

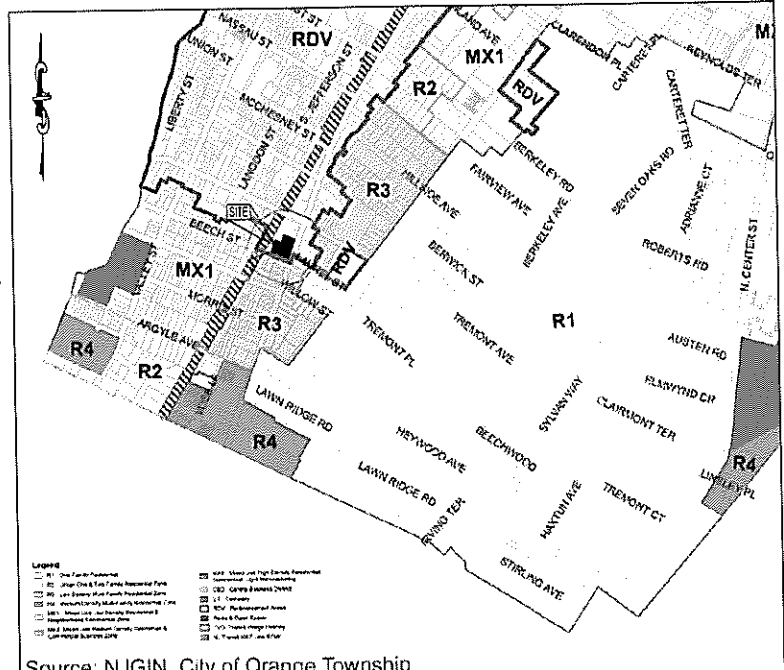
PRELIMINARY AND FINAL SITE PLAN

611 - 617 SCOTLAND ROAD
517 - 519 BEACH STREET
TAX LOTS 2, 3, 4 & 5, BLOCK 6105
TOWNSHIP OF ORANGE
ESSEX COUNTY, NEW JERSEY

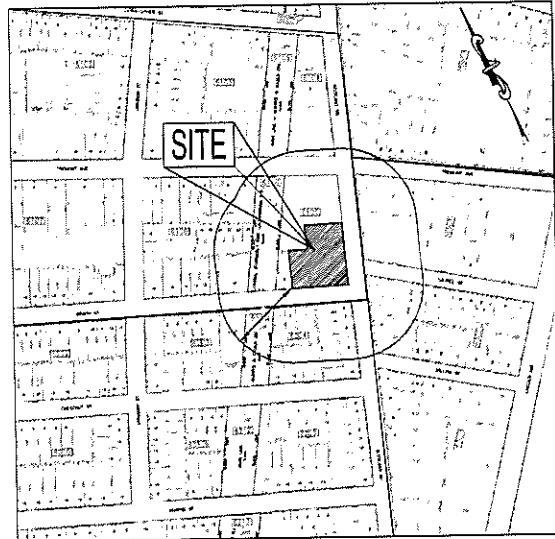
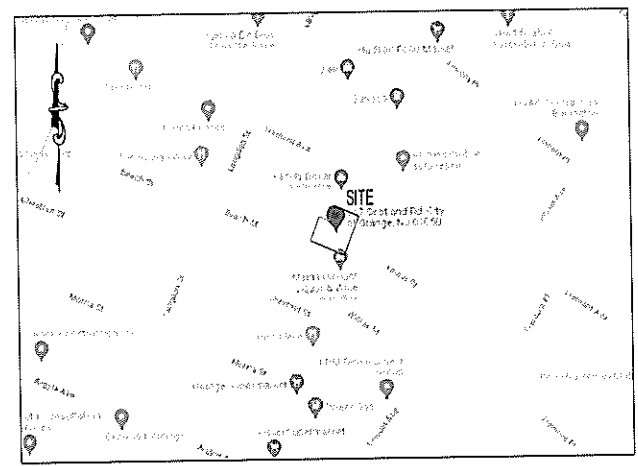
200 FEET OWNERS LIST

BLOCK LOT	PROPERTY LOCATION	PROPERTY OWNER & ADDRESS
6105 1	585 SCOTLAND ROAD	165 SCOTLAND RD FAMILY LLC 165 SCOTLAND RD ORANGE, NJ 07050
6105 2	611 SCOTLAND ROAD	611 SCOTLAND ROAD ORANGE, NJ 07050
6105 3	617 SCOTLAND ROAD	617 SCOTLAND ROAD ORANGE, NJ 07050
6105 4	613 SCOTLAND ROAD	613 SCOTLAND ROAD ORANGE, NJ 07050
6105 5	519 BEACH STREET	EAST HAVENOR NJ 07050 CAPUTO FRANKLIN & ROBERT 18 GARFIELD ROAD ORANGE, NJ 07050
6105 6	521 BEACH STREET	521 BEACH STREET ORANGE, NJ 07050
6105 7	523 BEACH STREET	523 BEACH STREET ORANGE, NJ 07050
6105 8	525 BEACH STREET	525 BEACH STREET ORANGE, NJ 07050
6105 9	527 BEACH STREET	527 BEACH STREET ORANGE, NJ 07050
6105 10	529 BEACH STREET	529 BEACH STREET ORANGE, NJ 07050
6105 11	531 BEACH STREET	531 BEACH STREET ORANGE, NJ 07050
6105 12	533 BEACH STREET	533 BEACH STREET ORANGE, NJ 07050
6105 13	535 BEACH STREET	535 BEACH STREET ORANGE, NJ 07050
6105 14	537 BEACH STREET	537 BEACH STREET ORANGE, NJ 07050
6105 15	539 BEACH STREET	539 BEACH STREET ORANGE, NJ 07050
6105 16	541 BEACH STREET	541 BEACH STREET ORANGE, NJ 07050
6105 17	543 BEACH STREET	543 BEACH STREET ORANGE, NJ 07050
6105 18	545 BEACH STREET	545 BEACH STREET ORANGE, NJ 07050
6105 19	547 BEACH STREET	547 BEACH STREET ORANGE, NJ 07050
6105 20	549 BEACH STREET	549 BEACH STREET ORANGE, NJ 07050
6105 21	551 BEACH STREET	551 BEACH STREET ORANGE, NJ 07050
6105 22	553 BEACH STREET	553 BEACH STREET ORANGE, NJ 07050
6105 23	555 BEACH STREET	555 BEACH STREET ORANGE, NJ 07050
6105 24	557 BEACH STREET	557 BEACH STREET ORANGE, NJ 07050
6105 25	559 BEACH STREET	559 BEACH STREET ORANGE, NJ 07050
6105 26	561 BEACH STREET	561 BEACH STREET ORANGE, NJ 07050
6105 27	563 BEACH STREET	563 BEACH STREET ORANGE, NJ 07050
6105 28	565 BEACH STREET	565 BEACH STREET ORANGE, NJ 07050
6105 29	567 BEACH STREET	567 BEACH STREET ORANGE, NJ 07050
6105 30	569 BEACH STREET	569 BEACH STREET ORANGE, NJ 07050

6234 4	633 SCOTLAND ROAD	633 SCOTLAND ROAD ORANGE, NJ 07050
6234 5	635 SCOTLAND ROAD	635 SCOTLAND ROAD ORANGE, NJ 07050
6234 6	637 SCOTLAND ROAD	637 SCOTLAND ROAD ORANGE, NJ 07050
6234 7	639 SCOTLAND ROAD	639 SCOTLAND ROAD ORANGE, NJ 07050
6234 8	641 SCOTLAND ROAD	641 SCOTLAND ROAD ORANGE, NJ 07050
6234 9	643 SCOTLAND ROAD	643 SCOTLAND ROAD ORANGE, NJ 07050
6234 10	645 SCOTLAND ROAD	645 SCOTLAND ROAD ORANGE, NJ 07050
6234 11	647 SCOTLAND ROAD	647 SCOTLAND ROAD ORANGE, NJ 07050
6234 12	649 SCOTLAND ROAD	649 SCOTLAND ROAD ORANGE, NJ 07050
6234 13	651 SCOTLAND ROAD	651 SCOTLAND ROAD ORANGE, NJ 07050
6234 14	653 SCOTLAND ROAD	653 SCOTLAND ROAD ORANGE, NJ 07050
6234 15	655 SCOTLAND ROAD	655 SCOTLAND ROAD ORANGE, NJ 07050
6234 16	657 SCOTLAND ROAD	657 SCOTLAND ROAD ORANGE, NJ 07050
6234 17	659 SCOTLAND ROAD	659 SCOTLAND ROAD ORANGE, NJ 07050
6234 18	661 SCOTLAND ROAD	661 SCOTLAND ROAD ORANGE, NJ 07050
6234 19	663 SCOTLAND ROAD	663 SCOTLAND ROAD ORANGE, NJ 07050
6234 20	665 SCOTLAND ROAD	665 SCOTLAND ROAD ORANGE, NJ 07050
6234 21	667 SCOTLAND ROAD	667 SCOTLAND ROAD ORANGE, NJ 07050
6234 22	669 SCOTLAND ROAD	669 SCOTLAND ROAD ORANGE, NJ 07050
6234 23	671 SCOTLAND ROAD	671 SCOTLAND ROAD ORANGE, NJ 07050
6234 24	673 SCOTLAND ROAD	673 SCOTLAND ROAD ORANGE, NJ 07050
6234 25	675 SCOTLAND ROAD	675 SCOTLAND ROAD ORANGE, NJ 07050
6234 26	677 SCOTLAND ROAD	677 SCOTLAND ROAD ORANGE, NJ 07050
6234 27	679 SCOTLAND ROAD	679 SCOTLAND ROAD ORANGE, NJ 07050
6234 28	681 SCOTLAND ROAD	681 SCOTLAND ROAD ORANGE, NJ 07050
6234 29	683 SCOTLAND ROAD	683 SCOTLAND ROAD ORANGE, NJ 07050
6234 30	685 SCOTLAND ROAD	685 SCOTLAND ROAD ORANGE, NJ 07050



ZONING/ 200' RADIUS MAP
SCALE: ±1"=600'



PARKING ANALYSIS

Category	Required	Existing	Proposed	Comment
0.8 Space per Unit (20 Units)	16 Spaces	N/A	16 Spaces	Conforming
1.0 Space per Unit (20 Units)	20 Spaces	N/A	20 Spaces	Conforming
TOTAL	36 Spaces	N/A	36 Spaces	Conforming

Special Vehicle Charging Station
15% of Proposed Parking Spaces (3 Spaces) = 3 Spaces
15% of 20 Proposed Spaces = 3 Spaces

DESIGN VARIANCE SCHEDULE

Code Regulation	Required	Proposed
§ 210-33.2 Site and access of off-street parking space	Each off-street parking space shall have an area of not less than 100 square feet, or eleven (11) feet in width and 18.0 feet in length.	100 sq ft x 18 ft
§ 210-33.2 Site and access of off-street parking space	C. In addition, 15% of the required spaces may be designed and clearly marked for compact cars. Each compact car parking space shall have a minimum width of eight feet and a length of 18 feet and shall have access to an aisle with a minimum width of 10 feet.	10 Compact car spaces (10' x 18')

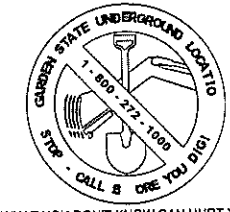
SCHEDULE OF GENERAL ZONING REQUIREMENTS (RDV - REDEVELOPMENT AREA 5)

Regulation	Central Valley Redevelopment Area - District 4 Block 6105 - 617-617 SCOTLAND ROAD, 517 - 519 BEACH STREET - ORANGE		Comment
	General	Proposed	
Permitted Uses	One Two and Three Family Homes, Low-rise Multi-family Apartments, Medium to High Density Apartments, Mixed Use Retail, Restaurants, Offices	One Family Residential, Retail	Conforming
Min. Lot Area	2700 sq ft	21875 sq ft	Conforming
Min. Lot Width	48 ft	158.00 ft	Conforming
Min. Front Yard	5 ft	2.5 ft	Conforming
Min. Rear Yard	0 ft	5 ft	Conforming
Min. Side Yard (Facing an Alley or Other Street)	0 ft	5 ft	Conforming
Min. Side Yard (Facing a Street)	3 ft	5 ft	Conforming
Max. Building Coverage	95%	40%	Conforming
Max. Building Height	8 ft	15 ft	Conforming
Max. Building Height (Including Signs)	10 ft	17 ft	Conforming
Max. Floor Area Ratio	2.0	1.0	Conforming
Max. Density (Dwelling Units per Acre)	100 DUs/Acre	10 DUs/Acre	Conforming

PROPERTY OWNER: FRANKLIN & ROBERT CAPUTO SR
617 SCOTLAND ROAD
ORANGE, NJ 07050

APPLICANT: SCOTLAND VENTURES
730 GARFIELD AVENUE
JERSEY CITY, NJ 07305

PROTECT YOURSELF
A PHONE CALL
CAN BE YOUR INSURANCE POLICY



WHAT YOU DON'T KNOW CAN HURT YOU.
THE STATE OF NEW JERSEY REQUIRES NOTIFICATION OF ANY
DISCOVERED UNDERGROUND UTILITIES PRIOR TO THE STARTING
SURFACE WORK IN THE STATE.

APPROVED BY PLANNING BOARD - TOWNSHIP OF ORANGE

BOARD SECRETARY:	DATE:
BOARD CHAIRPERSON:	DATE:
BOARD ENGINEER:	DATE:
CITY CLERK:	DATE:

ISSUED

SHEET	TITLE	ISSUED	REVISED
1	COVER SHEET	07/25/22	11/11/22
2	SITE DEMOLITION PLAN	07/25/22	N/A
3	SITE DEVELOPMENT PLAN - BASEMENT	07/25/22	11/11/22
4	SITE DEVELOPMENT PLAN - FIRST FLOOR	07/25/22	11/11/22
5	LANDSCAPE, DRAINAGE AND UTILITY PLAN	07/25/22	11/11/22
6	LANDSCAPE AND LIGHTING PLAN	07/25/22	11/11/22
7	CONSTRUCTION DETAILS	07/25/22	N/A
8	CONSTRUCTION DETAILS	07/25/22	N/A
9	SOIL EROSION AND SEDIMENT CONTROL PLAN	07/25/22	11/11/22
10	SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	07/25/22	N/A

JOB NUMBER:
22-0408

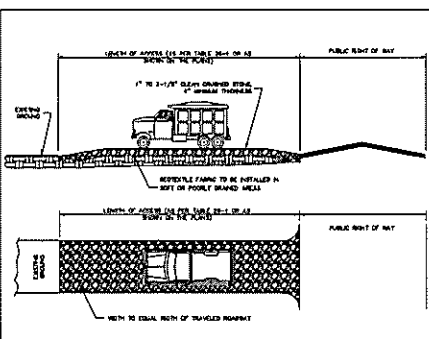
SCALE: AS SHOWN

C-01
SHEET 1 OF 8

AWZ ENGINEERING, INC.
ENGINEERS & CONSULTANTS
Main Office: 150 River Road, Suite 103, Hill, NJ 07015
Tel: 973-888-2094
www.awzeng.com
New Jersey Certificate of Authority No. 246A2018400
Professional Engineer
ADNAN A. KHAN, P.E., C.M.E.
Professional Engineer
Date: 11/11/22

TAX LOTS 2, 3, 4 & 5
BLOCK 6105
611 - 617 SCOTLAND ROAD
517 - 519 BEACH STREET
TOWNSHIP OF ORANGE
ESSEX COUNTY, NEW JERSEY
COVER SHEET

THIS PLAN IS TO BE USED FOR SOIL EROSION CONTROL PURPOSES ONLY



PERCENT SLOPE OF ROADWAY	LENGTH OF STABILIZED CONSTRUCTION ACCESS
0 TO 2%	30 FT
2 TO 5%	50 FT
5 TO 10%	75 FT
10 TO 15%	100 FT
15 TO 20%	125 FT
20 TO 25%	150 FT
25 TO 30%	175 FT
30 TO 35%	200 FT
35 TO 40%	225 FT
40 TO 45%	250 FT
45 TO 50%	275 FT
50 TO 55%	300 FT
55 TO 60%	325 FT
60 TO 65%	350 FT
65 TO 70%	375 FT
70 TO 75%	400 FT
75 TO 80%	425 FT
80 TO 85%	450 FT
85 TO 90%	475 FT
90 TO 95%	500 FT
95 TO 100%	525 FT

NOTES:

- ALL INDIVIDUAL TIE INTERSECTIONS SHALL BECOME STABILIZED CONSTRUCTION ACCESS.
- THE STABILIZED CONSTRUCTION ACCESS SHALL BE MAINTAINED AS A CONTINUOUS VEHICLE TRAVEL SURFACE THROUGHOUT THE CONSTRUCTION PERIOD. THE STABILIZED CONSTRUCTION ACCESS SHALL BE MAINTAINED AS A CONTINUOUS VEHICLE TRAVEL SURFACE THROUGHOUT THE CONSTRUCTION PERIOD.
- ALL RESIDUE MULCH, MULCH, MULCH OR TRUCKS ON THE PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
- WHERE TRUCKS OR OTHER EQUIPMENT IS A CONTINUOUS OBSTACLE, ALL CONTRACTORS SHALL MAINTAIN A CONTINUOUS VEHICLE TRAVEL SURFACE THROUGHOUT THE CONSTRUCTION PERIOD.

STABILIZED CONSTRUCTION ACCESS

PROPOSED SEQUENCE OF DEVELOPMENT

Installation of all equipment and erosion control devices (including all fences and stabilized construction access) prior to any major soil disturbance or in their proper sequence and maintenance until permanent protection is established.	1 Week
Site demolition, clearing, clearing and removal of debris as necessary. All remaining vegetation to be properly protected and to remain in its natural state.	2 Weeks
General and preliminary grading of all pavement areas and storm water management basins.	2 Weeks
Layout and location of all proposed utilities.	1 Week
Construction of all proposed improvements and drainage facilities. Installation of all erosion control measures affected by said facilities such as silt treatment basins.	20 Weeks
Permanent access course to be applied immediately following preliminary grading and construction of improvements in order to stabilize pavement areas.	1 Week
Installation of all pavement base material.	1 Week
The grading of all lot areas and basins including construction of all wet erosion control as necessary.	1 Week
Stabilization of all off pavement areas.	1 Week
Uniformly apply topsoil to an average depth of 4", minimum of 4", graded in place. Provide permanent vegetative stabilization of all exposed areas. Complete all landscaping and vegetative cover.	1 Week
Removal of all temporary erosion and erosion control devices.	1 Week

STANDARD FOR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

DESCRIPTION: Establishment of temporary vegetative cover on soils exposed for periods of two to six months which are not being graded, not under active construction or not being prepared for permanent stabilization with topsoil.

PURPOSE: To temporarily stabilize the soil and reduce damage from wind and water erosion until permanent stabilization is established.

WATER QUALITY DISBURSMENT: Provide temporary protection against the impacts of wind and rain, down the year round treatment of stormwater runoff, increase infiltration and reduce soil and nutrient loss, protecting streams or other stormwater conveyances.

METHODS APPLICABLE: On exposed soils that have the potential for causing off-site environmental damage.

METHODS AND MATERIALS:

SITE PREPARATION:

- Grades as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standards for Land Grading.
- Install erosion control practices or facilities such as diversion, grade stabilization structures, channel stabilization measures, sediment basins, and wetways. See Standards 11 through 42.
- Immediately prior to seeding and topsoil application, the surface should be smoothed 1/2" to 1" where there has been soil compaction. This smoothing is accomplished with a roller or a similar device. An underground utility (gas, water, electric, etc.) should be located prior to seeding.

SEEDING:

- Apply granular and fertilizer according to soil test recommendations such as offered by Rutgers Cooperative Extension. Soil testing materials are available from the local Rutgers Cooperative Extension office. Fertilizer should be applied at the rate of 500 pounds per acre if 100% pure 100-0-00 square feet of 10-20-10 or equivalent with 50% water available nitrogen unless a soil test indicates otherwise. Calcium applications to the soil surface and also for measuring the ability of liming materials to neutralize soil acidity and supply calcium, magnesium to grasses and legumes.

Work line and fertilizer into the soil as nearly as practicable to a depth of 4 inches with a disc, subsoiler harrow, or other suitable equipment. The final harrowing or disking operation should be the general center. Continue a stage with a reasonable uniform seedbed in preparation.

Impact seedbed just before seeding. If traffic has left the soil compacted, the area must be retined in accordance with the above.

Seed high in surface, or having a pit 4" or less refer to Standard for Management of High Acid Seedbed.

Select seed from recommendations in Table 7-2.

TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTH

SEED SELECTIONS	SEEDING RATE (lb/1000 Sq. Ft.)	OPTIMUM SEEDING DATE		OPTIMUM SEEDING DEPTH (inches)
		Zone 1	Zone 2	
COLD SEASON GRASSES				
1. Perennial ryegrass	1.0	3/15-6/1	6/15-9/1	0.5
2. Spring oats	0.5	3/15-6/1	6/15-9/1	1.0
3. Winter barley	0.5	6/15-9/1	9/15-12/1	1.0
4. Annual ryegrass	1.0	6/15-9/1	9/15-12/1	0.5
5. Water clover	1.0	6/15-9/1	9/15-12/1	1.0
WARM SEASON GRASSES				
6. Pearl millet	2.0	6/15-9/1	9/15-12/1	1.0
7. Millet	3.0	6/15-9/1	9/15-12/1	0.5

Seeding rates for warm season grasses, selections 6-7, are to be adjusted to reflect the amount of Pure Live Seed (PLS) as determined by a germination test result. An adjustment is required for cool season grasses.

Seeding rates for cool season grasses, selections 1-5, are to be adjusted to reflect the amount of Pure Live Seed (PLS) as determined by a germination test result. An adjustment is required for cool season grasses.

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TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

DESCRIPTION: Establishment of permanent vegetative cover on exposed soils where permanent vegetation is needed for long term protection.

PURPOSE: To permanently stabilize the soil, ensuring conservation of soil and water, and to enhance the environment.

WATER QUALITY DISBURSMENT: Provide long term protection against the impacts of wind and rain, down the year round treatment of stormwater runoff, increase infiltration and reduce soil and nutrient loss, protecting streams or other stormwater conveyances.

METHODS APPLICABLE: On exposed soils that have the potential for causing off-site environmental damage.

METHODS AND MATERIALS:

SITE PREPARATION:

- Grades as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standards for Land Grading.
- Immediately prior to seeding and topsoil application, the surface should be smoothed 1/2" to 1" where there has been soil compaction. This smoothing is accomplished with a roller or a similar device. An underground utility (gas, water, electric, etc.) should be located prior to seeding.
- Install erosion control practices or facilities such as diversion, grade stabilization structures, channel stabilization measures, sediment basins, and wetways. See Standards 11 through 42.

SEEDING PREPARATION:

- Uniformly apply ground limestone and fertilizer to topsoil which has been approved and applied. Seeding is to be done to a depth of 2 inches and fertilizer is to be applied to the soil surface. Fertilizer should be applied at the rate of 500 pounds per acre if 100% pure 100-0-00 square feet of 10-20-10 or equivalent with 50% water available nitrogen unless a soil test indicates otherwise and topsoiled into the surface 4 inches. If fertilizer is not incorporated, apply one-half the rate described above during seedbed preparation and repeat another one-half rate application of the same fertilizer within 3 to 5 weeks after seeding.

Work line and fertilizer into the soil as nearly as practicable to a depth of 4 inches with a disc, subsoiler harrow, or other suitable equipment. The final harrowing or disking operation should be the general center. Continue a stage with a reasonable uniform seedbed in preparation.

Impact seedbed just before seeding. If traffic has left the soil compacted, the area must be retined in accordance with the above.

Seed high in surface, or having a pit 4" or less refer to Standard for Management of High Acid Seedbed.

Select seed from recommendations in Table 7-2.

PERMANENT VEGETATIVE MIXTURES, SEEDING RATES AND PLANTING DATES

SEED MIXTURE	PLANTING DATE	PLANTING DATES			REMARKS
		Zone 5a, 6a	Zone 6b	Zone 7a, 7b	
1. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
2. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
3. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
4. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
5. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
6. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
7. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
8. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
9. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
10. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	

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SEEDING PREPARATION:

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		Zone 5a, 6a	Zone 6b	Zone 7a, 7b	
1. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
2. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
3. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
4. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
5. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
6. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
7. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
8. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
9. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	
10. 10% Perennial Ryegrass, 30% Annual Ryegrass, 60% White Clover	10/15-12/1	10/15-12/1	10/15-12/1	10/15-12/1	

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Seeding rates for warm season grasses, selections 6-7, are to be adjusted to reflect the amount of Pure Live Seed (PLS) as determined by a germination test result. An adjustment is required for cool season grasses.

Seeding rates for cool season grasses, selections 1-5, are to be adjusted to reflect the amount of Pure Live Seed (PLS) as determined by a germination test result. An adjustment is required for cool season grasses.

TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

DESCRIPTION: Establishment of permanent vegetative cover on exposed soils where permanent vegetation is needed for long term protection.

PURPOSE: To permanently stabilize the soil, ensuring conservation of soil and water, and to enhance the environment.

WATER QUALITY DISBURSMENT: Provide long term protection against the impacts of wind and rain, down the year round treatment of stormwater runoff, increase infiltration and reduce soil and nutrient loss, protecting streams or other stormwater conveyances.

METHODS APPLICABLE: On exposed soils that have the potential for causing off-site environmental damage.

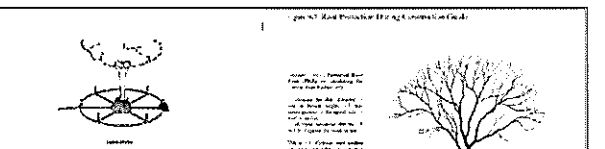
METHODS AND MATERIALS:

SITE PREPARATION:

- Grades as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standards for Land Grading.
- Immediately prior to seeding and topsoil application, the surface should be smoothed 1/2" to 1" where there has been soil compaction. This smoothing is accomplished with a roller or a similar device. An underground utility (gas, water, electric, etc.) should be located prior to seeding.
- Install erosion control practices or facilities such as diversion, grade stabilization structures, channel stabilization measures, sediment basins, and wetways. See Standards 11 through 42.

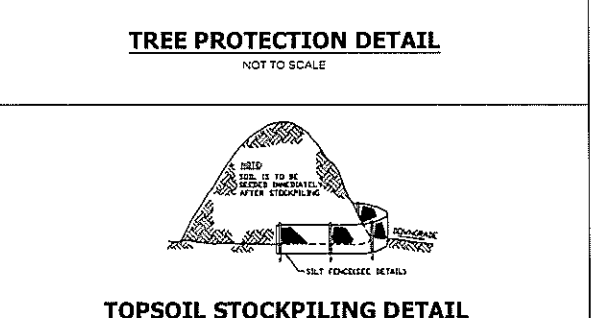
SEEDING PREPARATION:

- Uniformly apply ground limestone and fertilizer to topsoil which has been approved and applied. Seeding is to be done to a depth of 2 inches and fertilizer is to be applied to the soil surface. Fertilizer should be applied at the rate of 500 pounds per acre if 100% pure 100-0-00 square feet of 10-20-10 or equivalent with 50% water available nitrogen unless a soil test indicates otherwise and topsoiled into the surface 4 inches. If fertilizer is not incorporated, apply one-half the rate described above during seedbed preparation and repeat another one-half rate application of the same fertilizer within 3 to 5 weeks after seeding.



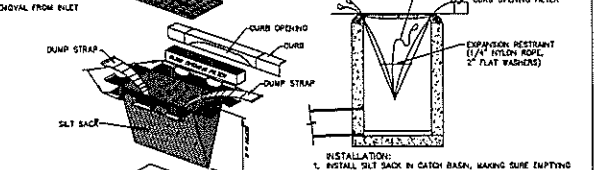
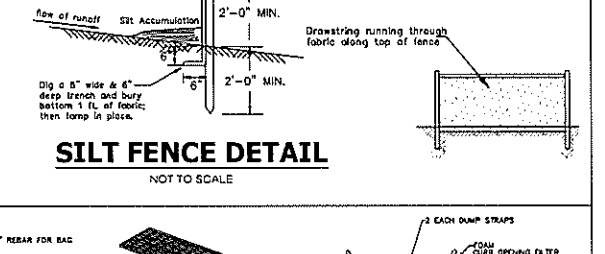
TREE PROTECTION DETAIL

NOT TO SCALE



TRENDRAIN INLET PROTECTION DETAIL

NOT TO SCALE



TRENCH DRAIN INLET PROTECTION DETAIL

NOT TO SCALE

ADNAN A. KHAN, P.E., CALE.
PROFESSIONAL ENGINEER

DATE: 10/15/2010
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 10/15/2010

NO. OF SHEETS: 2
 SHEET NO.: 2

AWZ ENGINEERING, INC.
ENGINEERS - SCIENTISTS - CONSULTANTS

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 New Jersey Certificate of Authorization No.: 24623114-000
 Pennsylvania Certificate of Authorization No.: 1771134

SOIL EROSION AND SEDIMENT CONTROL NOTES & DETAILS

TAX LOTS 2, 3, 4 & 5
 BLOCK 6105
 611 - 617 SCOTLAND ROAD
 517 - 519 BEACH STREET
 TOWNSHIP OF ORANGE
 ESSEX COUNTY, NEW JERSEY

JOB NUMBER: 24-048
 SCALE: AS SHOWN
S-02
 SHEET 2 OF 2