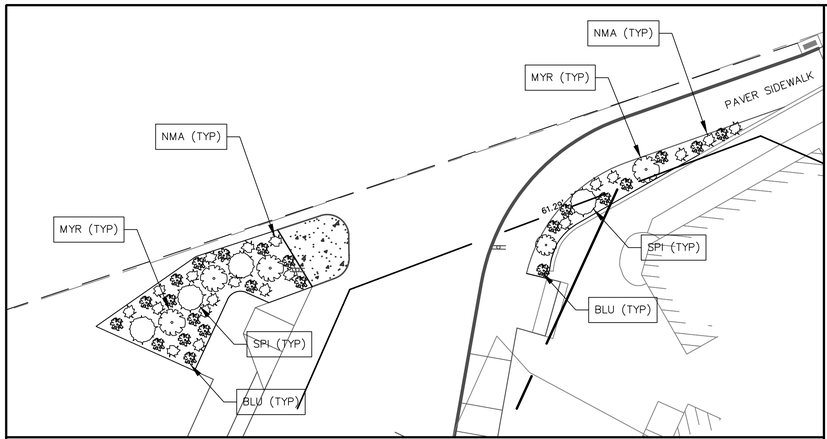
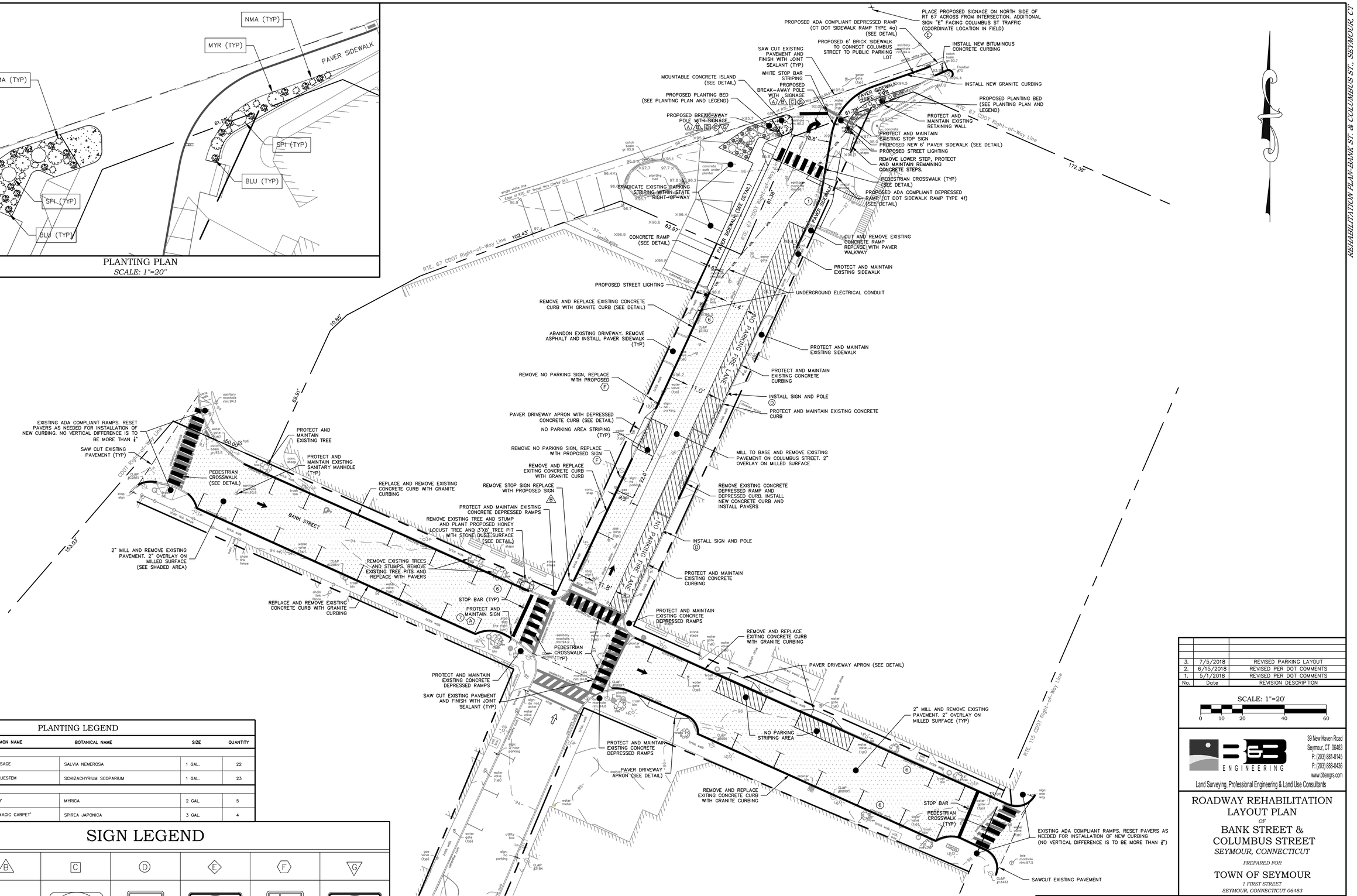


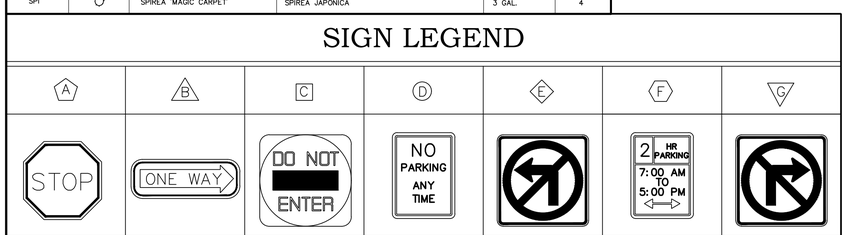
PLANTING PLAN
SCALE: 1"=20'



PLANTING LEGEND

ABBREV.	SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	QUANTITY
HERBACEOUS PLANTS					
NMA		MEADOW SAGE	SALVIA NEMEROSA	1 GAL.	22
BLU		LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM	1 GAL.	23
SHRUBS					
MYR		BAYBERRY	MYRICA	2 GAL.	5
SPI		SPIREA "MAGIC CARPET"	SPIREA JAPONICA	3 GAL.	4

SIGN LEGEND



NOTE: SIGN ARE FOR ILLUSTRATION PURPOSES ONLY, CONTRACTOR TO REFERENCE LATEST CT DOT STANDARDS

No.	Date	REVISION DESCRIPTION
3.	7/5/2018	REVISED PARKING LAYOUT
2.	6/15/2018	REVISED PER DOT COMMENTS
1.	5/1/2018	REVISED PER DOT COMMENTS

SCALE: 1"=20'
0 10 20 40 60

B&B ENGINEERING
39 New Haven Road
Seymour, CT 06483
P: (203) 881-8145
F: (203) 888-0436
www.bbengrs.com
Land Surveying, Professional Engineering & Land Use Consultants

ROADWAY REHABILITATION LAYOUT PLAN
OF
BANK STREET & COLUMBUS STREET
SEYMOUR, CONNECTICUT

PREPARED FOR

TOWN OF SEYMOUR
1 FIRST STREET
SEYMOUR, CONNECTICUT 06483

DRAWING LIST

#	DRAWING NAME
1	ROADWAY REHABILITATION LAYOUT PLAN
2	GRADING AND DRAINAGE PLAN
3	CONSTRUCTION NOTES AND DETAILS

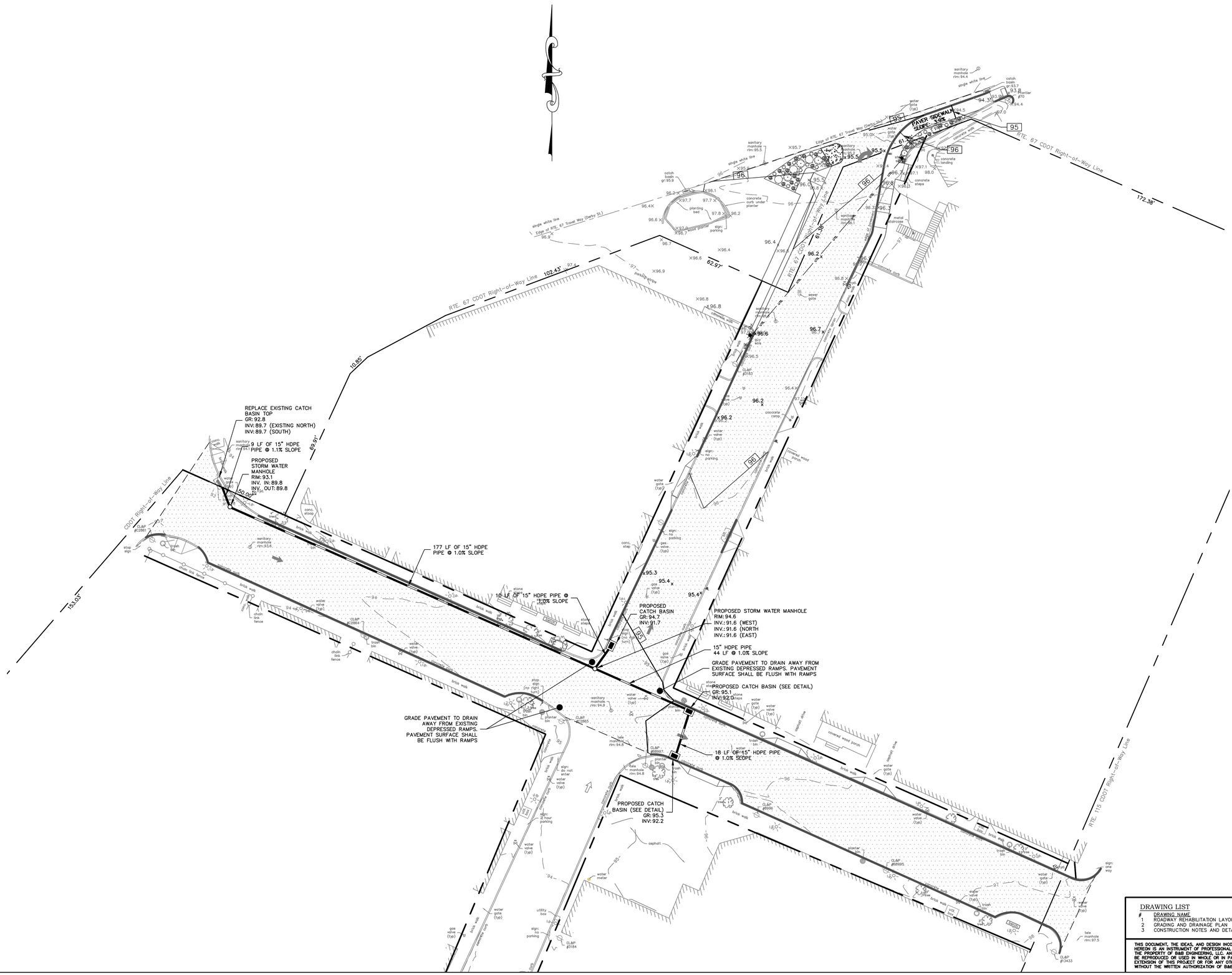
THIS DOCUMENT, THE IDEAS, AND DESIGN INCORPORATED HEREON IS AN INSTRUMENT OF PROFESSIONAL SERVICE AND THE PROPERTY OF B&B ENGINEERING, LLC. AND IS NOT TO BE REPRODUCED OR USED IN WHOLE OR IN PART FOR ANY EXTENSION OF THIS PROJECT OR FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF B&B ENGINEERING, LLC.

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

BRYAN P. NESTERIAK, CT. P.E.,L.S. 23556

Date	4/21/2017
Scale	1"=20'
Job No.	S-17-1
Drawing No.	1 of 3

REHABILITATION PLAN-BANK ST. & COLUMBUS ST., SEYMOUR, CT



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SCALE: 1"=20'

0 10 20 40 60

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Date	4/21/2017
Scale	1"=20'
Job No.	S-17-1
Drawing No.	2 of 3

SEDIMENTATION & SOIL EROSION SPECIFICATIONS

1. 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.

2. ALL CONSTRUCTION ACTIVITIES SHALL PROCEED SO THAT POLLUTION OF ANY WETLANDS, WATERCOURSES, WATERBODY, AND OR CONDUIT CARRYING WATER, ETC. DOES NOT OCCUR. 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.

3. CONSTRUCTION METHODS 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.

IMPLEMENTATION NOTES

1. THE EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE. ALL CONTROL MEASURES ARE TO BE MAINTAINED IN AN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. ADDITIONAL MEASURES ARE TO BE INSTALLED IF NECESSARY OR REQUIRED DURING CONSTRUCTION PERIOD.

2. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM. RESTABLIZATION TO BE SCHEDULED AS SOON AS PRACTICAL.

3. POST AND FABRIC SILTATION BARRIERS SHALL BE INSTALLED AT THE TOE OF ALL CRITICAL CUT AND FILL SLOPES. SILT FENCES AND BARRIERS MUST BE CLEANED OR REPLACED WHEN SOIL HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

4. ALL STORM DRAINAGE OUTLETS MUST BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.

5. SEDIMENT TRAPS, IF APPLICABLE, MUST BE CLEANED WHEN CAPACITY HAS BEEN REDUCED BY AN AVERAGE OF 2' OVER ITS TOTAL AREA OR TO 80% OF ITS DESIGN VOLUMES, WHICHEVER OCCURS FIRST.

6. SEDIMENT REMOVED FROM THE CONTROL STRUCTURES SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH THE INTENT OF THE PLAN AND IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.

7. FILL MATERIAL SHALL BE FREE FROM DEBRIS PERISHABLE OR COMBUSTIBLE MATERIAL AND FROZEN OR WET EARTH OR STONES LARGER THAN 6 INCHES IN MAXIMUM DIMENSION. FILL SHALL BE PLACED IN MAXIMUM 12 INCH LOOSE LIFTS AND COMPACTED TO WITHIN 90% OF THE MODIFIED PROCTOR TEST RESULT.

8. PAVEMENT BASE COURSE MUST BE PLACED IN ALL PROPOSED PAVEMENT AREAS UPON COMPLETION OF FINE GRADING.

9. PERMANENT LANDSCAPED AREAS SHALL BE SEEDED OR SODDED ON ALL EXPOSED AREAS IMMEDIATELY AFTER FINAL GRADING. MULCH AS NECESSARY FOR SEED PROTECTION AND ESTABLISHMENT. LIME AND FERTILIZE PRIOR TO PERMANENT SEEDING.
   - 9.1. TOPSOIL PREPARATION:
     - 9.1.1. TOPSOIL SHOULD BE A MINIMUM OF FOUR INCHES DEEP (COMPACTED) BEFORE SEEDING.
     - 9.1.2. HAVE TOPSOIL TESTED FOR PH, ADD LIME AS NECESSARY TO ACHIEVE PH OF 6.5. APPLY FERTILIZER AT A RATE OF 300 POUNDS PER ACRE OR SEVEN POUNDS PER 4,000 SQUARE FEET USING 10-20-10 OR EQUIVALENT. IN ADDITION, 300 POUNDS 38-0-0 PER ACRE OF SLOW RELEASE NITROGEN MAY BE USED IN LIEU OF TOP DRESSING.
     - 9.1.3. WORK LIME AND FERTILIZER INTO SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF FOUR INCHES WITH A DISC, SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE ALL CLAY OR SILTY SOIL AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEED BED WHEREVER FEASIBLE.
     - 9.1.4. REMOVE FROM THE SURFACE ALL STONES ONE INCH OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMP, OR OTHER UNSUITABLE MATERIAL.
     - 9.1.5. INSPECT SEED BED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT SOIL COMPACT, THE AREA MUST BE RE-TILLED AND COMPACTED AS ABOVE.
   - 9.2. SEED MIXTURE (APPLY AT A RATE OF 200 POUNDS/ACRE):
     - 9.2.1. 10% KENTUCKY BLUEGRASS - BARON MIX
     - 9.2.2. 20% PERENNIAL RYEGRASS
     - 9.2.3. 70% TURF TYPE TALL FESCUE

10. THE CONTRACTOR/OWNER IS RESPONSIBLE FOR ALL PAVED ROADWAYS ON AND OFF SITE AND MUST ENSURE THE SITE IS FREE OF SITE GENERATED SEDIMENT AT ALL TIMES. DUST SHALL BE CONTROLLED BY SPRINKLING OR ANOTHER APPROVED METHOD.

11. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED ON A DAILY BASIS AND CLEANED IMMEDIATELY AFTER EACH STORM.

12. WHERE DEWATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION STRUCTURE OR BOWL, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, OR FLOATING THE INTAKE OF THE PUMP. OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF PUMPING OPERATION CAUSES TURBIDITY PROBLEMS, THE OPERATION SHALL CEASE UNTIL FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED.

13. THE RESPONSIBILITY FOR: IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN, INFORMING ALL CONCERNED OF THE REQUIREMENT OF THE PLAN; NOTIFYING THE PLANNING AND ZONING COMMISSION, ITS DESIGNATED REPRESENTATIVE OF ANY TRANSFER OF RESPONSIBILITY AND SEEING THAT A COPY OF THE PLAN IS RECEIVED BY ANY SUCCESSOR IN INTEREST TO THE TITLE OF THE LAND OR ANY PORTION THEREOF IS ASSIGNED TO THE OWNER OF RECORD.

14. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION, WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS.

GENERAL NOTES

1. THE PURPOSE OF THIS PLAN IS TO DEPICT PROPOSED ROADWAY REHABILITATION OF BANK STREET AND COLUMBUS STREET.

2. LOCATION OF ALL UNDERGROUND UTILITIES DEPICTED HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER GATES, ETC., AND COMPILING INFORMATION FROM PLANS SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES AND GOVERNMENT AGENCIES. ALL CONTRACTORS ARE REQUIRED BY STATE REGULATIONS TO CONTACT CALL-BEFORE-YOU-DIG AT 1-800-922-4455 FOR LOCATION AND STAKEOUT OF UTILITIES PRIOR TO ANY EXCAVATION.

2. IF THERE ARE ANY VARIATIONS ON THIS MAP WITH WHAT IS FOUND OR DESIRED IN THE FIELD, THE CONTRACTOR SHALL CONTACT AND NOTIFY THE SITE ENGINEER IMMEDIATELY PRIOR TO COMMENCING THE RELATED WORK TO DETERMINE THE CORRECT COURSE OF ACTION.

3. ALL MATERIAL, CONSTRUCTION METHODS AND PROCEDURES SHALL CONFORM TO ALL CT DOT AND ADA STANDARDS AND SPECIFICATIONS.

4. B&B ENGINEERING, LLC MAKES NO GUARANTEE WITH THIS PLAN UNLESS B&B INSPECTS ALL ASPECTS OF CONSTRUCTION.

5. MAP REFERENCES
   a. BOUNDARY AND TOPOGRAPHIC INFORMATION OBTAINED FROM AN ELECTRONIC AUTOCAD FILE OF BANK STREET AND COLUMBUS STREET, SEYMOUR, CT. PREPARED BY ACCURATE LAND SURVEYING, LLC. SEYMOUR, CONNECTICUT.

GRADING & DRAINAGE NOTES

1. ABBREVIATIONS
   PVC = POLYVINYL CHLORIDE PIPE (SDR-35)
   HDPE = HIGH DENSITY POLYETHYLENE PIPE
   RCP = REINFORCED CONCRETE PIPE
   MH = MANHOLE
   CB = CATCH BASIN
   INV = INVERT
   LF = LINEAR FEET
   ACCMP = ASPHALT COATED CORRUGATED METAL PIPE
   HERCP = HORIZONTAL ELIPTICAL REINFORCED CONCRETE PIPE

2. THE CONTRACTOR SHALL FLUSH AND CLEAN ALL EXISTING ON-SITE STORM PIPING AND STRUCTURES THAT ARE TO BE MAINTAINED.

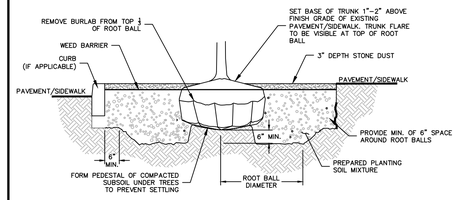
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE DRAINAGE STRUCTURES FOR THE INDICATED PIPE CONNECTIONS.

4. THE PIPE LENGTHS SHOWN ARE APPROXIMATE.

5. ALL PROPOSED CATCH BASINS SHALL HAVE A 2' SUMP, UNLESS OTHERWISE SPECIFIED.

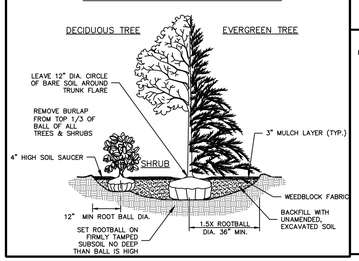
6. ALL SLOPES TO BE NO GREATER THAN 2' HORIZONTAL TO 1' VERTICAL.

TREE PIT WITH STONE DUST SURFACE



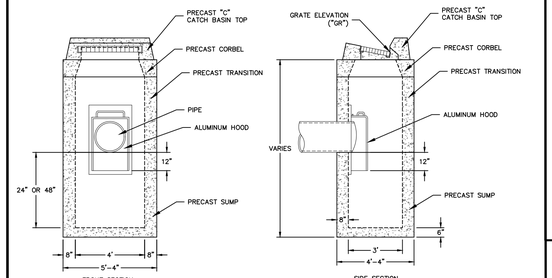
1. ISLAND/BED SHALL BE FREE OF DEBRIS AND RUBBLE PRIOR TO PLANTING OPERATION.
2. EXISTING UNDERLYING SOILS SHALL BE SCARIFIED PRIOR TO SOIL PLACEMENT.
3. PLANTS SHALL BE SET AT GRADE EVEN WITH ORIGINAL NURSERY GRADE.
4. PLANTING PIT TO BE 6 DEEPER AND 12" WIDER THAN BALL OR WIDEST SPREAD OF BARE ROOTS. A SINGLE TRENCH SHALL BE DUG FOR ALL SHRUBS IN A BED OR HEDGE.
5. DO NOT ADD FERTILIZER TO PLANTING SOIL FOR FALL PLANTING.
6. IN ROCK, OVER EXCAVATE TO PROVIDE A MINIMUM PLANTING PIT SIZE 3' DIAMETER BY 3' DEEP. PROVIDE FULL DEPTH PLANTING MIX COMPACTED BELOW BALL.
7. THE PLACEMENT OF A TREE PIT SHALL IN NO CASES RESULT IN THE SIDEWALK WIDTH BEING LESS THAN 5' WIDE. SEE PLANS FOR TREE PIT DIMENSIONS. IF SITE CONDITIONS DO NOT PERMIT A 4' X 8' SIZE TREE PIT AND/OR REQUIRE A TREE PIT SIZE OF A DIFFERENT DIMENSION, THEN THE PROPOSED TREE PIT SIZE SHALL BE SUBMITTED TO THE ENGINEER.

PLANTING BED DETAIL



CURB CATCH BASIN ("CCB")

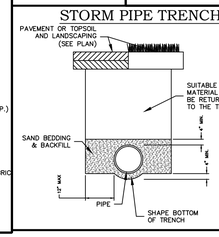
-PRECAST-



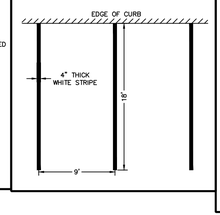
NOTES

1. THE ABOVE DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE SITE ENGINEER FOR APPROVAL.
2. ALL CATCH BASIN STRUCTURES SHALL CONFORM TO CTDOT STANDARDS.
3. ALL CATCH BASINS SHALL BE OUTFITTED WITH HOODS AND 4' SUMPS, UNLESS OTHERWISE NOTED.
4. CONTRACTOR IS RESPONSIBLE FOR SIZING AND CONFIGURING CATCH BASIN PROPERLY. THIS DETAIL IS FOR CONCEPTUAL PURPOSES ONLY. THE ACTUAL CONFIGURATION MAY BE DIFFERENT THAN SHOWN FOR THE PROPOSED STRUCTURES.
5. CAST-IN-PLACE OR CUSTOM CAST STRUCTURES MAY BE SUBSTITUTED FOR PRECAST UNITS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE SITE ENGINEER FOR APPROVAL.

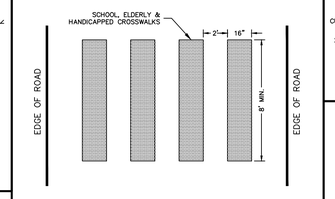
STORM PIPE TRENCH



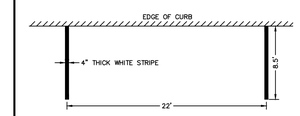
90° PARKING LAYOUT



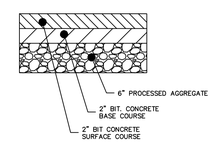
CROSS WALK



PARALLEL PARKING LAYOUT

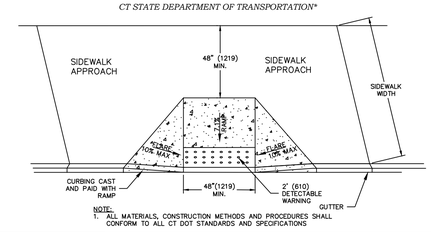


TYPICAL PAVEMENT CROSS SECTION



PERPENDICULAR SIDEWALK RAMP WITH 48" MIN, BY PASS LANDING (TYPE 2)

*CT STATE DEPARTMENT OF TRANSPORTATION**



NOTE:
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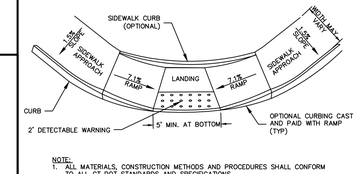
DOUBLE PARALLEL SIDEWALK RAMP WITH LANDING AT BOTTOM (TYPE 4f)

*CT STATE DEPARTMENT OF TRANSPORTATION**



NOTE:
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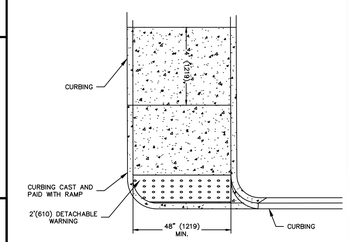
SINGLE DIRECTION PERPENDICULAR SIDEWALK RAMP NO / UTILITY GRASS STRIP (TYPE 4a)

*CT STATE DEPARTMENT OF TRANSPORTATION**



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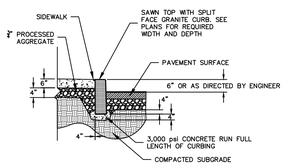
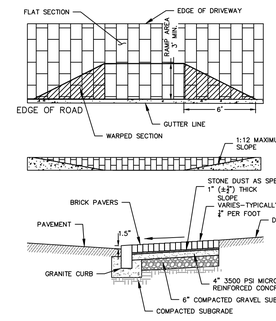
GRANITE CURB

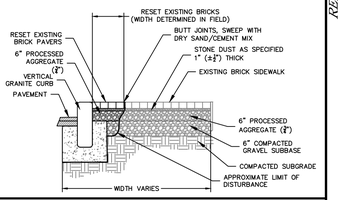


NOTE:
1. THE CURBING SHALL HAVE A SMOOTH, QUARRY-SPLIT FRONT FACE, NO EXPOSED DRILL HOLES, NO PROJECTIONS GREATER THAN 2" OR DEPRESSIONS GREATER THEN 2".
2. CURVED SECTIONS SHALL BE PROVIDED FOR RADIUS OF 50' OR LESS.
3. CONTRACTOR SHALL PROVIDE COLOR & MATERIAL SAMPLES TO ENGINEER FOR APPROVAL

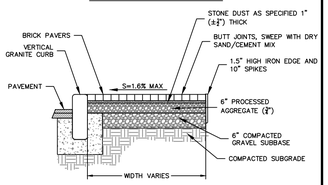
BRICK DRIVEWAY APRON



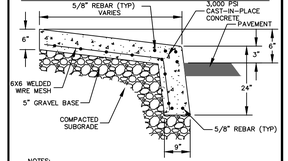
RESET EXISTING BRICK SIDEWALK



BRICK SIDEWALK



MOUNTABLE CONCRETE ISLAND



NOTES:
1. CONCRETE SHALL HAVE A BROOM FINISH
2. CONCRETE SHALL HAVE JOINTS PLACED ON 10' SQUARE INTERVALS, EXPANSION AND CONTRACTION JOINTS BEING ALTERNATED.

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2	GRADING AND DRAINAGE PLAN
3	CONSTRUCTION NOTES AND DETAILS

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TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

BRYAN P. NESTERIAK, CT. P.E.,L.S. 23556

Date	4/21/2017
Scale	AS-NOTED
Job No.	S-17-1
Drawing No.	3 of 3

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