

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

August 9, 2023

Hal Grubb
Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032

RE: Dutch Bros. Coffee NM0203
Tract 12 of Plat of Tracts 1 through 12 of the Avalon Subdivision Unit 5
Grading and Drainage Plan (K09D048B)
Engineers Stamp Date: 6/20/2023

Dear Mr. Grubb:

Based upon the information provided in your submittal received 8/7/2023, the Grading & Drainage Plan is approved for Grading Permit and Building Permit approval. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter. The civil and landscaping plans approval are not part of this approval. Those plans must be approved by other departments.

PRIOR TO CERTIFICATE OF OCCUPANCY:

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 made out to "Bernalillo County" for the stormwater quality ponds per Article 6-15(C) of the DPM to Hydrology for review. Once the review is done, Hydrology will send back an email stating our approval / comments.

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, 505-924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 505-924-3695 or tchen@cabq.gov.

Sincerely,

Tiequan Chen, P.E.
Principal Engineer, Hydrology
Planning Department, Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

TYPE OF SUBMITTAL: _____ PLAT (____# OF LOTS) _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL?: _____ Yes _____ No **Building Permit has been issued**

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION _____ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- _____ ENGINEER/ARCHITECT CERTIFICATION
- _____ PAD CERTIFICATION
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ DRAINAGE MASTER PLAN
- _____ DRAINAGE REPORT
- _____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- _____ ELEVATION CERTIFICATE
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ TRAFFIC IMPACT STUDY (TIS)
- _____ OTHER (SPECIFY) _____
- _____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- _____ BUILDING PERMIT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY
- _____ PRELIMINARY PLAT APPROVAL
- _____ SITE PLAN FOR SUB'D APPROVAL
- _____ SITE PLAN FOR BLDG. PERMIT APPROVAL
- _____ FINAL PLAT APPROVAL
- _____ SIA/ RELEASE OF FINANCIAL GUARANTEE
- _____ FOUNDATION PERMIT APPROVAL
- _____ GRADING PERMIT APPROVAL
- _____ SO-19 APPROVAL
- _____ PAVING PERMIT APPROVAL
- _____ GRADING/ PAD CERTIFICATION
- _____ WORK ORDER APPROVAL
- _____ CLOMR/LOMR
- _____ FLOODPLAIN DEVELOPMENT PERMIT
- _____ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____



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

DUTCH BROS. COFFEE - NM0203, ALBUQUERQUE, NM GRADING PLAN

GRADING GENERAL NOTES:

- ALL GRADING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE CURRENT CITY ORDINANCE AND STANDARD PLANS. THE GRADING IS SUBJECT TO THE OBSERVATION AND APPROVAL OF THE PUBLIC WORKS DEPARTMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PROPOSED GRADES IN RELATIONSHIP TO SURVEYED BASIS OF ELEVATION.
- BUILDING FINISH FLOOR (FF) ELEVATION. THE FINISH FLOOR OF THE BUILDING(S) IS DESIGNED TO BE FLUSH WITH SURROUNDING CONCRETE PAVING UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL EXISTING UTILITY STRUCTURES AND ASSOCIATED LIDS THAT FALL WITHIN THE AREA OF WORK SHALL BE ADJUSTED TO FINISHED GRADE ELEVATIONS. CONTRACTOR SHALL CONFIRM THE FEASIBILITY OF ADJUSTING EXISTING UTILITY STRUCTURE LIDS TO FINISHED GRADE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- CONTRACTOR TO PROTECT AND MAINTAIN EROSION CONTROL FACILITIES DURING GRADING OPERATIONS.
- CONTRACTOR TO OBTAIN ANY NECESSARY RIGHT-OF-WAY PERMITS IF REQUIRED FOR WORK SHOWN ON PLANS.
- ALL MATCH EXISTING ELEVATIONS SHALL BE CONSTRUCTED TO BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES. ALL SAWCUT LOCATIONS, SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
- ALL SPOT ELEVATIONS SHOWN HAVE BEEN "TRUNCATED" TO INCREASE VISUAL CLARITY. ALL ELEVATIONS ARE PLUS 5200', e.g. 5216.05 = 16.05

STANDARD ELEVATION: 5216.05
TRUNCATED ELEVATION: 16.05

FF - FINISHED FLOOR
FL - FLOWLINE
FSH - FLUSH
GB - GRADE BREAK
GRD - GROUND
MA - MATCH OFFSITE TIE IN ELEVATION
ME - MATCH EXISTING
TC - TOP OF CURB/SIDEWALK
TP - TOP OF PAVING
RIM - RIM/GRADE ELEVATION OF STRUCTURE



GEOTECHNICAL GRADING NOTES:

THE FOLLOWING NOTES HAVE BEEN REFERENCED FROM THE GEOTECHNICAL REPORT PREPARED BY TERRACON CONSULTANTS, INC. DATED MARCH 23, 2022. REFER TO THE COMPLETE REPORT FOR ALL EARTHWORK REQUIREMENTS.

SITE IS GENERALLY LOOSE TO MEDIUM DENSE SANDS. NEAR SURFACE SOILS COULD BECOME UNSTABLE WITH TYPICAL EARTHWORK AND CONSTRUCTION TRAFFIC, ESPECIALLY AFTER PRECIPITATION EVENTS.

ONSITE SOILS ARE SUITABLE FOR USE AS STRUCTURAL FILL BENEATH FOUNDATIONS, FLOOR SLABS, AND PAVEMENTS. ANY ENGINEERED FILL REQUIRED TO RAISE THE SITE TO CONSTRUCTION GRADE CAN BE INCLUDED IN THE RECOMMENDED STRUCTURAL/ENGINEERING FILL ZONE.

GROUNDWATER:

GROUNDWATER WAS NOT OBSERVED DURING OUR SUBSURFACE EXPLORATION. IT SHOULD BE NOTED THAT LOCALIZED GROUNDWATER COULD BE ENCOUNTERED DURING GRADING DUE TO THE LIMITED NUMBER OF EXPLORATORY

SITE PREPARATION:

COMPLETE STRIPPING OF THE TOPSOIL SHOULD BE PERFORMED.

SUBGRADE SHOULD BE PROOFROLLED WITH ADEQUATELY LOADED VEHICLE SUCH AS FULLY-LOADED TANDEM-AXLE DUMP TRUCK UNDER THE DIRECTION OF THE GEOTECHNICAL ENGINEER.

AREAS EXCESSIVELY DEFLECTING UNDER THE PROOFROLL SHOULD BE DELINEATED AND ADDRESSED BY THE GEOTECHNICAL ENGINEER. SUCH AREAS SHOULD BE REMOVED OR MODIFIED BY STABILIZING LIME, FLY ASH, KILN DUST, CEMENT, OR GEOTEXTILES. EXCESSIVELY WET OR DRY MATERIAL SHOULD BE REMOVED OR MOISTURE CONDITIONED AND RECOMPACTED.

MATERIALS FOR FILL:

FILL REQUIRED TO ACHIEVE DESIGN GRADE SHOULD BE CLASSIFIED AS STRUCTURAL FILL AND GENERAL FILL. EARTHEN MATERIAL USED FOR STRUCTURAL AND GENERAL FILL SHOULD MEET THE MATERIAL PROPERTY REQUIREMENTS PER THE GEOTECHNICAL REPORT.

TRENCH PREPARATION AND BACKFILL:

UTILITY TRENCHES SHOULD BE EFFECTIVELY SEALED TO RESTRICT WATER INTRUSION AND FLOW THROUGH THE TRENCHES. TRENCH BACKFILL MATERIAL SHOULD BE PLACED AND COMPACTED TO COMPLY WITH THE WATER CONTENT AND COMPACTION RECOMMENDATIONS FOR STRUCTURAL FILL STATED IN THE GEOTECHNICAL REPORT.

EXCAVATIONS:

AS A MINIMUM, EXCAVATIONS SHOULD BE PERFORMED IN ACCORDANCE WITH OSHA 29 CFR, PART 1926, SUBPART P, "EXCAVATIONS" AND ITS APPENDICES, AND IN ACCORDANCE WITH ANY APPLICABLE LOCAL, AND/OR STATE REGULATIONS.

LEGEND

BUILDING LINE	
EXISTING CURB TO REMAIN	
PROPOSED CURB	
PROPOSED LANDSCAPING	
PROPOSED ASPHALT	
PROPOSED CONCRETE	
PROPOSED PERVIOUS PAVERS	

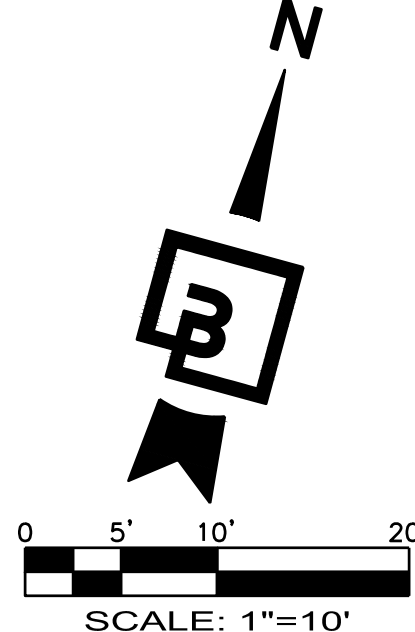
CONSTRUCTION NOTES:

- FACILITATE STORM DRAINAGE DOWNSPOUT CONNECTION: INSTALL 2" PVC SIDEWALK UNDERDRAINS PER DETAIL 1/C4.2. REFER TO DETAIL 1/C4.2 FOR GRATE SPECIFICATIONS. WHERE TRENCH DRAINS FLOW TO LANDSCAPING, CONTRACTOR TO CREATE DEPRESSION TO FACILITATE DRAINAGE FLOW.
- CONTRACTOR TO MATCH EXISTING GRADES & FLOW LINE. CONTRACTOR TO CONFIRM ELEVATIONS AND CONSTRUCT IMPROVEMENTS SHOWN TO MATCH EXISTING. IT MAY BE NECESSARY TO ADJUST ELEVATIONS BASED ON EXISTING CONDITIONS. NOTIFY ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR TO GRADE AREA TO DRAIN.
- GRADE 1" DEPRESSION.
- ADJUST UTILITY BOX TO GRADE.
- CONSTRUCT 8" CURB.
- CONSTRUCT 4" CURB.
- ELEVATIONS BASED ON OVERALL DEVELOPMENT. CONTRACTOR SHALL CONFIRM ELEVATIONS AT SAWCUT AND CONSTRUCT IMPROVEMENTS SHOWN TO MATCH EXISTING AND PROVIDE POSITIVE DRAINAGE. IT MAY BE NECESSARY TO ADJUST ELEVATIONS BASED ON EXISTING CONDITIONS. NOTIFY ENGINEER PRIOR TO CONSTRUCTION.
- CONSTRUCT GRADED SWALE TO FACILITATE DRAINAGE FLOW.
- DURA TRENCH DRAIN. SEE UTILITY PLAN FOR SIZE, INVERT, AND ADDITIONAL INFORMATION.
- INSTALL PRE-CAST CATCH BASIN WITH TREATMENT CONTROL DEVICE TO CATCH BASIN PER DETAIL 13/C4.1 AND DETAIL 14/C4.1. SEE UTILITY PLAN FOR SIZE AND ADDITIONAL INFORMATION.
- CONSTRUCT RETAINING WALL. SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
- GRADED BERM.
- INSTALL PRE-CAST CATCH BASIN WITH TIDEFLEX CHECKMATE INLINE VALVE PER DETAIL 15/C4.1

98TH ST NW

PRIVATE ROAD 'A'

PRIVATE ROAD 'C'



GRADING PLAN
220 98TH STREET NW
ALBUQUERQUE, NM 87121

Title:

DUTCH BROS. COFFEE

For:



Scale:
Horizontal
1" = 10'
Vertical
N/A

Designed: EMM
Drawn: EMM
Checked: AEM
Approved: HPG
Date: 06/16/23

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Job Number
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Ref: 220003

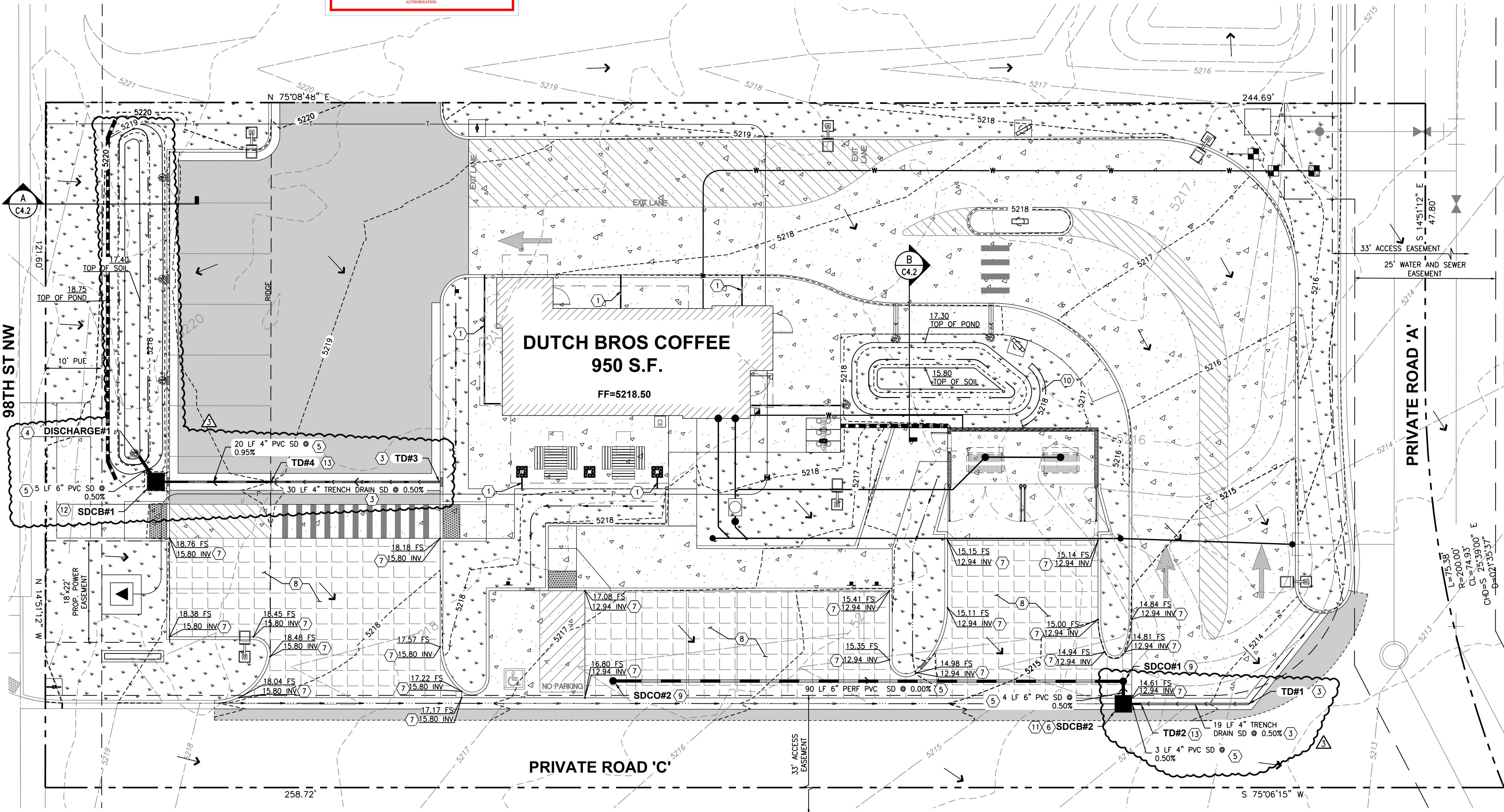
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DUTCH BROS. COFFEE - NM0203, ALBUQUERQUE, NM DRAINAGE PLAN



UTILITY POTHOLING NOTE:
THE CIRCLED LOCATIONS ARE REQUIRED TO BE POTHOLED TO VERIFY VERTICAL AND HORIZONTAL LOCATION OF EXISTING UTILITY AND/OR POTENTIAL CONFLICTS WITH EXISTING UTILITIES. POTHOLING SHALL BE PERFORMED PRIOR TO INSTALLING ANY PROPOSED UTILITIES. CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. OF ANY CONFLICTS.

UTILITY LOCATION NOTE:
WATER LINES, CONDUITS FOR ELECTRICAL, OR OTHER UTILITIES SHALL BE LOCATED SO AS TO NOT CONFLICT WITH REQUIRED TREE LOCATIONS FOR STREETS AND PARKING LOTS.

UTILITY CROSSING NOTE:
CONTRACTOR SHALL MAINTAIN MINIMUM SEPARATION BETWEEN UTILITIES AS REQUIRED BY JURISDICTIONS HAVING AUTHORITY. CONTRACTOR TO VERIFY SEPARATION REQUIREMENTS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

UTILITY CONFLICT NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

STORMWATER STRUCTURES TABLE	
DISCHARGE#1, IE=5217.40 (6" SE)	TD#2, RIM=5214.51 IE=5213.14 (4" W)
SDCB#1, RIM=5218.75 IE=5217.43 (4" E) IE=5217.43 (6" NW)	TD#3, RIM=5218.12 IE=5217.77
SDCB#2, RIM=5214.61 IE=5213.12 (4" E) IE=5213.12 (6" N)	TD#4, RIM=5219.00 IE=5217.62 IE=5217.62 (4" W)
SDCO#1, RIM=5214.74 IE=5213.10 (6" W) IE=5213.10 (6" S)	
SDCO#2, RIM=5216.76 IE=5213.10 (6" E)	
TD#1, RIM=5213.71 IE=5213.23	

DRAINAGE SUMMARY TABLE								
EXISTING CONDITIONS								
			Q100, PEAK			Q100, 24 HR		
BASIN	AREA	RUNOFF (C)	TC (MIN)	i (100-YR) (IN/HR)	Q100 (CFS)	TC (MIN)	i (100-YR) (IN/HR)	Q100 (CFS)
A-1	24,445 SF (0.56 AC)	0.47	5	6.46	1.70	1440	0.10	0.03
TOTAL = 0.56 AC								
PROPOSED CONDITIONS								
			Q100, PEAK				Q100, 24 HR	
BASIN	AREA	RUNOFF (C)	TC (MIN)	i (100-YR) (IN/HR)	Q _{UNDETAINED} (CFS)	Q _{DETAINED} (CFS)	TC (MIN)	i (100-YR) (IN/HR)
A-1	5,782 SF (0.13 AC)	0.76	5	6.46	0.64	0.00	1440	0.10
A-2	5,061 SF (0.12 AC)	0.79	5	6.46	0.61	0.00	1440	0.10
A-3	2,451 SF (0.06 AC)	0.76	5	6.46	0.29	0.00	1440	0.10
A-4	11,782 SF (0.27 AC)	0.82	5	6.46	1.43	0.00	1440	0.10
TOTAL			25,076 SF (0.57 AC)			Q _{DETAINED} (CFS) 1		
						0.01		
						0.01		
						0.00		
						0.00		

NOTE:
1) REFER TO STORMWATER CONTROL PLAN FOR DETENTION CALCULATIONS

STORM DRAIN GENERAL NOTES:

- ALL STRUCTURE ELEVATIONS SHOWN ARE TO CENTER OF STRUCTURE AT FINISH SURFACE (TOP OF ASPHALT OR TOP OF CONCRETE PAVEMENT, NOT TOP OF CURB/SIDEWALK) UNLESS OTHERWISE NOTED.
- ALL STORM DRAINAGE STRUCTURES EXPOSED TO TRAFFIC SHALL BE TRAFFIC RATED INCLUDING STRUCTURE, LID, GRATE, ETC.
- ALL STORM DRAIN PIPING DENOTED AS "PVC" SHALL CONFORM TO ASTM D3034, SDR 35.
- ALL STORM DRAIN PIPING DENOTED AS "DIP" SHALL BE CLASS 52 MEETING ANSI/AWWA C151/A21.51.
- ALL STORM PIPING INSTALL WITH LESS THAN 2 FEET OF COVER SHALL BE BACKFILLED WITH A CONTROLLED DENSITY FILL (SLURRY).
- ALL STORM DRAINAGE STRUCTURES WITH LIDS EXPOSED TO PEDESTRIAN TRAFFIC SHALL BE HEEL PROOF AND SLIP RESISTANT IN ACCORDANCE WITH ACCESSIBILITY REQUIREMENTS.
- PROVIDE ALL INCIDENTAL FITTINGS, BENDS, WYES, TEES, COUPLINGS, GASKETS, ETC. REQUIRED TO CONSTRUCT THE INFRASTRUCTURE DEPICTED.
- ALL TRENCHING SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE PURVEYOR.
- PROVIDE MARKING TAPE AND LOCATE WIRE WITH ALL TRENCH INSTALLATIONS.
- CONTRACTOR TO OBTAIN ANY NECESSARY RIGHT-OF-WAY PERMITS IF REQUIRED FOR WORK SHOWN ON PLANS.
- CONTRACTOR TO RAISE AND ADJUST ALL EXISTING AND PROPOSED CATCH BASIN RIMS TO FINAL GRADE AS NECESSARY. CATCH BASINS WITH ADA ACCESSIBLE PATHS SHALL BE ADJUSTED TO FINAL ELEVATIONS IN COMPLIANCE WITH CURRENT ADA REQUIREMENTS.

STORM DRAIN CONSTRUCTION NOTES:

- STORM DRAINAGE DOWNSPOUT CONNECTION. FACILITATE CONNECTION TO 2" PVC SIDEWALK UNDERDRAIN, SEE DETAIL 1/C4.2.
- INSTALL 24" x 24" PRECAST CATCH BASIN WITH GRATED LID, SEE DETAIL 3/C4.2. RIM ELEVATION AND INVERTS AS NOTED IN THE STORM STRUCTURE TABLE. CATCH BASINS LOCATED IN TRAFFIC AREAS SHALL BE TRAFFIC RATED LIDS/GRATES.
- INSTALL 4" PRECAST "DURA TRENCH" TRENCH DRAIN (MODEL DTP4-HDBP0825A) WITH CUSTOM DEPTH WITH 5" DUCTILE IRON SLOTTED GRATE MODEL 058240F PER DETAIL 4/C4.2. INSTALL FLUSH TO FINISH GRADE WITH NO VERTICAL CHANGES OVER 1/4". REFER TO GRADING PLAN AND UTILITY PLAN FOR ADDITIONAL INFORMATION. COORDINATE WITH MANUFACTURER PRIOR TO CONSTRUCTION.
- INSTALL STORM DRAINAGE DISCHARGE MITERED END DRAIN; WHITE IN COLOR WITH ENERGY DISSIPATING RIPRAP; SIZE 4"-6" AREA 12"x12" MINIMUM. CONTRACTOR SHALL DAYLIGHT AS REQUIRED.
- INSTALL PVC STORM PIPING, SLOPES, AND ELEVATIONS PER PLAN.
- INSTALL 18" x 18" PRECAST CATCH BASIN WITH GRATED LID. SEE DETAIL 3/C4.2. RIM ELEVATION AND INVERTS AS NOTED IN THE STORM STRUCTURE TABLE. CATCH BASINS LOCATED IN TRAFFIC AREAS SHALL BE TRAFFIC RATED LIDS/GRATES.
- BOTTOM OF RESERVOIR/STONE SUBBASE SECTION OF PERVIOUS PAVERS. INVERT OF RESERVOIR SHALL NOT EXCEED 2% TO ALLOW FOR EVEN DISTRIBUTION AND INFILTRATION OF STORM WATER.
- INSTALL PERVIOUS PAVERS PER DETAIL 12/C4.1
- INSTALL STORM CLEANOUT PER DETAIL 4/C4.1
- GRADED BERM. SEE GRADING PLAN FOR ADDITIONAL INFORMATION.
- INSTALL TREATMENT CONTROL DEVICE TO CATCH BASIN PER DETAIL 13/C4.1 AND DETAIL 14/C4.1
- INSTALL 18" x 18" PRECAST CATCH BASIN (DETAIL 3/C4.2) WITH GRATED LID WITH 4" TIE FLEX CHECKMATE INLINE VALVE WITH DOWNSTREAM CLAMP OR EQUIVALENT PER DETAIL 7/C4.2 ON INLET PIPE PER DETAIL 15/C4.1. RIM ELEVATION AND INVERTS AS NOTED IN THE STORM STRUCTURE TABLE. CATCH BASINS LOCATED IN TRAFFIC AREAS SHALL BE TRAFFIC RATED LIDS/GRATES.
- CONNECT STORM DRAIN TO TRENCH DRAIN WITH TRENCH DRAIN END PLATE WITH OUTLET PIPE FITTING. INVERT AND RIM ELEVATIONS PER STRUCTURE TABLE. CONTRACTOR TO COORDINATE WITH DURATRENCH PRIOR TO ORDERING MATERIAL.

PERVIOUS PAVERS NOTE:

- ALL SPOT ELEVATIONS SHOWN HAVE BEEN "TRUNCATED" TO INCREASE VISUAL CLARITY. ALL ELVATIONS ARE PLUS 5200', e.g. 5216.05 = 16.05
- STANDARD ELEVATION: 5216.05
TRUNCATED ELEVATION: 16.05
- INV - INVERT OR BOTTOM OF GRAVEL/RESERVOIR
FS - FINISH SURFACE OF PAVERS

LEGEND	
BUILDING LINE	////
EXISTING CURB TO REMAIN	=====
PROPOSED CURB	=====
PROPOSED LANDSCAPING
PROPOSED ASPHALT
PROPOSED CONCRETE
PROPOSED PERVIOUS PAVERS
DRAINAGE FLOW	→

DRAINAGE PLAN
220 98TH STREET NW
ALBUQUERQUE, NM 87121

Title:

For:

Scale:
Horizontal 1" = 10'
Vertical N/A

Designed: EMM
Drawn: EMM
Checked: AEM
Approved: HPG
Date: 06/16/23

Job Number: 22187
Sheet: C3-2
Refranchising: USA, LLC

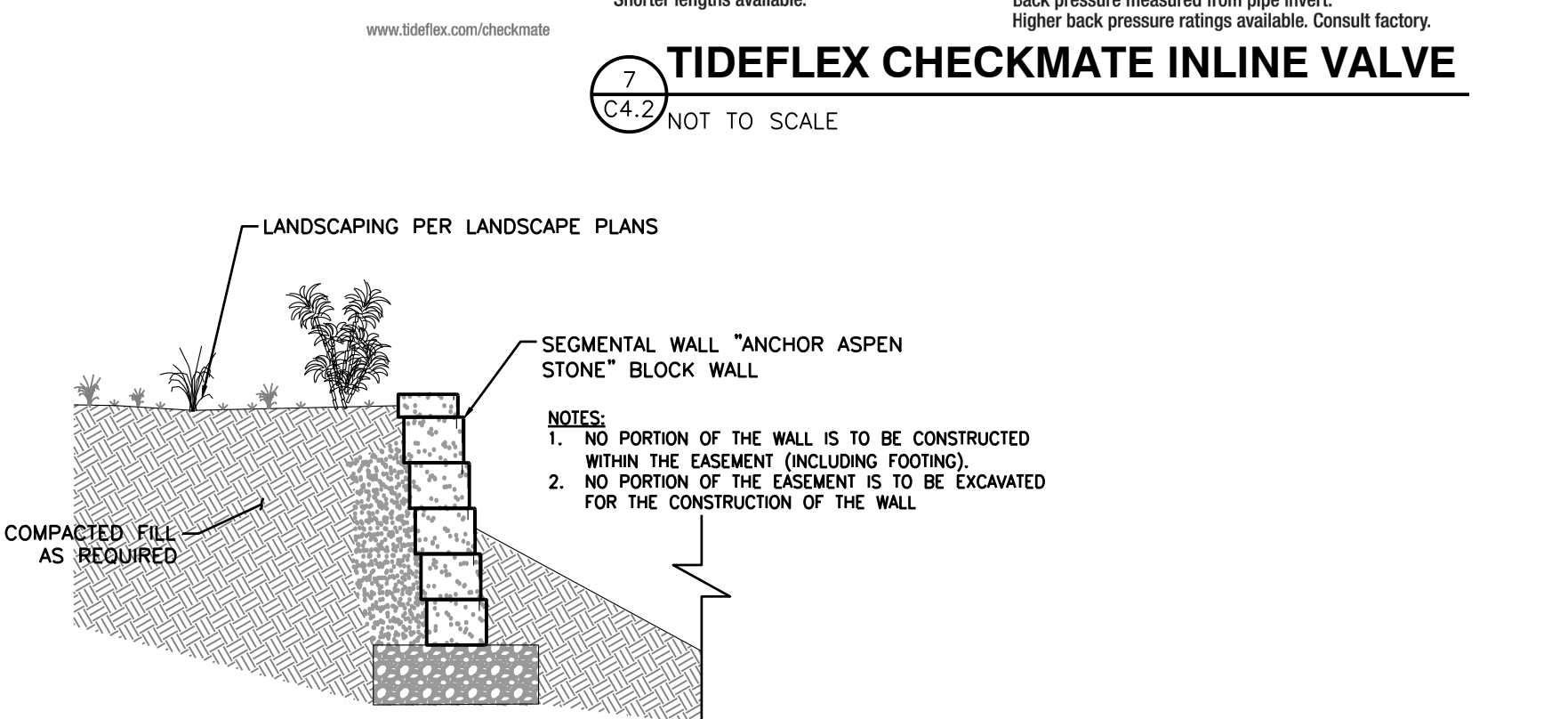
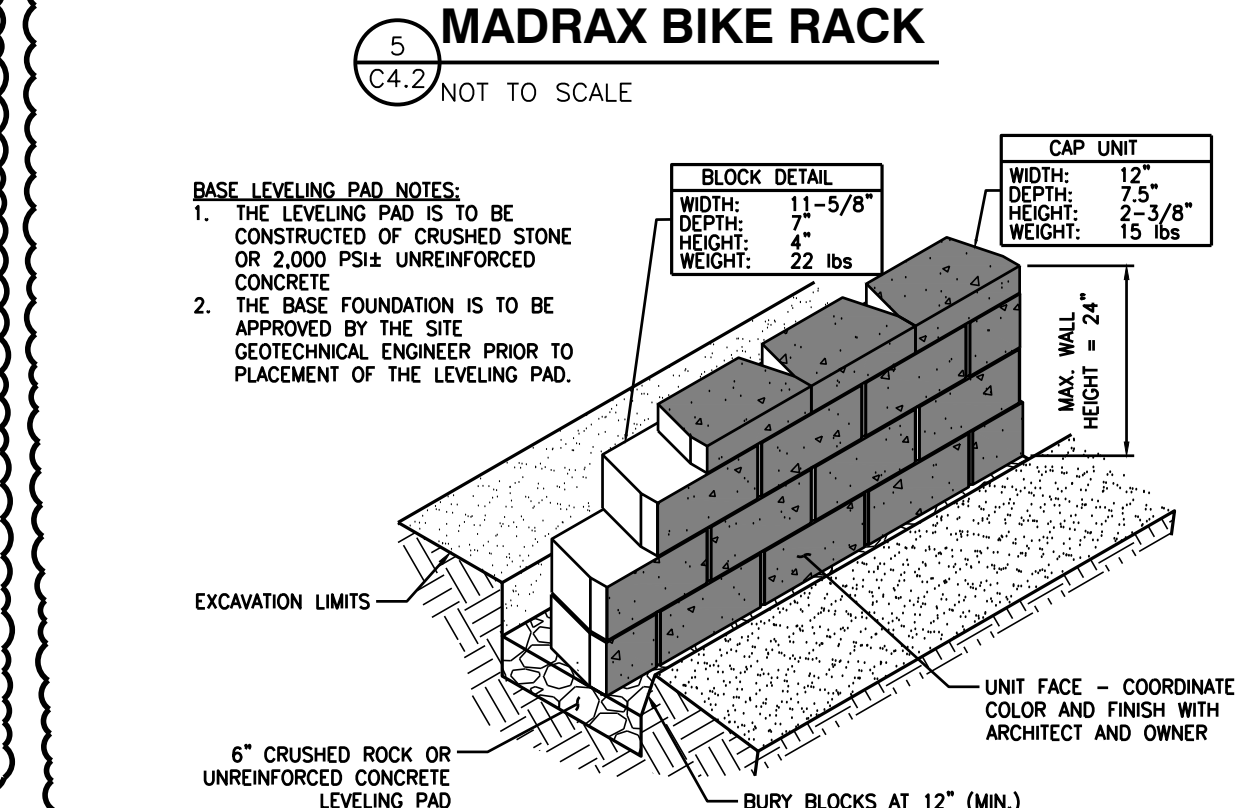
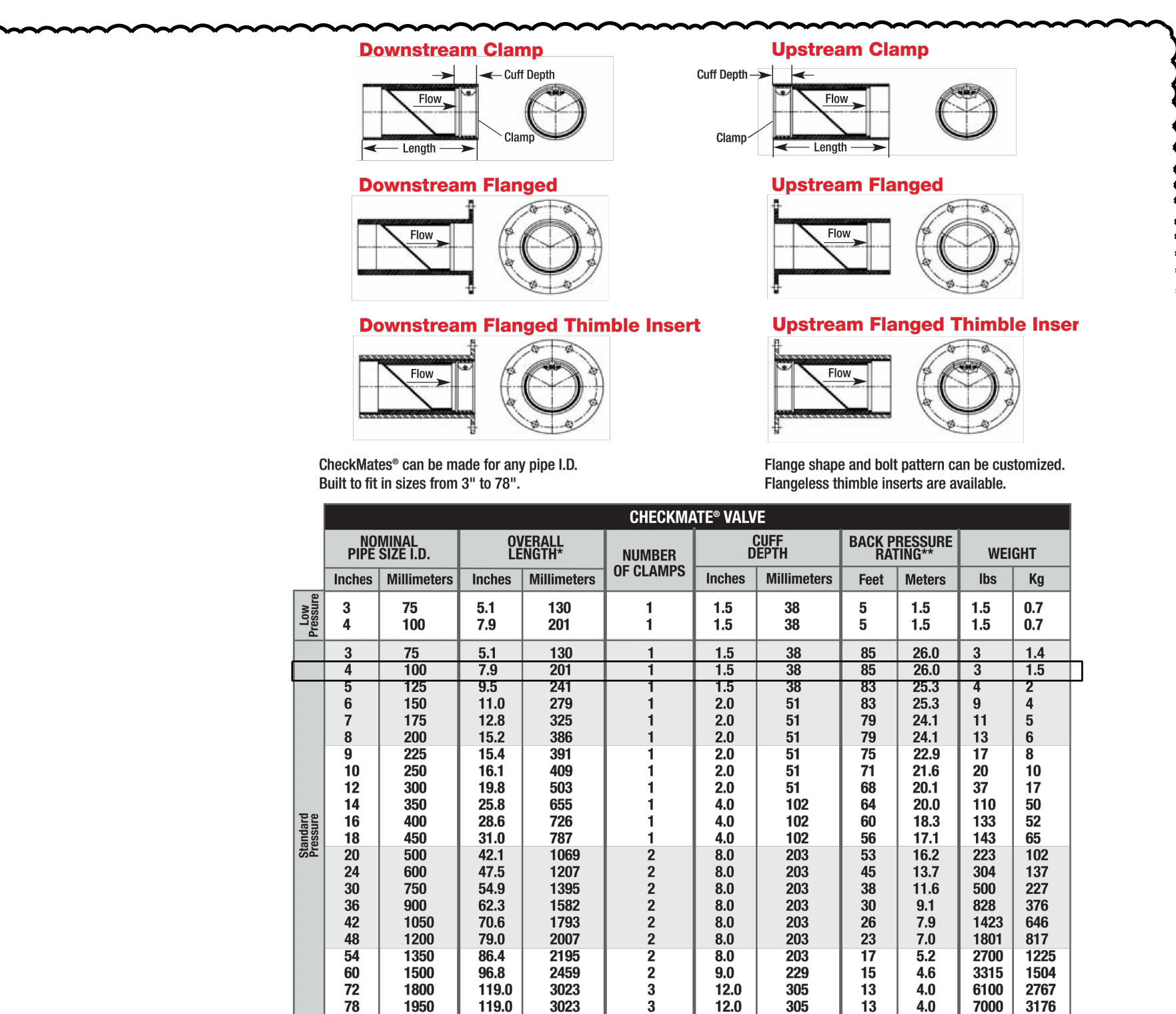
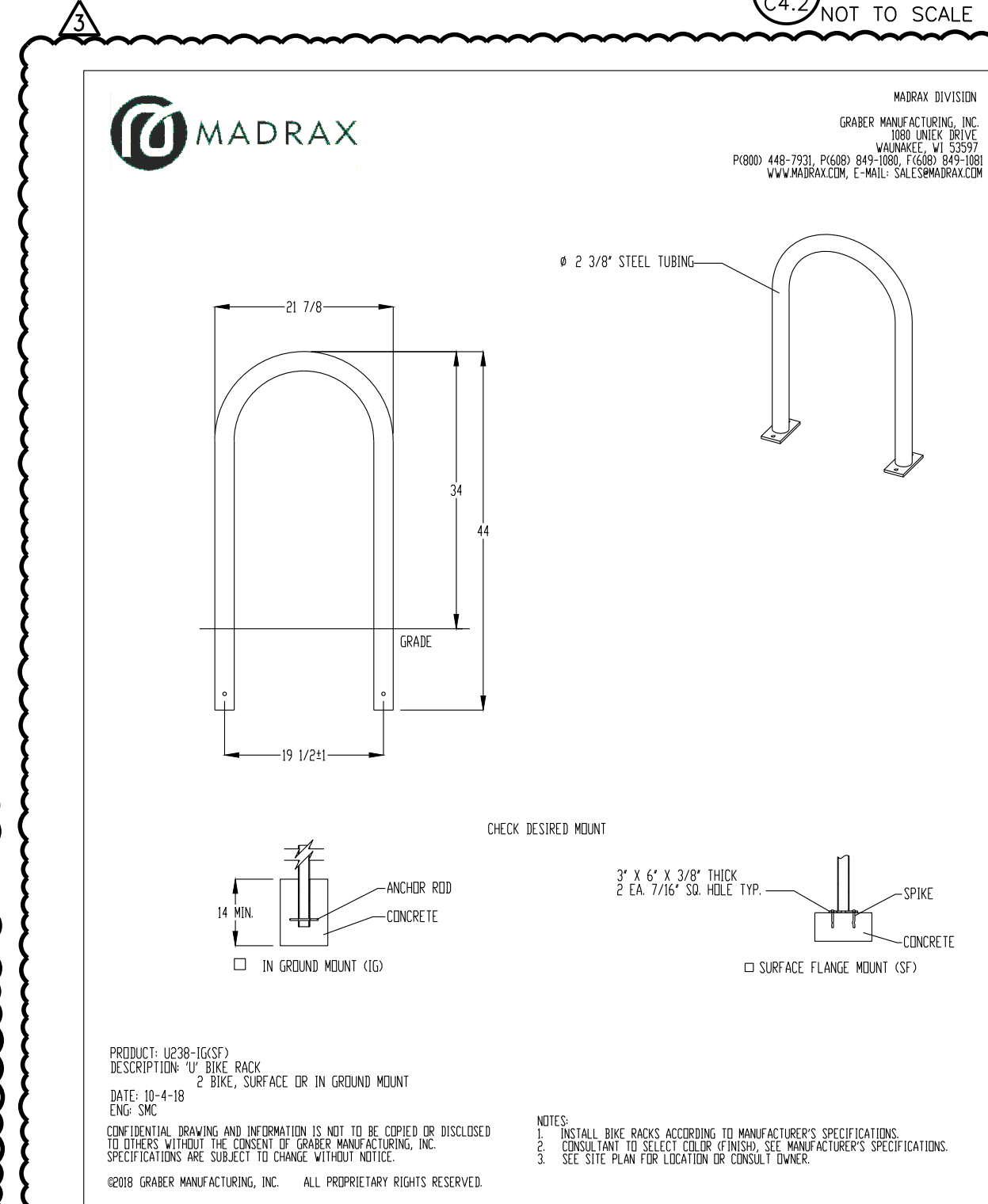
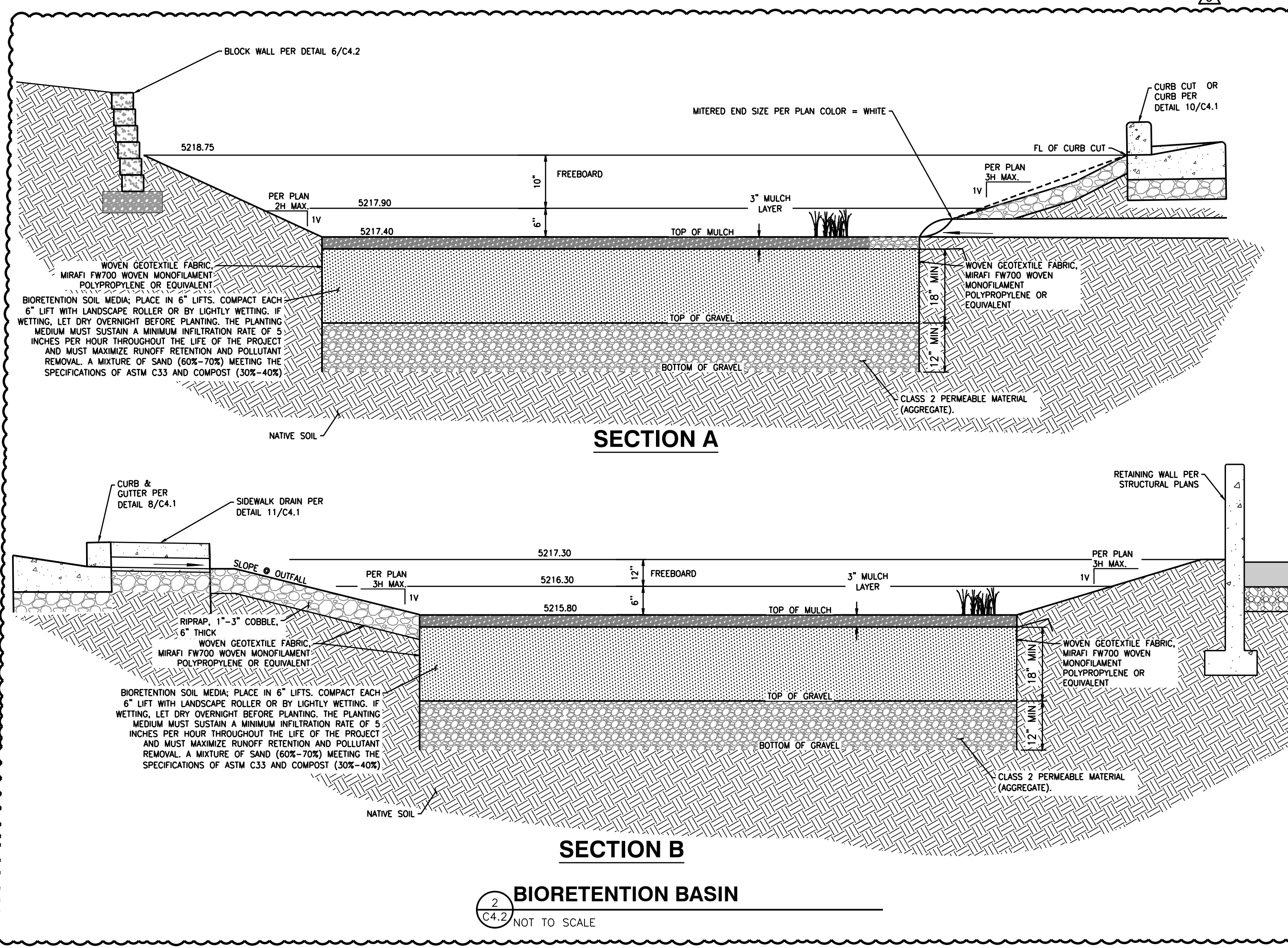
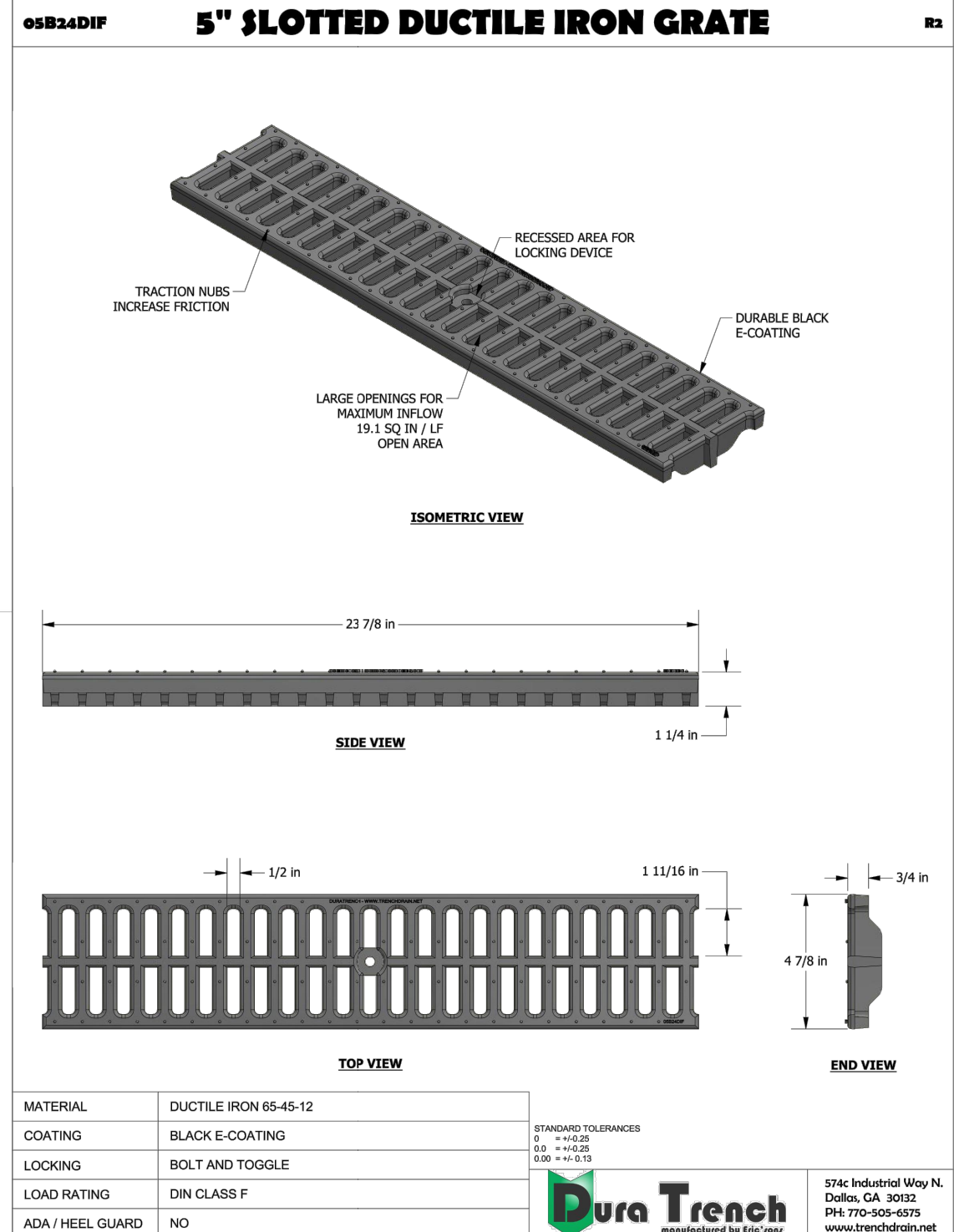
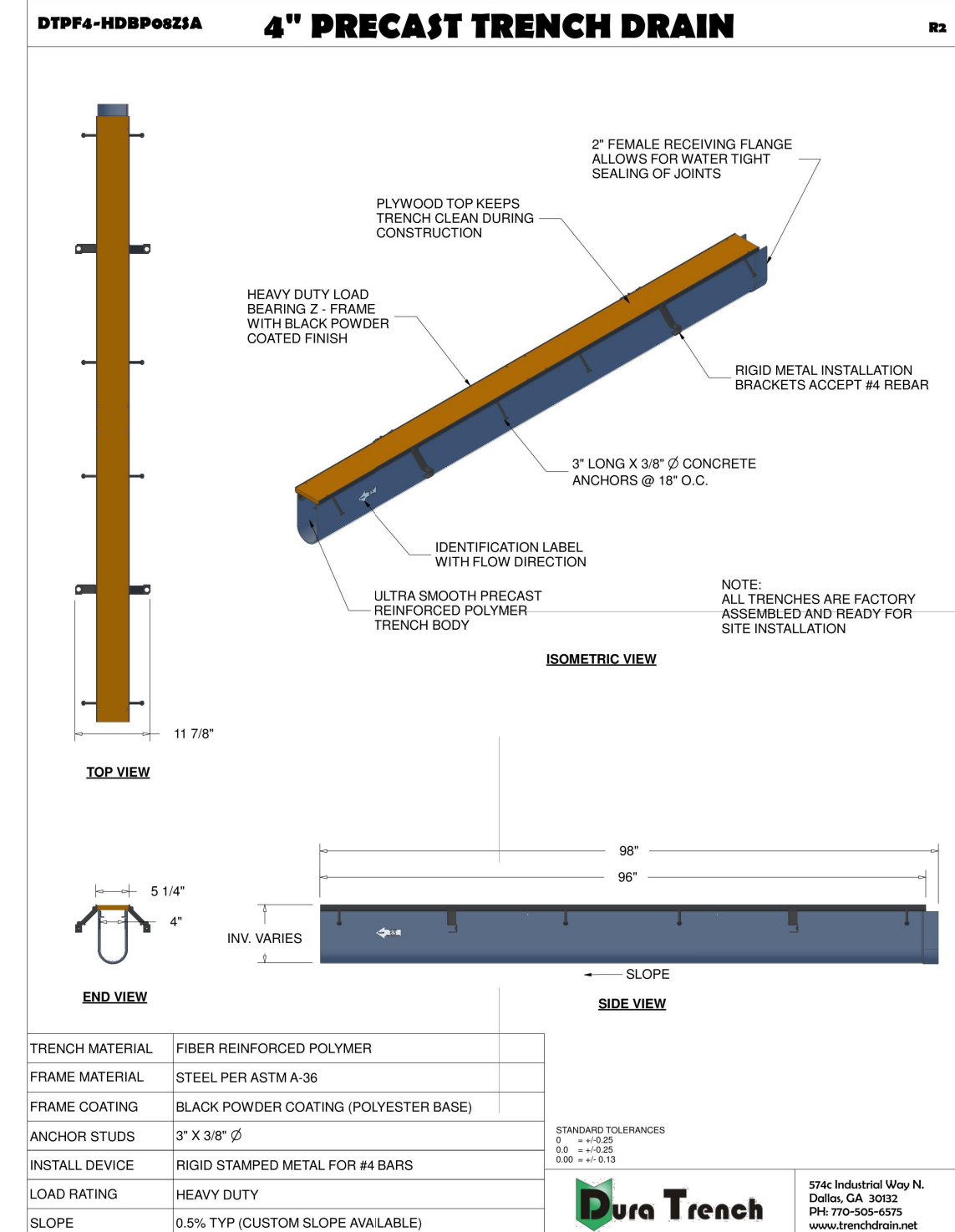
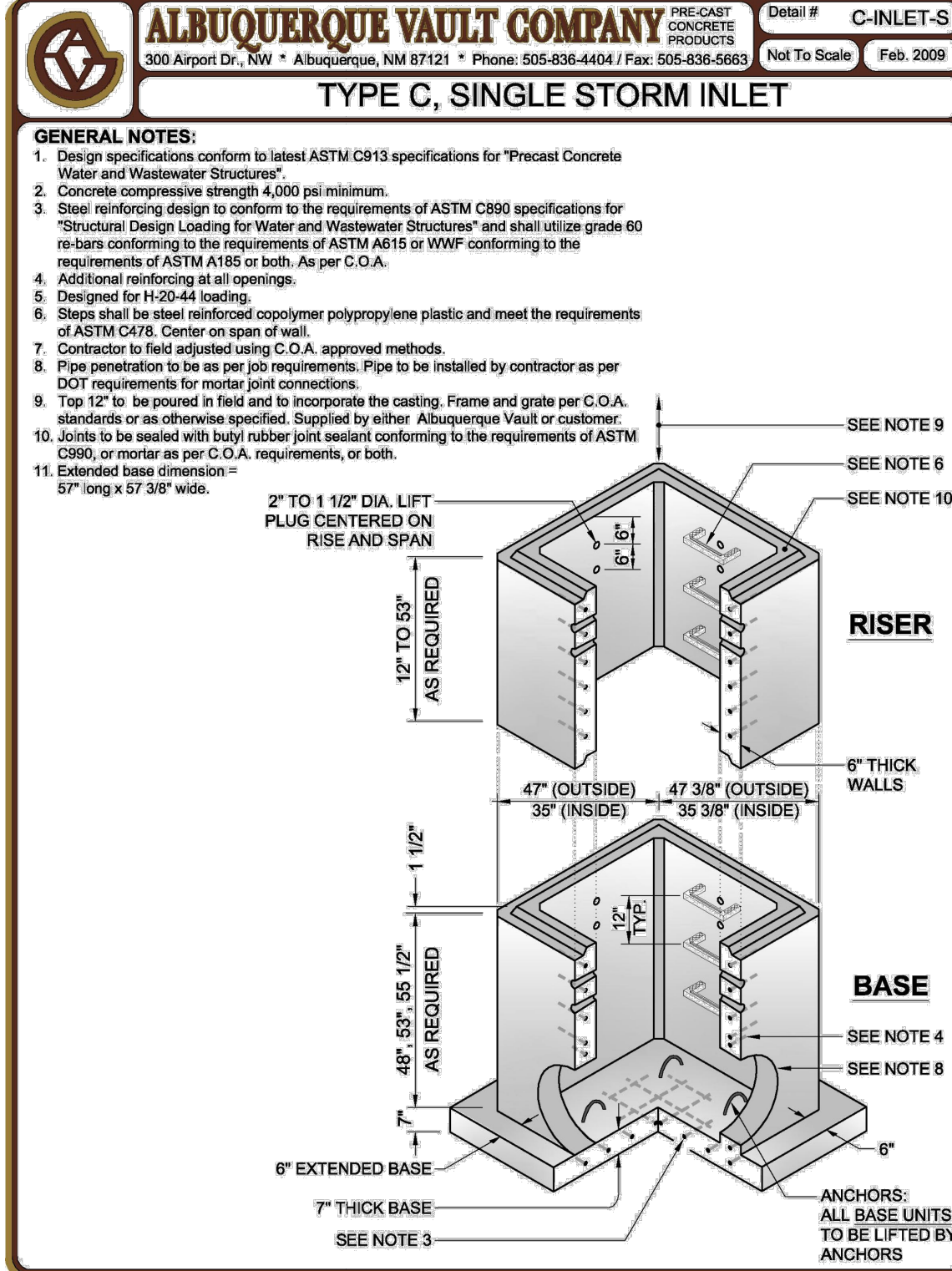
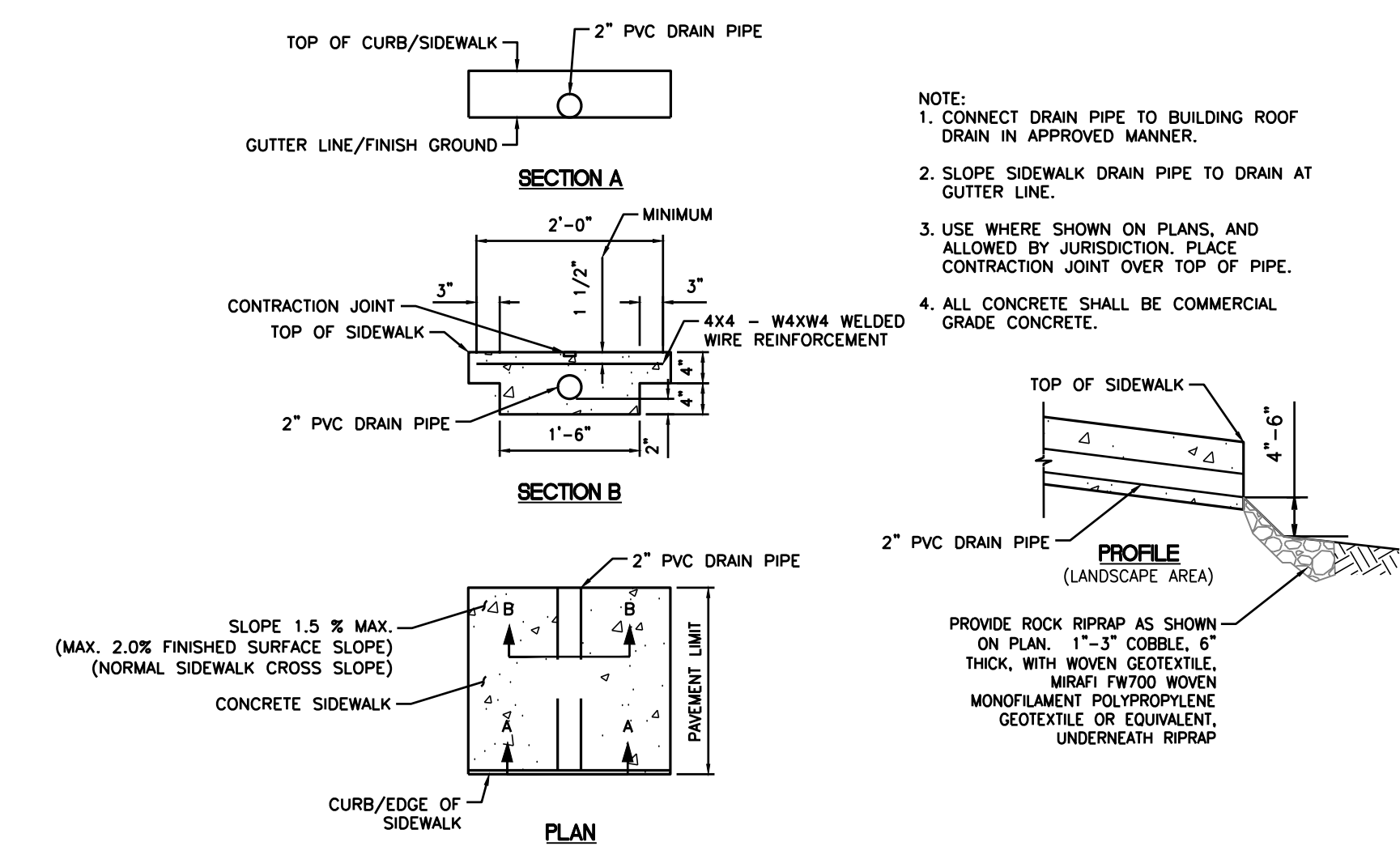
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18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

6/19/2023 5:37 PM EMMQUEL

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DUTCH BROS. COFFEE - NM0203, ALBUQUERQUE, NM

CIVIL DETAILS



CIVIL DETAILS

220 98TH STREET NW

ALBUQUERQUE, NM 87121

22187

Sheet

C4.2

2019 DB

Franchising USA, LLC

Job Number

22187

Sheet

C4.2

2019 DB

Franchising USA, LLC

For:

RAY P. GRUBB

NEW MEXICO

25249

PROFESSIONAL ENGINEER

06/20/23

Scale:

Horizontal

N/A

Vertical

N/A

Designed

Drawn

Checked

Approved

Date

06/16/23

Barghausen Consulting Engineers, Inc.

18215 172nd Avenue South

Kent, WA 98032

425.251.6222

barghausen.com

Job Number

22187

Sheet

C4.2

2019 DB

Franchising USA, LLC

Job Number

22187

Sheet

C4.2

2019 DB

Franchising USA, LLC

Job Number

22187

Sheet

C4.2

2019 DB

Franchising USA, LLC