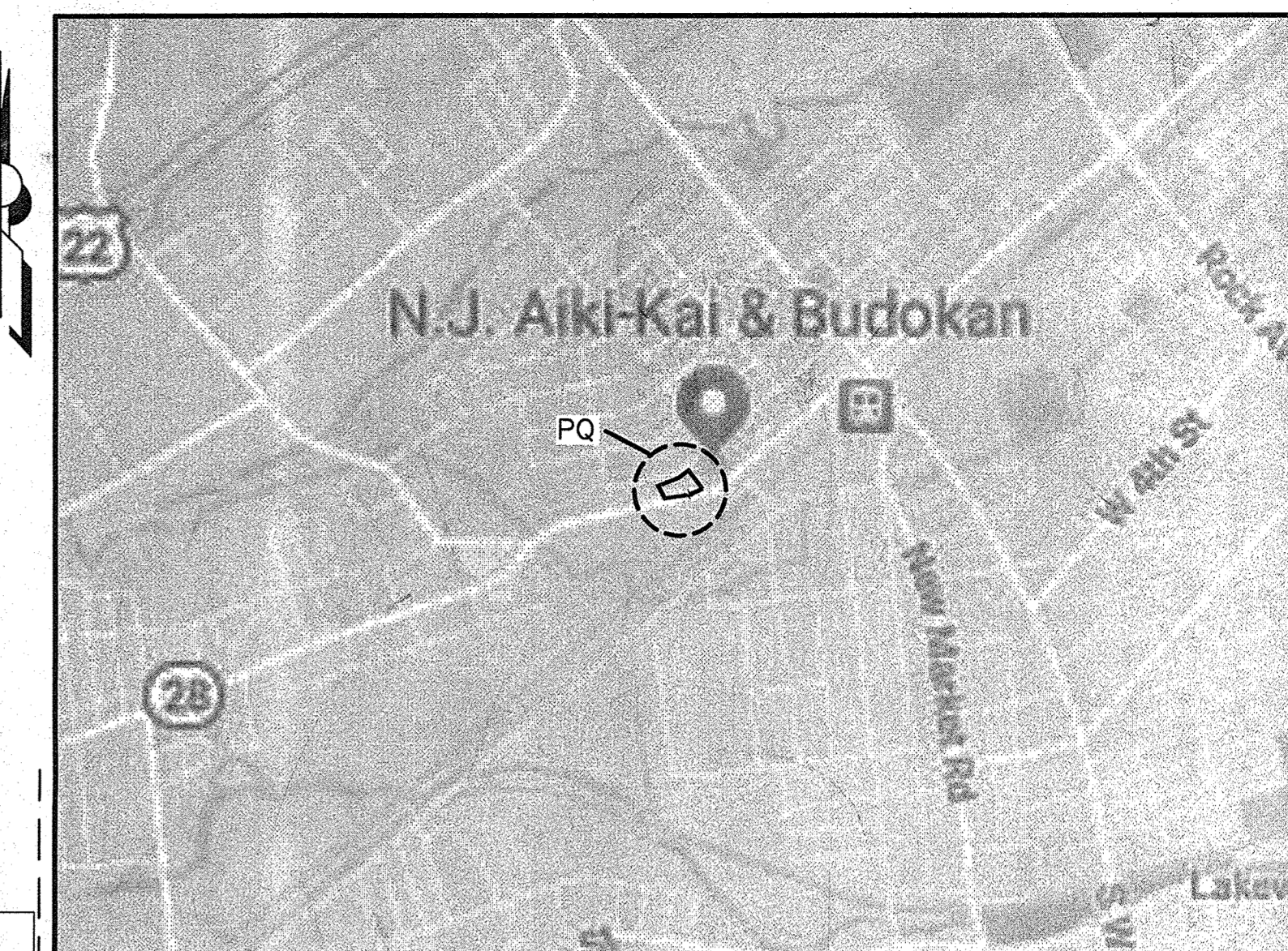


U.S.G.S. MAP
SCALE: 1" = 2,000'



KEY MAP
SCALE: 1" = 1,000'

PRELIMINARY & FINAL SITE PLAN

FOR

BLOCK 34: LOTS 31, 32, 33 & 34

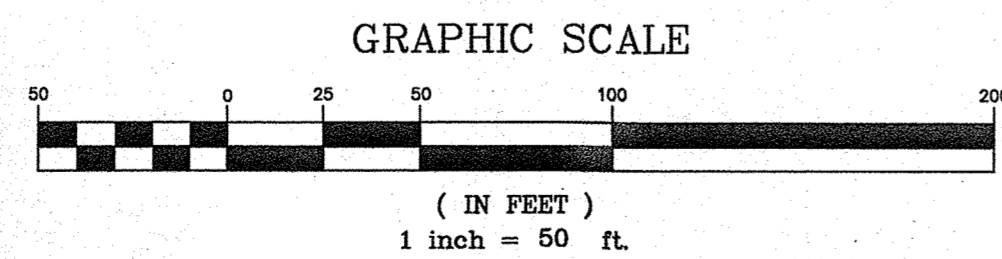
TAX MAP SHEET 9

BOROUGH OF DUNELLEN

MIDDLESEX COUNTY, NEW JERSEY

PROPERTY OWNERS WITHIN 200'
(AS CERTIFIED BY BOROUGH OF DUNELLEN TAX ASSESSOR 10/30/18)

Block	Lot	Owner	Block	Lot	Owner
34	38.02	CHELSEA BUILDERS LLC 31 TENNYSON PL EDISON, NJ 08820	34	4	DHOKA, S & MOUSTAFA, T M & MOTIANI, R 519 TELA DR PARLIN, NJ 08859
34	38.01	WEISS, ALFRED J 61 STRATFORD RD TINTON FALLS, NJ 07724	34	3	ST NICHOLAS GREEK CATHOLIC CHURCH 117-119 MADISON AVE DUNELLEN, NJ 08812
34	38	REIDY, MICHAEL L 500 NORTH AVE DUNELLEN, NJ 08812	34	2	ST NICHOLAS GREEK CATHOLIC CHURCH 117-119 MADISON AVE DUNELLEN, NJ 08812
34	37	KIRCHOFER, MAURICE & SCALAMONI P.O. BOX 861 GREEN BROOK, NJ 08812	34	1	ST NICHOLAS GREEK CATHOLIC CHURCH 117-119 MADISON AVE DUNELLEN, NJ 08812
34	36	ZUPKO, PAMELA J 309 SCHWARTZ PL DUNELLEN, NJ 08812	50	6	A & M GARDENS, INC. P.O. BOX 228 RAHWAY, NJ 07065
34	35	OLSZYK, CAROL 516 NORTH AVE DUNELLEN, NJ 08812	50	5	RAK, RICHARD & CHRISTINE 2347 WICKFORD RD UNION, NJ 07083
34	30	CALABRESSE, ROBERT 94 BURNHAM DRIVE FORDS, NJ 08863	50	4	RAK, RICHARD & CHRISTINE 2347 WICKFORD RD UNION, NJ 07083
34	29	DUNELLEN DEVELOPMENT LLC 328 WARRENVILLE RD GREEN BROOK, NJ 08812	50	3	BUCCELLATO, JEFFREY & MARIA-TRUSTEES 313 BEECHWOOD AVENUE MIDDLESEX, NJ 08846
34	13	ARDON, LUIS A & GOMERO, GRACIELA A 615 FRONT ST DUNELLEN, NJ 08812	50	2	NOVKOVIC, JOHN R. & DOBRIVIER 501 NORTH AVE DUNELLEN, NJ 08812
34	12	VALENCIA, CESAR P & DIANE D-TRUSTEES 3 RACHEL TERR PISCATAWAY, NJ 08854	50	1	TOP SEED RUB REALTY LLC 160 LIBERTY ST STE 3B METUCHEN, NJ 08840
34	11	SAMAYDA, DILAN J & MENENDEZ, C E & Z M 603 FRONT ST DUNELLEN, NJ 08812	49	27.01	GUIDICCI, MARIO 505 16TH AVENUE BELMAR, NJ 07719-3004
34	10.02	LEWIS, JR., JAMES & DIANNE 601 FRONT ST DUNELLEN, NJ 08812	49	26	BARTA, LASZLO 857 COUNTY CLUB ROAD BROOKSWATER, NJ 08807
34	10.01	RODOUSSAKIS, GEORGE 604 BOUND BROOK RD DUNELLEN, NJ 08812	49	25	BUILDING 601 LLC 601 BOUND BROOK RD DUNELLEN, NJ 08812
34	9	VAIL, JONATHAN & PAMELA & HEATHER 535 FRONT ST DUNELLEN, NJ 08812	49	1	GONNELLA, FRANCESCO 208 HILLSIDE AVE SPRINGFIELD, NJ 07081
34	8	529 FRONT DUN LLC 529 FRONT ST PISCATAWAY, NJ 08854	35	31	MIRANDA, DAVID & BAQUERO, CRISTINA 522 FRONT ST DUNELLEN, NJ 08812
34	7	RIVERS, DANIEL & JAMIE 527 FRONT ST DUNELLEN, NJ 08812	35	30	GOLDEN, ANDREW S 528 FRONT ST DUNELLEN, NJ 08812
34	6	SHIMINSKY, MICHAEL & HOFFMAN, JESSICA 525 FRONT ST DUNELLEN, NJ 08812	35	29	MEYER, PETER G. & KATHLEEN B. 532 FRONT ST DUNELLEN, NJ 08812
34	5	FOJTLIN, RONALD 523 FRONT ST DUNELLEN, NJ 08812	35	28	RINKENS, ELFRIEDE J 608 FRONT ST DUNELLEN, NJ 08812



EXISTING CONDITIONS
SCALE: 1" = 50'

LIST OF DRAWINGS

- 1 COVER SHEET
- 2 SITE DIMENSION PLAN
- 3 GRADING/SOIL EROSION & SEDIMENT CONTROL PLAN
- 4 UTILITY PLAN
- 5 LANDSCAPING PLAN
- 6 UTILITY PROFILE & CONSTRUCTION DETAILS

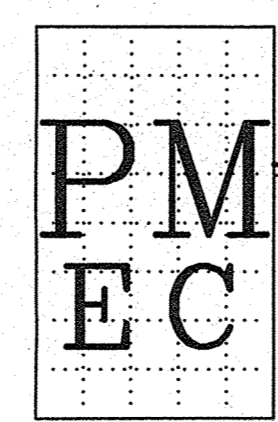
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- GENERAL REFERENCES/NOTES:
1. THE SUBJECT PROPERTY IS IDENTIFIED AS TAX LOTS 31, 32, 33, & 34 IN BLOCK 34 AS SHOWN ON BOROUGH OF DUNELLEN TAX MAP 9 AND CONSISTS OF 0.63 ACRES.
 2. EXISTING TOPOGRAPHY, BOUNDARY & IMPROVEMENTS FOR LOTS 31, 32, 33, & 34 ACQUIRED FROM A TOPOGRAPHIC SURVEY PREPARED BY JAMES P. DEADY SURVEYOR, LLC, DATED 05/10/18.
 3. EXISTING PHYSICAL FEATURES AND IMPROVEMENTS ON ADJACENT LOTS ARE BASED ON 2015 AERIAL PHOTOGRAPHY (LOCATIONS ARE APPROXIMATE).
 4. ADJACENT LOT LINES ACQUIRED FROM G.I.S. AND TAX MAP INFORMATION.

APPROVED BY THE BOROUGH OF DUNELLEN PLANNING BOARD

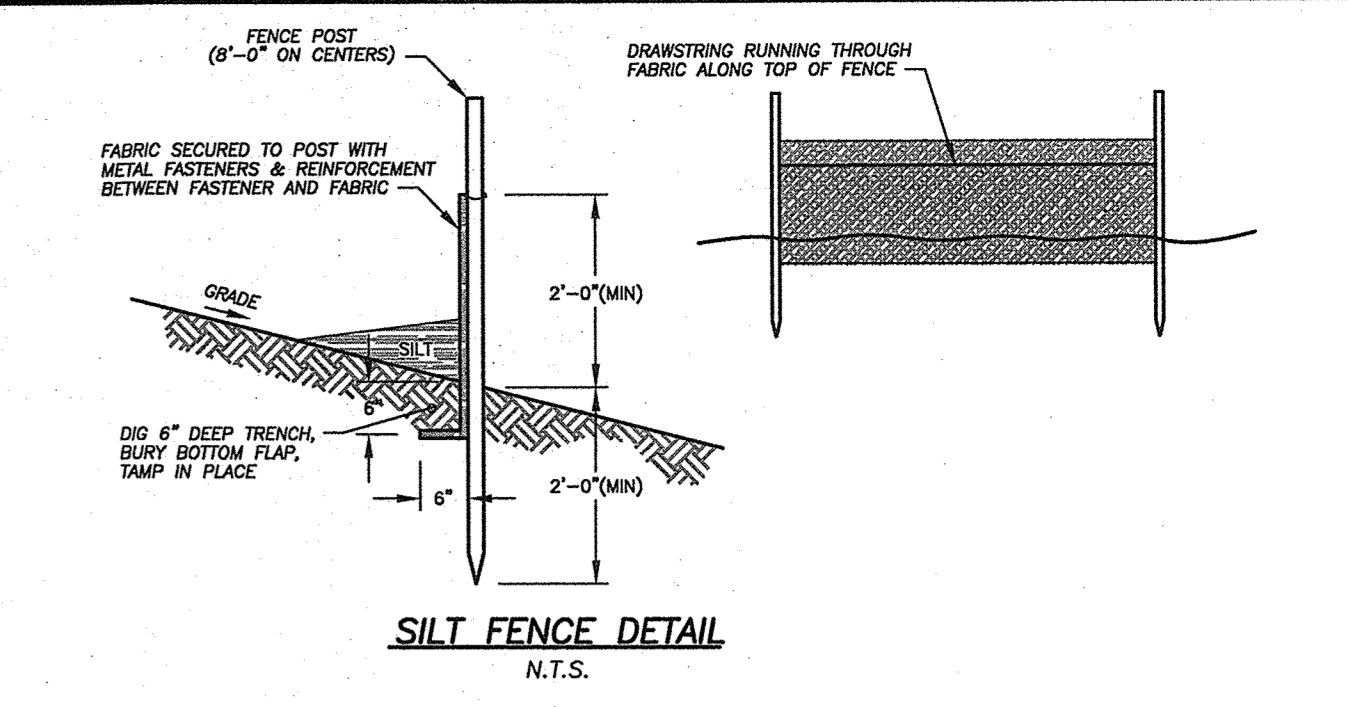
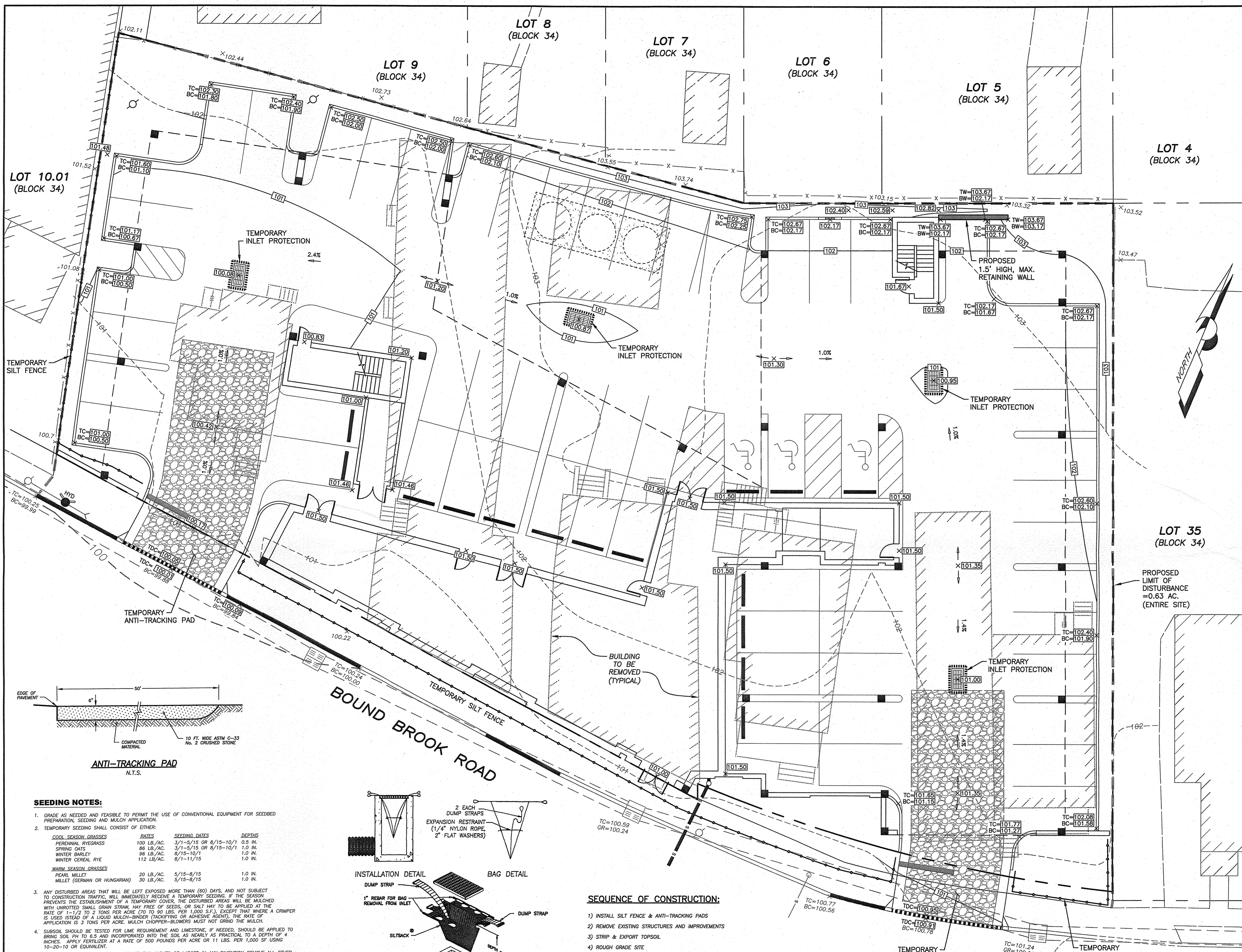
PLANNING BOARD CHAIRMAN _____ DATE _____

PLANNING BOARD SECRETARY _____ DATE _____



PLANS PREPARED BY:
PAGE-MUELLER ENGINEERING CONSULTANTS, PC
POST OFFICE BOX 4619
WARREN, NEW JERSEY 07059
(732) 805 - 3979 * FAX (732) 805 - 3978
APRIL 8, 2019

APPLICANT/OWNER
528 NORTH AVENUE, LLC
c/o BRIAN KATZ
85 RARITAN AVENUE, SUITE 125
HIGHLAND PARK, NJ 08904



- SOIL EROSION AND SEDIMENT CONTROL NOTES**
- The Freehold Soil Conservation District shall be notified forty-eight (48) hours in advance of any soil disturbing activity.
 - 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.
 - 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 1/2 tons per acre, according to the Standard for Stabilization with Mulch Only.
 - Immediately following initial disturbance or rough grading, all critical areas subject to erosion (i.e. soil 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.
 - 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 access 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.
 - All soil washed, dropped, spilled, or tracked outside the limit of disturbance or onto public right-of-ways will be removed immediately.
 - Permanent vegetation is to be seeded or sodded on all exposed areas within ten (10) days after final grading.
 - 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.
 - 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.
 - Conduit Outlet Protection must be installed at all required outfalls prior to the drainage system becoming operational.
 - 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.
 - Should the control of dust at the site be necessary, the site will be sprinkled until the surface is wet, temporary vegetative cover shall be established or mulch shall be applied as required by the Standard for Dust Control.
 - 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.
 - The project 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.

Freehold Soil Conservation District
 4000 Koszloski Road, Freehold, NJ 07728-5033, (732) 683-8500, fax (732) 683-9140, Email: info@freeholdscd.org

STANDARD FOR DUST CONTROL

DEFINITION	PURPOSE
THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.	TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON- AND OFF-SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.
WHERE APPLICABLE	THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON- AND OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT. CONSULT WITH LOCAL MUNICIPAL ORDINANCES ON ANY RESTRICTIONS.
WATER QUALITY ENHANCEMENT	SEDIMENTS DEPOSITED AS "DUST" ARE OFTEN FINE COLLOIDAL MATERIAL WHICH IS EXTREMELY DIFFICULT TO REMOVE FROM CONSTRUCTION SITES AND SUBSEQUENT BLOWING AND DEPOSITION INTO LOCAL SURFACE WATER RESOURCES.
PLANNING CRITERIA	THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST: MULCHES - SEE STANDARDS FOR STABILIZATION WITH MULCHES ONLY (p. 5-1). VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER (p. 7-1). PERMANENT VEGETATIVE COVER (p. 4-1), AND PERMANENT STABILIZATION WITH SOG (p. 6-1). SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

WATER DILUTION	TYPE OF NOZZLE	APPLY GALLON/ACRE
ANIONIC ASPHALT EMULSION	7:1 COARSE SPRAY	1,200
	12:1 FINE SPRAY	235
	4:1 FINE SPRAY	500
POLYACRYLAMIDE (PAM) - SPRAY ON	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY BE USED AS AN ADHESIVE TO STABILIZE GRAVEL.	
POLYACRYLAMIDE (PAM) - DRY SPREAD	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. SEE STANDARD FOR STABILIZATION WITH MULCHES, p. 5-1.	
	NONE COARSE SPRAY	1,200

ILLAGE - 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. CHisel-TYPE PLOWING SPACED ABOUT 12 INCHES APART, AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

SEEDING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.

BARBERS - 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 FEED THROUGH SPREADERS AT A RATE THAT WILL KEEP SURFACE MOSTLY WET. KEEP SURFACE MOSTLY WET TO PREVENT POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS.

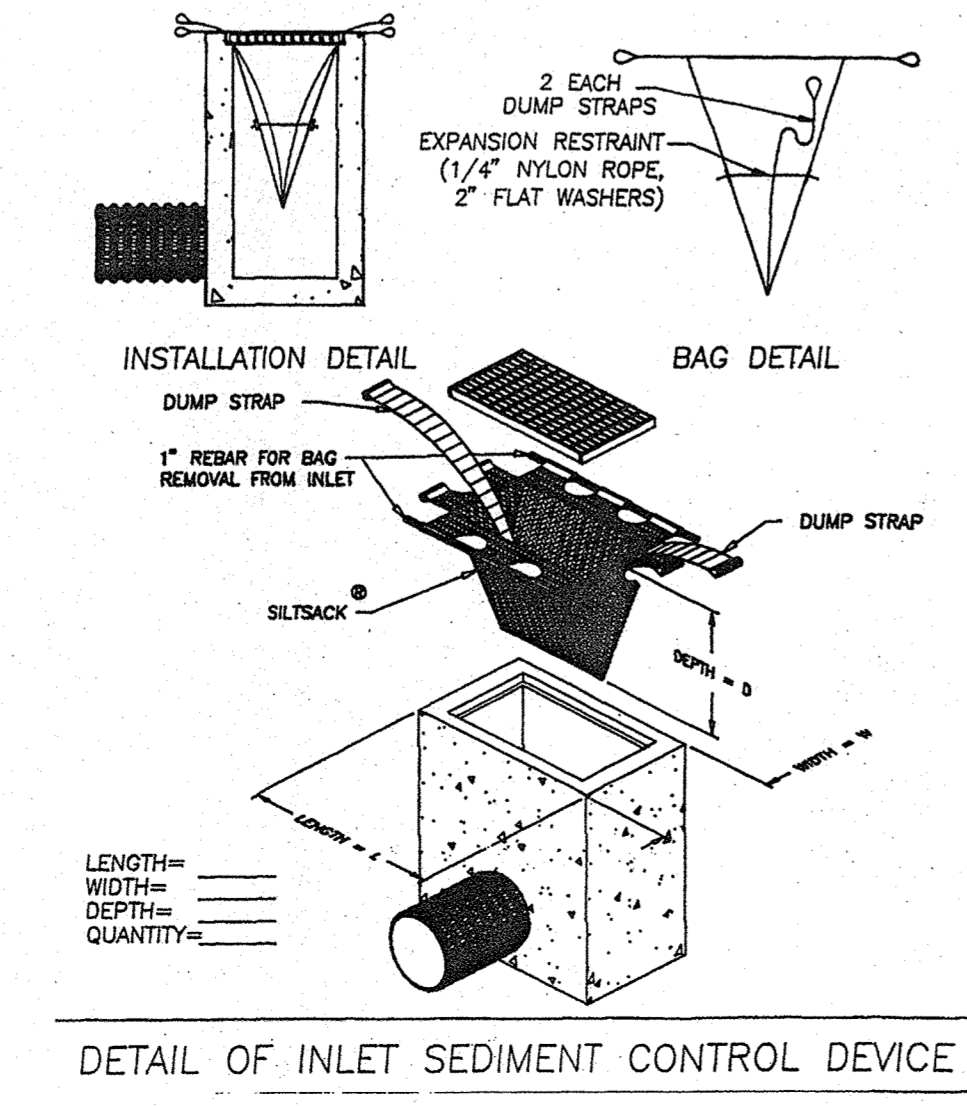
STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

NOTE - DUST CONTROL DURING CONSTRUCTION WILL BE ACCOMPLISHED BY THE UTILIZATION OF SPRAYED WATER.

- SEEDING NOTES:**
- GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING AND MULCH APPLICATION.
 - TEMPORARY SEEDING SHALL CONSIST OF EITHER:

COLD SEASON GRASSES	RATES	SEEDING DATES	DEPTH
PERENNIAL RYEGRASS	100 LB./AC.	3/1-5/15 OR 8/15-10/1	0.5 IN.
SPRING OATS	85 LB./AC.	3/1-5/15 OR 8/15-10/1	1.0 IN.
WINTER BARLEY	95 LB./AC.	8/15-10/1	1.0 IN.
WINTER CEREAL RYE	112 LB./AC.	8/1-11/15	1.0 IN.
 - ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN (60) 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 UNROTTED SMALL GRASS STRAW, FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS. PER 1,000 S.F.), EXCEPT THAT WHERE A CRUMPER IS USED INSTEAD OF A LIQUID MULCH-SPREADER (CRUMPER OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH.
 - SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENT AND LIMESTONE, IF NEEDED, SHOULD BE APPLIED TO BRING SOIL PH TO 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES. APPLY FERTILIZER AT A RATE OF 500 POUNDS PER ACRE OR 11 LBS. PER 1,000 SF USING 20-20-10 OR EQUIVALENT.
 - REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, LUMPS OR ANY OTHER UNSUITABLE MATERIAL.
 - PERMANENT GROUND COVER OF SODDING OR SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE OR APPROVED EQUAL:

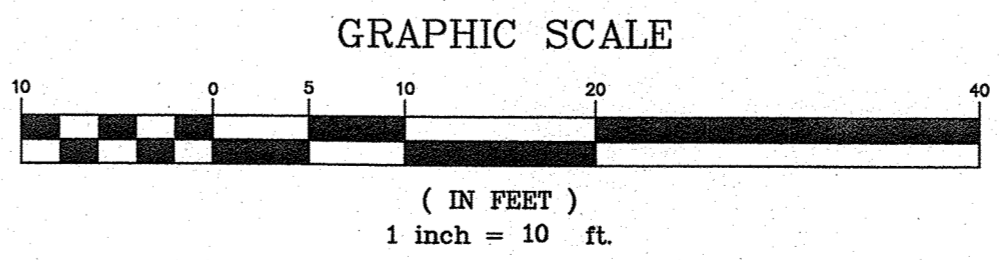
HARD FESCUE	175 LBS./AC.
CREeping FESCUE	175 LBS./AC.
PERENNIAL RYEGRASS	45 LBS./AC.
 - THE SEEDING SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG. MULCHING IS REQUIRED ON ALL SEEDING.
 - TACKING SHALL BE PERFORMED AS PER FREEHOLD SOIL CONSERVATION DISTRICT CURRENT STANDARDS. ASPHALT TACKIFIERS ARE NOT ACCEPTABLE.



- SEQUENCE OF CONSTRUCTION:**
- INSTALL SILT FENCE & ANTI-TRACKING PADS
 - REMOVE EXISTING STRUCTURES AND IMPROVEMENTS
 - STRIP & EXPORT TOPSOIL
 - ROUGH GRADE SITE
 - BEGIN BUILDING CONSTRUCTION
 - COMPLETE BUILDING CONSTRUCTION
 - SURFACE DRIVEWAYS/PARKING
 - PERMANENTLY STABILIZE ALL DISTURBED AREAS
 - UPON COMPLETION OF CONSTRUCTION, REMOVE ALL SOIL EROSION CONTROL DEVICES.

GENERAL NOTE:

- AS SHOWN ON THE MIDDLESEX COUNTY POLICY MAP OF THE NEW JERSEY STATE DEVELOPMENT AND REDEVELOPMENT PLAN, THE SUBJECT PROPERTY IS LOCATED IN THE METROPOLITAN PLANNING AREA AND HAS BEEN PREVIOUSLY DEVELOPED. THEREFORE, THIS PROJECT IS EXEMPT FROM SOIL RESTORATION REQUIREMENTS PER URBAN REDEVELOPMENT AREA EXEMPTION.



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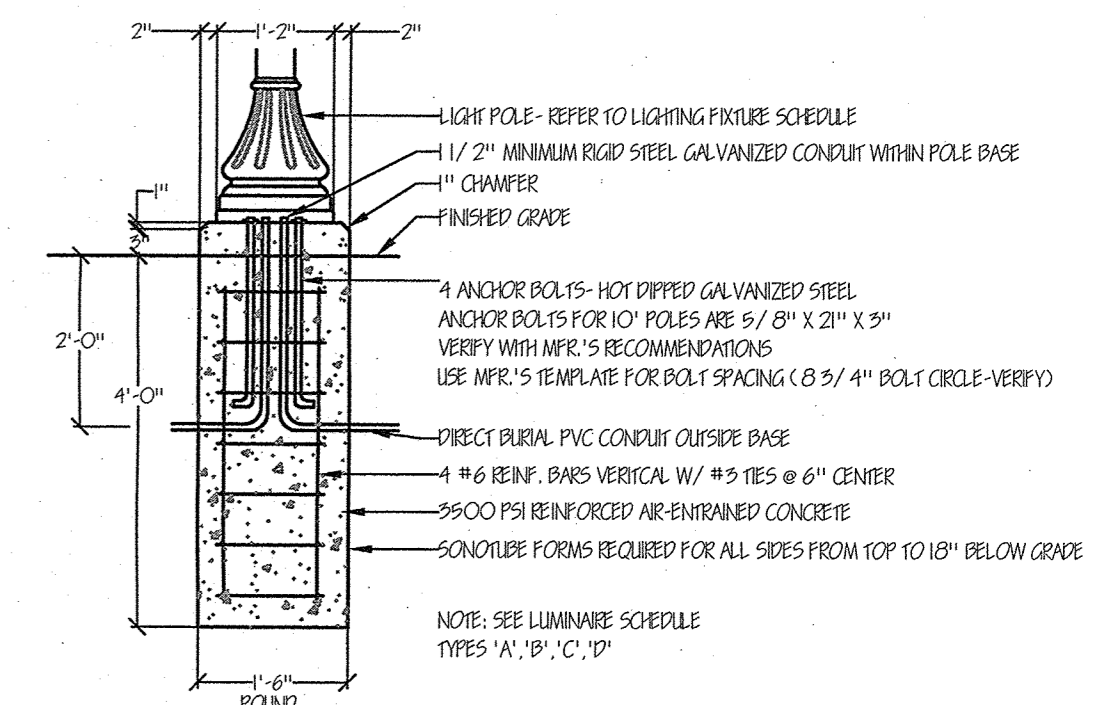
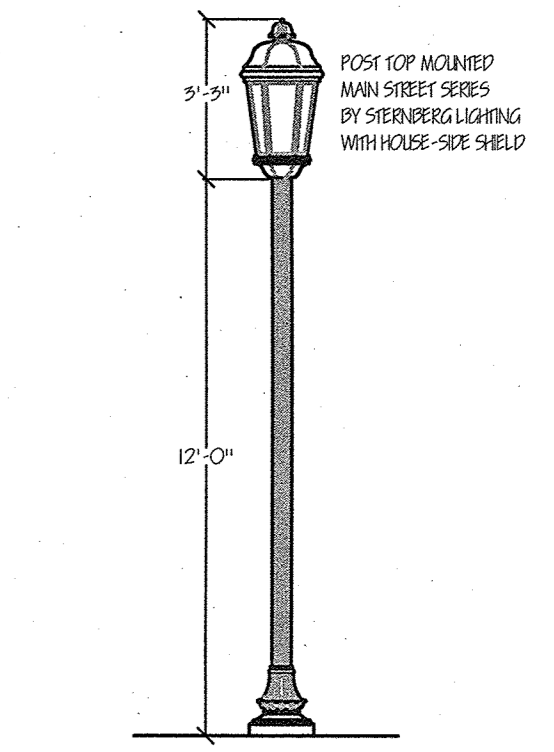
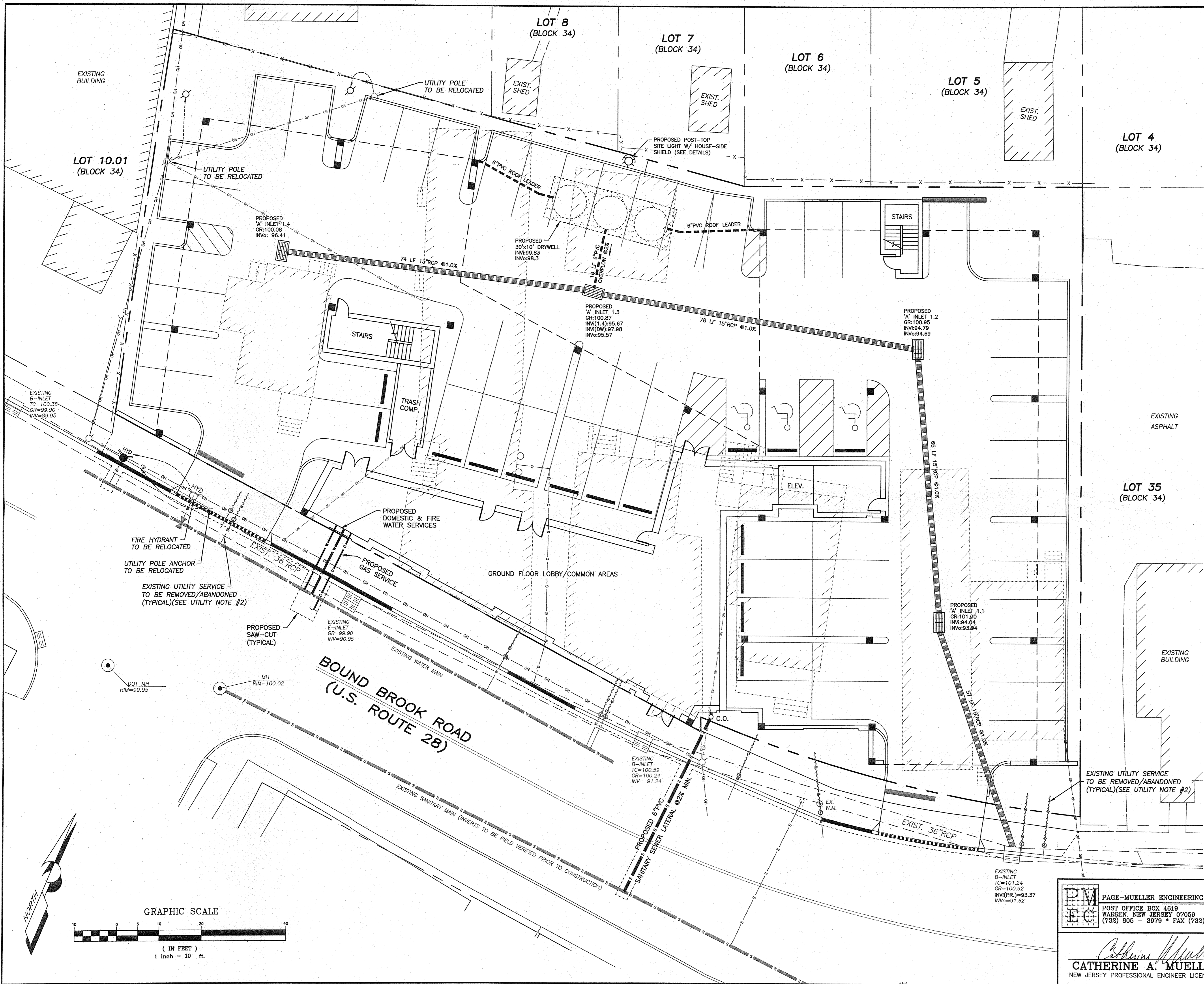
Catherine Mueller
CATHERINE A. MUELLER, P.E.
 NEW JERSEY PROFESSIONAL ENGINEER LICENSE No. GE44252

project name: **PRELIMINARY & FINAL SITE PLAN FOR 520-536 NORTH AVENUE BLOCK 34: LOTS 31-34 (TAX MAP SHEET 9)**
 DUNELLEN BOROUGH, MIDDLESEX COUNTY, NEW JERSEY

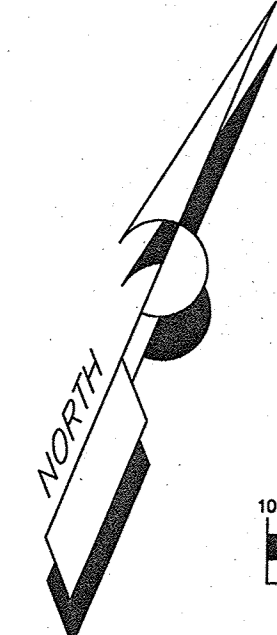
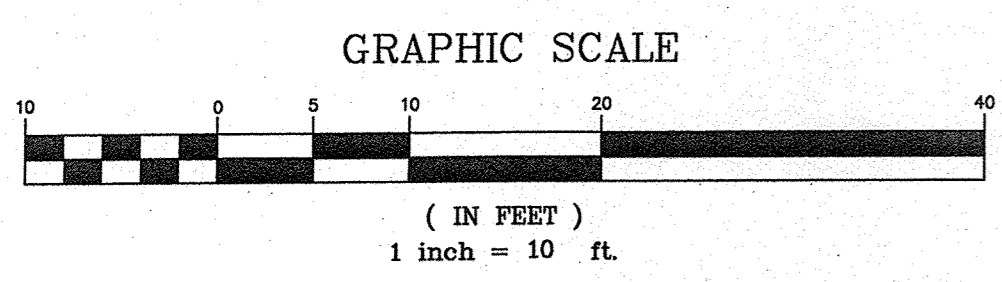
drawing name: **GRADING/SOIL EROSION & SEDIMENT CONTROL PLAN**

drawn by: **RW** checked by: **CAM** date: **4/8/19** scale: **1"=10'** project no.: **1985**

rw_1985_1985.dwg 1/8/85 design.dwg



- UTILITY NOTES:**
1. THE INFORMATION CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. ALL EXISTING UNDERGROUND UTILITIES ARE TO BE FIELD VERIFIED BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR SHALL COMPLY WITH THE NEW JERSEY ONE-CALL REGULATIONS BY CALLING 1-800-272-1000 AND PROVIDE THE MUNICIPALITY WITH THE CONFIRMATION NUMBER PROVIDED PRIOR TO COMMENCING EXCAVATION WORK.
 2. EXISTING UTILITY SERVICES TO BE REMOVED/ABANDONED PER N.J.D.O.T. & BOROUGH REQUIREMENTS.
 3. ALL TRAFFIC SIGNS TO CONFORM TO M.U.T.C.D. STANDARDS.
 4. PROPOSED BUILDING IS TO BE SERVICED BY PUBLIC SEWER AND WATER.
 5. ALL UTILITIES ARE TO BE UNDERGROUND.
 6. PROPOSED BUILDING TO BE SERVICED BY GRAVITY LATERAL TO THE EXISTING SANITARY SEWER.
 7. THE PROPOSED SANITARY SEWER TO BE SDR-35 PVC PIPE. LATERAL TO BE INSTALLED AT A MINIMUM SLOPE OF 2%.

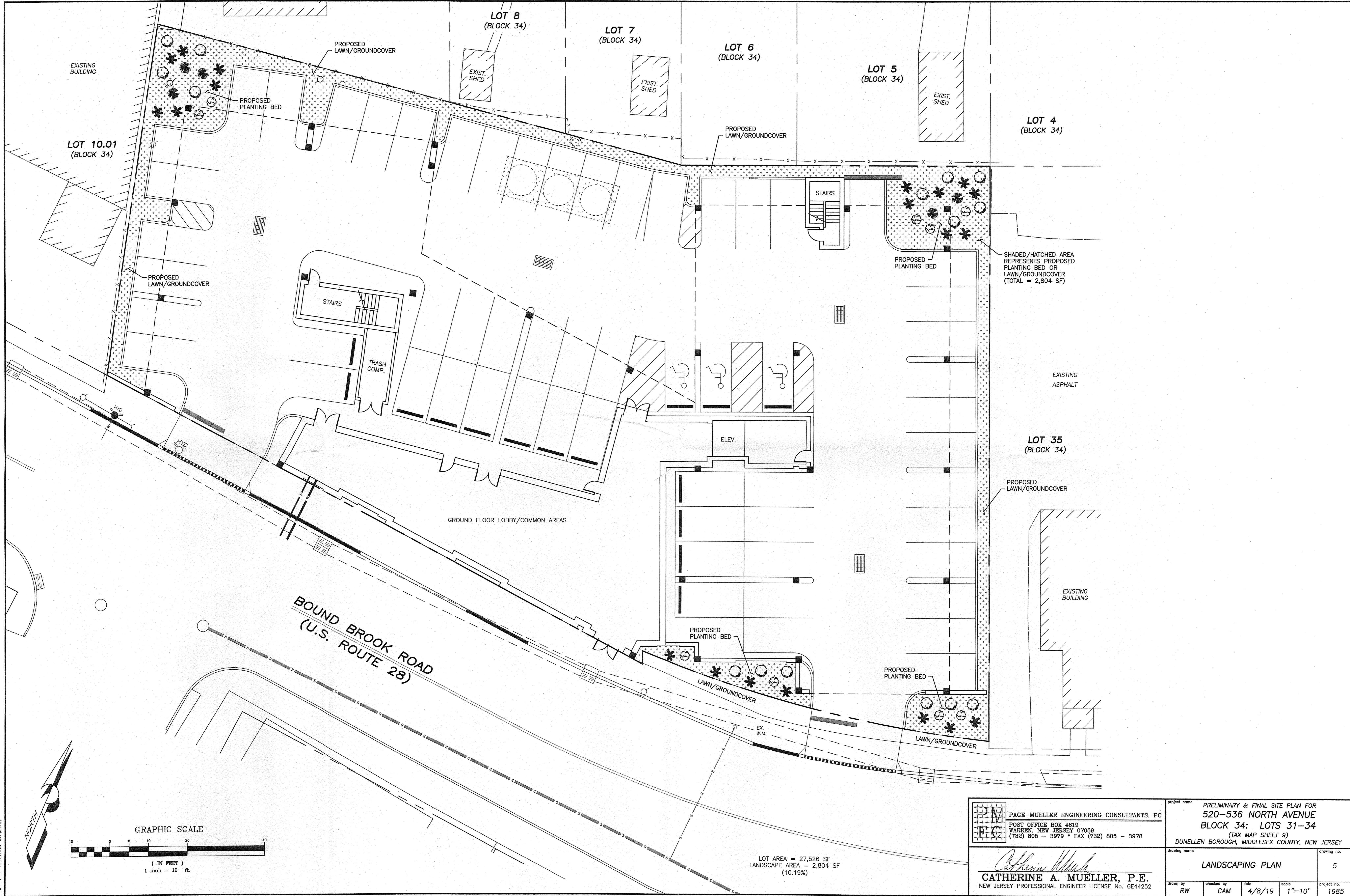


PM EC
 PAGE-MUELLER ENGINEERING CONSULTANTS, PC
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Catherine Mueller
CATHERINE A. MUELLER, P.E.
 NEW JERSEY PROFESSIONAL ENGINEER LICENSE No. GE44252

project name		PRELIMINARY & FINAL SITE PLAN FOR 520-536 NORTH AVENUE BLOCK 34: LOTS 31-34 (TAX MAP SHEET 9) DUNELLEN BOROUGH, MIDDLESEX COUNTY, NEW JERSEY	
drawing name		UTILITY PLAN	
drawn by	checked by	date	scale
RW	CAM	4/8/19	1"=10'
project no.			4
year			1985

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LOT 10.01
(BLOCK 34)

LOT 8
(BLOCK 34)

LOT 7
(BLOCK 34)

LOT 6
(BLOCK 34)

LOT 5
(BLOCK 34)

LOT 4
(BLOCK 34)

LOT 35
(BLOCK 34)

BOUND BROOK ROAD
(U.S. ROUTE 28)

GROUND FLOOR LOBBY/Common AREAS

SHADED/HATCHED AREA
REPRESENTS PROPOSED
PLANTING BED OR
LAWN/GROUNDCOVER
(TOTAL = 2,804 SF)

EXISTING
ASPHALT

EXISTING
BUILDING

PROPOSED
PLANTING BED

PROPOSED
PLANTING BED

LAWN/GROUNDCOVER

LAWN/GROUNDCOVER

LOT AREA = 27,526 SF
LANDSCAPE AREA = 2,804 SF
(10.19%)



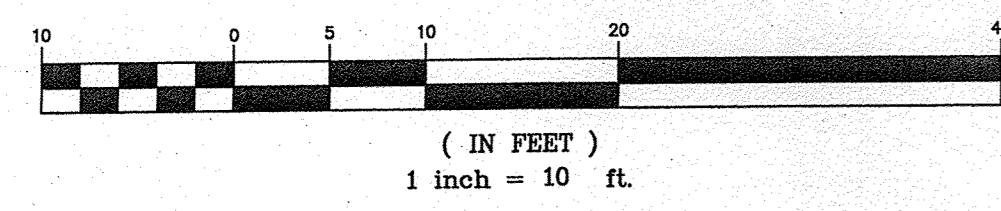
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POST OFFICE BOX 4819
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project name
PRELIMINARY & FINAL SITE PLAN FOR
520-536 NORTH AVENUE
BLOCK 34: LOTS 31-34
(TAX MAP SHEET 9)
DUNELLEN BOROUGH, MIDDLESEX COUNTY, NEW JERSEY

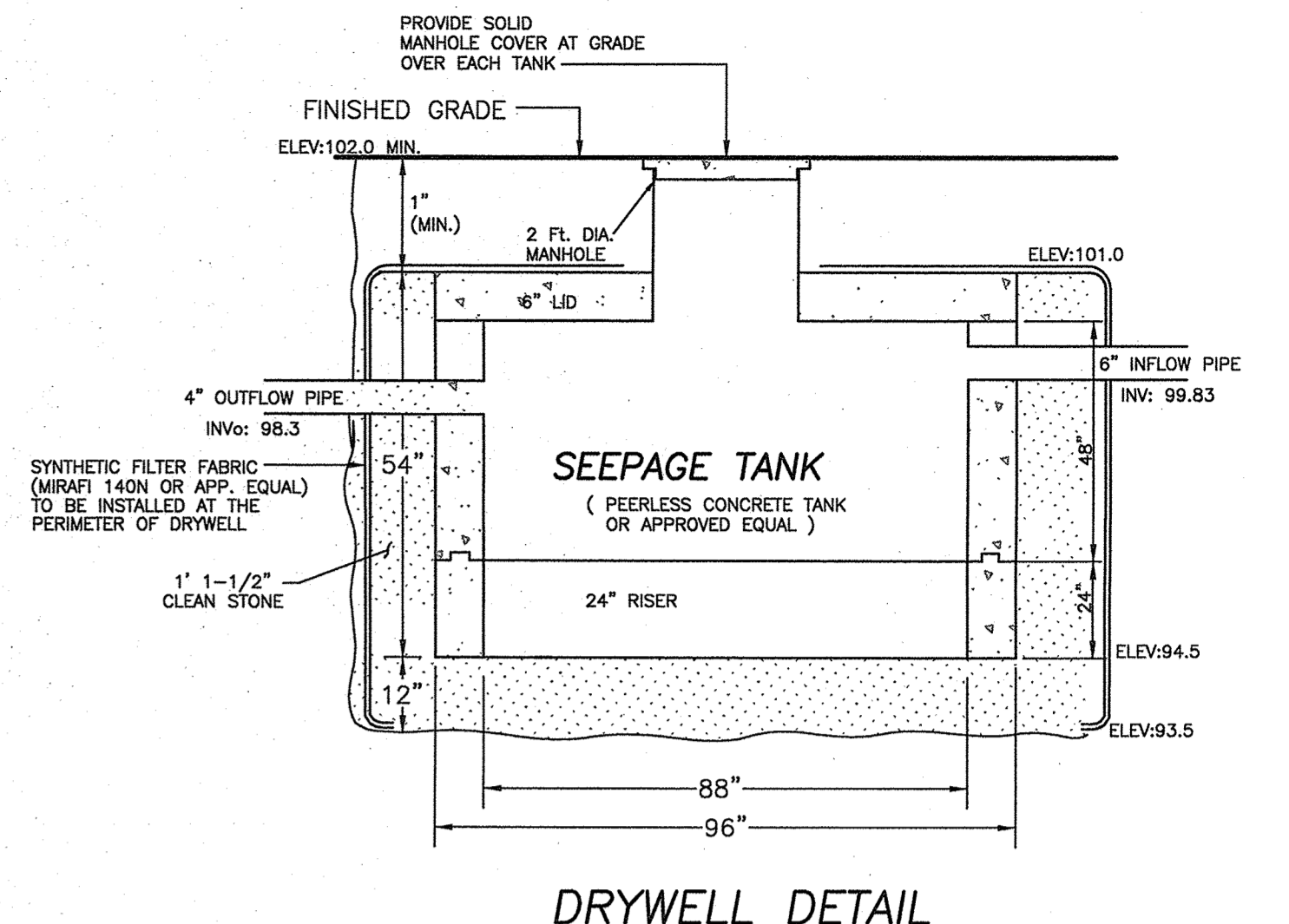
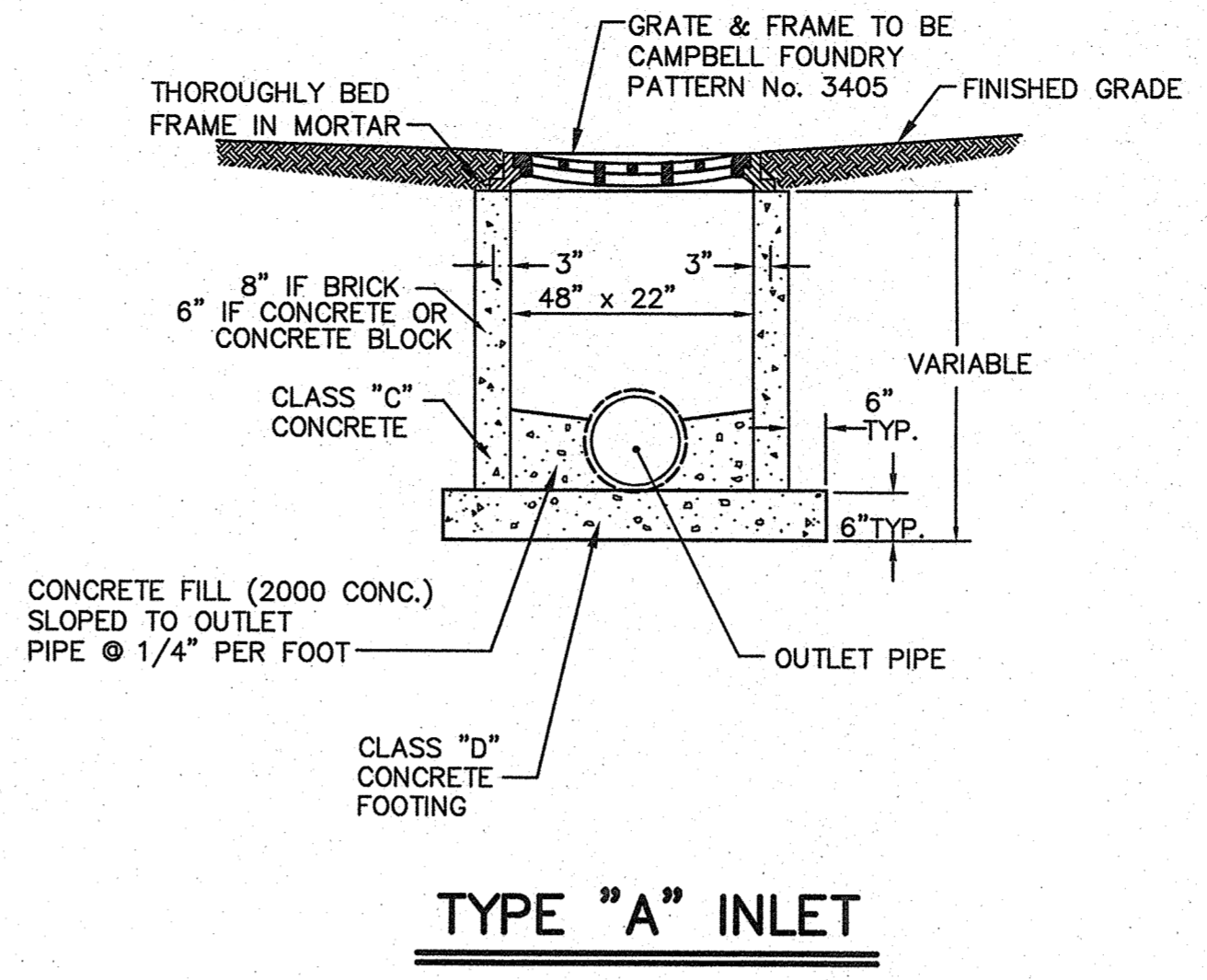
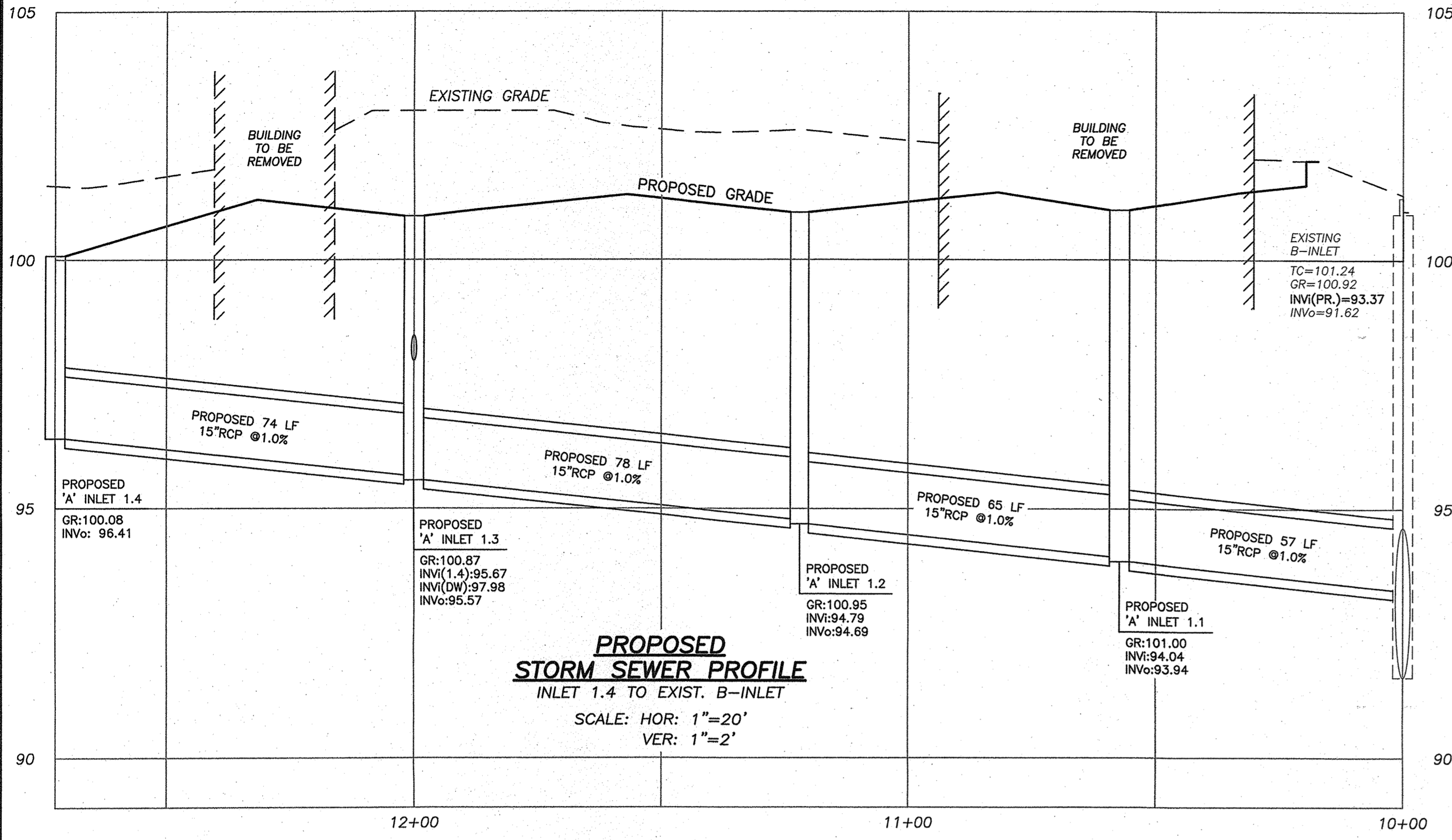
Catherine Mueller
CATHERINE A. MUELLER, P.E.
NEW JERSEY PROFESSIONAL ENGINEER LICENSE No. GE44252

drawing name
LANDSCAPING PLAN
drawing no.
5
drawn by
RW
checked by
CAM
date
4/8/19
scale
1"=10'
project no.
1985

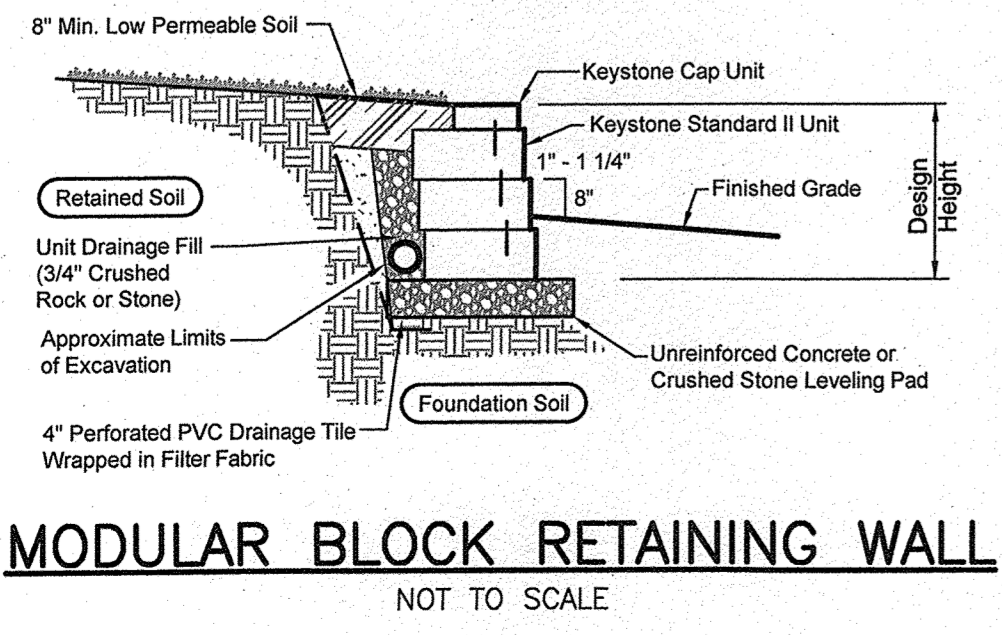
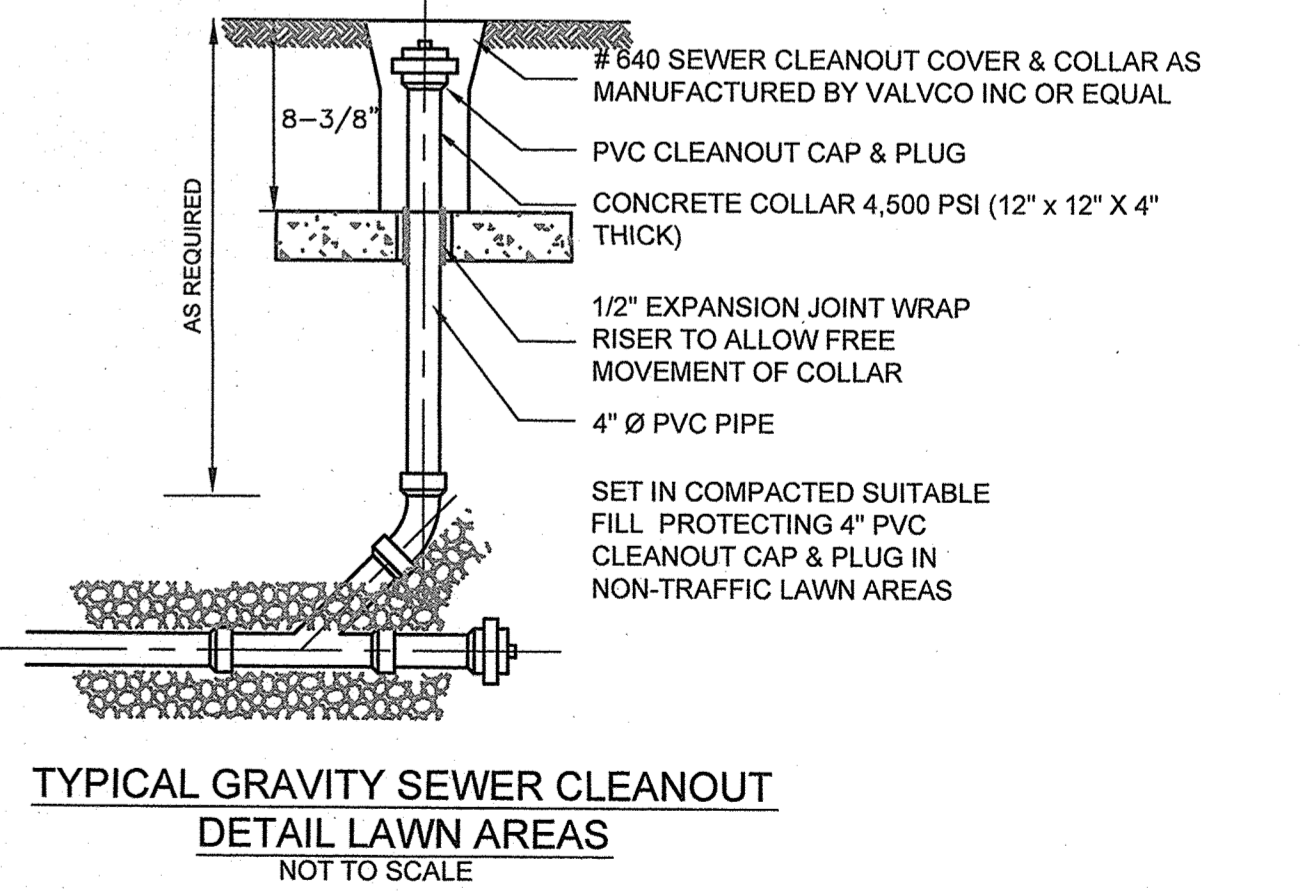
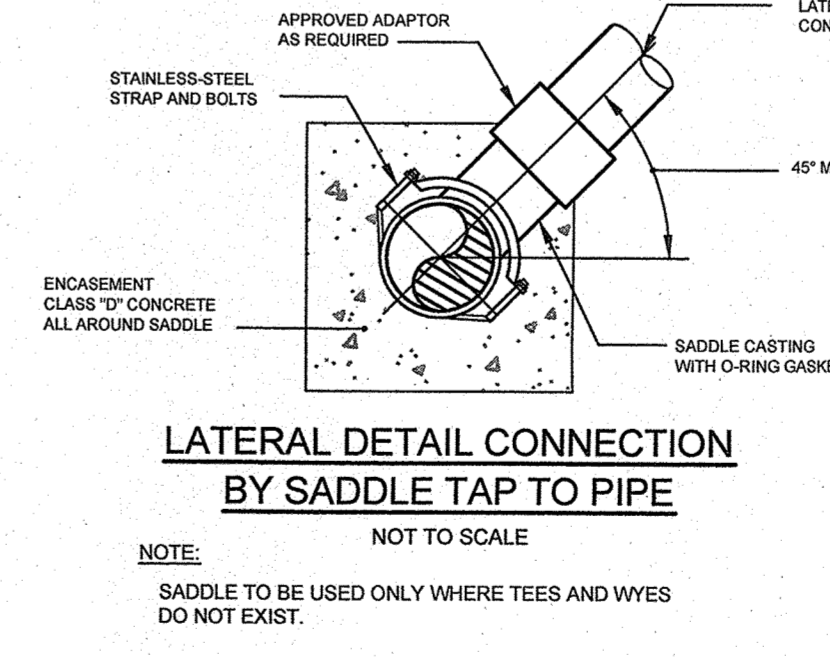
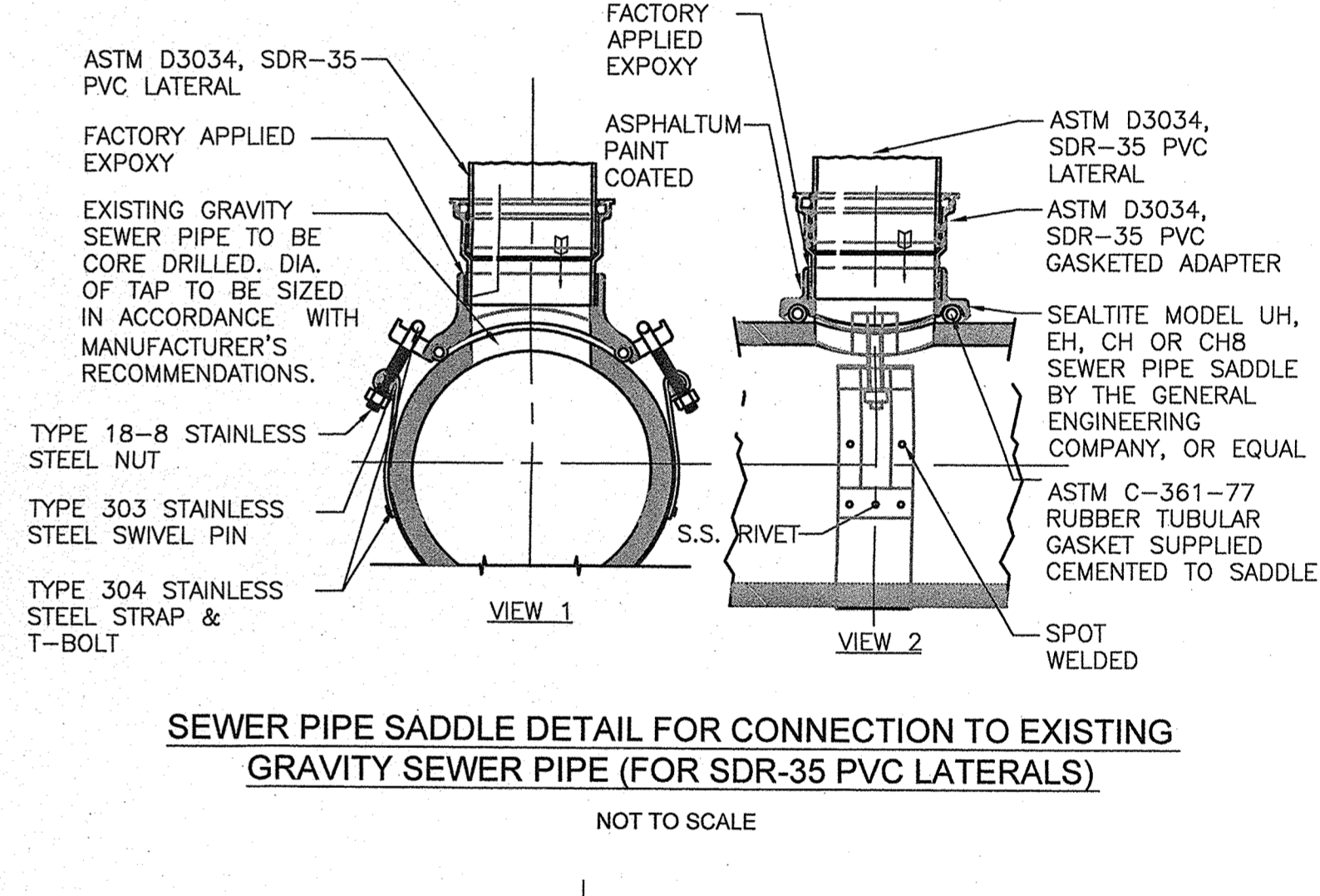
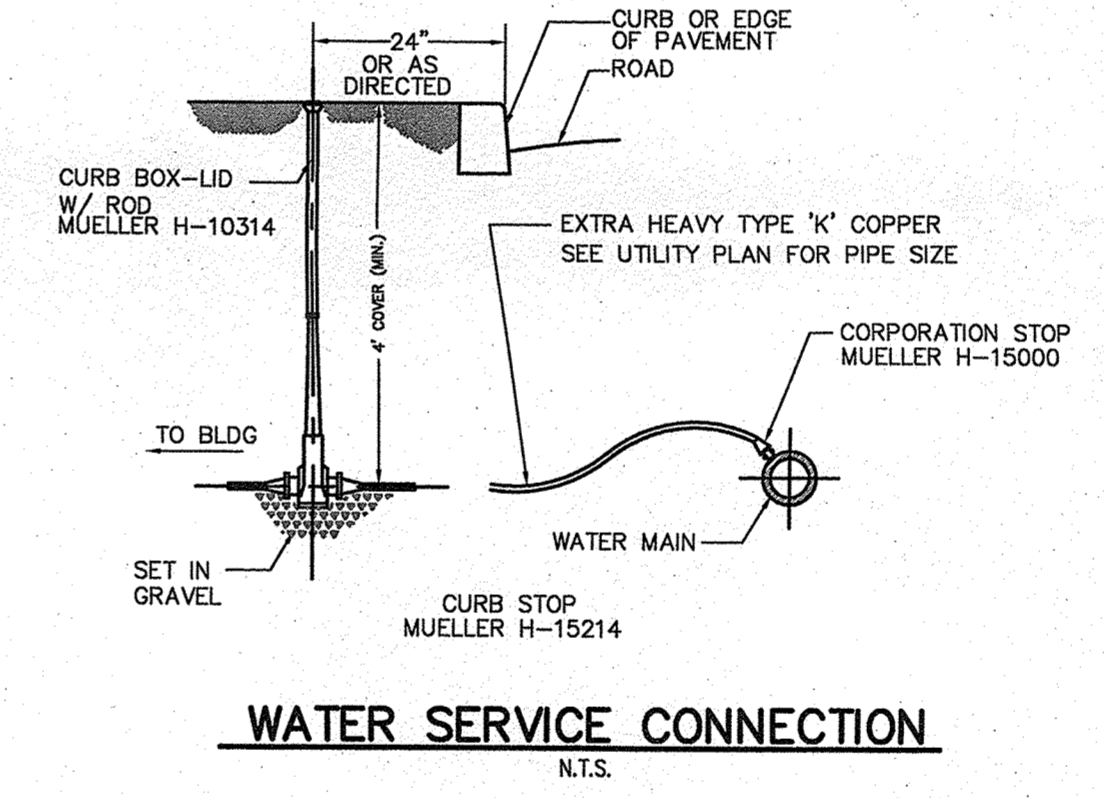
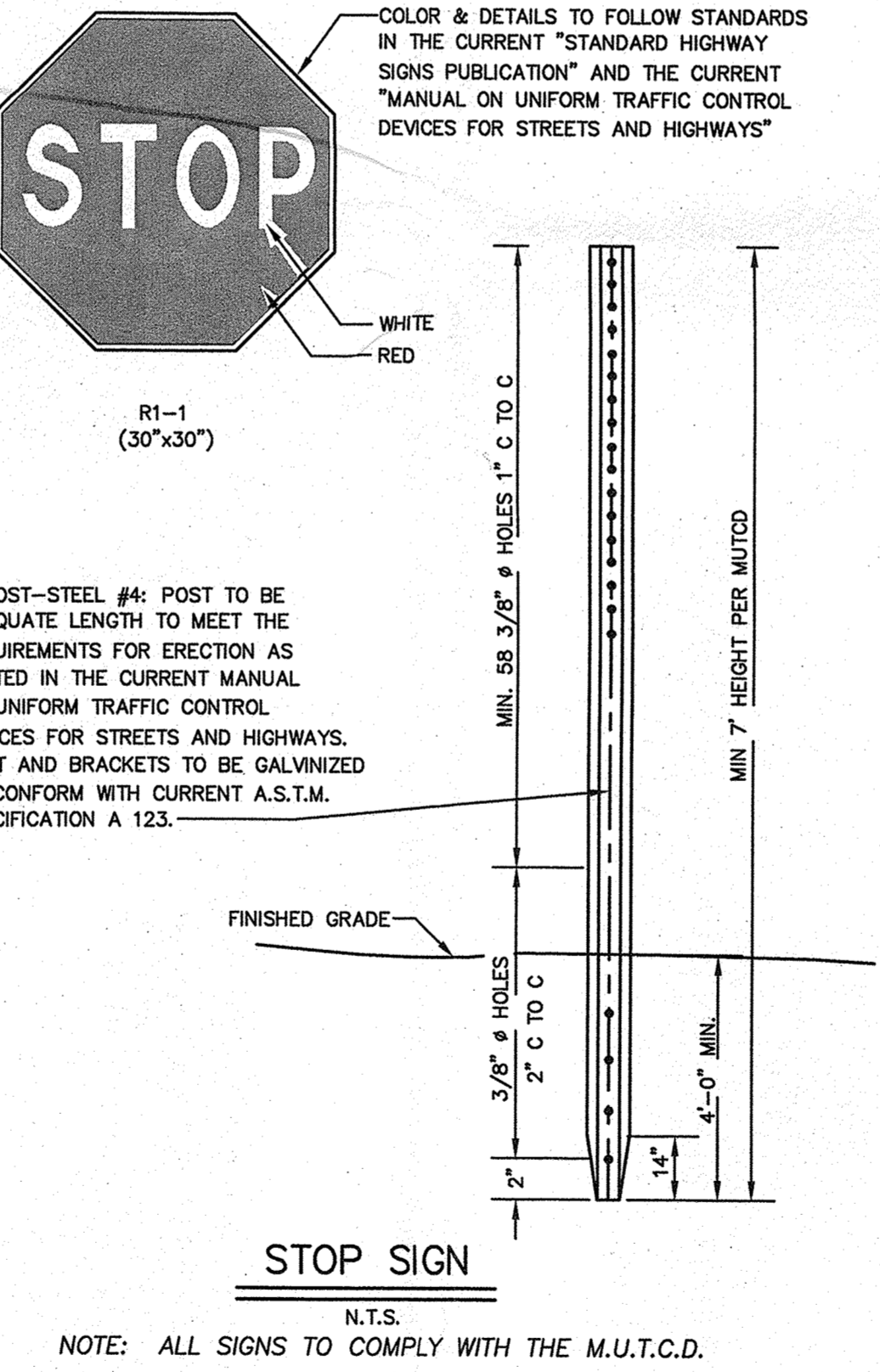
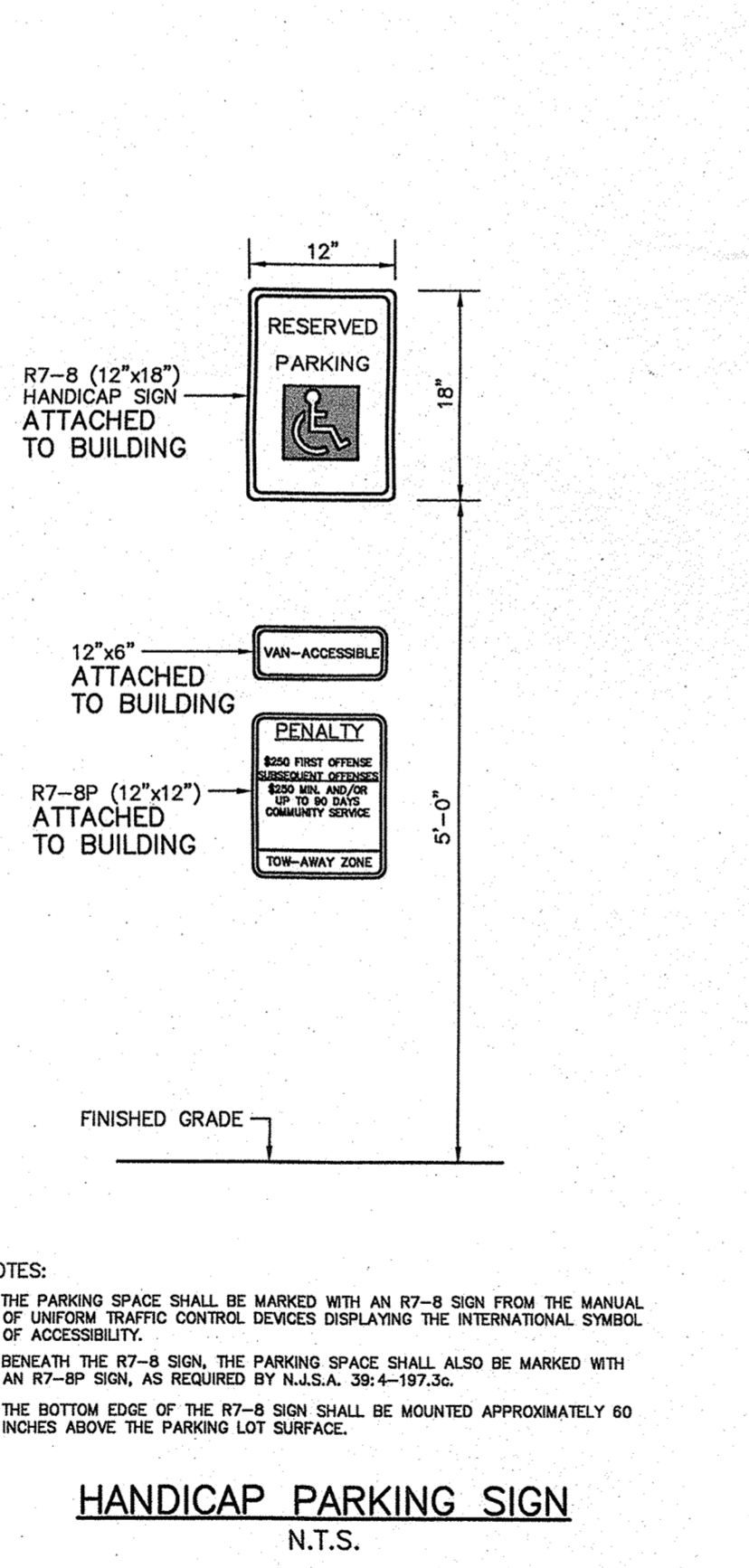
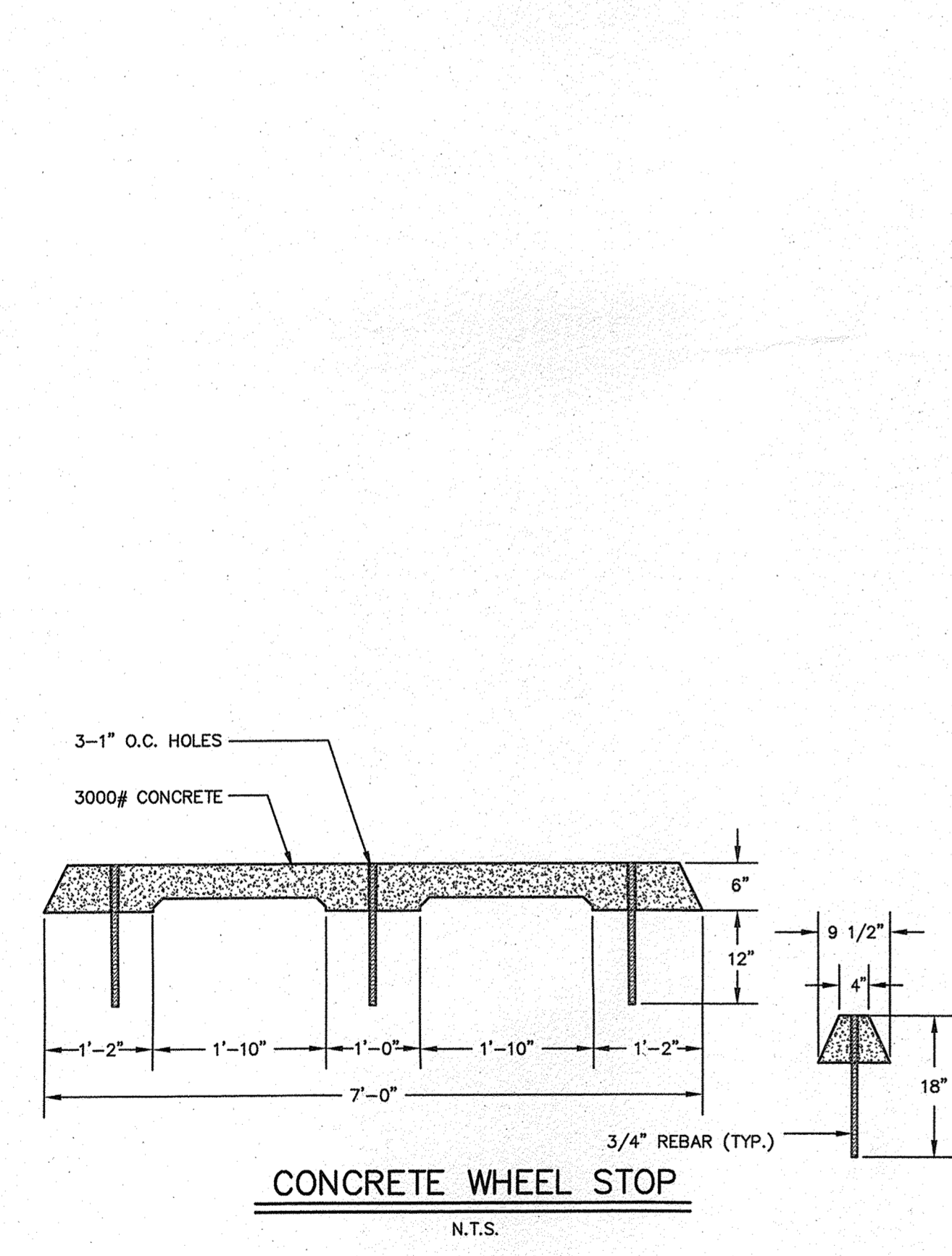
GRAPHIC SCALE



ms:\pca\1985\dwg\1985.dwg



TANK VOLUME PROPOSED: (6'H x 3.14 x 13.5) = 254 CF
 STONE VOLUME PROPOSED: 10' x 10' x 6' - 301 CF = 299 CF (EXCAVATION) (TANK DISPLACEMENT)
 STONE VOLUME PROPOSED: 10' x 10' x 1'H = 100 CF (EXCAVATION)
 STONE VOIDS PROPOSED: [299 CU. FT.] + [100 CU. FT.] = 399 CF x 0.4 = 160 CF (STONE AROUND) (STONE BELOW)
 TOTAL VOLUME PROPOSED: [254 CU. FT.] + [160 CU. FT.] = 414 CU. FT. (TANK VOLUME) (VOID VOLUME)
 % VOIDS = 414 / 700 = 59.1% (10x10x7)



NOTE: FOR CONSTRUCTION DETAILS RELATED TO IMPROVEMENTS WITHIN THE ROAD RIGHT-OF-WAY, REFER TO N.J.D.O.T. ROAD PLANS PREPARED BY PAGE-MUELLER ENGINEERING CONSULTANTS, P.C.

 PAGE-MUELLER ENGINEERING CONSULTANTS, P.C. POST OFFICE BOX 4819 WARREN, NEW JERSEY 07059 (732) 805 - 3979 * FAX (732) 805 - 3978	project name PRELIMINARY & FINAL SITE PLAN FOR 520-536 NORTH AVENUE BLOCK 34: LOTS 31-34 (TAX MAP SHEET 9) DUNELLEN BOROUGH, MIDDLESEX COUNTY, NEW JERSEY	
	drawing name UTILITY PROFILE & CONSTRUCTION DETAILS	
drawn by KP/RW	checked by CAM	date 4/8/19
scale AS NOTED		project no. 6
drawing name UTILITY PROFILE & CONSTRUCTION DETAILS		drawing no. 6