PRELIMINARY & FINAL MAJOR SITE PLAN FOR COAST LINEN SERVICES BLOCK 421, LOTS 2, 3 & 4 TAX MAP SHEET #4 1100 6TH AVENUE

TOWNSHIP OF NEPTUNE, MONMOUTH COUNTY, NEW JERSEY

New Jorsey- American Water Company, h to: Donna Short GIS Supe 5 Laurel Oak Roa

Newark, N.J. 07103

Jersey Central Power & Light Company Attn: Land Use Matters 300 Madison Avenue

Morristown, N.J. 07960

Monmouth Cablevision

Attn: Land Use Matters 1501 18th Avenue

Wall Twp, N.J. 07719

New Jersey Natural Gas Cor Attn: Right of Way Department 1415 Wyckoff Road Wall Twp, N.J. 07719

PROPERTY OWNERS WITHIN 200' (NEPTUNE TOWNSHIP

Block	Lot Qualifier	Location	Owner	Owner Street	Owner City\State\Zip	Additional Lots
414	10	607 MEMORIAL DRIVE	PRIDE PROPERTIES INC	81 LAKESIDE TRAIL	RIDGE, NY 11961	
414	11	609 MEMORIAL DRIVE	STARBOUND NATIONAL TALENT COMPETITI	420 ROUTE 9	LANOKA HARBOR, NJ 08734	
414	12	1103 06TH AVE	VORWERK, FRED A	108 HUNTINGTON DRIVE	JACKSON, NJ 08527	
1 4	13	1105 06TH AVE	HOLTZ HOSPITALITY LLC	1320 UNAMI AVENUE	OCEAN, NJ 07712	
14	14	1109 06TH AVE	LLOYD PROPERTIES LLC	400 OLD TAVERN ROAD	HOWELL, NJ 07731	
14	15	1111 06TH AVE	PEDERSON, WM A & LAURA J CLARK	46 GRAND AVENUE	LONG BRANCH, NJ 07740	e.
14	16	1113 06 TH AVE	SANTIAGO, ELISE & GAULBERIO	405 PALMER AVENUE	NEPTUNE, NJ 07753	
14	17	1115 06TH AVE	MACKEY, JOHN R & MYRA 5	1115 SIXTH AVENUE	NEPTUNE, NJ 07753	
14	18	1117 06TH AVE	MENNIE, ROBERT J & MICHAEL J	1117 6TH AVE	NEPTUNE, NJ 07753	
14	19	610 ATKINS AVE	ESCOBAR, SERGIO A GUZMAN	610 ATKINS AVE	NEPTUNE, NJ 07753	
20	16	703 ATKINS AVE	ROBINSON, JAMES A	19 TESS COURT	EATONTOWN, NJ 07724	
20	18	1208-1210 05TH AVE	SPERRY TENTS NEW JERSEY LLC	PO BOX 680	BELMAR, NJ 07719	2 BLDGS
21	1	700 ATKINS AVE	METPARK II, L.L.C.% F ADUBATO	9 AIRPORT ROAD	MORRISTOWN, NJ 07960	
21	2	1100 06TH AVE	1100 06TH AVENUE, LLC	1100 06TH AVENUE	NEPTUNE, NJ 07753	
21	3	1113 05TH AVE	1100 6TH AVENUE, LLC	1100 6TH AVENUE	NEPTUNE, NJ 07753	
21	4	1125 05TH AVE	1100 6TH AVENUE, LLC	1100 6TH AVENUE	NEPTUNE, NJ 07753	
21	5	1129 05TH AVE	ALDARELLI REALTY INC	1129 FIFTH AVENUE	NEPTUNE, NJ 07753	
21	6	706 ATKINS AVE	PERRY, THELMA & ROBERT	706 ATKINS AVE	NEPTUNE, NJ 07753	
422	1	ASSESSOR LINE	NEPTLINE CITY BOROUGH	PO 80X 1125	NEPTLINE NLO7754	

PROPERTY OWNERS WITHIN 200' (BRADLEY BEACH)

Muni-Block-Lot	Property Owner	Mailing Address	City State Zip
1308-96-1	RAILROAD PROPERTY C/O NJ TRANSIT	PENN STATION	NEWARK NJ 07101
1308-45-1.01	JERSEY SHORE FITNESS SHOP INC	77 RIVERVIEW AVE % COOPER	NEPTUNE CITY NJ 07753
1308-45-2	ABDOU MAKRAM N.& AMIRA	3 HILLSIDE RD	MANALAPAN NJ 07726
1308-45-3.01	FIFTH AVENUE HOLDINGS LLC	711 BRINLEY AVENUE	BRADLEY BEACH NJ 07720
1308-58-1	DESANTIS JOSEPH & BARBARA	4 TALL PINES DR	NEPTUNE NJ 07753
1308-58-2	CHENG CHI PANG	707 FIFTH AVENUE	BRADLEY BEACH N.J. 07720

PROPERTY OWNERS WITHIN 200' (NEPTUNE CITY)

BLOCK	LOT	QUAL	CLA	PROPERTY OWNE	R	PROPERTY LOCATION	
1	1		4A	1100 STH AVE, LLC PO BOX 163 BELMAR, NJ	07719	142 STEINER AVE	
3	20		4A	STEINER, LLC PO BOX 375 DEAL, NJ	07723	25 FIFTH AVE	



(
ORD.SECTION	
423.B	MIN LOT AREA (
423.B	MIN LOT WIDTH
-	PRINCIPAL BUILT
423.B	MIN FRONT YAR
	FIFTH AVENU
	SIXTH AVENU
	MEMORIAL D
423.B	MAX. FRONT YAF
	FIFTH AVENU
	SIXTH AVENU
	MEMORIAL D
423.B	MIN. SIDE YARD
423.B	MAX. SIDE YARD
423.B	MIN. REAR YARD
423.B	MAX. REAR YARI
423.B	MAX. BUILDING H
423.B	MIN. BUILDING H
423.B	MAX. BUILDING H
	LOT COVERAGE
423.B	MAX. LOT COVER
(N) EXISTING I (E) EXISTING \	NON-CONFORMIT` /ARIANCE
(V) PROPOSEI	D VARIANCE
(a) THIS PERT	AINS TO AN EXIST
(1) BUILDING H	HEIGHT: THE VER
LEVEL ON A M	IANSARD ROOF, A
16.23+15	5.58+20.72+18.50+
(
ORD.SECTION	
412.17-B	STALL SIZE (FT)
412.17-D	NUMBER OF PAR
	MANUFACTU
	1 PER 1,500 \$
	OFFICE:
	1 PER 300 SF
(N) EXISTING	VON-CONFORMIT



ZONING	G COMPLIANCE CH	IART				
TRV (TRANSIT V	/ILLAGE) ZONE - C	OMMERCIAL				
FIRST FLOOR PE	RSONAL SERVICE	E: PERMITTED				
SECOND FL	OOR OFFICES. PE	RMITTED				
STANDARD	REQUIRED	EXISTING		PROPOSED		COMPLIES
ŝF)	5,000	128,943.7 (2.96 AC)	,	128,788.03 (2.96 AC)		YES
(FT)	50	300.6		NO CHANGE		YES
ING						
D SETBACK (FT)						
E (FT)	0	66.3		NO CHANGE		YES
E (FT)	0	0.22 (OVER PL)	(N)	NO CHANGE (6.37 TO ADDITION)	(N)	NO
RIVE (FT)	0	0.9		NO CHANGE		YES
D SETBACK (FT)						
E (FT)	15	66.3	(N)	NO CHANGE	(N)	NO
E (FT)	15	0.22 (OVER PL)		NO CHANGE (5.81 TO ADDITION)		YES
RIVE (FT)	15	0.9		NO CHANGE		YES
SETBACK	0	25.2		NO CHANGE (87.47 TO ADDITION))	YES
SETBACK	15	25.2	(N)	NO CHANGE (87.47 TO ADDITION)	(N)	NO
SETBACK	0	N/A		NO CHANGE		YES
SETBACK	N/A	N/A		NO CHANGE		YES
EIGHT (FT)	48	19.0	(1)	31.18		YES
EIGHT (STORIES)	2	1	(N)	1	(N)	NO
EIGHT (STORIES)	4	1		2		YES
AGE (%)	80	97.6	(N)	94.1 (1	I)(V)	NO
			• • •			-

(I) IMPROVED CONDITION N/A - NOT APPLICABLE (X) VARIANCE / NON-CONFORMITY ELIMINATED N/S - NOT SPECIFIED

(W) PROPOSED WAIVER TING STRUCTURE WHICH WAS NOT MADE AVAILABLE TO THIS OFFICE

RTICAL DISTANCE FROM FINISHED GRADE TO THE TOP OF THE HIGHEST ROOF BEAMS ON A FLAT OR SHED ROOF, THE DECK AND THE AVERAGE HEIGHT BETWEEN THE EAVES AND THE RIDGE LEVEL FOR GABLE, HIP, AND GAMBREL ROOFS. +19.91+19.00+16.00+17.00=143.94/8 = 17.99 FINISHED GRADE

		PARKING, DRIVEWAY	& LOADING COMPLI	ANCE CHA	RT	
RD.SECTION	STANI	DARD	REQUIRED		PROPOSED	COMPLIES
12.17-B	STALL SIZE (FT)		9 X 18		9 X 18	YES
12.17-D	NUMBER OF PARKING SP	ACES	44 SPACES		44 SPACES	YES
	MANUFACTURING & A	SSEMBLY:			(INCLUDING 2 HANDICAP SPACES)	
	1 PER 1,500 SF OF GR	OSS FLOOR AREA	41,631 SF / 1,500 = 27.7	75 SPACES		
	OFFICE:					
	1 PER 300 SF OF GRO	SS FLOOR AREA	4,645 SF / 300 = 15.48	3 SPACES		
N) EXISTING N	NON-CONFORMITY	(I) IMPROVED CONDITION		N/A - NOT A	PPLICABLE	
E) EXISTING \	/ARIANCE	(X) VARIANCE / NON-CONFOR	RMITY ELIMINATED	N/S - NOT SI	PECIFIED	
/) PROPOSED	D VARIANCE	(W) PROPOSED WAIVER				
a) THIS PERT/	AINS TO AN EXISTING STRI	JCTURE WHICH WAS NOT MADE	AVAILABLE TO THIS OFFI	CE		

SIGI	NAGE COMPLIANCE CH	HART		
STANDARD	REQUIRED	EXISTING	PROPOSED	COMPLIES
RIVE & 6TH AVE. SIGN (SF)	48 (2)	18	NO CHANGE	YES
N (SF)	48 (2)	N/A	48	YES
HEIGHT (FT)				
RIVE & 6TH AVE. SIGN (SF)	15	8	NO CHANGE	YES
N (SF)	15	N/A	15	YES
I (FT)				
RIVE & 6TH AVE. SIGN (SF)	12	7	NO CHANGE	YES
N (SF)	12	N/A	12	YES
WALL SIGNS	1	1	2 (3)(V)	NO

N/A - NOT APPLICABLE (I) IMPROVED CONDITION (X) VARIANCE / NON-CONFORMITY ELIMINATED N/S - NOT SPECIFIED

(W) PROPOSED WAIVER (A) THIS PERTAINS TO AN EXISTING STRUCTURE WHICH WAS NOT MADE AVAILABLE TO THIS OFFICE

(2) 48 SQUARE FEET, OR ONE-AND-TWO TENTHS (1.2) SQUARE FEET FOR EACH LINEAL FOOT OF WALL FACE THAT THE SIGN IS MOUNTED ON, WHICHEVER (3) ONE EXISTING WALL SIGN TO REMAIN AND ONE PROPOSED WALL SIGN

LOT COVERAGE	CALCULATIO	vs
ITEM	EXISTING (SF)	PROPOSED (SF)
BUILDING	44,426	49,117
TRAILERS/CONTAINERS	5,715	1,439
CONCRETE	12,846	15,889
WALLS	154	76
STEPS	126	162
ASPHALT PAVEMENT	9,839	8,222
ENTRY DRIVE STONE (5TH AVE.)	N/A	486
COMPACTED SURFACE	52,794	45,841
τοται	125 900	121 232

·	INDEX OF SHEETS:		
SHEET #:	SHEET TITLE:	INITIAL RELEASE:	REV. DAT
C100	TITLE SHEET	05/22/23	11/06/23
C200	EXISTING CONDITIONS PLAN	05/22/23	11/06/23
C300	SITE LAYOUT PLAN	05/22/23	11/06/23
C301	TRUCK MOVEMENT PLAN	05/22/23	11/06/23
C400	GRADING, DRAINAGE & LIGHTING PLAN	05/22/23	11/06/23
C600	LANDSCAPE PLAN	05/22/23	11/06/23
C800	CONSTRUCTION DETAILS	05/22/23	11/06/23
C900	SOIL EROSION & SEDIMENT CONTROL PLAN	05/22/23	11/06/23
C901	SESC NOTES & DETAILS	05/22/23	11/06/23
C902	SESC NOTES & DETAILS	05/22/23	11/06/23

Coast LINEN SERVICES
PROJECT LOCATION: TAX MAP 34 (4/8/14); BLOCK 421, LOTS 2, 3 & 4 1100 6TH AVENUE TOWNSHIP OF NEPTUNE, MONMOUTH COUNTY, NJ
<u>OWNER:</u> 1100 6TH AVENUE, LLC 1100 6TH AVENUE NEPTUNE, NJ 07753
APPLICANT: 1100 6TH AVENUE, LLC 1100 6TH AVENUE NEPTUNE, NJ 07753
APPLICANT'S PROFESSIONALS
<u>ATTORNEY:</u> COLLINS, VELLA & CASELLO, LLC GREGORY VLLA, ESQ. 2317 HIGHWAY 34, SUITE 1A MANASQUAN, NJ 08736
<u>ARCHITECT:</u> KELLENYI JOHNSON WAGNER 21 PETERS PLACE RED BANK, NJ 07701
<u>SURVEYOR:</u> VALLEE SURVEYING, LLC 1010 COMMONS WAY TOMS RIVER, NJ 08755
SINCE 2003
CALL BEFORE YOU DIG! NJ ONE CALL800-272-1000
(al least 3 days prior to excavation) ELECTRIC RED GAS / OIL YELLOW
COMMUNICATION / TV ORANGE WATER BLUE SEWER GREEN
TEMP. SURVEY MARKINGS MAGENTA PROPOSED EXCAVATION WHITE
InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net
LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA
CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL
PATRICK R. WARD, PE, PP PROFESSIONAL ENGINEER, PLANNER NJPE 24GE05079000 NJPP 33L100626800
REVISIONS
Rev.# Date Comment 1 11/06/23 PER COUNTY & TOWNSHIP REVIEW
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PROJECT INFORMATION

C100

SHEET NO:

SITE PREPARATION NOTES

- 1. PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR/TO:
- a. ENSURE COPIES OF ALL PERMITS AND APPROVALS ARE ON SITE FOR REVIEW.b. THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO SITE DISTURBANCE.
- c. ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE, SHALL BE VERTICALLY AND HORIZONTALLY LOCATED. THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL UNDERGROUND UTILITIES.
- d. PROTECT AND MAINTAIN IN OPERATION, ALL ACTIVE SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
- FAMILIARIZE THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENT AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
- f. COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.
- g. A COMPLETE INSPECTION FOR CONTAMINANTS, BY A LICENSED ENVIRONMENTAL TESTING AGENCY, OF ALL BUILDINGS AND/OR STRUCTURES TO BE REMOVED SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ENVIRONMENTAL REGULATIONS. ALL CONTAMINANTS SHALL BE REMOVED AND DISPOSED OF BY A FEDERALLY LICENSED CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. ALL ENVIRONMENTAL WORK INCLUDING HAZARDOUS MATERIAL, SOILS, ASBESTOS, OR OTHER REFERENCED OR IMPLIED HEREIN IS SOLELY THE RESPONSIBILITY OF THE OWNER'S ENVIRONMENTAL CONSULTANT.
 h. THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISIONS. CONTRACTOR IS TO
- IN THE FIRM OF ENGINEER OF RECORD TO THE FOR ODD OF EACH OF OR ODD OF EACH OF OR ODD OF ENGINEER OF THE OTHER OTHER OF THE OTHER OTHE

OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE.

- IN ABSENCE OF SPECIFIC SPECIFICATION, THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES, DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY OWNER'S GEOTECHNICAL ENGINEER.
- 3. DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINES, WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY.
- 4. USE DUST CONTROL MEASURES TO LIMIT THE AMOUNT OF AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR TO WITHIN FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
- 5. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANY TIME.
- 6. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
- 7. EXPLOSIVES SHALL NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS SHALL BE IN PLACE PRIOR TO STARTING AN EXPLOSIVE PROGRAM. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.
- 8. ALL UTILITY CONNECTIONS TO ADJACENT BUILDINGS MUST STAY ACTIVE DURING CONSTRUCTION.
- 9. THE CONTRACTOR IS RESPONSIBLE TO ENSURE SHUT OFF, DISCONNECT, AND/OR CAPPING OF ALL UTILITIES TO THE SITE INCLUDING, BUT NOT LIMITED TO, WATER, SEWER, ELECTRIC, CABLE, TELEPHONE, ETC. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL UTILITY SHUT OFFS AND LETTERS, OBTAINING ALL PERMITS TO COMPLETE ALL PHASES OF THE PROJECT.
- 10. ALL STREET APPURTENANCES (INCLUDING SIGNS, POLES, TREES & FENCING) WITHIN THE LIMITS SHOWN ARE TO BE REMOVED AND DISPOSED OFF-SITE UNLESS OTHERWISE NOTED.
- 11. EXISTING LIGHTING AND UTILITY POLE REMOVALS ARE TO BE PERFORMED BY THE APPROPRIATE UTILITY COMPANY.
- 12. ALL UNDERGROUND UTILITIES, LINES, PIPING, STRUCTURES, FOUNDATIONS, VAULTS AND BUILDING FRAGMENTS ASSOCIATED WITH FORMER BUILDINGS, WITHIN THE PROJECT BOUNDARY, ARE TO BE REMOVED AND DISPOSED OFF SITE.
- 13. ALL STRUCTURES (CURBS, SIDEWALKS, PATIO, RETAINING WALL, FENCES, ASPHALT, CONCRETE, ETC.) WITHIN THE PROJECT'S BOUNDARY SHALL BE REMOVED AND DISPOSED OFF-SITE AT AN APPROPRIATE FACILITY.
- 14. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL EXCAVATED MATERIAL AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OFFSITE IN ACCORDANCE WITH ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES, ORDINANCES, AND LAWS.





	LEGEND	
EXISTING		PROPOSED
	BOUNDARY LINE	
	CONTOUR LINE	
+ 46.80	SPOT ELEVATION	+46.80
Xuuuuuunits	BUILDING	
	WALL	
G G	GAS	GAS
W W	WATER	WTR
	INLET	
0	STORM	0
0	SANITARY MAIN	S
SANO	SANITARY LATERAL	SANCO
ОН	OVERHEAD WIRE	O/H
E E	ELECTRIC	———— E ————
<i>T T</i>	TELEPHONE	TEL
ę	UTILITY POLE	
ĴŬ,	HYDRANT	X
	SIGN POST	
X X	FENCE	x x
Ý.	LIGHT FIXTURE	•••
<i>() '</i>	TEST PIT LOCATION	•
~	GRADE FLOW ARROW	
	SWALE CENTER LINE	<u> </u>





PROJECT INI	ORMATION
	Conot
	JUASI
LI	NEN SERVICES
PROJECT LOCATION:	
TAX MAP 34 (4/8/14); B 1100 6TH	LOCK 421, LOTS 2, 3 & 4 I AVENUE
TOWNSHIP MONMOUTH	OF NEPTUNE, I COUNTY, NJ
<u>OWNER:</u>	
1100 6TH A 1100 6TH	VENUE, LLC AVENUE
NEPTUNE	E, NJ 07753
APPLICANT:	
1100 6TH A 1100 6TH	VENUE, LLC A AVENUE
NEPTUNE	E, NJ 07753
APPLICANT'S P	ROFESSIONALS
ATTORNEY:	SELLO LLC
GREGORY VLLA, ESQ	ΙΤΕ 1Δ
MANASQUAN, NJ 0873	6
ARCHITECT:	
KELLENYI JOHNSON 21 PETERS PLACE	WAGNEK
RED BANK, NJ 07701	
<u>SURVEYOR:</u> VALLEE SURVEYING,	LLC
1010 COMMONS WAY TOMS RIVER, NJ 08755	5
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ENG	NEED.
Ate	A TONG
2	E
	V CA
WCE	2001
CALL BEFC NJ ONE CALL (at least 3 days	DRE YOU DIG! 800-272-1000
ELECTRIC GAS / OIL	RED YELLOW ORANGE
CADVIDUITING A FILLER OF	OKANGE
WATER SEWER TEMP SLIEVEY MARKINGS	GREEN MAGENTA
VATER SEWER TEMP. SURVEY MARKINGS PROPOSED EXCAVATION	BUUE GREEN MAGENTA WHITE
TEMP. SURVEY MARKINGS PROPOSED EXCAVATION	BUUE GREEN MAGENTA WHITE
TEMP. SURVEY MARKINGS PROPOSED EXCAVATION	BUUE GREEN MAGENTA WHITE
TEMP. SURVEY MARKINGS PROPOSED EXCAVATION	BLUE GREEN MAGENTA WHITE
TEMP. SURVEY MARKINGS PROPOSED EXCAVATION	BUUE GREEN MAGENTA WHITE SITE Site of the surveying of Planning
TEMP. SURVEY MARKINGS PROPOSED EXCAVATION	BUUE GREEN MAGENTA WHITE SITE ngineering • Surveying • Planning
TEMP. SURVEY MARKINGS PROPOSED EXCAVATION	BUUE GREEN MAGENTA WHITE SITE Sincering • Surveying • Planning neering, LLC PRIZATION: 24GA28083200 TE 14 WALL NL 07719
InSite Engi CERTIFICATE OF AUTHOR TEMP. SURVEY MARKINGS PROPOSED EXCAVATION	BUUE GREEN MAGENTA WHITE SITE Sincering • Surveying • Planning neering, LLC DRIZATION: 24GA28083200 FE 1A, WALL, NJ 07719 732-531-7344 (Fax) of www. InSiteEng.net
WATER SEWER TEMP. SURVEY MARKINGS PROPOSED EXCAVATION	BUUE GREEN MAGENTA WHITE SITE ngineering • Surveying • Planning neering, LLC DRIZATION: 24GA28083200 FE 1A, WALL, NJ 07719 732-531-7344 (Fax) et www.InSiteEng.net
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GENERAL NOTES

- SUBJECT PROPER TAX MAP #4: BLOCK 421, LOTS 2, 3 & 4, 1100 6TH AVENUE, TOWNSHIP OF NEPTUNE,
- MONMOUTH COUNTY, NEW JERSEY CENTER SITE COORDINATES 499,201 N 626,070 E.
- . <u>PURPOSE OF THIS PLAN SET</u> THIS PLAN SET HAS BEEN PREPARED FOR THE PURPOSE OF PRELIMINARY & FINAL MAJOR SITE PLAN MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THE PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL FINAL APPROVALS HAVE BEEN OBTAINED AND ALL THE CONDITIONS OF THE APPROVALS HAVE BEEN SATISFIED.
- SURVEY DATA
- SURVEY INFORMATION CONTAINED HEREON IS BASED ON A FIELD SURVEY PERFORMED BY VALLEE SURVEYING, LLC, ENTITLED "PLAN OF SURVEY", DATED 02/09/15, LAST REVISED ON 09/14/23. VERTICAL DATUM: NAVD88
- BASE FLOOD ELEVATION
- ACCORDING TO FEMA'S EFFECTIVE FIRM ENTITLED "FIRM FLOOD INSURANCE RATE MAP (FIRM), MONMOUTH COUNTY, NEW JERSEY (ALL JURISDICTIONS)," COMMUNITY PANEL #34025C0334F, DATED 9/25/09, THE SITE IS NOT LOCATED IN A FLOOD ZONE. ACCORDING TO FEMA'S CURRENT PRELIMINARY FIRM ENTITLED, "PRELIMINARY FLOOD INSURANCE RATE MAP (FIRM)", COMMUNITY PANEL #34025C0334G, DATED 01/31/14, THE SITE IS NOT LOCATED IN A FLOOD ZONE. BOTH FEMA MAPS REFERENCE THE NAVD88 VERTICAL DATUM.
- **ARCHITECTURAL INFORMATION**
- ARCHITECTURAL INFORMATION CONTAINED HEREON IS BASED ON PLANS PREPARED BY KELLENYI JOHNSON WAGNER, ENTITLED "COAST LINEN ADDITION", BEING REVISED THROUGH 10/25/23.
- UNDERGROUND UTILITIES NOTIFICATION FOR ANY EXCAVATION IN NEW JERSEY, THE CONTRACTOR MUST CALL NEW JERSEY ONE CALL SERVICE AT 1-800-272-1000 FOR A MARKOUT REQUEST NO LESS THAN THREE (3) WORKING DAYS PRIOR TO STARTING ANY EXCAVATION.
- VERIFICATION OF UTILITIES THE CONTRACTOR IS DIRECTED TO THE FACT THAT THE APPROXIMATE LOCATIONS OF KNOWN UTILITY STRUCTURES AND FACILITIES (INCLUDING BUT NOT LIMITED TO SANITARY SEWERS, STORM SEWERS, POTABLE WATER LINES AND APPURTENANCES, NATURAL GAS LINES, ELECTRIC, TELEPHONE AND CATV LINES AND UNDERGROUND STORAGE TANKS) THAT MAY BE ENCOUNTERED WITHIN AND ADJACENT TO THE LIMITS OF THE WORK ARE SHOWN ON THE PLANS. THE ACCURACY AND COMPLETENESS OF THIS INFORMATION IS NOT GUARANTEED BY THE ENGINEER, AND THE CONTRACTOR IS ADVISED TO VERIFY IN THE FIELD ALL THE FACTS CONCERNING THE LOCATION AND ELEVATION OF THESE UTILITIES OR OTHER CONSTRUCTION OBSTACLES IMPACTED BY NEW CONSTRUCTION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, PRIOR TO CONSTRUCTION, OF ANY DISCREPANCIES WHICH MAY AFFECT THE PROJECT DESIGN.
- SPECIFICATIONS UNLESS OTHERWISE NOTED HEREON, ALL SITE WORK SHALL BE CARRIED OUT IN CONFORMANCE WITH THE PROVISIONS OF THE "NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
- 9. CONSTRUCTION REQUIREMENTS a. ALL CONSTRUCTION AND DEMOLITION SHALL CONFORM WITH ANY APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. CONTRACTOR HAS SOLE RESPONSIBILITY FOR SITE SAFETY WAYS, MEANS AND METHODS OF CONSTRUCTION, AND SHALL CONFORM TO AND ABIDE BY ALL CURRENT OSHA
 - STANDARDS OR REGULATIONS. SAFE CONSTRUCTION PRACTICES REMAIN THE OBLIGATION OF THE CONTRACTOR. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE FEDERAL, STATE AND LOCAL
- PERMITS PRIOR TO CONSTRUCTION. b. THE CONTRACTOR SHALL PERFORM ALL WORK IN A FINISHED AND WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE
- PRACTICES c. THE CONTRACTOR SHALL PROVIDE NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS, AND OTHER
- TRAFFIC CONTROL METHODS AS MAY BE NECESSARY WITHIN THE PROJECT FOR THE PROTECTION AND THE SAFETY OF THE PUBLIC AND MAINTAIN THROUGHOUT CONSTRUCTION.
- d. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE CLEANUP WITHIN THE CONSTRUCTION AREA AND SHALL DISPOSE OF DEBRIS IN ACCORDANCE WITH ANY LOCAL, STATE OR FEDERAL REGULATIONS. e. ANY DAMAGE TO PUBLIC STREETS, CURBS, SIDEWALKS AND UTILITIES AS A RESULT OF SITE
- CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR.
- 11. CONSTRUCTION PERMITS/INSPECTIONS CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS INCLUDING ROAD OPENING PERMITS, PREPARATION OF TRAFFIC CONTROL PLANS, INSTALLATION AND MAINTENANCE OF TRAFFIC CONTROL AND COORDINATION OF ALL INSPECTIONS REQUIRED BY THE TOWNSHIP OF NEPTUNE, COUNTY OF MONMOUTH, WATER COMPANY, SEWER COMPANY, AND ANY OTHER APPLICABLE AGENCY HAVING JURISDICTION OVER THE PROJECT.
- 12. ADA COMPLIANCE
- a. ALL SITE IMPROVEMENTS LOCATED ON THE PRIVATE PROPERTY SHALL BE IN COMPLIANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, STANDARDS FOR PUBLIC ACCOMMODATIONS AND COMMERCIAL FACILITIES: TITLE III.
- b. ALL SITE IMPROVEMENTS LOCATED WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN COMPLIANCE WITH THE CURRENT PUBLIC RIGHTS-OF-WAY ACCESS ADVISORY COMMITTEE GUIDELINES.
- 13. <u>STORMWATER POLLUTION PREVENTION PLAN</u> a. SOIL EROSION PLANS HAVE BEEN PREPARED TO ADDRESS EROSION AND SEDIMENT CONTROL
- COMPONENT OF THE STORMWATER POLLUTION PREVENTION PLAN (SPPP) AT TIME OF DESIGN. ALL OTHER COMPONENTS OF THE SPPP AND GENERAL STORMWATER PERMIT NO. NJ6008823 TO BE RESPONSIBILITY OF THE DEVELOPER AND/OR SITE CONTRACTOR. b. CONTRACTOR/DEVELOPER MUST PREPARE AND FOLLOW A STORMWATER POLLUTION PREVENTION PLAN FOR THE DURATION OF THE PROJECT.
- OVERALL CONSTRUCTION DOCUMENTS IIS PLAN SET CONSISTS OF MULTIPLE SHEETS. INDIVIDUAL PAGES SHALL NOT BE UTILIZED FOR CONSTRUCTION ON THEIR OWN AS NOTES AND INFORMATION PROVIDED ON OTHER SHEETS MAY IMPACT
- WORK REQUIREMENTS. CONTRACTOR SHALL REVIEW AND UTILIZE ENTIRE PLAN SET FOR CONSTRUCTION.
- **15.** <u>CURB REPLACEMENT</u> ALL CURB TO BE REPLACED AS NECESSARY TO THE SATISFACTION OF THE TOWNSHIP ENGINEER.</u>



SCALE : 1" = 30'

SUALE	. 1	= 30	

	LEGEND	
EXISTING		PROPOSED
	BOUNDARY LINE	
	CONTOUR LINE	
+ 46.80	SPOT ELEVATION	+46.80
	BUILDING	
	WALL	
G G	GAS	GAS
W W	WATER	WTR
	INLET	
0	STORM	D
0	SANITARY MAIN	S
SANO	SANITARY LATERAL	SAN
OH	OVERHEAD WIRE	O/H
E E	ELECTRIC	——— E ———
T T	TELEPHONE	TEL
ę	UTILITY POLE	
	HYDRANT	X
	SIGN POST	•
X X	FENCE	x x
¢.	LIGHT FIXTURE	•••
	TEST PIT LOCATION	
(GRADE FLOW ARROW	
:	SWALE CENTER LINE	<u> </u>



ZONING COMPLIANCE CHART							
TRV (TRANSIT VILLAGE) ZONE - COMMERCIAL							
FIRST FLOOR PERSONAL SERVICE PERMITTED							
	5 000	128 9/3 7 (2 96 AC)	128 788 03 (2 96 AC) VES				
(FT)	50	300.6	NO CHANGE YES				
DING							
D SETBACK (FT)							
E (FT)	0	66.3	NO CHANGE YES				
IE (FT)	0	0.22 (OVER PL) (N	N) NO CHANGE (N) NO (6.37 TO ADDITION)				
RIVE (FT)	0	0.9	NO CHANGE YES				
RD SETBACK (FT)							
E (FT)	15	66.3 (1	N) NO CHANGE (N) NO				
IE (FT)	15	0.22 (OVER PL)	NO CHANGE YES (5.81 TO ADDITION)				
RIVE (FT)	15	0.9	NO CHANGE YES				
SETBACK	0	25.2	NO CHANGE YES (87.47 TO ADDITION)				
SETBACK	15	25.2 (1	N) NO CHANGE (N) NO (87.47 TO ADDITION)				
SETBACK	0	N/A	NO CHANGE YES				
) SETBACK	N/A	N/A	NO CHANGE YES				
IEIGHT (FT)	48	19.0 (*	1) 31.18 YES				
EIGHT (STORIES)	2	1 (1	N) 1 (N) NO				
IEIGHT (STORIES)	4	1	2 YES				
PAGE (%)	80	97.6 (1	N) 94.1 (I)()/) NO				

(X) VARIANCE / NON-CONFORMITY ELIMINATED N/S - NOT SPECIFIED (W) PROPOSED WAIVER

(a) THIS PERTAINS TO AN EXISTING STRUCTURE WHICH WAS NOT MADE AVAILABLE TO THIS OFFICE

) BUILDING HEIGHT: THE VERTICAL DISTANCE FROM FINISHED GRADE TO THE TOP OF THE HIGHEST ROOF BEAMS ON A FLAT OR SHED ROOF, THE DECK LEVEL ON A MANSARD ROOF, AND THE AVERAGE HEIGHT BETWEEN THE EAVES AND THE RIDGE LEVEL FOR GABLE, HIP, AND GAMBREL ROOFS. 16.23+15.58+20.72+18.50+19.91+19.00+16.00+17.00=143.94/8 = 17.99 FINISHED GRADE

PARKING, DRIVEWAY & LOADING COMPLIANCE CHART				
STANDARD	REQUIRED	PROPOSED	COMPLIES	
	9 X 18	9 X 18	YES	
KING SPACES	44 SPACES	44 SPACES	YES	
RING & ASSEMBLY:		(INCLUDING 2 HANDICAP SPACES)		
SF OF GROSS FLOOR AREA	41,631 SF / 1,500 = 27.75 SPACES			
OF GROSS FLOOR AREA	4,645 SF / 300 = 15.48 SPACES			
Y (I) IMPROVED CONDITION	N/A - NOT A	PPLICABLE		
(X) VARIANCE / NON-CONFO	RMITY ELIMINATED N/S - NOT S	PECIFIED		
(W) PROPOSED WAIVER				

a) THIS PERTAINS TO AN EXISTING STRUCTURE WHICH WAS NOT MADE AVAILABLE TO THIS OFFICE

SIG	NAGE COMPLIANCE CH	ART		
STANDARD	REQUIRED	EXISTING	PROPOSED	COMPLIES
RIVE & 6TH AVE. SIGN (SF)	48 (2)	18	NO CHANGE	YES
N (SF)	48 (2)	N/A	48	YES
HEIGHT (FT)				
RIVE & 6TH AVE. SIGN (SF)	15	8	NO CHANGE	YES
N (SF)	15	N/A	15	YES
I (FT)				
RIVE & 6TH AVE. SIGN (SF)	12	7	NO CHANGE	YES
N (SF)	12	N/A	12	YES
WALL SIGNS	1	1	2 (3)(V)	NO
(I) IMPROVED CONDI	TION	N/A - NOT APPLICABL	F	

(X) VARIANCE / NON-CONFORMITY ELIMINATED N/S - NOT SPECIFIED (W) PROPOSED WAIVER

A) THIS PERTAINS TO AN EXISTING STRUCTURE WHICH WAS NOT MADE AVAILABLE TO THIS OFFICE

(2) 48 SQUARE FEET, OR ONE-AND-TWO TENTHS (1.2) SQUARE FEET FOR EACH LINEAL FOOT OF WALL FACE THAT THE SIGN IS MOUNTED ON, WHICHEVER

LOT COVERAGE CALCULATIONS					
ITEM	EXISTING (SF)	PROPOSED (SF)			
BUILDING	44,426	49,117			
TRAILERS/CONTAINERS	5,715	1,439			
CONCRETE	12,846	15,889			
WALLS	154	76			
STEPS	126	162			
ASPHALT PAVEMENT	9,839	8,222			
ENTRY DRIVE STONE (5TH AVE.)	N/A	486			
COMPACTED SURFACE	52,794	45,841			
TOTAL	125,900	121,232			

ROJECT LOCATION: TAX MAP 34 (4/8/14); BLOCK 421, LOTS 2, 3 & 4 1100 6TH AVENUE TOWNSHIP OF NEPTUNE, MONMOUTH COUNTY, NJ OWNER: 1100 6TH AVENUE, LLC 1100 6TH AVENUE NEPTUNE, NJ 07753 PLICANT: 1100 6TH AVENUE, LLC 1100 6TH AVENUE NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS ATTORNEY COLLINS, VELLA & CASELLO, LLC GREGORY VLLA, ESQ. 2317 HIGHWAY 34, SUITE 1A MANASQUAN, NJ 08736 ARCHITECT **KELLENYI JOHNSON WAGNER** 21 PETERS PLACE RED BANK, NJ 07701 SURVEYOR: VALLEE SURVEYING, LLC 1010 COMMONS WAY TOMS RIVER, NJ 08755 CALL BEFORE YOU DIG! NJ ONE CALL.....800-272-1000

PROJECT INFORMATION

OJECT NAME:

InSite Engineering, LL CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net

LICE	NSED IN DELAWA COL	: NEW JERSEY ARE, CONNECT ORADO, & DIS	Ϋ́, NEW YO TICUT, NO TRICT OF	ORK, PEN RTH CAR COLUME	NSYLVAN OLINA BIA	AIF
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Rev.# L	Date	Comment				

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DA	TE: 05/22	2/23	DRAWI	N BY:	TJ	J
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				APP	RO	VED BY:
	FOR CO	ONSTRUC	TION			
	PLAN INFORMATION					
DRAV	DRAWING TITLE:					
	PREL	.IMINA	RY	& F	IN	AL
MAJOR SITE PLAN						

SHEET TITLE:

SITE PLAN

C300

SHEET NO:

COUNTY SIGHT DISTANCE TRIANGLE _____ (40 MPH X 10 = 400 FEET)

	LEGEND	
EXISTING		PROPOSED
	BOUNDARY LINE	
58	CONTOUR LINE	
+ 46.80	SPOT ELEVATION	+46.80
Kummunnik	BUILDING	
	WALL	
G G	GAS	GAS
W W	WATER	WTR
	INLET	
0	STORM	D
0	SANITARY MAIN	S
SANO _{CC}	SANITARY LATERAL	SAN
——————————————————————————————————————	OVERHEAD WIRE	O/H
——————————————————————————————————————	ELECTRIC	———— E ————
<i>T T</i>	TELEPHONE	TEL
ę	UTILITY POLE	ę
	HYDRANT	X
	SIGN POST	
X X	FENCE	x x
¢.	LIGHT FIXTURE	•••
	TEST PIT LOCATION	
~	GRADE FLOW ARROW	
	SWALE CENTER LINE	<u> </u>

		PROJECT INFORMATION PROJECT NAME:
		Coast LINEN SERVICES
		PROJECT LOCATION: TAX MAP 34 (4/8/14); BLOCK 421, LOTS 2, 3 & 4 1100 6TH AVENUE TOWNSHIP OF NEPTUNE, MONMOUTH COUNTY, NJ
		1100 6TH AVENUE, LLC 1100 6TH AVENUE NEPTUNE, NJ 07753
		APPLICANT: 1100 6TH AVENUE, LLC 1100 6TH AVENUE NEPTUNE, NJ 07753
		APPLICANT'S PROFESSIONALS
		ATTORNEY: COLLINS, VELLA & CASELLO, LLC GREGORY VLLA, ESQ. 2317 HIGHWAY 34, SUITE 1A MANASQUAN, NJ 08736
		ARCHITECT: KELLENYI JOHNSON WAGNER 21 PETERS PLACE RED BANK, NJ 07701
		<u>SURVEYOR:</u> VALLEE SURVEYING, LLC 1010 COMMONS WAY TOMS RIVER, NJ 08755
		SINCE 2003
		CALL BEFORE YOU DIG!
		(at least 3 days prior to excavation) ELECTRIC RED GAS / OIL YELLOW
		COMMUNICATION / TV ORANGE WATER BLUE SEWER GREEN TEMP. SURVEY MARKINGS MAGENTA
		InSite Engineering • Surveying • Planning InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net
		LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA
		CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AND MAY HAVE BEEN ALTERED
		PATRICK R. WARD, PE, PP PROFESSIONAL ENGINEER, PLANNER NJPE 24GE05079000 NJPP 33LI00626800
		REVISIONS
		Rev.# Date Comment
		Image:
		1 11/06/23 PER COUNTY & TOWNSHIP REVIEW
		SCALE: AS SHOWN DESIGNED BY: PRW
		DATE: 05/22/23 DRAWN BY: TJJ JOB #: 21-711-02 CHECKED BY: PRW
		APPROVED BY:
30		PLAN INFORMATION
		DRAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN
SU—30 — Single Unit Truck Overall Length Overall Width Overall Body Height Min Body Ground Clearance Track Width Lock—to—lock time	30.000ft 8.000ft 1.3.500ft 1.367ft 8.000ft 5.00s	SHEET TITLE: TRUCK MOVEMENT PLAN
Max Steering Angle (Virtual)	31.80	<u>sheet NO:</u> С301

PROJECT INFORMATION
COASE LINEN SERVICES
PROJECT LOCATION:
TAX MAP 34 (4/8/14); BLOCK 421, LOTS 2, 3 & 4
1100 6TH AVENUE
NEPTUNE, NJ 07753
APPLICANT:
1100 6TH AVENUE, LLC
1100 6TH AVENUE NEPTUNE, NJ 07753
APPLICANT'S PROFESSIONALS
ATTORNEY:
GREGORY VLLA, ESQ.
2317 HIGHWAY 34, SUITE 1A MANASQUAN, NJ 08736
<u>ARCHITECT:</u> KELLENYI JOHNSON WAGNER
21 PETERS PLACE RED BANK NJ 07701
<u>SURVEYOR:</u> VALLEE SURVEYING, LLC
1010 COMMONS WAY
101110 NIVER, 143 00/00
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NJ ONE CALL800-272-1000
ELECTRIC RED
GAS / OIL YELLOW
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GAS / OIL YELLOW COMMUNICATION / TV ORANGE WATER BLUE SEWER GREEN TEMP. SEWER GREEN PROPOSED EXCAVATION WHITE Image: Comparison of the proposed excavation Insite Engineering, LLC Certificate of Authorization: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) Insite@InsiteEng.net Insite@InsiteEng.net www.InsiteEng.net Licensed In:: NEW JERSEY, NEW YORK, PENNSYLVANIA Delaware, connectricut, North Carolina Colorado, & District of columbia Colorado, a bistrict of columbia Caution: If this document does not contain the signature And raised seal of the professional, it is not an original, and the been al tere Marke Been al tere
GAS'OIL YELLOW COMMUNICATION/TV ORANGE BLUE SEVER GREEN TEMP. SURVEY MARKINGS MARANGE PROPOSED EXCAVATION WHITE
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GAS: OIL YELLOW COMMUNICATION / TV ORANGE BLUE SEWER SEWER GREEN TEMP. SURVEY MARKINGS MAGENTA PROPOSED EXCAVATION WHITE Image: Comparison of the strength of the strengt
CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AND RAISED SEAL OF THE PROFESSIONAL TIES NOT AN ORIGINAL AND RAISED SEAL OF THE PROFESSIONAL TIES NOT AN ORIGINAL AND RAISED SEAL OF THE PROFESSIONAL AN ORIGINAL AND RAISED SEAL OF THE PROFESSIONAL AND REFERENCE DESCRIPTION: 24 CONNECTION: 24 CONNECTION: 24 CAUTION 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AND RAISED SEAL OF THE PROFESSIONAL ALTERED PATERICK R. WARD, PE, PP PROFESSIONAL ENGINEER, PLANNER NJPE 24GE05079000 NJPP 33LI00626800 1 11/06/23 PER COUNTY & TOWNSHIP REVIEW 0 05/22/23 INITIAL RELEASE
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C400

		PROJECT INFORMATION
		<u>PROJECT NAME:</u>
		Coost
		(The Coast
		LINEN SERVICES
		<u>PROJECT LOCATION:</u> TAX MAP 34 (4/8/14): BLOCK 421 LOTS 2 3 & 4
		1100 6TH AVENUE TOWNSHIP OF NEPTUNE,
		MONMOUTH COUNTY, NJ
		1100 6TH AVENUE, LLC
		1100 6TH AVENUE NEPTUNE, NJ 07753
		APPLICANT:
		1100 6TH AVENUE, LLC
		NEPTUNE, NJ 07753
		APPLICANT'S PROFESSIONALS
		ATTORNEY:
		GREGORY VLLA, ESQ. 2317 HIGHWAY 34, SUITE 1A
		MANASQUAN, NJ 08736
		<u>ARCHITECT:</u> KELLENYI JOHNSON WAGNER
		21 PETERS PLACE RED BANK, NJ 07701
		SURVEYOR:
		VALLEE SURVEYING, LLC 1010 COMMONS WAY TOMS RIVER NU 08755
		IUNIS KIVER, NJ UB100
		ENGINEER
		Sty No.
		SINCE 2003
		CALL BEFORE YOU DIG! NJ ONE CALL800-272-1000
		(at least 3 days prior to excavation) ELECTRIC RED GAS / OIL YELLOW
		COMMUNICATION / TV ORANGE WATER BLUE SEWER GREEN
		TEMP. SURVEY MARKINGS MAGENTA PROPOSED EXCAVATION WHITE
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W.		InSite Engineering. LLC
LIN		CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719
		732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net
		DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA
		CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL
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		PATRICK R. WARD, PE, PP
		PROFESSIONAL ENGINEER, PLANNER NJPE 24GE05079000 NJPP 33LI00626800
		REVISIONS
		Rev.# Date Comment
I		
		0 05/22/23 INITIAL RELEASE SCALE: AS SHOWN DESIGNED BY PRW
		DATE: 05/22/23 DRAWN BY: TJJ
A.10		JOB #: 21-711-02 СНЕСКЕД ВУ: PRW
<u>COUNTY_SIGHT_DISTANCE_</u> TRIANGLE TURNING_RIGHT		CAD ID: 21-711-02r1
(40 MPH X 10 = 400 FEET)		APPROVED BY:
		FOR CONSTRUCTION PLAN INFORMATION
		DRAWING TITLE:
		PRELIMINARY & FINAL
		MAJOR SITE PLAN
PLANT	ING SCHEDULE	
BOTANICAL NAME THUJA OCCIDENTALIS 'LITTLE GIANT'	COMMON NAME SIZE ROOT LITTLE GIANT ARBORVITAE 4'-5' cont.	LANDSCAPE PLAN
'EMERALD GREEN' ARBORVITAE	SMARAGD 6' cont.	SHEET NO:
		C600

File: X:\Jubs\711 — Brian Santonello — Coast Linen Services\21-711-02 — 1100 6th Avenue_Neptune, NJ\2171102CAD\dwg\07-Details.dwg, ---> C800 Det Coovricht: 2023. InStre Encineering. LLC. All Richts Reserved.

D-Series Size 2 LED Wall Luminaire	Catalog Number	Coast
	Туре	
d"series Buy American	The the Tab key or mouse over the page to see all interactive elements.	
Specifications Luminaire Back Box (BBW)	This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.	
Width: 18-1/2" (4/0 cm) Weight: 21 lbs (9.5 kg) Width: 5-1/2" (14.0 cm) BBW Weight: 1 lbs (0.5 kg) Depth: 10" (25 A cm) Depth: 1-1/2" (0 cm) 0 cm)	 All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency This luminaire is A + Cortified when ordered with DTI [®] 	<u>PROJECT LOCATION:</u> TAX MAP 34 (4/8/14); BLOCK 421, LOTS 2, 3 & 4
Height: 7-5/8" (19.4 on) For 3/4" NPT_D.	 This fulfillate is A+ Certified when ordered with DTL controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1 	1100 6TH AVENUE TOWNSHIP OF NEPTUNE, MONMOUTH COUNTY, NJ
	 This luminaire is part of an A+ Certified solution for ROAM[®] or XPoint[™] Wireless control networks, providing out-of-the-box control compatibility with 	<u>OWNER:</u> 1100 6TH AVENUE. LLC
ww	simple commissioning, when ordered with drivers and control options marked by a <mark>shaded background</mark> ¹ To learn more about A+,	1100 6TH AVENUE NEPTUNE, NJ 07753
	visit <u>www.acuitybrands.com/aplus</u> . 1. See ordering tree for details.	APPLICANT: 1100 6TH AVENUE, LLC
A+Capable options indicated by this color background.	 A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: <u>Link to Roam</u>; <u>Link to DTL DLL</u> 	1100 6TH AVENUÉ NEPTUNE, NJ 07753
Ordering Information EXAMP	E: DSXW2 LED 30C 700 40K T3M MVOLT DDBTXD	APPLICANT'S PROFESSIONALS ATTORNEY:
DSXW2 LED Drive Current Color temperature Distribution Voltage	Mounting Control Options	COLLINS, VELLA & CASELLO, LLC GREGORY VLLA, ESQ. 2317 HIGHWAY 34, SUITE 1A
DSXW2 LED 20C 20C 350 350 mA 30K 3CCC K T2S Type: LNor MV0LT3 10x0 engines) 530 530 mA 40K 402e K T2M ype: L3edum 1201 30C 5055 700 700 mA 59K 500 K T3S ype: L3edum 2081	Shipped included Shipped installed (b ark) Surface PE Procelectric cell, b, toon type? mounting backer PER VeXMA by st, book receptore learly (control ordered proceder)	MANASQUAN, NJ 08736
(three encines) 1000 (200 mV) AMBPC Amber 13M Sypel Kachum 240 * sheep or response 17A Sheep or the sheep of	Bit per la participation Deckson Deckson <thdeckson< th=""> Deckson <thdeckson<< th=""><th><u>ARCHITECT.</u> KELLENYI JOHNSON WAGNER 21 PETERS PLACE PED PANK NU 03701</th></thdeckson<<></thdeckson<>	<u>ARCHITECT.</u> KELLENYI JOHNSON WAGNER 21 PETERS PLACE PED PANK NU 03701
400 **	mounted DMG 0.1 Coverinming wires pulled outs de fixture (for use with an external control, or cored september) beze cost (for conduition my) PIR 180P motion canceled by the second wire for the first second of the second cost of the second wire for the second wire for the second wire for the second cost of the second cost	SURVEYOR:
	PIRTEC3V Reading from the memory and the	VALLEE SURVEYING, LLC 1010 COMMONS WAY TOMS RIVER, NJ 08755
	diffulgit, ser yan ende ser et i konor	
Other Options Finish prequired; Shipped installed Shipped separately. ³ DDBXD Toric 3rd 3rd DDSXD	Sendale re DWHGXD Tex und white	
SF Single luss (122, 277, 3479), BSW Sht - Electron (Solves DBLXD Stack DDB), DF Det ofer free (208, 240, 4309) VG varies guisid DNAXD Vatura al, minum DBLB, HS House-stock shield. W DNAXD Vatura al, minum DBLB, SPD Stack advisinge interform ¹⁹	D Textured derivationze DSSTXD Textured servestone D Textured black D Textured nature all minum	
One Lithenia Way • Convers, Georgia 30012 • Phone: 1 800 705 SE	RV (7378) • vsvwlithonia.com DSXW2-LED Rv (7478)	THE ENGINEERING
© 2012-2021 Acuity Brands Lighting, Inc. All rights reserved. COMMERCIAL OUTDOOR	Page 1 of 4	
TYPE A LIGH	FIXTURE	Stu V O3
NTS		CALL BEFORE YOU DIG!
		AJ UNE CALL800-272-1000 (at least 3 days prior to excavation) ELECTRIC RED GAS/OIL YELLOW
	BRACE RAILS-HOT DIPPED GALVANIZED OR ALUMINUM AS SPECIFIED	COMMUNICATION TW ORANGE WATER BLUE SEWER GREEN TEMP. SURVEY MARKINGS MAGENTA PROPOSED EXCAVATION WHITE
# 3 BAUBE VINYL CLAD WIRE -	FABRIC TIES	\checkmark
CAP BRACE BAND	STANDARD SPRING	
1"X1/8" STRETCHER BAR BAND WITH 1/4" CARRIAGE BOLT.	FABRIC TIES	
END POST HOT-DIPPED GALVANIZED STEEL OR ALUMINUM		InSite Engineering, LLC
	ROD 3/8" Ø	CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax)
	IN CONC. SHALL RECEIVE ONE COAT OF ZINC CHAOMATE PRIMER	
		LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA
Hereit and the second s		CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AUSTRAY HAVE BEEN ALTERED
		PATRICK R. WARD, PE, PP
PLUG END HOG RING FASTENERS -	با ا ع	PROFESSIONAL ENGINEER, PLANNER NJPE 24GE05079000 NJPP 33L100626800
OF POST BOTTOM TENSION <u>CLASS "C" CONC.</u> TOP WIRE (MIN. DIA. 0.1875) DOMED 2" ABOVE FINISH GRADE	SEE SCHEDULE	REVISIONS
NOTES:		Rev.# Date Comment
1. FENCE FABRIC SHALL BE #3 GAUGE VINYL CLAD WIRE 2. UNLESS OTHERWISE PROVIDED, FENCE DETAILS SHA OF ASTM. M181-60.	L CONFORM TO THE REQUIREMENTS	Image:
DESCRIPTION	NOMINAL FENCE HEIGHT R 4' 4' - 8' 8' - 12'	1 11/06/23 PER COUNTY & TOWNSHIP REVIEW 0 05/22/23 INITIAL RELEASE
IN-LINE POST 2" TERMINAL AND CORNER POSTS 2-1/2	2-1/2" 2-1/2" " 3" 3"	scale: AS SHOWN designed by: PRW date: 05/22/23 drawn by: TJJ
BRACE RAILS (TOP, BOTTOM OR INTERMEDIATE) 1-3/8 FOOTING SCHEDULE	" 1-5/8" 1-5/8"	јов #: 21-711-02 снескед ву: PRW сад ід: 21-711-02r1
FOOTING DEPTH - CORNER AND TERMINAL POSTS 3'-6'	<u>4'-0" 4'-0"</u>	NOT FOR CONSTRUCTION
- GATE POSTS 3'-0' - GATE POSTS 3'-6' FOOTING DIAMETER (BOTTOM)	<u>4'-0" 4'-0"</u>	FOR CONSTRUCTION PLAN INFORMATION
- CORNER AND TERMINAL POSTS 12" - IN LINE POSTS 10" - GATE POSTS 12"	14" 16" 12" 14" 14" 16"	DRAWING TITLE:
FOOTING DIAMETER (TOP) - CORNER AND TERMINAL POSTS 10" - IN LINE POSTS 2"	12" 14" 10" 12"	PRELIMINARY & FINAL MAJOR SITE PLAN
- GATE POSTS 10" * SPAN AS PER SINGLE LEAF	12" 14"	
		CONSTRUCTION
CHAIN LINK FENCE	& SCHEDULE	DETAILS
		C800

PROJECT INFORMATION

OJECT NAME:

SOIL EROSION AND SEDIMENT CONTROL NOTES D SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY SOIL DISTURBING 2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS. 4. N.J.S.A 4:24-39 ET. SEQ. REQUIRES THAT NO CERTIFICATES OF OCCUPANCY BE ISSUED BEFORE THE DISTRICT DETERMINES THAT A PROJECT OR PORTION THEREOF IS IN FULL COMPLIANCE WITH THE CERTIFIED PLAN AND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY AND A REPORT OF COMPLIANCE HAS BEEN ISSUED. UPON WRITTEN REQUEST FROM THE APPLICANT, THE DISTRICT MAY ISSUE A REPORT OF COMPLIANCE WITH CONDITIONS ON A LOT-BY-LOT OR SECTION-BY-SECTION BASIS, PROVIDED THAT THE PROJECT OR PORTION THEREOF IS IN SATISFACTORY COMPLIANCE WITH THE SEQUENCE OF DEVELOPMENT AND TEMPORARY MEASURES FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN IMPLEMENTED, INCLUDING PROVISIONS FOR STABILIZATION AND SITE WORK. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SIXTY (60) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF 2 TO 2 ½ TONS PER ACRE, ACCORDING TO STATE STANDARD FOR STABILIZATION WITH MULCH ONLY. . IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STOCKPILES, STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AND A MULCH ANCHOR, IN ACCORDANCE WITH STATE STANDARDS. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS, AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED

- WITHIN FIFTEEN (15) DAYS OF THE PRELIMINARY GRADING 8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE. AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOTS
- REQUIRE A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF ONE INCH TO TWO INCH (1" 2") STONE FOR A MINIMUM LENGTH OF TEN FEET (10') EQUAL TO THE LOT ENTRANCE WIDTH. ALL OTHER ACCESS POINTS SHALL BE BLOCKED OFF. 9. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAYS WILL BE
- REMOVED IMMEDIATELY. 10. PERMANENT VEGETATION IS TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. 11. AT THE TIME THAT SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
- 12. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS/ACRE, (OR 450 LBS/1,000 SQ FT OF SURFACE AREA) AND COVERED WITH A MINIMUM OF 12" OF SETTLED SOIL WITH A PH OF 5 OR MORE, OR 24" WHERE TREES OR SHRUBS ARE TO BE PLANTED.
- 13. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL. 14. UNFILTERED DEWATERING IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DEWATERING OPERATIONS TO
- MINIMIZE SEDIMENT TRANSFER. ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE WITH THE STANDARD FOR DEWATERING. 15. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY. THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET. TEMPORAR' VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL.
- 16. STOCKPILE AND STAGING LOCATIONS ESTABLISHED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMIT OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN. CERTIFICATION OF A NEW SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE REQUIRED FOR THESE ACTIVITIES IF AN AREA GREATER THAN 5,000 SQUARE FEET IS DISTURBED.
- ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #6. 18. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT

TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

1. SITE PREPARATION

- A. GRADE 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, PG, 19-1.
- B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES. SEDIMENT BASINS. AND WATERWAYS. SEE STANDARDS 11 THROUGH 42. C. IMMEDIATELY PRIOR TO SEEDING, THE SURFACE SHOULD BE SCARIFIED 6" TO 12" WHERE THERE HAS BEEN SOIL
- COMPACTION. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.).

2. SEEDBED PREPARATION

- A. APPLY GROUND LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE. LIMING RATES SHALL BE ESTABLISHED VIA SOIL TESTING. CALCIUM CARBONATE IS THE EQUIVALENT AND STANDARD FOR MEASURING THE ABILITY OF LIMING MATERIALS TO NEUTRALIZE SOIL ACIDITY AND SUPPLY CALCIUM AND MAGNESIUM TO GRASSES AND
- B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW. OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED.
- C. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED IN ACCORDANCE WITH THE ABOVE
- D. SOILS HIGH IN SULFIDES OR HAVING A PH OF 4 OR LESS REFER TO STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, PG, 1-1.
- 3. SEEDING
- A. TEMPORARY VEGETATIVE SEEDING COVER SHALL CONSIST OF PERENNIAL RYEGRASS APPLIED UNIFORMLY AT A RATE OF 1 POUND PER 1,000 SF (100 LBS/AC) WITH AN OPTIMUM SEED DEPTH OF 0.5" (TWICE THE DEPTH IF SANDY SOILS), IN ACCORDANCE WITH TABLE 7-2, PAGE 7-3. *SEEDING DATES: 2/15-5/1 AND 8/15-10/15
- CONVENTIONAL SEEDING. APPLY SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL, TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE TEXTURED SOIL
- C. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK OR TRAILER MOUNTED TANK. WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED. WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORT FIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION IV MULCHING) HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL POOR SEED TO SOIL CONTACT OCCURS REDUCING SEED GERMINATION AND GROWTH. HYDROSEEDING MAY BE USED FOR AREAS TOO STEEP FOR CONVENTIONAL EQUIPMENT TO TRAVERSE OR TOO OBSTRUCTED WITH ROCKS, STUMPS, ETC
- D. AFTER SEEDING, FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED.

4. MULCHING

MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS MULCHING REQUIREMENT.

- A. STRAW OR HAY, UNNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED
- APPLICATION. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.
- ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS. 1. PEG AND TWINE. DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRIS-CROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH
- TWO OR MORE ROUND TURNS. 2. MULCH NETTINGS. STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
- 3. CRIMPER (MULCH ANCHORING TOOL), A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR. WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED
- 4. LIQUID MULCH-BINDERS. MAY BE USED TO ANCHOR HAY OR STRAW MULCH. a. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. THE REMAINDER OF THE AREA SHOULD BE UNIFORM IN APPEARANCE.
- b. USE ONE OF THE FOLLOWING: (1) ORGANIC AND VEGETABLE BASED BINDERS - NATURALLY OCCURRING, POWDER BASED, HYDROPHILIC MATERIALS WHEN MIXED WITH WATER FORMULATES A GEL AND WHEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL FORM MEMBRANED NETWORKS OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOTOXIC EFFECT OR IMPEDE GROWTH OF TURFGRASS. USE AT RATES AND WEATHER CONDITIONS AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH MATERIALS. MANY NEW PRODUCTS ARE AVAILABLE, SOME OF WHICH MAY NEED FURTHER EVALUATION FOR USE IN THIS STATE.
- (2) SYNTHETIC BINDERS HIGH POLYMER SYNTHETIC EMULSION, MISCIBLE WITH WATER WHEN DILUTED AND FOLLOWING APPLICATION TO MULCH, DRYING AND CURING SHALL NO LONGER BE SOLUBLE OR DISPERSIBLE IN WATER. IT SHALL BE APPLIED AT RATES RECOMMENDED BY THE MANUFACTURER AND REMAIN TACKY UNTIL GERMINATION OF GRASS
- NOTE: ALL NAMES GIVE ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A COMMENDATION OF THESE PRODUCTS TO THE EXCLUSION OF OTHER PRODUCTS
- B WOOD-FIBER OR PAPER-FIBER MULCH, SHALL BE MADE FROM WOOD, PLANT FIBERS OR PAPER CONTAINING NO GROWTH OR GERMINATION INHIBITING MATERIALS. USED AT THE RATE OF 1.500 PONDS PER ACRE (OR AS RECOMMENDED BY THE PROJECT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. THIS MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.
- C. PELLETIZED MULCH. COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT. WHICH MAY CONTAIN CO-POLYMERS, TACKIFIERS, FERTILIZERS AND COLORING AGENTS, THE DRY PELLETS, WHEN APPLIED TO A SEEDED AREA AND WATERED FORMA MULCH MAT PELLETIZED MULCH SHALL BE APPLIES IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LBS./1,000 SQUARE FEET AND ACTIVATED WITH 0.2 TO 0.4 INCHES OF WATER. THIS MATERIAL HAS BEE FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENOVATION AREAS, SEEDED AREAS WHERE WEED-SEED FREE MULCH IS DESIRED OR ON SITES WHERE STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL OR DESIRABLE.
- APPLYING THE FULL 0.2 TO 0.4 INCHES OF WATER AFTER SPREADING PELLETIZED MULCH ON THE SEED BED IS EXTREMELY IMPORTANT FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE

PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION I. SITE PREPARATION

- A. GRADE 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 STANDARD FOR LAND GRADING.
- ACCORDANCE WITH THE STANDARD FOR LAND GRADING.
- C. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A
- WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING. CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS
- . SEEDBED PREPARATION

A. UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED, ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES (HTTP://NJAES.RUTGERS.EDU/COUNTY/). FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR FOULVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE AND INCORPORATED 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. B. WORK LIME AND FERTILIZER INTO THE TOPSOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING-TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED
- MANAGEMENT OF HIGH ACID-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.

3. SEEDING (ZONE 6B)

WITH A GERMINATION TEST DATE MORE THAN 12 MONTHS OLD UNLESS RETESTED. SEED MIXTURE #13 FOR LAWN AREAS

HARD FESCUE AND/OR CHEWING FESCUE AND/OR STRONG CREEPING RED FESCUE PERENNIAL RYEGRASS KENTUCKY BLUEGRASS (BLEND)

*ACCEPTABLE SEEDING DATES: 3/1-4/30 AND 5/1-8/14** *OPTIMAL SEEDING DATES: 8/15-10/15 **SUMMER SEEDING SHALL ONLY BE CONDUCTED WHEN SITE IS IRRIGATED

STRONG CREEPING RED FESCUE

KENTUCKY BLUEGRASS PERENNIAL RYEGRASS

OR REDTOP PLUS WHITE CLOVER

*ACCEPTABLE SEEDING DATES: 3/1-4/30 AND 5/1-8/14** *OPTIMAL SEEDING DATES: 8/15-10/15 *SUMMER SEEDING SHALL ONLY BE CONDUCTED WHEN SITE IS IRRIGATED

SEEDING RATES SPECIFIED ARE REQUIRED WHEN A REPORT OF COMPLIANCE IS REQUESTED PRIOR TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION. UP TO 50% REDUCTION IN RATES MAY BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO A REPORT OF COMPLIANCE INSPECTION. THESE RATES APPLY TO ALL METHODS OF SEEDING. ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVERAGE WITH THE SPECIFIED SEED MIXTURE FOR THE SEEDED AREA AND MOWED ONCE. 4. WARM-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT HIGH TEMPERATURES, GENERALLY 850 F AND

AS DETERMINED BY GERMINATION TESTING RESULTS

REQUIRED FOR COOL SEASON GRASSES

OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL

CONTOUR SHEET FROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED

4. MULCHING

MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL PROTECT AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER THIS MULCHING REQUIREMENT

A. STRAW OR HAY, UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, TO BE APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1.000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT). THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.

APPLICATION - SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT AT LEAST 85% OF THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.

BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS

STRETCHING TWINE BETWEEN PEGS IN A CRISS-CROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS

- 2. MULCH NETTINGS STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED
- ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED.

4. LIQUID MULCH-BINDERS - MAY BE USED TO ANCHOR SALT HAY, HAY OR STRAW MULCH. a. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH THE MULCH, IN VALLEYS, AND AT

CRESTS OF BANKS. THE REMAINDER OF THE AREA SHOULD BE UNIFORM IN APPEARANCE. b. USE ONE OF THE FOLLOWING:

MANUFACTURER TO ANCHOR MULCH MATERIALS, MANY NEW PRODUCTS ARE AVAILABLE. SOME OF WHICH MAY NEED FURTHER EVALUATION FOR USE IN THIS STATE.

(2) SYNTHETIC BINDERS - HIGH POLYMER SYNTHETIC EMULSION, MISCIBLE WITH WATER WHEN DILUTED AND, FOLLOWING APPLICATION OF MULCH, DRYING AND CURING, SHALL NO LONGER BE SOLUBLE OR DISPERSIBLE IN WATER. BINDER SHALL BE APPLIED AT RATES RECOMMENDED BY THE MANUFACTURER AND REMAIN TACKY UNTIL GERMINATION OF GRASS.

RECOMMENDATION OF THESE PRODUCTS TO THE EXCLUSION OF OTHER PRODUCTS

B. WOOD-FIBER OR PAPER-FIBER MULCH - SHALL BE MADE FROM WOOD. PLANT FIBERS OR PAPER CONTAINING NO STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY JANUARY 2014GROWTH OR GERMINATION INHIBITING MATERIALS, USED AT THE RATE OF 1,500 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PRODUCT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. <u>MULCH SHALL NOT BEMIXEDIN THE TANK WITH SEED</u>. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.

C.PELLETIZED MULCH-COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT, WHICH MAYECTI MANUFACTURER'S RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE

FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE. 5. IRRIGATION (WHERE FEASIBLE

VEGETATION IS WELL ESTABLISHED). THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE IN ABNORMALLY DRY OR HOT WEATHER OR ON DROUGHTY SITES.

6.<u>TOP DRESSING</u>

AMELIORATED.

THE QUALITY OF PERMANENT VEGETATION RESTS WITH THE CONTRACTOR. THE TIMING OF SEEDING, PREPARING THE SEEDBED, APPLYING NUTRIENTS, MULCH AND OTHER MANAGEMENT ARE ESSENTIAL. THE SEED APPLICATION RATES IN TABLE 4-3 ARE REQUIRED WHEN A REPORT (COMPLIANCE IS REQUESTED PRIOR TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION RATES IN TABLE 4-3 ARE REQUIRED WHEN A <u>REPORT OF</u> BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO REQUESTING A <u>REPORT OF COMPLIANCE</u> FROM THE DISTRICT. THESE RATES APPLY TO ALL METHODS OF SEEDING. **ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVER (OF THE SEEDED SPECIES) AND** MOWED ONCE. NOTE THIS DESIGNATION OF MOWED ONCE DOES NOT GUARANTEE THE PERMANENCY OF THE TURF SHOULD OTHER MAINTENANCE FACTORS BE NEGLECTED OR OTHERWISE MISMANAGED.

7. ESTABLISHING PERMANENT VEGETATIVE STABILIZATION

B. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN

UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED

D. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES,

C. HIGH ACID PRODUCING SOIL. SOILS HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5 OR MORE BEFORE INITIATING SEEDBED PREPARATION. SEE STANDARD FOR

A. SEED GERMINATION SHALL HAVE BEEN TESTED WITHIN 12 MONTHS OF THE PLANTING DATE. NO SEED SHALL BE ACCEPTED

4 (175) 1 (45) 1 (45) SEED MIXTURE #7 FOR BASIN, SIDE SLOPES, AND SWALES 3 (130) 1 (50) 0.5 (20) 0.25 (10) 0.10 (5)

ABOVE. SEE TABLE 4-3 MIXTURES 1 TO 7. PLANTING RATES FOR WARM-SEASON GRASSES SHALL BE THE AMOUNT OF PURE LIVE SEED (PLS)

COOL-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT TEMPERATURES BELOW 8 MANY GRASSES BECOME ACTIVE AT 650F. SEE TABLE 4-3, MIXTURES 8-20. ADJUSTMENT OF PLANTING RATE COMPENSATE FOR THE AMOUNT OF PLS IS NOT

B. CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND. CYCLONE (CENTRIFUGAL) SEEDER. DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL WITHIN 24 HOURS OF SEEDBED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING

C. AFTER SEEDING, FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE

D. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK, OR TRAILER-MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. <u>MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED.</u> SHORT-FIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION 4-MULCHING BELOW). HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. WHEN POOR SEED TO SOIL CONTACT OCCURS, THERE IS A REDUCED SEED GERMINATION AND GROWTH.

AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH

ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY

1. PEG AND TWINE. DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY

3. CRIMPER (MULCH ANCHORING COULTER TOOL) - A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW. ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER

(1) ORGANIC AND VEGETABLE BASED BINDERS - NATURALLY OCCURRING, POWDER-BASED, HYDROPHILIC MATERIALS WHEN MIXED WITH WATER FORMULATES A GEL AND WHEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL FORM MEMBRANED NETWORKS OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOTOXIC EFFECT OR IMPEDE GROWTH OF TURF GRASS. USE AT RATES AND WEATHER CONDITIONS AS RECOMMENDED BY THE

NOTE: ALL NAMES GIVEN ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A

CONTAIN CO-POLYMERS, TACKIFIERS, FERTILIZERS, AND COLORING AGENTS. THE DRY PELLETS. WHEN APPLIED TO AW SEEDED AREA AND WATERED, FORM A MULCHMAT. PELLETIZED MULCH SHALL BE APPLIED IN ACCORDANCE WITH THE OF 60-75 LBS/1,000 SQUARE FEET AND ACTIVATED WITH 0.2 TOO.4 INCHES OF WATER. THIS MATERIAL HAS BEEN FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENOVATION AREAS, SEEDED AREAS WHERE WEED-SEED FREE MULCH IS DESIRED, OR ON SITES WHERE STRAW MULCH AND TACKIFIERAGENT ARE NOT PRACTICAL OR DESIRABLE, APPLYING THE FULL 0.2 TO 0.4 INCHES OF WATER AFTER SPREADING PELLETIZED MULCH ON THE SEEDBED IS EXTREMELY IMPORTANT

IF SOIL MOISTURE IS DEFICIENT SUPPLY NEW SEEDING WITH ADEQUATE WATER (A MINIMUM OF 1/4 INCH APPLIED UP TO TWICE A DAY UNTIL

SINCE SOIL ORGANIC MATTER CONTENT AND SLOW RELEASE NITROGEN FERTILIZER (WATER INSOLUBLE) ARE PRESCRIBED INSECTION 2A-SEEDBED PREPARATION IN THIS STANDARD, NO FOLLOW-UP OF TOP DRESSING IS MANDATORY. AN EXCEPTION MAYBE MADE WHERE GROSS NITROGEN DEFICIENCY EXISTS IN THE SOIL TO THE EXTENT THAT TURF FAILURE MAY DEVELOP. IN THAT INSTANCE, TOP DRESS WITH 10-10-10 OR EQUIVALENT AT 300 POUNDS PER ACRE OR 7 POUNDS PER 1,000 SQUARE FEET EVERY 3 TO 5 WEEKS UNTIL THE GROSS NITROGEN DEFICIENCY IN THE TURF IS

STANDARD FOR DUST CONTROL

THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.

TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCED ON-SITE AND OFF-SITE DAMAGE AND HEALTH HAZARDS AND IMPROVE TRAFFIC SAFETY.

CONDITION WHERE PRACTICE APPLIES THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON-SITE AND OFF-SITE DAMAGE IS

LIKELY WITHOUT TREATMENT. CONSULT WITH LOCAL MUNICIPAL ORDINANCES ON ANY RESTRICTION.

EDIMENTS DEPOSITED AS "DUST" ARE OFTEN FINE COLLOIDAL MATERIAL WHICH IS EXTREMELY DIFFICULT TO REMOVE FROM WATER ONCE IT BECOMES SUSPENDED. USE OF THIS STANDARD WILL HELP TO CONTROL THE GENERATION OF DUST FROM CONSTRUCTION SUITES AND SUBSEQUENT BLOWING AND DEPOSITION INTO LOCAL SURFACE WATER RESOURCES.

<u>PLANNING CRITERIA</u> THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:

MULCHES - SEE STANDARD OF STABILIZATION WITH MULCHES ONLY, PG 5-1

VEGETATIVE COVER - SEE STANDARD FOR: TEMPORARY VEGETATIVE COVER, PG. 7-1,

PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION, PG. 4-1, AND PERMANENT STABILIZATION WITH SOD, PG. 6-1

SPRAY ON ADHESIVE - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

DUST CONTROL MATERIALS			
MATERIALS	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ACRE
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIGN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM) - SPRAY ON POLYACRYLAMIDE (PAM) - DRY SPREAD	APPLY ACCORDINGLY 1 USED AS AN ADDITIVE 1 PRECIPITATE SUSPEND	TO MANUFACTURER'S INS TO SEDIMENT BASINS TO DED COLLOIDS. SEE SEDII	TRUCTIONS. MAY ALSO BE FLOCCULATE AND MENT BASIN STANDARD PG. 26-1
ACIDULATED SOY BEAM SOAP STICK	NONE	COARSE SPRAY	1200

TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE, THIS IS A TEMPORARY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEING PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACES ABOUT 12 INCHES APART AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED

SPRINKLING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.

BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

CALCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEE THROUGH OMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE, IS USED ON STEEPER SLOPES THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCLIMATION AROUND PLANTS.

<u>SLOPE</u> - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

STANDARD FOR STABILIZATION WITH MULCH ONLY

STABILIZING EXPOSED SOILS WITH NON-VEGETATIVE MATERIALS EXPOSED FOR PERIODS LONGER THAN 14 DAYS.

TO PROTECT EXPOSED SOIL SURFACES FROM EROSION DAMAGE AND TO REDUCE OFFSITE ENVIRONMENTAL DAMAGE.

CONDITION WHERE PRACTICE APPLIES THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON-SITE AND OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT. CONSULT WITH LOCAL MUNICIPAL ORDINANCES ON ANY RESTRICTION.

WATER QUALITY ENHANCEMENT PROVIDES TEMPORARY MECHANICAL PROTECTION AGAINST WIND OR RAINFALL INDUCED SOIL EROSION UNTIL PERMANENT VEGETATIVE COVER MAY BE ESTABLISHED.

HIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO EROSION, WHERE THE SEASON AND OTHER CONDITIONS MAY NOT BE SUITABLE FOR GROWING AN EROSION-RESISTANT COVER OR WHERE STABILIZATION IS NEEDED FOR A SHORT PERIOD UNTIL MORE SUITABLE PROTECTION CAN BE APPLIED.

METHODS AND MATERIALS

1. SITE PREPARATION

PROTECTIVE MATERIALS

- A. GRADE 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
- B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES. SEDIMENT BASINS, AND WATERWAYS, SEE STANDARDS 11 THROUGH 42
- A. UNROTTED SMALL-GRAIN STRAW, AT 2.0 TO 2.5 TONS PER ACRE, IS SPREAD UNIFORMLY AT 90 TO 115 POUNDS PER 1.000 SQUARE FEET AND ANCHORED WITH A MULCH ANCHORING TOOL, LIQUID MULCH BINDERS, OR NETTING TIE DOWN, OTHER SUITABLE MATERIALS MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT. THE APPROVED RATES ABOVE HAVE BEEN MET WHEN THE MULCH COVERS THE GROUND COMPLETELY UPON VISUAL INSPECTION, I.E. THE SOIL CANNOT BE SEEN BELOW THE MULCH.
- C. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED BY THE MANUFACTURE
- . WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE (OR ACCORDING TO THE MANUFACTURER'S REQUIREMENTS) MAY BE APPLIED BY A HYDROSEEDER
- E MULCH NETTING SUCH AS PAPER JUTE EXCELSIOR COTTON OR PLASTIC MAY BE USED
- WOODCHIPS APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 2 INCHES MAY BE USED. WOODCHIPS WILL NOT BE USED ON AREAS WHERE FLOWING WATER COULD WASH THEM INTO AN INLET AND PLUG I
- G. GRAVEL, CRUSHED STONE, OR SLAG AT THE RATE OF 9 CUBIC YARDS PER 1,000 SQ. FT. APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 3 INCHES MAY BE USED. SIZE 2 OR 3 (ASTM C-33) IS RECOMMENDED
- MULCH ANCHORING SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT OF HAY OR STRAW MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA AND STEEPNESS OF SLOPES.
- A. PEG AND TWINE DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISS-CROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
- B. MULCH NETTINGS STAPLE PAPER, COTTON, OR PLASTIC NETTINGS OVER MULCH. USE DEGRADABLE NETTING IN AREAS TO BE MOWED. NETTING IS USUALLY AVAILABLE IN ROLLS 4 FEET WIDE AND UP TO 300 FEET LONG.

CRIMPER MULCH ANCHORING COULTER TOOL - A TRACTOR-DRAWN IMPLEMENT ESPECIALLY DESIGNED TO PUNCH AND ANCHOR MULCH NTO THE SOIL SURFACE. THIS PRACTICE AFFORDS MAXIMUM EROSION CONTROL, BUT ITS USE IS LIMITED TO THOSE SLOPES UPON WHICH THE TRACTOR CAN OPERATE SAFELY. SOIL PENETRATION SHOULD BE ABOUT 3 TO 4 INCHES. ON SLOPING LAND, THE OPERATION SHOULD BE ON THE CONTOUR.

D. LIQUID MULCH-BINDERS

- 1. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE.
- 2. USE ONE OF THE FOLLOWING:
- ORGANIC AND VEGETABLE BASED BINDERS NATURALLY OCCURRING, POWDER BASED, HYDROPHILIC MATERIALS THAT MIXED WITH WATER FORMULATES A GEL AND WHEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL FORM MEMBRANE NETWORKS OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTO-TOXIC EFFECT OR IMPEDE GROWTH OF TURFGRASS. VEGETABLE BASED GELS SHALL BE APPLIED AT RATES AND WEATHER CONDITIONS RECOMMENDED BY THE MANUFACTURER.

SYNTHETIC BINDERS - HIGH POLYMER SYNTHETIC EMULSION, MISCIBLE WITH WATER WHEN DILUTED AND FOLLOWING APPLICATION TO MULCH, DRYING AND CURING SHALL NO LONGER BE SOLUBLE OR DISPERSIBLE IN WATER. IT SHALL BE APPLIED AT RATES AND WEATHER CONDITIONS RECOMMENDED BY THE MANUFACTURER AND REMAIN TACKY UNTIL GERMINATION OF

CONSTRUCTION SEQUENCE

EXACT TIMING FOR DEVELOPMENT OF THIS PROJECT IS NOT KNOWN AT THIS TIME. HOWEVER, IT IS ANTICIPATED THAT CONSTRUCTION WILL COMMENCE IN THE FALL OF 2023 AND WILL PROCEED IMMEDIATELY AND CONTINUOUSLY ONCE THE REQUIRED APPROVALS ARE SECURED. ITEMS

PHASE		DURATION
1.	INSTALL TEMPORARY SOIL EROSION FACILITIES (CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, INSTALL SILT FENCE, INSTALL TREE PROTECTION FENCING)	IMMEDIATELY
2.	SITE DEMOLITION	1 WEEK
3.	ROUGH CLEARING AND GRADING (BASINS SHALL BE EXCAVATED NO FURTHER THAN 1 FOOT ABOVE FINAL GRADE)	2 WEEKS
4.	TEMPORARY SEEDING	IMMEDIATELY
5.	CURB AND SIDEWALK CONSTRUCTION	1 WEEK
6.	PAVEMENT SUB-BASE	1 WEEK
7.	CONSTRUCTION OF BUILDING(S)	9 MONTHS
8.	MAINTENANCE OF TEMPORARY EROSION CONTROL MEASURES	CONTINUOUSLY
9.	PRELIMINARY INSTALLATION OF LANDSCAPING	1 WEEK
10.	FINAL PAVEMENT COURSE	1 WEEK
11.	FINAL CONSTRUCTION/STABILIZATION OF SITE	1 WEEK

*TEMPORARY SEEDING SHALL ALSO BE PERFORMED WHEN NECESSARY IN ACCORDANCE WITH NOTE NO. 1 OF THE SOIL EROSION AND SEDIMENT CONTROL NOTES.

CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. THE PROPERTY OWNERS SHALL ASSUME THIS RESPONSIBILITY AFTER CONSTRUCTION IS COMPLETED AND CERTIFICATES OF OCCUPANCY ARE ISSUED.

THE SOIL EROSION INSPECTOR MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED, AS DIRECTED BY THE DISTRICT INSPECTOR. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE ROADWAYS CLEAN AT ALL TIMES. ANY SEDIMENT SPILLED OR TRACKED ON THE ROADWAY WILL BE CLEANED UP IMMEDIATELY, OR AT MINIMUM, BY THE END OF EACH WORK DAY.

DUST GENERATION SHALL BE CONTROLLED ON A CONSTANT BASIS BY WETTING THE SURFACE AND/OR APPLICATION OF CALCIUM CHLORIDE. STEEP SLOPES SHALL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR SUITABLE EQUAL. (SEE ANCHORING NOTES &

NOTE NO. 6 OF SOIL EROSION & SEDIMENT CONTROL NOTES.) ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON INDIVIDUAL SITES SHALL APPLY TO ANY SUBSEQUENT OWNERS.

STANDARD FOR TOPSOILING

- 1. MATERIALS
- A. TOPSOIL SHOULD BE FRIABLE1, LOAMY2, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE OR ADVERSE CHEMICAL OR PHYSICAL CONDITION THAT MAY BE HARMFUL TO PLANT GROWTH. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE (CONDUCTIVITY LESS THAN 0.5 MILLIMHOS PER CENTIMETER. MORE THAN 0.5 MILLIMHOS MAY DESICCATE SEEDLINGS AND ADVERSELY IMPACT GROWTH). IMPORTED TOPSOIL SHALL HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT. ORGANIC
- MATTER CONTENT MAY BE RAISED BY ADDITIVES TOPSOIL SUBSTITUTE IS A SOIL MATERIAL WHICH MAY HAVE BEEN AMENDED WITH SAND, SILT, CLAY, ORGANIC MATTER, FERTILIZER OR LIME AND HAS THE APPEARANCE OF TOPSOIL. TOPSOIL SUBSTITUTES MAY BE UTILIZED ON SITES WITH INSUFFICIENT TOPSOIL FOR ESTABLISHING PERMANENT VEGETATION. ALL TOPSOIL SUBSTITUTE MATERIALS SHALL MEET THE REQUIREMENTS OF TOPSOIL NOTED ABOVE. SOIL TESTS SHALL BE PERFORMED TO DETERMINE THE COMPONENTS OF SAND, SILT, CLAY, ORGANIC MATTER, SOLUBLE SALTS AND PH LEVEL.

- STRIPPING AND STOCKPILING A. FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING. STRIPPING SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL PH TO APPROXIMATELY 6.5
- A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL. STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH STANDARDS PREVIOUSLY DESCRIBED HEREIN; SEE STANDARDS FOR
- PERMANENT (PG. 4-1) OR TEMPORARY (PG.7-1) VEGETATIVE COVER FOR SOIL STABILIZATION. WEEDS SHOULD NOT BE ALLOWED TO GROW ON STOCKPILES.
- SITE PREPARATION A. GRADE AT THE ONSET OF THE OPTIMAL SEEDING PERIOD SO AS TO MINIMIZE THE DURATION AND AREA OF EXPOSURE OF DISTURBED MIXTURE SOIL TO EROSION. IMMEDIATELY PROCEED TO ESTABLISH VEGETATIVE COVER IN ACCORDANCE WITH THE SPECIFIED SEED MIXTURE TIME IS OF THE ESSENCE
- GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE. SEE THE STANDARD FOR LAND GRADING, PG. 19-1. AS GUIDANCE FOR IDEAL CONDITIONS, SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENT. LIMESTONE, IF NEEDED, SHOULD BE APPLIED TO BRING SOIL TO A PH OF APPROXIMATELY 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF
- 4 INCHES PRIOR TO TOPSOILING, THE SUBSOIL SHALL BE IN COMPLIANCE WITH THE STANDARD FOR LAND GRADING, PG. 19-1. EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS, SEE STANDARDS 11 THROUGH 42.

- APPLYING TOPSOIL A. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE; I.E., LESS THAN FIELD CAPACITY (SEE GLOSSARY) B A UNIFORM APPLICATION TO AN AVERAGE DEPTH OF 5.0 INCHES MINIMUM OF 4 INCHES FIRMED IN PLACE IS REQUIRED. ALTERNATIVE DEPTHS MAY BE CONSIDERED WHERE SPECIAL REGULATORY AND/OR INDUSTRY DESIGN STANDARDS ARE APPROPRIATE SUCH AS ON GOLF COURSES, SPORTS FIELDS, LANDFILL CAPPING, ETC.. SOILS WITH A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE, IN ACCORDANCE WITH THE STANDARD FOR
- MANAGEMENT OF HIGH ACID PRODUCING SOIL (PG. 1-1). PURSUANT TO THE REQUIREMENTS IN SECTION 7 OF THE STANDARD FOR PERMANENT VEGETATIVE STABILIZATION. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT PERMANENT VEGETATIVE COVER BECOMES ESTABLISHED ON AT LEAST 80% OF THE SOILS TO BE STABILIZED WITH VEGETATION. FAILURE TO ACHIEVE THE MINIMUM COVERAGE MAY REQUIRE ADDITIONAL WORK TO BE PERFORMED BY THE CONTRACTOR TO INCLUDE SOME OR ALL OF THE FOLLOWING: SUPPLEMENTAL SEEDING. RE-APPLICATION OF LIME AND FERTILIZERS, AND/OR THE ADDITION OF ORGANIC MATTER (I.E. COMPOST) AS A TOP DRESSING. SUCH ADDITIONAL MEASURES SHALL BE BASED ON SOIL TESTS SUCH AS THOSE OFFERED BY RUTGERS COOPERATIVE EXTENSION SERVICE OR OTHER APPROVED LABORATORY FACILITIES QUALIFIED TO TEST SOIL SAMPLES FOR AGRONOMIC PROPERTIES.

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