



# LEGEND

## EXISTING

- TRAVERSE POINT
- FIRE HYDRANT
- SIGN
- UTILITY POLE
- SPOT ELEVATION
- LIGHT POLE
- GAS METER
- WATER METER
- WATER CURBSTOP/SHUT-OFF
- WATER VALVE
- GAS VALVE/SHUT-OFF
- SANITARY CLEANOUT
- STREET SIGN
- "B" INLET
- "A" INLET
- "E" INLET
- STORM MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- CURBING
- CONCRETE
- STORM DRAINS
- WATER MAIN
- SANITARY MAIN
- GAS MAIN
- ELECTRIC CONDUIT
- FORCE MAIN
- OVERHEAD WIRES
- EXISTING CONTOUR
- RIGHT-OF-WAY/PROPERTY LINE
- DECIDUOUS TREE
- EVERGREEN TREE

## PROPOSED

- FIRE HYDRANT
- SIGN
- UTILITY POLE
- SPOT ELEVATION
- LIGHT POLE
- WATER METER
- WATER VALVE
- SANITARY CLEANOUT
- "B" INLET
- "A" INLET
- "E" INLET
- STORM MANHOLE
- SANITARY MANHOLE
- CURBING
- CONCRETE
- STORM DRAINS
- WATER MAIN
- SANITARY MAIN
- GAS MAIN
- ELECTRIC CONDUIT
- OVERHEAD WIRES
- PROPOSED CONTOUR
- (PROPOSED TOP OF CURB)
- (PROPOSED GUTTER LINE)
- (PROPOSED TOP OF RETAINING WALL)
- (PROPOSED GUTTER LINE)
- PROPOSED INLET PROTECTION
- PROPOSED LIMIT OF DISTURBANCE
- DRAINAGE FLOW ARROW

# GENERAL NOTES

- 1) SITE CONSTRUCTION TO BE IN ACCORDANCE WITH NEW JERSEY STATE DEPARTMENT OF TRANSPORTATION STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 (LATEST ADDENDUM), WHICH SHALL GOVERN. LATEST NJDOT STANDARD DETAILS SHALL GOVERN. CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UNDERGROUND ELECTRICAL CONDUIT AND IDENTIFY SAME PRIOR TO STARTING ANY EXCAVATION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE TOWNSHIP, COUNTY, AND STATE AND SHALL PAY ALL FEES, INCLUDING THE INSPECTION FEES, AND IN GENERAL SHALL PROCURE ALL REQUIRED PERMITS, LICENSES, INSPECTIONS, PAY ALL CHARGES AND FEES, AND GIVE NOTICES NECESSARY FOR AND INCIDENTAL TO THE DUE AND LAWFUL PROSECUTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE PAVING, TOPSOIL, FERTILIZING AND SEEDING ALL AREAS DISTURBED BY HIS ACTIVITIES. INSPECTION OF, OR FAILURE TO INSPECT ANY MATERIALS OR WORKMANSHIP, SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH APPLICABLE PLANS, SPECIFICATIONS, AND LAW.
- 2) THE CONTRACTOR WILL PRESERVE AND PROTECT ALL EXISTING VEGETATION, SUCH AS TREES, SHRUBS, AND GRASS ON OR ADJACENT TO THE SITE, WHICH DO NOT REASONABLY INTERFERE WITH THE CONSTRUCTION AS MAY BE DETERMINED BY THE DESIGN ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNAUTHORIZED CUTTING OR DAMAGING OF TREES AND SHRUBS, MATERIALS, OR TRACKING OF GRASS AREAS BY EQUIPMENT. CARE SHALL BE TAKEN BY THE CONTRACTOR IN FELLING TREES AUTHORIZED FOR REMOVAL TO AVOID ANY UNNECESSARY DAMAGE TO VEGETATION THAT IS TO REMAIN IN PLACE. THE CONTRACTOR SHALL BE LIABLE FOR OR MAY BE REQUIRED TO REPLACE OR RESTORE, AT HIS EXPENSE, ALL VEGETATION NOT PROTECTED AND PRESERVED AS REQUIRED HEREIN THAT MAY BE DESTROYED OR DAMAGED.
- 3) THE CONTRACTOR SHALL ACKNOWLEDGE PRIOR TO CONSTRUCTION THAT HE OR SHE HAS SATISFIED THEMSELVES AS TO THE NATURE AND LOCATION OF THE WORK, THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE BEARING ON TRANSPORTATION, HANDLING AND STORAGE OF MATERIALS, THE CHARACTER OF THE EQUIPMENT AND FACILITIES NEEDED DURING THE PROSECUTION OF THE WORK AND ALL OTHER MATTERS WHICH CAN IN ANY WAY AFFECT THE WORK OR THE COST THEREOF UNDER THIS CONTRACT. ANY FAILURE OF THE CONTRACTOR TO ACQUAINT THEMSELVES WITH THE AVAILABLE INFORMATION CONCERNING THOSE CONDITIONS WILL NOT RELIEVE THEM FROM RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTIES OR COST OF SUCCESSFULLY PERFORMING THE WORK.
- 4) ALL MATERIALS, METHODS, AND DETAILS OF IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE REGULATIONS OF TOWNSHIP OF MIDDLE, CAPE MAY COUNTY, N.J.D.O.T. AND/OR THE APPROPRIATE UTILITY COMPANY, WHICHEVER REGULATION TAKES PRECEDENCE.
- 5) ALL CONCRETE FOR SIDEWALKS AND CURB SHALL BE OF A MIX TO ENSURE A 28 DAY STRENGTH OF 4000 PSI AND HAVE A MINIMUM AIR CONTENT OF 5%.
- 6) THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ENSURING THAT ALL WORK PERFORMED CONFORMS TO ALL THE APPLICABLE STATUTES, REGULATIONS, ORDINANCES, AND STANDARDS OF GOVERNMENTAL BODIES HAVING JURISDICTION OVER SUCH WORK. THE RESPONSIBILITY SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
  - A. CONFORMITY WITH THE APPROVED PLANS AS WELL AS STANDARDS AND SPECIFICATIONS OF THE TOWNSHIP OF MIDDLE.
  - B. CORRECTION OF ALL DEFECTS OF THE WORK, NO MATTER WHAT THE CAUSE, UNTIL THE DATE OF THE ACCEPTANCE, AND THEREAFTER, FOR THE PERIOD OF ANY GUARANTEE WHICH RUNS BEYOND THE DATE OF ACCEPTANCE.
  - C. SOLUTION OF ANY PROBLEM, UNFORESEEN AT THE TIME OF THE APPROVAL OF THE PLAN, WHICH MAY OR DO IMPAIR THE INTEGRITY OF ANY IMPROVEMENTS, INCLUDING PROBLEMS SUCH AS HIGH GROUND WATER, UNSTABLE SOIL, ETC.
- 7) CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PUBLIC SAFETY AND SECURING THE SITE AT ALL TIMES.
- 8) CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL PUBLIC RIGHTS OF WAY AND ADJACENT PROPERTIES CLEAN AND SAFE FROM EXCESSIVE DUST AND DEBRIS RESULTING FROM DEMOLITION AND/OR CONSTRUCTION.
- 9) THE LOCATION OF ANY UTILITIES SHOWN ON THE PLANS ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION PRIOR TO BEGINNING EXCAVATION OR COMMENCING CONSTRUCTION AND SHALL BE FULLY RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES IN THE VICINITY OF THE PROJECT. GARDEN STATE UNDERGROUND PLANT LOCATION SERVICE WILL PROVIDE FOR ON-SITE DELINEATION OF EXISTING UTILITIES UPON REQUEST (1-800-272-1000).
- 10) EXISTING MATERIALS DESIGNATED FOR REMOVAL SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER.
- 11) DISTURBED AREAS SHALL BE RESTORED AS SOON AS PRACTICAL.
- 12) THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE SITE CONDITIONS. THE CONTRACTOR SHALL PROCEED AT HIS OWN RISK PRIOR TO THE RESOLUTION IF ANY DISCREPANCIES.
- 13) THE CONTRACTOR SHALL COORDINATE WATER MAIN SHUT DOWNS WITH THE WILDWOOD WATER UTILITY.
- 14) LIMITS OF PAVING (L.O.P.) SHALL BE SAWCUT AND SEALED WITH HOT JOINT SEALER.

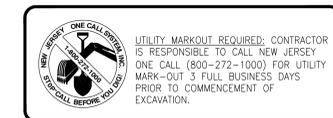
## GENERAL NOTES & LEGEND

**DeBlasio & Associates**  
CONSULTING ENGINEERS AND PLANNERS

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**COUNTY COMMONS PHASE II  
SITE WORK IMPROVEMENTS  
3801 ROUTE 9 SOUTH  
BLOCK 1450, LOTS 5 & 10  
TOWNSHIP OF MIDDLE  
CAPE MAY COUNTY, NEW JERSEY**

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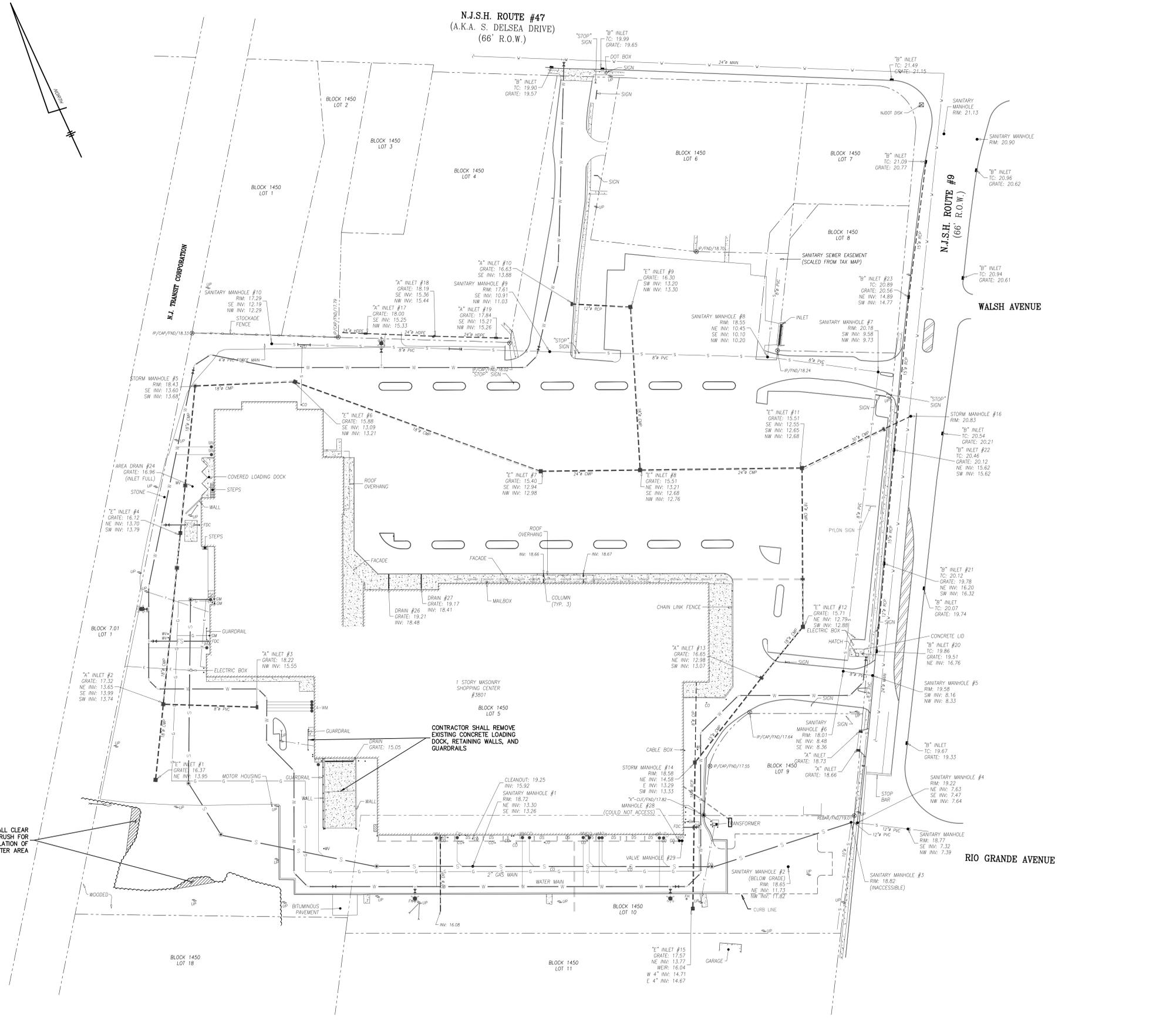
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**Marc A. DeBlasio** 2/10/2020  
 DATE  
**MARC A. DEBLASIO, PE**  
 New Jersey License No. 41599

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ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
2	CLEARING SITE	LUMP SUM	LUMP SUM	



UTILITY MARKOUT REQUIRED; CONTRACTOR IS RESPONSIBLE TO CALL NEW JERSEY ONE CALL (800-272-1000) FOR UTILITY MARK-OUT 3 FULL BUSINESS DAYS PRIOR TO COMMENCEMENT OF EXCAVATION.

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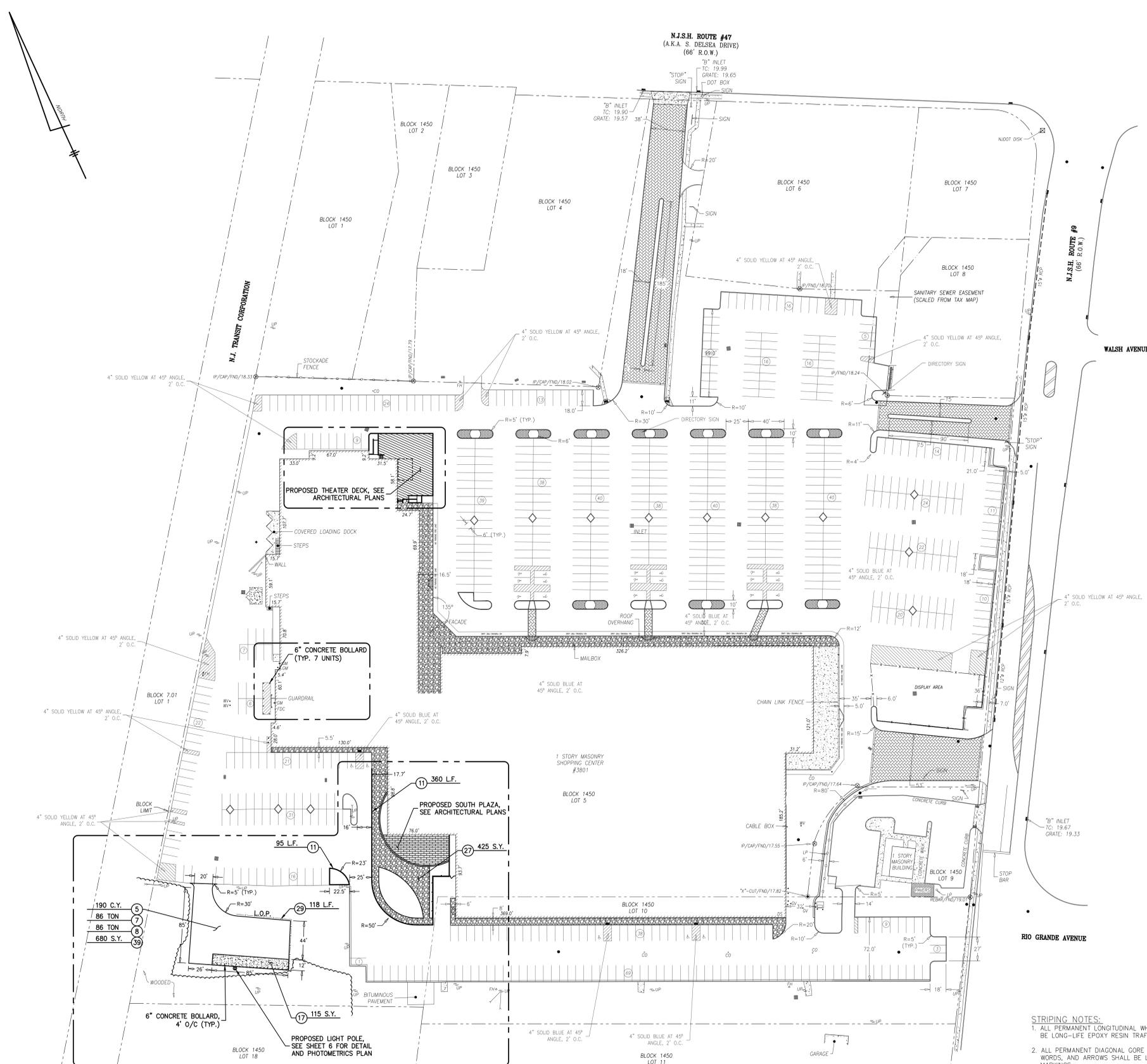
**EXISTING CONDITIONS/DEMOLITION PLAN**

**DeBlasio & Associates**  
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**COUNTY COMMONS PHASE II**  
**SITE WORK IMPROVEMENTS**  
**3801 ROUTE 9 SOUTH**  
**BLOCK 1450, LOTS 5 & 10**  
**TOWNSHIP OF MIDDLE**  
**CAPE MAY COUNTY, NEW JERSEY**

Design: CMS, CWS, MAD, DATE: 02/10/2020  
Drawn: M.A. DeBlasio, DATE: 2/10/2020  
New Jersey License No. 41599  
**MARC A. DEBLASIO, PE**  
Scale: AS NOTED, Date: 2/10/2020, Sheet No: 3, Total: 8



**LEGEND**

- CONCRETE SIDEWALK, 4" THICK
- EXPOSED AGGREGATE SIDEWALK
- BRICK PAVEMENT DRIVEWAY
- BRICK PAVING
- BOARDWALK DECK

ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
5	ROADWAY EXCAVATION, UNCLASSIFIED	C.Y.	190	
7	HOT MIX ASPHALT BASE COURSE, MIX 19M64, 2" THICK	TON	86	
8	HOT MIX ASPHALT SURFACE COURSE, MIX 9.5M64, 2" THICK	TON	86	
11	8" x 18" CONCRETE VERTICAL CURB	L.F.	455	
17	DUMPSTER CONCRETE PAD	S.Y.	115	
27	EXPOSED AGGREGATE SIDEWALK, 4" THICK	S.Y.	425	
29	VINYL FENCE SYSTEM	L.F.	118	
39	DENSE GRADED AGGREGATE, 6" THICK	S.Y.	680	

**ZONING ANALYSIS**  
 OWNER/APPLICANT: COUNTY OF CAPE MAY  
 4 MOORE ROAD  
 CAPE MAY COURT HOUSE, NJ 08210

TAX MAP DESIGNATION: BLOCK LOT SHEET  
 1450 5 & 10 #4  
 TRACT AREA: 15.252 ACRES (664,374 S.F.)  
 ZONE: TC (TOWN CENTER)  
 PROPOSED USE: COMMERCIAL MIXED-USE BUILDINGS

**SCHEDULE OF AREA AND YARD REQUIREMENTS FOR TOWN CENTER (TC) ZONE DISTRICT**

BULK REGULATIONS	REQUIRED	EXISTING	PROPOSED	STATUS
LOT AREA	1 ACRE	15.25 ACRES	15.25 ACRES	CONFORMING
LOT WIDTH	150 FT	846.6 FT	846.6 FT	CONFORMING
LOT FRONTAGE	150 FT	75 FT	75 FT	EXISTING NON-CONFORMING
FRONT YARD	FIRST STORY: MIN. 10 FT MAX. 25 FT	440.51 FT 79.7 FT	440.51 FT 79.7 FT	*VARIANCE GRANTED
SIDE YARD	10 FT	187.8 FT, 44.4 FT	187.8 FT	CONFORMING
SIDE YARD TOTAL	25 FT	232.2 FT	232.2 FT	CONFORMING
REAR YARD	10 FT	119.4 FT	119.4 FT	CONFORMING
MAXIMUM COVERAGE, BUILDING	50%	26.8% (173,512 SF)	26.8% (173,512 SF)	CONFORMING
MAXIMUM COVERAGE, IMPERVIOUS	80%	83.2% (552,622 SF)	84.1% (559,274 SF)	*VARIANCE REQUIRED
MAXIMUM BUILDING HEIGHT	50 FT	< 50 FT	< 50 FT	CONFORMING
MAXIMUM STORIES	3	2	2	CONFORMING

**PARKING SCHEDULE**

PARKING	REQUIRED	EXISTING	PROPOSED	STATUS
PARKING	948 SP	*735 SP	707 SP	*VARIANCE REQUIRED
HANDICAP	2% OF 707 SP = 15 REQUIRED 23 PROVIDED			CONFORMING
DISTANCE BETWEEN PARKING AREA AND BUILDING	15 FT	-	0 FT	*VARIANCE GRANTED

**USE**

USE	REQUIRED	EXISTING	PROPOSED	PARKING REQUIRED
THEATER	1 SP/5 SEATS + 5 SP	1,314 SEATS	581 SEATS	122 SPACES
BOWLING ALLEY	4 SP/ALLEY	0 ALLEYS	18 ALLEYS	72 SPACES
RETAIL/OFFICE	1 SP/200 SF	136,732 SF	111,789	559 SPACES
RESTAURANT (TENANT #6)	1 SP/4 SEATS	0 SEATS	400 SEATS	100 SPACES
RESTAURANT (THEATER AREA)	1 SP/4 SEATS	490 SEATS	245 SEATS	62 SPACES
THEATER DECK	1 SP/4 SEATS + 1 SP/400 SF	0 SEATS	28 SEATS/3,500 SF	16 SPACES
MEDICAL	1 SP/150 SF	2,432 SF	2,432 SF	17 SPACES

PREVIOUSLY REQUIRED: 1,029 SPACES  
 REQUIRED: 1948 SPACES

**SIGNAGE**

SIGNAGE	REQUIRED	EXISTING	PROPOSED	STATUS
STOREFRONT SIGNAGE	2 SF/LF OF BUILDING MAX 150 SF	-	2 (CAPE SQUARE MOVIE BOWL)	*VARIANCE REQUIRED
NUMBER OF FACADE SIGNS	0	-	1	*VARIANCE GRANTED
NUMBER OF FREESTANDING SIGNS	1	2	5	*VARIANCE GRANTED
FREESTANDING SIGNAGE	(1) 400 SF SIGN	(2) 282 SF PYLON	(1) 282 SF PYLON (1) 282 SF PYLON (3) 20 SF DIRECTORY	*VARIANCE GRANTED
SETBACK	10 FT	7 FT	7 FT	*VARIANCE GRANTED

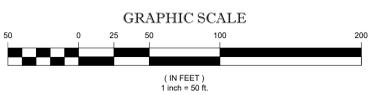
**LANDSCAPING REQUIREMENTS**

REQUIREMENTS	REQUIRED	EXISTING	PROPOSED	STATUS
MINIMUM BUFFER BETWEEN COMMERCIAL AREA AND RESIDENTIAL AREA	50 FT	3 FT	3 FT	*VARIANCE GRANTED
MINIMUM BUFFER BETWEEN PARKING AREA AND PROPERTY LINE	10 FT	3 FT	3 FT	*VARIANCE GRANTED

\*VARIANCE GRANTED PER PLANNING BOARD, TOWNSHIP OF MIDDLE RESOLUTION #1911107

- NOTES:**
- EXISTING TOPOGRAPHIC INFORMATION AND PROPERTY LINES SHOWN WERE TAKEN FROM A PLAN ENTITLED, "PLAN OF SURVEY & TOPOGRAPHY, 3801 ROUTE 9 SOUTH, BLOCK 1450, LOTS 5 & 10, TOWNSHIP OF MIDDLE, CAPE MAY COUNTY, NEW JERSEY" PREPARED BY DANTE GUZZI ENGINEERING ASSOCIATES UNDER THE SUPERVISION OF STEVEN C. WOODROW, N.J.P.L.S. LICENSE NO. 27514, DATED 03/29/2019, LATEST REVISION 04/10/2019.
  - EXISTING TOPOGRAPHIC INFORMATION SHOWN OF BLOCK 1450, LOT 9 WAS TAKEN FROM A PLAN ENTITLED, "PLAN OF SURVEY, BLOCK 1450 LOT 9, TOWNSHIP OF MIDDLE, CAPE MAY CO., NJ" PREPARED BY HENRY V. ENGEL, III, N.J.P.L.S. LICENSE NO. 35833, DATED 06/24/2019.
  - ELEVATIONS SHOWN ARE BASED ON NAVD88 DATUM. NGS BENCHMARK DISK N 58 (EL. 17.56)(NAVD88) PID #J0428.
  - PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE TOWNSHIP OF MIDDLE. SAID LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.
  - LOT AND BLOCK NUMBERS REFER TO TOWNSHIP OF MIDDLE TAX MAPS, SHEET #4.
  - LIMITS OF PAVING (L.O.P.) SHALL BE SAWCUT FULL DEPTH AND SEALED WITH HOT-POURED JOINT SEALER, MEET AND MATCH EXISTING PAVEMENT ELEVATIONS. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS WORK BUT THE COST SHALL BE INCLUDED IN THE SURFACE PAVING.
  - LIMITS OF SIDEWALK REPLACEMENT SHALL BE SAWCUT TO A NEAT AND CLEAN EDGE WHERE NO JOINT EXISTS. THE COSTS OF SAWCUTTING SHALL BE INCLUDED IN THE RELATED PAY ITEMS IN THE BID FORM.

- STRIPING NOTES:**
- ALL PERMANENT LONGITUDINAL WHITE AND YELLOW LANE LINES SHALL BE LONG-LIFE EPOXY RESIN STRIPES.
  - ALL PERMANENT DIAGONAL CORE MARKINGS, CROSS WALKS, STOP BARS, WORDS, AND ARROWS SHALL BE LONG-LIFE THERMOPLASTIC TRAFFIC MARKINGS.
  - ALL TEMPORARY LONGITUDINAL CENTER LINES SHALL BE REMOVABLE PAVEMENT MARKING TAPE.
  - TRAFFIC STRIPING AND TRAFFIC MARKINGS OF DIFFERENT MATERIALS SHALL NOT BE OVERLAPPED.
  - ALL TRAFFIC STRIPING SHALL BE 4" SOLID WHITE EPOXY RESIN UNLESS OTHERWISE INDICATED ON PLAN.



**PLAN**  
 SCALE: 1"=50'

**SITE PLAN**

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**COUNTY COMMONS PHASE II  
 SITE WORK IMPROVEMENTS  
 3801 ROUTE 9 SOUTH  
 BLOCK 1450, LOTS 5 & 10  
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 CAPE MAY COUNTY, NEW JERSEY**

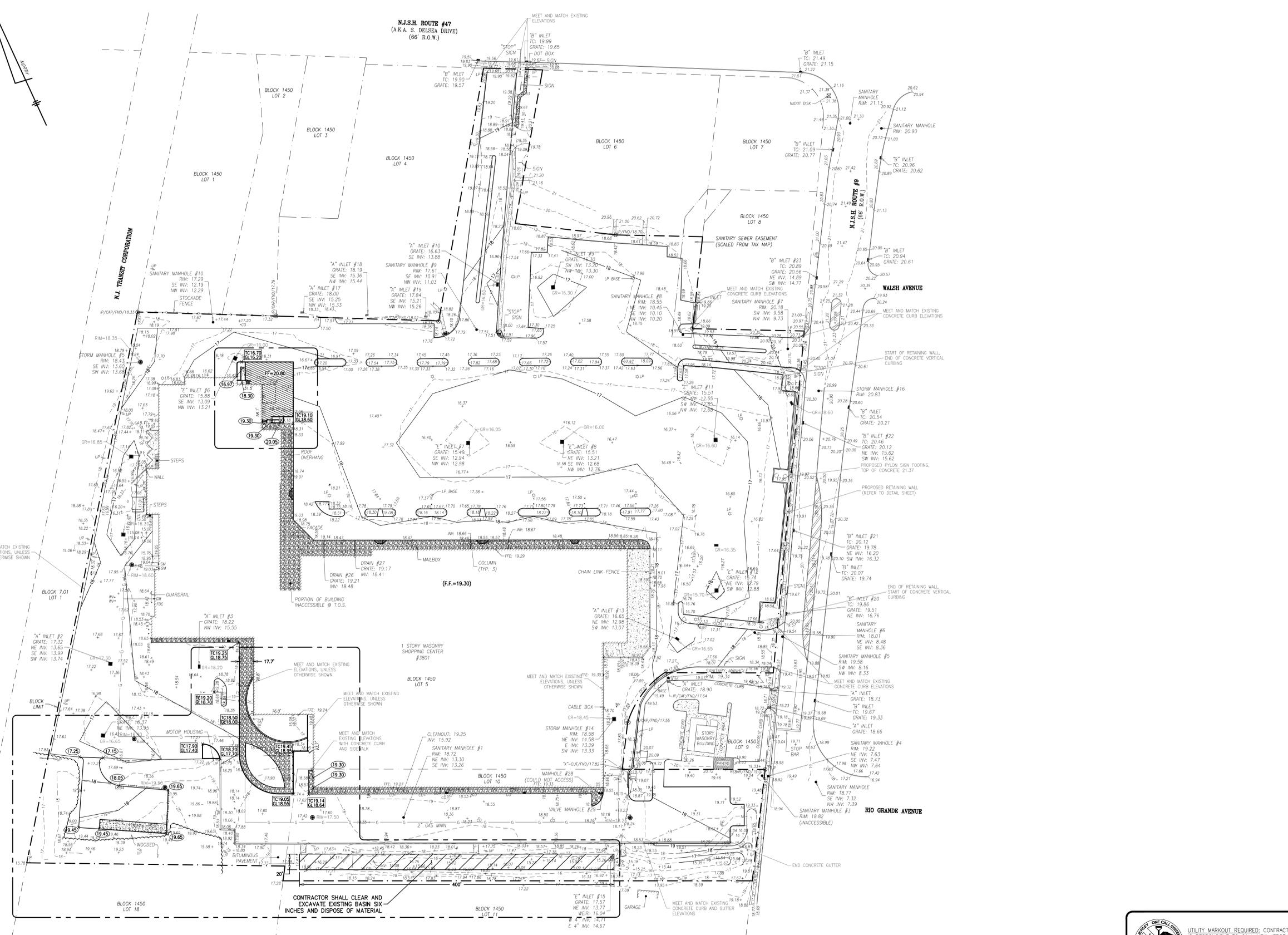
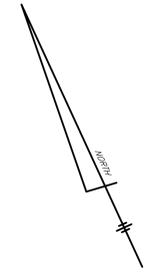
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*Marc DeBlasio* 2/10/2020  
**MARC A. DEBLASIO, PE**  
 New Jersey License No. 41599

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UTILITY MARKOUT REQUIRED; CONTRACTOR IS RESPONSIBLE TO CALL NEW JERSEY ONE CALL (800-272-1000) FOR UTILITY MARK-OUT 3 FULL BUSINESS DAYS PRIOR TO COMMENCEMENT OF EXCAVATION.

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**GRADING PLAN**  
SCALE: 1"=50'

**GRADING PLAN**

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CAPE MAY COUNTY, NEW JERSEY**

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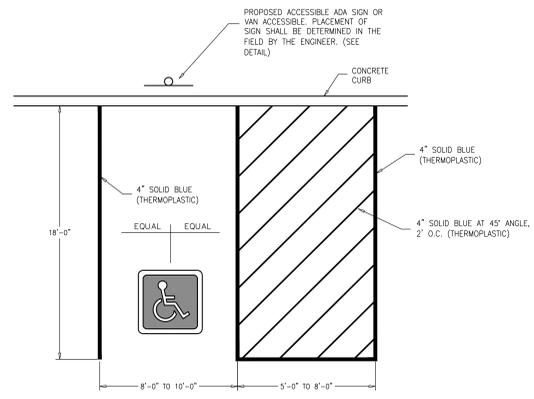
NO. DATE APPR. REVISION

*Man DeBlasio* 2/10/2020  
DATE  
**MARC A. DEBLASIO, PE**  
New Jersey License No. 41599

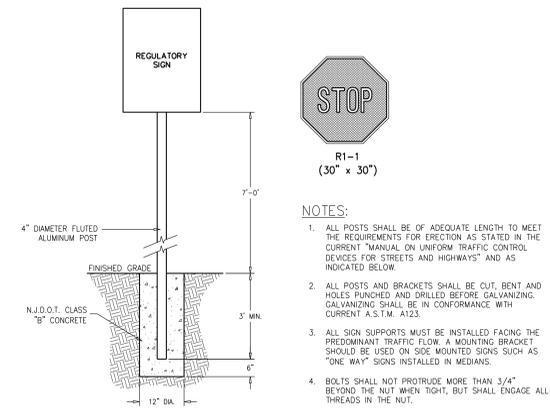
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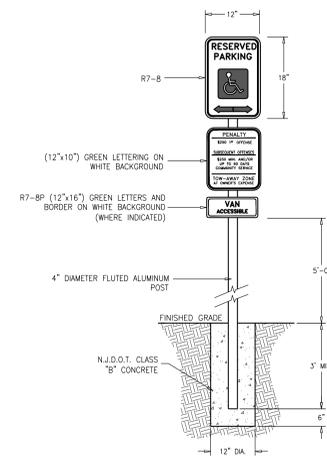
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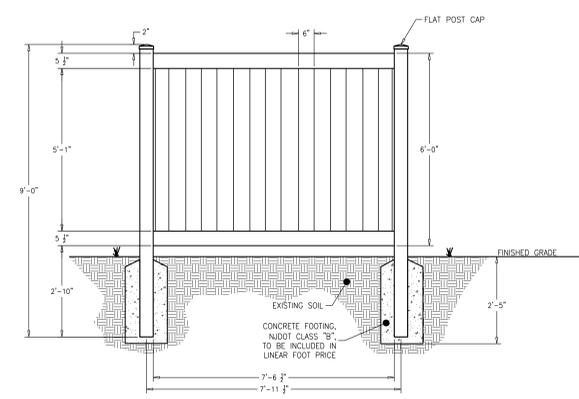
**ADA ACCESSIBILITY PARKING STALL LAYOUT**  
N.T.S.



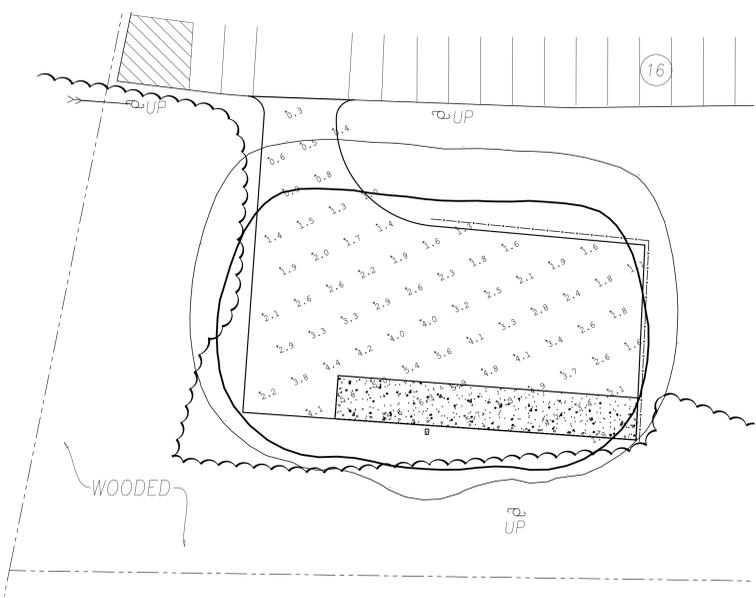
**REGULATORY SIGN AND POST DETAIL**  
N.T.S.



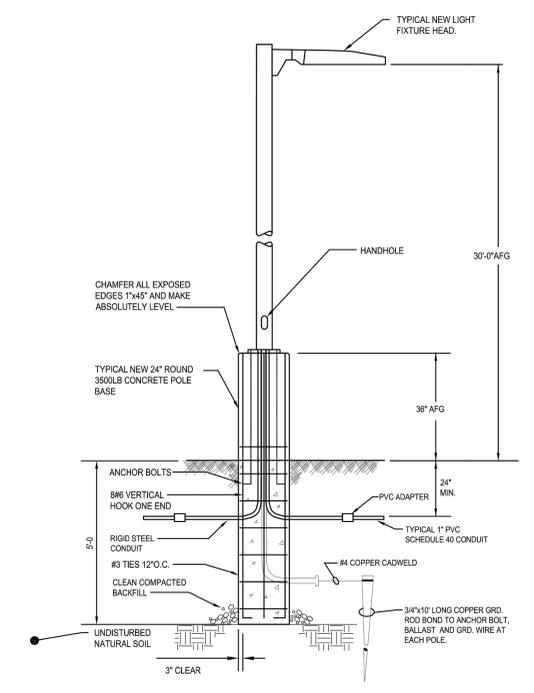
**ACCESSIBILITY PARKING SIGN AND POST DETAIL**  
N.T.S.



**VINYL FENCE DETAIL**  
N.T.S.



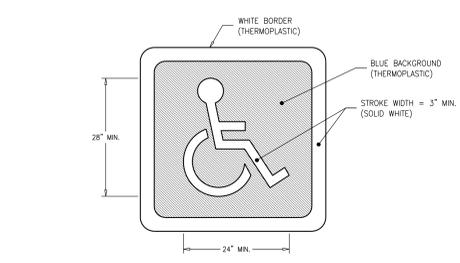
**SITE LIGHTING PHOTOMETRICS PLAN**  
1"=20'



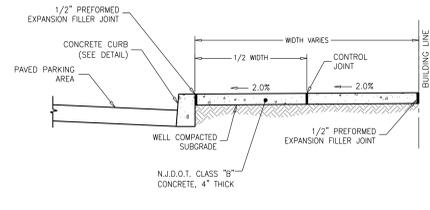
**LIGHT POLE AND FIXTURE DETAIL**  
N.T.S.

**LIGHT FIXTURE SCHEDULE**

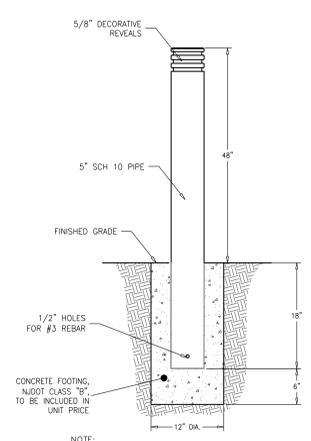
DRAWING SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NO.	MOUNTING	TYPE	NO.	LUMENS	WATTS	VOLTS	REMARKS	IMAGE
◻	GALILEON AREA AND ROADWAY LUMINAIRE (R) TO OIL RIGS, 100W LIGHTS SQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROWN OPTIC CORROSION RESISTANT, VANDAL RESISTANT, WET LOCATION, IP68 PAINTED HOUSING, DIE-CAST ALUMINUM HEAT SINKS AND EXTRUDED ALUMINUM DRIVER HOUSING, 5.0V DIMMING DRIVER, 4" SQUARE POLE FINISH TO MATCH FIXTURE HEAD.	EATON - INGRAM EDISON	FIXTURE HEAD: G250W-100W-1-147418Z POLE: RTM18LSAEN200-1178000	POLE	LED	96	361	666	277	PROVIDE EACH POLE LOCATION WITH PHOTOCELL OPTION.	



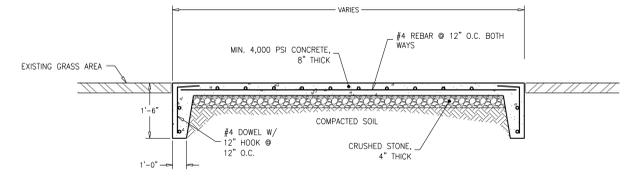
**ADA ACCESSIBILITY PAVEMENT SYMBOL**  
N.T.S.



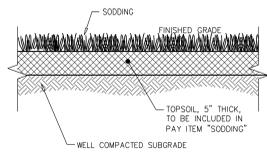
**CONCRETE SIDEWALK DETAIL**  
N.T.S.



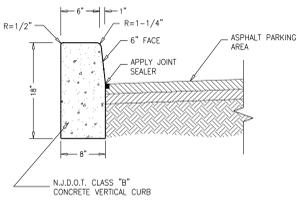
**CONCRETE BOLLARD DETAIL**  
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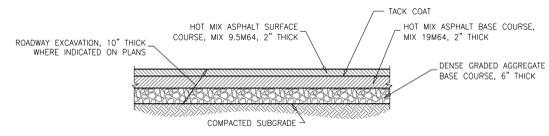
**DUMPSTER CONCRETE PAD DETAIL**  
N.T.S.



**GRASS AREA RESTORATION**  
N.T.S.



**CONCRETE VERTICAL CURB DETAIL**  
N.T.S.



**TYPICAL PARKING LOT PAVEMENT SECTION**  
N.T.S.

**SITE DETAILS**

**DeBlasio & Associates**  
CONSULTING ENGINEERS AND PLANNERS

4701 NEW JERSEY AVENUE  
WILDWOOD, NJ 08260  
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Certification of Authorization No. 246A28284900

**COUNTY COMMONS PHASE II  
SITE WORK IMPROVEMENTS  
3801 ROUTE 9 SOUTH  
BLOCK 1450, LOTS 5 & 10  
TOWNSHIP OF MIDDLE  
CAPE MAY COUNTY, NEW JERSEY**

Design: C.M.S.    Owner: C.M.S.    Date: 02/10/2020  
Class: M.A.D.

*Marc DeBlasio* 2/10/2020  
DATE  
**MARC A. DEBLASIO, PE**  
New Jersey License No. 41599

Scale: AS NOTED    Job No.: 150301    Sheet No.: 6    Total: 8

**UTILITY MARKOUT REQUIRED: CONTRACTOR IS RESPONSIBLE TO CALL NEW JERSEY ONE CALL (800-272-1000) FOR UTILITY MARK-OUT 3 FULL BUSINESS DAYS PRIOR TO COMMENCEMENT OF EXCAVATION.**

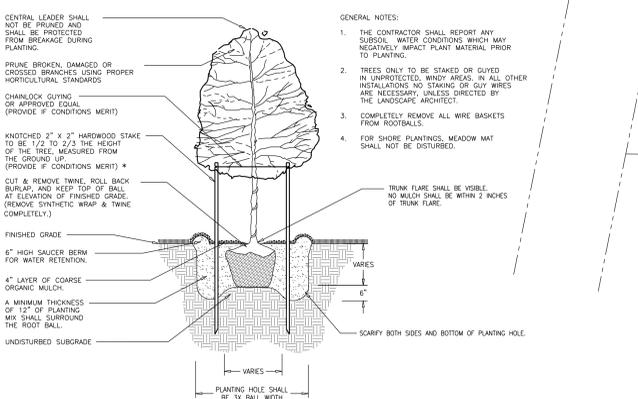
NO. DATE APPR. REVISION

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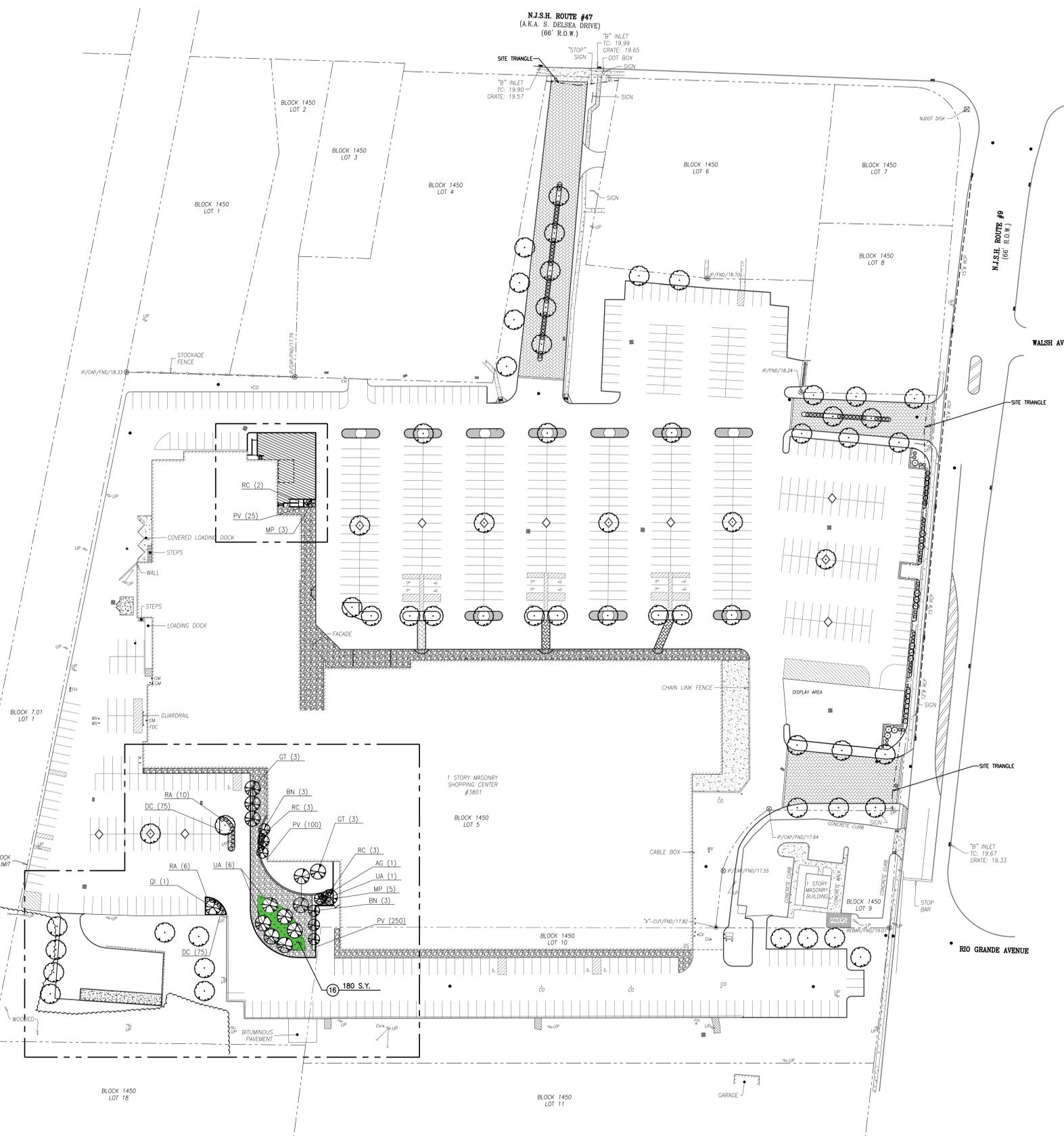
ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
16	SODDING	S.Y.	180	
63	LANDSCAPING	LUMP SUM	LUMP SUM	
64	IRRIGATION SYSTEM	LUMP SUM	LUMP SUM	

**PLANTING NOTES:**

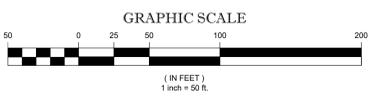
- ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. ALL PLANTS SHALL HAVE NORMAL, WELL DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEMS. THEY SHALL BE FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUNSCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORERS, AND ALL OTHER FORMS OF INFECTIONS. ALL PLANT MATERIAL INSTALLED BETWEEN OCTOBER 15 AND MARCH 15 SHALL BE THOROUGHLY WETTED WITH AN ANTI-TRANSPARENT UPON DELIVERY OF THE MATERIAL TO THE SITE.
- QUALITY AND SIZE OF PLANT, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1) AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. THE TRANSPORTING AND PLANTING OF TREES AND SHRUBS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "ANSI A300 PART 6: TREE, SHRUB, AND OTHER WOODY PLANT MAINTENANCE-STANDARD PRACTICES (TRANSPLANTING)."
- ALL PLANTS SHALL BE PACKED, TRANSPORTED AND HANDLED WITH UTMOST CARE TO INSURE ADEQUATE PROTECTION AGAINST INJURY AND DEHYDRATION. EACH SHIPMENT SHALL BE CERTIFIED TO BE FREE FROM DISEASES AND WEEDS. ANY INSPECTION CERTIFICATES REQUIRED BY LAW TO THIS EFFECT SHALL ACCOMPANY EACH SHIPMENT INVOICE OR ORDER OF STOCK, AND ON ARRIVAL, THE CERTIFICATE SHALL BE FILED WITH THE LANDSCAPE ARCHITECT.
- NO PLANT MATERIAL SHALL BE PLANTED BY THE CONTRACTOR UNTIL IT IS INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT OR HIS AGENT AT THE SITE. THE LANDSCAPE ARCHITECT OR HIS REPRESENTATIVE SHALL BE THE SOLE JUDGE OF THE QUALITY AND ACCEPTABILITY OF THE MATERIALS. ALL REJECTED MATERIALS SHALL BE IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL AT NO ADDITIONAL COST.
- DECIDUOUS AND EVERGREEN TREES SHALL BE FIELD ADJUSTED TO MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET FROM ANY OVERHEAD UTILITY WIRES AND/OR UNDERGROUND UTILITIES.
- DECIDUOUS AND EVERGREEN TREES SHALL BE PLANTED AT LEAST TWO (2) FEET FROM ANY CURBING, PAVING, OR SIDEWALK. WHENEVER POSSIBLE THIS DIMENSION SHOULD BE INCREASED TO FOUR (4) FEET. ALL PLANTINGS, EXCEPT GROUND COVERS, SHOULD BE PLANTED AT LEAST TWO (2) FEET FROM ANY BUILDING AND FIVE (5) FEET FROM ABOVE AND BELOW GROUND UTILITIES.
- PLANTING MIXTURE SHALL CONSIST OF 70% EXISTING SOIL FROM THE PLANTING SITE AND 30% HUMUS OR MUSHROOM SOIL. PRIOR TO USING EXISTING TOPSOIL, REMOVE ALL FOREIGN DEBRIS AND ALL ROCKS OR STONES LARGER THAN 2 INCHES. EACH CUBIC YARD SHALL BE ADDED AND INCORPORATED BY THOROUGHLY MIXING FOUR POUNDS OF COMMERCIAL FERTILIZER HAVING AN ANALYSIS OF 6-6-6.
- ALL PLANTS (B&B OR CONTAINER) SHALL BE PROPERLY IDENTIFIED BY WEATHERPROOF LABELS AND SECURELY ATTACHED THERETO BEFORE DELIVERY TO THE PROJECT SITE. LABELS SHALL IDENTIFY THE PLANTS BY COMMON NAME, BOTANICAL NAME, AND SIZE. LABELS SHALL NOT BE REMOVED UNTIL FINAL INSPECTION BY THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL SCALE PLANT LOCATIONS FROM THE PLANS AND STAKE LOCATIONS ON-SITE FOR APPROVAL BY THE OWNER.
- ALL SEEDED AREAS THAT DO NOT SHOW A PROMPT UNIFORM GERMINATION SHALL BE RESEED BY THE LANDSCAPE CONTRACTOR AT INTERVALS OF 45 - 60 DAYS, UNTIL A GOOD GROWTH IS ESTABLISHED OVER THE ENTIRE LAWN AREA.
- ALL PLANT BEDS SHALL BE MULCHED WITH THREE (4) INCHES OF DOUBLE SHREDDED HARDWOOD BARK MULCH OR OTHER MATERIAL APPROVED BY THE LANDSCAPE ARCHITECT. THE LIMIT OF THE MULCH FOR TREES SHALL EXTEND 12 INCHES BEYOND THE PLANTING HOLE, AND FOR SHRUBS AND BEDS, THE ENTIRE SHRUB OR BED AREA AS INDICATED ON THE PLAN OR APPROVED IN THE FIELD. NO MULCH SHALL BE PLACED WITHIN THREE (3) INCHES OF THE TRUNK OR TRUNK FLARE. NO SEPARATE PAYMENT SHALL BE MADE FOR MULCH, BUT THE COST SHALL BE INCLUDED UNDER THE PAY ITEM, "LANDSCAPING."
- ALL PLANTING BEDS SHALL BE ROTOTILLED TO A DEPTH OF TEN (10) INCHES PRIOR TO ANY PLANTING. ALL STONES, WIRE, CONCRETE AND UNSUITABLE MATERIALS SHALL BE REMOVED. ALL SHRUB PLANTINGS SHALL BE INSTALLED IN MULCHED PLANTING BEDS EXTENDING AT LEAST TWO (2) FEET FROM THE PLANTS OR AS INDICATED ON THE APPROVED PLANS.
- PLANTING BEDS SHALL BE THOROUGHLY EXCAVATED, AND BACKFILLED WITH THE PLANT MIXTURE DESCRIBED IN 7 ABOVE. ALL PAVED SUB-BASES AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE PLANTING BEDS UNTIL THE VIRGIN SOIL IS REACHED.
- IT IS UNDERSTOOD THAT THE OWNER SHALL ASSUME THE RESPONSIBILITY FOR WATERING ALL PLANT MATERIAL AND LAWN AREAS BEYOND THE GUARANTEE PERIOD FROM COMMENCING WITH THE DATE OF FINAL ACCEPTANCE.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. ALL PLANTS SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF TWO (2) YEARS FROM THE COMPLETION DATE OF INSTALLATION. ANY PLANT MATERIAL THAT IS 25% DEAD OR MORE SHOULD BE CONSIDERED DEAD AND MUST BE REPLACED. A TREE SHOULD BE CONSIDERED DEAD WHEN THE MAIN LEADER HAS DIED BACK OR WHEN 25% OF THE CROWN IS DEAD. REPLACEMENT SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE EXCAVATING.
- THE LANDSCAPE ARCHITECT OR HIS AGENT SHALL BE NOTIFIED OF ANY RELOCATION OF PLANTS MADE NECESSARY BY UTILITIES OR OTHER EXISTING FEATURES PREVENTING THE CONTRACTOR FROM IMPLEMENTATION OF THE PLANTING PLAN AS DRAWN. SUCH NOTIFICATION SHALL BE MADE BEFORE THE FIELD CHANGE IS CARRIED OUT.
- PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED INCLUDING ALL LABOR, MATERIALS, PLANTS, AND EQUIPMENT, INCIDENTALS AND CLEAN UP.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT THE CORRECT GRADES AND ALIGNMENT. SET ALL PLANTS PLUMB AND STRAIGHT. SET SHRUBS AT SUCH A LEVEL THAT, AFTER SETTLEMENT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED OR A MINIMUM OF TWO (2) INCHES ABOVE THE FINISHED GRADE. FOR TREE PLANTINGS, THE CONTRACTOR SHALL LOCATE THE HIGHEST ROOT FLARE PRIOR TO DIGGING THE PLANTING HOLE. THE PLANTING HOLE SHALL BE EXCAVATED TO A DEPTH THAT ENSURES THE TRUNK FLARE IS VISIBLE AND THAT THE HIGHEST ROOT FLARE IS FLUSH WITH EXISTING GRADE. TREES PLANTED LOWER OR HIGHER WILL BE REJECTED. LOCATE ALL PLANTS IN THE CENTER OF THE PIT.
- CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF THE PLANT MATERIAL.
- INsofar AS PRACTICABLE, PLANT MATERIALS SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED LONGER THAN A TWO (2) DAY PERIOD AFTER DELIVERY.
- PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTABLE LOCAL PRACTICES.
- ALL NON-Biodegradable ROOT WRAPPINGS (INCLUDING WIRE BASKETS) ARE TO BE REMOVED COMPLETELY BEFORE PLANTING.
- EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS. SHEARS ARE TO BE STERILIZED BETWEEN TREES.
- ALL INJURED ROOTS SHALL BE PRUNED BEFORE PLANTING, AND OBVIOUS DROWING ROOTS REMOVED, PRUNED OR EXTENDED AS APPROPRIATE. IT IS ADVISABLE TO PRUNE BRANCHES WHICH CROSS, THE MAIN LEADER OF DECIDUOUS TREES SHOULD NOT BE CUT BACK. LONG SIDE BRANCHES MUST BE SHORTENED.
- UNLESS OTHERWISE NOTED, ALL DECIDUOUS AND EVERGREEN TREES SHALL HAVE A SINGLE TRUNK.
- DECIDUOUS AND EVERGREEN TREES WHICH ARE B&B SHALL BE DRUM LACED IN LIEU OF WIRE BASKETS.



**DECIDUOUS TREE PLANTING DETAIL**  
N.T.S.



**PLAN**  
SCALE : 1"=50'



**LEGEND**



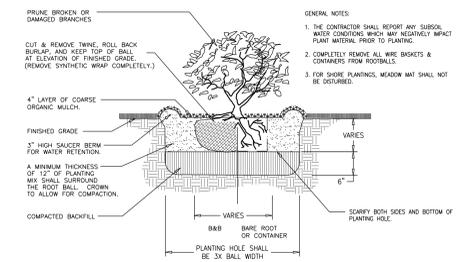
**PLANT LIST**

KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
BN	BETULA NIGRA 'HERITAGE'	RIVER BIRCH	6	3" CALIPER	SINGLE STEM
QI	QUERCUS IMBRICARIA	SHINGLE OAK	1	3" CALIPER	
GT	GLEDITSIA TRIACANTHOS	HONEY LOCUS	6	3" CALIPER	
UA	ULMUS AMERICANA	AMERICAN ELM	7	3" CALIPER	
AG	AMELANCHIER X GRANDIFLORA	APPLE SERVICEBERRY	1	8' TALL	MULTI-STEM
MP	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	8	#3 CONT.	
RA	RHUS AROMATICA	DWARF AROMATIC SUMAC	16	#3 CONT.	
RC	RHUS COPALINA	SHINING SUMAC	8	#3 CONT.	
DC	DESCHEMPSIA CESPITOSA	TUFTED HAIR GRASS	150	LP 50 PLUGS	
PV	PANICUM VIRGATUM	SWITCHGRASS	375	LP 50 PLUGS	

**NOTE:**  
1. ALL EXTERIOR GROUND AREAS NOT OCCUPIED BY BUILDINGS, STRUCTURES AND PAVING (EXCEPT AREAS INDICATED TO BE UNDISTURBED AND PLANTING BEDS) SHALL BE PREPARED AND SODDED.

**IRRIGATION NOTE:**

- SODDING, PLANTING BEDS, PARKING LOT TREES AND DRIVEWAY ENTRANCE ISLANDS SHALL BE IRRIGATED AS SPECIFIED UNDER TECHNICAL SPECIFICATION SECTION 028100.



**SHRUB PLANTING DETAIL**  
N.T.S.

**LANDSCAPING PLAN**

**DeBlasio & Associates**  
CONSULTING ENGINEERS AND PLANNERS

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Certification of Authorization No. 24622824900

**COUNTY COMMONS PHASE II  
SITE WORK IMPROVEMENTS  
3801 ROUTE 9 SOUTH  
BLOCK 1450, LOTS 5 & 10  
TOWNSHIP OF MIDDLE  
CAPE MAY COUNTY, NEW JERSEY**



UTILITY MARKOUT REQUIRED; CONTRACTOR IS RESPONSIBLE TO CALL NEW JERSEY ONE CALL (800-272-1000) FOR UTILITY MARK-OUT 3 FULL BUSINESS DAYS PRIOR TO COMMENCEMENT OF EXCAVATION.

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 Marc A. DeBlasio  
 Marc A. DeBlasio, PE  
 New Jersey License No. 41599  
 Scale: AS NOTED, Date: 2/10/2020, Sheet No., Total: 8

**SOIL EROSION AND SEDIMENT CONTROL NOTES**

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE NJ STANDARDS FOR SOIL EROSION CONTROL AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN TEN (10) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BOUND IN ACCORDANCE WITH THE NJ STANDARDS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE NJ STANDARDS.
- STABILIZATION SPECIFICATIONS:
  - TEMPORARY SEEDING AND MULCHING:
    - LIME - 90 LBS./1,000 SF. GROUND LIMESTONE; FERTILIZER - 14 LBS./1,000 SF. 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4"
    - SEED - PERENNIAL RYEGRASS 100 LBS./ACRE OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
    - MULCH - SALT HAY OR SMALL GRASS STRAW AT A RATE OF 70 TO 90 LBS./1,000 SF. TO BE APPLIED ACCORDING TO THE NJ STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
  - PERMANENT SEEDING AND MULCHING:
    - LIME - 90 LBS./1,000 SF. GROUND LIMESTONE; FERTILIZER - 14 LBS./1,000 SF. 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4"
    - SEED - PERENNIAL RYEGRASS 40 LBS./ACRE OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
    - MULCH - SALT HAY OR SMALL GRASS STRAW AT A RATE OF 70 TO 90 LBS./1,000 SF. TO BE APPLIED ACCORDING TO THE NJ STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
- TEMPORARY BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS IN ACCORDANCE WITH SECTION 2.1 OF THE NJ STANDARDS.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM-WATER RUN-OFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
- STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FENCE.
- A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 2 1/2" CRUSHED STONE, 8" THICK, WILL BE AT LEAST 30' X 100' AND SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED.
- MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- ALL DRIVEWAYS MUST BE STABILIZED WITH 2 1/2" CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- ALL CATCH BASIN INLETS WILL BE PROTECTED WITH A CRUSHED STONE OR FABRIC FILTER (FILTER DETAILS APPEAR ON THE PLAN).
- ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- ALL DETAHERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHOULD BE COMPOSED OF A SUITABLE SEDIMENT FILTER FABRIC (SEE DETAIL).
- THE CAPE/ATLANTIC SOIL CONSERVATION DISTRICT MUST BE NOTIFIED, IN WRITING, AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBANCE.
- THE CAPE/ATLANTIC SOIL CONSERVATION DISTRICT MAY REQUIRE ADDITIONAL MEASURES TO MINIMIZE ON-OR OFF-SITE EROSION PROBLEMS DURING CONSTRUCTION.

**TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION**

- SITE PREPARATION
  - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDING PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING.
  - INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.
- SEEDBED PREPARATION
  - APPLY LIMESTONE AND FERTILIZER. 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. APPLY LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) AS FOLLOWS:
 

SOIL TEXTURE	TONS/ACRE	LBS./1000 SQ. FT.
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	4	180
SANDY LOAM, LOAM, SILT LOAM	2	90
LOAMY SAND, SAND	1	45

 PULVERIZED DOLOMITIC LIMESTONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE.
  - WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARRROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARRROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED IS PREPARED.
  - 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, CLODS, LUMPS, OR OTHER DEBRIS TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COURSE TEXTURED SOIL.
  - INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AS ABOVE.
  - SOILS HIGH ON SULFIDES OR HAVING A PH OF 4 OR LESS SHOULD BE MULCHED ONLY.
- SEEDING
  - SEE TEMPORARY SEED MIXTURE FOR SPECIES AND APPLICATION RATES.
  - APPLY SEED UNIFORMLY BY HAND, CYCLONE(CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL, CUTPACKER SEEDER, OR HYDROSEEDER. MULCH SHALL NOT BE INCLUDED IN A HYDRO-SEEDER TANK WITH SEED. SEED SHALL BE INCORPORATED INTO THE SOIL BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COURSE TEXTURED SOIL.
  - AFTER SEEDING, FIRING THE SOIL SHALL BE PERFORMED WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDING EMERGENCE.
- MULCHING
  - MULCHING IS REQUIRED ON ALL SEEDING.
  - MULCH MATERIALS SHOULD BE UNRITTED SMALL GRASS STRAW, HAY FREE OF SEEDS, OR SALT HAY 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 CHIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKLING OR ADHESIVE AGENT), THE RATE OF APPLICATION MUST BE DOUBLE THE LOWER RATE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MATERIAL.
  - SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 70% TO 80% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.
  - MULCH ANCHORING SHOULD 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 CROSS-CROSS AND SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
    - MULCH NETTING - STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTING TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
    - CRIMPER/MULCH ANCHORING TOOL - A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARRROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKLING OR ADHESIVE AGENT IS REQUIRED.
  - WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE MAY BE APPLIED BY A HYDROSEEDER. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.

**TEMPORARY SEEDING MIXTURE**

THIS SEEDING MIXTURE IS COMPOSED OF A SINGLE SPECIES WHICH GERMINATES QUICKLY IN ORDER TO REDUCE SOIL EROSION UNTIL A PERMANENT VEGETATIVE COVER CAN BE COVER ESTABLISHED. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE.

%	COMMON NAME	BOTANICAL NAME
100%	PERENNIAL RYEGRASS	LOLIUM PERENNE

THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FOUR (4) POUNDS/1000 SQUARE FEET OR 160 POUNDS/ACRE.

THE OPTIMAL SEEDING DATES FOR PERENNIAL RYEGRASS FOR CAPE-ATLANTIC REGION ARE 2/15 - 4/30 AND 8/15 - 10/30. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION.

**PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION**

- SITE PREPARATION
  - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDING PREPARATION, SEEDING, MULCH APPLICATION, AND MAINTENANCE.
  - INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.
- SEEDBED PREPARATION
  - APPLY LIMESTONE AND FERTILIZER. 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. APPLY LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) AS FOLLOWS:
 

SOIL TEXTURE	TONS/ACRE	LBS./1000 SQ. FT.
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	4	180
SANDY LOAM, LOAM, SILT LOAM	2	90
LOAMY SAND, SAND	1	45

 PULVERIZED DOLOMITIC LIMESTONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE.
  - WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARRROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARRROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED IS PREPARED.
  - 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, CLODS, LUMPS, OR OTHER DEBRIS TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COURSE TEXTURED SOIL.
  - INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED AS ABOVE.
- SEEDING
  - SEE PERMANENT SEED MIXTURE FOR SPECIES AND APPLICATION RATES.
  - APPLY SEED UNIFORMLY BY HAND, CYCLONE(CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL, CUTPACKER SEEDER, OR HYDROSEEDER. MULCH SHALL NOT BE INCLUDED IN A HYDRO-SEEDER TANK WITH SEED. EXCEPT FOR DRILLED, HYDROSEDED OR CUTPACKED SEEDING, SHALL BE INCORPORATED INTO THE SOIL TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COURSE TEXTURED SOIL.
  - AFTER SEEDING, FIRING THE SOIL SHALL BE PERFORMED WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDING EMERGENCE.
- MULCHING
  - MULCHING IS REQUIRED ON ALL SEEDING.
  - MULCH MATERIALS SHOULD BE UNRITTED SMALL GRASS STRAW, HAY FREE OF SEEDS, OR SALT HAY 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 CHIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKLING OR ADHESIVE AGENT), THE RATE OF APPLICATION MUST BE DOUBLE THE LOWER RATE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MATERIAL.
  - SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 70% TO 80% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.
  - MULCH ANCHORING SHOULD 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 CROSS-CROSS AND SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
    - MULCH NETTING - STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTING TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
    - CRIMPER/MULCH ANCHORING TOOL - A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARRROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKLING OR ADHESIVE AGENT IS REQUIRED.
  - WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE MAY BE APPLIED BY A HYDROSEEDER. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.

**PERMANENT SEEDING MIXTURE (DRY)**

THIS SEEDING MIXTURE IS COMPOSED OF DROUGHT-TOLERANT SPECIES WHICH CAN THRIVE WITH LOW MAINTENANCE. THE PROPRIETARY NAME OF THE MIXTURE IS RECLAIM CONSERVATION. MIXTURE FORMULA AS MANUFACTURED BY LOGS, INC., ROUND BROOK, ILL. (800)526-3890. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE.

%	COMMON NAME	BOTANICAL NAME
50	CLEMATINE TALL FESCUE	FESTUCA ARUNDINACEA "CLEMFINE"
20	RELIANT HARD FESCUE	FESTUCA LONGIFOLIA "RELIANT"
10	JAMESTOWN CHEWINKS FESCUE	FESTUCA HUBRA VAR. COMMUTATA "JAMESTOWN"
10	PALMER PERENNIAL RYE	LOLIUM PERENNE "PALMER"
5	WHITE CLOVER	TRIFOLIUM REPENS
5	BLACKWELL SWITCHGRASS	PANICUM VIRGATUM "BLACKWELL"

THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FOUR (4) POUNDS/1000 SQUARE FEET OR 175 POUNDS/ACRE.

THE OPTIMAL SEEDING DATES FOR MOST COOL SEASON GRASSES FOR CAPE-ATLANTIC REGION ARE 2/15 - 4/30 AND 8/15 - 10/30. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION.

**PERMANENT SEEDING MIXTURE (MOIST)**

THIS SEEDING MIXTURE IS COMPOSED OF MOISTURE-TOLERANT SPECIES WHICH CAN THRIVE WITH LOW MAINTENANCE. THE PROPRIETARY NAME OF THE MIXTURE IS RECLAIM CONSERVATION. MIXTURE FORMULA AS MANUFACTURED BY LOGS, INC., ROUND BROOK, ILL. (800)526-3890. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE.

%	COMMON NAME	BOTANICAL NAME
55	CLEMFINE TALL FESCUE	FESTUCA ARUNDINACEA "CLEMFINE"
15	MASSAU KENTUCKY BLUEGRASS	POA PRATIENSIS "MASSAU"
10	PALMER PERENNIAL RYE	LOLIUM PERENNE "PALMER"
10	CLASSEL POA TRIVIALIS	POA TRIVIALIS "CLASSEL"
5	STREAKER REDTOP	AGROSTIS ALBA "STREAKER"
5	REED CANARY GRASS	PHALARIS ARUNDINACEA

THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FIVE (5) POUNDS/1000 SQUARE FEET OR 220 POUNDS/ACRE.

THE OPTIMAL SEEDING DATES FOR MOST COOL SEASON GRASSES FOR CAPE-ATLANTIC REGION ARE 2/15 - 4/30 AND 8/15 - 10/30. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION.

**SPECIAL NOTES**

- TEMPORARY STABILIZATION - ALL EXPOSED AREAS NOT TO BE CONSTRUCTED UPON WITHIN 14 DAYS SHOULD RECEIVE TEMPORARY STABILIZATION. THE TEMPORARY SEEDING MIXTURES SHALL BE ANNUAL RYE GRASS AT A RATE OF 4 POUNDS PER 1000 SQ. FT. AND LIME AT A RATE OF 45 LBS. PER 1000 SQ. FT.
- PERMANENT STABILIZATION - ALL EXPOSED AREAS WHICH ARE TO BE PERMANENTLY VEGETATED SHOULD BE SEEDED WITHIN 7 DAYS OF FINAL GRADING, ACCORDING TO THE PERMANENT SEEDING SPECIFICATIONS.

**TOP SOILING**

TOPSOIL SHOULD BE USED WHERE SOILS ARE SANDS, GRAVELY SOILS, CLAYS, SILTY CLAYS, VERY SHALLOW, OR WHERE THEY ARE EXTREMELY ACID (LESS THAN PH4.0) OR SALTY (CATION ACTIVITY GREATER THAN 1.0 MILLIMOLES PER CENTIMETER), OR WHERE TOPSOIL IS AVAILABLE ON SITE AND ASSURANCE OF MODIFIED VEGETATIVE GROWTH IS DESIRED.

- MATERIALS
  - TOPSOIL SHOULD BE FRAGILE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH. A PH RANGE OF 5.0-7.5 IS ACCEPTABLE. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE. CONDUCTIVITY LESS THAN 15 MILLIMOHS PER CENTIMETER. TOPSOIL Hauled IN FROM OFF SITE SHOULD HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT ORGANIC MATTER. CONTENT MAY BE RAISED BY ADDITIVES.
- STRIPPING AND STOCKPILING
  - A FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND/OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.
  - STRIPPING SHOULD BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
  - WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL PH TO 6.5. IN LIEU OF SOIL TESTS, SEE LIME RATE GUIDE IN SEEDBED PREPARATION FOR PERMANENT VEGETATIVE COVER.
  - A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL.
  - STACKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
  - STACKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH TEMPORARY SEEDING STANDARDS PREVIOUSLY DESCRIBED HEREIN.
- SITE PREPARATION
  - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE.
  - 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.
  - IMMEDIATELY PRIOR TO TOPSOIL DISTRIBUTION, THE SURFACE SHOULD BE SCARRIFIED 6" - 12" WHERE THERE HAS BEEN SOIL COMPACTION.
  - EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS.
- APPLYING TOPSOIL
  - TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE. LESS THAN FIELD CAPACITY.
  - A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS RECOMMENDED. SOILS WITH A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE.

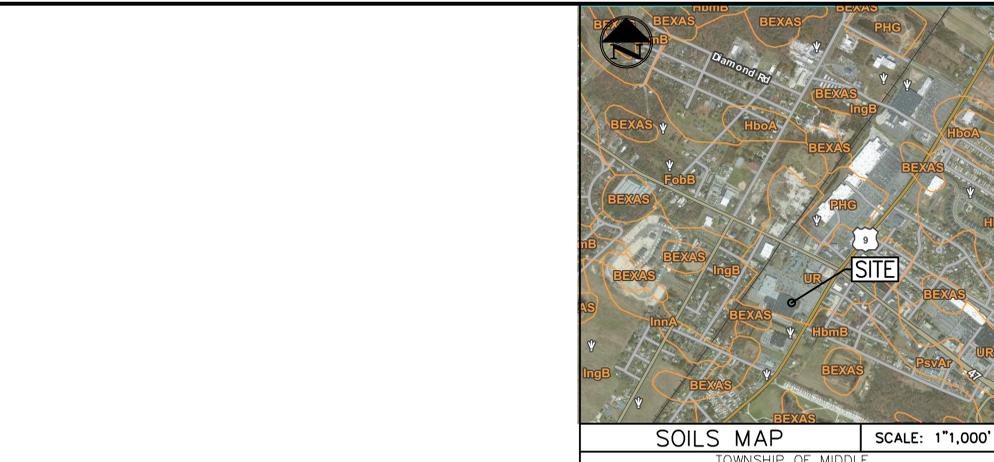
**DUST CONTROL**

- THE PURPOSE OF DUST CONTROL MEASURES IS TO PREVENT THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON-SITE AND OFF-SITE DAMAGE & HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.
  - MULCHES - REVIEW MULCHING NOTES ABOVE.
  - VEGETATIVE COVER - REVIEW NOTES ON TEMPORARY COVER.
  - SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS); KEEP TRAFFIC OFF THESE AREAS.
- MATERIAL
 

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLON/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	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED SOLIDS. SEE SEDIMENT BASIN STANDARD, PAGE 26-1.		
ADJULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200
- TILLAGE - 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 MOUNDWARD SIDE OF SITE. CRIBS - PLOWS SPACED ABOUT 12 INCHES APART, AND SPRING-TOOTHED HARRROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- SPRINKLING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.
- BARBERS - SOLID BARRIERS, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
- STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

**GENERAL NOTES:**

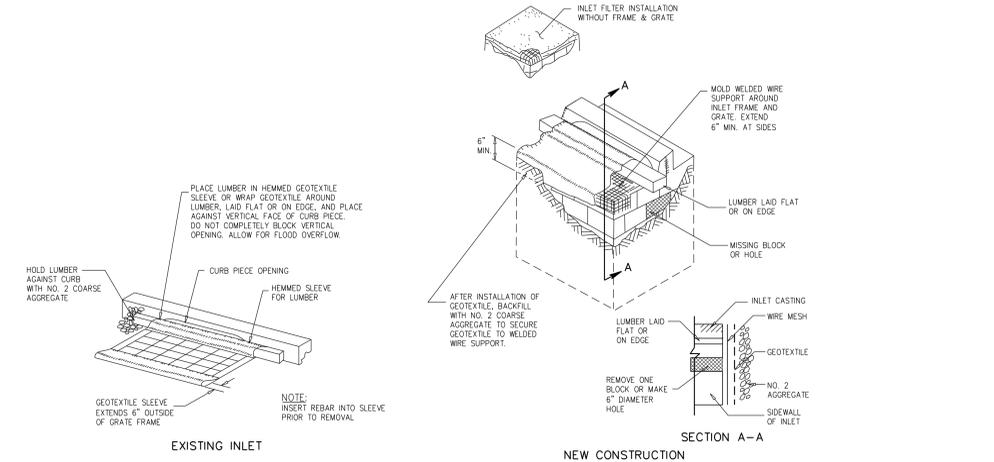
- A REPORT OF COMPLIANCE MUST BE OBTAINED FROM THE DISTRICT PRIOR TO RECEIVING A CERTIFICATE OF OCCUPANCY FROM THE MUNICIPALITY. A REQUEST FOR A DISTRICT INSPECTION FOR THE RELEASE OF A REPORT OF COMPLIANCE MUST BE MADE 5 WORKING DAYS IN ADVANCE. THIS APPLIES TO BOTH COMPLETE (FINAL) AND CONDITIONAL (TEMPORARY) CERTIFICATES. ALL STREETS AND UNITS MUST BE PROPERLY IDENTIFIED. A REPORT OF COMPLIANCE WILL NOT BE RELEASED FOR A UNIT IF IT CAN NOT BE IDENTIFIED. IDENTIFY ALL UNITS AT THE SITE BY BLOCK, LOT, AND STREET ADDRESS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
- THE CONTRACTOR SHALL REMOVE ANY SEDIMENT THAT MAY BE SPILLED, DROPPED OR TRACKED OFF THE PROJECT SITE. ALL PAVED RIGHT-OF-WAYS ADJACENT TO THE PROJECT SITE MUST BE MAINTAINED IN A CLEAN, SWIFT CONDITION THROUGHOUT CONSTRUCTION.



**SOILS MAP** SCALE: 1"=100'  
TOWNSHIP OF MIDDLE

**SOIL CLASSIFICATION:**

SOIL MAP PROVIDED BY WEB SOIL SURVEY, NATIONAL COOPERATIVE SOIL SURVEY, USDA NATIONAL RESOURCES CONSERVATION SERVICE  
PROJECT IS IN: UR - URBAN LAND  
BEXAS = BERRILLAND AND MULLICA SOILS, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED



**INLET FILTERS, TYPE 1**  
N.T.S.



Usage:	Design:	Issue:	Date:
CN:	CN:	MAJ:	02/10/2020
NO.	DATE	APPR.	REVISION

**SOIL EROSION & SEDIMENT CONTROL DETAILS**

**DeBlasio & Associates**  
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**COUNTY COMMONS PHASE II SITE WORK IMPROVEMENTS**  
3801 ROUTE 9 SOUTH  
BLOCK 1450, LOTS 5 & 10  
TOWNSHIP OF MIDDLE  
CAPE MAY COUNTY, NEW JERSEY

Usage: CN Date: 02/10/2020  
Design: CN Issue: MAJ  
No. 2 Aggregate  
Side Wall of Inlet

DATE: 2/10/2020  
MARC A. DEBLASIO, PE  
New Jersey License No. 41599  
Scale: AS NOTED Issue: 8 Sheet: 8 of 8

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