

ROSS STREET AND N. JAMES STREET PARKING LOT

TOWNSHIP OF WOODBRIDGE, MIDDLESEX COUNTY, NEW JERSEY

AUGUST, 2023

CONTRACT # 2023-017



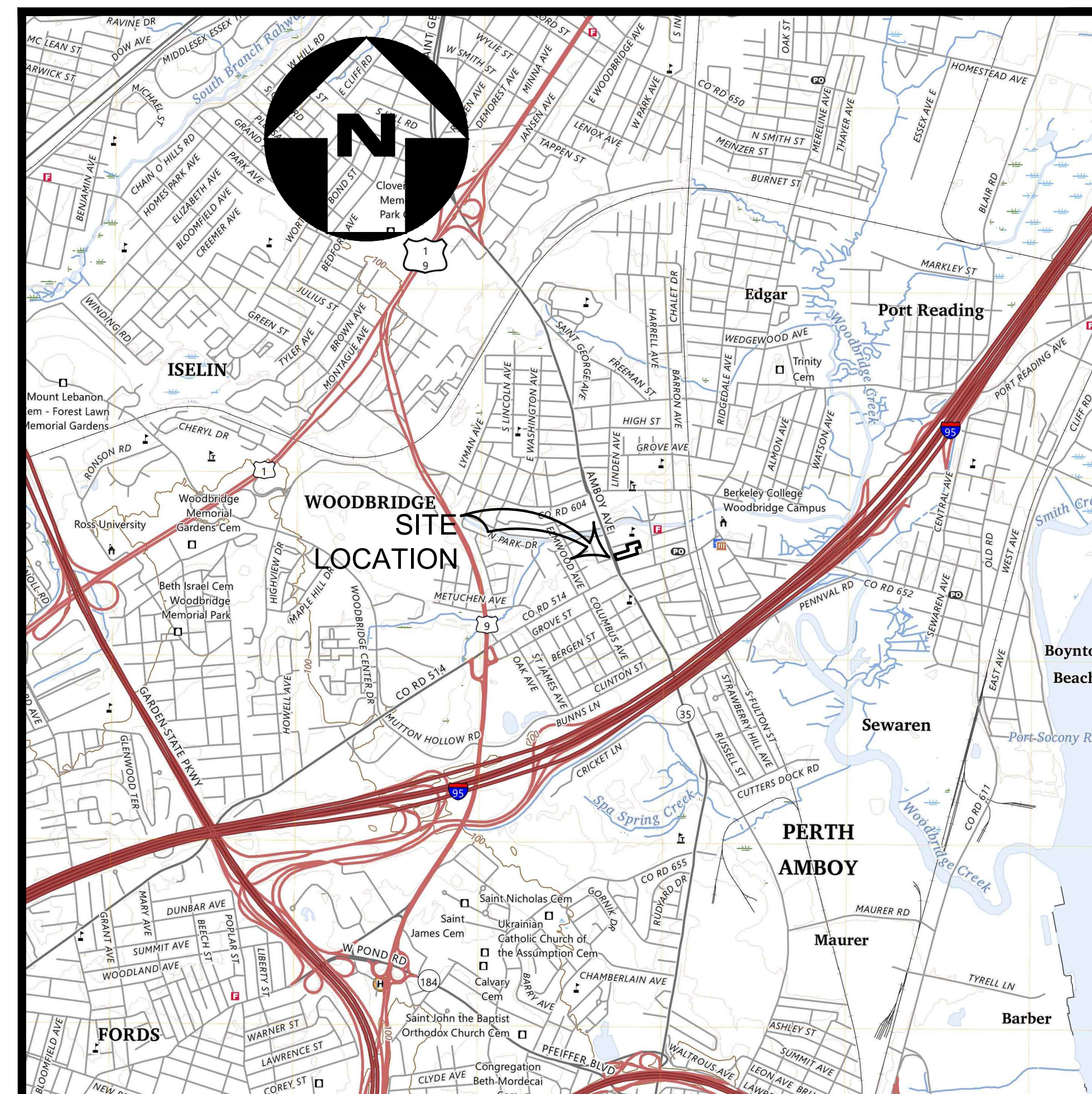
PUBLIC UTILITIES			
UTILITIES	SERVICE	CONTACT	TELEPHONE
ELECTRIC	PSE&G	FRANK LUCCHESI	(609) 638-7608
TELEPHONE	VERIZON	GINA GONNELLA-BARTZ	(908) 412-3984
CABLE	COMCAST	RICHARD GUTUALSKI	(732) 602-7444
GAS	ELIZABETHTOWN GAS COMPANY	BRUCE GARRETT	(908) 662-8311
WATER	MIDDLESEX WATER COMPANY	BRIAN CARR	(732) 634-1500
SEWER	TOWNSHIP OF WOODBRIDGE	MIKE GELIN	(732) 602-6047

INDEX OF SHEETS	
SHEET NUMBERS	DESCRIPTION
1	KEY SHEET
2	EXISTING CONDITIONS & DEMOLITION PLAN
3	LAYOUT PLAN
4	SOIL EROSION AND SEDIMENT CONTROL DETAILS
5	CONSTRUCTION DETAILS

JOHN E. McCORMAC - MAYOR

TOWNSHIP COUNCIL

- | | |
|---------------------------|---|
| GREGG M. FICARRA | COUNCIL PRESIDENT, COUNCILMAN-AT-LARGE |
| KYLE ANDERSON | COUNCIL VICE-PRESIDENT, COUNCILMAN-AT-LARGE |
| SHARON McAULIFFE | COUNCILWOMAN - FIRST WARD |
| HOWIE BAUER | COUNCILMAN - SECOND WARD |
| CORY SPILLAR | COUNCILMAN - THIRD WARD |
| VIRBHADRA N. PATEL | COUNCILMAN - FOURTH WARD |
| DEBBIE MEEHAN | COUNCILWOMAN - FIFTH WARD |
| LIZBETH DeJESUS | COUNCILWOMAN-AT-LARGE |
| BRIAN SMALL | COUNCILMAN-AT-LARGE |
| | |
| VITO CIMILLUCA | BUSINESS ADMINISTRATOR |
| JOHN M. MITCH | MUNICIPAL CLERK |
| JAMES P. NOLAN, JR., ESQ. | DIRECTOR OF LAW |
| GEORGE T. BREW | DIRECTOR OF PUBLIC WORKS |
| MICHAEL GELIN, PE | MUNICIPAL ENGINEER |



KEY MAP

SCALE: 1" = 4000'

SOURCE: U.S.G.S. QUADRANGLE MAP
WOODBRIDGE, NJ-PANEL (PERTH AMBOY)

UNDERGROUND LOCATION SERVICE CALL: 1-800-272-1000.

NOTE: LOCATION OF UTILITIES AS SHOWN ON THESE PLANS ARE PLOTTED FROM AVAILABLE DATA ON FILE WITH THE UTILITY COMPANIES AND IS NOT GUARANTEED AS TO EXACTNESS. THE CONTRACTOR IS TO CONTACT UTILITY COMPANIES 72 HOURS PRIOR TO CONSTRUCTION TO DETERMINE EXACT LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL USE THE UTILITY LOCATIONS SHOWN AS AN AID IN DETERMINING EXACT LOCATIONS. CONTRACTOR SHALL NOT START CONSTRUCTION UNTIL SUPPLYING THE TOWNSHIP ENGINEER WITH THE ONE-CALL CONFIRMATION NUMBER.

THE NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF 2019 TO GOVERN, AS MODIFIED BY THE TECHNICAL SPECIFICATIONS.
NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD ROADWAY CONSTRUCTION/TRAFFIC CONTROL/BRIDGE CONSTRUCTION DETAILS (2016) AND ELECTRICAL DETAILS (2007) ARE APPLICABLE TO THIS PROJECT EXCEPT FOR THOSE DETAILS CONTAINED HEREIN.

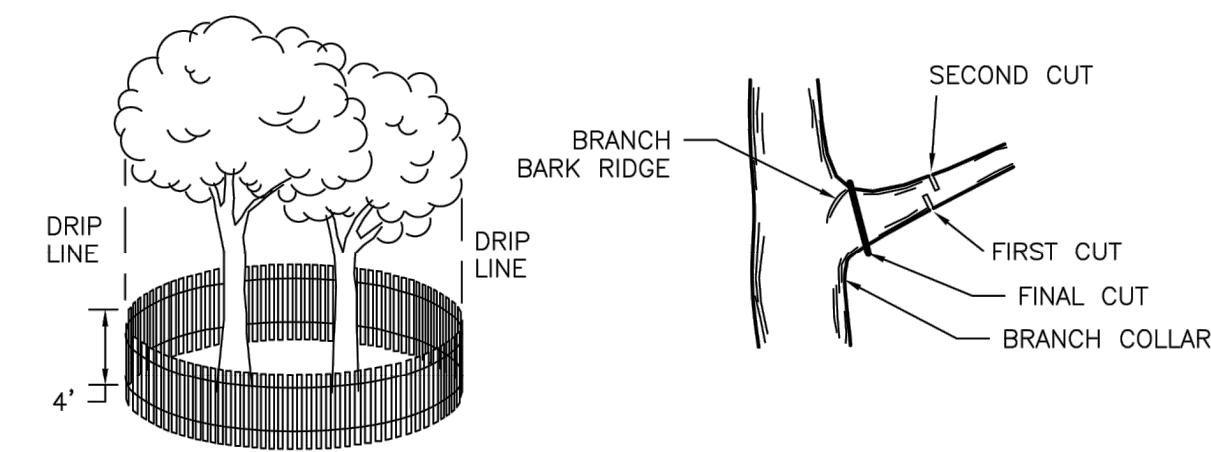
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Mark J. Jarszewski
Mark J. Jarszewski
 NEW JERSEY LICENSED PROFESSIONAL ENGINEER
 LICENSE NUMBER: GE45561
 COLLIER'S ENGINEERING & DESIGN, INC.
 N.J. C.O.A. # 246A-27986500

1. THE FREEHOLD SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY.
2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
3. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
4. N.J.S.A. 4:24-39 ET. SEQ. REQUIRES THAT NO CERTIFICATES OF OCCUPANCY BE ISSUED BEFORE THE DISTRICT DETERMINES THAT A PROJECT OR PORTION THEREOF IS IN FULL COMPLIANCE WITH THE CERTIFIED PLAN AND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY AND A REPORT OF COMPLIANCE HAS BEEN ISSUED. UPON WRITTEN REQUEST FROM THE APPLICANT, THE DISTRICT MAY ISSUE A REPORT OF COMPLIANCE WITH CONDITIONS ON A LOT-BY-LOT OR SECTION-BY-SECTION BASIS, PROVIDED THAT THE PROJECT OR PORTION THEREOF IS IN SATISFACTORY COMPLIANCE WITH THE SEQUENCE OF DEVELOPMENT AND TEMPORARY MEASURES FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN IMPLEMENTED, INCLUDING PROVISIONS FOR STABILIZATION AND SITE WORK.
5. 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.
6. 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.
7. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS, AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN FIFTEEN (15) DAYS OF THE PRELIMINARY GRADING.
8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE. AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOTS REQUIRE A STABILIZED CONSTRUCTION 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.
9. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAYS WILL BE REMOVED IMMEDIATELY.
10. PERMANENT VEGETATION IS TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING.
11. AT THE TIME THAT SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
12. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS/ACRE, (OR 450 LBS/1,000 SQ FT OF SURFACE AREA) AND COVERED WITH A MINIMUM F 12" OF SETTLED SOIL WITH A PH OF 5 OR MORE, OR 24" WHERE TREES OR SHRUBS ARE TO BE PLANTED.
13. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
14. UNFILTERED DEWATERING IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER. ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE WITH THE STANDARD FOR DEWATERING.
15. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL.
16. STOCKPILE AND STAGING LOCATIONS ESTABLISHED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMIT OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN. CERTIFICATION OF A NEW SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE REQUIRED FOR THESE ACTIVITIES IF AN AREA GREATER THAN 5,000 SQUARE FEET IS DISTURBED.
17. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #6.
18. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

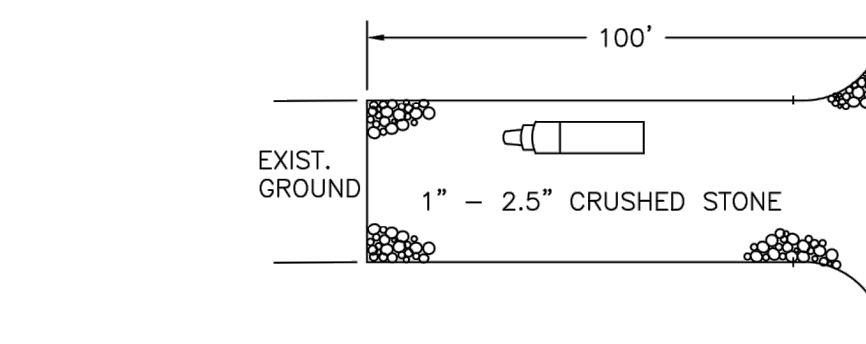
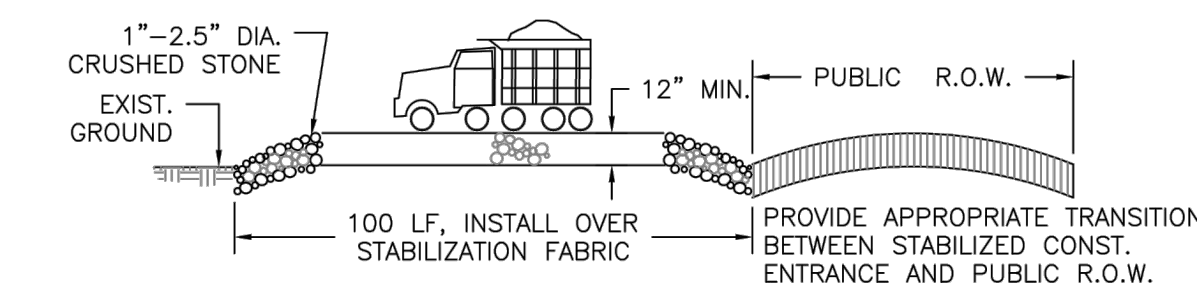
CURRENT AS OF SEPT. 2020

4000 Kozloski Road,
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Phone: (732) 683-8500
Fax: (732) 683-9140
Email: info@freeholdscd.org

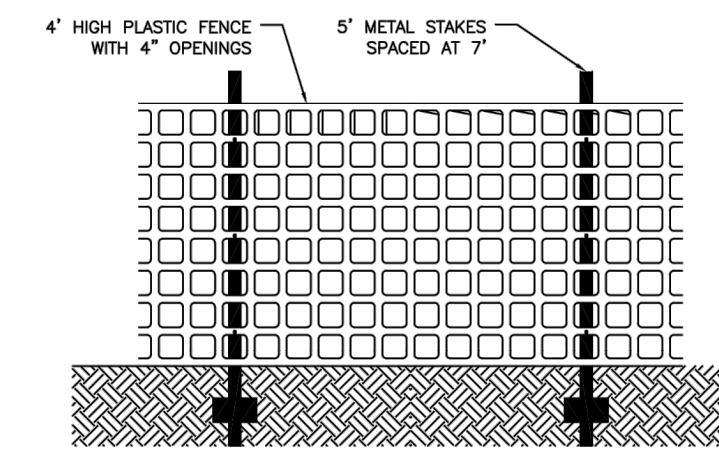


- NOTES:
1. TREE PROTECTION SHALL BE PROVIDED FOR ANY AND ALL TREES TO BE PROTECTED DURING AND AFTER CONSTRUCTION.
 2. 4 FOOT HIGH SNOW FENCE SHALL BE PLACED AT THE DRIP LINE OF THE TREE AND ENCIRCLE THE ENTIRE TREE.
 3. ROOTS SHALL NOT BE CUT IN ANY AREA INSIDE THE DRIP LINE OF THE BRANCHES.
 4. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE FLUSH WITH TRUNK OR MAIN LIMB, GOOD GRADE OF TREE PAINT AND BE PERFORMED UNDER THE SUPERVISION OF A LICENSED NURSERYMAN.

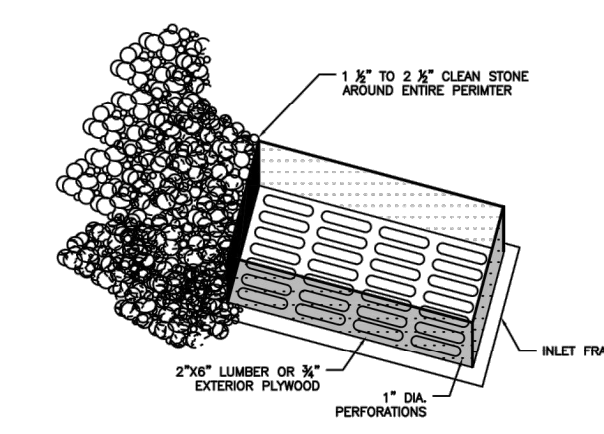
1 TREE PROTECTION AND LIMB REMOVAL
DT-6 N.T.S.



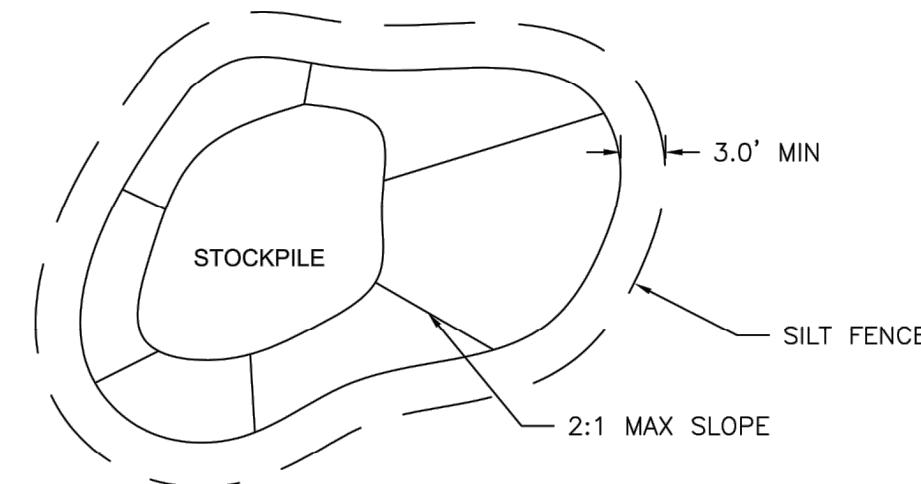
2 CONSTRUCTION ENTRANCE
DT-6 N.T.S.



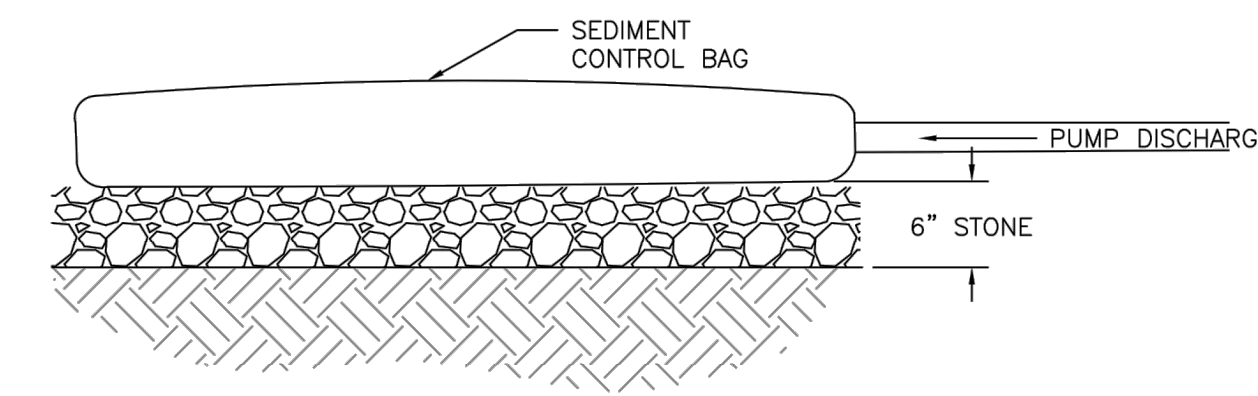
3 ORANGE BARRIER FENCE
DT-6 N.T.S.



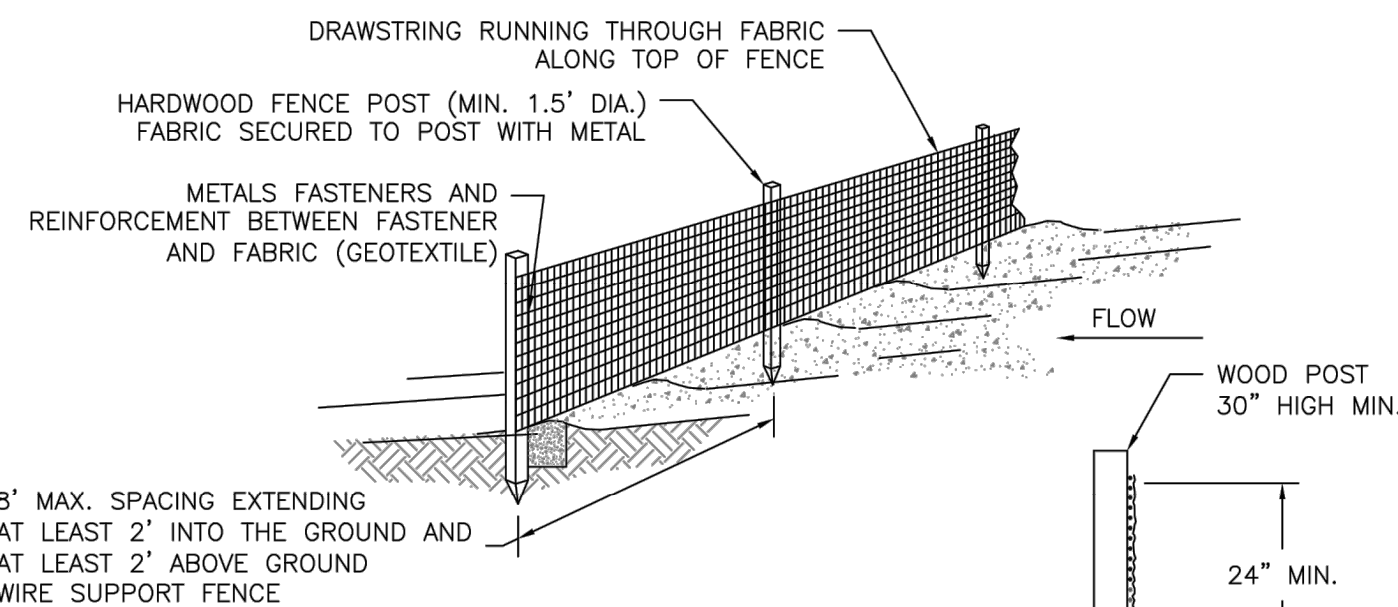
4 INLET PROTECTION
DT-6 N.T.S.



5 STOCKPILING AREA DETAIL
DT-6 N.T.S.

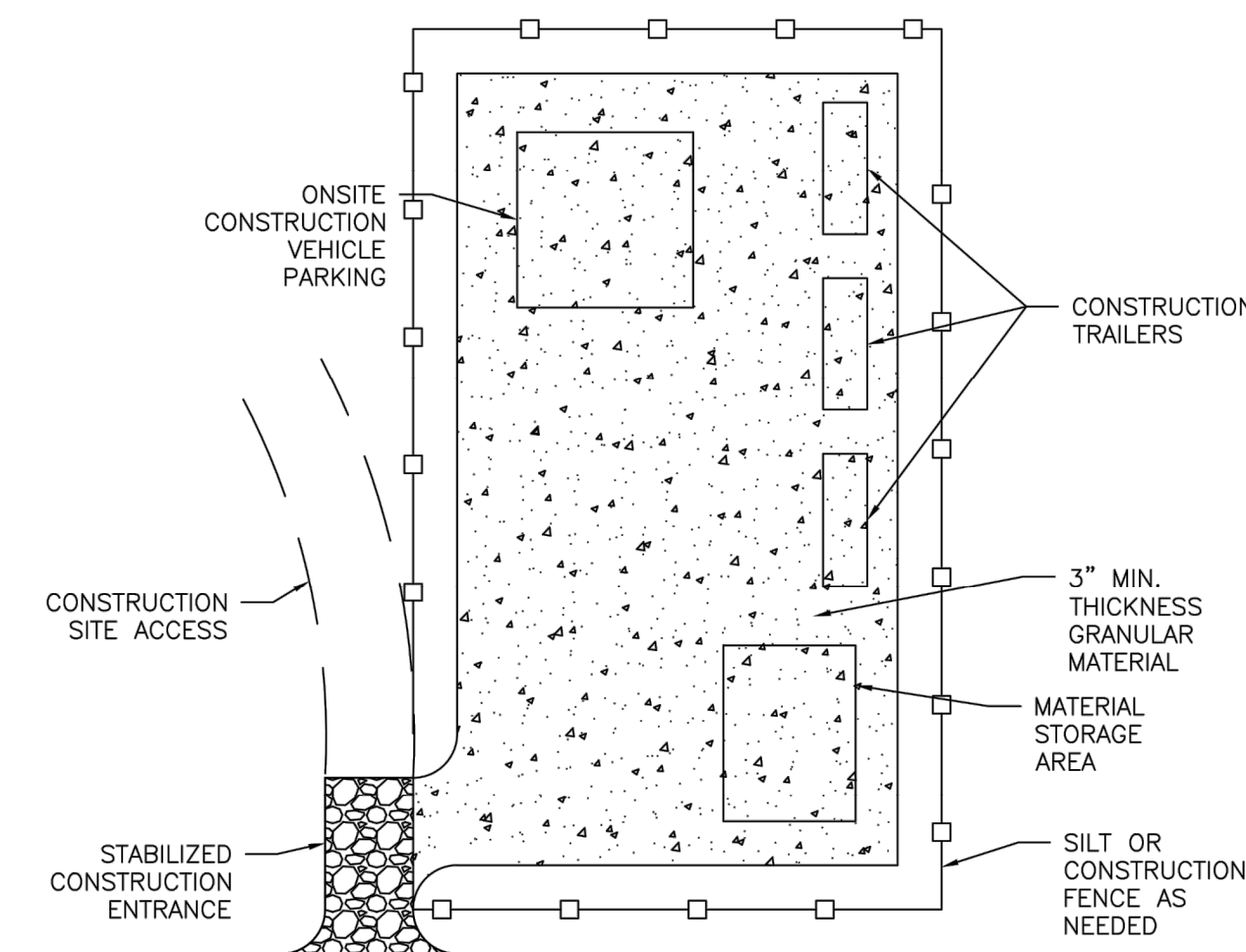


6 DEWATERING ELEVATION DETAIL
DT-6 N.T.S.

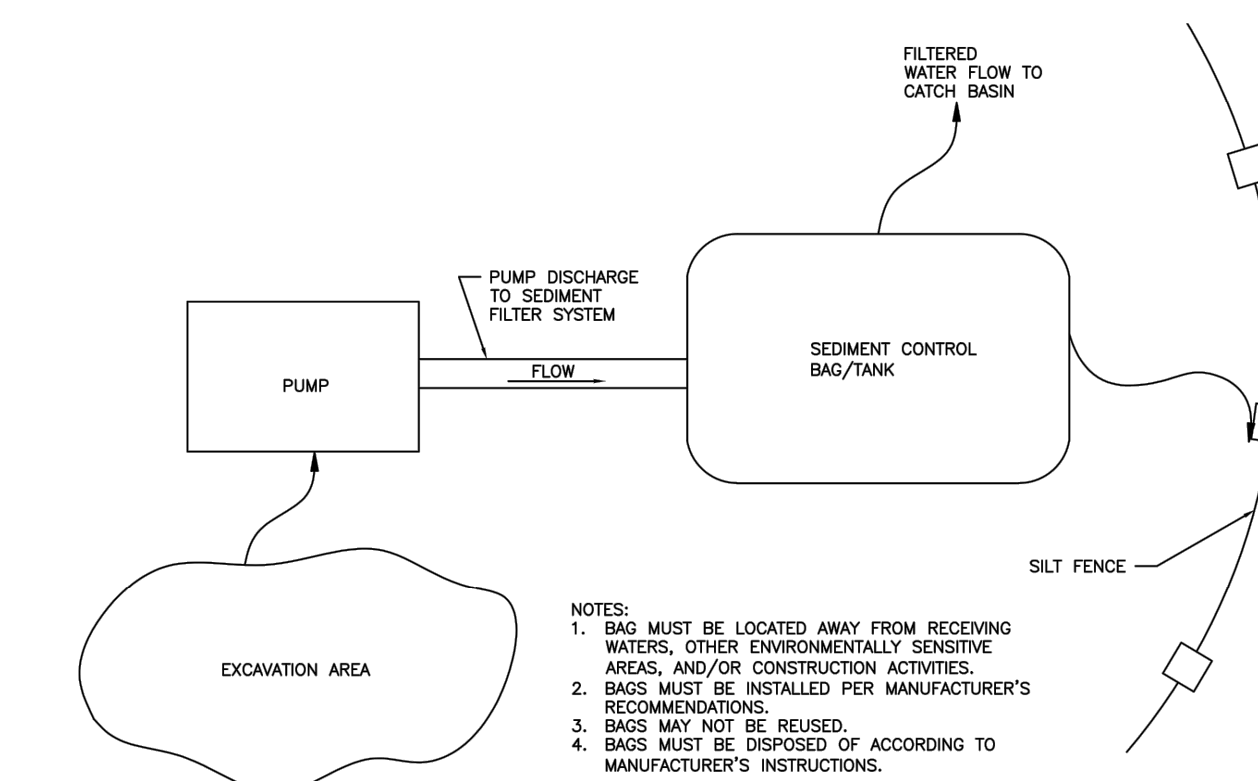


- NOTES:
1. SILT FENCE SHALL BE PLACED ALONG SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
 2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. (9\"/>

7 SILT FENCE
DT-6 N.T.S.



8 STAGING AREA DETAIL
DT-6 N.T.S.



9 DEWATERING PLAN DETAIL
DT-6 N.T.S.

REV	DATE	DRAWN BY	DESCRIPTION

Colliers Engineering & Design
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WOODBRIDGE TOWNSHIP

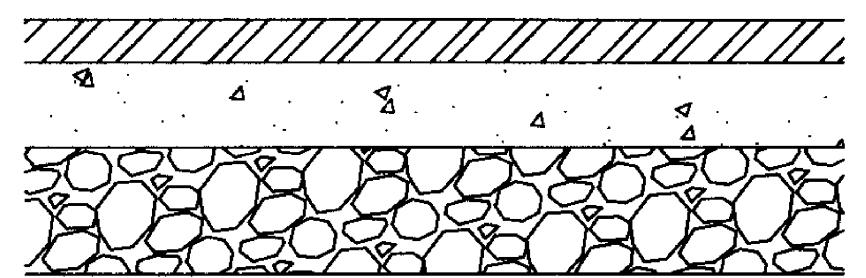
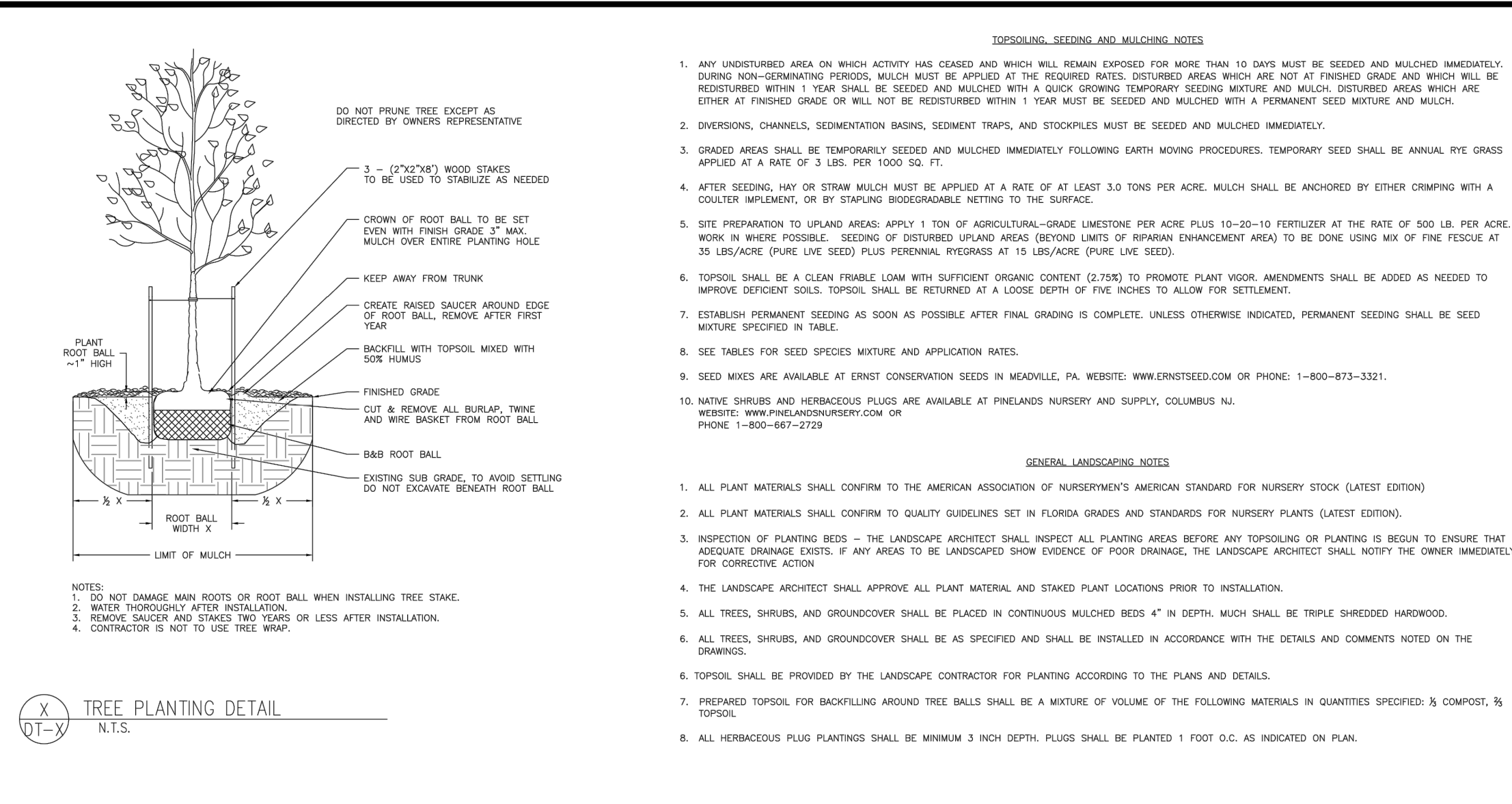
SOIL EROSION AND SEDIMENT CONTROL DETAILS

ROSS STREET AND N. JAMES STREET PARKING LOT

WOODBRIDGE TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

Mark J. Jarszewski
NEW JERSEY LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: G645561
COLLIERS ENGINEERING & DESIGN, INC.
N.J. C.O.A. #: 246A27986500

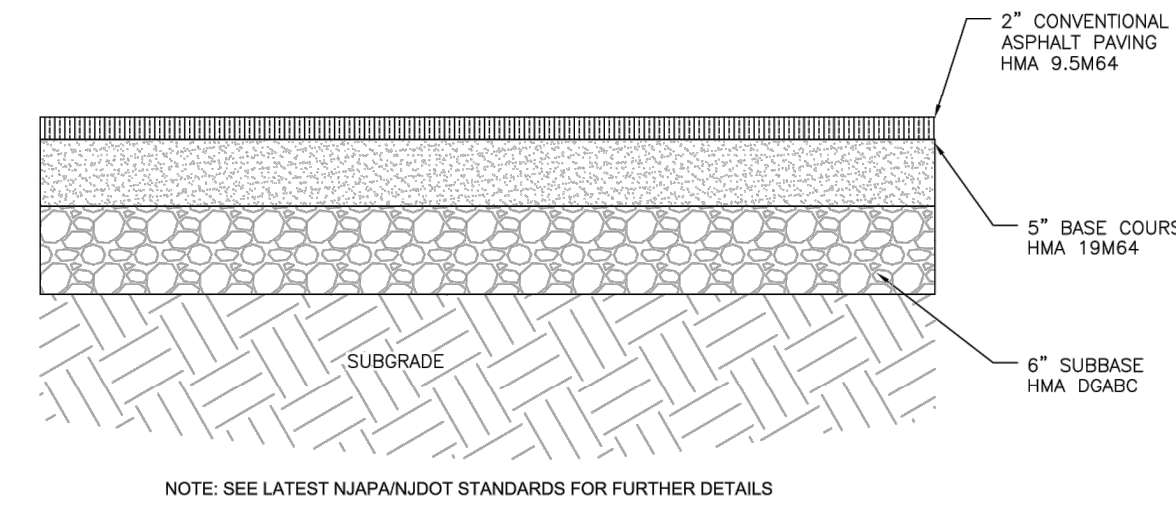
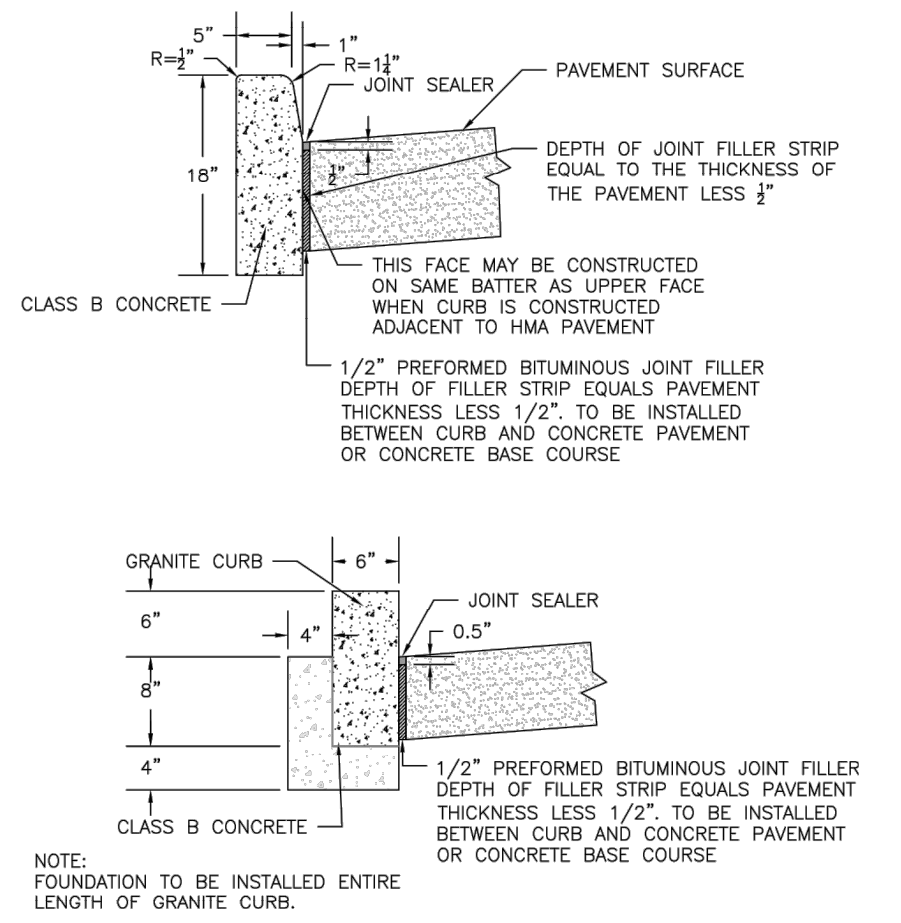
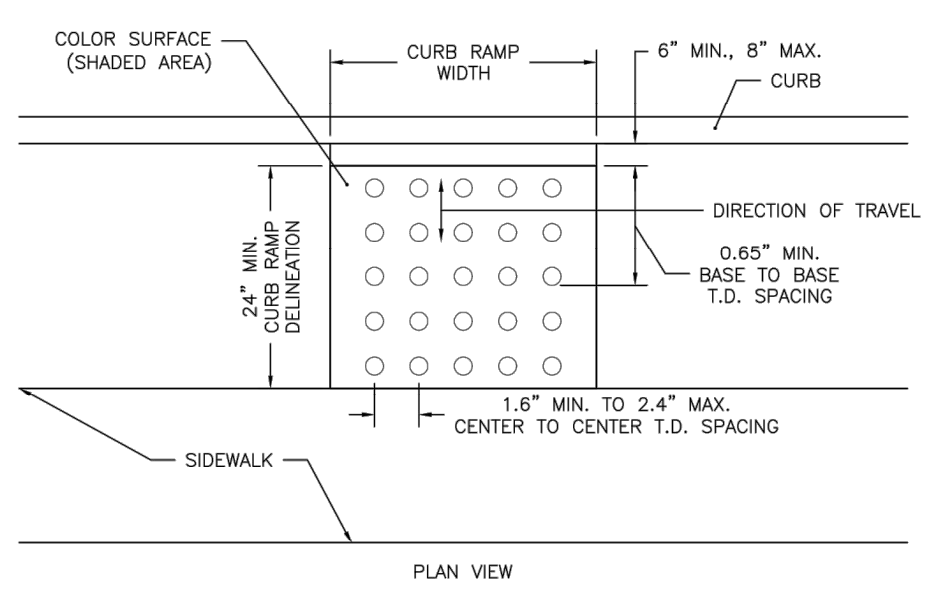
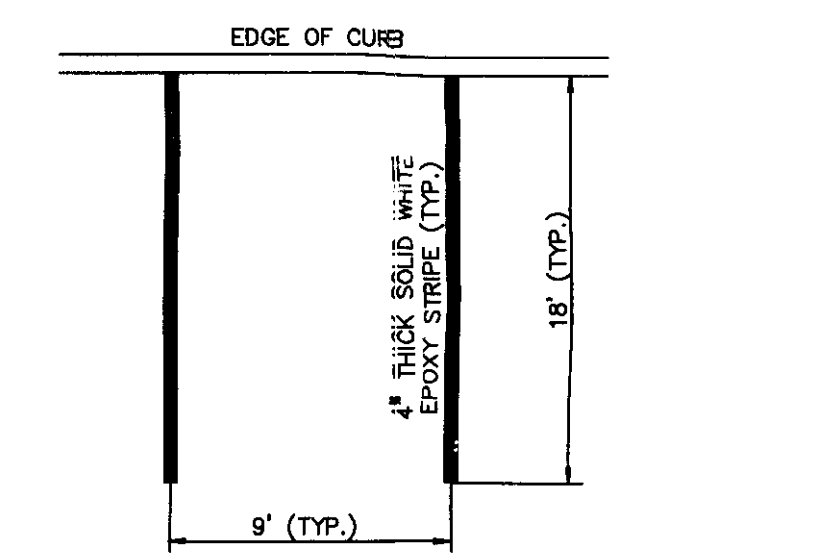
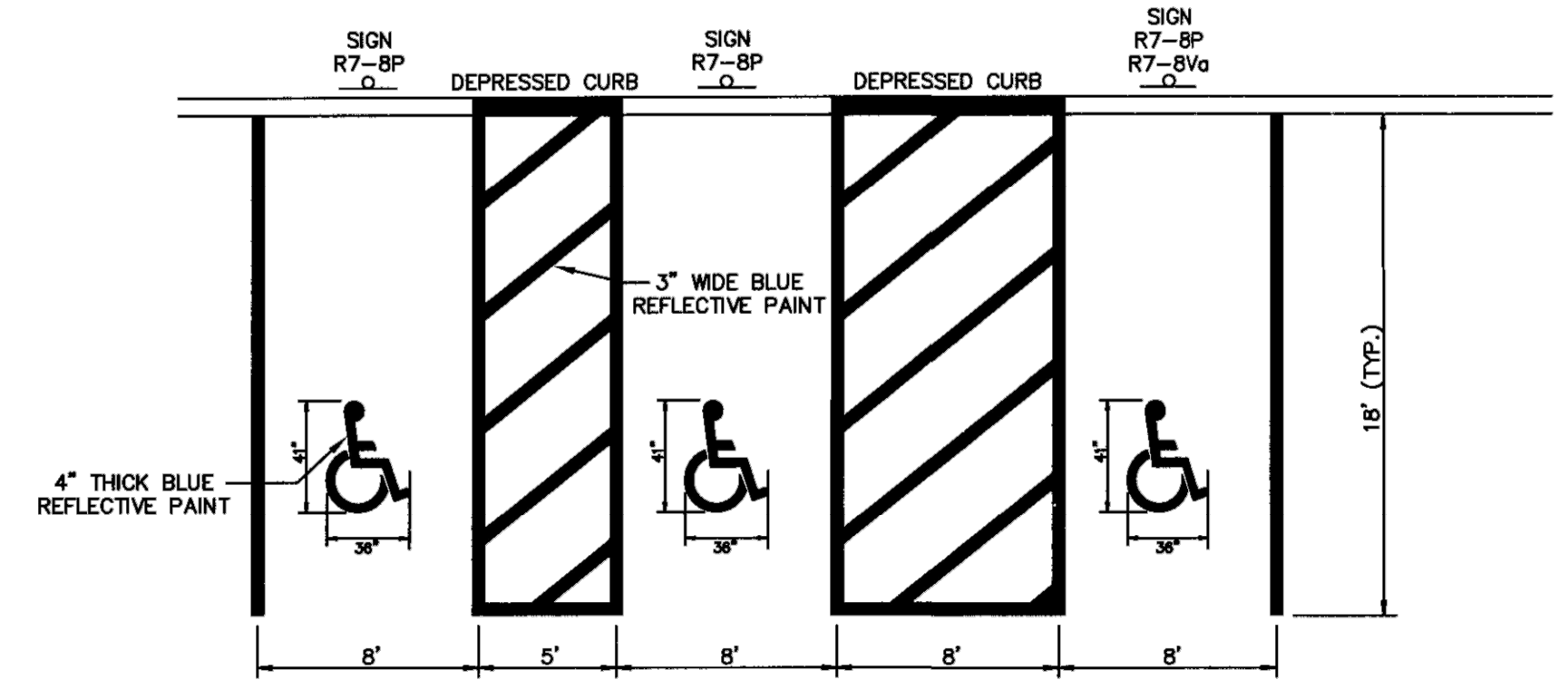
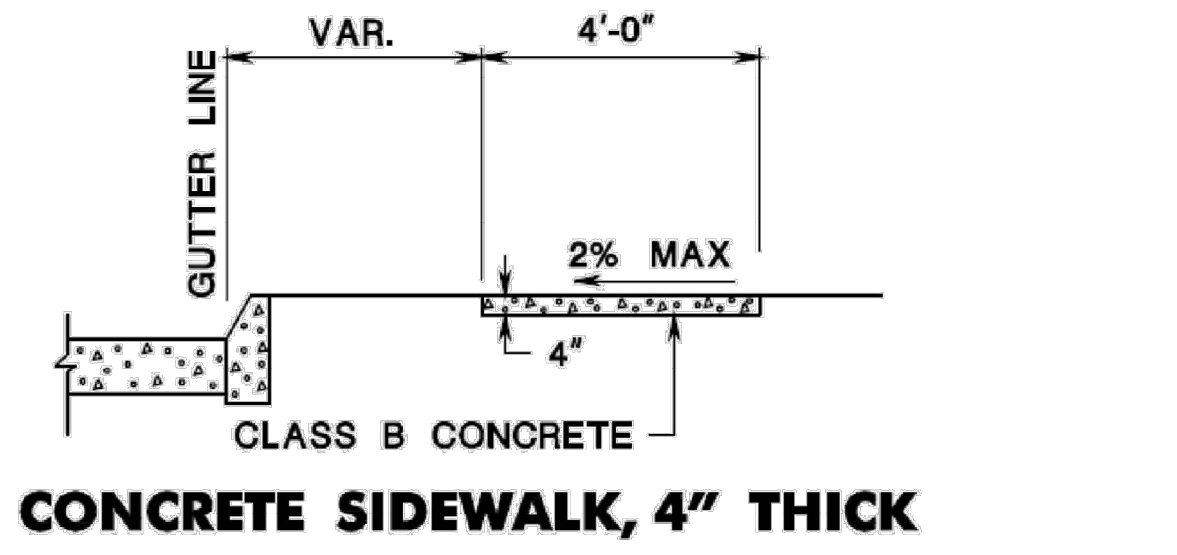
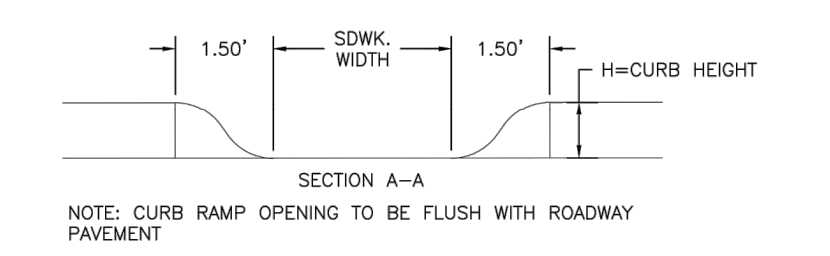
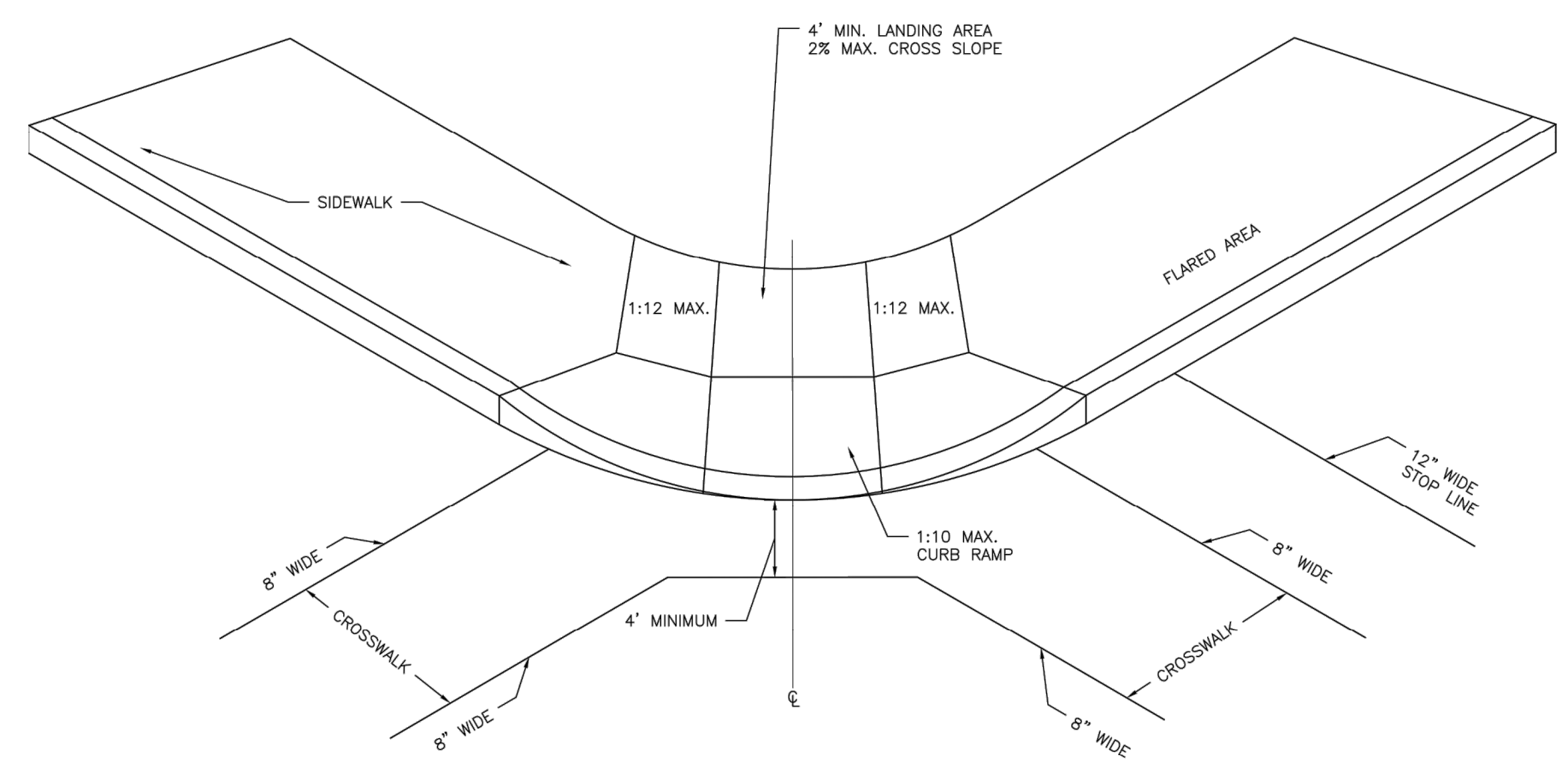
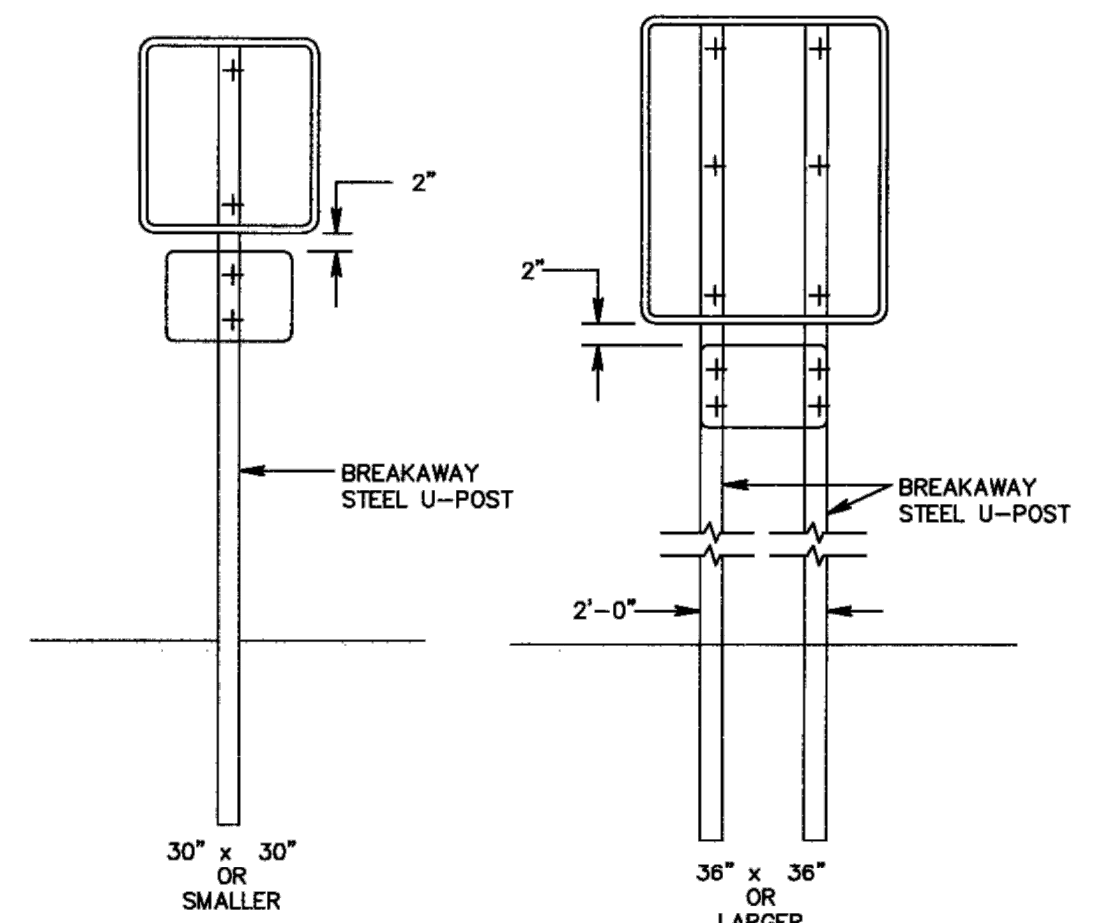
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PROJECT NUMBER: 23004014B	DRAWING NAME: C-DTLS		
SHEET NUMBER: 4 OF 5			



R7-8
[12" x 18"]
(1.5 S.F.)

R7-8Va
[12" x 6"]
(0.5 S.F.)

R7-8P
[10" x 12"]
(0.83 S.F.)



GENERAL NOTES:

- LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
- DIMENSIONS SHOWN IN TABLES ARE FOR RELATIVELY FLAT SIDEWALK AREAS. CARE SHOULD BE TAKEN WHEN DETERMINING CURB RAMP SIZE BASED ON CURB HEIGHT (H) WHERE ELEVATION OF CURB AND SIDEWALK VARY DRAMATICALLY IN AREA OF PROPOSED CURB RAMP.
- CURB (DROPPED CURB) OUTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMP.
- SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
- CURB AND HEADER WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS VERTICAL CURB OR SLOPING CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND.
- CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
- PREFERRED AND ALTERNATE TREATMENTS SHOULD NOT BE INTERMIXED WITHIN THE SAME INTERSECTION.
- DIMENSIONS SHOWN IN TABLES ARE FOR 3 INCH TO 9 INCH CURB HEIGHTS. WHERE THE CURB HEIGHTS ARE OTHER THAN WHAT IS PROVIDED IN THE TABLES, THE DIMENSIONS OF THE RAMP SHALL BE CALCULATED BASED ON CROSS SLOPES SHOWN.

CURBING GENERAL NOTES:

- ALL CONCRETE SHALL CONFORM TO 2001 NJ D.O.T. STANDARD SPEC FOR ROAD & BRIDGE CONSTRUCTION SECTION 914 CLASS "B" AIR ENTRAINED OR MOST RECENT VERSION.
- EXPANSION JOINTS SHALL BE AT 10-FOOT INTERVALS AND FILLED WITH A HALF INCH THICK, NON-EXTRUDABLE, FIBROUS, BITUMASTIC MATERIAL.
- ALL CONCRETE WORK SHALL HAVE A WOOD FLOAT AND TRANSVERSE BROOM.
- FINISH BROOMING SHALL BE DONE BEFORE INITIAL SET USING A STEEL OR BARN BROOM.
- SUBBASE SHALL BE FIRM AND APPROVED BY THE MUNICIPALITY NJDOT STANDARDS SPEC.
- FORM WORK SHALL BE APPROVED BY THE ENGINEER OR HIS REPRESENTATIVE PRIOR TO POURING.
- THE 8" X 20" CROSS SECTION CURB IS USED FOR ALL DEPENDABLE WITH APPLICABLE SPECIFICATIONS.
- PROVIDE 2" THICK NON-EXTRUDABLE, FIBROUS BITUMASTIC MATERIAL WHERE CURB MEETS SIDEWALK.

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WOODBRIDGE TOWNSHIP

CONSTRUCTION DETAILS

ROSS STREET AND N. JAMES STREET PARKING LOT

WOODBRIDGE TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

Scale: N.T.S. Date: 7/31/23 Drawn by: CS Checked by: MJJ

Project Number: 23004014B Drawing Name: C-DTL5

Sheet Number: 5 OF 5

Mark J. Janiszewski
NEW JERSEY LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: G645561
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NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.