


BLOCK 146, LOT 12
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

BOARD CHAIRMAN	DATE
BOARD SECRETARY	DATE
CITY ENGINEER	DATE

THE STATE OF NEW JERSEY REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE

BLOCK 146, LOT 12
1526-1528 W 3RD STREET
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

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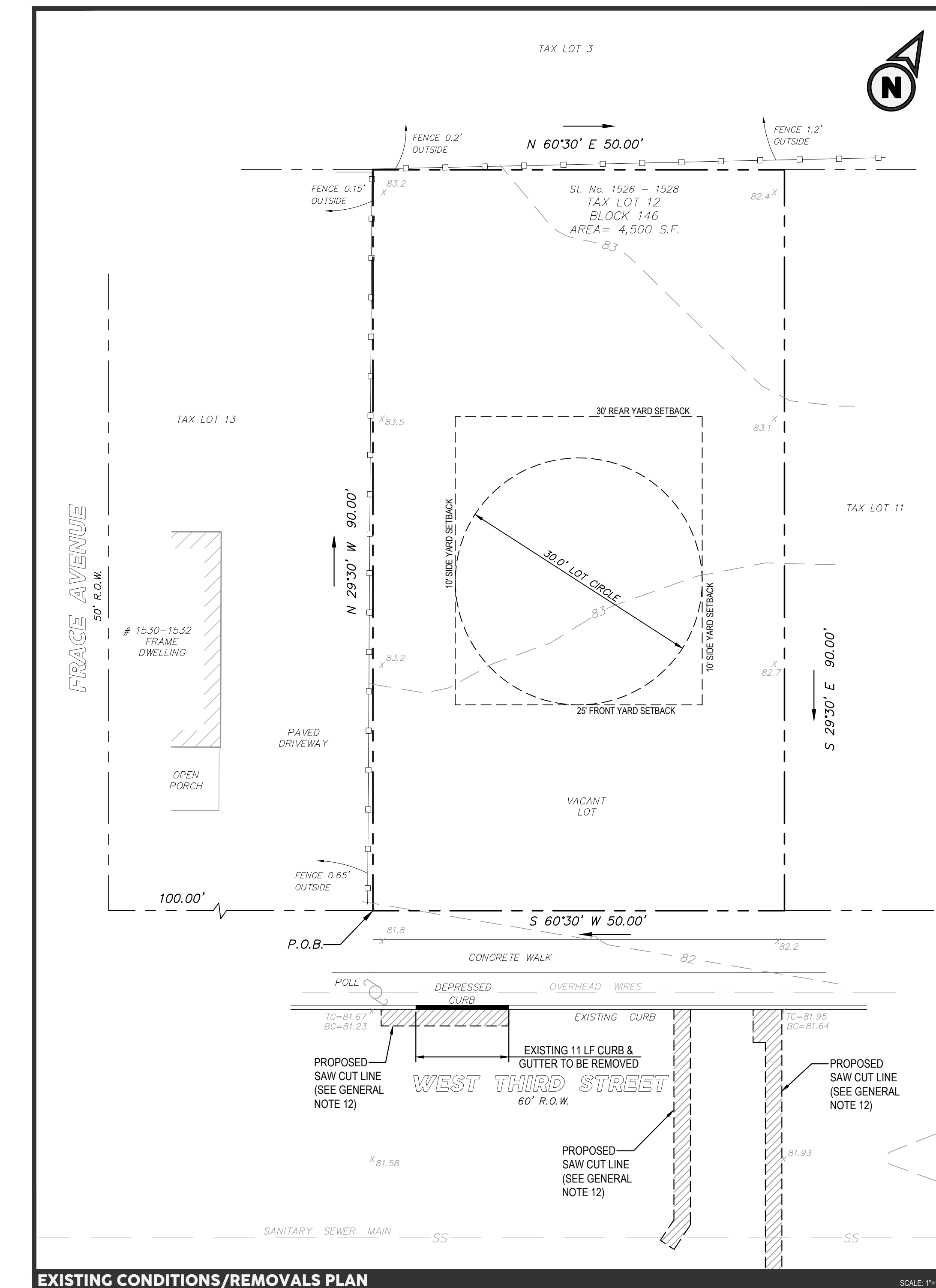
GIOVANNI MANILIO, PE
NEW JERSEY PROFESSIONAL ENGINEER 47552

drawn by	jam	date	02.01.2022
checked by	jam	scale	as shown

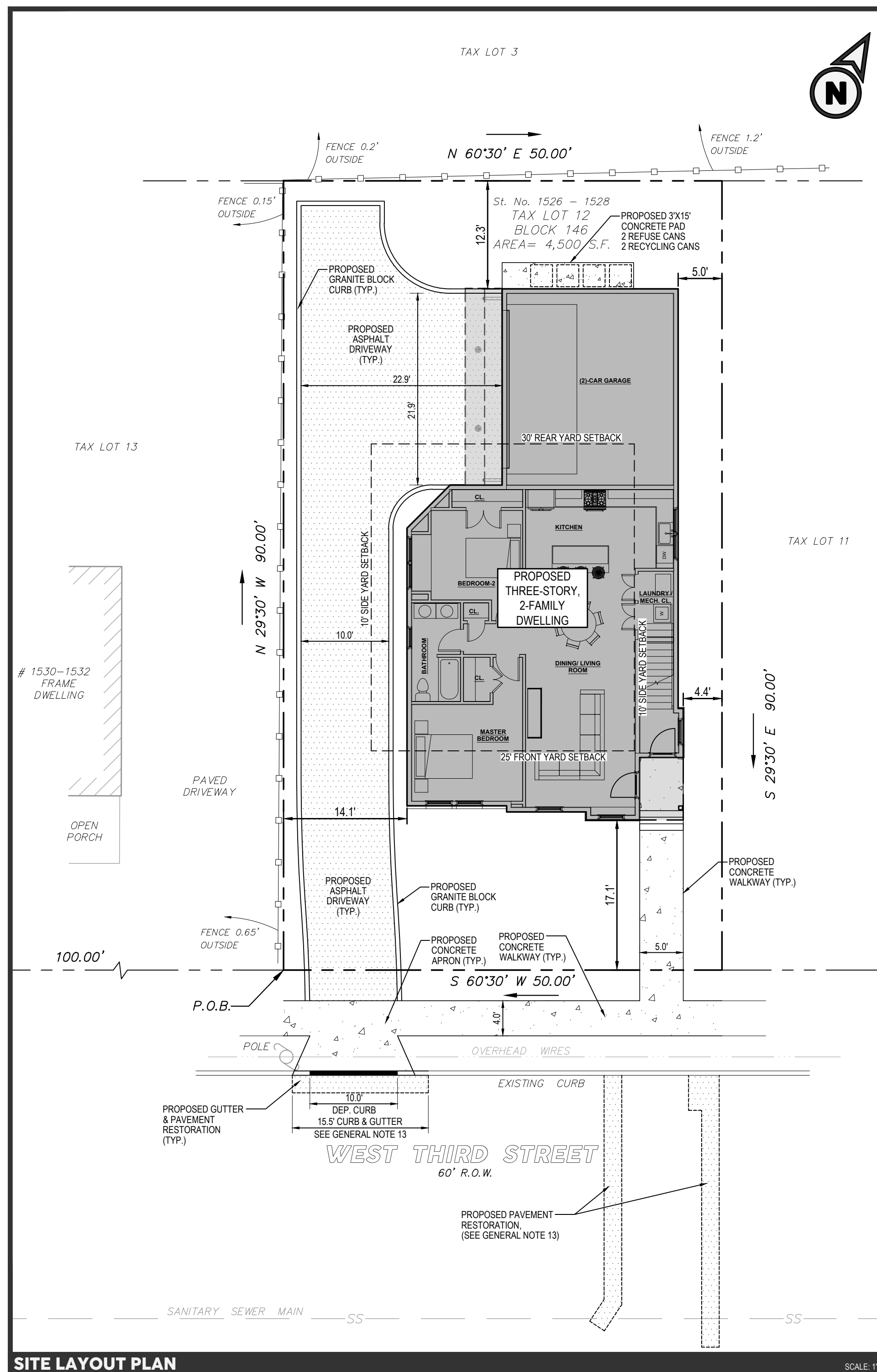
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manerradesign.com
certificate of authorization: 24GA28327100

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ALLEG	LOT	OWNER	BLOCK	LOT	OWNER	BLOCK	LOT	OWNER	BLOCK	LOT	OWNER	BLOCK	LOT	OWNER	BLOCK	LOT	OWNER
1464	101	DUQUE, CATHERINE 1537 W 3RD ST PLAINFIELD, NJ 07063	1464	7.01	CITY OF PLAINFIELD 1531 WILVERDAVE AVE PLAINFIELD, NJ 07061	146	3	LEWIS, MARCELLA R 1531 WILVERDAVE AVE PLAINFIELD, NJ 07063	146	10	LANDERWAY, KELLY 1522 W 3RD ST PLAINFIELD, NJ 07060	1467	14	PADILLA, ZONIA 1524 W 3RD ST PLAINFIELD, NJ 07063	1469	6	MATTHEWS, JAMES PAUL 1601-1603 W 3RD ST PLAINFIELD, NJ 07063
1464	15	OLEA, QUELQIN 1538 W 3RD ST PLAINFIELD, NJ 07063	1464	15	SHAW, ALISA 1538 HABLET ST PLAINFIELD, NJ 07060	146	4.01	HOBBS, DAVID & SHARON R 1519 WILVERDA ST PLAINFIELD, NJ 07063	146	11	GARCIA, MILTON 1524 W 3RD ST PLAINFIELD, NJ 07060	147	15	HAMILTON, ASHA 1524 W 3RD ST PLAINFIELD, NJ 07060	1469	7	SMITH, RAHMAN 1604-1606 W 3RD ST PLAINFIELD, NJ 07063
1464	3	GUARDADO, JOSE & ALVARADO, EROICA 1531-1533 W 3RD ST PLAINFIELD, NJ 07063	1464	16	O'NEEN, CETERUDE 1528 HABLET ST PLAINFIELD, NJ 07063	146	6	AKRA, ABDEL R 1528-1531 WILVERDA ST PLAINFIELD, NJ 07063	146	13	VACUZZE, MARIO SANS ELIAS 1538-1539 W 3RD ST PLAINFIELD, NJ 07063	147	16	DIAZ, JOEL I 1539-1540 WILVERDA ST PLAINFIELD, NJ 07063	150	6	CAMACHO, GLORIA E 1604-1606 W 3RD ST PLAINFIELD, NJ 07063
1464	17	JORDI, ANNA & BERNARD, LISA 1529 W 3RD ST PLAINFIELD, NJ 07063	1464	17	SOLIER, ERIC 900 DRAKE AVE PLAINFIELD, NJ 07023	146	18	WESTONE ENTERPRISES LLC 1504 W 3RD ST PLAINFIELD, NJ 07063	146	14	HARGREAVE, DEBRA 1534 W 3RD ST PLAINFIELD, NJ 07060	147	17	FLORES, DAMAZO MARTIN & ANGELA 1530 WILVERDA ST PLAINFIELD, NJ 07063	150	7	BAVOS, STEPHANIE 1604 WILVERDA ST PLAINFIELD, NJ 07063
1464	18	PETERLIN, CAULETTE 1525 W 3RD ST PLAINFIELD, NJ 07060	1465	1	BARNETT, HATTIE 1537 WILVERDA ST PLAINFIELD, NJ 07063	146	8	PANTALEON, YUMA & HECTOR 1534 W 3RD ST PLAINFIELD, NJ 07060	147	12	DURAN, FAUSTO & SILVERIA PEREZ 1512-1514 WILVERDA ST PLAINFIELD, NJ 07063	148	7	BOYD, STEPHANIE 1604 WILVERDA ST PLAINFIELD, NJ 07063	150	8	CRUPP, ROBIN A 1601-1603 W 3RD ST PLAINFIELD, NJ 07060
1464	6	SANOTIS, ANGEL T. & TALLS PLAINFIELD, NJ 07060	1465	2	PEREZ, CARMEN D 1535 WILVERDA ST PLAINFIELD, NJ 07060	146	9	CHURCH OF GOD & SAINTS OF CHRIST 1516-1519 W 3RD ST PLAINFIELD, NJ 07063	147	13	FLORES, DAMAZO MARTIN & ANGELA 1530 WILVERDA ST PLAINFIELD, NJ 07063	149	5	ORJUP, ROSINA N 1601-1603 W 3RD ST PLAINFIELD, NJ 07060			



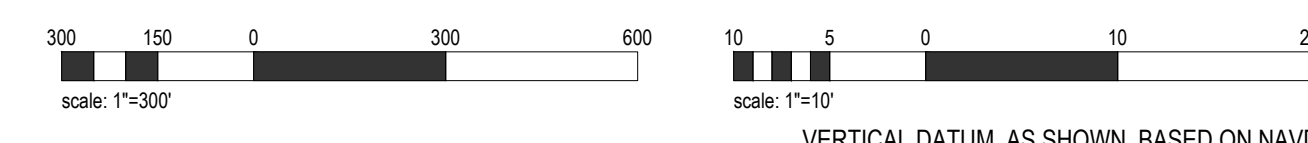
1.	LOCATION:	BLOCK 146, LOT 12 1526 - 1528 W 3RD STREET CITY OF PLAINFIELD UNION COUNTY, NEW JERSEY TAX MAP SHEET # 141
2.	OWNER:	44-46 WAINWRIGHT, LLC 429 CHESTNUT STREET ROSSELLE PARK, NJ 07204
3.	APPLICANT:	44 - 46 WAINWRIGHT, LLC 429 CHESTNUT STREET ROSSELLE PARK, NJ 07204
4.	LOT AREA:	4,500 S.F. (0.103 ACRES)
5.	ZONE DISTRICT:	R4 - MODERATE DENSITY RESIDENTIAL
6.	EXISTING USE:	VACANT
7.	PROPOSED USE:	TWO FAMILY RESIDENTIAL
8.	INFORMATION SHOWN TRANSFERRED FROM A SURVEY ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY ST. NO 1526 - 1528 WEST THIRD STREET TAX LOT 2 BLOCK 445 CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY," DATED OCTOBER 29, 2021, PREPARED BY WM. DIMARZO & SON, ASSOC., INC.	
9.	PROPOSED BUILDING INFORMATION, AS SHOWN, PER ARCHITECTURAL DRAWINGS ENTITLED, "NEW TWO FAMILY DWELLING FOR 44-46 WAINWRIGHT, LLC, BLOCK 146, LOT 12, 1526-1528 W 3RD ST, CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY 07063" DATED ISSUED FOR RECORD MAY 20, 2022, PREPARED BY DANTASCARRE ARCHITECTURE.	
10.	THE PROPERTY APPEARS ON THE NATIONAL FLOOD INSURANCE PROGRAM - FIRM FLOOD INSURANCE RATE MAP, UNION COUNTY, NEW JERSEY, MAP NUMBER 340390038F, EFFECTIVE DATE SEPTEMBER 20, 2006. SUBJECT SITE IS LOCATED WITHIN ZONE X (AREA OF MINIMAL FLOOD HAZARD.)	
11.	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 TO CONSTRUCTION SO THAT DISTURBANCE AND/OR DISRUPTION TO THESE UTILITIES MAY BE AVOIDED.	
12.	<u>REMOVAL OF CURBING SHALL INCLUDE CONCRETE GUTTER. REMOVAL AND REPLACEMENT OF CURBING AND GUTTERS SHALL BE DONE FROM JOINT TO JOINT. NO SAW CUTTING OF THE CURB AND/OR GUTTER IS PERMITTED.</u>	
13.	ALL REPLACEMENT OF CURBING AND GUTTERS SHALL BE DONE FROM JOINT TO JOINT. NO SAW CUTTING OF THE CURB AND/OR GUTTER IS PERMITTED.	

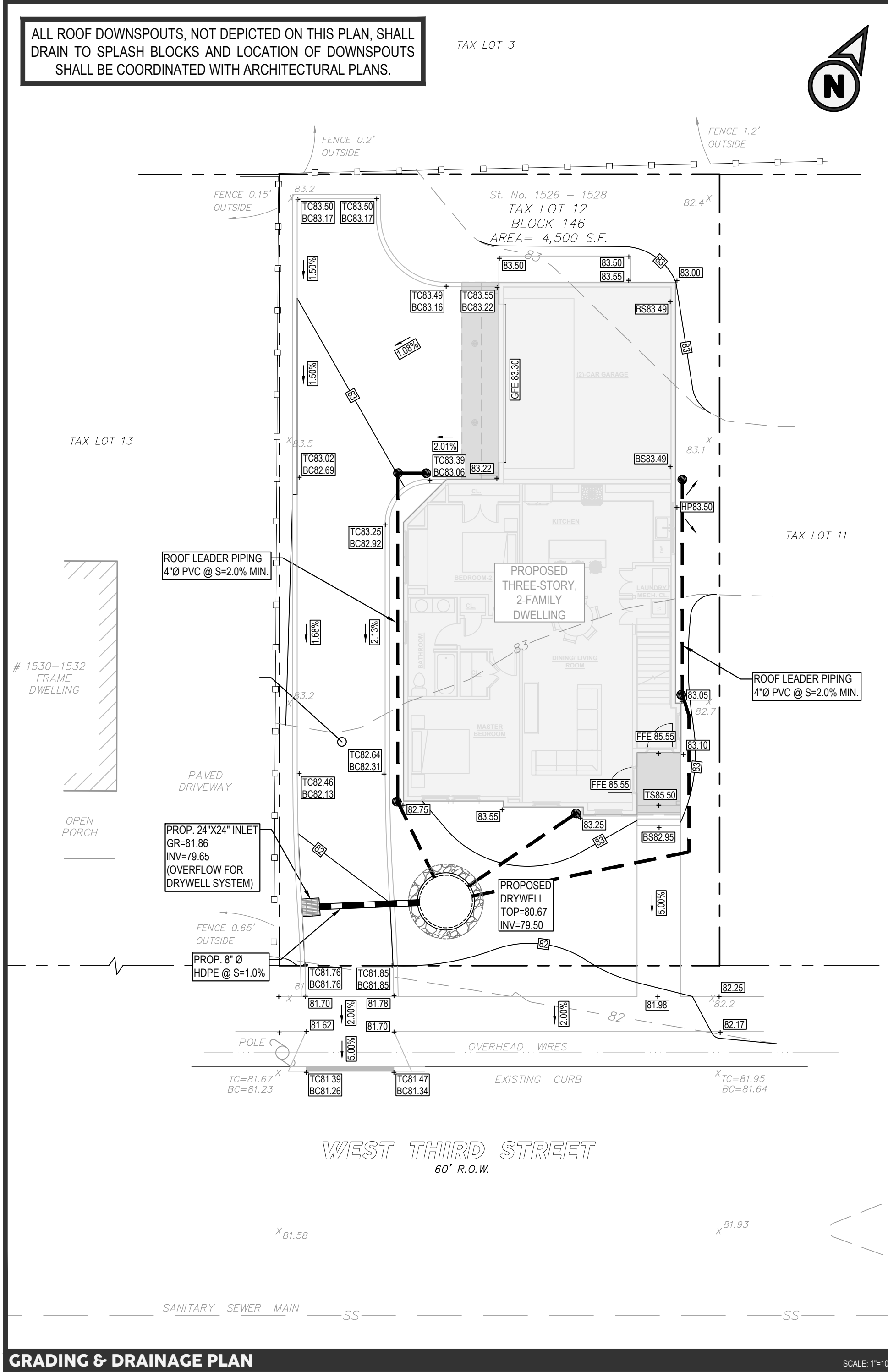
ZONING DISTRICT:	R-4 (MODERATE DENSITY RESIDENTIAL) - ZONING SHOWN FOR TWO FAMILY			
	REQUIRED ALLOWED	EXISTING LOT 12	PROPOSED LOT 12	
MINIMUM LOT AREA	10,000 S.F.	4,500 S.F.*	154 S.F. (V)	VARIANCE REQUESTED, PENDING
MAXIMUM DENSITY (D.U./ACRE)	8.7	-	19.0 (V)	VARIANCE REQUESTED, PENDING
MINIMUM LOT WIDTH	80 FT.	50.0 FT.*	50.0 FT. (V)	VARIANCE REQUESTED, PENDING
MINIMUM LOT FRONTAGE	80 FT.	50.0 FT.*	50.0 FT. (V)	VARIANCE REQUESTED, PENDING
MINIMUM LOT DEPTH	100 FT.	90.0 FT.*	90.0 FT. (V)	VARIANCE REQUESTED, PENDING
MINIMUM FRONT YARD SETBACK	25 FT.	-	17.1 FT. (V)	VARIANCE REQUESTED
MINIMUM SIDE YARD SETBACK	10 FT.	-	4.4 FT. (V)	VARIANCE REQUESTED
MINIMUM SIDE YARD SETBACK COMBINED	25 FT.	-	18.5 FT. (V)	VARIANCE REQUESTED
MINIMUM REAR YARD SETBACK	30 FT.	-	12.3 FT. (V)	VARIANCE REQUESTED
MAXIMUM FLOOR AREA RATIO	N/A	N/A	N/A	
MAXIMUM % BUILDING COVERAGE	25%	-	34.9% (V)	VARIANCE REQUESTED
MAXIMUM % TOTAL LOT COVER	40%	-	64.3% (V)	VARIANCE REQUESTED
MAXIMUM BUILDING HEIGHT	35 FT.	-	33.7 FT.	
MAXIMUM NUMBER OF STORIES	2.5	-	2	
MINIMUM IMPROVABLE LOT AREA	2,400 S.F.	1,050 S.F.*	1,050 S.F. (V)	VARIANCE REQUESTED, PENDING
M.A. - DIAMETER OF CIRCLE	34 FT.	30.0 FT.*	30.0 FT. (V)	VARIANCE REQUESTED, PENDING

<u>EXISTING BUILDING COVERAGE</u>	<u>PROPOSED LOT COVERAGE</u>
NO STRUCTURES PRESENT	DWELLING - GROUND FL. 1,571 S.F.
	TOTAL 1,571 S.F.
	(1,571 S.F./4,500 S.F. = 0.349) 34.9%

<u>EXISTING LOT COVERAGE</u>	<u>PROPOSED LOT COVERAGE</u>
NO STRUCTURES PRESENT	DWELLING/OVERHANGS 1,693 S.F.
	STEPS, WALKS, PADS 130 S.F.
	<u>PAVEMENT 1,072 S.F.</u>
	TOTAL 2,895 S.F.
	(2,895 S.F./4,500 S.F. = 0.643) 64.3%

SECTION	DESCRIPTION
17-9-B-D	A MINIMUM LOT AREA OF 10,000 S.F. FOR A TWO-FAMILY DWELLING IS REQUIRED; WHEREAS A LOT AREA OF 4,500 S.F. IS PROPOSED. THIS IS A PRE-EXISTING NONCONFORMING CONDITION WHICH IS NOT BE EXACERBATED.
17-9-B-D	A DENSITY NOT TO EXCEED 8.7 DWELLING UNITS PER ACRE FOR A TWO-FAMILY DWELLING IS PERMITTED; WHEREAS A DENSITY OF 19.0 DWELLING UNITS PER ACRE IS PROPOSED.
17-9-B-D	A MINIMUM LOT WIDTH OF 80 FT. IS REQUIRED FOR A TWO-FAMILY DWELLING; WHEREAS A LOT WIDTH OF 50.0 FT. IS PROPOSED. THIS IS A PRE-EXISTING NONCONFORMING CONDITION WHICH IS NOT BE EXACERBATED.
17-9-B-D	A MINIMUM LOT FRONTAGE OF 80 FT. IS REQUIRED FOR A TWO-FAMILY DWELLING; WHEREAS A LOT FRONTAGE OF 50.0 FT. IS PROPOSED. THIS IS A PRE-EXISTING NONCONFORMING CONDITION WHICH IS NOT BE EXACERBATED.
17-9-B-D	A MINIMUM LOT DEPTH OF 100 FT. IS REQUIRED FOR A TWO-FAMILY DWELLING; WHEREAS A LOT AREA OF 90.0 FT. IS PROPOSED. THIS IS A PRE-EXISTING NONCONFORMING CONDITION WHICH IS NOT BE EXACERBATED.
17-9-B-D	A MINIMUM FRONT YARD SETBACK OF 25 FEET IS REQUIRED; WHEREAS A FRONT YARD SETBACK OF 17.1 FT. IS PROPOSED.
17-9-B-D	A MINIMUM SIDE YARD SETBACK OF 10 FEET IS REQUIRED; WHEREAS A SIDE YARD SETBACK OF 4.4 FT. IS PROPOSED.
17-9-B-D	A MINIMUM COMBINED SIDE YARD SETBACK OF 25 FEET IS REQUIRED; WHEREAS A COMBINED SIDE YARD SETBACK OF 18.5 FT. IS PROPOSED.
17-9-B-D	A MINIMUM REAR YARD SETBACK OF 30 FEET IS REQUIRED; WHEREAS A REAR YARD SETBACK OF 12.3 FT. IS PROPOSED.
17-9-B-D	A MAXIMUM BUILDING COVERAGE OF 25% IS PERMITTED; WHEREAS A BUILDING COVERAGE OF 34.9% IS PROPOSED.
17-9-B-D	A MAXIMUM LOT COVERAGE OF 40% IS PERMITTED; WHEREAS A LOT COVERAGE OF 64.3% IS PROPOSED.
17-9-B-D	A MINIMUM IMPROVABLE LOT AREA OF 2,400 S.F. IS REQUIRED FOR A TWO-FAMILY DWELLING; WHEREAS AN IMPROVABLE LOT AREA OF 1,050 S.F. IS PROPOSED. THIS IS A PRE-EXISTING NONCONFORMING CONDITION WHICH IS NOT BE EXACERBATED.
17-9-42	A MINIMUM LOT CIRCLE OF 34 FT. IS REQUIRED FOR A TWO-FAMILY DWELLING; WHEREAS A LOT CIRCLE OF 30.0 FT. IS PROPOSED. THIS IS A PRE-EXISTING NONCONFORMING CONDITION WHICH IS NOT BE EXACERBATED.



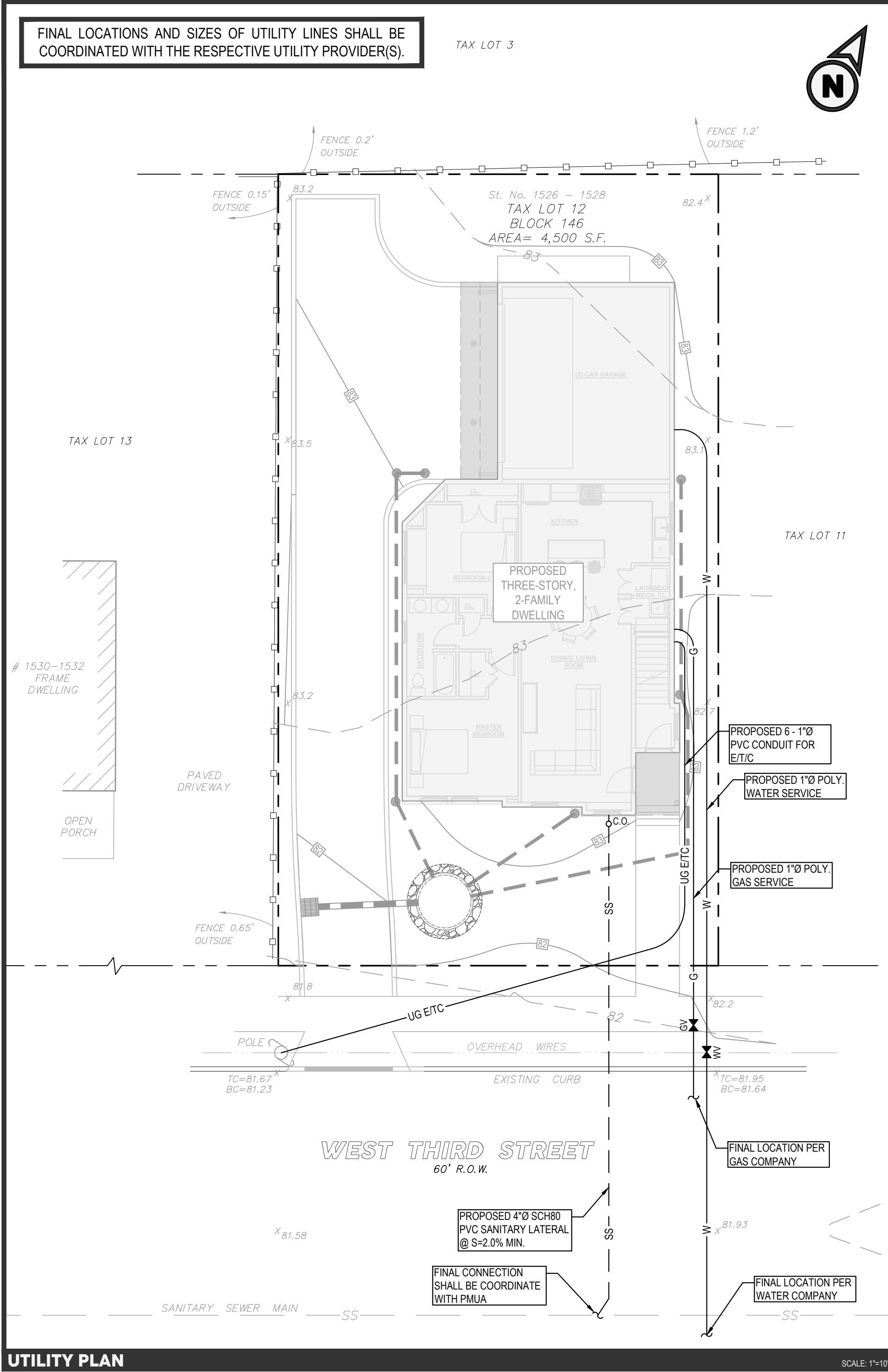


GRADING & DRAINAGE PLAN

- GENERAL NOTES**
- INFORMATION SHOWN TRANSFERRED FROM A SURVEY ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY ST. NO 1526 - 1528 WEST THIRD STREET TAX LOT 2 BLOCK 449 CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY," DATED OCTOBER 29, 2021, PREPARED BY WM. DIMARZO & SON, ASSOC., INC.
 - PROPOSED BUILDING INFORMATION AS SHOWN, PER ARCHITECTURAL DRAWINGS ENTITLED, "NEW TWO FAMILY DWELLING FOR 44-46 WAINWRIGNL LLC, BLOCK 146, LOT 12, 1526-1528 W 3RD ST, CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY 07063" DATED ISSUED FOR RECORD JANUARY 24, 2022, PREPARED BY DANTASCARRETE ARCHITECTURE.
 - THE PROPERTY APPEARS ON THE NATIONAL FLOOD INSURANCE PROGRAM - FIRM FLOOD INSURANCE RATE MAP, UNION COUNTY, NEW JERSEY, MAP NUMBER 3403900038F, EFFECTIVE DATE SEPTEMBER 20, 2006. SUBJECT SITE IS LOCATED WITHIN ZONE X (AREA OF MINIMAL FLOOD HAZARD).
 - 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 TO CONSTRUCTION SO THAT DISTURBANCE AND/OR DISRUPTION TO THESE UTILITIES MAY BE AVOIDED.
 - THE DEVELOPER SHALL PROVIDE SOIL PERMEABILITY TESTS FOR EACH DRYWELL THAT DEMONSTRATES THAT THE DRYWELL WILL DRAIN WITHIN 72 HOURS AFTER A RAINFALL AND ALSO DETERMINE THE SEASONAL GROUNDWATER TABLE ELEVATION WITH A MINIMUM VERTICAL DISTANCE OF TWO (2) FEET FROM BASE OF DRYWELL SYSTEM TO SEASONAL HIGH GROUNDWATER. THESE TESTS SHALL BE CONDUCTED AND APPROVED PRIOR TO THE COMMENCEMENT OF THIS PROJECT.
 - PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE PROPER OPERATION AND MAINTENANCE OF THE PROPOSED DRYWELL SYSTEM.

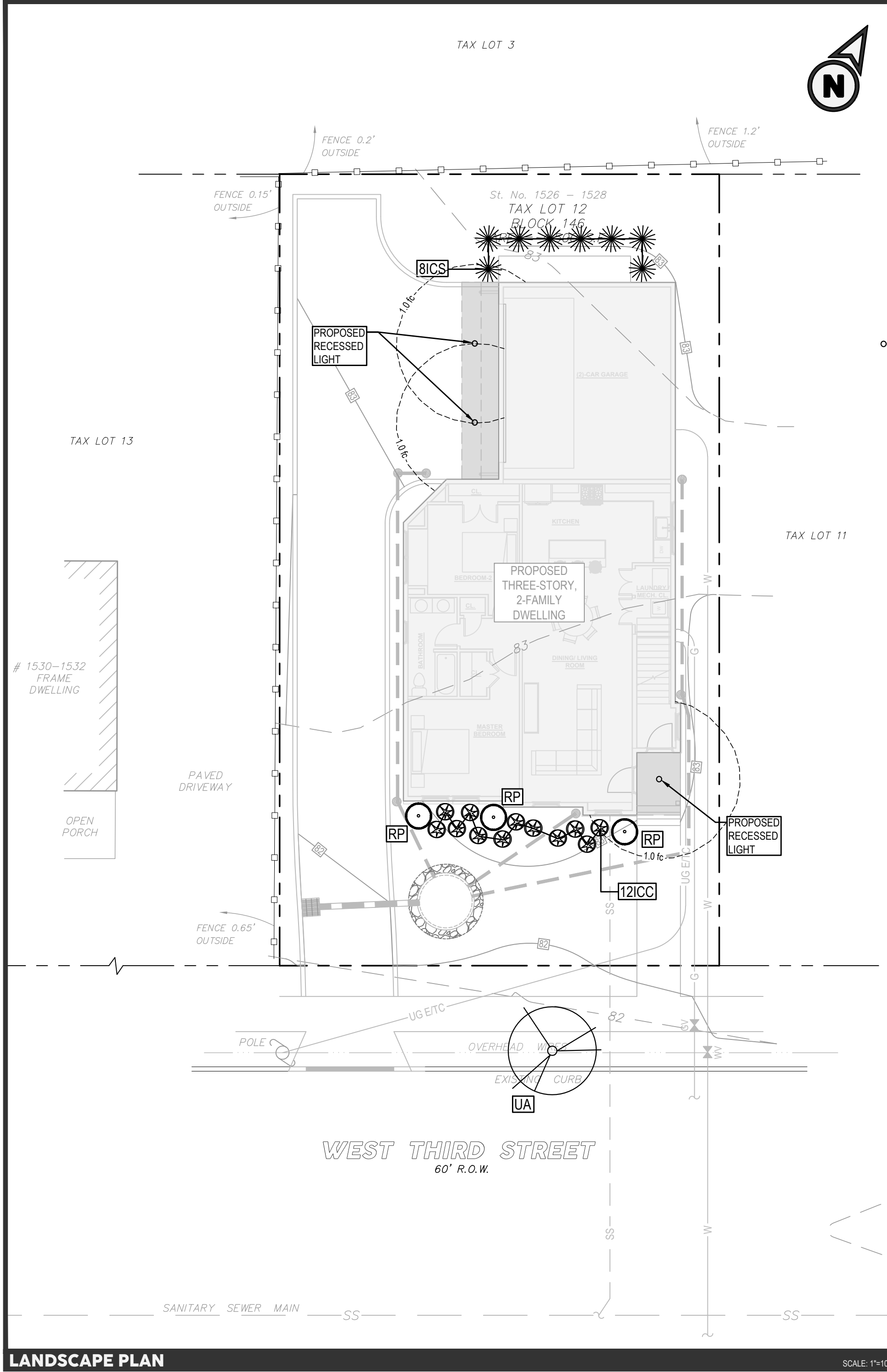
- LIGHTING NOTES:**
- ALL LIGHTING SHALL BE PER BELOW SCHEDULE OR APPROVED EQUAL. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE BOARD ENGINEER AND DESIGN ENGINEER/ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO ORDERING.
 - SHOP DRAWINGS SHALL BE SUBMITTED PRIOR TO ORDERING.

LIGHTING SCHEDULE						
TYP	DESCRIPTION	ARRANGEMENT	LUM WATTS	LLF	HEIGHT	QTY
A	SEA GULL 14601S-15	RECESSED CANOPY	12	0.95	8.25'	3



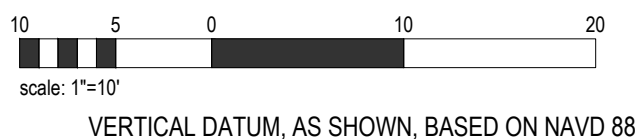
UTILITY PLAN

PLANTING SCHEDULE					
TREES					
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT
UA	1	Ulmus Americana 'Princeton'	PRINCETON ELM	2 1/2" CAL.	B & B
SHRUBS					
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT
ICC	12	Ilex Crenata 'Compacta'	COMPACT JAPANESE HOLLY	30" TO 36"	B & B
ICS	8	Ilex Crenata 'Sky Pencil'	SKY PENCIL JAPANESE HOLLY	48" TO 60"	B & B
RP	3	Rhododendron P.J.M.	P.J.M. RHODODENDRON	30" TO 36"	B & B



LANDSCAPE PLAN

- LANDSCAPE NOTES**
- 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 SPILL. 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 NDOT SPECIFICATIONS, AND CERTIFIED AS FREE OF ANY TOXINS SHALL BE PROVIDED TO RESULT IN A SIX (6) MINIMUM THICKNESS.
 - 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 CALLEDUSSED WILL BE REJECTED. IN ADDITION, TREES HAVING THEIR CENTRAL LEADERS HEADED BACK WILL ALSO BE REJECTED.
 - 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.



revisions
01. 05.20.2022 revised per completeness letter
02. 07.19.2022 general revisions



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**44-46
WAINWRIGNL
LLC**

BLOCK 146, LOT 12
1526-1528 W 3RD STREET
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

**GRADING, UTILITY
& LANDSCAPE
PLAN**

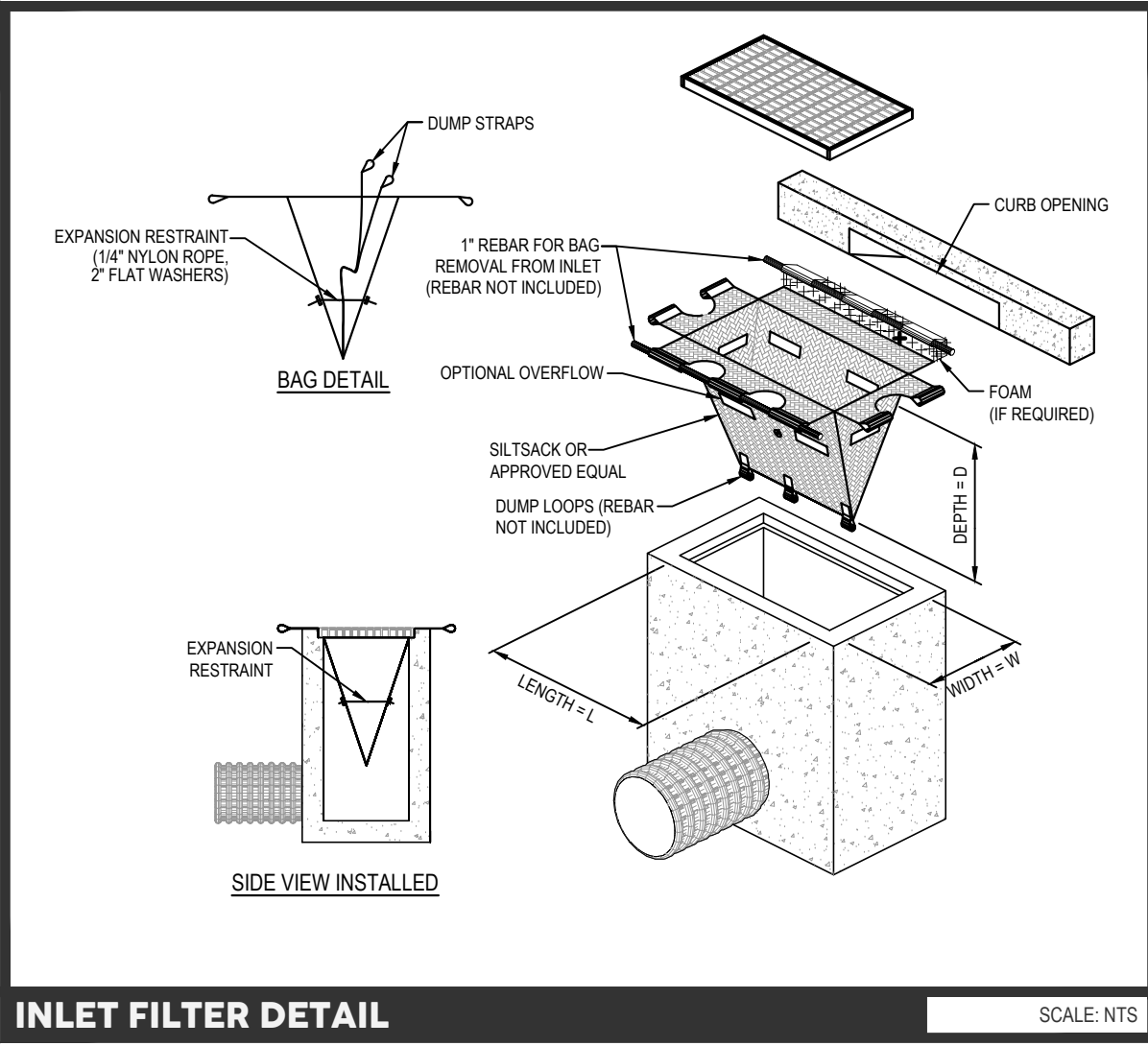
GIOVANNI MANILIO, PE
NEW JERSEY PROFESSIONAL ENGINEER 47552

**manTERRA
DESIGN LLC**

drawn by jam date 02.01.2022
checked by jam scale 1"=10'

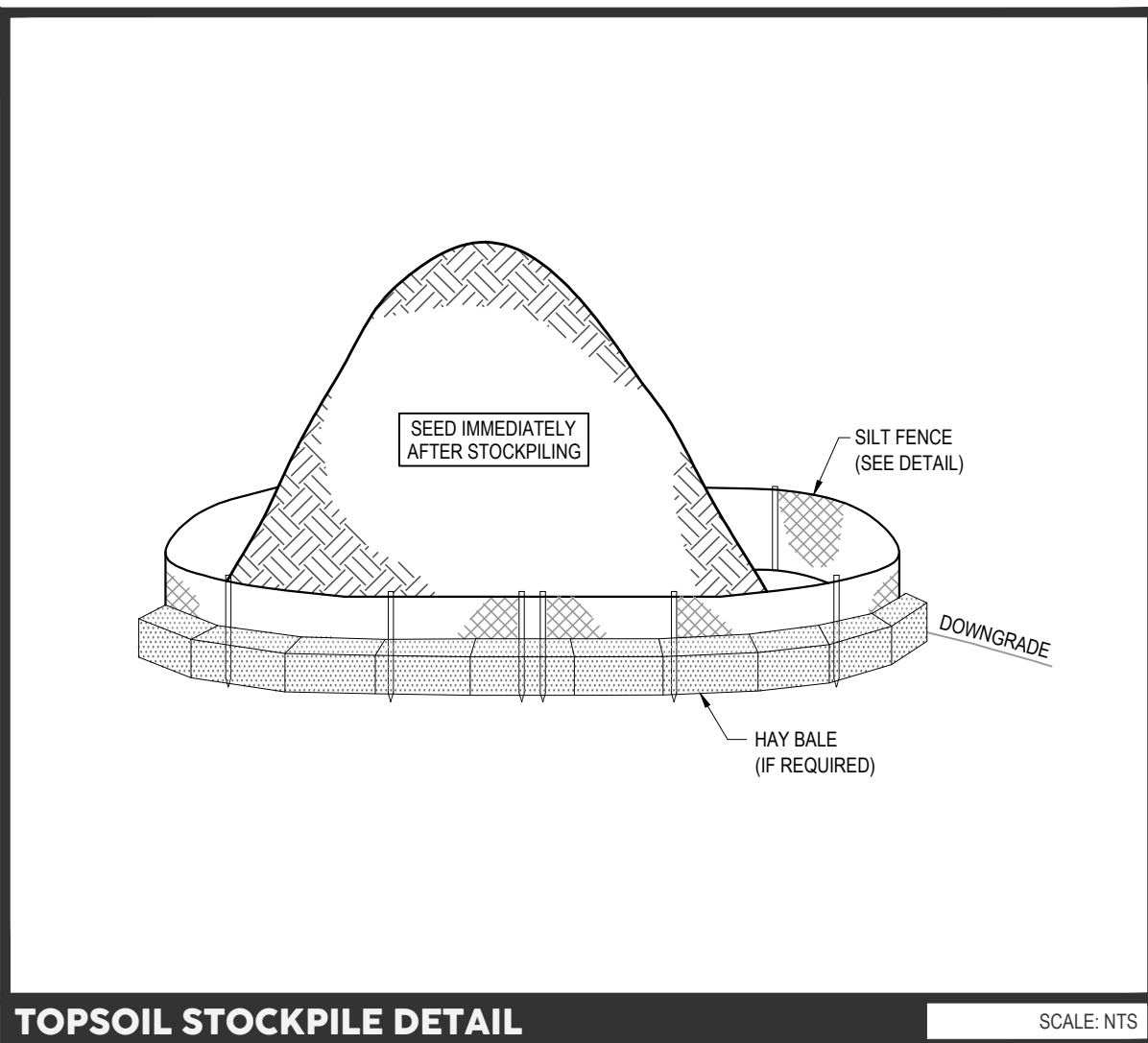
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certificate of authorization: 24GA28327100

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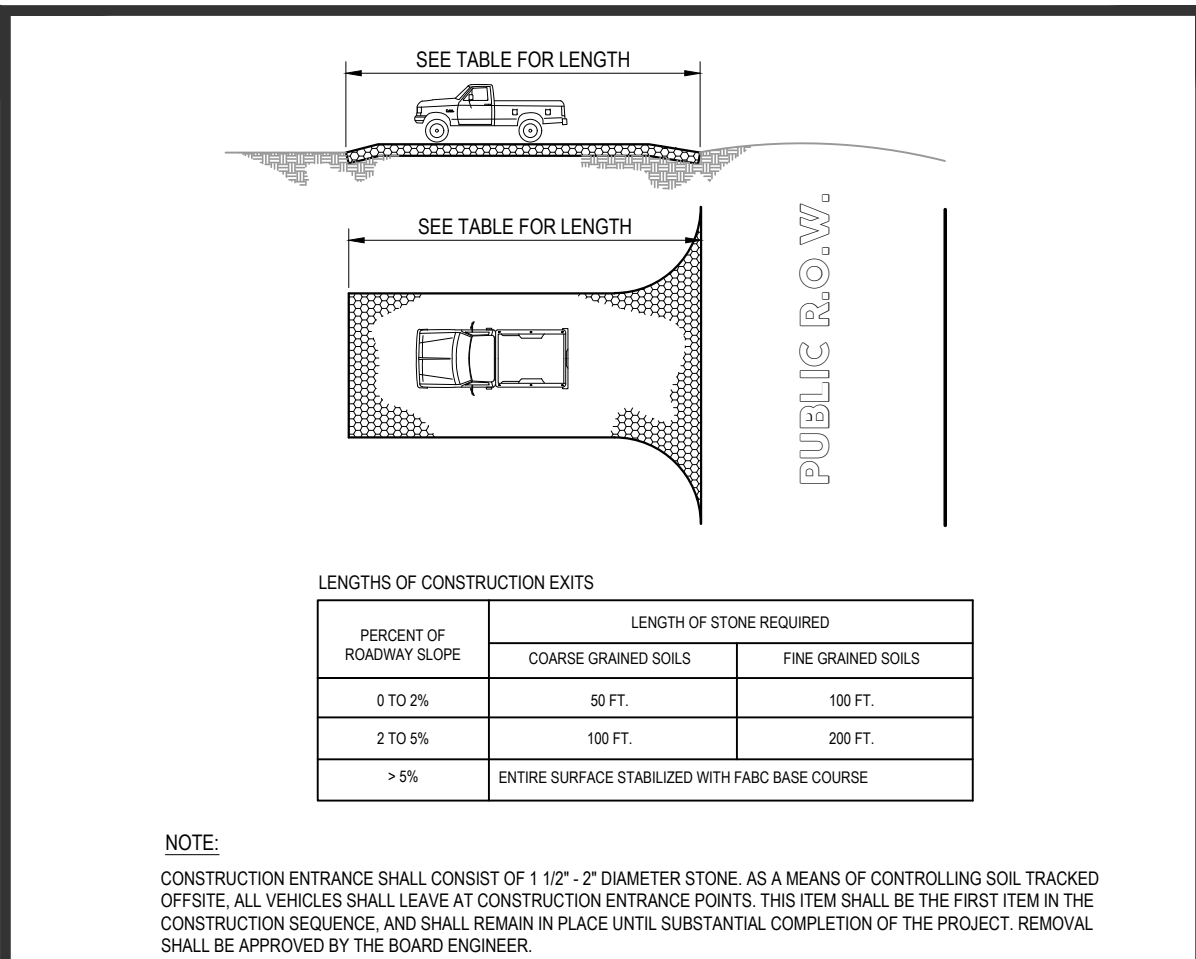
INLET FILTER DETAIL

SCALE: NTS



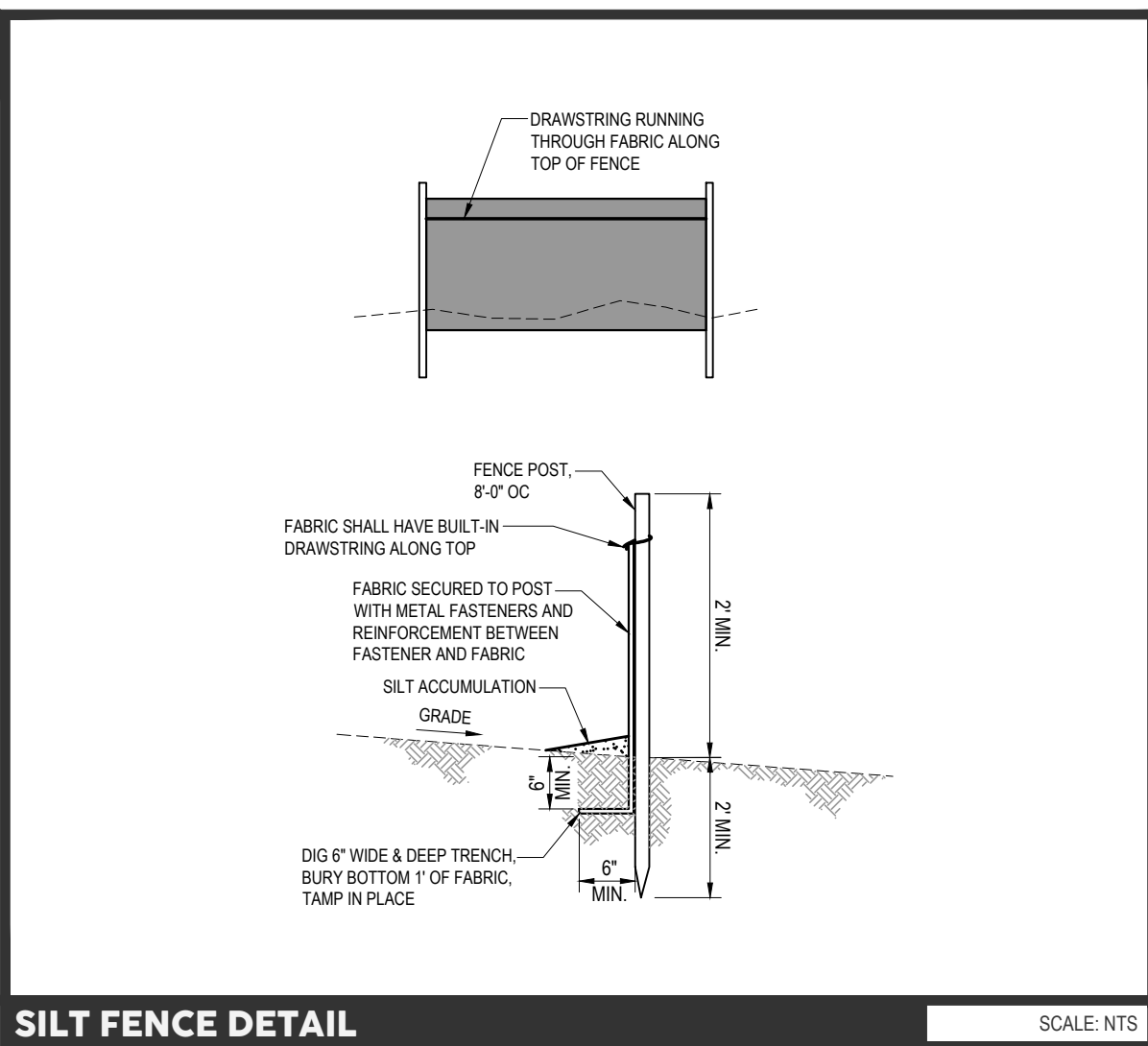
TOPSOIL STOCKPILE DETAIL

SCALE: NTS



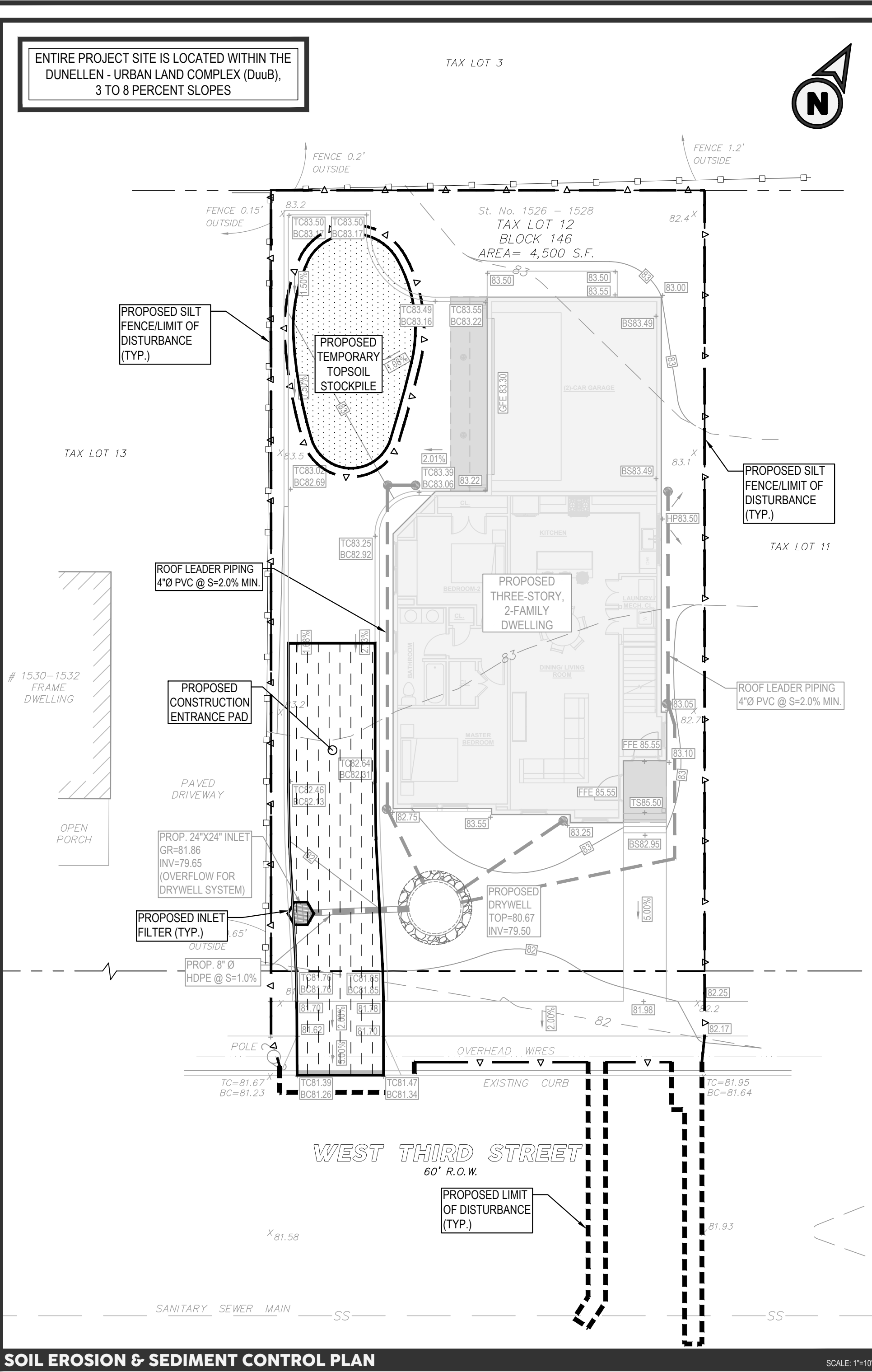
CONSTRUCTION ENTRANCE PAD DETAIL

SCALE: NTS



SILT FENCE DETAIL

SCALE: NTS



SOIL EROSION & SEDIMENT CONTROL PLAN

SCALE: 1"=10'

GENERAL NOTES

- 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 MARCH 3, 2021, PREPARED BY CLEARPOINT SERVICES, LLC.
- THE PROPERTY APPEARS ON THE NATIONAL FLOOD INSURANCE PROGRAM - FIRM FLOOD INSURANCE RATE MAP, SOMERSET COUNTY, NEW JERSEY, PANEL 161 OF 301, MAP NUMBER 30050C016, EFFECTIVE DATE SEPTEMBER 2007. SUBJECT SITE IS LOCATED WITHIN ZONE X (AREA OF MINIMAL FLOOD HAZARD).
- 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 TO CONSTRUCTION SO THAT DISTURBANCE AND/OR DISRUPTION TO THESE UTILITIES MAY BE AVOIDED.

SEQUENCE OF CONSTRUCTION:

NOTIFY THE SOIL CONSERVATION DISTRICT WITH WRITTEN NOTIFICATION 48 HOURS PRIOR TO ANY LAND DISTURBANCE AND CONDUCT PRE-CONSTRUCTION MEETING.	2 DAYS
INSTALL SILT FENCE AS DEPICTED ON SOIL EROSION AND SEDIMENT CONTROL PLAN.	2 DAYS
CLEAR SITE AND STRIP TOPSOIL AND STORE FOR FUTURE USE.	2 DAYS
INSTALL STONE TRACKING PAD AS DEPICTED ON SOIL EROSION AND SEDIMENT CONTROL PLAN.	1 DAY
ROUGH GRADE AREAS FOR PROPOSED IMPROVEMENTS.	1 WEEK
STABILIZE ALL CRITICAL AREAS SUBJECT TO EROSION.	ONGOING
CONSTRUCT BUILDING, CURBING, WALKS AND PAVEMENT SUBBASE	8 MONTHS
CONSTRUCT DRYWELL AND TIE ROOF LEADER TO SYSTEM	3 DAYS
FINE GRADE, PLACE TOPSOIL, INSTALL LANDSCAPE PLANTINGS, SEED, AND MULCH IN ACCORDANCE WITH PERMANENT SEEDING AND MULCHING STANDARDS.	1 WEEK
AFTER LANDSCAPE STABILIZATION, REMOVE ALL SILT FENCING.	1 DAY
FINAL PAVE AND STRIPE PARKING AND DRIVEWAY AREAS.	1 DAY
TOTAL DURATION	± 10 MONTHS

ALL ROADS AND WALKWAYS SHALL BE SWEEPED DAILY, OR AS REQUIRED, THROUGHOUT THE DURATION OF CONSTRUCTION.

STANDARD FOR PERMANENT VEGETATIVE COVER

- SITE PREPARATION:**
 - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING.
 - IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING.
 - 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 WITH THE STANDARD FOR TOPSOILING.
 - INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.
 - SEEDED PREPARATION:**
 - 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 OFFICES. FERTILIZER SHALL BE APPLIED AT THE RATE OF 50 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 ABOVE DURING SEEDED PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS AFTER SEEDING.
 - 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 SEEDED IS PREPARED.
 - HIGH ACID PRODUCING SOILS SHALL HAVE A pH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A pH OF 5.0 OR MORE BEFORE INITIATING SEEDED REPARATION. SEE STANDARDS FOR MANAGEMENT OF HIGH ACID-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.
 - SEEDING:**

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

SITE CONTAINS SOIL: F&B F&B 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) @ 26% LB/AC
PERENNIAL RYEGRASS @ 20% LB/AC
OR
WHITE CLOVER @ 5% LB/AC (WHITE CLOVER CAN BE EXCLUDED ON LAWN SITES)

SITE IS LOCATED WITHIN USDA PLANT HARDINESS ZONE 6B. PLANTING DATES:
OPTIMAL DATE: 3/01 TO 4/30
ACCEPTABLE DATE: 5/01 TO 8/14 (*)
ACCEPTABLE DATE: 8/15 TO 10/15 (**)

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

 - STRAW OR HAY, UNKNOTTED SMALL GRASS STRAW, HAY FREE OF SEEDS, TO BE APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (90 TO 120 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A COMPOST 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.
 - LIQUID MULCH-BINDERS - MAY BE USED TO ANCHOR SALT HAY, HAY OR STRAW MULCH.
 - 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.
 - USE ONE OF THE FOLLOWING:
 - 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 PHYTOXIC EFFECT OR IMPED 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.
 - 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.
 - 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 IN SPRING AND FALL.
 - 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, FORM A MULCH MAT. PELLETIZED MULCH SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LB/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 SEEDED IS EXTREMELY IMPORTANT FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE.
 - IRRIGATION (WHERE FEASIBLE):**

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.
- TOPOSSURING:**

SINCE SOIL ORGANIC MATTER CONTENT AND SLOW RELEASE NITROGEN FERTILIZER (WATER INSOLUBLE) ARE PRESCRIBED IN SECTION 2A-SEEDED PREPARATION IN THIS STANDARD, NO FOLLOWING 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 7 POUNDS PER 1,000 SQUARE FEET EVERY 3 TO 5 WEEKS UNTIL THE GROSS NITROGEN DEFICIENCY IN THE TURF IS ALLEVIATED.
 - ESTABLISHING PERMANENT VEGETATIVE STABILIZATION:**

THE QUALITY OF PERMANENT VEGETATION RESULTS WITH THE CONTRACTOR, THE TIMING OF SEEDING, PREPARING THE SEEDED, APPLYING NUTRIENTS, MULCH AND OTHER MANAGEMENT ARE ESSENTIAL. THE SEED APPLICATION RATES IN TABLE 4-3 ARE REQUIRED WHEN A REPORT OF COMPLIANCE IS REQUESTED PRIOR 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 MOVING ONCE. NOTE: THIS DESIGNATION OF MOVED 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:

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

VEGETATIVE COVER - SEE STANDARD FOR TEMPORARY VEGETATIVE COVER (PG. 7-4), PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION (PG. 4-3), AND PERMANENT STABILIZATION WITH SOD (PG. 6-1)

SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MOIST SOILS), KEEP TRAFFIC AT THESE AREAS.

TABLE 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
POLYACRYLAMIDE (PAM) - SPRAY ON USED	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE		
POLYACRYLAMIDE (PAM) - DRY SPRAY	SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARD (PG. 26-1)		
ADJULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

- TRAILER - TO ROUGHEN SURFACE AND BRING CLOUDS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN BLOWING ON WINDWARD SIDE OF SITE.
- CHISEL - TYPE PLOWS SPACED ABOUT 12 INCHES APART, AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- 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 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 STREAMS.
- STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

APPLICANT

44 - 46 WAINWRIGHT, LLC
429 CHESTNUT STREET
ROSELLE PARK, NJ 07024
PHONE: 908-275-1141

SITE INFORMATION

BLOCK 146, LOT 12
1526 - 1528 W 3RD STREET
PLAINFIELD, NEW JERSEY
LOT AREA = 4,500 S.F. (0.103 AC)
DISTURBANCE = 5,212 S.F. (0.120 AC)

SOMERSET-UNION SOIL CONSERVATION DISTRICT

SOMERSET COUNTY 4-H CENTER
308 MILLTOWN ROAD, BRIDGEWATER, NJ 08807
PHONE: 908-526-2701 FAX: 908-575-3977
SOILCONSERVATION@CO.SOMERSET.NJ.US

SOIL COMPACTION EXEMPTION NOTE

AS DETERMINED BY THE STATE POLICY MAP, THE PROJECT AREA FALLS WITHIN THE METROPOLITAN PLANNING AREA (PA1) UNDER EXISTING CONDITIONS. THE SITE IS NOT COVERED IN WOODY VEGETATION NOR REGROWTH. IN ACCORDANCE WITH THE NEW JERSEY STANDARD FOR LAND GRADING (REVISED 2017), NON WOODY VEGETATED PA1 AREAS FALL UNDER THE SOIL COMPACTION EXEMPTION LIST AS AN "URBAN REDEVELOPMENT" AND IS DEFINED BY NJDEP AS "PREVIOUSLY DISTURBED".

VERTICAL DATUM, AS SHOWN, BASED ON NAVD 88

SOIL EROSION AND SEDIMENT CONTROL NOTES

REVISED 8/24/20

- 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 COVER 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.
- PERMANENT VEGETATION SHALL BE SEEDING OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH WILL BE USED FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NJ STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, IN NEW JERSEY (7TH EDITION, LAST REVISED JULY 2017).
- A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN 15 DAYS OF 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.: SLOPES GREATER THAN 3:1).
- TRAFFIC CONTROL STANDARDS REQUIRE THE INSTALLATION OF A 50x20x4" PAD OF 1 1/2" OR 2" STONE, AT ALL CONSTRUCTION DRIVEWAYS, IMMEDIATELY AFTER INITIAL SITE DISTURBANCE.
- THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED IN WRITING 48 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY.
- 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 WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. 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.
- IN THAT NJSA 42:49 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 CERTIFIED PLANS AND ALL WORK 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.
- CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- 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.
- THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES IN OWNERSHIP.
- MULCHING TO THE NJ STANDARDS IS REQUIRED FOR OBTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONALS ARE ONLY ISSUED WHEN THE SEASON PROHIBITS SEEDING.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAN DURING LIFE OF CONSTRUCTION PROJECT.
- 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.
- HYDRO SEEDING IS A TWO-STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LIME, ETC., ALONG WITH MINIMAL AMOUNTS OF MULCH 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 THE RATE OF 1500 LBS. PER ACRE IN SECOND STEP. THE USE OF HYDRO-MULCH, AS OPPOSED TO 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:**
 - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING, PG. 1-1.
 - 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.
 - IMMEDIATELY PRIOR TO SEEDING, THE SURFACE SHOULD BE SOAKED BY "1" WHERE THERE HAS BEEN SOIL COMPACTION. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.).
- SEEDED PREPARATION:**
 - APPLY GROUND LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION. SOIL SAMPLE MALEERS ARE AVAILABLE FROM THE LOCAL RUTGERS CO-OPERATIVE EXTENSION OFFICES. 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. LIMEING 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.
 - 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 SEEDED IS PREPARED.
 - INSPECT SEEDED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED IN ACCORDANCE WITH THE ABOVE.
 - SOILS HIGH IN SULFIDES OR HAVING A pH OF 4.0 OR LESS REFER TO STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS.
- SEEDING:**

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 PERMANENT SEEDING.

OPTIMAL DATE: 3/01 TO 4/30
ACCEPTABLE DATE: 5/01 TO 8/14
ACCEPTABLE DATE: 8/15 TO 10/15
- 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.

 - STRAW OR HAY, UNKNOTTED SMALL GRASS STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (90 TO 120 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A COMPOST 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 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.
 - 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.
 - USE ONE OF THE FOLLOWING:
 - 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 PHYTOXIC EFFECT OR IMPED 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.
 - 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. IT SHALL BE APPLIED AT RATES RECOMMENDED BY THE MANUFACTURER AND REMAIN TACKY UNTIL GERMINATION OF GRASS.
 - 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. 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.
 - 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, FORM A MULCH MAT. PELLETIZED MULCH SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LB/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 FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE.

revisions
01. 05.20.2022 revised per completeness letter
02. 07.19.2022 general revisions



44-46
WAINWRIGHT
LLC
BLOCK 146, LOT 12
1526-1528 W 3RD STREET
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

SOIL EROSION & SEDIMENT CONTROL PLAN

GIOVANNI MANILIO, P.E.
NEW JERSEY PROFESSIONAL ENGINEER #7552

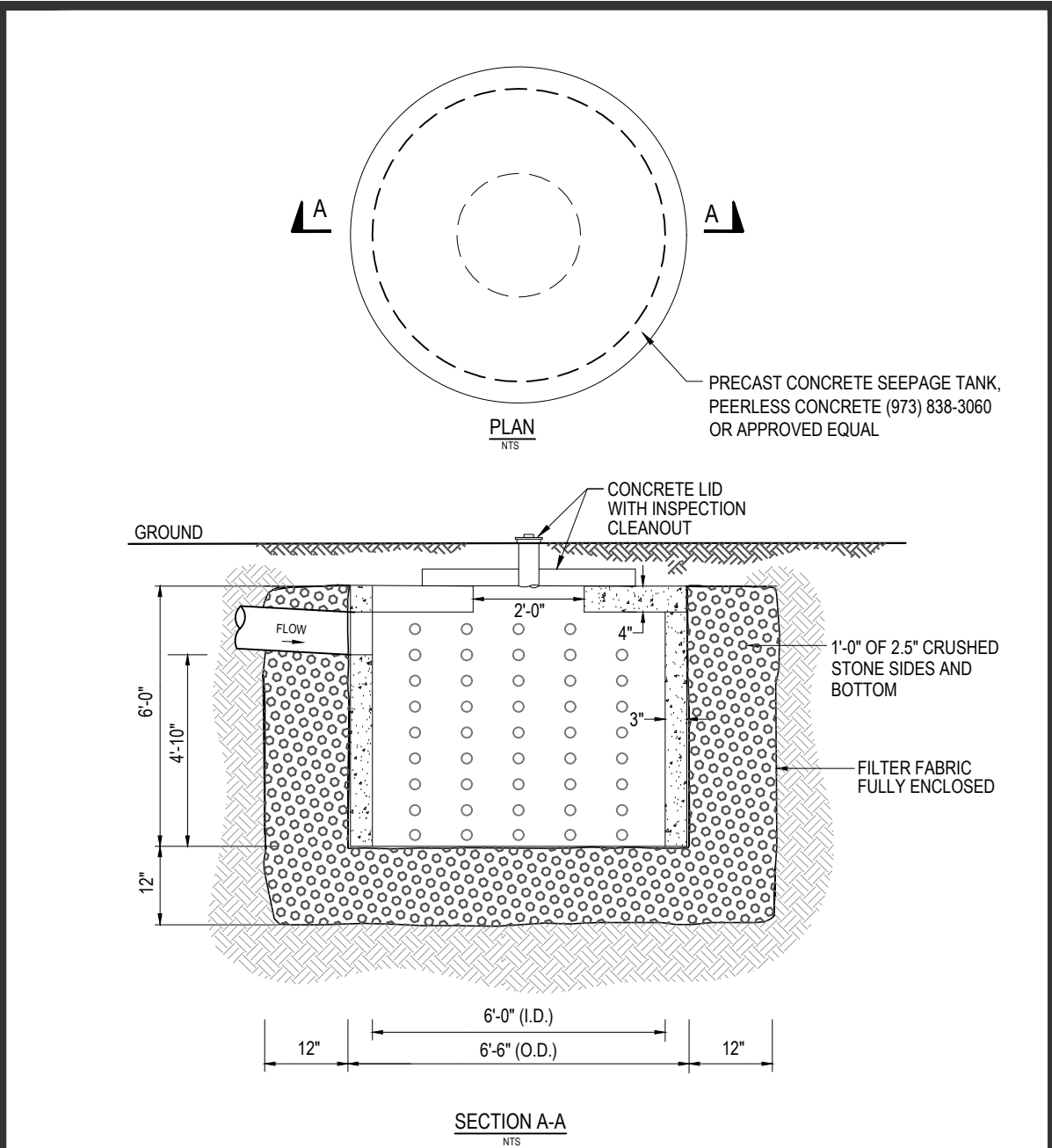
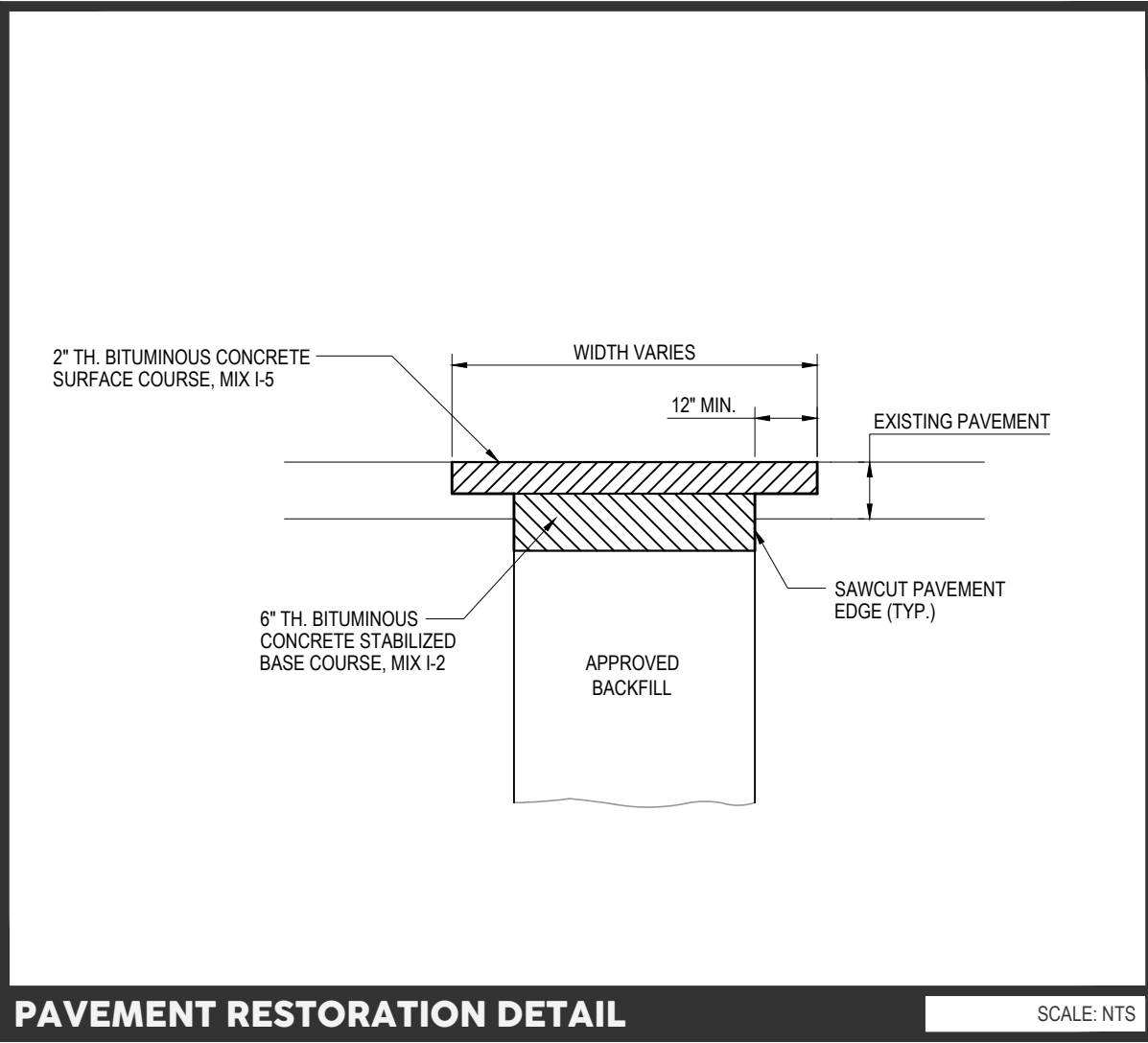
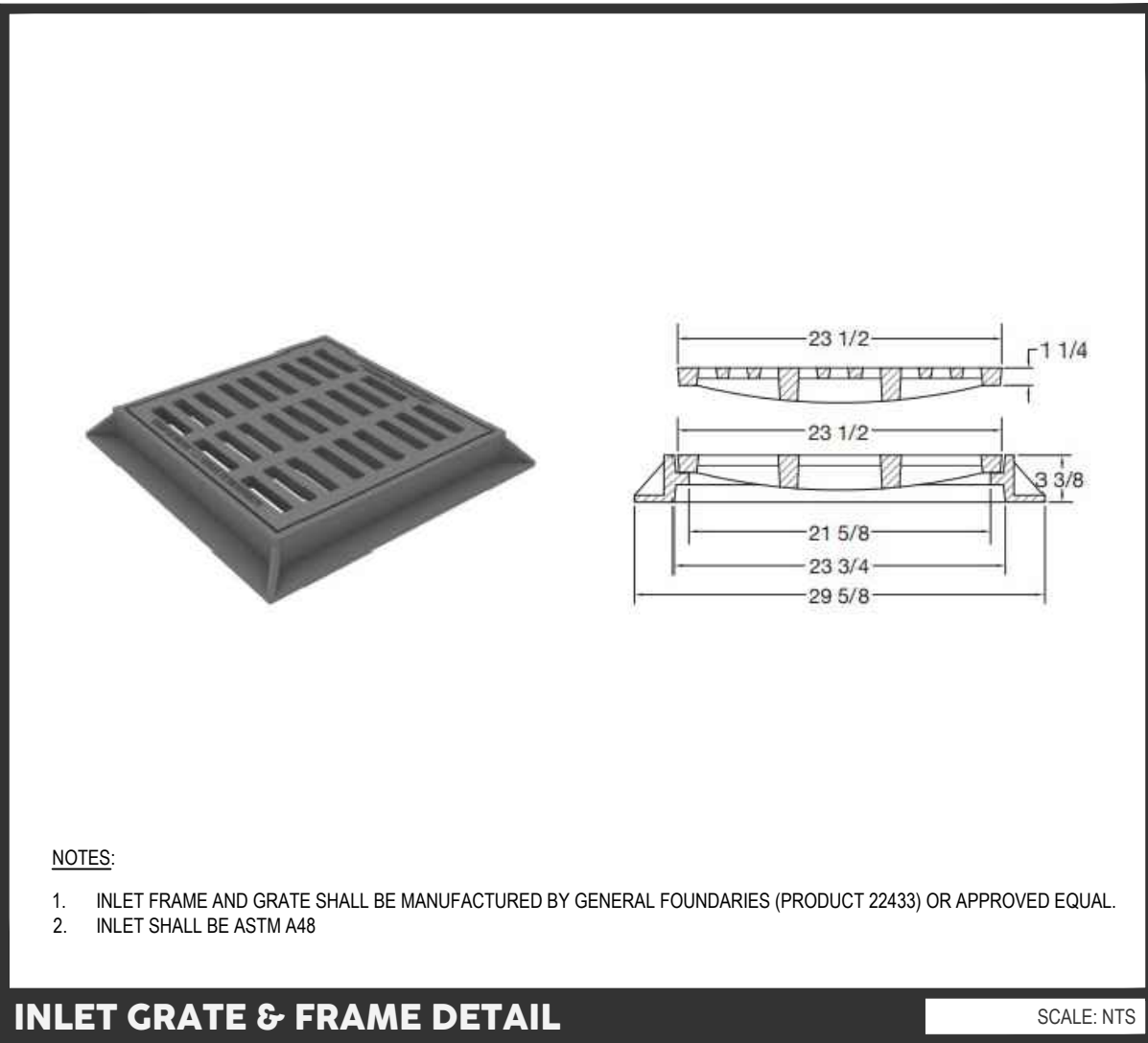
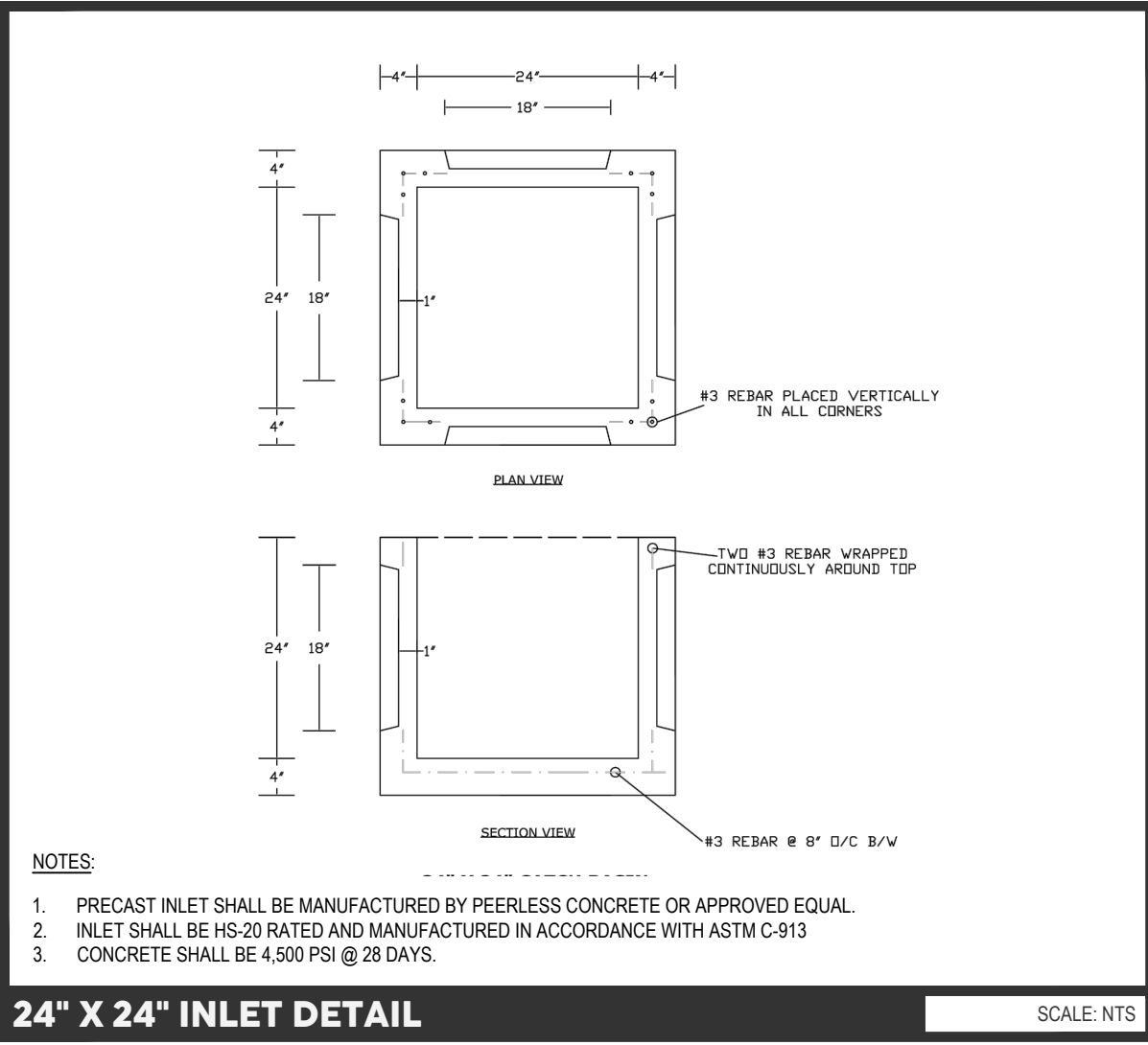
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DESIGN LLC

drawn by jam date 02.01.2022
checked by jam scale 1" = 10'

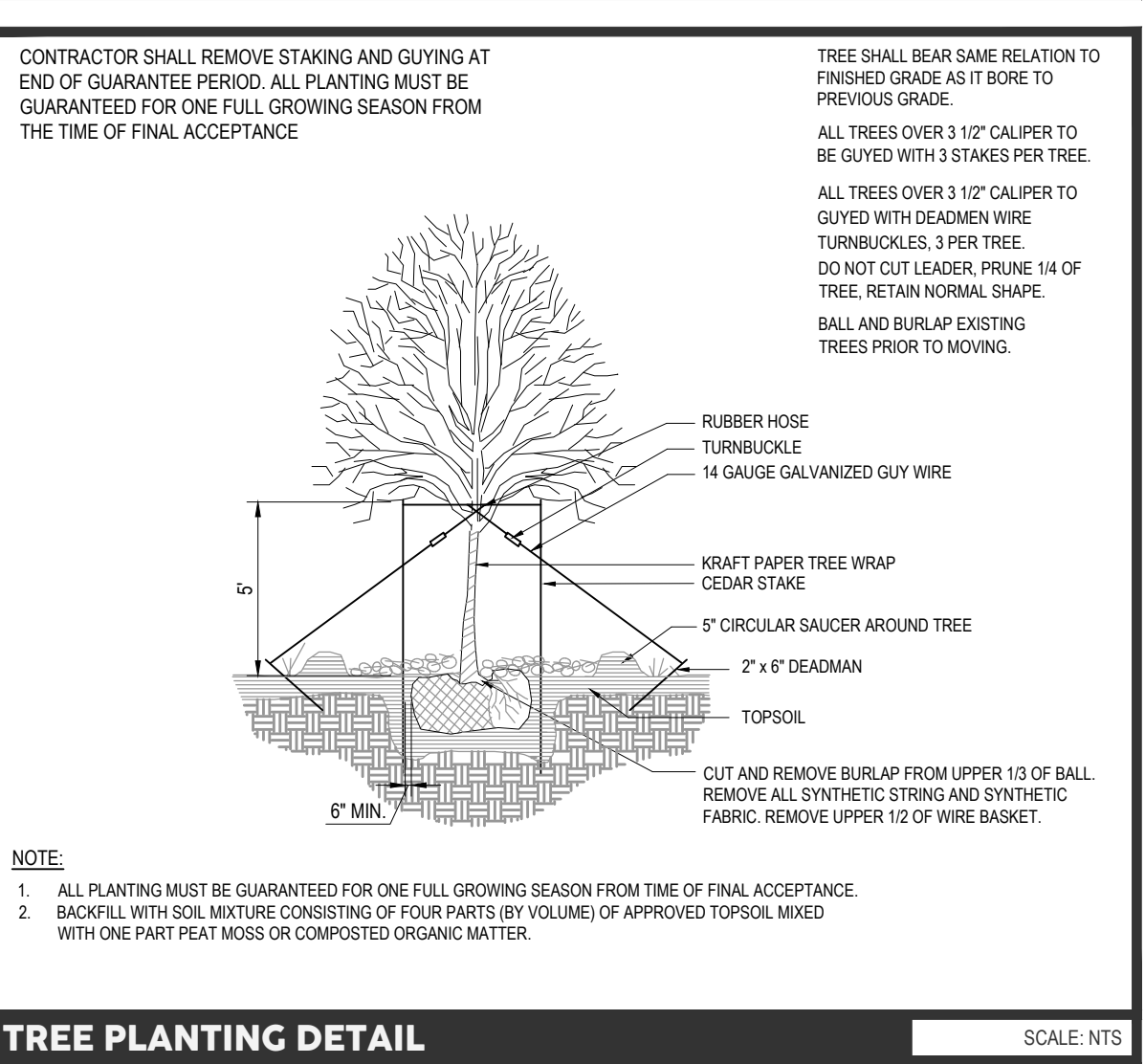
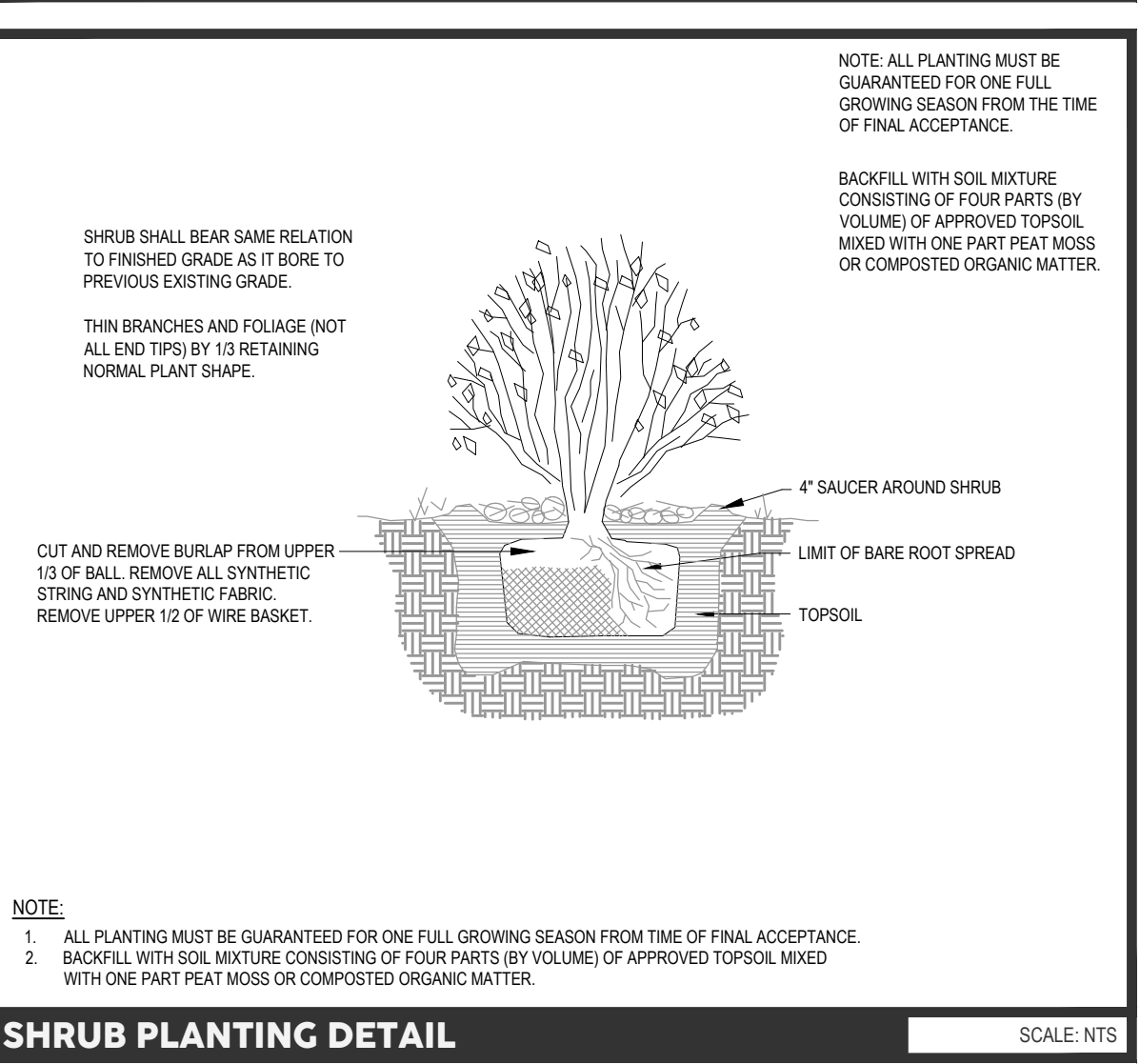
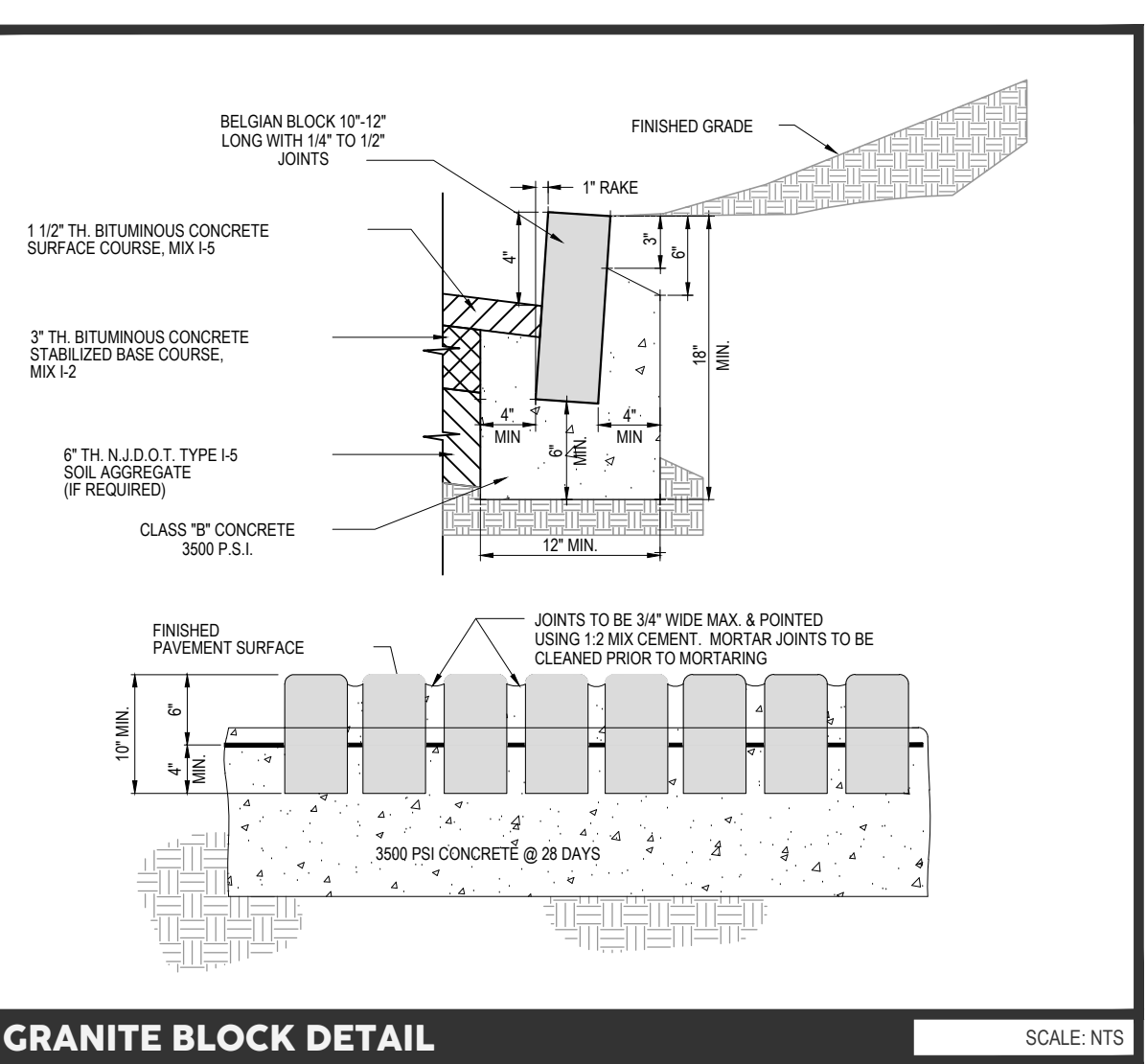
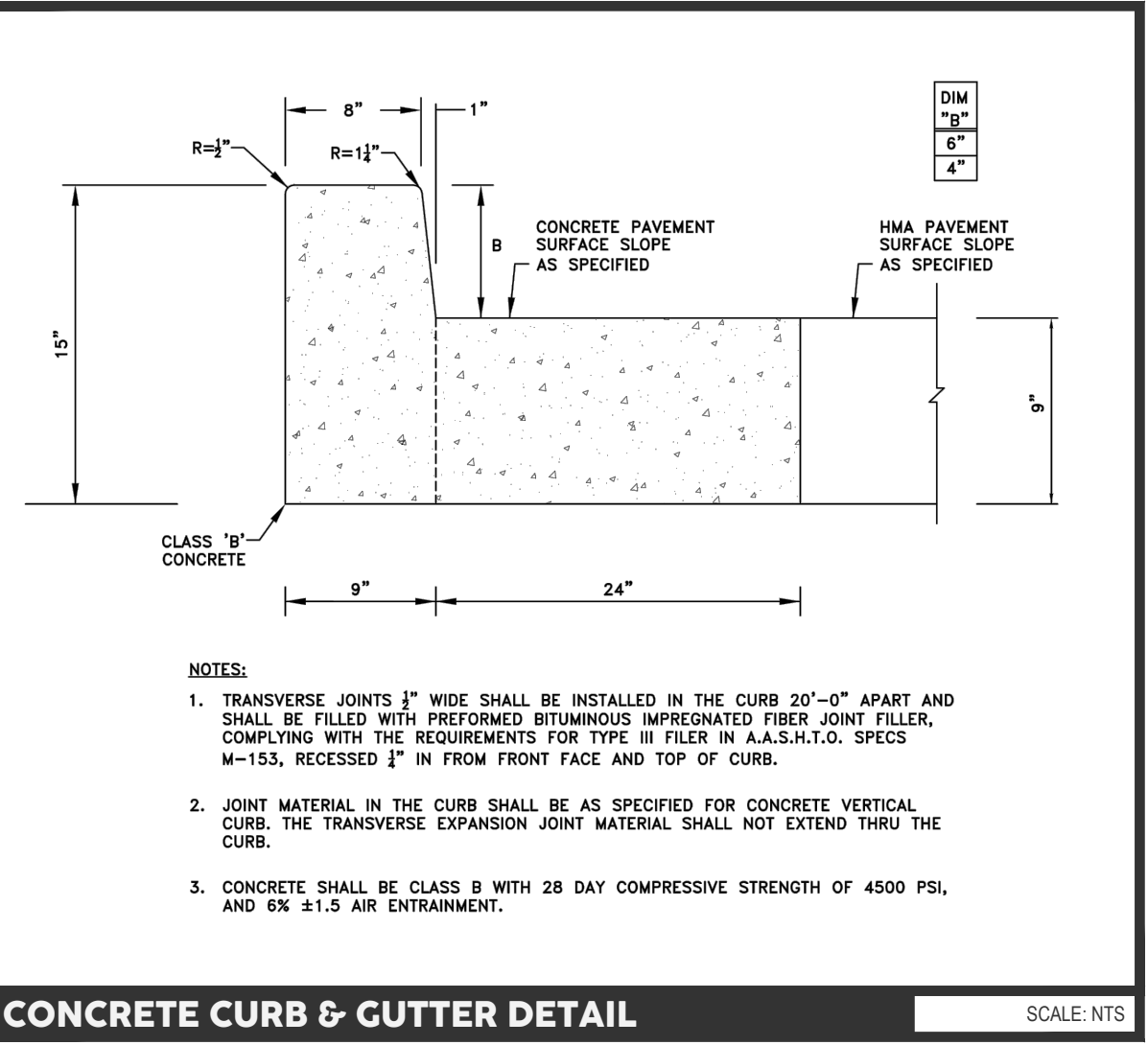
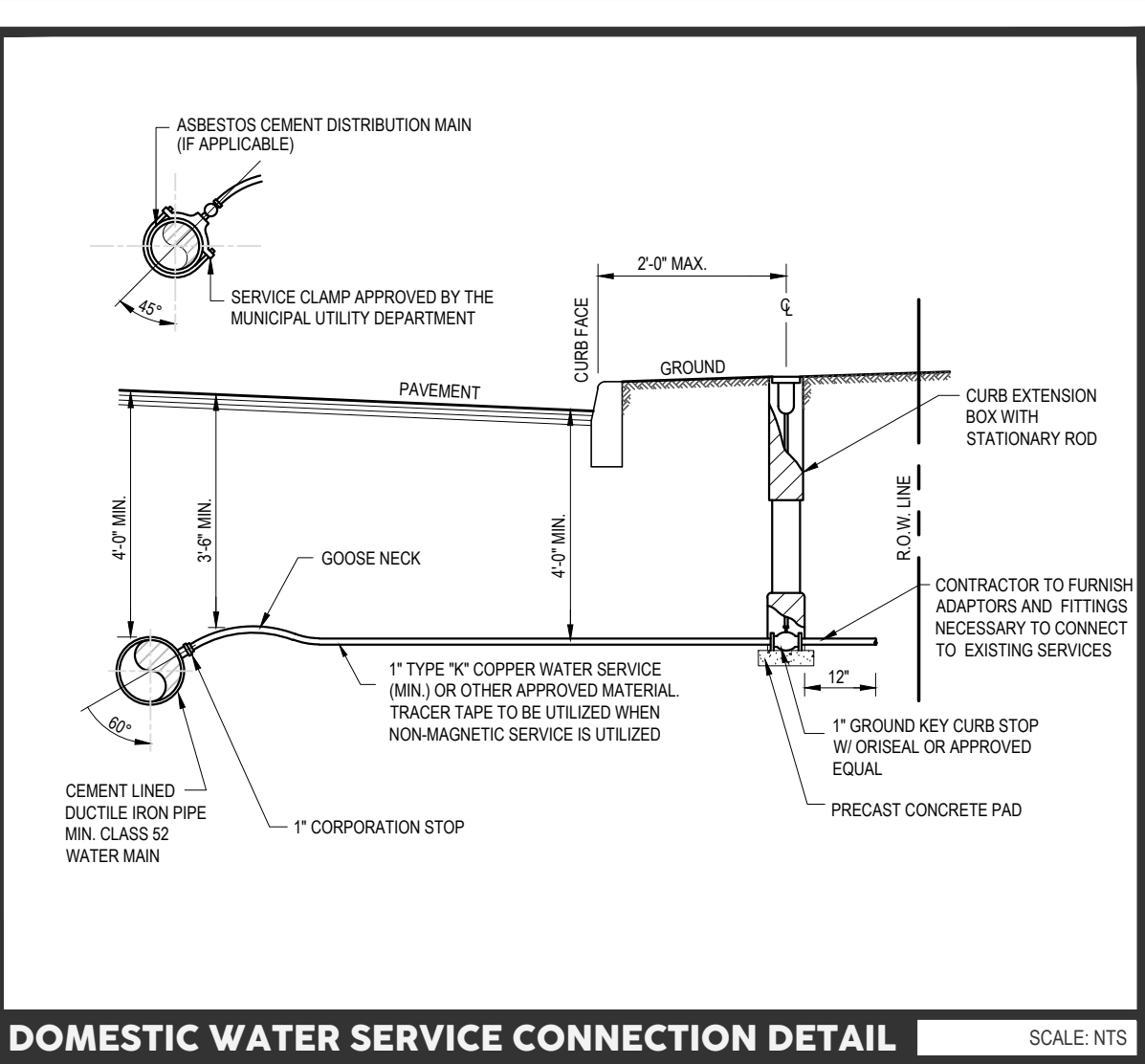
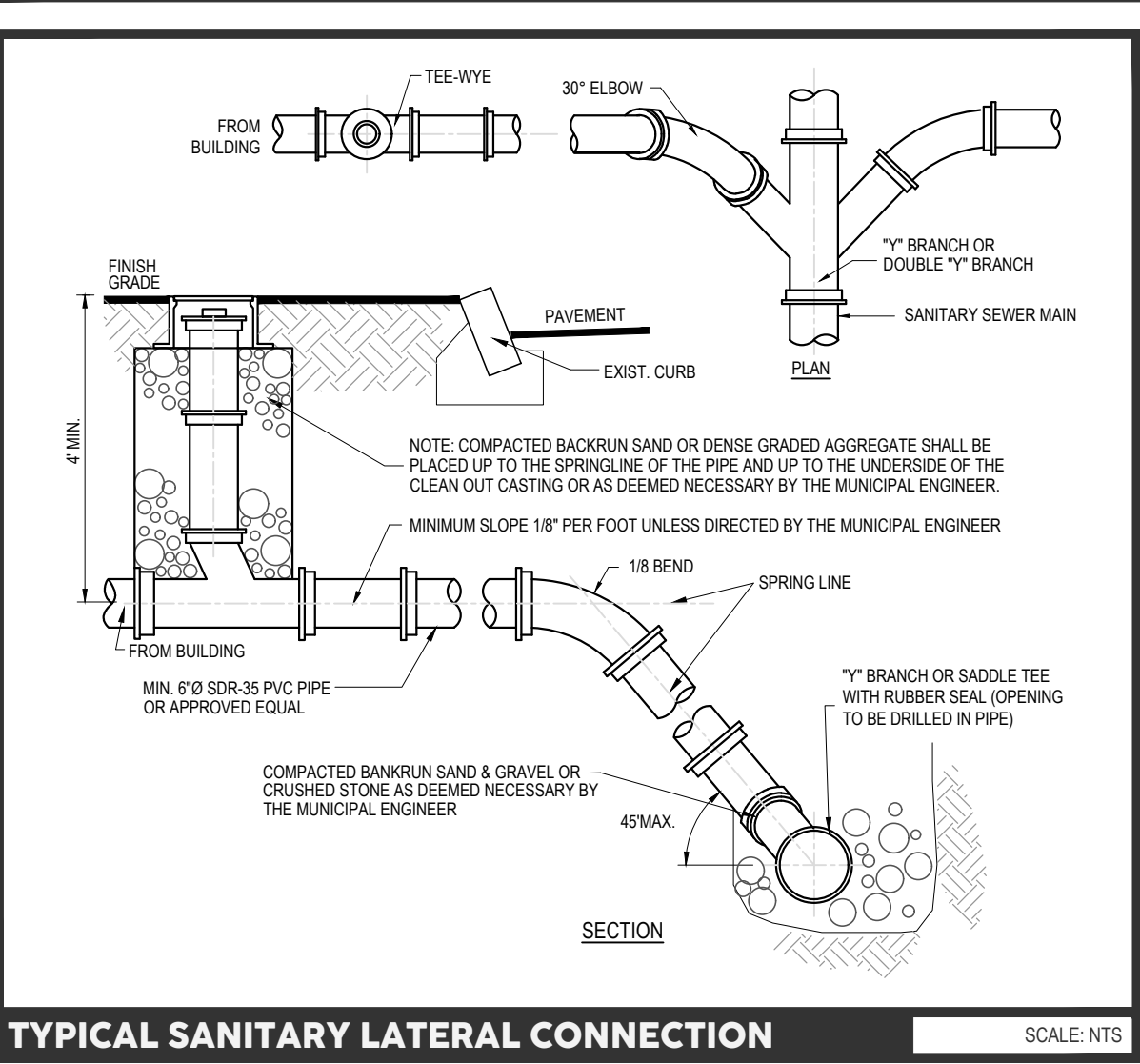
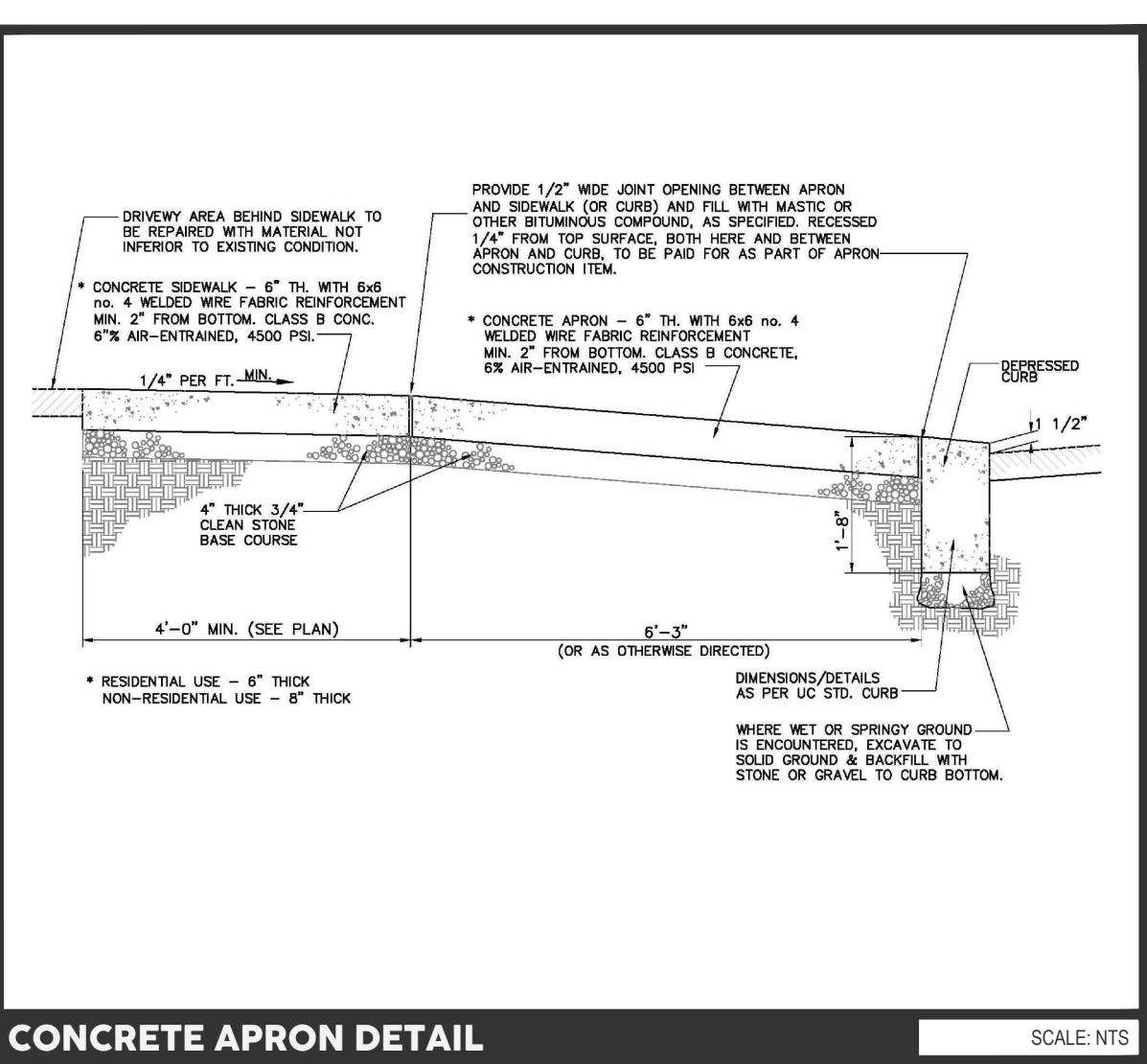
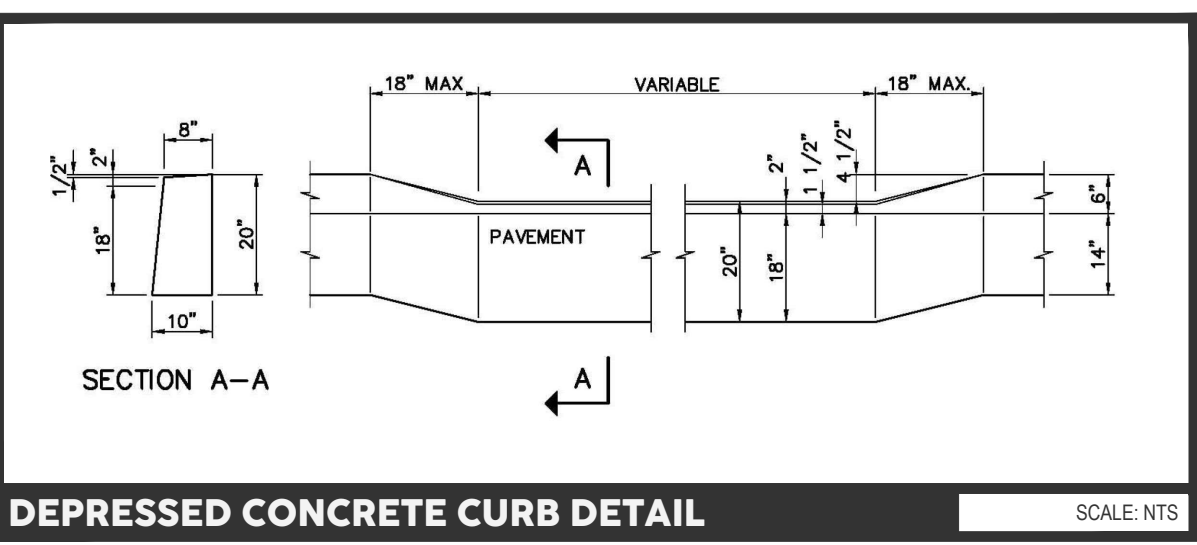
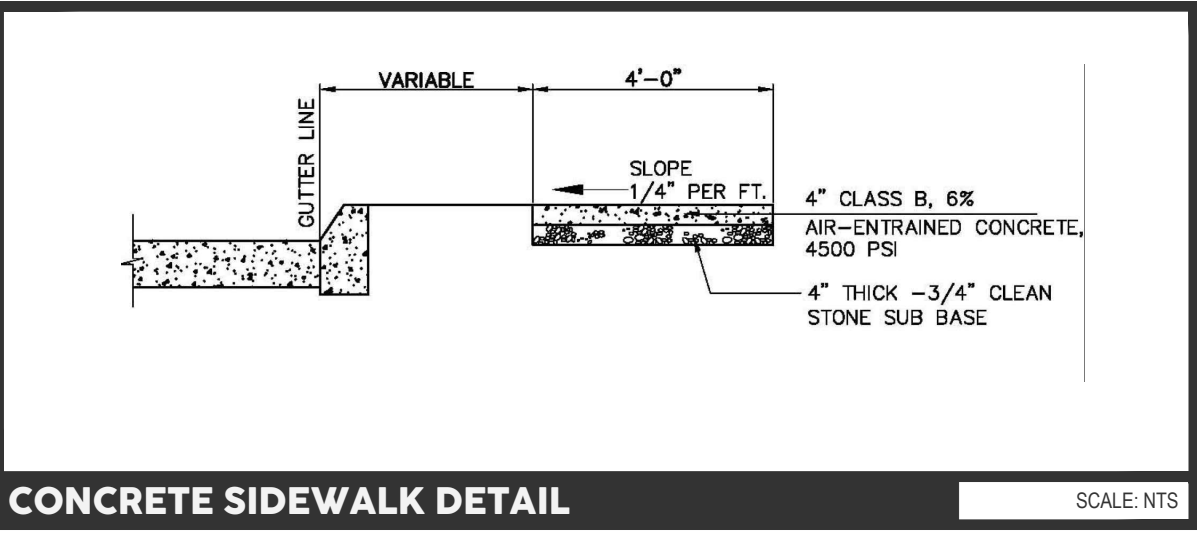
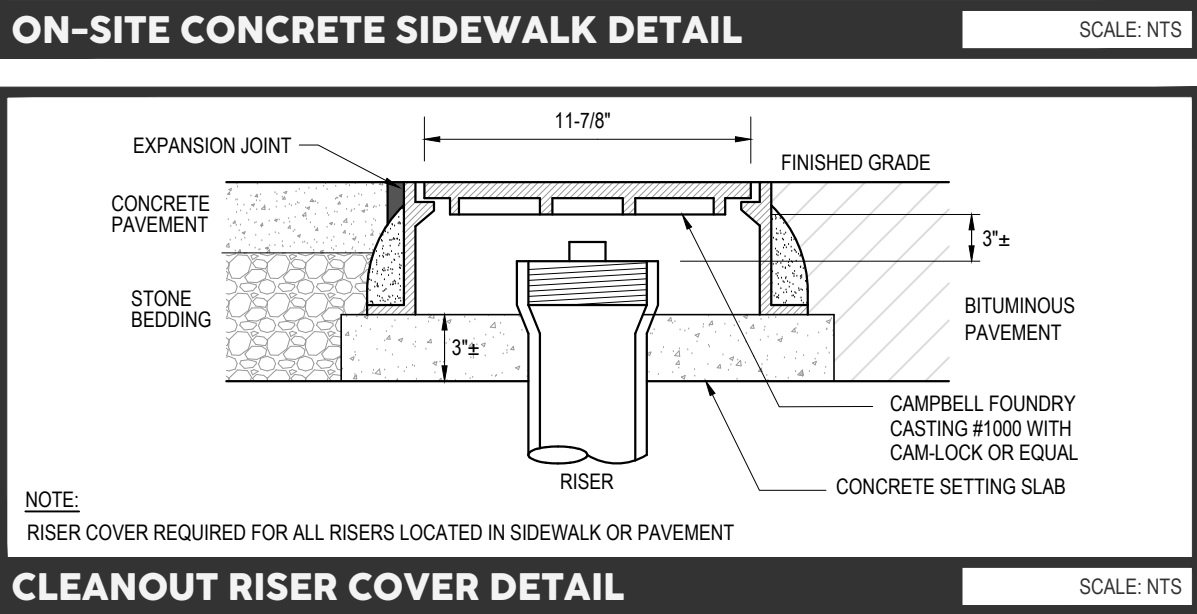
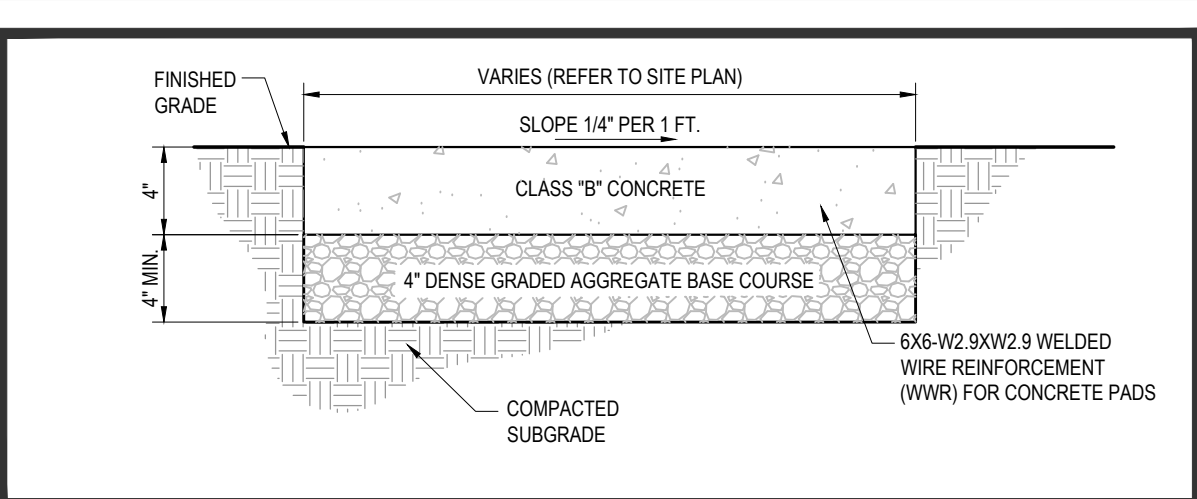
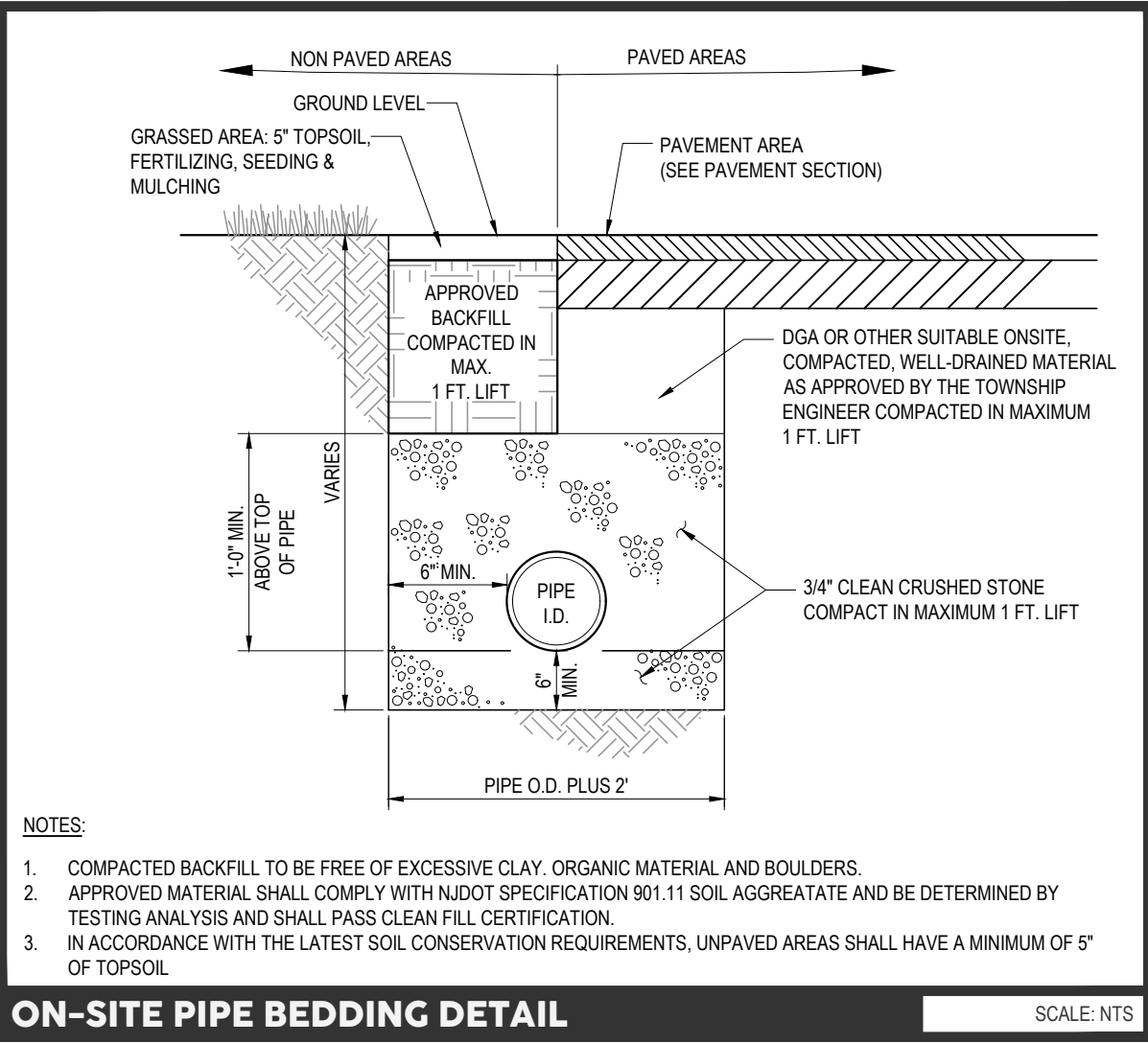
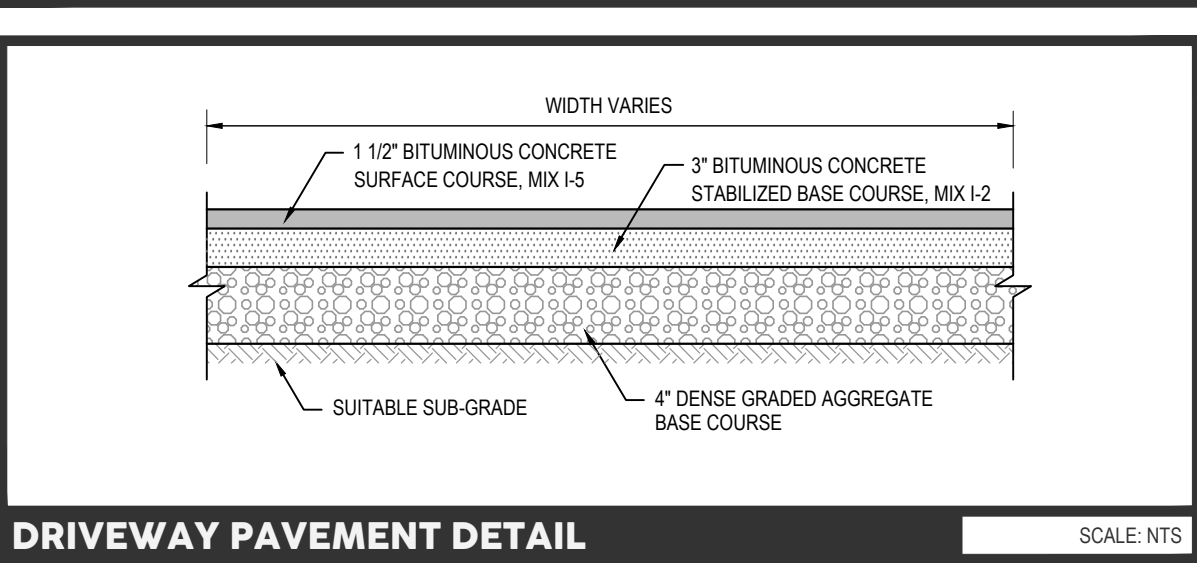
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NOTE:
THE DEVELOPER SHALL PROVIDE SOIL PERMEABILITY TESTS FOR EACH DRYWELL THAT DEMONSTRATES THAT THE DRYWELL WILL DRAIN WITHIN 72 HOURS AFTER A RAINFALL AND ALSO DETERMINE THE SEASONAL GROUNDWATER TABLE ELEVATION WITH A MINIMUM VERTICAL DISTANCE OF TWO (2) FEET FROM BASE OF DRYWELL SYSTEM TO SEASONAL HIGH GROUNDWATER. THESE TESTS SHALL BE CONDUCTED AND APPROVED PRIOR TO THE COMMENCEMENT OF THIS PROJECT.



revisions		
01.	05.20.2022	revised per completeness letter
02.	07.19.2022	general revisions

