

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

September 25, 2024

Christie Schachter
CDS Development
16775 Addison Rd. Suite 550
Addison, TX 75001

**RE: Olive Garden – St Joseph’s NW
3823 Coors Blvd. NW
Grading & Drainage Plans
Engineer’s Stamp Date: 09/18/2024
Hydrology File: G11D067F**

Dear Ms. Schachter:

PO Box 1293

Based upon the information provided in your submittal received 09/18/2024, the Grading & Drainage Plans are approved for Building Permit, Grading Permit, Paving Permit, and Foundation Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

PRIOR TO CERTIFICATE OF OCCUPANCY:

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 detention pond per Article 6-15(C) of the DPM to Hydrology for review at Plaza de Sol.
3. The Southern Oxbow Center’s (overall development) Owner will have to substantially completed the following:
 - a. The Work Order for all improvements within the R.O.W. of St. Joseph as outlined in the Infrastructure List (PR-2021-005597).
 - b. All private access drives and private drainage structures to convey the storm discharge from this site to the ultimate outfall point for Southern Oxbow Center which is the existing 36-inch storm sewer stub on Coors Blvd.

www.cabq.gov

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

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

Engineer (Doug Hughes, PE, jhughes@cabq.gov, 505-924-3420) 14 days prior to any earth disturbance.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Anthony Montoya, Jr.', is positioned above the typed name.

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

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title: _____ Hydrology File # _____

Legal Description: _____

City Address, UPC, OR Parcel: _____

Applicant/Agent: _____ Contact: _____

Address: _____ Phone: _____

Email: _____

Applicant/Owner: _____ Contact: _____

Address: _____ Phone: _____

Email: _____

TYPE OF DEVELOPMENT: Plat (# of lots) _____ Single Family Home
All other Developments

RE-SUBMITTAL: YES NO

DEPARTMENT: TRANSPORTATION HYDROLOGY/DRAINAGE

Check all that apply under Both the Type of Submittal and the Type of Approval Sought:

TYPE OF SUBMITTAL:

Engineering / Architect Certification
Conceptual Grading & Drainage Plan
Grading & Drainage Plan, and/or Drainage Report
Drainage Report (Work Order)
Drainage Master Plan
Conditional Letter of Map Revision (CLOMR)
Letter of Map Revision (LOMR)
Floodplain Development Permit
Traffic Circulation Layout (TCL) – Administrative
Traffic Circulation Layout (TCL) – DFT Approval
Traffic Impact Study (TIS)
Street Light Layout
OTHER (SPECIFY) _____

TYPE OF APPROVAL SOUGHT:

Pad Certification
Building Permit
Grading Permit
Paving Permit
SO-19 Permit
Foundation Permit
Certificate of Occupancy - Temp Perm
Preliminary / Final Plat
Site Plan for Building Permit - DFT
Work Order (DRC)
Release of Financial Guarantee (ROFG)
CLOMR / LOMR
Conceptual TCL - DFT
OTHER (SPECIFY) _____

DATE SUBMITTED: _____

Drawn: [Name], Checked: [Name], Date: [Date], Project: [Project Name], Scale: [Scale], Sheet: [Sheet Number]

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION

APPROVED

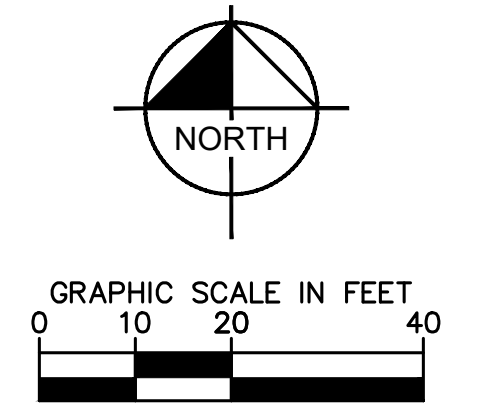
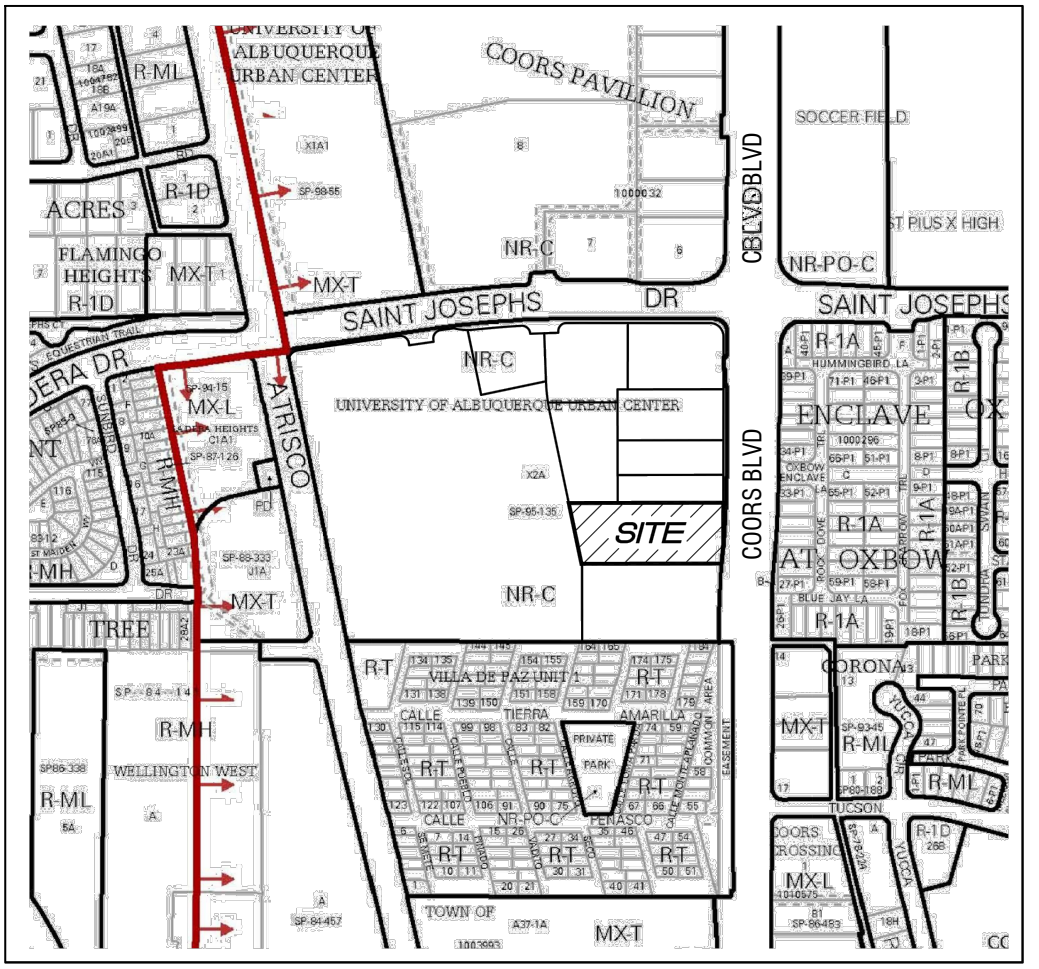
DATE: 9/25/2024
BY: [Signature]
HydroTrans # G11D067F

THE APPROVAL OF THESE PLANS DOES NOT CONSTITUTE AN ENDORSEMENT OF ANY CITY OR COUNTY OF ALBUQUERQUE. THE CITY OF ALBUQUERQUE IS NOT RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, OR MAINTENANCE OF THE PROJECT. THE CITY OF ALBUQUERQUE IS NOT RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, OR MAINTENANCE OF THE PROJECT. THE CITY OF ALBUQUERQUE IS NOT RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, OR MAINTENANCE OF THE PROJECT.

APPROVAL OF GRADING & DRAINAGE PLANS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.

CONTROL POINTS
CP 1 - N=1501731.43
E=1505848.04
CONTROL POINT
ON CURB
CP 2 - N=1502725.05
E=1505435.71
EL=5118.69
CONTROL POINT
ON CURB
CP 3 - N=1502640.50
E=1504651.34
EL=5113.60
CONTROL POINT
ON CURB

NGS/ALBUQUERQUE CONTROL SURVEY MONUMENT "JOSEPH 1969"
N.M. STATE PLANE COORDINATES (CENTRAL ZONE - NAD83)
N=1,502,309.28
E=1,508,932.887
DELTA ALPHA = -00°15'24.78"
GROUND TO GRID FACTOR = 0.999679588
ELEVATION=5116.61 (NAVD83)



- GRADING AND DRAINAGE NOTES**
- ALL ADA ACCESSIBLE ROUTES AND PARKING (INCLUDING DRIVEWAY CROSSWALKS) SHALL CONFORM TO ADA STANDARDS. IF A DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PLACING PAVEMENT. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SIDEWALKS AND PEDESTRIAN ROUTES DO NOT EXCEED A 5% SLOPE IN THE PATH OF TRAVEL OR A 2% CROSS SLOPE. AND CONTRACTOR SHALL VERIFY THAT ACCESSIBLE PARKING AREAS (INCLUDING THE ADJOINING ACCESS AISLES) DO NOT EXCEED A 2% SLOPE IN ANY DIRECTION. CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO ENSURE ADA SLOPE CRITERIA ARE NOT EXCEEDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PLACING PAVEMENT IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.
 - ALL UTILITY STRUCTURES SHALL BE ADJUSTED TO PROPER LINE AND GRADE BEFORE FINAL ACCEPTANCE. CONTRACTOR SHALL ADJUST EXISTING VALVES, MANHOLE RIMS, ETC. AS NECESSARY TO MATCH FINISHED GRADE.
 - CONTRACTOR SHALL SOD/SEED OR LANDSCAPE ALL DISTURBED AREAS WHICH ARE NOT PAVED. REFER TO LANDSCAPE PLANS.
 - ON TURF, MINIMUM SLOPES SHALL BE 1% AND MAXIMUM SLOPES SHALL NOT EXCEED 4H:1V, UNLESS OTHERWISE NOTED.
 - FINISHED GRADES DIRECTLY ADJACENT TO THE BUILDING(S) THAT ARE NOT PAVED SHALL BE 2-INCHES BELOW FINISHED FLOOR ELEVATION UNLESS OTHERWISE NOTED.
 - FINISHED GRADES ADJACENT TO THE BUILDING(S) SHALL BE SLOPED AT A MINIMUM OF 1% AWAY FROM THE BUILDING FOR PAVED SURFACES AND 2% AWAY FROM THE BUILDING FOR LANDSCAPED AREAS UNLESS OTHERWISE NOTED.
 - CONTRACTOR TO ENSURE THAT PONDING OF STORM WATER DOES NOT OCCUR WITHIN PAVED AREAS WHERE WORK IS PERFORMED.
 - CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING FOOTPRINT DIMENSIONS.
 - CONTRACTOR SHALL REFER TO FINAL GEOTECH REPORT FOR BUILDING SUBGRADE AND SITE PREPARATION REQUIREMENTS.

LEGEND

---	PROPERTY LINE
- - -	FLOW LINE
---	GRADE BREAK LINE
---	PROPOSED ELEVATIONS (BY OTHERS)
---	PROPOSED CONTOURS
ME-5111.00	MATCH EXISTING GRADE
TC-5110.50	TOP OF PAVEMENT
TC-5111.75	TOP OF CURB/GUTTER
BW-5105.25	TOP OF WALL/BOTTOM OF WALL

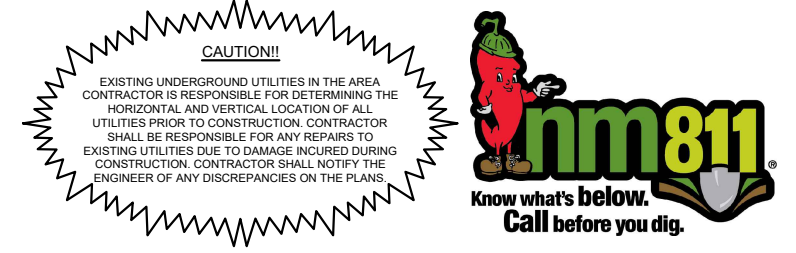
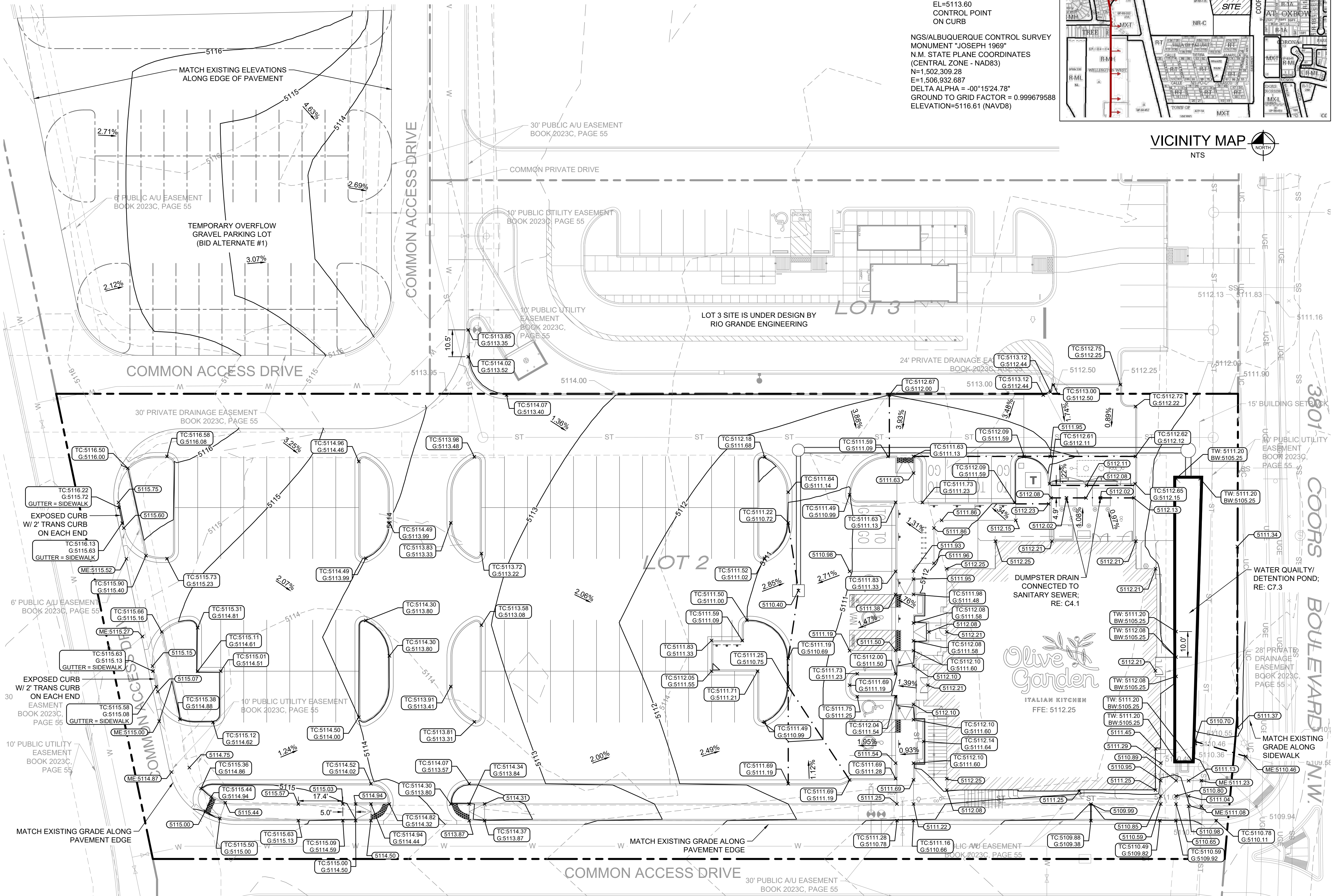
LEGAL DESCRIPTION

AS CONTAINED IN THE TITLE COMMITMENT PREPARED FOR THIS PROPERTY BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, COMMITMENT NO. SP000130661, COMMITMENT DATE: JULY 26, 2023.

LOT NUMBERED TWO (2) OF THE PLAT OF LOTS 1 THRU 10, THE UNIVERSITY OF ALBUQUERQUE URBAN CENTER, BEING WITHIN THE TOWN OF ATRISCO GRANT IN PROJECTED SECTION 2, TOWNSHIP 10 NORTH, RANGE 2 EAST OF THE NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLOT OF SAID SUBDIVISION, FILED IN THE OFFICE OF THE COUNTY CLERK IF BERNALILLO, NEW MEXICO, ON JULY 11, 2023 IN PLAT BOOK 2023C, PAGE 55.

FLOOD ZONE DETERMINATION

THE SUBJECT PROPERTY (AS SHOWN HEREON) LIES WITHIN ZONE "X" (AREA OF MINIMAL FLOOD HAZARD) IN ACCORDANCE WITH THE NATIONAL FLOOD INSURANCE PROGRAM RATE MAP NO. 35001C0114 H, EFFECTIVE DATE 08-16-2012.



City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION

APPROVED

DATE: 9/25/2024
BY: [Signature]
HydroTrans # G11D067F

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APPROVAL OF GRADING & DRAINAGE PLANS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.

Kimley»Horn

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4177 GALLARDA PARKWAY, SUITE 250, OKLAHOMA CITY, OK 73142
PHONE: 405-252-2222
WWW.KIMLEY-HORN.COM

LAUREN A. NUFFT
NEW MEXICO
24254
PROFESSIONAL ENGINEER
09/18/2024

KHA PROJECT 063887193
DATE SEPTEMBER 2024
SCALE AS SHOWN
DESIGNED BY JHJ
DRAWN BY JCE
CHECKED BY LN

OLIVE GARDEN
3823 COORS BLVD. NW
ALBUQUERQUE, NM 87120

GRADING AND DRAINAGE PLAN 1

SHEET NUMBER
C7.1

This document, together with the concepts and designs presented herein, on an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kinley-Horn and Associates, Inc. shall be without liability to Kinley-Horn and Associates, Inc.

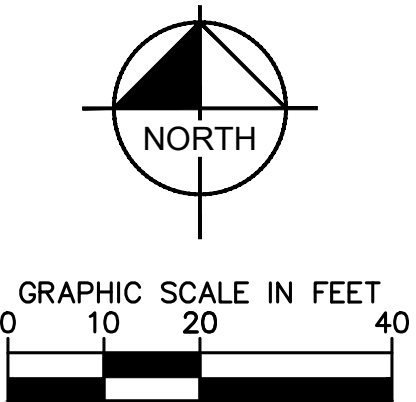
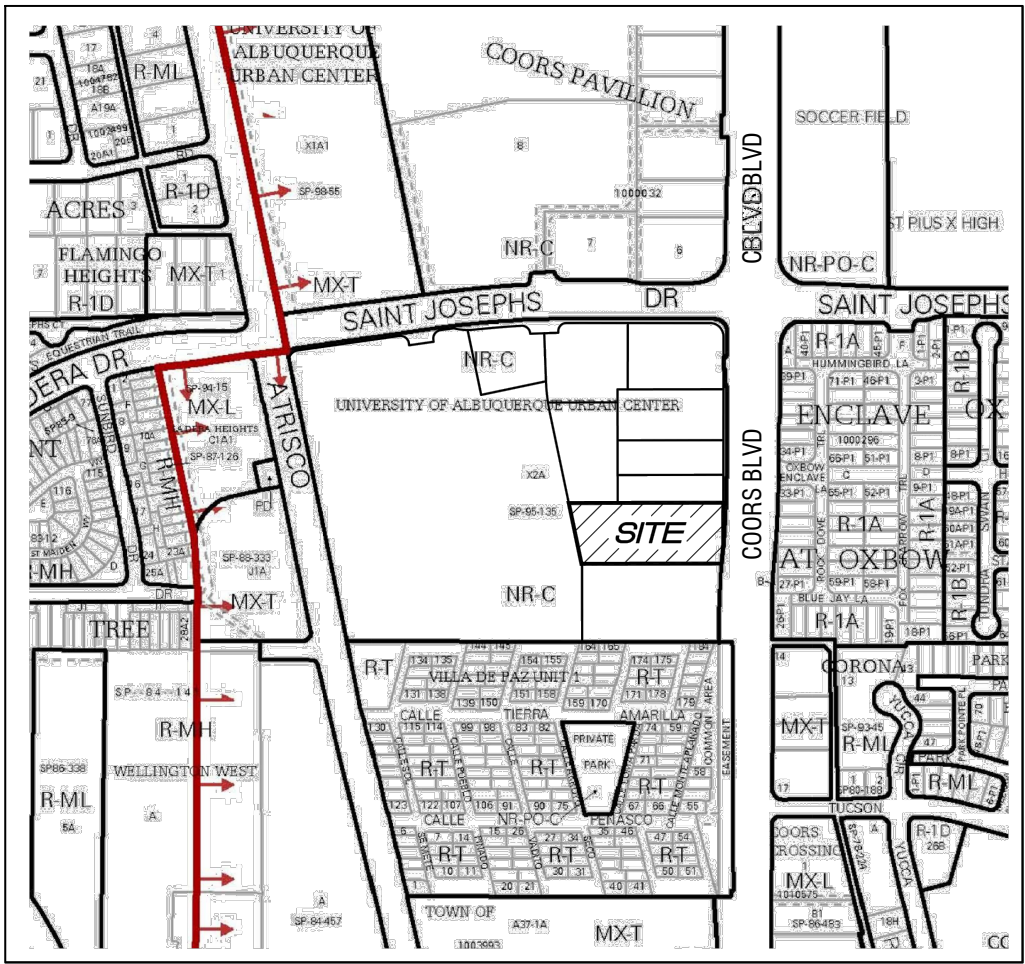
	<p>City of Albuquerque Planning Department Development Review Services HYDROLOGY SECTION APPROVED</p>
DATE:	9/25/2024
BY:	<i>Gina D'Amico</i>
HydroTeam #	G11D67TF
<p><small>THE APPROVAL OF THIS PLAN OR APPROVAL SHALL NOT BE CONSIDERED TO IMPLY ENDORSEMENT OF ANY CITY OR DEPARTMENT OR OFFICIAL AND THE CITY OF ALBUQUERQUE TAKES NO LIABILITY FOR ANY ACCIDENTS FROM RAINFALLING ON THE PROPOSED SITE. THE CITY OF ALBUQUERQUE DISCLAIMS ANY AND ALL LIABILITY FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE CITY OF ALBUQUERQUE SHALL NOT BE CHARGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.</small></p>	
<p>APPROVAL OF GRADING & DRAINAGE PLANS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN FILED ON THE DEVELOPMENT.</p>	

CONTROL POINTS				
CP 1 -	N=1501731.43 E=1505848.04 EL=5109.14 CONTROL POINT ON CURB	NGS/ALBUQUERQUE CONTROL SURVEY MONUMENT "JOSEPH 1969" N.M. STATE PLANE COORDINATES (CENTRAL ZONE - NAD83) N=1,502,309.28 E=1,506,932.687 DELTA ALPHA = -00°15'24.78" GROUND TO GRID FACTOR = 0.999679588 ELEVATION=5116.61 (NAVD83)		
CP 2 -	N=1502725.05 E=1505435.71 EL=5118.69 CONTROL POINT ON CURB			
CP 3 -	N=1502640.50 E=1504651.34 EL=5113.60 CONTROL POINT ON CURB			
		DRAINAGE	AREA	
		AREA	(AC)	(A)
		0.1	1.24	

DRAINAGE AREA	AREA (AC)	LAND TREATMENT C		LAND TREATMENT D		TOTAL Q (CFS)
		AREA (AC)	DISCHARGE (CFS/AC)	AREA (AC)	DISCHARGE (CFS/AC)	
DA-1	1.24	0.16	2.87	1.08	4.12	4.91
DA-2	0.04	0.00	2.87	0.04	4.12	0.16
DA-3	0.15	0.00	2.87	0.15	4.12	0.63

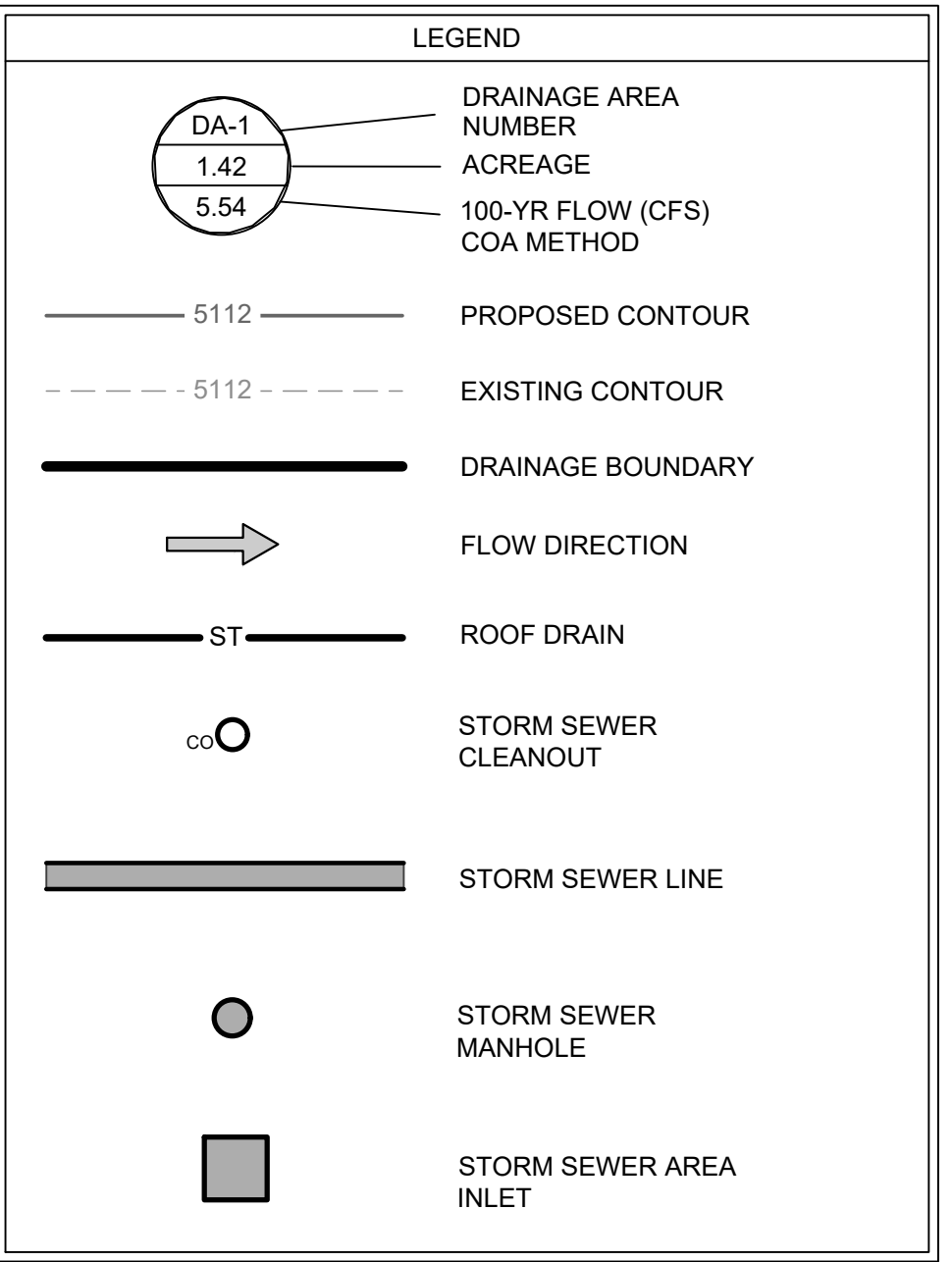
FLOOD ZONE DETERMINATION
THE SUBJECT PROPERTY (AS SHOWN HEREON) LIES WITHIN ZONE "X" (AREA OF MINIMAL FLOOD HAZARD) IN ACCORDANCE WITH THE NATIONAL FLOOD INSURANCE PROGRAM RATE MAP NO. 35001C0114 H, EFFECTIVE DATE 08-16-2012.

KEYNOTE LEGEND	
1	CONNECT TO DOWNSPOUT; RE: C7.5
2	6" HDPE SLOPED AT MIN. 1:10%
3	6" HDPE THROUGH CONCRETE RETAINING WALL; RE: C7.9
4	STORM SEWER LINE AND WATER LINE CROSSING (TYP); ENSURE 6" MIN SEPARATION BETWEEN TOP OF STORM SEWER AND BOTTOM OF WATER LINE; ENSURE NO WATER LINE JOINTS ARE WITHIN 5' OF THE CENTER OF STORM SEWER PIPE
5	ELECTRIC/GAS/COMMUNICATION AND STORM CROSSING (TYP); ENSURE 1' MIN SEPARATION BETWEEN STORM SEWER AND ELECTRIC/GAS/COMMUNICATIONS LINES
6	SANITARY SEWER AND STORM CROSSING (TYP); ENSURE 1' MIN SEPARATION BETWEEN STORM SEWER AND SANITARY SEWER LINES
7	STORM LINE CONNECTION W/ DOUBLE CLEANOUT; RE: PLUMBING PLANS



STORM SEWER NOTES

1. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL STORM SEWER STRUCTURES AND ALL UTILITIES CROSSING THE STORM SEWER SYSTEM.
2. FLOWLINE, RIM, AND GRATE ELEVATIONS OF PROPOSED STORM SEWER STRUCTURES SHALL BE VERIFIED WITH THE GRADING PLAN AND FIELD CONDITIONS PRIOR TO THEIR INSTALLATION.
3. ALL STORM PIPE CONNECTIONS ENTERING STRUCTURES OR OTHER STORM PIPES SHALL BE WATER-TIGHT.
4. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA, FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL.
5. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.
6. ALL PRIVATE STORM SEWER PIPES AND FITTINGS SHALL BE DUAL WALL HIGH DENSITY POLYETHYLENE (HDPE) WITH WATER-TIGHT JOINTS AND SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
7. RIM ELEVATIONS MEAN TOP OF LID FOR MANHOLES OR JUNCTION BOX AND TOP OF GRATE FOR AREA INLETS.
8. THE INDICATED STRUCTURE SIZE ARE INTERIOR DIMENSIONS.
9. DIMENSIONS ARE TO CENTER OF PIPE AND CENTER OF STRUCTURE.



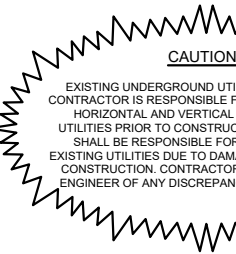
- (A1) STA: 10+00 LINE A**
INSTALL:
 18" HOPE STRIPS CONCRETE
 RETAINING WALL, RE: C7.9
 N: 1502022.87
 E: 1505745.60
 24" FL IN: 5106.31 (N)

(A2) STA: 10+10.08 LINE A
INSTALL:
 5" DIA MH
 N: 1502032.95
 E: 1505745.60
 RIM: 51112.00
 24" FL IN: 5106.36 (W)
 24" FL OUT: 5106.36 (S)

(A3) STA: 10+92.39 LINE A
INSTALL:
 6" INSTERA TEE
 N: 1502032.96
 E: 1505563.30
 24" FL IN: 5106.77 (W)
 24" FL OUT: 5106.77 (E)
 6" FL IN: 5107.52 (S)

(A4) STA: 11+62.55 LINE A
INSTALL:
 4" DIA MH
 N: 1502032.86
 E: 1505593.13
 RIM: 5111.61
 18" FL IN: 5107.13 (S)
 24" FL OUT: 5107.13 (E)

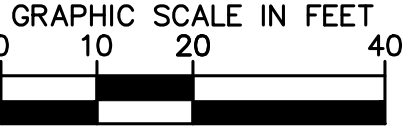
(A5) STA: 12+17.49 LINE A
INSTALL:
 SINGLE TYPE D INLET
 N: 1501978.02
 E: 1505593.13
 RIM: 5110.40
 18" FL OUT: 5107.40 (N)



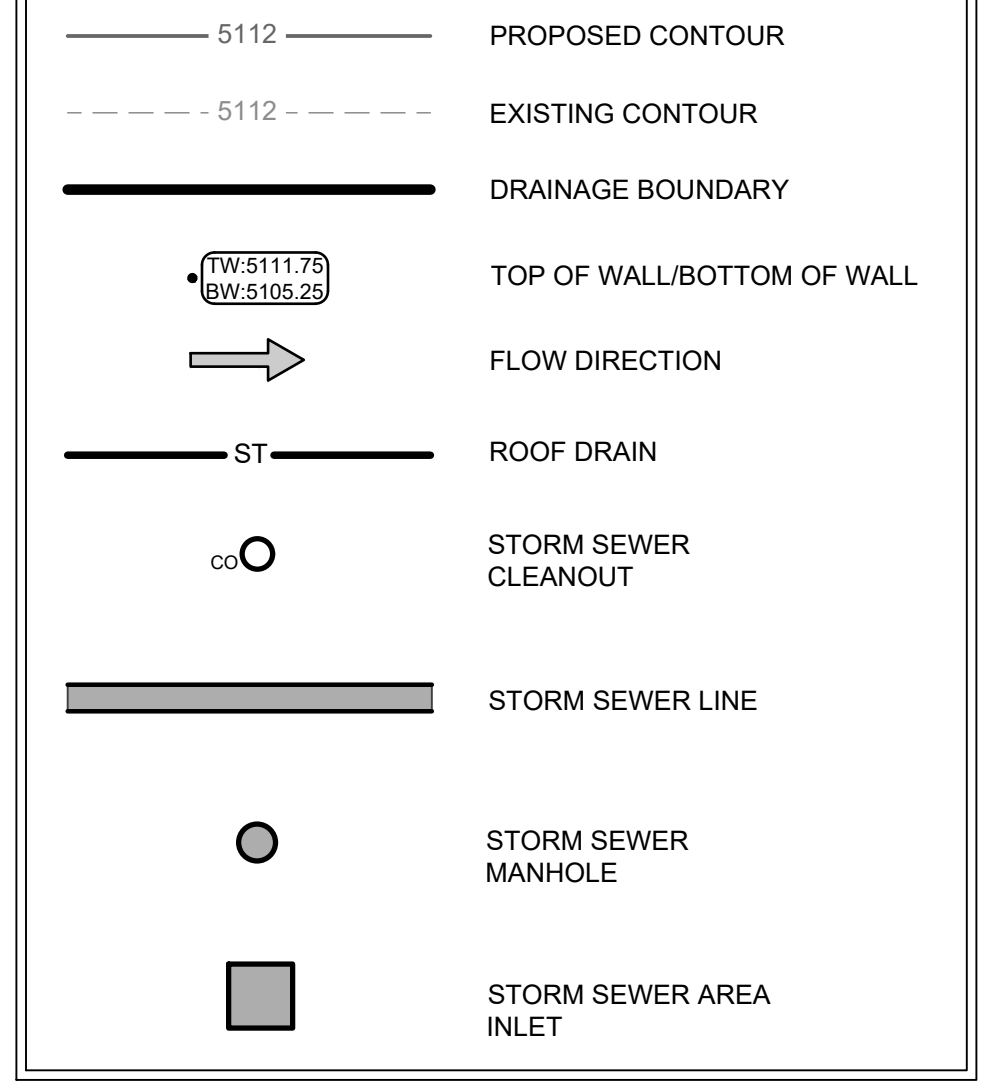
APPROVAL OF GRADING & DRAINAGE PLAN(S) SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.

* PEAK DISCHARGE FROM DETENTION POND = 2.90 CFS

NGS/ALBUQUERQUE CONTROL SURVEY
 MONUMENT "JOSEPH 1969"
 N.M. STATE PLANE COORDINATES
 (CENTRAL ZONE - NAD83)
 N=1,502,309.28
 E=1,506,932.687
 DELTA ALPHA = -00°15'24.78"
 GROUND TO GRID FACTOR = 0.999679588
 ELEVATION=5116.61 (NAVD8)



- REQUIRED WATER QUALITY VOLUME/ALLOWABLE DETENTION POND
RELEASE RATE WHERE PROVIDED BY THE APPROVED SOUTHERN
OXBOW CENTER MASTER DRAINAGE PLAN ON 1/26/24.



THE SUBJECT PROPERTY (AS SHOWN HEREON) LIES WITHIN ZONE "X" (AREA OF MINIMAL FLOOD HAZARD) IN ACCORDANCE WITH THE NATIONAL FLOOD INSURANCE PROGRAM RATE MAP NO. 35001C0114 H, EFFECTIVE DATE 08-16-2012.

SHEET NUMBER		C7.3	
GRADING AND DRAINAGE PLAN 3		OLIVE GARDEN 3823 COORS BLVD. NW ALBUQUERQUE, NM 87120	
KHA PROJECT 063887193		LAUREN A. NUFFER NEW MEXICO 24254 Professional Engineer 09/15/2024	
DATE SEPTEMBER 2024		© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 4727 GALLARDIA PARKWAY, SUITE 250, OKLAHOMA CITY, OK 73142 www.kimley-horn.com	
SCALE AS SHOWN		No.	
DESIGNED BY JUK		REVISIONS	
DRAWN BY JOE		DATE	
CHECKED BY LN		BY	

8/20/2024 12:47 PM
KITTENBRINK, JARED 9/18/2024 8:20 AM
K:\OCC_CIVIL\063887193-02 ALBUQUERQUE\CADD\PLANS\SHEETS
STORM CALCULATIONS.DWG. [STORM CALCULATIONS]
xModeling : xSite : xStorm : xUtil : xLANDLORD : xSurvey : xSurvey\LL : xBorder (24x36)
ROOF DRAIN : Roof Drain Pipe Capacity : NM811_RoofLogo_Text :

IMAGES
XREFS
LAST SAVED
PLOTTED BY
DWG PATH
DWG NAME

INTRODUCTION AND PROJECT DESCRIPTION

METHODOLOGY:

EXISTING CONDITIONS:

PROPOSED CONDITIONS:

CONCLUSIONS:

Roof Drain Calculations

Calculations
 Compute by: Q vs Depth
 No. Increments = 10

Highlighted

Depth (ft)	= 0.45
Q (cfs)	= 0.679
Area (sqft)	= 0.19
Velocity (ft/s)	= 3.65
Wetted Perim (ft)	= 1.25
Crit Depth, Yc (ft)	= 0.42
Top Width (ft)	= 0.30
EGL (ft)	= 0.66

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

DATE: 9/25/2024

BY: *[Signature]*

HydroTrans # G11D067F

THE APPROVAL OF THESE PLANS/SERVICE SHALL NOT BE
CONSIDERED TO PREVENT VIOLATION OF ANY CITY
ORDINANCE OR STATE LAW, AND THE APPROVED
PLANS SHALL BE USED IN ACCORDANCE WITH THE
CITY OF ALBUQUERQUE PLANNING DEPARTMENT
CORRECTION, OR ERROR OR OMISSIONS IN PLANS.
SPECIFICATIONS, OR CONDITIONS, SUCH AS APPROVED PLANS
SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT
AUTORIZATION.

APPROVAL OF GRADING & DRAINAGE PLAN(S) SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.

REQUIRED WATER QUALITY VOLUME/ALLOWABLE DETENTION
POND RELEASE RATE WHERE PROVIDED BY THE APPROVED
SOUTHERN OXBOW CENTER MASTER DRAINAGE PLAN ON
1/26/24.

Kimley»»Horn

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 4727 GALLARDIA PARKWAY, SUITE 250, OKLAHOMA CITY, OK 73142
 PHONE: 405-241-5423
 WWW.KIMLEY-HORN.COM



KHA PROJECT 063887193	DATE SEPTEMBER 2024	SCALE AS SHOWN	DESIGNED BY JJK	DRAWN BY JCE	CHECKED BY LN
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OLIVE GARDEN
3823 COORS BLVD. NW
ALBUQUERQUE, NM 87120

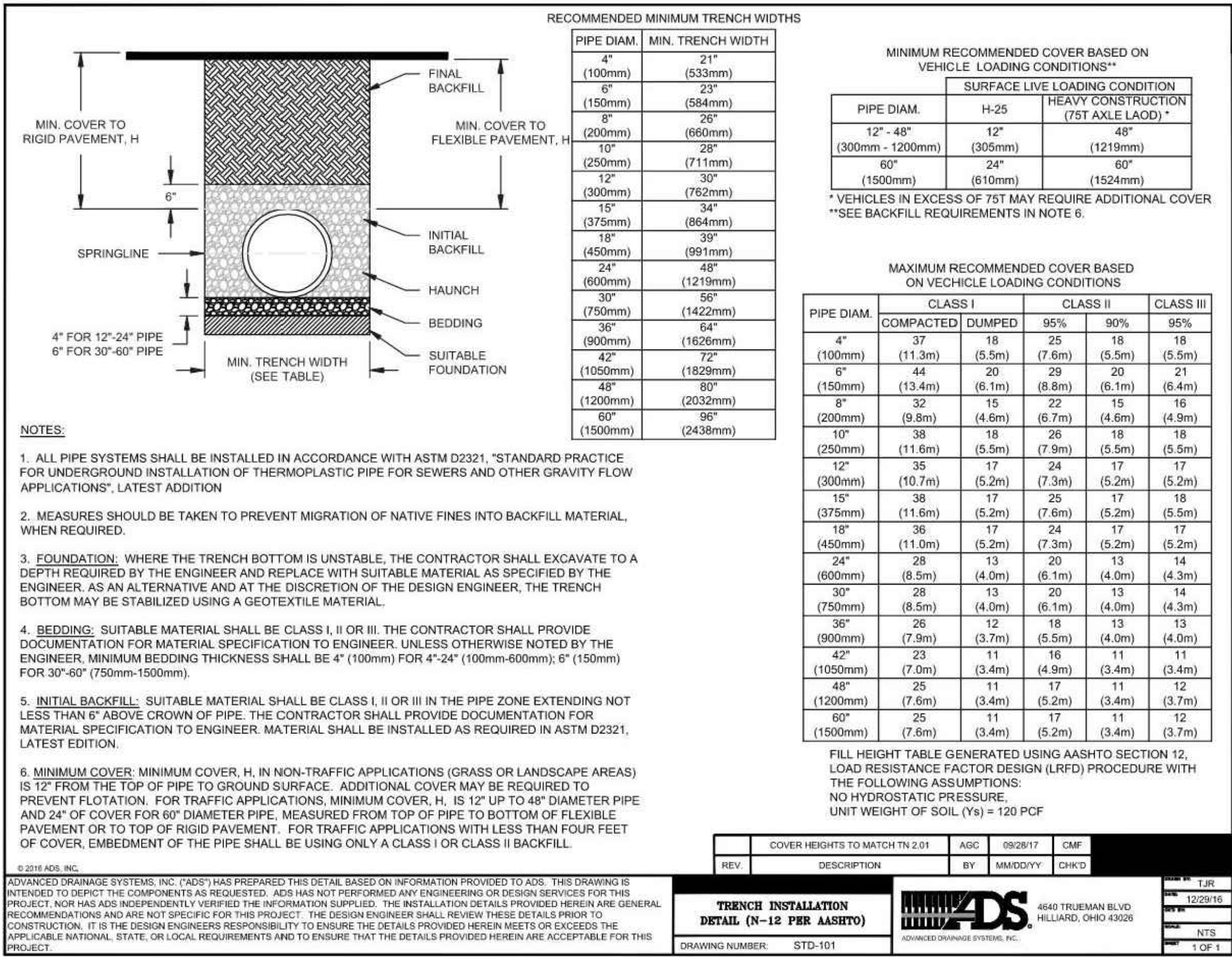
STORM CALCULATIONS

SHEET NUMBER
C7.4

Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc. for any and all claims, damages, losses, and expenses, including reasonable attorneys' fees, that may be incurred by the City of Albuquerque or any third party as a result of the use of the information contained herein. This document, together with the concepts and designs presented herein, is an instrument of service. It is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc. for any and all claims, damages, losses, and expenses, including reasonable attorneys' fees, that may be incurred by the City of Albuquerque or any third party as a result of the use of the information contained herein.

NAME: JAMES J. HORN, P.E. TITLE: PROJECT MANAGER
DATE: 9/25/2024
LAST SAVED: 9/25/2024 4:03 PM
DRAWN BY: J. HORN
CHECKED BY: J. HORN
DATE: 9/25/2024
SCALE: AS SHOWN
DESIGNED BY: J. HORN
DRAWN BY: J. HORN
CHECKED BY: J. HORN

ADVANCED DRAINAGE SYSTEMS, INC. (ADS) HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DETAIL THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

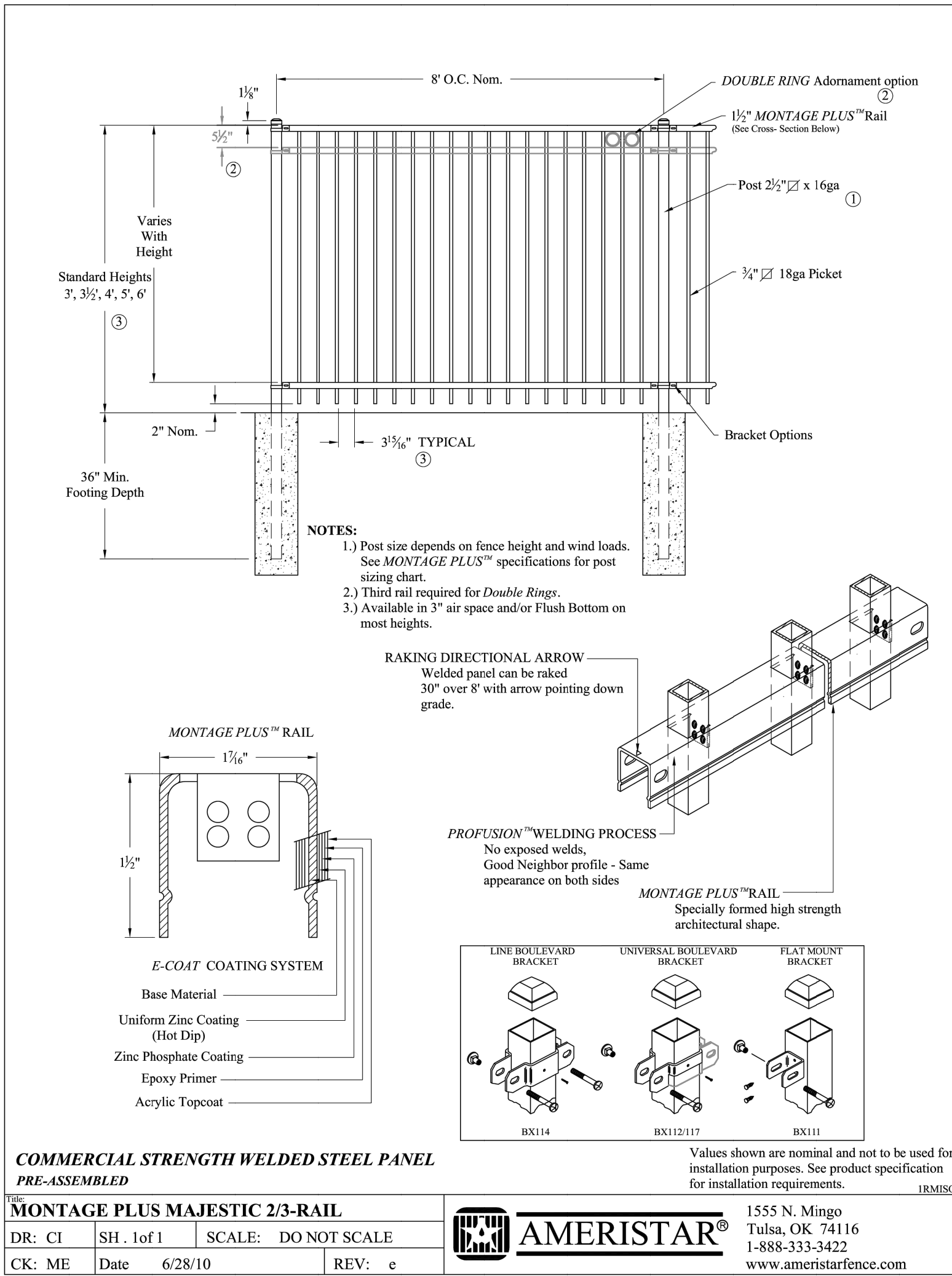
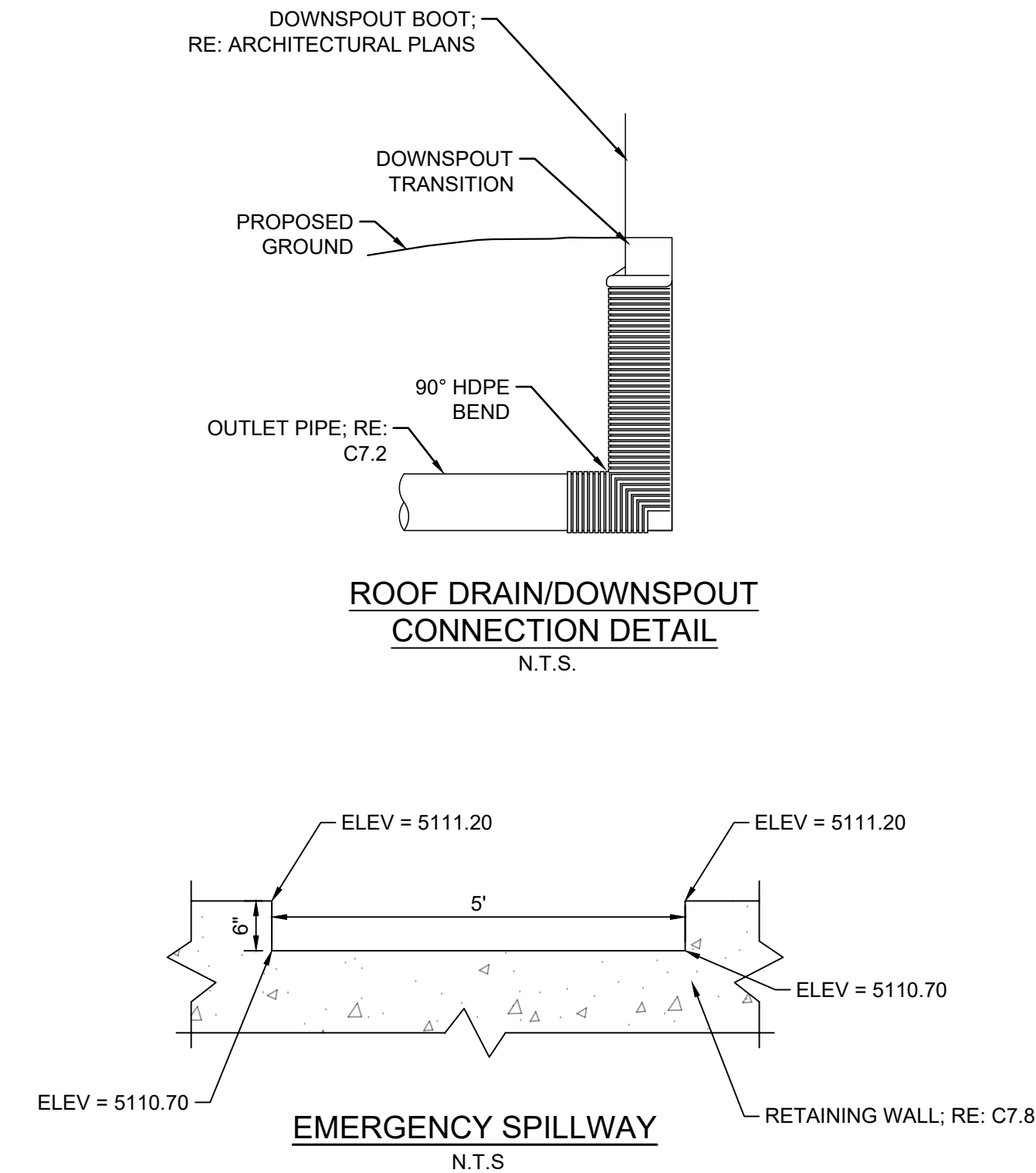


HDPE TRENCH DETAIL

N.T.S.

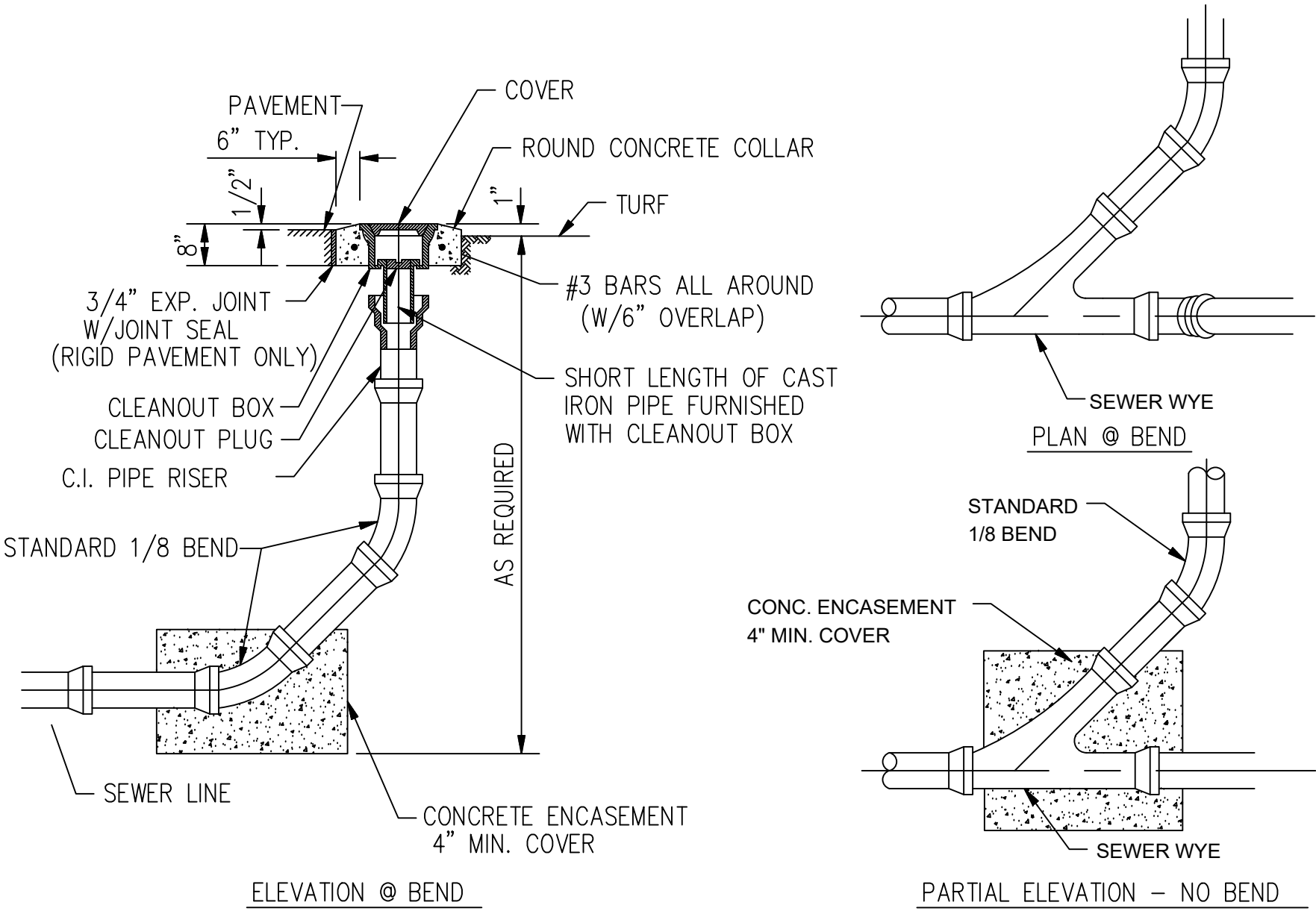
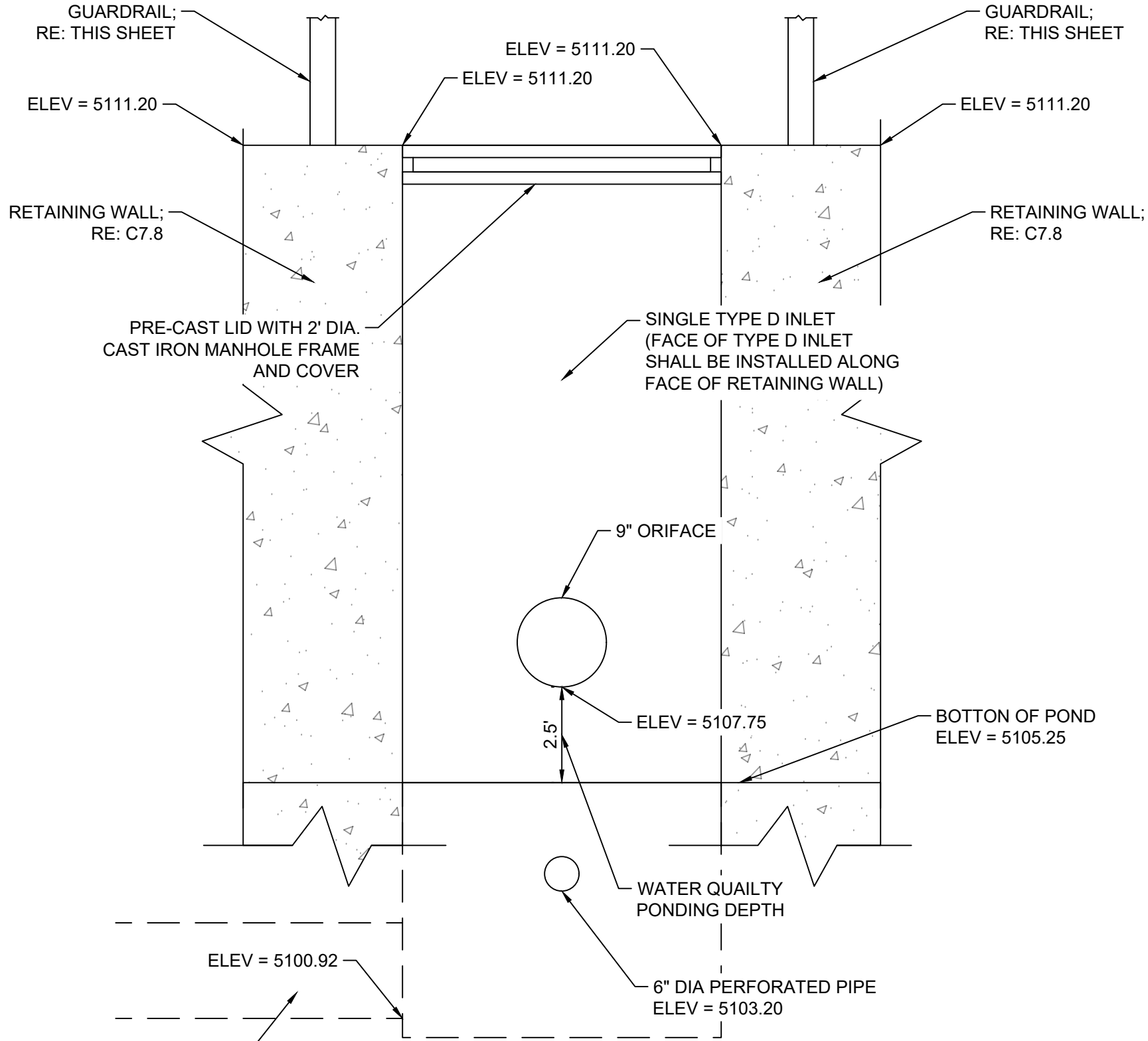
NOTES:

1. ALL INITIAL BACKFILL AND BEDDING SHALL BE #67 STONE ACCORDING TO ASTM D-448 COMPACTED TO 95% PER ASTM D-698.
2. FINAL BACKFILL UNDER PAVEMENT SHALL BE #67 STONE ACCORDING TO ASTM D-448 COMPACTED TO 95% PER ASTM D-698.
3. FINAL BACKFILL UNDER NON-PAVED AREAS AND SIDEWALKS SHALL BE SATISFACTORY SOIL COMPACTED TO 95% PER ASTM D-698.



DETENTION OUTLET STRUCTURE

N.T.S.



NOTES:

1. WHERE A CLEANOUT IS LOCATED ON A WYE LARGER THAN 8 INCHES, A 4-INCH OR 6-INCH PVC REDUCER SHALL BE USED TO TRANSITION FROM THE STORM SEWER PIPE TO THE CLEANOUT
2. WHEN LOCATED WITHIN PAVEMENT, A HEAVY-DUTY, TRAFFIC-RATED COVER/CLEANOUT BOX SHALL BE USED.

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

DATE: 9/25/2024
BY: J. HORN
Hydrology # C110067F

THE APPROVAL OF THESE PLANS/DETAILS SHALL NOT BE CONSIDERED TO PERMIT VIOLATION OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PRESENT ANY LIABILITY TO THE CITY OF ALBUQUERQUE FOR ANY VIOLATION OF ANY CITY ORDINANCE OR STATE LAW, OR FOR ANY VIOLATION OF ANY CITY ORDINANCE OR STATE LAW, OR FOR ANY VIOLATION OF ANY CITY ORDINANCE OR STATE LAW.

APPROVAL OF GRADING & DRAINAGE PLANS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.

Kimley»Horn

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WWW.KIMLEY-HORN.COM

LAUREN A. NUFFT
NEW MEXICO
24254
Professional Engineer

KHA PROJECT 063887193
DATE SEPTEMBER 2024
SCALE AS SHOWN
DESIGNED BY JHK
DRAWN BY JCE
CHECKED BY LN

OLIVE GARDEN
3823 COORS BLVD. NW
ALBUQUERQUE, NM 87120

GRADING AND DRAINAGE DETAILS 1

SHEET NUMBER
C7.5