

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

June 1, 2020

Jake Palmer  
Accelerated Development Services  
2415 E Camelback Rd, Suite 400  
Phoenix, AZ 85016

RE: **Drive Thru Restaurant**  
**700 Coors Blvd NW**  
**Grading Plan Stamp Date: 5/15/20**  
**Hydrology File: J11D039**

Dear Mr. Palmer:

Based on the submittal received on 5/15/20, it appears that all comments have been addressed and this project is approved for building permit.

PO Box 1293

Prior to Certificate of Occupancy (For Information):

Albuquerque

NM 87103

[www.cabq.gov](http://www.cabq.gov)

1. Prior to any work within the New Mexico Department of Transportation (NMDOT) Right-of-Way, an NMDOT permit will be required. Provide a copy of the issued permit prior to requesting Certificate of Occupancy.
2. Engineer's Certification, per the DPM Chapter 22.7: *Engineer's Certification Checklist For Non-Subdivision is required.*
3. A Bernalillo County Recorded Private Facility Drainage Covenant is required for the stormwater quality pond. The original notarized form, exhibit A (legible on 8.5x11 paper), and recording fee (\$25, payable to Bernalillo County) must be turned into DRC (4th, Plaza del Sol) for routing. Please contact Charlotte LaBadie ([clabadie@cabq.gov](mailto:clabadie@cabq.gov), 924-3996) regarding the routing and recording process for covenants. The routing and recording process for covenants can take a month or longer; Hydrology recommends beginning this process as soon as possible as to not delay approval for certificate of occupancy.

# CITY OF ALBUQUERQUE

*Planning Department*  
Brennon Williams, Director



*Mayor Timothy M. Keller*

If you have any questions, please contact me at 924-3986 or [earmijo@cabq.gov](mailto:earmijo@cabq.gov).

Sincerely,

A handwritten signature in dark ink, appearing to read 'Ernest Armijo', is written over a faint, light-colored background that looks like a piece of paper or a stamp.

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

PO Box 1293

Albuquerque

NM 87103

[www.cabq.gov](http://www.cabq.gov)



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: \_\_\_\_\_ Building Permit #: \_\_\_\_\_ City Drainage #: \_\_\_\_\_

DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_

Legal Description: TRACT LETTERED "B" OF THE REPLAT OF A PORTION OF TRACTS 161, 162 AND 163 OF AIRPORT UNIT OF TRACTS ALLOTTED FROM THE TOWN OF ATRISCO GRANT, ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON SAID REPLAT, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JANUARY 5, 1973 IN VOLUME B7, FOLIO 90.

City Address: \_\_\_\_\_

Engineering Firm: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Owner: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Architect: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Other Contact: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Check all that Apply:

### DEPARTMENT:

- ☐ HYDROLOGY/ DRAINAGE  
☐ TRAFFIC/ TRANSPORTATION  
☐ MS4/ EROSION & SEDIMENT CONTROL

### TYPE OF SUBMITTAL:

- ☐ ENGINEER/ ARCHITECT CERTIFICATION
- ☐ CONCEPTUAL G & D PLAN  
☐ GRADING PLAN  
☐ DRAINAGE MASTER PLAN  
☐ DRAINAGE REPORT  
☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ TRAFFIC IMPACT STUDY (TIS)  
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
- ☐ OTHER (SPECIFY) \_\_\_\_\_

### CHECK 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
- ☐ PRE-DESIGN MEETING  
☐ OTHER (SPECIFY) \_\_\_\_\_

IS THIS A RESUBMITTAL?: ☐ Yes ☐ No

DATE SUBMITTED: \_\_\_\_\_ By: \_\_\_\_\_

COA STAFF: \_\_\_\_\_ ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

May 15, 2020

Dana Peterson  
Senior Engineer, Planning Department  
Development Review Services

RE: 700 Coors Blvd NW Albuquerque, NM 87105  
**Hydrology File No. J11D039**

CESO, Inc. is pleased to submit this letter to you in response to your previous review letter dated 09/23/2019.

1. Runoff from impervious areas needs to be routed into the stormwater quality (SWQ) ponds. Please provide the SWQ volume calculations for each basin draining to each pond. The stormwater quality ponds need to be sized for the areas draining to them. It appears a large portion of the parking lot and roof simply flows out the driveway onto Fortuna.

**Response: Stormwater Quality ponds have been added to the site to comply with City regulations. See Sheet GD1.0 and GD1.1 for reference.**

2. You may also elect to make Payment-in-Lieu of onsite management for the bypass volume. In order to pursue this, the plan must state that: you could provide onsite management, you do not want to (due to cost or convenience), and you are electing to make the Payment in Lieu of onsite management. The bypass volume must be quantified; a treasury deposit slip can then be generated for the bypass amount at a rate of \$8/CF.

**Response: Per response on Comment #1 this will not be needed.**

3. Provide hydrologic calculations per the DPM, Ch 22.2.A for the 100-yr storm. Also, a brief narrative describing the project and existing/proposed grading and drainage is recommended (DPM Ch 22.7: *Grading Plan Checklist*).

**Response: This has been added to the plans on Sheet GD1.1.**

4. Provide outfalls for both ponds, sized for the 100-yr peak inflow. Include supporting hydraulic calculations as needed.

**Response: The ponds are designed as retention ponds to provide rainwater harvesting. Hydraulic calculations are provided on Sheet GD1.1.**

5. It appears that your engineering stamp is too big. The NM Board of Licensure for Professional Engineers and Professional Surveyors Administrative Code 16.39.3.12.C states, "The design of the seal/stamp shall consist of three (3) concentric circles, the outermost circle being one (1) and one-half (1/2) inches in diameter..."

**Response: Engineering stamp size revised per comment.**

6. For trash enclosures serving food service developments, demonstrate *control of liquids from dumpster areas* per DPM Chapter 22.9.E, Table 1 by: containing runoff from the dumpster area, preventing outside drainage from entering the dumpster area, and discharging to the sanitary sewer. If this information is on the utility plan please provide it or show on the grading plan.

**Response: The proposed Dutch Bros Coffee does not have a kitchen or any food preparation. A sanitary drain is not required based on discussions with Herman Gallegos on 5/12/20. See the enclosed correspondence for reference.**

7. Show the work to close the extra driveway cut, reconstruct the remaining two driveways per ADA requirements, and any other work required in the ROW. Include spot elevations at flowline and highpoint, demonstrating a 0.87' (min.) waterblock.

**Response: Spot elevations and notes to close extra driveway cuts have been added to sheet GD1.0 per comment.**

8. Add a note on the Grading Plan, "Prior to any work within the New Mexico Department of Transportation (NMDOT) Right-of-Way, an NMDOT permit will be required." Provide a copy of the issued permit prior to requesting Certificate of Occupancy.

**Response: Note added to Sheet GD1.0 per comment.**

9. Engineer's Certification, per the DPM Chapter 22.7: *Engineer's Certification Checklist for Non-Subdivision is required.*

**Response: Engineer's Certification provided per comment – see enclosed for reference.**

10. A Bernalillo County Recorded Private Facility Drainage Covenant is required for the stormwater quality pond. The original notarized form, exhibit A (legible on 8.5x11 paper), and recording fee (\$25, payable to Bernalillo County) must be turned into DRC (4<sup>th</sup>, Plaza del Sol) for routing. Please contact Charlotte LaBadie ([clabadie@cabq.gov](mailto:clabadie@cabq.gov), 924-3996) regarding the routing and recording process for covenants. The routing and recording process for covenants can take a month or longer; Hydrology recommends beginning this process as soon as possible as to not delay approval for certificate of occupancy.

**Response: Comment noted.**

Should you have any further questions, please do not hesitate to call me.

Respectfully,



Matt Regenold, PE  
Engineering Manager

Cc: Jake Palmer (via e-mail)  
Dave Lambert (via e-mail)

Enclosed: Hydrology Plans  
Herman Gallegos E-mail 5-12-20  
Engineer's Certification



**Re: Sanitary Drain Re: Trash Enclosure @ 1105 Juan Tabo Blvd NE and 700 Coors Blvd NW** 📎

**Jake Palmer** to: Gallegos, Herman P.

05/12/2020 09:57 AM

Cc: vmiller, black, matt.regenold, "Rick Archuleta"

Herman,

Thank you for the clarification. As discussed over the phone, our tenant serves pre-packaged baked goods and espresso drinks via a Production Area and not a Kitchen. We will remove the sanitary drain in the trash enclosure for our submittal.

I am copying our internal team that is working at 1105 Juan Tabo Blvd NE and 700 Coors Blvd NE.

Respectfully,

**Jake Palmer | Associate Vice President  
Accelerated Development Services**

2415 E. Camelback Road, Suite 400, Phoenix, AZ 85016

**Direct:** 602.682.8153 | **Mobile:** 602.510.9923

"Gallegos, Herman P."

Good afternoon Jake, Per our conversation...

05/12/2020 09:43:43 AM

From: "Gallegos, Herman P." <hgallegos@cabq.gov>

To: "Jake.Palmer@accelerateddevco.com" <Jake.Palmer@accelerateddevco.com>

Date: 05/12/2020 09:43 AM

Subject: Sanitary Drain

Good afternoon Jake,

Per our conversation this morning a sanitary drain is required in a trash enclosure for all restaurants and food service, or if the business has a kitchen where food is being prepared. If the business you are planning to construct falls under one of these categories, a sanitary drain will be required.

I have also attached our minimum requirements where this is stated.

Regards,



**HERMAN GALLEGOS**

code enforcer/dispatch supervisor

o 505.761.8125

m 505.681.2767

[cabq.gov/solidwaste](http://cabq.gov/solidwaste)



Minimum requirements for a trash enclosure.pdf

May 14, 2020

Dana Peterson, P.E.  
Senior Engineer, Planning Dept.  
Development Review Services

RE: Hydrology File No. J11D039  
700 Coors Blvd NW Albuquerque, NM 87105  
**Drainage Certification**

I, Zachary D. Freshner, NMPE 25812, of the firm CESO, Inc., hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated September 30, 2019. The record information edited onto the original design document has been obtained by me or under my direct supervision as supplemental data to the original topographic survey prepared by Anthony L Harris, NMPE 11463, of the firm The Survey Office LLC, and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for grading and drainage approval.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.



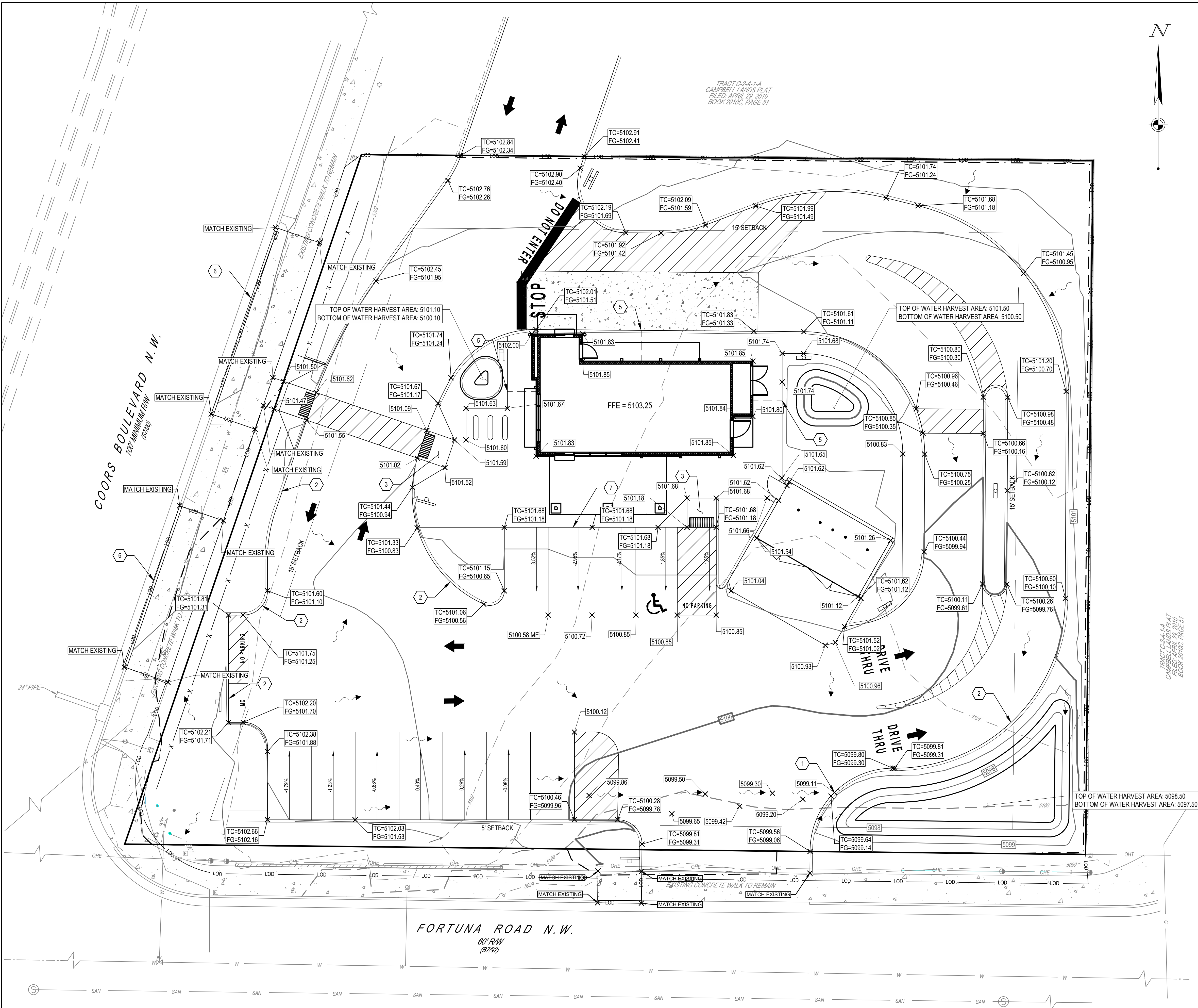
Zachary D. Freshner, NMPE 25812

5/14/2020

Date







**LEGEND**

EXISTING

REFER TO C1.1 FOR EXISTING FEATURES LEGEND

PROPOSED

- DECORATIVE FENCE
- CURB
- SIGN
- DRIVE THROUGH SIGN (PERMITTED BY OTHERS)
- CONCRETE
- SIDEWALK
- MAJOR CONTOUR
- MINOR CONTOUR
- SETBACK
- LIMITS OF DISTURBANCE
- FLOW LINE

**NMDOT PERMIT NOTE:**

PRIOR TO ANY WORK WITHIN THE NEW MEXICO DEPARTMENT OF TRANSPORTATION (NMDOT) RIGHT-OF-WAY, AN NMDOT PERMIT WILL BE REQUIRED.

- CODED NOTES:**
- 2' CURB CUT (SEE DETAIL SHEET C8.0)
  - CURB NOSING (SEE DETAIL SHEET C8.0)
  - ADA RAMP
  - LIMITS OF DISTURBANCE
  - CURB-O-LET OUTLET
  - PROPOSED CURB, GUTTER, AND SIDEWALK TO MATCH EXISTING PER DOT STANDARDS
  - PROPOSED INTEGRAL CURB AND SIDEWALK (SEE DETAIL SHEET C8.0)

**LEGAL DESCRIPTION:**

TRACT LETTERED "B" OF THE REPLAT OF A PORTION OF TRACTS 161, 162 AND 163 OF AIRPORT UNIT OF TRACTS ALLOTTED FROM THE TOWN OF ATRISCO GRANT, ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON SAID REPLAT, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JANUARY 5, 1973 IN VOLUME B7, FOLIO 90.



**BENCHMARK**

BM "A": FOUND "x" IN CONCRETE 5101.27

BM "B": CENTER OF SANITARY MANHOLE 5098.31

ELEVATIONS ARE BASE ON CITY OF ALBUQUERQUE STATION NO. 23\_111, HAVING AN ELEVATION OF 5096.705, NAVD 1988

DATUM: NAVD 1988

GRAPHIC SCALE (IN FEET)



**CESO**

WWW.CESODINC.COM

2020 N. CENTRAL AVE., STE 980, PHOENIX, AZ 85004  
PHONE: (602) 282-5900

Date	Revisions/Submissions
03/02/2019	REVISED PER CITY GRADING & DRAINAGE COMMENTS
10/17/2019	REVISED PER COMMENTS FROM ADS AND CITY REVIEWERS
11/25/2019	REVISED PER COMMENTS FROM ADS AND CITY REVIEWERS
12/16/2019	REVISED PER COMMENTS FROM ADS AND DOT REVIEWERS
01/09/2020	TRASH ENCLOSURE REVISION
05/01/2020	REVISED PER COMMENTS FROM ADS AND DOT REVIEWERS
05/14/2020	ADDRESSED CITY COMMENTS



**DUTCH BROS COFFEE**

700 COORS BLVD. NW  
ALBUQUERQUE, NM, 87121

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Professional Engineer Seal for Zachary D. Freshner, State of New Mexico, No. 25812, dated 05/15/2020.

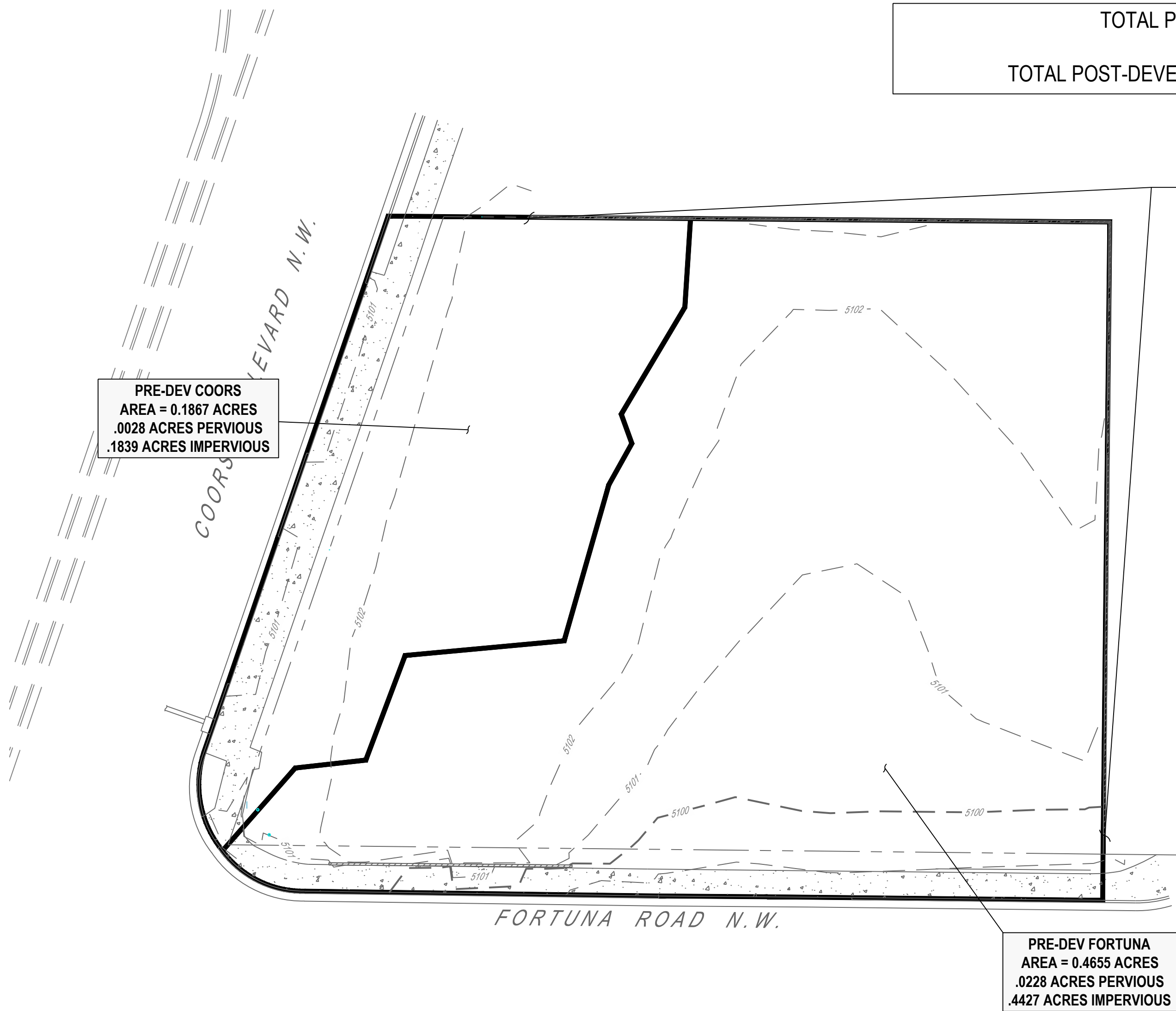
Project No.	756678-01
Scale	1" = 10'
Drawn	N. CURTIS
Checked	M. REGENOLD
Date	2020.05.14
Issue	G&D AND TCL REVIEW
Drawing Title	

**GRADING & DRAINAGE PLAN**

Drawing No. **GD1.0**

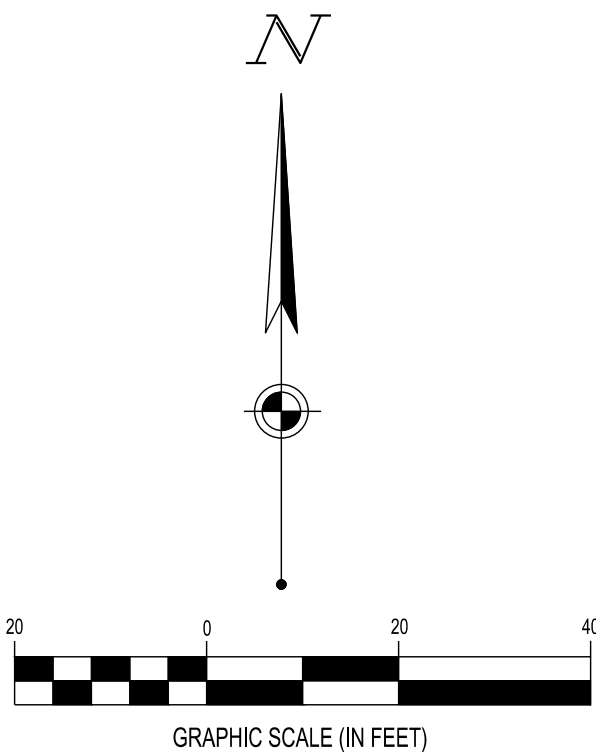
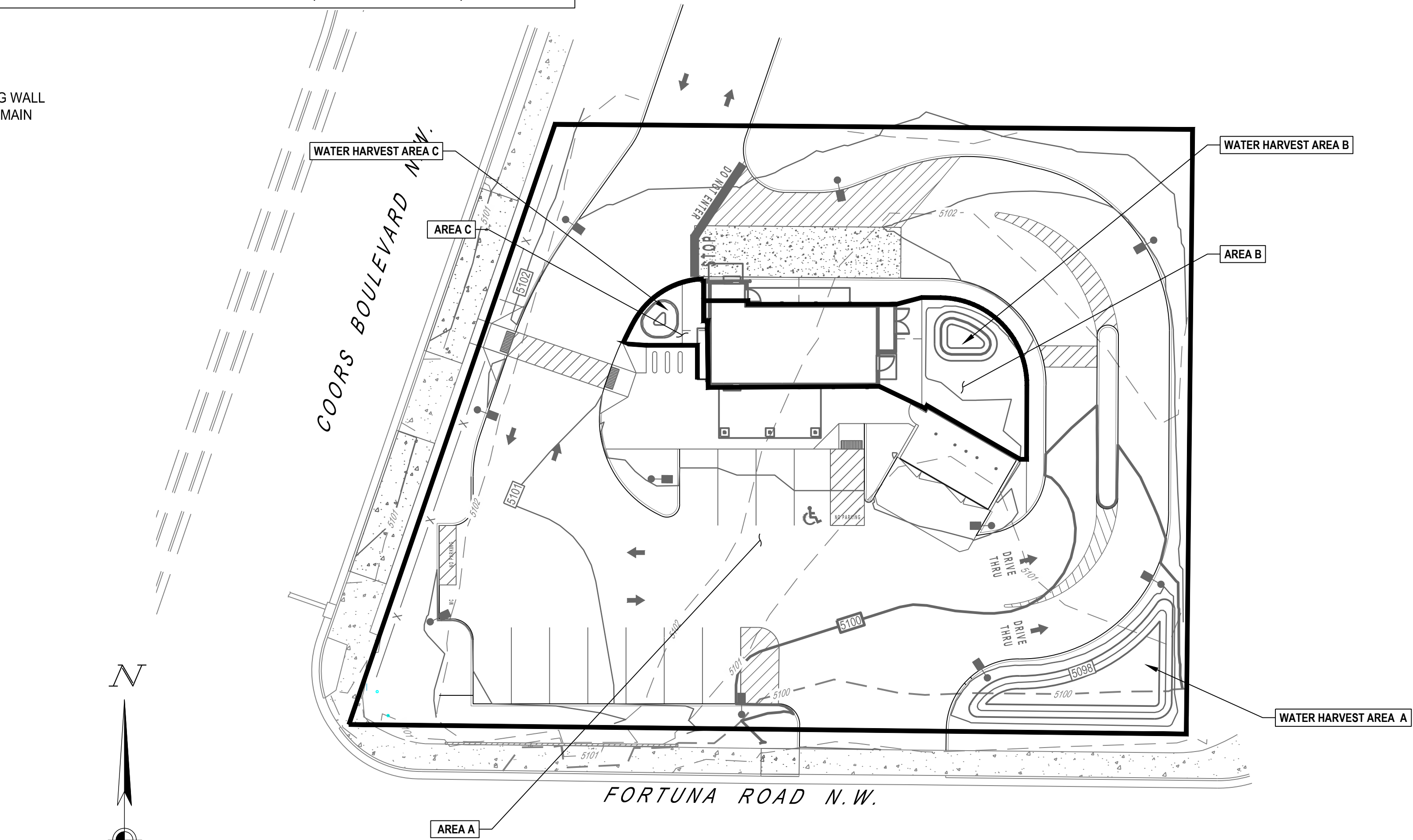


PRE-DEVELOPED



TOTAL PRE-DEVELOPED IMPERVIOUS AREA = 0.6266 ACRES  
TOTAL POST-DEVELOPED IMPERVIOUS AREA = 0.4210 ACRES (22% REDUCTION)

POST-DEVELOPED



PER GEOTECHNICAL EVALUATION REPORT PERFORMED  
BY WESTERN TECHNOLOGIES INC, DATED JULY 16, 2019:

5.0 GEOTECHNICAL PROPERTIES & ANALYSIS

5.1 Laboratory Tests

Laboratory test results (see Appendix B) indicate that native subsoils near shallow foundation level exhibit medium amounts of compressibility in a saturated condition.

Near-surface soils encountered are non-plastic to low plasticity. These soils are not expected to exhibit significant shrink/swell upon changes in moisture content.

Clayey soils of medium-plasticity may become apparent once construction begins. These soils may exhibit moderate expansion potential when recompacted, confined by loads approximating floor loads and saturated. Slabs-on-grade supported on recompacted native soils have a moderate potential for heaving if the water content of the soil increases. Densification of the soil by the passage of construction equipment may increase the expansion potential of the native clayey soil.

Infiltration rates based upon the soil type will be on the order of 20 minutes per inch or less.

SITE LOCATION

THE PROPOSED SITE IS AN APPROXIMATELY 0.6 ACRE SITE LOCATED ON THE NORH EAST CORNER OF COORS BLVD. AND FORTUNA ROAD.

EXISTING CONDITIONS

THE EXISTING SITE IS AN ENTIRELY PAVED AND CURRENTLY VACANT LOT. THE SITE CURRENTLY HAS AN ESTIMATE IMPERVIOUS AREA OF 96%. THE DRAINAGE CALCULATIONS ARE PROVIDED IN THE TABLE BELOW.

PROPOSED CONDITIONS

THE PROPOSED PROJECT WOULD CONSIST OF THE CONSTRUCTION OF A DRIVE-THRU COFFEE SHOP. THE SITE UNDER PROPOSED CONDITIONS WILL HAVE AN IMPERVIOUS PERCENTAGE OF 74%. THE DRAINAGE CALCULATIONS ARE CONTAINED IN THE TABLE BELOW. AREA A, B, AND C WILL DISCHARGE TO WATER HARVEST AREA(S) A, B, AND C RESPECTIVELY.

CONCLUSIONS

WHEN FULLY DEVELOPED AS INDICATED ON THE GRADING AND DRAINAGE PLAN, THE RUNOFF FROM THE SITE WILL DECREASE BY AN ESTIMATED 0.72 CFS FOR THE 100-YEAR STORM. STORM WATER FROM THE THREE DRAINAGE AREAS WILL FLOW THROUGH WATER HARVEST AREAS WITH VOLUME TO SATISFY THE CITY REQUIREMENTS (AS SHOWN IN THE WATER QUALITY RETENTION TABLE ON THIS SHEET).

SITE RE-DEVELOPMENT WATER QUALITY RETENTION CALCULATIONS

REQUIRED VOLUME = (0.26 IN) x SITE IMPERVIOUS AREA			
WATER HARVEST AREA	DEVELOPED SITE IMPERVIOUS AREA	REQUIRED VOLUME	PROPOSED VOLUME
A	0.3980 ACRES = 17,337 S.F.	375.63 C.F.	489.63 C.F
B	0.0213 ACRES = 928 S.F.	20.10 C.F.	86.24 C.F.
C	0.0017 ACRES = 75 S.F.	1.60 C.F.	33.45 C.F.

100-YR HYDROLOGIC CALCULATIONS USING RATIONAL METHOD:

PER ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, CH. 22.2.A, THE SITE IS LOCATED IN PRECIPITATION ZONE 1 (WEST OF RIO GRANDE), HAS A LAND TREATMENT D (IMPERVIOUS AREAS) FOR THE ENTIRE SITE ACREAGE, A 0.2 HOUR PEAK INTENSITY I VALUE OF 4.70 IN/HR AND ADJUSTED C VALUES AS SHOWN BELOW WITH THE RUNOFF CALCULATIONS.

RATIONAL METHOD Q=CIA				
	C	I (IN/HR)	A (ACRES)	Q (CFS)
EXISTING	0.93	4.7	0.6522	2.851
PROPOSED	0.8	4.7	0.5664	2.130



WWW.CESOINC.COM

2020 N. CENTRAL AVE., STE 980, PHOENIX, AZ 85004  
PHONE: (602) 282-5900

Date	Revisions/Submissions	No.
09/02/2019	REVISED PER CITY GRADING & DRAINAGE COMMENTS	1
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01/09/2020	TRASH ENCLOSURE REVISION	5
05/01/2020	REVISED PER COMMENTS FROM ADS AND DOT REVIEWERS	6
05/14/2020	ADDRESSED CITY COMMENTS	7



DUTCH BROS COFFEE

700 COORS BLVD. NW  
ALBUQUERQUE, NM, 87121

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Project No.	756678-01
Scale	1" = 20'
Drawn	N. CURTIS
Checked	M. REGENOLD
Date	2020.05.14
Issue	G&D AND TCL REVIEW
Drawing Title	

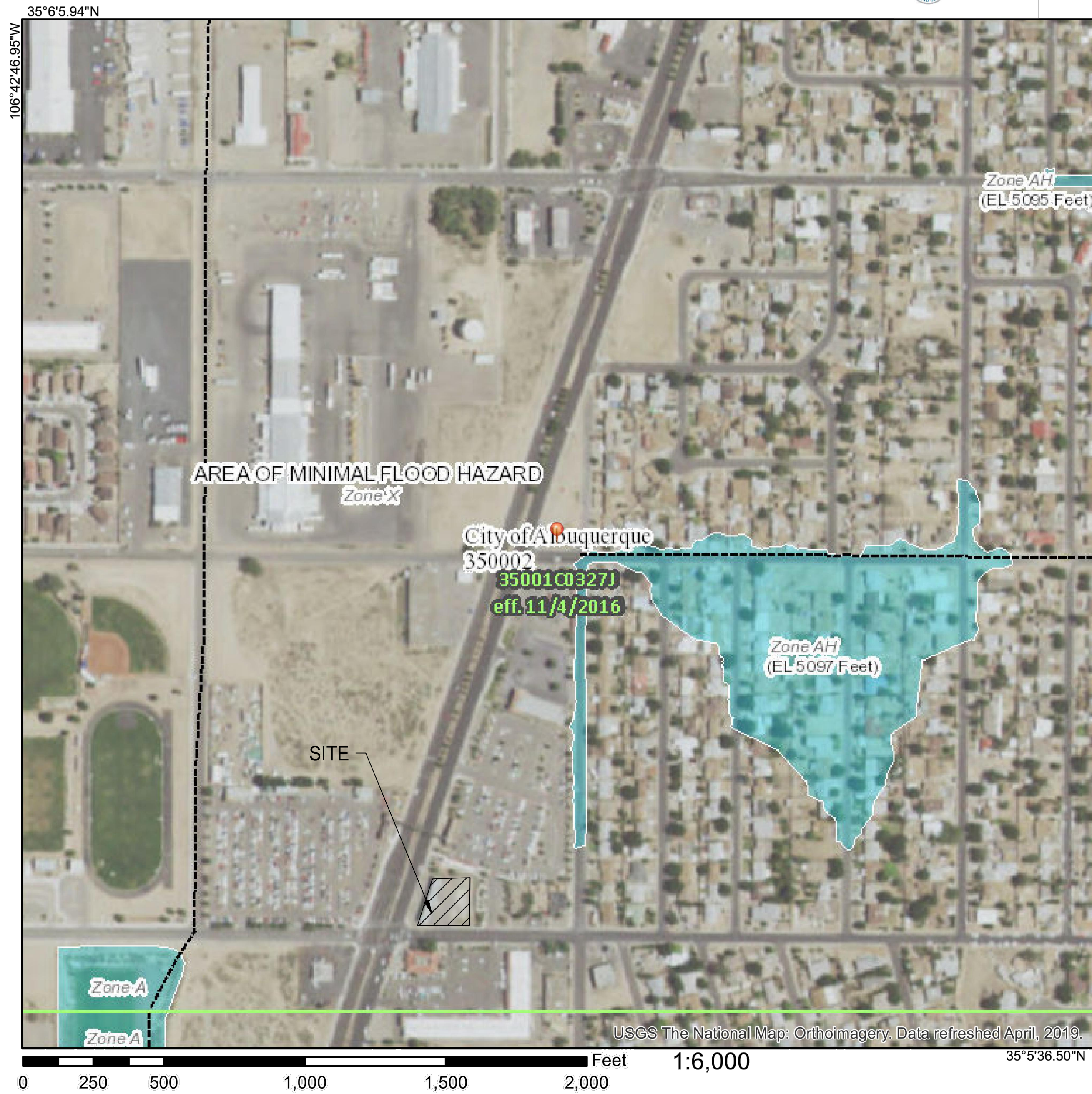
STORM WATER  
SUMMARY

GD1.1





National Flood Hazard Layer FIRMette



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
OTHER FEATURES		Profile Baseline
		Hydrographic Feature

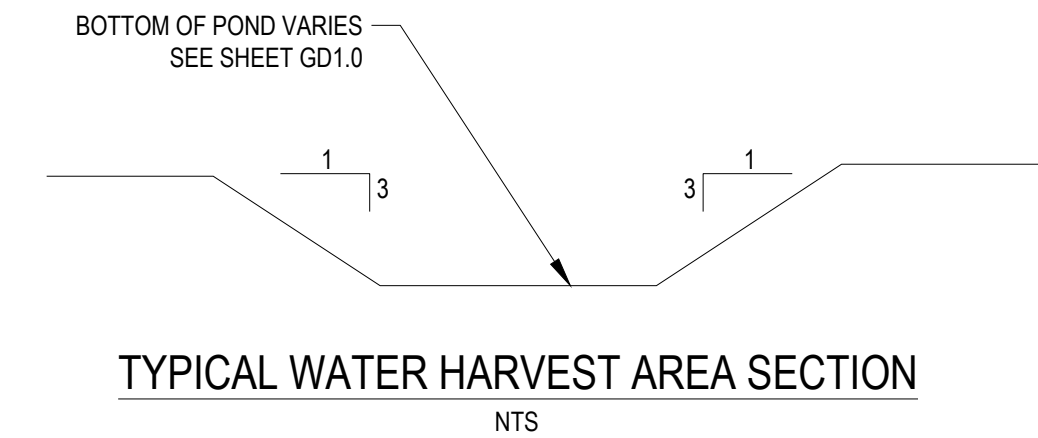
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/2/2019 at 8:15:41 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



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DUTCH BROS COFFEE

700 COORS BLVD. NW  
ALBUQUERQUE, NM, 87121

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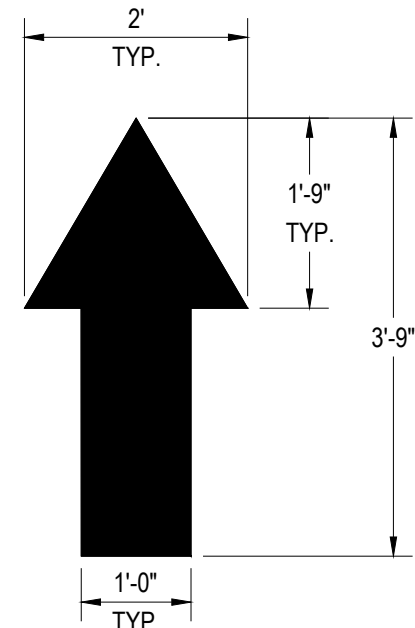
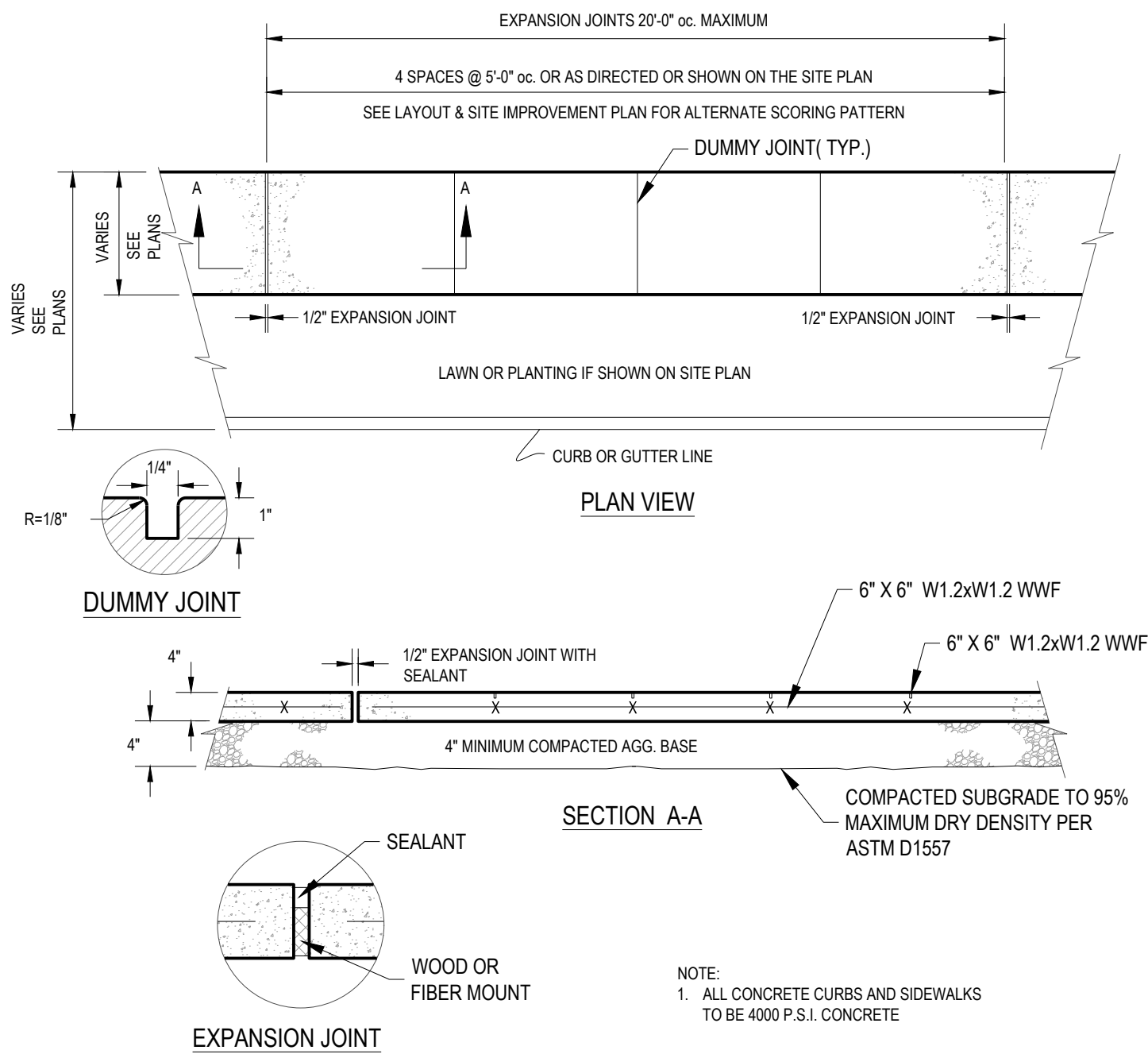
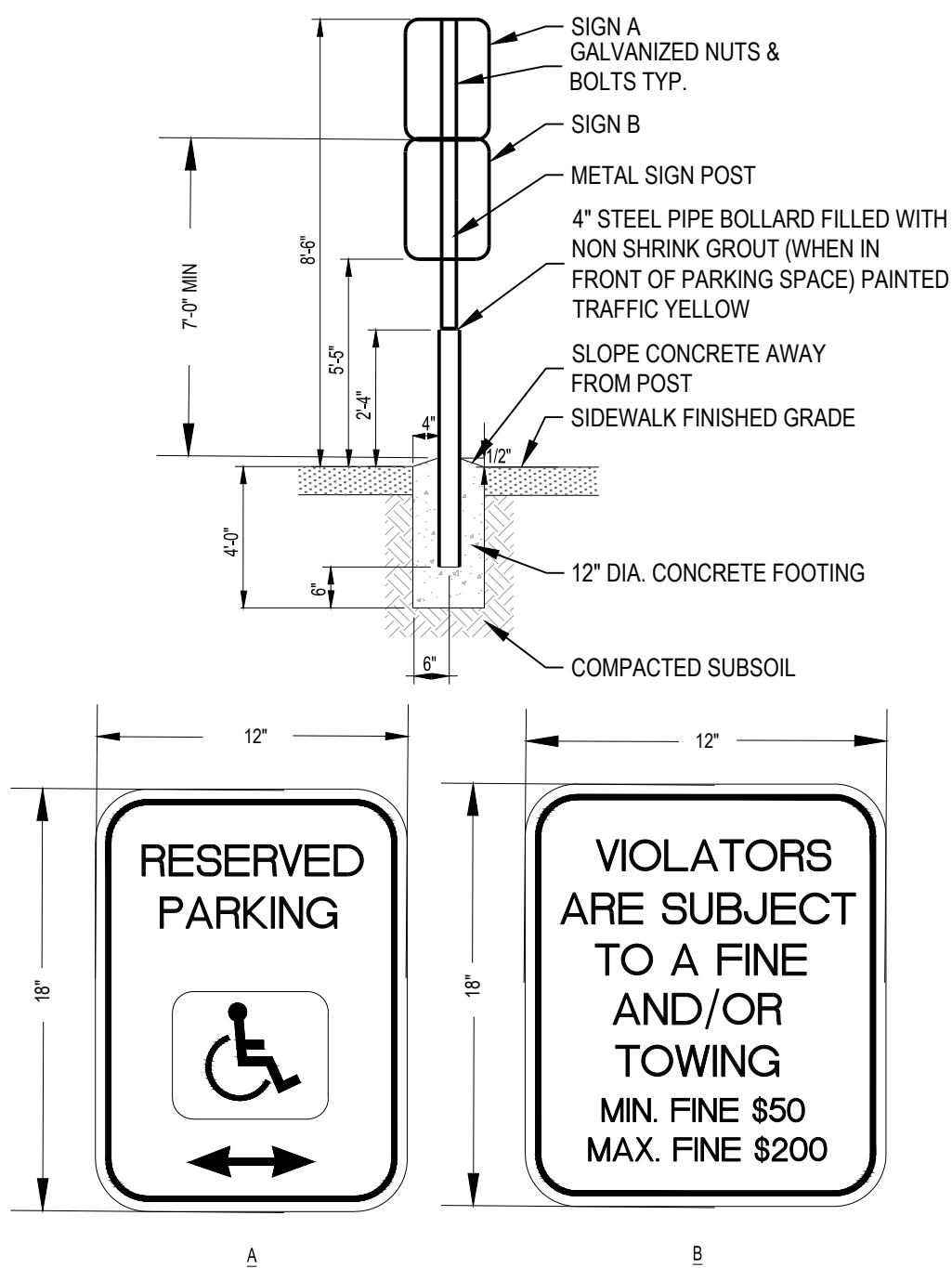
Project No.	756678-01
Scale	--
Drawn	N. CURTIS
Checked	M. REGENOLD
Date	2020.05.14
Issue	G&D AND TCL REVIEW
Drawing Title	

STORMWATER SUMMARY

Drawing No. GD1.2



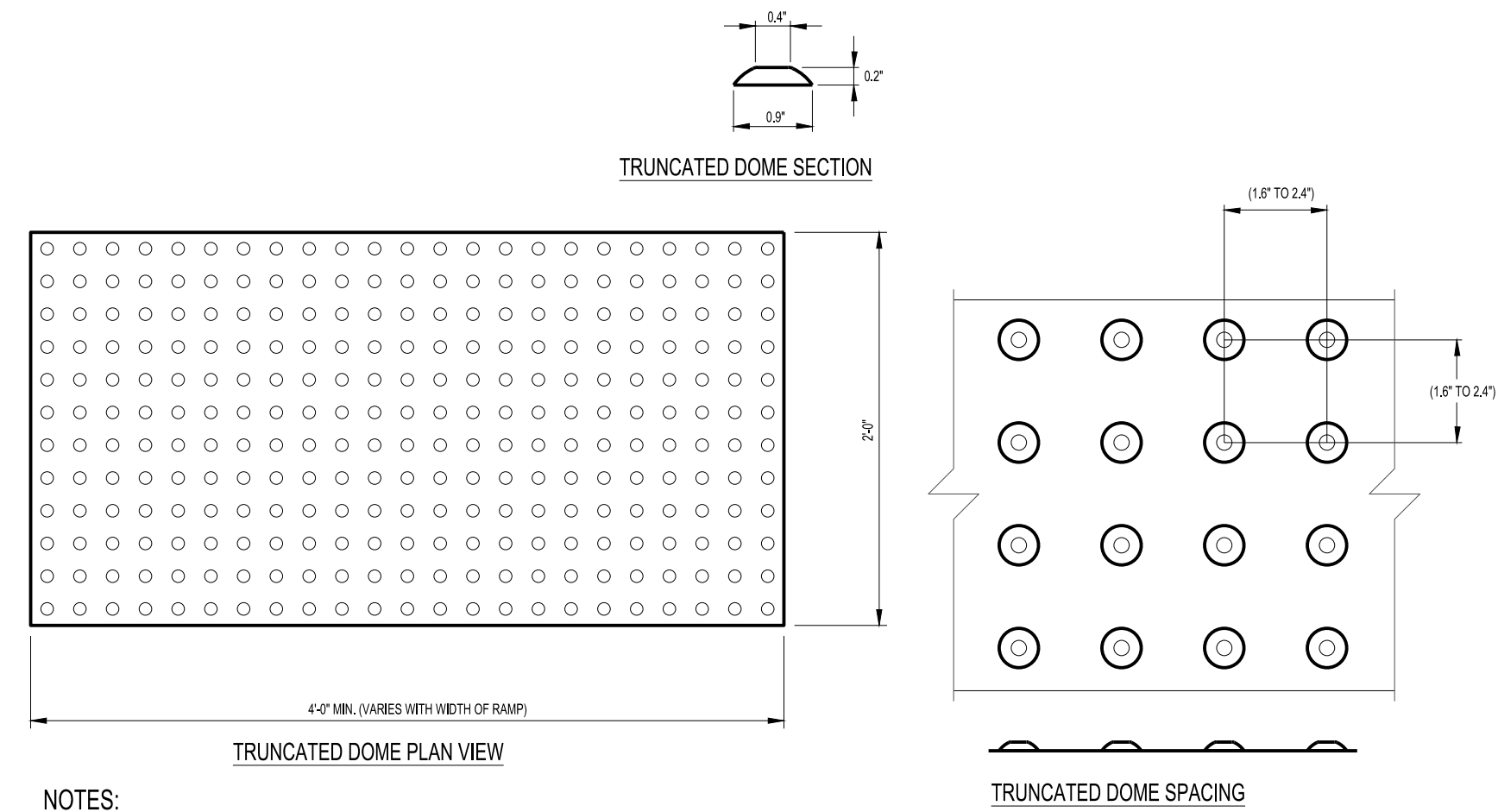




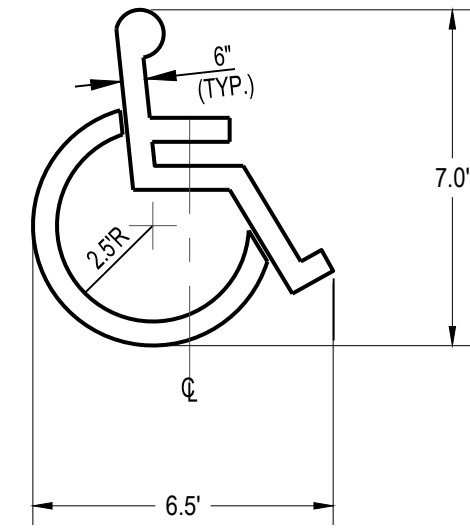
- NOTE:
- WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 38 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL.
  - THESE WORDS AND ARROWS ARE TO BE DEVICES FOR STREETS AND HIGHWAYS PAINTED REFLECTIVE WHITE.

- NOTE:
- ALL TRAFFIC FLOW ARROWS TO BE REFLECTIVE YELLOW PAINT PER SPECS.

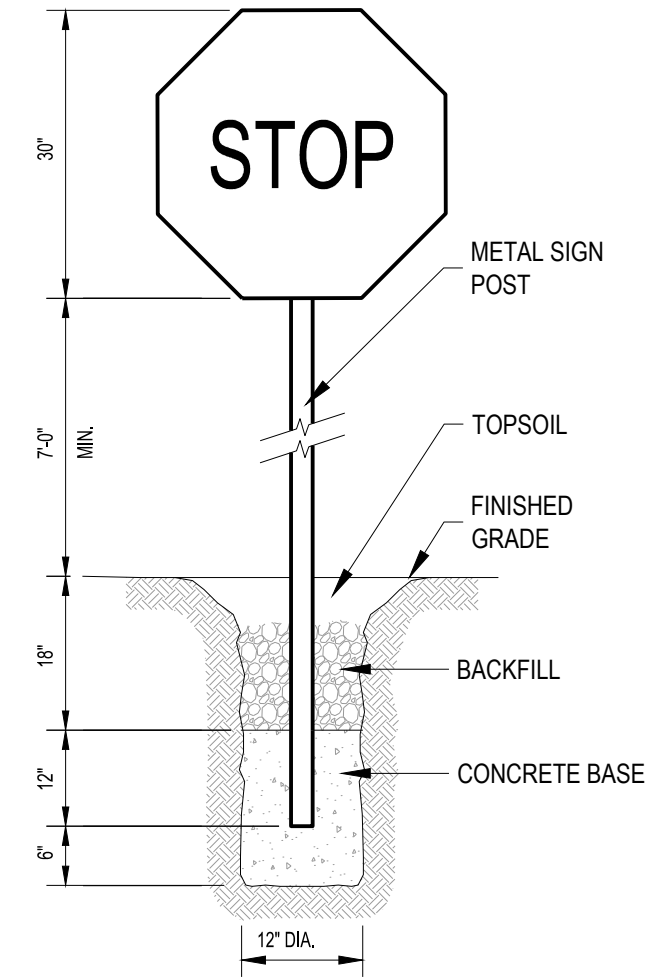
### PAVEMENT MARKINGS



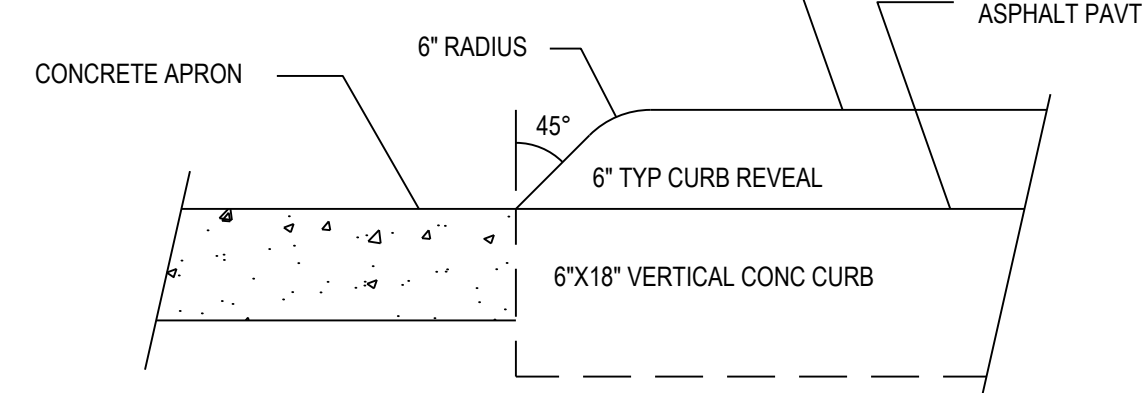
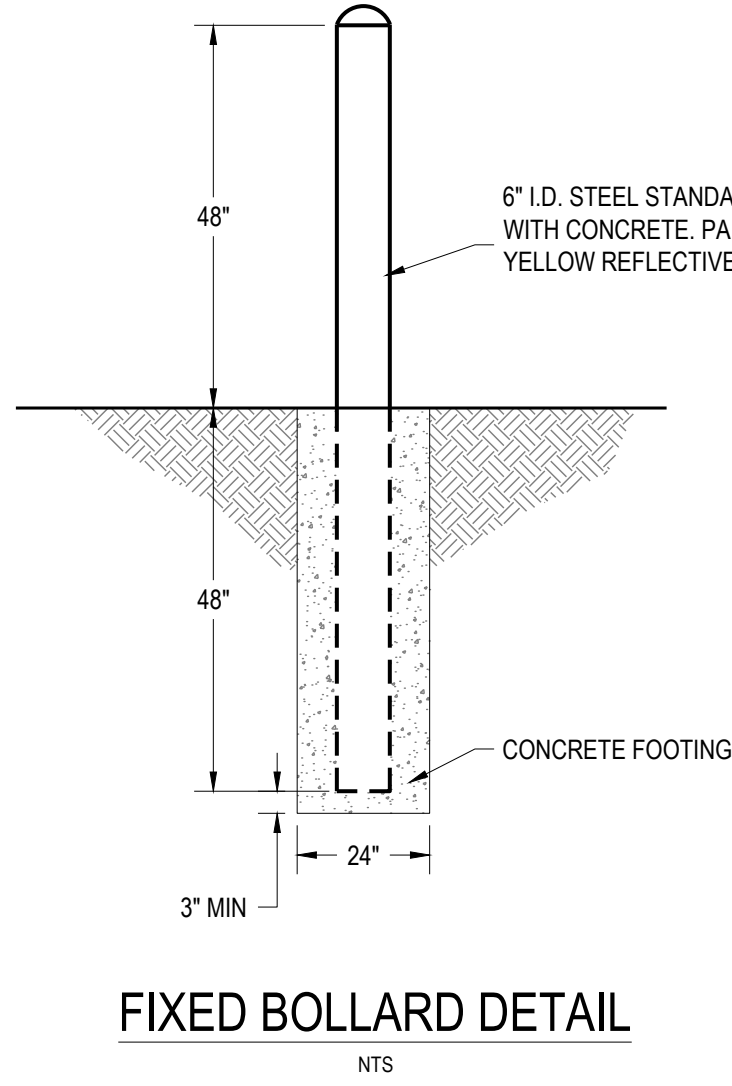
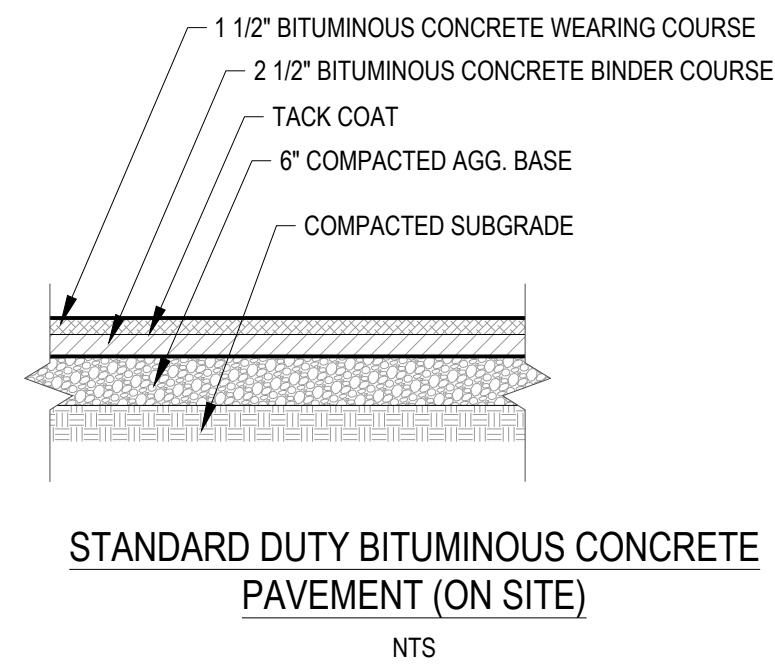
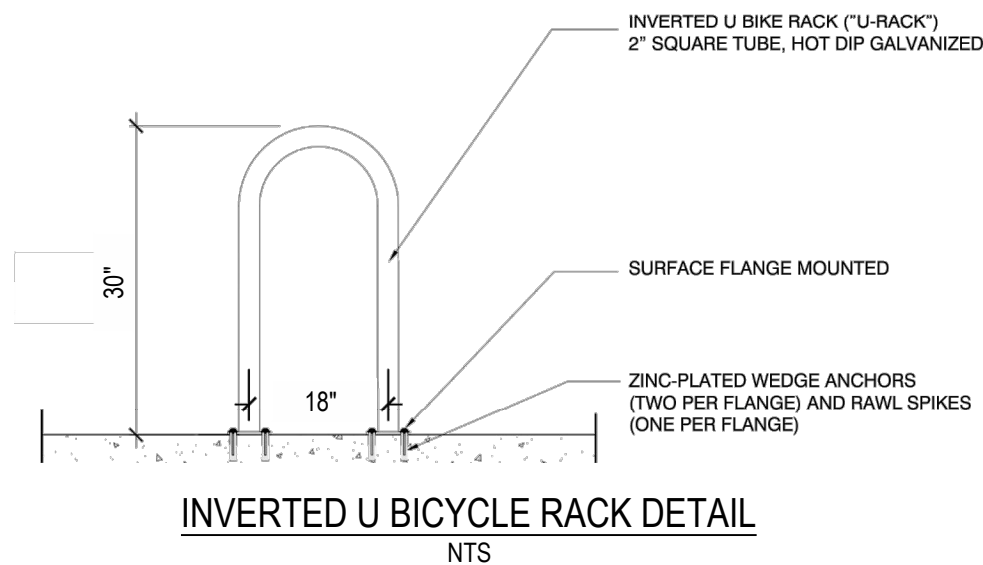
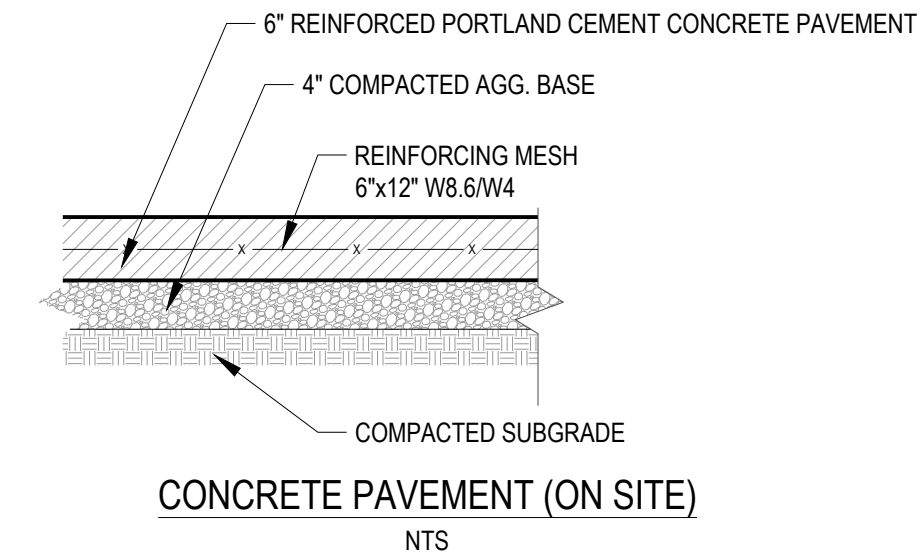
- NOTES:
- ALL DETECTABLE WARNING DEVICES USED IN NEW CONSTRUCTION SHALL BE OF RIGID PRECAST OR EMBEDDED PRODUCT APPROVED BY THE CITY ENGINEER. RETRO FIT MATS WILL ONLY BE ALLOWED ON EXISTING RAMPS WITH PRIOR APPROVAL OF THE CITY ENGINEER FOR MATERIAL TYPE AND INSTALLATION (IE RESURFACING).
  - WIDTH OF DETECTABLE WARNING AREA SHALL BE A MINIMUM OF 4 FEET AND VARY WITH WIDTH OF RAMP.
  - LENGTH OF DETECTABLE WARNING AREA SHALL BE 2 FEET REGARDLESS OF SECTION WIDTH.
  - DETECTABLE WARNING AREA CAN BE SQUARE WHERE USED IN A CURB RADIUS.
  - DETECTABLE WARNING DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
  - IF PAVERS ARE TO BE USED, PAVERS SHALL BE 6" THICK AND CAST FROM 5000 PSI CONCRETE.
  - MATS ARE TO BE RIGID WITH TURN DOWN EDGES EMBEDDED IN CONCRETE TO ELIMINATE TRIP HAZARD.
  - TRUNCATED DOES TO TO BE BLACK IN COLOR.



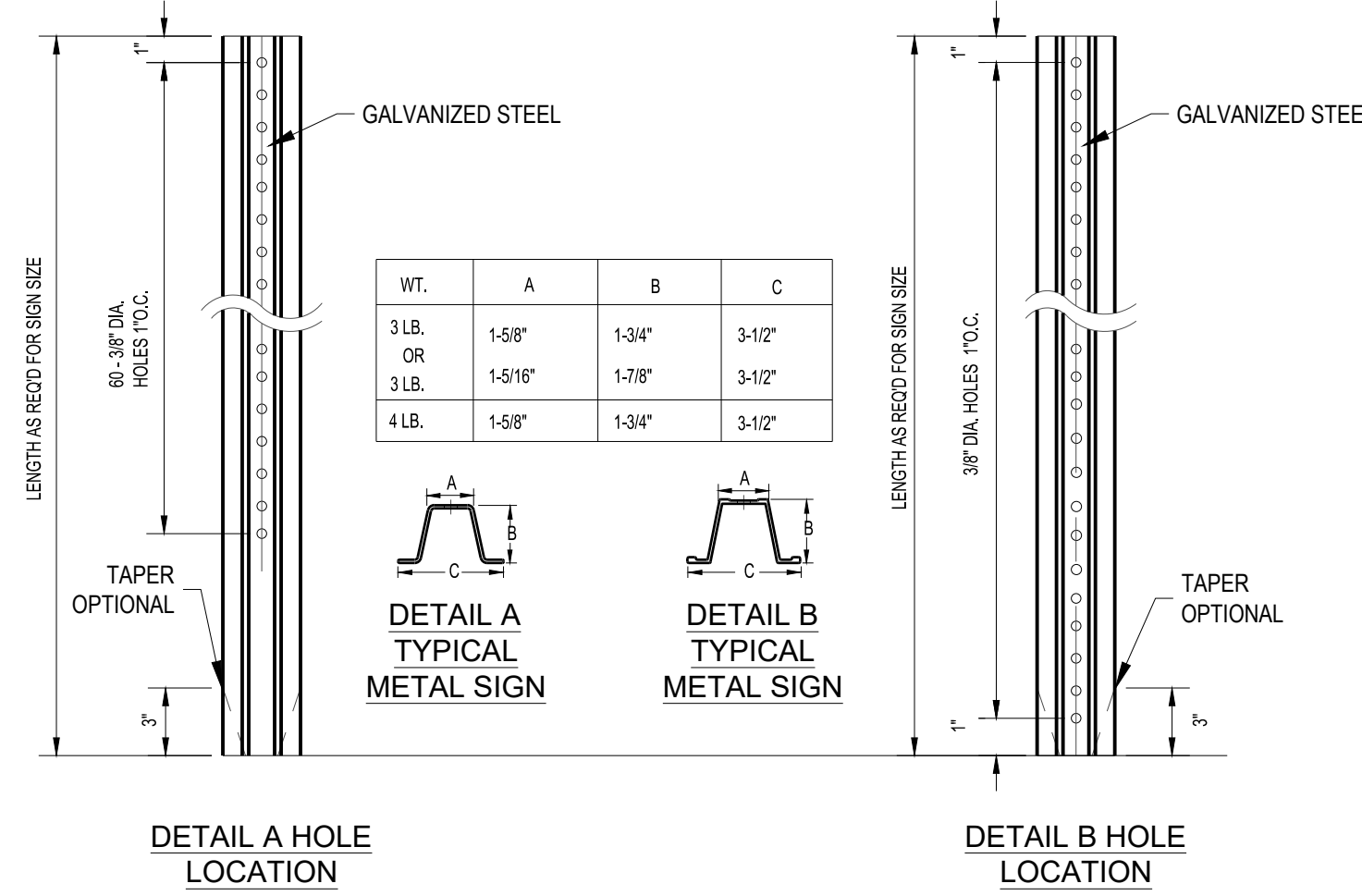
### ACCESSIBLE PARKING SYMBOL



### DETECTABLE WARNING MAT DETAIL



### CONCRETE CURB NOSING DETAIL

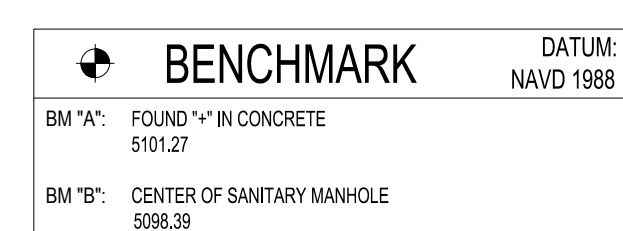
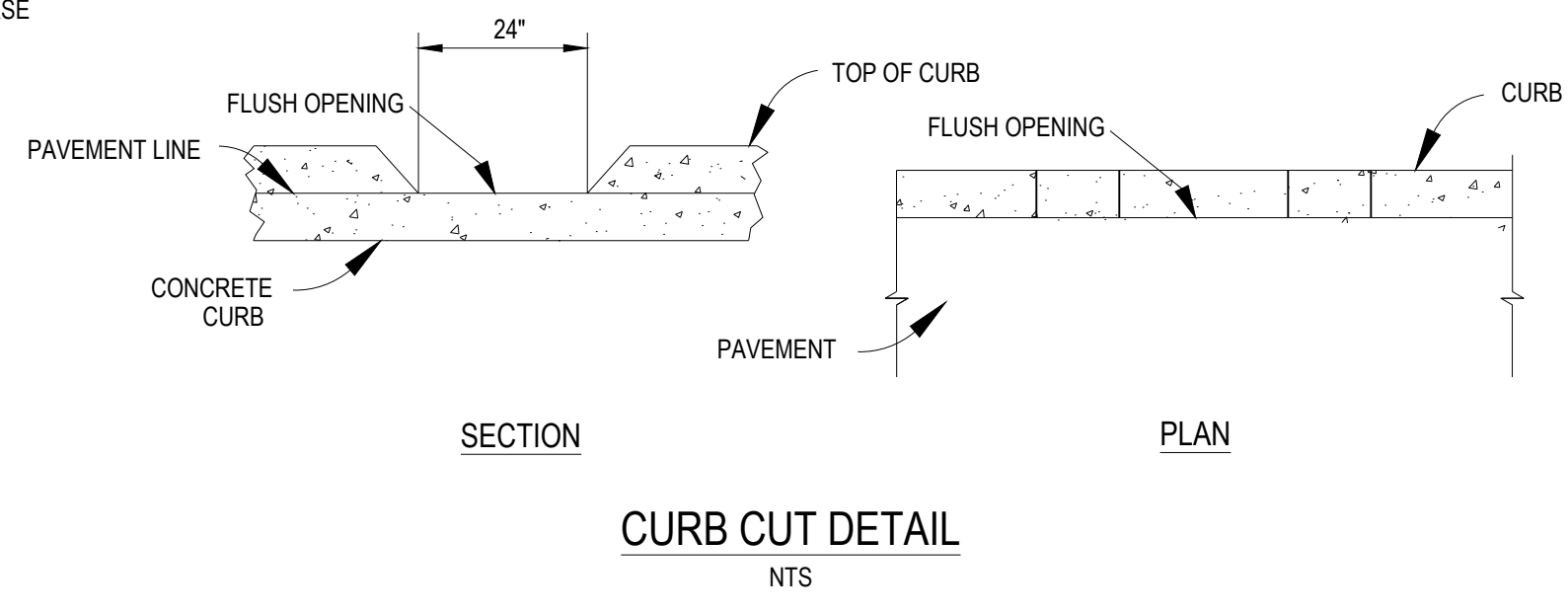
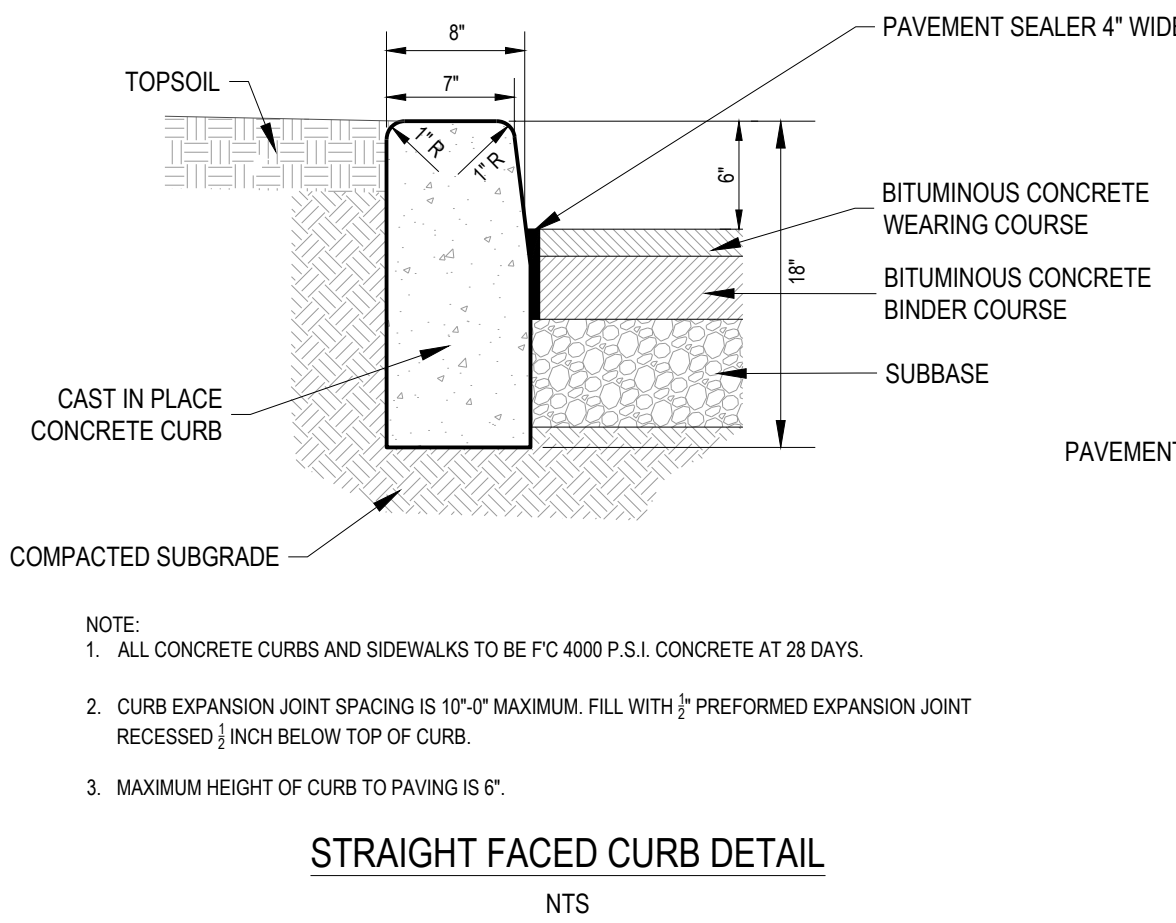
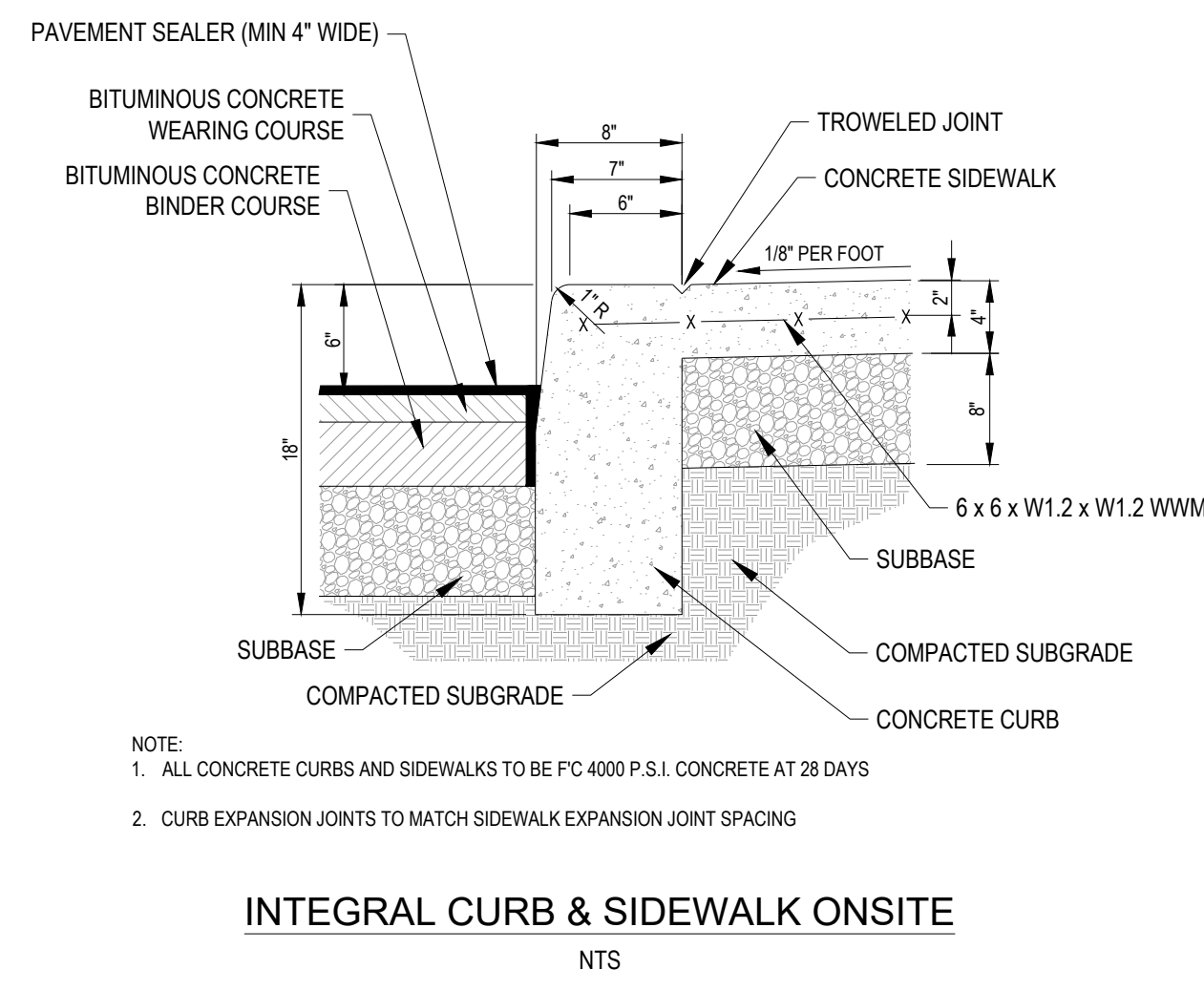


- NOTES:
- STEEL FOR POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 490-81 GRADE 60 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A176 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT OF 30 LBS OR GREATER PER LINEAR FOOT.
  - AFTER FABRICATION ALL STEEL POSTS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A-123.
  - SIGN MOUNTING HEIGHT TO BE PER MUTCD REQUIREMENTS.
  - ALL SIGN POSTS SHALL HAVE "BREAK AWAY" FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS." THE "BREAK AWAY" FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGN SHOWN ON THE PLANS AT 60 MPH WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

### TYPICAL METAL SIGN POSTS



FORTY- EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: NEW MEXICO UTILITIES PROTECTION SERVICE AT 811 OR 1-800-321-2537 AND ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NONMEMBERS OF NEW MEXICO UTILITIES PROTECTION SERVICE



2020 N. CENTRAL AVE. STE. 980, PHOENIX, AZ 85004  
PHONE: (602) 282-5900

Date	Revisions/Comments
09/30/2019	REVISED PER CITY GRADING & DRAINAGE COMMENTS
10/17/2019	REVISED PER COMMENTS FROM ADS AND CITY REVIEWERS
11/25/2019	REVISED PER COMMENTS FROM ADS AND CITY REVIEWERS
12/16/2019	REVISED PER COMMENTS FROM ADS AND DOT REVIEWERS
01/09/2020	TRASH ENCLOSURE REVISION
05/01/2020	REVISED PER COMMENTS FROM ADS AND DOT REVIEWERS
05/14/2020	ADDRESSED CITY COMMENTS



**DUTCH BROS COFFEE**  
700 COORS BLVD. NW  
ALBUQUERQUE, NM, 87121  
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Project No.	756678-01
Scale	NO SCALE
Drawn	N. CURTIS
Checked	M. REGENOLD
Date	2020.05.14
Issue	
Drawing Title	

### CONSTRUCTION DETAILS

Drawing No. **C8.0**