

Approved by the Mercer County Planning Board

\_\_\_\_\_  
Planning Director Date

\_\_\_\_\_  
Recording Secretary Date

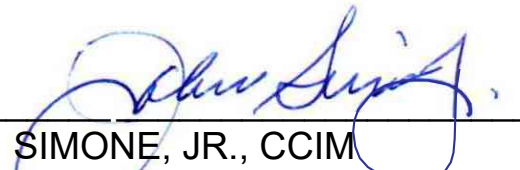
Approved by the Lawrence Township Planning Board

\_\_\_\_\_  
Chairperson Date

\_\_\_\_\_  
Secretary Date

\_\_\_\_\_  
Municipal Engineer Date

OWNER'S SIGNATURE:

  
JOHN SIMONE, JR., CCIM  
SIMONE REALTY, INC.  
100 FEDERAL CITY ROAD  
SUITE C-101  
LAWRENCEVILLE, NJ 08648

6-12-2023  
DATE

# TAKE 5 EXPRESS CAR WASH PRELIMINARY/FINAL SITE PLANS

TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY  
BLOCK 2201, LOT 20

PREPARED FOR: OWNER/DEVELOPER  
**BOING US HOLDCO, INC.**

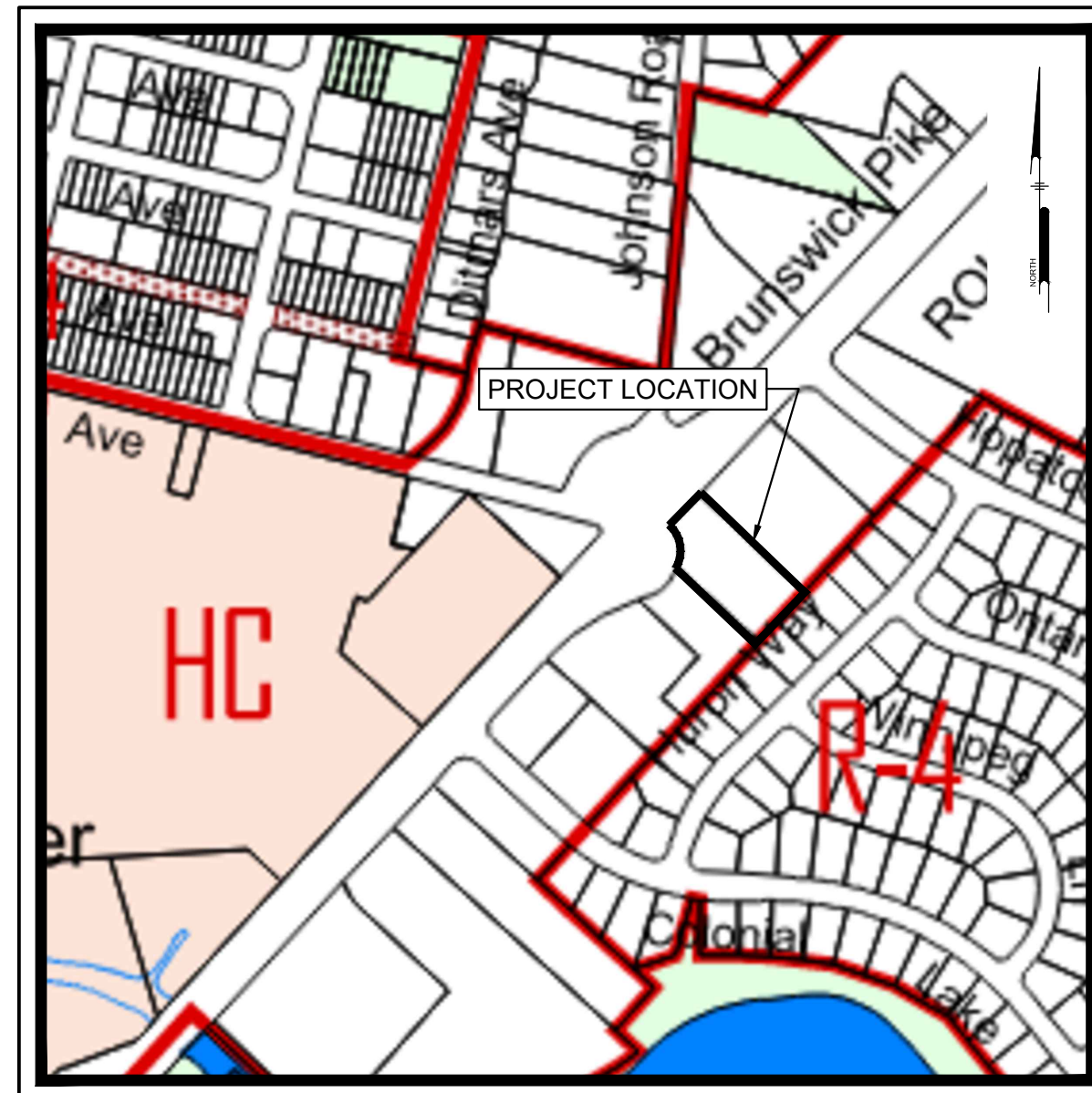
440 SOUTH CHURCH STREET, SUITE 700  
CHARLOTTE, NC 28202

Property Owners within 200' List for Oakvale, LLC  
Block 2201, Lot 20

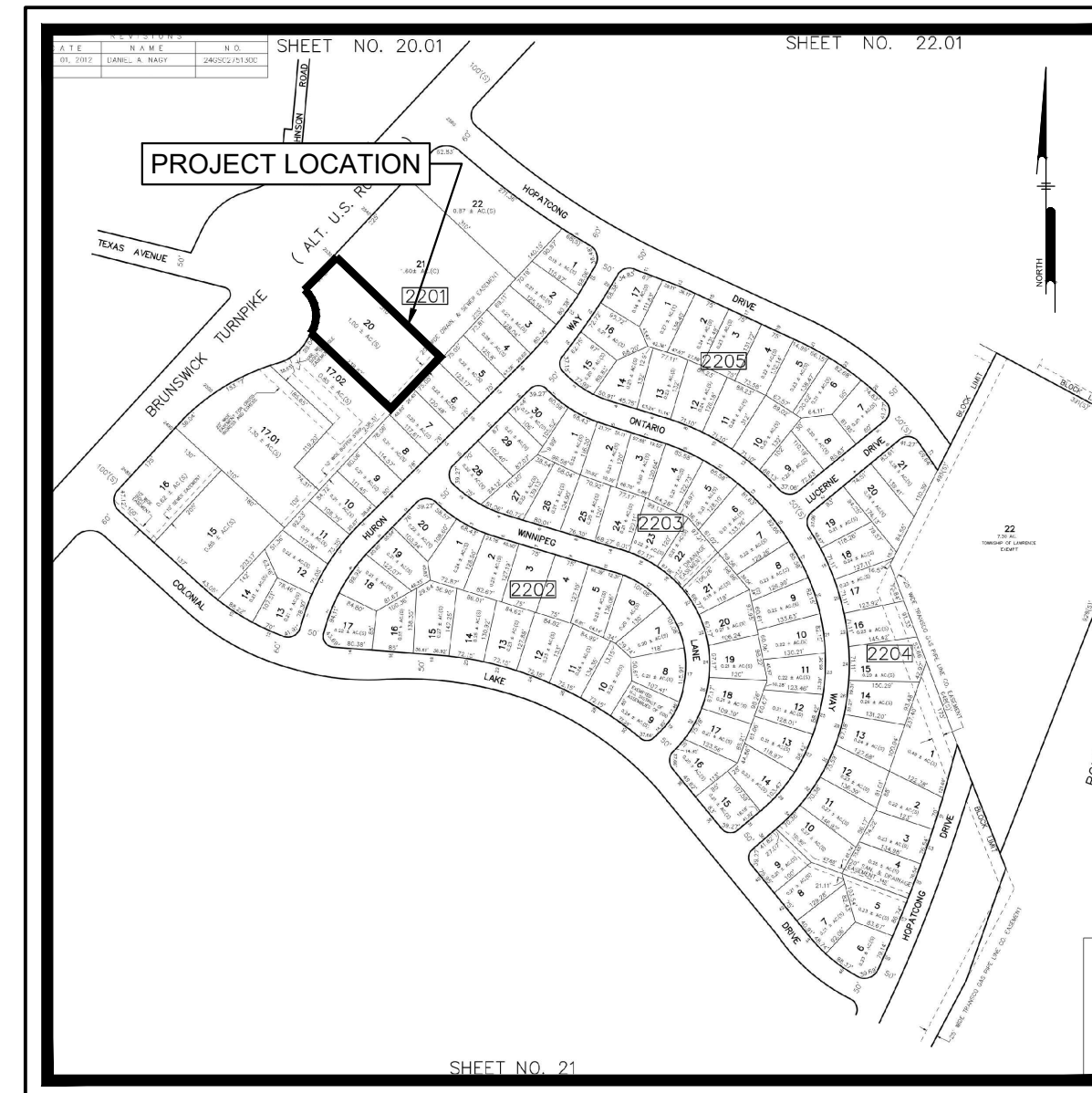
April 13, 2023

Block	Lot	Owner	Address	City / State	Zip
2001	1	LUKOIL NORTH AMERICAN LLC	302 HARPER DRIVE, STE 303	MOORESTOWN, NJ	08057
2005	9.01	PUBLIC SERVICE E&G PROPERTY TAXES	80 PARK PLAZA, 6TH FLOOR	NEWARK, NJ	071024194
2201	2	PILOT, KEITH E UX	23 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
	3	WEIGH, SAMUEL UX	21 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
	4	ALLEYNE, CHARLES	19 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
	5	SAUNDERS, CARLTON S UX	17 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
	6	SLUTZKY, INA BETH	15 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
	7	LHOST, JENNIFER J.	13 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
	8	BEYGA, ALDONA	11 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
	9	MICHAELSON, WILLIAM M UX	9 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
	10	TARGONSKI, BOGDAN	7 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
	17.01	MYAT ESTATE, LLC	2490 BRUNSWICK AVE	LAWRENCE TOWNSHIP, NJ	08648
	17.02	2500 BRUNSWICK, LLC	195 NASSAU ST, STE B	PRINCETON, NJ	08542
	21	LAKE LAWRENCE LLC	12 MICHELANGELO DRIVE	MONMOUTH JUNCTION, NJ	08852
2202	20	PADALINO, OLIVIA	8 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
2203	28	DLUGOWSKA, JOLANTA	10 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
	29	TRENOO, BERNARD & OCRAN, NANA	12 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
	30	KENNEDY, EDWARD & EMMA	14 HURON WAY	LAWRENCE TOWNSHIP, NJ	08648
2207	11	GETTY LEASING, INC	292 MADISON AVE, 9TH FL	NEW YORK, NY	10017-6318

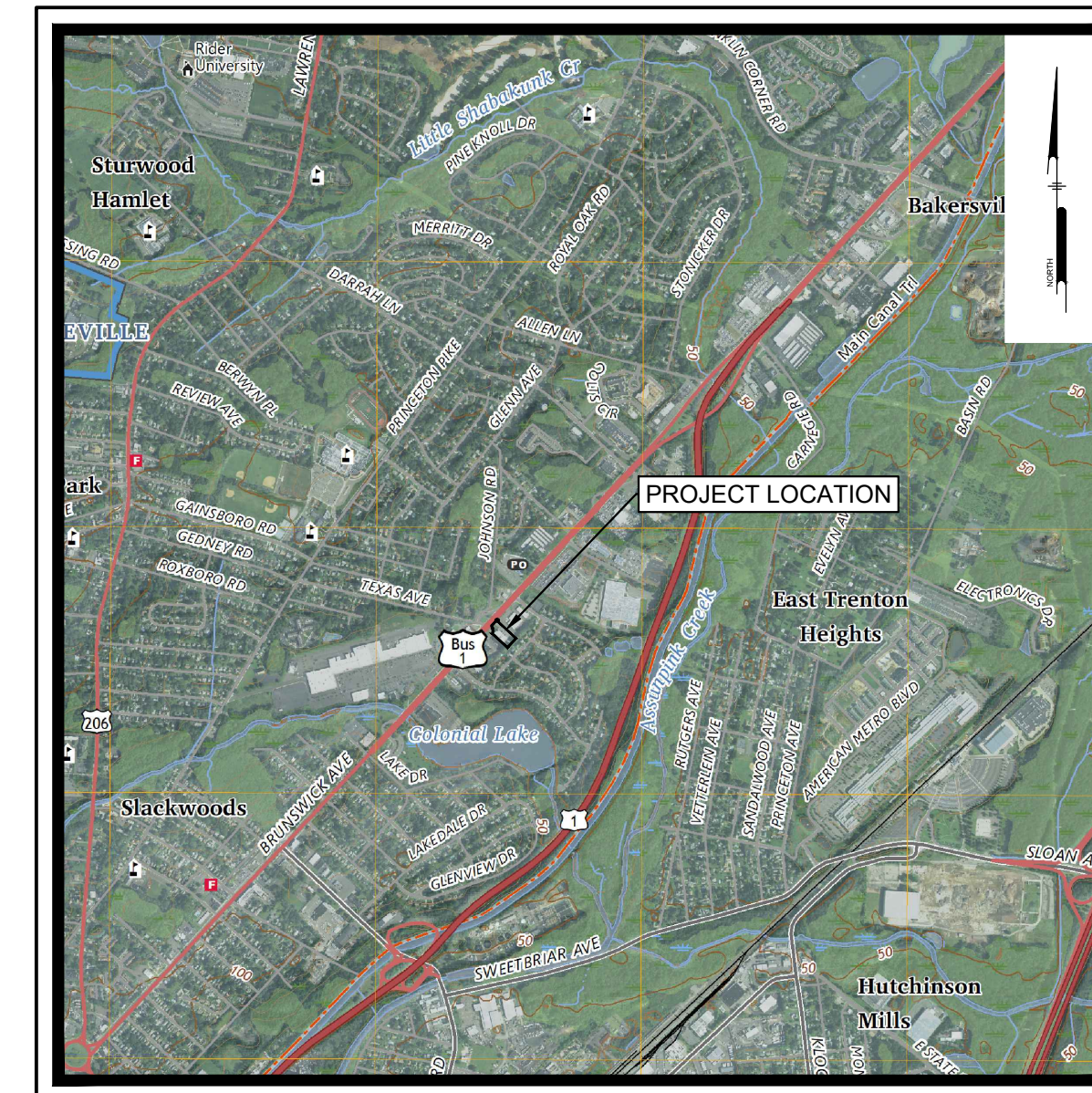
Sheet List Table				
Sheet Number	Drawing Number	Sheet Title	Drawing Date	Last Revised Date
1	CS0001	COVER SHEET	2023-04-21	2023-06-12
2	CS0002	INFORMATION SHEET	2023-04-21	-
3	CS0501	DEMOLITION PLAN	2023-04-21	-
4	CS1000	SURROUNDING CONDITIONS SITE PLAN	2023-04-21	-
5	CS1001	SITE PLAN	2023-04-21	-
6	CS1002	SIGNAGE SITE PLAN	2023-04-21	-
7	CS1003	TRUCK CIRCULATION PLAN	2023-04-21	-
8	CS1004	CONCRETE JOINT PLAN AND NOTES	2023-04-21	-
9	CS1501	GRADING PLAN	2023-04-21	-
10	CS1701	UTILITY PLAN	2023-04-21	-
11	CS2001	LANDSCAPE PLAN	2023-04-21	-
12	CS2201	LIGHTING PLAN	2023-04-21	-
13	CS6001	CONSTRUCTION DETAILS	2023-04-21	-
14	CS6002	CONSTRUCTION DETAILS	2023-04-21	-
15	CS6003	CONSTRUCTION DETAILS	2023-04-21	-
16	CS6051	SANITARY SEWER DETAILS	2023-04-21	-
17	CS6061	LANDSCAPE DETAILS	2023-04-21	-
18	CS6100	SIGNAGE DETAILS	2023-04-21	-
19	CS6101	SIGNAGE DETAILS	2023-04-21	-



ZONING MAP  
Scale: 1" = 500'



TAX MAP (SHEET 22)  
Scale: 1" = 500'



USGS MAP  
Scale: 1" = 2000'

PREPARED BY:  
**PENNONI ASSOCIATES INC.**




515 Grove Street, Suite 1B  
Haddon Heights, NJ 08035  
T 856.547.0505  
F 856.547.9174

NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300



90' TUNNEL

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK  
**CHAD GAULRAPP**  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. GE 41350  


TAKE 5 EXPRESS CAR WASH  
2520 BRUNSWICK PIKE  
LAWRENCE TOWNSHIP, NJ 08648  
COVER SHEET  
BOING US HOLDCO, INC.  
440 SOUTH CHURCH STREET, SUITE 700  
CHARLOTTE, NC 28202

NO.	DATE	REV. PER TYP INCOMPLETENESS	REVISIONS	BY
1.	06/12/23			JRB


ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNONI ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO PENNONI ASSOCIATE. AND OWNER SHALL HOLD PENNONI ASSOCIATES HARMLESS FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

PROJECT: DRVBR22047  
DATE: 2023-04-21  
DRAWING SCALE: AS NOTED  
DRAWN BY: NC  
APPROVED BY: CG

**CS0001**  
SHEET 1 OF 19

**NOT FOR CONSTRUCTION**

U:\Documents\DRVBR22047\DRVBR22047 - Take 5 Express Car Wash - Lawrence\CS0001\_SHEET1620001.dwg PLOTTED: 01/25/2023 12:27 PM BY: jacob@pennoni.com PLOTTED BY: jacob@pennoni.com PROJECT STATUS: ---

**NEW JERSEY**  
  
**CALL BEFORE YOU DIG**  
1-800-272-1000  
CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH THE REQUIREMENTS OF THE NEW JERSEY ONE-CALL DAMAGE PREVENTION SYSTEM AS STATED IN THE "UNDERGROUND FACILITY PROTECTION ACT". TICKET NUMBER(S):

GENERAL NOTES:

- G-1. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN SITE EXAMINATION AND DETERMINING THE ACTUAL NATURE AND EXTENT OF EXISTING CONDITIONS PRIOR TO UNDERTAKING WORK.
G-2. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE OWNER AND OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR ERRORS HE DISCOVERS ON THE PLAN.
G-3. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER...
G-4. EXISTING SANITARY SEWERS THAT ARE TO REMAIN IN SERVICE SHALL REMAIN IN ACTIVE OPERATION AT ALL TIMES.
G-5. UTILIZE A MOBILE SWEEPER AND WATER TRUCK DAILY FOR DUST CONTROL ALONG HAUL ROUTES AND IN AREAS MADE AVAILABLE FOR CONSTRUCTION.
G-6. PREVENT WATER PONDING RESULTING FROM CONSTRUCTION OPERATIONS. PROMPTLY REMOVE ANY PONDED WATER TO THE SATISFACTION OF THE ENGINEER.
G-7. CONTRACTOR SHALL WORK TO MINIMIZE EXCESS SOIL GENERATED. IF IT IS NECESSARY TO REMOVE SOIL FROM THE SITE, IT SHOULD BE DISPOSED OF AT A PERMITTED DISPOSAL FACILITY.
G-8. ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER AND OWNER.
G-9. VERIFY ALL INDICATED CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE PERFORMING ANY WORK. NOTIFY THE ENGINEER OF ANY CONDITIONS OR DIMENSIONS THAT WOULD PREVENT OR HAMPER THE PERFORMANCE OF THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
G-10. THE CONTRACTOR WILL INSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED, OR REGRADING AS REQUIRED BY THE ENGINEER.
G-11. THE CONTRACTOR SHALL PROVIDE ANY AND ALL EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE TESTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
G-12. AN INDEPENDENT GEOTECHNICAL ENGINEER IS REQUIRED TO INSPECT, TEST, AND CERTIFY TO THE COMPACTION OF ALL LOAD BEARING FILLS. THE SOILS ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, AND THE CONSTRUCTION MANAGER, AND SHALL PROMPTLY NOTIFY THE CONSTRUCTION MANAGER AND THE CONTRACTOR SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.
G-13. CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AREA AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
G-14. ALL TRAFFIC CONTROL DEVICES TO BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION. SIGN POSTS SHALL BE GALVANIZED STEEL AND ALL SIGN MATERIALS SHALL BE MADE OF REFLECTIVE SHEETING ON ALUMINUM BLANKS IN ACCORDANCE WITH NJDOT STANDARD SPECIFICATIONS.
G-15. ALL DIMENSIONING IS TO CURB OR BUILDING FACE, UNLESS OTHERWISE NOTED.
G-16. UNLESS OTHERWISE INDICATED, ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2007, AS AMENDED AND SUPPLEMENTED TO DATE.
G-17. ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI, UNLESS OTHERWISE NOTED.
G-18. ALL NEW CONCRETE PAVING AND CURBING SHALL MEET FLUSH WITH EXISTING.
G-19. SHOP DRAWINGS FOR PROPOSED CAST-IN-PLACE AND/OR PRECAST CONCRETE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION OR PROCUREMENT.
G-20. ALL UTILITIES TO BE INSTALLED UNDERGROUND EXCEPT WHERE NOTED.
G-21. THE CONTRACTOR SHALL NOTIFY THE MERCER COUNTY SOIL CONSERVATION DISTRICT A MINIMUM OF 72 HOURS BEFORE THE BEGINNING OF CONSTRUCTION.
G-22. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES, AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER/DEVELOPER.
G-23. UPON COMPLETION OF THE WORK, REMOVE ALL DEBRIS, EQUIPMENT AND UNUSED MATERIALS FROM OWNER PROPERTY AND RESTORE THE AREAS TO THEIR ORIGINAL CONDITION, AS APPROVED BY THE ENGINEER.
G-24. CROSSWALKS SHALL BE PROVIDED ACROSS ALL CURB CUTS AND MAINTENANCE AND UPKEEP IS THE RESPONSIBILITY OF THE APPLICANT.
G-25. ANY EXISTING SIDEWALKS ON THE SITE OR IN THE RIGHT-OF-WAY THAT IS IN POOR CONDITION OR NOT IN COMPLIANCE WITH ADA CODE SHALL BE REPLACED BY THE APPLICANT AT THE DISCRETION OF THE CHERRY HILL TOWNSHIP DEPARTMENT OF ENGINEERING.
G-26. ADA ACCESSIBLE PARKING SPACES SHALL HAVE A MAXIMUM 2% SLOPE IN ALL DIRECTIONS. ALL ADA ACCESSIBLE SIDEWALKS SHALL HAVE 2% MAX. CROSS SLOPE AND 5% MAX. LONGITUDINAL SLOPE.
G-27. CROSSWALK MAINTENANCE AND UPKEEP SHALL BE THE RESPONSIBILITY OF THE APPLICANT.
G-28. ALL AREAS TO RECEIVE PERMANENT BITUMINOUS PAVEMENT SHALL BE PROOF-ROLLED AND TESTED FOR 95% COMPACTION IN THE PRESENCE OF THE TOWNSHIP ENGINEER.
G-29. TRAFFIC MARKINGS SHALL BE LONG-LIFE THERMOPLASTIC.

ENVIRONMENTAL NOTES:

- E-1. ALL MATERIAL BROUGHT ON SITE SHALL BE CLEAN FILL, SAMPLED, AND ANALYZED IN ACCORDANCE WITH STANDARD NJDEP QUALITY ASSURANCE STANDARDS AND PRACTICES AT A MINIMUM, AS SPECIFIED IN N.J.A.C. 7:26E, TO FULLY CHARACTERIZE THE CONTAMINANTS IN THE LATEST SOIL CLEANUP CRITERIA (SCC). THE CONTRACTOR SHALL SUBMIT TO THE OWNER WRITTEN DOCUMENTATION FROM A LABORATORY CERTIFIED IN NEW JERSEY ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM (ELCP) AND IN ACCORDANCE WITH N.J.A.C. 7:18 PRIOR TO PLACEMENT OF THE MATERIAL ON SITE. THE MATERIAL MUST NOT CONTAIN CONTAMINANTS ABOVE THE MOST RESTRICTIVE DIRECT CONTACT OR IMPACT TO GROUNDWATER (IGW) SCC.
E-2. ALL ASBESTOS-CONTAINING MATERIALS (ACM) SHOULD BE REMOVED AND PROPERLY DISPOSED OF BY A NJ LICENSED ASBESTOS ABATEMENT CONTRACTOR PRIOR TO DEMOLITION OR RENOVATION ACTIVITIES THAT IMPACT THEM. DAILY AIR MONITORING IS RECOMMENDED AND FINAL CLEARANCE AIR SAMPLING IS REQUIRED. ACM ROOFING MATERIALS SHALL BE REMOVED PRIOR TO BUILDING DEMOLITION. NON-FRIABLE CATEGORY 1 ROOFING MATERIALS MAY BE EXEMPT FROM THESE REQUIREMENTS IF THE BUILDING WILL BE RE-OCCUPIED.
E-3. REMOVAL OF EXISTING LEAD-BASED PAINT IS NOT REQUIRED PRIOR TO RENOVATION/DEMOLITION ACTIVITIES; HOWEVER, THE CONTRACTOR PERFORMING RENOVATION/DEMOLITION AT THE BUILDINGS SHOULD BE NOTIFIED IF LBP AND LEAD CONTAINING PAINT IS PRESENT. CONTRACTORS SHOULD BE INSTRUCTED TO FOLLOW APPLICABLE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) AND USEPA REGULATIONS REGARDING WORKING WITH LBP.
E-4. ALL HAZARDOUS OR REGULATED MATERIALS SHOULD BE DISPOSED OF IN ACCORDANCE WITH THE USEPA'S RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) AND TRANSPORTED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

DEMOLITION NOTES

- D-1. ALL DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 241 AND OSHA STANDARDS.
D-2. ALL HOLES AND TRENCH AREAS REMAINING AFTER DEMOLITION SHALL BE BACKFILLED TO MATCH EXISTING GRADE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS.
D-3. WHERE A PIPE BEING REMOVED IS CONNECTED TO AN EXISTING STRUCTURE, EITHER REMOVE THE PIPE AND FILL THE WALL OPENING WITH CONCRETE, OR CUT THE PIPE WITHOUT PERCUSSION NOT MORE THAN 6" FROM THE OUTSIDE FACE OF THE STRUCTURE AND FILL THE REMAINING LENGTH OF PIPE WITH CONCRETE.
D-4. THE REMOVAL OF ANY EXISTING BOLLARDS, GUIDE RAIL POSTS & FOOTINGS SHALL INCLUDE THE PIPE/ POST AND CONCRETE FOOTING IN ITS ENTIRETY.
D-5. ALL EXISTING CATCH BASINS AND MANHOLES SHALL BE FIELD LOCATED PRIOR TO WORK AND THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PERTAINING TO LOCATIONS SHOWN ON THE CONTRACT DRAWINGS.
D-6. CONTRACTOR SHALL NOTIFY OWNER AND THE ENGINEER 72 HRS. PRIOR TO INITIATING UTILITY ABANDONMENT.
D-7. ALL UTILITIES SHALL BE REMOVED TO A MINIMUM OF FOUR (4) FT BELOW EXISTING GROUND SURFACE. DEMOLISH FIRE HYDRANT THRUST BLOCKS IF ENCOUNTERED.
D-8. ELECTRICAL UTILITIES SHALL BE DISCONNECTED PRIOR TO BEGINNING ANY DEMOLITION WORK. DEMOLITION SHALL INCLUDE THE REMOVAL OF BURIED AND EXPOSED CONDUIT IN THE AREA DESIGNATED FOR DEMOLITION, SEALING ENDS OF ALL BURIED CONDUIT ABANDONED IN PLACE AND REMOVING ALL POWER AND CONTROL WIRING BETWEEN THE DEMOLISHED FACILITY AND THE TERMINAL JUNCTION BOX, CIRCUIT BREAKER, OR METER CONTROL CENTER SUPPLYING POWER TO THE FACILITY.
D-9. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE DISCONNECTION AND/OR REMOVAL OF ANY SERVICE UTILITIES ATTACHED/CONNECTED/RECEIVING/SUPPLYING, ETC. TO ANY BUILDING AND/OR STRUCTURE NOTED HEREIN TO BE DEMOLISHED. CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS OR APPROVALS ASSOCIATED WITH SAME.
D-10. ALL ACTIVE CONSTRUCTION SITES AND LOCATIONS SHALL BE PROVIDED WITH NON-COMBUSTIBLE REFUSE CONTAINER(S) IN SUCH NUMBERS AS SHALL BE NECESSARY TO CONTAIN ALL COMBUSTIBLE REFUSE GENERATED BY THE CONSTRUCTION ACTIVITIES. ALL COMBUSTIBLE REFUSE, RUBBISH AND DEBRIS SHALL BE COLLECTED UP AND DEPOSITED IN THE CONTAINER(S) ON A DAILY BASIS. REFUSE CONTAINER(S) SHALL BE LOCATED A MINIMUM OF 20 FEET AWAY FROM ANY BUILDING, STRUCTURE, LOT LINE OR COMBUSTIBLE MATERIAL STORAGE LOCATION.
D-11. WHILE CONSTRUCTION ACTIVITIES ARE IN PROGRESS, AT LEAST FOUR(4) PORTABLE FIRE EXTINGUISHERS HAVING A RATING OF AT LEAST 10-A, 60-BC SHALL BE PROVIDED, AND SHALL BE MAINTAINED IN A LOCATION APPROVED BY THE FIRE OFFICIAL. PERSONNEL NORMALLY ON THE CONSTRUCTION SITE SHALL BE INSTRUCTED IN THE USE OF THE FIRE EXTINGUISHERS PROVIDED.
D-12. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROTECTING EXISTING STRUCTURES AS IDENTIFIED ON THE DEMOLITION PLAN, CS001. THE CONTRACTOR MUST NOTIFY THE ENGINEER IF ANY DAMAGE OCCURS TO THESE ITEMS, THE ENGINEER/ OWNER WILL DETERMINE WHETHER THE DAMAGED ITEMS CAN BE REPAIRED, OR SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
D-13. PRIOR TO REMOVAL OF EXISTING FULL-DEPTH ASPHALTIC AND/OR CONCRETE PAVEMENT, CONTRACTOR SHALL SAWCUT TO FULL DEPTH TO PROVIDE A CLEAN STRAIGHT EDGE. CONCRETE SIDEWALK AND/OR CURB SHALL BE REMOVED TO THE NEAREST CONTROL JOINT.

UTILITY NOTES:

- C-1. BEFORE STARTING WORK, CONTRACTOR SHALL FURNISH A CONSTRUCTION SCHEDULE TO THE TOWNSHIP OF LAWRENCE, ALL UTILITY COMPANIES AND INTERESTED PARTIES AND THE OWNER PRIOR TO CONSTRUCTION. SCHEDULE SHALL DETAIL ALL ITEMS ASSOCIATED WITH CARRYING OUT CONTRACT, ON A DAILY BASIS. CONSTRUCTION SHALL BE SEQUENCED SUCH THAT NOT MORE THAN ONE HYDRANT IS OUT OF SERVICE AT ANY GIVEN TIME. CONTRACTOR SHALL COORDINATE DIRECTLY WITH FIRE MARSHALL WITH REGARD TO HYDRANT SERVICE INTERRUPTIONS NOT LESS THAN 3 DAYS PRIOR TO INTERRUPTION.
C-2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE EXISTING FACILITIES ON THESE PLANS; HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR.
C-3. BEFORE EXCAVATING THE PROJECT AREA THE CONTRACTOR IS TO VERIFY THE LOCATION OF ANY UNDERGROUND UTILITY (GAS MAINS, WATER MAINS, SEWER LINES, TELEPHONE LINES, ETC.). SHOULD ANY UNDERGROUND UTILITY INTERFERE WITH PROJECT CONSTRUCTION THE ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH WORK. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES THREE (3) DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION FOR ACCURATE FIELD LOCATIONS. FOR UTILITY MARKOUT CALL 1-800-272-1000.
C-4. SEWERS AND WATER MAINS GENERALLY SHALL BE SEPARATED A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE PIPE SHALL BE IN SEPARATE TRENCHES WITH THE SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY DEPARTMENT SHALL BE MADE. IN GENERAL, THE VERTICAL SEPARATION AT A CROSSING OF SEWER AND WATER LINE SHALL BE AT LEAST 18 INCHES. WHERE THIS IS NOT POSSIBLE, THE SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10FT ON EITHER SIDE OF THE CROSSING OR OTHER SUITABLE PROTECTION SHALL BE PROVIDED.
C-5. PIPE BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUMS FOR RELATIVELY DRY, STABLE EARTH CONDITIONS. ADDITIONAL BEDDING SHALL BE REQUIRED FOR ROCK TRENCHES AND WET AREAS. CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO PROVIDE SUCH ADDITIONAL BEDDING AS MAY BE REQUIRED TO PROPERLY CONSTRUCT THE WORK.
C-6. BACKFILL IN THE TRENCHES SHALL BE COMPACTED TO THE DENSITY OF 95% OF THEORETICAL MAXIMUM DRY DENSITY (ASTM D698). BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS, OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED IN LIFTS NOT TO EXCEED 6 INCHES IN COMPACTED FILL THICKNESS. A REPORT FROM A GEOTECHNICAL ENGINEER MAY BE REQUIRED BY THE TOWNSHIP INSPECTOR. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
C-7. CONTRACTOR SHALL EXCAVATE ONLY ENOUGH TRENCH TO INSTALL NEW UTILITY AND BACKFILL BY THE END OF EACH WORK DAY. OPEN TRENCH SHALL NOT BE PERMITTED AT ANY TIME CONTRACTOR IS NOT ACTIVELY WORKING ON PORTION OF UTILITY REQUIRING OPEN EXCAVATION.
C-8. EXISTING MAINS TO BE ABANDONED IN PLACE SHALL BE CAPPED AND FILLED WITH AN APPROVED CONTROLLED LOW STRENGTH MATERIAL (CLSM).
C-9. ALL SANITARY SEWER FORTCEMAIN PIPING SHALL BE PVC CLASS 150 (DR18) AWWA C900 UNLESS OTHERWISE NOTED. ALL GRAVITY SANITARY SEWER SHALL BE SDR 26 UNLESS OTHERWISE NOTED.

- C-10. STORM SEWER PIPING:
(1) RCP: MINIMUM CLASS III RCP, WALL B IN ACCORDANCE WITH CURRENT N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE NOTED.
(2) HDPE: SMOOTH WALL INTERIOR PIPE WITH ANNUAL CORRUGATED EXTERIOR FOR APPROVAL BY THE ENGINEER. ALL HDPE PIPE SHALL BE IN ACCORDANCE WITH AASHTO M294, TYPE S OR ASTM F2306. ALL HDPE PIPE TRENCHES SHALL BE INSTALLED AND BACKFILLED IN ACCORDANCE WITH ASTM D23121. TRENCH BACKFILL MATERIAL SHALL BE AASHTO #57 AGGREGATE AND INSTALLED WITH A MINIMUM OF SIX (6) INCHES OVER TOP OF PIPE.
C-11. TRENCH DETAILS ARE INTENDED TO PROVIDE INFORMATION REGARDING BACKFILLING MATERIALS AND GENERAL MATERIAL DEPTHS AND PAVEMENT LIMITS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND SHALL PROVIDE APPROPRIATE SAFETY MEASURES, SHEETING, AND BRACING AS MAY BE REQUIRED DUE TO FIELD CONDITIONS. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OSHA STANDARDS, AND DETAILS FOR TRENCH EXCAVATION. THE DESIGN ENGINEER ASSUMES NO RESPONSIBILITY OR LIABILITY FOR FIELD CONDITIONS, TRENCHING OR BACKFILLING OPERATIONS DURING CONSTRUCTION.
C-12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND PRECLUDING ANY PONDING OF WATER IN ALL AREAS, EXCEPTING REASONABLE AND SAFE WITHIN THE SEDIMENTATION BASIN.
C-13. CONTRACTOR MUST APPLY FOR ALL UTILITY CONNECTION APPLICATIONS. CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY CONNECTION FEES FOR CONSTRUCTION.
C-14. GAS, ELECTRIC, TELEPHONE AND CABLE TV LINES MAY BE INSTALLED BY THE RESPECTIVE UTILITY. THE EXACT LOCATION OF EACH MAIN SHALL BE COORDINATED BY THE OWNER/GENERAL CONTRACTOR AND SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
C-15. EXISTING STREET SURFACES AND OTHER SURFACES DISTURBED BY THE CONSTRUCTION OF FACILITIES FOR THIS PROJECT SHALL BE RESTORED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE COUNTY ENGINEER.
C-16. RESET ALL WATER VALVES BOXES, SANITARY CLEANOUTS OR VENTS, GAS VALVES, SANITARY RIMS, INLET GRATES AND ALL OTHER UTILITY BOXES OR RIMS TO NEW GRADES AS REQUIRED.
C-17. THE TOWNSHIP ENGINEER MUST BE GIVEN 48 HOURS ADVANCE NOTICE OF SANITARY SEWER/WATERMAIN WORK AND THE REPRESENTATIVES MUST WITHNESS THE WORK/CONNECTION.
C-18. ALL PRECAST CONCRETE INLETS SHALL CONFORM TO ASTM-C-913 "PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES".
C-19. ALL INLET AND MANHOLE PIPE OPENINGS SHALL BE SEALED WITH NON-SHRINK GROUT OR APPROVED EQUAL.

- WATER SERVICE NOTES
1. ALL WATER MAIN CONNECTIONS, SERVICE LINES, AND HYDRANTS SHALL BE IN CONFORMANCE WITH STANDARDS SET FORTH BY TRENTON WATER WORK. CONTRACTOR MUST CONTACT TRENTON WATER WORKS PRIOR TO ANY WATER MAIN CONSTRUCTION OR CONNECTIONS.
2. ALL WATER MAINS SHALL BE CEMENT-LINED DUCTILE IRON PIPE CONFORMING TO ANSI A 21.51 (AWWA C151), CLASS 52 WITH EITHER MECHANICAL OR PUSH-ON JOINTS. RETAINER GLANDS AND CONCRETE THRUST BLOCKS OR TIE RODS AND CONCRETE THRUST BLOCKS SHALL BE USED AT ALL LOCATIONS WHERE RESTRAINTS ARE REQUIRED. ALL MAINS/SERVICES LESS THAN 3" SHALL BE TYPE "K" SOFT COPPER.
3. A MINIMUM OF FOUR (4) FEET OF COVER SHALL BE PROVIDED OVER WATER LINES. IF THIS COVER CANNOT BE MAINTAINED, THE LINES SHALL BE ENCASED IN CONCRETE UNTIL FOUR (4) FEET OF COVER OBTAINED.
4. ALL FITTINGS SHALL HAVE MECHANICAL JOINTS AND RETAINER GLANDS.
5. APPLICANT TO COORDINATE WATER SERVICE AND CONSTRUCTION WITH TRENTON WATER WORKS.
6. WATER AND SEWER SERVICES WILL BE SUBJECT TO THE APPLICABLE DISINFECTION AND PRESSURE TESTING REQUIREMENTS OF THE AWWA.
7. THRUST BLOCKS AND RESTRAINTS SHALL BE INSTALLED AT ALL BENDS AND FITTINGS. THRUST BLOCKS SHALL HAVE TWENTY-EIGHT (28) DAY STRENGTH OF 4,000 P.S.I.
8. TREES SHALL BE PLANTED A MIN. OF 10' FROM FIRE HYDRANTS AND WATER LINES.

UTILITY ONE CALL NOTE
PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A FIELD MARK-OUT OF SUBSURFACE UTILITIES. CALL 1-800-272-1000

HIGH-VOLTAGE PROXIMITY ACT

THE CONTRACTOR IS NOTIFIED THAT ALL PROVISIONS OF THE HIGH-VOLTAGE PROXIMITY ACT, P.L. 1948, c. 249 AS AMENDED THROUGH MAY 20, 1987 SHALL BE STRICTLY ADHERED TO. THE CONTRACTOR SHALL ALSO ADHERE TO ALL PROVISIONS OF PART 1926.550, SUBPART N OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF DECEMBER 1970. PARTICULAR ATTENTION IS DIRECTED TO THE PROVISIONS OF THE ABOVE ACT REQUIRED WARNING SIGNS, NOTIFICATION TO POWER COMPANY AND RESPONSIBILITY FOR SAFEGUARDS AND ALSO PROHIBITED ACTIVITY.
A COPY OF THE HIGH-VOLTAGE PROXIMITY ACT IS AVAILABLE IN THE OFFICE OF THE COUNTY ENGINEER OR MAY BE OBTAINED FROM THE NEW JERSEY DEPARTMENT OF LABOR, DIVISION OF WORKPLACE STANDARDS, OFFICE OF SAFETY COMPLIANCE, TRENTON, NJ 08625

SITE SAFETY

PURSUANT TO NJAC 5:23-2.21(e) OF THE NEW JERSEY UNIFORM CONSTRUCTION CODE AND CFR 1926.32 (f) (OSHA COMPETENT PERSON), THE GENERAL CONTRACTOR IS DESIGNATED AS THE "RESPONSIBLE PERSON IN CHARGE OF CONSTRUCTION" AND THE SITE SUPERVISOR RESPONSIBLE FOR CONSTRUCTION SITE SAFETY DURING THE COURSE OF SITE IMPROVEMENTS.

SITE/SURVEY NOTES:

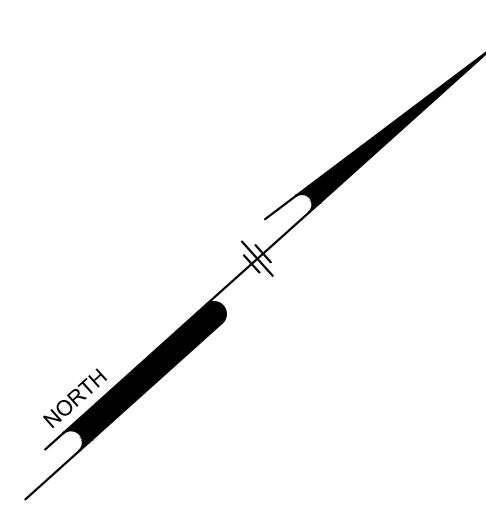
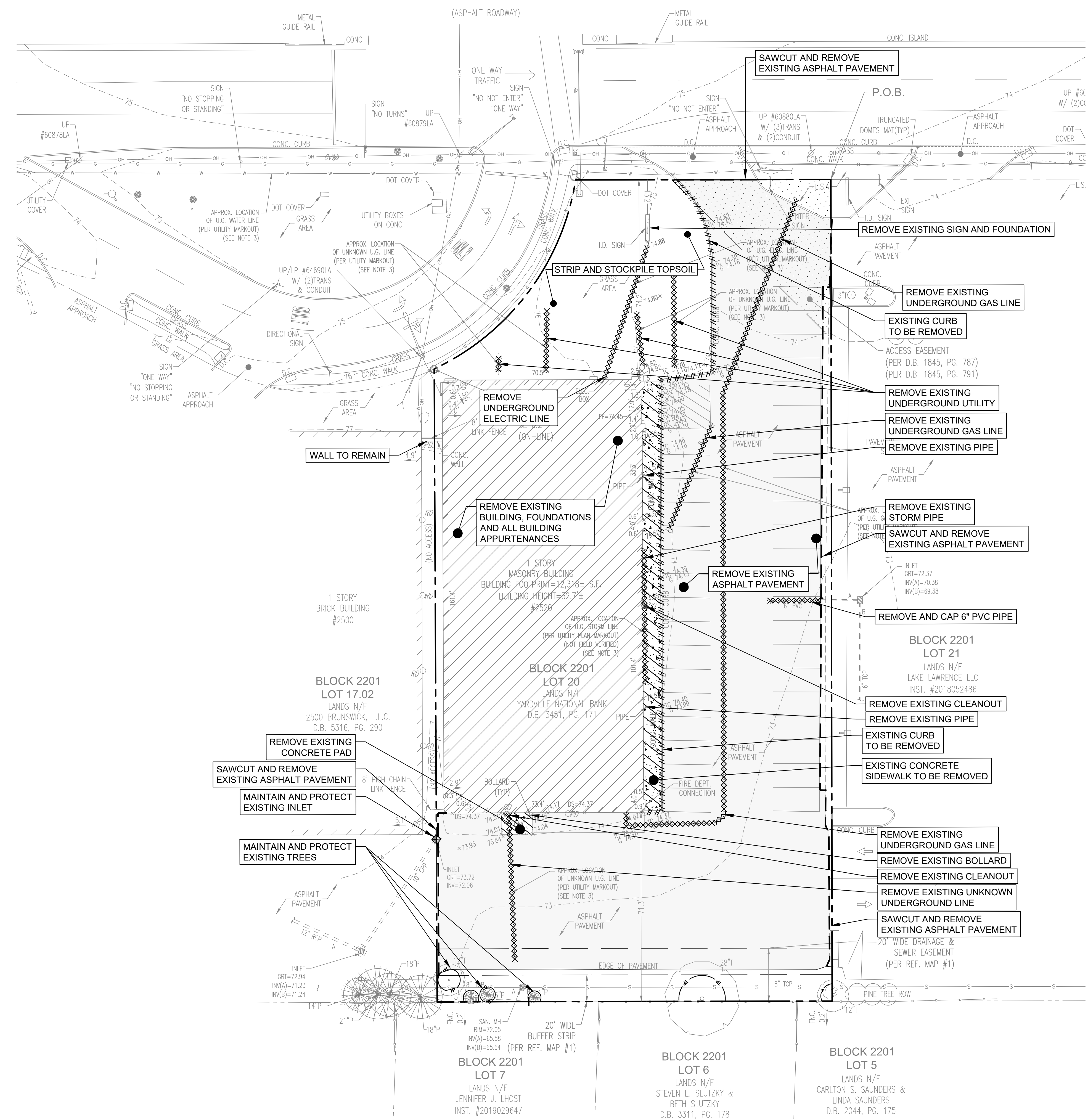
- 1. PROPERTY IN QUESTION IS LOCATED AT 2520 BRUNSWICK PIKE, LAWRENCE TOWNSHIP, BLOCK 2201 LOT 20.
2. PROPERTY SIZE: 1.0 ACRES (43,560 SF)
3. PROPERTY LOCATED IN ZONE HC - HIGHWAY COMMERCIAL ZONE.
4. PRESENT LAND USE: DOLLAR TREE SHOPPING CENTER
5. PROPOSED LAND USE: CAR WASH FACILITY
6. TOPOGRAPHY IS BASED UPON:
6.A. FIELD SURVEY PERFORMED BY BUREAU VERITAS IN NOVEMBER 28, 2022.
6.B. VERTICAL DATUM BASED UPON NAVD88.
6.C. HORIZONTAL DATUM IS NAD83 (2011).
7. THE OFFICIAL TAX MAP FOR THE TOWNSHIP OF LAWRENCE, SHEET # 22 DATED 01-01-2012.

LEGEND table with columns EXISTING, LEGEND, and PROPOSED. Includes symbols for Building, Property Line, Setback Line, Right-of-Way Line, Roadway Centerline, Fence, Curbs, Concrete Sidewalk, Vehicular Concrete, Spot Elevation, Light Pole, Bollard, Sign, Sign Post and Board, Contour, Water Line Domestic, Water Line Fire, Sanitary Sewer, Storm Sewer Roof Drain, Storm Sewer, Overhead Electric, Overground Electric, Overhead Telephone, Underground Telephone, Guiderail, Chainlink Fence, Concrete Wheel Stop, Tree Protection Fence, Temporary Construction Fence, Cable TV Junction Box, Cable TV Manhole, Communications Manhole, Communications Handhole, Gas Meter, Gas Valve, Electrical Handhole, Electrical Meter, Electrical Panel Box, Electrical Pedestal, Electrical Stub Out, Electrical Stub Out, Monitoring Well, Sanitary Sewer Cleanout, Sanitary Manhole, Bush, Coniferous Tree, Deciduous Tree, Fire Hydrant, Water Manhole, Siamese Connection, Water Stub Out, Water Valve, Water Meter, Storm Drain Cleanout, Storm Drain Manhole, Storm Drain Inlet, Storm Roof Drain, Telephone Handhole, Telephone Junction Box, Telephone Manhole, Telephone Panel Box, Telephone Pedestal, Septic Tank, Utility Pole.

Information sheet for 'TAKE 5 EXPRESS CAR WASH'. Includes logos for Pennoni Associates Inc., Chad Gaulrapp Professional Engineer, and Boing Us Holdco, Inc. Includes project details: Project DRVR22047, Date 2023-04-21, Drawing Scale AS NOTED, Drawn By NC, Approved By CG. Includes a revision table and sheet number 2 OF 19.

NOT FOR CONSTRUCTION

U:\Account\DR\BR\DR\BR22047 - Take 5 Express Car Wash - Pennoni\CS0501\_SHEET3(26260)4.dwg  
 PLOTTED: 11/23/2023 12:31 PM BY: Heidi Cummings PROJECT STATUS: —  
 PLOTTED: 11/23/2023 12:31 PM BY: Heidi Cummings PROJECT STATUS: —



- LEGEND:**
- BUILDING TO BE REMOVED
  - ASPHALT PAVING TO BE REMOVED
  - CONCRETE PAVING TO BE REMOVED
  - UTILITY TO BE REMOVED
  - CURB TO BE REMOVED
  - SAWCUT PAVEMENT

**NOT FOR CONSTRUCTION**

**PENNONI ASSOCIATES INC.**  
 515 Grove Street, Suite 1B  
 Haddon Heights, NJ 08035  
 T 856.547.0505 F 856.547.9174  
 NJ COA NO. G428033300

**CHAD GAULRAPP**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. GE 41350

*Chad Gaulrapp* 04/21/23

---

**TAKE 5 EXPRESS CAR WASH**  
 2520 BRUNSWICK PIKE  
 LAWRENCE TOWNSHIP, NJ 08648

**DEMOLITION PLAN**

**BOING US HOLDCO, INC.**  
 440 SOUTH CHURCH STREET, SUITE 700  
 CHARLOTTE, NC 28202

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

---

NO.	DATE	REVISIONS	BY

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PROJECT: **DRVBR22047**

DATE: 2023-04-21

DRAWING SCALE: 1" = 20'

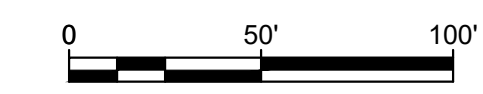
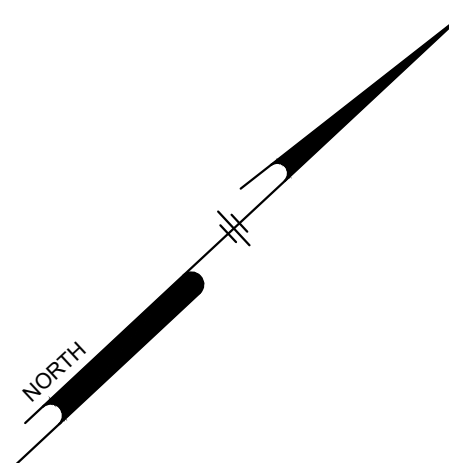
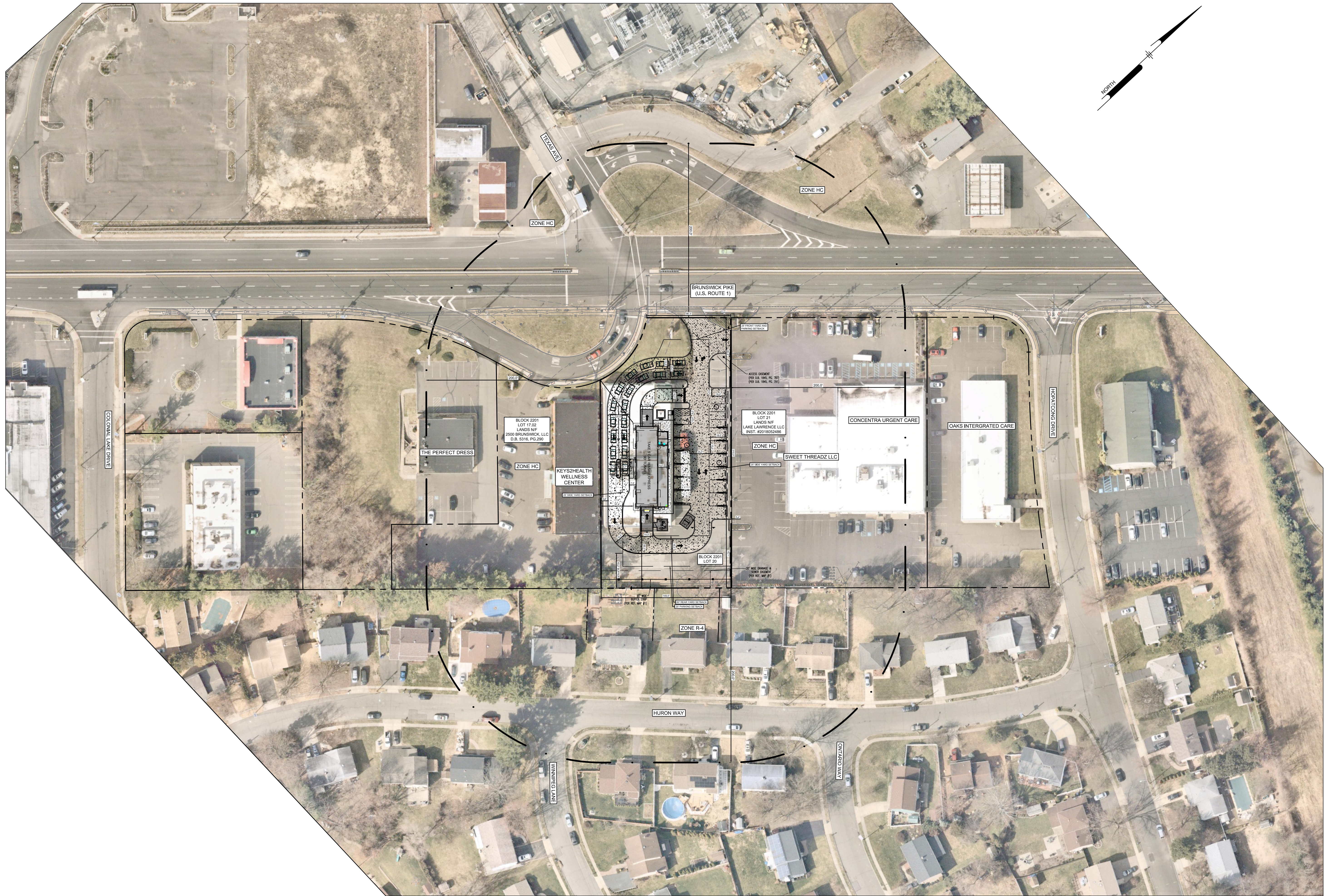
DRAWN BY: NC

APPROVED BY: CG

**CS0501**

SHEET 3 OF 19

I:\Users\chadga\OneDrive\Documents\2024\Take 5 Express Car Wash - Final\CS1000.dwg PROJECT STATUS: PLOTTED: 04/23/2023 12:34 PM BY: Heidi Cummings PLOTSTYLE: Pennoni MCD.ctb



**NOT FOR CONSTRUCTION**

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**TAKE 5 EXPRESS CAR WASH**  
 2520 BRUNSWICK PIKE  
 LAWRENCE TOWNSHIP, NJ 08648

**SURROUNDING CONDITIONS SITE PLAN**

BOING US HOLDCO, INC.  
 440 SOUTH CHURCH STREET, SUITE 700  
 CHARLOTTE, NC 28202

NO.	DATE	REVISIONS	BY

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PROJECT: **DRVBR22047**  
 DATE: 2023-04-21  
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 DRAWN BY: NC  
 APPROVED BY: CG

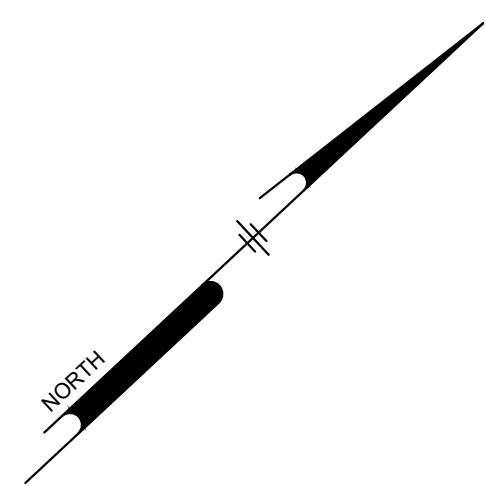
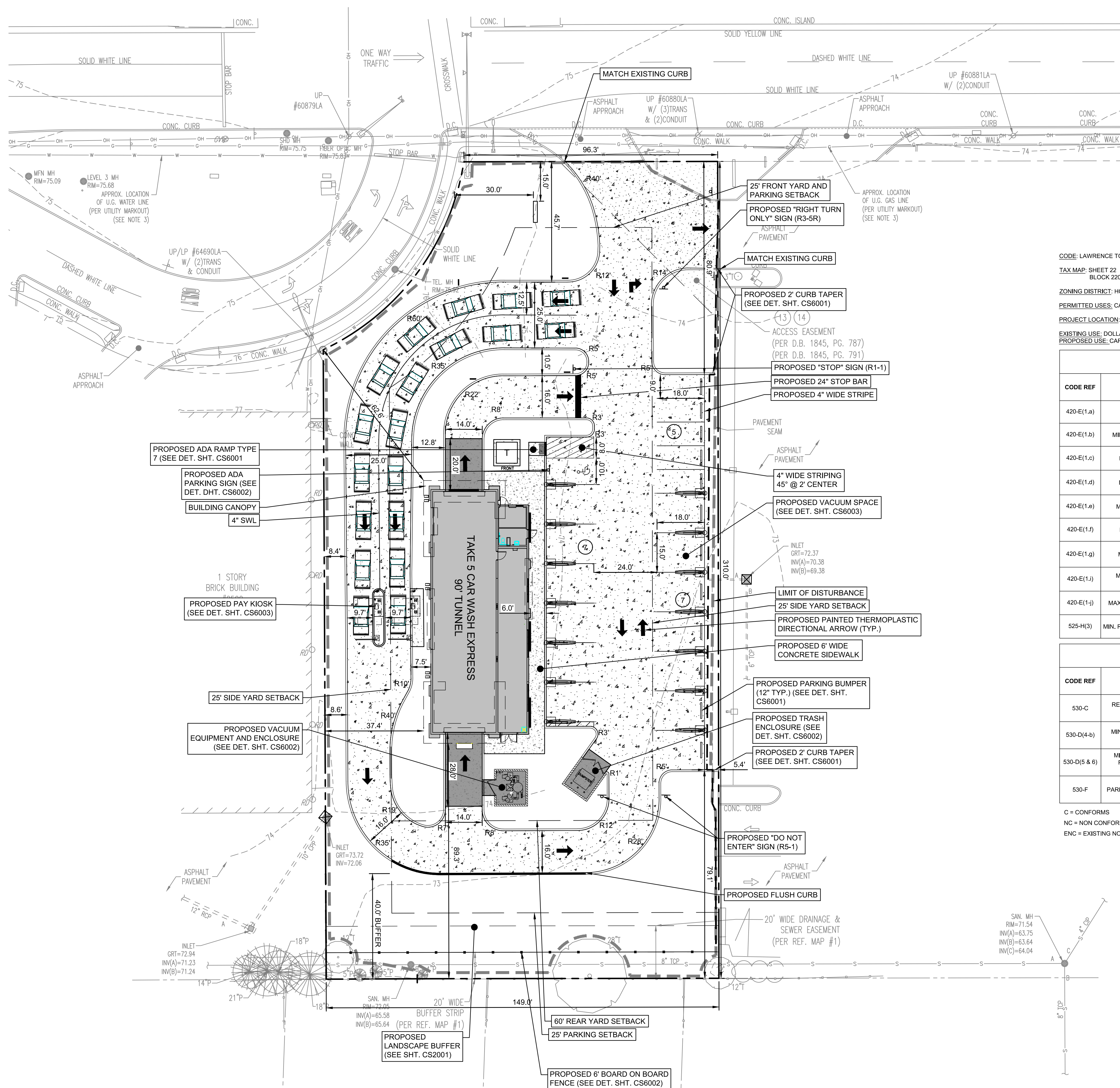
**CS1000**  
 SHEET 4 OF 19

**Pennonni**  
**PENNONI ASSOCIATES INC.**  
 515 Grove Street, Suite 1B  
 Haddon Heights, NJ 08035  
 T 856.547.0505 F 856.547.9174  
 NJ COA NO. G428033300

**CHAD GAULRAPP**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. GE 41350

*Chad Gaulrapp* 04/21/23

PROJECT STATUS: PLOTTED: 11/23/2023 12:21 PM BY: Heidi Cummings PLOT STYLE: Pennoni NCS.dwg

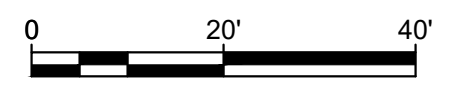


CODE: LAWRENCE TOWNSHIP CODE OF ORDINANCES  
 TAX MAP: SHEET 22  
 BLOCK 2201, LOT 20  
 ZONING DISTRICT: HC - HIGHWAY COMMERCIAL ZONE  
 PERMITTED USES: CARWASH IS A PERMITTED USE IN THE HC - HIGHWAY COMMERCIAL ZONE  
 PROJECT LOCATION: 2620 BRUNSWICK PIKE, LAWRENCE, NJ 08648  
 EXISTING USE: DOLLAR TREE SHOPPING CENTER  
 PROPOSED USE: CAR WASH FACILITY

DESIGN STANDARDS (CONFORMING USE)					
CODE REF	STANDARD	REQUIRED/PERMITTED	EXISTING	PROPOSED	CONFORMANCE
420-E(1.a)	MIN. LOT AREA	40,000 SF	43,560 SF	43,560 SF	C
420-E(1.b)	MIN. LOT FRONTAGE	200 FT	189.0 FT	189.0 FT	ENC
420-E(1.c)	MIN. LOT WIDTH	200 FT	149.8 FT	149.8 FT	ENC
420-E(1.d)	MIN. LOT DEPTH	175 FT	310.0 FT	310.0 FT	C
420-E(1.e)	MIN. FRONT YARD	25 FT	5.49 FT	62.6 FT	C
420-E(1.f)	MIN. SIDE YARD	25 FT	2.9 FT	37.4 FT	C
420-E(1.g)	MIN. REAR YARD	60 FT	71.3 FT	89.3 FT	C
420-E(1.j)	MAX. IMPERVIOUS COVERAGE	70%	87.3%	64.4%	C
420-E(1-i)	MAX. BUILDING HEIGHT	35 FT	NOT MEASURED	30.92 FT	C
525-H(3)	MIN. RESIDENTIAL BUFFER	40 FT	0 FT	40 FT	C

OFF-STREET PARKING (AUTOMOBILE SERVICE AND REPAIR & CAR WASH)					
CODE REF	STANDARD	REQUIRED/PERMITTED	EXISTING	PROPOSED	CONFORMANCE
530-C	REQUIRED PARKING SPACES	10 VAC. SPACES 1 SPACE PER EMPLOYEE	37 SPACES	14 VAC. SPACES 5 EMPLOYEE SPACES	C
530-D(4-b)	MIN. PARKING STALL DIMENSIONS	9' X 18'	N/A	(14) 15' X 18' (5) 9' X 18'	C
530-D(5 & 6)	MIN HANDICAPPED PARKING STALL DIMENSIONS	9' X 18' AND 8' LOADING SPACE	N/A	(1) 9' X 18' SPACE (1) 8' X 18' LOADING SPACE	C
530-F	PARKING LOT SETBACK	25 FT	FRONT = 47.8 FT SIDE = 5.0 FT REAR = 59.4 FT	FRONT = 80.9 FT SIDE = 5.4 FT REAR = 79.1 FT	ENC (FOR EAST ONLY)

C = CONFORMS  
 NC = NON CONFORMING  
 ENC = EXISTING NON CONFORMING



**TAKE 5 EXPRESS CAR WASH**  
 2520 BRUNSWICK PIKE  
 LAWRENCE TOWNSHIP, NJ 08648

**SITE PLAN**

BOING US HOLDCO, INC.  
 440 SOUTH CHURCH STREET, SUITE 700  
 CHARLOTTE, NC 28202

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**CHAD GAULRAPP**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. GE 41390

*Chad Gaulrapp*  
 04/21/23

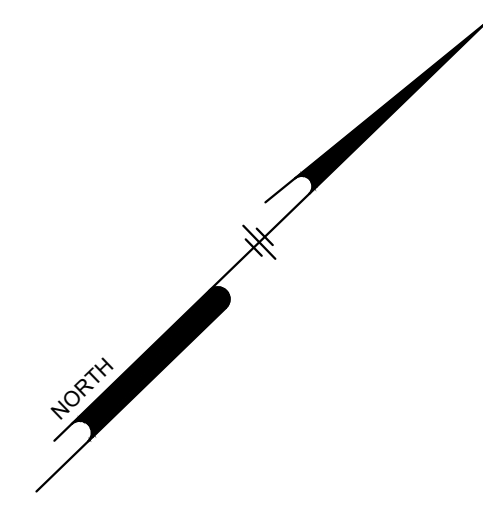
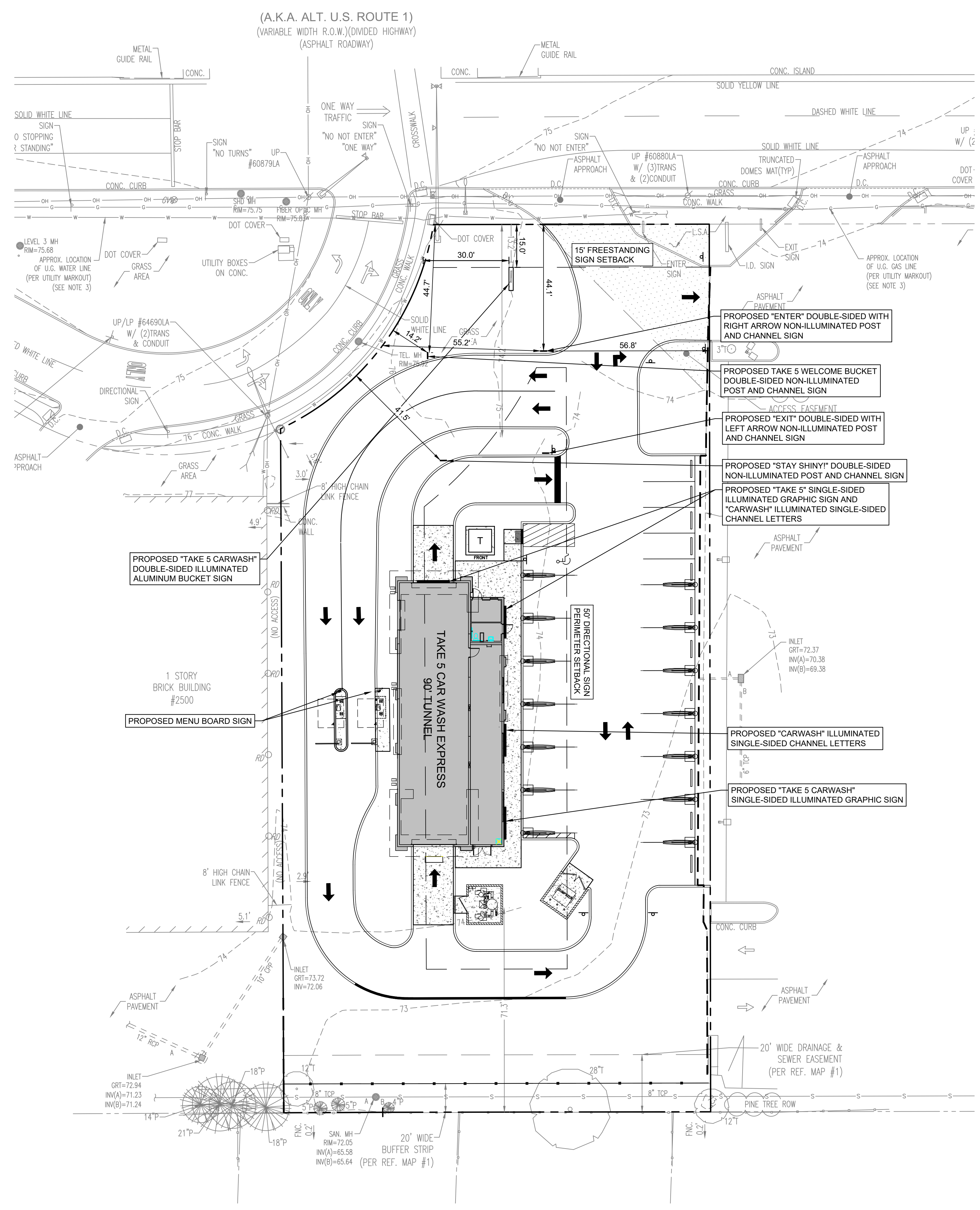
PROJECT: DRVBR22047  
 DATE: 2023-04-21  
 DRAWING SCALE: 1" = 20'  
 DRAWN BY: NC  
 APPROVED BY: CG

**CS1001**  
 SHEET 5 OF 19

**Pennoni**  
 PENNONI ASSOCIATES INC.  
 515 Grove Street, Suite 1B  
 Haddon Heights, NJ 08035  
 T 856.547.0505 F 856.547.9174  
 NJ COA NO. GA28033300

**NOT FOR CONSTRUCTION**

U:\Projects\DRVBR22047 - Take 5 Express Car Wash - Final\CS1002.dwg  
 PLOTTED: 01/29/2023 12:28 PM BY: Nicks Cammarata  
 PROJECT STATUS:



ZONING COMPLIANCE SUMMARY - TOWNSHIP OF LAWRENCE  
 AREA AND BULK REGULATIONS (HC HIGHWAY COMMERCIAL DISTRICT)  
 SHEET 22, BLOCK 2201, LOT 20 - PERMITTED USE

CODE REF	STANDARD	REQUIRED/PERMITTED	EXISTING	PROPOSED	CONFORMANCE
535.M.2(a)	DIRECTIONAL SIGN SETBACK	50' TRACT PERIMETER	N/A	14.2 FT.	NC
535.M.2(d)	DIRECTIONAL SIGN SIZE	MAX AREA = 16 SF MAX HEIGHT = 6 FT	N/A	AREA = 4.42 SF. HEIGHT = 3 FT.	C
535.Q.1	FACADE SIGN SIZE	5% OF TOTAL FACADE AREA FRONT = 48.4 SF MAX. SIDE = 112.5 SF MAX.	N/A	FRONT = 2.4% = 70.15 SF SIDE = 6.0% = 158.62 SF	NC
535.Q.2	NUMBER OF FACADE SIGNS	1 FACADE SIGN PER BUILDING	1	4	NC
535.Q.6	MENU SIGN REQUIREMENTS	(1) MENU SIGN PERMITTED MAX. 6 SF AREA	N/A	2 SIGNS AREA = 16.63 SF.	NC
535.R.1	FREESTANDING SIGN AREA	AREA = MAX. 120 SF	N/A	AREA = 58.47 SF.	C
535.R.7	FREESTANDING SIGN HEIGHT	MAX. 15 FT	N/A	15.0 FT.	C
535.Y.3	FREESTANDING SIGN SETBACK	MIN. 15 FT	13.2 FT.	15.0 FT.	C

C = CONFORMS  
 NC = NON CONFORMING  
 ENC = EXISTING NON CONFORMING

**SEE SHEETS CS6100 AND CS6101 FOR SIGN DETAILS**



**NOT FOR CONSTRUCTION**

**PENNONI ASSOCIATES INC.**  
 515 Grove Street, Suite 1B  
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 T 856.547.0505 F 856.547.9174  
 NJ COA NO. G428033300

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**CHAD GAULRAPP**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. GE 41390

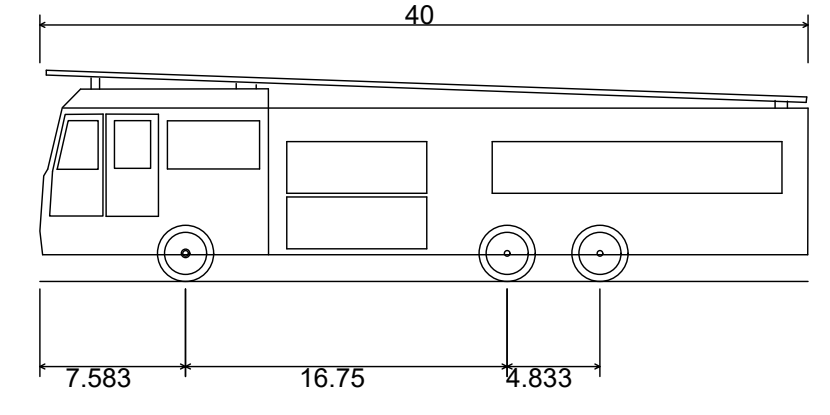
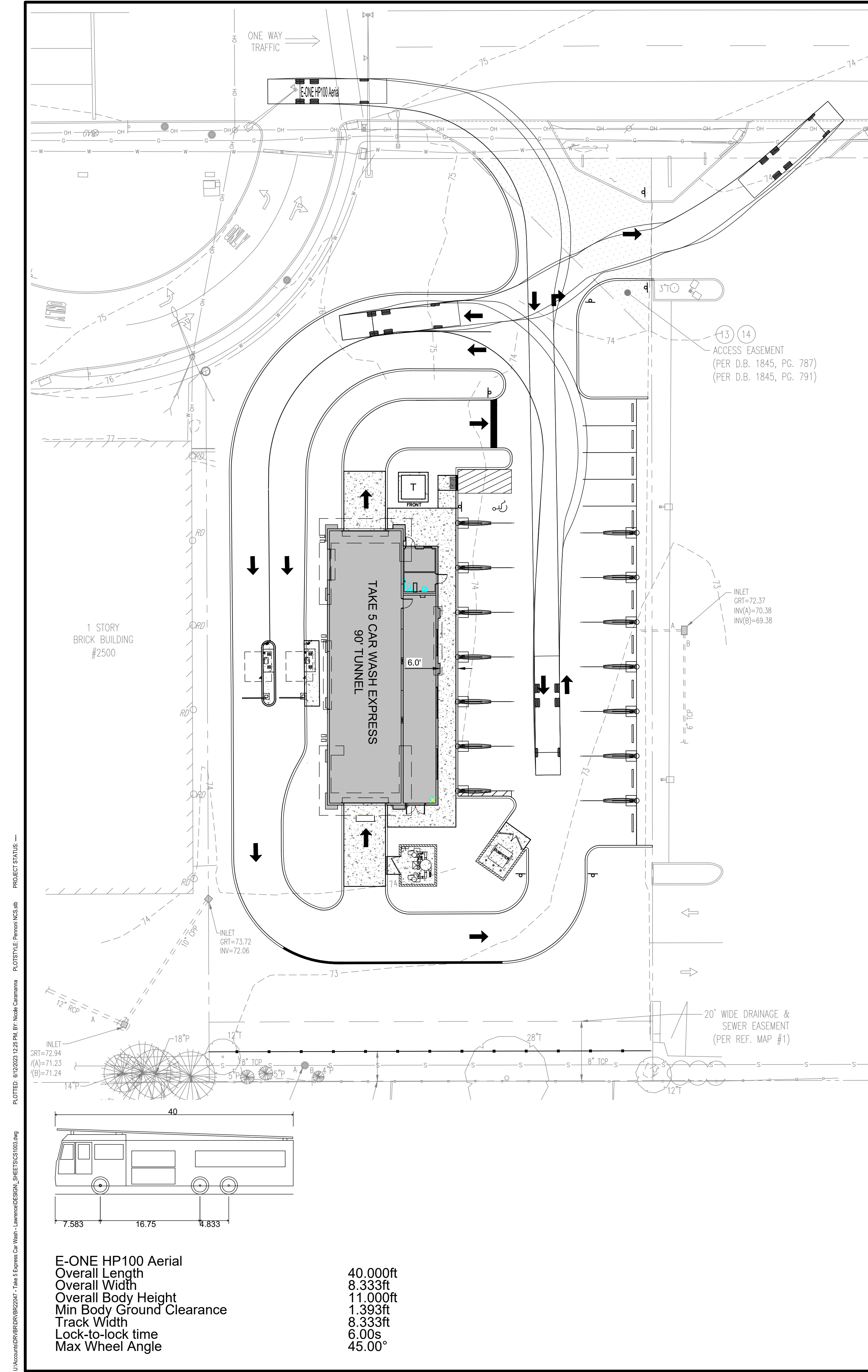
*Chad Gaulrapp* 04/21/23

**TAKE 5 EXPRESS CAR WASH**  
 2520 BRUNSWICK PIKE  
 LAWRENCE TOWNSHIP, NJ 08648

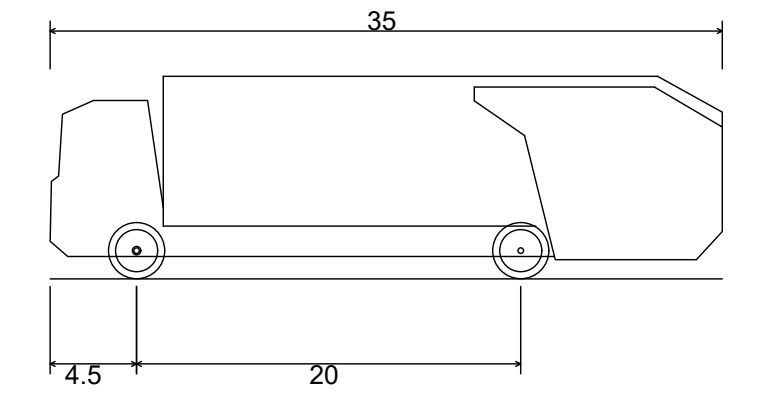
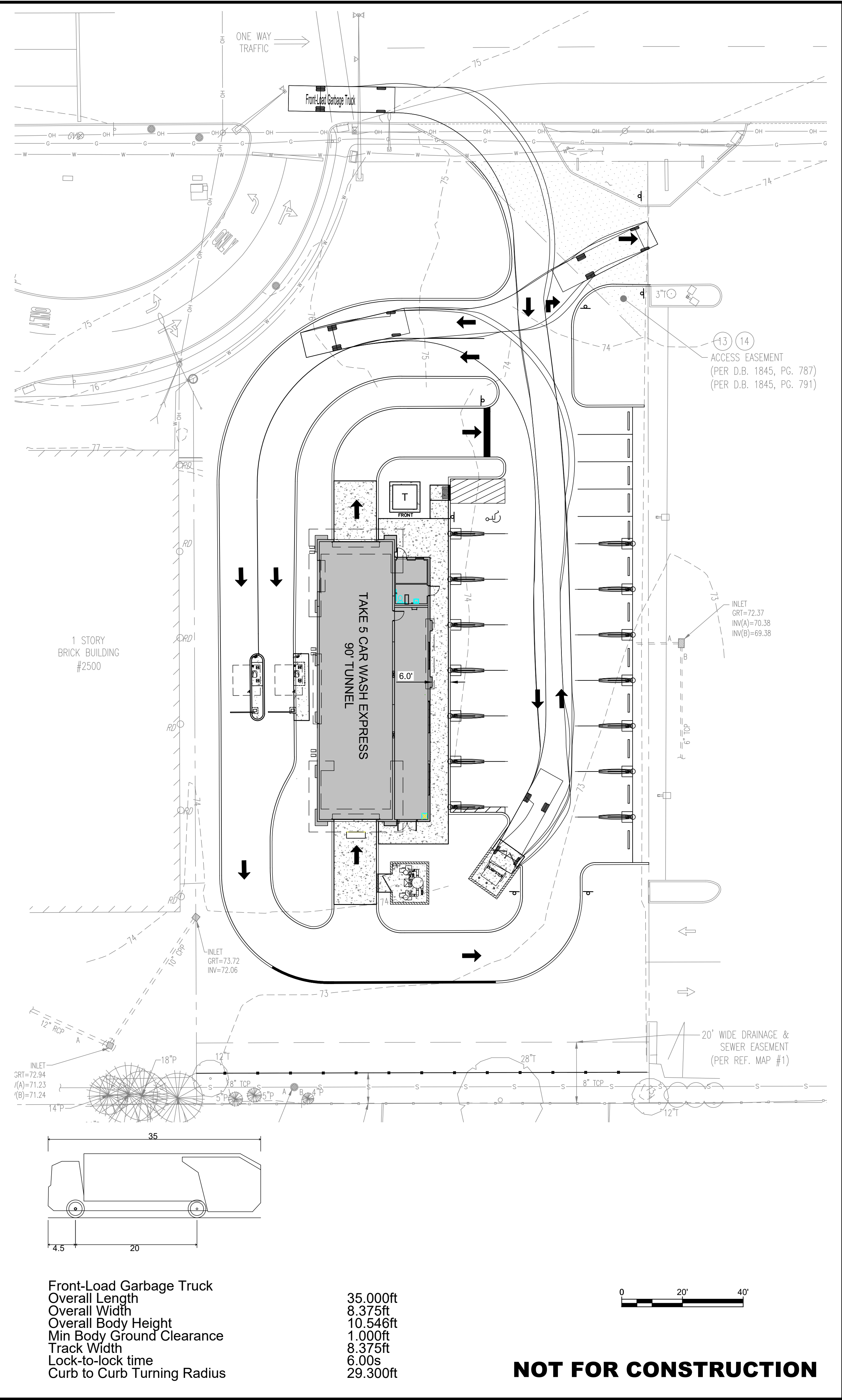
**SIGNAGE SITE PLAN**  
 BOING US HOLDCO, INC.  
 440 SOUTH CHURCH STREET, SUITE 700  
 CHARLOTTE, NC 28202

NO.	DATE	REVISIONS	BY

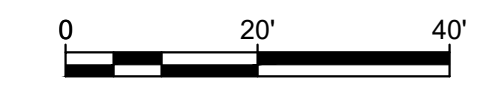
PROJECT: **DRVBR22047**  
 DATE: 2023-04-21  
 DRAWING SCALE: 1" = 20'  
 DRAWN BY: NC  
 APPROVED BY: CG



**E-ONE HP100 Aerial**  
 Overall Length 40.000ft  
 Overall Width 8.333ft  
 Overall Body Height 11.000ft  
 Min Body Ground Clearance 1.393ft  
 Track Width 8.333ft  
 Lock-to-lock time 6.00s  
 Max Wheel Angle 45.00°



**Front-Load Garbage Truck**  
 Overall Length 35.000ft  
 Overall Width 8.375ft  
 Overall Body Height 10.546ft  
 Min Body Ground Clearance 1.000ft  
 Track Width 8.375ft  
 Lock-to-lock time 6.00s  
 Curb to Curb Turning Radius 29.300ft



**NOT FOR CONSTRUCTION**

**Pennoni**  
 PENNONI ASSOCIATES INC.  
 515 Grove Street, Suite 1B  
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 T 856.547.0505 F 856.547.9174  
 NJ COA NO. G428033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**CHAD GAULRAPP**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. GE 41350

*Chad Gaulrapp* 04/21/23

**TAKE 5 EXPRESS CAR WASH**  
 2520 BRUNSWICK PIKE  
 LAWRENCE TOWNSHIP, NJ 08648

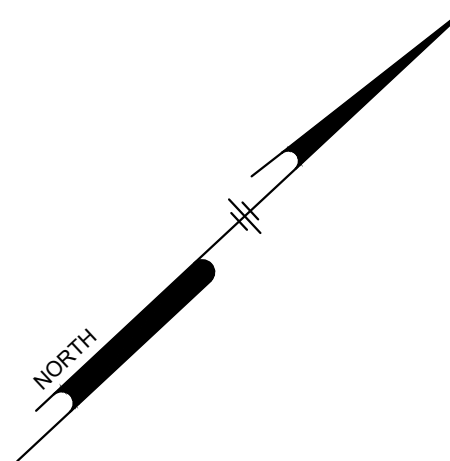
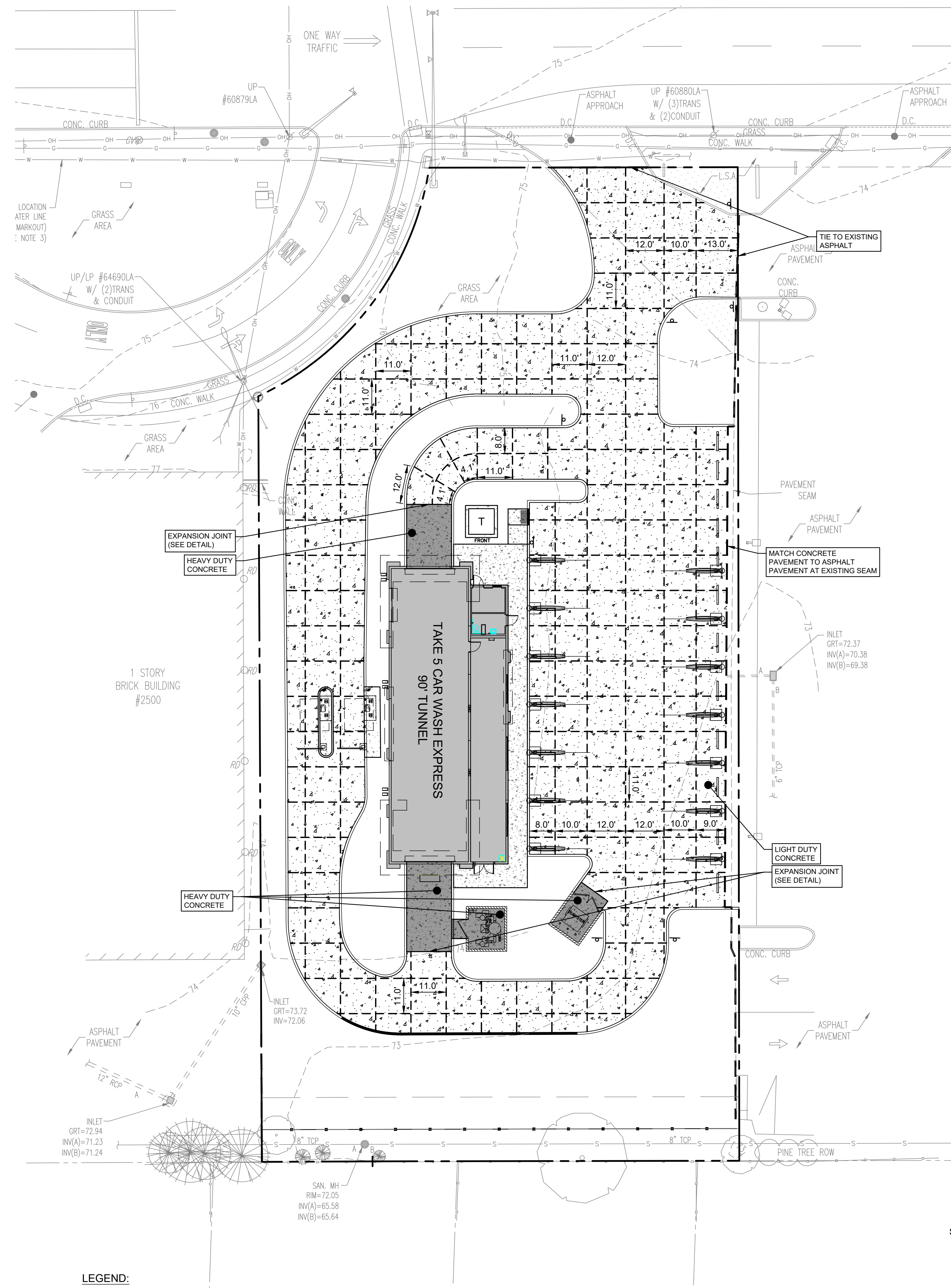
**TRUCK CIRCULATION PLAN**  
 BOING US HOLDCO, INC.  
 440 SOUTH CHURCH STREET, SUITE 700  
 CHARLOTTE, NC 28202

NO.	DATE	REVISIONS	BY

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PROJECT **DRVBR22047**  
 DATE 2023-04-21  
 DRAWING SCALE 1"= 20'  
 DRAWN BY NC  
 APPROVED BY CG

**CS1003**  
 SHEET 7 OF 19



**GENERAL PAVING NOTES:**

- GENERAL CONSTRUCTION NOTES:** REFER TO SHEET CS0002 FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
- PAVEMENT DESIGN:** ALL ON SITE CONCRETE PAVING SHALL BE OF THE THICKNESS AND STRENGTH SHOWN ON THE PLAN. CONCRETE SHALL REACH DESIRED STRENGTH (MIN 4,000PSI) AT 28 DAYS.
- TEMPERATURE CONDITIONS FOR CONCRETE PLACEMENT:** CONCRETE SHALL NOT BE PLACED WHEN THE TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT AND FALLING, BUT MAY BE PLACED WHEN TEMPERATURE IS ABOVE 35 DEGREES FAHRENHEIT AND RISING. THE TEMPERATURE READING SHALL BE TAKEN IN THE SHADE AND AWAY FROM ARTIFICIAL HEAT.
- CONCRETE PAVEMENT CURING:** CONCRETE TO BE FLOAT FINISHED AND CURED FOR A MINIMUM OF 7 DAYS PRIOR TO ANY VEHICULAR TRAFFIC. MEMBRANE CURING TYPE 2, WHITE PIGMENTED, SHALL BE USED FOR CURING ALL CONCRETE SURFACES IMMEDIATELY AFTER FINISHING OF SURFACES AND SHALL BE IN ACCORDANCE WITH THE 2007 NJDOT STANDARD SPECIFICATIONS HIGHWAY STANDARD SPECIFICATIONS.
- SUBGRADE PREPARATION:** SUBGRADE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DRY DENSITY (ASTM D 1557, METHOD D) OR AS SPECIFIC IN THE GEOTECHNICAL REPORTS.
  - PREPARATION OF SUBGRADE UNDER PAVED AREAS SHALL BE PERFORMED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' SPECIFICATIONS AND THE GEOTECHNICAL REPORT. THE MORE RESTRICTIVE REQUIREMENTS SHALL APPLY.
  - PREPARATION OF THE SUBGRADE FOR PAVING WITHIN RIGHT-OF-WAY, ACCESS EASEMENTS AND/OR FIRE LANES SHALL NOT BE INITIATED UNTIL ALL TESTING OF UNDERGROUND UTILITIES HAS BEEN COMPLETED AND VERIFIED TO MEET THE GOVERNING AUTHORITIES' SPECIFICATIONS AND AUTHORIZATION TO PROCEED HAS BEEN RECEIVED FROM THE INSPECTOR.
  - PAVEMENT SUBGRADE SHALL NOT BE ALLOWED TO RETAIN WATER. WET MATERIAL SHALL BE REMOVED TO DRY, SOUND MATERIAL AND APPROPRIATE DENSITY ACHIEVED PRIOR TO PAVING OPERATIONS.
- PROOF-ROLLED SUBGRADE:** THE SUBGRADE SHALL BE PROOF-ROLLED WITH HEAVY PNEUMATIC EQUIPMENT. ANY SOFT OR PUMPING AREAS SHALL BE EXCAVATED TO FIRM SUBGRADE AND BACKFILLED AND PRE-COMPACTED IN CONFORMANCE WITH THE GEOTECHNICAL REPORT.
- PAVEMENT REMOVAL:** BREAKOUTS FOR REMOVAL OF EXISTING PAVEMENT AND CURBS SHALL BE MADE BY A FULL-DEPTH SAWCUT WHEN ADJACENT TO PROPOSED PAVING AND/OR CURBS.
- TESTING:** SAMPLES FOR STRENGTH TESTS OF THE CONCRETE PAVEMENT WILL BE TAKEN BY THE GEOTECHNICAL ENGINEER RETAINED BY THE CONTRACTOR TO VERIFY DESIGN STRENGTH. PAVEMENT AREAS FOUND TO BE DEFICIENT IN STRENGTH SHALL BE REMOVED AND REPLACED SOLELY AT THE EXPENSE OF THE CONTRACTOR. THE GEOTECHNICAL ENGINEER SHALL ALSO RANDOMLY CORE THE PAVEMENT TO VERIFY THE THICKNESS OF CONCRETE. ANY AREA FOUND TO BE DEFICIENT IN THICKNESS SHALL BE REMOVED AND REPLACED SOLELY AT THE EXPENSE OF THE CONTRACTOR.
  - SIDEWALKS AND RAMPS:** CONSTRUCTION OF SIDEWALKS, HANDICAP ACCESSIBLE RAMPS AND ACCESSIBLE ROUTES SHALL BE IN ACCORDANCE WITH THE AMERICANS DISABILITY ACT (ADA).
  - SLOPED SIDEWALKS ADJACENT TO BUILDING SHALL NOT HAVE SLOPES GREATER THAN 5% OR 1:20 ALONG THE TRAVEL PATH AND A MAX 2% CROSS SLOPE. NO RAMPS SHALL BE USED ADJACENT TO BUILDING.
- PAVEMENT MARKING:** CONCRETE FOR HANDICAP RAMPS SHALL BE COLOR CONDITIONED "TILE RED" WITH A COLORING ADD MIXTURE SPECIFICALLY FOR USE IN CONCRETE. CONTRACTOR SHALL USE CHROMIX ADD MIXTURES OR EQUIVALENT. AS MANUFACTURED BY L.M. SCHOFIELD STAIN COMPANY AT ALL SIDEWALKS AS NOTED ON PLAN.
  - PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE MOST CURRENT NEW JERSEY "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES". FIRE LANES SHALL BE STRIPED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' REQUIREMENTS. REFER TO THE DIMENSION CONTROL PLAN FOR EXACT PLACEMENT. ALL HANDICAP SYMBOLS, SIGNAGE AND PAVEMENT MARKINGS SHALL COMPLY WITH ADA STANDARDS. ALL PARKING SPACES SHOWN ON PROPOSED CONSTRUCTION SHALL BE MARKED WITH 4-INCH WIDE WHITE PAINTED PAVEMENT STRIPING.
  - IRRIGATION CONDUIT:** ALL IRRIGATION CONDUIT AND SLEEVES SHALL BE TWO 4-INCH SCHEDULE 40 PVC, INSTALLED WITH A MINIMUM OF 24-INCHES OF COVER. REFERENCE THE PAVING PLAN AND/OR LANDSCAPE PLANS FOR NUMBER OF CONDUITS, SIZE AND LOCATIONS OF PROPOSED IRRIGATION CONDUITS AND SLEEVES.
  - PAVEMENT WARRANTY:** CONTRACTOR WILL PROVIDE A 2-YEAR UNCONDITIONAL MAINTENANCE FREE WARRANTY ON ALL PAVEMENT SURFACES.
  - PAVEMENT WITHIN NJDOT RIGHT-OF-WAY:** ALL PAVEMENT CONSTRUCTION WITHIN THE NJDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF NJDOT STANDARDS AND SPECIFICATIONS. THE ABOVE NOTES PERTAIN TO ALL PAVEMENT LOCATED WITHIN THE PROPERTY BOUNDARY AND SHALL NOT PERTAIN TO CONSTRUCTION OF PAVEMENT WITH IN NJDOT RIGHT-OF-WAY.

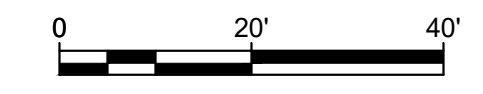
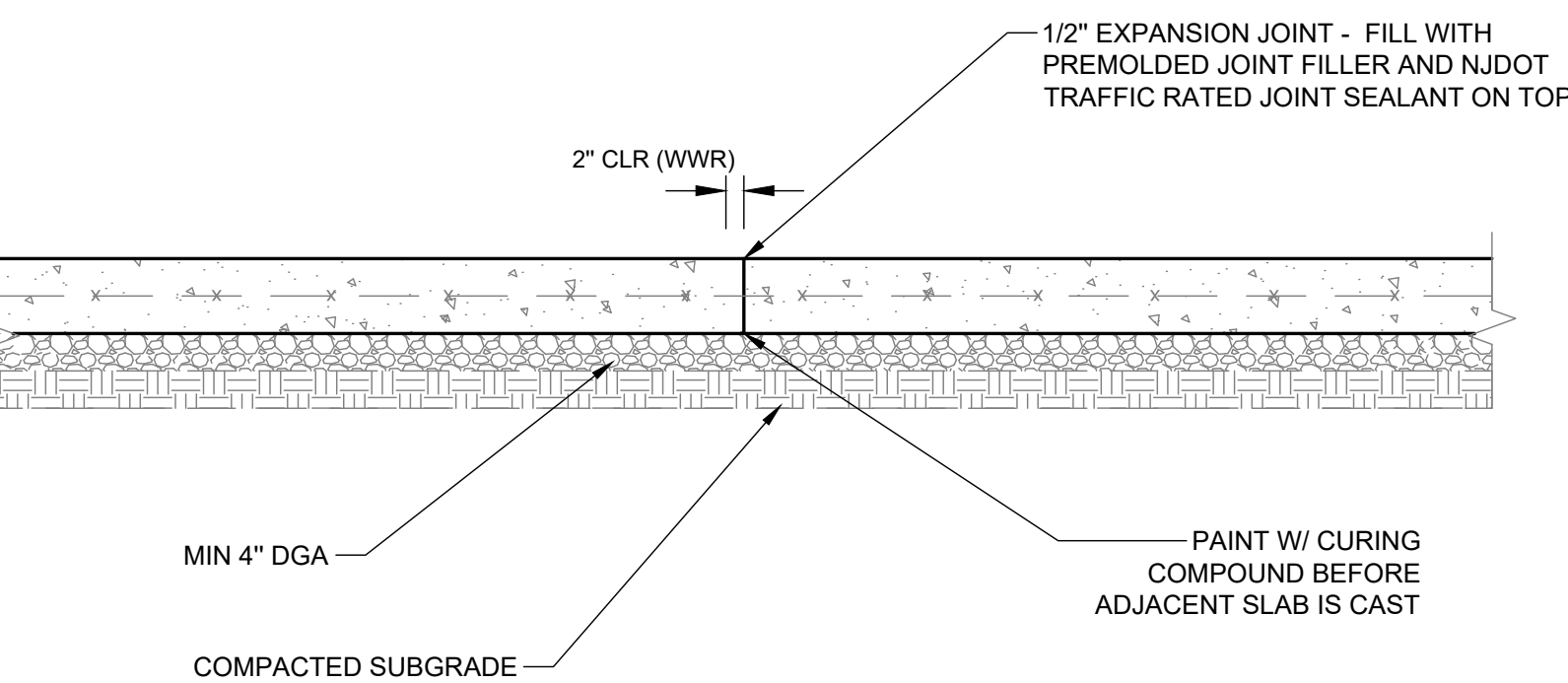
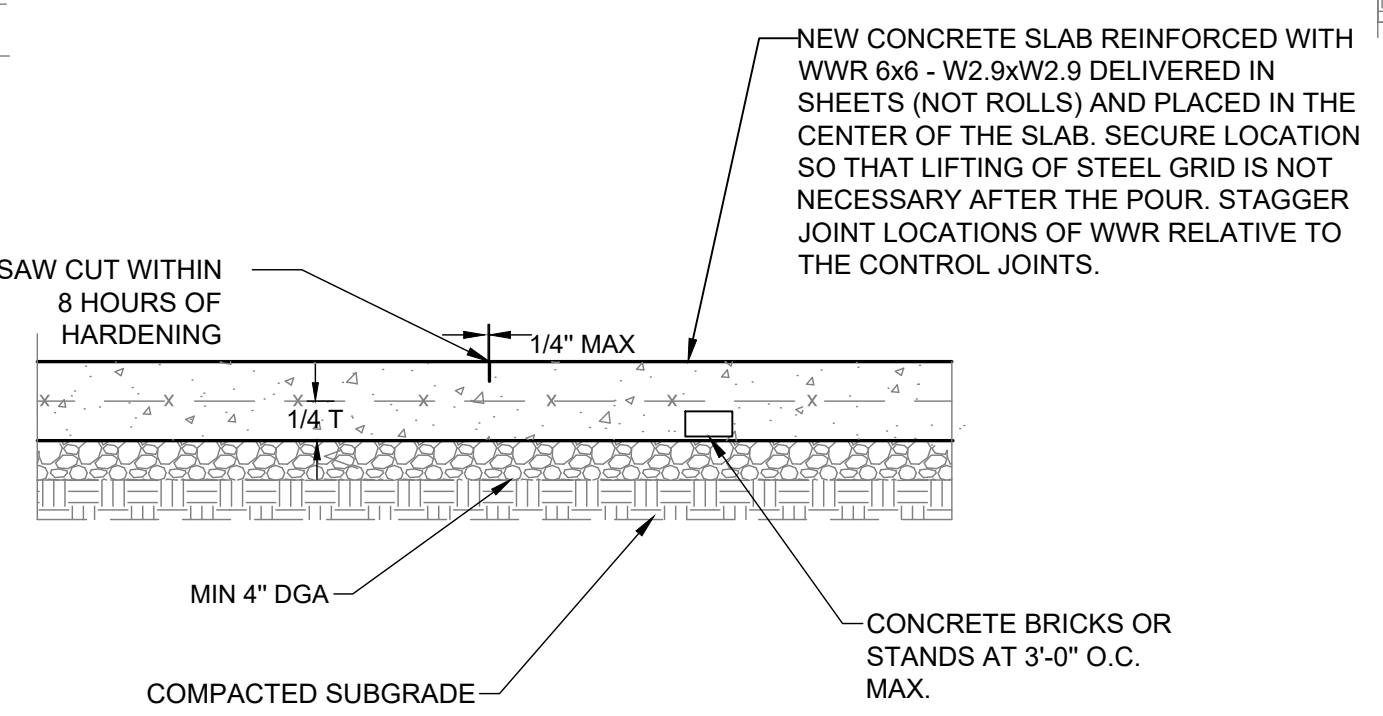
**PAVEMENT JOINTING NOTES:**

- PAVEMENT JOINT LAYOUT:** CONTROL JOINTS SHALL BE SPACED APPROXIMATELY AS SHOWN ON THE JOINT PLAN AND SHALL HAVE A MAX SPACING OF 12' IN ANY DIRECTION, UNLESS OTHERWISE SHOWN.
- SAW CUTTING:** SAW CUTTING SHALL BE DONE WITHIN THE EIGHT HOURS OF HARDENING. SAW-CUT JOINTS SHOULD EXTEND A MINIMUM OF 1/4 OF THE CONCRETE THICKNESS. ALL CONCRETE JOINTS SHOULD CONFORM WITH APPLICABLE SPECIFICATIONS OF THE NEW JERSEY DEPARTMENT OF TRANSPORTATION.
- EXPANSION JOINTS:** THE CONTRACTOR SHALL PROVIDE AN EXPANSION JOINT AT A MAX SPACING OF 24' IN ANY DIRECTION (IN A GENERAL ALTERNATING PATTERN WITH THE CONTROL JOINTS)

**LEGEND:**

**LIGHT DUTY CONCRETE**  
6" RIGID CONCRETE PAVEMENT. MINIMUM OF 4" GRADED AGGREGATE BASE COURSE.

**HEAVY DUTY CONCRETE**  
8" RIGID CONCRETE PAVEMENT. MINIMUM OF 4" GRADED AGGREGATE BASE COURSE.



**NOT FOR CONSTRUCTION**

**Pennoni**  
 PENNONI ASSOCIATES INC.  
 515 Grove Street, Suite 1B  
 Haddon Heights, NJ 08035  
 T 856.547.0505 F 856.547.9174  
 NJ COA. NO. GA28033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**CHAD GAULRAPP**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. GE 41350

*Chad Gaulrapp* 04/21/23

**TAKE 5 EXPRESS CAR WASH**  
 2520 BRUNSWICK PIKE  
 LAWRENCE TOWNSHIP, NJ 08648

**CONCRETE JOINT PLAN AND NOTES**

**BOING US HOLDCO, INC.**  
 440 SOUTH CHURCH STREET, SUITE 700  
 CHARLOTTE, NC 28202

NO.	DATE	REVISIONS	BY

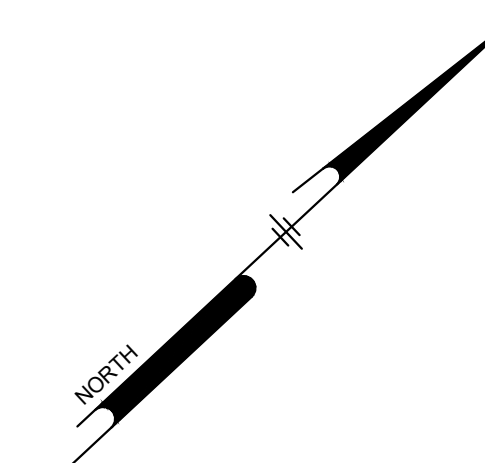
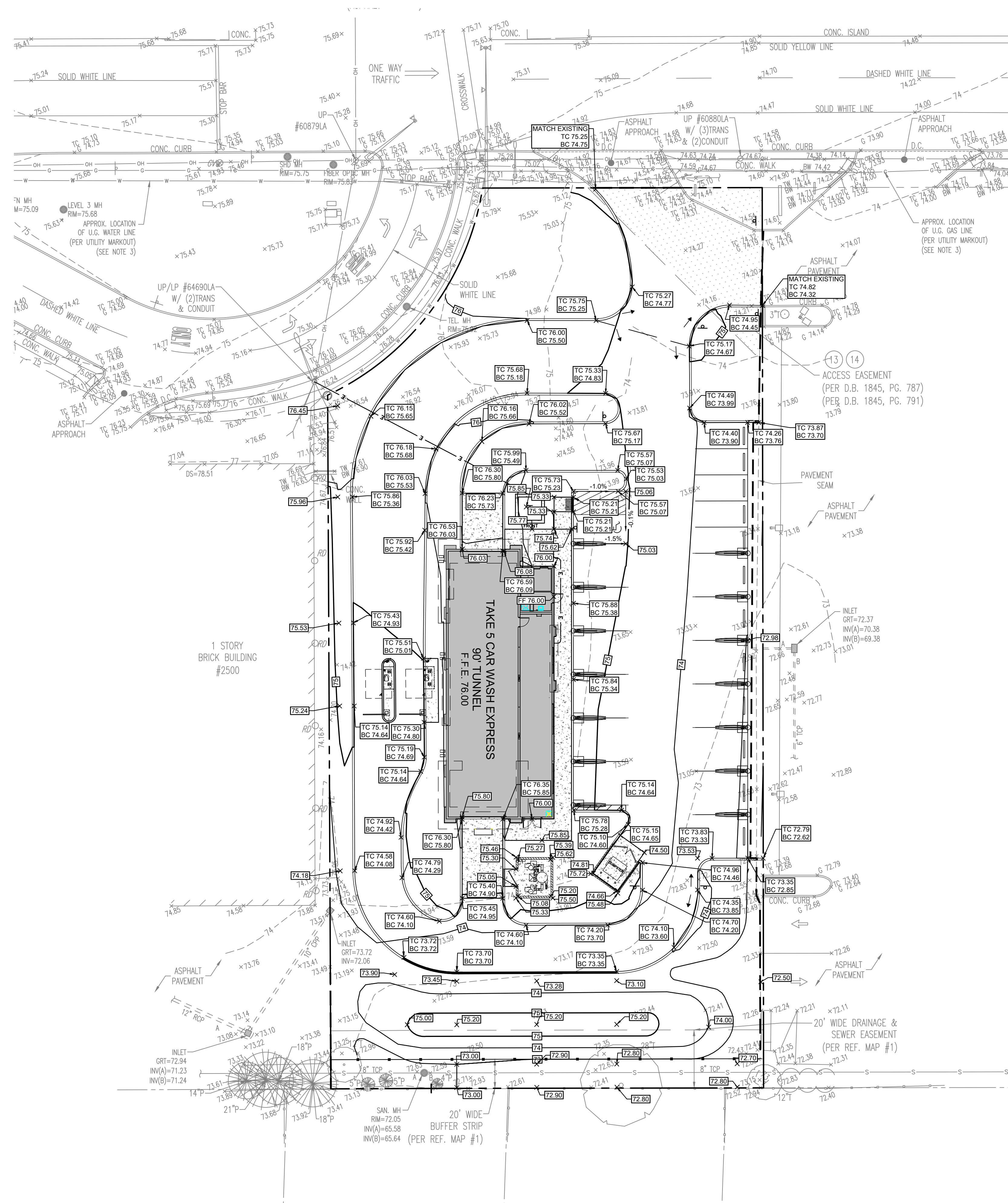
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PROJECT	DRVBR22047
DATE	2023-04-21
DRAWING SCALE	1" = 20'
DRAWN BY	NC
APPROVED BY	CG

PLOTTED: 04/20/2023 12:27 PM BY: Heidi Cummings PLOTTFILE: Pennoni\CS1004.dwg PROJECT STATUS: —  
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U:\Projects\DR\BR\BR22047 - Take 5 Express Car Wash - Issue - Issue\CS1501.dwg PLOTTED: 01/23/2023 12:39 PM BY: Heidi Cummings PROJECT STATUS: ---



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**TAKE 5 EXPRESS CAR WASH**  
2520 BRUNSWICK PIKE  
LAWRENCE TOWNSHIP, NJ 08648

NO.	REVISIONS	DATE	BY

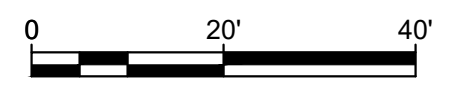
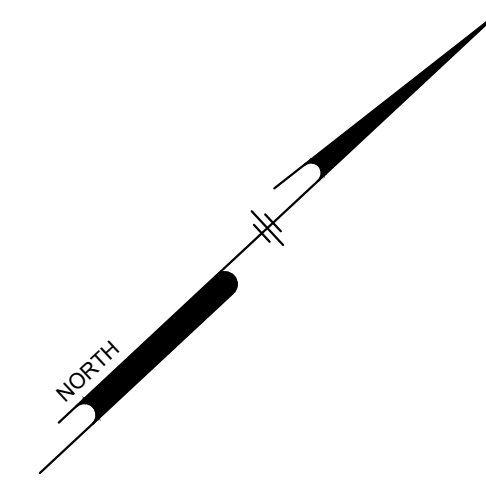
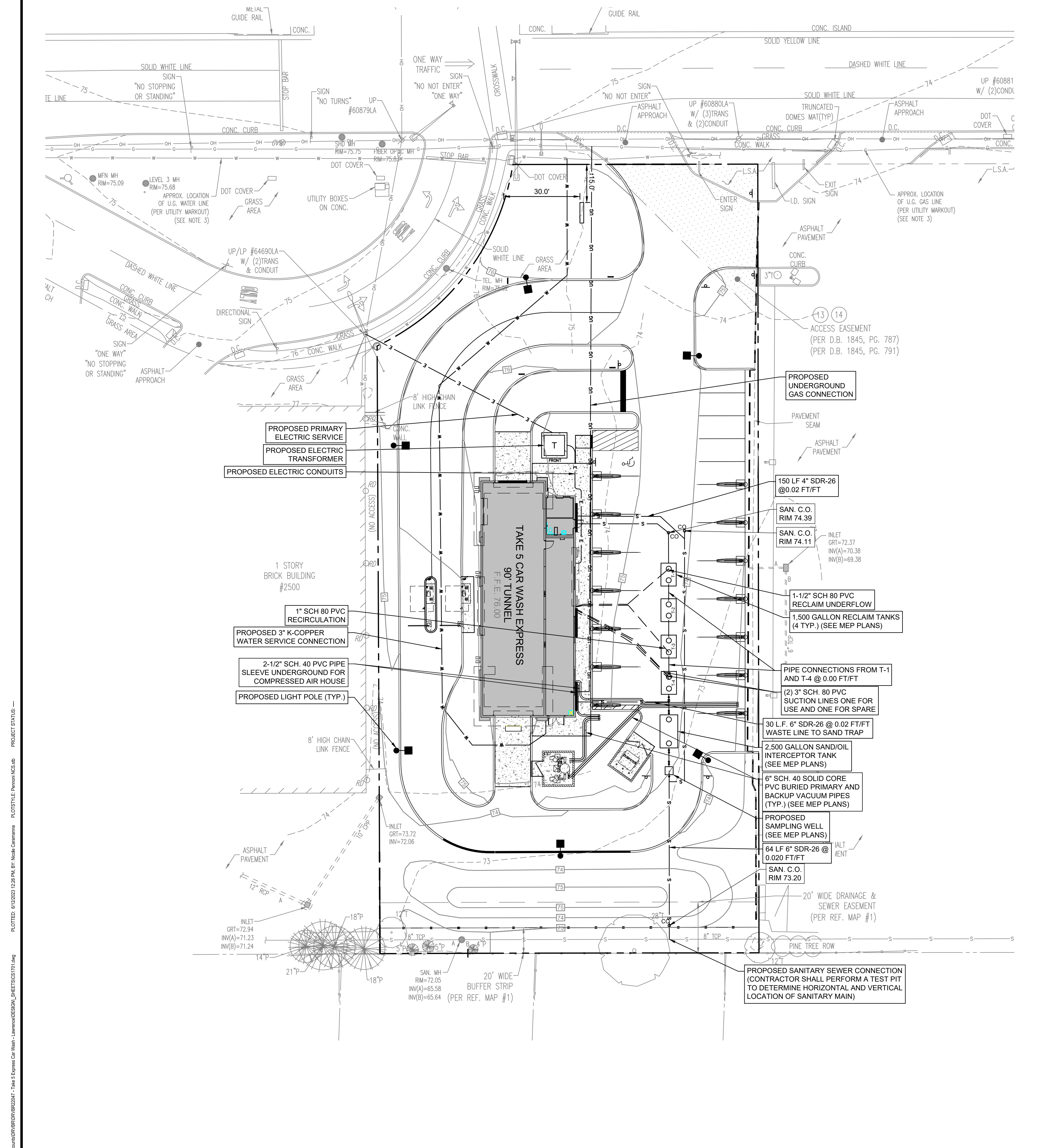
PROJECT: **DRVBR22047**  
DATE: 2023-04-21  
DRAWING SCALE: 1"= 20'  
DRAWN BY: NC  
APPROVED BY: CG

**CS1501**  
SHEET 9 OF 19

**Pennoni**  
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NJ COA NO. G428033300

**CHAD GAULRAPP**  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. GE 41390  
*Chad Gaulrapp* 04/21/23

**BOING US HOLDCO, INC.**  
440 SOUTH CHURCH STREET, SUITE 700  
CHARLOTTE, NC 28202



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**Pennoni**  
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 NJ COA NO. G428033300

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**CHAD GAULRAPP**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. GE 41390

*Chad Gaulrapp* 04/21/23

**TAKE 5 EXPRESS CAR WASH**  
 2520 BRUNSWICK PIKE  
 LAWRENCE TOWNSHIP, NJ 08648

**UTILITY PLAN**

**BOING US HOLDCO, INC.**  
 440 SOUTH CHURCH STREET, SUITE 700  
 CHARLOTTE, NC 28202

NO.	DATE	REVISIONS	BY

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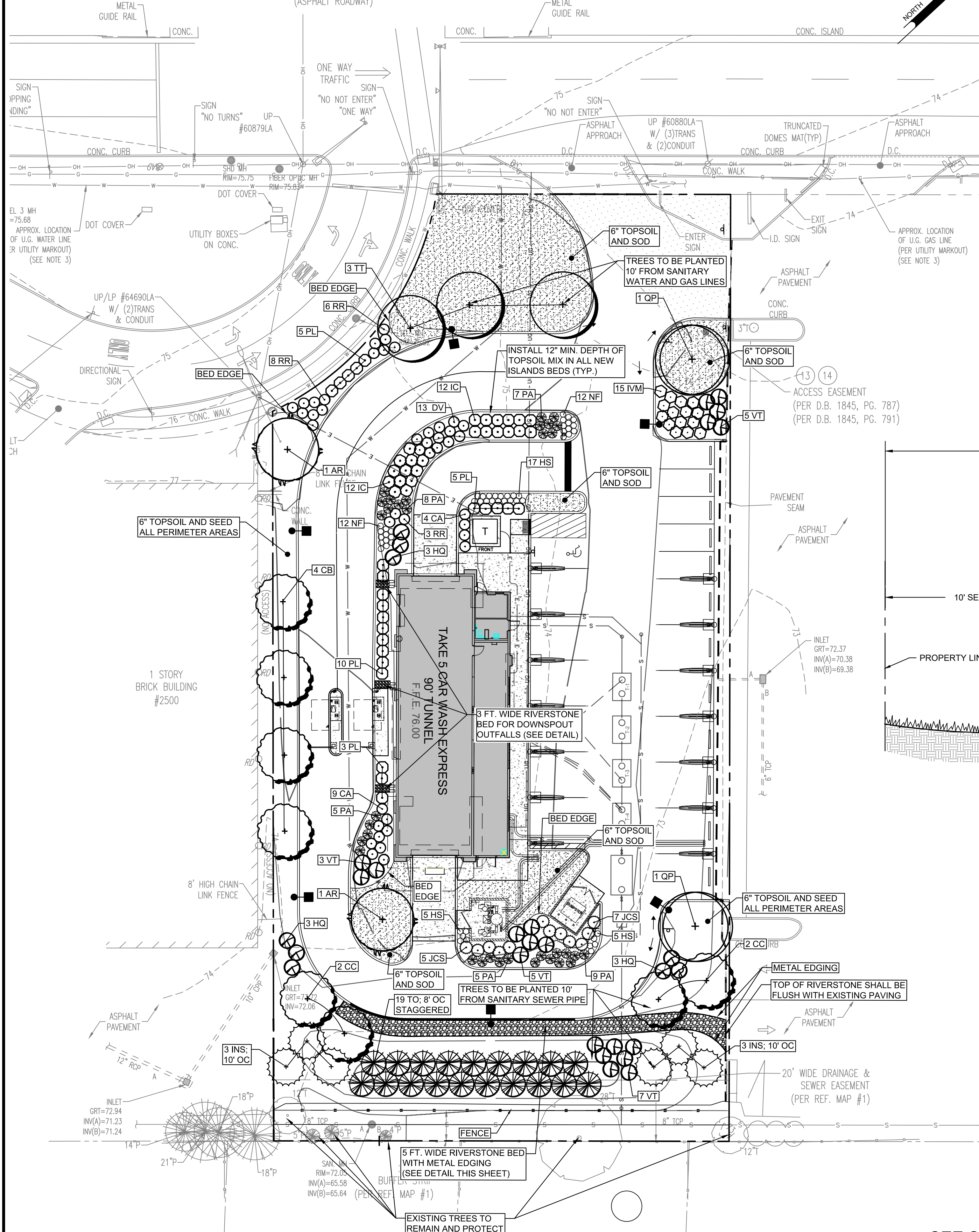
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 DATE: **2023-04-21**  
 DRAWING SCALE: **1" = 20'**  
 DRAWN BY: **NC**  
 APPROVED BY: **CG**

**CS1701**  
 SHEET 10 OF 19

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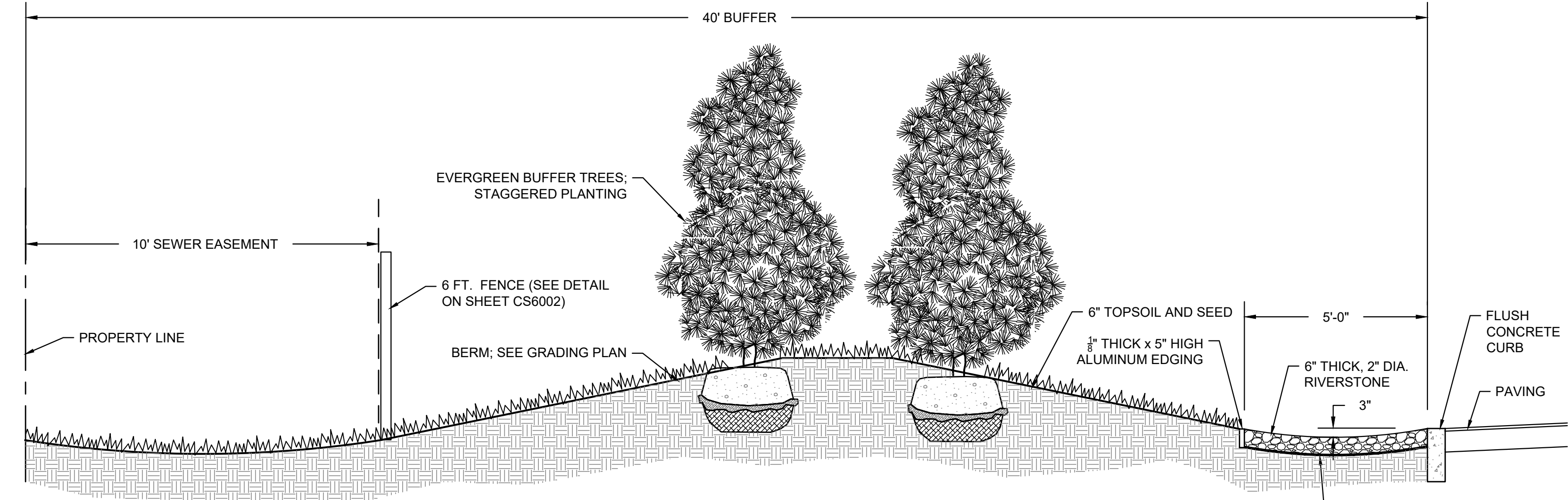
# BRUNSWICK PIKE

(A.K.A. ALT. U.S. ROUTE 1)  
(VARIABLE WIDTH R.O.W.) (DIVIDED HIGHWAY)  
(ASPHALT ROADWAY)

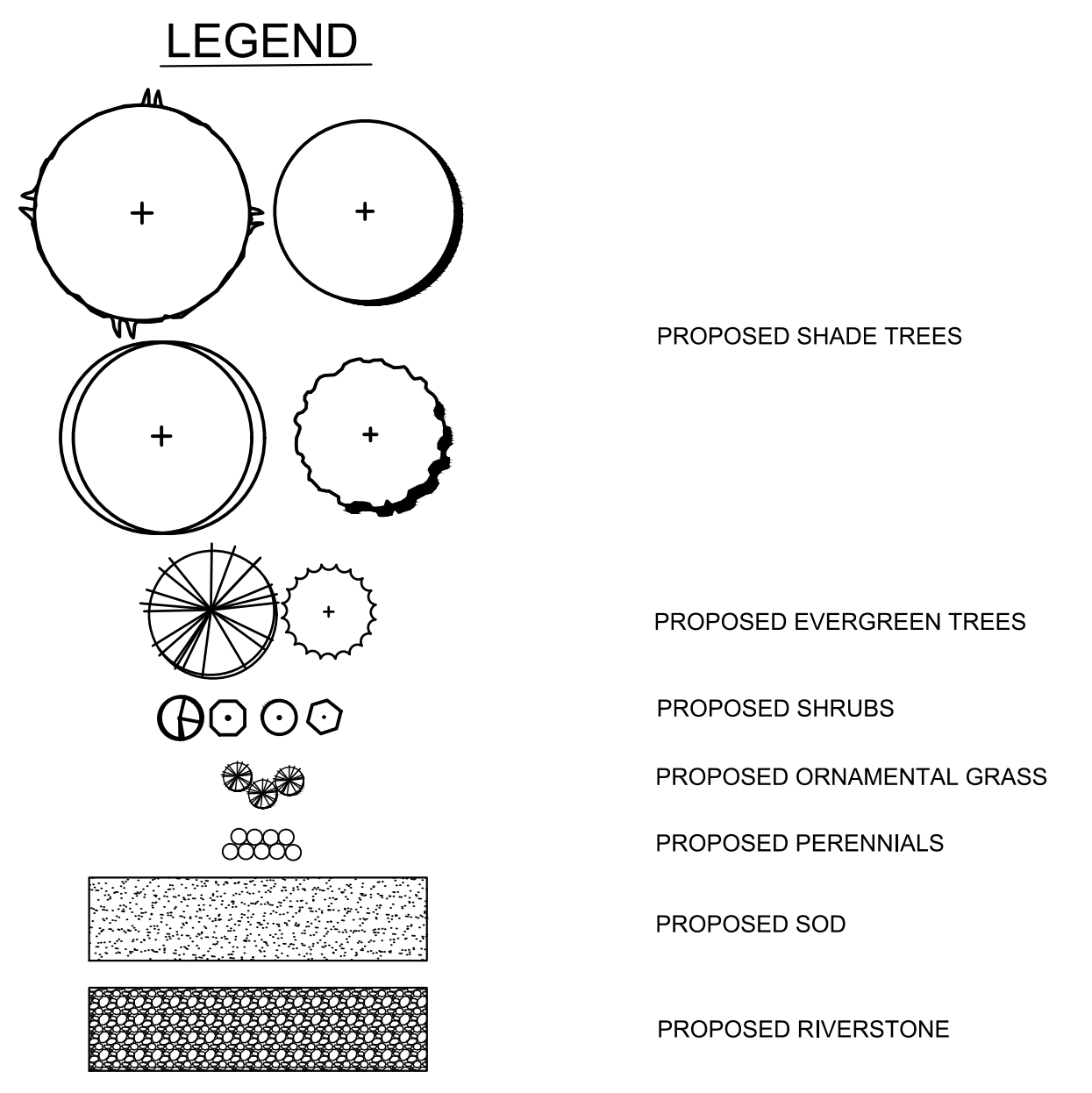


SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	MATURE SIZE	COMMENTS	FALL DIG HAZARD SPRING PLANTED ONLY
<b>DECIDUOUS TREES</b>								
CB	4	CARPINUS BETULUS 'FASTIGIATA'	PYRAMIDAL EUROPEAN HORNBEAM	3-3.5" CAL., 12-14' HGT.	B&B	40-60' HGT; 30-40' WD	FULL; LIMBED TO 7 FT.	YES
OP	2	QUERCUS PHELLOS	WILLOW OAK	3-3.5" CAL., 12-14' HGT.	B&B	40-60' HGT; 30-40' WD	FULL; LIMBED TO 7 FT.	YES
TT	3	TILIA TOMENTOSA 'GREEN MOUNTAIN'	GREEN MOUNTAIN SILVER LINDEN	3-3.5" CAL., 12-14' HGT.	B&B	40-60' HGT; 30-40' WD	FULL; LIMBED TO 7 FT.	YES
AR	2	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	3-3.5" CAL., 12-14' HGT.	B&B	40-60' HGT; 30-40' WD	FULL; LIMBED TO 7 FT.	YES
<b>EVERGREEN TREES</b>								
TO	15	THUJA OCCIDENTALIS 'GREEN GIANT'	GREEN GIANT ARBORVITAE	7-8' HGT.	B&B	40-50' HGT; 12-15' WD	FULL; SPECIMENS	
INS	6	ILEX X 'NELLIE STEVENS'	NELLIE STEVENS HOLLY	7-8' HGT.	B&B	20-25' HGT; 10-15' WD	FULL; SPECIMENS	
<b>ORNAMENTAL TREES</b>								
CC	4	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	3" CAL.; 11-12' HGT.	B&B	18-20' HGT; 15' WD	FULL SPECIMENS	
<b>SHRUBS</b>								
IVM	15	ITEA VIRGINICA 'MERLOT'	MERLOT VIRGINIA SWEETSPIRE	18 - 24" HGT.	#3 CONT.	3-4' HGT; 3-4' WD	FULL; 3.5' SPACING	
VT	20	VIBURNUM TRILOBUM 'BAILEY COMPACT'	AMERICAN CRANBERRYBUSH VIBURNUM	30 - 36" HGT.	#5 CONT.	5-6' HGT; 5-6' WD	FULL; 5' SPACING	
IC	24	ILEX CRENATA 'GREEN LUSTRE'	GREEN LUSTRE JAPANESE HOLLY	18 - 24" HGT.	#3 CONT.	3-4' HGT; 3-4' WD	FULL; 4' SPACING	
RR	17	ROSA SUNNY KNOCK OUT (YELLOW)	SUNNY RADSUNNY KNOCKOUT ROSE	24 - 30" HGT.	#3 CONT.	3-4' HGT; 3-4' WD	FULL; 4' SPACING	
CA	13	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	'HUMMINGBIRD' SUMMERSWEET	24 - 30" HGT.	#3 CONT.	3-4' HGT; 3-4' WD	FULL; 3.5' SPACING	
DV	13	DIERVILLA X SPLENDENS 'KODIAK ORANGE'	KODIAK ORANGE BUSH HONEYSUCKLE	18 - 24" HGT.	#3 CONT.	3-4' HGT; 3-4' WD	FULL; 3' SPACING	
JCS	12	JUNIPERUS CHINENSIS 'SPARTAN'	SPARTAN JUNIPER	5-6' HGT.	#7 CONT.	15-18' HGT; 4-5' WD	FULL; 4' SPACING	
PL	23	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN CHERRY LAUREL	30 - 36" HGT.	#5 CONT.	4-5' HGT; 4-5' WD	FULL; 4' SPACING	
HQ	9	HYDRANGEA QUERCIFOLIA 'ALICE'	ALICE OAKLEAF HYDRANGEA	30 - 36" HGT.	#5 CONT.	5-6' HGT; 5-6' WD	FULL; 5' SPACING	
<b>GRASSES AND SEDGES</b>								
PA	34	PENNISETUM ALOPECUROIDES 'RED HEAD'	RED HEAD FOUNTAIN GRASS	15-18" HGT.	#3 CONT.	3' HGT; 3' WD	3" O.C. SPACING	
<b>PERENNIALS</b>								
NF	24	NEPETA X FAASENII 'WALKERS LOW'	WALKER'S LOW CATMINT	8-12" HGT.	#1 CONT.	24" HGT; 24" WD	24" O.C. SPACING	
HS	27	HEMEROCALLIS STELLA D'ORO	STELLA D'ORO DAYLILY	8-12" HGT.	#1 CONT.	24" HGT; 24" WD	24" O.C. SPACING	

SECTION	REQUIRED	PROVIDED	COMPLIES
SECTION 505.C(2): STREET TREES	ONE (1) 3" MIN. CALIPER TREE PER 40 LF OF FRONTAGE 200 LF FRONTAGE = 5 TREES	5 TREES @ 3" MIN. CALIPER	YES
SECTION 505.L(2): PARKING LOT TREES	SIX (6) 3" MIN. CALIPER LARGE TREES PER 100 LF OF ISLAND 80 LF/100 = 6 TREES	6 LARGE TREES @ 3" MIN. CALIPER	YES
SECTION 505.L(2): PARKING LOT TREES	FOUR (4) 3" MIN. CALIPER SMALL TREES PER 100 LF OF ISLAND 80 LF/100 = 4 TREES	4 SMALL TREES @ 3" MIN. CALIPER	YES
SECTION 505.L(2): PARKING LOT SHRUBS	SIXTY (60) SHRUBS PER 100 LF OF ISLAND 80 LF/100 = 60 SHRUBS	128 SHRUBS	YES



SECTION OF VEGETATED LANDSCAPE BUFFER AND STONE SWALE  
NTS



SEE SHEET CS6061 FOR LANDSCAPE DETAILS AND NOTES

**NOT FOR CONSTRUCTION**



**PENNONI ASSOCIATES INC.**  
515 Grove Street, Suite 1B  
Haddon Heights, NJ 08035  
T 856.547.0505 F 856.547.9174  
NJ COA. NO. GA28033300

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**CHAD GAULRAPP**  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. GE 41350

*Chad Gaulrapp* 04/21/23

**TAKE 5 EXPRESS CAR WASH**  
2520 BRUNSWICK PIKE  
LAWRENCE TOWNSHIP, NJ 08648

**LANDSCAPE PLAN**

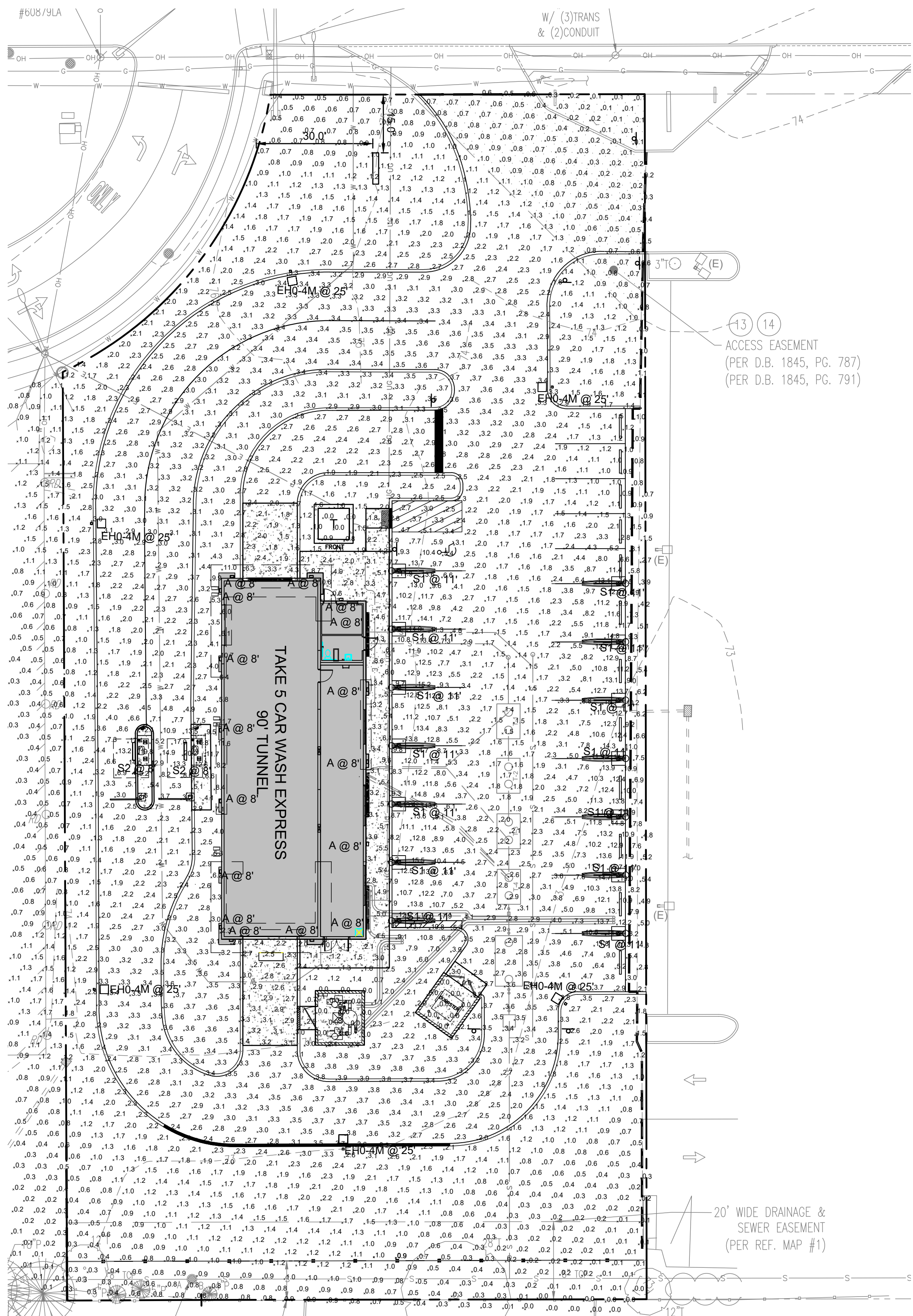
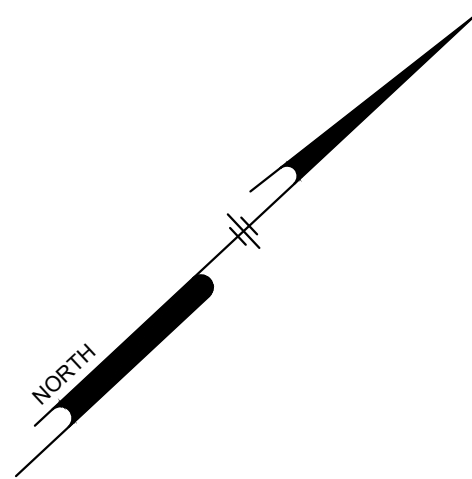
**BOING US HOLDCO, INC.**  
440 SOUTH CHURCH STREET, SUITE 700  
CHARLOTTE, NC 28202

NO.	DATE	REVISIONS	BY

PROJECT: **DRVBR22047**  
DATE: 2023-04-21  
DRAWING SCALE: 1" = 20'  
DRAWN BY: TDG  
APPROVED BY: CG

**CS2001**  
SHEET 11 OF 19

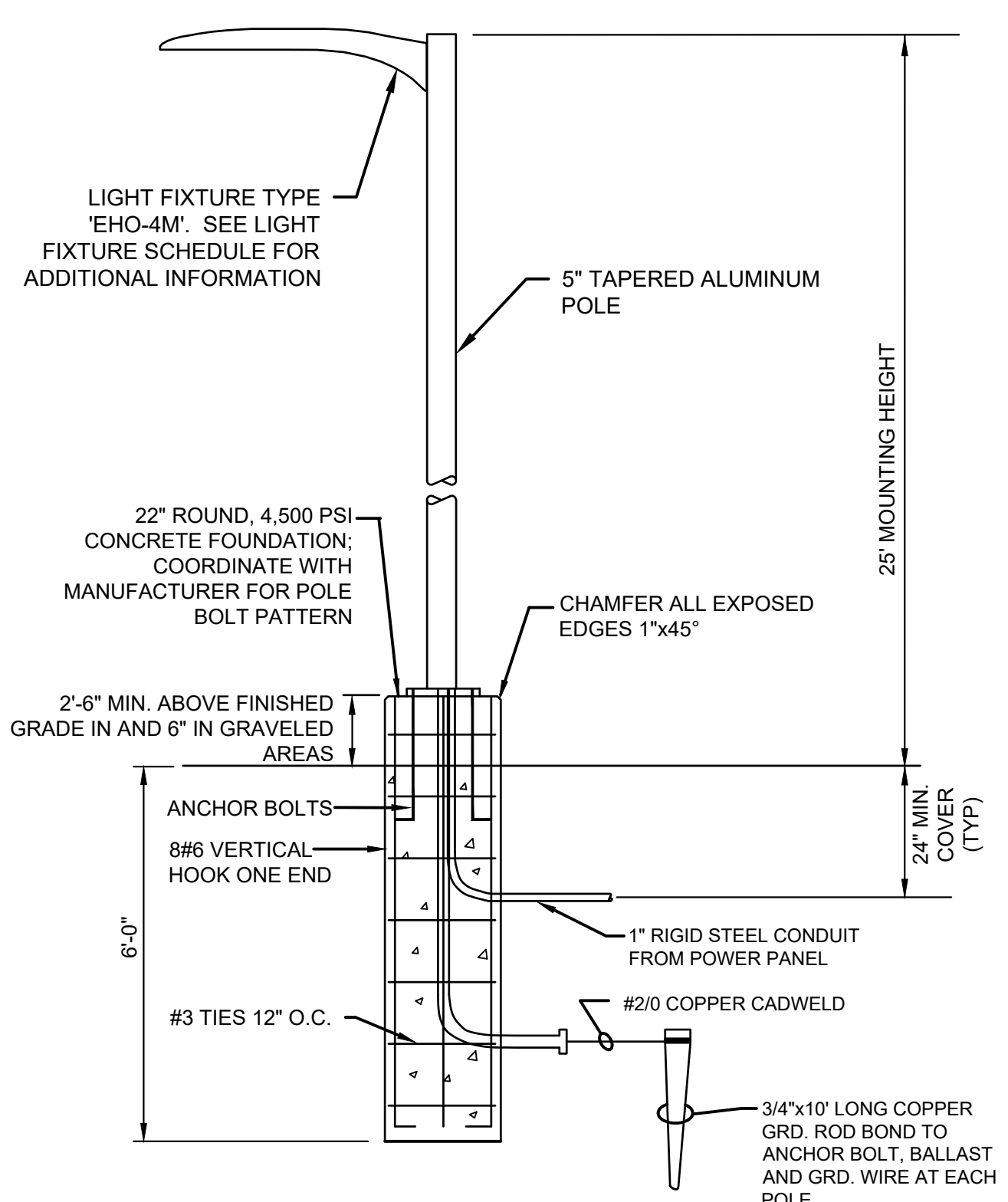
STATISTICS						
DESCRIPTION	SYMBOL	AVG	MAX	MIN	MAX/MIN	AVG/MIN
TOTAL SITE PAVED AREA	+	2.9 fc	20.4 fc	0.0 fc	N/A	N/A



**1 LIGHTING PLAN**  
SCALE: 1" = 20'

EXTERIOR LIGHT FIXTURE SCHEDULE										
TYPE	QTY.	DESCRIPTION	LED LUMENS	TOTAL WATTAGE	BALLAST/DRIVER	VOLTAGE	MANUFACTURER	MODEL #	REMARKS	IMAGES
A □	16	WEDGE RECTILINEAR SHAPE LED WALL MOUNTED DOWNLIGHT.	1227	10	INTEGRAL LED DRIVER	120 V	LITHONIA LIGHTING	WDGE 1 LED P1 40K 80 VF MVOLT DDBXD	MOUNTED ON BUILDING FACADE 8"-0" AFG.	
EHO-4M □	6	SINGLE HEAD LED LIGHT FIXTURE MOUNTED ON SQUARE POLE. TYPE T3M LIGHT DISTRIBUTION. PROVIDE WITH PHOTOCCELL OPTION.	15,376	138	INTEGRAL LED DRIVER	120 V	LITHONIA	DSX1 LED P5 40K T3M MVOLT SPA FINISH DM19AS 25'-0" POLE	MOUNTING HEIGHT 25'-0" AFG.	
S1 	14	SURFACE MOUNTED FLEXIBLE AC LED LIGHT STRIP. IP67 RATED AND TUNABLE RANGE. 4000K COLOR TEMPERATURE. 90+CRI. 320 LM/FT, 4W/FT. REFER TO REMARKS FOR ADDITIONAL SPECIFICATION INFORMATION. (AT VACUUM STATIONS)	3153	19	INTEGRAL LED DRIVER	120 V	ORGANIC LIGHTING	036028 [1P67 ACCESSORIES] 010982 / 010959	LOCATED AT VACUUM CANOPY.  MOUNTED 11'-0" AFG. REFER TO ARCHITECTURAL DRAWINGS.  FOR MOUNTING HEIGHT. COORDINATE FINAL STRIP LENGTH WITH APPLICATION.  FINAL SELECTION SHALL BE BY OWNER.	
S2 	2	SURFACE MOUNTED PAYSTATION LIGHTING FIXTURE.	3920	33	INTEGRAL LED DRIVER	MVOLT	LITHONIA	4FT LINEAR LENSED LED VAP-4000LM-FST-WD-MVOLT-GZ10-50K-80CRI	REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT	

- NOTES:
- FINAL COLOR AND FINISH SELECTION TO DETERMINED BY THE ARCHITECT.
  - ALL LIGHT FIXTURES SHALL HAVE A U.L. LABEL INDICATING THAT THE FIXTURE WATTAGE SPECIFIED ABOVE IS THE MAXIMUM ALLOWABLE FOR THE FIXTURE.
  - THE CONTRACTOR SHALL VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE.
  - DURING THE BID PROCESS THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/OWNER OF ANY DELIVERY/SCHEDULING ISSUES.
  - NO SUBSTITUTIONS WILL BE ALLOWED DUE TO THE LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER BID.
  - ALL EXPEDITED EXPENSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - FIXTURES SHALL MEET "BUY AMERICA ACT" TO QUALIFY FOR THIS PROJECT.
  - POLES PROVIDED FOR LED FIXTURES SHALL BE METAL, REGARDLESS OF SPECIFICATION, FOR GROUNDING PURPOSES.
  - REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING CONTROL.



- NOTES:
- EPA RATING SHALL BE COORDINATED WITH POLE AND FIXTURE ASSEMBLY.
  - GENERAL CONTRACTOR TO PROVIDE POLE BASIS OF DESIGN SEALED BY PROFESSIONAL STRUCTURAL ENGINEER.
  - CONNECT TO REBAR WITH APPROVED LISTED GROUNDING CLAMPS USED FOR THIS PURPOSE.

**2 LIGHT POLE CONCRETE FOUNDATION DETAIL**  
SCALE: N.T.S.



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PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. GE 41350

*Chad Gaulrapp* 04/21/23

**TAKE 5 EXPRESS CAR WASH**  
2520 BRUNSWICK PIKE  
LAWRENCE TOWNSHIP, NJ 08648

**LIGHTING PLAN**

**BOING US HOLDCO, INC.**  
440 SOUTH CHURCH STREET, SUITE 700  
CHARLOTTE, NC 28202

NO.	DATE	REVISIONS	BY

PROJECT: **DRVBR22047**

DATE: 2023-04-21

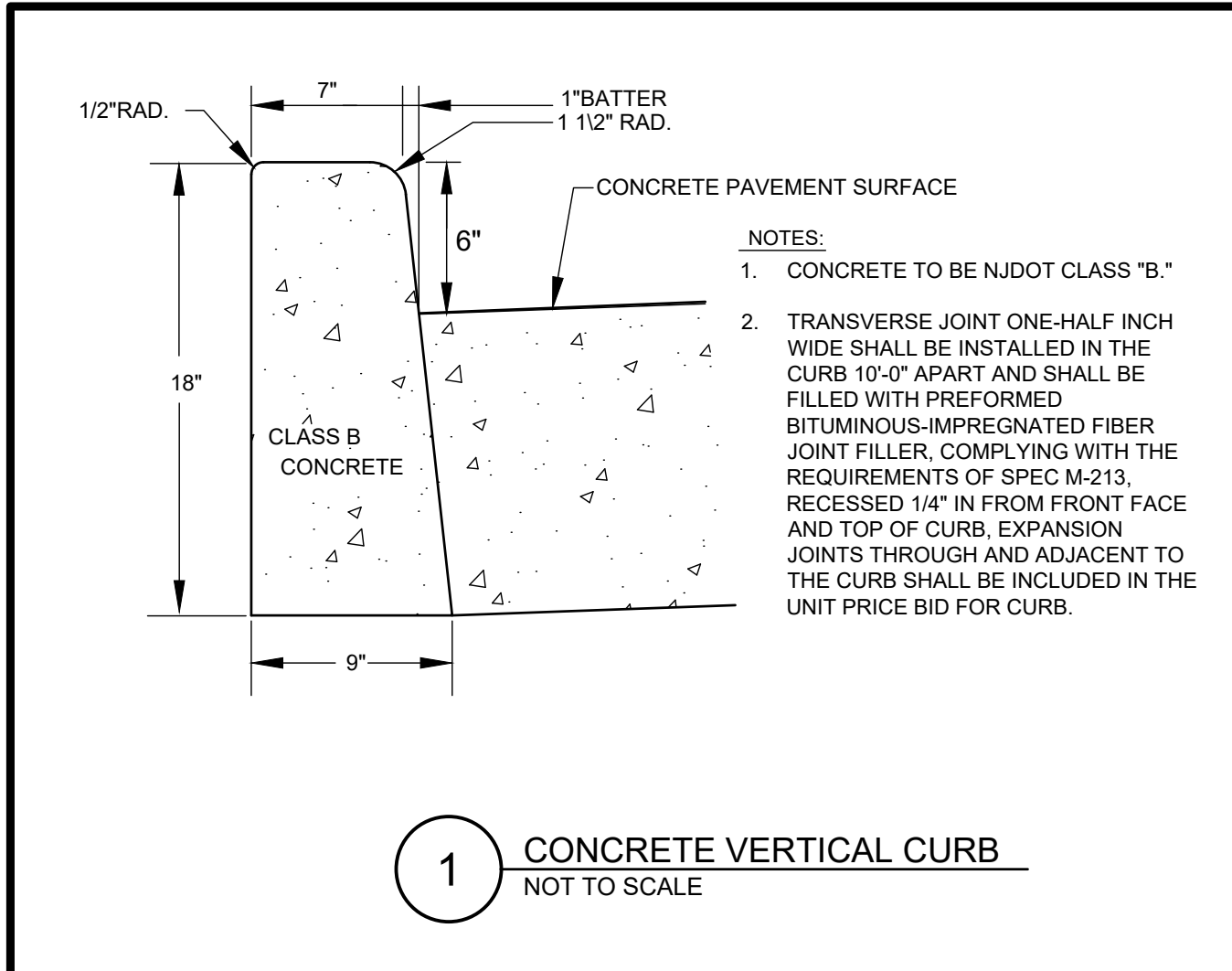
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DRAWN BY: NSL

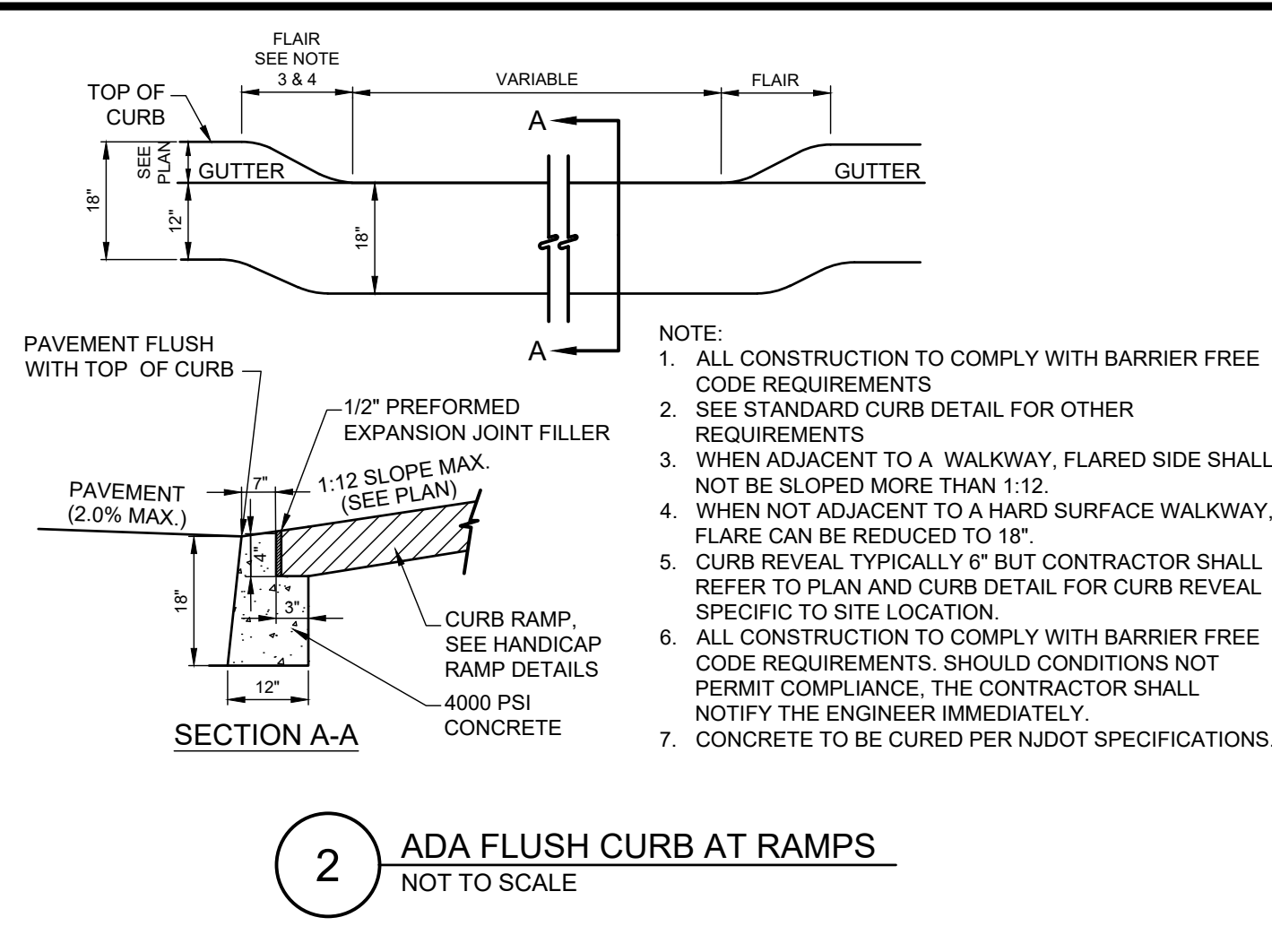
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**CS2201**

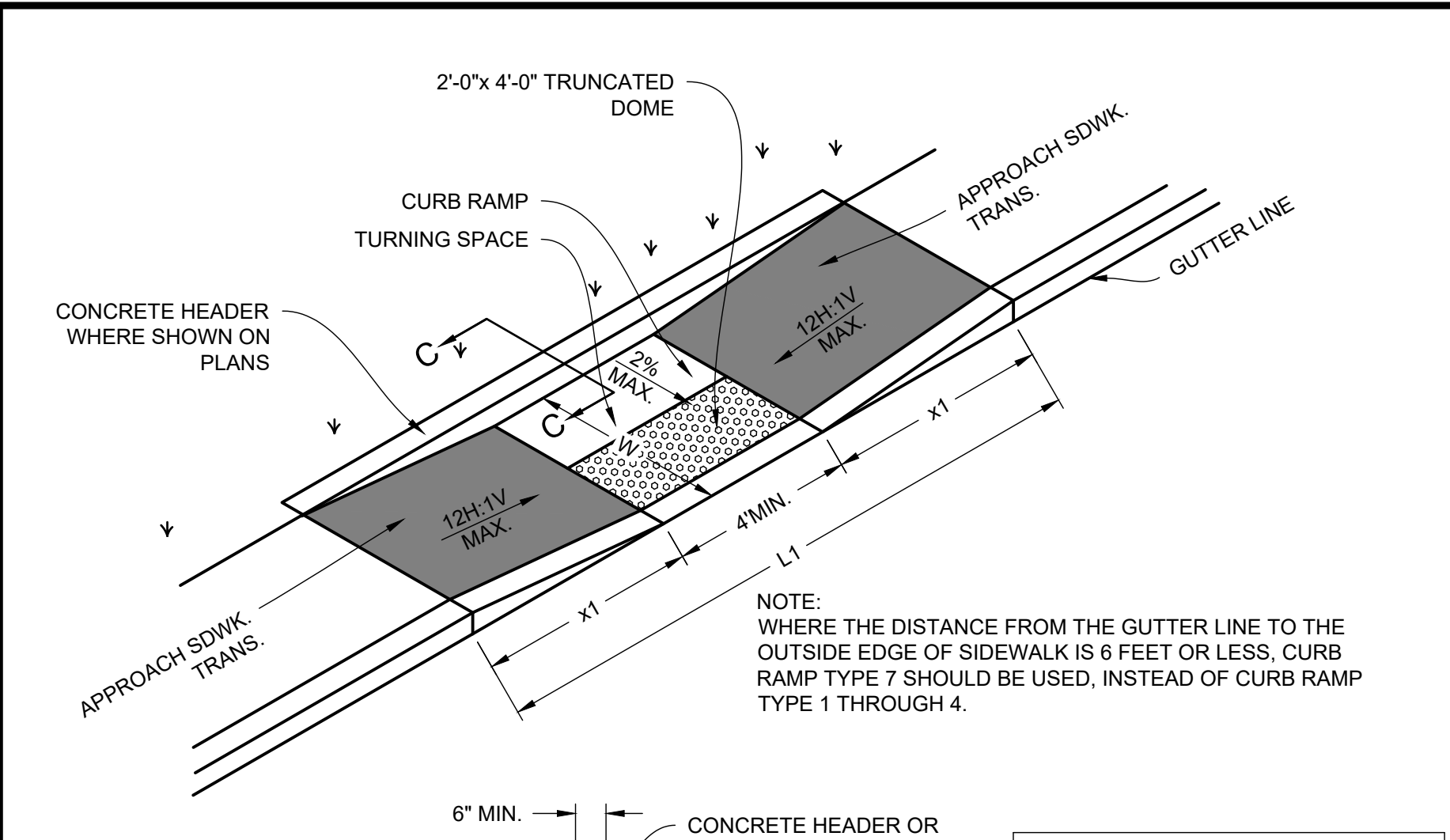
SHEET 12 OF 19



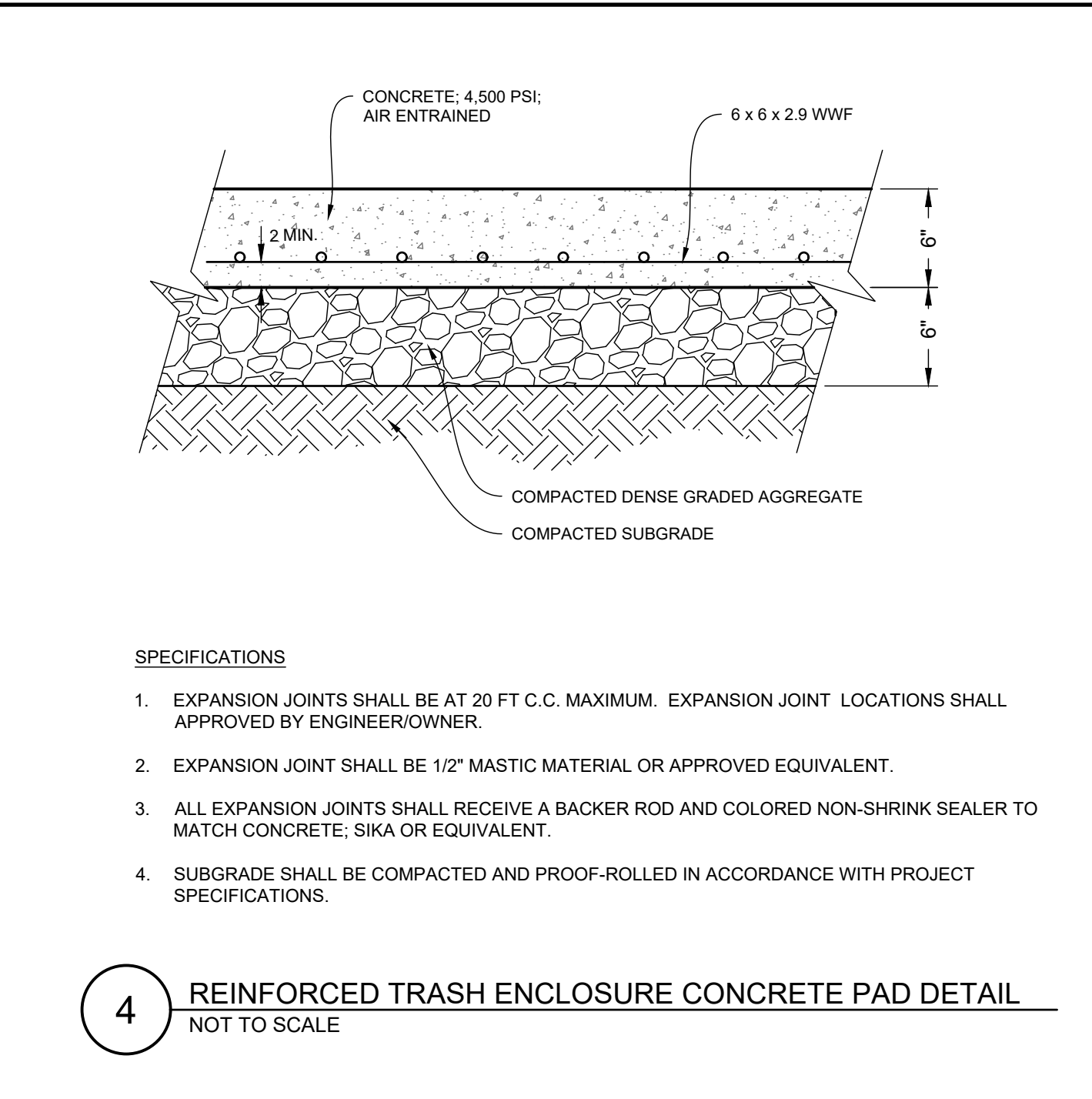
**1 CONCRETE VERTICAL CURB**  
NOT TO SCALE



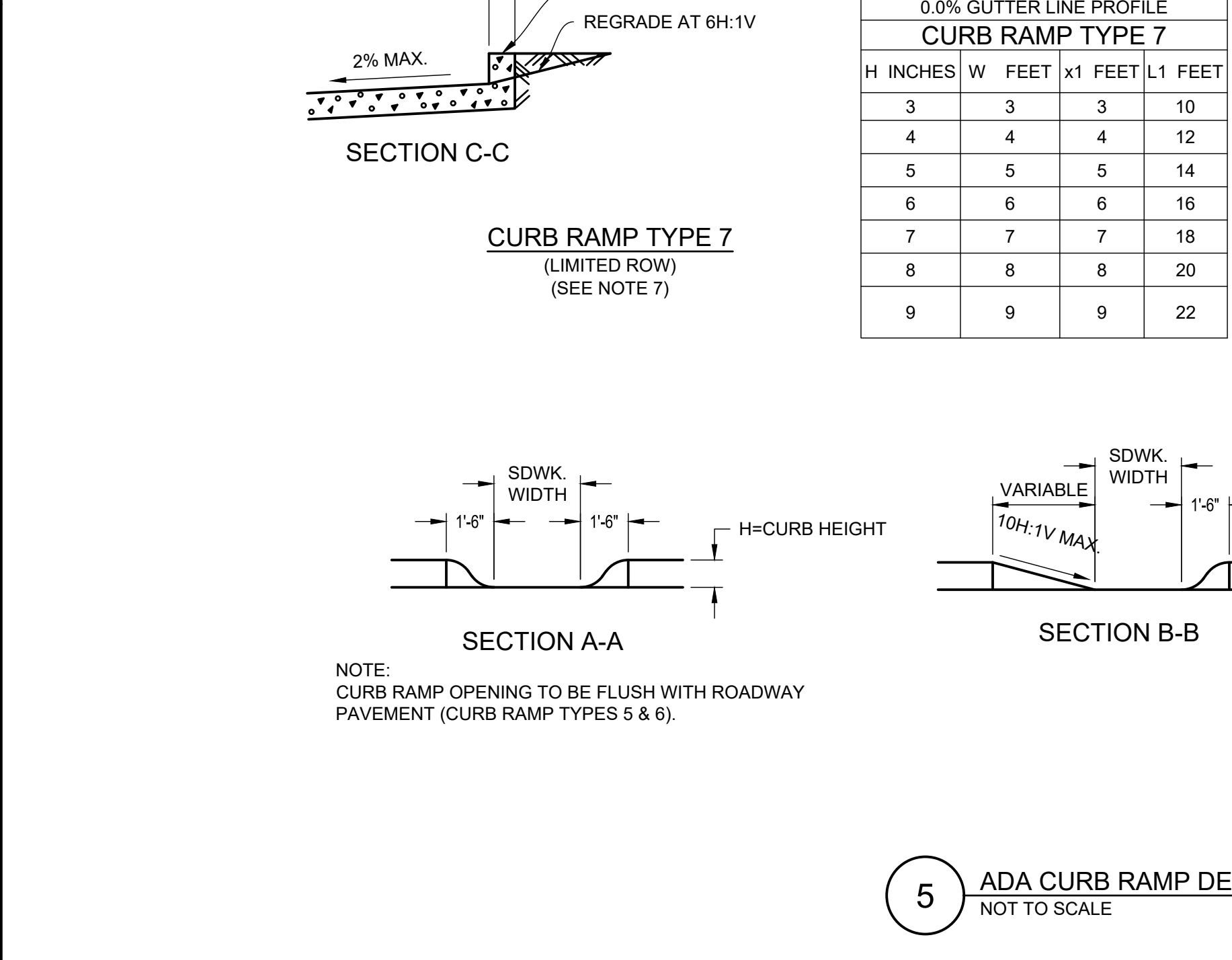
**2 ADA FLUSH CURB AT RAMPS**  
NOT TO SCALE



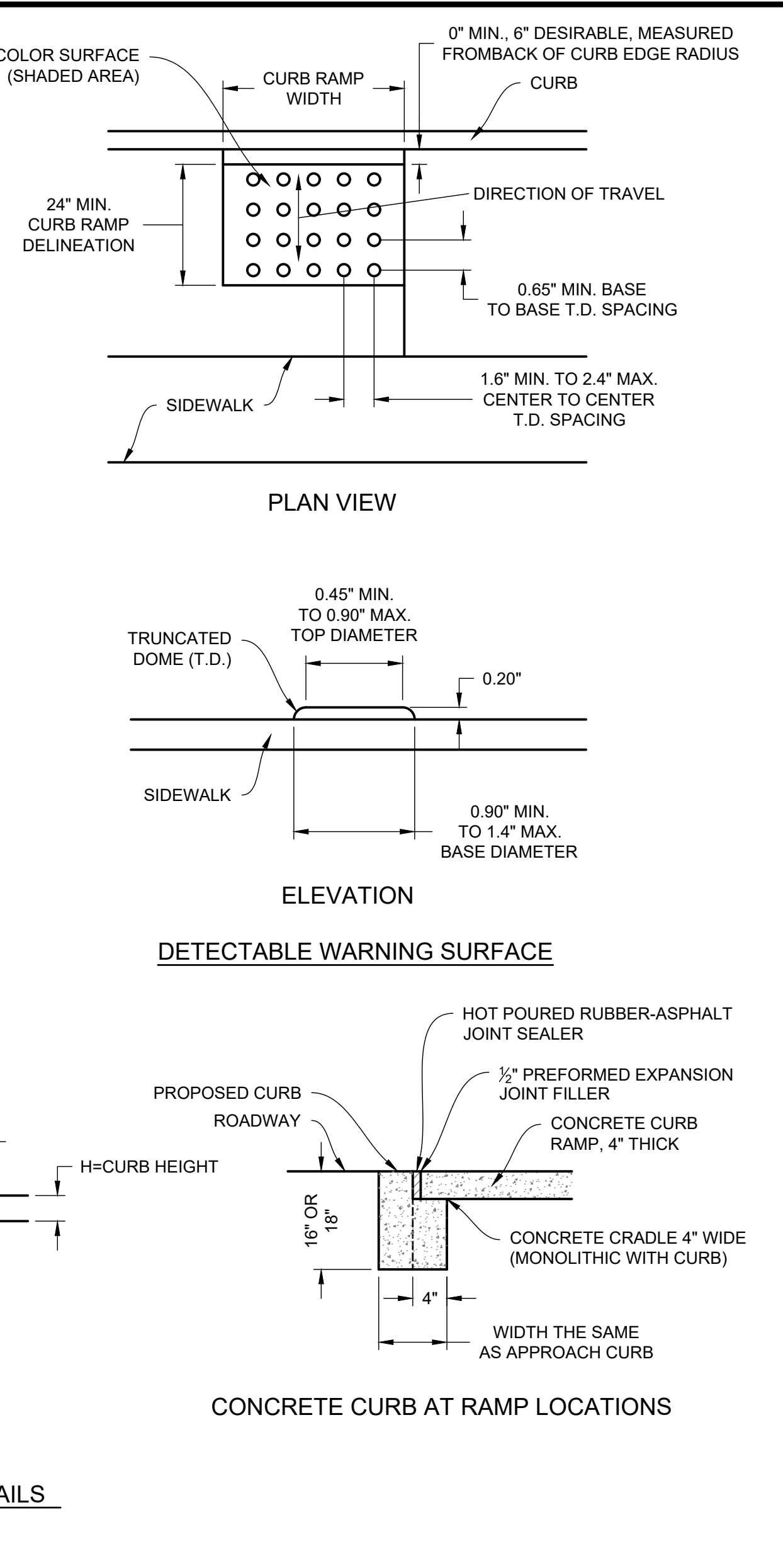
**3 CONCRETE SIDEWALK DETAIL**  
NOT TO SCALE



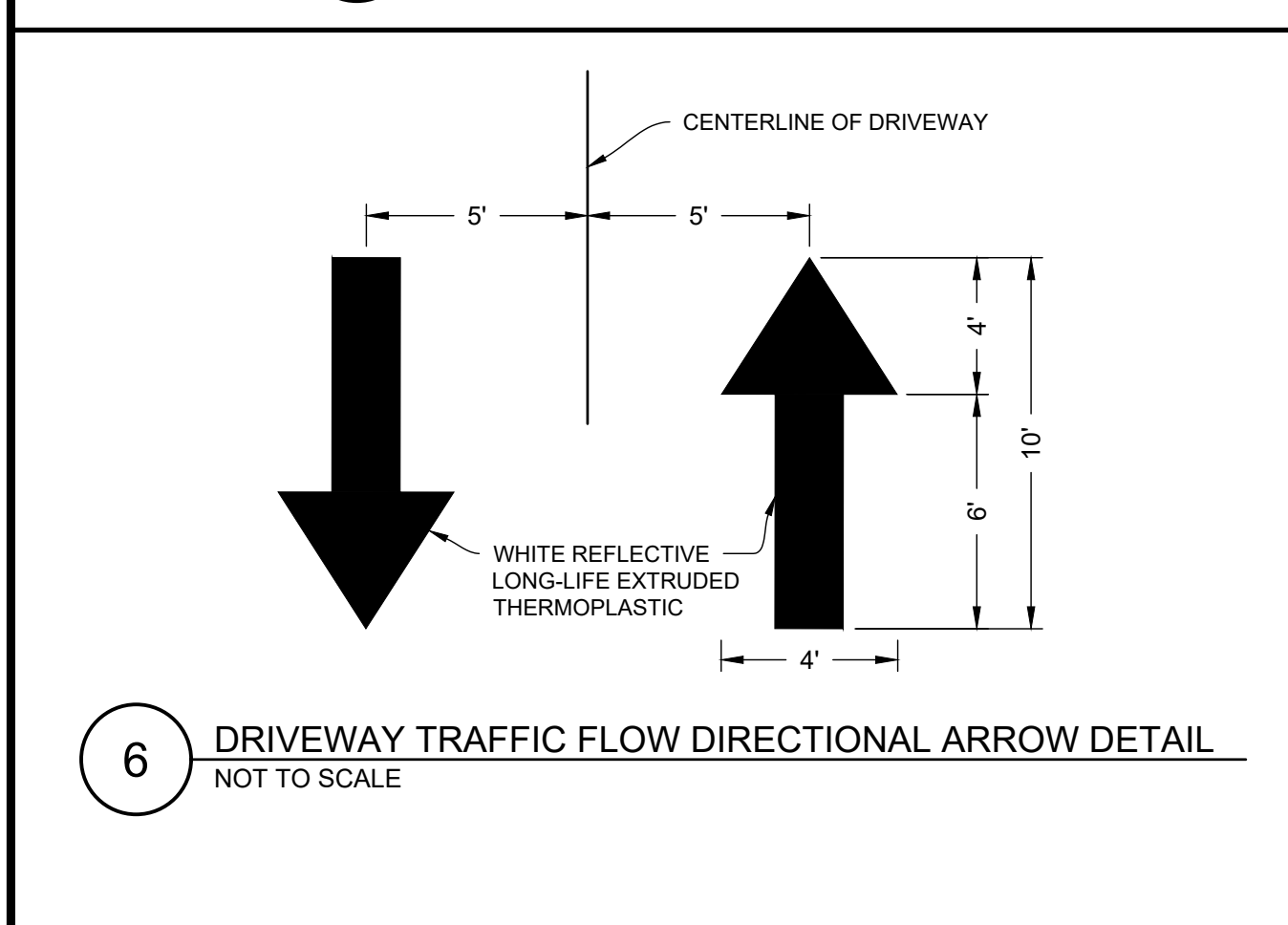
**4 REINFORCED TRASH ENCLOSURE CONCRETE PAD DETAIL**  
NOT TO SCALE



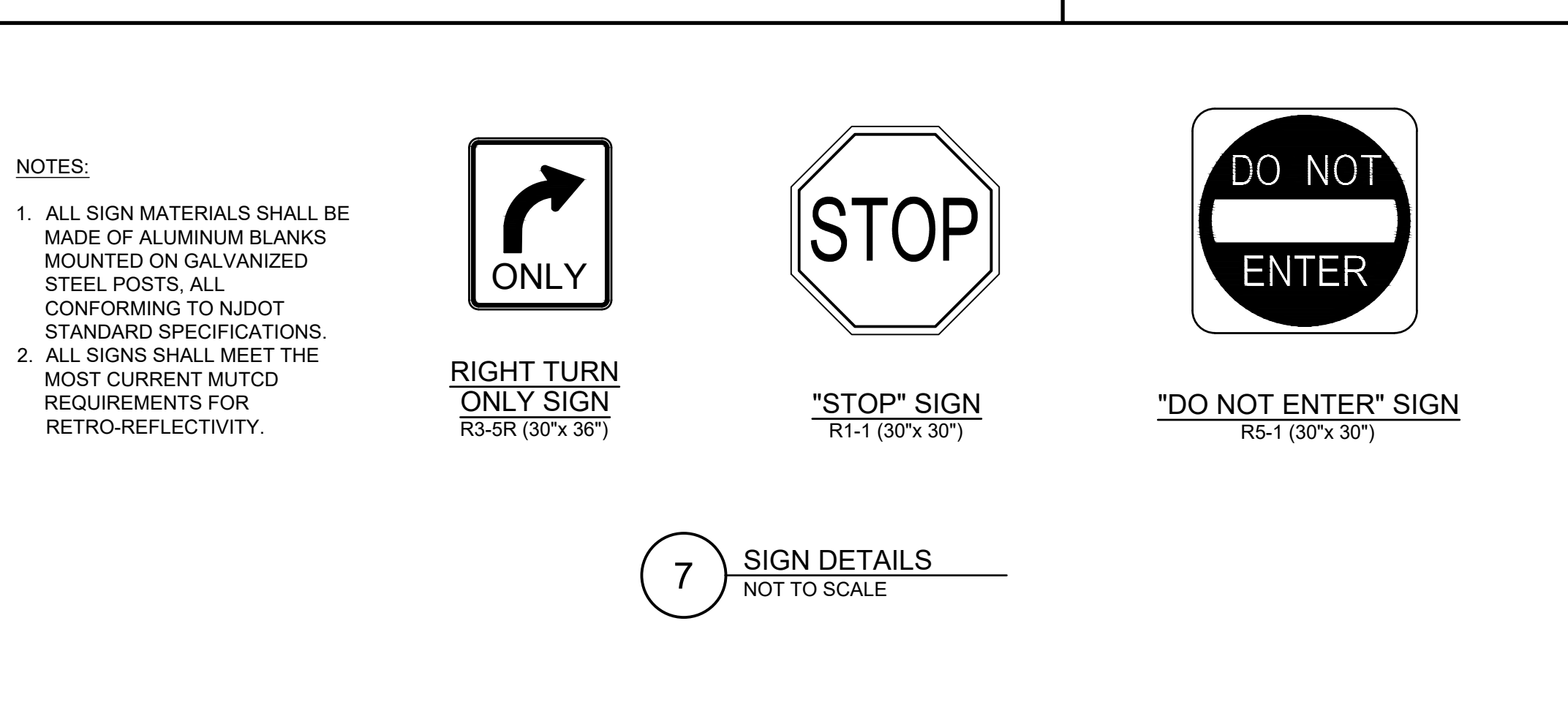
**5 ADA CURB RAMP DETAILS**  
NOT TO SCALE



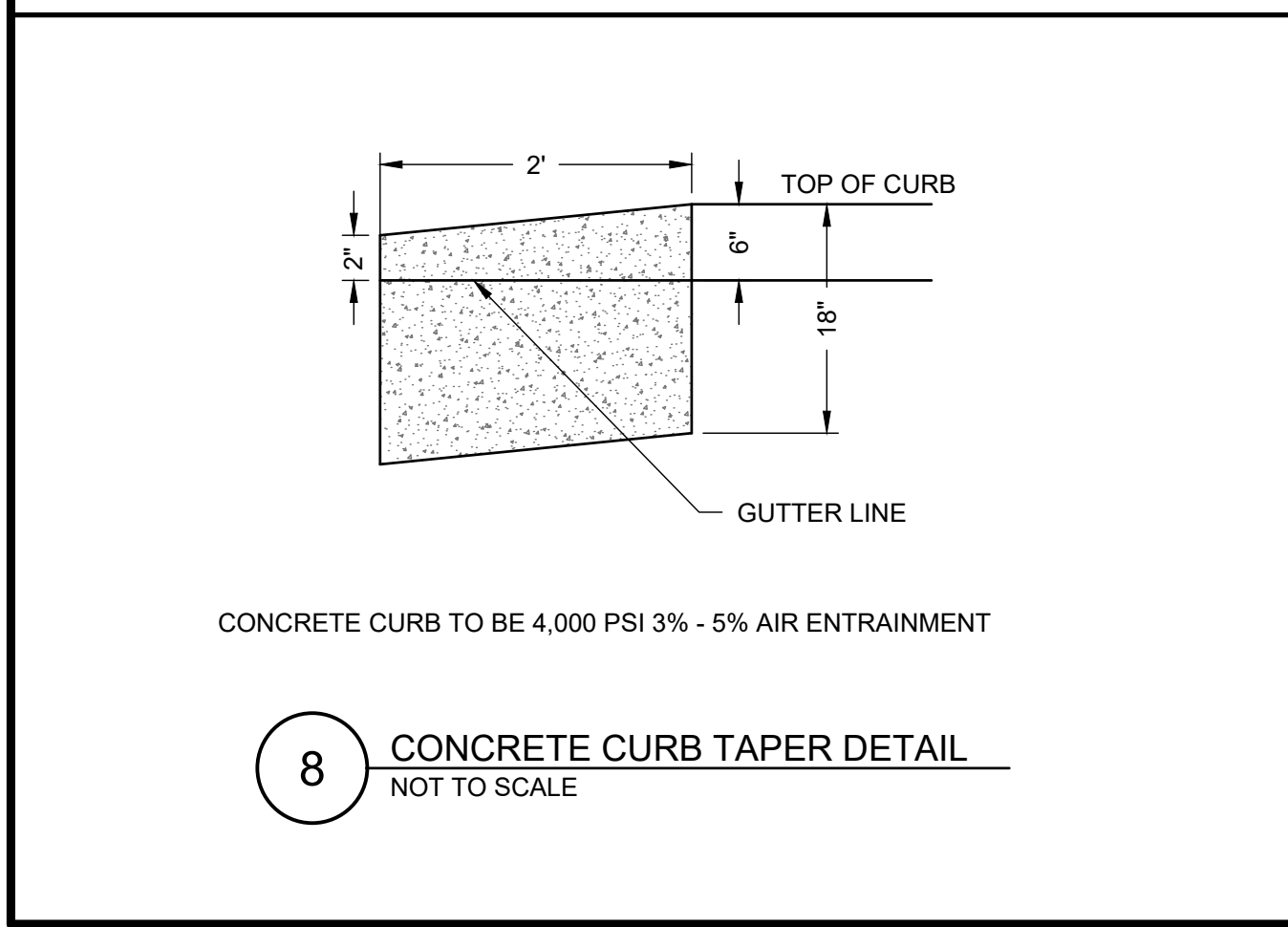
**CONCRETE CURB AT RAMP LOCATIONS**



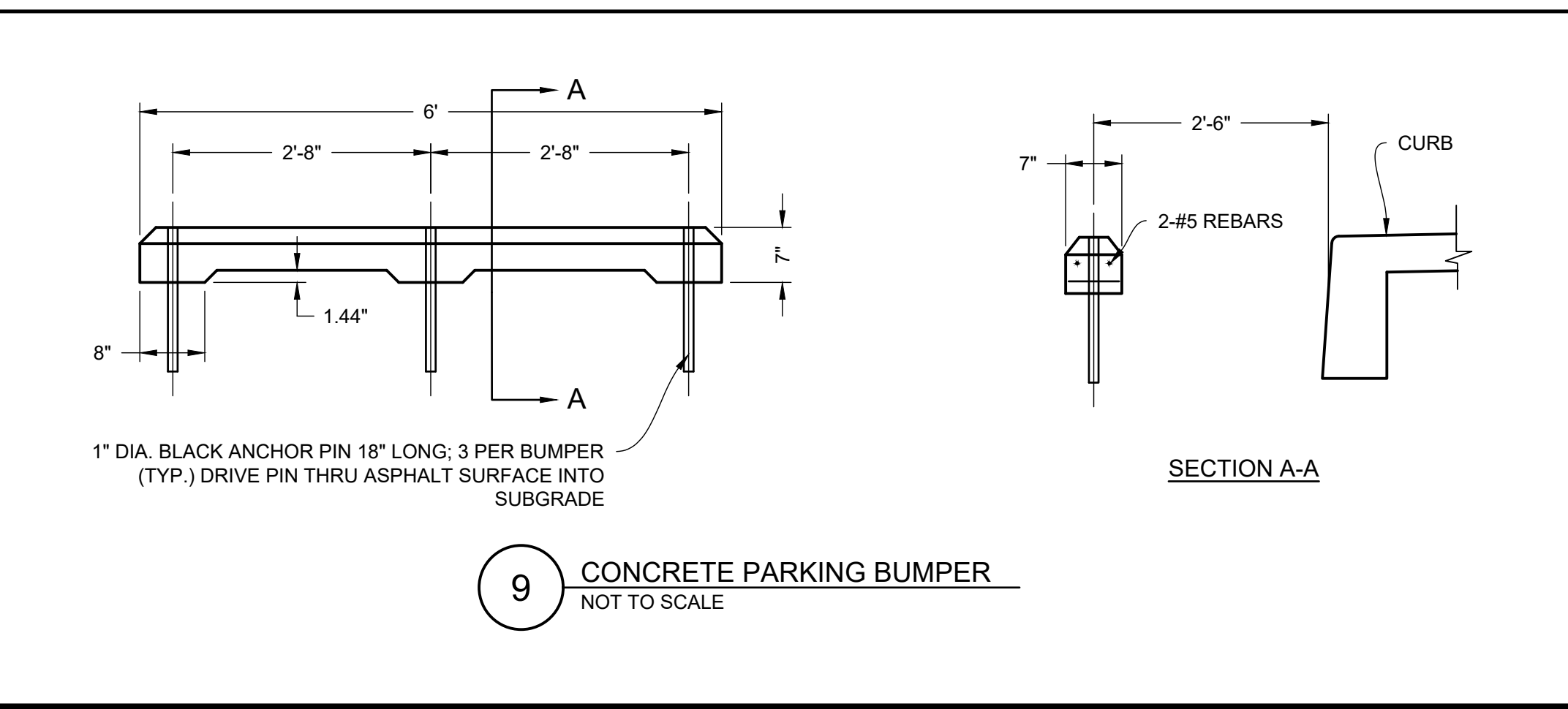
**6 DRIVEWAY TRAFFIC FLOW DIRECTIONAL ARROW DETAIL**  
NOT TO SCALE



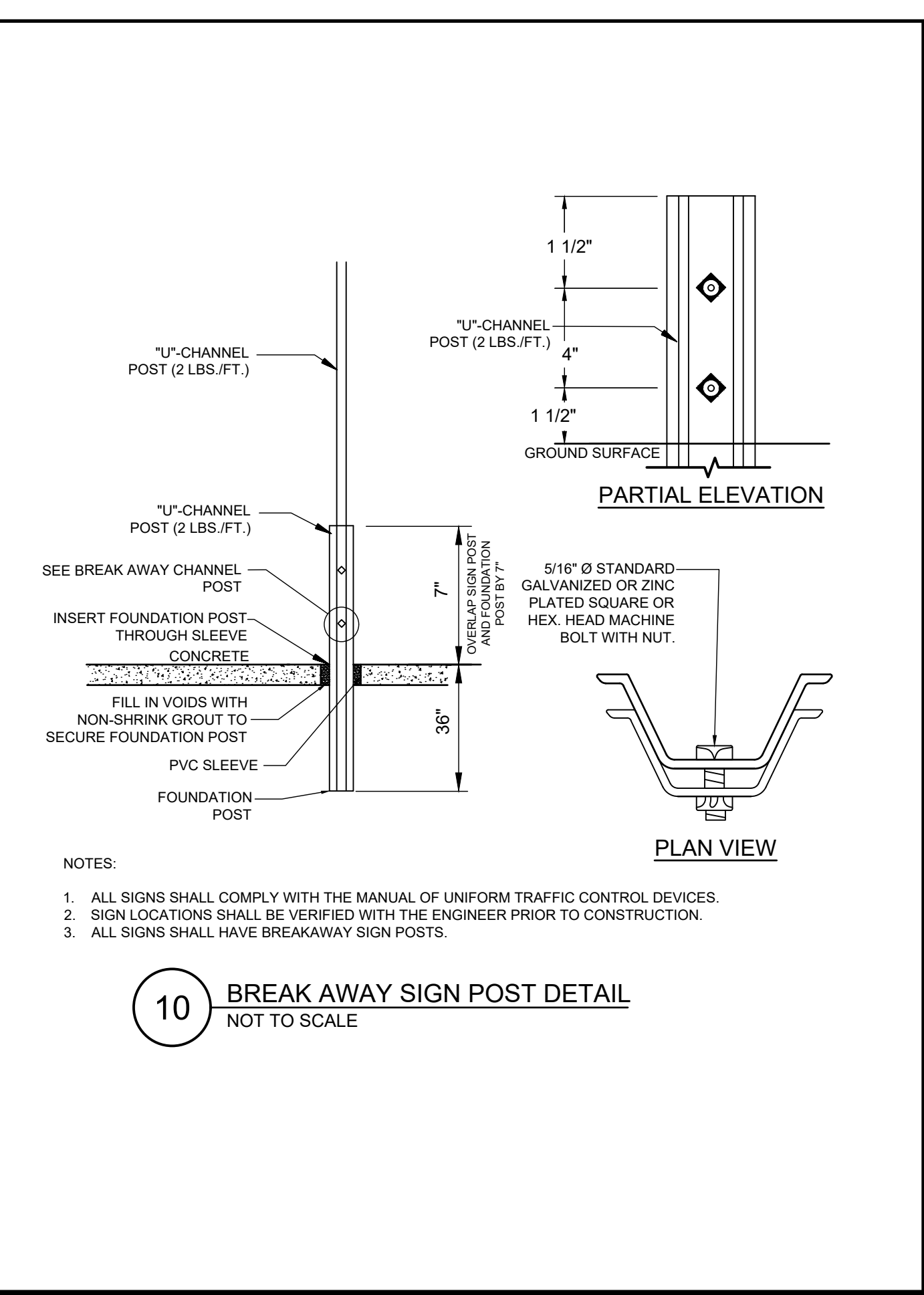
**7 SIGN DETAILS**  
NOT TO SCALE



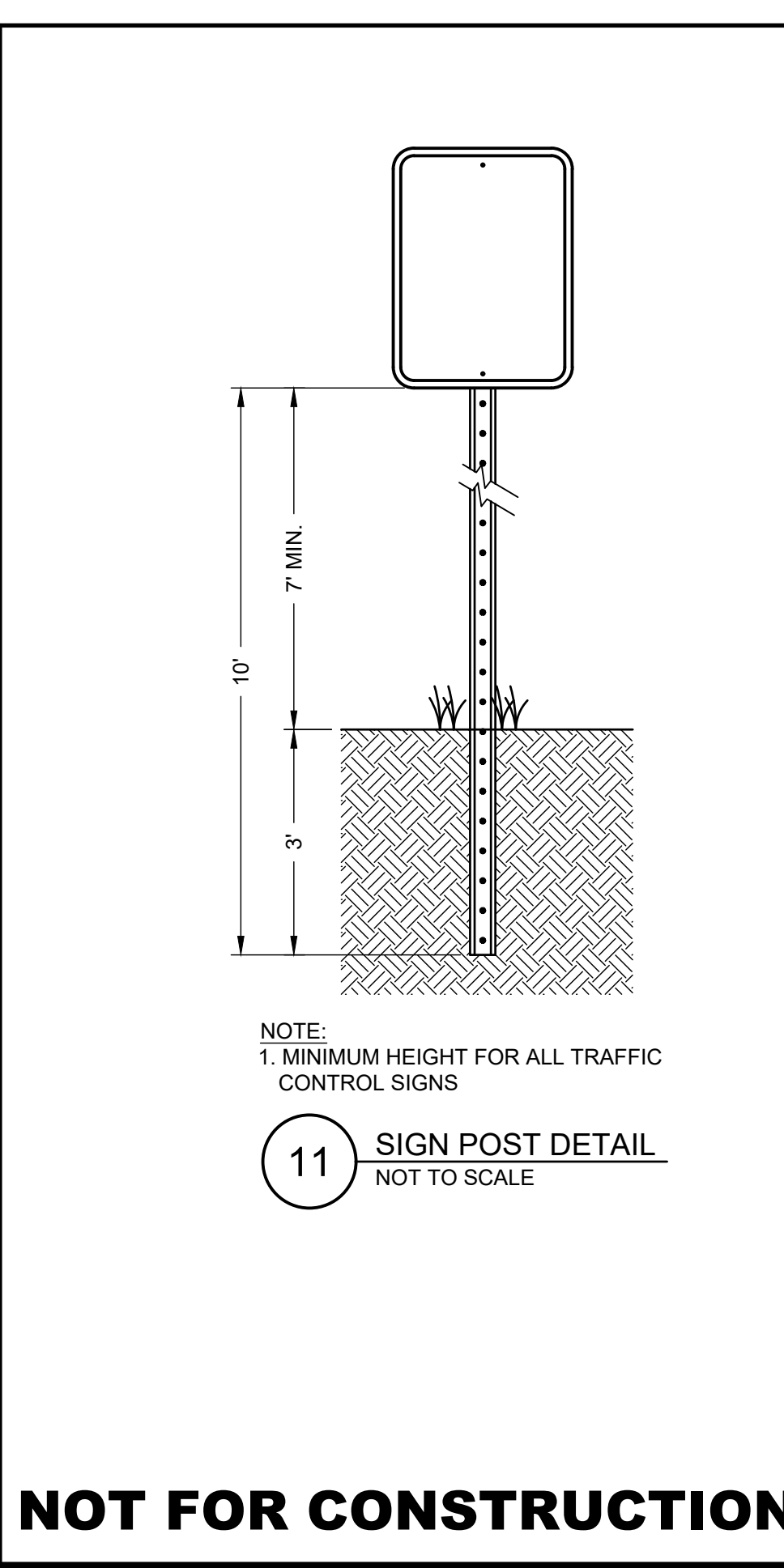
**8 CONCRETE CURB TAPER DETAIL**  
NOT TO SCALE



**9 CONCRETE PARKING BUMPER**  
NOT TO SCALE



**10 BREAK AWAY SIGN POST DETAIL**  
NOT TO SCALE



**11 SIGN POST DETAIL**  
NOT TO SCALE

**PENNONI ASSOCIATES INC.**  
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NJ COA. NO. G428033300

**CHAD GAULRAPP**  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. GE 41350

*Chad Gaulrapp* 04/21/23

---

**TAKE 5 EXPRESS CAR WASH**  
2520 BRUNSWICK PIKE  
LAWRENCE TOWNSHIP, NJ 08648

**CONSTRUCTION DETAILS**

**BOING US HOLDCO, INC.**  
440 SOUTH CHURCH STREET, SUITE 700  
CHARLOTTE, NC 28202

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NO.	DATE	REVISIONS	BY

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PROJECT: **DRVBR22047**

DATE: 2023-04-21

DRAWING SCALE: AS NOTED

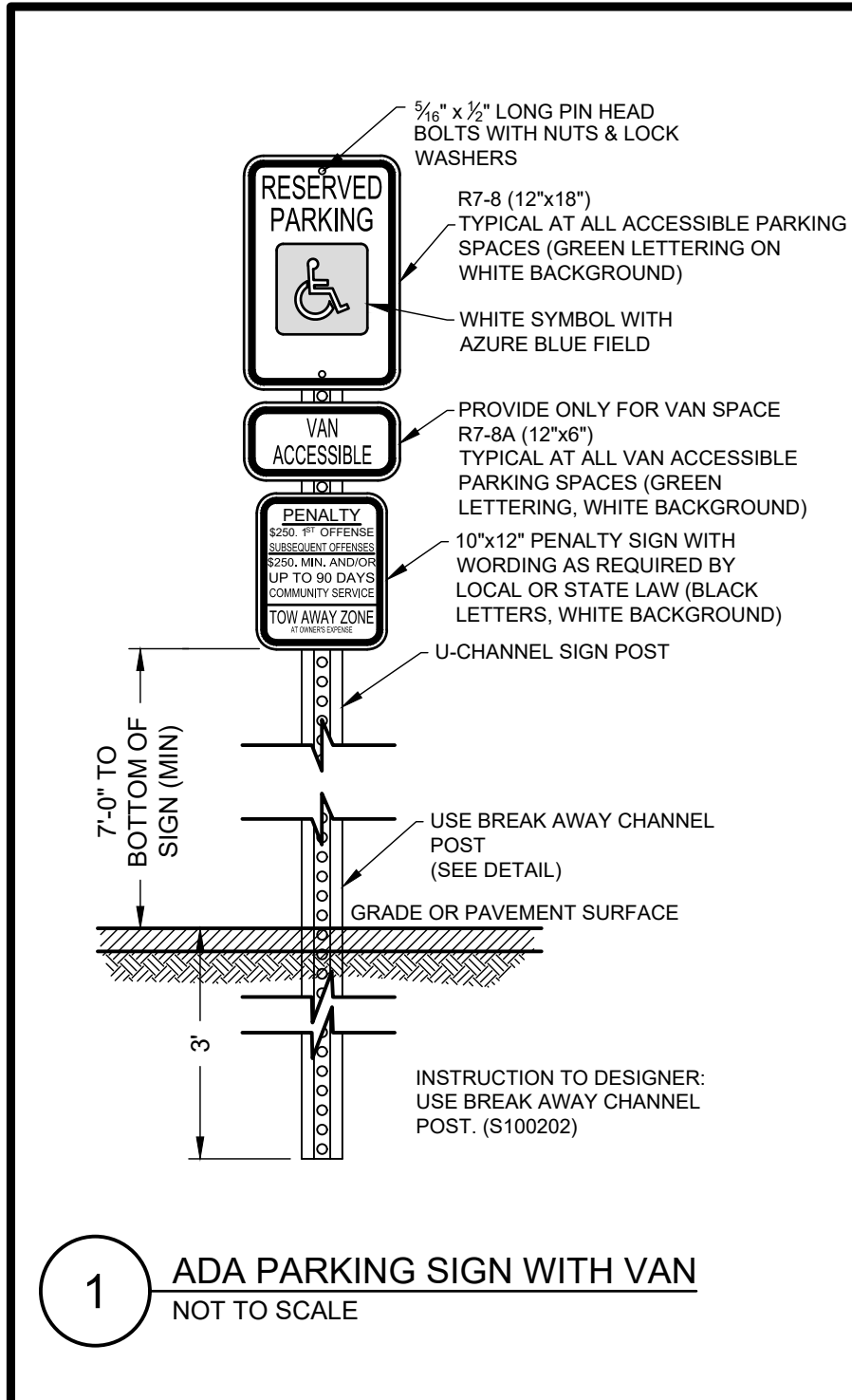
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APPROVED BY: CG

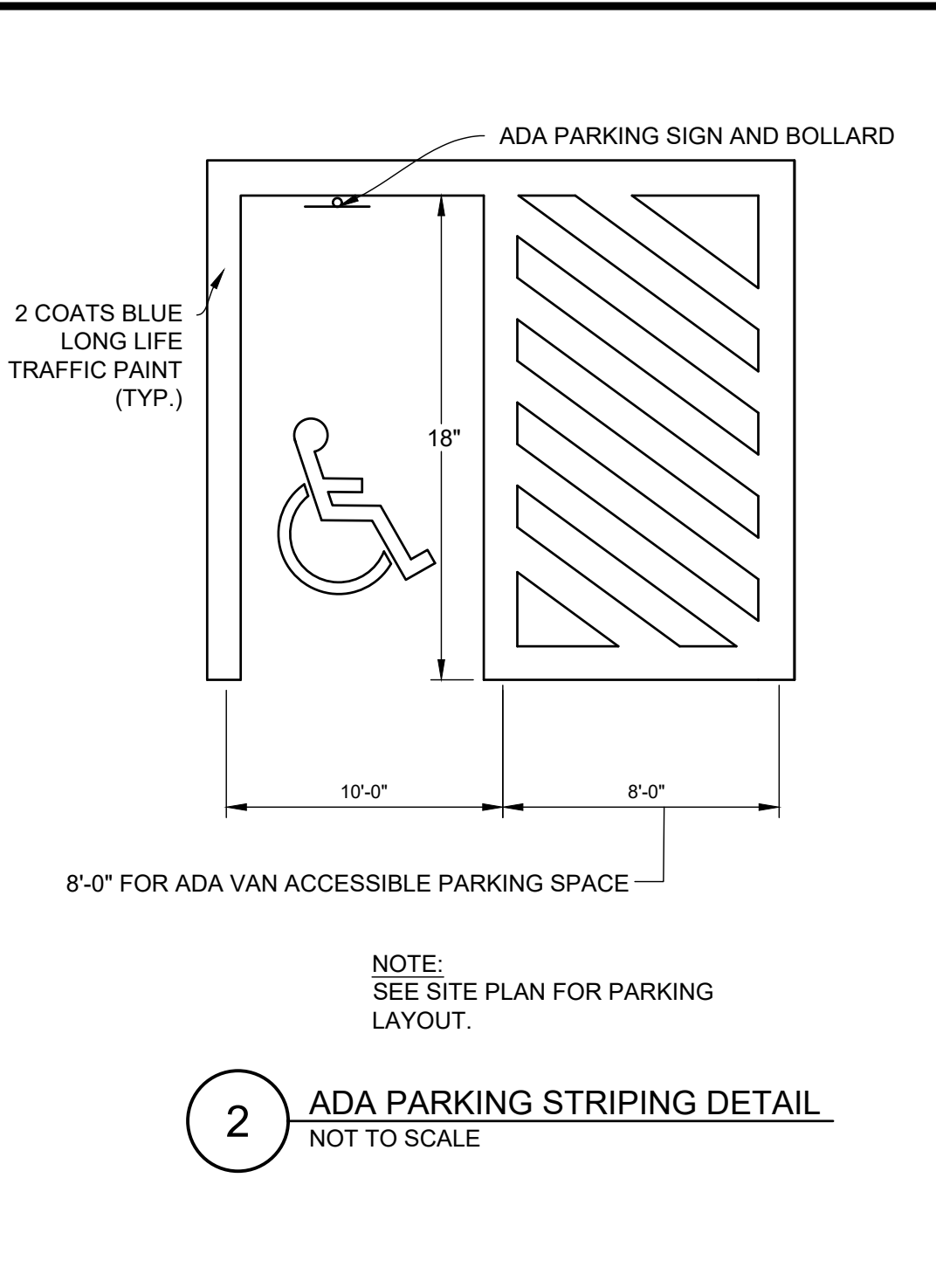
**CS6001**

SHEET 13 OF 19

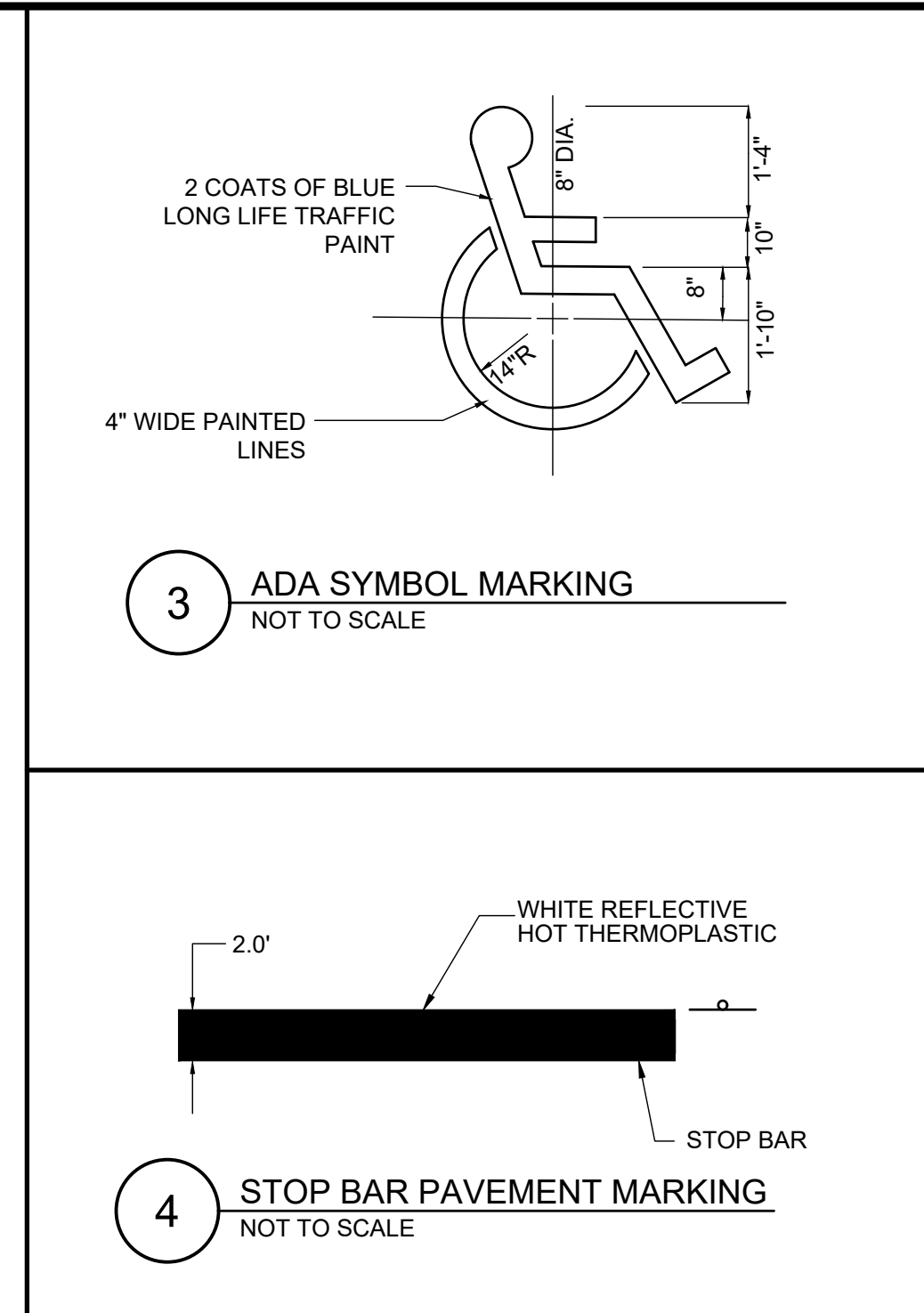
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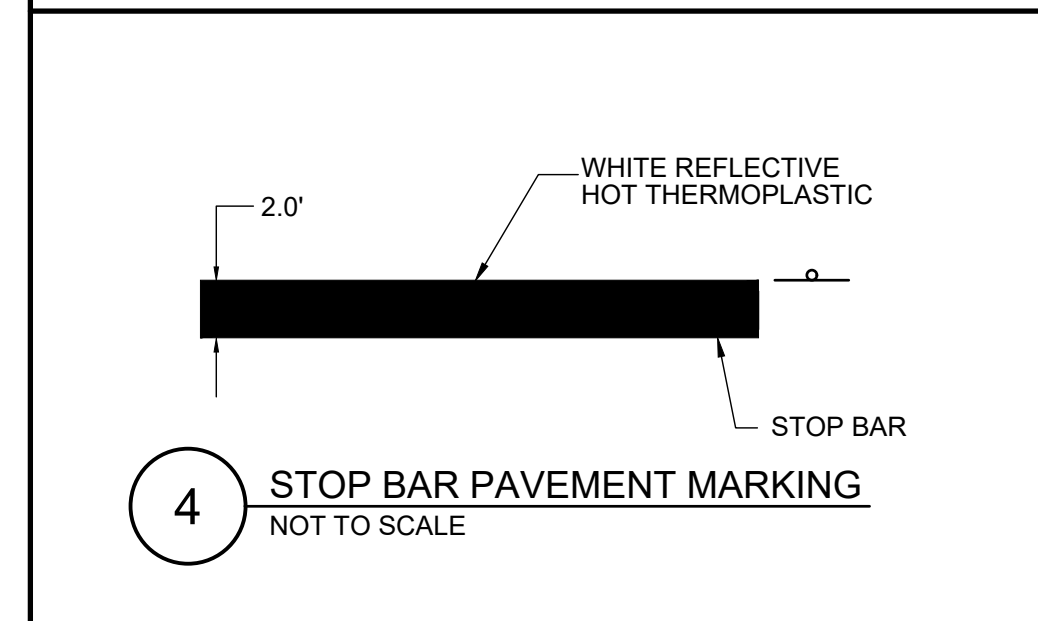
**1 ADA PARKING SIGN WITH VAN**  
NOT TO SCALE



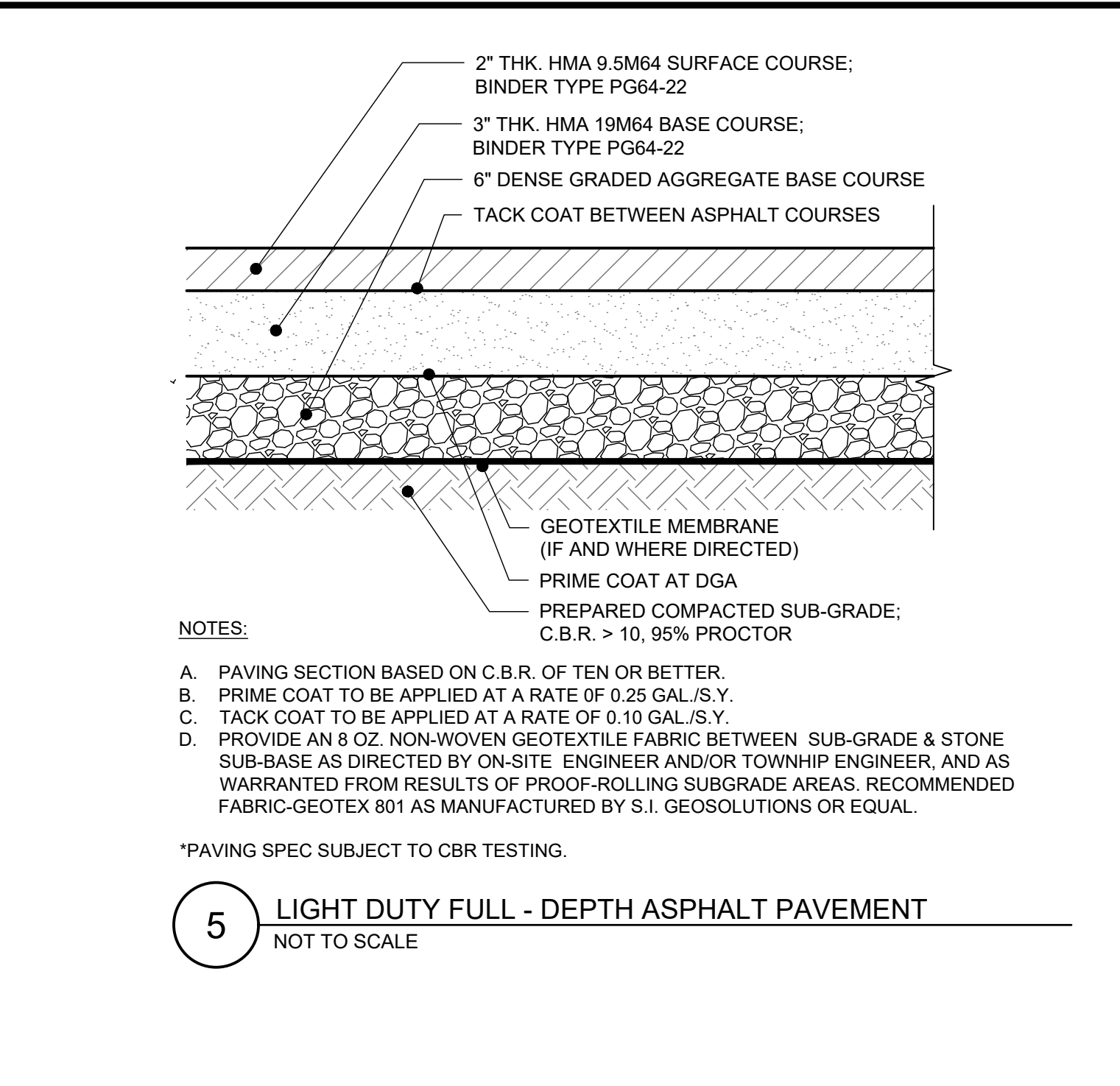
**2 ADA PARKING STRIPING DETAIL**  
NOT TO SCALE



**3 ADA SYMBOL MARKING**  
NOT TO SCALE



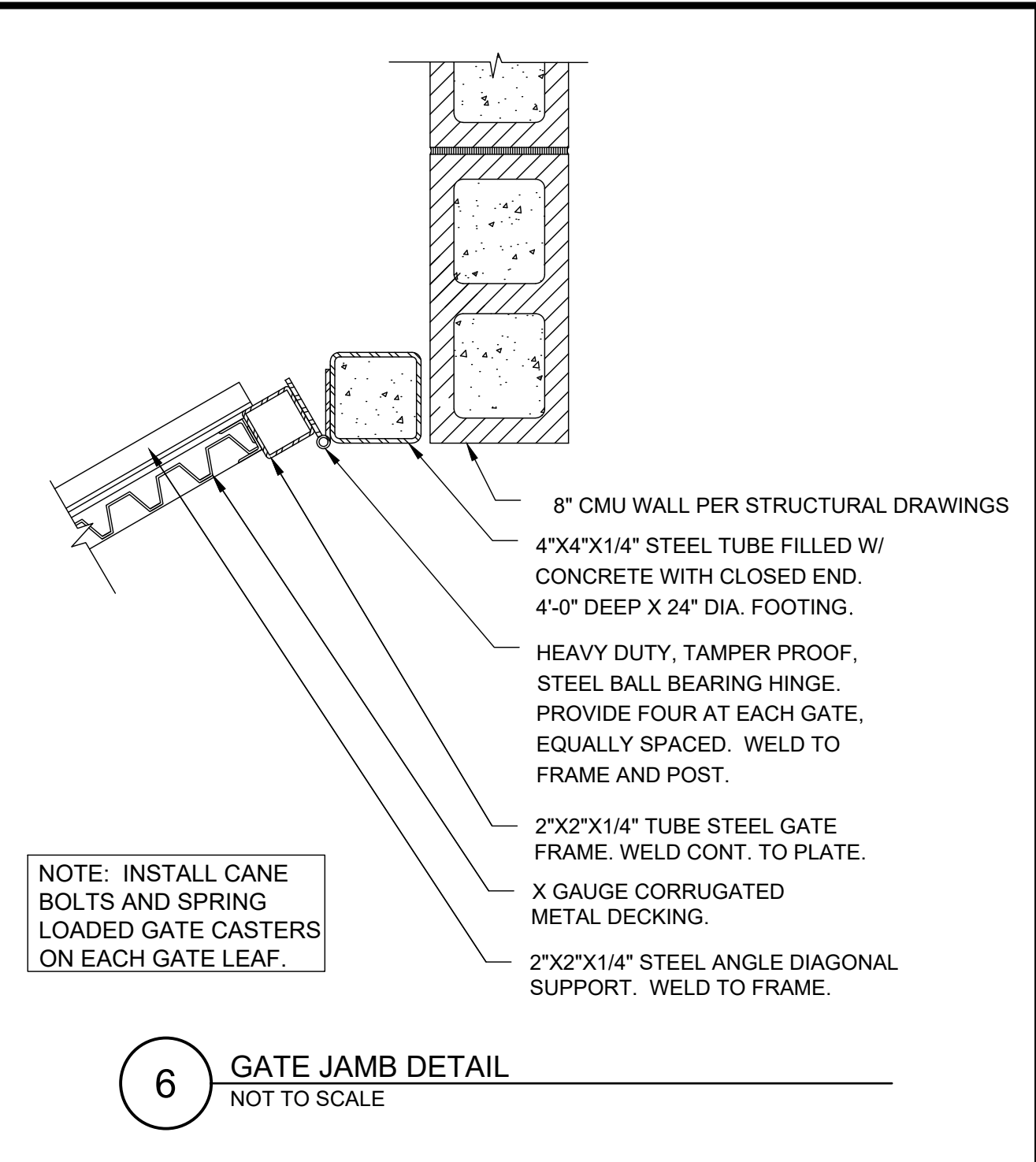
**4 STOP BAR PAVEMENT MARKING**  
NOT TO SCALE



- NOTES:**
- A. PAVING SECTION BASED ON C.B.R. OF TEN OR BETTER.
  - B. PRIME COAT TO BE APPLIED AT A RATE OF 0.25 GAL/S.Y.
  - C. TACK COAT TO BE APPLIED AT A RATE OF 0.10 GAL/S.Y.
  - D. PROVIDE AN 8 OZ. NON-WOVEN GEOTEXTILE FABRIC BETWEEN SUB-GRADE & STONE SUB-BASE AS DIRECTED BY ON-SITE ENGINEER AND/OR TOWNSHIP ENGINEER, AND AS WARRANTED FROM RESULTS OF PROOF-ROLLING SUBGRADE AREAS. RECOMMENDED FABRIC-GEOTEX 801 AS MANUFACTURED BY S.I. GEOSOLUTIONS OR EQUAL.

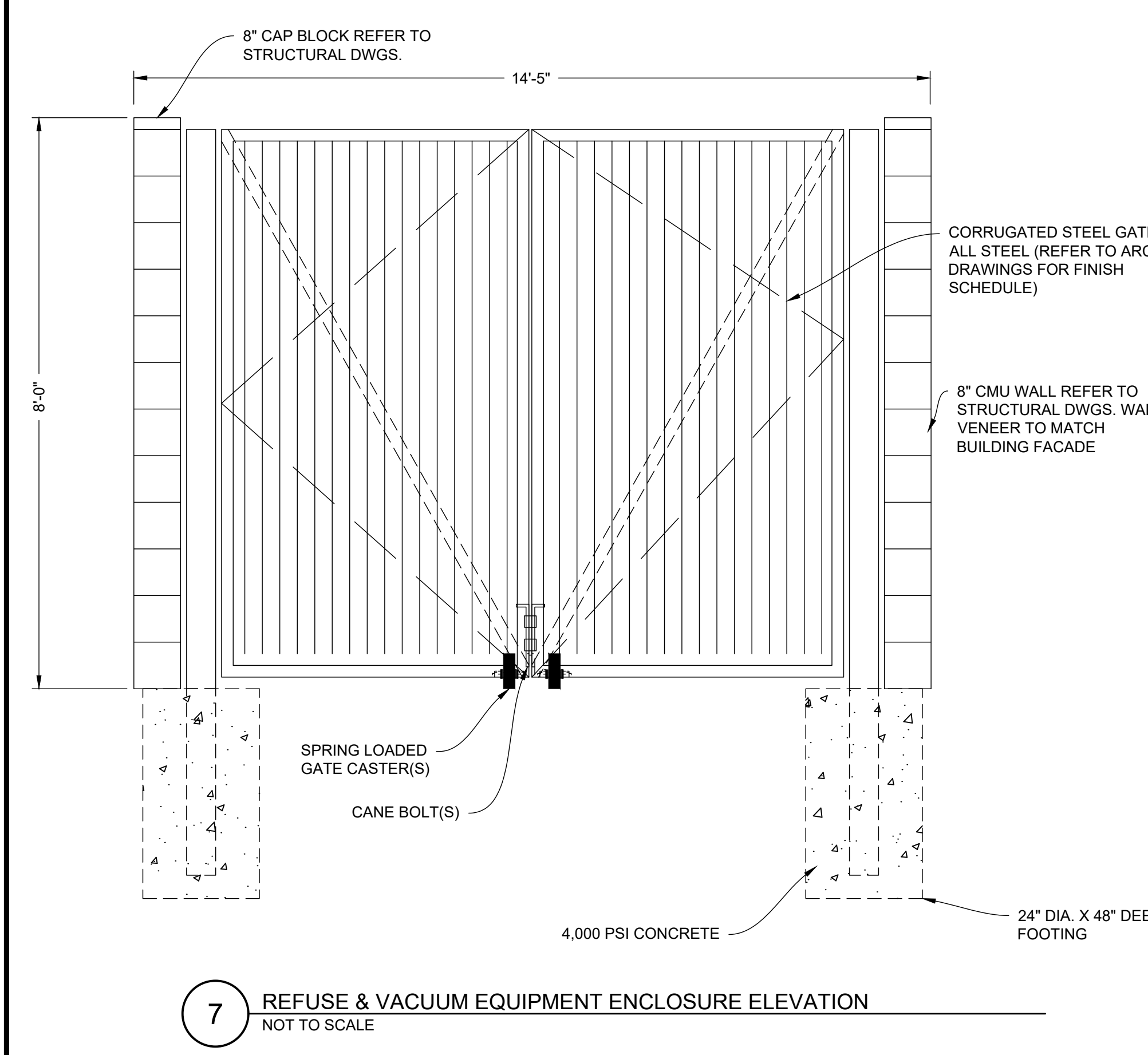
\*PAVING SPEC SUBJECT TO CBR TESTING.

**5 LIGHT DUTY FULL - DEPTH ASPHALT PAVEMENT**  
NOT TO SCALE

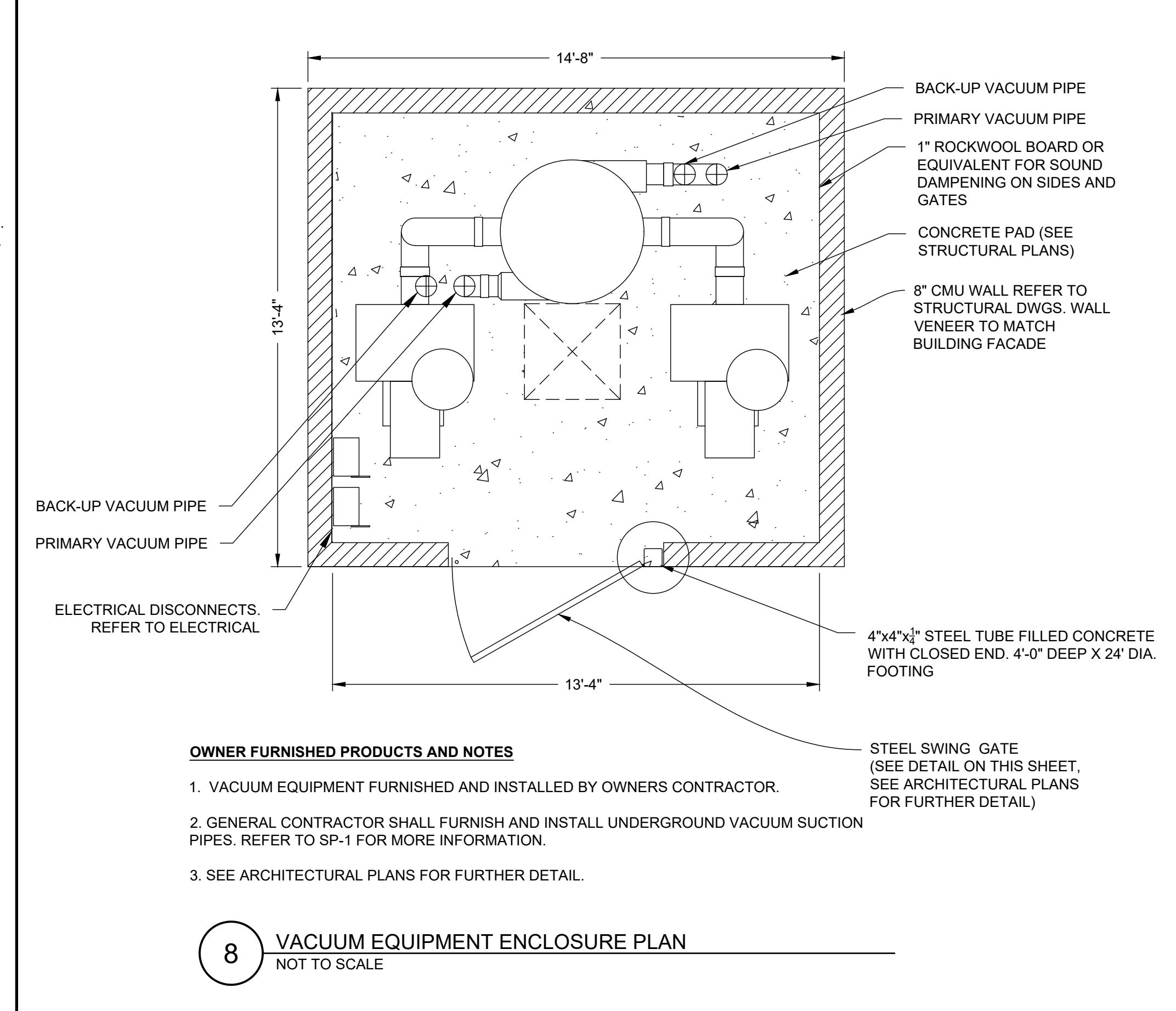


NOTE: INSTALL CANE BOLTS AND SPRING LOADED GATE CASTERS ON EACH GATE LEAF.

**6 GATE JAMB DETAIL**  
NOT TO SCALE

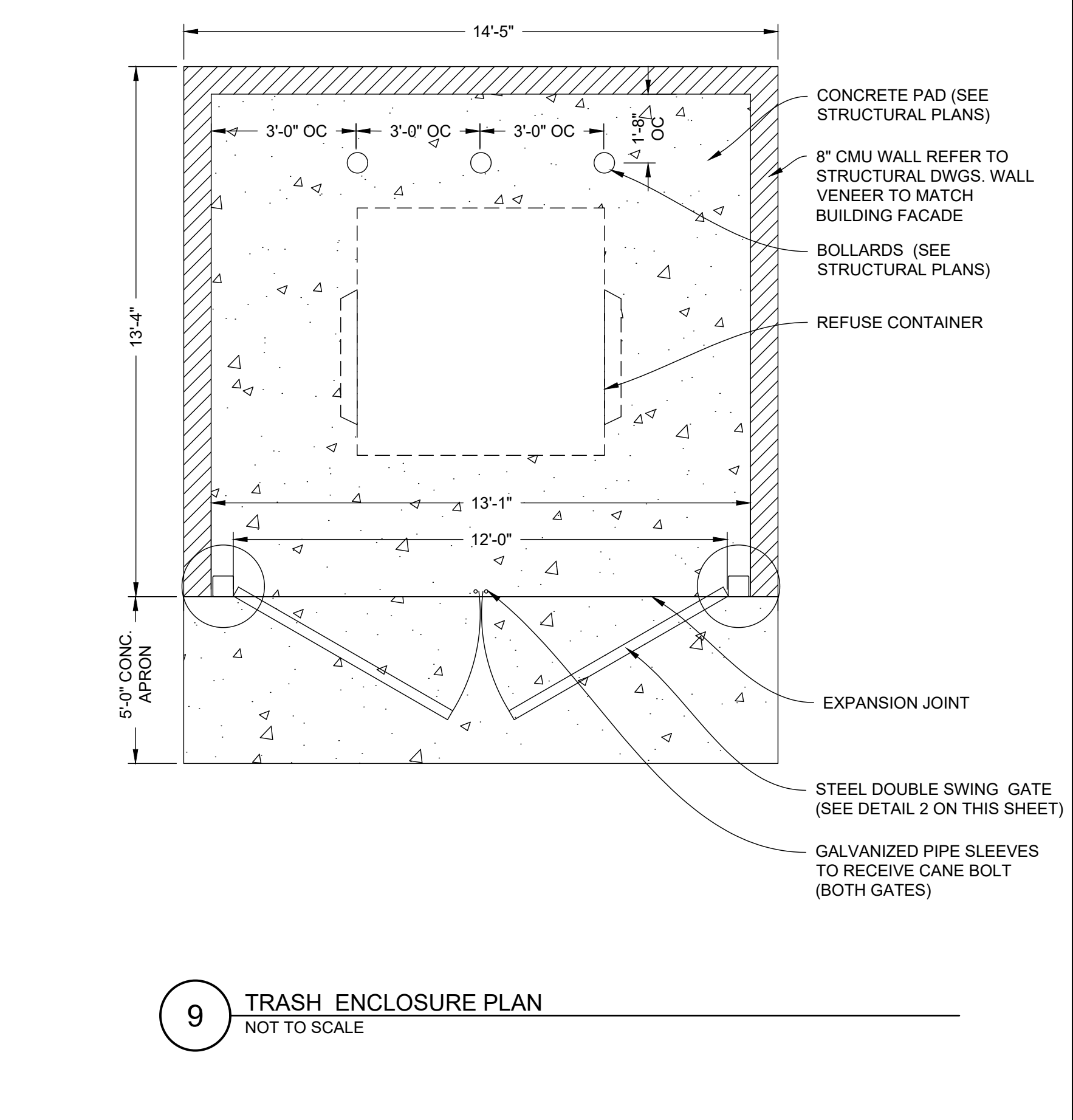


**7 REFUSE & VACUUM EQUIPMENT ENCLOSURE ELEVATION**  
NOT TO SCALE

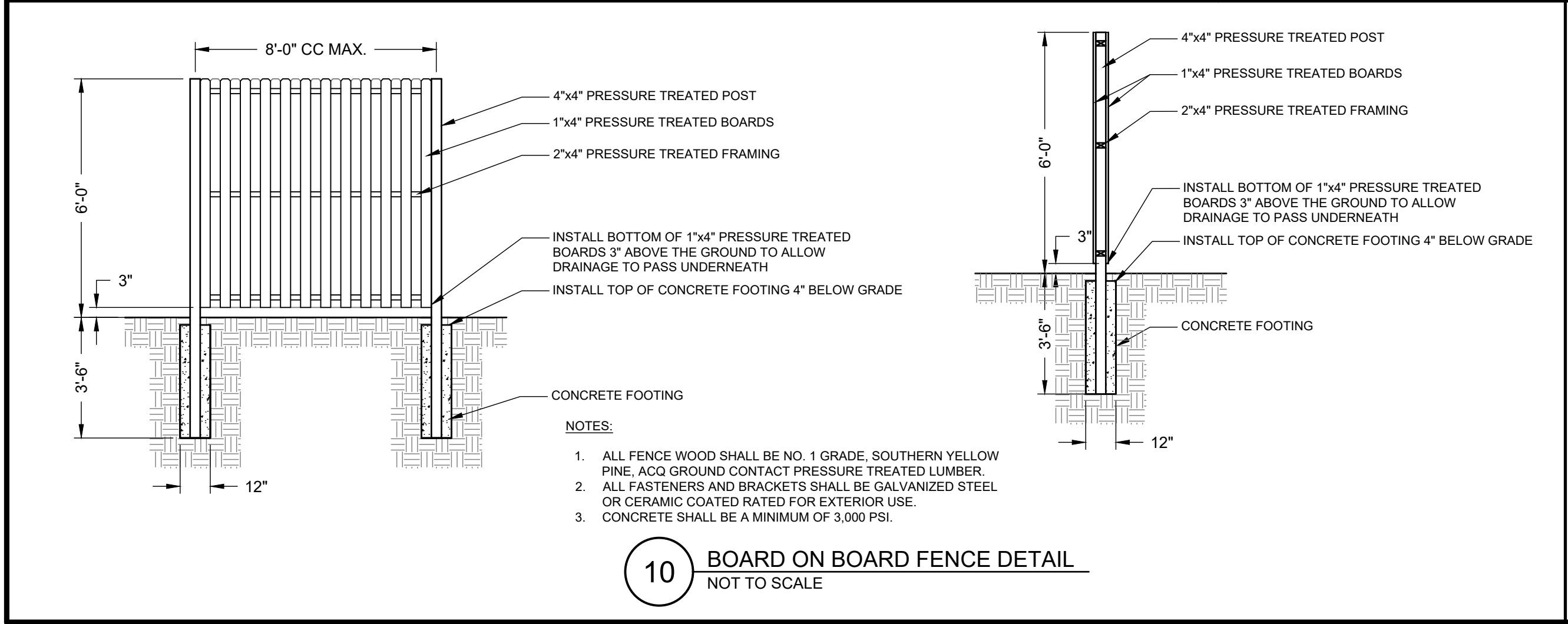


- OWNER FURNISHED PRODUCTS AND NOTES**
1. VACUUM EQUIPMENT FURNISHED AND INSTALLED BY OWNERS CONTRACTOR.
  2. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL UNDERGROUND VACUUM SUCTION PIPES. REFER TO SP-1 FOR MORE INFORMATION.
  3. SEE ARCHITECTURAL PLANS FOR FURTHER DETAIL.

**8 VACUUM EQUIPMENT ENCLOSURE PLAN**  
NOT TO SCALE



**9 TRASH ENCLOSURE PLAN**  
NOT TO SCALE



- NOTES:**
1. ALL FENCE WOOD SHALL BE NO. 1 GRADE, SOUTHERN YELLOW PINE, ACG GROUND CONTACT PRESSURE TREATED LUMBER.
  2. ALL FASTENERS AND BRACKETS SHALL BE GALVANIZED STEEL OR CERAMIC COATED RATED FOR EXTERIOR USE.
  3. CONCRETE SHALL BE A MINIMUM OF 3,000 PSI.

**10 BOARD ON BOARD FENCE DETAIL**  
NOT TO SCALE

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*Chad Gaulrapp* 04/21/23

**TAKE 5 EXPRESS CAR WASH**  
2520 BRUNSWICK PIKE  
LAWRENCE TOWNSHIP, NJ 08648

**CONSTRUCTION DETAILS**

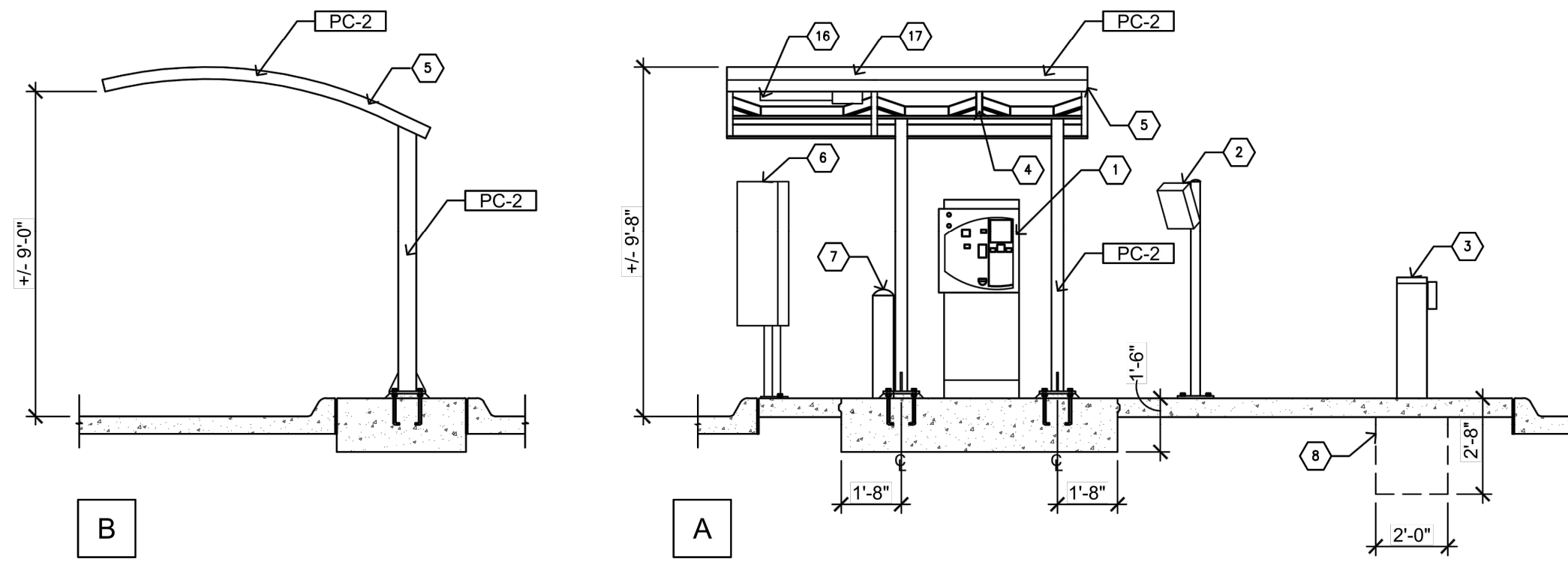
**BOING US HOLDCO, INC.**  
440 SOUTH CHURCH STREET, SUITE 700  
CHARLOTTE, NC 28202

NO.	DATE	REVISIONS	BY

PROJECT: **DRVBR22047**  
DATE: 2023-04-21  
DRAWING SCALE: AS NOTED  
DRAWN BY: NC  
APPROVED BY: CG

**CS6002**  
SHEET 14 OF 19

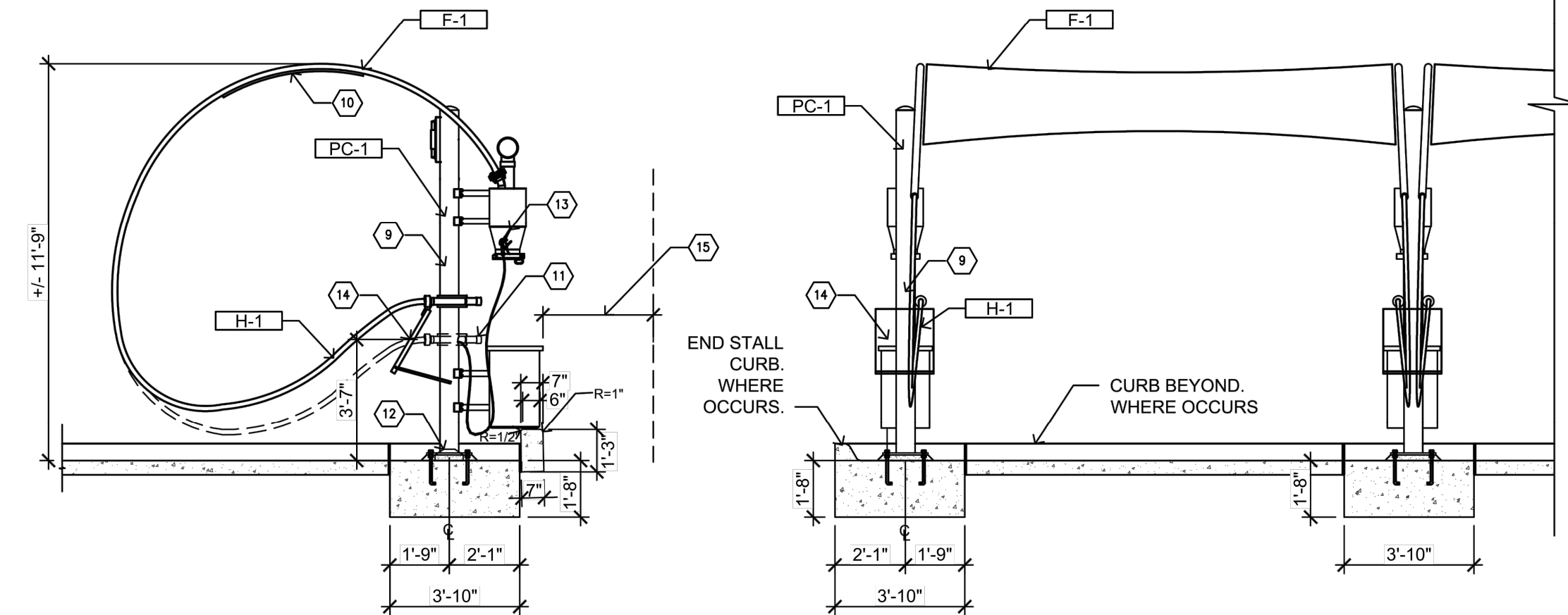
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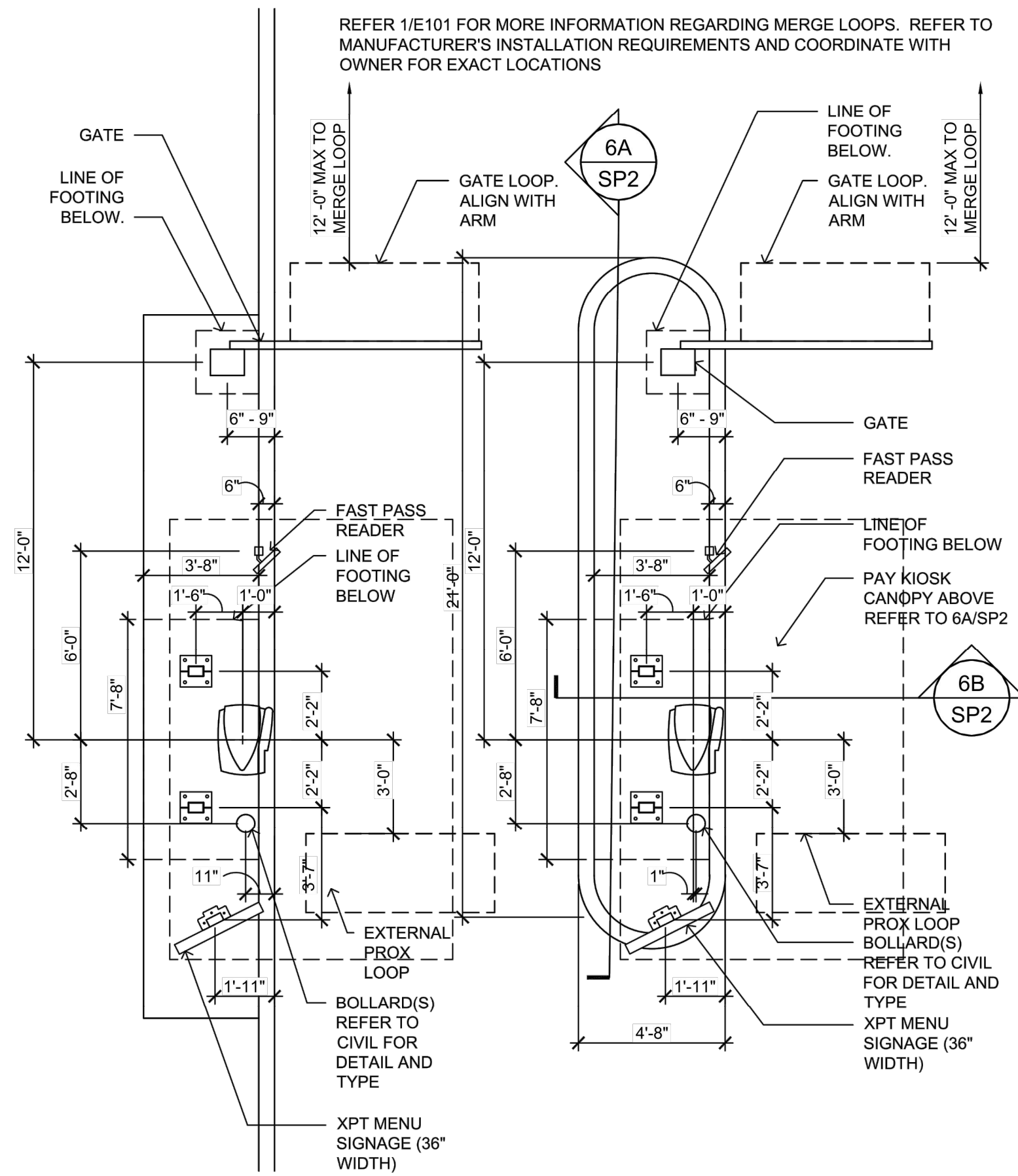
**1** PAY KIOSK ISLAND SECTION  
NOT TO SCALE

**KEYNOTES**

- 1 XPT PAY KIOSK. REFER TO 4/ SP2 FOR MANUFACTURER BASE FRAME. CONFIRM FOOTING AND BASE PLATE/ ANCHOR BOLT PLACEMENT WITH MANUFACTURER (DRB SYSTEMS) INSTRUCTIONS PRIOR TO INSTALLATION
- 2 FAST PASS READER. REFER TO E2 FOR ELECTRICAL REQUIREMENTS. NO FOOTING REQUIRED PER THE MANUFACTURER (DRB SYSTEMS)
- 3 VEHICULAR GATE. REFER TO E2 FOR ELECTRICAL REQUIREMENTS. REFER TO MANUFACTURER'S (DRB SYSTEMS) INSTALLATION REQUIREMENTS FOR REQUIRED FOOTING AND BASE PLATE/ ANCHOR BOLT PLACEMENT
- 4 LED LIGHT 'S2' FURNISHED AND INSTALLED BY GENERAL CONTRACTOR
- 5 PRE-MANUFACTURED CANOPY BY TSS (WWW.TSSCW.COM). MODEL: CPSHD - HEAVY DUTY DUAL POST CURVED PAY STATION CANOPY. SEE BOLT PATTERN THIS SHEET. REFER TO STRUCTURAL FOR FOOTING
- 6 MENU SIGN BY OWNER. REFER TO SHEET E100 FOR ELECTRICAL REQUIREMENTS
- 7 BOLLARD. REFER TO CIVIL.
- 8 LINE OF FOOTING. VERIFY FOOTING REQUIREMENTS WITH THE MANUFACTURER'S INSTALLATION MANUAL.
- 9 UMBRELLA ARCH. MANUFACTURER: VACUTECH. REFER TO BASE PLATE BOLT PATTERN THIS SHEET. REFER TO STRUCTURAL FOR FOOTING.
- 10 'S1' LIGHT FIXTURE. FURNISHED BY OWNER, INSTALLED BY GENERAL CONTRACTOR.
- 11 ACCESSIBLE VACUUM HOSE AT HANDICAP ACCESSIBLE STALL. REFER TO CIVIL FOR HANDICAP ACCESSIBLE VACUUM STALL
- 12 WHEEL STOP (WHERE OCCURS). REFER TO CIVIL.
- 13 COMPRESSED AIR HOSE AND NOZZLE FURNISHED BY MANUFACTURER WITH VACUUM ARCH. GENERAL CONTRACTOR SHALL PROVIDE (1) UNDERGROUND SLEEVE FROM EQUIPMENT ROOM TO EACH ROW OF VACUUM STALLS. REFER TO SP1
- 14 CAR MAT RACK FURNISHED BY MANUFACTURER.
- 15 MAINTAIN MINIMUM ACCESSIBLE ROUTE WIDTH. REFER TO CIVIL.
- 16 EXTERIOR INDIRECT HEATER. REFER TO MECHANICAL.
- 17 EXTENDED CANOPY OVERHANG BY TSS; REFER TO STRUCTURAL FOR FOOTINGS.



**2** TYPICAL VACUUM ARCH SECTION  
NOT TO SCALE



**3** PAY KIOSK ISLAND PLAN  
NOT TO SCALE

**OWNER FURNISHED PRODUCTS AND NOTES**

1. ALL FOOTINGS AND ANCHOR BOLTS FURNISHED AND INSTALLED BY GENERAL CONTRACTOR. REFER TO STRUCTURAL FOR MORE INFORMATION.
2. XPT PAY KIOSK FURNISHED AND INSTALLED BY OWNER'S CONTRACTOR. REFER TO ELECTRICAL FOR POWER AND DATA REQUIREMENTS
3. GATE FURNISHED AND INSTALLED BY OWNER'S CONTRACTOR. REFER TO ELECTRICAL FOR POWER AND DATA REQUIREMENTS
4. FAST PASS READER FURNISHED AND INSTALLED BY OWNER'S CONTRACTOR. REFER TO ELECTRICAL FOR POWER AND DATA REQUIREMENTS
5. XPT CANOPY (TSS) FURNISHED AND INSTALLED BY OWNER'S CONTRACTOR. REFER TO ELECTRICAL FOR POWER AND DATA REQUIREMENTS
6. XPT MENU SIGNAGE FURNISHED AND INSTALLED BY OWNER'S CONTRACTOR. REFER TO ELECTRICAL FOR POWER AND DATA REQUIREMENTS
7. LOOPS FURNISHED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS AND COORDINATE WITH OWNER FOR EXACT LOCATIONS

REFER TO CIVIL PAVING DRAWINGS FOR ALL PAVING SPECIFICATIONS AND DIMENSIONAL CONTROLS.

SINGLE POINT OF CONTACT:  
BOB MCQUAGUE, ICWG ENGINEERING & TECHNICAL DIRECTOR  
901.870.3498  
BOBMCQUAGUE@ICWG.COM

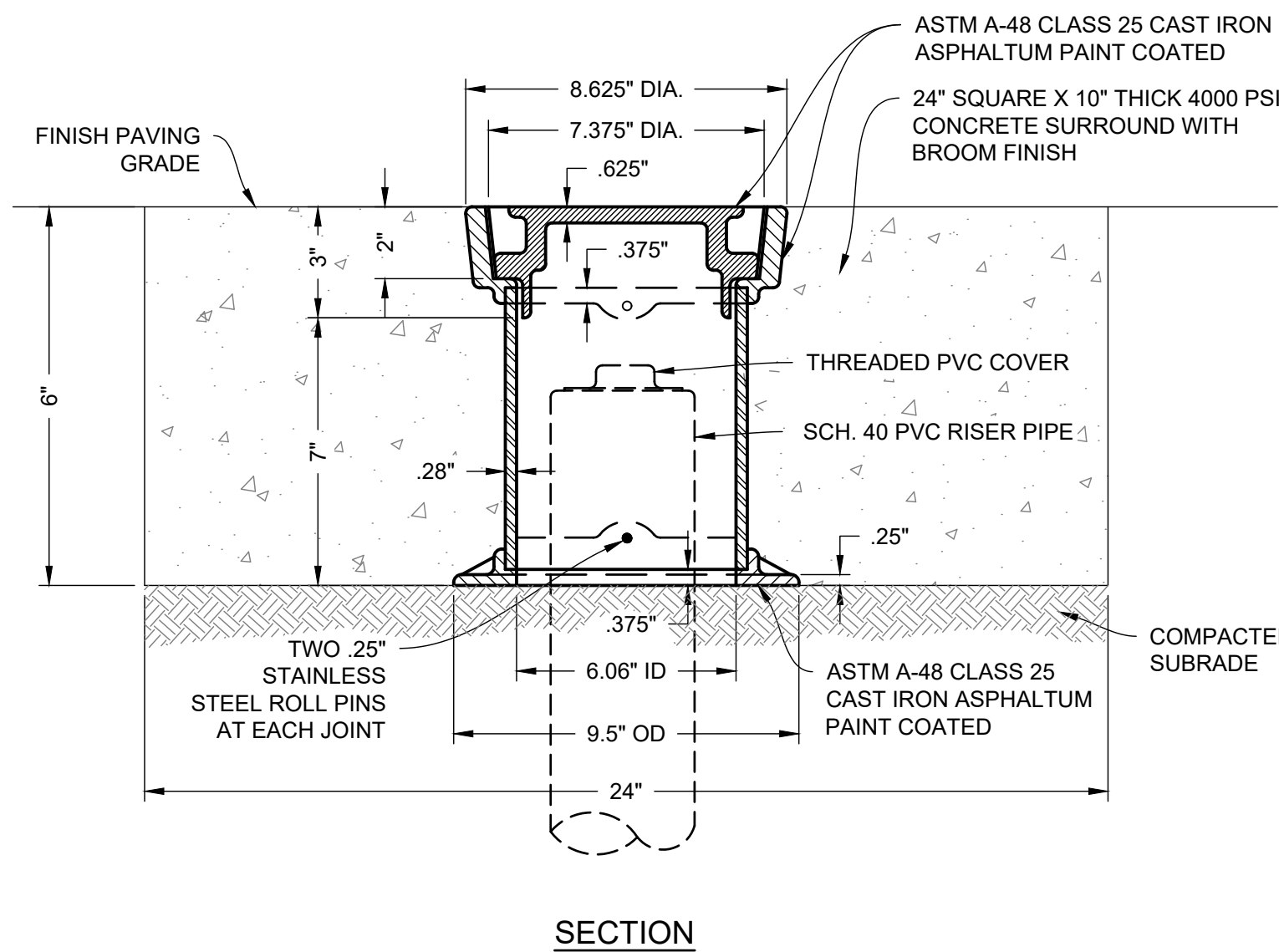
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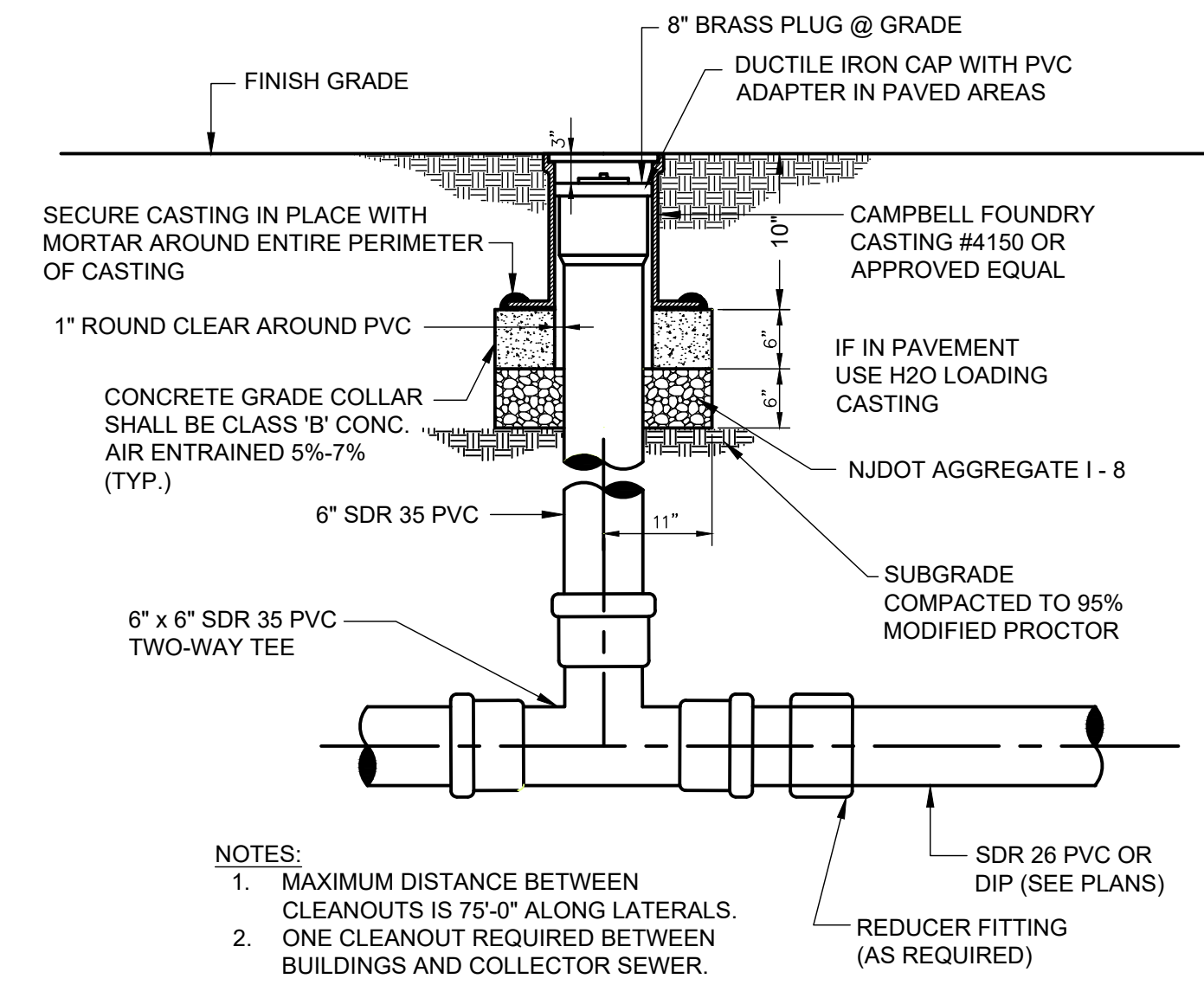
PROJECT	DRVBR22047
DATE	2023-04-21
DRAWING SCALE	ASNOTED
DRAWN BY	NC
APPROVED BY	CG

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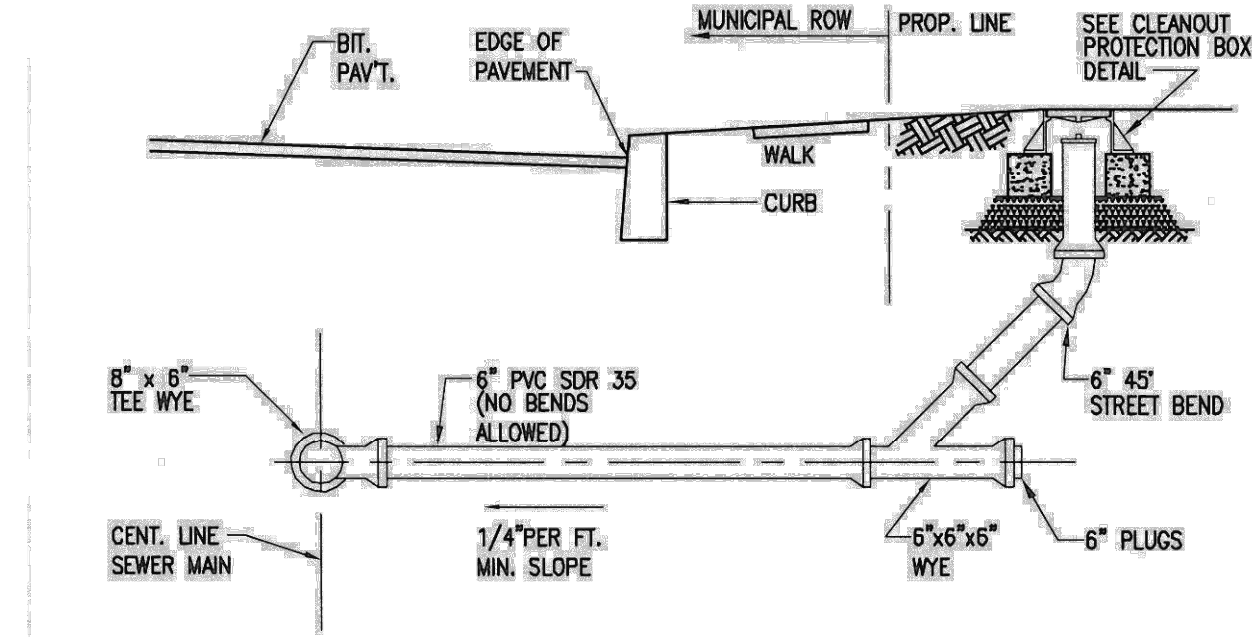
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 PLOTTED: 4/19/2023 12:27 PM BY: Heidi Camarero PLOTTFILE: Pennoni\NC.dwg PROJECT STATUS:



**1** CLEANOUT COVER IN PAVED AREA DETAIL  
N.T.S.



**2** SANITARY CLEANOUT DETAIL  
N.T.S.



**3** SERVICE CONNECTION DETAIL  
N.T.S.

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NJ COA. NO. GA28033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**CHAD GAULRAPP**  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. GE 41350

*Chad Gaulrapp* 04/21/23

**TAKE 5 EXPRESS CAR WASH**  
2520 BRUNSWICK PIKE  
LAWRENCE TOWNSHIP, NJ 08648

**SANITARY SEWER DETAILS**

**BOING US HOLDCO, INC.**  
440 SOUTH CHURCH STREET, SUITE 700  
CHARLOTTE, NC 28202

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PROJECT **DRVBR22047**  
DATE **2023-04-21**  
DRAWING SCALE **AS NOTED**  
DRAWN BY **NC**  
APPROVED BY **CG**

**CS6051**  
SHEET **16** OF **19**

**NOT FOR CONSTRUCTION**

U:\Admin\DR\BR\BR22047 - Take 5 Express Car Wash - Issued\CS6051\_SHEET16CS6051.dwg PLOTTED: 01/23/2023 12:27 PM BY: Nadeh Comanina PLOTTSTYLE: Pennoni\CS.dsb PROJECT STATUS: —

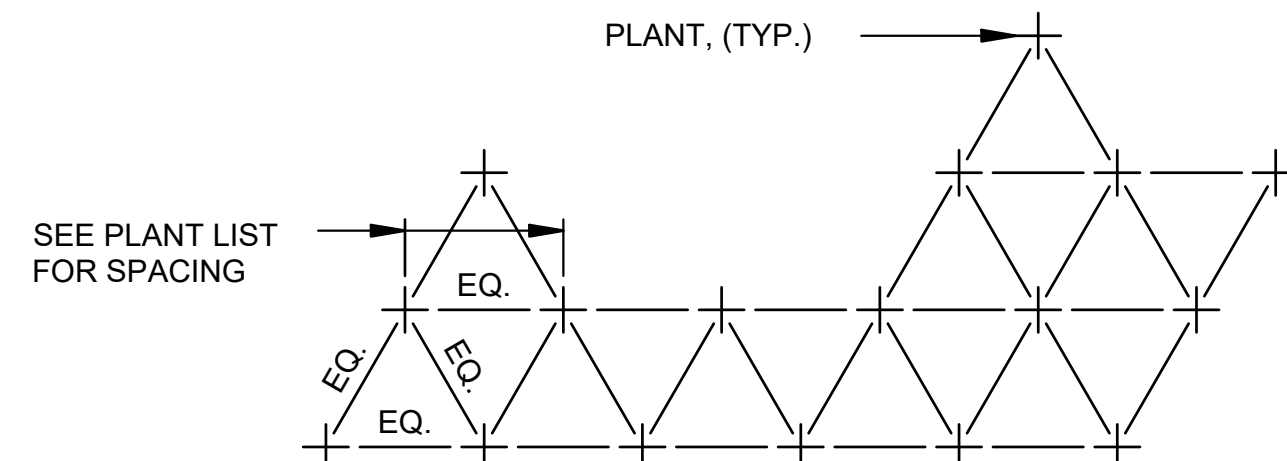


### PLANTING NOTES

- ALL PLANT LOCATIONS SHALL BE STAKED IN THE FIELD AND LOCATIONS APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- TOPSOIL WITH A QUALITY ORGANIC SOIL AMENDMENT SHALL BE USED FOR ALL PLANTING AND SEEDING OPERATIONS.
- INSTALL 12" MINIMUM TOPSOIL MIXTURE IN GROUNDCOVER BEDS AND 24" IN SHRUB BEDS AND ISLANDS. 6" OF TOPSOIL ARE TO REMAIN ON ALL DISTURBED AREAS TO RECEIVE SOD OR SEED.
- NOTIFY ALL UTILITY COMPANIES AND LOCATE ALL UTILITIES PRIOR TO EXCAVATING PLANT PITS. PLANT LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID INTERFERENCE WITH UNDERGROUND UTILITIES.
- SHOULD ANY DISCREPANCY ARISE BETWEEN THE PLANTING PLAN AND THE PLANTING SCHEDULE, THE DEVELOPER IS RESPONSIBLE FOR THE QUANTITIES SHOWN ON THE LANDSCAPE PLAN.
- ALL PLANT MATERIAL SHALL BE OF NURSERY STOCK QUALITY AS DEFINED BY THE AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS AND SHALL BE FIRST QUALITY NURSERY GROWN STOCK FREE OF DISEASE AND OBJECTIONABLE DISFIGUREMENTS AND PLANTED IN CONFORMANCE WITH SOUND NURSERY PRACTICE AND APPLICABLE TOWNSHIP STANDARDS.
- ALL NON-BIODEGRADABLE ROOT WRAPPING TO BE REMOVED COMPLETELY BEFORE PLANTING.
- ALL TREES SHALL BE BALLED AND BULLAPPED, NURSERY GROWN STOCK.
- ALL PLANT MATERIAL AND LAWNS SHALL BE PLANTED WITHIN THE RECOMMENDED SEASONAL TIME PERIODS AS PRESCRIBED BY ACCEPTED HORTICULTURAL PRACTICE. RECOMMENDED PLANTING TIMES ARE BETWEEN APRIL 15TH THRU MAY 31ST OR AUGUST 17TH THRU OCTOBER 15TH. FALL DIGGING AND TRANSPLANT HAZARD TREE SPECIES (OAKS, ETC.) SHALL BE ONLY BE DUG AND PLANTED IN SPRING.
- ALL PLANT MATERIAL SHALL BE APPROVED UPON ARRIVAL TO THE SITE, UNLESS OTHERWISE NOTIFIED.
- PROPOSED PLANT MATERIAL MAY BE SUBSTITUTED BY SIMILAR PLANTS PRIOR TO INSTALLATION, SUBJECT TO APPROVAL BY THE TOWNSHIP ENGINEER.
- A TEMPORARY FENCE, SUCH AS SNOW FENCE, SHALL BE ERECTED AT THE PERIMETER OF THE DRIPLENE OF ALL EXISTING VEGETATION INDICATED TO REMAIN. PRIOR TO EXCAVATION, CONSTRUCTION OR SITE WORK. THIS FENCE SHALL BE REMOVED ONLY AT THE TIME OF COMPLETION OF ALL CONSTRUCTION AND FINAL GRADING.
- EXISTING TREES TO BE RELOCATED SHALL BE HANDLED ACCORDING TO ACCEPTABLE HORTICULTURE PRACTICE.
- ALL DISTURBED AREAS NOT SHOWN AS PLANTED OR LAWN SHALL BE TOPSOILED AND SEEDED OR RETURNED TO THEIR ORIGINAL STATE BEFORE DISTURBANCE AS DIRECTED BY THE TOWNSHIP ENGINEER.
- ALL AREAS NOT RELATED TO THE PROPOSED DEVELOPMENT SHALL REMAIN IN THEIR NATURAL STATE. DISTURBANCE OF EXISTING VEGETATION SHALL BE LIMITED TO WORK AREA AND AS DEFINED ON DWGS. CS0501 AND CS8001.
- ADDITIONAL LANDSCAPING APPROVED BY THE TOWNSHIP ENGINEER SHALL BE PROVIDED BY THE APPLICANT TO REPLACE ANY VEGETATION IN ADVERTENTLY REMOVED OUTSIDE THE LIMIT OF DISTURBANCE LINE AS SHOWN ON THE APPROVED GRADING PLAN DURING CONSTRUCTION.
- PROPOSED TREES SHALL NOT BE PLANTED WITHIN EASEMENTS, DRIVEWAYS AND SITE TRIANGLES. THEREFORE, THE TREE LOCATIONS SHALL BE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD AS REQUIRED.
- ALL SHADE TREES IN PEDESTRIAN WALKS AREAS SHALL HAVE AN INITIAL LIMBS PRUNED STARTING AT A MINIMUM OF 7 FT. ABOVE FINISHED GRADE.
- ALL TREES SHALL BE MULCHED WITH A THREE INCH (3") MINIMUM DEPTH OF SHREDDED HARDWOOD BARK.
- PLANTS ARRANGED IN CONTINUOUS GROUPINGS SHALL BE SET IN MULCHED BEDS.
- PLANTING DEBRIS SHALL BE REMOVED FROM THE PROPERTY.
- ANY LIVE TREE WHICH IS SUBSTANTIALLY DAMAGED AS A RESULT OF GRADING OR GENERAL CONSTRUCTION MUST BE REMOVED AND REPLACED WITH ANOTHER TREE OR TREES AS APPROVED BY THE TOWNSHIP ENGINEER.
- TREE REMOVAL FROM ANY SLOPE OR ENVIRONMENTALLY SENSITIVE AREA IS PROHIBITED IF IT WILL CONTRIBUTE, IN THE OPINION OF THE TOWNSHIP ENGINEER, TO EXTRA RUNOFF OF SURFACE WATER ONTO ADJOINING PROPERTY AND EROSION AND SILTING, UNLESS OTHER MEANS APPROVED BY THE TOWNSHIP ENGINEER ARE PROVIDED TO PREVENT RUNOFF AND EROSION.
- NO HEALTHY TREE THAT IS SPECIAL BY VIRTUE OF HISTORY, UNUSUAL SIZE, OR AGE OR OF RARE SPECIES, SHALL BE REMOVED EXCEPT AS MAY BE REQUIRED FOR PROTECTION OF PUBLIC HEALTH, SAFETY AND WELFARE.
- SELECTED EXISTING HEALTHY TREES SIX (6) INCHES IN CALIPER OR LESS MEASURED FOUR (4) FEET ABOVE THE GROUND SHALL BE RELOCATED ON-SITE UNDER THE DIRECTION AND APPROVAL OF THE TOWNSHIP ENGINEER.
- NEWLY INSTALLED PLANT MATERIAL SHALL BE WATERED AT THE TIME OF PLANTING. REGULAR WATERING SHALL BE PROVIDED TO ENSURE THE ESTABLISHMENT AND REGULAR GROWTH OF PLANTS.
- ALL SHRUBS SPACED 7 FT. O.C. OR CLOSER SHALL BE IN CONTINUOUS MULCHED BEDS.
- SEED ALL DISTURBED AREAS WITH REQUIRED SEED MIX (SEE DWG. CS8501 FOR SEEDING MIX SCHEDULE).
- TREES SHOULD BE PLANTED A MIN. OF FIVE (5) FEET FROM SIDEWALKS UNLESS IN TREE PITS.
- GUY WIRES AND STAKES WILL ONLY BE UTILIZED IF CONDITIONS MERIT AND WILL BE REMOVED BY THE DEVELOPER AT THE END OF THE GUARANTEE PERIOD.

### TOPSOIL NOTES

- ALL TOPSOIL, WHETHER IMPORTED OR FROM ON-SITE, SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
  - TOPSOIL MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE REDISTRIBUTED ON ALL REGRADED SURFACES SO AS TO PROVIDE AT LEAST SIX (6) INCHES OF EVEN COVER TO ALL DISTURBED AREAS OF THE DEVELOPMENT AND SHALL BE STABILIZED BY SEEDING OR PLANTING.
  - TOPSOIL, DISTURBED IN THE COURSE OF DEVELOPMENT SHALL NOT BE REMOVED FROM THE SITE AND SHALL BE STORED FOR REDISTRIBUTION.
  - TOPSOIL SHALL BE LOAMY SAND, SANDY LOAM, CLAY LOAM, LOAM, SILT LOAM, OR OTHER SOIL APPROVED BY THE BOARD OR MUNICIPAL ENGINEER. IT SHALL BE NATURAL, FERTILE SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH AND SHALL BE OF A UNIFORM QUALITY, FREE FROM SUBSOIL, SLAG, CINDERS, STONES 1" INCH OR LARGER IN ANY DIMENSION, LUMPS OF SOIL, STICKS, ROOTS, TRASH, OR OTHER EXTRANEOUS, UNDESIRABLE MATERIALS. TOPSOIL SHALL ALSO BE FREE OF VIABLE PLANTS OR PLANT PARTS OF BERMUDA GRASS, QUACKGRASS, JOHNSON GRASS, NUT SEDGE, POISON IVY, CANADA THISTLE, OR SIMILAR MATERIAL.
  - WHEN TOPSOIL STOCKPILED ON SITE, IS TO BE REUSED, SOIL DEBRIS TO INCLUDE ROOTS, SODS, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH SHALL BE REMOVED PRIOR TO REUSE.
  - TOPSOIL SHALL MEET THE FOLLOWING REQUIREMENTS:
    - PH RANGE - 5.5 TO 6.5
    - ORGANIC MATTER - FOUR (4%) PERCENT MINIMUM.
    - SOLUBLE SALTS NO HIGHER THAN FIVE HUNDRED (500) PARTS PER MILLION.
    - SIEVE ANALYSIS SHALL CONFORM TO TABLE 5.4. OF CHERRY HILL TOWNSHIP ORDINANCE; SECTION 508.1 (13)
  - MATERIALS STRIPPED FROM THE FOLLOWING SOURCES SHALL NOT BE CONSIDERED SUITABLE FOR USE AS TOPSOIL:
    - SOILS HAVING LESS THAN 5.0 PH VALUE.
    - CHEMICALLY CONTAMINATED SOILS.
    - AREAS FROM WHICH THE ORIGINAL SURFACE HAS BEEN STRIPPED AND/OR COVERED OVER SUCH AS BORROW PITS, OPEN MINES, DEMOLITION SITES, DUMPS, AND SANITARY LANDFILLS.
  - WET EXCAVATION.



PLANT SPACING DIAGRAM

### SEEDING NOTES

- SEED ALL AREAS DISTURBED BY CONSTRUCTION NOT OTHERWISE CONTAINING PLANTING BEDS, SIDEWALKS, BUILDINGS, ETC.
- BEFORE SEEDING, CONTRACTOR SHALL PROVIDE SOIL TESTS AND INCORPORATE NECESSARY SOIL AMENDMENTS PER SOIL TEST RECOMMENDATIONS.
- PERFORM ALL FINISH GRADING, WITHIN AREAS OF DISTURBANCE, NECESSARY TO BRING SITE TO REQUIRED FINISHED ELEVATIONS. FINISH GRADING SHALL CONSIST OF PREPARING SUBGRADE AND SPREADING TOPSOIL READY FOR SEEDING OPERATIONS.
- TOPSOIL SHALL BE UNIFORMLY SPREAD IN DISTURBED AREAS WITH BLADE GRADER, OR BY ANY OTHER APPROVED METHOD, TO A MINIMUM DEPTH OF 6 INCHES TO PERMIT 1 INCH OF SETTLEMENT. CORRECT ANY SURFACE IRREGULARITIES TO PREVENT FORMATION OF LOW SPOTS AND POCKETS THAT WOULD RETAIN WATER. PRIOR TO FINE GRADING, REMOVE ALL EXISTING ANNUAL TYPE VEGETATION.
- SOW SEED AT THE RECOMMENDED SEEDING RATE AS SHOWN IN THE SEEDING MIX SCHEDULE AS NOTED ON EROSION CONTROL PLANS.
- SEED SHALL BE APPLIED APRIL 15TH THRU MAY 31ST OR AUGUST 17TH THRU OCTOBER 15TH.
- ON ALL SLOPES 3:1 OR GREATER, USE AN ORGANIC SOIL STABILIZER SUCH AS 'CON-TACK' OR EQUAL AT THE RATE OF 25 LBS PER 1,000 GALLONS OR AT RATES RECOMMENDED BY THE MANUFACTURER.
- KEEP NEWLY SEEDED GRASS AREAS MOISTENED DURING SEED GERMINATION AND UNTIL THE GRASS COVERS AT LEAST 75% OF THE SEEDED AREAS TO A HEIGHT OF 2 TO 3 INCHES.
- ALL AREAS AND SPOTS, WHICH DO NOT SHOW A PROMPT CATCH OF GRASS, SHALL THEN BE RE-SEEDED, AND THE OPERATION REPEATED UNTIL COMPLETE COVERAGE IS OBTAINED.
- SEE DWG. CS8501 FOR SEEDING SPECIFICATIONS AND RATES.

### LANDSCAPE MAINTENANCE NOTES

#### PLANT MATERIAL GUARANTEE

ALL PLANT MATERIAL SHALL BE GUARANTEED FOR TWO (2) YEARS BY THE CONTRACTOR TO BE IN HEALTHY AND VIGOROUS CONDITION FROM THE DATE OF ACCEPTANCE LANDSCAPE ARCHITECT, OWNER AND CITY INSPECTOR. ANY AND ALL PLANT MATERIAL THAT DIES OR FAILS TO THRIVE SHALL BE IMMEDIATELY REPLACED WITH SAME OR EQUIVALENT SIZE SPECIES. IT IS UNDERSTOOD THAT THE CONTRACTOR WILL PROVIDE ADEQUATE AND TIMELY CARE DURING THE GUARANTEE PERIOD TO THE HIGHEST HORTICULTURAL STANDARDS.

#### MAINTENANCE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF SITE VEGETATION DURING THE GUARANTEE PERIOD TO INCLUDE BUT NOT BE LIMITED TO:

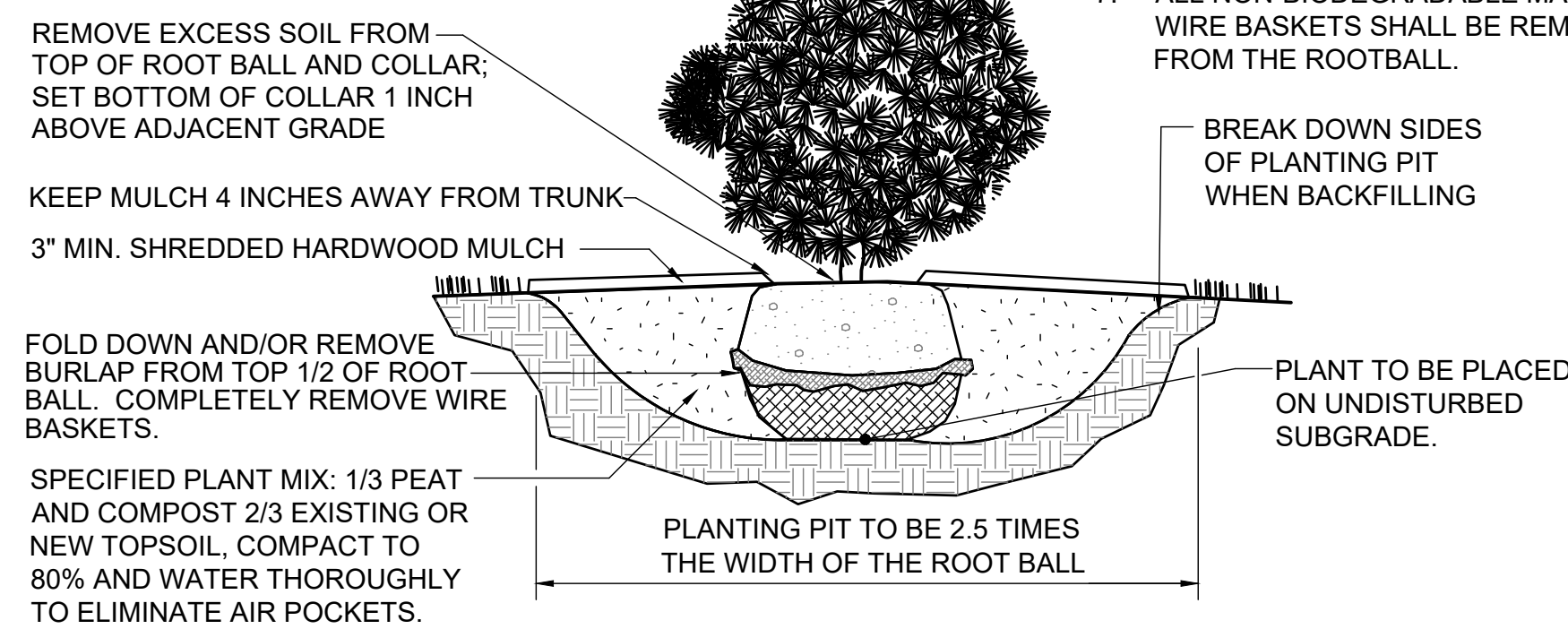
- FERTILIZER:** SPRING AND FALL FERTILIZER APPLICATIONS.
- PRUNING:** PRUNING SHALL BE LIMITED OR REMOVAL OF DEAD WOOD OR BRANCHES FOR TREES OR FOR SIGHT DIFFERENCES/SAFETY REASONS. PRUNING OF SHRUBS AND TREES SHALL BE LIMITED TO THE PRUNING NECESSARY TO MAINTAIN THE NATURAL SHAPE OF THE PLANT EXCEPT FOR SHEARED HEDGES.
- PEST CONTROL:** PRE-EMERGENT WEED CONTROL FOR MOWN LAWNS AND SHRUB BEDS MAY BE APPLIED IN FEBRUARY. CHEMICAL TREATMENT FOR INSECT INFESTATION AND DISEASE MAY BE APPLIED AND SHALL BE SPECIFIC TO THE PROBLEM.
- MULCHING:** MULCHING SHALL BE MAINTAINED AT A DEPTH OF 3" IN PLANT BEDS AND AROUND BASE OF TREES.
- MOWING:** MOWN LAWN SEED MIX SHALL BE MOWN AT REGULAR INTERVALS THROUGHOUT THE GROWING SEASON. GRASS HEIGHT SHOULD NOT EXCEED 4 INCHES BEFORE CUTTING. MOWER BLADES SHALL BE SET AT 3 INCHES UNLESS OTHERWISE DIRECTED.
- PLANT PROTECTION:** AVOID EXCESS INTRUSION INTO THE ROOT ZONE AREA OF ESTABLISHED PLANTINGS.
- WATERING:** UNLESS STATED OTHERWISE IN THESE DOCUMENTS, PROVIDE APPROXIMATELY 1-INCH OF RAINFALL/WATER PER WEEK THROUGHOUT THE GROWING SEASON FOR THE FIRST YEAR.

#### PERENNIAL AND GROUNDCOVER MAINTENANCE

- WEED CONTROL CAN BE A PROBLEM UNTIL THE GROUNDCOVERS/ PERENNIALS HAVE SPREAD AND FILLED IN THE AREA. CONTROL OF PERSISTENT, PERENNIAL WEEDS, SUCH AS BERMUDAGRASS AND NUTGRASS SHOULD BE ACHIEVED BEFORE PLANTING. USE A NONSELECTIVE HERBICIDE, SUCH AS ROUNDUP. A MULCH APPLIED AFTER PLANTING AND REFRESHED AS NEEDED TO MAINTAIN A DEPTH OF 3 INCHES WILL REDUCE THE NEED TO WEED BY HAND. PRE-EMERGENCE HERBICIDES CAN BE USED ON MANY TYPES OF GROUNDCOVER TO AID WEED CONTROL; READ THE LABEL CAREFULLY BEFORE APPLYING. AS THE GROUNDCOVER FILLS IN WEEDS WILL BECOME LESS OF A PROBLEM BECAUSE OF THE SHADED SOIL. SOME HAND WEEDING WILL MOST LIKELY BE NEEDED.
- FERTILIZER - MOST GROUNDCOVERS WILL BENEFIT FROM AN APPLICATION OF FERTILIZER IN LATE WINTER TO EARLY SPRING. USE 2 TO 4 POUNDS OF A COMPLETE FERTILIZER PER 1,000 SQUARE FEET. WATER OR BRUSH FERTILIZER OFF THE FOLIAGE AFTER BROADCASTING.

#### NOTES:

- USE DIGGING FORK NOT SPADE TO PREVENT GLAZING OF PIT EDGES
- PRUNE DEAD AND DAMAGED BRANCHES IN ACCORDANCE WITH RECOGNIZED HORTICULTURAL PRACTICES.
- DO NOT PRUNE LEADER.
- SET PLANTS PLUMB AND FACE TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO ADJACENT AREAS.
- COMPLETELY REMOVE ALL TREE WRAP AFTER INSTALLATION
- ONLY STAKE TREES OVER 8 FT. HEIGHT OR ON SLOPES GREATER THAN 4:1
- ALL NON-BIODEGRADABLE MATERIALS INCLUDING WIRE BASKETS SHALL BE REMOVED COMPLETELY FROM THE ROOTBALL.

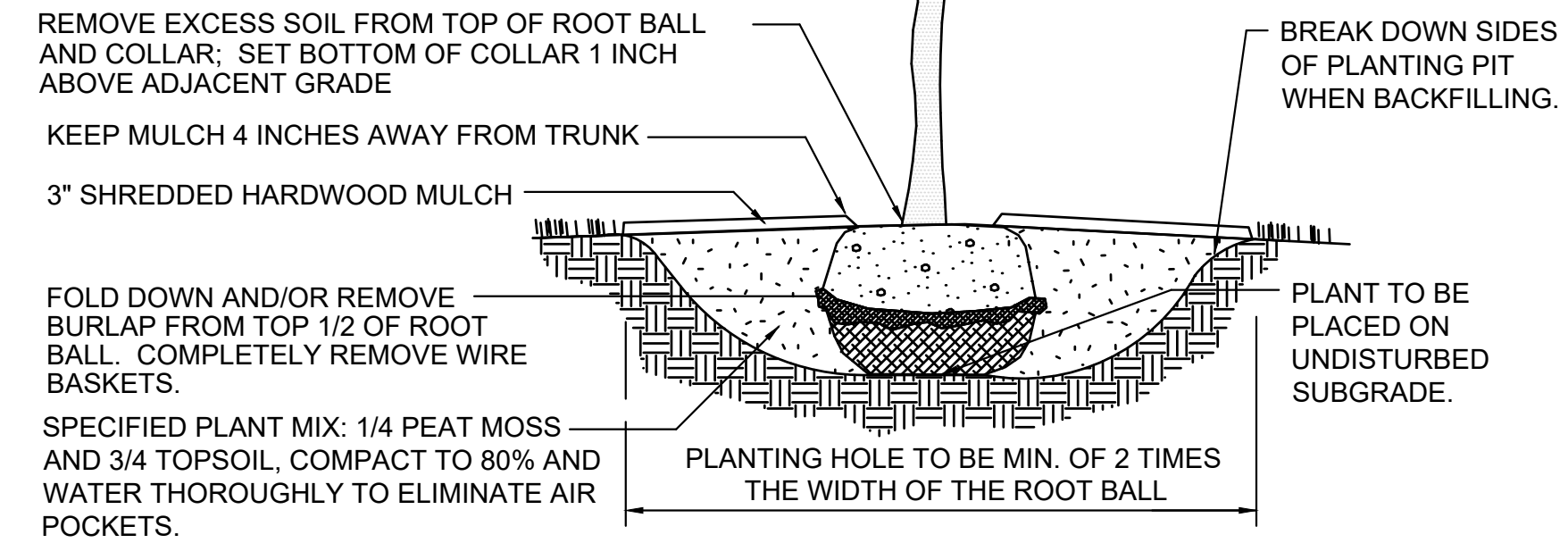


EVERGREEN TREE PLANTING

NOT TO SCALE

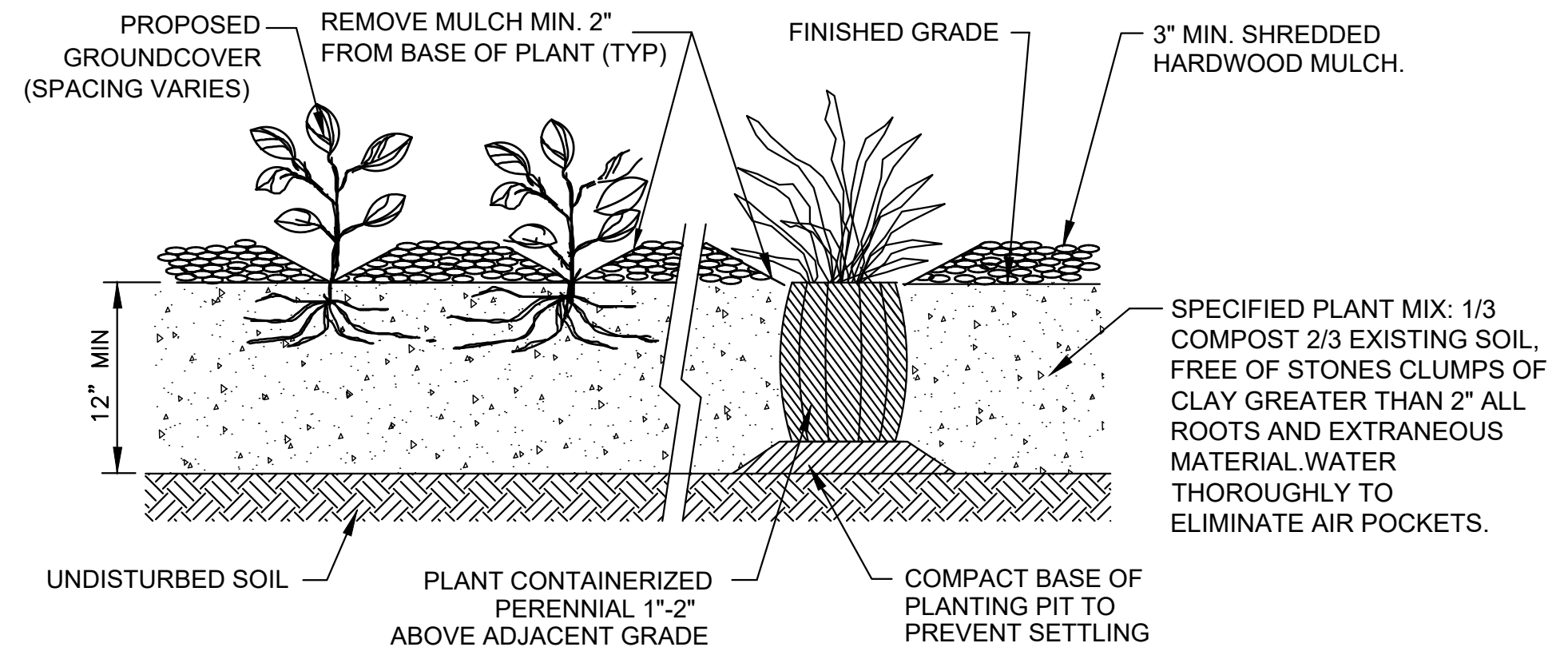
#### NOTES:

- USE DIGGING FORK NOT SPADE TO PREVENT GLAZING OF PIT EDGES
- PRUNE DEAD AND DAMAGED BRANCHES IN ACCORDANCE WITH RECOGNIZED HORTICULTURAL PRACTICES.
- DO NOT PRUNE LEADER.
- SET PLANTS PLUMB AND FACE TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO ADJACENT AREAS.
- COMPLETELY REMOVE ALL TREE WRAP AFTER INSTALLATION
- ONLY STAKE TREES OVER 3" CALIPER OR ON SLOPES GREATER THAN 4:1
- ALL NON-BIODEGRADABLE MATERIALS INCLUDING WIRE BASKETS SHALL BE REMOVED COMPLETELY FROM THE ROOTBALL.



DECIDUOUS TREE PLANTING

NOT TO SCALE

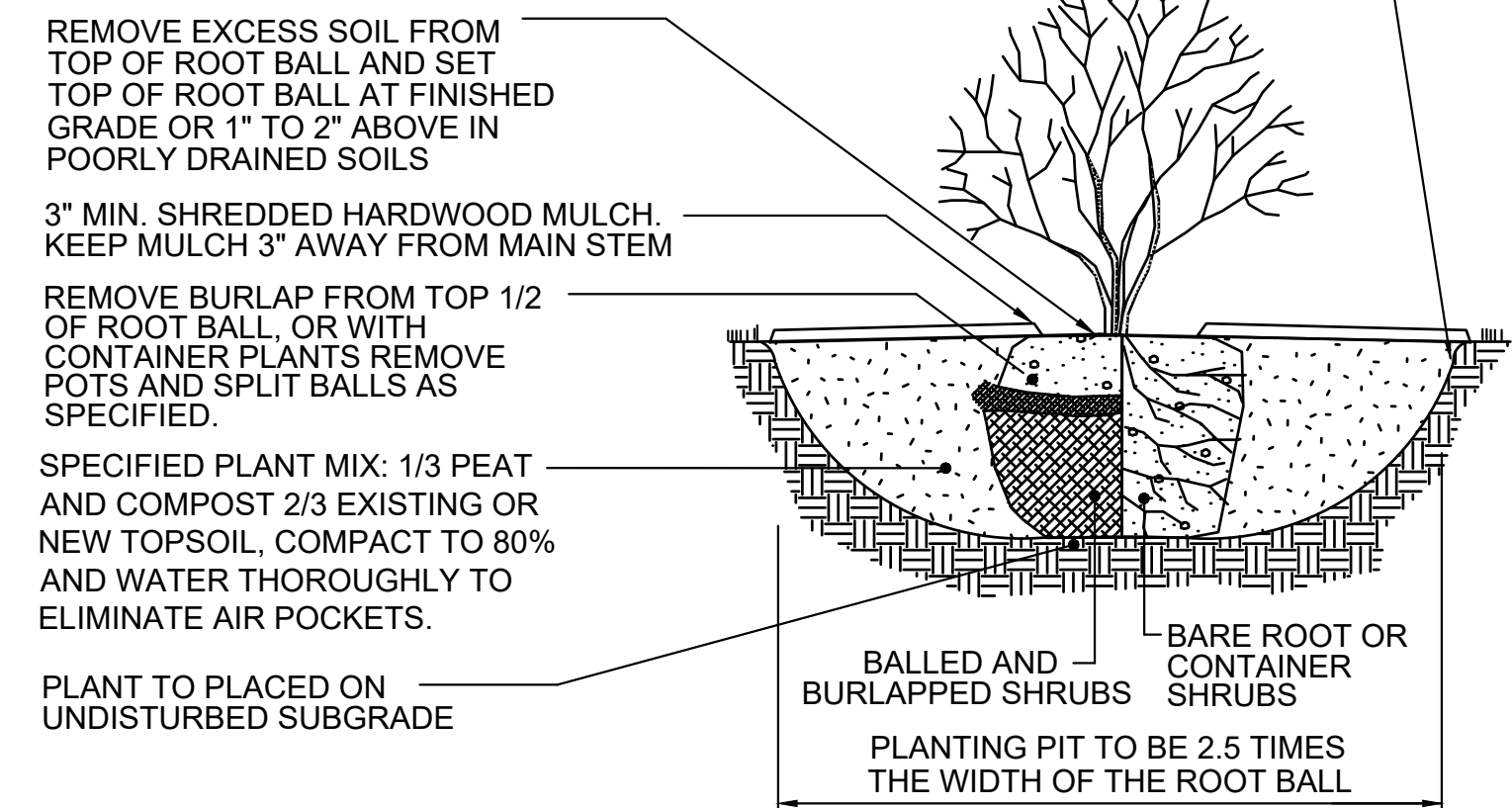


PERENNIAL/GROUNDCOVER/ORN. GRASS PLANTING

NOT TO SCALE

#### NOTES:

- SET PLANTS PLUMB AND FACE TO GIVE BEST APPEARANCE TO ADJACENT AREAS.
- PRUNE ONLY TO REMOVE DEAD OR DAMAGED BRANCHES.
- USE A DIGGING FORK NOT A SPADE TO PREVENT GLAZING OF PIT EDGES



SHRUB PLANTING

NOT TO SCALE

**NOT FOR CONSTRUCTION**

**PENNONI ASSOCIATES INC.**  
515 Grove Street, Suite 1B  
Haddon Heights, NJ 08035  
T 856.547.0505 F 856.547.9174  
NJ COA. NO. GA28033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**CHAD GAULRAPP**  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. GE 41350

*Chad Gaulrapp* 04/21/23

**TAKE 5 EXPRESS CAR WASH**  
2520 BRUNSWICK PIKE  
LAWRENCE TOWNSHIP, NJ 08648

**LANDSCAPE DETAILS**

**BOING US HOLDCO, INC.**  
440 SOUTH CHURCH STREET, SUITE 700  
CHARLOTTE, NC 28202

NO.	DATE	REVISIONS	BY

ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNONI ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO PENNONI ASSOCIATES AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

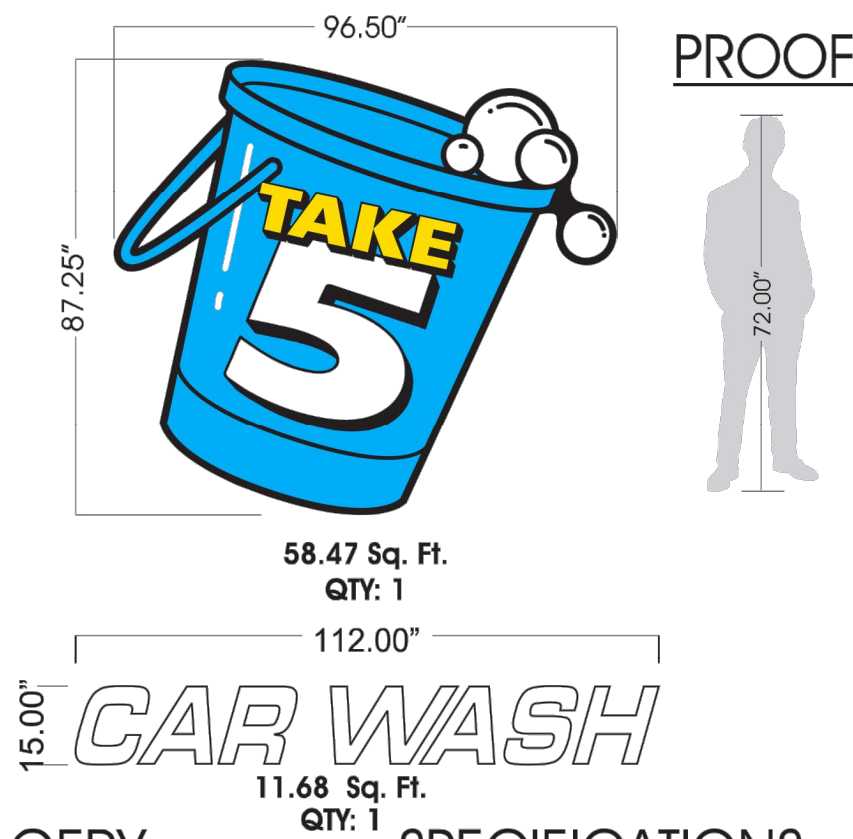
PROJECT	DRVBR22047
DATE	2023-04-21
DRAWING SCALE	AS NOTED
DRAWN BY	NC
APPROVED BY	CG

U:\Accounting\PROJ\DRVBR22047 - Take 5 Express Car Wash - Landscape\CS6061.dwg  
 PLOTTED: 01/20/2023 12:27 PM BY: Noah Cummings  
 PLOTTED: Pennoni\NCS.dwg  
 PROJECT STATUS: —

**NORTH WEST**  
**TAKE 5**  
**CAR WASH**  
 2520 Brunswick Pike  
 Lawrence Township, NJ  
 08648

Underwriters Laboratories Inc. •  
 UL File #E225670

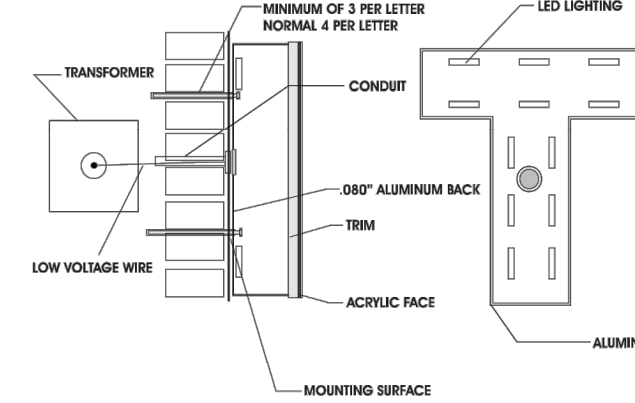
Sq. Ft. Signage: 70.15  
 Signage Allowance: Lawrence Township  
 Zoned HC - Highway Commercial  
 One per building, 5% Facade Area  
 Maximum Sq. Ft.: 48.44 Sq. Ft.  
**EXPECTED TO EXCEED ALLOWANCES**



- Color Key:**
- PMS 2191 C
  - PMS 7691 C
  - PMS 107 C
  - PMS 7625 C
  - Black
  - White

• GENERAL LOCATION OF J-BOXES (BY ELECTRICIAN)  
 • TO BE LOCATED INSIDE BUILDING & ACCESSIBLE FOR HOOKUP TO POWER SUPPLIES.  
 NOTE: IF THE PERMANENT POWER IS NOT RUN BEFORE THE SIGNS ARE INSTALLED, IT IS THE ELECTRICIAN'S RESPONSIBILITY TO MAKE THE FINAL CONNECTIONS WHEN THEY RUN THE LINES

**DETAIL**



**NOTES:**  
 • IF ELECTRICAL LINE/J-BOX IS WITHIN 6' OF ELECTRICAL, CONNECTION TO BE HANDLED BY INSTALLER.  
 • IF NOT ELECTRICAL HANDLED BY OWNER/GC  
 • IF ROOF PENETRATIONS ARE NECESSARY, THEY ARE TO BE SEALED BY A ROOFER. THIS IS HANDLED BY THE GC/OWNER  
 • REMOVAL AND DISPOSAL OF EXISTING WALL SIGNS HANDLED BY GC/OWNER

**SPECIFICATIONS**  
 ILLUMINATED CHANNEL LETTERS  
 Size: As in drawing  
 Trim: 1"  
 Trim Color: Black  
 Return Color: Black  
 Return Depth: 5"  
 Face Color: See above  
 Face: 1/8" Acrylic  
 Letter Interior: Gloss White  
 Illumination: LED  
 Mounting: Studded Letters

Owner/Landlord Approval \_\_\_\_\_  
**6801 Mount Hermon Church Rd, Ste C, Durham, NC 27705 • (P) 919-552-8689 • (F) 919-557-1322**

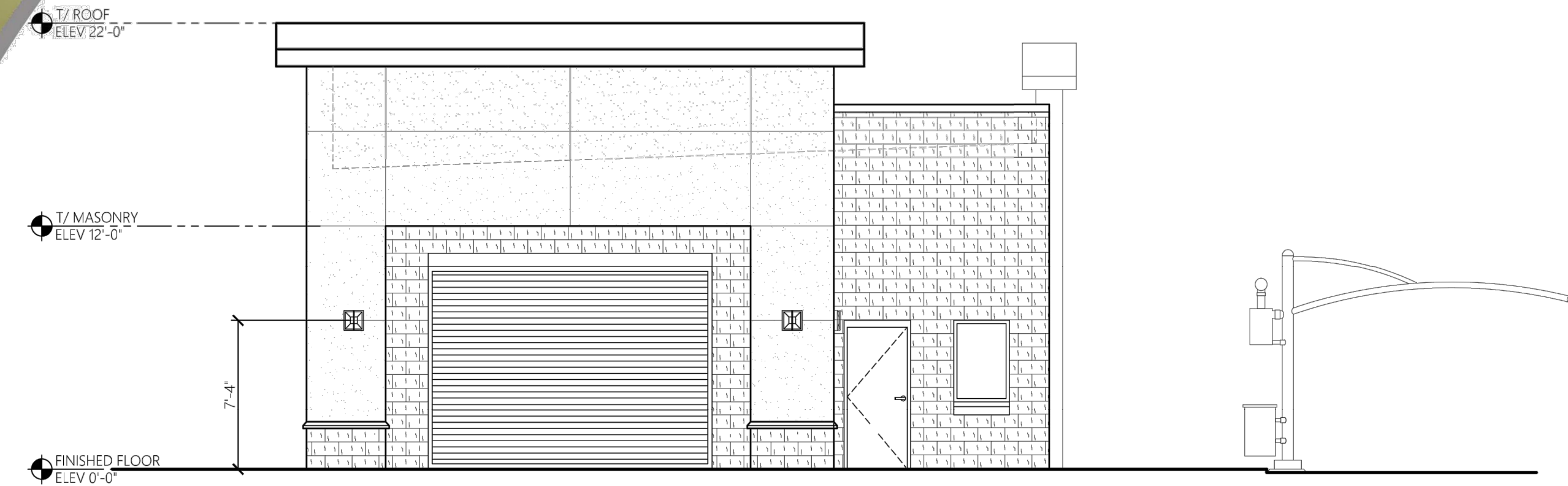


**SOUTH EAST**  
**TAKE 5**  
**CAR WASH**  
 2520 Brunswick Pike  
 Lawrence Township, NJ  
 08648

Underwriters Laboratories Inc. •  
 UL File #E225670

**NO SIGNAGE**  
**PAIN T SCHE ME TO MAT CH**  
**SIM I LAR PA I N T AP P ROA CH ES**  
**NO FA CADE SI GNS**

INITIAL LAYOUT: April 18, 2023  
 REVISIONS: I  
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 III  
 IV  
 V



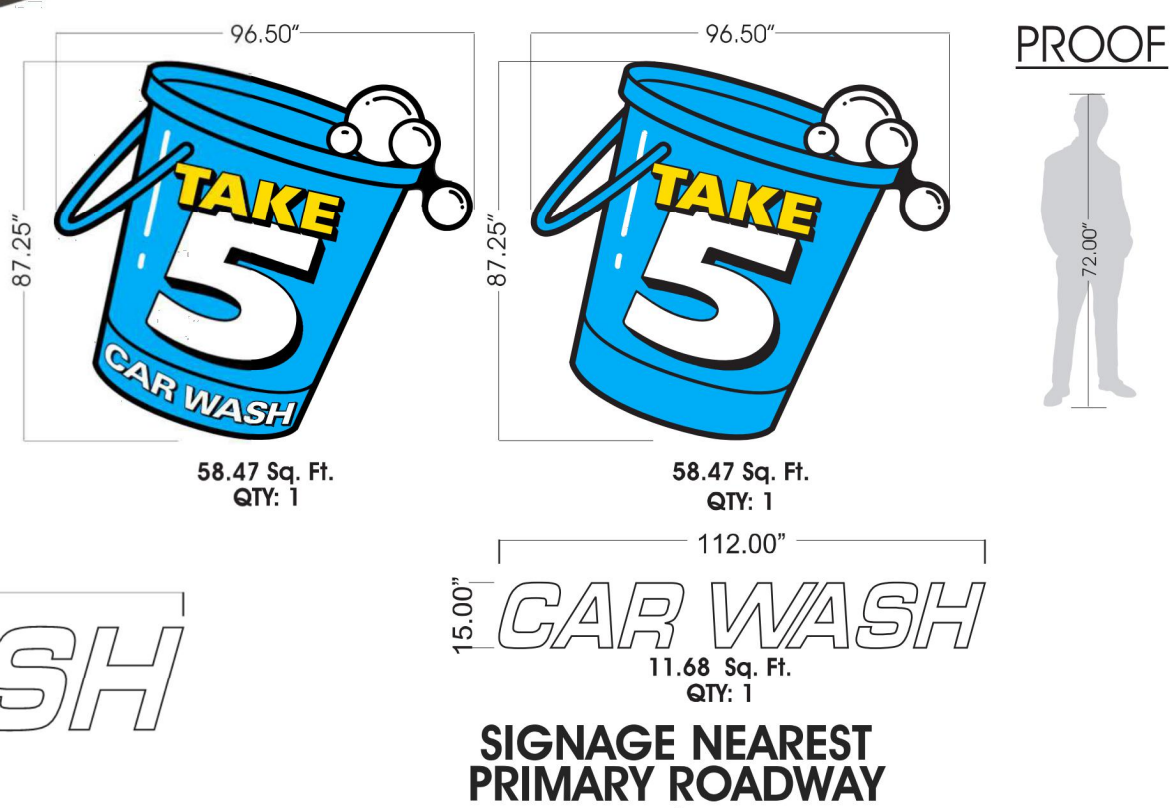
Owner/Landlord Approval \_\_\_\_\_  
**6801 Mount Hermon Church Rd, Ste C, Durham, NC 27705 • (P) 919-552-8689 • (F) 919-557-1322**



**NORTH EAST**  
**TAKE 5**  
**CAR WASH**  
 2520 Brunswick Pike  
 Lawrence Township, NJ  
 08648

Underwriters Laboratories Inc. •  
 UL File #E225670

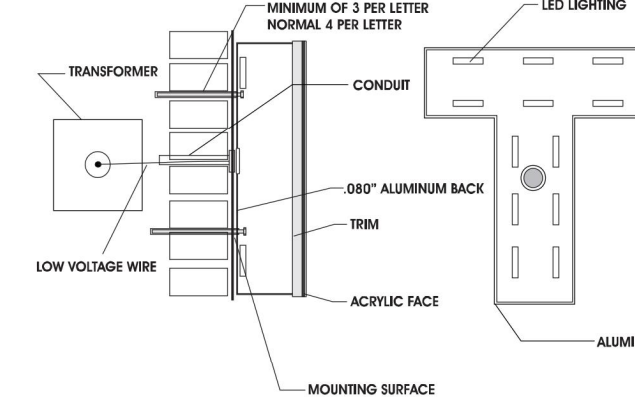
Sq. Ft. Signage: 158.62  
 Signage Allowance: Lawrence Township  
 Zoned HC - Highway Commercial  
 One per building, 5% Facade Area  
 Maximum Sq. Ft.: 112.50 Sq. Ft.  
**EXPECTED TO EXCEED ALLOWANCES**



- Color Key:**
- PMS 2191 C
  - PMS 7691 C
  - PMS 107 C
  - PMS 7625 C
  - Black
  - White

• GENERAL LOCATION OF J-BOXES (BY ELECTRICIAN)  
 • TO BE LOCATED INSIDE BUILDING & ACCESSIBLE FOR HOOKUP TO POWER SUPPLIES.  
 NOTE: IF THE PERMANENT POWER IS NOT RUN BEFORE THE SIGNS ARE INSTALLED, IT IS THE ELECTRICIAN'S RESPONSIBILITY TO MAKE THE FINAL CONNECTIONS WHEN THEY RUN THE LINES

**DETAIL**



**NOTES:**  
 • IF ELECTRICAL LINE/J-BOX IS WITHIN 6' OF ELECTRICAL, CONNECTION TO BE HANDLED BY INSTALLER.  
 • IF NOT ELECTRICAL HANDLED BY OWNER/GC  
 • IF ROOF PENETRATIONS ARE NECESSARY, THEY ARE TO BE SEALED BY A ROOFER. THIS IS HANDLED BY THE GC/OWNER  
 • REMOVAL AND DISPOSAL OF EXISTING WALL SIGNS HANDLED BY GC/OWNER

**SPECIFICATIONS**  
 ILLUMINATED CHANNEL LETTERS  
 Size: As in drawing  
 Trim: 1"  
 Trim Color: Black  
 Return Color: Black  
 Return Depth: 5"  
 Face Color: See above  
 Face: 1/8" Acrylic  
 Letter Interior: Gloss White  
 Illumination: LED  
 Mounting: Studded Letters

Owner/Landlord Approval \_\_\_\_\_  
**6801 Mount Hermon Church Rd, Ste C, Durham, NC 27705 • (P) 919-552-8689 • (F) 919-557-1322**

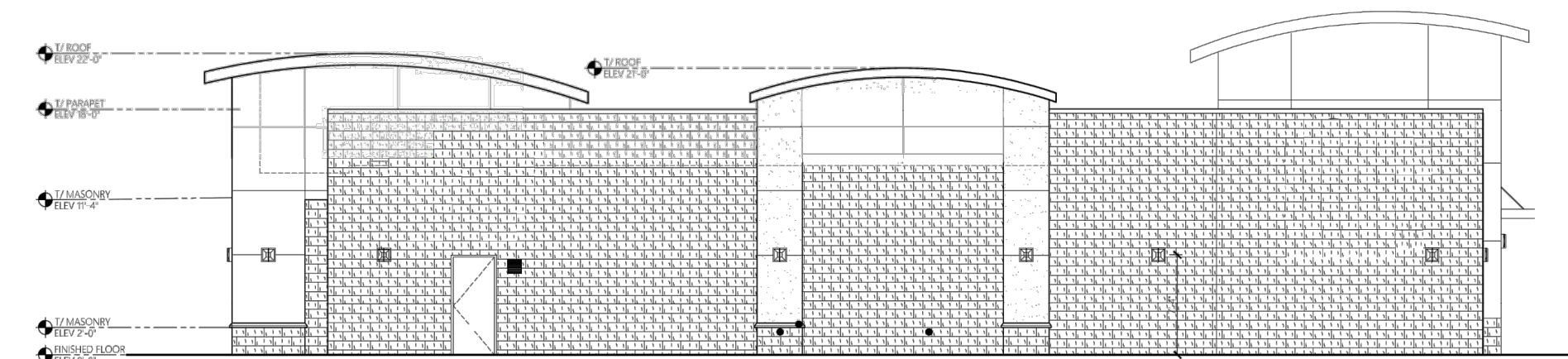


**SOUTH WEST**  
**TAKE 5**  
**CAR WASH**  
 2520 Brunswick Pike  
 Lawrence Township, NJ  
 08648

Underwriters Laboratories Inc. •  
 UL File #E225670

**NO SIGNAGE**  
**PAIN T SCHE ME TO MAT CH**  
**SIM I LAR PA I N T AP P ROA CH ES**  
**NO FA CADE SI GNS**

INITIAL LAYOUT: April 18, 2023  
 REVISIONS: I  
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 V



Owner/Landlord Approval \_\_\_\_\_  
**6801 Mount Hermon Church Rd, Ste C, Durham, NC 27705 • (P) 919-552-8689 • (F) 919-557-1322**



**NOT FOR CONSTRUCTION**

**Pennoni**  
 PENNONI ASSOCIATES INC.  
 515 Grove Street, Suite 1B  
 Haddon Heights, NJ 08035  
 T 856.547.0505 F 856.547.9174  
 NJ COA. NO. GA28033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**CHAD GAULRAPP**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. GE 41350

*Chad Gaulrapp* 04/21/23

**TAKE 5 EXPRESS CAR WASH**  
 2520 BRUNSWICK PIKE  
 LAWRENCE TOWNSHIP, NJ 08648

**SIGNAGE DETAILS**

**BOING US HOLDCO, INC.**  
 440 SOUTH CHURCH STREET, SUITE 700  
 CHARLOTTE, NC 28202

NO.	DATE	REVISIONS	BY

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PROJECT: DRVBR22047  
 DATE: 2023-04-21  
 DRAWING SCALE: AS NOTED  
 DRAWN BY: NC  
 APPROVED BY: CG

PLOTTED: 4/12/2023 12:39 PM BY: Heidi Cummings PROJECT DETAILS: U:\Admin\DRVBR\DRVBR22047 - Take 5 Express Car Wash - Facade\CS6100\_SHEET18.rvt

**GROUND SIGN (POLE)**  
**TAKE 5**  
**CAR WASH**  
 2520 Brunswick Pike  
 Lawrence Township, NJ  
 08648

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 UL File #E225870  
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**Color Key:**  
 ■ PMS 2191 C  
 ■ PMS 107 C  
 ■ Black  
 ■ White

INITIAL LAYOUT: April 18, 2023  
 REVISIONS:  
 I  
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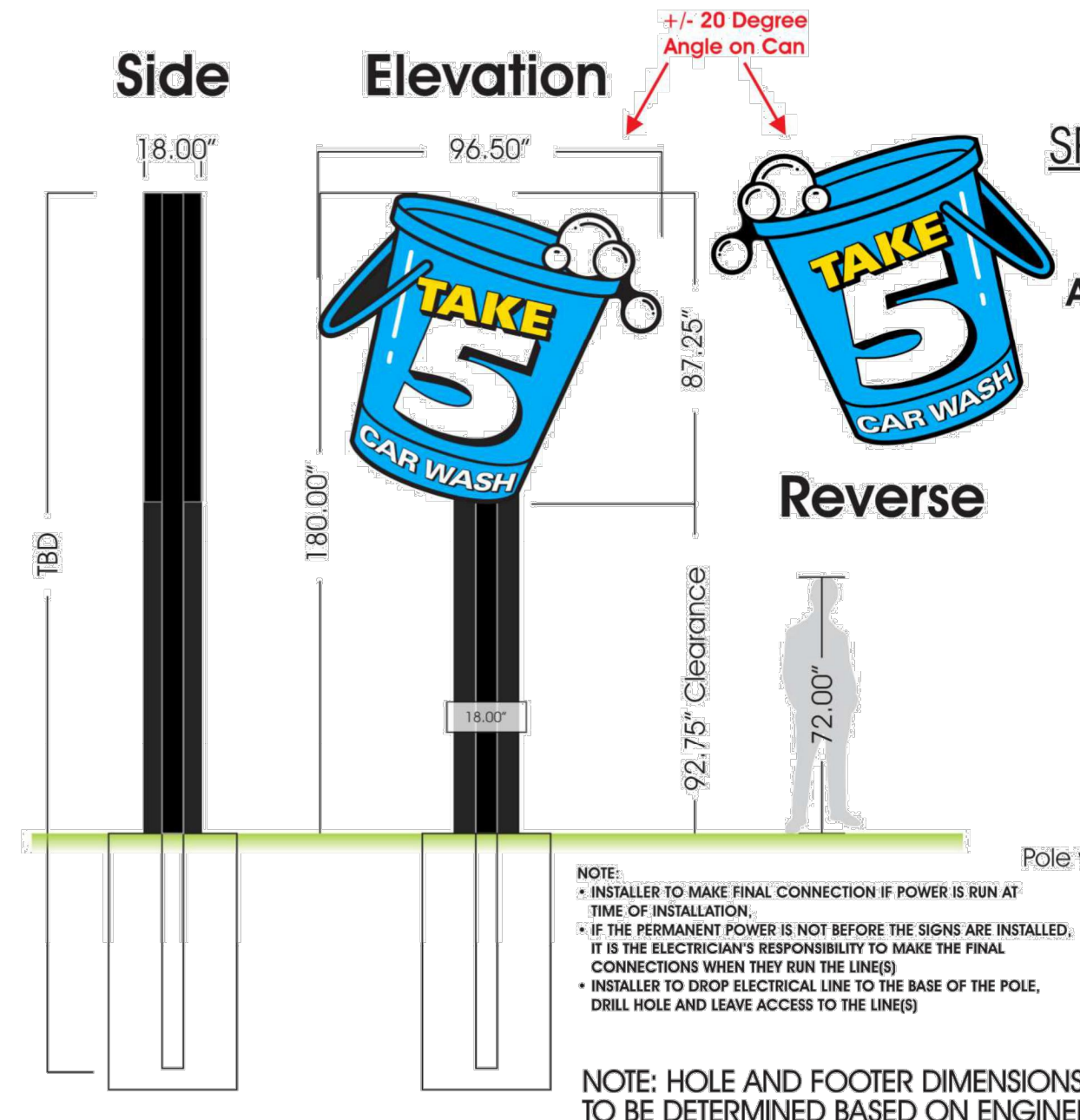
**PROOF**  
 NOTE: ENGINEERING  
 REQUIREMENTS MAY  
 ALTER FOOTER,  
 POLE AND PRICE

Sq. Ft. Signage: 58.47  
 Signage Allowance:  
 Lawrence Township  
 Zoned HC - Highway Commercial  
 Skirting Required  
 Minimum Setback: 15 Ft.  
 from Property Line  
 Maximum Height: 15 Ft.  
 Maximum Sq. Ft.: 120 Sq. Ft.

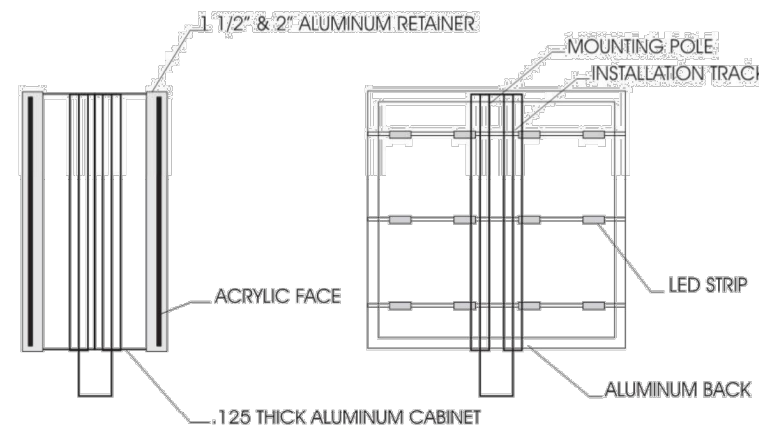
**SPECIFICATIONS**

**DOUBLE-SIDED  
 ILLUMINATED  
 ALUMINUM CABINET**

Size:  
 As in drawing  
 Face Color:  
 As in drawing  
 Vinyl Colors:  
 As in drawing  
 Face  
 Flat  
 Cabinet Interior:  
 Gloss White  
 Cabinet Color:  
 Black  
 Retainer:  
 1.5" & 2.0"  
 Illumination:  
 LED  
 Mounting:  
 Pole w/ concrete footer into earth



**DETAIL**



NOTE:  
 • INSTALLER TO MAKE FINAL CONNECTION IF POWER IS RUN AT TIME OF INSTALLATION.  
 • IF THE PERMANENT POWER IS NOT BEFORE THE SIGNS ARE INSTALLED, IT IS THE ELECTRICIAN'S RESPONSIBILITY TO MAKE THE FINAL CONNECTIONS WHEN THEY RUN THE LINES.  
 • INSTALLER TO DROP ELECTRICAL LINE TO THE BASE OF THE POLE, DRILL HOLE AND LEAVE ACCESS TO THE LINE(S)

NOTE: HOLE AND FOOTER DIMENSIONS/SPECIFICATIONS TO BE DETERMINED BASED ON ENGINEERING

**SIGNS UNLIMITED**  
 communicate your identity

Owner/Landlord Approval \_\_\_\_\_  
 6801 Mount Hermon Church Rd, Ste C, Durham, NC 27705 • (P) 919-552-8689 • (F) 919-557-1322

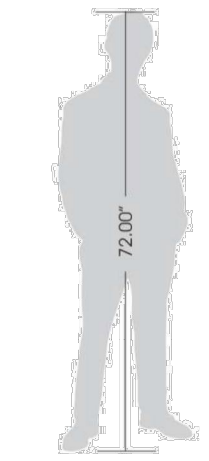
**DIRECTIONAL/WAYFINDING SIGN**  
**TAKE 5**  
**CAR WASH**  
 2520 Brunswick Pike  
 Lawrence Township, NJ  
 08648

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 UL File #E225870  
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INITIAL LAYOUT: April 18, 2023  
 REVISIONS:  
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 II  
 III  
 IV



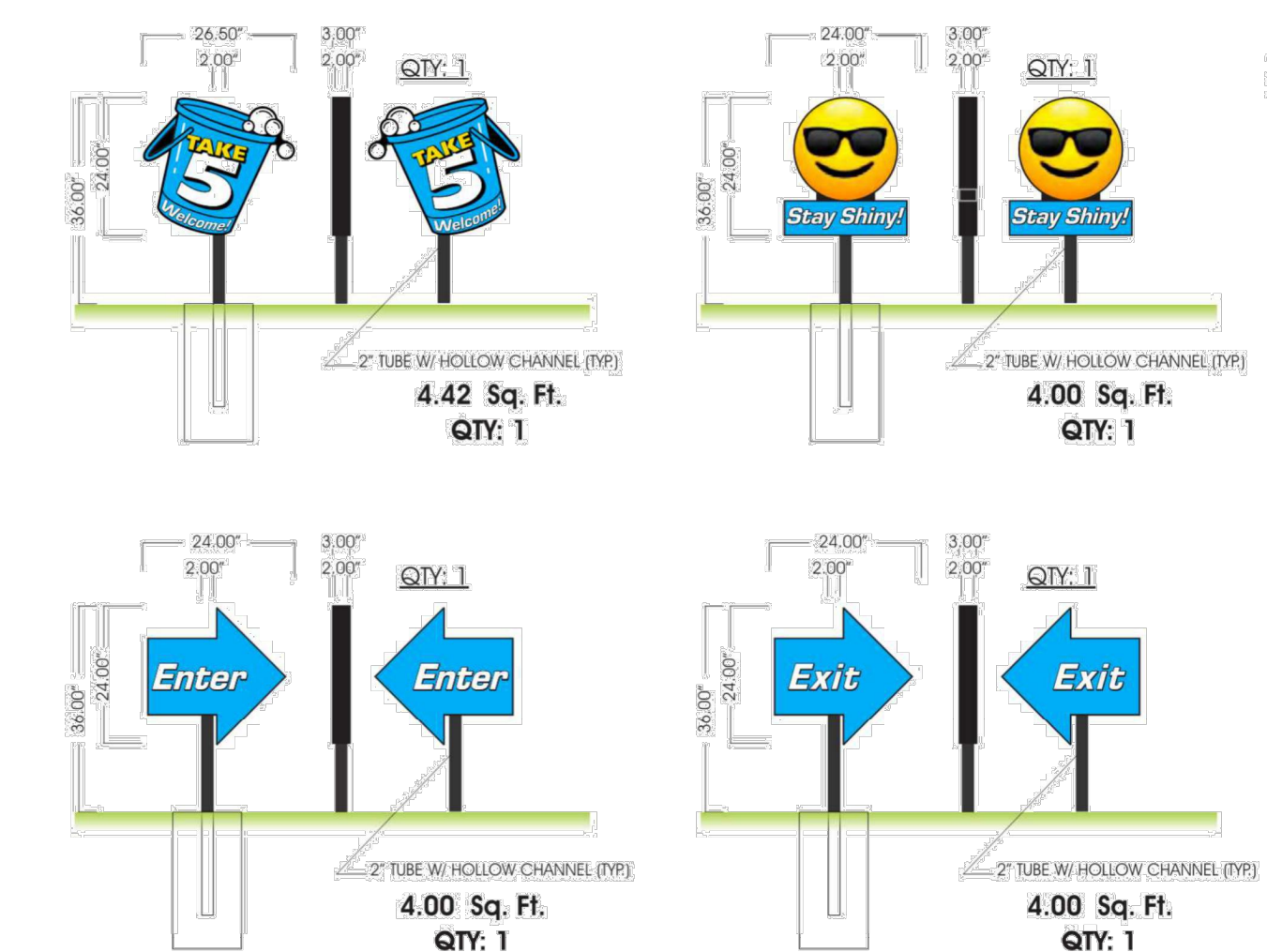
**Color Key:**  
 ■ PMS 2191 C  
 ■ PMS 7691 C  
 ■ PMS 107 C  
 ■ PMS 7625 C  
 ■ Black  
 ■ White



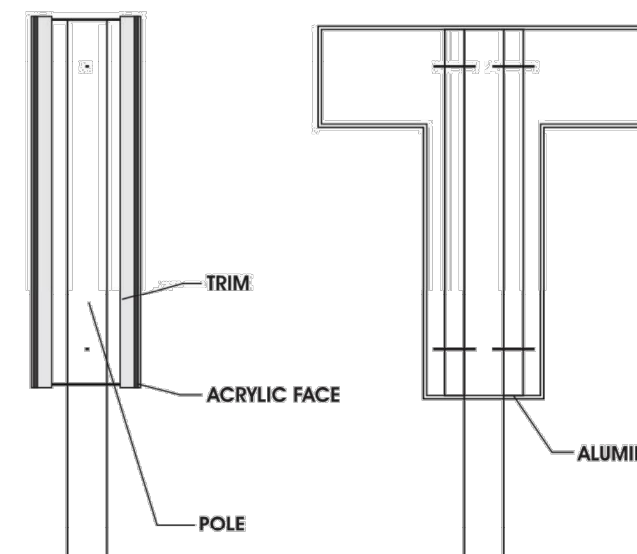
**SPECIFICATIONS**

**NON ILLUMINATED  
 DOUBLE-SIDED  
 POST & CHANNEL**

Size:  
 As in drawing  
 Material:  
 Aluminum square tubing  
 Channel  
 Face Color:  
 As in drawing  
 Trim:  
 1"  
 Trim Color:  
 Black  
 Return Color:  
 Black  
 Return Depth:  
 3"  
 Face:  
 1/8" Acrylic  
 Leg Color:  
 Black  
 Mounting:  
 Into Earth



**DETAIL**



**NOTES:**  
 • HOLES TO BE DUG BY HAND TO AVOID DAMAGING UNMARKED UNDERGROUND LINES  
 • ALL WAYFINDING SIGNS MUST BE REINFORCED WITH CONCRETE

**SIGNS UNLIMITED**  
 communicate your identity

Owner/Landlord Approval \_\_\_\_\_  
 6801 Mount Hermon Church Rd, Ste C, Durham, NC 27705 • (P) 919-552-8689 • (F) 919-557-1322



1 MENU SIGN  
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**Pennoni**  
 PENNONI ASSOCIATES INC.  
 515 Grove Street, Suite 1B  
 Haddon Heights, NJ 08035  
 T 856.547.0505 F 856.547.9174  
 NJ COA. NO. G428033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK  
**CHAD GAULRAPP**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. GE 41350  
*Chad Gaulrapp* 04/21/23

**TAKE 5 EXPRESS CAR WASH**  
 2520 BRUNSWICK PIKE  
 LAWRENCE TOWNSHIP, NJ 08648  
**SIGNAGE DETAILS**  
 BOING US HOLDCO, INC.  
 440 SOUTH CHURCH STREET, SUITE 700  
 CHARLOTTE, NC 28202

NO.	DATE	REVISIONS	BY

PROJECT: DRVBR22047  
 DATE: 2023-04-21  
 DRAWING SCALE: AS NOTED  
 DRAWN BY: NC  
 APPROVED BY: CG

**CS6101**  
 SHEET 19 OF 19

**NOT FOR CONSTRUCTION**

PLOTTED: 01/23/2023 12:31 PM BY: Heidi Cummings PLOTTED: Pensoft MCLabs PROJECT STATUS: U:\Account\DRVBR\DRVBR22047 - Take 5 Express Car Wash - Furniture\CS6101.dwg