HOME DEPOT AT ROUTE 29 AND RIO ROAD
1600 RIO ROAD EAST
RIO MAGISTERIAL DISTRICT
CHARLOTTESVILLE, VA 22901
DATE: 10/25/2022

PROJECT CONTACT LIST

OWNER/DEVELOPER

HOME DEPOT U.S.A., INC.
2455 PACES FERRY RD, C-19
ATLANTA, GA 30339
TEL: (678) 814-9177
CONTACT: D. CORBIN ROWE
EMAIL: DAVID_C_ROWE@HOMEDEPOT.COM

CIVIL ENGINEER

Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200
RICHMOND, VA 23230
TEL: (804) 672-4708
CONTACT: DAVID ELLINGTON, P.E.
EMAIL: DAVID.ELLINGTON@KIMLEY-HORN.COM

ARCHITECT
GREENBERGFARROW
92 EAST MAIN STREET, SUITE 410
SOMERVILLE, NJ 08876
TEL: (908) 485-7735
CONTACT: JOHN M. KEREKES, AICP
EMAIL: JKEREKES@.GREENBERGFARROW.COM

SURVEYOR

CIVIL SURVEYORS INC.
CIVIL SURVEYORS INC.
221 QUEEN STREET, P.O. BOX 1828
TAPPAHANNOCK, VA 22560
TEL: (804) 443-3080
EMAIL: IWHITE@CIVSUR.COM

PLANNING/ZONING

PLANNING COMMISSION
401 MCINTIRE ROAD
CHARLOTTESVILLE, VA 22902
TEL: (804) 677-0463
CONTACT: COREY CLAYBORNE

STORMWATER

FACILITIES AND ENVIRONMENTAL SERVICES
401 MCINTIRE ROAD 4TH FLOOR
CHARLOTTESVILLE, VA 22902
TEL: (434) 296-5816

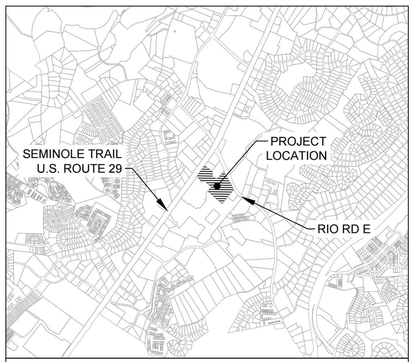
PUBLIC UTILITIES

PUBLIC WORKS
401 MCINTIRE ROAD 4TH FLOOR
CHARLOTTESVILLE, VA 22902
TEL: (434) 296-5816

FIRE MARSHAL

DEPARTMENT OF FIRE RESCUE
460 STAGECOACH ROAD
CHARLOTTESVILLE, VA 22902
TEL: (434) 296-5833
CONTACT: SHAWN MADDOX

VICINITY MAP



VICINITY MAP
SCALE: 1" = 2000'

NORTH

SHEET INDEX

SHEET NUMBER	SHEET TITLE
CA-100	COVER SHEET
CA-101	GENERAL NOTES
CA-102	ALBEMARLE COUNTY GENERAL NOTES
CV-101	SURVEY
CV-102	EXISTING CONDITIONS
CD-101	DEMOLITION PLAN
CE-101	PHASE I EROSION AND SEDIMENT CONTROL PLAN
CE-102	PHASE II EROSION AND SEDIMENT CONROL PLAN
CS-101	SITE PLAN
CS-501	SITE DETAILS
CS-502	SITE DETAILS
CG-100	OVERALL GRADING PLAN
CG-101	GRADING PLAN
CG-102	GRADING PLAN
CG-103	GRADING PLAN
CG-104	GRADING PLAN
CG-201	STORMWATER QUANTITY
CG-202	STORMWATER QUALITY
CG-502	STORMWATER DETAILS
CU-101	UTILITY PLAN
CU-501	UTILITY DETAILS

PROJECT DATA

SITE STATISTICS

PARCEL ID	06100-00-00-13200
STREET ADDRESS	1531 RIO RD E
	CHARLOTTESVILLE, VA 22901
ZONED	PLANNED DEVELOPMENT SHOPPING CENTER
MAGISTERIAL DISTRICT	RIO
APPLICABLE OVERLAY DISTRICT	N/A

ZONING DATA

SPECIAL USE PERMIT	N/A
EXISTING USE	COMMERCIAL
PROPOSED USE	COMMERCIAL
BUILDING SIZE	134, 262 SF
BUILDING HEIGHT	24' FT ±
TOTAL SITE AREA	12.58 AC
TOTAL DISTURBED AREA	8.14 AC
TOTAL IMPERVIOUS COVER	7.48 AC ±
OPEN SPACE	0.66 AC ±
STEEP SLOPES	N/A
FLOOD ZONE	THIS SITE APPEARS TO LIE IN FLOOD ZONE "X" OF THE FEMA DEFINED FLOOD HAZARD AREA AS SHOWN ON THE FLOOD INSURANCE RATE MAP 51003C0278D EFF. DATE FEBRUARY 04, 2005

UTILITY DATA

WATER	ALBERMALE COUNTY SERVICE AUTHORITY
SEWER	ALBERMALE COUNTY SERVICE AUTHORITY
SOURCE OF TOPOGRAPHY	CIVIL SURVEYORS INC.

DATUM HORIZONTAL DATUM: NAD83 (NA2011),VIRGINIA STATE GRID, SOUTH ZONE. ESTABLISHED TROUGH GPS OBSERVATIONS JULY 2022. VERTICAL DATUM: NAVD88, CONTOUR INTERVAL=1'

LATITUDE	38.078673 °N
LONGITUDE	-78.474235 °W
RECEIVING WATER(S)	RIVANNA RIVER-MEADOW CREEK
VAHU6 CODE	JR14

SETBACKS

FRONT (SEMINOLE TRAIL)	50' MIN
FRONT (RIO RD E)	50' MIN
SIDE	15' MIN
REAR	20' MIN
LANDSCAPE BUFFER	20' MIN

PARKING SCHEDULE

PARKING CALCULATIONS	5 /1,000 SF
PARKING PROVIDED	409 STALLS
HANDICAP SPACES PROVIDED	10 STALLS
PARKING REQUIRED	665 STALLS

SITE PLAN REVIEW STATUS		
SUBMIT DATE	INITIALS	REMARKS

APPROVALS	DATE
DEPARTMENT OF COMMUNITY DEVELOPMENT	
PLANNER/ZONING	
ENGINEER	
INSPECTIONS	
ARB	
DEPARTMENT OF FIRE RESCUE	
ALBEMARLE COUNTY SERVICE AUTHORITY	
VIRGINIA DEPARMENT OF TRANSPORTATION	
HEALTH DEPARTMENT	

MISS UTILITY OF VIRGINIA

CALL BEFORE YOU DIG
811

ONLY THE COMPLETE AND APPROVED PAPER COPY OF THE PLAN SET INCLUDING ALL SUBSEQUENT REVISIONS WILL SERVE AS THE OFFICIAL CONSTRUCTION PLANS.

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2023 KIMLEY-HORN AND ASSOCIATES, INC.

2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

COVER SHEET

HOME DEPOT
VA
ALBEMARLE

SHEET NUMBER
CA-100

Plotted By: Lord, Dannie Sheet Set: PNT Sheetset: Layout: CA-100 COVER SHEET March 31, 2023 - 11:09:48am K:\VAC_CVA\113226001 — HD Fashion Square Mall\CAD\PlanSheets\CA-100_COVER SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CONSTRUCTION STANDARDS

1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM WITH THESE DRAWINGS, PROJECT SPECIFICATIONS, WITH ALL CURRENT APPLICABLE CODES, AND, UNLESS OTHERWISE SPECIFIED, WITH THE LATEST REVISIONS OF THE FOLLOWING REFERENCE DOCUMENTS:

   A. ALBEMARLE COUNTY CONSTRUCTION STANDARDS AND SPECIFICATIONS
   B. ACSA GENERAL WATER AND SEWER CONSTRUCTION SPECIFICATIONS
   C. VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) ROAD & BRIDGE SPECIFICATIONS
   D. VDOT ROAD AND BRIDGE STANDARDS
   E. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
   F. VIRGINIA WORK AREA PROTECTION MANUAL.
   G. VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH)
   H. VIRGINIA DEPARTMENT OF HEALTH (VDH) SPECIFICATIONS

CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL CONFORM WITH APPLICABLE STATE (INCLUDING VDOT) AND LOCAL CONSTRUCTION STANDARDS AS IDENTIFIED IN THESE PLANS. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS AND LICENSES AND MAINTAIN COPIES OF THEM ON-SITE AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN A SET OF CONSTRUCTION DOCUMENTS, SPECIFICATIONS, AND A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ON-SITE AT ALL TIMES DURING CONSTRUCTION.

2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.

3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

4. ALL PAINT STRIPING, PAVEMENT MARKINGS, AND SIGNAGE SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," MOST CURRENT REVISION OR AS OTHERWISE SPECIFIED. ALL REFERENCED SIGN STANDARDS ARE TAKEN FROM THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". ALL NEW SIGNS SHALL BE MOUNTED ON GALVANIZED POSTS AND IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

5. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES ASSOCIATED WITH THE PROJECT WORK SCOPE DURING CONSTRUCTION. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" OF VIRGINIA @ 811 FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE PROJECT SITE.

6. ANY DAMAGE OCCURRING TO THE EXISTING SITE INFRASTRUCTURE ON THIS OR THE ADJACENT SITE DURING THE CONSTRUCTION OPERATIONS AND/OR MOBILIZATION, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL EXISTING DAMAGED ITEMS INCLUDING CONCRETE AND/OR PAVEMENT SECTIONS SHALL BE RESTORED TO THEIR ORIGINAL CONDITIONS PRIOR TO PROJECT COMPLETION AT THE EXPENSE OF THE CONTRACTOR.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS ANY PAVEMENT, DRIVEWAYS, WALKS, CURBS, ETC. THAT MUST BE CUT OR THAT ARE DAMAGED DURING CONSTRUCTION INSIDE AND OUTSIDE OF THE LIMITS OF CONSTRUCTION.

8. ANY AND ALL UTILITIES AND/OR OBSTRUCTIONS (POWER POLES, TELEPHONE PEDESTALS, GUY WIRES, WATER METERS, ETC.) THAT ARE REQUIRED TO BE RELOCATED OR ADJUSTED DUE TO CONSTRUCTION SHALL BE DONE SO AT THE OWNERS/DEVELOPERS EXPENSE.

9. SLOPES WITHIN THE LIMITS OF THE HANDICAPPED PARKING AREAS SHALL NOT EXCEED 1.5% IN ANY DIRECTION. CROSSWALKS AND SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 1.5% AND A MAXIMUM LONGITUDINAL SLOPE OF 5% IN DIRECTION OF TRAVEL. SLOPES IN HANDICAP RAMPS SHALL BE BUILT IN CONFORMANCE WITH ILATEST ADA CRITERIA AND LOCAL DESIGN STANDARDS.

10. THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL THE REMOVED/DEMOLISHED MATERIAL FROM THE PROJECT SITE AND DISPOSE OF SAME IN A LEGAL MANNER.

11. TYING TO EXISTING PAVEMENT: EXISTING PAVEMENT SHALL BE NEATLY SAW CUT TO A STRAIGHT LINE AND ALL PAVING ON THE NEW PAVEMENT SIDE OF THE CUT SHALL BE COMPLETELY REMOVED AND REPLACED WITH SPECIFIED MATERIALS. THE CUT LINE SHALL BE FULL-DEPTH AND COATED WITH A TACK COAT TO FURNISH A BOND BETWEEN THE EXISTING SURFACE COURSE AND THE NEW SURFACE COURSE.

12. TYING TO EXISTING CURB/GUTTER: THE EXISTING PAVEMENT SHALL BE NEATLY SAW CUT AND REMOVED FOR A DISTANCE OF 2'0" FROM FACE OF THE CURB AND 2'0" FROM THE EDGE OF CURB AND GUTTER AND THE SUBGRADE, BASE COURSE, AND PAVING REPLACED WITH NEW PRODUCTS.

13. THESE PLANS ARE BASED ON INFORMATION PROVIDED TO KIMLEY-HORN & ASSOCIATES, INC. AT THE TIME OF PLAN PREPARATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY KIMLEY-HORN & ASSOCIATES, INC. IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK WOULD BE INHIBITED BY ANY OTHER SITE FEATURES.

14. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND ENGINEER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.

15. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER IN WRITING IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

16. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL/BUILDING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY LOCATIONS.

17. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREON, WITHOUT FIRST OBTAINING WRITTEN AUTHORIZATION FOR SUCH DEVIATIONS FROM THE OWNER AND ENGINEER, IT SHALL BE RESPONSIBLE FOR THE PAYMENT OF ALL COSTS TO CORRECT ANY WORK DONE, ALL FINES OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM. THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ALL SUCH COSTS TO CORRECT ANY SUCH WORK AND FROM ALL SUCH FINES AND PENALTIES, COMPENSATION AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREFROM.

18. BRACING OF UTILITY POLES MAY BE REQUIRED BY UTILITY COMPANIES WHEN TRENCHING OR EXCAVATION IS IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE VARIOUS PAY ITEMS FOR INSTALLATION OF PIPE.

19. ALL EXISTING TRAFFIC AND STREET SIGNS DISTURBED SHALL BE REINSTALLED WHERE APPLICABLE BY THE CONTRACTOR.

20. UNLESS THE PLANS SPECIFICALLY DICTATE TO THE CONTRARY, ON-SITE AND OTHER DIRECTIONAL SIGNS SHALL BE LOCATED OUT OF THE PEDESTRIAN AND AUTOMOBILE ROUTES AND SHALL BE LOCATED BETWEEN THREE TO FIVE FEET BEHIND THE NEAREST BACK OF CURB. SIGN HEIGHT, LOCATION, AND STRUCTURE SHALL BE SUCH THAT THE SIGNS POSE NO THREAT TO PUBLIC SAFETY.

DEMOLITION / LAND DISTURBANCE NOTES

1. PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR/TO:
   A. ENSURING THAT COPIES OF ALL APPLICABLE PERMITS AND APPROVALS ARE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW.
   B. INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL AND/OR TREE PROTECTION MEASURES PRIOR TO SITE DISTURBANCE.
   C. LOCATING (VERTICALLY AND HORIZONTALLY) ALL UTILITIES AND SERVICES, INCLUDING, BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE. THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES.
   D. FAMILIARIZING THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
   E. COORDINATION WITH UTILITY COMPANIES & ADJACENT LANDOWNERS/BUSINESSES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.

2. NEITHER KIMLEY-HORN & ASSOCIATES, INC. NOR THE OWNER IS RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLLOWING ALL OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY.

3. THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN AS A RESULT OF HIS ACTIVITIES.

4. IN THE ABSENCE OF SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES, DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE WITH DIRECTION BY OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.

5. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH: THE "MANUAL ON UNIFORM TRAFFIC CONTROL," AS WELL AS FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS OR ROADWAY RIGHTS – OF – WAY.

6. CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY.

7. USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.

8. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.

9. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.

10. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.

DRAINAGE / STORMWATER NOTES

1. ALL STORM SEWER PIPES, MANHOLES, AND CURB INLETS SHALL BE CLEANED OF DEBRIS AND ERODED MATERIALS AT THE LAST STAGES OF CONSTRUCTION.

2. STORM DRAIN PIPE AND FLARED END SECTIONS ARE TO BE FURNISHED AND INSTALLED IN ACCORDANCE WITH SECTION 302 OF VDOT ROAD AND BRIDGE SPECIFICATIONS AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION C-76 FOR REINFORCED CONCRETE CULVERT AND STORM DRAIN PIPE. ALL PIPE FOR STORM DRAINS SHALL BE REINFORCED CONCRETE CLASS III UNLESS INDICATED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL USE A PREFORMED FLEXIBLE PLASTIC SEALING COMPOUND OF BUTYL MASTIC ROPE SEALER – 1" SIZE, "EZ STICK" AS MANUFACTURED BY CONCRETE PRODUCTS SUPPLY OR AN APPROVED EQUAL FOR SEALING WATER-TIGHT JOINTS. VERTICAL CLEARANCE OF 12" BETWEEN STORM AND OTHER UTILITIES IS REQUIRED UNLESS OTHERWISE NOTED.

3. ALL EXISTING STORM SEWER PIPES, DROP INLETS, AND CURB INLETS BEING UTILIZED BY A PART OF THE DRAINAGE SYSTEM SHALL BE CLEANED OF ERODED MATERIAL AT ALL STAGES OF CONSTRUCTION, AS DIRECTED BY THE ENGINEER. THE COST INCIDENTAL TO THIS IS TO BE INCLUDED IN THE CONTRACT PRICE FOR THE OTHER DRAINAGE ITEMS.

4. STORM SEWER PIPES AS SHOWN ON THE PLANS ARE MEASURED FROM THE CENTERLINE OF EACH STRUCTURE AND INVERT ELEVATIONS ARE ESTABLISHED BASED ON THIS CENTER LINE DISTANCE. LENGTH CALL OUTS FOR PIPES WITH FLARED END SECTIONS WILL BE MEASURED TO THE JOINT. CONTRACTOR SHALL LOCATE ALL END SECTIONS TO MATCH THE BANK SLOPE AND THE PIPE SLOPE SHALL BE ADJUSTED AS NECESSARY.

5. BOOT CONNECTIONS SHALL BE PROVIDED FOR ALL PLASTIC PIPES THAT TIE INTO A CONCRETE STRUCTURE.

6. GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START. SEE EXISTING CONDITIONS SHEET FOR UTILITY CONTACT INFORMATION.

7. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND APPROVED BY APPLICABLE AUTHORITY.

8. ALL ELEVATIONS ARE IN REFERENCE TO THE BENCHMARK, AND THIS MUST BE VERIFIED AND LOCATED BY THE GENERAL CONTRACTOR PRIOR TO GROUND BREAKING.

9. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE SO THAT RUNOFF WILL DRAIN BY GRAVITY FLOW ACROSS NEW PAVEMENT AREAS TO NEW OR EXISTING DRAINAGE INLETS OR SHEET FLOW OVERLAND.

10. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL V.S.M.P. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

11. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.

12. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.

13. AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING. ALL AREAS SHALL ADEQUATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORM RUNOFF. CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED.

UTILITY NOTES

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES OR UTILITIES BY OTHERS AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

2. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.

3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, DOOR ACCESS, AND EXTERIOR GRADING. THE UTILITY SERVICE SIZES ARE TO BE DETERMINED BY THE ARCHITECT. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS AND ENSURE PROPER DEPTHS ARE ACHIEVED. THE JURISDICTION UTILITY REQUIREMENTS SHALL ALSO BE MET, AS WELL AS COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE CONFLICTS EXIST WITH THESE SITE PLANS, ENGINEER IS TO BE NOTIFIED PRIOR TO CONSTRUCTION TO RESOLVE.

4. THE CONTRACTOR SHALL PERFORM WHATEVER TEST EXCAVATION OR OTHER INVESTIGATION IS NECESSARY TO VERIFY TIE-IN INVERTS, LOCATIONS AND CLEARANCES, AND SHALL REPORT IMMEDIATELY ANY DISCREPANCIES TO KIMLEY- HORN AND ASSOCIATES, INC. AT (804) 673-3882.

5. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.

6. MAINTAIN A MINIMUM OF 18" OF VERTICAL CLEARANCE BETWEEN STORM, SANITARY, AND ALL UTILITIES (UNLESS OTHERWISE NOTED).

7. CROSS CONNECTION CONTROL AND BACK FLOW PREVENTION SHALL BE IN ACCORDANCE WITH THE UNIFORM STATEWIDE BUILDING CODE.

8. CONTRACTOR SHALL COORDINATE WITH THE FIRE MARSHAL BEFORE INSTALLING FIRE LANE SIGNS AND MARKINGS.

9. ALL CLEANOUTS WITHIN VEHICULAR AREAS SHALL BE TRAFFIC BEARING.

10. CONTRACTOR SHALL SAW CUT, REMOVE, AND REPLACE ASPHALT PAVEMENT AS NECESSARY TO INSTALL UNDERGROUND ELECTRIC, TELEPHONE, SANITARY SEWER, WATER, AND COMMUNICATION CONDUITS.

11. UNDERGROUND UTILITIES INSTALLED ON PRIVATE PROPERTY OR IN PRIVATE UTILITY EASEMENTS AND BUILDING RELATED STORM DRAINS SHALL BE DESIGNED AND INSTALLED PER THE CURRENT EDITION OF THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE.

12. PROPOSED CROSSINGS WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.

13. THE RIM ELEVATIONS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS SHALL BE ADJUSTED, IF REQUIRED, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.

14. ALL WATER, SEWER AND FIRE LINES REQUIRE NEW INSPECTION AND TESTING PROCEDURES. THE ACSA PERFORMS ANY TESTING AND INSPECTIONS OF THE PUBLIC SEWER AND WATER MAIN(S). THE ALBEMARLE COUNTY BUILDING INSPECTIONS DEPARTMENT (ACBID) DOES A VISUAL INSPECTION AND WITNESSES THE TESTING OF THE BUILDING DRAIN, WATER SERVICE PIPE AND THE SPRINKLER LEAD-IN CONNECTION. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE TO RETAIN A SPECIAL INSPECTOR AS OUTLINED IN THE UPDATED ALBEMARLE COUNTY POLICY FOR SITE UTILITIES TO PERFORM THE VISUAL INSPECTION AND TESTING OF ALL UTILITIES NOT COVERED BY THE ACSA OR ACBID. THIS INCLUDES BUILDING SEWERS, WATER AND FIRE LINE BRANCHES BETWEEN THE MAIN AND THE METER(S)/BUILDING(S). THE SPECIAL INSPECTOR'S REPORT MUST BE SUBMITTED AND APPROVED BY THE ALBEMARLE COUNTY ENGINEERING DEPARTMENT PRIOR TO A CERTIFICATE OF OCCUPANCY BEING ISSUED.

VDOT GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION WITHIN THE PUBLIC RIGHT OF WAY SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION'S ROAD AND BRIDGE SPECIFICATIONS, ROAD AND BRIDGE STANDARDS AND VIRGINIA WORK AREA PROTECTION MANUAL.
2. LAND USE PERMITS (LUP) SHALL BE OBTAINED FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION PRIOR TO BEGINNING ANY CONSTRUCTION WITHIN THE EXISTING STATE MAINTAINED RIGHT-OF-WAY (INCLUDING ACCESS).
3. VDOT REQUIRES NOTIFICATION 48 HOURS PRIOR TO COMMENCING WITH INITIAL CONSTRUCTION ACTIVITIES. PLEASE CONTACT THE APPROPRIATE PERMIT OFFICE IN WHICH YOUR PROPOSED ACTIVITIES ARE TO OCCUR.
4. APPROVAL OF A DETAILED CONSTRUCTION SEQUENCING AND MAINTENANCE OF TRAFFIC PLAN FOR THE WORK ZONE IS A PREREQUISITE FOR ISSUANCE OF A LAND USE PERMIT. THE PLAN SHALL ACCOMMODATE ACCESS TO AND CONSTRUCTION WITHIN VDOT MAINTAINED RIGHT-OF-WAY.
5. WORK ZONES – THE DEPARTMENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY ANTICIPATED LANE/SHOULDER CLOSURES ON ROADWAYS CLASSIFIED AS COLLECTOR ROADS OR HIGHER. YOU DO NOT NEED TO CALL TO ACTIVATE YOUR WORK ZONE UNTIL YOU PLACE THE FIRST CONE OR SIGN IN YOUR WORK ZONE. REQUESTS FOR THE IMPLEMENTATION OF TEMPORARY LANE AND SHOULDER CLOSURES MUST BE ENTERED INTO THE VDOT LANE CLOSURE ADVISORY MANAGEMENT SYSTEM (LCAMS) AND VATRAFFIC A MINIMUM OF ONE WEEK PRIOR TO THE PLANNED EXECUTION OF LANE OR SHOULDER CLOSURE ACTIVITIES ON STATE MAINTAINED ROADWAYS. THE PERMITTEE OR THEIR CONTRACTOR MAY ENTER THEIR REQUESTS DIRECTLY OR PROVIDE WRITTEN REQUESTS TO THE CENTRAL REGION TRAFFIC OPERATIONS CENTER (TOC), 804-796-4520, APRIL DABNEY, LANE CLOSURE COORDINATOR, OR MAILTO: APRIL.DABNEY@VDOT.VIRGINIA.GOV WITH 'LANE CLOSURE REQUEST" IN THE SUBJECT LINE.
6. PERMITTEE MUST NOTIFY VIRGINIA DEPARTMENT OF TRANSPORTATION TOC WHEN THERE IS A CRASH IN A WORK ZONE AT 804-796-4520.
7. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CONSULT THE DEVELOPER'S ENGINEERING CONSULTANT AND VERIFY THE APPROVAL OF THE PLANS BY ALL APPLICABLE FEDERAL, STATE AND LOCAL AGENCIES.
8. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHOWN ON PLANS IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT THE DEVELOPER'S ENGINEERING CONSULTANT IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON PLAN. IF THERE APPEARS TO BE A CONFLICT, OR UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THIS PLAN, CALL 'MISS UTILITY" AT 811. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE RELOCATION OF ANY UTILITY WITHIN EXISTING AND PROPOSED RIGHT OF WAY REQUIRED BY THE DEVELOPMENT.
9. THE PERMITTEE OR THEIR AGENT MUST CONTACT THE VDOT CUSTOMER SERVICE CENTER AT 1-800-367-7623 A MINIMUM OF 48 HOURS PRIOR TO INITIATING ANY PLANNED EXCAVATION WITHIN 1,000 FEET OF A SIGNALIZED INTERSECTION AND/OR NEAR VDOT ITS INFRASTRUCTURE. EXCAVATION MAY PROCEED ONLY AFTER THE VDOT REGIONAL UTILITY LOCATION AGENT HAS NOTIFIED THE PERMITTEE THAT THE UTILITY MARKING HAS BEEN COMPLETED. ADDITIONAL INFORMATION CAN BE FOUND AT:
   HTTP://WWW.VIRGINIADOT.ORG/BUSINESS/RESOURCES/IIM/TE-383_REQUEST_FOR_MARKING_VDOT_UTILITY_LOCATION.PDF 'MISS UTILITY" DOES NOT LOCATE VDOT UTILITIES.
10. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF ALL POINTS OF CONNECTION OR PROPOSED WORK TO EXISTING CURBS, SANITARY LINES, WATER LINES, ETC., PRIOR TO CONSTRUCTION.
11. DESIGN CHANGES, SPECIFIED MATERIALS CHANGES AND FIELD CHANGES FROM THE APPROVED PLANS SHALL BE RE-SUBMITTED TO VDOT FOR APPROVAL PRIOR TO PROCEEDING WITH THE WORK. A LETTER OF EXPLANATION SHALL ACCOMPANY THE PROPOSED REVISION ALONG WITH DRAINAGE CALCULATIONS WHEN APPROPRIATE.
12. VDOT APPROVAL OF CONSTRUCTION PLANS DOES NOT PRECLUDE THE RIGHT TO REQUIRE ADDITIONAL FACILITIES AS DEEMED NECESSARY FOR ACCEPTANCE OF THE ROADS INTO THE VDOT SECONDARY ROAD SYSTEM BASED ON FIELD CONDITIONS OR UNAPPROVED PLAN CHANGES.
13. VDOT APPROVAL OF THESE PLANS WILL EXPIRE FIVE (5) YEARS FROM THE DATE OF APPROVAL FOR SITE PLANS AND SUBDIVISION PLANS IF CONSTRUCTION HAS NOT STARTED.
14. PRELIMINARY DESIGN OF THE PAVEMENT STRUCTURE FOR ALL SUBDIVISION STREETS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE PAVEMENT DESIGN GUIDE FOR SUBDIVISION AND SECONDARY ROADS IN VIRGINIA. THE COMPLETED DESIGN WORKSHEET APPENDIX IV SHALL BE INCLUDED WITH THE INITIAL PLAN SUBMITTAL FOR EACH PROPOSED PAVEMENT SECTION UTILIZING THE PREDICTED SOIL SUPPORT VALUE SHOWN IN APPENDIX I OF THE PAVEMENT DESIGN GUIDE OR AS REPORTED IN A GEOTECHNICAL ANALYSIS OF THE ON-SITE SOILS.
15. A COPY OF THE COMPLETE CBR REPORT SHALL BE SUBMITTED TO VDOT IN CONJUNCTION WITH FINAL PAVEMENT DESIGNS. ALL PAVEMENT DESIGN RECOMMENDATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF PAVEMENT DESIGN GUIDE FOR SUBDIVISION AND SECONDARY ROADS IN VIRGINIA.
16. ALL VEGETATION AND ORGANIC MATERIAL SHALL BE REMOVED FROM THE RIGHT OF WAY LIMITS PRIOR TO CONDITIONING OF THE SUBGRADE.
17. UPON DISCOVERY OF SOILS THAT ARE UNSUITABLE FOR FOUNDATIONS, SUBGRADES, OR OTHER ROADWAY CONSTRUCTION PURPOSES, THE DEVELOPER OR HIS DESIGNEE, WHICH MAY BE THE CONTRACTOR, SHALL IMMEDIATELY ENGAGE A GEOTECHNICAL ENGINEER AND NOTIFY VDOT. THESE AREAS SHALL BE EXCAVATED BELOW PLAN GRADE AS DIRECTED BY THE GEOTECHNICAL ENGINEER, BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED IN ACCORDANCE WITH CURRENT VDOT SPECIFICATIONS.
18. THE NECESSITY AND LOCATIONS FOR ADDITIONAL VDOT STANDARD UNDERDRAINS SHALL BE DETERMINED AT TIME OF SUBGRADE INSPECTION. VIDEO INSPECTION OF ACCESSIBLE OUTLET LOCATIONS, MAINLINE LONGITUDINAL CONNECTIONS, AND LONGITUDINAL PIPE FOR ALL PAVEMENT UNDERDRAINS, CROSS DRAINS, EDGEDRAINS AND PREFABRICATED GEOCOMPOSITE PANEL DRAINS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 501 OF THE ROAD AND BRIDGE SPECIFICATIONS AND VIRGINIA TEST METHOD 108 – POST INSTALLATION INSPECTION OF UNDERDRAINS, CROSSDRAINS, AND EDGEDRAINS.
19. VDOT SHALL HAVE PERFORMED THE REQUIRED FIELD INSPECTION (PROOF ROLL) PRIOR TO PLACEMENT OF THE AGGREGATE BASE COURSE(S). CONTACT VDOT FOR SUBGRADE INSPECTION 48 HOURS PRIOR TO SCHEDULING PLACEMENT OF AGGREGATE BASE COURSE(S).
20. THE SCHEDULING OF AGGREGATE BASE INSTALLATION AND SUBSEQUENT PAVING ACTIVITIES SHALL ACCOMMODATE FORECASTED WEATHER CONDITIONS PER SECTION 315 OF THE ROAD AND BRIDGE SPECIFICATIONS.
21. VDOT SHALL HAVE APPROVED THE AGGREGATE BASE COURSE(S) FOR DEPTH, TEMPLATE AND PERFORMED THE REQUIRED FIELD INSPECTION (PROOF ROLL) PRIOR TO PLACEMENT OF ANY ASPHALT CONCRETE SURFACE COURSE(S). CONTACT VDOT FOR INSPECTION OF THE AGGREGATE BASE COURSE(S) 48 HOURS PRIOR TO APPLICATION OF THE SURFACE COURSE(S).
22. A LICENSED GEOTECHNICAL ENGINEER OR HIS DESIGNEE SHALL ASCERTAIN CAUSE AND CERTIFY RECOMMENDED METHOD OF REPAIR FOR ALL PAVEMENT STRUCTURAL FAILURES PRIOR TO STATE ACCEPTANCE.
23. VDOT SHALL BE PROVIDED DOCUMENTATION BY A LICENSED GEOTECHNICAL ENGINEER, CERTIFYING THAT ALL IN-PLACE PAVEMENTS MEET OR EXCEED THE APPROVED PAVEMENT DESIGN THICKNESS PRIOR TO STATE ACCEPTANCE OF THE STREET. CORES ARE TO BE OBTAINED VERIFYING PAVEMENT THICKNESS UNLESS OTHERWISE DIRECTED BY VDOT. THE PERMIT'S INSPECTOR SHALL BE CONTACTED 24 HOURS PRIOR TO THE CORE SAMPLES BEING TAKEN.
24. ALL STORM SEWER DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH LATEST VDOT DRAINAGE MANUAL, ROAD AND BRIDGE STANDARDS, AND IIMS.
25. ALL PRE-CAST UNITS SHALL BE VDOT APPROVED. CERTIFICATION AND VDOT STAMP IS REQUIRED ON ALL UNITS.
26. ALL CONCRETE SHALL BE CLASS A3-AE (AIR ENTRAINED 3,000 PSI) UNLESS OTHERWISE SPECIFIED.
27. ALL ROADSIDE DITCHES SHOWN AS PAVED ON PLANS ARE TO BE PAVED IN ACCORDANCE WITH THE STANDARD TYPICAL SECTION AS SHOWN ON THE PLANS. ANY ADDITIONAL PAVING OF THE DITCHES, OTHER THAN THOSE SHOWN ON THE ROAD PLANS WILL BE DETERMINED PRIOR TO ACCEPTANCE OF THE ROADS INTO THE VDOT SECONDARY ROAD SYSTEM.
28. ROAD & BRIDGE SPECIFICATIONS SECTION 302, DRAINAGE STRUCTURES ADDRESSES POST INSTALLATION VISUAL/VIDEO CAMERA INSPECTION OF STORM SEWER PIPES AND PIPE CULVERTS. INSPECTION FREQUENCY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR AS NECESSITATED BY THE ENGINEER. VIDEO INSPECTION SHALL BE CONDUCTED IN ACCORDANCE WITH VIRGINIA TEST METHOD (VTM) 123, POST INSTALLATION INSPECTION OF BURIED STORM SEWER PIPE AND PIPE CULVERTS.
29. A CONSTRUCTION ENTRANCE SHALL BE INSTALLED ON EACH INDIVIDUAL LOT PRIOR TO ANY LOT GRADING OR HOME CONSTRUCTION ACTIVITIES AND SHALL BE ADEQUATELY MAINTAINED UNTIL ALL CONSTRUCTION TRAFFIC AREAS WITHIN THE LOT HAVE BEEN STABILIZED.
30. ALL ENTRANCES SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CURRENT VDOT STANDARDS. RESIDENTIAL LOT ACCESS SHALL BE PROVIDED PER THE FOLLOWING CRITERIA:
   - ALL DRIVEWAY ENTRANCES AND ENTRANCE CULVERTS SHALL CONFORM TO PE-1 PRIVATE ENTRANCE STANDARDS UNLESS OTHERWISE APPROVED BY VDOT. NO ENTRANCE CULVERTS ARE TO BE INSTALLED WITHIN FIVE (5) FEET OF A PROPERTY CORNER.
   - VDOT STANDARD CG-9D ENTRANCES SHALL BE USED WHEN AN ENTRANCE IS REQUIRED IN CURB AND GUTTER NEIGHBORHOODS UNLESS OTHERWISE APPROVED BY VDOT.
31. DRY GUTTER IS NOT ALLOWED IN VDOT RIGHT OF WAY EXCEPT AS SHOWN ON VDOT'S ENTRANCE STANDARD DETAILS.
32. THE DEVELOPER SHALL FURNISH AND INSTALL STOP SIGNS AND STOP BARS AT STREET INTERSECTIONS AND ALL REGULATORY SIGNAGE PER THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL SIGNS MUST BE INSTALLED ON VDOT STANDARD STP-1 SIGN POSTS.
33. INSTALLATION, MAINTENANCE AND OPERATION OF STREET LIGHTING SHALL BE PROVIDED BY AND AT THE SOLE EXPENSE OF OTHERS. VDOT WILL ALLOW LIGHTING WITHIN THE RIGHT OF WAY BY LUP ONLY. LIGHTING ON CURB SECTIONS SHALL BE PLACED BEHIND THE CURB AND PREFERABLY BEHIND THE SIDEWALK. FOR SHOULDER SECTIONS, THE POLE SHALL BE PLACED A MINIMUM OF 10' FROM EDGE OF PAVEMENT AND BEHIND THE DITCH LINE. ALL LIGHTING PROPOSED WITHIN THE RIGHT OF WAY MUST BE DESIGNED IN ACCORDANCE WITH THE AASHTO GUIDE FOR ROADWAY LIGHTING AND SHALL MEET THE CURRENT ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) STANDARDS.
34. TRAFFIC SIGNALS REQUIRE AN INDIVIDUAL LAND USE PERMIT. THE APPLICANT SHALL BE RESPONSIBLE FOR THE DESIGN COSTS OF ANY TRAFFIC SIGNAL INSTALLATION OR MODIFICATION OF EXISTING SIGNALS. DESIGN PLANS MUST BE PREPARED AND SUBMITTED TO VDOT BY A LICENSED PROFESSIONAL ENGINEER FOR REVIEW AND APPROVAL. THIS INCLUDES THE FOUNDATION DESIGN AND ANY EQUIPMENT ASSOCIATED WITH THE COMPLETED TRAFFIC SIGNAL. ALL EQUIPMENT MUST BE APPROVED BY VDOT. SHOP DRAWINGS MUST BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATING ANY SIGNAL STRUCTURAL COMPONENTS.
35. SOIL STABILIZATION IS REQUIRED WITHIN 7 DAYS FOR ALL AREAS WHERE CLEARING, GRADING, EXCAVATION OR OTHER LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WHERE LAND DISTURBANCE ACTIVITIES HAVE BEEN TEMPORARILY SUSPENDED FOR AN ANTICIPATED DURATION OF GREATER THAN 7 DAYS, OR UPON COMPLETION OF GRADING OPERATIONS FOR A SPECIFIED AREA. SOIL STABILIZATION SHALL BEGIN AS SOON AS PRACTICABLE, BUT NOT LATER THAN THE SEVEN DAYS FOLLOWING THE DAY WHEN LAND DISTURBING ACTIVITIES TEMPORARILY OR PERMANENTLY CEASED.
36. NO STRUCTURE SHALL BE CONSTRUCTED ON STATE MAINTAINED RIGHTS OF WAY, OR ON RIGHT OF WAYS INTENDED TO BE MAINTAINED BY VDOT UNLESS SAID STRUCTURES ARE SHOWN ON CONSTRUCTION PLANS APPROVED BY VDOT OR SUCH STRUCTURES ARE COVERED BY A VDOT LAND USE PERMIT (OR BY A LETTER OF INTENT FROM THE RESIDENT ADMINISTRATOR/RESIDENT ENGINEER TO ISSUE SAID PERMIT AT THE TIME OF STATE ACCEPTANCE).

TRAFFIC CONTROL NOTES

1. WHENEVER CONSTRUCTION OPERATIONS ENCROACH ON THE RIGHT-OF WAY OF ADJACENT ROADWAYS, TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH LOCAL AND STATE STANDARDS.

2. NO MATERIALS OR EQUIPMENT SHALL BE STORED OR STOCKPILED WITHIN THE RIGHT-OF-WAY OF ADJACENT ROADWAYS.

3. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR COMPLETING AND IMPLEMENTING TRAFFIC CONTROL PLAN.

BUILDING INSPECTION NOTES:

1. 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.

2. ALL WATER, 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.

3. BUILDINGS OR STRUCTURES BUILT BEFORE JANUARY 1, 1985 MUST HAVE AN ASBESTOS SURVEY PERFORMED IN ORDER TO APPLY FOR A DEMOLITION PERMIT. ASBESTOS REMOVAL PERMITS ARE REQUIRED IF POSITIVE FOR SUCH FROM ALBEMARLE COUNTY AND VDOLI. CONTACT VDOLI FOR THEIR ADDITIONAL REQUIREMENTS AND PERMITS FOR DEMOLITION PROJECTS AT 540-562-3580 X131.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

GENERAL NOTES

HOME DEPOT

ALBEMARLE VA

SHEET NUMBER
CA-101

Plotted By: Land, Donnie Sheet Set: PMT Sheetset Layout: CA-101 GENERAL NOTES March 31, 2023 11:09:57am K:\RIC_CIV\113226001 - HD Fashion Square Mall\CAD\PlanSheets\CA-101 GENERAL NOTES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

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. Construction inspection of all proposed roads within the development will be made by the County. The contractor must notify the Department of Community Development (296-5832) 48 hours in advance of the start of construction.
2. Upon completion of fine grading and preparation of the roadbed subgrade, the contractor shall have CBR tests performed on the subgrade soil. Three (3) copies of the test results shall be submitted to the County. If a subgrade soil CBR of 10 or greater is not obtainable, a revised pavement design shall be made by the design engineer and submitted with the test results for approval.
3. Surface drainage and pipe discharge must be retained within the public right-of-way or within easements prior to acceptance by the County. All drainage outfall easements are to be extended to a boundary line or a natural watercourse.
4. 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 the County Engineer, or designee, it is deemed necessary. When guardrail is required, it shall be installed four (4) feet offset from the edge

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.

of pavement to the face of guardrail, and roadway shoulder widths shall be increased to seven (7) feet.

5. Where urban cross sections are installed, all residential driveway entrances shall conform to VDOT CG-9(A, B or C).
6. Where rural cross sections are installed, all residential driveway entrances shall conform to VDOT standard PE-1.
7. Compliance with the minimum pavement width, shoulder width and ditch sections, as shown on the typical pavement section detail, shall be strictly adhered to.
8. 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.
9. 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.
10. 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.
11. 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.
12. VDOT standard CD-1 or CD-2 cross-drains under to be installed under the subbase material at all cut and fill transitions and grade sag points as shown on the road profiles.
13. 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 and with a VDOT or County inspector present.

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.

September 14, 2021

ACSA GENERAL WATER & SEWER CONDITIONS

1. WORK SHALL BE SUBJECT TO INSPECTION BY ALBEMARLE COUNTY SERVICE AUTHORITY (ACSA) INSPECTORS. THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING THE PROPER ACSA OFFICIALS AT THE START OF THE WORK.
2. THE ALBEMARLE COUNTY SERVICE AUTHORITY SHALL HAVE ACCESS TO USE THE AIRSPACE ABOVE THE LOCATIONS OF CONSTRUCTION FOR THE FLIGHT OF UNMANNED AERIAL VEHICLES FOR THE PURPOSE OF IMAGERY COLLECTION.
3. THE LOCATION OF EXISTING UTILITIES ACROSS THE LINE OF THE PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE ONLY APPROXIMATELY CORRECT. THE CONTRACTOR SHALL, ON HIS OWN INITIATIVE, LOCATE ALL UNDERGROUND LINES AND STRUCTURES, AS NECESSARY.
4. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE CURRENT EDITION OF THE GENERAL WATER AND SEWER CONSTRUCTION SPECIFICATIONS, AS ADOPTED BY THE ACSA.
5. DATUM FOR ALL ELEVATIONS SHOWN IN NATIONAL GEODETIC SURVEY.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY (1-800-552-7001).
7. ALL WATER AND SEWER PIPES SHALL HAVE A MINIMUM OF THREE AND A HALF (3.5) FEET OF COVER MEASURED FROM THE TOP OF PIPE, OVER THE CENTERLINE OF PIPE. THIS INCLUDES ALL FIRE HYDRANT LINES, SERVICE LATERALS AND WATER LINES, ETC.
8. ALL WATER AND SEWER APPURTENANCES ARE TO BE LOCATED OUTSIDE OF ROADSIDE DITCHES.
9. VALVES ON DEADEND LINES SHALL BE RODDED TO PROVIDE ADEQUATE RESTRAINT FOR THE VALVE DURING A FUTURE EXTENSION OF THE LINE.
10. TREES ARE NOT PERMITTED IN THE ACSA EASEMENT.
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH THE NO-LEAD REGULATION REGARDING BRASS FITTINGS EFFECTIVE JANUARY 4, 2014 (SENATE BILL 3874 WHICH AMENDS THE SAFE DRINKING WATER ACT).
12. THE SEWER LATERAL BEYOND THE CONNECTION AT THE SEWER MAIN SHALL BE PRIVATE. THE SEWER LATERAL STUB-OUT SHALL UNDERGO THE ACSA LOW-PRESSURE AIR TEST TO SATISFY COUNTY TESTING REQUIREMENTS. VISUAL INSPECTION OF THE SEWER LATERAL STUB-OUT SHALL BE WITNESSED BY THE COUNTY BUILDING INSPECTIONS DEPARTMENT. THIS INSPECTION SHALL OCCUR UNDER AN “OTHER PLUMBING” PERMIT WHICH MUST BE OBTAINED BY THE CONTRACTOR.
13. THE SEWER LATERAL BEYOND THE CONNECTION AT A MANHOLE SHALL BE PRIVATE. VISUAL INSPECTION AND PRESSURE TESTING OF THE SEWER LATERAL SHALL BE WITNESSED BY THE COUNTY BUILDING INSPECTIONS DEPARTMENT. THIS INSPECTION SHALL OCCUR UNDER AN “OTHER PLUMBING” PERMIT WHICH MUST BE OBTAINED BY THE CONTRACTOR.
14. THE FIRE SPRINKLER MAIN DOWNSTREAM OF THE GATE VALVE IS PRIVATE. VISUAL INSPECTION AND TESTING OF THE FIRE SPRINKLER MAIN DOWNSTREAM OF THE GATE VALVE SHALL BE WITNESSED BY THE COUNTY BUILDING INSPECTIONS DEPARTMENT. THIS INSPECTION SHALL OCCUR UNDER AN “OTHER PLUMBING” PERMIT WHICH MUST BE OBTAINED BY THE CONTRACTOR.
15. ALL FLUSHING OF FIRE SPRINKLER MAINS SHALL NOT OCCUR UNTIL APPROVAL IS GIVEN BY THE ACSA.
16. PRIOR TO BACKFLOW PREVENTION DEVICE TESTING AND THE ESTABLISHMENT OF WATER SERVICE, ALL BACKFLOW PREVENTION DEVICE INSTALLATIONS SHALL MEET THE ACSA BACKFLOW REQUIREMENTS AS DETAILED IN *SECTION 8* OF THE MOST RECENT REVISION OF THE *ACSA RULES AND REGAULTIONS*.
17. A DEED OF EASEMENT AND EASEMENT PLAT FOR THE UTILITY EASEMENTS, APPROVED BY THE ACSA, SHALL BE RECORDED PRIOR TO ANY WATER AND/OR SEWER SERVICE BEING ESTABLISHED.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

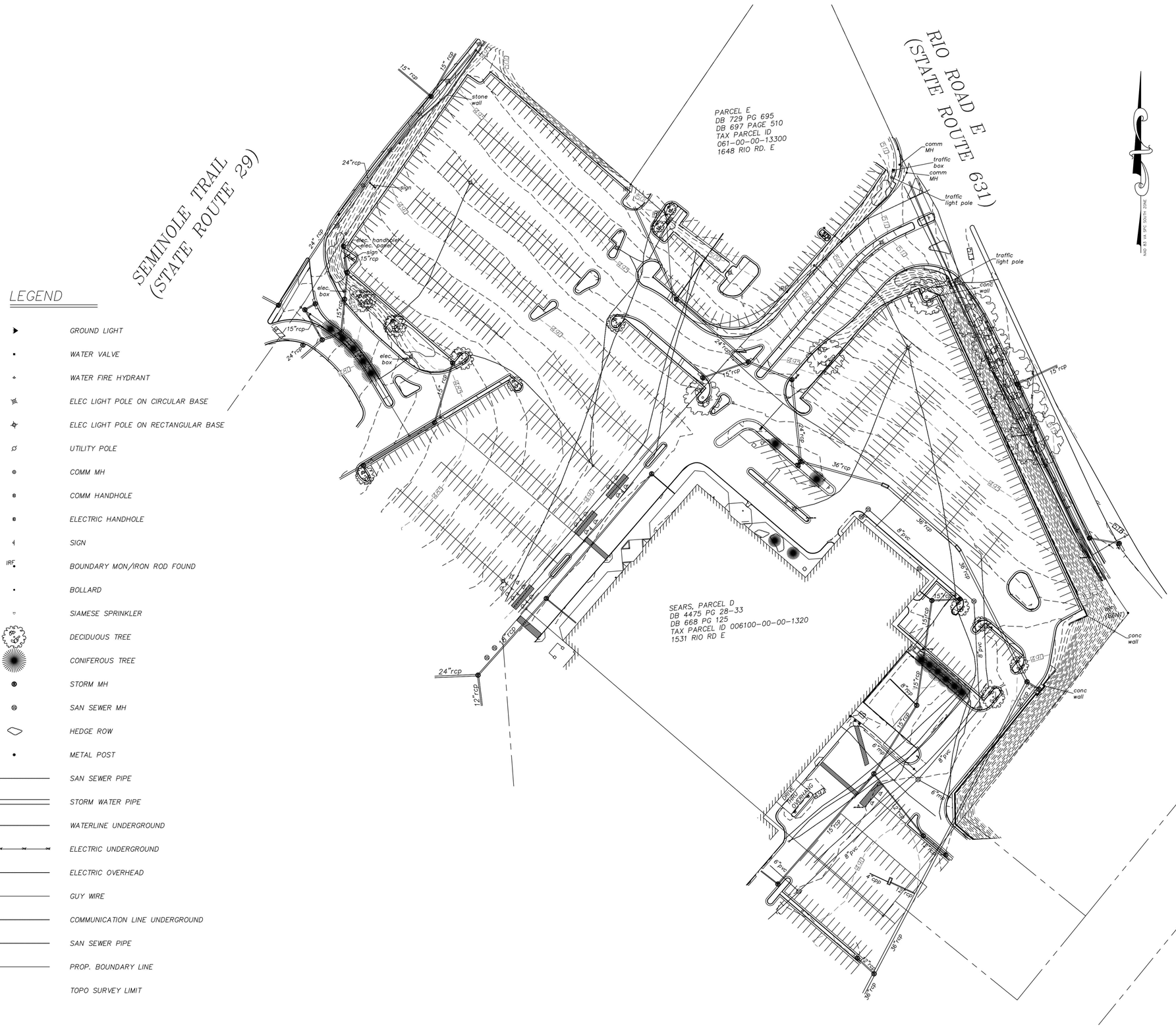
KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

ALBEMARLE COUNTY
GENERAL NOTES

HOME DEPOT
VA
ALBEMARLE

SHEET NUMBER
CA-102

Plotted By: Lord, Donnie - Sheet Set: PMT Sheetset Layout: CA-102 ALBEMARLE COUNTY GENERAL NOTES March 31, 2023 11:10:06pm K:\NC_CLT\113226001 - HD Fashion Square Mall\CAD\PlanSheets\CA-102 ALBEMARLE COUNTY GENERAL NOTES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

- GROUND LIGHT
- WATER VALVE
- WATER FIRE HYDRANT
- ELEC LIGHT POLE ON CIRCULAR BASE
- ELEC LIGHT POLE ON RECTANGULAR BASE
- UTILITY POLE
- COMM MH
- COMM HANDHOLE
- ELECTRIC HANDHOLE
- SIGN
- IRF — BOUNDARY MON/IRON ROD FOUND
- BOLLARD
- SIAMESE SPRINKLER
- DECIDUOUS TREE
- CONIFEROUS TREE
- STORM MH
- SAN SEWER MH
- HEDGE ROW
- METAL POST
- SAN SEWER PIPE
- STORM WATER PIPE
- WATERLINE UNDERGROUND
- ELECTRIC UNDERGROUND
- ELECTRIC OVERHEAD
- GUY WIRE
- COMMUNICATION LINE UNDERGROUND
- SAN SEWER PIPE
- PROP. BOUNDARY LINE
- TOPO SURVEY LIMIT

NOTES

(1) THIS DRAWING IS BASED ON A CURRENT FIELD SURVEY PERFORMED BY CIVIL SURVEYORS, INC. ON JULY 18, 2022.

(2) HORIZONTAL DATUM AND VERTICAL DATUM ARE NAD 83 – VIRGINIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, U.S. FEET. AND NAVD 88 ESTABLISHED USING GPS OBSERVATIONS PERFORMED ON JUNE 18, 2022.

(3) UNDERGROUND UTILITIES SURVEY WAS PERFORMED AT QUALITY LEVEL "B"

(4) BOUNDARY SURVEY WAS NOT PERFORMED. BOUNDARY LINES SHOWN WERE COMPILED FROM PLATS, DEEDS AND OTHER LAND RECORDS PROVIDED BY CLIENTS.

TOPOGRAPHIC SURVEY OF

TAX PARCEL ID-006100-00-00-1320
FASHION SQUARE MALL
CHARLOTTESVILLE, VIRGINIA

0 60 120 180

Scale: 1" = 60'

CIVIL SURVEYORS INC.
D.B.A. D & M Surveyors
221 Queen Street, P.O. Box 1828, Tappahannock, Va. 22560
Office: 804-443-3080
Email: lwhite@civsur.com

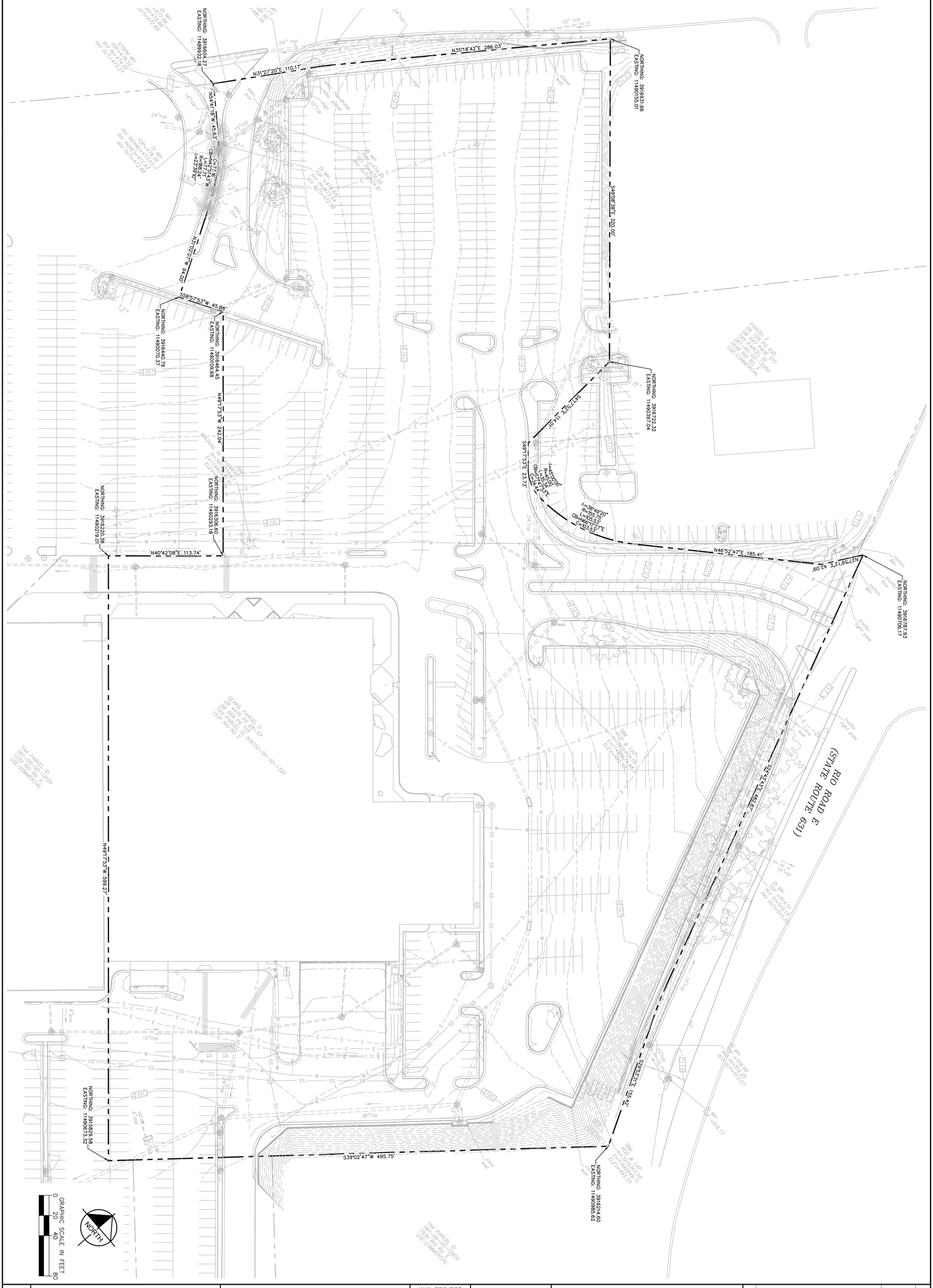
Tax ID:
Parcel:
Revised:

Date: 7/18/2022 | Drawn By: LOK | Sheet No. 1 of 1
Scale: 1" = 60 | Checked By: LOW

SURVEY

CV-101

Plotted By:Land, Donnie Sheet Set:PMT Sheetset Layout:CV-102 EXISTING CONDITIONS March 31, 2023 11:23:37am K:\RIC_CIV\113226001 - HD Fashion Square Mall\CAD\PlanSheets\CV-102 EXISTING CONDITIONS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



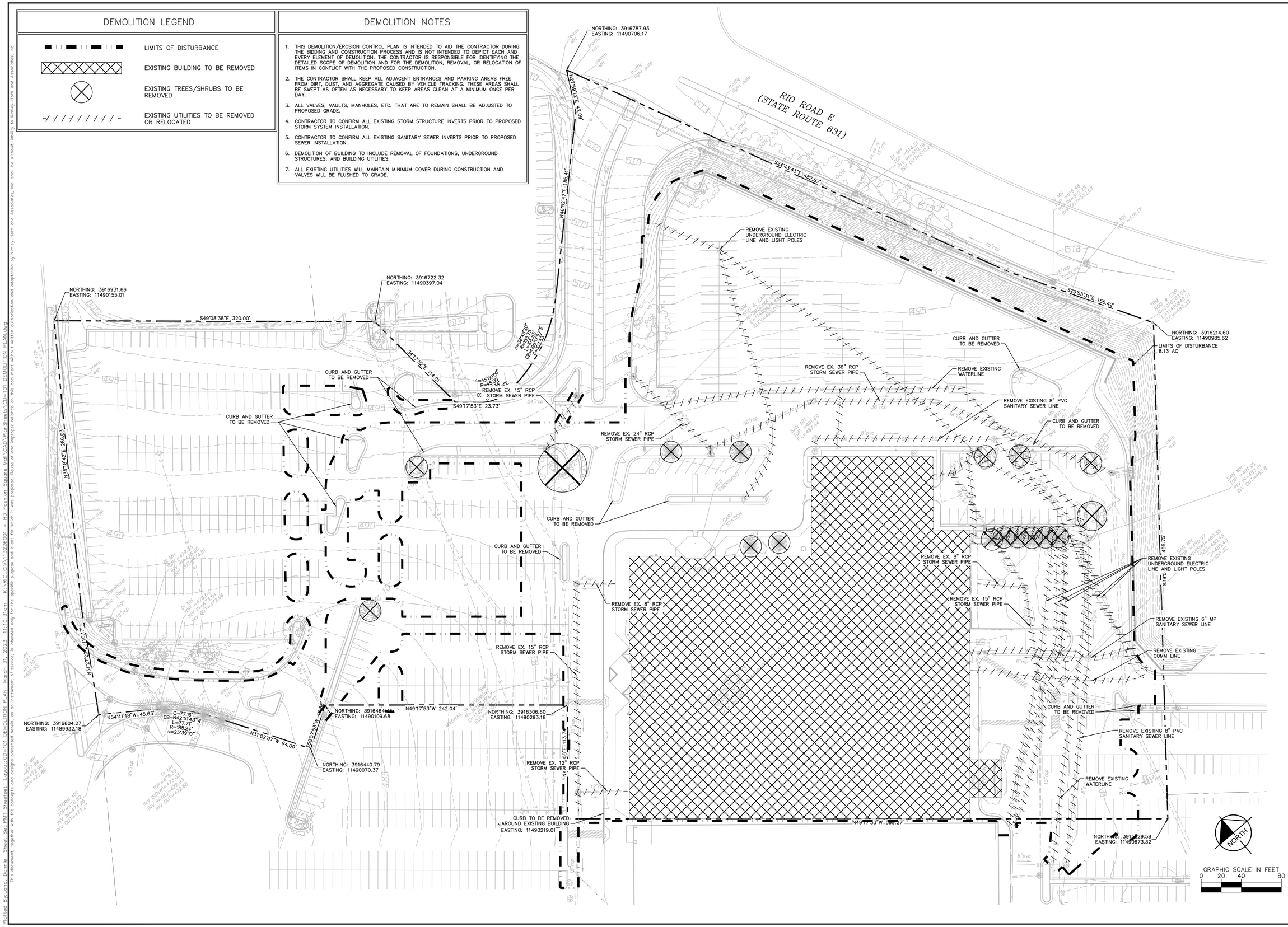
SHEET NUMBER CV-102	HOME DEPOT ALBEMARLE VA	EXISTING CONDITIONS	KHA PROJECT 113226001 DATE 10/24/2022 SCALE AS SHOWN DESIGNED BY AHW DRAWN BY AHW CHECKED BY DBE	Kimley»Horn © 2023 KIMLEY-HORN AND ASSOCIATES, INC. 2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230 PHONE: 804-673-3882 WWW.KIMLEY-HORN.COM	No. REVISIONS DATE BY

DEMOLITION LEGEND

- LIMITS OF DISTURBANCE
- EXISTING BUILDING TO BE REMOVED
- EXISTING TREES/SHRUBS TO BE REMOVED
- EXISTING UTILITIES TO BE REMOVED OR RELOCATED

DEMOLITION NOTES

1. THIS DEMOLITION/EROSION CONTROL PLAN IS INTENDED TO AID THE CONTRACTOR DURING THE BIDDING AND CONSTRUCTION PROCESS AND IS NOT INTENDED TO DEPICT EACH AND EVERY ELEMENT OF DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE DETAILED SCOPE OF DEMOLITION AND FOR THE DEMOLITION, REMOVAL, OR RELOCATION OF ITEMS IN CONFLICT WITH THE PROPOSED CONSTRUCTION.
2. THE CONTRACTOR SHALL KEEP ALL ADJACENT ENTRANCES AND PARKING AREAS FREE FROM DIRT, DUST, AND AGGREGATE CAUSED BY VEHICLE TRACKING. THESE AREAS SHALL BE SWEPT AS OFTEN AS NECESSARY TO KEEP AREAS CLEAN AT A MINIMUM ONCE PER DAY.
3. ALL VALVES, VAULTS, MANHOLES, ETC. THAT ARE TO REMAIN SHALL BE ADJUSTED TO PROPOSED GRADE.
4. CONTRACTOR TO CONFIRM ALL EXISTING STORM STRUCTURE INVERTS PRIOR TO PROPOSED STORM SYSTEM INSTALLATION.
5. CONTRACTOR TO CONFIRM ALL EXISTING SANITARY SEWER INVERTS PRIOR TO PROPOSED SEWER INSTALLATION.
6. DEMOLITION OF BUILDING TO INCLUDE REMOVAL OF FOUNDATIONS, UNDERGROUND STRUCTURES, AND BUILDING UTILITIES.
7. ALL EXISTING UTILITIES WILL MAINTAIN MINIMUM COVER DURING CONSTRUCTION AND VALVES WILL BE FLUSHED TO GRADE.



Plotted By: Lord, Dominic Sheet Set: PMT Sheetlist: Layout: CD-101 DEMOLITION PLAN March 31, 2023 11:10:31am K:\VRC_CVA\113226001 - HD Fashion Square Mall\CAD\PlanSheets\CD-101 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

DEMOLITION PLAN

HOME DEPOT

VA
ALBEMARLE

SHEET NUMBER
CD-101

PHASE I PROBABLE CONSTRUCTION SEQUENCE

1. SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING. THE OWNER MUST GIVE THE COUNTY INSPECTOR AT LEAST 48 HOURS NOTIFICATION TO SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING FOR THE ISSUANCE OF A LAND DISTURBANCE PERMIT. THE CERTIFIED REGISTERED LAND DISTURBER (CRLD) MUST ATTEND THE MEETING.
2. THE VSMP CONSTRUCTION ACTIVITY OPERATOR AND THE COUNTY ENVIRONMENTAL INSPECTOR MUST ATTEND THE PRE-CONSTRUCTION MEETING.
3. INSTALL PERIMETER SAFETY FENCE, SILT FENCE, INLET PROTECTION AS SHOWN ON PLAN.
4. INSTALL CONSTRUCTION ENTRANCE AT EXISTING ENTRANCE ON SEMINOLE TRAIL. CONTRACTOR TO KEEP EXISTING ROADS FREE OF MUD AND DEBRIS AT ALL TIMES.
5. BEGIN SITE DEMOLITION ACTIVITIES. MAINTAIN POSITIVE DRAINAGE TO EROSION CONTROL MEASURES AT ALL TIMES. CONTRACTOR TO SEED/MULCH AREAS IMMEDIATELY AS DISTURBANCE CONTINUES THROUGHOUT CONSTRUCTION.
6. ONCE DEMOLITION IS COMPLETE AND ALL PHASE I EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE, CONTRACTOR MAY BEGIN PHASE II CONSTRUCTION ACTIVITIES. REFER TO SHEET CE-102 FOR PHASE II SEQUENCE OF CONSTRUCTION.

E&S LEGEND

STD. & SPEC.	MEASURE	CALLOUT	SYMBOL	QUANTITY
3.01	SAFETY FENCE	SAF		2,208 LF
3.02	CONSTRUCTION ENTRANCE	CE		1 EA.
3.07	INLET PROTECTION	IP		16 EA.
3.31	TEMPORARY SEEDING	TS	TS	±0.66 AC.
	LIMITS OF DISTURBANCE			8.14 AC.

NORTHING: 3916787.93
EASTING: 11490706.17

NORTHING: 3916931.66
EASTING: 11490155.01

NORTHING: 3916722.32
EASTING: 11490397.04

NORTHING: 3916214.60
EASTING: 11490985.62

NORTHING: 3916604.27
EASTING: 11489932.18

NORTHING: 3916464.46
EASTING: 11490109.68

NORTHING: 3916306.60
EASTING: 11490293.18

NORTHING: 3916440.79
EASTING: 11490070.37

NORTHING: 3916220.38
EASTING: 11490219.01

NORTHING: 3915829.58
EASTING: 11490673.32

RIO ROAD E
(STATE ROUTE 631)

APPROXIMATE LOCATION OF STAGING OFFICE TRAILER

APPROXIMATE LOCATION OF LAYDOWN AREA

S49°08'38"E, 320.00'
N35°18'42"E, 266.03'
N27°27'22"E, 101.26'
N54°41'18"W, 45.63'
C=77.16'
CB=N42°51'43"W
L=77.71'
R=188.24'
Δ=23°39'10"
N31°02'07"W, 94.00'
S58°57'53"W, 8.00'
N49°17'53"W, 242.04'
N40°42'07"E, 113.00'
S49°17'53"E, 23.73'
N27°27'22"E, 42.09'
N62°32'47"E, 185.41'
S24°43'43"E, 482.87'
S29°53'31"E, 155.42'
S49°17'53"E, 114.01'
N49°17'53"W, 599.27'
S40°42'07"W, 113.00'
S35°47'52"W, 468.75'
Δ=36°16'20"
R=55.00'
L=34.82'
CB=S67°55'57"E
C=34.23'
Δ=45°00'00"
R=55.00'
L=43.20'
CB=S71°43'53"E
C=42.08'

SAF — SILT FENCE
CE — CONSTRUCTION ENTRANCE
IP — INLET PROTECTION

GRAPHIC SCALE IN FEET
0 20 40 80

NORTH

Plotted By: Lord, Donnie - Sheet Set: PMT Sheetset Layout: CE-101 PHASE I EROSION AND SEDIMENT CONTROL PLAN March 31, 2023 - 11:10:44am K:\RIC_CIV\113226001 - HD Fashion Square Mall\CAD\PlnSheets\CE-101 PHASE I EROSION AND SEDIMENT CONTROL PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

PHASE I EROSION AND SEDIMENT CONTROL PLAN

HOME DEPOT

VA
ALBEMARLE

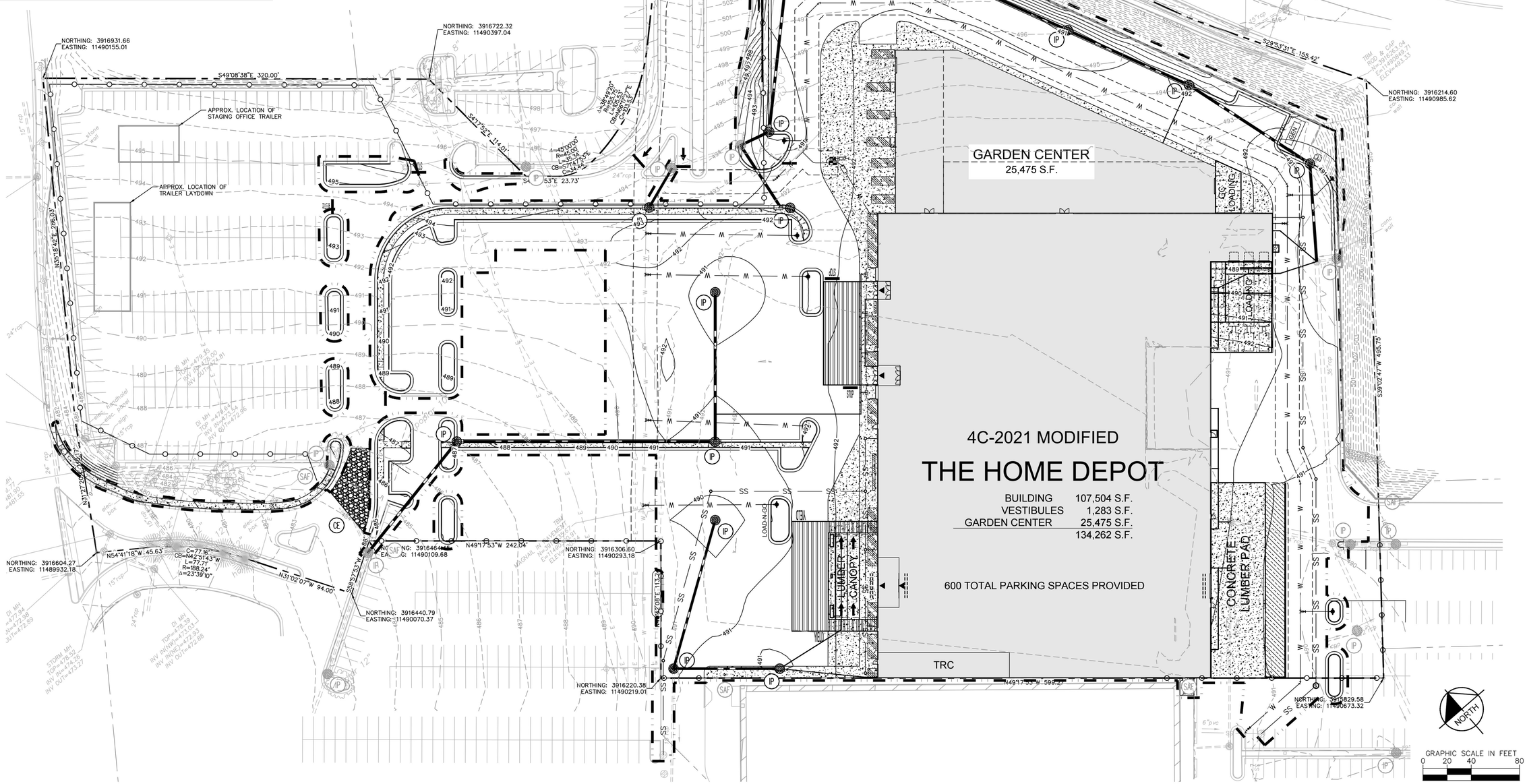
SHEET NUMBER
CE-101

PHASE II PROBABLE CONSTRUCTION SEQUENCE

1. CONTRACTOR TO INSPECT AND MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES AND MAKE ANY NECESSARY REPAIRS/ADDITIONS BEFORE BEGINNING PROPOSED IMPROVEMENTS.
2. BEGIN SITE GRADING TO PROPOSED FINISHED GRADES MAINTAINING POSITIVE DRAINAGE TO EXISTING INLETS. INLET PROTECTION IS TO REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION.
3. INSTALL STORM SEWER AND INLET PROTECTION AND BEGIN INSTALLATION OF UTILITIES.
4. BEGIN CONSTRUCTION OF INTERNAL PARKING, CURB AND GUTTER, AND DRIVE AISLES. INSTALL STONE BASE TO ALL PARKING AREAS TO SERVE AS TEMPORARY STABILIZATION AND INSTALL TEMPORARY SEEDING IN NEWLY GRADED AREAS.
5. CONSTRUCT PROPOSED BUILDING.
6. PAVE PARKING AREAS, INSTALL PAVEMENT STRIPING, AND FULLY STABILIZE ON-SITE IMPROVEMENTS.
7. REMOVE EROSION CONTROLS UPON FULL STABILIZATION OF ALL SITE IMPROVEMENTS. NO EROSION AND SEDIMENT CONTROL MEASURES CAN BE REMOVED WITHOUT APPROVAL OF THE ENVIRONMENTAL INSPECTOR FOR THE SITE.
8. INSTALL FINAL LANDSCAPING AND PLANTINGS.
9. SITE CLEANUP/DEMOBILIZATION.

VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL

STD. & SPEC.	MEASURE	CALLOUT	SYMBOL	QUANTITY
3.02	CONSTRUCTION ENTRANCE	CE		1 EA.
3.07	INLET PROTECTION	IP		14 EA.
3.32	PERMANENT SEEDING	PS	PS	±0.66 AC.
LIMITS OF DISTURBANCE				8.14 AC.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2023 KIMLEY-HORN AND ASSOCIATES, INC.

2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT	113226001
DATE	10/24/2022
SCALE	AS SHOWN
DESIGNED BY	AHW
DRAWN BY	AHW
CHECKED BY	DBE

PHASE II EROSION AND SEDIMENT CONROL PLAN

HOME DEPOT

ALBEMARLE VA

SHEET NUMBER
CE-102

Plotted By:Lord, Dorcie Sheet Set:PMT Sheetset Layout:CE-102 PHASE II EROSION AND SEDIMENT CONROL PLAN March 31, 2023, 11:10:56pm K:\RIC_CIV\113226001 - HD Fashion Square Mall\CAD\PlanSheets\CE-102 PHASE II EROSION AND SEDIMENT CONROL PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SITE NOTES

1. ALL CURB RADII ARE 5.0' UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL STOP SIGNS, DIRECTIONAL SIGNS, AND STRIPING SHOWN ON THE PLANS.
4. REFER TO FINAL GEOTECHNICAL REPORT FOR FINAL PAVEMENT SECTIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL STOP SIGNS, DIRECTIONAL SIGNS, AND STRIPING SHOWN ON THE PLANS.
6. REFER TO FINAL GEOTECHNICAL REPORT FOR FINAL PAVEMENT SECTIONS.

SITE LEGEND

- HEAVY DUTY PAVEMENT SEE 26-A2 ON SHEET CS-501
- CONCRETE SIDEWALK SEE SHEET CS-502
- LIGHT DUTY PAVEMENT SEE 26-A1 ON SHEET CS-501
- MILL AND OVERLAY SEE SHEET CS-502
- CONCRETE CURB AND GUTTER SEE 26-C2 ON SHEET CS-501
- SPILLING CURB/GUTTER SEE SHEET CS-502

RIO ROAD E (STATE ROUTE 631)

NORTHING: 3916787.93
EASTING: 11490706.17

PROPOSED RETAINING WALL BY OTHERS
SINGLE CART CORRAL
ADA HANDICAP SYMBOL REFER TO DETAIL 26-E2 ON SHEET CS-501
HANDICAP ACCESSIBLE SIGN AND POST REFER TO DETAIL 26-F ON SHEET CS-502
4" STRIPE ISLAND
PROPOSED DEPRESSED CURB AT GENERATOR GATE
ACCESSIBLE STRIPING REFER TO DETAIL 26-E1 ON SHEET CS-501
OUTDOOR DISPLAYS 931 SF)
PROPOSED RETAINING WALL BY OTHERS
NORTHING: 3916214.60
EASTING: 11490985.62

GARDEN CENTER
25,475 S.F.

OUTDOOR DISPLAYS (1,513 SF)
STOP BAR
EXISTING RETAINING WALL
ADA HANDICAP SYMBOL REFER TO DETAIL 26-E2 ON SHEET CS-501
CROSSWALK WHITE STRIPING 6' WIDTH, 2.5' APART
ACCESSIBLE STRIPING REFER TO DETAIL 26-E1 ON SHEET CS-501
STOP BAR
OUTDOOR STORAGE (2,575 SF)
MASONRY SCREEN WALL

4C-2021 MODIFIED

THE HOME DEPOT

BUILDING	107,504 S.F.
VESTIBULES	1,283 S.F.
GARDEN CENTER	25,475 S.F.
	134,262 S.F.

600 TOTAL PARKING SPACES PROVIDED

CROSSWALK WHITE STRIPING 6' WIDTH, 2.5' APART
STRAIGHT CURB REFER TO DETAIL 26-C1 ON CS-501
PROPANE CAGES (62 SF)
LOAD-N-GO (2 SPACES) REFER TO DETAIL 26-E5 ON SHEET CS-501
5' CONCRETE SIDEWALK
VETERAN PARKING (2 SPACES) REFER TO DETAIL 26-E4 ON SHEET CS-501
ON-LINE PARKING (4 SPACES) REFER TO DETAIL 26-E4 ON SHEET CS-501
DOUBLE CART CORRAL
HANDICAP ACCESSIBLE SIGN AND POST REFER TO DETAIL 26-F ON SHEET CS-502
(2) SINGLE CART CORRAL
VDOT STD. CG-12B
4' CONCRETE SIDEWALK
SIDEWALK FLUSH WITH PAVEMENT
THD TRUCK RENTAL (3 SPACES) REFER TO DETAIL 26-E4 ON SHEET CS-501
PRO PARKING RESERVED SIGN REFER TO DETAIL 26-E4 ON SHEET CS-501
HANDICAP ACCESSIBLE SIGN AND POST REFER TO DETAIL 26-F ON SHEET CS-502
HANDICAP SYMBOL REFER TO DETAIL 26-E2 ON SHEET CS-501
ACCESSIBLE STRIPING REFER TO DETAIL 26-E1 ON SHEET CS-501

LUMBER CANOPY
CONCRETE LUMBER PAD
LOADING
GS1
TRC

NORTHING: 3916931.66
EASTING: 11490155.01
NORTHING: 3916722.32
EASTING: 11490397.04
NORTHING: 3916604.27
EASTING: 11489932.18
NORTHING: 3916464.42
EASTING: 11490109.68
NORTHING: 3916306.60
EASTING: 11490293.18
NORTHING: 3916440.79
EASTING: 11490070.37
NORTHING: 3916220.38
EASTING: 11490219.01
NORTHING: 3915829.58
EASTING: 11490673.32

GRAPHIC SCALE IN FEET
0 20 40 80

NORTH

Plotted By: Lord, Donnie Sheet Set: PMT Sheetset Layout: CS-101 SITE PLAN March 31, 2022, 11:11:08am K:\RIC_CIV\113226001 – HD Fashion Square Mall\C4E\PlanSheets\CS-101 SITE PLAN.dwg
This document, together with the concepts and designs presented therein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

SITE PLAN

HOME DEPOT

ALBEMARLE VA

SHEET NUMBER
CS-101

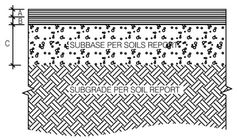
Plotted By: Land, Donnie Sheet Set: PMT Sheetset Layout: CS-501 SITE DETAILS March 31, 2023, 11:11:18am K:\RIC_CVA\113226001 - HD Fashion Square Mall\C4D\PlnSheets\CS-501 SITE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

LIGHT DUTY PAVING

A = 2" ASPHALT CONCRETE - SURFACE COURSE
B = NOT APPLICABLE
C = 6" AGGREGATE BASE COURSE

HEAVY DUTY PAVING

A = 1" ASPHALT CONCRETE - SURFACE COURSE
B = 2.5" ASPHALT CONCRETE - BASE COURSE
C = 8" AGGREGATE BASE COURSE



ASPHALT PAVING NOTES

A. SUBGRADE COMPACTION: (PER GEOTECHNICAL REPORT AND HOME DEPOT CRITERIA)
B. BASE COURSE TO CONFORM TO VDOT STANDARDS FOR BASE COURSE COMPACTED TO 100% OF THE MODIFIED PROCTOR (ASTM D-1557) MAXIMUM DRY DENSITY
C. ALL SUBGRADE AND PAVEMENT OPERATIONS AND MATERIALS SHALL MEET THE MINIMUM REQUIREMENTS OF THE CURRENT VDOT STANDARDS AND SPECIFICATIONS MANUAL
D. PROVIDE TACK COAT BETWEEN BASE COURSE AND SURFACE COURSE IF VDOT SPECIFICATIONS REQUIRE OR CONDITIONS WARRANT.

HEAVY DUTY PAVING

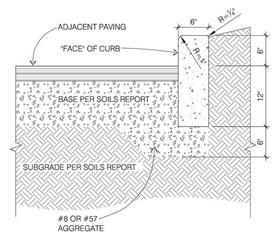
A = 6.5" CONCRETE PAVEMENT SECTION
B = 4" AGGREGATE BASE COURSE



CONCRETE PAVING NOTES

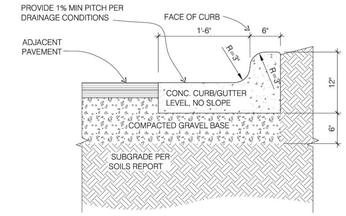
A. SUBGRADE COMPACTION: (PER GEOTECHNICAL REPORT AND HOME DEPOT CRITERIA)
B. BASE COURSE TO CONFORM TO VDOT STANDARDS FOR BASE COURSE COMPACTED TO 100% OF THE MODIFIED PROCTOR (ASTM D-1557) MAXIMUM DRY DENSITY
C. ALL SUBGRADE AND PAVEMENT OPERATIONS AND MATERIALS SHALL MEET THE MINIMUM REQUIREMENTS OF THE CURRENT VDOT STANDARDS AND SPECIFICATIONS MANUAL
D. REINFORCE ACCORDING TO ACI RECOMMENDATIONS AND/OR GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
E. CONTROL JOINTS AND EXPANSION JOINTS SHALL BE ADDED PER ACI RECOMMENDATIONS AND/OR GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

DESIGNER NOTE: CONCRETE PARKING LOT PAVEMENT SHALL BE USED IN REGIONS WHERE REQUIRED BY LOCAL CONDITIONS, PRACTICE OR PER HOME DEPOT DIRECTION



CURB NOTES

A. PROVIDE #6 x 18" LONG, SMOOTH DOWELS AT ALL EXPANSION JOINTS
B. ½" ELASTOMERIC EXPANSION JOINTS AT 30' MAXIMUM INTERVALS PER ACI RECOMMENDATIONS AND AT ALL RADII AND AT DRAINAGE STRUCTURES.
C. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI
D. LIGHT BROOM FINISH ON ALL SURFACES, ALL RADII TO BE TRUE ARCS.
E. PROVIDE (2) #4 BARS, 10'-0" LONG, CENTERED OVER ALL TRENCH CROSSINGS
F. PROVIDE (2) #6 x 2'-6" LONG BARS TO CONNECT EXISTING AND NEW CURBS
G. PROVIDE 4" PVC / HDPE WHEN RECOMMENDED BY THE GEOTECHNICAL REPORT. CONNECT TO THE STORM



CURB AND GUTTER NOTES

A. PROVIDE #6 x 18" LONG, SMOOTH DOWELS AT ALL EXPANSION JOINTS
B. ½" EXPANSION JOINTS WITH BITUMINOUS SEALANT AT INTERVALS PER ACI RECOMMENDATIONS, AT ALL RADII AND AT DRAINAGE STRUCTURES.
C. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI
D. LIGHT BROOM FINISH ON ALL SURFACES, ALL RADII TO BE TRUE ARCS.
E. PROVIDE (2) #4 BARS, 10'-0" LONG, CENTERED OVER ALL TRENCH CROSSINGS
F. PROVIDE (2) #6 x 2'-6" LONG BARS TO CONNECT EXISTING AND NEW CURBS
G. GUTTER SHALL PITCH AS REQUIRED TO CONVEY DRAINAGE
H. PROVIDE 4" PVC / HDPE WHEN RECOMMENDED BY THE GEOTECHNICAL REPORT. CONNECT TO THE STORM

DESIGNER NOTE: USED ONLY WHEN DRAINAGE CONDITIONS, DEVELOPER REQUIREMENTS, OR JURISDICTION REQUIRES CURB AND GUTTER

26-A1 LIGHT DUTY PAVEMENT
SCALE: NTS

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

26-A2 HEAVY DUTY CONCRETE PAVEMENT
SCALE: NTS

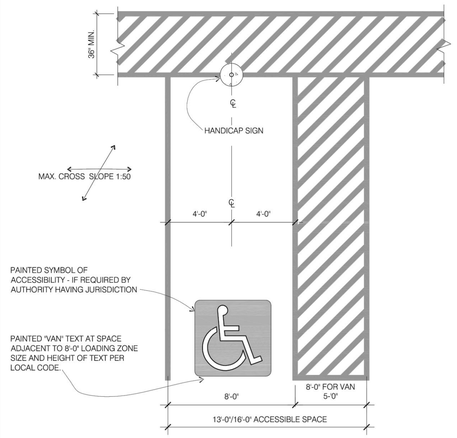
THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

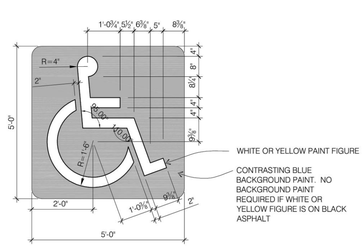
26-C1 STRAIGHT CONCRETE CURB
SCALE: NTS

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

26-C2 CONCRETE CURB AND GUTTER
SCALE: NTS

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

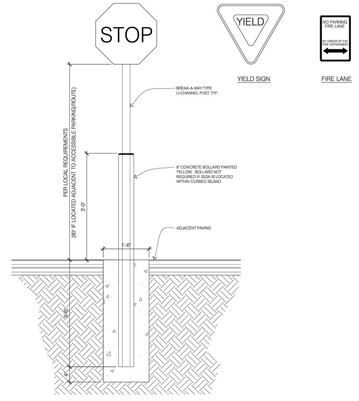


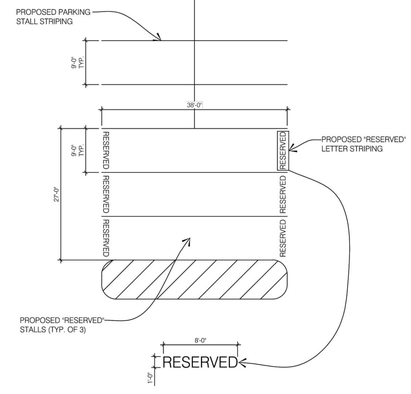


INTERNATIONAL SYMBOL OF ACCESSIBILITY NOTES

A. SYMBOL TO BE CENTERED ON WIDTH OF PARKING STALL.
B. BOTTOM OF SYMBOL TO BE LOCATED 2'-6" FROM ACCESS DRIVE, INTO PARKING SPACE.
C. SYMBOL IS REQUIRED TO CONTRAST WITH BACKGROUND.

DESIGNER NOTE: PAINTED SYMBOL ONLY NECESSARY WHERE REQUIRED BY LOCAL CODES.





26-E1 TYPICAL ACCESSIBLE HANDICAP PARKING STALL
SCALE: NTS

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

26-E2 HANDICAP SYMBOL
SCALE: NTS

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

26-E3 TYPICAL TRAFFIC CONTROL SIGNAGE
SCALE: NTS

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

26-E4 RESERVED PARKING DETAIL
SCALE: NTS

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

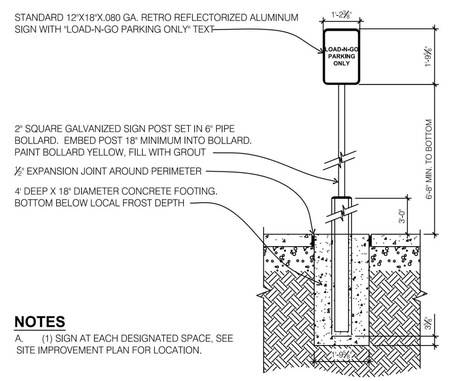
KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

SITE DETAILS

HOME DEPOT

ALBEMARLE VA

SHEET NUMBER
CS-501



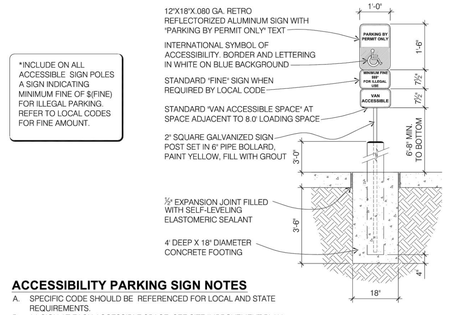
NOTES

A. (1) SIGN AT EACH DESIGNATED SPACE, SEE SITE IMPROVEMENT PLAN FOR LOCATION.

26-E5 LOAD-N-GO PARKING SIGN

SCALE: NTS

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WO PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.



*INCLUDE ON ALL ACCESSIBLE SIGN POLES A SIGN INDICATING MINIMUM FINE OF $(FINE) FOR ILLEGAL PARKING. REFER TO LOCAL CODES FOR FINE AMOUNT.

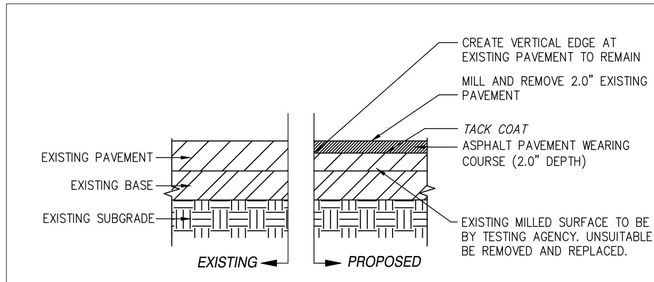
ACCESSIBILITY PARKING SIGN NOTES

A. SPECIFIC CODE SHOULD BE REFERENCED FOR LOCAL AND STATE REQUIREMENTS.
B. (1) SIGN AT EACH ACCESSIBLE SPACE. SEE SITE IMPROVEMENT PLAN FOR LOCATION.

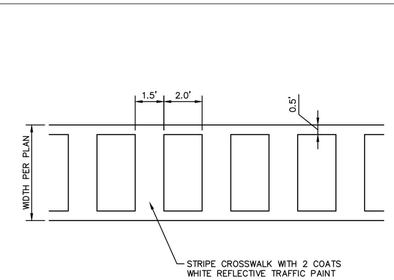
26-F HANDICAP PARKING / TRAFFIC CONTROL SIGNAGE

SCALE: NTS

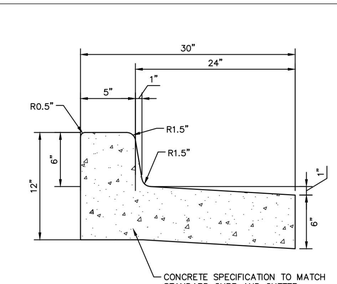
THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WO PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.



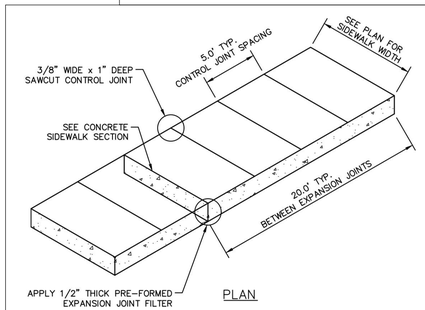
2" MILL AND OVERLAY

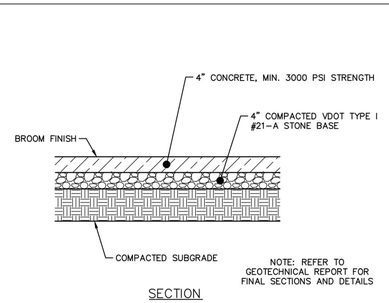


CROSSWALK STRIPING

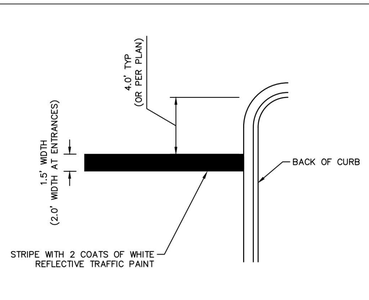


SPILLING CURB AND GUTTER (30")

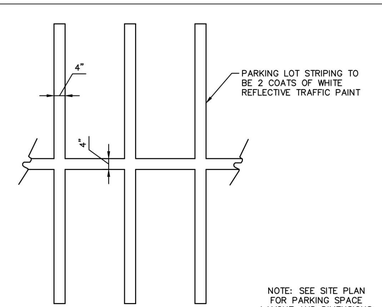




CONCRETE SIDEWALK



STOP BAR STRIPING



PARKING LOT STRIPING

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT	113226001
DATE	10/24/2022
SCALE	AS SHOWN
DESIGNED BY	AHW
DRAWN BY	AHW
CHECKED BY	DBE

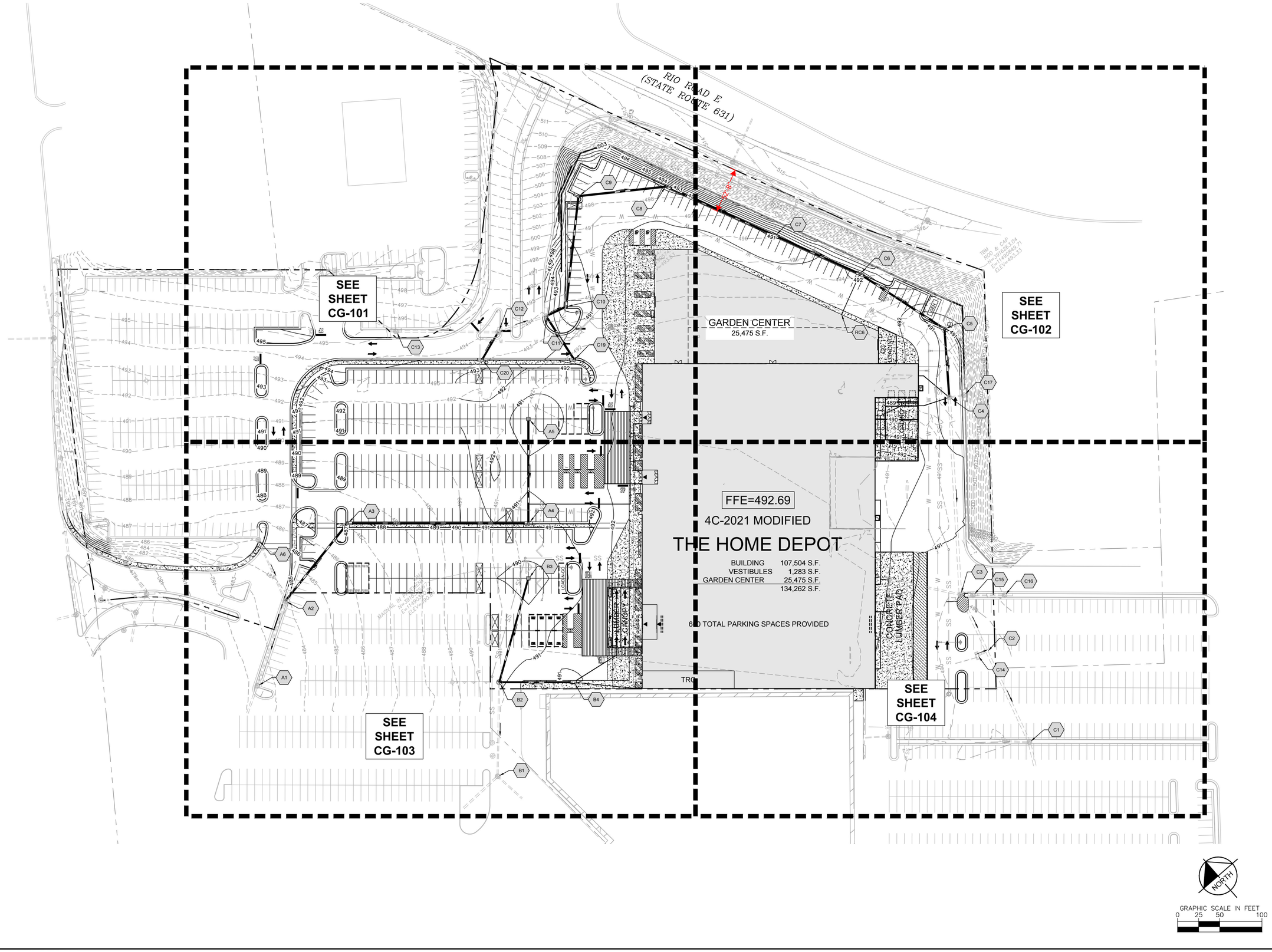
SITE DETAILS

HOME DEPOT

ALBEMARLE VA

SHEET NUMBER
CS-502

Plotted By:Land, Donnie Sheet Set:PMT Sheetset Layout:CS-502 SITE DETAILS March 31, 2023 11:11:30pm K:\RIC_CIV\113226001 -HD Fashion Square Mall\C4D\PlanSheets\CS-502 SITE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



Plotted By: Lord, Donnie Sheet Set: ENT Sheetset Layout: CG-100 OVERALL GRADING PLAN March 31, 2023 11:11:47am K:\VNC_CIVIL\113226001 — HD Fashion Square Mall\CAD\PlanSheets\CG-101 GRADING PLAN.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2023 KIMLEY-HORN AND ASSOCIATES, INC.

2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

OVERALL GRADING PLAN

HOME DEPOT

ALBEMARLE VA

SHEET NUMBER
CG-100

GRADING LEGEND

TC:	TOP OF CURB ELEVATION
BC:	BOTTOM OF CURB ELEVATION
TW:	TOP OF WALL ELEVATION
BW:	BOTTOM OF WALL ELEVATION
TI:	TOP OF ISLAND ELEVATION
BI:	BOTTOM OF ISLAND ELEVATION
FF:	FINISHED FLOOR ELEVATION
FS:	FINISHED SURFACE ELEVATION
P:	PAVEMENT ELEVATION
G:	GROUND ELEVATION
RIM:	STRUCTURE RIM ELEVATION
ME:	MATCH EXISTING

XXX — DRAINAGE STRUCTURE CALLOUT

VDOT STANDARD CG-6

SPILLING CURB AND GUTTER

GRADING NOTES

1. THE ROOF/LANDSCAPE DRAINAGE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE CURRENT EDITION OF THE INTERNATIONAL PLUMBING CODE.
2. PIPE LENGTHS ARE MEASURED FROM CENTER OF CHAMBER TO CENTER OF CHAMBER.
3. VDOT STANDARD ST-1 STEPS ARE REQUIRED ON ALL STRUCTURES WITH HEIGHT GREATER THAN 4 FEET.
4. ADA ACCESSIBLE PARKING SPACES ARE SHOWN AS SHADED AND DESIGNED WITH A MAXIMUM 1.5% SLOPE IN ALL DIRECTIONS. CONTRACTOR TO ENSURE SLOPE DOES NOT EXCEED 2.0% IN ANY DIRECTION.
5. PROPOSED SIDEWALK/ADA ACCESSIBLE ROUTES ARE SHOWN AS SHADED. CONTRACTOR TO ENSURE CROSS SLOPES DO NOT EXCEED 2.0% AND LONGITUDINAL SLOPE DOES NOT EXCEED 5.0%.
6. ALL CURB INLETS TO HAVE REBAR TRASH RACK INSTALLED.

RIO ROA
(STATE ROUT

MATCHLINE SEE SHEET CG-102 - GRADING PLAN

MATCHLINE SEE SHEET CG-103 - GRADING PLAN

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

Plotted By:Land, Donnie Sheet Set:PMT Sheetset Layout:CG-101 GRADING PLAN March 31, 2023 11:11:51am K:\RIC_CIV\113226001 — HD, Fashion Square Mall\CAD\PlanSheets\CG-101 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT	113226001
DATE	10/24/2022
SCALE	AS SHOWN
DESIGNED BY	AHW
DRAWN BY	AHW
CHECKED BY	DBE

GRADING PLAN

HOME DEPOT

VA
ALBEMARLE

SHEET NUMBER
CG-101

Plotted By:Lord, Donnie - Sheet Set:PMT Sheetset - Layout:CG-102 GRADING PLAN - March 31, 2023 - 11:11:53am - K:\NRC_GV\113226001 — HD, Fashion Square Mall\CAD\PlanSheets\CG- 101 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

D E
5; 631)

MATCHLINE SEE SHEET CG-101 - GRADING PLAN

GARDEN CENTER
25,475 S.F.

GC LOADING

LOADING

GEN

2.79%

3.34%

100 LF 18" RCP

TBM
RSD & CAP
N=4916253.04
E=11483846.71
ELEV=491.33

492.21 TC	
494.26 TC	
493.81 TC	
493.58 TC	
493.11 TC	
503.67 TW	
492.98 BW	
491.86 TC	
491.47 TC	
491.21 TC	
491.98 P	
490.91 TC	
491.64	
493.24 TW	
490.79 BW	
490.50 TC/ME	
491.64 P	
488.69 P	

C4 C5 C6 C7 C17 RC6

MATCHLINE SEE SHEET CG-104 - GRADING PLAN

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

GRADING LEGEND

TC:	TOP OF CURB ELEVATION
BC:	BOTTOM OF CURB ELEVATION
TW:	TOP OF WALL ELEVATION
BW:	BOTTOM OF WALL ELEVATION
TI:	TOP OF ISLAND ELEVATION
BI:	BOTTOM OF ISLAND ELEVATION
FF:	FINISHED FLOOR ELEVATION
FS:	FINISHED SURFACE ELEVATION
P:	PAVEMENT ELEVATION
G:	GROUND ELEVATION
RIM:	STRUCTURE RIM ELEVATION
ME:	MATCH EXISTING

XXX — DRAINAGE STRUCTURE CALLOUT

VDOT STANDARD CG-6

SPILLING CURB AND GUTTER

GRADING NOTES

1. THE ROOF/LANDSCAPE DRAINAGE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE CURRENT EDITION OF THE INTERNATIONAL PLUMBING CODE.
2. PIPE LENGTHS ARE MEASURED FROM CENTER OF CHAMBER TO CENTER OF CHAMBER.
3. VDOT STANDARD ST-1 STEPS ARE REQUIRED ON ALL STRUCTURES WITH HEIGHT GREATER THAN 4 FEET.
4. ADA ACCESSIBLE PARKING SPACES ARE SHOWN AS SHADED AND DESIGNED WITH A MAXIMUM 1.5% SLOPE IN ALL DIRECTIONS. CONTRACTOR TO ENSURE SLOPE DOES NOT EXCEED 2.0% IN ANY DIRECTION.
5. PROPOSED SIDEWALK/ADA ACCESSIBLE ROUTES ARE SHOWN AS SHADED. CONTRACTOR TO ENSURE CROSS SLOPES DO NOT EXCEED 2.0% AND LONGITUDINAL SLOPE DOES NOT EXCEED 5.0%.
6. ALL CURB INLETS TO HAVE REBAR TRASH RACK INSTALLED.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

GRADING PLAN

HOME DEPOT

VA
ALBEMARLE

SHEET NUMBER
CG-102

MATCHLINE SEE SHEET CG-101 - GRADING PLAN

MATCHLINE THIS SHEET

MATCHLINE SEE SHEET CG-104 - GRADING PLAN

GRADING LEGEND

TC:	TOP OF CURB ELEVATION
BC:	BOTTOM OF CURB ELEVATION
TW:	TOP OF WALL ELEVATION
BW:	BOTTOM OF WALL ELEVATION
TI:	TOP OF ISLAND ELEVATION
BI:	BOTTOM OF ISLAND ELEVATION
FF:	FINISHED FLOOR ELEVATION
FS:	FINISHED SURFACE ELEVATION
P:	PAVEMENT ELEVATION
G:	GROUND ELEVATION
RIM:	STRUCTURE RIM ELEVATION
ME:	MATCH EXISTING

XXX — DRAINAGE STRUCTURE CALLOUT

VDOT STANDARD CG-6

SPILLING CURB AND GUTTER

GRADING NOTES

1. THE ROOF/LANDSCAPE DRAINAGE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE CURRENT EDITION OF THE INTERNATIONAL PLUMBING CODE.
2. PIPE LENGTHS ARE MEASURED FROM CENTER OF CHAMBER TO CENTER OF CHAMBER.
3. VDOT STANDARD ST-1 STEPS ARE REQUIRED ON ALL STRUCTURES WITH HEIGHT GREATER THAN 4 FEET.
4. ADA ACCESSIBLE PARKING SPACES ARE SHOWN AS SHADED AND DESIGNED WITH A MAXIMUM 1.5% SLOPE IN ALL DIRECTIONS. CONTRACTOR TO ENSURE SLOPE DOES NOT EXCEED 2.0% IN ANY DIRECTION.
5. PROPOSED SIDEWALK/ADA ACCESSIBLE ROUTES ARE SHOWN AS SHADED. CONTRACTOR TO ENSURE CROSS SLOPES DO NOT EXCEED 2.0% AND LONGITUDINAL SLOPE DOES NOT EXCEED 5.0%.
6. ALL CURB INLETS TO HAVE REBAR TRASH RACK INSTALLED.

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

Plotted By: Lord, Bonnie Sheet Set: PMT Sheetset Layout: CG-103 GRADING PLAN March 31, 2023 11:12:00pm K:\RIC_CIV\113226001 - HD Fashion Square Mall\C4D\PlanSheets\CG-101 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

No.	REVISIONS	DATE	BY

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

GRADING PLAN

HOME DEPOT
ALBEMARLE VA

SHEET NUMBER
CG-103

MATCHLINE SEE SHEET CG-102 - GRADING PLAN

FFE=492.69

4C-2021 MODIFIED

E HOME DEPOT

BUILDING	107,504 S.F.
VESTIBULES	1,283 S.F.
GARDEN CENTER	25,475 S.F.
	134,262 S.F.

0 TOTAL PARKING SPACES PROVIDED

MATCHLINE SEE SHEET CG-103 - GRADING PLAN

CONCRETE

LUMBER PAD

GRADING LEGEND

TC:	TOP OF CURB ELEVATION
BC:	BOTTOM OF CURB ELEVATION
TW:	TOP OF WALL ELEVATION
BW:	BOTTOM OF WALL ELEVATION
TI:	TOP OF ISLAND ELEVATION
BI:	BOTTOM OF ISLAND ELEVATION
FF:	FINISHED FLOOR ELEVATION
FS:	FINISHED SURFACE ELEVATION
P:	PAVEMENT ELEVATION
G:	GROUND ELEVATION
RIM:	STRUCTURE RIM ELEVATION
ME:	MATCH EXISTING

XXX — DRAINAGE STRUCTURE CALLOUT

VDOT STANDARD CG-6

SPILLING CURB AND GUTTER

GRADING NOTES

1. THE ROOF/LANDSCAPE DRAINAGE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE CURRENT EDITION OF THE INTERNATIONAL PLUMBING CODE.
2. PIPE LENGTHS ARE MEASURED FROM CENTER OF CHAMBER TO CENTER OF CHAMBER.
3. VDOT STANDARD ST-1 STEPS ARE REQUIRED ON ALL STRUCTURES WITH HEIGHT GREATER THAN 4 FEET.
4. ADA ACCESSIBLE PARKING SPACES ARE SHOWN AS SHADED AND DESIGNED WITH A MAXIMUM 1.5% SLOPE IN ALL DIRECTIONS. CONTRACTOR TO ENSURE SLOPE DOES NOT EXCEED 2.0% IN ANY DIRECTION.
5. PROPOSED SIDEWALK/ADA ACCESSIBLE ROUTES ARE SHOWN AS SHADED. CONTRACTOR TO ENSURE CROSS SLOPES DO NOT EXCEED 2.0% AND LONGITUDINAL SLOPE DOES NOT EXCEED 5.0%.
6. ALL CURB INLETS TO HAVE REBAR TRASH RACK INSTALLED.

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

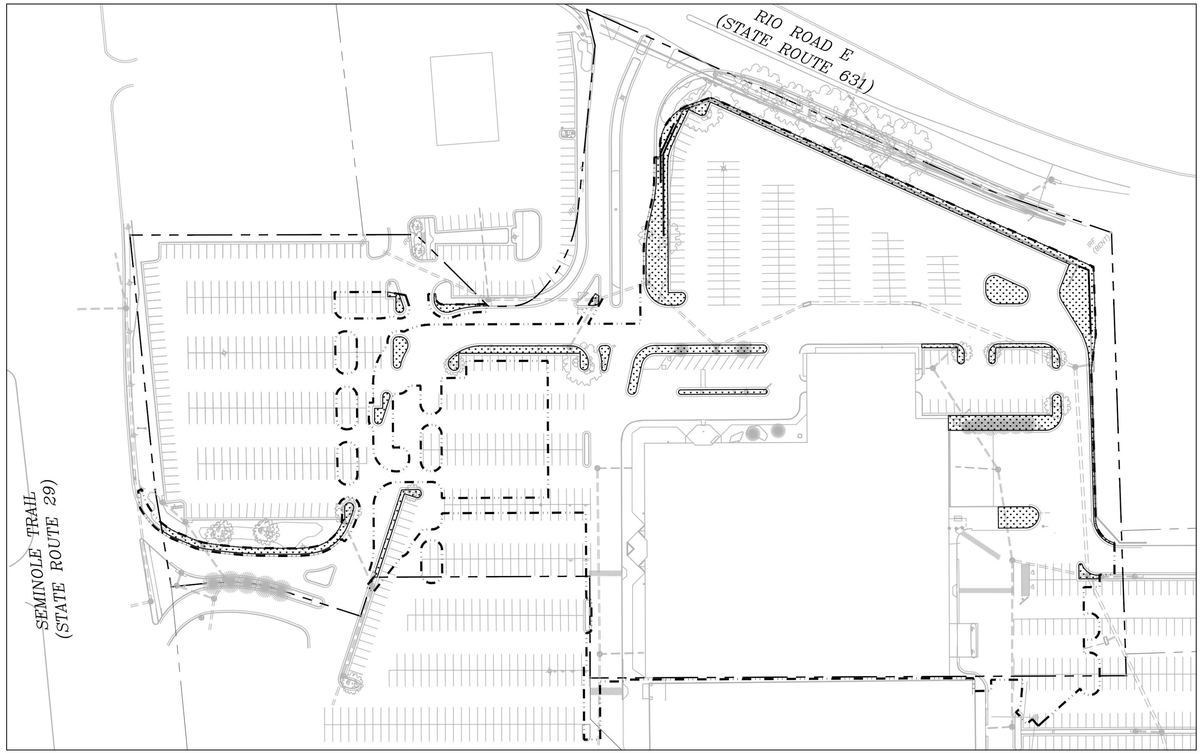
KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

GRADING PLAN

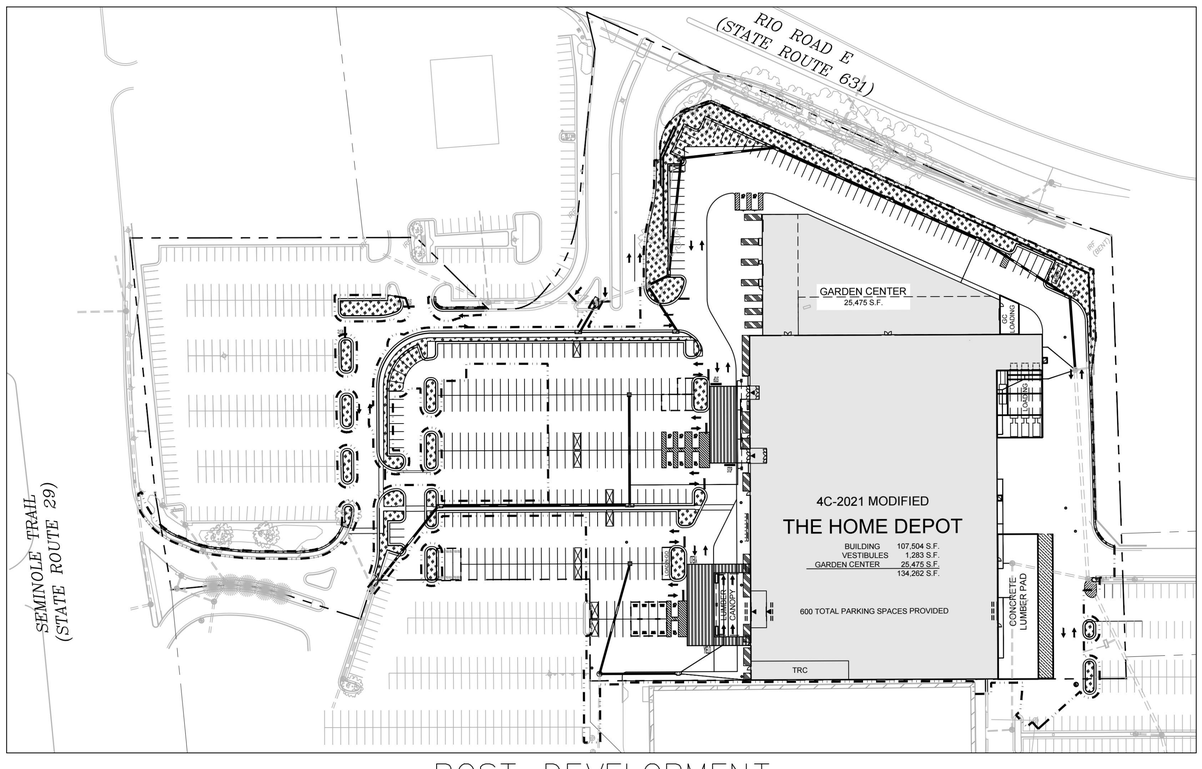
HOME DEPOT
ALBEMARLE VA

SHEET NUMBER
CG-104

Plotted By: Lord, Donnie Sheet Set: PMT Sheetset Layout: CG-104 GRADING PLAN March 31, 2023 11:12:03am K:\RIC_CVA\113226001 — HD Fashion Square Mall\C4D\PlanSheets\CG-101 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PRE–DEVELOPMENT



POST–DEVELOPMENT

STORMWATER QUANTITY LEGEND

IMPERVIOUS COVER

MANAGED TURF

DRAINAGE BOUNDARY

STORMWATER QUANTITY NARRATIVE

THE APPLICABLE AREA OF ANALYSIS INCLUDES LIMITS OF DISTURBANCE AS SHOWN ON THIS PLAN. SEE THIS SHEET FOR CALCULATIONS.

THIS SITE FALLS WITHIN THE VIRGINIA PART II–B STORMWATER REGULATIONS FOR WATER QUANTITY.

THE CONTRIBUTING DRAINAGE AREA WITHIN THE APPLICABLE AREA OF ANALYSIS TO THE OUTFALL IS 8.14 AC IN THE PRE–DEVELOPMENT AND POST–DEVELOPMENT CONDITIONS.

CHANNEL PROTECTION:
THE PROPOSED AND EXISTING MANMADE CONVEYANCE SYSTEM CONVEYS THE 2–YR POST DEVELOPMENT FLOW WITHOUT EROSION.

FLOOD PROTECTION:
FLOOD PROTECTION COMPLIANCE IS MET WITH AN INCREASE IN PERVIOUS AREA IN THE POST DEVELOPMENT CONDITION. WITH THE ADDITION OF UNDERGROUND DETENTION, THE 10–YR POST–DEVELOPMENT FLOW (63.97 CFS) IS REDUCED BELOW THE PRE–DEVELOPMENT FLOW (64.51 CFS).

SEE THIS SHEET FOR CALCULATIONS.

QUANTITY SUMMARY

DRAINAGE AREA LABEL	INLET	TOTAL AREA (AC.)	IMPERVIOUS AREA (AC.)	MANAGED TURF AREA (AC.)	FOREST/ OPEN SPACE AREA (AC.)	C	CN	TIME OF CONC. Tc (min)	TREATMENT VOLUME Tv (cu ft)
Pre-Development		8.137	7.606	0.531	0.000	0.90	95.6	5.0	26,613
Post-Development		8.137	7.481	0.656	0.000	0.89	95.0	5.0	26,275

Pre-Development

			Storm Event	Runoff Volume V	Peak Flow q (cfs)
Runoff Curve Number (CN)	96				
Drainage Area	8.14	acres			
Impervious Area	*7.61*	*acres*	1 -year	71,664	34.13
Managed Turf	*0.53*	*acres*	10 -year		64.51
Forest/Open Space	*0.00*	*acres*			
Time of Concentration (Tc)	5.0	min			

Post-Development (Prior to Routing)

				Storm Event	Runoff Volume V	Peak Flow q (cfs)
Runoff Curve Number (CN)	1 yr	95				
Runoff Curve Number (CN)	10 yr	95				
Drainage Area		8.14	acres			
Impervious Area		*7.48*	*acres*	1 -year	68,940	33.38
Managed Turf		*0.66*	*acres*	10 -year		63.97
Forest/Open Space		*0.00*	*acres*			
Time of Concentration (Tc)		5.0	min			

Flood Protection Compliance

10-year storm

Q_post	<	Q_pre
63.97	<	64.51
PASS		

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY–HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804–673–3882
WWW.KIMLEY–HORN.COM

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

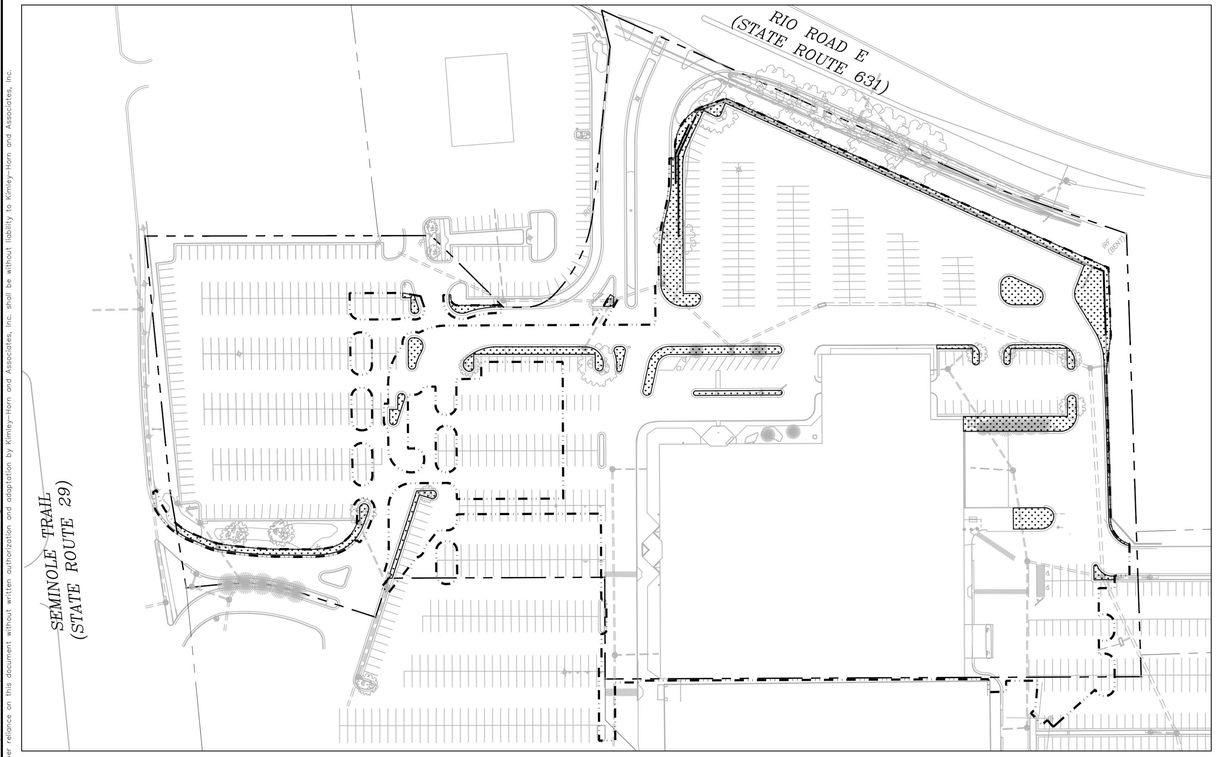
STORMWATER QUANTITY

HOME DEPOT

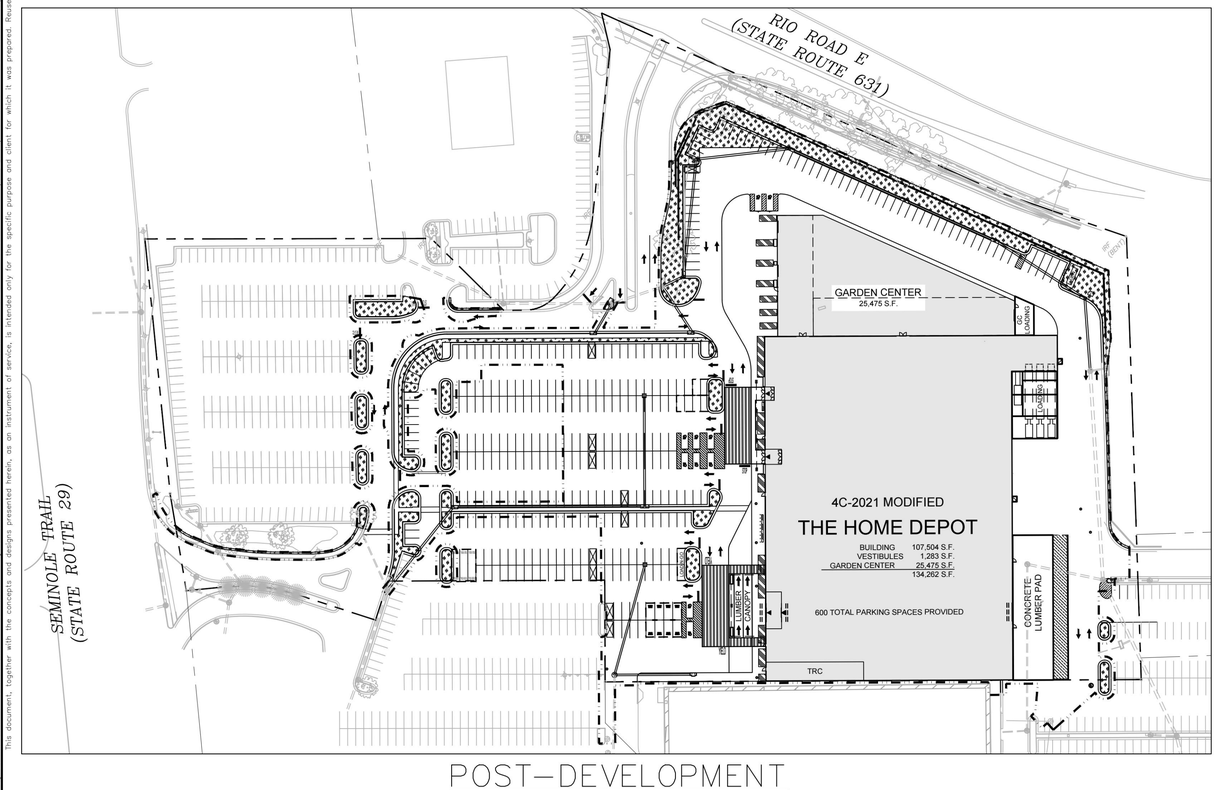
ALBEMARLE VA

SHEET NUMBER
CG-201

Plotted By: Lord, Donnie Sheet Set: PMT Sheetset Layout: CG-201 STORMWATER QUANTITY March 31, 2023 11:12:22am K:\RIC_CIV\113226001 - HD Fashion Square Mall\CAD\PlanSheets\CG-201 STORMWATER QUANTITY.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PRE–DEVELOPMENT



POST–DEVELOPMENT

STORMWATER QUALITY LEGEND

IMPERVIOUS COVER

MANAGED TURF

DRAINAGE BOUNDARY

STORMWATER QUALITY NARRATIVE

THE APPLICABLE AREA OF ANALYSIS INCLUDES LIMITS OF DISTURBANCE AS SHOWN ON THIS PLAN. SEE THIS SHEET FOR CALCULATIONS.

THIS SITE FALLS WITHIN THE VIRGINIA PART II–B STORMWATER REGULATIONS FOR WATER QUANTITY.

THE CONTRIBUTING DRAINAGE AREA WITHIN THE APPLICABLE AREA OF ANALYSIS TO THE OUTFALL IS 8.14 AC IN THE PRE–DEVELOPMENT AND POST–DEVELOPMENT CONDITIONS.

WATER QUALITY COMPLIANCE WILL BE MET THROUGH THE PURCHASE OF 3.12 LBS NUTRIENT OFFSET CREDITS. THE PURCHASE AGREEMENT WILL BE PROVIDED PRIOR TO PLAN APPROVAL.

SEE THIS SHEET FOR CALCULATIONS.

Project Name: Home Depot Albermarle County
Date: 1/9/2023
Linear Development Project? No

CLEAR ALL (Ctrl+Shift+R)

data input cells
constant values
calculation cells
final results

Site Information

Post-Development Project (Treatment Volume and Loads)

Enter Total Disturbed Area *(acres)* → 8.14

Maximum reduction required:	*20%*
The site's net increase in impervious cover (acres) is:	*0*
Post-Development TP Load Reduction for Site (lb/yr):	*3.12*

Check:
BMP Design Specifications List: 2011 Stds & Specs
Linear project? No
Land cover areas entered correctly? ✓
Total disturbed area entered? ✓

Pre-ReDevelopment Land Cover (acres)

	A Soils	B Soils	C Soils	D Soils	Totals
Forest/Open Space (acres) — undisturbed forest/open space		0.00			0.00
Managed Turf (acres) — disturbed, graded for yards or other turf to be		0.53			0.53
Impervious Cover (acres)		7.61			7.61
					8.14

Post-Development 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			0.00
Managed Turf (acres) — disturbed, graded for yards or other turf to be		0.66			0.66
Impervious Cover (acres)		7.48			7.48
Area Check	OK.	OK.	OK.	OK.	8.14

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	0.03	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

LAND COVER SUMMARY – PRE-REDEVELOPMENT

Land Cover Summary-Pre		
Pre-ReDevelopment	**Listed**	**Adjusted***
Forest/Open Space Cover (acres)	0.00	0.00
Weighted Rv(forest)	0.00	0.00
% Forest	0%	0%
Managed Turf Cover (acres)	0.53	0.53
Weighted Rv(turf)	0.20	0.20
% Managed Turf	7%	7%
Impervious Cover (acres)	7.61	7.61
Rv(impervious)	0.95	0.95
% Impervious	93%	93%
Total Site Area (acres)	**8.14**	**8.14**
Site Rv	**0.90**	**0.90**

Treatment Volume and Nutrient Load

Pre-ReDevelopment Treatment Volume (acre-ft)	0.6113	0.6113
Pre-ReDevelopment Treatment Volume (cubic feet)	26,628	26,628
Pre-ReDevelopment TP Load (lb/yr)	**16.73**	**16.73**
Pre-ReDevelopment TP Load per acre (lb/acre/yr)	2.06	2.06
Baseline TP Load (lb/yr) (0.41 lbs/acre/yr applied to pre-redevelopment area excluding pervious land proposed for new impervious cover)		*3.34*

LAND COVER SUMMARY – POST DEVELOPMENT

Land Cover Summary-Post (Final)	
Post ReDev. & New Impervious	
Forest/Open Space Cover (acres)	0.00
Weighted Rv(forest)	0.00
% Forest	0%
Managed Turf Cover (acres)	0.66
Weighted Rv (turf)	0.20
% Managed Turf	8%
Impervious Cover (acres)	7.48
Rv(impervious)	0.95
% Impervious	92%
Final Site Area (acres)	**8.14**
Final Post Dev Site Rv	**0.89**

Land Cover Summary-Post	
Post ReDevelopment	
Forest/Open Space Cover (acres)	0.00
Weighted Rv(forest)	0.00
% Forest	0%
Managed Turf Cover (acres)	0.66
Weighted Rv (turf)	0.20
% Managed Turf	8%
ReDev. Impervious Cover (acres)	7.48
Rv(impervious)	0.95
% Impervious	92%
Total ReDev. Site Area (acres)	**8.14**
ReDev Site Rv	**0.89**

Land Cover Summary-Post	
Post Development New Impervious	
New Impervious Cover (acres)	0.00
Rv(impervious)	--

Treatment Volume and Nutrient Load

Final Post Development Treatment Volume (acre-ft)	0.6032	
Final Post Development Treatment Volume (cubic feet)	26,274	
Final Post-Development TP Load (lb/yr)	**16.51**	
Final Post-Development TP Load per acre (lb/acre/yr)	2.03	

Post ReDevelopment Treatment Volume (acre-ft)	0.6032	
Post ReDevelopment Treatment Volume (cubic feet)	26,274	
Post ReDevelopment Load (TP) (lb/yr)*	**16.51**	
Post-ReDevelopment TP load per acre (lb/acre/yr)	2.03	
Max. % Reduction Required (Below Pre-ReDevelopment Load)	**20%**	
TP Load Reduction Required for ReDeveloped Area (lb/yr)	**3.12**	

Post-Development Treatment Volume (acre-ft)	--	
Post-Development Treatment Volume (cubic feet)	--	
Post-Development TP Load (lb/yr)	--	
TP Load Reduction Required for New Impervious Area (lb/yr)	**0**	

*Adjusted Land Cover Summary:
Pre ReDevelopment land cover minus pervious land cover (forest/open space or managed turf) acreage proposed for new impervious cover.

Adjusted total acreage is consistent with Post-ReDevelopment acreage (minus acreage of new impervious cover).

Column I shows load reduction requirement for new impervious cover (based on new development land limit, 0.41 lbs/acre/year).

Post-Development Requirement for Site Area

TP Load Reduction Required (lb/yr)	**3.12**

Nitrogen Loads (Informational Purposes Only)

Pre-ReDevelopment TN Load (lb/yr)	119.69	Final Post-Development TN Load (Post-ReDevelopment & New Impervious) (lb/yr)	118.09

Site Results (Water Quality Compliance)

Area Checks	**D.A. A**	**D.A. B**	**D.A. C**	**D.A. D**	**D.A. E**	**AREA CHECK**
FOREST/OPEN SPACE (ac)	0.00	0.00	0.00	0.00	0.00	OK.
IMPERVIOUS COVER (ac)	0.00	0.00	0.00	0.00	0.00	OK.
IMPERVIOUS COVER TREATED (ac)	0.00	0.00	0.00	0.00	0.00	OK.
MANAGED TURF AREA (ac)	0.00	0.00	0.00	0.00	0.00	OK.
MANAGED TURF AREA TREATED (ac)	0.00	0.00	0.00	0.00	0.00	OK.
AREA CHECK	OK.	OK.	OK.	OK.	OK.	

Site Treatment Volume (ft^3) 26,274

Runoff Reduction Volume and TP By Drainage Area

	D.A. A	**D.A. B**	**D.A. C**	**D.A. D**	**D.A. E**	**TOTAL**
RUNOFF REDUCTION VOLUME ACHIEVED (ft^3)	0	0	0	0	0	0
TP LOAD AVAILABLE FOR REMOVAL (lb/yr)	0.00	0.00	0.00	0.00	0.00	0.00
TP LOAD REDUCTION ACHIEVED (lb/yr)	0.00	0.00	0.00	0.00	0.00	0.00
TP LOAD REMAINING (lb/yr)	0.00	0.00	0.00	0.00	0.00	0.00
NITROGEN LOAD REDUCTION ACHIEVED (lb/yr)	0.00	0.00	0.00	0.00	0.00	0.00

Total Phosphorus

FINAL POST-DEVELOPMENT TP LOAD (lb/yr)	16.51
TP LOAD REDUCTION REQUIRED (lb/yr)	3.12
TP LOAD REDUCTION ACHIEVED (lb/yr)	0.00
TP LOAD REMAINING (lb/yr)	16.51
REMAINING TP LOAD REDUCTION REQUIRED (lb/yr):	**3.12**

Total Nitrogen (For Information Purposes)

POST-DEVELOPMENT LOAD (lb/yr)	118.09
NITROGEN LOAD REDUCTION ACHIEVED (lb/yr)	0.00
REMAINING POST-DEVELOPMENT NITROGEN LOAD (lb/yr)	118.09

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY–HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804–673–3882
WWW.KIMLEY–HORN.COM

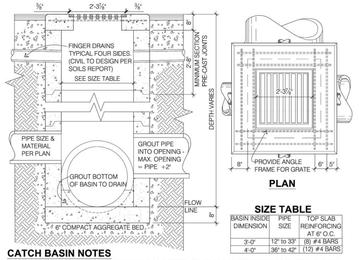
KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

STORMWATER QUALITY

HOME DEPOT
ALBEMARLE VA

SHEET NUMBER
CG-202

Plotted By: Lord, Dannie Sheet Set: PMT Sheetset: Layout: CG-201 STORMWATER QUANTITY March 31, 2023 11:12:35am K:\RIC_CHA\113226001 – HD Fashion Square Mall\CAD\PlanSheets\CG-201 STORMWATER QUANTITY.dwg
The document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PLAN

SIZE TABLE

BASIN INSIDE DIMENSION	PIPE SIZE	TOP SLAB REINFORCING AT 6" O.C.
3'-0"	12" to 33"	(6) #4 BARS
4'-0"	36" to 42"	(7) #4 BARS

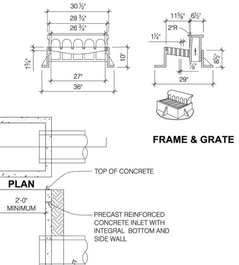
CATCH BASIN NOTES

A. GRATE SHALL BE NEENAH R-4859-C OR EAST JORDAN 5110 TYPE#3, OR EQUAL WHEN APPROVED BY ENGINEER.
B. TEXT SHALL BE CAST IN TOP OF GRATE: 'DUMP NO WASTE' AND 'DRAINS TO WATERWAY' IN ½" MINIMUM HEIGHT.
C. STEPS SHALL BE PROVIDED WHERE DEPTHS EXCEED 6 FEET, AND SHALL MEET OSHA STANDARDS.
D. BRICK OR CAST-IN-PLACE WALLS SHALL HAVE A NOMINAL THICKNESS OF 8". PRECAST WALLS SHALL HAVE A MINIMUM THICKNESS OF 6" [150] AND BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING WITHOUT DAMAGE. BASINS OVER 12 FEET IN DEPTH SHALL HAVE WALLS REINFORCED WITH #4 BARS VERTICAL & HORIZONTAL 12" O.C. WITH 2" CLEAR FROM INSIDE FACE OF WALL. ANY CAST IN PLACE CONCRETE TO BE CLASS "C"
E. MINIMUM DEPTH SHALL BE OUTSIDE DIAMETER OF OUTLET PIPE + SEVEN INCHES.

DESIGNER NOTE: CIVIL ENGINEER SHALL REFER TO STATE DOT AND LOCAL CITY DETAILS FOR PROPER STORM STRUCTURE ABOVE IS A DESIGN MINIMUM - ALL STORM SEWER DETAILS INTENDED SHALL BE SHOWN ON THE DRAWINGS

26-H1 STORM STRUCTURE DETAIL
SCALE: NTS

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND MJ PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.



FRAME & GRATE

PLAN

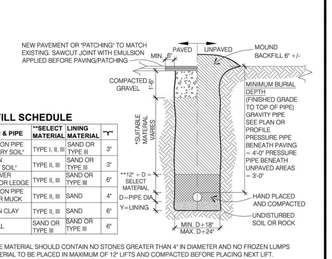
SECTION A-A

INLET NOTES

A. MATERIAL WALL THICKNESS (T) SHALL BE EITHER:
   1. PRECAST CONCRETE = 3" MIN.
   2. CAST-IN-PLACE CONCRETE = 6" MIN.
B. CONTRACT UNIT PRICE FOR "INLET, TYPE A" SHALL INCLUDE THE FRAME AND LID OR GRATE SPECIFIED AND THE SAND CUSHION.
C. CONCRETE SLAB SHALL BE EITHER PRECAST REINFORCED CONCRETE OR 3500 PSI CONCRETE.
D. STRUCTURE SHALL BE EITHER SQUARE OR ROUND.
E. FRAME AND GRATE SHALL BE NEENAH R-3281-A, EAST JORDAN IRON WORKS 7210, OR APPROVED EQUAL.
F. CAST IRON FRAME AND GRATE SHALL BE MADE OF GRAY IRON.

26-H2 STORM STRUCTURE DETAIL
SCALE: NTS

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND MJ PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.



BACKFILL SCHEDULE

CONDITION & PIPE	*SELECT MATERIAL	LINING MATERIAL	"Y"
DUCTILE IRON PIPE IN 'ORDINARY SOIL'	TYPE I, II, III	SAND OR TYPE III	3"
RCP PIPE IN 'ORDINARY SOIL'	TYPE II, III	SAND OR TYPE III	3"
ALL PIPE OVER BEDROCK OR LEDGE	TYPE II, III	SAND OR TYPE III	6"
DUCTILE IRON PIPE IN CLAY OR MUCK	TYPE II, III	SAND	4"
RCP PIPE IN CLAY	TYPE II, III	SAND	6"
PLASTIC-ALL	SAND OR TYPE III	SAND OR TYPE III	6"

* SUITABLE MATERIAL SHOULD CONTAIN NO STONES GREATER THAN 4" IN DIAMETER AND NO FROZEN LUMPS
ALL MATERIAL TO BE PLACED IN MAXIMUM OF 12" LIFTS AND COMPACTED BEFORE PLACING NEXT LIFT.
** TYPE I MATERIAL SHALL BE GRAVEL CONTAINING NO STONES GREATER THAN 1 1/2" IN DIAMETER, NO FROZEN LUMPS, NO CLAY, AND NO ORGANIC MATERIAL.
** TYPE II MATERIAL SHALL BE CLEAN, HARD, CRUSHED OR NATURAL STONE WITH A GRADATION BY WEIGHT OF 100% PASSING A 1 1/2" SQUARE OPENING, NOT MORE THAN 25% PASSING A 3/4" SQUARE OPENING AND NOT MORE THAN 5% PASSING A 1/2" SQUARE OPENING.
** TYPE III MATERIAL SHALL BE CLEAN, HARD, CRUSHED STONE FREE FROM COATINGS AND THOROUGHLY WASHED WITH A GRADATION BY WEIGHT OF 100% PASSING A 1" SQUARE OPENING AND 0% TO 5% PASSING A 1/4" SQUARE OPENING

TRENCH INSTALLATION NOTES

A. WHERE BACKFILL IS DESIGNATED 'COMPACTED', THIS MEANS 90% TO 95% STANDARD PROCTOR, AASHTO T-99. ALL FILL PLACED BELOW PIPES AND STRUCTURES MUST MEET THIS REQUIREMENT.
B. FOR ALL TRENCHES WITH A GRADE GREATER THAN 4% AND/OR WHERE GROUNDWATER IS APPARENT, INSTALL CLAY DAMS AROUND PIPE AT 100' INTERVALS.

26-K TRENCH DETAIL
SCALE: NTS

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND MJ PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

STORMWATER DETAILS

HOME DEPOT
ALBEMARLE VA

SHEET NUMBER
CG-502

Plotted By: Land, Donnie Sheet Set: PMT Sheetset Layout: CG-502 STORMWATER DETAILS March 31, 2023 11:17:44am K:\RIC_CV\113226001 — HD Fashion Square Mall\CAD\ PlanSheets\CG-502 STORMWATER DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

UTILITY LEGEND

W W	PROPOSED 12" WATERLINE
SS SS	PROPOSED SANITARY SEWER LINE
S	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER CLEANOUT
	PROPOSED WATER GATE VALVE (GV)
	PROPOSED FIRE HYDRANT
	PROPOSED DOMESTIC WATER METER
	PROPOSED FIRE DEPARTMENT CONNECTION
	PROPOSED BOUNDARY VALVE

UTILITY NOTES

1. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND NOTIFY KIMLEY-HORN IN ORDER TO VERIFY ADEQUATE SEPARATION BETWEEN UTILITIES CAN BE ACHIEVED AND NO CONFLICTS EXIST.
2. ALL PROPOSED UTILITIES ARE TO BE INSTALLED UNDERGROUND INCLUDING ELECTRIC, TELEPHONE, AND CATV.
3. ABOVE GROUND IRRIGATION EQUIPMENT SHALL BE COVERED BY AN ALL-WEATHER BOX OR DECORATIVE COVER.
4. REFER TO SHEET CV-101 FOR ALL EXISTING EASEMENTS.
5. ALL PROPOSED SANITARY CLEANOUTS SHALL BE TRAFFIC-RATED.

RIO ROAD E
(STATE ROUTE 631)

SEMINOLE TRAIL
(STATE ROUTE 29)

4C-2021 MODIFIED

THE HOME DEPOT

BUILDING	107,504 S.F.
VESTIBULES	1,283 S.F.
GARDEN CENTER	25,475 S.F.
	134,262 S.F.

TOTAL PARKING SPACES PROVIDED

GARDEN CENTER
25,475 S.F.

CONCRETE LUMBER PAD

LUMBER CANOPY

GC LOADING

LOADING

NORTHING: 3916787.93
EASTING: 11490706.17

NORTHING: 3916722.32
EASTING: 11490397.04

NORTHING: 3916931.66
EASTING: 11490155.01

NORTHING: 3916214.60
EASTING: 11490985.62

NORTHING: 3916604.27
EASTING: 11489932.18

NORTHING: 3916464.45
EASTING: 11490109.68

NORTHING: 3916306.60
EASTING: 11490293.18

NORTHING: 3916440.79
EASTING: 11490070.37

NORTHING: 3916220.38
EASTING: 11490219.01

NORTHING: 3916623.11
EASTING: 11490673.11

TBM
ROD & CAP
N=3916251.04
E=11490949.71
ELEV=493.33

IRF
(BENT)

GRAPHIC SCALE IN FEET
0 25 50 100

NORTH

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

No.	REVISIONS	DATE	BY

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

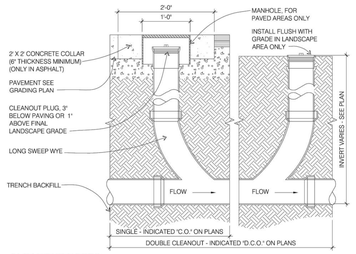
UTILITY PLAN

HOME DEPOT

ALBEMARLE VA

SHEET NUMBER
CU-101

Plotted By:Land, Donnie Sheet Set:PMT Sheetset Layout:CU-101 UTILITY PLAN March 31, 2023 11:12:54am K:\RIC_CIVIL\113226001 - HD Fashion Square Mall\C4D\PlanSheets\CU-101 UTILITY PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

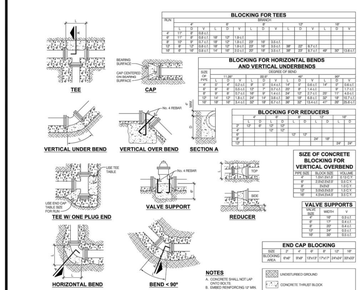


CLEANOUT NOTES

A. CLEANOUT LOCATIONS INDICATED ON GRADING AND UTILITY PLANS AS "CO" FOR SINGLE CLEANOUT AND "DCO" FOR DOUBLE CLEANOUT.
B. PROVIDE CLEANOUTS AS SPECIFIED.
   1. ZURN Z-1400 CLEAN OUTS IN NON-TRAFFIC AREAS AND SIDEWALKS.
   2. ZURN-1449 CLEAN OUTS IN LANDSCAPED AREAS.
   3. ZURN Z-1400-HD CLEAN OUTS IN TRAFFIC AREAS WITH A "SERVICE STATION" TYPE MANHOLE, OPW #104 A12 - DOVER CORP./OPW DIV.

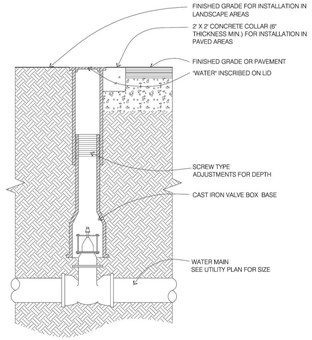
26-G1 CLEAN OUT
SCALE: N.T.S

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.



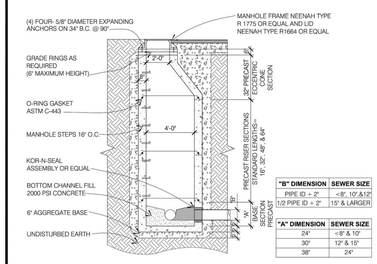
26-G2 THRUST BLOCK DETAIL
SCALE: N.T.S

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.



26-G3 VALVE BOX DETAIL
SCALE: N.T.S

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

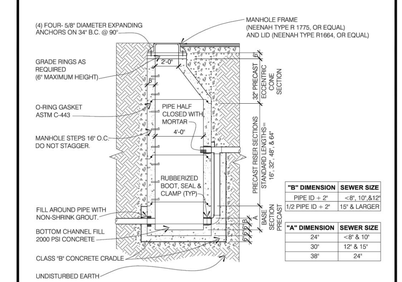


SANITARY MANHOLE NOTES

A. FLEXIBLE BUTYL RUBBER SEALANT EQUAL TO CONSEAL TYPE CS-302 SHALL BE USED TO SEAL CASTING TO MANHOLE SEAL ADJUSTING RINGS TO RISERS AND TO SEAL RISER JOINTS.

26-I1 SANITARY MANHOLE
SCALE: N.T.S

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

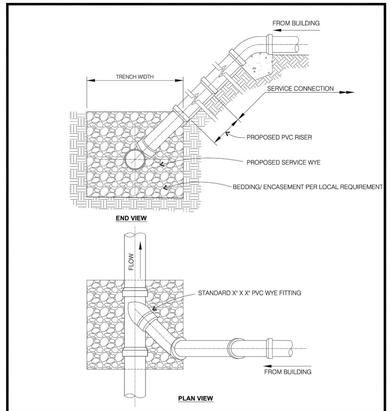


SANITARY MANHOLE NOTES

A. FLEXIBLE BUTYL RUBBER SEALANT EQUAL TO CONSEAL TYPE CS-302 SHALL BE USED TO SEAL CASTING TO MANHOLE, SEAL ADJUSTING RINGS TO RISERS AND TO SEAL RISER JOINTS.
B. SEE UTILITY PLAN FOR ALL INLET AND OUTLET PIPE ELEVATIONS AND SIZES.

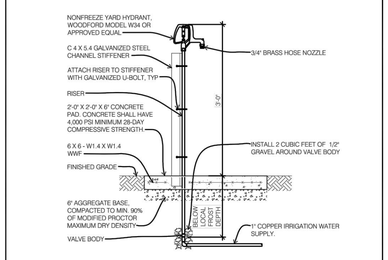
26-I2 SANITARY DROP MANHOLE (EXTERNAL)
SCALE: N.T.S

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.



26-J SANITARY SEWER RISER
SCALE: N.T.S

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.



26-M YARD HYDRANT DETAIL
SCALE: N.T.S

THIS DETAIL IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CIVIL ENGINEER TO VERIFY ALL LOCAL, STATE AND FEDERAL CODES PRIOR TO USE. THE HOME DEPOT AND WD PARTNERS ARE NOT LIABLE FOR ANY ERRORS OR OMISSIONS RELATED WITH THE USE OF THIS DETAIL.

Plotted By: Land, Dannie Sheet Set: PMT Sheetset Layout: CU-501 UTILITY PROFILES & DETAILS March 31, 2023 11:13:02am K:\NVC_CVA\113226001 - HD Fashion Square Mall\CAD\Plan Sheets\CU-501 UTILITY PROFILES & DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113226001
DATE 10/24/2022
SCALE AS SHOWN
DESIGNED BY AHW
DRAWN BY AHW
CHECKED BY DBE

UTILITY DETAILS

HOME DEPOT
ALBEMARLE VA

SHEET NUMBER
CU-501