25.00'	52°42'27"	22.20'	N 26°23'08" E
C196	91.41'	623.50'	8°23'59"	91.32'	N 85°49'55" E
C197	22.46'	25.00'	51°28'55"	21.72'	N 36°41'17" W
C198	15.68'	25.00'	35°56'20"	15.43'	N 80°23'55" W
C199	21.62'	623.50'	1°59'14"	21.62'	N 82°37'32" E
C200	40.15'	623.50'	3°41'22"	40.14'	N 85°27'50" E
C201	29.63'	623.50'	2°43'23"	29.63'	N 88°40'12" E
C202	329.33'	3155.42'	5°58'48"	329.18'	N 86°48'23" E
C203	36.92'	25.00'	84°36'45"	33.65'	S 50°07'11" E
C204	41.78'	756.50'	3°09'50"	41.77'	S 82°08'34" W
C205	40.07'	726.50'	3°09'36"	40.07'	N 86°39'05" E
C206	99.60'	526.50'	10°50'22"	99.46'	N 18°14'00" W
C207	61.25'	273.50'	12°49'51"	61.12'	S 17°14'15" E
C208	39.67'	25.00'	90°55'40"	35.84'	S 34°38'31" W
C209	40.14'	756.50'	3°02'26"	40.14'	S 85°14'42" W
C210	40.02'	756.50'	3°01'53"	40.02'	S 88°16'51" W
C211	40.01'	726.50'	3°09'18"	40.00'	N 89°48'33" E
C212	40.06'	726.50'	3°09'33"	40.05'	S 87°02'01" E
C213	40.01'	756.50'	3°01'50"	40.01'	N 88°41'17" W
C214	40.12'	756.50'	3°02'19"	40.11'	N 85°39'13" W
C215	40.34'	756.50'	3°03'18"	40.33'	N 82°36'24" W
C216	23.18'	25.00'	53°07'48"	22.36'	S 39°22'43" E
C217	13.74'	25.00'	31°28'56"	13.56'	S 81°41'06" E
C218	185.50'	523.50'	20°18'11"	184.54'	N 87°16'28" W
C219	223.79'	476.50'	26°54'32"	221.74'	N 89°25'21" E
C220	82.35'	623.50'	8°00'41"	82.25'	S 80°28'25" W
C221	37.07'	25.00'	84°56'52"	33.76'	N 42°30'20" E
C222	16.09'	25.00'	36°52'12"	15.81'	N 18°28'00" E
C223	20.98'	25.00'	48°04'40"	20.37'	N 60°56'26" E
C224	22.34'	523.50'	2°26'41"	22.34'	S 83°45'25" W
C225	40.59'	523.50'	4°26'34"	40.58'	S 80°18'48" W
C226	19.40'	523.50'	2°07'26"	19.40'	S 77°01'48" W
C227	21.63'	476.50'	2°36'03"	21.63'	N 77°16'07" E
C228	40.51'	476.50'	4°52'17"	40.50'	N 81°00'17" E
C229	40.12'	476.50'	4°49'26"	40.11'	N 85°51'09" E
C230	40.01'	476.50'	4°48'41"	40.00'	S 89°19'47" E
C231	40.19'	476.50'	4°49'59"	40.18'	S 84°30'27" E
C232	40.67'	476.50'	4°53'25"	40.66'	S 79°38'45" E
C233	0.65'	476.50'	0°04'40"	0.65'	S 77°09'43" E
C234	40.07'	523.50'	4°23'08"	40.06'	N 79°18'57" W
C235	40.25'	523.50'	4°24'19"	40.24'	N 83°42'41" W
C236	40.03'	523.50'	4°22'53"	40.02'	N 88°06'16" W
C237	40.05'	523.50'	4°23'00"	40.04'	S 87°30'48" W
C238	25.11'	523.50'	2°44'52"	25.10'	S 83°56'52" W
C239	40.94'	25.00'	93°50'03"	36.52'	N 46°53'08" W
C240	24.86'	25.00'	56°57'52"	23.84'	N 65°19'13" W
C241	16.09'	25.00'	36°52'12"	15.81'	N 18°24'12" W
C242	56.40'	746.50'	4°19'43"	56.39'	S 84°01'59" W
C243	18.39'	746.50'	1°24'40"	18.39'	S 85°29'31" W
C244	38.01'	746.50'	2°55'03"	38.01'	S 83°19'39" W
C245	236.81'	773.50'	17°32'29"	235.89'	S 89°21'38" E
C246	254.88'	756.50'	19°18'16"	253.68'	S 89°45'28" W
C247	2.27'	773.50'	0°10'07"	2.27'	N 81°57'11" E
C248	40.26'	773.50'	2°58'57"	40.26'	N 83°31'42" E
C249	40.08'	773.50'	2°58'08"	40.08'	N 86°30'15" E
C250	40.01'	773.50'	2°57'48"	40.00'	N 89°28'13" E
C251	40.04'	773.50'	2°57'57"	40.04'	S 87°33'54" E
C252	40.18'	773.50'	2°58'35"	40.18'	S 84°35'38" E
C253	33.96'	773.50'	2°30'57"	33.96'	S 81°50'52" E
C254	6.46'	756.50'	0°29'22"	6.46'	N 80°50'05" W
C255	22.88'	25.00'	52°25'44"	22.09'	N 26°14'46" E
C256	14.92'	25.00'	34°11'31"	14.70'	N 69°33'23" E
C257	26.31'	793.50'	1°53'58"	26.31'	S 85°42'10" W
C258	39.94'	793.50'	2°53'03"	39.94'	S 83°18'39" W
C259	0.34'	726.50'	0°01'36"	0.34'	N 81°52'55" E
C260	40.27'	726.50'	3°10'33"	40.26'	N 83°29'00" E
C261	258.65'	803.50'	18°26'37"	257.53'	N 89°48'42" W
C262	222.42'	726.50'	17°32'29"	221.55'	S 89°21'38" E
C263	37.80'	25.00'	86°37'15"	34.30'	N 43°20'31" E
C264	66.25'	793.50'	4°47'01"	66.23'	S 84°15'38" W
C265	39.09'	803.50'	2°47'15"	39.09'	S 82°21'37" W
C266	40.15'	803.50'	2°51'46"	40.14'	S 85°11'07" W
C267	40.03'	803.50'	2°51'16"	40.02'	S 88°02'38" W
C268	40.01'	803.50'	2°51'11"	40.00'	N 89°06'09" W
C269	40.09'	803.50'	2°51'31"	40.08'	N 86°14'48" W
C270	40.27'	803.50'	2°52'18"	40.27'	N 83°22'53" W
C271	19.01'	803.50'	1°21'21"	19.01'	N 81°16'04" W
C272	21.44'	726.50'	1°41'26"	21.44'	S 81°26'08" E
C273	40.23'	726.50'	3°10'23"	40.23'	S 83°52'04" E

Parcel Table

Parcel Name	Area (Acres)	Area (Sq. Ft.)
Lot 1	0.0997	4,343
Lot 2	0.1037	4,518
Lot 3	0.1015	4,423
Lot 4	0.1012	4,407
Lot 5	0.1026	4,471
Lot 6	0.1060	4,615
Lot 7	0.1110	4,837
Lot 8	0.1159	5,050
Lot 9	0.1188	5,176
Lot 10	0.1197	5,214
Lot 11	0.1185	5,164
Lot 12	0.1154	5,025
Lot 13	0.1107	4,824
Lot 14	0.1069	4,657
Lot 15	0.1308	5,696
Lot 16	0.1118	4,871
Lot 17	0.1404	6,117
Lot 18	0.0998	4,348
Lot 19	0.1010	4,399
Lot 20	0.1010	4,400
Lot 21	0.1010	4,400
Lot 22	0.1010	4,400
Lot 23	0.1010	4,400
Lot 24	0.1010	4,400
Lot 25	0.1010	4,400
Lot 26	0.1010	4,399
Lot 27	0.1010	4,400
Lot 28	0.1010	4,400
Lot 29	0.1010	4,400
Lot 30	0.1010	4,400
Lot 31	0.1010	4,400
Lot 32	0.1010	4,400
Lot 33	0.1010	4,400
Lot 34	0.1004	4,374
Lot 35	0.1010	4,400
Lot 36	0.1010	4,400
Lot 37	0.1010	4,400
Lot 38	0.1010	4,400
Lot 39	0.1010	4,400
Lot 40	0.1010	4,400
Lot 41	0.1011	4,402
Lot 42	0.1006	4,380
Lot 43	0.1009	4,397
Lot 44	0.1034	4,502
Lot 45	0.1055	4,594
Lot 46	0.1037	4,518
Lot 47	0.1009	4,397
Lot 48	0.1011	4,402
Lot 49	0.1021	4,447
Lot 50	0.1030	4,485
Lot 51	0.1025	4,464
Lot 52	0.1012	4,408
Lot 53	0.1017	4,432
Lot 54	0.1042	4,541
Lot 55	0.1057	4,604
Lot 56	0.1051	4,577
Lot 57	0.1059	4,611
Lot 58	0.1077	4,689
Lot 59	0.1075	4,683
Lot 60	0.1054	4,591
Lot 61	0.1016	4,428
Lot 62	0.1039	4,527
Lot 63	0.1029	4,483
Lot 64	0.1012	4,407
Lot 65	0.1010	4,400
Lot 66	0.1066	4,643
Lot 67	0.1126	4,903
Lot 68	0.1010	4,400
Lot 69	0.1010	4,400
Lot 70	0.1019	4,438
Lot 71	0.1079	4,699
Lot 72	0.1162	5,062
Lot 73	0.1067	4,646
Lot 74	0.1084	4,637
Lot 75	0.1091	4,750
Lot 76	0.1115	4,859
Lot 77	0.1129	4,919
Lot 78	0.1150	5,011
Lot 79	0.1170	5,098
Lot 80	0.1158	5,046
Lot 81	0.1116	4,861
Lot 82	0.1070	4,660
Lot 83	0.1048	4,567
Lot 84	0.1017	4,429
Lot 85	0.1018	4,434
Lot 86	0.1032	4,496
Lot 87	0.1036	4,511
Lot 88	0.1052	4,580
Lot 89	0.1048	4,568
Lot 90	0.1028	4,477
Lot 91	0.1010	4,400
Lot 92	0.1010	4,400
Lot 93	0.1010	4,400
Lot 94	0.1010	4,400
Lot 95	0.1010	4,400
Lot 96	0.1010	4,400
Lot 97	0.1010	4,400
Lot 98	0.1004	4,374
Lot 99	0.1010	4,400
Lot 100	0.1010	4,400
Lot 101	0.1010	4,400
Lot 102	0.1010	4,400
Lot 103	0.1010	4,400
Lot 104	0.1010	4,400
Lot 105	0.1010	4,400
Lot 106	0.1010	4,400
Lot 107	0.1010	4,400
Lot 108	0.1019	4,438
Lot 109	0.1050	4,572
Lot 110	0.1105	4,812
Lot 111	0.1181	5,145
Lot 112	0.1246	5,427
Lot 113	0.1279	5,571
Lot 114	0.1281	5,581
Lot 115	0.1252	5,455
Lot 116	0.1192	5,192
Lot 117	0.1111	4,838
Lot 118	0.1049	4,571
Lot 119	0.1017	4,431
Lot 120	0.1013	4,413
Lot 121	0.1037	4,518
Lot 122	0.1090	4,747
Lot 123	0.1163	5,066
Lot 124	0.1216	5,298
Lot 125	0.1238	5,393
Lot 126	0.1229	5,353
Lot 127	0.1189	5,177
Lot 128	0.1119	4,875
Lot 129	0.1055	4,596
Lot 130	0.1019	4,441
Lot 131	0.1010	4,400
Lot 132	0.1010	4,400
Lot 133	0.1010	4,400
Lot 134	0.1011	4,402
Lot 135	0.1180	5,141
Lot 136	0.1516	6,604
Lot 137	0.1739	7,575
Lot 138	0.1112	4,842
Lot 139	0.1103	4,803
Lot 140	0.1102	4,800
Lot 141	0.1102	4,800
Lot 142	0.1111	4,838
Lot 143	0.1333	5,807
Lot 144	0.2249	9,796
Lot 145	0.1938	8,440
Lot 146	0.1494	6,506
Lot 147	0.1074	4,678
Lot 148	0.1056	4,600
Lot 149	0.1056	4,600
Lot 150	0.1047	4,561
Lot 151	0.1137	4,954
Tract A	0.3183	13,866
Tract B	0.4486	19,539
Tract C	0.0617	2,687
Tract D	0.0236	1,027
Tract E	0.0242	1,055
Tract F	0.0186	809
Tract FD1	27.4813	1,197,085
Tract FD2	13.0971	570,510
Tract FD3	18.0624	787,669
Tract G	0.0108	469
Tract H	0.0109	476
Tract I	0.0436	1,901
Tract J	0.0223	970
Tract K	0.0223	970
Tract L	0.0996	4,339
Tract M	0.1082	4,712
Tract N	0.1020	4,443
Tract O	0.4916	21,424
Tract P	0.0589	2,565
Tract PR	5.9144	257,630

CSI-CARTESIAN SURVEYS INC.
P.O. BOX 44414 RIO RANCHO, N.M. 87174
Phone (505) 896 - 3050 Fax (505) 891 - 0244
wplotnerjr@gmail.com

RECORD DRAWING



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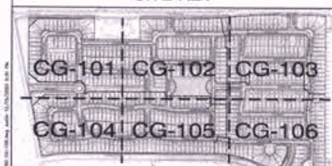


City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 01/04/21
BY: [signature]
Hydrotrans #: N05D006F

GENERAL NOTES

A. GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.

B. ALL SITE PREPARATION, GRADING OPERATIONS, FOUNDATION CONSTRUCTION, AND PAVEMENT INSTALLATION WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, WHICH WILL BE PROVIDED BY THE OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE NOTED IN THE PLANS, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

C. PROPOSED SPOT AND CONTOUR ELEVATIONS SHOWN REPRESENT TOP OF FINISH MATERIAL (I.E. TOP OF CONCRETE, TOP OF CONCRETE BUILDING PAD, TOP OF PAVEMENT MATERIAL, TOP OF LANDSCAPING MATERIAL, ETC.). CONTRACTOR SHALL GRADE, COMPACT SUBGRADE AND DETERMINE EARTHWORK ESTIMATES BASED ON ELEVATIONS SHOWN MINUS FINISH MATERIAL THICKNESSES.

D. IF FIELD GRADE ADJUSTMENTS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

E. THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE CITY OF ALBUQUERQUE REQUIRE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AN NDPES PERMIT FOR PROJECTS WHERE CONSTRUCTION ACTIVITIES MEET THE EPA THRESHOLD. (SWPPP, NPDES PERMIT BY OTHERS.). CONTRACTOR SHALL COORDINATE WITH OWNER TO DETERMINE WHO WILL PREPARE SWPPP AND INSPECT REQUIRED ELEMENTS.

F. ALL NEW PAVEMENT SURFACES SHALL BE CONSTRUCTED WITH POSITIVE SLOPE AWAY FROM BUILDINGS AND POSITIVE SLOPE TOWARD EXISTING AND/OR PROPOSED DRAINAGE PATHS. PAVING AND ROADWAY GRADES SHALL BE ±0.1' FROM PLAN ELEVATIONS. BUILDING PAD ELEVATION SHALL BE ±0.05' FROM PLAN ELEVATION.

G. WHERE GRADES BETWEEN NEW AND EXISTING ARE SHOWN AS 'MATCH' OR '±', TRANSITIONS SHALL BE SMOOTH.

H. PAD ELEVATIONS SHALL BE WITHIN 0.1±.

I. POND DESIGN PARAMETERS AND STORMWATER CONTROL MEASURES SHOWN ON THIS PLAN (TOP OF POND, BOTTOM OF POND, SIZE OF ORIFICE, AREA OF POND, ETC.) TO BE STRICTLY ADHERED TO FOR CERTIFICATION PURPOSES. SEE DETAIL SHEET FOR ADDITIONAL INFORMATION.

J. POST-CONSTRUCTION MAINTENANCE FOR PRIVATE STORMWATER FACILITIES WILL BE THE RESPONSIBLITY OF THE FACILITIES OWNER. ENGINEER RECOMMENDS THAT OWNER INSPECT SITE YEARLY AND AFTER EACH RAINFALL TO IDENTIFY NEW AREAS OF EROSION AND INSTALL ADDITIONAL EROSION PROTECTION AS NEEDED BASED ON ACTUAL OCCURRENCES.

K. EXISTING UTILITY LINES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND MAY BE INCOMPLETE OR OBSOLETE. SUCH LINES MAY OR MAY NOT EXIST WHERE SHOWN OR NOT SHOWN. CONTRACTOR SHALL CONTACT NM-811 FOR UTILITY LINE SPOTS FIVE WORKING DAYS PRIOR TO CONDUCTING SITE FIELD WORK. CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF NECESSARY DRY UTILITY ADJUSTMENTS.

L. FOR ENGINEER'S CERTIFICATION OF SUBSTANTIAL COMPLIANCE (FOR CERTIFICATE OF OCCUPANCY) CONTRACTOR SHALL PROVIDE AN AUTOCAD FORMAT AS-BUILT SURVEY PREPARED BY A LICENSED SURVEYOR WHICH INCLUDES:

L.A. AS-BUILT SPOT ELEVATIONS AT EACH DESIGN SPOT ELEVATION SHOWN ON THE APPROVED PLAN;

L.B. TOP AND BOTTOM ELEVATIONS AS REQUIRED TO DEFINE THE PERIMETER OF PONDS (TO BE USED BY ENGINEER TO CALCULATE AS-BUILT VOLUME PROVIDED);

L.C. ALL CONSTRUCTION, INCLUDING DRAIN INLETS, PIPES AND PONDS SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED PLAN IN ORDER TO RECEIVE ENGINEER'S CERTIFICATION.

M. UPON WRITTEN REQUEST, THE ELECTRONIC FILE OF THE GRADING AND DRAINAGE WILL BE PROVIDED TO THE CONTRACTOR FOR VERTICAL CONTROL.

N. SITE CONSTRUCTION LAYOUT / STAKING SHALL BE COORDINATED WITH THE OWNER.

VICINITY MAP

ASA M. NILSSON-WEBER · NEW MEXICO · 17631 · LICENSED PROFESSIONAL ENGINEER
08/21/20
12/15/20

Isaacson & Arfman, Inc.
Civil Engineering Consultants
128 Monroe Street NE
Albuquerque, NM 87108
505-268-8828 | www.iacivil.com

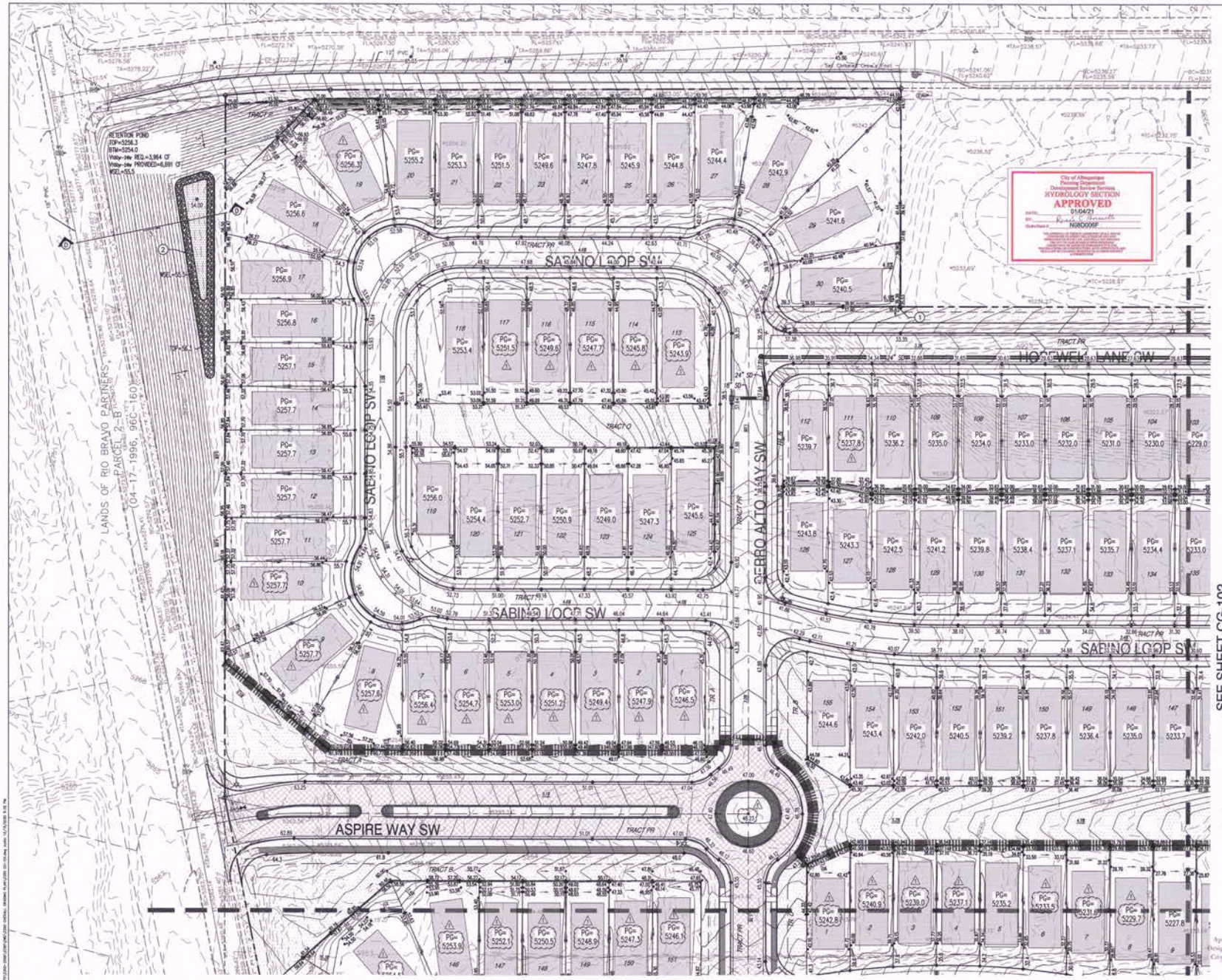
ASPIRE SUBDIVISION UNITS 1-4

SUCCESS LAND HOLDINGS, LLC

OVERALL GRADING & DRAINAGE PLAN

Date:	No.	Revision	Date	Job No.
08/2020	1	REVISED LOT GRADES	12/2020	2290
Drawn By: thor				CG-100
Ckd By: ANW				SH. OF

RECORD DRAWING



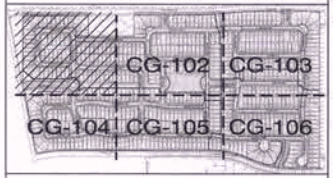
KEYED NOTES

1. TURN EVERY OTHER BLOCK OVER 10' TO PROVIDE OPENINGS FOR DRAINAGE.
2. GRADE RETENTION POND PER PLAN AT 3:1 SIDE SLOPES. DO NOT COMPACT POND BOTTOM. PLACE 1' THICK 6" AVG. DIA (4"-8") FRACTURED FACE ROCK OVER NON-WOVEN GEOTEXTILE FABRIC ON SIDE SLOPES FROM BOTTOM ELEV=54.0 TO TOP ELEV.=56.3. SEE SECTION D-D ON SHEET CG-501.

LEGEND

	EXISTING CONTOUR
+ 5233.34'	EXISTING SPOT ELEVATION
	PROPOSED CONTOUR
+ 30.63	PROPOSED SPOT ELEVATION
PG= 5240.5	PAD GRADE ELEVATION
	FLOW ARROW
	STORM DRAIN
	STORM INLET
	RETAINING WALL

SITE KEY



0 20 40 80 120

SCALE 1"=40'

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ASPIRE SUBDIVISION
UNITS 1-4

SUCCESS LAND HOLDINGS, LLC

GRADING & DRAINAGE PLAN 1

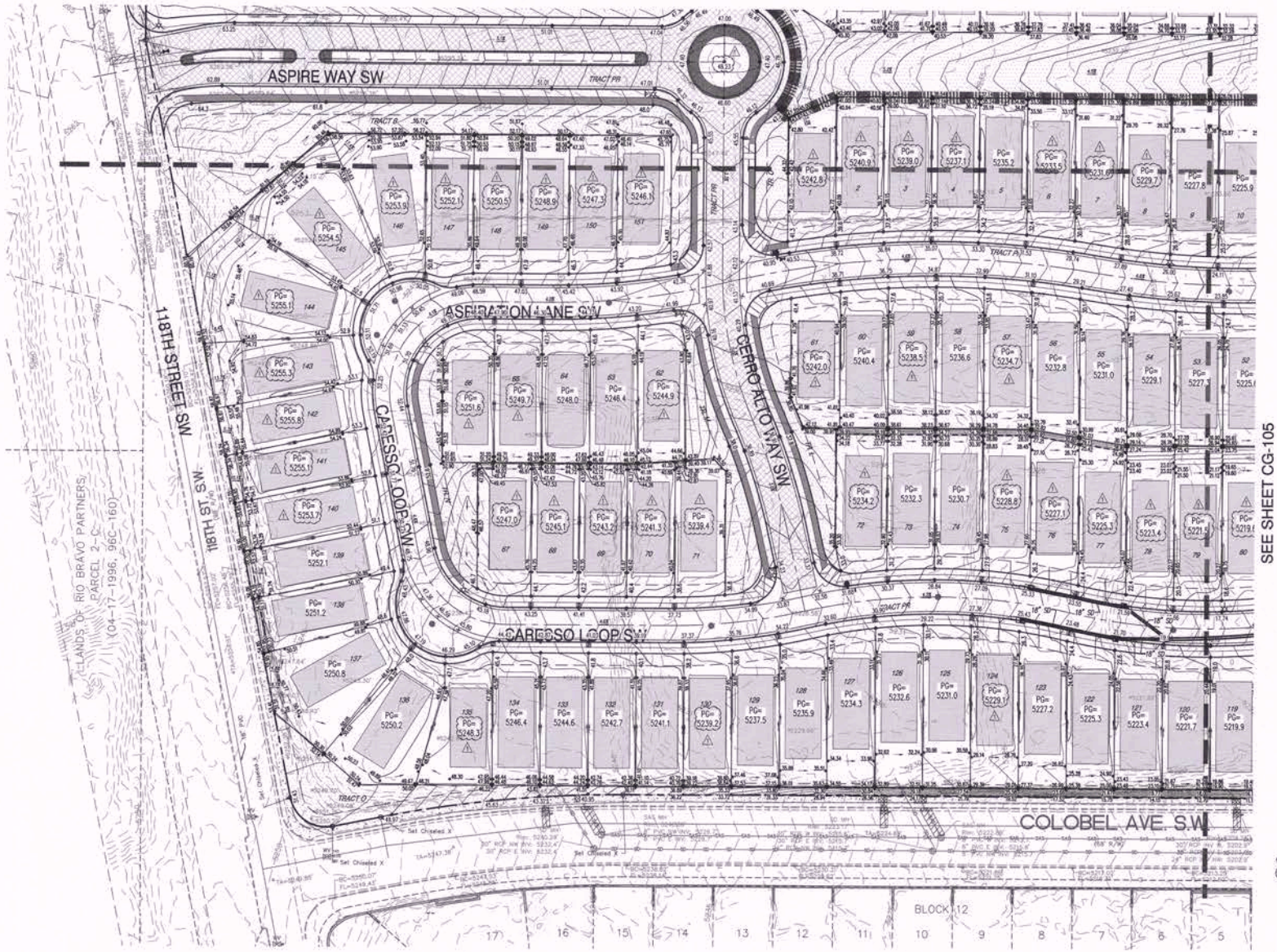
Date:	No.	Revision:	Date:	Job No.
08/2020	1.	REVISED LOT GRADES	12/2020	2290
Drawn By: thor				CG-101
Ckd By: ANW				SH. OF

Approved by Albuquerque
Design Review Committee
City Engineer

CPN# 757580 FOR INFORMATION ONLY SHEET 4 OF 37

RECORD DRAWING

SEE SHEET CG-101

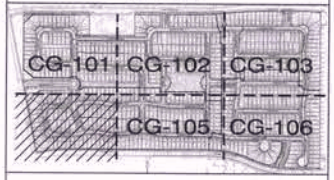


City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
01/04/21
Date:
By:
Hydrologist: N08D006F

LEGEND

- EXISTING CONTOUR
- 5233.34' EXISTING SPOT ELEVATION
- PROPOSED CONTOUR
- 30.63 PROPOSED SPOT ELEVATION
- PG= 5240.5 PAD GRADE ELEVATION
- FLOW ARROW
- STORM DRAIN
- STORM INLET
- RETAINING WALL
- DRIVEWAY LOCATION DESIGNATED TO AVOID CONFLICT WITH STORM INLETS

SITE KEY



0 20 40 80 120
SCALE 1"=40'

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ASPIRE SUBDIVISION
UNITS 1-4

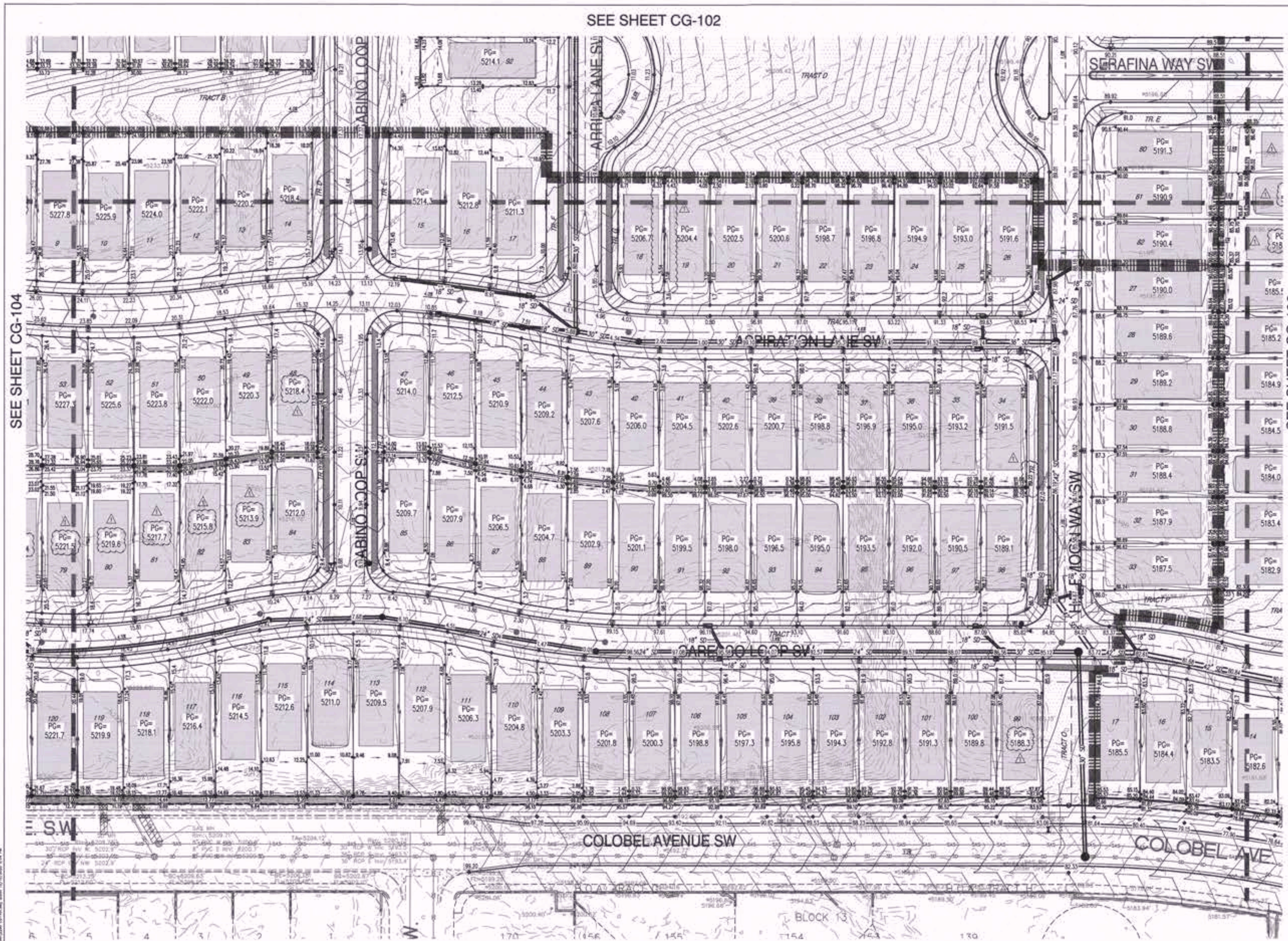
SUCCESS LAND HOLDINGS, LLC

GRADING & DRAINAGE PLAN 4

Date:	No.	Revision:	Date:	Job No.
08/2020	1	REVISED LOT GRADES	12/2020	2290
Drawn By: thor				CG-104
Ckd By: ANW				SH. OF

CPN# 757580 FOR INFORMATION ONLY SHEET 5 OF 37

RECORD DRAWING



City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 01/04/21
N08D006F

LEGEND

- - - - -	EXISTING CONTOUR
• 5233.34	EXISTING SPOT ELEVATION
———	PROPOSED CONTOUR
◆ 30.63	PROPOSED SPOT ELEVATION
PG= 5240.5	PAD GRADE ELEVATION
——→	FLOW ARROW
	STORM DRAIN
	STORM INLET
	RETAINING WALL
	DRIVEWAY LOCATION DESIGNATED TO AVOID CONFLICT WITH STORM INLETS

SITE KEY

CG-101 CG-102 CG-103
CG-104 CG-106

0 20 40 80 120
SCALE 1"=40'

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ASPIRE SUBDIVISION
UNITS 1-4

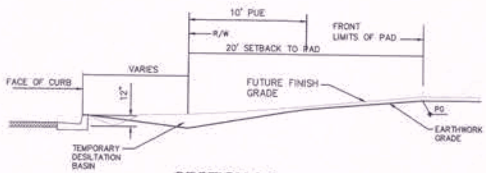
SUCCESS LAND HOLDINGS, LLC

GRADING & DRAINAGE PLAN 5

Date: 08/2020	No.	Revision:	Date:	Job No. 2290
Drawn By: thor	1	REVISED LOT GRADES	12/2020	CG-105
Ckd By: ANW				SH. OF

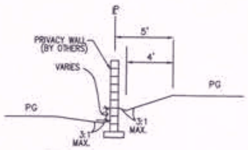
CPN# 757580 FOR INFORMATION ONLY SHEET 6 OF 37

RECORD DRAWING

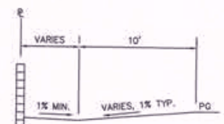


SECTION A-A
FRONT YARD GRADING
SCALE: 1"=5'-0"

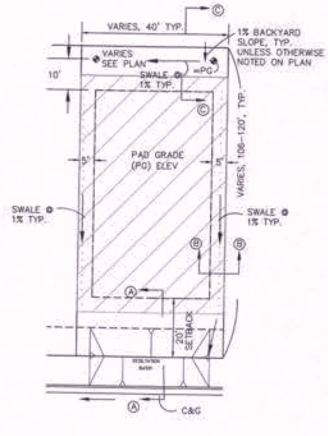
FRONT YARD GRADES AT COMMON LOT LINES SHALL BE AT FINISH GRADE TO SET WATER METERS AND DRY UTILITY EQUIPMENT.



SECTION B-B
TYPICAL SIDEYARD GRADING
SCALE: 1"=5'

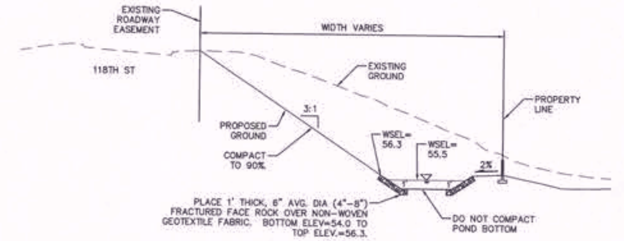


SECTION C-C
TYPICAL BACKYARD GRADING
SCALE: 1"=5'

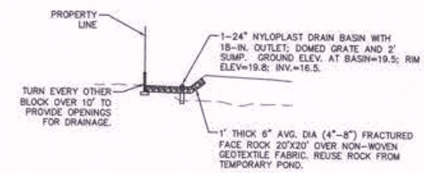


TYPICAL LOT GRADING DETAIL
SCALE: 1"=20'

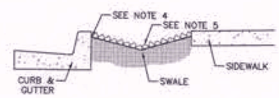
NOTE: 10' SIDEYARD SETBACK ADJACENT TO STREETS.



SECTION D-D
SCALES: 1"=20' (HORIZ.)
1"=10' (VERT.)



SECTION E-E
SCALES: 1"=20' (HORIZ.)
1"=10' (VERT.)



1. SWALE TO BE 6" DEEP WHEN THE DISTANCE BETWEEN BACK OF CURB AND THE SIDE WALK IS 5 FEET.
2. SWALE TO BE 1" DEEPER THAN THE DISTANCE IN FEET BETWEEN THE BACK OF CURB AND THE SIDEWALK FOR LANDSCAPE BUFFERS DIFFERENT THAN 5 FEET WIDE.
3. FOR WIDE LANDSCAPE BUFFERS, GREATER THAN 10 FEET, THE MAXIMUM DEPTH IS 10".
4. FINAL GRADE OF DIRT TO BE 1" TO 2" BELOW TOP OF CURB AND TOP OF SIDEWALK GRADE.
5. SURFACE BETWEEN BACK OF CURB AND SIDEWALK TO BE COVERED WITH GRAVEL MULCH (MINIMUM 2"), COBBLES OR RIP-RAP. DO NOT FILL ENTIRE SWALE.
6. A CHECK DAM WILL BE REQUIRED FOR SWALES ON STEEPER LONGITUDINAL SLOPES AND LONGER SECTIONS. THE ENGINEER WILL DETERMINE LOCATION.
7. LANDSCAPE FABRIC IS RECOMMENDED, BUT NOT REQUIRED, BETWEEN THE DIRT AND THE STONE. IF LANDSCAPE FABRIC IS TO BE USED, IT IS TO BE PERMEABLE.
8. DETAIL IS TO BE BUILT WITH ALL NEW HOME CONSTRUCTION. IN THE CASE WHERE SIDEWALK IS EXISTING AND THE LANDSCAPE BUFFER IS IMPROVED WITH LANDSCAPING AND/OR SOME FORM OF EROSION PROTECTION, THIS REQUIREMENT DOES NOT APPLY.

LANDSCAPE BUFFER SWALE
REVISION TO CITY STANDARD DRAWINGS 2405A & 2405B

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 01/04/21
N08D006F

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128 Monroe Street NE
Albuquerque, NM 87108
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ASA M. NILSSON-WEBER NEW MEXICO 17631 LICENSED PROFESSIONAL ENGINEER
08/21/20
12/15/20

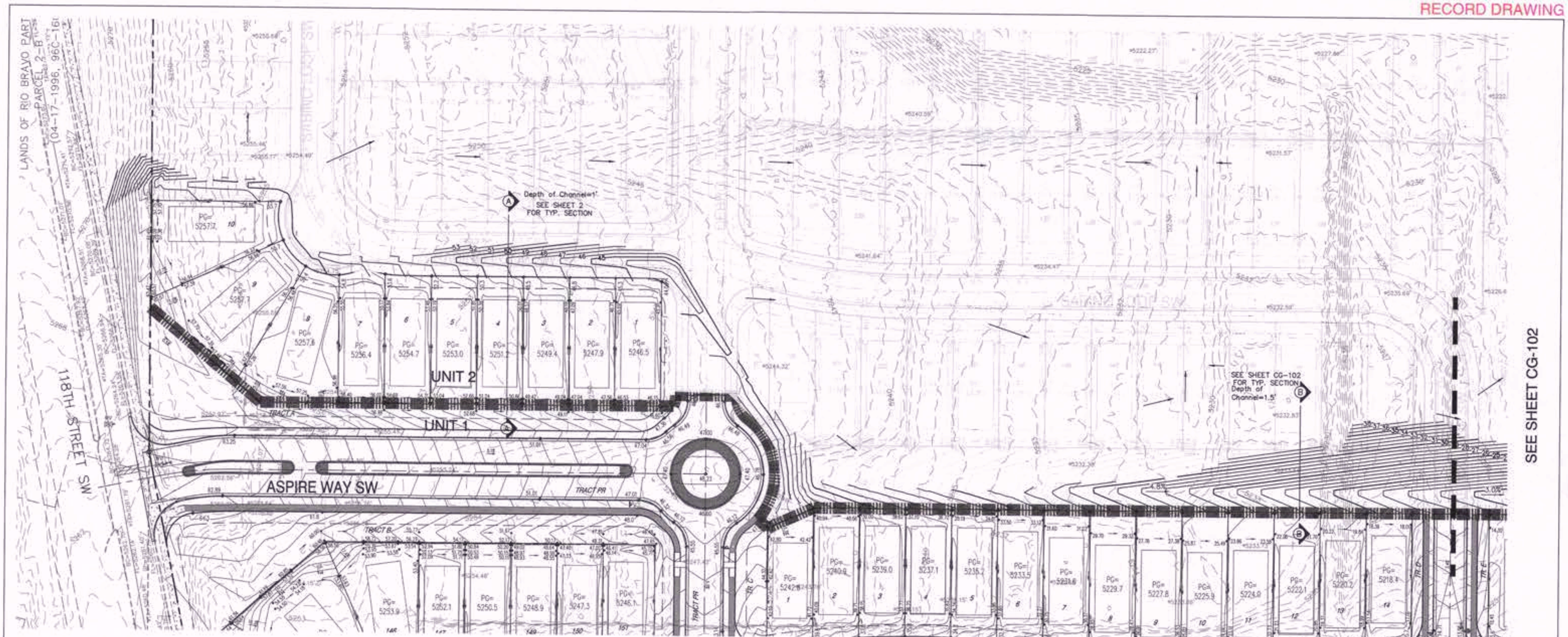
ASPIRE SUBDIVISION
UNITS 1-4

SUCCESS LAND HOLDINGS, LLC

GRADING & DRAINAGE DETAILS

Date:	No.	Revision:	Date:	Job No.
08/2020	1	REVISED LOT GRADES	12/2020	2290
Drawn By: thor				CG-501
Ckd By: ANW				SH. OF

RECORD DRAWING



STORM WATER QUALITY VOLUMES

UNIT 1 STORM WATER QUALITY VOLUMES (SWQV) IN-LIEU FEE SHALL BE PAID FOR THE VOLUME DISCHARGED TO THE EASEMENT STORM DRAIN SYSTEM.

THE REMAINING UNIT 1 SWQV SHALL BE PAID WITH UNIT 2 WHEN THE INTERIM POND IS FILLED IN AND THE CRESTONE STORM DRAIN SYSTEM IS CONSTRUCTED.

UNIT 1 STORMWATER QUALITY VOLUME

BASINS	AREA (AC.)	NO	WATER QUAL. DEPTH (IN.)	WATER QUAL. VOLUME (CF)	
INT-WEST	[illegible]	57.6	0.34	8,515	
			TOTAL INTERIM UNIT 1	8,515	IN-LIEU PAID WITH UNIT 1
TOTAL UNIT 1	24.2536	57.6	0.34	17,242	
			TOTAL ULTIMATE UNIT 1	17,242	
			REMAINDER UNIT 1	7,777	REMAINING IN-LIEU PAID WITH UNIT 2

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
01/07/21
N08D006F2

GENERAL NOTES

A. **UNDISTURBED AREAS:** PRIOR TO GRADING, BRUSH REMOVAL, OR SITE CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE DEVELOPER AT THE SITE TO ASCERTAIN THE AREAS OF THE PROJECT SITE THAT ARE TO BE PROTECTED AND PRESERVED.

B. **TESTING:** ALL EARTHWORK OPERATIONS SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER FOR CONFORMANCE WITH THE REQUIREMENTS SET FORTH IN THE GEOTECHNICAL STUDY.

C. **STRIPPING AND DEBRIS REMOVAL:** THE BUILDING PAD SITES, AREAS TO BE PAVED, AND ALL AREAS THAT ARE TO RECEIVE FILL MATERIAL SHALL BE STRIPPED OF VEGETATION, TREES, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIAL. THE DEPTH OF STRIPPING IS ESTIMATED TO BE ON THE ORDER OF SIX (6) INCHES IN ORDER TO REMOVE THE SURFACE SOIL CONTAINING ORGANIC MATERIAL. THE ACTUAL STRIPPING DEPTH SHALL BE BASED ON FIELD OBSERVATIONS. STRIPPED TOPSOIL SHALL BE STOCKPILED IN A LOCATION ON-SITE APPROVED BY THE DEVELOPER. ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE SHALL BE APPROPRIATELY DISPOSED OF OFF-SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED TO HAUL OR DISPOSE OF WAST PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS. ALL COSTS ASSOCIATED WITH DISPOSAL OF MATERIAL SHALL BE INCLUDED IN THE CONTRACT AMOUNT.

D. **PROOF ROLLING:** UPON COMPLETION OF STRIPPING OPERATIONS, AND PRIOR TO PLACEMENT OF ANY FILL MATERIALS, THE STRIPPED AREAS SHOULD BE OBSERVED TO DETERMINE IF ADDITIONAL EXCAVATION IS REQUIRED TO REMOVE WEAK OR OTHERWISE OBJECTIONABLE MATERIALS THAT WOULD ADVERSELY AFFECT THE FILL PLACEMENT. THE SUBGRADE SHOULD BE FIRM AND ABLE TO SUPPORT CONSTRUCTION EQUIPMENT WITHOUT DISPLACEMENT. SOFT OR YIELDING SUBGRADE SHOULD BE CORRECTED AND MADE STABLE BEFORE CONSTRUCTION PROCEEDS. PROOF ROLLING SHOULD BE PERFORMED USING A HEAVY PNEUMATIC TIRE ROLLER, LOADED DUMP TRUCK, OR SIMILAR PIECE OF EQUIPMENT WEIGHING AT LEAST 25 TONS. THE PROOF ROLLING OPERATIONS SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.

E. **UNSTABLE MATERIAL:** WHEN CLAY OR OTHER UNSTABLE MATERIAL IS PRESENT IN AREAS OF PROPOSED BUILDING PADS OR PAVED AREAS, THE GEOTECHNICAL ENGINEER SHALL OBSERVE THE STABILITY OF ANY EXISTING CLAY OR WEATHERED MATERIAL THAT IS PRESENT IN THE SUBBASE, AND SHALL DETERMINE WHETHER ADDITIONAL EXCAVATION OF THESE MATERIALS WILL BE REQUIRED. IF THIS MATERIAL IS DEEMED SUITABLE FOR SUBBASE MATERIAL, THE SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF EIGHT (8) INCHES, ITS MOISTURE CONTENT ADJUSTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER, AND THEN RE-COMPACTED TO ONE HUNDRED (100) PERCENT OF THE OPTIMUM DENSITY DETERMINED BY THE STANDARD PROCTOR TEST, ASTM D - 698 PRIOR TO PLACEMENT OF FILL MATERIALS.

F. **CONTROLLED FILL:** ALL SOILS USED FOR CONTROLLED FILL SHOULD BE FREE OF ROOTS, VEGETATION, AND OTHER DELETERIOUS OR UNDESIRABLE MATTER. ROCKS LESS THAN 4 INCHES IN LARGEST DIMENSION WITHIN 15" OF PROPOSED SUBGRADE ELEVATION, LESS THAN 6 INCHES IN SIZE FROM 15" TO 36" OF PROPOSED SUBGRADE ELEVATION, LESS THAN 12 INCHES IN SIZE FROM 36" TO 72" OF PROPOSED SUBGRADE ELEVATION, AND LESS THAN 18 INCHES IN LARGEST DIMENSION FOR FILLS IN EXCESS OF 72" FROM SUBGRADE ELEVATION, WILL BE ALLOWED AS ACCEPTABLE FILL MATERIAL. ROCK FILLS SHOULD BE SUPPLEMENTED WITH A SUFFICIENT AMOUNT OF FINE MATERIAL TO PREVENT VOIDS. SOILS IMPORTED FROM OFF-SITE FOR USE AS FILL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER. THE FILL MATERIAL SHOULD BE PLACED IN LEVEL, UNIFORM LIFTS, WITH EACH LIFT COMPACTED TO THE MINIMUM DRY DENSITY WITHIN THE COMPACTION SOIL MOISTURE RANGES RECOMMENDED. THE LOOSE LIFT THICKNESS SHOULD NOT EXCEED 10 INCHES. EACH LAYER SHOULD BE PROPERLY PLACED, MIXED, SPREAD, AND COMPACTED TO BETWEEN 95 AND 100 PERCENT OF STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D 698.

G. **PROPOSED GRADES:** THE PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATED ON THE GRADING PLAN ARE FINISHED GRADES AND CONTOURS ARE SHOWN AT ONE-FOOT INTERVALS UNLESS NOTED. SPOT ELEVATIONS SHOWN IN PAVED AREAS ARE FLOWLINE, UNLESS NOTED OTHERWISE.

H. **MASS GRADE ELEVATIONS:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR MASS GRADING OF THE SITE BASED ON THE THICKNESSES PROVIDED FOR HEAVY PAVEMENT, STANDARD PAVEMENT, SIDEWALK, LANDSCAPING, ETC.

I. **EARTHWORK QUANTITIES:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE EARTHWORK QUANTITIES BASED ON THE EXISTING CONTOURS SHOWN ON THESE PLANS. PROPOSED SPOT AND CONTOUR ELEVATIONS SHOWN REPRESENT TOP OF FINISH MATERIAL (I.E. TOP OF CONCRETE, TOP OF BUILDING PAD, TOP OF PAVEMENT MATERIAL, TOP OF LANDSCAPING MATERIAL, ETC.). CONTRACTOR SHALL GRADE, COMPACT SUBGRADE AND DETERMINE EARTHWORK ESTIMATES BASED ON PROPOSED ELEVATIONS SHOWN MINUS FINISH MATERIAL THICKNESSES.

J. **TRANSITION TO EXISTING:** WHERE GRADES BETWEEN NEW AND EXISTING ARE SHOWN AS 'MATCH' OR 'x', TRANSITIONS SHALL BE SMOOTH.

K. **STORMWATER FACILITIES:** POND DESIGN PARAMETERS AND STORMWATER CONTROL MEASURES SHOWN ON THIS PLAN (TOP OF POND, BOTTOM OF POND, AREA OF POND, ETC.) TO BE STRICTLY ADHERED TO FOR CERTIFICATION PURPOSES. POST-CONSTRUCTION MAINTENANCE FOR PRIVATE STORMWATER FACILITIES WILL BE THE RESPONSIBLITY OF THE FACILITIES OWNER. PERIODIC INSPECTION AND CERTIFICATIONS OF THE FACILITIES MAY BE REQUIRED. ENGINEER RECOMMENDS THAT OWNER INSPECT SITE YEARLY AND AFTER EACH RAINFALL TO IDENTIFY NEW AREAS OF EROSION AND INSTALL ADDITIONAL EROSION PROTECTION AS NEEDED.

L. **AS-BUILT SURVEY:** FOR ENGINEER'S CERTIFICATION OF SUBSTANTIAL COMPLIANCE, CONTRACTOR SHALL PROVIDE AN AUTOCAD FORMAT AS-BUILT SURVEY PREPARED BY A LICENSED SURVEYOR WHICH INCLUDES:

- AS-BUILT SPOT ELEVATIONS AT DESIGN SPOT ELEVATION SHOWN ON THE APPROVED GRADING & DRAINAGE PLAN;
- TOP AND BOTTOM AREAS AND ELEVATIONS AS REQUIRED TO CONFIRM THE VOLUMES OF PONDS;
- ALL CONSTRUCTION, INCLUDING PONDS SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED PLAN IN ORDER TO RECEIVE ENGINEER'S CERTIFICATION.

N. **ELECTRONIC FILES:** UPON WRITTEN REQUEST COORDINATED THROUGH THE PROJECT ENGINEER, THE ELECTRONIC FILE OF THE GRADING AND DRAINAGE MAY BE PROVIDED TO THE CONTRACTOR FOR VERTICAL CONTROL.

LEGEND

Symbol	Description
— — — —	EXISTING CONTOUR
• 5233.34'	EXISTING SPOT ELEVATION
———	PROPOSED CONTOUR
• 30.83	PROPOSED SPOT ELEVATION
PG= 5240.5	PAD GRADE ELEVATION
——→	FLOW ARROW
——●——	STORM DRAIN
	STORM INLET
— — —	RETAINING WALL
	DRIVEWAY LOCATION DESIGNATED TO AVOID CONFLICT WITH STORM INLETS

0 20 40 80 120
SCALE 1"=40'

ASA M. NILSSON-WEBER
NEW MEXICO
17631
LICENSED PROFESSIONAL ENGINEER
12/14/20

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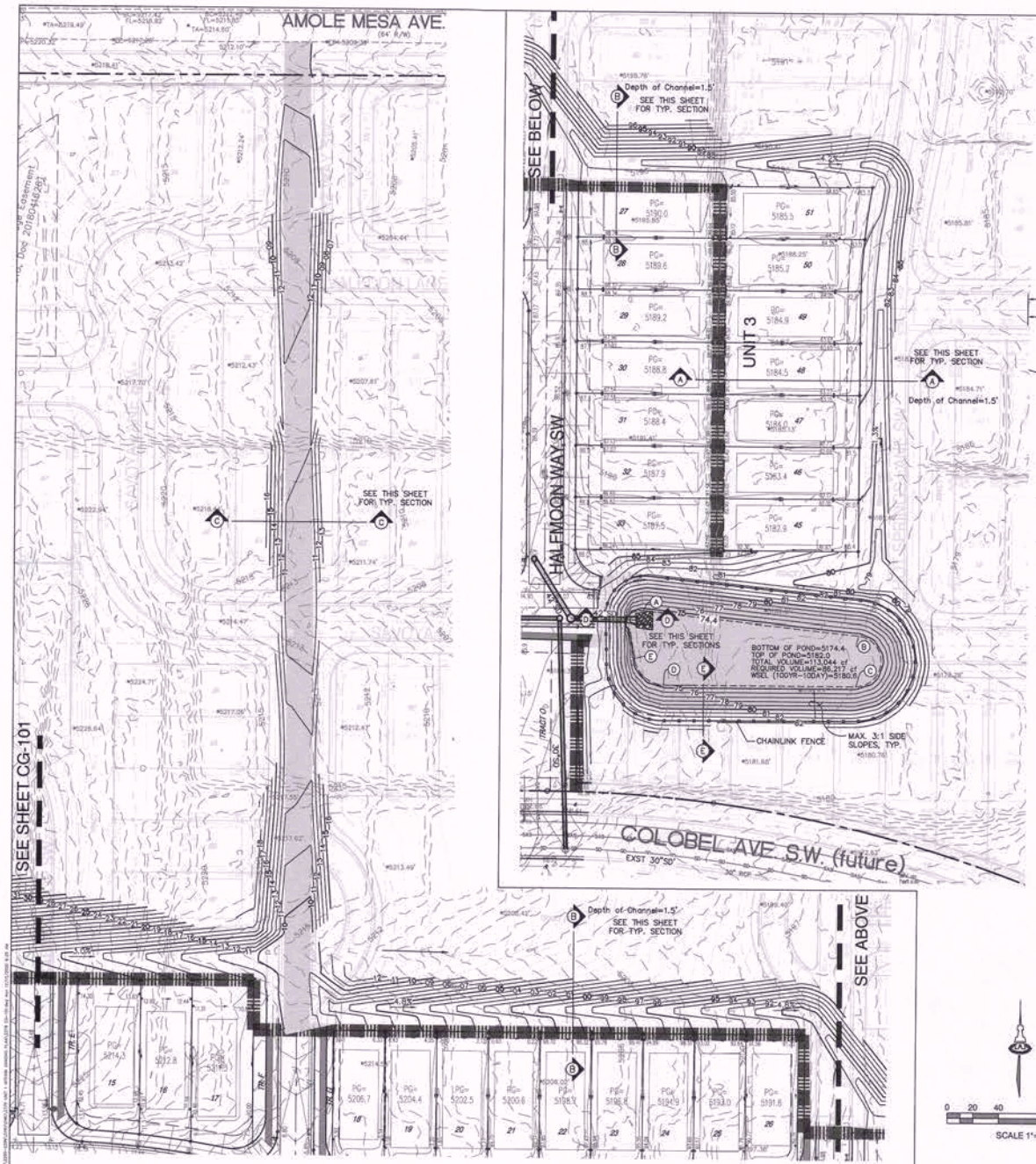
ASPIRE SUBDIVISION
UNIT 1 INTERIM GRADING PLAN
HERITAGE TRAILS DEVELOPMENT I, LLC

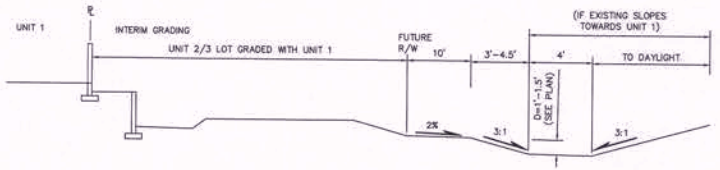
NORTHWEST EDGE

Approved by Albuquerque Design Review Committee City Engineer

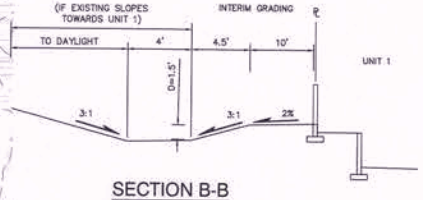
Date: 12/2020	No.	Revision	Date	Job No. 2379
Drawn By: thor				CG-101
Ckd By: ANW				SH. OF

RECORD DRAWING

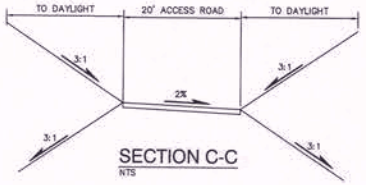




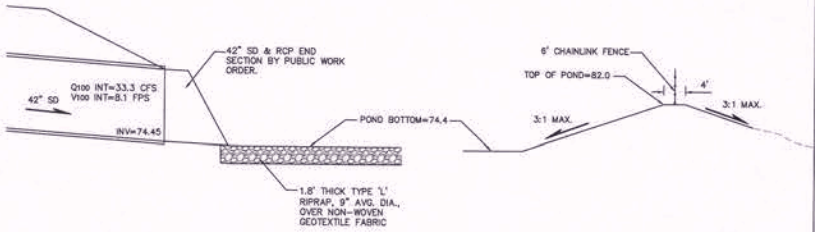
SECTION A-A
NTS



SECTION B-B
NTS

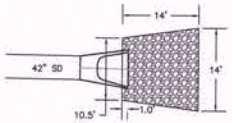


SECTION C-C
NTS



SECTION D-D
NTS

SECTION E-E
NTS



EROSION PROTECTION LIMITS
NTS

GRADING NOTES

A. GRADE POND AND CHANNEL SIDE SLOPES AT 3:1 MAX AND COMPACT TO 90%.

B. DO NOT COMPACT POND BOTTOM.

POND BOTTOM COORDINATES			
A	X = 1491193.02	Y = 1468019.29	Z = 5174.4
B	X = 1491360.48	Y = 1468001.53	Z = 5174.4
C	X = 1491358.43	Y = 1467962.64	Z = 5174.4
D	X = 1491210.26	Y = 1467962.70	Z = 5174.4
E	X = 1491186.57	Y = 1467982.90	Z = 5174.4

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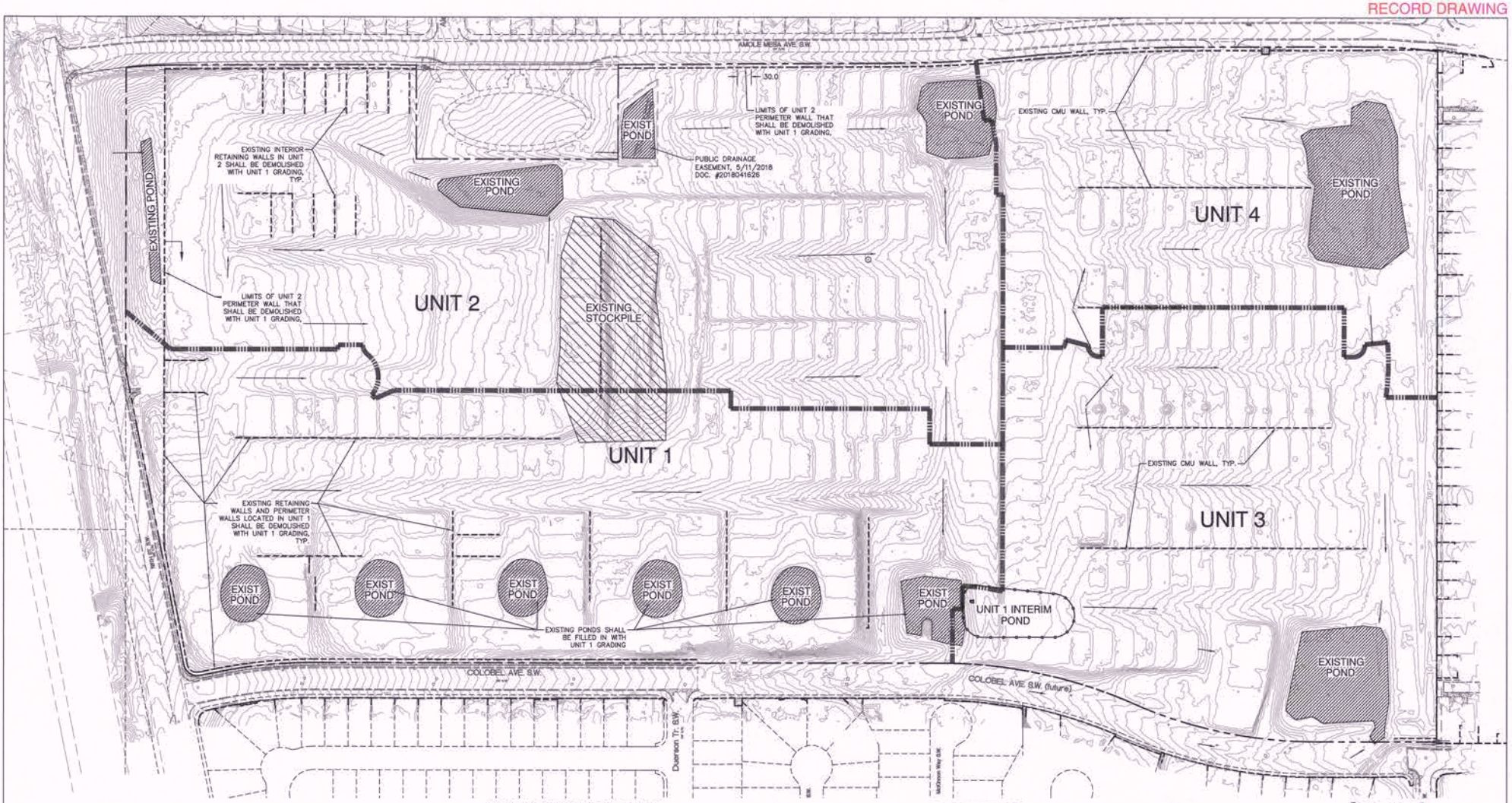
ASPIRE SUBDIVISION
UNIT 1 INTERIM GRADING PLAN
HERITAGE TRAILS DEVELOPMENT I, LLC

EAST EDGE & DETAILS

Date:	No.	Revision:	Date:	Job No.
12/2020				2379
Drawn By: thor				CG-102
Ckd By: ANW				SH. OF

RECORD DRAWING



WALL DEMOLITION NOTES

1. ALL WALLS SHALL TO BE DEMOLISHED WITH UNIT 1 ARE NOTED ON PLAN. REMAINING WALLS SHALL REMAIN IN PLACE.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS WITHIN THE CONTRACT LIMITS AND NOTIFY THE ENGINEER IN WRITING OF ANY DEVIATION FROM CONTRACT DOCUMENTS NECESSITATED BY FIELD CONDITIONS OR ITEMS NOT COVERED.
3. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER.
4. THOROUGHLY CLEAN ADJACENT AREAS OF DEBRIS CAUSED BY DEMOLITION WORK.
5. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE WALLS TO REMAIN.
6. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING, SHORING, SCAFFOLDING, ETC., WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
7. CONTRACTOR SHALL REVIEW ALL WALLS TO BE DEMOLISHED WITH OWNER TO IDENTIFY ANY ITEMS TO BE SALVAGED AND DETERMINE SALVAGE LOCATION. UNSALVAGEABLE WALL BLOCKS AND FOOTINGS SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED.

POND NOTES

1. ALL PONDS TO BE FILLED IN WITH UNIT 1 ARE NOTED ON PLAN. REMAINING PONDS SHALL REMAIN IN PLACE AND NOT BE DISTURBED.

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE 01/07/21
BY Randy Brissette
DRAINAGE FILE N08D008F2

NTS

ASA W. NILSSON-WEBER
NEW MEXICO
17531
PROFESSIONAL ENGINEER
12/14/20

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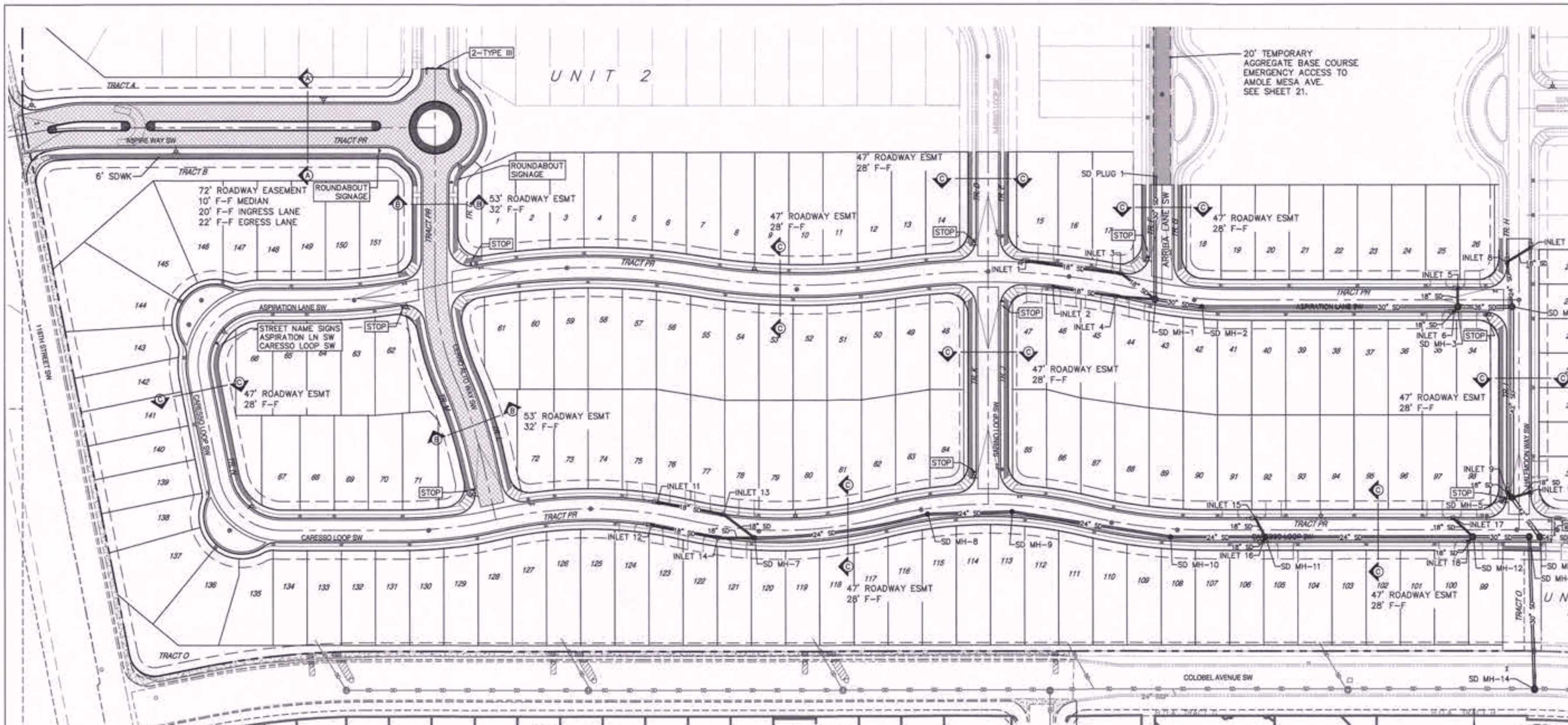
ASPIRE SUBDIVISION
UNIT 1 INTERIM GRADING PLAN
HERITAGE TRAILS DEVELOPMENT I, LLC

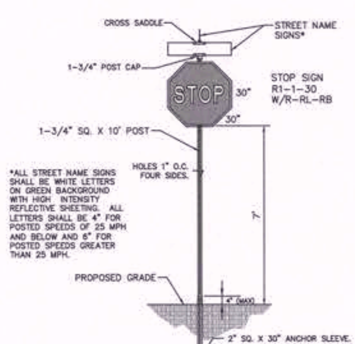
EXISTING POND AND WALL PLAN

Date	No.	Revision:	Date	Job No.
12/2020				2379
Drawn By: thor				CG-103
Ckd By: ANW				SH. OF

CPN# 757580 FOR INFORMATION ONLY SHEET 10 OF 37

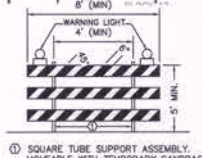
RECORD DRAWING





STOP & STREET NAME SIGNS AND SIGN POST DETAIL

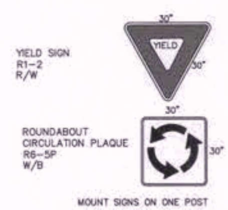
NTS



① SQUARE TUBE SUPPORT ASSEMBLY. MOVEABLE WITH TEMPORARY SANDBAGS (8 MIN.) COUNTER WEIGHT.

TYPE III BARRICADE

NTS E. END CARESSO LOOP; N. END CERRO ALTO WAY



ROUNDABOUT SIGNAGE

NTS

LEGEND

- EXISTING STREET IMPROVEMENTS
- PROPOSED STD CURB & GUTTER
- DEFERRED SIDEWALK (BY HOME BUILDER)
- SIDEWALK THIS CONTRACT
- WHEEL CHAIR RAMP
- VALLEY GUTTER
- DRIVEWAY
- CROWN TO NO-CROWN TRANSITION
- 4" MAJOR LOCAL PAVING SECTION
- 20 — LOT NO.
- PROPOSED STREET LIGHT-SEE SHEETS XX-XX
- STORM DRAIN INLET
- STORM DRAIN MANHOLE
- STOP — STOP & STREET NAME SIGNS
- STREET NAME — STREET NAME SIGNS
- ROUNDABOUT SIGNAGE — ROUNDABOUT SIGNAGE
- 2-TYPE III — 2-TYPE III BARRICADES
- WATER METER
- SAS MANHOLE

COLOBEL AVE. UNDEVELOPED TO BE CONSTRUCTED WITH UNIT 3

0 30 60 120 180
SCALE 1"=60'

GENERAL PAVING NOTES

A. SEE SHEET 12 FOR STREET SECTIONS AND DETAILS.

B. CONSTRUCT 4" MAJOR LOCAL ASPHALT PAVING IN CROSS-HATCHED AREAS PER COA STD DWG 2405B.

C. CONSTRUCT 3" LOCAL ASPHALT PAVING IN ALL OTHER STREETS PER COA STD DWG 2405A.

D. CONSTRUCT SIDEWALKS PER COA STD DWG 2430. ALL INTERIOR SIDEWALKS ARE 5' WIDE, EXCEPT AT ASPIRE WAY WHERE SIDEWALK IS 6' WIDE AS NOTED ON PLAN.

E. SIDEWALKS FRONTING LOTS ARE DEFERRED (SEE LEGEND);

F. CONSTRUCT STANDARD CURB PER COA STD DWG 2415A.

G. CONSTRUCT CROWN-NO CROWN TRANSITION PER COA STD DWG 2401.

H. REMOVE & REPLACE PAVING FOR UTILITY CONSTRUCTION PER COA STD DWG 2465.

I. ALL STREETS AND STORM DRAIN SHALL BE PRIVATELY MAINTAINED.

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1

MASTER PAVING & SIGNAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR	Mo./DAY/YR
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021			

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	11	37

AS-BUILT INFORMATION: CONTRACTOR SALLS; WORK VERIFIED BY CARTESIAN SURVEYS DATE 2/24/22; INSPECTOR'S ACCEPTANCE BY SPINELLO-DCS; FIELD VERIFICATION BY CARTESIAN SURVEYS; DRAWINGS CORRECTED BY; DATE

MICRO-FILM INFORMATION: RECORDED BY; DATE; NO.

BENCH MARKS: AGRS MONUMENT AND BENCHMARK "1-N8"; N=1470741.879 ; E=1488701.82; G-G=0.999676466; Δα=-00°17'27.70"; CENTRAL ZONE; ELEVATION=5307.25 (NAD83/NAVD88)

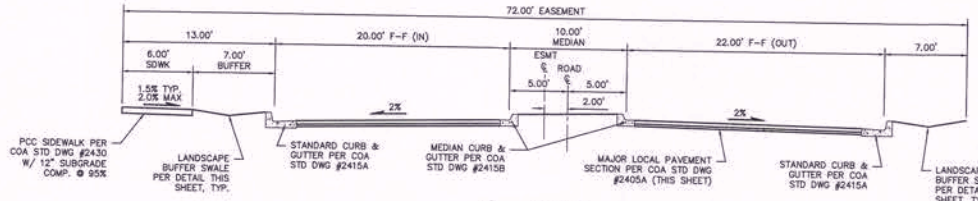
SURVEY INFORMATION: FIELD NOTES 1; CS-CARTESIAN SURVEYS INC. 02/2020

ENGINEER'S SEAL: ISA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER, 02/23/21

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

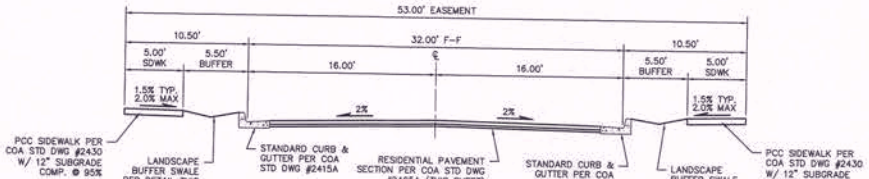
	BY	DATE
DESIGNED BY	ANW	02/2021
DRAWN BY	thor	02/2021
CHECKED BY	ANW	02/2021

RECORD DRAWING



SECTION A-A

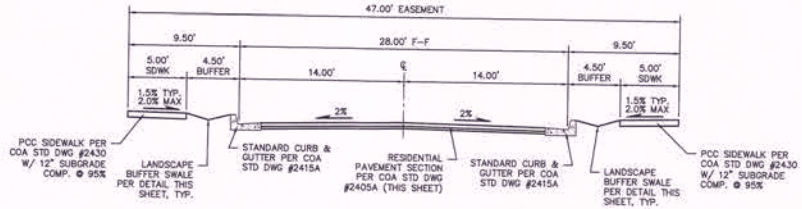
SCALE: 1"=5'
(ASPIRE WAY)



SECTION B-B

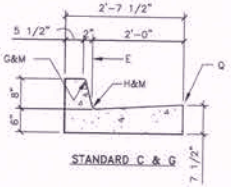
SCALE: 1"=5'
(CERRO ALTO WAY)

** MAJOR LOCAL PAVEMENT SECTION PER COA STD DWG #2405B IN ASPIRE WAY AND CERRO ALTO WAY



SECTION C-C

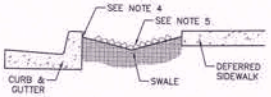
SCALE: 1"=5'
(ASPIRATION LANE, CARESSO LOOP, SABINO LOOP, ARRIBA LANE, HALFMOON WAY)



STANDARD C & G

STANDARD CURB & GUTTER

SEE COA STD DWG #2415A & 2415B FOR GENERAL NOTES AND CONSTRUCTION NOTES



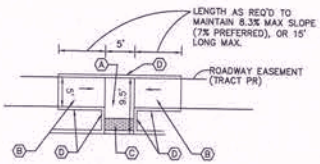
1. SWALE TO BE 6" DEEP WHEN THE DISTANCE BETWEEN BACK OF CURB AND THE SIDE WALK IS 5 FEET.
2. SWALE TO BE 1" DEEPER THAN THE DISTANCE IN FEET BETWEEN THE BACK OF CURB AND THE SIDEWALK FOR LANDSCAPE BUFFERS DIFFERENT THAN 5 FEET WIDE.
3. FOR WIDE LANDSCAPE BUFFERS, GREATER THAN 10 FEET, THE MAXIMUM DEPTH IS 10".
4. FINAL GRADE OF DIRT TO BE 1" TO 2" BELOW TOP OF CURB AND TOP OF SIDEWALK GRADE.
5. SURFACE BETWEEN BACK OF CURB AND SIDEWALK TO BE COVERED WITH GRAVEL MULCH (MINIMUM 2"), COBBLES OR RIP-RAP. DO NOT FILL ENTIRE SWALE.
6. A CHECK DAM WILL BE REQUIRED FOR SWALES ON STEEPER LONGITUDINAL SLOPES AND LONGER SECTIONS. THE ENGINEER WILL DETERMINE LOCATION.
7. LANDSCAPE FABRIC IS RECOMMENDED, BUT NOT REQUIRED, BETWEEN THE DIRT AND THE STONE. IF LANDSCAPE FABRIC IS TO BE USED, IT IS TO BE PERMEABLE.
8. DETAIL SHALL BE CONSTRUCTED WITH ALL NEW CONSTRUCTION. IN THE CASE WHERE SIDEWALK IS EXISTING AND THE LANDSCAPE BUFFER IS IMPROVED WITH LANDSCAPING AND/OR SOME FORM OF EROSION PROTECTION, THIS REQUIREMENT DOES NOT APPLY.

LANDSCAPE BUFFER SWALE

REVISION TO CITY STANDARD DRAWINGS 2405A & 2405B

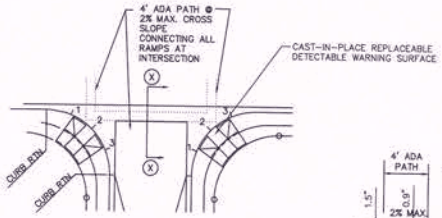
SWALE @ DEFERRED SIDEWALKS SHALL BE CONSTRUCTED BY HOME BUILDER---NOT PART OF CERTIFICATION FOR PWO.

NOTE:
ALL SIDEWALKS FRONTING LOTS ARE DEFERRED.



ADA ACCESSIBLE RAMP DETAIL 'A'

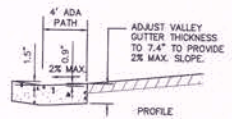
SCALE: 1" = 10'



NOTE:
QUARTER POINT GRADES ARE REFERENCED AS 1, 2 & 3 ALONG THE FACE OF CURB IN A CLOCKWISE DIRECTION.

QUARTER POINT AND ADA PATH DETAIL

NTS



VALLEY GUTTER MODIFICATION ADA PATH SECTION X-X

1"=4' HOR.
1"=2' VERT.

ADA RAMP KEYED NOTES

A. PCC LANDING AREA AT 1.5% PREFERRED SLOPE; 2% MAX. SLOPE IN ALL DIRECTIONS.

B. PCC RAMP AT 8.3% MAX. SLOPE OR 15' LONG (MAX.), 7% PREFERRED SLOPE, AND CROSS SLOPE AT 2% MAX., 1.5% PREFERRED.

C. 2' DETECTABLE WARNING SURFACE (CAST-IN-PLACE REPLACEABLE).

D. 6" HEADER CURB PER COA STD DWG #2415B.

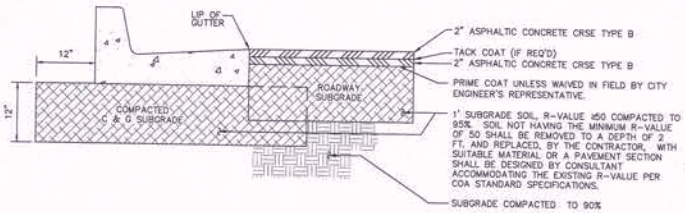
E. TRANSITION CURB HEIGHT TO 0" AT BOTTOM OF RAMP.

GENERAL NOTES

1. SEE COA STD DWG #2426 FOR CONSTRUCTION NOTES.
2. CONTRACTOR SHALL NOTIFY ENGINEER FOR INSPECTION OF FORM-WORK 24 HOURS PRIOR TO PLACEMENT OF CONCRETE FOR ADA RAMPS.

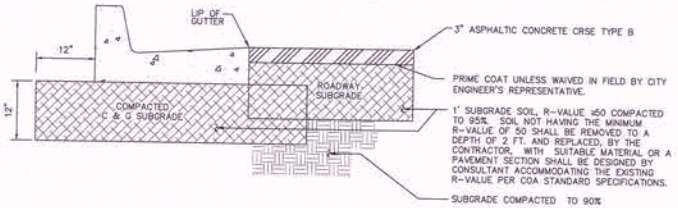
DETECTABLE WARNING SURFACE (DWS)

1. DESIGN PER ADA ACCESSIBILITY GUIDELINES (ADAAG).
2. DWS SHALL BE CAST-IN-PLACE REPLACEABLE.
3. PAYMENT FOR DWS IS INCIDENTAL TO ADA ACCESSIBLE RAMP PAYMENT ITEM.
4. SUBMIT SPECS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.



MAJOR LOCAL PAVING SECTION

SCALE: 1"= 1'-0"
(PER COA STD DWG # 2405B)



RESIDENTIAL PAVING SECTION

SCALE: 1"= 1'-0"
(PER COA STD DWG # 2405A)

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Albuquerque, NM 87108
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AS-BUILT INFORMATION
CONTRACTOR: SALLS
WORK PERFORMED BY: CARTESIAN SURVEYS DATE: 2/24/22
FIELD VERIFICATION BY: SPINELLO-DCS DATE: 2/24/22
DRAWINGS BY: CARTESIAN SURVEYS DATE:

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.879 ; E=1468701.82
G-O=0.999676466
Δa=00°12'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

MICRO-FILM INFORMATION
RECORDED BY:
DATE:
NO.:

SURVEY INFORMATION
FIELD NOTES: 02/2020
1 CS-CARTESIAN SURVEYS INC.

ENGINEER'S SEAL
ASA M. NILSSON
NEW MEXICO
17631
REGISTERED PROFESSIONAL ENGINEER
02/23/21

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	AJW	DATE	02/2021
DRAWN BY	thor	DATE	02/2021
CHECKED BY	AJW	DATE	02/2021

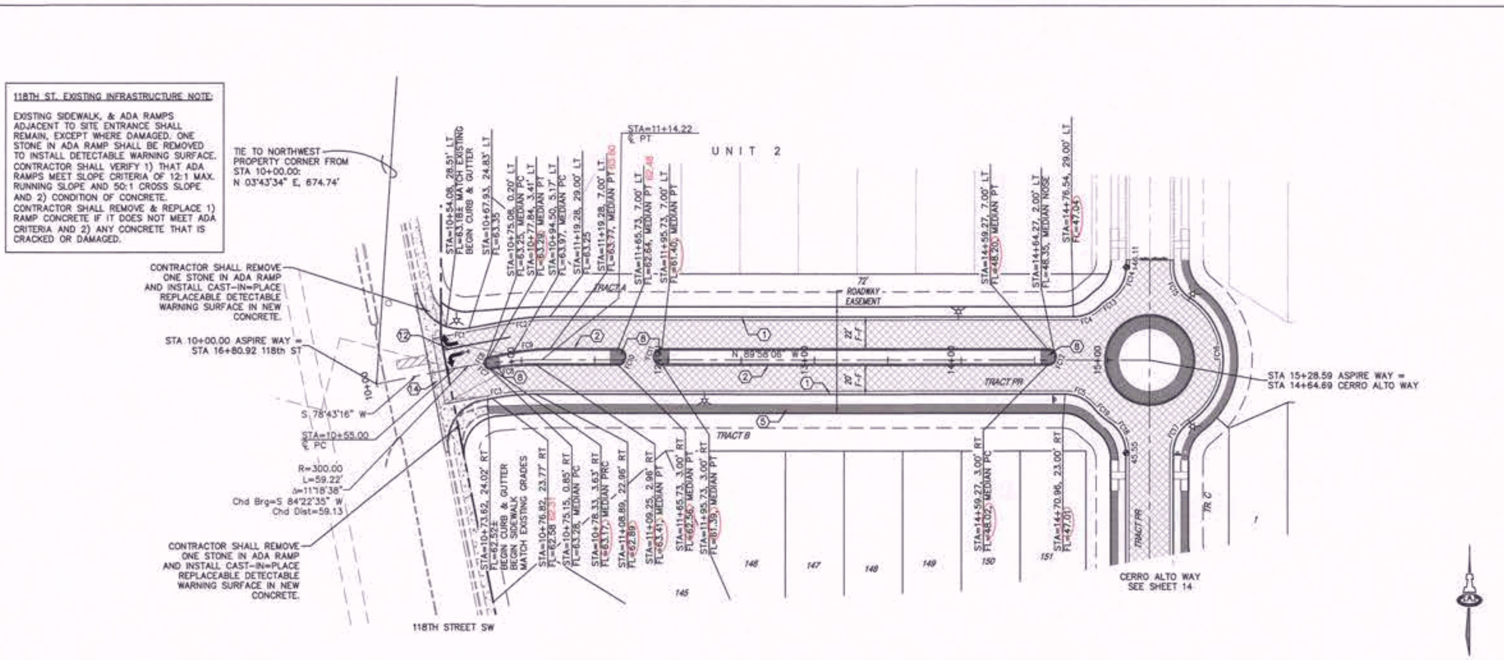
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1

STREET SECTIONS AND DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR	Mo./DAY/YR
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 12 Of 37

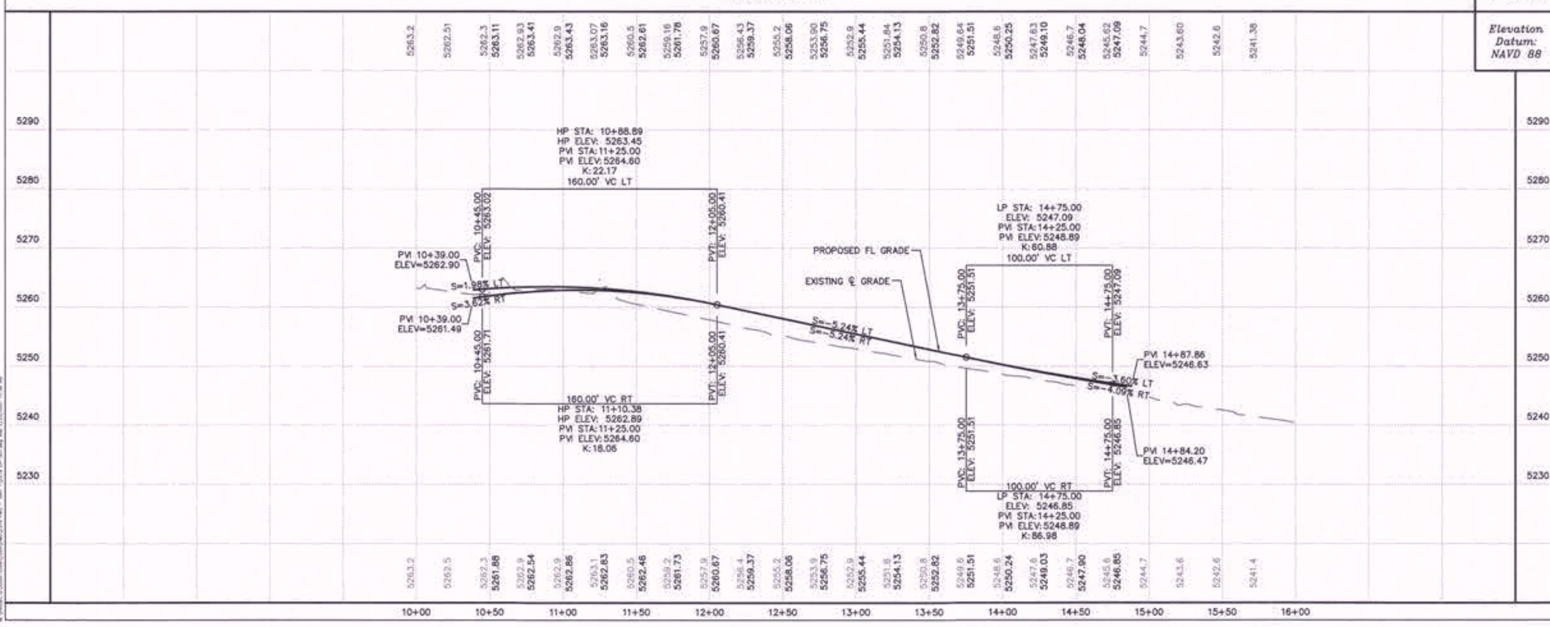
RECORD DRAWING



SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88

ASPIRE WAY



GENERAL NOTES

A. CONSTRUCT 4' WIDE ADA PATH BETWEEN ALL ADA RAMPS PER DETAIL ON SHEET 12.

B. SIDEWALK CONSTRUCTION IS DEFERRED WHERE NOTED BY *

KEYED CONSTRUCTION NOTES

1. CONSTRUCT STANDARD CURB & GUTTER PER DETAIL ON SHEET 12.
2. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
3. CROWN TO NO-CROWN TRANSITION OVER 50' MIN. PER COA STD DWG #2401.
4. 5' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
5. CONSTRUCT 6' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
6. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420. MODIFY GUTTER THICKNESS PER DETAIL ON SHEET 12.
7. CONSTRUCT ADA RAMP PER COA STD DWG #2441, CASE II. INSTALL CAST IN PLACE REPLACEABLE TRUNCATED DOMES. SUBMIT SPECS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
8. CONSTRUCT 4" TEXTURED, COLORED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE. AT ROUNDABOUT INSTALL 8" CONCRETE FROM BACK OF CURB. COLOR AND PATTERN TO BE DETERMINED PRIOR TO PLACEMENT. PAINT MEDIAN NOSE YELLOW TO APPROXIMATELY 6' BEHIND PC/PT PER COA STD DWGS 2408 & 2502.
9. CONSTRUCT PCC VALLEY GUTTER 4' WIDE, 1 1/2" INVERT PER COA STD DWG #2421.
10. INSTALL ADA RAMP PER DETAIL 'A' ON SHEET 12.
11. CONSTRUCT 24" CUT-OFF WALL PER COA STD DWG #2415B
12. INSTALL THERMOPLASTIC MARKINGS: 4" SOLID WHITE STRIPE (45 LF±) 1-RIGHT TURN ARROW 1-LEFT TURN ARROW.
13. CONSTRUCT MOUNTABLE MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
14. REMOVE, DISPOSE & REPLACE VALLEY GUTTER (101 SY±) PER COA STD DWG #2420. MODIFY GUTTER THICKNESS PER DETAIL ON SHEET 12.

FACE OF CURB CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
FC1	15.62'	30.00'	29°49'31"
FC2	29.61'	150.00'	11°18'38"
FC3	29.61'	150.00'	11°18'38"
FC4	19.17'	25.00'	43°56'44"
FC5	21.91'	25.00'	50°12'29"
FC6	4.71'	3.00'	90°00'00"
FC7	4.66'	3.00'	89°00'23"
FC8	30.61'	170.00'	10°19'01"
FC9	25.27'	128.00'	11°18'38"
FC10	15.71'	5.00'	180°00'00"
FC11	15.71'	5.00'	180°00'00"
FC12	15.71'	5.00'	180°00'00"

AS-BUILT INFORMATION: CONTRACTOR SALLS; FIELD VERIFIED BY CARTESIAN SURVEYS DATE 2/24/22; INSPECTOR'S ACCEPTANCE BY SPINELLO-DCS; DRAWINGS CORRECTED BY CARTESIAN SURVEYS

MICRO-FILM INFORMATION

BENCH MARKS: AGRS MONUMENT AND BENCHMARK "1-N8"; N=1470741.879 : E=1488701.82; G-G=0.99967466; Δα=00°17'27.70"; CENTRAL ZONE; ELEVATION=5307.25 (NAD83/NAVD88)

SURVEY INFORMATION: FIELD NOTES; CS-CARTESIAN SURVEYS INC. 02/2020

ENGINEER'S SEAL: ASA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER, 02/23/22

NO.	DATE	REVISIONS	BY

DESIGN — DESIGNED BY ANW, DATE 02/2021; DRAWN BY Ithor, DATE 02/2021; CHECKED BY ANW, DATE 02/2021

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ASPIRE SUBDIVISION, UNIT 1

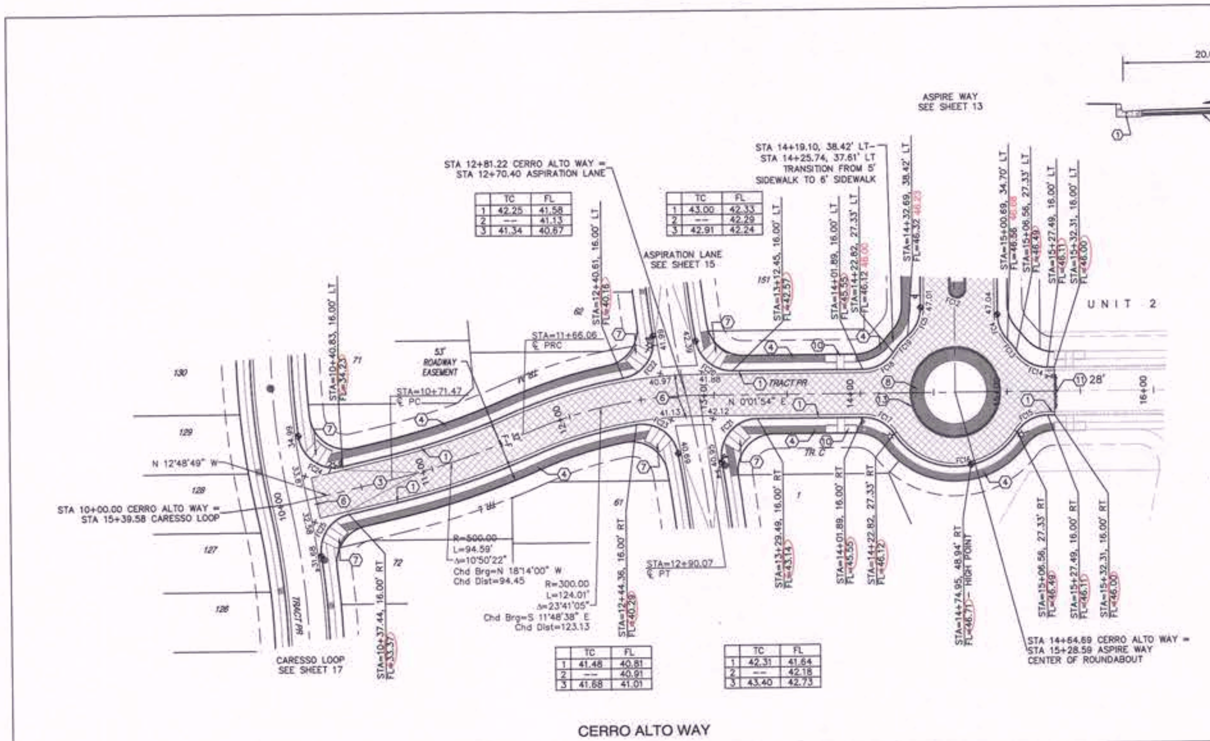
ASPIRE WAY
PAVING PLAN & PROFILE

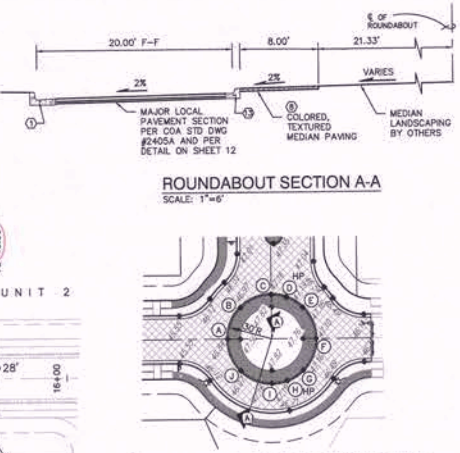
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021			

LAST DESIGN UPDATE

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	13	37

RECORD DRAWING



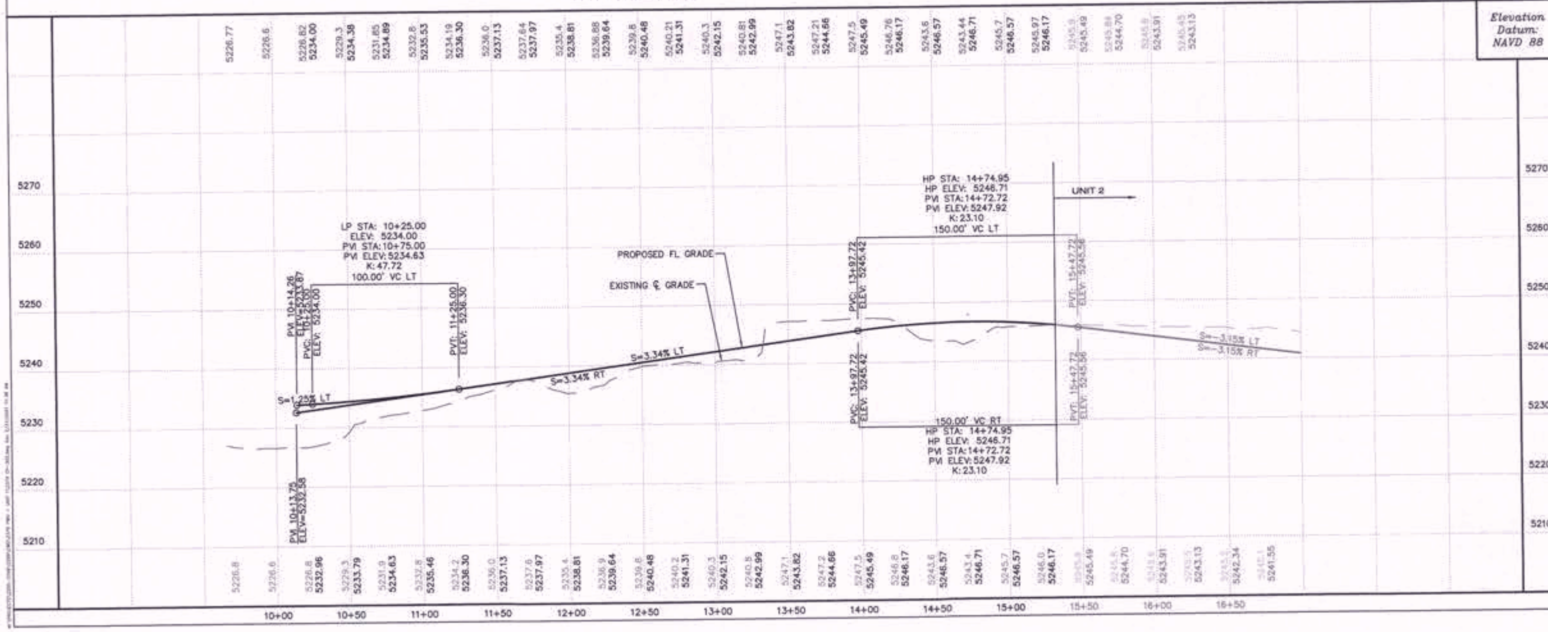


○ ROUNDABOUT MEDIAN CURB TABLE

○ POINT	STA, OFFSET	FL ELEV
A	14+39.69, 0.00' LT	46.84
B	14+43.48, 21.21' LT	46.97
C	14+64.69, 30.00' LT	47.16
D	14+74.95, 28.21' LT	47.19 (HP)
E	14+85.91, 21.21' RT	47.16
F	14+94.69, 0.00' RT	47.10
G	14+85.91, 21.21' RT	47.16
H	14+74.95, 28.19' RT	47.19 (HP)
I	14+64.71, 30.00' RT	47.16
J	14+43.49, 21.22' RT	46.97

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88



GENERAL NOTES

A. CONSTRUCT 4' WIDE ADA PATH BETWEEN ALL ADA RAMPS PER DETAIL ON SHEET 12.

B. SIDEWALK CONSTRUCTION IS DEFERRED WHERE NOTED BY *

KEYED CONSTRUCTION NOTES

1. CONSTRUCT STANDARD CURB & GUTTER PER DETAIL ON SHEET 12.
2. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
3. CROWN TO NO-CROWN TRANSITION OVER 50' MIN. PER COA STD DWG #2401.
4. 5' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
5. CONSTRUCT 6' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
6. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420. MODIFY GUTTER THICKNESS PER DETAIL ON SHEET 12.
7. CONSTRUCT ADA RAMP PER COA STD DWG #2441, CASE II. INSTALL CAST IN PLACE REPLACEABLE TRUNCATED DOMES. SUBMIT SPECS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
8. CONSTRUCT 4" TEXTURED, COLORED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE. AT ROUNDABOUT INSTALL 8' CONCRETE FROM BACK OF CURB. COLOR AND PATTERN TO BE DETERMINED PRIOR TO PLACEMENT. PAINT MEDIAN NOSE YELLOW TO APPROXIMATELY 6' BEHIND PC/PT PER COA STD DWGS 2408 & 2502.
9. CONSTRUCT PCC VALLEY GUTTER 4' WIDE, 1 1/2" INVERT PER COA STD DWG #2421.
10. INSTALL ADA RAMP PER DETAIL 'A' ON SHEET 12.
11. CONSTRUCT 24" CUT-OFF WALL PER COA STD DWG #2415B
12. INSTALL THERMOPLASTIC MARKINGS:
    4" SOLID WHITE STRIPE (45 LF±)
    1-RIGHT TURN ARROW
    1-LEFT TURN ARROW.
13. CONSTRUCT MOUNTABLE MEDIAN CURB & GUTTER PER COA STD DWG #2415B.

FACE OF CURB CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
FC4	19.17'	25.00'	43°56'44"
FC5	21.91'	25.00'	50°12'29"
FC12	15.71'	5.00'	180°00'00"
FC13	9.43'	50.00'	10°48'25"
FC14	24.81'	25.00'	56°51'41"
FC15	24.81'	25.00'	56°51'41"
FC16	99.24'	50.00'	113°43'22"
FC17	24.81'	25.00'	56°51'41"
FC18	24.81'	25.00'	56°51'41"
FC19	14.90'	50.00'	17°04'10"
FC20	34.84'	25.00'	79°51'24"
FC21	43.60'	25.00'	99°54'58"
FC22	39.21'	25.00'	89°52'02"
FC23	38.39'	25.00'	87°59'41"
FC24	41.50'	25.00'	95°06'09"
FC25	37.37'	25.00'	85°38'15"

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AS-BUILT INFORMATION — CONTRACTOR: SALLS; SPINELLO-DCS 2/24/22

BENCH MARKS — ACRS MONUMENT AND BENCHMARK "1-N8"; N=1470741.879 ; E=1488701.82; G-G=0.99976466; Δα=-0°17'27.70"; CENTRAL ZONE; ELEVATION=5307.25 (NAD83/NAVD88)

SURVEY INFORMATION — FIELD NOTES: 1 | CS-CARTESIAN SURVEYS INC. | 02/2020

ENGINEER'S SEAL — ASA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER, 02/23/21

NO.	DATE	REMARKS	BY

DESIGNED BY ANW, DATE 02/2021; DRAWN BY thor, DATE 02/2021; CHECKED BY ANW, DATE 02/2021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ASPIRE SUBDIVISION, UNIT 1

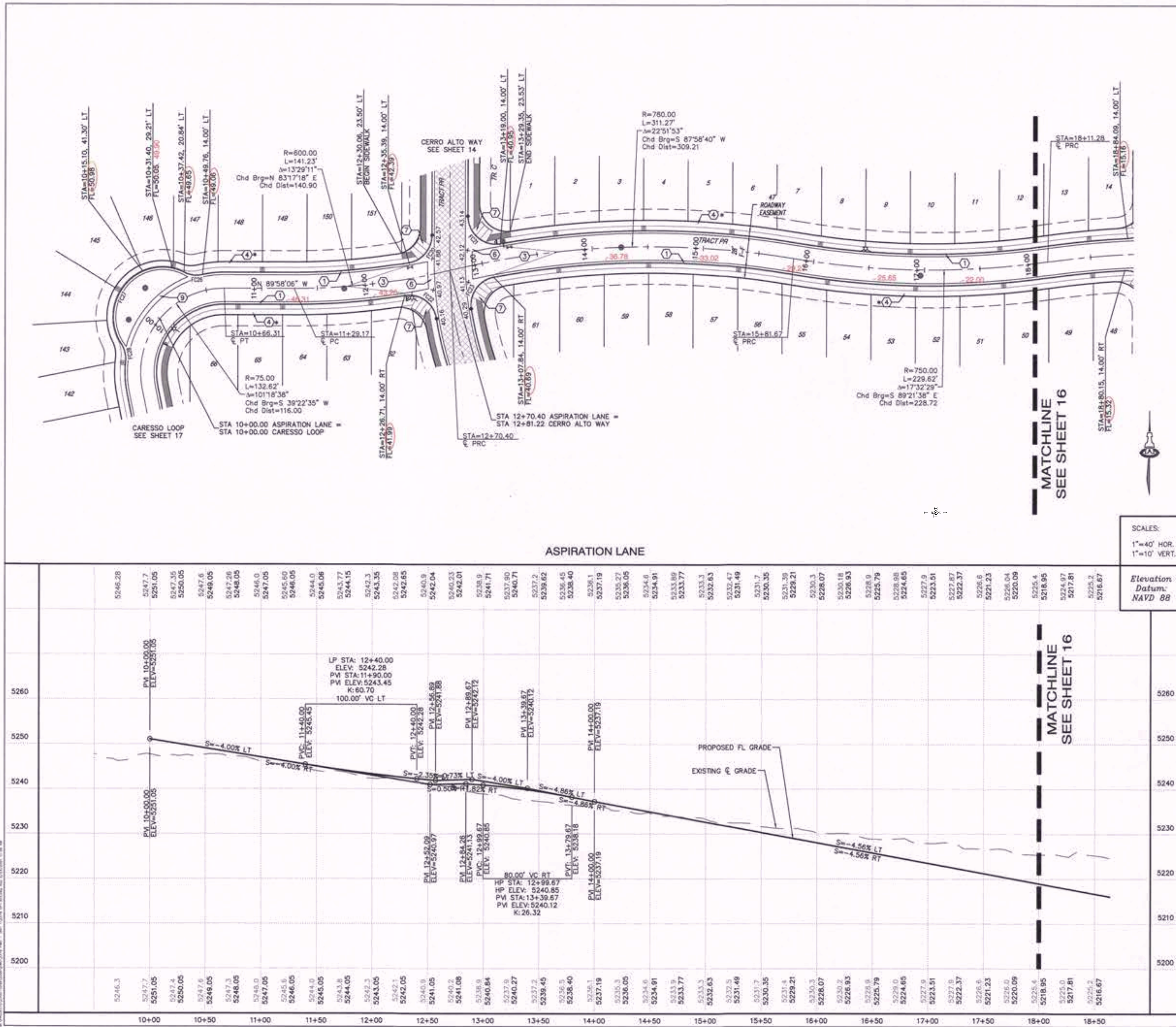
CERRO ALTO WAY

PAVING PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	14	37

RECORD DRAWING



GENERAL NOTES

A. CONSTRUCT 4' WIDE ADA PATH BETWEEN ALL ADA RAMPS PER DETAIL ON SHEET 12.

B. SIDEWALK CONSTRUCTION IS DEFERRED WHERE NOTED BY *

KEYED CONSTRUCTION NOTES

1. CONSTRUCT STANDARD CURB & GUTTER PER DETAIL ON SHEET 12.
2. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
3. CROWN TO NO-CROWN TRANSITION OVER 50' MIN. PER COA STD DWG #2401.
4. 5' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
5. CONSTRUCT 6' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
6. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420. MODIFY GUTTER THICKNESS PER DETAIL ON SHEET 12.
7. CONSTRUCT ADA RAMP PER COA STD DWG #2441, CASE II. INSTALL CAST IN PLACE REPLACEABLE TRUNCATED DOMES. SUBMIT SPECS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
8. CONSTRUCT 4" TEXTURED, COLORED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE. AT ROUNDABOUT INSTALL 8" CONCRETE FROM BACK OF CURB. COLOR AND PATTERN TO BE DETERMINED PRIOR TO PLACEMENT. PAINT MEDIAN NOSE YELLOW TO APPROXIMATELY 6' BEHIND PC/PT PER COA STD DWGS 2408 & 2502.
9. CONSTRUCT PCC VALLEY GUTTER 4' WIDE, 1 1/2" INVERT PER COA STD DWG #2421.
10. INSTALL ADA RAMP PER DETAIL 'A' ON SHEET 12.
11. CONSTRUCT 24" CUT-OFF WALL PER COA STD DWG #2415B
12. INSTALL THERMOPLASTIC MARKINGS:
    4" SOLID WHITE STRIPE (45 LF±)
    1-RIGHT TURN ARROW
    1-LEFT TURN ARROW.
13. CONSTRUCT MOUNTABLE MEDIAN CURB & GUTTER PER COA STD DWG #2415B.

FACE OF CURB CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
FC20	34.84'	25.00'	79°51'24"
FC21	43.60'	25.00'	99°54'58"
FC22	39.21'	25.00'	89°52'02"
FC23	38.39'	25.00'	87°59'41"
FC26	16.97'	25.00'	38°53'24"
FC27	114.56'	44.00'	149°10'23"
FC28	16.97'	25.00'	38°53'24"

AS-BUILT INFORMATION: CONTRACTOR SALLS; STAKED BY CARTESIAN SURVEYS; INSPECTOR'S ACCEPTANCE BY SPINELLO-DCS 2/24/22; FIELD VERIFICATION BY CARTESIAN SURVEYS

MICRO-FILM INFORMATION

BENCH MARKS: AGRS MONUMENT AND BENCHMARK "1-N8"; N=1470741.879 ; E=1498701.82; G-G=0.999676466; Δα=00°17'27.70"; CENTRAL ZONE; ELEVATION=5307.25 (NAD83/NAVD88)

SURVEY INFORMATION: FIELD NOTES 1 CSI-CARTESIAN SURVEYS INC. 02/2020

ENGINEER'S SEAL: ASA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER, 02/23/21

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN: DESIGNED BY ANW DATE 02/2021; DRAWN BY thor DATE 02/2021; CHECKED BY ANW DATE 02/2021

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CITY OF ALBUQUERQUE
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ASPIRATION LANE
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DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | Mo./DAY/YR | Mo./DAY/YR

Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 15 Of 37

RECORD DRAWING

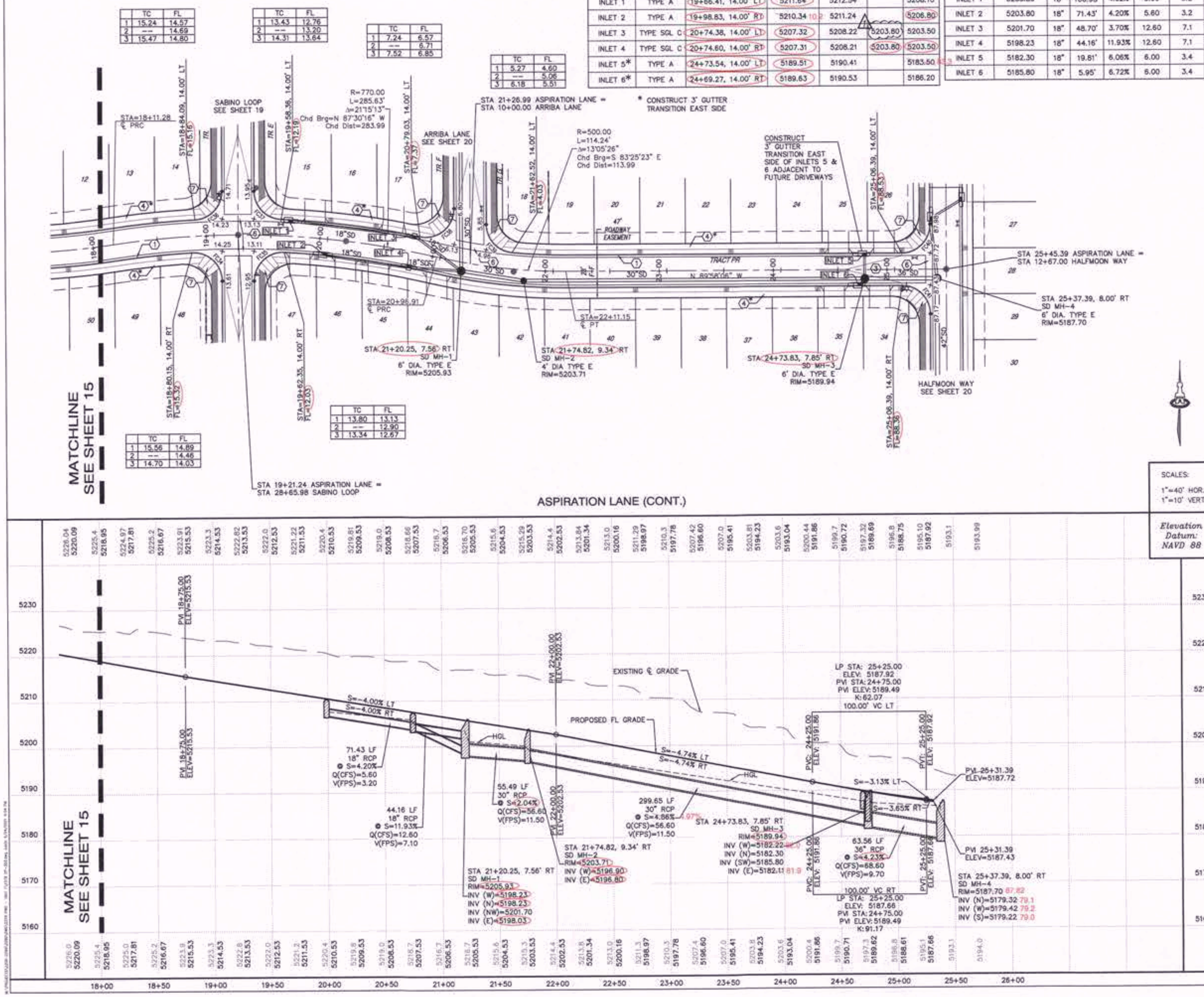
STORM DRAIN STRUCTURE INFORMATION

STRUCTURE NAME:	STRUCTURE TYPE:	STATION & OFFSET:	TOP OF GRATE ELEV.	TOP OF CURB ELEV.	INVERT IN:	INVERT OUT:
INLET 1	TYPE A	19+66.41, 14.00' LT	5211.64	5212.54		5208.10
INLET 2	TYPE A	19+98.83, 14.00' RT	5210.34 10.2	5211.24		5206.80
INLET 3	TYPE SGL C	20+74.38, 14.00' LT	5207.32	5208.22	5203.80	5203.50
INLET 4	TYPE SGL C	20+74.60, 14.00' RT	5207.31	5208.21	5203.80	5203.50
INLET 5*	TYPE A	24+73.54, 14.00' LT	5189.51	5190.41		5183.50 83.3
INLET 6*	TYPE A	24+69.27, 14.00' RT	5189.63	5190.53		5186.20

* CONSTRUCT 3' GUTTER TRANSITION EAST SIDE

STORM DRAIN PIPE INFORMATION

UPSTREAM STRUCTURE:	DOWNSTREAM INVERT:	DIA.:	LENGTH	SLOPE	Q (CFS)	V (FPS)
INLET 1	5203.80	18"	106.95'	4.02%	5.60	3.2
INLET 2	5203.80	18"	71.43'	4.20%	5.60	3.2
INLET 3	5201.70	18"	48.70'	3.70%	12.60	7.1
INLET 4	5198.23	18"	44.16'	11.93%	12.60	7.1
INLET 5	5182.30	18"	19.81'	6.06%	6.00	3.4
INLET 6	5185.80	18"	5.95'	6.72%	6.00	3.4



SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88

GENERAL NOTES

A. CONSTRUCT 4' WIDE ADA PATH BETWEEN ALL ADA RAMPS PER DETAIL ON SHEET 12.

B. SIDEWALK CONSTRUCTION IS DEFERRED WHERE NOTED BY *

KEYED CONSTRUCTION NOTES

1. CONSTRUCT STANDARD CURB & GUTTER PER DETAIL ON SHEET 12.
2. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
3. CROWN TO NO-CROWN TRANSITION OVER 50' MIN. PER COA STD DWG #2401.
4. 5' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
5. CONSTRUCT 6' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
6. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420. MODIFY GUTTER THICKNESS PER DETAIL ON SHEET 12.
7. CONSTRUCT ADA RAMP PER COA STD DWG #2441, CASE II. INSTALL CAST IN PLACE REPLACEABLE TRUNCATED DOMES. SUBMIT SPECS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
8. CONSTRUCT 4" TEXTURED, COLORED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE. AT ROUNDABOUT INSTALL 8' CONCRETE FROM BACK OF CURB. COLOR AND PATTERN TO BE DETERMINED PRIOR TO PLACEMENT. PAINT MEDIAN NOSE YELLOW TO APPROXIMATELY 6' BEHIND PC/PT PER COA STD DWGS 2408 & 2502.
9. CONSTRUCT PCC VALLEY GUTTER 4' WIDE, 1 1/2" INVERT PER COA STD DWG #2421.
10. INSTALL ADA RAMP PER DETAIL 'A' ON SHEET 12.
11. CONSTRUCT 24" CUT-OFF WALL PER COA STD DWG #2415B
12. INSTALL THERMOPLASTIC MARKINGS:
    4" SOLID WHITE STRIPE (45 LF±)
    1-RIGHT TURN ARROW
    1-LEFT TURN ARROW.
13. CONSTRUCT MOUNTABLE MEDIAN CURB & GUTTER PER COA STD DWG #2415B.

STORM DRAIN NOTES

- CONSTRUCT STORM DRAIN MANHOLES PER COA STD DWGS #2101 & 2102 WITH COVER PER COA STD DWG #2110.
- CONSTRUCT INLETS PER COA STD DWGS #2201, 2202, 2207, 2215 & 2216 WITH GRATE PER COA STD DWG #2220.
- INLET STATIONING IS TO MIDPOINT OF DOWNSTREAM GRATE @ FACE OF CURB.

FACE OF CURB CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
FC34	40.60'	25.00'	93°02'18"
FC35	40.61'	25.00'	93°04'41"
FC36	38.07'	25.00'	87°15'17"
FC37	38.06'	25.00'	87°13'08"
FC40	39.27'	25.00'	90°00'00"
FC41	39.27'	25.00'	90°00'00"

AS-BUILT INFORMATION: CONTRACTOR SALLS; SPINELLO-DCS; 2/24/22

BENCH MARKS: AGRS MONUMENT AND BENCHMARK "1-N8"; N=1470741.879, E=1488701.82; G-G=0.99967466; Δα=00°17'27.70"; CENTRAL ZONE; ELEVATION=5307.25 (NAD83/NAVD88)

SURVEY INFORMATION: FIELD NOTES: 1 CSI-CARTESIAN SURVEYS INC. 02/2020

ENGINEER'S SEAL: ASA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER, 02/23/21

NO.	DATE	REMARKS	BY
1	05/21	REVISED STORM DRAIN TABLES	ANW

DESIGN: DESIGNED BY ANW, DATE 02/2021; DRAWN BY thor, DATE 02/2021; CHECKED BY ANW, DATE 02/2021

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ASPIRE SUBDIVISION, UNIT 1

ASPIRATION LANE (CONT.)

PAVING PLAN & PROFILE

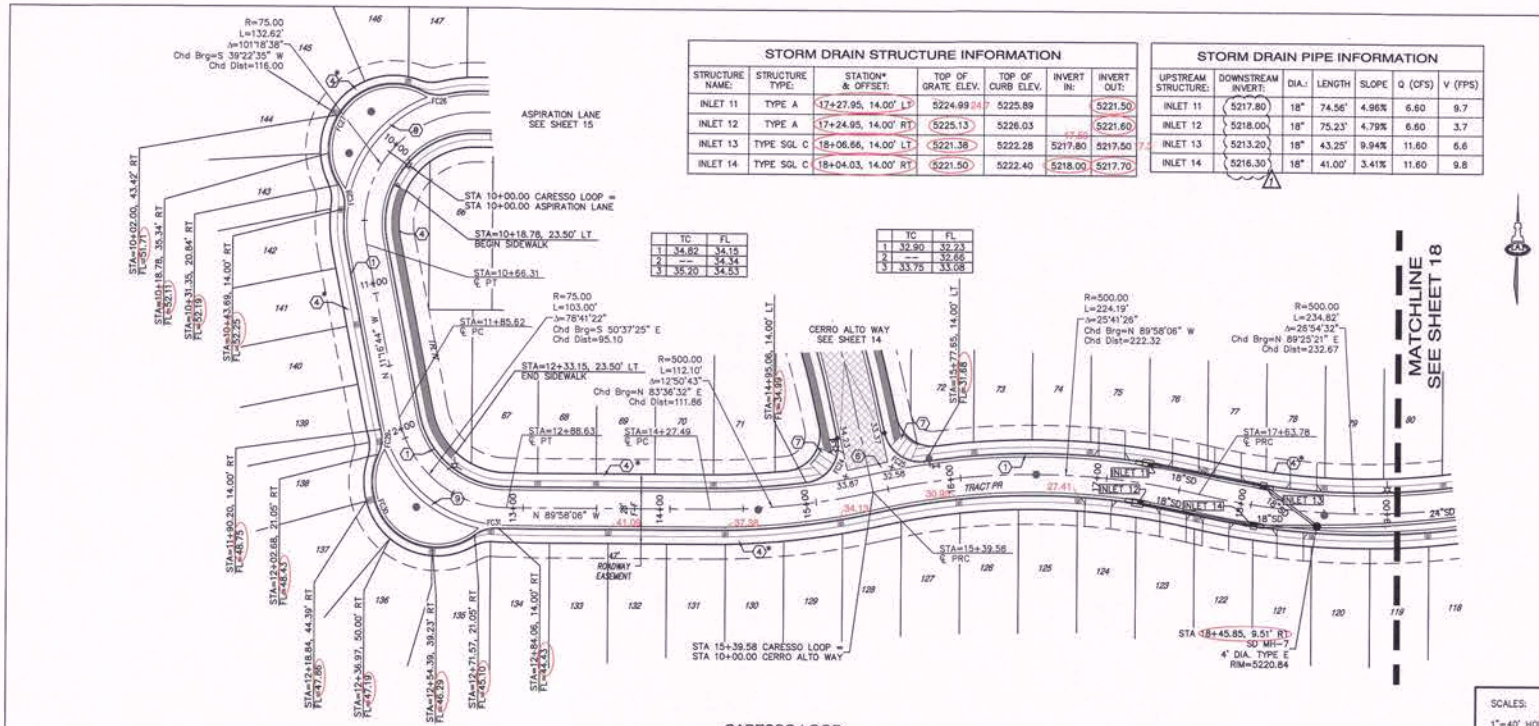
DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | Mo./DAY/YR. | Mo./DAY/YR.

Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021

LAST DESIGN UPDATE

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 16 Of 37

RECORD DRAWING



TC	FL
1 34.62	34.15
2 ---	34.34
3 35.20	34.53

TC	FL
1 32.90	32.23
2 ---	32.68
3 33.75	33.08

STORM DRAIN STRUCTURE INFORMATION

STRUCTURE NAME:	STRUCTURE TYPE:	STATION* & OFFSET:	TOP OF GRATE ELEV.	TOP OF CURB ELEV.	INVERT IN:	INVERT OUT:
INLET 11	TYPE A	17+27.95, 14.00' LT	5224.99	5225.89		5221.50
INLET 12	TYPE A	17+24.95, 14.00' RT	5225.13	5226.03		5221.60
INLET 13	TYPE SGL C	18+06.66, 14.00' LT	5221.38	5222.28	5217.80	5217.50
INLET 14	TYPE SGL C	18+04.03, 14.00' RT	5221.50	5222.40	5218.00	5217.70

STORM DRAIN PIPE INFORMATION

UPSTREAM STRUCTURE:	DOWNSTREAM INVERT:	DIA.:	LENGTH	SLOPE	Q (CFS)	V (FPS)
INLET 11	5217.80	18"	74.56'	4.96%	6.60	9.7
INLET 12	5218.00	18"	75.23'	4.79%	6.60	3.7
INLET 13	5213.20	18"	43.25'	9.94%	11.60	6.6
INLET 14	5216.30	18"	41.00'	3.41%	11.60	9.8

GENERAL NOTES

A. CONSTRUCT 4' WIDE ADA PATH BETWEEN ALL ADA RAMPS PER DETAIL ON SHEET 12.

B. SIDEWALK CONSTRUCTION IS DEFERRED WHERE NOTED BY *

KEYED CONSTRUCTION NOTES

1. CONSTRUCT STANDARD CURB & GUTTER PER DETAIL ON SHEET 12.
2. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
3. CROWN TO NO-CROWN TRANSITION OVER 50' MIN. PER COA STD DWG #2401.
4. 5' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
5. CONSTRUCT 6' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
6. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420. MODIFY GUTTER THICKNESS PER DETAIL ON SHEET 12.
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9. CONSTRUCT PCC VALLEY GUTTER 4' WIDE, 1 1/2" INVERT PER COA STD DWG #2421.
10. INSTALL ADA RAMP PER DETAIL 'A' ON SHEET 12.
11. CONSTRUCT 24" CUT-OFF WALL PER COA STD DWG #2415B
12. INSTALL THERMOPLASTIC MARKINGS:
    4" SOLID WHITE STRIPE (45 LF±)
    1-RIGHT TURN ARROW
    1-LEFT TURN ARROW.
13. CONSTRUCT MOUNTABLE MEDIAN CURB & GUTTER PER COA STD DWG #2415B.

STORM DRAIN NOTES

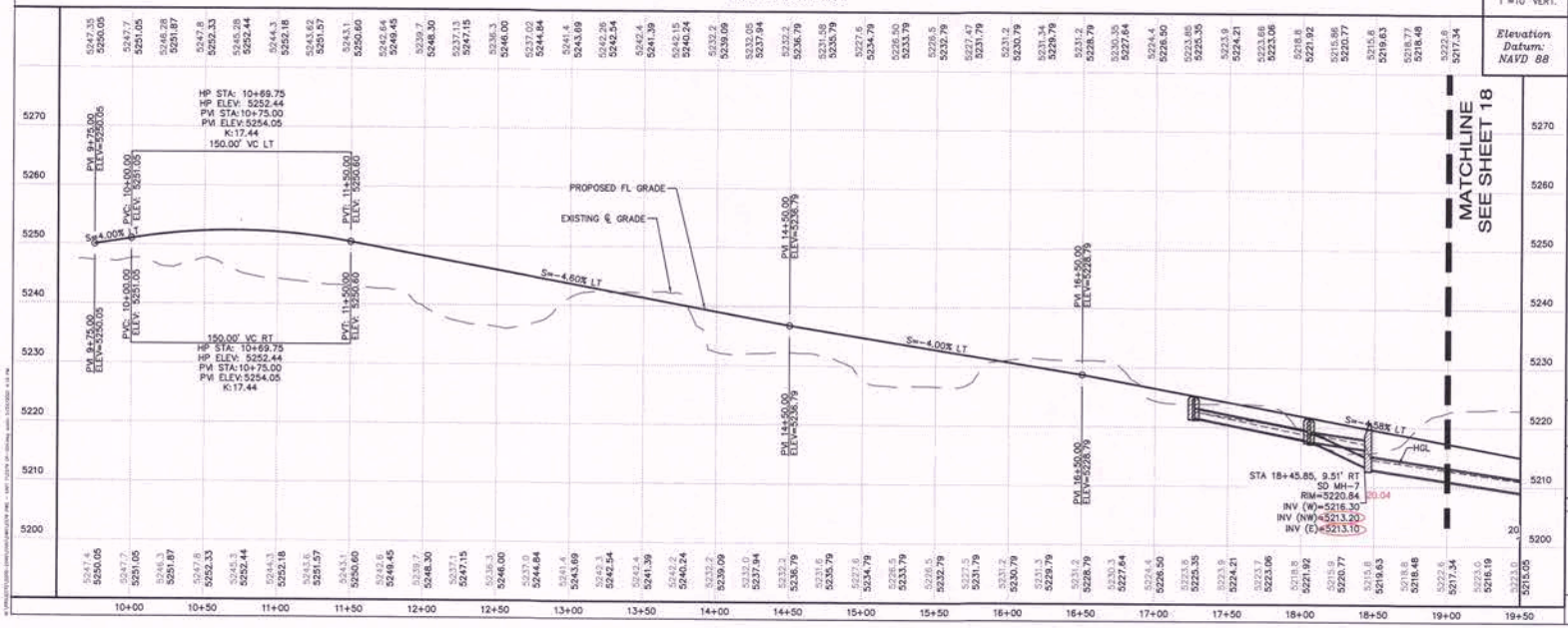
- CONSTRUCT STORM DRAIN MANHOLES PER COA STD DWGS #2101 & 2102 WITH COVER PER COA STD DWG #2110.
- CONSTRUCT INLETS PER COA STD DWGS #2201, 2202, 2207, 2215 & 2216 WITH GRATE PER COA STD DWG #2220.
- INLET STATIONING IS TO MIDPOINT OF DOWNSTREAM GRATE @ FACE OF CURB.

FACE OF CURB CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
FC24	41.50'	25.00'	95°06'09"
FC25	37.37'	25.00'	85°38'15"
FC26	16.97'	25.00'	38°53'24"
FC27	114.56'	44.00'	149°10'23"
FC28	16.97'	25.00'	38°53'24"
FC29	17.25'	25.00'	39°32'28"
FC30	115.80'	44.00'	150°47'15"
FC31	17.25'	25.00'	39°32'28"

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88

CARESSO LOOP



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1

CARESSO LOOP
PAVING PLAN & PROFILE

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | Mo./DAY/YR. | Mo./DAY/YR.

Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021

LAST DESIGN UPDATE

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 17 Of 37

AS-BUILT INFORMATION
CONTRACTOR: SALLS
AS-BUILTS BY: CARTESIAN SURVEYS DATE: 2/24/21
FIELD WORK BY: SPINELLO-DCS DATE: 2/24/21
AS-BUILTS BY: DATE:
FIELD WORK BY: DATE:
DRAWING BY: DATE:

MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.:

SURVEY INFORMATION
FIELD NOTES: CS-CARTESIAN SURVEYS INC. 02/2020

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.879 ; E=1488701.82
G-G=0.999676466
Δm=00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

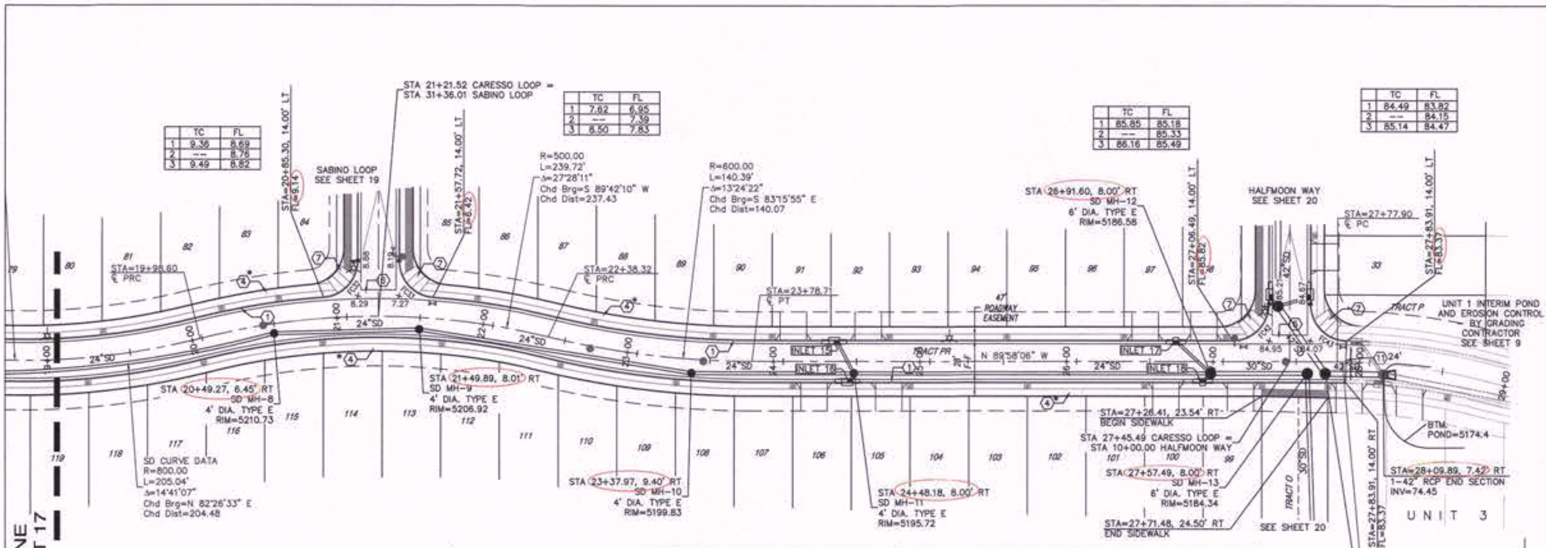
ENGINEER'S SEAL
ASA M. NILSSON-REED
NEW MEXICO
17631
PROFESSIONAL ENGINEER
02/23/21

NO.	DATE	REMARKS	BY
1	05/21	REVISED STORM DRAIN TABLES	ANW

REVISIONS

DESIGNED BY ANW DATE 02/2021
DRAWN BY thor DATE 02/2021
CHECKED BY ANW DATE 02/2021

RECORD DRAWING



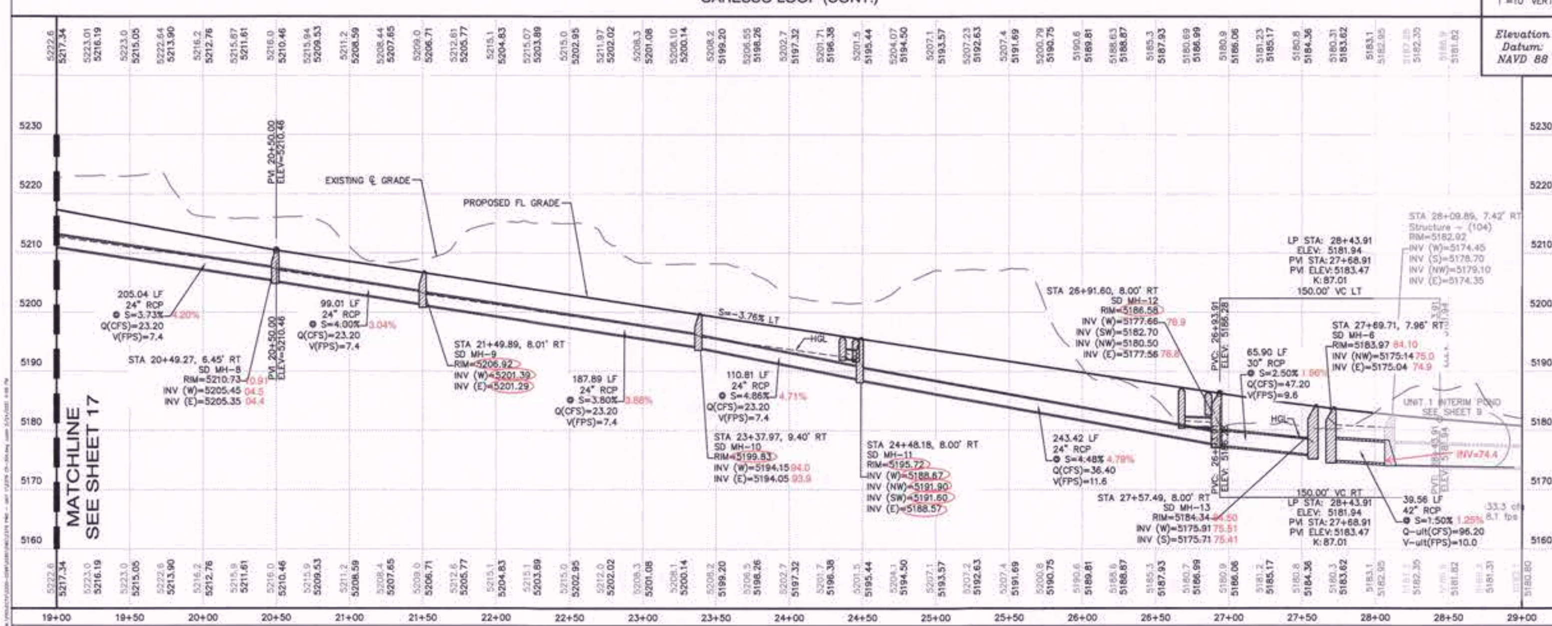
STORM DRAIN STRUCTURE INFORMATION						
STRUCTURE NAME:	STRUCTURE TYPE:	STATION* & OFFSET:	TOP OF GRATE ELEV.	TOP OF CURB ELEV.	INVERT IN:	INVERT OUT:
INLET 15	TYPE A	24+36.38, 14.00' LT	5195.72	5196.62		5192.20 (91.9)
INLET 16	TYPE A	24+45.42, 14.00' RT	5195.39	5196.29		5191.90 (91.7)
INLET 17	TYPE SGL C	26+67.81, 13.97' LT	5187.03	5187.93		5180.69
INLET 18	TYPE SGL C	26+86.09, 14.00' RT	5186.35	5187.25		5182.90 (82.8)

STORM DRAIN PIPE INFORMATION						
UPSTREAM STRUCTURE:	DOWNSTREAM INVERT:	DIA.:	LENGTH	SLOPE	Q (CFS)	V (FPS)
INLET 15	5191.90	18"	23.27'	1.29%	6.60	7.0
INLET 16	5191.60	18"	4.79'	6.26%	6.60	7.0
INLET 17	5180.50	18"	30.19'	0.62%	5.40	5.2
INLET 18	5182.70	18"	5.88'	3.40%	5.40	6.1

CARESSO LOOP (CONT.)

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88



GENERAL NOTES

A. CONSTRUCT 4' WIDE ADA PATH BETWEEN ALL ADA RAMPS PER DETAIL ON SHEET 12.

B. SIDEWALK CONSTRUCTION IS DEFERRED WHERE NOTED BY *

KEYED CONSTRUCTION NOTES

1. CONSTRUCT STANDARD CURB & GUTTER PER DETAIL ON SHEET 12.
2. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
3. CROWN TO NO-CROWN TRANSITION OVER 50' MIN. PER COA STD DWG #2401.
4. 5' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
5. CONSTRUCT 6' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
6. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420. MODIFY GUTTER THICKNESS PER DETAIL ON SHEET 12.
7. CONSTRUCT ADA RAMP PER COA STD DWG #2441, CASE II. INSTALL CAST IN PLACE REPLACEABLE TRUNCATED DOMES. SUBMIT SPECS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
8. CONSTRUCT 4" TEXTURED, COLORED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE. AT ROUNDABOUT INSTALL 8' CONCRETE FROM BACK OF CURB. COLOR AND PATTERN TO BE DETERMINED PRIOR TO PLACEMENT. PAINT MEDIAN NOSE YELLOW TO APPROXIMATELY 6' BEHIND PC/PT PER COA STD DWGS 2408 & 2502.
9. CONSTRUCT PCC VALLEY GUTTER 4' WIDE, 1 1/2" INVERT PER COA STD DWG #2421.
10. INSTALL ADA RAMP PER DETAIL 'A' ON SHEET 12.
11. CONSTRUCT 24" CUT-OFF WALL PER COA STD DWG #2415B
12. INSTALL THERMOPLASTIC MARKINGS:
    4" SOLID WHITE STRIPE (45 LF±)
    1-RIGHT TURN ARROW
    1-LEFT TURN ARROW.
13. CONSTRUCT MOUNTABLE MEDIAN CURB & GUTTER PER COA STD DWG #2415B.

STORM DRAIN NOTES

- CONSTRUCT STORM DRAIN MANHOLES PER COA STD DWGS #2101 & 2102 WITH COVER PER COA STD DWG #2110.
- CONSTRUCT INLETS PER COA STD DWGS #2201, 2202, 2207, 2215 & 2216 WITH GRATE PER COA STD DWG #2220.
- INLET STATIONING IS TO MIDPOINT OF DOWNSTREAM GRATE @ FACE OF CURB.

FACE OF CURB CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
FC32	37.47'	25.00'	85°52'18"
FC33	37.45'	25.00'	85°49'47"
FC42	39.27'	25.00'	90°00'00"
FC43	38.89'	25.00'	89°08'20"

AS-BUILT INFORMATION: CONTRACTOR SALLS; STAKED BY CARTESIAN SURVEYS; INSPECTOR SPINELLO-DCS

BENCH MARKS: AGRS MONUMENT AND BENCHMARK "1-N8" N=1470741.879 ; E=1488701.82 G-G=0.999676466 Δα=-0°17'27.70" CENTRAL ZONE ELEVATION=5307.25 (NAD83/NAVD88)

SURVEY INFORMATION: FIELD NOTES 1 CS-CARTESIAN SURVEYS INC. 02/2020

ENGINEER'S SEAL: ASA W. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER, 02/23/21

NO.	DATE	REVISIONS REMARKS	BY
1	05/21	REVISED STORM DRAIN TABLES	ANW

DESIGNED BY ANW DATE 02/2021; DRAWN BY thor DATE 02/2021; CHECKED BY ANW DATE 02/2021

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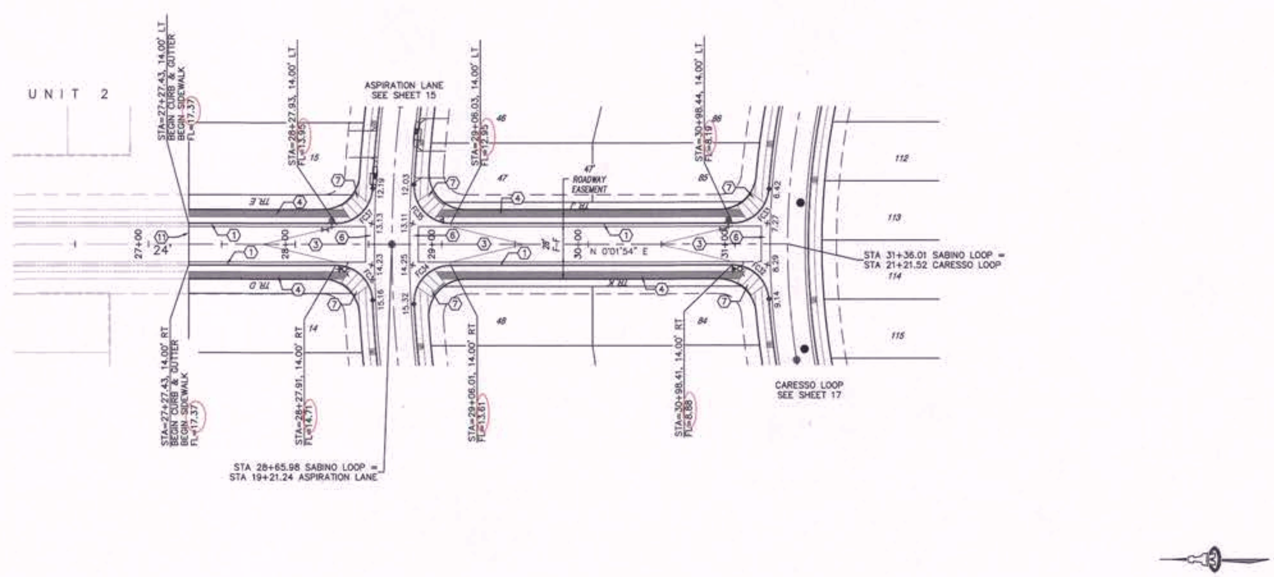
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1
CARESSO LOOP (CONT.)
PAVING PLAN & PROFILE

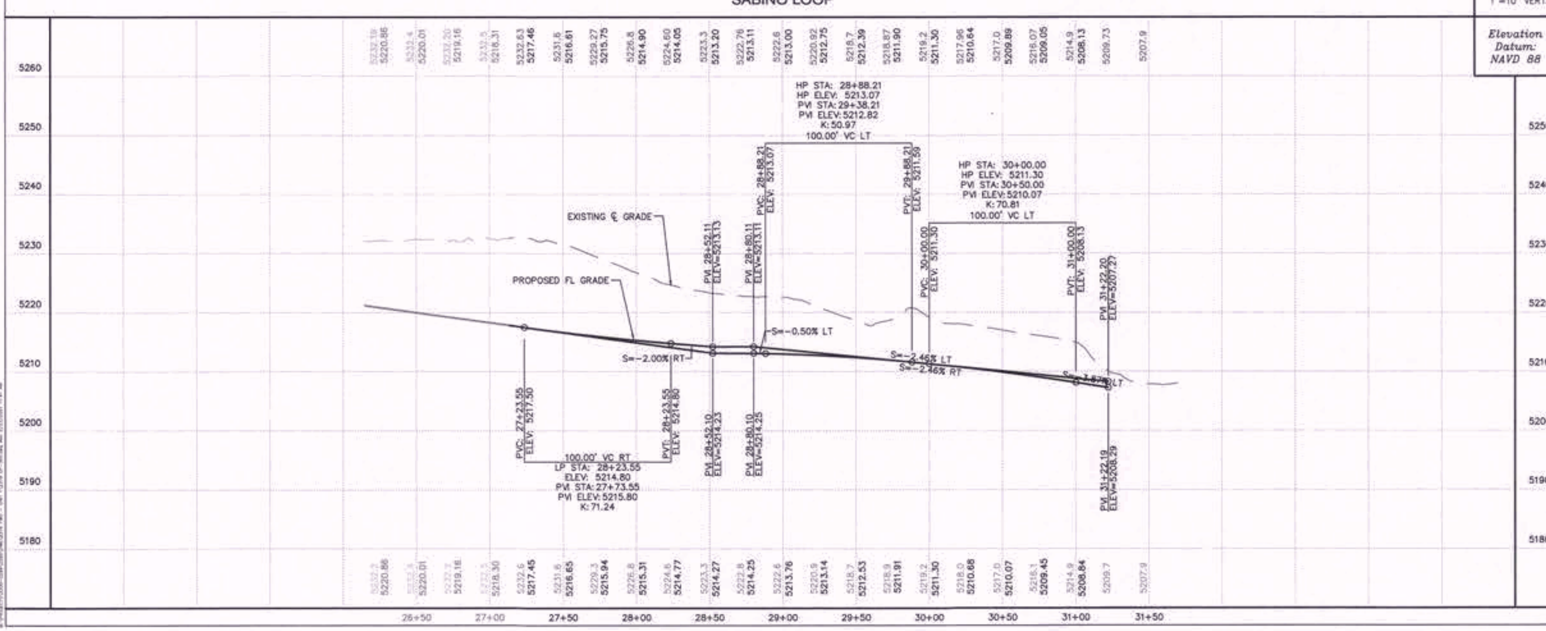
DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | Mo./DAY/YR. | Mo./DAY/YR.

Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 18 Of 37

RECORD DRAWING





SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88

GENERAL NOTES

A. CONSTRUCT 4' WIDE ADA PATH BETWEEN ALL ADA RAMPS PER DETAIL ON SHEET 12.

B. SIDEWALK CONSTRUCTION IS DEFERRED WHERE NOTED BY *

KEYED CONSTRUCTION NOTES

1. CONSTRUCT STANDARD CURB & GUTTER PER DETAIL ON SHEET 12.
2. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
3. CROWN TO NO-CROWN TRANSITION OVER 50' MIN. PER COA STD DWG #2401.
4. 5' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
5. CONSTRUCT 6' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
6. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420. MODIFY GUTTER THICKNESS PER DETAIL ON SHEET 12.
7. CONSTRUCT ADA RAMP PER COA STD DWG #2441, CASE II. INSTALL CAST IN PLACE REPLACEABLE TRUNCATED DOMES. SUBMIT SPECS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
8. CONSTRUCT 4" TEXTURED, COLORED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE. AT ROUNDABOUT INSTALL 8' CONCRETE FROM BACK OF CURB. COLOR AND PATTERN TO BE DETERMINED PRIOR TO PLACEMENT. PAINT MEDIAN NOSE YELLOW TO APPROXIMATELY 6' BEHIND PC/PT PER COA STD DWGS 2408 & 2502.
9. CONSTRUCT PCC VALLEY GUTTER 4' WIDE, 1 1/2" INVERT PER COA STD DWG #2421.
10. INSTALL ADA RAMP PER DETAIL 'A' ON SHEET 12.
11. CONSTRUCT 24" CUT-OFF WALL PER COA STD DWG #2415B
12. INSTALL THERMOPLASTIC MARKINGS:
    4" SOLID WHITE STRIPE (45 LF±)
    1-RIGHT TURN ARROW
    1-LEFT TURN ARROW.
13. CONSTRUCT MOUNTABLE MEDIAN CURB & GUTTER PER COA STD DWG #2415B.

FACE OF CURB CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
FC32	37.47'	25.00'	85°52'18"
FC33	37.45'	25.00'	85°49'47"
FC34	40.60'	25.00'	93°02'18"
FC35	40.61'	25.00'	93°04'41"
FC36	38.07'	25.00'	87°15'17"
FC37	38.06'	25.00'	87°13'08"

AS-BUILT INFORMATION
CONTRACTOR: SALLS
INSPECTOR'S ACCEPTANCE BY: SPINELLO-DCS

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-N8"
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G-G=0.999676466
Δα=00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES
CSI-CARTESIAN SURVEYS INC. 02/2020

ENGINEER'S SEAL
ASA M. NILSSON-WEBER
NEW MEXICO
17631
PROFESSIONAL ENGINEER
02/23/22

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ASPIRE SUBDIVISION, UNIT 1

SABINO LOOP
PAVING PLAN & PROFILE

DESIGNED BY ANW DATE 02/2021
DRAWN BY thor DATE 02/2021
CHECKED BY ANW DATE 02/2021

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL

Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 19 Of 37

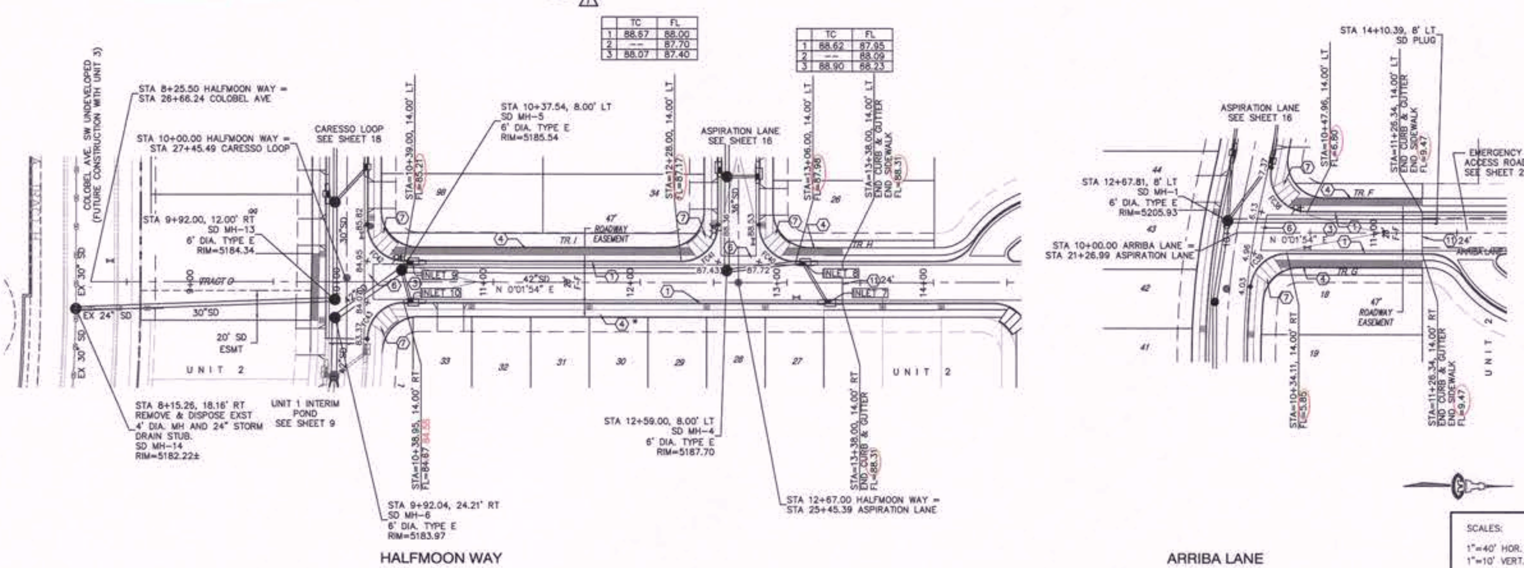
RECORD DRAWING

STORM DRAIN STRUCTURE INFORMATION

STRUCTURE NAME:	STRUCTURE TYPE:	STATION* & OFFSET:	TOP OF GRATE ELEV.	TOP OF CURB ELEV.	INVERT IN:	INVERT OUT:
INLET 7	TYPE A	13+27.81, 14.00' RT	5187.97	5188.87	84.2	5184.40
INLET 8	TYPE A	13+10.75, 14.00' LT	5187.80	5188.70	5184.10	5182.00
INLET 9	TYPE A	10+43.75, 14.00' LT	5185.03	5185.93	81.3	5181.50
INLET 10	TYPE A	10+43.70, 14.00' RT	5184.55	5185.45	80.9	5181.00

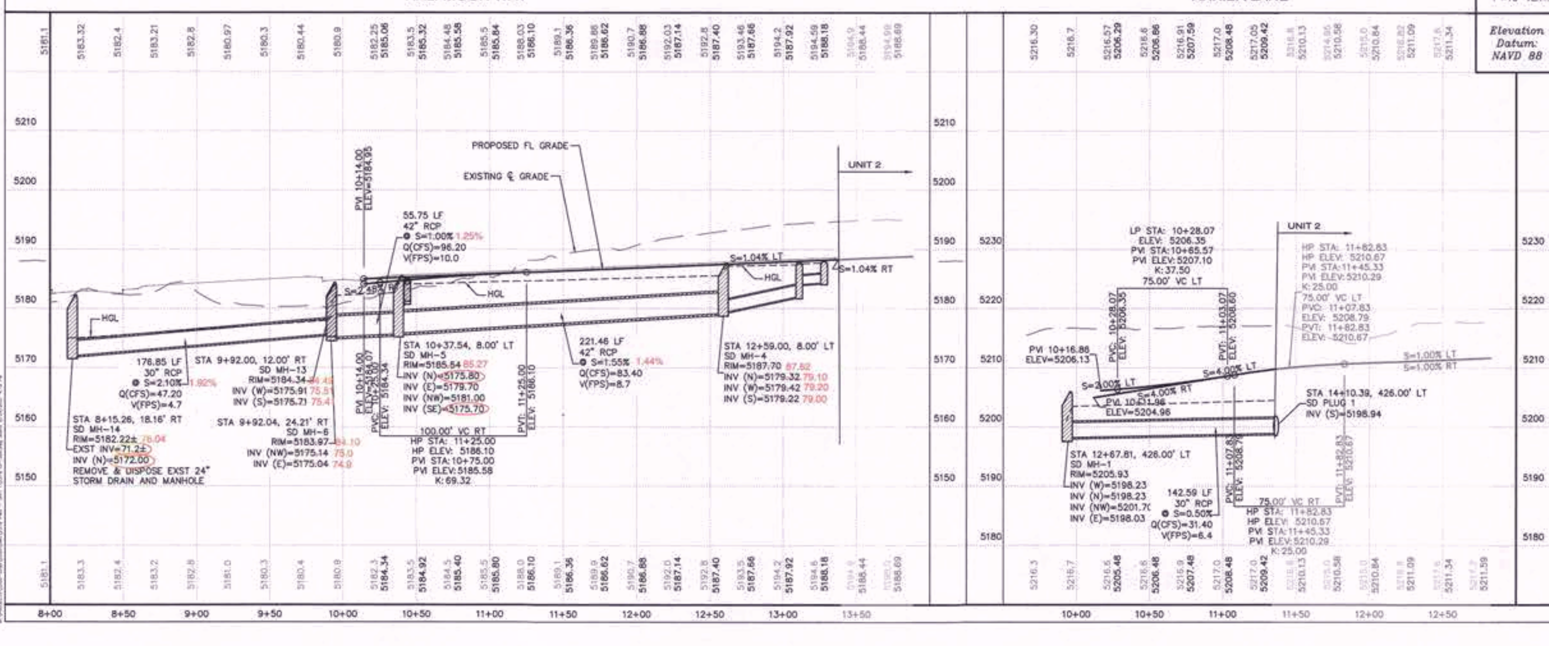
STORM DRAIN PIPE INFORMATION

UPSTREAM STRUCTURE:	DOWNSTREAM INVERT:	DIA.:	LENGTH	SLOPE	Q (CFS)	V (FPS)
INLET 7	5184.10	18"	29.13'	1.03%	7.40	4.2
INLET 8	5179.32	24"	50.54'	5.30%	14.80	4.7
INLET 9	5181.00	18"	6.97'	7.17%	6.40	3.6
INLET 10	5179.70	18"	20.86'	6.23%	6.40	3.6



SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88



GENERAL NOTES

A. CONSTRUCT 4' WIDE ADA PATH BETWEEN ALL ADA RAMPS PER DETAIL ON SHEET 12.

B. SIDEWALK CONSTRUCTION IS DEFERRED WHERE NOTED BY *

KEYED CONSTRUCTION NOTES

1. CONSTRUCT STANDARD CURB & GUTTER PER DETAIL ON SHEET 12.
2. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD DWG #2415B.
3. CROWN TO NO-CROWN TRANSITION OVER 50' MIN. PER COA STD DWG #2401.
4. 5' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
5. CONSTRUCT 6' SIDEWALK PER COA STD DWG #2430. SEE GENERAL NOTE B.
6. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420. MODIFY GUTTER THICKNESS PER DETAIL ON SHEET 12.
7. CONSTRUCT ADA RAMP PER COA STD DWG #2441, CASE II. INSTALL CAST IN PLACE REPLACEABLE TRUNCATED DOMES. SUBMIT SPECS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
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9. CONSTRUCT PCC VALLEY GUTTER 4' WIDE, 1 1/2" INVERT PER COA STD DWG #2421.
10. INSTALL ADA RAMP PER DETAIL 'A' ON SHEET 12.
11. CONSTRUCT 24" CUT-OFF WALL PER COA STD DWG #2415B
12. INSTALL THERMOPLASTIC MARKINGS:
    4" SOLID WHITE STRIPE (45 LF±)
    1-RIGHT TURN ARROW
    1-LEFT TURN ARROW.
13. CONSTRUCT MOUNTABLE MEDIAN CURB & GUTTER PER COA STD DWG #2415B.

STORM DRAIN NOTES

- CONSTRUCT STORM DRAIN MANHOLES PER COA STD DWGS #2101 & 2102 WITH COVER PER COA STD DWG #2110.
- CONSTRUCT INLETS PER COA STD DWGS #2201, 2202, 2207, 2215 & 2216 WITH GRATE PER COA STD DWG #2220.
- INLET STATIONING IS TO MIDPOINT OF DOWNSTREAM GRATE @ FACE OF CURB.

FACE OF CURB CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
FC38	44.40'	25.00'	101°45'35"
FC39	36.84'	25.00'	84°25'41"
FC40	39.27'	25.00'	90°00'00"
FC41	39.27'	25.00'	90°00'00"
FC42	39.27'	25.00'	90°00'00"
FC43	38.89'	25.00'	89°08'20"

AS-BUILT INFORMATION: CONTRACTOR SALLS; SPINELLO-DCS

BENCH MARKS: AGRS MONUMENT AND BENCHMARK "1-N8"; N=1470741.879 ; E=1488701.82; G-G=0.99976466; Δα=00°17'27.70"; CENTRAL ZONE; ELEVATION=5307.25 (NAD83/NAVD88)

SURVEY INFORMATION: FIELD NOTES; CS-CARTESIAN SURVEYS INC. 02/2020

ENGINEER'S SEAL: ASA W. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER, 02/23/21

NO.	DATE	REMARKS
1	05/21	REVISED STORM DRAIN TABLES

REVISIONS

DESIGN: DESIGNED BY ANW, DATE 02/2021; DRAWN BY thor, DATE 02/2021; CHECKED BY ANW, DATE 02/2021

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ASPIRE SUBDIVISION, UNIT 1

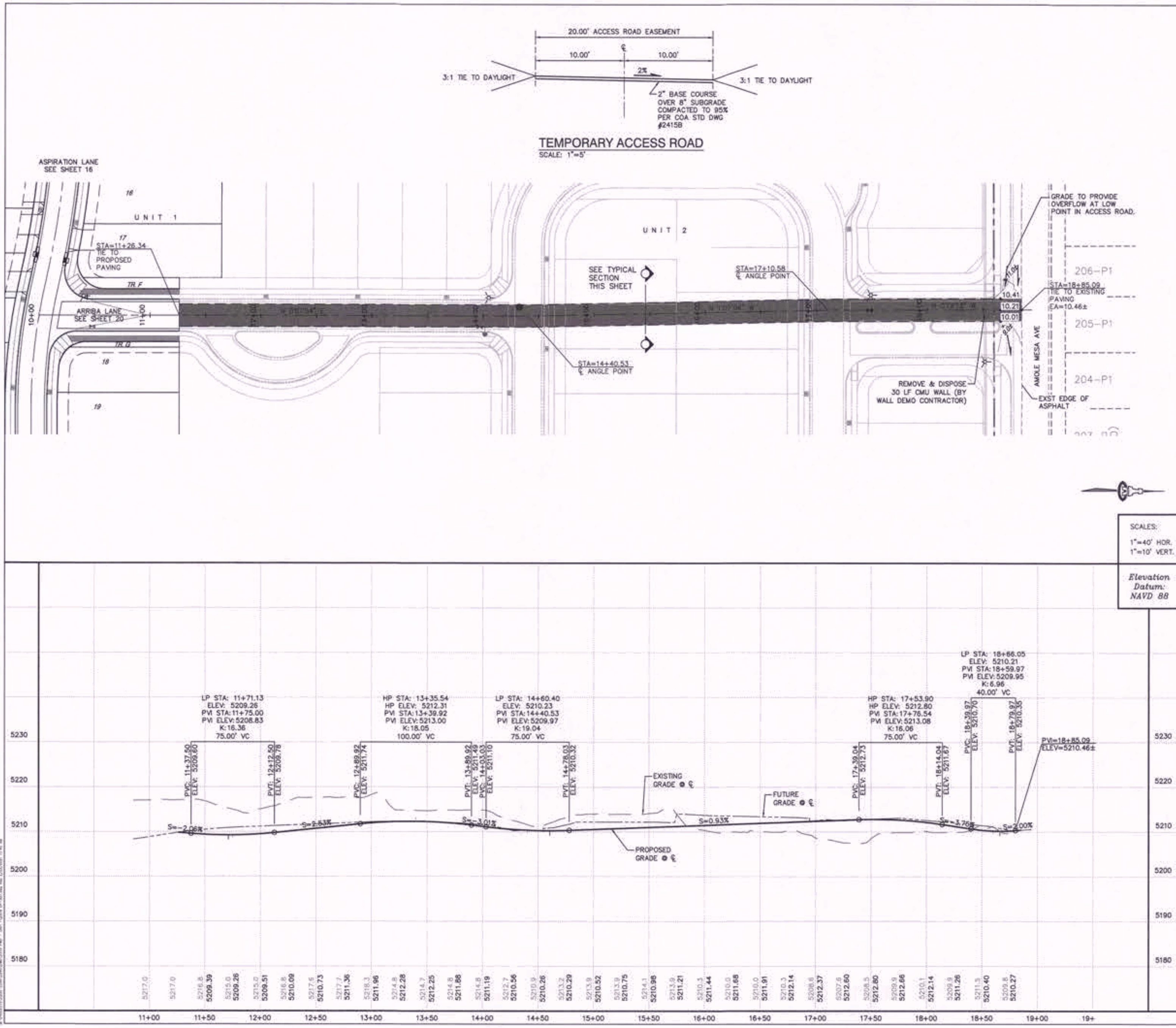
HALFMOON WAY & ARRIBA LANE

PAVING PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	20	37

RECORD DRAWING



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ASPIRE SUBDIVISION, UNIT 1

EMERGENCY ACCESS ROAD

PAVING PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021			

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	21	37

AS-BUILT INFORMATION
CONTRACTOR SALL
SPINELLO-DCS 2/24/22
MICRO-FILM INFORMATION

BENCH MARKS
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N=1470741.879 ; E=1488701.82
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ENGINEER'S SEAL
ASA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER
02/23/21

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGNED BY ANW DATE 02/2021
DRAWN BY thor DATE 02/2021
CHECKED BY ANW DATE 02/2021

RECORD DRAWING

LIGHTING INCIDENTAL ITEMS

1. ANCHOR BOLTS FOR FOUNDATIONS.
2. GROUND RODS FOR FOUNDATIONS.
3. UNIVERSAL SUPPORT BRACKETS FOR SERVICE RISERS.
4. CONCRETE FOUNDATION FOR LIGHTING CONTROL CABINETS INCLUDING EXCAVATION, BACKFILL, CONCRETE GROUND RODS, AND ANCHOR BOLTS.
5. REWIRING OF ANY EXISTING LUMINAIRS TO REMAIN OR BE RESET.
6. TRAINING FOR AND ADJUSTMENTS OF HIGH MAST LIGHTING SYSTEMS.
7. COSTS FOR LOCAL POWER COMPANY TO PROVIDE POWER SERVICE.
8. BREAKAWAY SYSTEMS FOR LIGHTING STANDARDS.
9. PROVIDE DOUBLE FUSING IN THE BASE OF EACH LIGHTING STANDARD.

CITY OF ALBUQUERQUE
ARTERIAL / COLLECTOR ROADWAY LIGHTING CRITERIA

FIXTURE PLACEMENT
COMPLY WITH LATEST ANSI/IESNA RP-8-00 STANDARD PRACTICE FOR ROADWAY ILLUMINANCE

FIXTURE REQUIREMENTS
LED ROADWAY FIXTURE, TYPE 3 DISTRIBUTION, 400W HPS EQUIVALENT

MINIMUM FIXTURE EFFICACY REQUIREMENTS:
100 HPS EQUIVALENT:
3700 LUMENS MINIMUM
50 WATT MAX
80 LU / WATT EFFICACY

250 HPS EQUIVALENT:
11,800 LUMENS MINIMUM
150 WATT MAX
80 LU / WATT EFFICACY

400 HPS EQUIVALENT:
20,000 LUMENS
250 WATT MAX
80 LU / WATT EFFICACY

NO PHOTOCELL REQUIRED
APPROVED MANUFACTURER'S:
AMERICAN ELECTRIC
GENERAL ELECTRIC

POLE REQUIREMENTS
TAPERED ALUMINUM POLE
NOMINAL 30 FOOT MAXIMUM HEIGHT FOR COLLECTOR ROADWAYS
NOMINAL 40 FOOT MAXIMUM HEIGHT FOR ARTERIAL ROADWAYS
10 FOOT ALUMINUM ARM
FUSED BASE
BREAKAWAY BASE

CONCRETE POLE BASE
USE CITY OF ALBUQUERQUE STREET LIGHTING FOUNDATION DETAILS DRAWING 2580.

1 WIRING METHODS
UNDERGROUND CONDUIT, SCHEDULE 40 PVC, 2 INCH MINIMUM, BURIED 36 INCHES BFG.
ALUMINUM WIRE ONLY, SIZED FOR MAXIMUM VOLTAGE DROP OF 5 PERCENT AT THE LAST FIXTURE. MINIMUM SIZE SHALL BE #2 AL.
PROVIDE AFFIXED LABEL "ALUMINUM WIRING" ABOVE POLE HAND-HOLE.

POLYMER PULLBOXES
USE NMDOT PULLBOX SPECIFICATION AND INSTALLATION STANDARDS REQUIRED AT EACH POLE

METERED POWER PEDESTAL
USE CITY OF ALBUQUERQUE STREET LIGHTING CONTROL CABINET DETAIL DRAWING 2573.
SIX CIRCUIT MINIMUM CAPACITY.
INTEGRAL PHOTOCELL CONTROL OF LIGHTING CIRCUITS

LED LUMINAIRE WARRANTY
A. THE ENTIRE LUMINAIRE ASSEMBLY INCLUDING MATERIALS, WORKMANSHIP, PHOTOMETRICS, LABOR, POWER SUPPLY AND LED MODULES SHALL HAVE A MINIMUM FIVE (5) YEAR WARRANTY FROM THE DATE OF ACCEPTANCE.
B. IF MORE THAN 5% OF THE INDIVIDUAL LED'S FAIL WITHIN THE WARRANTY PERIOD THE LUMINAIRE MUST BE REPAIRED OR REPLACED.
C. THE WARRANTY WILL NOT BE AFFECTED BY OPENING THE POWER DOOR AND/OR ACCESSING THE ELECTRICAL CAVITY.
D. THE SPECIFIED PAINT FINISH SHALL HAVE A MINIMUM FIVE (5) YEAR WARRANTY FROM THE DATE OF ACCEPTANCE.

CITY OF ALBUQUERQUE
RESIDENTIAL ROADWAY LIGHTING CRITERIA

FIXTURE PLACEMENT
INTERSECTIONS
CUL DE SACS STREETS OVER 200 FEET IN LENGTH
RIGHT ANGLE TURNS
MID BLOCK LOCATIONS WHERE BLOCK LENGTHS EXCEED 500'

FIXTURE REQUIREMENTS
LED ROADWAY FIXTURE, TYPE 3 DISTRIBUTION
APPROXIMATELY 100 WATT HPS EQUIVALENT
MINIMUM FIXTURE EFFICACY REQUIREMENTS:
100 HPS EQUIVALENT:
3700 LUMENS MINIMUM
50 WATT MAX
80 LU / WATT EFFICACY

250 HPS EQUIVALENT:
11,800 LUMENS MINIMUM
150 WATT MAX
80 LU / WATT EFFICACY

400 HPS EQUIVALENT:
20,000 LUMENS
250 WATT MAX
80 LU / WATT EFFICACY

NO PHOTOCELL REQUIRED

APPROVED MANUFACTURER'S:
AMERICAN ELECTRIC
GENERAL ELECTRIC

POLE REQUIREMENTS
TAPERED ALUMINUM POLE
NOMINAL 23 FOOT 6 INCH MAXIMUM HEIGHT FOR RESIDENTIAL ROADWAYS
6 FOOT ALUMINUM ARM
FUSED BASE
BREAKAWAY BASE

CONCRETE POLE BASE
USE CITY OF ALBUQUERQUE STREET LIGHTING FOUNDATION DETAILS DRAWING 2580.

1 WIRING METHODS
UNDERGROUND CONDUIT, SCHEDULE 40 PVC, 2 INCH MINIMUM, BURIED 36 INCHES BFG
ALUMINUM WIRE ONLY, SIZED FOR MAXIMUM VOLTAGE DROP OF 5 PERCENT AT THE LAST FIXTURE. MINIMUM SIZE SHAL BE #2 AL.
PROVIDE AFFIXED LABEL "ALUMINUM WIRING" ABOVE POLE HAND-HOLE.

POLYMER PULLBOXES
USE NMDOT PULLBOX SPECIFICATION AND INSTALLATION STANDARDS.
REQUIRED AT EACH POLE

METERED POWER PEDESTAL
USE CITY OF ALBUQUERQUE STREET LIGHTING CONTROL CABINET DETAIL DRAWING 2573.
SIX CIRCUIT MINIMUM CAPACITY.
INTEGRAL PHOTOCELL CONTROL OF LIGHTING CIRCUITS

LED LUMINAIRE WARRANTY
A. THE ENTIRE LUMINAIRE ASSEMBLY INCLUDING MATERIALS, WORKMANSHIP, PHOTOMETRICS, LABOR, POWER SUPPLY AND LED MODULES SHALL HAVE A MINIMUM FIVE (5) YEAR WARRANTY FROM THE DATE OF ACCEPTANCE.
B. IF MORE THAN 5% OF THE INDIVIDUAL LED'S FAIL WITHIN THE WARRANTY PERIOD THE LUMINAIRE MUST BE REPAIRED OR REPLACED.
C. THE WARRANTY WILL NOT BE AFFECTED BY OPENING THE POWER DOOR AND/OR ACCESSING THE ELECTRICAL CAVITY.
D. THE SPECIFIED PAINT FINISH SHALL HAVE A MINIMUM FIVE (5) YEAR WARRANTY FROM THE DATE OF ACCEPTANCE.

LIGHTING GENERAL NOTES

1. CONTRACTOR SHALL CONTACT THE CITY OF CITY OF ALBUQUERQUE TRAFFIC DEPARTMENT FOR APPROVED PRODUCTS LISTING FOR ROADWAY LIGHTING COMPONENTS.
2. THE CONTRACTOR SHALL COORDINATE WITH THE TRAFFIC ENGINEERING CONSULTANT AND PROVIDE THE (CITY OF ALBUQUERQUE) WITH A SET OF AS-BUILT DRAWINGS OF THE STREET LIGHTING.
3. LOCATIONS OF CONDUIT, FOUNDATIONS, PULL BOXES, AND CONTROL CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES AND TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE PROJECT MANAGER IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY.
4. LIGHT STANDARDS SHALL HAVE BREAKAWAY SYSTEM. BREAKAWAY SYSTEMS WILL BE CONSIDERED INCIDENTAL TO THE STANDARD.
5. ALL ROADWAY AND OVERHEAD SIGN LIGHTING CIRCUITS ON THIS PROJECT SHALL BE 240 VOLTS.
6. EACH CIRCUIT FOR ROADWAY LIGHTING SHALL BE INSTALLED IN SEPARATE CONDUITS UNLESS APPROVED OTHERWISE.
7. EACH TIME A ROADWAY LUMINAIRE IS TURNED ON OR OFF THE CONTRACTOR SHALL COORDINATE WITH THE FOLLOWING REPRESENTATIVES:

   PNM
   CITY OF ALBUQUERQUE
8. POWER SHALL NEITHER BE TURNED ON OR OFF UNTIL RESPONSIBLE PARTIES FOR EACH LIGHTING SYSTEM HAVE BEEN NOTIFIED.
9. RESPONSIBILITY AND MAINTENANCE OF LIGHTING SYSTEMS INSTALLED AS PART OF THIS PROJECT SHALL BE AS FOLLOWS:

   A. ROADWAY LIGHTING SHALL BE ACCEPTED AND MAINTAINED BY CITY OF ALBUQUERE. THE CONTRACTOR SHALL PROVIDE CITY OF ALBUQUERQUE AND PNM FIVE (5) WORKING DAYS NOTICE IN ADVANCE OF TURNING ON THE SYSTEM TO ALLOW CITY OF ALBUQUERQUE AND PNM TO INSPECT AND APPROVE THE SYSTEM BEFORE IT IS TURNED ON.
10. THE CONTRACTOR SHALL PAY FOR COSTS FOR PNM TO PROVIDE POWER SERVICE. THESE COSTS WILL BE MEASURED AND PAID UNDER CONTRACT ITEM "POWER SERVICE INSTALLATION." LUMP SUM FOR POWER SERVICE SHALL INCLUDE WORK AS SHOWN ON PLANS.
11. THE CONTRACTOR SHALL FURNISH AND INSTALL TYPE III, FULL CUTOFF FLAT GLASS LUMINAIRES TO CONFORM WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT.
12. THE CONTRACTOR SHALL ARRANGE A NIGHT INSPECTION OF THE LIGHTING SYSTEM WITH THE PROJECT MANAGER, CITY OF ALBUQUERQUE, AND PNM TO ENSURE COMPLIANCE WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT AND PROPER LEVELING OF LUMINAIRE HEADS.
13. LIGHTING CONTROL CABINETS SHALL BE OF THE FOLLOWING TYPE:

   A. 6 CIRCUIT
   METERED

   LIGHTING IS TO BE SERVED BY METER PEDESTAL.
14. LIGHTING STANDARDS SHALL BE LOCATED AS FOLLOWS:

   A. ON SECTIONS WITH CURB, GUTTER, AND SIDEWALK, PLACE FOUNDATION DIRECTLY BEHIND SIDEWALK

   B. ON SECTIONS WITH CURB AND GUTTER WITHOUT SIDEWALK, PLACE FOUNDATION 10' BACK FROM CURB AND GUTTER

   C. ON SECTIONS WITHOUT CURB AND GUTTER, PLACE FOUNDATION 12' BACK FROM EDGE OF DRIVING LANE.
15. LIGHTS NEAR EXISTING OVERHEAD TRANSMISSION LINES MUST MAINTAIN VERTICAL CLEARANCE
16. LIGHTING SHALL BE COMPLETED WITH CONSTRUCTION PHASING. NEW LIGHTING SHALL BE OPERATIONAL PRIOR TO OPENING THE ROADWAY TO TRAFFIC.
17. ALL CONDUIT INSTALLED IN A TRENCH SHALL BE MINIMUM OF 30" DEEP AND FLAGGED WITH CAUTION TAPE ONE FOOT ABOVE THE CONDUIT.
18. ALL CONDUITS, INCLUDING ANY EMPTY CONDUITS SHALL HAVE A BARE #8 COPPER GROUND INSTALLED.

CITY OF ALBUQUERQUE
ADDITIONAL INSTALLATION REQUIREMENTS

1. UNDERGROUND CONDUCTORS SHALL RUN CONTINUOUS THROUGH THE PULL BOX TO THE LIGHT POLE AND SHALL ONLY BE SPLICED IN THE LIGHT POLE.
2. LEAVE 3 FEET OF SLACK WIRE COILED IN EACH PULL BOX.

GENERAL ELECTRICAL NOTES

1. WORK COVERED BY THESE DRAWINGS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES AND MATERIALS, AND PERFORMING ALL OPERATIONS, INCLUDING CUTTING, CHANNELING, AND UNDERGROUND SYSTEMS AS INDICATED.
2. ALL ELECTRICAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMAN LIKE MANNER IN FULL ACCORDANCE WITH NATIONAL ELECTRICAL CODE (NEC), NATIONAL ELECTRIC SAFETY CODE (NESC), AND LOCAL AND STATE SAFETY CODES.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION WITH UTILITY COMPANIES. VERIFY EXACT REQUIREMENTS PRIOR TO ROUGH-IN. THERE SHALL BE NO EXTRA COSTS TO THE OWNER FOR CONTRACTOR'S FAILURE TO COORDINATE UTILITY REQUIREMENTS.
4. SHOULD THE CONTRACTOR DETECT ANY DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND LEGAL OR SAFETY REQUIREMENTS FOR THE PROJECT, HE SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING. ONCE NOTIFIED, THE ENGINEER SHALL MODIFY THE CONTRACT DOCUMENTS ACCORDINGLY. IF THE CONTRACTOR PROCEEDS WITH ANY WORK WHICH IS IN VARIANCE OF KNOWN LEGAL OR SAFETY REQUIREMENTS, THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THIS WORK AND SHALL PROMPTLY CORRECT THE WORK WHEN NOTIFIED WITHOUT ADDITIONAL COST TO THE OWNER.
5. APPROVED WIRING METHODS:
   1. BUILDING WIRE IN PVC CONDUIT, WHERE UNDERGROUND
   2. BUILDING WIRE IN EMT OR MC CONDUIT WHERE EXPOSED

1 6. ALL WIRING SHALL BE ALUMINUM, THHN/THWN INSULATION. MINIMUM CONDUCTOR SIZE SHALL BE #2.
7. EXTERIOR PANEL AND DEVICES SHALL BE INSTALLED IN CONDUIT WITH WEATHER-TIGHT FITTINGS AND IN WEATHER-TIGHT BOXES.
8. ALL METALLIC RACEWAY IN CONTACT WITH EARTH SHALL BE COATED. PROVIDE EITHER PLASTIBOND OR 2 LAYERS SCOTCH #51 HALF-LAPPED.

AS-BUILT INFORMATION
CONTRACTOR SALLS
WORK BY CARTESIAN SURVEYS DATE
INSPECTED BY SPINELLO-DCS DATE 2/24/22
FIELD NOTES BY CARTESIAN SURVEYS DATE
DRAWINGS BY DATE

MICRO-FILM INFORMATION
RECORDED BY
NO. DATE

SURVEY INFORMATION
BENCH MARKS
FIELD NOTES
1 CS-CARTESIAN SURVEYS INC. 05/2020
AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.873 ; E=1488701.82
0-0=0.99967646
Δm=00°17'21.70"
CENTRAL ZONE
ELEVATION=5907.25
(NAD83/NAVD88)

ENGINEER'S SEAL
DAVID M. GONZALES
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
3-15-22

NO.	DATE	CITY COMMENTS REVISIONS / REMARKS	BY
1	3.1.20	DESIGN	DJS

DESIGNED BY AEDI DATE 02/2021
DRAWN BY AEDI DATE 02/2021
CHECKED BY DJS/DMG DATE 02/2021

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

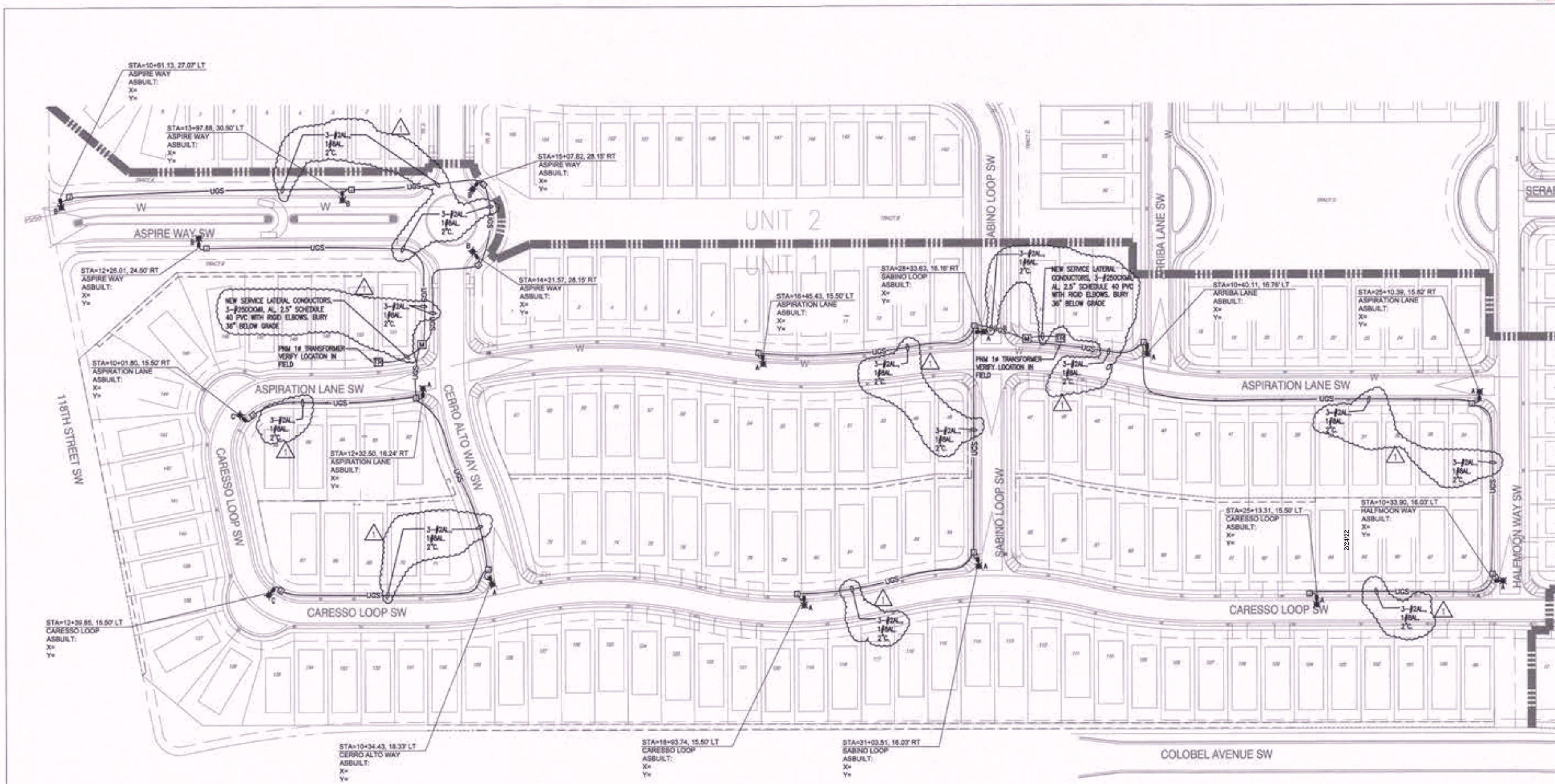
ASPIRE SUBDIVISION, UNIT 1

ROADWAY LIGHTING GENERAL NOTES AND STANDARDS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 22 Of 37

RECORD DRAWING



STREET LIGHTING PLAN

NORTH

SCALE 1"=60'
0 30 60'

GENERAL NOTES:

1. ALL ELECTRICAL TO MEET NATIONAL, STATE AND LOCAL CODES.
2. ALL GROUNDING TO COMPLY WITH ARTICLE 250 OF THE NEC AND STATE OF NEW MEXICO ELECTRIC CODE.
3. SEE DRAWINGS 25 AND 26 FOR INSTALLATION, POLE BASE, SERVICE PEDESTAL/CONTROL CABINET AND PULL BOX DETAILS.

CITY OF ALBUQUERQUE
ADDITIONAL INSTALLATION REQUIREMENTS

1. UNDERGROUND CONDUCTORS SHALL RUN CONTINUOUS THROUGH THE PULL BOX TO THE LIGHT POLE AND SHALL ONLY BE SPLICED IN THE LIGHT POLE.
2. LEAVE 3 FEET OF SLACK WIRE COILED IN EACH PULL BOX.

SYMBOL LEGEND

- STREET LIGHT
- M — LIGHTING SERVICE AND CONTROL PEDESTAL
- J — PULL BOX
- —UGS— UNDERGROUND LIGHTING CIRCUIT. 240 VOLTS.
- TR — 1-PHASE PNM TRANSFORMER

LIGHTING FIXTURE SCHEDULE
Aspire – Street Light Plan

Type	Manufacturer	Catalog Number	CCT / Lumens / Watts	Mounting	Description
A	AMERICAN ELECTRIC	ATBSEMVOLTR2NLP7	4000K/4771/40	23'-6" POLE	FULL CUTOFF LED COBRAHEAD
B	AMERICAN ELECTRIC	ATBMFMVOLTR3NLP7	4000K/15741/133	30'-0" POLE	FULL CUTOFF LED COBRAHEAD
C	AMERICAN ELECTRIC	ATBSEMVOLT2NLP7	3000K/3125/23	23'-6" POLE	FULL CUTOFF LED COBRAHEAD

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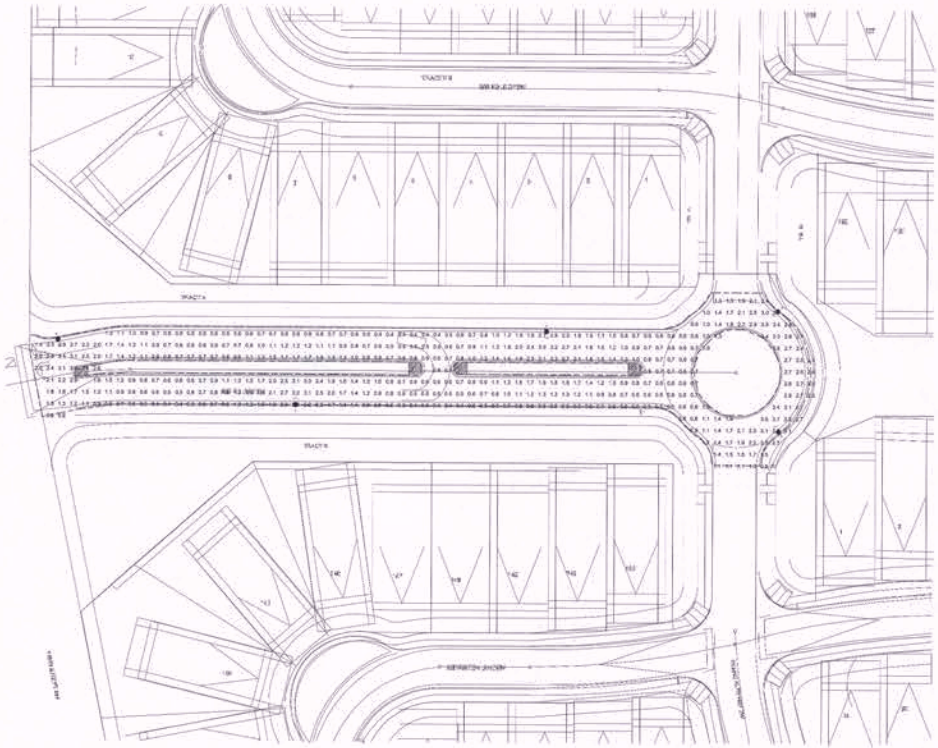
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1

STREET LIGHTING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021			

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 23 Of 37

RECORD DRAWING



STREET LIGHTING PHOTOMETRIC PLAN

NORTH

SCALE 1"=40'
0 20 40'

Schedule										
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
◇ ○ •	B	5	American Electric Lighting	ATBM P30 XXXXX R3 4K/5K	ATBM, Performance Package P30, Type 3, 4000K/5000K CCT	1	ATBM_P30_XXXXX_R3_4K_5K.ies	15452	1	118

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
GRADE LEVEL	+	1.3 fc	3.7 fc	0.4 fc	9.3:1	3.3:1

Note
1. Heads are 30' above grade.

AS-BUILT INFORMATION
CONSTRUCTION STAKED BY: SALL
FIELD CHECK BY: CARTESIAN SURVEYS DATE
ADDITIONS BY: SPINELLO-DCS DATE 2/24/22
FIELD CHECK BY: CARTESIAN SURVEYS DATE
COMPARED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.879 ; E=1468701.82
C-O=0.99967646
Δα=00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES:
1. TOPOGRAPHIC SURVEYS INC. 02/2020

ENGINEER'S SEAL
M. GONZALES
NEW MEXICO
12-31-21

NO.	DATE	REVISIONS	BY
		DESIGN	
		REMARKS	
DESIGNED BY	AEDi	DATE	02/2021
DRAWN BY	AEDi	DATE	02/2021
CHECKED BY	DJS/DMG	DATE	02/2021

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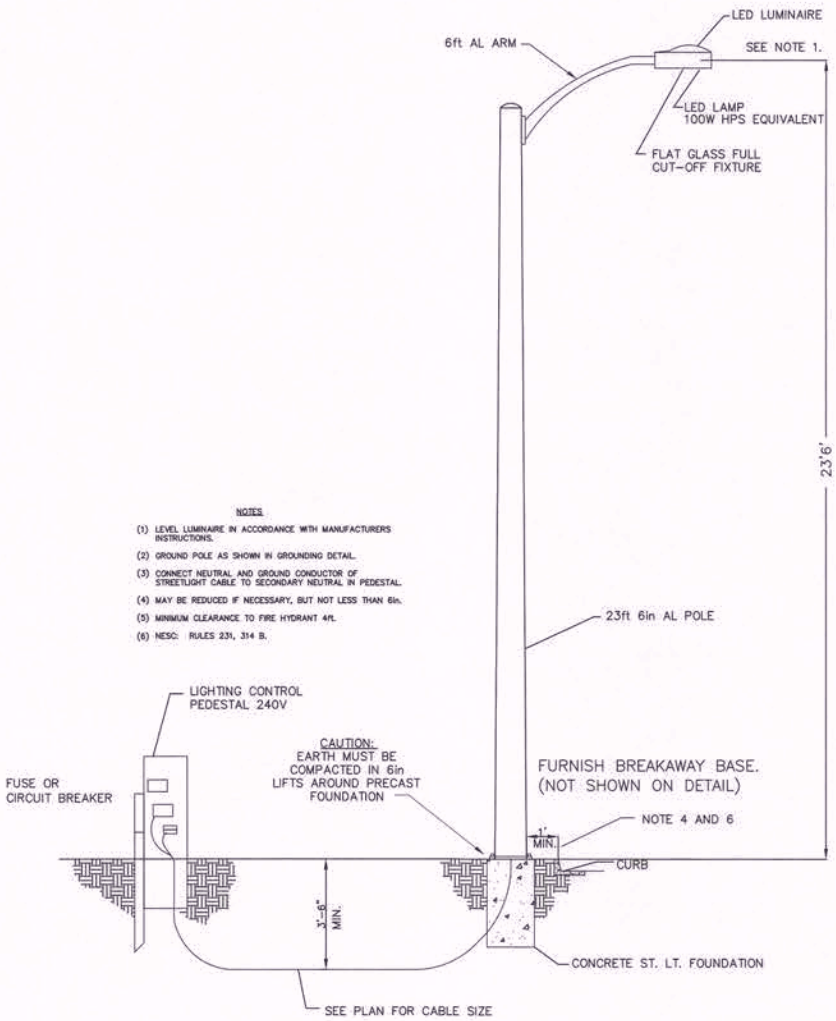
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1
STREET LIGHTING PHOTOMETRIC PLAN

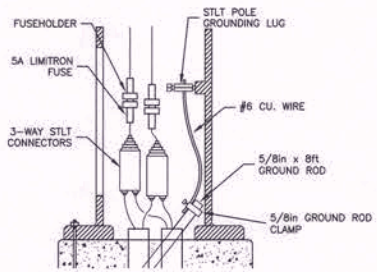
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 24 Of 37

RECORD DRAWING



FOR TYPE A & C
240V UNDERGROUND FED RESIDENTIAL STREETLIGHT



FUSING AND
GROUNDING DETAIL

AS-BUILT INFORMATION
CONTRACTOR SALLS
BOARD OF CARTESIAN SURVEYS DATE
ACCEPTANCE BY SPINELLO-DCS DATE 2/24/22
FIELD LOCATION BY CARTESIAN SURVEYS DATE
COMPLETED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.879 ; E=1488701.82
C-O=0.999676466
Δα=00°17'21.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES
1 CS-CARTESIAN SURVEYS INC. 12/2020

ENGINEER'S SEAL
M. GONZALES NEW MEXICO 14847 REGISTERED PROFESSIONAL ENGINEER 2-12-21

NO.	DATE	REVISIONS / REMARKS	BY
		DESIGN	
DESIGNED BY	AEDi	DATE 02/2021	
DRAWN BY	AEDi	DATE 02/2021	
CHECKED BY	DJS/RMG	DATE 02/2021	

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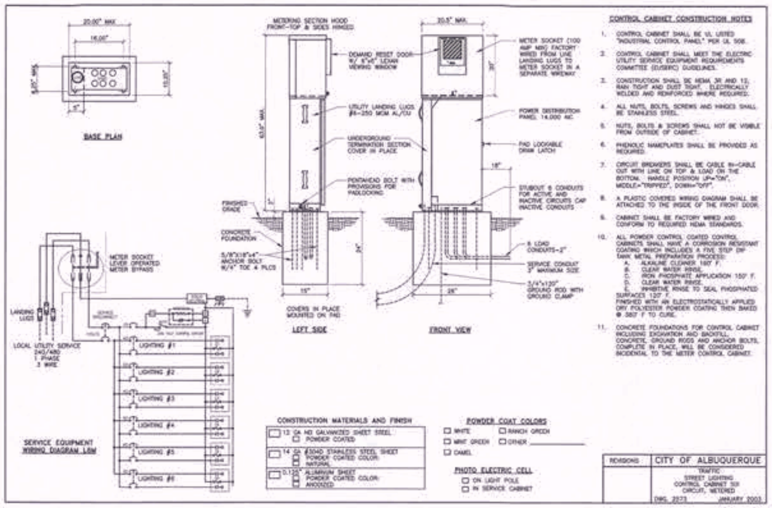
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1

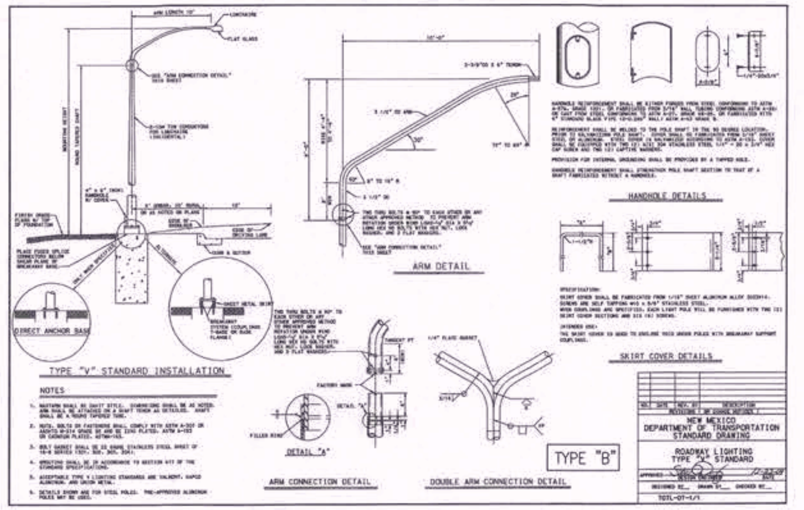
ELECTRICAL DETAILS

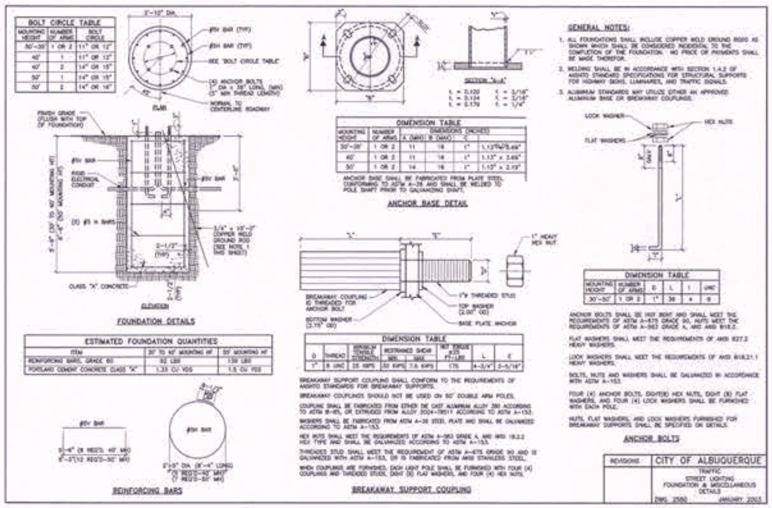
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

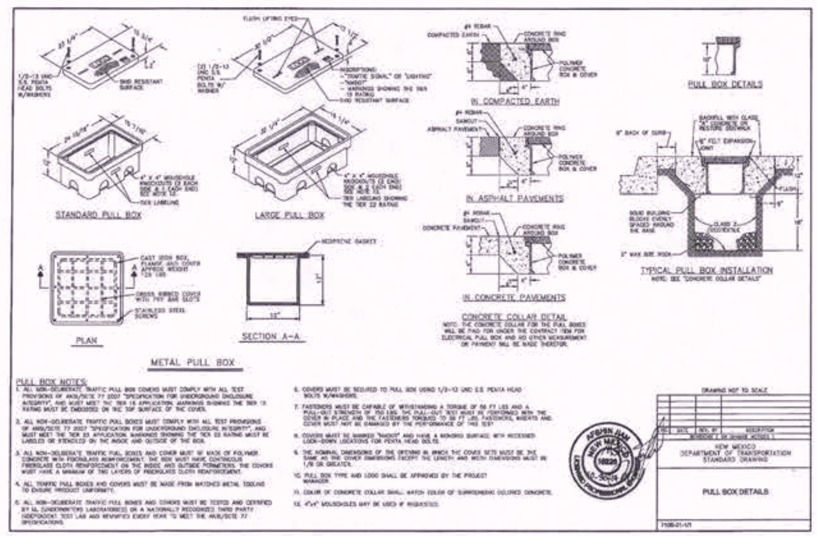
City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	25	37

RECORD DRAWING









ALL POLES TO HAVE BREAK AWAY BASE

PULL BOX COVER INSCRIPTION SHALL READ "STREET LIGHTING"

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AS-BUILT INFORMATION

CONTRACTOR SALLS

STAKED BY CARTESIAN SURVEYS DATE 2/24/22

INSPECTOR'S ACCEPTANCE BY SPINELLO-DCS

FIELD VERIFICATION BY CARTESIAN SURVEYS

DRAWINGS CORRECTED BY

BENCH MARKS

AGRS MONUMENT AND BENCHMARK "1-N8"

N=1470741.879 ; E=1488701.62

G-G=0.99976466

Δα=-00°17'27.70"

CENTRAL ZONE

ELEVATION=5307.25

(NAD83/NAVD88)

SURVEY INFORMATION FIELD NOTES

1 | CS-CARTESIAN SURVEYS INC. | 02/2020

ENGINEER'S SEAL

NO.	DATE	BY	REVISIONS REMARKS

DESIGN: DESIGNED BY AEDI DATE 02/2021; DRAWN BY AEDI DATE 02/2021; CHECKED BY DJS/DMG DATE 02/2021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ASPIRE SUBDIVISION, UNIT 1

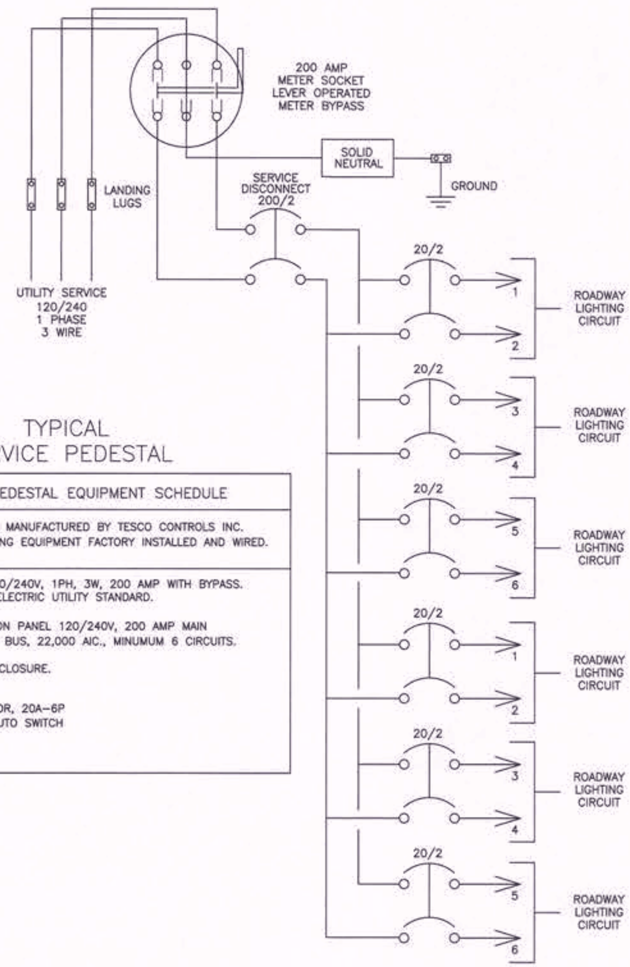
ELECTRICAL DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021			

LAST DESIGN UPDATE

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 26 Of 37

RECORD DRAWING

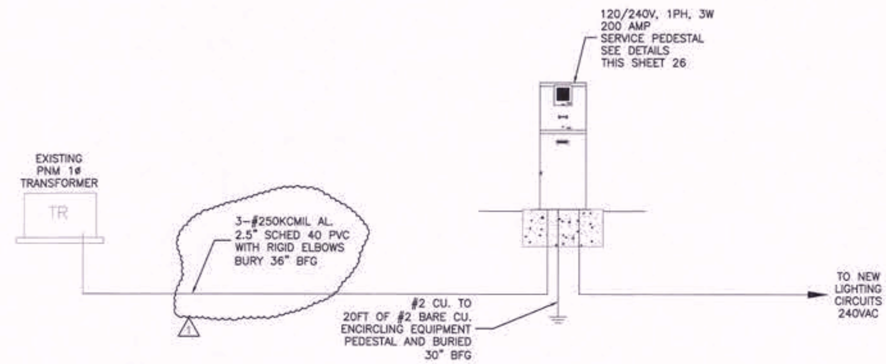


LIGHTING CONTROL CABINET (SERVICE PEDESTAL) - WIRING DIAGRAM

SCALE: NONE

TYPICAL SERVICE PEDESTAL

SERVICE PEDESTAL EQUIPMENT SCHEDULE
SERVICE PEDESTAL MANUFACTURED BY TESCO CONTROLS INC. WITH THE FOLLOWING EQUIPMENT FACTORY INSTALLED AND WIRED.
[1] METER SOCKET 120/240V, 1PH, 3W, 200 AMP WITH BYPASS. MUST MEET PNM ELECTRIC UTILITY STANDARD.
[2] POWER DISTRIBUTION PANEL 120/240V, 200 AMP MAIN BREAKER. COPPER BUS, 22,000 AIC., MINUMUM 6 CIRCUITS.
[3] PAINTED STEEL ENCLOSURE.
[4] LIGHTING CONTACTOR, 20A–6P WITH HAND/OFF/AUTO SWITCH
[5] PHOTOCELL



ELECTRICAL SERVICE RISER DIAGRAM

SCALE: NONE

AS–BUILT INFORMATION
CONTRACTOR SALLS
WORK STAKED BY CARTESIAN SURVEYS DATE
INSPECTOR'S ACCEPTANCE BY SPINELLO-DCS DATE 2/24/22
FIELD VERIFICATION BY CARTESIAN SURVEYS DATE
DRAWINGS CORRECTED BY DATE
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACRS MONUMENT AND BENCHMARK "1–N8"
N=1470741.879 ; E=1488701.82
G–G=0.999676466
Δα=-00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES
1 | CSI-CARTESIAN SURVEYS INC. | 02/2020

ENGINEER'S SEAL

NO.	DATE	CITY COMMENTS REVISIONS REMARKS	BY
1	3.1.20		DJS

REVISIONS
DESIGN
DESIGNED BY AEDI DATE 02/2021
DRAWN BY AEDI DATE 02/2021
CHECKED BY DJS/DMG DATE 02/2021

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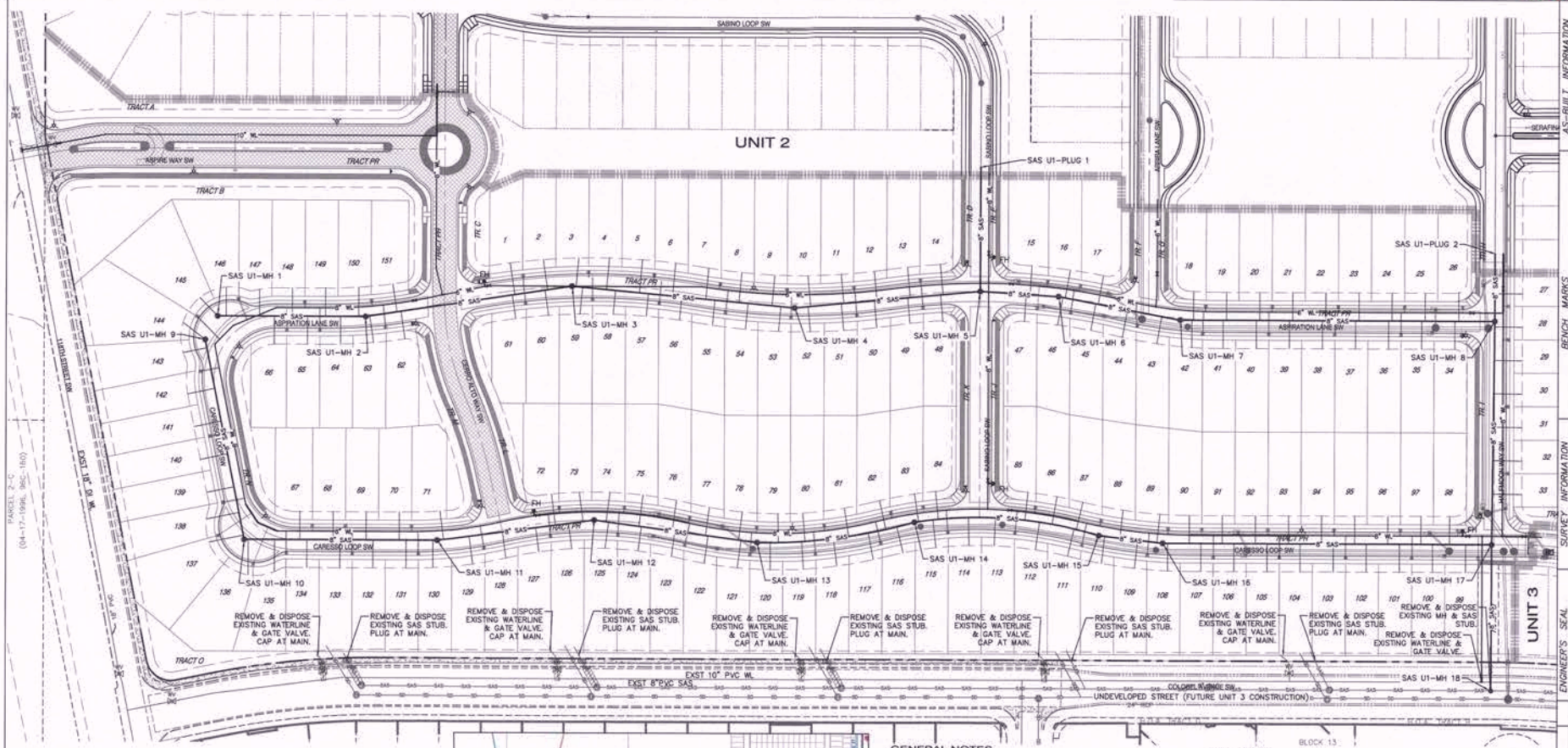
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1

ELECTRICAL DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 27 Of 37

RECORD DRAWING



RESTRAINED JOINT LENGTHS, L_R, FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS, (FT.)					
SIZE	HORZ. BENDS				VALVES & DEAD ENDS
	90°	45°	22 1/2°	11 1/4°	
12	37	15	8	4	102
10	31	13	7	4	87
8	22	11	6	3	72
6	20	9	4	2	55
4	15	6	3	2	39

RESTRAINED JOINT LENGTHS, L_R, FOR REDUCERS, (FT.) MINIMUM UNOBSTRUCTED, STRAIGHT-RUN LENGTH: RESTRAIN EITHER LARGE PIPE, OR SMALL PIPE.				
SIZE	LARGE SIDE	SIZE	LARGE SIDE	
12x10	30	10x8	53	
12x8	54	10x4	71	
12x6	74	8x6	33	
12x4	89	8x4	52	
10x8	29	6x4	29	

THESE TABLES ARE BASED UPON THE FOLLOWING CRITERIA:

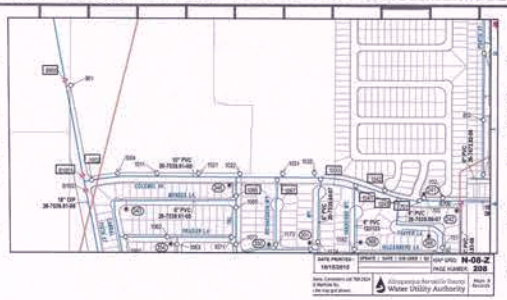
DEPTH OF BURY:	3.0 FT. MINIMUM
FACTOR OF SAFETY:	1.50
MATERIAL:	PVC
SOIL TYPE:	GM/SM – SILTY GRAVELS AND SILTY SANDS, GRAVEL-SAND-SILT MIXTURES.
TEST PRESSURE:	150 PSI
TRENCH TYPE 4:	PIPE BEDDED IN SAND, GRAVEL, OR CRUSHED STONE TO DEPTH OF 1/8 PIPE DIAMETER, 4 INCH MINIMUM; BACKFILL COMPACTED TO TOP OF PIPE.

DIFFERENT CRITERIA, E.G., GREATER DEPTH OF BURY, ETC., WILL REQUIRE DIFFERENT RESTRAINED LENGTHS. THESE MUST BE CALCULATED BY A QUALIFIED PROFESSIONAL ENGINEER AND APPROVED BY ABCWUA.

NOTES:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF OF A MECHANICAL JOINT SHALL BE RESTRAINED AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ON THIS SHEET.
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.

RESTRAINED JOINT LENGTHS FOR WATERLINE FITTINGS



WATER SHUT-OFF PLAN

1 – NON-PRESSURE CONNECTION IN COLOBEL AVE.
SHUT OFF VALVES 701, 1002, 1066, 1067, 1041, 1042 & 1043.

2 – NON-PRESSURE CONNECTION IN 118TH ST.
SHUT OFF VALVES B1001 & B900.

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 VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT: http://www.abcwua.org/ Water_Shut_off_and_Turn_on_Procedures.aspx.

GENERAL NOTES

A. ALL WATER AND SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQURQUE SPECIFICATIONS.
B. SEE SHEET 2C FOR EASEMENT NOTES.
C. SEE THIS SHEET FOR WATER SHUT-OFF PLAN.
D. ALL FITTINGS AND VALVES SHALL HAVE JOINT RESTRAINTS. SEE THIS SHEET FOR
E. ALL CROSSINGS OF WATER AND SEWER LINES SHALL HAVE 18" MIN CLEARANCE. IF 18" CLEARANCE IS NOT POSSIBLE, BOTH PIPES SHALL BE ENCASED IN CONCRETE AND NOTED ON THIS PAGE.
F. DRY UTILITY LOCATIONS AND DESIGN ARE NOT A PART OF THIS PLAN. CONTRACTOR SHALL COORDINATE WITH THE LOCAL DRY UTILITY COMPANIES.
G. SURVEYOR SHALL VERIFY ALL TP ELEVATIONS, RIM AND INVERT ELEVATIONS ON MANHOLES.

COLOBEL AVE.

WL & SAS REMOVALS

- REMOVE & DISPOSE WATERLINE STUBS WITH FITTINGS (180 LF±) AND VALVE BOXES; REMOVE & SALVAGE GATE VALVES (6 EA) AND CAP AT MAIN WHERE INDICATED ON PLAN.
- REMOVE & DISPOSE SANITARY SEWERLINE STUBS (285 LF±) AND PLUG AT MAIN WHERE INDICATED ON PLAN.
- REMOVE AND REPLACE 93 SY± MAJOR LOCAL ASPHALT.
- REMOVE & REPLACE 46 SY± PCC SIDEWALK.
- REMOVE & REPLACE 54 LF± CURB & GUTTER.

LEGEND

- PROPOSED 8" SANITARY SEWER LINE W/ MANHOLE
- PROPOSED 4" SANITARY SEWER SERVICE
- 8"WL – PROPOSED WATERLINE
- FH – PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- DOUBLE / SINGLE WATER METER
- PROPOSED STORM DRAIN W/ MANHOLE
- SAS – EXISTING SANITARY SEWER LINE
- W – EXISTING WATERLINE
- SD – EXISTING STORM DRAIN
- REMOVE & REPLACE MAJOR LOCAL PAVING
- REMOVE & REPLACE CURB & GUTTER AND CONCRETE SDWK/VALLEY GUTTER.

0 30 60 120 180
SCALE 1"=60'

Isaacson & Arfman, Inc.
Civil Engineering Consultants
128 Monroe Street NE
Albuquerque, NM 87108
505-268-8828 | www.iacivil.com

AS-BUILT INFORMATION
CONTRACTOR: SALLS
BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-NB"
N=1470741.879 ; E=1488701.82
G-o=0.999676466
Δm=00°17'2.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)
SURVEY INFORMATION
FIELD NOTES
1 | 03-CARTESIAN SURVEYS INC. | 02/2020
MICRO-FILM INFORMATION
RECORDED BY:
DATE:
NO.:

ENGINEER'S SEAL
ALEX M. WILSSON-HERBERT
NEW MEXICO
17631
PROFESSIONAL ENGINEER
02/25/21

NO.	DATE	REMARKS	BY
1	05/21	REVISED STORM DRAIN TABLES	ANW
		REVISIONS	
DESIGNED BY: ANW		DESIGN	DATE: 02/2021
DRAWN BY: thor			DATE: 02/2021
CHECKED BY: ANW			DATE: 02/2021

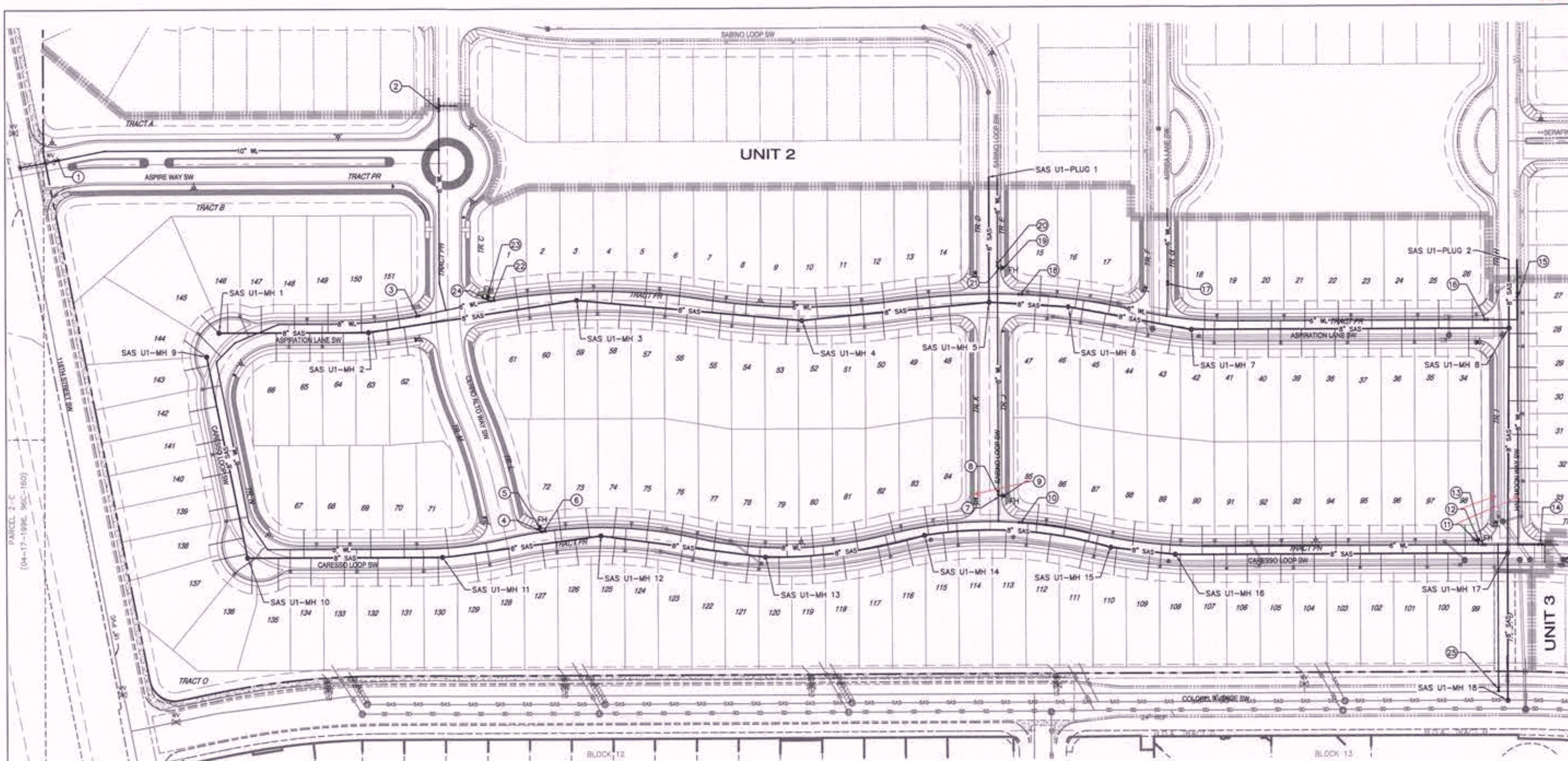
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1

MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE:	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	28	37

RECORD DRAWING



ⓧ AS-BUILT COORDINATES			
NOS.	X	Y	Z
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2	1489836.7	1468552.4	5246.2
3	1489511.5	1468307.7	5242.5
4	1489957.0	1468050.2	5231.8
5	1489955.8	1468057.6	5232.9
6	1489960.8	1468048.9	5231.6
7	1490501.7	1468091.6	5208.7
8	1490499.9	1468095.7	5208.9
9	1490511.2	1468091.7	5209.7
10	1490531.7	1468059.1	5206.6
11	1491123.7	1468085.0	5185.4
12	1491099.9	1468084.9	5186.7
13	1491085.0	1468030.7	5185.7
14	1491146.3	1468031.1	5183.8
15	1491126.4	1468327.4	5188.2
16	1491090.1	1468297.9	5186.1
17	1490708.5	1468343.3	5206.5
18	1490532.9	1468330.3	5212.3
19	1490478.1	1468362.2	5215.9
20	1490504.7	1468367.0	5214.4
21	1490503.0	1468362.5	5214.3
22	1489901.8	1468323.5	5240.7
23	1489694.1	1468331.7	5242.3
24	1489695.5	1468324.1	5240.9
25	1491101.7	1467860.4	5178.1

LEGEND

- PROPOSED 8" SANITARY SEWER LINE W/ MANHOLE
- PROPOSED 4" SANITARY SEWER SERVICE
- PROPOSED WATERLINE
- PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- DOUBLE / SINGLE WATER METER
- PROPOSED STORM DRAIN W/ MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING WATERLINE
- EXISTING STORM DRAIN

SCALE 1"=60'

Isaacson & Arfman, Inc.
Civil Engineering Consultants
128 Monroe Street NE
Albuquerque, NM 87108
505-268-8828 | www.iacivil.com

AS-BUILT INFORMATION
CONTRACTOR SALLS
STAKED BY CARTESIAN SURVEYS DATE 2/24/22
BY SPINELLO-DCS

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.879 ; E=1488701.82
G-G=0.99967646
Δα=00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES
1 | CSI-CARTESIAN SURVEYS INC. | 10/2020

ENGINEER'S SEAL
ASA M. NILSSON-WEBER
NEW MEXICO
17631
02/23/21

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY ANW DATE 02/2021
DRAWN BY thor DATE 02/2021
CHECKED BY ANW DATE 02/2021

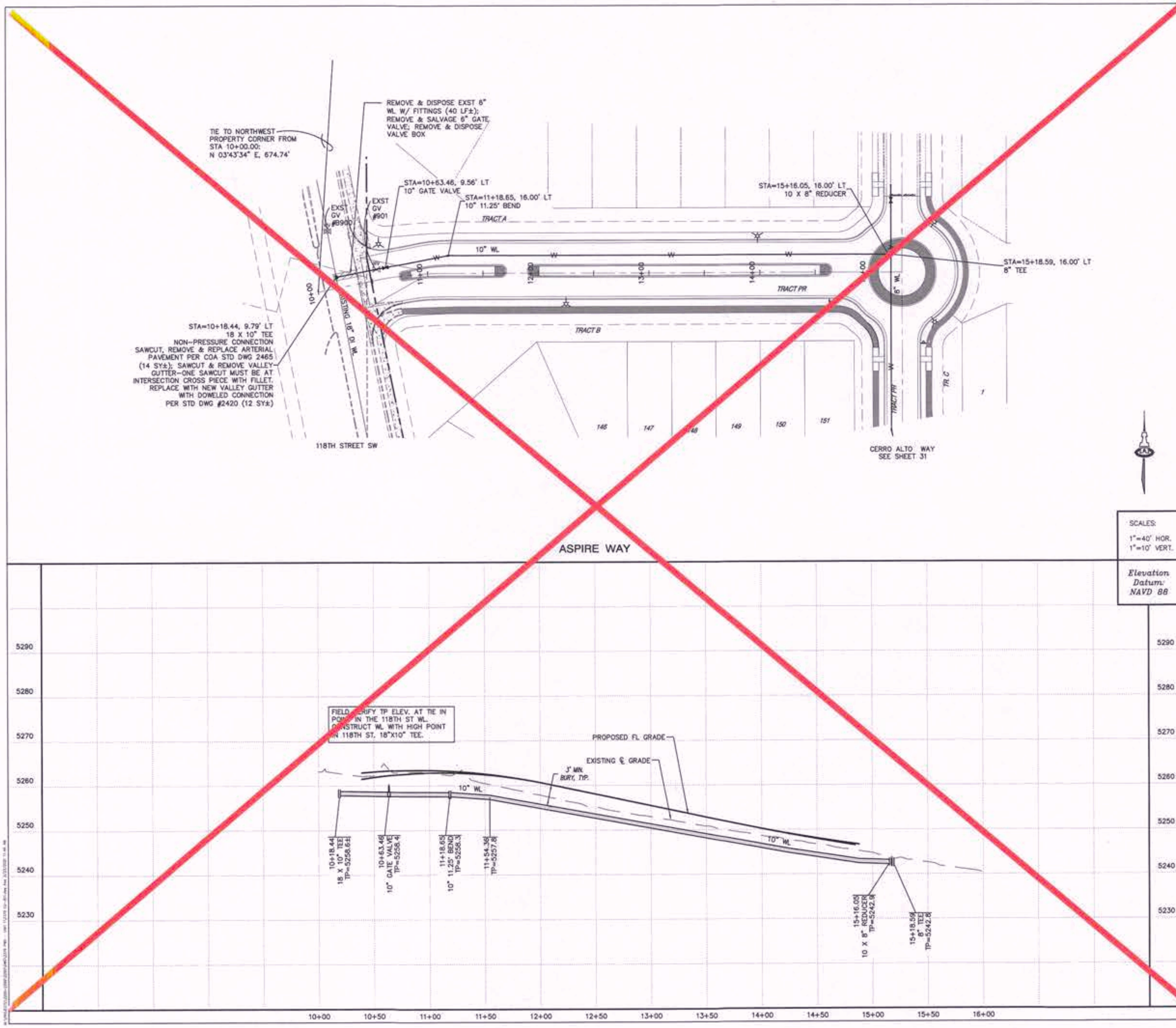
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1

AS-BUILT COORDINATES

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | Mo./DAY/YR. | Mo./DAY/YR.

Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 29 Of 37



UTILITY NOTES

1. CONSTRUCT 4" SAS SERVICES PER ABCWUA STD DWG #2125.
2. CONSTRUCT SAS MANHOLES W/ FRAME & COVER PER ABCWUA STD DWG #2102 & #2109 (CONCENTRIC).
3. WATERLINE CONNECTIONS PER ABCWUA STD DWG 2301.
4. INSTALL NON-PRESSURE CONNECTIONS PER ABCWUA STD DWG 2301.
5. INSTALL WATER VALVE BOX WITH RING AND COVER PER ABCWUA STD DWG 2326 & 2328.
6. CONSTRUCT 3/4" WATER SERVICES AND METER BOXES PER ABCWUA STD DWG #2361, 2362, 2366 & 2368.
7. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
8. SEE SHEET 28 FOR WATER SHUT-OFF PLAN.
9. SEE SHEET 28 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
10. SEE SHEET 29 FOR AS-BUILT COORDINATE TABLES.
11. ALL WATERLINES SHALL BE C-900 UNLESS OTHERWISE NOTED.
12. ALL SANITARY SEWER LINES SHALL BE SDR-35.
13. TRACER WIRE AND APPURTENANCES SHALL BE INSTALLED PER ABCWUA STD DWGS 2190, 2191, 2302, 2327, 2365, 2342, 2379, 2740 & 2741. COST FOR TRACER WIRES & APPURTENANCES SHALL BE INCLUDED IN WATER & SEWER LINE PIPE PAY ITEMS.
14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

AS-BUILT INFORMATION

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.879 ; E=1488701.82
G-G=0.999676466
Δα=00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES
CS-CARTESIAN SURVEYS INC. 07/2020

ENGINEER'S SEAL
ASA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER
02/23/21

MICRO-FILM INFORMATION

NO.	DATE	REVISIONS	BY

DESIGNED BY	ANW	DATE 02/2021
DRAWN BY	thor	DATE 02/2021
CHECKED BY	ANW	DATE 02/2021

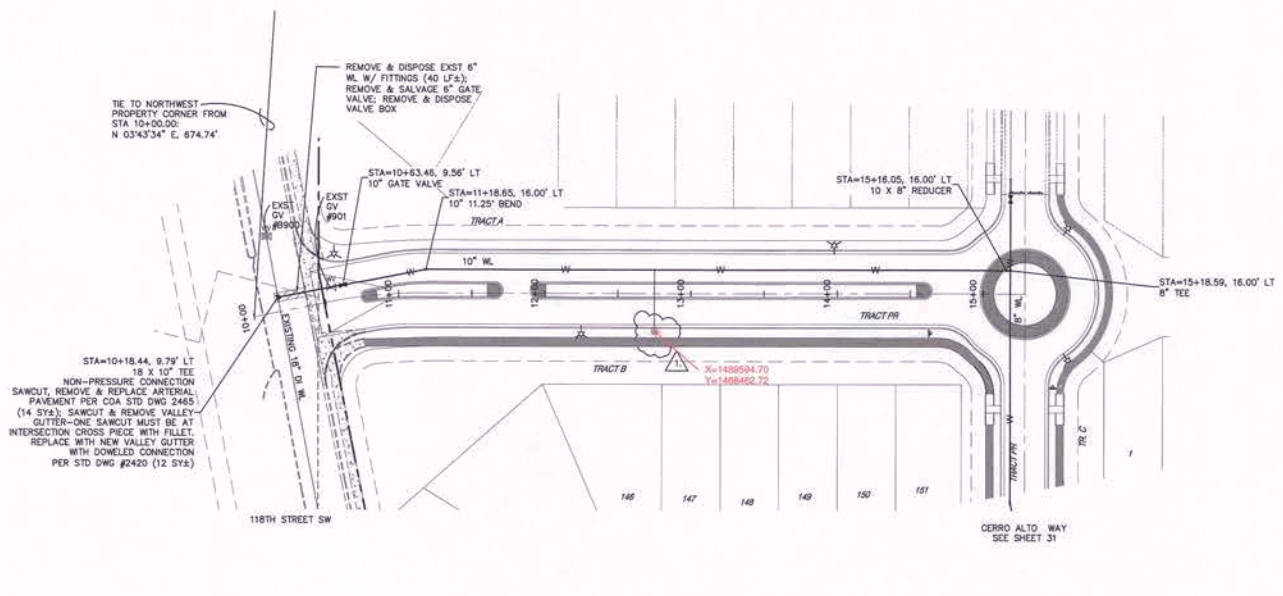
Isaacson & Arfman, Inc.
Civil Engineering Consultants
128 Monroe Street NE
Albuquerque, NM 87108
505-268-8828 | www.iacivil.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1
ASPIRE WAY
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021			

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 30 Of 37

RECORD DRAWING



UTILITY NOTES

1. CONSTRUCT 4" SAS SERVICES PER ABCWUA STD DWG #2125.
2. CONSTRUCT SAS MANHOLES W/ FRAME & COVER PER ABCWUA STD DWG #2102 & #2109 (CONCENTRIC).
3. WATERLINE CONNECTIONS PER ABCWUA STD DWG 2301.
4. INSTALL NON-PRESSURE CONNECTIONS PER ABCWUA STD DWG 2301.
5. INSTALL WATER VALVE BOX WITH RING AND COVER PER ABCWUA STD DWG 2326 & 2328.
6. CONSTRUCT 3/4" WATER SERVICES AND METER BOXES PER ABCWUA STD DWG #2361, 2362, 2366 & 2368.
7. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
8. SEE SHEET 28 FOR WATER SHUT-OFF PLAN.
9. SEE SHEET 28 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
10. SEE SHEET 29 FOR AS-BUILT COORDINATE TABLES.
11. ALL WATERLINES SHALL BE C-900 UNLESS OTHERWISE NOTED.
12. ALL SANITARY SEWER LINES SHALL BE SDR-35.
13. TRACER WIRE AND APPURTENANCES SHALL BE INSTALLED PER ABCWUA STD DWGS 2190, 2191, 2302, 2327, 2365, 2342, 2379, 2740 & 2741. COST FOR TRACER WIRES & APPURTENANCES SHALL BE INCLUDED IN WATER & SEWER LINE PIPE PAY ITEMS.
14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

1.

WATER METER TABLE			
	SIZE	STATION & OFFSET	ALIGNMENT
TR.B IRRIG. METER	1.5" *	12+75.00, 25.8' RT	ASPIRE WAY

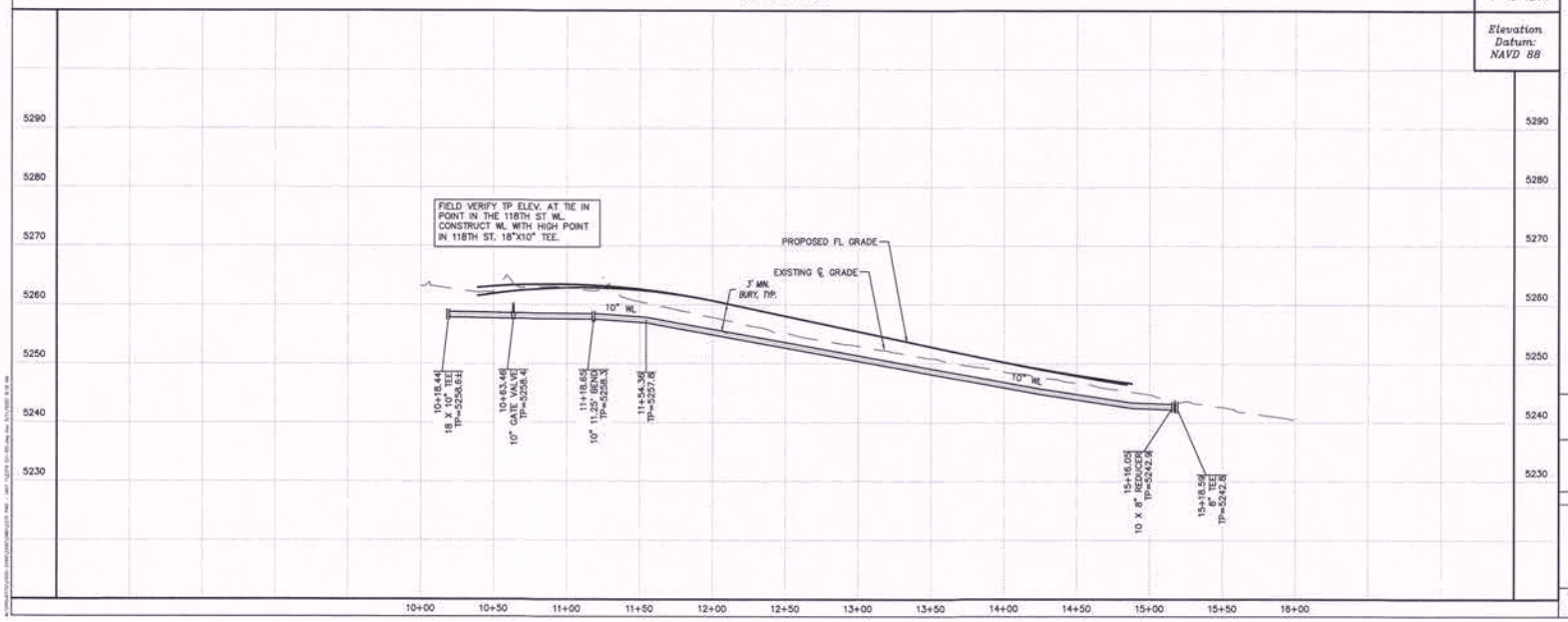
NOTES:
STATIONING IS TO CENTER OF METER BOX. WATER METERS DOUBLE UNLESS NOTED WITH * FOR SINGLE METERS.

WATER METER COORDINATES		
	X	Y
IRRIG. METER		

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88

ASPIRE WAY



AS-BUILT INFORMATION
CONTRACTOR SALLS
SURVEY BY CARTESIAN SURVEYS DATE
ACCEPTANCE BY SPINELLO-DCS DATE 2/24/22
FIELD BOOK NO. CARTESIAN SURVEYS DATE
DRAWING BY DATE
MICRO-FILM INFORMATION
DATE
RECORDED BY
NO.

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-NS"
N=1470741.879 ; E=1488701.82
G-C=0.999976466
Δm=00°17'23.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES
1 CS-CARTESIAN SURVEYS INC. 02/2020

ENGINEER'S SEAL
ISAAC M. NILSSON-REED
NEW MEXICO
17821
REGISTERED PROFESSIONAL ENGINEER
02/23/21

NO.	DATE	REMARKS	BY
1	03/11/21	ADDED 1.5" IRRIG. SERVICE	ANW

REVISIONS
DESIGNED BY ANW DATE 02/2021
DRAWN BY thor DATE 02/2021
CHECKED BY ANW DATE 02/2021

Isaacson & Arfman, Inc.
Civil Engineering Consultants
128 Monroe Street NE
Albuquerque, NM 87108
505-268-8828 | www.iacivil.com

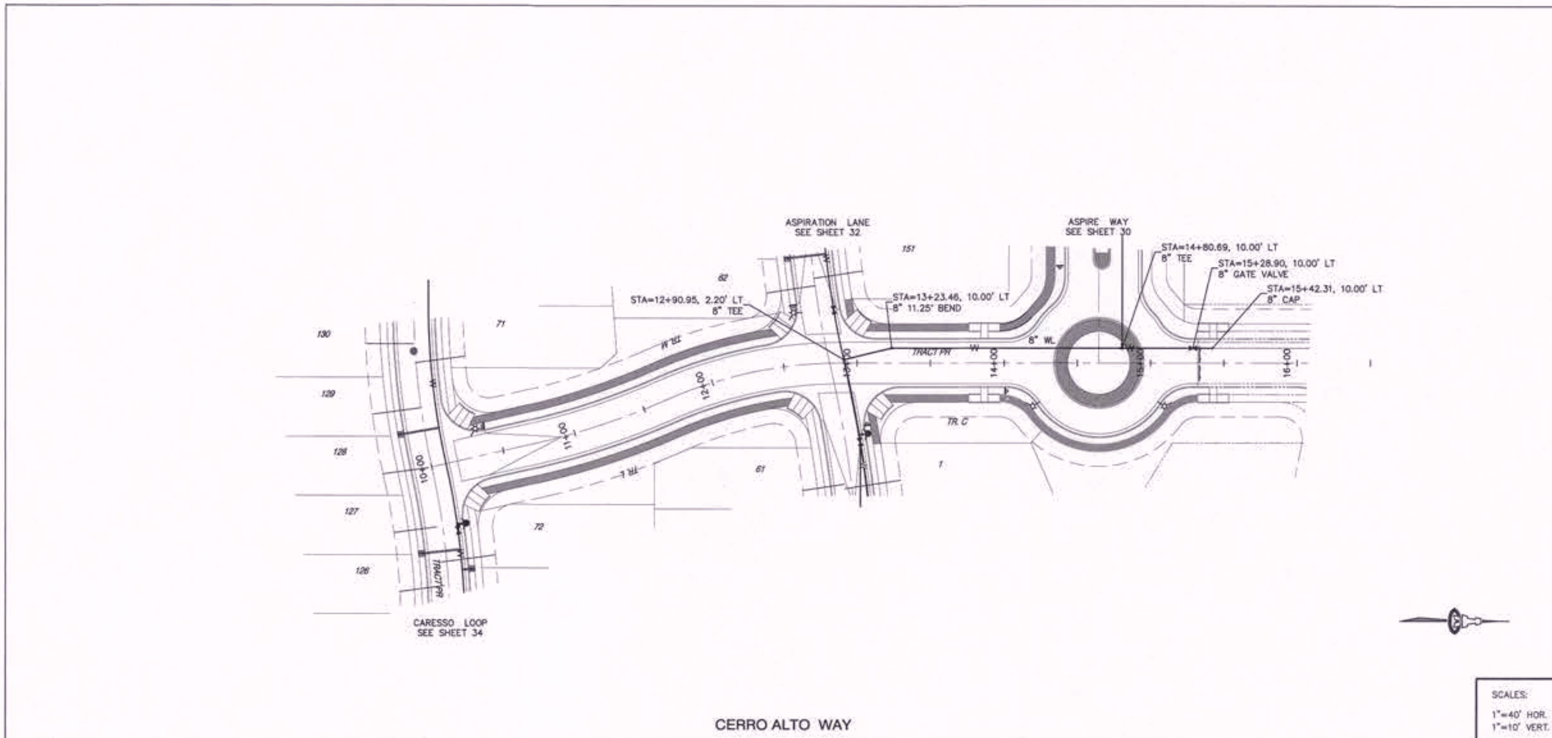
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1

ASPIRE WAY
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 30 Of 37

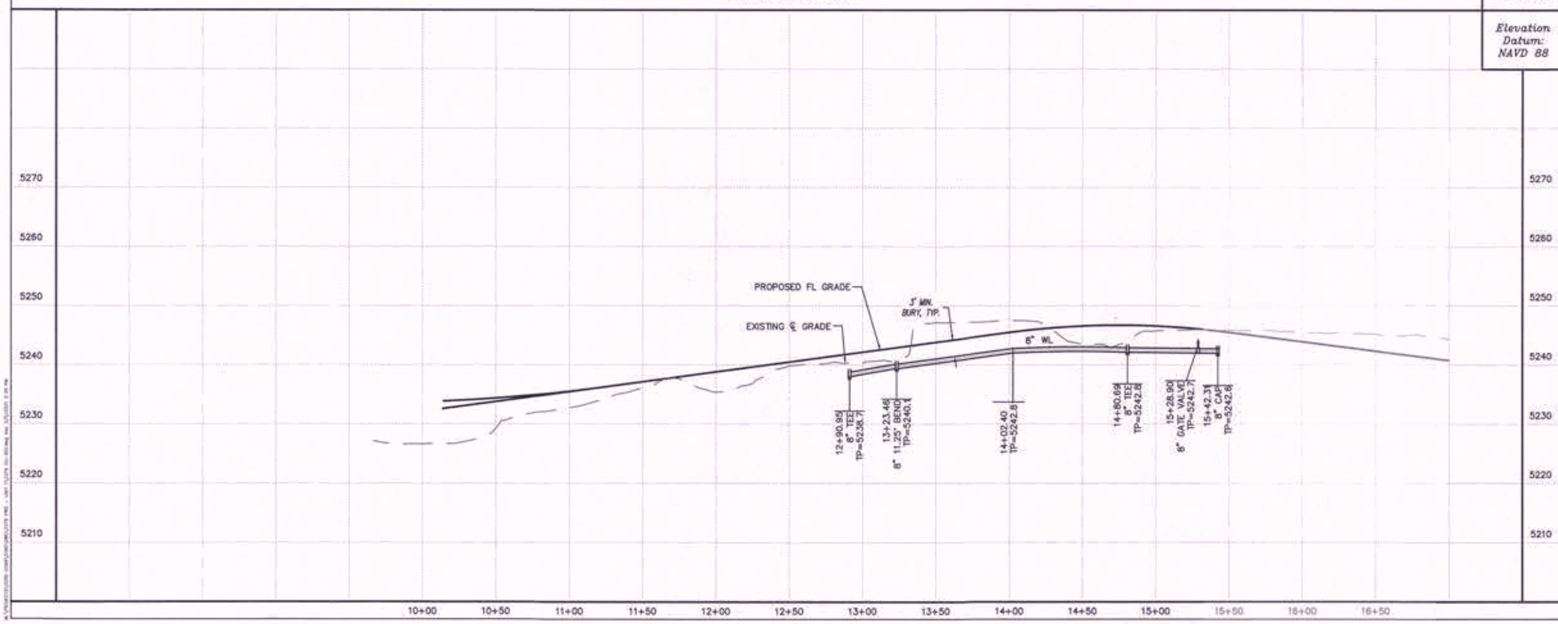
RECORD DRAWING



SCALES:
1"=40' HOR.
1"=10' VERT.

CERRO ALTO WAY

Elevation Datum: NAVD 88



UTILITY NOTES

1. CONSTRUCT 4" SAS SERVICES PER ABCWUA STD DWG #2125.
2. CONSTRUCT SAS MANHOLES W/ FRAME & COVER PER ABCWUA STD DWG #2102 & #2109 (CONCENTRIC).
3. WATERLINE CONNECTIONS PER ABCWUA STD DWG 2301.
4. INSTALL NON-PRESSURE CONNECTIONS PER ABCWUA STD DWG 2301.
5. INSTALL WATER VALVE BOX WITH RING AND COVER PER ABCWUA STD DWG 2326 & 2328.
6. CONSTRUCT 3/4" WATER SERVICES AND METER BOXES PER ABCWUA STD DWG #2361, 2362, 2366 & 2368.
7. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
8. SEE SHEET 28 FOR WATER SHUT-OFF PLAN.
9. SEE SHEET 28 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
10. SEE SHEET 29 FOR AS-BUILT COORDINATE TABLES.
11. ALL WATERLINES SHALL BE C-900 UNLESS OTHERWISE NOTED.
12. ALL SANITARY SEWER LINES SHALL BE SDR-35.
13. TRACER WIRE AND APPURTENANCES SHALL BE INSTALLED PER ABCWUA STD DWGS 2190, 2191, 2302, 2327, 2365, 2342, 2379, 2740 & 2741. COST FOR TRACER WIRES & APPURTENANCES SHALL BE INCLUDED IN WATER & SEWER LINE PIPE PAY ITEMS.
14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

AS-BUILT INFORMATION
CONTRACTOR: SALLS
STAKED BY: CARTESIAN SURVEYS, DATE 2/24/22
INSPECTOR'S ACCEPTANCE BY: SPINELLO-DCS
FIELD VERIFICATION BY: CARTESIAN SURVEYS
DRAWINGS CORRECTED BY:

MICRO-FILM INFORMATION

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.879 ; E=1488701.82
G-G=0.999676466
Δα=00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES
1 | CSI-CARTESIAN SURVEYS INC. | 02/2020

ENGINEER'S SEAL
ASA M. NILSSON-WEBER, NEW MEXICO, 17831, PROFESSIONAL ENGINEER
02/23/21

NO.	DATE	REVISIONS	BY
		REMARKS	

DESIGN
DESIGNED BY ANW DATE 02/2021
DRAWN BY thor DATE 02/2021
CHECKED BY ANW DATE 02/2021

Isaacson & Arfman, Inc.
Civil Engineering Consultants
128 Monroe Street NE
Albuquerque, NM 87108
505-268-8828 | www.iacivil.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ASPIRE SUBDIVISION, UNIT 1

CERRO ALTO WAY

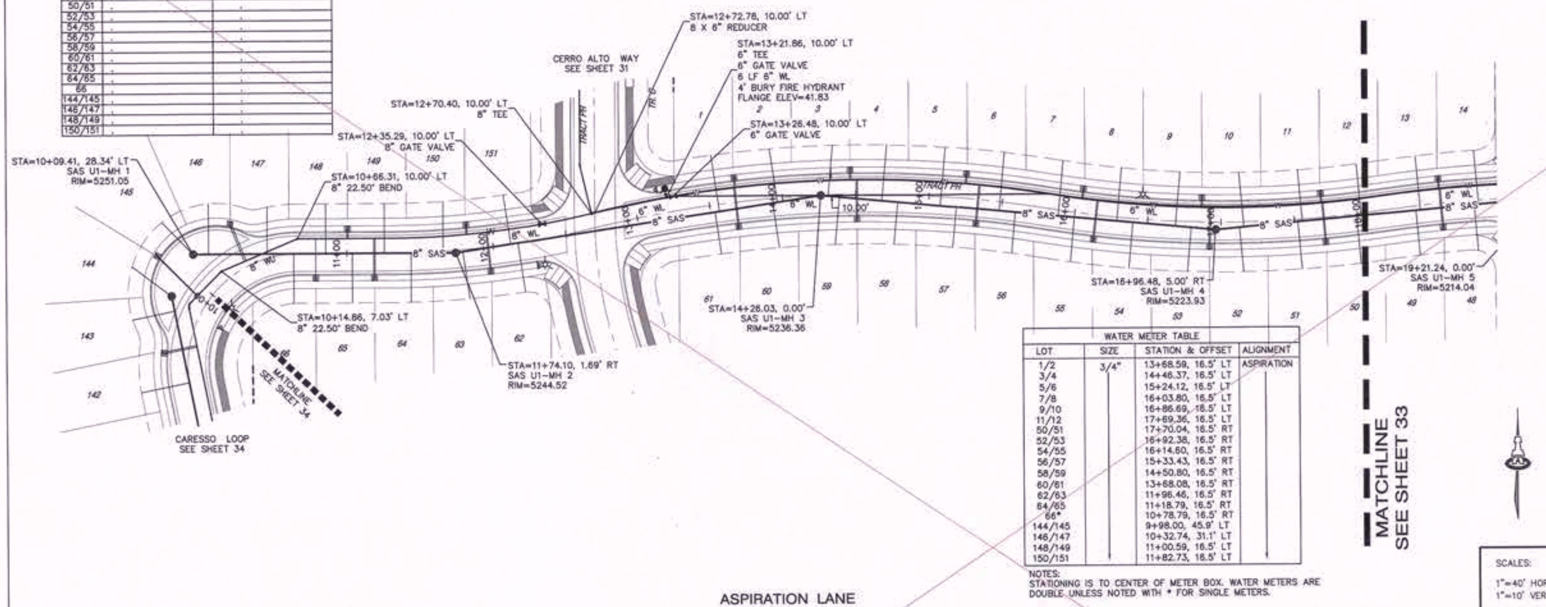
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	31	37

RECORD DRAWING

WATER METER COORDINATES		
LOT/S	X	Y
1/2	.	.
3/4	.	.
5/6	.	.
7/8	.	.
9/10	.	.
11/12	.	.
50/51	.	.
52/53	.	.
54/55	.	.
56/57	.	.
58/59	.	.
60/61	.	.
62/63	.	.
64/65	.	.
66	.	.
144/145	.	.
146/147	.	.
148/149	.	.
150/151	.	.

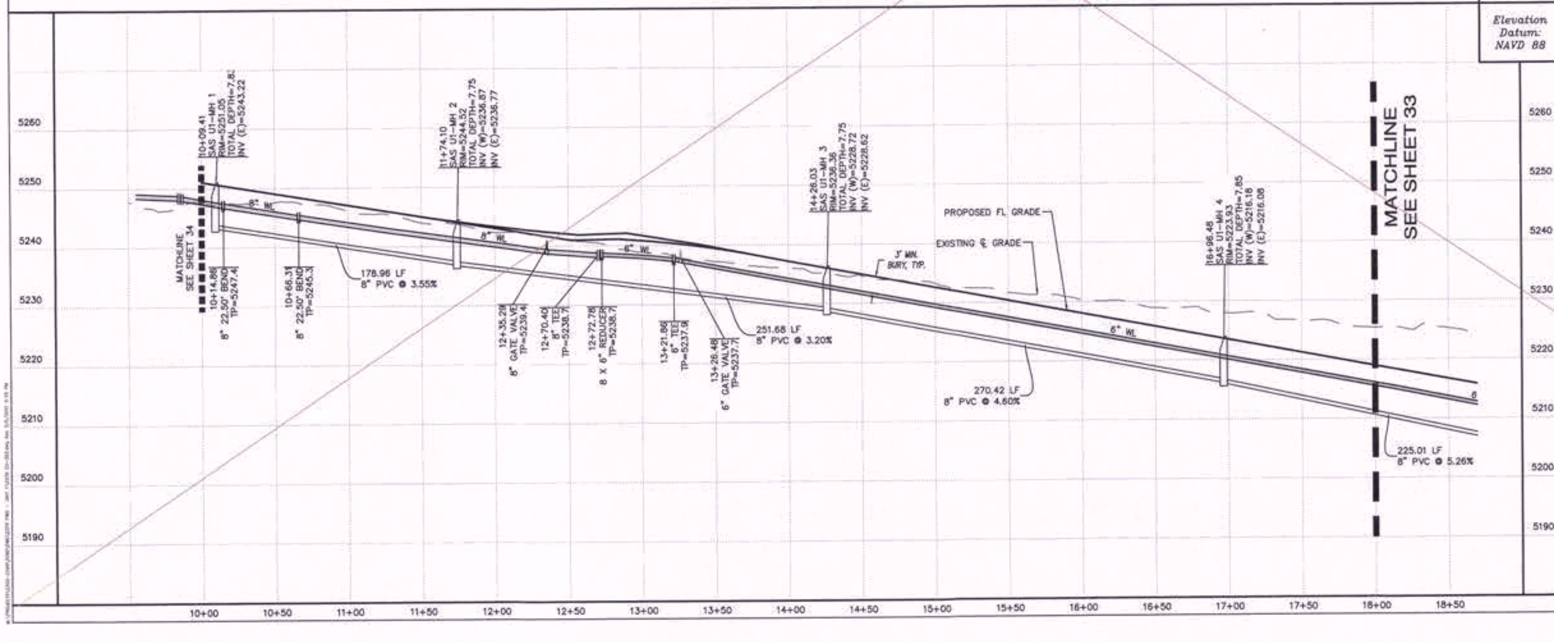


WATER METER TABLE			
LOT	SIZE	STATION & OFFSET	ALIGNMENT
1/2	3/4"	13+68.59, 16.5' LT	ASPIRATION
3/4	↓	14+46.37, 16.5' LT	↓
5/6		15+24.12, 16.5' LT	
7/8		16+03.80, 16.5' LT	
9/10		16+86.69, 16.5' LT	
11/12		17+69.36, 16.5' LT	
50/51		17+70.04, 16.5' RT	
52/53		16+92.38, 16.5' RT	
54/55		16+14.60, 16.5' RT	
56/57		15+33.43, 16.5' RT	
58/59		14+50.80, 16.5' RT	
60/61		13+68.08, 16.5' RT	
62/63		11+96.46, 16.5' RT	
64/65		11+18.79, 16.5' RT	
66*		10+78.79, 16.5' RT	
144/145		9+98.00, 45.9' LT	
146/147		10+32.74, 31.1' LT	
148/149		11+00.59, 16.5' LT	
150/151		11+82.73, 16.5' LT	

NOTES:
STATIONING IS TO CENTER OF METER BOX. WATER METERS ARE DOUBLE UNLESS NOTED WITH * FOR SINGLE METERS.

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88



UTILITY NOTES

1. CONSTRUCT 4" SAS SERVICES PER ABCWUA STD DWG #2125.
2. CONSTRUCT SAS MANHOLES W/ FRAME & COVER PER ABCWUA STD DWG #2102 & #2109 (CONCENTRIC).
3. WATERLINE CONNECTIONS PER ABCWUA STD DWG 2301.
4. INSTALL NON-PRESSURE CONNECTIONS PER ABCWUA STD DWG 2301.
5. INSTALL WATER VALVE BOX WITH RING AND COVER PER ABCWUA STD DWG 2326 & 2328.
6. CONSTRUCT 3/4" WATER SERVICES AND METER BOXES PER ABCWUA STD DWG #2361, 2362, 2366 & 2368.
7. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
8. SEE SHEET 28 FOR WATER SHUT-OFF PLAN.
9. SEE SHEET 28 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
10. SEE SHEET 29 FOR AS-BUILT COORDINATE TABLES.
11. ALL WATERLINES SHALL BE C-900 UNLESS OTHERWISE NOTED.
12. ALL SANITARY SEWER LINES SHALL BE SDR-35.
13. TRACER WIRE AND APPURTENANCES SHALL BE INSTALLED PER ABCWUA STD DWGS 2190, 2191, 2302, 2327, 2365, 2342, 2379, 2740 & 2741. COST FOR TRACER WIRES & APPURTENANCES SHALL BE INCLUDED IN WATER & SEWER LINE PIPE PAY ITEMS.
14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

SAS SERVICE TABLE			
LOT #	SIZE	STATION & OFFSET	INV @ END
1	4"	13+55.21, 33.5' LT	5235.6
2	↓	13+93.99, 33.5' LT	5233.5
3		14+35.00, 33.5' LT	5231.9
4		14+70.44, 33.5' LT	5230.0
5		15+08.87, 33.5' LT	5228.2
6		15+47.48, 33.5' LT	5226.3
7		15+86.69, 33.5' LT	5224.6
8		16+28.11, 33.5' LT	5222.7
9		16+70.75, 33.5' LT	5220.7
10		17+12.62, 33.5' LT	5218.8
11		17+54.78, 33.5' LT	5216.8
12		17+96.73, 33.5' LT	5215.2
50		17+91.77, 33.5' RT	5215.1
51		17+53.22, 33.5' RT	5216.7
52		17+14.86, 33.5' RT	5218.7
53		16+78.22, 33.5' RT	5220.3
54		16+39.85, 33.5' RT	5222.1
55		16+01.39, 33.5' RT	5224.1
56		15+60.97, 33.5' RT	5225.7
57		15+18.81, 33.5' RT	5227.7
58		14+76.90, 33.5' RT	5229.7
59		14+34.08, 33.5' RT	5231.6
60		13+95.21, 33.5' RT	5233.2
61		13+53.69, 33.5' RT	5235.1
62		12+17.13, 33.5' RT	5238.6
63		11+81.03, 33.5' RT	5239.6
64		11+43.02, 33.5' RT	5241.1
65		11+03.79, 33.5' RT	5242.8
66		10+61.75, 33.5' RT	5244.4
145		10+09.06, 58.7' LT	5247.4
146		10+28.23, 49.8' LT	5246.5
147		10+51.98, 33.5' LT	5244.9
148		10+85.59, 33.5' LT	5243.6
149		11+25.40, 33.5' LT	5241.9
150		11+67.82, 33.5' LT	5240.2
151		12+11.61, 33.5' LT	5239.2

NOTE: STATIONING IS AT END OF SAS AT EASEMENT

AS-BUILT INFORMATION — CARTESIAN SURVEYS

BENCH MARKS: AGRS MONUMENT AND BENCHMARK "1-N8"; N=1470741.879 ; E=1488701.82; G-G=0.999676466; Δα=-00°17'27.70"; CENTRAL ZONE; ELEVATION=5307.25 (NAD83/NAVD88)

SURVEY INFORMATION — FIELD NOTES: 1 CS-CARTESIAN SURVEYS INC. 02/2020

ENGINEER'S SEAL — ASA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER, 02/23/21

NO.	DATE	REMARKS	BY
REVISIONS			
DESIGN			
DESIGNED BY	ANW	DATE	02/2021
DRAWN BY	Thor	DATE	02/2021
CHECKED BY	ANW	DATE	02/2021

Isaacson & Arfman, Inc.
Civil Engineering Consultants
128 Monroe Street NE
Albuquerque, NM 87108
505-268-8828 | www.iacivil.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ASPIRE SUBDIVISION, UNIT 1

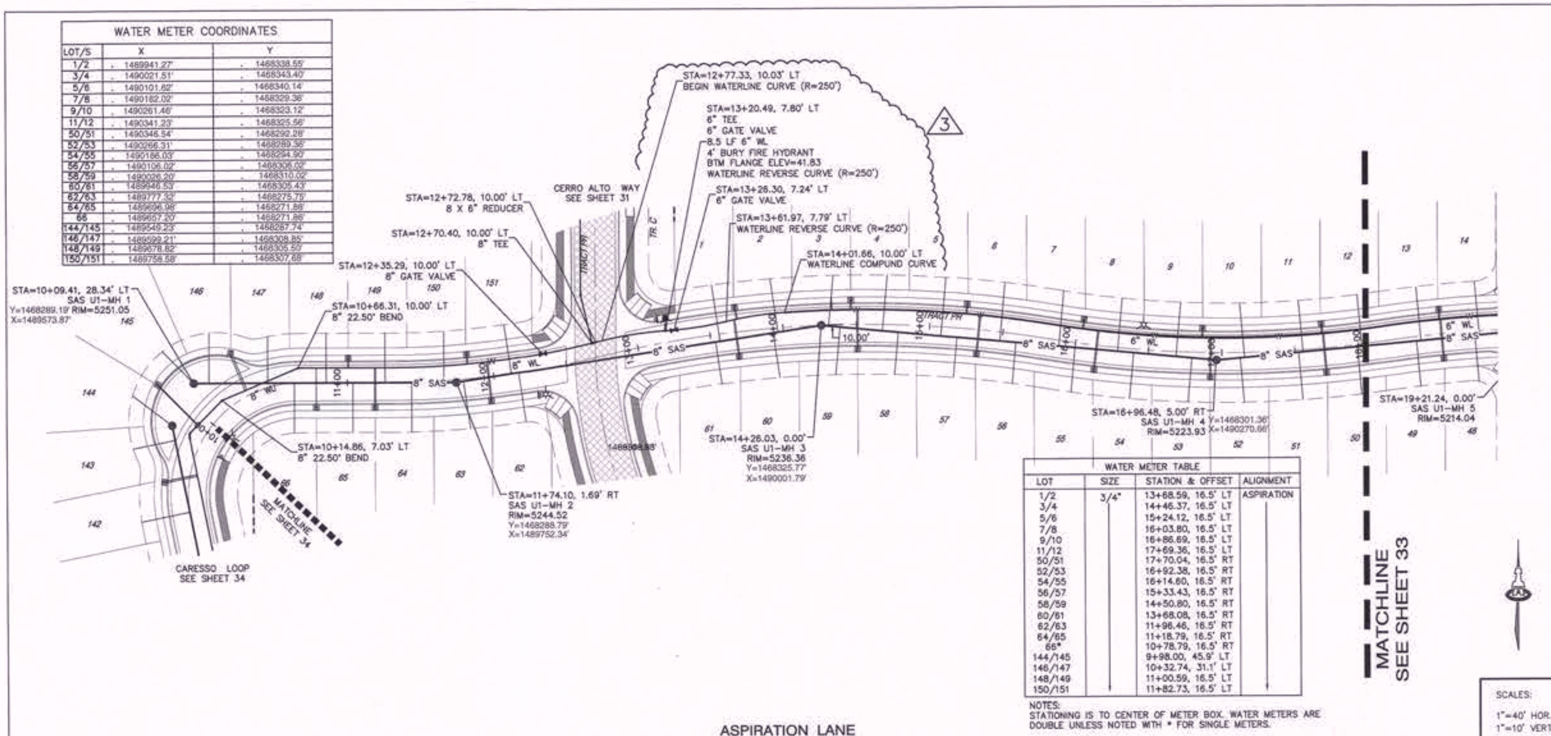
ASPIRATION LANE
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.

Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	32	37

RECORD DRAWING



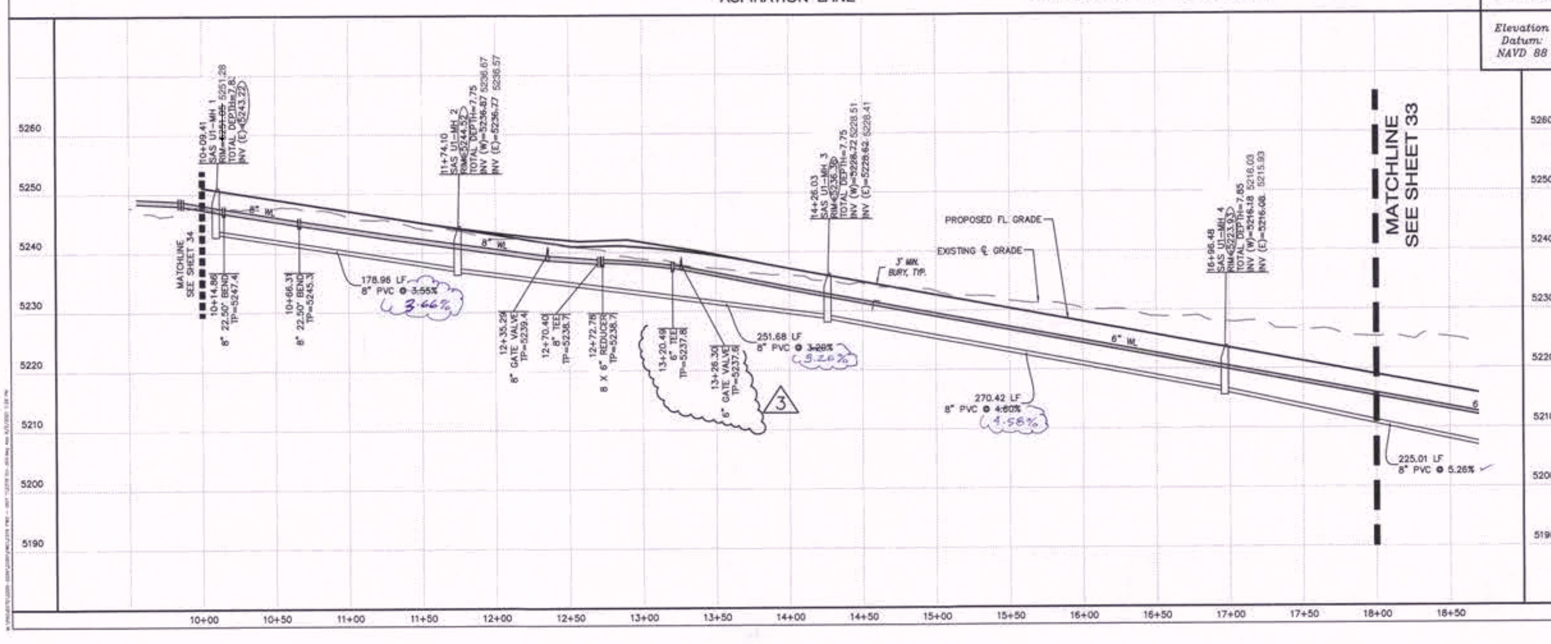
WATER METER COORDINATES		
LOT/S	X	Y
1/2	1489941.27'	1468338.55'
3/4	1490021.51'	1468343.40'
5/6	1490101.62'	1468340.14'
7/8	1490182.02'	1468329.36'
9/10	1490261.46'	1468323.12'
11/12	1490341.23'	1468325.56'
50/51	1490346.54'	1468292.28'
52/53	1490266.31'	1468289.36'
54/55	1490186.03'	1468294.90'
56/57	1490106.02'	1468306.02'
58/59	1490026.20'	1468310.02'
60/61	1489946.53'	1468305.43'
62/63	1489777.32'	1468275.75'
64/65	1489696.98'	1468271.88'
66	1489657.20'	1468271.86'
144/145	1489549.23'	1468287.74'
146/147	1489599.21'	1468308.85'
148/149	1489678.82'	1468305.50'
150/151	1489758.58'	1468307.68'

WATER METER TABLE			
LOT	SIZE	STATION & OFFSET	ALIGNMENT
1/2	3/4"	13+68.59, 16.5' LT	ASPIRATION
3/4	↓	14+46.37, 16.5' LT	↓
5/6		15+24.12, 16.5' LT	
7/8		16+03.80, 16.5' LT	
9/10		16+86.69, 16.5' LT	
11/12		17+69.36, 16.5' LT	
50/51		17+70.04, 16.5' RT	
52/53		16+92.38, 16.5' RT	
54/55		16+14.60, 16.5' RT	
56/57		15+33.43, 16.5' RT	
58/59		14+50.80, 16.5' RT	
60/61		13+68.08, 16.5' RT	
62/63		11+96.46, 16.5' RT	
64/65		11+18.79, 16.5' RT	
66*		10+78.79, 16.5' RT	
144/145		9+98.00, 45.9' LT	
146/147		10+32.74, 31.1' LT	
148/149		11+00.59, 16.5' LT	
150/151		11+82.73, 16.5' LT	

NOTES:
STATIONING IS TO CENTER OF METER BOX. WATER METERS ARE DOUBLE UNLESS NOTED WITH * FOR SINGLE METERS.

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88



UTILITY NOTES

1. CONSTRUCT 4" SAS SERVICES PER ABCWUA STD DWG #2125.
2. CONSTRUCT SAS MANHOLES W/ FRAME & COVER PER ABCWUA STD DWG #2102 & #2109 (CONCENTRIC).
3. WATERLINE CONNECTIONS PER ABCWUA STD DWG 2301.
4. INSTALL NON-PRESSURE CONNECTIONS PER ABCWUA STD DWG 2301.
5. INSTALL WATER VALVE BOX WITH RING AND COVER PER ABCWUA STD DWG 2326 & 2328.
6. CONSTRUCT 3/4" WATER SERVICES AND METER BOXES PER ABCWUA STD DWG #2361, 2362, 2366 & 2368.
7. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
8. SEE SHEET 28 FOR WATER SHUT-OFF PLAN.
9. SEE SHEET 28 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
10. SEE SHEET 29 FOR AS-BUILT COORDINATE TABLES.
11. ALL WATERLINES SHALL BE C-900 UNLESS OTHERWISE NOTED.
12. ALL SANITARY SEWER LINES SHALL BE SDR-35.
13. TRACER WIRE AND APPURTENANCES SHALL BE INSTALLED PER ABCWUA STD DWGS 2190, 2191, 2302, 2327, 2365, 2342, 2379, 2740 & 2741. COST FOR TRACER WIRES & APPURTENANCES SHALL BE INCLUDED IN WATER & SEWER LINE PIPE PAY ITEMS.
14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

SAS SERVICE TABLE			
LOT #	SIZE	STATION & OFFSET	INV @ END
1	4"	13+55.21, 33.5' LT	5235.6
2	↓	13+93.99, 33.5' LT	5233.5
3		14+35.00, 33.5' LT	5231.9
4		14+70.44, 33.5' LT	5230.0
5		15+08.87, 33.5' LT	5228.2
6		15+47.48, 33.5' LT	5226.3
7		15+86.69, 33.5' LT	5224.6
8		16+28.11, 33.5' LT	5222.7
9		16+70.75, 33.5' LT	5220.7
10		17+12.62, 33.5' LT	5218.8
11		17+54.78, 33.5' LT	5216.8
12		17+96.73, 33.5' LT	5215.2
50		17+91.77, 33.5' RT	5215.1
51		17+53.22, 33.5' RT	5216.7
52		17+14.86, 33.5' RT	5218.7
53		16+78.22, 33.5' RT	5220.3
54		16+39.85, 33.5' RT	5222.1
55		16+01.39, 33.5' RT	5224.1
56		15+60.97, 33.5' RT	5225.7
57		15+18.81, 33.5' RT	5227.7
58		14+76.90, 33.5' RT	5229.7
59		14+34.08, 33.5' RT	5231.6
60		13+95.21, 33.5' RT	5233.2
61		13+53.69, 33.5' RT	5235.1
62		12+17.13, 33.5' RT	5238.6
63		11+81.03, 33.5' RT	5239.6
64		11+43.02, 33.5' RT	5241.1
65		11+03.79, 33.5' RT	5242.8
66		10+61.75, 33.5' RT	5244.4
145		10+09.06, 58.7' LT	5247.4
146		10+28.23, 49.8' LT	5246.5
147		10+51.98, 33.5' LT	5244.9
148		10+85.59, 33.5' LT	5243.6
149		11+25.40, 33.5' LT	5241.9
150		11+67.82, 33.5' LT	5240.2
151		12+11.61, 33.5' LT	5239.2

NOTE: STATIONING IS AT END OF SAS AT EASEMENT

AS-BUILT INFORMATION
CONTRACTOR: SALLS
SURVEYED BY: CARTESIAN SURVEYS
SPINELLO-DCS 2/24/22

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.879 ; E=1488701.82
G-G=0.999678466
Δα=00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES
1 | CSI-CARTESIAN SURVEYS INC. | 02/2020

ENGINEER'S SEAL
ASA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER
02/23/21

NO.	DATE	REMARKS	BY
3	08/21	ADJ. WL AT FH'S FOR VALVE CLEARANCE	
2	07/21	EXIST SAS MH TO REMAIN/INV. ADJ.	
1	05/21	REVISED STORM DRAIN TABLES	ANW

REVISIONS
DESIGN
DESIGNED BY ANW DATE 02/2021
DRAWN BY thor DATE 02/2021
CHECKED BY ANW DATE 02/2021

Isaacson & Arfman, Inc.
Civil Engineering Consultants
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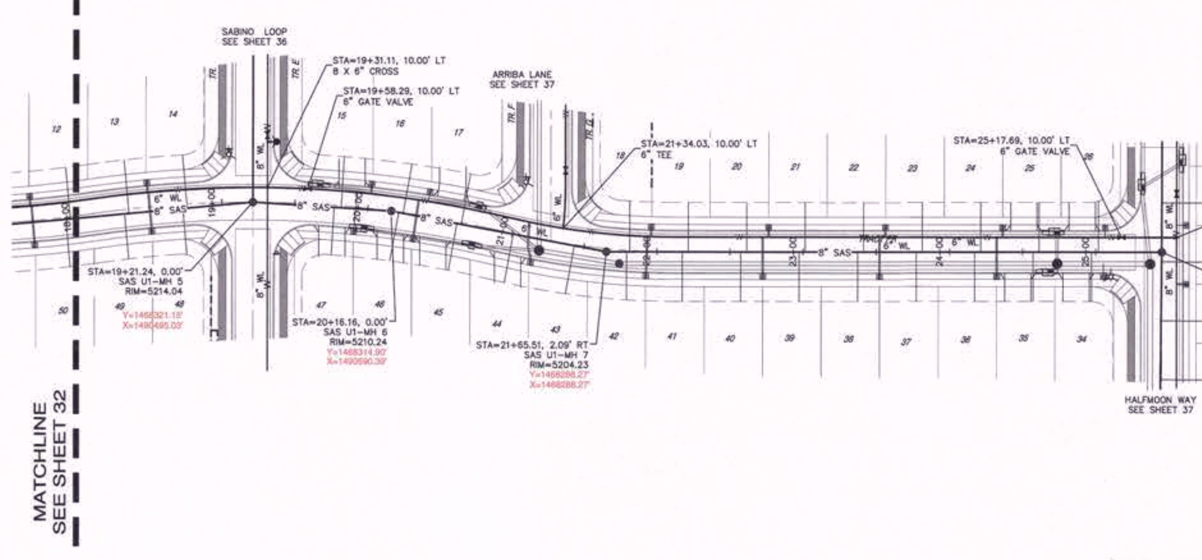
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1

ASPIRATION LANE
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.

LAST DESIGN UPDATE

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	32	37



WATER METER COORDINATES		
LOT/S	X	Y
13/14	1490421.18'	1468334.75'
15/16	1490577.40'	1468333.68'
17	1490617.45'	1468328.48'
18/19	1490767.30'	1468305.18'
20/21	1490847.41'	1468305.01'
22/23	1490927.06'	1468306.14'
24/25	1491007.40'	1468304.94'
26	1491077.45'	1468304.81'
34	1491075.97'	1468271.36'
35/36	1491003.20'	1468271.14'
37/38	1490923.22'	1468271.20'
39/40	1490842.92'	1468271.26'
41/42	1490763.08'	1468271.88'
43/44	1490682.75'	1468281.00'
45/46	1490602.88'	1468296.58'
47	1490562.84'	1468301.21'
48/49	1490426.47'	1468301.49'

UTILITY NOTES

1. CONSTRUCT 4" SAS SERVICES PER ABCWUA STD DWG #2125.
2. CONSTRUCT SAS MANHOLES W/ FRAME & COVER PER ABCWUA STD DWG #2102 & #2109 (CONCENTRIC).
3. WATERLINE CONNECTIONS PER ABCWUA STD DWG 2301.
4. INSTALL NON-PRESSURE CONNECTIONS PER ABCWUA STD DWG 2301.
5. INSTALL WATER VALVE BOX WITH RING AND COVER PER ABCWUA STD DWG 2326 & 2328.
6. CONSTRUCT 3/4" WATER SERVICES AND METER BOXES PER ABCWUA STD DWG #2361, 2362, 2366 & 2368.
7. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
8. SEE SHEET 28 FOR WATER SHUT-OFF PLAN.
9. SEE SHEET 28 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
10. SEE SHEET 29 FOR AS-BUILT COORDINATE TABLES.
11. ALL WATERLINES SHALL BE C-900 UNLESS OTHERWISE NOTED.
12. ALL SANITARY SEWER LINES SHALL BE SDR-35.
13. TRACER WIRE AND APPURTENANCES SHALL BE INSTALLED PER ABCWUA STD DWGS 2190, 2191, 2302, 2327, 2365, 2342, 2379, 2740 & 2741. COST FOR TRACER WIRES & APPURTENANCES SHALL BE INCLUDED IN WATER & SEWER LINE PIPE PAY ITEMS.
14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

WATER METER TABLE

LOT	SIZE	STATION & OFFSET	ALIGNMENT
13/14	3/4"	18+50.05, 16.5' LT	ASPIRATION
15/16		20+01.15, 16.5' LT	
17*		20+41.17, 16.5' LT	
18/19		21+95.60, 16.5' LT	
20/21		22+76.34, 16.5' LT	
22/23		23+56.34, 16.5' LT	
24/25		24+36.34, 16.5' LT	
26*		25+06.49, 16.5' LT	
34*		25+05.34, 16.5' RT	
35/36		24+32.26, 16.5' RT	
37/38		23+52.26, 16.5' RT	
39/40		22+72.26, 16.5' RT	
41/42		21+93.09, 16.5' RT	
43/44		21+16.11, 16.5' RT	
45/46		20+33.57, 16.5' RT	
47*		19+91.81, 16.5' RT	
48/49		18+50.83, 45.9' RT	

NOTES:
STATIONING IS TO CENTER OF METER BOX. WATER METERS ARE DOUBLE UNLESS NOTED WITH * FOR SINGLE METERS.

SAS SERVICE TABLE

LOT #	SIZE	STATION & OFFSET	INV @ END
13	4"	18+36.56, 33.5' LT	5213.3
14		18+74.98, 33.5' LT	5211.3
15		19+81.16, 33.5' LT	5207.1
16		20+25.82, 33.5' LT	5205.4
17		20+64.75, 33.5' LT	5203.7
18		21+79.20, 33.5' LT	5199.2
19		22+21.34, 33.5' LT	5197.4
20		22+61.34, 33.5' LT	5195.7
21		23+01.34, 33.5' LT	5193.7
22		23+41.34, 33.5' LT	5191.7
23		23+81.34, 33.5' LT	5189.9
24		24+21.34, 33.5' LT	5188.0
25		24+61.34, 33.5' LT	5186.0
26		25+01.91, 33.5' LT	5184.5
34		24+97.26, 33.5' RT	5184.6
35		24+57.26, 33.5' RT	5186.4
36		24+17.26, 33.5' RT	5188.1
37		23+77.26, 33.5' RT	5190.1
38		23+37.26, 33.5' RT	5192.0
39		22+97.26, 33.5' RT	5192.0
40		22+57.26, 33.5' RT	5193.7
41		22+17.26, 33.5' RT	5197.6
42		21+02.00, 33.5' RT	5199.2
43		21+41.78, 33.5' RT	5200.4
44		21+81.25, 33.5' RT	5202.2
45		20+61.90, 33.5' RT	5203.9
46		20+19.42, 33.5' RT	5205.7
47		19+77.29, 33.5' RT	5206.9
48		18+74.02, 34.6' RT	5211.2
49		18+32.30, 33.5' RT	5213.2

NOTE: STATIONING IS AT END OF SAS AT EASEMENT

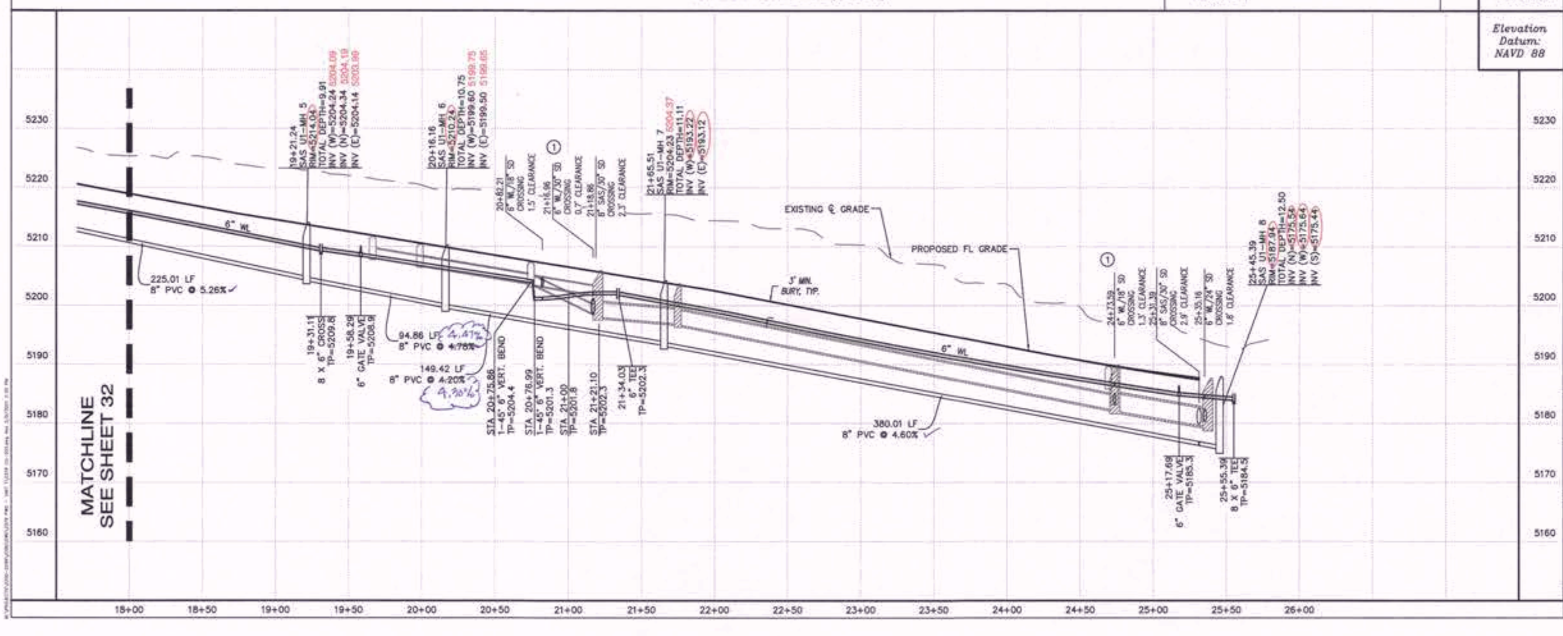
KEYED NOTES

1. INSTALL LEAN FILL AT CROSSINGS WHERE CLEARANCE IS LESS THAN 18" EXTENDING 5' EACH SIDE.

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88

ASPIRATION LANE (CONT.)



AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.879 ; E=1488701.82
G-G=0.999676466
Δα=-0°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

AS-BUILT INFORMATION: CONTRACTOR SALLS; SPINELLO-DCS

SURVEY INFORMATION: FIELD NOTES — 1 — CS-CARTESIAN SURVEYS INC. — 02/2020

ENGINEER'S SEAL: ASA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER, 02/23/21

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN: DESIGNED BY ANW, DATE 02/2021; DRAWN BY thor, DATE 02/2021; CHECKED BY ANW, DATE 02/2021

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ASPIRE SUBDIVISION, UNIT 1

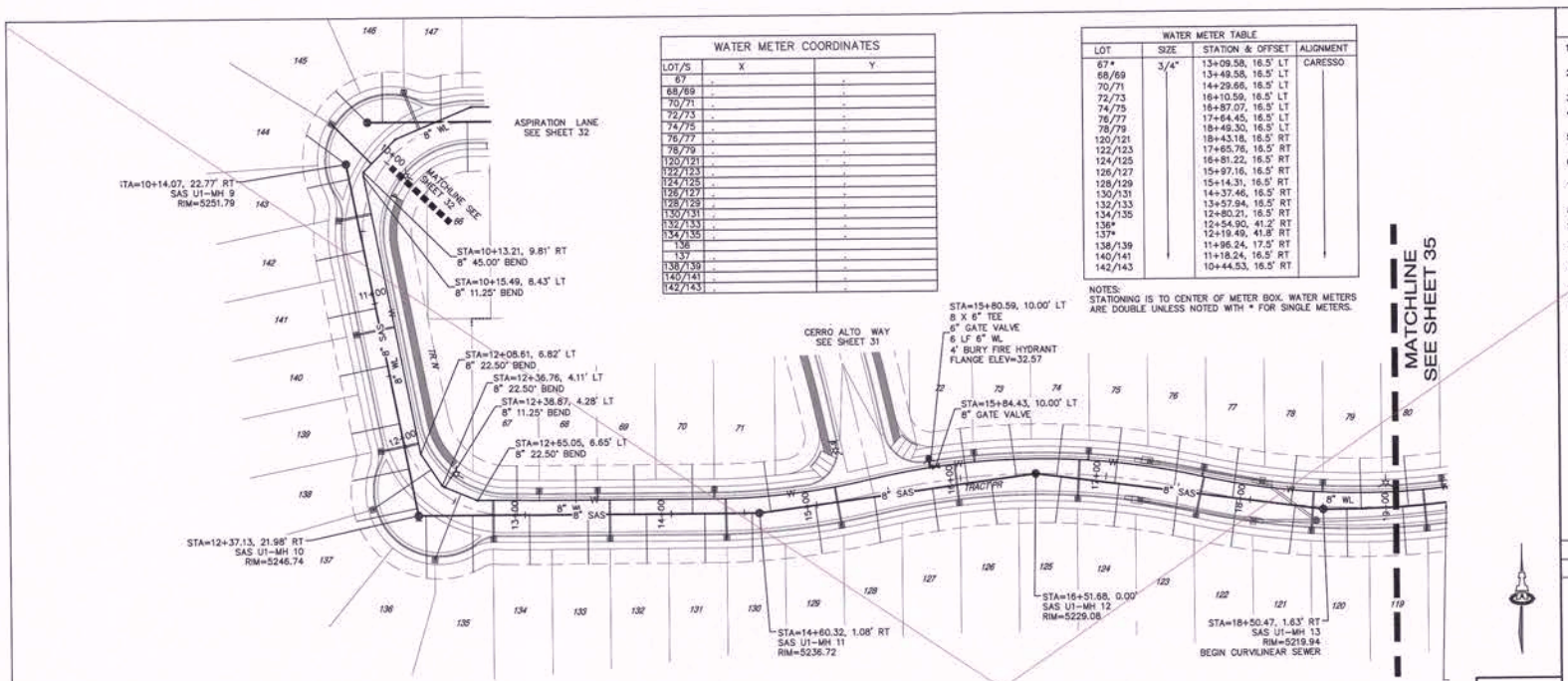
ASPIRATION LANE (CONT.)

UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 33 Of 37

RECORD DRAWING



WATER METER COORDINATES		
LOT/S	X	Y
67	.	.
68/69	.	.
70/71	.	.
72/73	.	.
74/75	.	.
76/77	.	.
78/79	.	.
120/121	.	.
122/123	.	.
124/125	.	.
126/127	.	.
128/129	.	.
130/131	.	.
132/133	.	.
134/135	.	.
136	.	.
137	.	.
138/139	.	.
140/141	.	.
142/143	.	.

WATER METER TABLE			
LOT	SIZE	STATION & OFFSET	ALIGNMENT
67*	3/4"	13+09.58, 16.5' LT	CARESSO
68/69		13+49.58, 16.5' LT	
70/71		14+29.66, 16.5' LT	
72/73		16+10.59, 16.5' LT	
74/75		16+87.07, 16.5' LT	
76/77		17+64.45, 16.5' LT	
78/79		18+49.30, 16.5' LT	
120/121		18+43.18, 16.5' RT	
122/123		17+65.76, 16.5' RT	
124/125		16+81.22, 16.5' RT	
126/127		15+97.16, 16.5' RT	
128/129		15+14.31, 16.5' RT	
130/131		14+37.46, 16.5' RT	
132/133		13+57.94, 16.5' RT	
134/135		12+80.21, 16.5' RT	
136*		12+54.90, 41.2' RT	
137*		12+19.49, 41.8' RT	
138/139		11+96.24, 17.5' RT	
140/141		11+18.24, 16.5' RT	
142/143		10+44.53, 16.5' RT	

NOTES:
STATIONING IS TO CENTER OF METER BOX. WATER METERS ARE DOUBLE UNLESS NOTED WITH * FOR SINGLE METERS.

UTILITY NOTES

1. CONSTRUCT 4" SAS SERVICES PER ABCWUA STD DWG #2125.
2. CONSTRUCT SAS MANHOLES W/ FRAME & COVER PER ABCWUA STD DWG #2102 & #2109 (CONCENTRIC).
3. WATERLINE CONNECTIONS PER ABCWUA STD DWG 2301.
4. INSTALL NON-PRESSURE CONNECTIONS PER ABCWUA STD DWG 2301.
5. INSTALL WATER VALVE BOX WITH RING AND COVER PER ABCWUA STD DWG 2326 & 2328.
6. CONSTRUCT 3/4" WATER SERVICES AND METER BOXES PER ABCWUA STD DWG #2361, 2362, 2366 & 2368.
7. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
8. SEE SHEET 28 FOR WATER SHUT-OFF PLAN.
9. SEE SHEET 28 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
10. SEE SHEET 29 FOR AS-BUILT COORDINATE TABLES.
11. ALL WATERLINES SHALL BE C-900 UNLESS OTHERWISE NOTED.
12. ALL SANITARY SEWER LINES SHALL BE SDR-35.
13. TRACER WIRE AND APPURTENANCES SHALL BE INSTALLED PER ABCWUA STD DWGS 2190, 2191, 2302, 2327, 2365, 2342, 2379, 2740 & 2741. COST FOR TRACER WIRES & APPURTENANCES SHALL BE INCLUDED IN WATER & SEWER LINE PIPE PAY ITEMS.
14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

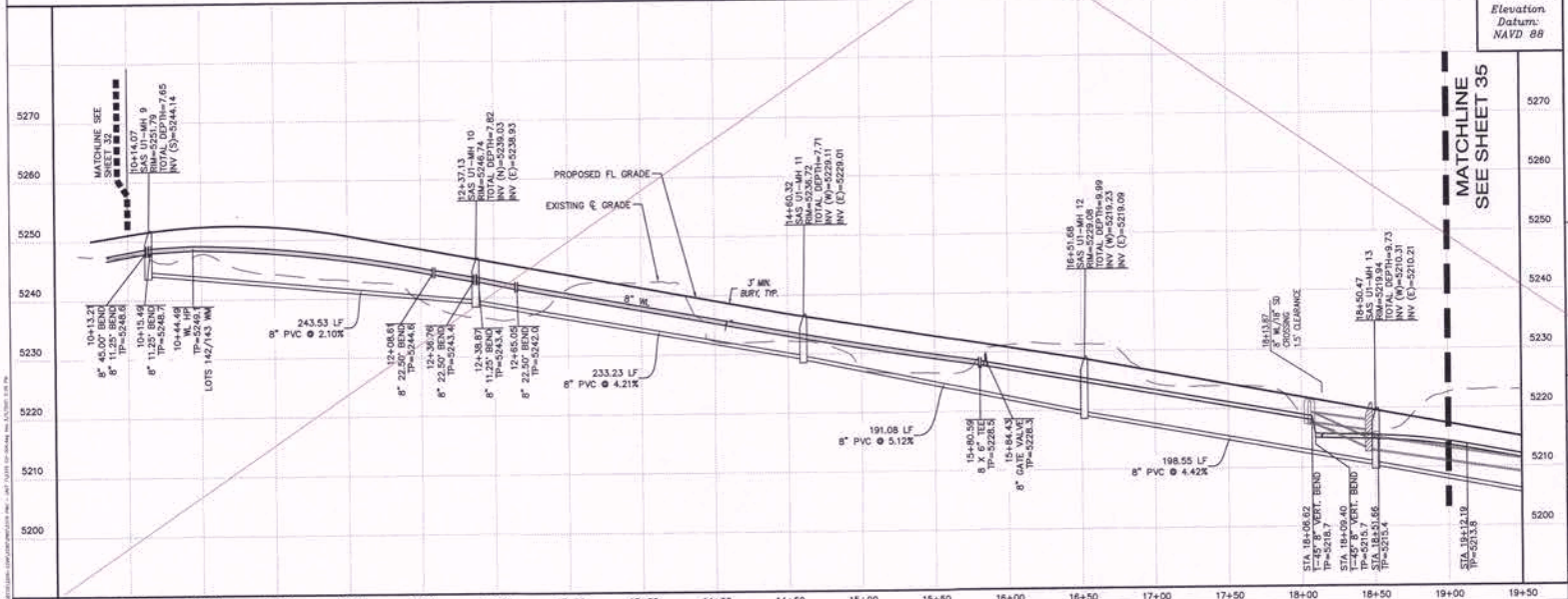
SAS SERVICE TABLE			
LOT #	SIZE	STATION & OFFSET	INV @ END
67	4"	12+94.58, 33.5' LT	5239.9
68		13+34.58, 33.5' LT	5237.9
69		14+74.58, 33.5' LT	5236.4
70		14+14.58, 33.5' LT	5234.4
71		14+66.35, 33.5' LT	5232.2
72		16+03.10, 33.5' LT	5226.9
73		16+34.82, 33.5' LT	5225.2
74		16+69.51, 33.5' LT	5223.7
75		17+07.20, 33.5' LT	5221.9
76		17+45.37, 33.5' LT	5220.4
77		17+86.35, 33.5' LT	5218.3
78		18+29.44, 33.5' LT	5216.3
79		18+75.55, 33.5' LT	5214.3
120		18+67.26, 33.5' RT	5214.8
121		18+29.75, 33.5' RT	5216.3
122		17+92.05, 33.5' RT	5218.3
123		17+52.55, 33.5' RT	5219.8
124		17+08.88, 33.5' RT	5221.8
125		16+65.77, 33.5' RT	5223.9
126		16+22.88, 33.5' RT	5225.6
127		15+79.89, 33.5' RT	5227.3
128		15+36.89, 33.5' RT	5228.9
129		14+98.61, 33.5' RT	5230.5
130		14+53.60, 33.5' RT	5232.2
131		14+22.93, 33.5' RT	5233.9
132		13+82.93, 33.5' RT	5235.7
133		13+42.93, 33.5' RT	5237.8
134		13+02.93, 33.5' RT	5239.4
135		12+72.69, 41.0' RT	5241.1
136		12+54.98, 55.2' RT	5242.3
137		12+19.27, 55.2' RT	5243.4
138		12+04.08, 43.6' RT	5243.7
139		11+83.24, 44.9' RT	5244.9
140		11+43.24, 33.5' RT	5246.8
141		11+03.24, 33.5' RT	5248.1
142		10+64.18, 33.5' RT	5248.6
143		10+31.38, 33.5' RT	5246.1
144		11+11.34, 33.5' RT	5247.9

NOTE: STATIONING IS AT END OF SAS AT EASEMENT

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88

CARESSO LOOP



AS-BUILT INFORMATION

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-M8"
N=1470741.879 ; E=1486701.82
G-G=0.9996876466
Δ=-0°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES
1 | 02/2020 | CS-CARTESIAN SURVEYS INC.

ENGINEER'S SEAL
ASA W. NILSSON
NEW MEXICO
17631
REGISTERED PROFESSIONAL ENGINEER
02/23/21

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGNED BY: ANW	DATE: 02/2021
		DRAWN BY: thor	DATE: 02/2021
		CHECKED BY: ANW	DATE: 02/2021

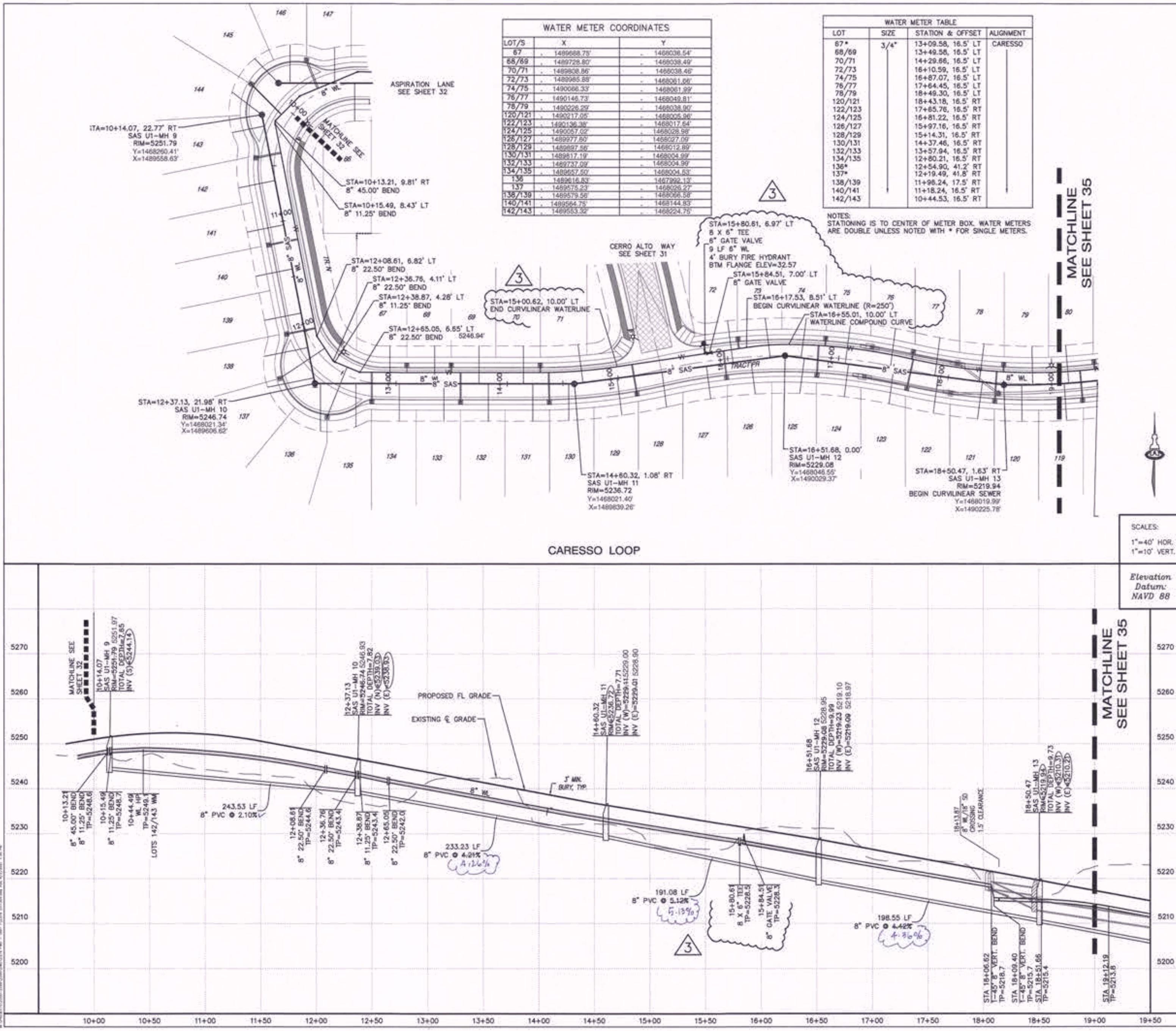
Isaacson & Arfman, Inc.
Civil Engineering Consultants
128 Monroe Street NE
Albuquerque, NM 87108
505-268-8828 | www.iacivil.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1
CARESSO LOOP
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	34	37

RECORD DRAWING



WATER METER COORDINATES		
LOT/S	X	Y
67	1489688.75'	1468038.54'
68/69	1489728.80'	1468038.49'
70/71	1489808.86'	1468038.46'
72/73	1489985.88'	1468061.66'
74/75	1490066.33'	1468061.99'
76/77	1490146.73'	1468049.81'
78/79	1490226.29'	1468038.90'
120/121	1490217.05'	1468005.96'
122/123	1490136.38'	1468017.64'
124/125	1490057.02'	1468028.98'
126/127	1489977.60'	1468027.09'
128/129	1489897.56'	1468012.89'
130/131	1489817.19'	1468004.99'
132/133	1489737.09'	1468004.99'
134/135	1489657.50'	1468004.63'
136	1489616.83'	1467992.13'
137	1489575.23'	1468026.27'
138/139	1489579.56'	1468066.58'
140/141	1489564.75'	1468144.83'
142/143	1489553.32'	1468224.75'

WATER METER TABLE			
LOT	SIZE	STATION & OFFSET	ALIGNMENT
67*	3/4"	13+09.58, 16.5' LT	CARESSO
68/69	↓	13+49.58, 16.5' LT	↓
70/71		14+29.66, 16.5' LT	
72/73		16+10.59, 16.5' LT	
74/75		16+87.07, 16.5' LT	
76/77		17+64.45, 16.5' LT	
78/79		18+49.30, 16.5' LT	
120/121		18+43.18, 16.5' RT	
122/123		17+65.76, 16.5' RT	
124/125		16+81.22, 16.5' RT	
126/127		15+97.16, 16.5' RT	
128/129		15+14.31, 16.5' RT	
130/131		14+37.46, 16.5' RT	
132/133		13+57.94, 16.5' RT	
134/135		12+80.21, 16.5' RT	
136*		12+54.90, 41.2' RT	
137*		12+19.49, 41.8' RT	
138/139		11+96.24, 17.5' RT	
140/141		11+18.24, 16.5' RT	
142/143		10+44.53, 16.5' RT	

NOTES:
STATIONING IS TO CENTER OF METER BOX. WATER METERS ARE DOUBLE UNLESS NOTED WITH * FOR SINGLE METERS.

UTILITY NOTES

1. CONSTRUCT 4" SAS SERVICES PER ABCWUA STD DWG #2125.
2. CONSTRUCT SAS MANHOLES W/ FRAME & COVER PER ABCWUA STD DWG #2102 & #2109 (CONCENTRIC).
3. WATERLINE CONNECTIONS PER ABCWUA STD DWG 2301.
4. INSTALL NON-PRESSURE CONNECTIONS PER ABCWUA STD DWG 2301.
5. INSTALL WATER VALVE BOX WITH RING AND COVER PER ABCWUA STD DWG 2326 & 2328.
6. CONSTRUCT 3/4" WATER SERVICES AND METER BOXES PER ABCWUA STD DWG #2361, 2362, 2366 & 2368.
7. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
8. SEE SHEET 28 FOR WATER SHUT-OFF PLAN.
9. SEE SHEET 28 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
10. SEE SHEET 29 FOR AS-BUILT COORDINATE TABLES.
11. ALL WATERLINES SHALL BE C-900 UNLESS OTHERWISE NOTED.
12. ALL SANITARY SEWER LINES SHALL BE SDR-35.
13. TRACER WIRE AND APPURTENANCES SHALL BE INSTALLED PER ABCWUA STD DWGS 2190, 2191, 2302, 2327, 2365, 2342, 2379, 2740 & 2741. COST FOR TRACER WIRES & APPURTENANCES SHALL BE INCLUDED IN WATER & SEWER LINE PIPE PAY ITEMS.
14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

SAS SERVICE TABLE			
LOT #	SIZE	STATION & OFFSET	INV @ END
67	4"	12+94.58, 33.5' LT	5239.9
68	↓	13+34.58, 33.5' LT	5237.9
69		14+74.58, 33.5' LT	5236.4
70		14+14.58, 33.5' LT	5234.4
71		14+66.35, 33.5' LT	5232.2
72		16+03.10, 33.5' LT	5226.9
73		16+34.82, 33.5' LT	5225.2
74		16+69.51, 33.5' LT	5223.7
75		17+07.20, 33.5' LT	5221.9
76		17+45.37, 33.5' LT	5220.4
77		17+86.35, 33.5' LT	5218.3
78		18+29.44, 33.5' LT	5216.3
79		18+75.55, 33.5' LT	5214.3
120		18+67.26, 33.5' RT	5214.8
121		18+29.75, 33.5' RT	5216.3
122		17+92.05, 33.5' RT	5218.3
123		17+52.55, 33.5' RT	5219.8
124		17+08.88, 33.5' RT	5221.8
125		16+65.77, 33.5' RT	5223.9
126		16+22.88, 33.5' RT	5225.6
127		15+79.89, 33.5' RT	5227.3
128		15+36.89, 33.5' RT	5228.9
129		14+98.61, 33.5' RT	5230.5
130		14+53.60, 33.5' RT	5232.2
131		14+22.93, 33.5' RT	5233.9
132		13+82.93, 33.5' RT	5235.7
133		13+42.93, 33.5' RT	5237.8
134		13+02.93, 33.5' RT	5239.4
135		12+72.69, 41.0' RT	5241.1
136		12+54.98, 55.2' RT	5242.3
137		12+19.27, 55.2' RT	5243.4
138		12+04.08, 43.6' RT	5243.7
139		11+83.24, 44.9' RT	5244.9
140		11+43.24, 33.5' RT	5246.8
141		11+03.24, 33.5' RT	5248.1
142		10+64.18, 33.5' RT	5248.6
143		10+31.38, 33.5' RT	5248.1
144		11+11.34, 33.5' RT	5247.9

NOTE: STATIONING IS AT END OF SAS AT EASEMENT

AS-BUILT INFORMATION
CONTRACTOR: SALLS
WORK STAKED BY: CARTESIAN SURVEYS
INSPECTOR'S ACCEPTANCE BY: SPINELLO-DCS DATE 2/24/22
FIELD VERIFICATION BY: CARTESIAN SURVEYS
DRAWINGS CORRECTED BY:

MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.879 ; E=1488701.82
G-G=0.999676466
Δα=00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION

	FIELD NOTES	
1	CSI-CARTESIAN SURVEYS INC.	02/2020

ENGINEER'S SEAL
ASA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER
02/23/21

NO.	DATE	REMARKS	BY
3	08/21	ADJ. WL AT FH'S FOR VALVE CLEARANCE	
2	07/21	EXST SAS MH TO REMAIN/INV. ADJ.	
1	05/21	REVISED STORM DRAIN TABLES	ANW

REVISIONS

DESIGN			
DESIGNED BY	ANW	DATE	02/2021
DRAWN BY	thor	DATE	02/2021
CHECKED BY	ANW	DATE	02/2021

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CARESSO LOOP
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 34 Of 37

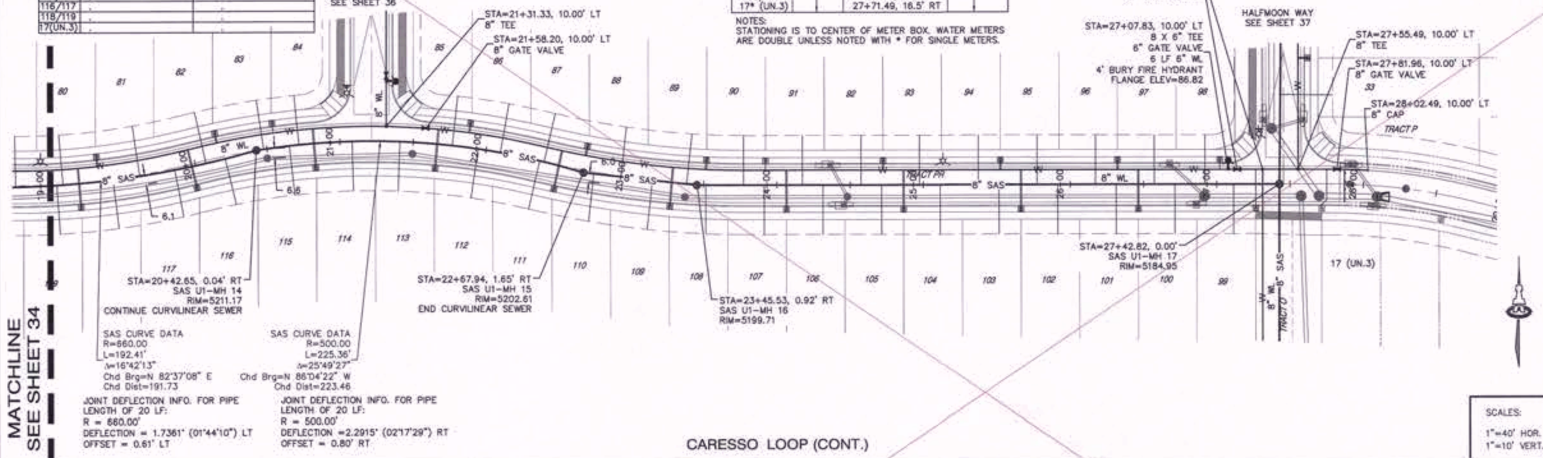
RECORD DRAWING

WATER METER COORDINATES		
LOT/S	X	Y
80/81		
82/83		
84		
85/86		
87/88		
89/90		
91		
92/93		
94/95		
96/97		
98		
99		
100/101		
102/103		
104/105		
106/107		
108/109		
110/111		
112/113		
114/115		
116/117		
118/119		
17(UN.3)		

WATER METER TABLE

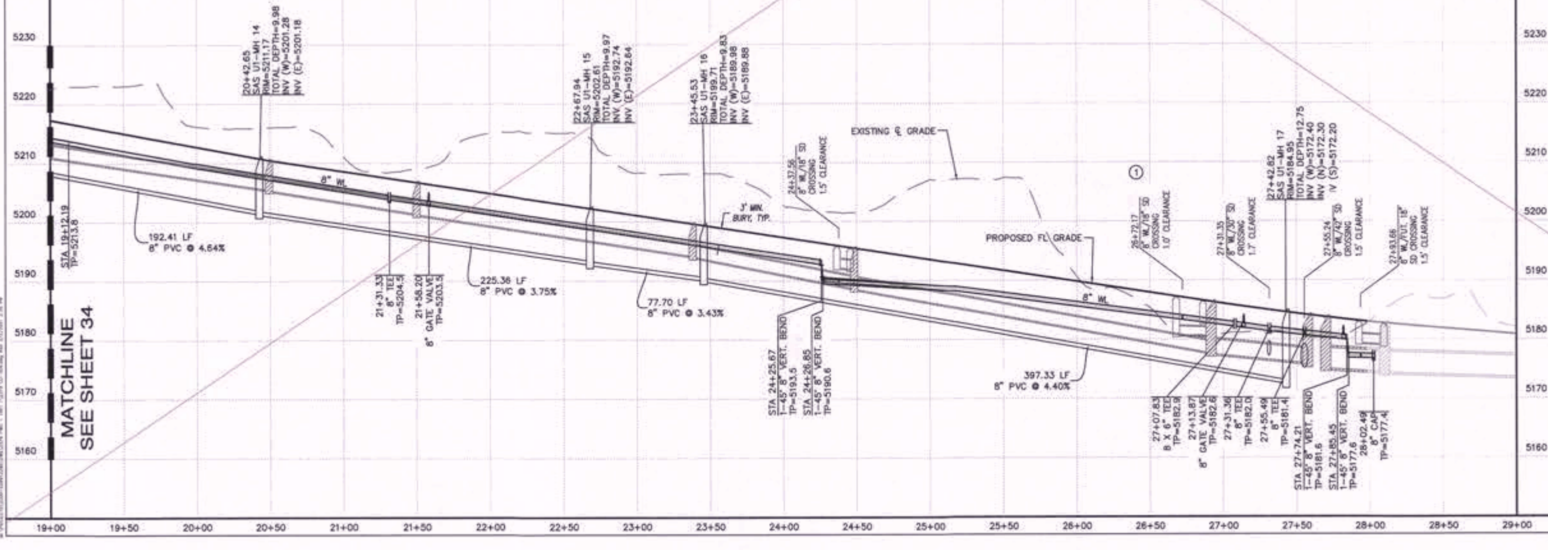
LOT	SIZE	STATION & OFFSET	ALIGNMENT
80/81	3/4"	19+33.37, 16.5' LT	CARESSO
82/83		20+17.14, 16.5' LT	
84*		20+55.61, 16.5' LT	
85/86		21+87.14, 16.5' LT	
87/88		22+67.37, 16.5' LT	
89/90		23+51.26, 16.5' LT	
91*		23+92.36, 16.5' LT	
92/93		24+72.36, 16.5' LT	
94/95		25+52.36, 16.5' LT	
96/97		26+32.36, 16.5' LT	
98*		27+02.07, 16.5' LT	
99*		27+26.55, 16.5' RT	
100/101		26+46.48, 16.5' RT	
102/103		25+66.48, 16.5' RT	
104/105		24+86.48, 16.5' RT	
106/107		24+06.48, 16.5' RT	
108/109		23+28.38, 16.5' RT	
110/111		22+50.48, 16.5' RT	
112/113		21+66.33, 16.5' RT	
114/115		20+82.27, 16.5' RT	
116/117		19+97.22, 16.5' RT	
118/119		19+19.67, 16.5' RT	
17* (UN.3)		27+71.49, 16.5' RT	

NOTES:
STATIONING IS TO CENTER OF METER BOX. WATER METERS ARE DOUBLE UNLESS NOTED WITH * FOR SINGLE METERS.



SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88



UTILITY NOTES

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2. CONSTRUCT SAS MANHOLES W/ FRAME & COVER PER ABCWUA STD DWG #2102 & #2109 (CONCENTRIC).
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8. SEE SHEET 28 FOR WATER SHUT-OFF PLAN.
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14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

○ KEYED NOTES

1. INSTALL LEAN FILL AT CROSSINGS WHERE CLEARANCE IS LESS THAN 18" EXTENDING 5' EACH SIDE.

SAS SERVICE TABLE

LOT #	SIZE	STATION & OFFSET	INV @ END
80	4"	19+07.96, 33.5' LT	5212.3
81		19+62.00, 33.5' LT	5210.7
82		20+07.35, 33.5' LT	5208.6
83		20+47.65, 33.5' LT	5206.7
84		20+71.84, 33.5' LT	5205.0
85		21+76.75, 33.5' LT	5201.7
86		22+09.86, 33.5' LT	5200.4
87		22+40.07, 33.5' LT	5199.2
88		22+92.39, 33.5' LT	5197.3
89		23+40.07, 33.5' LT	5195.5
90		23+77.29, 33.5' LT	5194.1
91		24+17.37, 33.5' LT	5192.5
92		24+57.37, 33.5' LT	5191.2
93		24+97.37, 33.5' LT	5189.6
94		25+37.37, 33.5' LT	5188.0
95		25+77.37, 33.5' LT	5186.6
96		26+17.37, 33.5' LT	5185.1
97		26+57.37, 33.5' LT	5183.5
98		26+92.07, 33.5' LT	5182.0
99		27+11.48, 33.5' RT	5181.3
100		26+71.48, 33.5' RT	5182.9
101		26+31.48, 33.5' RT	5184.5
102		25+91.48, 33.5' RT	5186.0
103		25+51.48, 33.5' RT	5187.4
104		25+11.48, 33.5' RT	5188.9
105		24+71.48, 33.5' RT	5190.5
106		24+31.48, 33.5' RT	5191.9
107		23+91.48, 33.5' RT	5193.5
108		23+52.92, 33.5' RT	5194.7
109		23+14.98, 33.5' RT	5196.3
110		22+76.84, 33.5' RT	5197.6
111		22+37.07, 33.5' RT	5199.2
112		21+94.48, 33.5' RT	5200.9
113		21+40.92, 33.5' RT	5202.5
114		21+08.26, 33.5' RT	5204.1
115		20+65.35, 33.5' RT	5205.6
116		20+22.13, 33.5' RT	5207.4
117		19+84.54, 33.5' RT	5209.1
118		19+42.58, 33.5' RT	5211.1
119		19+04.80, 33.5' RT	5212.8

NOTE: STATIONING IS AT END OF SAS AT EASEMENT

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AS-BUILT INFORMATION
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AGRS MONUMENT AND BENCHMARK "1-N8"
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G-G=0.999676466
Δα=00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES
1 | CSI-CARTESIAN SURVEYS INC. | 02/2020

ENGINEER'S SEAL
02/23/21

NO.	DATE	BY	REVISIONS / REMARKS

DESIGN | DESIGNED BY ANW | DATE 02/2021
DRAWN BY thor | DATE 02/2021
CHECKED BY ANW | DATE 02/2021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1

CARESSO LOOP (CONT.)
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | Mo./DAY/YR. | Mo./DAY/YR.
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021
LAST DESIGN UPDATE

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 35 Of 37

RECORD DRAWING

WATER METER COORDINATES		
LOT/S	X	Y
80/81	1490305.54'	1468041.34'
82/83	1490385.50'	1468056.64'
84	1490425.68	1468063.67
85/86	1490563.54'	1468063.50'
87/88	1490643.70'	1468047.75'
89/90	1490723.06'	1468038.74'
91	1490763.04'	1468038.04'
92/93	1490842.93'	1468037.99'
94/95	1490923.04'	1468037.92'
96/97	1491003.06'	1468037.79'
98	1491072.64'	1468037.82'
99	1491096.96'	1468004.20'
100/101	1491017.23'	1468004.16'
102/103	1490937.08'	1468004.28'
104/105	1490857.16'	1468004.37'
106/107	1490777.16'	1468004.30'
108/109	1490696.78'	1468006.63'
110/111	1490616.52'	1468018.91'
112/113	1490536.96'	1468032.46'
114/115	1490457.53'	1468033.13'
116/117	1490377.76'	1468020.28'
118/119	1490297.38'	1468006.63'
17(UN.3)		

WATER METER TABLE			
LOT	SIZE	STATION & OFFSET	ALIGNMENT
80/81	3/4"	19+33.37, 16.5' LT	CARESSO
82/83		20+17.14, 16.5' LT	
84*		20+55.61, 16.5' LT	
85/86		21+87.14, 16.5' LT	
87/88		22+67.37, 16.5' LT	
89/90		23+51.26, 16.5' LT	
91*		23+92.36, 16.5' LT	
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94/95		25+52.36, 16.5' LT	
96/97		26+32.36, 16.5' LT	
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104/105		24+86.48, 16.5' RT	
106/107		24+06.48, 16.5' RT	
108/109		23+28.38, 16.5' RT	
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NOTES:
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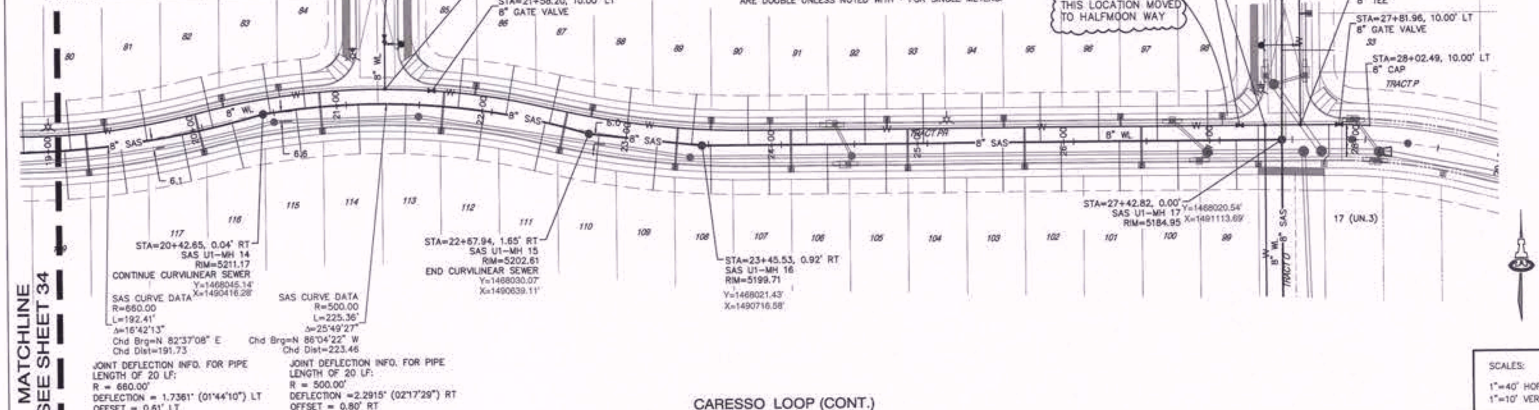
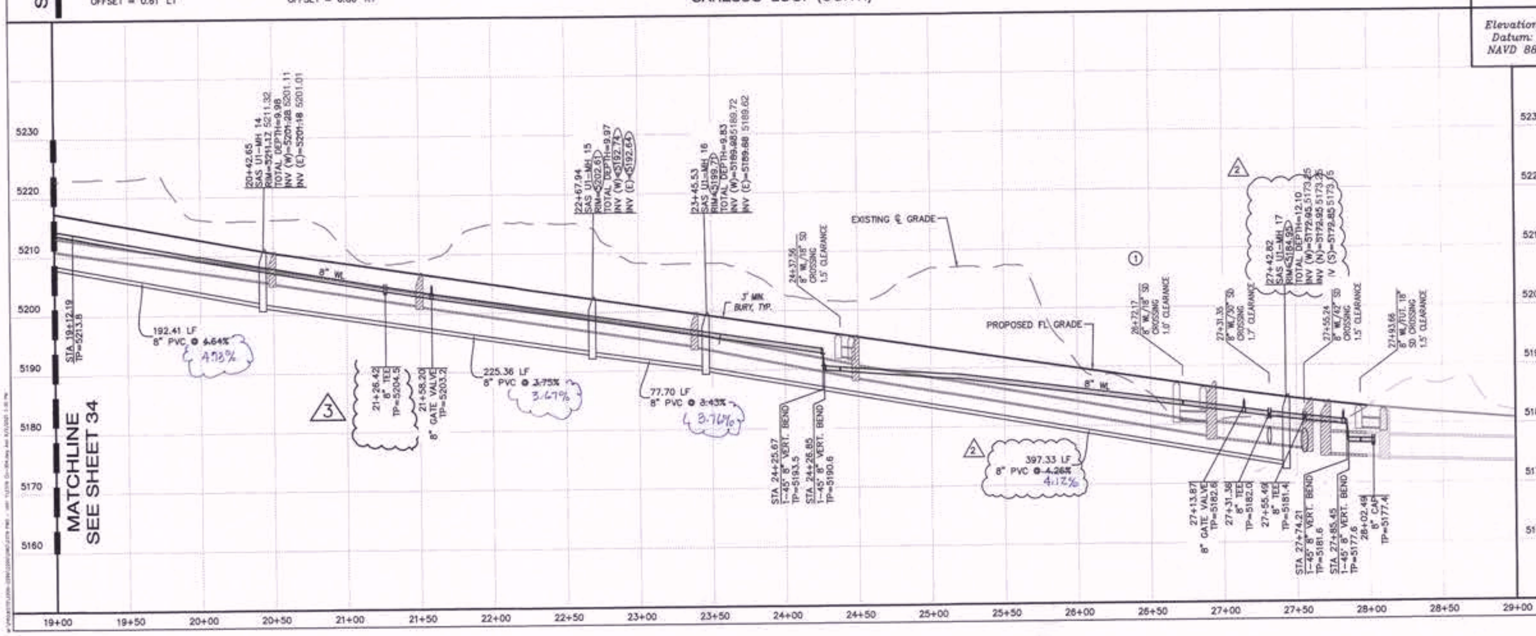


CARESSO LOOP (CONT.)

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88



UTILITY NOTES

1. CONSTRUCT 4" SAS SERVICES PER ABCWUA STD DWG #2125.
2. CONSTRUCT SAS MANHOLES W/ FRAME & COVER PER ABCWUA STD DWG #2102 & #2109 (CONCENTRIC).
3. WATERLINE CONNECTIONS PER ABCWUA STD DWG 2301.
4. INSTALL NON-PRESSURE CONNECTIONS PER ABCWUA STD DWG 2301.
5. INSTALL WATER VALVE BOX WITH RING AND COVER PER ABCWUA STD DWG 2326 & 2328.
6. CONSTRUCT 3/4" WATER SERVICES AND METER BOXES PER ABCWUA STD DWG #2361, 2362, 2366 & 2368.
7. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
8. SEE SHEET 28 FOR WATER SHUT-OFF PLAN.
9. SEE SHEET 28 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
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14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

KEYED NOTES

1. INSTALL LEAN FILL AT CROSSINGS WHERE CLEARANCE IS LESS THAN 18" EXTENDING 5' EACH SIDE.

SAS SERVICE TABLE			
LOT #	SIZE	STATION & OFFSET	INV @ END
80	4"	19+07.96, 33.5' LT	5212.3
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82		20+07.35, 33.5' LT	5208.6
83		20+47.65, 33.5' LT	5206.7
84		20+71.84, 33.5' LT	5205.0
85		21+76.75, 33.5' LT	5201.7
86		22+09.86, 33.5' LT	5200.4
87		22+40.07, 33.5' LT	5199.2
88		22+92.39, 33.5' LT	5197.3
89		23+40.07, 33.5' LT	5195.5
90		23+77.29, 33.5' LT	5194.1
91		24+17.37, 33.5' LT	5192.5
92		24+57.37, 33.5' LT	5191.2
93		24+97.37, 33.5' LT	5189.6
94		25+37.37, 33.5' LT	5188.0
95		25+77.37, 33.5' LT	5186.6
96		26+17.37, 33.5' LT	5185.1
97		26+57.37, 33.5' LT	5183.5
98		26+92.07, 33.5' LT	5182.0
99		27+11.48, 33.5' RT	5181.3
100		26+71.48, 33.5' RT	5182.9
101		26+31.48, 33.5' RT	5184.5
102		25+91.48, 33.5' RT	5186.0
103		25+51.48, 33.5' RT	5187.4
104		25+11.48, 33.5' RT	5188.9
105		24+71.48, 33.5' RT	5190.5
106		24+31.48, 33.5' RT	5191.9
107		23+91.48, 33.5' RT	5193.5
108		23+52.92, 33.5' RT	5194.7
109		23+14.98, 33.5' RT	5196.3
110		22+76.84, 33.5' RT	5197.6
111		22+37.07, 33.5' RT	5199.2
112		21+94.48, 33.5' RT	5200.9
113		21+40.92, 33.5' RT	5202.5
114		21+08.26, 33.5' RT	5204.1
115		20+65.35, 33.5' RT	5205.6
116		20+22.13, 33.5' RT	5207.4
117		19+84.54, 33.5' RT	5209.1
118		19+42.58, 33.5' RT	5211.1
119		19+04.80, 33.5' RT	5212.8

NOTE: STATIONING IS AT END OF SAS AT EASEMENT

AS-BUILT INFORMATION: CONTRACTOR SALLS; SPINELLO-DCS; CARTESIAN SURVEYS 2/24/22

BENCH MARKS: AGRS MONUMENT AND BENCHMARK "1-N8"; N=1470741.879 ; E=1488701.82; G-G=0.999676466; Δα=00°17'27.70"; CENTRAL ZONE; ELEVATION=5307.25 (NAD83/NAVD88)

SURVEY INFORMATION — FIELD NOTES: 1 | CSI-CARTESIAN SURVEYS INC. | 02/2020

ENGINEER'S SEAL: ASA M. NILSSON-WEBER, NEW MEXICO, 17631, PROFESSIONAL ENGINEER, 02/23/21

NO.	DATE	REMARKS	BY
3	08/21	ADJ. WL AT FH'S FOR VALVE CLEARANCE	
2	07/21	EXST SAS MH TO REMAIN/INV. ADJ.	
1	05/21	REVISED STORM DRAIN TABLES	ANW

REVISIONS: DESIGNED BY ANW 02/2021; DRAWN BY thor 02/2021; CHECKED BY ANW 02/2021

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Albuquerque, NM 87108
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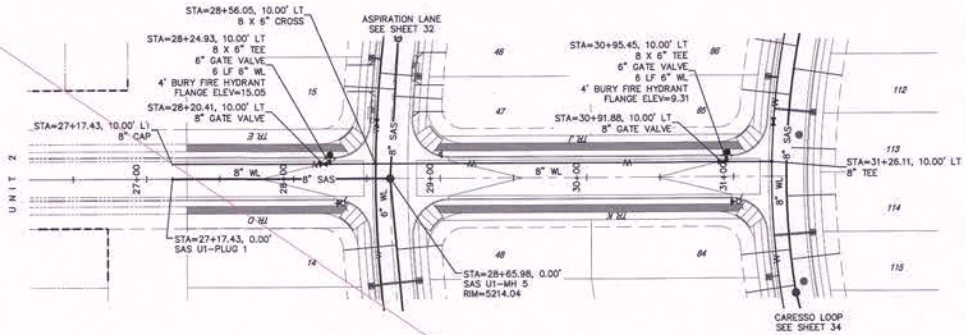
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1
CARESSO LOOP (CONT.)
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	35	37

RECORD DRAWING



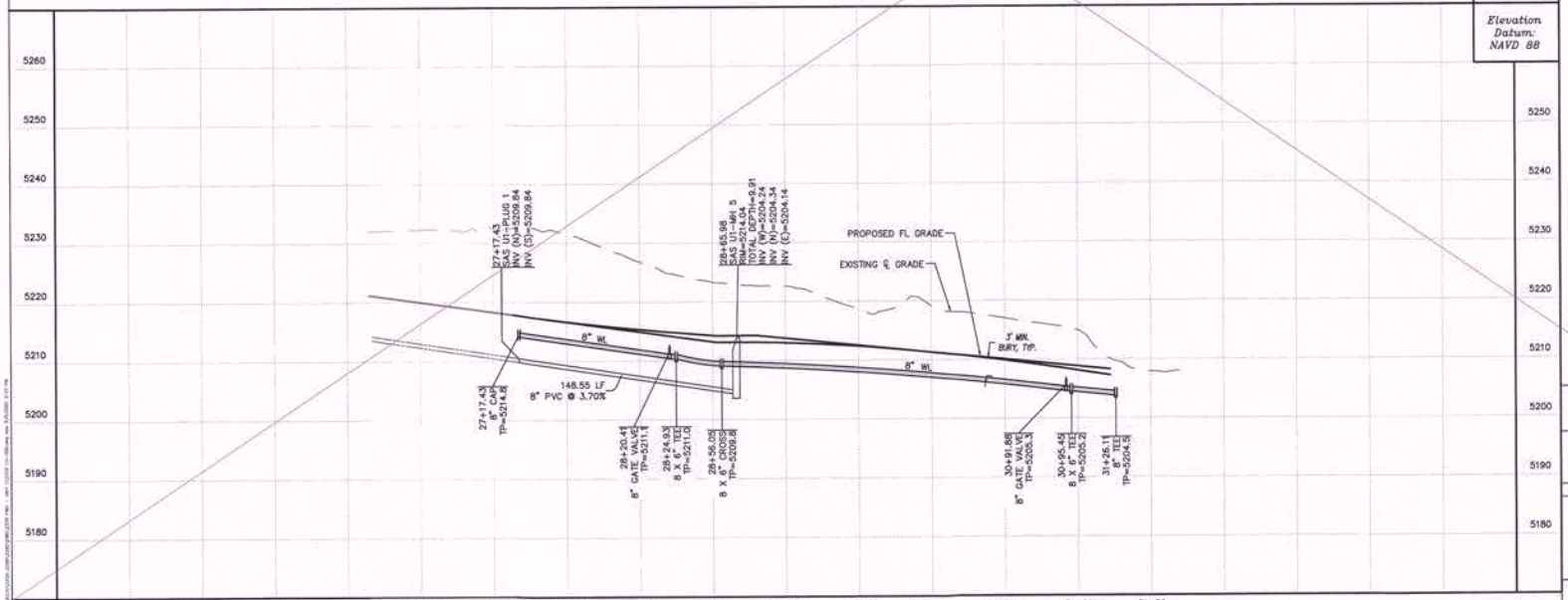
UTILITY NOTES

1. CONSTRUCT 4" SAS SERVICES PER ABCWUA STD DWG #2125.
2. CONSTRUCT SAS MANHOLES W/ FRAME & COVER PER ABCWUA STD DWG #2102 & #2109 (CONCENTRIC).
3. WATERLINE CONNECTIONS PER ABCWUA STD DWG 2301.
4. INSTALL NON-PRESSURE CONNECTIONS PER ABCWUA STD DWG 2301.
5. INSTALL WATER VALVE BOX WITH RING AND COVER PER ABCWUA STD DWG 2326 & 2328.
6. CONSTRUCT 3/4" WATER SERVICES AND METER BOXES PER ABCWUA STD DWG #2361, 2362, 2366 & 2368.
7. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
8. SEE SHEET 28 FOR WATER SHUT-OFF PLAN.
9. SEE SHEET 28 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
10. SEE SHEET 29 FOR AS-BUILT COORDINATE TABLES.
11. ALL WATERLINES SHALL BE C-900 UNLESS OTHERWISE NOTED.
12. ALL SANITARY SEWER LINES SHALL BE SDR-35.
13. TRACER WIRE AND APPURTENANCES SHALL BE INSTALLED PER ABCWUA STD DWGS 2190, 2191, 2302, 2327, 2365, 2342, 2379, 2740 & 2741. COST FOR TRACER WIRES & APPURTENANCES SHALL BE INCLUDED IN WATER & SEWER LINE PIPE PAY ITEMS.
14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88

SABINO LOOP



AS-BUILT INFORMATION

BENCH MARKS

AGRS MONUMENT AND BENCHMARK "1-A16"
N=1470741.879 ; E=1488701.82
C-G=0.99967646
Δα=00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION

FIELD NOTES: 1 | 03-ARTESIAN SURVEYS INC. | 10/2020

ENGINEER'S SEAL

ASH W. NILSSON-WEBER
NEW MEXICO
17631
REGISTERED PROFESSIONAL ENGINEER
02/23/21

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	02/2021	DESIGNED BY ANW	DATE
	02/2021	DRAWN BY thor	DATE
	02/2021	CHECKED BY ANW	DATE

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

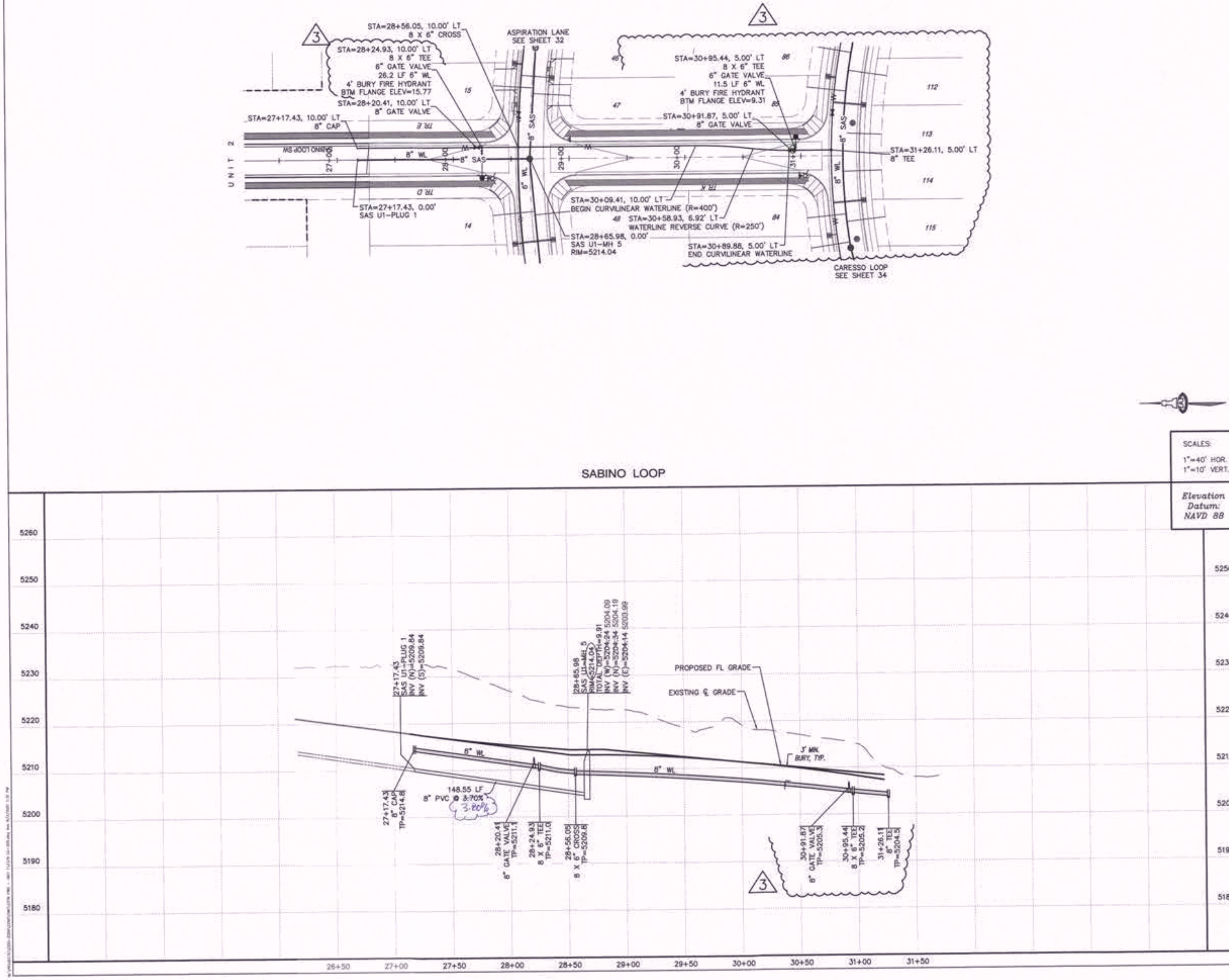
ASPIRE SUBDIVISION, UNIT 1

SABINO LOOP
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR	Mo./DAY/YR
Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021				

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 36 Of 37

RECORD DRAWING



SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NAVD 88

UTILITY NOTES

1. CONSTRUCT 4" SAS SERVICES PER ABCWUA STD DWG #2125.
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6. CONSTRUCT 3/4" WATER SERVICES AND METER BOXES PER ABCWUA STD DWG #2361, 2362, 2366 & 2368.
7. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
8. SEE SHEET 26 FOR WATER SHUT-OFF PLAN.
9. SEE SHEET 28 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
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14. REMOVE & REPLACE ARTERIAL PAVING PER COA STD DWG 2465.

AS-BUILT INFORMATION
CONTRACTOR: SALLS
SPINELLO-DCS, 2/24/22
CARTESIAN SURVEYS

MICRO-FILM INFORMATION

BENCH MARKS
AGRS MONUMENT AND BENCHMARK "1-N8"
N=1470741.879 ; E=1488701.82
G-G=0.99967646
Δα=-00°17'27.70"
CENTRAL ZONE
ELEVATION=5307.25
(NAD83/NAVD88)

SURVEY INFORMATION
FIELD NOTES
1 CSI-CARTESIAN SURVEYS INC. 02/2020

ENGINEER'S SEAL
ASA M. NILSSON-WEBER, NEW MEXICO, 17531, PROFESSIONAL ENGINEER
02/23/21

NO.	DATE	REMARKS	BY
3	08/21	ADJ. WL AT FH'S FOR VALVE CLEARANCE	ANW
2	07/21	EXST SAS MH TO REMAIN/INV. ADJ.	
1	05/21	REVISED STORM DRAIN TABLES	

DESIGN	BY	DATE
DESIGNED BY	ANW	02/2021
DRAWN BY	thor	02/2021
CHECKED BY	ANW	02/2021

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ASPIRE SUBDIVISION, UNIT 1

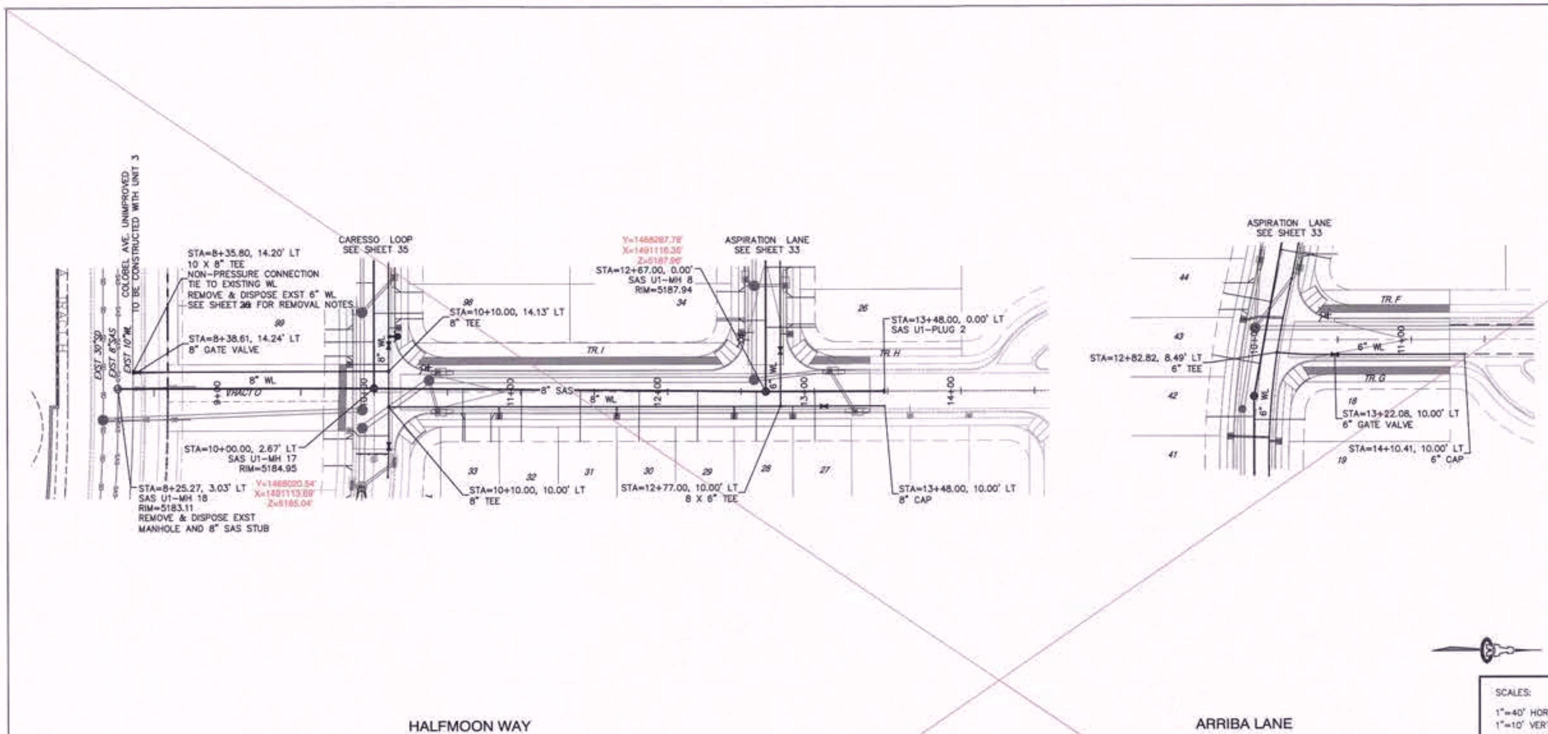
SABINO LOOP

UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of
757580	N-8-Z	36	37

RECORD DRAWING



SCALES:
1"=40' HOR.
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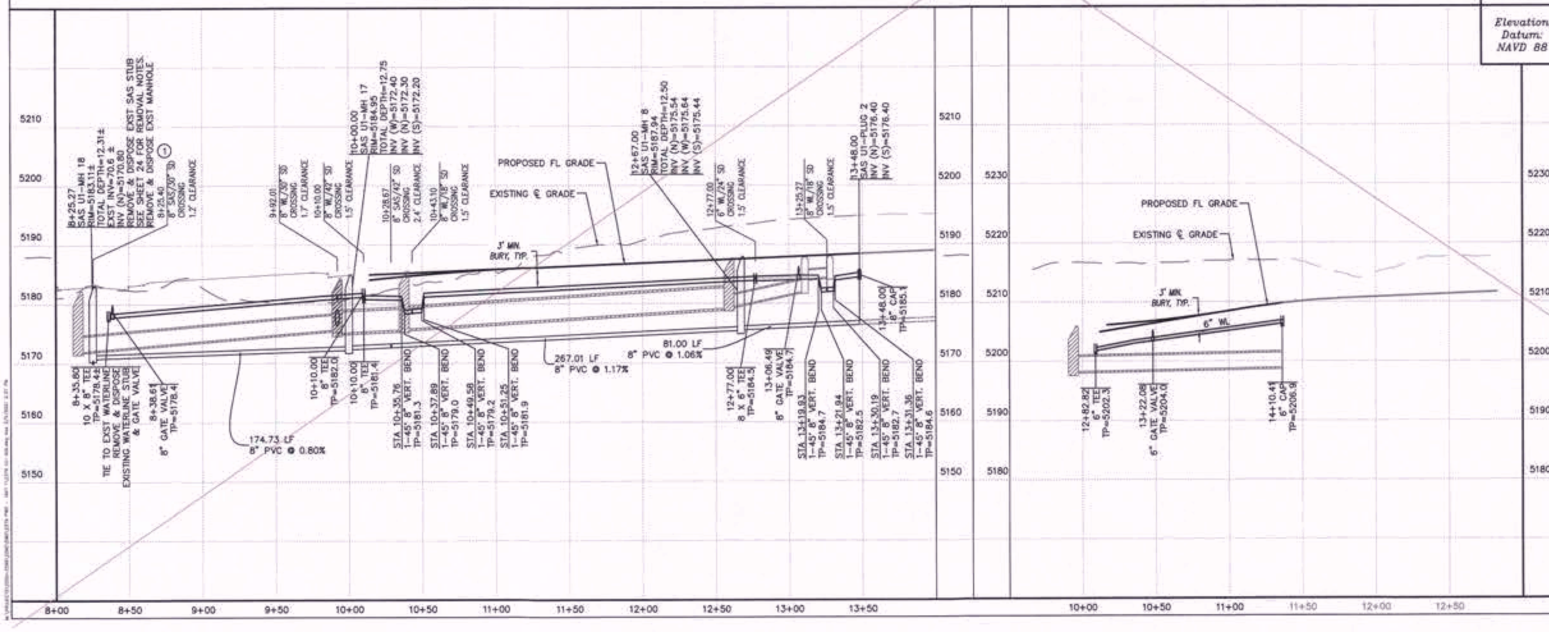
Elevation Datum: NAVD 88



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○ KEYED NOTES

1. INSTALL LEAN FILL AT CROSSINGS WHERE CLEARANCE IS LESS THAN 18" EXTENDING 5' EACH SIDE.

WATER METER COORDINATES

LOT/S	X	Y
27	1491133.16'	1468306.40'
28/29	1491133.02'	1468266.24'
30/31	1491133.04'	1468186.32'
32/33	1491133.08'	1468106.54'

WATER METER TABLE

LOT	SIZE	STATION & OFFSET	ALIGNMENT
27*	3/4"	12+85.27, 16.5' RT	HALFMOON
28/29	↓	12+45.27, 16.5' RT	↓
30/31		11+65.27, 16.5' RT	
32/33		10+85.27, 16.5' RT	

NOTES:
STATIONING IS TO CENTER OF METER BOX.
WATER METERS ARE DOUBLE UNLESS NOTED WITH * FOR SINGLE METERS.

SAS SERVICE TABLE

LOT #	SIZE	STATION & OFFSET	INV @ END
27	4"	13+00.271, 33.5' RT	5183.4
28	↓	12+60.27, 33.5' RT	5182.9
29		12+20.27, 33.5' RT	5182.6
30		11+80.27, 33.5' RT	5182.1
31		11+40.27, 33.5' RT	5181.7
32		11+00.27, 33.5' RT	5181.3
33		10+60.27, 33.5' RT	5180.9

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BENCH MARKS: AGRS MONUMENT AND BENCHMARK "1-N8" N=1470741.879 ; E=1488701.82 G-G=0.999676466 Δα=-00°17'27.70" CENTRAL ZONE ELEVATION=5307.25 (NAD83/NAVD88)

SURVEY INFORMATION — FIELD NOTES: 1 | CSI-CARTESIAN SURVEYS INC. | 02/2020

AS-BUILT INFORMATION — MICRO-FILM INFORMATION

ENGINEER'S SEAL: ASA M. NILSSON-WEBER, NEW MEXICO, 17638, PROFESSIONAL ENGINEER — 02/23/21

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NO.	DATE	REVISIONS	REMARKS	BY
		DESIGN		

DESIGNED BY ANW DATE 02/2021
DRAWN BY thor DATE 02/2021
CHECKED BY ANW DATE 02/2021

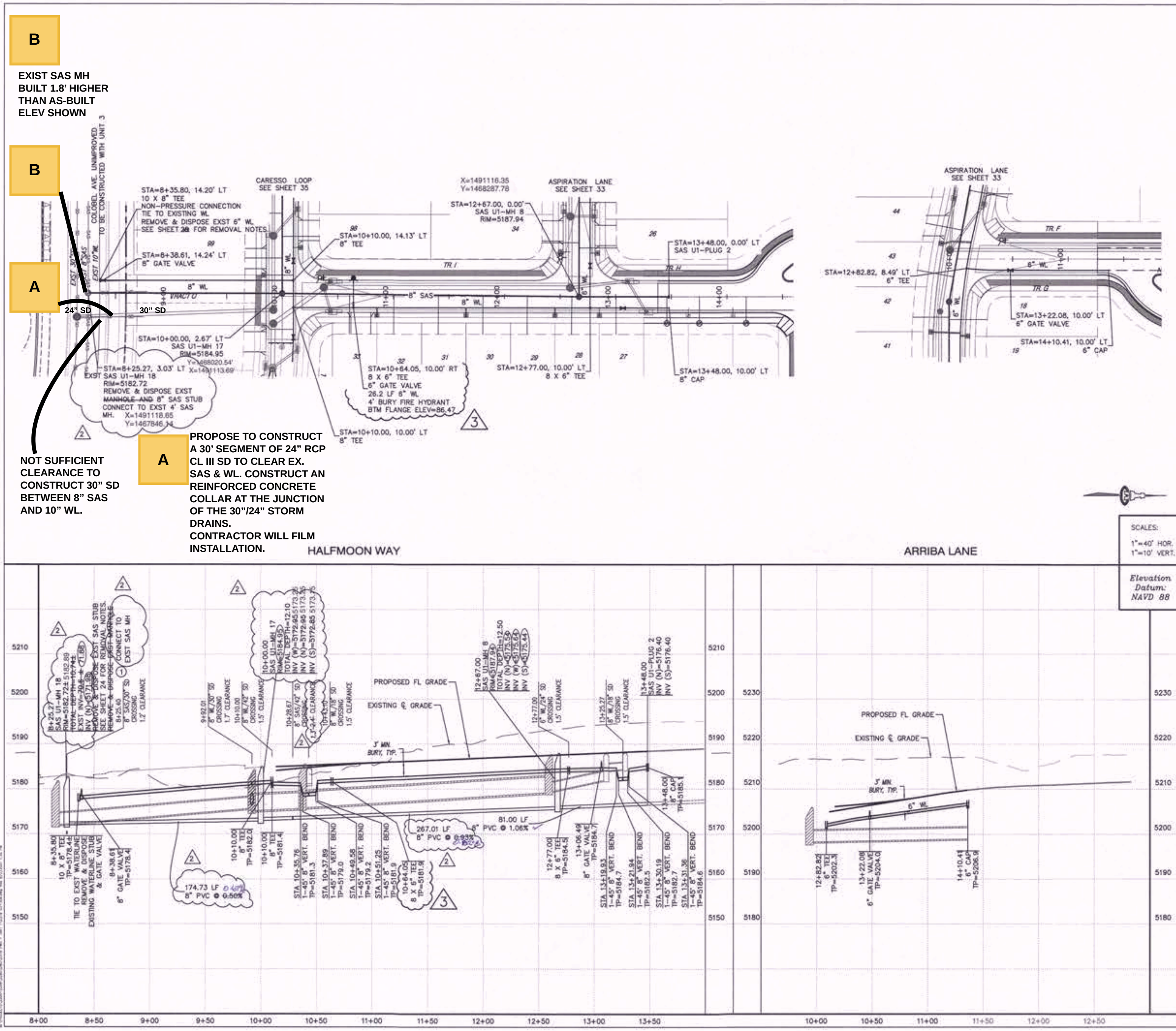
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
ASPIRE SUBDIVISION, UNIT 1
HALFMOON WAY & ARRIBA LANE
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.

Approved by Albuquerque Design Review Committee and City Engineer June 28, 2021

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 37 Of 37

RECORD DRAWING



UTILITY NOTES

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SURVEY INFORMATION: FIELD NOTES — CS-CARTESIAN SURVEYS INC. 02/2020

ENGINEER'S SEAL: ASA W. NILSSON-WEBER, NEW MEXICO, 17831, PROFESSIONAL ENGINEER, 02/23/21

NO.	DATE	REMARKS	BY
3	08/21	ADJ. WL AT FH'S FOR VALVE CLEARANCE	
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1	05/21	REVISED STORM DRAIN TABLES	ANW

DESIGNED BY ANW DATE 02/2021
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CITY OF ALBUQUERQUE
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UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | Mo./DAY/YR. | Mo./DAY/YR.

City Project No. 757580 | Zone Map No. N-8-Z | Sheet 37 Of 37