FINAL ARB PLAN FOR

HOLLYMEAD - TOWN CENTER

ALBEMARLE, VIRGINIA

RIO MAGISTERIAL DISTRICT

PROJECT CONTACT LIST

APPLICANT/DEVELOPER

NEW MARKET PROPERTIES, LLC
3284 NORTHSIDE PARKWAY, SUITE 515
ATLANTA, GA 30327
CONTACT: JASON HORNE
EMAIL: JASON@NEWMARKETPROP.COM
TEL: (678) 705-4504

OWNER

NEW MARKET - HOLLYMEAD LLC
3284 NORTHSIDE PARKWAY STE 515
ATLANTA GA, 30327

CIVIL ENGINEER

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
1700 WILLOW LAWN DRIVE, SUITE 200
RICHMOND, VA 23230
TEL: (804) 673-3882
CONTACT: RYAN PERKINS, P.E.
EMAIL: RYAN.PERKINS@KIMLEY-HORN.COM

ARCHITECT

IONIC DEZIGN STUDIOS
3307 CHURCH ROAD, SUITE 200
RICHMOND, VA 23233
TEL: (804) 780-0070
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EMAIL: ET@IONICDEZIGNS.COM

SURVEYOR

JENNINGS STEPHENSON P.C.
LAND SURVEYORS & PLANNERS

JENNING STEPHENSON, P.C.
10160 STAPLES MILL ROAD SUITE 103
GLEN ALLEN, VA 23060
TEL: (804) 545-6235
CONTACT: KENNETH R. BLAYLOCK JR.

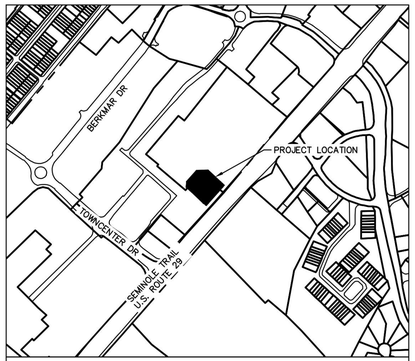
COMMUNITY DEVELOPMENT DEPARTMENT

401 MCINTIRE ROAD
NORTH WING
CHARLOTTESVILLE, VA 22902
TEL: (434) 296-5832
CONTACT: ANDY REITELBACH

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" = 500'

SHEET INDEX

FINAL ARB

SHEET NUMBER	SHEET TITLE
CA-100	COVER SHEET
CA-101	GENERAL NOTES
CV-101	EXISTING CONDITIONS
CV-102	DEMOLITION PLAN
CS-101	SITE PLAN
CS-501	SITE DETAILS
CS-502	SITE DETAILS
CG-101	GRADING PLAN AND EROSION & SEDIMENT CONTROL PLAN
CU-101	UTILITY PLAN
CU-501	UTILITY DETAILS
CL-101	LIGHTING PLAN
CL-501	LIGHTING DETAILS
CP-101	LANDSCAPE PLAN
CP-501	LANDSCAPE NOTES AND DETAILS

TOTAL NUMBER OF SHEETS: 14

PROJECT DATA

SITE STATISTICS

PARCEL ID: 03200-00-00-04300
SITE ADDRESS: 109 COMMUNITY STREET
ZONED: PLANNED DEVELOPMENT MIXED COMMERCIAL
MAGISTERIAL DISTRICT: RIO
APPLICABLE OVERLAY DISTRICTS: ENTRANCE CORRIDOR
AIRPORT IMPACT AREA
STEEP SLOPES - MANAGED
PROFFERS: ZMA-1993-00006, ZMA-1995-00017, ZMA-2001-00019, ZMA-2006-00007
EXISTING USE: RESTAURANT (VACANT)
PROPOSED USE: RESTAURANT WITH DRIVE-THRU
BUILDING SIZE: 2,325 SF
BUILDING HEIGHT: 20' 8"
TOTAL SITE AREA: 12.93 AC.
TOTAL DISTURBED AREA: 0.30 AC.
TOTAL IMPERVIOUS COVER: 0.24 AC. (83%)
OPEN SPACE: 0.05 AC. (17%)
STEEP SLOPES: N/A
FLOOD ZONE: THIS PROPERTY APPEARS TO LIE IN FLOOD ZONE "X" AS SHOWN ON THE FLOOD INSURANCE RATE MAP, MAP COMMUNITY - PANEL NUMBER 51003C0140D EFFECTIVE DATE: FEBRUARY 4, 2005
WATER: ACSA
SEWER: ACSA
WATER SUPPLY WATERSHED: N/A
SOURCE OF TOPOGRAPHY: TOPOGRAPHIC SURVEY WAS PERFORMED BY JENNING STEPHENSON, P.C. ON SEPTEMBER 10, 2021
DATUM: HORIZONTAL CONTROL BASED UPON VIRGINIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 1983 THE VERTICAL DATUM SHOWN HEREON IS BASED ON NAVD 1988
LATITUDE: 38°07'39"N
LONGITUDE: 78°26'30"W
RECEIVING WATER(S): SOUTH FORK RIVANNA RIVER
VAHU6 CODE: JR08

BUILDING SETBACKS

FRONT MINIMUM: 10' (SEMINOLE TRAIL)
FRONT MAXIMUM: NONE
SIDE: SEPARATION IN ACCORDANCE WITH THE BUILDING CODE

PARKING SCHEDULE

PARKING REQUIRED (13/1000 BUILDING SF): 30 SPACES
PARKING PROVIDED: 21 SPACES*
HANDICAP SPACES PROVIDED: 2 SPACES
* SHARED PARKING AGREEMENT IN PLACE WITH TARGET

TRAFFIC DATA

AM PEAK HOUR TRIP (ENTER/EXIT): 3/2
PM PEAK HOUR TRIP (ENTER/EXIT): 18/15
VEHICLE TRIPS PER WEEKDAY: 734

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.

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No.	REVISIONS	DATE	BY

Kimley»Horn

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PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

COMMONWEALTH OF VIRGINIA
RYAN R. PERKINS
Lic. No. 046565
PROFESSIONAL ENGINEER
03/01/2022

KHA PROJECT 113342000
DATE 03/01/2022
SCALE AS SHOWN
DESIGNED BY SMP
DRAWN BY STM
CHECKED BY RRP

COVER SHEET

CHIPOTLE
PREPARED FOR
NEW MARKET PROPERTIES
ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER
CA-100

Plotted By: McCrop, Stephen Sheet Set: Kha Layout: CA-100 COVER SHEET March 01, 2022 10:21:01am K:\RIC_civil\113342000 - Hollymead Chipotle - Albemarle\CAD\PlanSheets\CA-100 COVER SHEET.dwg
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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.

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
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COMMONWEALTH OF VIRGINIA
RYAN R. PERKINS
Lic. No. 046565
09/01/2022
PROFESSIONAL ENGINEER

KHA PROJECT	113342000
DATE	03/01/2022
SCALE	AS SHOWN
DESIGNED BY	SMP
DRAWN BY	STM
CHECKED BY	RRP

GENERAL NOTES

CHIPOTLE
PREPARED FOR
NEW MARKET PROPERTIES
ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER
CA-101

Plotted By:McCray, Stephen Sheet Set:Kha Layout:CA-101 GENERAL NOTES March 01, 2022 09:41:51am K:\RIC_CIV\113342000 - Hollymead Chipotle - Albemarle\CAD\PlanSheets\CA-101 GENERAL NOTES.dwg
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EXISTING CONDITIONS

CV-101

TARGET CORPORATION
D.B. 2896 PG. 171
PARCEL ID: 03200-00-00-043B0

N48°42'30"W ← 163.26'

NAIL FND.

ROD FND.

S41°17'30"W → 53.41'

ROD FND.

N48°42'30"W ← 60.01'

NAIL FND.

S41°17'30"W → 104.43'

NAIL FND.

NEW MARKET-HOLLYMEAD, LLC
D.B. 5125 PG. 209
PARCEL ID: 03200-00-00-04300

BM #2
NE CORNER OF D.I.
ELEV=542.74

TOP=542.55
INV=236.75

15"RCP

SIZE/ N/A
TOP=539.62
FL=535.90

ROD FND.

S42°35'23"W → 44.45'

S40°21'51"W → 114.56'

TOP=526.18
INV IN=521.45
INV OUT=521.30

24"RCP

TOP=526.26
FL=520.40

18"RCP

TOP=526.42
FL=522.30

BM #1
SW CORNER OF D.I.
ELEV=526.44

SHADE INDICATES LOCATION OF "STEEP SLOPES-MANAGED" AS IDENTIFIED ON ALBEMARLE COUNTY GIS (TYP.)

SEMINOLE TRAIL
U.S. ROUTE 29
(VARIABLE WIDTH R/W)

TOP=544.10
FL=535.70

GRATE DRAIN
TOP=544.90

F.F.=543.60

#109
1 STORY
BRICK/STUCCO

BRICK WALL

INV=535.85

RIP-RAP (TYP.)

LEGEND

- BENCHMARK
- HANDICAP PARKING
- BOLLARD
- SHRUB
- TREE
- SIGN
- DRAINAGE INLET
- DRAINAGE MANHOLE
- CLEANOUT
- UNKNOWN VAULT
- SANITARY SEWER
- UNKNOWN MANHOLE
- TELEPHONE PEDESTAL
- TRANSFORMER
- LIGHT POLE
- UTILITY POLE
- ELECTRIC METER
- ELECTRIC BOX
- GAS METER
- UNKNOWN MANHOLE
- SIAMESE HYDRANT
- WATER VALVE
- OVERHEAD ELECTRIC
- WOODS LINE

GRAPHIC SCALE IN FEET
0 5 10 20

NORTH

COMMONWEALTH OF VIRGINIA
KENNETH R BLAYLOCK, JR
Lic. NO. 2833
LAND SURVEYOR

PLAT SHOWING A PARTIAL TOPOGRAPHIC SURVEY OF PROPERTY LOCATED ON THE WEST SIDE OF SEMINOLE TRAIL

*RIVANNA DISTRICT * ALBEMARLE COUNTY, VIRGINIA*

DATE: SEPTEMBER 10, 2021

JENNINGSTEPHENSON P.C.
LAND SURVEYORS & PLANNERS
10160 STAPLES MILL ROAD
SUITE 103
GLEN ALLEN, VA 23060
PHONE – 804-545-6235
FAX – 804-545-6259

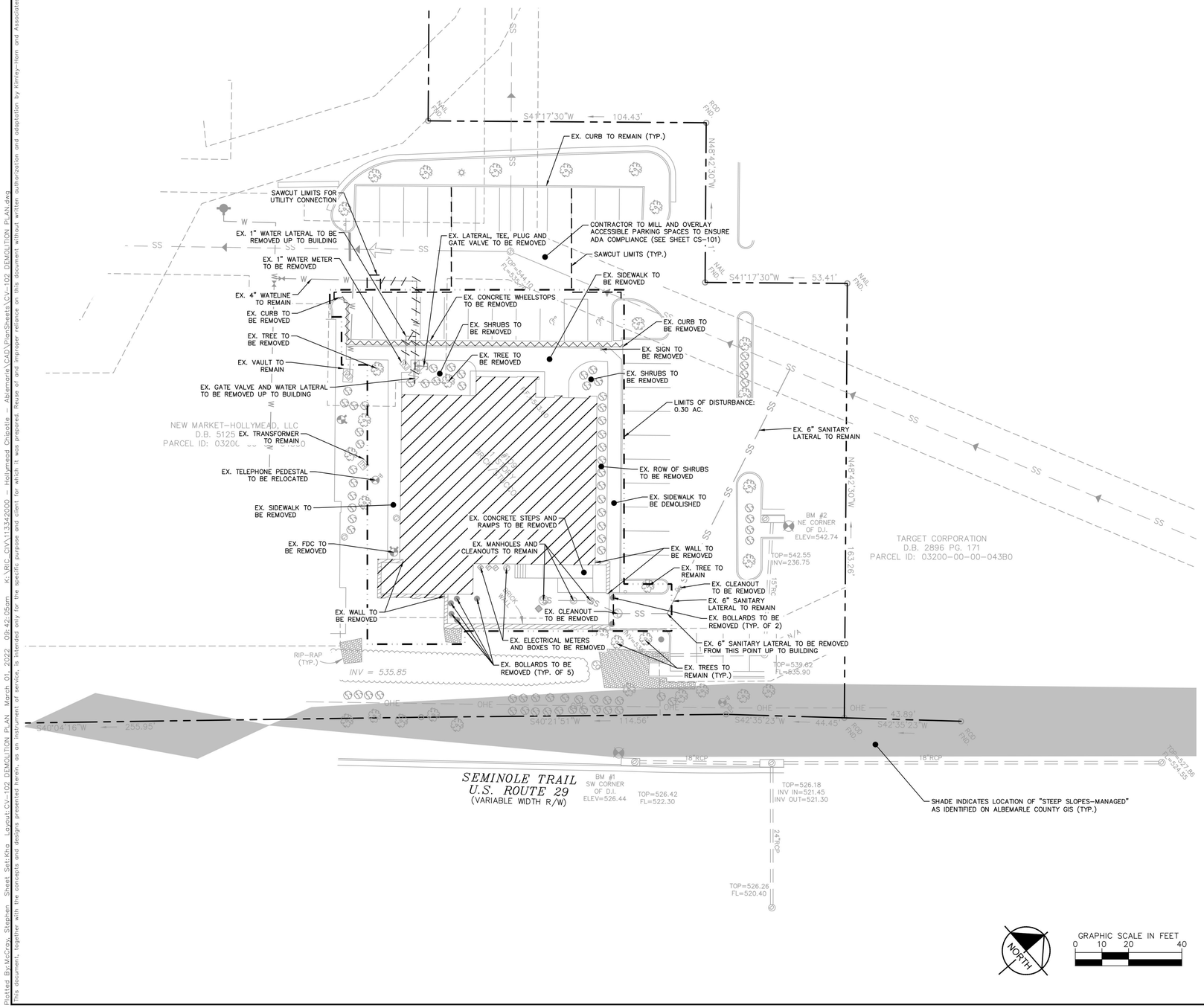
J.N. 21-686

NOTES:

1. THIS DEMOLITION 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. DEMOLITION OF BUILDING TO INCLUDE REMOVAL OF FOUNDATIONS.
5. ALL EXISTING UTILITIES WILL MAINTAIN MINIMUM COVER DURING CONSTRUCTION AND VALVES WILL BE FLUSHED TO GRADE.
6. ALL EXISTING PAVEMENT AND CURB AND GUTTER WITHIN LIMITS OF DISTURBANCE IS TO BE REMOVED.
7. SEE SHEET CP-501 FOR PLANTING BED AND SODDING DETAILS.

LEGEND:

- DEMOLISH BUILDING
- CURB AND GUTTER TO BE REMOVED
- SAWCUT LIMITS
- LIMITS OF DISTURBANCE (0.30 AC)
- UTILITIES TO BE REMOVED OR ABANDONED



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COMMONWEALTH OF VIRGINIA
RYAN R. PERKINS
Lic. No. 046565
09/01/2022
PROFESSIONAL ENGINEER

KHA PROJECT	113342000
DATE	03/01/2022
SCALE	AS SHOWN
DESIGNED BY	SMP
DRAWN BY	STM
CHECKED BY	RRP

DEMOLITION PLAN

CHIPOTLE
PREPARED FOR
NEW MARKET PROPERTIES
ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER
CV-102

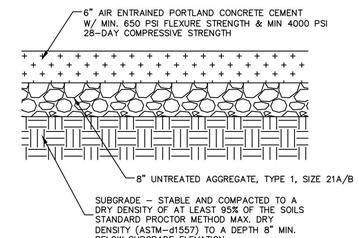
Plotted By: McCray, Stephen Sheet Set: KHA Layout: CV-102 DEMOLITION PLAN Mon, 01 Aug 2022 09:42:05am K:\RIC_CIV\113342000 - Hollymead Chipotle - Albemarle\CAD\PlanSheets\CV-102 DEMOLITION PLAN.dwg
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SITE PLAN NOTES

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 SHEET CS-501 FOR DETAILS.
5. TWO COATS OF TRAFFIC PAINT SHALL BE SUPPLIED FOR ALL PAVEMENT STRIPING.
6. VISIBILITY OF ALL MECHANICAL EQUIPMENT FROM THE ENTRANCE CORRIDOR SHALL BE ELIMINATED.

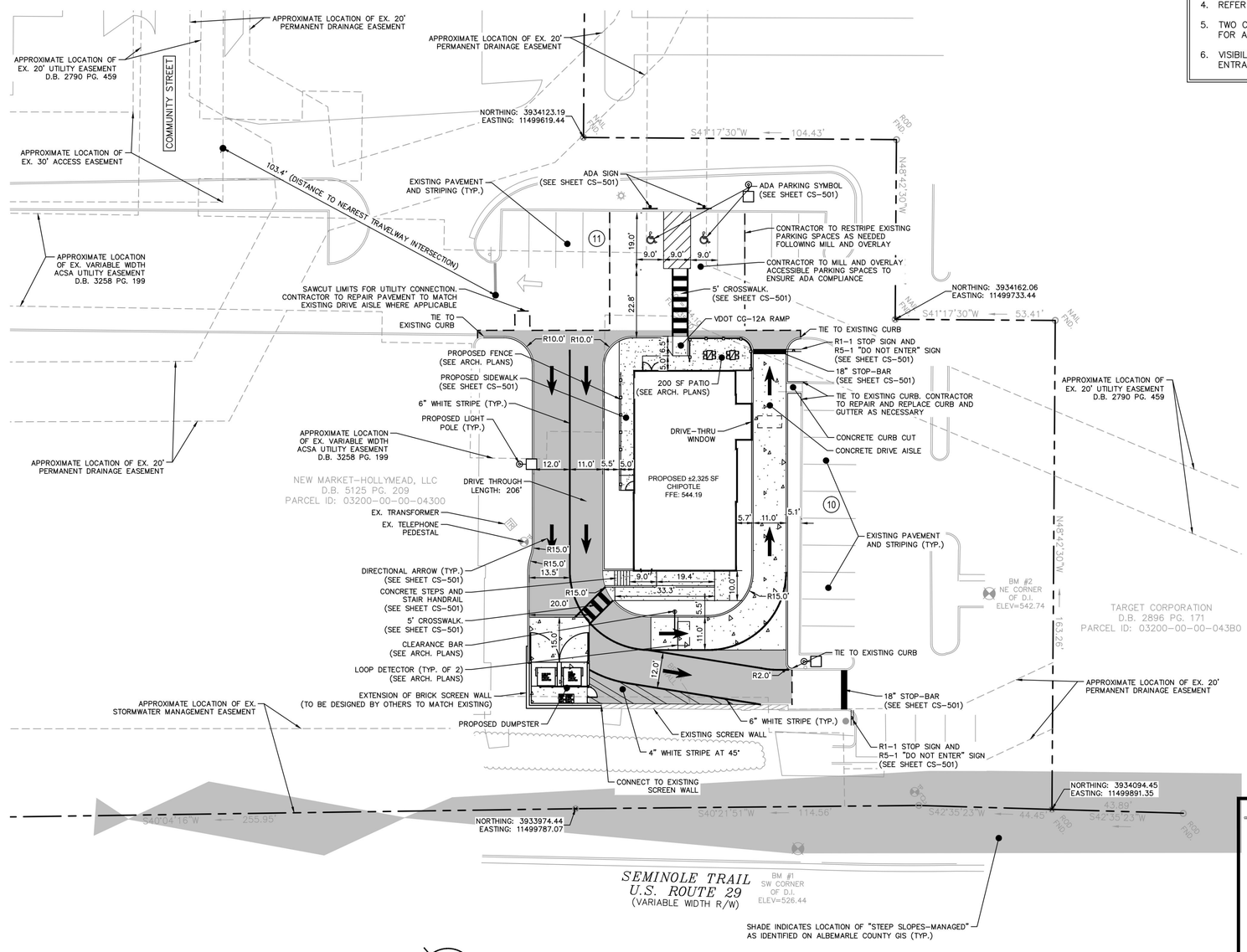
SITE LEGEND

- LIGHT DUTY PAVEMENT SEE SECTION ON THIS SHEET
- CONCRETE SIDEWALK SEE DETAIL ON SHEET CS-501
- HEAVY DUTY CONCRETE SEE SECTION ON THIS SHEET
- VDOT STD. CG-2

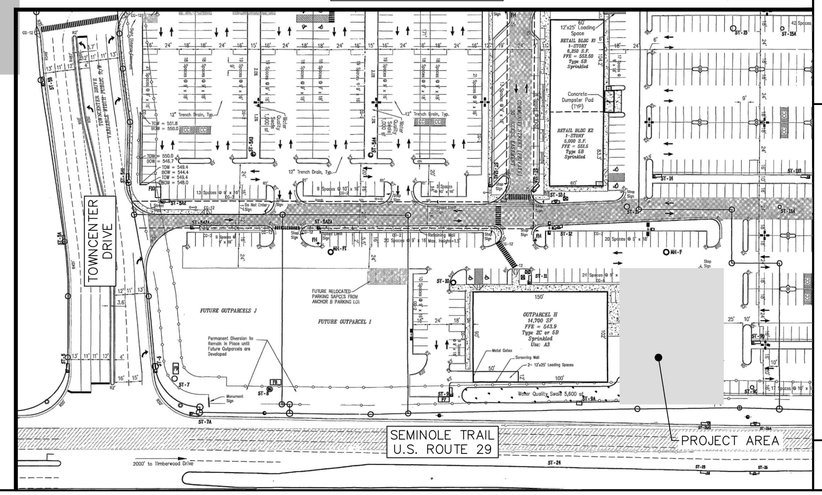


HEAVY DUTY CONCRETE PAVEMENT SECTION
NOT TO SCALE

LIGHT DUTY ASPHALT PAVEMENT SECTION
NOT TO SCALE



INSET
SCALE: 1"=80'



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RYAN R. PERKINS
Lic. No. 046565
09/01/2022
PROFESSIONAL ENGINEER

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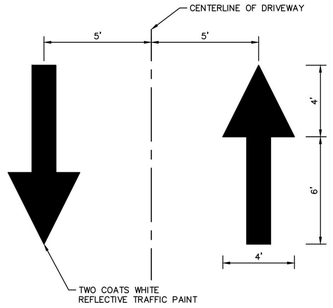
KHA PROJECT 113342000
DATE 09/01/2022
SCALE AS SHOWN
DESIGNED BY SMP
DRAWN BY STM
CHECKED BY RRP

SITE PLAN

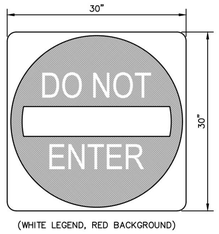
CHIPOTLE
PREPARED FOR
NEW MARKET PROPERTIES
ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER
CS-101

Plotted By:McCray, Stephen Street Set:Kha Layout:CS-101 SITE PLAN March 01, 2022 09:42:42am K:\RIC_CVL\113342000 - Hollymead Chipotle - Albemarle\CAD\PlanSheets\CS-101 SITE PLAN.dwg
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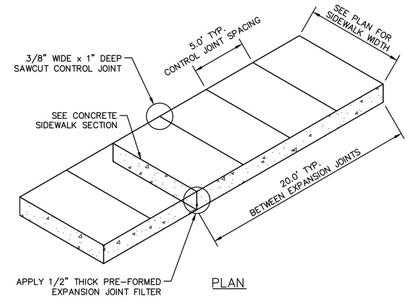


DIRECTIONAL ARROW

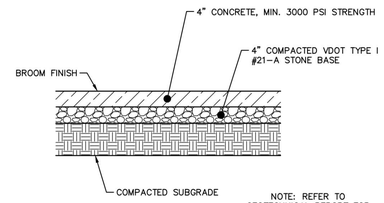


(WHITE LEGEND, RED BACKGROUND)

DO NOT ENTER SIGN (R5-1)

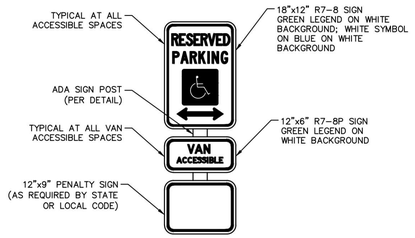


PLAN



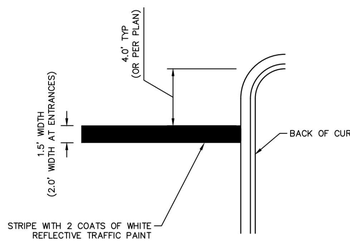
SECTION

CONCRETE SIDEWALK

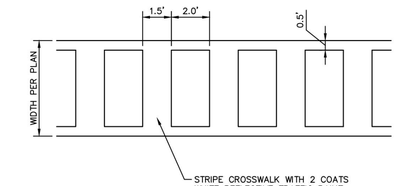


NOTE: SIGNS DENOTED HERE ARE TO BE PER MUTCD SPECIFICATIONS.

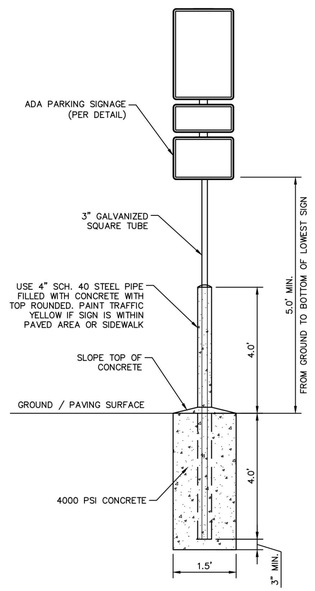
ADA PARKING SIGNAGE



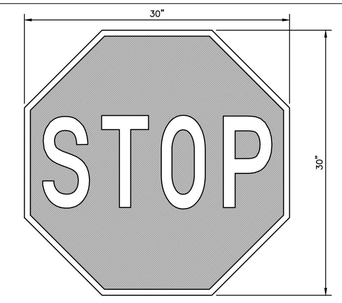
STOP BAR STRIPING



CROSSWALK STRIPING

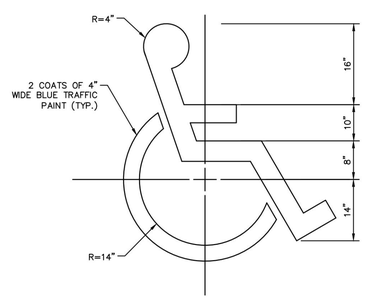


ADA PARKING SIGN POST

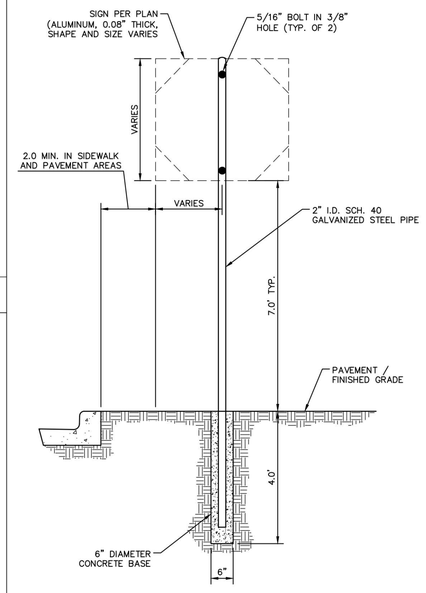


(WHITE LEGEND, RED BACKGROUND)

STOP SIGN (R1-1)



ADA PARKING SYMBOL



NOTE: DETAIL FOR ALL SIGNS ONSITE, OUTSIDE OF THE BUILDING AREA

SIGN POST

No.	REVISIONS	DATE	BY

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COMMONWEALTH OF VIRGINIA
RYAN R. PERKINS
Lic. No. 046565
03/01/2022
PROFESSIONAL ENGINEER

KHA PROJECT	113342000
DATE	03/01/2022
SCALE	AS SHOWN
DESIGNED BY	SMP
DRAWN BY	STM
CHECKED BY	RRP

SITE DETAILS

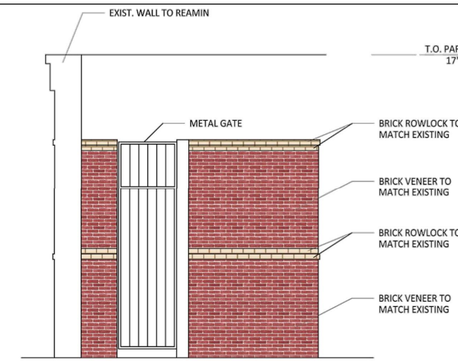
CHIPOTLE
PREPARED FOR
NEW MARKET PROPERTIES
ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER
CS-501

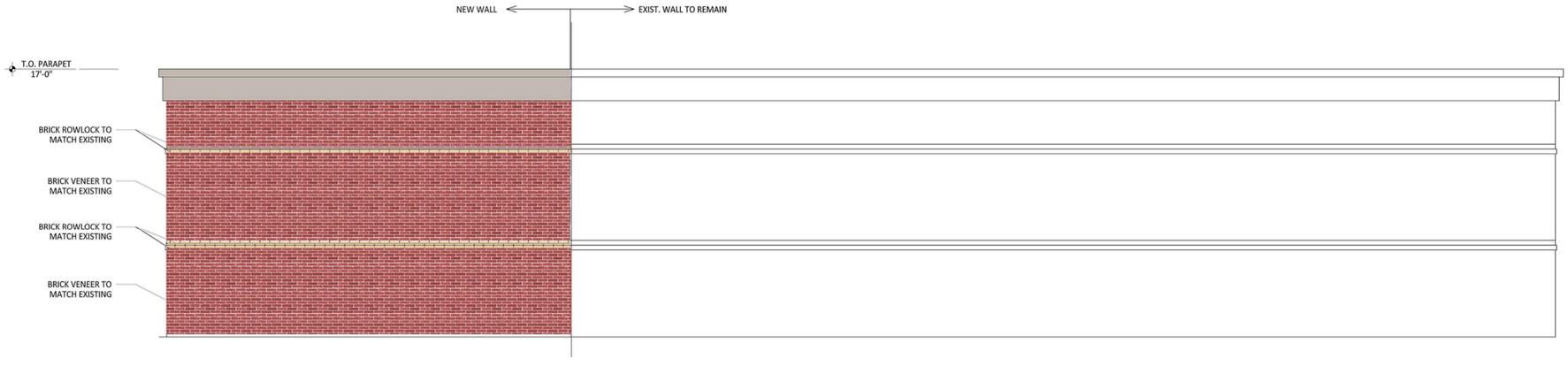
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1 A302 **EXISTING WALL AND DUMPSTER ENCLOSURE**
1/4" = 1'-0"



2 A302 **DUMPSTER ENCLOSURE SIDE VIEW**
1/4" = 1'-0"



3 A302 **EXISTING WALL AND DUMPSTER ENCLOSURE WALL EXTENSION VIEW FROM SEMINOLE TRAIL**
1/4" = 1'-0"

No.	REVISIONS	DATE	BY

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PROFESSIONAL ENGINEER
03/01/2022

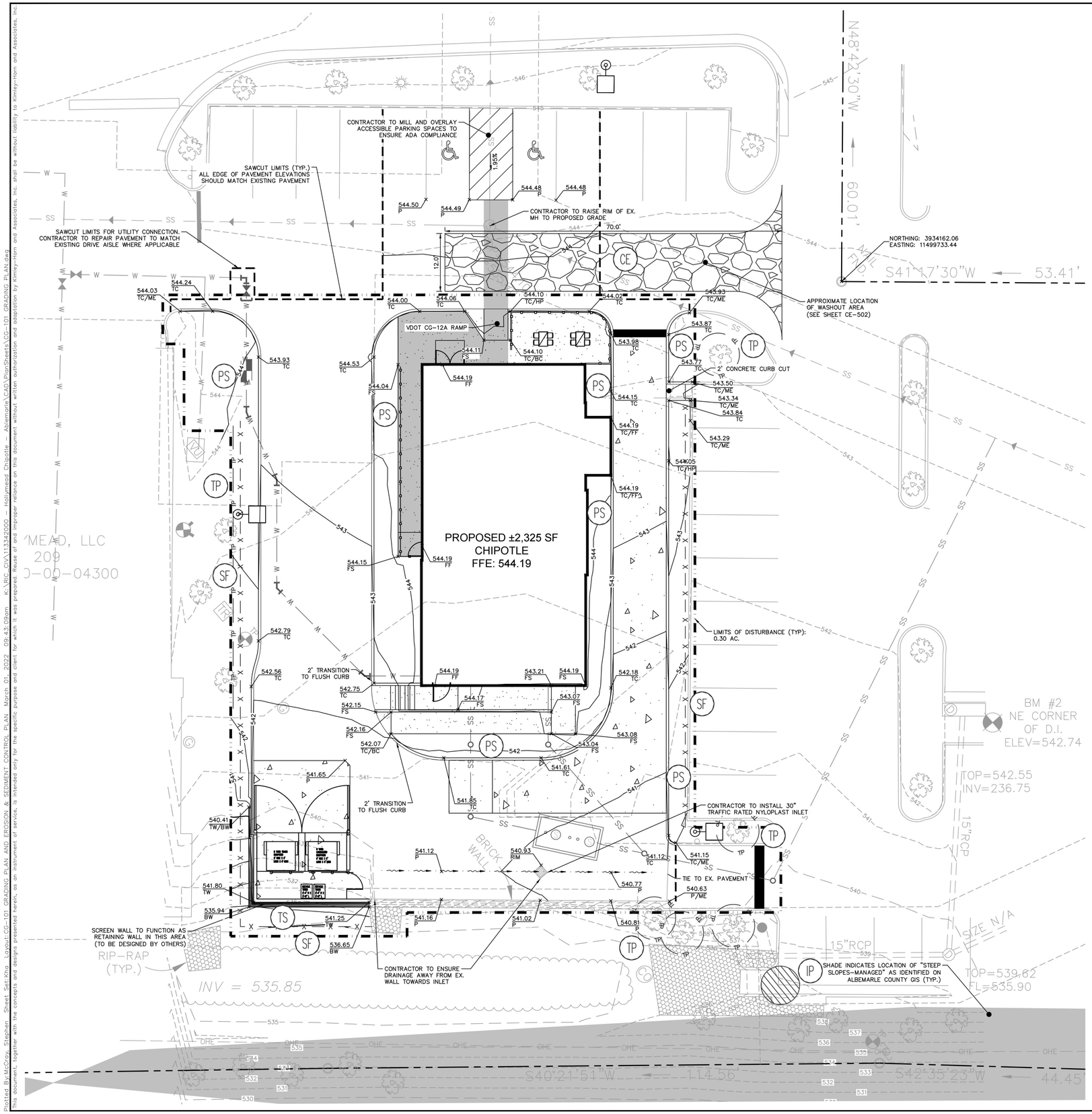
KHA PROJECT	113342000
DATE	03/01/2022
SCALE	AS SHOWN
DESIGNED BY	SMP
DRAWN BY	STM
CHECKED BY	RRP

SITE DETAILS

CHIPOTLE
PREPARED FOR
NEW MARKET PROPERTIES
ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER
CS-502

Plotted By:McCray, Stephen Sheet Set:Kha Layout:CS-502 SITE DETAILS March 01, 2022 09:50:14am K:\RIC_CIV\113342000 - Hollymead Chipotle - Albemarle\CAD\PlanSheets\CS-501 SITE DETAILS.dwg
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GRADING LEGEND

TC:	TOP OF CURB ELEVATION
BC:	BOTTOM OF CURB ELEVATION
FS:	FINISHED SURFACE ELEVATION
P:	PAVEMENT ELEVATION
ME:	MATCH EXISTING
FF:	FINISHED FLOOR ELEVATION
HP:	HIGH POINT

VDOT STD. CG-2

ADA ACCESSIBLE ROUTE

GRADING NOTES

1. ROOF DRAINS TO SPLASH ON GRADE. CONTRACTOR TO ENSURE POSITIVE DRAINAGE TO STORM OUTFALL.
2. ADA ACCESSIBLE PARKING SPACES ARE SHADED AND DESIGNED WITH A MAXIMUM 1.5% SLOPE IN ALL DIRECTIONS. CONTRACTOR TO ENSURE SLOPE DOES NOT EXCEED 2.0% IN ANY DIRECTION.
3. PROPOSED SIDEWALK/ADA ACCESSIBLE ROUTES ARE DESIGNED WITH A MAXIMUM 1.75% CROSS SLOPE AND A 4.75% LONGITUDINAL SLOPE. CONTRACTOR TO ENSURE CROSS SLOPE DOES NOT EXCEED 2.0% AND LONGITUDINAL SLOPE DOES NOT EXCEED 5.0%.
4. CONTRACTOR TO MATCH EXISTING GRADES AT LIMITS OF DISTURBANCE AND ENSURE POSITIVE DRAINAGE.

VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL

STD. & SPEC.	MEASURE	CALLOUT	SYMBOL	QUANTITY
3.02	CONSTRUCTION ENTRANCE	CE		1 EA.
3.05	SILT FENCE	SF	— X — X —	250 LF
3.07	INLET PROTECTION	IP		2 EA.
3.31	TEMPORARY SEEDING	TS	—TS—	0.30 AC.
3.31	PERMANENT SEEDING	PS	—PS—	0.1 AC.
3.38	TREE PROTECTION	TP	— TP — TP —	140 LF
LIMITS OF DISTURBANCE				0.30 AC.

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. 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. PAVE PARKING AREAS, INSTALL PAVEMENT STRIPING, AND FULLY STABILIZE ON-SITE IMPROVEMENTS.
6. 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.
7. INSTALL FINAL LANDSCAPING AND PLANTINGS.
8. SITE CLEANUP/DEMOBILIZATION.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

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COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER
09/01/2022

KHA PROJECT 113342000
DATE 03/01/2022
SCALE AS SHOWN
DESIGNED BY SMP
DRAWN BY STM
CHECKED BY RRP

GRADING PLAN AND EROSION & SEDIMENT CONTROL PLAN

CHIPOTLE

PREPARED FOR
NEW MARKET PROPERTIES

ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER
CG-101

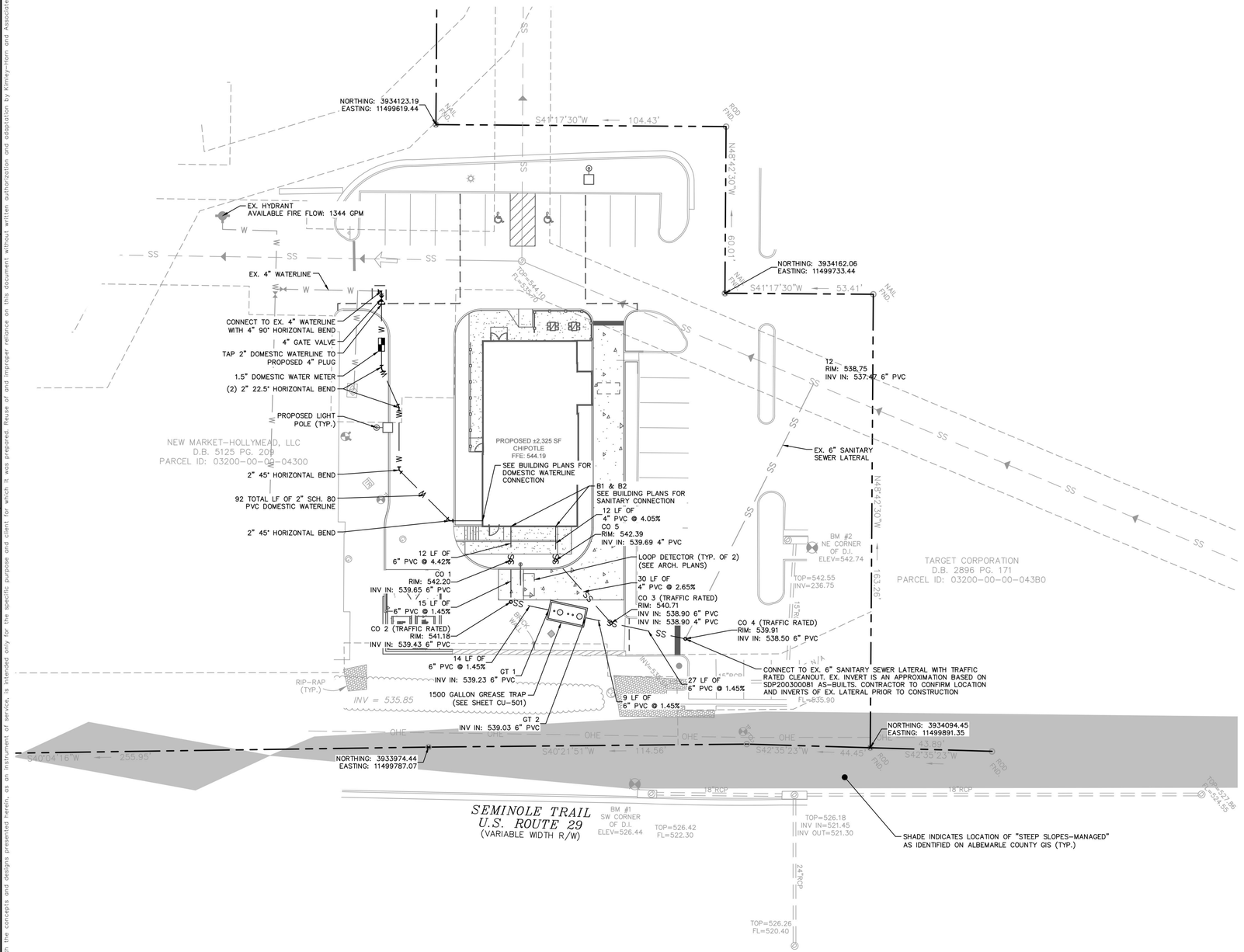
Plotted By:McCroy, Stephen Sheet Set:Kha Layout:CG-101 GRADING PLAN AND EROSION & SEDIMENT CONTROL PLAN March 01, 2022 09:43:09am K:\RIC_CIV\113342000 - Hollymead Chipotle - Albemarle\CAD\PlanSheets\CG-101 GRADING PLAN.dwg
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UTILITY QUANTITIES

WATER QUANTITIES:		
2" SCH. 80 PVC DOMESTIC WATERLINE	104	LF
1.5" DOMESTIC WATER METER	1	EA.
4" PLUG	1	EA.
4" GATE VALVE	1	EA.
2" 45° HORIZONTAL BEND	2	EA.
4" 90° HORIZONTAL BEND	1	EA.
SEWER QUANTITIES:		
6" PVC SANITARY SEWER	78	LF
4" PVC SANITARY SEWER	30	LF
6" SANITARY SEWER CLEANOUT	4	EA.
4" SANITARY SEWER CLEANOUT	1	EA.
1500 GALLON GREASE TRAP	1	EA.

UTILITY NOTES

1. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.
2. ALL PROPOSED UTILITIES ARE TO BE INSTALLED UNDERGROUND INCLUDING ELECTRIC, TELEPHONE, AND CATV.
3. INSTALLATION OF A KNOX BOX IS REQUIRED. CONTRACTOR TO COORDINATE BOX LOCATION WITH THE FIRE MARSHAL'S OFFICE.
4. CONTRACTOR TO CONTACT ACSA 3 BUSINESS DAYS PRIOR TO ANY WORK ON ACSA UTILITIES TO SCHEDULE AN INSPECTOR TO BE ON SITE.



No.	REVISIONS	DATE	BY

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COMMONWEALTH OF VIRGINIA
RYAN R. PERKINS
Lic. No. 046565
PROFESSIONAL ENGINEER
09/01/2022

KHA PROJECT	113342000
DATE	03/01/2022
SCALE	AS SHOWN
DESIGNED BY	SMP
DRAWN BY	STM
CHECKED BY	RRP

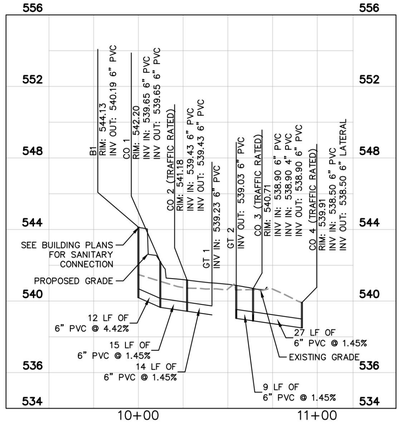
UTILITY PLAN

CHIPOTLE
PREPARED FOR
NEW MARKET PROPERTIES
ALBEMARLE COUNTY VIRGINIA

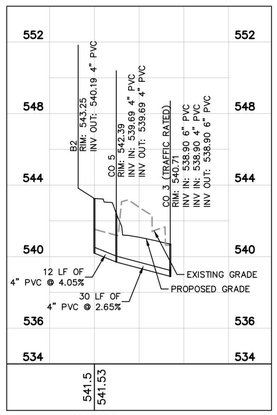
SHEET NUMBER
CU-101

Plotted By:McCray, Stephen Sheet Set:Kha Layout:CU-101 UTILITY PLAN March 01, 2022 09:43:19am K:\RIC_CIV\113342000 - Hollymead Chipotle - Albemarle\CAD\PlanSheets\CU-101 UTILITY PLAN.dwg
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SANITARY SEWER PROFILE FROM BUILDING TO CO 4



SANITARY SEWER PROFILE FROM BUILDING TO CO 3



FIRE FLOW ESTIMATE FORM

ISO (Insurance Service Office) Method of Calculating Needed Fire Flow NFF (Needed Fire Flow)

ENGINEER: Ryan Perkins, P.E. DATE: 3/1/2022
PROJECT NAME: Chipotle - Hollymead Town Center CALC. BY: RP

TYPE OF CONSTRUCTION: NONCOMBUSTIBLE C-3
Class of Construction Coefficient = **F**: 0.8

GROUND FLOOR AREA: 2,325 # OF STORIES 1
Total Floor Area = A_t (effective area) 2,325

FIRE AREA CONSIDERED

Construction Factor $C_i = 18\ (F)\ (A_t)^{0.5}$ (ROUNDED TO NEAREST 250 GPM) C_i: 750

TYPE OF OCCUPANCY: COMBUSTIBLE C-3
(Worst Case) Occupancy Factor = O_i: 1

EXPOSURE (X) AND COMMUNICATION (P):

$X_1 + P_1$ = 0.00 $X_4 + P_4$ =
$X_2 + P_2$ = $X_5 + P_5$ =
$X_3 + P_3$ = $X_6 + P_6$ =

$(X+P)_t = 1.0 + E(X_i+P_i)$ =

(Max. X +P)i = 1.75) 1.00
(n = NUMBER OF SIDES OF SUBJECT BUILDING)

NEEDED FIRE FLOW

$NFF = (C_i)\ (O_i)\ (X+P)_t$ NFF = 750

Automatic Sprinklers: N0 Reduction Factor: 0% % X NFF = - 0

TOTAL: 750

Required Fire Flow - Rounded: 750 gpm

Fire Hydrants Required*: 1

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT

SIGNATURE: _____ **P.E.**

* COMMERCIAL AREA REQUIRES 350 FT. MAXIMUM HOSE LAY

References: NFF calculation procedure described in A.W.W.A. M-31, I.S.O.'s 1980 Commercial Fire Rating Schedule and I.S.O.'s 1980 Fire Suppression Rating Schedule.

9/94

ACWWA Water Demand Estimate and Meter Sizing Using Fixture Values

(Based on AWWA M22 Manual, Second Edition and ACWWA Rules and Regulations)

ACWWA Project Number

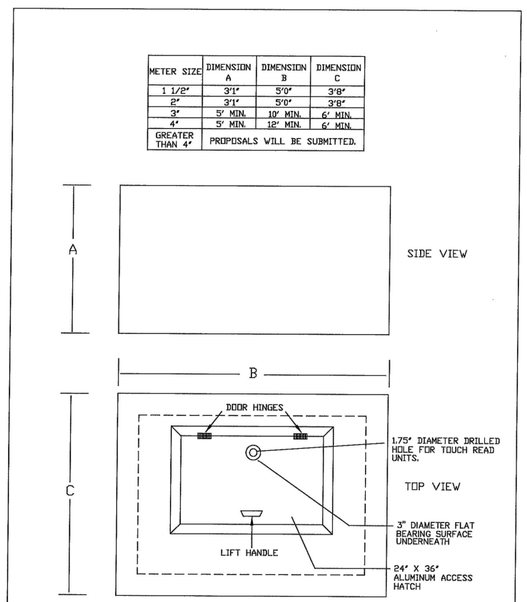
Building address or number: 109 COMMUNITY STREET

Residential or Non-Residential: Non-Residential

Pressure Zone at Project (Obtained from ACWWA or Hydrant Test): 65

Fixture or Appliance	Fixture Value (at 60 psi)	Number of Fixtures	Subtotal Fixture Value
Toilet (tank)	4	2	8
Toilet (flush valve)	35	0	0
Urinal (wall or stall)	16	0	0
Urinal (flush valve)	35	0	0
Bidet	2	0	0
Shower (single head)	2.5	0	0
Sink (lavatory)	1.5	2	3
Kitchen Sink	2.2	4	8.8
Utility Sink	4	1	4
Dishwasher	2	1	2
Bathtub	8	0	0
Clothes Washer	6	0	0
Hose connections (with 50 ft of hose)			
1/2 in.	5	0	0
5/8 in.	9	0	0
3/4 in.	12	2	24
Miscellaneous			
Bedpan washers	10	0	0
Drinking fountains	2	0	0
Dental units	2	0	0
Combined Fixture Value			49.8
Demand (gpm)			44
Pressure Adjustment Factor			1.05
Total Adjusted demand (gpm)			**46.2**
Required ACWWA Meter Size			**1 1/2"**

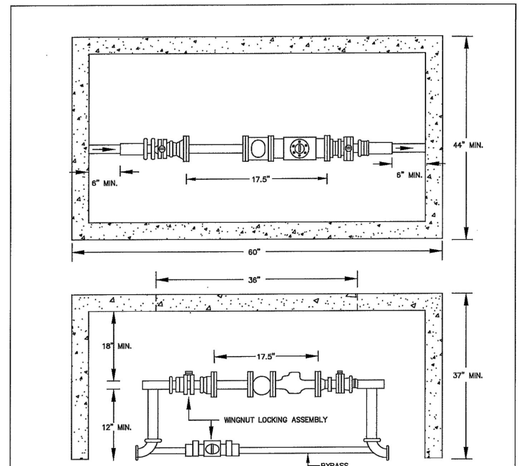
METER SIZE	DIMENSION A	DIMENSION B	DIMENSION C
1 1/2"	3'1"	5'0"	3'8"
2"	3'1"	5'0"	3'8"
3"	5' MIN.	10' MIN.	6' MIN.
4"	5' MIN.	12' MIN.	6' MIN.
GREATER THAN 4"	PROPOSALS WILL BE SUBMITTED.		



TYPICAL METER VAULT

N.T.S.
FIG. W-7A

TD-14



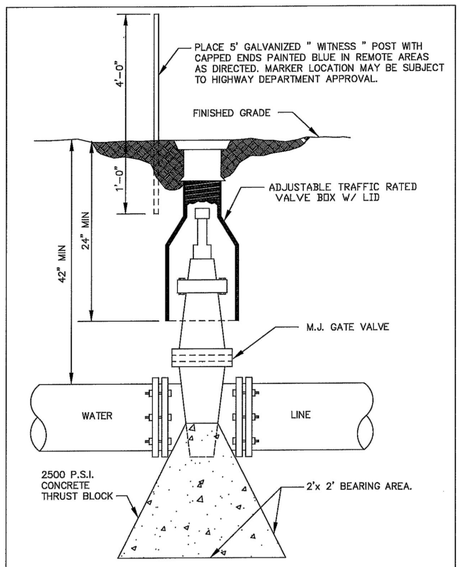
NOTES:

1. PROVIDE A 6" THICK GRAVEL BED BENEATH THE METER VAULT.
2. MINIMUM WALL THICKNESS FOR PRECAST OR POUR-IN-PLACE VAULTS SHALL BE 4". MINIMUM WALL THICKNESS FOR VAULTS CONSTRUCTED OF MASONARY BLOCK SHALL BE 8".
3. THE OUTSIDE OF THE VAULT BELOW GRADE SHALL BE COATED WITH AN APPROVED WATER PROOFING COMPOUND.

TYPICAL METER VAULT (1 1/2" METER)

NTS
FIG. W-7B

TD-15

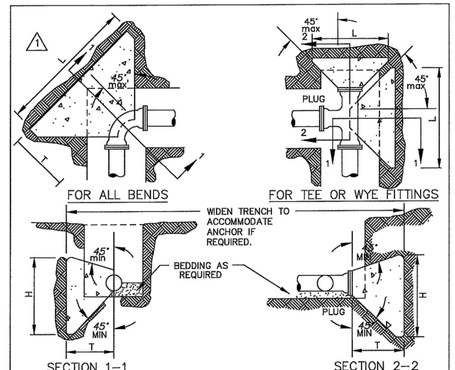


NOTE : IN REMOTE AREAS, VALVE BOXES SHALL EXTEND SIX (6) INCHES ABOVE GRADE.

TYPICAL GATE VALVE

NTS
FIG. W-5

TD-9



PIPE SIZE	DEGREE OF BEND	BEND DIMENSIONS (FEET) L	H	T	VOL. CU.YD.	TEE AND PLUGS (FEET) L	H	T	VOL. CU.YD.
4" & 6"	90	2.50	2.50	3.01	0.24	2.00	2.25	2.50	0.15
	45	2.00	2.25	2.60	0.15				
	22 1/2	1.50	2.00	2.52	0.10				
	11 1/4	1.50	2.00	2.50	0.10				
8"	90	3.66	3.16	3.21	0.48	3.16	2.91	2.66	0.32
	45	2.66	2.66	2.77	0.26				
	22 1/2	1.66	2.16	2.69	0.13				
	11 1/4	1.66	2.16	2.67	0.13				
10" & 12"	90	4.83	3.83	3.42	0.83	3.83	4.00	2.83	0.52
	45	3.33	3.58	2.95	0.43				
	22 1/2	2.33	2.58	2.86	0.24				
	11 1/4	1.83	2.33	2.84	0.18				

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

CONCRETE THRUST BLOCKS

NTS
FIG. W-3

TD-3

No.	REVISIONS	DATE	BY

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COMMONWEALTH OF VIRGINIA
RYAN R. PERKINS
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PROFESSIONAL ENGINEER
03/01/2022

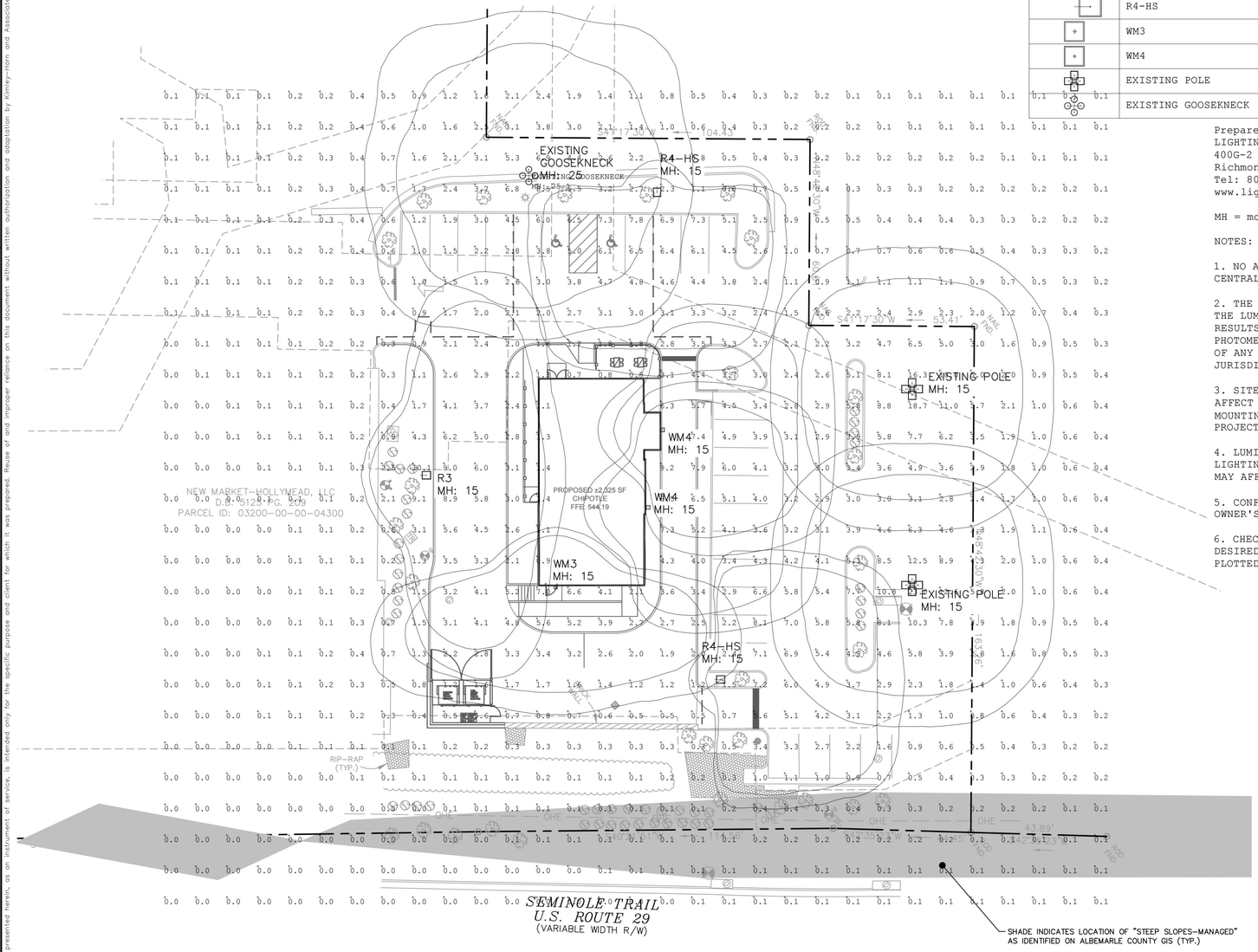
KHA PROJECT 113342000
DATE 03/01/2022
SCALE AS SHOWN
DESIGNED BY SMP
DRAWN BY STM
CHECKED BY RRP

UTILITY DETAILS

CHIPOTLE
PREPARED FOR
NEW MARKET PROPERTIES
ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER
CU-501

Plotted By:McCroy, Stephen Sheet Set:Kha Layout:CU-501 UTILITY DETAILS March 01, 2022 09:43:32am K:\RIC_CIVIL\113342000 - Hollymead Chipotle - Albemarle\CAD\PlanSheets\CU-501 UTILITY DETAILS.dwg
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Each outdoor luminaire equipped with a lamp that emits 3,000 or more initial lumens shall be a full cutoff luminaire and shall be arranged or shielded to reflect light away from adjoining residential districts and away from adjacent roads. The spillover of lighting from luminaires onto public roads and property in residential or rural areas zoning districts shall not exceed one half footcandle.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Property Line	Illuminance	Fc	0.12	0.3	0.0	N.A.	N.A.
Parking Lot & Drive	Illuminance	Fc	3.58	8.1	0.7	5.11	11.57

Luminaire Schedule					
Symbol	Label	LLF	Lum. Lumens	[MANUFAC]	Description
	R3	1.000	17433	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-III-W-80LED-525mA-WW
	R4-HS	1.000	13328	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-IV-FT-80LED-525mA-WW-HS
	WM3	1.000	11453	U.S. ARCHITECTURAL LIGHTING	RZR-WM2-PLED-III-W-40LED-700mA-WW
	WM4	1.000	11153	U.S. ARCHITECTURAL LIGHTING	RZR-WM2-PLED-IV-FT-40LED-700mA-WW
	EXISTING POLE	1.000	8991	TRACE-LITE	TL106-HPS-150
	EXISTING GOOSEKNECK	1.000	8991	TRACE-LITE	TL106-HPS-150

Prepared by:
LIGHTING VIRGINIA CENTRAL
400G-2 Southlake Blvd.
Richmond, VA 23236
Tel: 804-379-7777
www.lightingvirginia.com

MH = mounting height in FEET

NOTES:

1. NO ALTERATIONS OR MODIFICATIONS SHALL BE MADE TO THIS PLAN WITHOUT THE PERMISSION OF LIGHTING VIRGINIA CENTRAL, ADAMS PARNELL, LLC.

2. THE OUTPUT ON THIS PHOTOMETRIC LAYOUT IS SPECIFIC TO THE MANUFACTURER AND CATALOG NUMBERS LISTED IN THE LUMINAIRE SCHEDULE. SUBSTITUTIONS OR DEVIATIONS FROM THIS PLAN MAY INCUR SIGNIFICANTLY DIFFERENT RESULTS. ANY SUBSTITUTIONS MUST RECEIVE ENGINEER AND ARCHITECT APPROVAL. REVIEW COSTS, REWORKED PHOTOMETRIC LAYOUTS, PRODUCT SUBMITTALS AND A FULL SET OF ITL REPORTS WILL SOLELY BE THE RESPONSIBILITY OF ANY CONTRACTING FIRM MAKING A SUBSTITUTION, AND MUST COMPLY WITH DESIGN CRITERIA AND WITH ANY APPLICABLE JURISDICTIONAL CODES.

3. SITE DETAILS PROVIDED HEREON ARE REPRODUCED ONLY AS A VISUALIZATION AID. FIELD DEVIATIONS MAY SIGNIFICANTLY AFFECT PREDICTED PERFORMANCE. PRIOR TO INSTALLATION, CRITICAL SITE INFORMATION (POLE LOCATIONS, ORIENTATION, MOUNTING HEIGHT, ETC.) SHOULD BE COORDINATED WITH THE CONTRACTOR AND/OR SPECIFIER RESPONSIBLE FOR THE PROJECT.

4. LUMINAIRE DATA IS TESTED TO INDUSTRY STANDARDS UNDER LABORATORY CONDITIONS AND SUPPLIED BY OTHERS TO LIGHTING VIRGINIA. OPERATING VOLTAGE AND NORMAL MANUFACTURING TOLERANCES OF LAMP, BALLAST, AND LUMINAIRE MAY AFFECT FIELD RESULTS.

5. CONFORMANCE TO FACILITY CODE AND OTHER LOCAL REQUIREMENTS IS THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.

6. CHECK GRAPHIC SCALE. DOCUMENTS PRINTED OR PLOTTED FROM ELECTRONIC FILES MAY OCCUR AT OTHER THAN THE DESIRED OR ASSUMED GRAPHIC SCALES. IT IS THE RESPONSIBILITY OF THE RECIPIENT TO VERIFY THAT THE PRINTED OR PLOTTED-TO-SCALE DRAWING IS PRINTED TO SCALE.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

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KHA PROJECT 113342000
DATE 03/01/2022
SCALE AS SHOWN
DESIGNED BY SMP
DRAWN BY STM
CHECKED BY RRP

LIGHTING PLAN

CHIPOTLE
PREPARED FOR
NEW MARKET PROPERTIES
ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER
CL-101

Plotted By:McCroy, Stephen Sheet Set:Kha Layout:CL-101 LIGHTING PLAN March 01, 2022 09:43:45am K:\Rlc_Dv\113342000 - Hollymead Chipotle - Albemarle\CADD\Plan Sheets\CL-101 LIGHTING PLAN.dwg
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Submitted by Lighting Virginia-Central

LIGHTING VIRGINIA

Job Name: 109 Community West Site

Catalog Number: RZR-PLED-III-W-80LED-525MA-NW-XX

Notes:

Type: R3

LV - CENTRAL21-35393

SOLID STATE AREA LIGHTING

PROJECT NAME:

PROJECT TYPE:

RAZAR SERIES-LED

S P E C I F I C A T I O N S

OPTICAL HOUSING
Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling fins. The Optical Panel mounting surface is milled flat (surface variance <± .002") to facilitate thermal transfer of heat to housing and cooling fins. Solid barrier wall separates optical and electrical compartments. The optical and electrical compartments are integrated to create one assembly. Minimum wall thickness is .188".

ELECTRICAL HOUSING w/ INTEGRATED ARM
Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling ribs surrounding the electrical compartment and a flat surface on the top of the arm to accommodate a photocell receptacle. Solid barrier wall separates optical and electrical compartments. The optical compartment and electrical compartment with the integrated support arm combine to create one assembly. Minimum wall thickness is .188". Cast and hinged driver assembly cover is integrated with wiring compartment cover.

PLED® OPTICS
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

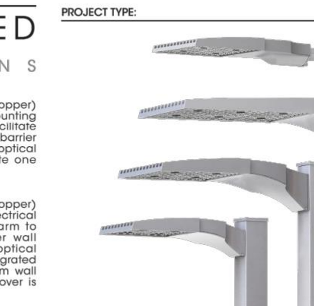
LED DRIVER(S)
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED EMITTERS
High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

AMBER LED's
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. **TRA** (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

MAST ARM FITTER/ELECTRICAL HOUSING
Replaces standard Electrical Housing. Fits standard 2 3/8" O.D. horizontal tenon. Two (2) straps with two (2) bolts each encircle the lower half of the tenon. Upper half of the tenon rests on self-centering steps that position the angle of the luminaire at 0°, +1.5°, +1.5 or +3° up from the horizontal. All hardware is stainless steel.



RAZAR
(MODELS: RZRM, RZR, RZR-G & RZR-MAF*) PATENT PENDING

RZR-G

RZR, RZRM & RZR-MAF* (Top View)

RZR & RZRM

RZR-MAF*

FIXTURE	A	B	C	D
RZR-G	15" 381mm	36.5" 927mm	3" 76mm	7" 187mm
RZR	14.75" 375mm	28.25" 718mm	2.75" 70mm	6.5" 165mm
RZRM	11.5" 292mm	22" 559mm	2.5" 64mm	5.25" 133mm
RZR-MAF	15" 381mm	28.25" 724mm	2.5" 64mm	4" 102mm

*DLC PENDING AS OF 7/19

2020248

U.S. Architectural Lighting 660 West Avenue O, Palmdale, CA 93551 Phone (661) 233-2000 Fax (661) 233-2001 www.usaltg.com

U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 1/3 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-PLED-III-W-80LED-525MA-NW-XX

Notes:

Type: R3

LV - CENTRAL21-35393

RAZAR SERIES-LED

S P E C I F I C A T I O N S

WALLMOUNT

CAST ALUMINUM ARM AND WALL BRACKET ASSEMBLY PROVIDED WITH BUILT IN GASKETED WIRE ACCESS FOR FIXTURE/SUPPLY WIRE CONNECTION.

PLED® MODULES

RZR-G E.P.A.= 0.76 Available in: 120 LED Module Max — 120 LED Module

RZR E.P.A.= 0.67 Available in: 80 LED Module Max — 80 LED Module

WALL PLATE — 7" SQ. (178mm); 5.50" (140mm); 5.50" (140mm); .50" DIA. (13mm) (4) HOLES

POLE DRILLING TEMPLATE — 2" (51mm); 1.25" (32mm); 2.75" (70mm) FOR RZRM; 4" (102mm) WIREWAY FOR RZR; .563" DIA. (14mm); .406" DIA. (10mm) (3) HOLES

RZRM E.P.A.= 0.45 Available in: 48 LED Module Max — 48 LED Module

Spec/Order Example: RZR/PLED-IV/80LED-700mA/CW/277/RAL-8019-S

S P E C / O R D E R I N G I N F O R M A T I O N

MODEL	OPTICS	LED MODE	VOLTAGE	FINISH	OPTIONS
☐ RZR-G ☐ RZR (selected) ☐ RZR-MAF[1] ☐ RZRM	☐ TYPE II PLED-II ☐ TYPE II FRONT ROW PLED-II-FR ☐ TYPE II MEDIAN ILLUMINATOR PLED-II-ML ☐ TYPE III MED. PLED-III-M ☐ TYPE III WIDE PLED-III-W (selected) ☐ TYPE IV PLED-IV ☐ TYPE IV PLED-IV-FT ☐ TYPE V NARROW PLED-VSQ-N ☐ TYPE V MED. PLED-V-SQ-M ☐ TYPE V WIDE PLED-V-SQ-W	NO. LEDs: RZR-G ☐ 120LED ☐ 80LED; RZR ☐ 80LED (selected) ☐ 40LED; RZRM ☐ 48LED ☐ 24LED DRIVE CURRENT: ☐ 350mA ☐ 525mA (selected) ☐ 700mA[2] ☐ 1050mA[2] COLOR TEMP - CCT: ☐ NW (4000K)* *STANDARD (selected) ☐ CW (5000K) ☐ WW (3000K); CONSULT FACTORY FOR OTHER LED COLORS AMBER[3]: ☐ PHOSPHOR CONVERTED AMBER PCA ☐ TRUE AMBER[4] TRA	☐ 120 ☐ 208 ☐ 240 ☐ 277 ☐ 347 ☐ 480 PLEASE SPECIFY	STANDARD TEXTURED FINISH ☐ BLACK RAL-9005-T ☐ WHITE RAL-9003-T ☐ GREY RAL-7004-T ☐ DARK BRONZE RAL-8019-T ☐ GREEN RAL-6005-T FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S) CONSULT FACTORY FOR CUSTOM COLORS	☐ HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NONINTEGRATED MOTION SENSOR ... HLSW ☐ INTERNAL HOUSE SIDE SHIELD ... HS-PLED ☐ PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ... PC+V ☐ TWIST LOCK RECEPTACLE ONLY ... TPR ☐ 7-PIN TWIST LOCK RECEPTACLE ONLY ... TPR7 ☐ SINGLE FUSE (120V, 277V, 347V) ... SF ☐ DOUBLE FUSE (208V, 240V, 480V) ... DF ☐ STEP DIM MOTION SENSOR (PROGRAMMED 50/100) ... MS-F211 ☐ REMOTE MOTION SENSOR CONFIGURATOR ... MS-FC10

NOTES: 1 - DLC PENDING AS OF 7/19

NOTES: 2 - 700mA and 1050mA NOT FOR USE WITH TRA LED'S. 3 - NARROW BAND AMBERS HAVE NO DEFINABLE CCT EQUIVALENT. 4 - AVAILABLE IN 350mA & 525mA DRIVE CURRENTS ONLY

U.S. Architectural Lighting 660 West Avenue O, Palmdale, CA 93551 Phone (661) 233-2000 Fax (661) 233-2001 www.usaltg.com

U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 2/3 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-PLED-III-W-80LED-525MA-NW-XX

Notes:

Type: R3

LV - CENTRAL21-35393

RAZAR SERIES-LED LED/ELECTRICAL GUIDE (pg.1)

Approximate Average Lumens – 4000K (Lumens median of all distributions)

	350mA Watts	Lumens	HID Eq.	525mA Watts	Lumens	HID Eq.	700mA Watts	Lumens	HID Eq.	1050mA Watts	Lumens	HID Eq.
24	28	3541	50	41	5058	70-100	53	6567	100	81	8773	150-175
40	45	5997	70-100	66	8653	100-150	87	10995	175	134	14647	200-250
48	55	7046	100	81	10018	150-175	105	12600	200	160	17566	250
80	87	11622	175-200	131	16736	200-250	174	21235	400	266	28190	450-575
120	127	17405	250	195	24860	450	260	31592	575-750	396	43323	750-1000

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K CCT	INITIAL LUMENS - 3000K CCT	INITIAL LUMENS - 5000K CCT	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
24	LED	24 PLED® Optical Module - 350mA	3,298 - 3,784	3,133 - 3,595	3,463 - 3,973	60,000+	-20°F	29	120 277	0.24 0.10
24	LED	24 PLED® Optical Module - 525mA	4,711 - 5,405	4,475 - 5,135	4,947 - 5,675	60,000+	-20°F	42	120 277	0.34 0.15
24	LED	24 PLED® Optical Module - 700mA	6,023 - 6,911	5,722 - 6,565	6,324 - 7,256	60,000+	-20°F	56	120 277	0.45 0.20
24	LED	24 PLED® Optical Module - 1050mA	8,171 - 9,375	7,762 - 8,906	8,580 - 9,844	60,000+	-20°F	82	120 277	0.68 0.30
40	LED	40 PLED® Optical Module - 350mA	5,585 - 6,408	5,306 - 6,088	5,864 - 6,729	60,000+	-20°F	43	120 277	0.38 0.17
40	LED	40 PLED® Optical Module - 525mA	8,059 - 9,246	7,656 - 8,784	8,462 - 9,709	60,000+	-20°F	65	120 277	0.55 0.24
40	LED	40 PLED® Optical Module - 700mA	10,240 - 11,749	9,728 - 11,162	10,752 - 12,337	60,000+	-20°F	87	120 277	0.73 0.32
40	LED	40 PLED® Optical Module - 1050mA	13,642 - 15,652	12,960 - 14,870	14,324 - 16,435	60,000+	-20°F	128	120 277	1.12 0.49
48	LED	48 PLED® Optical Module - 350mA	6,562 - 7,529	6,234 - 7,153	6,890 - 7,909	60,000+	-20°F	53	120 277	0.46 0.20
48	LED	48 PLED® Optical Module - 525mA	9,330 - 10,705	8,864 - 10,170	9,797 - 11,240	60,000+	-20°F	79	120 277	0.68 0.29
48	LED	48 PLED® Optical Module - 700mA	11,735 - 13,464	11,148 - 12,791	12,322 - 14,137	60,000+	-20°F	106	120 277	0.88 0.38
48	LED	48 PLED® Optical Module - 1050mA	16,360 - 18,771	15,542 - 17,832	17,178 - 19,709	60,000+	-20°F	160	120 277	1.33 0.58
RZR										
80	LED	80 PLED® Optical Module - 350mA	10,824 - 12,419	10,283 - 11,798	11,365 - 13,040	60,000+	-20°F	86	120 277	0.75 0.33
80	LED	80 PLED® Optical Module - 525mA	15,587 - 17,884	14,808 - 16,990	16,366 - 18,778	60,000+	-20°F	130	120 277	1.10 0.48
80	LED	80 PLED® Optical Module - 700mA	19,767 - 22,680	18,779 - 21,546	20,755 - 23,814	60,000+	-20°F	174	120 277	1.45 0.63
80	LED	80 PLED® Optical Module - 1050mA	26,255 - 30,124	24,942 - 28,618	27,568 - 31,630	60,000+	-20°F	257	120 277	2.22 0.96
RZR-G										
80	LED	80 PLED® Optical Module - 350mA	10,950 - 12,564	10,403 - 11,936	11,498 - 13,192	60,000+	-20°F	87	120 277	0.75 0.33
80	LED	80 PLED® Optical Module - 525mA	15,735 - 18,054	14,948 - 17,151	16,522 - 18,957	60,000+	-20°F	129	120 277	1.10 0.48
80	LED	80 PLED® Optical Module - 700mA	20,074 - 23,032	19,071 - 21,881	21,078 - 24,184	60,000+	-20°F	174	120 277	1.45 0.63
80	LED	80 PLED® Optical Module - 1050mA	27,651 - 31,725	26,268 - 30,139	29,033 - 33,311	60,000+	-20°F	266	120 277	2.22 0.96

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U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 3/3 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-PLED-IV-FT-80LED-525MA-NW-HS-PLED

Notes:

Type: R4-HS

LV - CENTRAL21-35393

SOLID STATE AREA LIGHTING

PROJECT NAME:

PROJECT TYPE:

RAZAR SERIES-LED

S P E C I F I C A T I O N S

OPTICAL HOUSING
Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling fins. The Optical Panel mounting surface is milled flat (surface variance <± .002") to facilitate thermal transfer of heat to housing and cooling fins. Solid barrier wall separates optical and electrical compartments. The optical and electrical compartments are integrated to create one assembly. Minimum wall thickness is .188".

ELECTRICAL HOUSING w/ INTEGRATED ARM
Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling ribs surrounding the electrical compartment and a flat surface on the top of the arm to accommodate a photocell receptacle. Solid barrier wall separates optical and electrical compartments. The optical compartment and electrical compartment with the integrated support arm combine to create one assembly. Minimum wall thickness is .188". Cast and hinged driver assembly cover is integrated with wiring compartment cover.

PLED® OPTICS
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

LED DRIVER(S)
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED EMITTERS
High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

AMBER LED's
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

MAST ARM FITTER/ELECTRICAL HOUSING
Replaces standard Electrical Housing. Fits standard 2 3/8" O.D. horizontal tenon. Two (2) straps with two (2) bolts each encircle the lower half of the tenon. Upper half of the tenon rests on self-centering steps that position the angle of the luminaire at 0°, +1.5°, +1.5 or +3° up from the horizontal. All hardware is stainless steel.

RAZAR
(MODELS: RZRM, RZR, RZR-G & RZR-MAF*) PATENT PENDING

RZR-G

RZR, RZRM & RZR-MAF* (Top View)

RZR & RZRM

RZR-MAF*

FIXTURE	A	B	C	D
RZR-G	15" 381mm	36.5" 927mm	3" 76mm	7" 187mm
RZR	14.75" 375mm	28.25" 718mm	2.75" 70mm	6.5" 165mm
RZRM	11.5" 292mm	22" 559mm	2.5" 64mm	5.25" 133mm
RZR-MAF	15" 381mm	28.25" 724mm	2.5" 64mm	4" 102mm

*DLC PENDING AS OF 7/19

2020248

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U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 1/4 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-PLED-IV-FT-80LED-525MA-NW-HS-PLED

Notes:

Type: R4-HS

LV - CENTRAL21-35393

RAZAR SERIES-LED

S P E C I F I C A T I O N S

WALLMOUNT

CAST ALUMINUM ARM AND WALL BRACKET ASSEMBLY PROVIDED WITH BUILT IN GASKETED WIRE ACCESS FOR FIXTURE/SUPPLY WIRE CONNECTION.

PLED® MODULES

RZR-G E.P.A.= 0.76 Available in: 120 LED Module Max — 120 LED Module

RZR E.P.A.= 0.67 Available in: 80 LED Module Max — 80 LED Module

WALL PLATE — 7" SQ. (178mm); 5.50" (140mm); 5.50" (140mm); .50" DIA. (13mm) (4) HOLES

POLE DRILLING TEMPLATE — 2" (51mm); 1.25" (32mm); 2.75" (70mm) FOR RZRM; 4" (102mm) WIREWAY FOR RZR; .563" DIA. (14mm); .406" DIA. (10mm) (3) HOLES

RZRM E.P.A.= 0.45 Available in: 48 LED Module Max — 48 LED Module

Spec/Order Example: RZR/PLED-IV/80LED-700mA/CW/277/RAL-8019-S

S P E C / O R D E R I N G I N F O R M A T I O N

MODEL	OPTICS	LED MODE	VOLTAGE	FINISH	OPTIONS
☐ RZR-G ☐ RZR (selected) ☐ RZR-MAF[1] ☐ RZRM	☐ TYPE II PLED-II ☐ TYPE II FRONT ROW PLED-II-FR ☐ TYPE II MEDIAN ILLUMINATOR PLED-II-ML ☐ TYPE III MED. PLED-III-M ☐ TYPE III WIDE PLED-III-W ☐ TYPE IV PLED-IV ☐ TYPE IV PLED-IV-FT (selected) ☐ TYPE V NARROW PLED-VSQ-N ☐ TYPE V MED. PLED-V-SQ-M ☐ TYPE V WIDE PLED-V-SQ-W	NO. LEDs: RZR-G ☐ 120LED ☐ 80LED; RZR ☐ 80LED (selected) ☐ 40LED; RZRM ☐ 48LED ☐ 24LED DRIVE CURRENT: ☐ 350mA ☐ 525mA (selected) ☐ 700mA[2] ☐ 1050mA[2] COLOR TEMP - CCT: ☐ NW (4000K)* *STANDARD (selected) ☐ CW (5000K) ☐ WW (3000K); CONSULT FACTORY FOR OTHER LED COLORS AMBER[3]: ☐ PHOSPHOR CONVERTED AMBER PCA ☐ TRUE AMBER[4] TRA	☐ 120 ☐ 208 ☐ 240 ☐ 277 ☐ 347 ☐ 480 PLEASE SPECIFY	STANDARD TEXTURED FINISH ☐ BLACK RAL-9005-T ☐ WHITE RAL-9003-T ☐ GREY RAL-7004-T ☐ DARK BRONZE RAL-8019-T ☐ GREEN RAL-6005-T FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S) CONSULT FACTORY FOR CUSTOM COLORS	☐ HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NONINTEGRATED MOTION SENSOR ... HLSW ☐ INTERNAL HOUSE SIDE SHIELD ... HS-PLED (selected) ☐ PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ... PC+V ☐ TWIST LOCK RECEPTACLE ONLY ... TPR ☐ 7-PIN TWIST LOCK RECEPTACLE ONLY ... TPR7 ☐ SINGLE FUSE (120V, 277V, 347V) ... SF ☐ DOUBLE FUSE (208V, 240V, 480V) ... DF ☐ STEP DIM MOTION SENSOR (PROGRAMMED 50/100) ... MS-F211 ☐ REMOTE MOTION SENSOR CONFIGURATOR ... MS-FC10

NOTES: 1 - DLC PENDING AS OF 7/19

NOTES: 2 - 700mA and 1050mA NOT FOR USE WITH TRA LED'S. 3 - NARROW BAND AMBERS HAVE NO DEFINABLE CCT EQUIVALENT. 4 - AVAILABLE IN 350mA & 525mA DRIVE CURRENTS ONLY

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U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 2/4 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-PLED-IV-FT-80LED-525MA-NW-HS-PLED

Notes:

Type: R4-HS

LV - CENTRAL21-35393

RAZAR SERIES-LED LED/ELECTRICAL GUIDE (pg.1)

Approximate Average Lumens – 4000K (Lumens median of all distributions)

	350mA Watts	Lumens	HID Eq.	525mA Watts	Lumens	HID Eq.	700mA Watts	Lumens	HID Eq.	1050mA Watts	Lumens	HID Eq.
24	28	3541	50	41	5058	70-100	53	6567	100	81	8773	150-175
40	45	5997	70-100	66	8653	100-150	87	10995	175	134	14647	200-250
48	55	7046	100	81	10018	150-175	105	12600	200	160	17566	250
80	87	11622	175-200	131	16736	200-250	174	21235	400	266	28190	450-575
120	127	17405	250	195	24860	450	260	31592	575-750	396	43323	750-1000

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K CCT	INITIAL LUMENS - 3000K CCT	INITIAL LUMENS - 5000K CCT	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
24	LED	24 PLED® Optical Module - 350mA	3,298 - 3,784	3,133 - 3,595	3,463 - 3,973	60,000+	-20°F	29	120 277	0.24 0.10
24	LED	24 PLED® Optical Module - 525mA	4,711 - 5,405	4,475 - 5,135	4,947 - 5,675	60,000+	-20°F	42	120 277	0.34 0.15
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24	LED	24 PLED® Optical Module - 1050mA	8,171 - 9,375	7,762 - 8,906	8,580 - 9,844	60,000+	-20°F	82	120 277	0.68 0.30
40	LED	40 PLED® Optical Module - 350mA	5,585 - 6,408	5,306 - 6,088	5,864 - 6,729	60,000+	-20°F	43	120 277	0.38 0.17
40	LED	40 PLED® Optical Module - 525mA	8,059 - 9,246	7,656 - 8,784	8,462 - 9,709	60,000+	-20°F	65	120 277	0.55 0.24
40	LED	40 PLED® Optical Module - 700mA	10,240 - 11,749	9,728 - 11,162	10,752 - 12,337	60,000+	-20°F	87	120 277	0.73 0.32
40	LED	40 PLED® Optical Module - 1050mA	13,642 - 15,652	12,960 - 14,870	14,324 - 16,435	60,000+	-20°F	128	120 277	1.12 0.49
48	LED	48 PLED® Optical Module - 350mA	6,562 - 7,529	6,234 - 7,153	6,890 - 7,909	60,000+	-20°F	53	120 277	0.46 0.20
48	LED	48 PLED® Optical Module - 525mA	9,330 - 10,705	8,864 - 10,170	9,797 - 11,240	60,000+	-20°F	79	120 277	0.68 0.29
48	LED	48 PLED® Optical Module - 700mA	11,735 - 13,464	11,148 - 12,791	12,322 - 14,137	60,000+	-20°F	106	120 277	0.88 0.38
48	LED	48 PLED® Optical Module - 1050mA	16,360 - 18,771	15,542 - 17,832	17,178 - 19,709	60,000+	-20°F	160	120 277	1.33 0.58
RZR										
80	LED	80 PLED® Optical Module - 350mA	10,824 - 12,419	10,283 - 11,798	11,365 - 13,040	60,000+	-20°F	86	120 277	0.75 0.33
80	LED	80 PLED® Optical Module - 525mA	15,587 - 17,884	14,808 - 16,990	16,366 - 18,778	60,000+	-20°F	130	120 277	1.10 0.48
80	LED	80 PLED® Optical Module - 700mA	19,767 - 22,680	18,779 - 21,546	20,755 - 23,814	60,000+	-20°F	174	120 277	1.45 0.63
80	LED	80 PLED® Optical Module - 1050mA	26,255 - 30,124	24,942 - 28,618	27,568 - 31,630	60,000+	-20°F	257	120 277	2.22 0.96
RZR-G										
80	LED	80 PLED® Optical Module - 350mA	10,950 - 12,564	10,403 - 11,936	11,498 - 13,192	60,000+	-20°F	87	120 277	0.75 0.33
80	LED	80 PLED® Optical Module - 525mA	15,735 - 18,054	14,948 - 17,151	16,522 - 18,957	60,000+	-20°F	129	120 277	1.10 0.48
80	LED	80 PLED® Optical Module - 700mA	20,074 - 23,032	19,071 - 21,881	21,078 - 24,184	60,000+	-20°F	174	120 277	1.45 0.63
80	LED	80 PLED® Optical Module - 1050mA	27,651 - 31,725	26,268 - 30,139	29,033 - 33,311	60,000+	-20°F	266	120 277	2.22 0.96

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U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 3/4 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-PLED-IV-FT-80LED-525MA-NW-HS-PLED

Notes:

Type: R4-HS

LV - CENTRAL21-35393

RAZAR SERIES-LED LED/ELECTRICAL GUIDE (pg.2)

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K CCT	INITIAL LUMENS - 3000K CCT	INITIAL LUMENS - 5000K CCT	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
120	LED	120 PLED® Optical Module - 350mA	16,211 - 18,599	15,400 - 17,669	17,021 - 19,529	60,000+	-20°F	130	120 277	1.06 0.46
120	LED	120 PLED® Optical Module - 525mA	23,154 - 26,566	21996 - 25,238	24,312 - 27,894	60,000+	-20°F	192	120 277	1.63 0.70
120	LED	120 PLED® Optical Module - 700mA	29,424 - 33,760	27,953 - 32,072	30,895 - 35,448	60,000+	-20°F	260	120 277	2.17 0.94
120	LED	120 PLED® Optical Module - 1050mA	40,350 - 46,296	38,333 - 43,981	42,368 - 48,611	60,000+	-20°F	398	120 277	3.33 1.43

NOTES:
1. Max Input Amps is the highest of starting, operating, or open circuit currents.
2. Lumen values for LED Modules vary according to the distribution type. 80LED array appears in both the RZR and RZR-G models.
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use surge suppressor supplied with luminaire. Note: Surge suppressors are considered a perishable device.
5. L70(10K) – TM-21 6x rule applied.

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

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Submitted On: Oct 21, 2021 4/4 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: SNS-15-40-11-AB-D19

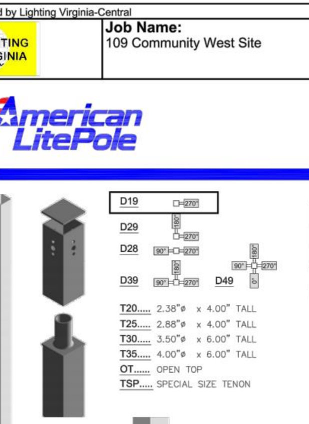
Notes:

Type: 15' S POLE

LV - CENTRAL21-35393

American LitePole

SNS SQUARE NON-TAPERED STEEL



D19, D29, D28, D39, D49

T20...... 2.38"ø x 4.00" TALL
T25...... 2.88"ø x 4.00" TALL
T30...... 3.50"ø x 6.00" TALL
T35...... 4.00"ø x 6.00" TALL
OT...... OPEN TOP
TSP...... SPECIAL SIZE TENON

PROJECT NAME: | TYPE:
QUOTE / ORDER No:
APPROVED BY: | DATE:

SPECIFICATIONS

POLE SHAFT:
The pole shaft is fabricated from hot rolled commercial quality carbon steel of one piece construction with a minimum yield strngth of 55,000 psi.

BASE PLATE:
The base plate is fabricated from a structural quality hot rolles carbon steel plate that meets or exceeds ASTM A-36 with a minimum yield strength of 36,000 psi. The base plate telescopes the pole shaft and is circumferential welded top and bottom

BASE COVER:
The two-piece standard full base cover is fabricated from ABS plastic. Optional two-piece steel base cover also available.

ANCHOR BOLTS:
Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end in accordance with ASTM A-153.

HANDHOLE:
A reinforced hand hole, having a nominal opening of 2.5"x 5" or 3"x 5" will be installed 18" above the base plate. A hand hole cover with hardware will be included along with grounding provisions.

POLE TOP:
Each pole will be provided with a welded top plate and tenon or top cap for poles receiving drilling for side mount fixtures.

FINISH:
Standard color finishes shall be coated with TGIC polyester powder or hot dip galvanized to ASTM A-123 specifications.

NOTE: ANCHOR BOLT PATTERNS ARE SUBJECT TO CHANGE. CONSULT FACTORY PRIOR TO CONSTRUCTION.

(SNS) Square Straight Anchor Base	POLE DIMENSIONS					BASE DETAIL						ALLOWABLE MAX EPA[1] & WEIGHT (lbs)															
						BASE PLATE			ANCHOR BOLTS			80 MPH		90 MPH		100 MPH		110 MPH		120 MPH		130 MPH		140 MPH		150 MPH	
ALP CATALOG #	HGT (FT)	Base OD (in)	Top OD (in)	Wall Thk (GA)	Structure Weight (lbs)	SQ (in)	THK (in)	Bolt Circle	Template	Ø	L	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT
SNS-10-40-11	10	4.00	4.00	11	75	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	30.6	765	23.8	595	18.9	473	15.0	375	12.2	305	10.0	250	8.4	210	7.1	178
SNS-12-40-11	12	4.00	4.00	11	90	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	24.4	610	18.8	470	14.8	370	11.5	288	9.3	233	7.5	188	6.2	155	5.0	125
SNS-14-40-11	14	4.00	4.00	11	100	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	19.9	498	15.1	378	11.7	293	9.1	228	7.1	180	5.6	140	4.4	110	3.4	85
SNS-15-40-11	15	4.00	4.00	11	110	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	17.2	430	13.2	330	10.0	250	8.0	200	6.2	155	4.8	120	3.7	93	2.7	68
SNS-16-40-11	16	4.00	4.00	11	115	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	15.9	398	11.8	295	8.9	223	6.8	170	5.2	130	3.9	98	2.9	73	1.9	48
SNS-18-40-11	18	4.00	4.00	11	125	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	12.6	315	9.2	230	6.5	168	5.0	125	3.6	90	2.1	60	1.3	33	-	-
SNS-20-40-11	20	4.00	4.00	11	140	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	9.6	240	6.7	167	4.5	150	3.5	88	2.0	50	0.8	20	-	-	-	-
SNS-20-40-7	20	4.00	4.00	7	240	8.25	0.88	8.00-9.00	ABT-085-4	0.75	17	15.0	375	11.0	275	9.0	225	7.6	190	5.8	145	4.5	113	3.4	85	2.5	63
SNS-20-50-11	20	5.00	5.00	11	185	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	17.7	443	12.7	343	9.4	235	7.0	175	5.0	125	3.5	88	2.2	55	0.9	25
SNS-20-50-7	20	5.00	5.00	7	265	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	28.1	703	21.4	535	16.2	405	12.3	308	9.5	235	7.3	183	5.6	140	4.2	105
SNS-25-40-11	25	4.00	4.00	11	170	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	4.8	150	2.6	100	1.0	50	-	-	-	-	-	-	-	-	-	-
SNS-25-40-7	25	4.00	4.00	7	245	8.25	0.88	8.00-9.00	ABT-085-4	0.75	17	10.8	270	7.7	188	5.4	435	3.9	100	2.6	65	1.6	40	0.8	20	0.2	5
SNS-25-50-11	25	5.00	5.00	11	225	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	9.8	245	6.3	157	3.7	150	2.5	63	0.7	18	-	-	-	-	-	-
SNS-25-50-7	25	5.00	5.00	7	360	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	18.5	463	13.3	333	9.5	238	6.6	165	4.5	113	2.9	75	1.4	35	-	-
SNS-30-40-7	30	4.00	4.00	7	291	8.25	0.88	8.00-9.00	ABT-085-4	0.75	17	6.7	168	4.4	110	2.6	65	1.4	35	0.4	10	-	-	-	-	-	-
SNS-30-50-11	30	5.00	5.00	11	265	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	4.7	150	2.0	50	-	-	-	-	-	-	-	-	-	-	-	-
SNS-30-50-7	30	5.00	5.00	7	380	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	10.7	267	6.7	167	3.9	100	2.5	63	0.3	10	-	-	-	-	-	-
SNS-30-60-7	30	6.00	6.00	7	520	12.50	1.00	11.00-13.00	ABT-120-4	1.00	36	19.0	475	13.2	330	9.0	225	6.0	150	3.6	90	1.3	33	-	-	-	-
SNS-35-50-7	35	5.00	5.00	7	440	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	5.9	150	2.5	100	-	-	-	-	-	-	-	-	-	-	-	-
SNS-35-60-7	35	6.00	6.00	7	540	12.50	1.00	11.00-13.00	ABT-120-4	1.00	36	12.4	310	7.6	190	4.2	105	1.2	30	-	-	-	-	-	-	-	-
SNS-39-60-7	39	6.00	6.00	7	605	12.50	1.00	11.00-13.00	ABT-120-4	1.00	36	7.2	180	3.0	75	-	-	-	-	-	-	-	-	-	-	-	-

ORDERING CODE	CATALOG No.	BASE	FINISH	FIXTURE MOUNT	BASE COVER	OPTIONS	OPTIONS
	SNS-15-40-11	AB	PLATINUM SILVER	D19	BC		
		AB–ANCHOR BOLT LAB–LESS ANCHOR BOLTS	DB–DARK BRONZE MB–MEDIUM BRONZE WH–WHITE BL–BLACK LG–LIGHT GRAY SM–SILVER METALLIC SL–SILVER HG–HUNTER GREEN RD–RED G–GALVANIZED GPXX–PAINTED OVER GALV	D19 D28 D29 D32 D39 D49 T20 T25 T30 T35 OT TSP–ADVISE TC– TOP CAP ONLY	BC–PLASTIC (STD) BCS–STEEL BCA–ALUMINUM NC–NUT COVERS	XHH–EXTRA HANDHOLE FES–FESTOON (GFI BY OTHERS) DMP–VIBRATION DAMPER CP50–.50" COUPLING CP75–.75" COUPLING CP10–1.00" COUPLING CP20–2.00" COUPLING NP50–.50" NIPPLE NP75–.75" NIPPLE NP10–1.00" NIPPLE MBP–MODIFIED BASE PLATE	

MANUFACTURER TO CUTDOWN TO 12.5' WITH 30" CONCRETE BASE BY OTHERS FOR OVERALL HEIGHT OF 15'

PAINTED TO MATCH LUNIMAIRE

D19- DRILLED FOR SINGLE LUMINAIRE

AMERICAN LITE POLE 2800 S. HULEN, SUITE 200 – FORT WORTH, TX 76109 866-474-7200 WWW.ALPPOLES.COM

Submitted On: Oct 21, 2021 1/1 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-WM2-PLED-III-W-40LED-700MA-NW-XX-XX

Notes:

Type: WM3

LV - CENTRAL21-35393

SOLID STATE AREA LIGHTING

PROJECT NAME:

PROJECT TYPE:

RAZAR WALLMOUNT-LED

S P E C I F I C A T I O N S

OPTICAL HOUSING
Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling fins. The Optical Panel mounting surface is milled flat (surface variance <± .003") to facilitate thermal transfer of heat to housing and cooling fins. The Optical Housing bolts to the Electrical Housing forming a unified assembly. The minimum wall thickness is .188".

ELECTRICAL HOUSING
Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly. Minimum wall thickness is .188". Fixture Mounting Plate affixes to mounting surface over a recessed j-box. Electrical Housing anchors on the top edge of the Mounting Plate and stainless steel recessed socket head screws tighten the Electrical Housing to the Mounting Plate from the bottom.

PLED® OPTICAL MODULES
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. The asymmetric distributions, have a micro-reflector inside the refractor which re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce Type II, III, and Type IV site/area distributions as well as other specialty asymmetric distributions. Panels are field replaceable and field rotatable in 90° increments.

LED DRIVER(S)
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -30°C/-22°F Driver(s) is/are UL and cUL recognized and mounted to a driver assembly plate that has slotted holes to facilitate ease of assembly removal for fixture installation. Quick disconnects for incoming power and optical assembly power are provided. Drivers accept an input of 120-277V, 50/60Hz and utilize 0-10V dimming. 347V-480V, 50,60Hz also available on some models. Surge protector supplied for field installation at the most conveniently serviceable location.

LED EMITTERS
High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

AMBER LED's
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. **TRA** (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

FIXTURE	A	B	C
RZRW1	8.75" (222mm)	12" (305mm)	6" (152mm)
RZRW1-EM	11" (279mm)	14" (356mm)	6.5" (165mm)

RZR-WM1 PATENT PENDING

FIXTURE	A	B	C
RZRW2	16" (406mm)	12" (305mm)	6" (152mm)
RZRW2-EM	16" (406mm)	14" (356mm)	6.5" (165mm)

RZR-WM2 PATENT PENDING

FIXTURE	A	B	C
RZRW3	23" (584mm)	12" (305mm)	6" (152mm)
RZRW3-EM	23" (584mm)	14" (356mm)	6.5" (165mm)

RZR-WM3 PATENT PENDING

UL Listed for wet location

2018002

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U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 1/3 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-WM2-PLED-III-W-40LED-700MA-NW-XX-XX

Notes:

Type: WM3

LV - CENTRAL21-35393

RAZAR WALLMOUNT SERIES-LED

S P E C I F I C A T I O N S

EMERGENCY OPTION

EM Back Box is 2" deeper than standard housing

THE EMERGENCY OPTION BACK BOX EXTENDS 2" BEYOND THE STANDARD HOUSING AND CONTAINS THE EMERGENCY COMPONENTS (EC) INCLUDING BATTERIES.

THE EM-LED SYSTEM PROVIDES POWER TO ALL LEDS IN THE ARRAY (20, 40, or 60) TO MEET THE FOLLOWING LIGHT LEVELS FOR A MINIMUM OF 90 MINUTES -

WM1 = 45% @ 350MA
WM2 = 36% @ 350MA
WM3 = 24% @ 350MA

*MULTIPLY THE % ABOVE BY THE LUMEN OUTPUT @ 350MA

WALL MOUNTING — Mounting Bracket; Set Screw; Wall Plate Mounted to wall; Set Screw Lock

PLED® MODULES

RZR-WM3-LED E.P.A.= .69 Available in: 60 LED Module — 60 LED Module

RZR-WM2-LED E.P.A.= .47 Available in: 40 LED Module — 40 LED Module

RZR-WM1-LED E.P.A.= .33 Available in: 20LED Module — 20 LED Module

MAX INPUT WATTAGE

# OF LED's	DRIVE CURRENT 350mA	525mA	700mA	1050mA
60	68W	99W	131W	198W
40	45W	66W	87W	134W
20	23W	33W	44W	66W

Spec/Order Example: RZR-WM2/PLED-IV/40LED-700mA/CW/277/RAL-8019-S/SF

S P E C / O R D E R I N G I N F O R M A T I O N

MODEL	OPTICS	LED MODE	VOLTAGE	FINISH	OPTIONS
☐ RZR-WM1 ☐ RZR-WM2 (selected) ☐ RZR-WM3	PLED® DISTRIBUTION TYPE ☐ TYPE II PLED-II ☐ TYPE II FRONT ROW PLED-II-FR ☐ TYPE III PLED-III ☐ TYPE III WIDE PLED-III-W (selected) ☐ TYPE IV PLED-IV ☐ TYPE IV-FT PLED-IV-FT	NO. LEDs: RZR-WM1 ☐ 20LED; RZR-WM2 ☐ 40LED (selected); RZR-WM3 ☐ 60LED DRIVE CURRENT: ☐ 350mA ☐ 525mA ☐ 700mA[1] (selected) ☐ 1050mA[1] COLOR TEMP - CCT: ☐ NW (4000K)* *STANDARD (selected) ☐ CW (5000K) ☐ WW (3000K); CONSULT FACTORY FOR OTHER LED COLORS AMBER[2]: ☐ PHOSPHOR CONVERTED AMBER PCA ☐ TRUE AMBER[3] TRA	☐ 120 ☐ 208 ☐ 240 ☐ 277 ☐ 347 ☐ 480 PLEASE SPECIFY	STANDARD TEXTURED FINISH ☐ BLACK RAL-9005-T ☐ WHITE RAL-9003-T ☐ GREY RAL-7004-T ☐ DARK BRONZE RAL-8019-T ☐ GREEN RAL-6005-T FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S) PLEASE SPECIFY CONSULT FACTORY FOR CUSTOM COLORS	☐ HIGH-LOW DIMMING FOR EXTERNAL CONTROL ... HLSW ☐ HOUSE SIDE SHIELDING ... HS-PLED ☐ PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ... PC+V ☐ SINGLE FUSE (120V & 277V) ... SF ☐ DOUBLE FUSE (208V & 240V) ... DF ☐ EMERGENCY BACKUP 1 ... EM1 ☐ EMERGENCY BACKUP 1 (HOUSING ONLY) ... EMH1 ☐ EMERGENCY BACKUP 2 ... EM2 ☐ EMERGENCY BACKUP 3 ... EM3 ☐ SURFACE CONDUIT 1 ... SC1 ☐ SURFACE CONDUIT 2 ... SC2 ☐ SURFACE CONDUIT 3 ... SC3

NOTES: 1 - 700mA and 1050mA NOT FOR USE WITH TRA LED'S. 2 - NARROW BAND AMBERS HAVE NO DEFINABLE CCT EQUIVALENT. 3 - AVAILABLE IN 350mA & 525mA DRIVE CURRENTS ONLY

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U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 2/3 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-WM2-PLED-III-W-40LED-700MA-NW-XX-XX

Notes:

Type: WM3

LV - CENTRAL21-35393

RAZAR WALLMOUNT-LED LAMP/ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)-TM21	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
20	LED	20 PLED® Optical Module - 350mA	2,501 – 2,789	2,189 – 2,442	2,561 – 2,857	60,000+	-20°F	23	120 277	0.24 0.10
20	LED	20 PLED® Optical Module - 525mA	3,523 – 3,930	3,085 – 3,441	3,608 – 4,025	60,000+	-20°F	33	120 277	0.34 0.15
20	LED	20 PLED® Optical Module - 700mA	4,411 – 4,920	3,862 – 4,308	4,517 – 5,039	60,000+	-20°F	44	120 277	0.45 0.20
20	LED	20 PLED® Optical Module - 1050mA	5,797 – 6,466	5,075 – 5,661	5,937 – 6,622	60,000+	-20°F	66	120 277	0.68 0.30
40	LED	40 PLED Optical Module - 350mA	5,002 – 5,579	4,379 – 4,884	5,122 – 5,713	60,000+	-20°F	45	120 277	0.38 0.17
40	LED	40 PLED® Optical Module - 525mA	7,047 – 7,860	6,170 – 6,881	7,216 – 8,049	60,000+	-20°F	66	120 277	0.55 0.24
40	LED	40 PLED® Optical Module - 700mA	8,822 – 9,840	7,724 – 8,615	9,034 – 10,077	60,000+	-20°F	87	120 277	0.73 0.32
40	LED	40 PLED® Optical Module - 1050mA	11,594 – 12,932	10,150 – 11,322	11,872 – 13,244	60,000+	-20°F	134	120 277	1.12 0.49
60	LED	60 PLED® Optical Module - 350mA	7,502 – 8,368	6,568 – 7,326	7,683 – 8,570	60,000+	-20°F	68	120 277	0.46 0.20
60	LED	60 PLED® Optical Module - 525mA	10,570 – 11,790	9,254 – 10,322	10,824 – 12,074	60,000+	-20°F	99	120 277	0.68 0.30
60	LED	60 PLED® Optical Module - 700mA	13,233 – 14,760	11,586 – 12,923	13,552 – 15,116	60,000+	-20°F	131	120 277	0.88 0.38
60	LED	60 PLED® Optical Module - 1050mA	17,391 – 19,398	15,226 – 16,983	17,810 – 19,866	60,000+	-20°F	198	120 277	1.31 0.57

NOTES:
1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components.
5. L70(10K) - TM-21 6x rule applied
L70(10K) - Calculated = 244,000 @ 700mA
= 102,000@ 1050mA

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

1) Max Input Amps is the highest of starting, operating, or open circuit currents
2) Lumen values for LED Modules vary according to the distribution type
3) System Watts includes the source watts and all driver components.
4) Fuse value should be sufficient to protect all wiring components.
5) L70(10K) - TM-21 6x rule applied
L70(10K) - Calculated = 244,000 @ 700mA
= 102,000@ 1050mA

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U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 3/3 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-WM2-PLED-IV-FT-40LED-700MA-NW-XX-XX

Notes:

Type: WM4

LV - CENTRAL21-35393

SOLID STATE AREA LIGHTING

PROJECT NAME:

PROJECT TYPE:

RAZAR WALLMOUNT-LED

S P E C I F I C A T I O N S

OPTICAL HOUSING
Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling fins. The Optical Panel mounting surface is milled flat (surface variance <± .003") to facilitate thermal transfer of heat to housing and cooling fins. The Optical Housing bolts to the Electrical Housing forming a unified assembly. The minimum wall thickness is .188".

ELECTRICAL HOUSING
Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly. Minimum wall thickness is .188". Fixture Mounting Plate affixes to mounting surface over a recessed j-box. Electrical Housing anchors on the top edge of the Mounting Plate and stainless steel recessed socket head screws tighten the Electrical Housing to the Mounting Plate from the bottom.

PLED® OPTICAL MODULES
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. The asymmetric distributions, have a micro-reflector inside the refractor which re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce Type II, III, and Type IV site/area distributions as well as other specialty asymmetric distributions. Panels are field replaceable and field rotatable in 90° increments.

LED DRIVER(S)
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -30°C/-22°F Driver(s) is/are UL and cUL recognized and mounted to a driver assembly plate that has slotted holes to facilitate ease of assembly removal for fixture installation. Quick disconnects for incoming power and optical assembly power are provided. Drivers accept an input of 120-277V, 50/60Hz and utilize 0-10V dimming. 347V-480V, 50,60Hz also available on some models. Surge protector supplied for field installation at the most conveniently serviceable location.

LED EMITTERS
High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

AMBER LED's
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

FIXTURE	A	B	C
RZRW1	8.75" (222mm)	12" (305mm)	6" (152mm)
RZRW1-EM	11" (279mm)	14" (356mm)	6.5" (165mm)

RZR-WM1 PATENT PENDING

FIXTURE	A	B	C
RZRW2	16" (406mm)	12" (305mm)	6" (152mm)
RZRW2-EM	16" (406mm)	14" (356mm)	6.5" (165mm)

RZR-WM2 PATENT PENDING

FIXTURE	A	B	C
RZRW3	23" (584mm)	12" (305mm)	6" (152mm)
RZRW3-EM	23" (584mm)	14" (356mm)	6.5" (165mm)

RZR-WM3 PATENT PENDING

UL Listed for wet location

2018002

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U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 1/3 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-WM2-PLED-IV-FT-40LED-700MA-NW-XX-XX

Notes:

Type: WM4

LV - CENTRAL21-35393

RAZAR WALLMOUNT SERIES-LED

S P E C I F I C A T I O N S

EMERGENCY OPTION

EM Back Box is 2" deeper than standard housing

THE EMERGENCY OPTION BACK BOX EXTENDS 2" BEYOND THE STANDARD HOUSING AND CONTAINS THE EMERGENCY COMPONENTS (EC) INCLUDING BATTERIES.

THE EM-LED SYSTEM PROVIDES POWER TO ALL LEDS IN THE ARRAY (20, 40, or 60) TO MEET THE FOLLOWING LIGHT LEVELS FOR A MINIMUM OF 90 MINUTES -

WM1 = 45% @ 350MA
WM2 = 36% @ 350MA
WM3 = 24% @ 350MA

*MULTIPLY THE % ABOVE BY THE LUMEN OUTPUT @ 350MA

WALL MOUNTING — Mounting Bracket; Set Screw; Wall Plate Mounted to wall; Set Screw Lock

PLED® MODULES

RZR-WM3-LED E.P.A.= .69 Available in: 60 LED Module — 60 LED Module

RZR-WM2-LED E.P.A.= .47 Available in: 40 LED Module — 40 LED Module

RZR-WM1-LED E.P.A.= .33 Available in: 20LED Module — 20 LED Module

MAX INPUT WATTAGE

# OF LED's	DRIVE CURRENT 350mA	525mA	700mA	1050mA
60	68W	99W	131W	198W
40	45W	66W	87W	134W
20	23W	33W	44W	66W

Spec/Order Example: RZR-WM2/PLED-IV/40LED-700mA/CW/277/RAL-8019-S/SF

S P E C / O R D E R I N G I N F O R M A T I O N

MODEL	OPTICS	LED MODE	VOLTAGE	FINISH	OPTIONS
☐ RZR-WM1 ☐ RZR-WM2 (selected) ☐ RZR-WM3	PLED® DISTRIBUTION TYPE ☐ TYPE II PLED-II ☐ TYPE II FRONT ROW PLED-II-FR ☐ TYPE III PLED-III ☐ TYPE III WIDE PLED-III-W ☐ TYPE IV PLED-IV ☐ TYPE IV-FT PLED-IV-FT (selected)	NO. LEDs: RZR-WM1 ☐ 20LED; RZR-WM2 ☐ 40LED (selected); RZR-WM3 ☐ 60LED DRIVE CURRENT: ☐ 350mA ☐ 525mA ☐ 700mA[1] (selected) ☐ 1050mA[1] COLOR TEMP - CCT: ☐ NW (4000K)* *STANDARD (selected) ☐ CW (5000K) ☐ WW (3000K); CONSULT FACTORY FOR OTHER LED COLORS AMBER[2]: ☐ PHOSPHOR CONVERTED AMBER PCA ☐ TRUE AMBER[3] TRA	☐ 120 ☐ 208 ☐ 240 ☐ 277 ☐ 347 ☐ 480 PLEASE SPECIFY	STANDARD TEXTURED FINISH ☐ BLACK RAL-9005-T ☐ WHITE RAL-9003-T ☐ GREY RAL-7004-T ☐ DARK BRONZE RAL-8019-T ☐ GREEN RAL-6005-T FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S) PLEASE SPECIFY CONSULT FACTORY FOR CUSTOM COLORS	☐ HIGH-LOW DIMMING FOR EXTERNAL CONTROL ... HLSW ☐ HOUSE SIDE SHIELDING ... HS-PLED ☐ PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ... PC+V ☐ SINGLE FUSE (120V & 277V) ... SF ☐ DOUBLE FUSE (208V & 240V) ... DF ☐ EMERGENCY BACKUP 1 ... EM1 ☐ EMERGENCY BACKUP 1 (HOUSING ONLY) ... EMH1 ☐ EMERGENCY BACKUP 2 ... EM2 ☐ EMERGENCY BACKUP 3 ... EM3 ☐ SURFACE CONDUIT 1 ... SC1 ☐ SURFACE CONDUIT 2 ... SC2 ☐ SURFACE CONDUIT 3 ... SC3

NOTES: 1 - 700mA and 1050mA NOT FOR USE WITH TRA LED'S. 2 - NARROW BAND AMBERS HAVE NO DEFINABLE CCT EQUIVALENT. 3 - AVAILABLE IN 350mA & 525mA DRIVE CURRENTS ONLY

U.S. Architectural Lighting 660 West Avenue O, Palmdale, CA 93551 Phone (661) 233-2000 Fax (661) 233-2001 www.usaltg.com

U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 2/3 Index Page

Submitted by Lighting Virginia-Central

Job Name: 109 Community West Site

Catalog Number: RZR-WM2-PLED-IV-FT-40LED-700MA-NW-XX-XX

Notes:

Type: WM4

LV - CENTRAL21-35393

RAZAR WALLMOUNT-LED LAMP/ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)-TM21	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
20	LED	20 PLED® Optical Module - 350mA	2,501 – 2,789	2,189 – 2,442	2,561 – 2,857	60,000+	-20°F	23	120 277	0.24 0.10
20	LED	20 PLED® Optical Module - 525mA	3,523 – 3,930	3,085 – 3,441	3,608 – 4,025	60,000+	-20°F	33	120 277	0.34 0.15
20	LED	20 PLED® Optical Module - 700mA	4,411 – 4,920	3,862 – 4,308	4,517 – 5,039	60,000+	-20°F	44	120 277	0.45 0.20
20	LED	20 PLED® Optical Module - 1050mA	5,797 – 6,466	5,075 – 5,661	5,937 – 6,622	60,000+	-20°F	66	120 277	0.68 0.30
40	LED	40 PLED Optical Module - 350mA	5,002 – 5,579	4,379 – 4,884	5,122 – 5,713	60,000+	-20°F	45	120 277	0.38 0.17
40	LED	40 PLED® Optical Module - 525mA	7,047 – 7,860	6,170 – 6,881	7,216 – 8,049	60,000+	-20°F	66	120 277	0.55 0.24
40	LED	40 PLED® Optical Module - 700mA	8,822 – 9,840	7,724 – 8,615	9,034 – 10,077	60,000+	-20°F	87	120 277	0.73 0.32
40	LED	40 PLED® Optical Module - 1050mA	11,594 – 12,932	10,150 – 11,322	11,872 – 13,244	60,000+	-20°F	134	120 277	1.12 0.49
60	LED	60 PLED® Optical Module - 350mA	7,502 – 8,368	6,568 – 7,326	7,683 – 8,570	60,000+	-20°F	68	120 277	0.46 0.20
60	LED	60 PLED® Optical Module - 525mA	10,570 – 11,790	9,254 – 10,322	10,824 – 12,074	60,000+	-20°F	99	120 277	0.68 0.30
60	LED	60 PLED® Optical Module - 700mA	13,233 – 14,760	11,586 – 12,923	13,552 – 15,116	60,000+	-20°F	131	120 277	0.88 0.38
60	LED	60 PLED® Optical Module - 1050mA	17,391 – 19,398	15,226 – 16,983	17,810 – 19,866	60,000+	-20°F	198	120 277	1.31 0.57

NOTES:
1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components.
5. L70(10K) - TM-21 6x rule applied
L70(10K) - Calculated = 244,000 @ 700mA
= 102,000@ 1050mA

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

1) Max Input Amps is the highest of starting, operating, or open circuit currents
2) Lumen values for LED Modules vary according to the distribution type
3) System Watts includes the source watts and all driver components.
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U.S. ARCHITECTURAL LIGHTING

Submitted On: Oct 21, 2021 3/3 Index Page

REVISIONS		
No.	REVISIONS	DATE	BY

Kimley»Horn

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1700 WILLOW LAWN DR, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113342000
DATE 03/01/2022
SCALE AS SHOWN
DESIGNED BY SMP
DRAWN BY STM
CHECKED BY RRP

LIGHTING DETAILS

CHIPOTLE

PREPARED FOR

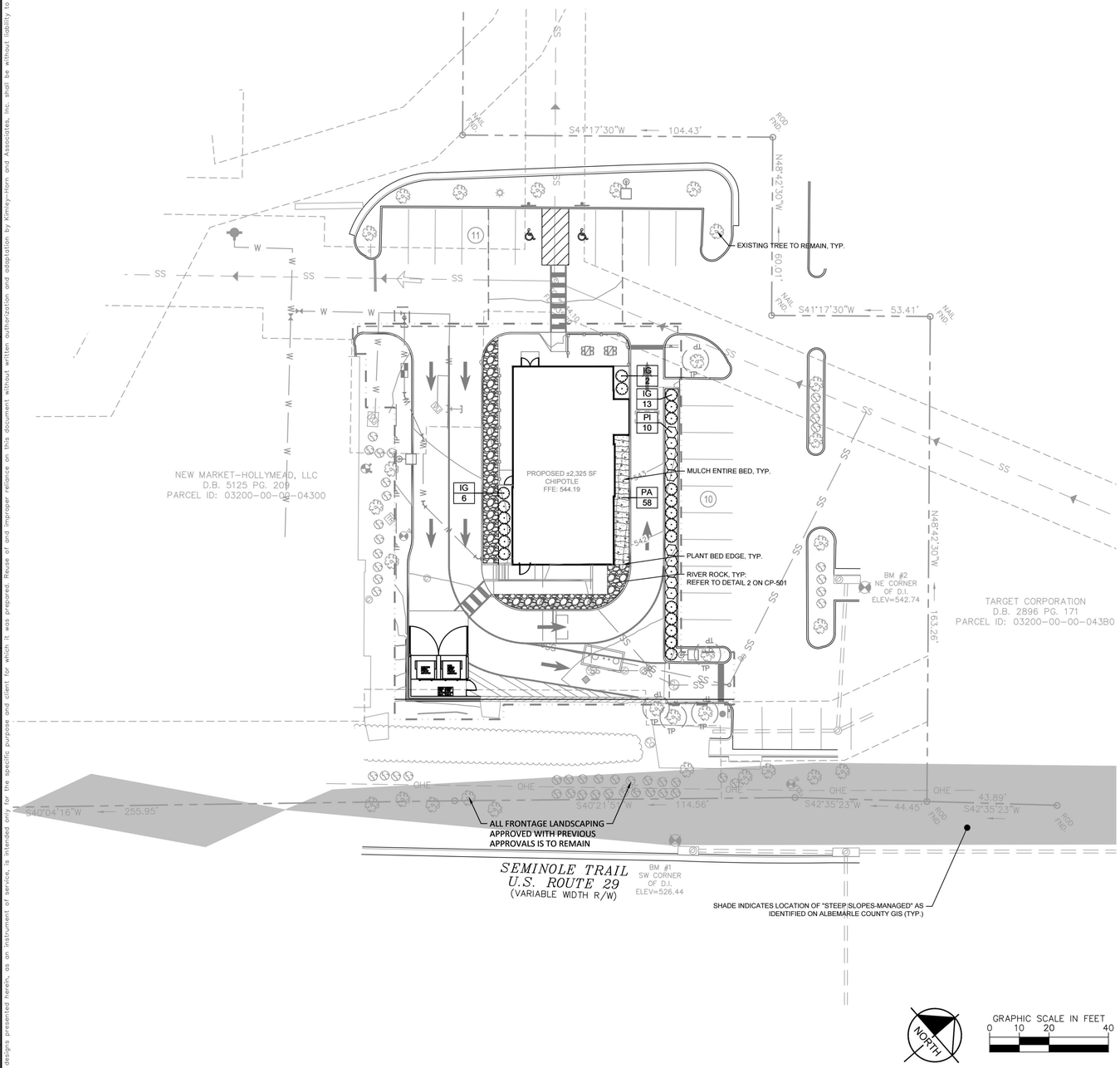
NEW MARKET PROPERTIES

ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER

CL-501

Plotted By: McCray, Stephen Sheet Set: Kha Layout: CL-501 LIGHTING DETAILS March 01, 2022 09:43:55am K:\RIC_CIV\113342000 – Hollymead Chipotle – Ablemarle\CAD\PlanSheets\CL-501 LIGHTING 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.



PLANT SCHEDULE

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT	REMARKS
IG	23	Ilex glabra 'Shamrock'	Shamrock Inkberry Holly	Cont.	24" HT MIN.	
PI	10	Prunus laurocerasus 'Mount Vernon'	Mount Vernon English Laurel	Cont.	24" HT MIN.	
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	REMARKS
PA	58	Pennisetum alopecuroides 'Hameln'	Hameln Fountain Grass	#1	24" O.C.	

NOTE:
- ALL SITE PLANTINGS OF TREES AND SHRUBS SHALL BE ALLOWED TO REACH, AND BE MAINTAINED AT, MATURE HEIGHT; THE TOPPING OF TREES IS PROHIBITED. SHRUBS AND TREES SHALL BE PRUNED MINIMALLY AND ONLY TO SUPPORT THE OVERALL HEALTH OF THE PLANT.
- ALL DISTURBED AREAS, NOT DENOTED AS PAVEMENT, MULCH OR PLANTINGS, SHALL BE SEEDED AS PERMANENT LAWN.

CHIPOTLE TREE CANOPY REQUIREMENT CALCULATIONS - SEC. 32.7.9.8

Required SF	*Calulation*	*Provided*
10% of gross site size	N/A	Requirement met by existing vegetation

CHIPOTLE ALBEMARLE COUNTY - ENTRANCE CORRIDOR OVERLAY DISTRICT AND SEC. 32.7.9.5

Location and Requirement	*Width (LF)*	*LF*	*Required*	*Provided*
North Property Line (Same Parcel) Interior - No Setback Required	N/A	N/A	*N/A*	*N/A*
West Property Line (Same Parcel) Interior - No Setback Required	N/A	N/A	*N/A*	*N/A*
South Property Lines (Route 29 - Seminole Trail) 10' Landscape setback along road. Large shage street tree (3.5" Cal.) OC w/ interspersed ornamentals (8' Ht.) & Shrubs 5' OC.	10	114	*2.3* Large Deciduous Tree (1 per 35 LF) *22.8* Shrubs (1 per 5 LF)	*Requirement met by existing vegetation*
East Property Lines (Same Parcel) Interior - No Setback Required	N/A	N/A	N/A	N/A

CHIPOTLE PARKING LOT LANDSCAPE REQUIREMENT - ENTRANCE CORRIDOR OVERLAY AND SEC. 32.7.9.6

Required SF	*Paved Parking/Vehicular Circulation Area within LOD*	*Required Trees*	*Calulation*	*Provided*
5% of parking paved area.		1 Tree for every 10 parking spaces provided	N/A	Requirement met by existing vegetation

CHIPOTLE ALBEMARLE COUNTY - MAX. PAVED AREAS

TOTAL LOD (AC.)	*TOTAL PAVED AREAS (AC.)*	*% PAVED*
0.30	0.14	46.6

NOTES:
- LANDSCAPE CALCULATIONS FOR THIS SITE HAVE BEEN CALCULATED BASED ON THE ORIGINAL SITE PLAN FOR THE ENTIRE PARCEL.
- ALL REQUIREMENTS HAVE BEEN MET BY EXISTING VEGETATION
- ARCHITECTURAL REVIEW BOARD DESIGN GUIDELINES - SPECIFICS:
  - LANDSCAPING OF BUILDINGS AND OTHER STRUCTURES: SHRUBS SHOULD BE USED TO INTEGRATE THE SITE, BUILDINGS, AND OTHER STRUCTURES; DUMPSTERS, ACCESSORY BUILDINGS AND STRUCTURES; "DRIVE THRU" WINDOWS; SERVICE AREAS; AND SIGNS. SHRUBS SHOULD MEASURE AT LEAST 24 INCHES IN HEIGHT.

GENERAL LANDSCAPING NOTES

1. ALL LANDSCAPING SHALL BE INSTALLED BY THE FIRST PLANTING SEASON FOLLOWING THE ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY WITHIN THE DEVELOPMENT.
2. ALL LANDSCAPING AND SCREENING SHALL BE MAINTAINED IN A HEALTHY CONDITION BY THE CURRENT OWNER OR A PROPERTY OWNERS' ASSOCIATION. REPLACEMENT MATERIAL SHALL COMPLY WITH THE APPROVED LANDSCAPE PLAN.
3. ALL SITE PLANTINGS OF TREES AND SHRUBS SHALL BE ALLOWED TO REACH, AND BE MAINTAINED AT, MATURE HEIGHT, THE TOPPING OF TREES IS PROHIBITED. SHRUBS AND TREES SHALL BE PRUNED MINIMALLY AND ONLY TO SUPPORT THE OVERALL HEALTH OF THE PLANT.
4. BOTH PROPOSED AND EXISTING LANDSCAPING PLANTS AND TREES ADJACENT TO SITE DISTANCE TRIANGLE NEED TO BE MAINTAINED BETWEEN 2 AND 7 FEED ABOVE GROUND AS CLEAR ZONE.
5. SEE SHEET CP-501 FOR PLANTING NOTES AND DETAILS

No.	REVISIONS	DATE	BY

Kimley»Horn

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COMMONWEALTH OF VIRGINIA
ELIZA GRACE MACHEK
Lic. No. 001682
09/01/2022
LANDSCAPE ARCHITECT

KHA PROJECT 113342000
DATE 03/01/2022
SCALE AS SHOWN
DESIGNED BY JTS
DRAWN BY JTS
CHECKED BY EGM

LANDSCAPE PLAN

CHIPOTLE
PREPARED FOR
NEW MARKET PROPERTIES
ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER
CP-101

Plotted By:McCoy, Stephen Sheet Set:Kha Layout:CP-101 LANDSCAPE PLAN March 01, 2022 09:44:20am K:\RIC_CIV\113342000 - Hollymead Chipotle - Albemarle\CAD\PlanSheets\CP-101 LANDSCAPE 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.

GENERAL NOTES

1. Plants shall be healthy, vigorous material, free of pests and diseases and are subject to approval/rejection of the Landscape Architect prior to, during and after installation.
2. Contractor shall identify all materials at growing location prior to purchase and submit digital photographs, and source list to the Landscape Architect for approval at a minimum of six (6) calendar weeks prior to installation. Plants not approved shall be resourced and resubmitted.
3. Planting beds and individual tree plantings shall be mulched continuously as specified.
4. Prior to construction the contractor shall be responsible for locating underground utilities and execute work in a manner that avoids damage to utilities during the course of work. Contractor shall be responsible or remedy of any damage to utilities, structures, site appurtenances that occur as a result of landscape related work.
5. Contractor is responsible for verifying quantities shown on documents. Field adjustments shall be approved by Landscape Architect prior to installation. Quantities indicated on drawings are for reference-it is the Contractor's responsibility to ensure full coverage of plants at the indicated spacing.
6. Contractor is responsible for maintenance of all plantings including, but not limited to watering, mowing, edging, spraying, mulching, fertilizing, of plantings and turf areas for one (1) calendar year from date of certificate of occupancy. Contractor is responsible for warranty of all plant material for a period of one (1) calendar year from date of certificate of occupancy. Warranty replacement planting shall meet or exceed the original specification identified on drawings. Replacement planting shall extend the same warranty as originally installed materials. Plantings and grass areas shall be flourishing and fully thriving at end of warranty period.
7. Plants identified for replacement by Owner, Landscape Architect shall be replaced immediately by the Contractor unless otherwise agreed upon. Plantings (trees, shrubs, groundcover) subject to replacement by warranty shall exhibit characteristics of 30% dead-per individual plant, non-contributing or disease compromised. Grass areas suitable for acceptance shall demonstrate 85% sustained/consistent and continuous, densely established coverage.
   Contractor shall perform a site review at end of warranty period and provide the Owner with written documentation of the site, including plant health, warranty replacement items, and conditions that may be influencing plant health. Contractor shall remove from plants and site, all staking and guying material at end of warranty period.
8. Contractor shall comply with all local, state and federal requirements, codes and regulations related to the work undertaken.
9. All material including planting operation appurtenances shall be of domestic origin manufacture and sourced within 100 miles of the project site.
10. Contractor is responsible for coordination among trades operating on site. Coordination and if necessary resulting modifications to schedules are responsibility of the Contractor.

PERFORMANCE SPECIFICATION

I. PLANTS

A. General

1. Live healthy plants free of dead branches and parts
2. Free of disease, insect, injury and damage
3. Unbroken, intact, dense and solid rootballs and containers, without cracks, flat sides or previously repaired damage.
4. Free of girdling roots or rootbound/circling container conditions
5. Plants of consistent in growth habit and healthy character
6. Free of compromising growth conditions such as weak crotch connections, crossed branches, snags and scars
7. Point of origin growing location within 100 miles of project site
8. Graded, standards, caliper, sizes and stock consistent with *ANSI Z60.1, American Standard for Nursery Stock* most current edition
9. Species identified consistent with *Hortus Third: . Concise Dictionary of Plants Cultivated in the United States and Canada*, most current edition and *Manual of Woody Plants: Their Identification, Ornamental Characteristics, Culture, Propagation and Uses*, most current edition
10. All disturbed areas shall be grass seed unless otherwise identified on landscape plans

B. Trees:

1. Deciduous Single Trunk
   a. Full, straight and upright with consistent symmetrical natural branching pattern throughout
   b. Branching Height-seven (7) feet to lowest branch in two years unless otherwise required by local jurisdiction

2. Deciduous Multi-Trunk
   a. Full and upright with straight consistent symmetrical natural branching pattern throughout
   b. Canes evenly spaced and of similar growth habit
   c. Free of suckers and extraneous branching

3. Evergreen Single-Trunk
   a. Full and upright with continuous symmetrical dense natural habit
   b. Clear branching height twelve (12) inches above top of rootball
   c. Free of suckers and extraneous branching
   d. Do not shear or otherwise prune to shape plantings

C. Evergreen and Deciduous Shrubs

1. Full, dense and naturally symmetrical.
2. Consistent with container and/or balled and burlapped size
3. Free of suckers and extraneous branching
4. Do not shear or otherwise prune or shape plantings

D. Evergreen and Deciduous Groundcover

1. Full and dense in pots or flats

E. Perennials and Seasonal Color

1. Full and dense in pots or flats

F. Turf Grass

1. Subgrade

   a. Soil Mix-10% Compost, 90% topsoil by volume
   b. Preparation-loosen subgrade to a minimum depth of four (4) inches. Remove all non-natural materials including litter, stones, sticks and all items greater than ¾ inch in any dimension
   c. Preparation-spread soil mix at a depth of four (4) inches continuously to meet grade elevations shown on drawings. Allow for thickness of sod when applicable

2. Grass Sod

   a. Install not longer than twenty-four (24) hours from harvest
   b. Grass bed not less than two (2) inches in continuous thickness
   c. 100% continuous live sod coverage after first growing season and at end of warranty period.
   d. Of uniform non-varying density and continuous texture quality capable of growth and development immediately upon installation. Weed and noxious plant free
   e. Stagger installation rows and place aligned parallel to contours
   f. Fill joints solidly with planting bed preparation soil
   g. Provide anchor pins at twenty-four (24) inches on center for slopes greater than 4:1

3. Grass Seed

   a. Mix approved by the Landscape Architect
   b. Provide first and new of year seed crops in mix free of weed seeds and deleterious matter
   c. Provide seed mix not greater than 15% annual or perennial rye
   d. Coverage 85% continuous coverage live stand after first growing season and at end of warranty
   e. Replacement or overseeding mixes consistent with original application/installation
   f. Provide erosion blankets or other slope retention methods as noted on drawings

II. Materials and Appurtenances

A. Testing

1. Materials testing information/certificates/dated labels shall be current to the project and performed/certified not greater than 120 calendar previous days from current date of submittal for review

B. Top Soil

1. Neutral Ph balance 5.5 -7.5. Friable and containing 2.0-5.0% organic matter by dry weight. Continuously free of non-soil items such as stones, debris, sticks, trash, and deleterious matter greater than ¾ inch in any direction. Clay content shall not exceed 25%.Gravel content shall not exceed 10%. Silt shall not exceed 25%

C. Use of Existing Topsoil

1. Existing topsoil on-site may be repurposed with prior Owner approval. Contractor shall provide soil testing and additive program that demonstrates consistent performance and characteristics and composition as identified herein. Owner shall approve soil testing and soil amendment/additive methods and procedures

D. Shredded Hardwood Mulch

1. 100% organic shredded first year hardwood free of deleterious matter, rock, gravel and weed seed. Neutral Ph balance 5.5-7.5

E. Composted Pine Bark Fines

1. 100% organic ground pine bark with no particle dimension greater than ¾-inch and no greater than 10% wood content

F. Compost Ph

1. Balanced 5.0-8.5 mature, stable and weed free produced by natural aerobic decomposition. Free of visible contaminants and toxic substances. Not greater than 5% sand, silt, clay or rock by dry weight. Consistent with US-EPA CFR Title 40 Part 503 Standards for Class A biosolids

G. Compost Testing

1. Prior to delivery on-site, the following items are required for approval by Owner: Feedstock percentage in final compost product; statement that the products meets federal, state and local health safety requirements
2. Provide copy of lab analysis less than 120 calendar days old verifying that the product meets described physical requirements; chemical contaminants; Ph; physical contaminants; biological contaminants (including a statement that fecal coliform and salmonella testing and results comply with requirements of the US Composting Council Seal of Testing approval programs

H. Planting Mix

1. 85% topsoil and 15% Compost

I. Fertilizer

1. Granular 10% nitrogen, 6% Phosphorous, 4% Potassium granular form with 50% Nitrogen in organic form. Product and Material Safety Data as approved by Owner

J. Herbicide

1. Product and Material Safety Data as approved by Owner

K. Water

1. Potable only unless otherwise approved by Owner

L. Hardwood Stakes

1. 2 x 2 x 48 inch square of sound hardwood, painted flat black on all sides

M. Tree Ties

1. Villa Non-Abrasive Rubber Tree Ties or approved equal

N. Filter Fabric

1. Mirafi 140-N or approved equal

O. Steel Edging

1. 1/8-inch x 4-inch in full sections. Ryerson, Timec or approved equal with integral stakes. No open corners. Corners shall be formed and trued to compliant angle or welded closed

P. River Stone

1. Locally sourced, river rounded, unfaceted river stone/cobbles.
2. Size shall not exceed 3 total inches in any dimension.
3. Color and texture approved by Owner
4. When placed in concrete or mortar setting bed, tamp to secure and brush clear joints.
5. Concrete or mortar as approved by owner.

III. Execution

A. Site Conditions

1. Inspect site and notify Owner in writing of acceptance with indication that project conditions are acceptable are suitable to proceed with work. Notify Owner of any existing damage and/or other conflicting conditions.
2. Do not proceed with work until unsatisfactory conditions have been satisfactorily remedied. Notify Owner of acceptance prior to commencement of work.
3. Notify Owner in writing of any conditions that may preclude successful completion of work including items such as coordination with other trades, incomplete work, drainage, soil temperature and/or composition, access to storage/work areas, damage to conditions, etc.
4. Notify Owner in writing immediately of any items that may influence work schedule, timing of tasks, materials delivery and/or installation and warranty responsibilities.
5. Coordinate and cooperate with other trades working in and adjacent to work areas. Examine drawings of other trades which show development of the entire project and become familiar with the scope of required work by others.

B. Planting Seasons

Recommended seasons are a general guide based on historical climatic data and typical performance of plantings, and which vary dependent on project-specific environmental conditions. Due to construction schedules, recommended planting seasons may/may not coincide with request(s) for certificate of occupancy for projects. Coordination of planting installation and seasons shall be reviewed with Owner on an individual project basis.

1. Deciduous and Evergreen Trees

a. Do not install/plant the following trees between September 15 and March 15
1. Oaks (Quercus Sp., Such as Q. rubra, Q. alba, Q. phellos, Q. coccinnea)
2. Dogwood (Cornus Sp.)
3. Sweetgum (Liquidambar Sp.)
4. All Conifers and Evergreens except White Pine (Pinus strobus Sp.)

2. Deciduous and Evergreen Shrubs

a. Install/plant between March 15 and June 15 and/or September 15 and November 30

3. Perennials

a. Install/plant between March 15 and June 15 and/or September 15 and November 30

4. Spring Flowering Bulbs

a. Install/plant between September 15 and December 15

5. Seasonal Annuals

a. Install/plant in season per approved schedule

6. Turf Grass

a. Install/plant between March 15 and May 15 and/or September 15 and November 30
b. Do not install/plant seed or sod turf grass areas when ambient air temperature is below forty (40) degrees Fahrenheit, or forecast for a twelve (12) hour period after completion of work

7. No Plant Installation

a. Do not install plantings or turf grass between June 15 and September 15, without approval by Owner

C. Positioning & Location of Plantings

1. Position plants to show the most-prominent and well-formed face to most-public view
2. Field locate plants and location/spacing/dimension of planting beds on project site prior to beginning installation
3. Verify location of individual plants and plant beds prior to beginning installation. Do not proceed without Owner approval

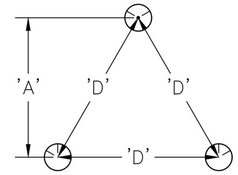
D. Implementation

1. Pursue work continuously without delay or interruption until completion unless notified otherwise by Owner
2. Provide project submittals ahead of commencement of work. Landscape Architect requires a minimum of ten (10) working days from date of receipt for review of submittals and response to Owner and Contractor. Plan accordingly for procurement of materials
3. Continuously update implementation schedule and notify Owner of progress. Delays related to material availability are not cause for non-completion of scheduled delivery of work
4. Report delays due to weather or site conditions immediately upon finding. Provide recommendation for remedy of schedule delays. Do not work, place or modify frozen soil
5. Report delays due to extraordinary natural or other conditions beyond control of Contractor

E. Clean Up

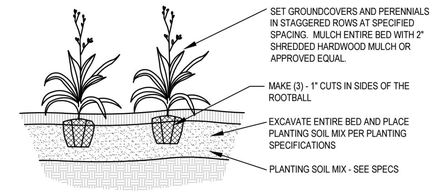
1. Remove trash, debris and work materials from site prior to request for substantial completion. Thoroughly clean surfaces impacted by work including building, parking areas, roadways, sidewalks, signs, lights, site furnishings, etc.
2. Repair any damage to existing conditions that occurred during execution of work.
3. All clean-up and demobilization procedures shall be performed to satisfaction of the Owner and Landscape Architect.

NOTE: GROUNDCOVERS AND PERENNIALS TO BE INSTALLED WITH TRIANGULAR SPACING

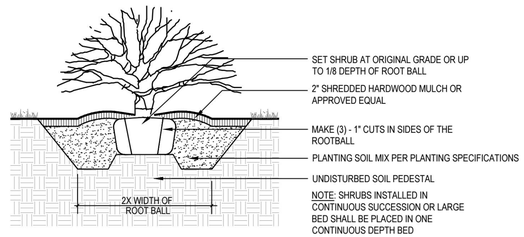


PLANT SPACING 'D'	ROW 'A'
8" O.C.	6.93" O.C.
10" O.C.	8.66" O.C.
12" O.C.	10.4" O.C.
18" O.C.	15.6" O.C.
24" O.C.	20.8" O.C.
36" O.C.	30.0" O.C.
48" O.C.	31.5" O.C.

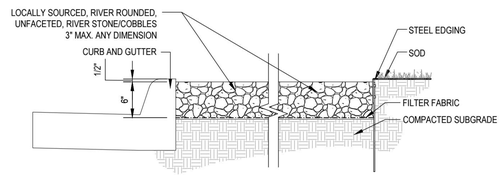
1 GROUNDCOVER SPACING
NOT TO SCALE



2 GROUNDCOVER PLANTING
NOT TO SCALE



3 SHRUB PLANTING
NOT TO SCALE



NOTE:
1. COLOR AND TEXTURE TO BE APPROVED BY OWNER PRIOR TO PURCHASE
2. ***ALTERNATE SETTING BED :*** PRIOR APPROVAL BY OWNER REQUIRED
   - SET STONES IN 2" CONCRETE SLAG.
   - DO NOT COVER MORE THAN 25% OF THE STONES

4 RIVER STONE
1"=1'-0"

No.	REVISIONS	DATE	BY

Kimley»Horn
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COMMONWEALTH OF VIRGINIA
ELIZA GRACE MACHEK
Lic. No. 001682
03/01/2022
LANDSCAPE ARCHITECT

KHA PROJECT 113342000
DATE 03/01/2022
SCALE AS SHOWN
DESIGNED BY JTS
DRAWN BY JTS
CHECKED BY ECM

LANDSCAPE NOTES AND DETAILS

CHIPOTLE
PREPARED FOR
NEW MARKET PROPERTIES
ALBEMARLE COUNTY VIRGINIA

SHEET NUMBER
CP-501

Plotted By:McCrop, Stephen Sheet Set:Kho Layout:CP-501 LANDSCAPE NOTES AND DETAILS March 01, 2022 09:44:29am K:\Ric_Civ\113342000 — Hollymead Chipotle — Albemarle\CAD\PlanSheets\CP-501 LANDSCAPE NOTES AND DETAILS.dwg
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