## SITE PLAN OF MACK BENN ELEMENTARY SCHOOL FUELING STATION SUFFOLK PUBLIC SCHOOLS - MILL LAKE RD. VA 337 ROUTE 460 CIVIL LEGEND RAVEN S **1253 NANSEMOND PARKWAY** NEW EXISTING



PID NUMBER: MAP NUMBER: 27\*51A **ZONING:** RLM - RESIDENTIAL LOW-MEDIUM DENSITY WATERSHED: JL48: NANSEMOND RIVER - CEDAR LAKE EXISTING BUILDING AREA 87.170 SF (7.5%) 87,170 SF (7.5%) PROPOSED BUILDING AREA: ELEMENTARY SCHOOL - 87,170 SF (.08) TOTAL FLOOR AREA: 895,290 SF (77.2%) TOTAL LANDSCAPE/BUFFER/OPEN SPACE: 263,700 SF (22.8%) **EXISTING IMPERVIOUS SURFACES:** PROPOSED IMPERVIOUS SURFACES: 264,528 SF (22.8%) GENERAL NOTES <u>ROADS AND DRAINAGE</u> ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM WITH THE CURRENT SPECIFICATIONS AND STANDARDS OF THE CITY OF SUFFOLK ALL CONCRETE TO BE CLASS "A-3" AIR-ENTRAINED (3,000 P.S.I.) UNLESS NOTED OTHERWISE. TEMPORARY DRAINAGE DURING CONSTRUCTION TO BE PROVIDED BY THE CONTRACTOR TO RELIEVE AREAS THAT MAY CAUSE DAMAGE TO BUILDINGS, AS DIRECTED BY THE ENGINEER/ARCHITECT. ALL STORM SEWER SWALES TO BE CLEARED OF DEBRIS AND ERODED MATERIAL AT ALL STAGES OF CONSTRUCTION. WHEN MATERIALS WHICH ARE UNSUITABLE FOR FOUNDATIONS, SUBGRADES, OR OTHER PARKING LOT PURPOSES, OCCUR WITHIN THE LIMITS OF CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE SUCH MATERIAL BELOW THE GRADE SHOWN ON PLANS, AND THE AREAS SO EXCAVATED SHALL BE BACKFILLED WITH APPROVED SUITABLE MATERIALS, THE EXTENT OF UNDERCUTTING AND BACKFILLING TO BE DETERMINED BY THE ENGINEER/ARCHITECT. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN SILT TRAPS SUFFICIENT TO PREVENT SOIL FROM BEING ERODED FROM THE SITE INTO EXISTING OR NEW DRAINAGE SYSTEMS, DITCHES OR WATER COURSES. ANY MATERIAL THAT IS SO ERODED SHALL BE PROMPTLY REMOVED. ANY EXISTING CURB, GUTTER, SIDEWALK, AND/OR PAVEMENT DAMAGED DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR. ALL MATERIALS AND METHODS OF CONSTRUCTION WITHIN THE STATE RIGHT-OF-WAY SHALL COMPLY WITH VDOT STANDARDS AND SPECIFICATIONS. VDOT SELECT MATERIAL TYPE II MIN. CBR-20 SHALL BE USED FOR BACKFILL FOR CONSTRUCTION WITHIN THE R/W. 0. TRAFFIC ON EXISTING ROADWAYS MUST BE MAINTAINED DURING CONSTRUCTION WHEN ANY WORK IS BEING PERFORMED WITHIN THE EXISTING RIGHT OF WAY. THE MAINTENANCE OF TRAFFIC PLAN FOR THIS WORK MUST BE IN CONFORMANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL AND ANY OTHER SPECIAL PROVISIONS LISTED IN THE CITY LAND USE PACKAGE FOR THIS SITE. 11. ALL WORK AREAS AND LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL DATED AUGUST 2011 AND SHALL BE DIRECTED OR APPROVED BY THE CITY OF SUFFOLK PUBLIC WORKS DEPARTMENT -ENGINEERING DIVISION. NO LANE CLOSURE OPERATION SHALL BE CONDUCTED WITHOUT A RECEIVED WRITTEN REQUEST 48 TO 72 HOURS PRIOR TO OPERATION. ONCE THE REQUEST HAS BEEN APPROVED, WORK MAY COMMENCE. HOURS OF CLOSURE SHALL BE CONDUCTED BETWEEN 9:00 AM AND 4:00 PM MONDAY THROUGH FRIDAY. LANE CLOSURES SHALL NOT BE PERMITTED ON SATURDAYS. SUNDAYS. STATE RECOGNIZED HOLIDAYS AND OTHER DAYS DEEMED BY THE CITY OF FLOOD INSURANCE RATE MAPS FOR THE CITY OF SUFFOLK, COMMUNITY NO.:510156, DATED SUFFOLK TO BE THE SAME AS HOLIDAYS. LANE CLOSURES WILL BE PROHIBITED FROM NOON PRIOR TO A THREE DAY AUGUST 3, 2015, FLOOD ZONE INFORMATION SHOWN HEREON IS NOT GUARANTEED AND WAS WEEKEND TO NOON THE FOLLOWING WORK DAY. THE CONTRACTOR SHALL NOT CONDUCT OPERATIONS WHEN THE APPROXIMATELY SCALED FROM THE FLOOD INSURANCE RATE MAPS FOR THE CITY/COUNTY WEATHER CAUSES UNSAFE CONDITIONS FOR THE TRAVELING PUBLIC AS DETERMINED BY THE PUBLIC WORKS DEPARTMENT INDICATED. MGA, P.C. IS NOT A PARTY IN DETERMINING THE REQUIREMENTS FOR FLOOD - ENGINEERING DIVISION. THE PUBLIC WORKS ENGINEERING DEPARTMENT RESERVES THE RIGHT TO CHANGE ANY OR ALL INSURANCE ON THE PROPERTY SHOWN. FOR FURTHER INFORMATION AND TO CONFIRM THE FLOOD OF THE WORKING HOURS WHEN SUCH CHANGES ARE IN THE BEST INTEREST OF THE TRAVELING PUBLIC. THE ZONE FOR THIS PROPERTY, CONTACT THE LOCAL COMMUNITY FLOOD OFFICIAL. FLOOD ZONE DETERMINATION IS BASED ON THE FLOOD INSURANCE RATE MAPS AND DOES NOT IMPLY THAT CONTRACTOR MAY REQUEST A CHANGE IN THE HOURS OF OPERATION IF THE REQUESTED TIME WILL BE SAFE FOR THE TRAVELING PUBLIC. THIS REQUEST MUST BE APPROVED BY THE PUBLIC WORKS ENGINEERING DEPARTMENT PRIOR TO CONDUCTING SUCH OPERATION. ALL SIGNS, EQUIPMENT AND MATERIAL WILL BE MOVED FROM THE CITY OF SUFFOLK'S NORTH MERIDIAN SHOWN HEREON IS BASED ON VIRGINIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE NAD83/94 HARN, AS REFERENCED FROM INSTRUMENT NUMBER 160008343. RIGHT-OF-WAY PRIOR TO THE END OF THE LANE CLOSURE TIME INDICATED. FOR WORK ON ROUTES 10/32, 13, 17, 58, 337 AND 460, THERE SHALL BE AT LEAST ONE LANE OPEN AT ALL TIMES. COORDINATE VALUES AND LENGTHS/DISTANCES SHOWN ARE EXPRESSED IN U.S. SURVEY FEET.

ELEVATIONS SHOWN HEREON ARE BASED ON NAVD88 AND WERE GPS DERIVED USING GNSS NETWORK RTK METHODS, WITH REFERENCE TO GPS CONTINUOUSLY OPERATING REFERENCE STATIONS USING GEIOD18, AND CORRECTION SERVICES PROVIDED BY HXGN SMARTNET (SMARTNET NORTH AMERICA). THIS SURVEY DOES NOT ADDRESS THE EXISTENCE OR NONEXISTENCE OF WETLANDS, ENVIRONMENTAL HAZARDS, CEMETERIES OR ANY UNDERGROUND STRUCTURE NOT OBSERVED DURING THE COURSE OF THE SURVEY. 6. LOCATION OF UNDERGROUND NON-GRAVITY UTILITIES SHOWN ON THIS SURVEY ARE BASED ON SURFACE INDICATIONS OF SUBTERRANEAN USE AND PAINT MARKINGS FIELD LOCATED BY MSA, P.C. AS PAINTED BY MISS UTILITY, TICKET NO.: B410300266. THIS SURVEY DOES NOT GUARANTEE THE EXISTENCE OR NONEXISTENCE OF UNDERGROUND UTILITIES THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF

THIS PROPERTY WILL OR WILL NOT BE FREE FROM FLOODING OR DAWAGE.

JEFFREY J. VIERRETHER, L.S. (LIC. NO. 2306) FROM AN ACTUAL GROUND/AIRBORNE SURVEY MADE UNDER MY SUPERVISION: THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED ON 4-17-2024; AND THAT THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

811 OR 1-800-552-7001 OR VISIT VA 811 WEBSITE TO REQUEST UTILITY MARKINGS

BEFORE YOU DIG. CALL MISS UTILITY AT

SITE DATA

| MANSCILL, RT. 337, | BEAMONS | MILL | CRE  |
|--------------------|---------|------|------|
|                    |         | 3046 | 5114 |
|                    |         |      | 30   |

±26.61 AC

±2,400 SF

SHEET INDEX SHEET TITLE

C-001 CIVIL COVER SHEET C-002 SHEET INDEX

V-001 TOPOGRAPHIC SURVEY V-002 TOPOGRAPHIC SURVEY

CD101 DEMOLITION AND EROSION & SEDIMENT CONTROL PLAN CS101 SITE PLAN

C-501 DETAILS

E101 ELECTRICAL PLANS, LEGEND AND NOTES

ARCHITECT

**CIVIL DESIGNER:** 

OWNER/DEVELOPER:

ADVISORY NOTE: PERMITS RELATED TO THE FUEL TANK INSTALL AT FIREPREVBUREAU@SUFFOLKVA.US

### SPECIAL NOTES

- CONTRACTOR TO VERIFY THE EXISTENCE AND/OR LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTACT MISS UTILITIES" AT 1–800–552–7001 AND CITY OF SUFFOLK DEPARTMENT OF PUBLIC UTILITIES AT (757) 923–3685" 48 HOURS PRIOR TO CONSTRUCTION
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WRITTEN APPROVAL FROM THE ENGINEER FOR ANY CHANGE ORDERS REQUIRED FOR THIS PROJECT. WRITTEN APPROVAL MUST BE OBTAINED PRIOR TO THE INSTALLATION OF ANY CHANGES, ADDITIONS, OR DELETIONS.
- THE CONTRACTOR SHALL MONITOR AND TAKE PRECAUTIONS TO CONTROL DUST, INCLUDING (BUT NOT LIMITED TO) USE OF WATER OR CHEMICAL DUST PALIATIVE, LIMITING THE NUMBER OF VEHICLES ALLOWED ON-SITE, MINIMIZING THE OPERATING SPEED OF ALL VEHICLES, ETC.
- 4. BOARDS OR WIRES OF A NON-PROTECTIVE NATURE SHALL NOT BE NAILED OR ATTACHED TO TREES DURING CONSTRUCTION.
- 5. TREE PROTECTION DEVICES WILL BE INSTALLED IN ACCORDANCE WITH STATE EROSION AND SEDIMENT CONTROL STANDARDS TO AVOID DAMAGE TO EXISTING TREE TRUNKS AND ROOTS.
- 6. TREE TRUNKS AND EXPOSED ROOTS DAMAGED DURING EQUIPMENT OPERATIONS SHALL BE TREATED IN ACCORDANCE WITH ARBORICULTURAL STANDARDS. DAMAGED TREE LIMBS SHALL BE CUT BACK TO THE NEXT LATERAL BRANCH OR PARENT STEM AT THE BRANCH COLLAR. CARE FOR SERIOUS INJURY SHOULD BE PRESCRIBED BY THE CITY ARBORIST.

- 1. THE SUBJECT PARCEL IS LOCATED IN THE CHESAPEAKE BAY PRESERVATION AREA (CBPA) OVERLAY DISTRICT AND IS IDENTIFIED AS A RESOURCE MANAGEMENT AREA (RMA) AND RESOURCE PROTECTION AREA (RPA).
- 2. ALL LAND DISTURBANCE, USES, DEVELOPMENT AND REDEVELOPMENT IN THE CHESAPEAKE BAY PRESERVATION AREA OVERLAY DISTRICT ARE REQUIRED TO RETAIN AN UNDISTURBED VEGETATED 100-FOOT BUFFER AREA AROUND RPA FEATURES, SUCH AS WETLANDS. SHORELINES AND ALONG WATERBODIES WITH PERENNIAL FLOW.
- 3. ONLY CERTAIN SPECIFIED ACTIVITIES MAY BE PERMITTED IN THE RPA, RESOURCE PROTECTION AREA, SUCH AS APPROVED WATER DEPENDENT FACILITIES, REDEVELOPMENT, ROADS AND DRIVEWAYS, FLOOD CONTROL AND BONA FIDE AGRICULTURAL ACTIVITIES AND WETLANDS RESTORATION ACTIVITIES.
- 4. THE DEVELOPMENT MUST COMPLY WITH THE PARKING AND LOADING STANDARDS OF SECTION 31-606 AND THE PERFORMANCE STANDARDS OF SECTION 31-608 OF THE UNIFIED DEVELOPMENT ORDINANCE
- 5. IN ACCORDANCE WITH SECTION 31-606 (13) (B) (1) (F) OF THE UDO, NO DELIVERY, LOADING, TRASH REMOVAL OR COMPACTION, OR OTHER SUCH OPERATIONS SHALL BE PERMITTED BETWEEN THE HOURS OF 10:00 P.M. AND 7:00 A.M. WHEN ADJACENT TO A RESIDENTIAL ZONING DISTRICT, UNLESS THE APPLICANT SUBMITS EVIDENCE THAT SOUND BARRIERS BETWEEN ALL AREAS FOR SUCH OPERATIONS EFFECTIVELY REDUCE NOISE EMISSIONS TO A LEVEL OF 45 DB, AS MEASURED AT THE LOT LINE OF ANY ADJOINING PROPERTY.
- 6. IN ACCORDANCE WITH SECTION 31-602(B)(2) OF THE UDO, MECHANICAL EQUIPMENT SHALL BE SCREENED FROM PUBLIC VIEW AND DESIGNED TO APPEAR AS AN INTEGRAL PART OF THE BUILDING. ELECTRICAL METERS AND SERVICE COMPONENTS AND SIMILAR UTILITY DEVICES SHALL BE OUT OF VIEW FROM PUBLIC RIGHT-OF-WAYS.
- 7. THIS PROPERTY IS LOCATED WITHIN THE SPECIAL CORRIDOR OVERLAY DISTRICT (SCOD) AND IS SUBJECT TO THE REQUIREMENTS OF 31-412 OF THE UNIFIED DEVELOPMENT ORDINANCE.



ENGINEERS | SCIENTISTS | SURVEYORS 5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.2964 | MSAONLINE.COM THIS DOCUMENT IS THE SOLE PROPERTY OF MSA, P.C. VIRGINIA BEACH, VIRGINIA. THE REPRODUCTION IN WHOLE OR PART, THE MODIFICATION OF ANY DETAIL OR DESIGN, OR USE FOR ANY PURPOSE OTHER THAN THAT INTENDED BY MSA, P.C. MAY NOT BE MADE WITHOUT THE EXPRESSED WRITTEN CONSENT OF MSA, P.C.

\*\*\* CAUTION \*\*\* THE UTILITIES SHOWN ARE FOR CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, DIMENSION AND ELEVATION OF ALL UNDERGROUND UTILITIES. MSA, P.C. ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF BURIED UTILITIES SHOWN ON THE PLANS OR LACK THEREOF. THE CONTRACTOR IS RESPONSIBLE FOR HIRING PROFESSIONAL SUBSURFACE UTILITY LOCATOR FOR FIFLD VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE LIMITS OF WORK. FOR MORE INFORMATION REGARDING THE LOCATION OF UNDERGROUND UTILITIES CALL MISS UTILITIES AT 1-800-552-7001 OR DIAL 811 IN VIRGINIA. AN DISCREPANCIES IN REFERENCED HORIZONTAL LOCATIONS, ELEVATIONS, DIMENSIONS OR DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK. ANY DAMAGE MADE EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF



## **PROJECT DATA**

MSA, PC 5032 ROUSE DRIVE, SUITE 200 VIRGINIA BEACH, VA 23462 PHONE: (757) 490-9264

RRMM ARCHITECTS 1317 EXECUTIVE BLVD, SUITE 200 CHESAPEAKE, VIRGINIA 23320 PHONE: (757) 622-2828

> SUFFOLK CITY SCHOOL BOARD 100 NORTH MAIN STREET SUFFOLK, VIRGINIA 23434 PHONE: (757) 927-6750

### APPLICANT MUCH REACH OUT TO THE FIRE MARSHAL'S OFFICE FOR ALL REQUIRED

CITY OF SUFFOLK STANDARD EROSION & SEDIMENT CONTROL NOTES

- UNLESS OTHERWISE INDICATED. ALL VEGATATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (3RD EDITION, 1992) AND THE CITY OF SUFFOLK EROSION AND SEDIMENT CONTROL ORDINANCE.
- 2. THE CONTRACTOR SHALL APPLY PERMANENT OR TEMPORARY SOIL STABILIZATION TO ALL DENUDED OR DISTURBED EA WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. SOIL STABILIZATION MUST ALSO BE APPLIED TO DENUDED OR DISTURBED AREAS WHICH MAY NOT BE A FINAL GRADE BUT WHICH WILL REMAIN UNDISTURBED FOR LONGER THAN 14 DAYS. SOIL STABILIZATION MEASURES INCLUDE VEGETATIVE ESTABLISHMENT, MULCHING AND THE EARLY APPLICATION OF GRAVEL BASE MATERIAL ON AREAS TO BE PAVED
- 3. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN LAND DISTURBANCE.
- 4. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES AND CLEANUP OF SEDIMENTATION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE IMMEDIATELY.
- 5. THE CONTRACTOR SHALL LIMIT SITE ACCESS BY CONSTRUCTION VEHICLES TO ENTRANCES PROTECTED BY A STONE CONSTRUCTION ENTRANCE (VESCH STD & SPEC 3.02) OR AN APPROVED COMPARABLE CONTROL MEASURE. SEDIMENT SHALL BE REMOVED FROM PAVED AREAS ON A DAILY BASIS.
- 6. STOCK PILES OF SOIL AND OTHER ERODIBLE MATERIALS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION FOR STOCKPILES ON SITE AS WELL AS FOR MATERIALS TRANSPORTED FROM THE PROJECT SITE.
- 7. THE CONTRACTOR SHALL MONITOR AND TAKE PRECAUTIONS TO CONTROL DUST INCLUDING (BUT NOT LIMITED TO) USE OF WATER, MULCH, OR CHEMICAL DUST ADHESIVES AND CONTROL OF CONSTRUCTION SITE TRAFFIC.
- 8. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT ADJACENT PROPERTIES, WETLANDS, WATERWAYS OR THE STORM DRAINAGE SYSTEM.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ANY ADDITIONAL CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED NECESSARY BY THE PLAN APPROVING AUTHORITY.
- 10. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE NOT TO BE REMOVED UNTIL ALL DISTURBED AREAS ARE STABILIZED. AFTER STABILIZATION IS COMPLETE, ALL MEASURES SHALL BE REMOVED WITHIN 30 DAYS. TRAPPED SEDIMENT SHALL BE SPREAD AND SEEDED.

APPROVED: DIRECTOR OF PLANNING DATE:

DATE

5/24/24

6/19/24

8/9/24

### INITIAL GBH LEM LEM

### PLAN STATUS

DESCRIPTION PRELIINARY LAYOUT OPTIONS TO CLIENT 100%/SITE PLAN WAIVER SITE PLAN WAIVER - 2ND SUBMITTAL

|   |  | -   |
|---|--|-----|
|   | description  |     |
|   | py   | D   |
|   | mark date<br>revisions   |     |
|   | 6/19/24<br>21222.20<br>LEM<br>LEM<br>GBH   |     |
|   | DATE<br>PROJECT<br>DESIGNED<br>DRAWN<br>CHECKED  |     |
|   |  |     |
|   | RRMM<br>ARCHITECTS, PC<br>1317 Executive Blvd, Suite 200<br>Chesapeake, Virginia 23320<br>(757)622-2828                                      | ® C |
|   | COMPLETE ELLEN MARKLEY VI<br>LEE ELLEN MARKLEY VI<br>Lic. No.<br>B/9/24<br>S/ONAL ENGINE   |     |
|   | ATION A MASA<br>ENGINEERS I SCIENTISTS I SURVEYORS<br>5032 ROUSE DRIVE, SUITE 200   VIRGINIA BEACH, VA 23462<br>757.490.2964   MSAONLINE.COM | В   |
|   | ES FUELING ST.<br>MAY<br>SHEET   |     |
| _ | MACK BENN<br>SUFFOLK PUE<br>1253 NANSEMOND PARK<br>SUFFOLK, VIRGINIA<br>VIRGINIA DEPARTMENT OF EDUCATION<br>CIVIL COVER                      |     |
|   | PROJECT<br>DRAWING   | A   |
| - | <br>Sheet  |     |
|   | C-001  |     |

LEGEND SYMBOL/ABBREVIATION ......DESCRIPTION MM......WATER METER - FH......FIRE HYDRANT C......FIRE DEPARTMENT CONNECTION (1) WELL......WELL MWELL......WONITOR WELL O MMH ......WATER MANHOLE W ...... WATER VALVE SPIGOT ...... SPIGOT SSMH ......SANITARY MANHOLE 0 SCO ......SANITARY CLEANOUT SV ......SANITARY VALVE S FMV ......FORCE MAIN VALVE *LP*.....LIGHT POLE | ⊖ *GLIGHT* ......GROUND LIGHT ......GUY WIRE | 📝 ...... TRANSFORMER | 🗆 EM ......ELECTRIC METER PP......POWER POLE | ] EBOX ......ELECTRIC BOX D COMM BOX ......COMMUNICATIONS BOX TPED......TELEPHONE PEDESTAL OTMH ......TELEPHONE MANHOLE ED......CABLE TV PEDESTAL CTV BOX ......CABLE TV BOX GM......GAS METER 🛛 🛛 GV......GAS VALVE 🖾 ......FILLER CAP 7.....DROP INLET 1 ( ) DI2.....DROP INLET 2 3.....DROP INLET 3 🖾 CB......CATCH BASIN .....ROOF DRAIN CO.....STORM CLEANOUT STMH......STORM MANHOLE | • YDI ......YARD DROP INLET E9 ......FARED-END SECTION Multiple END (CONTINUES) MH......POST ......POST C .....AC UNIT BOL.....BOLLARD WITPOST ......WITNESS POST *BORING* ......BORING --- ......SIGN D MB ......MAIL BOX <sup>,,</sup>.....BUSH∕HEDGE WOODS LINE/ .....TREE CURB AND GUTTER CONCRETE PAVEMENT BRICK GRAVEL FENCE GUARDRAIL 8 8 8 8 RIGHT-OF-WAY LINE BUILDINGS С (ST)12" RCP [P#] PIPE LABEL (SIZE, TYPE, ID) TOP OF BANK \_ **\_** \_ \_ **\_** \_ \_ \_ \_ TOP OF SLOPE \_ \_ \_ \_ \_ \_ \_ \_ \_ € of Ditch · > · · · · > · · - · · > · · -€ OF SWALE · > · \_\_\_ · > · \_\_\_ · > · \_\_\_ WATER/HYDROGRAPHIC FEATURE WETLANDS WATER LINE \_\_\_\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_\_\_\_ SANITARY SEWER PIPE LABEL (SIZE, TYPE, ID) 8" PVC [P#] UNDERGROUND CABLE —UGC— OVERHEAD CABLE OVERHEAD TELEPHONE — — · — OHT— — · — UGFO— · — UNDERGROUND FIBER OPTIC UNDERGROUND TELEPHONE — · ——UGT—— · —— UNDERGROUND GAS —-UGG------OVERHEAD ELECTRIC UNDERGROUND ELECTRIC FORCE MAIN STEAM LINE —stm— UNDERGROUND UNKNOWN UTILITY UNDERGROUND TRAFFIC CONTROL ——UNK——— —— — — · — UGTC-----• TEMPORARY BENCHMARK (TBM) .....ELEVATIONS TC 10.00......TOP OF CURB ELEVATIONS STRUCTURE ID TW 10.00 ...... TOP OF WALL ELEVATIONS IH# .....TEST HOLE W/ID NO. \*\*\* CAUTION \*\*\* THE UTILITIES SHOWN ARE FOR CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, DIMENSION AND ELEVATION OF ALL UNDERGROUND UTILITIES. MSA, P.C. ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF BURIED UTILITIES SHOWN ON THE PLANS OR LACK THEREOF. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE LIMITS OF WORK. FOR MORE INFORMATION REGARDING THE LOCATION OF UNDERGROUND UTILITIES CALL MISS UTILITIES AT 1-800-552-7001 OR DIAL 811 IN VIRGINIA. ANY DISCREPANCIES IN REFERENCED HORIZONTAL LOCATIONS, ELEVATIONS, DIMENSIONS OR DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK. ANY DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SURVEY CONTROL LEGEND \_ \_ \_ \_ & BEARING/DISTANCE ABBREVIATION LEGEND SYMBOL/ABBREVIATION ......DESCRIPTION ○ PIN(F).....IRON PIN FOUND ● PIN(S).....IRON PIN SET △ NAIL(F).....**NAIL FOUND** ▲ NAIL(S).....**NAIL SET**  

 ▷ DH(F).....DRILL HOLE FOUND
 Image: Book of the set MON(F)......MONUMENT FOUND MON(S)......MONUMENT SET (UTA).....UNABLE TO ACCESS (C).....CALCULATED (P).....PLAT (F).....FIELD (D).....DEED (O/A).....OVERALL





| Ελ         | ISTING SI | ANITARY SEWER STRUCTURE TABLE  | EXISTIN           | IG SANITARY SEWER PIPE TABLE |      |            | EXISTING STORM         | SEWER STRUCTURE TABLE  | EXIST.     | TNG STORM SEWER PIPE TABLE |      |
|------------|-----------|--|-------------------|------------------------------|------|------------|------------------------|--|------------|----------------------------|------|
| ID         | TYPE      | RIM ¢ INVERT   | STRUCTURE         | LENGTH - SIZE/TYPE @ SLOPE   | [ID] | ID         | TYPE                   | RIM ¢ INVERT   | STRUCTURE  | LENGTH - SIZE/TYPE @ SLOPE | [[]] |
|            |           | <i>RIM=19,95</i>   | TO STRUCTURE      |                              |      |            |                        | <i>RIM=18,78</i>   |            |                            |      |
| <i>551</i> | SSMH      | INV [P1] (OUT,SE)=15.00 (8" PVC)   | 551 TO 552        | 241 LF - 8" PVC @ 1.64%      | P1   | ST1        | DI 1                   | INV [P6] (IN,E)=14.53 (10" PVC)  | ST1 TO ST2 | 180 LF - 24" RCP @ 0.37%   | P7   |
|            |           | RIM=18,14  | <i>552 TO 553</i> | 169 LF - 8" PVC @ 0.30%      | P3   |            |                        | INV [P7] (OUT,5)=13.04 (24" RCP)   | ST2 TO ST3 | 296 LF - 24" RCP @ 0.21%   | P8   |
| <i>552</i> | SSMH      | INV [P1] (IN,NW)=11.05 (8" PVC)<br>INV [P2] (IN,N)=11.78 (6" PVC)<br>INV [P3] (OUT,E)=11.05 (8" PVC)             |                   |                              |      | <i>ST2</i> | CB<br>(STMH RIM=16.91) | RIM=16.92<br>IW [P7] (IN,N)=12.38 (24" RCP)<br>IW [P8] (OUT,E)=12.25 (24" RCP)   |            |                            | 1    |
| 553        | SSMH      | RIM=17.15<br>INV [P3] (IN,W)=10.54 (8" PVC)<br>INV [P4] (IN,N)=10.46 (6" PVC)<br>INV [P5] (0UT,E)=10.51 (8" PVC) |                   |                              |      | <i>ST3</i> | CB<br>(STMH RIM=16.29) | RIM=16.22<br>INV [P8] (IN,W)=11.63 (24" RCP)<br>INV [P9] (OUT,E)=11.49 (24" RCP) |            |                            |      |



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|----|------------------------|--|------------|
|    | EXISTING STORM         | SEWER STRUCTURE TABLE  | EXI.       |
| 7  | TYPE                   | RIM ¢ INVERT   | STRUCTURE  |
| r1 | <i>Π</i>  1            | RIM=18.78<br>INV [P6] (IN E)=14.53 (10" PVC)                                     | ST1 TO ST2 |
|    |                        | INV [P7] (OUT,S)=13.04 (24" RCP)   | ST2 TO ST3 |
| 2  | CB<br>(STMH RIM=16.91) | RIM=16.92<br>INV [P7] (IN,N)=12.38 (24" RCP)<br>INV [P8] (OUT,E)=12.25 (24" RCP) |            |
| 3  | CB<br>(STMH RIM=16.29) | RIM=16.22<br>INV [P8] (IN,W)=11.63 (24" RCP)<br>INV [P9] (OUT,E)=11.49 (24" RCP) |            |
|    |                        |  |            |

| EXISTING STORM SEWER PIPE TABLE |                            |      |  |  |
|---------------------------------|----------------------------|------|--|--|
| STRUCTURE<br>O STRUCTURE        | LENGTH - SIZE/TYPE @ SLOPE | [ID] |  |  |
| ST1 TO ST2                      | 180 LF - 24" RCP @ 0,37%   | P7   |  |  |
| ST2 TO ST3                      | 296 LF - 24" RCP @ 0.21%   | P8   |  |  |
|                                 |                            |      |  |  |

| EX        | ISTING SI | ANITARY SEWER STRUCTURE TABLE   |                   |
|-----------|-----------|---|-------------------|
| D         | TYPE      | RIM ¢ INVERT  | STRUC             |
| <i>51</i> | SSMH      | RIM=19.95<br>INV [P1] (OUT,SE)=15.00 (8" PVC)   | 10 31RU<br>551 TC |
| 62        | SSMH      | RIM=18.14<br>INV [P1] (IN,NW)=11.05 (8" PVC)<br>INV [P2] (IN,N)=11.78 (6" PVC)<br>INV [P3] (OUT,E)=11.05 (8" PVC) | <i>552 T</i>      |
| <i>93</i> | SSMH      | RIM=17.15<br>INV [P3] (IN,W)=10.54 (8" PVC)<br>INV [P4] (IN,N)=10.46 (6" PVC)<br>INV [P5] (0UT,E)=10.51 (8" PVC)  |                   |

| _ |                           |                             |      |
|---|---------------------------|-----------------------------|------|
|   | EXISTIN                   | G SANITARY SEWER PIPE TABLE |      |
|   | STRUCTURE<br>TO STRUCTURE | LENGTH - SIZE/TYPE @ SLOPE  | [ID] |
|   | 561 TO 552                | 241 LF - 8" PVC @ 1.64%     | P1   |
|   | 552 TO 553                | 169 LF - 8" PVC @ 0.30%     | P3   |
|   | ·                         |                             |      |

|       |         |         | CURVE TAB            | LE              |                    |         |
|-------|---------|---------|----------------------|-----------------|--------------------|---------|
| CURVE | LENGTH  | RADIUS  | BEARING              | CHORD           | DELTA              | TANGENT |
| C1    | 197.07' | 537.69' | S03 <b>*</b> 55'28"W | 195.97 <b>'</b> | 21 <b>°</b> 00'00" | 99.65'  |



MSA PROJ# 21136D





### **NEW WORK KEYNOTES:**

- 1 CUT IN CDS2015-4-C UNIT. RIM=16.90; INV=12.23 SEE DETAIL SHEET C-501
- 2 TREX FENCE ENCLOSURE WITH 4' GATE SEE DETAIL C-501
- 3 12" THICK CONCRETE FUEL TANK PAD
- 4 6" THICK CONCRETE PAVEMENT
- BENNETT MODEL 3711 ASNA-1 SINGLE HOSE FUEL PUMP, PETROVEND PV-PRO FUEL MANAGEMENT SYSTEM, VEEDER ROOT TLS 400 PLUS CONTROL CONSOLE, & 4000 GAL 64" Ø CYL FIREGUARD TANK – SEE DETAIL SHEET C-501. COORDINATE WITH ELECTRICAL PLANS AND OWNER.
- 6 6" STEEL BOLLARD SEE DETAIL SHEET C-501
- REPLACE CURB AND GUTTER. MATCH EXISTING.
- 8 FULL DEPTH ASPHALT REPLACEMENT. SEE SECTION THIS SHEET.
- 9 APPROXIMATE LOCATION OF RELOCATED GAS LINE TO BE RELOCATED BY VNG. OWNER TO COORDINATE.
- 10 APPROXIMATE LOCATION OF RELOCATED ELECTRICAL LINE TO BE RELOCATED BY DOMINION ENERGY. OWNER TO COORDINATE.
- 11 RESTRIPE  $\pm 87$  LF LANE LINE PAVEMENT MARKING. MATCH EXISTING COLOR AND WIDTH.
- 12  $\pm 1.5$ " MIN. VDOT STD SM-9.5A SURFACE PAVEMENT. GRADE TO MATCH EXISTING. 13 WHITE PAVEMENT MARKING

### GRADING, DRAINAGE, AND UTILITY NOTES:

- 1. AS SHOWN, MATCH GRADE (MG) AT LIMITS OF CONSTRUCTION/SILT FENCE.
- 2. ALL PIPE JOINTS AND CONNECTIONS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER. ASTM AND VDOT PROVISIONS; SPECIFICATIONS AND STANDARDS TO BE SOIL TIGHT AND LEAK RESISTANT.
- 3. FLEXIBLE CONNECTORS MUST BE INSTALLED WITH THERMOPLAST. HDPE. PE. AND NON-CONCRETE WHERE THERE IS A CONNECTION TO A PRECAST, CAST-IN-PLACE, CONCRETE BLOCK STRUCTURES, OR BRICK STRUCTURES IN ORDER TO ELIMINATE THE POTENTIAL FOR SHEAR FAILURE IN ACCORDANCE WITH ASTM D-2321 STANDARDS.
- 4. ALL RCP STORM PIPE SHALL BE CLASS II UNLESS OTHERWISE NOTED.
- 5. INSTALL ALL STORM PIPE IN ACCORDANCE WITH THE VDOT PB-1 DETAIL. FOR PLASTIC STORM PIPE, THE LIMITS OF CLASS I BACKFILL SHALL BE EXTENDED TO 12" ABOVE THE TOP OF PIPE. REFER TO THE MOST CURRENT VDOT ROAD AND BRIDGE SPECIFICATION SECTION 302 FOR ACCEPTABLE CLASS I MATERIALS.
- 6. THE CONTRACTOR SHALL MILL AND OVERLAY ASPHALT AS SPECIFIED OR AS NEEDED TO OBTAIN A SMOOTH PAVEMENT TRANSITION.
- 7. ALL STORM SEWER PIPE AND DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AND ERODED MATERIAL IN THE LAST STAGES OF CONSTRUCTION.
- 8. MAINTAIN 18" MINIMUM VERTICAL SEPARATION FOR SEWER AND STORM CROSSING OVER WATER LINES. MAINTAIN 10' HORIZONTAL SEPARATION BETWEEN WATER AND SEWER MAINS.
- 9. AS NECESSARY, ADJUST EXISTING UTILITY RIMS TO MATCH FINISHED GRADE.

### DOMINION VIRGINIA POWER NOTES:

- 1. THE CUSTOMER/DEVELOPER IS RESPONSIBLE FOR CALLING THE CUSTOMER SERVICE CENTER OF DOMINION VIRGINIA POWER AT 1-888-667-3000 TO ESTABLISH A WORK REQUEST BEFORE SITE WORK IS TO BEGIN.
- 2. THE CUSTOMER/DEVELOPER IS RESPONSIBLE FOR ANY CONSTRUCTION COSTS ASSOCIATED WITH THE RELOCATION OF ANY DOMINION VIRGINIA POWER FACILITIES.
- 3. THE CUSTOMER/DEVELOPER WILL BE RESPONSIBLE FOR ANY CONSTRUCTION COSTS ASSOCIATED WITH THE INSTALLATION OF PERMANENT POWER.
- 4. DOMINION VIRGINIA POWER WILL REQUIRE RIGHT OF WAY FROM THE
- PROPERTY OWNER BEFORE ANY LOTS ARE SOLD. 5. DOMINION VIRGINIA POWER WILL REQUIRE RIGHT-OF-WAY FOR ALL LINE

EXTENSIONS.

- 6. THE CUSTOMER/DEVELOPER WILL BE RESPONSIBLE FOR CLEARING THE RIGHT-OF-WAY BEFORE DOMINION VIRGINIA POWER FACILITIES WILL BE INSTALLED.
- 7. THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLATION OF DOMINION VIRGINIA POWER REQUIRED CONDUITS.
- 8. ALL DOMINION POWER FACILITIES WILL BE LOCATED IN THE FRONT OF THE PROPOSED LOTS.
- 9. ANY WORK IN A DOMINION VIRGINIA POWER TRANSMISSION RIGHT-OF-WAY WILL REQUIRE APPROVAL BEFORE ANY WORK IS STARTED.

### EXISTING STORM SEWER STRUCTURE TABLE TYPE STRUCTU RIM & INVERT TO STRUCT RIM=18,78 ST1 TO S INV [P6] (IN,E)=14.53 (10" PVC) STI DII INV [P7] (OUT,S)=13.04 (24" RCP) ST2 TO 5 RIM=16.92 | ST2 | (STMH RIM=16.91) INV [P7] (IN,N)=12.38 (24" RCP) INV [P8] (OUT,E)=12.25 (24" RCP) RIM=16.22 СВ 573 (STMH RIM=16,29) INV [P8] (IN,W)=11.63 (24" RCP) INV [P9] (OUT,E)=11.49 (24" RCP)

![](_page_5_Picture_34.jpeg)

UPGRADE, PHOENIX SQL, START UP AND SUPPORT (15) 6" X 7' ROUND STEEL BUMPER POLES WITH COVERS ) BENNETT MODEL 3711 SINGLE HOSE SECTION PUMP WITH NOZZLE, SWIVEL, BREAKAWAY WITH WHIP HOSE AND HIGH HOSE HANGER 1) MORRISON MODEL 710 11/2" ELECTRIC SOLENOID VALVE ) MORRISON MODEL 516M 5 GALLON, 2" NPT TANK TOP

OVERSPILL PREVENTION MANHOLE ASSEMBLY ) MORRISON MODEL 9095 2" AST OVERFILL PREVENTION VALVE ) MORRISON MODEL 305C 2" TOP SEAL CAP ASSEMBLY ) MORRISON MODEL 424 SUCTION PUMP PEDESTAL ) MORRISON MODEL 918 TANK TOP CLOCK GAUGE ASSEMBLY WITH CONSOLE

N/F DONALD HUGHES ¢ TRAVONIA HUGHES (INST. NO. 170007374) LOT 13 (INST. NO. 160008343) MAP NO.:27M\*13 150 PATRIOTS WALKE DRIVE ZONING: RLM

N: 3,439,622.75 TE: 12,056,710.93

> N/F TINA GARRETT ¢ ISHIA S. DAVIS (INST. NO. 170010783) LOT 12 (INST. NO. 160008343) MAP NO.:27M\*12 146 PATRIOTS WALKE DRIVE ZONING: RLM

\*\*\* CAUTION \*\*\* THE UTILITIES SHOWN ARE FOR CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, DIMENSION AND ELEVATION OF ALL UNDERGROUND UTILITIES. MSA, P.C. ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF BURIED UTILITIES SHOWN ON THE PLANS OR LACK THEREOF. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE LIMITS OF WORK. FOR MORE INFORMATION REGARDING THE LOCATION OF UNDERGROUND UTILITIES CALL MISS UTILITIES AT 1-800-552-7001 OR DIAL 811 IN VIRGINIA. ANY DISCREPANCIES IN REFERENCED HORIZONTAL LOCATIONS, ELEVATIONS, DIMENSIONS OR DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK. ANY DAMAGE MADE TO EXISTING UTILITIES

BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR

С

| EXISTING STORM SEWER PIPE TABLE |                            |      |  |  |
|---------------------------------|----------------------------|------|--|--|
| IRE<br>TURE                     | LENGTH - SIZE/TYPE @ SLOPE | [ID] |  |  |
| ST2                             | 180 LF - 24" RCP @ 0,37%   | P7   |  |  |
| <i>9</i> 73                     | 296 LF - 24" RCP @ 0.21%   | P8   |  |  |

![](_page_5_Figure_45.jpeg)

## THE FOLLOWING ITEMS WILL BE PROVIDED BY THE OWNER

![](_page_6_Figure_0.jpeg)

![](_page_6_Figure_1.jpeg)

![](_page_6_Figure_2.jpeg)

![](_page_6_Picture_5.jpeg)

![](_page_6_Picture_12.jpeg)

![](_page_6_Picture_14.jpeg)

![](_page_6_Picture_31.jpeg)

## ELECTRICAL LEGEND

| 0           | EXISTING DOMINION ENERGY POLE LIGHT   |
|-------------|---|
| PB          | EMERGENCY STOP PUSHBUTTON STATION.  |
| E           | ELECTRICAL CONNECTION TO EQUIPMENT.   |
|             | PANELBOARD, 480Y/277 VOLT   |
| 777         | PANELBOARD, 208Y/120 VOLT   |
| <del></del> | BRANCH CIRCUIT OR FEEDER WIRING IN CONDUIT. TICK MARKS INDICATE<br>NUMBER OF CONDUCTORS IF OTHER THAN THREE: (7) INDICATES<br>GROUNDING CONDUCTOR. SEE CONSTRUCTION NOTES FOR CONDUCTOR<br>AND CONDUIT SIZES. |
| L4A-XX      | HOMERUNS TO PANEL. PANEL & CIRCUIT DESIGNATIONS AS INDICATED.   |
|             | CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL.   |
| 1           | CONSTRUCTION NOTE INDICATOR.  |
| 427         | ROOM NUMBER INDICATOR.  |

![](_page_7_Figure_2.jpeg)

## **GENERAL NOTES:**

- 1. PAINT ALL EXPOSED CONDUIT TO MATCH THE SURFACE TO WHICH ATTACHED IF THE SURFACE IS PAINTED.
- 2. WHERE THE TERM "BRANCH CIRCUITRY" IS USED ON THESE DRAWINGS, IT IS TO BE CONSTRUED TO MEAN CONDUIT AND CONDUCTORS.
- 3. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES (POWER, TELEPHONE, TELEVISION, ETC.) BEFORE DIGGING OR INSTALLING ANY UNDERGROUND CONDUITS. ANY EXISTING UNDERGROUND UTILITY THAT IS DAMAGED DURING CONSTRUCTION OF THIS PROJECT SHALL BE REPAIRED BACK TO ITS ORIGINAL CONDITION UTILIZING THE APPROPRIATE TRADES AT NO ADDITIONAL COST TO THE BEFORE DIGGING, CALL "MISS UTILITY" TOLL FREE (1-800-552-7001) AND/OR PRIVATE UTILITY LOCATING CONTRACTOR.
- 4. PROVIDE A TYPED CIRCUIT INDEX CARD FOR EACH PANELBOARD UPON COMPLETION OF INSTALLATION WORK. INDICATE LOAD SERVED AND ROOM NUMBER(S). USE FINAL ROOM NUMBERS OBTAINED FROM THE ARCHITECT OR OWNER, NOT CONSTRUCTION ROOM NUMBERS AS SHOWN ON THE DRAWINGS.

## CONSTRUCTION NOTES:

- CONTROL PANEL.

![](_page_7_Figure_16.jpeg)

# PARTIAL ELECTRICAL FLOOR PLAN

0 2' 4'

![](_page_7_Picture_19.jpeg)

HAMPTON, VA 23666 
 411 COX ROAD
 GLEN ALLEN, VA 23060

 809 S. LYNNHAVEN ROAD
 VA BEACH, VA 23452

 FELEPHONE: (757) 599-4415
 PROJECT NUMBER: 24-038

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RRMM

ARCHITECTS, PC

1317 Executive Blvd, Suite 200 Chesapeake, Virginia 23320 (757)622-2828

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Lic. No.049752

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### 1 PROVIDE 1" PVC CONDUIT WITH PULL WIRE FROM FUEL PUMP TO JANITORS CLOSET 426. BORE CONDUIT UNDER ASPHALT PAVEMENT AND PRE-K PLAY AREA AS DIRECTED BY THE OWNER. CONVERT CONDUIT TO IMC BELOW GRADE AND TURN CONDUIT UP EXPOSED ON WALL. CORE DRILL EXTERIOR WALL ABOVE THE CLASSROOM CEILING FOR CONDUIT INSTALLATION. PROVIDE WEATHERPROOF "LB" CONDULET AT TOP OF CONDUIT AND EXTEND CONDUIT ABOVE THE CEILING TO JANITORS CLOSET 426. TERMINATE CONDUIT AT FUEL DISPENSING CONTROL PANEL AS DIRECTED BY EQUIPMENT PROVIDER. PAINT EXPOSED CONDUIT ON EXTERIOR WALL. COLOR TO BE SELECTED BY ARCHITECT.

2 REMOVE TWO (2) SPARE 20A-1P, 10 K.A.I.C. CIRCUIT BREAKERS IN SPACES 34 AND 36 AND TURN OVER TO OWNER. PROVIDE ONE (1) 20A-2P, 10 K.A.I.C. CIRCUIT BREAKER IN SPACES "L4A". PANEL "L4A" IS A SQUARE D TYPE "NQOD" PANELBOARD.

3 PROVIDE 4 #10 AND 1 #10 GROUND IN 3/4" CONDUIT. CONNECT 2 #10 PHASE CONDUCTORS TO NEW 20A-2P CIRCUIT BREAKER PROVIDED BY CONSTRUCTION NOTE 2 FOR FUEL DISPENSING PUMP. CONNECT 1 #10 PHASE CONDUCTOR TO EXISTING SPARE 20A-1P CIRCUIT BREAKER IN SPACE 32 FOR FUEL DISPENSING CONTROL TERMINATION. CONNECT NEUTRAL AND GROUND WIRES TO PANEL. CHANGE PANEL INDEX TO REFLECT LOADS SERVED. CONVERT CONDUIT TO IMC BELOW GRADE AND TURN CONDUIT UP EXPOSED ON WALL. CORE DRILL EXTERIOR WALL ABOVE THE CLASSROOM CEILING FOR CONDUIT INSTALLATION. PROVIDE WEATHERPROOF "LB" CONDULET AT TOP OF CONDUIT AND EXTEND CONDUIT ABOVE THE CEILING TO ELECTRICAL ROOM 427.

4 PROVIDE 4 POLE POWER RELAY CONTROLLED BY AN EMERGENCY MUSHROOM HEAD PUSHBUTTON TO DE-ENERGIZE ALL BRANCH CIRCUIT AND NEUTRAL CONDUCTORS.

5 ALL WORK ASSOCIATED WITH THE FUELING STATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE FOR CLASS 1 DIVISION 2 APPLICATION.

6 SEE "PARTIAL ELECTRICAL FLOOR PLAN" FOR LOCATION OF PANEL "L4A" AND FUEL DISPENSING

7 EXISTING PARKING LOT LIGHT FIXTURE AND LIGHT FIXTURE FEEDER TO BE RELOCATED BY DOMINION ENERGY FOR INSTALLATION OF NEW FUELING STATION