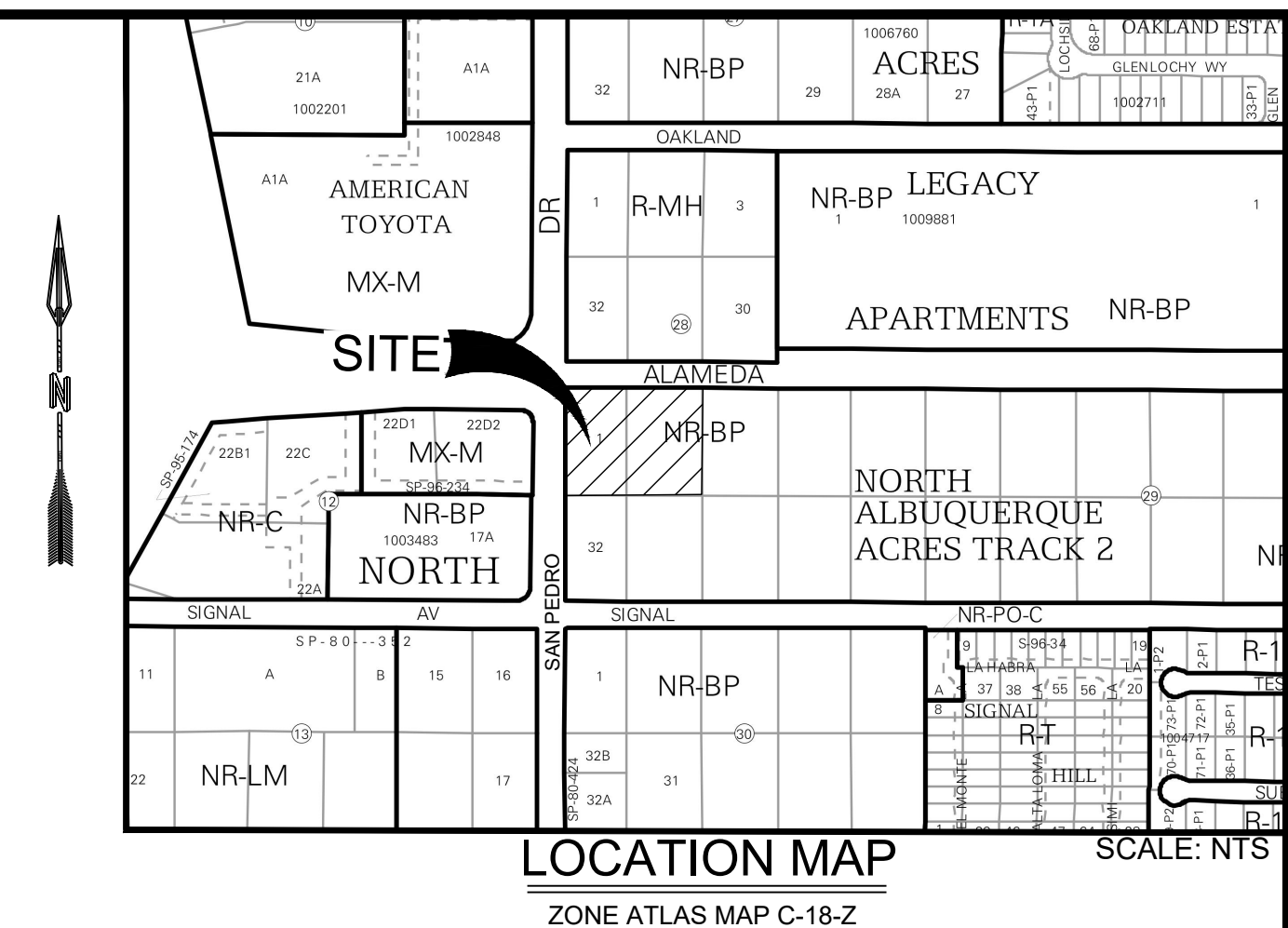


CONSTRUCTION PLANS FOR MIXED USE DEVELOPMENT AT ALAMEDA AND SAN PEDRO, LOT 1-A

CITY OF ALBUQUERQUE
NEW MEXICO
COA PROJECT NO. 766383
ABCWUA AVAILABILITY STATEMENT NO. 180526
DRB PROJECT NO. PR-2018-001346
JULY 2021






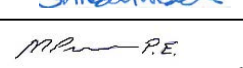

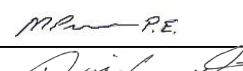
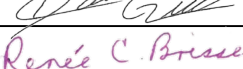
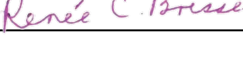
APPLICANT:
RESPEC, Jeremy Shell, P.E.
5971 JEFFERSON ST NE, SUITE 101
ALBUQUERQUE, NM 87109
(505) 264-0472

DEVELOPER:
Green Jeans West, LLC

APPROVED RECORD DRAWINGS	
City Inspector	Tim Sims
Contractor	Diverse Development LLC
Construction Engineer	David Bishop
Date	4/1/2022

Sheet List Table

Sheet Number	Sheet Title
1	COVER
2	GENERAL NOTES & LEGEND
3	INFORMATION SHEET - GRADING AND DRAINAGE PLAN
4	STORM DRAIN PLAN AND PROFILE

  RESPEC <small>COMMUNITY DESIGN SOLUTIONS 5971 JEFFERSON STREET SUITE 101 ALBUQUERQUE, NEW MEXICO 87109 WWW.RESPEC.COM PHONE: (505)253-9718</small>							
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	*****	
 07/21/2021		DRC Chairman			8/11/2021	APPROVED FOR CONSTRUCTION  1/19/2022 City Engineer Date	
		Transportation			8/5/2021		
		Water/Wastewater			8/11/2021		
		Hydrology			08/09/21		
		Parks					
Constr. Mngmt.							
Constr. Coord.							
City Project No.		766383		Sheet		Of	4

CONSTRUCTION NOTES:

1. 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.

2. 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.

3. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL 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 COORDINATE RELOCATION OF UTILITY LINES WITH UTILITY COMPANIES AS REQUIRED.

4. 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.

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

6. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2020 EDITION.

7. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, (ALBUQUERQUE AREA) 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING PUBLIC UTILITIES.

8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.

9. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.

10. TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.

11. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

12. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF CITY SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT CITY SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT CITY SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.

13. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.

14. ALL CITY STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET. FINAL STRIPING TO BE COORDINATED WITH C.O.A. TRAFFIC OPERATIONS.

15. CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY, WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

16. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY MAY REQUIRE TWENTY-FOUR HOUR CONSTRUCTION.

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

18. WHEN APPLICABLE, CONTRACTOR SHALL, ON BEHALF OF THE OWNER AND OPERATORS, SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.

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

20. ALL FILL SHALL BE CLEAN, FREE FROM VEGETATION, DEBRIS, AND OTHER DELETERIOUS MATERIALS, AND SHALL NOT BE CONTAMINATED WITH HYDROCARBONS OR OTHER CHEMICAL CONTAMINANTS.

21. IF CULTURAL RESOURCES, SUCH AS HISTORIC OR PREHISTORIC ARTIFACTS OR HUMAN REMAINS ARE DISCOVERED DURING EXCAVATION OR CONSTRUCTION, WORK SHALL CEASE AND THE ENGINEER SHALL NOTIFY LOCAL AUTHORITIES. IF HUMAN REMAINS ARE DETERMINED BY THE OFFICE OF THE MEDICAL EXAMINER NOT TO BE RECENT, THE ENGINEER SHALL NOTIFY THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AT 827-6320.

22. TWO WEEKS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL NOTIFY ABQRIDE TRANSIT DEPARTMENT TO DISCUSS THE IMPACT OF TRAFFIC CONTROL PLAN ON BUS ROUTE AND ANY OTHER TRANSIT INFRASTRUCTURE BEING IMPACTED. CONTACT PERSON FOR ABQRIDE: DOUG GOFF (505) 724-3139 OR (505) 331-0253, EMAILS: dgoff@abq.gov

23. 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.

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

25. 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").

26. 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.

27. 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.

28. 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.

29. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO THE CITY OF ALBUQUERQUE SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, COA 2020 SPECIFICATIONS.

30. CONTRACTOR SHALL INSTALL A 4" X 4" X 5' POST AND EMS AT THE END OF EACH SANITARY SEWER SERVICE.

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

32. 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.

33. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINE, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

34. INSTALL TRACER WIRE PER DETAILS INCLUDED IN THIS PLANSET.

35. 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.

36. ADJACENT PROPERTIES WILL NOT BE DISTURBED WITH CONSTRUCTION OF THE INFRASTRUCTURE SHOWN HEREIN.

37. 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 PATH MUST BE EXPANDED TO COVER DAMAGES.

38. REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.

ABBREVIATIONS

@

CL

COA

DWG

DTL

DI

EL

FL

INV

LF

LT

MAX

MIN

MH

NO

PC

RCP

RT

STA

STD

TA

TP

TBC

TOC

AT

CENTERLINE

CITY OF ALBUQUERQUE

DRAWING

DETAIL

DROP INLET

ELEVATION

FLOWLINE

INVERT

LINEAR FEET

LEFT

MAXIMUM

MINIMUM

MANHOLE

NUMBER

POINT OF CURVATURE

REINFORCED CONCRETE PIPE

RIGHT

STATION

STANDARD

TOP OF ASPHALT

TOP OF PIPE

TOP BACK CURB

TOP OF CONCRETE

ROADWAY LEGEND

ITEM

EXISTING

PROPOSED

CURB AND GUTTER

ASPAHLT CURB

CONCRETE SIDEWALK

ASPHALT PAVING

ASPHALT REMOVAL

CURB REMOVAL

PATTERNED MEDIAN CONCRETE

GENERAL LEGEND

ITEM

EXISTING

PROPOSED

RIGHT OF WAY LINE

PROPERTY LINE

WATERLINE

METERED

WATER SERVICE

FIRE HYDRANT

VALVE

SANITARY SEWER

SEWER MANHOLE

STORM SEWER

STORM SEWER MANHOLE

DROP INLET

CURB AND GUTTER

HEADER CURB

ENGINEER'S SEAL

JEFFERY W. SHELL

NEW MEXICO

26341

PROFESSIONAL ENGINEER

07/21/2021

SURVEY INFORMATION

FIELD NOTES

NO.

BY

DATE

BENCH MARKS

ALBUQUERQUE CONTROL SURVEY

MONUMENT "UNION" NEW MEXICO

STATE PLANE COORDINATES (CENTRAL

ZONE - NAD 83)

NORTH= 1523 503.475 FEET

EAST= 1 493 655.03 FEET

MAPPING ANGLE= -00°16'58.96"

GROUND TO GRID FACTOR= 0.99866436

ELEVATION= 5524.95 FEET

AS BUILT INFORMATION

CONTRACTOR

STAKED BY

INSPECTORS

FIELD CHANGE BY

REVISIONS BY

DATE

DATE

DATE

DATE

DATE

DATE

REVISIONS

NO.

DATE

BY

REMARKS

REVISIONS

RESPEC DESIGN

DESIGNED BY: JS

DRAWN BY: MR

CHECKED BY: JS

DATE: 07.21.2021

DATE: 07.21.2021

DATE: 07.21.2021

RESPEC

COMMUNITY DESIGN SOLUTIONS

5971 JEFFERSON STREET SUITE 101

ALBUQUERQUE, NEW MEXICO 87109

WWW.RESPEC.COM PHONE: (505)253-9718

CITY OF ALBUQUERQUE

DEPARTMENT OF MUNICIPAL DEVELOPMENT

ENGINEERING DIVISION

MIXED USE DEVELOPMENT AT ALAMEDA & SAN PEDRO, LOT 1-A

GENERAL NOTES & LEGEND

Desian Review Committee

City Engineer Approval

Last Design Update

Mo./Day/Yr.

Mo./Day/Yr.

APPROVED

Aug. 11, 2021

DESIGN REVIEW COMMITTEE

APPROVED

Jan. 19, 2022

CITY ENGINEER

Project No.

766383

Zone Map No.

C-18-Z

Sheet

2

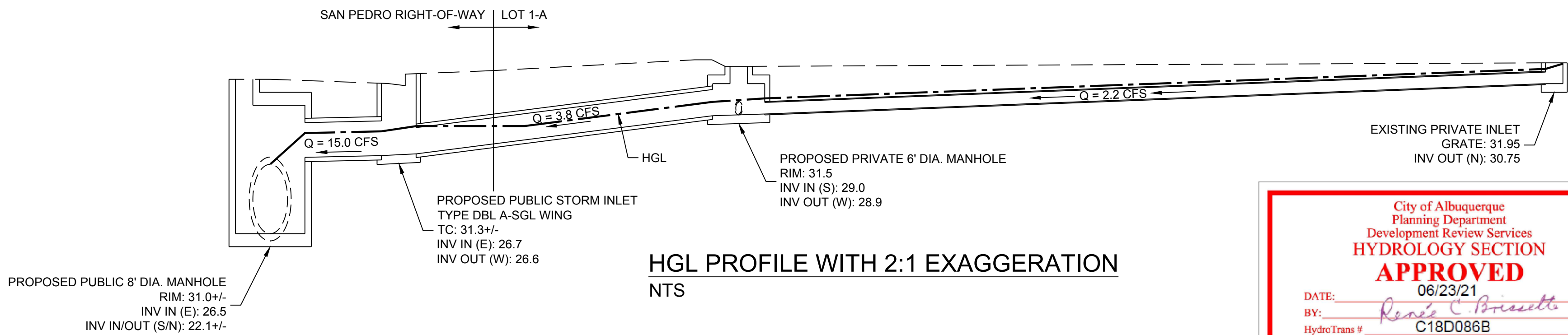
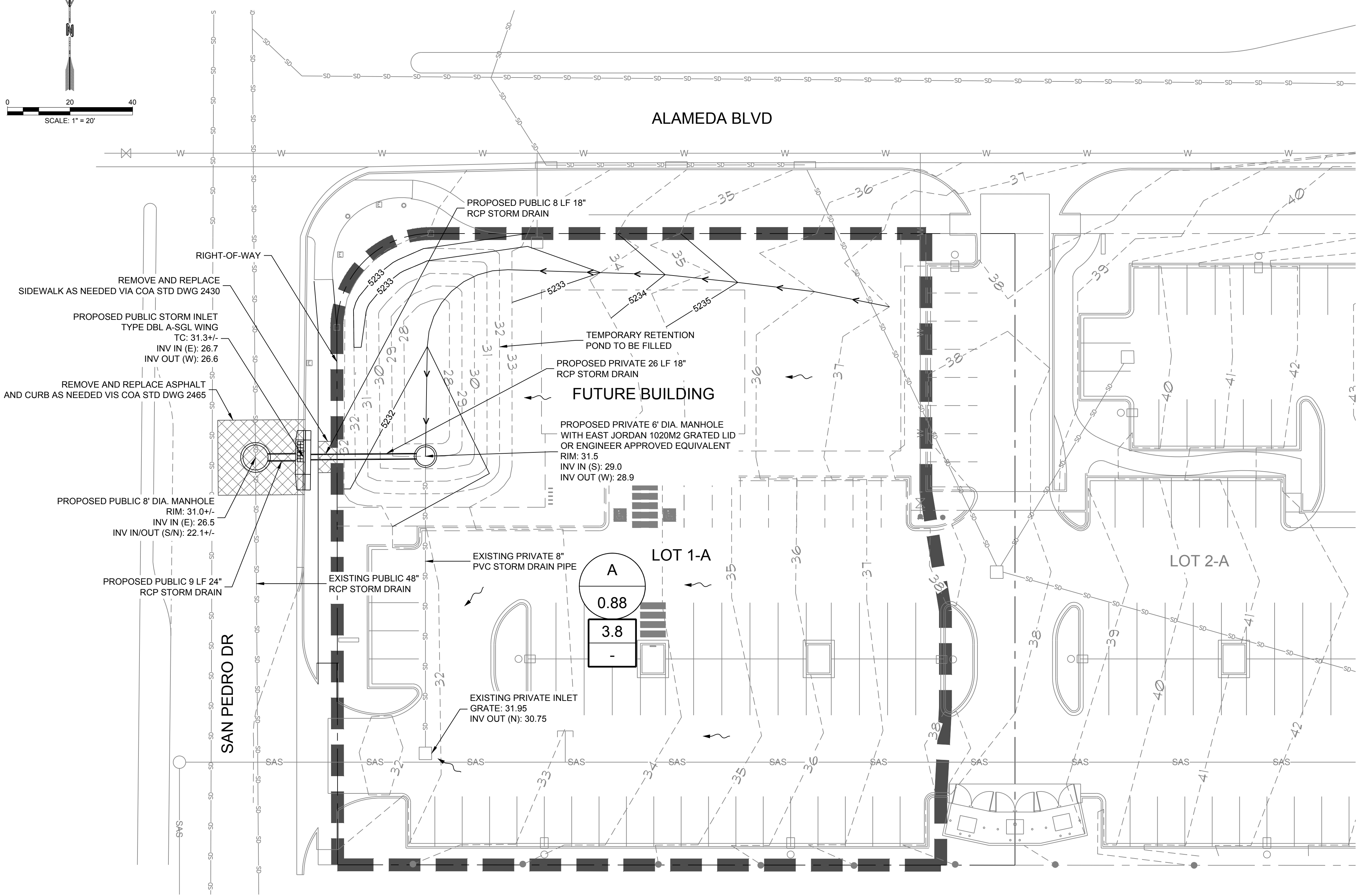
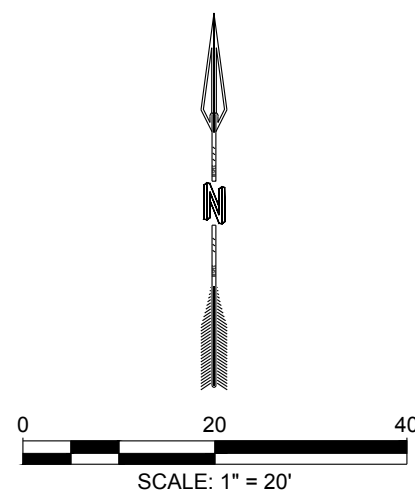
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N:\Projects\03000-28 Solomon TCA\3_DWG\Sheets\03000-28-03 General Plan.dwg Wed, 7/21/21 - 1312, ALEXIAH RARRON

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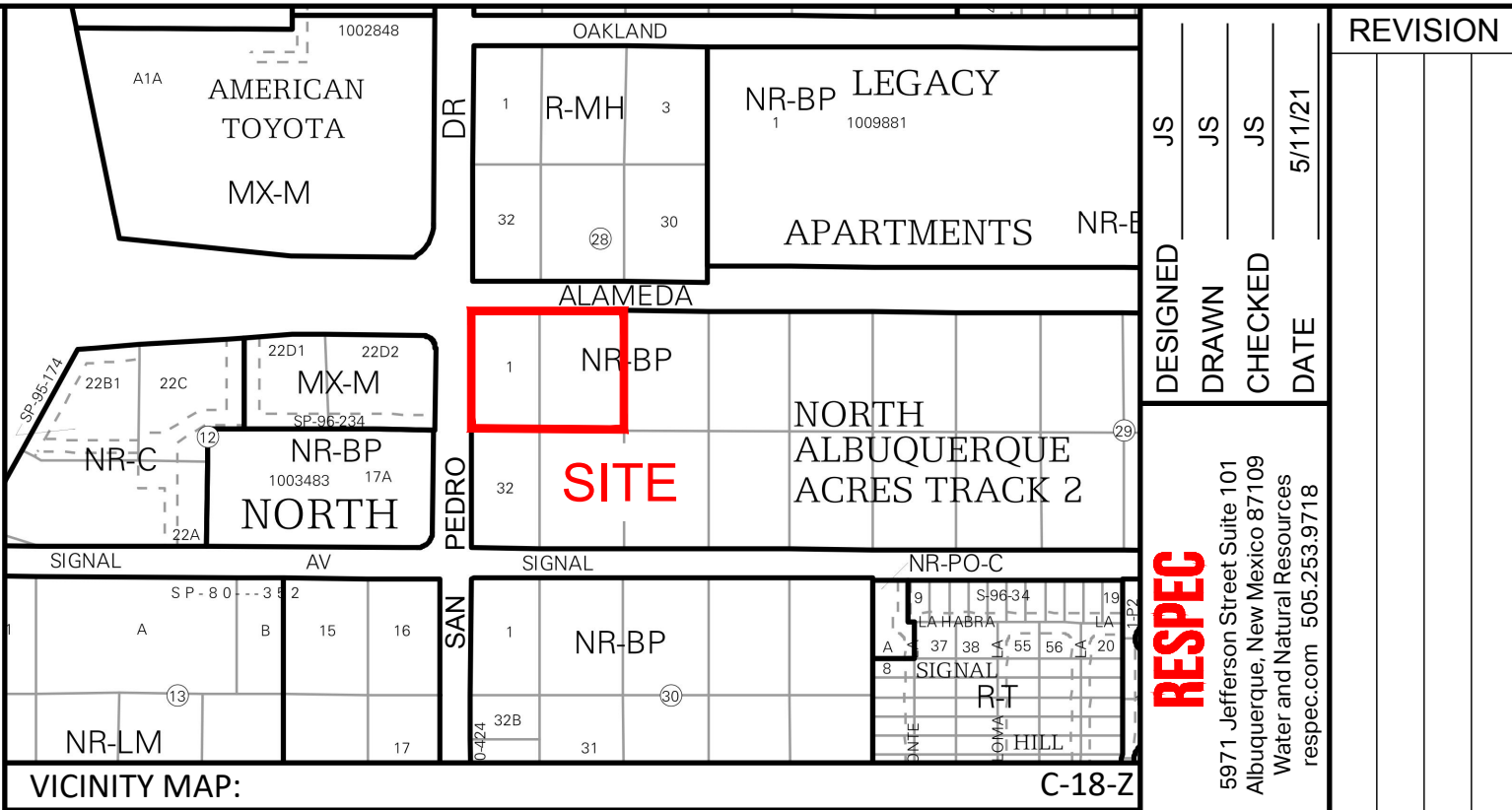
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HGL PROFILE WITH 2:1 EXAGGERATION
NTS

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 06/23/21
BY: *Renee C. Brissette*
HydroTrans #: C18D086B

THE APPROVAL OF THESE PLANS/DRAWINGS SHALL NOT BE
CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY
ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT
THE CITY OF ALBUQUERQUE FROM REQUIRING
CORRECTION, OR ERROR OR OMISSIONS IN PLANS.
SPECIFICATIONS, OR CONSTRUCTIONS, SUCH APPROVED PLANS
SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT
AUTHORIZATION.



BACKGROUND

LOT 1-A, BLOCK 29, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES CONTAINS APPROXIMATELY 1.0 ACRE IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO. THE PROPERTY IS LOCATED AT THE SOUTHEAST CORNER OF ALAMEDA BOULEVARD AND SAN PEDRO DRIVE. LOT 1-A HAS BEEN PARTIALLY DEVELOPED WITH A PARKING LOT, A DIRT PAD FOR A FUTURE BUILDING, AND A TEMPORARY RETENTION POND. THE DRAINAGE REPORT FOR ALAMEDA & SAN PEDRO MIXED USE, TIN CAN ALLEY BY WALLA ENGINEERING DATED MAY 15, 2019 SHOULD BE REFERENCED FOR BACKGROUND RELATED TO THE DEVELOPMENT. SINCE THAT TIME, IT HAS BEEN DETERMINED BY THE FINAL DRAINAGE REPORT FOR THE SAN PEDRO WIDENING PROJECT BY HDR DATED MARCH 23, 2021 THAT THERE IS CAPACITY IN THE SAN PEDRO STORM DRAIN SYSTEM TO ALLOW 5 CFS INTO THE SAN PEDRO STORM DRAIN SYSTEM FROM LOT 1-A. THEREFORE, THIS PROPERTY IS ALLOWED FREE DISCHARGE TO THE SAN PEDRO STORM DRAIN AND THE TEMPORARY RETENTION POND CAN BE REMOVED. THERE IS NO DESIGNATED 100-YEAR FLOODPLAIN SHOWN ON THE SITE.

METHODOLOGY

HYDROLOGY CALCULATIONS FOR THE SITE ARE PERFORMED IN ACCORDANCE WITH THE ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM) ARTICLE 6.2 USING THE RATIONAL METHOD TO CALCULATE PEAK FLOW RATES TO ENSURE ALL FLOW PATHS ARE SUFFICIENT TO CARRY FLOWS. ALL HYDROLOGIC AND HYDRAULIC CALCULATIONS CAN BE FOUND ON THIS SHEET.

EXISTING CONDITIONS

THE SITE, IN GENERAL, SLOPES FROM EAST TO WEST AT A SLOPE OF APPROXIMATELY 5%. STORM WATER RUNOFF GENERATED BY THE SITE DRAINS WEST TO A DROP INLET LOCATED AT THE WESTERN ENTRANCE TO THE PROPERTY. AS MENTIONED IN THE BACKGROUND SECTION, FLOWS ARE RETAINED IN AN ON-SITE POND.

DEVELOPED CONDITIONS

THE DRAINAGE INTENTION OF THE DEVELOPED CONDITIONS IS TO FREELY DISCHARGE SITE FLOWS TO THE SAN PEDRO STORM DRAIN AND ELIMINATE THE NEED FOR THE EXISTING TEMPORARY RETENTION POND.

SUB-BASIN A CONTAINS 0.88 ACRES AND GENERATES 3.8 CFS. RUNOFF FREELY DISCHARGES TO THE SAN PEDRO STORM DRAIN SYSTEM. THIS IS LESS THAN THE 5 CFS ALLOWED BY THE SAN PEDRO WIDENING DRAINAGE REPORT REFERENCED ABOVE.

LEGEND:

- XX XX BASIN DESIGNATION
- XX BASIN AREA, ACRES
- XX 100 YEAR STORM, CFS
- XX XX REQUIRED WATER QUALITY VOLUME
- Sub-basin boundary
- Existing contour
- Proposed contour
- Flow arrow

Basin Name and Area

Basin	Area (ac)
A	0.88

Basin Hydrologic Results

Basin	100 Year Storm (cfs)	Required Water Quality Volume
A	3.8	1.0

Hydrology Calculations

The following calculations are based on Albuquerque's Development Process Manual, Article 6-2

Runoff Rate:

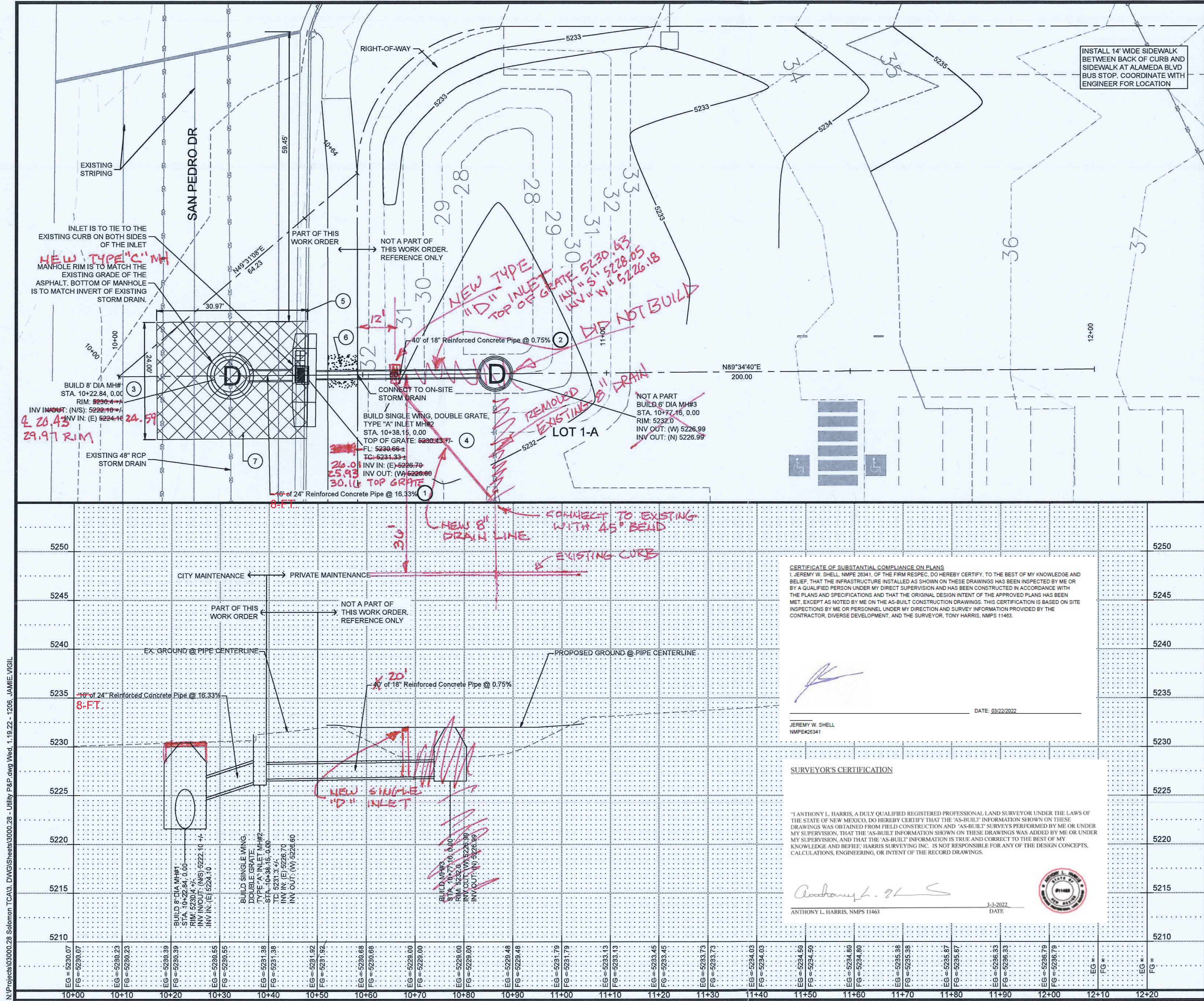
Treatment Type	Area _A (ac)	Area _B (ac)	Area _C (ac)	Area _D (ac)	Total (ac)
A	0.00	0.04	0.04	0.79	0.88
Total	0.00	0.04	0.04	0.79	0.88

Peak Discharge values based on Zone 3 from Table 6.2.14

$Q_A = 1.84$ cfs/ac $Q_B = 2.49$ cfs/ac $Q_C = 3.17$ cfs/ac $Q_D = 4.49$ cfs/ac

Peak Discharge calculation for a 100-yr, 24-hr storm event from equation 6.6

Subbasin	Discharge (cfs)
A	3.8
Total	3.8



STORM DRAIN CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL 24" CLASS III RCP STORM DRAIN
2	INSTALL 18" CLASS III RCP STORM DRAIN
3	INSTALL 8" DIA. MANHOLE PER NM COA STD. DTL 2101
4	INSTALL TYPE "A" CATCH BASIN DOUBLE GRATE AND SINGLE WING, PER COA STD. DTL 2205
5	REMOVE EXISTING C&G AS NEEDED, AND REPLACE SAME AS NEEDED, PER COA STD DTL 2415A
6	REMOVE EXISTING SIDEWALK AND REPLACE AS NEEDED PER COA STD DWG 2430
7	REMOVE AND REPLACE PAVEMENT PER COA STD DWG 2465

AS BUILT INFORMATION

CONTRACTOR	DATE

BENCH MARKS

NO.	DATE

SURVEY INFORMATION

FIELD NOTES	BY	DATE

ENGINEER'S SEAL

JEREMY W. SHELL
NEW MEXICO
26341
07/21/2021
PROFESSIONAL ENGINEER

NOTES

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND DEPTHS PRIOR TO ANY CONSTRUCTION.

REVISIONS

NO.	DATE	REMARKS

DESIGN REVIEW COMMITTEE

DESIGNED BY:	DATE:
JWS	Jan 2022

CITY ENGINEER APPROVAL

DRAWN BY:	DATE:
JMT	Jan 2022

CHECKED BY:

DATE:
Jan 2022

PROJECT INFORMATION

Project No. 766383
Zone Map No. C-18-Z
Sheet 4 of 4

N:\Projects\03000.28 Solomon TCA3, DWG\Sheets\03000.28 - Utility P&P.dwg Wed, 1/19/22 - 1206, JAMIE VIGIL