

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

November 26, 2019

Scott M. McGee, P.E.
SMMPE, LLC
9700 Tanoan Dr. NE
Albuquerque, NM 87111

RE: 3301 Candelaria NE
Grading Plan Engineer's Stamp Date: 11/15/19
Hydrology File: G16D097

Dear Mr. McGee,

Based on the submittal received on 11/19/19, the Grading and Drainage Plan is approved for Building Permit, and SO-19.

PO Box 1293

Prior to Certificate of Occupancy (For Information):

Albuquerque

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

NM 87103

2. A Bernalillo County Recorded [Drainage Covenant \(No Public Easement\)](#) is required for the underground stormwater 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, 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.

www.cabq.gov

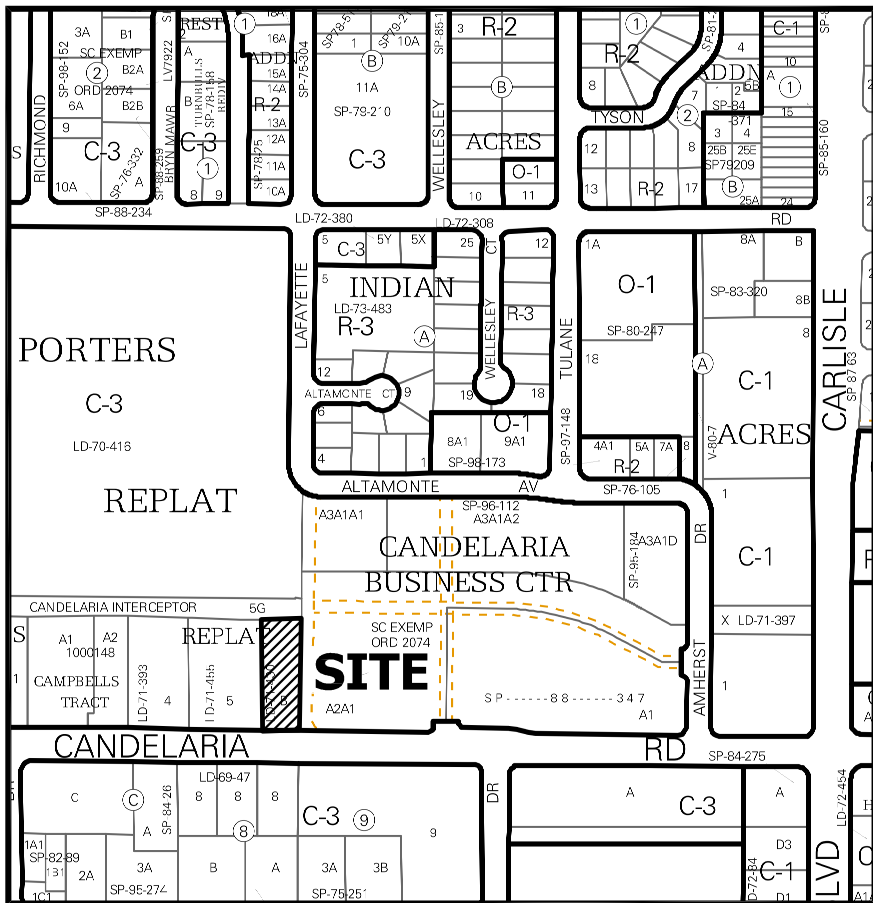
3. The concrete swale must be inspected and approved by Storm Drain Maintenance (Augie Armijo at (505) 857-8607).

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

Sincerely,

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

GRADING & DRAINAGE PLAN
3301 CANDELARIA ROAD NE
ALBUQUERQUE, NM 87107
NOVEMBER 15, 2019



VICINITY MAP G-16-Z



FIRM LIMITS

Legend

---	EXISTING CONTOUR
—20—	NEW CONTOUR - MAJOR
—21—	NEW CONTOUR - MINOR
●19.9	SPOT ELEVATION
F.F.=5120.0	FINISH FLOOR
TW 20.0	TOP OF WALL
BW 16.0	BOTTOM OF WALL
TSW 20.5	TOP OF SIDEWALK
FL 20.0	FLOWLINE
TC 20.87	TOP OF CURB
FL 20.49	FLOWLINE
TG 19.0	TOP OF GROUT
INV 17.0	INVERT ELEVATION
→	FLOW DIRECTION

Private Drainage Facilities within City Right-of-Way
Notice to Contractor
(Special Order 19 ~ "SO-19")

1. An excavation permit will be required before beginning any work within City Right-Of-Way.
2. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
3. Two working days prior to any excavation, the contractor must contact **New Mexico One Call**, dial "811" [or (505) 260-1990] for the location of existing utilities.
4. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
5. Backfill compaction shall be according to traffic/street use.
6. Maintenance of the facility shall be the responsibility of the owner of the property being served.
7. Work on arterial streets shall be performed on a 24-hour basis.
8. Contractor must contact Augie Armijo at 857-8607 and Construction Coordination at 924-3416 to schedule an inspection.

STREET MAINTENANCE INSPECTOR
APPROVAL _____

ADDRESS: 3285 Candelaria Road NE, Albuquerque, NM

LEGAL DESCRIPTION: LOT B PORTER'S REPLAT

SITE AREA: 27,448 SF (0.63 acre)

BENCHMARK: City of Albuquerque Station '6-G17' being a brass cap with ELEV= 5139.195 (NAVD 1988)

SURVEYOR: CSI - Cartesian Surveys Inc. dated May 2019

PRECIPITATION ZONE: 2

FLOOD HAZARD: From FEMA Map 35001C0351H (8/16/12), this site is identified as being within Zone 'X' which is an area of minimal flood hazard.

OFFSITE FLOW: Offsite flow does not enter this site.

EXISTING CONDITIONS: The site is an undeveloped commercial site that slopes down to the north at 2%. Runoff discharges to the concrete lined channel running along the north side of the lot.

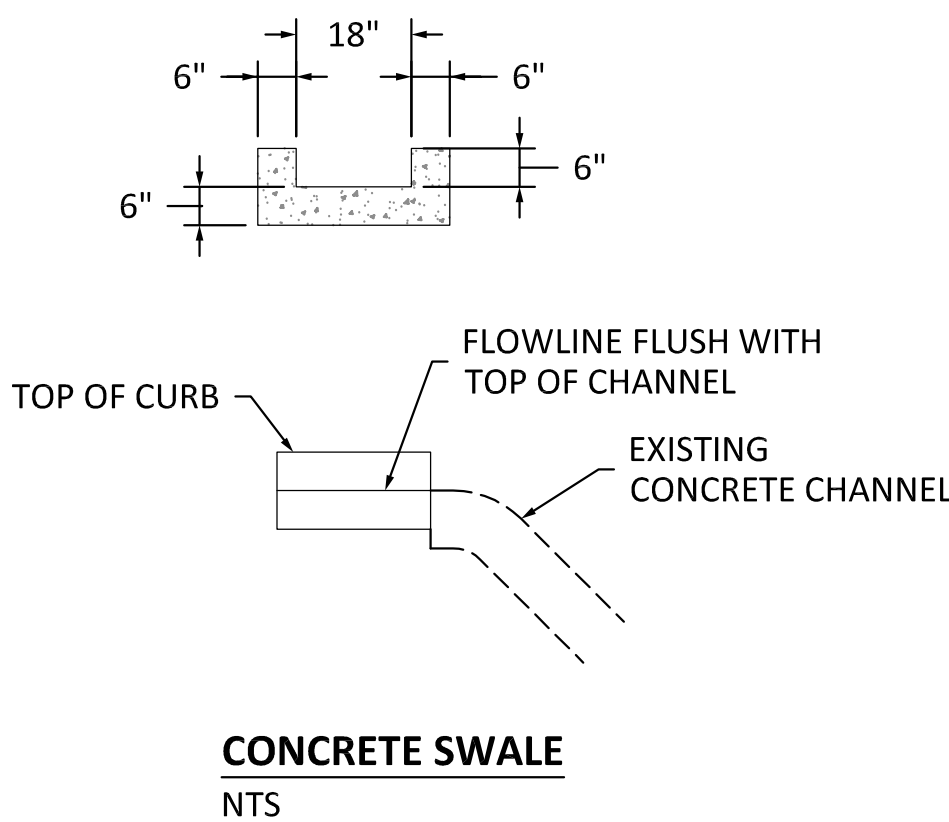
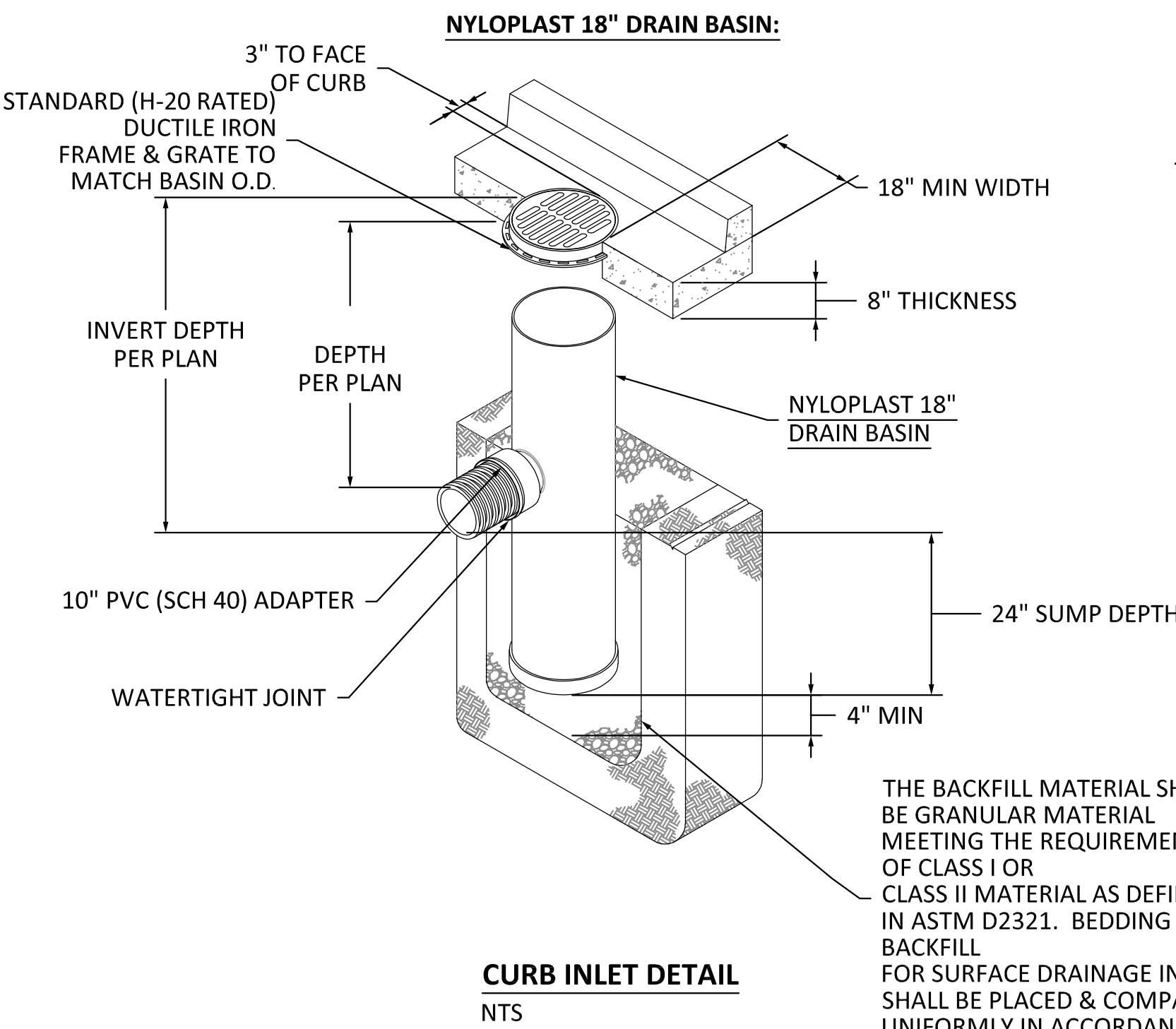
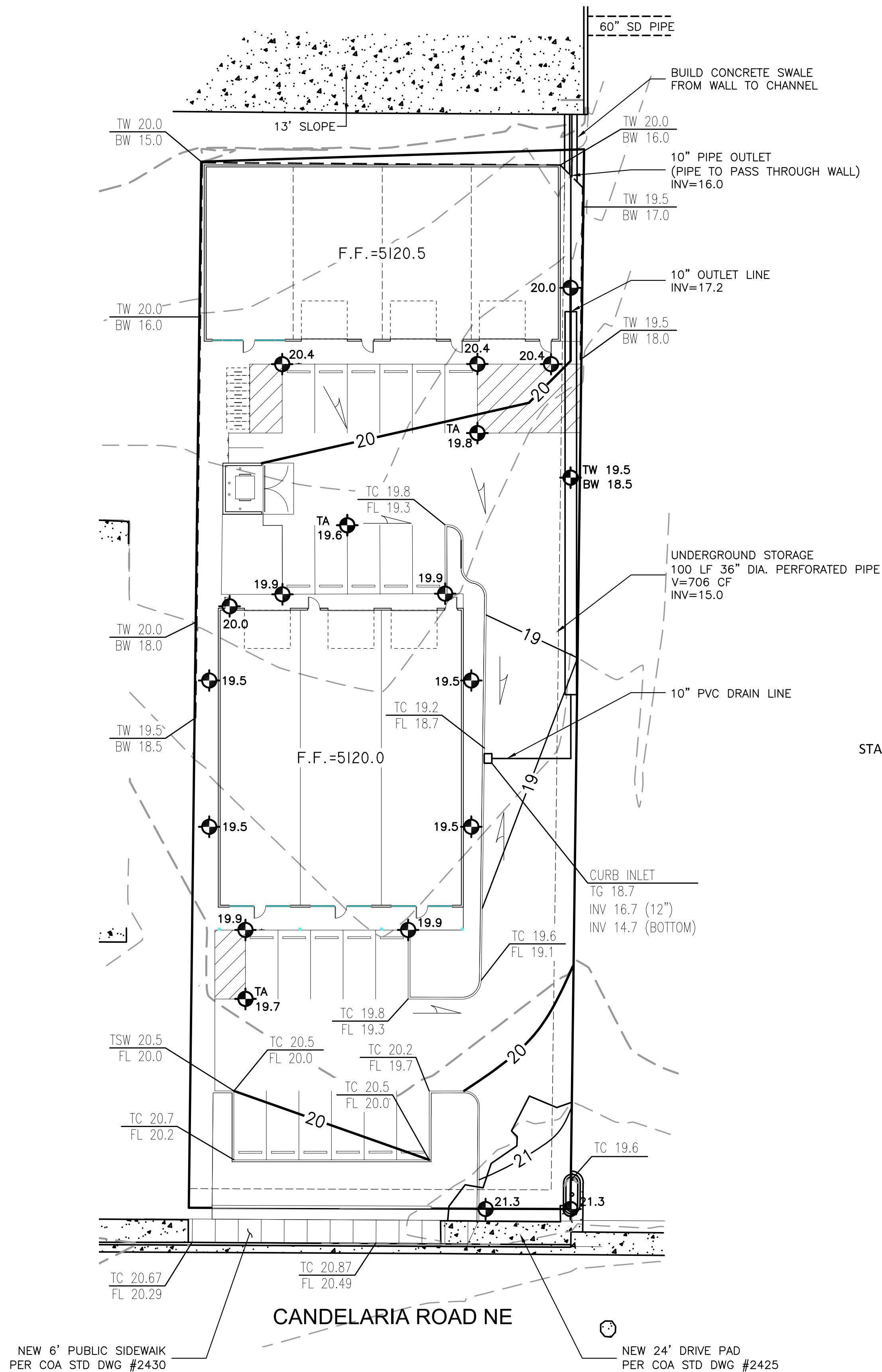
PROPOSED IMPROVEMENTS: Two metal buildings (approximately 4,500 and 5,000 SF) are proposed along with paved parking and access drives and several xeric landscape areas. Landscaped areas will be depressed to retain the rain that falls on them.

DRAINAGE APPROACH: The site drainage pattern will follow historic conditions with the incorporation of onsite retention storage for the first flush volume.

Existing land treatment: 50% B 50% C Precipitation Zone: 2
 $Q = [(.5)(2.28) + (.5)(3.14)](0.63) = 1.7 \text{ CFS}$

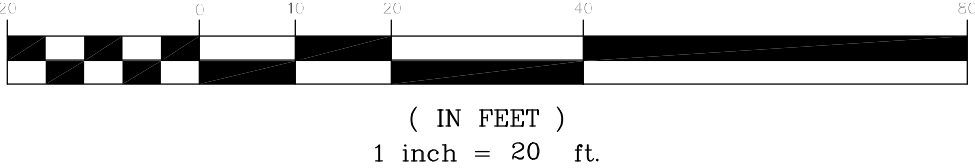
Proposed land treatment: 10% C and 90% D
 $Q = [(0.1)(3.14) + (0.9)(4.70)](0.63) = 2.9 \text{ CFS}$

1ST FLUSH $V = (0.34/12)(24,650) = 698 \text{ CF}$
The proposed retention storage area will provide $V = 706 \text{ CF}$ ($706 > 698 \text{ OK}$)
Manning's $Q_{10} = (1.49/.011)(.545)(.35)(.12) = 3.1 \text{ CFS @ 1.5\% slope}$



THE BACKFILL MATERIAL SHALL BE GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I OR CLASS II MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

GRAPHIC SCALE



Scott M McGee PE
9700 Tanoan Dr NE
Albuquerque, NM 87111
505.263.2905
scottmmcgee@gmail.com