



TOWN PLAN AND ZONING COMMISSION

SECTION 4.11 FLOOD ZONE SPECIAL PERMIT

APPLICANT/OWNER: RICHARD JOHNSON TOWN OF GLASTONBURY 2155 MAIN STREET POST OFFICE BOX 6523 GLASTONBURY, CT 06033

FOR: MULTI-USE TRAIL BETWEEN HOUSE STREET & WESTERN BOULEVARD

PLAN DEPICTING PROPOSED MULTI-USE PATH PHASE II FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT L.O.T.C.I.P. PROJECT # L053-0002 WQC #201701393

MOVED, that the Town Plan and Zoning Commission approve the Application of the Town of Glastonbury for a Section 4.11 Flood Zone Special Permit - construction of 2,350± linear feet of paved multi-use path along Salmon Brook sewer easement between House Street and Western Boulevard - Flood Zone, Reserved Land & Planned Employment Zone, in accordance with the following plans:

\*PLAN AND PROFILE DEPICTING PROPOSED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT SCALE: AS SHOWN DRAWN BY: S.TROY 6-20-2018 CHECKED BY: S.M.B. 6-20-2018 APPROVED BY: D.A.P. 6-20-2018 ISSUED FOR PERMITTING 1-25-2017 REVISED FOR PERMITTING 6-19-2018 SHEET NO. 5 OF 24\*

\*PLAN AND PROFILE DEPICTING PROPOSED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT SCALE: AS SHOWN DRAWN BY: S.TROY 6-20-2018 CHECKED BY: S.M.B. 6-20-2018 APPROVED BY: D.A.P. 6-20-2018 ISSUED FOR PERMITTING 1-25-2017 REVISED FOR PERMITTING 6-19-2018 CT DEEP FISHERIES COMMENTS 10-10-2018 SHEET NO. 6 OF 24\*

\*PLAN AND PROFILE DEPICTING PROPOSED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT SCALE: AS SHOWN DRAWN BY: S.TROY 6-20-2018 CHECKED BY: S.M.B. 6-20-2018 APPROVED BY: D.A.P. 6-20-2018 ISSUED FOR PERMITTING 1-25-2017 REVISED FOR BOARDWALK CONCEPT 10-16-2017 REVISED FOR PERMITTING 6-19-2018 CT DEEP FISHERIES COMMENTS 10-10-2018 SHEET NO. 7 OF 24\*

\*PLAN AND PROFILE DEPICTING PROPOSED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT SCALE: AS SHOWN DRAWN BY: S.TROY 6-20-2018 CHECKED BY: S.M.B. 6-20-2018 APPROVED BY: D.A.P. 6-20-2018 ISSUED FOR PERMITTING 1-25-2017 REVISED FOR BOARDWALK CONCEPT 10-16-2017 REVISED FOR PERMITTING 6-19-2018 CT DEEP FISHERIES COMMENTS 10-10-2018 SHEET NO. 8 OF 24\*

\*PLAN AND PROFILE DEPICTING PROPOSED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT SCALE: AS SHOWN DRAWN BY: S.TROY 6-20-2018 CHECKED BY: S.M.B. 6-20-2018 APPROVED BY: D.A.P. 6-20-2018 ISSUED FOR PERMITTING 1-25-2017 REVISED FOR BOARDWALK CONCEPT 10-16-2017 REVISED FOR PERMITTING 6-19-2018 SHEET NO. 9 OF 24\*

Page 1 of 2

REVISOR FOR BOARDWALK CONCEPT 10-16-2017 REVISED FOR PERMITTING 6-19-2018 SHEET NO. 9 OF 24\*

- 1. And Compliance with: a. The standards contained in a report from the Fire Marshal, File 19-004, plans reviewed 2-12-19. b. The conditions set forth by the Conservation Commission / Inland Wetlands and Watercourses Agency, in their recommendation for approval to the Town Plan and Zoning Commission and in the Wetlands Permit issued at their Regular Meeting of January 24, 2019. 2. Adherence to: a. The Health Director's Memorandum dated February 12, 2019. b. The Police Department's memorandum dated February 13, 2019. 3. Upon completion of the project, the applicant shall provide certification to the Office of Community Development from a licensed professional engineer that the project will not have adverse impacts on the flood carrying capacity of the area within the Flood Zone as described in Section 4.11.4.b of the Building-Zone Regulations.

APPROVED: TOWN PLAN & ZONING COMMISSION FEBRUARY 19, 2019

SHARON H. PURTILL, CHAIRMAN

RICHARD J. JOHNSON TOWN MANAGER

DANIEL A. PENNINGTON TOWN ENGINEER/MANAGER OF PHYSICAL SERVICES

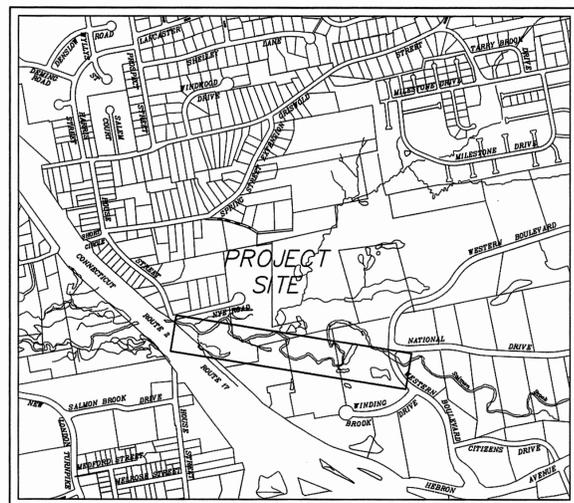


TABLE OF CONTENTS

- COVER SHEET
NOTES AND DETAILS
TYPICAL SECTIONS
PLAN AND PROFILES
CROSS SECTIONS
STREAMBANK STABILIZATION
LANDSCAPING AND EROSION CONTROLS
BORING LOGS
BOARDWALK CONCEPT PLANS
CT DOT STANDARD DETAILS

- SHEET 1
SHEET 2-3
SHEET 4
SHEET 5-9
SHEET 10-14
SHEET 15-18
SHEET 19-20
SHEET 21-22
SHEET 23-24
SHEET 25-28

NOTES:

- 1. PROJECT AREA IS ZONED FLOOD ZONE, RESERVED LAND, AND PLANNED EMPLOYMENT.
2. PROPOSAL IS FOR CONSTRUCTION OF A MULTI-USE PATH WITH PARKING.
3. OWNER: TOWN OF GLASTONBURY. ALL FUTURE MAINTENANCE AFTER CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE TOWN.
4. HORIZONTAL COORDINATES ON THIS PROJECT ARE BASED ON NAD83 STATE PLANE.
5. VERTICAL ELEVATIONS ON THIS PROJECT ARE BASED ON NAVD88 DATUM.
6. TOPOGRAPHY DEPICTED ON THESE PLANS IS FROM A GROUND SURVEY PERFORMED IN MARCH 2016.
7. PARCEL IS SUBJECT TO WETLANDS AND UPLAND REVIEW.
8. PARCEL IS LOCATED WITHIN A FLOOD HAZARD AREA.
9. GOVERNING SPECIFICATIONS ARE THE CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES, AND INCIDENTAL CONSTRUCTION, FORM 817 WITH SUPPLEMENTS THERETO DATED JULY, 2018.



Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

APPROVED WETLANDS PERMIT MOTION

MOVED, that the Inland Wetlands and Watercourses Agency issues an inland wetlands and watercourses permit to the Town of Glastonbury for the construction, use and maintenance of a multi-use trail located generally within a sanitary sewer easement corridor just south of Salmon Brook between House Street and Western Boulevard, in accordance with plans on file in the Office of Community Development, and in compliance with the following conditions:

- 1. Prior to construction all remaining affected landowners that did not provide the Town with their written consent and/or easement documents shall be required.
2. Trail construction shall be scheduled for and occur within seasonal time periods where subsurface groundwater levels are expected to be lower and stream flows and/or flooding are statistically less likely; establishment of the project's associated mitigation measures are exempt from the immediately preceding condition of seasonal constraints.
3. Installation of soil erosion and sedimentation control and stabilization measures shall be the Permittee's responsibility. Once installed these measures shall then be inspected by the Environmental Planner prior to land disturbance activities. Afterwards it then shall be the Permittee's responsibility to inspect these control measures during, and immediately following, substantial storm events and maintain and/or replace the control measures, when needed, on a regular basis until the site is vegetatively stabilized. Hay bales shall be replaced every 60 days. The Environmental Planner is hereby authorized to require additional soil erosion and sediment controls and stabilization measures to address situations that arise on the site.
4. The Permittee shall be fully responsible for damages caused by all activities undertaken pursuant to this permit that may have a detrimental effect on wetlands and/or watercourses, and all such activities that cause erosion and sedimentation problems.
5. The mitigation measure developed for the Army Corps of Engineers General Permit, said measure partially protecting the environmentally sensitive abutting town land to the north with a conservation easement, shall be expanded to encompass all of the land east of the tributary watercourse in order to compensate for the wetland impacts of the project.
6. The Town Engineer shall provide the Town Environmental Planner with any proposed signage recommendations in advance of sign fabrication and installation.

APPROVED RECOMMENDATION TO THE TOWN PLAN & ZONING COMMISSION

MOVED, that the Conservation Commission recommends to the Town Plan & Zoning Commission approval of a Section 4.11 (Flood Zone) Special Permit concerning the Town of Glastonbury's proposed multi-use trail located on the southerly side of Salmon Brook between House Street and Western Boulevard, in accordance with plans on file in the Office of Community Development, and in compliance with the following conditions:

- 1. Trail construction shall be scheduled for and occur within seasonal time periods where subsurface groundwater levels are expected to be lower and stream flows and/or flooding are statistically less likely; establishment of the project's associated mitigation measures are exempt from the immediately preceding condition of seasonal constraints.
2. A professional engineer or a licensed land surveyor shall certify after completion of the project that it resulted in: no incremental fill within the flood zone; and/or no loss of available flood storage capacity.

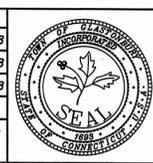
REFERENCE MADE TO THE FOLLOWING MAP ENTITLED:

- 1. "SUBDIVISION PLAN PREPARED FOR GLASTONBURY SCIENCE PARK GLASTONBURY, CONN.", REINO E. HYPPA & ASSOCIATES CIVIL ENGINEERS & LAND SURVEYORS GLASTONBURY, CONN., SCALE 1"=40', DATE 6-1-84, MAP NO. 208-83-1, SHEET 1 OF 2 SHEETS, REV. 7-10-84 DRAINAGE EASEMENT ADDED, REV. 10-1-84 MODIFICATIONS PER APPROVAL. MAP IS ON FILE IN THE GLASTONBURY LAND RECORDS AS MAP NUMBER 4170A.
2. "RESUBDIVISION OF LOTS 3 AND 4 AND OTHER LAND OF GLASTONBURY PARK ASSOCIATES INTO NEW LOTS 3, 4 AND 5 GLASTONBURY, CT SHEET 2 OF 2", LUCHS & BECKERMAN CIVIL ENGINEERS - PLANNERS - LAND SURVEYORS GLASTONBURY, CONN., A-83-104-S-2, SCALE 1"=40', DATE 11-18-83, REV. 1-4-84: AREA OF LOT NO. 5 INCREASED, REV. 7-10-84: R.O.W.'S IN FAVOR OF LOT 4 SHOWN, REV. 12/20/84 - CONSERVATION EASEMENT ADDED. MAP IS ON FILE IN THE GLASTONBURY LAND RECORDS AS MAP NUMBER 4235.
3. TOPOGRAPHIC MAP HOUSE STREET ~ POOL SITE GLASTONBURY, CONN., JOHN J. MOZZOCHI & ASSOCIATES CIVIL ENGINEERS GLASTONBURY, CONN., A-83-78, SCALE 1"=40', DATE 12-8-84, REV. 5-3-85 B'D.Y. INFO ADDED. MAP IS ON FILE IN THE GLASTONBURY LAND RECORDS AS MAP NUMBER 1993A.
4. "MAP PREPARED FOR SILVER SALMON ASSOC. LIMITED PARTNERSHIP GLASTONBURY, CT.", LUCHS & BECKERMAN CIVIL ENGINEERS - PLANNERS - LAND SURVEYORS GLASTONBURY, CONN., A-86-20-AB, SCALE 1"=40', DATE 6/4/87. MAP IS ON FILE IN THE GLASTONBURY LAND RECORDS AS MAP NUMBER 4643.
5. "MAP PREPARED FOR CONNECTICUT COMMERCIAL LAND CORP. GLASTONBURY, CT.", LUCHS & BECKERMAN CIVIL ENGINEERS - PLANNERS - LAND SURVEYORS GLASTONBURY, CONN., A-91-27, SCALE 1"=40', DATE 6-21-91, REV. 9-13-91 ~ CERTIFICATION, REV. 10-7-91 ~ EASEMENTS, REV. 10-23-91 ~ EASEMENTS. MAP IS ON FILE IN THE GLASTONBURY LAND RECORDS AS MAP NUMBER 5336.

NOTE:

THE CONTRACTOR SHALL NOTIFY THE TOWN OF GLASTONBURY ENGINEERING DIVISION 24 HOURS PRIOR TO BEGINNING ANY STORM DRAINAGE, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, STREETLINE MONUMENTATION, PROPERTY CORNER PINS, ETC TO SCHEDULE INSPECTIONS! THE DIVISION CAN BE REACHED BETWEEN 8:00-4:30 M-F @ 652-7735

Table with columns: DRAWING ISSUE STATUS, SCALE: AS SHOWN, DATE. Rows include ISSUED FOR CONSTRUCTION, CT DEEP FISHERIES COMMENTS, REVISED FOR PERMITTING, ISSUED FOR PERMITTING.



PROPOSED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT SHEET NO. 1 OF 24

FILE: H:\DING\Streets\Western Blvd\PH-101 Multi Use Path\Western to House Street - Boardwalk - 8/28/2019

**PROJECT NARRATIVE:**  
 THIS PROJECT INCLUDES THE CONSTRUCTION OF APPROXIMATELY 2,300 LINEAR FEET OF PAVED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD ALONG AN EXISTING TOWN SANITARY SEWER EASEMENT. ALSO INCLUDED IN THE PROJECT IS A PAVED PARKING LOT FOR 10 VEHICLES AT THE HOUSE STREET END OF THE PATH AND A 165 FOOT-LONG PRECAST CONCRETE BOARDWALK. THE PROJECT AREA IS PRIMARILY WITHIN WETLANDS AND FLOOD ZONE AREAS ASSOCIATED WITH SALMON BROOK. AND SPECIFIC REQUIREMENTS RELATED TO WORK WITHIN THESE AREAS ARE DESCRIBED IN THE FOLLOWING PARAGRAPHS. THE TOTAL DISTURBED AREA FOR THIS PROJECT IS APPROXIMATELY 1.8 ACRES, WHICH INCLUDES BOTH UPLAND AND TEMPORARILY DISTURBED AREAS.

FOR CONSTRUCTION PURPOSES, THE PROPOSED WIDTH OF THE MULTI-USE PATH IS NOT INTENDED TO ACCOMMODATE TWO-WAY CONSTRUCTION TRAFFIC. AS SUCH, CONSTRUCTION VEHICLES WILL BE REQUIRED TO MAKE LONG BACKING MANEUVERS TO REACH SOME AREAS OF THE PATH.

**CONSTRUCTION SEQUENCE:**  
 1. INSTALL STONE CONSTRUCTION ENTRANCES AT HOUSE STREET AND WESTERN BOULEVARD AS SHOWN ON THE PLANS. NOTE THAT NO CONSTRUCTION ACCESS SHALL BE ALLOWED BETWEEN STATIONS 17+10 AND 18+75 EXCEPT AS REQUIRED FOR BOARDWALK CONSTRUCTION. AS SUCH, ACCESS TO PATH AREAS BETWEEN STATION 18+75 AND WESTERN BOULEVARD SHALL BE FROM THE WESTERN BOULEVARD END OF THE PROJECT ONLY. ACCESS TO AREAS WEST OF STATION 17+10 SHALL BE FROM THE HOUSE STREET END OF THE PROJECT.

2. STAKE LIMITS OF SILT FENCE / CLEARING LIMITS FOR THE PROJECT. FLAG TREES ALONG PERIMETER FOR PROTECTION IN CONSULTATION WITH TOWN STAFF. FLAG TREES WITHIN CLEARING LIMITS FOR USE AS ROADWAYS FOR STREAM BANK STABILIZATION WORK. HARVEST THESE TREES SEPARATELY (RETAIN 15' LONG TRUNK WITH ROOTWAD ATTACHED) AND STOCKPILE THEM IN THE STAGING AREA AT HOUSE STREET.

3. INSTALL PERIMETER EROSION CONTROLS THROUGHOUT ENTIRE PROJECT LIMITS, INCLUDING SILT SACKS IN ADJACENT CATCH BASINS IN HOUSE STREET AND WESTERN BOULEVARD. INSTALL SILT FENCE PERIMETER AT THE STAGING AREA FOR CONSTRUCTION EQUIPMENT PARKING AT THE END OF EACH WORK DAY TO PREVENT REPTILES FROM ACCESSING THE EQUIPMENT STORAGE AREA.

4. EXCAVATE PARKING LOT AREA TO SUBGRADE ELEVATION AND INSTALL SUBBASE IN PARKING LOT FOR USE AS STAGING AREA. WATER QUALITY SWALE FOR PARKING LOT TO BE CONSTRUCTED AS PART OF TASK 7 TO MAXIMIZE STAGING AREA DURING EARLY WORK PHASE OF CONSTRUCTION.

5. PERFORM CLEARING AND GRUBBING FOR REMAINING TREES WITHIN PROJECT LIMITS.

6. INSTALL UNDERDRAINS WITH OUTLETS WHERE SHOWN ON PLANS TO HELP DEWATER SUBSOILS PRIOR TO PERFORMING PATH EXCAVATION. PERFORM EARTHWORK AND DRAINAGE IMPROVEMENTS FOR THE WESTERN SECTION OF PATH PROCEEDING FROM THE HOUSE STREET STAGING AREA EASTWARD TO THE BOARDWALK AT STATION 17+10. STRIP TOPSOIL AND BOULDER PATH TO EXPOSE SUBGRADE. FORM EMBANKMENTS ON BOTH SIDES OF PATH WITH BORROW. DISPOSE OF EXCESS EXCAVATED MATERIAL AT THE TOWN BULKY WASTE FACILITY OR ANOTHER SUITABLE DISPOSAL SITE APPROVED BY THE TOWN. STOCKPILE EXCAVATED WETLAND TOPSOIL IN STAGING AREA FOR RE-USE IN WATER QUALITY SWALES. OTHER TOPSOIL MAY BE STOCKPILED IN THE STAGING AREA AS SPACE PERMITS OR DISPOSED OF OFF-SITE. FORM SUBGRADE. INSTALL SUBBASE AND UNDERDRAINS AS WORK PROCEEDS EASTWARD FROM HOUSE STREET TO THE PROPOSED BOARDWALK AT STATION 17+10. INSTALL TEMPORARY CHECK DAMS AT EACH CULVERT OUTLET LOCATION PRIOR TO BEGINNING CULVERT CONSTRUCTION. INSTALL CULVERTS, OUTLET PROTECTION, AND DISCHARGE SWALES AS SHOWN ON THE PLANS PRIOR TO CONTINUING EASTWARD PAST THE CULVERT LOCATION WITH ADDITIONAL FORMATION OF SUBGRADE AND SUBBASE INSTALLATION WORK. PROVIDE MINIMUM 12" COVER OVER EACH CULVERT TO PROTECT PIPES FROM CONSTRUCTION EQUIPMENT LOADS UNTIL REMAINDER OF PAVEMENT SECTION IS INSTALLED. INSTALL HAYBALE CHECK DAMS AT CULVERT INLETS AND WITHIN SWALES AS SHOWN ON THE PLANS UPON COMPLETION OF EACH CULVERT AND SWALE INSTALLATION.

7. CONSTRUCT WATER QUALITY SWALE AT PARKING LOT. TOPSOIL AND SEED ALL WATER QUALITY SWALES TO ESTABLISH VEGETATION WELL IN ADVANCE OF INSTALLATION OF PROCESS STONE BASE AND PAVEMENT. USE EXCAVATED WETLAND TOPSOIL ON THE BOTTOM OF EACH WATER QUALITY SWALE.

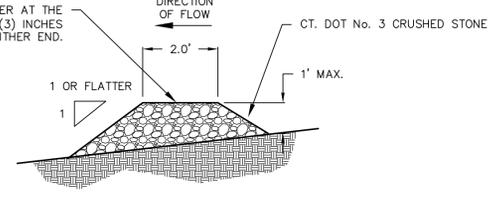
8. PERFORM EARTHWORK AND DRAINAGE IMPROVEMENTS FOR THE EASTERN SECTION OF THE PATH, STARTING FROM WESTERN BOULEVARD AND PROCEEDING WESTWARD TO THE PROPOSED BOARDWALK AT STATION 18+75. FOLLOW SEQUENCE OF CONSTRUCTION AS OUTLINED IN TASK 6.

9. CONSTRUCT BOARDWALK BETWEEN STATION 17+10 AND 18+75 ACCESSING THIS AREA FROM THE WESTERN BOULEVARD END OF THE PROJECT.

10. AFTER COMPLETING INSTALLATION OF SUBBASE, UNDERDRAINS, CULVERTS, AND OUTLET PROTECTION THROUGHOUT PROJECT LIMITS, PERFORM STREAM BANK STABILIZATION WORK AT 4 AREAS SHOWN. CT DEEP FISHERIES SHALL BE CONTACTED TWO WEEKS PRIOR TO INITIATING WORK WITHIN THE CHANNEL TO REVIEW PERMIT CONDITIONS AND FINALIZE THE LAYOUT OF BOULDERS AND ROOTWADS IN EACH STABILIZATION AREA. WORK WITHIN THE CHANNEL SHALL BE PERFORMED DURING LOW-FLOW CHANNEL CONDITIONS AND WITHIN THE ALLOWABLE TIME PERIODS STIPULATED IN THE VARIOUS ENVIRONMENTAL PERMITS INCLUDED IN THE PROJECT SPECIFICATIONS.

11. INSTALL PROCESSED STONE BASE COURSE THROUGHOUT PROJECT LIMITS. PAVE BINDER AND SURFACE COURSE THROUGHOUT PROJECT LIMITS. INSTALL ALL SIGNS AND PAVEMENT MARKINGS.

12. COMPLETE INVASIVE SPECIES REMOVAL WITHIN DESIGNATED AREAS. TOPSOIL AND SEED ALL DISTURBED AREAS. INSTALL WETLAND PLANTINGS WITHIN AREAS SHOWN ON THE PLANS.



- NOTES:
1. THE BARRIER SHALL BE CONSTRUCTED SO WATER CANNOT PASS AROUND THE ENDS.
  2. REPAIR OR REPLACE PROMPTLY AS NEEDED.
  3. THE BARRIER SHALL BE COMPLETELY REMOVED WHEN IT HAS SERVED ITS USEFULNESS UNLESS OTHERWISE NOTED.

**STONE CHECK DAM DETAIL**  
 NOT TO SCALE

Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

**PROJECT SPECIFIC SEDIMENTATION AND EROSION CONTROL PLAN**  
 CONSTRUCTION ACTIVITIES OF CONCERN RELATIVE TO THE PROTECTION OF ADJACENT WETLANDS AND WATERCOURSES FROM SEDIMENTATION ARE AS FOLLOWS:

1. TRAVEL AREAS: A STONE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SHOWN ON THE PLANS AS REQUIRED TO PREVENT SOIL FROM BEING TRACKED OUT OF THE CONSTRUCTION SITE AND INTO THE ROAD. THIS CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL ALL DISTURBED AREAS OF THE PROJECT HAVE BEEN RESTORED.

2. DEWATERING: OPEN TRENCH EXCAVATIONS WILL NEED TO BE DEWATERED AS NECESSARY FOR PROPER INSTALLATION OF THE PROPOSED PIPES. IN THESE AREAS, ALL WATER REMOVED FROM THE TRENCH SHALL BE ADEQUATELY TREATED PRIOR TO DISCHARGE USING MEASURES DESCRIBED IN SECTION 5-13 OF THE 2002 CT GUIDELINES FOR EROSION AND SEDIMENT CONTROL. THIS MAY INCLUDE A STONE SUMP AND STANDPIPE FOR PUMP INTAKE PROTECTION, AND A DIRT BAG OR PUMPING SETTLING BASIN FOR TREATMENT OF THE PUMPED WATER PRIOR TO DISCHARGE.

3. STOCKPILING: EXCAVATED MATERIAL SHALL NOT BE STOCKPILED WITHIN WETLAND OR FLOOD ZONE AREAS OR ADJACENT TO STORM DRAIN INLETS. WHEN IT IS NECESSARY BASED ON THE PROPOSED METHODS OF CONSTRUCTION TO STAGE EXCAVATED MATERIAL FOR SHORT DURATIONS IN FLOOD ZONE OR WETLAND AREAS, THESE MATERIALS SHALL BE ADEQUATELY PROTECTED AS DIRECTED BY THE ENGINEER, AND A PLAN SHALL BE IN PLACE TO REMOVE THE MATERIAL PRIOR TO THE NEXT FORECASTED SEVERE WEATHER EVENT. LONGER DURATION STOCKPILING OF MATERIAL, WHEN NECESSARY, SHALL BE ONLY IN THE APPROVED STAGING AREA SHOWN ON THE PLANS, AND SUCH STOCKPILES SHALL BE RINGED WITH A SEDIMENTATION CONTROL SYSTEM.

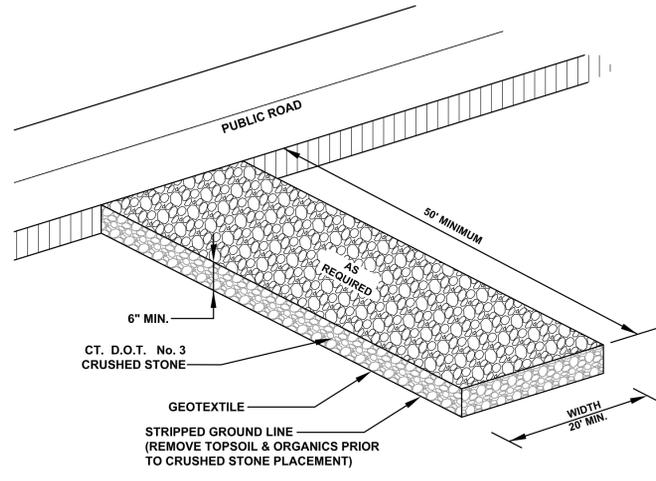
4. DISTURBED AREAS: LIMITS OF DISTURBANCE SHALL BE IN STRICT ACCORDANCE WITH THE APPROVED PLAN. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH THE FINAL SURFACE TREATMENT AS SOON AS POSSIBLE AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED. DISTURBED AREAS WITH STEEP OR LONG SLOPES AND OTHER AREAS WITH SIGNIFICANT POTENTIAL FOR CAUSING SEDIMENTATION SHALL BE PROTECTED WITH TEMPORARY STRAW MULCH, WOOD CHIPS, EROSION CONTROL MATTING, OR OTHER SUITABLE MATERIALS PRIOR TO SIGNIFICANT FORECASTED RAIN STORM EVENTS TO REDUCE EROSION POTENTIAL.

5. DRAINAGE WAYS: CONSTRUCTION OF DITCHES, CHANNELS, THAT ACTIVELY CONVEY FLOW SHALL BE PERFORMED SUCH THAT THE PORTION OF DRAINAGE WAY DISTURBED DURING A GIVEN DAY IS COMPLETED WITH THE PERMANENT LINING BY DAYS END, OR OTHERWISE AS NECESSARY TO PROVIDE FOR TEMPORARY BYPASS OF STORMWATER AND ENSURE THAT DOWNSTREAM WETLAND AREAS ARE PROTECTED FROM SEDIMENTATION AND EROSION OF THE CHANNEL.

6. CULVERTS CONVEYING WATERCOURSES: CULVERTS CONVEYING WATERCOURSES SHALL BE CONSTRUCTED IN SUCH A MANNER AS TO PROVIDE A TEMPORARY BYPASS OF THE WORK AREA THROUGH A TEMPORARY PIPE OR OTHER MEANS APPROVED BY THE ENGINEER AT THE END OF EACH WORK DAY AS REQUIRED TO CONVEY STORMWATER THROUGH THE WORK AREA AND ENSURE THAT DOWNSTREAM WETLAND AREAS ARE PROTECTED FROM SEDIMENTATION AND EROSION.

7. SEVERE WEATHER CONTINGENCY PLAN: IN ADVANCE OF A SEVERE WEATHER EVENT, ALL EROSION CONTROLS DESCRIBED ABOVE AND ELSEWHERE ON THE PLANS SHALL BE INSPECTED AND ADJUSTED AS NECESSARY. THE MAJORITY OF THE WORK AREA FOR THIS PROJECT IS BELOW THE 100 YEAR FLOOD ELEVATION FOR SALMON BROOK. CONTRACTOR SHALL MONITOR WEATHER FORECASTS AND FLOOD WARNINGS AND ADJUST OPERATIONS ACCORDINGLY. ALL EQUIPMENT AND STOCKPILED MATERIALS SHALL BE REMOVED FROM THE FLOOD ZONE PRIOR TO AN ANTICIPATED FLOOD EVENT AS PROJECTED FLOOD ELEVATIONS REQUIRE. WORK AREAS SHALL BE STABILIZED AS REQUIRED TO PROVIDE A STABLE OVERFLOW PATH FOR FLOOD WATER THROUGH OR AROUND THE WORK AREA.

**RESPONSIBLE PARTIES:**  
 THE CONTRACTOR SHALL PROVIDE A REPRESENTATIVE WHO IS RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENTATION CONTROL PLAN. THIS INCLUDES THE INSTALLATION AND MAINTENANCE OF ALL CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN.



**CONSTRUCTION ENTRANCE**  
 NOT TO SCALE

**GENERAL SEDIMENTATION AND EROSION CONTROL REQUIREMENTS:**

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

IN GENERAL, ALL ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, INsofar AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATERBODIES, AND TO PREVENT, INsofar AS POSSIBLE, EROSION ON THE SITE.

CONSTRUCTION METHODS, IN GENERAL, SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002) BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.

1. ALL CONTROL MEASURES SHALL BE INSTALLED AS NOTED ABOVE AND AS SHOWN ON THE PLANS.
2. ALL CONTROL MEASURES SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK, INCLUDING PRE-CONSTRUCTION CLEARING AND GRUBBING.
3. ALL CONTROL MEASURES SHALL BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL DISTURBED AREAS HAVE BEEN THOROUGHLY STABILIZED.
4. NO CONTROL MEASURES SHALL BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER.
5. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF DEEMED NECESSARY BY THE ENGINEER.
6. THE LIMITS OF CLEARING, GRADING AND DISTURBANCE, AS SHOWN ON THE PLAN(S), SHALL BE KEPT TO A MINIMUM WITHIN THE APPROVED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE THE LIMITS OF CLEARING SHALL REMAIN TOTALLY UNDISTURBED.
7. ANY CONTROL MEASURES RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT IMMEDIATELY REMOVED, AND ALL DAMAGED CONTROL MEASURES SHALL BE REMOVED AND REPLACED.
8. ALL NEW AND EXISTING CATCH BASINS LOCATED WITHIN THE PROJECT LIMITS SHALL BE PROTECTED WITH A SEDIMENTATION CONTROL SYSTEM IN GRASSSED AREAS OR WITH A SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN IN PAVED AREAS UNTIL ALL DISTURBED AREAS HAVE BEEN THOROUGHLY STABILIZED.
9. SEDIMENT REMOVED FROM CONTROL MEASURES AND DRAINAGE FACILITIES SHALL BE DISPOSED OF IN A MANNER THAT IS CONSISTENT WITH STATE AND LOCAL REGULATIONS.
10. THE PLANTING SEASONS FOR THE SPECIFIED SEED MIXTURE SHALL BE AS DEFINED IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, UNLESS DIRECTED OTHERWISE BY THE TOWN ENVIRONMENTAL PLANNER. OUTSIDE OF THESE SPECIFIED DATES, AREAS WILL BE STABILIZED WITH HAYBALE CHECK DAMS, FILTER FABRIC, OR WOODCHIP MULCH AS REQUIRED TO CONTROL EROSION.

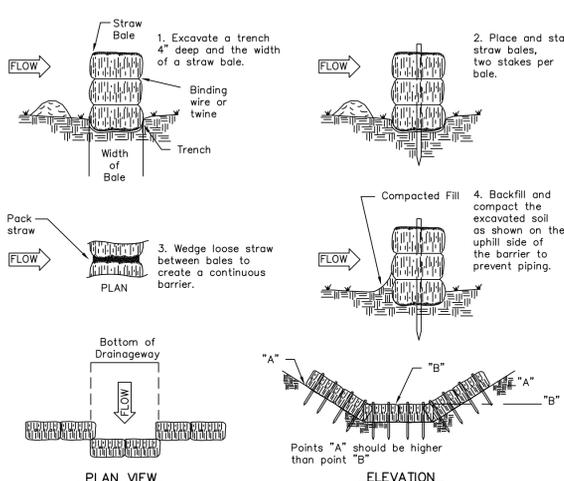
**POST CONSTRUCTION MAINTENANCE PLAN FOR STORMWATER FACILITIES**

GENERAL: THE PROPOSED DRAINAGE SYSTEM TO BE INSTALLED AS PART OF THIS PROJECT INCLUDES CROSS CULVERTS AND WATER QUALITY SWALES WHICH WILL REQUIRE ROUTINE MAINTENANCE IN ORDER TO MAINTAIN PROPER FUNCTION. THE TOWN OF GLASTONBURY PARKS DEPARTMENT WILL BE RESPONSIBLE FOR MOWING AND MAINTENANCE OF VEGETATION FOR THE MULTI-USE TRAIL AND THE PROPOSED SWALES. THE PARKING LOT, CULVERTS, AND OTHER DRAINAGE FEATURES WILL BE MAINTAINED BY THE TOWN OF GLASTONBURY HIGHWAY DEPARTMENT.

PARKING LOT SWEEPING: SWEEPING IS PERFORMED EVERY YEAR IN THE SPRING AS PART OF THE TOWN'S ANNUAL STREET MAINTENANCE. ADDITIONAL SWEEPING WILL BE PERFORMED ON AN AS NEEDED BASIS TO ADDRESS SEDIMENT IN THE PARKING LOT.

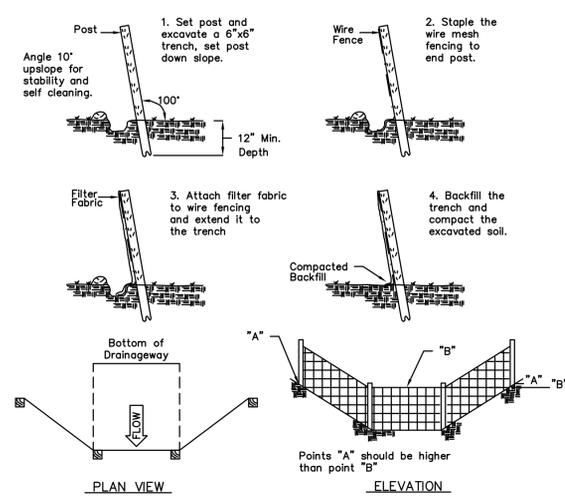
CULVERTS: INSPECTIONS WILL BE PERFORMED ANNUALLY AND STRUCTURES WILL BE CLEANED AT THE FREQUENCY DICTATED BY THE RATE OF SEDIMENT BUILD UP.

WATER QUALITY SWALES: WATER QUALITY SWALES WILL BE MOWED AS NECESSARY TO PREVENT WOODY VEGETATION GROWTH WITHIN THE SWALES WHICH WOULD INHIBIT FLOW AND FUNCTION. THESE SWALES WILL BE INSPECTED ANNUALLY FOR SIGNS OF SEDIMENT DEPOSITS OR EROSION AND CLEANED OR REPAIRED AS NECESSARY.



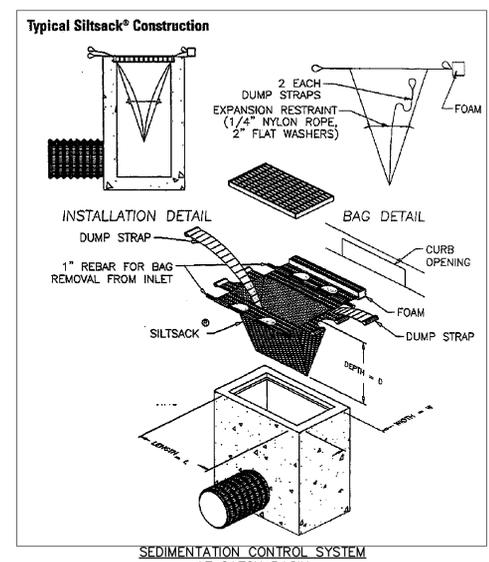
**SEDIMENTATION CONTROL HAY BALE SYSTEM**  
 NOT TO SCALE

Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut

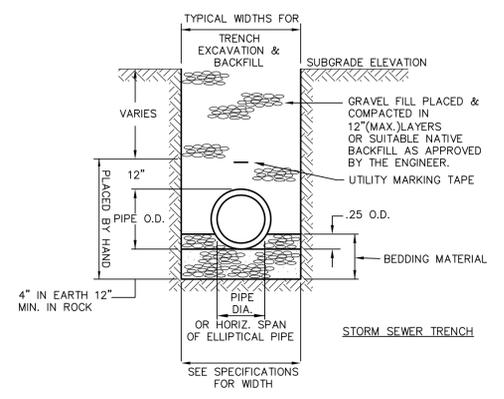


**SEDIMENTATION CONTROL FILTER FABRIC FENCE SYSTEM**  
 NOT TO SCALE

Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut

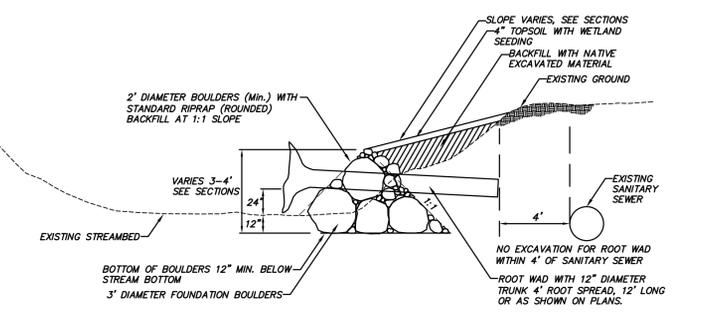


**SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN**  
 NOT TO SCALE



- NOTES:
1. ALL CONCRETE PIPE TO BE MINIMUM CLASS IV UNLESS OTHERWISE SPECIFIED.
  2. USE WATERTIGHT RUBBER GASKETS IN ALL PIPE JOINTS.
  3. PIPE BEDDING MATERIALS SHALL BE SAND OR SANDY SOIL, ALL OF WHICH PASSES 3/8" SIEVE AND <10% PASSING NO. 200 SIEVE.
  4. WHEN GROUND WATER IS ENCOUNTERED, 3/4" STONE SHALL BE SUBSTITUTED FOR PIPE BEDDING, AND BACKFILLED TO 12" ABOVE THE TOP OF PIPE.

**TYPICAL STORM DRAIN TRENCH**  
 NOT TO SCALE



**TYPICAL ROOT WAD STREAM BANK STABILIZATION**  
 SCALE: N.T.S.

- NOTES:
1. CONTACT BRIAN MURPHY, CT DEEP FISHERIES AT (860)424-4142 TWO WEEKS PRIOR TO INITIATING STREAM BANK STABILIZATION WORK TO ARRANGE INSPECTION.
  2. "UNCONTROLLED" IN STREAM WORK IS RESTRICTED TO THE PERIOD FROM JUNE 1 TO SEPTEMBER 30, INCLUSIVE.

| NO. | DESCRIPTION                  | DATE       |
|-----|------------------------------|------------|
| 5.  | ISSUED FOR CONSTRUCTION      | 8-8-2019   |
| 4.  | 100% CONSTRUCTION SUBMISSION | 3-25-2019  |
| 3.  | CT DEEP FISHERIES COMMENTS   | 10-10-2018 |
| 2.  | REVISED FOR PERMITTING       | 6-19-2018  |
| 1.  | ISSUED FOR PERMITTING        | 1-25-2017  |

| SCALE:       | AS SHOWN  |
|--------------|-----------|
| DRAWN BY:    | S.Troy    |
| CHECKED BY:  | S.M.B.    |
| APPROVED BY: | D.A.P.    |
| DATE:        | 6-20-2018 |

**NOTES AND DETAILS**  
**PROPOSED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT**

FILE: H:\DWG\Streets\Western Blvd\PW-101 Multi Use Path Western to House Street - Boardwalk - 3.1.dwg USER: Steven Troy DATE: 8/2/2019

**NOTES:**

- FOOTING BASE MAY BE CONSTRUCTED OF POURED IN PLACE CONCRETE OR PRECAST C.B. BLOCKS SET LEVEL WITH FULL MORTARED JOINTS.
- THE FOOTING SHALL BE USED ON BOTH INLET AND OUTLET SECTIONS, THE PRIME FUNCTION IS TO PREVENT EROSION AND SETTLEMENT.

**CONCRETE FOOTING FOR FLARED END SECTION**

SCALE: NONE  
DRAWN BY: SR  
CHECKED BY: SMI  
APPROVED BY: DAP  
LAST REVISION: 4/29/2008

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 24

**RIPRAP SPECIFICATION**

| OUTLET VELOCITY | RIPRAP TYPE  |
|-----------------|--------------|
| 0-8 FPS         | MODIFIED     |
| 8-10 FPS        | INTERMEDIATE |
| 10-14 FPS       | STANDARD     |

**RIPRAP APRON TYPE A AND TYPE B**

SCALE: NONE  
DRAWN BY: SR  
CHECKED BY: SMI  
APPROVED BY: DAP  
LAST REVISION: 9/1/2016

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 25

**RIPRAP SPECIFICATION**

| OUTLET VELOCITY | RIPRAP TYPE  |
|-----------------|--------------|
| 0-8 FPS         | MODIFIED     |
| 8-10 FPS        | INTERMEDIATE |
| 10-14 FPS       | STANDARD     |

**RIPRAP APRON TYPE C**

SCALE: NONE  
DRAWN BY: SR  
CHECKED BY: SMI  
APPROVED BY: DAP  
LAST REVISION: 9/1/2016

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 26

**SCOUR HOLE DIMENSIONS**

| (N.) | TYPE 1 (FT.) |    |    | TYPE 2 (FT.) |    |    |
|------|--------------|----|----|--------------|----|----|
| D    | F            | B  | C  | F            | B  | C  |
| 15   | 0.63         | 6  | 8  | 1.3          | 10 | 11 |
| 18   | 0.75         | 8  | 9  | 1.5          | 12 | 14 |
| 24   | 1.00         | 10 | 12 | 2.0          | 16 | 18 |
| 30   | 1.25         | 13 | 15 | 2.5          | 20 | 23 |
| 36   | 1.50         | 15 | 18 | 3.0          | 24 | 27 |
| 42   | 1.75         | 18 | 21 | 3.5          | 28 | 32 |
| 48   | 2.00         | 20 | 24 | 4.0          | 32 | 36 |
| 54   | 2.25         | 23 | 27 | 4.5          | 36 | 41 |
| 60   | 2.50         | 25 | 30 | 5.0          | 40 | 45 |

**PREFORMED SCOUR HOLE TYPE 1 & TYPE 2**

SCALE: NONE  
DRAWN BY: SR  
CHECKED BY: SMI  
APPROVED BY: DAP  
LAST REVISION: 9/1/2016

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 27

**NOTE:**

- ALL EDGES OF EXPOSED SURFACES SHALL BE CHAMFERED APPROXIMATELY 1".

**CONCRETE ENDWALL**

SCALE: N.T.S.

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 28

**NOTES:**

- PROCESSED STONE BASE SHALL BE CRUSHED TRAP ROCK CONFORMING TO ARTICLE 14.03 OF THE FORM B17 AND TOWN SPECIFICATIONS. GRAVEL OR RECLAIMED MISCELLANEOUS AGGREGATE SHALL NOT BE USED.
- CONCRETE SHALL BE CONDOT CLASS F, (4000 PSI, 28 DAY STRENGTH).
- FORMS ARE TO BE SET TRUE TO LINE AND GRADE ON WELL COMPACTED BASE. FORMS SHALL BE 1/2" STEEL OR 2" X 4" LUMBER. 2" X 4" LUMBER SHALL NOT BE USED AND SHALL BE CHISEL POINTED FOR IMMEDIATE REACTION OF SIDEWALK.
- CONCRETE SHALL BE STRUCK OFF (SQUEEZED) PRIOR TO SHED FINISHING. PROPER FINISHING PROCEDURES WILL BE FOLLOWED INCLUDING JOINTING, EDGING, AND BROOMING. A FINE BRISTLE BROOM SHOULD BE USED. ALL EDGING TOOL IMPRINTS SHOULD BE STEEL TROWELED PRIOR TO BROOMING.
- "TYPICAL 100" OR EQUAL CURBING COMPOUND / SEALER SHALL BE APPLIED TO ALL CONCRETE SIDEWALK PER TOWN SPECIFICATIONS.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT SURFACE FROM DAMAGE.
- WALKS SHALL BE BACKFILLED AS SOON AS FORMS ARE REMOVED.
- SIDEWALK SLABS SHOULD NOT EXCEED 5' IN WIDTH. IF SIDEWALK SLABS GREATER THAN 5' IN WIDTH ARE TO BE CONSTRUCTED, A LONGITUDINAL EXPANSION JOINT SHALL BE CONSTRUCTED TO FORM ACCEPTABLE SLABS.
- INSERT 18" LONG SMOOTH METAL DOWELS AT ALL EXPANSION JOINTS, AT SIDEWALK RAMPS, AND AT THE LAST LAB FORMED AT THE END OF THE WORKING DAY. DOWELS SHALL ALSO BE INSTALLED BETWEEN NEW AND EXISTING CONCRETE SLABS.
- EXPANSION JOINT SHALL BE 1/2" ASPHALT IMPREGATED CELLULAR FIBER AND OF A DIMENSION EQUAL TO THE FULL SLAB DEPTH.

**CONCRETE SIDEWALKS**

SCALE: NONE  
DRAWN BY: SR  
CHECKED BY: SMI  
APPROVED BY: DAP  
LAST REVISION: 9/1/2016

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 8

**CONCRETE SIDEWALK RAMPS**

SCALE: NONE  
DRAWN BY: SR  
CHECKED BY: SMI  
APPROVED BY: DAP  
LAST REVISION: 3/28/2017

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 7

**BITUMINOUS CURBING**

SCALE: NONE  
DRAWN BY: SR  
CHECKED BY: SMI  
APPROVED BY: DAP  
LAST REVISION: 3/28/2017

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 6

**NOTES:**

- PRIVATE RESIDENTIAL DRIVEWAYS SHALL NOT EXCEED 12 FEET IN WIDTH AND PUBLIC OR COMMERCIAL DRIVEWAYS SHALL NOT EXCEED 30 FEET IN WIDTH UNLESS PRIOR APPROVAL IS GIVEN BY THE TOWN MANAGER. MAXIMUM CURB CUT DIMENSION MAY EXCEED THIS BY UP TO 6 FEET TO ALLOW FOR A 3 FOOT RADIUS AT THE INTERSECTION WITH THE PUBLIC STREET.
- DRIVEWAYS SHALL NOT BE CONSTRUCTED WITHIN 20 FEET OF AN INTERSECTION OR 4 FEET OF A CROSS WALK.
- NO TWO DRIVEWAYS SHALL BE CONSTRUCTED CLOSER THAN 8 FEET APART WHEN MEASURED AT THE GUTTER LINE OF THE STREET.
- WHERE DRIVEWAYS CROSS EXISTING ROADSIDE DITCHES OR WATERCOURSES, CULVERTS SHALL BE INSTALLED PER SECTION 17-159 OF THE TOWN ORDINANCE.
- IF CONCRETE SIDEWALKS ARE CALLED FOR THIS AREA SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SIDEWALK DETAIL.
- A BITUMINOUS CONCRETE DRIVEWAY APRON SHALL BE INSTALLED UP TO THE STREET LINE FOR UNPAVED AREAS. A 12" MAXIMUM BITUMINOUS CONCRETE APRON SHALL BE INSTALLED WHEN DRIVEWAYS ARE INSTALLED USING CONCRETE OR PAVERS.

**BITUMINOUS CONCRETE DRIVEWAY**

SCALE: NONE  
DRAWN BY: SR  
CHECKED BY: SMI  
APPROVED BY: DAP  
LAST REVISION: 3/28/2017

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 9

**TYPICAL HANDICAP PARKING STALL LAYOUT**

NOTE: HANDICAP SYMBOL TO ADHERE TO STATE BUILDING CODE, LATEST EDITION

**CONNECTICUT SYMBOL OF ACCESSIBILITY**

NOTE: UNIFORM FEDERAL ACCESSIBILITY STANDARDS, SECTION 4.30 & 5010 ADA

SCALE: NONE  
DRAWN BY: SR  
CHECKED BY: SMI  
APPROVED BY: DAP  
LAST REVISION: 9/1/2016

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 8

**TEMPORARY PAVEMENT REPAIR DETAIL**

**PERMANENT PAVEMENT REPAIR DETAIL**

**NOTES:**

- PROCESSED STONE BASE SHALL BE CRUSHED TRAP ROCK CONFORMING TO ARTICLE 14.03 OF THE FORM B17 AND TOWN SPECIFICATIONS. GRAVEL OR RECLAIMED MISCELLANEOUS AGGREGATE SHALL NOT BE USED.
- PERMANENT TRENCH REPAIRS FOR STREETS WITH CONCRETE PAVEMENT OR CONCRETE BASE MAY CONSIST OF 2" HMA 50.375, 6" HMA 51.0, AND 10" GRAVEL SUBBASE AT THE DISCRETION OF THE TOWN ENGINEER.
- AT THE REQUEST OF THE TOWN ENGINEER THE CONTRACTOR SHALL VERIFY AND SUBMIT PROPER TESTING RESULTS THAT COMPACTION MEETS WITH TOWN'S STANDARDS FOR A 90% COMPACTED DENSITY.

|             | LOCAL OR COLLECTOR | ARTERIAL (> 3000 ADT) |
|-------------|--------------------|-----------------------|
| HMA 50.375" | 1.5"               | N/A                   |
| HMA 50.5"   | 2"                 | 3" (IN TWO LIFTS)     |
| HMA 51.0"   | N/A                | 6" (IN TWO LIFTS)     |

SCALE: NONE  
DRAWN BY: SR  
CHECKED BY: SMI  
APPROVED BY: DAP  
LAST REVISION: 3/28/2017

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 3

**ECM SWALE DETAIL STATION 3+14**

N.T.S.

SCALE: AS SHOWN  
DRAWN BY: S.Troy  
DATE: 6-20-2018

TOWN OF GLASTONBURY  
DEPARTMENT OF PHYSICAL SERVICES  
ENGINEERING DIVISION

PLATE NO. 3

**DRAWING ISSUE STATUS**

| NO. | DESCRIPTION                  | DATE      |
|-----|------------------------------|-----------|
| 4.  | ISSUED FOR CONSTRUCTION      | 8-8-2019  |
| 3.  | 100% CONSTRUCTION SUBMISSION | 3-25-2019 |
| 2.  | REVISED FOR PERMITTING       | 6-19-2018 |
| 1.  | ISSUED FOR PERMITTING        | 1-25-2017 |

**DETAILS DEPICTING PROPOSED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT**

SCALE: AS SHOWN  
DRAWN BY: S.Troy  
DATE: 6-20-2018

CHECKED BY: S.M.B.  
APPROVED BY: D.A.P.  
DATE: 6-20-2018

ST. FILE:

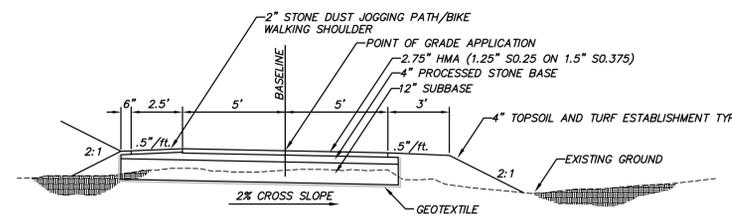
MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE SHOWN ON THESE DRAWINGS. THERE ARE NO DISCREPANCIES BETWEEN THESE DRAWINGS AND THE RECORD DRAWINGS AT THE TOWN OF GLASTONBURY, ENGINEERING OFFICE AT (860) 632-7752.

PLATE NO. 3

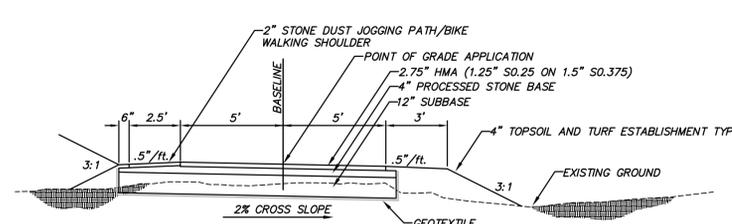
Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

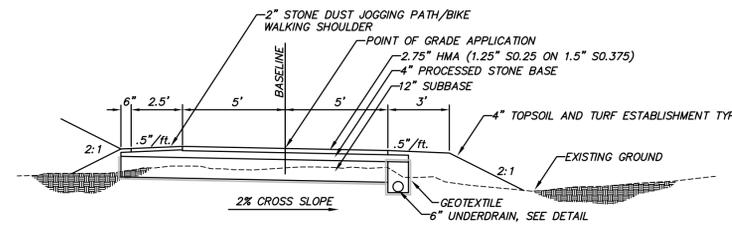
FILE: H:\DTG\Streets\Western Blvd\PH-1101 Multi Use Path Western to House Street - Boardwalk AL-31.dwg USER: Steven Troy DATE: 8/28/2019



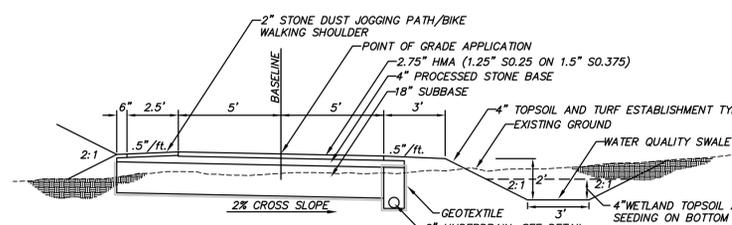
TYPICAL MULTI-USE PATH CROSS SECTION  
STATION 1+59 to 2+11  
SCALE : N.T.S.



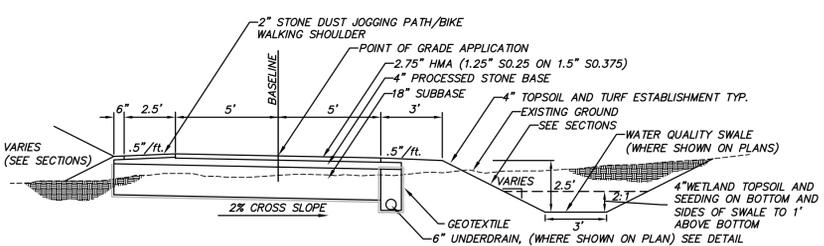
TYPICAL MULTI-USE PATH CROSS SECTION  
STATION 22+50 to 23+30  
SCALE : N.T.S.



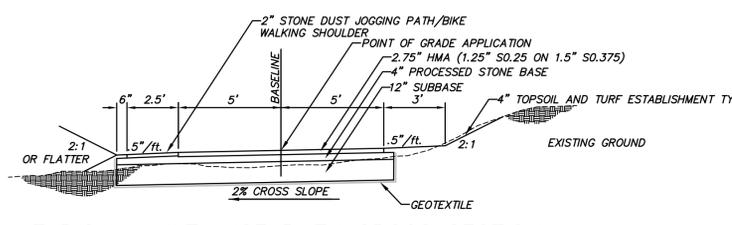
TYPICAL MULTI-USE PATH CROSS SECTION  
STATION 2+11 to 3+20  
STATION 9+00 to 10+25  
SCALE : N.T.S.



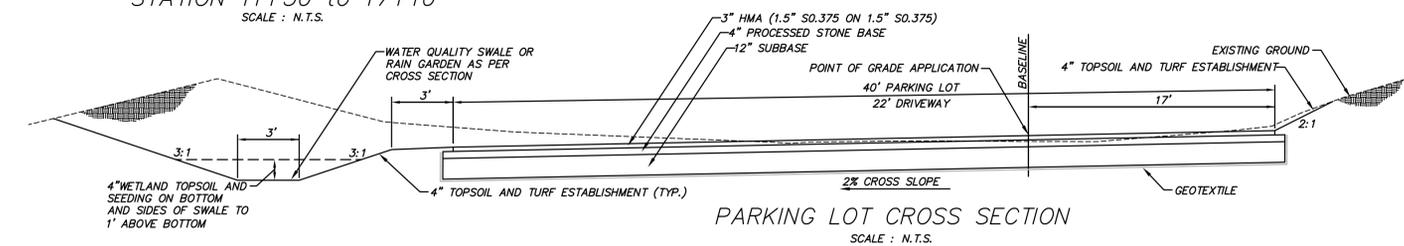
TYPICAL MULTI-USE PATH CROSS SECTION  
STATION 3+20 to 7+16  
SCALE : N.T.S.



TYPICAL MULTI-USE PATH CROSS SECTION  
STATION 7+16 to 9+00  
STATION 10+25 to 11+30  
STATION 18+75 to 22+50  
SCALE : N.T.S.

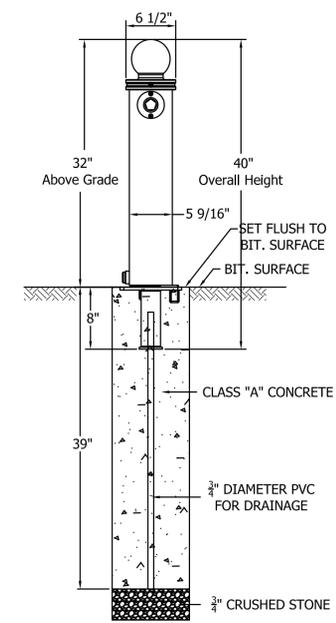


TYPICAL MULTI-USE PATH CROSS SECTION  
STATION 11+30 to 17+10  
SCALE : N.T.S.

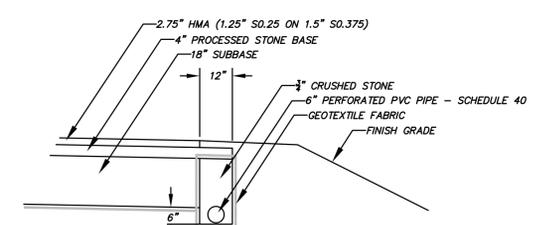


PARKING LOT CROSS SECTION  
SCALE : N.T.S.

NOTE:  
BOLLARDS SHALL BE MAXIFORCE MRRW-RS1-R REMOVABLE STEEL PIPE BOLLARD OR APPROVED EQUAL

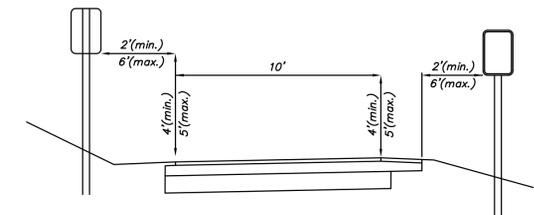


REMOVABLE BOLLARD  
N.T.S.

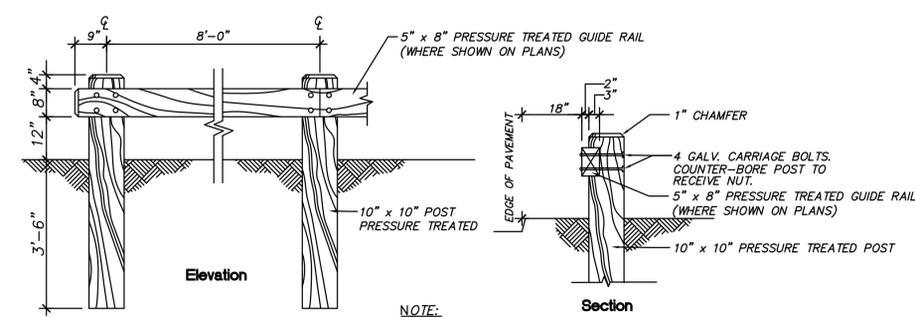


NOTES:  
1. USE SOLID PVC PIPE FOR UNDERDRAIN OUTLETS BEYOND LIMITS OF CRUSHED STONE.  
2. ADJUST DEPTH AS REQUIRED TO MAINTAIN POSITIVE FLOW TO OUTLET.

UNDERDRAIN DETAIL  
SCALE : N.T.S.

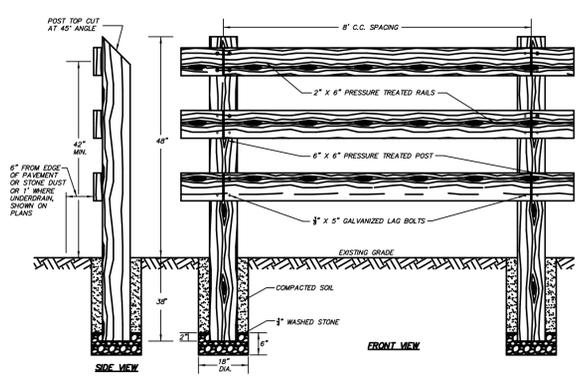


SIGN PLACEMENT ON MULTI-USE PATH  
SCALE : N.T.S.



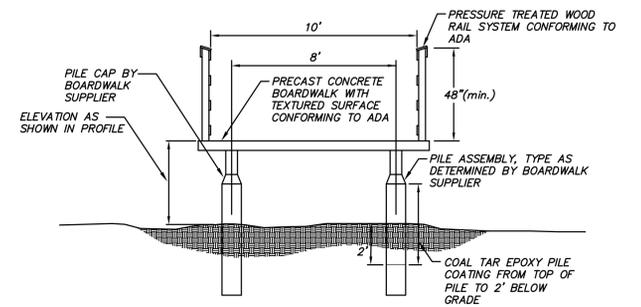
NOTE:  
TIMBER POSTS TO BE SPACED AT 6' O.C. WHERE GUIDERAIL IS NOT CALLED FOR ON THE PLANS.

TIMBER POSTS AND GUIDE RAIL  
NOT TO SCALE

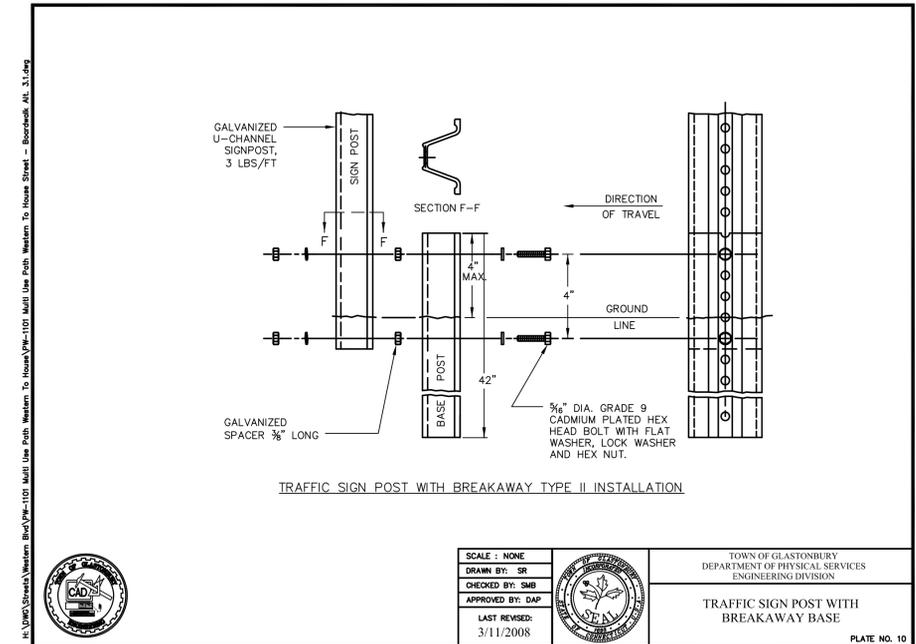


NOTE: FENCE SHALL BE POST AND BOARD STYLE BY HASTIE FENCE OR EQUAL.

THREE RAIL SAFETY FENCE  
SCALE : N.T.S.



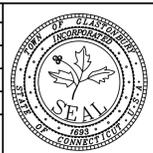
TYPICAL MULTI-USE PATH CROSS SECTION  
WETLANDS BOARD WALK  
STATION 17+10 to 18+75  
SCALE : N.T.S.



TRAFFIC SIGN POST WITH BREAKAWAY TYPE II INSTALLATION

|                            |  |
|----------------------------|--|
| SCALE : NONE               | TOWN OF GLASTONBURY<br>DEPARTMENT OF PHYSICAL SERVICES<br>ENGINEERING DIVISION |
| DRAWN BY: SR               | TRAFFIC SIGN POST WITH<br>BREAKAWAY BASE                                       |
| CHECKED BY: SMB            | PLATE NO. 10   |
| APPROVED BY: DAP           |  |
| LAST REVISED:<br>3/11/2008 |  |

| NO. | DESCRIPTION                  | DATE      | SCALE: AS SHOWN     | DATE:     |
|-----|------------------------------|-----------|---------------------|-----------|
|     |                              |           | DRAWN BY: S.Troy    | 6-20-2018 |
| 4.  | ISSUED FOR CONSTRUCTION      | 8-8-2019  | CHECKED BY: S.M.B.  | 6-20-2018 |
| 3.  | 100% CONSTRUCTION SUBMISSION | 3-25-2019 | APPROVED BY: D.A.P. | 6-20-2018 |
| 2.  | REVISED FOR PERMITTING       | 6-19-2018 | ST. FILE:           |           |
| 1.  | ISSUED FOR PERMITTING        | 1-25-2017 |                     |           |

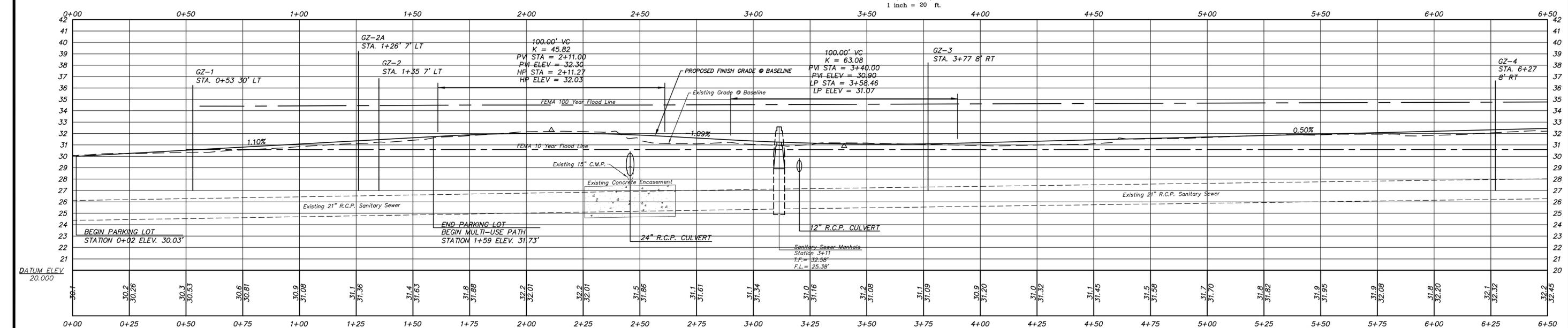
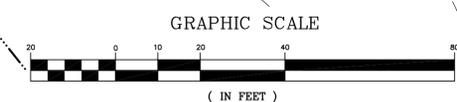
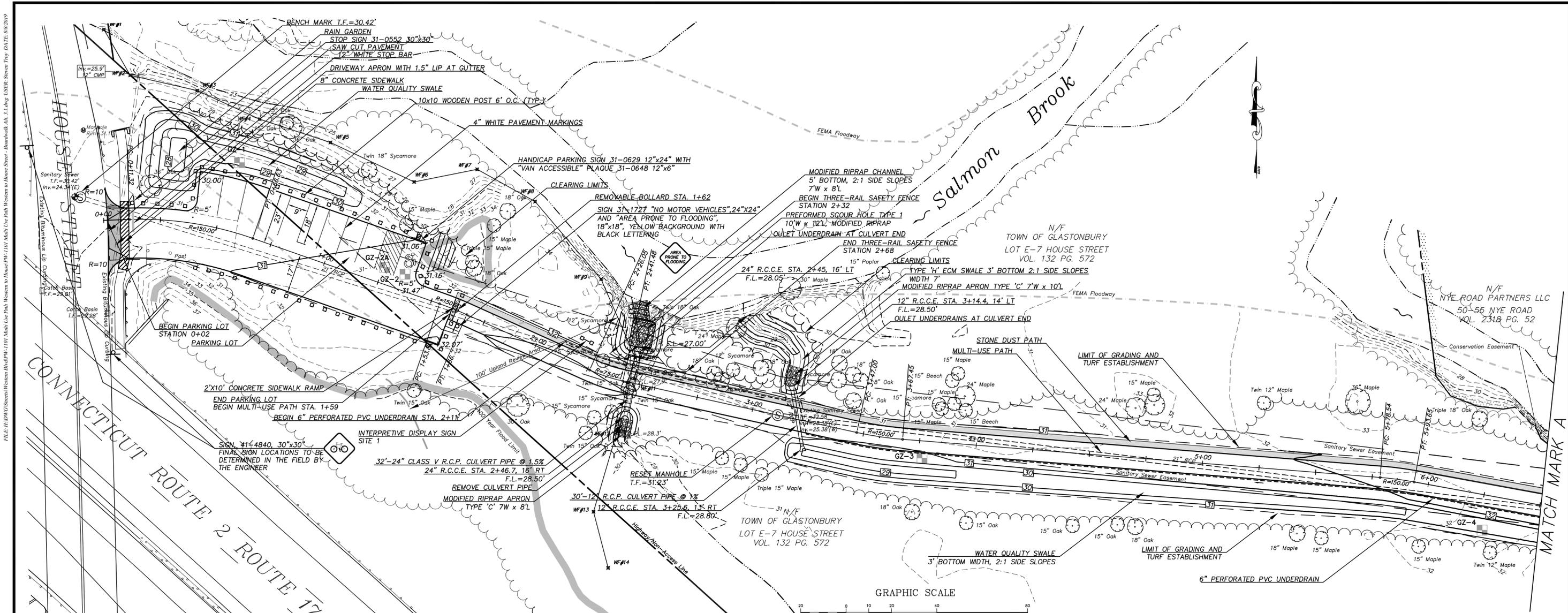


**TYPICAL SECTIONS  
PROPOSED MULTI-USE PATH  
FROM  
HOUSE STREET TO  
WESTERN BOULEVARD  
GLASTONBURY, CONNECTICUT**

Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE. SHOW UP QUESTIONS CONTACT THE TOWN OF GLASTONBURY ENGINEERING OFFICE AT (860) 632-7735.



Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

SCALE:  
Horizontal 1"=20'  
Vertical 1"=4'

P.W. 1101

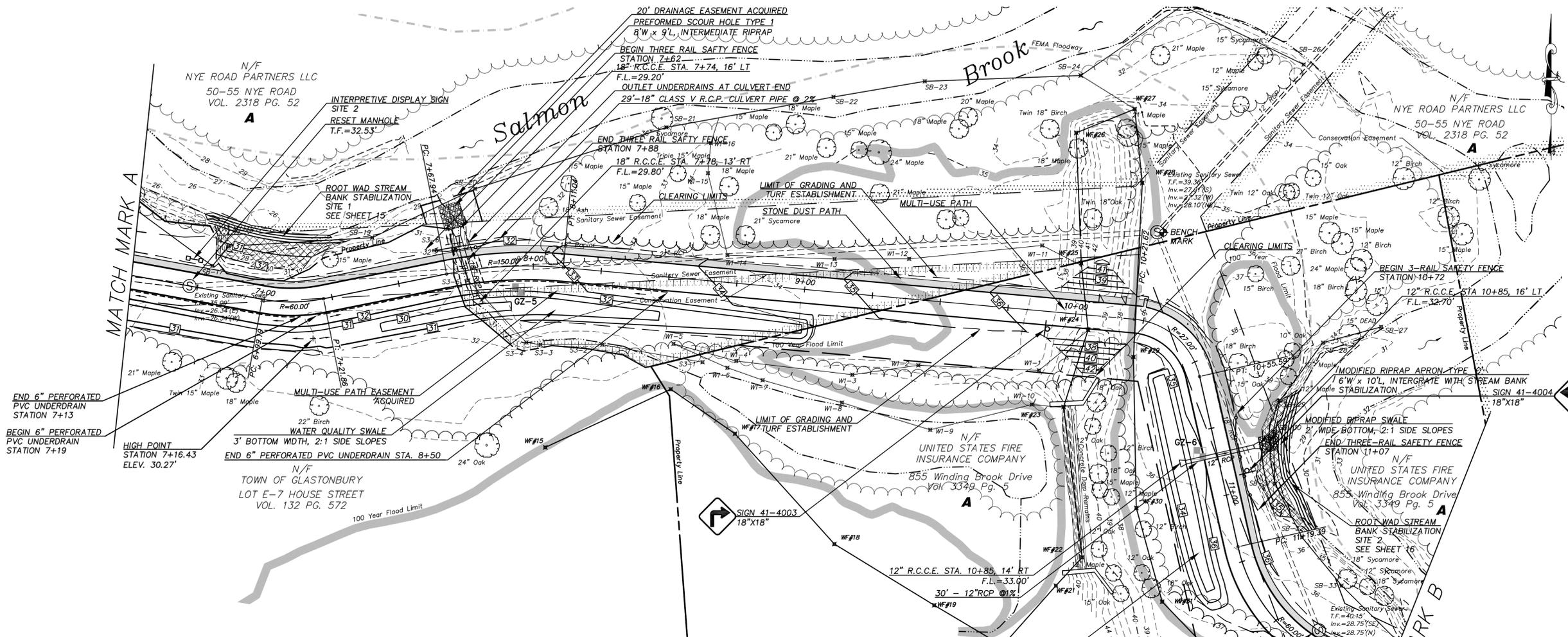
| DRAWING ISSUE STATUS |                         | DATE:     |   |
|----------------------|-------------------------|-----------|---|
| 3.                   | ISSUED FOR CONSTRUCTION | 8-8-2019  | APPROVED BY: D.A.P. 6-20-2018   |
| 2.                   | REVISED FOR PERMITTING  | 6-19-2018 | ST. FILE:   |
| 1.                   | ISSUED FOR PERMITTING   | 1-25-2017 | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON THIS FILE. SHOW ALL REVISIONS IN RED. THE TOWN OF GLASTONBURY, ENGINEERING OFFICE AT (860) 632-7735. |
| NO.                  | DESCRIPTION             | DATE      |   |



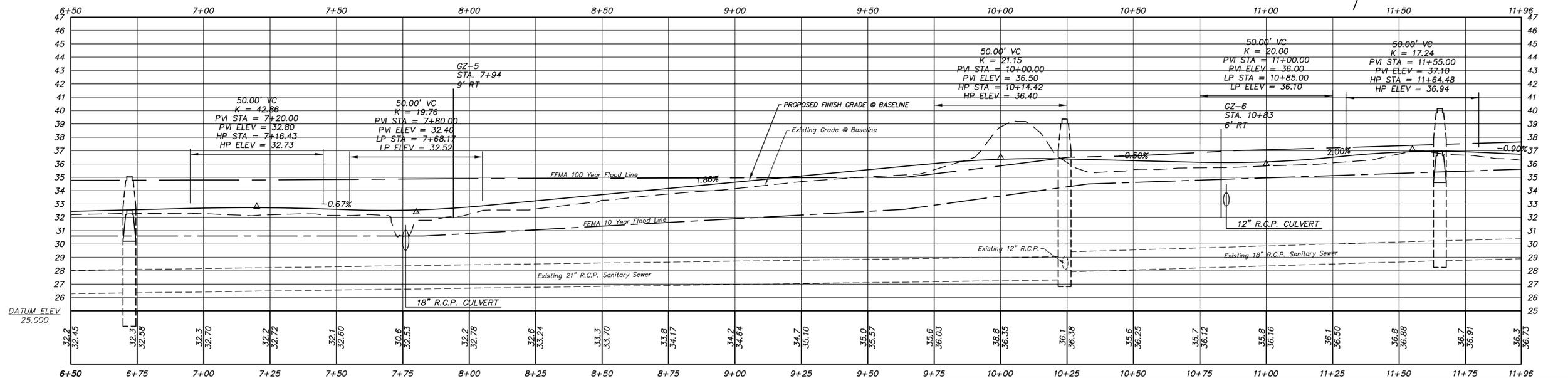
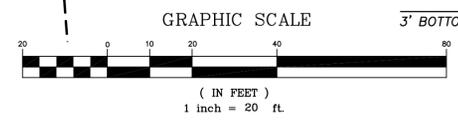
**PLAN AND PROFILE DEPICTING  
PROPOSED MULTI-USE PATH  
FROM  
HOUSE STREET TO  
WESTERN BOULEVARD  
GLASTONBURY, CONNECTICUT**

SHEET NO. **5** OF 24

FILE: H:\DWG\Streets\Western Blvd\PW-1101 Multi Use Path Western to House Street - Boardwalk Alt. 3.dwg USER: Steven Troy DATE: 8/8/2019

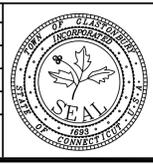


**A** RIGHTS TO INSTALL STREAMBANK STABILIZATION ACQUIRED



SCALE:  
Horizontal 1"=20'  
Vertical 1"=4'

| DRAWING ISSUE STATUS |                            | SCALE: AS SHOWN | DATE:   |
|----------------------|----------------------------|-----------------|---|
| 4.                   | ISSUED FOR CONSTRUCTION    | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018  |
| 3.                   | CT DEEP FISHERIES COMMENTS | 10-10-2018      | CHECKED BY: S.M.B. 6-20-2018  |
| 2.                   | REVISED FOR PERMITTING     | 6-19-2018       | APPROVED BY: D.A.P. 6-20-2018   |
| 1.                   | ISSUED FOR PERMITTING      | 1-25-2017       | ST. FILE:   |
| NO.                  | DESCRIPTION                | DATE            | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON THIS FILE. SHOW ON ALL SHEETS. NOTIFY THE DESIGNER OF ANY DISCREPANCIES. ENGINEERING OFFICE AT (860) 632-7132. |



**PLAN AND PROFILE DEPICTING PROPOSED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT**

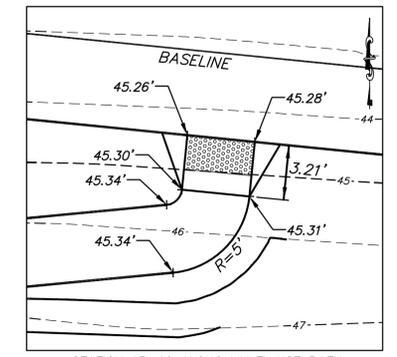
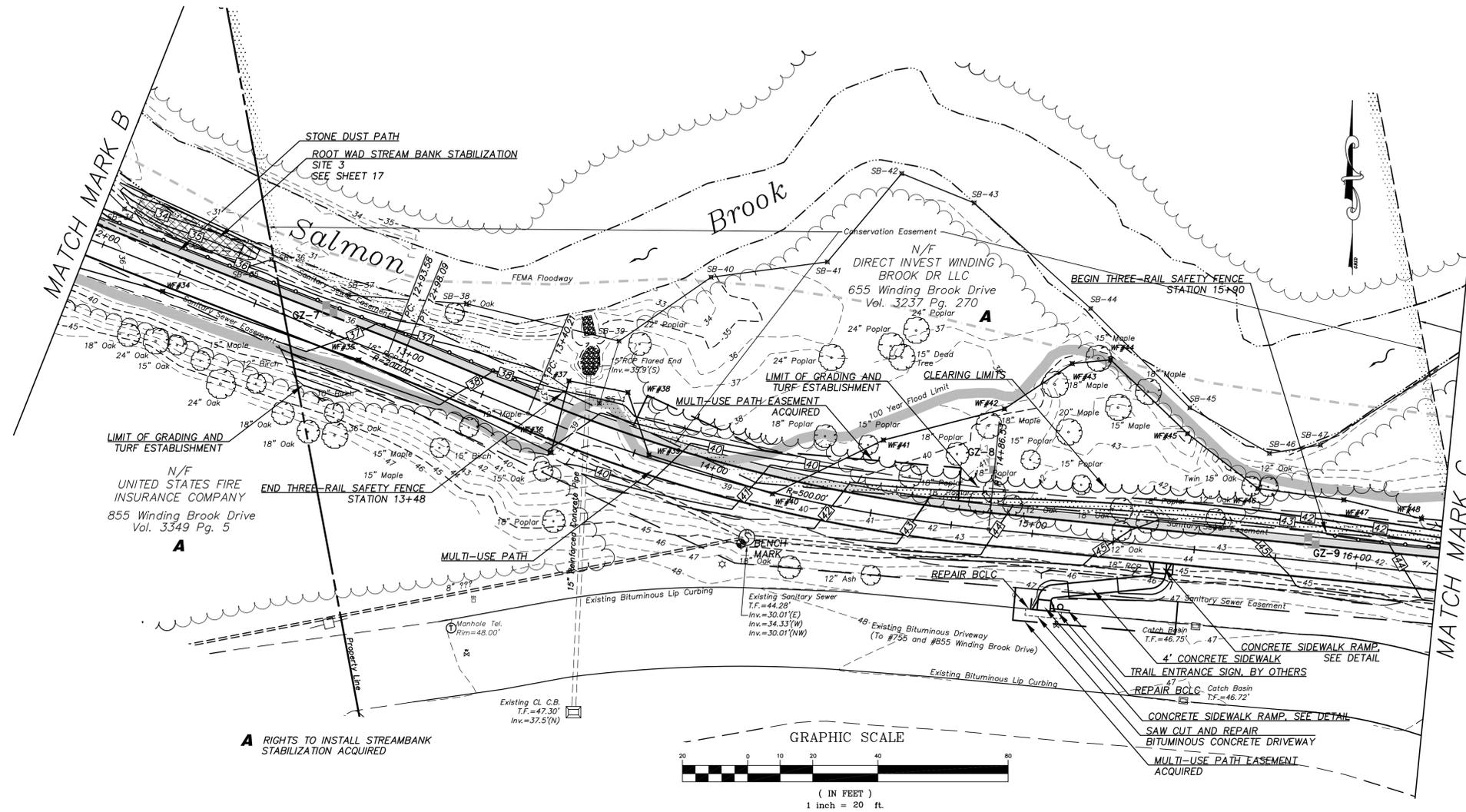
Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

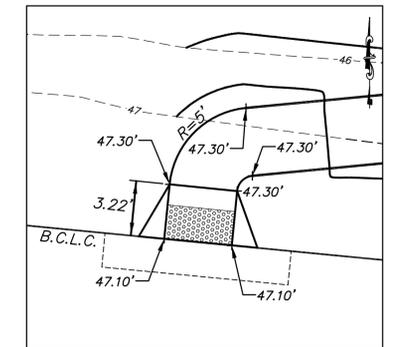
P.W. 1101

SHEET NO. **6** OF 24

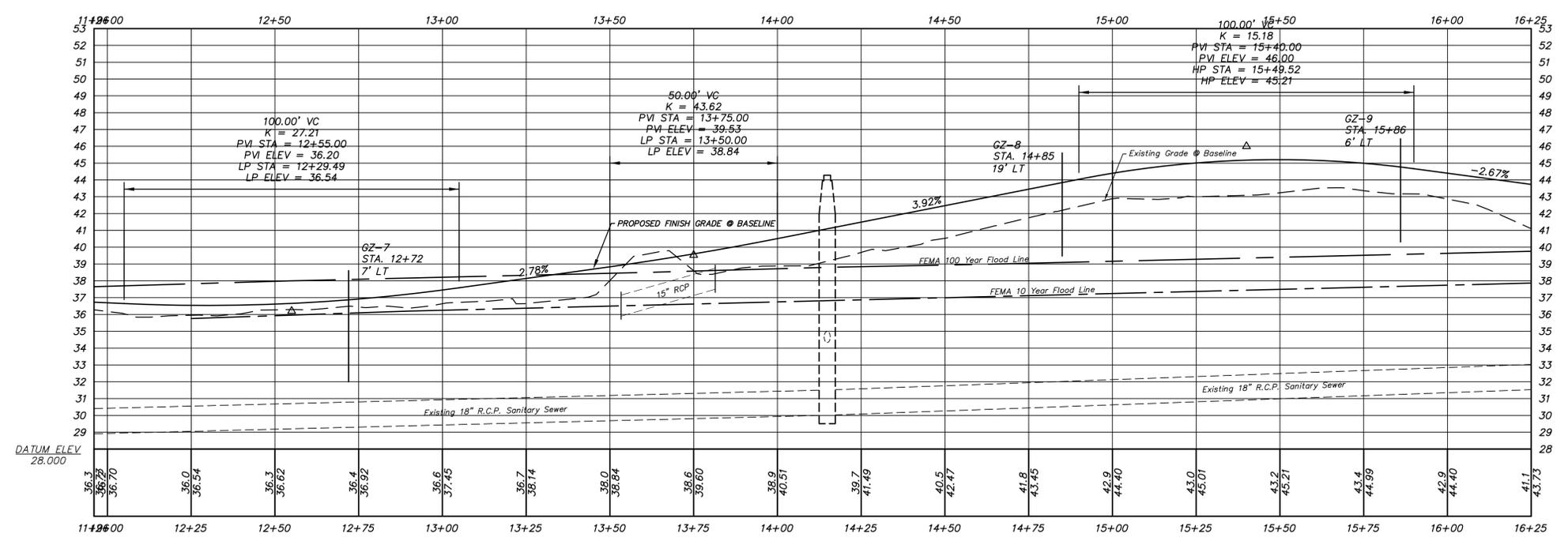
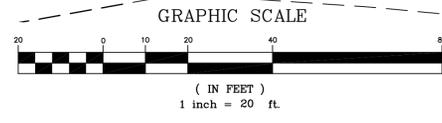
FILE: H:\DWG\Streets\Western Blvd\PW-1101 Multi Use Path Western to House Street - Boardwalk Alt. 3.dwg USER: Steven Troy DATE: 8/8/2019



STATION 15+40 ALONG MULTI-USE PATH CONCRETE SIDEWALK RAMP GRADING DETAIL SCALE: 1"=5'



STATION 15+06 23' RIGHT ALONG MULTI-USE PATH CONCRETE SIDEWALK RAMP GRADING DETAIL SCALE: 1"=5'



SCALE:  
Horizontal 1"=20'  
Vertical 1"=4'

| DRAWING ISSUE STATUS |                               | SCALE: AS SHOWN | DATE:   |
|----------------------|-------------------------------|-----------------|---|
| 5.                   | ISSUED FOR CONSTRUCTION       | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018  |
| 4.                   | CT DEEP FISHERIES COMMENTS    | 10-10-2018      | CHECKED BY: S.M.B. 6-20-2018  |
| 3.                   | REVISED FOR PERMITTING        | 6-19-2018       | APPROVED BY: D.A.P. 6-20-2018   |
| 2.                   | REVISED FOR BOARDWALK CONCEPT | 10-16-2017      | ST. FILE:   |
| 1.                   | ISSUED FOR PERMITTING         | 1-25-2017       | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE SHOWN ON LEFT MARGIN OF THIS DRAWING. THE FIRM OF GLASTONBURY ENGINEERING OFFICE AT (860) 632-7135. |
| NO.                  | DESCRIPTION                   | DATE            |   |

Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

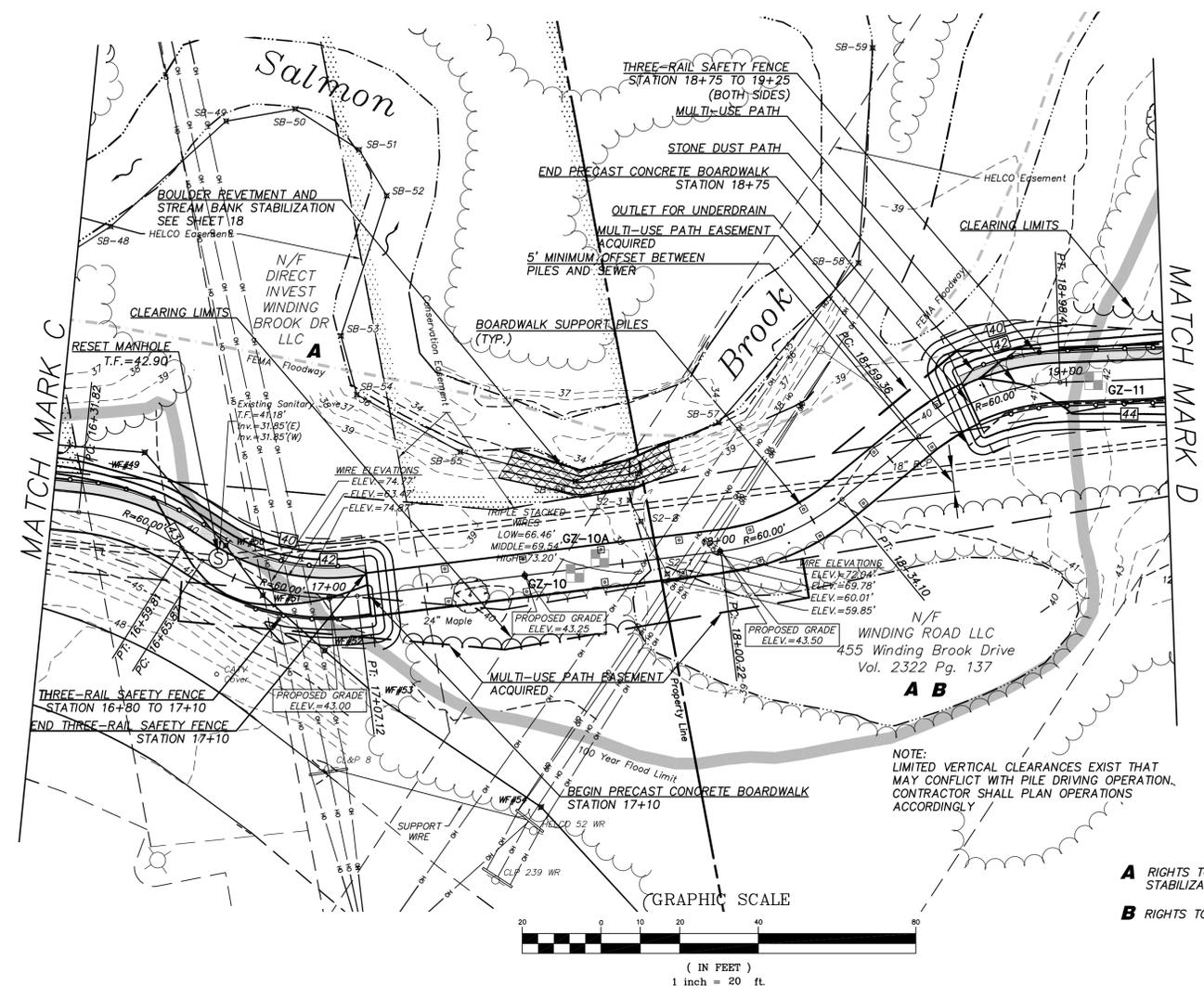


**PLAN AND PROFILE DEPICTING PROPOSED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT**

SHEET NO. **7** OF 24

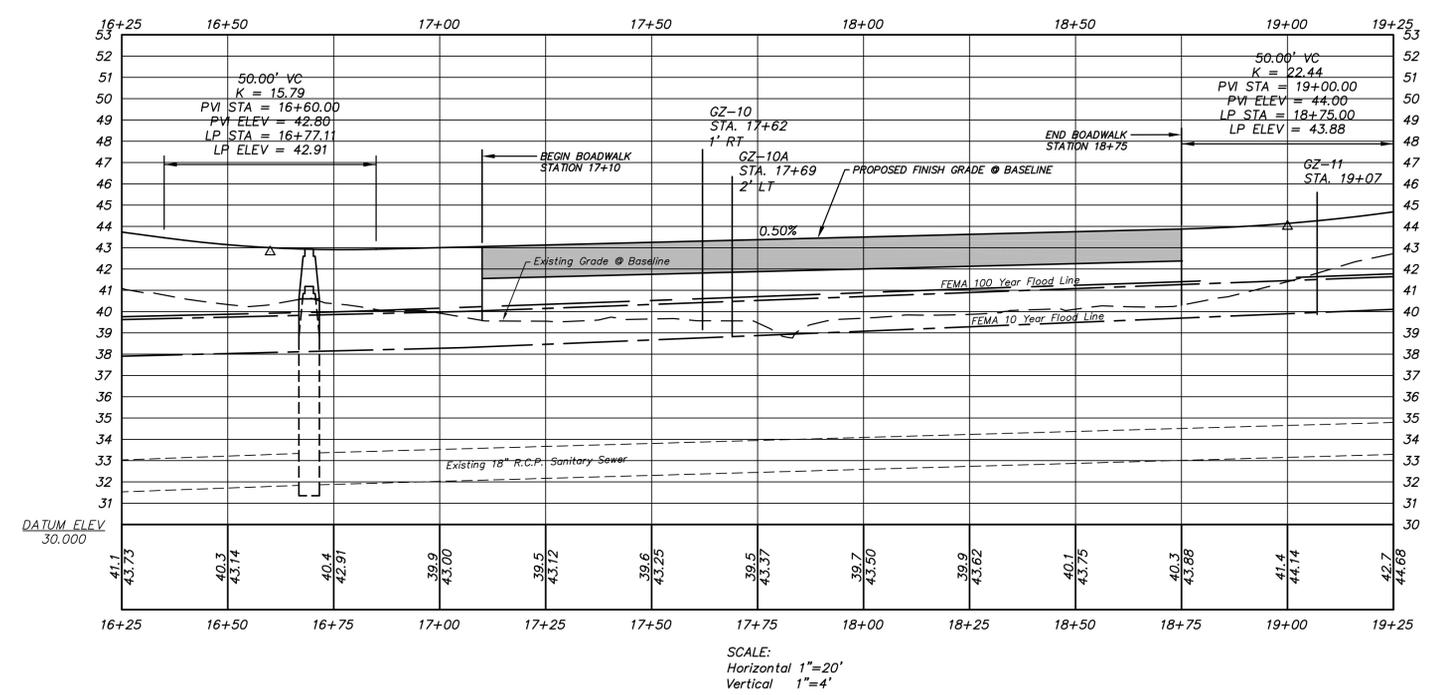
P.W. 1101

FILE: H:\DWG\Streets\Western Blvd\PW-1101\Multi Use Path\Western to House Street - Boardwalk A.B. 3.dwg USER: Steven Troy DATE: 8/8/2019



**A** RIGHTS TO INSTALL STREAMBANK STABILIZATION ACQUIRED

**B** RIGHTS TO INSTALL PLANTINGS ACQUIRED

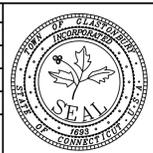


Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

P.W. 1101

| DRAWING ISSUE STATUS |                               | SCALE: AS SHOWN | DATE:  |
|----------------------|-------------------------------|-----------------|--|
| 5.                   | ISSUED FOR CONSTRUCTION       | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018   |
| 4.                   | CT DEEP FISHERIES COMMENTS    | 10-10-2018      | CHECKED BY: S.M.B. 6-20-2018   |
| 3.                   | REVISED FOR PERMITTING        | 6-19-2018       | APPROVED BY: D.A.P. 6-20-2018  |
| 2.                   | REVISED FOR BOARDWALK CONCEPT | 10-16-2017      | ST. FILE:  |
| 1.                   | ISSUED FOR PERMITTING         | 1-25-2017       | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE. SHOW ON LEFT MARGIN. THE TIME OF REVISIONS CONTRACTOR'S RESPONSIBILITY. ENGINEERING OFFICE AT (860) 632-7725. |
| NO.                  | DESCRIPTION                   | DATE            |  |



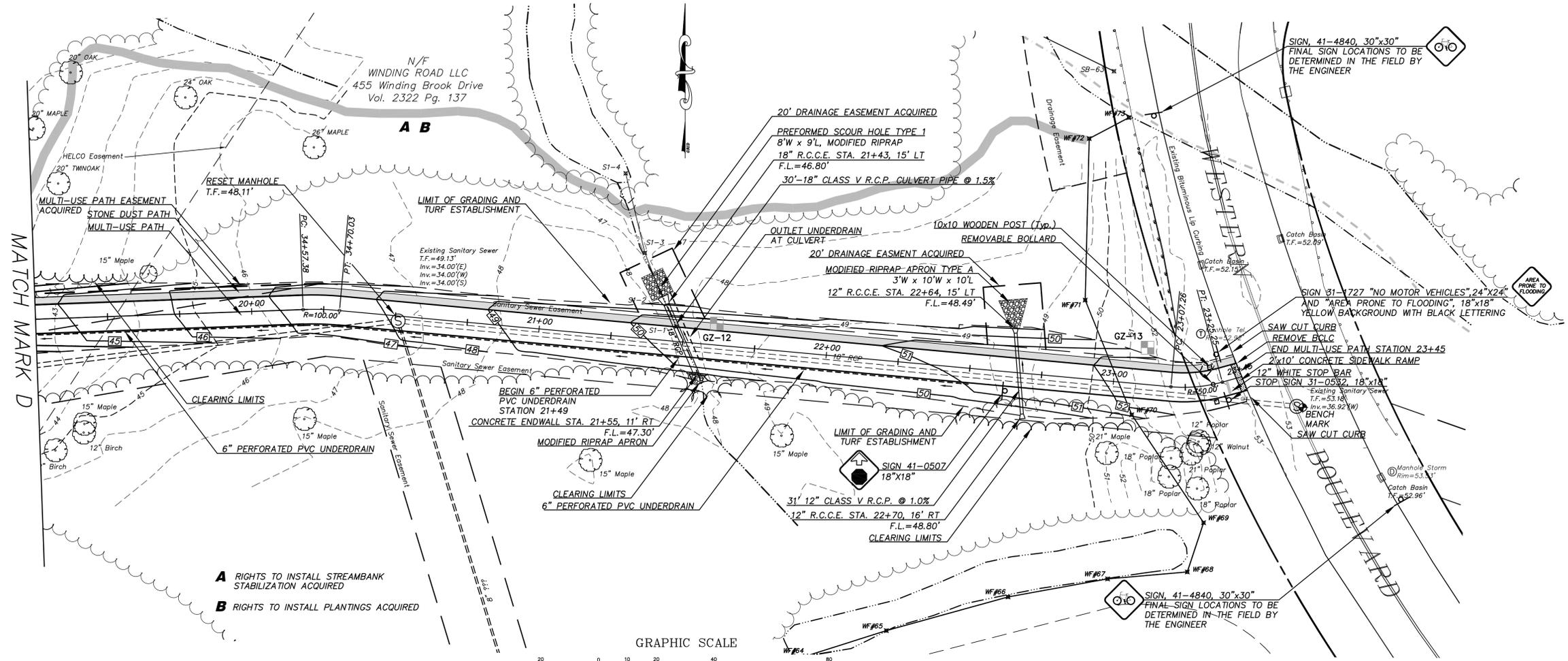
**PLAN AND PROFILE DEPICTING PROPOSED MULTI-USE PATH From HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT**

SHEET NO.

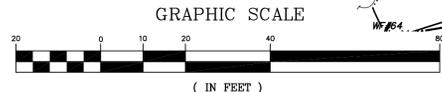
8

OF 24

FILE: H:\DWG\Streets\Western Blvd\PW-1101\Multi Use Path\Western to House Street - Boardwalk Alt. 3.dwg USER: Steven Troy DATE: 8/8/2019



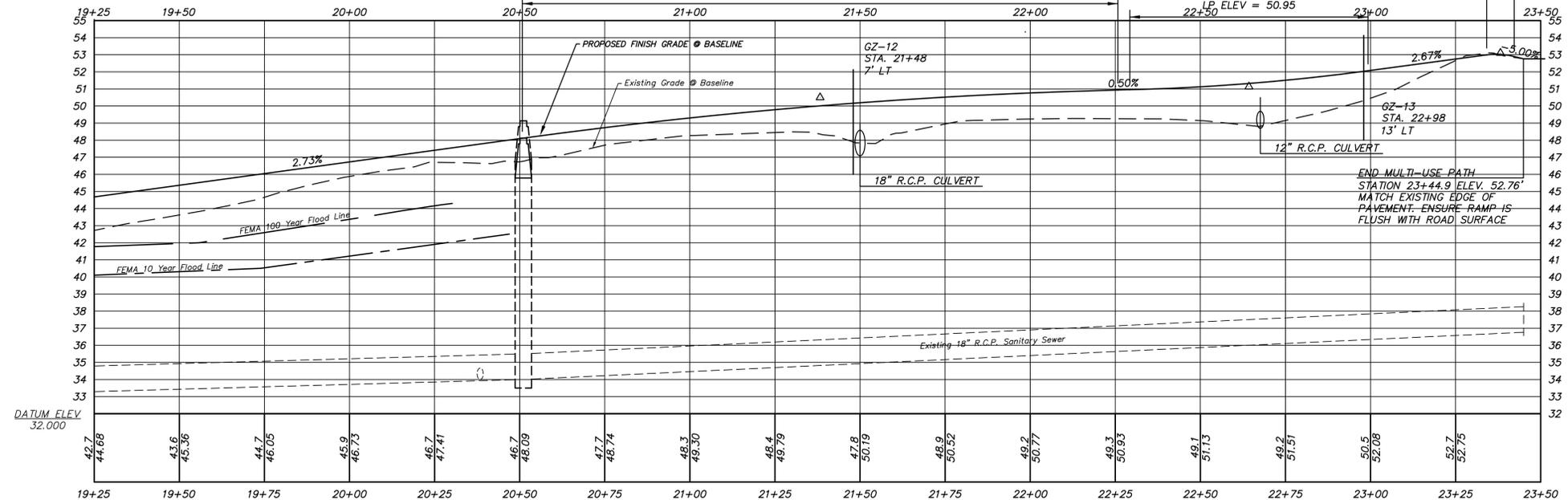
**A** RIGHTS TO INSTALL STREAMBANK STABILIZATION ACQUIRED  
**B** RIGHTS TO INSTALL PLANTINGS ACQUIRED



( IN FEET )  
 1 inch = 20 ft.  
 175.00' VC  
 K = 78.55  
 PVI STA = 21+38.27  
 PVI ELEV = 50.50  
 HP STA = 22+25.77  
 HP ELEV = 50.94

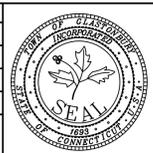
70.00' VC  
 K = 32.31  
 PVI STA = 22+64.27  
 PVI ELEV = 51.13  
 LP STA = 22+29.27  
 LP ELEV = 50.95

8.06' VC  
 K = 1.05  
 PVI STA = 23+38.16  
 PVI ELEV = 53.10  
 HP STA = 23+36.93  
 HP ELEV = 53.03



SCALE:  
 Horizontal 1"=20'  
 Vertical 1"=4'

| DRAWING ISSUE STATUS |                               | SCALE: AS SHOWN | DATE:  |
|----------------------|-------------------------------|-----------------|--|
| 4.                   | ISSUED FOR CONSTRUCTION       | 8-8-2019        | CHECKED BY: S.Troy 6-20-2018   |
| 3.                   | REVISED FOR PERMITTING        | 6-19-2018       | APPROVED BY: D.A.P. 6-20-2018  |
| 2.                   | REVISED FOR BOARDWALK CONCEPT | 10-16-2017      | ST. FILE:  |
| 1.                   | ISSUED FOR PERMITTING         | 1-25-2017       | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE. SHOW ON REVISIONS CONTACT THE NAME OF GLASTONBURY ENGINEERING OFFICE AT (860) 632-7135. |
| NO.                  | DESCRIPTION                   | DATE            |  |



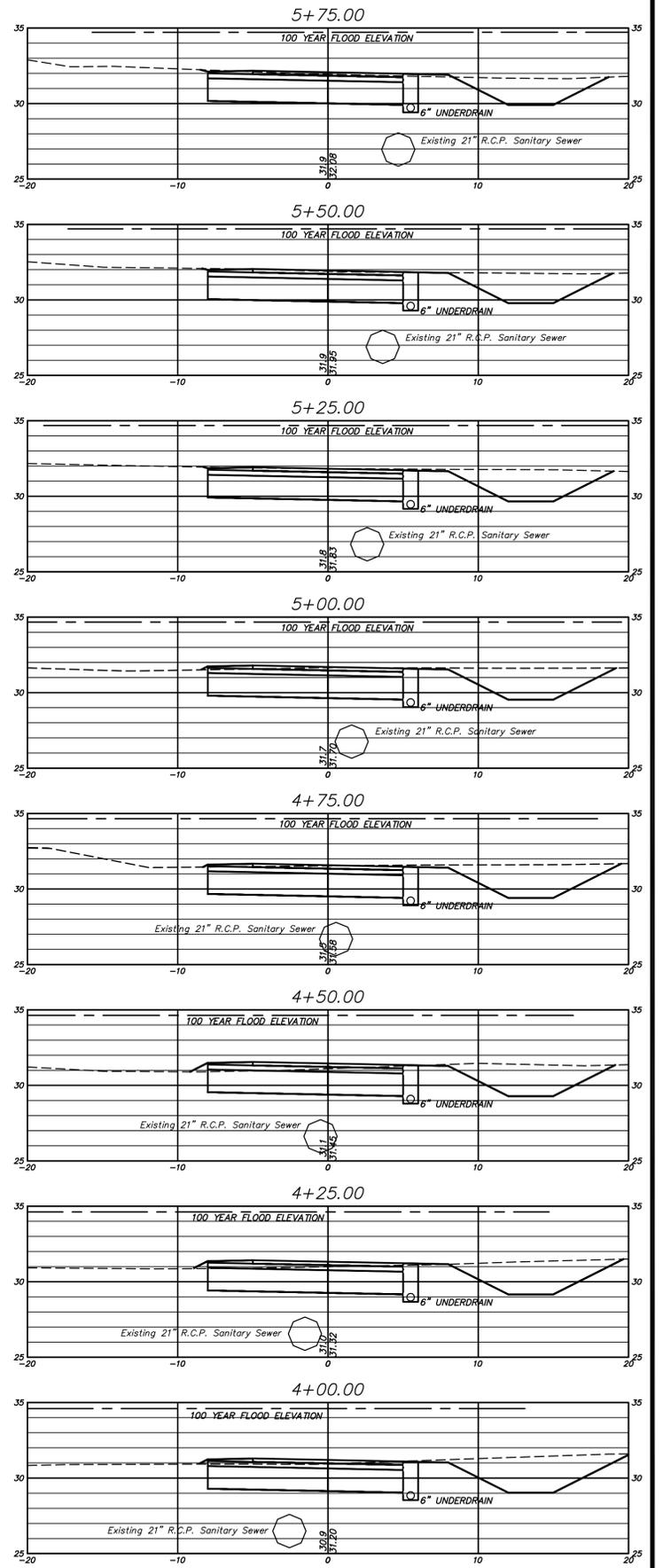
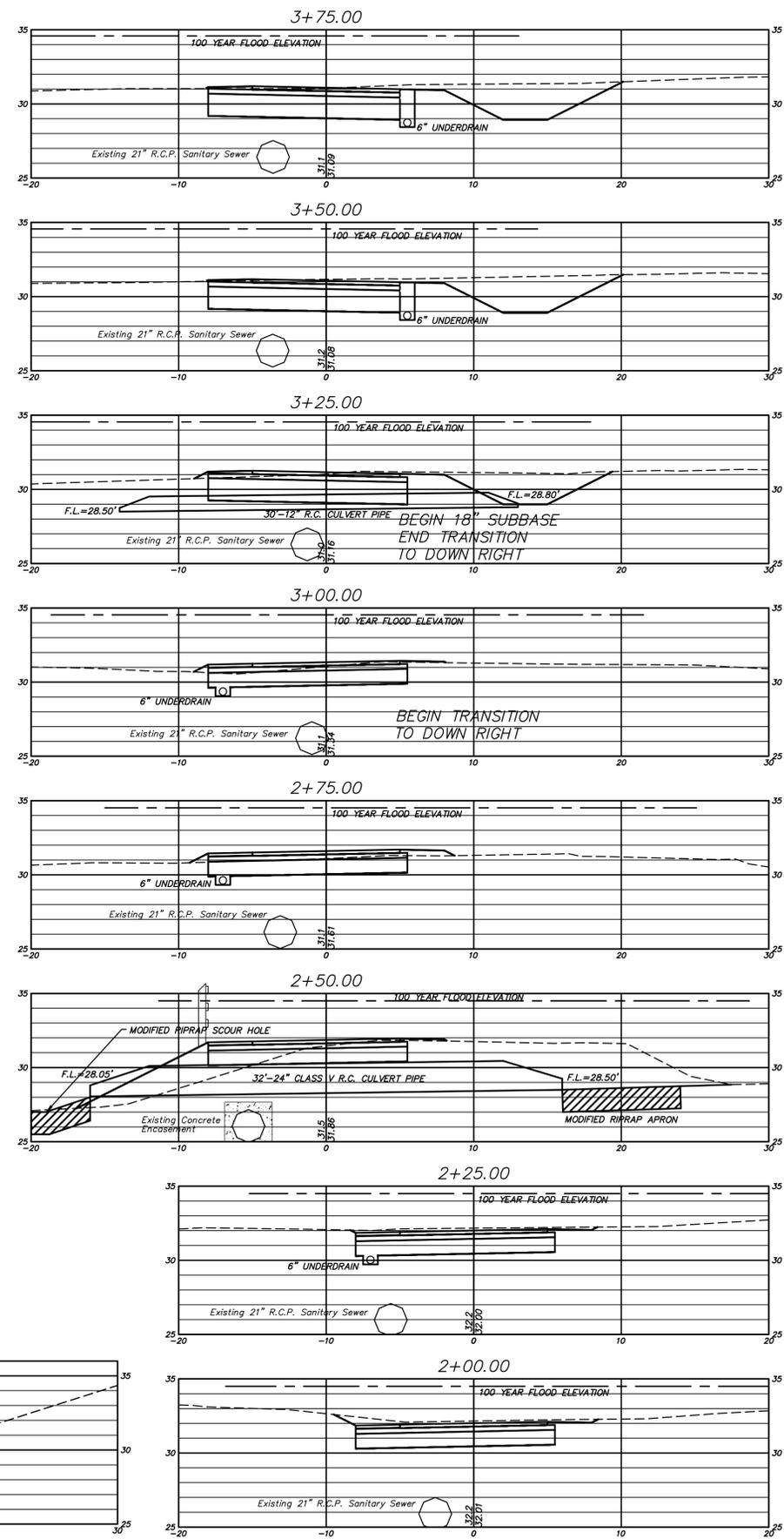
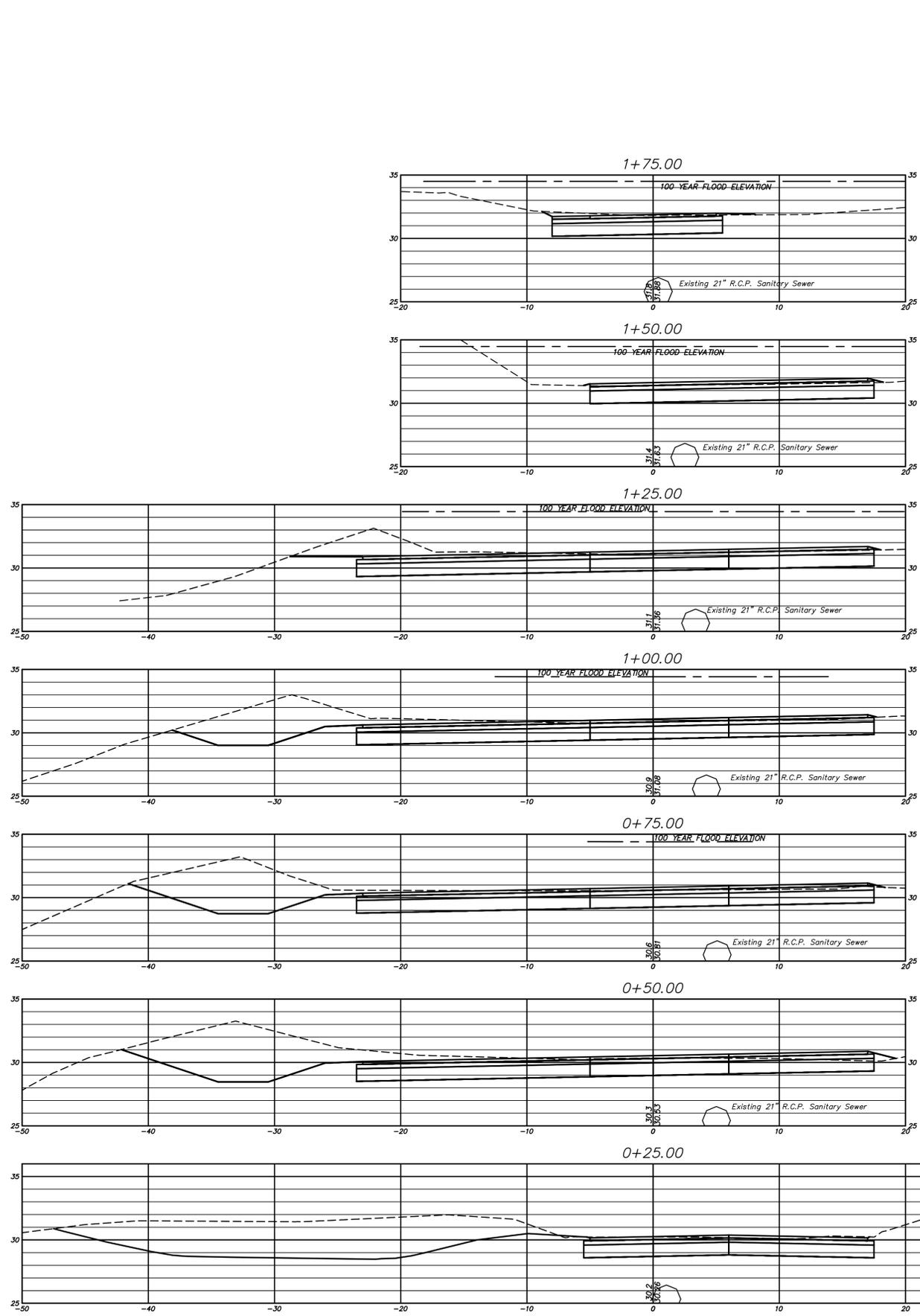
**PLAN AND PROFILE DEPICTING PROPOSED MULTI-USE PATH From HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT**

Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

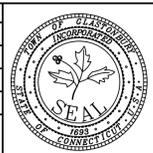
P.W. 1101

FILE: H:\Dwg\Streets\Western Blvd\PW-101 Multi Use Path Western to House Street - Boardwalk Alt. 3.dwg USER: Steven Troy DATE: 8/8/2019



SCALE:  
Horizontal 1"=5'  
Vertical 1"=5'

| DRAWING ISSUE STATUS |                              | SCALE: AS SHOWN | DATE:   |
|----------------------|------------------------------|-----------------|---|
| 4.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018  |
| 3.                   | 100% CONSTRUCTION SUBMISSION | 3-25-2019       | CHECKED BY: S.M.B. 6-20-2018  |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | APPROVED BY: D.A.P. 6-20-2018   |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       | ST. FILE:   |
| NO.                  | DESCRIPTION                  | DATE            | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE SHOWN ON THESE SHEETS. REVISIONS OF THIS ARE OF GLASTONBURY ENGINEERING OFFICE AT (860) 632-7135. |



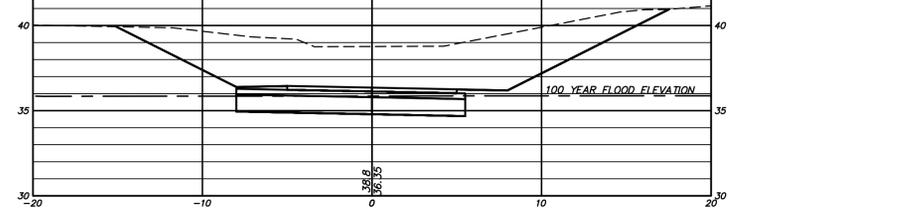
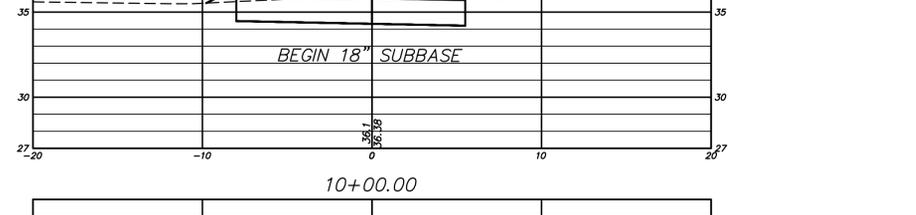
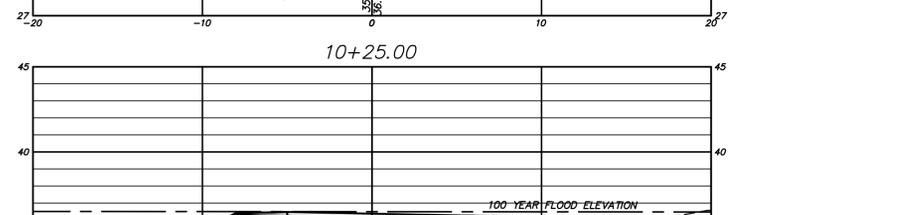
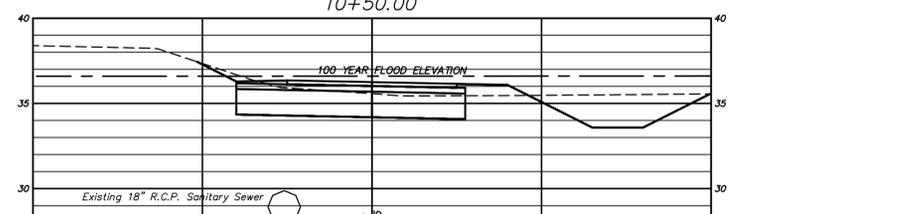
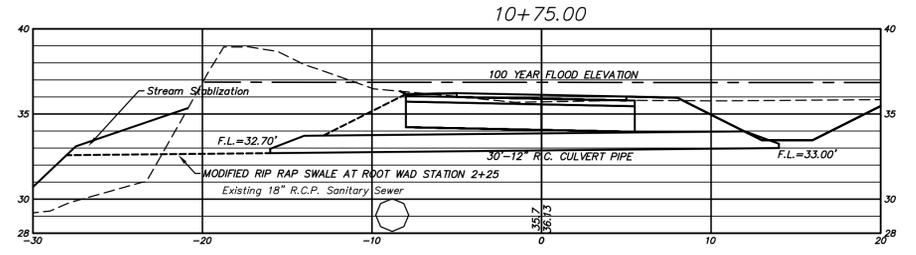
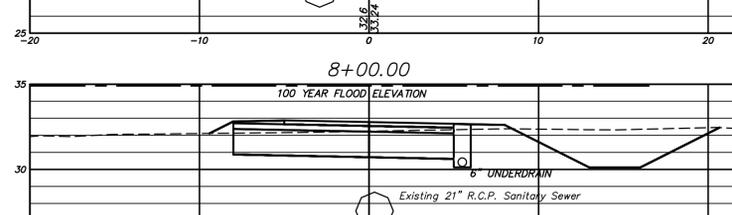
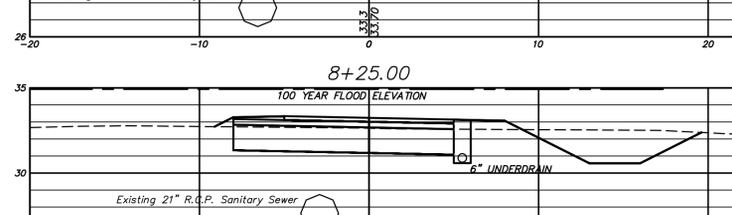
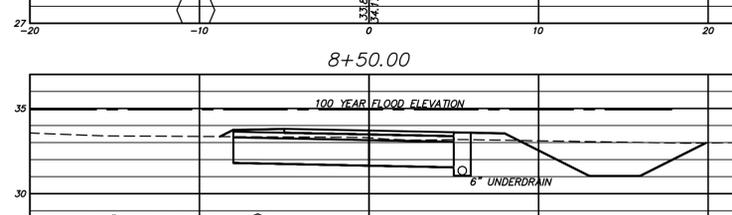
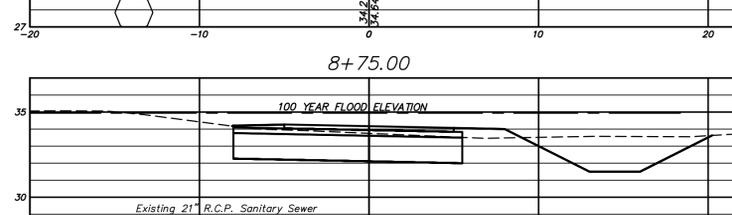
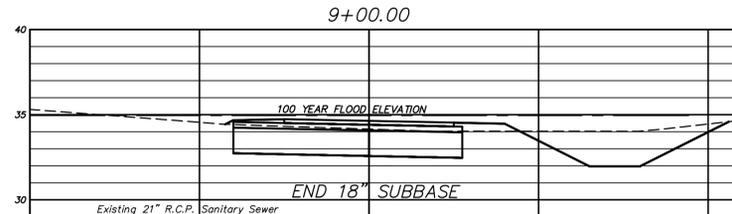
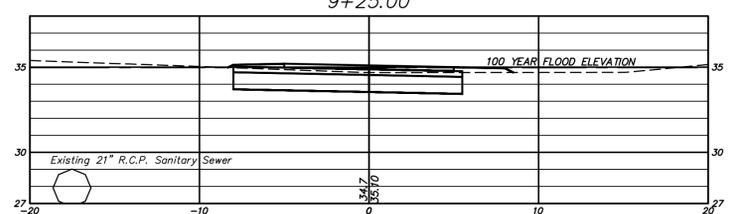
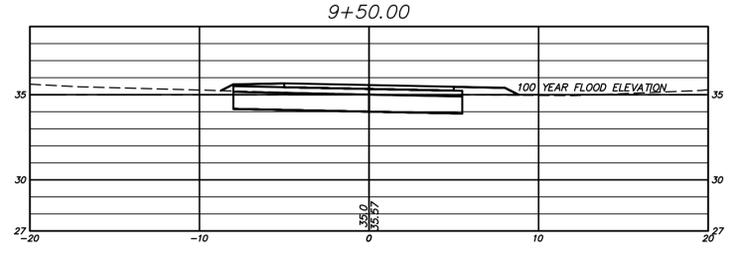
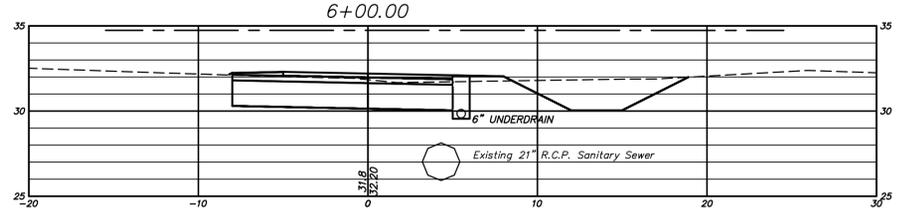
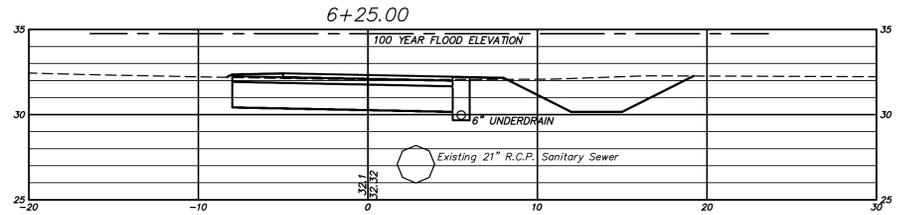
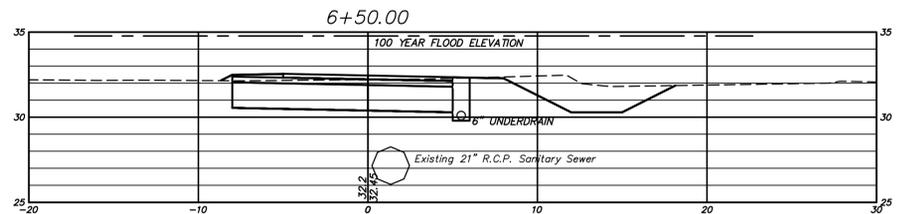
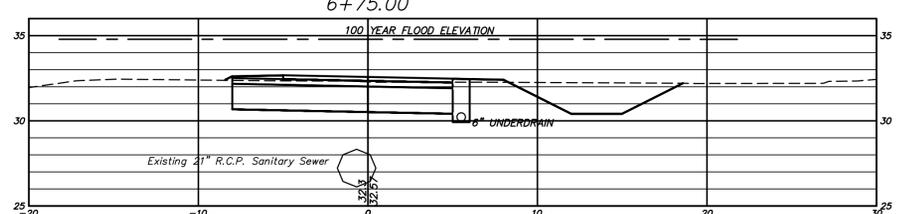
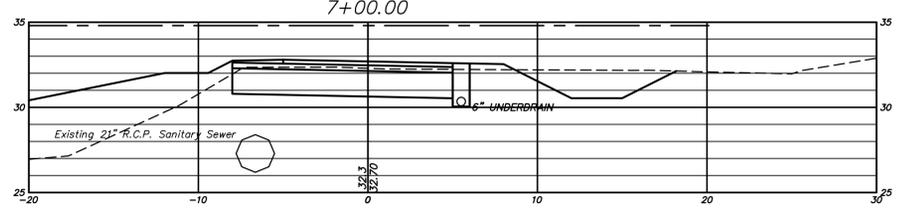
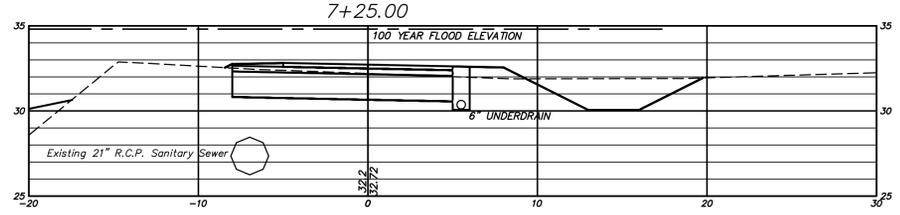
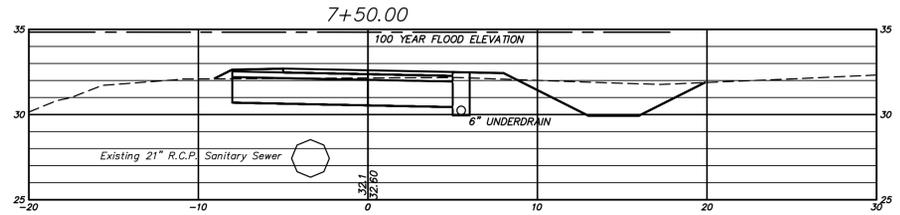
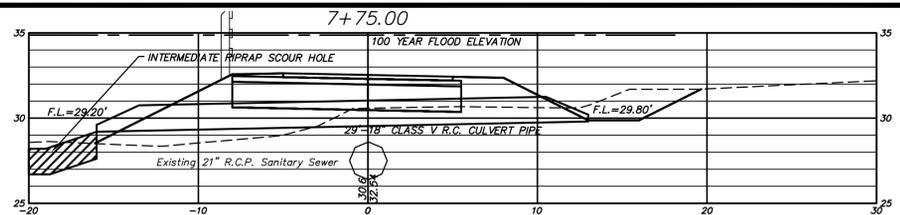
**SECTIONS DEPICTING  
PROPOSED MULTI-USE PATH  
FROM  
HOUSE STREET TO  
WESTERN BOULEVARD  
GLASTONBURY, CONNECTICUT**

SHEET NO.  
**10**  
OF 24

Certified to be substantially correct

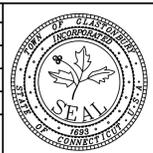
DANIEL A. PENNINGTON P.E. Reg. No. 20101

FILE: H:\DWG\Streets\Western Blvd\PW-1101 Multi Use Path Western to House Street - Boardwalk Alt. 3.dwg USER: Saver Troj DATE: 8/8/2019



SCALE:  
Horizontal 1"=5'  
Vertical 1"=5'

| DRAWING ISSUE STATUS |                              | SCALE: AS SHOWN | DATE:   |
|----------------------|------------------------------|-----------------|---|
| 4.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | DRAWN BY: S.Troj 6-20-2018  |
| 3.                   | 100% CONSTRUCTION SUBMISSION | 3-25-2019       | CHECKED BY: S.M.B. 6-20-2018  |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | APPROVED BY: D.A.P. 6-20-2018   |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       | ST. FILE:   |
| NO.                  | DESCRIPTION                  | DATE            | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE SHOWN ON THE LEFT MARGIN. IF THERE ARE ANY DISCREPANCIES OR QUESTIONS CONTACT THE TOWN OF GLASTONBURY ENGINEERING OFFICE AT (860) 632-7135. |



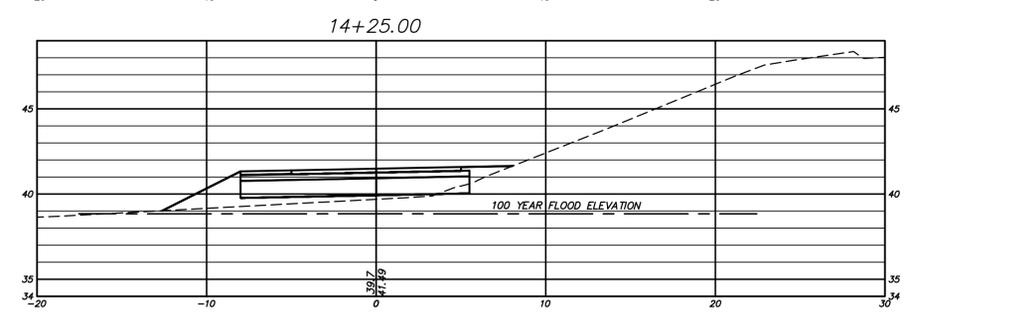
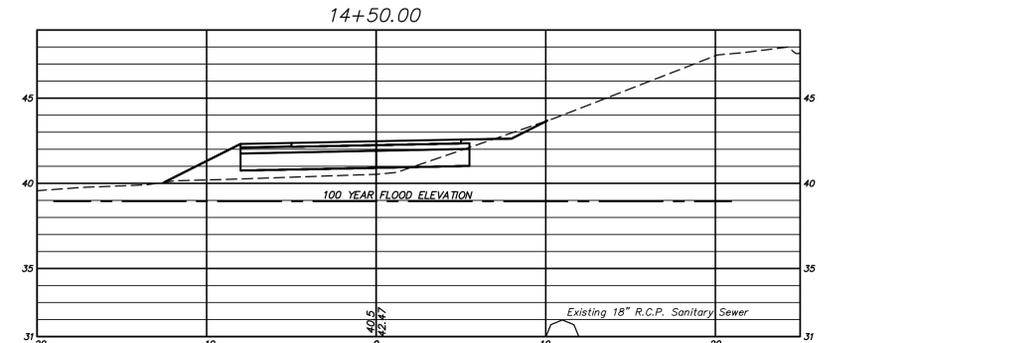
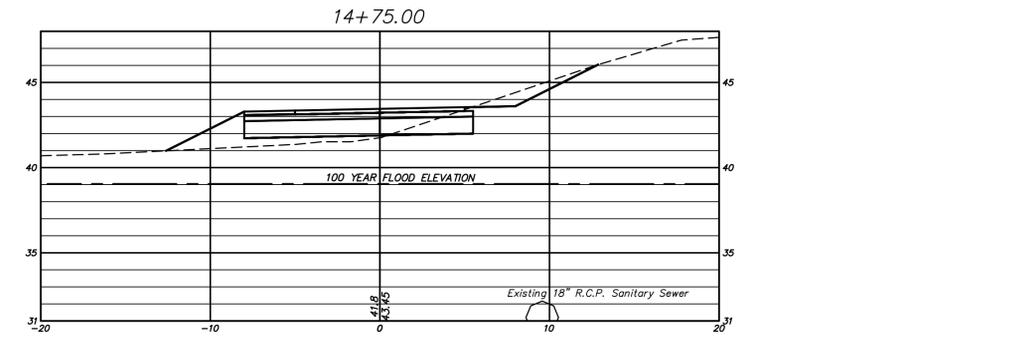
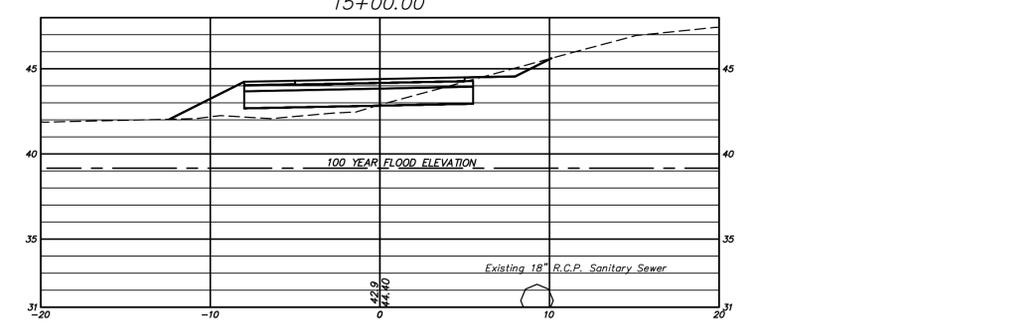
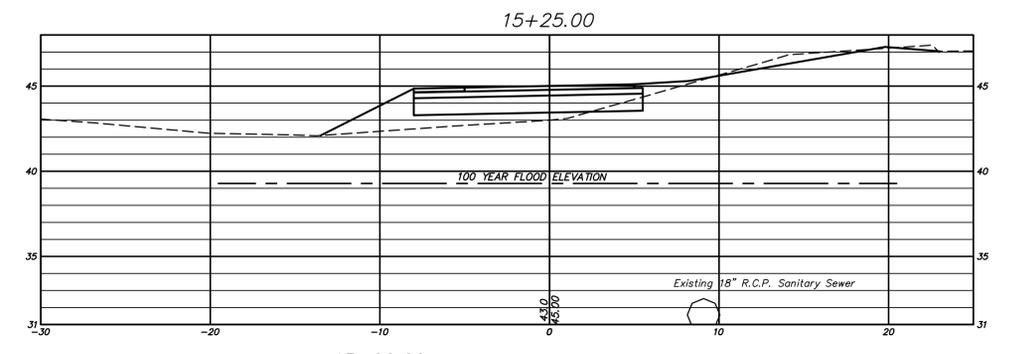
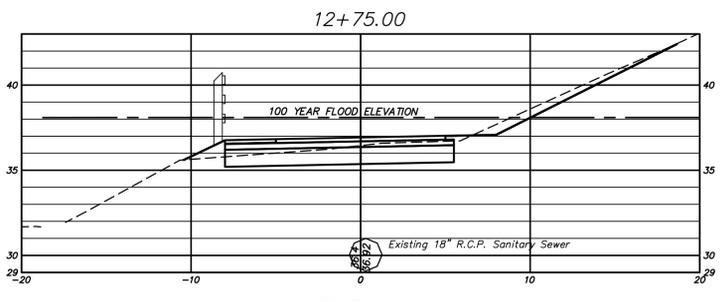
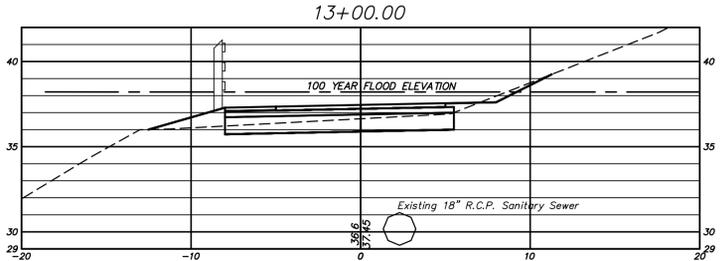
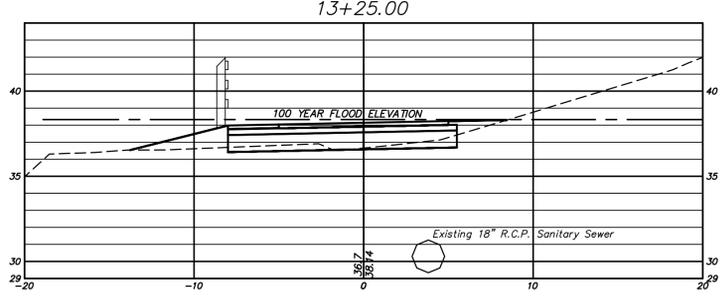
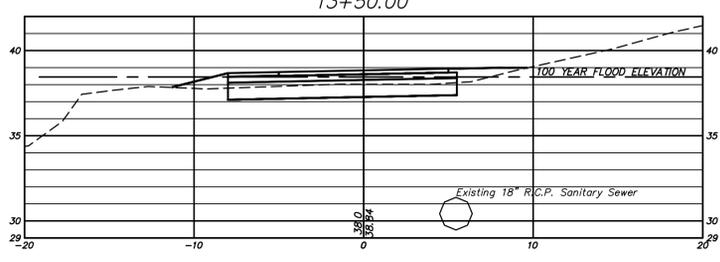
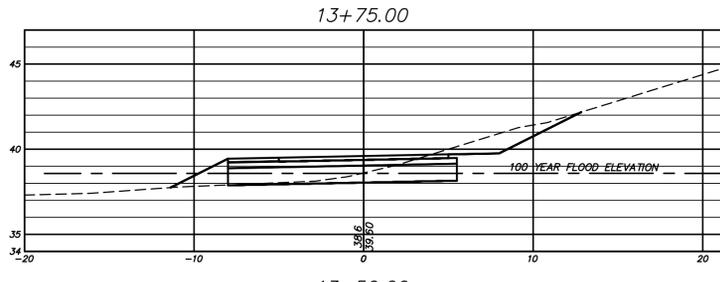
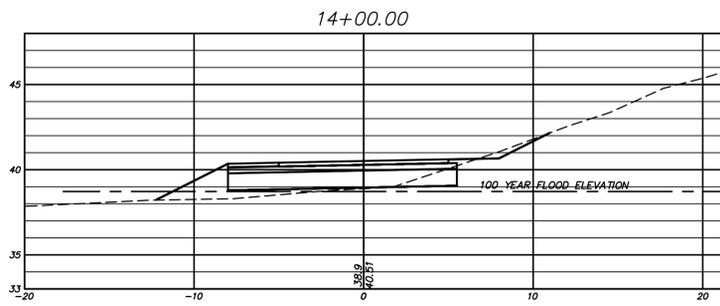
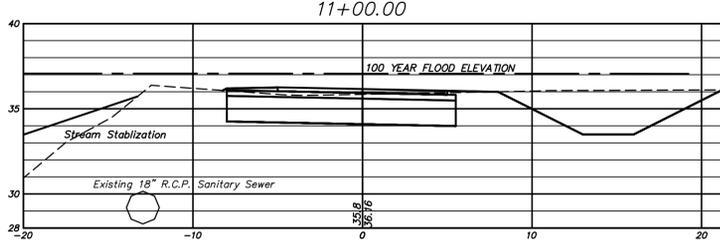
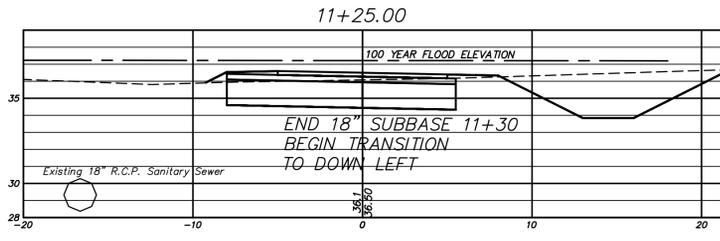
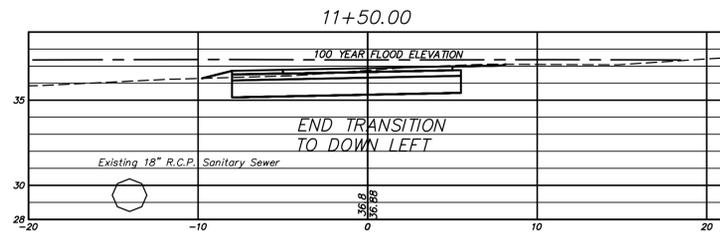
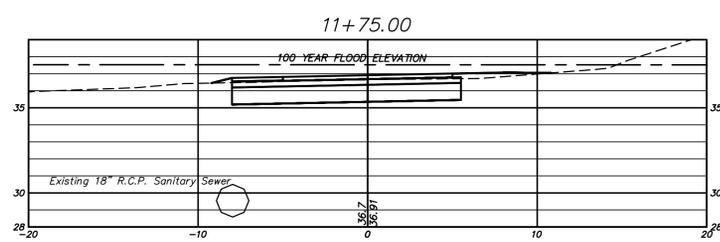
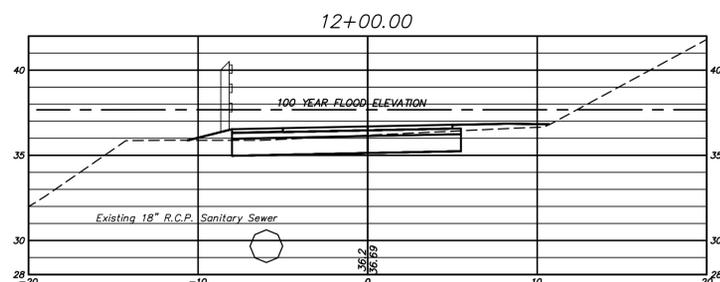
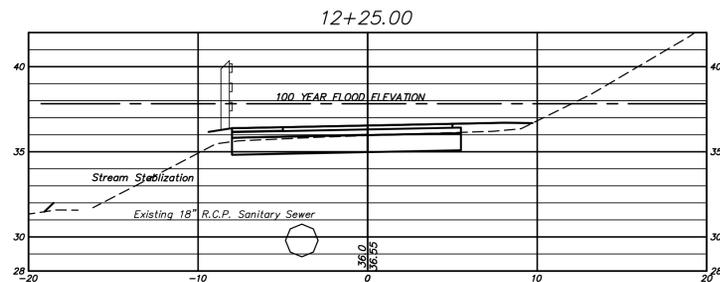
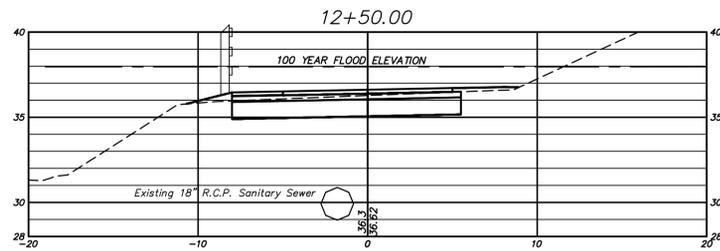
**SECTIONS DEPICTING  
PROPOSED MULTI-USE PATH  
FROM  
HOUSE STREET TO  
WESTERN BOULEVARD  
GLASTONBURY, CONNECTICUT**

SHEET NO.  
**11**  
OF 24

Certified to be substantially correct

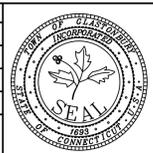
DANIEL A. PENNINGTON P.E. Reg. No. 20101

FILE: H:\DWG\Streets\Western Blvd\PW-1101 Multi Use Path Western to House Street - Boardwalk Alt. 3.dwg USER: Steven Troy DATE: 8/8/2019



SCALE:  
Horizontal 1"=5'  
Vertical 1"=5'

| DRAWING ISSUE STATUS |                              | SCALE: AS SHOWN | DATE:  |
|----------------------|------------------------------|-----------------|--|
| 4.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018   |
| 3.                   | 100% CONSTRUCTION SUBMISSION | 3-25-2019       | CHECKED BY: S.M.B. 6-20-2018   |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | APPROVED BY: D.A.P. 6-20-2018  |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       | ST. FILE:  |
| NO.                  | DESCRIPTION                  | DATE            | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE. SHOW ON THE LEFT MARGIN. IF THERE ARE ANY DISCREPANCIES ENGINEERING OFFICE AT (860) 632-7732. |



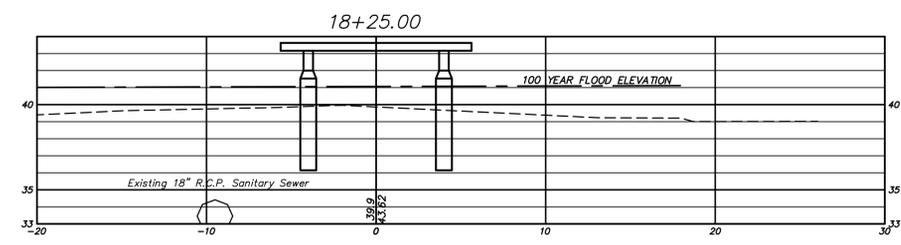
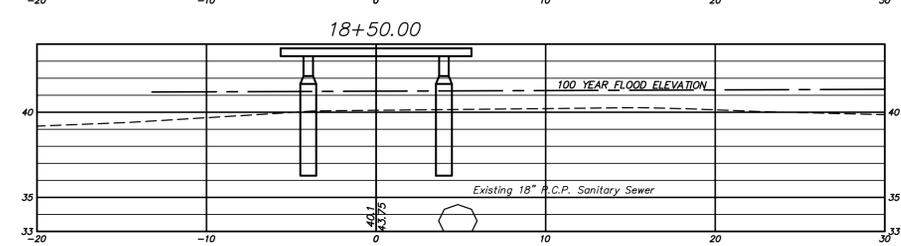
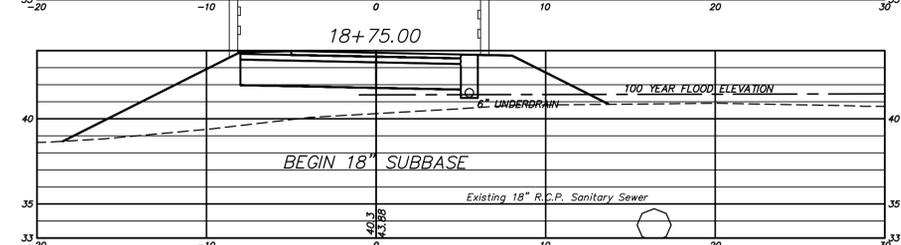
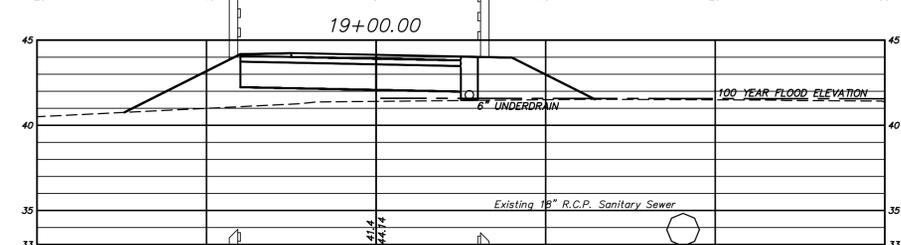
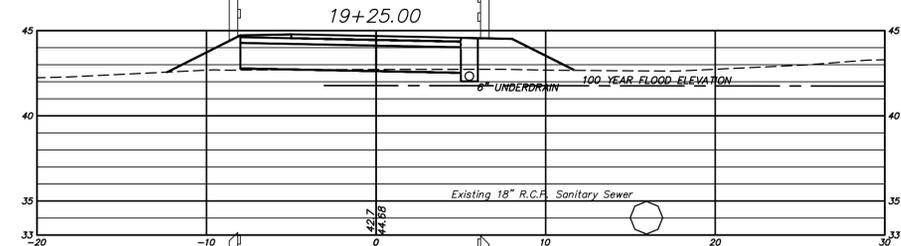
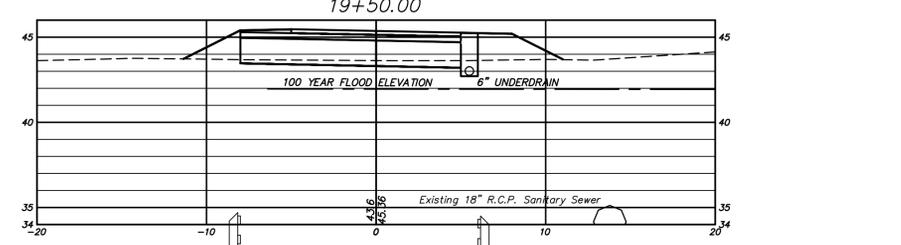
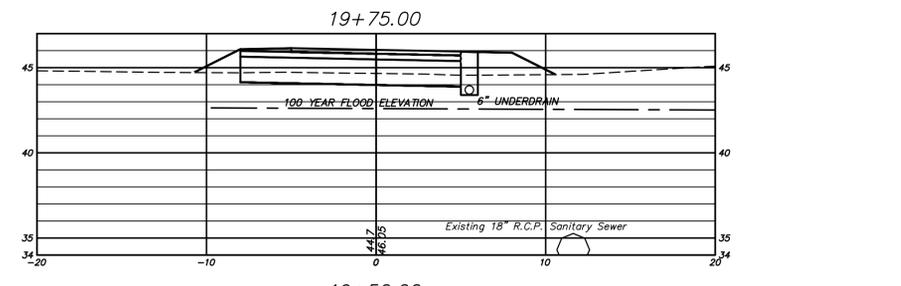
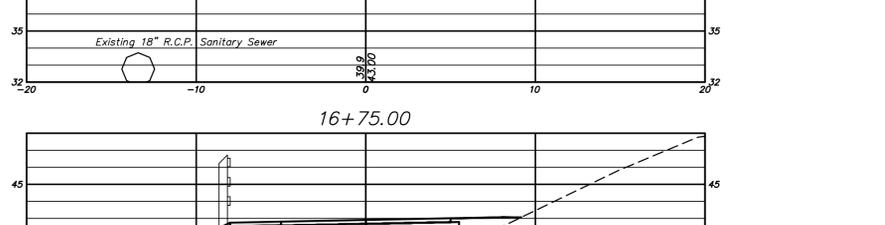
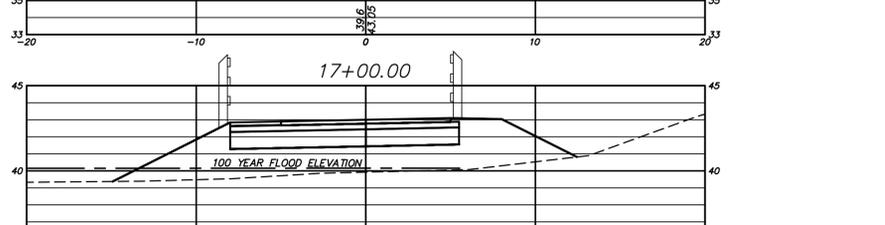
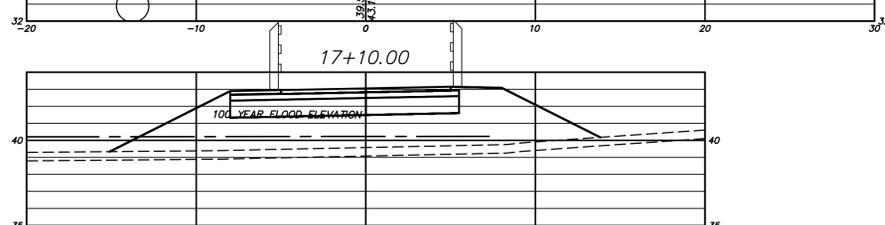
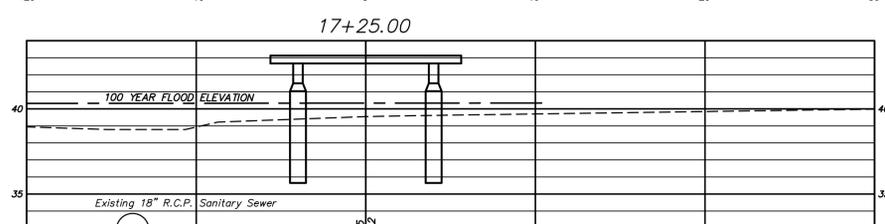
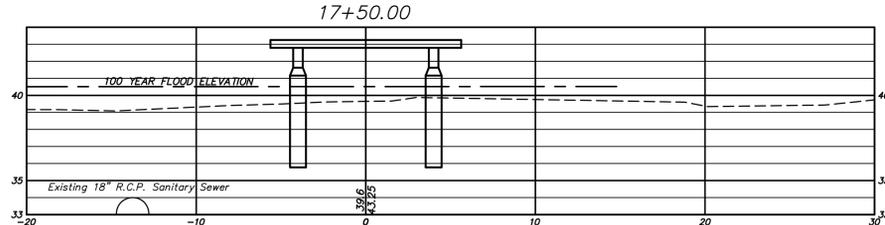
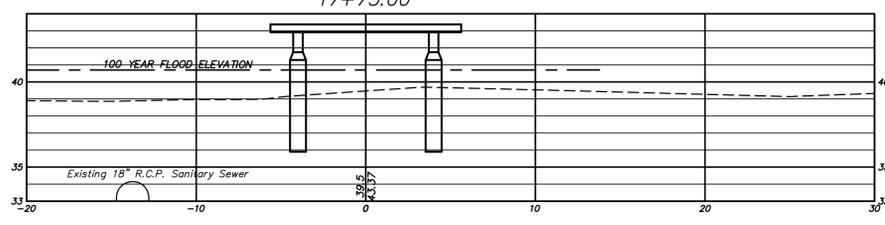
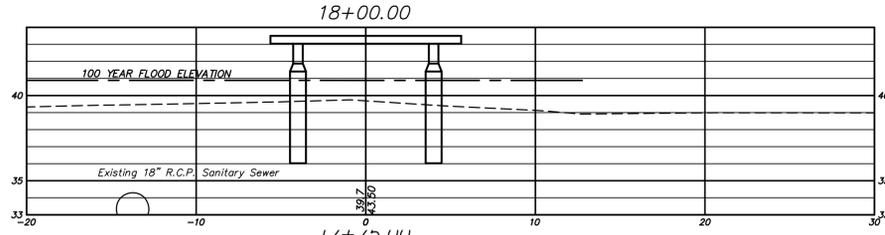
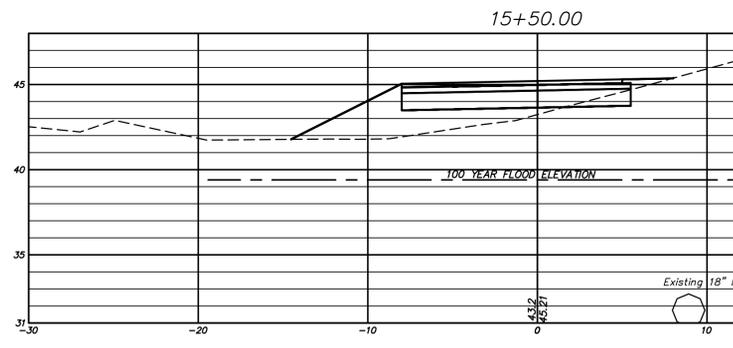
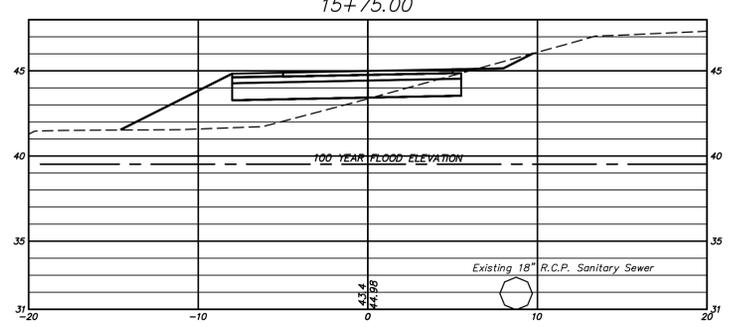
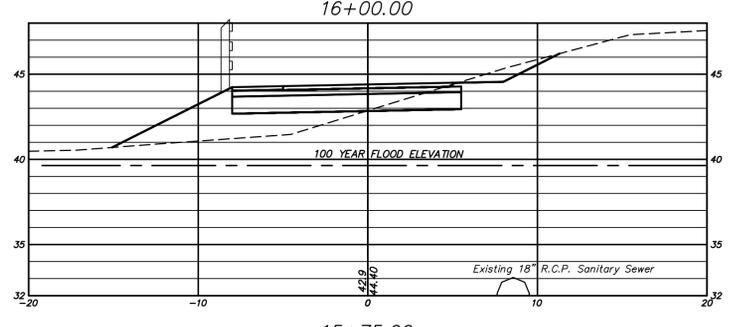
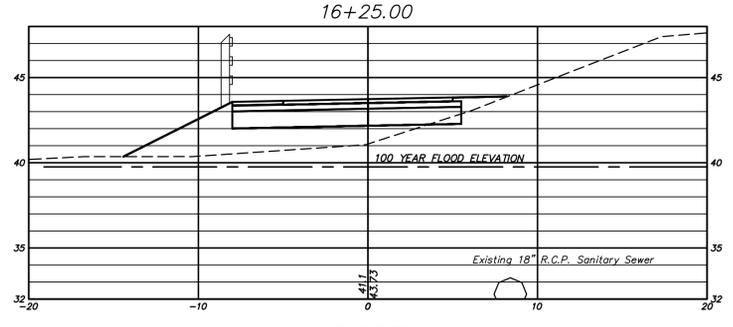
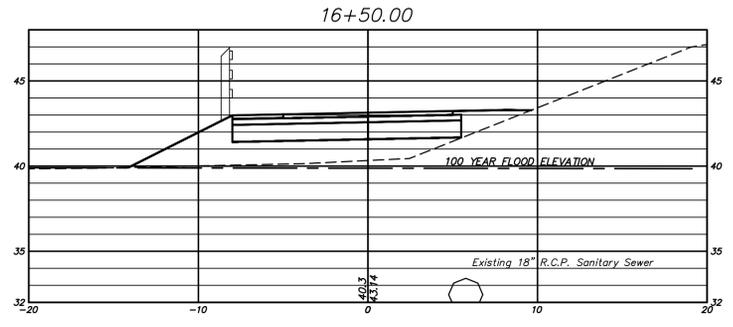
**SECTIONS DEPICTING  
PROPOSED MULTI-USE PATH  
FROM  
HOUSE STREET TO  
WESTERN BOULEVARD  
GLASTONBURY, CONNECTICUT**

SHEET NO.  
**12**  
OF 24

Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

FILE: H:\DWG\Streets\Western Blvd\PW-1101 Multi Use Path Western to House Street - Boardwalk Alt. 3.dwg USER: S.Troy DATE: 8/2/19

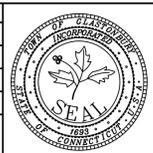


SCALE:  
Horizontal 1"=5'  
Vertical 1"=5'

Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

| DRAWING ISSUE STATUS |                              | SCALE: AS SHOWN | DATE:  |
|----------------------|------------------------------|-----------------|--|
| 4.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018   |
| 3.                   | 100% CONSTRUCTION SUBMISSION | 3-25-2019       | CHECKED BY: S.M.B. 6-20-2018   |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | APPROVED BY: D.A.P. 6-20-2018  |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       | ST. FILE:  |
| NO.                  | DESCRIPTION                  | DATE            | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE. SHOW ALL REVISIONS. CONTACT THE ENGINEER AT (860) 632-7135. |



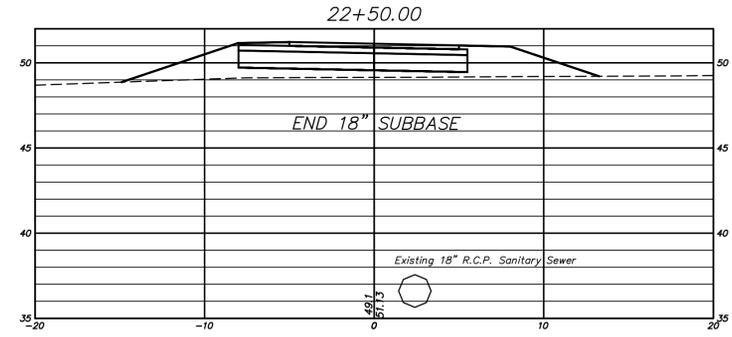
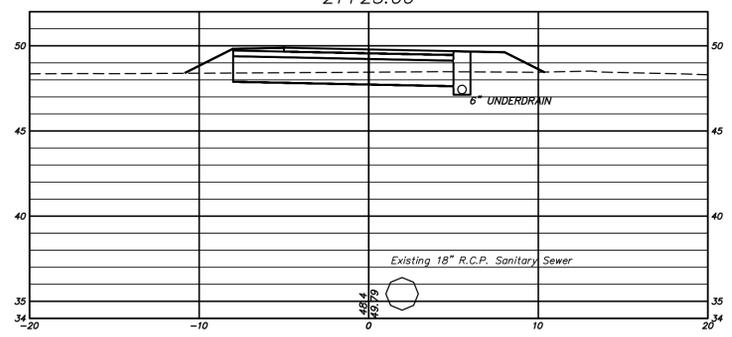
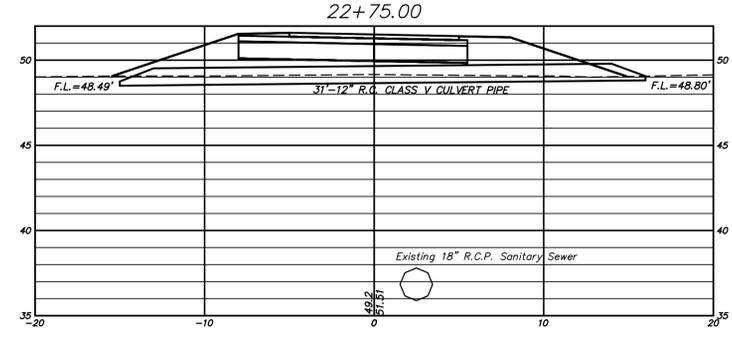
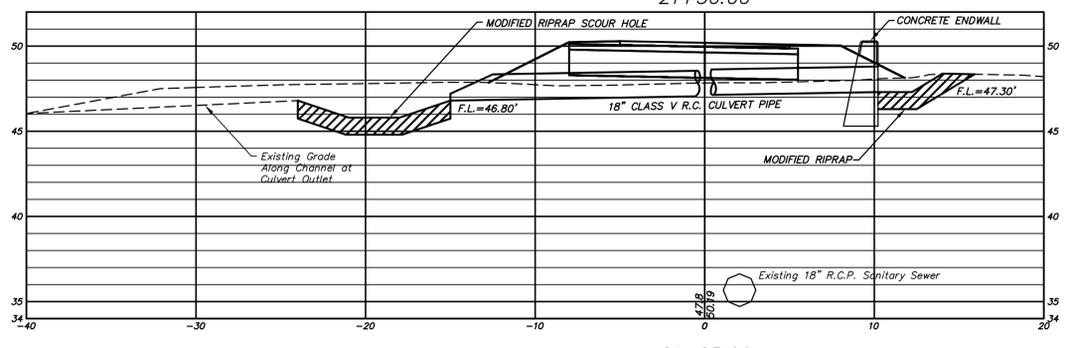
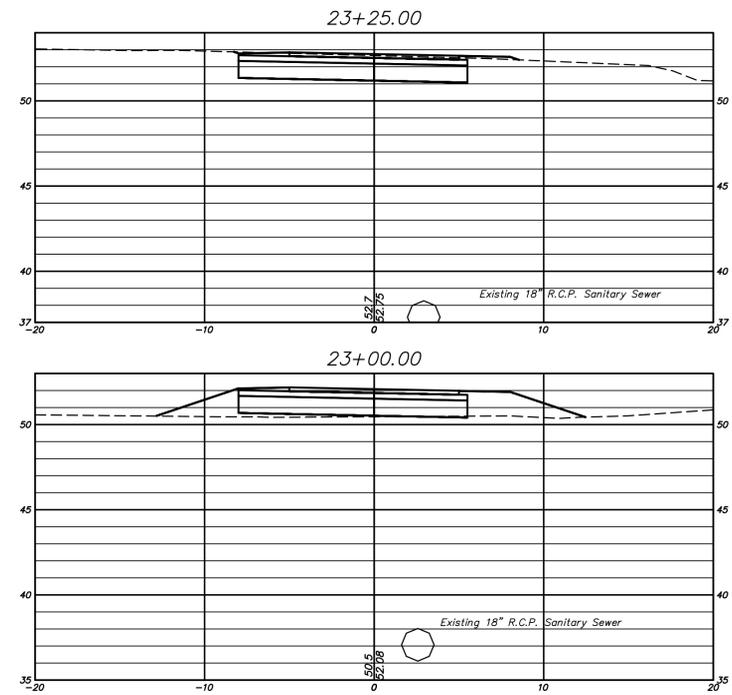
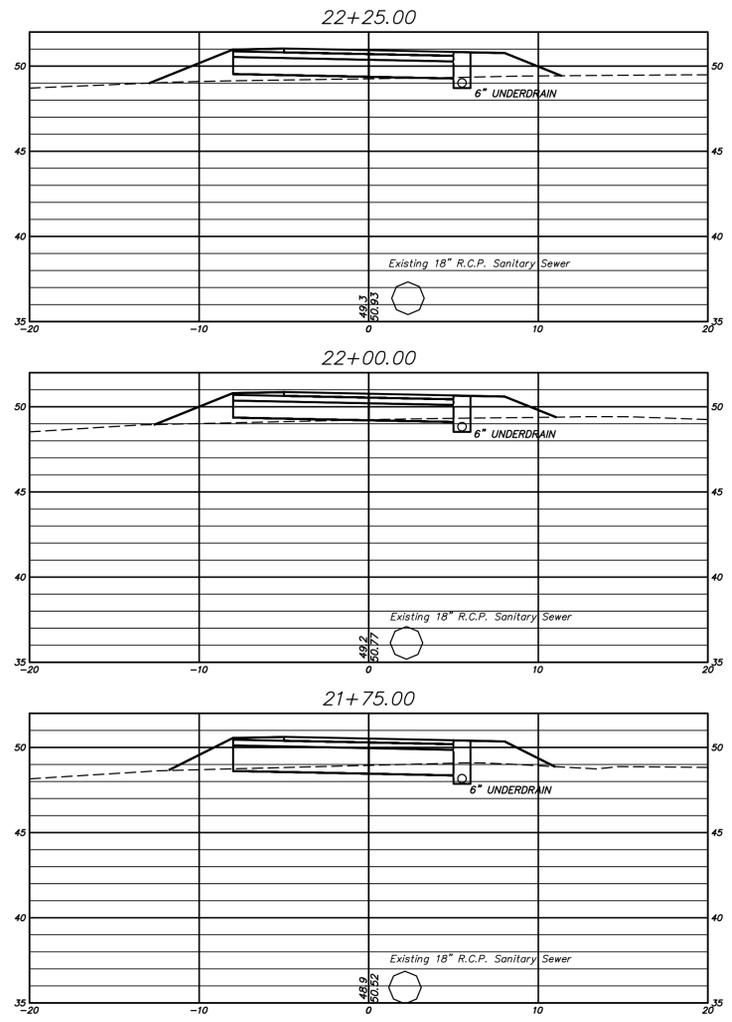
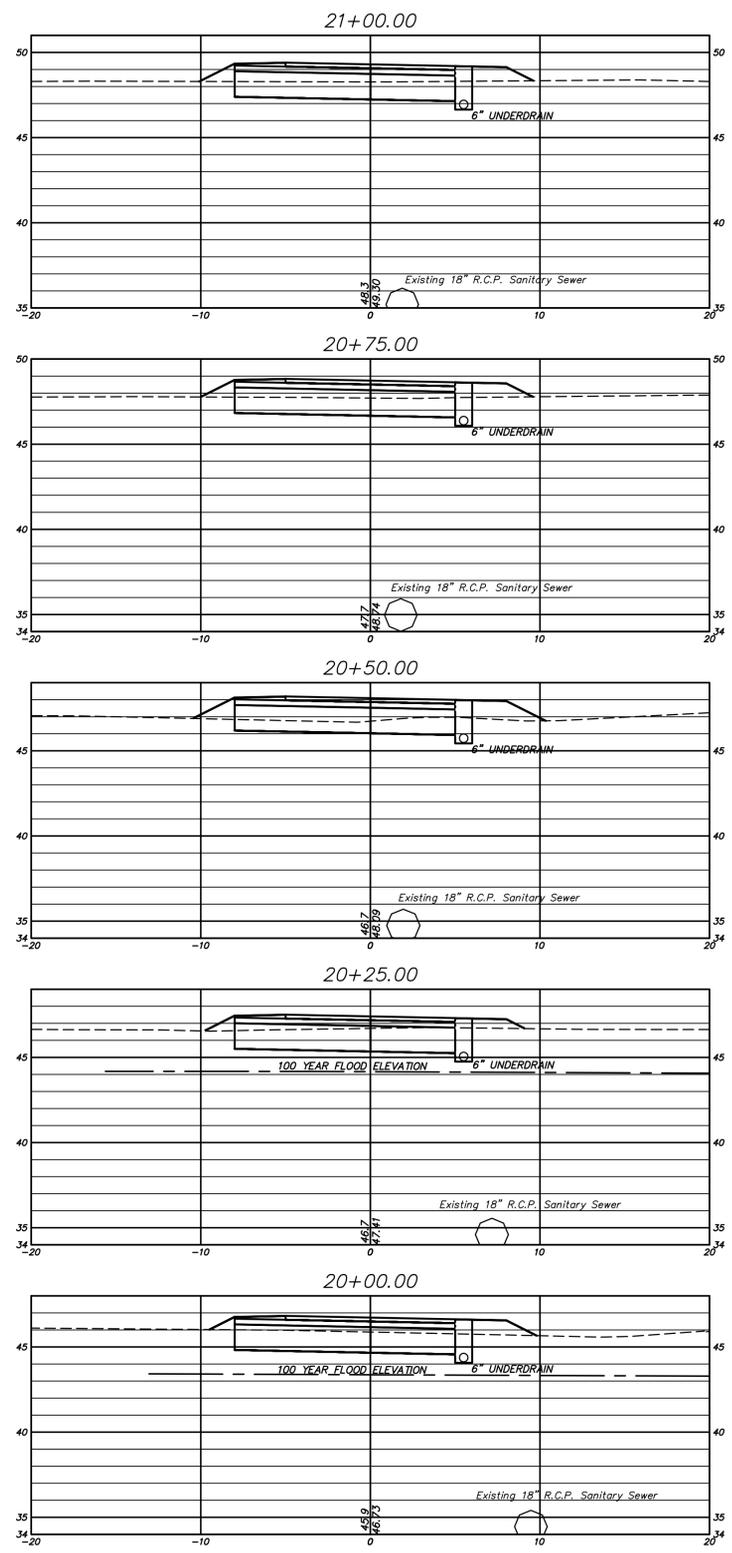
**SECTIONS DEPICTING  
PROPOSED MULTI-USE PATH  
FROM  
HOUSE STREET TO  
WESTERN BOULEVARD  
GLASTONBURY, CONNECTICUT**

SHEET NO.

**13**

OF 24

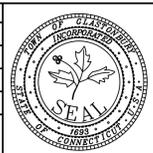
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SCALE:  
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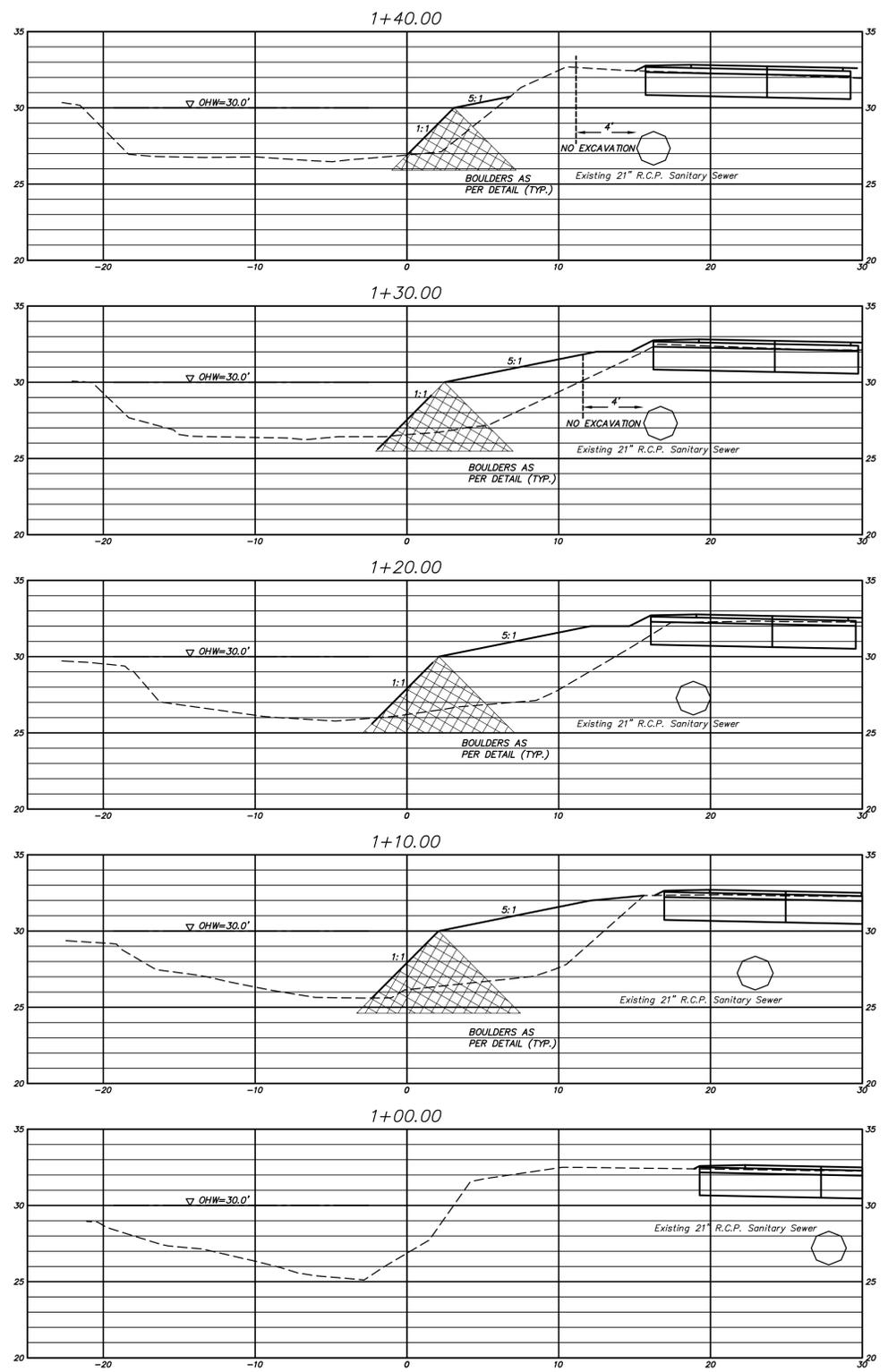
Certified to be substantially correct  
DANIEL A. PENNINGTON P.E. Reg. No. 20101

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| 3.                   | 100% CONSTRUCTION SUBMISSION | 3-25-2019       | CHECKED BY: S.M.B. 6-20-2018   |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | APPROVED BY: D.A.P. 6-20-2018  |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       | ST. FILE:  |
| NO.                  | DESCRIPTION                  | DATE            | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE. SHOW ALL REVISIONS IN THE LEFT MARGIN. IF THERE ARE ANY DISCREPANCIES OR QUESTIONS, CONTACT THE FIRM OF GLASTONBURY ENGINEERING OFFICE AT (860) 632-7735. |

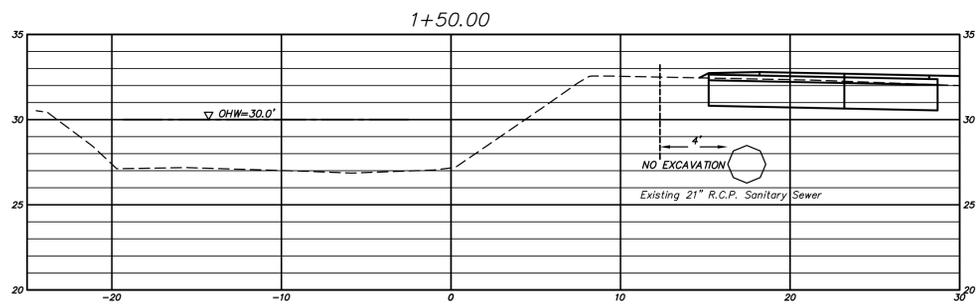
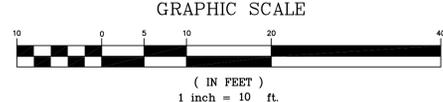
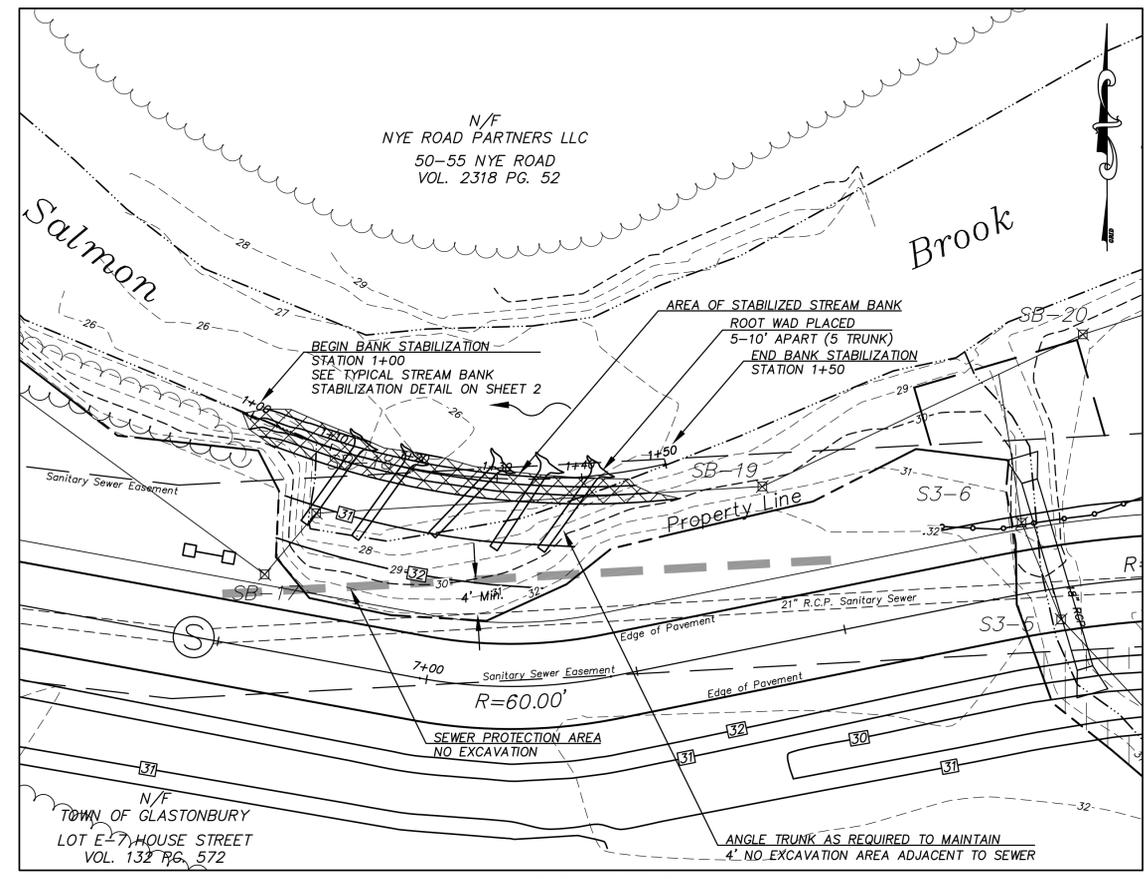


**SECTIONS DEPICTING  
PROPOSED MULTI-USE PATH  
FROM  
HOUSE STREET TO  
WESTERN BOULEVARD  
GLASTONBURY, CONNECTICUT**

FILE: H:\DWG\Streets\Western Blvd\PW-1101 Multi Use Path Western to House Street - Broadbank A/E - J.L.dwg USER: Steven Troy DATE: 8/13/2019



SCALE:  
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Vertical 1"=5'

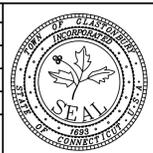


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DANIEL A. PENNINGTON P.E. Reg. No. 20101

P.W. 1101

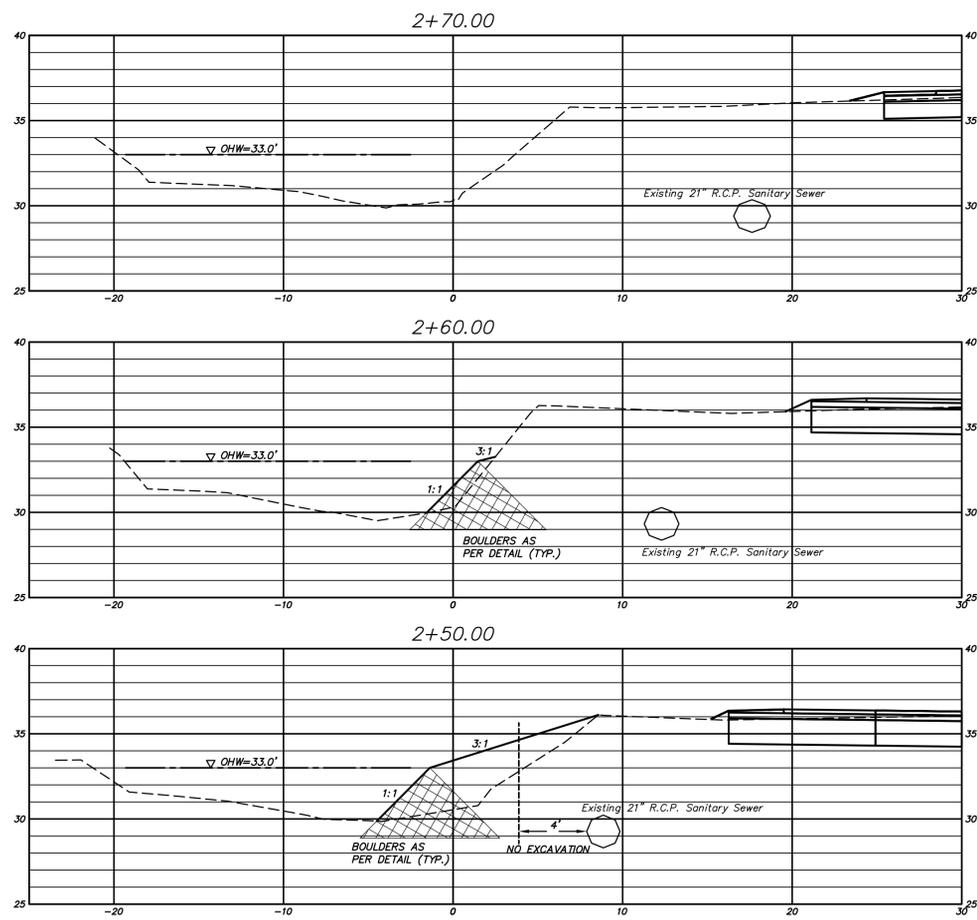
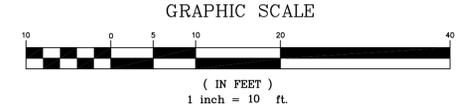
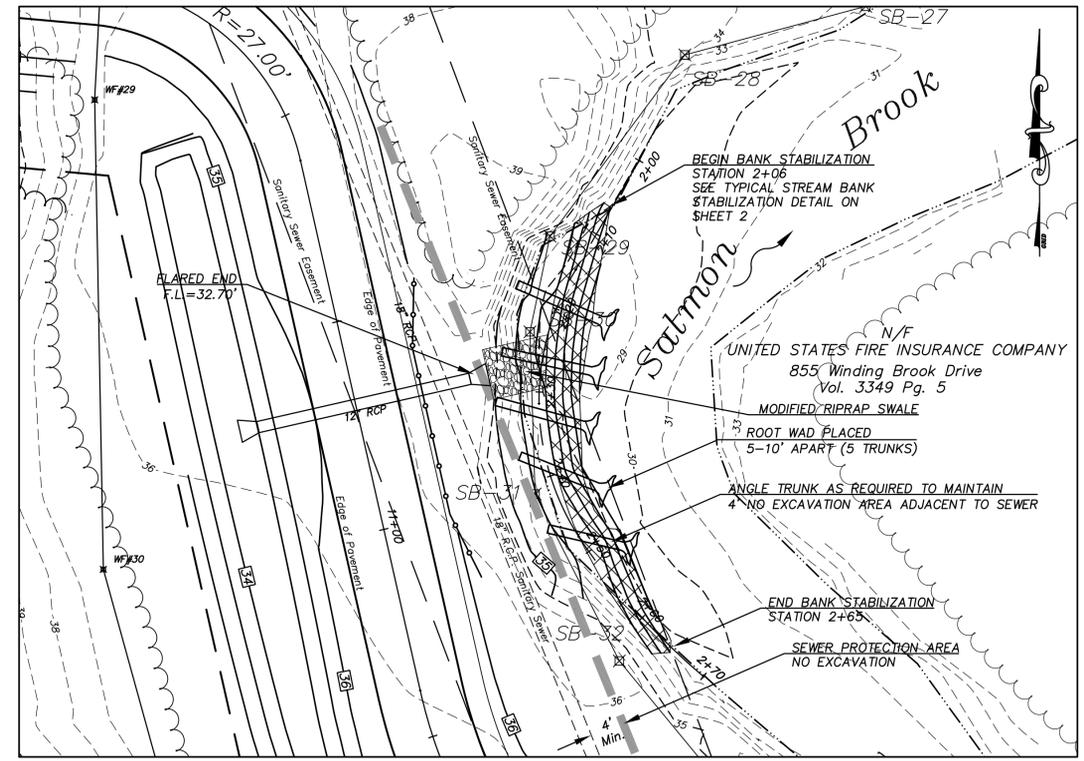
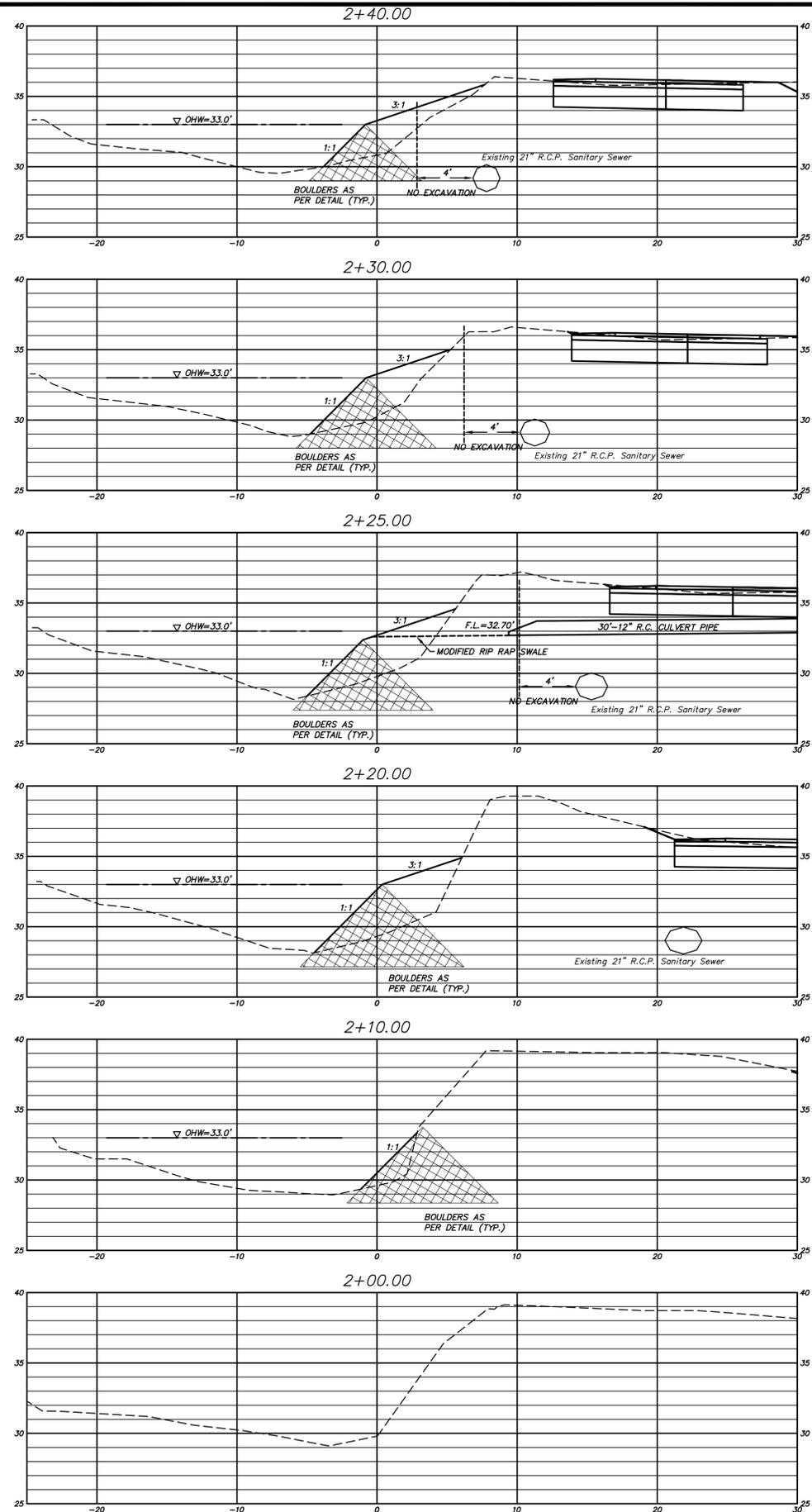
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| 5.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018   |
| 4.                   | 100% CONSTRUCTION SUBMISSION | 3-25-2019       | CHECKED BY: S.M.B. 6-20-2018   |
| 3.                   | CT DEEP FISHERIES COMMENTS   | 10-10-2018      | APPROVED BY: D.A.P. 6-20-2018  |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | ST. FILE:  |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE SHOWN ON LEFT MARGIN OF THE DRAWING. IF ANY DISCREPANCIES OR QUESTIONS CONTACT THE TOWN OF GLASTONBURY ENGINEERING OFFICE AT (860) 632-7735. |
| NO.                  | DESCRIPTION                  | DATE            |  |



**SITE 1  
ROOT WAD STREAM BANK  
STABILIZATION  
AT  
SALMON BROOK  
GLASTONBURY, CONNECTICUT**

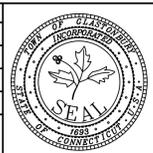
SHEET NO.  
**15**  
OF 24

FILE: H:\DWG\Strech\Wescom Blvd\PW-1101 Multi Use Path Western to House Street - Barchawk Aft. 3.dwg USER: Steven Troy DATE: 8/13/2019



SCALE:  
Horizontal 1"=5'  
Vertical 1"=5'

| DRAWING ISSUE STATUS |                              | SCALE: AS SHOWN | DATE:                         |
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| 5.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018    |
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| 3.                   | CT DEEP FISHERIES COMMENTS   | 10-10-2018      | APPROVED BY: D.A.P. 6-20-2018 |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | ST. FILE:                     |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       |                               |
| NO.                  | DESCRIPTION                  | DATE            |                               |



**SITE 2**  
**ROOT WAD STREAM BANK**  
**STABILIZATION**  
**AT**  
**SALMON BROOK**  
**GLASTONBURY, CONNECTICUT**

SHEET NO.  
**16**  
OF 24

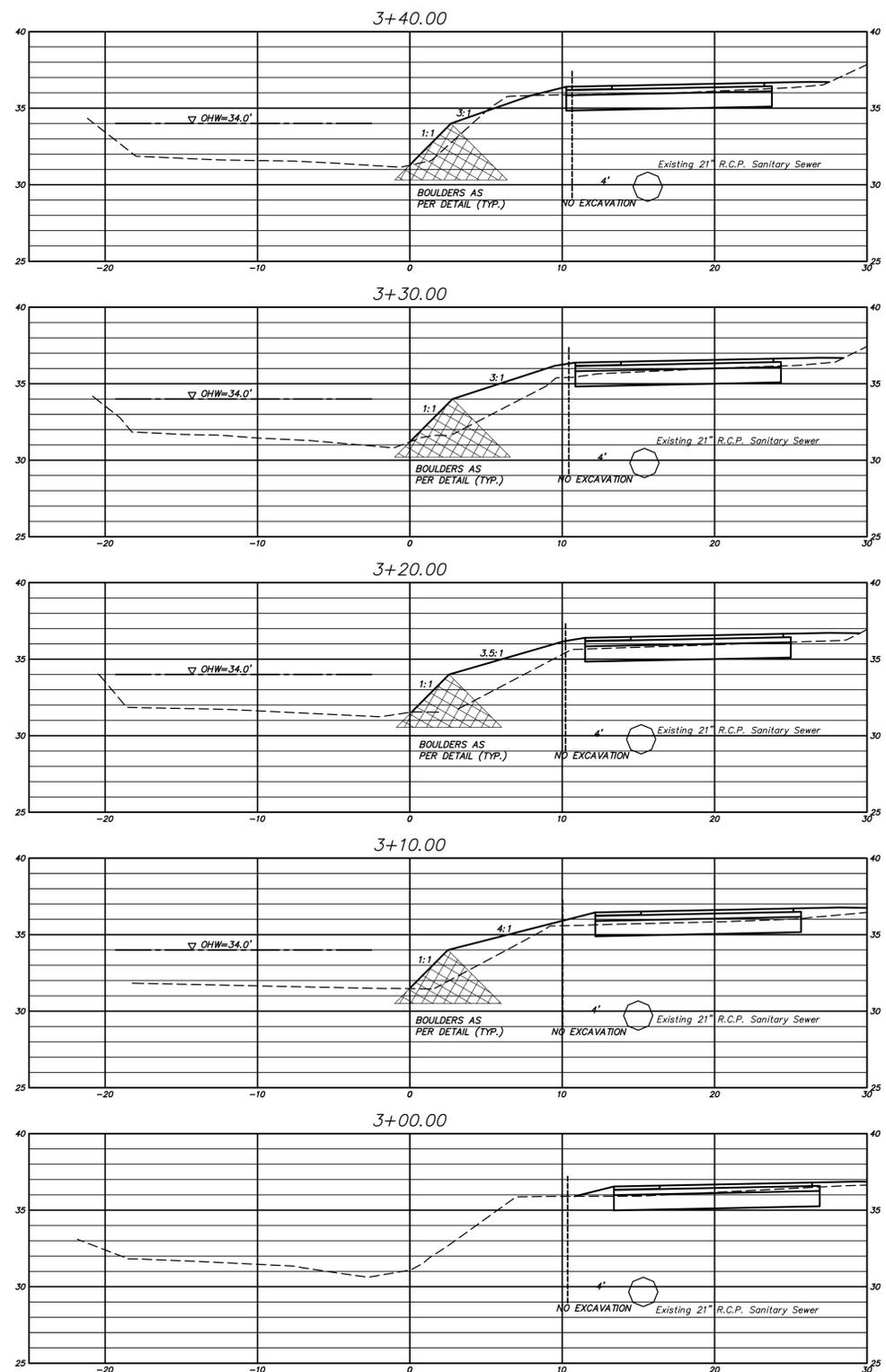
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DANIEL A. PENNINGTON P.E. Reg. No. 20101

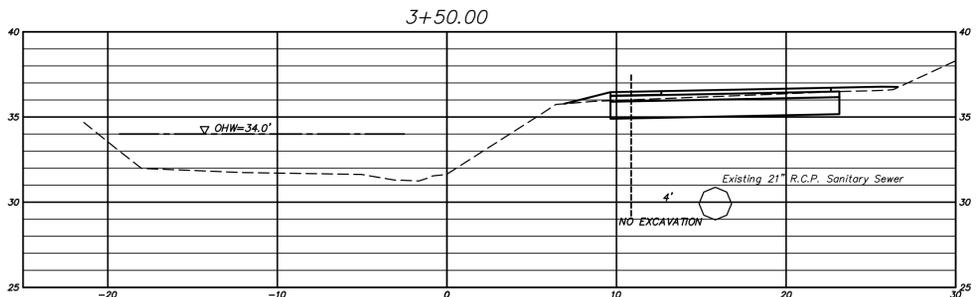
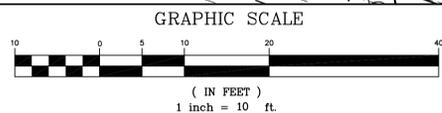
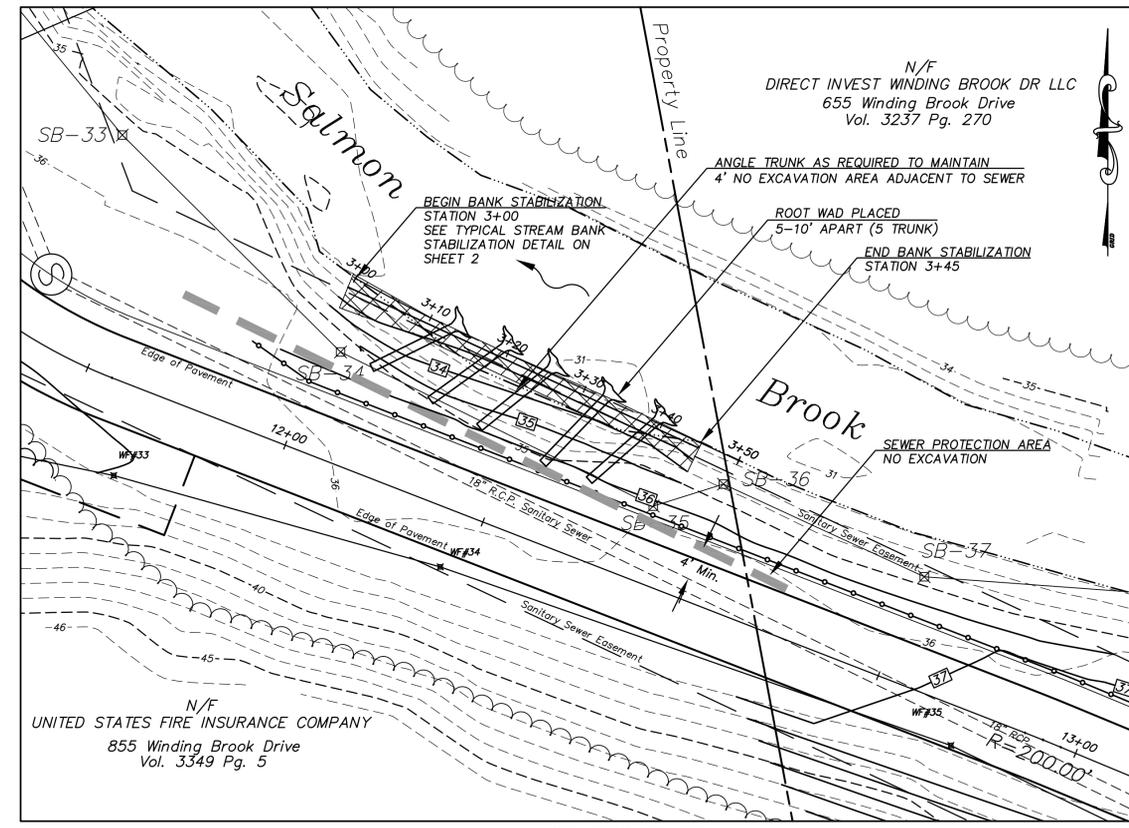
P.W. 1101

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FILE: H:\DWG\Streets\Western Brook\PW-101 Multi Use Path Western to House Street - Brookbank.dwg USER: Steven Troy DATE: 8/13/2019



SCALE:  
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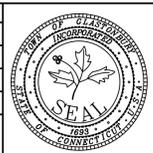


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DANIEL A. PENNINGTON P.E. Reg. No. 20101

P.W. 1101

| DRAWING ISSUE STATUS |                              | SCALE: AS SHOWN | DATE:                         |
|----------------------|------------------------------|-----------------|-------------------------------|
| 5.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018    |
| 4.                   | 100% CONSTRUCTION SUBMISSION | 3-25-2019       | CHECKED BY: S.M.B. 6-20-2018  |
| 3.                   | CT DEEP FISHERIES COMMENTS   | 10-10-2018      | APPROVED BY: D.A.P. 6-20-2018 |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | ST. FILE:                     |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       |                               |
| NO.                  | DESCRIPTION                  | DATE            |                               |



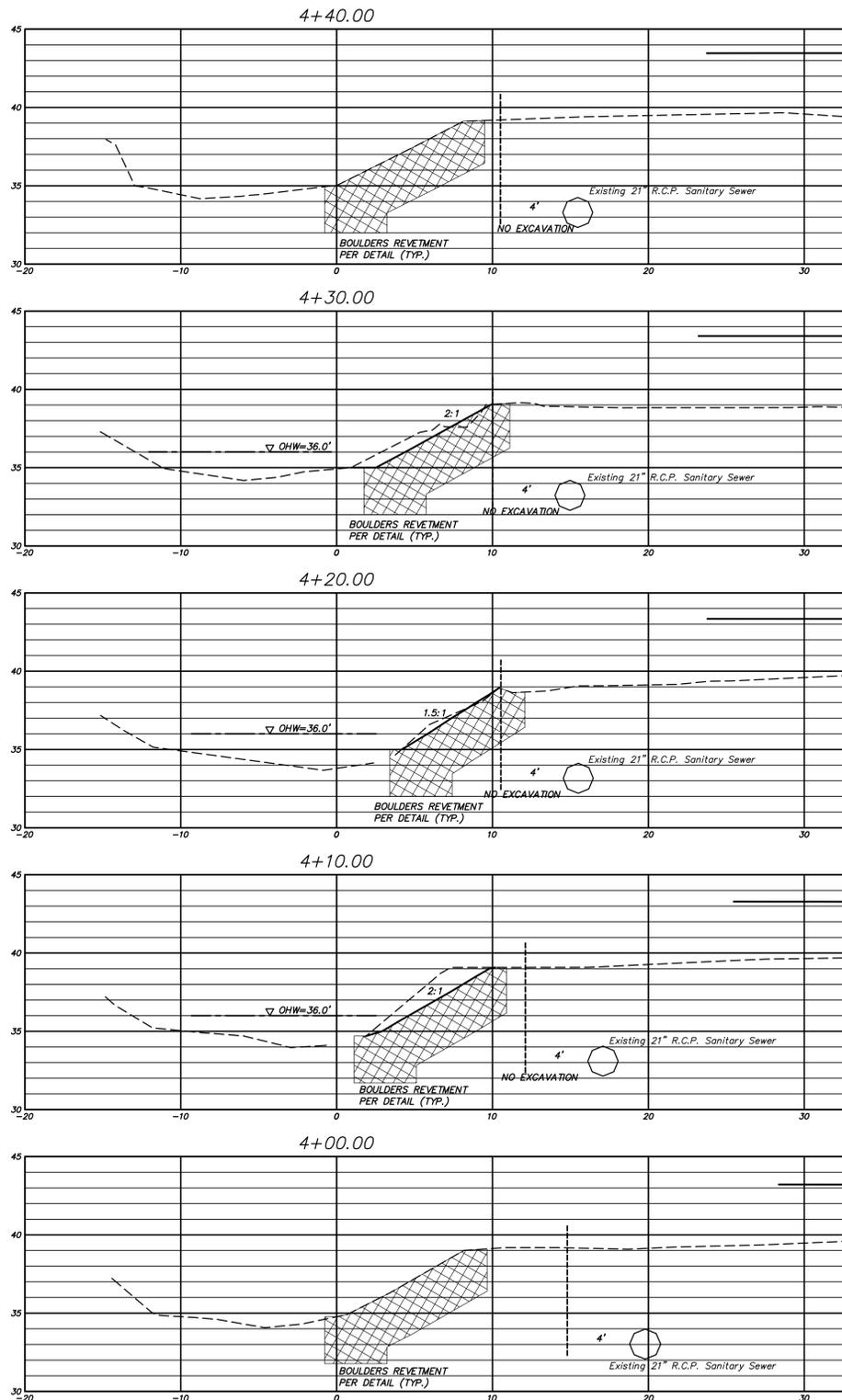
**SITE 3  
ROOT WAD STREAM BANK  
STABILIZATION  
AT  
SALMON BROOK  
GLASTONBURY, CONNECTICUT**

SHEET NO.

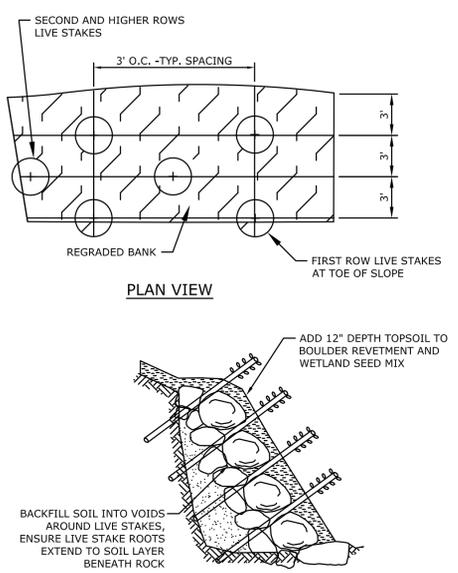
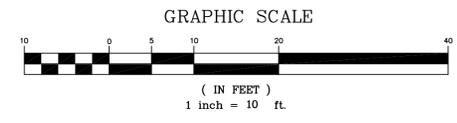
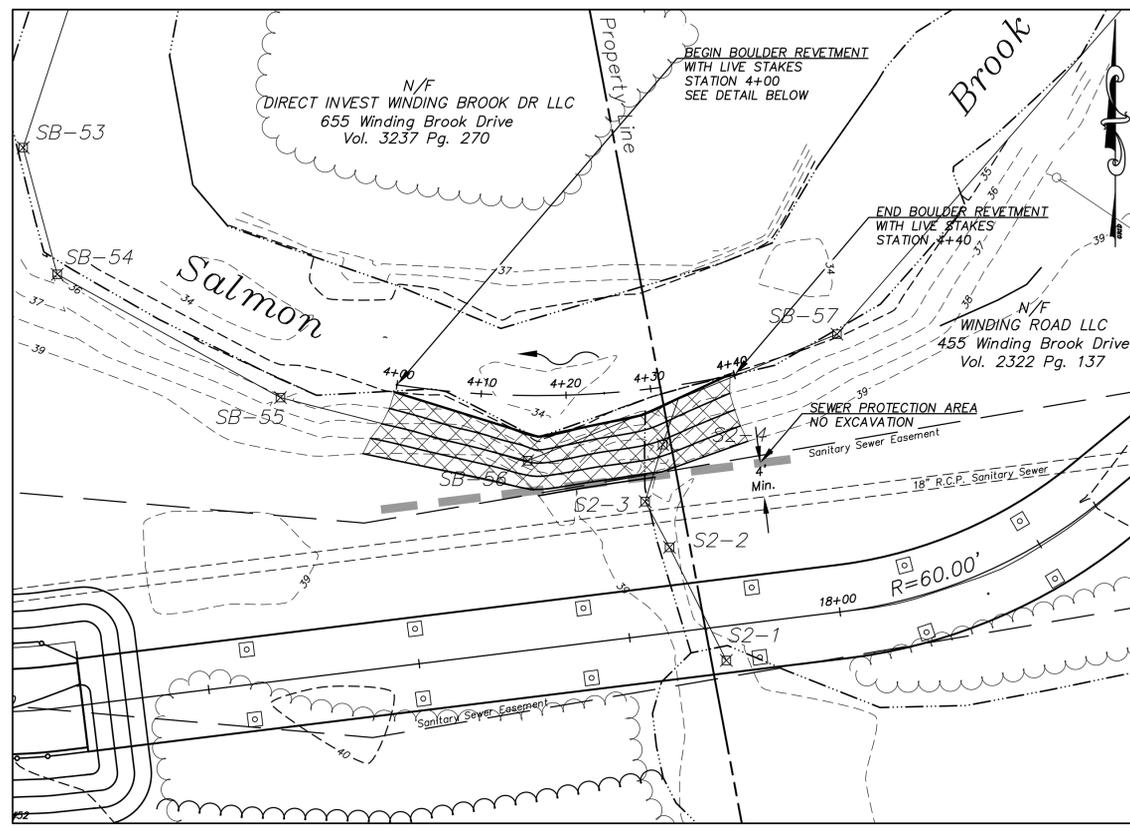
17

OF 24

FILE: H:\DWG\Streets\Western Brook\PW-1101\Multi Use Path Western to House Street - Brookbank Rd. 1.dwg USER: Steven Troy DATE: 8/13/2019

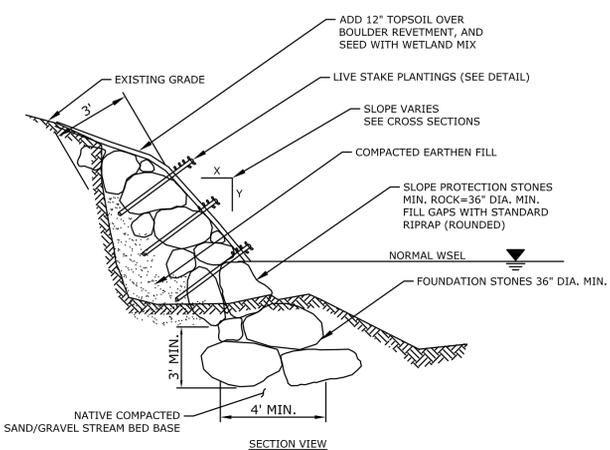


SCALE:  
Horizontal 1"=5'  
Vertical 1"=5'



**PLANTING NOTES:**

- LIVE STAKE SPECIES SHALL VARY BASED UPON LOCATION, AVAILABILITY, AND TIME OF YEAR.
- EXCAVATE BANK SUFFICIENTLY TO PLACE BOULDERS WITHOUT DECREASING CHANNEL SIZE.
- INSTALL BOULDER REVETMENT PER PLAN, AND PLACE ONE FOOT OF TOPSOIL AS SHOWN IN DETAIL.
- BEGIN WILLOW INSTALLATION USING THE "STINGER" OR SIMILAR METHOD TO CREATE VOIDS IN THE ROCK.
- ALONG THE TOE OF THE SLOPE (FIRST ROW), INSTALL 4' LONG LIVE WILLOW STAKES (SALIX LUCIDA OR SIMILAR NATIVE WILLOW SPECIES AS APPROVED BY OWNER/ENGINEER) SPACED 3' ON CENTER. THESE ARE TO BE INSERTED INTO PREDRILLED PILOT HOLES SLIGHTLY LARGER THAN THE STAKE DIAMETER AND BACKFILLED. STAKES SHOULD BE INSERTED TO 36" DEPTH.
- HIGHER ON SLOPE (ABOVE FIRST ROW), INSTALL 4' LONG LIVE STAKES SPACED 3' ON CENTER. THESE ARE TO BE INSERTED INTO PREDRILLED PILOT HOLES SLIGHTLY LARGER THAN THE STAKE DIAMETER AND BACKFILLED. STAKES SHOULD BE INSERTED TO 36" DEPTH.
- STAKES THAT ARE SPLIT OR DAMAGED DURING INSTALLATION SHALL BE REMOVED AND REPLACED.
- LIGHTLY TAMP TOPSOIL AROUND EACH STAKE AND SATURATE WITH WATER.
- SEED BANK WITH WETLAND SEED MIX. THE SLOPE SHOULD BE HAND RAKED TO SCARIFY THE SOIL SURFACE, THEN HAND SEEDED, HYDROMULCHED OR HAND SPREAD WITH A STRAW MULCH, AND RAKED LIGHTLY TO ENSURE SEED TO SOIL CONTACT.
- PLANT MATERIALS SHOULD BE PLANTED THE DAY THEY ARRIVE ON SITE. PLANTS AND CUTTINGS THAT CANNOT BE PLANTED THE DAY THEY ARRIVE SHALL BE STORED ON SITE UNDER A WET TARP TO PROTECT THEM FROM WIND, DIRECT SUNLIGHT, DRYING OR OTHER DAMAGE. CUTTINGS OR UNROOTED STOCK THAT IS NOT PLANTED WITHIN TWO DAYS AFTER ARRIVAL ON THE SITE SHALL BE DISCARDED UNLESS REFRIGERATED AT 40 TO 50 DEGREES FAHRENHEIT.
- WILLOW CUTTINGS FOR BIOENGINEERING SHOULD BE SOAKED PRIOR TO INSTALLATION.



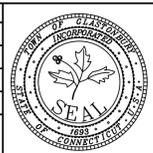
**BOULDER REVETMENT WITH LIVE STAKES**  
NOT TO SCALE

**BOULDER SLOPE PROTECTION NOTES:**

- EMBED STONE A MINIMUM OF 3 FEET INTO THE STREAM BANK BELOW THALWEG TO KEY INTO THE BANK.
- FINISHED ELEVATION OF THE STONES AS SHOWN ON CROSS SECTIONS AND GRADING PLAN.

**LIVE STAKE PLANTINGS**

| DRAWING ISSUE STATUS |                              | SCALE: AS SHOWN | DATE:                         |
|----------------------|------------------------------|-----------------|-------------------------------|
| 5.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018    |
| 4.                   | 100% CONSTRUCTION SUBMISSION | 3-25-2019       | CHECKED BY: S.M.B. 6-20-2018  |
| 3.                   | CT DEEP FISHERIES COMMENTS   | 10-10-2018      | APPROVED BY: D.A.P. 6-20-2018 |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | ST. FILE:                     |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       |                               |
| NO.                  | DESCRIPTION                  | DATE            |                               |



**SITE 4  
STREAM BANK  
STABILIZATION  
AT  
SALMON BROOK  
GLASTONBURY, CONNECTICUT**

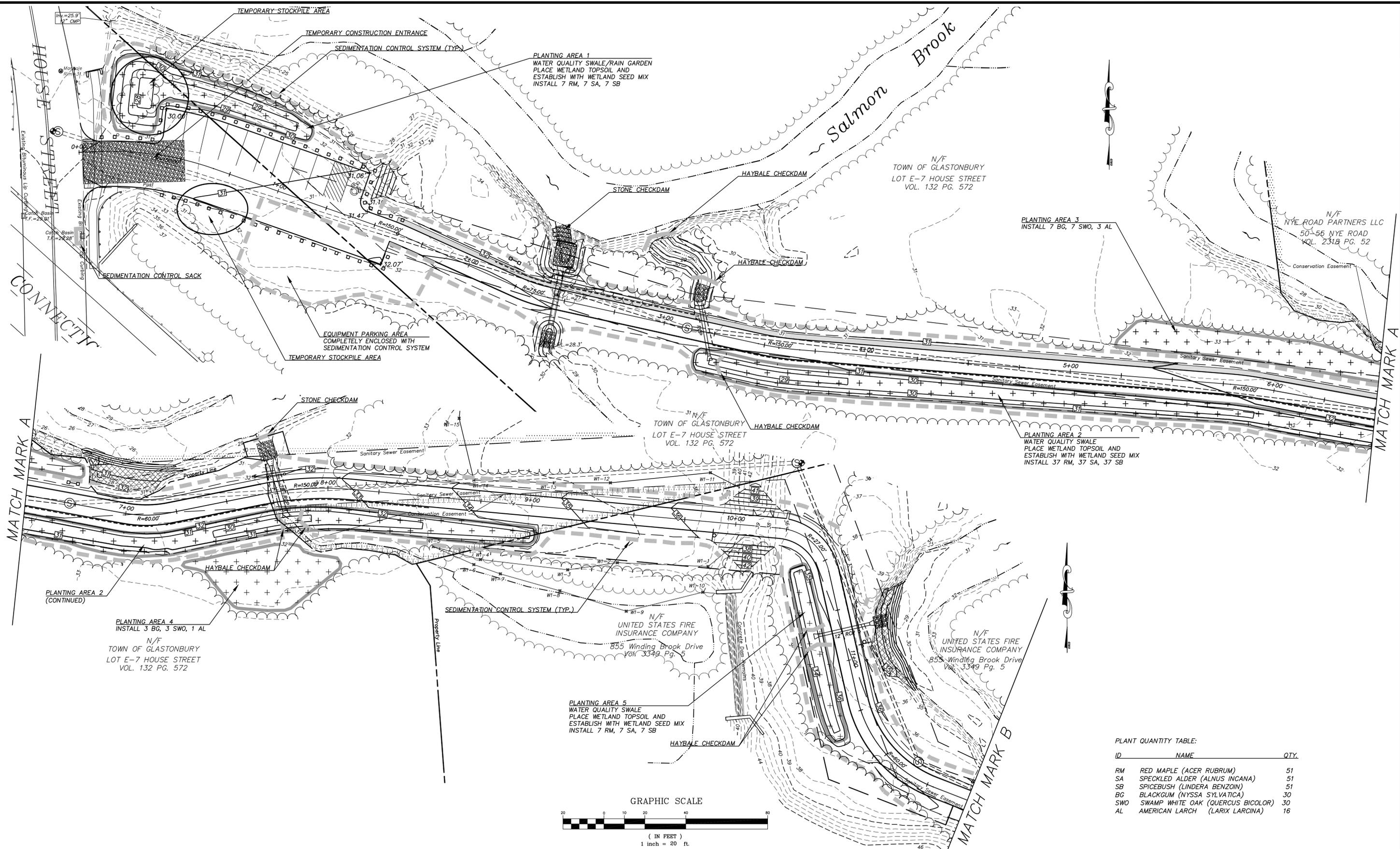
SHEET NO.  
**18**  
OF 24

Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

P.W. 1101

FILE: F:\DWG\Strech\Wescom Blvd\PW-1101 Multi Use Path Western to House Street - Barnhart.dwg USER: Steven Troy DATE: 8/14/2019



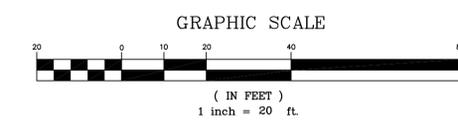
PLANTING AREA 1  
WATER QUALITY SWALE/RAIN GARDEN  
PLACE WETLAND TOPSOIL AND  
ESTABLISH WITH WETLAND SEED MIX  
INSTALL 7 RM, 7 SA, 7 SB

PLANTING AREA 3  
INSTALL 7 BG, 7 SWO, 3 AL

PLANTING AREA 2  
WATER QUALITY SWALE  
PLACE WETLAND TOPSOIL AND  
ESTABLISH WITH WETLAND SEED MIX  
INSTALL 37 RM, 37 SA, 37 SB

PLANTING AREA 4  
INSTALL 3 BG, 3 SWO, 1 AL  
N/F  
TOWN OF GLASTONBURY  
LOT E-7 HOUSE STREET  
VOL. 132 PG. 572

PLANTING AREA 5  
WATER QUALITY SWALE  
PLACE WETLAND TOPSOIL AND  
ESTABLISH WITH WETLAND SEED MIX  
INSTALL 7 RM, 7 SA, 7 SB



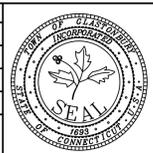
PLANT QUANTITY TABLE:

| ID  | NAME                              | QTY. |
|-----|-----------------------------------|------|
| RM  | RED MAPLE (ACER RUBRUM)           | 51   |
| SA  | SPECKLED ALDER (ALNUS INCANA)     | 51   |
| SB  | SPICEBUSH (LINDERA BENZOIN)       | 51   |
| BG  | BLACKGUM (NYSSA SYLVATICA)        | 30   |
| SWO | SWAMP WHITE OAK (QUERCUS BICOLOR) | 30   |
| AL  | AMERICAN LARCH (LARIX LARCINA)    | 16   |

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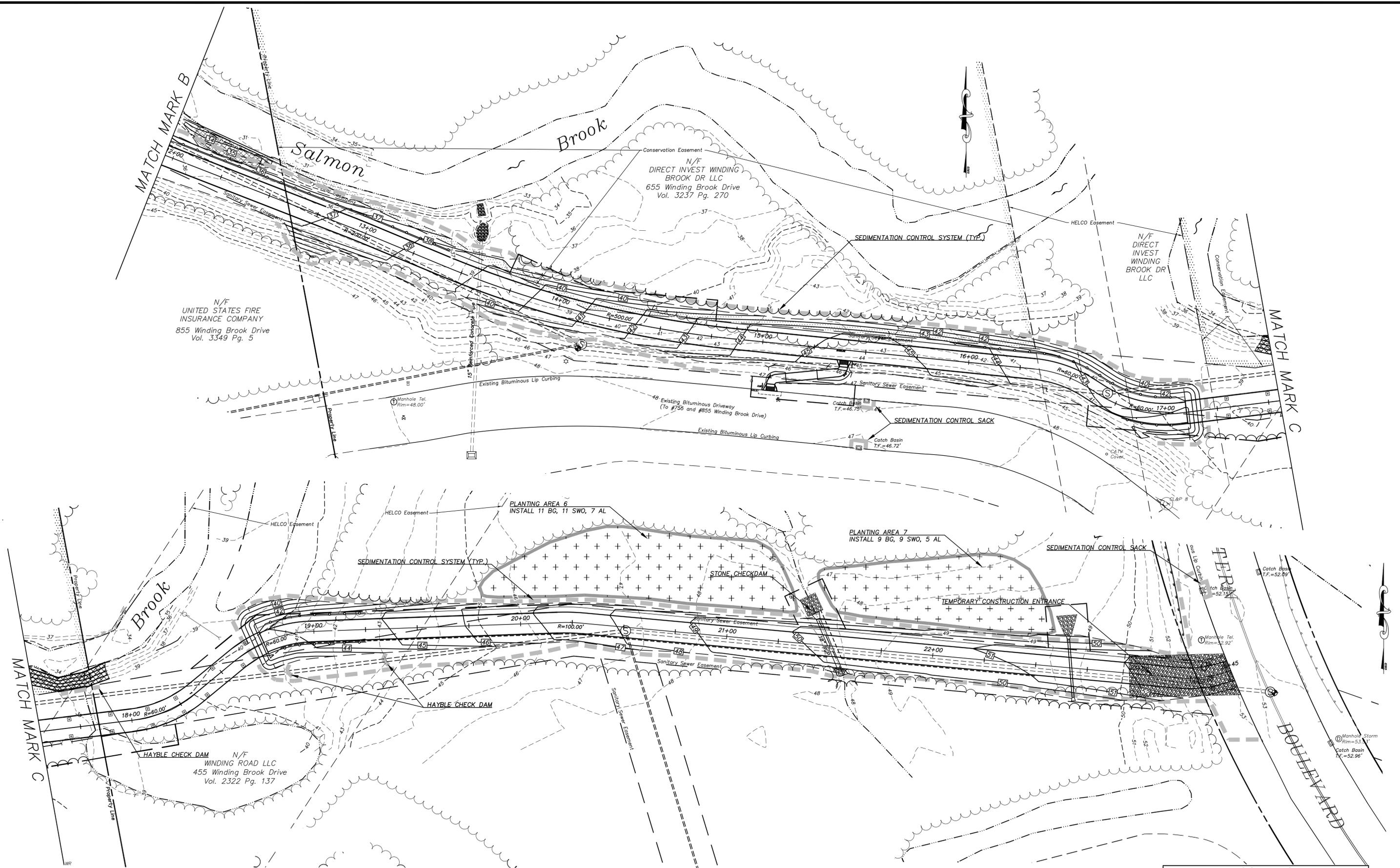
| DRAWING ISSUE STATUS |                              | SCALE: AS SHOWN | DATE:                         |
|----------------------|------------------------------|-----------------|-------------------------------|
| 5.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018    |
| 4.                   | 100% CONSTRUCTION SUBMISSION | 3-25-2019       | CHECKED BY: S.M.B. 6-20-2018  |
| 3.                   | ADD LANDSCAPING              | 10-12-2018      | APPROVED BY: D.A.P. 6-20-2018 |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | ST. FILE:                     |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       |                               |
| NO.                  | DESCRIPTION                  | DATE            |                               |



**LANDSCAPING AND  
EROSION CONTROLS FOR  
PROPOSED MULTI-USE PATH  
FROM  
HOUSE STREET TO  
WESTERN BOULEVARD  
GLASTONBURY, CONNECTICUT**

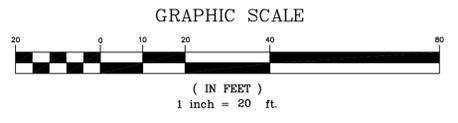
SHEET NO.  
**19**  
OF 24

P.W. 1101



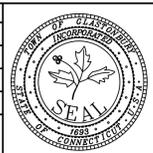
Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101



P.W. 1101

| DRAWING ISSUE STATUS |                              | SCALE: AS SHOWN | DATE:  |
|----------------------|------------------------------|-----------------|--|
| 5.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | DRAWN BY: S.Troy 6-20-2018   |
| 4.                   | 100% CONSTRUCTION SUBMISSION | 3-25-2019       | CHECKED BY: S.M.B. 6-20-2018   |
| 3.                   | ADD LANDSCAPING              | 10-12-2018      | APPROVED BY: D.A.P. 6-20-2018  |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | ST. FILE:  |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       |  |
| NO.                  | DESCRIPTION                  | DATE            | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE, SHOWN ON THE LEFT MARGIN, IF THE TIME AND DISCRETION OF QUESTIONS, CONTACT THE TIME AND DISCRETION OF ENGINEERING OFFICE AT (860) 632-7132. |



**LANDSCAPING AND EROSION CONTROLS FOR PROPOSED MULTI-USE PATH FROM HOUSE STREET TO WESTERN BOULEVARD GLASTONBURY, CONNECTICUT**

SHEET NO.

20

OF 24

FILE: H:\DWG\Streets\Western Blvd\PW-101\Multi Use Path\Western to House Street - Borewalk - 8/2019

| TEST BORING LOG   |                       |   |               |   |                      |   |   |   |                       |  |             |
|---|-----------------------|---|---------------|---|----------------------|---|---|---|-----------------------|--|-------------|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |                       | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut  |               | EXPLORATION NO.: GZ-1<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis  |                      | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA |   | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 31.1<br>Final Boring Depth (ft.): 16<br>Date Start - Finish: 8/16/2016 - 8/16/2016 |                       | H. Datum: Project<br>V. Datum: Project |             |
| Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy  |                       | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA                                     |               | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 31.1<br>Final Boring Depth (ft.): 16<br>Date Start - Finish: 8/16/2016 - 8/16/2016 |                      | H. Datum: Project<br>V. Datum: Project                                |   |   |                       |  |             |
| Hammer Type: Cat Head/Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2.3/4"   |                       | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A |               | Groundwater Depth (ft.)   |                      | Date  |   | Time  |                       | Water Depth                            |             |
|   |                       |   |               | 8/16/16   |                      | 11:50   |   | 9.5'  |                       | 15 min.                                |             |
| Depth (ft.)   | Casing<br>Core<br>No. | Sample<br>Depth<br>(ft.)  | Pen.<br>(in.) | Rec.<br>(in.)   | Blows<br>(per 6 in.) | SPT<br>Value  | Sample Description and Identification<br>(Modified Burmister Procedure) |   | Field<br>Test<br>Data | STRATUM<br>Description                 | Elev. (ft.) |
|   |                       |   |               |   |                      |   | Remarks   | Depth (ft.)   |                       |  |             |
| 0.2   | SS-1                  | 0.5   | 18            | 6   | 1                    | 2   | 1000'   | SS-1: Brown, fine SAND, some Silt, trace Roots (Fill)   | 1                     | 2                                      |             |
| 2   |                       |   |               |   |                      |   |   |   |                       |  |             |
| 4   |                       |   |               |   |                      |   |   |   |                       |  |             |
| 6   |                       |   |               |   |                      |   |   |   |                       |  |             |
| 8   |                       |   |               |   |                      |   |   |   |                       |  |             |
| 10  |                       |   |               |   |                      |   |   |   |                       |  |             |
| 12  |                       |   |               |   |                      |   |   |   |                       |  |             |
| 14  |                       |   |               |   |                      |   |   |   |                       |  |             |
| 16  |                       |   |               |   |                      |   |   |   |                       |  |             |
| 18  |                       |   |               |   |                      |   |   |   |                       |  |             |
| 20  |                       |   |               |   |                      |   |   |   |                       |  |             |
| 1 - Boring offset (-1) ft in elevation from stake. Material in side of slope above boring consisted of brown, fine to medium SAND, little Silt, trace Roots<br>2 - Split spoon refusal at 1.5 feet. Augered to 5' before next sample<br>3 - Harder drilling from 12.14'<br>4 - Boring backfilled with auger spoils on completion. |                       |   |               |   |                      |   |   |   |                       |  |             |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.  |                       |   |               |   |                      |   |   |   |                       | Exploration No.: GZ-1                  |             |

| TEST BORING LOG   |                       |   |               |   |                      |   |   |  |                       |  |             |
|---|-----------------------|---|---------------|---|----------------------|---|---|--|-----------------------|--|-------------|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |                       | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut  |               | EXPLORATION NO.: GZ-2<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis  |                      | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA |   | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 31.9<br>Final Boring Depth (ft.): 13<br>Date Start - Finish: 8/16/2016 - 8/16/2016                                  |                       | H. Datum: Project<br>V. Datum: Project |             |
| Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy  |                       | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA                                     |               | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 31.9<br>Final Boring Depth (ft.): 13<br>Date Start - Finish: 8/16/2016 - 8/16/2016 |                      | H. Datum: Project<br>V. Datum: Project                                |   |  |                       |  |             |
| Hammer Type: Cat Head/Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2.3/4"   |                       | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A |               | Groundwater Depth (ft.)   |                      | Date  |   | Time   |                       | Water Depth                            |             |
|   |                       |   |               | 8/16/16   |                      | 09:55   |   | 8.75'  |                       | 5 min.                                 |             |
| Depth (ft.)   | Casing<br>Core<br>No. | Sample<br>Depth<br>(ft.)  | Pen.<br>(in.) | Rec.<br>(in.)   | Blows<br>(per 6 in.) | SPT<br>Value  | Sample Description and Identification<br>(Modified Burmister Procedure) |  | Field<br>Test<br>Data | STRATUM<br>Description                 | Elev. (ft.) |
|   |                       |   |               |   |                      |   | Remarks   | Depth (ft.)  |                       |  |             |
| 0.2   | SS-1                  | 0.2   | 24            | 18  | 5                    | 20  | 40  | SS-1: Top 4": Brown, black, fine SAND and SILT, trace Roots (Topsoil)<br>Middle 12": Light brown, red SILT<br>Bottom 2": Brown, red, fine SAND and SILT<br>SS-2: No Recovery | 0.2                   | 31.4                                   |             |
| 2   |                       |   |               |   |                      |   |   |  |                       |  |             |
| 4   |                       |   |               |   |                      |   |   |  |                       |  |             |
| 6   |                       |   |               |   |                      |   |   |  |                       |  |             |
| 8   |                       |   |               |   |                      |   |   |  |                       |  |             |
| 10  |                       |   |               |   |                      |   |   |  |                       |  |             |
| 12  |                       |   |               |   |                      |   |   |  |                       |  |             |
| 14  |                       |   |               |   |                      |   |   |  |                       |  |             |
| 16  |                       |   |               |   |                      |   |   |  |                       |  |             |
| 18  |                       |   |               |   |                      |   |   |  |                       |  |             |
| 20  |                       |   |               |   |                      |   |   |  |                       |  |             |
| 1 - Grinding/hard drilling from 10-12'. Auger Refusal at 13'<br>2 - Silty Sand and Gravel in spoils from 10-12'. Silty sand from 12-13'<br>3 - Boring offset 10'<br>4 - Boring backfilled with auger spoils on completion |                       |   |               |   |                      |   |   |  |                       |  |             |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.  |                       |   |               |   |                      |   |   |  |                       | Exploration No.: GZ-2                  |             |

| TEST BORING LOG   |                       |  |               |   |                      |   |   |   |                       |  |             |
|---|-----------------------|--|---------------|---|----------------------|---|---|---|-----------------------|--|-------------|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |                       | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut   |               | EXPLORATION NO.: GZ-2A<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis   |                      | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA |   | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 31.9<br>Final Boring Depth (ft.): 12.4<br>Date Start - Finish: 8/16/2016 - 8/16/2016 |                       | H. Datum: Project<br>V. Datum: Project |             |
| Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy  |                       | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA                              |               | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 31.9<br>Final Boring Depth (ft.): 12.4<br>Date Start - Finish: 8/16/2016 - 8/16/2016 |                      | H. Datum: Project<br>V. Datum: Project                                |   |   |                       |  |             |
| Hammer Type: N/A<br>Hammer Weight (lb.): N/A<br>Hammer Fall (in.): N/A<br>Auger or Casing O.D./I.D Dia (in.): 2.3/4"  |                       | Sampler Type: N/A<br>Sampler O.D. (in.): N/A<br>Sampler Length (in.): N/A<br>Core Barrel Size: N/A |               | Groundwater Depth (ft.)   |                      | Date  |   | Time  |                       | Water Depth                            |             |
|   |                       |  |               | 8/16/16   |                      | 16:25   |   | 12.4  |                       | 19.5                                   |             |
| Depth (ft.)   | Casing<br>Core<br>No. | Sample<br>Depth<br>(ft.)   | Pen.<br>(in.) | Rec.<br>(in.)   | Blows<br>(per 6 in.) | SPT<br>Value  | Sample Description and Identification<br>(Modified Burmister Procedure) |   | Field<br>Test<br>Data | STRATUM<br>Description                 | Elev. (ft.) |
|   |                       |  |               |   |                      |   | Remarks   | Depth (ft.)   |                       |  |             |
| 0.2   |                       |  |               |   |                      |   |   | See Boring No. GZ-2 for strata descriptions above 12.4 feet below grade.  |                       |  |             |
| 2   |                       |  |               |   |                      |   |   |   |                       |  |             |
| 4   |                       |  |               |   |                      |   |   |   |                       |  |             |
| 6   |                       |  |               |   |                      |   |   |   |                       |  |             |
| 8   |                       |  |               |   |                      |   |   |   |                       |  |             |
| 10  |                       |  |               |   |                      |   |   |   |                       |  |             |
| 12  |                       |  |               |   |                      |   |   |   |                       |  |             |
| 14  |                       |  |               |   |                      |   |   |   |                       |  |             |
| 16  |                       |  |               |   |                      |   |   |   |                       |  |             |
| 18  |                       |  |               |   |                      |   |   |   |                       |  |             |
| 20  |                       |  |               |   |                      |   |   |   |                       |  |             |
| 1 - Boring offset from GZ-2 by 10'<br>2 - Attempted to auger to 19' below grade to take sample. Auger refused at 12.4'.<br>3 - Boring backfilled with auger spoils on completion. |                       |  |               |   |                      |   |   |   |                       |  |             |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.  |                       |  |               |   |                      |   |   |   |                       | Exploration No.: GZ-2A                 |             |

| TEST BORING LOG   |                       |   |               |  |                      |   |   |  |                       |  |             |
|---|-----------------------|---|---------------|--|----------------------|---|---|--|-----------------------|--|-------------|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |                       | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut  |               | EXPLORATION NO.: GZ-3<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis   |                      | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA |   | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 31.3<br>Final Boring Depth (ft.): 9<br>Date Start - Finish: 8/16/2016 - 8/16/2016   |                       | H. Datum: Project<br>V. Datum: Project |             |
| Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy  |                       | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA                                     |               | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 31.3<br>Final Boring Depth (ft.): 9<br>Date Start - Finish: 8/16/2016 - 8/16/2016 |                      | H. Datum: Project<br>V. Datum: Project                                |   |  |                       |  |             |
| Hammer Type: Cat Head/Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2.3/4" |                       | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A |               | Groundwater Depth (ft.)  |                      | Date  |   | Time   |                       | Water Depth                            |             |
|   |                       |   |               | 8/16/16  |                      | 09:00   |   | 3.7'   |                       | 15 min.                                |             |
| Depth (ft.)   | Casing<br>Core<br>No. | Sample<br>Depth<br>(ft.)  | Pen.<br>(in.) | Rec.<br>(in.)  | Blows<br>(per 6 in.) | SPT<br>Value  | Sample Description and Identification<br>(Modified Burmister Procedure) |  | Field<br>Test<br>Data | STRATUM<br>Description                 | Elev. (ft.) |
|   |                       |   |               |  |                      |   | Remarks   | Depth (ft.)  |                       |  |             |
| 0.2   | SS-1                  | 0.2   | 24            | 18   | 4                    | 7   | 16  | SS-1: Top 2": Brown, black, fine SAND and SILT, trace Roots (Topsoil)<br>Bottom 16": Brown, fine to medium SAND, some Silt, little fine Gravel, Most<br>SS-2: Top 9": Light brown, fine to medium SAND, some Silt<br>Bottom 4": Brown, light brown, fine to coarse SAND, trace fine Gravel | 0.2                   | 31.4                                   |             |
| 2   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 4   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 6   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 8   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 10  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 12  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 14  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 16  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 18  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 20  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 1 - Boring backfilled with auger spoils on completion.  |                       |   |               |  |                      |   |   |  |                       |  |             |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.        |                       |   |               |  |                      |   |   |  |                       | Exploration No.: GZ-3                  |             |

| TEST BORING LOG   |                       |   |               |  |                      |   |   |  |                       |  |             |
|---|-----------------------|---|---------------|--|----------------------|---|---|--|-----------------------|--|-------------|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |                       | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut  |               | EXPLORATION NO.: GZ-4<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis   |                      | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA |   | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 32<br>Final Boring Depth (ft.): 7<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |                       | H. Datum: Project<br>V. Datum: Project |             |
| Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy  |                       | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA                                     |               | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 32<br>Final Boring Depth (ft.): 7<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |                      | H. Datum: Project<br>V. Datum: Project                                |   |  |                       |  |             |
| Hammer Type: Cat Head/Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2.3/4" |                       | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A |               | Groundwater Depth (ft.)  |                      | Date  |   | Time   |                       | Water Depth                            |             |
|   |                       |   |               | 8/16/16  |                      | 08:21   |   | 3.9'   |                       | 15 min.                                |             |
| Depth (ft.)   | Casing<br>Core<br>No. | Sample<br>Depth<br>(ft.)  | Pen.<br>(in.) | Rec.<br>(in.)  | Blows<br>(per 6 in.) | SPT<br>Value  | Sample Description and Identification<br>(Modified Burmister Procedure) |  | Field<br>Test<br>Data | STRATUM<br>Description                 | Elev. (ft.) |
|   |                       |   |               |  |                      |   | Remarks   | Depth (ft.)  |                       |  |             |
| 0.2   | SS-1                  | 0.2   | 24            | 18   | 4                    | 6   | 10  | SS-1: Top 2": Brown, black, fine SAND and SILT, trace Roots<br>Bottom 16": Brown, fine SAND and SILT, trace Roots                        | 0.2                   | 31.4                                   |             |
| 2   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 4   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 6   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 8   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 10  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 12  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 14  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 16  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 18  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 20  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 1 - Boring backfilled with auger spoils on completion.  |                       |   |               |  |                      |   |   |  |                       |  |             |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.        |                       |   |               |  |                      |   |   |  |                       | Exploration No.: GZ-4                  |             |

| TEST BORING LOG   |                       |   |               |  |                      |   |   |  |                       |  |             |
|---|-----------------------|---|---------------|--|----------------------|---|---|--|-----------------------|--|-------------|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |                       | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut  |               | EXPLORATION NO.: GZ-5<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis   |                      | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA |   | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 32.2<br>Final Boring Depth (ft.): 7<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |                       | H. Datum: Project<br>V. Datum: Project |             |
| Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy  |                       | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA                                     |               | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 32.2<br>Final Boring Depth (ft.): 7<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |                      | H. Datum: Project<br>V. Datum: Project                                |   |  |                       |  |             |
| Hammer Type: Cat Head/Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2.3/4" |                       | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A |               | Groundwater Depth (ft.)  |                      | Date  |   | Time   |                       | Water Depth                            |             |
|   |                       |   |               | 8/16/16  |                      | 07:40   |   | 3.9'   |                       | 15 min.                                |             |
| Depth (ft.)   | Casing<br>Core<br>No. | Sample<br>Depth<br>(ft.)  | Pen.<br>(in.) | Rec.<br>(in.)  | Blows<br>(per 6 in.) | SPT<br>Value  | Sample Description and Identification<br>(Modified Burmister Procedure) |  | Field<br>Test<br>Data | STRATUM<br>Description                 | Elev. (ft.) |
|   |                       |   |               |  |                      |   | Remarks   | Depth (ft.)  |                       |  |             |
| 0.2   | SS-1                  | 0.2   | 24            | 17   | 3                    | 5   | 12  | SS-1: Top 7": Brown, fine SAND and SILT, trace Roots (Topsoil)<br>Bottom 10": Brown, fine to medium SAND and SILT                          | 0.8                   | TOPSOIL                                | 31.8        |
| 2   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 4   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 6   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 8   |                       |   |               |  |                      |   |   |  |                       |  |             |
| 10  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 12  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 14  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 16  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 18  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 20  |                       |   |               |  |                      |   |   |  |                       |  |             |
| 1 - Boring backfilled with auger spoils on completion.  |                       |   |               |  |                      |   |   |  |                       |  |             |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.        |                       |   |               |  |                      |   |   |  |                       | Exploration No.: GZ-5                  |             |

| TEST BORING LOG   |                       |   |               |  |                      |   |   |  |                       |  |             |
|---|-----------------------|---|---------------|--|----------------------|---|---|--|-----------------------|--|-------------|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |                       | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut  |               | EXPLORATION NO.: GZ-6<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis   |                      | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA |   | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 35.8<br>Final Boring Depth (ft.): 7<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |                       | H. Datum: Project<br>V. Datum: Project |             |
| Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy  |                       | Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA                                     |               | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 35.8<br>Final Boring Depth (ft.): 7<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |                      | H. Datum: Project<br>V. Datum: Project                                |   |  |                       |  |             |
| Hammer Type: Cat Head/Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2.3/4" |                       | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A |               | Groundwater Depth (ft.)  |                      | Date  |   | Time   |                       | Water Depth                            |             |
|   |                       |   |               | 8/15/16  |                      | 16:25   |   | 6.75'  |                       | 15 min.                                |             |
| Depth (ft.)   | Casing<br>Core<br>No. | Sample<br>Depth<br>(ft.)  | Pen.<br>(in.) | Rec.<br>(in.)  | Blows<br>(per 6 in.) | SPT<br>Value  | Sample Description and Identification<br>(Modified Burmister Procedure) |  | Field<br>Test<br>Data | STRATUM<br>Description                 | Elev. (ft.) |
|   |                       |   |               |  |                      |   | Remarks   | Depth (ft.)  |                       |  |             |
| 0.2   | SS-1                  | 0.2   | 24            | 16   | 3                    | 8   | 32  |  |                       |  |             |

| TEST BORING LOG   |             |            |  |           |                  |  |  |   |  |                                 |                                 |  |
|---|-------------|------------|--|-----------|------------------|--|--|---|--|---------------------------------|---------------------------------|--|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |             |            | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut   |           |                  | EXPLORATION NO.: GZ-8<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis |  |   | Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy |                                 |                                 |  |
| Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA   |             |            | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 41.1<br>Final Boring Depth (ft.): 7<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |           |                  | H. Datum: Project<br>V. Datum: Project   |  |   | Groundwater Depth (ft.)  |                                 |                                 |  |
| Hammer Type: Cat Head Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2-3/4" |             |            | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A                                  |           |                  | Date   | Time   | Water Depth   | Stab. Time   | STRATUM Description Elev. (ft.) |                                 |  |
| Depth (ft)  | Coring (ft) | Sample No. | Depth (ft)   | Pen. (in) | Blows (per 6 in) | SPT Value  | Sample Description and Identification (Modified Burmister Procedure) |   |  | Field Test Data                 | STRATUM Description Elev. (ft.) |  |
| 0   | 0-2         | SS-1       | 0-2  | 24        | 9                | 3  | 15   | SS-1: Top 4": Black, fine SAND and SILT, trace Roots, trace fine Gravel (Topsoil)<br>Middle 5": Brown, fine to medium SAND, little fine Gravel, little Silt, trace Roots (Subsoil)<br>Bottom 7": Brown, fine to medium SAND, little fine Gravel, little Silt, trace Roots (Subsoil) |  |                                 | 41.1                            |  |
| 2   | 2-4         | SS-2       | 2-4  | 24        | 5                | 9  | 10   | SS-2: Medium dense, brown, fine SAND and SILT, little fine Gravel   |  |                                 | 39.9                            |  |
| 4   | 4-6.5       | SS-3       | 4-6.5  | 18        | 9                | 28   | 38   | SS-3: Top 6": Light brown, fine to medium SAND, some Silt<br>Bottom 7": Brown, fine to coarse GRAVEL and SILT, little fine Sand   |  |                                 | 35.6                            |  |
| 6   |             |            |  |           |                  |  |  | End of exploration at 7 feet below grade.   |  |                                 | 34.1                            |  |
| REMARKS   |             |            |  |           |                  |  |  |   |  |                                 |                                 |  |
| 1 - Boring backfilled with auger spoils on completion.  |             |            |  |           |                  |  |  |   |  |                                 |                                 |  |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.        |             |            |  |           |                  |  |  |   |  |                                 |                                 |  |
| Exploration No.: GZ-8   |             |            |  |           |                  |  |  |   |  |                                 |                                 |  |

| TEST BORING LOG   |             |            |  |           |                  |  |  |  |  |                                 |                                 |  |
|---|-------------|------------|--|-----------|------------------|--|--|--|--|---------------------------------|---------------------------------|--|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |             |            | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut   |           |                  | EXPLORATION NO.: GZ-9<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis |  |  | Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy |                                 |                                 |  |
| Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA   |             |            | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 42.7<br>Final Boring Depth (ft.): 8<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |           |                  | H. Datum: Project<br>V. Datum: Project   |  |  | Groundwater Depth (ft.)  |                                 |                                 |  |
| Hammer Type: Cat Head Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2-3/4" |             |            | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A                                  |           |                  | Date   | Time   | Water Depth  | Stab. Time   | STRATUM Description Elev. (ft.) |                                 |  |
| Depth (ft)  | Coring (ft) | Sample No. | Depth (ft)   | Pen. (in) | Blows (per 6 in) | SPT Value  | Sample Description and Identification (Modified Burmister Procedure) |  |  | Field Test Data                 | STRATUM Description Elev. (ft.) |  |
| 0   | 0-2         | SS-1       | 0-2  | 24        | 16               | 5  | 8  | SS-1: Top 4": Black, brown, fine SAND and SILT, trace fine Gravel (Topsoil)<br>Bottom 7": Brown, fine to medium SAND, some fine Gravel, some Silt, trace Roots |  |                                 | 42.1                            |  |
| 2   | 2-4         | SS-2       | 2-4  | 24        | 8                | 10   | 7  | SS-2: Medium dense, brown, fine to medium SAND, some fine Gravel, trace Silt   |  |                                 | 40.7                            |  |
| 4   | 4-6         | SS-3       | 4-6  | 24        | 4                | 2  | 4  | SS-3: Loose, brown, black (streaks), fine to medium SAND, some fine Gravel, some Silt, trace Roots, Wet  |  |                                 | 34.7                            |  |
| 6   | 6-8         | SS-4       | 6-8  | 24        | 16               | 15   | 26   | SS-4: Medium dense, brown, fine to medium SAND, some fine Gravel, little Silt, Wet   |  |                                 | 34.7                            |  |
| 8   |             |            |  |           |                  |  |  | End of exploration at 8 feet below grade.  |  |                                 |                                 |  |
| REMARKS   |             |            |  |           |                  |  |  |  |  |                                 |                                 |  |
| 1 - Groundwater reading based on wet spoon SS-3.<br>2 - Borehole backfilled with auger spoils on completion.                    |             |            |  |           |                  |  |  |  |  |                                 |                                 |  |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.        |             |            |  |           |                  |  |  |  |  |                                 |                                 |  |
| Exploration No.: GZ-9   |             |            |  |           |                  |  |  |  |  |                                 |                                 |  |

| TEST BORING LOG  |             |            |   |           |                  |   |  |  |  |                                 |                                 |  |
|--|-------------|------------|---|-----------|------------------|---|--|--|--|---------------------------------|---------------------------------|--|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists   |             |            | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut  |           |                  | EXPLORATION NO.: GZ-10<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis |  |  | Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy |                                 |                                 |  |
| Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA  |             |            | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 39.7<br>Final Boring Depth (ft.): 12<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |           |                  | H. Datum: Project<br>V. Datum: Project  |  |  | Groundwater Depth (ft.)  |                                 |                                 |  |
| Hammer Type: Cat Head Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2-3/4"  |             |            | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A                                   |           |                  | Date  | Time   | Water Depth  | Stab. Time   | STRATUM Description Elev. (ft.) |                                 |  |
| Depth (ft)   | Coring (ft) | Sample No. | Depth (ft)  | Pen. (in) | Blows (per 6 in) | SPT Value   | Sample Description and Identification (Modified Burmister Procedure) |  |  | Field Test Data                 | STRATUM Description Elev. (ft.) |  |
| 0  | 0-2         | SS-1       | 0-2   | 24        | 11               | 4   | 15   | SS-1: Top 8": Topsoil, black, brown SILT and fine SAND, little fine Gravel, Roots<br>Bottom 7": Brown, fine to coarse SAND and fine to coarse GRAVEL, trace Silt |  |                                 | 39.7                            |  |
| 2  | 2-4         | SS-2       | 2-4   | 24        | 3                | 7   | 3  | SS-2: Loose, brown, fine to medium SAND, trace Silt, Wet   |  |                                 | 37.7                            |  |
| 4  | 4-5.7       | SS-3       | 4-5.7   | 24        | 6                | 1   | 2  | SS-3: Loose, brown, fine to coarse GRAVEL, some fine to medium SAND, trace Silt, Wet   |  |                                 | 34.7                            |  |
| 6  | 6-7.9       | SS-4       | 6-7.9   | 24        | 10               | 11  | 35   | SS-4: Top 3": Olive-brown SILT<br>Bottom 7": Brown, black, fine to coarse SAND and fine to coarse GRAVEL, trace Silt   |  |                                 | 34.7                            |  |
| 8  | 8-10        | SS-5       | 8-10  | 18        | 0                | 9   | 16   | SS-5: No Recovery  |  |                                 | 27.7                            |  |
| 10   |             |            |   |           |                  |   |  | End of exploration at 12 feet below grade.   |  |                                 |                                 |  |
| REMARKS  |             |            |   |           |                  |   |  |  |  |                                 |                                 |  |
| 1 - Material may have been soil that washed to bottom of hole (SS-2).<br>2 - Auger refusal at 12'. Boring offset 3'.<br>3 - Boring backfilled with auger spoils on completion. |             |            |   |           |                  |   |  |  |  |                                 |                                 |  |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.   |             |            |   |           |                  |   |  |  |  |                                 |                                 |  |
| Exploration No.: GZ-10   |             |            |   |           |                  |   |  |  |  |                                 |                                 |  |

| TEST BORING LOG   |             |            |   |           |                  |  |   |  |  |                                 |                                 |  |
|---|-------------|------------|---|-----------|------------------|--|---|--|--|---------------------------------|---------------------------------|--|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |             |            | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut  |           |                  | EXPLORATION NO.: GZ-10A<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis |   |  | Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy |                                 |                                 |  |
| Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA   |             |            | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 39.7<br>Final Boring Depth (ft.): 17<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |           |                  | H. Datum: Project<br>V. Datum: Project   |   |  | Groundwater Depth (ft.)  |                                 |                                 |  |
| Hammer Type: Cat Head Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2-3/4" |             |            | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A                                   |           |                  | Date   | Time  | Water Depth  | Stab. Time   | STRATUM Description Elev. (ft.) |                                 |  |
| Depth (ft)  | Coring (ft) | Sample No. | Depth (ft)  | Pen. (in) | Blows (per 6 in) | SPT Value  | Sample Description and Identification (Modified Burmister Procedure)      |  |  | Field Test Data                 | STRATUM Description Elev. (ft.) |  |
| 0   | 0-0         |            | 0-0   |           |                  |  | : See Boring No. GZ-10 for strata descriptions above 15 feet below grade. |  |  |                                 |                                 |  |
| 15  | 15-17       | SS-1       | 15-17   | 24        | 10               | 20   | 45  | SS-1: Dense, brown, fine to medium SAND, some fine to coarse Gravel, trace Silt, Wet |  |                                 | 24.7                            |  |
| 17  |             |            |   |           |                  |  |   | End of exploration at 17 feet below grade.   |  |                                 | 22.7                            |  |
| REMARKS   |             |            |   |           |                  |  |   |  |  |                                 |                                 |  |
| 1 - 3' offset from GZ-10.<br>2 - Augered to 15', then sampled.<br>3 - Boring backfilled with auger spoils on completion.        |             |            |   |           |                  |  |   |  |  |                                 |                                 |  |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.        |             |            |   |           |                  |  |   |  |  |                                 |                                 |  |
| Exploration No.: GZ-10A   |             |            |   |           |                  |  |   |  |  |                                 |                                 |  |

| TEST BORING LOG   |             |            |   |           |                  |   |  |  |  |                                 |                                 |  |
|---|-------------|------------|---|-----------|------------------|---|--|--|--|---------------------------------|---------------------------------|--|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |             |            | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut  |           |                  | EXPLORATION NO.: GZ-11<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis |  |  | Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy |                                 |                                 |  |
| Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA   |             |            | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 41.9<br>Final Boring Depth (ft.): 15.2<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |           |                  | H. Datum: Project<br>V. Datum: Project  |  |  | Groundwater Depth (ft.)  |                                 |                                 |  |
| Hammer Type: Cat Head Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2-3/4" |             |            | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A                                     |           |                  | Date  | Time   | Water Depth  | Stab. Time   | STRATUM Description Elev. (ft.) |                                 |  |
| Depth (ft)  | Coring (ft) | Sample No. | Depth (ft)  | Pen. (in) | Blows (per 6 in) | SPT Value   | Sample Description and Identification (Modified Burmister Procedure) |  |  | Field Test Data                 | STRATUM Description Elev. (ft.) |  |
| 0   | 0-2         | SS-1       | 0-2   | 24        | 16               | 2   | 7  | SS-1: Top 3": Black, brown SAND and SILT, trace Roots<br>Middle 5": Brown, fine SAND, some Silt, little fine Gravel, trace Roots<br>Bottom 4": Brown, fine to coarse SAND, some fine to coarse Gravel, little Silt |  |                                 | 41.4                            |  |
| 2   | 2-4         | SS-2       | 2-4   | 24        | 10               | 7   | 10   | SS-2: Top 5": Brown, fine to coarse SAND, little fine Gravel, little Silt<br>Bottom 5": Brown, light brown Silty Clay, Wet   |  |                                 | 39.9                            |  |
| 4   | 4-5.7       | SS-3       | 4-5.7   | 24        | 20               | 4   | 5  | SS-3: Silty, brown SILT  |  |                                 | 34.9                            |  |
| 6   | 6-7.9       | SS-4       | 6-7.9   | 24        | 11               | 7   | 8  | SS-4: Medium dense, brown, fine to medium SAND and fine to coarse GRAVEL, some Silt  |  |                                 | 34.9                            |  |
| 8   | 8-10        | SS-5       | 8-10  | 24        | 3                | 11  | 13   | SS-5: Medium dense, brown, fine to medium SAND and fine to coarse GRAVEL, some Silt  |  |                                 | 26.7                            |  |
| 10  | 10-12       | SS-6       | 10-12   | 24        | 3                | 11  | 13   | SS-6: No Recovery  |  |                                 | 26.7                            |  |
| 12  |             |            |   |           |                  |   |  | End of exploration at 15.2 feet below grade.   |  |                                 |                                 |  |
| REMARKS   |             |            |   |           |                  |   |  |  |  |                                 |                                 |  |
| 1 - Groundwater measurement based on wet spoon SS-2.<br>2 - Boring backfilled with auger spoils on completion.                  |             |            |   |           |                  |   |  |  |  |                                 |                                 |  |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.        |             |            |   |           |                  |   |  |  |  |                                 |                                 |  |
| Exploration No.: GZ-11  |             |            |   |           |                  |   |  |  |  |                                 |                                 |  |

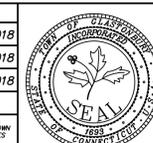
| TEST BORING LOG   |             |            |  |           |                  |   |  |  |  |                                 |                                 |  |
|---|-------------|------------|--|-----------|------------------|---|--|--|--|---------------------------------|---------------------------------|--|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |             |            | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut   |           |                  | EXPLORATION NO.: GZ-12<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis |  |  | Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy |                                 |                                 |  |
| Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA   |             |            | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 48.3<br>Final Boring Depth (ft.): 7<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |           |                  | H. Datum: Project<br>V. Datum: Project  |  |  | Groundwater Depth (ft.)  |                                 |                                 |  |
| Hammer Type: Cat Head Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2-3/4" |             |            | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A                                  |           |                  | Date  | Time   | Water Depth  | Stab. Time   | STRATUM Description Elev. (ft.) |                                 |  |
| Depth (ft)  | Coring (ft) | Sample No. | Depth (ft)   | Pen. (in) | Blows (per 6 in) | SPT Value   | Sample Description and Identification (Modified Burmister Procedure) |  |  | Field Test Data                 | STRATUM Description Elev. (ft.) |  |
| 0   | 0-2         | SS-1       | 0-2  | 24        | 16               | 1   | 5  | SS-1: Top 4": Black, fine SAND and SILT, trace Roots (Topsoil)<br>Bottom 12": Brown, fine to medium SAND, some fine to coarse Gravel, some Silt      |  |                                 | 44.0                            |  |
| 2   | 2-4         | SS-2       | 2-4  | 24        | 10               | 14  | 32   | SS-2: Top 5": Brown, fine to medium SAND and fine to coarse GRAVEL, some Silt<br>Bottom 5": Brown SILT and CLAY, little fine Sand, trace fine Gravel |  |                                 | 45.8                            |  |
| 4   | 4-5.7       | SS-3       | 4-5.7  | 24        | 10               | 4   | 8  | SS-3: Top 4": Brown, fine to medium SAND, some Silt<br>Bottom 6": Brown SILT and CLAY  |  |                                 | 44.3                            |  |
| 6   | 6-7         |            | 6-7  | 24        | 10               | 10  | 10   | End of exploration at 7 feet below grade.  |  |                                 | 41.3                            |  |
| REMARKS   |             |            |  |           |                  |   |  |  |  |                                 |                                 |  |
| 1 - Boring backfilled with auger spoils on completion.  |             |            |  |           |                  |   |  |  |  |                                 |                                 |  |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.        |             |            |  |           |                  |   |  |  |  |                                 |                                 |  |
| Exploration No.: GZ-12  |             |            |  |           |                  |   |  |  |  |                                 |                                 |  |

| TEST BORING LOG   |             |            |  |           |                  |   |  |   |  |                                 |                                 |  |
|---|-------------|------------|--|-----------|------------------|---|--|---|--|---------------------------------|---------------------------------|--|
| GZA GeoEnvironmental, Inc.<br>Engineers and Scientists  |             |            | Glastonbury Multi-Use Path<br>Glastonbury, Connecticut   |           |                  | EXPLORATION NO.: GZ-13<br>SHEET: 1 of 1<br>PROJECT NO: 05.0045864.00<br>REVIEWED BY: J. Davis |  |   | Logged By: D. Ramsey<br>Drilling Co.: New England Boring Contractor<br>Foreman: M. Soucy |                                 |                                 |  |
| Type of Rig: Track Mounted<br>Rig Model: D-50<br>Drilling Method: HSA   |             |            | Boring Location: See Plan<br>Ground Surface Elev. (ft.): 51.4<br>Final Boring Depth (ft.): 9<br>Date Start - Finish: 8/15/2016 - 8/15/2016 |           |                  | H. Datum: Project<br>V. Datum: Project  |  |   | Groundwater Depth (ft.)  |                                 |                                 |  |
| Hammer Type: Cat Head Safety<br>Hammer Weight (lb.): 140<br>Hammer Fall (in.): 30<br>Auger or Casing O.D./I.D Dia (in.): 2-3/4" |             |            | Sampler Type: Split Spoon<br>Sampler O.D. (in.): 2.0<br>Sampler Length (in.): 24<br>Core Barrel Size: N/A                                  |           |                  | Date  | Time   | Water Depth   | Stab. Time   | STRATUM Description Elev. (ft.) |                                 |  |
| Depth (ft)  | Coring (ft) | Sample No. | Depth (ft)   | Pen. (in) | Blows (per 6 in) | SPT Value   | Sample Description and Identification (Modified Burmister Procedure) |   |  | Field Test Data                 | STRATUM Description Elev. (ft.) |  |
| 0   | 0-2         | SS-1       | 0-2  | 24        | 15               | 1   | 6  | SS-1: Top 10": Black, fine SAND and SILT, trace Roots (Topsoil)<br>Bottom 5": Brown, fine to medium SAND, some Silt, little fine to coarse Gravel |  |                                 | 50.6                            |  |
| 2   | 2-4         | SS-2       | 2-4  | 24        | 15               | 16  | 32   | SS-2: Very dense, brown, fine SAND, some Silt, little fine to coarse Gravel   |  |                                 | 48.6                            |  |
| 4   | 4-5.7       | SS-3       | 4-5.7  | 24        | 5                | 4   | 2  | SS-3: Very loose, brown, fine to medium SAND and fine to coarse GRAVEL, some Silt, trace Root, Wet  |  |                                 | 42.4                            |  |
| 6   | 6-7.9       | SS-4       | 6-7.9  | 24        | 5                | 1   | 6  | SS-4: Loose, brown, fine to medium SAND and fine to coarse GRAVEL, some Silt, Wet   |  |                                 | 42.4                            |  |
| 8   |             |            |  |           |                  |   |  | End of exploration at 9 feet below grade.   |  |                                 |                                 |  |
| REMARKS   |             |            |  |           |                  |   |  |   |  |                                 |                                 |  |
| 1 - Boring backfilled with auger spoils on completion.  |             |            |  |           |                  |   |  |   |  |                                 |                                 |  |
| Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.        |             |            |  |           |                  |   |  |   |  |                                 |                                 |  |
| Exploration No.: GZ-13  |             |            |  |           |                  |   |  |   |  |                                 |                                 |  |

Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

| DRAWING ISSUE STATUS |                              | SCALE: AS SHOWN | DATE:                         |
|----------------------|------------------------------|-----------------|-------------------------------|
| 4.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | CHECKED BY: S.Troy 6-20-2018  |
| 3.                   | 100% CONSTRUCTION SUBMISSION | 3-25-2019       | APPROVED BY: D.A.P. 6-20-2018 |
| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | ST. FILE:                     |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       |                               |
| NO.                  | DESCRIPTION                  | DATE            |                               |



**BORING LOGS FOR  
PROPOSED MULTI-USE PATH  
FROM  
HOUSE STREET TO  
WESTERN BOULEVARD  
GLASTONBURY, CONNECTICUT**

SHEET NO.

22

OF 24

# GLASTONBURY MULTI-USE PATH PHASE II FROM HOUSE STREET TO WESTERN BOULEVARD

## GENERAL NOTES

- This structure has been designed in accordance with the project architect plan layout and guidelines. Suitability for access and intended usage shall be the responsibility of the architect.
- Vehicle access larger than the design live load shall be limited by permanent physical means.
- Prior to construction the contractor shall verify all elevations through the project architect.
- Only PermaTrak North America may provide the precast structure shown on these plans.

## DESIGN DATA

- Boardwalk shall be designed in accordance with the AASHTO LRFD bridge design specifications and the LRFD guide specification for the design of pedestrian bridges.  
Design Live Load:  
Pedestrian Loading - 90 psf Uniform  
Vehicle Loading - H-5 Design Truck (10,000 Lb. Vehicle)  
Abutments and piers shall be designed for lateral earth pressure, live load surcharge and structure loads. (Contractor To Verify)
- Railing shall be designed in accordance with AASHTO specifications. The railing supplier is responsible for the engineering of the detailed railing in accordance with the project specifications.
- All geotechnical recommendations contained in the report of subsurface investigation shall be followed. Report "Geotechnical Engineering Report: Multi-Use Path Glastonbury, Connecticut" was dated April 17, 2018 and produced by GEA Geoenvironmental, Inc.

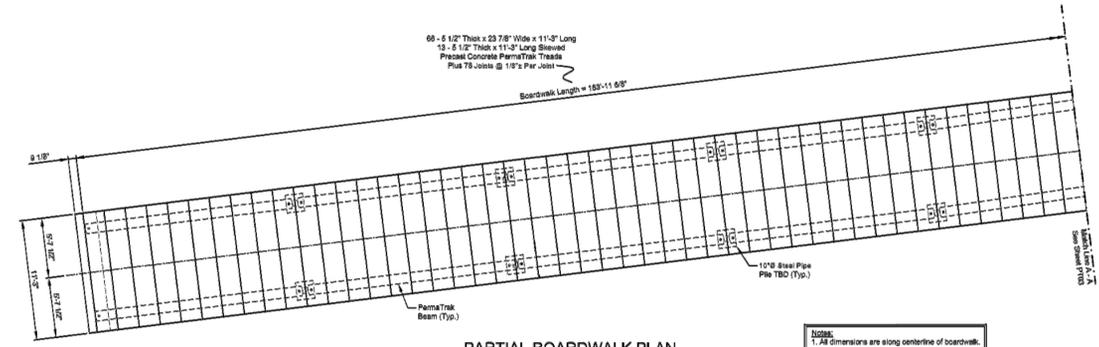
## MATERIALS

- All steel rods, washers, and hardware shall be hot dipped galvanized after fabrication in accordance with ASTM A153.
- Cast-in-place concrete shall have a 28-day concrete compressive strength of 4000 psi.
- All foundation reinforcing shall be Grade 60 conforming to ASTM A615.

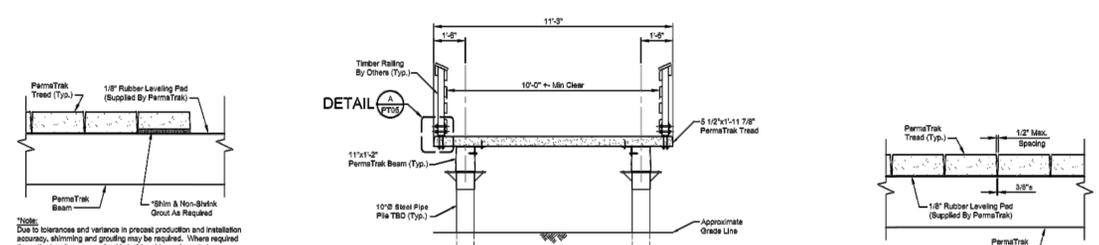
## PROJECT COMPONENTS

| SUPPLIED BY PERMATRAK  |  |
|--|--|
| PRECAST CONCRETE TRENDS  |  |
| PRECAST CONCRETE ABUTMENTS   |  |
| PRECAST CONCRETE BEAMS   |  |
| RUBBER LEVELING PADS   |  |
| CLIP ANGLES WITH 3/4" DIAMETER RODS, WASHERS AND NUTS (6x6x3/8x7-4") |  |
| 4X4 TIMBER POST BRACKET AND CONNECTION HARDWARE                      |  |

| SUPPLIED BY CONTRACTOR  |  |
|---|--|
| HILTI HV-200 EPOXY ADHESIVE OR EQUAL (ANCHORING SYSTEM CONNECTION)                                |  |
| 3/4" DIAMETER x 1'-0" LONG THREADED BARS WITH NUTS AND WASHERS (BEAM TO PIER/ABUTMENT CONNECTION) |  |
| SHIM AND NON-SHRINK GROUT (LEVELING FOR BEAM TO CAP PLATE)  |  |
| RAILING AND CONNECTION HARDWARE   |  |
| 10" DIAMETER STEEL PIPE CAP PLATE AND CONNECTION (TBD)  |  |
| UNREINFORCED CONCRETE (2000 PSI MINIMUM COMPRESSIVE STRENGTH)                                     |  |



PARTIAL BOARDWALK PLAN  
Scale = 1/4" = 1'-0"



TYPICAL SHIM/GROUT DETAIL (UNDER TREAD) Scale: Not To Scale  
TYPICAL SECTION Scale: 1/2" = 1'-0"  
TYPICAL TREAD SPACING DETAIL Scale: Not To Scale

| NO. | DATE | DESCRIPTION | BY: |
|-----|------|-------------|-----|
| 6   |      |             |     |
| 5   |      |             |     |
| 4   |      |             |     |
| 3   |      |             |     |
| 2   |      |             |     |
| 1   |      |             |     |

Patented Product: U.S. Patent #5,908,084 #5,302,362 #5,622,605 #5,636,588 #5,096,873

PREPARED FOR: TOWN OF GLASTONBURY, CT

PROJECT TITLE: GLASTONBURY MULTI-USE PATH PHASE II FROM HOUSE STREET TO WESTERN BOULEVARD, GLASTONBURY, CONNECTICUT

DATE: 06/20/2018

DESIGNED BY: EMD

DRAWN BY: EMD

CHECKED BY: EMD

SHEET NO. PT01

| NO. | DATE | DESCRIPTION | BY: |
|-----|------|-------------|-----|
| 6   |      |             |     |
| 5   |      |             |     |
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| 2   |      |             |     |
| 1   |      |             |     |

Patented Product: U.S. Patent #5,908,084 #5,302,362 #5,622,605 #5,636,588 #5,096,873

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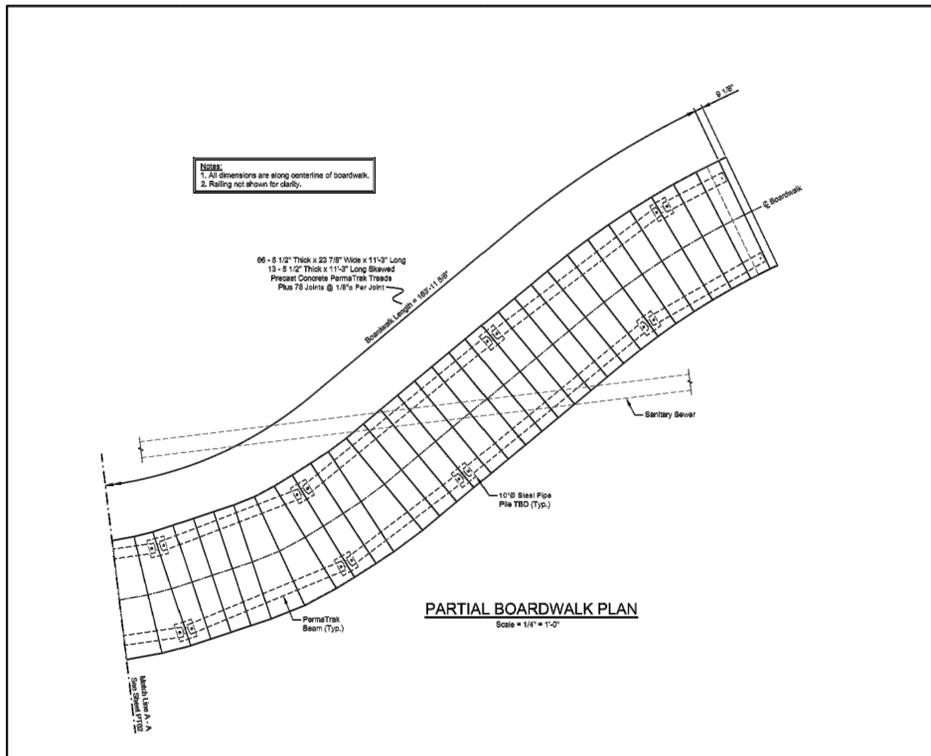
DATE: 06/20/2018

DESIGNED BY: EMD

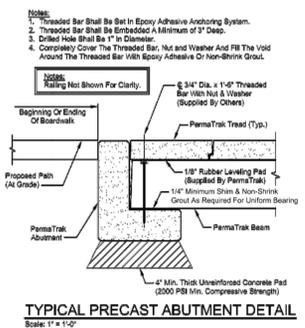
DRAWN BY: EMD

CHECKED BY: EMD

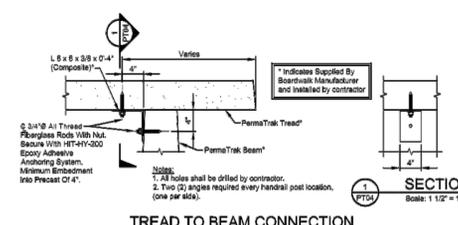
SHEET NO. PT02



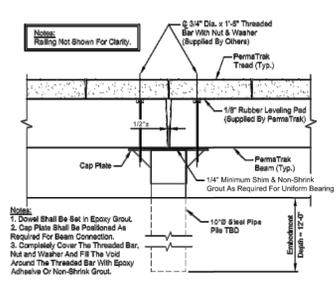
PARTIAL BOARDWALK PLAN  
Scale = 1/4" = 1'-0"



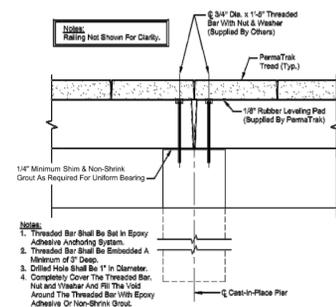
TYPICAL PRECAST ABUTMENT DETAIL  
Scale: 1" = 1'-0"



TREAD TO BEAM CONNECTION  
Scale: Not To Scale



SECTION  
Scale: 1/2" = 1'-0"



ALTERNATE PIER CONNECTION OPTION  
Scale: 1" = 1'-0"

| NO. | DATE | DESCRIPTION | BY: |
|-----|------|-------------|-----|
| 6   |      |             |     |
| 5   |      |             |     |
| 4   |      |             |     |
| 3   |      |             |     |
| 2   |      |             |     |
| 1   |      |             |     |

Patented Product: U.S. Patent #5,908,084 #5,302,362 #5,622,605 #5,636,588 #5,096,873

PREPARED FOR: TOWN OF GLASTONBURY, CT

PROJECT TITLE: GLASTONBURY MULTI-USE PATH PHASE II FROM HOUSE STREET TO WESTERN BOULEVARD, GLASTONBURY, CONNECTICUT

DATE: 06/20/2018

DESIGNED BY: EMD

DRAWN BY: EMD

CHECKED BY: EMD

SHEET NO. PT02

| NO. | DATE | DESCRIPTION | BY: |
|-----|------|-------------|-----|
| 6   |      |             |     |
| 5   |      |             |     |
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| 3   |      |             |     |
| 2   |      |             |     |
| 1   |      |             |     |

Patented Product: U.S. Patent #5,908,084 #5,302,362 #5,622,605 #5,636,588 #5,096,873

PREPARED FOR: TOWN OF GLASTONBURY, CT

PROJECT TITLE: GLASTONBURY MULTI-USE PATH PHASE II FROM HOUSE STREET TO WESTERN BOULEVARD, GLASTONBURY, CONNECTICUT

DATE: 06/20/2018

DESIGNED BY: EMD

DRAWN BY: EMD

CHECKED BY: EMD

SHEET NO. PT04

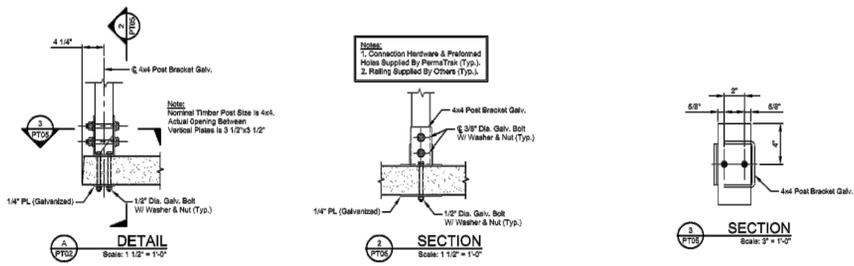
Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

| NO. | DESCRIPTION                  | DATE      |
|-----|------------------------------|-----------|
| 4.  | ISSUED FOR CONSTRUCTION      | 8-8-2019  |
| 3.  | 100% CONSTRUCTION SUBMISSION | 3-25-2019 |
| 2.  | REVISED FOR PERMITTING       | 6-19-2018 |
| 1.  | ISSUED FOR PERMITTING        | 1-25-2017 |



**BOARDWALK CONCEPT PLANS  
PROPOSED MULTI-USE PATH  
FROM  
HOUSE STREET TO  
WESTERN BOULEVARD  
GLASTONBURY, CONNECTICUT**



|     |      |             |     |               |                         |
|-----|------|-------------|-----|---------------|-------------------------|
| 4   |      |             |     | PREPARED FOR: | TOWN OF GLASTONBURY, CT |
| 3   |      |             |     |               |                         |
| 2   |      |             |     |               |                         |
| 1   |      |             |     |               |                         |
| NO. | DATE | DESCRIPTION | BY: |               |                         |

Patented Product U.S. Patent #5,908,084 #6,302,382 #6,522,505 #6,530,888 #6,088,976

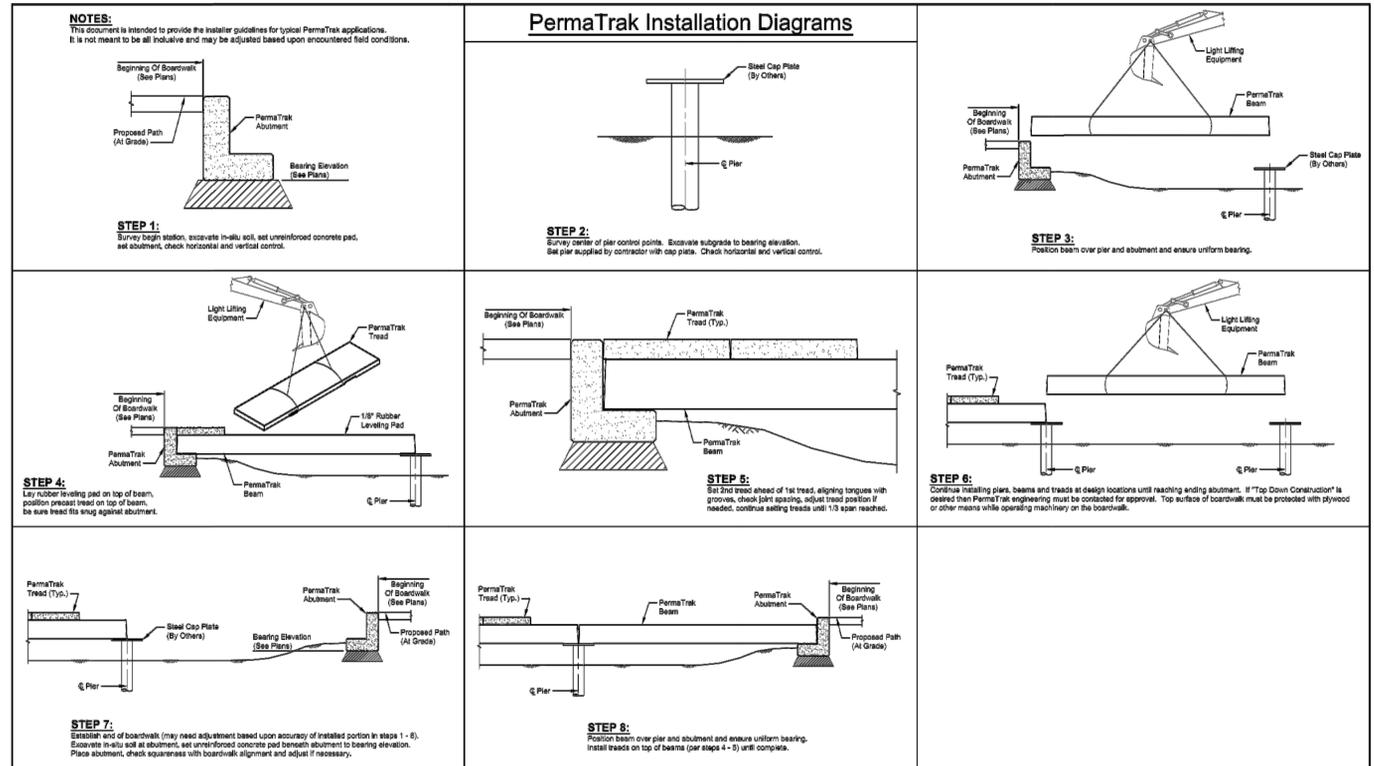
JOB NUMBER: 2017-004 DATE: 08/20/2018

DESIGNED BY: EMD DRAWN BY: EMD CHECKED BY: EMD SHEET NO: PT05

OFFICE LOCATIONS: FLORIDA, GEORGIA, LOUISIANA, NORTH CAROLINA, OHIO

PROJECT TITLE: GLASTONBURY MULTI-USE PATH PHASE II FROM HOUSE STREET TO WESTERN BOULEVARD, GLASTONBURY, CONNECTICUT

PermaTrak The Concrete Boardwalk Company www.permatrak.com TEL: 877-332-7882



|     |      |             |     |               |                         |
|-----|------|-------------|-----|---------------|-------------------------|
| 4   |      |             |     | PREPARED FOR: | TOWN OF GLASTONBURY, CT |
| 3   |      |             |     |               |                         |
| 2   |      |             |     |               |                         |
| 1   |      |             |     |               |                         |
| NO. | DATE | DESCRIPTION | BY: |               |                         |

Patented Product U.S. Patent #5,908,084 #6,302,382 #6,522,505 #6,530,888 #6,088,976

JOB NUMBER: 2017-004 DATE: 08/20/2018

DESIGNED BY: EMD DRAWN BY: EMD CHECKED BY: EMD SHEET NO: PT06

OFFICE LOCATIONS: FLORIDA, GEORGIA, LOUISIANA, NORTH CAROLINA, OHIO

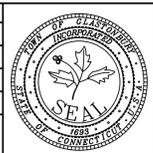
PROJECT TITLE: GLASTONBURY MULTI-USE PATH PHASE II FROM HOUSE STREET TO WESTERN BOULEVARD, GLASTONBURY, CONNECTICUT

PermaTrak The Concrete Boardwalk Company www.permatrak.com TEL: 877-332-7882

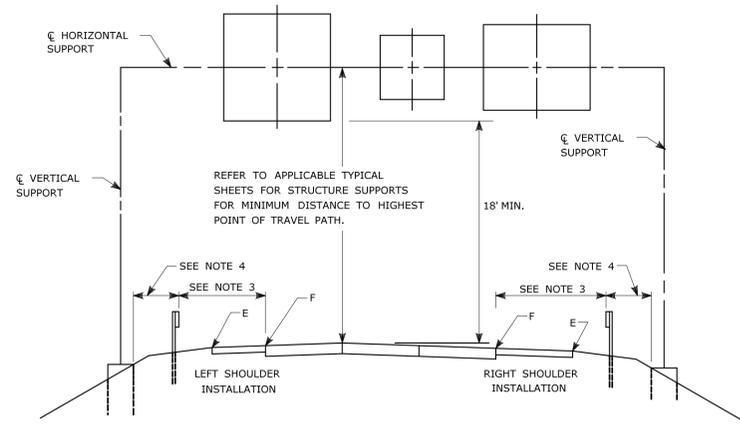
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DANIEL A. PENNINGTON P.E. Reg. No. 20101

| DRAWING ISSUE STATUS |                              | SCALE: AS SHOWN | DATE:                         |
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| 4.                   | ISSUED FOR CONSTRUCTION      | 8-8-2019        | CHECKED BY: S.M.B. 6-20-2018  |
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| 2.                   | REVISED FOR PERMITTING       | 6-19-2018       | ST. FILE:                     |
| 1.                   | ISSUED FOR PERMITTING        | 1-25-2017       |                               |
| NO.                  | DESCRIPTION                  | DATE            |                               |



**BOARDWALK CONCEPT PLANS  
PROPOSED MULTI-USE PATH  
FROM  
HOUSE STREET TO  
WESTERN BOULEVARD  
GLASTONBURY, CONNECTICUT**



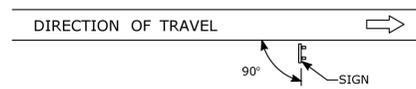
**TYPICAL PLACEMENT OF OVERHEAD SIGNS ON SIGN SUPPORTS**

**NOTES:**

- 1) FOR PLACEMENT OF CANTILEVER SIGN SUPPORT USE APPLICABLE PORTION OF ABOVE DETAIL.
- 2) BARRIER SYSTEMS MAY BE REQUIRED FOR BOTH SIDES OF SUPPORTS IN MEDIANS.
- 3) IMPACT PROTECTION SHALL BE PROVIDED FOR THE SIGN SUPPORTS LOCATED WITHIN CLEAR ZONE.
- 4) SIGN SUPPORT FOUNDATIONS SHALL BE LOCATED OUTSIDE OF BARRIER SYSTEMS DEFLECTION AREA.
- 5) ALL SIGNS ARE TO BE LEVEL, REGARDLESS OF CAMBER IN SUPPORT.

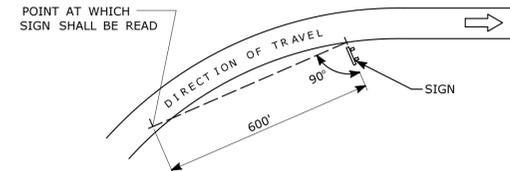
FOR MAXIMUM EFFECTIVENESS, POSITION SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS AS FOLLOWS:

ON A TANGENT SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH THE TRAFFIC LANE WHICH THE SIGN SERVES. SIGNS LOCATED 30 FT OR MORE FROM THE EDGE OF THE ROAD SHALL BE TURNED APPROXIMATELY 3° TOWARD THE ROAD.



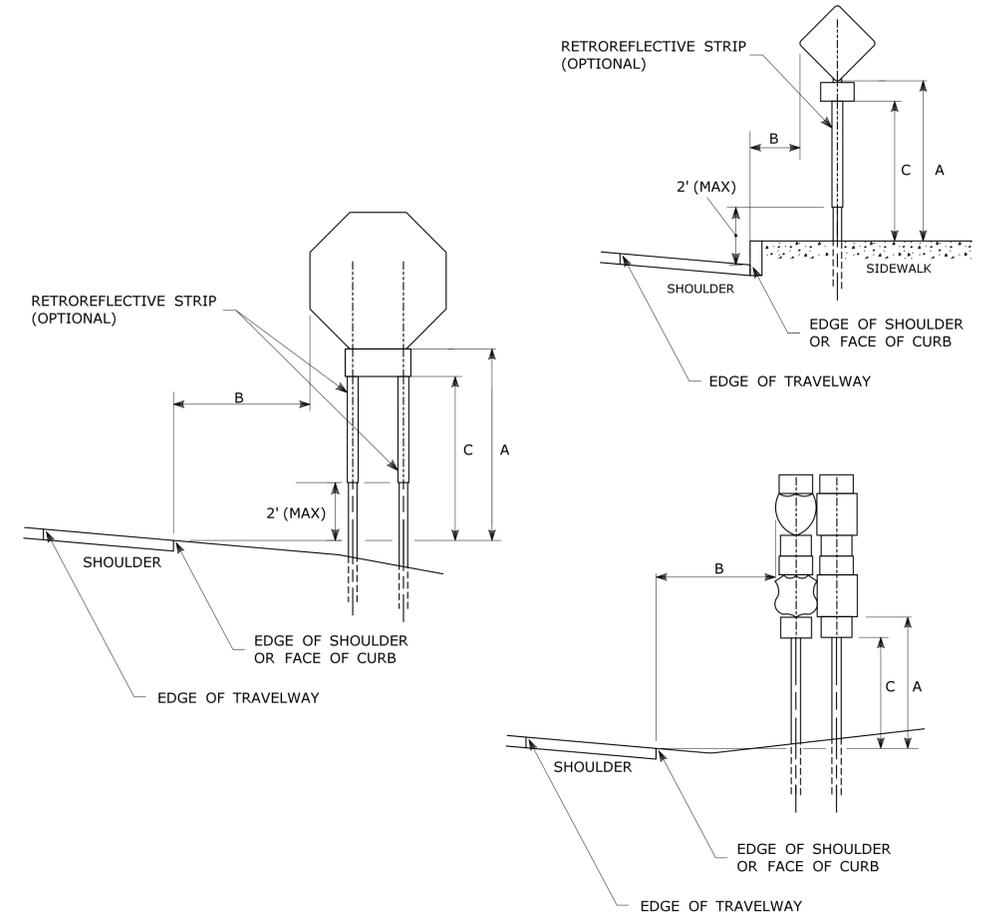
**DIAGRAM "A"**

ON A HORIZONTAL CURVE SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH A STRAIGHT LINE BETWEEN THE SIGN AND THE POINT AT WHICH THE SIGN SHALL BE READ.



**DIAGRAM "B"**

**SIGN ORIENTATION DETAILS FOR SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS**



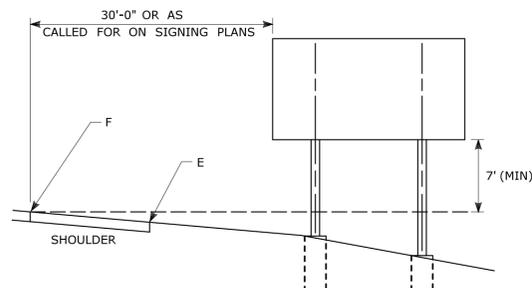
**TYPICAL SIGN PLACEMENT DETAIL**

**NOTES:**

ALL SIGNS AND SHIELDS ON DIRECTIONAL ASSEMBLIES SHALL ABUT VERTICALLY. REFER TO STANDARD SHEET No. TR-1208-02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR SIGN POSTS AND SIGN MOUNTING. IF A RETROREFLECTIVE STRIP IS USED ON SIGN SUPPORT, IT SHALL BE PLACED FOR THE FULL LENGTH OF THE SUPPORT FROM THE BOTTOM OF THE SIGN TO WITHIN 2 FT ABOVE THE EDGE OF THE ROADWAY. PARKING SIGNS TYPICALLY USE 45° MOUNTING BRACKET.

| DIM."A" MIN SIGN HEIGHT | DIM."B" MIN LATERAL OFFSET | DIM."C" MIN PLAQUE HEIGHT | ASSEMBLY LOCATION  |
|-------------------------|----------------------------|---------------------------|--|
| 7' $\triangle$          | 6' $\triangle$             | 5'                        | SIGNS ON FREEWAYS AND EXPRESSWAYS EXCEPT CHEVRON ALIGNMENT SIGNS, ONE-DIRECTION LARGE ARROW SIGNS, DO NOT ENTER SIGNS, AND WRONG WAY SIGNS   |
| 5'                      | 2'                         | 4'                        | <ul style="list-style-type: none"> <li>• SIGNS IN RURAL AREAS</li> <li>• DO NOT ENTER AND WRONG WAY SIGNS ALONG EXIT RAMP</li> <li>• DO NOT ENTER AND WRONG WAY SIGNS ON LIMITED ACCESS HIGHWAYS</li> </ul>                                  |
| 5'                      | 2'                         | N/A                       | <ul style="list-style-type: none"> <li>• CHEVRON ALIGNMENT SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMP, AND IN RURAL AREAS</li> <li>• ONE-DIRECTION LARGE ARROW SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMP, AND IN RURAL AREAS</li> </ul> |
| 4'                      | 2'                         | 4'                        | CENTRAL ISLANDS OF ROUNDABOUTS   |
| 7'                      | 2' $\triangle$             | 6'                        | BUSINESS & RESIDENTIAL AREAS WHERE PARKING OR OTHER OBSTRUCTIONS LIMIT VISIBILITY  |
| 7'                      | 2' $\triangle$             | 7'                        | SIDEWALKS $\triangle$  |

- $\triangle$  OR AS DIRECTED BY THE ENGINEER
- $\triangle 1$  8 FT MINIMUM HEIGHT REQUIRED IF A SUPPLEMENTAL PLAQUE IS SUBMOUNTED BELOW THE MAJOR SIGN.
- $\triangle 2$  6 FT FROM EDGE OF SHOULDER, WHEN SHOULDER IS OVER 6 FT WIDE
- $\triangle 3$  12 FT FROM EDGE OF TRAVELWAY, WHEN SHOULDER IS LESS THAN 6 FT WIDE.
- $\triangle 4$  A LATERAL OFFSET OF AT LEAST 1 FT FROM THE FACE OF THE CURB MAY BE USED WHERE SIDEWALK WIDTH IS LIMITED OR WHERE EXISTING UTILITY POLES ARE CLOSE TO THE CURB.
- $\triangle 5$  A CLEAR PATH OF NOT LESS THAN 4 FT SHALL BE PROVIDED IN SIDEWALK AREAS.

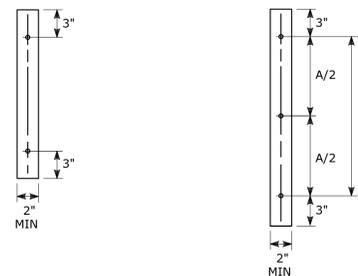


**TYPICAL PLACEMENT OF SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS**

**NOTES:**

- 1) MIN. VERTICAL CLEARANCE ABOVE SIDEWALKS SHALL BE 7'.
- 2) WHERE GUIDE RAIL IS USED, THE OFFSET TO THE NEAR EDGE OF SIGN FACE SHALL BE AS SHOWN ELSEWHERE IN THE CONTRACT PLANS.
- 3) ON INTERSECTING ROADS AT RAMP TERMINI, THE OFFSET TO THE NEAR EDGE OF OF SIGN FACE SHALL BE 6' MIN. FROM POINT "E".
- 4) IF 30'-0" MIN. CANNOT BE MET, PLEASE CONTACT THE ENGINEER.

RETROREFLECTIVE STRIPS 48" LONG OR LESS:      RETROREFLECTIVE STRIPS OVER 48" LONG:

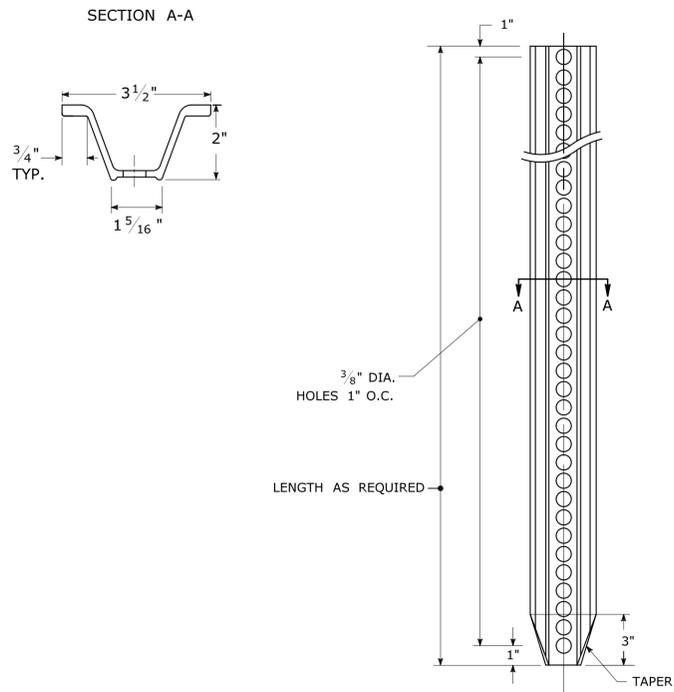


**RETROREFLECTIVE STRIP DETAIL**

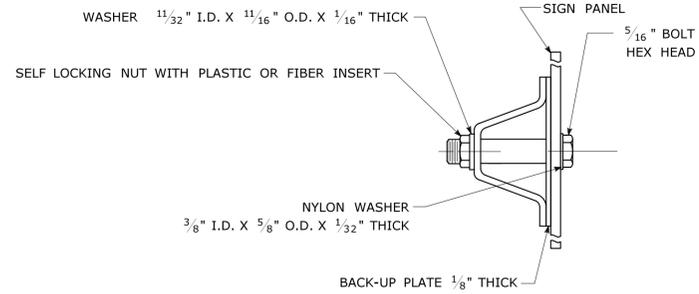
**NOTES:**

RETROREFLECTIVE STRIPS WHICH ARE 48 IN LONG OR LESS SHALL BE ATTACHED USING 2 BOLTS AND RETROREFLECTIVE STRIPS OVER 48 IN LONG SHALL BE ATTACHED USING 3 BOLTS AS SHOWN ON THE DETAILS ABOVE. REFER TO STANDARD SHEET No. TR-1208-02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR MOUNTING DETAILS. RETROREFLECTIVE STRIP COLOR SHALL MATCH THE BACKGROUND COLOR OF THE SIGN, EXCEPT THAT THE COLOR OF THE STRIP FOR "YIELD" AND "DO NOT ENTER" SIGNS SHALL BE RED.

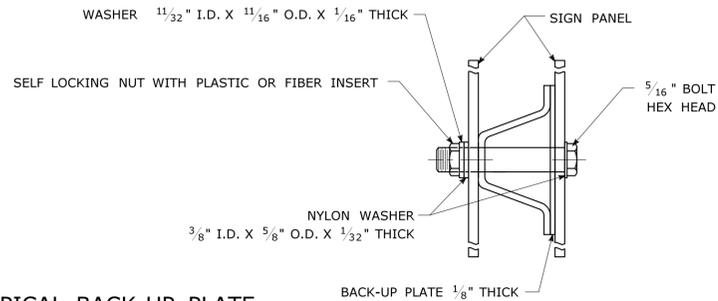
TYPICAL METAL SIGN POSTS



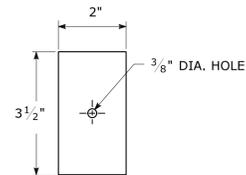
TYPICAL SIGN PANEL ATTACHMENT



TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT



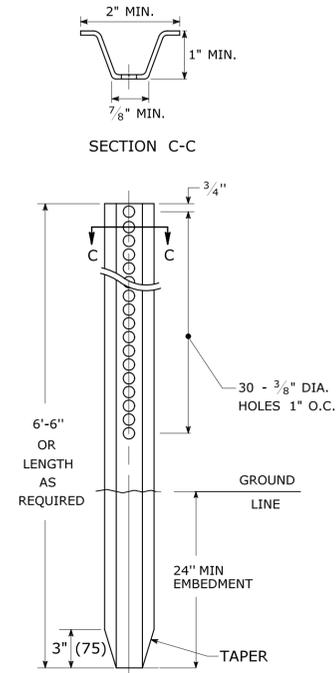
TYPICAL BACK-UP PLATE



BOLTS - STAINLESS STEEL CONFORMING TO ASTM F593, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).  
 SELF LOCKING NUTS - STAINLESS STEEL CONFORMING TO ASTM F594, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).  
 WASHERS - STAINLESS STEEL CONFORMING TO ASTM A240, (ALLOY TYPES 304 OR 316).

METAL DELINEATOR POST

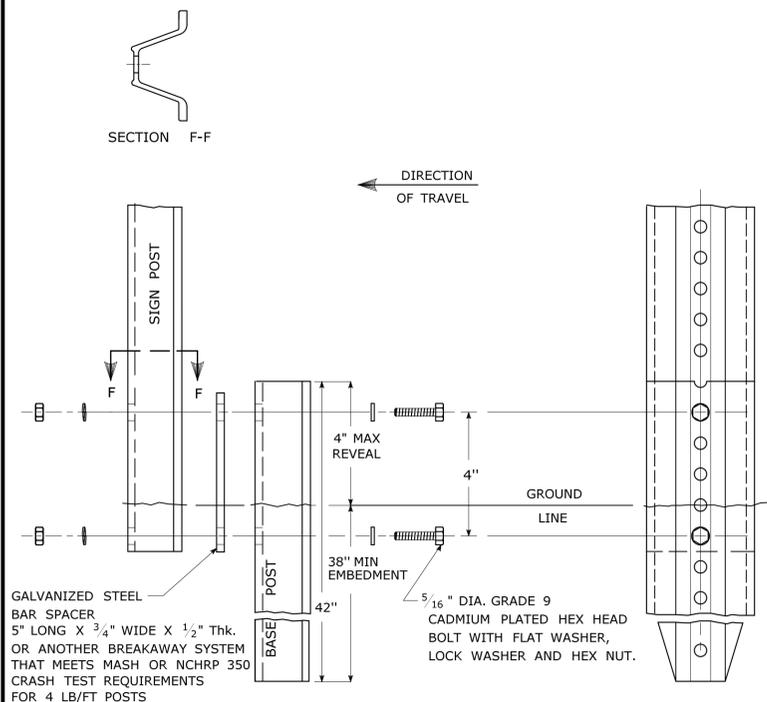
WT./FT. = 1.12 LBS./FT. MIN.



GENERAL NOTES:

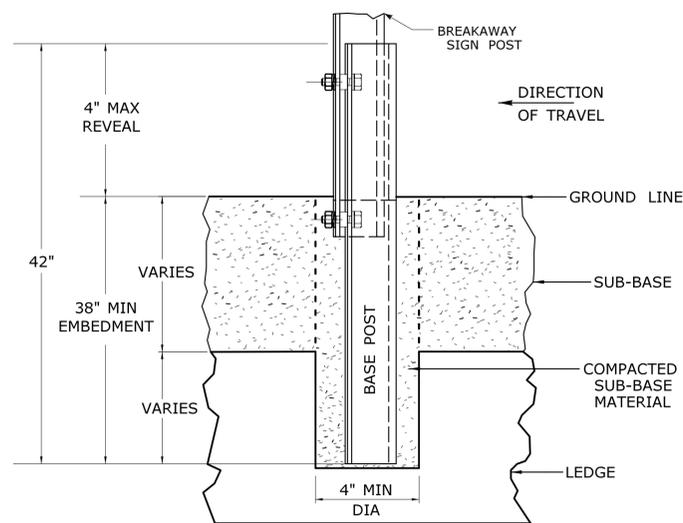
- STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36 STEEL. STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 80 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91 LBS. OR GREATER PER LINEAR YARD.
- AFTER FABRICATION, ALL STEEL POSTS, STRAPS AND PLATES SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A123.
- WASHERS FOR BREAKAWAY INSTALLATIONS SHALL MEET ASTM F436, TYPE 1.
- SPACER BAR FOR BREAKAWAY INSTALLATION SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A36.
- ALL BOLTS, NUTS, AND WASHERS FOR BREAKAWAY INSTALLATIONS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A153.
- ALL SIGN POSTS SHALL HAVE BREAKAWAY FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS." THE BREAKAWAY FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 MPH WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- SIGN POSTS SHALL BE 4 LBS./FT.

BREAKAWAY INSTALLATION FOR 4 LBS./FT. POSTS

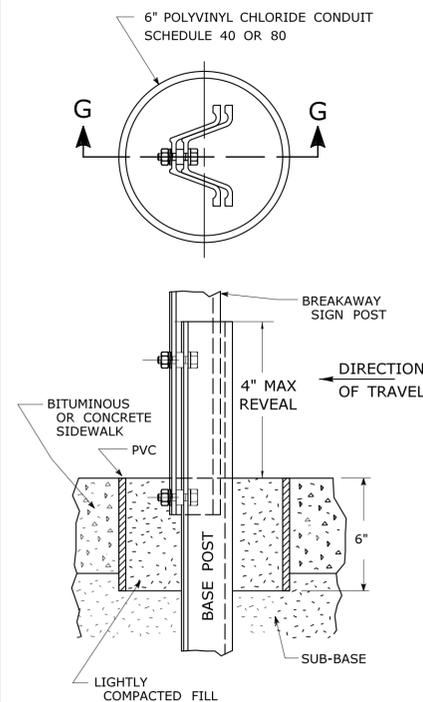


TYPICAL SIGN POST INSTALLATION IN LEDGE

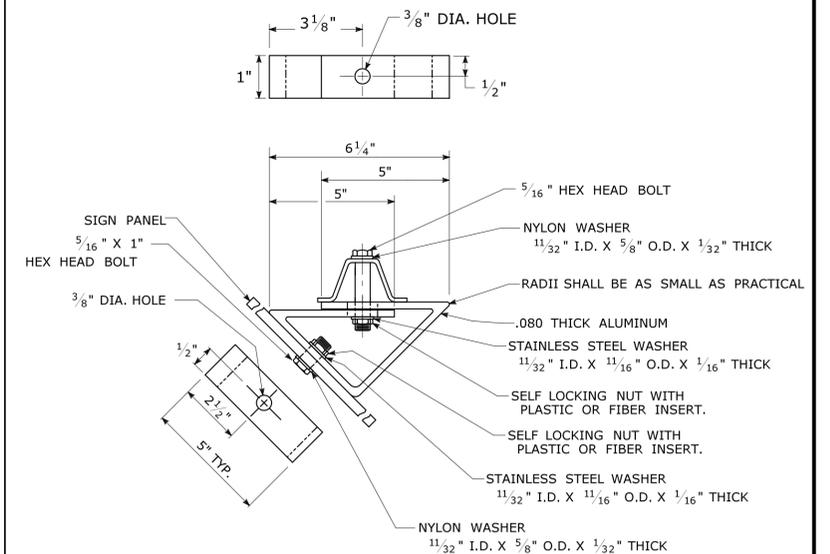
LEDGE SHALL BE REMOVED TO DRIVE THE BASE POST TO A DEPTH OF 38".  
 HOLE SHALL BE FILLED WITH SUB-BASE MATERIAL AND COMPACTED WITH A TAMPING BAR, OR TECHNIQUE APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.



TYPICAL SLEEVE FOR PAVED AREAS



45° MOUNTING BRACKET FOR INSTALLATION OF PARKING SIGNS



| REV. | DATE   | REVISION DESCRIPTION |
|------|--------|----------------------|
| 2    | 6-2017 | SIGN POST REVISIONS. |
| 1    | 2-2011 | MINOR REVISIONS.     |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/6/2017

NOT TO SCALE



Filename: TR-1208\_02\_May\_2017\_Revision.dgn Model: TR-1208\_02

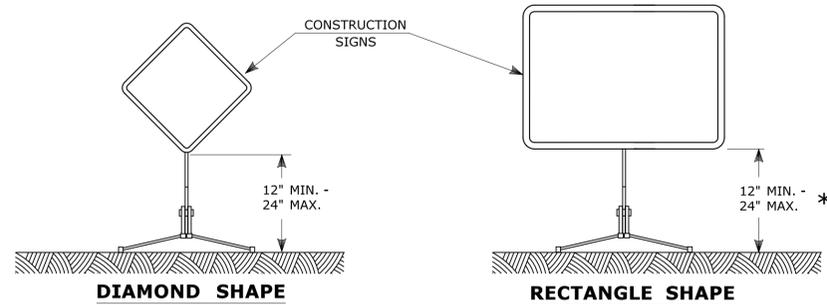
|               |                 |
|---------------|-----------------|
| SUBMITTED BY: | NAME/DATE/TIME: |
| APPROVED BY:  | NAME/DATE/TIME: |

CTDOT  
 STANDARD SHEET  
 OFFICE OF ENGINEERING

STANDARD SHEET TITLE:  
**METAL SIGN POSTS AND SIGN MOUNTING DETAILS**

GUIDE SHEET NO.:  
**TR-1208\_02**

| E5 - SERIES   |               |                |         | G20 - SERIES  |               |                |       | M4 - SERIES |      |          |         | R1 - SERIES  |  |          |       | R9 & R11 - SERIES  |               |                |                | W1 - SERIES   |               |                |   | W3 - SERIES  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
|---|---------------|----------------|---------|---------------|---------------|----------------|-------|-------------|------|----------|---------|--|--|----------|-------|--|---------------|----------------|----------------|---------------|---------------|----------------|---|--|--|---------|---------------|---|----------------|----------------|----------------|--|---------------|----------------|---|--|--|----------------|---------------|---------------|----------------|----------------|----------------|--|----------|---------|---------|--|---|----------------|---|--|---------------|----------------|----------------|---------------|----------------|----------------|---------|--|---------|---------|---|---|---------------|----------------|---------------|---|---|----------------|-------|--|---------------|----------------|---|--|---------------|----------------|---------------|---|----------------|----------------|---------|---------------|---------------|----------------|--|--|--|----------|---------------|---------------|----------------|----------------|----------------|--|----------|----------|----------|---|---------------|----------------|---|---------------|---------------|----------------|---------------|---------------|----------------|---------|-----|----|---------|---|------|----|---------|---|
| <p>COPY &amp; BORDER - WHITE<br/>BACKGROUND - GREEN</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>16.0</td> <td>48</td> <td>51-6147</td> <td>2</td> </tr> </tbody> </table>  |               |                |         | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS | 16.0        | 48   | 51-6147  | 2       | <p>END ROAD WORK</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>8.0</td> <td>48X24</td> <td>80-9612</td> <td>2</td> </tr> </tbody> </table>  |  |          |       | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS          | 8.0           | 48X24         | 80-9612        | 2   | <p>DETOUR</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>2.0</td> <td>24X12</td> <td>80-9707</td> <td>1</td> </tr> </tbody> </table> |  |         |               | AREA (SQ. FT)   | SIZE (INCHES)  | CONN. D.O.T. # | POSTS          | 2.0  | 24X12         | 80-9707        | 1   | <p>STOP</p> <p>* COPY &amp; BORDER - WHITE<br/>BACKGROUND - RED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>5.19</td> <td>30</td> <td>31-0552</td> <td>1</td> </tr> <tr> <td>13.30</td> <td>48</td> <td>31-0557</td> <td>2</td> </tr> </tbody> </table> |  |                |               | AREA (SQ. FT) | SIZE (INCHES)  | CONN. D.O.T. # | POSTS          | 5.19   | 30       | 31-0552 | 1       | 13.30  | 48  | 31-0557        | 2   | <p>SIDEWALK CLOSED</p> <p>COPY &amp; BORDER - BLACK<br/>BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>3.75</td> <td>30X18</td> <td>80-9076</td> <td>1</td> </tr> </tbody> </table> |               |                |                | AREA (SQ. FT) | SIZE (INCHES)  | CONN. D.O.T. # | POSTS   | 3.75   | 30X18   | 80-9076 | 1   | <p>ROAD CLOSED<br/>00 MILES AHEAD<br/>LOCAL TRAFFIC ONLY</p> <p>VARIABLE MILEAGE<br/>COPY &amp; BORDER - BLACK<br/>BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>12.5</td> <td>60X30</td> <td>80-9077</td> <td>2</td> </tr> </tbody> </table> |               |                |               | AREA (SQ. FT)   | SIZE (INCHES)   | CONN. D.O.T. # | POSTS | 12.5   | 60X30         | 80-9077        | 2   | <p>(L) (R)</p> <p>BOTH LANES SHIFT LEFT AHEAD (L) (R)</p> <p>BOTH LANES SHIFT RIGHT AHEAD (L) (R)</p> <p>AHEAD (L) (R)</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9432L</td> <td>1</td> </tr> <tr> <td>9.0</td> <td>36</td> <td>80-9431R</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9452L</td> <td>2</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9451R</td> <td>2</td> </tr> </tbody> </table> |               |                |               | AREA (SQ. FT)   | SIZE (INCHES)  | CONN. D.O.T. # | POSTS   | 9.0           | 36            | 80-9432L       | 1  | 9.0  | 36   | 80-9431R | 1             | 16.0          | 48             | 80-9452L       | 2              | 16.0   | 48       | 80-9451R | 2        | <p>STOP AHEAD</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9808</td> <td>1</td> </tr> </tbody> </table> |               |                |   | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS         | 9.0           | 36             | 80-9808 | 1   |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 51-6147        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 8.0   | 48X24         | 80-9612        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 2.0   | 24X12         | 80-9707        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 5.19  | 30            | 31-0552        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 13.30   | 48            | 31-0557        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 3.75  | 30X18         | 80-9076        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 12.5  | 60X30         | 80-9077        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9432L       | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9431R       | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9452L       | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9451R       | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9808        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| <p>WORK AREA<br/>BE PREPARED<br/>TO STOP</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9711</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9712</td> <td>2</td> </tr> </tbody> </table>   |               |                |         | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS | 9.0         | 36   | 80-9711  | 1       | 16.0   | 48   | 80-9712  | 2     | <p>END DETOUR</p> <p>VARIABLE ARROW<br/>COPY &amp; BORDER - RED<br/>BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>3.90</td> <td>36</td> <td>31-0523</td> <td>1</td> </tr> <tr> <td>10.83</td> <td>60</td> <td>31-0528</td> <td>2B</td> </tr> </tbody> </table> |               |                |                | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS   | 3.90   | 36   | 31-0523 | 1             | 10.83   | 60             | 31-0528        | 2B             | <p>YIELD</p> <p>* COPY &amp; BORDER - RED<br/>BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>3.90</td> <td>36</td> <td>31-0523</td> <td>1</td> </tr> <tr> <td>10.83</td> <td>60</td> <td>31-0528</td> <td>2B</td> </tr> </tbody> </table>       |               |                |   | AREA (SQ. FT)  | SIZE (INCHES)  | CONN. D.O.T. # | POSTS         | 3.90          | 36             | 31-0523        | 1              | 10.83  | 60       | 31-0528 | 2B      | <p>SIDEWALK CLOSED<br/>AHEAD<br/>CROSS HERE</p> <p>VARIABLE ARROW<br/>COPY &amp; BORDER - BLACK<br/>BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>3.0</td> <td>24X18</td> <td>80-9074</td> <td>1</td> </tr> </tbody> </table>  |   |                |   | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS          | 3.0           | 24X18          | 80-9074        | 1       | <p>BRIDGE CLOSED<br/>00 MILES AHEAD<br/>LOCAL TRAFFIC ONLY</p> <p>VARIABLE MILEAGE<br/>COPY &amp; BORDER - BLACK<br/>BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>12.5</td> <td>60X30</td> <td>80-9078</td> <td>2</td> </tr> </tbody> </table>  |         |         |   | AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS         | 12.5  | 60X30   | 80-9078        | 2     | <p>(L or R)</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>16.0</td> <td>48</td> <td>80-9436R</td> <td>2</td> </tr> <tr> <td>25.0</td> <td>60</td> <td>80-9468R</td> <td>2B</td> </tr> </tbody> </table>   |               |                |   | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS         | 16.0  | 48             | 80-9436R       | 2       | 25.0          | 60            | 80-9468R       | 2B   | <p>STOP AHEAD</p> <p>OCTAGON - RED W/ WHITE BORDER<br/>ARROW &amp; BORDER - BLACK<br/>BACKGROUND - FLUORESCENT ORANGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9050</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9051</td> <td>2</td> </tr> </tbody> </table>   |  |          |               | AREA (SQ. FT) | SIZE (INCHES)  | CONN. D.O.T. # | POSTS          | 9.0  | 36       | 80-9050  | 1        | 16.0  | 48            | 80-9051        | 2   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9711        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9712        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 3.90  | 36            | 31-0523        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 10.83   | 60            | 31-0528        | 2B      |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 3.90  | 36            | 31-0523        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 10.83   | 60            | 31-0528        | 2B      |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 3.0   | 24X18         | 80-9074        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 12.5  | 60X30         | 80-9078        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9436R       | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 25.0  | 60            | 80-9468R       | 2B      |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9050        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9051        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| <p>CONSTRUCTION AHEAD<br/>ROAD USE RESTRICTED<br/>STATE LIABILITY LIMITED</p> <p>GENERAL STATUTES SEC 13a-115, 13a-145<br/>COMMISSIONER OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>16-M</td> <td>5.0</td> <td>30X24</td> <td>80-1613</td> <td>1</td> </tr> <tr> <td>16-H</td> <td>17.5</td> <td>60X42</td> <td>80-1608</td> <td>2</td> </tr> <tr> <td>16-E</td> <td>35.0</td> <td>84X60</td> <td>80-1605</td> <td>2B</td> </tr> </tbody> </table> |               |                |         | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS | 16-M        | 5.0  | 30X24    | 80-1613 | 1  | 16-H   | 17.5     | 60X42 | 80-1608  | 2             | 16-E           | 35.0           | 84X60         | 80-1605       | 2B             | <p>NEXT 0 MILES</p> <p>VARIABLE MILEAGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>7.0</td> <td>72X14</td> <td>80-9720</td> <td></td> </tr> </tbody> </table> |  |  |         | AREA (SQ. FT) | SIZE (INCHES)   | CONN. D.O.T. # | POSTS          | 7.0            | 72X14  | 80-9720       |                | <p>DETOUR</p> <p>VARIABLE ARROW<br/>COPY &amp; BORDER - WHITE<br/>BACKGROUND - BLUE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>6.0</td> <td>48X18</td> <td>80-9701R</td> <td>2</td> </tr> <tr> <td>6.0</td> <td>48X18</td> <td>80-9702L</td> <td>2</td> </tr> </tbody> </table> |  |  |                | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS          | 6.0            | 48X18  | 80-9701R | 2       | 6.0     | 48X18  | 80-9702L  | 2              | <p>R4 - SERIES</p> <p>COPY &amp; BORDER - BLACK<br/>BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>5.0</td> <td>24X30</td> <td>31-1526</td> <td>1</td> </tr> </tbody> </table> |  |               |                | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS          | 5.0     | 24X30  | 31-1526 | 1       | <p>SIDEWALK CLOSED<br/>CROSS HERE</p> <p>VARIABLE ARROW<br/>COPY &amp; BORDER - BLACK<br/>BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>2.0</td> <td>24X12</td> <td>80-9075</td> <td>1</td> </tr> </tbody> </table> |   |               |                | AREA (SQ. FT) | SIZE (INCHES)   | CONN. D.O.T. #  | POSTS          | 2.0   | 24X12  | 80-9075       | 1              | <p>ROAD CLOSED<br/>THRU TRAFFIC</p> <p>COPY &amp; BORDER - BLACK<br/>BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>12.5</td> <td>60X30</td> <td>80-9081</td> <td>2</td> </tr> </tbody> </table> |  |               |                | AREA (SQ. FT) | SIZE (INCHES)   | CONN. D.O.T. # | POSTS          | 12.5    | 60X30         | 80-9081       | 2              | <p>(L) (R)</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>25.0</td> <td>60</td> <td>80-9443L</td> <td>2B</td> </tr> <tr> <td>25.0</td> <td>60</td> <td>80-9445R</td> <td>2B</td> </tr> </tbody> </table> |  |  |          | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS          | 25.0           | 60   | 80-9443L | 2B       | 25.0     | 60  | 80-9445R      | 2B             | <p>STOP AHEAD</p> <p>TRIANGLE - RED W/ WHITE BORDER<br/>ARROW &amp; BORDER - BLACK<br/>BACKGROUND - FLUORESCENT ORANGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9054</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9055</td> <td>2</td> </tr> </tbody> </table> |               |               |                | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS   | 9.0 | 36 | 80-9054 | 1 | 16.0 | 48 | 80-9055 | 2 |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16-M  | 5.0           | 30X24          | 80-1613 | 1             |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16-H  | 17.5          | 60X42          | 80-1608 | 2             |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16-E  | 35.0          | 84X60          | 80-1605 | 2B            |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 7.0   | 72X14         | 80-9720        |         |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 6.0   | 48X18         | 80-9701R       | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 6.0   | 48X18         | 80-9702L       | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 5.0   | 24X30         | 31-1526        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 2.0   | 24X12         | 80-9075        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 12.5  | 60X30         | 80-9081        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 25.0  | 60            | 80-9443L       | 2B      |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 25.0  | 60            | 80-9445R       | 2B      |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9054        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9055        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| <p>CONSTRUCTION AHEAD<br/>SIDEWALK USE RESTRICTED<br/>STATE LIABILITY LIMITED</p> <p>GENERAL STATUTES SEC 13a-115, 13a-145<br/>COMMISSIONER OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>16-S</td> <td>10.0</td> <td>48X30</td> <td>80-1619</td> <td>2</td> </tr> </tbody> </table>   |               |                |         | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS | 16-S        | 10.0 | 48X30    | 80-1619 | 2  | <p>BUSINESS ACCESS</p> <p>VARIABLE ARROW<br/>COPY &amp; BORDER - WHITE<br/>BACKGROUND - BLUE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>50-5934</td> <td>2</td> </tr> </tbody> </table> |          |       |  | AREA (SQ. FT) | SIZE (INCHES)  | CONN. D.O.T. # | POSTS         | 9.0           | 36             | 50-5934   | 2  | <p>DETOUR</p> <p>VARIABLE ARROW</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>5.0</td> <td>30X24</td> <td>80-9710</td> <td>1</td> </tr> </tbody> </table> |         |               |   | AREA (SQ. FT)  | SIZE (INCHES)  | CONN. D.O.T. # | POSTS  | 5.0           | 30X24          | 80-9710   | 1  | <p>ROAD CLOSED</p> <p>COPY &amp; BORDER - BLACK<br/>BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>10.0</td> <td>48X30</td> <td>80-9080</td> <td>2</td> </tr> </tbody> </table> |                |               |               | AREA (SQ. FT)  | SIZE (INCHES)  | CONN. D.O.T. # | POSTS  | 10.0     | 48X30   | 80-9080 | 2  | <p>ROAD WORK AHEAD<br/>FINES DOUBLED</p> <p>COPY &amp; BORDER - BLACK<br/>BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>14.0</td> <td>48X42</td> <td>31-1906</td> <td>2</td> </tr> <tr> <td>22.5</td> <td>60X54</td> <td>31-1907</td> <td>2</td> </tr> <tr> <td>30.0</td> <td>72X60</td> <td>31-1908</td> <td>2B</td> </tr> </tbody> </table> |                |   |  | AREA (SQ. FT) | SIZE (INCHES)  | CONN. D.O.T. # | POSTS         | 14.0           | 48X42          | 31-1906 | 2  | 22.5    | 60X54   | 31-1907   | 2   | 30.0          | 72X60          | 31-1908       | 2B  | <p>(L) (R)</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>3.0</td> <td>18X24</td> <td>80-9401</td> <td>1</td> </tr> <tr> <td>5.0</td> <td>24X30</td> <td>80-9403</td> <td>1</td> </tr> <tr> <td>7.5</td> <td>30X36</td> <td>80-9404</td> <td>1</td> </tr> </tbody> </table> |                |       |  | AREA (SQ. FT) | SIZE (INCHES)  | CONN. D.O.T. #  | POSTS  | 3.0           | 18X24          | 80-9401       | 1   | 5.0            | 24X30          | 80-9403 | 1             | 7.5           | 30X36          | 80-9404  | 1  | <p>STOP AHEAD</p> <p>TOP CIRCLE - RED<br/>MIDDLE CIRCLE - YELLOW<br/>BOTTOM CIRCLE - GREEN<br/>COPY &amp; BORDER - BLACK<br/>BACKGROUND - FLUORESCENT ORANGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>25.0</td> <td>60</td> <td>80-9444L</td> <td>2B</td> </tr> <tr> <td>25.0</td> <td>60</td> <td>80-9446R</td> <td>2B</td> </tr> </tbody> </table> |          |               |               | AREA (SQ. FT)  | SIZE (INCHES)  | CONN. D.O.T. # | POSTS  | 25.0     | 60       | 80-9444L | 2B  | 25.0          | 60             | 80-9446R  | 2B            |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16-S  | 10.0          | 48X30          | 80-1619 | 2             |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 50-5934        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
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| 5.0   | 30X24         | 80-9710        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 10.0  | 48X30         | 80-9080        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 14.0  | 48X42         | 31-1906        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 22.5  | 60X54         | 31-1907        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 30.0  | 72X60         | 31-1908        | 2B      |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 3.0   | 18X24         | 80-9401        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 5.0   | 24X30         | 80-9403        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 7.5   | 30X36         | 80-9404        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 25.0  | 60            | 80-9444L       | 2B      |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 25.0  | 60            | 80-9446R       | 2B      |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| <p>W4-W6 - SERIES</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>16.0</td> <td>48</td> <td>80-9918L</td> <td>2</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9917R</td> <td>2</td> </tr> </tbody> </table>   |               |                |         | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS | 16.0        | 48   | 80-9918L | 2       | 16.0   | 48   | 80-9917R | 2     | <p>W8-W9 - SERIES</p> <p>BUMP</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9901</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9902</td> <td>2</td> </tr> </tbody> </table>   |               |                |                | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS   | 9.0  | 36   | 80-9901 | 1             | 16.0  | 48             | 80-9902        | 2              | <p>W13 - SERIES</p> <p>00 M.P.H.</p> <p>SUBPLATE SPEED<br/>VARIABLE SPEED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>4.0</td> <td>24</td> <td>80-9569</td> <td>1</td> </tr> <tr> <td>6.25</td> <td>30</td> <td>80-9567</td> <td>1</td> </tr> </tbody> </table> |               |                |   | AREA (SQ. FT)  | SIZE (INCHES)  | CONN. D.O.T. # | POSTS         | 4.0           | 24             | 80-9569        | 1              | 6.25   | 30       | 80-9567 | 1       | <p>W20 - SERIES</p> <p>ROAD WORK AHEAD</p> <p>LEFT LANES CLOSED (L) (R)</p> <p>RIGHT LANES CLOSED (L) (R)</p> <p>ROAD WORK 0000 FT</p> <p>LEFT TWO LANES CLOSED AHEAD (L) (R)</p> <p>RIGHT TWO LANES CLOSED AHEAD (L) (R)</p> <p>SLOW MOVING TRUCKS AHEAD</p> <p>ROAD WORK 1000 FT</p> <p>LEFT LANE CLOSED AHEAD (L) (R)</p> <p>RIGHT LANE CLOSED AHEAD (L) (R)</p> <p>AHEAD</p> <p>ONE LANE ROAD AHEAD</p> <p>LEFT LANE CLOSED (L) (R)</p> <p>RIGHT LANE CLOSED (L) (R)</p> <p>VARIABLE MILEAGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>6.25</td> <td>30</td> <td>80-9602</td> <td>1</td> </tr> <tr> <td>9.0</td> <td>36</td> <td>80-9603</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9604</td> <td>2</td> </tr> </tbody> </table> |   |                |   | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS          | 6.25          | 30             | 80-9602        | 1       | 9.0  | 36      | 80-9603 | 1   | 16.0  | 48            | 80-9604        | 2             | <p>W21 - SERIES</p> <p>SURVEY CREW</p> <p>TURN OFF 2-WAY RADIO AND CELL PHONE</p> <p>STAY IN LINE</p> <p>USE SHOULDER</p> <p>SHOULDER CLOSED AHEAD (1) (2)</p> <p>SHOULDER CLOSED (1) (2)</p> <p>NEW</p> <p>COPY &amp; BORDER - BLACK<br/>BACKGROUND - YELLOW</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9607</td> <td>1</td> </tr> </tbody> </table> |   |                |       | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS   | 9.0  | 36            | 80-9607        | 1             | <p>W22 - SERIES</p> <p>BLASTING ZONE 1000 FT</p> <p>END BLASTING ZONE</p> <p>PEDESTRIAN DETOUR</p> <p>1 MILE</p> <p>VARIABLE MILEAGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9620</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9625</td> <td>2</td> </tr> </tbody> </table> |                |                |         | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS  | 9.0  | 36   | 80-9620  | 1             | 16.0          | 48             | 80-9625        | 2              | <p>(VARIABLE LEGEND)</p> <p>BLANK OR VARIABLE LEGEND</p> <p>(VARIABLE LEGEND)</p> <p>STOP-SLOW PADDLE</p> <p>SIDE A * STOP</p> <p>SIDE B * SLOW</p> <p>SIDE A BACKGROUND - RED<br/>COPY &amp; BORDER - WHITE</p> <p>SIDE B BACKGROUND - ORANGE<br/>COPY &amp; BORDER - BLACK PLAIN</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>2.51</td> <td>19</td> <td>80-9950</td> <td>PADDLE</td> </tr> </tbody> </table> |          |          |          | AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   | 2.51          | 19            | 80-9950        | PADDLE        |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9918L       | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9917R       | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9901        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9902        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 4.0   | 24            | 80-9569        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 6.25  | 30            | 80-9567        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 6.25  | 30            | 80-9602        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9603        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9604        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9607        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9620        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9625        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 2.51  | 19            | 80-9950        | PADDLE  |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| <p>W4-2</p> <p>(L) (R)</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>16.0</td> <td>48</td> <td>80-9918L</td> <td>2</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9917R</td> <td>2</td> </tr> </tbody> </table>  |               |                |         | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS | 16.0        | 48   | 80-9918L | 2       | 16.0   | 48   | 80-9917R | 2     | <p>W8-1</p> <p>BUMP</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9901</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9902</td> <td>2</td> </tr> </tbody> </table>   |               |                |                | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS   | 9.0  | 36   | 80-9901 | 1             | 16.0  | 48             | 80-9902        | 2              | <p>W13-1</p> <p>00 M.P.H.</p> <p>SUBPLATE SPEED<br/>VARIABLE SPEED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>4.0</td> <td>24</td> <td>80-9569</td> <td>1</td> </tr> <tr> <td>6.25</td> <td>30</td> <td>80-9567</td> <td>1</td> </tr> </tbody> </table>        |               |                |   | AREA (SQ. FT)  | SIZE (INCHES)  | CONN. D.O.T. # | POSTS         | 4.0           | 24             | 80-9569        | 1              | 6.25   | 30       | 80-9567 | 1       | <p>W20-1</p> <p>ROAD WORK AHEAD</p> <p>LEFT LANES CLOSED (L) (R)</p> <p>RIGHT LANES CLOSED (L) (R)</p> <p>ROAD WORK 0000 FT</p> <p>LEFT TWO LANES CLOSED AHEAD (L) (R)</p> <p>RIGHT TWO LANES CLOSED AHEAD (L) (R)</p> <p>SLOW MOVING TRUCKS AHEAD</p> <p>ROAD WORK 1000 FT</p> <p>LEFT LANE CLOSED AHEAD (L) (R)</p> <p>RIGHT LANE CLOSED AHEAD (L) (R)</p> <p>AHEAD</p> <p>ONE LANE ROAD AHEAD</p> <p>LEFT LANE CLOSED (L) (R)</p> <p>RIGHT LANE CLOSED (L) (R)</p> <p>VARIABLE MILEAGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>6.25</td> <td>30</td> <td>80-9602</td> <td>1</td> </tr> <tr> <td>9.0</td> <td>36</td> <td>80-9603</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9604</td> <td>2</td> </tr> </tbody> </table>        |   |                |   | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS          | 6.25          | 30             | 80-9602        | 1       | 9.0  | 36      | 80-9603 | 1   | 16.0  | 48            | 80-9604        | 2             | <p>W21-6</p> <p>SURVEY CREW</p> <p>TURN OFF 2-WAY RADIO AND CELL PHONE</p> <p>STAY IN LINE</p> <p>USE SHOULDER</p> <p>SHOULDER CLOSED AHEAD (1) (2)</p> <p>SHOULDER CLOSED (1) (2)</p> <p>NEW</p> <p>COPY &amp; BORDER - BLACK<br/>BACKGROUND - YELLOW</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9607</td> <td>1</td> </tr> </tbody> </table>        |   |                |       | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS   | 9.0  | 36            | 80-9607        | 1             | <p>W22-1</p> <p>BLASTING ZONE 1000 FT</p> <p>END BLASTING ZONE</p> <p>PEDESTRIAN DETOUR</p> <p>1 MILE</p> <p>VARIABLE MILEAGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9620</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9625</td> <td>2</td> </tr> </tbody> </table>        |                |                |         | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS  | 9.0  | 36   | 80-9620  | 1             | 16.0          | 48             | 80-9625        | 2              | <p>(VARIABLE LEGEND)</p> <p>BLANK OR VARIABLE LEGEND</p> <p>(VARIABLE LEGEND)</p> <p>STOP-SLOW PADDLE</p> <p>SIDE A * STOP</p> <p>SIDE B * SLOW</p> <p>SIDE A BACKGROUND - RED<br/>COPY &amp; BORDER - WHITE</p> <p>SIDE B BACKGROUND - ORANGE<br/>COPY &amp; BORDER - BLACK PLAIN</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>2.51</td> <td>19</td> <td>80-9950</td> <td>PADDLE</td> </tr> </tbody> </table> |          |          |          | AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   | 2.51          | 19            | 80-9950        | PADDLE        |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9918L       | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9917R       | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9901        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9902        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 4.0   | 24            | 80-9569        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 6.25  | 30            | 80-9567        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 6.25  | 30            | 80-9602        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9603        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9604        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9607        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9620        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9625        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 2.51  | 19            | 80-9950        | PADDLE  |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| <p>W4-3</p> <p>(L) (R)</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>16.0</td> <td>48</td> <td>80-9945</td> <td>2</td> </tr> </tbody> </table>   |               |                |         | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS | 16.0        | 48   | 80-9945  | 2       | <p>W8-2</p> <p>BUMP AHEAD</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9801</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9802</td> <td>2</td> </tr> </tbody> </table> |  |          |       | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS          | 9.0           | 36            | 80-9801        | 1   | 16.0   | 48   | 80-9802 | 2             | <p>W13-2</p> <p>REDUCE SPEED TO 00 MPH</p> <p>VARIABLE SPEED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9506</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9508</td> <td>2</td> </tr> </tbody> </table> |                |                |                | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS   | 9.0  | 36   | 80-9506        | 1             | 16.0          | 48             | 80-9508        | 2              | <p>W20-2</p> <p>ROAD WORK 0000 FT</p> <p>LEFT TWO LANES CLOSED AHEAD (L) (R)</p> <p>RIGHT TWO LANES CLOSED AHEAD (L) (R)</p> <p>SLOW MOVING TRUCKS AHEAD</p> <p>ROAD WORK 1000 FT</p> <p>LEFT LANE CLOSED AHEAD (L) (R)</p> <p>RIGHT LANE CLOSED AHEAD (L) (R)</p> <p>AHEAD</p> <p>ONE LANE ROAD AHEAD</p> <p>LEFT LANE CLOSED (L) (R)</p> <p>RIGHT LANE CLOSED (L) (R)</p> <p>VARIABLE MILEAGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9614</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9615</td> <td>2</td> </tr> </tbody> </table> |          |         |         | AREA (SQ. FT)  | SIZE (INCHES)   | CONN. D.O.T. # | POSTS   | 9.0  | 36            | 80-9614        | 1              | 16.0          | 48             | 80-9615        | 2       | <p>W21-2</p> <p>SURVEY CREW</p> <p>TURN OFF 2-WAY RADIO AND CELL PHONE</p> <p>STAY IN LINE</p> <p>USE SHOULDER</p> <p>SHOULDER CLOSED AHEAD (1) (2)</p> <p>SHOULDER CLOSED (1) (2)</p> <p>NEW</p> <p>COPY &amp; BORDER - BLACK<br/>BACKGROUND - YELLOW</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9607</td> <td>1</td> </tr> </tbody> </table> |         |         |   | AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS         | 9.0   | 36  | 80-9607        | 1     | <p>W22-2</p> <p>BLASTING ZONE 1000 FT</p> <p>END BLASTING ZONE</p> <p>PEDESTRIAN DETOUR</p> <p>1 MILE</p> <p>VARIABLE MILEAGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9620</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9625</td> <td>2</td> </tr> </tbody> </table> |               |                |   | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS         | 9.0   | 36             | 80-9620        | 1       | 16.0          | 48            | 80-9625        | 2  | <p>(VARIABLE LEGEND)</p> <p>BLANK OR VARIABLE LEGEND</p> <p>(VARIABLE LEGEND)</p> <p>STOP-SLOW PADDLE</p> <p>SIDE A * STOP</p> <p>SIDE B * SLOW</p> <p>SIDE A BACKGROUND - RED<br/>COPY &amp; BORDER - WHITE</p> <p>SIDE B BACKGROUND - ORANGE<br/>COPY &amp; BORDER - BLACK PLAIN</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>2.51</td> <td>19</td> <td>80-9950</td> <td>PADDLE</td> </tr> </tbody> </table> |  |          |               | AREA (SQ. FT) | SIZE (INCHES)  | CONN. D.O.T. # | POSTS          | 2.51   | 19       | 80-9950  | PADDLE   |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9945        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
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| 9.0   | 36            | 80-9801        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9802        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
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| 9.0   | 36            | 80-9506        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9508        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
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| 9.0   | 36            | 80-9614        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9615        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
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| 9.0   | 36            | 80-9607        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
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| 9.0   | 36            | 80-9620        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9625        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 2.51  | 19            | 80-9950        | PADDLE  |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| <p>W4-3</p> <p>(L) (R)</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>16.0</td> <td>48</td> <td>80-9945</td> <td>2</td> </tr> </tbody> </table>   |               |                |         | AREA (SQ. FT) | SIZE (INCHES) | CONN. D.O.T. # | POSTS | 16.0        | 48   | 80-9945  | 2       | <p>W8-2</p> <p>BUMP AHEAD</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9801</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9802</td> <td>2</td> </tr> </tbody> </table> |  |          |       | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS          | 9.0           | 36            | 80-9801        | 1   | 16.0   | 48   | 80-9802 | 2             | <p>W13-2</p> <p>REDUCE SPEED TO 00 MPH</p> <p>VARIABLE SPEED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9506</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9508</td> <td>2</td> </tr> </tbody> </table> |                |                |                | AREA (SQ. FT)  | SIZE (INCHES) | CONN. D.O.T. # | POSTS   | 9.0  | 36   | 80-9506        | 1             | 16.0          | 48             | 80-9508        | 2              | <p>W20-2</p> <p>ROAD WORK 0000 FT</p> <p>LEFT TWO LANES CLOSED AHEAD (L) (R)</p> <p>RIGHT TWO LANES CLOSED AHEAD (L) (R)</p> <p>SLOW MOVING TRUCKS AHEAD</p> <p>ROAD WORK 1000 FT</p> <p>LEFT LANE CLOSED AHEAD (L) (R)</p> <p>RIGHT LANE CLOSED AHEAD (L) (R)</p> <p>AHEAD</p> <p>ONE LANE ROAD AHEAD</p> <p>LEFT LANE CLOSED (L) (R)</p> <p>RIGHT LANE CLOSED (L) (R)</p>  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9945        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9801        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9802        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| AREA (SQ. FT)   | SIZE (INCHES) | CONN. D.O.T. # | POSTS   |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 9.0   | 36            | 80-9506        | 1       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |
| 16.0  | 48            | 80-9508        | 2       |               |               |                |       |             |      |          |         |  |  |          |       |  |               |                |                |               |               |                |   |  |  |         |               |   |                |                |                |  |               |                |   |  |  |                |               |               |                |                |                |  |          |         |         |  |   |                |   |  |               |                |                |               |                |                |         |  |         |         |   |   |               |                |               |   |   |                |       |  |               |                |   |  |               |                |               |   |                |                |         |               |               |                |  |  |  |          |               |               |                |                |                |  |          |          |          |   |               |                |   |               |               |                |               |               |                |         |     |    |         |   |      |    |         |   |

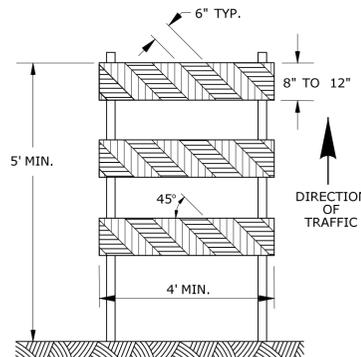
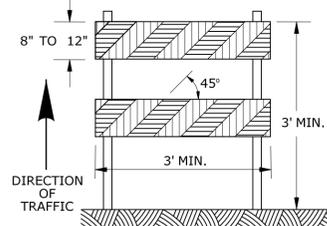
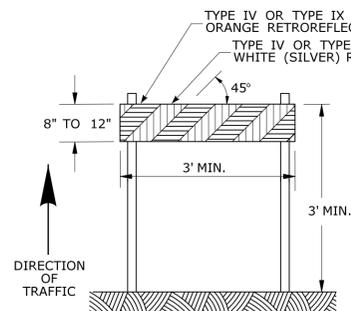


**PORTABLE CONSTRUCTION SIGNS**

NOTES FOR PORTABLE SIGN SUPPORTS:

- SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24". SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.
- PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT FOR R9-8 THROUGH R9-11a SERIES, R11 SERIES, W1-6 THROUGH W1-8 SERIES, M4-10, AND E5-1. SEE STANDARD SHEET TR-1220.01 - "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.

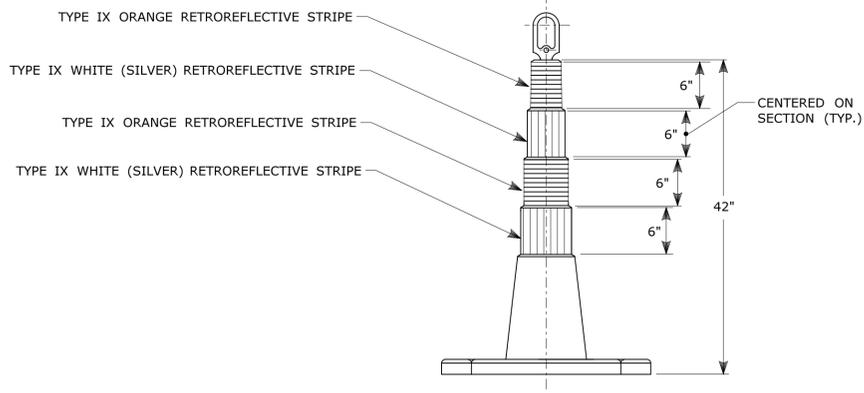
\* FOR E5-1 (EXIT SIGNS) USE MIN 48".



**CONSTRUCTION BARRICADES**

NOTES:

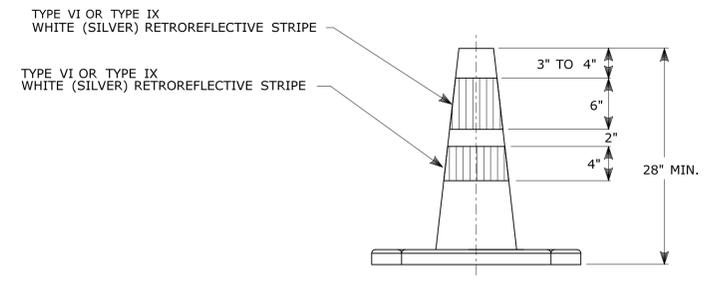
- CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH AND THE LATEST EDITION OF THE MUTCD.
- MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL BE USED.
- THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- CORNERS OF BARRICADE RAILS SHALL BE ROUNDED.
- SIGNS MAY ONLY BE INSTALLED ON TYPE III BARRICADES AND SHALL BE PLACED SO AS TO COVER NO MORE THAN ONE BARRICADE RAIL.



**42" TRAFFIC CONE**

NOTES:

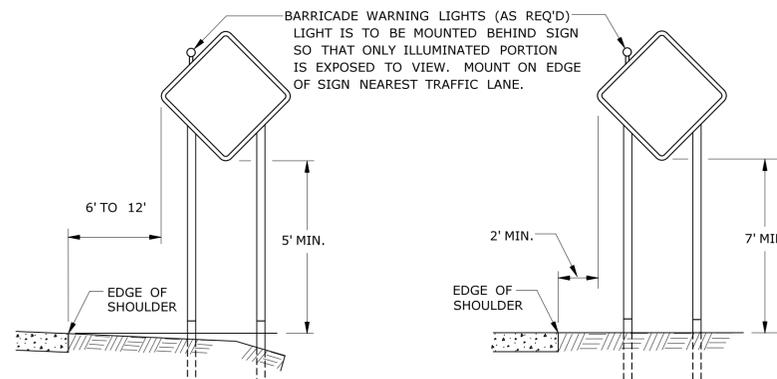
- TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
- IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
- THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



**TRAFFIC CONE**

NOTES:

- TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
- IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- TRAFFIC CONES NOT USED AT NIGHT MAY UTILIZE TYPE III SHEETING.
- THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



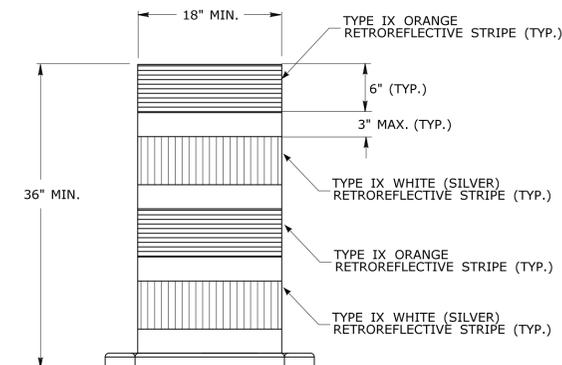
**RURAL AREA**

**URBAN AREA**

**PLACEMENT OF CONSTRUCTION SIGNS  
TYPICAL LONG TERM INSTALLATION**

NOTES:

- SUPPORTS SHALL BE METAL SIGN POSTS AND HAVE BREAK-AWAY FEATURES.
- SEE TYPICAL SHEETS:  
 "TYPICAL SIGN SUPPORT AND SIGN PLACEMENT DETAILS-GORE EXIT SIGN"  
 "TYPICAL METAL SIGN POSTS AND SIGN MOUNTING DETAILS"



**TRAFFIC DRUM  
FRONT VIEW**

NOTES:

- TRAFFIC DRUM SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
- THE SECTIONS OF DRUMS NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

|   |                           |  |  |   |                                 |   |  |
|---|---------------------------|--|--|---|---------------------------------|---|--|
| THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. |                           |  |  | SUBMITTED BY: _____ NAME/DATE/TIME: _____ | <b>CTDOT<br/>STANDARD SHEET</b> | STANDARD SHEET TITLE:<br><b>CONSTRUCTION SIGN SUPPORTS<br/>AND CHANNELIZING DEVICES</b> | STANDARD SHEET NO.:<br><b>TR-1220_02</b> |
| 2 8-2015 UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.  | 1 2-2011 MINOR REVISIONS. | NOT TO SCALE                                       | APPROVED BY: _____ NAME/DATE/TIME: _____ | <b>OFFICE OF ENGINEERING</b>              |                                 |   |  |
| REV. DATE REVISION DESCRIPTION  | Plotted Date: 8/14/2015   | File name: CTDOT_TRAFFIC_STD.DGN Model: TR-1220_02 |  |   |                                 |   |  |