APPLICABLE CONTRACT
DRAWINGS
ISSUED FOR CONSTRUCTION

DESIGN PACKAGE DP #3
SCA WATER TREATMENT PLANT (WTP)
TOWN OF CAMILLUS, NEW YORK

HONEYWELL INTERNATIONAL, INC.
MORRISTOWN, NEW JERSEY

MARCH 22, 2010

O'BRIEN & GERE

233 WEST WASHINGTON STREET
SYRACUSE, NY 13202
PHONE: 315-465-6500

INDEX TO DRAWINGS

MARCH 22, 2010

IT IS A VIOLATION OF LAW FOR ANY PERSON OTHER THAN THE PERSON AUTHORIZED ACTING UNDER THE DIRECTION OF A LICENSIALED PROFESSIONAL ENGINEER TO ALTER THIS DOCUMENT.
NOTE:
1. SEE SHEET G-2 FOR SITE FINAL GRADE ELEVATIONS.
2. SEE SHEET M-1 FOR TYPICAL SECTIONS FOR FINAL SURFACE TREATMENT AND THE LOCATIONS OF PRE-LOAD REMOVAL FOR EACH OF THE WASTE SURFACE REGIONS SHOWN.
3. PRE-LOAD REMOVAL CONTRACTOR TO INJECTION EVIDENCE OF REMOVAL IN L.O.V. AREA.

POST PRE-LOAD CONSTRUCTION SEQUENCE:

STEP 1 - INSTALL ALL UNDERGROUND UTILITIES THAT ARE LOCATED WITHIN THE PROPOSED LIMITS OF THE GROUND WATER TREATMENT REGION.

STEP 2 - INSTALL THE WARMER, STONE FILL, SEEDING, AND RUN-OFF-DRAINAGE AS SHOWN ON THE DRAWING.

STEP 3 - INSTALL SEWERS AT THE LOCATIONS SHOWN. THE SEWERS AND SEWER HEADS SHOULD BE CUT AT THOSE LOCATIONS PRIOR TO THE INSTALLATION.

STEP 4 - CONSTRUCT CONCRETE PAVERS AND FOOTPATHS AND PAVE ACCESS ROADS AS REQUIRED.
EXISTING RETENTION POND

CONNECT TO EXISTING 24" LINE IN 260 FT DEPTH
EXISTING 30' FV

24" TEE INSTALLED 09-17

1. SEE SHEETS U-4 & U-7 FOR EXISTING PIPELINE PROFILES, R.M. AND ELEVATION ELEVATIONS.

TOWN OF CAMILLUS, NEW YORK
EFFLUENT PIPELINE PLAN
STA. 0+00 TO STA. 14+25

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HONEYWELL INTERNATIONAL, INC.
WATER TREATMENT PLANT

FILE NO.
1163.4564/3-10

IN CHARGE OF: N.E. HERNANDO
DATE
OCT. 26, 2010

DESIGNED BY: M.E. FERDINAND
CHECKED BY: J.S.
DRAWN BY: S.L. GOSS
CHEMICAL FEED LEAK DETECTION MANHOLE DETAIL

GROUT LINES (2 Qty 2 Working) & Vgroove 3" x 1" SPACE
SULFURIC ACID PIPING SECTION

ALUM & SODIUM HYDROXIDE PIPING SECTION

SULFURIC ACID PIPING SECTION
SCALE 1:10

SODIUM HYDROXIDE 1" CARRER TUBING 7A SECONDARY CONTAMINANT FOR SODIUM HYDROXIDE SIZE OR AS REQUIRED FOR 2'' INSULATION

SALT FENCE DETAIL
SCALE 1:10

GROUT LINES (3 Qty 3 Working) & Vgroove 2" x 1" SPACE
SODIUM HYDROXIDE 1/2" CARRER TUBING 8A SECONDARY CONTAMINANT FOR SODIUM HYDROXIDE SIZE OR AS REQUIRED FOR 2'' INSULATION

STABILIZED CONSTRUCTION ENTRANCE DETAIL

SANITARY HOLDING TANK DETAIL

NOTE
1. SEPTIC TANK SHALL SUPPORT H-20 LOADINGS AND BE CONSTRUCTED CONCRETE PRODUCTS, INC. DRAWING NUMBER 81-1200-7 OR APPROVED EQUAL. INSIDE DIMENSIONS 8'-0" LONG BY 5'-0" WIDE.

SANITARY HOLDING TANK DETAIL
NOT TO SCALE

DISCLAIMER: SEE NOTE 7 RECOMMENDED DESIGN

SECTION DETAILS

POSTS: STEEL, STEP 1 ON 8' PIPE OR 2' HAND RAIL
FENCE: WOVEN WIRE 14-GAUGE 6' MAX WITH OPENINGS
FILTER CLOTH: MINIMUM TENSILE STRENGTH OF 100 LBS. (WTH 112020)
PRE-FABRICATED UNIT
STANDARD STAIN: 10F-9F

STABILIZED CONSTRUCTION ENTRANCE DETAIL

1. STABILIZATION ENTRANCE ENTRANCES SHALL BE INSTALLED AT INMATURE/EXPOSED LOCATIONS AS SHOWN ON SHEET SI-180 AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
2. STONE SIZE - USE 3'-0" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
3. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET
4. THICKNESS - NOT LESS THAN 12" THICK
5. WHEN TWENTY-FOUR (24) PIECE MAXIMUM, NOT LESS THAN THE FULL WIDTH AT POINTS WHERE DEPOSITS EXCEED 1-0" DEEP.
6. FILTER FABRIC (DRAIN BAG OR EQUIVALENT) - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
7. SURFACE WATER - ALL SURFACE WATER FLOWING OR PERVIOUS TOWARDS CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS NOT POSSIBLE, A MICROBIAL SEED 2"-MAX. THICK WITH 0.5' SUPERFICIAL WILL BE EMPLOYED.
8. MAINTENANCE - THE ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHERE ICE OR DEBRIS ACCUMULATING ON THE EDGE OF THE ENTRANCE PRODUCTS ESSENTIAL ACCESS. A BIPED MAY REQUIRE PERIODIC CLEARING WITH ADDITIONAL STONE AS CONDITION DETERMINE. REPAIR AND REPLACE AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
9. TRASH CANS - TO BE INSTALLED AT ENTRANCE TO PROVIDE DUMPING AREA.
10. WATER POLLUTION - A PROPER WATER POLLUTION DETAIL SHALL BE INCLUDED, TO ADOPT THE LOCAL REGULATIONS.
11. PONDING PROHIBITED AND WATER POLLUTION MUST BE PERFORMED IN ACCORDANCE WITH THE PROJECT STORM WATER POLLUTION PREVENTION PLAN.

HONEYWELL INTERNATIONAL, INC.

WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

MISCELLANEOUS DETAILS

IN CHARGE: M.L. REMINGTON
DESIGNED BY: M.E. CHECKED BY: R.S.
DRAWN BY: M.L./ELO
DATE: OCT. 26, 2010