

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

February 1, 2024

Brianna Uy  
Barghausen Consulting Engineers, Inc.  
110 SW 4<sup>th</sup> Street  
Grant Pass, OR 97526

Re: **Dutch Brothers Coffee**  
**220 98<sup>th</sup> St NW**  
**Request for Temporary Certificate of Occupancy**  
Architect's Stamp dated 2/10/2022 (K09D048B)  
Certification dated 2/1/2024

Dear Ms. Uy,

Based solely upon your certification dated 2/1/2024, Transportation Development has no objection to the issuance of a 30-day Temporary Certificate of Occupancy. This letter serves as a "green tag" from Transportation Development for a 30-day Temporary Certificate of Occupancy to be issued by the Building and Safety Division.

Transportation will schedule to perform the site inspection for the issuance of a permanent Certificate of Occupancy as soon as possible. If all the work is completed according to plan we will provide a Permanent Certificate of Occupancy.

If you have any questions, please contact Ernest Armijo at (505) 924-3991 or at [earmijo@cabq.gov](mailto:earmijo@cabq.gov)

Sincerely,

Ernest Armijo, P.E.  
Principal Engineer, Planning Dept.  
Development Review Services

\xxx via: email  
C: CO Clerk, File



# 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

**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: \_\_\_\_\_

## TRAFFIC CERTIFICATION

I, HAL P. GRUBB, NMPE 25249 OF THE FIRM BARGHAUSEN CONSULTING ENGINEERS, INC., HEREBY CERTIFY THAT THIS PROJECT IS IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 2023-02-14. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS 18374, OF THE FIRM CSI-CARTESIAN SURVEYS, INC. I FURTHER CERTIFY THAT I HAVE REVIEWED SITE PICTURES OF THE PROJECT SITE AND CONTRACTOR REDLINES AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATION OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE TRAFFIC ASPECTS OF THIS PROJECT. THOSE RELYING ON THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

  
\_\_\_\_\_  
Signature of Engineer or Architect



2/1/2024  
\_\_\_\_\_  
Date



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

AS-BUILT RECORD DRAWING

THIS AS-BUILT RECORD DRAWING WAS  
PREPARED FROM INFORMATION PROVIDED  
BY THE CONTRACTOR ON THIS PROJECT.  
BARGHAUSEN CONSULTING ENGINEERS, INC.  
DOES NOT PROVIDE ANY WARRANTY AS TO  
THE ACCURACY OR COMPLETENESS OF SUCH  
INFORMATION PROVIDED BY OTHERS.



1/31/2024

GENERAL SITE NOTES:

1. THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
2. CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWING PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. BARGHAUSEN CONSULTING ENGINEERS, INC. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
6. INSPECTION OF SITE WORK WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE GOVERNING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.
7. PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). CONTRACTOR SHALL PROVIDE ONE WEEK MIN. ADVANCE NOTIFICATION TO OWNER, FIELD ENGINEER AND ENGINEER OF PRE-CONSTRUCTION MEETINGS.
8. THE CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED.
10. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATIONAL WITHIN THE CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
11. TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO BARGHAUSEN CONSULTING ENGINEERS, INC. AT COMPLETION OF PROJECT.
12. CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL CONTROL FOR ALL NEW IMPROVEMENTS. STAKING CONTROL SHALL BE TAKEN FROM ELECTRONIC PLAN FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, INC.
13. CONTRACTOR SHALL REQUEST FROM BARGHAUSEN CONSULTING ENGINEERS, INC., PRIOR TO ANY CONSTRUCTION STAKING OR CONSTRUCTION WORK, A FORMAL CONSTRUCTION RELEASE PLAN SET OR SPECIFIC RELEASE IN WRITING. THE APPROVED AGENCY PERMIT DRAWINGS WILL NOT BE CONSIDERED CONSTRUCTION RELEASE PLANS BY BARGHAUSEN CONSULTING ENGINEERS, INC. UNLESS BARGHAUSEN CONSULTING ENGINEERS, INC. HAS GIVEN A FORMAL WRITTEN RELEASE OR ISSUED A CONSTRUCTION RELEASE PLAN SET.

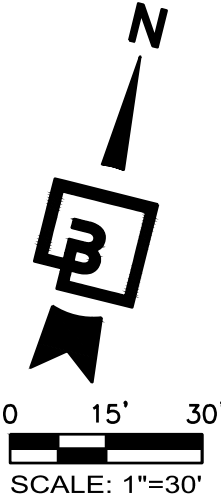
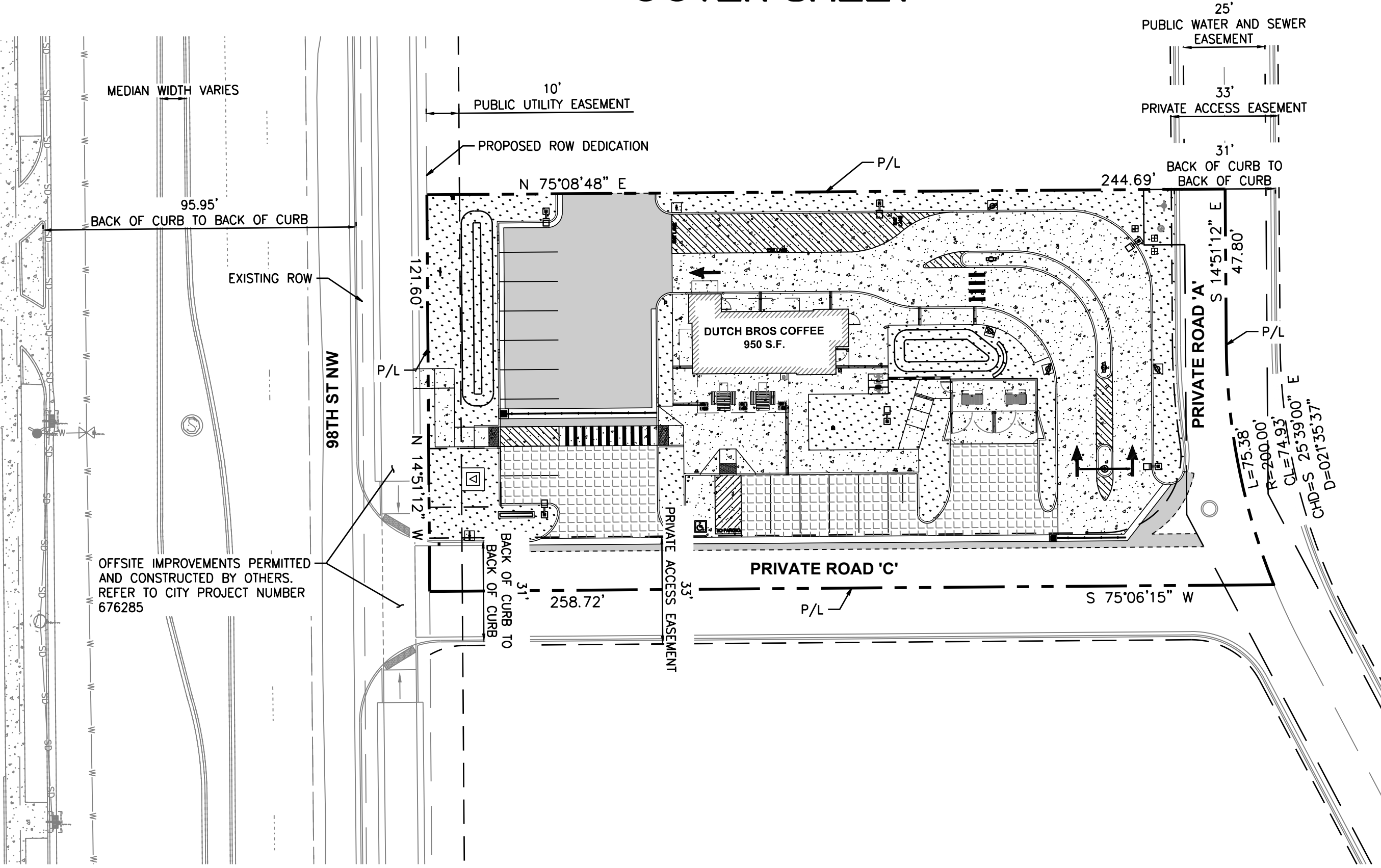
GEOTECHNICAL REPORT NOTES:

1. THE FOLLOWING GEOTECHNICAL REPORTS FOR THE SITE SHALL BE CONSIDERED PART OF THESE CONSTRUCTION DOCUMENTS:

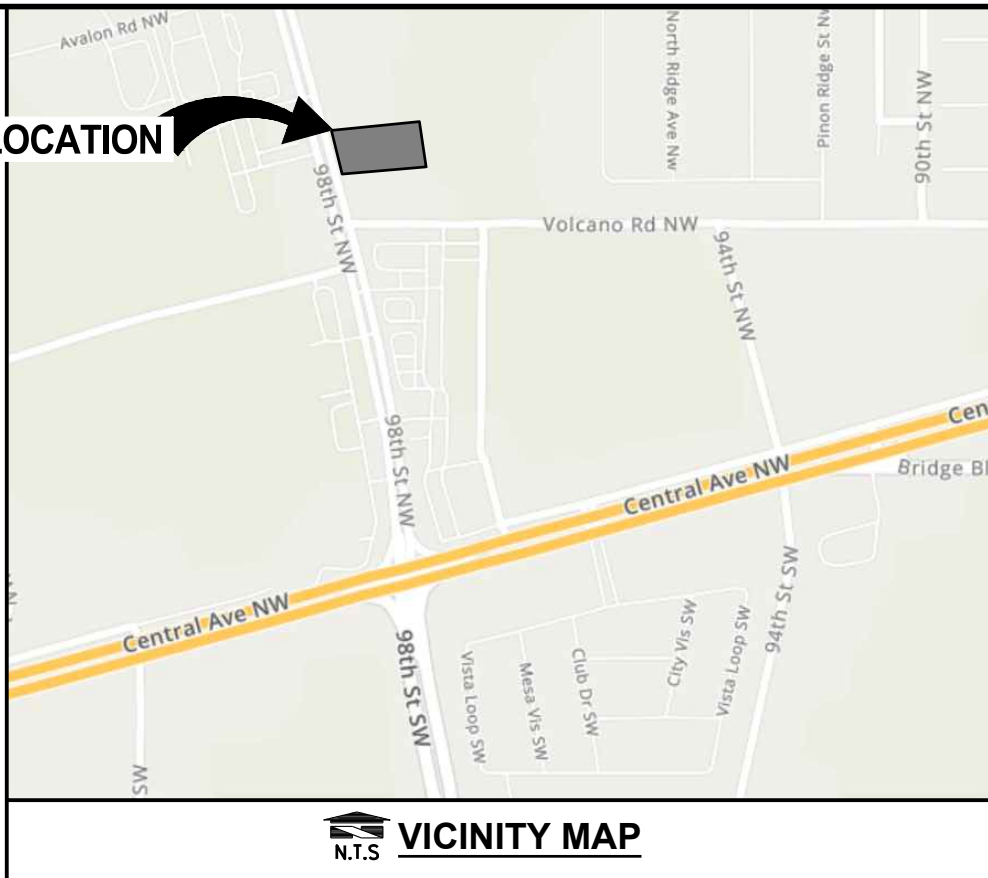
GEOTECHNICAL INVESTIGATION  
TERRACON CONSULTANTS, INC  
PROJECT NO. 66215273  
DATE: MARCH 23, 2022  
6805 ACADEMY PKWY WEST NE  
ALBUQUERQUE, NM 87109

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF THE SITE PREPARATION, GRADING OPERATIONS, FOUNDATION, SLAB, AND PAVING CONSTRUCTION.
3. ANY PROVISIONS OF THE SOILS REPORT WHICH CONFLICT WITH INFORMATION SHOWN ELSEWHERE ON THESE DRAWINGS, OR WHICH REQUIRE FURTHER CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR DETERMINATION.
4. A REPRESENTATIVE OF THE SOILS ENGINEER SHALL BE AVAILABLE TO OBSERVE AND APPROVE THE EARTHWORK OPERATIONS AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS. THE SOILS ENGINEER SHALL SUBMIT FIELD REPORTS CERTIFYING THAT THE METHODS AND MATERIALS OF THE EARTHWORK OPERATIONS WERE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATION AND THAT THE WORK WAS PERFORMED TO HIS/HER SATISFACTION.
5. THE SOILS ENGINEER SHOULD BE NOTIFIED AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY SITE CLEARING OR GRADING.

DUTCH BROS. COFFEE - NM0203, ALBUQUERQUE, NM  
COVER SHEET



SITE LOCATION



OWNER

RSDGP, LLC  
9601 TOPEKA AVE  
LUBBOCK, TX 79424  
TEL: (806) 470-3944  
CONTACT: BEAU TUCKER

DEVELOPER

DUTCH BROS COFFEE  
110 SW 4TH STREET  
GRANTS PASS, OR 97526  
TEL: (916) 765-7270  
CONTACT: RUSS ORSI

ENGINEER

BARGHAUSEN CONSULTING ENGINEERS, INC.  
18215 72ND AVE. SOUTH  
KENT, WA 98032  
TEL: (425) 251-6222  
CONTACT: HAL P. GRUBB, P.E.

LANDSCAPE ARCHITECT

EVERGREEN DESIGN GROUP  
15455 DALLAS PARKWAY, SUITE 600  
ADDISON, TX 75001  
TEL: (800) 680-6630  
CONTACT: LAWRENCE M. LESSER, R.L.A.

SURVEYOR

CSI-CARTESIAN SURVEYS INC.  
P.O. BOX 44414  
RIO RANCHO, NM 87174  
(505) 896-3050  
CONTACT: WILL PLOTNER JR., PLS

BUILDING ARCHITECT

GNICH ARCHITECTURE STUDIO  
1001 SE SANDY BOULEVARD, SUITE 100  
PORTLAND, OR 97214  
TEL: (503) 552-9079  
CONTACT: DUSTIN HENION

GEOTECHNICAL

TERRACON CONSULTANTS, INC  
6805 ACADEMY PKWY WEST NE  
ALBUQUERQUE, NM 87109  
TEL: (505) 797-4287  
CONTACT: STENSON D. LEE

CITY ENGINEERING

CITY OF ALBUQUERQUE  
600 SECOND ST NW  
ALBUQUERQUE NM 87102  
TEL: (505) 768-3830

MONUMENT PROTECTION NOTE:

ALL EXISTING SURVEY MONUMENTS ARE TO BE PRESERVED PER NEW MEXICO REVISED STATUTES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT MONUMENTS ARE PROPERLY PROTECTED AND/OR PERPETUATED. IF ANY OF THE MONUMENTS ARE DISTURBED OR ARE NEAR THE AREA OF CONSTRUCTION, A LICENSED SURVEYOR MUST CONFIRM THAT THE MONUMENTS HAVE BEEN PROTECTED AND/OR PERPETUATED AND THE APPROPRIATE DOCUMENTATION HAS BEEN RECORDED. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM ANY JURISDICTIONS HAVING AUTHORITY FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY. UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

HORIZONTAL CONTROL NOTE:

CONTRACTOR SHALL HAVE ALL PROPERTY LINES, CURB, SIDEWALK, STRUCTURES, CONCRETE PADS AND ANY OTHER ABOVE GROUND PERMANENT STRUCTURE DEPICTED ON THESE PLANS STAKED FOR CONSTRUCTION BY A LICENSED SURVEYOR. LICENSED SURVEYOR SHALL STAKE ALL ITEMS USING COORDINATE GEOMETRY (RECTIFIED TO SITE CONTROL) CONTAINED IN CAD DRAWING FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, INC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RETRIEVE LATEST CAD FILES FROM BARGHAUSEN CONSULTING ENGINEERS, INC., REFLECTING ANY ISSUED PLAN REVISIONS. BARGHAUSEN CONSULTING ENGINEERS SHALL IMMEDIATELY BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

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 POTHOLES THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POTHOLES 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.

BENCHMARK:

ACS MONUMENT "7\_K9"  
ELEVATION = 5140.082 FEET, NAVD 88 DATUM

LEGAL DESCRIPTION:

THE LAND IS DESCRIBED AS FOLLOWS:  
TRACT NUMBERED TWELVE, PLAT OF TRACTS 1 THROUGH 12, OF AVALON SUBDIVISION UNIT 5, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

EXISTING TOPOGRAPHY / SURVEY INFORMATION NOTE:

AN A.L.T.A./N.S.P.S. LAND TITLE SURVEY DATED OCTOBER 27, 2021; PERFORMED BY CSI-CARTESIAN SURVEYS AND HAS BEEN PROVIDED TO BARGHAUSEN CONSULTING ENGINEERS, INC. BARGHAUSEN CONSULTING ENGINEERS, INC. HAS NOT VERIFIED THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. SITE DESIGN HAS BEEN BASED ON ABOVE REFERENCED SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER TO HAVE ALL IMPROVEMENTS FIELD VERIFIED PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF BARGHAUSEN CONSULTING ENGINEERS, INC. IMMEDIATELY.

FLOOD ZONE:

THE FLOOD ZONE DESIGNATION FOR THE SUBJECT PROPERTY IS ZONE X, ACCORDING TO FLOOD INSURANCE RATE MAP NUMBER 3500100328J, EFFECTIVE DATE NOVEMBER 04, 2016. AREAS TO BE DETERMINED BY F.E.M.A. TO BE AN AREA OF MINIMAL FLOOD HAZARD.

MASTER DEVELOPER NOTE:

THE MASTER DEVELOPER IS RESPONSIBLE FOR INSTALLING THE ADJACENT PRIVATE ROADS.

UTILITY CONNECTION NOTE:

ALL PRIVATE AND PUBLIC STORM SEWER CONNECTIONS MUST BE INSPECTED BY AN ENGINEERING DEVELOPMENT REVIEW INSPECTOR.

TCL SHEET LIST	
Sheet Number	Sheet Title
C1.0	COVER SHEET
1 OF 2	ALTA-NSPS LAND TITLE SURVEY
2 OF 2	ALTA-NSPS LAND TITLE SURVEY
C2.0	SITE PLAN
C2.1	HORIZONTAL CONTROL PLAN
C2.2	DELIVERY TRUCK ROUTE EXHIBIT
C3.0	GRADING PLAN
C4.0	CIVIL DETAILS
C4.1	CIVIL DETAILS
C4.2	CIVIL DETAILS

TRAFFIC CIRCULATION LAYOUT  
APPROVED  
M. P. R. E. 2/14/2023

ESTIMATED EARTHWORK QUANTITIES:

CUT: 555 CY  
FILL: 400 CY  
NET: 155 CY (EXPORT)  
AREA TO BE DISTURBED = 0.57 ACRES

- THE QUANTITIES LISTED DO INCLUDE PROPOSED PAVING SECTIONS AS LISTED BY THE GEOTECHNICAL ENGINEER.
- EARTHWORK QUANTITIES ARE APPROXIMATE AND DO NOT ACCOUNT FOR CLEARING AND GRUBBING, TRENCHING, OR OVER EXCAVATION ETC. AS REQUIRED BY THE GEOTECHNICAL REPORT.
- THE CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING SITE CONDITIONS AND CALCULATE THEIR OWN EARTH WORK QUANTITIES FOR THE PROJECT PRIOR TO BID
- EARTHWORK QUANTITIES DO NOT INCLUDE GRIND AND OVERLAY QUANTITIES

- CONTRACTOR SHALL REFER TO THE GEOTECHNICAL INVESTIGATION REPORT FOR THIS SITE DATED: MARCH 23, 2022  
PREPARED BY: TERRACON CONSULTANTS, INC.

LEGEND:

PROPOSED	EXISTING
C&G - CATCH	CURB
C&G - SPILL	PAINT STRIPE
CONCRETE	CONTOUR
ASPHALT	WATER
SAWCUT	SANITARY
CONTOUR	STORM
WATER	GAS
WATER METER	OVERHEAD POWER
WATER METER VAULT	YARD LIGHT
STORM	UTILITY POLE
SANITARY	JUNCTION BOX (AS NOTED)
GAS	CATCH BASIN
POWER	STORM DRAIN INLET
PAINT STRIPE	GAS METER
CLEANOUT	WATER VALVE (WV)
SITE LIGHT	FIRE HYDRANT(FH)
SITE SIGN(S)	WATER METER
	SIGN

COVER SHEET  
220 98TH STREET NW  
ALBUQUERQUE, NM 87121

Title:

DUTCH BROS.  
Coffee

For:



02/10/2022

Scale:  
Horizontal  
1" = 30'  
Vertical  
N/A

Designed: JAH  
Drawn: JAH  
Checked: JAH  
Approved: HPG  
Date: 06/03/22

Barghausen  
Consulting Engineers, Inc.  
18215 72nd Avenue South  
Kent, WA 98032  
425.251.6222  
barghausen.com

Job Number  
22187

Sheet  
C10  
2019 DB  
Franchising USA, LLC



"The name DUTCH BROS. and all associated logos, distinctive designs, content, information, and other materials featured, displayed, contained herein, and made available by Dutch Bros., including but not limited to, the "look and feel" of the establishments and products, all text, images, colors, configurations, graphics, designs, illustrations, photographs, and pictures (collectively, the "Materials") are owned by and/or licensed by DB Franchising USA, LLC and are protected by copyright, trademark, trade dress, patent, and/or other intellectual property rights and unfair competition laws under the United States and foreign laws."



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

#### AS-BUILT RECORD DRAWING

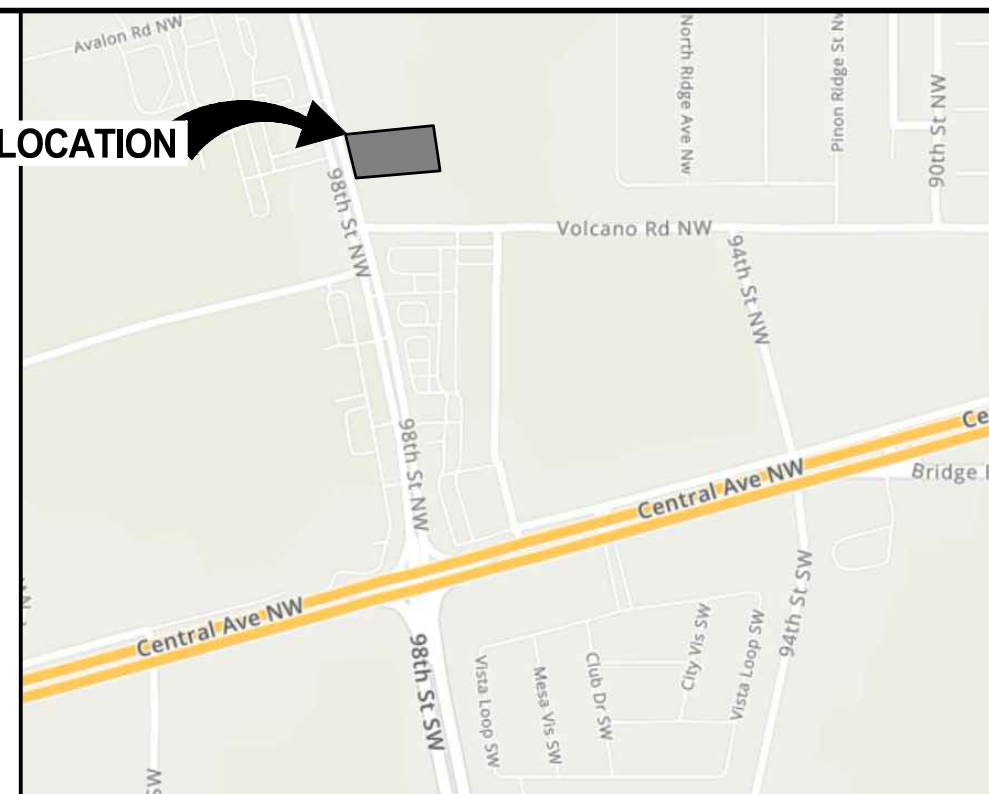
THIS AS-BUILT RECORD DRAWING WAS PREPARED FROM INFORMATION PROVIDED BY THE CONTRACTOR ON THIS PROJECT. BARGHAUSEN CONSULTING ENGINEERS, INC. DOES NOT PROVIDE ANY WARRANTY AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION PROVIDED BY OTHERS.



# DUTCH BROS. COFFEE - NM0203, ALBUQUERQUE, NM

## SITE PLAN

SITE LOCATION



VICINITY MAP

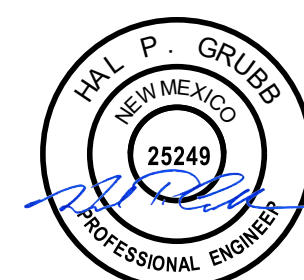
SITE PLAN

220 98TH STREET NW  
ALBUQUERQUE, NM 87121

Title:

DUTCH BROS

For:

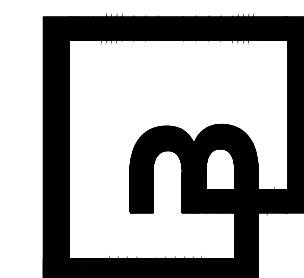


02/10/2022

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

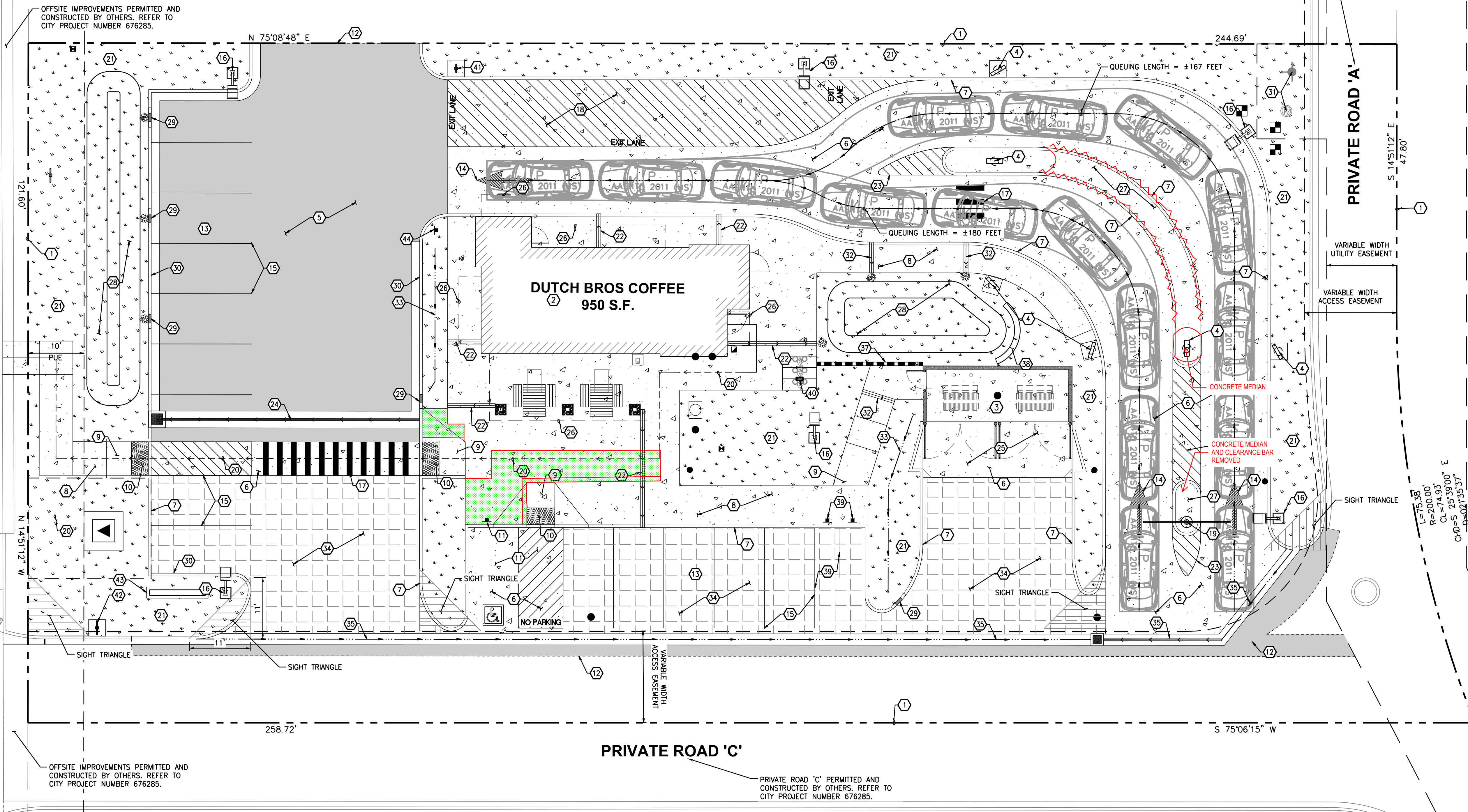
Designed JAH  
Drawn JAH  
Checked JAH  
Approved HFC  
Date 06/03/23

Barghausen Consulting Engineers, Inc.  
18215 72nd Avenue South  
Kent, WA 98032  
425-251-6222  
barghausen.com



Job Number 22187  
Sheet C2.0  
2019 DB  
Franchising USA, LLC

P:\22000s\22187\Engineering\22187-A-TCL.dwg 2/10/2023 9:05 AM ENGUEL



#### LEGEND

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



R5-1 SIGN

NOT TO SCALE

#### SIGHT DISTANCE NOTE

LANDSCAPING, SIGNAGE, TREES, AND SHRUBBERY BETWEEN 3 FEET AND 8 FEET TALL (AS MEASURED FROM THE GUTTER PAN) ARE NOT ALLOWED WITHIN THE CLEAR SIGHT TRIANGLE.

#### PARKING NOTE

NO CONTRACTOR OR EMPLOYEE MAY STORE, OR PERMIT TO BE STORED, A COMMERCIAL OR CONSTRUCTION VEHICLE/TRUCK, OR PERSONAL VEHICLE, TRUCK, OR OTHER PERSONAL PROPERTY ON PUBLIC-RIGHT-OF-WAY OR OTHER PUBLIC PROPERTY WITHOUT PERMISSION OF THE CITY ENGINEER.

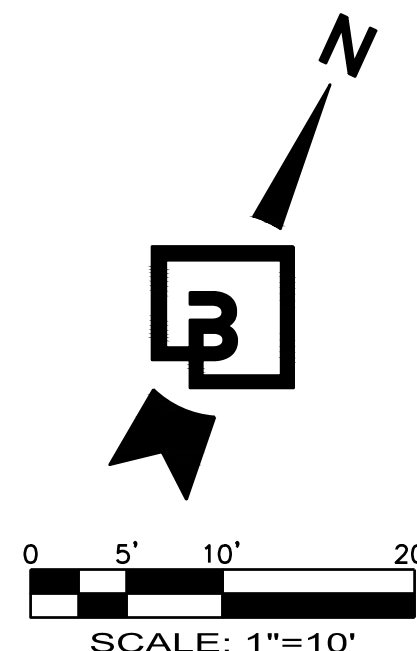
#### TEMPORARY WORK EASEMENT NOTE:

CLIENT TO OBTAIN TEMPORARY WORK EASEMENT AGREEMENT; COORDINATE WITH ADJACENT PROPERTY OWNER, PRIOR TO CONSTRUCTION OF ANY OFF-SITE WORK.

TRAFFIC CIRCULATION LAYOUT  
APPROVED  
MRE-RE 2/14/2023

#### ACCESSIBLE SITE REQUIREMENTS:

WALKING SURFACES SHALL BE CONTINUOUSLY ACCESSIBLE. ALL WALKWAYS MUST BE A MINIMUM 48" IN WIDTH, HAVE A MAXIMUM 1.5% CROSS SLOPE, AND SHALL HAVE RAMPS COMPLYING WITH ACCESSIBILITY STANDARDS (SECTION 11B-405) WHERE NECESSARY TO CHANGE ELEVATION AT A LONGITUDINAL SLOPE EXCEEDING 5% (1:20). CURB RAMPS WHERE PROVIDED SHALL COMPLY WITH ACCESSIBILITY REQUIREMENTS (SECTION 11B-406) AND BE PROVIDED WITH A CONTINUOUS 36" WIDE DETECTABLE WARNING STRIP MEETING ACCESSIBILITY REQUIREMENTS (SECTION 11B-705) SHALL BE PLACED WHERE A WALK CROSSES OR ADJOINS A VEHICULAR WAY AND IS NOT SEPARATED BY A CURB, RAILING, OR OTHER ELEMENT MEETING ACCESSIBILITY STANDARDS.



#### CONSTRUCTION NOTES:

- EXISTING PROPERTY LINE, TYPICAL.
- LOCATION OF BUILDING; CONFIRM ALL DIMENSIONS AND REQUIREMENTS WITH ARCHITECTURAL DRAWINGS.
- LOCATION OF TRASH ENCLOSURE WITH CONCRETE PAD; REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
- LOCATION OF DUTCH BROS MENU SIGN; REFER TO ARCHITECTURAL SIGN PLANS FOR ADDITIONAL INFORMATION. CONSTRUCT CONCRETE PAD IF IN LANDSCAPED AREA.
- CONSTRUCT ASPHALT PAVEMENT, SECTION PER DETAIL 1/C4.1, TYPICAL.
- CONSTRUCT CONCRETE PAVEMENT, SECTION PER DETAIL 2/C4.1, TYPICAL.
- CONSTRUCT CONCRETE CURB, PER DETAIL 7/C4.1, TYPICAL.
- CONSTRUCT CONCRETE SIDEWALK, WIDTH VARIES. SECTION PER DETAIL 5 AND 6/C4.1, TYPICAL.
- CONSTRUCT ACCESSIBILITY-COMPLIANT PERPENDICULAR CURB RAMP PER DETAIL 2/C4.0.
- INSTALL DETECTABLE WARNING PER DETAIL 4/C4.0. CONTRACTOR TO FIELD VERIFY SLOPES DO NOT EXCEED 1.5% CROSS SLOPE.
- INSTALL VAN ACCESSIBLE PARKING STALL AND SIGNAGE PER DETAIL 1/C4.0 AND 7/C4.0. REFER TO DETAIL FOR 5/C4.0 FOR INTERNATIONAL SYMBOL OF ACCESSIBILITY. REFER TO DETAIL 6/C4.0 FOR SIGN FOOTINGS.
- APPROXIMATE SAWCUT LIMITS, TYPICAL.
- STANDARD PARKING SPACE, TYPICAL.
- PAINT DIRECTIONAL ARROWS WHERE SHOWN PER DETAIL 3/C4.1, TYPICAL.
- PAINT 4" WIDE WHITE REFLECTIVE PAINT PARKING STALL STRIPES, TYPICAL; ALL STRIPING TO CONFORM WITH AUTHORITY HAVING JURISDICTION REQUIREMENTS.
- SITE LIGHTING. REFER TO STRUCTURAL DRAWINGS FOR LIGHT POLE FOUNDATION REQUIREMENTS; REFER TO PHOTOMETRIC DRAWING FOR POLE AND FIXTURE SPECIFICATIONS.
- PAINT CONTINENTAL STYLE PEDESTRIAN CROSSWALK STRIPING; 1 FOOT WIDE STRIPES AT 2 1/2' FEET ON CENTER.
- PAINT 4" WIDE STRIPED AREA AS SHOWN, 24" O.C. SAFETY WHITE, TYPICAL.
- INSTALL VERTICAL CLEARANCE BAR; REFER TO SIGN PLANS FOR EXACT PLACEMENT AND ADDITIONAL INFORMATION.
- ACCESSIBLE ROUTE. SEE ACCESSIBLE PATH NOTE THIS SHEET.
- LANDSCAPING AREA; REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- INSTALL TRENCH DRAINS PER DETAIL 1/C4.2. SEE GRADING PLAN FOR DETAILS.
- PAINT STRIPING, IN BETWEEN AND 10' BEFORE AND AFTER CONCRETE MEDIAN, STRIPES: 4" WIDE, 24" O.C., @ 45' ANGLE, SAFETY WHITE.
- CONSTRUCT 3" CONCRETE SWALE PER DETAIL 9/C4.1 WITH DURA TRENCH DRAIN PER DETAIL 4/C4.2. SEE GRADING PLAN AND UTILITY PLAN FOR DETAILS.
- PROPOSED TRASH LOADING ZONE, COORDINATE APPROACH AND ORIENTATION OF TRASH ENCLOSURE W/ LOCAL REFUSE SERVICE PROVIDER.
- CANOPY. SEE ARCHITECTURAL PLANS FOR DETAILS. CONFIRM ALL DIMENSIONS AND REQUIREMENTS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- PROPOSED CONCRETE MEDIAN, MIN 4' WIDE.
- STORMWATER DETENTION BASIN PER DETAIL 2/C4.2.
- CONSTRUCT CURB CUT WITH RIP-RAP PER DETAIL 10/C4.1.
- CONSTRUCT CURB AND GUTTER PER DETAIL 8/C4.1.
- EXISTING FIRE HYDRANT AND WATER METER
- CONSTRUCT SIDEWALK THROUGH DRAIN PER DETAIL 11/C4.1.
- GRADED SWALE. SEE GRADING PLAN FOR ADDITIONAL INFORMATION.
- CONSTRUCT PERVIOUS PAVERS PER DETAIL 12/C4.1.
- CONSTRUCT 2' CONCRETE SWALE PER DETAIL 9/C4.1.
- CONSTRUCT 2' CONCRETE SWALE PER DETAIL 9/C4.1 WITH DURA TRENCH PER DETAIL 4/C4.2. SEE GRADING PLAN AND UTILITY PLAN FOR DETAILS.
- CONSTRUCT RETAINING WALL. SEE GRADING PLAN AND STRUCTURAL PLAN FOR ADDITIONAL INFORMATION.
- CONSTRUCT GRADED BERM. SEE GRADING PLAN FOR ADDITIONAL INFORMATION.
- INSTALL MOTORCYCLE PARKING SPACE. SEE DETAIL 15/C4.1 FOR SIGNAGE.
- BICYCLE PARKING SPACE, TYPICAL OF 3, INSTALL "MADRAX" U-TYPE BIKE RACK MODEL NUMBER "U-238" TO BE SURFACE MOUNTED, WITH 3" MINIMUM DEPTH ANCHORS. SEE DETAIL 5/C4.2. COORDINATE COLOR REQUIREMENTS WITH OWNER PRIOR TO ORDERING.
- LOCATION OF DUTCH BROS "EXIT ONLY" SIGN; REFER TO ARCHITECTURAL SIGN PLANS FOR ADDITIONAL INFORMATION. CONSTRUCT CONCRETE PAD IF IN LANDSCAPED AREA.
- LOCATION OF DUTCH BROS "DRIVE THRU" SIGN; REFER TO ARCHITECTURAL SIGN PLANS FOR ADDITIONAL INFORMATION. CONSTRUCT CONCRETE PAD IF IN LANDSCAPED AREA.
- LOCATION OF DUTCH BROS MONUMENT SIGN; REFER TO ARCHITECTURAL SIGN PLANS FOR ADDITIONAL INFORMATION. CONSTRUCT CONCRETE PAD IF IN LANDSCAPED AREA.
- INSTALL "DO NOT ENTER" SIGN R5-1 PER MUTCD STANDARDS.



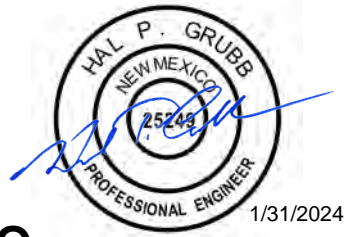
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### HORIZONTAL CONTROL NO. 1

- HORIZONTAL CONTROL DIMENSIONS FOR THE BUILDING ARE SHOWN PARALLEL TO THE PROPERTY LINE FROM THE NORTHWEST PROPERTY CORNER OF THE PARCEL TO THE FACE OF STUD AT THE BUILDING CORNER.
- HORIZONTAL CONTROL DIMENSIONS FOR THE TRASH ENCLOSURE BUILDING ARE SHOWN PARALLEL TO THE PROPERTY LINE FROM THE INTERIOR NORTHWEST PROPERTY CORNER OF THE PARCEL TO THE FACE OF CMU BLOCK AT THE BUILDING CORNER.

# DUTCH BROS. COFFEE - NM0203, ALBUQUERQUE, NM

## HORIZONTAL CONTROL PLAN

SITE LOCATION



### PARCEL LINE TABLE

Line #	Length	Direction
L1	1.50	S14° 51' 11.65"E
L2	121.69	N75° 08' 48.35"E
L3	54.03	S14° 51' 11.65"E
L4	5.82	S14° 51' 11.65"E
L5	15.00	S75° 08' 48.35"W
L6	86.00	S14° 51' 11.65"E
L7	14.89	N75° 08' 48.35"E
L8	54.00	S75° 08' 48.35"W
L9	16.89	S75° 08' 48.35"W
L10	31.10	N14° 51' 11.65"W
L11	15.50	S14° 51' 11.65"E
L12	13.50	N14° 51' 11.65"W
L13	12.22	S14° 51' 11.65"E
L14	71.00	N75° 08' 48.35"E
L15	15.51	N14° 51' 11.65"W
L16	61.10	S14° 51' 11.65"E
L17	7.42	N29° 51' 11.65"W
L18	13.76	S75° 08' 48.35"W
L19	6.97	N14° 51' 11.65"W
L20	6.97	S14° 51' 11.65"E
L21	13.76	N75° 08' 48.35"E
L22	5.00	N14° 51' 11.65"W
L23	5.00	S14° 51' 11.65"E
L25	7.42	N0° 08' 49.41"E
L26	1.92	N75° 08' 48.35"E

### CURVE TABLE

Curve #	Length	Radius	Delta
C1	7.85	5.00	90.00
C2	39.27	25.00	90.00
C3	14.72	5.00	168.65
C4	4.71	3.00	90.00
C5	5.24	3.00	100.04
C6	13.96	10.00	79.96
C7	7.85	5.00	90.00
C8	11.28	25.00	25.84
C9	11.28	25.00	25.84
C10	39.27	25.00	90.00
C11	5.92	15.00	22.62
C12	4.70	2.00	134.76
C13	5.92	15.00	22.62
C14	13.15	15.00	50.22
C15	6.80	3.00	129.78
C16	6.70	3.00	128.05
C17	9.07	10.00	51.95
C18	7.85	2.50	180.00
C19	47.12	30.00	90.00
C20	7.85	2.50	180.00
C21	39.27	25.00	90.00
C22	7.85	2.50	180.00
C23	7.85	2.50	180.00

### HORIZONTAL CONTROL NOTE:

CONTRACTOR SHALL HAVE ALL CURB, SIDEWALK, STRUCTURES, CONCRETE PADS AND ANY OTHER ABOVE GROUND PERMANENT STRUCTURE DEPICTED ON THESE PLANS STAKED FOR CONSTRUCTION BY A LICENSED SURVEYOR. LICENSED SURVEYOR SHALL STAKE ALL ITEMS USING COORDINATE GEOMETRY (RECTIFIED TO SITE CONTROL) CONTAINED IN CAD DRAWING FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, INC. IT IS THE CONTRACTORS RESPONSIBILITY TO RETRIEVE LATEST CAD FILES FROM BARGHAUSEN CONSULTING ENGINEERS REFLECTING ANY ISSUED PLAN REVISIONS.



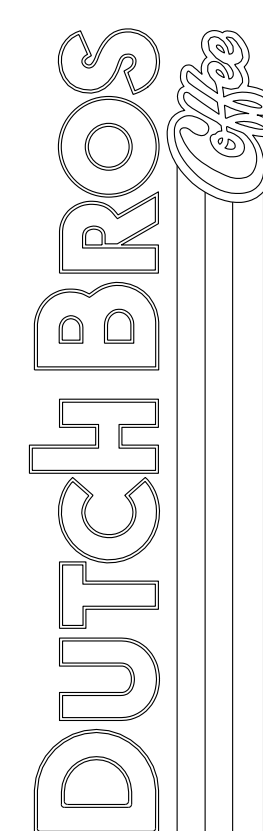
TRAFFIC CIRCULATION LAYOUT  
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2/14/2023

### LEGEND

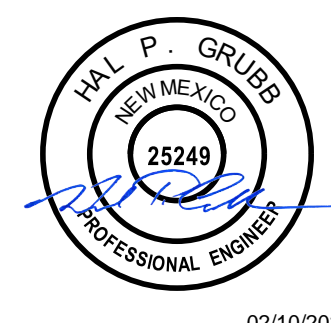
BUILDING LINE	
EXISTING CURB TO REMAIN	
PROPOSED CURB	
PROPOSED LANDSCAPING	
PROPOSED ASPHALT	
PROPOSED CONCRETE	
PROPOSED PERVIOUS PAVERS	

**HORIZONTAL CONTROL PLAN**  
220 98TH STREET NW  
ALBUQUERQUE, NM 87121

Title:



For:

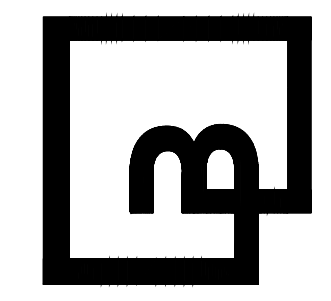


Scale:

Horizontal 1" = 10'  
Vertical N/A

Designed JAH  
Drawn JAH  
Checked JAH  
Approved HPG  
Date 06/03/23

**Barghausen Consulting Engineers, Inc.**  
18215 72nd Avenue South  
Kent, WA 98032  
425.251.6222  
[barghausen.com](http://barghausen.com)



Job Number  
**22187**  
Sheet  
**C2.1**  
2019 DB  
Franchising USA, LLC



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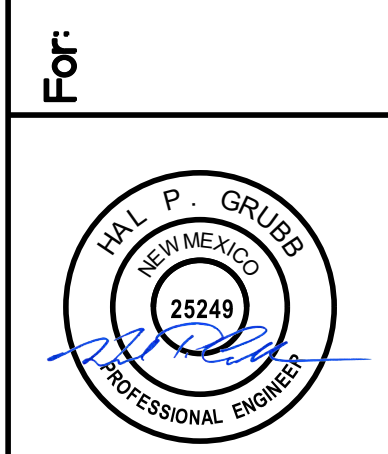
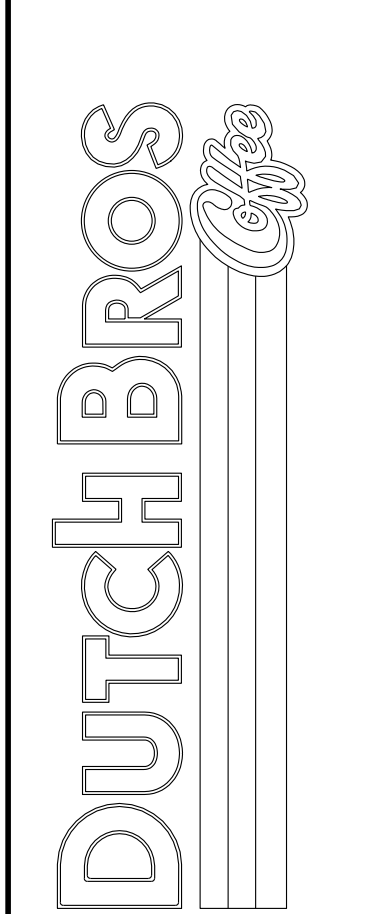


# DUTCH BROS. COFFEE - NM0203, ALBUQUERQUE, NM

## DELIVERY TRUCK ROUTE EXHIBIT



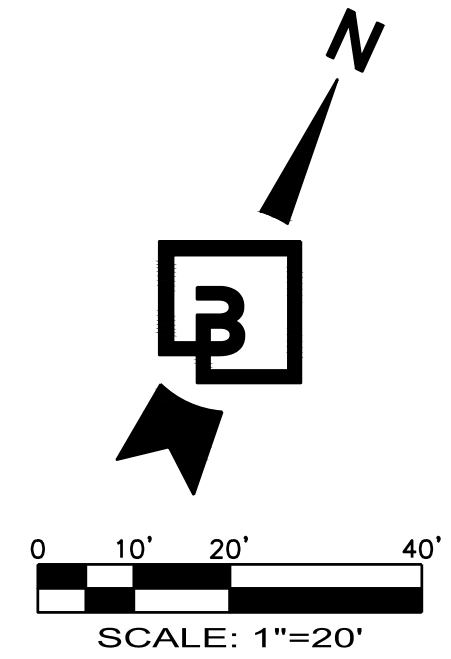
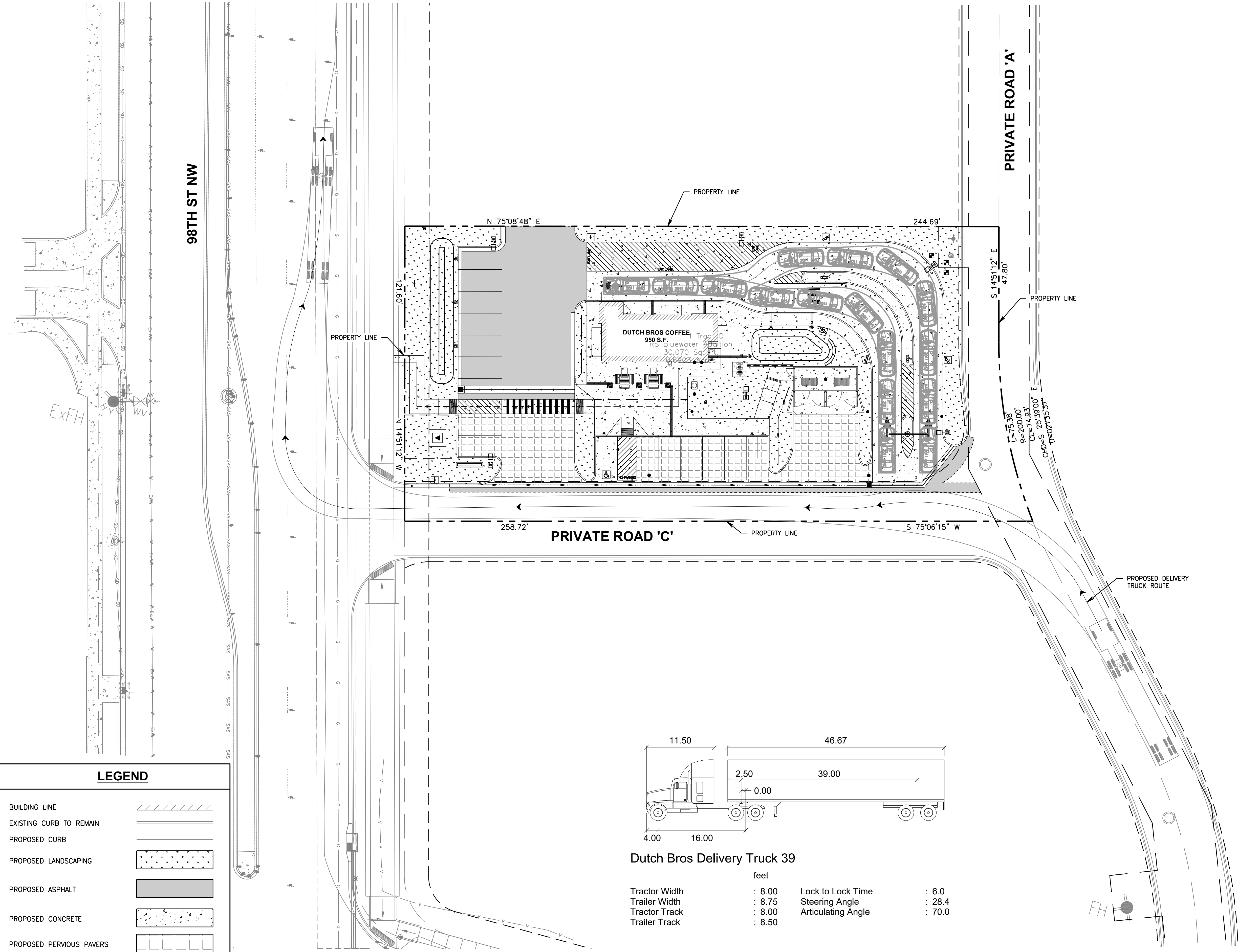
Title: DELIVERY TRUCK ROUTE EXHIBIT  
220 98TH STREET NW  
ALBUQUERQUE, NM 87121



Scale: Horizontal 1" = 20' Vertical N/A  
Designed: JAH Draw: JAH Checked: JAH Approved: HPG Date: 06/03/23

Barghausen Consulting Engineers, Inc.  
18215 72nd Avenue South  
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425.251.6222 [barghausen.com](http://barghausen.com)

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M. R. E.



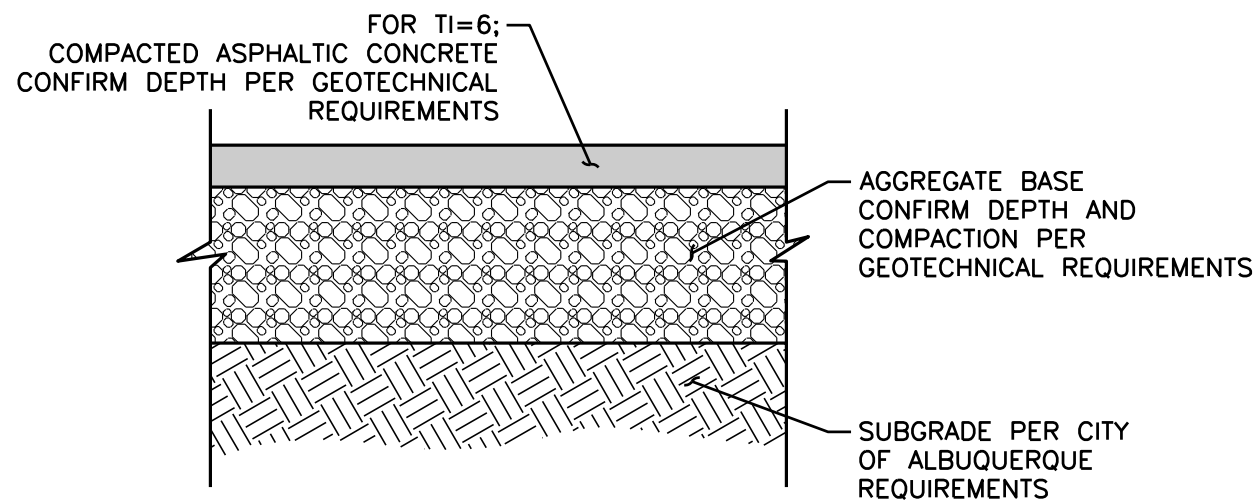
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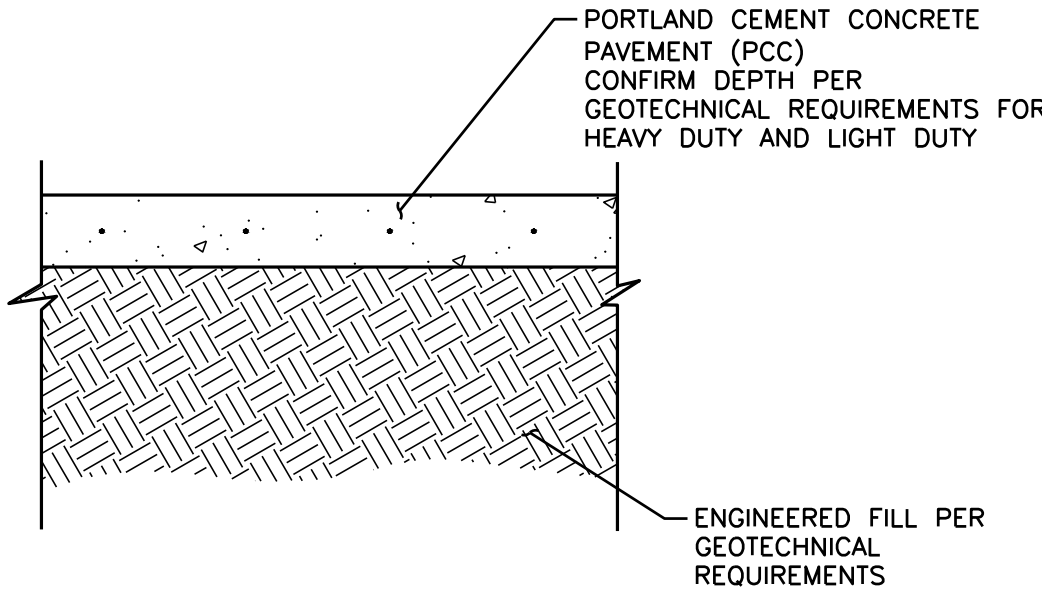


# DUTCH BROS. COFFEE - NM0203, ALBUQUERQUE, NM CIVIL DETAILS



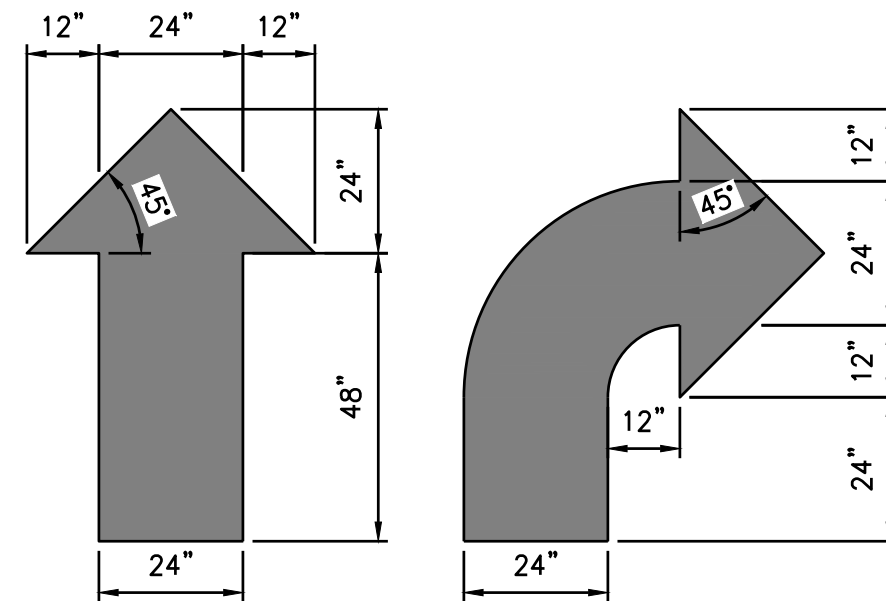
## ASPHALT PAVING SECTION

1  
C4.1  
NOT TO SCALE



## PCC PAVING SECTION

2  
C4.1  
NOT TO SCALE

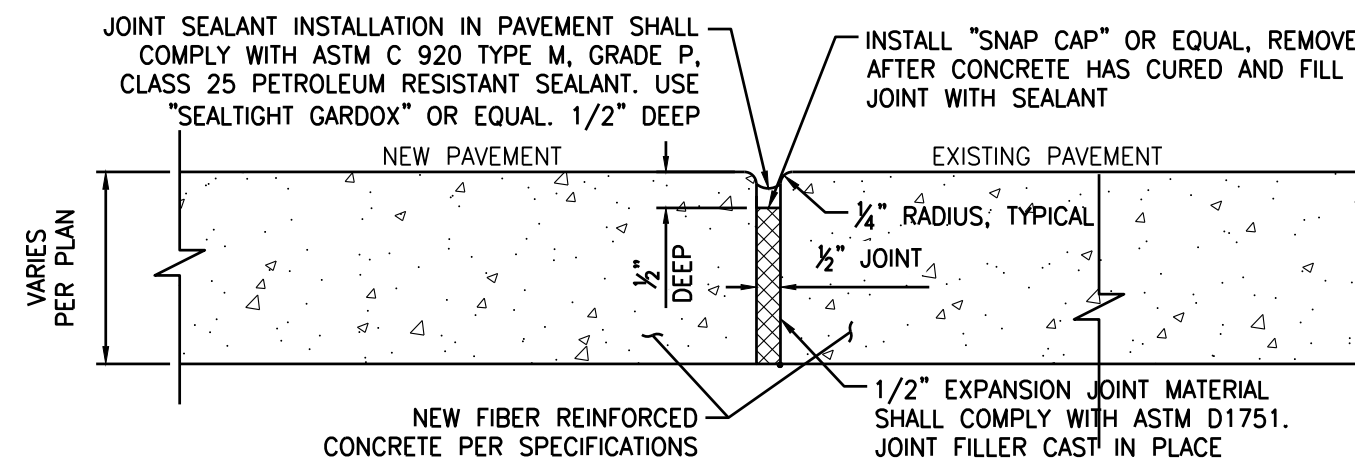


DETAIL NOTES:

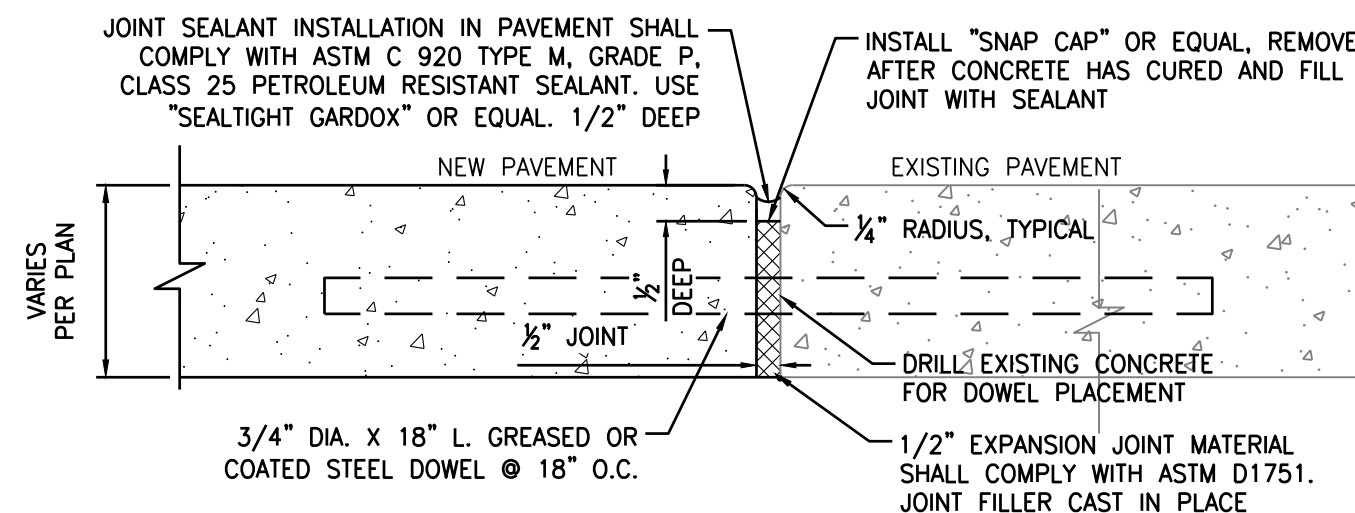
APPLY 2 COATS OF CHLORINATED RUBBER-TYPE TRAFFIC-LANE MARKING PAINT OVER CLEANED PAVING SURFACE ACCORDING TO LAYOUT SHOWN ON THE SITE PLAN. PAINT AS REQUIRED BY CITY CODE.

## TRAFFIC MARKINGS

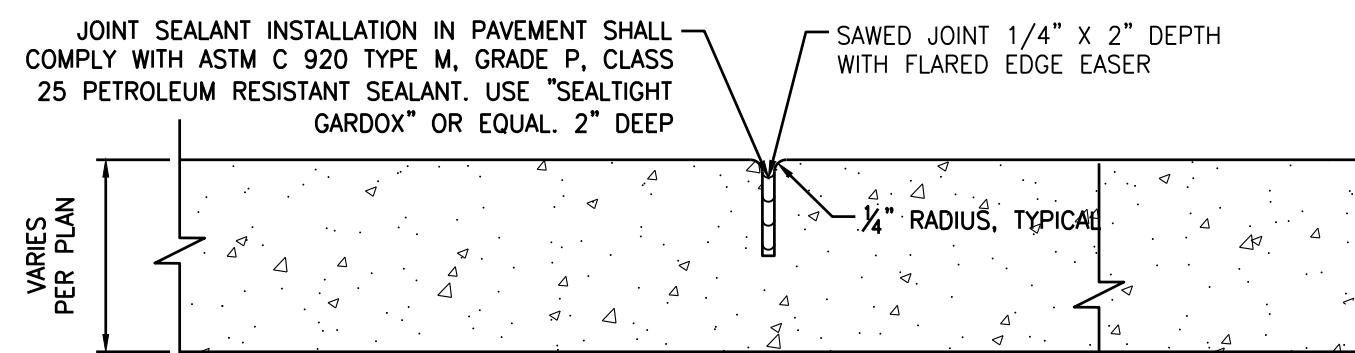
3  
C4.1  
NOT TO SCALE



## CONSTRUCTION JOINT



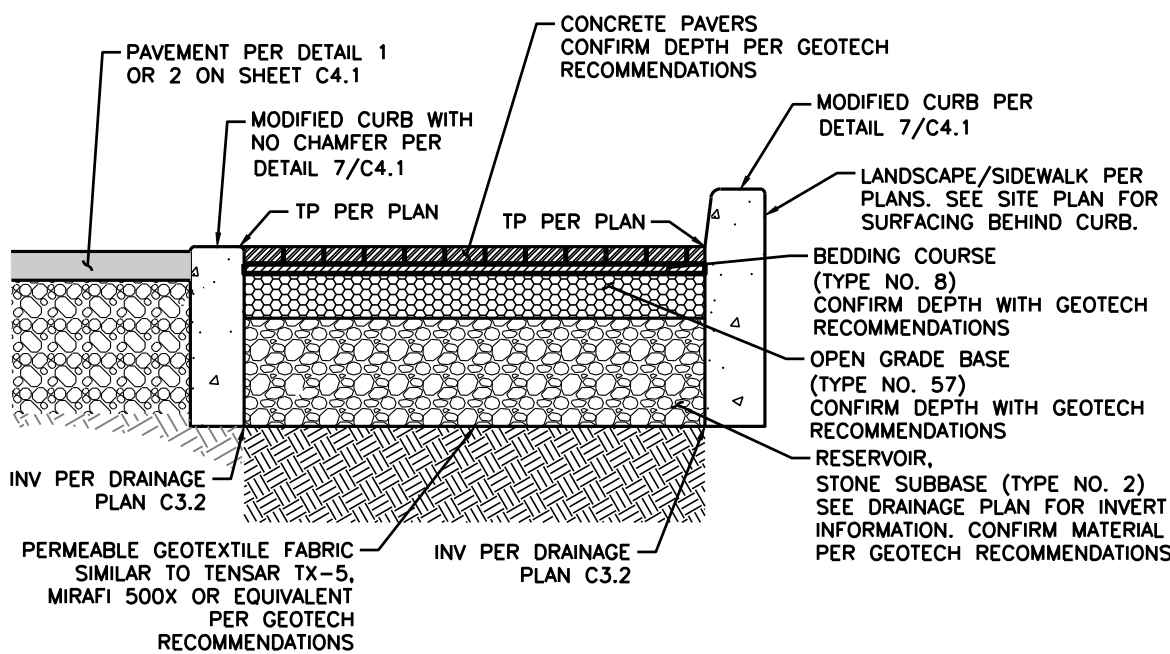
## EXPANSION JOINT (TYPICAL)



## CONTROL JOINT (SAWED)

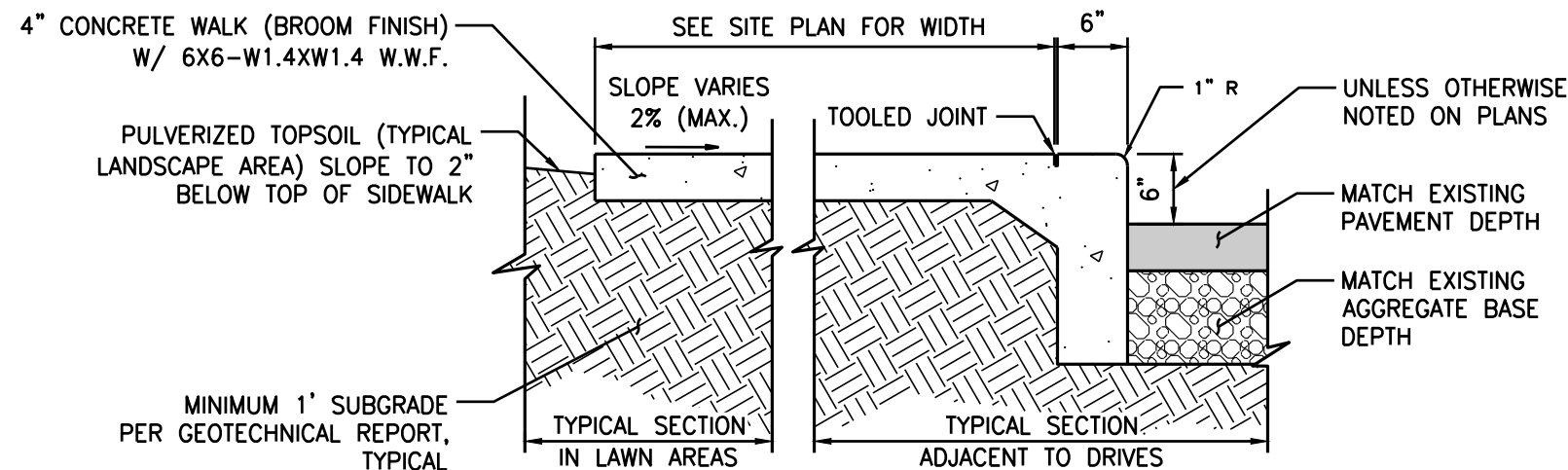
## CONCRETE JOINTING

5  
C4.1  
NOT TO SCALE



## PERVIOUS PAVERS

12  
C4.1  
NOT TO SCALE

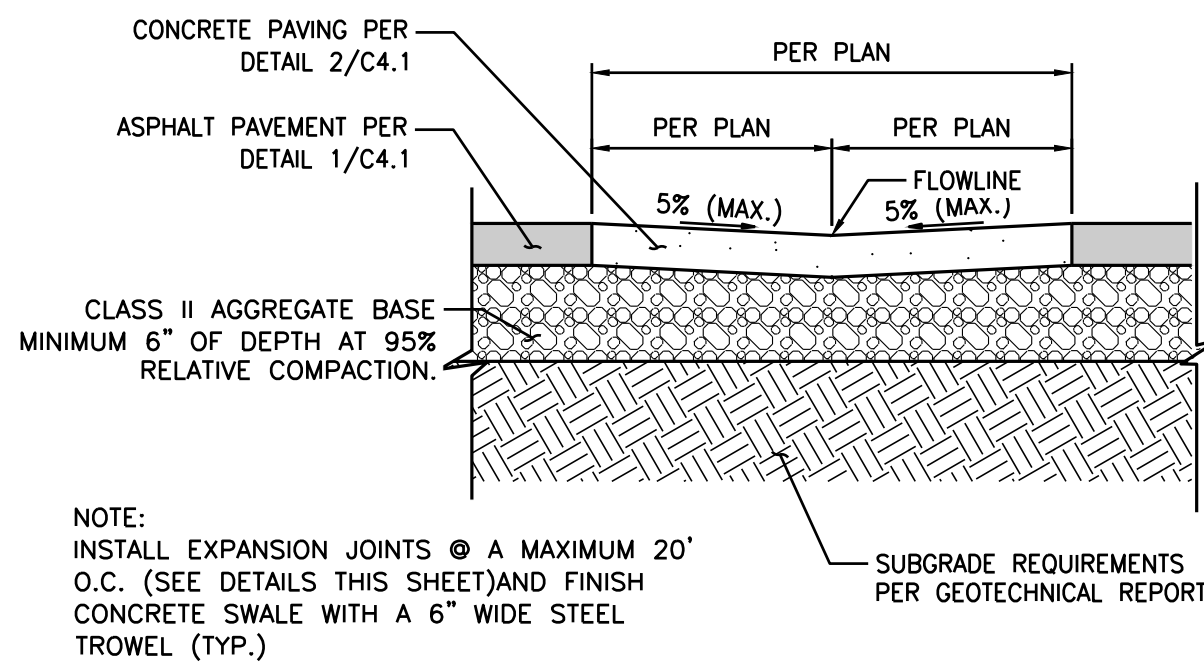


NOTES:

- SIDEWALKS VARY IN WIDTH. CONTROL JOINTS TO BE PLACED AT SPACING EQUAL TO SIDEWALK WIDTH.
- PROVIDE EXPANSION JOINTS AT 28' TO 30' O.C. MAXIMUM.
- WHEN WALK IS ADJACENT TO THE BUILDING PROVIDE 3/8" X 4" IMPREGNATED FIBERBOARD.
- ALL PORTLAND CEMENT CONCRETE PAVEMENT (PCC) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORTS.

## ON-SITE CONCRETE SIDEWALK

6  
C4.1  
NOT TO SCALE



NOTE:

INSTALL EXPANSION JOINTS @ A MAXIMUM 20' O.C. (SEE DETAILS THIS SHEET) AND FINISH CONCRETE SWALE WITH A 6" WIDE STEEL TROWEL (TYP.)

## CONCRETE SWALE

9  
C4.1  
NOT TO SCALE

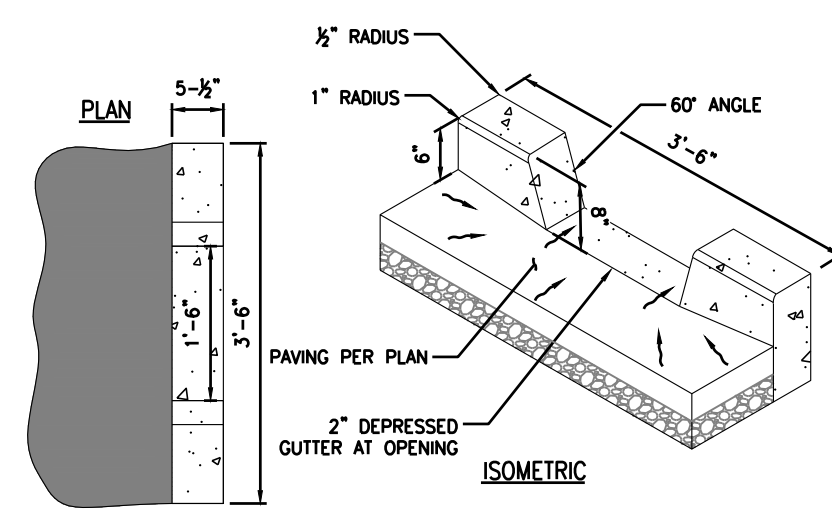


## 12"X18" MOTORCYCLE PARKING ONLY SIGN

15  
C4.1  
NOT TO SCALE

## ON-SITE BARRIER CURB

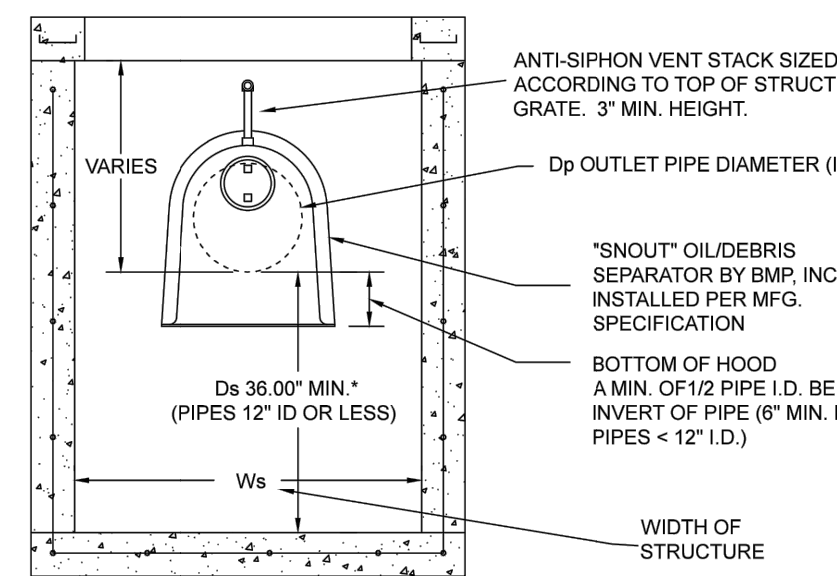
7  
C4.1  
NOT TO SCALE



## CURB CUT

10  
C4.1  
NOT TO SCALE

## STRUCTURE DESIGN FOR WATER QUALITY IMPROVEMENT



RULE #1 - AT AN ABSOLUTE MINIMUM, STRUCTURE INTERNAL DIMENSIONS MUST BE AT LEAST LARGE ENOUGH TO ACCOMMODATE EXTERNAL DIMENSIONS OF THE SNOUT, AND ALLOW FOR A PERSON TO INSTALL IT. REFER TO BMP, INC. CAD DETAILS FOR PART DIMENSIONS. BMP RECOMMENDS STRUCTURE WALL TO BE AT LEAST 12" WIDER THAN MAXIMUM SNOUT WIDTH. FOR TRASHSCREEN, STRUCTURE MUST BE AT LEAST 6" WIDER THAN TRASHSCREEN WIDTH.

RULE #2 - USE ONLY "F" SERIES SNOUTS FOR RECTANGULAR OR SQUARE STRUCTURES. AVAILABLE IN 12", 18", 24", 30", 36", 48", 72" AND 96" SIZES. USE ONLY "R" SERIES SNOUTS FOR ROUND STRUCTURES. AVAILABLE IN 12", 18", 24", 30", 42", 52" AND 72" SIZES.

\*SNOUT DEPTH (Dp): SNOUT DEPTH SHOULD BE A MINIMUM OF 36" FOR ANY NEW CONSTRUCTION FOR PIPES 12" AND LESS. FOR 15"-18" PIPE MIN. DEPTH SHOULD BE 48". OPTIMAL SIZING IS AT LEAST 2.5X TO 3X OUTLET PIPE DIAMETER (Dp) FOR MAXIMUM POLLUTANT REMOVAL EFFICIENCY AND MINIMAL CLEANOUT FREQUENCY.

STRUCTURE DIMENSIONS- PLAN DIMENSIONS FOR A STRUCTURE SHOULD BE UP TO 7X AREA OF OUTLET PIPE FOR MAXIMUM POLLUTANT REMOVAL EFFICIENCY AND MINIMAL CLEANOUT FREQUENCY. FOR MANHOLES, SEE SIZING EXAMPLES BELOW FOR "R" SERIES SNOUTS.

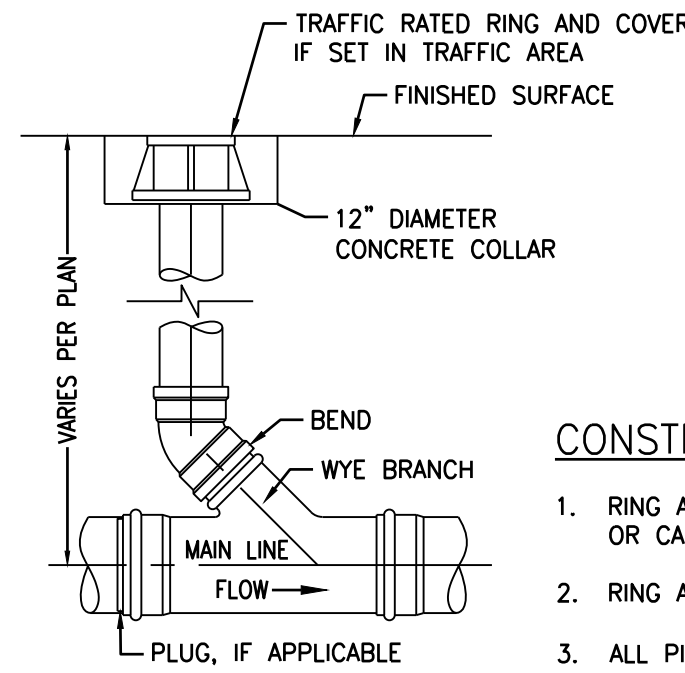
IMPORTANT NOTICE: DO NOT CONFUSE PIPE SIZE WITH SNOUT SIZE. A SNOUT FITS OVER A PIPE, NOT IT IN. THUS, THE CORRECT SNOUT SIZE WILL ALWAYS BE BIGGER THAN THE PIPE SIZE. SNOUTS ARE AVAILABLE FOR ROUND STRUCTURES TO ACCOMMODATE PIPES OF 60" ID (71.9" OD), MAX. FOR PIPES 72" OD AND ABOVE, USE SQUARE STRUCTURES.

SIZING EXAMPLES:			
OUTLET HOLE SIZE	SNOUT SIZE	NP/ROUND (FOR PVC OR SMALL DIAM. STRUCTURE)	
11.9" O.D. OR LESS	12" F (R FITS 36"-48" DIAM STRUCTURE)	UP TO 12" PIPE IN 18" ID STRUCTURE NP1218	
12.0"-17.9" O.D.	18" F (R FITS 48"-60" DIAM STRUCTURE)	UP TO 15" PIPE IN 24" ID STRUCTURE NP1524	
18.0"-23.9" O.D.	24" F (R FITS 48"-60" DIAM STRUCTURE)	UP TO 18" PIPE IN 30" ID STRUCTURE NP1830	
24.0"-29.9" O.D.	30" F (R FITS 60"-72" DIAM STRUCTURE)	UP TO 18" PIPE IN 36"-42" ID STRUCTURE NP1836	
30.0"-35.9" O.D.	36" F (R FITS 60"-72" DIAM STRUCTURE)	UP TO 24" PIPE IN 30" ID STRUCTURE NP 2430	
36.0"-41.9" O.D.	42" F (R FITS 60" DIAM STRUCTURE ONLY)		
42.0"-47.9" O.D.	48" F (R FITS 72" OR 84" DIAM STRUCTURE ONLY)		
48.0"-54.9" O.D.	54" F (R FITS 72" OR 84" DIAM STRUCTURE ONLY)		
54.0"-61.9" O.D.	60" F (R FITS 72" OR 84" DIAM STRUCTURE ONLY)		
61.0"-68.9" O.D.	66" F (R FITS 72" OR 84" DIAM STRUCTURE ONLY)		
68.0"-75.9" O.D.	72" F (R FITS 72" OR 84" DIAM STRUCTURE ONLY)		
75.0"-82.9" O.D.	78" F (R FITS 72" OR 84" DIAM STRUCTURE ONLY)		
82.0"-89.9" O.D.	84" F (R FITS 72" OR 84" DIAM STRUCTURE ONLY)		

## BMP, INC. SNOUT DETAIL

BMP, INC.			
(800) 504-8008 FAX: (877) 434-3197			
DESIGNER:	DATE:	SCALE:	
SNOUT SIZING CHART	09/09/18	NONE	
	DRAWING NUMBER:		SP-SI

13  
C4.1  
NOT TO SCALE

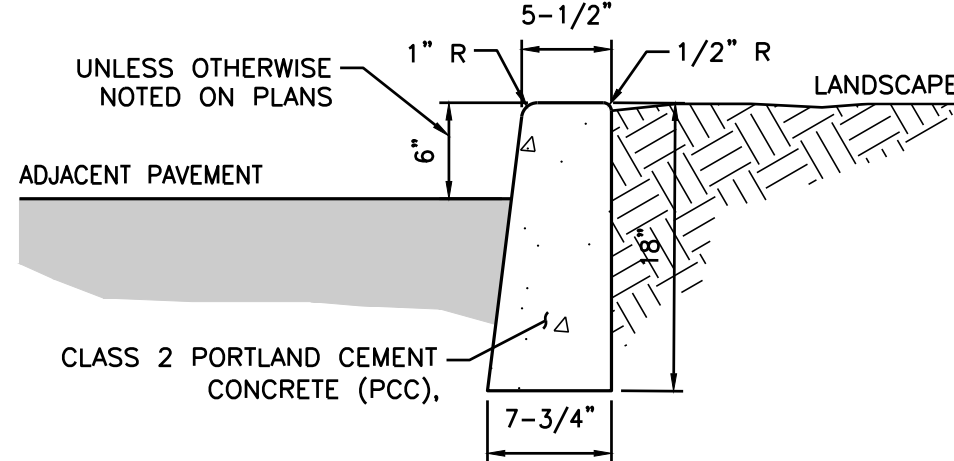


## CONSTRUCTION NOTES:

- RING AND ACCESS COVER SHALL BE H20 TRAFFIC RATED AND DUCTILE OR CAST IRON CASTING.
- RING AND COVER SHALL BE SET FLUSH WITH FINISHED SURFACE.
- ALL PIPE/FITTING SHALL CONFORM TO SPECIFICATIONS ON UTILITY SHEET(S).

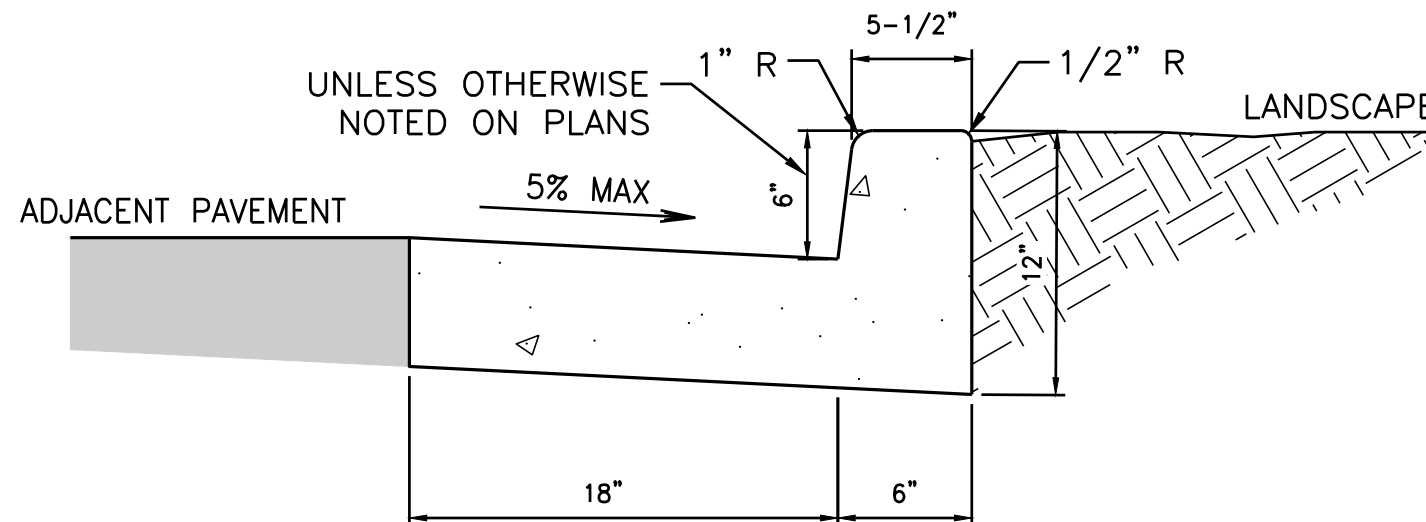
## CLEANOUT

4  
C4.1  
NOT TO SCALE



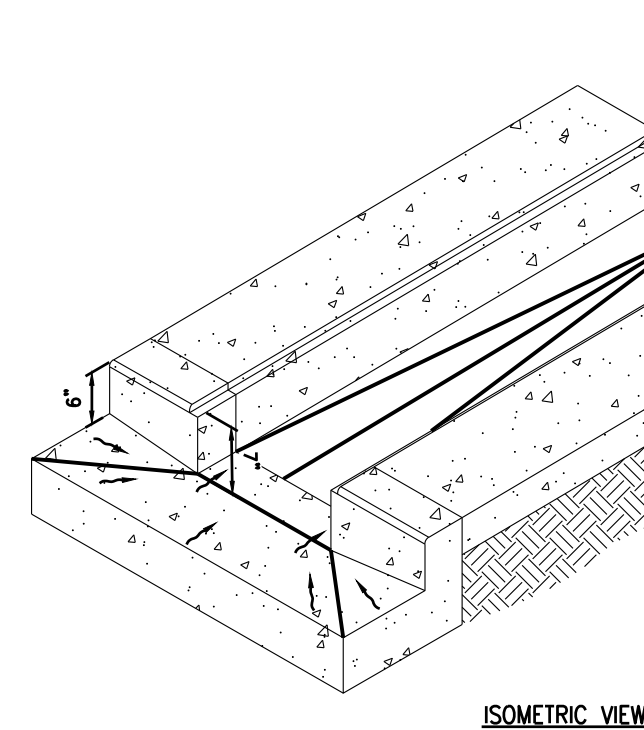
## ON-SITE BARRIER CURB

7  
C4.1  
NOT TO SCALE



## CURB AND GUTTER

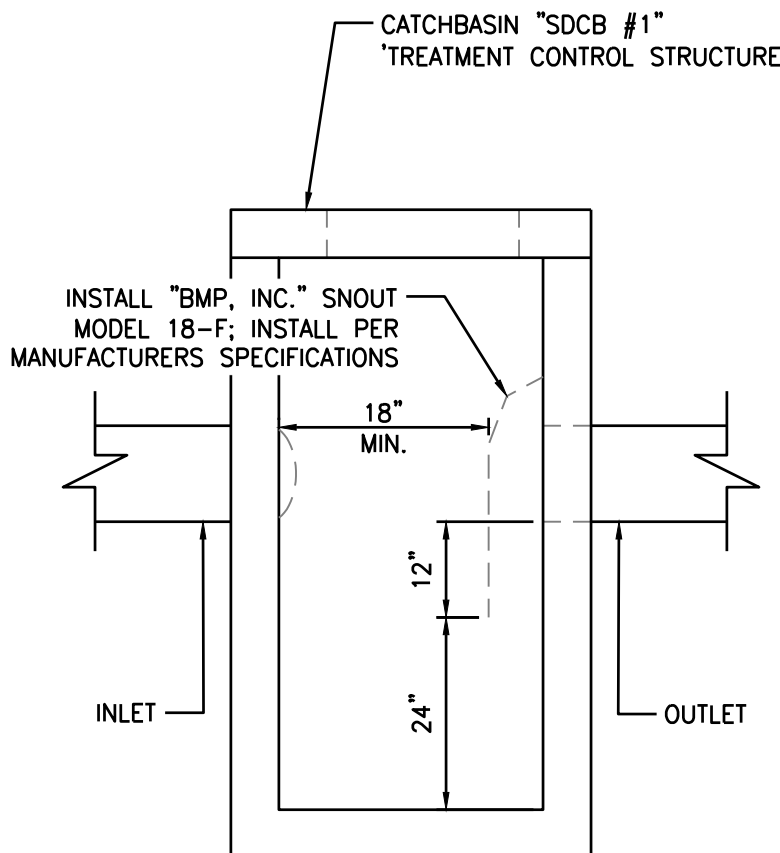
8  
C4.1  
NOT TO SCALE



FRONT VIEW

## SIDEWALK DRAIN

11  
C4.1  
NOT TO SCALE



\* REFER TO DETAIL 13 THIS SHEET FOR BMP, INC. SNOUT SPECIFICATIONS SHEET.

## TREATMENT DETAIL CATCH BASIN STRUCTURE

14  
C4.1  
NOT TO SCALE

## TRAFFIC CIRCULATION LAYOUT APPROVED

2/14/2023

CIVIL DETAILS  
220 98TH STREET NW  
ALBUQUERQUE, NM 87121

Title:

DUTCH BROS.  
COFFEE

For:

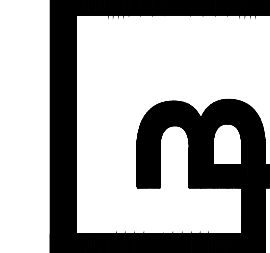


02/10/2022

Scale: Horizontal N/A Vertical N/A

Designed: JAH  
Drawn: JAH  
Checked: JAH  
Approved: HPG  
Date: 06/03/22

Barghausen Consulting Engineers, Inc.  
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Kent, WA 98032  
425.251.6222  
barghausen.com



Job Number: 22187  
Sheet: C4.1  
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