PATH/FILENAME: M:\PROJECTS\WATER\60153682\0001\CADD\DWG\RECORD DRAWINGS\G_N_0003.DWG \bigcirc ARCH D - 5-Jan-16 1. COMPLY WITH APPLICABLE CODES AND REGULATIONS FOR DEMOLITION OPERATIONS AND SAFETY OF ADJACENT STRUCTURES AND THE PUBLIC.

a. OBTAIN REQUIRED PERMITS.
b. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
c. USE PHYSICAL BARRIERS TO PREVENT ACCESS TO AREAS THAT COULD BE HAZARDOUS TO WORKERS OR THE PUBLIC.
d. CONDUCT OPERATIONS TO MINMIZE EFFECTS ON AND INTERFERENCE WITH ADJACENT STRUCTURES AND OCCUPANTS.
e. DO NOT CLOSE OR OBSTRUCT ROADWAYS OR SIDEWALKS WITHOUT PERMIT.

2. DO NOT BEGIN REMOVAL UNTIL RECEIPT OF NOTIFICATION TO PROCEED FROM OWNER'S REPRESENTATIVE.
3. MINIMIZE PRODUCTION OF DUST DUE TO DEMOLITION OPERATIONS; DO NOT USE WATER IF THAT WILL RESULT IN ICE, FLOODING, SEDIMENTATION OF PUBLIC WATERWAYS OR STORM SEWERS, OR OTHER POLLUTION.
4. COORDINATE WORK WITH UTILITY COMPANIES; NOTIFY BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS; OBTAIN REQUIRED PERMITS.
5. PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE.
6. DO NOT DISRUPT PUBLIC UTILITES WITHOUT PERMIT FROM AUTHORITY HAVING JURISDICTION.
7. REMOVE DEBRIS, JUNK, AND TRASH FROM SITE.
8. LEAVE SITE IN CLEAN CONDITION, READY FOR SUBSEQUENT WORK.
9. CLEAN UP SPILLAGE AND WIND—BLOWN DEBRIS FROM PUBLIC AND PRIVATE LANDS. CONCRETE & GROUT:

1. CONCRETE STRENGTH: FOD ALL PIPE, FITTINGS, AND VALVES SHALL BE RATED FOR A MINIMUM WORKING PRESSURE OF 150 PSI.

REFER TO WESTERN VIRGINIA WATER AUTHORITY (WWA) STANDARD SPECIFICATIONS, CS-1 GENERAL WATER AND SEWER SPECIFICATIONS, FOR PROJECT REQUIREMENTS NOT SPECIFIED ELSEWHERE.

3. FORCEMAIN PIPING, INSTALLATION, AND TESTING SHALL CONFORM TO WWA STANDARD SPECIFICATIONS, CS-3 SANITARY SEWER COLLECTION PIPING.

4. DUCTILE IRON PIPE FITTINGS, THRUST RESTRAINT, AND INSTALLATION SHALL CONFORM TO WWA STANDARD SPECIFICATIONS, CS-2 WATER DISTRIBUTION PIPING. THRUST BLOCKS SHALL BE PROVIDED IN ADDITION TO RESTRAINED JOINTS AND FITTINGS. REFER TO WWA STANDARD DETAIL W-21 ON SHEET CS502 FOR TAPPING SLEEVE AND VALVE DETAILS.

7. REFER TO WWA STANDARD DETAIL G-12 ON SHEET CS502 FOR BEDDING AND TRENCHING DETAILS.

8. INSERTION VALVE SHALL BE ADVANCED VALVE TECHNOLOGIES (AVT) EZ2 INSERTION VALVE, NO SUBSTITUTIONS. INSERTION VALVE SHALL HAVE RESILIENT SEAT AND VALVE SHALL MEET AWWA C-509 STANDARDS FOR MATERIALS OF CONSTRUCTION.

8. ALL BURRED VALVES SHALL BE PROVIDED WITH A STANDARD OPERATING NITT A STANDARD OPERATION SANDARD OPERATION SANDARD OPERATION SANDARD OPERATION SANDARD O 7. CHAMFER EDGES OF PERMANENTLY EXPOSED CONCRETE SURFACES 3/4-INCH, UNO.

8. NON-SHRINK GROUT: ASTM C1107, PREMIXED COMPOUND WITH NON-METALLIC AGGREGATE, CEMENT, WATER REDUCING AND PLASTICIZING AGENTS. MINIMUM 28-DAY COMPRESSIVE STRENGTH: 5,000 PSI.

9. SUBMITTALS: SUBMIT SHOP DRAWINGS AS SPECIFIED IN ACI 301 FOR REINFORCEMENT. SUBMIT MIX DESIGN AS SPECIFIED IN ACI 301; INCLUDE TEST RESULTS AND NECESSARY SUBSTANTIATING DATA USED TO ESTABLISH MIX DESIGN. SUBMIT PRODUCT DATA FOR NON-SHRINK GROUT. f'c = 4000 PSI w/c = 0.45AIR ENTRAINMENT: REINFORCING BARS: ASTM A615, GRADE 60, DEFORMED, fy = 60 KSI.

REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE REINFORCEMENT SHALL BE DEVELOPMENT AND SPLICE LENGTHS ARE IN TENSION UNLESS OTHERWISE INDICATED. TENSION LAP SPLICES SHALL BE AS TABULATED IN THE SPLICE LENGTH TABLE, (THIS SHEET), UNLESS OTHERWISE INDICATED. REFER TO THE WESTERN VIRGINIA RE CONSTRUCTION STANDARDS, LATEST E REQUIREMENTS NOT HEREIN INDICATE CONTRACTOR RESPONSIBLE FOR COMPANY REQUIREMENTS THAT MAY BE APPLICATED. UNLESS OTHERWISE SHOWN, BARS AT WALL AND CONTINUOUS FOOTING CORNERS AND INTERSECTIONS SHALL BE DETAILED AS SHOWN ON FIGURE 15 OF ACI 315—04.
PROVIDE CONCRETE COVER FOR REINFORCING AS SPECIFIED IN TABLE 3.3.2.3 OF ACI 301—05, UNLESS OTHERWISE INDICATED. SECURELY PLACE REINFORCEMENT TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT.
PROVIDE DOWELS TO MATCH REINFORCEMENT SIZE AND SPACING INDICATED FOR ALL STRUCTURAL ELEMENTS, UNLESS OTHERWISE INDICATED. CONCRETE STRENGTH: FOR EXTERIOR EQUIPMENT CONCRETE NOT OTHERWISE SPECIFIED: FABLE BASED ON BAR SIZE PERCENT, PLUS OR 318 PRECAST 16. METER SIZE
17. TUBE MATERIAL
18. HOUSING
19. LINER MATERIAL
20. ELECTRODE TYPE
21. ELECTRODE MATERIAL
22. TERMINAL BOX
23. ENCLOSURE CLASS
24. POWER SUPPLY
25. GROUNDING TYPE 26. TYPE
27. MOUNTING
28. TRANSMITTER RANGE
29. ENCLOSURE CLASS
30. POWER SUPPLY
31. ANALOG OUTPUT
32. SYSTEM ACCURACY MAGNETIC 36. LOCAL 37. CABLE 9. 110. 110. 115. 115. 115. CONNECTIONS 38. MANUFACTURER(S) 39. MODEL NO. MISCELLANEOUS PROCESS CONDITIONS C443.

ACCESS HATCH: HALLIDAY PRODUCTS SERIES H1R, OR EQUAL. HATCH SHALL BE RATED FOR H20 LOADING AND SHALL BE PROVIDED WITH TYPE 316 SST HOLD OPEN ARM WITH RELEASE HANDLE, TYPE 316 SST HINGES AND TAMPER PROOF FASTENERS, 1/4" THICK DIAMOND PATTERN ALUMINUM COVER PLATE, AND STAINLESS STEEL OR ALUMINUM LOCKING BAR USED IN CONJUNCTION WITH OWNER SUPPLIED PADLOCK. HATCH SIZE AS INDICATED. SUBMITTALS:

a. SHOP DRAWINGS: INDICATE PRECAST CONCRETE STRUCTURE LOCATION, DIMENSIONS, CONFIGURATION, THICKNESS, PENETRATIONS, AND OTHER PERTINENT DETAILS.
b. PRODUCT DATA: PROVIDE ACCESS HATCH, COMPONENT CONSTRUCTION FEATURES, CONFIGURATION, AND DIMENSIONS. FLUID

MAXIMUM FLOW

MAX. FLOW VELOCITY

MINIMUM FLOW

MIN. FLOW VELOCITY

OPERATING TEMP.

OPERATING PRESSURE S. SYS. REPEATABILITY
S. LOCAL DISPLAY LINE SIZE
LINE MATERIAL
CONN. TYPE
CONN. MATERIALS TAG NO SERVICE P&ID NO. LOCATION ROVIDE GROUNDING RING FROM METER MANUFACTURER. FABRICATED ROUNDING RINGS FROM A THIRD PARTY SHALL NOT BE ACCEPTED. ROVIDE METER MANUFACTURER'S CABLE BETWEEN THE METER AND RANSMITTER.

FI CALIBRATE ALL METERS (AT 3 POINTS OVER THE SPECIFIED FLOW ANGE) BY GRAVIMETRIC OR VOLUMETRIC METHODS THAT ARE RACEABLE TO NIST (NATIONAL INSTITUTE STANDARD TESTING). ROVIDE CERTIFICATE OF WET CALIBRATION TO THE OWNER'S EPRESENTATIVE PRIOR TO METER INSTALLATION.

ROVIDE METER INSTALLATION FOR IP68 APPLICATION (SUBMERGENCE). ROVIDE IP68 CONDUIT AND FITTINGS.

ROVIDE 316 STAINLESS STEEL MOUNTING HARDWARE INCLUDING ALL UTS AND BOLTS CONNECTING THE METER TO THE PROCESS PIPE.

ROVIDE ALL POWER AND SIGNAL CABLE IN RIGID CONDUIT OR IQUID—TIGHT CONDUIT. SEE ELECTRICAL SPECIFICATIONS FOR PRODUCT PFCIFICATIONS. OVIDE ALL POWER AND SIGNAL CABLE IN RIGID CONDUIT OR UID—TIGHT CONDUIT. SEE ELECTRICAL SPECIFICATIONS.

OVIDE GROUDNING FROM GROUND RINGS TO METER AND METER TO DUND, USING GREEN SIZE 10 AWG (6mm) GROUND WIRE. INSTALL DUND AS DIRECTED BY THE METER MANUFACTURER OR TO NEAREST FALLIC PIPE.

OTE COMMUNICATION MUST NOT INTERFERE WITH THE AMERICAL SIGNAL. USE FREQUIFNICATION MUST NOT INTERFERE WITH THE AMERICATION MUST NOT INTERFERE WITH THE AMERICAN AMUNICATION. SHALL BE WATERTIGHT CONFORMING FLOW INTELLIGENT, MICROPROCESSOR BASE REMOTE IN CONTROL PANEL 0-800 GPM, FIELD CONFIGURABLE NEMA 4
120 VAC, 60 HZ FE/FIT-1400 RAW WASTEWATER 1002 FLOW METER MANHOLE MULTI-LINE LIQUID CRYSTAL FOR VARIABLE, DIAGNOSTICS, PLUS B AND KEYPAD REQUIRED, 6-DIGIT NON-RESET APPROX. 50-FT, PROVIDED BY MANUFACTURER 4-INCH
304 STAINLESS STEEL
WELDED STEEL
INJECTION MOLDED HAR
FLUSH MOUNT
316 STAINLESS STEEL
DIE CAST ALUMINUM
NEMA 4X. SEE NOTES I
120 VAC, 60 HZ
STRAP AND RING FOXBORO, E+H, KROHN, OR SIEMENS 8000 SERIES, PROMAG W, ENVIROMAG, OR MAG 5100 FLOW DED HARD TO ASTM DATA FOR FLOW TUBE, AS SPECIFIED E ANALOG TECHNIQUE FOR CODES AND MATERIALS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ANSI C80.1, NEMA TC 2, NEMA TC 3 AND NEMA FB1.
 SUBMITTALS: PROVIDE PRODUCT DATA FOR RIGID NON-METALLIC CONDUIT, SCHEDULE 40, AND RIGID STEEL CONDUIT.
 CONDUIT REQUIREMENTS:

 G. MINIMUM SIZE CONDUIT 1" UNLESS OTHERWISE SPECIFIED.
 B. USE RIGID STEEL CONDUIT ABOVE GRADE.
 C. USE RIGID NON-METALLIC CONDUIT BELOW GRADE AND IN BURIED STRUCTURES, TRANSITION TO RIGID STEEL CONDUIT ABOVE GRADE.

 INSTALLATION:

 G. INSTALL CONDUIT SECURELY, IN A NEAT AND WORKMANLIKE MANNER, AS SPECIFIED IN NECA 1.

 1. CODES AND MATERIALS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE CODES, INDUSTRY AND UTILITY STANDARDS, STATE LAWS, GOVERNMENTAL RULES AND REGULATIONS AND OTHER CRITERIA WHICH APPLY TO WORK OF THIS TYPE. ALL MATERIALS SHALL BE NEW AND CURRENT MODEL FOR WHICH REPLACEMENT PARTS ARE READILY AVAILABLE. SHALL COMPLY WITH NEC 2011.

2. WORK INCLUDED: ALL WORK IN THE CONTRACT DOCUMENTS AND ALL ASSOCIATED MATERIALS AND EXECUTION NECESSARY FOR A COMPLETE OPERATING SYSTEM.

3. PERMITS AND INSPECTIONS: OBTAIN AND PAY FOR ALL NECESSARY ELECTRICAL PERMITS AND INSPECTION. FURNISH TO THE ENGINEER, ONE COPY OF A CERTIFICATE OF FINAL INSPECTION FROM THE GOVERNMENTAL INSPECTION AUTHORITY HAVING JURISDICTION.

4. CONNECTIONS TO EQUIPMENT: PROVIDE ELECTRICAL CONNECTIONS TO ALL CONTRACTOR—FURNISHED AND OWNER—FURNISHED EQUIPMENT, FULLY COMPATIBLE WITH THE EQUIPMENT AND IN COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

5. EQUIPMENT SUPPORTS: SUPPORT EQUIPMENT SECURELY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

6. SYSTEM TESTING: MAKE FINAL ADJUSTMENTS TO ELECTRICAL SYSTEM AND ALL OPERATIONAL TESTS UNDER DIRECT SUPERVISION OF MANUFACTURER'S REPRESENTATIVE. NOTES 16. OPER. TEMPERATURE 17. ZERO POINT SHIFT SUBMERSIBLE 23. MANUFACTURER(S) TRANSMITTER MISCELLANEOUS CONDUIT: LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND TYPE
WETTED PARTS
DIAPHRAGM
SUPPLY VOLTAGE
ANALOG COMS
ANALOG COMS
DIGITAL COMS CABLE CONNECTION
CABLE TYPE
CABLE LENGTH
PRESSURE RANGE CODES AND MATERIALS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH NETA STD ATS.

WITH NETA STD ATS.

WIRING REQUIREMENTS:

a. USE ONLY BUILDING WIRE WITH TYPE THWN INSULATION IN RACEWAY.

b. USE SOLID CONDUCTOR FOR FEEDERS AND BRANCH CIRCUITS 10 AWG AND SMALLER.

c. USE STRANDED CONDUCTORS FOR CONTROL CIRCUITS.

d. CONDUCTOR SIZES ARE BASED ON COPPER CODES AND MATERIALS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH NECA 1 AND NEMA FB1.

CAST OUTLET BOXES: NEMA FB 1, TYPE FD, CAST FERALLOY. PROVIDE GASKETED COVER BY BOX MANUFACTURER. PROVIDE THREADED HUBS.

G. SUBMITTALS: PROVIDE MANUFACTURER'S PRODUCT DATA FOR CAST OUTLED BOXES. PROVIDE LARGE DIAMETER (3—INCH MINIMUM) WEIGHTED BASE CAGE ASSEMBLY.
SUBMITTALS: SUBMIT MANUFACTURER'S CATALOG DATA FOR TRANSDUCER, CABLE, MOUNTING HARDWARE, AND TRANSMITTER. ELECTRICAL DE ALL NECESSARY CORROSION RESISTANT MOUNTING HARDWARE.

DETAILED INSTRUCTIONS FOR PROPER INSTALLATION OF SENSOR, MITTER AND MOUNTING HARDWARE.

DE BARRIER FOR INTRINSICALLY SAFE APPLICATIONS.

DE LIGHTNING AND SURGE PROTECTION.

DE LIGHTLED INSTALLATION WIRING DIAGRAMS SPECIFIC TO THE LATION APPLICATION.

DE LARGE DIAMETER (3—INCH MINIMUM) WEIGHTED BASE CAGE BLY. HYDROSTATIC HEAD—PRESSURE TRANSDUCER
316 STAINLESS STEEL
316 STAINLESS STEEL
24 VDC
4-20 mADC/10-30 VDC
PROFIBUS PA/BUS POWERED 9-24 VDC
PROVIDED BY SENSOR MANUFACTURER
WATERTIGHT
POLYURETHANE
AS REQUIRED FOR INSTALLATION
BASED ON TANK OR VESSEL DIMENSIONS W/
OVER RANGE PROTECTION
-20 TO 190 DEG. F.
90% OF MEASURING RANGE REQUIREMENTS: ENDRESS HAUSER (E+H), AMERICAN SENSOR TECHNOLOGIES (AST), OR APPROVED EQUAL INDICATING
LCD
CAST ALUMINUM
FIELD
IP66 NEMA 4X MINIMUM AND AS REQUIRED FOR
ELECTRICAL AREA CLASSIFICATION MA FB 1, TYPE FD, CAST FERALLOY. PROVIDE MANUFACTURER. PROVIDE THREADED HUBS.
MANUFACTURER'S PRODUCT DATA FOR CAST OUTLET 1. CODES AND MATERIALS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH NECA 1, NEMA STD ATS AND NEMA PB 1.

2. SUBMITTALS: PROVIDE OUTLINE AND SUPPORT POINT DIMENSIONS, VOLTAGE, MAIN BUS AMPACITY, INTEGRATED SHORT CIRCUIT AMPERE RATING, CIRCUIT BREAKER ARRANGEMENT AND SIZES. INCLUDE SPARE PARTS LISTING; SOURCE AND CURRENT PRICES OF REPLACEMENT PARTS AND SUPPLIES.

3. PANELBOARD REQUIREMENTS:
a. DESCRIPTION: NEMA PB 1, BOLT—IN CIRCUIT BREAKER TYPE.
b. PANELBOARD BUS: COPPER, RATINGS AS INDICATED. PROVIDE COPPER GROUND BUS IN EACH PANELBOARD.
c. MINIMUM INTEGRATED SHORT CIRCUIT RATING: AS INDICATED ON DRAWINGS.
d. MOLDED CASE CIRCUIT BREAKERS: WITH INTEGRAL THERMAL AND INSTANTANEOUS MAGNETIC TRIP IN EACH POLE, UL LISTED.
e. ENCLOSURE: NEMA PB 1, PROVIDE NEMA 1 ENCLOSURES IN INTERIOR LOCATIONS.
f. CABINET FRONT: SURFACE TYPE, FASTENED WITH HINGED DOOR AND FLUSH LOCK, FINISH IN MANUFACTURE'S STANDARD GRAY ENAMEL.
4. INSTALLATION:
a. INSTALL PANELBOARDS IN ACCORDANCE WITH NEMA PB 1.1, NECA 1 AND NECA. CODES AND MATERIALS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH NECA 1 AND NEMA WD 6.
 SUBMITTALS: PROVIDE MANUFACTURER'S CATALOG INFORMATION SHOWING DIMENSIONS, COLORS, AND CONFIGURATIONS.
 WIRING DEVICE REQUIREMENTS:

 WIRING DEVICE REQUIREMENTS:
 WALL SWITCHES: PROVIDE HEAVY DUTY, AC ONLY HEAVY-USE SNAP SWITCH, COMPLYING WITH NEMA WD 6. SHALL BE 277 VOLT, 20 AMP RATED.
 GFCI RECEPTACLES: PROVIDE HEAVY DUTY, COMPLYING WITH NEMA WD 6. SHALL BE 20 AMP RATED DUPLEX CONVENIENCE RECEPTACLE WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER TO MEET REGULATORY REQUIREMENTS.
 WALL PLATES: PROVIDE WEATHERPROOF GASKETED CAST COVER PLATES WITH GASKETED DEVICE COVER.

 INSTALL DEVICES SECURELY, IN A NEAT AND WORKMANLIKE MANNER, AS SPECIFIED IN NECA 1.
 INSTALL DEVICES PLUMB AND LEVEL.
 INSTALL WALL SWITCHES WITH OFF POSITION DOWN.

 1. CODES AND MATERIALS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH NEMA FU 1, NEMA KS 1, AND NETA STD ATS.

2. SUBMITTALS: PROVIDE SWITCH RATINGS AND ENCLOSURE DIMENSIONS.

3. ENCLOSED SWITCH REQUIREMENTS:

4. G. FUSIBLE SWITCH ASSEMBLIES: NEMA KS 1, TYPE HD ENCLOSED LOAD INTERRUPTER KNIFE SWITCH. PROVIDE EXTERNALLY OPERATED HANDLE INTERLOCKED TO PREVENT OPENING FRONT COVER WITH SWITCH IN ON POSITION. HANDLE SHALL BE LOCKABLE IN OFF POSITION. FUSE CLIPS SHALL BE DESIGNED TO ACCOMMODATE NEMA FU 1, CLASS R FUSES.

5. D. NON-FUSIBLE ASSEMBLIES: NEMA KS 1, TYPE HD ENCLOSED LOAD INTERRUPT KNIFE SWITCH. PROVIDE EXTERNALLY OPERATED HANDLE INTERLOCKED TO PREVENT OPENING FRONT COVER WITH SWITCH IN ON POSITION. HANDLE SHALL BE LOCKABLE IN OFF POSITION.

6. ENCLOSURES: NEMA KS 1. PROVIDE NEMA 1 ENCLOSURES IN INTERIOR LOCATIONS.

A INSTALLATION: INSTALLATION:

a. SET TRANSFORMER PLUMB AND LEVEL.

b. USE FLEXIBLE LIQUID—TIGHT CONDUIT FOR CONNECTIONS TO TRANSFORMER CASE. MAKE CONDUIT CONNECTIONS TO SIDE PANEL OF ENCLOSURE.

c. MOUNT FLOOR—MOUNTED TRANSFORMERS ON VIBRATION ISOLATING PADS SUITABLE FOR ISOLATING THE TRANSFORMER NOISE FROM THE BUILDING STRUCTURE.

PROVIDE GROUNDING PER NEC 2008. EVEL.

RANSFORMER REQUIREMENTS:

a. NEMA ST 20, FACTORY ASSEMBLED, AIR COOLED DRY TYPE

TRANSFORMER, RATINGS AS INDICATED.

b. CASE TEMPERATURE: DO NOT EXCEED 35 DEGREES C RISE ABOVE

AMBIENT AT WARMEST POINT AT FULL LOAD.

c. PROVIDE WINDING TAPS PER NEMA ST 20.

d. GROUND CORE AND COIL ASSEMBLY TO ENCLOSURE BY MEANS OF A

VISIBLE FLEXIBLE COPPER GROUNDING STRAP.

e. MOUNT AS INDICATED ON DRAWINGS.

f. COIL CONDUCTORS: CONTINUOUS WINDINGS WITH TERMINATIONS BRAZED

OR WELDED.

g. TRANSFORMER ENCLOSURE: NEMA ST 20, PROVIDE NEMA 1 ENCLOSURES

IN INTERIOR LOCATIONS AND NEMA 4X ENCLOSURES IN EXTERIOR

LOCATIONS.

h. ISOLATE CORE AND COIL FROM ENCLOSURE USING VIBRATION—ABSORBING

MACHINES ISTALL PANELBOARDS PLUMB.

ROVIDE FILLER PLATES FOR UNUSED SPACES IN PANELBOARDS.

ROVIDE TYPED CIRCUIT DIRECTORY FOR EACH BRANCH CIRCUIT

ANELBOARD. REVISE DIRECTORY TO REFLECT CIRCUITING CHANGES

EQUIRED TO BALANCE PHASE LOADS.

ROVIDE ENGRAVED PLASTIC NAMEPLATES.

ROUND AND BOND PANELBOARD ENCLOSURE ACCORDING TO NEC CTURE.

TIDE GROUNDING PER NEC 2008 ATE: INCLUDE TRANSFORMER CONNECTION DATA AND OVERLOAD Y BASED ON RATED ALLOWABLE TEMPERATURE RISE. 600 VOLTS AND BELOW: MANUFACTURER'S INSTRUCTIONS.
ISCONNECT SWITCHES.
IDE DOOR OF EACH FUSED SWITCH
AND SIZE INSTALLED. TO REFLECT CIRCUITING CHANGES ADS.
PLATES.
ENCLOSURE ACCORDING TO NEC 2008. Y DUTY, COMPLYING WITH NEMA WD 6. CONVENIENCE RECEPTACLE WITH INTERRUPTER TO MEET REGULATORY AND WORKMANLIKE MANNER, AS CAST COVER PLATES COMPLY COMPLY SEE "'RECORD DOCUMENTS' STAMP" CONDITIONS OF USE. NFORMATION PROVIDED BY OTHERS AND ARE INTENDED TO SHOW THE REPORTED LOCATION OF THE WORK AND SIGNIFICANT CHANGES MADE DURING CONSTRUCTION. THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION HAS NOT BEEN FIELD VERIFIED BY AECOM AND THEREFORE AECOM DISCLAIMS RESPONSIBILITY FOR ANY ERRORS OR DMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT, AND SURTHER, AECOM CANNOT AND DOES NOT MAKE OR OFFER ANY MARRANTIES, EITHER EXPRESS OR IMPLIED, AS TO THE ACCURACY OF THESE RECORD DOCUMENTS. RECORD DOCUMENTS ON SHEET G001 FOR ADDITIONAL RENOVATION OF CLEARBROOK LIFT STATION AECOM 10 S. JEFFERSON STREET SUITE 1600 ROANOKE, VIRGINIA 24011 (540) 857-3100 **AECOM**

01-2016

DATE

MARK

 \bigcirc

IPC

WCH

AS-BUILT REVISIONS PER E C PACE & CO., INC.

DESCRIPTION

 \Box

REVISIONS

5

G003

WCH WCH

 \supset

SPECIFICATIONS

 \square