

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

April 29, 2025

Jared Baeza
Square Root Services, LLC
6701 Edith Blvd NE Unit: Suite A
Albuquerque, NM 87113

**RE: La Morada Commercial Development
7501 La Morada NW
Grading and Drainage Plans
Engineer's Stamp Date: 07/02/2024
Hydrology File: H10D039
Case # HYDR-2025-00035**

Dear Mr. Baeza:

Based upon the information provided in your submittal received 02/13/2025, the Grading & Drainage Plans **are approved** for Grading Permit and Building Permit.

PO Box 1293

PRIOR TO CERTIFICATE OF OCCUPANCY:

Albuquerque

NM 87103

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.
2. Please provide the executed paper Drainage Covenant (latest revision) printed on one-side only with Exhibit A and a check for **\$25.00** made out to "**Bernalillo County**" for the underground stormwater quality ponds per Article 6-15(C) of the DPM to Hydrology for review at Plaza de Sol. Application for Covenant in ABQ-PLAN is also required

www.cabq.gov

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

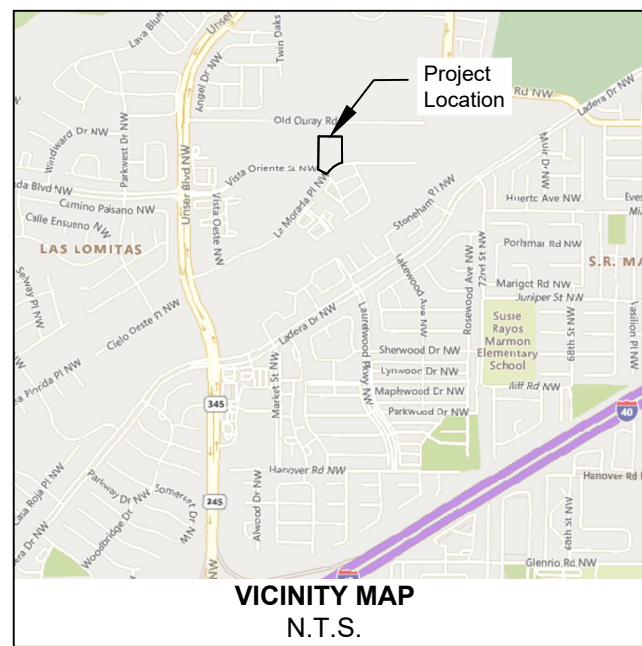
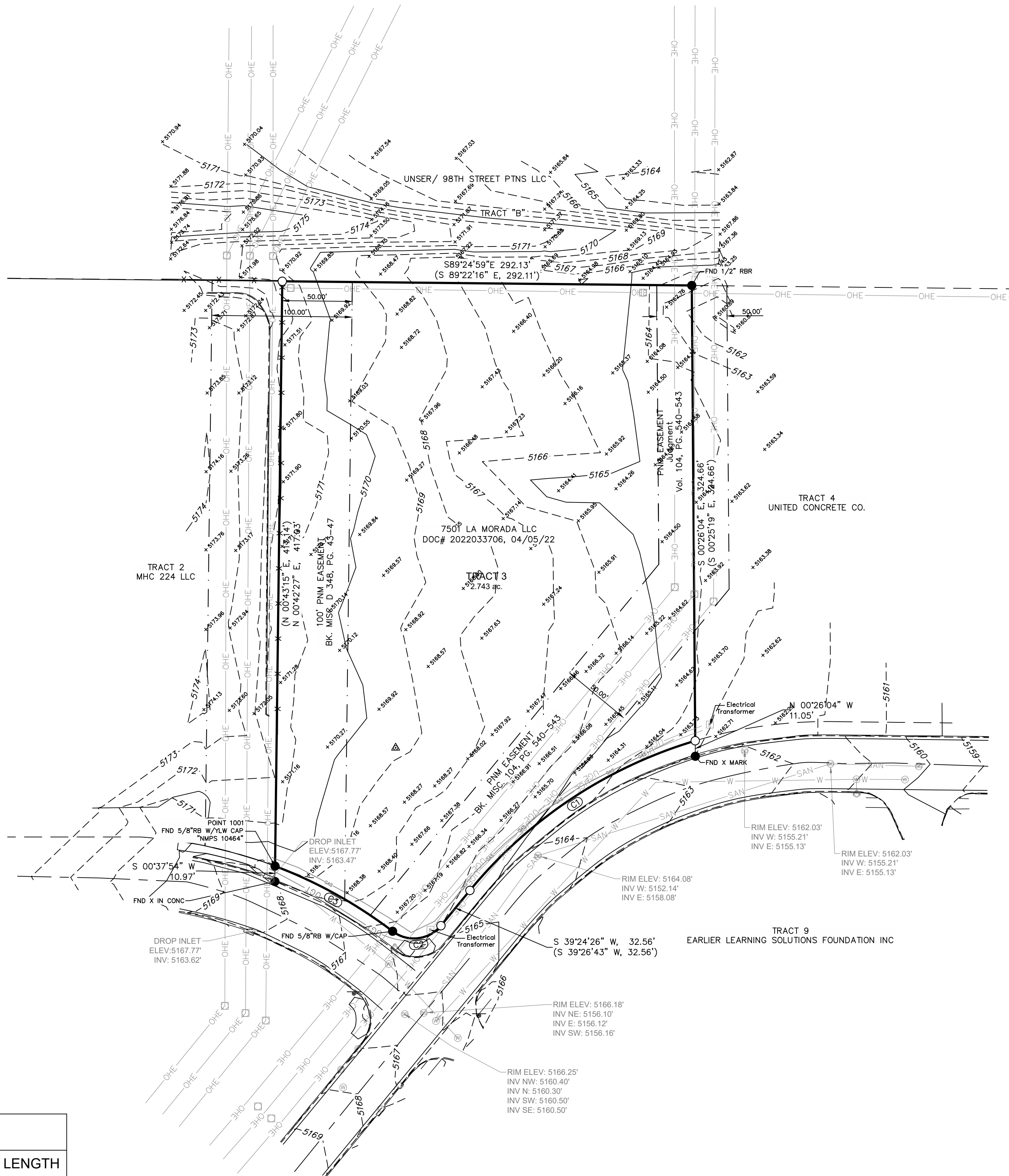
If you have any questions, please contact me at 505-924-3314 or amontoya@cabq.gov.

Sincerely,

Anthony Montoya, Jr., P.E.
Senior Engineer, Hydrology
Planning Department, Development Review Services

TOPOGRAPHIC SURVEY

TRACT 3, PLAT FOR LADERA BUSINESS PARK, UNIT 1, TOWN OF ATRISCO GRANT,
PROJECTED SECTIONS 9 AND 10, TOWNSHIP 10 NORTH, RANGE 2 EAST, N.M.P.M.,
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO



CURVE TABLE					
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1 (MEASURED)	195.78	330.00	33°59'30"	S56°25'28"W	192.92
C1 (RECORDED)	195.78	330.00	33°59'29"	S56°26'27"W	192.92
C2 (MEASURED)	38.40	24.96	88°08'52"	S83°22'44"W	34.72
C2 (RECORDED)	38.37	25.00	87°56'37"	S83°25'01"W	34.72
C3 (MEASURED)	96.22	332.14	16°35'52"	N60°59'56"W	95.88
C3 (RECORDED)	95.84	330.00	16°41'58"	N60°57'39"W	95.84

BASIS OF BEARING

BEARINGS SHOWN HEREON ARE FROM GPS/GNSS OBSERVATIONS AND CONFORM TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM "NEW MEXICO CENTRAL ZONE" NORTH AMERICAN DATUM OF 1983. TRUE NORTH CAN BE OBTAINED BY APPLYING A CONVERGENCE ANGLE OF 00°16'24.72" AT POINT NUMBER 1001. A FOUND 5/8 INCH REBAR WITH YELLOW PLASTIC CAP MARKED "NMP5 10464" LOCATED AT N 1495990.02, E 1498188.55. DISTANCES SHOWN HEREON ARE IN GROUND AND WERE OBTAINED BY APPLYING A COMBINED GRID TO GROUND SCALE FACTOR OF 1.0003208444 AT THE PREVIOUSLY NOTED POINT.

UTILITY NOTE

UTILITIES DEPICTED WERE OBTAINED THROUGH EVIDENCE: FROM FIELD OBSERVATIONS, PLANS AND/OR REPORTS PROVIDED BY THE CLIENT, AND MARKINGS COORDINATED BY THE NEW MEXICO 811. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURE CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.

I, JEREMY BAKER, NEW MEXICO PROFESSIONAL SURVEYOR NO. 25773, DO HEREBY CERTIFY THAT THIS TOPOGRAPHIC SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS A TOPOGRAPHIC SURVEY PLAT OF AN EXISTING TRACT OR TRACTS.

Jeremy Baker
Jeremy Baker, N.M. P.S. 25773

05/03/2024
Date

SURVEYOR NOTE

THIS IS NOT A BOUNDARY SURVEY OR A RIGHT-OF-WAY SURVEY. APPARENT PROPERTY CORNERS, RIGHT-OF-WAY LINES, OR PROPERTY LINES AS SHOWN ARE DERIVED FROM RECORD SURVEY PLATS, RIGHT-OF-WAY MAPS, OR DEEDS REFERENCED HEREON AND ARE NOT GUARANTEED OR TO BE RELIED ON FOR THE ESTABLISHMENT OF PROPERTY LINES.



7921 N World Dr.
Hobbs, NM 88242-9032
Squarerootservices.net
575-231-7347

TYPE OF SURVEY:

TOPOGRAPHIC SURVEY

OF

PROJECT NAME:

LA MORADA

CLIENT:

THEODORE JARAMILLO

PROJECT NUMBER:

23192

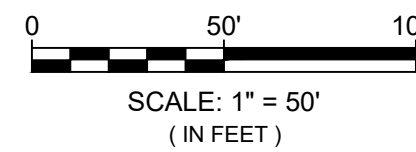
PROJECT SURVEYOR:

Jeremy Baker, PS

DRAWN BY:

Vanessa Munoz

GRAPHIC SCALE



LEGEND

- Set 5/8 inch rebar w/blue plastic cap marked "Baker NM P.S.25773" unless otherwise noted
- Found Monument as noted
- Utility Pole
- ⊗ Water Meter
- ⊗ Storm Drain
- ⊗ SSMH
- ⊗ Fire Hydrant
- ⊗ Sanitary Manhole
- GAS- GAS Gas Line
- W- W Water Line
- UGE- UGE Underground Electric Line
- OHE- OHE Overhead Electric Line
- SS Sanitary Sewer Line
- UGT- UGT Underground Telecommunications Line
- - - Easement

REVISIONS

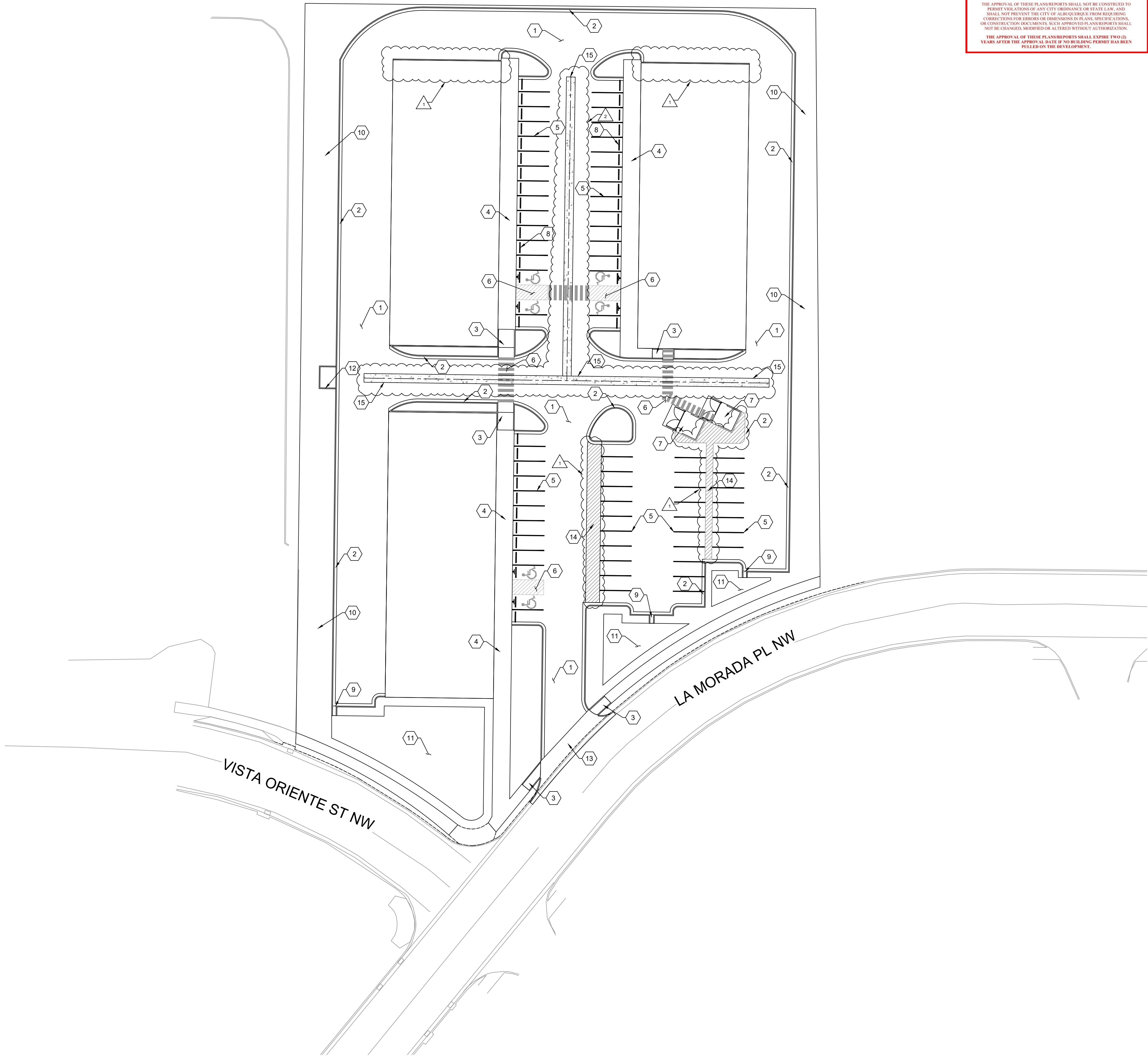
No.	DATE	DESCRIPTION



SHEET:
1 of 1

SU - 100

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 4/29/2025
BY: [Signature]
HydroTrans # H10D039
THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTIONS FOR ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTION DOCUMENTS. SUCH APPROVED PLANS/REPORTS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.
THE APPROVAL OF THESE PLANS/REPORTS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE IF NO BUILDING PERMIT HAS BEEN FILED ON THE DEVELOPMENT.



GENERAL NOTES:

- 1) ALL ROADWORK SHALL MEET OR EXCEED THE APPLICABLE REQUIREMENTS OF THE CITY OF ALBUQUERQUE STANDARDS (SECTION 2400) FOR ROAD CONSTRUCTION EXCEPT AS OTHERWISE SPECIFIED HEREIN.
- 2) ENTIRE SITE SHALL BE CLEARED AND GRUBBED PRIOR TO FILL BEING PLACED. THE SUBGRADE SHALL BE ACCURATELY SHAPED TO LINES AND GRADES AS INDICATED ON THE DRAWINGS AND COMPACTED AS INDICATED ON THE DETAILS. ALL SUBGRADE IN ROADWAY SECTION SHALL BE COMPACTED TO CITY OF ALBUQUERQUE STANDARD DETAILS FOR PAVING - SECTION 2400
- 3) ALL PORTLAND CEMENT CONCRETE SHALL CONFORM TO ASTM SPECIFICATION SECTION 500, CITY OF ALBUQUERQUE STANDARDS FOR ROAD CONSTRUCTION.
- 4) BASE COURSE MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE STANDARDS FOR ROAD CONSTRUCTION, SECTION 2400.
- 5) ASPHALTIC CONCRETE SURFACE COURSE MATERIAL AND PLACEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE STANDARDS FOR ROAD CONSTRUCTION SPECIFICATION, SECTION 2400.
- 6) TESTING OF CONSTRUCTION MATERIALS, INCLUDING SUBGRADE COMPACTION, SHALL BE PERFORMED AS REQUIRED BY THE ENGINEER AND AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE TESTING AND FURNISHING SAMPLES AND JOB SITE ASSISTANCE AS REQUIRED. THE CONTRACTOR SHALL FURNISH MANUFACTURER'S CERTIFICATES OF QUALITY AS REQUIRED.
- 7) ALL CONSTRUCTION STAKING SHALL BE PERFORMED BY A SURVEYOR LICENSED IN NM.
- 8) LOCATIONS OF ALL EXISTING UTILITIES SHOWN ARE FROM RECORD DRAWINGS OR FIELD SURVEYS AND ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT, MAINTAIN IN SERVICE, AND AT POINTS REQUIRED, VERIFY EXACT LOCATIONS OF THESE UTILITIES DURING CONSTRUCTION OPERATIONS OF THIS PROJECT.
- 9) WHEN ABUTTING NEW PAVEMENT TO EDGES OF EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE CUT IN A STRAIGHT NEAT EDGE AND TACK COAT SHALL BE APPLIED TO EDGES OF EXISTING PAVEMENT PRIOR TO BEGINNING OF NEW PAVEMENT OPERATIONS.

KEYED NOTES:

- 1) INSTALL 2.5" TYPE C SP IV ASPHALT PAVEMENT W/6" BASE COURSE "LIGHT DUTY" PER DETAIL, SHEET C-107
- 2) INSTALL 6" X 24" CURB AND GUTTER PER DETAIL, SHEET C-107
- 3) INSTALL ADA RAMP PER ARCHITECTURAL PLANS
- 4) INSTALL CONCRETE SIDEWALK PER DETAIL, SHEET C-107
- 5) PAINT 4" WHITE STRIPE FOR PARKING SPACES
- 6) ADA ACCESS PARKING PER DETAIL, SHEET C-107
- 7) INSTALL DUMPSTER ENCLOSURE PER DETAIL, SHEET C-107
- 8) INSTALL CURB STOP PER DETAIL, SHEET C-107
- 9) INSTALL CURB CUT/DRAIN CHANNEL PER DETAILS, SHEET C-107
- 10) INSTALL RIP-RAP PER DETAIL, SHEET C-109
- 11) INSTALL DEPRESSED PARKING ISLAND PER , SEC.6-12(B)(1) C.O.A. DEVELOPMENT PROCESS MANUAL
- 12) INSTALL HEAD WALL FIRE HYDRANT PAD, PER DETAIL, SHEET C-108
- 13) INSTALL DRIVEWAY PER DETAIL, SHEET C-107
- 14) PAINT NO PARKING ZONE AREA
- 15) INSTALL 5' WIDE VALLEY GUTTER PER DETAIL, SHEET C-109



Engineering | Surveying
Materials Testing

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ENGINEERING SHEET:

KEYED NOTES

OF

PROJECT NAME:

**LA MORADA
COMMERCIAL
DEVELOPMENT**

FOR

CLIENT:

TED JARAMILLO

PROJECT NUMBER:

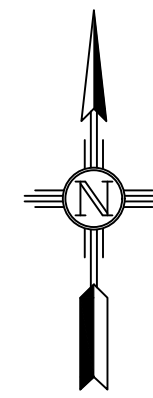
23192

PROJECT ENGINEER:

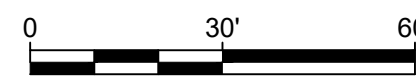
Jeremy Baker, PE

DRAWN BY:

Carlos Jimenez



GRAPHIC SCALE



SCALE: 1" = 30'
(IN FEET)

REVISIONS

No.	DATE	DESCRIPTION
1	6-24-24	REMOVED CURB AND GUTTER
2	6-24-24	ADDED 5' WIDE VALLEY GUTTER CENTER DRIVING ISLE



City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

DATE: 4/29/2025
BY: *Justin M. [Signature]*
HydroTeam #: H10D039

THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM RESCUING, CHANGING, TYPING FOR EMBROIDER OR DISSEMINATING IN PLANS, SPECIFICATIONS, OR CONSTRUCTION DOCUMENTS, SUCH APPROVED PLANS/REPORTS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.
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Materials Testing

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ENGINEERING SHEET:

SITE PLAN

OF

PROJECT NAME:

LA MORADA
COMMERCIAL
DEVELOPMENT

FOR

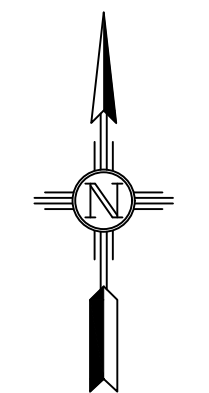
CLIENT:

TED JARAMILLO

PROJECT NUMBER:

23192

PROJECT ENGINEER:
Jeremy Baker, PE
DRAWN BY:
LPS

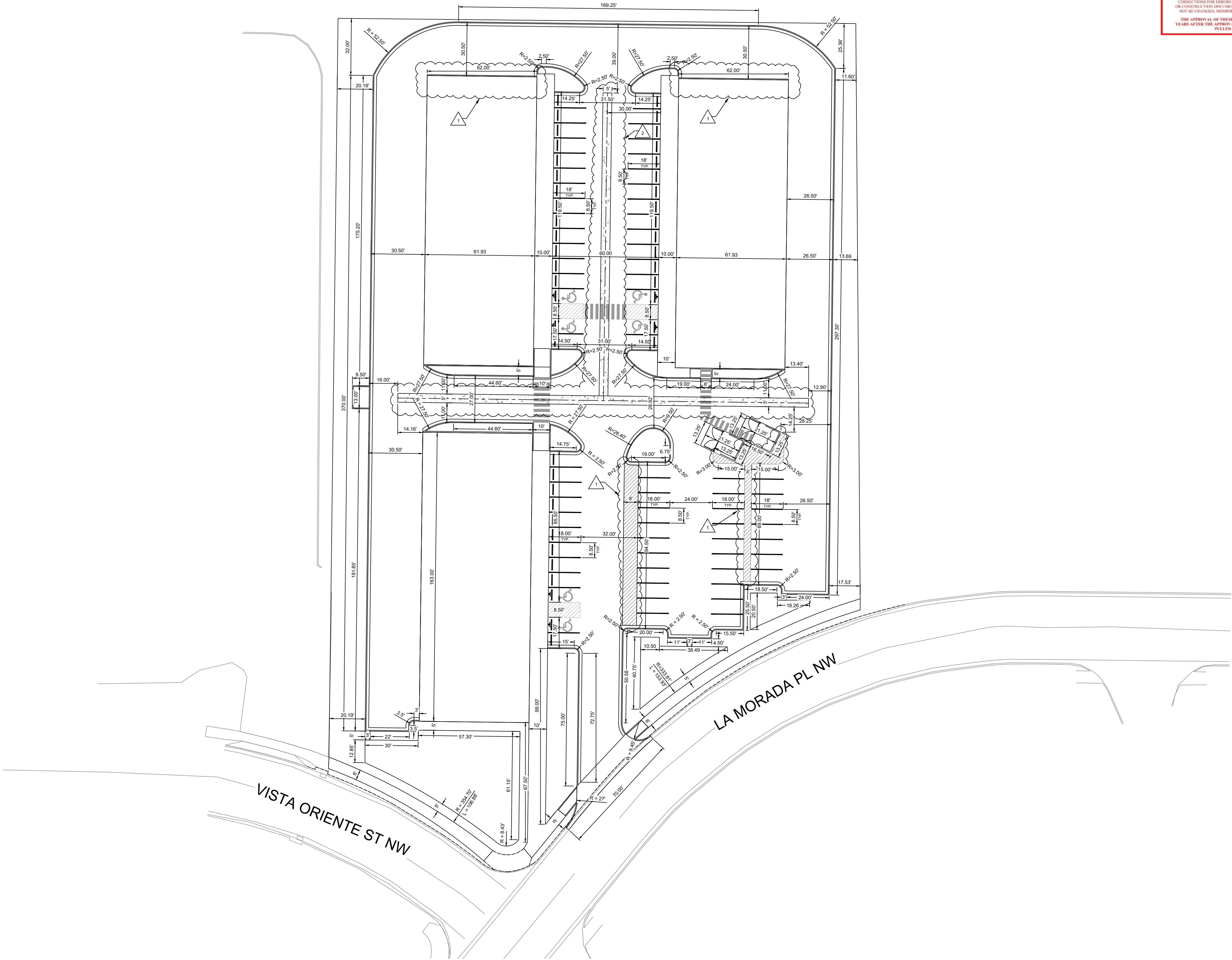


GRAPHIC SCALE
0 30' 60'
SCALE: 1" = 30'
(IN FEET)

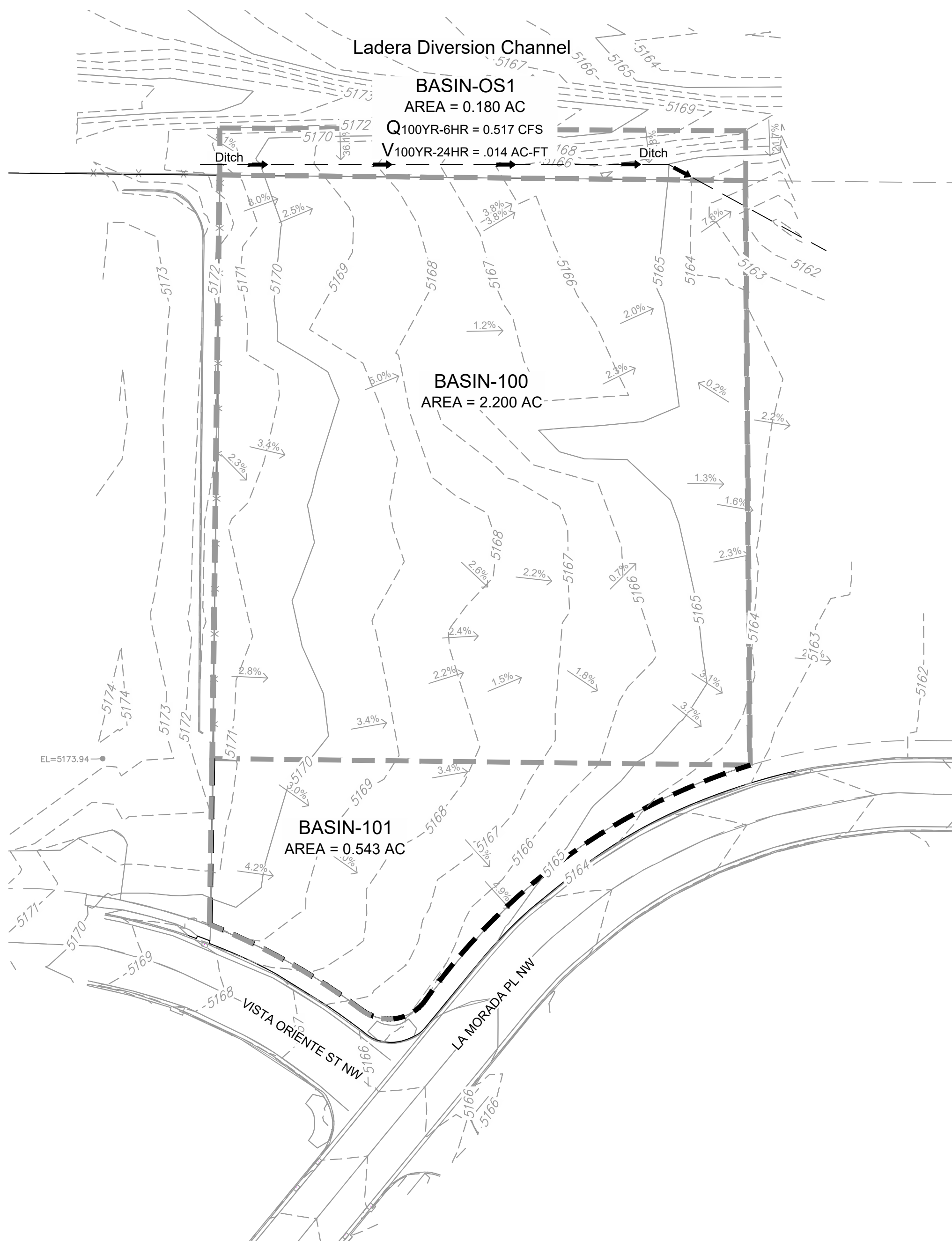
REVISIONS		
No.	DATE	DESCRIPTION
1	6-24-24	REMOVED CURB AND GUTTER
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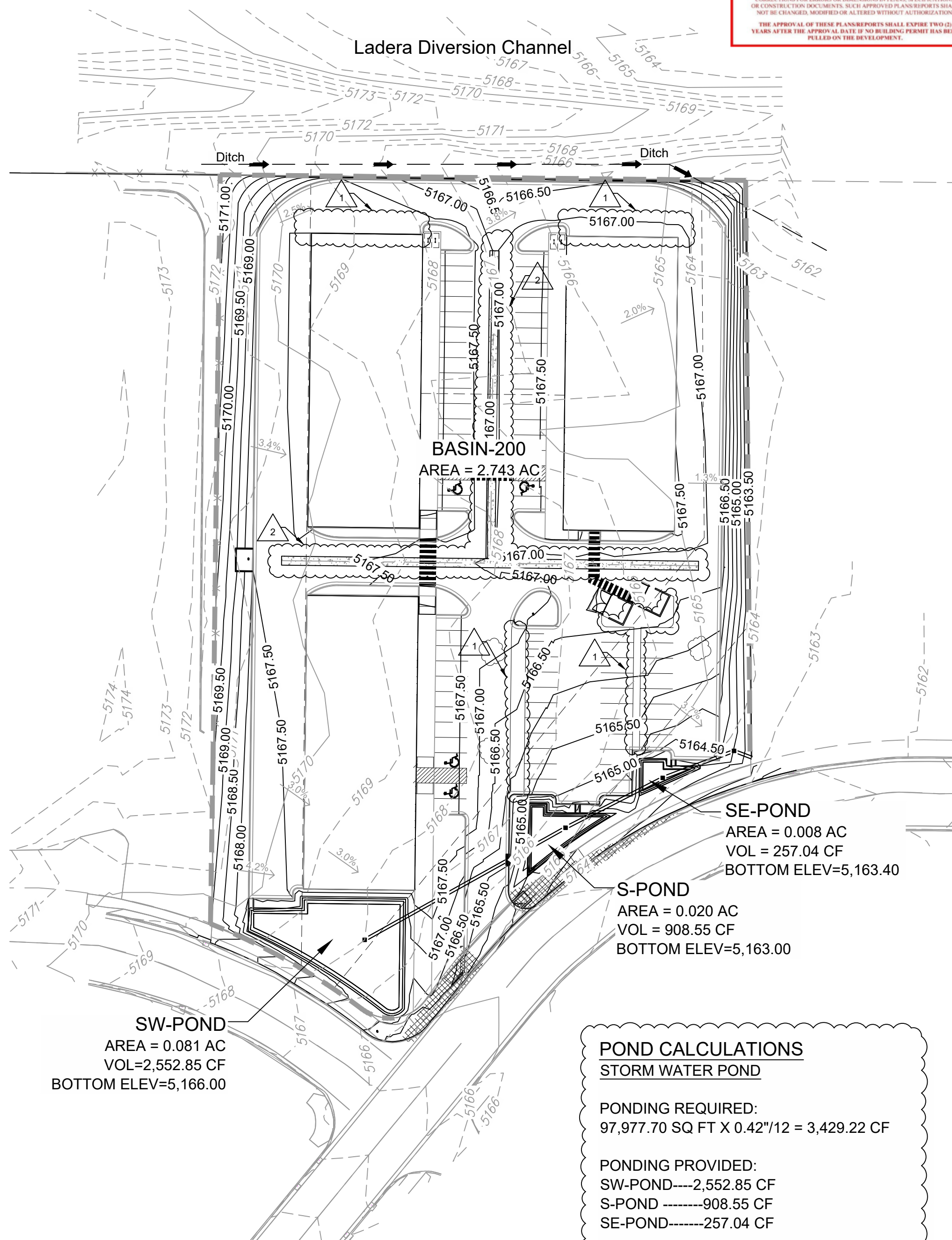
07/02/2024



EXISTING BASIN MAP



PROPOSED SITE MAP



POND CALCULATIONS STORM WATER POND

PONDING REQUIRED:
97,977.70 SQ FT X 0.42"/12 = 3,429.22 CF

PONDING PROVIDED:
SW-POND-----2,552.85 CF
S-POND -----908.55 CF
SE-POND-----257.04 CF

TOTAL-----3,718.44 CF

REFERENCE MANUAL USED:
CITY OF ALBUQUERQUE
DEVELOPMENT PROCESS MANUAL 2020-06-02 signed

SECTION 6-2(A)(5)
PRECIPITATION ZONE 1
100 YEAR STORM DEPTH

PRE-CONSTRUCTION HYDROLOGY SUMMARY

BASIN	Total Area (sq. ft.)	Total Area (acres)	Land Treatment (%)				Q ₁₀₀ (cfs)	V _{100yr-6hr} (ac-ft)	V _{100yr-24hr} (ac-ft)
			A	B	C	D			
OS1	7,849	0.180				100	0.517	0.014	0.014
100	95,812	2.200	100				3.387	1.231	1.231
101	23,673	0.543	100				0.837	0.075	0.075

POST-CONSTRUCTION HYDROLOGY SUMMARY

BASIN	Total Area (sq. ft.)	Total Area (acres)	Land Treatment (%)				Q ₁₀₀ (cfs)	V _{100yr-6hr} (ac-ft)	V _{100yr-24hr} (ac-ft)
			A	B	C	D			
200	119,485.00	2.743			18	82	10.684	0.459	0.519

Site Description

The site is 2.743 acres and is Tract 3 of the Ladera Business Park Unit I. The address to the site is 7501 La Morada Place NW. A commercial development is proposed for this site. Improvements include three buildings with a total of 30,320 sq. ft., three storm water quality ponds. The site is within the Master Plan for the Ladera Business Park, Unit I, which allows discharge into subsurface storm drain sub out designed specifically for this lot. The site is outside of the Flood Plain as designated as Zone "X" per FEMA Flood Plain Panel 35001C0326J, Dated November 4, 2016.

Methodology

Hydrologic procedures presented in the Hydrology Section of the DMP, Article 6-2(a), approved June 26, 2020 were followed. Computations included input data for Precipitation Zone 1.

Existing Condition

Site is vacant and generally slopes west to east with an average slope of 3.3%. Offsite runoff from Basin OS1, drain through this site and to Tract 4 as shown in the Existing Basin Map.

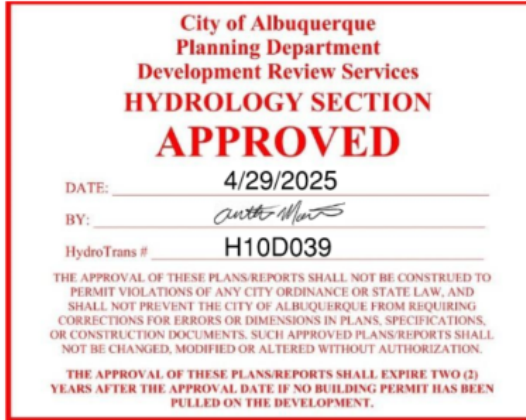
Proposed Condition

This site will be used as commercial development. Three buildings are proposed with a combined footprint of 30,300 sq. ft. The site will be constructed with an impervious surface. The proposed grade has an average slope of 2.2% dropping in elevation from north to south.

Runoff from Basin OS1 will continue draining through the site at the Northeast boundary line as shown in the proposed basin map.

Three storm water quality ponds will store the first flush volume. The storm water quality ponds are along La Morada Place NW and will store the runoff from the impervious area as well as the roof of the buildings.

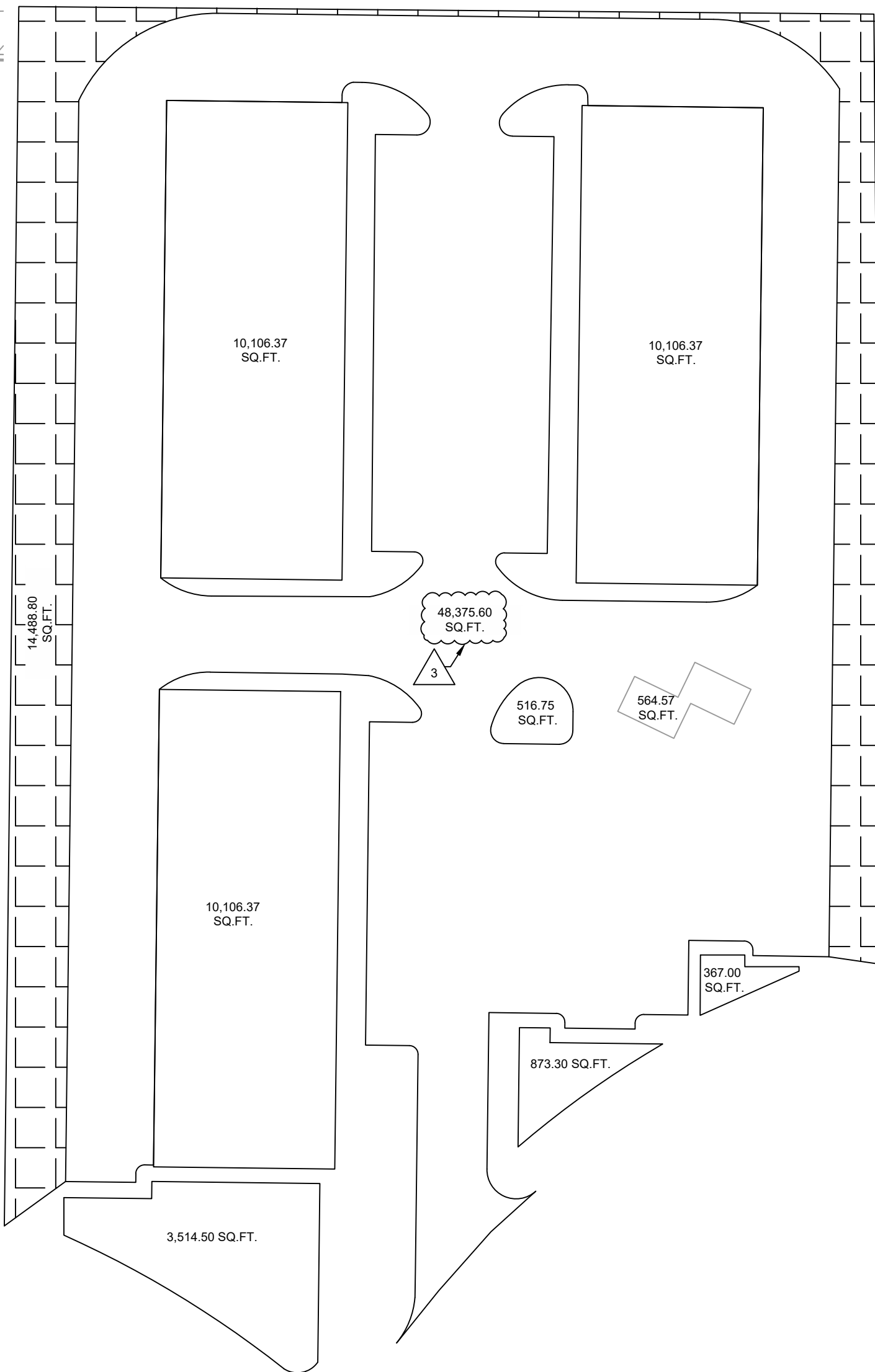
The proposed grading and drainage plan would accommodate all of the run-off from the proposed construction to drain to the south to a storm water quality pond with a storm drain inlet that will connect to the existing 18" CMP stub as shown. The site has free discharge into the storm drain.



FLOOD INSURANCE RATE MAP

BERNALILLO COUNTY, NEW MEXICO
PANEL: 326 OF 825
VERSION NUMBER: 2.3.3.2
MAP NUMBER: 35001C0326J
MAP REVISED: NOVEMBER 4, 2016

NOTE: THE SITE IS OUTSIDE OF THE FLOOD PLAIN
AS DESIGNATED AS ZONE "X" PER ABOVE FEMA FLOOD PLAIN PANEL



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ENGINEERING SHEET:

**DRAINAGE
PLAN**

FOR

PROJECT NAME:

**LA MORADA
COMMERCIAL
DEVELOPMENT**

FOR

CLIENT:

TED JARAMILLO

PROJECT NUMBER:

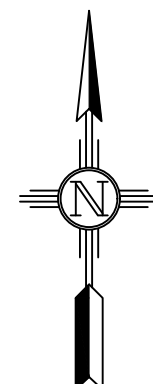
23192

PROJECT ENGINEER:

Jeremy Baker, PE

DRAWN BY:

LPS



GRAPHIC SCALE

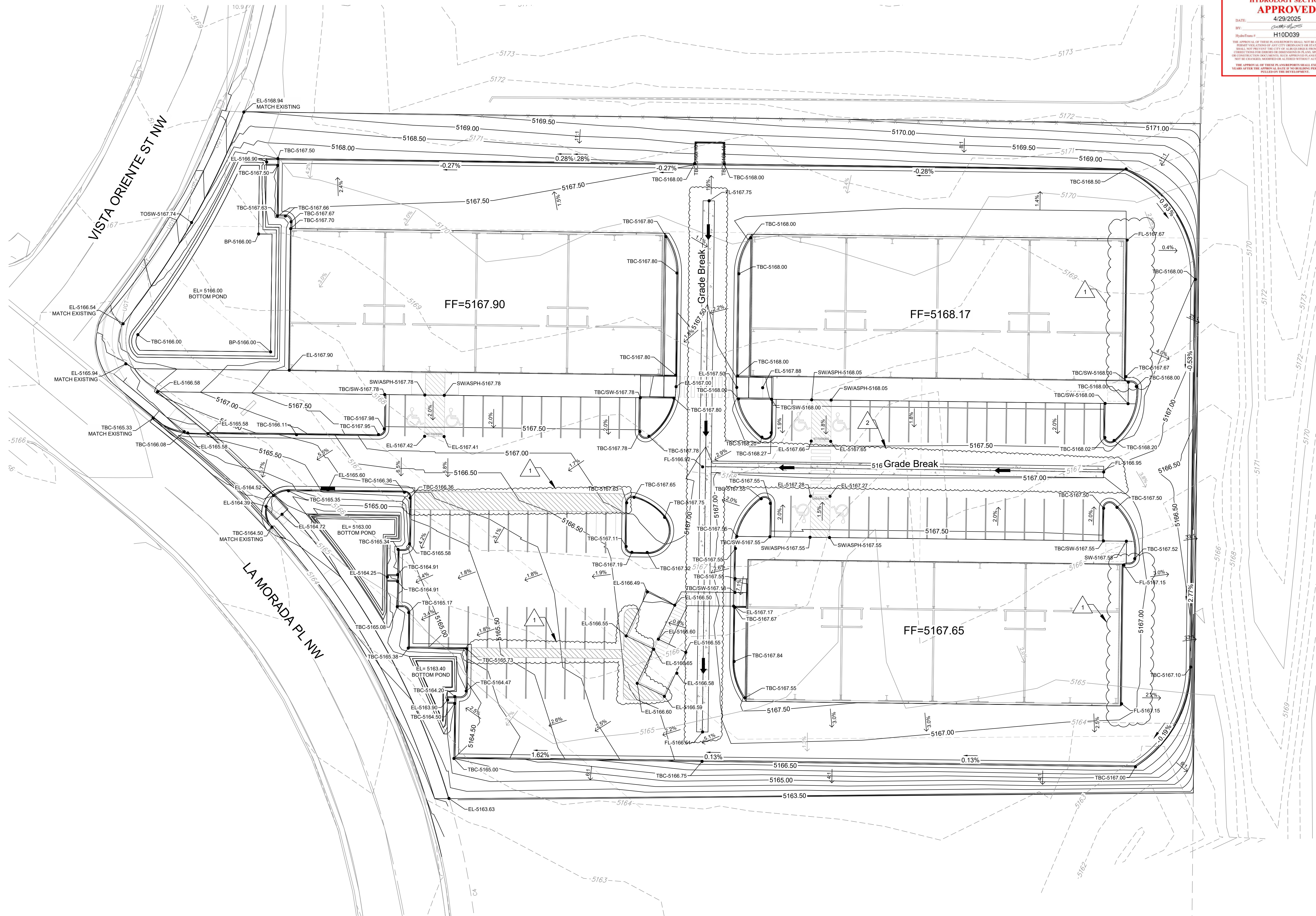
0 50' 100'
SCALE: 1" = 50'
(IN FEET)

REVISIONS

No.	DATE	DESCRIPTION
1	6-24-24	REMOVED CURB AND GUTTER
2	6-24-24	ADDED 5' WIDE VALLEY GUTTER CENTER DRIVING ISLE
3	6-24-24	UPDATED PAVED AREA SQUARE FOOTAGE



07/02/2024



City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 4/29/2025
BY: [Signature]
Hydrology # H10D039
THE APPROVAL OF THESE PLANS DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE CITY OF ALBUQUERQUE IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THE PLANS OR FOR ANY CONSEQUENCES ARISING FROM THE USE OF THESE PLANS. THE CITY OF ALBUQUERQUE IS NOT RESPONSIBLE FOR ANY CONSEQUENCES ARISING FROM THE USE OF THESE PLANS. THE CITY OF ALBUQUERQUE IS NOT RESPONSIBLE FOR ANY CONSEQUENCES ARISING FROM THE USE OF THESE PLANS.



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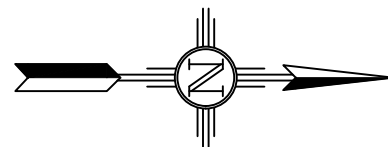
ENGINEERING SHEET:
**GRADING
PLAN**

FOR
**LA MORADA
COMMERCIAL
DEVELOPMENT**

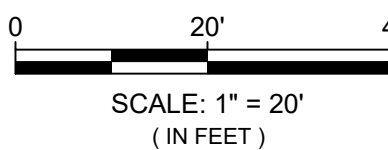
FOR
CLIENT:
TED JARAMILLO

PROJECT NUMBER:
23192

PROJECT ENGINEER:
Jeremy Baker, PE
DRAWN BY:
LPS



GRAPHIC SCALE

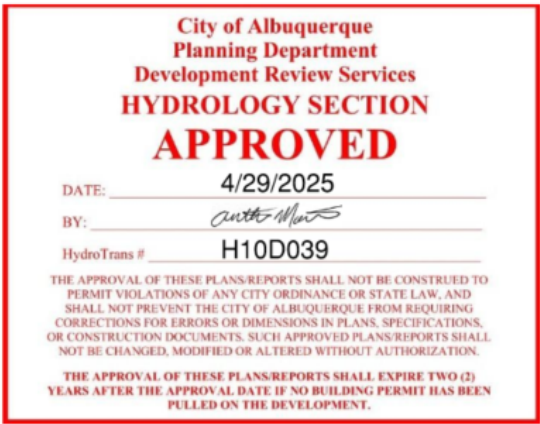
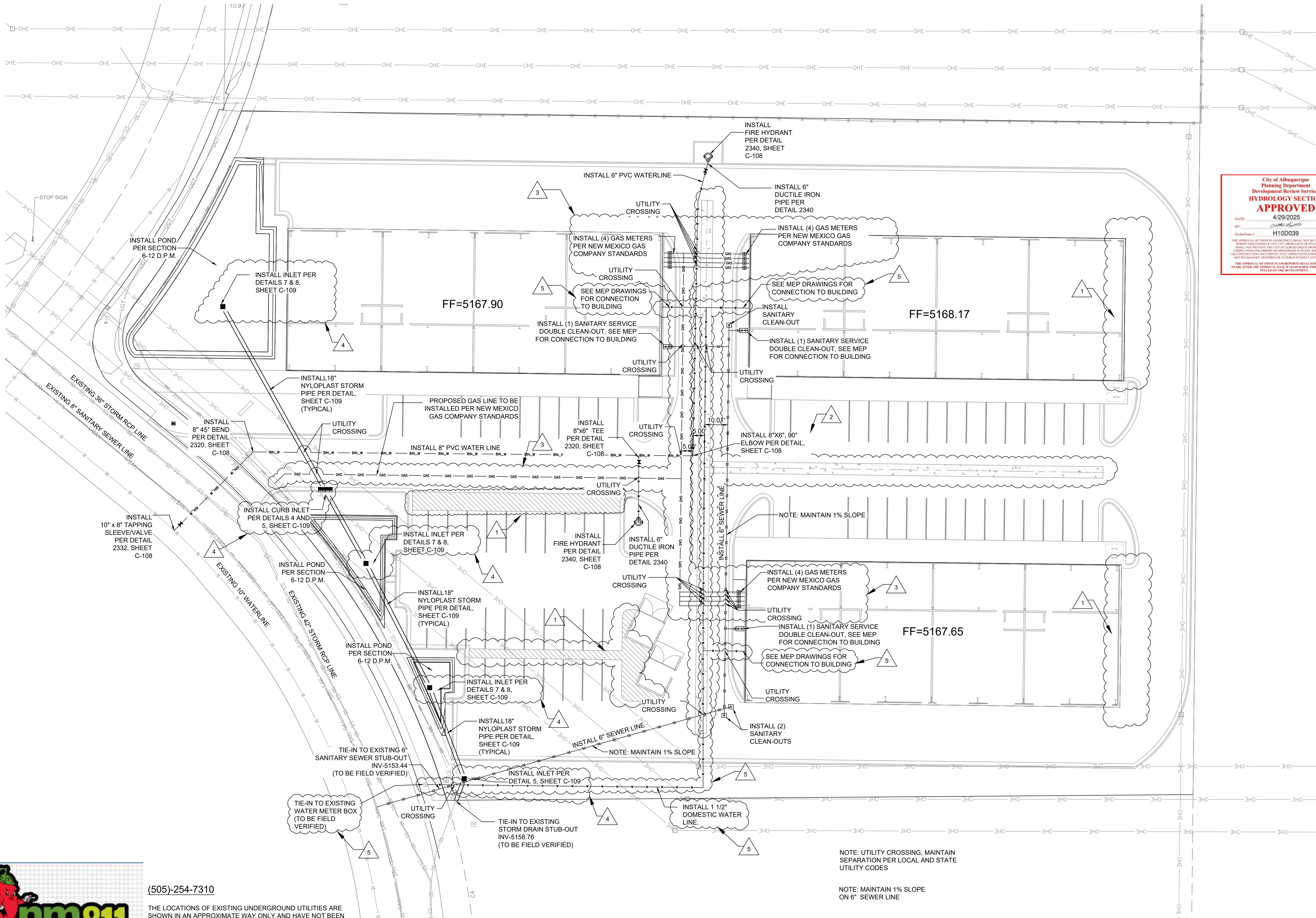


REVISIONS

No.	DATE	DESCRIPTION
1	6-24-24	REMOVED CURB AND GUTTER
2	6-24-24	ADDED 5' WIDE VALLEY GUTTER CENTER DRIVING ISLE



07/02/2024



Engineering | Surveying
Materials Testing

7921 N World Dr.
Hobbs, NM 88242-9032
Squarerootservices.net
575-231-7347

ENGINEERING SHEET:

CIVIL UTILITY PLAN

OF

PROJECT NAME:

LA MORADA COMMERCIAL
DEVELOPMENT

FOR

CLIENT:

TED JARAMILLO

PROJECT NUMBER:

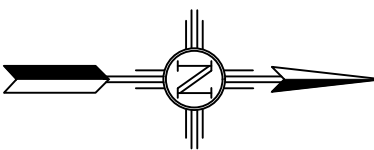
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PROJECT ENGINEER:

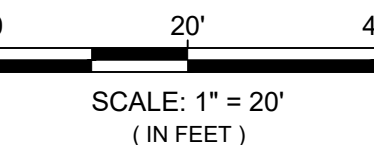
JEREMY BAKER, PE

DRAWN BY:

LPS



GRAPHIC SCALE



REVISIONS

No.	DATE	DESCRIPTION
1	6-24-24	REMOVED CURB AND GUTTER
2	6-24-24	ADDED 5' WIDE VALLEY GUTTER CENTER DRIVING ISLE
3	9-16-24	WATER LINE UPDATED
4	9-16-24	DETAIL CALLOUTS UPDATED
5	10-22-24	ADDED 1 1/2\"/>



C-105

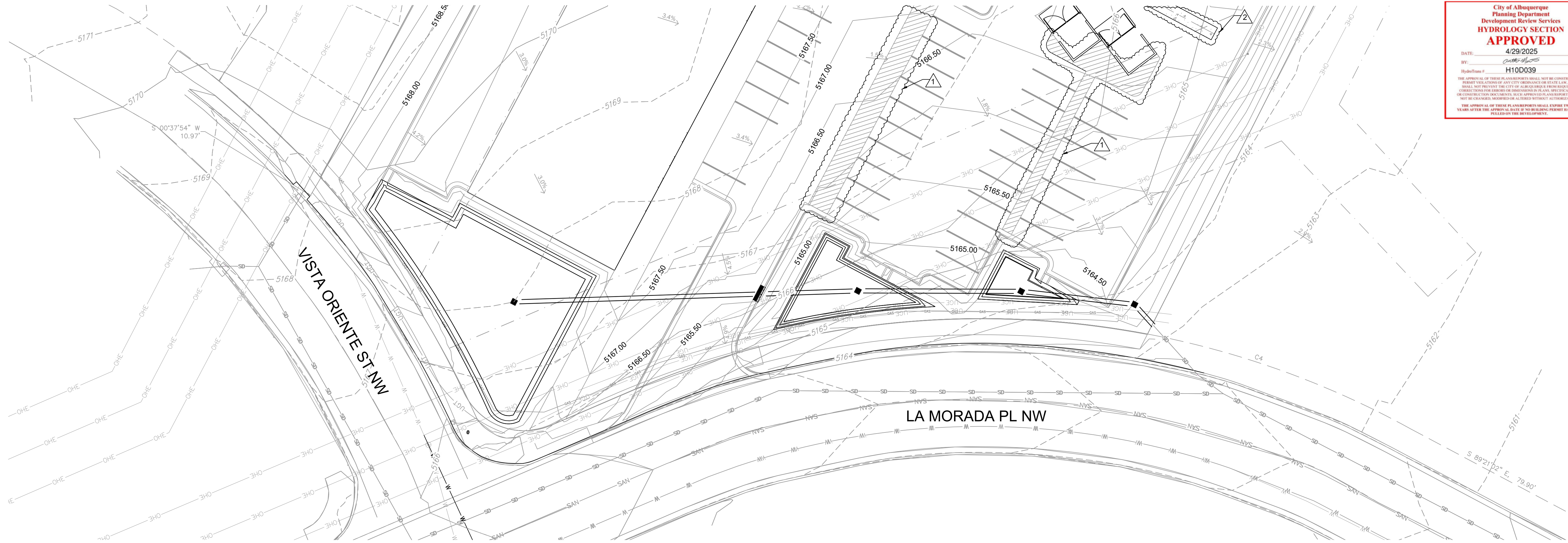


(505)-254-7310

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTE: UTILITY CROSSING. MAINTAIN SEPARATION PER LOCAL AND STATE UTILITY CODES

NOTE: MAINTAIN 1% SLOPE ON 6\"/>



City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

DATE: 4/29/2025
BY: *Carla Hays*
Hydrology #: H10D039

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Engineering | Surveying
Materials Testing

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Hobbs, NM 88242
Squarerootservices.net
575-231-7347

ENGINEERING SHEET:

**STORM DRAIN
PLAN AND PROFILE**
FOR

PROJECT NAME:

LA MORADA

CLIENT:

TED JARAMILLO

PROJECT NUMBER:

23192

PROJECT ENGINEER:

Jeremy Baker, PS

DRAWN BY:

LPS



GRAPHIC SCALE



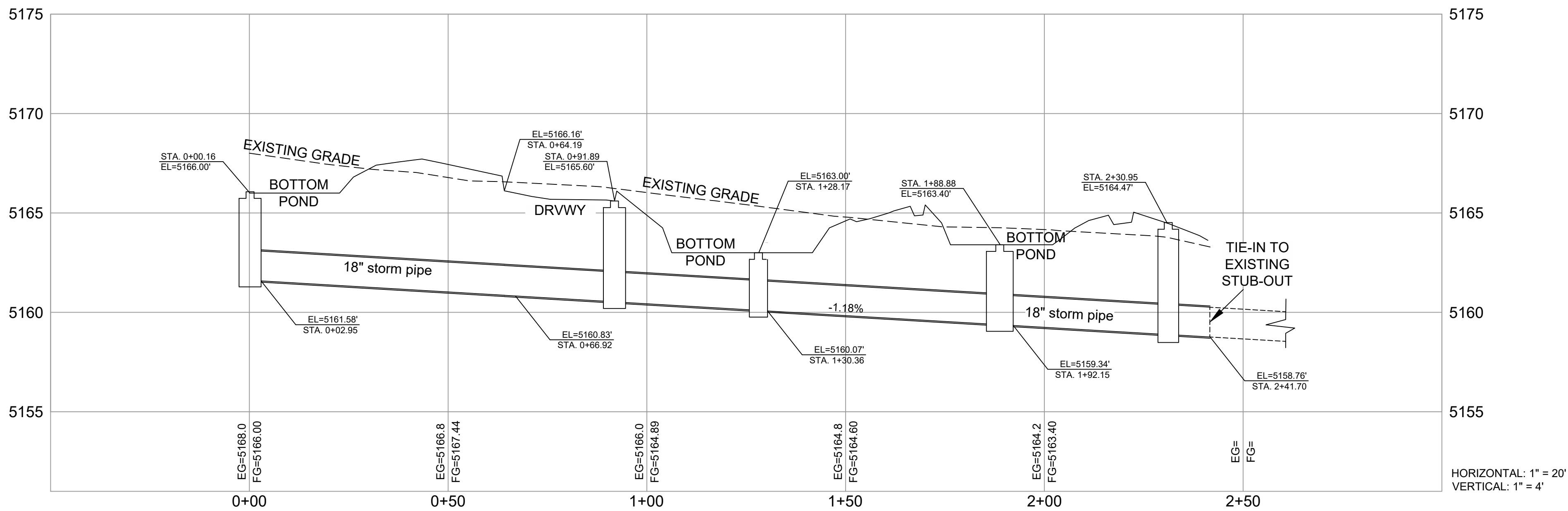
SCALE: 1" = 20'
(IN FEET)

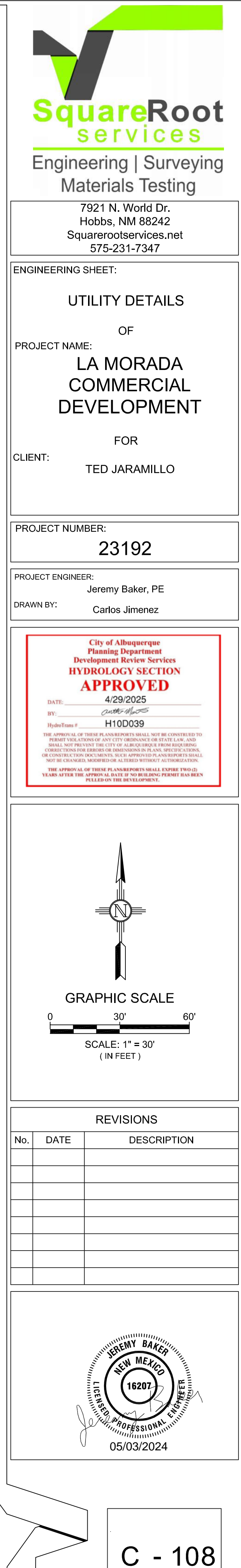
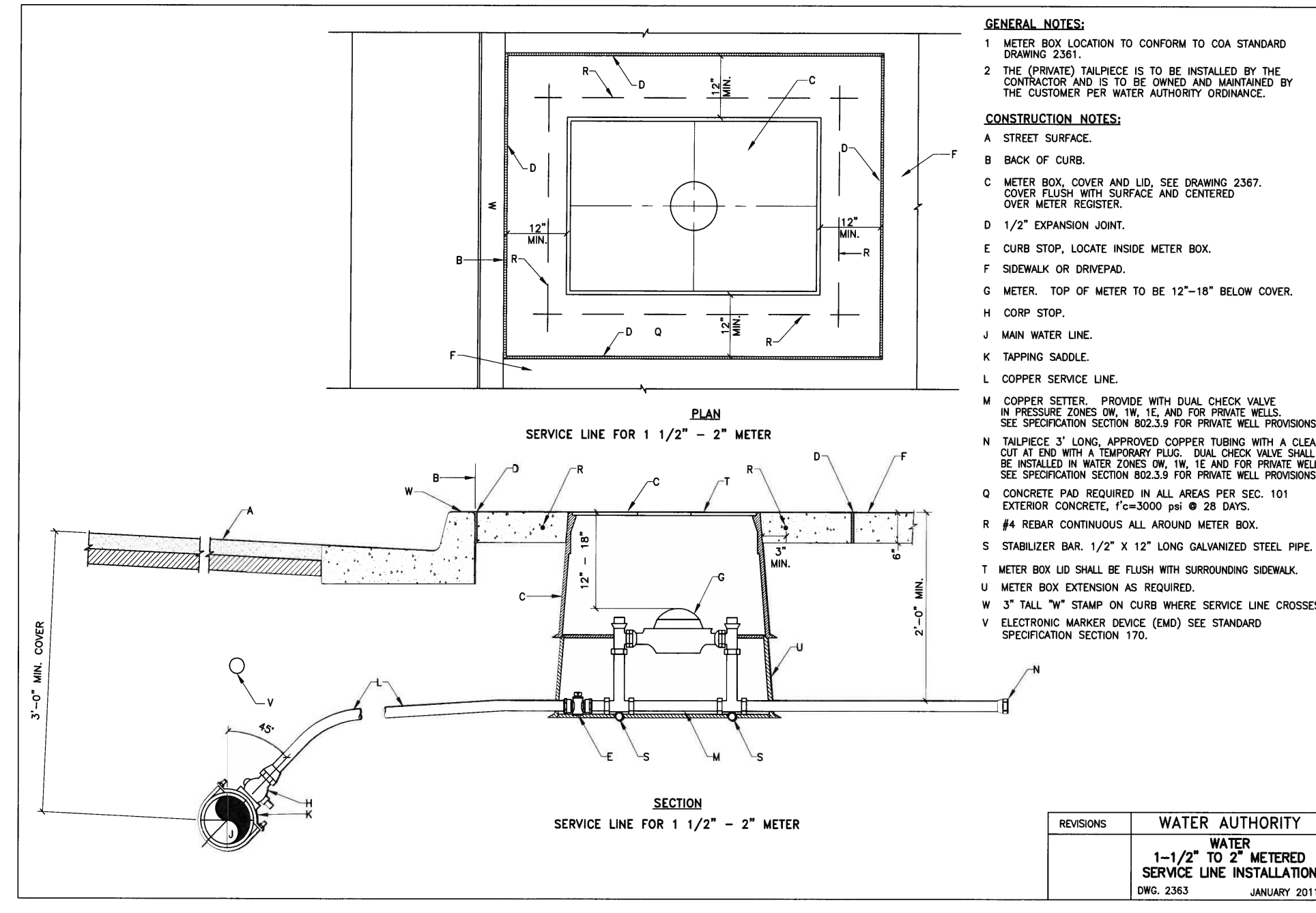
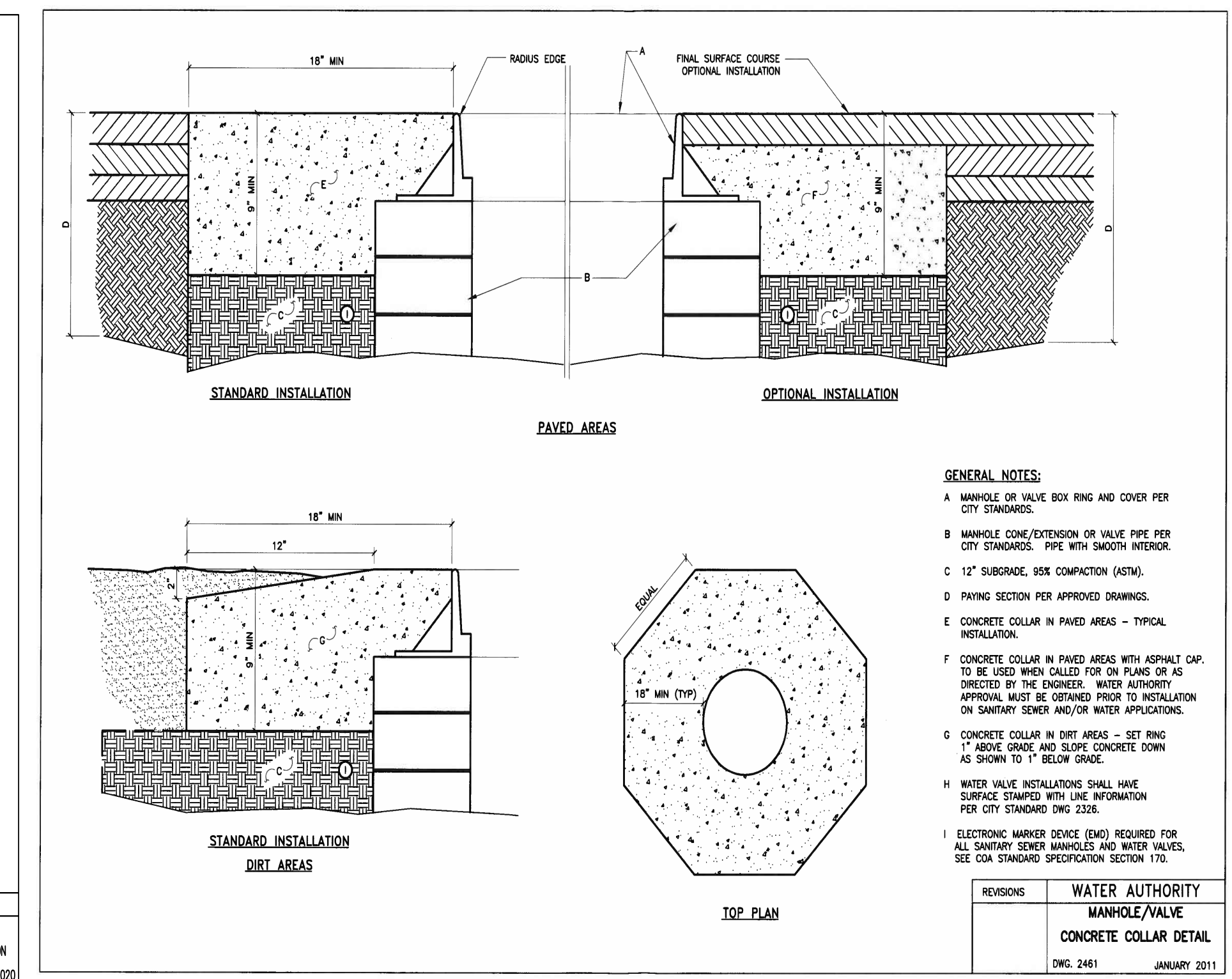
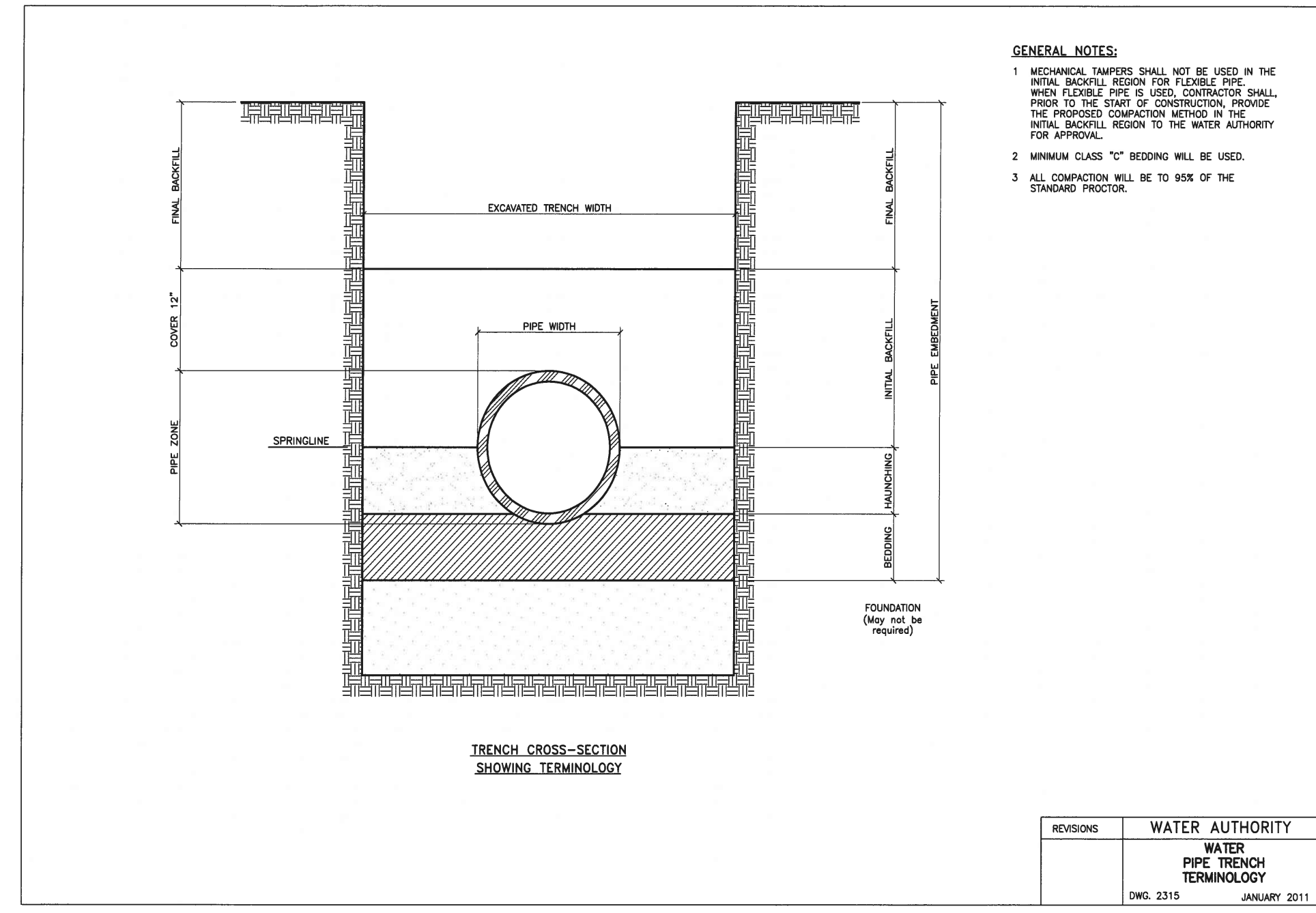
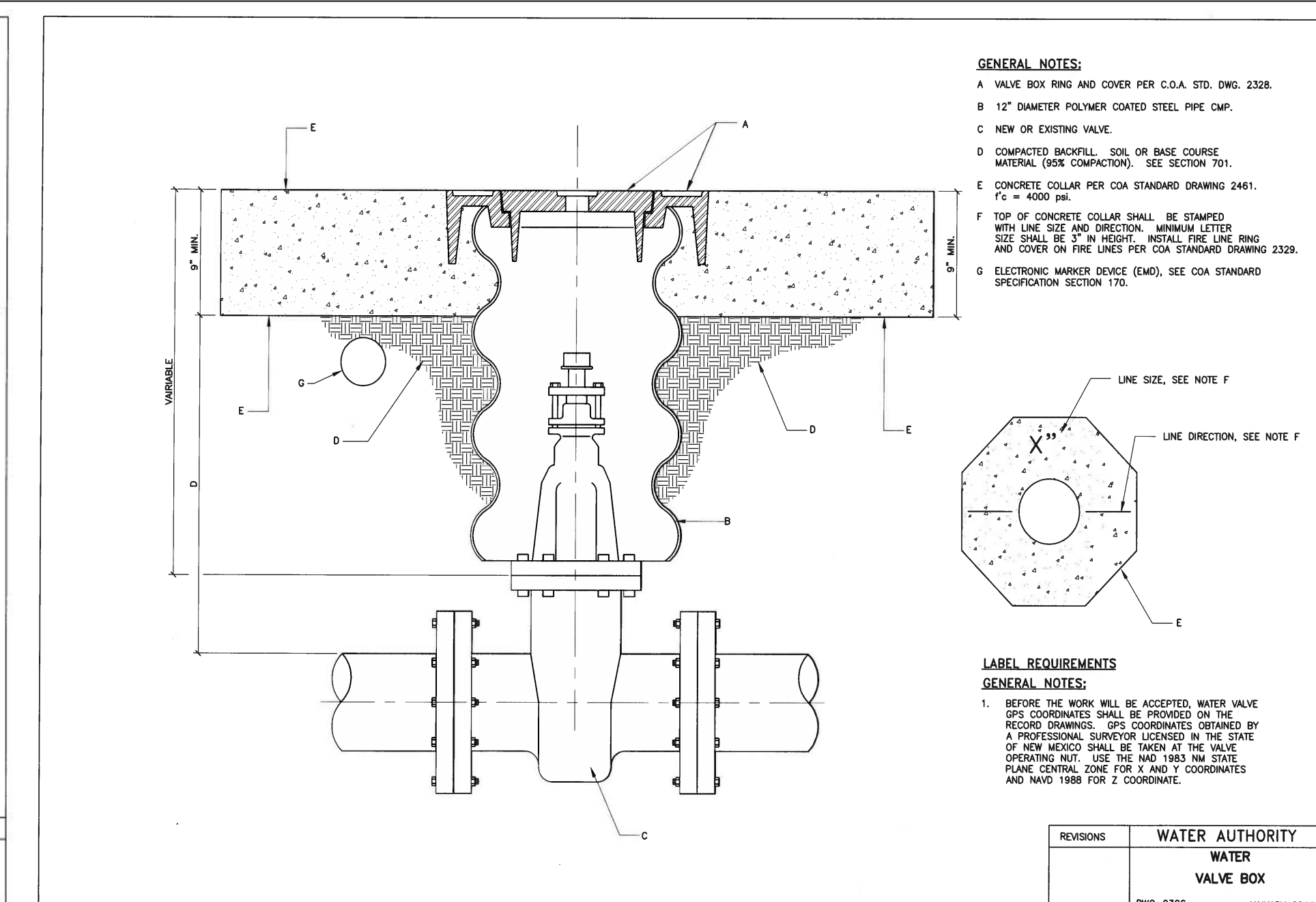
REVISIONS

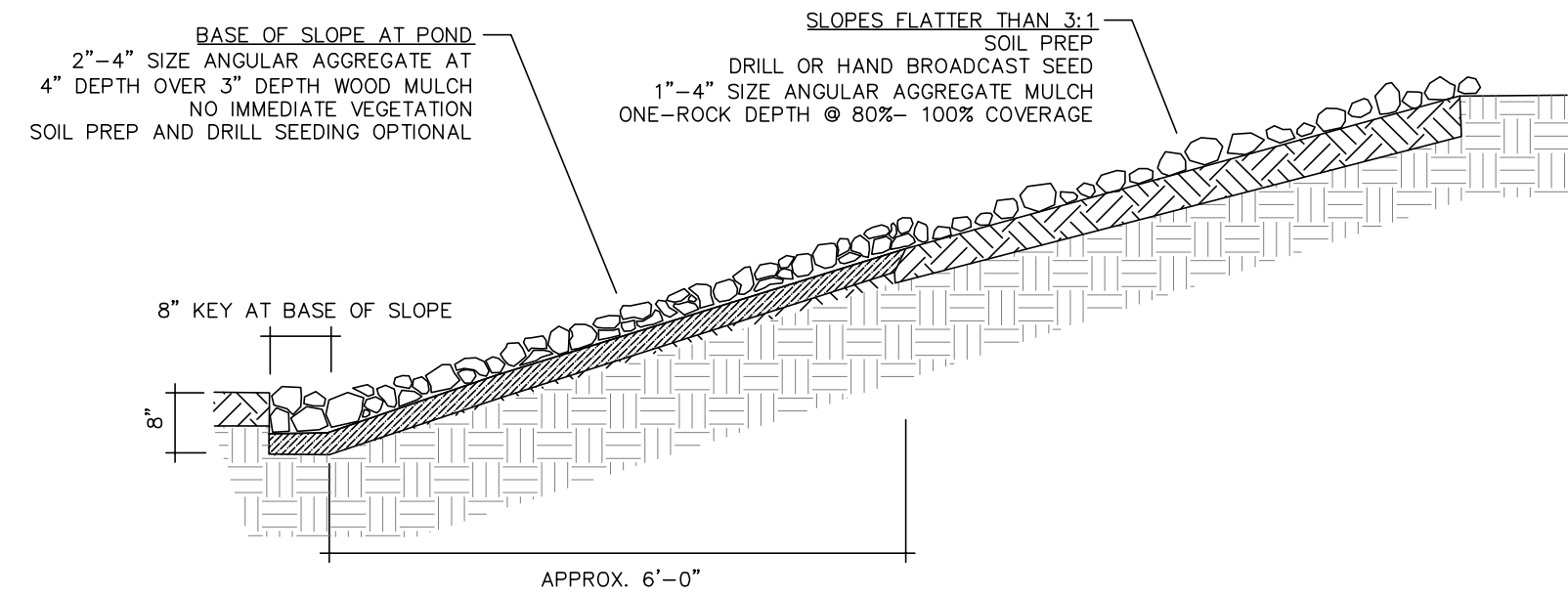
No.	DATE	DESCRIPTION
1	6-24-24	REMOVED CURB AND GUTTER
2	6-24-24	ADDED 5' WIDE VALLEY GUTTER CENTER DRIVING ISLE



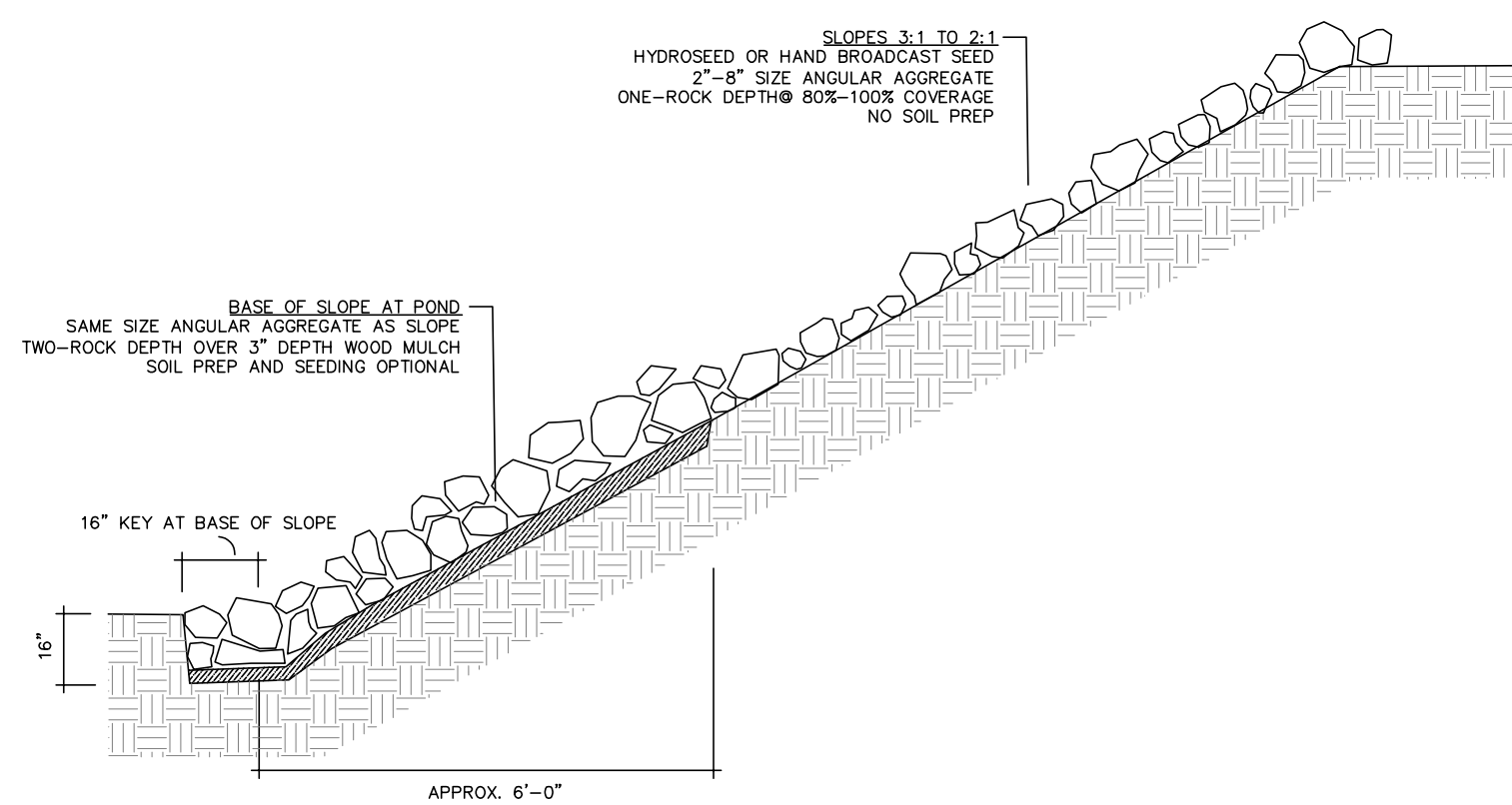
07/02/2024







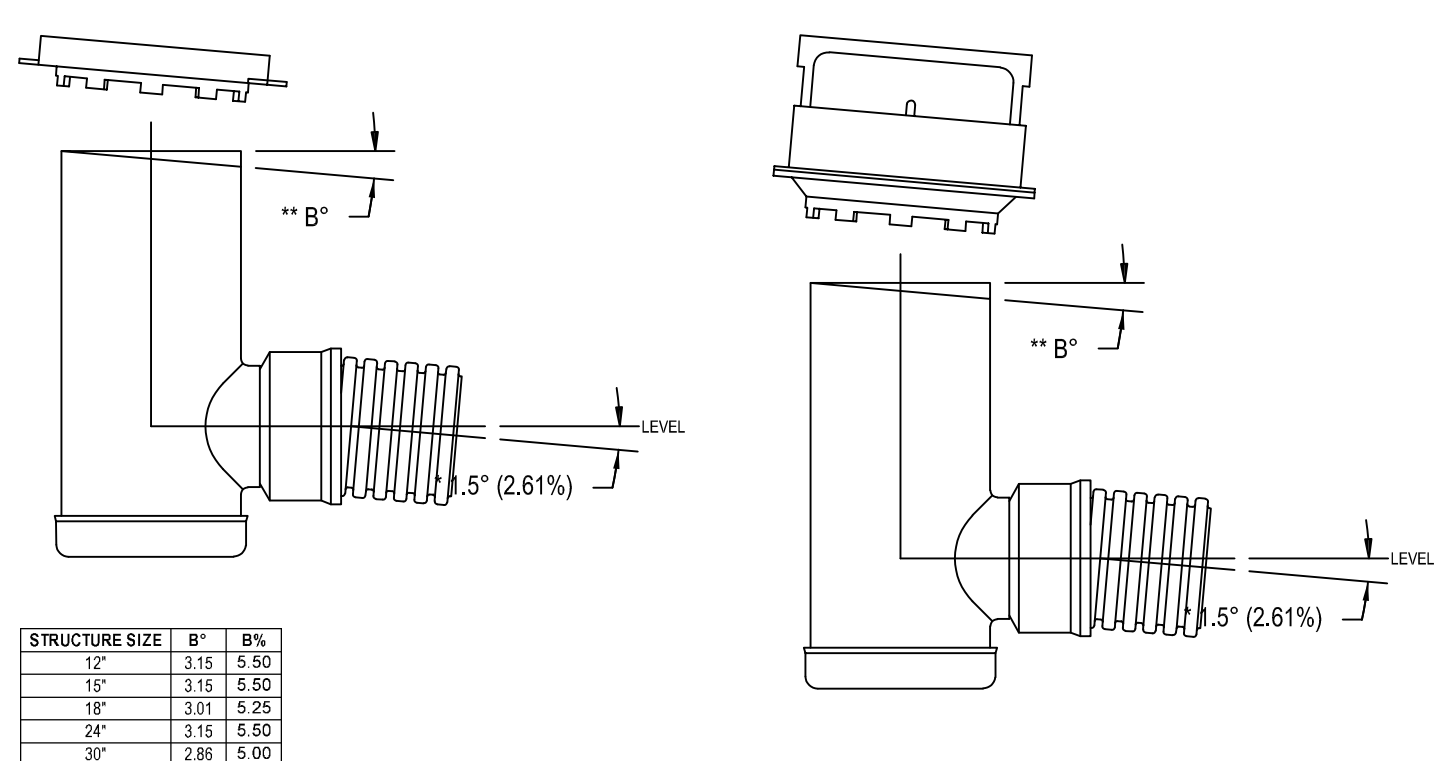
1013-SKL-1: SLOPES FLATTER THAN 3:1
SCALE: N.T.S.



1013-SKL-2: SLOPES 3:1 TO 2:1
NOT TO SCALE

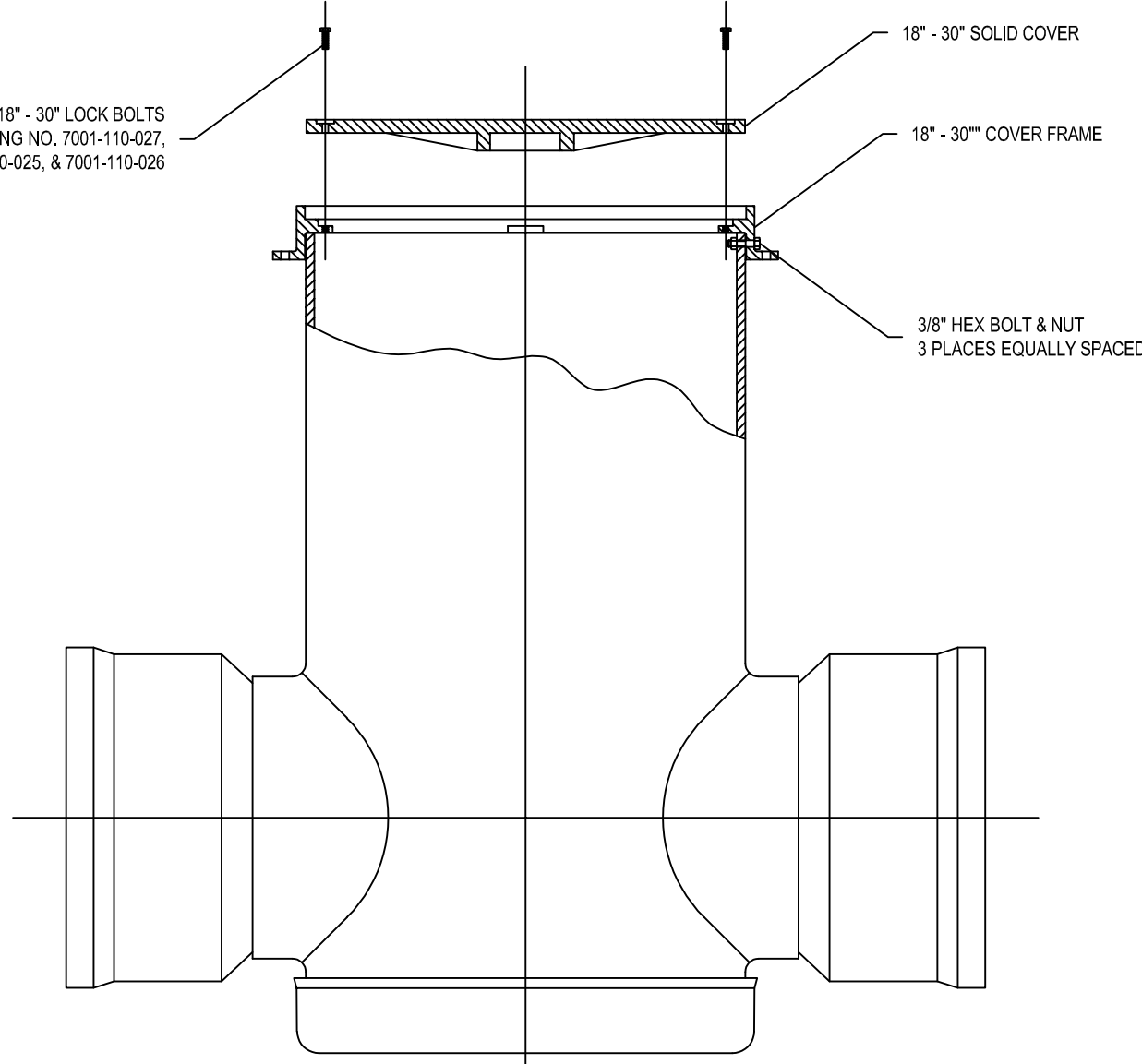
ROAD & HIGHWAY
32" AGS ... X
32" AGR ... X

CURB INLET
30" AGS ... X
30" AGR ... X



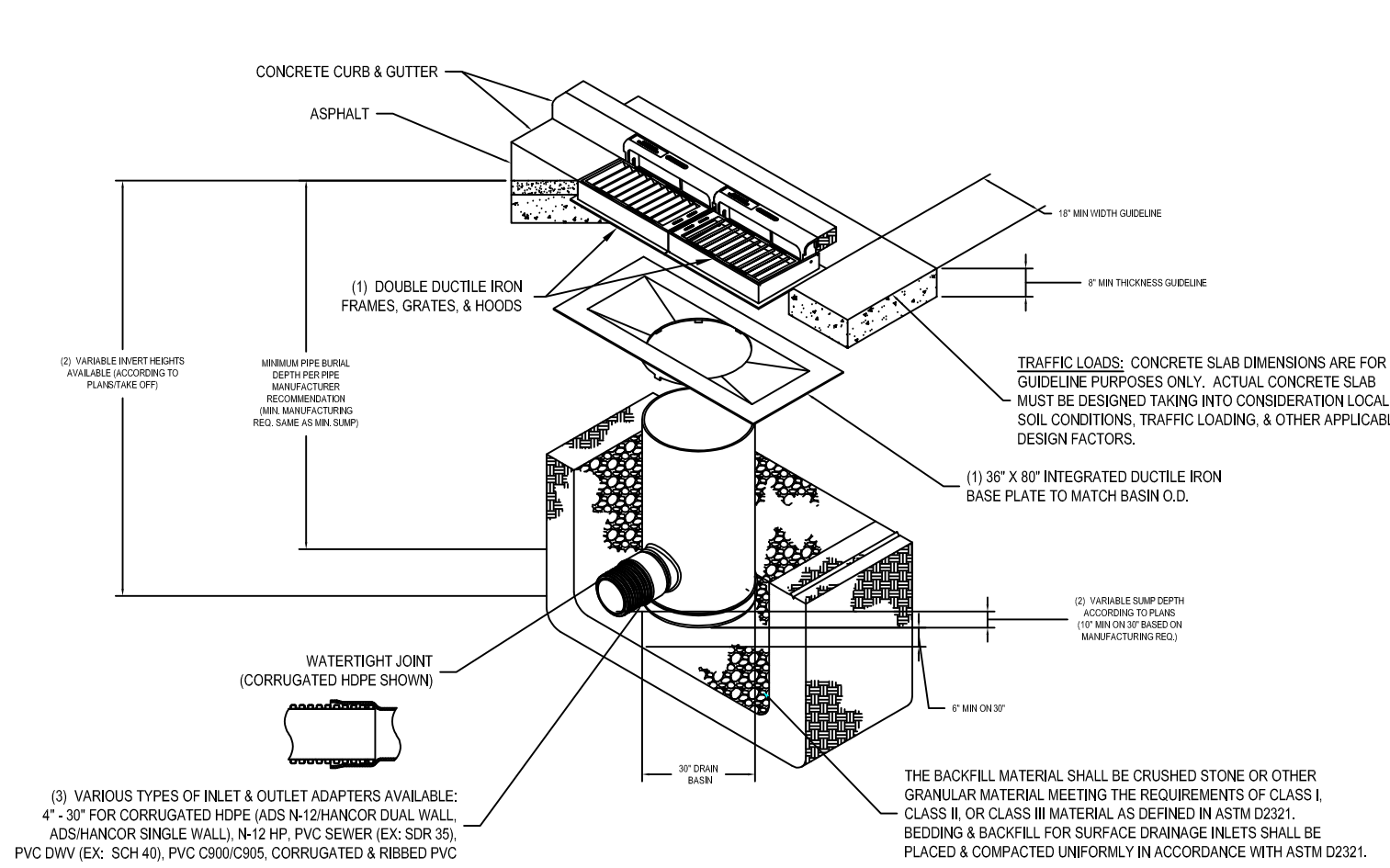
4 ROAD & HIGHWAY & CURB INLET FIELD ADJUSTMENTS
NOT TO SCALE

18" - 30" LOCK BOLTS
SEE DRAWING NO. 7001-110-027,
7001-110-025, & 7001-110-026



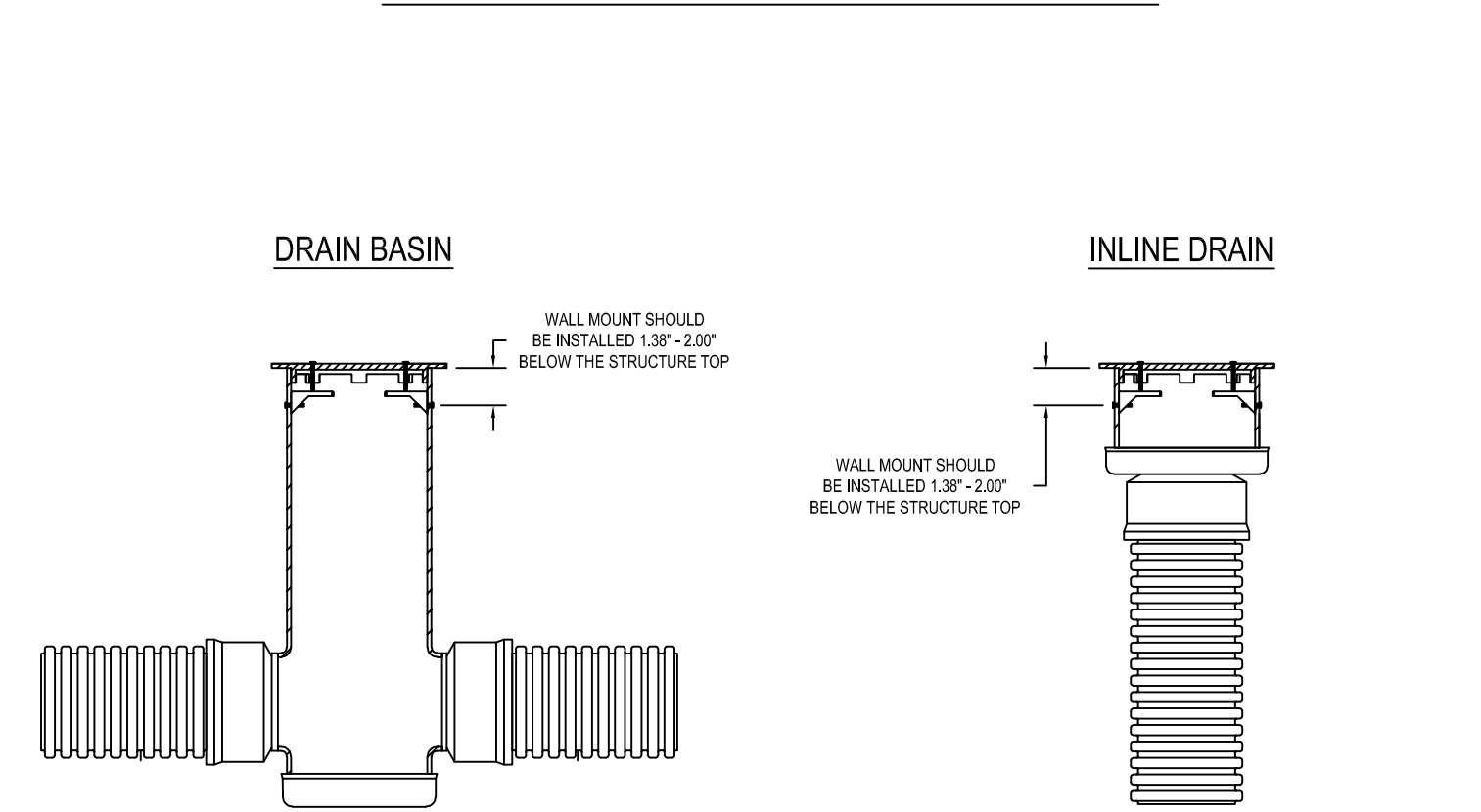
7 LOCKING FRAME & COVER BOLTED TO DRAIN BASIN
NOT TO SCALE

NYLOPLAST DOUBLE 2 FT X 3 FT CURB INLET STRUCTURE USING 36" X 80" DUCTILE IRON BASE PLATE

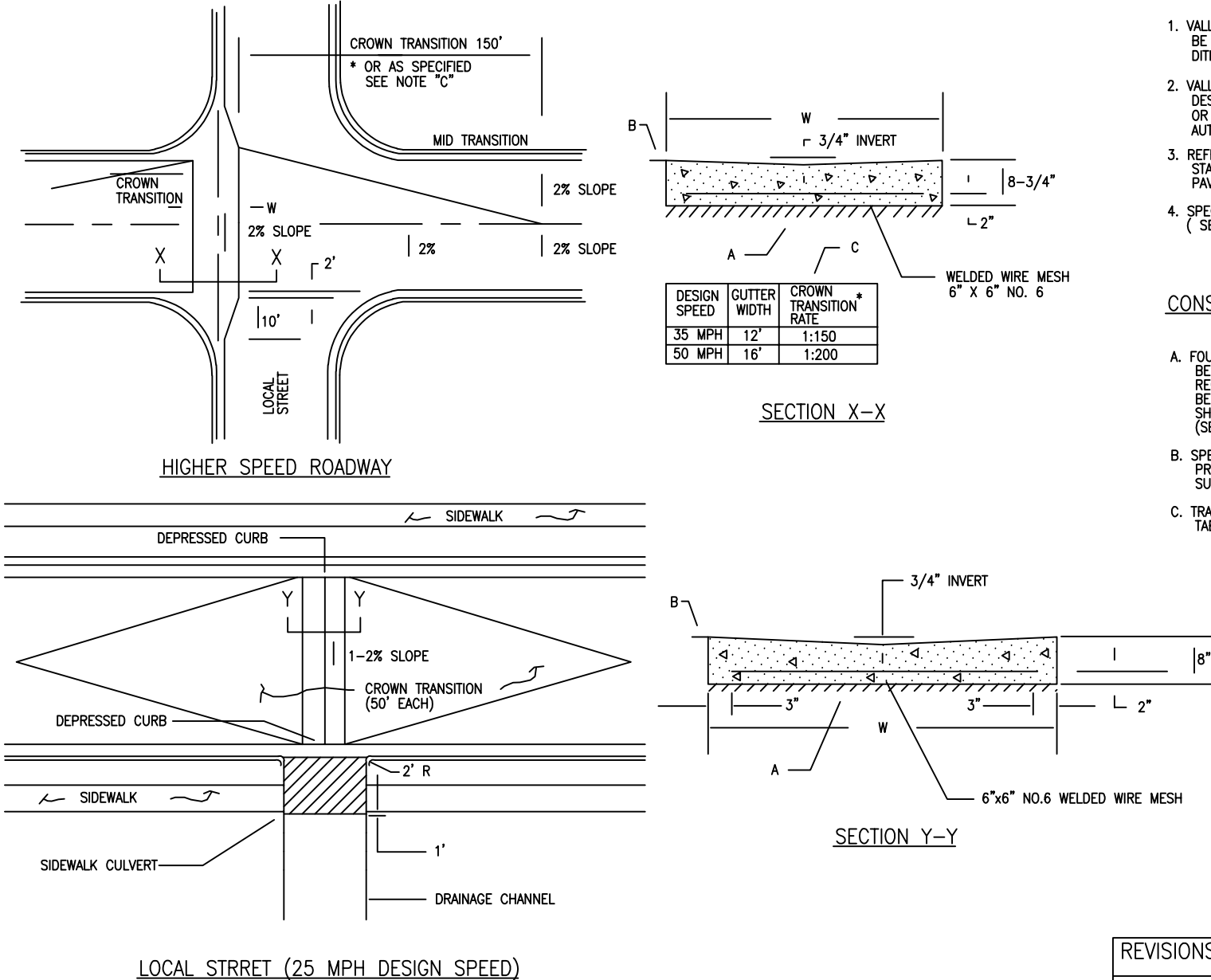


5 CURB INLET STRUCTURE USING DUCTILE IRON BASE PLATE
NOT TO SCALE

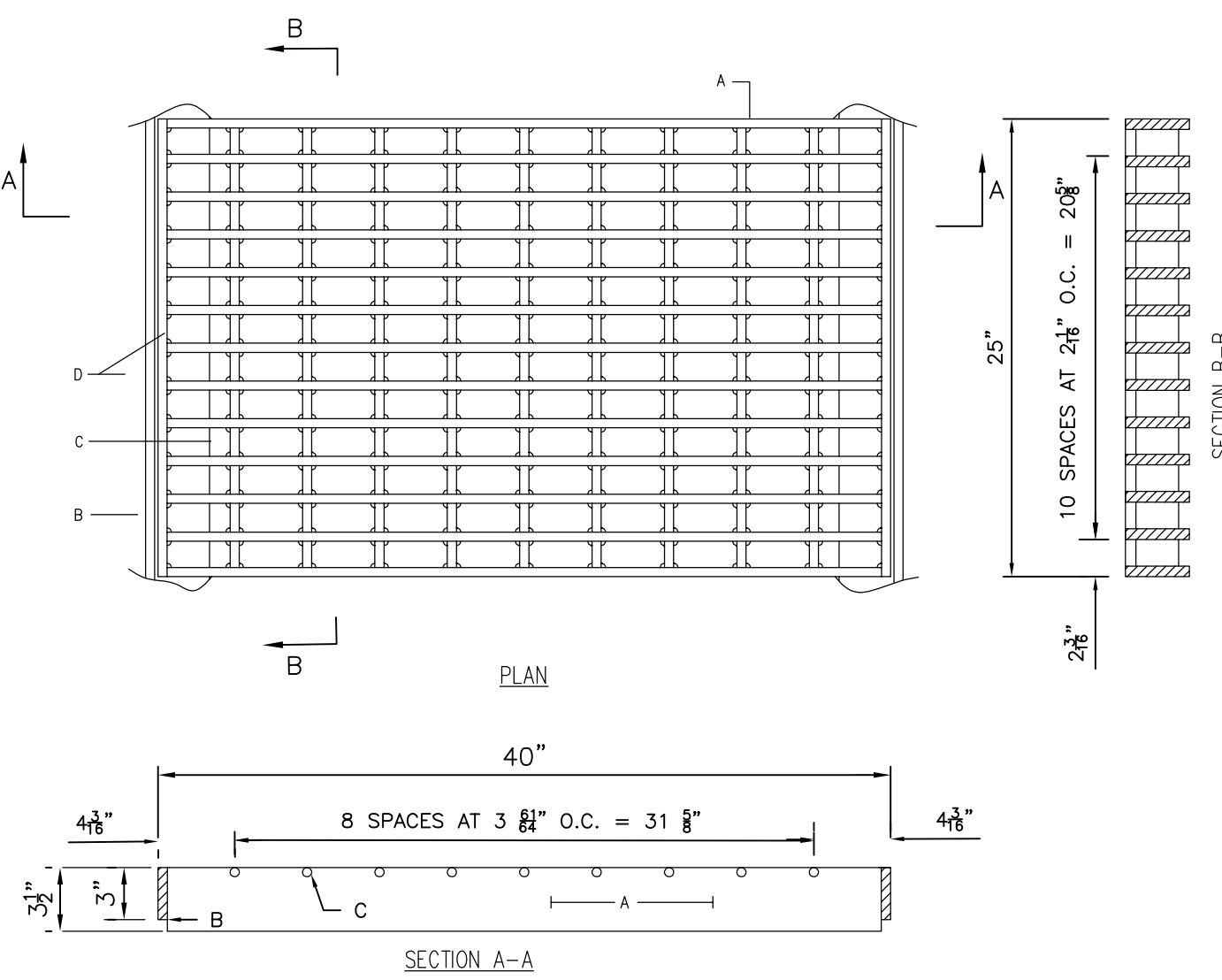
10 IN - 24 IN DROP-IN LOCKING KIT - P/N 1024DROLOCK



8 DROP-IN LOCKING KIT
NOT TO SCALE



3 PAVING SPECIAL VALLEY GUTTERS
NOT TO SCALE



6 DRAINAGE STORM INLET
NOT TO SCALE

GENERAL NOTES:

- VALLEY GUTTERS SHOWN IN THIS DRAWING ARE TO BE USED WHERE THERE IS A NON STOPPING CONDITION FOR VEHICLES CROSSING THE VALLEY GUTTER.
- VALLEY GUTTERS ARE NOT TO BE USED AS STANDARD DESIGN FOR CROSSING WATERS ACROSS COLLECTOR OR ARTERIAL ROADWAYS EXCEPT WITH WRITTEN AUTHORIZATION FROM THE CITY TRAFFIC ENGINEER.
- REFER TO OTHER CITY OF ALBUQUERQUE STANDARD DRAWINGS FOR CURB & GUTTER AND PAVING CONSTRUCTION DETAILS.
- SPECIAL VALLEY GUTTERS SHALL BE P.C.C. (SEE SECTION 101).

CONSTRUCTION NOTES:

- FOUNDATION FOR SPECIAL VALLEY GUTTERS SHALL BE EQUAL TO BASE, SUBGRADE AND SUBGRADE REQUIREMENTS FOR ADJACENT PAVING SECTION BELOW BOTTOM OF GUTTER, EXCEPT IN NO CASE SHALL IT BE LESS THAN 12" OF COMPACTED SUBGRADE (SEE SECTION 301).
- SPECIAL VALLEY GUTTERS SHALL BE COMPLETED PRIOR TO PLACEMENT OF ADJACENT ASPHALT SURFACE COURSE.
- TRANSITION LENGTHS TO BE CALCULATED PER TABLE.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING SPECIAL VALLEY GUTTERS
DWG. 2422	JULY 2019

GENERAL NOTES:

- ALL BARS SHALL BE GRADE A36 STRUCTURAL STEEL.
- THE GRATE SHALL BE WELDED WITH 1/2" FILLET WELD AROUND BOTH SIDES OF CROSS BARS, 1/2" FILLET WELD BOTH SIDES OF VEARING BARS TO END BARS.
- AFTER CLEANING SURFACE OF SCALE, RUST, OILS, ETC., PAINT GRATE WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
- TOP OF CROSS BARS SHALL BE FLUSHED WITH TOP OF GRATE.
- GRIND WELDS FLUSH WITH BEARING BARS.
- WHEN INSTALLED IN FRAME, PUSH TIGHT TO THE FRAME ON THE ROAD SIDE SO THAT IT IS FLUSH WITH THE FRAME. THE SIDE ALONG THE CURB LINE SIDE SHALL HAVE 1/2" MAX. OPENING. SPACERS WELDED TO FRAME MAY BE USED IF REQUIRED TO KEEP 1/2" SPACE OR LESS.
- WHEN INSPECTING OR DOING ROAD REHAB PROJECTS, IF THE GRATE IS NOT FLUSH WITH THE FRAME ON THE ROAD SIDE EDGE, COVER PLATES WELDED TO THE FRAME MAY BE USED TO COVER ANY GAPS.
- INSTALLED VOID SPACE AREA: 3.72 SQUARE FEET OR 536 SQUARE INCHES. VOID SPACE CALCULATED AS TOTAL AREA EXCLUSIVE OF: BEARING BARS, CROSS BARS, END BARS, FRAME, AND WELDS.

CONSTRUCTION NOTES:

- BEARING BARS, (13) PL 1/2" X 3 1/2" X 39".
- END BARS, (2) PL 1/2" X 3 X 25".
- CROSS BARS, (9) 1/2" X 24" ROD
- FRAME, SEE DWG. 2216.

REVISIONS	CITY OF ALBUQUERQUE
	DRAINAGE STORM INLET ALBUQUERQUE GRATE
DWG. 2220	JUNE 2019



REVISIONS

No.	DATE	DESCRIPTION
1	6-21-24	ADDED VALLEY GUTTER DETAIL
2	8-27-24	DETAIL NAMES UPDATED

