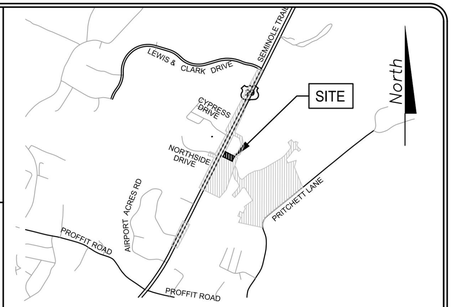
NORTH POINTE WENDY'S
RIVANNA DISTRICT
ALBEMARLE COUNTY, VIRGINIA

APPLICANTS NAME: GREAT EASTERN MANAGEMENT

SPECIAL USE PERMIT: XXXXXXX

ZONING: ZMA-2000-00009

ARB: N/A



LOCATION MAP: 1"=2,000'

ALBEMARLE COUNTY
FINAL PLAN GENERAL NOTES

General Construction Notes

1. Prior to any construction within any existing public right-of-way, including connection to any existing road, a permit shall be obtained from the Virginia Department of Transportation (VDOT). This plan as drawn may not accurately reflect the requirements of the permit. Where any discrepancies occur the requirements of the permit shall govern.
2. All materials and construction methods shall conform to current specifications and standards of VDOT unless otherwise noted.
3. Erosion and siltation control measures shall be provided in accordance with the approved erosion control plan and shall be installed prior to any clearing, grading or other construction.
4. All slopes and disturbed areas are to be fertilized, seeded and mulched.
5. The maximum allowable slope is 2:1 (horizontal:vertical). Where reasonably obtainable, lesser slopes of 3:1 or better are to be achieved.
6. Paved, rip-rap or stabilization mat lined ditch may be required when in the opinion of the County Engineer, or designee, it is deemed necessary in order to stabilize a drainage channel.
7. All traffic control signs shall conform with the Virginia Manual for Uniform Traffic Control Devices.
8. Unless otherwise noted all concrete pipe shall be reinforced concrete pipe – Class III.
9. All excavation for underground pipe installation must comply with OSHA Standards for the Construction Industry (29 CFR Part 1926).

General Construction Notes for Streets (This list is in addition to the General Construction Notes)

1. All materials and construction must be tested and documented according to VDOT standards and specifications.
2. Surface drainage and pipe discharge must be retained within the public right-of-way or within easements prior to acceptance. All drainage outfall easements are to be extended to a boundary line or a natural watercourse.
3. Guardrail locations are approximate. Exact length, location and appropriate end treatments will be field verified at the time of construction. Additional guardrail may be required at locations not shown when, in the opinion of VDOT (for public roads) or the County Engineer (for private roads), or designee, it is deemed necessary. When guardrail is required, it shall be installed four (4) feet offset from the edge of pavement to the face of guardrail, and roadway shoulder widths shall be increased to seven (7) feet.
4. Where urban cross sections are installed, all residential driveway entrances shall conform to VDOT CG-9(A, B or C).
5. Where rural cross sections are installed, all residential driveway entrances shall conform to VDOT standard PE-1.
6. Compliance with the minimum pavement width, shoulder width and ditch sections, as shown on the typical pavement section detail, shall be strictly adhered to.
7. Road plan approval for subdivisions is subject to final subdivision plat validation. Should the final plat for this project expire prior to signing and recordation, then approval of these plans shall be null and void.
8. All signs or other regulatory devices shall conform with the Virginia Manual for Uniform Traffic Control Devices and the Albemarle County Road Naming and Property Numbering Ordinance and Manual.
9. Traffic control or other regulatory signs or barricades shall be installed by the developer when, in the opinion of the County Engineer, or designee, they are deemed necessary in order to provide safe and convenient access.
10. The speed limits to be posted on speed limit signs are 5 mph below the design speed, or as determined by VDOT for public roads.
11. VDOT standard CD-1 or CD-2 cross-drains are to be installed under the subbase material at all cut and fill transitions and grade sag points as shown on the road profiles.
12. A video camera inspection is required for all storm sewers and culverts that are deemed inaccessible to VDOT or County inspections. The video inspection shall be conducted in accordance with VDOT's video camera inspection procedure.

General construction notes for Erosion and Sediment Control plans

1. The plan approving authority must be notified one week prior to the pre-construction conference, one week prior to the commencement of land disturbing activity, and one week prior to the final inspection.
2. All erosion and sediment control measures will be constructed and maintained according to minimum standards and specifications of the Virginia Erosion and Sediment Control Handbook and Virginia Regulations VR 625-02-00 Erosion and Sediment Control Regulations.
3. All erosion and sediment control measures are to be placed prior to or as the first step in clearing.
4. A copy of the approved erosion and sediment control plan shall be maintained on the site at all times.
5. Prior to commencing land disturbing activities in areas other than indicated on these plans (including, but not limited to, off-site borrow or waste areas), the contractor shall submit a supplementary erosion control plan to the owner for review and approval by the plan approving authority.
6. The contractor is responsible for installation of any additional erosion control measures necessary to prevent erosion and sedimentation as determined by the plan approving authority.
7. All disturbed areas are to drain to approved sediment control measures at all times during land disturbing activities and during site development until final stabilization is achieved.
8. During dewatering operations, water will be pumped into an approved filtering device.
9. The contractor shall inspect all erosion control measures periodically and after each runoff-producing rainfall event. Any necessary repairs or cleanup to maintain the effectiveness of the erosion control devices shall be made immediately.
10. All fill material to be taken from an approved, designated borrow area.
11. All waste materials shall be taken to an approved waste area. Earth fill shall be inert materials only, free of roots, stumps, wood, rubbish, and other debris.
12. Borrow or waste areas are to be reclaimed within 7 days of completion per Zoning Ordinance section 5.1.28.
13. All inert materials shall be transported in compliance with section 13-301 of the Code of Albemarle.
14. Borrow, fill or waste activity involving industrial-type power equipment shall be limited to the hours of 7:00am to 9:00pm.
15. Borrow, fill or waste activity shall be conducted in a safe manner than maintains lateral support, or order to minimize any hazard to persons, physical damage to adjacent land and improvements, and damage to any public street because o slides, sinking, or collapse.
16. The developer shall reserve the right to install, maintain, remove or convert to permanent stormwater management facilities where applicable all erosion control measures required by this plan regardless of the sale of any lot, unit, building or other portion of the property.
17. Temporary stabilization shall be temporary seeding and mulching. Seeding is to be at 75 lbs/acre, and in the months of September to February to consist a 50/50 mix of Annual Ryegrass and Cereal Winter Rye, or in March and April to consist of Annual Rye, or May through August to consist of German Millet. Straw mulch is to be applied at 80lbs/100sf. Alternatives are subject to approved by the County erosion control inspector.
18. Permanent stabilization shall be lime and fertilizer, permanent seeding, and mulch. Agricultural grade limestone shall be applied at 90lbs/1000sf, incorporated into the top 4-6 inches of soil. Fertilizer shall be applied at 1000lbs/acre and consist of a 10-20-10 nutrient mix. Permanent seeding shall be applied at 180lbs/acre and consist of 95% Kentucky 31 or Tall Fescue and 0-5% Perennial Ryegrass or Kentucky Bluegrass. Straw mulch is to be applied at 80lbs/100sf. Alternatives are subject to approved by the County erosion control inspector.
19. Maintenance: All measures are to be inspected weekly and after each rainfall. Any damage or clogging to structural measures is to be repair immediately. Silt traps are to be cleaned when 50% of the wet storage volume is filled with sediment. All seeded areas are to be reseeded when necessary to achieve a good stand of grass. Silt fence and diversion dykes which are collecting sediment to half their height must be cleaned and repaired immediately.
20. All temporary erosion and sediment control measures are to be removed within 30 days of final site stabilization, when measures are no longer needed, subject to approval by the County erosion control inspector.
21. This plan shall be void if the owner does not obtain a permit within 1 year of the date of approval. (Water Protection Ordinance section 17-204G.)
22. Permanent vegetation shall be installed on all denuded areas within nine (9) months after the date the land disturbing activity commenced. (Water Protection Ordinance section 17-207B)

General construction notes for Stormwater Management plans

1. All dams and constructed fill to be within 95% of maximum dry density and 2% of optimum moisture content. All fill material to be approved by a geotechnical engineer. A geotechnical engineer is to be present during construction of dams.
2. Pipe and riser joints are to be watertight within stormwater management facilities.
3. For temporary sediment traps or basins which are to be converted to permanent stormwater management facilities; conversion is not to take place until the site is stabilized, and permission has been obtained from the County erosion control inspector.

SITE DATA

DEVELOPER/APPLICANT	GREAT EASTERN MANAGEMENT 2619 HYDRAULIC ROAD CHARLOTTESVILLE, VA 22901 DAVID MITCHELL, E.I.T. PHONE: (434) 296-4109 FAX: (434) 963-2670 E-MAIL: david@southern-classic.com
ENGINEER	TOWNES SITE ENGINEERING C/O BRIAN C. MITCHELL, P.E. 1 PARK WEST CIR, SUITE 108 MIDLOTHIAN, VA 23114 PHONE: (804) 748-9011 FAX: (804) 748-2590 E-MAIL: BMITCHELL@CCTOWNES.COM
SOURCE OF TOPOGRAPHY	-BOUNDARY & TOPOGRAPHY SURVEY PERFORMED BY TOWNES SITE ENGINEERING DATED 10/10/2023 HORIZONTAL DATUM: NAD83
MAGISTERIAL DISTRICT	RIVANNA
ZONING DISTRICT	PD-MC (PLANNED DEVELOPMENT MIXED COMMERCIAL)
TAX MAPS/PARCELS	03200-00-00-02000 (PART OF)
ZONING	ZMA-2000-00009
ARB APPROVAL #	NOT APPLICABLE
PROJECT AREA ACREAGE	1.01 AC
RESERVOIR WATERSHED	NORTH FORK RIVANNA - JACOBS RUN
FEMA MAP	51003C0145D / DATED FEB. 4, 2005 / ZONE 'X'

UTILITIES CONTACT INFO:

RAPPAHANNOCK ELECTRIC COOPERATIVE (REC)	STEVE COATES DISTRIBUTION DESIGNER 13252 CEDAR RUN CHURCH ROAD CULPEPER, VA, 22701 PHONE: (540) 727-2116
CHARLOTTESVILLE CITY GAS	PHILIP GARBER CHIEF GAS ENGINEER 305 4TH STREET NW CHARLOTTESVILLE, VA 22903 PHONE: (434) 970-3811

Rivanna Water & Sewer Authority (RWSA)
General Water & Sanitary Sewer Notes
Last Revised: February 2011

1. All materials and methods of construction shall comply with the latest version of the General Water and Sewer Construction Specifications as adopted by the Albemarle County Service Authority on January 15, 1998, except as modified below or modified in Special Notes.
2. RWSA shall approve all construction materials and methods of construction. A preconstruction conference shall be held with RWSA prior to the start of any work.
3. The contractor shall be responsible for notifying Miss Utility (1-800-552-7001).
4. RWSA Engineer (Victoria Fort at (434) 977-2970 ext. 205) shall be notified three business days prior to the start of construction.
5. All work is subject to inspection by RWSA staff. No tie-ins to the existing system shall be made without coordination with and the presence of RWSA staff. No work shall be conducted on RWSA facilities on weekends or holidays without special written permission from RWSA.
6. For sanitary sewer line construction: RWSA may require bypass pumping for tie-ins to the existing system. All doghouse manholes must be pressure-tested before a connection is made to the system.
7. The location of existing utilities as shown on the plans is from data available at the time of design and is not necessarily complete or accurate. The Contractor shall be responsible for the verification of the location, size and depth of all existing utilities, both surface and subsurface. The Contractor shall immediately notify the Engineer of any discrepancies between the plans and field conditions. The Contractor shall use due diligence to protect all utilities and structures from damage at all times, whether shown on the plans or not. Damage to any existing utilities shall be repaired by the Contractor to the original condition at no additional cost to the Owner.
8. Erosion and sediment control facilities shall not be permitted in the RWSA easement without special written permission from RWSA. No grading shall be permitted in the RWSA easement unless permitted otherwise by RWSA in writing.
9. No blasting shall be permitted within 100 feet of RWSA facilities without written permission and RWSA approval of the blasting plan. Ground monitoring during blasting and a pre-blast survey may be required. For blasting within 100 feet of any operative RWSA sewerlines, bypass pumping and/or pre- and post-CCTV may be required. RWSA may also require certification from a licensed professional engineer stating that the proposed blasting will not damage any RWSA facilities. Damage to any utilities due to blasting shall be repaired by the Contractor to the original condition at no additional cost to the Owner.
10. The contractor shall observe minimum separation requirements for utility crossings. When a crossing is made under an existing facility, adequate structural support shall be provided for the existing pipe. The area of the crossing shall be backfilled with compacted 57 stone to the springline of the existing pipe.
11. New water main installations shall be pressure tested, chlorinated, flushed and have water samples approved prior to making any permanent connection to the public water system. Approved methods of filling and flushing new water mains will be required to prevent any contamination of the public water system.
12. All easements for new RWSA facilities shall be recorded prior to placing the new facilities into service.
13. No permanent structural facilities will be permitted in the RWSA easement. This includes building overhangs, retaining walls, footers for any structure, drainage structures, etc.

Trees are not permitted in the RWSA easement.

ALL FILL AREAS TO BE INSTALLED & STRUCTURAL FILL SUITABLE FOR ROAD OR BUILDING CONSTRUCTION & TO BE TESTED BY GEOTECHNICAL PROFESSIONAL ENGINEER. CONCRETE SHALL BE CLASS A-3 PAVING CONCRETE ACCORDING TO THE CURRENT VIRGINIA DEPARTMENT OF TRANSPORTATION'S ROAD AND BRIDGE SPECIFICATIONS AND APPROPRIATE SUPPLEMENTAL SPECIFICATIONS. THE CONCRETE PAVEMENT SHALL BE PLAIN JOINTED WITH A RECOMMENDED JOINT SPACING OF 15 FEET OR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (CRCP) IS ALSO CONSIDERED AN ACCEPTABLE OPTION.

IN THE EVENT OF ANY DAMAGE TO, OR DISLOCATION, OR DISTURBANCE OF ANY UNDERGROUND UTILITY LINE INCLUDING ITS APPURTENANCES, COVERING AND COATING, IN CONNECTION WITH ANY EXCAVATION OR DEMOLITION, THE PERSON RESPONSIBLE SHALL IMMEDIATELY STOP EXCAVATION AROUND THAT UTILITY LINE UNTIL THE IMPACTED UTILITY REPRESENTATIVE ARRIVES AND EVALUATES THE DAMAGE OR DISTURBANCE.

IMPORTANT: IF A NATURAL GAS LINE IS DAMAGED RESULTING IN THE RELEASE OF NATURAL GAS, IMMEDIATELY SHUT DOWN ANY EQUIPMENT AND MOVE PEOPLE TO A SAFE PLACE. THEN, IMMEDIATELY DIAL **911** AND CHARLOTTESVILLE CITY GAS AT **(434) 970-3800.**

RETAINING WALLS GREATER THAN 3 FEET IN HEIGHT REQUIRE A SEPARATE BUILDING PERMIT. WALLS EXCEEDING 4 FEET IN HEIGHT REQUIRE A STAMPED ENGINEERED DESIGN . WALLS REQUIRE INSPECTIONS AS OUTLINED IN THE USBC.

ACCESSIBLE PARKING SPACES, ACCESS ISLES, AND ACCESSIBLE ROUTE SHALL BE INSTALLED IN ACCORDANCE WITH ICC ANSI A117.1-09 AND THE 2015 VIRGINIA CONSTRUCTION CODE.

ALL WATERLINES, SEWER LINES, AND FIRE LINES FROM THE MAIN TO THE STRUCTURE LOCATED ON PRIVATE PROPERTY MUST HAVE A VISUAL INSPECTION PERFORMED BY THE BUILDING DEPARTMENT

ALL ROOF DRAINS SHALL DISCHARGE IN A MANNER NOT TO CAUSE A PUBLIC NUISANCE AND NOT OVER SIDEWALKS.

811 Know what's below. Call before you dig.

MISS UTILITY DESIGN TICKET #**** & #**** CONTRACTOR SHALL CALL MISS UTILITY AT 811 PRIOR TO THE START OF CONSTRUCTION

LEGEND

ROAD AND DRAINAGE
- CULVERT OR STORM SEWER (WITH STRUCTURE NO.)
- EXISTING CULVERT OR STORM SEWER PIPE
- DROP INLET & STRUCTURE NO.
- PROPOSED MANHOLE
- EXISTING MANHOLE
- PAVED DITCH
- JUTE MESH OR SODDED DITCH
- EARTH DITCH – GRASS LINED
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATIONS (T/C – TOP OF CURB)
- BENCH MARK & REFERENCE NO.
- VDOT STANDARD STOP SIGN

SEWER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- SANITARY SEWER SERVICE CONNECTIONS
- MANHOLE NO. W/ STATION OR COORDINATE LOCATION

WATER
- EXISTING WATERLINE
- PROPOSED WATERLINE
- PROPOSED WATERLINE SERVICE CONNECTION
- GATE VALVE
- FIRE HYDRANT ASSEMBLY
- TEE OR TAPPING SLEEVE
- CROSS
- BLIND CAP
- REDUCER
- BORE CROSSING

EROSION CONTROL
EROSION CONTROL DEVICES AS PER VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK

STD. & SPEC.	
CE 3.02	CONSTRUCTION ENTRANCE
SF 3.05	SILT FENCE
IP 3.07	INLET PROTECTION
DD 3.09	TEMPORARY DIVERSION DIKE
ST 3.13	TEMPORARY SEDIMENT TRAP
CD 3.20	ROCK CHECK DAM
	LIMITS OF CONSTRUCTION
TS 3.31	TEMPORARY SEEDING
PS 3.32	PERMANENT SEEDING
MU 3.35	MULCHING
DC 3.39	DUST CONTROL

ALBEMARLE COUNTY DEPARTMENT APPROVAL:

APPROVALS	DATE
DEPARTMENT OF COMMUNITY DEVELOPMENT	
PLANNING/ZONING	
ENGINEER	
INSPECTION	
ARB	
DEPARTMENT OF FIRE & RESCUE	
ALBEMARLE COUNTY SERVICE AUTHORITY	
VIRGINIA DEPARTMENT OF TRANSPORTATION	
HEALTH DEPARTMENT	

INDEX TO SHEETS

Sheet List Table

Sheet Number	Sheet Revision Date	Sheet Title
C - 1		COVER SHEET
C - 2		EXISTING CONDITIONS & DEMOLITION
C - 3		EROSION AND SEDIMENT CONTROL PHASE I
C - 4		EROSION AND SEDIMENT CONTROL PHASE II
C - 5		EROSION AND SEDIMENT CONTROL DETAILS
C - 6		SITE & UTILITY LAYOUT
C - 7		GRADING SHEET
C - 7A		SPOT SHOTS
C - 8		HYDRAULICS
C - 9		PROFILES
C - 10		STORMWATER MANAGEMENT
C - 11		DETAILS
C - 12		UTILITY DETAILS
C - 13		WENDY'S DETAILS
C - 14		POLLUTION PREVENTION PLAN

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Phone:(804) 748-9011
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www.cctownes.com

COMMONWEALTH OF VIRGINIA
DREW C. WARD
Lic. No. 063917
01 / 05 / 2024
PROFESSIONAL ENGINEER

NORTHPOINTE
WENDY'S
RIVANNA DISTRICT
ALBEMARLE COUNTY, VIRGINIA

COVER SHEET

REVISIONS

DATE	ITEM

DATE
01 / 05 / 2024

SCALE
NO SCALE

DRAWN BY
CMA

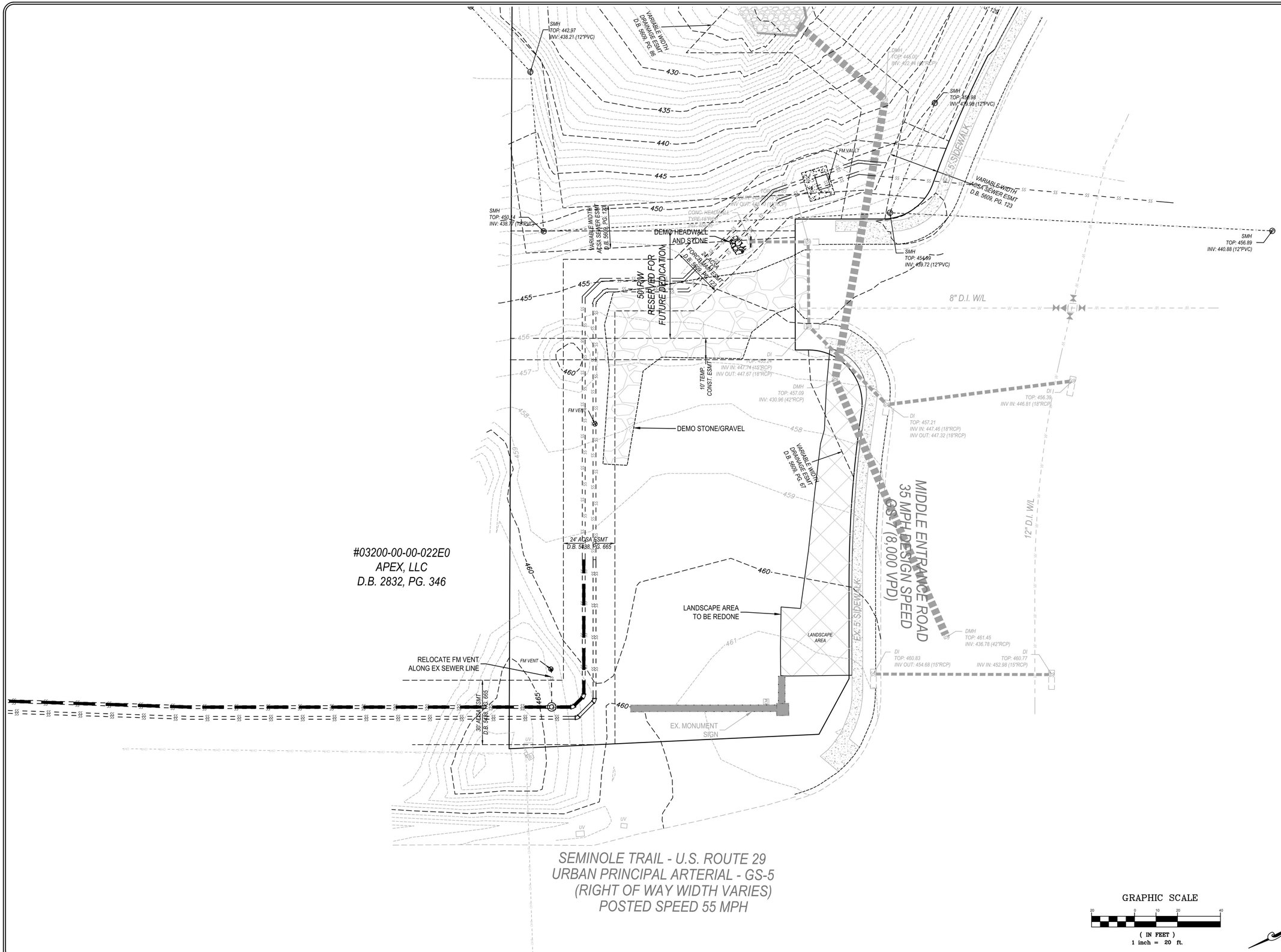
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DREW C. WARD, P.E.

CHECKED BY
DREW C. WARD, P.E.

PROJ.#
20230209

SHEET #
C - 1

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GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

NAD83

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NORTHPOINTE
WENDY'S
RIVANNA DISTRICT
ALBEMARLE COUNTY, VIRGINIA

EXISTING CONDITIONS & DEMOLITION

REVISIONS

DATE	ITEM

DATE
01 / 05 / 2024

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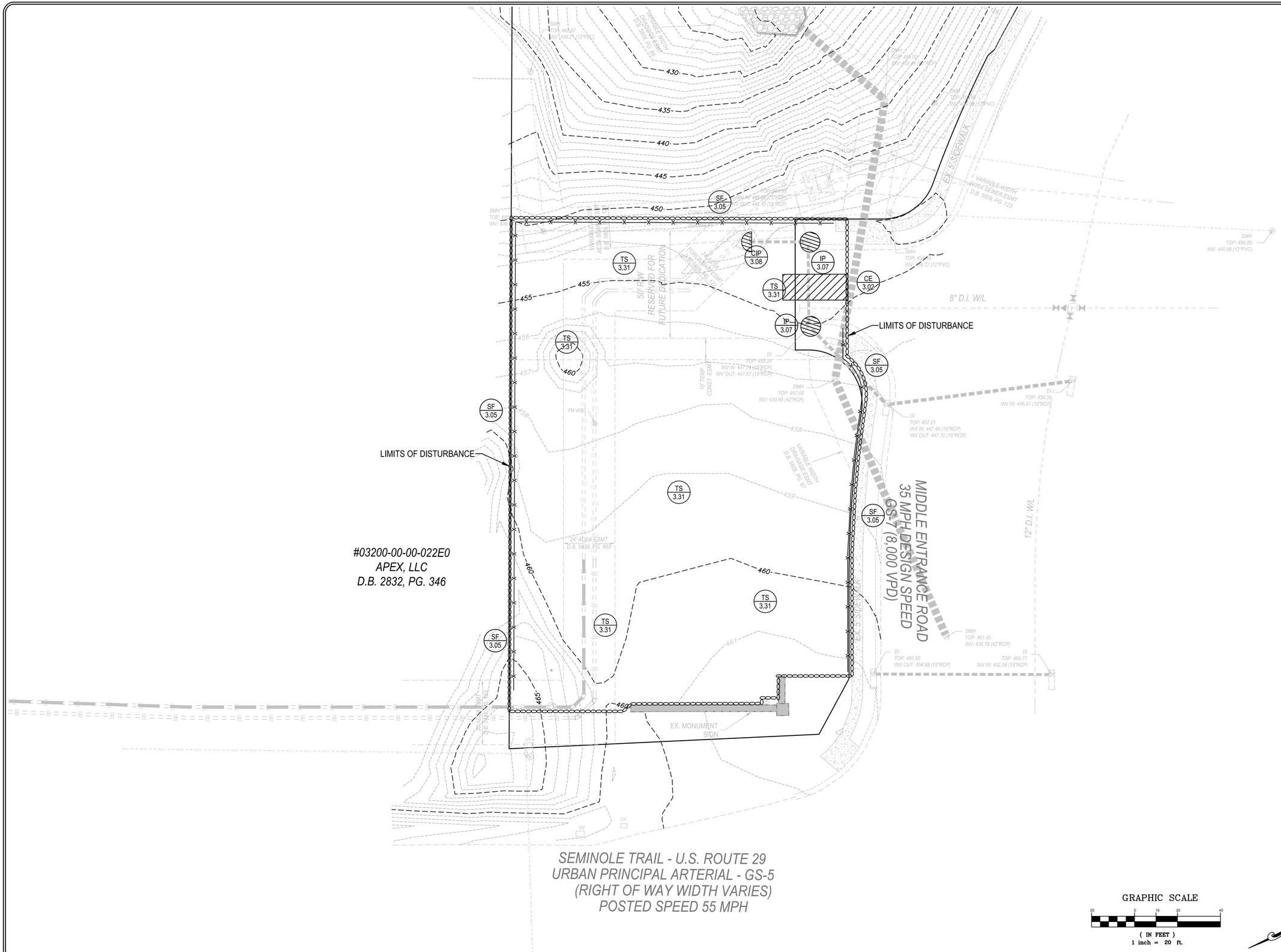
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C - 2

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(IN FEET)
1 inch = 20 ft.

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NORTHPOINTE
WENDY'S

RIVANNA DISTRICT
ALBEMARLE COUNTY, VIRGINIA

EROSION AND SEDIMENT CONTROL PHASE I

REVISIONS

DATE	ITEM

DATE
01 / 05 / 2024

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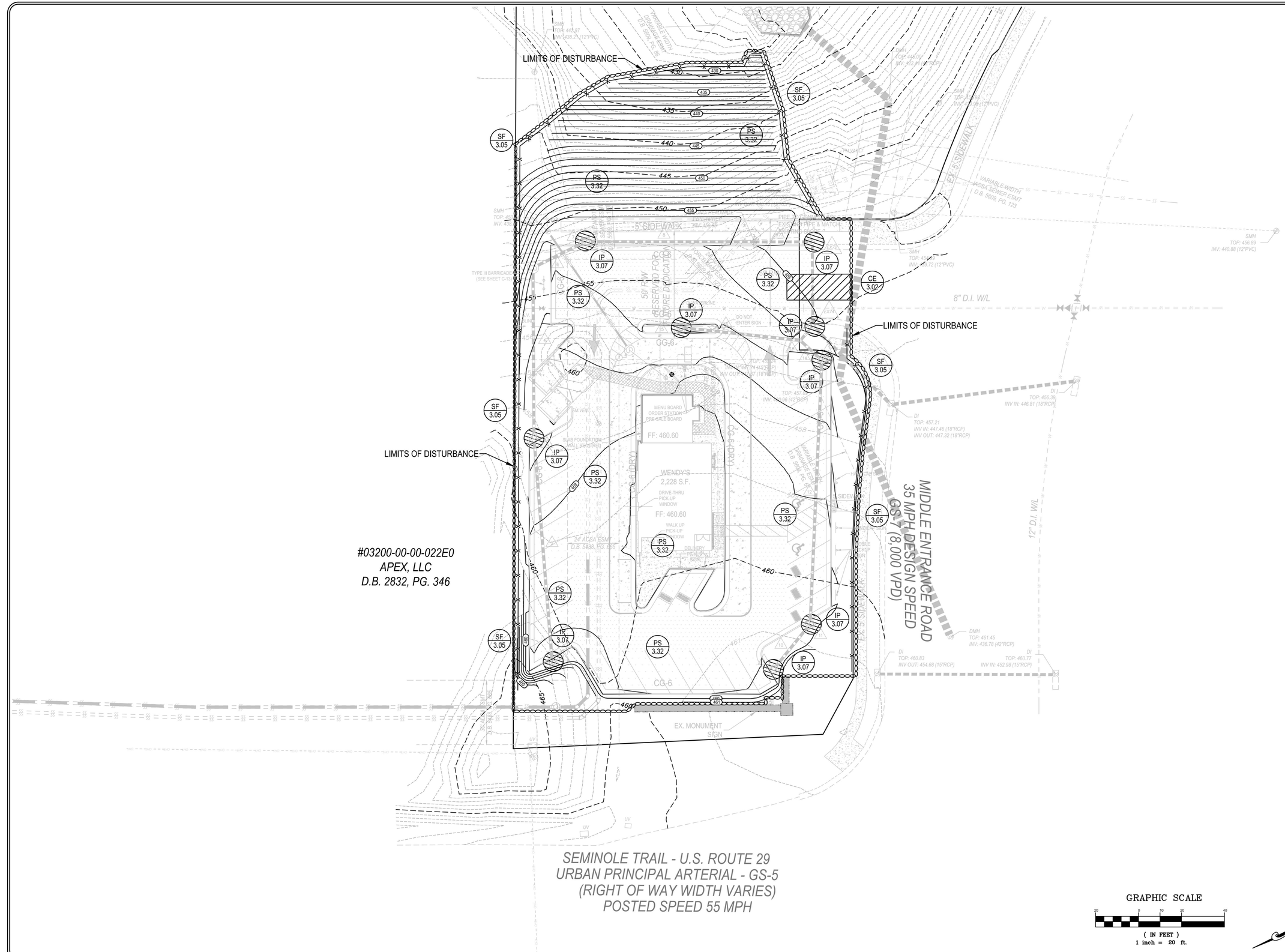
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C - 3

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EROSION AND SEDIMENT CONTROL PHASE II

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REVISIONS

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01 / 05 / 2024

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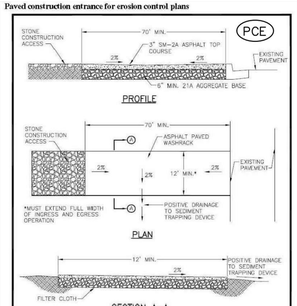
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SHEET #
C - 4

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Paved construction entrance for erosion control plans

PCE



A minimum water tap of 1 inch must be installed with a minimum 1 inch ballcock shutoff valve supplying a wash hose with a diameter of 1.5 inches for adequate constant pressure. Wash water must be carried away from the entrance to an approved settling area to remove sediment. All sediment shall be prevented from entering storm drains, ditches or watercourses.

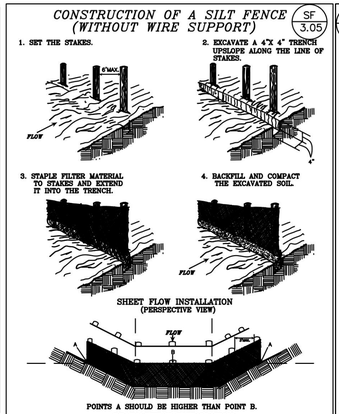
PAVED WASH RACK

NO SCALE

CONSTRUCTION OF A SILT FENCE (WITHOUT WIRE SUPPORT)

SF 3.05

1. SET THE STAKES.
2. EXCAVATE A 4"X 4" TRENCH UPSLOPE ALONG THE LINE OF STAKES.
3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

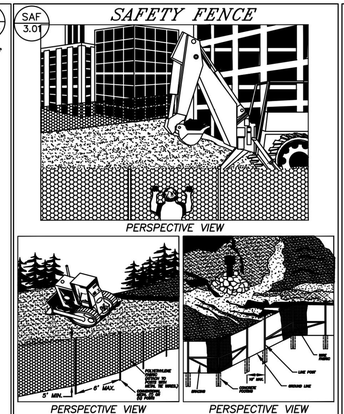


SOURCE: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control,VA. DSWC Sherwood and Rysel

PLATE 3.05-2

SAFETY FENCE

SAF 3.01

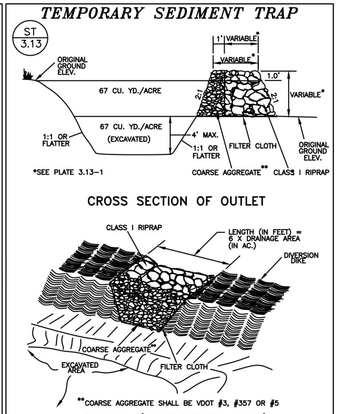


SOURCE: CONWED PLASTICS VDOT ROAD AND BRIDGE STANDARDS VA. DSWC

PLATE. 3.1-1

TEMPORARY SEDIMENT TRAP

ST 3.13



SOURCE: VA. DSWC

PLATE. 3.13-2

TABLE 3.32-D
(Revised June 2003)
SITE SPECIFIC SEEDING MIXTURES FOR PIEDMONT AREA

LAND USE	SEED[1] SPECIES	APPLICATION PER ACRE
Minimum Care Lawn (Commercial or Residential)	Tall Fescue[1] Perennial Ryegrass Kentucky Bluegrass[1]	95-100% 0-5% 0-5% TOTAL: 175-200 lbs.
High Maintenance Lawn	Tall Fescue[1]	TOTAL: 200-250 lbs.
General Slope (3:1 or less)	Tall Fescue Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop[2]	128 lbs. 2 lbs. 20 lbs. TOTAL: 150 lbs.
Low-Maintenance Slope (Steeper than 3:1)	Tall Fescue[1] Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop[2] Crownvetch[3]	108 lbs. 2 lbs. 20 lbs. 20 lbs. TOTAL: 150 lbs.

1 – When selecting varities of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommended turfgrass variety list. Quality seed will bear a lable indicating that they are approved by VCIA. A current turgfgrass variety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/turf/publications2.html

2 – Use seasonal nurse crop in accordance with seeding dates as stated below:
February 16th through April ..... Annual Rye
May 1st through August 15th ..... Foxtail Millet
August 16th through October ..... Annual Rye
November through February 15th ..... Winter Rye

3 – Substitute Sericea lespedeza for Crownvetch east of Farmville, Va. (May through September use hulled Sericea, all other periods, use unhulled Sericea). If Flatpea is used increase rate to 30 lbs./acre. If Weeping Lovegrass is used, include in any slope of low maintenance mixture duing warmer seeding periods, increase to 30 – 40

SOURCE: VA DSWC

TABLE 3.31-C
TEMPORARY SEEDING PLANT MATERIALS, SEEDING RATES, AND DATES

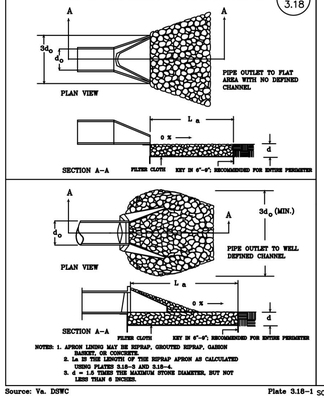
SPECIES	SEEDING RATE Acre	SEEDING RATE 1000 ft²	NORTH[b] 3/1 to 4/30	NORTH[b] 5/1 to 8/15	NORTH[b] 8/16 to 11/1	SOUTH[b] 2/15 to 4/30	SOUTH[b] 5/1 to 9/1	SOUTH[b] 9/1 to 11/15	PLANT CHARACTERISTICS
OATS (Avena sativa)	3 bu. (up to 100 lbs., not less than 50 lbs.)	2 lbs.	X	–	–	X	–	–	Use spring varieties (e.g. Noble).
RYE[d] (Secale cereale)	2 bu. (up to 110 lbs., not less than 50 lbs.)	2.5 lbs.	X	–	X	X	–	X	Use for late fall seedings, winter cover, tolerates cold and low moisture.
GERMAN RYEGRASS (Setaria italica)	50 lbs.	approx. 1 lbs.	–	X	–	–	X	–	Warm-season annual. Dies at first frost. May be added to summer mixes.
ANNUAL RYEGRASS[c] (Lolium multi-florum)	60 lbs.	1 ½ lbs.	X	–	X	X	–	X	May be added in mixes. Will mow out of most stands.
WEEPING LOVEGRASS (Eragrostis curvula)	15 lbs.	5 ½ ozs.	–	X	–	–	X	–	Warm-season perennial. May bunch. Tolerates hot, dry slopes and acid, infertile soils. May be added to mixes.
KOREAN LESPEDEZA[c] (Lespedeza stipulacea)	25 lbs.	approx. 1 ½ lbs.	X	X	–	X	X	–	Warm seasonal annual legume. Tolerates acil soils. May be added to mixes.

[a] Northern Piedmont and Mountain region. See Plate 3.22-1 and 3.22-2.
[b] Southern Piemont and Coastal Plain.
[c] May be used as a cover crop with spring seeding.
[d] May be used as a cover crop with fall seeding.
x May be planted between these dates.
– May not be planted between these dates.

SOURCE: VA DSWC

PIPE OUTLET CONDITIONS

OP 3.18



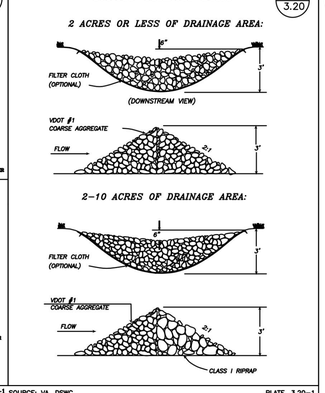
NOTES: 1. APRON LINING MAY BE RIPRAP, GROUTED RIPRAP, GABION BASKET, OR CONCRETE.
2. L_a IS THE LENGTH OF THE RIPRAP APRON AS CALCULATED USING PLATES 3.18-3 AND 3.18-4.
3. d_c = 1.5 TIMES THE MAXIMUM STONE DIAMETER, BUT NOT LESS THAN 6 INCHES.

Source: Va. DSWC

Plate 3.18-1

ROCK CHECK DAM

CD 3.20

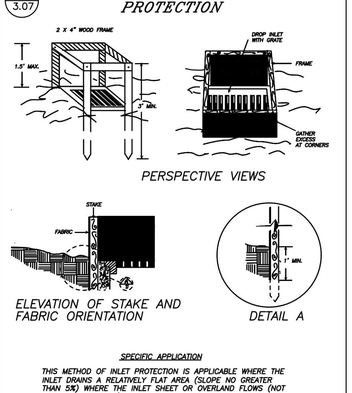


SOURCE: VA. DSWC

PLATE. 3.20-1

SILT FENCE DROP INLET PROTECTION

IP 3.07

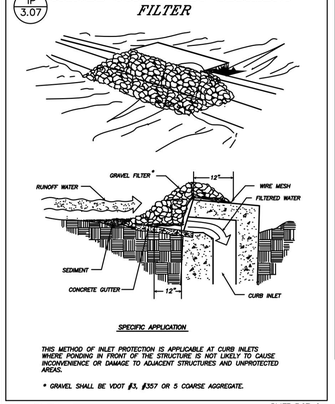


SOURCE: N.C. Erosion and Sediment Control Planning and Design Manual 1988

PLATE 3.07-1

GRAVEL CURB INLET SEDIMENT FILTER

IP 3.07

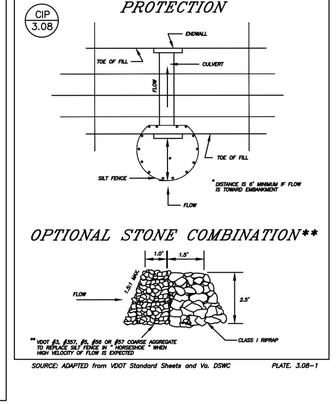


SOURCE: VA. DSWC

PLATE 3.07-6

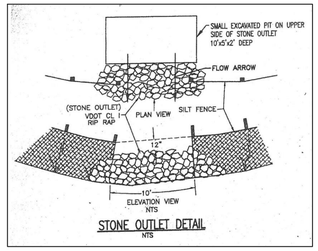
SILT FENCE CULVERT INLET PROTECTION

CIP 3.08



SOURCE: ADAPTED from VDOT Standard Sheets and Va. DSWC

PLATE. 3.08-1



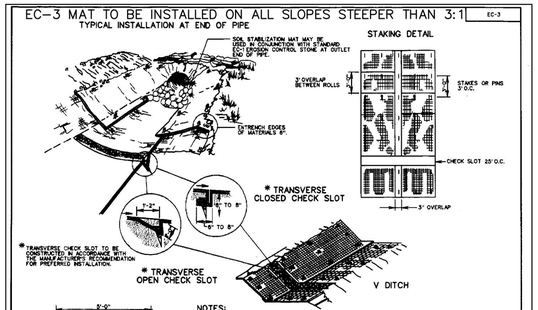
STONE OUTLET DETAIL

NTS

EC-3 MAT TO BE INSTALLED ON ALL SLOPES STEEPER THAN 3:1

EC-3

TYPICAL INSTALLATION AT END OF PIPE



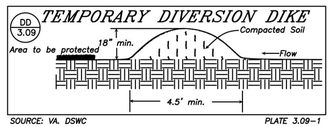
STAKING DETAIL

NOTES:
1. STAKES SHALL BE WOOD OR METAL AS RECOMMENDED BY THE MANUFACTURER AND SHALL BE A MINIMUM OF 12" IN LENGTH. IN SANDY SOILS METAL STAKES A MINIMUM OF 18" IN LENGTH SHALL BE USED.
2. SOIL STABILIZATION MAT TYPE A AND B ARE TO BE IN ACCORDANCE WITH THE APPROVED PRODUCTS LIST.
3. SOIL STABILIZATION MAT SHOULD BE INSTALLED TO THE SHOULDER BREAK POINT OR EXISTING GROUND ELEVATION. WHERE SPECIFIED 9", MATERIAL ON BOTH SIDES OF THE DITCH SHALL BE INSTALLED TO THE SAME ELEVATIONS.
4. IF MORE THAN 3 LINES OF MATERIAL ARE REQUIRED PARALLEL TO THE ℄ OF THE DITCH,MATERIAL SHALL BE INSTALLED PERPENDICULAR TO THE CENTER LINE OF THE DITCH, STARTING AT THE LOWEST ℄ ELEVATION OF THE DITCH.
5. FOR SOURCES OF APPROVED MATERIALS SEE VDOT'S APPROVED PRODUCTS LIST FOR STD. EC-3, TYPE A OR B.

SPECIFICATION REFERENCE	SOIL STABILIZATION MAT DITCH INSTALLATION TYPE A OR B	VDOT ROAD AND BRIDGE STANDARDS
244 608	VIRGINIA DEPARTMENT OF TRANSPORTATION	REVISION DATE: SHEET 1 OF 3 VA3.03

TEMPORARY DIVERSION DIKE

DD 3.09



SOURCE: VA. DSWC

PLATE 3.09-1

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01 / 05 / 2024
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EROSION AND SEDIMENT CONTROL DETAILS

REVISIONS

DATE	ITEM

DATE
01 / 05 / 2024

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ORDER STATION CANOPY

SEE DETAIL ON SHEET C-13

MENU BOARD

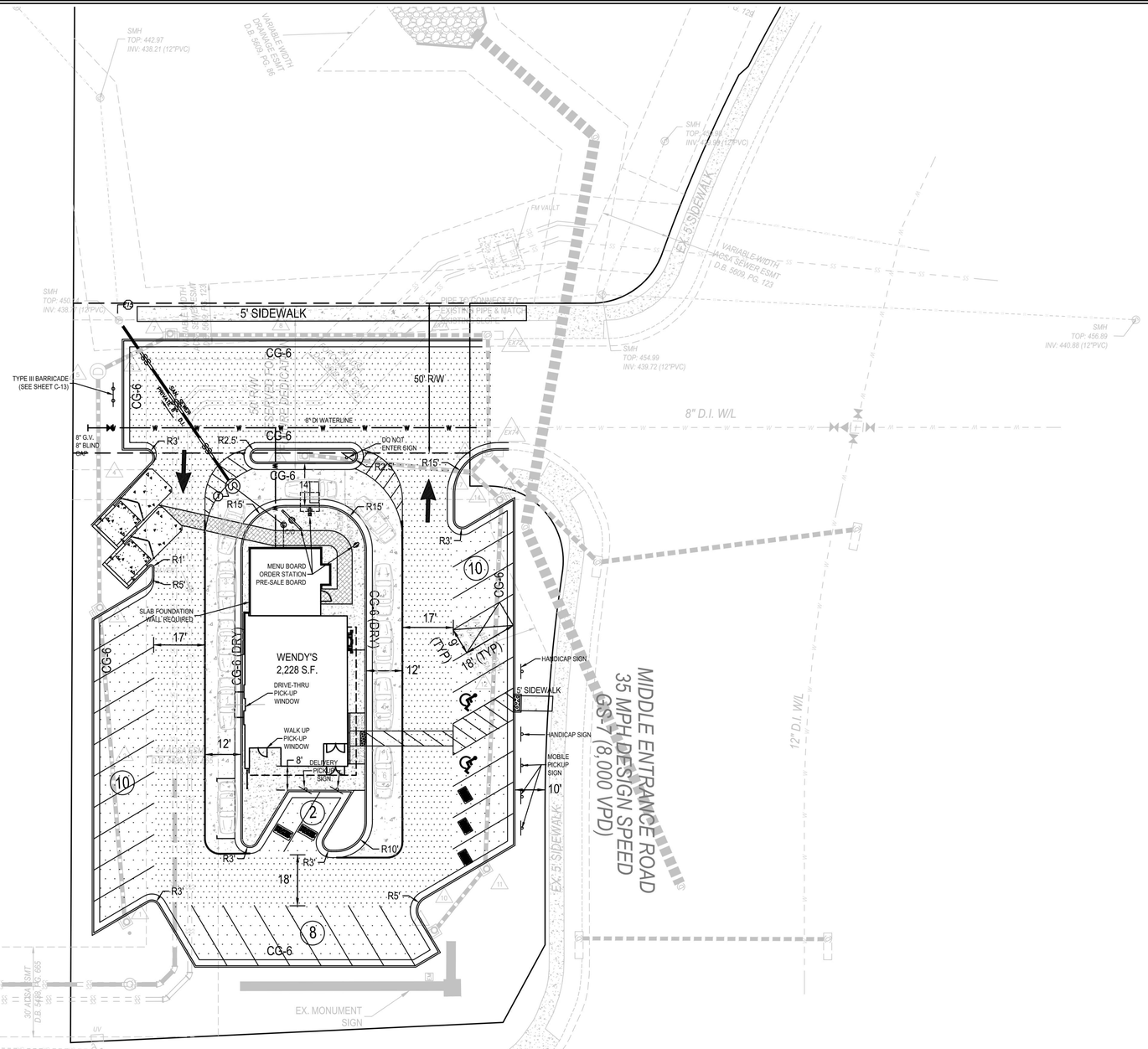
SEE DETAIL ON SHEET C-13

PRE-SALE BOARD

SEE DETAIL ON SHEET C-13

DRIVE AISLE

PARKING STALLS



#03200-00-00-022E0
APEX, LLC
D.B. 2832, PG. 346

SEMINOLE TRAIL - U.S. ROUTE 29
URBAN PRINCIPAL ARTERIAL - GS-5
(RIGHT OF WAY WIDTH VARIES)
POSTED SPEED 55 MPH

Structure Table		
Structure Name	Northing	Easting
E15	N: 6734941.22	E: 11503914.23
1	N: 6734932.14	E: 11503847.73

Sanitary Sewer Pipe Table		
Pipe Name	Bearing	Length
1–E15	N82°13'31"E	67.12'

NOTE: TOTAL PARKING: 30
-REGULAR: 23
-MOBILE: 3
-DELIVERY: 2
-ACCESSIBLE: 2

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

NAD83

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SITE & UTILITY LAYOUT

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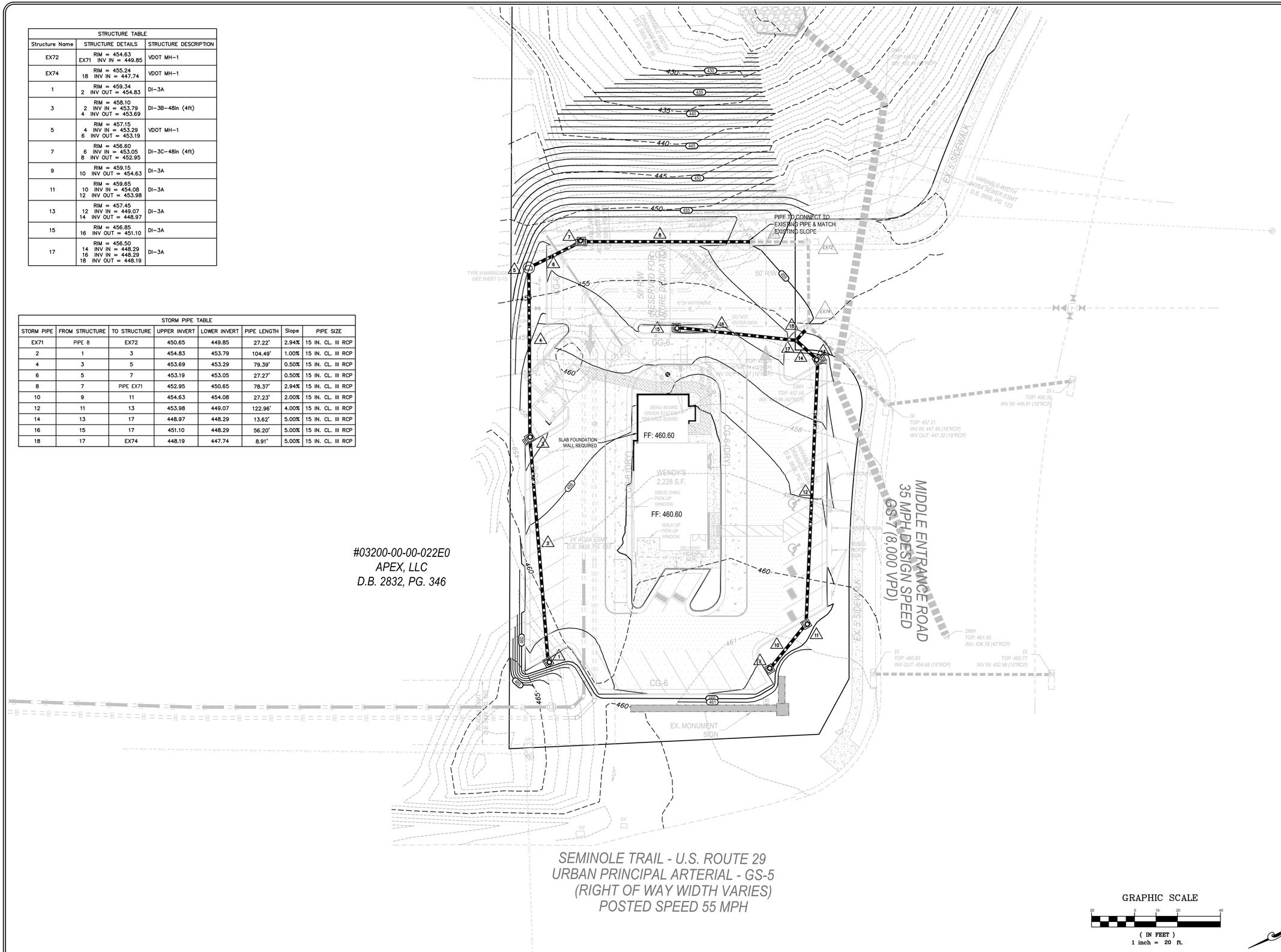
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STRUCTURE TABLE		
Structure Name	STRUCTURE DETAILS	STRUCTURE DESCRIPTION
EX72	RIM = 454.63 EX71 INV IN = 449.85	VDOT MH-1
EX74	RIM = 455.24 18 INV IN = 447.74	VDOT MH-1
1	RIM = 459.34 2 INV OUT = 454.83	DI-3A
3	RIM = 458.10 2 INV IN = 453.79 4 INV OUT = 453.69	DI-3B-48in (4ft)
5	RIM = 457.15 4 INV IN = 453.29 6 INV OUT = 453.19	VDOT MH-1
7	RIM = 456.60 6 INV IN = 453.05 8 INV OUT = 452.95	DI-3C-48in (4ft)
9	RIM = 459.15 10 INV OUT = 454.63	DI-3A
11	RIM = 459.65 10 INV IN = 454.08 12 INV OUT = 453.98	DI-3A
13	RIM = 457.45 12 INV IN = 449.07 14 INV OUT = 448.97	DI-3A
15	RIM = 456.85 16 INV OUT = 451.10	DI-3A
17	RIM = 456.50 14 INV IN = 448.29 16 INV IN = 448.29 18 INV OUT = 448.19	DI-3A

STORM PIPE TABLE							
STORM PIPE	FROM STRUCTURE	TO STRUCTURE	UPPER INVERT	LOWER INVERT	PIPE LENGTH	Slope	PIPE SIZE
EX71	PIPE 8	EX72	450.65	449.85	27.22'	2.94%	15 IN. CL. III RCP
2	1	3	454.83	453.79	104.49'	1.00%	15 IN. CL. III RCP
4	3	5	453.69	453.29	79.39'	0.50%	15 IN. CL. III RCP
6	5	7	453.19	453.05	27.27'	0.50%	15 IN. CL. III RCP
8	7	PIPE EX71	452.95	450.65	78.37'	2.94%	15 IN. CL. III RCP
10	9	11	454.63	454.08	27.23'	2.00%	15 IN. CL. III RCP
12	11	13	453.98	449.07	122.96'	4.00%	15 IN. CL. III RCP
14	13	17	448.97	448.29	13.62'	5.00%	15 IN. CL. III RCP
16	15	17	451.10	448.29	56.20'	5.00%	15 IN. CL. III RCP
18	17	EX74	448.19	447.74	8.91'	5.00%	15 IN. CL. III RCP



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

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GRADING SHEET

REVISIONS

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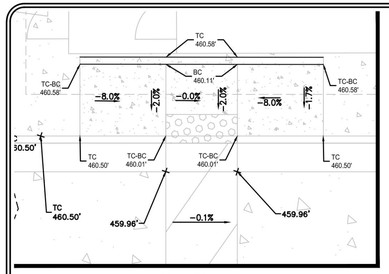
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GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
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SPOT SHOTS

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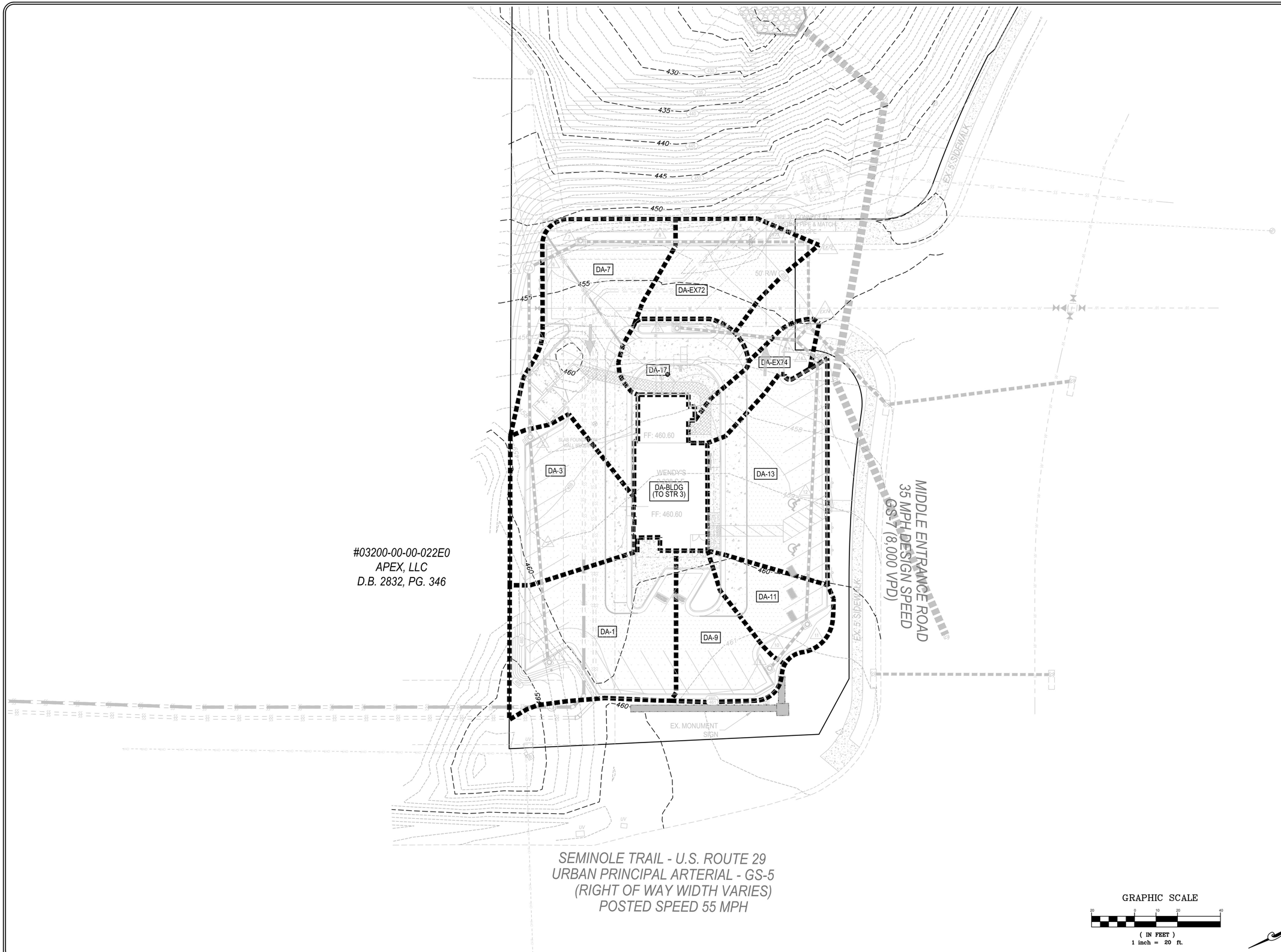
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GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

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HYDRAULICS

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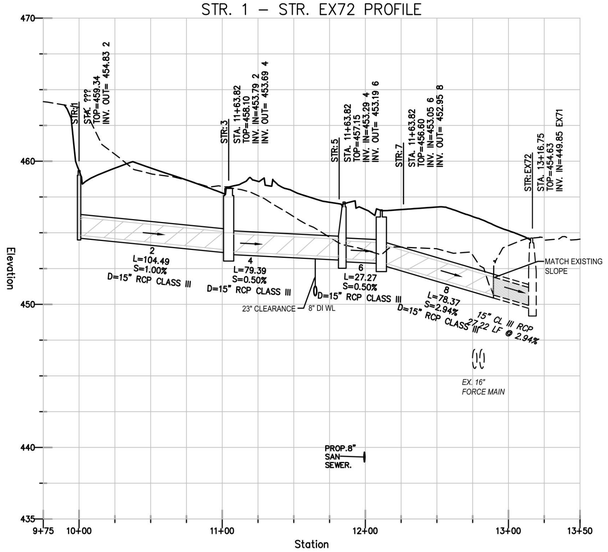
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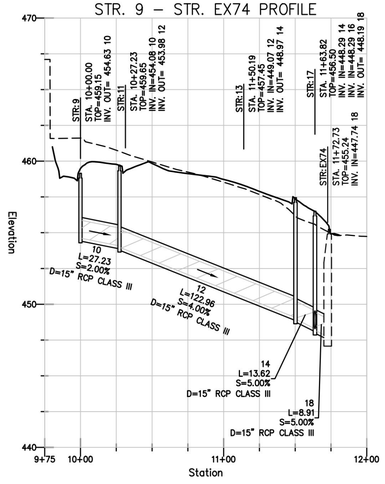
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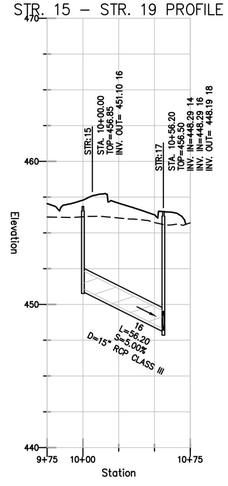
STR. 1 – STR. EX72 PROFILE



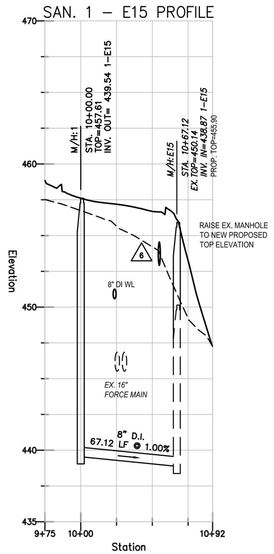
STR. 9 – STR. EX74 PROFILE



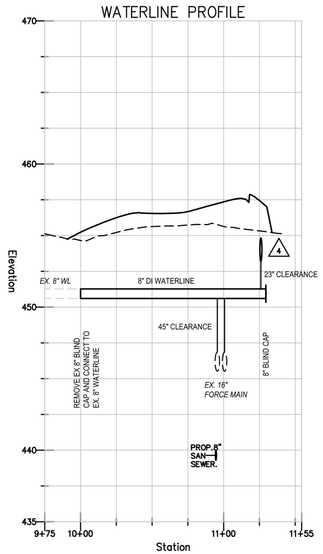
STR. 15 – STR. 19 PROFILE



SAN. 1 – E15 PROFILE



WATERLINE PROFILE



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SCALE
HORZ: 1" = 50' / VERT 1"=5'

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Project Name: NORTH POINTE WENDYS
Date: 11/29/2023

CLEAR ALL (Ctrl+Shift+R)

data input cells
constant values
calculation cells
final results

BMP Design Specifications List: 2011 Stds & Specs

Site Information

Post-Development Project (Treatment Volume and Loads)

Land Cover (acres)

	A Soils	B Soils	C Soils	D Soils	Totals
Forest/Open Space (acres) -- undisturbed, protected forest/open space or reforested					0.00
Managed Turf (acres) -- disturbed, graded for yards or other turf to be		0.37			0.37
Impervious Cover (acres)		0.64			0.64
					1.01

Constants

Annual Rainfall (inches)	43
Target Rainfall Event (inches)	1.00
Total Phosphorus (TP) EMC (mg/L)	0.26
Total Nitrogen (TN) EMC (mg/L)	1.86
Target TP Load (lb/acre/yr)	0.41
Pj (unitless correction factor)	0.90

Runoff Coefficients (Rv)

	A Soils	B Soils	C Soils	D Soils
Forest/Open Space	0.02	0.03	0.04	0.05
Managed Turf	0.15	0.20	0.22	0.25
Impervious Cover	0.95	0.95	0.95	0.95

Post-Development Requirement for Site Area

TP Load Reduction Required (lb/yr)	**1.14**

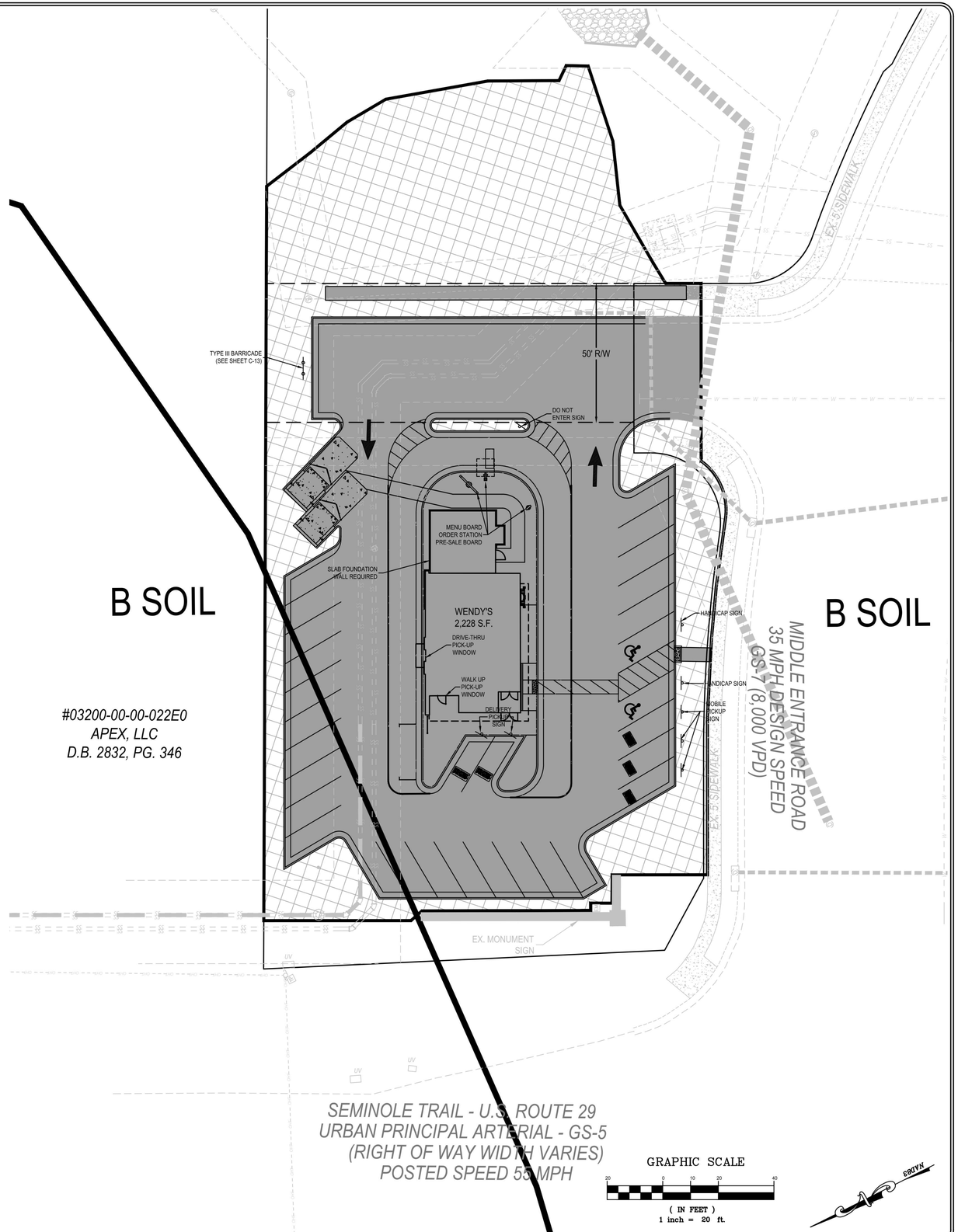
LAND COVER SUMMARY -- POST DEVELOPMENT

Land Cover Summary

Forest/Open Space Cover (acres)	0.00
Weighted Rv (forest)	0.00
% Forest	0%
Managed Turf Cover (acres)	0.37
Weighted Rv (turf)	0.20
% Managed Turf	37%
Impervious Cover (acres)	0.64
Rv (impervious)	0.95
% Impervious	63%
Site Area (acres)	**1.01**
Site Rv	**0.68**

Treatment Volume and Nutrient Loads

Treatment Volume (acre-ft)	0.0568
Treatment Volume (cubic feet)	2,476
TP Load (lb/yr)	1.56
TN Load (lb/yr) (Informational Purposes Only)	11.13



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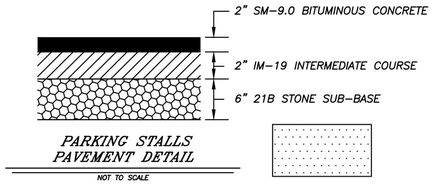
STORMWATER MANAGEMENT

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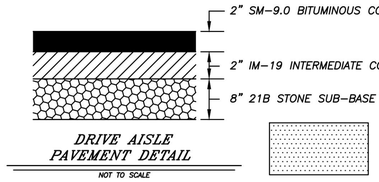
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PARKING STALLS PAVEMENT DETAIL

NOT TO SCALE

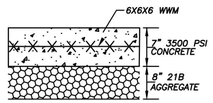


DRIVE AISLE PAVEMENT DETAIL

NOT TO SCALE

PAVEMENT NOTES:

1. ALL PAVEMENT SECTIONS ARE SUBJECT TO CHANGE BASED ON FIELD CBR REPORTS DURING CONSTRUCTION.

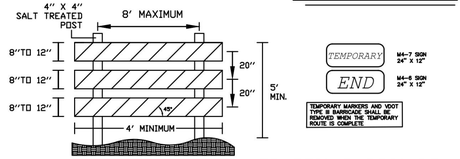


DUMPSTER PAD CONCRETE SECTION

NOT TO SCALE

CG-6	201.03	1 of 1
CG-12	203.08	4 of 5
WP-2	303.02	1 of 1
SL-1	106.14	1 of 1
PB-1	107.1	1 of 4
CD-1	108.4	1 of 1

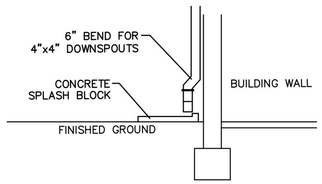
VDOT STANDARD DETAILS



TYPE III BARRICADE

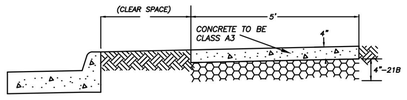
TRAFFIC BARRICADE

NOT TO SCALE



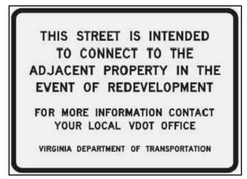
TYPICAL SPLASH BLOCK DETAIL

NOT TO SCALE



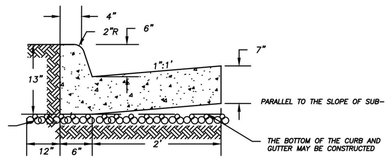
SIDEWALK DETAIL

NOT TO SCALE



STUB STREET SIGNAGE (INFILL DEVELOPMENT)

NOT TO SCALE



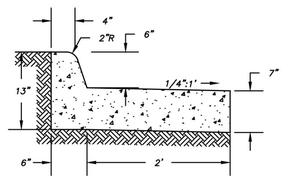
NOTE:
COMBINATION CURB AND GUTTER HAVING A RADIUS OF 300' OR LESS (ALONG FACE OF CURB) SHALL BE PAID FOR AS RADIAL COMBINATION CURB AND GUTTER.

THIS ITEM MAY BE PRECAST OR CAST IN PLACE.

CONCRETE TO BE CLASS A3 IF CAST IN PLACE, 4000 PSI IF PRECAST.

COMBINATION 6" CURB & GUTTER CG-6

NOT TO SCALE



NOTE:
COMBINATION CURB AND GUTTER HAVING A RADIUS OF 300' OR LESS (ALONG FACE OF CURB) SHALL BE PAID FOR AS RADIAL COMBINATION CURB AND GUTTER.

THIS ITEM MAY BE PRECAST OR CAST IN PLACE.

CONCRETE TO BE CLASS A3 IF CAST IN PLACE, 4000 PSI IF PRECAST.

MODIFIED/DRY COMBINATION 6" CURB & GUTTER CG-6

NOT TO SCALE



NOTE:
HANDICAPPED SPACES SHALL BE IDENTIFIED BY ABOVE GRADE SIGNS AS RESERVED FOR PHYSICALLY HANDICAPPED PERSONS.

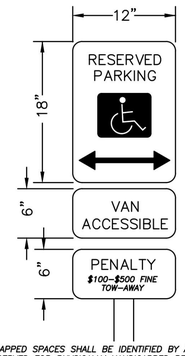
PROVIDE (1) 12" X18" SIGN AT EACH HANDICAPPED PARKING SPACE INDICATED ON THE SITE PLAN. SIGN WILL BE ALUMINUM (PAINTED WHITE) WITH GREEN LETTERS AND INTERNATIONAL WHEELCHAIR SYMBOL.

PROVIDE A 6" X 12" SIGN BELOW THE WHEELCHAIR SYMBOL SPECIFING PENALTIES FOR VIOLATION

THE LOWER EDGE OF SIGNS SHALL BE AT LEAST 60 INCHES ABOVE-GRADE.

REGULAR HANDICAPPED PARKING SIGN

NOT TO SCALE



NOTE:
HANDICAPPED SPACES SHALL BE IDENTIFIED BY ABOVE GRADE SIGNS AS RESERVED FOR PHYSICALLY HANDICAPPED PERSONS.

PROVIDE (1) 12" X18" SIGN AT EACH HANDICAPPED PARKING SPACE INDICATED ON THE SITE PLAN. SIGN WILL BE ALUMINUM (PAINTED BLUE) WITH WHITE LETTERS AND INTERNATIONAL WHEELCHAIR SYMBOL.

THE LOWER EDGE OF SIGNS SHALL BE AT LEAST FIVE (5) FEET ABOVE-GRADE, BUT NO HIGHER THAN SEVEN (7) FEET ABOVE-GRADE.

HANDICAPPED PARKING SIGN

NOT TO SCALE

STORM SEWER DESIGN COMPUTATIONS

PIPE SIZING

Design Storm = 10 Year

North Pointe - Wendy's

REVISED: ***1/4/2024***

1	2	3	4		5	6	7	8	9			10	11	12	13	14	15	16	17	18	UPPER
FROM	**TO**	**IDA**	**IMPERVIOUS**	**RUNOFF**	**"CA"**		**Tc**	**I10**	**Q10**	**I100**	**Q100**	**INV.ELEV.**		**L**	**S**	**D**	**Qcap**	**V10**	**Time**	**Status**	STRUCTURE TOP
POINT	**POINT**	**ACRES**	**ACRES**	**"C"**	**INC.**	**ACC.**	**MIN.**	**IN/HR**	**CFS**	**IN/HR**	**CFS**	**UPPER**	**LOWER**	**FT**	**FT/FT**	**IN**	**CFS**	**FPS**	**MIN.**		
1	**3**	0.11	0.10	0.80	0.09	0.09	5.00	**7.0**	**0.64**	**11.1**	**1.01**	454.83	453.79	104.49	0.0100	**15**	6.46	3.3	0.53	OK	458.90
3	**5**	0.13	0.12	0.85	0.11	0.20	5.53	**6.8**	**1.37**	**10.8**	**2.19**	453.69	453.29	79.39	0.0050	**15**	4.57	3.3	0.40	OK	458.10
5	**7**	0.00	0.00	0.00	0.00	0.20	5.93	**6.7**	**1.35**	**10.6**	**2.14**	453.19	453.05	27.27	0.0050	**15**	4.57	3.3	0.14	OK	457.15
7	**EX71**	0.12	0.11	0.85	0.10	0.31	6.07	**6.6**	**2.02**	**10.5**	**3.21**	452.95	450.65	78.37	0.0294	**15**	11.07	6.8	0.19	OK	456.60
9	**11**	0.05	0.05	0.85	0.05	0.05	5.00	**7.0**	**0.32**	**11.1**	**0.50**	454.63	454.08	27.23	0.0200	**15**	9.13	3.4	0.13	OK	459.15
11	**13**	0.04	0.04	0.85	0.03	0.08	5.13	**6.9**	**0.55**	**11.0**	**0.87**	453.98	449.07	122.96	0.0400	**15**	12.91	5.1	0.40	OK	459.65
13	**17**	0.10	0.10	0.90	0.09	0.17	5.53	**6.8**	**1.16**	**10.8**	**1.84**	448.97	448.29	13.62	0.0500	**15**	14.44	7.0	0.03	OK	457.45
15	**17**	0.04	0.04	0.90	0.04	0.04	5.00	**7.0**	**0.27**	**11.1**	**0.43**	451.10	448.29	56.20	0.0500	**15**	14.44	4.5	0.21	OK	456.85
17	**EX74**	0.00	0.00	0.00	0.00	0.21	5.56	**6.8**	**1.42**	**10.8**	**2.26**	448.19	447.74	8.91	0.0500	**15**	14.44	7.4	0.02	OK	456.50

HYDRAULIC GRADE LINE COMPUTATION

10 yr Event

												JUNCTION LOSS												
INLET/STATION Upstream Outflow	**OUTLET WATER SURFACE ELEV.**	**Do**	**Qo**	**Lo**	**Sfo %**	**Hf**	**Vo**	**Ho**	**Qi**	**Vi**	**QiVi**	**Vi^2/2g**	**Hi**	**Angle 90-15**	**K**	**delta H**	**Ht**	**1.3 Ht**	**0.5 Ht**	**Final H**	**Inlet Water Surface Elev.**	**Rim Elev.**	**WSE check**	Hydraulic Grade Line above Crown of Pipe	Overide Open Channel Flow Velocity with Velocity flowing full
1	**2**	3	4	5	6	7	8	9	10	11	12		13	14		15	16	17	18	19	20	21	21		
17	448.74	15	1.42	8.91	1.98	0.18	7.4	0.21	0.27	4.5	1.23	0.32	0.11	50	0.47	0.15	0.47	0.61	0.31	0.48	449.22	456.50	7.28	no	
15	449.29	15	0.27	56.20	0.73	0.41	4.5	0.08	0.00	0.0	0.00	0.00	0.00	0	0.19	0.00	0.08	0.10	0.05	0.46	449.75	456.85	7.10	no	
13	449.29	15	1.16	13.62	1.75	0.24	7.0	0.19	0.55	5.1	2.80	0.41	0.14	40	0.38	0.16	0.49	0.63	0.32	0.55	449.84	457.45	7.61	no	
11	450.07	15	0.55	122.96	0.95	1.17	5.1	0.10	0.32	3.4	1.08	0.18	0.06	30	0.28	0.05	0.22	0.28	0.14	1.31	451.38	459.65	8.27	no	
9	455.08	15	0.32	27.23	0.42	0.11	3.4	0.05	0.00	0.0	0.00	0.00	0.00	0	0.19	0.00	0.05	0.06	0.03	0.14	455.23	459.15	3.92	no	
7	451.65	15	2.02	78.37	1.69	1.32	6.8	0.18	1.35	3.3	4.38	0.16	0.06	20	0.22	0.04	0.27	0.36	0.18	1.50	453.15	456.60	3.45	no	
5	454.05	15	1.35	27.27	0.38	0.10	3.3	0.04	0.64	3.3	2.10	0.17	0.06	70	0.61	0.10	0.20	0.27	0.13	0.24	454.29	457.15	2.86	no	
3	454.29	15	1.37	79.39	0.39	0.31	3.3	0.04	0.00	0.0	0.00	0.00	0.00	0	0.19	0.00	0.04	0.05	0.03	0.33	454.62	458.10	3.48	no	
1	454.79	15	0.64	104.49	0.40	0.41	3.3	0.04	0.00	0.0	0.00	0.00	0.00	0	0.19	0.00	0.04	0.06	0.03	0.44	455.23	458.90	3.67	no	

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COMMONWEALTH OF VIRGINIA
DREW C. WARD
Lic. No. 063917
01 / 05 / 2024
PROFESSIONAL ENGINEER

NORTHPOINTE
WENDY'S
RIVANNA DISTRICT
ALBEMARLE COUNTY, VIRGINIA

DETAILS

REVISIONS

DATE	ITEM

DATE
01 / 05 / 2024

SCALE
NO SCALE

DRAWN BY
CMA

DESIGNED BY
DREW C. WARD, P.E.

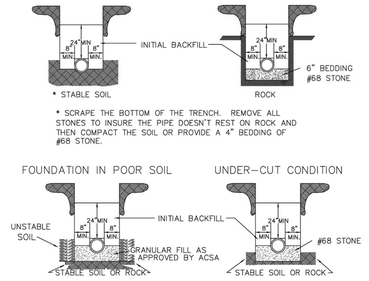
CHECKED BY
DREW C. WARD, P.E.

PROJ.#
20230209

SHEET #
C - 11

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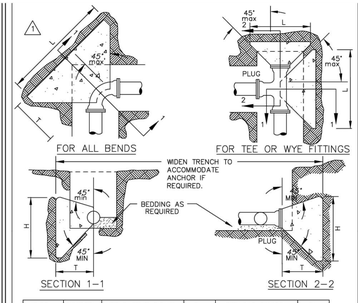
NOTE :

1. NO ROCKS SHALL BE ALLOWED WITHIN 24" OF THE WATER LINES.
2. NO ROCKS LARGER THAN 6" IN ANY DIMENSION SHALL BE ALLOWED ABOVE THE INITIAL BACKFILL.
3. THE INITIAL BACKFILL SHALL BE PLACED AND COMPACTED IN 6" LIFTS.
4. NO ORGANIC OR FROZEN MATERIAL OR DEBRIS SHALL BE ALLOWED IN THE TRENCH.
5. BELL HOLES SHALL BE DUG OUT IN ALL CASES.

DUCTILE IRON WATER PIPE INSTALLATION & BEDDING

NTS
FIG. W-2

TD-2



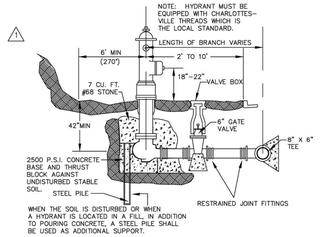
PIPE SIZE	DEGREE OF BEND	BEND DIMENSIONS (FEET) L	H	T	VOL. CU.YD.	TEE AND PLUGS (FEET) L	H	T	VOL. CU.YD.
4" & 6"	90	2.50	2.50	3.01	0.24	2.00	2.25	2.50	0.15
	45	2.00	2.25	2.60	0.15				
	22 1/2	1.50	2.00	2.52	0.10				
	11 1/4	1.50	2.00	2.50	0.10				
8"	90	3.66	3.16	3.21	0.48	3.16	2.91	2.66	0.32
	45	2.66	2.66	2.77	0.26				
	22 1/2	1.66	2.16	2.69	0.13				
	11 1/4	1.66	2.16	2.67	0.13				
10" & 12"	90	4.83	3.83	3.42	0.83	3.83	4.00	2.83	0.52
	45	3.33	3.58	2.95	0.43				
	22 1/2	2.33	2.58	2.86	0.24				
	11 1/4	1.83	2.33	2.84	0.13				

1. THRUST BLOCKS ARE REQUIRED WHENEVER THE PIPELINE : CHANGES DIRECTION, CHANGES SIZE, DEAD ENDS AND AT VALVES.
2. USE 2500 P.S.I. CONCRETE.
3. NO CONCRETE SHALL BE POURED ON ANY PART OF THE JOINT.
4. THE CONSULTING ENGINEER SHALL BE RESPONSIBLE TO THE VERIFY THE TYPE & SIZE OF ALL THRUST BLOCKS.

CONCRETE THRUST BLOCKS

NTS
FIG. W-3

TD-3



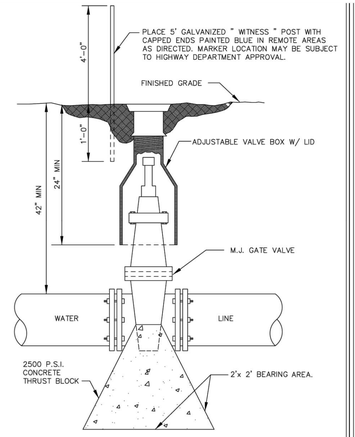
NOTE :

1. SURROUND WEEP HOLES WITH GRAVEL AND KEEP FREE OF CONCRETE.
2. MAINTAIN A 3 1/2" MIN. COVER FROM THE MAIN TO THE FIRE HYDRANT (INCLUDING DITCHES)
3. FINISHED GRADE SHALL SLOPE AWAY FROM THE FIRE HYDRANT AND VALVE BOX.
4. THE GATE VALVE IS ALLOWED IN SHOULDER OR BEHIND THE DITCH. IT IS NOT ALLOWED IN THE DITCH.
5. FIRE HYDRANTS SHALL BE INSTALLED AT LOCATIONS WHERE WEEP HOLES ARE ABOVE THE PREVAILING GROUNDWATER ELEVATION. IF REQUIRED TO BE IN WET AREAS, THE WEEP HOLES SHALL BE PLUGGED AND THE HYDRANT SHALL BE PUMPED DRY.

TYPICAL FIRE HYDRANT ASSEMBLY DETAIL

N.T.S.
FIG. W-4

TD-8

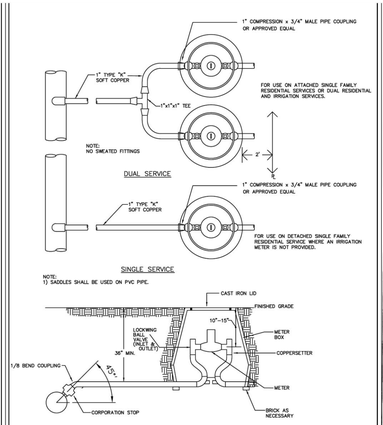


NOTE : IN REMOTE AREAS, VALVE BOXES SHALL EXTEND SIX (6) INCHES ABOVE GRADE.

TYPICAL GATE VALVE

NTS
FIG. W-5

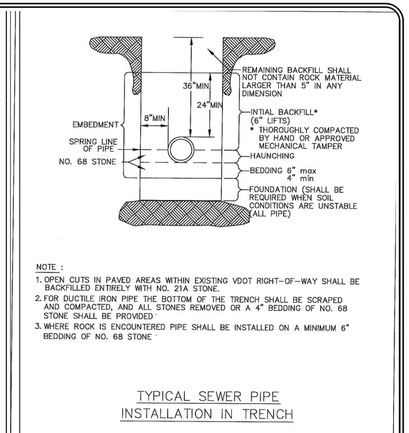
TD-9



TYPICAL SERVICE LATERAL INSTALLATION (5/8" & 1" METERS)

NTS
FIG. W-6A

TD-10



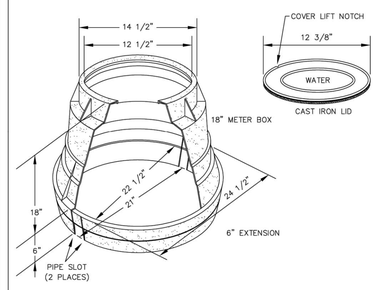
NOTE :

1. OPEN CUTS IN PAVED AREAS WITHIN EXISTING VDOT RIGHT-OF-WAY SHALL BE BACKFILLED ENTIRELY WITH NO. 21A STONE.
2. FOR DUCTILE IRON PIPE THE BOTTOM OF THE TRENCH SHALL BE SCRAPED AND COMPACTED, AND ALL STONES REMOVED OR A 4" BEDDING OF NO. 68 STONE SHALL BE PROVIDED.
3. WHERE ROCK IS ENCOUNTERED PIPE SHALL BE INSTALLED ON A MINIMUM 6" BEDDING OF NO. 68 STONE.

TYPICAL SEWER PIPE INSTALLATION IN TRENCH

NTS
FIG. S-3

TD-34

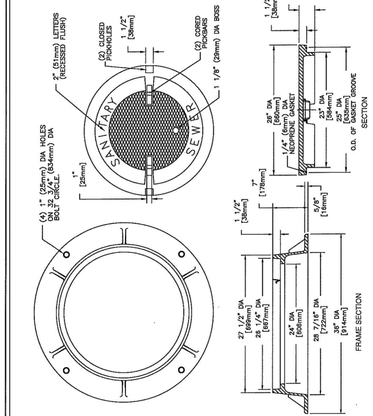


NOTES:
(1) A 1-3/4" DIAMETER HOLE IS REQUIRED IN THE LID FOR TOUCH READ METERS.

TYPICAL METER BOXES (5/8"-1" METERS)

NTS
FIG. W-7

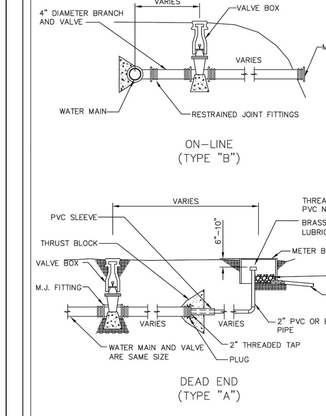
TD-13



TYPICAL MANHOLE FRAME & COVER

N.T.S
FIG S-I-D

TD-31



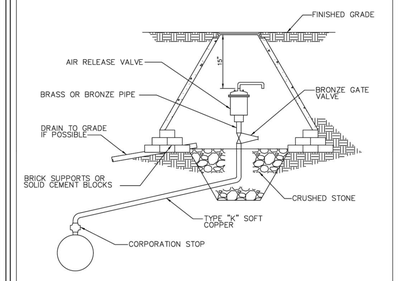
ON-LINE
(TYPE "B")

DEAD END
(TYPE "A")

TYPICAL BLOW-OFF ASSEMBLY

NTS
FIG. W-8

TD-19

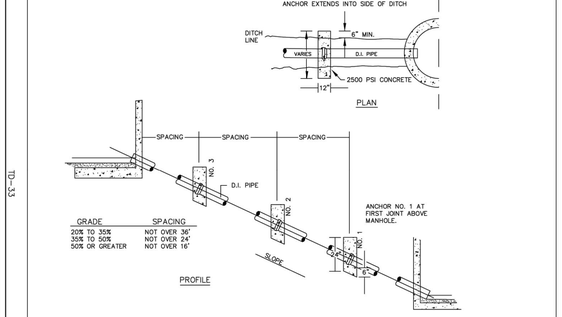


NOTES:
1) A PRECAST MANHOLE CONE AND COVER WITH WATER CAST ON LID FOR TRAFFIC AREAS, OR A METER BOX ASSEMBLY IN NON-TRAFFIC AREAS, OR APPROVED EQUAL, SHALL BE USED.
2) FOR WATERLINES SMALLER THAN 12" USE A 1" A.R.V. AND FITTINGS. FOR WATER LINES 12" AND LARGER USE 2" A.R.V. AND FITTINGS.
3) IN SITUATIONS WHERE THE A.R.V. ASSEMBLY CANNOT BE OFFSET FROM THE MAIN AN ADEQUATE FOUNDATION SHALL BE INSTALLED SO THE WATER LINE DOES NOT SUPPORT THE MANHOLE CONE.

AIR RELEASE VALVE (ARV)

NTS
FIG. W-9

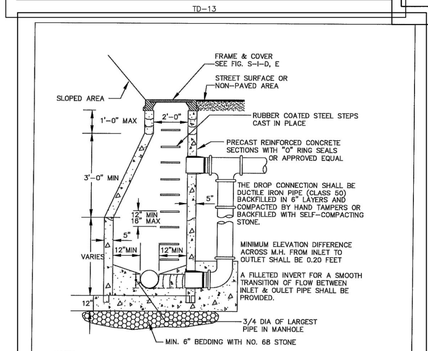
TD-20



TYPICAL ANCHOR DETAIL FOR SEWERS ON GRADES 20% AND GREATER

N.T.S
FIG. S-4

TD-33



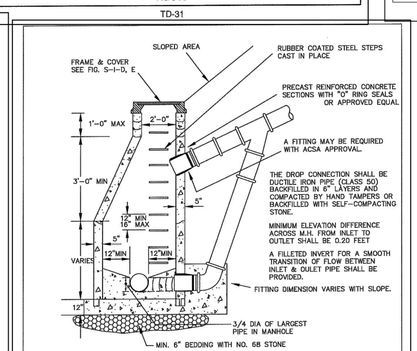
NOTES:

1. BEDDING THICKNESS REQUIREMENTS SHOWN ARE MINIMUM AND SHALL BE SPECIFICALLY DETERMINED BY THE CONSULTANT FOR THE SOIL CONDITIONS.
2. THE CONSULTANT SHALL DETERMINE WHETHER MANHOLES SHALL HAVE EXTENDED OR NON-EXTENDED BASES.
3. ALL JOINTS, LIFT HOLES, INLETS, OUTLETS TO BE SEALED & GROUTED INSIDE AND OUT.
4. SPECIAL CONSIDERATION SHALL BE GIVEN FOR ENTRANCE DESIGN ON SEWERS WITH STEEP SLOPES.

TYPICAL MANHOLE WITH DROP CONNECTION

NTS
FIG. S-I-C

TD-28



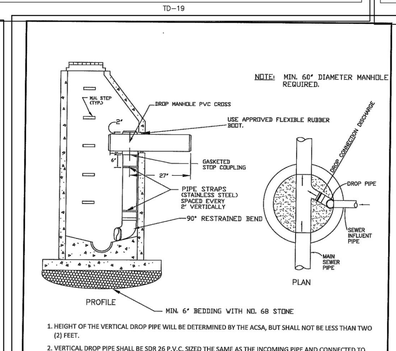
NOTES:

1. BEDDING THICKNESS REQUIREMENTS SHOWN ARE MINIMUM AND SHALL BE SPECIFICALLY DETERMINED BY THE CONSULTANT FOR THE SOIL CONDITIONS.
2. THE CONSULTANT SHALL DETERMINE WHETHER MANHOLES SHALL HAVE EXTENDED OR NON-EXTENDED BASES.
3. ALL JOINTS, LIFT HOLES, INLETS, OUTLETS TO BE SEALED & GROUTED INSIDE AND OUT.

TYPICAL MANHOLE DROP CONNECTION WITH STEEP INCOMING SLOPE

NTS
FIG. S-1-C1

TD-29

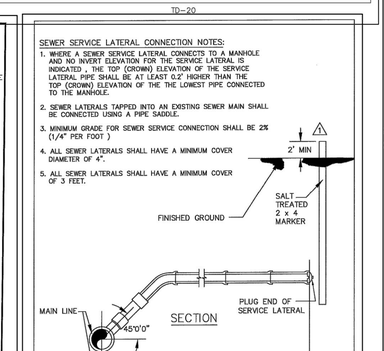


1. HEIGHT OF THE VERTICAL DROP PIPE WILL BE DETERMINED BY THE ACSA, BUT SHALL NOT BE LESS THAN TWO (2) FEET.
2. VERTICAL DROP PIPE SHALL BE SDR 26 P.V.C, SIZED THE SAME AS THE INCOMING PIPE AND CONNECTED TO THE DROP FITTING WITH STANDARD GASKET JOINT.
3. VERTICAL DROP PIPE SHALL BE STRAPPED TO THE MANHOLE AT PIPE JOINTS. STRAPS SHALL BE MADE OF STAINLESS STEEL.
4. SHAPE INVERT AS NEEDED TO PROVIDE SMOOTH TRANSITION FROM DROP CONNECTION DISCHARGE POINT TO SPRING LINE OF MANHOLE INVERT.
5. DROP CONNECTION DISCHARGE FITTING SHALL BE ORIENTED AT 45 DEGREES, INTO THE FLOW.
6. VERTICAL DROP PIPE SHALL BE INSTALLED AT 90 DEGREES FROM THE ACCESS STEPS.
7. MINIMUM 72" DIAMETER MANHOLE REQUIRED FOR A SINGLE 10" OR 12" DIAMETER DROP CONNECTION, OR TWO 8" DIAMETER DROP CONNECTIONS.

STANDARD INTERNAL DROP CONNECTION

N.T.S.
FIG. S-1-C2

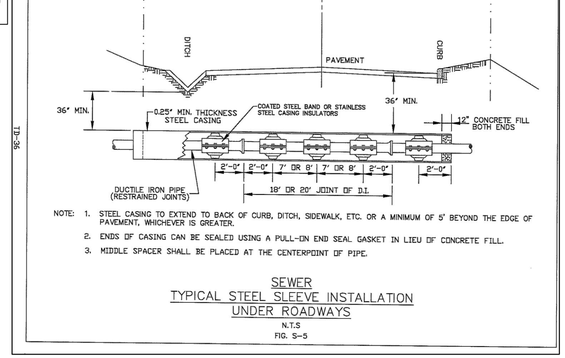
TD-30



SEWER SERVICE LATERAL CONNECTION

M.T.S.
FIG. S-2

TD-33



NOTE: 1. STEEL CASING TO EXTEND TO BACK OF CURB, DITCH, SIDEWALK, ETC. OR A MINIMUM OF 5' BEYOND THE EDGE OF PAVEMENT, WHICHEVER IS GREATER.
2. ENDS OF CASING CAN BE SEALED USING A PULL-ON END SEAL GASKET IN LIEU OF CONCRETE FILL.
3. MIDDLE SPACER SHALL BE PLACED AT THE CENTERPOINT OF PIPE.

SEWER TYPICAL STEEL SLEEVE INSTALLATION UNDER ROADWAYS

N.T.S
FIG. S-5

TD-35

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COMMONWEALTH OF VIRGINIA
DREW C. WARD
Lic. No. 063917
01 / 05 / 2024
PROFESSIONAL ENGINEER

NORTHPOINTE
WENDY'S
RIVANNA DISTRICT
ALBEMARLE COUNTY, VIRGINIA

UTILITY DETAILS

REVISIONS

DATE	ITEM

DATE
01 / 05 / 2024

SCALE
NO SCALE

DRAWN BY
CMA

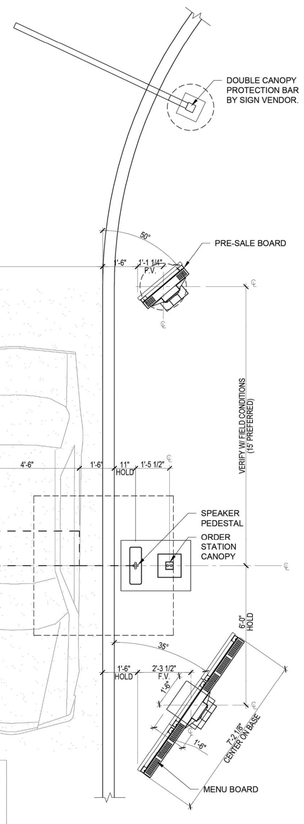
DESIGNED BY
DREW C. WARD, P.E.

CHECKED BY
DREW C. WARD, P.E.

PROJ.#
20230209

SHEET #
C - 12

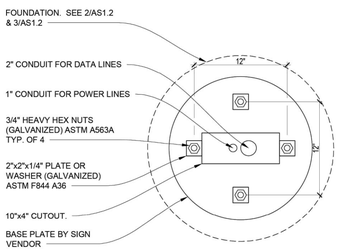
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DETECTOR LOOP NOTES:

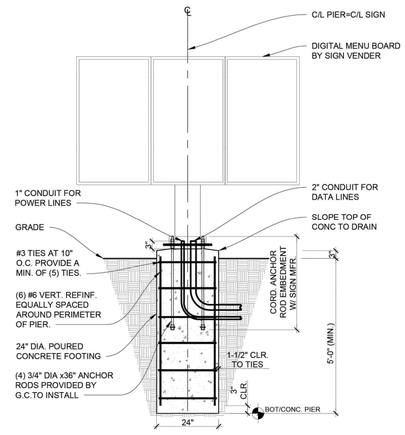
1. LOOP SHOULD BEGIN 18" OUT FROM BACK OF CURB.
2. INSTALL LOOP TO BE 2 1/2" BELOW TOP OF PAVEMENT.
3. THE FORWARD EDGE OF THE LOOP SHOULD BE LINED UP WITH CENTERLINE OF THE DRIVE-THRU WINDOW OR SPEAKER PEDESTAL.
4. A 3' AREA FROM THE LOOP MUST BE KEPT CLEAR OF METAL, INCLUDING REBAR, REINFORCING MESH, OTHER ELECTRICAL CABLES OR CONDUIT.
5. SEE DETECTOR LOOP MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.
6. SEE G2.1 RESPONSIBILITY SCHEDULE FOR ADDITIONAL INFORMATION.

ORDER STATION PLAN VIEW 8
3/8" = 1'-0"

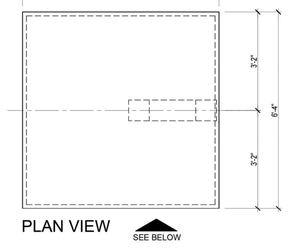


PLAN VIEW MENU BOARD / PRE-SALE BOARD FOOTING 7
1 1/2" = 1'-0"

CANOPY PROTECTION BAR 5
1/2" = 1'-0"

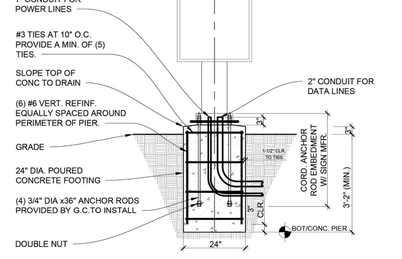


MENU BOARD FOUNDATION 3
1/2" = 1'-0"

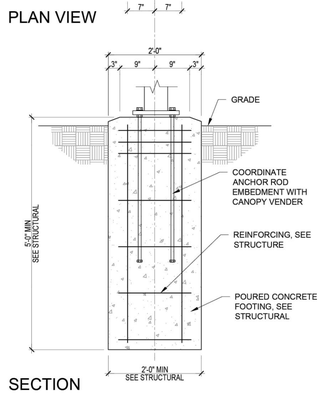


PLAN VIEW

SEE BELOW

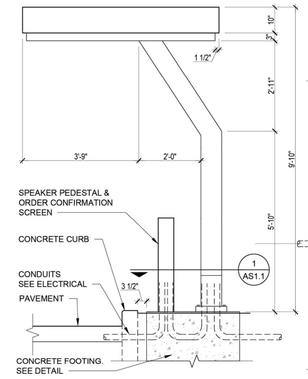


PRE-SALE BOARD FOUNDATION 2
1/2" = 1'-0"



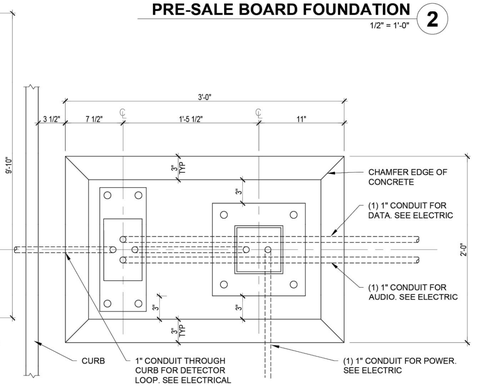
SECTION

CANOPY FOOTING SECTION 6
3/4" = 1'-0"



ELEVATION

ORDER STATION CANOPY 4
1/2" = 1'-0"



ORDER STATION CANOPY FOOTING 1
1 1/2" = 1'-0"

SITE NUMBER:	#####
BASE MODEL:	NEXT GEN
ASSET TYPE:	COMPANY
CLASSIFICATION:	NEW
OWNER:	COMPANY
BASE VERSION:	2022
UPGRADE CLASSIFICATION:	NEW BUILD
PROJECT YEAR:	2023
FURNITURE PACKAGE:	NEXT GEN
DRAWING RELEASE:	2023

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PROJECT TYPE: NEXT GEN

Wendy's

STREET
CITY, STATE ZIP

REV.	DATE	DESCRIPTION

ISSUE DATE: 07/24/2023
PROJECT NUMBER: 230271.000
DRAWN BY: DDS
CHECKED BY: MLL

SEAL

REFERENCE SET 07-25-2023

SHEET NAME
SITE PLAN DETAILS SINGLE LANE

SHEET NUMBER
AS1.1

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01 / 05 / 2024
PROFESSIONAL ENGINEER

NORTHPOINTE
WENDY'S
RIVANNA DISTRICT
ALBEMARLE COUNTY, VIRGINIA

WENDY'S DETAILS

REVISIONS

DATE	ITEM

DATE
01 / 05 / 2024

SCALE
NO SCALE

DRAWN BY
CMA

DESIGNED BY
DREW C. WARD, P.E.

CHECKED BY
DREW C. WARD, P.E.

PROJ.#
20230209

SHEET #
C - 13

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PURPOSE

9VAC25-870-54 of the Virginia Stormwater Management Program (VSMP) Permit Regulations requires that Stormwater Pollution Prevention Plan (SWPPP) be developed for all regulated land disturbing activities. The SWPPP must include, but not be limited to, an approved erosion and sediment control plan, an approved stormwater management plan, and this **Pollution Prevention Plan** (PPP) for regulated land disturbing activities, and a description of any additional control measures necessary to address a TMDL as applicable.

The plan for implementing pollution prevention measures during construction activities developed on this sheet must be implemented and updated as necessary. Any PPP requirements not included on this sheet must be incorporated into the SWPPP required by **9VAC25-870-54** that must be developed before land disturbance commences. This PPP identifies potential sources of pollutants that may reasonable be expected to affect the quality stormwater discharges from the construction site (both on- and off-site activities) and describes control measures that will be used to minimize pollutants in stormwater discharges from the construction site.

OTHER REFERENCED PLANS

SWPPP requirements may be fulfilled by incorporating, by reference, other plans. All plans incorporated by reference become enforceable under the VSMP Permit Regulations and General Permit VAR10 for Discharges of Stormwater from Construction Activities. If a plan incorporated by reference does not contain all of the required elements of the PPP, the operator must develop the missing elements and include them in the SWPPP.

Independent Plans Incorporated by Reference	Date Approved
Stormwater Management Plans (Regional or Master)	
Spill Prevention, Control, and Countermeasure Plans	
Off-Site Stockpile	
Off-Site Borrow Area	

POTENTIAL POLLUTANT SOURCES

The following sources of potential pollutants must be addressed in the Pollution Prevention Plan. Various controls and/or measures designed to prevent and/or minimize pollutants in stormwater discharges from the project site must be applied to the sources found on the site. Additional information concerning the following controls and/or measures may be found in the SWPPP. Deviations from the location criteria may be approved by the County's Environmental **Engineering** Inspector.

LEAKS, SPILLS, AND OTHER RELEASES

- ✓ The operator(s) shall ensure procedures are in place to prevent and respond to all leaks, spills and other releases of pollutants.
- ✓ The operator(s) shall ensure all leaks, spills and other releases of pollutant are contained and cleaned immediately upon discovery. Any contaminated materials are to be disposed in accordance with federal, state, and/or local requirements.
- ✓ The operator(s) shall ensure spill containment kits containing appropriate materials (e.g., absorbent material and pads, brooms, gloves, sand, etc.) are available at appropriate locations, including, but not limited to: designated areas for vehicle and equipment maintenance; vehicle and equipment fueling; storage and disposal of construction materials, products, and waste; and storage and disposal of hazardous and toxic materials; and sanitary waste facilities.
- ✓ The locations of the spill containment kits are identified as described below:

Date	Shown on Plan Sheet #(s)	Location
Approved Plan		
REVISIONS TO LOCATIONS		
Date	Shown on Plan Sheet #(s)	Location	Operator(s) Initials

- ✓ The operator(s) shall notify the Department of Environmental Quality of leaks, spills, and other releases that discharge to or have the potential to discharge to surface waters immediately upon discovery of the discharge but in no case later than 24 after the discovery.
- ✓ The operator(s) shall notify the Department of Environmental Quality (DEQ) of leaks, spills, and other releases that discharge to or have the potential to discharge to surface waters immediately upon discovery of the discharge but in no case later than 24 after the discovery. Written notice of the discharge must be sent to DEQ and County within five (5) days of the discovery.

Virginia Department of Environmental Quality P.O. Box 1105 Richmond, VA 23218 1-(804) 698-4000 1-800-592-5482 (Toll Free in VA) (800) 468-8892 (outside normal working hours)	**Chesterfield County** **Dept. of Environmental Engineering** **9800 Government Center Parkway** **P.O. Box 40** **Chesterfield, Virginia 23832-0040** **(804) 796-7106** **(804) 661-0717**

EQUIPMENT / VEHICLE WASHING

- ✓ Washing must be conducted in a ***dedicated area*** that is located to maximize the distance from storm drain inlets, ditches, waterbodies or wetlands but no less than 50 feet from those features.
- ✓ All wash water used in vehicle wheel washing must be directed to a sediment basin/trap.
- ✓ All vehicle washing activities other than wheel washing must have secondary containment.
- ✓ Each facility must have appropriate signage to inform users where the ***dedicated area(s)*** are located.

Activity	Location of ***Dedicated Area(s)***	Shown on Plan Sheet #(s)	Water Source Location
Wheel Wash			
Other Wash Areas			
REVISIONS TO LOCATIONS			
Activity	Location of ***Dedicated Area(s)***	Shown on Plan Sheet #(s)	Water Source Location	Operator's Initials

VEHICLE FUELING AND MAINTENANCE

- ✓ Conduct regular maintenance in a ***dedicated area*** that is located to maximize the distance from storm drain inlets, ditches, waterbodies or wetlands but no less than 50 feet from those features.
- ✓ If fueling is conducted at a ***dedicated area***, the location must be located to maximize the distance from storm drain inlets, ditches, waterbodies or wetlands but no less than 50 feet from those features.
- ✓ The ***dedicated areas*** must be designed to eliminate the discharge of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities by providing secondary containment (spill berms, decks, spill containment pallets, providing cover where appropriate, and having spill kits readily available).
- ✓ Each facility must have appropriate signage to inform users where the ***dedicated area(s)*** are located.

Date	Shown on Plan Sheet #(s)	Location of ***Dedicated Area(s)***	
Approved Plan			
REVISIONS TO LOCATIONS			
Date	Shown on Plan Sheet #(s)	Location of ***Dedicated Area(s)***	Operator's Initials

- ✓ If mobile fueling will be used, the fueling must be done in an area that located to maximize the distance from storm drain inlets, ditches, waterbodies or wetlands but no less than 50 feet from those features.
- ✓ Spill kits must be readily available at all mobile fueling locations.
- ✓ On-site storage tanks must have a means of secondary containment (spill berms, decks, spill containment pallets, etc.) and must be covered where appropriate.
- ✓ All vehicles on site must be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage.

DISCHARGE FROM STORAGE, HANDLING, AND DISPOSAL OF CONSTRUCTION PRODUCTS, MATERIALS, AND WASTE

- ✓ Storage of construction products, materials, and waste is to be conducted in ***dedicated areas***.
- ✓ The ***dedicated area*** must be located to maximize the distance from storm drain inlets, ditches, waterbodies or wetlands but no less than 50 feet from those features. Separations of less than 50 feet may be approved by the Environmental Inspector.
- ✓ The ***dedicated areas*** must be designed to minimize the discharge of pollutants from storage, handling, and disposal of construction products, materials and wastes including (i) building products such as asphalt sealants, copper flashing, roofing materials, adhesives, concrete admixtures; (ii) pesticides, herbicides, insecticides, fertilizers, and landscape materials; and (iii) construction and domestic wastes such as packaging materials, scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, Styrofoam, concrete and other trash or building products..
- ✓ Each facility must have appropriate signage to inform users where the ***dedicated area(s)*** are located.

Date	Shown on Plan Sheet #(s)	Location(s) of ***Dedicated Area(s)*** for storage of construction products and materials	
Approved Plan			
REVISIONS TO LOCATIONS			
Date	Shown on Plan Sheet #(s)	Location(s) of ***Dedicated Area(s)*** for storage of construction products and materials	Operator(s) Initials

Date	Shown on Plan Sheet #(s)	Location(s) of ***Dedicated Area(s)*** for waste from construction products and materials	
Approved Plan			
REVISIONS TO LOCATIONS			
Date	Shown on Plan Sheet #(s)	Location(s) of ***Dedicated Area(s)*** for waste from construction products and materials	Operator(s) Initials

- ✓ Follow all federal, state, and local requirements that apply to the use, handling and disposal of pesticides, herbicides, and fertilizers.
- ✓ Keep chemicals on-site in small quantities and in closed, well marked containers.
- ✓ Clean up solid waste, including building materials, garbage, and debris on a daily basis and deposit into covered dumpsters that are periodically emptied.
- ✓ Schedule waste collection to prevent exceeding the capacity of onsite containers. Additional containers may be necessary depending on the phase of construction (e.g., demolition, etc.).
- ✓ Dispose of all solid waste at an authorized disposal site.
- ✓ Ensure that containers have lids or are otherwise protected from exposure to precipitation.

DISCHARGES FROM OTHER POTENTIAL POLLUTANT SOURCES

- ✓ Discharges from other pollutant sources (e.g., water line flushing, storm sewer flushing, above ground storage tanks, etc.) not mentioned elsewhere must be addressed.

Other Potential Pollutant Sources	Location(s) of Potential Pollutant Sources

- ✓ Above ground oil storage tanks with a storage capacity exceeding 1,320 gallons and have a reasonable expectation of a discharge into or upon Waters of the United States are required to have a Spill Prevention Control and Countermeasure (SPCC) Plan.
- ✓ The discharge of contaminated flush water and material removed during flushing operations must be collected and disposed of in accordance with appropriate federal, state, and local requirements.

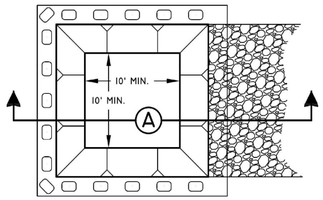
DISCHARGES FROM CONCRETE RELATED WASH ACTIVITIES

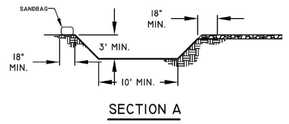
- ✓ Concrete trucks are not allowed to wash out or discharge surplus concrete or drum wash water on site except in a ***dedicated area(s)*** that is located to prevent discharge to storm drain inlets, ditches, waterbodies or wetlands but no less than 50 feet from those features.
- ✓ Each facility must have a stabilized access to prevent mud tracking into the street.
- ✓ Each facility must have appropriate signage to inform users where the ***dedicated area(s)*** are located.

Date	Shown on Plan Sheet #(s)	Location of ***Dedicated Area(s)***	
Approved Plan			
REVISIONS TO LOCATIONS			
Date	Shown on Plan Sheet #(s)	Location of ***Dedicated Area(s)***	Operator's Initials

- ✓ Facilities must be cleaned, or new facilities constructed, once the washout area is two-thirds (2/3) full.

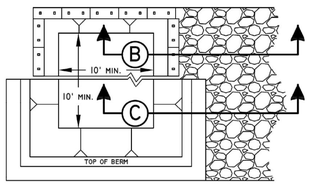
BELOW GRADE CONCRETE WASHOUT AREA

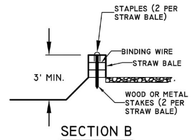




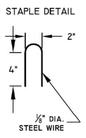
SECTION A

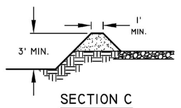
ABOVE GRADE CONCRETE WASHOUT AREA





SECTION B





SECTION C

CONCRETE WASHOUT AREA NOTES

- ✓ The facility must be lined with 10 mil plastic lining that is free from holes, tears, or other defects that might compromise the material's impermeability.
- ✓ The lining must be anchored with staples (2' spacing) or sandbags.
- ✓ Side slopes must be 1:1 (horizontal:vertical) or flatter.
- ✓ Stone access must be provided between the street and the concrete washout area.
- ✓ A "Concrete Washout" sign must be installed within 30 feet of the washout facility. The sign must be no smaller than 2' tall by 4' wide.

DISCHARGES OF SOAPS, DETERGENTS, SOLVENTS, AND WASH WATER FROM CONSTRUCTION ACTIVITIES SUCH AS CLEANUP OF STUCCO, PAINT, FORM RELEASE OILS, AND CURING COMPOUNDS

- ✓ Washing activities associated with construction activities other than vehicle and equipment washing, such as clean up of stucco, paint, form release oils, and curing compounds are to be conducted in a ***dedicated area***.
- ✓ The ***dedicated area*** must be located to maximize the distance from storm drain inlets, ditches, waterbodies or wetlands but no less than 50 feet from those features. Separations of less than 50 feet may be approved by the Environmental Inspector.
- ✓ The ***dedicated areas*** must be designed to prevent the discharge of soaps, detergents, solvents, and wash water.

Date	Shown on Plan Sheet #(s)	Location(s) of ***Dedicated Area(s)***	
Approved Plan			
REVISIONS TO LOCATIONS			
Date	Shown on Plan Sheet #(s)	Location(s) of ***Dedicated Area(s)***	Operator(s) Initials

- ✓ The ***dedicated area*** must be covered (e.g., plastic sheeting, temporary roof, etc.) to prevent contact with stormwater.
- ✓ The contaminated wastewater from the ***dedicated area*** must be collected for disposal by a waste hauler or discharged to the sanitary sewer.
- ✓ In situations where these pollutants are or could be generated at locations other than at the ***designated area*** (e.g., concrete pours, building washing, etc.), cover (e.g., plastic sheeting, temporary roof, etc.) must be provided to prevent contact with stormwater and the contaminated wastewater from the activity must be collected for disposal by a waste hauler or discharged to the sanitary sewer.

DISCHARGES OF HAZARDOUS, TOXIC, AND SANITARY WASTE

- ✓ Storage and disposal of hazardous, toxic and sanitary wastes are to be conducted in ***dedicated areas***.
- ✓ The ***dedicated areas*** must be located to maximize the distance from storm drain inlets, ditches, waterbodies or wetlands but no less than 50 feet from those features. Separations of less than 50 feet may be approved by the Environmental Inspector.
- ✓ The ***dedicated areas*** must be designed to prevent the discharge of hazardous, toxic and sanitary waste by avoiding contact with precipitation
- ✓ Each facility must have appropriate signage to inform users where the ***dedicated area(s)*** are located.

Date	Shown on Plan Sheet #(s)	Location(s) of ***Dedicated Area(s)*** for storage and disposal of hazardous and toxic wastes	
Approved Plan			
REVISIONS TO LOCATIONS			
Date	Shown on Plan Sheet #(s)	Location(s) of ***Dedicated Area(s)*** for storage and disposal of hazardous and toxic wastes	Operator(s) Initials

Date	Shown on Plan Sheet #(s)	Location(s) of ***Dedicated Area(s)*** for portable toilets	
Approved Plan			
REVISIONS TO LOCATIONS			
Date	Shown on Plan Sheet #(s)	Location(s) of ***Dedicated Area(s)*** for portable toilets	Operator(s) Initials

- ✓ Consult with local waste management authorities or private firms about the requirements for disposing of hazardous materials and/or soils that may be contaminated with hazardous materials.
- ✓ Never remove the original product label from the container. Follow the manufacturer's recommended method of disposal.
- ✓ Schedule periodic pumping of portable toilets and dispose of waste
- ✓ Dispose of all solid waste at an authorized disposal site.

SWPPP MODIFICATIONS AND REVISIONS

The operator(s) shall ensure the SWPPP is modified and/or revised to reflect:

- ✓ Changes in qualified personnel; delegated authorities or other personnel required as a condition of the General Construction Permit;
- ✓ Changes in site conditions;
- ✓ Changes in the design, construction, operation, or maintenance of the construction site that affect the potential for discharges of pollutants that are not addressed in the normal implementation of the plan; and
- ✓ Ineffective control measures identified during inspections or investigations conducted by the operator's qualified personnel or local, state or federal officials.

Modifications/revisions to the SWPPP shall include additional or modified control measures to address the identified deficiencies.

If the necessary modifications/revisions require approval by the Administrator or DEQ, the modifications/revisions must be implemented no later than seven (7) calendar days following approval.

If the necessary modifications/revisions do not require approval by the Administrator, the modifications/revisions must be implemented prior to the next anticipated storm event or as soon as practicable.

Blocks colored blue indicate information must be provided by the Operator or Delegated Authority

Blocks colored yellow indicate information must be provided by the Consultant prior to plan approval

SWPPP UPDATES

The operator(s) shall update the SWPPP to include:

- ✓ A record of dates when 1) major grading activities occur, 2) construction activities temporarily or permanently cease on a portion of the site, and 3) stabilization measures are initiated;
- ✓ Documentation of modifications and revisions to the SWPPP;
- ✓ Areas that have reached final stabilization where no further SWPPP or inspection requirements apply;
- ✓ All properties that are no longer under the legal control of the operator and the dates on which the operator no longer had legal control over each property; and
- ✓ The date, volume, and corrective/preventative actions implemented for any prohibited discharge.

The operator(s) shall update the SWPPP no later than seven (7) days following any of the situations identified above.

OPERATOR INSPECTIONS

The operator(s) identified below shall provide for inspections of the permitted land-disturbing activities by the qualified personnel identified below. The inspections will be conducted (select one the following options):

☐ at least once every four (4) business days; or
☐ at least once every five (5) business days *and* no later than 48 hours following any measurable storm event.

Where areas are in a stabilized condition or runoff is unlikely due to winter conditions, the inspection frequency may be reduced to once every 30 days while these conditions exist. Otherwise, the operator(s) shall resume the regular inspection frequency identified above.

The operator(s) shall provide for inspections of the permitted land-disturbing activity to ensure implementation and continued maintenance of all requirements of the Stormwater Pollution Prevention Plan (Erosion and Sediment Control Plan, Stormwater Management Plan, Pollution Prevention Plan, TMDL requirements, etc.).

Records of the required inspections must be maintained and included in the SWPPP binder. The qualified personnel are encouraged to use the Operator Inspection form provided in the SWPPP binder to document the required inspections. If inspections are conducted once every five (5) business days *and* no later than 48 hours following any measureable storm event, the location of the rain gauge used to determine the amount of rain must be included in the SWPPP and documented in the inspection report.

ACKNOWLEDGEMENTS

I certify under penalty of law that the qualified personnel identified below:

a. has been designated by the Operator to conduct inspections of the permitted site;
b. is knowledgeable in the principles and practices of erosion and sediment control and stormwater management;
c. possesses the skills to assess conditions at the permitted site for the Operator(s) that could impact stormwater quality and quantity;
d. will assess the effectiveness of any erosion and sediment control measures or stormwater management facilities selected to control the stormwater discharges from the permitted site; and
e. will conduct inspections in accordance with the frequency noted above in the OPERATOR INSPECTIONS section of this sheet.

QUALIFIED PERSONNEL	
Name (print)	
Phone	
Additional information is located in Tab 6 of the SWPPP Binder.	

As the Operator(s) or Delegated Authority, I/we understand that prior to initiating land disturbance, the potential pollutant sources, appropriate control measures, and all responsible parties (operator, qualified inspection personnel, contractors, etc.) required as a condition of the General Construction Permit (GCP) and the Stormwater Pollution Prevention Plan (SWPPP) must be identified. I also understand this information must be updated as necessary throughout all phases of construction until the GCP is terminated.

Furthermore,

I/we certify under penalty of law that I/we have read and understand all requirements of the SWPPP (erosion and sediment control plan, stormwater management plan, pollution prevention plan, TMDL provisions, administrative requirements, etc.) and GCP and that the information herein is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

I/we understand that I/we are ultimately responsible for compliance with all conditions and requirements of the SWPPP and GCP and for ensuring all contractors and subcontractors on the permitted site are aware of the conditions and requirements of the SWPPP and GCP.

I/we shall comply with all conditions and requirements of the SWPPP and shall at all times properly operate and maintain all measures and control (and related appurtenances) which are installed or used to achieve compliance with the conditions of the GCP. Proper opration and maintenance also includes adequate funding and adequate staffing.

I/we shall take all reasonable steps to minimize or prevent any discharge in violation of the SWPPP and/or GCP.

I/we understand that if it determined by the Department of Environmental Quality (DEQ) in consultation with the State Water Control Board at any time that stormwater discharges are causing, have reasonable potential to cause, or contribute to and exceursion above any applicable water quality standard, the DEQ may, in consultation with the Administrator, take appropriate enforcement action and require:

a. Modification of control measures to adequately address water quality concerns;
b. Submission of valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
c. Cessation of discharges of pollutants from construction activity and submit an individual permit application according to **9VAC25-870-410.**

OPERATOR(S) / DELEGATED AUTHORITY		
Name (print)	Signature	Date

Additional contact information can be found in the SWPPP Binder.

Chesterfield County Pollution Prevention Plan

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COMMONWEALTH OF VIRGINIA
DREW C. WARD
Lic. No. 063917
01 / 05 / 2024
PROFESSIONAL ENGINEER

NORTHPOINTE
WENDY'S
RIVANNA DISTRICT
ALBEMARLE COUNTY, VIRGINIA

POLLUTION PREVENTION PLAN

REVISIONS

DATE	ITEM

DATE
01 / 05 / 2024

SCALE
NO SCALE

DRAWN BY
CMA

DESIGNED BY
DREW C. WARD, P.E.

CHECKED BY
DREW C. WARD, P.E.

PROJ.#
20230209

SHEET #
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