



GENERAL NOTES

- LOCATION**
 - DISPOSAL BED FOR A SUBSURFACE DISPOSAL SYSTEM SHALL BE LOCATED ADJACENT TO SOIL LOGS PERFORMED ON LOT 3 BLOCK 48 TOWNSHIP OF RANDOLPH, MORRIS COUNTY, N.J. BY FRENCH & PARRELLO ASSOCIATES.
 - NO TREES OR SPRINKLERS SHALL BE LOCATED WITHIN 10' OF THE DISPOSAL FIELD.
- CONSTRUCTION**
 - THE DISPOSAL SYSTEM AND ALL ITS COMPONENT PARTS SHALL BE CONSTRUCTED AND INSTALLED TO CONFORM IN ALL DETAILS TO THE REQUIREMENTS SET FORTH IN "STANDARDS FOR INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS", N.J.A.C. 7:9A.
 - THE BUILDING SEWER SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE STATE UNIFORM CONSTRUCTION CODE, N.J.A.C. 5:23, ADOPTED PURSUANT TO THE UNIFORM CONSTRUCTION CODE ACT N.J.S.A. 52:270-119 ET SEQ. AND AS INDICATED ON THESE PLANS.
 - LIMIT OF CONTRACT IS SHOWN ON SITE PLAN. STORAGE OF MATERIALS OR OTHER DISTURBANCE BEYOND CONTRACT LIMITS MUST BE APPROVED BY AND COORDINATED WITH OWNERS REPRESENTATIVE.
- SEPTIC TANK**
 - THE SEPTIC TANK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF N.J.A.C. 7:9A.
 - THE SEPTIC TANKS SHALL HAVE A LIQUID CAPACITY OF NO LESS THAN 2000 & 1000 GALLONS.
 - FOLLOWING SETTING OF SEPTIC TANK IN ITS FINAL INSTALLED LOCATION, A WATER TIGHTNESS TEST SHALL BE PERFORMED AND TESTED FOR WATER TIGHTNESS IN ACCORDANCE WITH N.J.A.C. 7:9A-8.2(f).
- CONNECTING AND DELIVERING PIPES**
 - CONNECTING PIPES BETWEEN THE RESTROOM BUILDING AND SEPTIC TANK SHALL BE 4" DIAMETER PVC SCHEDULE 40.
 - CONNECTING PIPE BETWEEN THE SEPTIC TANK AND THE DISTRIBUTION BOX SHALL BE 4" DIAMETER PVC SCHEDULE 40.
 - SAID PIPES SHALL BE INSTALLED IN ACCORDANCE WITH N.J.A.C. 7:9A, SUBCHAPTER 8.2(C) THROUGH (E), INCLUSIVE.
 - SAID PIPES SHALL HAVE A MINIMUM SLOPE OF 2.0%.
- DISTRIBUTION BOX**
 - THE SEPTIC TANK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF N.J.A.C. 7:9A-9.4.
 - THE DISTRIBUTION BOX SHALL BE CONSTRUCTED OF POURED IN PLACE CONCRETE OR REINFORCED PRECAST CONCRETE AND CONTAIN A MINIMUM OF 9 OUTLETS.
 - CONTRACTOR TO SUPPLY DESIGN ENGINEER WITH COPY OF SHOP DRAWING FOR APPROVAL PRIOR TO CONSTRUCTION.
 - DISTRIBUTION BOX ACCESS OPENING SHALL BE SET 12"-18" BELOW FINISHED GRADE. THE BOX SHALL BE WATER TIGHT AND SHALL BE SET LEVEL.
- LATERALS**
 - THE LATERALS SHALL BE 4" DIAMETER PVC ASTM D-2729 PERFORATED, CONSTRUCTED AND INSTALLED AS PER N.J.A.C. 7:9A, SUBCHAPTER 9.5.
- DISPOSAL BED**
 - THE DISPOSAL BED SHALL BE INSTALLED IN CONFORMANCE WITH N.J.A.C. 7:9A, SUBCHAPTER 10 AND IN CONFORMANCE WITH ENGINEERING DETAILS ON THESE PLANS.
 - INSTALL SUITABLE FILL IN AREA INDICATED ON PLAN. SUITABLE FILL WITHIN THE ZONE OF DISPOSAL SHALL COMPLY WITH N.J.A.C. 7:9A-10.1(f)(4).
 - COURSE FRAGMENT CONTENT (GREATER THAN A NO. 8 SIEVE) LESS THAN 10% BY VOLUME OR LESS THAN 20% BY WEIGHT.
 - TEXTURAL ANALYSIS BETWEEN 80% AND 100% MUST PASS A NO. 8 SIEVE; BETWEEN 50% AND 80% MUST PASS A NO. 16 SIEVE; BETWEEN 25% AND 60% MUST PASS A NO. 30 SIEVE; BETWEEN 10% AND 50% MUST PASS A NO. 50 SIEVE; AND BETWEEN 2% AND 10% MUST PASS A NO. 100 SIEVE; AND
 - PERMEABILITY FOR THIS MATERIAL IS ESTABLISHED AT 6 TO 20 INCHES PER HOUR FOR DESIGN PURPOSES.
 - SELECT FILL TO BE PLACED IN HORIZONTAL LIFTS NOT EXCEEDING 12" WITH FILL COMPACTED TO 90% OF ITS MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-155 MODIFIED PROCTOR TEST.
 - ALL EXCAVATION AND BACKFILL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SAFETY REGULATIONS.
 - SELECT FILL SHALL BE CERTIFIED BY ENGINEER FOR COMPACTION, PERMEABILITY, ELEVATION, AND CONFORMANCE WITH N.J.A.C. 7:9A.
- OPERATION AND MAINTENANCE**
 - SYSTEM USE**
 - THE DISPOSAL FIELD SHALL BE USED ONLY FOR DISPOSAL OF WASTES OF THE TYPE AND ORIGIN INDICATED ON THESE PLANS.
 - SYSTEM INSPECTION REQUIREMENTS**
 - THE DISPOSAL SYSTEM SHALL BE INSPECTED ONCE EVERY YEAR COMMENCING THREE YEARS AFTER INSTALLATION OR PUMP OUT OF THE SEPTIC TANK (IF THE TANK IS PUMPED OUT EVERY YEAR, UNDER NORMAL CIRCUMSTANCES, NO INSPECTION SHOULD BE REQUIRED).
 - SEPTIC TANK MAINTENANCE**
 - THE CONTENTS OF THE SEPTIC TANK SHALL BE REMOVED BY PUMPING WHENEVER EITHER OF THE FOLLOWING CONDITIONS ARE NOTED DURING THE COURSE OF INSPECTION:
 - THE BOTTOM OF THE SCUM LAYER IS WITHIN 3" OF THE BOTTOM OF THE OUTLET BAFFLE.
 - THE BOTTOM OF THE SLUDGE LAYER IS WITHIN EIGHT (8) INCHES OF THE BOTTOM OF THE OUTLET BAFFLE.

DESIGN CRITERIA/CALCULATIONS(N.J.A.C. 7:9A-7.4)
 5 BEDROOM HOME
 REQUIRED: FIRST BEDROOM = 200 GAL/DAY
 ADDITIONAL BEDROOM = 4 BEDROOM X 150 GAL/DAY = 600 GAL/DAY
 TOTAL Q = 800 GAL/DAY
SEPTIC TANK SIZING (N.J.A.C. 7:9A-8.2)
 REQUIRED: 1.5 X Q = 1.5 X 800 GAL/DAY = 1200 GAL
 USE 1500 GAL TANK
DISPOSAL FIELD SIZE (N.J.A.C. 7:9A-10.2)
 REQUIRED: FOR SOILS CLASSIFIED AS K-4 (SOIL REPLACEMENT)
 USE VALUE 1.61 FT²/GAL/DAY
 REQUIRED DISPOSAL BED SIZE (L) = 1.61 X 800 GAL/DAY = 1,288 S.F.
 BED PROVIDED 24 X 59 = 1,416 S.F.

No.	Date	Revision	By	Checked By
4	05/07/18	ISSUED FOR BID	SKW	DFK
3	03/26/18	PER N.J.A.C. COMMENTS	SKW	DFK
2	03/12/18	PER N.J.A.C. COMMENTS	SKW	DFK
1	02/14/18	PER N.J.A.C. COMMENTS	SKW	DFK

DATE: 01/03/2018
 DESIGNED BY: RJB
 CHECKED BY: SKW

SCALE: AS NOTED
 FIELD BOOK

PROJECT NUMBER: 12259.001
 SHEET: 23 of 23

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SEWAGE DISPOSAL NOTES & DETAILS
 FOR
CALAIS ROAD PARK
 LOTS 2 & 3 BLOCK 49
 TOWNSHIP OF RANDOLPH
 MORRIS COUNTY NEW JERSEY

G:\V2K\12200\12259 - Rec Complex\CADD\DWG\12259-001-DSPH.dwg DISPOSAL DETAILS