



CONSTRUCTION DRAWINGS FOR **BIG BOX, LLC** COMMERCIAL SITE DEVELOPMENT POPLAR BRANCH TOWNSHIP CURRITUCK COUNTY NORTH CAROLINA

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- GENERAL NOTES:**
- PROJECT NAME: BIG BOX, LLC
 - OWNER/APPLICANT: BIG BOX, LLC
1197 DUCK RD.
DUCK, NC 27949
 - PROPERTY DATA:
PARCEL ID#: 0125-000-0001-0000
ADDRESS: CARATOKE HWY, HARBINGER, NC 27941
RECORDED REFERENCES: D.B. 1554, PG. 578; P.C. E, SL. 229
PROPERTY ZONING: SPLIT - GB @ FRONT, SFM @ REAR
 - F.I.R.M. DATA:
THE SUBJECT PROPERTY IS LOCATED IN F.I.R.M. ZONE "X". REFERENCE F.I.R.M. PANEL # 3720984600K & 3720984700K, EFFECTIVE DATE DECEMBER 21, 2018.
 - USE DATA:
PROPOSED PROPERTY MANAGEMENT OFFICES AND OPERATIONS REQUIRES A ZONING COMPLIANCE PERMIT IN THE GB DISTRICT
 - LOT COVERAGE (BUA):
• TOTAL PARCEL AREA: 503,970 SF± (11.57 AC.±)
• PARCEL AREA ZONED GB: 56,174 SF± (1.29 AC.)

• PROPOSED IMPERVIOUS AREA:
BUILDING UNDER ROOF: 9,608 SF
CANOPY ROOF: 2,322 SF
CONCRETE PARKING: 12,579 SF
CONCRETE PADS: 205 SF
SIDEWALK: 807 SF
GRAVEL DRIVE: 1,711 SF
TOTAL: 27,232 SF (48.48% OF PROPERTY ZONED GB)
 - TOTAL PROPOSED DISTURBED AREA: 1.50 AC.
 - PARKING:
• REQUIRED:
OFFICE SPACE: 1 SPACE/300 SF = 3,003/300 = 10.01 SPACES
OPERATION SPACE: 1 SPACE/1000 SF = 5,198/1000 = 5.20 SPACES
TOTAL = 15.21 SPACES
• PROVIDED:
(15) SPACES, INCLUDING (1) A.D.A. SPACE
 - UTILITIES:
• WATER SERVICE TO BE PROVIDED BY CURRITUCK COUNTY MAINLAND WATER SYSTEM.
• WASTEWATER TREATMENT AND DISPOSAL TO BE PROVIDED ON SITE, PER ARHS.
• ALL UTILITIES ARE TO BE INSTALLED UNDERGROUND.
 - ALL SIGNAGE SHALL COMPLY WITH COUNTY STANDARDS AS PRESCRIBED UNDER 5.12 OF THE U.D.O. A SEPARATE SIGNAGE PLAN MAY BE REQUIRED FOR APPROVAL PRIOR TO INSTALLATION.
 - ATLANTIC ENVIRONMENTAL CONSULTANTS, LLC CONDUCTED AN EVALUATION ON 1/31/2025 AND DETERMINED THE SITE DOES NOT MEET THE CRITERIA OF JURISDICTIONAL WETLANDS UNDER Section 404 of the Clean Water Act.
 - EXISTING SITE CONDITIONS ARE BASED ON A COMBINATION OF THE FOLLOWING:
• FIELD SURVEY DATA OBTAINED BY BISSELL PROFESSIONAL GROUP
• 2020 AERIAL IMAGERY OBTAINED FROM NCONMAP.COM
• LIDAR DATA OBTAINED FROM 500.NC.GOV
• ELEVATIONS ARE REFERENCED TO NAVD 1988 VERTICAL DATUM

THE FOLLOWING PERMITS ARE REQUIRED PRIOR TO PROJECT CONSTRUCTION:

PERMIT	AGENCY	REFERENCE NUMBER	DATE OF ISSUANCE
SEDIMENTATION AND EROSION CONTROL PERMIT	N.C.D.E.Q. - DIVISION OF LAND RESOURCES		
STORMWATER MANAGEMENT PERMIT	N.C.D.E.Q. - DIVISION OF LAND RESOURCES		
DRIVEWAY PERMIT	N.C.D.O.T.		
ENCROACHMENT AGREEMENT	N.C.D.O.T.		
CURRITUCK COUNTY CONSTRUCTION AUTHORIZATION	CURRITUCK COUNTY PLANNING STAFF		

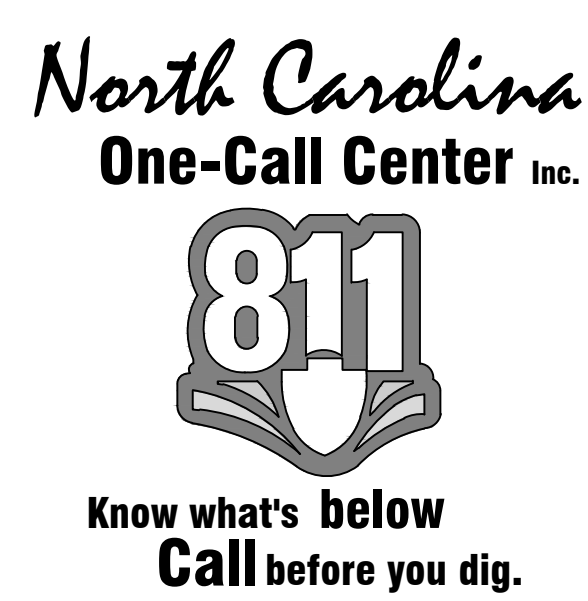
**FINAL DRAWING
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CONSTRUCTION**

STORMWATER CERTIFICATE

I, _____ OWNER/AGENT HEREBY CERTIFY THE INFORMATION INCLUDED ON THIS AND ATTACHED PAGES IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

ON THE PLAN ENTITLED, CONSTRUCTION DRAWINGS FOR BIG BOX, LLC - GRADING, DRAINAGE AND STORMWATER MANAGEMENT PLAN, STORMWATER DRAINAGE IMPROVEMENTS SHALL BE INSTALLED ACCORDING TO THESE PLANS AND SPECIFICATIONS AND APPROVED BY CURRITUCK COUNTY. YEARLY INSPECTIONS ARE REQUIRED AS PART OF THE STORMWATER PLAN. THE OWNER IS RESPONSIBLE FOR ALL MAINTENANCE REQUIRED. CURRITUCK COUNTY ASSUMES NO RESPONSIBILITY FOR THE DESIGN, MAINTENANCE, OR PERFORMANCE OF THE STORMWATER IMPROVEMENTS.

DATE _____ OWNER/AGENT _____



SURVEY LEGEND

SCM	SET CONCRETE MONUMENT
ECM	EXISTING CONCRETE MONUMENT
SR	SET IRON ROD
ER	EXISTING IRON ROD
EP	EXISTING IRON PIPE
CP	CALCULATED POINT
M.B.L.	MAXIMUM BUILDING LIMIT
N.T.S.	NOT TO SCALE
P.C.	PLAT CABINET
D.B.	DEED BOOK
SL	SLIDE
SF	SQUARE FEET
AC	ACRES

PLAN LEGEND

---	ROADWAY CENTERLINE
---	RIGHT-OF-WAY
---	PROPERTY BOUNDARY
---	ADJOINING PROPERTY LINE
---	EXISTING DITCH CENTERLINE
---	EXISTING DITCH TOP OF BANK
---	PROPOSED SWALE W/ FLOW ARROW
---	PROPOSED SWALE HIGH POINT
---	EXISTING DITCH TO BE FILLED
---	FEMA BOUNDARY LINE
---	EXISTING GRADE CONTOUR
---	PROPOSED GRADE CONTOUR
---	EXISTING SPOT GRADE
---	PROPOSED SPOT GRADE
---	EXISTING CULVERT
---	PROPOSED CULVERT
---	PROPOSED DRAINAGE STRUCTURE
---	EXISTING WATER LINE
---	PROPOSED WATER LINE (SIZE AS NOTED)
---	PROPOSED FIRE HYDRANT ASSEMBLY
---	PROPOSED WATER SERVICE
---	PROPOSED VALVE
---	PROPOSED SEWER COLLECTION MAIN
---	PROPOSED SEWER MANHOLE
---	PROPOSED LIMITS OF DISTURBANCE
---	PROPOSED SILT FENCE
---	PROPOSED INLET PROTECTION
---	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
---	PROPOSED TEMPORARY CHECK DAM

SOILS LEGEND

SOILS LINE	SOILS LINE
---	CnA CONETOE LOAMY SAND
---	No NIMMO LOAMY SAND

NOTE:
EXISTING SITE INFORMATION DESCRIBED HEREON IS BELIEVED TO BE ACCURATE. HOWEVER, BIG INC. MAKES NO WARRANTY AS TO THE ACCURACY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THIS INFORMATION BEFORE RELYING ON IT. THE CONTENT OF THESE DOCUMENTS MAY ALSO INCLUDE TECHNICAL INACCURACIES OR TYPOGRAPHICAL ERRORS. IF SUCH CONDITIONS EXIST, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER PRIOR TO PROCEEDING WITH THE SCHEDULED WORK AND MAY CONTINUE AFTER AN AUTHORIZATION TO PROCEED HAS BEEN GRANTED.

BISSELL PROFESSIONAL GROUP
Engineers, Planners, Surveyors and Environmental Specialists

BIG BOX, LLC
CURRITUCK
HARBINGER
NORTH CAROLINA

COMMERCIAL SITE DEVELOPMENT PLAN

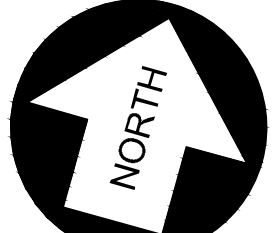
COVER SHEET, PROJECT NOTES & SITE LOCATION

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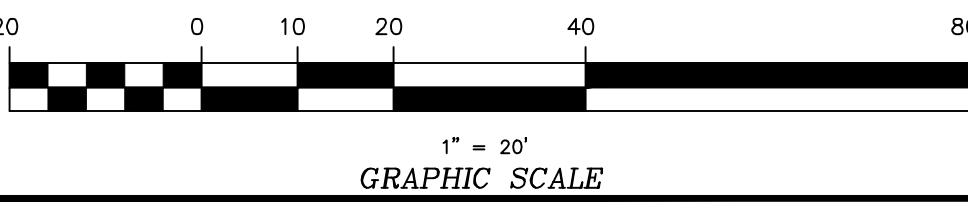
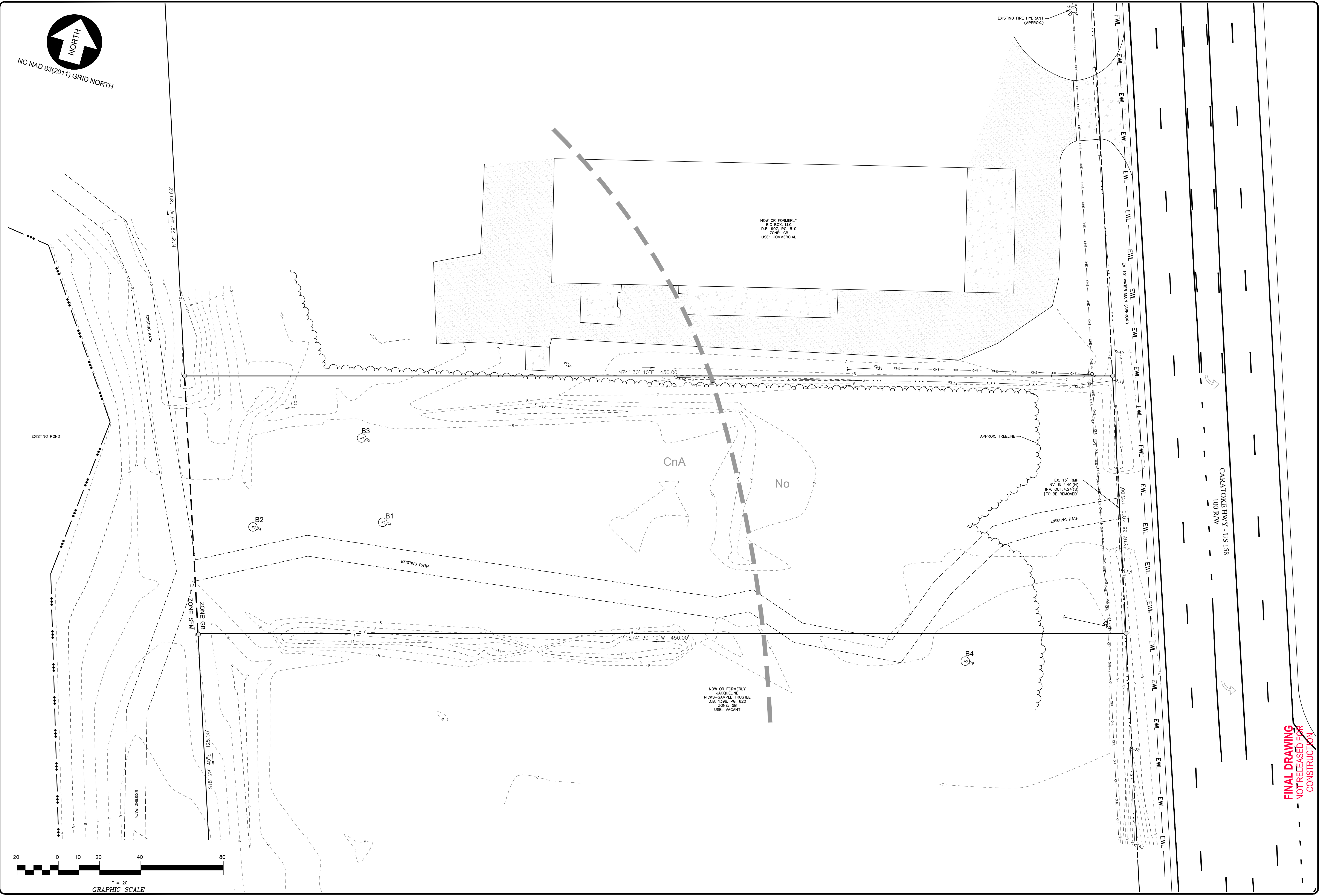
NO.	DATE	DESCRIPTION	BY

DATE: 1-13-25 SCALE: N/A
DESIGNED: BPG CHECKED: MSB
DRAWN: DMK APPROVED: DMK

SHEET: 1 OF 10
CAD FILE: 486900B1
PROJECT NO: 4869



NC NAD 83(2011) GRID NORTH



BISSELL
PROFESSIONAL GROUP
Engineers, Planners, Surveyors
and Environmental Specialists

Bissell Professional Group
Firm License # 0-96
10000 Highway
P.O. Box 1088
Charlotte, North Carolina 27949
(252) 201-2085
(252) 201-2086
FAX (252) 201-1760

**EXISTING SITE CONDITIONS
& FEATURES MAP**

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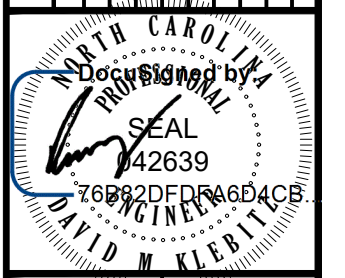
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CURRITUCK
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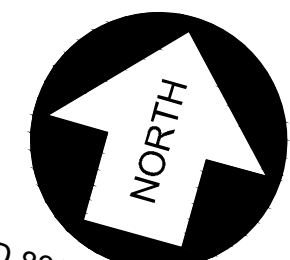
COMMERCIAL SITE DEVELOPMENT PLAN

REVISIONS		DATE		DESCRIPTION	
NO.	DATE	BY	DESCRIPTION	NO.	DATE

DATE: 1-13-25	SCALE: 1"=20'
DRAWN: BPG	CHECKED: MSB
APPROVED: DMK	DATE: 1-13-25
SHEET: 2 OF 10	
CAD FILE: 486900B1	
PROJECT NO: 4869	

FINAL DRAWING
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NC NAD 83(2011) GRID NORTH

NOW OR FORMERLY
BIG BOX, LLC
D.B. 907, PG. 910
ZONE: CB
USE: COMMERCIAL

NOW OR FORMERLY
MACQUELINE
RICKS-SAMPLE TRUSTEE
D.B. 1398, PG. 620
ZONE: CB
USE: VACANT

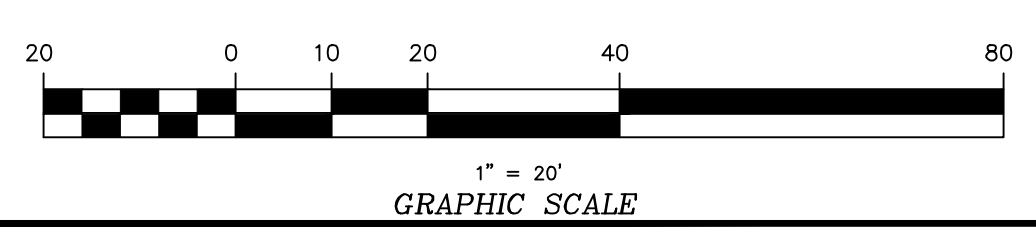
EXISTING TREES AND VEGETATION TO
REMAIN TO THE EXTENT PRACTICABLE

EXISTING TREES AND VEGETATION TO
REMAIN TO THE EXTENT PRACTICABLE

(13) EVERGREEN
SHRUBS @ 8' O.C.

(10) SHRUBS @ 5' O.C.
50% SHALL BE EVERGREEN

(9) EVERGREEN
SHRUBS @ 7' O.C.



- SITE LANDSCAPING (5.2.4)**
- REQUIREMENTS:
 - (2) CALIPER INCHES OF CANOPY TREES PER ACRE.
 - (1) SHRUB PER EACH 5 FEET OF BUILDING FACADE FACING A STREET.
 - AT LEAST ONE-HALF OF SHRUBS SHALL BE EVERGREEN.
 - PROVISIONS:
 - THE AREA OF THIS PROJECT IS APPROX. 1.29 ACRES REQUIRING (2.6) AGGREGATE CALIPER INCHES OF CANOPY TREE. SEE PLAN FOR (7) CANOPY TREES PROPOSED ACROSS THE SITE PROVIDING (14) AGGREGATE CALIPER INCHES.
 - THE PROPOSED BUILDING FACADE FACING CARATOKE HWY EXTENDS 50', REQUIRING (10) SHRUBS. SEE PLAN FOR A TOTAL OF (10) SHRUBS PROPOSED ALONG THE FRONT BUILDING FACADE. 50% ARE NOTED AS EVERGREEN.
- VEHICULAR USE AREA LANDSCAPING (5.2.5)**
- REQUIREMENTS:
 - SHADING - NO PARKING SPACE TO BE MORE THAN 60' FROM THE TRUNK OF A CANOPY TREE
 - PERIMETER LANDSCAPING STRIPS COMPOSED OF:
 - SHRUBS @ 5 FT ON-CENTER ALONG ABUTTING STREET R/W OR OTHER DEVELOPMENT, SHRUBS @ 8 FT ON-CENTER ABUTTING VACANT LAND.
 - ALL SHRUBS MUST BE EVERGREEN.
 - NO PERIMETER LANDSCAPING STRIP IS REQUIRED ALONG THE NORTHERN SIDE OF THE PARKING AREA THAT FACES AN EXISTING PARKING AREA ON THE ADJOINING COMMERCIAL DEVELOPED PROPERTY TO THE NORTH.
 - PROVISIONS:
 - SHADING - SEE PLAN FOR (3) CANOPY TREES PROPOSED THROUGHOUT THE VEHICLE USE AREA AND LOCATED WITHIN 60' OF ALL PARKING SPACES.
 - PERIMETER LANDSCAPING STRIPS COMPOSED OF:
 - SEE PLAN FOR (4) EVERGREEN SHRUBS SPACED @ 5' O.C. ALONG ABUTTING R/W AND (13) EVERGREEN SHRUBS SPACED @ 8' O.C. ALONG ABUTTING VACANT LAND.
- PERIMETER LANDSCAPE BUFFERS (5.2.6)**
- THE SITE AND ADJOINING PROPERTIES ARE ZONED OB, THEREFORE, PERIMETER LANDSCAPE BUFFERS ARE NOT REQUIRED.
- SCREENING (5.2.7)**
- REQUIREMENTS:
 - REFUSE DUMPSTERS SHALL BE SCREENED WITH APPROVED METHODS
 - LOADING BAYS & DOCKS SHALL BE SCREENED WITH APPROVED METHODS
 - PROVISIONS:
 - SEE PLAN AND TYPICAL DETAIL FOR OPAQUE SCREENING ENCLOSURE OF PROPOSED DUMPSTER.
 - SEE PLAN FOR (1) CANOPY TREE + (2) UNDERSTORY TREES + (13) SHRUBS PROPOSED AROUND LOADING AREA.
- STREETSCAPE (5.2.8)**
- REQUIREMENTS: [PER SITES ACCESSED FROM MAJOR ARTERIAL, TABLE 5.2.8]
 - PROPERTY MANAGEMENT OFFICES AND OPERATIONS IS AN INDUSTRIAL USE
 - (10) AGGREGATE CALIPER INCHES OF CANOPY TREES PER 100 LINEAR FEET.
 - (6) AGGREGATE CALIPER INCHES OF UNDERSTORY TREES PER 100 LINEAR FEET
 - (15) SHRUBS PER 100 LINEAR FEET
 - PROVISIONS:
 - PROPERTY FRONTAGE FACING CARATOKE HWY EXTENDS 125', REQUIRING:
 - (12.5) ACI OF CANOPY TREES
 - (7.5) ACI OF UNDERSTORY TREE
 - (18.75) SHRUBS
 - SEE PLAN FOR (7) PROPOSED CANOPY TREES + (5) PROPOSED UNDERSTORY TREES AND (19) PROPOSED SHRUBS LOCATED WITHIN 100' OF CARATOKE HWY R/W.

- TREE & SHRUB SPECIES AND PLANTING GUIDELINES:**
- ALL TREES AND SHRUBS SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANTING STANDARDS SPECIFIED IN SECTION 3.5 OF THE CURRITUCK COUNTY ADMINISTRATIVE MANUAL AND THIS PLAN.
- CANOPY AND UNDERSTORY TREE SPECIES SHALL BE OF THOSE LISTED UNDER "TABLE 3.4.6; RECOMMENDED PLANTINGS" IN THE SAME MANUAL.
 - TREE SPECIES SHALL BE DIVERSE; A MINIMUM OF (2) DIFFERENT SPECIES OF CANOPY TREES AND UNDERSTORY TREES SHALL BE INSTALLED IN ROUGHLY EQUAL PROPORTIONS.
 - AT INSTALLATION, CANOPY TREES SHALL HAVE A MINIMUM CALIPER OF 2 INCHES, MEASURED AT 6 INCHES ABOVE GRADE. EIGHT FOOT HIGH TREES MAY BE PLANTED AS AN ALTERNATIVE.
 - AT INSTALLATION, UNDERSTORY TREES SHALL HAVE A MINIMUM CALIPER OF 1.5 INCHES, MEASURED AT 6 INCHES ABOVE GRADE. EIGHT FOOT HIGH TREES MAY BE PLANTED AS AN ALTERNATIVE.
 - SHRUBS SHALL BE PLANTED AT THE SPACING NOTED ON THE PLANS AND FORM A VISUAL SCREEN WITH A MIN. MATURE HEIGHT OF 36". SHRUBS SHALL BE EVERGREEN AS NOTED AND BE A MINIMUM (3) GALLON SIZE AT PLANTING.
 - THE USE OF NATIVE, DROUGHT TOLERANT TREES AND SHRUBS IS ENCOURAGED.
 - MATERIALS SHALL BE OF HIGH-QUALITY NURSERY GRADE.
 - A REPUTABLE LANDSCAPE CONTRACTOR OR SUPPLIER SHALL PREPARE AN ITEMIZED SCHEDULE OF TREES TO BE INSTALLED IN ACCORDANCE WITH THIS LANDSCAPE PLAN. THIS SCHEDULE SHALL BE REVIEWED BY CURRITUCK COUNTY AND THE ENGINEER TO DETERMINE COMPLIANCE BEFORE ORDERING AND INSTALLATION. ALTERNATE TREES AND SPECIFICATIONS MAY BE PRESENTED FOR REVIEW AND APPROVAL.
- FENCE AND WALL GUIDELINES:**
- ALL FENCES AND WALLS SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS SPECIFIED IN SECTIONS 5.2.7.D.(3) & 5.3 OF THE CURRITUCK COUNTY UDO AND THIS PLAN.
 - THE FENCE SHALL BE OF SOLID CONSTRUCTION AND NOT EXCEED OR FALL SHORT OF THE HEIGHT PRESCRIBED ON THIS APPROVED PLAN.
 - OPAQUE FENCES SHALL BE CONSTRUCTED OF TREATED OR ROT-RESISTANT WOOD, OR A PLASTIC IR VINYL FENCE DESIGNED TO LOOK LIKE AN OPAQUE WOODEN FENCE.
 - BARBED WIRE, CONCRETE WIRE AND ABOVE GROUND ELECTRIFIED FENCES ARE PROHIBITED.
 - USE OF CHAIN LINK FENCING WITH WOODEN OR PLASTIC SLATS SHALL BE LIMITED TO ACCESS GATES ONLY.
 - FENCING ALONG A MAJOR ARTERIAL ROADWAY SHALL BE INSTALLED WITH THE "FINISHED" SIDE FACING THE ROADWAY.
 - ALL FENCING OR WALL SEGMENTS LOCATED ALONG A SINGLE LOT SIDE SHALL BE COMPOSED OF A UNIFORM STYLE AND COLORS COMPATIBLE WITH OTHER PARTS OF THE FENCE.
 - FENCING SHALL BE DESIGNED AND INSTALLED BY A REPUTABLE FENCE CONTRACTOR.

LANDSCAPING LEGEND	
	PROPOSED SCREENING FENCE
	PROPOSED CANOPY TREE
	PROPOSED UNDERSTORY TREE
	PROPOSED SHRUB

LIGHTING LEGEND	
	LED WALL PACK FIXTURE RAB MODEL WPLD10 MOUNT HEIGHT - 9' AFF (INSTALL DOWNWARD FACING)
	LED WALL CYLINDER FIXTURE LITHONIA LIGHTING MODEL 0LWJ LED P1 40K MVOLT (FIXTURES UNDER ROOF)
	FOOT-CANDLES @ GROUND

BISSELL PROFESSIONAL GROUP
 Firm License # 05-96
 P.O. Box 1088
 27015 Carolina Highway
 27015-1088
 (252) 201-3066
 FAX (252) 201-1760

BIG BOX, LLC
 CURRITUCK
 HARRINGER
 NORTH CAROLINA

COMMERCIAL SITE DEVELOPMENT PLAN

PROJECT NO. 4869

CAD FILE: 486900B1

SHEET: 6 OF 10

DATE: 1-13-25 SCALE: 1"=20'

DESIGNED: BPG CHECKED: MSB

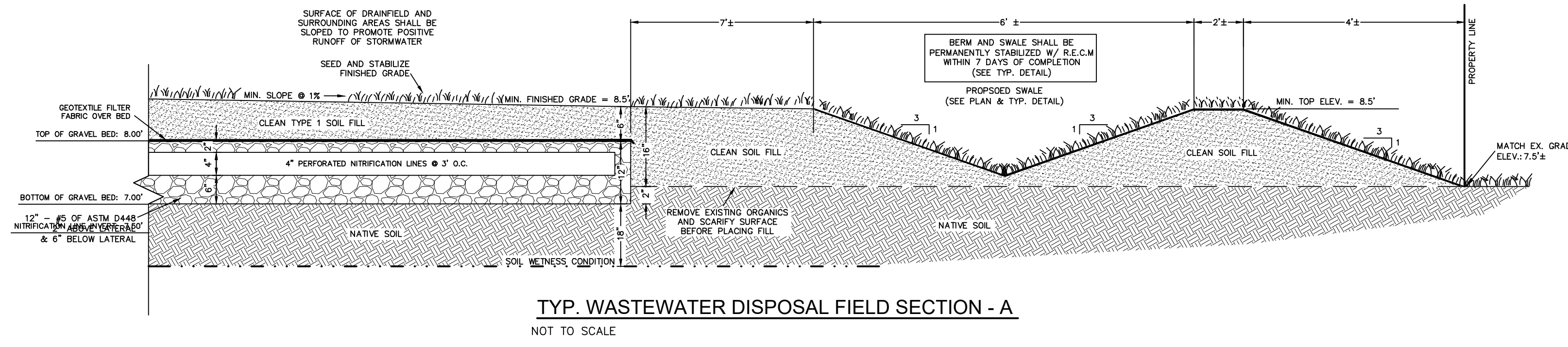
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REVISIONS:

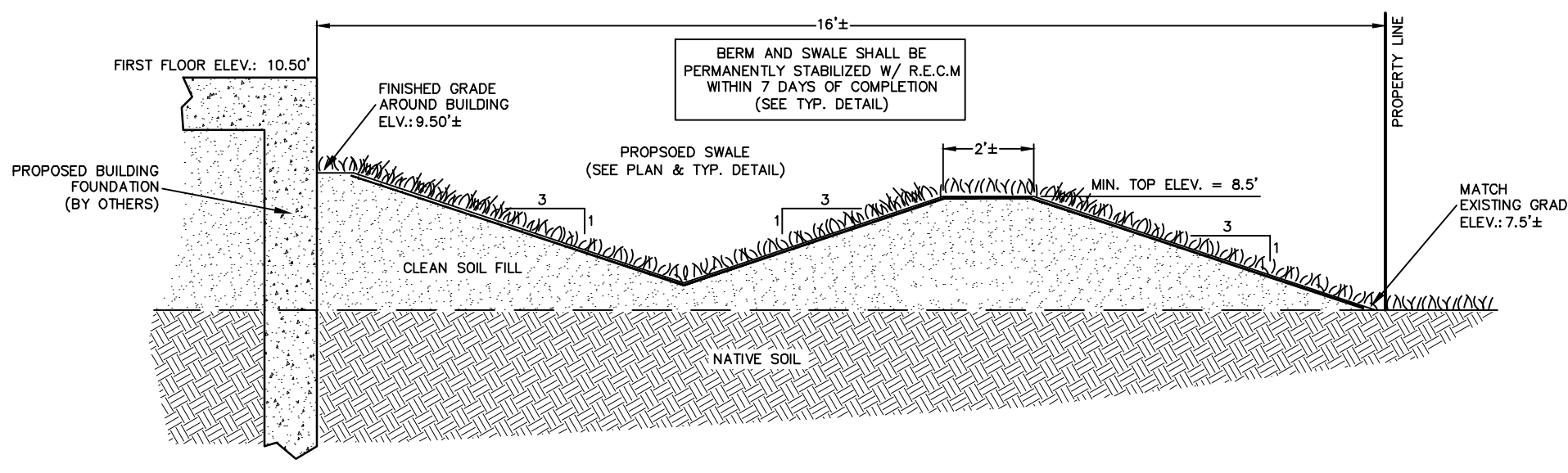
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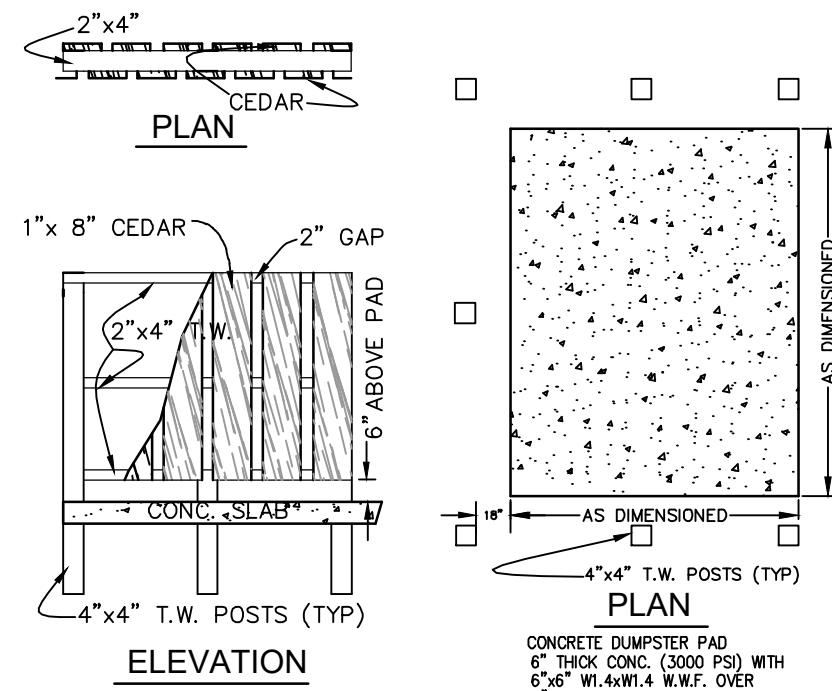
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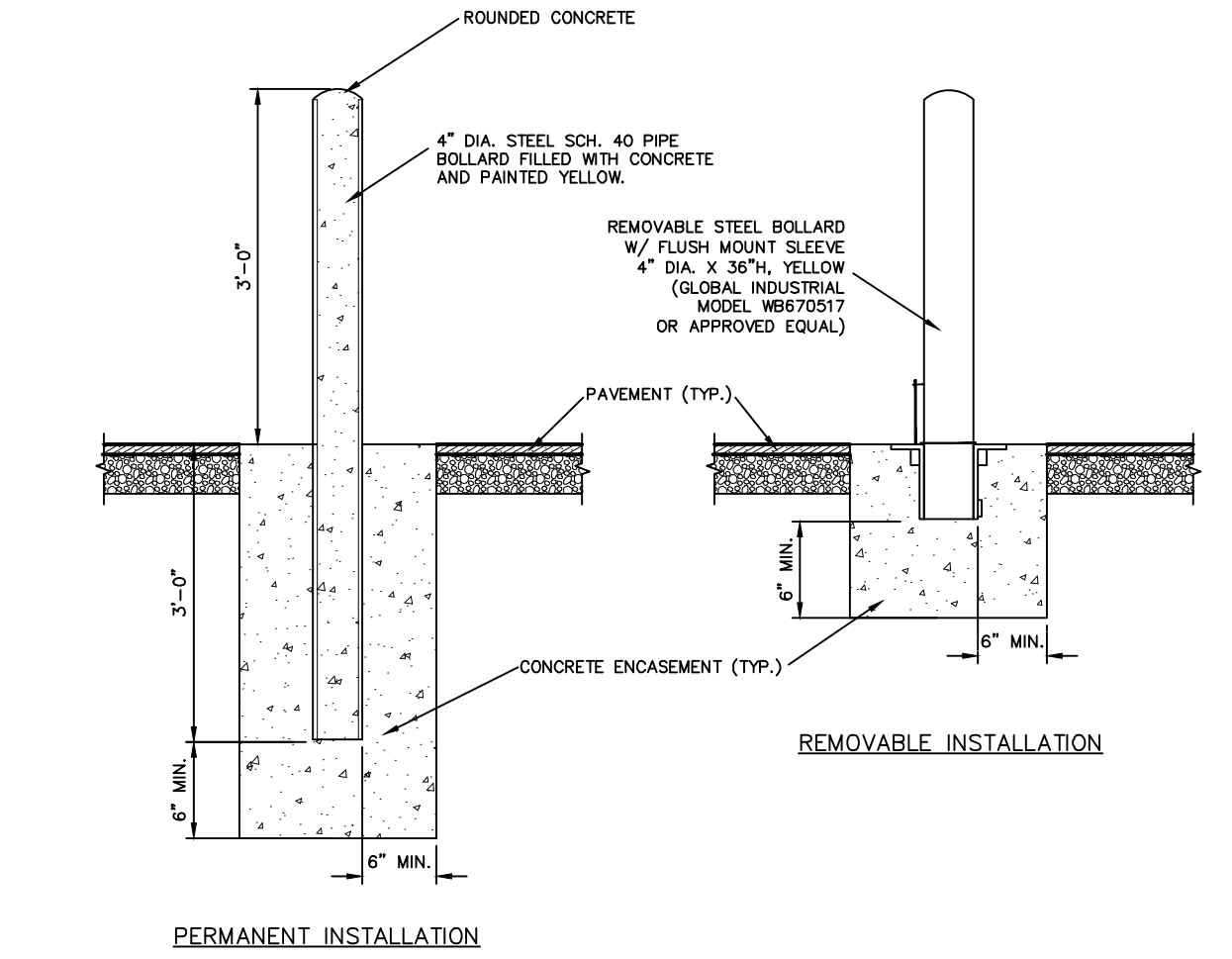
TYP. WASTEWATER DISPOSAL FIELD SECTION - A
NOT TO SCALE



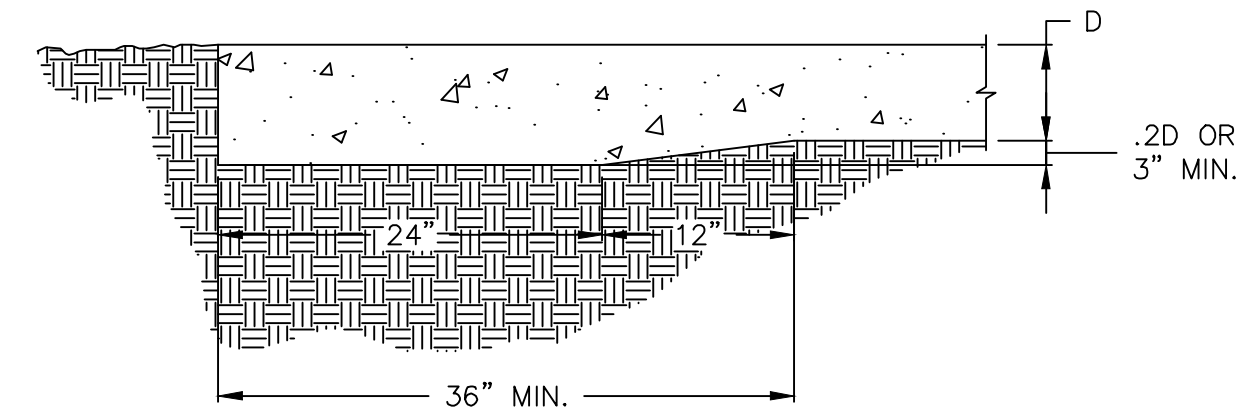
TYPICAL SECTION - B
NOT TO SCALE



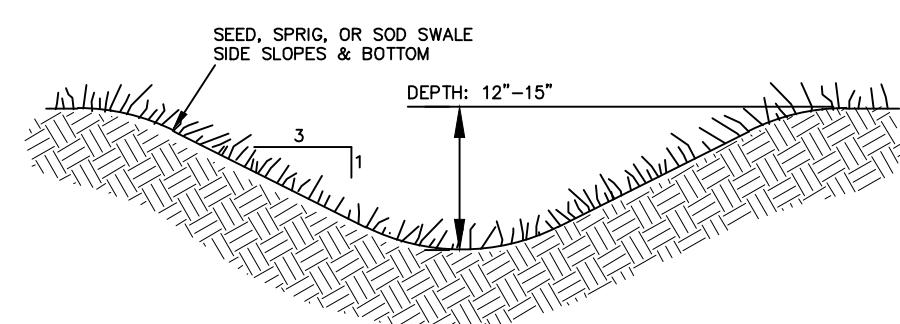
CONCRETE DUMPSTER PAD WITH ENCLOSURE
NOT TO SCALE



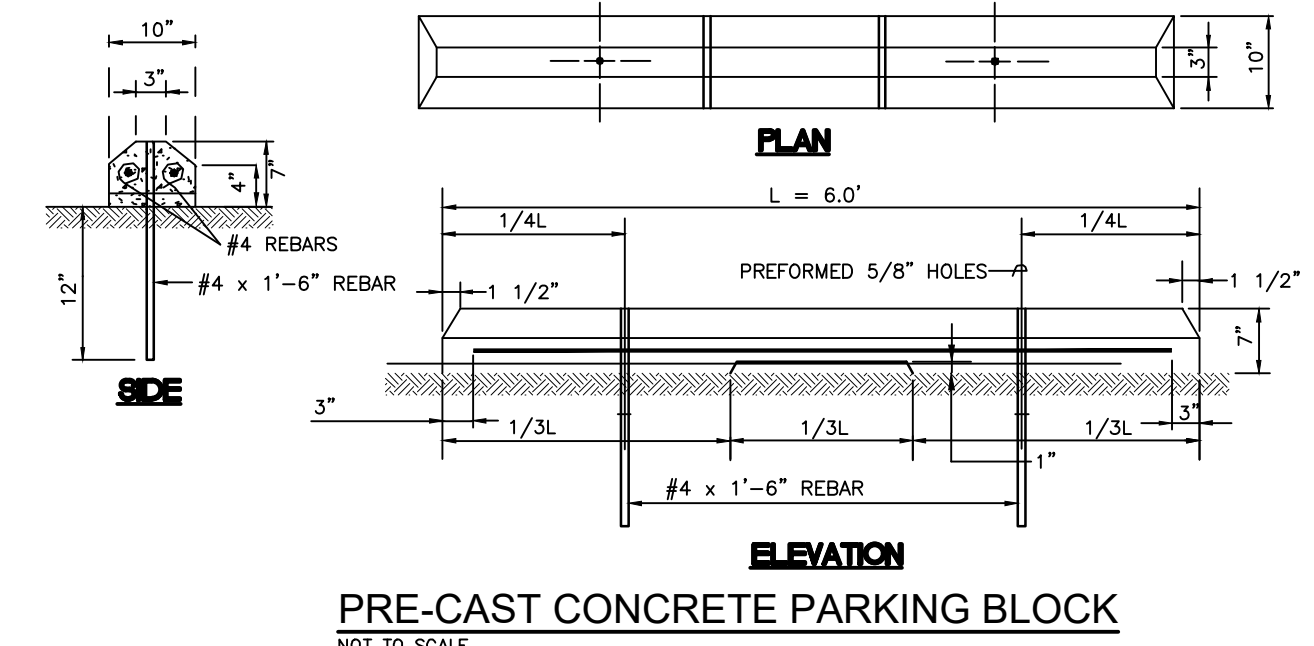
TYPICAL BOLLARD DETAIL
NOT TO SCALE



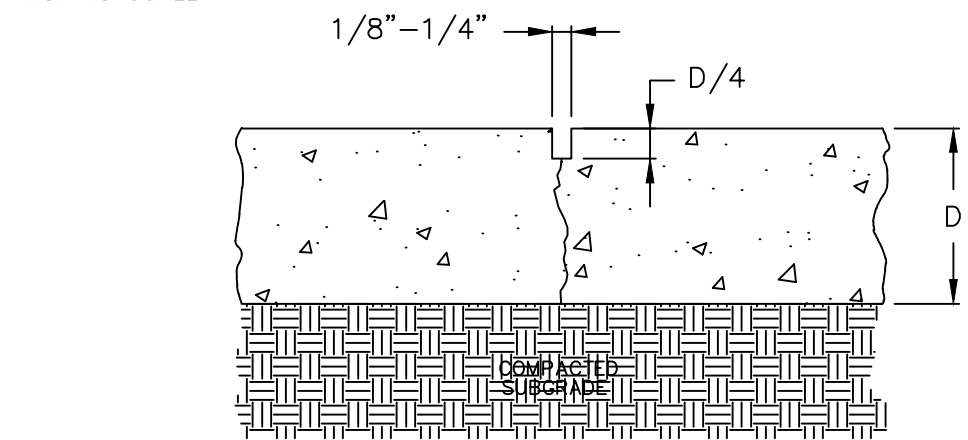
CONVENTIONAL CONCRETE THICKENED EDGE DETAIL
NOT TO SCALE



TYPICAL SWALE SECTION
NOT TO SCALE

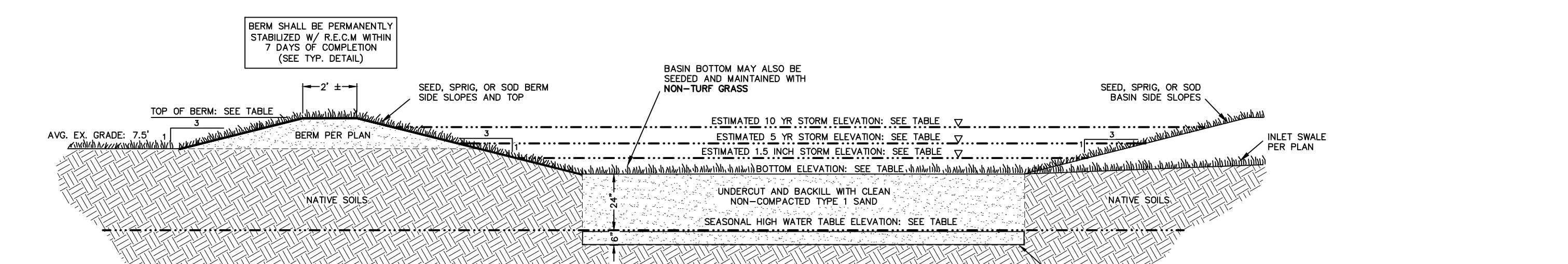


PRE-CAST CONCRETE PARKING BLOCK
NOT TO SCALE



CONVENTIONAL CONCRETE CONTROL JOINT DETAIL
NOT TO SCALE

NOTES:
MINIMUM PAVEMENT THICKNESS (D) = 6" W/6x6-W2.9 x W2.9 WWF REINFORCEMENT. PLACE 2" BELOW TOP OF SLAB UNDOWELED TRANSVERSE CONTRACTION OR LONGITUDINAL JOINT, SAWED OR PRE-MOLDED. DO NOT DOWEL PAVEMENTS LESS THAN 7" THICK.



TOP ELEV. (FMSL)	10YR STORM ELEV. (FMSL)	5YR STORM ELEV. (FMSL)	1.5 H. STORM ELEV. (FMSL)	BOTTOM ELEV. (FMSL)	SHWT ELEV. (FMSL)
8.50	8.20	8.00	7.40	6.90	4.90

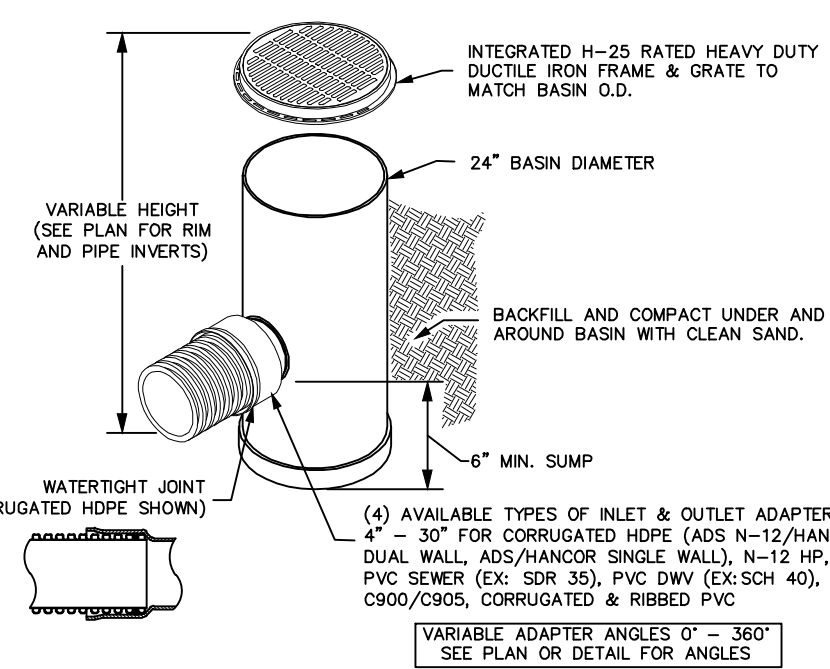
BASIN ELEVATION TABLE

EROSION CONTROL NOTE:
DURING CONSTRUCTION, THE SCM MAY BE UTILIZED AS EROSION & SEDIMENT CONTROL. SEDIMENT BASIN, ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS PROPERLY STABILIZED, THE SCM SHALL BE CLEANED AND RESTORED TO ITS DESIGN SPECIFICATIONS AND THE BANKS PERMANENTLY STABILIZED WITHIN 7 DAYS.

- INFILTRATION BASIN CONSTRUCTION SPECIFICATIONS:**
- CARE SHOULD BE USED DURING INSTALLATION TO MINIMIZE COMPACTION OF SOIL ON THE BOTTOM AND WALLS OF INFILTRATION DEVICES. TO AVOID COMPACTION THE DRAINAGE MEDIA, LIGHT EQUIPMENT AND CONSTRUCTION TECHNIQUES THAT MINIMIZE COMPACTION SHOULD BE USED.
 - RUNOFF SHALL NOT BE DIRECTED INTO AN INFILTRATION DEVICE UNTIL STABILIZED.
 - A MINIMUM OF ONE OBSERVATION WELL SHALL BE INCLUDED IN EACH INFILTRATION SYSTEM TO PERIODICALLY VERIFY THAT THE DRAINAGE MEDIA IS FULLY DRAINING. THE MONITORING WELL SHALL CONSIST OF A 4 TO 6 INCH PERFORATED PVC PIPE WITH A LOCKING CAP. THE WELL SHOULD BE PLACED NEAR THE CENTER OF THE FACILITY OR IN THE GENERAL LOCATION OF THE LOWEST POINT WITHIN THE FACILITY, WITH THE INVERT AT THE EXCAVATED BOTTOM OF THE FACILITY.

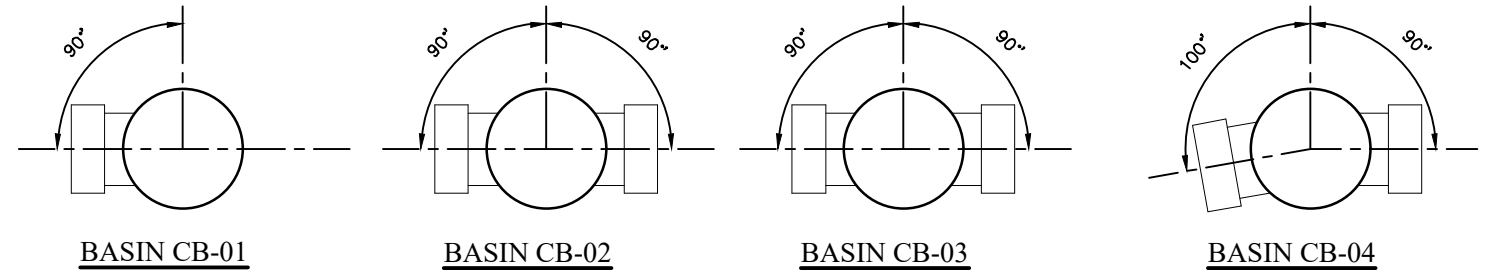
- INFILTRATION BASIN CONSTRUCTION SEQUENCE:**
- THE FOLLOWING SEQUENCE IS IN ADDITION TO THE "CONSTRUCTION SEQUENCE SCHEDULE" PROVIDED UNDER THE EROSION AND SEDIMENT CONTROL SPECIFICATIONS.
- IN THE AREA OF THE PROPOSED INFILTRATION BASIN CLEARING AND GRUBBING SHALL BE PERFORMED UTILIZING LIGHT EQUIPMENT AND CONSTRUCTION TECHNIQUES.
 - THE PERIMETER AND SIDE SLOPES OF THE INFILTRATION BASIN SHALL BE CONSTRUCTED AND STABILIZED WITH TEMPORARY & PERMANENT VEGETATION. THIS WILL CREATE A SEDIMENT BARRIER AND TRAP DURING CONSTRUCTION.
 - THE PROPOSED PARKING AREA IMPROVEMENTS SHALL BE INSTALLED AND GRADED ACCORDING TO THE PLAN.
 - TRANSITIONAL SHOULDERS AND SIDE SLOPES BETWEEN THE PARKING AREA AND THE PROPOSED INFILTRATION BASIN SHALL BE GRADED AND STABILIZED WITH TEMPORARY & PERMANENT VEGETATION. RIP-RAP INLET/OUTLET PROTECTION SHALL BE INSTALLED WHERE NOTED.
 - ALL UNDESIRABLE SEDIMENTS AND TRASH ACCUMULATED WITHIN THE INFILTRATION AREA DURING THE COURSE OF CONSTRUCTION SHALL BE REMOVED.
 - FINAL GRADING AND PLACEMENT OF CLEAN SAND MATERIAL WITHIN THE BOTTOM OF THE INFILTRATION BASIN SHALL BE PERFORMED.
 - INSTALL SEDIMENT BENCH MARK, MONITORING WELL AND FINAL PERMANENT VEGETATION AS SPECIFIED.
 - THE INFILTRATION BASIN SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS OF ITS CONSTRUCTION. AFTER CONSTRUCTION IT SHALL BE MAINTAINED IN ACCORDANCE WITH THE OPERATION AND MAINTENANCE AGREEMENT EXECUTED AS PART OF THE STATE STORMWATER PERMIT.

TYPICAL STORMWATER INFILTRATION BASIN SECTION
NOT TO SCALE

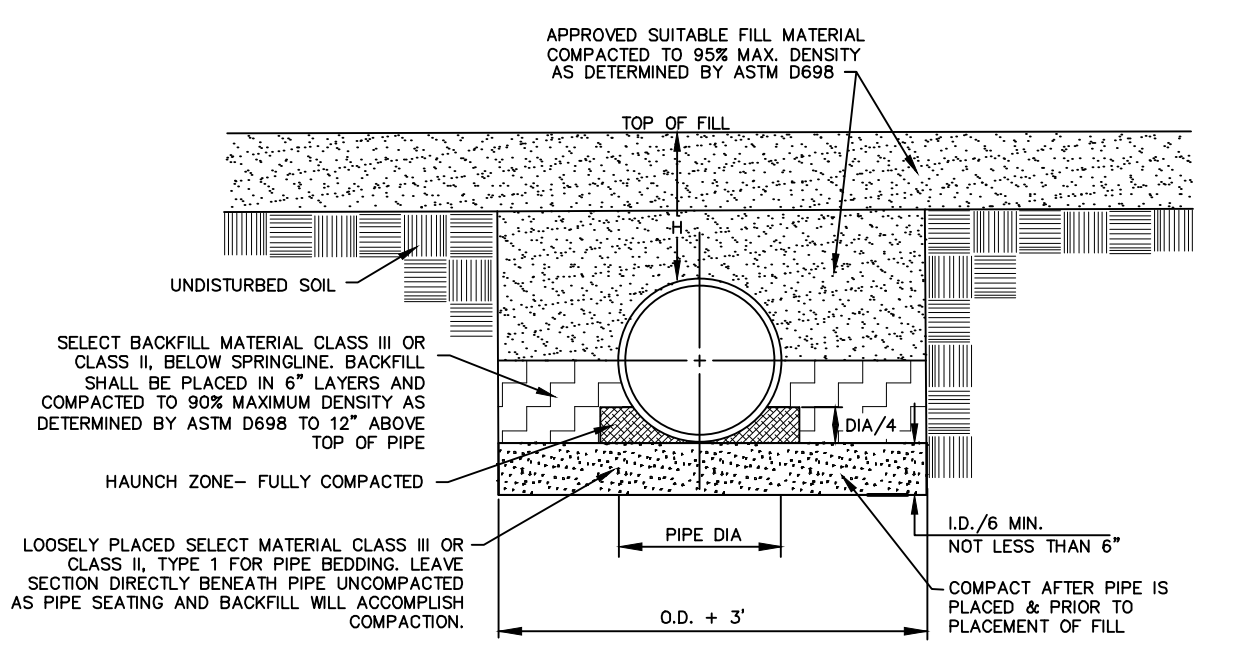


24 NYLOPLAST DRAIN BASIN DETAIL
NOT TO SCALE

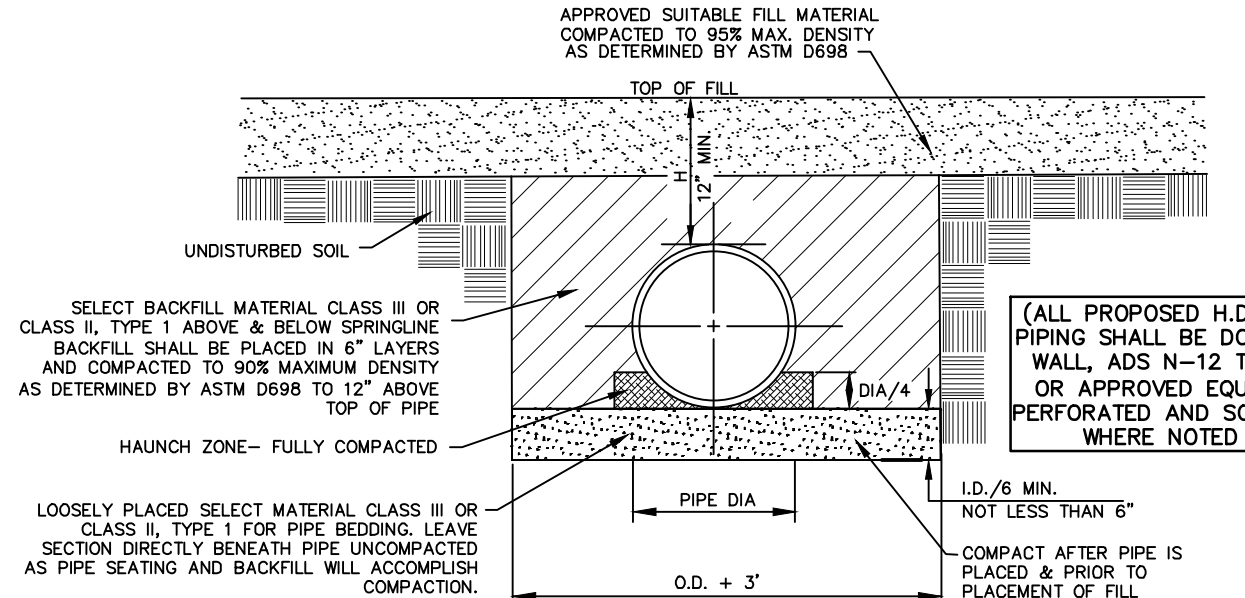
- NOTES:**
- GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HOPE (AS N-12/HANCOR DUAL WALL, N-12 HP, & PVC SOWER (4" - 24"). ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.



BASIN CB-01, BASIN CB-02, BASIN CB-03, BASIN CB-04



STANDARD RIGID PIPE INSTALLATION DETAIL
NOT TO SCALE



STANDARD FLEXIBLE PIPE INSTALLATION DETAIL
NOT TO SCALE

GENERAL PIPE INSTALLATION NOTES:

- ALL EXCAVATIONS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE CONSTRUCTION STANDARDS FOR EXCAVATIONS IN OSHA SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, CHAPTER XVI OF TITLE 29, CFR PART 1926. THE CONTRACTOR SHALL HAVE A COMPETENT PERSON ON THE JOB AT ALL TIMES AND SHALL EMPLOY A PROFESSIONAL ENGINEER TO ACT UPON ALL PERTINENT MATTERS OF THE WORK.
- DO NOT OPERATE HEAVY EQUIPMENT OVER ANY PIPE CULVERT UNTIL THE PIPE CULVERT HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.
- THE PIPE CULVERT INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH NCDOT TYPICAL STANDARD DETAIL 300.01. O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION. I.D. = THE MAXIMUM HORIZONTAL INSIDE DIAMETER DIMENSION. H = THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF THE PIPE TO THE TOP OF THE EMBANKMENT AT THAT POINT. MINIMUM FILL HEIGHT (H) FOR SIDE DRAIN PIPES (NOT BELOW PAVEMENT STRUCTURES) SHALL BE 1', OR AS SPECIFIED BY THE PIPE MANUFACTURER, WHICHEVER IS GREATER.
- PIPES TO BE INSTALLED BELOW PAVEMENT STRUCTURES SHALL HAVE THE FOLLOWING MINIMUM FILL HEIGHT (H) AS MEASURED FROM THE TOP OF PIPE TO THE BOTTOM OF THE PAVEMENT STRUCTURE: 12" - 60" FLEXIBLE PIPE: H = 2" MINIMUM. CLASS II & CLASS III RIGID PIPE: H = 1" MINIMUM. CLASS II & CLASS III RIGID PIPE: H = 2" MINIMUM. SEE NCDOT STANDARD 300.01 FOR MAXIMUM AND MINIMUM FILL HEIGHT REQUIREMENTS FOR OTHER TYPES OF FLEXIBLE AND RIGID PIPE.

BISSELL
PROFESSIONAL GROUP
Engineers, Planners, Surveyors and Environmental Specialists

Bissell Professional Group
Firm License # 05-96
P.O. Box 1088
10000 Highway 27949
Charlotte, North Carolina 28217
(704) 261-3666
(704) 261-3667
FAX (704) 261-1760

TYP. PAVEMENT & DRAINAGE CONSTRUCTION DETAILS

THIS PAVEMENT IS THE SOLE PROPERTY OF BRG, INC. OR ORALITY PART OR THE MODIFICATION OF ANY DETAIL OR DESIGN IS NOT TO BE MADE WITHOUT THE WRITTEN CONSENT OF BRG, INC. IN WILKINSON, NORTH CAROLINA. THE REPRODUCTION, IN WHOLE OR IN PART, OF ANY DETAIL OR DESIGN IS NOT TO BE MADE WITHOUT THE WRITTEN CONSENT OF BRG, INC. COPYRIGHT 2005.

BIG BOX, LLC
CURRITUCK
HARRINGER
NORTH CAROLINA

COMMERCIAL SITE DEVELOPMENT PLAN

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHKD.

DATE: 1-13-25
DESIGNED: BPG
CHECKED: MSB
DRAWN: DMK
APPROVED: DMK

SHEET: 7 OF 10
CAD FILE: 486900B1
PROJECT NO: 4869

FINAL DRAWING NOT RELEASED FOR CONSTRUCTION

**PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater outfalls (SDCs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

**PART II, SECTION G, ITEM (4)
DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT**

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- (a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
- (b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
- (c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
- (d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
- (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- (f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

**PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation to be Kept on Site

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- (a) This General Permit as well as the Certificate of Coverage, after it is received.
- (b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

3. Documentation to be Retained for Three Years

All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

**PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

SECTION C: REPORTING

1. Occurrences that Must be Reported

Permittees shall report the following occurrences:

- (a) Visible sediment deposition in a stream or wetland.
- (b) Oil spills if:
 - They are 25 gallons or more,
 - They are less than 25 gallons but cannot be cleaned up within 24 hours,
 - They cause sheen on surface waters (regardless of volume), or
 - They are within 100 feet of surface waters (regardless of volume).
- (c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
- (d) Anticipated bypasses and unanticipated bypasses.
- (e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none">• Within 24 hours, an oral or electronic notification.• Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis.• If the stream is named on the NC 303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	<ul style="list-style-type: none">• Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none">• A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none">• Within 24 hours, an oral or electronic notification.• Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(l)(7)]	<ul style="list-style-type: none">• Within 24 hours, an oral or electronic notification.• Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6).• Division staff may waive the requirement for a written report on a case-by-case basis.



NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19



NCG01 SELF-INSPECTION, RECORDKEEPING & REPORTING

BIG BOX, LLC
COMMERCIAL SITE DEVELOPMENT PLAN

Table with 2 columns: NO., DATE, DESCRIPTION

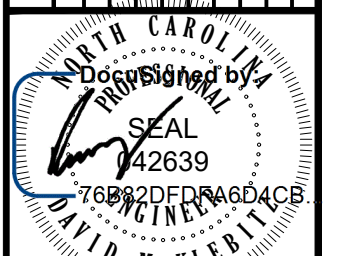
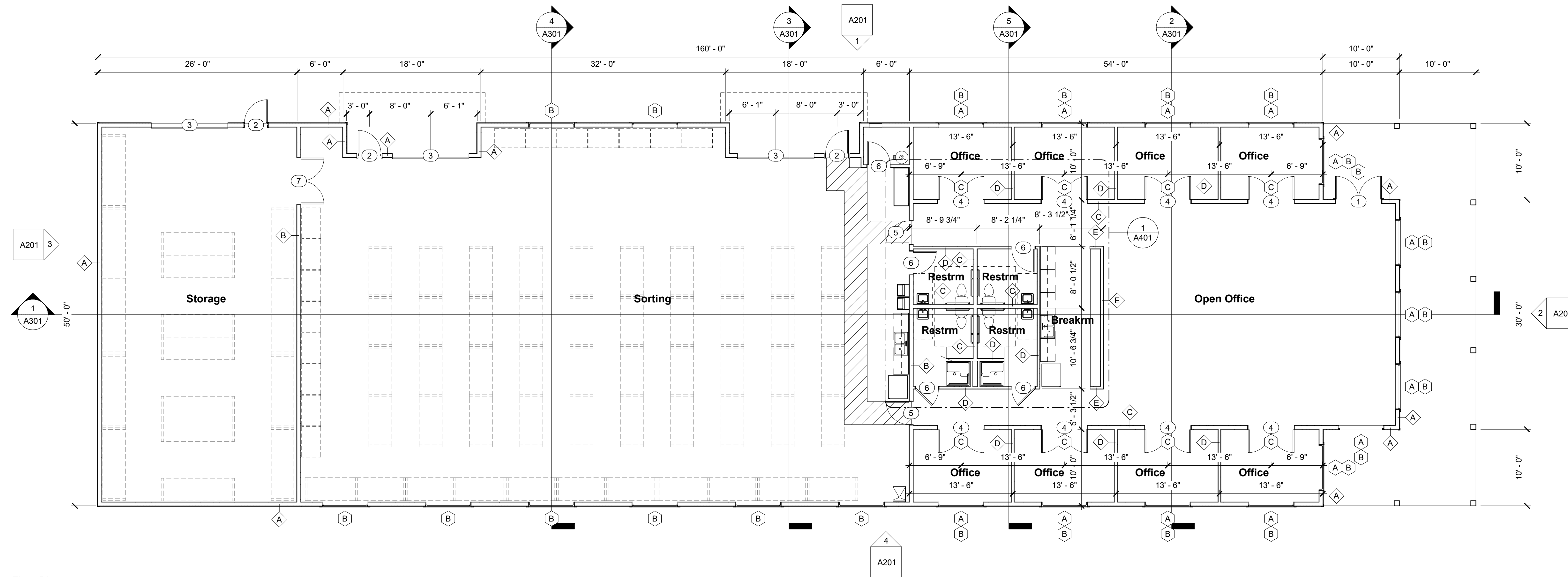


Table with 2 columns: DATE, SCALE, CHECKED, DESIGNED, DRAWN, APPROVED, SHEET, CAD FILE, PROJECT NO.

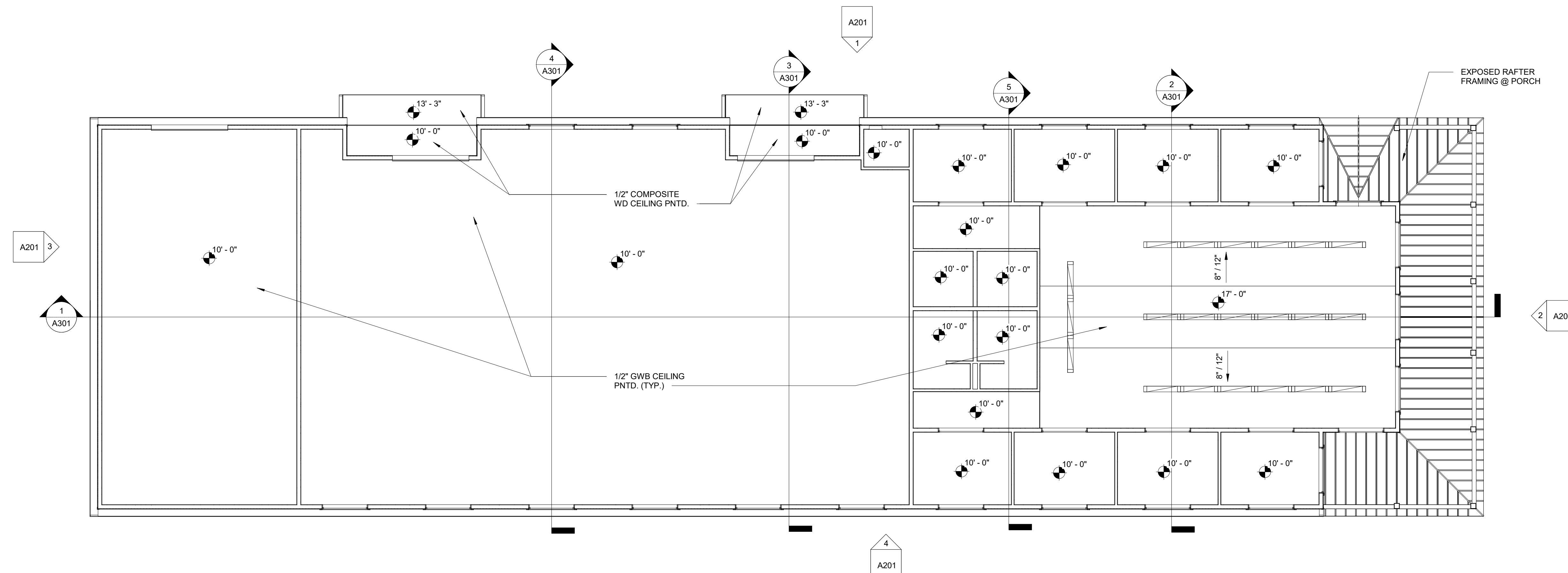
FINAL DRAWING NOT RELEASED FOR CONSTRUCTION



1 First Floor Plan
1/8" = 1'-0"

Door Schedule Res				
Mark	Door Style	Door		Comments
		Width	Height	
1	Exterior Swing Double Full Light	72"	80"	
2	Exterior Swing Single Flush	36"	80"	
3	Exterior Overhead	120"	108"	
4	Interior Swing Double Full Light	72"	80"	
5	Interior Swing Single Vision Panel	36"	80"	
6	Interior Swing Single Flush	36"	80"	
7	Interior Swing Double Flush	72"	80"	

Window Schedule					
Type Mark	Description	Width	Height	Head Height	Comments
A	Fixed Insulated Double Pane Glazing	72"	42"	8'-8"	
B	Fixed Insulated Double Pane Glazing	72"	16"	9'-8"	
C	Fixed Single Pane Glazing	72"	18"	8'-8"	
D	Fixed Insulated Double Pane Glazing	72"	18"	16'-0"	



2 First Floor Reflected Ceiling Plan
1/8" = 1'-0"

Project: **Big Box LLC**

Project No: **23021**

Location: **8760 Caratoke Hwy, Harbinger, NC 27941**

Title: **Plans**

Date: **January 30, 2025**

Scale: **1/8" = 1'-0"**

The designer shall not be responsible for any error, omission, defect or deficiency in the contract documents ("error") prepared by the designer or its consultants which in any way impacts the schedule of the project, results in a lack of coordination among the contract documents, delays the completion of the project or which in any other way causes any damage or loss to the owner, contractor, subcontractors, or other entity involved in the project, unless: (i) designer is promptly notified of such error, in any event within 14 days of the date such error was discovered or could reasonably have been discovered; and (ii) designer is given opportunity at the time of discovery to address such error, and, if appropriate, take such steps as are necessary to correct and resolve it. Failure to comply with the provisions of this paragraph shall constitute a waiver of any claim for damages, or a right to offset against designer by owner, contractor or others and shall in no event cause or allow a reduction in the fees otherwise due designer for services provided on the project.

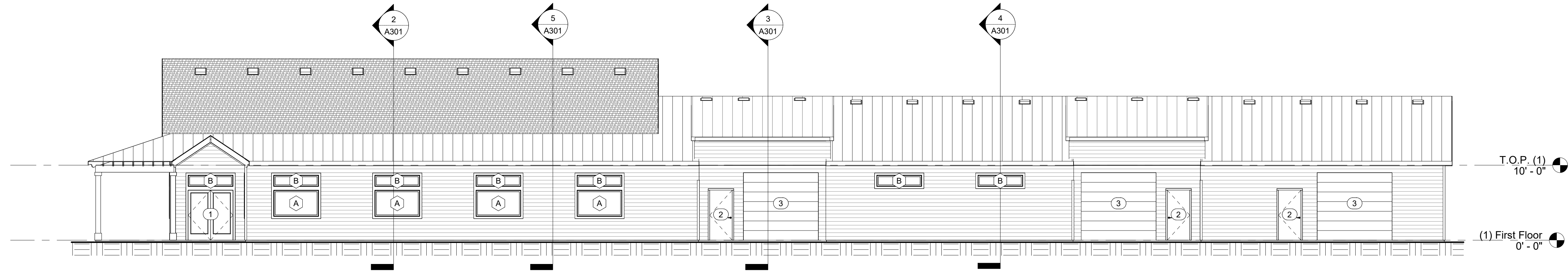


Revisions:

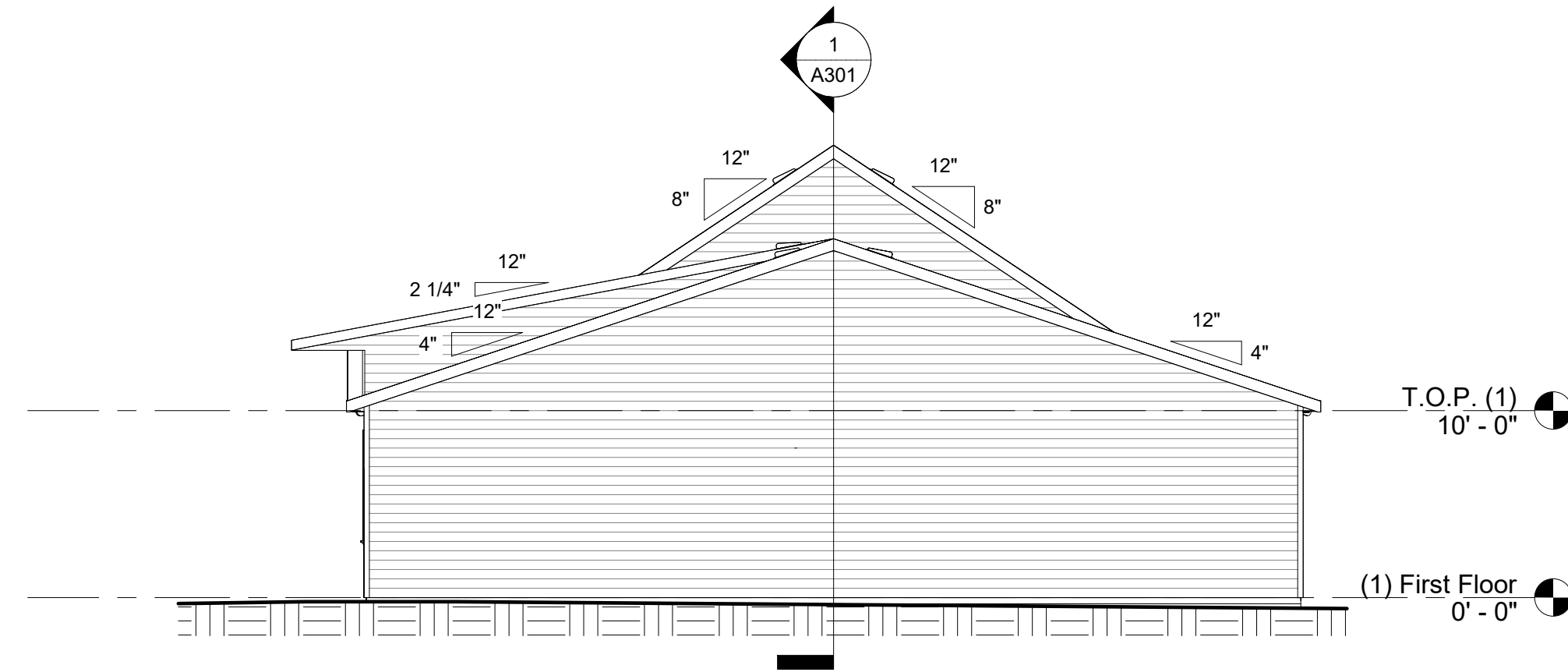
No.	Description	Date

Designed: Designer
Drawn: Author
Reviewed: Checker
Cad File:

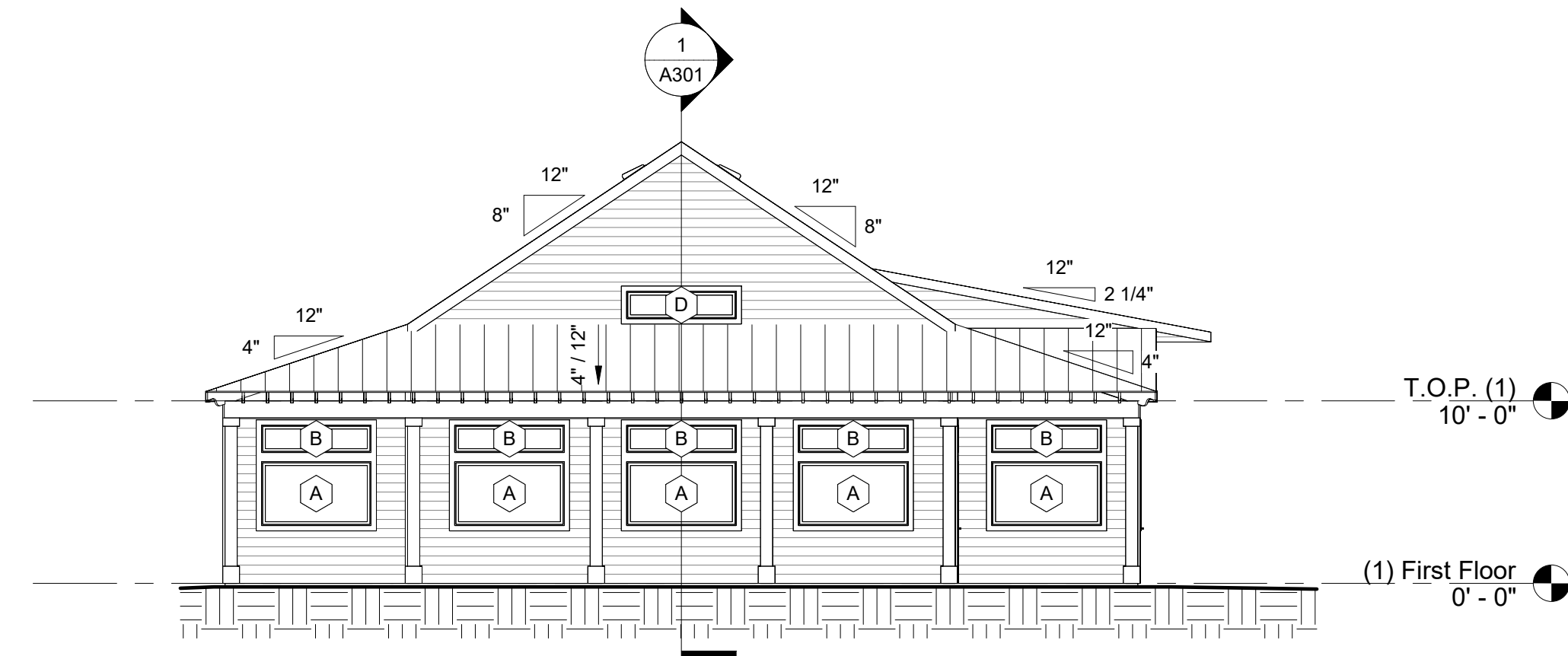
A101



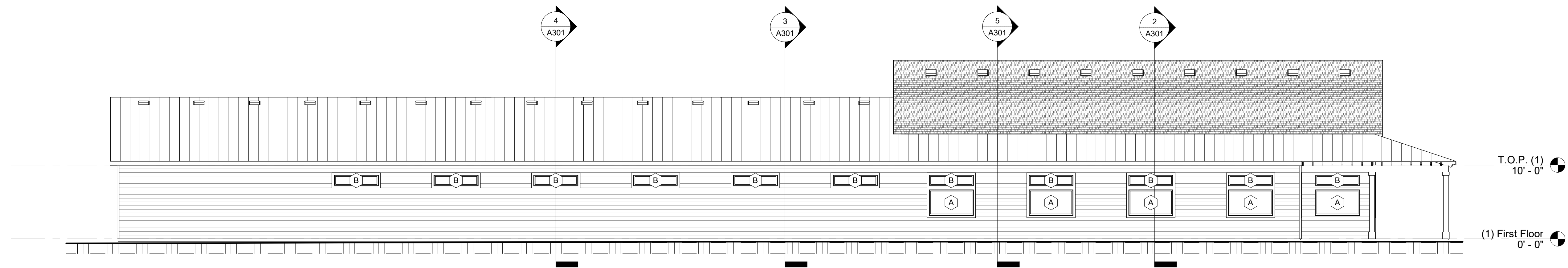
1 North Elevation
1/8" = 1'-0"



3 West Elevation
1/8" = 1'-0"



2 East Elevation
1/8" = 1'-0"



4 South Elevation
1/8" = 1'-0"

Project: **Big Box LLC**

Project No: **23021**

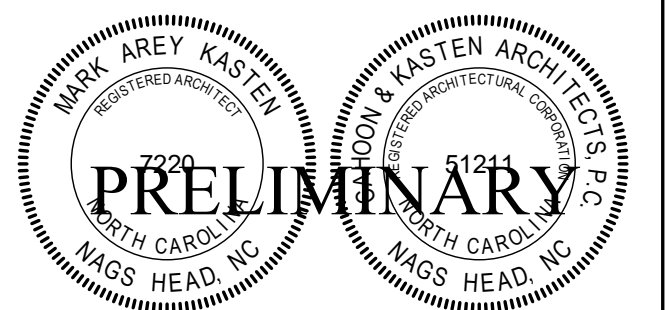
Location: **8760 Caratoke Hwy,
Harbinger, NC 27941**

Title: **Elevations**

Date: **January 30, 2025**

Scale: **1/8" = 1'-0"**

The designer shall not be responsible for any error, omission, defect or deficiency in the contract documents ("error") prepared by the designer or its consultants which in any way impacts the schedule of the project, results in a lack of coordination among the contract documents, delays the completion of the project or which in any other way causes any damage or loss to the owner, contractor, subcontractors, or other entity involved in the project, unless: (i) designer is promptly notified of such error, in any event within 14 days of the date such error was discovered or could reasonably have been discovered; and (ii) designer is given opportunity at the time of discovery to address such error, and, if appropriate, take such steps as are necessary to correct and resolve it. Failure to comply with the provisions of this paragraph shall constitute a waiver of any claim for damages, or a right to offset against designer by owner, contractor or others and shall in no event cause or allow a reduction in the fees otherwise due designer for services provided on the project.



Revisions:

No.	Description	Date

Designed: Designer
Drawn: Author
Reviewed: Checker
Cad File:

A201