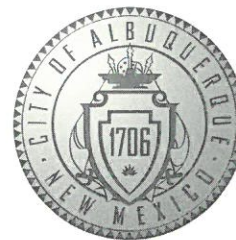


CITY OF ALBUQUERQUE



January 22, 2018

J. Graeme Means, P.E.
High Mesa Consulting Group
6010 B Midway Park Blvd NE
Albuquerque, NM 87109

RE: **Good to Go: Broadway
1401 Broadway Blvd. SE
Grading and Drainage Plan
Engineer's Stamp Date 1/17/2018 (File: L14D022)**

Dear Mr. Means:

Based on the information provided in your submittal received on 1/18/18, this plan is approved for Building Permit.

If you have any questions, please contact me at 924-3986 or e-mail at jhughes@cabq.gov.

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Sincerely,

A handwritten signature in black ink, appearing to read 'James D. Hughes', is written over the typed name.

James D. Hughes P.E.
Principal Engineer, Planning Dept.
Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2015)

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

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

Legal Description: _____

City Address: _____

Applicant: _____ **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 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

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) _____

PRE-DESIGN MEETING?

OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: Yes No

DATE SUBMITTED: _____ By: _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED:

CONSTRUCTION NOTES:

- 1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1997, PUBLISHED BY THE NEW MEXICO CHAPTER AMERICAN PUBLIC WORKS ASSOCIATION. (REVISED 12/06)
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS...
3. 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.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. UTILITY INFORMATION SHOWN HEREON IS BASED UPON ON-SITE SURFACE EVIDENCE AND UTILITY LINE-SPOTS PROVIDED BY HIGH MESA CONSULTING GROUP...
6. THE DESIGN OF PLANTERS AND LANDSCAPED AREAS IS NOT PART OF THIS PLAN. ALL PLANTERS AND LANDSCAPED AREAS ADJACENT TO THE BUILDING(S) SHALL BE PROVIDED WITH POSITIVE DRAINAGE TO AVOID ANY PONDING ADJACENT TO THE STRUCTURE.

EROSION & SEDIMENT CONTROL MEASURES:

- 1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. SPOILS FROM THE PROJECT SHALL NOT BE DEPOSITED OR STORED IN THE STREET OR ROADWAY.
4. SPOILS SHALL BE STAGED ON THE UPSTREAM SIDE OF TRENCHES WHEN TRENCHING IS REQUIRED.
5. THE CONTRACTOR SHALL CLEAN AND REMOVE ALL FUGITIVE DUST, SOIL AND DEBRIS RESULTING FROM THIS PROJECT FROM THE STREET AT THE END OF EACH DAY.
6. CONTRACTOR SHALL LEAVE THE AREA IMMEDIATELY BEHIND THE CURB DEPRESSED TO CONTAIN NUISANCE FLOWS AND SEDIMENT.
7. CONCRETE TRUCKS SHALL BE SENT BACK TO THE PLANT FOR WASHING; THE WASHING OF CONCRETE TRUCKS SHALL NOT BE PERMITTED WITHIN THE PUBLIC RIGHT-OF-WAY.
8. WHEN APPLICABLE, CONTRACTOR SHALL SECURE 'TOPSOIL DISTURBANCE PERMIT' FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.
9. UNLESS FINAL STABILIZATION IS OTHERWISE PROVIDED FOR, ANY AREAS OF EXCESS DISTURBANCE (TRAFFIC ACCESS, STORAGE YARD, EXCAVATED MATERIAL, ETC.) SHALL BE RE-SEED ACCORDING TO CITY OF ALBUQUERQUE SPECIFICATION 1012 'MISCELLANEOUS SEEDING'. THIS WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
10. PROTECT EXISTING STORM DRAIN FACILITIES FROM SEDIMENT AS REQUIRED.

GRADING KEYED NOTES

- 1. CONSTRUCT CURB CUT PER TYPICAL DETAIL, SHEET C3.1
2. DEPRESSED LANDSCAPING FOR WATER QUALITY RETENTION
3. NEW PAVEMENT PER PAVING PLAN, SHEET C1.2
4. CONSTRUCT TRENCH DRAIN PER TYPICAL DETAIL, SHEET C3.1. AT DOWNSTREAM END OF TRENCH DRAIN, INSTALL AND DAYLIGHT STORM DRAIN INTO EXISTING WATER QUALITY AREA. REMOVE AND REPLACE CONCRETE CURB AND GUTTER AS REQUIRED FOR OUTLET INSTALLATION.

CALCULATIONS

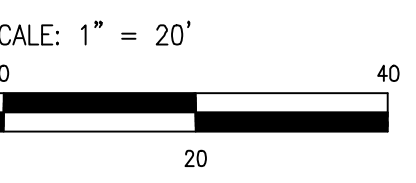
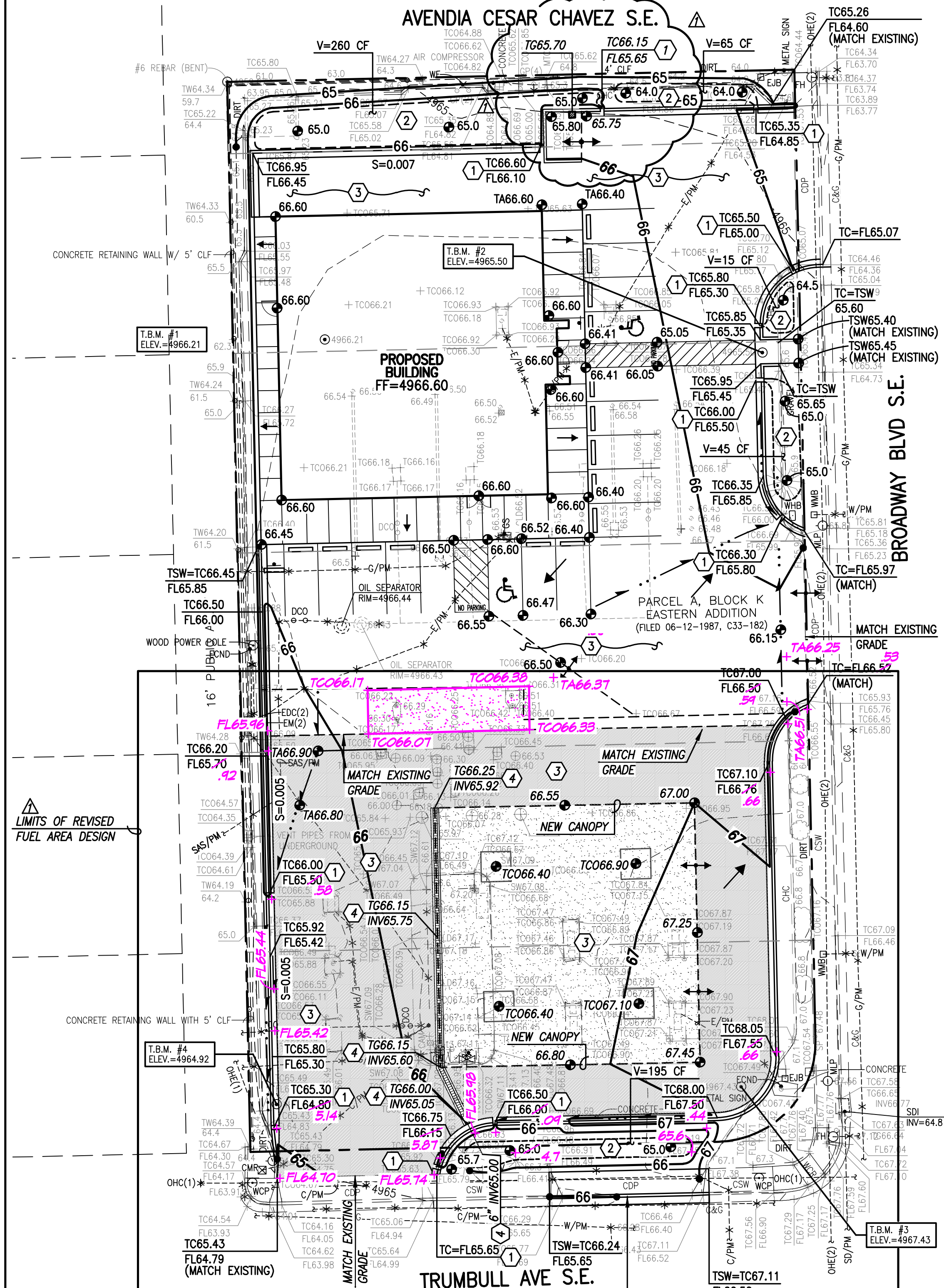
Table with columns: TREATMENT, AREA (SF/AC), %. Includes sections for 1. EXISTING LAND TREATMENT and 2. DEVELOPED LAND TREATMENT.

III. HYDROLOGY

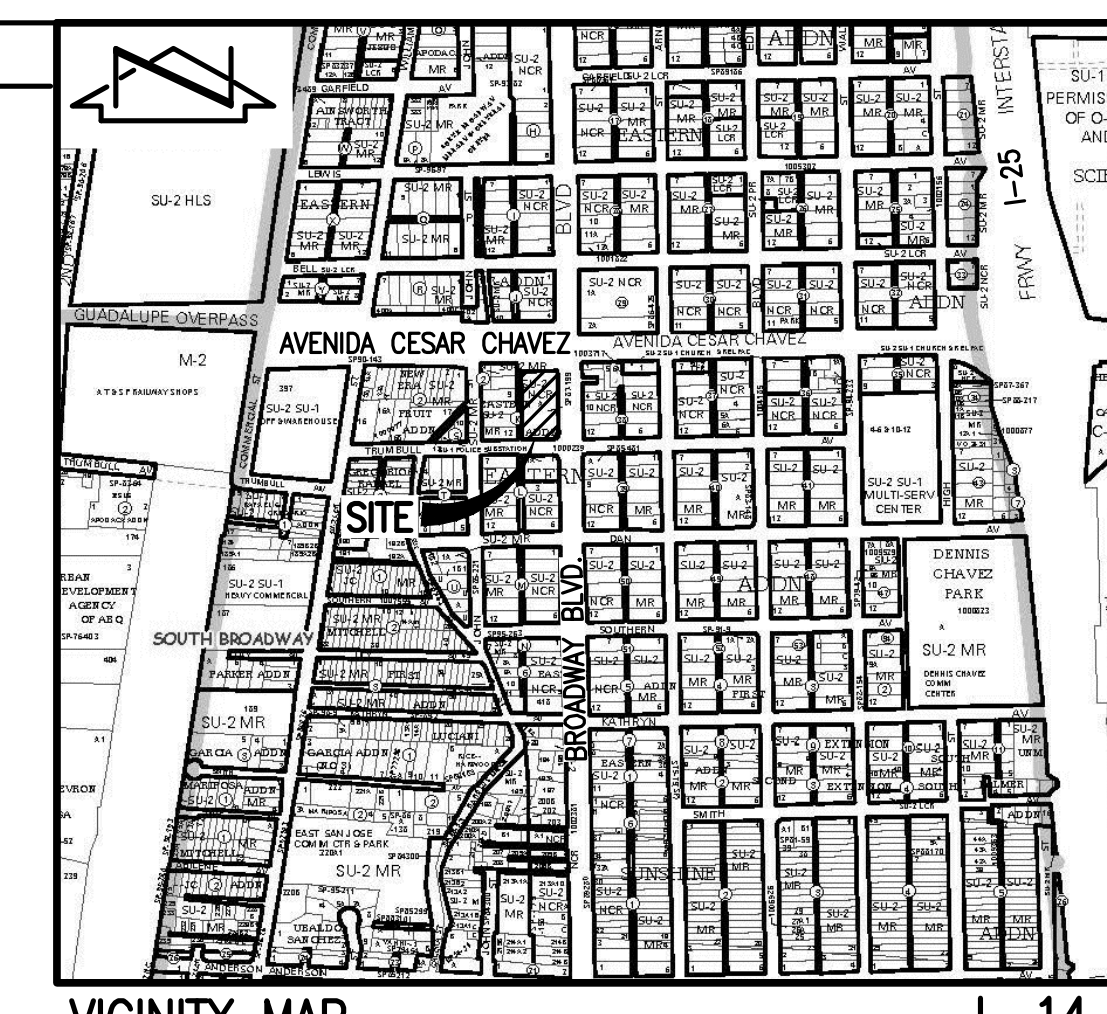
A. EXISTING CONDITION 100 YEAR
1. 100-YR STORM
a. VOLUME 100-YR, 6-HR
Ew = (E1A1 + E2A2 + E3A3 + E4A4) / A
Ew = (0.53 * 0.00) + (0.78 * 0.00) + (1.13 * 0.05) + (2.12 * 0.82) / 0.87 = 2.07 IN
V100.6 HR = (Ew / 12) * A = (2.07 / 12) * 0.87 = 0.1499 AC-FT = 6,530 CF
b. PEAK DISCHARGE
Qp = (1.56 * 0.00) + (2.28 * 0.00) + (3.14 * 0.05) + (4.70 * 0.82) = 4.0 CFS
B. DEVELOPED CONDITION
1. 100-YR STORM
a. VOLUME
Ew = (E1A1 + E2A2 + E3A3 + E4A4) / A
Ew = (0.53 * 0.00) + (0.78 * 0.00) + (1.13 * 0.10) + (2.12 * 0.76) / 0.87 = 2.00 IN
V100.6 HR = (Ew / 12) * A = (2.00 / 12) * 0.87 = 0.1448 AC-FT = 6,310 CF
b. PEAK DISCHARGE
Qp = (1.56 * 0.00) + (2.28 * 0.00) + (3.14 * 0.10) + (4.70 * 0.76) = 3.9 CFS
C. COMPARISON 100 YEAR
1. 100-YR STORM
a. VOLUME 100-YR, 6-HR
Delta V100.6 HR = 6310 - 6530 = -220 CF (DECREASE) *
b. PEAK DISCHARGE
Delta Q100 = 3.9 - 4.0 = -0.1 CFS (DECREASE) *
* DOES NOT INCLUDE PONDING WHICH IS A GREATER REDUCTION.
D. FIRST FLUSH CALCULATIONS
1. RETENTION REQUIREMENT
a. VOLUME
VFG = ((P1 - I1) * A) / 12
VFG = ((0.44 - 0.10) / 12) * (33320.70) = 940 CF
2. WATER QUALITY PONDING PROVIDED ON-SITE (BASED ON AVERAGE END AREA METHOD)
Vcap = 280 + 15 * 45 + 195 * 65 = 580 CF

DRAINAGE PLAN

I. INTRODUCTION AND EXECUTIVE SUMMARY
THIS PROJECT, LOCATED IN THE SOUTH BROADWAY AREA OF ALBUQUERQUE, REPRESENTS A MODIFICATION TO AN EXISTING SITE WITHIN AN INFILL AREA. ON A DEVELOPED SITE CONTAINS AN EXISTING BUILDING, PAVEMENT, A GAS STALL CANOPY, CARWASH, AND LANDSCAPED AREAS. THE PROPOSED REDEVELOPMENT IS COMPRISED OF NEW BUILDING CONSTRUCTION, PAVING IMPROVEMENTS, LANDSCAPING, AND UTILITY IMPROVEMENTS. THE DRAINAGE PLAN FOR THIS PROJECT WILL CONTINUE TO FOLLOW EXISTING DRAINAGE PATTERNS INTO BROADWAY BLVD AND TRUMBULL AVE AND WILL REDUCE THE PEAK DISCHARGE RATE. THERE ARE NO OFF-SITE FLOWS THAT DRAIN INTO THE SITE.
II. PROJECT DESCRIPTION
AS SHOWN BY THE VICINITY MAP ON SHEET C1.1, THE SITE LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF BROADWAY BLVD, SE AND TRUMBULL AVE, SE. THE CURRENT LEGAL DESCRIPTION IS PARCEL A COMPRISING LOTS TWO(2) THRU SIX(6), INCLUSIVE AND THE SOUTHERLY 18 OF LOT ONE(1), BLOCK 'K' EASTERN ADDITION. AS SHOWN BY PANEL 334 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALLI COUNTY, NEW MEXICO SEPTEMBER 26, 2008, THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE.
III. BACKGROUND DOCUMENTS
THE FOLLOWING IS A LIST OF DOCUMENTS RELATED TO THE SITE AND SURROUNDING AREA. THE LIST MAY NOT BE ALL INCLUSIVE, HOWEVER REPRESENTS A SUMMARY OF THE RELEVANT PLANS AND DOCUMENTS WHICH ARE KNOWN TO THE ENGINEER AT THE TIME OF THE PLAN PREPARATION.
A. TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (HMC), DATED 08/19/2016 (N.M.P.S. 15075). THE SURVEY DOCUMENTS THE EXISTING CONDITIONS FOR THE SITE.
B. GRADING AND DRAINAGE PLAN FOR DIAMOND SHAMROCK GAS STATION, PREPARED BY LEE ENGINEERING, R.G. LEE N.M.P.E. DATED 6/26/1987. THIS ESTABLISHED FREE DISCHARGE FROM THE DEVELOPED SITE TO BROADWAY BLVD SE AND TRUMBULL AVE, SE AND A DISCHARGE RATE OF 3.69 CFS. THE PRECIPITATION DEPTH, RATIONAL METHOD COEFFICIENT, AND PEAK INTENSITY USED TO CALCULATE THIS PEAK DISCHARGE RATE ARE LOWER THAN THE STANDARD VALUES USED IN THE CURRENT DPM WHICH ACCOUNTS FOR THE DIFFERENCE IN DISCHARGE RATES BETWEEN OUR CALCULATED EXISTING RATE AND APPROVED DEVELOPED RATE SHOWN ON THIS PLAN.
I. EXISTING CONDITIONS
THE EXISTING SITE CONSISTS OF A GAS STATION BUILDING, CANOPY, CAR LOCATED WITHIN AN INFILL AREA. THE SITE ALSO CONTAINS EXISTING CONCRETE PAVING, CURB AND GUTTER, LANDSCAPING, AND AN EXISTING RETAINING WALL ALONG THE WEST EDGE OF THE SITE. THE SITE IS DIVIDED BY A HIGH POINT THAT RUNS NORTHWEST TO SOUTHWEST THROUGH THE SITE. THE AREA SOUTH OF THE HIGH POINT DRAINS FROM NORTHEAST TO SOUTHWEST AND FREELY DISCHARGES INTO TRUMBULL AVE THROUGH THE EXISTING DRIVEPAD ENTRANCES LOCATED ON THIS SOUTH SIDE OF THE SITE. THE AREA NORTH OF THE HIGH POINT FROM SOUTHWEST TO NORTHEAST AND FREELY DISCHARGES INTO BROADWAY BLVD. THROUGH THE EXISTING DRIVEPAD ENTRANCES LOCATED ON THIS EAST SIDE OF THE SITE. THE EXISTING TOTAL DISCHARGE THAT LEAVES THE SITE IS 4.0 CFS. THERE ARE NO OFFSITE FLOWS INTO THE SITE.
II. DEVELOPED CONDITIONS
AS PART OF THE NEW DEVELOPMENT THE EXISTING GAS STATION BUILDING AND CARWASH WILL BE DEMOLISHED AND ONE OF THE EXISTING DRIVE PAD ENTRANCES ALONG TRUMBULL AVE. WILL BE REMOVED AND REPLACED WITH SIDEWALK AND CURB AND GUTTER. THE EXISTING CANOPY AND GAS STALLS WILL REMAIN. THE EXISTING RETAINING WALL AND CURB ALONG THE WEST EDGE OF THE SITE WILL ALSO REMAIN UNDISTURBED. THE NEW SITE WILL CONTAIN A NEW BUILDING, PAVEMENT, SIDEWALKS, AND DEPRESSED LANDSCAPED AREAS FOR WATER QUALITY RETENTION. THE DEVELOPED SITE WILL STILL FOLLOW THE EXISTING DRAINAGE PATTERN OF SPLITTING THE SITE RUNOFF AND FREELY DISCHARGING INTO TRUMBULL AVE AND BROADWAY BLVD BUT UNLIKE IN THE EXISTING CONDITION, A PORTION OF THE RUNOFF WILL BE DIRECTED TOWARDS DEPRESSED LANDSCAPED AREAS PRIOR TO LEAVING THE SITE. THE PROPOSED TOTAL DISCHARGE THAT LEAVES THE SITE WILL BE 3.9 CFS WHICH IS A 0.1 CFS REDUCTION TO THE EXISTING DISCHARGE. THIS RATE IS SLIGHTLY HIGHER THAN THE APPROVED DEVELOPED DISCHARGE OF 3.69 CFS BUT THIS DIFFERENCE IS ATTRIBUTABLE TO FACTORS DESCRIBED ABOVE IN THE BACKGROUND DOCUMENT SECTION. AS IN THE EXISTING CONDITION, THERE WILL CONTINUE TO BE NO OFFSITE FLOWS IMPACTING THE PROJECT SITE.
THE PROPOSED LANDSCAPED WATER HARVESTING AREAS WITHIN AND AT THE PERIMETER OF THE DEVELOPED SITE WILL CAPTURE AND TREAT THE FIRST FLUSH RUNOFF GENERATED BY THE PROPOSED IMPROVEMENTS TO THE MAXIMUM EXTENT PRACTICABLE. FIRST FLUSH CALCULATIONS FOR THE DEVELOPED SITE SHOW THAT 940 CF OF WATER HARVESTING IS REQUIRED. AVERAGE END AREA METHOD CALCULATIONS FOR THE DEVELOPED SITE DEMONSTRATE THAT THE COMBINED ON-SITE WATER HARVESTING AREA CAPACITY IS 580 CF. DUE TO THE TOPOGRAPHY LIMITATIONS AND THIS BEING A PARTIAL MODIFICATION TO AN EXISTING SITE, NO ADDITIONAL WATER QUALITY AREAS ARE AVAILABLE.
II. GRADING PLAN
THE GRADING PLAN ON SHEET C1.1 SHOWS 1) THE EXISTING GRADES INDICATED BY THE CONTOURS AT 1 FOOT INTERVALS AND SPOT ELEVATIONS FROM THE TOPOGRAPHIC SURVEY REFERENCED ABOVE BY THIS OFFICE; 2) THE LIMIT AND CHARACTER OF EXISTING IMPROVEMENTS AS SHOWN BY THE AFOREMENTIONED SURVEY; 3) THE LIMIT AND CHARACTER OF THE PROPOSED IMPROVEMENTS; 4) PROPOSED GRADES INDICATED BY CONTOURS AT 1 FOOT INTERVALS AND SPOT ELEVATIONS; AND 5) CONTINUITY BETWEEN EXISTING AND PROPOSED GRADES.
III. CALCULATIONS
THE CALCULATIONS CONTAINED HEREON ANALYZE THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100 YEAR, 6-HOUR RAINFALL EVENT, THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS, AS SET FORTH IN THE REVISIONS OF SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA, DATED JANUARY 1993 AND REVISED 1997, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED. AS SHOWN BY THE CALCULATIONS, THERE WILL BE A DECREASE IN THE 100-YEAR PEAK DISCHARGE AND VOLUME RUNOFF ATTRIBUTABLE TO THIS PROJECT DUE TO THE ADDITION OF LANDSCAPED AREAS. THE DISCHARGE WILL BE FURTHER REDUCED DUE TO THE CONSTRUCTION OF WATER QUALITY PONDS.
IV. CONCLUSIONS
THE FOLLOWING CONCLUSIONS HAVE BEEN ESTABLISHED FROM THE EVALUATIONS CONTAINED HEREIN:
1. THE PROPOSED IMPROVEMENTS REPRESENT MODIFICATIONS TO AN EXISTING DEVELOPED SITE.
2. THE PROPOSED IMPROVEMENTS WILL NOT SIGNIFICANTLY ALTER THE EXISTING DRAINAGE PATTERNS ON SITE.
3. THE PROPOSED IMPROVEMENTS WILL RESULT IN A DECREASE IN THE DEVELOPED RUNOFF GENERATED BY THE SITE.
4. THE PROPOSED IMPROVEMENTS WILL RESULT IN A DECREASE IN THE DEVELOPED DISCHARGE RATE.
5. THE PROPOSED IMPROVEMENTS WILL NOT ADVERSELY IMPACT DOWNSTREAM PROPERTIES OR DOWNSTREAM DRAINAGE CONDITIONS.



NOTE: THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE TOPOGRAPHIC AND UTILITY INFORMATION DEPICTED HEREON IS BASED UPON THE TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, N.M.P.S. NO. 15075, DATED 08/19/2016 (2016.039.1).



VICINITY MAP L-14



F.I.R.M. PANEL 334 OF 825 DATED 9/26/2008

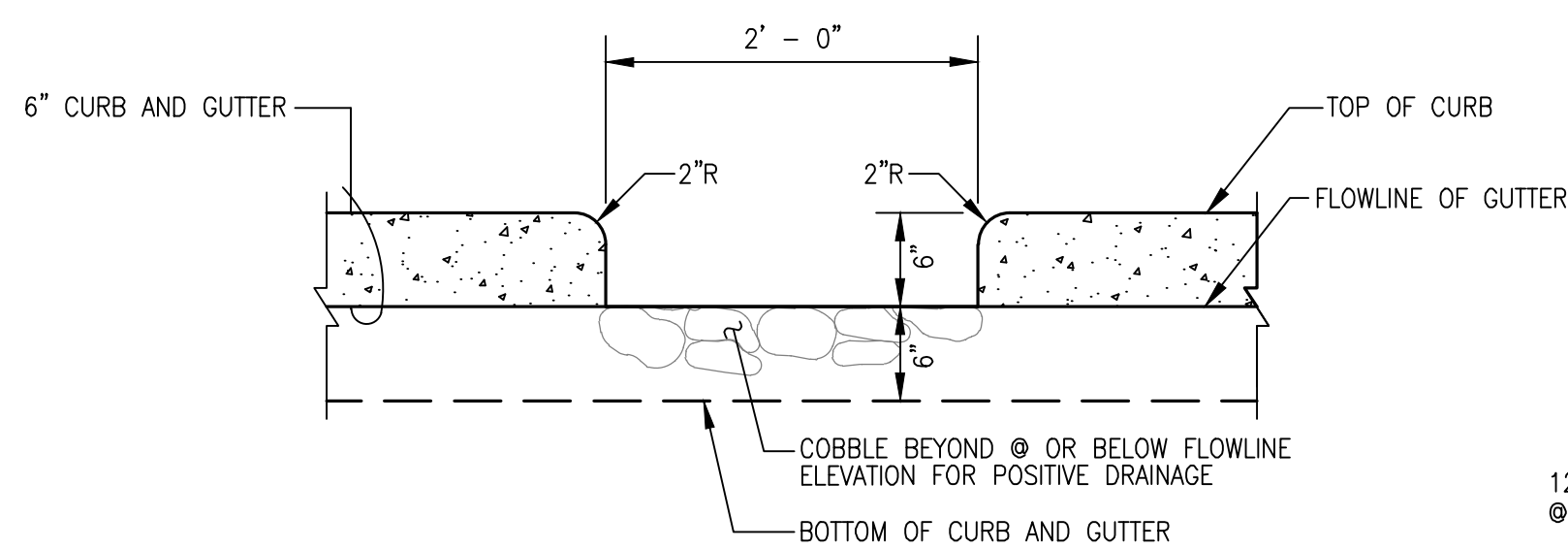
PROJECT BENCHMARK
AGRS 3 1/4" ALUMINUM DISC STAMPED "12-L14 1987", SET FLUSH WITH TOP OF THE WEST CURB, APPROXIMATELY 70 FEET NORTH OF THE INTERSECTION OF THIRD STREET SW. AND SECOND STREET SW.
NORTHING: 1,480,971.075 (GRID)
EASTING: 1,520,049.232 (GRID)
ELEVATION = 4947.708 FEET (NAVD 1988)
1/CF = 1.000316270
TEMPORARY BENCHMARK #1 (T.B.M.)
A CHISELED "+" SCRIBED IN CONCRETE NEAR THE NORTHWEST CORNER OF THE CARWASH, AS SHOWN ON THIS SHEET.
ELEVATION = 4966.21 FEET (NAVD 1988)
TEMPORARY BENCHMARK #2 (T.B.M.)
A CHISELED "+" SCRIBED IN CONCRETE NEAR THE NORTHEAST CORNER OF THE CARWASH, AS SHOWN ON THIS SHEET.
ELEVATION = 4965.50 FEET (NAVD 1988)
TEMPORARY BENCHMARK #3 (T.B.M.)
A MAG NAIL SET IN CONCRETE JOINT AT THE SOUTHWEST CORNER OF THE SITE, AS SHOWN ON THIS SHEET.
ELEVATION = 4967.43 FEET (NAVD 1988)
TEMPORARY BENCHMARK #4 (T.B.M.)
A CHISELED "+" SCRIBED IN CONCRETE AT THE SOUTHWEST CORNER OF THE SITE, AS SHOWN ON THIS SHEET.
ELEVATION = 4964.92 FEET (NAVD 1988)

LEGEND

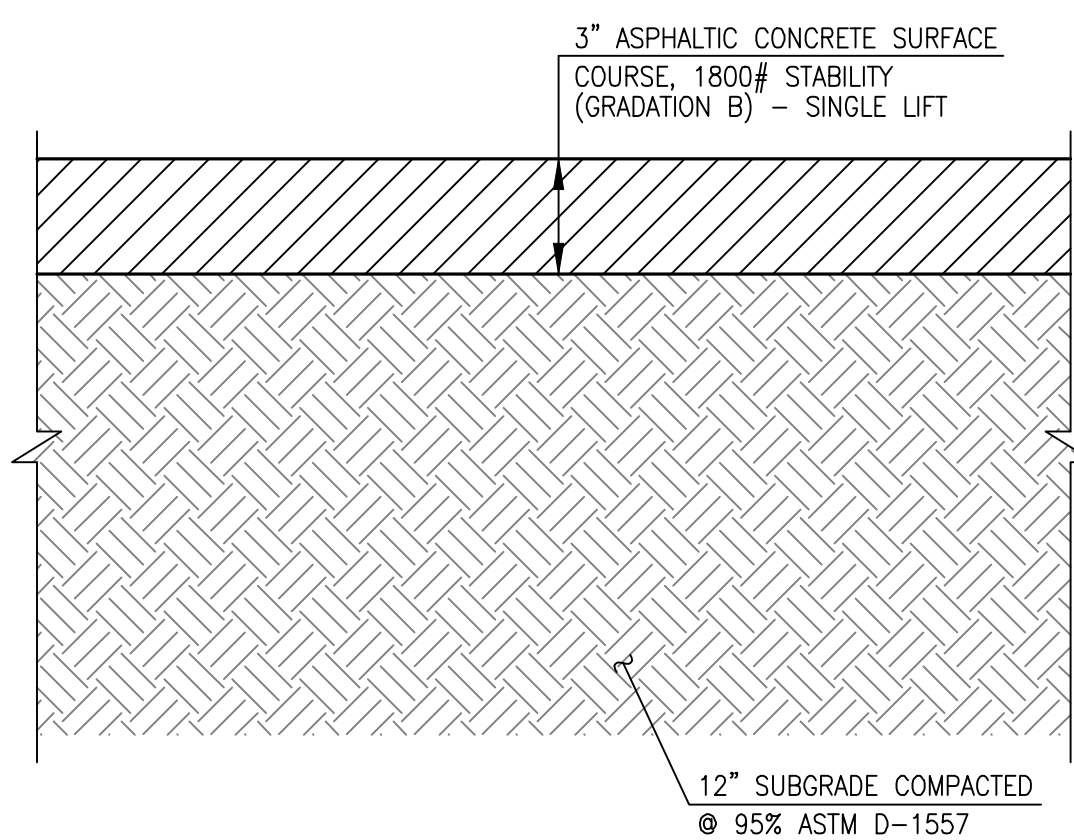
Legend table with columns for symbols and descriptions. Includes items like CURB AND GUTTER, ROOF DRAIN, INVERT, TOP OF ASPHALT PAVEMENT, etc.

High MESA Consulting Group logo and contact information: 6010-B MIDWAY PARK BLVD. NE, ALBUQUERQUE, NEW MEXICO 87109. PHONE: 505.345.4250 FAX: 505.345.4254 www.highmesaeng.com

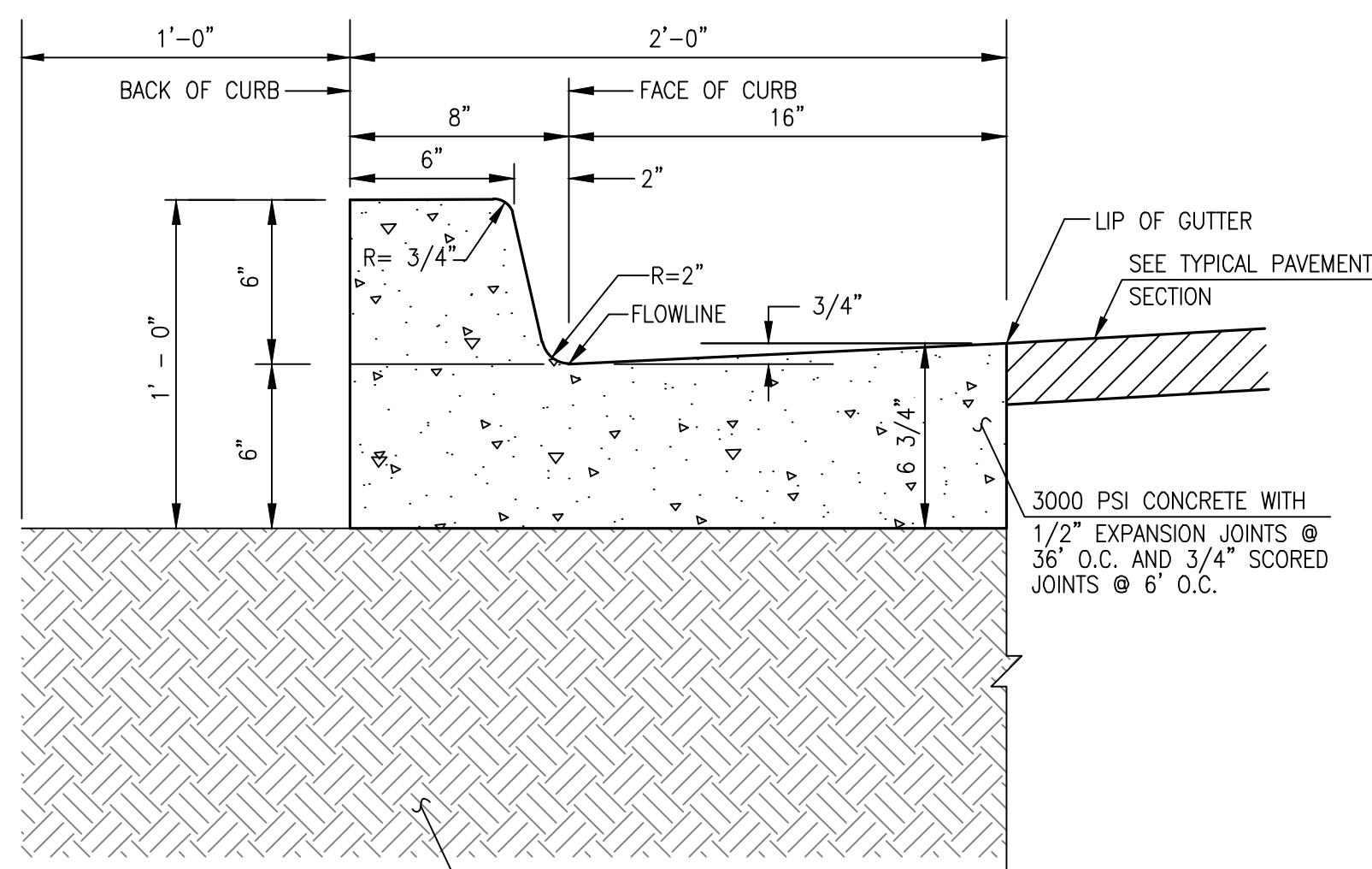
Professional seal for James H. Wyatt, AIA, License No. 13678. Project title: NEW BUILDING FOR GOOD 2 GO CONVENIENCE STORE ALBUQUERQUE NO. 309 ALBUQUERQUE, NEW MEXICO. SHEET TITLE: PROPOSED GRADING PLAN. SHEET NO.: C1.1. DRAWING NO.: 2016.042.1



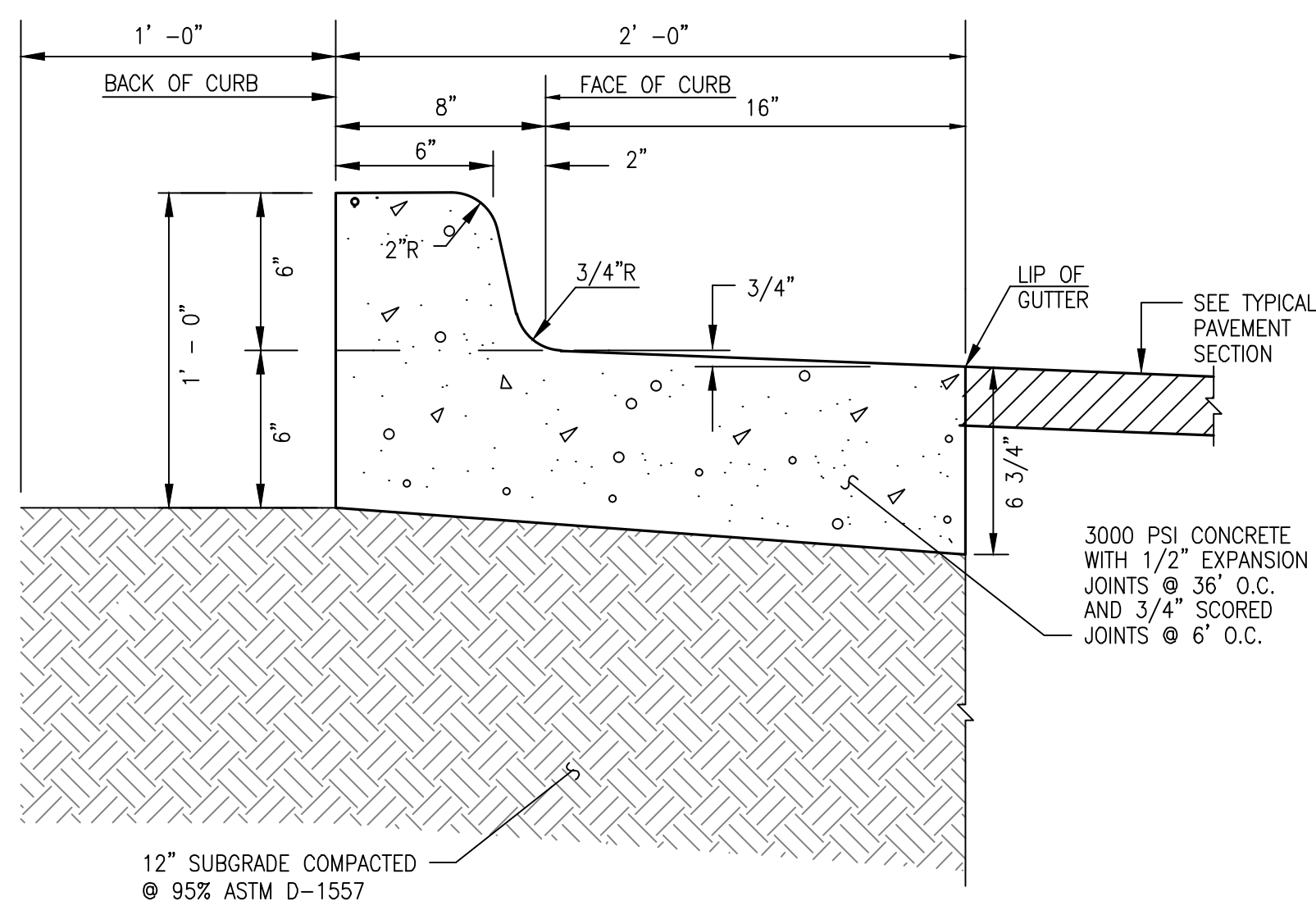
CURB CUT SECTION
SCALE: 1" = 1'-0"



TYPICAL 3" ASPHALT PAVING SECTION (VEHICULAR TRAFFIC AREAS)
SCALE: 1" = 5"

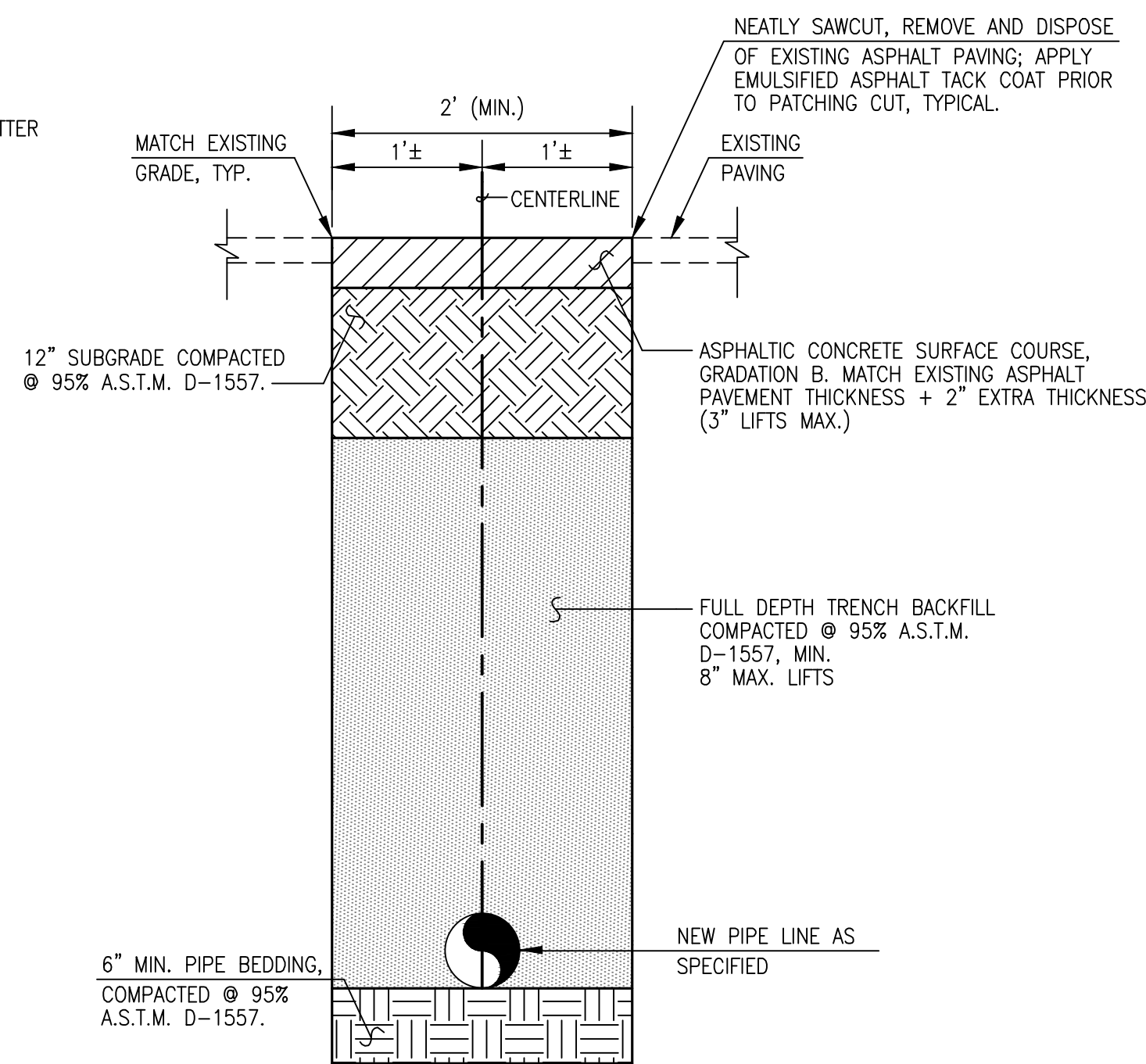


TYPICAL SIX-INCH CURB & GUTTER
SCALE: 1" = 0'-6"

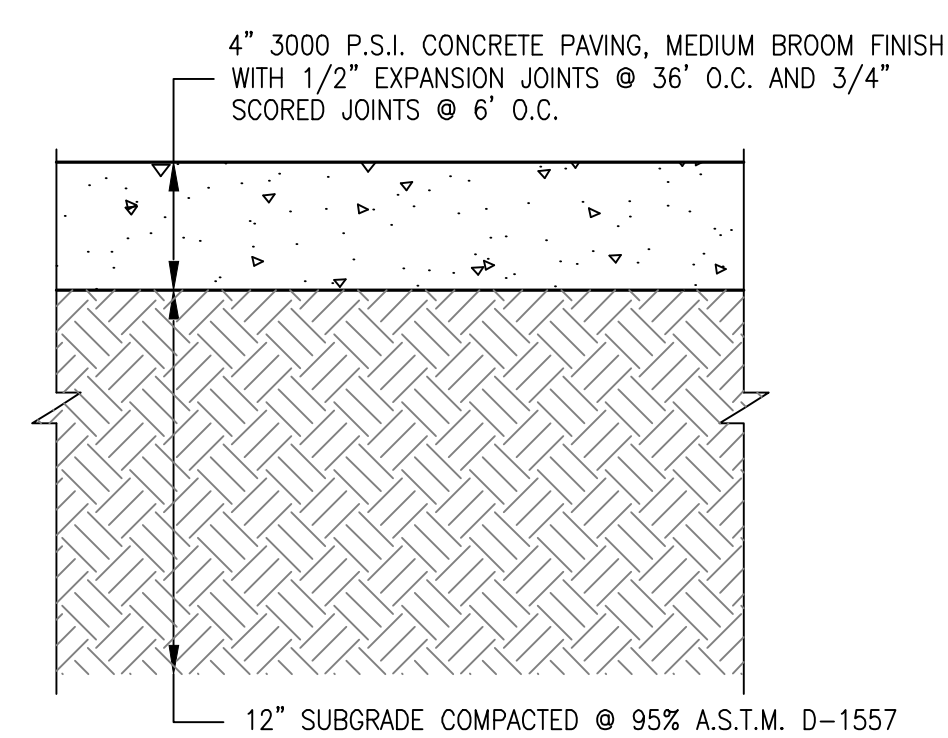


TYPICAL SIX-INCH DEPRESSED CURB AND GUTTER
SCALE: 1" = 0'-6"

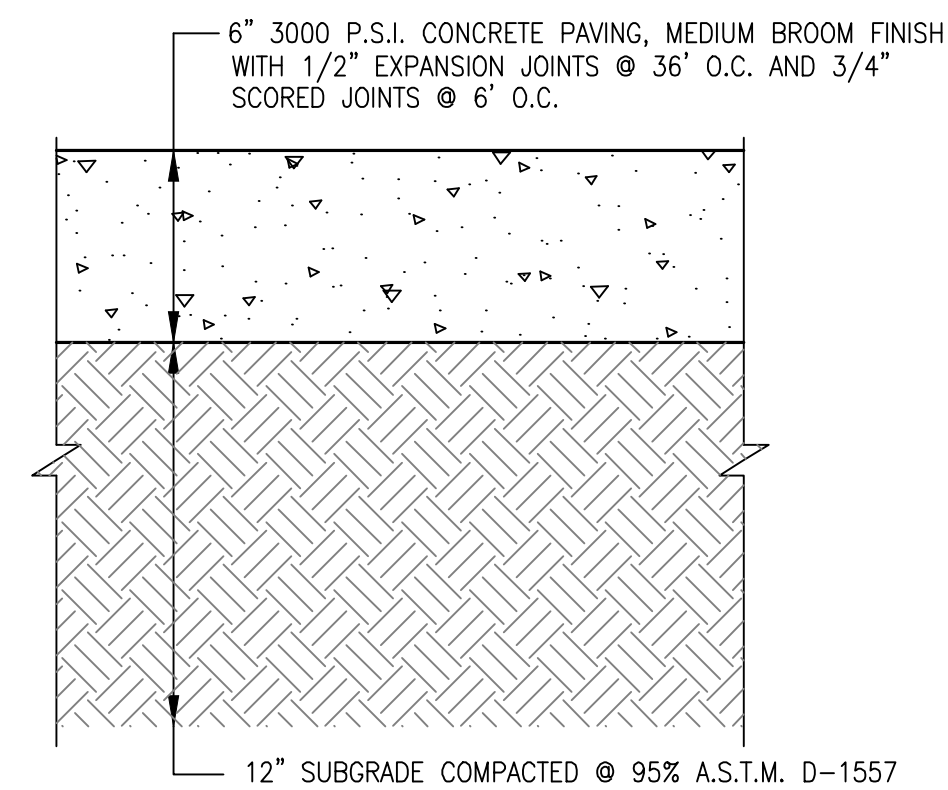
NOTE: USE THIS SECTION FOR CASES WHERE PAVING SLOPES AWAY FROM FACE OF CURB



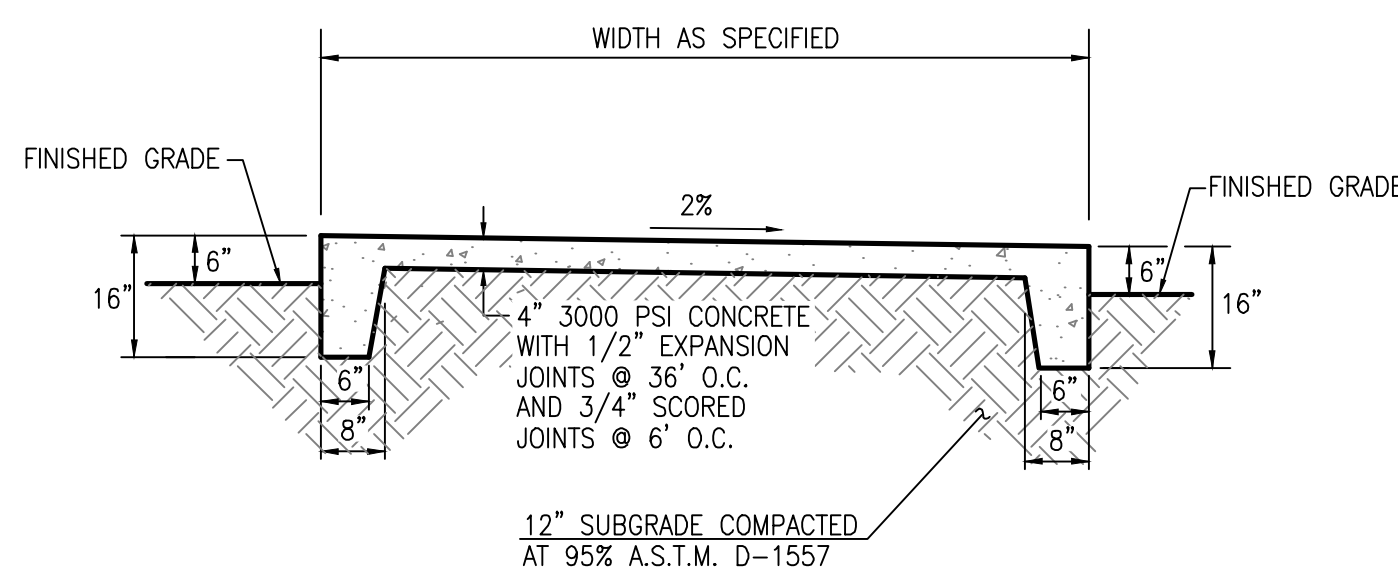
TYPICAL PRIVATE PAVING UTILITY CUT AND PAVEMENT REPLACEMENT SECTION
SCALE: 1"=1"



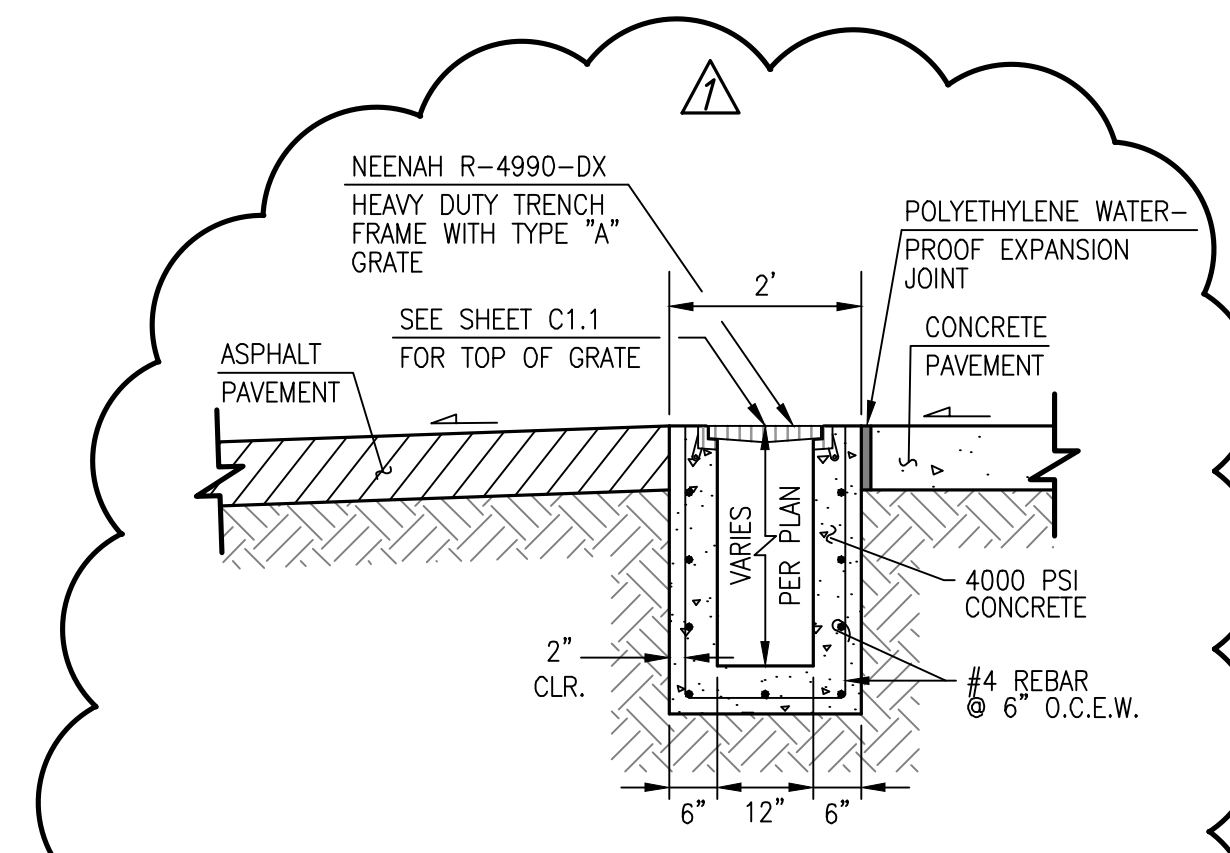
TYPICAL CONCRETE SIDEWALK SECTION
SCALE: 1" = 6"



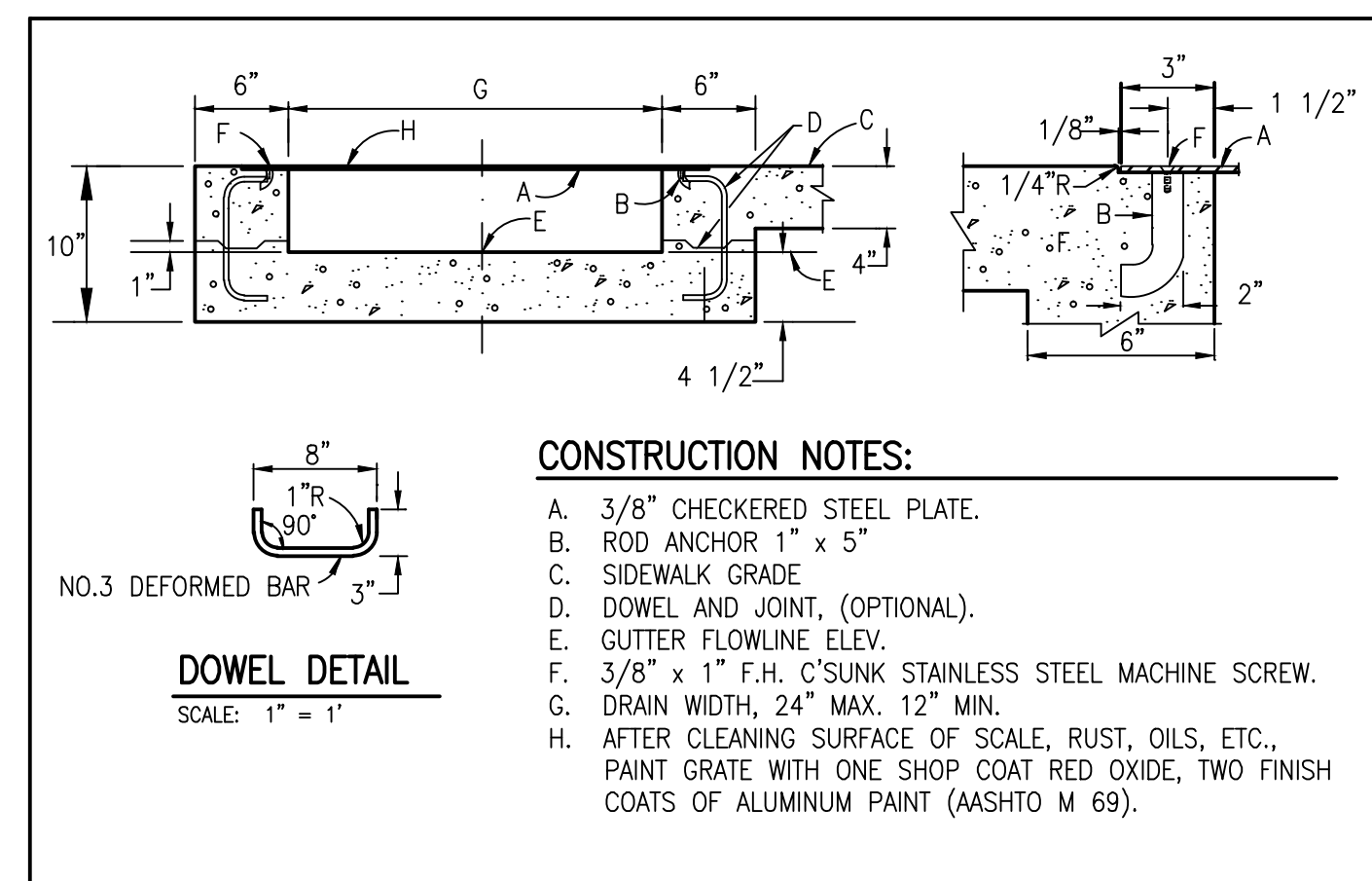
TYPICAL CONCRETE PAVEMENT SECTION
SCALE: 1" = 6"



TYPICAL DOUBLE TURNDOWN SIDEWALK SECTION
SCALE: 1" = 2'-0"



TYPICAL SECTION THROUGH TRENCH DRAIN
SCALE: 1" = 2'-0"

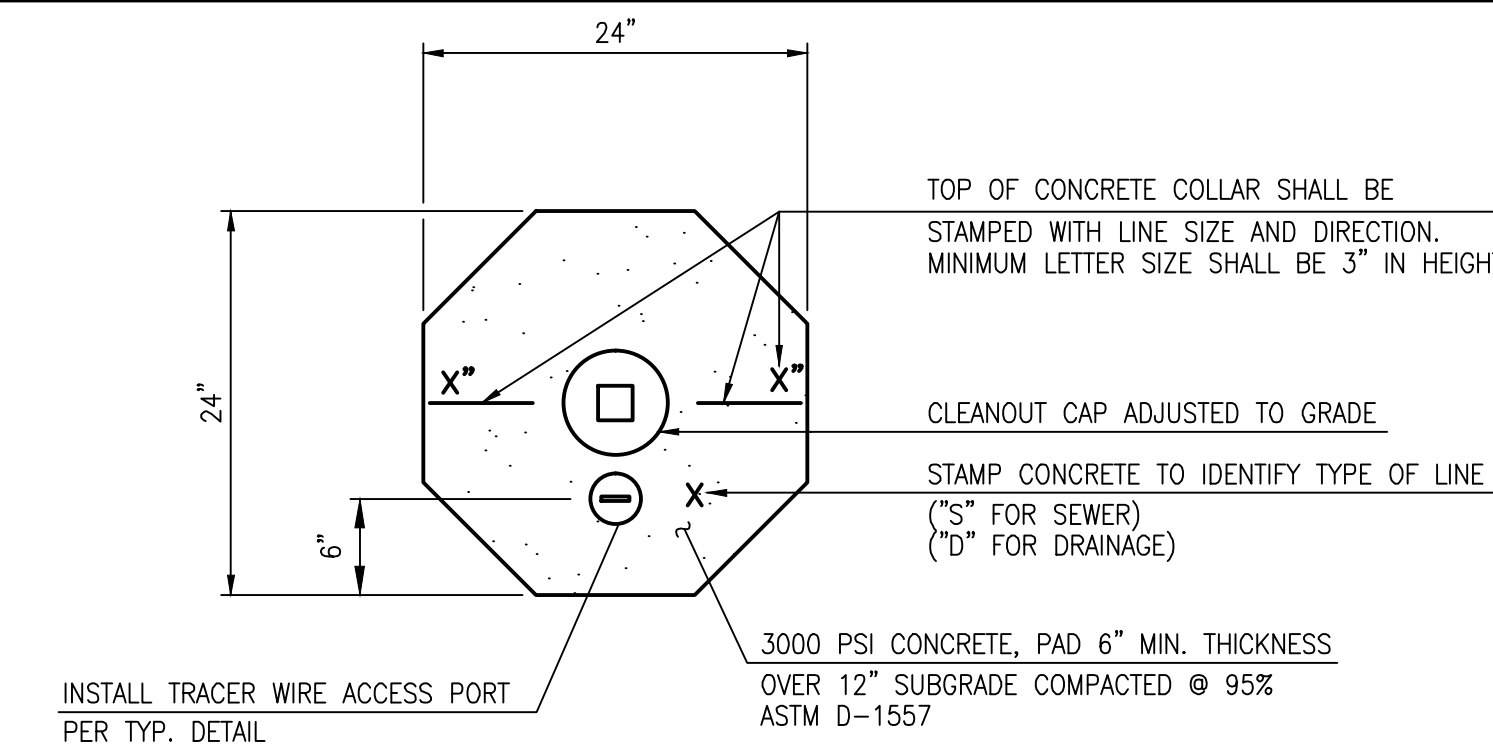


SIDEWALK CULVERT SECTION
SCALE: 1" = 2"

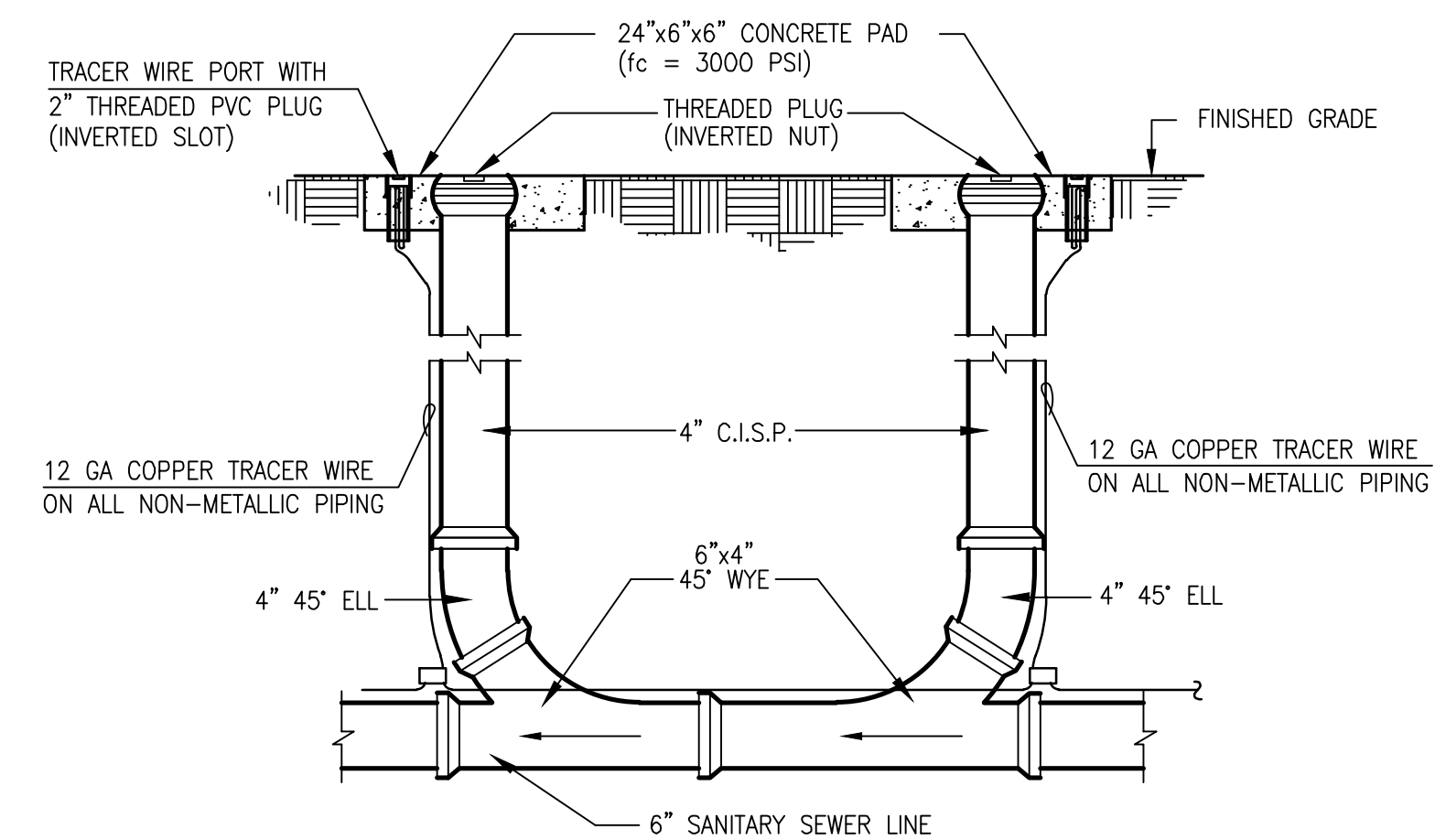
CONSTRUCTION NOTES:

- A. 3/8" CHECKERED STEEL PLATE.
- B. ROD ANCHOR 1" x 5"
- C. SIDEWALK GRADE
- D. DOWEL AND JOINT, (OPTIONAL).
- E. GUTTER FLOWLINE ELEV.
- F. 3/8" x 1" F.H. C'SUNK STAINLESS STEEL MACHINE SCREW.
- G. DRAIN WIDTH, 24" MAX. 12" MIN.
- H. AFTER CLEANING SURFACE OF SCALE, RUST, OILS, ETC., PAINT GRATE WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS OF ALUMINUM PAINT (AASHTO M 69).

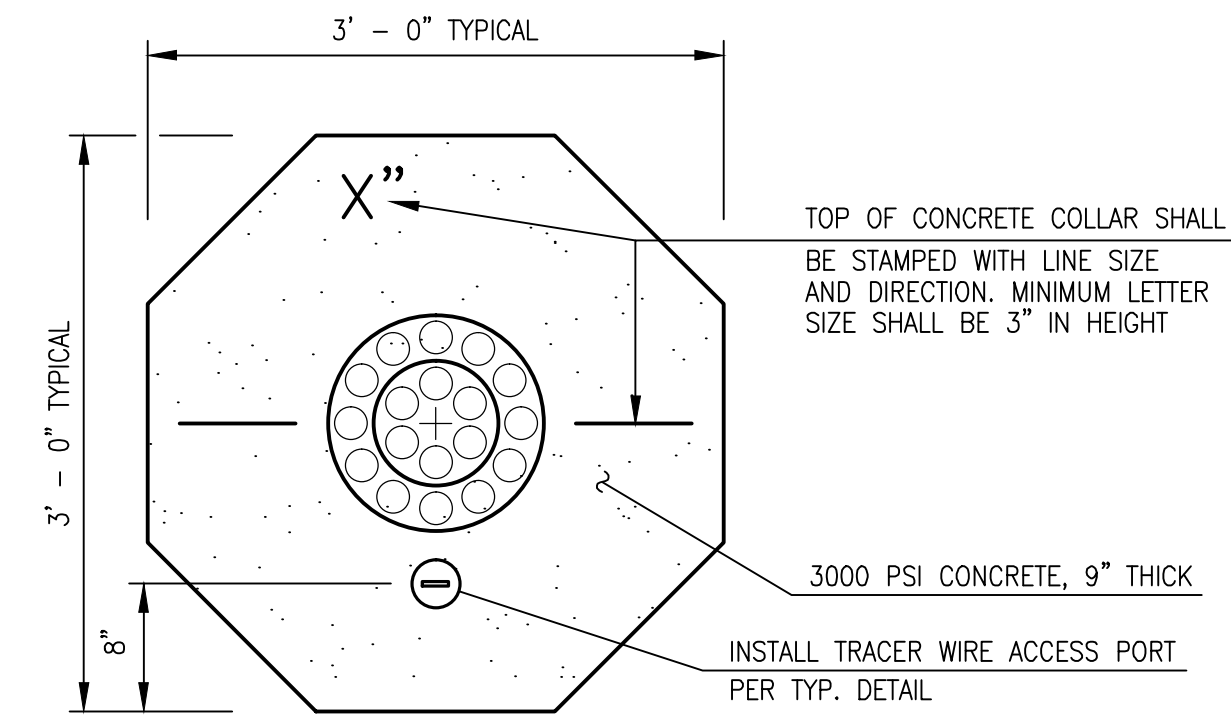
DOWEL DETAIL
SCALE: 1" = 1"



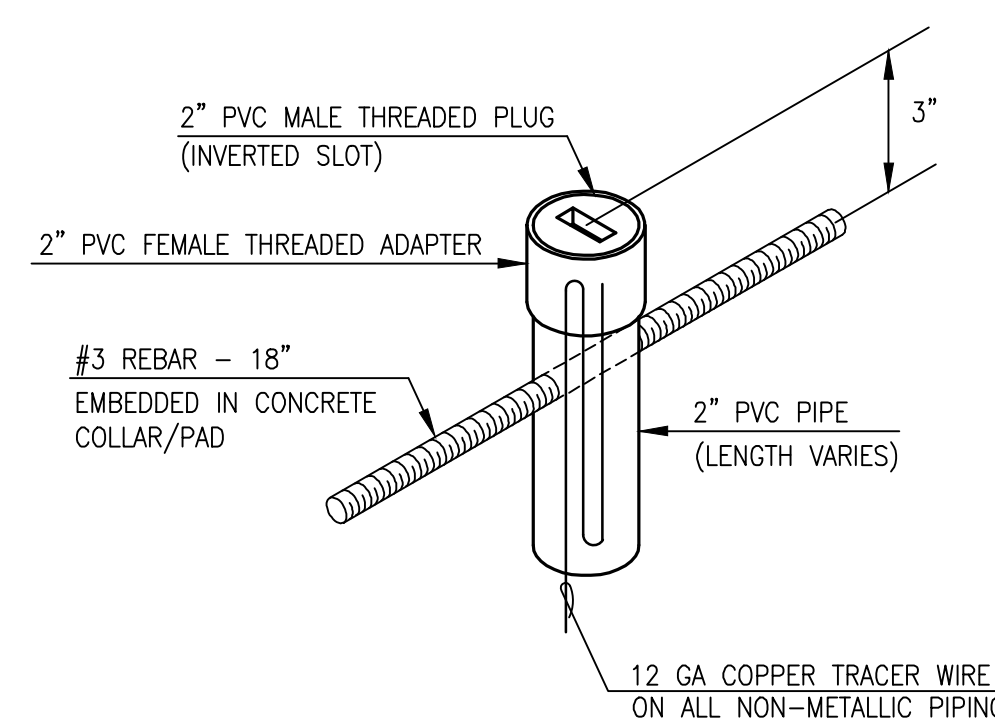
TYPICAL CLEANOUT COLLAR DETAIL
SCALE: 1" = 1"



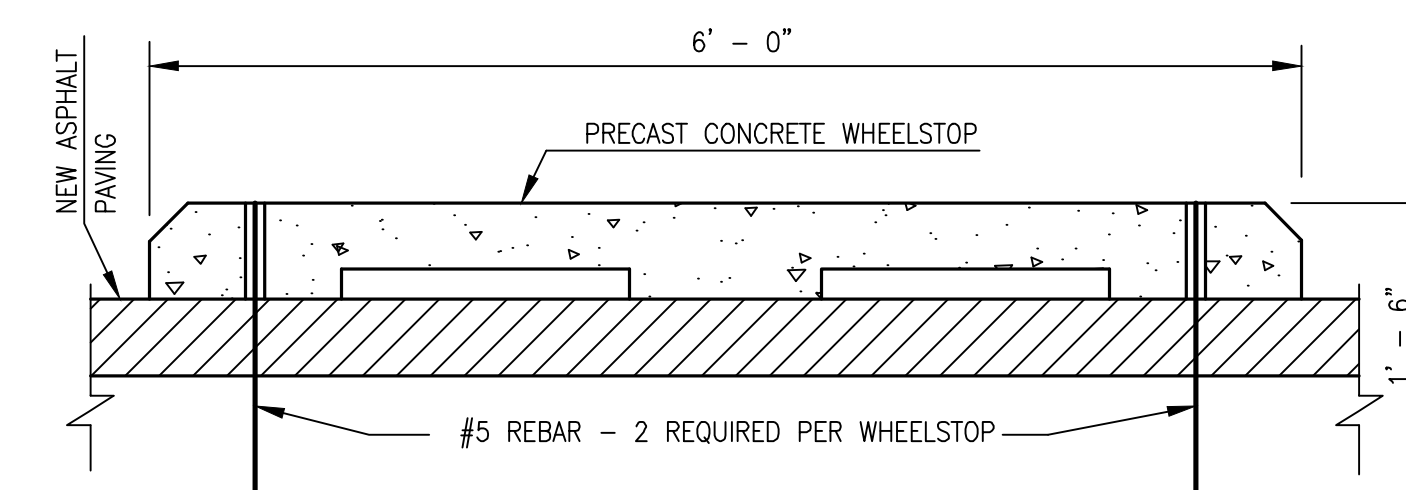
TYPICAL DOUBLE CLEANOUT SECTION
NOT TO SCALE



TYPICAL WATER VALVE BOX COLLAR DETAIL
SCALE: 1" = 1"



TYPICAL TRACER WIRE ACCESS PORT
NOT TO SCALE

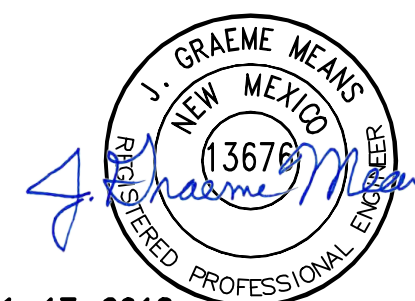


WHEELSTOP SECTION
SCALE: 1" = 1'-0"

2016.042.1

HIGH MESA Consulting Group

6010-B MIDWAY PARK BLVD. NE ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 FAX: 505.345.4254 www.highmesacg.com



01-17-2018
12-05-2016

nbwarchitects p.a.
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NEW BUILDING FOR:
GOOD 2 GO CONVENIENCE STORE
ALBUQUERQUE NO. 309
ALBUQUERQUE, NEW MEXICO

SECTION AND DRAINAGE PLAN

PROJECT:
REVISIONS:

REVISED FUELING AREA

PROJECT NO. 15831
DATE: DECEMBER 2016
DRAWN BY: J.Y.R.
CHECKED BY: R.J.C.

DRAWING NO.:

C3.1

File Path: P:\WORK\2016\042\10461\DWG\1 Plot Date: 01-18-2018
File Name: 16042_1_C3-1-R1.DWG Plot Time: 4:23 pm