

CIVIL ENGINEERING DRAWINGS

FOR:
PROPOSED RETAIL COMPLEX

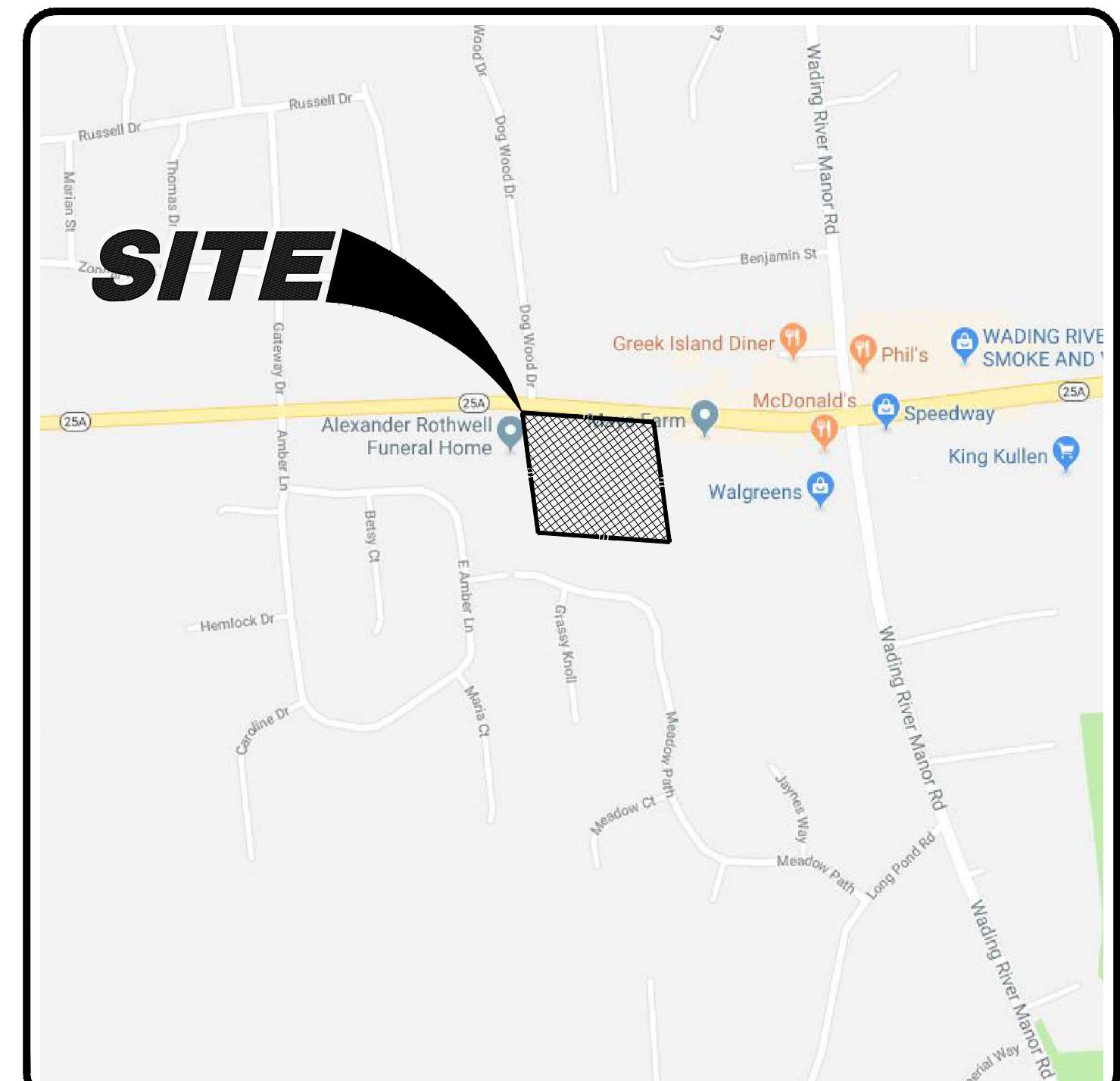
VENEZIA SQUARE, LLC c/o

THE
NORTHWIND
GROUP
LOCATION OF SITE:
PORT JEFFERSON-RIVERHEAD ROAD
(NYS ROUTE 25A)
WADING RIVER
TOWN OF RIVERHEAD
SUFFOLK COUNTY, NY 11792



SITE AERIAL MAP

SCALE: N.T.S.
SOURCE: NYS GIS Clearing House
NYSDOT High Resolution
Imagery 2016



SITE LOCATION MAP

SCALE: 1"=600'
Google Image
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REFERENCES

- ♦ BOUNDARY & TOPOGRAPHIC SURVEY:
CONTROL POINT ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NJ 07059
DATED: 1/18/16 (REVISION 2)
- ♦ GEOTECHNICAL INVESTIGATION REPORT:
McDONALD GEOSCIENCE
BOX 1000
SOUTHOLD, NY 11971
DATED: 10/02/08
- ♦ GOVERNING AGENCIES
- ♦ TOWN OF RIVERHEAD:
PLANNING DEPARTMENT
200 HOWELL AVENUE
RIVERHEAD, NY 11901
RICK HANLEY
(631) 727-3200
- ♦ SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES:
OFFICE OF WASTEWATER MANAGEMENT
360 YAPHANK AVENUE, SUITE 2C
YAPHANK, NY 11980
(631) 852-5700
- ♦ FIRE MARSHAL:
RIVERHEAD FIRE MARSHAL
200 HOWELL AVENUE
RIVERHEAD, NY 11901
DAVID J. ANDRUSZKIEWICZ
(631) 727-3370

UTILITIES

- ♦ WATER:
RIVERHEAD WATER DISTRICT
1035 PULASKI STREET
RIVERHEAD, NY 11901
GARY PENDZICK
(631) 727-3205
- ♦ GAS:
KEYSPAN
175 EAST OLD COUNTRY ROAD
HICKSVILLE, NY 11801
KENNETH J. CAMELLERI
(516) 545-3865
- ♦ ELECTRIC:
LIPA
117 DOCTOR'S PATH
RIVERHEAD, NY 11901
STEVE AYLWARD
(631) 548-7062
- ♦ TELEPHONE:
VERIZON
501 NORTH OCEAN AVENUE
PATCHOGUE, NY 11772
SUFFOLK COUNTY DIVISION
RICHARD WASKEVICZ
(631) 687-8430

R.O.W. JURISDICTIONS

- ♦ NEW YORK STATE DEPT. OF TRANSPORTATION:
250 VETERANS MEMORIAL HIGHWAY
HAUPPAUGE, NY 11788
MARK WOLFGANG
(631) 952-6014



THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS UNLESS THE SAME ARE APPROVED BY THE CERTIFIED PROFESSIONAL ENGINEER WHERE SUCH ALTERATIONS ARE MADE. THE PROFESSIONAL ENGINEER MUST SIGN, SEAL, DATE AND SIGNIFY THE EXACT DATE OF ANY ALTERATION ON THE DRAWINGS AND/OR THE SPECIFICATIONS. (N.Y. EDUCATION LAW SECTION 720-2)

APPROVALS

REVISIONS		
No	Date	DESCRIPTION
1	12/3/09	REVISED AS PER SCHS COMMENTS
2	11/18/15	REV. PER TOWN PLANNING DEPARTMENT COMMENTS
3	9/20/17	REV. PER DISTURBED AREA
4	3/16/18	REV. LAYOUT & NYSDOT COMMENTS
5	11/19/18	REV. PER NYSDOT COMMENTS
6	12/21/19	TOWN OF RIVERHEAD SUBMISSION
7	2/1/23	REV. SITE COVERAGE AREAS

LIST OF DRAWINGS

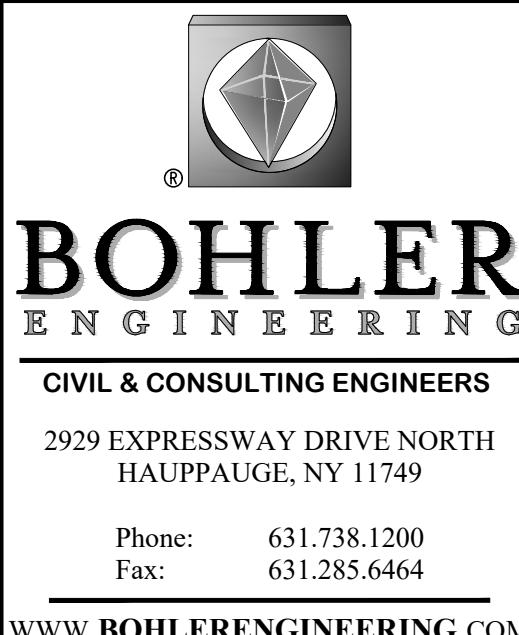
COVER SHEET	C-1 OF 15
GENERAL NOTES	C-2 OF 15
SITE PLAN	C-3 OF 15
GRADING & DRAINAGE PLAN	C-4 OF 15
PHASE I SWPPP PLAN	C-5 OF 15
PHASE II SWPPP PLAN	C-6 OF 15
SWPPP PLAN DETAILS	C-7 OF 15
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SANITARY DETAILS & COMPUTATIONS	C-9 OF 15
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LIGHTING PLAN	C-12 OF 15
SITE DETAILS	C-13 OF 15
NYSDOT DETAILS	C-14 OF 15
WORK ZONE TRAFFIC CONTROL PLAN	C-15 OF 15
BOUNDARY & TOPOGRAPHIC SURVEY (BY OTHERS)	1 OF 1

PLANNING BOARD CERTIFICATION

THIS IS TO CERTIFY THAT THIS SITE PLAN HAS BEEN APPROVED BY THE PLANNING BOARD OF THE TOWN OF RIVERHEAD BY PLANNING BOARD RESOLUTION NUMBER _____ DATED _____

SIGNATURE OF PLANNING BOARD CHAIRPERSON _____

DATE OF SIGNATURE _____



DATE: 09/18/08 DRAWN BY: MD
SCALE: AS SHOWN CHECKED BY: JPC
CAD ID NO.: N08029-CS-7A PROJECT NO.: N08029

NOT FOR CONSTRUCTION

NYSDOT CASE #: N/A
HEALTH DEP. REF. #: N/A

CLIENT/PROJECT: VENEZIA SQUARE, LLC c/o THE NORTHWIND GROUP
PORT JEFFERSON-RIVERHEAD ROAD (NYS ROUTE 25A)
WADING RIVER
TOWN OF RIVERHEAD
SUFFOLK COUNTY, NY 11792
TAX MAP #: 600-73-1-14, 1.16-1.19

TITLE: COVER SHEET

SHEET NO. REV. 7

C-1
OF 15

SUBMISSION SET

GENERAL NOTES



BOHLER
ENGINEERING

♦ WARREN, NJ - CORPORATE OFFICE
♦ WHITE PLAINS, NY ♦ CENTER VALLEY, PA
♦ ALBANY, NY ♦ SOUTHBOROUGH, MA
♦ BOWIE, MD ♦ STERLING, VA
♦ TOWSON, MD ♦ WARRENTON, VA
♦ CHALFONTE, PA ♦ FT. LAUDERDALE, FL

THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS UNLESS THE CONTRACTOR HAS BEEN AUTHORIZED BY THE PROFESSIONAL ENGINEER WHERE SUCH ALTERATIONS ARE MADE. THE PROFESSIONAL ENGINEER MUST SIGN, DATE AND INITIAL THE DRAWINGS EXPLAINING THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS. (NYS EDUCATION LAW SECTION 720-2)

APPROVALS

THESE GENERAL NOTES PROVIDED HEREIN ARE INTENDED TO SUPPLEMENT THE NOTES AND OR SPECIFICATIONS PROVIDED ELSEWHERE IN THESE CONTRACT DOCUMENTS AND ANY CODES, RULES, REGULATIONS, AND OR LAWS PROMULGATED BY APPLICABLE GOVERNING JURISDICTIONS. CONTRACTORS ARE MADE FULLY AWARE THAT THIS GENERAL NOTES SHEET IS PART OF THE ENTIRE CONTRACT DOCUMENTS AND SHALL NOT BE OMITTED IN ANY PARTIAL TRANSMISSIONS OF THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE ANY PARTIAL TRANSMISSION OR RECEIPT OF THE CONTRACT DOCUMENTS INCLUDES THIS GENERAL NOTES SHEET.

BOHLER ENGINEERING, PLLC IS NOT RESPONSIBLE OR RETAINED BY ANY PARTY FOR JOB SITE SAFETY OR CONSTRUCTION SUPERVISION, NOR IS THE ENGINEER OF RECORD FOR SAME. CONTRACTOR SHALL PERFORM ALL ITS ACTIVITIES IN A SYSTEMATIC AND SAFE MANNER IN ACCORDANCE WITH OSHA REQUIREMENTS, AND ANY CODES, RULES, REGULATIONS, AND OR LAWS OF THE APPLICABLE GOVERNING JURISDICTIONS TO ENSURE THE PROTECTION AND SAFETY OF THE PUBLIC AND THE JOB SITE.

DO NOT SCALE PLANS, COPYING, PRINTING, SOFTWARE AND OTHER PROCESSES REQUIRED TO PREPARE THE DESIGN PLANS CAN STRETCH OR SHRINK THE ACTUAL PAPER THEREFORE AFFECTING THE LAYOUT. THEREFORE, SCALING OF THE DESIGN PLANS MAY RESULT IN INACCURACIES. CONTACT THE ENGINEER OF RECORD WITH ANY NEED FOR ADDITIONAL DIMENSIONS OR CLARIFICATIONS.

THE ENGINEER OF RECORD SHALL NOT SUPERVISE, DIRECT OR HAVE CONTROL OVER THE CONTRACTOR'S WORK NOR HAVE ANY RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES SELECTED NEITHER BY THE CONTRACTOR NOR FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR PROGRAMS IN CONNECTION WITH THE WORK. THESE RIGHTS AND RESPONSIBILITIES ARE SOLELY THOSE OF THE CONTRACTOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

THE ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR ANY ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, AND ANY ENTITY PERFORMING ANY PORTIONS OF THE WORK, OR ANY AGENTS OR EMPLOYEES OF ANY OF THEM. THE ENGINEER OF RECORD DOES NOT GUARANTEE THE PERFORMANCE OF THE CONTRACTOR AND SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM ITS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR ANY APPLICABLE LAWS, CODES, RULES OR REGULATIONS.

PRIOR TO STARTING ANY CONSTRUCTION RELATED ACTIVITIES, THE CONTRACTOR SHALL ENSURE THAT ANY AND ALL PERMITS AND APPROVALS HAVE BEEN OBTAINED, AND/OR WILL OBTAIN THOSE THAT ARE TO BE OBTAINED DURING CONSTRUCTION, BY OR FROM THE APPROPRIATE GOVERNING JURISDICTIONS' LEGAL REQUIREMENTS. CONTRACTOR WILL ALSO RENEW ANY SUCH PERMITS. THE CONTRACTOR ASSUMES ALL RISK ASSOCIATED WITH THE COMMENCEMENT OF CONSTRUCTION WITHOUT SATISFYING ALL OF THE LEGAL REQUIREMENTS.

CONTRACTOR SHALL BE LIABLE FOR ANY COSTS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF THE VIOLATION OF ANY SUCH LEGAL REQUIREMENTS BY THE CONTRACTOR, ANY SUBCONTRACTORS OR ANYONE FOR WHOM THE CONTRACTOR IS RESPONSIBLE. THE CONTRACTOR SHALL INDEMNIFY, DEFEND AND SAVE HARMLESS THE OWNER AND BOHLER ENGINEERING, PLLC FROM AND AGAINST ANY SUCH COSTS, DAMAGES, LOSSES AND EXPENSES, INCLUDING REASONABLE ATTORNEY FEES AND DISBURSEMENTS, ATTRIBUTABLE TO ANY SUCH VIOLATION OR NONCOMPLIANCE BY CONTRACTOR OR ANY SUBCONTRACTOR, AS WELL AS ANY DELAY IN THE COMPLETION OF THE WORK. NO CONSTRUCTION RELATED ACTIVITIES SHOULD COMMENCE UNTIL THE CONTRACTOR HAS THOROUGHLY REVIEWED THE ENTIRE CONTRACT DOCUMENTS AND THOROUGHLY REVIEWED THE APPROVALS AND PERMITS OBTAINED FROM THE APPROPRIATE GOVERNING JURISDICTIONS. CONTRACTOR SHALL MAINTAIN ALL SUCH PERMITS AND APPROVALS AT THE JOB SITE AT ALL TIMES AND MAKE SAME AVAILABLE UPON REQUEST.

PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, CONTRACTOR MUST INSPECT THE SITE, SATISFY ITSELF AS TO THE CONDITION OF THE SITE INCLUDING, BUT NOT LIMITED TO, ALL STRUCTURAL, SURFACE AND SUBSURFACE CONDITIONS, FAMILIARIZE ITSELF WITH THE SITE AND THE LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND CORRELATE ITS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR IS AWARE THAT THE CONTRACT DOCUMENTS FOR THIS PROJECT INCLUDE VARIOUS RESOURCES, WHICH MAY BE IN A FORMAT OTHER THAN DRAWING DOCUMENTS. SUCH RESOURCES MAY INCLUDE, BUT ARE NOT LIMITED TO, SOIL MECHANICS STUDIES; ENVIRONMENTAL RELATED INVESTIGATIONS, STUDIES, MAPPING, RECOMMENDATIONS; LAND SURVEYS; TITLE REPORTS; ARCHITECTURAL DOCUMENTS INCLUDING STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING; TESTING REPORTS; ET AL. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL SUCH ITEMS PRIOR TO COMMENCEMENT OF CONSTRUCTION RELATED ACTIVITIES. ANY REQUIRED CLARIFICATION BY THE CONTRACTOR SHALL BE IN WRITING TO THE OWNER AND BOHLER ENGINEERING, PLLC PRIOR TO COMMENCING CONSTRUCTION RELATED ACTIVITIES.

WHEN WORK IS INDICATED ON THE DRAWINGS BUT IS NOT CALLED FOR IN THE OTHER CONTRACT DOCUMENTS, OR IS CALLED FOR IN THE OTHER CONTRACT DOCUMENTS BUT IS NOT INDICATED ON THE DRAWINGS, AND THE NATURE OF THE WORK IS SUCH THAT IT SHOULD BE PERFORMED BY WORKERS EMPLOYED BY THIS CONTRACTOR, OR IF STANDARD BUILDING PRACTICES IN THE LOCALE OF THE PROJECT WOULD REQUIRE SUCH WORK TO BE PERFORMED BY THIS CONTRACTOR, THEN SUCH WORK SHALL BE DEEMED A PART OF THE WORK COVERED BY THIS CONTRACT AND SHALL BE PERFORMED BY THIS CONTRACTOR WITHOUT ADDITIONAL COMPENSATION.

ALL CONSTRUCTION RELATED ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AS WELL AS IN ACCORDANCE WITH ALL THE REQUIREMENTS OF THE APPROPRIATE GOVERNING JURISDICTIONS. THE CONTRACTOR SHALL PROMPTLY REPORT TO THE OWNER AND BOHLER ENGINEERING, PLLC ANY ERROR, OMISSION, INCONSISTENCY, CONFLICT, AMBIGUITY OR SIMILAR DEFECT THAT MAY BE APPARENT FROM CONTRACTOR'S REVIEW OF THE CONSTRUCTION DOCUMENTS, THE CONTRACT DOCUMENTS, AND/OR EXISTING CONDITIONS AT THE PROJECT SITE. CONTRACTOR SHALL IMMEDIATELY UPON DISCOVERY BRING SUCH ERROR, OMISSION, INCONSISTENCY, CONFLICT, AMBIGUITY OR SIMILAR DEFECT TO THE ATTENTION OF THE OWNER AND BOHLER ENGINEERING, PLLC FOR RESOLUTION. IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT OWNER, IN CONSULTATION WITH BOHLER ENGINEERING, PLLC AND THE ARCHITECT, SHALL BE THE INTERPRETER OF THE CONTRACT DOCUMENTS AND SHALL RESOLVE ANY SUCH CONFLICTS AND AMBIGUITIES. IN THE EVENT THERE IS ANY SUCH ERROR, OMISSION, INCONSISTENCY, CONFLICT, AMBIGUITY OR SIMILAR DEFECT, THEN THE MORE STRINGENT PROVISION SHALL APPLY. IN ADDITION, IN THE EVENT THERE IS ANY SUCH ERROR, OMISSION, INCONSISTENCY, CONFLICT, AMBIGUITY OR SIMILAR DEFECT, WHICH RESULT IN A CHOICE BETWEEN DIFFERENT MEANS AND METHODS TO PERFORM THE WORK AFTER THE RESOLUTION OF THE CONFLICT OR AMBIGUITY, CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM THE WORK WITHOUT ADDITIONAL COMPENSATION FOR USING THE COSTLIER MEANS AND METHODS. IF CONTRACTOR PERFORMS ANY SUCH WORK BEFORE THE OWNER AND BOHLER ENGINEERING, PLLC HAVE HAD A REASONABLE TIME TO RESPOND, THE CONTRACTOR SHALL SOLELY BEAR THE RISK OF PERFORMING SUCH WORK CONTRARY TO THE RESOLUTION THEREOF BY OWNER.

THE CONTRACTOR SHALL BE FAMILIAR WITH AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT AND SCHEDULING OF ANY AND ALL CERTIFICATIONS, TESTING, INSPECTIONS, ETC., INCLUDING THOSE THAT SHALL BE PERFORMED BY THIRD PARTIES, REQUIRED BY THE APPROPRIATE GOVERNING JURISDICTIONS DURING THE COURSE OF CONSTRUCTION OR FOR THE PURPOSES OF PROCURING SIGNOFFS, CERTIFICATE OF COMPLETIONS OR CERTIFICATE OF OCCUPANCY. IF THE CONTRACT DOCUMENTS OR ANY LAWS, RULES, ORDINANCES OR REGULATIONS OF ANY FEDERAL, STATE OR LOCAL GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER THE WORK REQUIRE THAT ANY WORK BE INSPECTED OR TESTED, CONTRACTOR SHALL GIVE SUCH GOVERNING ENTITIES TIMELY NOTICE OF READINESS OF THE WORK FOR INSPECTION OR TESTING, COORDINATE AND FIX THE DATE FOR SUCH INSPECTION OR TESTING BY SUCH JURISDICTIONAL ENTITIES AND PROCUER THE NECESSARY MEANS TO HAVE SUCH INSPECTION OR TESTING PERFORMED TO THE SATISFACTION OF THE GOVERNING JURISDICTIONAL ENTITIES.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE CIVIL DESIGN DOCUMENTS AND THE ARCHITECTURAL DOCUMENTS FOR REFERENCE TO EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS AND DETAILS, ENTRY AND EXIT LOCATIONS, FINISHED FLOOR ELEVATIONS AND EXTERIOR GRADING, ETC. THE UTILITY SERVICE SIZES SHALL BE DETERMINED BY THE ARCHITECT.

ALL CONCRETE SHALL HAVE THE MINIMUM COMPRESSIVE STRENGTH AT TWENTY-EIGHT (28) DAYS UNLESS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS. UNSUITABLE MATERIALS, CONSTRUCTION DEBRIS, EXCESS SOIL, ETC., SHALL BE PROPERLY REMOVED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL CODES, ORDINANCES, AND LAWS OF THE APPLICABLE GOVERNING JURISDICTIONS. ALL FILL, COMPACTION AND BACKFILL MATERIALS AND PLACEMENT METHODS REQUIRED FOR THE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS PROVIDED IN THE SOIL MECHANICS STUDIES. THE CONTRACTOR SHALL PLACE ASPHALT WITH SUITABLE GRADES TO PREVENT PONDING.

THE CONTRACTOR SHALL BE RESPONSIBLE TO USE APPROPRIATE DUST CONTROL AND EROSION CONTROL MEASURES IN ACCORDANCE WITH FEDERAL, STATE AND OR LOCAL STANDARDS, RULES, REGULATIONS OF THE APPROPRIATE GOVERNING JURISDICTIONS. AFTER CONSTRUCTION IS COMPLETE, ADJACENT STRUCTURES AND AREAS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE CONSTRUCTION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR PRE-CONSTRUCTION CONDITIONS.

THE CONTRACTOR SHALL SAFEGUARD THE PROJECT SITE IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL CODES AS NECESSARY TO PERFORM THE CONSTRUCTION IN SUCH A MANNER AS TO PREVENT ENTRY BY UNAUTHORIZED PERSONS AT ANY AND ALL TIMES.

THE CONTRACTOR SHALL NOT USE AREAS OUTSIDE THE PROPERTY LINE AND OR WORK LIMITS WITHOUT WRITTEN PERMISSION FROM THE OWNER AND OR THE APPROPRIATE GOVERNING JURISDICTIONS, WHICH MAY BE IN THE FORM OF PERMITS.

DURING ALL CONSTRUCTION RELATED OPERATIONS, THE CONTRACTOR SHALL PROTECT AND MAINTAIN THE OPERATION, IN A MANNER SATISFACTORY TO OWNER, OF ALL ACTIVE SYSTEMS THAT ARE NOT TO BE REMOVED.

PROPOSED WATER SERVICE CUTOFFS, REMOVALS, AND ABDONMENTS REQUIREMENT SHALL BE IN ACCORDANCE WITH THE LOCAL UTILITY COMPANIES' REQUIREMENTS. CONTRACTOR SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE LOCAL UTILITY COMPANIES TO PROVIDE THE OWNER WITH A COMPLETE WORKING WATER SERVICE. ALL TOPOGRAPHY SHOWN IN THESE CONSTRUCTION DOCUMENTS DEPICT THE EXISTING CONDITIONS AT THE TIME OF THE CONTRACT DOCUMENTS' PREPARATION. CONTRACTOR SHALL OBSERVE THE CONDITIONS OF THE PROJECT PRIOR TO COMMENCING CONSTRUCTION RELATED ACTIVITIES AND NOTIFY THE OWNER AND THE ENGINEER OF RECORD IN WRITING IF ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS ARE OBSERVED.

CONTRACTOR MUST CARRY STATUTORY WORKERS' COMPENSATION INSURANCE, EMPLOYERS LIABILITY INSURANCE AND APPROPRIATE LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). CONTRACTOR MUST HAVE THEIR CGL POLICY ENDORSED NAMING BOHLER ENGINEERING, PLLC AND ITS AFFILIATES AS ADDITIONAL INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO ENSURE THE HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTOR. THE CONTRACT SHALL FURNISH CERTIFICATES TO BOHLER ENGINEERING, PLLC AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND WITHIN THIRTY (30) DAYS UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION. CONTRACTOR MUST HAVE ITS INSURANCES IN FULL FORCE THROUGHOUT THE CONSTRUCTION. IN ADDITION, THE CONTRACTOR WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS BOHLER ENGINEERING, PLLC AND ITS AFFILIATES FROM AND AGAINST ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEY FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTOR.

UNLESS OTHERWISE AGREED TO IN WRITING SIGNED BY AN OFFICER OF BOHLER ENGINEERING, PLLC, UNDER NO CIRCUMSTANCE IS ANY PERSON A THIRD PARTY BENEFICIARY OF THE AGREEMENT BETWEEN BOHLER ENGINEERING, PLLC AND THE OWNER.

ACCESSIBILITY NOTE

ALL ACCESSIBLE PARKING STALLS, SIDEWALKS, RAMPS AND ALL OTHER ACCESS PROVISIONS TO, INTO AND FROM BUILDINGS AND TO AND FROM PARKING AREAS AND PUBLIC WAYS SHALL BE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH ADA REQUIREMENTS. THE OWNER AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADA COMPLIANCE WITH ANY PROPOSED SIDEWALK CONSTRUCTION AND OTHER SITE WORK ELEMENTS (WHETHER ON OR OFF SITE). IT IS THE OWNER'S RESPONSIBILITY TO MAINTAIN CONTINUED ADA COMPLIANCE AT THE PROJECT SITE REGARDING ACCESS, PARKING AND DIMENSIONAL REQUIREMENTS.

REVISIONS		
No	Date	DESCRIPTION
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7	2/13/23	REV. SITE COVERAGE AREAS

BOHLER
ENGINEERING

CIVIL & CONSULTING ENGINEERS
2929 EXPRESSWAY DRIVE NORTH
HAUPPAUGE, NY 11749
Phone: 631.738.1200
Fax: 631.285.6464

JOSEPH A. DEAL
PROFESSIONAL ENGINEER
NEW YORK LICENSE No. 087122

DATE: 09/18/08 DRAWN BY: MD
SCALE: N/A CHECKED BY: JPC
CAD ID No.: N08029-CS-7A PROJECT No.: N08029

NOT FOR CONSTRUCTION

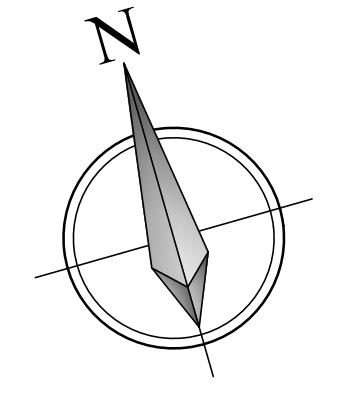
NYS DOT CASE #: N/A
HEALTH DEP. REF. #: N/A

CLIENT/PROJECT: VENEZIA
SQUARE, LLC c/o
THE
NORTHWIND
GROUP
PORT JEFFERSON-RIVERHEAD ROAD
(NYS ROUTE 25A)
WADING RIVER
TOWN OF RIVERHEAD
SUFFOLK COUNTY, NY 11792
TAX MAP #: 600-73-1-14, 1.16-1.19
TITLE:

GENERAL NOTES

SHEET NO. REV. 7

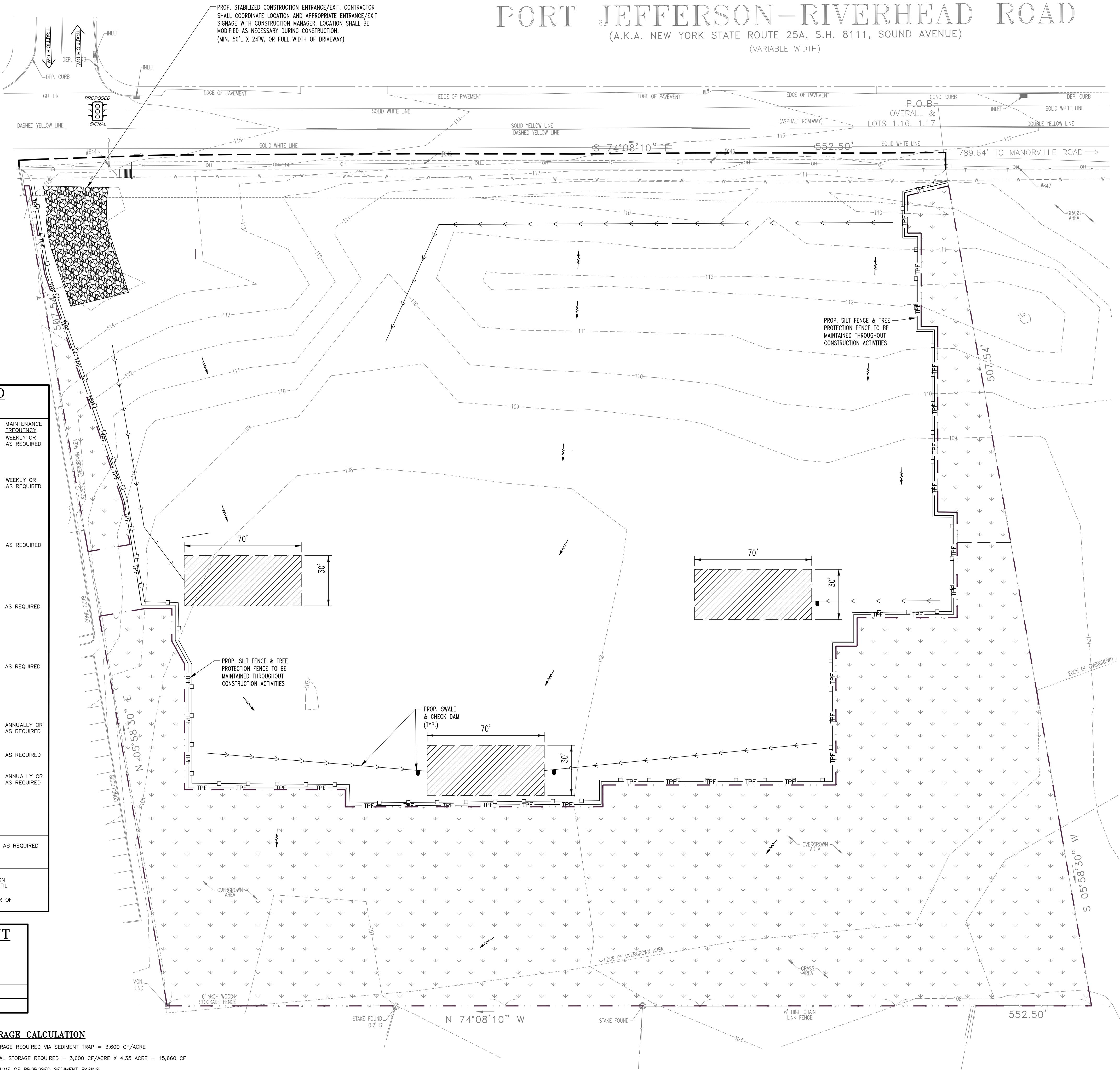
C-2
OF 15



PORT JEFFERSON-RIVERHEAD ROAD

(A.K.A. NEW YORK STATE ROUTE 25A, S.H. 8111, SOUND AVENUE)

(VARIABLE WIDTH)



SOIL EROSION & SEDIMENT CONTROL PLAN NOTES

1. THE GENERAL NOTES SHEET SHALL BE PART OF THIS ENTIRE DOCUMENT PACKAGE AND IS PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL READ AND UNDERSTAND THE NOTES. THE CONTRACTOR SHALL BE ADVISED TO REFER TO THE CONTRACTOR'S FAMILIARITY WITH ALL THE NOTES ON THE GENERAL NOTES SHEET AS ANY AND ALL DRAWING SHEET SPECIFIC NOTES BELOW.

2. INSTALLATION OF EROSION CONTROL, CLEARING, AND SITE WORK SHALL BE DONE AS INDICATED IN THE EROSION CONTROL CONSTRUCTION NOTES.

3. INSTALL FILTER FABRIC FENCING ON THE DOWNSHILL SIDE OF TEMPORARY FILM STOCKPILES.

4. EROSION CONTROL MEASURES SHALL CONFORM TO THE STATE OF NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL UNLESS OTHERWISE NOTED OR AS DIRECTED BY ENGINEER.

5. INSTALLATION OF EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

6. INSPECT EROSION CONTROL MEASURES AFTER EACH RAINFALL EVENT, BUT NO LESS THAN WEEKLY. CLEAR ANY SILT GREATER THAN 6" BEHIND THE FILTER FABRIC BARRIERS. EXCAVATE AND REMOVE ANY SILT FROM DROP INLET PROTECTION.

7. TEMPORARY SEED AND MULCH SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL NOT BE BRIGHT TO FINISHED GRADE AND VEGETATION. THESE AREAS SHALL BE WATERED DAILY. AFTER THE GROWING SEASON, THEY SHALL BE STABILIZED WITH GEOTEXTILE FABRIC AND MAINTAINED ACCORDING TO BEST MANAGEMENT PRACTICES.

8. INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE ENGINEER TO PREVENT THE INCIDENTAL DISCHARGE OF SILT-LADEN RUNOFF FROM EXITING THE SITE.

9. CONTINUE INSPECTION AND REPAIR OF EROSION CONTROL MEASURES UNTIL THE COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF VEGETATION.

10. REMOVE EROSION CONTROL MEASURES, SILT AND DEBRIS UPON ESTABLISHMENT OF PERMANENT VEGETATION COVER OR OTHER SPECIFIED METHOD OF STABILIZATION.

11. THE DISTURBED LAND AREA OF THIS SITE IS APPROXIMATELY 4.35 ACRES.

12. THE FOLLOWING EROSION CONTROL MEASURES ARE PROPOSED FOR THIS SITE:

- STABILIZED CONSTRUCTION ENTRANCE/ EXIT - A TEMPORARY GRADED CONSTRUCTION ENTRANCE/ EXIT IS TO BE INSTALLED AT THE NORTHWEST CORNER OF THE SITE; THIS AREA SHALL BE GRADED SO THAT RUNOFF WATER WILL BE RETAINED ON-SITE.

- SEDIMENT FENCE - INSTALL SILT FENCE(S) AROUND ALL OF THE DOWNSHILL PERIMETERS OF THE SITE AND SOIL STOCKPILES.

- INSTALL FILTER FABRIC DROP INLET PROTECTION AROUND EACH DRAINAGE INLET AS DRAINAGE STRUCTURES ARE INSTALLED TO REDUCE THE QUANTITY OF SEDIMENT.

- DUST CONTROL - STOCKPILES OF SOIL SHOULD BE LIMITED TO 15' MAXIMUM HEIGHT AND REMOVED OR UTILIZED FOR SITE CONSTRUCTION AS SOON AS PRACTICABLE. SHOULD EXCESSIVE DUST BE GENERATED, DUST CONTROL MEASURES SUCH AS SPLASH WATER TO BARE SOIL SURFACES TO MINIMIZE BLOWING DUST.

13. THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION CONTROL MEASURES ON THE SITE UNTIL PERMANENT PAVING AND TURF/LANDSCAPING IS ESTABLISHED. THE COSTS OF INSTALLING AND MAINTAINING THE EROSION CONTROL MEASURES SHALL BE DEEMED INCLUDED IN THE BID PRICE FOR THE SITE WORK.

14. REFER TO LANDSCAPE PLAN FOR TREE PROTECTION FENCE LOCATIONS AND DETAILS.

15. DEBRIS SHALL BE BURIED ON THE SUBJECT SITE. ALL UNLISTABLE MATERIAL AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, TOWN, COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.

16. THESE PLANS ARE BASED ON INFORMATION AVAILABLE TO OUR OFFICE AT THE TIME OF PLAN PREPARATION. CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS AND NOTIFY OUR OFFICE IF ACTUAL SITE CONDITIONS DIFFER FROM THAT SHOWN ON THE PLAN, OR IF PROPOSED WORK WOULD BE IMPACTED BY ANY OTHER SITE FEATURES.

17. THIS PLAN REPRESENTS THE MINIMUM LEVEL OF IMPLEMENTATION OF TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES. ADDITIONAL FACILITIES OR MEASURES SHALL BE INSTALLED WHERE NECESSARY TO COMPLY WITH APPLICABLE CODES AND STANDARDS ON-SITE TO PREVENT THE INCIDENTAL DISCHARGE OF SILT-LADEN RUNOFF FROM EXITING THE SITE.

18. EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED BY THE CONTRACTOR.

19. REFER TO GRADING AND LANDSCAPING PLANS FOR ADDITIONAL INFORMATION.

20. THE CONTRACTOR SHALL EXISTING AND PROPOSED DRAINAGE SYSTEMS AND INTERCONNECTING PIPE AT END OF PROJECT.

21. WITHIN WRITTEN APPROVAL OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION, UNSTABILIZED AREAS OF DISTURBANCE THROUGHOUT THE SITE SHALL NOT BE MORE THAN 5 ACRES AT ANY TIME.

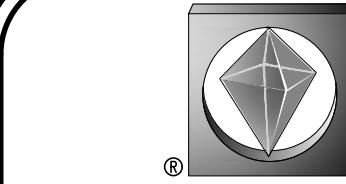
22. CONTRACTOR SHALL PROVIDE TEMPORARY INLET PROTECTION BEYOND THE LIMITS OF DISTURBED AREA.

23. THIS PLAN IS TO BE USED IN CONJUNCTION WITH THE SITE SPECIFIC SWPPP REPORT/BINDER. CONTRACTOR SHALL COMPLY FULLY WITH NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION GP-02-01 PERMIT.

24. SOIL EROSION CONTROL MEASURES SHALL BE ADJUSTED/RELOCATED BY CONTRACTOR AS IDENTIFIED DURING SITE INSPECTIONS IN ORDER TO MAINTAIN EFFECTIVENESS OF CONTROL MEASURES TO ENSURE COMPLIANCE WITH SWPPP.

25. CONTRACTOR SHALL LOCATE CONSTRUCTION WASTE MATERIAL STORAGE AREAS SO AS TO MINIMIZE EXPOSURE TO STORMWATER. CONSTRUCTION WASTE SHALL BE IMMEDIATELY PLACED IN ON-SITE STORAGE CONTAINERS UNTIL READY FOR OFF-SITE DISPOSAL. CONTRACTOR SHALL MAINTAIN CONSTRUCTION WASTE DISPOSAL EQUIPMENT AND MAKE AVAILABLE ON-SITE FOR USE BY CONTRACTOR'S EMPLOYEES TRAINED IN THE APPLICATION OF SPILL PREVENTION & RESPONSE PROCEDURES.

26. CONTRACTOR SHALL IDENTIFY LOCATION OF WASTE CONTAINERS, FUEL STORAGE TANKS, CONCRETE WASHOUT AREAS AND ANY OTHER LOCATIONS WHERE HAZARDOUS MATERIALS ARE STORED ON THE PLAN.



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APPROVALS

REVISIONS	
No	Date
1	12/3/09 REV. AS PER SCHS COMMENTS
2	11/18/15 REV. PER TOWN PLANNING COMMENTS
3	9/2/17 REV. PER DISTURBED AREA
4	3/16/18 REV. LAYOUT & NYSDOT COMMENTS
5	11/19/18 REV. PER NYSDOT COMMENTS
6	12/21/19 TOWN OF RIVERHEAD SUBMISSION
7	2/1/23 REV. SITE COVERAGE AREAS



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JOSEPH A. DEAL
PROFESSIONAL ENGINEER
NEW YORK LICENSE NO. 087122

DATE: 09/18/08 DRAWN BY: MD

SCALE: AS SHOWN CHECKED BY: JPC

CAD ID NO.: N08029-SWP-7A PROJECT NO.: N08029

NOT FOR CONSTRUCTION

NYS DOT CASE #: N/A

HEALTH DEP. REF. #: N/A

CLIENT/PROJECT: VENEZIA
SQUARE, LLC c/o
THE
NORTH WIND
GROUP
PORT JEFFERSON-RIVERHEAD ROAD
(NYS ROUTE 25A)

WADING RIVER
TOWN OF RIVERHEAD
SUFFOLK COUNTY, NY 11792
TAX MAP #: 600-73-1-4, 1.16-1.19

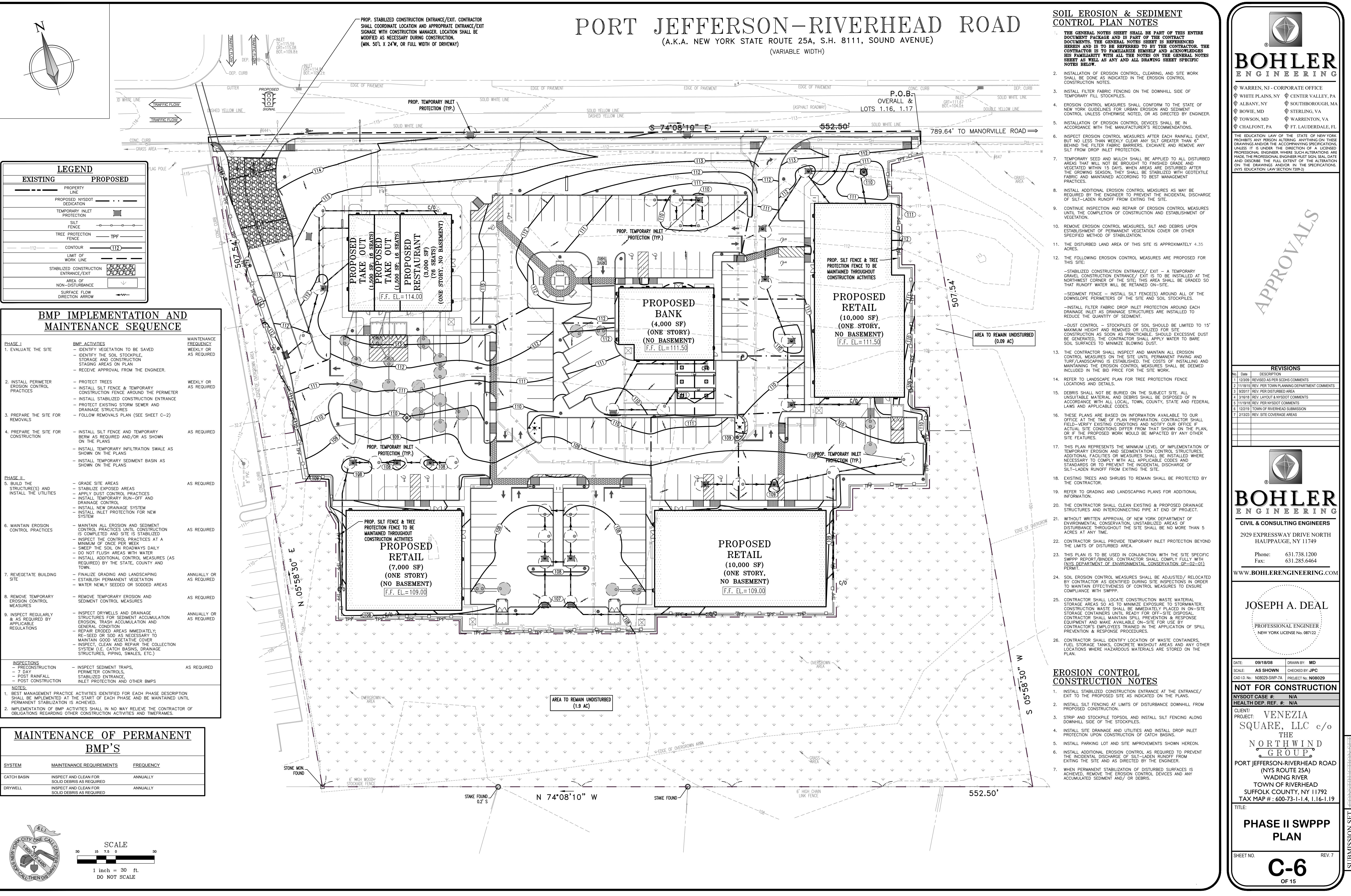
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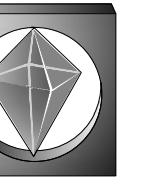
PHASE I SWPPP PLAN

SHEET NO. REV. 7

C-5
OF 15

SUBMISSION SET



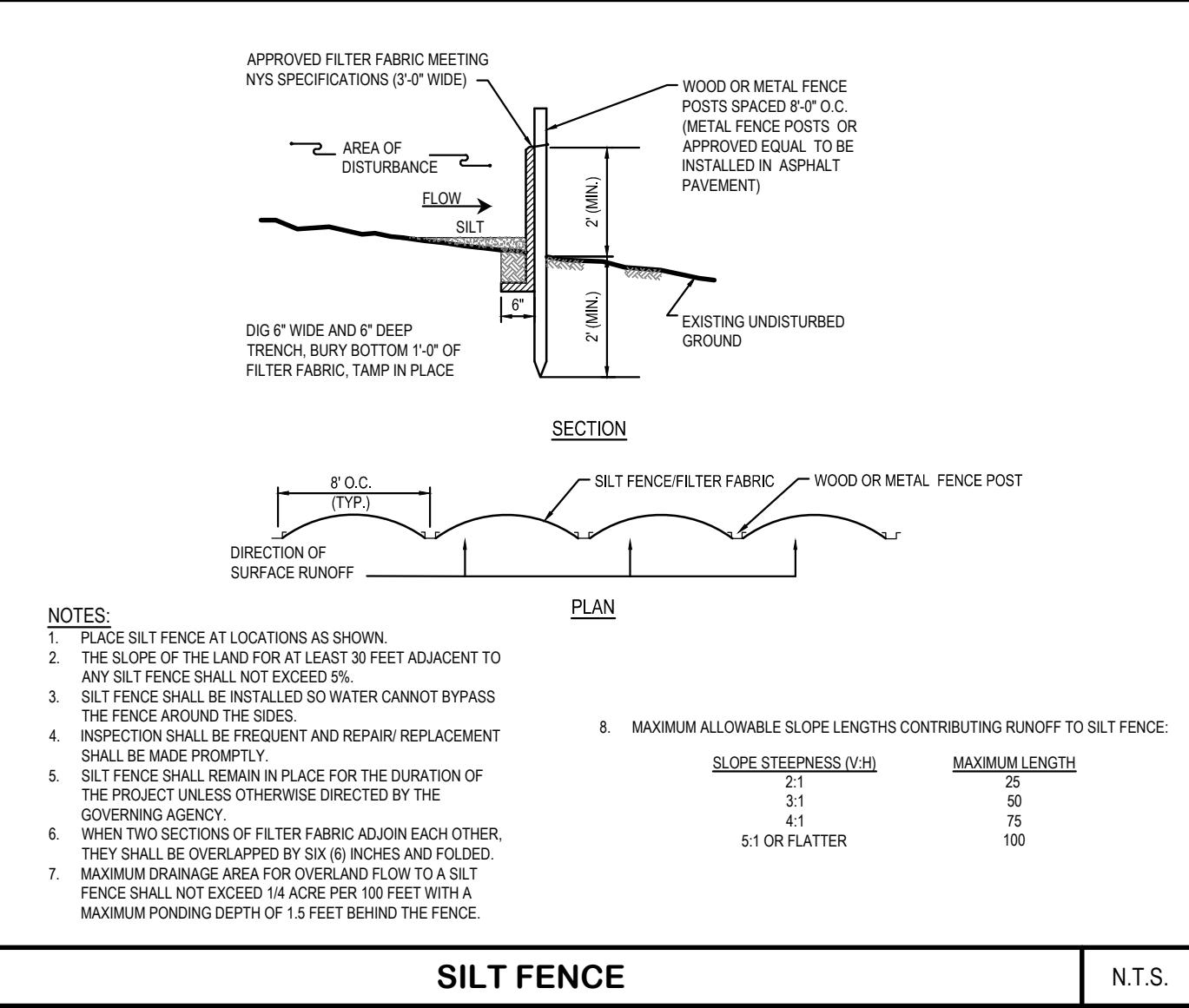
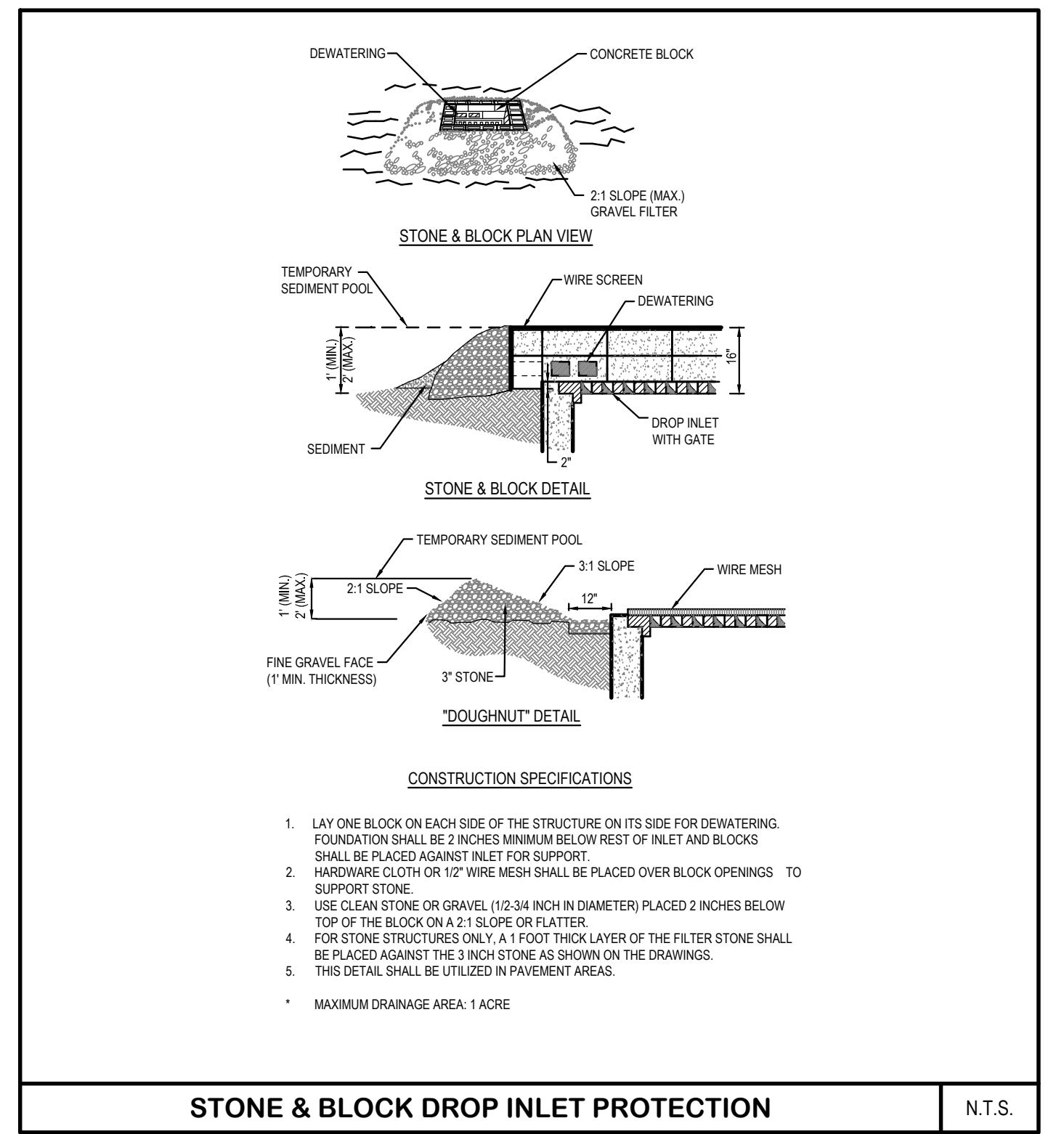
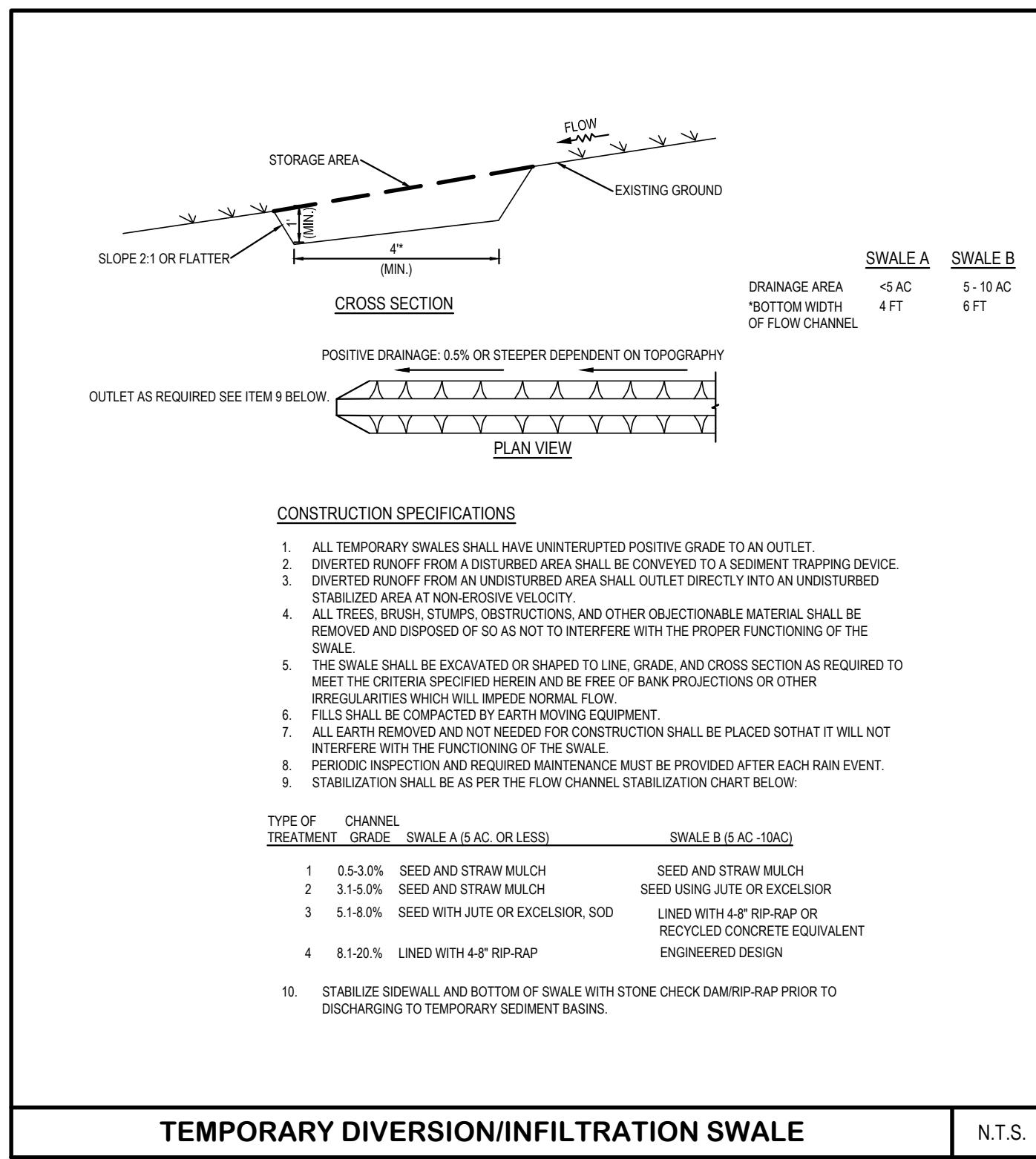
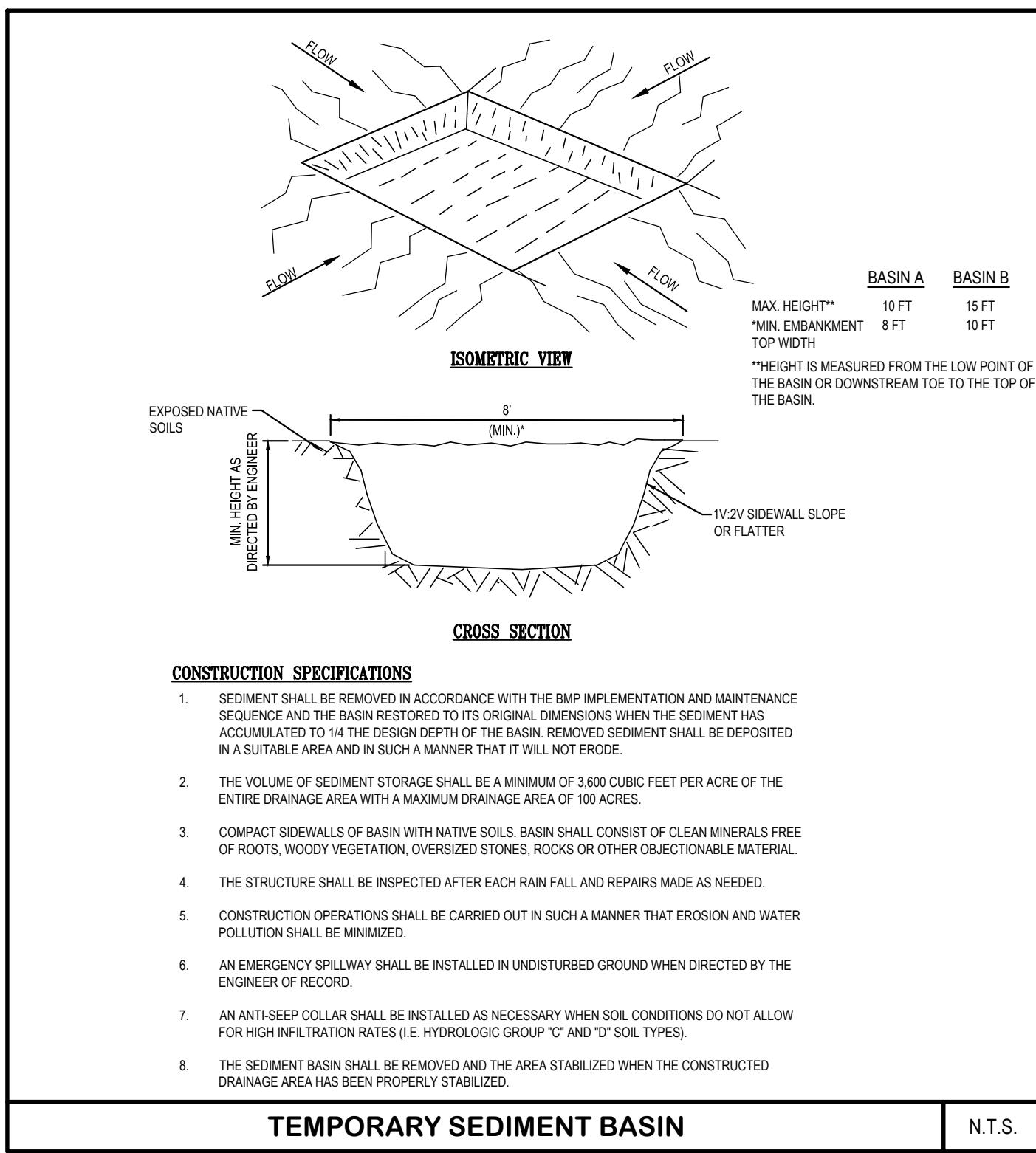


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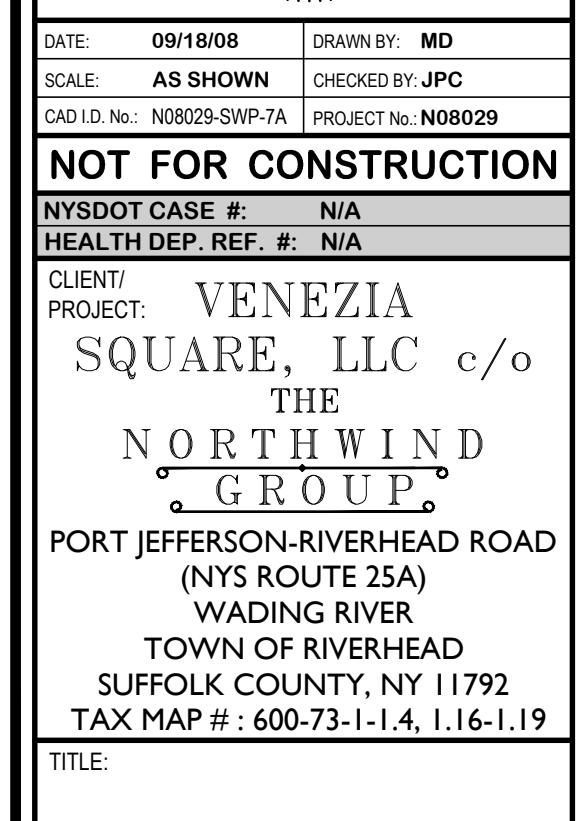
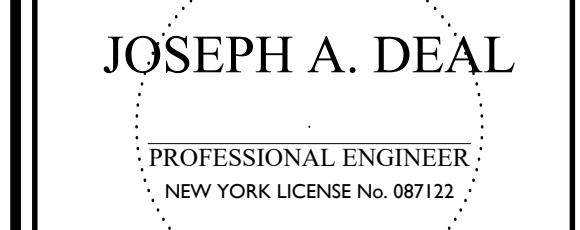
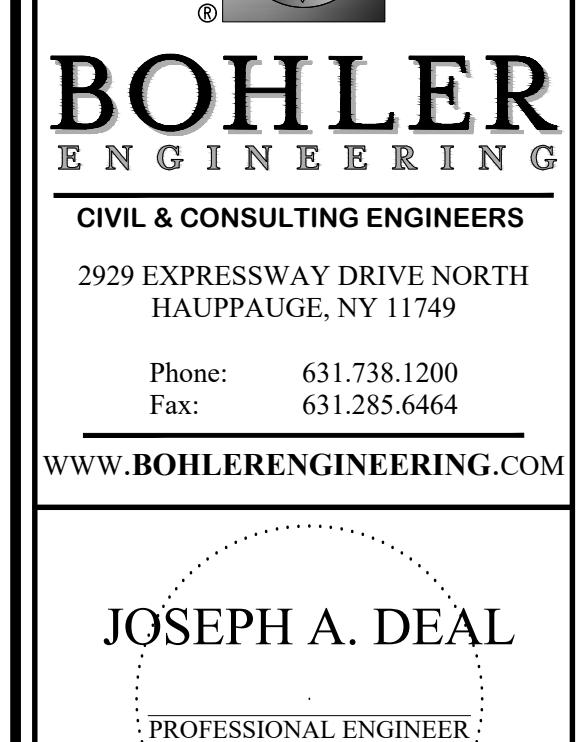
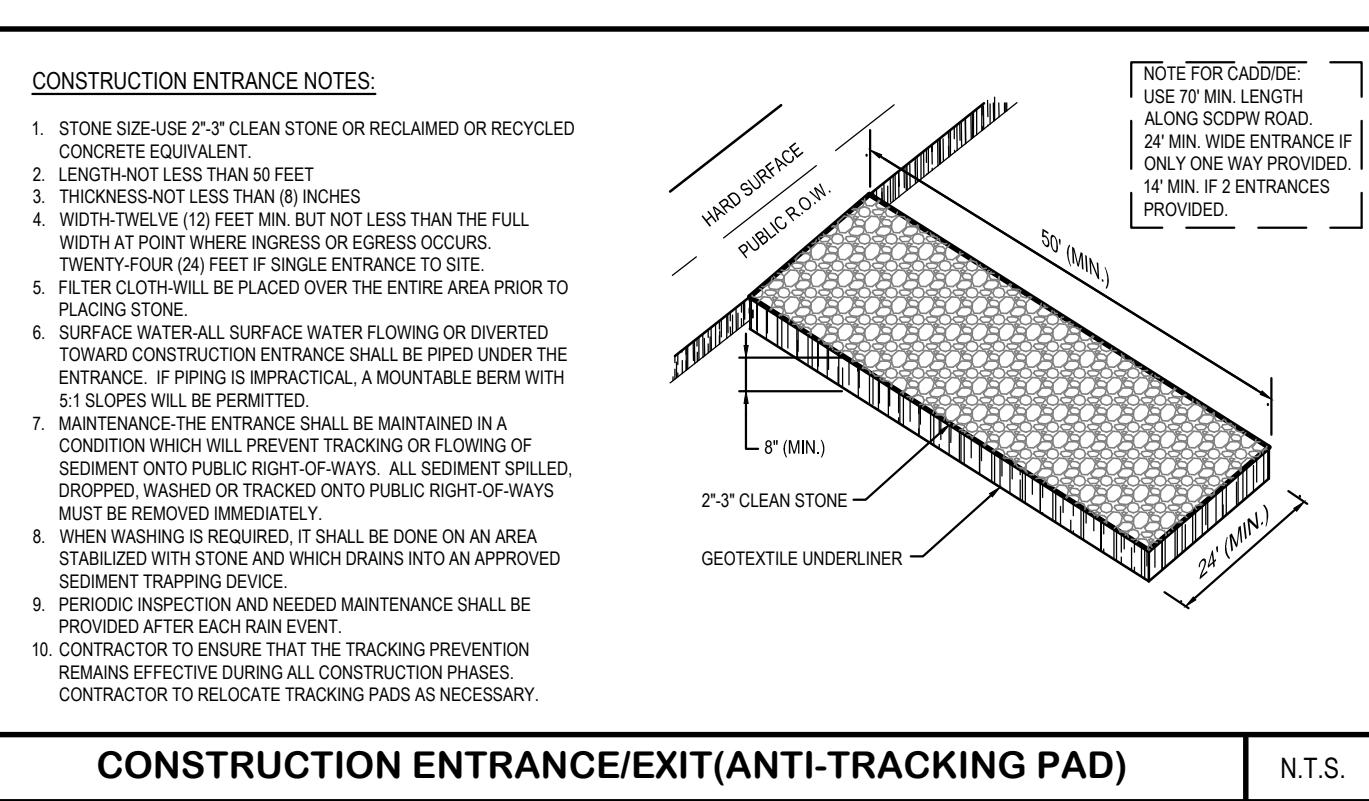
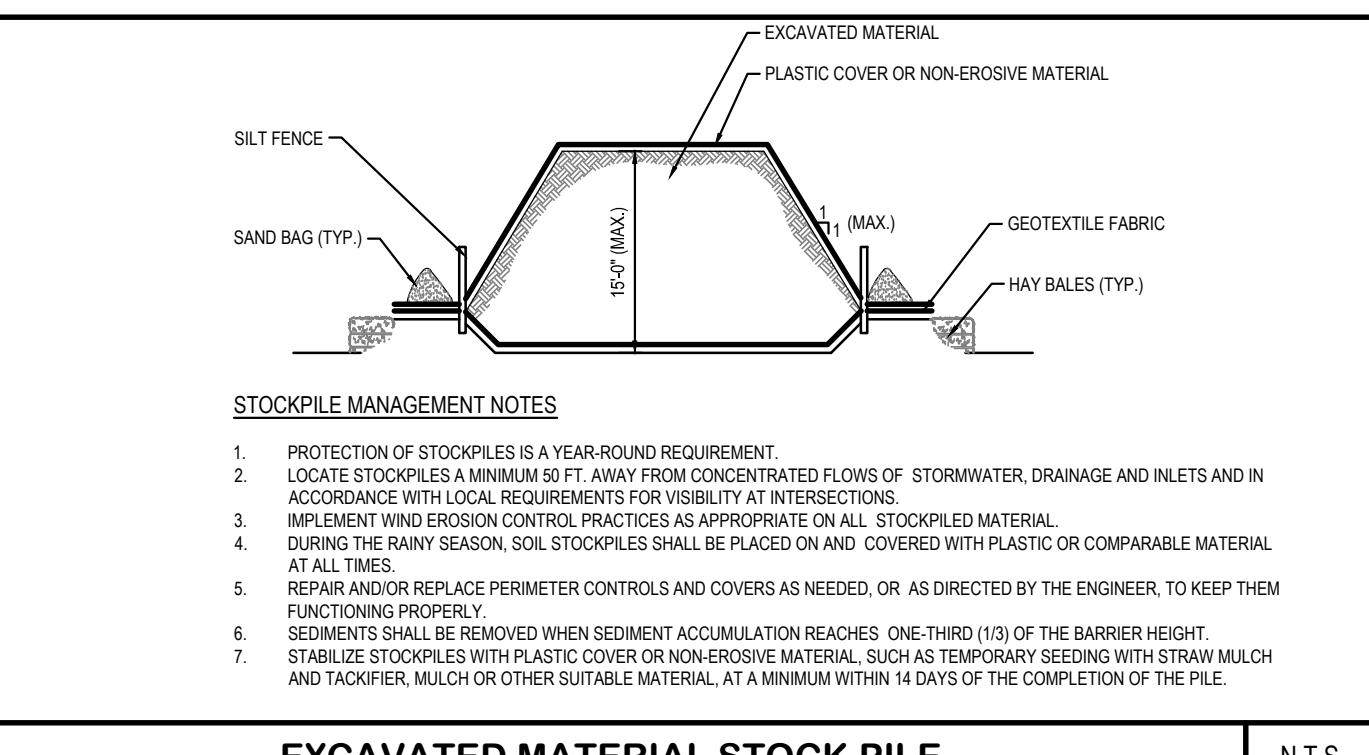
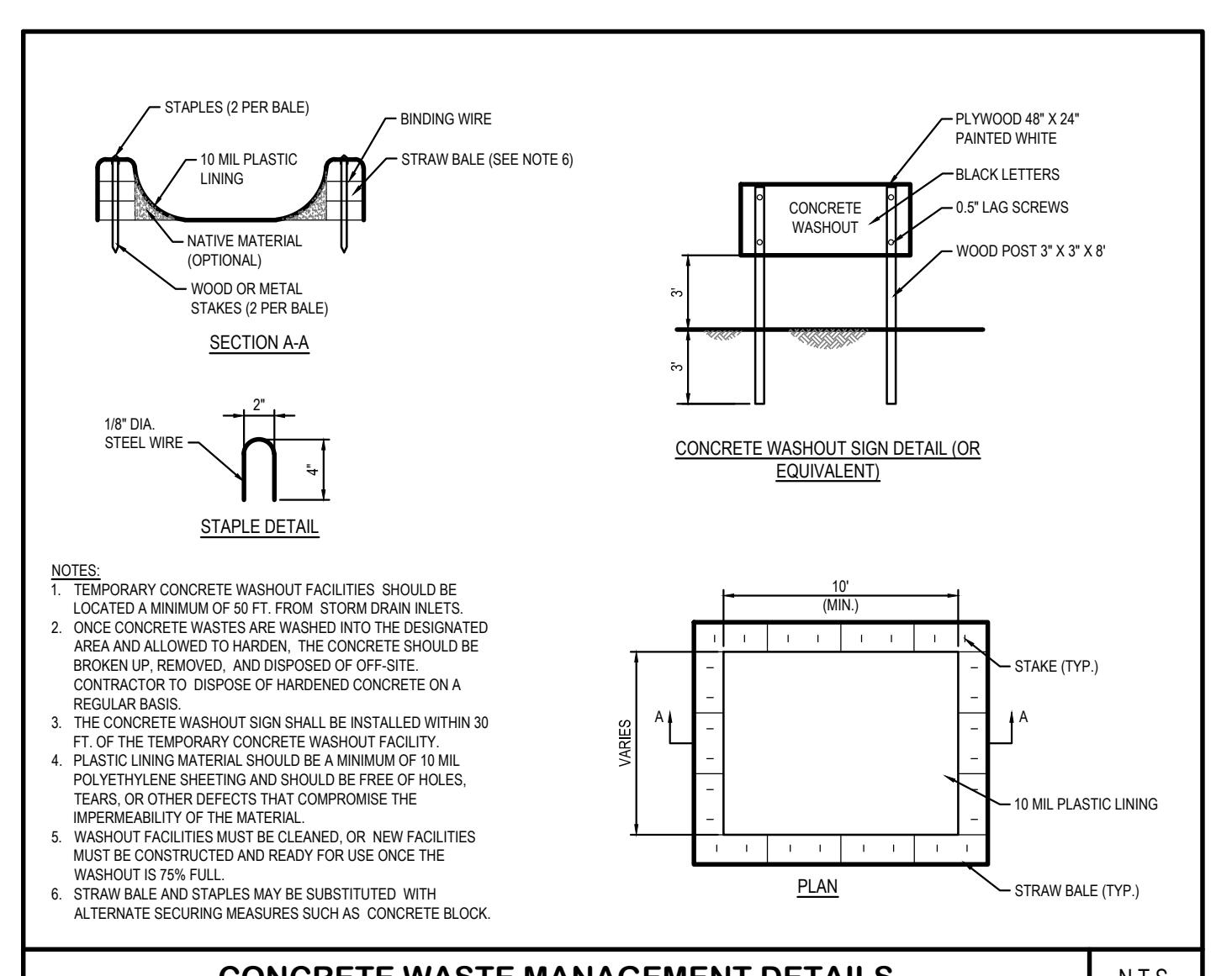
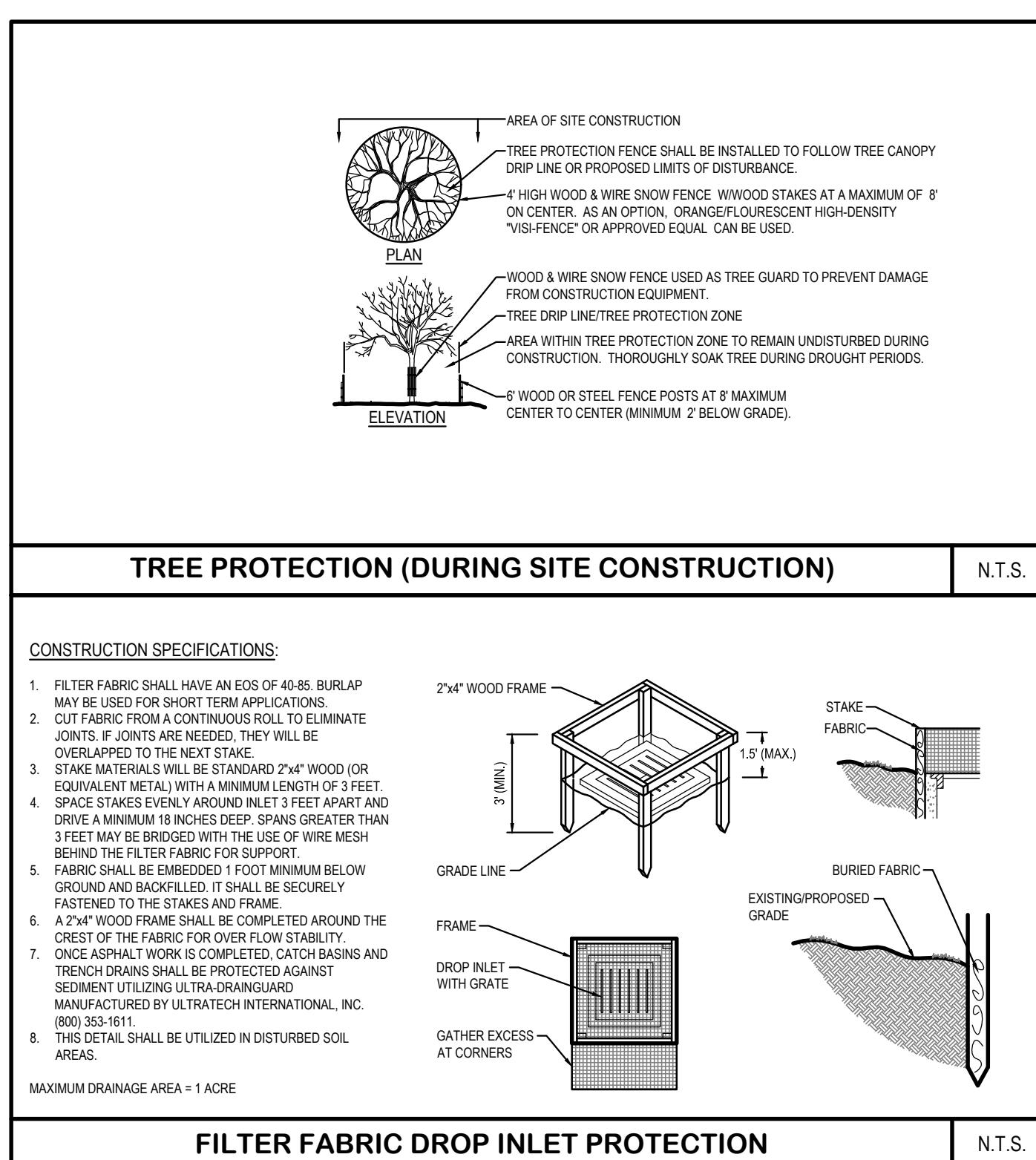
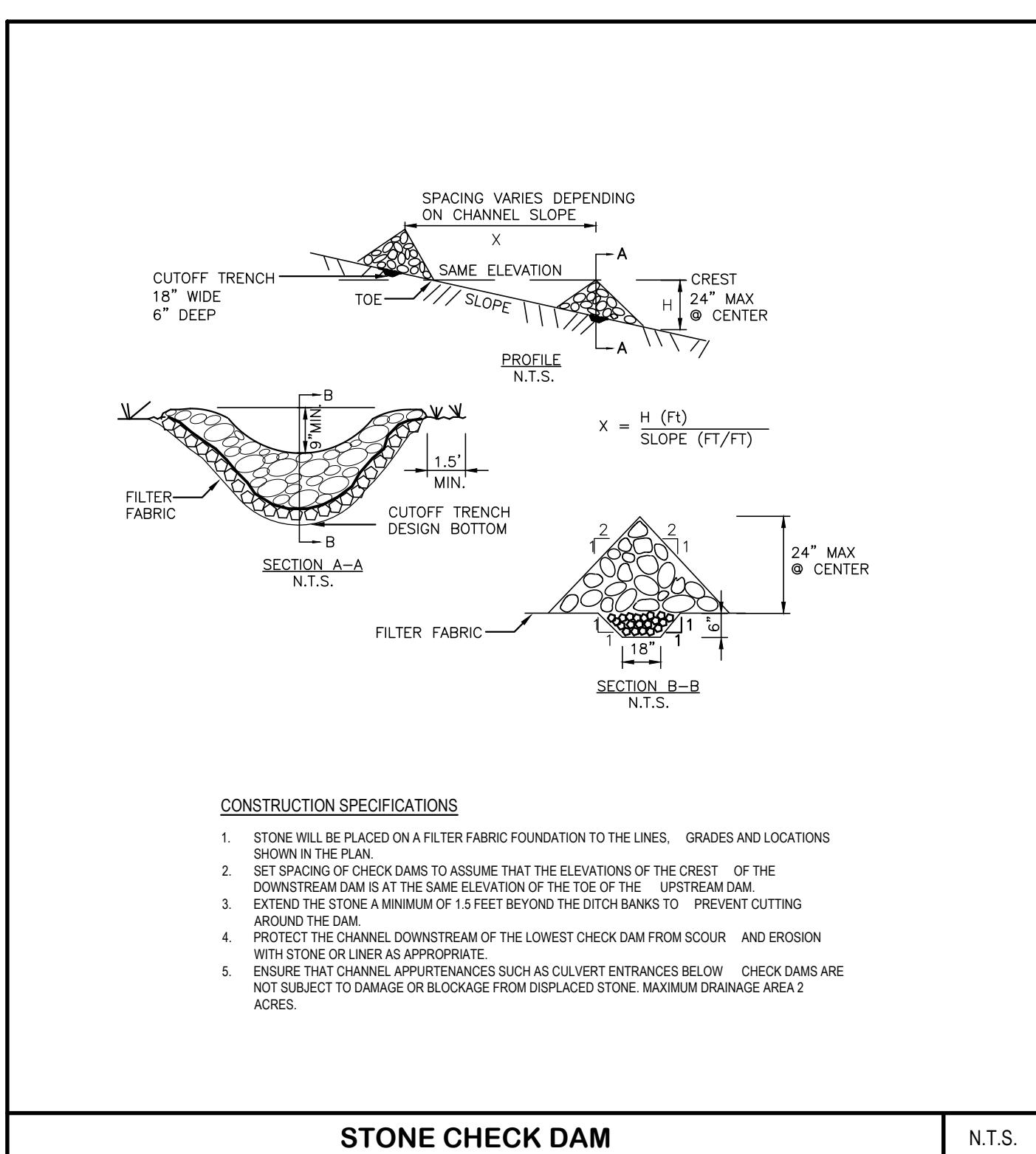
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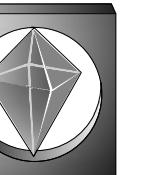
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APPROVALS



REVISIONS		
No	Date	DESCRIPTION
1	12/3/09	REVISED AS PER SCCHS COMMENTS
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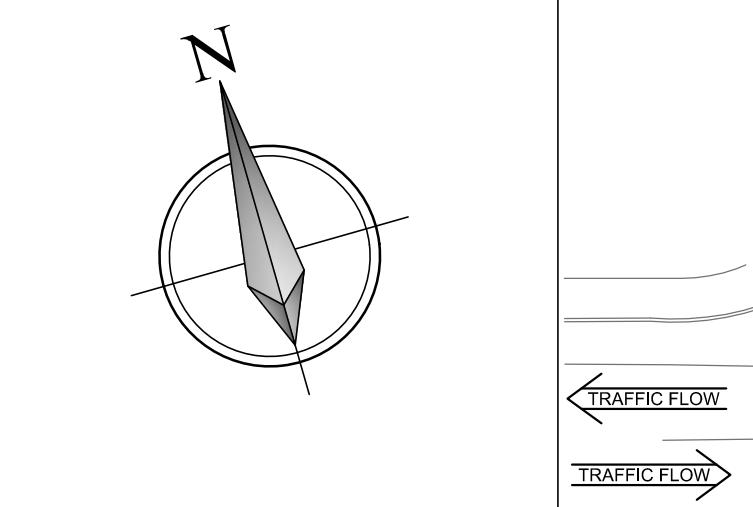


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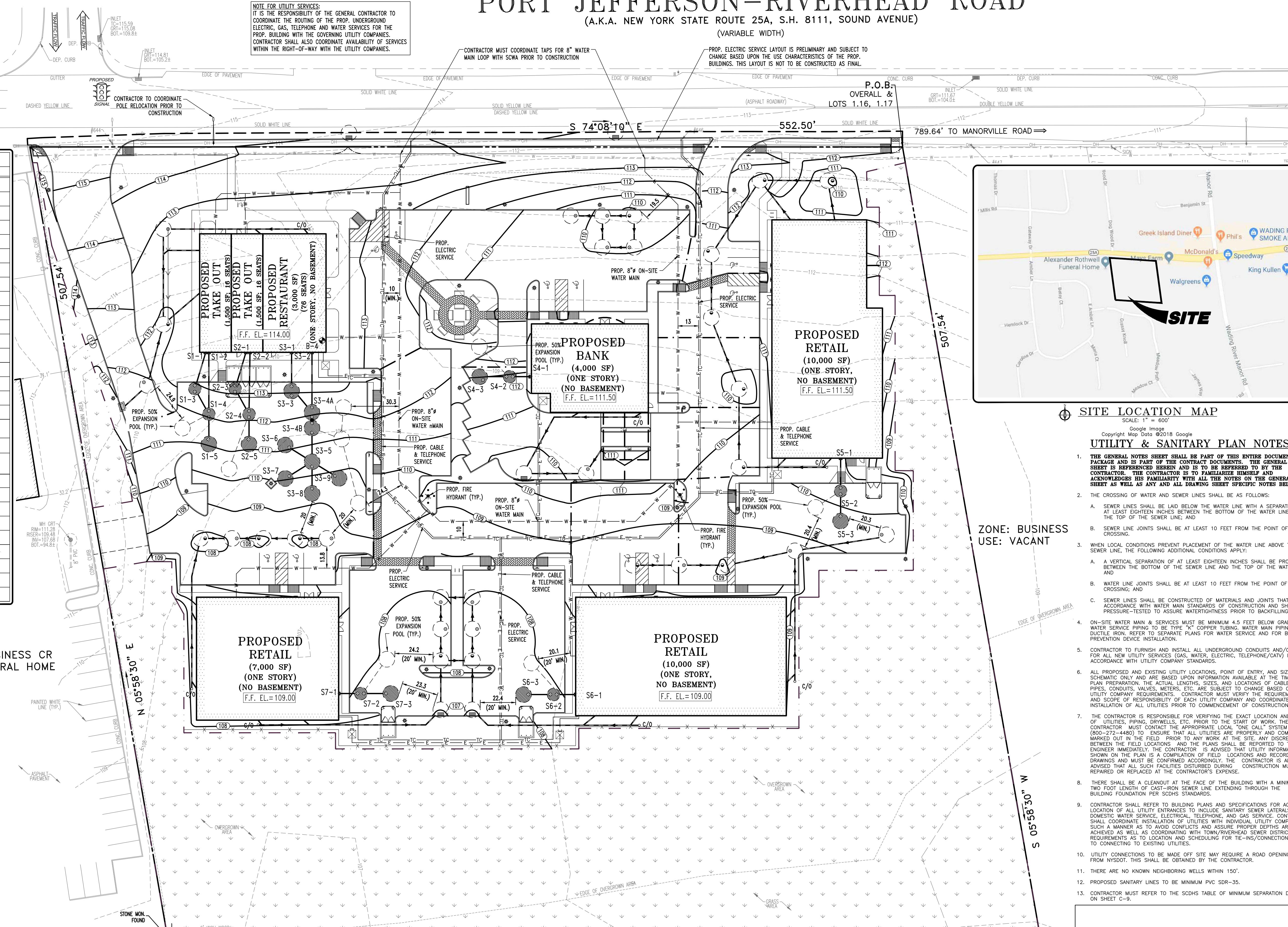
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APPROVALS



LEGEND	
EXISTING	PROPOSED
■ BUILDING	■
— PROPERTY LINE	—
— ADJACENT PROPERTY LINE	—
— PROPOSED NYSDOT DEDICATION	—
— CONCRETE CURB	—
— SIGN	—
— UTILITY POLE (RELOCATED)	—
— STREET LIGHT (RELOCATED)	—
— AREA LIGHT	—
■ INLET/CURB INLET	■
○ MANHOLE COVER	○
— CLEAN OUT C/O	—
— FIRE HYDRANT	—
— STORM PIPING	—
— SANITARY PIPING	—
— 10' DRYWELL	—
— 8' GREASE TRAP/SEPTIC TANK	—
— 10' LEACHING POOL	—
— W/W WATER SERVICE	— W/W
— GAS SERVICE	—
— ELECTRIC SERVICE	— E
— TELEPHONE & CABLE SERVICE	— TC
— TRANSFORMER	—
— CONTOUR	—
— RIDGE LINE	—
— SWALE LINE	—
— BORING LOCATION	B-4

ZONE: BUSINESS CR
USE: FUNERAL HOME



SECTION 73
BLOCK 1
LOT 1.51
N/F REPUTED OWNER
DYLAN & KATHLEEN FRIEDLANDER
L 12304, PG. 942

ZONE: RESIDENCE B-80
USE: RESIDENCE

ZONE: RESIDENCE B-80
USE: RESIDENCE

SECTION 73
BLOCK 1
LOT 1.52
N/F REPUTED OWNER
SEAN NEKNEZ/MICHELLE TAHIR
L 12284, PG. 465

ZONE: RESIDENCE B-80
USE: RESIDENCE

SECTION 73
BLOCK 1
LOT 1.53
N/F REPUTED OWNER
JAMES & CHRISTINE BELLINO
L 12304, PG. 159

ZONE: RESIDENCE B-80
USE: RESIDENCE

SCALE
30 15 7.5 0 30
1 inch = 30 ft.
DO NOT SCALE



SITE LOCATION MAP

SCALE: 1" = 600' Google Image Copyright Map Data ©2018 Google

UTILITY & SANITARY PLAN NOTES:

1. THE GENERAL NOTES SHEET SHALL BE PART OF THIS ENTIRE DOCUMENT PACKAGE AND IS PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES SHEET IS FOR INFORMATION ONLY AND IS NOT A CONTRACT DOCUMENT. THE CONTRACTOR IS TO FAMILIARIZE HIMSELF AND ACKNOWLEDGES HIS FAMILIARITY WITH ALL THE NOTES ON THE GENERAL NOTES SHEET AS WELL AS ANY AND ALL DRAWING SHEET SPECIFIC NOTES BELOW.
2. THE CROSSING OF WATER AND SEWER LINES SHALL BE AS FOLLOWS:
 - A. SEWER LINES SHALL BE LAYED BELOW THE WATER LINE WITH A SEPARATION OF AT LEAST EIGHTEEN INCHES BETWEEN THE BOTTOM OF THE WATER LINE AND THE TOP OF THE SEWER LINE; AND
 - B. SEWER LINE JOINTS SHALL BE AT LEAST 10 FEET FROM THE POINT OF CROSSING.
3. WHEN LOCAL CONDITIONS PREVENT PLACEMENT OF THE WATER LINE ABOVE THE SEWER LINE, THE FOLLOWING ADDITIONAL CONDITIONS APPLY:
 - A. A VERTICAL SEPARATION OF AT LEAST EIGHTEEN INCHES SHALL BE PROVIDED BETWEEN THE BOTTOM OF THE SEWER LINE AND THE TOP OF THE WATER LINE; AND
 - B. WATER LINE JOINTS SHALL BE AT LEAST 10 FEET FROM THE POINT OF CROSSING; AND
 - C. SEWER LINES SHALL BE CONSTRUCTED OF MATERIALS AND JOINTS THAT ARE IN ACCORDANCE WITH WATER MAIN STANDARDS OF CONSTRUCTION AND SHALL BE PRESSURE-TESTED TO ASSURE WATERTIGHTNESS PRIOR TO BACKFILLING.
4. ON-SITE WATER MAIN & SERVICES MUST BE MINIMUM 4.5 FEET BELOW GRADE. WATER SERVICE PIPING TO BE TYPE "K" COPPER TUBING. WATER MAIN PIPING TO BE DUCTILE IRON. REFER TO SEPARATE PLANS FOR WATER SERVICE AND FOR BACKFLOW PREVENTION DEVICE INSTALLATION.
5. CONTRACTOR TO FURNISH AND INSTALL ALL UNDERGROUND CONDUITS AND/OR PIPING FOR ALL NEW UTILITY SERVICES (GAS, WATER, ELECTRIC, TELEPHONE/CATV) IN ACCORDANCE WITH APPROPRIATE UTILITY COMPANY STANDARDS.
6. ALL PROPOSED AND EXISTING UTILITY LOCATIONS, POINT OF ENTRY, AND SIZES ARE SHOWN ONLY AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. THE ACTUAL LENGTHS, SIZES, AND LOCATIONS OF CABLES, PIPES, CONDUITS, VALVES, METERS, ETC. ARE SUBJECT TO CHANGE BASED ON UTILITY REQUIREMENTS. REFER TO SEPARATE PLANS FOR UTILITY LOCATIONS AND SCOPE OF RESPONSIBILITY OF EACH UTILITY COMPANY AND COORDINATE THE INSTALLATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
7. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATION AND DEPTH OF UTILITIES, PIPING, DRYWELLS, ETC. PRIOR TO THE START OF WORK. THE CONTRACTOR MUST CONTACT THE APPROPRIATE LOCAL "ONE CALL" SYSTEM (300-343-4357) AND ENLIST THE SERVICES OF A PROFESSIONAL TO COMPLETELY MARKED OUT THE FIELD. PRIOR TO ANY WORK AT THE SITE, ANY DISCREPANCIES BETWEEN THE FIELD LOCATIONS AND THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. THE CONTRACTOR IS ADVISED THAT UTILITY INFORMATION SHOWN ON THE PLANS IS FOR INFORMATION ONLY AND NOT LOCATIONS AND SIZES OF DRAWINGS AND MUST BE CONFIRMED ACCORDINGLY. THE CONTRACTOR IS ALSO ADVISED THAT ALL SUCH FACILITIES DISTURBED DURING CONSTRUCTION MUST BE REPAVED OR REPAVED AT THE CONTRACTOR'S EXPENSE.
8. THERE SHALL BE A CLEANOUT AT THE FACE OF THE BUILDING WITH A MINIMUM TWO FOOT LENGTH OF CAST-IRON SEWER LINE EXTENDING THROUGH THE BUILDING FOUNDATION PER COMS STANDARDS.
9. CONTRACTOR SHALL REFER TO THE PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY, SEWER, LATERALS, DOMESTIC WATER SERVICE, ELECTRICAL, TELEPHONE, AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES WITH INDIVIDUAL UTILITY COMPANIES IN SUCH A MANNER AS TO BE CONVENIENT AND AS PER PROPER DETAILS AS AGREED UPON, AS WELL AS COORDINATE WITH TOWN/PERMITTER FOR DISTRICT UTILITY REQUIREMENTS AS TO LOCATION AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
10. UTILITY CONNECTIONS TO BE MADE OFF SITE MAY REQUIRE A ROAD OPENING PERMIT FROM NYSDOT. THIS SHALL BE OBTAINED BY THE CONTRACTOR.
11. THERE ARE NO KNOWN NEIGHBORING WELLS WITHIN 150'.
12. PROPOSED SANITARY LINES TO BE MINIMUM PVC SDR-35.
13. CONTRACTOR MUST REFER TO THE SCDSH TABLE OF MINIMUM SEPARATION DISTANCES ON SHEET C-9.

REVISIONS	
No	Date
1	12/3/09
2	11/18/15
3	9/20/17
4	3/18/18
5	11/19/18
6	12/21/19
7	2/1/23
	REV. PER TOWN PLANNING DEPARTMENT COMMENTS
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	REV. SITE COVERAGE AREAS



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JOSEPH A. DEAL
PROFESSIONAL ENGINEER
NEW YORK LICENSE NO. 087122

DATE: 09/18/08 DRAWN BY: MD
SCALE: AS SHOWN CHECKED BY: JPC
CADD NO.: N08029-SS-7A PROJECT NO.: N08029

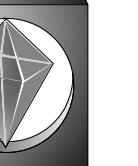
NOT FOR CONSTRUCTION

NYS DOT CASE #: N/A
HEALTH DEP. REF. #: N/A

CLIENT: VENEZIA
PROJECT: SQUARE, LLC c/o
THE
NORTH WIND
GROUP
PORT JEFFERSON-RIVERHEAD ROAD
(NYS ROUTE 25A)
WADING RIVER
TOWN OF RIVERHEAD
SUFFOLK COUNTY, NY 11792
TAX MAP #: 600-73-1-14, 1.16-1.19

TITLE: **UTILITY & SANITARY PLAN**
SHEET NO. C-8 REV. 7
SUBMISSION SET
C-8
OF 15

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL



BOHLER ENGINEERING

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APPROVALS

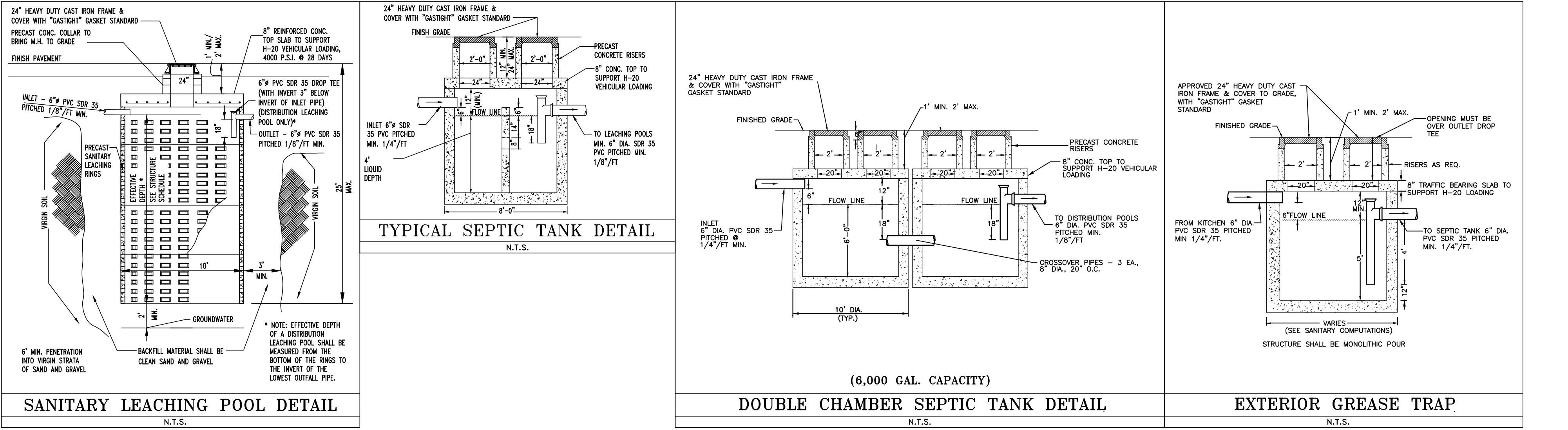


TABLE 2 - MINIMUM HORIZONTAL SEPARATION DISTANCES

Table of Minimum Horizontal Separation Distances From:	Septic Tank, Pump Station, Grease Trap, or Manhole	Leaching Pool ³	Sewer Line, Force Main
Building with Cellar	10 ft.	10 ft.	5 ft.
Building on Slab	5 ft.	10 ft.	5 ft.
Water Service Line/Laterals/Mains ⁵	10 ft.	10 ft.	10 ft. ⁴
Underground Utilities	5 ft.	5 ft.	
Surface Water/Regulated Wetlands	75 ft.	100 ft.	50 ft.
Public Water Well ²	200 ft.	200 ft.	50 ft.
Private Well ¹	100 ft.	150 ft.	50 ft.
Storm Drain/Stormwater Recharge Basin ⁵	20 ft.	20 ft.	10 ft.
Catch Basins (non leaching)/Drainage Pipe ⁶	5 ft.	10 ft.	5 ft.
Leaching Pool	8 ft.	8 ft.	10 ft. ⁷
Septic Tank, Pump Station, Grease Trap, or Manhole ⁸	5 ft.	8 ft.	5 ft.
Property Lines	5 ft.	10 ft.	5 ft.
Swimming Pool	20 ft.	20 ft.	5 ft.
Retaining Wall (water proof)	10 ft.	10 ft.	5 ft.
Fuel Storage Tanks (below ground)	20 ft.	20 ft.	10 ft.
Top of Embankment or Steep Slope (15% slope or greater)	25 ft.	25 ft.	25 ft.
Bluffs	65 ft.	65 ft.	65 ft.

¹ Increased distance between leaching pools and private wells may be required based upon the depth of the well(s) involved and the direction of groundwater flow. Refer to **Standards For The Design Of Individual Water Supply Systems**. Discharges from treatment works shall be located down gradient of the well or out of the groundwater flowpath towards the well. Precise groundwater flow direction measurements may be required.
² Significant discharges (generally greater than 5,000 gpd or those in proximity to wells) are subject to a separate review by the department.
³ Leaching pools for treatment works have different distance requirements. See **Appendix A** and **Appendix B** for distance requirements for leaching pools or recharge beds associated with modified subsurface sewage disposal systems and treatment works, respectively.
⁴ Water and sewer lines may be in the same trench if the water line is placed on an undisturbed bench or shelf so that the bottom of the water main is at least 18 inches higher than the top of the sewer and the sewer is not subject to settling, vibration, superimposed loads, or frost action.
⁵ A minimum of 10 foot separation is required between water service line/laterals/main and the edge of all stormwater drainage leaching structures.
⁶ A minimum of 5 foot separation is required between water service line/laterals/main and the edge of all stormwater drainage non-leaching structures and associated piping.
⁷ Sewer piping between clusters of leaching pools may be installed at lesser separation distances.
⁸ Multiple unit septic tanks and grease traps shall be considered one structure and therefore individual components may be installed at lesser separation distances.

SANITARY DENSITY COMPUTATIONS

ALLOWABLE SANITARY DENSITY FLOW

SITE AREA = 6.342 ACRES (276,249 SF)
GROUNDWATER MANAGEMENT ZONE III = 300 GPD/AC
AREA OF SITE IN GROUNDWATER MANAGEMENT ZONE III = 6.342 ACRES
(300 GPD/AC X 6.342 AC) = 1,902.6 GPD ALLOWABLE

PROPOSED SANITARY FLOW

DENSITY COMPUTATIONS PER TENANT LIST (PROPOSED CONDITIONS)					
Tenant	Use	Building Area	Restaurant Seats	Density Flow Rate	Density Flow
TENANT 1	WET RETAIL W/FOOD	1,500 SF	16 SEATS	0.03 GPD/SF	45.00 GPD
TENANT 2	WET RETAIL W/FOOD	1,500 SF	16 SEATS	0.03 GPD/SF	45.00 GPD
TENANT 3	RESTAURANT	3,000 SF	76 SEATS	10 GPD/SEAT	760.00 GPD
TENANT 4	BANK	4,000 SF	-----	0.06 GPD/SF	240.00 GPD
TENANT 5	DRY RETAIL	10,000 SF	-----	0.03 GPD/SF	300.00 GPD
TENANT 6	DRY RETAIL	10,000 SF	-----	0.03 GPD/SF	300.00 GPD
TENANT 7	DRY RETAIL	7,000 SF	-----	0.03 GPD/SF	210.00 GPD
Total:		37,000 SF		Total Density Flow:	1,902.6 GPD

ALLOWABLE DENSITY FLOW = 1,902.6 GPD
PROPOSED DENSITY FLOW = 1,900.0 GPD

SANITARY SYSTEM DESIGN #1 & 2

SANITARY SYSTEM DESIGN #4

DESIGN FLOW

USE: WET RETAIL W/FOOD = 0.15 GPD/SF
BUILDING AREA = 1,500 SF
TOTAL DAILY FLOW = 1,500 SF X 0.15 GPD/SF = 225 GPD

SEPTIC TANK

REQUIRED CAPACITY = 2 DAYS FLOW =
225 GPD X 2 DAYS = 450 GPD
MINIMUM ALLOWABLE SEPTIC TANK PER SCDS STANDARDS IS 1,200 GAL
USE A SINGLE SEPTIC TANK 8' DIA. X 4' LIQ. DEPTH
CAPACITY = 1,200 GAL

LEACHING POOLS

DESIGN FLOW = 225 GPD
LEACHING RATE = 1.5 GPD/SF
REQUIRED SIDEWALL AREA = 225 GPD/1.5 GPD/SF = 150 SF
MINIMUM ALLOWABLE LEACHING POOL PER SCDS STANDARDS IS 300 SF (9.55 VF)
USE 1 LEACHING POOL @ 10' X 10' VF EFFECTIVE DEPTH
TOTAL EFFECTIVE DEPTH = 10 VF

SANITARY SYSTEM DESIGN #5 & 6

DESIGN FLOW

USE: DRY RETAIL = 0.03 GPD/SF
BUILDING AREA = 10,000 SF
TOTAL DAILY FLOW = 10,000 SF X 0.03 GPD/SF = 300 GPD

SEPTIC TANK

REQUIRED CAPACITY = 2 DAYS FLOW =
300 GPD X 2 DAYS = 600 GPD
MINIMUM ALLOWABLE SEPTIC TANK PER SCDS STANDARDS IS 1,200 GAL
USE A SINGLE SEPTIC TANK 8' DIA. X 4' LIQ. DEPTH FOR EACH SYSTEM
CAPACITY = 1,200 GAL

LEACHING POOLS

DESIGN FLOW = 300 GPD
LEACHING RATE = 1.5 GPD/SF
REQUIRED SIDEWALL AREA = 2,280 GPD/1.5 GPD/SF = 1,520 SF
REQUIRED DEPTH = 1,520 SF/31.42 SF/VF = 48.38 VF
USE 5 LEACHING POOLS @ 10' X 10' VF EFFECTIVE DEPTH
TOTAL EFFECTIVE DEPTH = 50 VF

SANITARY SYSTEM DESIGN #7

DESIGN FLOW

USE: DRY RETAIL = 0.03 GPD/SF
BUILDING AREA = 7,000 SF
TOTAL DAILY FLOW = 7,000 SF X 0.03 GPD/SF = 210 GPD

SEPTIC TANK

REQUIRED CAPACITY = 2 DAYS FLOW =
300 GPD X 2 DAYS = 600 GPD
MINIMUM ALLOWABLE SEPTIC TANK PER SCDS STANDARDS IS 1,200 GAL
USE A SINGLE SEPTIC TANK 8' DIA. X 4' LIQ. DEPTH FOR EACH SYSTEM
CAPACITY = 1,200 GAL

LEACHING POOLS

DESIGN FLOW = 210 GPD
LEACHING RATE = 1.5 GPD/SF
REQUIRED SIDEWALL AREA = 210 GPD/1.5 GPD/SF = 140 SF
REQUIRED DEPTH = 140 SF/31.42 SF/VF = 4.46 VF
USE 1 LEACHING POOL @ 10' X 10' VF EFFECTIVE DEPTH
TOTAL EFFECTIVE DEPTH = 10 VF

SANITARY STRUCTURE SCHEDULE

STRUCTURE	STRUCTURE TYPE	RIM	TOP OF RINGS	BOT. OF RINGS	INV. IN	INV. OUT	EFF. DEPTH
S1-1	KITCHEN OUTLET	114.00	-	-	-	111.00	-
S1-2	SANITARY OUTLET	114.00	-	-	-	111.00	-
S1-3	8'0 GREASE TRAP	112.95 / 112.75	111.00	105.00	110.50	110.00	5
S1-4	8'0 SEPTIC TANK	112.20 / 112.00	110.30	105.30	109.80	109.30	4
S1-5	10'0 LEACHING POOL	111.25	109.50	98.50	108.50	-	10
TOTAL S1 LEACHING POOL EFF. DEPTH: 10							
S2-1	KITCHEN OUTLET	114.00	-	-	111.00	-	-
S2-2	SANITARY OUTLET	114.00	-	-	111.00	-	-
S2-3	8'0 GREASE TRAP	113.25 / 113.05	111.00	105.00	110.50	110.00	5
S2-4	8'0 SEPTIC TANK	112.35 / 112.15	110.30	105.30	109.80	109.30	4
S2-5	10'0 LEACHING POOL	111.40	109.55	98.55	109.00	-	10
TOTAL S2 LEACHING POOL EFF. DEPTH: 10							
S3-1	KITCHEN OUTLET	114.00	-	-	-	111.00	-
S3-2	SANITARY OUTLET	114.00	-	-	-	111.00	-
S3-3	10'0 GREASE TRAP	115.20 / 115.00	111.05	105.05	110.55	110.05	5
S3-4A	10'0 SEPTIC TANK	112.30 / 111.90	109.70	103.70	109.20	107.20	5
S3-4B	10'0 SEPTIC TANK	111.70 / 111.40	109.70	103.70	107.20	108.70	5
S3-5	10'0 DISTRIBUTION POOL	110.25	108.95	97.95	108.20	107.95	10
S3-6	10'0 LEACHING POOL	111.05	108.80	97.80	107.80	-	10
S3-7	10'0 LEACHING POOL	110.10	107.55	96.55	106.55	-	10
S3-8	10'0 LEACHING POOL	109.55	107.55	96.55	106.55	-	10
S3-9	10'0 LEACHING POOL	109.80	107.55	96.55	106.55	-	10
TOTAL S3 LEACHING POOL EFF. DEPTH: 10							
S4-1	SANITARY OUTLET	112.25	-	-	-	107.50	-
S4-2	8'0 SEPTIC TANK	111.95 / 111.95	109.75	102.75	107.25	106.75	4
S4-3	10'0 LEACHING POOL	111.95	109.55	96.55	106.55	-	10
TOTAL S4 LEACHING POOL EFF. DEPTH: 10							
S5-1	SANITARY OUTLET	111.50	-	-	-	107.50	-

LANDSCAPE NOTES

1. SCOPE OF WORK:

A. THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SODDING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR.

2. MATERIALS

- A. GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.
- B. TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.
- C. LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM SIX INCH (6") THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED WITHIN THE SOIL EROSION AND SEDIMENT CONTROL NOTES.
- D. WEED BARRIER LANDSCAPE FABRIC-ALL PLANTING AREAS AND PLANTING PITS SHALL BE COVERED WITH WEED BARRIER LANDSCAPE FABRIC (EXXON LSF OR MIRAFI MIRASCAPE). NO FABRIC OR MULCH SHALL TOUCH THE TRUNK OF THE TREE OR SHRUB.
- E. MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A 3" THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN.

IRRIGATION NOTE:

CONTRACTOR SHALL PROVIDE AN IRRIGATION SYSTEM, COMPLETE WITH DESIGN AND INSTALLATION, FOR BOTH LAWN & BOUNDARY AREAS. DESIGN IS TO BE SUBMITTED TO THE PROJECT LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY IRRIGATION SYSTEM COMPONENTS INCLUDING, BUT NOT LIMITED TO, ANY PRESSURE REDUCING DEVICES REQUIRED TO MEET MAXIMUM PRESSURE REQUIREMENT FOR IRRIGATION SYSTEM, AS WELL AS PRESSURE REGULATORS, SUCH PRESSURE REDUCING DEVICES. SYSTEM DESIGN TO SHOW ALL VALVES, PIPING, HEADS, BACKFLOW PREVENTION, METERS AND CONTROLLERS. ALL SLEEVES IN PAVEMENT AREAS MUST BE SHOWN.

- F. FERTILIZER
 - i. FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE.
 - ii. FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.
- G. PLANT MATERIAL
 - i. ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN).
 - ii. IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRIORITY OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.
 - iii. PLANTS SHALL BE LEGILY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.
 - iv. TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISIGURATION OR FRESH CUTS OF LIMBS OVER 1 1/2", WHICH HAVE NOT BEEN COMPLETELY CALLUSED, SHALL BE REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES.
 - v. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH: WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.
 - vi. CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE.

vii. SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH.

viii. TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.

3. GENERAL WORK PROCEDURES

- A. CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF.
- B. WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.
- C. SITE PREPARATIONS
 - A. BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.
 - B. ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE BRANCH COLLAR. CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.

- C. CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.
- D. TREE PROTECTION
 - A. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DRIPLINE OR 15 FEET FROM THE TRUNK OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICTE TREE PROTECTION ZONE SHALL BE HONORED.
 - B. A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY "VISI-FENCE", OR APPROVED EQUAL, MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS SHALL BE LOCATED AT A MAXIMUM OF EIGHT FEET (8') ON CENTER AS INDICATED WITHIN THE TREE PROTECTION DETAIL.
 - C. WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING, TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
 - D. AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.

- E. SOIL MODIFICATIONS
 - A. CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY.
 - B. LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETERMINANT TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS.
 - C. THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY.

i. TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12". USE COMPOSED BARK, COMPOSED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.

ii. TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSED PINE BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.

iii. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.

7. FINISHED GRADING

- A. UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINISH-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.
- B. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (1 1/2").
- C. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THE SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.
- D. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.

- E. TOPSOILING
 - A. CONTRACTOR SHALL PROVIDE A SIX INCH (6") THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS.
 - B. ON-SITE TOPSOIL MAY BE USED TO SUBSTITUTE THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.
 - C. CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY NEED TO BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE.

D. ALL PLANTING AND LAWN AREAS ARE TO BE CULTIVATED TO A DEPTH OF SIX INCHES (6"). ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES SECTION ABOVE. THE FOLLOWING SHALL BE TILLED INTO THE TOP FOUR INCHES (4") IN TWO DIRECTIONS (QUANTITIES BASED ON A 1,000 SQUARE FOOT AREA):

- i. 20 POUNDS "GROW POWER" OR APPROVED EQUAL
- ii. 20 POUNDS NITRO-FORM (COARSE) 38-0-0 BLUE CHIP

E. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS.

9. PLANTING

A. INsofar that it is feasible, plant material shall be planted on the day of delivery. In the event that this is not possible, landscape contractor shall protect uninstalled plant material. Plants shall not remain unplanted for longer than a three day period after delivery. Plants that will not be planted for a period of time greater than three days shall be healed in with topsoil or mulch to help preserve root moisture.

B. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION.

C. ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNED TO MAKE CLEAN-CUT EDGES PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY INJURED OR DISEASED BRANCHING SHALL BE REMOVED.

D. ALL PLANTING CONTAINERS, BASKETS AND NON-Biodegradable MATERIALS SHALL BE REMOVED FROM ROOT BALLS DURING PLANTING. NATURAL FIBER BURLAP MUST BE CUT FROM AROUND THE TRUNK OF THE TREE AND FOLDED DOWN AGAINST THE ROOT BALL PRIOR TO BACKFILLING.

E. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.

F. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE, AS SHOWN ON THE APPROVED LANDSCAPE PLAN, MUST BE INSTALLED, INSPECTED AND APPROVED BY THE APPROVING AGENCY. THE APPROVING AGENCY SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS:

- i. PLANTS: MARCH 15 TO DECEMBER 15
- ii. LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1

PLANTINGS REQUIRED FOR A CERTIFICATE OF OCCUPANCY SHALL BE PROVIDED DURING THE NEXT APPROPRIATE SEASON AT THE MUNICIPALITY'S DISCRETION. CONTRACTOR SHOULD CONTACT APPROVING AGENCY FOR POTENTIAL SUBSTITUTIONS.

G. FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE UNUSUALLY SUSCEPTIBLE TO WINTER DAMAGE, WITH TRANSPLANT SHOCK AND THE SEASONAL LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DEATH IS GREATLY INCREASED. IT IS NOT RECOMMENDED THAT THESE SPECIES BE PLANTED DURING THE FALL PLANTING SEASON:

- (1) ACER RUBRUM PLATANUS X ACERIFOLIA
- (2) BETULA VARIETIES POPULUS VARIETIES
- (3) CARPINUS VARIETIES PRUNUS VARIETIES
- (4) CRATAEGUS VARIETIES PYRUS VARIETIES
- (5) KOELREUTERIA QUERCUS VARIETIES
- (6) LIQUIDAMBAR STRYCATIFLIA TILA TOMENTOSA
- (7) LIRIODENDRON TULIPIFERA ZELKOVA VARIETIES

H. PLANTING PITS SHALL BE DUG WITH LEVEL OR CONVEX BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:

- i. 1 PART PEAT MOSS

- ii. 1 PART COMPOSTED COW MANURE BY VOLUME

- iii. 3 PARTS TOPSOIL BY VOLUME

- iv. 21 GRAMS "AGRIFORM" PLANTING TABLETS (OR APPROVED EQUAL) AS FOLLOWS:

- (1) 2 TABLETS PER 1 GALLON PLANT
- (2) 3 TABLETS PER 5 GALLON PLANT
- (3) 4 TABLETS PER 15 GALLON PLANT
- (4) LARGER PLANTS: 2 TABLETS PER 1/2 CALIPER OF TRUNK

i. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.

J. ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE ROOT BALL, THE POINT AT WHICH THE ROOT FLARE BEGINS, IS SET AT GROUND LEVEL AND IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL.

K. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE. NO PRUNING SHALL BE CONDUCTED WITHIN THE FIRST YEAR OF PLANTING, EXCEPT TO CLEAR LOW HANGING BRANCHES.

L. GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 3" OF PREPARED SOIL PRIOR TO PLANTING. ALL GROUND COVER AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER MANUFACTURER'S RECOMMENDATION.

M. NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS.

N. ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR SAUCER. NO MULCH IS TO TOUCH THE TRUNK OF THE TREE OR SHRUB.

O. ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING SPECIFICATIONS AS LISTED HEREIN.

10. TRANSPLANTING (WHEN REQUIRED)

A. ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT. (SEE SPECIFICATION 2.F. ABOVE)

B. PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE HEALED IN WITH MULCH OR SOIL, ADEQUATELY WATERED AND PROTECTED FROM EXTREME HEAT, SUN AND WIND.

C. PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BETWEEN APRIL 10 AND JUNE 30.

D. UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WITH FERTILIZER AND ROOT GROWTH HORMONE.

E. TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF THE GUARANTEE PERIOD SPECIFIED HEREIN.

F. IF TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN SIX INCHES (6") DBH SHALL BE REPLACED IN KIND. TREES GREATER THAN SIX INCHES (6") DBH MAY BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH THE MUNICIPALITY'S TREE REPLACEMENT GUIDELINES.

11. WATERING

A. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL PLANTS ARE ESTABLISHED.

B. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE, CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER. THE USE OF WATERING BAGS IS RECOMMENDED FOR ALL NEWLY PLANTED TREES.

C. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH.

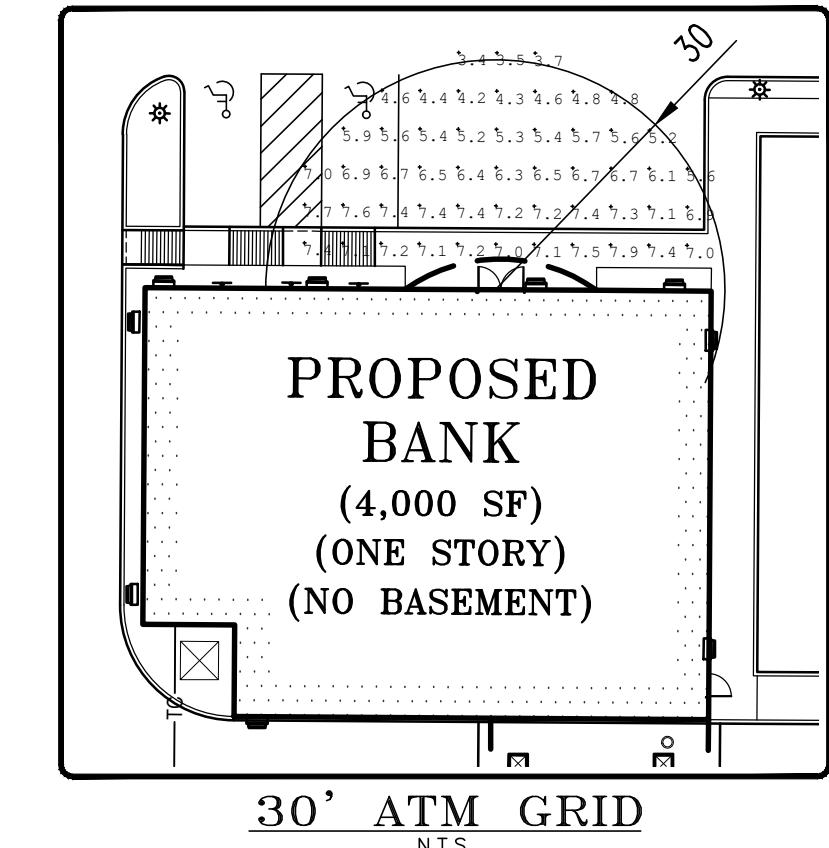
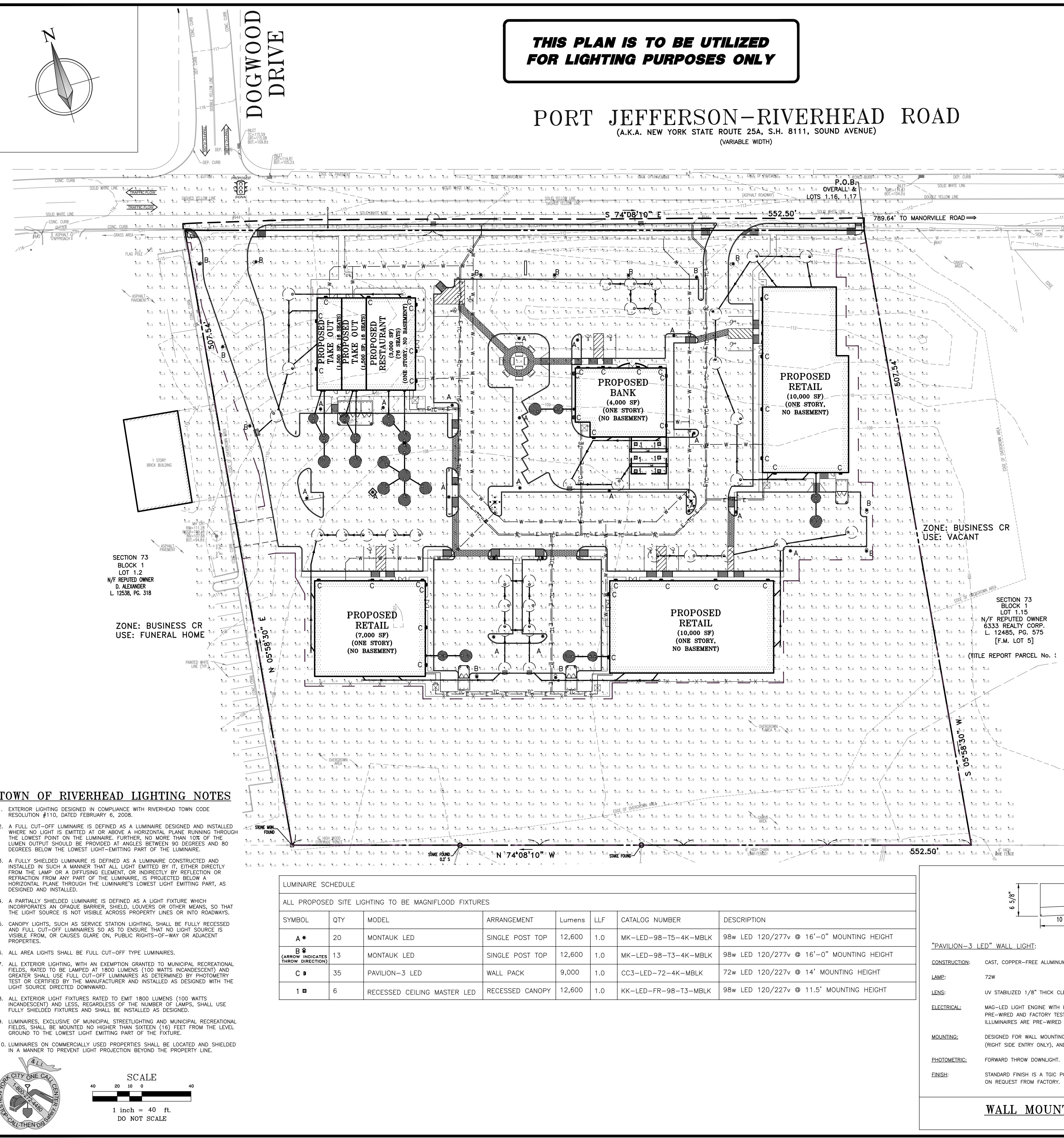
12. GUARANTEE

A. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE APPROVING AGENCY. CONTRACTOR SHALL SUPPLY THE OWNER WITH A MAINTENANCE BOND FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSION OF THE GUARANTEE PERIOD AND WHEN A FINAL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.

B. ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED FOR THE LENGTH OF THE GUARANTEE PERIOD. REPLACEMENT OF PLANT MATERIAL SHALL BE CONDUCTED AT THE FIRST SUCCEEDING PLANTING SEASON. ANY DEBRIS SHALL BE DISPOSED OF OFF-SITE, WITHOUT EXCEPTION.

C. TREES AND SHRUBS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND THROUGHOUT THE 90 DAY MAINTENANCE PERIOD AS SPECIFIED HEREIN. CULTIVATION, WEEDING, WATERING AND THE PREVENTATIVE TREATMENTS SHALL BE PERFORMED AS NECESSARY TO KEEP PLANT MATERIAL IN GOOD CONDITION AND FREE OF INSECTS AND DISEASE.

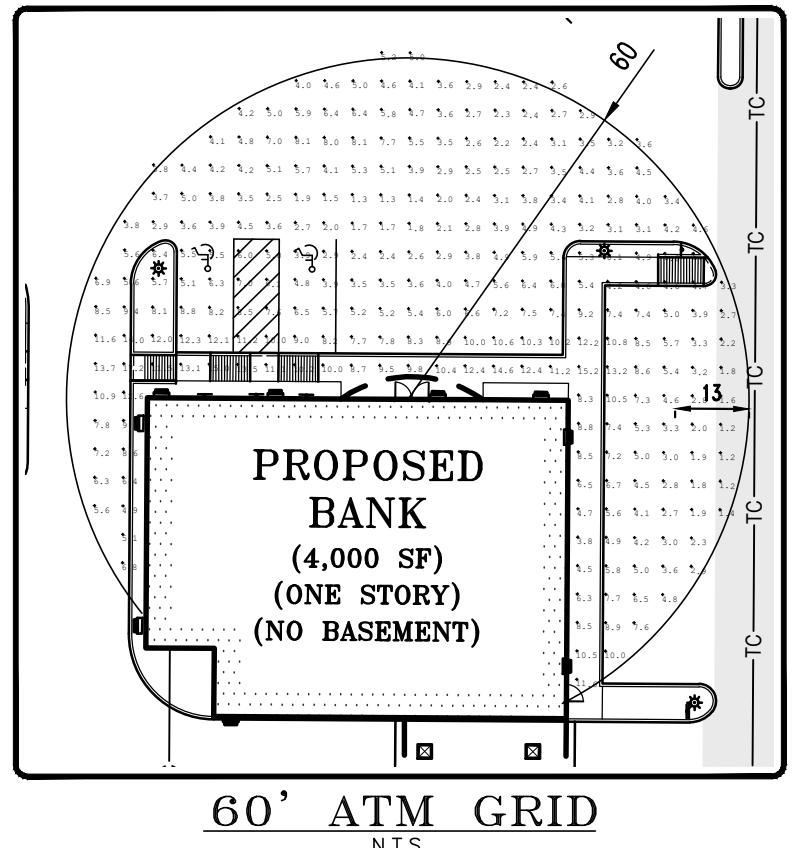
D. LAWNS SHALL BE MAINTAINED THROUGH WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, REGARDING



PROPOSED BANK
(4,000 SF)
(ONE STORY)
(NO BASEMENT)

30' ATM GRID
N.T.S.

NOTE:
ATM GRID ILLUMINATION LEVELS ARE MEASURED AT AN
ELEVATION OF GROUND LEVEL



PROPOSED BANK
(4,000 SF)
(ONE STORY)
(NO BASEMENT)

60' ATM GRID
N.T.S.

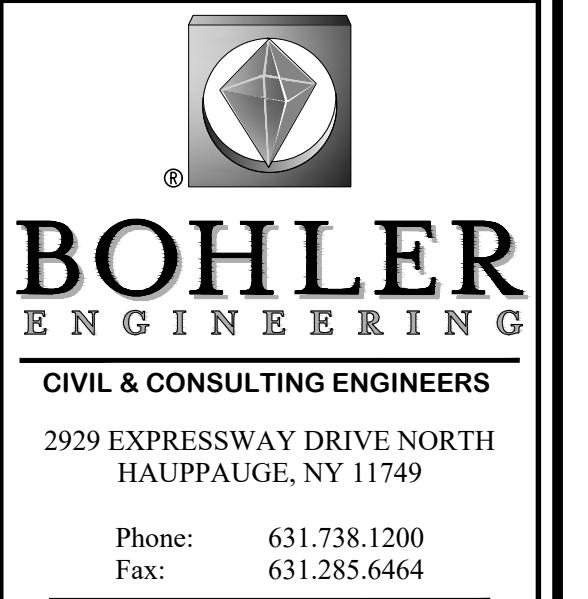
NOTE:
ATM GRID ILLUMINATION LEVELS ARE MEASURED AT AN
ELEVATION OF 5 FEET ABOVE GRADE

LIGHTING NOTES

1. THE GENERAL NOTES SHEET SHALL BE PART OF THIS ENTIRE DOCUMENT PACKAGE AND IS PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES SHEET IS REFERENCED HEREIN AND IS TO BE REFERRED TO BY THE CONTRACTOR. THE CONTRACTOR IS TO FAMILIARIZE HIMSELF AND ACKNOWLEDGES HIS FAMILIARITY WITH ALL THE NOTES ON THE GENERAL NOTES SHEET AS WELL AS ANY AND ALL DRAWING SHEET SPECIFIC NOTES BELOW.
2. LIGHTING SHALL BE DIRECTED AS NOT TO SHINE DIRECTLY ONTO NEIGHBORING PROPERTIES, OR PUBLIC RIGHT-OF-WAY, NOT MORE THAN 1 FOOTCANDLE MAY PROTRUDE MORE THAN 10 FEET ONTO ADJACENT RESIDENTIAL PROPERTY. CONTRACTOR TO FABRICATE AND INSTALL.
3. ILLUMINATION LEVELS SHOWN IN FOOTCANDLES.
4. THE ILLUMINATION LEVELS SHOWN ON THIS PLAN WERE CALCULATED WITH AG32 BY LIGHTING ANALYSTS VERSION 18.3 SOFTWARE. THE ACTUAL LIGHTING LEVELS SHALL BE VERIFIED IN THE FIELD AND FIXTURES ADJUSTED ACCORDINGLY TO ACHIEVE THE DESIRED LIGHT LEVELS.
5. ALL LIGHTING SHALL BE FULL CUT OFF - DARK SKY COMPLIANT PER TOWN REQUIREMENT. (CONTRACTOR TO COORDINATE W/ MAGNIFLOOD, INC. FOR APPROPRIATE FIXTURES PRIOR TO CONSTRUCTION)
6. A MINIMUM OF 1.0 FOOT-CANDLE AT 5 FEET ABOVE GRADE IS REQUIRED TO BE PROVIDED IN ALL UNOBSTRUCTED DIRECTIONS WITHIN 60 FEET OF THE AUTOMATED TELLER MACHINE FACILITY. A MINIMUM OF 2.0 FOOT-CANDLES AT GROUND LEVEL IS REQUIRED TO BE PROVIDED IN ALL UNOBSTRUCTED DIRECTIONS WITHIN 30 FEET OF THE AUTOMATED TELLER MACHINE FACILITY. (ILLUMINATION REQUIREMENT OF THE NYS ATM SAFETY ACT)

NUMERIC SUMMARY FOR PARKING LOT (EXCLUDING AREA BEHIND DRIVE-THRU CANOPY)						
AREA	CALC TYPE	UNITS	Avg	Max	Min	Avg/Min
REQUIRED IN PARKING LOT (SECT. 301 ATT.9-MEDIUM)	ILLUMINANCE	FC	2.40	-	0.60	4.00
PROVIDED IN PARKING LOT	ILLUMINANCE	FC	3.29	18.70	1.10	2.99
						17.00

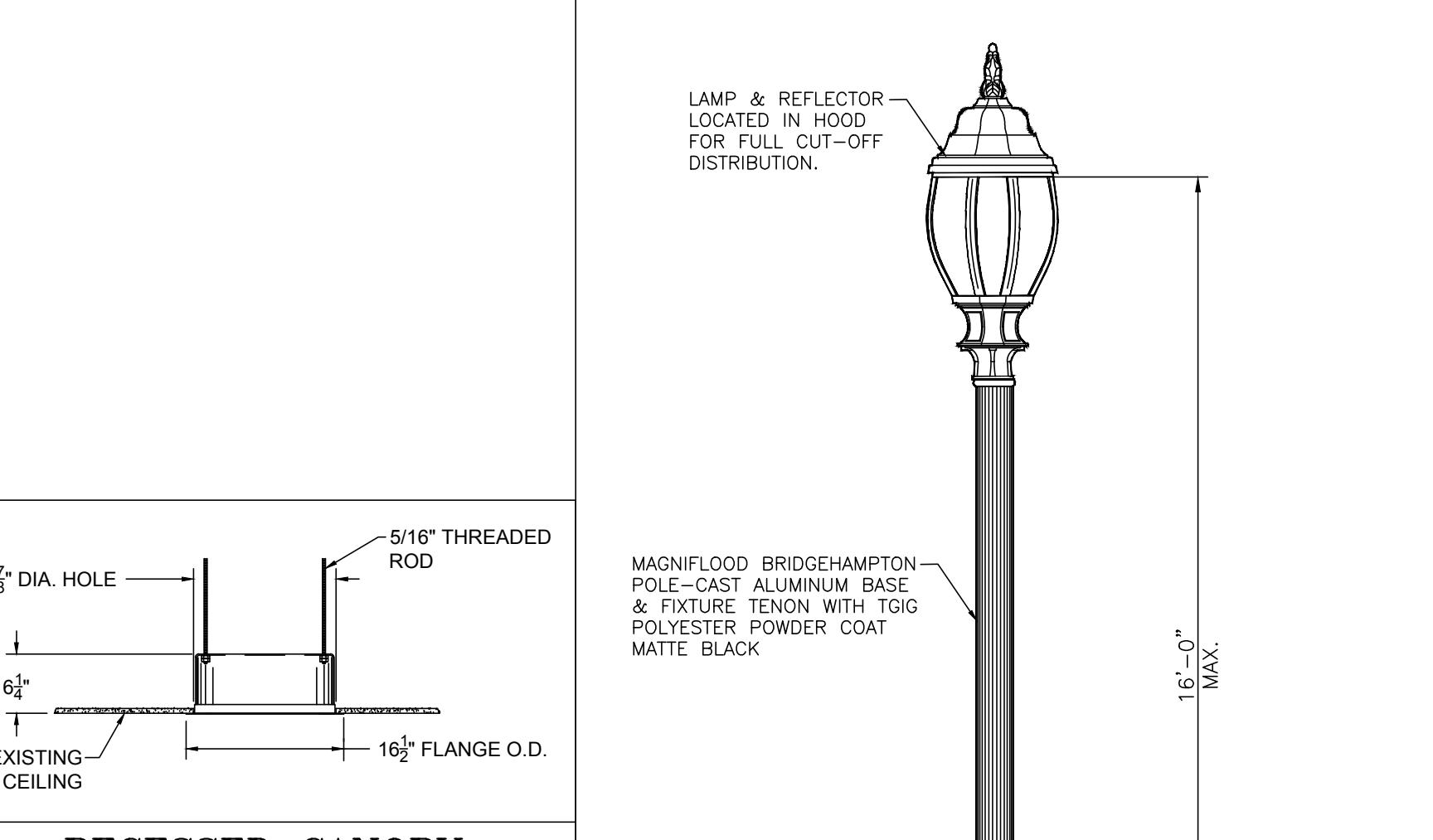
REVISIONS	
No	Date
1	12/3/09
	REVISED AS PER SCHS COMMENTS
2	11/18/15
	REV. PER TOWN PLANNING COMMENTS
3	9/2/17
	REV. PER DISTURBED AREA
4	3/18/18
	REV. LAYOUT & NYSDOT COMMENTS
5	11/19/18
	REV. PER NYSDOT COMMENTS
6	12/21/19
	TOWN OF RIVERHEAD SUBMISSION
7	2/1/23
	REV. SITE COVERAGE AREAS



NOT FOR CONSTRUCTION
NYS DOT CASE #: N/A
HEALTH DEP. REF. #: N/A

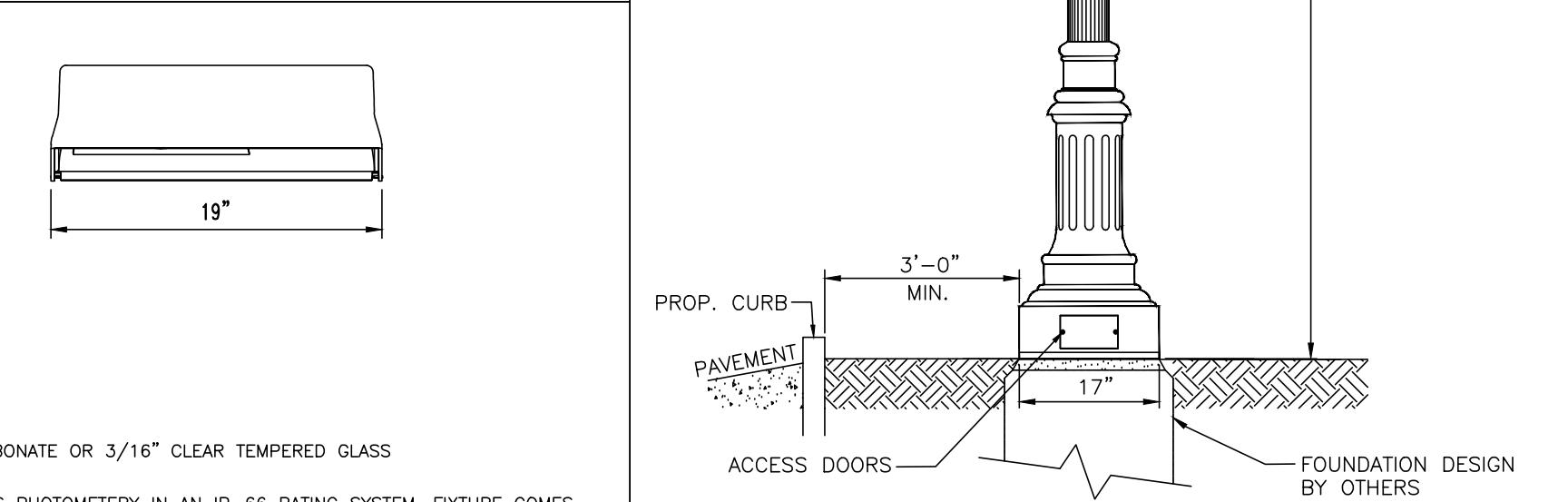
CLIENT/PROJECT: VENEZIA
SQUARE, LLC c/o
THE
NORTHWIND GROUP
PORT JEFFERSON-RIVERHEAD ROAD
(NYS ROUTE 25A)
WADING RIVER
TOWN OF RIVERHEAD
SUFFOLK COUNTY, NY 11792
TAX MAP #: 600-73-1-14, 116-1-19
TITLE:

LIGHTING PLAN
SHEET NO. C-12 OF 15
REV. 7
SUBMISSION SET



**RECESSED CANOPY
LIGHT DETAIL "1"**

N.T.S.

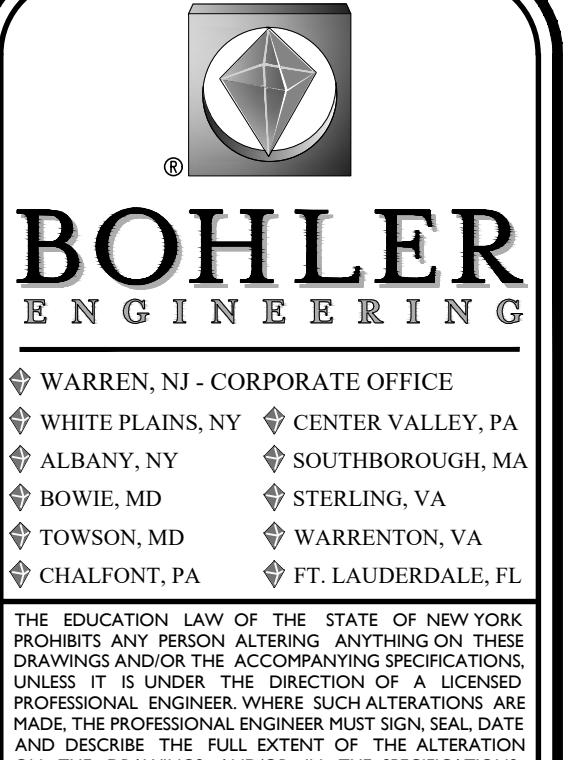


WALL MOUNTED LIGHT DETAIL "C"

N.T.S.

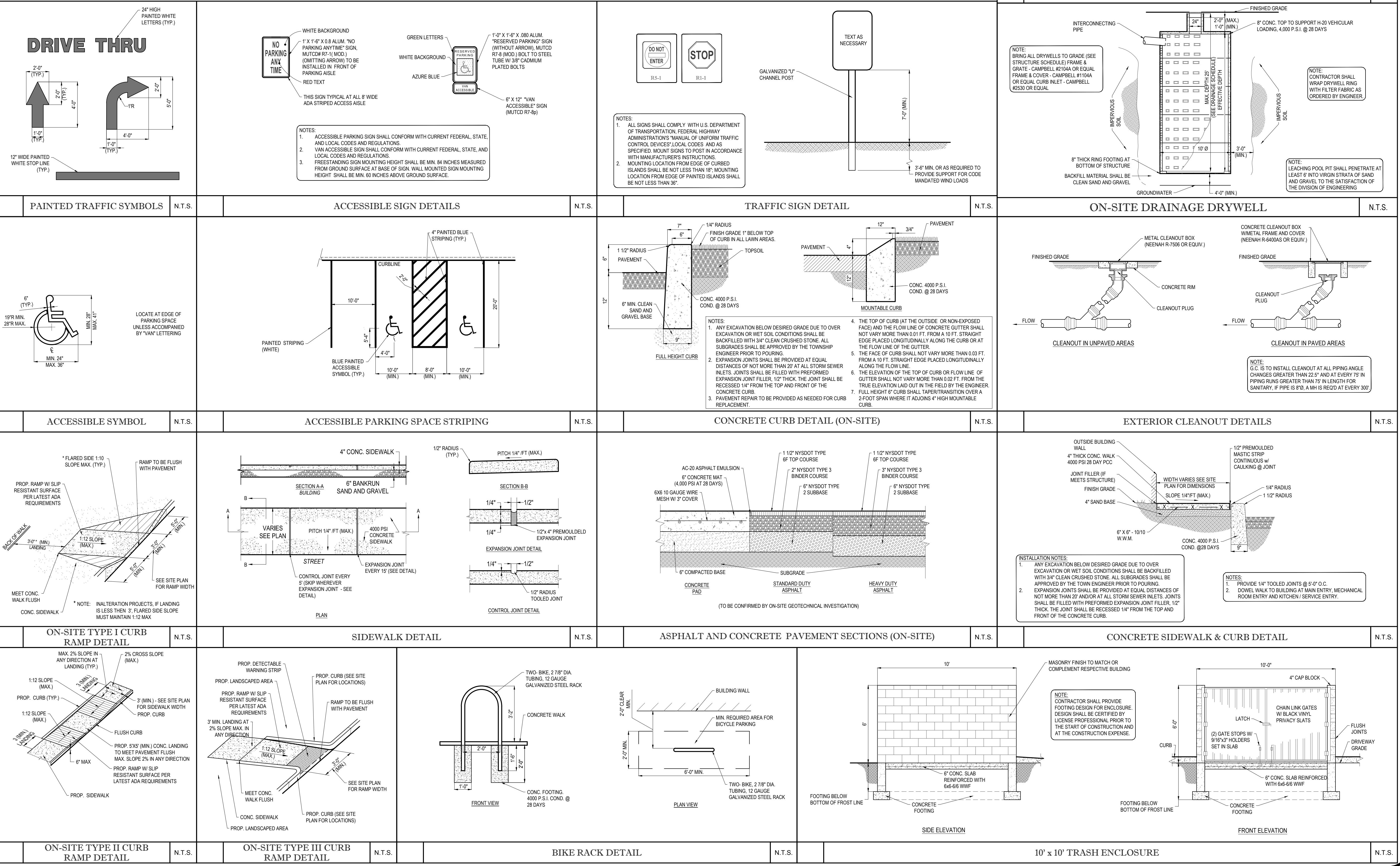
AREA LIGHT DETAIL "A & B"

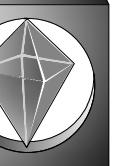
N.T.S.



THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS UNLESS THE SAME IS APPROVED BY THE PROFESSIONAL ENGINEER WHERE SUCH ALTERATIONS ARE MADE THE PROFESSIONAL ENGINEER MUST SIGN, SEAL DATE AND SIGNIFY IN THE EXACT WORDS THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS (NYS EDUCATION LAW SECTION 202-9)

APPROVALS





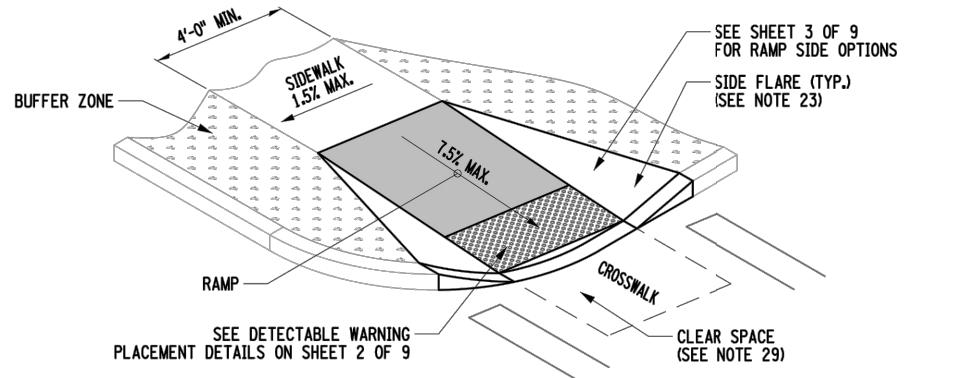
BOHLER
ENGINEERING

WHITE PLAINS, NY CENTER VALLEY, PA
ALBANY, NY SOUTHBOROUGH, MA
BOWIE, MD STERLING, VA
TOWSON, MD WARRENTON, VA
CHALFON, PA FT. LAUDERDALE, FL

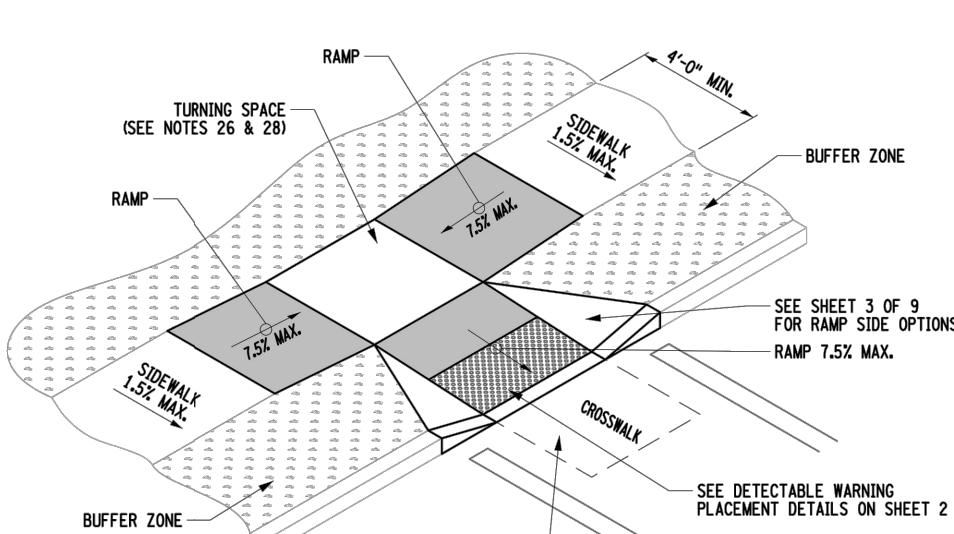
THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS UNLESS AUTHORIZED BY THE CONTRACTOR OR THE PROFESSIONAL ENGINEER WHERE SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER MUST SIGN, SEAL, DATE AND SIGN THE DRAWINGS AND/OR THE SPECIFICATIONS ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS (N.Y.S. EDUCATION LAW SECTION 209-2)

APPROVALS

CURB RAMP TYPE

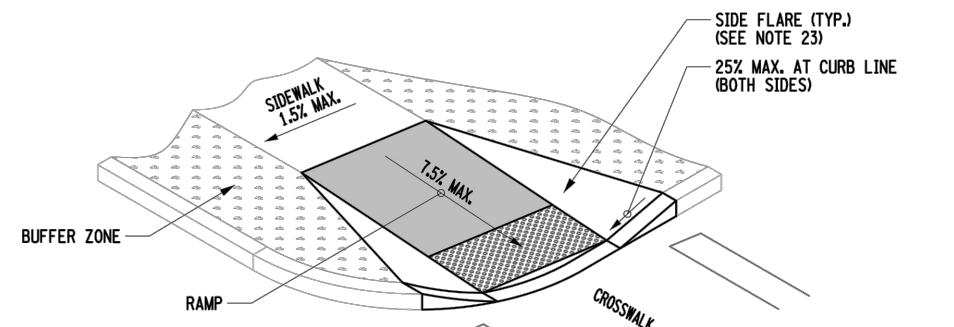


CURB RAMP CONFIGURATION: TYPE 1



CURB RAMP CONFIGURATION: TYPE 10
MID BLOCK CROSSING OR T INTERSECTION

CURB RAMP SIDE OPTIONS



OPTION A: FLARED CONCRETE

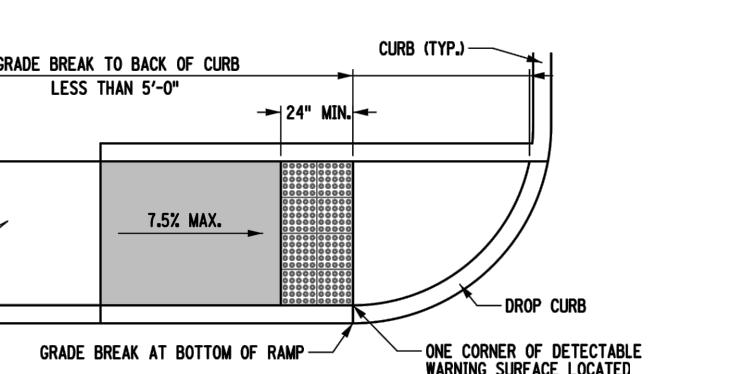
DESIGN ELEMENT TOLERANCES		
ELEMENT	DESIGN AND FIELD LAYOUT LIMIT	LIMIT FOR WORK ACCEPTANCE
SIDEWALK CROSS SLOPE - SEE NOTE 12	1.5% MAX.	2.0% MAX.
SIDEWALK GRADE (RUNNING SLOPE) - SEE NOTE 11	4.5% MAX.	5.0% MAX.
CURB RAMP GRADE (RUNNING SLOPE) - SEE NOTE 21	7.5% MAX.	8.3% MAX.
BLENDED TRANSITION GRADE (RUNNING SLOPE) - SEE NOTE 7	4.5% MAX.	5.0% MAX.

NOTES REFERENCED IN THE TABLE ABOVE CAN BE FOUND ON STANDARD SHEET 608-01 SHEET 1 OF 9.

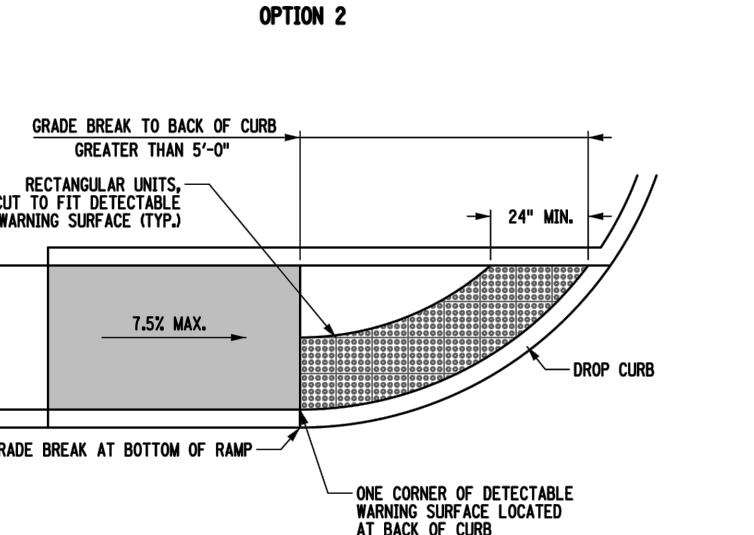
ALL VALUES SHOWN ON THE 608-03 STANDARD SHEETS REFER TO DESIGN AND FIELD LAYOUT LIMITS.

FOR ADDITIONAL REQUIREMENTS AND TOLERANCES, SEE "CRITICAL ELEMENTS FOR THE DESIGN, LAYOUT, AND CONSTRUCTION OF PEDESTRIAN FACILITIES" AVAILABLE ON THE NYSDOT HIGHWAY DESIGN MANUAL CHAPTER 18 WEBSITE.

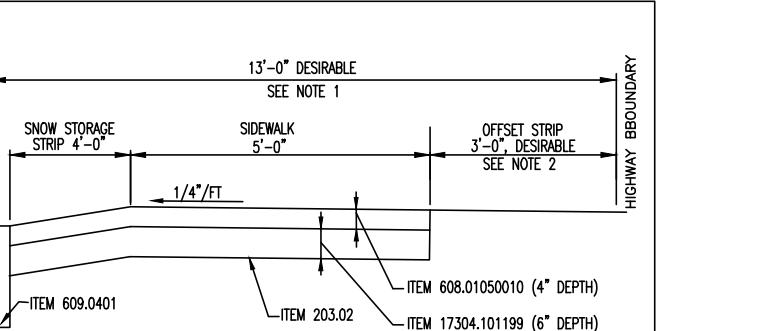
CURB RAMP DETECTABLE WARNING PLACEMENT OPTIONS



OPTION 2



OPTION 4



TYPICAL SIDEWALK SECTION

N.T.S.

ITEM 203.02
DESCRIPTION
UNDESIGNED EXCAVATION AND EMBANKMENT
608.0105010 CONCRETE SIDEWALK - UNDESIGNED (GRADING INCLUDED)
17304.01199 17304.01199 17304.01199
609.0401 609.0401 609.0401
CONCRETE TYPE V150
EMBEDDED DETECTABLE WARNING

NOTES
1. THE DISTANCE FROM THE FACE OF PROPOSED CURB TO THE HIGHWAY BOUNDARY SHALL BE 1' 0" MAX. THE CONTRACTOR SHALL CONTACT THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGIONAL DESIGN ENGINEER AT (613) 265-4554 TO CONFIRM THE MOST RECENT SPECIFICATIONS AND DETAILS ASSOCIATED WITH ASPHALT CONCRETE SIDEWALKS.

2. TACK COAT ITEM 407.0101 LISTED BELOW SHALL BE PLACED BETWEEN ALL ASPHALT LIFTS FOR THE LATEST NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.

3. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AUTHORITIES THAT THE INSTALLATION IS COMPLETE AND READY FOR FINAL INSPECTION AND THE INSTALLATION MUST BE APPROVED PRIOR TO FINAL PAYMENT.

4. ALL PAVEMENT MARKINGS AND LEGENDS SHALL BE IN THERMOPLASTIC.

5. ALL SIGNS, SIGNALS, AND PAVEMENT MARKINGS SHALL CONFORM TO THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

6. EXISTING TRAFFIC STRIPES AND PAVEMENT MARKINGS TO BE REMOVED AS ORDERED BY ENGINEER.

7. CONSTRUCTION QUANTITIES MAY BE ADJUSTED IN THE FIELD AS NECESSARY.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY MAINTAIN AND PROTECT TRAFFIC DURING CONSTRUCTION IN CONFORMANCE WITH THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. M.P.O.T. DEVICES SHALL NOT BE REMOVED OR ALTERED UNTIL ALL WORK IS COMPLETED INCLUDING INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNING.

9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NYSDOT REGIONAL TRAFFIC SIGNAL DETAIL SHEETS AND NY'S STANDARD SHEETS.

10. THE PERMITTEE WILL BE REQUIRED TO PROVIDE A MAINTENANCE AND PROTECTION OF TRAFFIC PLAN SHOWING HOW THE DETECTION WILL BE MAINTAINED DURING CONSTRUCTION.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE ALL SIGNAL INTERCONNECT CABLE, DETECTOR CABLE, CONDUIT AND ALL UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION.

12. PRIOR TO STARTING ANY WORK AT THIS LOCATION, THE CONTRACTOR SHALL NOTIFY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION THAT A TONE-OUT OF SIGNAL EQUIPMENT IS NEEDED.

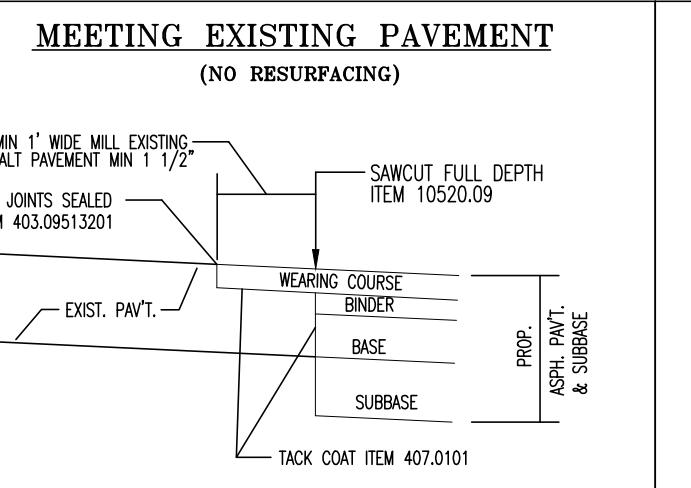
13. ALL TRAFFIC SIGNALS SHALL BE MAINTAINED IN A TRAFFIC RESPONSIVE OPERATION AND ALL INTERCONNECT WHERE EXISTING SHALL BE MAINTAINED. THE CONTRACTOR SHALL PAY A LIQUIDATOR DAMAGES CHARGE OF \$500.00 PER CALENDAR DAY IF ACTUATION AND COORDINATION IS NOT MAINTAINED.

14. ALL VEHICLE DETECTION AND SIGNAL COORDINATION MUST BE MAINTAINED AT ALL TIMES. SPLICING OF INDUCTION LOOP WIRE, SHIELDED LEAD-IN CABLE, AND INTERCONNECT CABLE SHALL BE ALLOWED FOR TEMPORARY REPAIR DURING CONSTRUCTION ONLY.

15. THE CONTRACTOR SHALL LOCATE ALL LOOPS IN THE CENTER OF THE TRAVEL LANES AND SPACED 10' APART UNLESS OTHERWISE INDICATED IN THE PLAN. THE LOOPS SHALL BE INSTALLED 2 FEET IN FRONT OF THE STOP LINE.

16. WHERE PAVEMENT IS RESURFACED, ALL INDUCTION LOOPS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF THE FINAL ASPHALT TOP COARSE.

17. THE CONTRACTOR SHALL CLEAN ALL DRAINAGE STRUCTURES IN THE VICINITY OF THE SITE AT THE COMPLETION OF ALL CONSTRUCTION RELATED WORK.



MEETING EXISTING PAVEMENT
(NO RESURFACING)

MIN 1' WIDE MILL EXISTING
ASPHALT PAVEMENT MIN 1/2"

COLD JOINTS SEALED
ITEM 403.0913201

SIDEWALK FULL DEPTH
ITEM 10520.09

WEARING COURSE
ITEM 10520.09

BASE
ITEM 10520.09

SUBBASE
ITEM 10520.09

PROPS
ASPH & SUBSE

TACK COAT ITEM 407.0101

SEE APPROPRIATE SEAL FOR
MEETING EXIST. PAV.

1/4" /FT. (SEE NOTE 2)

ITEM 17304.01199 (4" DEPTH)

