PRELIMINARY AND FINAL SITE PLANS PLAINFIELD PORTFOLIO, LLC

BLOCK 110, LOTS 19 & 20 CITY OF PLAINFIELD UNION COUNTY, NEW JERSEY

DRAWING INDEX COVER SHEET EXISTING CONDITIONS & REMOVALS PLAN SITE LAYOUT PLAN GRADING, DRAINAGE & UTILITY PLAN LANDSCAPING PLAN SOIL EROSION & SEDIMENT CONTROL PLAN CONSTRUCTION DETAILS

110		<u>OWNER</u>	BLOCK	LOT	<u>OWNER</u>
	1	ESTATE OF WINCER ROGER 216 BREEZEWOOD LN CLAYTON, NJ 27520	110	16	OGBUEWU, LEONARD 213 SPOONER AVE PLAINFIELD, NJ 07060
110	2	TRIKHA, MANMOHAN & SEEMA PO BOX 194 SCOTCH PLAINS, NJ 07076	110	17	MENDEZ, RAUL 211 SPOONER AVE PLAINFIELD, NJ 07060
110	3	ST INVESTMENTS LLC 360 VALLEY RD WATCHUNG, NJ 07069	110	18	PINEDA-HERNANDEZ, ELVIS E 209 SPOONER AVE PLAINFIELD, NJ 07060
10	4	PAGUAY, NILSSON P 216 MUHLENBERG PL PLAINFIELD, NJ 07060	111	1	CITY OF PLAINFIELD 515 WATCHUNG AVE PLAINFIELD, NJ 07061
110	5	MUHLENBERG DEVELOPMENT LLC 5 LAWRENCE ST #725 BLOOMFIELD, NJ 07003	112	9.02	SOUTH SECOND STREET REDEVELOPMENT URBAN RENEW 171 STATE ROUTE 173 S201 ASBURY PARK, NJ 08802
110	8	WHITE, GEORGE 676 W THIRD ST PLAINFIELD, NJ 07060	113	7	JACKSON PLAINFIELD PROPERTIES LLC 86 GEORGE AVE EDISON, NJ 08820
110	9	PIMENTEL, VICENTA 813 RICHMOND ST APT 1F PLAINFIELD, NJ 07060	113	8	CITY OF PLAINFIELD 515 WATCHUNG AVE PLAINFIELD, NJ 07061
110	10	DUARTE, IRMA D 1116 W 6 ST PLAINFIELD, NJ 07060	113	9	CITY OF PLAINFIELD 515 WATCHUNG AVE PLAINFIELD, NJ 07061
110	11	BOOKER, CHARLES B. 985 WOODLAND AVE PLAINFIELD, NJ 07060	113	10	ANDREW, MARION 206 SPOONER AVE PLAINFIELD, NJ 07060
110	12	TRIKHA, MANMOHAN & SEEMA 360 VALLEY RD WATCHUNG, NJ 07069	113	11	ALEXANDER, EARL A & DENSON, SYLVIA 208 SPOONER AVE PLAINFIELD, NJ 07060
110	13	DOMINGUEZ-SORIANO, R M & DISLA-RAMO 219 SPOONER AVE PLAINFIELD, NJ 07060	113	12	ORTIZ, RUBEN D PENALO 210 SPOONER AVE PLAINFIELD, NJ 07060
110	14	ROMERO, MARVIN 217 SPOONER AVE PLAINFIELD, NJ 07060	113	13	SURRO, JOSE 212 SPOONER AVE PLAINFIELD, NJ 07060
110	15	RANDOLPH, ELIZABETH 215 SPOONER AVE PLAINFIELD, NJ 07060	113	14.01	NJ CONF. SEVENTH DAY ADVENTIS 2303 BRUNSWICK AVE LAWRENCEVILLE, NJ 08648



R-4 (MODERATE DENSITY RESIDENTIAL) - ZONING SHOWN FOR TWO FAMILY

LOT 20

51.8 FT.*

158.5 FT.

(VACANT)

(VACANT)

(VACANT)

(VACANT)

(VACANT)

N/A

(VACANT)

98.0%

(VACANT)

(VACANT)

501.5 S.F.*

14.9 FT.*

COMBINED LOTS

8,002 S.F.

21.8

16.4 FT.

10 FT.

38.1%

2,069 S.F.

VARIANCE REQUESTED VARIANCE REQUESTED

VARIANCE REQUESTED

VARIANCE REQUESTED

VARIANCE REQUESTED

VARIANCE REQUESTED

VARIANCE REQUESTED

VARIANCE REQUESTED

LOT 19

34.7 FT.*

(VACANT)

(VACANT)

(VACANT)

(VACANT)

(VACANT)

(VACANT)

37.3%

(VACANT)

(VACANT)

667.4 S.F.*

14.9 FT.*

ZONING TABULATION

ALLOWED

10,000 S.F.

25 FT.

30 FT.

2,400 S.F.

ZONING DISTRICT:

MINIMUM LOT AREA

MINIMUM LOT WIDTH MINIMUM LOT FRONTAGE

MINIMUM LOT DEPTH

MAXIMUM DENSITY (D.U./ACRE

MINIMUM FRONT YARD SETBACK

MINIMUM SIDE YARD SETBACK

MINIMUM REAR YARD SETBACK

MAXIMUM % BUILDING COVERAGE

MAXIMUM % TOTAL LOT COVER

MAXIMUM NUMBER OF STORIES

MINIMUM IMPROVABLE LOT AREA

* PRE-EXISTING NONCONFORMITY

VARIANCES REQUESTED

M.I.A - DIAMETER OF CIRCLE

17:9-8.D

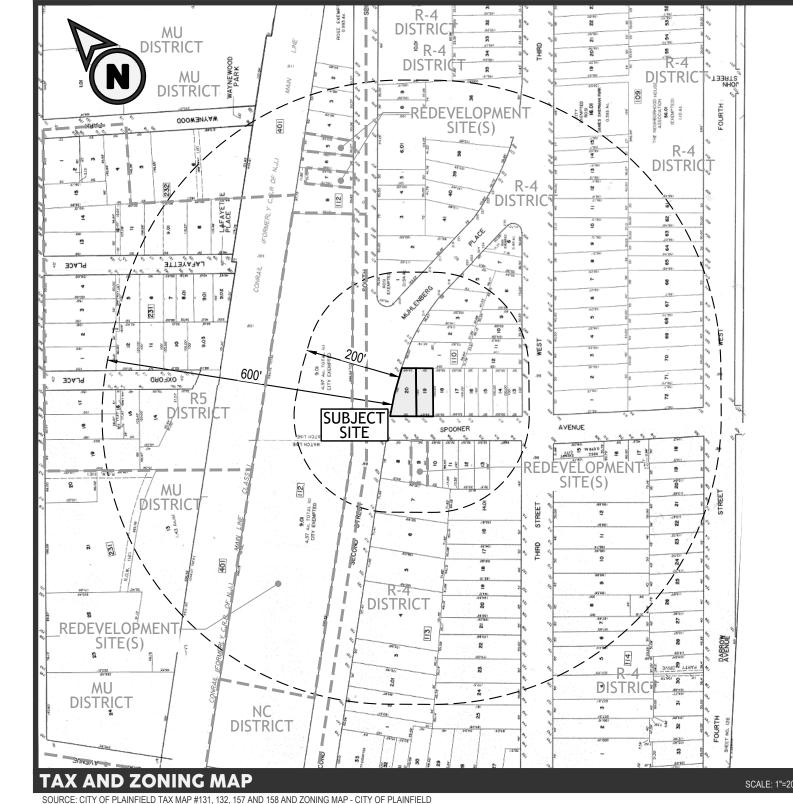
MAXIMUM BUILDING HEIGHT

MAXIMUM FLOOR AREA RATIO

MINIMUM SIDE YARD SETBACK COMBINED

SECOND STREET

SPOONER AVENUE



EXISTING LOT 19 COVERAGE		EXISTING LOT 20 COVERAGE		PROPOSED COMBINED LOT COVERAGE	
COMPACTED GRAVEL 1,300 S.F. TOTAL 1,300 S.F. (1,300 S.F./3,484 S.F.= 0.373) 37.3%		COMPACTED GRAVEL CONCRETE TOTAL (4,428 S.F./4,518 S.F.= 0.986	4,012 S.F. 416 S.F. 4,428 S.F. 0) 98.0%	BUILDING/OVERHANGS WALKS/PADS DRIVEWAY TOTAL (4,444 S.F./8,002 S.F.= 0.555	3,285 S.F. 331 S.F. 828 S.F. 4,444 S.F.
				(4,444 0.1 .70,002 0.1 . 0.000	7) 00.070
		OWN EXISTING LOT 20 FLOOR A	AREA	PROPOSED COMBINED LO	,
FLOOR AREA EXISTING LOT 19 FLOOR AN (VACANT LOT)			AREA		,

PROPOSED (4) FOUR 2-BEDROOM SINGLE FAMILY DWELLING @ 1.5 SPACES EACH

TOTAL SPACES PROVIDED = 8 SPACES (4 GARAGE SPACES) ON-SITE

REQUIRED NUMBER OF SPACES = 6 SPACES

PERMITTED PRINCIPAL USES INCLUDE SINGLE-FAMILY AND TWO-FAMILY DEVELOPMENTS; WHEREAS A 4 SINGLE FAMILY DWELLING IS PROPOSED. 17:9-8.B A MINIMUM LOT AREA OF 7,500 S.F. FOR A SINGLE FAMILY DEVELOPMENT AND 10,000 S.F. FOR A TWO-FAMILY DEVELOPMENT IS REQUIRED; WHEREAS A 17:9-8.D LOT AREA OF 8,0002 S.F. IS PROPOSED. LOTS 19 & 20 ARE BEING COMBINED AND ARE BOTH PRE-EXISTING NONCONFORMING. A DENSITY NOT TO EXCEED 7.2 DWELLING UNITS PER ACRE FOR SINGLE FAMILY DWELLING UNITS AND 8.7 DWELLING UNITS PER ACRES FOR TWO 17:9-8.D FAMILY DWELLING UNITS IS PERMITTED; WHEREAS A DENSITY OF 21.8 DWELLING UNITS PER ACRES IS PROPOSED. A MINIMUM FRONT YARD SETBACK OF 25 FEET IS REQUIRED; WHEREAS A FRONT YARD SETBACK OF 11.9 FT. IS PROPOSED ALONG SOUTH SECOND STREET AND A FRONT YARD SETBACK OF 16.4 FT. IS PROPOSED ALONG SPOONER AVE. 17:9-8.D A MINIMUM REAR YARD SETBACK OF 30 FEET IS REQUIRED; WHEREAS A REAR YARD SETBACK OF 10 FT. IS PROPOSED. A MAXIMUM BUILDING COVERAGE OF 25% IS PERMITTED; WHEREAS A BUILDING COVERAGE OF 38.1% IS PROPOSED.

A MAXIMUM PERCENT OF LOT COVER OF 40% IS PERMITTED; WHEREAS A LOT COVER PERCENTAGE OF 55.5% IS PROPOSED.

17:9-8.D A MAXIMUM NUMBER OF STORIES OF 2.5 IS PERMITTED; WHEREAS A MAXIMUM NUMBER OF STORIES OF 3 IS PROPOSED. A MINIMUM IMPROVABLE LOT AREA OF 2.000 S.F. FOR A SINGLE FAMILY DEVELOPMENT AND 2.500 S.F. FOR A TWO-FAMILY DEVELOPMENT IS REQUIRED: 17:9-8.D WHEREAS AN IMPROVABLE LOT AREA OF 2,069 S.F. IS PROPOSED. LOTS 19 & 20 ARE BEING COMBINED AND ARE BOTH PRE-EXISTING NONCONFORMING.

EXISTING LOT 19 COVERAG	<u>SE</u>	EXISTING LOT 20 COVERAGE		PROPOSED COMBINED LOT COVERAGE	
COMPACTED GRAVEL 1,300 S.F. TOTAL 1,300 S.F. (1,300 S.F./3,484 S.F.= 0.373) 37.3%		COMPACTED GRAVEL CONCRETE TOTAL (4,428 S.F./4,518 S.F.= 0.980)	4,012 S.F. 416 S.F. 4,428 S.F. 98.0%	BUILDING/OVERHANGS WALKS/PADS DRIVEWAY TOTAL	3,285 S.F. 331 S.F. 828 S.F. 4,444 S.F.
				(4,444 S.F./8,002 S.F.= 0.555	5) 55.5%
FLOOR AREA EXISTING LOT 19 FLOOR AF		OWN EXISTING LOT 20 FLOOR AR	REA	(4,444 S.F./8,002 S.F.= 0.555	,
			REA		,

GE	NERAL NOTE	S	
1.	LOCATION:	BLOCK 110, LOTS 19 & 20 201 - 207 SPOONER AVENUE CITY OF PLAINFIELD, UNION COUNTY, NJ TAX MAP SHEET # 113	
2.	OWNER:	PLAINFIELD PORTFOLIO, LLC 429 CHESTNUT STREET ROSELLE PARK, NJ 07240	
3.	APPLICANT:	PLAINFIELD PORTFOLIO, LLC 429 CHESTNUT STREET ROSELLE PARK, NJ 07240	

LOT AREA: LOT 20 - 4,518 S.F. COMBINED LOTS 19 & 20 - 8,002 S.F. (0.183 ACRES) R4 - MODERATE DENSITY DISTRIC

4 - SINGLE FAMILY DWELLING

INFORMATION SHOWN TRANSFERRED FROM A SURVEY ENTITLED "OUTBOUND & TOPOGRAPHIC SURVEY PREPARED FOR SPOONER AVENUE, LOTS 19 & 20, BLOCK 110; SITUATED IN THE CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY", DATED

COUNTY, NEW JERSEY, PANEL 161 OF 301, MAP NUMBER 34035C0161E, EFFECTIVE DATE SEPTEMBER 2007. SUBJECT SITE IS

UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE. THEIR ACCURACY OR COMPLETENESS ARE NOT GUARANTEED BY THE ENGINEER. MARK OUTS FROM UTILITY COMPANIES AND FIELD CONFIRMATION BY CONTRACTOR MUST BE MADE PRIOR

CITY OF PLAINFIELD

BOARD CHAIRMAN

BOARD SECRETARY

CITY ENGINEER

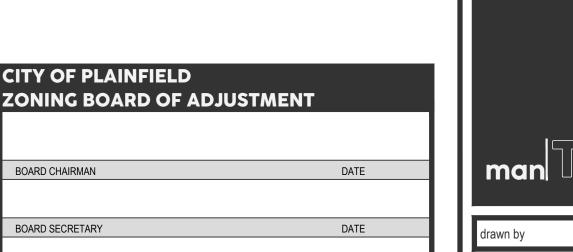
REFUSE/RECYCLING TO BE STORED IN ROLLING CARTS. AS PROVIDED BY PLAINFIELD MUNICIPAL UTILITY AUTHORITY (PMUA). AND STORED ON A CONCRETE PAD AS SHOWN ON THIS SITE PLAN. COLLECTION SHALL BE BY WAY OF NORMAL MUNICIPAL

PLAINFIELD

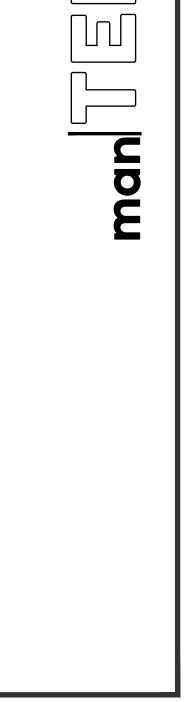
201 - 207 SPOONER AVENUE CITY OF PLAINFIELD, UNION COUNTY, NJ TAX MAP SHEET # 131

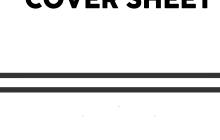
COVER SHEET

NEW JERSEY PROFESSIONAL ENGINEER 47552



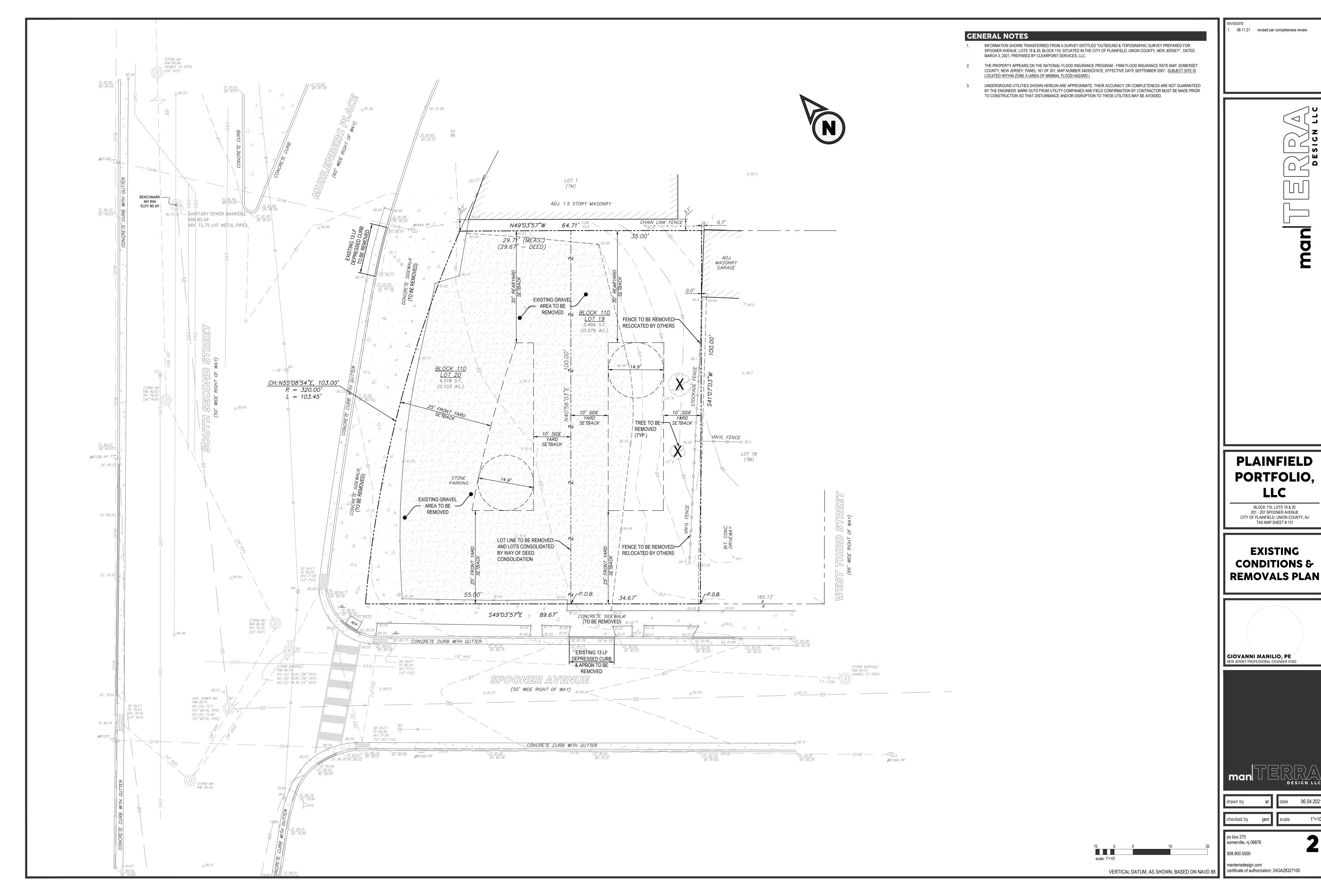
DATE

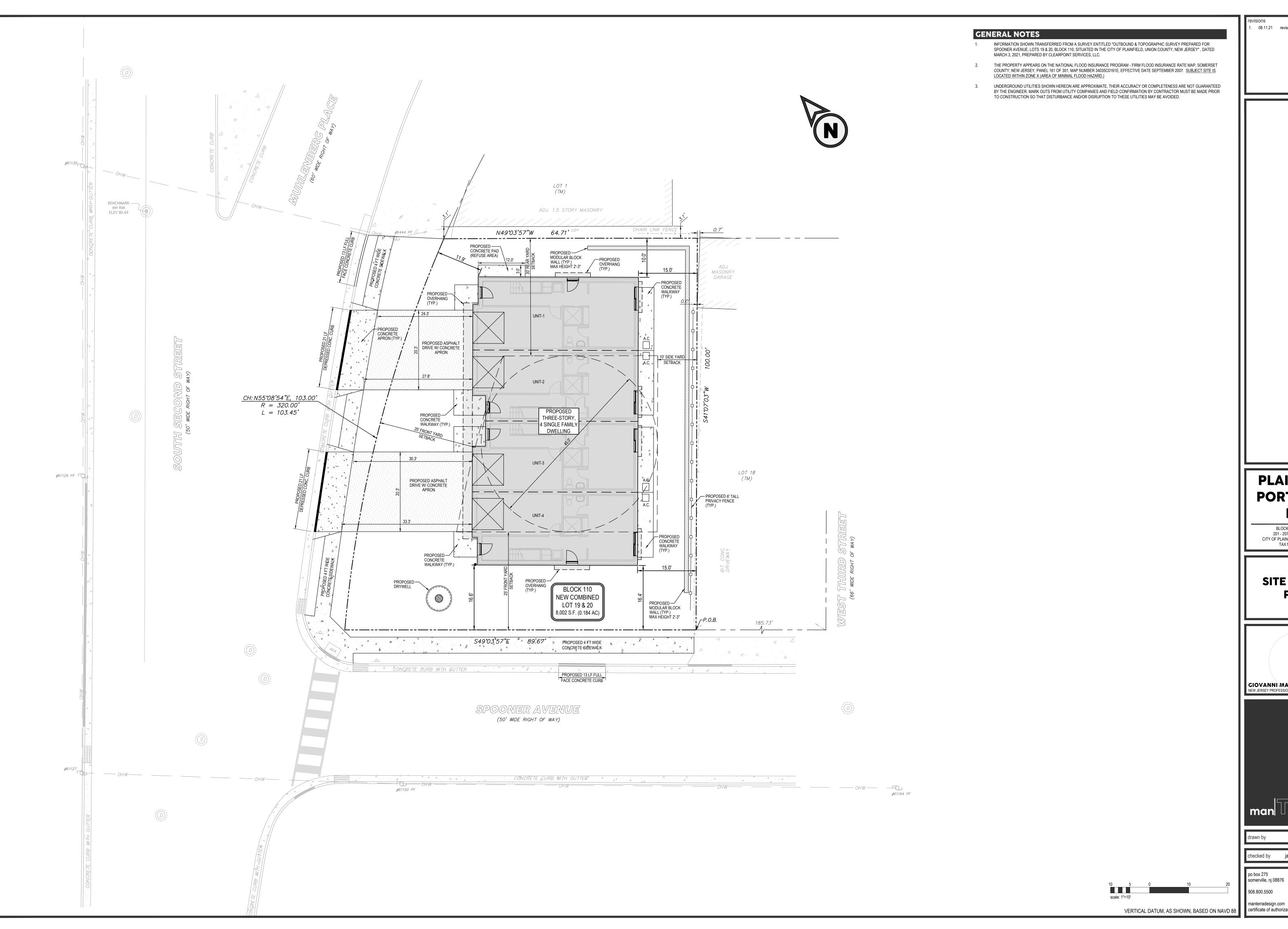






po box 275 somerville, nj 08876 908.800.5500 manterradesign.com certificate of authorization: 24GA28327100





08.11.21 revised per completeness review

PLAINFIELD PORTFOLIO,

BLOCK 110, LOTS 19 & 20 201 - 207 SPOONER AVENUE CITY OF PLAINFIELD, UNION COUNTY, NJ TAX MAP SHEET # 131

SITE LAYOUT **PLAN**

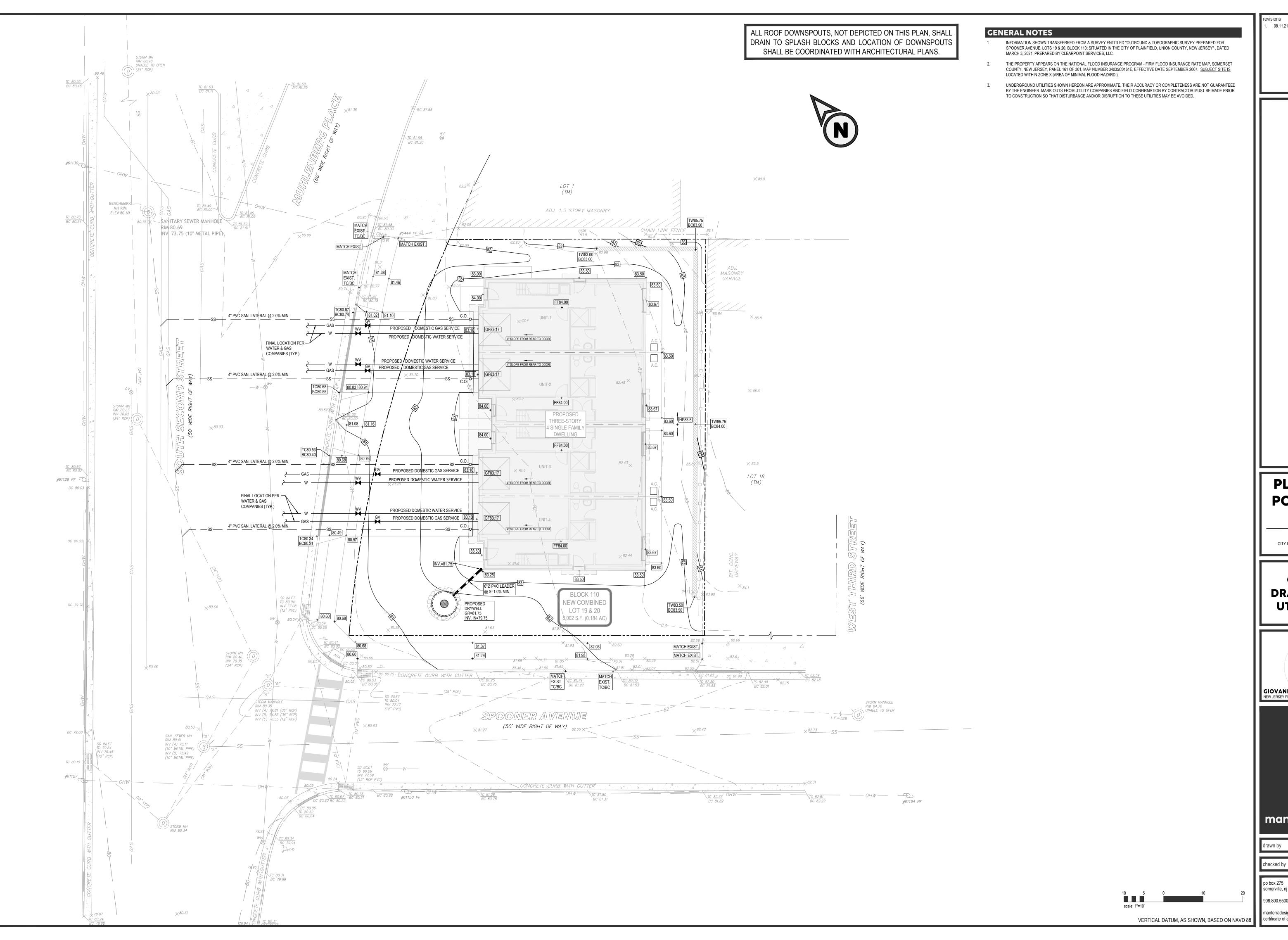


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08.11.21 revised per completeness review

PLAINFIELD PORTFOLIO, LLC

BLOCK 110, LOTS 19 & 20 201 - 207 SPOONER AVENUE CITY OF PLAINFIELD, UNION COUNTY, NJ TAX MAP SHEET # 131

GRADING, **DRAINAGE AND UTILITY PLAN**

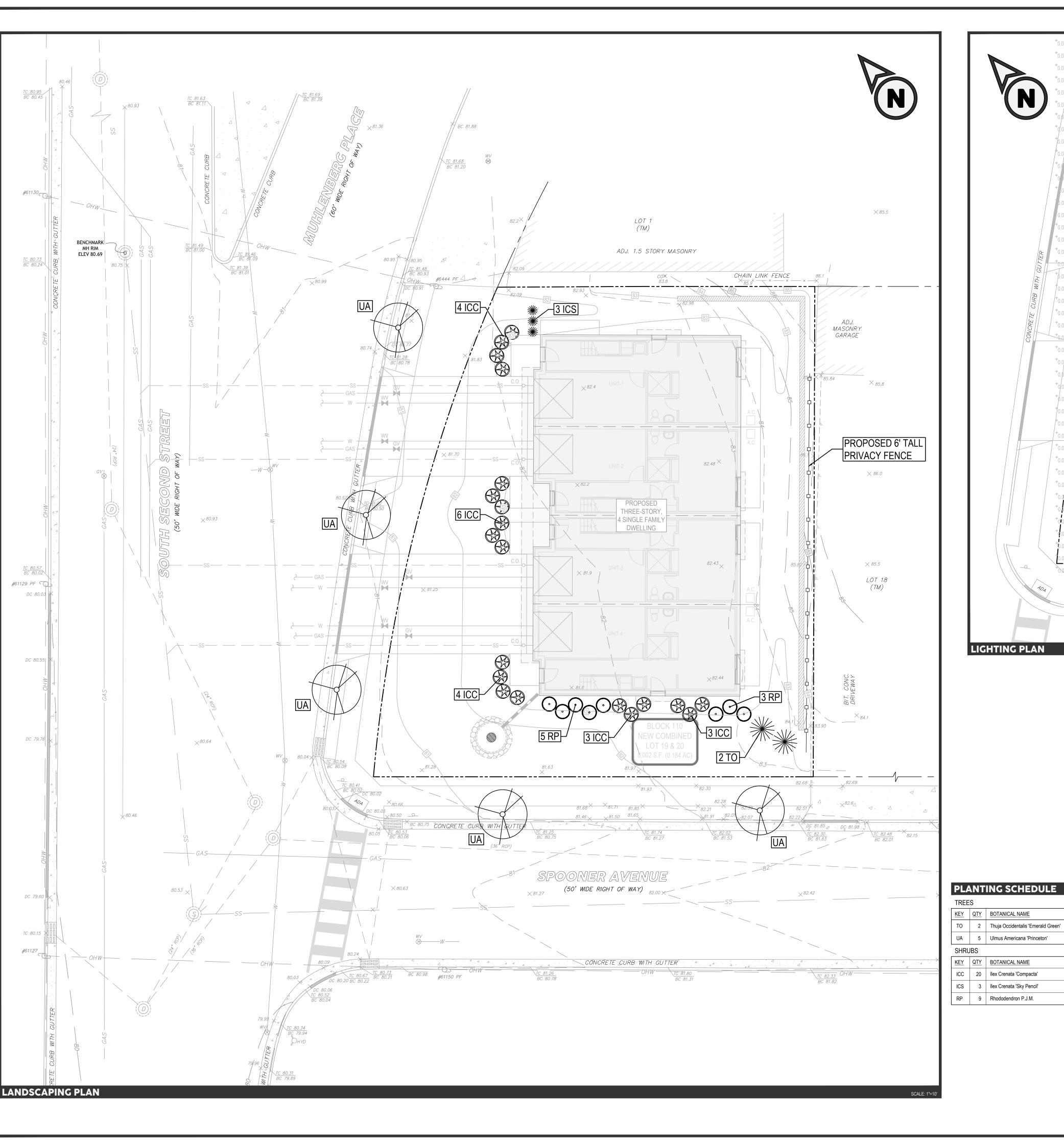


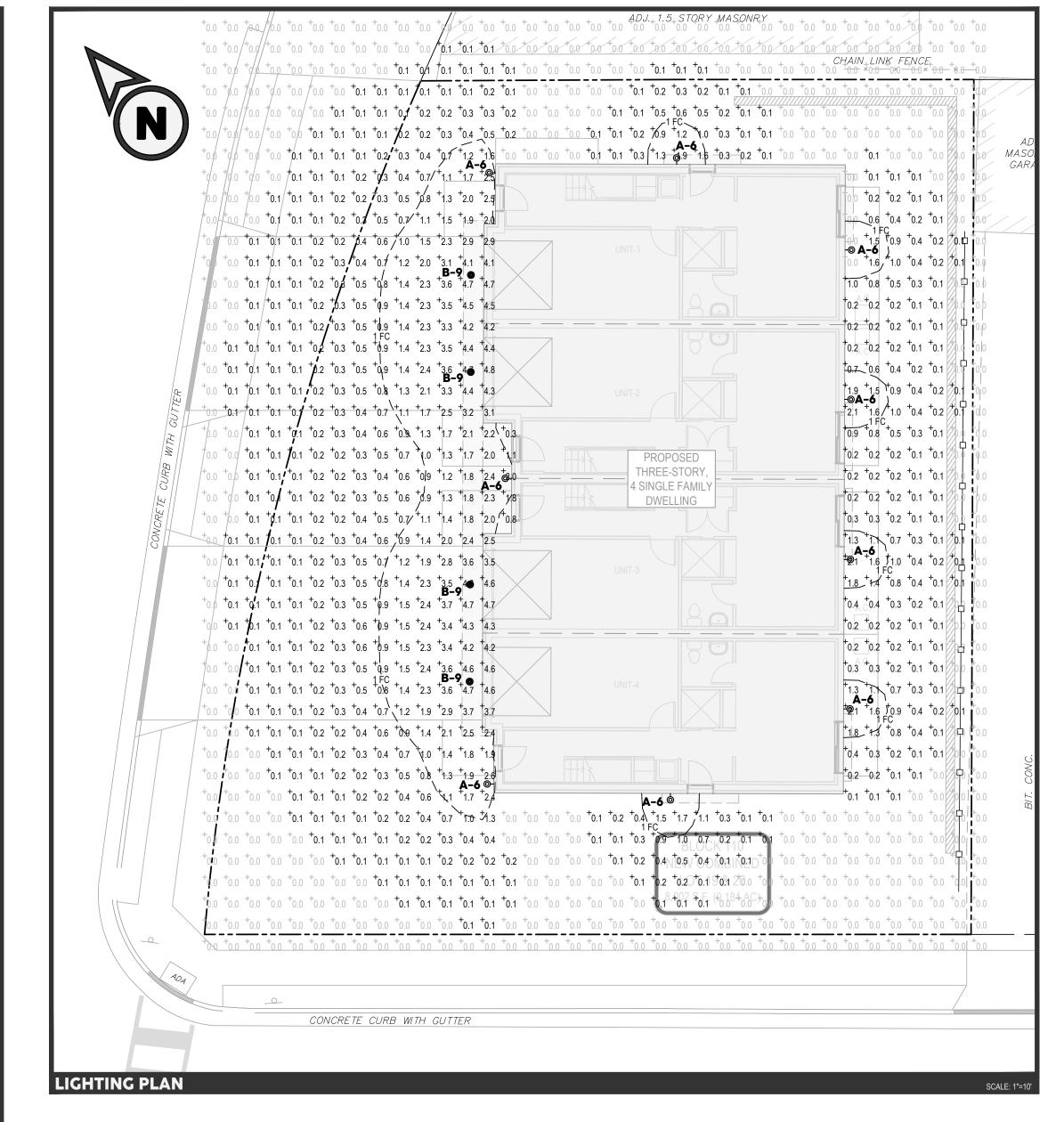
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LIGHTING LEGEND

A-6→ MOUNTING HEIGHT - LIGHT FIXTURE DESIGNATION

LIGHTING NOTES:

1. ALL LIGHTING SHALL BE PER BELOW SCHEDULE OR APPROVED EQUAL. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE BOARD ENGINEER AND DESIGN ENGINEER/ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO ORDERING. 2. SHOP DRAWINGS SHALL BE SUBMITTED PRIOR TO ORDERING.

LIGHTING SCHEDULE

[TYP	DESCRIPTION	ARRANGEMENT	LUM WATTS	LLF	HEIGHT	QT
	Α	KUZCO EW22109-BK	WALL MOUNTED	6	0.95	6'	9
	В	SEA GULL 14601S-15	RECESSED CANOPY	12	0.95	9'	4

GENERAL NOTES

COMMON NAME

PRINCETON ELM

COMMON NAME

EMERALD GREEN ARBORVITAE

COMPACT JAPANESE HOLLY

SKY PENCIL JAPANESE HOLLY

P.J.M. RHODODENDRON

SIZE

5' - 6' TALL

SIZE

2 1/2" CAL.

30" TO 36"

48" TO 60"

30" TO 36"

ROOT

B&B

B&B

ROOT

B&B

B&B

B&B

- 1. NO SUBSTITUTIONS TO PLANT LIST SHALL BE MADE UNLESS AUTHORIZED BY THE DESIGN ENGINEER AND APPROVED BY THE CITY
- AND REGULATORY AGENCIES. ALL PLANTING BEDS SHALL BE MULCHED WITH 3" MINIMUM .
- ALL DISTURBED AND PERMANENT TURF AREAS SHALL BE SEEDED WITH A GENERAL PURPOSE MIXTURE SIMILAR TO THE FOLLOWING. SCS SEED MIX #14 (TALL TURF FESCUE, KENTUCKY BLUEGRASS, PERENNIAL RYEGRASS) OR APPROVED EQUAL. SEE SOIL EROSION AND SEDIMENT CONTROL SHEETS FOR SEEDING SPECIFICATIONS
- TOPSOIL PROTECTION: NO TOPSOIL SHALL BE REMOVED FROM THE SITE OR USED AS SPOIL. ALL TOPSOIL MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE REDISTRIBUTED ON ALL RE-GRADED SURFACES SO AS TO PROVIDE AN EVEN COVER AND SHALL BE STABILIZED BY SEEDING OR PLANTING. ALL RE-GRADED TURF AREAS SHALL BE COVERED BY A SIX (6") INCH MINIMUM THICKNESS OF TOPSOIL. IF SUFFICIENT TOPSOIL IS NOT AVAILABLE ON THE SITE, TOPSOIL, MEETING OR EXCEEDING THE MINIMUM

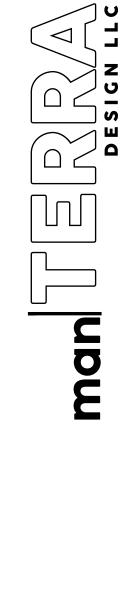
REQUIREMENTS OF THE NJDOT SPECIFICATIONS, AND CERTIFIED AS FREE OF ANY TOXINS SHALL BE PROVIDED TO RESULT IN A SIX

- LAWN AREAS SHALL MAINTAIN A MINIMUM SLOPE OF 2% AND A MAXIMUM OF 3 FEET HORIZONTAL TO 1 FOOT VERTICAL.
- UNACCEPTABLE PLANT MATERIALS: MATERIALS WHICH HAVE DAMAGED OR CROOKED LEADERS, DEFORMED GROWTH HABIT, ABRASIONS OF THE BARK, SUNSCALDS, WINDBURN, DISFIGURING KNOTS, OR FRESH CUTS OF LIMBS OVER 3/4 IN. WHICH HAVE NOT COMPLETELY CALLUSED WILL BE REJECTED. IN ADDITION, TREES HAVING THEIR CENTRAL LEADERS HEADED BACK WILL ALSO BE
- 7. ALL LANDSCAPING SHALL BE GUARANTEED FOR ONE (1) YEAR AFTER FINAL ACCEPTANCE. IT IS UNDERSTOOD THAT THE OWNER WILL PROVIDE ADEQUATE AND TIMELY CARE AT ALL TIMES.



VERTICAL DATUM, AS SHOWN, BASED ON NAVD 88

08.11.21 revised per completeness review



PLAINFIELD PORTFOLIO,

201 - 207 SPOONER AVENUE CITY OF PLAINFIELD, UNION COUNTY, NJ TAX MAP SHEET # 131

LANDSCAPING PLAN

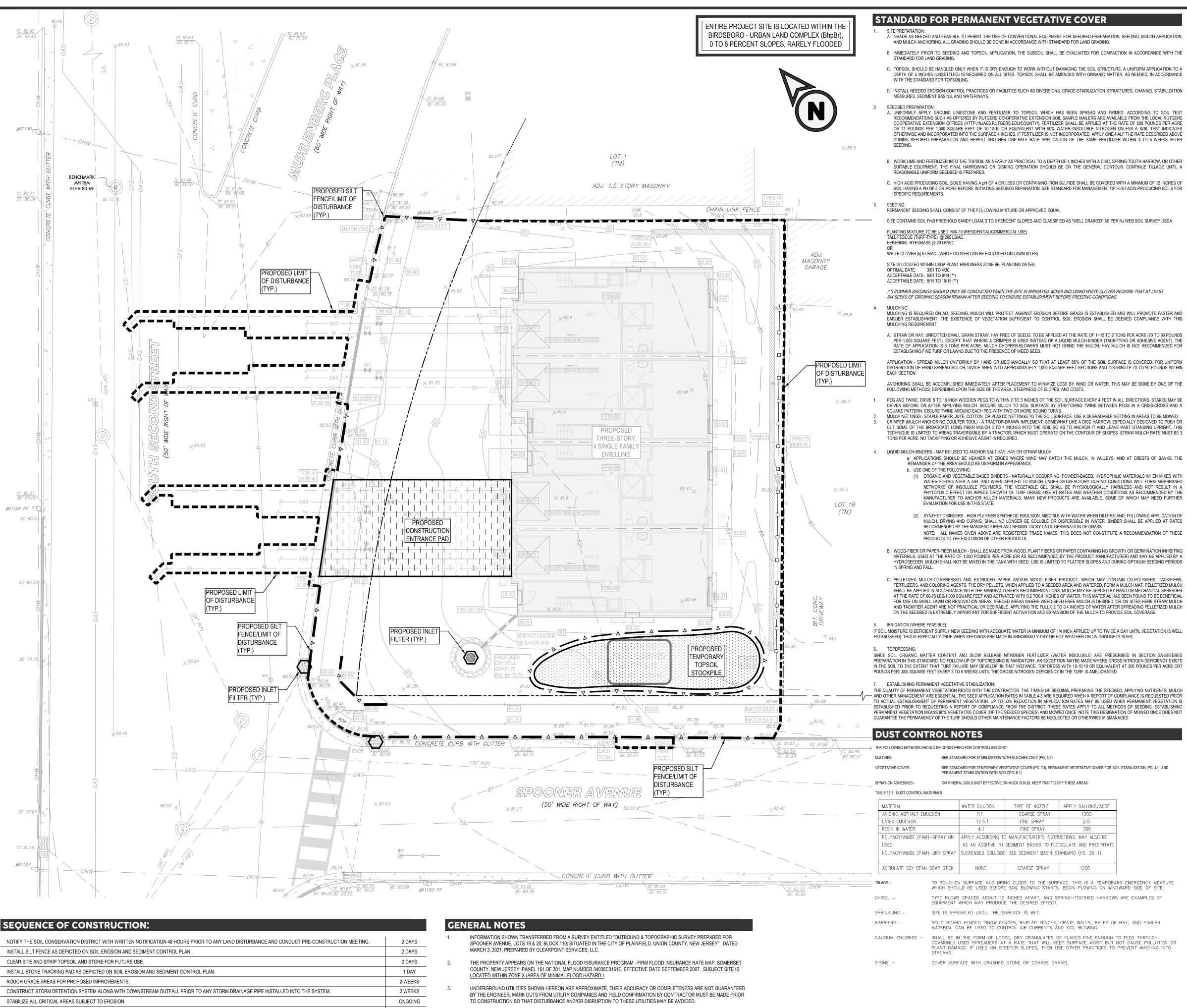


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8 MONTHS

2 DAYS

1 WEEK

1 DAY

1 DAY

± 10 MONTHS

CONSTRUCT BUILDING, RETAINING WALL, WALKS AND PAVEMENT SUBBASE

FINE GRADE, PLACE TOPSOIL, INSTALL LANDSCAPE PLANTINGS, SEED, AND MULCH IN ACCORDANCE WITH PERMANENT SEEDING AND MULCHING STANDARDS.

CONSTRUCT DRYWELL AND TIE ROOF LEADER TO SYSTEM

FINAL PAVE AND STRIPE PARKING AND DRIVEWAY AREAS.

TOTAL DURATION

AFTER LANDSCAPE STABILIZATION, REMOVE ALL SILT FENCING

STANDARD FOR PERMANENT VEGETATIVE COVER

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.

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

C. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE

D. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.

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 EQUIVALENT 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 ABOV DURING SEEDBED PREPARATION AND REPEAT ANOTHER ONE-HALE RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS AFTER

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

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 REPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH ACID-PRODUCING SOILS FOR

PERMANENT SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE OR APPROVED EQUAL:

SITE CONTAINS SOIL FrkB FREEHOLD SANDY LOAM, 2 TO 5 PERCENT SLOPES AND CLASSIFIED AS "WELL DRAINED" AS PER NJ WEB SOIL SURVEY USDA PLANTING MIXTURE TO BE USED: MIX-10 (RESIDENTIAL/COMMERCIAL USE) TALL FESCUE (TURF-TYPE) @ 265 LB/AC.

WHITE CLOVER @ 5 LB/AC. (WHITE CLOVER CAN BE EXCLUDED ON LAWN SITES)

SITE IS LOCATED WITHIN USDA PLANT HARDINESS ZONE 6B, PLANTING DATES:

ACCEPTABLE DATE: 5/01 TO 8/14 (**)

(**) SUMMER SEEDINGS SHOULD ONLY BE CONDUCTED WHEN THE SITE IS IRRIGATED. MIXES INCLUDING WHITE CLOVER REQUIRE THAT AT LEAST SIX SEEKS OF GROWING SEASON REMAIN AFTER SEEDING TO ENSURE ESTABLISHMENT BEFORE FREEZING CONDITIONS.

MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL PROTECT 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

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

APPLICATION - SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT AT LEAST 85% OF THE SOIL SURFACE IS COVERED, FOR LINIFORM. DISTRIBUTION OF HAND-SPREAD MULCH. DIVIDE AREA INTO APPROXIMATELY 1.000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN

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.

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 MULCH NETTINGS - STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED. 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

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:

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 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 NOTE: ALL NAMES GIVEN ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A 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 GROWTH 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. MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS

: PELLETIZED MULCH-COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT. WHICH MAY CONTAIN CO-POLYMERS. TACKIFIER FERTILIZERS, AND COLORING AGENTS. THE DRY PELLETS, WHEN APPLIED TO A SEEDED AREA AND WATERED, FORM A MULCH MAT. PELLETIZED MULCH SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADEF AT THE RATE OF 60.75 LBS/1 000 SOLIARE FEET AND ACTIVATED WITH 0.2 TO0.4 INCHES OF WATER THIS MATERIAL HAS BEEN FOLIND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENOVATION AREAS. SEEDED AREAS WHERE WEED-SEED FREE MULCH IS DESIRED. OR ON SITES HERE 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 SEEDBED IS EXTREMELY IMPORTANT FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE.

IF SOIL MOISTURE IS DEFICIENT SUPPLY NEW SEEDING WITH ADEQUATE WATER (A MINIMUM OF 1/4 INCH APPLIED UP TO TWICE A DAY UNTIL VEGETATION IS WELL ESTABLISHED). THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE IN ABNORMALLY DRY OR HOT WEATHER OR ON DROUGHTY SITES.

SINCE SOIL ORGANIC MATTER CONTENT AND SLOW RELEASE NITROGEN FERTILIZER (WATER INSOLUBLE) ARE PRESCRIBED IN SECTION 2A-SEEDBED PREPARATION IN THIS STANDARD, NO FOLLOW-UP OF TOPDRESSING 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: POUNDS PER1,000 SQUARE FEET EVERY 3 TO 5 WEEKS UNTIL THE GROSS NITROGEN DEFICIENCY IN THE TURF IS AMELIORATED.

ESTABLISHING PERMANENT VEGETATIVE STABILIZATION:

THE QUALITY OF PERMANENT VEGETATION RESTS WITH THE CONTRACTOR. THE TIMING OF SEEDING, PREPARING THE SEEDBED, APPLYING NUTRIENTS, MULCH ND OTHER MANAGEMENT ARE ESSENTIAL. THE SEED APPLICATION RATES IN TABLE 4-3 ARE REQUIRED WHEN A REPORT OF COMPLIANCE IS REQUESTED PRIOF TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION. UP TO 50% REDUCTION IN APPLICATION RATES MAY BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO REQUESTING A REPORT OF COMPLIANCE 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.

DUST CONTROL NOTES

THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST.

SEE STANDARD FOR STABILIZATION WITH MULCHES ONLY (PG. 5-1)

SEE STANDARD FOR TEMPORARY VEGETATIVE COVER (PG. 7-I), PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION (PG. 4-I), AND PERMANENT STABILIZATION WITH SOD CPG. 6-1)

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

APPLICANT

PLAINFIELD PORTFOLIO, LLC

429 CHESTNUT STREET

ROSELLE PARK, NJ 07204

PHONE: 908-275-1141

ALL ROADS AND WALKWAYS SHALL

BE SWEPT DAILY, OR AS REQUIRED

THROUGHOUT THE DURATION OF

CONSTRUCTION.

BLE 16-1 : DUST CONTROL MATERIALS							
MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ACRE				
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1200				
LATEX EMULSION	12.5:1	FINE SPRAY	235				
RESIN IN WATER	4:1	FINE SPRAY	300				
POLYACRYAMIDE (PAM)-SPRAY ON	APPLY ACCORDING TO	O MANUFACTURER'S INSTRI	JCTIONS. MAY ALSO BE				
USED	AS AN ADDITIVE TO	SEDIMENT BASINS TO FLO	CCULATE AND PRECIPITATE				
POLYACRYAMIDE (PAM)-DRY SPRAY							
ACIDULATE SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200				

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

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. SHALL BE IN THE FORM OF LOOSE, DRY GRANULATES OF FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO

SITE INFORMATION

BLOCK 110, LOTS 19 & 20

201-207 SPOONER AVENUE

PLAINFIELD, NEW JERSEY

LOT AREA = 8,002. (0.183 AC)

DISTURBANCE = 10,979 S.F. (0.25 AC)

COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL

SOIL EROSION AND SEDIMENT CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC. WILL IMMEDIATELY
- RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO NJ STATE STANDARDS.
- USED FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.

PERMANENT VEGETATION SHALL BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH WILL BE

- . ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NJ STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY (7TH
- 5. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STARII IZE STREETS. ROADS. DRIVEWAYS AND PARKING AREAS, IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN 15 DAYS OR PRELIMINARY GRADING
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING ALL CRITICAL AREAS SUBJECT TO EROSION (I.E.: STEEP SLOPES, ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE. ACCORDING TO THE NJ STATE STANDARDS
- ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E.:
- TRAFFIC CONTROL STANDARDS REQUIRE THE INSTALLATION OF A 50x30'x6" PAD OF 1 1/2" OR 2" STONE, AT ALL CONSTRUCTION DRIVEWAYS, IMMEDIATELY AFTER INITIAL SITE DISTURBANCE.
- 9. THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED IN WRITING 48 HOURS IN ADVANCE OF ANY LAND DISTURBING
- 10. AT THE TIME WHEN THE 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 VAY THAT 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. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES.
- 11. IN THAT NJSA 4:24-39 ET SEQ., REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE PROVISIONS OF THE CERTIFIED PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES, ALL SITE WORK FOR SITE PLANS AND ALL VORK AROUND INDIVIDUAL LOTS IN SUBDIVISIONS, WILL HAVE TO BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
- 12. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL. 13. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RECERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT NJ STATE SOIL EROSION & SEDIMENT CONTROL STANDARDS.
- 14. THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES IN OWNERSHIP.
- 15. MULCHING TO THE NJ STANDARDS IS REQUIRED FOR OBTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONALS ARE ONLY ISSUED WHEN THE SEASON PROHIBITS SEEDING.
- 16. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAN DURING LIFE OF CONSTRUCTION PROJECT.
- 17. THE DEVELOPER SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION AT THE REQUEST OF THE SOMERSET-UNION SOIL CONSERVATION DISTRICT.
- 18 HYDRO SEEDING IS A TWO-STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LIME, ETC. ALONG WITH MINIMAL AMOUNTS OF MUI CH TO PROMOTE CONSISTENCY, GOOD SEED TO SOIL CONTACT, AND GIVE A VISUAL INDICATION OF COVERAGE, UPON COMPLETION OF SEEDING OPERATION, HYDRO-MULCH SHOULD BE APPLIED AT A RATE OF 1500 LBS. PER ACRE IN SECOND STEP. THE USE OF HYDRO-MULCH, AS OPPOSED STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE NJ STANDARDS.

STANDARD FOR TEMPORARY VEGETATIVE COVER

TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION 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.).

- 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 LEGUMES
- 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
- D. SOILS HIGH IN SULFIDES OR HAVING A pH OF 4 OR LESS REFER TO STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS.
- TEMPORARY SEEDING SHALL CONSIST OF SPRING OATS APPLIED AT A RATE OF 2.0 LBS. PER 1,000 SF OR PERENNIAL RYEGRASS APPLIED AT A RATE OF 1.0 LBS. PER 1,000 SF. TEMPORARY SEEDING TO BE MAINTAINED UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED WITH
 - OPTIMAL DATE: 3/01 TO 4/30 ACCEPTABLE DATE: 5/01 TO 8/14 ACCEPTABLE DATE: 8/15 TO 10/15
 - 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
- 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

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.

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.

MULCH NETTINGS. STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE

CRIMPER (MULCH ANCHORING TOOL). A TRACTOR-DRAWN IMPLEMENT. SOMEWHAT LIKE A DISC HARROW. ESPECIALLY DESIGNED TO PUSH OF 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.

LIQUID MULCH-BINDERS. - MAY BE USED TO ANCHOR HAY OR STRAW MULCH.

SOMERSET COUNTY 4-H CENTER

308 MILLTOWN ROAD, BRIDGEWATER, NJ 0880

PHONE: 908-526-2701 FAX: 908-575-3977

SOILCONSERVATION@CO.SOMERSET.NJ.US

- 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 i. 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 FEFECT OR IMPEDE GROWTH OF TUREGRASS. 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
- ii. SYNTHETIC BINDERS HIGH POLYMER SYNTHETIC EMULSION. MISCIBLE WITH WATER WHEN DILUTED AND FOLLOWING APPLICATION T 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.

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- 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 APPLIED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 BS./1.000 SQUARE FEET AND ACTIVATED WITH 0.2 TO 0.4 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 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 FOF SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE.

IMPLEMENTATION OF SOIL RESTORATION STANDARDS AS THE PARCEL IS LOCATED WITHIN PLANNING AREA 1 AND IS WITHIN A **SOMERSET-UNION SOIL** URBAN ENTERPRISE ZONE, WITHIN AREAS OF PREVIOUS DEVELOPMENT. **CONSERVATION DISTRICT**

VERTICAL DATUM, AS SHOWN, BASED ON NAVD 88

THE PROJECT IS EXEMPT FROM THE

ecked by າດ box 275

somerville, nj 08876 908.800.5500

08.11.21 revised per completeness review

PLAINFIELD

BLOCK 110. LOTS 19 & 20

201 - 207 SPOONER AVENUE

CITY OF PLAINFIELD. UNION COUNTY, NJ

TAX MAP SHEET # 131

SOIL EROSION &

SEDIMENT

CONTROL PLAN

GIOVANNI MANILIO, PE

NEW JERSEY PROFESSIONAL ENGINEER 47552

nanterradesign.con certificate of authorization: 24GA28327100

