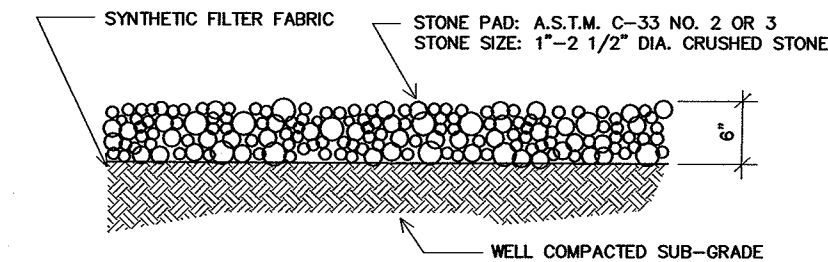


BERGEN COUNTY SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL NOTES

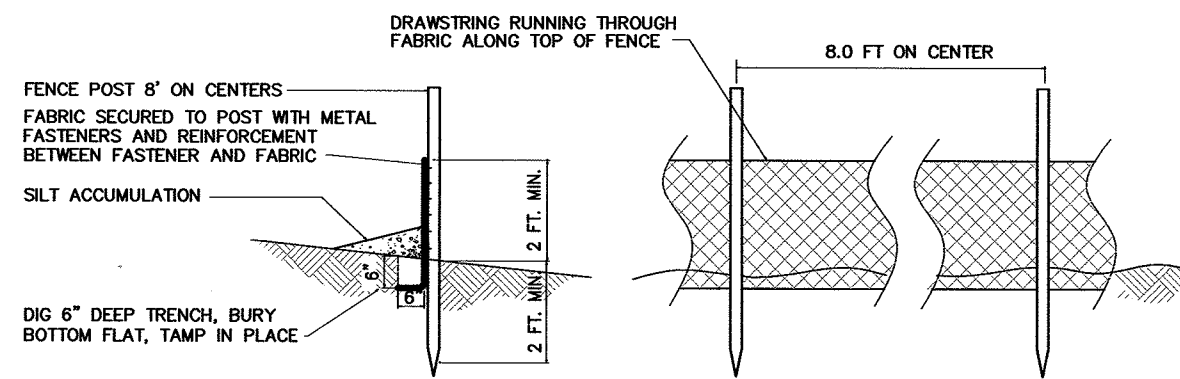
- All soil erosion and sediment control practices will be installed in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey (NJ Standards), and will be installed in proper sequence and maintained until permanent stabilization is established.
- Any disturbed area that will be left exposed for more than thirty (30) days and not subject to construction traffic shall immediately receive a temporary seeding and mulch. If the season prohibits temporary seeding, the disturbed area will be mulched with untreated straw at a rate of 2 tons per acre anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).
- Immediately following initial disturbance or rough grading, all critical areas subject to erosion will receive a temporary seeding in combination with straw mulch or a suitable equivalent, at a rate of 2 tons per acre, according to the NJ Standards.
- Stabilization Specifications:**
 - Temporary Seeding and Mulching:
 - Ground Limestone - Applied uniformly according to soil test recommendations.
 - Fertilizer - Apply 11 lbs./1,000 sq ft of 10-20-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise) worked into the soil a minimum of 4".
 - Seed - General purpose 100 lbs./acre (2.3 lbs./1,000 sq ft) or other approved seeds; plant between March 1 and May 15 or between August 15 and October 1.
 - Mulch - Untreated straw or hay at a rate of 70 to 90 lbs./1,000 sq ft applied to achieve 95% soil surface coverage. Mulch shall be anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).
 - Permanent Seeding and Mulching:
 - Topsoil - A uniform application to an average depth of 5", minimum of 4" firm in place is required.
 - Ground Limestone - Applied uniformly according to soil test recommendations.
 - Fertilizer - Apply 11 lbs./1,000 sq ft of 10-20-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise) worked into the soil a minimum of 4".
 - Seed - Turf Type Tall Fescue (blend of 3 cultivars) 350 lbs./acre (8 lbs./1,000 sq ft) or other approved seeds; plant between March 1 and October 1.
 - Summer seeding require irrigation.
 - Mulch - Untreated straw or hay at a rate of 70 to 90 lbs./1,000 sq ft applied to achieve 95% soil surface coverage. Mulch shall be anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).
- The site shall at all times be graded and maintained such that all Stormwater runoff is diverted to soil erosion and sediment control facilities.
- Soil erosion and sediment control measures will be inspected and maintained on a regular basis, including after every storm event.
- Stockpiles are not to be located within 50' of a floodplain, slope, roadway or drainage facility. The base of all stockpiles shall be contained by a haybale sediment barrier or silt fence.
- A crushed stone, vehicle wheel-clearing blanket will be installed wherever a construction access road intersects any paved roadway. Said blanket will be composed of 1" - 2" crushed stone, 6" thick, will be at least 30' x 100' and should be underlain with a suitable synthetic sediment filter fabric and maintained.
- Maximum side slopes of all exposed surfaces shall not exceed 3:1 unless otherwise approved by the District.
- Driveways must be stabilized with 1" - 2" crushed stone or subbase prior to individual lot construction.
- All soil washed, dropped, spilled or tracked outside the limit of disturbance or onto public right-of-way, will be removed immediately. Paved roadways must be kept clean at all times.
- Catch basin inlets will be protected with an inlet filter designed in accordance with Section 28-1 of the NJ Standards.
- Storm drainage outlets will be stabilized, as required, before the discharge points become operational.
- Decontaminating operations must discharge directly into a sediment control bag or other approved filter in accordance with Section 14-1 of the NJ Standards.
- Dust shall be controlled via the application of water, calcium chloride or other approved method in accordance with Section 16-1 of the NJ Standards.
- Trees to remain after construction are to be protected with a suitable fence installed at the drip line or beyond in accordance with Section 9-1 of the NJ Standards.
- The project owner shall be responsible for any erosion or sedimentation that may occur below stormwater outlets or off-site as a result of construction of the project.
- Any review to the certified Soil Erosion and Sediment Control Plan must be submitted to the District for review and approval prior to implementation in the field.
- A copy of the certified Soil Erosion and Sediment Control Plan must be available at the project site throughout construction.
- The Bergen County Soil Conservation District must be notified, in writing, at least 48 hours prior to any land disturbance: Bergen County 525, 700 Independence Road, Suite 105, Oradell, NJ 07649. Tel: 201-281-4407; Fax: 201-281-7253.
- The Bergen County Soil Conservation District may request additional measures to minimize on or off-site erosion problems during construction.
- The owner must obtain a District issued report of compliance prior to the issuance of any certificate of occupancy. The District requires at least one week's notice to facilitate the scheduling of all report of compliance inspections. All site work must be completed, including temporary/permanent stabilization of all exposed areas, prior to the issuance of a report of compliance by the District.

SEQUENCE OF CONSTRUCTION

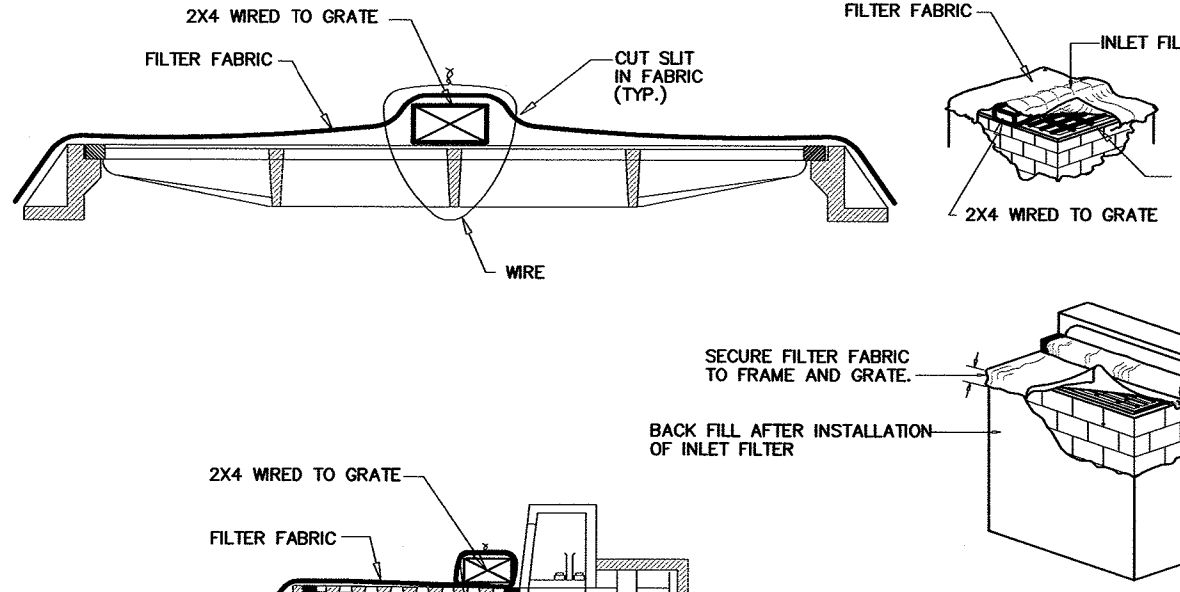
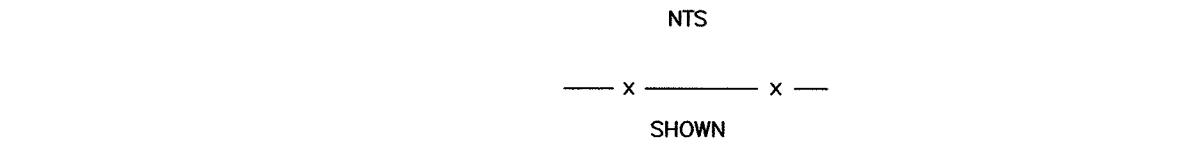
- INSTALL 25'X50' TRACKING BED AT CONSTRUCTION ENTRANCE
- INSTALL SILT FENCE ALONG PROPERTY SUBJECT TO SOIL EROSION
- CONSTRUCT SEPTIC SYSTEMS
- DEMOLISH EXISTING DWELLING
- REMOVE TOPSOIL AND STOCKPILE
- PROVIDE ROUGH GRADING FOR SITE
- EXCAVATE FOR NEW BUILDING, DRIVEWAY, AND UTILITIES
- CONSTRUCT NEW BUILDING, PROVIDE PAVEMENT BASE
- COURSE ON DRIVEWAY
- PROVIDE FINAL GRADING, TOPSOIL REPLACEMENT, AND LANDSCAPING
- PROVIDE FINAL PAVING
- REMOVE SOIL EROSION CONTROL DEVICES AS DIRECTED BY LOCAL SERVICE



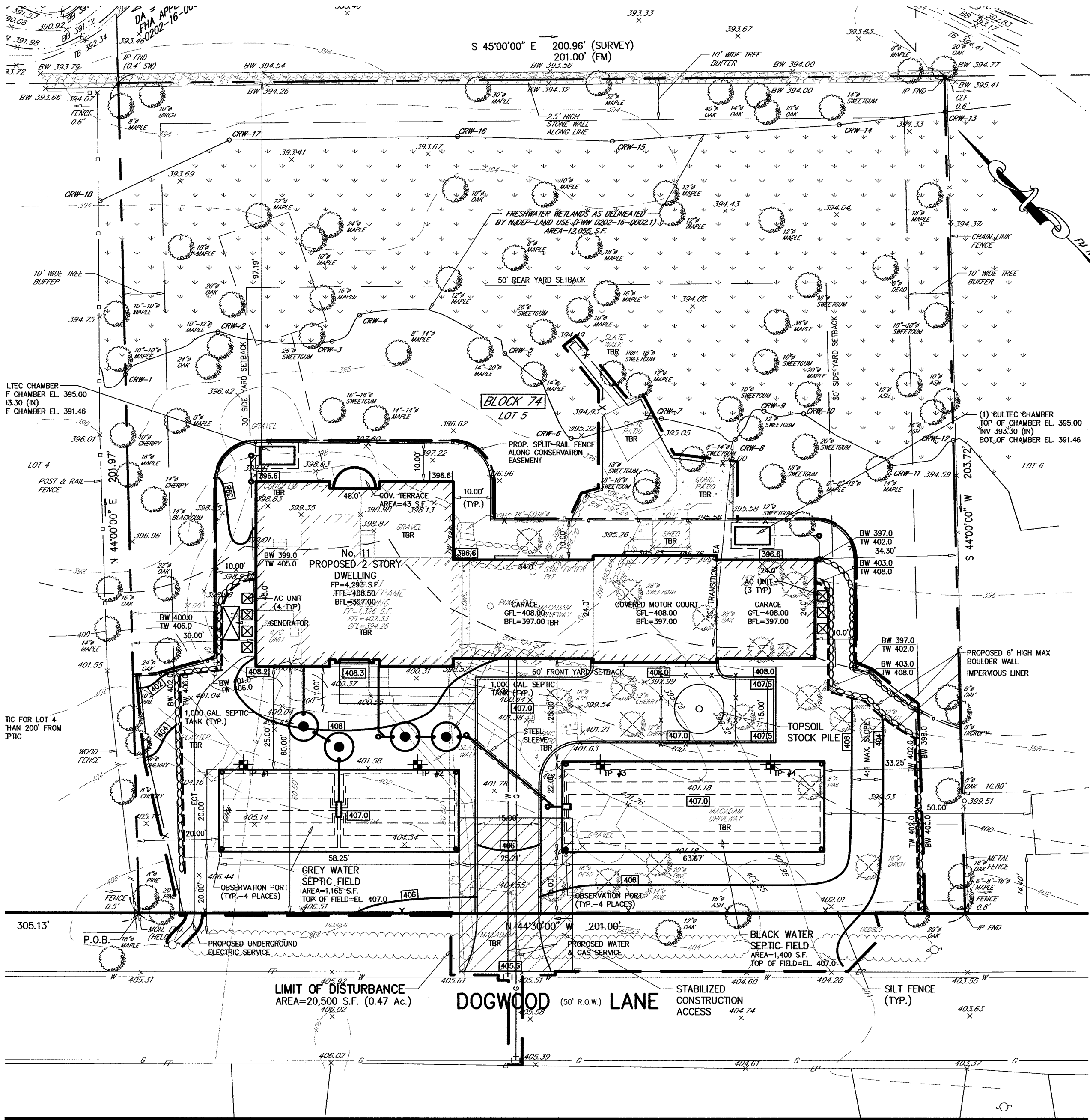
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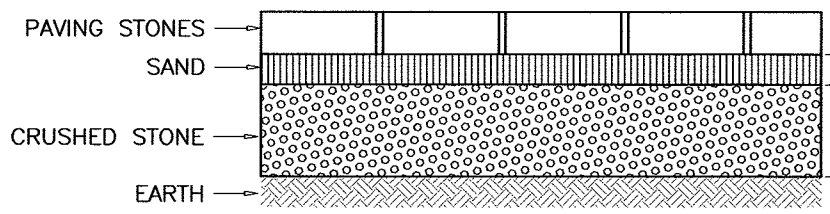
SILT FENCE CONSTRUCTION AND INSTALLATION DETAIL



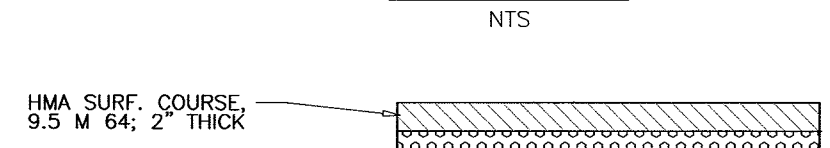
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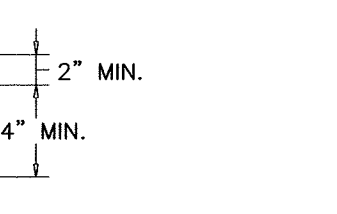
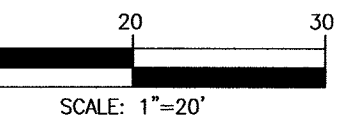
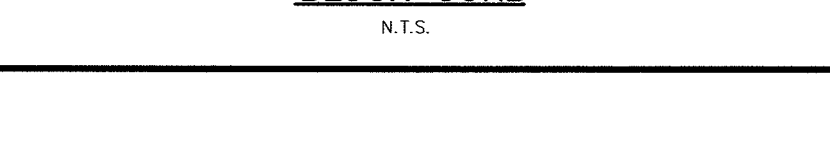
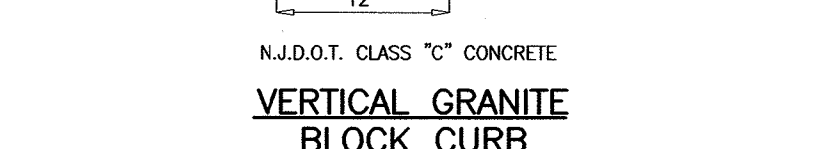
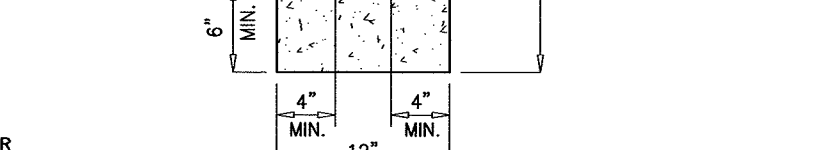
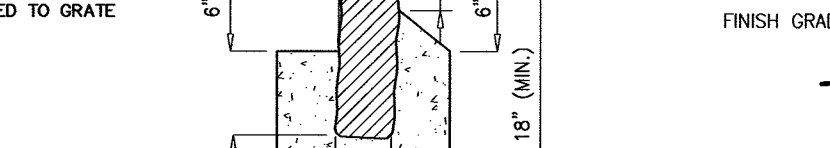
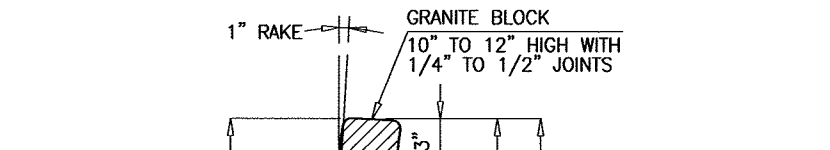
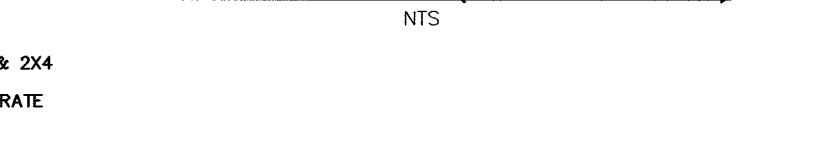
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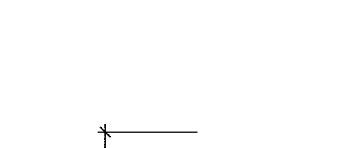
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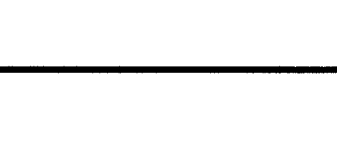
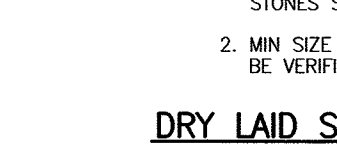
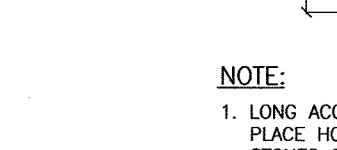
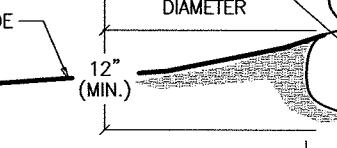
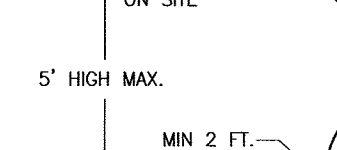
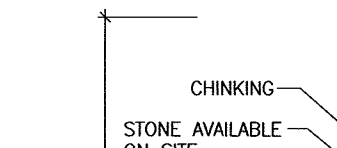
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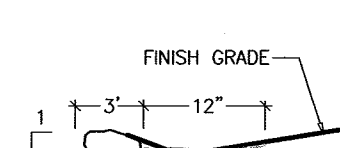
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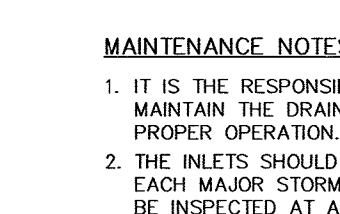
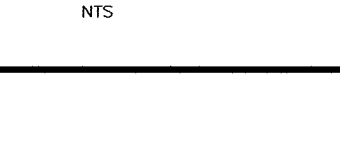
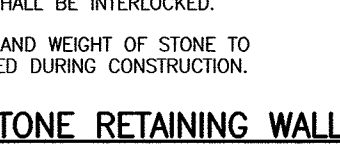
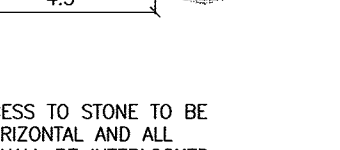
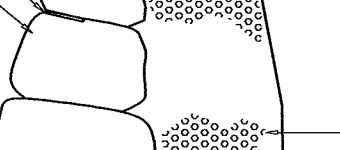
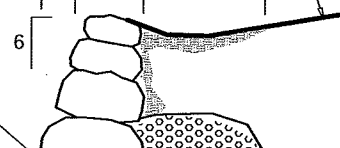
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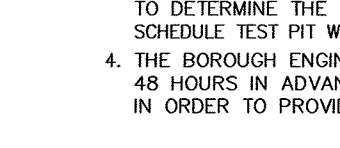
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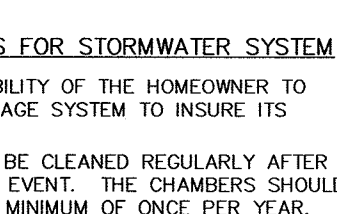
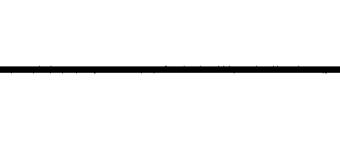
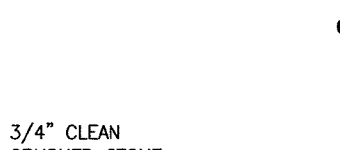
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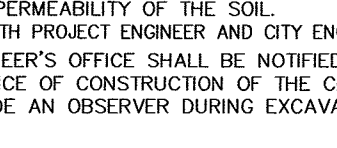
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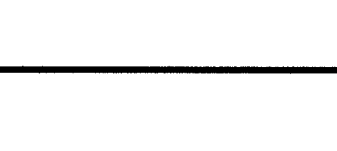
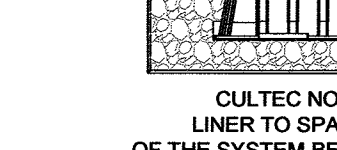
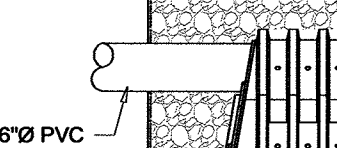
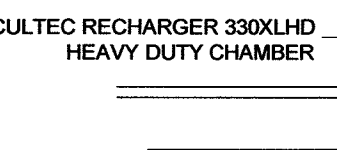
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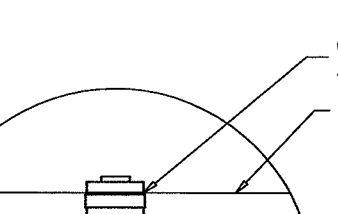
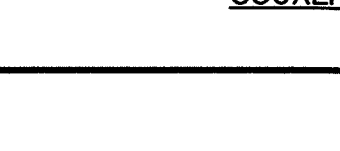
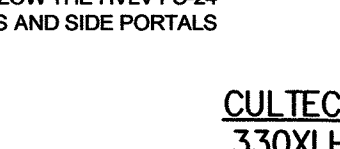
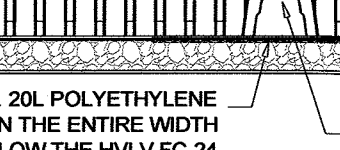
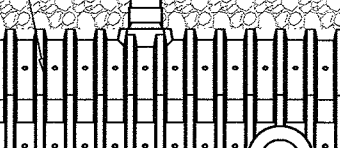
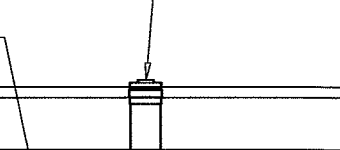
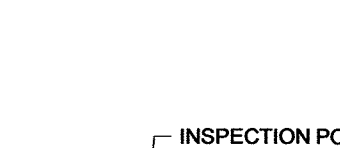
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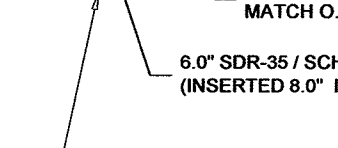
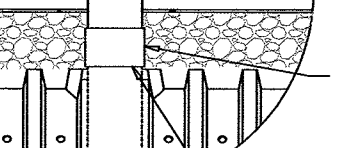
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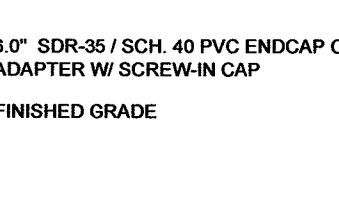
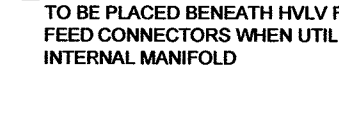
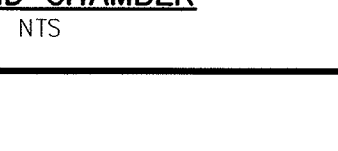
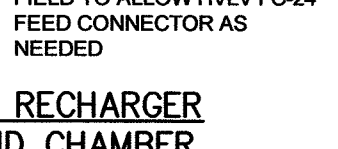
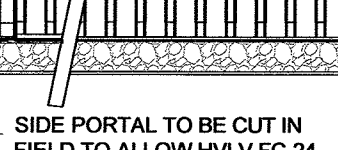
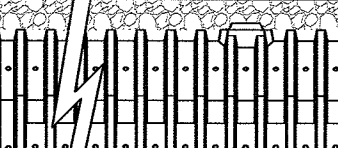
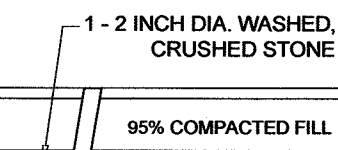
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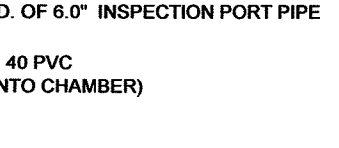
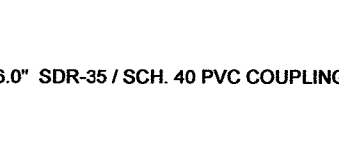
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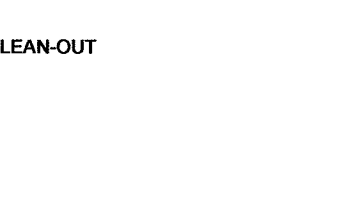
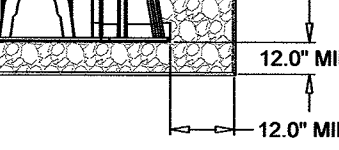
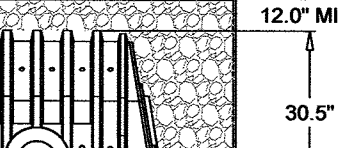
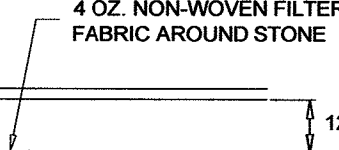
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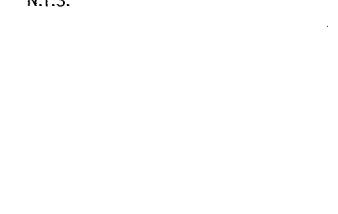
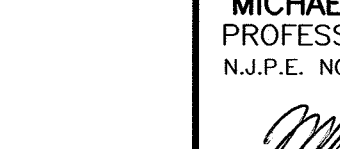
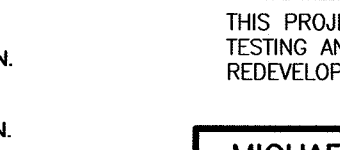
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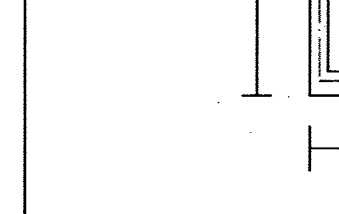
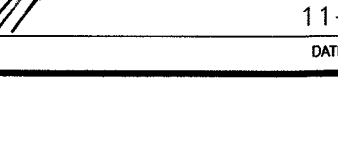
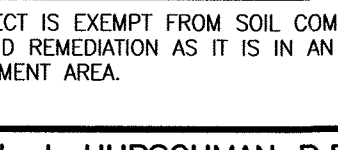
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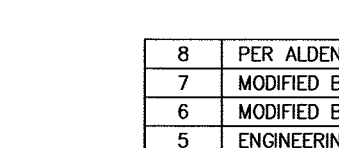
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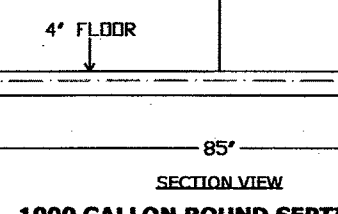
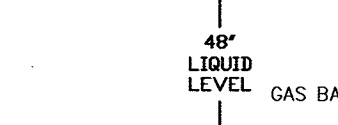
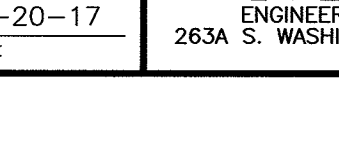
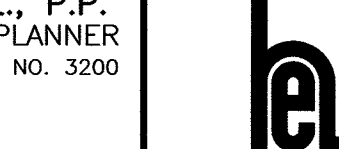
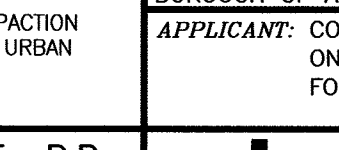
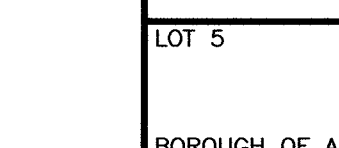
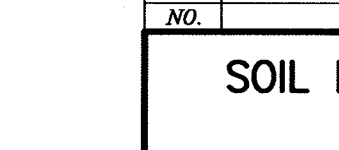
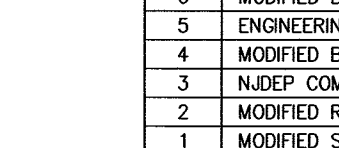
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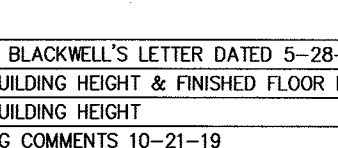
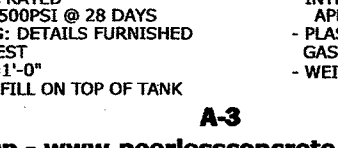
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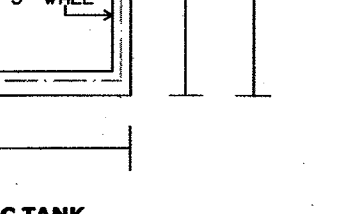
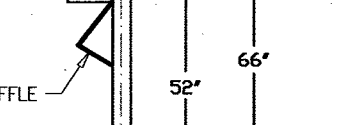
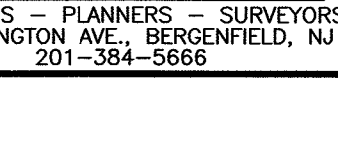
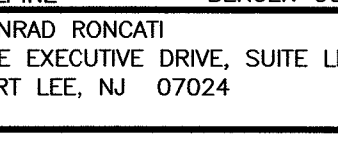
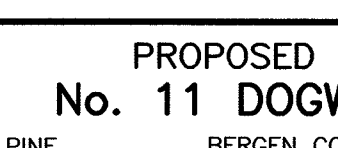
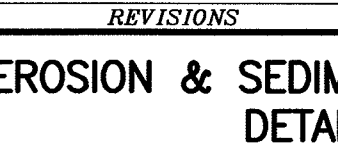
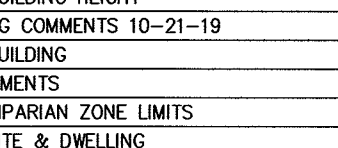
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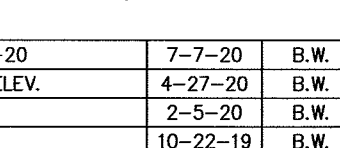
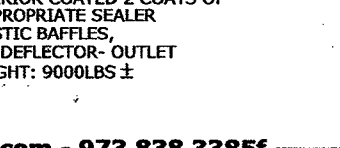
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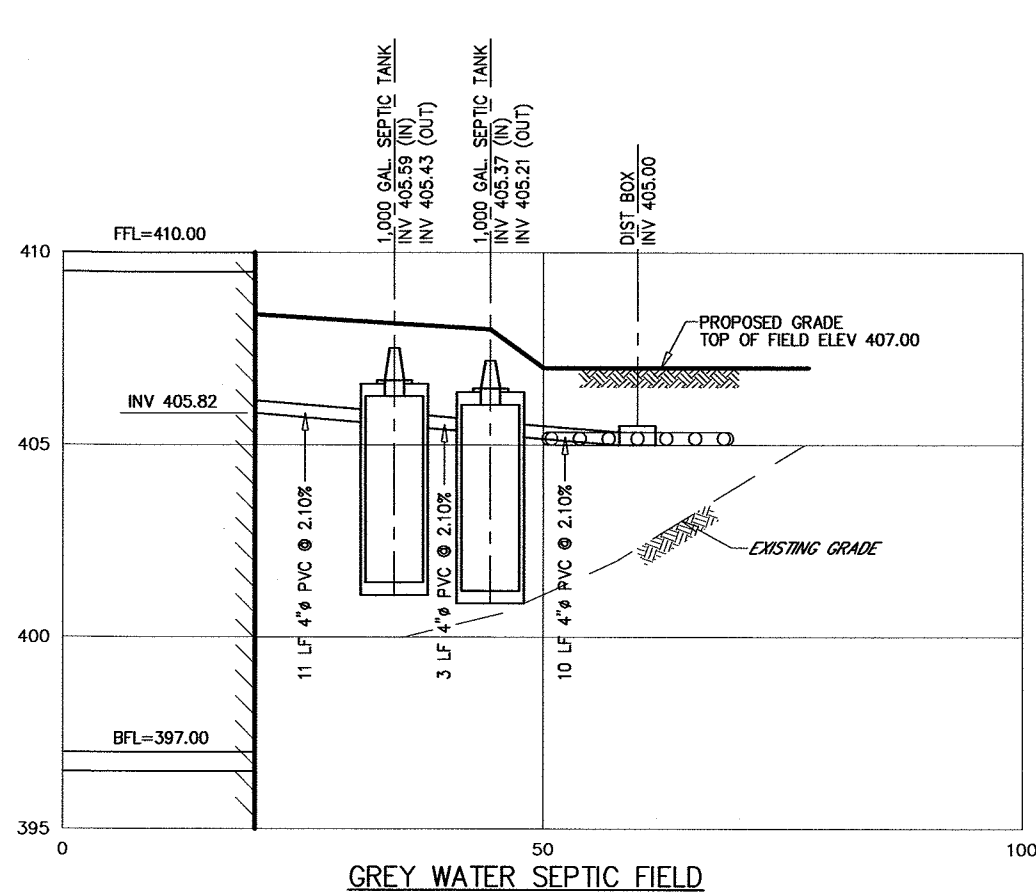
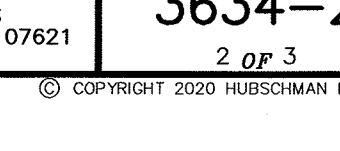
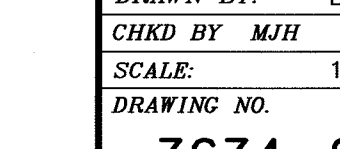
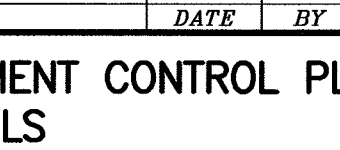
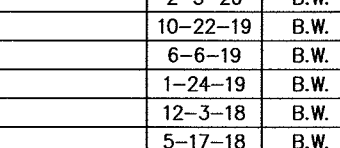
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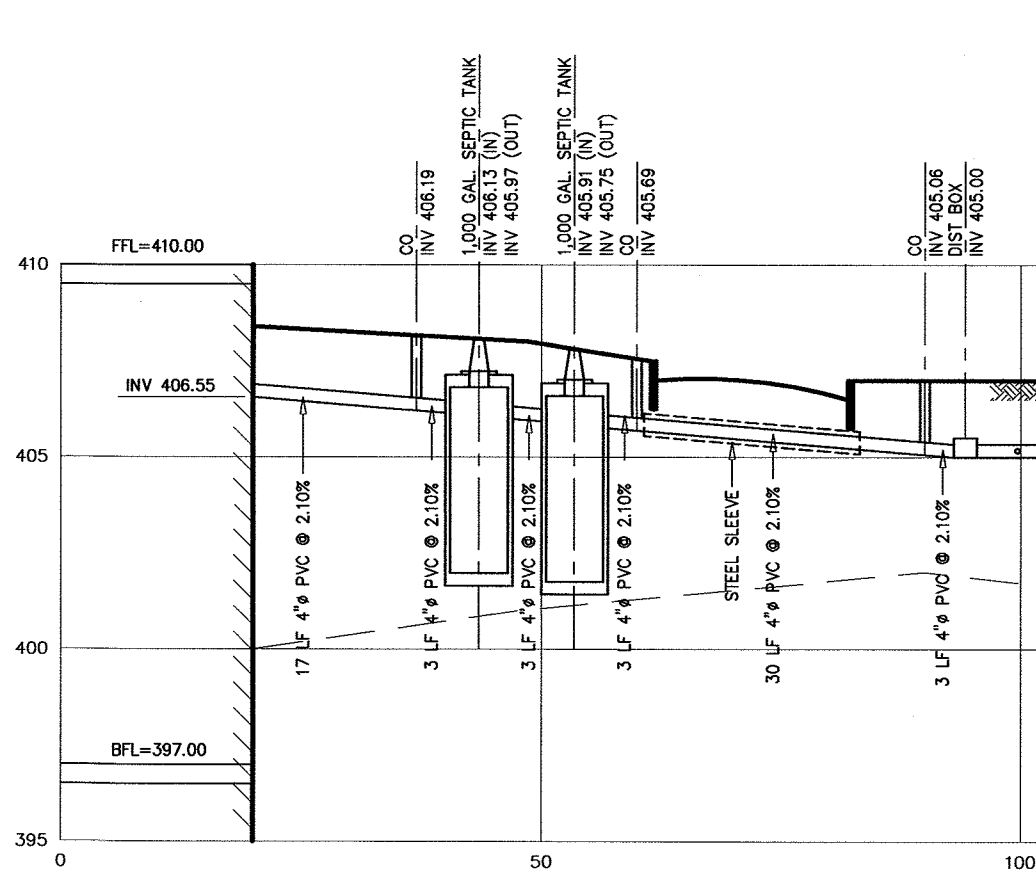
PAVER DETAIL



PAVING DETAIL (FOR DRIVEWAY)

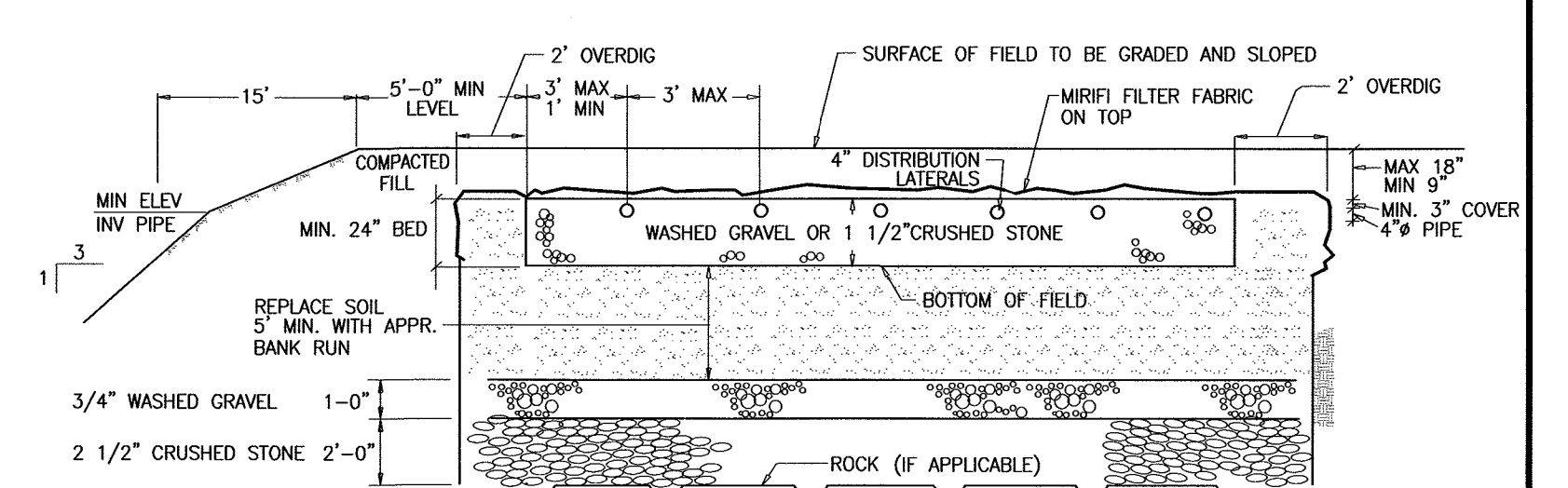
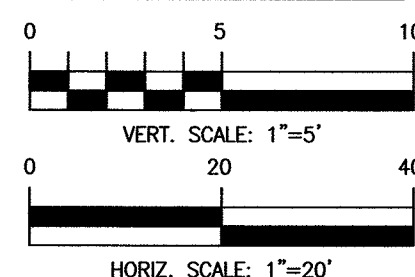


GREY WATER SEPTIC FIELD



BLACK WATER SEPTIC FIELD

SEPTIC FIELD PROFILES



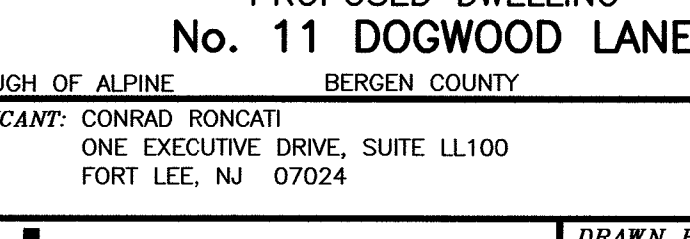
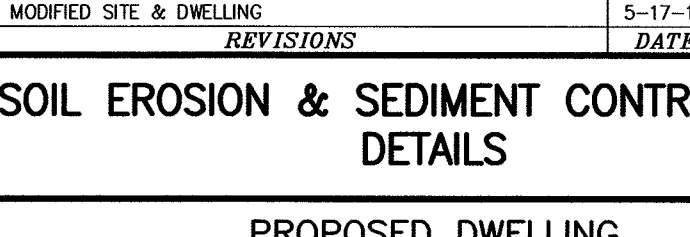
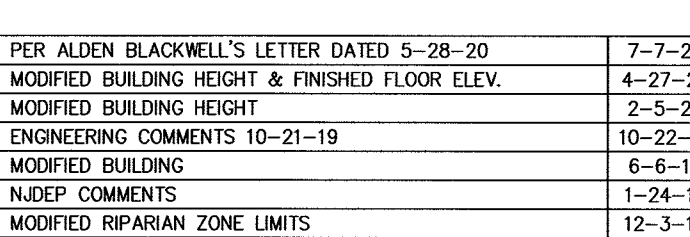
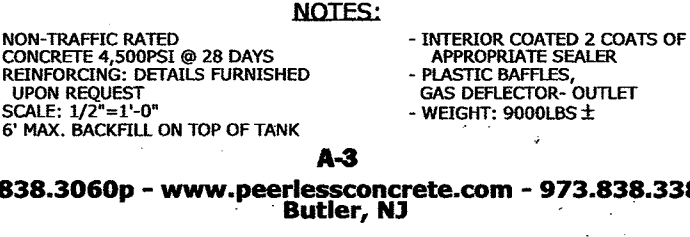
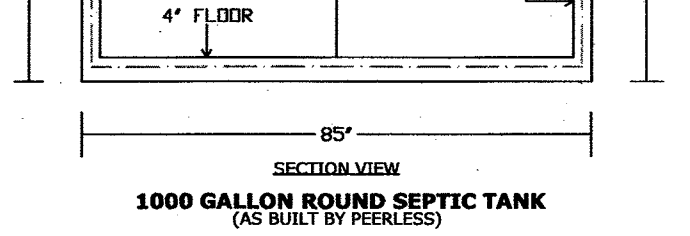
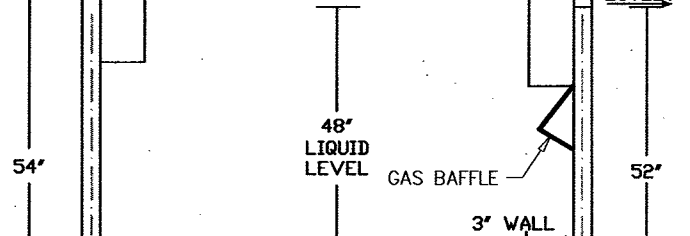
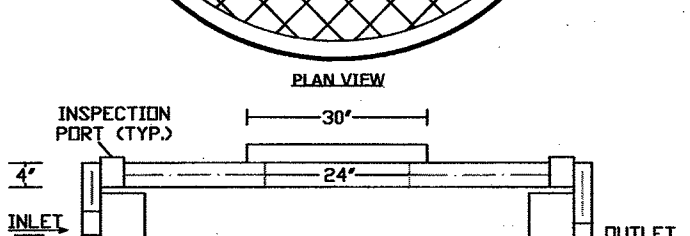
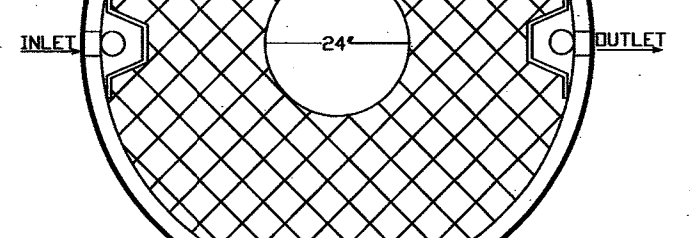
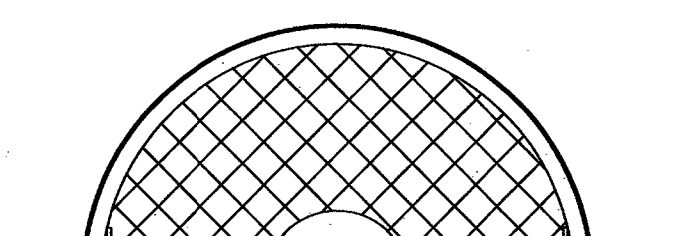
TYPICAL CROSS SECTION OF FIELD

NOTE: USE OF RECYCLED CONC. IN FIELD NOT PERMITTED.

ALPINE SEPTIC NOTES

- ALL EXISTING SUBSOIL WITHIN THE LIMITS OF THE DISPOSAL FIELD TO BE REMOVED AND REPLACED WITH AN APPROVED BANK RUN MATERIAL. INITIAL SURFACE OF REFILLING SHALL BE HIGHER THAN BOTTOM ELEVATION OF THE SANITARY PIPING. AFTER CONSOLIDATION OF SILT IN ORDER TO PROVIDE OPTIMUM AEROBIC CONDITIONS.
- THE INVERTS OF DISPOSAL FIELD DISTRIBUTION LATERALS ARE TO BE NOT LESS THAN SIX FEET ABOVE GROUND WATER LEVEL AND NOT LESS THAN EIGHT FEET ABOVE UNDERLYING ROCK.
- ALL ROOF LEADER DISCHARGE AND SURFACE WATER FLOW SHALL BE DIVERTED AWAY FROM THE DISPOSAL AREA BY SWALES OR PIPING ARRANGEMENT SATISFACTORY TO THE HEALTH DEPARTMENT.
- A MINIMUM OF 75 FEET SHALL BE MAINTAINED BETWEEN ANY EXISTING WATER COURSE AND THE NEAREST SIDE OF THE DISPOSAL BED.
- THE ENGINEER SHALL NOTIFY THE HEALTH DEPARTMENT WHEN THE DISPOSAL AREA HAS BEEN PREPARED FOR THE INSTALLATION OF THE DISPOSAL FIELD. THE DISPOSAL FIELD SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- ALL TREES WITHIN AND ADJACENT TO THE DISPOSAL FIELD SHALL BE REMOVED THEIR ENTIRETY IN ORDER TO PERMIT PROPER INSTALLATION OF THE SYSTEM.
- NO DRIVES OR PAVED AREAS SHALL BE CONSTRUCTED OVER THE DISPOSAL SYSTEM.
- WORKMANSHIP AND MATERIAL TO STRICTLY IN CONFORMITY WITH ALL PERTINENT SUBORDINATIONS OF THE SANITARY CODE OF THE BOROUGH OF ALPINE REGULATING THE INSTALLATION OF INDIVIDUAL SEWAGE DISPOSAL SYSTEMS AND APPURTENANCES THERETO.

PEERLESS CONCRETE PRODUCTS CO. SINCE 1959



SOIL EROSION EXEMPTION NOTE:
THIS PROJECT IS EXEMPT FROM SOIL COMPACTION TESTING AND REMEDIATION AS IT IS IN AN URBAN REDEVELOPMENT AREA.

MICHAEL J. HUBSCHMAN P.E., P.P.
PROFESSIONAL ENGINEER AND PLANNER
N.J.P.E. NO. 29497 N.J.P.P. NO. 3200

11-20-17
DATE

SOIL EROSION & SEDIMENT CONTROL PLAN; DETAILS

LOT 5 PROPOSED DWELLING No. 11 DOGWOOD LANE BLOCK 74
BOROUGH OF ALPINE BERGEN COUNTY NEW JERSEY
APPLICANT: CONRAD RONCATI
ONE EXECUTIVE DRIVE, SUITE LL100
FORT LEE, NJ 07024

DRAWN BY: B.W.
CHKD BY: MJH
SCALE: 1"=20'
DRAWING NO. 3634-2
REV. 8
HUBSCHMAN ENGINEERING, P.A.
ENGINEERS - PLANNERS - SURVEYORS
263A S. WASHINGTON AVE. BERGENFIELD, NJ 07621
201-384-5666

WARREN LANE (40' R.O.W.)

DOGWOOD LANE (50' R.O.W.)

TP#1 0'-1' TOPSOIL AND ROOT MATERIAL
1'-5' 5 YR 5/4 RD BRN SANDY LOAM, 10% COARSE, DRY CONSISTANCE, NO MOTTLING
5' ROCK, NO WATER
TP#2 SAME AS #1, 3' TO ROCK, NO WATER
TP#3 SAME AS #1, 5.5' TO ROCK, NO WATER
TP#4 SAME AS #1, 8' TO ROCK, NO WATER

SCALE: 1"=20'

ROBERT J. MUELLER
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 37206

MICHAEL J. HUBSCHMAN P.E., P.P.
PROFESSIONAL ENGINEER AND PLANNER
N.J.P.E. NO. 29497 N.J.P.P. NO. 3200

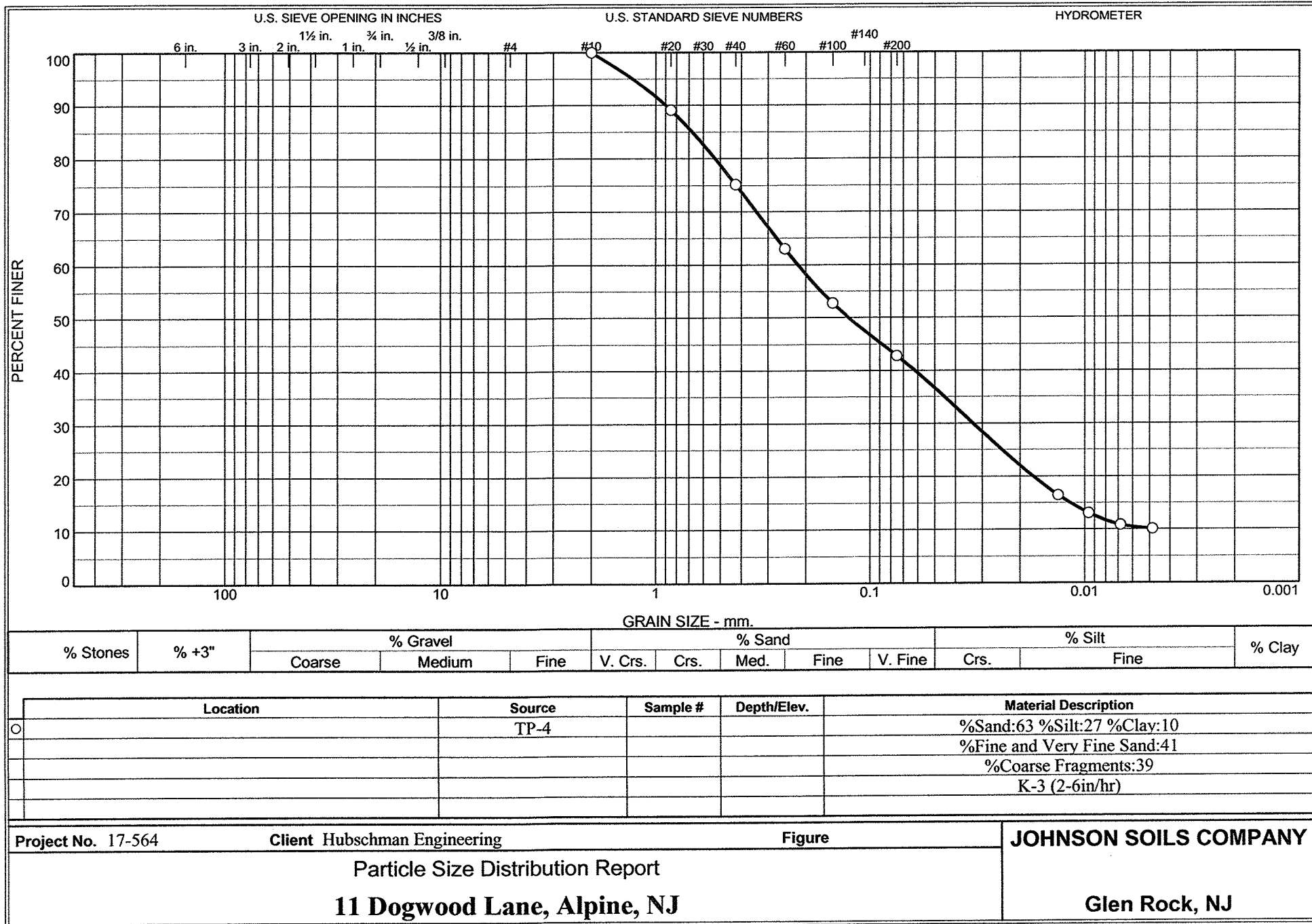
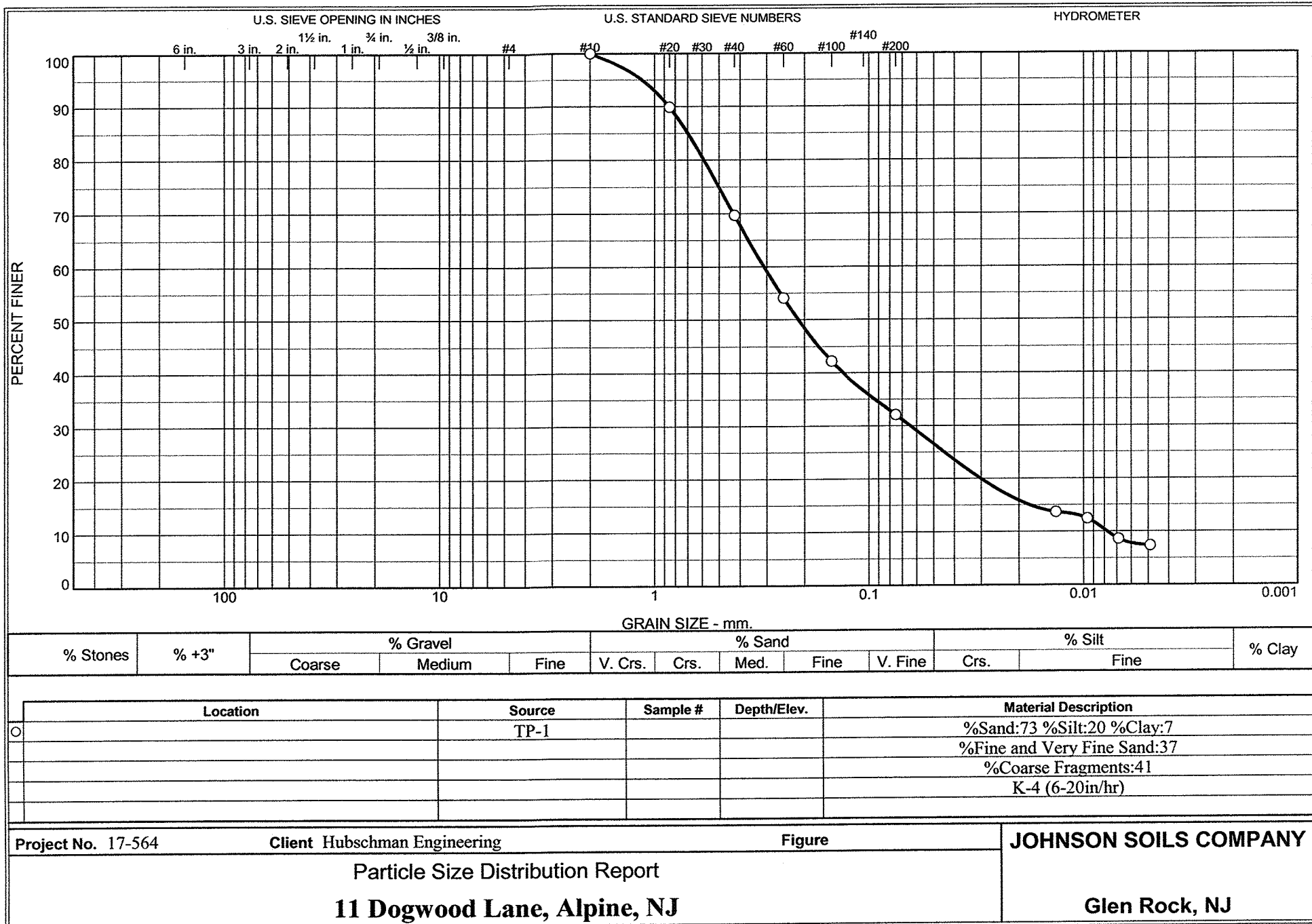
NO.	REVISIONS	DATE	BY	CHKD
2	MODIFIED RIPARIAN ZONE LIMITS	12-3-18	B.W.	M.J.H.
1	MODIFIED SITE & DWELLING	5-17-18	B.W.	M.J.H.

EXISTING CONDITIONS PLAN

LOT 5
PROPOSED DWELLING
No. 11 DOGWOOD LANE
BLOCK 74
BOROUGH OF ALPINE BERGEN COUNTY NEW JERSEY
APPLICANT: CONRAD RONCATI
ONE EXECUTIVE DRIVE, SUITE LL100
FORT LEE, NJ 07024

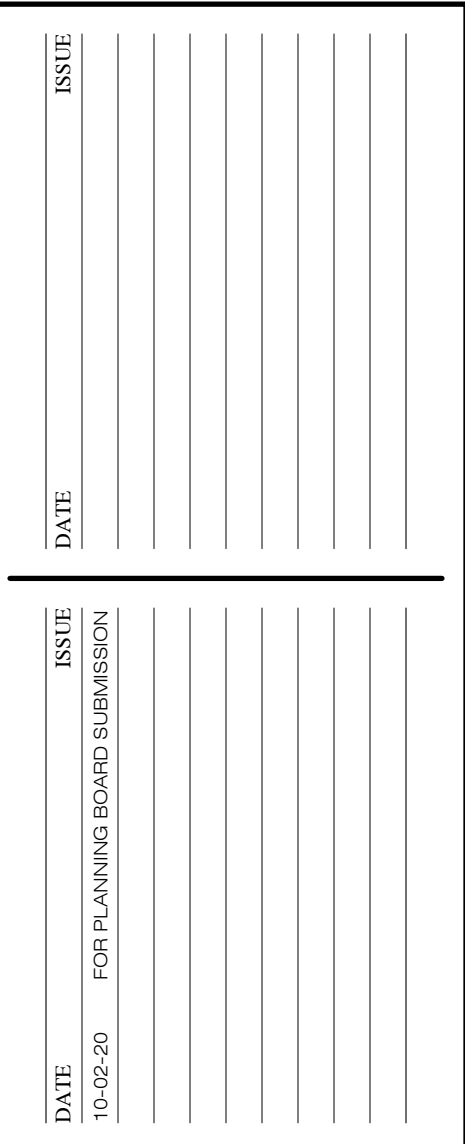
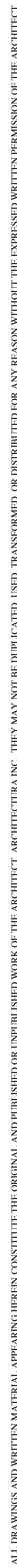
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CHKD BY: MJH
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3 OF 3

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ENGINEERS - PLANNERS - SURVEYORS
263A S. WASHINGTON AVE. BERGENFIELD, NJ 07821
201-384-5666



Sample	% Sand	% Silt	% Clay	Fine and Very Fine Sand (% of Total Sand Sample)	% Coarse Fragments	Permeability Rating
TP-1	73	20	7	37	41	K-4
TP-4	63	27	10	41	39	K-3

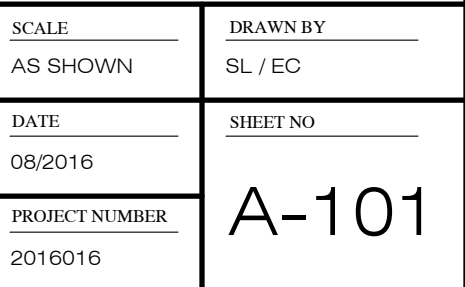
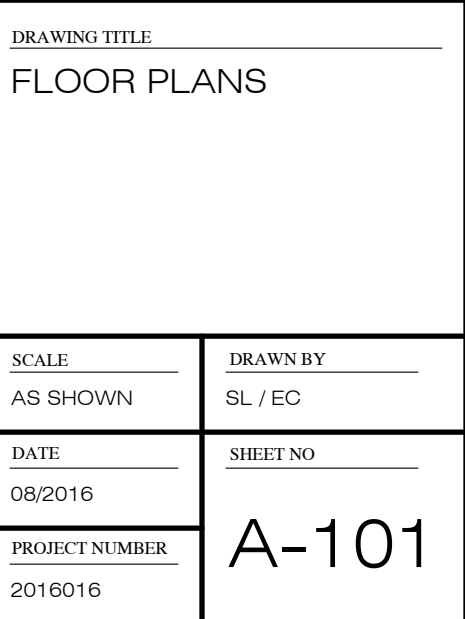
SOIL PERMEABILITY RATING IS FROM THE SOIL PERMEABILITY / TEXTURAL TRIANGLE. Based on the average textural analysis, the soil permeability rating is K-4 (6-20 in/hr) for TP-1 and K-3(2-6in/hr) for TP-4.



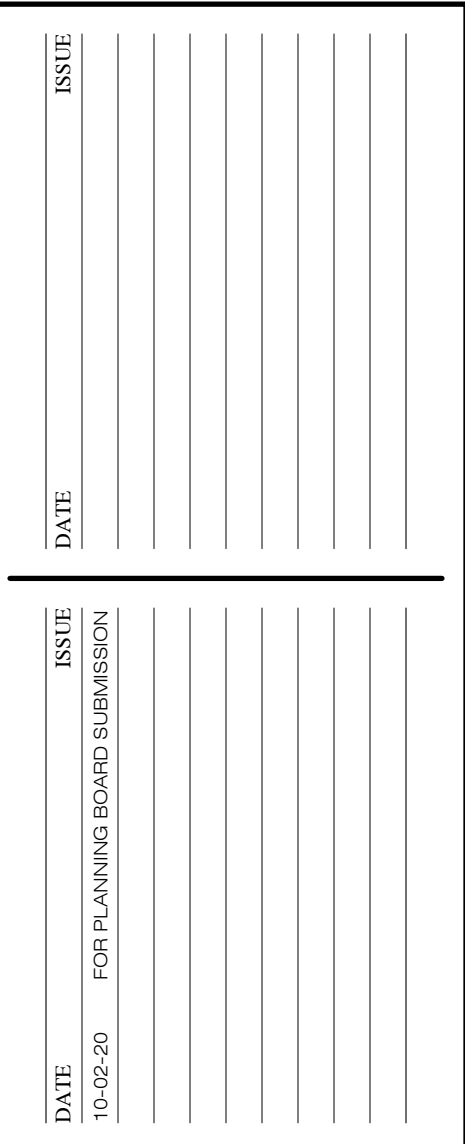
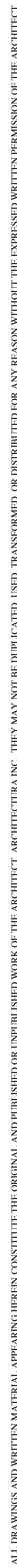
suite LL100
One Executive Drive
Fort Lee, New Jersey 07024
201-346-1400 fax 201-346-1418
frontdesk@architectura.com

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architecture
interior design
planning

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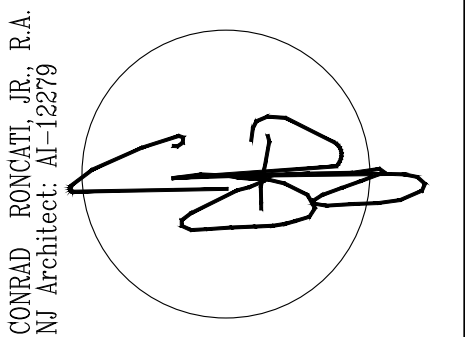
A-101



suite LL100
 One Executive Drive
 Fort Lee, New Jersey 07024
 201-346-1400 fax 201-346-1418
 frontdesk@architettura.com

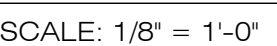
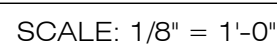
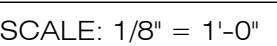
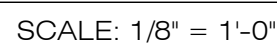
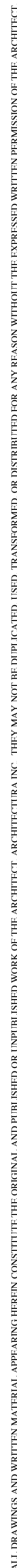
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 architecture
 interior design
 planning

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SCALE AS SHOWN	DRAWN BY SL / EC
DATE 08/2016	SHEET NO A-102
PROJECT NUMBER 2016016	

A-102



DRAWING TITLE	
ELEVATIONS	
SCALE	DRAWN BY
SHOWN	SL / EC
DATE	SHEET NO
SHEET NUMBER	A-201
6016	