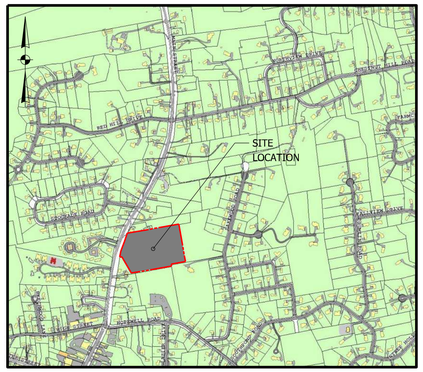
GENERAL NOTES

1. TOTAL AREA OF THE PROPERTY IS 9.343± ACRES, 406,986.7± SQ. FT.
2. ZONING OF THE PROPERTY IS RESIDENCE AA/GROUNDWATER PROTECTION ZONE 1.
3. PROPERTY LINE INFORMATION OBTAINED FROM CLASS A-2 MAP PREPARED BY ROY V. CHENEY, L.S.
4. TOPOGRAPHY SHOWN FROM ACTUAL FIELD SURVEY PERFORMED BY ROY CHENEY, L.S..
5. ELEVATIONS REFER TO NAVD OF 1988 DATUM. CONTOUR INTERVAL IS TWO FEET.
6. WETLAND AREAS ON THIS PROPERTY WERE DELINEATED BY ERIC DAVISON, PROFESSIONAL SOIL SCIENTIST.
7. THE GLASTONBURY INLAND WETLANDS AGENCY EXERCISES REGULATORY CONTROL OVER ACTIVITIES IN OR WITHIN 100 FEET OF WETLANDS AREAS AND WATERCOURSES.
8. NO PORTION OF THE PROPERTY FALLS WITHIN FLOOD BOUNDARY ZONE 'A' AS DEPICTED ON NATIONAL FLOOD INSURANCE PROGRAM MAP ENTITLED "FLOOD INSURANCE RATE MAP HARTFORD COUNTY, CONNECTICUT (ALL JURISDICTIONS) PANEL 536 OF 675 MAP NUMBER 09003C0536F, EFFECTIVE DATE SEPTEMBER 26, 2008.
9. DRIVEWAY APRONS, DIMENSIONS AND PROFILES SHALL CONFORM TO THE TOWN OF GLASTONBURY STANDARDS.
10. SOLAR ACCESS HAS BEEN CONSIDERED IN THE DEVELOPMENT AND LAYOUT OF THIS SUBDIVISION THROUGH THE USE OF HOUSE ORIENTATION, STREET AND LOT LAYOUT, VEGETATION, AND NATURAL AND MAN-MADE TOPOGRAPHICAL FEATURES.
11. ALL UTILITIES SHOWN ARE APPROXIMATE AND BASED UPON ACTUAL FIELD LOCATION WHERE VISIBLE OR MARKED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING THE ACTUAL LOCATIONS OF ALL EXISTING UTILITIES INCLUDING LATERALS AND SERVICES. CALL "CALL BEFORE YOU DIG" (1-800-922-4455) TO FIELD VERIFY LOCATIONS PRIOR TO CONSTRUCTION.
12. THE LOCATION OF PROPOSED HOUSES AND DRIVEWAYS AND LIMITS OF CLEARING DEPICTED ON THESE PLANS ARE CONCEPTUAL TO DEMONSTRATE FEASIBILITY. ACTUAL HOUSE AND DRIVEWAY LOCATIONS, AND CLEARING LIMITS WILL BE DETERMINED AS EACH LOT IS DEVELOPED.
13. ALL WORK WITHIN THE STATE HIGHWAY LINE REQUIRES A CONNECTICUT DEPARTMENT OF TRANSPORTATION (CTDOT) ENCROACHMENT PERMIT. THE OWNER/CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE PERMIT AND COMPLYING WITH ALL PROVISIONS AND CONDITIONS OF THE PERMIT.
14. THE CONTRACTOR SHALL COORDINATE ALL WORK AND ARRANGE TO SUPPORT AND RELOCATE EXISTING UTILITY POLES WITH THE APPROPRIATE UTILITY COMPANY AS REQUIRED.
15. OWNER OF RECORD: CARRIER CONSTRUCTION INC. P.O. BOX 1842 BRISTOL, CT 06010-1842.
16. ASSESSOR'S MAP E10 STREET 4140 LOT E0129B.

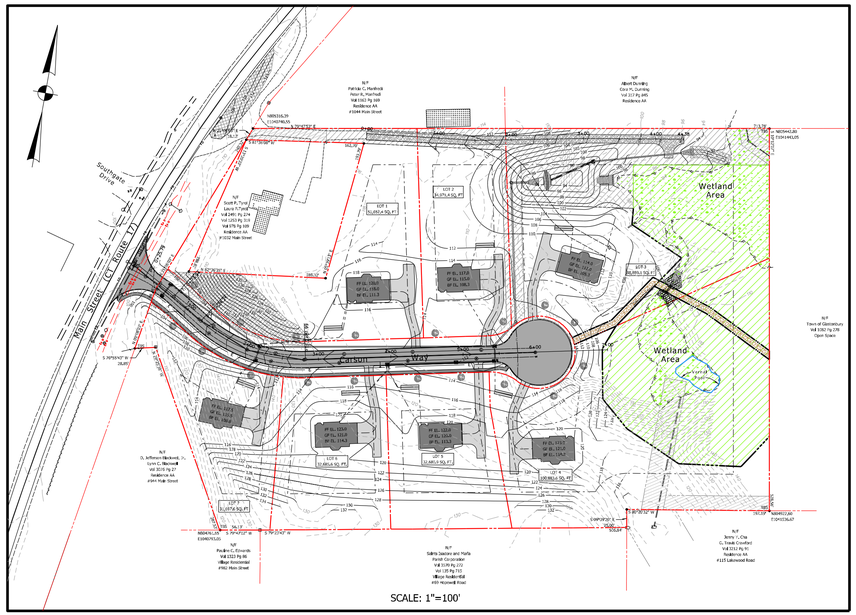
Proposed 7 Lot Subdivision
1040 Main Street

Glastonbury, CT



LOCATION PLAN

SCALE: 1"=1000'



SCALE: 1"=100'

TOWN PLAN & ZONING COMMISSION APPROVAL

T.B.D.	RESIDENCE AA/GWP ZONE 1
SUBDIVISION NAME	ZONE
CARRIER CONSTRUCTION, INC.	
SUBDIVIDER	
SUBDIVISION APPROVAL DATE	PLAN & ZONING COMMISSION CHAIRMAN
COMPLETION DATE FOR SUBDIVISION IMPROVEMENTS	COMMUNITY DEVELOPMENT DIRECTOR
FILE NO.	TOWN ENGINEER

NOTE:
THE CONTRACTOR SHALL NOTIFY THE TOWN OF GLASTONBURY ENGINEERING DIVISION 24 HOURS PRIOR TO BEGINNING ANY STORM DRAINAGE, SANITARY SEWER INSTALLATION, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, OR ANY EXCAVATION IN THE TOWN RIGHT-OF-WAY TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 8:00 AM-4:30 PM MONDAY THRU FRIDAY AT (860) 652-7735.

OWNER:
Carrier Construction Inc.
P.O. Box 1842
Bristol, CT 06010-1842

APPLICANT:
Carrier Construction Inc.
P.O. Box 1842
Bristol, CT 06010-1842

CIVIL ENGINEER:
WOLFF ENGINEERING
Cornerstone Professional Park, Suite C101
39 Sherman Hill Road
Woodbury, Connecticut 06798

SURVEYOR:
Roy V. Cheney
18 Main Street North
Bethlehem, CT 06751

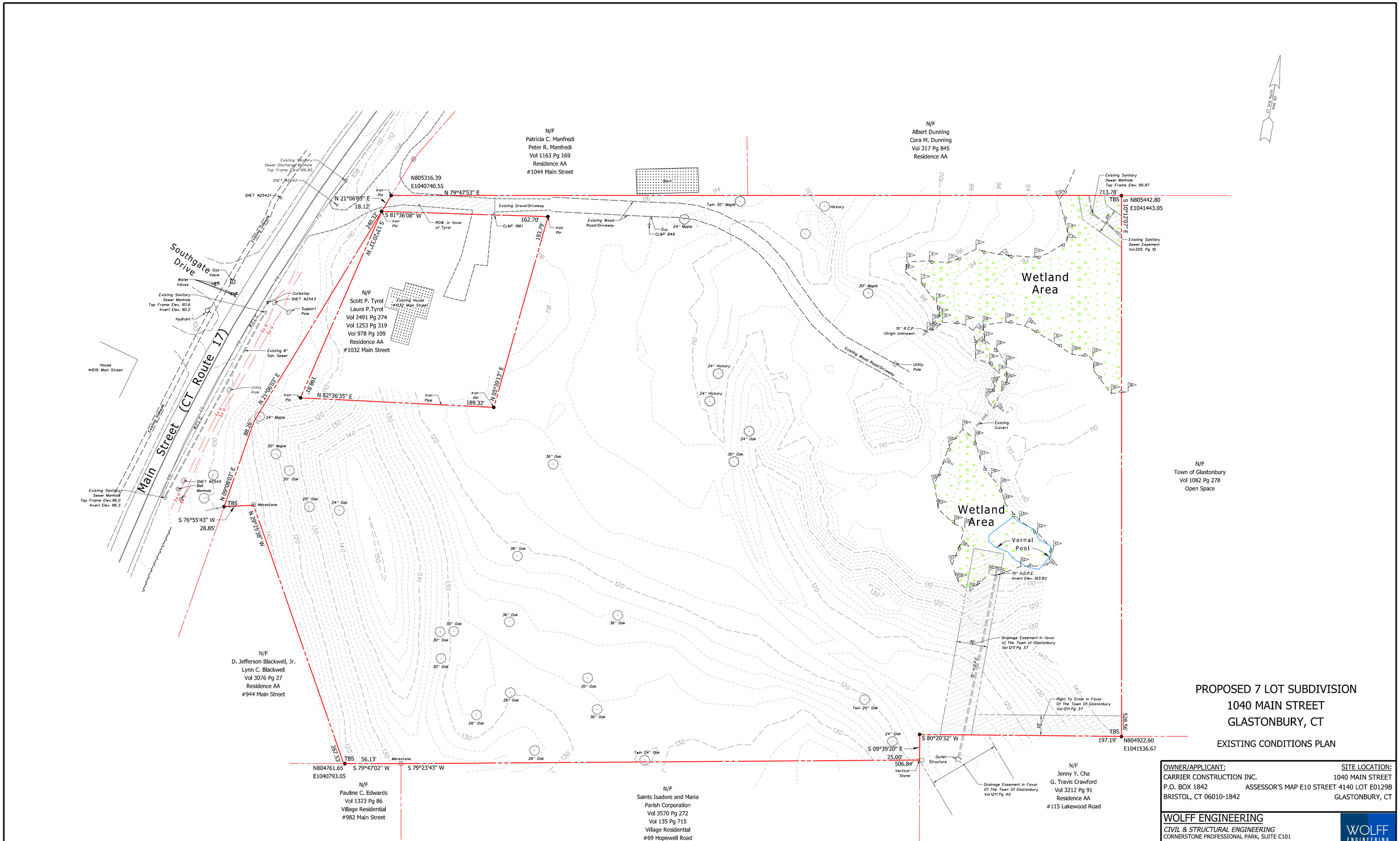
SOIL SCIENTIST:
Davison Environmental
10 Maple Street
Chester, CT 06412

WOLFF ENGINEERING

CIVIL ENGINEERS
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD
WOODBURY, CONNECTICUT 06798
TEL.: 203.263.7447 FAX.: 203.263.0060

May 27, 2021 (Revisions To July 27, 2021)

STATE OF CONNECTICUT
RONALD P. WOLFF
No. 19998
LICENSED
PROFESSIONAL ENGINEER



PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

EXISTING CONDITIONS PLAN

LEGEND

- PROPERTY LINE
- 544 — EXISTING INDEX CONTOUR LINE AND ELEVATION
- EXISTING INTERMEDIATE CONTOUR LINE
- LIMIT OF FIELD DELINEATED WETLANDS
- WETLAND FLAG AND NUMBER

PLAN

SCALE: 1"=40'

0' 40' 80' 120'

SCALE: 1"=40'

GRAPHIC SCALE

OWNER/APPLICANT:	SITE LOCATION:
CARRIER CONSTRUCTION INC.	1040 MAIN STREET
P.O. BOX 1842	ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
BRISTOL, CT 06010-1842	GLASTONBURY, CT

WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER.
5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

PLOT DATE: 7/28/2021

STATE OF CONNECTICUT RONALD P. WOLFF No. 19998 LICENSED PROFESSIONAL ENGINEER

DATE: 4/15/2021	
DRAWN BY: R.P.W.	
CHECKED BY: R.P.W.	
FILE:	
FIELD BOOK: R.P.W.	
SCALE: AS NOTED	
SHEET: 3 OF 20	

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9.343 ±Acres
406,986.7 ±Sq Ft

Record Subdivision Map

Showing

Proposed 7 Lot Subdivision

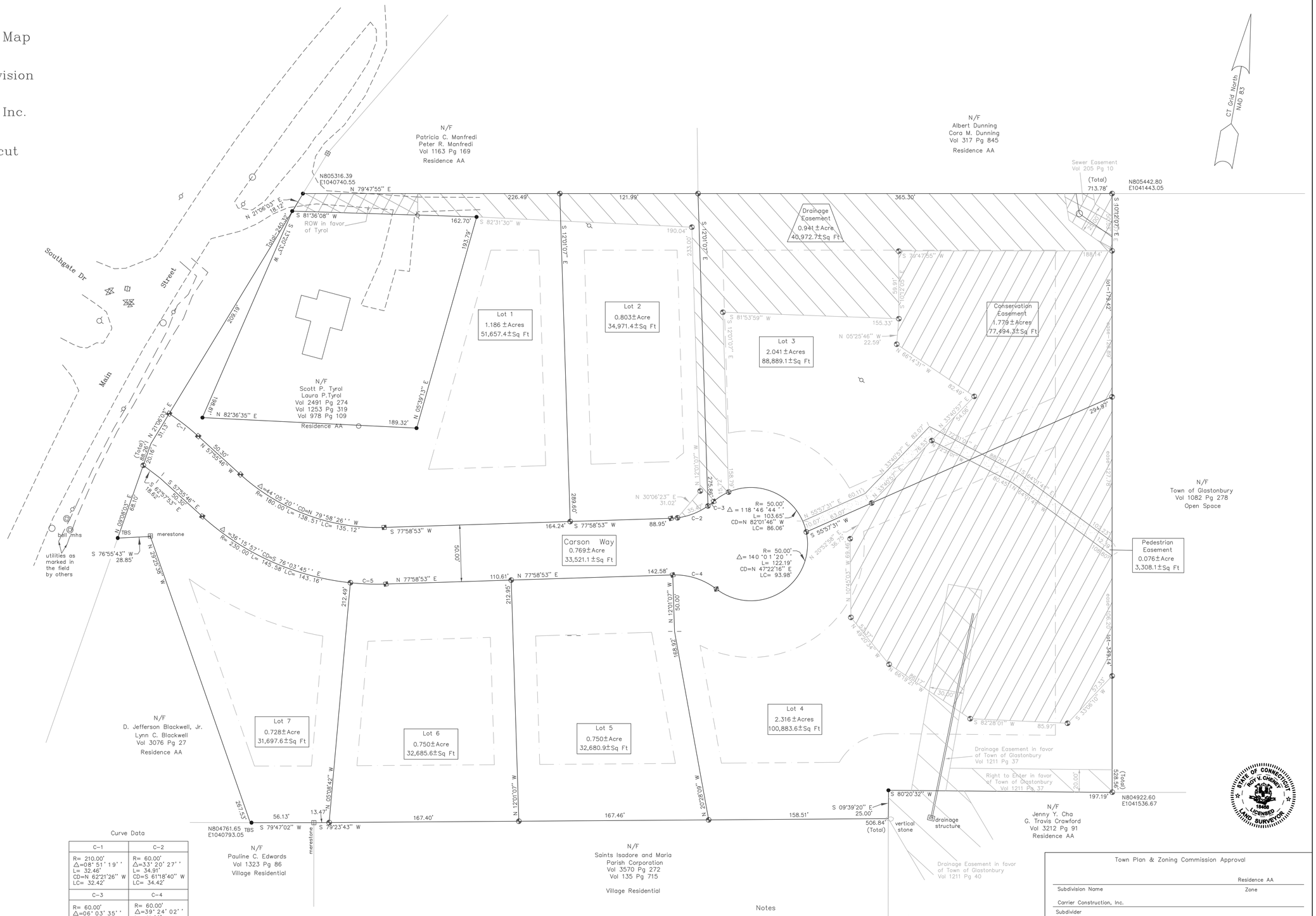
Prepared For

Carrier Construction, Inc.

1040 Main Street

Glastonbury, Connecticut

scale 1" = 40' May 2021



LEGEND

- Existing Iron Pipe
- Existing Iron Pin
- Existing Concrete Monument
- Existing Drill Hole
- Iron Pin to be set
- Concrete Monument to be set
- Stonewall
- Wood Fence
- Utility Pole
- Gas Valve
- Sanitary Sewer Manhole
- Water Valve
- Fire Hydrant
- Observation Pit
- Percolation Hole
- Wetland Limits — WL —
- Intermittent Stream — IS — IS — IS —
- Decidous Tree
- Conifer Tree

40 0 40 80 120

Scale 1" = 40'

Curve Data

C-1	C-2
R= 210.00' △=08°51'19" L= 32.46' CD=N 62°21'26" W LC= 32.42'	R= 60.00' △=33°20'27" L= 34.91' CD=S 61°18'40" W LC= 34.42'
C-3	**C-4**
R= 60.00' △=06°03'35" L= 6.35' CD=S 41°36'39" W LC= 6.34'	R= 60.00' △=39°24'02" L= 41.26' CD=S 82°19'06" E LC= 40.45'
C-5	
R= 230.00' △=07°49'24" L= 31.40' CD=N 81°53'35" E LC= 31.38'	

Notes

1) This map and survey have been prepared in accordance with section 20-300b through section 20-300b-20 of the Regulations of Connecticut State Agencies "Minimum Standards for Surveys and Maps" effective June 21, 1996 conforming to Class A-2 Standards for a Property Survey categorized as a Dependent Resurvey for boundary and Original Survey for new configuration.
2) Refer to maps by Megson & Heagle, Reino E. Hyppa & Assoc., Megson & Hyppa and the Connecticut Highway Dept.
3) Parcel is located in Residence AA Zone.
4) Wetlands Shown as designated in the field by Davison Environmental.
5) Elevations taken in the field based on NAVD 88.
6) The Subdivision Regulations of the Town of Glastonbury, Town Plan and Zoning Commission are part of this plan and approval of this plan is contingent on compliance with all requirements of the said Subdivision Regulations.

To my knowledge and belief, this map is substantially correct as noted hereon.

Roy V. Cheney

Roy V. Cheney LLS # 18468
Bethlehem, Connecticut
MAP NOT VALID WITHOUT EMBOSSED SEAL
Map Signed and Sealed Electronically

STATE OF CONNECTICUT ROY V. CHENEY 18468 LICENSED LAND SURVEYOR

Town Plan & Zoning Commission Approval

Subdivision Name — Zone: Residence AA

Carrier Construction, Inc.
Subdivider

Subdivision Approval Date — Plan & Zoning Comission Chairman

Completion Date For Subdivision Improvements — Community Development Director

File No. — Town Engineer

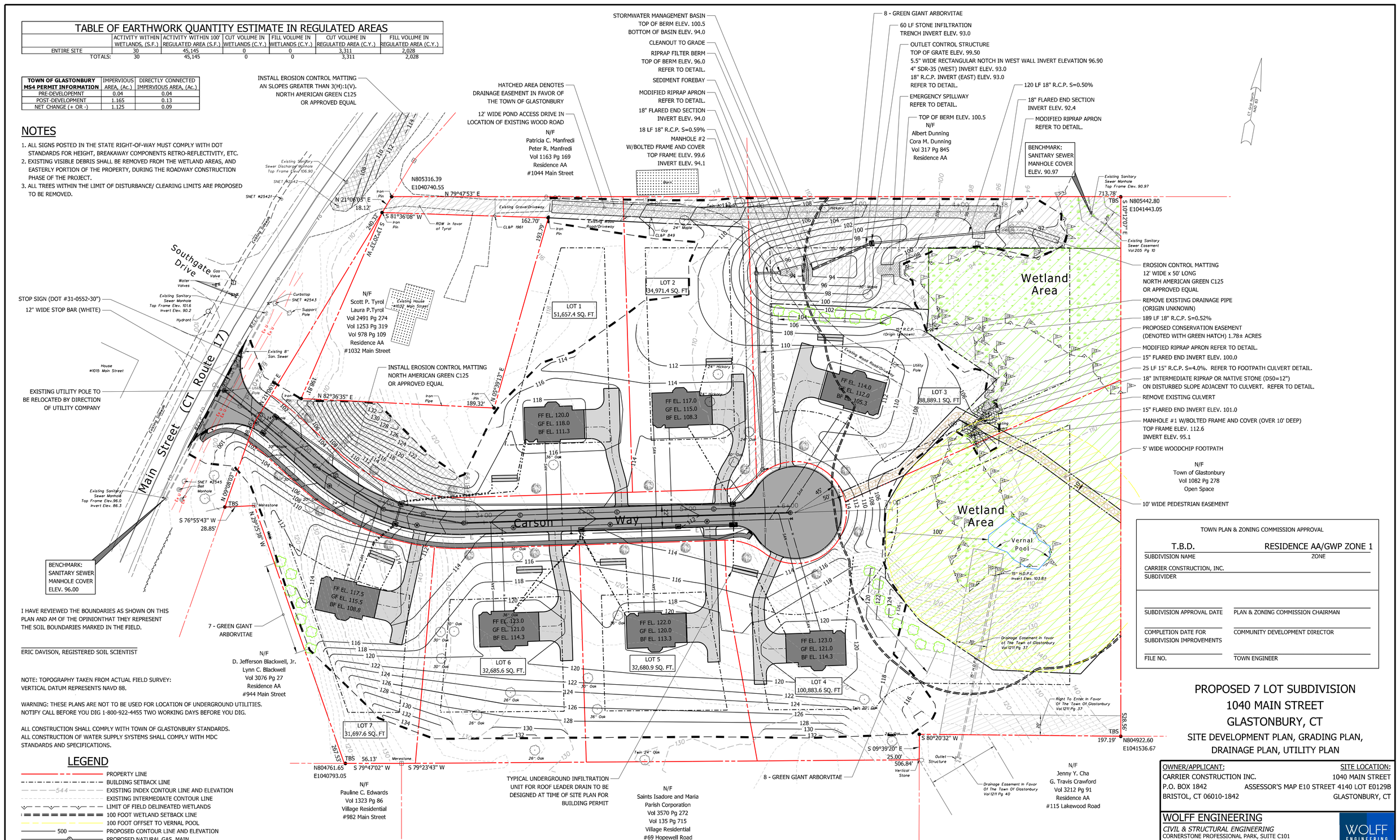
TABLE OF EARTHWORK QUANTITY ESTIMATE IN REGULATED AREAS

	ACTIVITY WITHIN WETLANDS, (S.F.)	ACTIVITY WITHIN 100' REGULATED AREA (S.F.)	CUT VOLUME IN WETLANDS (C.Y.)	FILL VOLUME IN WETLANDS (C.Y.)	CUT VOLUME IN REGULATED AREA (C.Y.)	FILL VOLUME IN REGULATED AREA (C.Y.)
ENTIRE SITE	30	45,145	0	0	3,311	2,028
TOTALS:	30	45,145	0	0	3,311	2,028

TOWN OF GLASTONBURY MS4 PERMIT INFORMATION	IMPERVIOUS AREA, (Ac.)	DIRECTLY CONNECTED IMPERVIOUS AREA, (Ac.)
PRE-DEVELOPEMNT	0.04	0.04
POST-DEVELOPMENT	1.165	0.13
NET CHANGE (+ OR -)	1.125	0.09

NOTES

1. ALL SIGNS POSTED IN THE STATE RIGHT-OF-WAY MUST COMPLY WITH DOT STANDARDS FOR HEIGHT, BREAKAWAY COMPONENTS RETRO-REFLECTIVITY, ETC.
2. EXISTING VISIBLE DEBRIS SHALL BE REMOVED FROM THE WETLAND AREAS, AND EASTERLY PORTION OF THE PROPERTY, DURING THE ROADWAY CONSTRUCTION PHASE OF THE PROJECT.
3. ALL TREES WITHIN THE LIMIT OF DISTURBANCE/ CLEARING LIMITS ARE PROPOSED TO BE REMOVED.



I HAVE REVIEWED THE BOUNDARIES AS SHOWN ON THIS PLAN AND AM OF THE OPINIONTHAT THEY REPRESENT THE SOIL BOUNDARIES MARKED IN THE FIELD.

ERIC DAVISON, REGISTERED SOIL SCIENTIST

NOTE: TOPOGRAPHY TAKEN FROM ACTUAL FIELD SURVEY: VERTICAL DATUM REPRESENTS NAVD 88.

WARNING: THESE PLANS ARE NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES. NOTIFY CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

ALL CONSTRUCTION SHALL COMPLY WITH TOWN OF GLASTONBURY STANDARDS. ALL CONSTRUCTION OF WATER SUPPLY SYSTEMS SHALL COMPLY WITH MDC STANDARDS AND SPECIFICATIONS.

LEGEND

- PROPERTY LINE
- BUILDING SETBACK LINE
- 544 EXISTING INDEX CONTOUR LINE AND ELEVATION
- EXISTING INTERMEDIATE CONTOUR LINE
- LIMIT OF FIELD DELINEATED WETLANDS
- 100 FOOT WETLAND SETBACK LINE
- 100 FOOT OFFSET TO VERNAL POOL
- 500 PROPOSED CONTOUR LINE AND ELEVATION
- PROPOSED NATURAL GAS MAIN
- PROPOSED 8" WATER MAIN
- E PROPOSED UNDERGROUND UTILITIES
- W PROPOSED WATER LATERAL
- SAN PROPOSED 6" SANITARY SEWER LATERAL
- SDR-35 DRAIN OUTLET PIPE
- LIMIT OF DISTURBANCE/CLEARING LIMITS
- PROPOSED STREET TREE
- WETLAND FLAG AND NUMBER

PLAN

SCALE: 1"=40'

PERMANENT MAINTENANCE SCHEDULE FOR DETENTION BASIN

1. ONCE A YEAR THE INTERIOR OF THE BASIN BERM WILL BE MOWED PER THE PLANS AND ANY INVASIVE SPECIES SHALL BE REMOVED.
2. ON BI-ANNUAL BASIS, THE BASIN, DRAINAGE LINES, DRAINAGE STRUCTURES AND SWALES SHALL BE INSPECTED. ANY DEBRIS AND SEDIMENT BUILT UP OVER 2 INCHES SHALL BE REMOVED. ANY DEBRIS BUILT UP IN FRONT OF THE OUTLET STRUCTURE SHALL BE REMOVED.

NOTE:
THE CONTRACTOR SHALL NOTIFY THE TOWN OF GLASTONBURY ENGINEERING DIVISION 24 HOURS PRIOR TO BEGINNING ANY STORM DRAINAGE, SANITARY SEWER INSTALLATION, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, OR ANY EXCAVATION IN THE TOWN RIGHT-OF-WAY TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 8:00 AM-4:30 PM MONDAY THRU FRIDAY AT (860) 652-7735.

0' 40' 80' 120'

SCALE: 1"=40'

GRAPHIC SCALE

TOWN PLAN & ZONING COMMISSION APPROVAL

T.B.D.	RESIDENCE AA/GWP ZONE 1
SUBDIVISION NAME	ZONE
CARRIER CONSTRUCTION, INC.	
SUBDIVIDER	
SUBDIVISION APPROVAL DATE	PLAN & ZONING COMMISSION CHAIRMAN
COMPLETION DATE FOR SUBDIVISION IMPROVEMENTS	COMMUNITY DEVELOPMENT DIRECTOR
FILE NO.	TOWN ENGINEER

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

SITE DEVELOPMENT PLAN, GRADING PLAN, DRAINAGE PLAN, UTILITY PLAN

OWNER/APPLICANT:
CARRIER CONSTRUCTION INC.
P.O. BOX 1842
BRISTOL, CT 06010-1842

SITE LOCATION:
1040 MAIN STREET
ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
GLASTONBURY, CT

WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER.
5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

PLOT DATE: 7/28/2021

DATE: 4/15/2021
DRAWN BY: R.P.W.
CHECKED BY: R.P.W.
FILE:
FIELD BOOK: R.P.W.
SCALE: AS NOTED
SHEET: 5 OF 20

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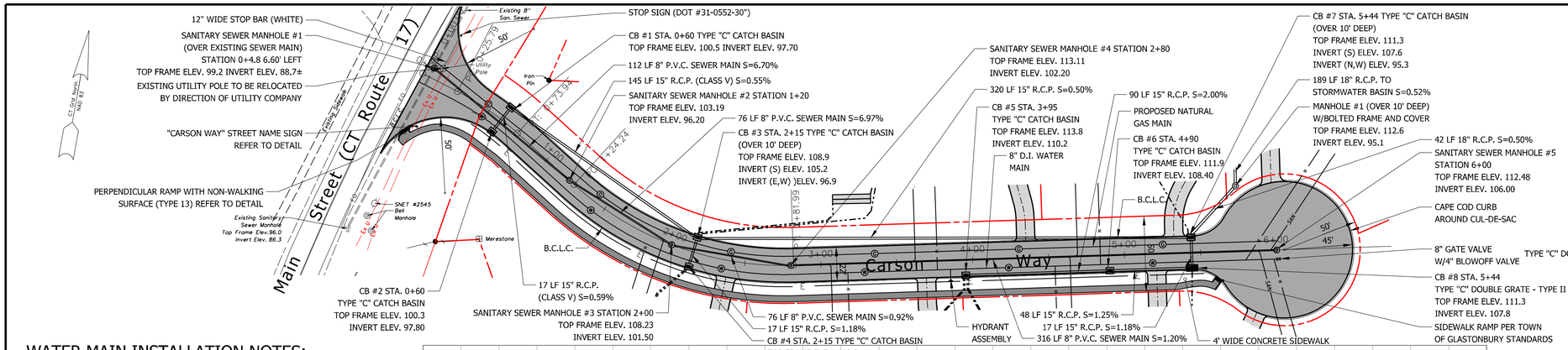

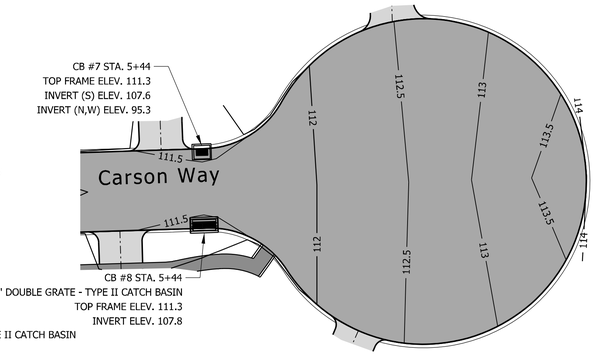

CUL-DE-SAC GRADING PLAN

SCALE: 1"=20'

WATER MAIN INSTALLATION NOTES:

1. ALL PIPE 4" OR LARGER SHALL BE CL54 D.I.P.
2. WATER MAIN SHALL BE INSTALLED WITH A 3' SEPARATING DISTANCE.
3. 4'-6" MINIMUM BURIAL DEPTH
4. ALL HYDRANTS SHALL OPEN LEFT.
5. DOMESTIC WATER SERVICE SHALL BE PRESSURE TESTED TO 150 P.S.I.
6. WATER SERVICES SHALL BE SAMPLED AND TESTED FOR WATER QUALITY.

TOWN PLAN & ZONING COMMISSION APPROVAL

T.B.D.	RESIDENCE AA/GWP ZONE 1
SUBDIVISION NAME	ZONE
CARRIER CONSTRUCTION, INC.	
SUBDIVIDER	
SUBDIVISION APPROVAL DATE	PLAN & ZONING COMMISSION CHAIRMAN
COMPLETION DATE FOR SUBDIVISION IMPROVEMENTS	COMMUNITY DEVELOPMENT DIRECTOR
FILE NO.	TOWN ENGINEER

NOTES:
THE CONTRACTOR SHALL NOTIFY THE TOWN OF GLASTONBURY ENGINEERING DIVISION 24 HOURS PRIOR TO BEGINNING ANY STORM DRAINAGE, SANITARY SEWER INSTALLATION, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, OR ANY EXCAVATION IN THE TOWN RIGHT-OF-WAY TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 8:00 AM-4:30 PM MONDAY THRU FRIDAY AT (860) 652-7735.

WARNING: THESE PLANS ARE NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES. NOTIFY CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

ALL CONSTRUCTION SHALL COMPLY WITH TOWN OF GLASTONBURY STANDARDS.
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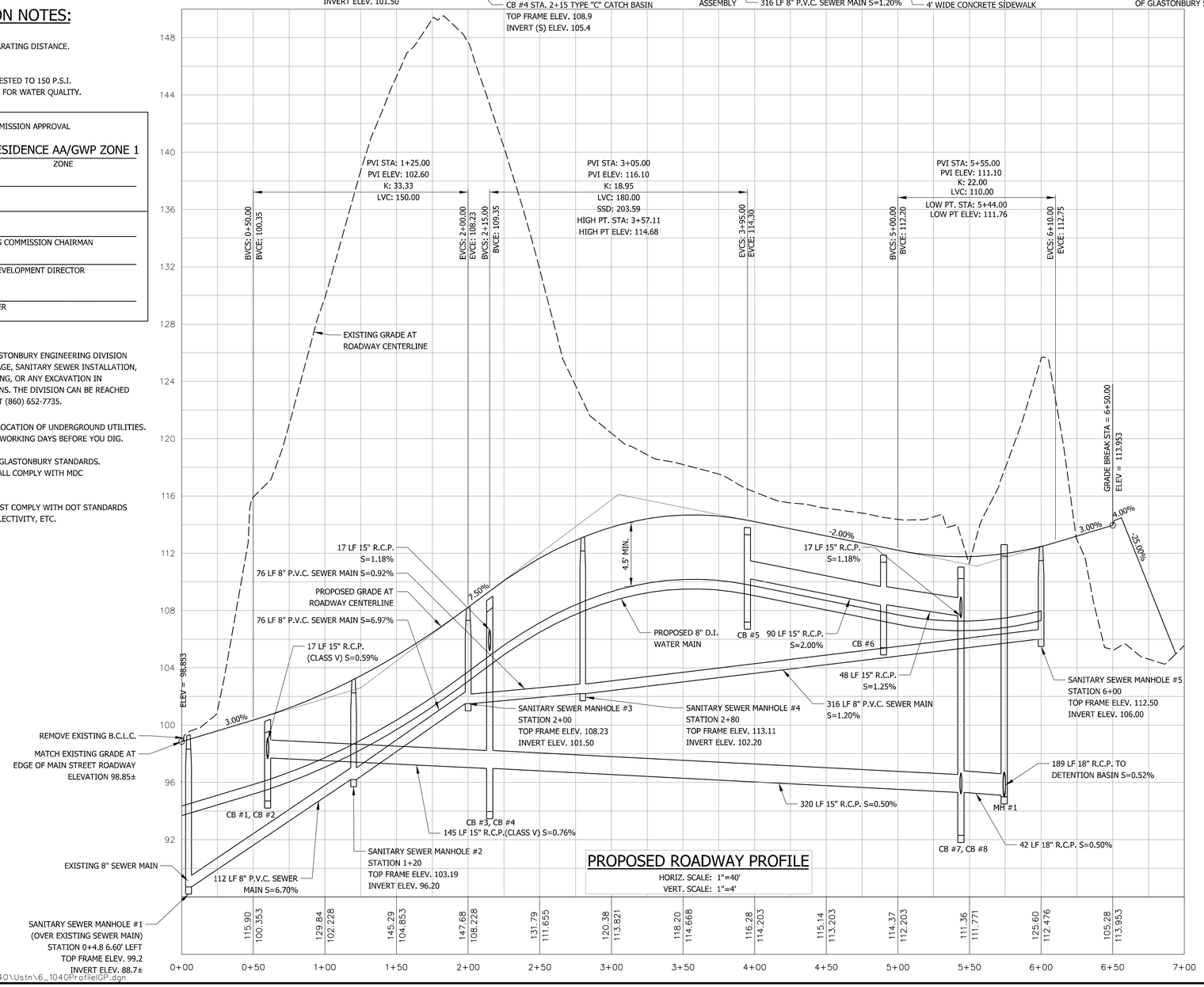
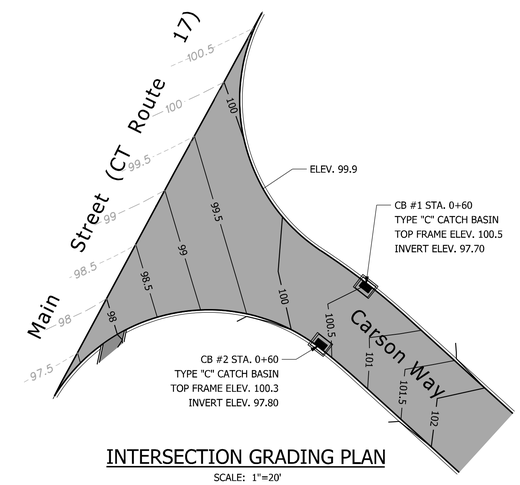


PROPOSED ROADWAY PROFILE

HORIZ. SCALE: 1"=40'
VERT. SCALE: 1"=4'



INTERSECTION GRADING PLAN

SCALE: 1"=20'

0' 40' 80' 120'

SCALE: 1"=40'

GRAPHIC SCALE

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT
ROADWAY PLAN AND PROFILE,
INTERSECTION GRADING PLANS

OWNER/APPLICANT:
CARRIER CONSTRUCTION INC.
P.O. BOX 1842
BRISTOL, CT 06010-1842

SITE LOCATION:
1040 MAIN STREET
ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
GLASTONBURY, CT

WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER
5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

PLOT DATE: 7/28/2021

STATE OF CONNECTICUT RONALD P. WOLFF No. 19998 LICENSED PROFESSIONAL ENGINEER

DATE: 4/15/2021
DRAWN BY: R.P.W.
CHECKED BY: R.P.W.
FILE:
FIELD BOOK: R.P.W.
SCALE: AS NOTED
SHEET: 6 OF 20

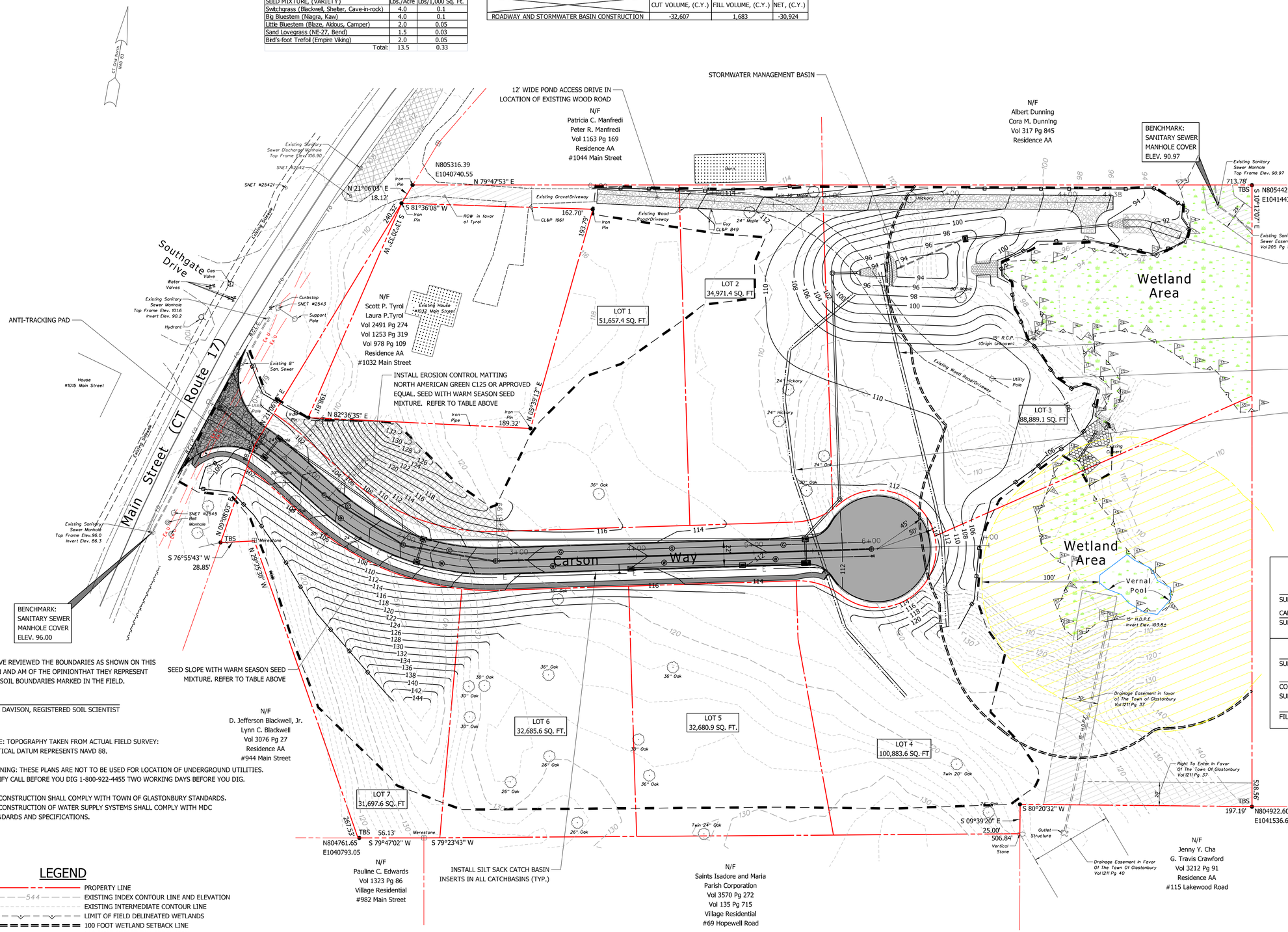
D:\Ronald Wolff Design\Glastonbury\Main St\#1040\Ustn\6_1040ProfileIGP.dgn

WARM SEASON SEED MIXTURE

SEED MIXTURE, (VARIETY)	Lbs./Acre	Lbs/1,000 Sq. Ft.
Switchgrass (Blackwell, Shelter, Cave-in-rock)	4.0	0.1
Big Bluestem (Niagra, Kaw)	4.0	0.1
Little Bluestem (Blaze, Aldous, Camper)	2.0	0.05
Sand Lovegrass (NE-27, Bend)	1.5	0.03
Bird's-foot Trefoil (Empire Viking)	2.0	0.05
Total:	13.5	0.33

TABLE OF EARTHWORK QUANTITY ESTIMATE

	CUT VOLUME, (C.Y.)	FILL VOLUME, (C.Y.)	NET, (C.Y.)
ROADWAY AND STORMWATER BASIN CONSTRUCTION	-32,607	1,683	-30,924



I HAVE REVIEWED THE BOUNDARIES AS SHOWN ON THIS PLAN AND AM OF THE OPINIONTHAT THEY REPRESENT THE SOIL BOUNDARIES MARKED IN THE FIELD.

ERIC DAVISON, REGISTERED SOIL SCIENTIST

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LEGEND

- PROPERTY LINE
- 544 — EXISTING INDEX CONTOUR LINE AND ELEVATION
- EXISTING INTERMEDIATE CONTOUR LINE
- LIMIT OF FIELD DELINEATED WETLANDS
- 100 FOOT WETLAND SETBACK LINE
- 100 FOOT OFFSET TO VERNAL POOL
- 500 — PROPOSED CONTOUR LINE AND ELEVATION
- PROPOSED NATURAL GAS MAIN
- PROPOSED 8" WATER MAIN
- E — PROPOSED UNDERGROUND UTILITIES
- SEDIMENTATION CONTROL SYSTEM
- LIMIT OF DISTURBANCE/CLEARING LIMITS
- WETLAND FLAG AND NUMBER

PLAN

SCALE: 1"=40'

NOTE:
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0' 40' 80' 120'

SCALE: 1"=40'

GRAPHIC SCALE

TOWN PLAN & ZONING COMMISSION APPROVAL

T.B.D.	RESIDENCE AA/GWP ZONE 1
SUBDIVISION NAME	ZONE
CARRIER CONSTRUCTION, INC. SUBDIVIDER	
SUBDIVISION APPROVAL DATE	PLAN & ZONING COMMISSION CHAIRMAN
COMPLETION DATE FOR SUBDIVISION IMPROVEMENTS	COMMUNITY DEVELOPMENT DIRECTOR
FILE NO.	TOWN ENGINEER

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

GRADING PLAN, SEDIMENTATION EROSION CONTROL PLAN (ROAD CONSTRUCTION)

OWNER/APPLICANT:
CARRIER CONSTRUCTION INC.
P.O. BOX 1842
BRISTOL, CT 06010-1842

SITE LOCATION:
1040 MAIN STREET
ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
GLASTONBURY, CT

WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
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5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

STATE OF CONNECTICUT RONALD P. WOLFF No. 19998 LICENSED PROFESSIONAL ENGINEER

DATE: 4/15/2021	
DRAWN BY: R.P.W.	
CHECKED BY: R.P.W.	
FILE:	
FIELD BOOK: R.P.W.	
SCALE: AS NOTED	
PLOT DATE: 7/28/2021	SHEET: 7 OF 20

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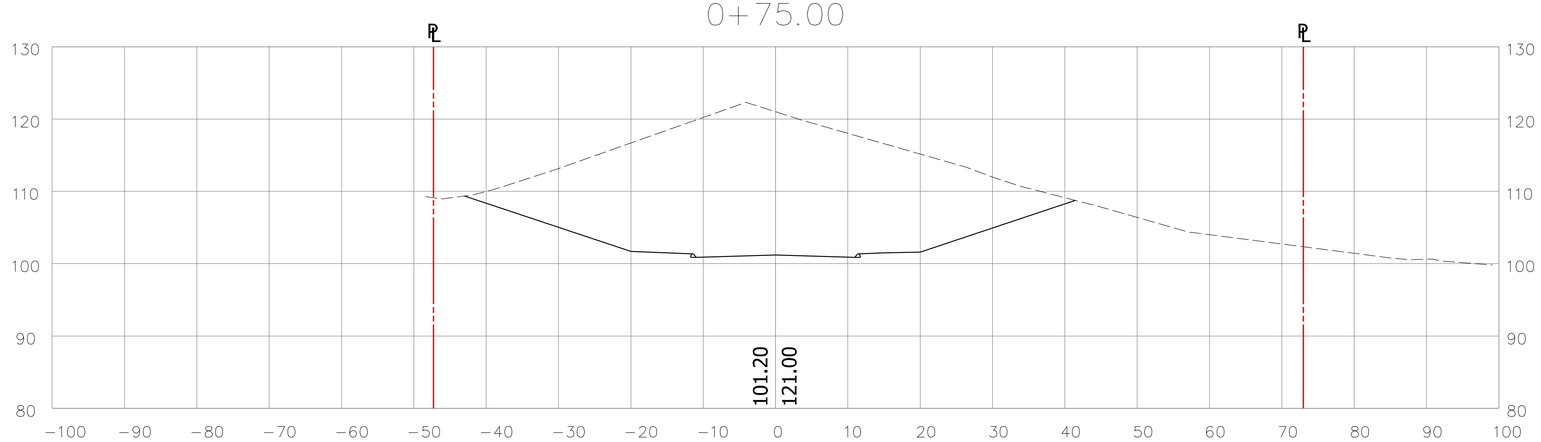

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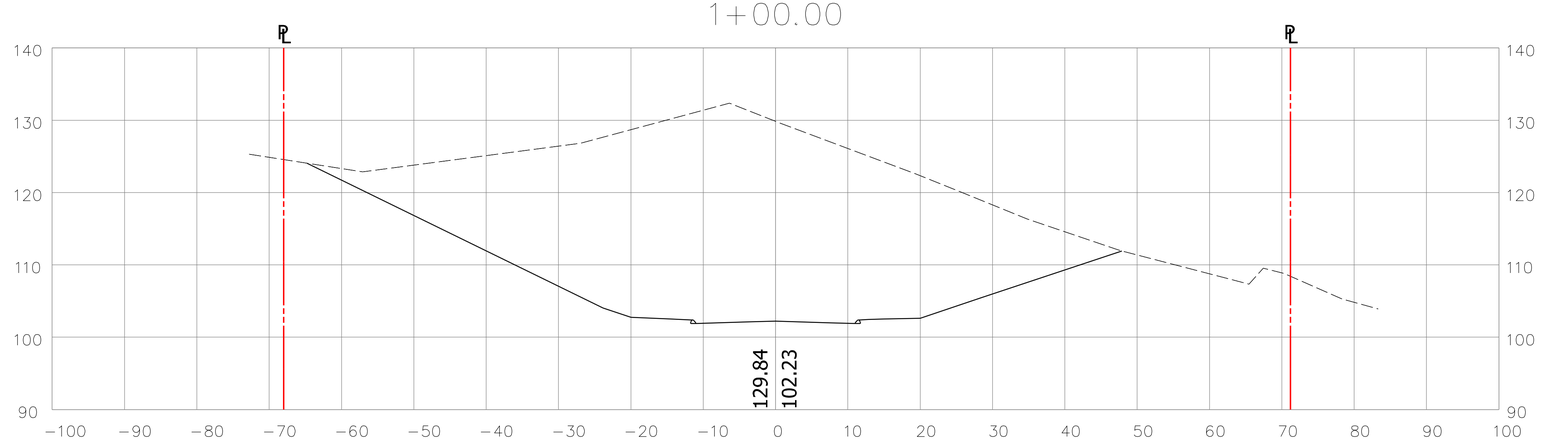

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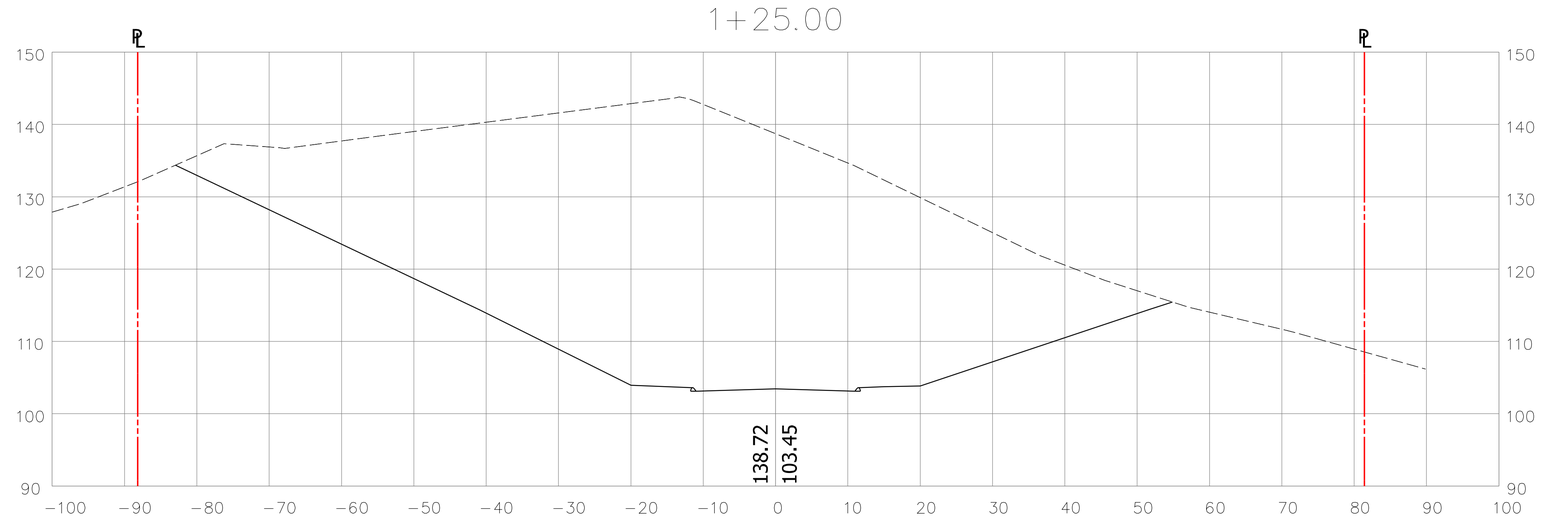

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

ROADWAY CROSS SECTIONS

OWNER/APPLICANT:
CARRIER CONSTRUCTION INC.
P.O. BOX 1842
BRISTOL, CT 06010-1842

SITE LOCATION:
1040 MAIN STREET
ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
GLASTONBURY, CT

WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER.
5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

STATE OF CONNECTICUT · RONALD P. WOLFF · No. 19998 · LICENSED PROFESSIONAL ENGINEER

DATE: 4/15/2021	
DRAWN BY: R.P.W.	
CHECKED BY: R.P.W.	
FILE:	
FIELD BOOK: R.P.W.	
SCALE: 1"=10'	
SHEET: 8 OF 20	
PLOT DATE: 7/28/2021	

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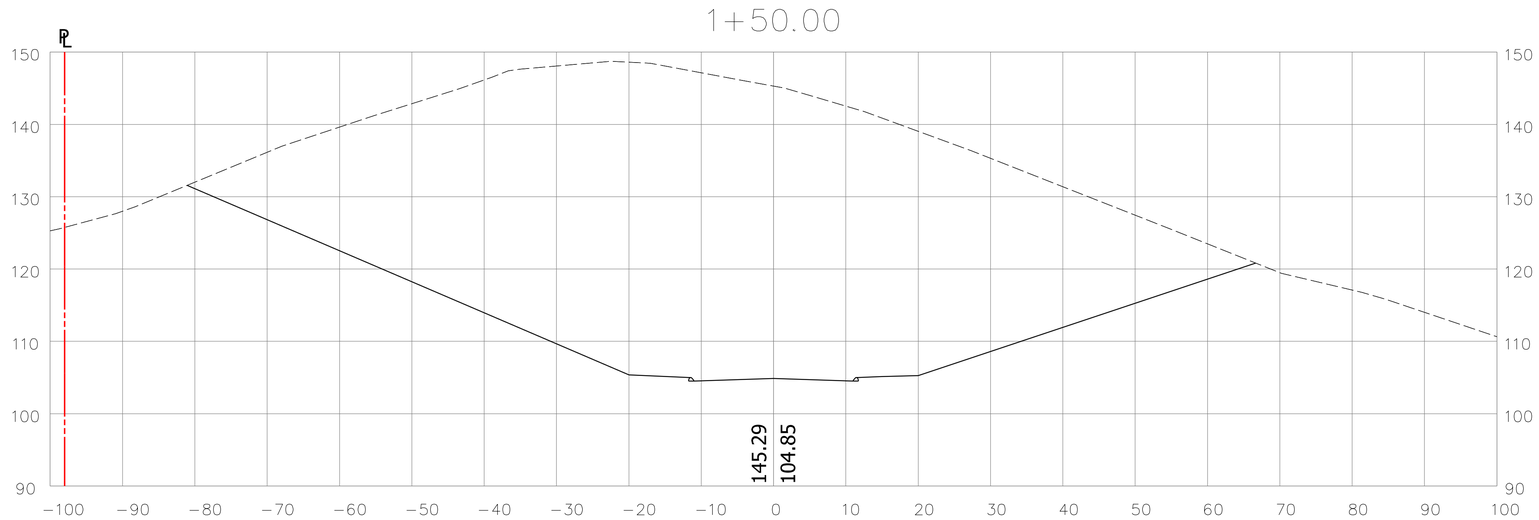

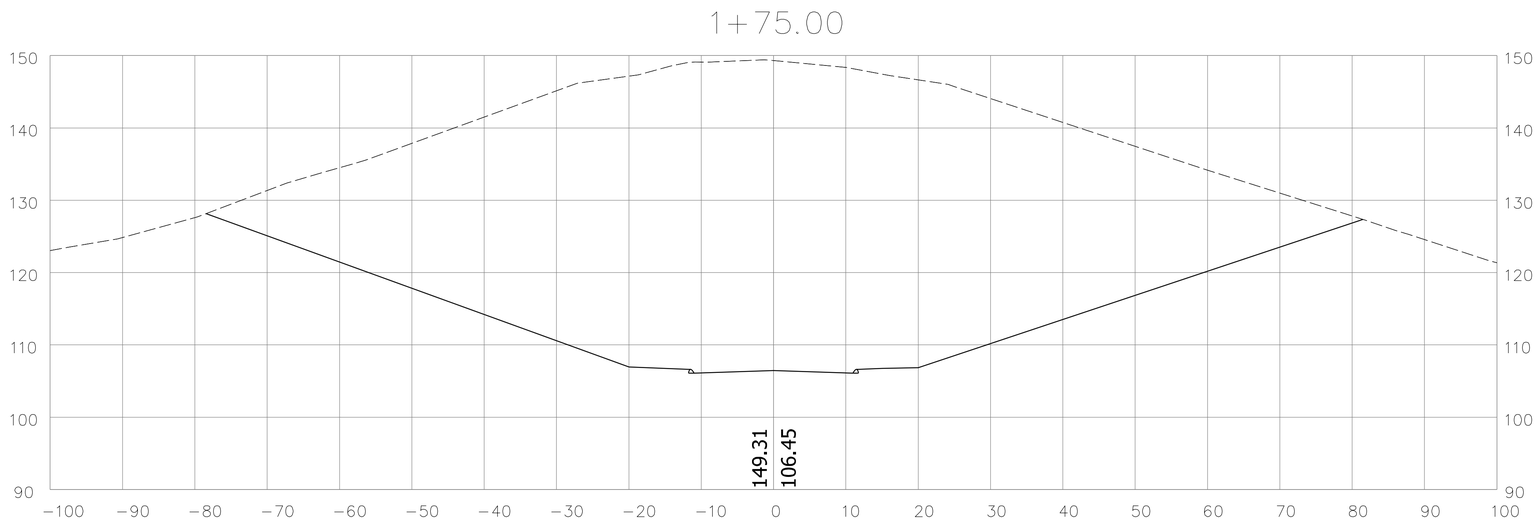

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

ROADWAY CROSS SECTIONS

OWNER/APPLICANT:
CARRIER CONSTRUCTION INC.
P.O. BOX 1842
BRISTOL, CT 06010-1842

SITE LOCATION:
1040 MAIN STREET
ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
GLASTONBURY, CT

WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
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5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

PLOT DATE: 7/28/2021

STATE OF CONNECTICUT
RONALD P. WOLFF
No. 19998
LICENSED
PROFESSIONAL ENGINEER

DATE: 4/15/2021
DRAWN BY: R.P.W.
CHECKED BY: R.P.W.
FILE:
FIELD BOOK: R.P.W.
SCALE: 1"=10'
SHEET: 9 OF 20

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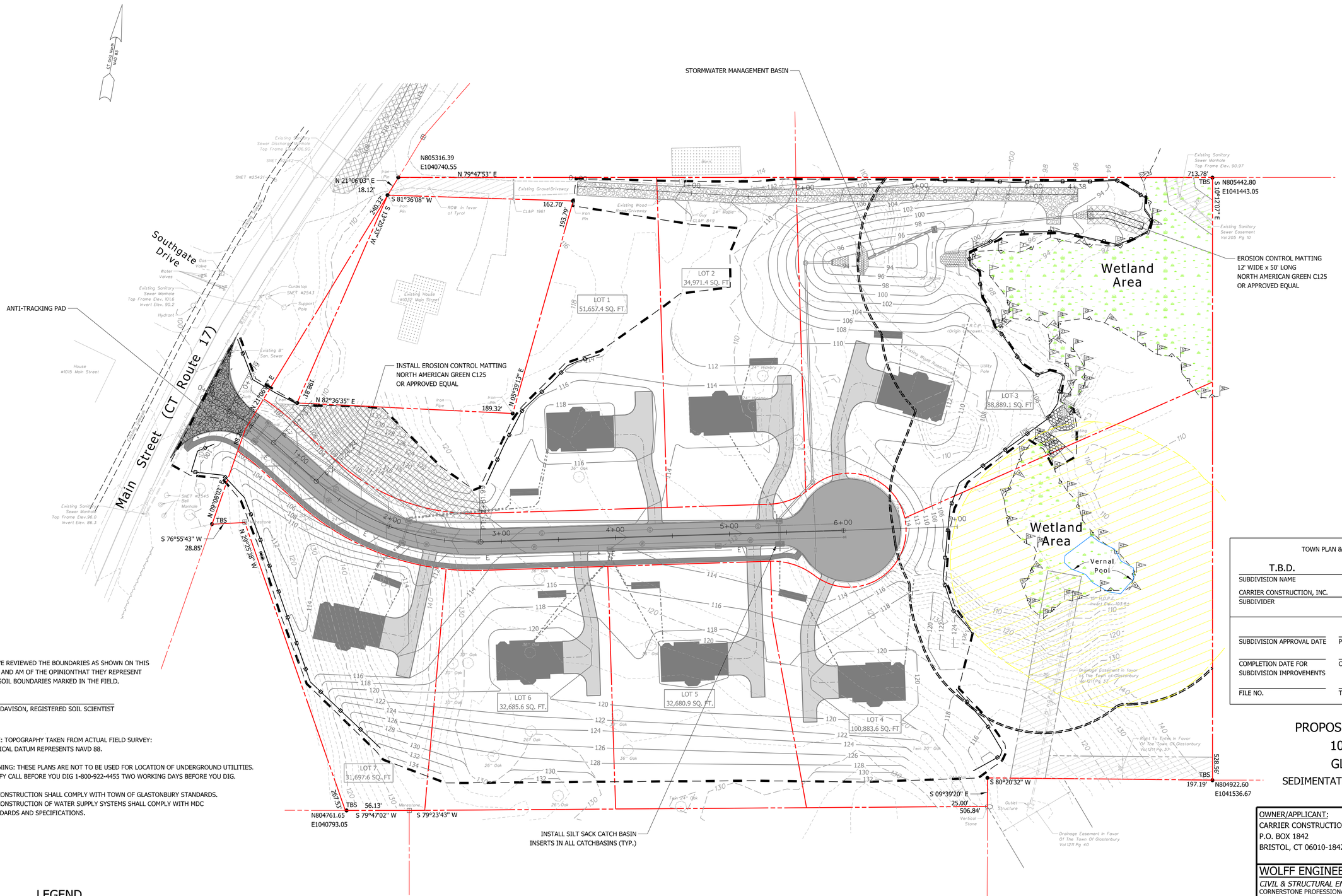

I HAVE REVIEWED THE BOUNDARIES AS SHOWN ON THIS PLAN AND AM OF THE OPINIONTHAT THEY REPRESENT THE SOIL BOUNDARIES MARKED IN THE FIELD.

ERIC DAVISON, REGISTERED SOIL SCIENTIST

NOTE: TOPOGRAPHY TAKEN FROM ACTUAL FIELD SURVEY: VERTICAL DATUM REPRESENTS NAVD 88.

WARNING: THESE PLANS ARE NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES. NOTIFY CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

ALL CONSTRUCTION SHALL COMPLY WITH TOWN OF GLASTONBURY STANDARDS. ALL CONSTRUCTION OF WATER SUPPLY SYSTEMS SHALL COMPLY WITH MDC STANDARDS AND SPECIFICATIONS.

LEGEND

- PROPERTY LINE
- 544 — EXISTING INDEX CONTOUR LINE AND ELEVATION
- EXISTING INTERMEDIATE CONTOUR LINE
- LIMIT OF FIELD DELINEATED WETLANDS
- 100 FOOT WETLAND SETBACK LINE
- 500 — PROPOSED CONTOUR LINE AND ELEVATION
- LIMIT OF DISTURBANCE/CLEARING LIMITS
- SEDIMENTATION CONTROL SYSTEM

PLAN

SCALE: 1"=40'

0' 40' 80' 120'

SCALE: 1"=40'

GRAPHIC SCALE

TOWN PLAN & ZONING COMMISSION APPROVAL

T.B.D.	RESIDENCE AA/GWP ZONE 1
SUBDIVISION NAME	ZONE
CARRIER CONSTRUCTION, INC.	
SUBDIVIDER	
SUBDIVISION APPROVAL DATE	PLAN & ZONING COMMISSION CHAIRMAN
COMPLETION DATE FOR SUBDIVISION IMPROVEMENTS	COMMUNITY DEVELOPMENT DIRECTOR
FILE NO.	TOWN ENGINEER

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT
SEDIMENTATION & EROSION CONTROL PLAN
(ENTIRE SITE)

OWNER/APPLICANT:
CARRIER CONSTRUCTION INC.
P.O. BOX 1842
BRISTOL, CT 06010-1842

SITE LOCATION:
1040 MAIN STREET
ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
GLASTONBURY, CT

WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER.
5/27/2021 WWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

STATE OF CONNECTICUT RONALD P. WOLFF No. 19998 LICENSED PROFESSIONAL ENGINEER

DATE: 4/15/2021	
DRAWN BY: R.P.W.	
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SHEET: 10 OF 20	

PLOT DATE: 7/28/2021

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EROSION CONTROL NOTES

GENERAL PRINCIPLES
THE FOLLOWING GENERAL PRINCIPLES SHALL BE MAINTAINED AS EFFECTIVE MEANS OF MINIMIZING EROSION AND SEDIMENTATION DURING THE SITE DEVELOPMENT PERIOD.

REMOVAL OF VEGETATION, REGRADING, AND OTHER GROUND DISTURBANCE SHALL BE PERFORMED IN A METHOD SUCH THAT EROSION IS MINIMIZED.

GRADING PLANS SHALL PRESERVE NATURAL FEATURES WHEREVER POSSIBLE AND INSURE CONFORMITY WITH TOPOGRAPHY SO AS TO MINIMIZE THE POTENTIAL FOR EROSION AND ADEQUATELY HANDLE THE VOLUME AND VELOCITY OF SURFACE WATER RUNOFF.

WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED, AND SUPPLEMENTED WHEREVER INDICATED ON THE PLANS.

DISTURBED AREAS SHALL BE STABILIZED AS QUICKLY AS POSSIBLE.

TEMPORARY VEGETATION AND/OR MULCHING SHALL BE USED TO PROTECT EXPOSED STRIPPED AREAS WHEN EXPECTED DURATION OF EXPOSURE IS GREATER THAN 30 DAYS.

THE FINAL VEGETATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS EARLY AS FEASIBLE DURING THE CONSTRUCTION PHASE.

SEDIMENT IN THE RUNOFF WATER SHALL BE TRAPPED UNTIL THE DISTURBED AREAS ARE STABILIZED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

ALL LAND WITHIN THE DEVELOPMENT SHALL BE GRADED TO DRAIN AND DISPOSE SURFACE WATER WITHOUT PONDING.

FINAL GRADING SHALL BE PERFORMED IN A MANNER TO PROVIDE PROPER DRAINAGE AWAY FROM BUILDINGS AND DISPOSE OF THE SURFACE WATER WITHOUT PONDING.

WHERE DRAINAGE SWALES ARE USED TO DIVERT SURFACE WATER, THEY SHALL BE SODDED OR PLANTED.

CONCENTRATION OF SURFACE RUNOFF SHALL ONLY BE PERMITTED BY PIPING AND/OR THROUGH THE USE OF DRAINAGE SWALES OR NATURAL WATERCOURSES.

CUTS AND FILLS
SLOPES CREATED BY CUTS OR FILLS THAT ARE STEEPER THAN 3:1, AND THE VERTICAL HEIGHT EXCEEDS 15 FEET, SHALL BE STABILIZED WITH ENGINEERED SLOPE STABILIZATION OR A BENCH SHALL BE CONSTRUCTED WITH A REVERSE SLOPE OF 5:1 OR FLATTER, AT LEAST 1 FOOT DEEP.

ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATER FROM DAMAGING THE CUT FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF FILLS.

CUTS AND FILLS SHALL NOT ENDANGER ADJOINING PROPERTY.

ALL FILLS SHALL BE COMPACTED TO PROVIDE STABILITY OF MATERIAL AND TO PREVENT UNDESIRABLE SETTLEMENT. THE FILL SHALL BE SPREAD IN LIFTS NOT EXCEEDING 12" AND SHALL BE COMPACTED BY AN APPROVED METHOD AFTER EACH LIFT IS PLACED.

GRADING SHALL BE PERFORMED IN A MANNER SUCH THAT SURFACE WATER IS NOT DIVERTED ON PROPERTY OF AN ADJACENT LANDOWNER.

FILLS SHALL NOT ENCROACH ON NATURAL WATERCOURSES, CHANNELS, OR REGULATED FLOOD PLAIN AREAS UNLESS PERMITTED BY LICENSE OR PERMIT FROM PROPER AUTHORITY.

DUST CONTROL MEASURES SHALL BE IMPLEMENTED DURING CONSTRUCTION ACTIVITIES IF REQUIRED.

SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THESE PLANS AND THE "2002 CONNECTICUT GUIDELINES FOR SOIL AND SEDIMENT CONTROL".

RESPONSIBILITY FOR THE PLAN
WHENEVER SEDIMENTATION IS CAUSED BY STRIPPING VEGETATION AND/OR GRADING, IT SHALL BE THE RESPONSIBILITY OF THE PERSON, CORPORATION, OR OTHER ENTITY HAVING RESPONSIBILITY TO REMOVE SEDIMENTATION FROM ALL LOWER PROPERTIES, DRAINAGE SYSTEMS AND WATERCOURSES, AND TO REPAIR ANY DAMAGE AT THEIR EXPENSE AS QUICKLY AS POSSIBLE.

MAINTENANCE OF ALL DRAINAGE FACILITIES AND WATERCOURSES WITHIN ANY PROJECT SHALL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER UNTIL THE PROJECT IS ACCEPTED BY THE TOWN. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. SURFACE INLETS SHALL BE KEPT OPEN AND FREE OF SEDIMENT AND DEBRIS. THE CONTROL MEASURES SHALL BE CHECKED AFTER EVERY MAJOR STORM AND SEDIMENT SHALL BE REMOVED AS REQUIRED.

IT SHALL BE THE RESPONSIBILITY OF ANY PERSON, CORPORATION, OR OTHER ENTITY ENGAGING IN ANY ACT ON OR NEAR ANY STREAM, WATERCOURSE OR SWALE OR UPON THE FLOOD PLAIN OR RIGHT-OF-WAY THEREOF TO MAINTAIN AS NEARLY AS POSSIBLE IN ITS PRESENT STATE THAT SAME STREAM, WATERCOURSE, SWALE, FLOOD PLAIN OR RIGHT-OF-WAY FOR THE DURATION OF THE ACTIVITY AND TO RETURN IT TO ITS ORIGINAL OR EQUAL CONDITION AFTER SUCH ACTIVITY IS COMPLETED.

MAINTENANCE OF DRAINAGE FACILITIES OR WATERCOURSES ORIGINATING AND COMPLETELY ON PRIVATE PROPERTY SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO THEIR POINT OF OPEN DISCHARGE AT THE PROPERTY LINE OR AT A COMMUNAL WATERCOURSE WITHIN THE PROPERTY.

NO PERSON, CORPORATION, OR OTHER ENTITY SHALL BLOCK, IMPEDE THE FLOW OF, ALTER, CONSTRUCT ANY STRUCTURE OR DEPOSIT ANY MATERIAL OR OBJECT OR COMMIT ANY ACT WHICH WILL EFFECT NORMAL OR FLOOD FLOW IN ANY COMMUNAL STREAM OR WATERCOURSE WITHOUT HAVING OBTAINED PRIOR APPROVAL FROM THE PROPER AUTHORITY.

AN ADEQUATE RIGHT-OF-WAY AND/OR EASEMENT SHALL BE PROVIDED FOR ALL DRAINAGE FACILITIES AND WATERCOURSES WHICH ARE PROPOSED EITHER FOR ACCEPTANCE BY THE TOWN OR PROVIDED BY OTHER PROPERTY OWNERS FOR THE CONVENIENCE OF THE OWNER/DEVELOPER.

IN CASE OF AN EMERGENCY (SEVERE FLOODING, HEAVY RAINS, ETC.) THE PARTY RESPONSIBLE AND THE TOWN'S W.E.O. SHALL BE NOTIFIED.

THE EMERGENCY CONTACT IS: GINO CARRIER TEL.: 860.883.5388.

TOPSOIL AND TURF ESTABLISHMENT

PLACING TOPSOIL
THE AREAS ON WHICH TOPSOIL IS TO BE PLACED SHALL BE GRADED TO A REASONABLY TRUE SURFACE. TOPSOIL SHALL THEN BE SPREAD TO THE LINES AND GRADES SHOWN ON THE PLANS. ALL STONES, ROOTS, DEBRIS, SOD, WEEDS AND OTHER UNDESIRABLE MATERIAL SHALL BE REMOVED. AFTER SHAPING AND GRADING, ALL TRUCKS AND OTHER EQUIPMENT SHALL BE EXCLUDED FROM THE TOPSOILED AREA TO PREVENT EXCESSIVE COMPACTION. THE CONTRACTOR SHALL PERFORM SUCH WORK AS REQUIRED TO PROVIDE A FRIABLE SURFACE FOR SEED GERMINATION AND PLANT GROWTH PRIOR TO SEEDING.

SEEDBED PREPARATION
FINE GRADE AND RAKE SURFACE TO REMOVE STONES LARGER THAN TWO INCHES IN DIAMETER. INSTALL THE REQUIRED EROSION CONTROL DEVICES. GRADE STABILIZATION STRUCTURES, SEDIMENT BASINS AND/OR DRAINAGE CHANNELS TO MAINTAIN SEEDED AREAS. APPLY LIMESTONE AT A RATE OF 2 TONS/ACRE OR 90 LBS./1000 SF UNLESS SPECIFIED OTHERWISE ON TOPSOIL TEST RESULTS. APPLY 10-10-10 FERTILIZER AT A RATE OF 300 LBS./ACRE OR 77.5 LBS./1000 SF. AT LEAST 50% OF THE NITROGEN SHALL BE FROM ORGANIC SOURCES. WORK LIME AND FERTILIZER INTO SOIL UNIFORMLY TO A DEPTH OF 4" WITH A HARROW OR OTHER SUITABLE EQUIPMENT FOLLOWING THE CONTOUR LINES.

SEED APPLICATION
APPLY GRASS MIXTURES AT RATES SPECIFIED BY HAND, CYCLONE SEEDER OR HYDROSEEDER. INCREASE SEED MIXTURE BY 10% IF HYDROSEEDER IS USED. LIGHTLY DRAG OR ROLL THE SEEDED SURFACE TO COVER SEED. SEEDING FOR SELECTED FINE GRASSES SHOULD BE DONE BETWEEN APRIL 1 AND JUNE 1 OR BETWEEN AUGUST 15 AND OCTOBER 15. IF SEEDING CANNOT BE DONE DURING THESE TIMES, REPEAT MULCHING PROCEDURE BELOW UNTIL SEEDING CAN TAKE PLACE OR SEED WITH A QUICK GERMINATING SEED MIXTURE TO STABILIZE SLOPES. A QUICK GERMINATING SEED MIXTURE, (DOMESTIC RYE), CAN BE APPLIED BETWEEN JUNE 15 THROUGH AUGUST 15 AS APPROVED BY THE ENGINEER.

MULCHING
IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEEDED SURFACE WITH STRAW, HAY OR WOOD FIBER AT A RATE OF 1.5 TO 2 TONS/ACRE EXCEPT AS OTHERWISE SPECIFIED ELSEWHERE. MULCHES SHALL BE FREE OF WEEDS AND COARSE MATTER. SPREAD MULCH BY HAND OR MULCH BLOWER. PUNCH MULCH INTO SOIL SURFACE WITH TRACK MACHINE OR DISK HARROW SET STRAIGHT-UP. MULCH MATERIAL SHALL BE "TUCKED" APPROXIMATELY 2"-3" INTO THE SOIL SURFACE. CHEMICAL MULCH BINDERS OR NETTING IN COMBINATION WITH THE STRAW, HAY OR WOOD FIBERS, SHALL BE USED WHERE DIFFICULT SLOPES DO NOT ALLOW HARROWING BY MACHINES.

GRASS SEED MIXTURES

TEMPORARY COVERS		PERMANENT COVERS	
PERENNIAL RYEGRASS:	20 LBS./ACRE	CREEPING RED FESCUE:	40 LBS./ACRE
ANNUAL RYEGRASS:	20 LBS./ACRE	CANADA BLUEGRASS:	20 LBS./ACRE

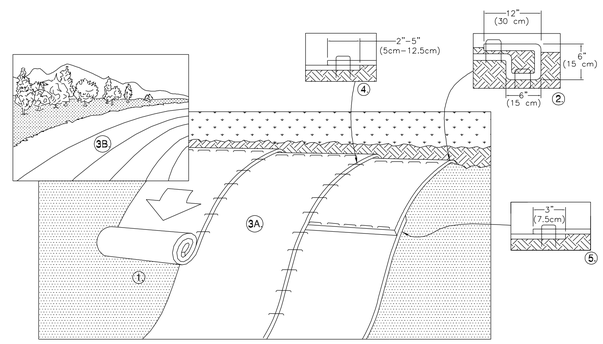
CONSTRUCTION SEQUENCE FOR STREET AND DRAINAGE SYSTEM

THE FOLLOWING IS A SUGGESTED SEQUENCE OF EVENTS FOR CONSTRUCTION OF THE PROPOSED STREET AND DRAINAGE SYSTEM:

1. HAVE THE PROPOSED ROAD AND LIMITS OF CONSTRUCTION/DISTURBANCE, STAKED BY A LICENSED LAND SURVEYOR.
2. HOLD THE PRECONSTRUCTION MEETING WITH THE DEVELOPER, CONTRACTOR, ENGINEER AND TOWN STAFF. NOTIFY CALL BEFORE YOU DIG: (1-800-922-4455).
3. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS FOR THE ENTIRE SITE IN ACCORDANCE WITH THE SEDIMENTATION AND EROSION CONTROL PLAN.
4. CLEAR VEGETATION WITHIN THE DEFINED CLEARING LIMITS AND REMOVE CUT WOOD. CHIP BRUSH AND STOCKPILE CHIPS FOR FUTURE USE OR REMOVE OFF SITE. EXCAVATE STUMPS AND REMOVE TO A DISPOSAL SITE OR STOCKPILE AREA TO BE CHIPPED.
5. REMOVE ALL TOPSOIL WITHIN THE SLOPE LIMITS. STOCKPILE ALL TOPSOIL IN AN APPROVED AREA AND SECURE WITH EROSION AND SEDIMENT CONTROLS.
6. BEGIN MASS EXCAVATION FOR THE PROPOSED ROAD AT MAIN STREET WORKING FROM THE WEST TOWARDS THE EAST.
7. CONSTRUCT DETENTION BASIN AND TEMPORARILY BLOCK THE VEE-NOTCH IN THE OUTLET STRUCTURE TO ELEVATION 98.5 AS SOON AS TRUCK ACCESS IS AVAILABLE FROM MAIN STREET.
8. CONSTRUCT TEMPORARY DIVERSION SWALES TO DIRECT RUNOFF INTO THE STORMWATER MANAGEMENT AREA DURING MASS EXCAVATION AND ROADWAY CONSTRUCTION PHASES.
9. PERFORM MASS EXCAVATION AND ROUGH GRADING FOR THE REMAINDER OF THE ROADWAY AND PREPARE ROAD UP TO SUBGRADE ELEVATION. REGRADE TEMPORARY DIVERSION SWALES TO DIRECT RUNOFF INTO THE DETENTION BASIN AS REQUIRED.
10. INSTALL DRAINAGE SYSTEM BEGINNING AT STORMWATER MANAGEMENT AREA PROGRESSING TO PROPOSED ROADWAY CATCH BASINS.
11. INSTALL SILT FENCE AND HAYBALES AROUND ALL CATCH BASIN INLETS.
12. INSTALL UNDERGROUND UTILITIES.
13. PLACE AND COMPACT SUBBASE FOR THE ROADWAY.
14. PAVE AND CURB THE ROAD.
15. SPREAD TOPSOIL, MULCH AND SEED ALL DISTURBED AREAS.
16. PLANT STREET TREES AND LANDSCAPING ITEMS.
17. REMOVE ALL SILT AND DEBRIS FROM CATCH BASIN SUMPS. REMOVE ACCUMULATED SILT FROM STORMWATER BASIN.
18. REMOVE BLOCK FROM NOTCH IN STORMWATER BASIN OUTLET STRUCTURE ONCE SITE IS STABILIZED.
19. INSTALL UNDERDRAIN IN STORMWATER BASIN. INSTALL GATE VALVE ON 4" PVC UNDERDRAIN PIPE IN OUTLET STRUCTURE.
20. SPREAD TOPSOIL AND SEED DISTURBED AREAS IN STORMWATER BASIN.
21. ALL EROSION CONTROL DEVICES, INCLUDING CATCH BASINS, SHALL BE CLEANED WHEN SEDIMENT REACHES ONE-HALF OF THE RECOMMENDED DEPTH.

SOIL EROSION CONTROL NARRATIVE

1. THIS PROJECT CONSISTS OF THE DEVELOPMENT OF APPROXIMATELY 9.3 ACRES INTO 7 RESIDENTIAL BUILDING LOTS. ALL LOTS WILL BE SERVICED BY PUBLIC WATER AND SEWER. ZONING OF THE PROPERTY IS RESIDENCE AA AND GROUNDWATER PROTECTION ZONE 1.
2. EXPECTED TOTAL AREA TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 6.2 ACRES.
3. THE STORM DRAINAGE SYSTEM IS DESIGNED TO COLLECT RUNOFF FROM THE ROADWAY AND DIRECT IT TO THE PROPOSED STORMWATER MANAGEMENT AREA WHICH WILL CONTROL RUNOFF AND IMPROVE WATER QUALITY. ALL ROOF LEADER DRAINS WILL BE DIRECTED TO UNDERGROUND INFILTRATION DEVICES TO CONTROL RUNOFF.
4. APPROXIMATELY 700 LINEAR FEET OF ROAD WILL BE CONSTRUCTED TO PROVIDE ACCESS TO THE PROPOSED LOTS.
5. THERE ARE TWO WETLAND AREAS ON THE SITE. EROSION AND SEDIMENTATION CONTROL MEASURES SHOULD BE IMPLEMENTED SPECIFICALLY TO PROTECT THESE AREAS. THESE MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND PER THE 2002 CONNECTICUT GUIDELINES FOR SOIL AND SEDIMENT CONTROL.
6. THE PERMITS ASSOCIATED WITH THIS PROJECT INCLUDE A LOCAL INLAND WETLANDS PERMIT, A LOCAL PLANNING ZONING PERMIT AND A D.E.E.P. STORMWATER GENERAL PERMIT.
7. DETAILS FOR THE INSTALLATION OF THE PROPOSED EROSION AND SEDIMENTATION CONTROLS CAN BE FOUND ON THE "EROSION CONTROL DETAIL" SHEETS WITHIN THESE PLANS.
8. THE ENGINEERING REPORT AND HYDROLOGY AND HYDRAULICS CALCULATIONS PREPARED BY WOLFF ENGINEERING, ARE A SEPARATE DOCUMENT AND ARE PART OF THE SEDIMENT AND EROSION CONTROL PLAN.
9. GINO CARRIER OF CARRIER CONSTRUCTION INC. WILL BE THE PERSON RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL SOIL EROSION CONTROL MEASURES. TEL.: 860.883.5388.
10. NO CHANGES TO THE SITE PLANS ARE PERMITTED UNLESS THEY HAVE BEEN PREVIOUSLY APPROVED BY THE ZONING ENFORCEMENT OFFICER AND THE TOWN ENGINEER/DIRECTOR OF PUBLIC WORKS.
11. THE ESTIMATED START DATE FOR THIS PROJECT IS AUGUST 1,2021 AND COMPLETION DATE JUNE 30, 2022.



1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
   NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP's IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF RECP's EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP's WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP's BACK OVER SEED AND COMPACTED SOIL. SECURE RECP's OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP's.
3. ROLL THE RECP's (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP's WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL RECP's MUST BE STAPLED WITH APPROXIMATELY 2" – 5" (5 CM – 12.5 CM) OVERLAP DEPENDING ON RECP's TYPE.
5. CONSECUTIVE RECP's SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP's WIDTH.
   NOTE:
   *IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP's.

EROSION CONTROL MATTING SLOPE INSTALLATION DETAILS

NOT TO SCALE

SEDIMENTATION AND EROSION CONTROL MAINTENANCE

ANTI-TRACKING PAD MAINTENANCE
MAINTAIN THE ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING AND WASHING OF SEDIMENT ONTO PAVED SURFACES. PROVIDE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND. REPAIR ANY MEASURES USED TO TRAP SEDIMENT AS NEEDED. IMMEDIATELY REMOVE ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PAVED SURFACES. ROADS ADJACENT TO A CONSTRUCTION SITE SHALL BE LEFT CLEAN AT THE END OF EACH DAY. IF THE CONSTRUCTION ENTRANCE IS BEING PROPERLY MAINTAINED AND THE ACTION OF A VEHICLE TRAVELING OVER THE STONE PAD IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF THE SEDIMENT, THEN EITHER (1) INCREASE THE LENGTH OF THE CONSTRUCTION ENTRANCE, (2) MODIFY THE CONSTRUCTION ACCESS ROAD SURFACE, OR (3) INSTALL WASHING RACKS AND ASSOCIATED SETTLING AREA OR SIMILAR DEVICES BEFORE THE VEHICLE ENTERS A PAVED SURFACE.

SILT FENCE MAINTENANCE
INSPECT THE SILT FENCE AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER TO DETERMINE MAINTENANCE NEEDS. WHEN USED FOR DEWATERING OPERATIONS, INSPECT FREQUENTLY BEFORE, DURING AND AFTER PUMPING OPERATIONS. REMOVE THE SEDIMENT DEPOSITS OR, IF ROOM ALLOWS, INSTALL A SECONDARY SILT FENCE UP SLOPE OF THE EXISTING FENCE WHEN SEDIMENT DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE EXISTING FENCE. REPLACE OR REPAIR THE FENCE WITHIN 24 HOURS OF OBSERVED FAILURE. FAILURE OF THE FENCE HAS OCCURRED WHEN SEDIMENT FAILS TO BE RETAINED BY THE FENCE BECAUSE: (A) THE FENCE HAS BEEN OVERTOPPED, UNDERCUT OR BYPASSED BY RUNOFF WATER, (B) THE FENCE HAS BEEN MOVED OUT OF POSITION (KNOCKED OVER), OR (C) THE GEOTEXTILE HAS DECOMPOSED OR BEEN DAMAGED. WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATIONS FOR USE AND DETERMINE IF ADDITIONAL CONTROLS (E.G. TEMPORARY STABILIZATION OF CONTRIBUTING AREA, DIVERSIONS, STONE BARRIERS) ARE NEEDED TO REDUCE FAILURE RATE OR REPLACE FENCE. MAINTAIN THE FENCE UNTIL THE CONTRIBUTING AREA IS STABILIZED. AFTER THE CONTRIBUTING AREA IS STABILIZED DETERMINE IF SEDIMENT CONTAINED BY THE FENCE REQUIRES REMOVAL OR REGRADING AND STABILIZATION. IF THE DEPTH IS GREATER THAN OR EQUAL TO 6 INCHES, REGRADING OR REMOVAL OF THE ACCUMULATED SEDIMENT IS REQUIRED. NO REMOVAL OR REGRADING IS REQUIRED IF SEDIMENT DEPTH IS LESS THAN 6 INCHES. REMOVE THE FENCE BY PULLING UP THE SUPPORT POSTS AND CUTTING THE GEOTEXTILE AT GROUND LEVEL. REGRADE OR REMOVE SEDIMENT AS NEEDED, AND STABILIZE DISTURBED SOILS.

HAY BALE BARRIER MAINTENANCE
INSPECT THE HAY BALE BARRIER AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER TO DETERMINE MAINTENANCE NEEDS. FOR DEWATERING OPERATIONS, INSPECT FREQUENTLY BEFORE, DURING, AND AFTER PUMPING OPERATIONS. REMOVE THE SEDIMENT DEPOSITS OR INSTALL A SECONDARY BARRIER UPSLOPE FROM THE EXISTING BARRIER WHEN SEDIMENT DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. REPLACE OR REPAIR THE BARRIER WITHIN 24 HOURS OF OBSERVED FAILURE. FAILURE OF THE BARRIER HAS OCCURRED WHEN SEDIMENT FAILS TO BE RETAINED BY THE BARRIER BECAUSE: (A) THE BARRIER HAS BEEN OVERTOPPED, UNDERCUT OR BYPASSED BY RUNOFF WATER, (B) THE BARRIER HAS BEEN MOVED OUT OF POSITION, OR (C) THE HAY BALES HAVE DETERIORATED OR BEEN DAMAGED. WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATIONS FOR USE AND DETERMINE IF ADDITIONAL CONTROLS (E.G. TEMPORARY STABILIZATION OF CONTRIBUTING AREA, DIVERSIONS, STONE BARRIERS) ARE NEEDED TO REDUCE FAILURE RATE OR REPLACE HAY BALE BARRIER. MAINTAIN THE HAY BALE BARRIER UNTIL THE CONTRIBUTING AREA IS STABILIZED. AFTER THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED, PULL THE STAKES OUT OF THE HAY BALES. UNLESS OTHERWISE REQUIRED, NO REMOVAL OR REGRADING OF ACCUMULATED SEDIMENT IS NECESSARY. THE HAY BALES MAY THEN BE LEFT IN PLACE OR BROKEN UP FOR GROUND COVER.

STONE CHECK DAM MAINTENANCE
INSPECT STONE CHECK DAMS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER TO DETERMINE MAINTENANCE NEEDS. REMOVE THE SEDIMENT DEPOSITS WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE CHECK DAM. REPLACE OR REPAIR THE CHECK DAM WITHIN 24 HOURS OF OBSERVED FAILURE. FAILURE OF THE CHECK DAM HAS OCCURRED WHEN SEDIMENT FAILS TO BE RETAINED BECAUSE: STONE HAS MOVED, SOIL HAS ERODED AROUND OR UNDER THE CHECK DAM REDUCING ITS FUNCTIONAL CAPACITY, OR TRAPPED SEDIMENTS ARE OVERTOPPING THE CHECK DAM. WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATIONS FOR USE AND DETERMINE IF ADDITIONAL CONTROLS (E.G. TEMPORARY STABILIZATION OF CONTRIBUTING AREA, DIVERSIONS, STONE CHECK DAMS) ARE NEEDED TO REDUCE FAILURE RATE. MAINTAIN THE STONE CHECK DAM UNTIL THE CONTRIBUTING AREA IS STABILIZED. AFTER THE CONTRIBUTING AREA IS STABILIZED, REMOVE ACCUMULATED SEDIMENT. STONE CHECK DAMS MAY BE REMOVED OR GRADED INTO THE FLOW LINE OF THE CHANNEL OVER THE AREA LEFT DISTURBED BY SEDIMENT REMOVAL. GRADE SO THERE ARE NO OBSTRUCTIONS TO WATER FLOW. IF STONE CHECK DAMS ARE USED IN GRASS-LINED CHANNELS WHICH WILL BE MOWED, REMOVE ALL THE STONE OR CAREFULLY GRADE OUT THE STONE TO ENSURE IT DOES NOT INTERFERE WITH MOWING. STABILIZE ANY DISTURBED SOIL THAT REMAINS FROM CHECK DAM REMOVAL OPERATIONS.

TEMPORARY SEDIMENT TRAP MAINTENANCE
INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER. CHECK THE OUTLET TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE HEIGHT OF THE STONE OUTLET SHOULD MAINTAINED AT LEAST 1 FOOT BELOW THE CREST OF THE EMBANKMENT. ALSO CHECK FOR SEDIMENT ACCUMULATION AND FILTRATION PERFORMANCE. WHEN SEDIMENTS HAVE ACCUMULATED TO ONE HALF THE MINIMUM REQUIRED VOLUME OF THE WET STORAGE, DEWATER THE TRAP AS NEEDED, REMOVE SEDIMENTS AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS. DISPOSE OF THE SEDIMENT REMOVED FROM THE BASIN IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS. THE TEMPORARY SEDIMENT TRAP MAY BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED.

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

SEDIMENTATION & EROSION CONTROL NOTES & DETAILS
CONSTRUCTION NOTES AND SEQUENCE

OWNER/APPLICANT:	SITE LOCATION:
CARRIER CONSTRUCTION INC.	1040 MAIN STREET
P.O. BOX 1842	ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
BRISTOL, CT 06010-1842	GLASTONBURY, CT

WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER.
5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

PLOT DATE: 7/28/2021

STATE OF CONNECTICUT RONALD P. WOLFF No. 19998 LICENSED PROFESSIONAL ENGINEER

DATE:	4/15/2021
DRAWN BY:	R.P.W.
CHECKED BY:	R.P.W.
FILE:	
FIELD BOOK:	R.P.W.
SCALE:	AS NOTED
SHEET:	11 OF 20

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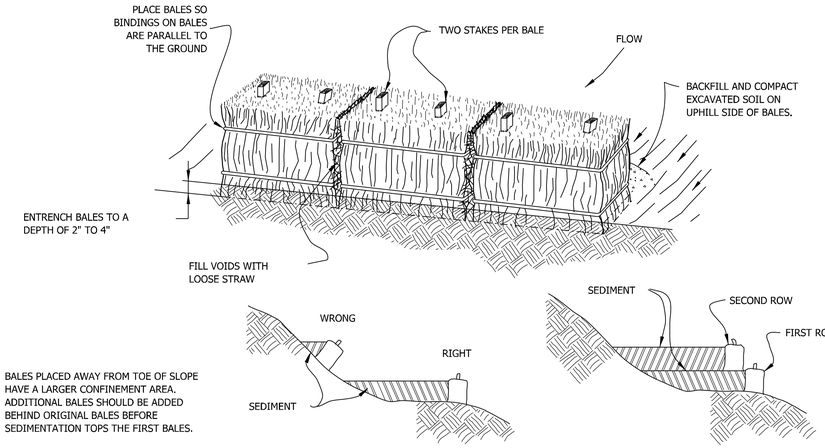
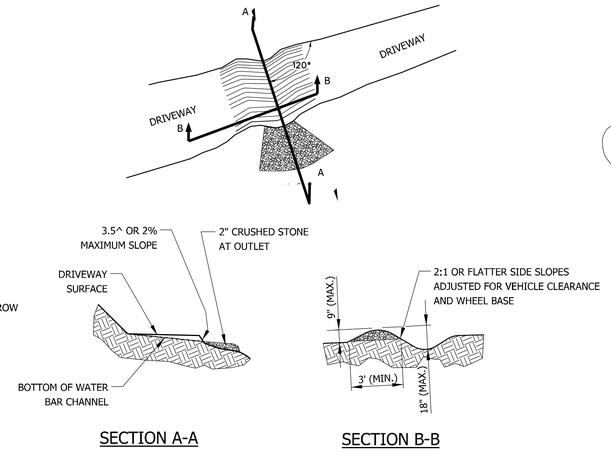


PREFERRED PLACEMENT

HAY/STRAW BALES

NOT TO SCALE

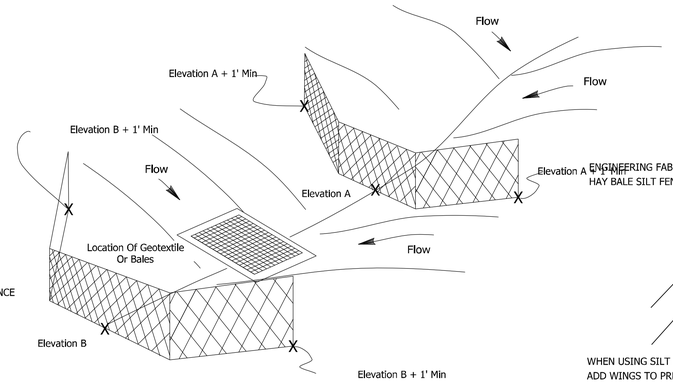


SECTION A-A

SECTION B-B

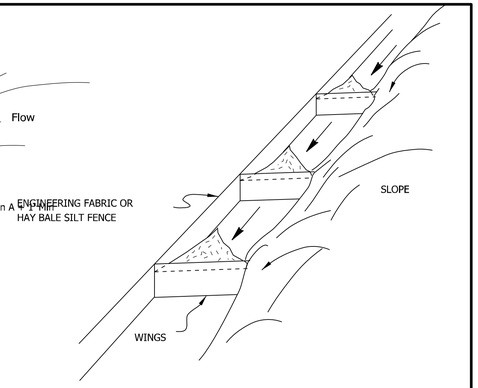
TEMPORARY WATER BAR DETAIL

NOT TO SCALE



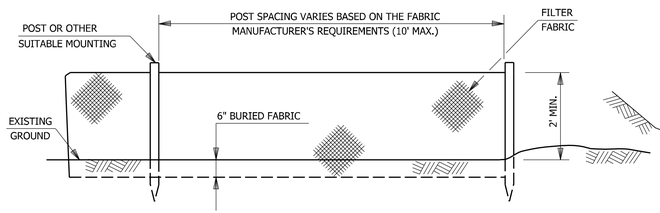
CATCH BASIN ON A SLOPE

NOT TO SCALE

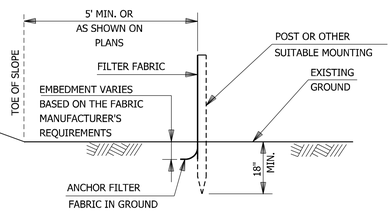


WHEN USING SILT FENCE ALONG TOE OF SLOPE, ADD WINGS TO PREVENT SEDIMENT FROM MOVING ALONG THE FENCE AND OFF THE SITE. SPACING OF THE WING SHALL BE DETERMINED BY THE ENGINEER.

SEDIMENTATION CONTROL SYSTEM TOE OF SLOPE



ELEVATION



SECTION

SEDIMENTATION CONTROL SYSTEM

NOT TO SCALE

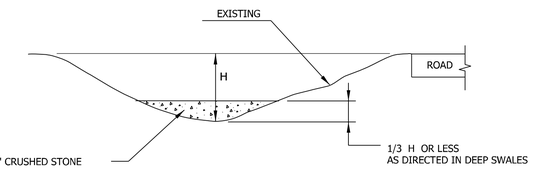
TEMPORARY DIVERSION NOTES

CONSTRUCTION

1. INSTALL EROSION CONTROLS AT THE OUTLET WHERE SEDIMENTLADEN RUNOFF IS EXPECTED.
2. CONSTRUCT THE TEMPORARY DIVERSION AFTER GRADING THE BERM
3. TAMP OR COMPACT IT TO PREVENT FAILURE.
4. APPLY STABILIZATION MEASURES (MAY INCLUDE TEMPORARY OR PERMANENT SEED AND MULCH) IMMEDIATELY FOLLOWING CONSTRUCTION.

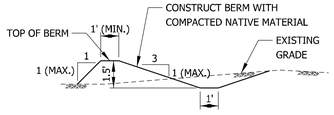
MAINTENANCE

1. WHEN THE TEMPORARY DIVERSION IS LOCATED WITHIN CLOSE PROXIMITY TO ONGOING CONSTRUCTION ACTIVITIES, INSPECT THE TEMPORARY DIVERSION AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES CAUSED BY CONSTRUCTION EQUIPMENT. OTHERWISE INSPECT THE TEMPORARY DIVERSION AND ANY ASSOCIATED MEASURES WEEKLY OR IMMEDIATELY AFTER 0.5 INCH OF RAIN FALLS WITHIN A 24-HOUR PERIOD TO DETERMINE MAINTENANCE NEEDS.
2. REPAIR THE TEMPORARY DIVERSION AND ANY ASSOCIATED MEASURES WITHIN 24 HOURS OF OBSERVED FAILURE.
3. WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATION FOR USE AND DETERMINE IF ADDITIONAL MEASURES ARE NEEDED TO REDUCE FAILURE RATES OR IF ALTERNATE MEASURES ARE INDICATED TO REPLACE THE TEMPORARY DIVERSION.



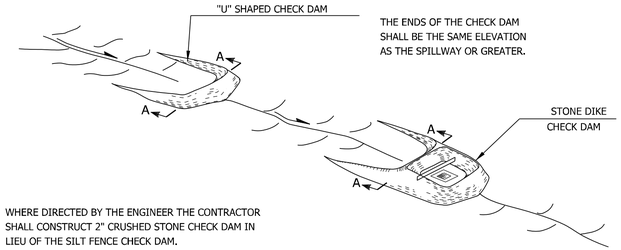
SECTION A-A

* MAXIMUM HEIGHT OF CHECK DAM SHOULD NOT EXCEED 1/3 HEIGHT OF THE CHANNEL.



TEMPORARY DIVERSION BERM/SWALE DETAIL

SCALE: 1"=4'-0"

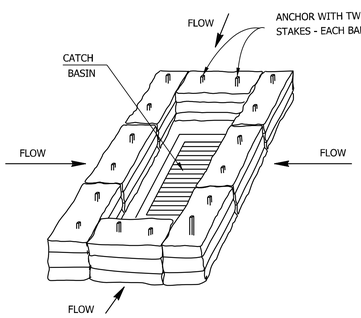


THE ENDS OF THE CHECK DAM SHALL BE THE SAME ELEVATION AS THE SPILLWAY OR GREATER.

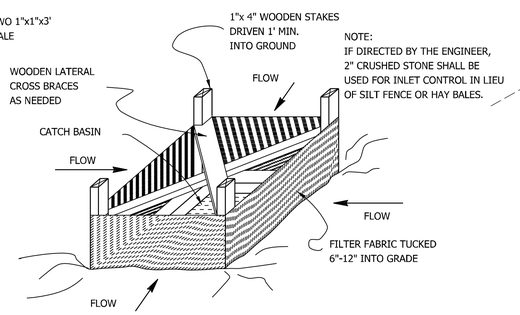
WHERE DIRECTED BY THE ENGINEER THE CONTRACTOR SHALL CONSTRUCT 2" CRUSHED STONE CHECK DAM IN LIEU OF THE SILT FENCE CHECK DAM.

STONE CHECK DAM

NOT TO SCALE



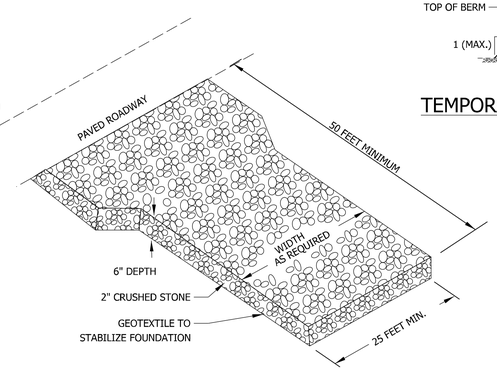
HAY BALE INSTALLATION AT CATCH BASIN



SILT FENCE INSTALLATION AT CATCH BASIN

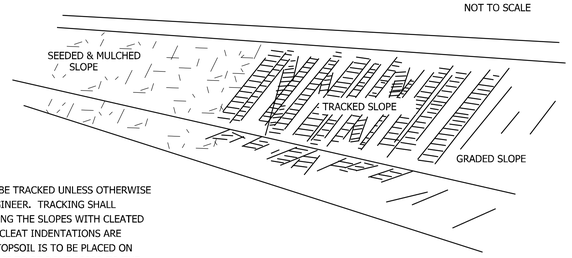
CATCH BASIN IN A DEPRESSION

NOT TO SCALE



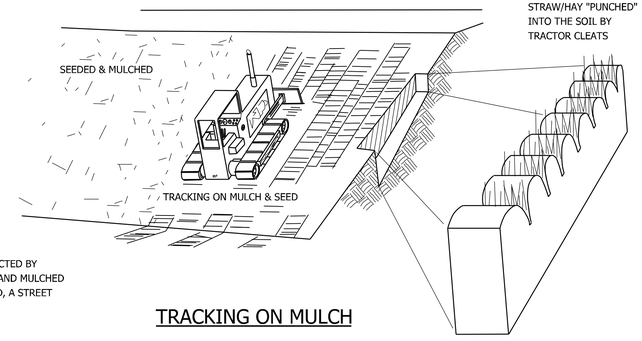
ANTI-TRACKING PAD

NOT TO SCALE



EARTH SLOPES SHALL BE TRACKED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. TRACKING SHALL CONSIST OF TRAVERSING THE SLOPES WITH CLEATED TRACKS SO THAT THE CLEAT INDENTATIONS ARE HORIZONTAL.WHERE TOPSOIL IS TO BE PLACED ON SLOPE, THE TRACKING IS TO BE DONE PRIOR TO THE INSTALLATION OF THE TOPSOIL.

TRACKING PLAN



THE CONTRACTOR SHALL TRACK IF DIRECTED BY THE ENGINEER ON TOP OF THE SEEDED AND MULCHED AREA. A GROUSER PAD SHOULD BE USED, A STREET PAD IS NOT ACCEPTABLE.

TRACKING ON MULCH

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

SEDIMENTATION & EROSION CONTROL DETAILS

OWNER/APPLICANT:	SITE LOCATION:
CARRIER CONSTRUCTION INC.	1040 MAIN STREET
P.O. BOX 1842	ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
BRISTOL, CT 06010-1842	GLASTONBURY, CT

WOLFF ENGINEERING
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39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
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5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

PLOT DATE: 7/28/2021

STATE OF CONNECTICUT · RONALD P. WOLFF · No. 19998 · LICENSED PROFESSIONAL ENGINEER

DATE:	4/15/2021
DRAWN BY:	R.P.W.
CHECKED BY:	R.P.W.
FILE:	
FIELD BOOK:	R.P.W.
SCALE:	AS NOTED
SHEET:	12 OF 20

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FORMATION OF EMBANKMENT FOR DETENTION BASIN

A. MATERIALS

1. FILL MATERIAL SHALL BE FREE OF FROZEN MATERIAL, SOD, BRUSH, ROOTS, STUMPS AND OTHER ORGANIC MATERIAL. EARTH EMBANKMENTS SHALL CONTAIN NO STONES OVER SIX INCHES IN DIAMETER. THE MATERIAL USED IN THE CORE PORTION OF THE EMBANKMENT SHALL BE THE MOST IMPERVIOUS MATERIAL OBTAINED FROM THE BORROW AREAS, AS REQUIRED. THE MORE PERVIOUS MATERIALS SHALL BE USED IN THE OUTER FILL PORTION OF THE EMBANKMENT AS SHOWN ON THE PLANS.

2. THE IMPERVIOUS CORE FILL MATERIAL SHALL BE GLACIAL TILL, TO BE PROVIDED IN SUFFICIENT QUANTITIES TO COMPLETE THE WORK. FILL MATERIAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. GLACIAL TILL SHALL CONSIST OF HARD AND DURABLE PARTICLES OR FRAGMENTS AND SHALL BE FREE OF ORGANIC MATTER AND OTHER OBJECTIONABLE MATERIALS. GLACIAL TILL SHALL CONFORM TO THE FOLLOWING GRADATION REQUIREMENTS.

U.S. STANDARD SIEVE SIZE	PERCENT PASSING BY WEIGHT
3 INCH	100
NO. 4	60 - 95
NO. 10	50 - 95
NO. 40	30 - 75
NO. 100	20 - 65
NO. 200	10 - 40

B. BERM FOUNDATION PREPARATION

1. ALL TREE CLEARING SHALL BE FLAGGED AND REVIEWED BY THE WETLAND ENFORCEMENT OFFICER PRIOR TO ANY CUTTING OR CLEARING.

2. THE AREA WHERE THE BERM IS TO BE CONSTRUCTED SHALL BE CLEARED AND GRUBBED OF ALL TOPSOIL AND OTHER ORGANIC MATERIALS TO A DEPTH OF AT LEAST 24". UNLESS OTHERWISE SPECIFIED ON THE PLANS, BERM FOUNDATION AREAS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF THREE INCHES PRIOR TO PLACEMENT OF FILL MATERIAL.

C. PLACEMENT OF FILL

1. ALL EROSION CONTROL MEASURES SHALL BE ERECTED, INSPECTED AND APPROVED BY THE WETLANDS ENFORCEMENT OFFICER PRIOR TO PLACEMENT/EXCAVATION OF MATERIAL.

2. NO FILL SHALL BE PLACED UNTIL THE FOUNDATION PREPARATION AND EXCAVATIONS IN THE FOUNDATION HAVE BEEN COMPLETED AND APPROVED BY THE ENGINEER. NO FILL SHALL BE PLACED ON A FROZEN SURFACE NOR SHALL FROZEN MATERIAL BE INCORPORATED.

3. EMBANKMENT MATERIAL SHALL BE PLACED IN HORIZONTAL LAYERS IN 12 INCH LOOSE LIFTS. DURING CONSTRUCTION, THE SURFACE OF THE FILL SHALL BE SLOPED TO DRAIN. EACH LAYER OR LIFT SHALL EXTEND OVER THE ENTIRE AREA OF THE FILL.

4. THE FILL SHALL BE FREE FROM LENSES, POCKETS, STREAKS, OR LAYERS OF MATERIAL DIFFERING SUBSTANTIALLY IN TEXTURE OR GRADATION FROM THE SURROUNDING MATERIAL. THE MORE PERVIOUS MATERIAL SHALL BE PLACED IN THE OUTSIDE PORTION OF THE BERM OR AS INDICATED ON THE DRAWINGS. THE FINISHED FILL SHALL BE SHAPED AND GRADED TO THE LINES AND GRADE SHOWN ON THE DRAWINGS.

5. PIPE BACKFILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED 6 TO 8 INCH LOOSE LIFTS AND SHALL BE BROUGHT UP UNIFORMLY AROUND THE OUTLET PIPE AND FLARED END SECTION.

D. MOISTURE CONTROL

1. THE MOISTURE OF MATERIALS IN THE BERM SHALL BE CONTROLLED TO MEET THE REQUIREMENTS OF SOF APPROVED SPRINKLING EQUIPMENT. WATER SHALL BE ADDED UNIFORMLY AND EACH LAYER SHALL BE THOROUGHLY DISKED OR HARROWED TO PROVIDE PROPER MIXING. ANY LAYER FOUND TOO WET FOR COMPACTION SHALL BE ALLOWED TO DRY BEFORE ROLLING. PLACING OR ROLLING MATERIALS ON EARTH FCONTENT BEYOND THE LIMIT OF SATISFACTORY COMPACTION. THE EARTH FILL SHALL BE BROUGHT UP UNIFORMLY AND ITS TOP SHALL BE KEPT GRADED AND SLOPED SO THAT A MINIMUM OF RAIN WATER WILL BE RETAINED THEREON. COMPACTED EARTH FILL DAMAGED BY RUNOFF SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR.

E. COMPACTION OF BERM

1. BERM MATERIALS SHALL BE COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY AT OR NEAR OPTIMUM MOISTURE CONTENT AND BY THE COMPACTION EQUIPMENT SPECIFIED HEREIN. THE COMPACTION EQUIPMENT SHALL TRAVERSE THE ENTIRE SURFACE OF EACH LAYER OF FILL MATERIAL.

2. APPROVED TAMPING ROLLERS SHALL BE USED FOR COMPACTING ALL PARTS OF THE BERM. THE CONTRACTOR SHALL DEMONSTRATE THE EFFECTIVENESS OF THE ROLLER BY ACTUAL SOIL COMPACTION TEST RESULTS OF THE SOIL TO BE USED IN THE BERM WITH LABORATORY WORK PERFORMED BY AN APPROVED SOIL TESTING LABORATORY. COMPACTION TESTS SHALL INCLUDE MODIFIED PROCTOR AND NUCLEAR DENSITY TESTS MADE ST THE ENGINEER'S DISCRETION. A MINIMUM OF THREE PROCTOR TESTS SHALL BE PERFORMED AND DENSITY TESTS SHALL BE PERFORMED EVERY 1500 SQUARE FEET.

3. PIPE BACKFILL SHALL BE COMPACTED BY HAND TAMPING WITH MECHANICAL TAMPERS. HEAVY EQUIPMENT SHALL NOT BE OPERATED WITHIN THREE FEET OF ANY STRUCTURE. EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE OVER THE OUTLET CULVERTS UNTIL THERE IS A LEAST TWO FEET OF COVER OVER THE PIPES.

F. FINISHING EMBANKMENTS

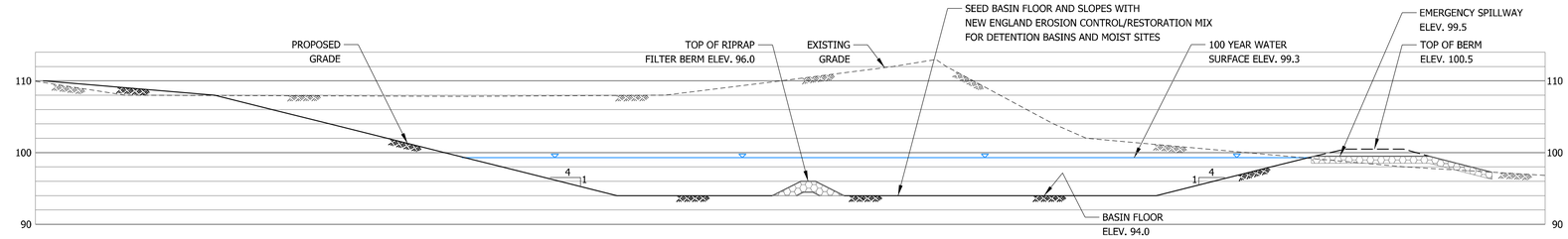
1. THE BERM SHALL BE CONSTRUCTED TO THE ELEVATIONS, LINES AND GRADES AND CROSS SECTIONS AS SHOWN ON THE PLANS. THE BERM SHALL BE MAINTAINED IN A MANNER SATISFACTORY TO THE ENGINEER AND THE TOWN AND SURFACES SHALL BE COMPACTED AND ACCURATELY GRADED BEFORE TOPSOIL IS PLACED ON THEM.

2. THE TOPSOIL SHALL BE PLACED AT A DEPTH OF 4 TO 6 INCHES OVER THE DISTURBED AREA AFTER COMPLETION OF CONSTRUCTION.

3. DISTURBED AREAS SHALL BE SEEDED WITH "NEW ENGLAND ENVIRONMENTAL BASIN MIX" OR APPROVED EQUAL AT A RATE OF 1 LB. PER 5000 SQUARE FEET OR AT A RATE RECOMMENDED BY THE MANUFACTURER.

4. SEEDED AREAS SHALL BE STABILIZED WITH HAY OR MULCH UNTIL VEGETATION IS FIRMLY ESTABLISHED. ECTION E " COMPACTION OF BERM". WHEN NECESSARY, MOISTURE SHALL BE ADDED BY THE USE

5. SEEDED AREAS SHALL BE MONITORED WEEKLY FOR EROSION AND ANY AREAS THAT REQUIRE RESEEDING SHALL BE RESEEDED COMPLETELY AND IMMEDIATELY.ILL WILL NOT BE PERMITTED DURING OR IMMEDIATELY AFTER RAINFALLS WHICH INCREASE THE MOISTURE

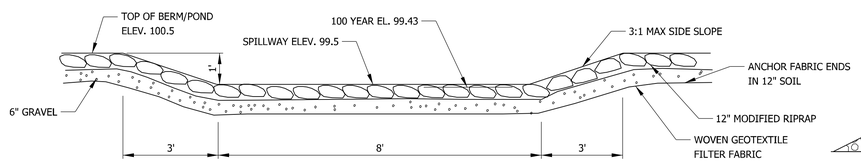


STORMWATER MANAGEMENT AREA TYPICAL SECTION

SCALE: 1"=10'

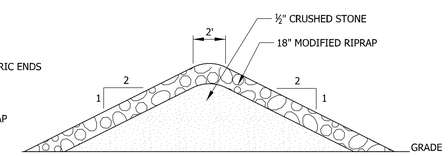
CONSTRUCTION MAINTENANCE SCHEDULE FOR DETENTION BASIN

1. INSTALL SOIL & EROSION CONTROL MEASURES PER THE PLAN.
2. TEMPORARILY SEED THE BASIN SLOPES AS CALLED OUT IN SEEDING & PLANTING REQUIREMENTS.
3. COMPLETE THE DETENTION BASIN PER THE PLANS AND SPECIFICATIONS.
4. INSPECT THE BASIN ON A WEEKLY BASIS. REPORT THE CONDITION OF THE BASIN.
5. REMOVE THE SEDIMENT AS REQUIRED TO AN APPROVED DEPOSIT SITE
6. INSPECT THE BASIN AFTER EACH RAINFALL EVENT. REMOVE ANY DEBRIS THAT MAY BE DEPOSITED IN THE BASIN.
7. REPORT AS NECESSARY AND AS SCHEDULED ELSEWHERE THE CONDITION OF THE BASIN TO THE TOWN STAFF.



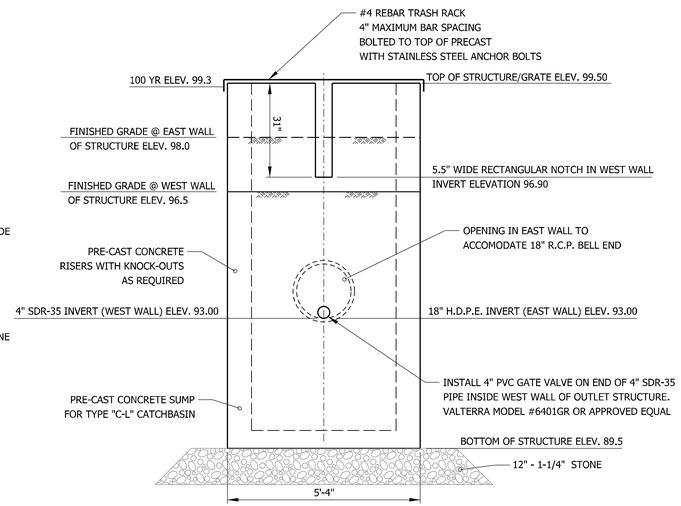
EMERGENCY SPILLWAY

NOT TO SCALE



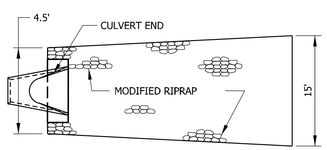
RIPRAP FILTER BERM

NOT TO SCALE

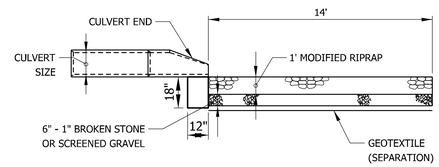


OUTLET CONTROL STRUCTURE DETAIL

NOT TO SCALE



PLAN

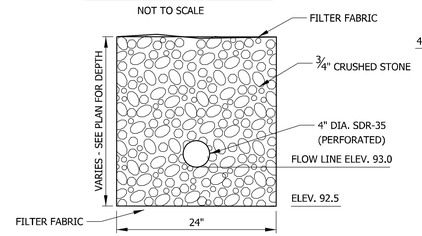


ELEVATION

NOTE:
REFER TO TOWN OF GLASTONBURY STANDARD DETAIL PLATE NO. 24 CONCRETE FOOTING FOR FLARED END SECTION.

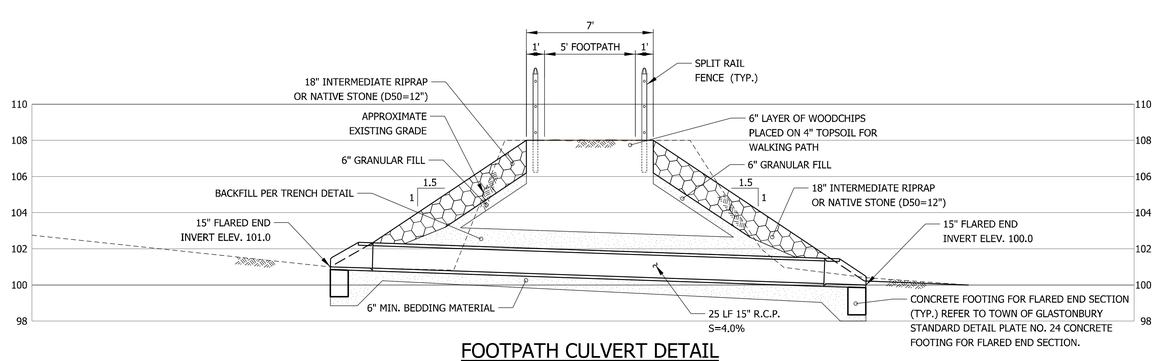
MODIFIED RIPRAP APRON

NOT TO SCALE



STONE INFILTRATION TRENCH

NOT TO SCALE



FOOTPATH CULVERT DETAIL

SCALE: 1"=4'-0"

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

DETAILS

OWNER/APPLICANT:
CARRIER CONSTRUCTION INC.
P.O. BOX 1842
BRISTOL, CT 06010-1842

SITE LOCATION:
1040 MAIN STREET
ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
GLASTONBURY, CT

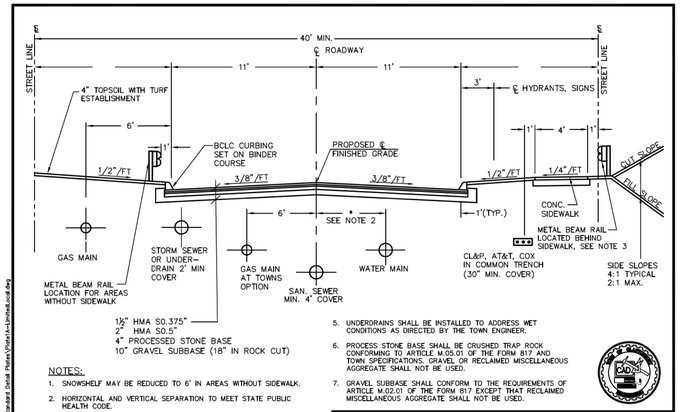
WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER.
5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

STATE OF CONNECTICUT · RONALD P. WOLFF · No. 19998 · LICENSED PROFESSIONAL ENGINEER

DATE: 4/15/2021	
DRAWN BY: R.P.W.	
CHECKED BY: R.P.W.	
FILE:	
FIELD BOOK: R.P.W.	
SCALE: AS NOTED	
SHEET: 13 OF 20	
PLOT DATE: 7/28/2021	

D:\Ronald Wolff Design\Glastonbury\Main St\#1040\Ustn\11-16_1040Details.dgn



NOTES:

1. SNOWSHELF MAY BE REDUCED TO 6' IN AREAS WITHOUT SIDEWALK.
2. HORIZONTAL AND VERTICAL SEPARATION TO MEET STATE PUBLIC HEALTH CODE.
3. PROVIDE EASEMENT FOR METAL BEAM RAIL AS REQUIRED FOR 6" MIN. SEPARATION FROM BACK OF SIDEWALK. GUIDERAIL TO BE INSTALLED WITHIN 60 DAYS OF BINDER COURSE PAVING.
4. PAVEMENT WEARING SURFACE SHALL NOT BE INSTALLED UNTIL BINDER COURSE HAS BEEN IN PLACE FOR 4 MONTHS OR ONE FULL WINTER SEASON UNLESS OTHERWISE APPROVED BY THE ENGINEER.
5. UNDERDRAINS SHALL BE INSTALLED TO ADDRESS WET CONDITIONS AS DIRECTED BY THE TOWN ENGINEER.
6. PROCESS STONE BASE SHALL BE CRUSHED TRAP ROCK CONFORMING TO ARTICLE M.05.01 OF THE FORM 817 AND TOWN SPECIFICATIONS. GRAVEL OR RECLAIMED MISCELLANEOUS AGGREGATE SHALL NOT BE USED.
7. GRAVEL SUBBASE SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE M.02.01 OF THE FORM 817 EXCEPT THAT RECLAIMED MISCELLANEOUS AGGREGATE SHALL NOT BE USED.

SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	LIMITED LOCAL STREET TYPICAL SECTION (0-200 ADT)
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 3/28/2017	PLATE NO. 1A

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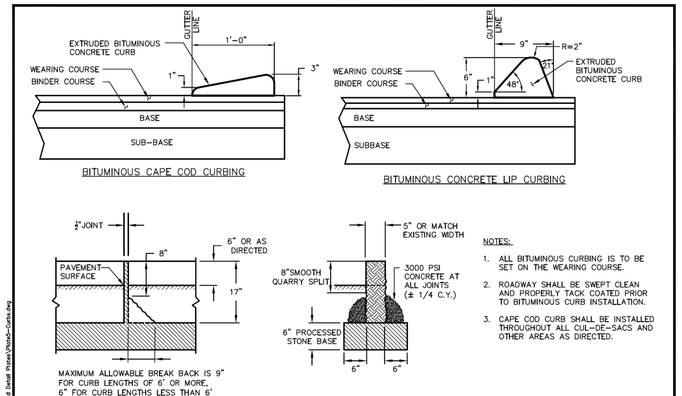

NOTES:

1. ALL BITUMINOUS CURBING IS TO BE SET ON THE WEARING COURSE.
2. ROADWAY SHALL BE SWEPT CLEAN AND PROPERLY TACK COATED PRIOR TO BITUMINOUS CURB INSTALLATION.
3. CAPE COD CURB SHALL BE INSTALLED THROUGHOUT ALL CUL-DE-SACS AND OTHER AREAS AS DIRECTED.

SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	TYPICAL CURBING DETAILS
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 3/28/2017	PLATE NO. 5

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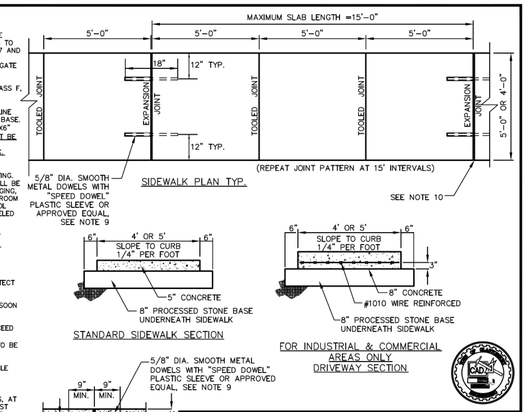
NOTES:

1. PROCESSED STONE BASE SHALL BE CRUSHED TRAP ROCK CONFORMING TO ARTICLE M.05.01 OF THE FORM 817 AND TOWN SPECIFICATIONS. GRAVEL OR RECLAIMED MISCELLANEOUS AGGREGATE SHALL NOT BE USED.
2. CONCRETE SHALL BE CONNDOT CLASS F, (4400 PSI, 28 DAY STRENGTH).
3. FORMS ARE TO BE SET TRUE TO LINE AND GRADE ON WELL COMPACTED BASE. FORMS SHALL BE 5" STEEL OR 2"X6" LUMBER. 2"X4" LUMBER SHALL NOT BE USED AND SHALL BE CAUSE FOR IMMEDIATE REJECTION OF SIDEWALK.
4. CONCRETE SHALL BE STRUCK OFF (SCREEDED) PRIOR TO BULL FLOATING. 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.
5. "REPEL 100" CURING COMPOUND / SEALER SHALL BE APPLIED TO ALL CONCRETE SIDEWALK PER TOWN SPECIFICATIONS.
6. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT SURFACE FROM DAMAGE.
7. WALKS SHALL BE BACKFILLED AS SOON AS FORMS ARE REMOVED.
8. 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.
9. INSERT 18" LONG SMOOTH METAL DOWELS AT ALL EXPANSION JOINTS, AT SIDEWALK RAMPS, AND AT THE LAST SLAB POURED AT THE END OF THE WORKING DAY. DOWELS SHALL ALSO BE INSTALLED BETWEEN NEW AND EXISTING CONCRETE SLABS.
10. EXPANSION JOINT SHALL BE 1/2" ASPHALT IMPREGNATED CELLULAR FIBER AND OF A DIMENSION EQUAL TO THE FULL SLAB DEPTH.



SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	CONCRETE SIDEWALKS
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 9/1/2016	PLATE NO. 6

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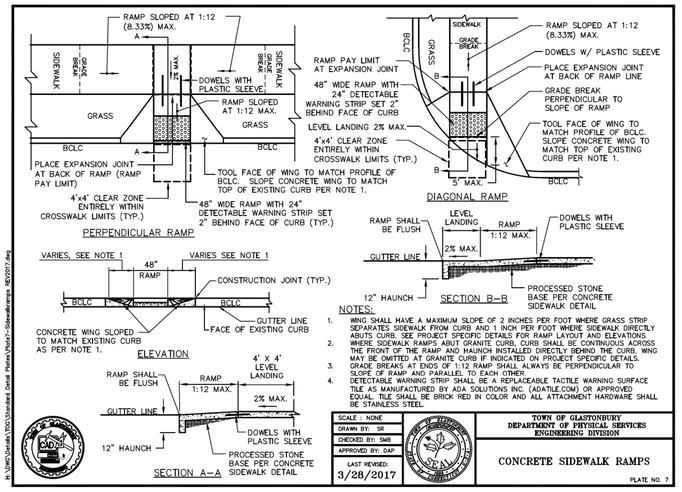

NOTES:

1. WING SHALL HAVE A MAXIMUM SLOPE OF 2 INCHES PER FOOT WHERE GRASS STRIP SEPARATES SIDEWALK FROM CURB AND 1 INCH PER FOOT WHERE SIDEWALK DIRECTLY ABUTS CURB. SEE PROJECT SPECIFIC DETAILS FOR RAMP LAYOUT AND ELEVATIONS.
2. WHERE SIDEWALK RAMPS ABUT GRANITE CURB, CURB SHALL BE CONTINUOUS ACROSS THE FRONT OF THE RAMP AND HAUNCH INSTALLED DIRECTLY BEHIND THE CURB. WING MAY BE OMITTED AT GRANITE CURB IF INDICATED ON PROJECT SPECIFIC DETAILS.
3. GRADE BREAKS AT ENDS OF 1:12 RAMP SHALL ALWAYS BE PERPENDICULAR TO SLOPE OF RAMP AND PARALLEL TO EACH OTHER.
4. DETECTABLE WARNING STRIP SHALL BE A REPLACEABLE TACTILE WARNING SURFACE TILE AS MANUFACTURED BY ADA SOLUTIONS INC. (ADATILE.COM) OR APPROVED EQUAL. TILE SHALL BE BRICK RED IN COLOR AND ALL ATTACHMENT HARDWARE SHALL BE STAINLESS STEEL.

SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	CONCRETE SIDEWALK RAMPS
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 3/28/2017	PLATE NO. 7

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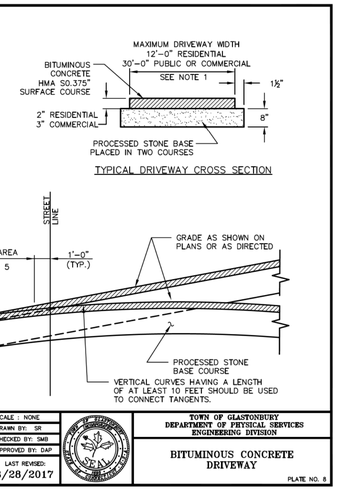
NOTES:

1. 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.
2. DRIVEWAYS SHALL NOT BE CONSTRUCTED WITHIN 20 FEET OF AN INTERSECTION OR 4 FEET OF A CROSS WALK.
3. NO TWO DRIVEWAYS SHALL BE CONSTRUCTED CLOSER THAN 8 FEET APART WHEN MEASURED AT THE GUTTER LINE OF THE STREET.
4. WHERE DRIVEWAYS CROSS EXISTING ROADSIDE DITCHES OR WATERCOURSES, CULVERTS SHALL BE INSTALLED PER SECTION 17-159 OF THE TOWN ORDINANCE.
5. IF CONCRETE SIDEWALKS ARE CALLED FOR THIS AREA SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SIDEWALK DETAIL.
6. A BITUMINOUS CONCRETE DRIVEWAY APRON SHALL BE INSTALLED UP TO THE STREET LINE FOR UNPAVED DRIVEWAYS. A 12" MINIMUM BITUMINOUS CONCRETE APRON SHALL BE INSTALLED WHEN DRIVEWAYS ARE INSTALLED USING CONCRETE OR PAVERS.



SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	BITUMINOUS CONCRETE DRIVEWAY
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 3/28/2017	PLATE NO. 8

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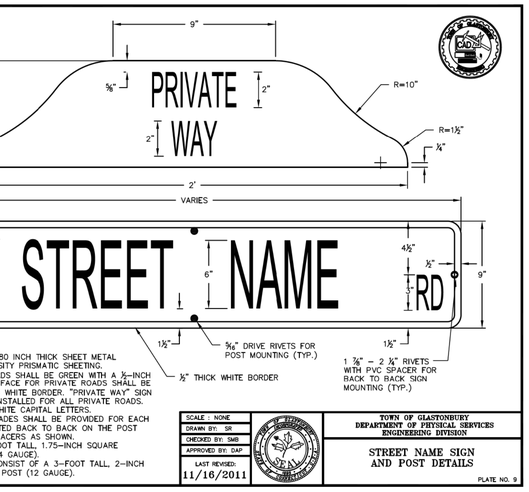

NOTES:

1. SIGN BLADES SHALL BE 0.080 INCH THICK SHEET METAL ALUMINUM WITH HIGH INTENSITY PRISMATIC SHEETING.
2. SIGN FACE FOR PUBLIC ROADS SHALL BE GREEN WITH A ½-INCH THICK WHITE BORDER. SIGN FACE FOR PRIVATE ROADS SHALL BE BLUE WITH A ½-INCH THICK WHITE BORDER. "PRIVATE WAY" SIGN CAP SHALL BE BLUE AND INSTALLED FOR ALL PRIVATE ROADS.
3. ALL LETTERING SHALL BE WHITE CAPITAL LETTERS.
4. TWO (2) IDENTICAL SIGN BLADES SHALL BE PROVIDED FOR EACH SIGN, AND SHALL BE MOUNTED BACK TO BACK ON THE POST USING RIVETS AND PVC SPACERS AS SHOWN.
5. SIGN POST SHALL BE 10-FOOT TALL, 1.75-INCH SQUARE GALVANIZED STEEL POST (14 GAUGE).
6. BREAKAWAY BASE SHALL CONSIST OF A 3-FOOT TALL, 2-INCH SQUARE GALVANIZED STEEL POST (12 GAUGE).

SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	STREET NAME SIGN AND POST DETAILS
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 11/16/2011	PLATE NO. 9

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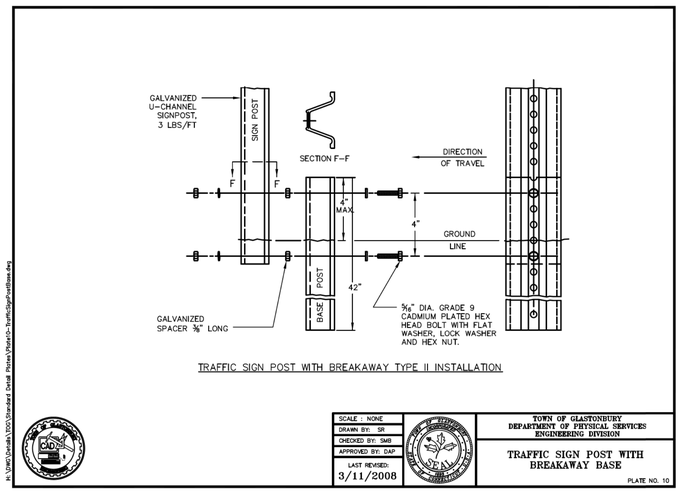
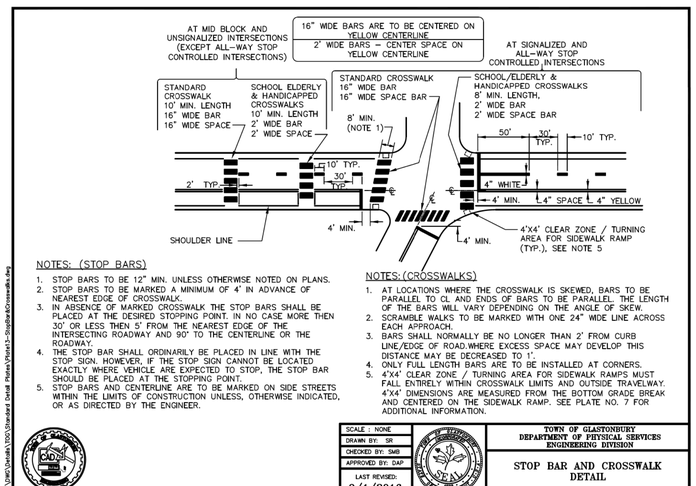


TRAFFIC SIGN POST WITH BREAKAWAY TYPE II INSTALLATION

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

H:\UWO\Details\TOG\Standard Detail Plates\Plate10-TrafficSignPostBase.dwg



NOTES: (STOP BARS)

1. STOP BARS TO BE 12" MIN. UNLESS OTHERWISE NOTED ON PLANS.
2. STOP BARS TO BE MARKED A MINIMUM OF 4' IN ADVANCE OF NEAREST EDGE OF CROSSWALK.
3. IN ABSENCE OF MARKED CROSSWALK THE STOP BARS SHALL BE PLACED AT THE DESIRED STOPPING POINT. IN NO CASE MORE THEN 30' OR LESS THEN 5' FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY AND 90' TO THE CENTERLINE OR THE ROADWAY.
4. THE STOP BAR SHALL ORDINARILY BE PLACED IN LINE WITH THE STOP SIGN. HOWEVER, IF THE STOP SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLE ARE EXPECTED TO STOP, THE STOP BAR SHOULD BE PLACED AT THE STOPPING POINT.
5. STOP BARS AND CENTERLINE ARE TO BE MARKED ON SIDE STREETS WITHIN THE LIMITS OF CONSTRUCTION UNLESS, OTHERWISE INDICATED, OR AS DIRECTED BY THE ENGINEER.

NOTES:(CROSSWALKS)

1. AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO CL AND ENDS OF BARS TO BE PARALLEL. THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.
2. SCRAMBLE WALKS TO BE MARKED WITH ONE 24" WIDE LINE ACROSS EACH APPROACH.
3. BARS SHALL NORMALLY BE NO LONGER THAN 2' FROM CURB LINE/EDGE OF ROAD.WHERE EXCESS SPACE MAY DEVELOP THIS DISTANCE MAY BE DECREASED TO 1'.
4. ONLY FULL LENGTH BARS ARE TO BE INSTALLED AT CORNERS.
5. 4'X4' CLEAR ZONE / TURNING AREA FOR SIDEWALK RAMPS MUST FALL ENTIRELY WITHIN CROSSWALK LIMITS AND OUTSIDE TRAVELWAY. 4'X4' DIMENSIONS ARE MEASURED FROM THE BOTTOM GRADE BREAK AND CENTERED ON THE SIDEWALK RAMP. SEE PLATE NO. 7 FOR ADDITIONAL INFORMATION.

SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	STOP BAR AND CROSSWALK DETAIL
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 9/1/2016	PLATE NO. 13

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PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

DETAILS

OWNER/APPLICANT:	SITE LOCATION:
CARRIER CONSTRUCTION INC.	1040 MAIN STREET
P.O. BOX 1842	ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
BRISTOL, CT 06010-1842	GLASTONBURY, CT

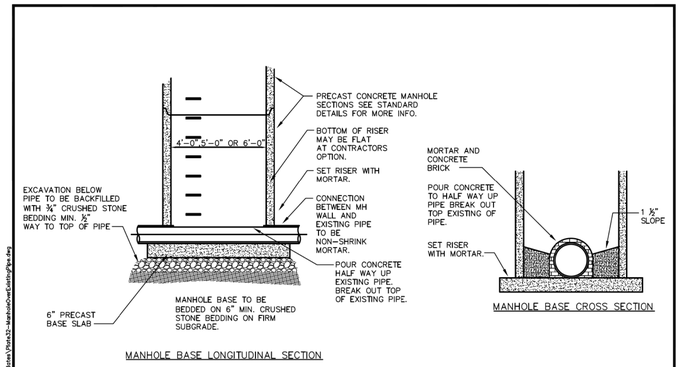
WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER.
5/27/2021 WWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

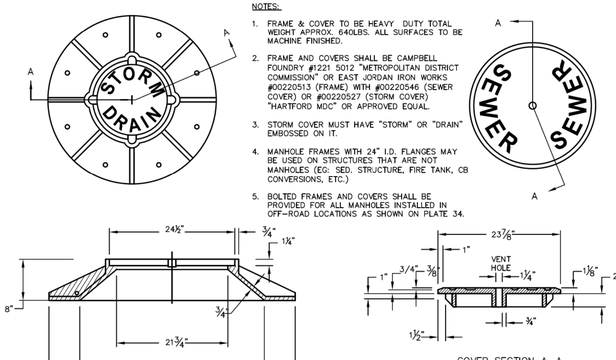
PLOT DATE: 7/28/2021

DATE: 4/15/2021	
DRAWN BY: R.P.W.	
CHECKED BY: R.P.W.	
FILE:	
FIELD BOOK: R.P.W.	
SCALE: AS NOTED	
SHEET: 14 OF 20	

D:\Ronald Wolff Design\Glastonbury\Main St\#1040\Ustn\11-16_1040Details.dgn



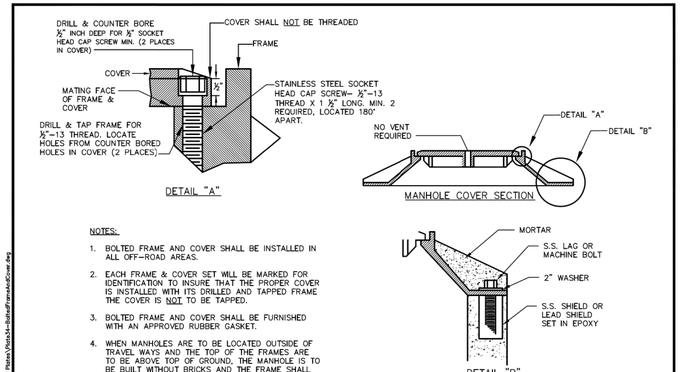
SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	
CHECKED BY: SMB	PRECAST MANHOLE OVER EXISTING PIPE
APPROVED BY: DAP	
LAST REVISED: 4/29/2008	PLATE NO. 32



NOTES:

1. FRAME & COVER TO BE HEAVY DUTY TOTAL WEIGHT APPROX. 640LBS. ALL SURFACES TO BE MACHINE FINISHED.
2. FRAME AND COVERS SHALL BE CAMPBELL FOUNDRY #1221 5012 "METROPOLITAN DISTRICT COMMISSION" OR EAST JORDAN IRON WORKS #00220513 (FRAME) WITH #00220546 (SEWER COVER) OR #00220527 (STORM COVER) "HARTFORD MDC" OR APPROVED EQUAL.
3. STORM COVER MUST HAVE "STORM" OR "DRAIN" EMBOSSED ON IT.
4. MANHOLE FRAMES WITH 24" I.D. FLANGES MAY BE USED ON STRUCTURES THAT ARE NOT MANHOLES (EG: SED. STRUCTURE, FIRE TANK, CB CONVERSIONS, ETC.)
5. BOLTED FRAMES AND COVERS SHALL BE PROVIDED FOR ALL MANHOLES INSTALLED IN OFF-ROAD LOCATIONS AS SHOWN ON PLATE 34.

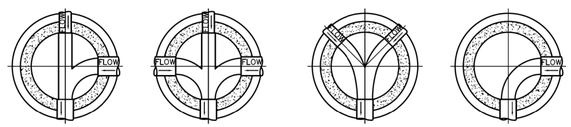
SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	
CHECKED BY: SMB	MANHOLE FRAME AND COVER
APPROVED BY: DAP	
LAST REVISED: 9/1/2016	PLATE NO. 33



NOTES:

1. BOLTED FRAME AND COVER SHALL BE INSTALLED IN ALL OFF-ROAD AREAS.
2. EACH FRAME & COVER SET WILL BE MARKED FOR IDENTIFICATION TO INSURE THAT THE PROPER COVER IS INSTALLED WITH ITS DRILLED AND TAPPED FRAME THE COVER IS NOT TO BE TAPPED.
3. BOLTED FRAME AND COVER SHALL BE FURNISHED WITH AN APPROVED RUBBER GASKET.
4. WHEN MANHOLES ARE TO BE LOCATED OUTSIDE OF TRAVEL WAYS AND THE TOP OF THE FRAMES ARE TO BE ABOVE TOP OF GROUND, THE MANHOLE IS TO BE BUILT WITHOUT BRICKS AND THE FRAME SHALL BE ANCHORED TO THE PRECAST MANHOLE CONE OR FLATTOP AS SHOWN.
5. THE SEAL BETWEEN THE BASE OF THE FRAME AND THE MANHOLE WALL SHALL BE MADE WITH MORTAR.
6. THE WORK BETWEEN THE MANHOLE FRAME AND THE PRECAST SECTION SHALL BE WATERPROOFED WITH PARGING AND TWO (2) COATS OF ACCEPTABLE ASPHALT BASED COATING.

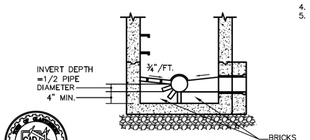
SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	
CHECKED BY: SMB	BOLTED MANHOLE FRAME AND COVER
APPROVED BY: DAP	
LAST REVISED: 9/1/2016	PLATE NO. 34



HORIZONTAL SECTIONS OF MANHOLE BASE

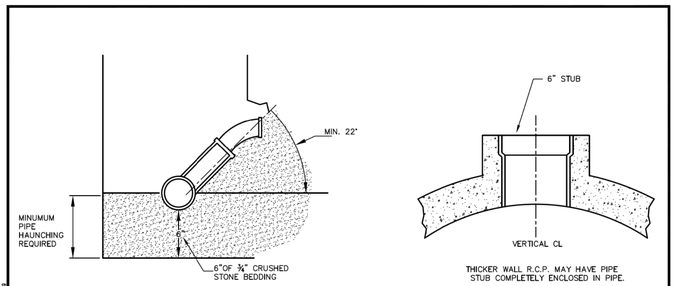
NOTES:

1. THE SURFACE OF THE WATER TABLE SHALL BE CONSTRUCTED OF APPROVED SEWER BRICKS LAID FLAT AND RUNNING PARALLEL TO THE CHANNEL – WITH A MINIMUM CROSS SLOPE OF ¾"/L.F.
2. THE BRICKS THAT FORM THE CHANNEL SHALL BE LAID WITH THE SIDE OF THE BRICKS EXPOSED IN THE CHANNEL.
3. THE TOP COURSE OF BRICKS FORMING THE CHANNEL SHALL BE LAID PERPENDICULAR TO THE CHANNEL.
4. THERE SHALL BE A SMOOTH TRANSITION FROM INLET TO OUTLET.
5. PRECAST INVERTS ARE NOT ACCEPTABLE.



VERTICAL – SECTION THRU MANHOLE

SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	
CHECKED BY: SMB	MANHOLE INVERTS (STORM AND SANITARY)
APPROVED BY: DAP	
LAST REVISED: 9/1/2016	PLATE NO. 35

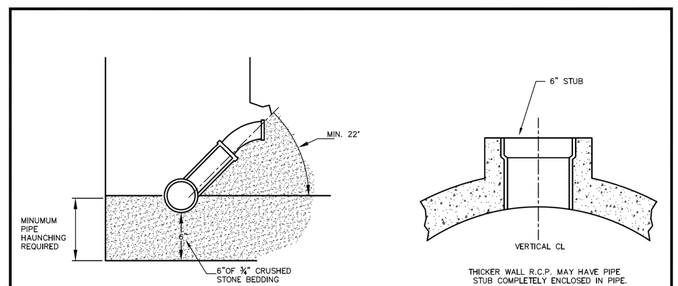


EXCAVATE BY HAND INTO EDGE OF TRENCH & INSTALL WYE BRANCH & CAPPED 6" BEND BOTH BEDDED & HAUNCHED WITH ¾" CRUSHED STONE TAMPED IN PLACE UNDER AND AROUND THE WYE & BEND.

TYPICAL CAPPED BRANCH FOR SEWER MAIN 12" OR LARGER

TYPICAL R.C.P. INLET

SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	
CHECKED BY: SMB	INLET DETAILS FOR SANITARY SEWER
APPROVED BY: DAP	
LAST REVISED: 4/29/2008	PLATE NO. 37

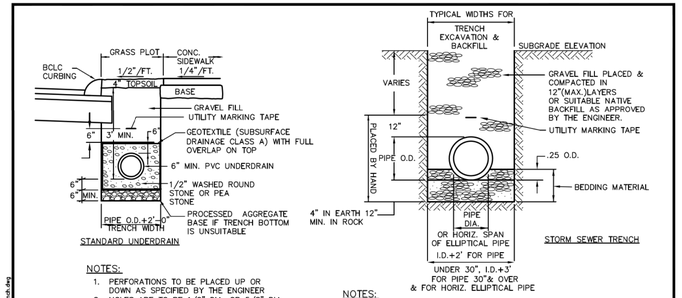


EXCAVATE BY HAND INTO EDGE OF TRENCH & INSTALL WYE BRANCH & CAPPED 6" BEND BOTH BEDDED & HAUNCHED WITH ¾" CRUSHED STONE TAMPED IN PLACE UNDER AND AROUND THE WYE & BEND.

TYPICAL CAPPED BRANCH FOR SEWER MAIN 12" OR LARGER

TYPICAL R.C.P. INLET

SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	
CHECKED BY: SMB	INLET DETAILS FOR SANITARY SEWER
APPROVED BY: DAP	
LAST REVISED: 4/29/2008	PLATE NO. 37



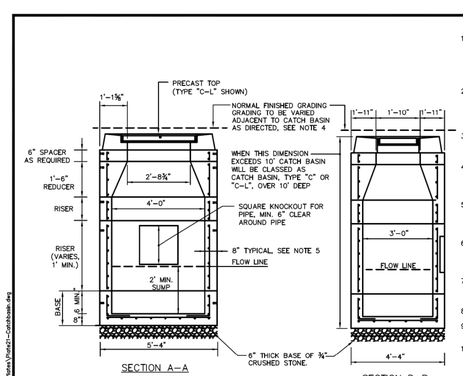
NOTES:

1. PERFORATIONS TO BE PLACED UP OR DOWN AS SPECIFIED BY THE ENGINEER
2. HOLES ARE TO BE 1/2" DIA. OR 5/8" DIA.
3. PIPE SHALL BE MIN. 6" DIA.
4. SLOTTED REINFORCED CONC. PIPE (SRCP) CAN BE USED AS A COMBINED STORM AND UNDERDRAIN SYSTEM.
5. ALL UNDERDRAIN TO BE OUTLETTED DIRECTLY INTO A CATCH BASIN.THE TOP OF THE UNDERDRAIN PIPE IS TO MATCH THE TOP OF THE OUTLET PIPE.
6. INCLUDE CLEANOUTS AT SPACING NOT TO EXCEED 150 FEET.

NOTES:

1. ALL STORM DRAIN INSTALLED WITHIN TOWN RIGHT-OF-WAY SHALL BE CONCRETE PIPE. ALL CONCRETE PIPE SHALL 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.

SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	
CHECKED BY: SMB	TRENCH FOR STORM DRAIN AND UNDER DRAIN
APPROVED BY: DAP	
LAST REVISED: 9/1/2016	PLATE NO. 20



NOTES

1. ALL CATCH BASINS SHALL CONFORM TO CONNDOT STANDARD DETAIL SHEETS HW-507_1 AND HW-507_04 EXCEPT AS OTHERWISE NOTED ON THIS DETAIL. DOUBLE GRATE CATCH BASINS SHALL CONFORM TO CONNDOT STANDARD SHEETS HW-507_05 AND HW-507_06.
2. PRECAST CATCH BASIN TOPS MUST BE PROPERLY ALIGNED AS SHOWN AND SHALL CONFORM TO CONNDOT STANDARD DETAIL SHEETS HW-507_07. CAPE COD CATCH BASIN TOPS SHALL HAVE AN OPEN THROAT.
3. ALL FRAMES AND GRATES SHALL BE GALVANIZED. FOR DETAILS OF FRAMES AND GRATES, SEE CONNDOT STANDARD DETAIL SHEET HW-507_08.
4. WHEN TYPE 'C' CATCH BASINS ARE CONSTRUCTED IN PAVEMENT, THE NORMAL GUTTER OF THE ROADWAY SHALL BE VARIED TO PROVIDE AN ADDITIONAL 2-INCH DEPRESSED GUTTER AT THE CATCH BASIN.
5. WALL THICKNESS TO BE 12 INCHES WHEN HEIGHT OF STRUCTURE EXCEEDS 10 FEET FROM TOP OF FRAME TO BOTTOM OF BASE. THICKER WALLS APPLY ONLY TO PORTION OF STRUCTURE BELOW 10' DEEP.
6. PRECAST RISER SECTIONS SHALL NEVER HAVE CORNER PIPE ENTRIES. WHEN PIPE ALIGNMENT CANNOT BE CHANGED, A ROUND STRUCTURE SHALL BE USED PER CONNDOT DETAIL HW-507_04.
7. CATCH BASINS LEFT ABOVE THE FINISHED GUTTER GRADE FOR THE WINTER MUST BE PROPERLY SHIMMED FOR PLOWING AS SHOWN IN PLATE 4.
8. MORTAR MIX SHALL NOT CONTAIN LIME.
9. ENDS OF PIPE SHALL BE SAWCUT FLUSH WITH INSIDE WALLS.
10. IF CONCRETE MASONRY UNITS ARE USED THE FOLLOWING ADDITIONAL REQUIREMENTS SHALL BE MET:
    - MAXIMUM CORBEL SHALL NOT EXCEED 2 INCHES;
    - WHERE NECESSARY, BLOCKS MAY BE CUT OR CONCRETE BRICK USED (NO RED BRICK PERMITTED);
    - CORNERS SHALL BE SQUARE. COURSES LEVEL, AND JOINTS PROPERLY STAGGERED;
    - VOIDS IN EXTERIOR WALLS SHALL BE GROUTED, AND CORBELS SHALL BE WEDGED.

SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	
CHECKED BY: SMB	CATCH BASIN
APPROVED BY: DAP	
LAST REVISED: 9/1/2016	PLATE NO. 21

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

DETAILS

OWNER/APPLICANT:
CARRIER CONSTRUCTION INC.
P.O. BOX 1842
BRISTOL, CT 06010-1842

SITE LOCATION:
1040 MAIN STREET
ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
GLASTONBURY, CT

WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER.
5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

STATE OF CONNECTICUT · RONALD P. WOLFF · No. 19998 · LICENSED PROFESSIONAL ENGINEER

DATE: 4/15/2021	
DRAWN BY: R.P.W.	
CHECKED BY: R.P.W.	
FILE:	
FIELD BOOK: R.P.W.	
SCALE: AS NOTED	
SHEET: 15 OF 20	

PLOT DATE: 7/28/2021

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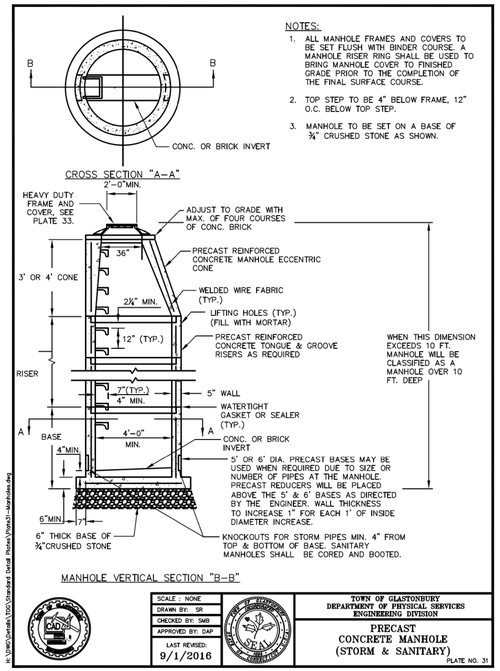
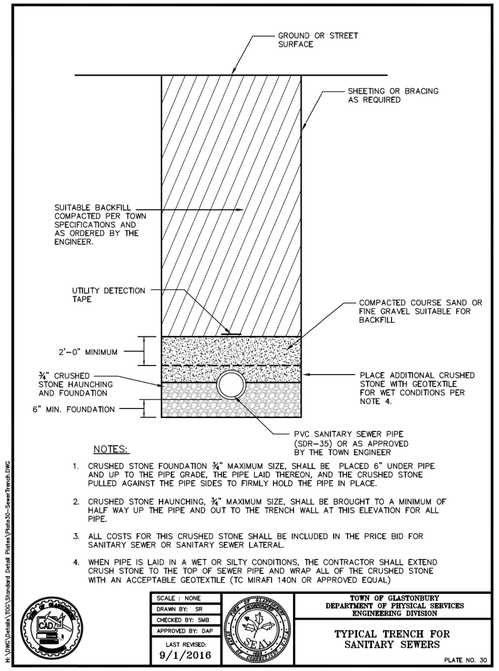


NOTES:

1. ALL MANHOLE FRAMES AND COVERS TO BE SET FLUSH WITH BINDER COURSE. A MANHOLE RISER RING SHALL BE USED TO BRING MANHOLE COVER TO FINISHED GRADE PRIOR TO THE COMPLETION OF THE FINAL SURFACE COURSE.
2. TOP STEP TO BE 4" BELOW FRAME, 12" O.C. BELOW TOP STEP.
3. MANHOLE TO BE SET ON A BASE OF ¾" CRUSHED STONE AS SHOWN.

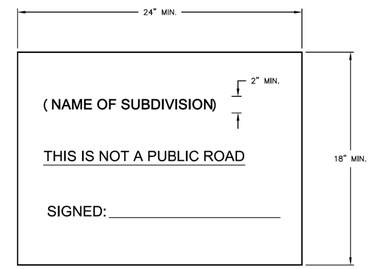
SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	PRECAST CONCRETE MANHOLE (STORM & SANITARY)
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 9/1/2016	PLATE NO. 31



NOTES:

1. CRUSHED STONE FOUNDATION ¾" MAXIMUM SIZE, SHALL BE PLACED 6" UNDER PIPE AND UP TO THE PIPE GRADE, THE PIPE LAID THEREON, AND THE CRUSHED STONE PULLED AGAINST THE PIPE SIDES TO FIRMLY HOLD THE PIPE IN PLACE.
2. CRUSHED STONE HAUNCHING, ¾" MAXIMUM SIZE, SHALL BE BROUGHT TO A MINIMUM OF HALF WAY UP THE PIPE AND OUT TO THE TRENCH WALL AT THIS ELEVATION FOR ALL PIPE.
3. ALL COSTS FOR THIS CRUSHED STONE SHALL BE INCLUDED IN THE PRICE BID FOR SANITARY SEWER OR SANITARY SEWER LATERAL.
4. WHEN PIPE IS LAID IN A WET OR SILTY CONDITIONS, THE CONTRACTOR SHALL EXTEND CRUSH STONE TO THE TOP OF SEWER PIPE AND WRAP ALL OF THE CRUSHED STONE WITH AN ACCEPTABLE GEOTEXTILE (TC MIRAFI 140N OR APPROVED EQUAL).

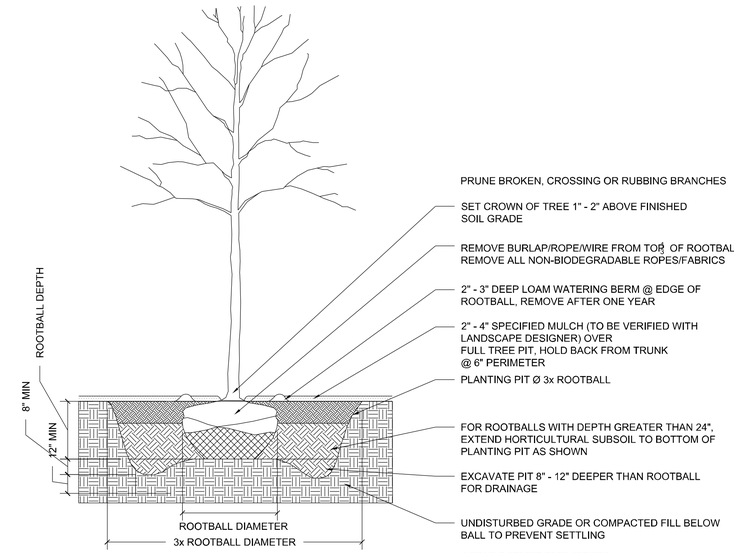
SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	TYPICAL TRENCH FOR SANITARY SEWERS
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 9/1/2016	PLATE NO. 30



NOTES:

1. ALL ROADS BEING CONSTRUCTED AS PART OF APPROVED SUBDIVISIONS AND ARE NOT ACCEPTED TOWN ROADS MUST BE SIGNED IN ACCORDANCE WITH SECTION 10.11 OF THE SUBDIVISION AND RESUBDIVISION REGULATIONS.
2. THE SIGN SHALL BE CONSTRUCTED OF WOOD, PLASTIC, OR OTHER DURABLE MATERIAL.
3. CUSTOM SIGNS INCLUDING ANY ADDITIONAL GRAPHICS OR REVISION TO THE ABOVE SIGN LEGEND MUST BE APPROVED BY THE TOWN.

SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	TEMPORARY SUBDIVISION ROAD SIGN
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 9/1/2016	PLATE NO. 12



STREET TREE PLANTING DETAIL

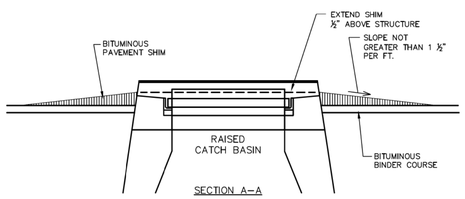
NOT TO SCALE

SUITABLE STREET TREE SPECIES:
SUGAR MAPLE
PIN OAK
BLACK OAK
SCARLET OAK
NORTHERN RED OAK

FINAL LOCATIONS AND TYPES OF STREET TREES SHALL BE SHOWN ON THE PLOT PLAN FOR BUILDING PERMIT AND APPROVED BY THE ENVIRONMENTAL PLANNER PRIOR TO ISSUANCE OF A BUILDING PERMIT.

NOTES:

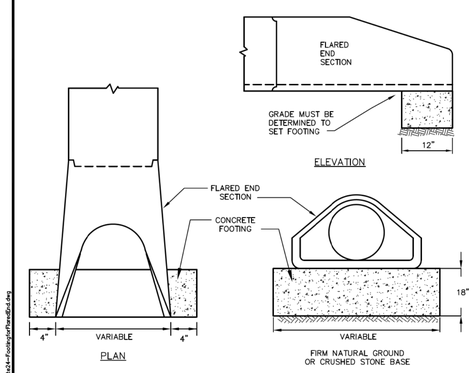
1. ALL MANHOLE FRAMES AND COVERS ARE TO BE SET FLUSH WITH BINDER COURSE. A MANHOLE RISER RING SHALL BE USED TO BRING MANHOLE COVER TO FINISHED GRADE PRIOR TO THE COMPLETION OF THE FINAL SURFACE COURSE.
2. OTHER STRUCTURES LEFT ABOVE FINISHED GRADE FOR THE WINTER MUST BE PROPERLY SHIMMED FOR PLOWING AS SHOWN IN THIS DETAIL.



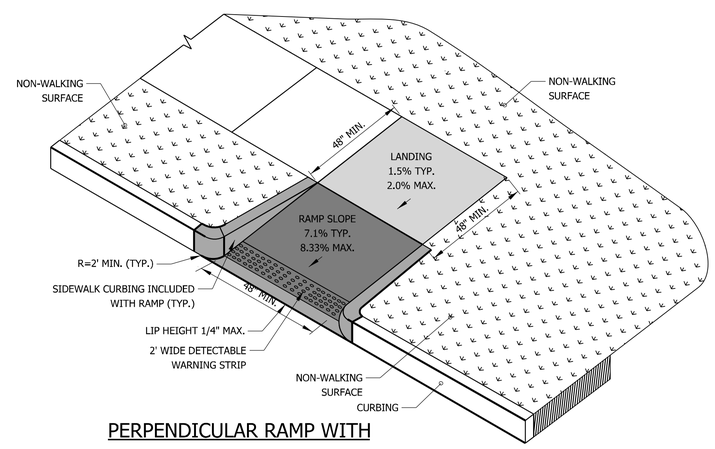
SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	TEMPORARY PAVEMENT SHIMS FOR RAISED STRUCTURES
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 9/2/2008	PLATE NO. 4

NOTES:

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



SCALE : NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	CONCRETE FOOTING FOR FLARED END SECTION
CHECKED BY: SMB	
APPROVED BY: DAP	
LAST REVISED: 4/29/2008	PLATE NO. 24



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 13)

NOT TO SCALE

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

DETAILS

OWNER/APPLICANT:	SITE LOCATION:
CARRIER CONSTRUCTION INC.	1040 MAIN STREET
P.O. BOX 1842	ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
BRISTOL, CT 06010-1842	GLASTONBURY, CT

WOLFF ENGINEERING
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CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER.
5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

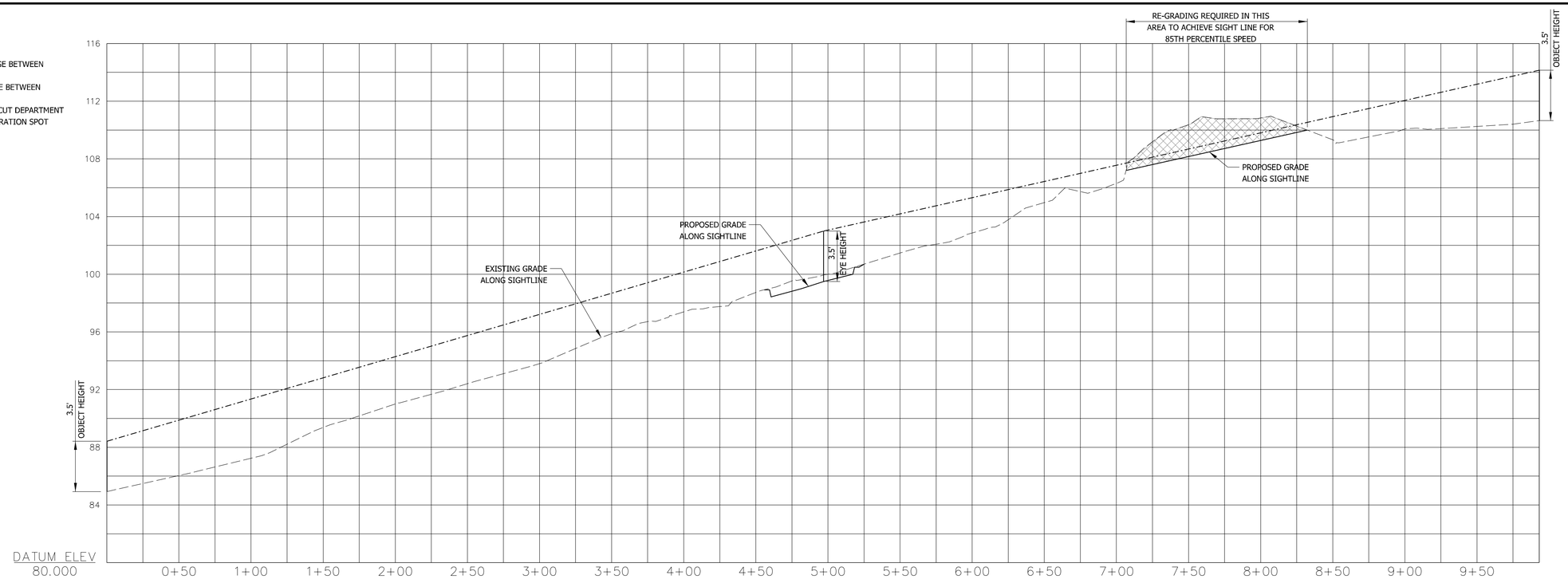
PLOT DATE: 7/28/2021

STATE OF CONNECTICUT · RONALD P. WOLFF · No. 19998 · LICENSED PROFESSIONAL ENGINEER

DATE: 4/15/2021	
DRAWN BY: R.P.W.	
CHECKED BY: R.P.W.	
FILE:	
FIELD BOOK: R.P.W.	
SCALE: AS NOTED	
SHEET: 16 OF 20	

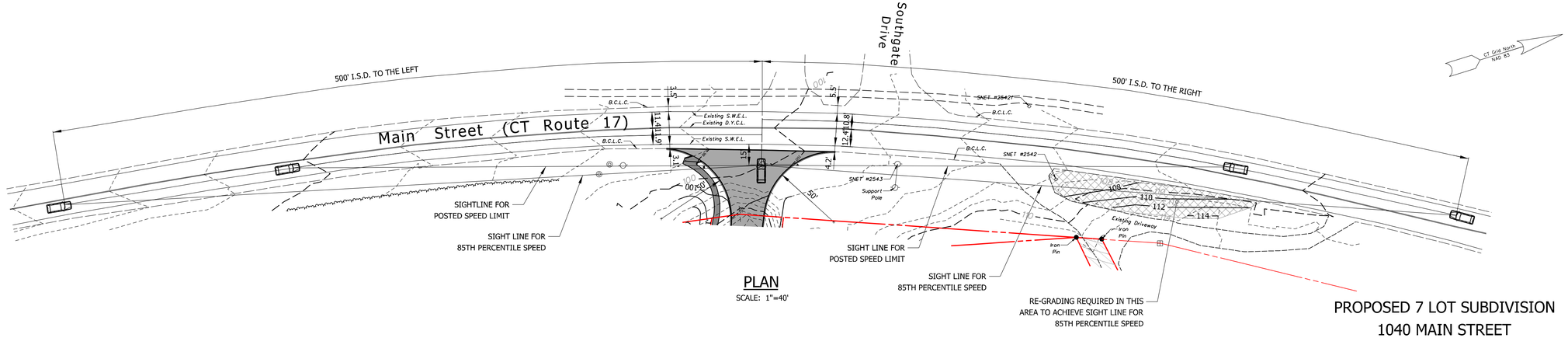
NOTES

1. POSTED SPEED LIMIT = 30 M.P.H.
2. 85TH PERCENTILE SPEED (NORTHBOUND) = 43.1 M.P.H. (AVERAGE BETWEEN M.P. 32.84 AND M.P. 33.67)
3. 85TH PERCENTILE SPEED (SOUTHBOUND) = 42.7 M.P.H.(AVERAGE BETWEEN M.P. 32.84 AND M.P. 33.67)
4. 85TH PERCENTILE SPEED DATA OBTAINED FROM THE CONNECTICUT DEPARTMENT OF TRANSPORTATION OFFICE OF THE STATE TRAFFIC ADMINISTRATION SPOT SPEED STUDIES REPORT.



SIGHT LINE PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



PLAN

SCALE: 1"=40'

PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT

SIGHT LINE DIAGRAM

0' 40' 80' 120'

SCALE: 1"=40'

GRAPHIC SCALE

OWNER/APPLICANT:	SITE LOCATION:
CARRIER CONSTRUCTION INC.	1040 MAIN STREET
P.O. BOX 1842	ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
BRISTOL, CT 06010-1842	GLASTONBURY, CT

WOLFF ENGINEERING
CIVIL & STRUCTURAL ENGINEERING
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD, WOODBURY, CT 06798
TEL.: 203.263.7447 FAX: 203.263.0060

REVISIONS:
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5/27/2021 IWWA/CC SUBMISSION.
7/27/2021 ENGINEERING COMMENTS.

PLOT DATE: 7/28/2021

STATE OF CONNECTICUT RONALD P. WOLFF No. 19998 LICENSED PROFESSIONAL ENGINEER

DATE: 4/15/2021	
DRAWN BY: R.P.W.	
CHECKED BY: R.P.W.	
FILE:	
FIELD BOOK: R.P.W.	
SCALE: AS NOTED	
SHEET: 17 OF 20	

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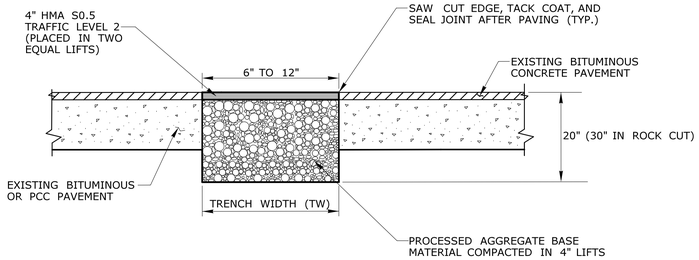
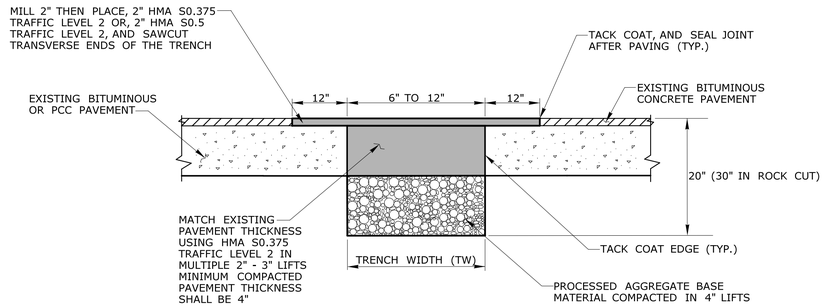
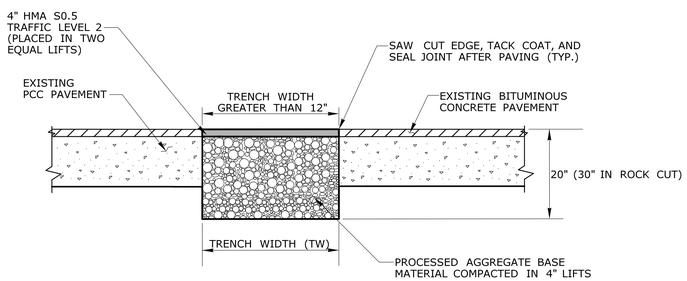


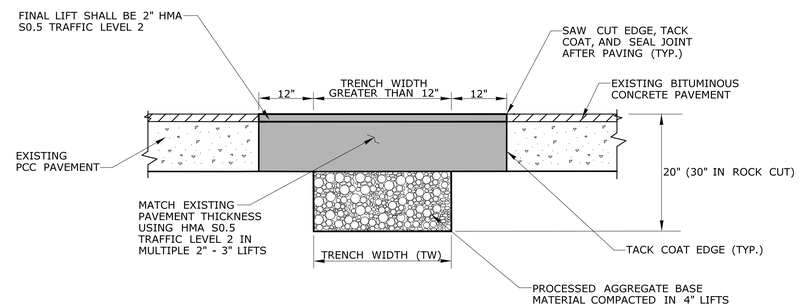
TEMPORARY PAVEMENT - FOR NARROW TRENCH THROUGH BITUMINOUS CONCRETE OR OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH BETWEEN 6" AND 12")



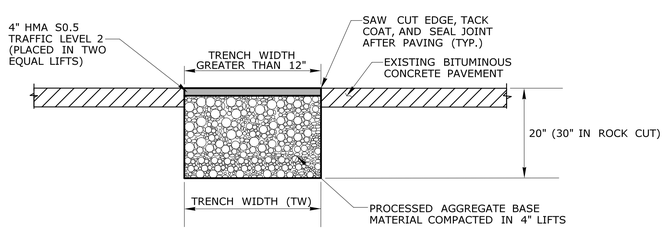
PERMANENT PAVEMENT - FOR NARROW TRENCH THROUGH BITUMINOUS CONCRETE OR OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH BETWEEN 6" AND 12")



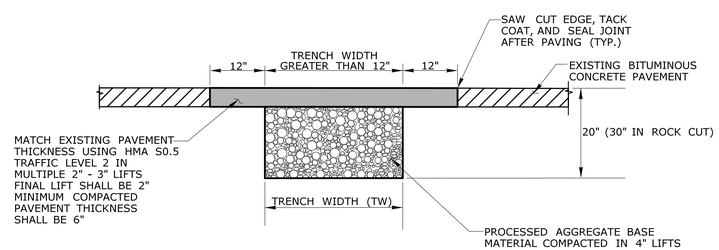
TEMPORARY PAVEMENT FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH GREATER THAN 12")



PERMANENT PAVEMENT FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH GREATER THAN 12")



TEMPORARY PAVEMENT FOR TRENCH THROUGH BITUMINOUS CONCRETE (TRENCH WIDTH GREATER THAN 12")



PERMANENT PAVEMENT FOR TRENCH THROUGH BITUMINOUS CONCRETE

GENERAL NOTES:

1. LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT:

   A. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE SLAB CENTERLINE AND THE EDGE OF SLAB, REMOVE CONCRETE AND BITUMINOUS CONCRETE PAVEMENT FROM THE TRENCH EDGE TO THE EDGE OF ROAD. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE LONGITUDINAL JOINT AND THE SLAB CENTERLINE, REMOVE THE ENTIRE CONCRETE SLAB AND BITUMINOUS CONCRETE PAVEMENT TO THE EDGE OF ROAD. IN EITHER CASE REBUILD WITH THE FOLLOWING:

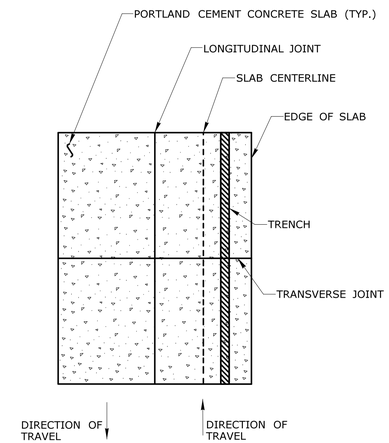
      a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
      b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"

2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:

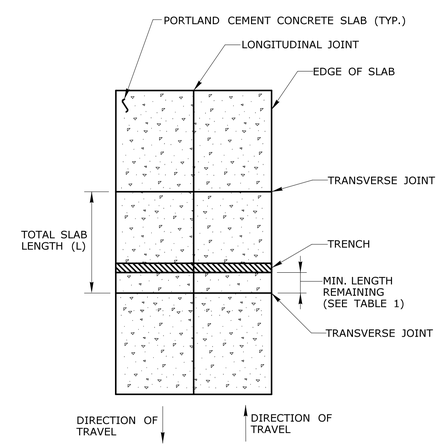
TABLE 1	
TOTAL SLAB LENGTH (L)	MIN. LENGTH REMAINING
40' OR LONGER	1/4 L
15' - 40'	10'
15' OR SHORTER	REBUILD TO NEAREST JOINT

   A. FOR TRANSVERSE TRENCHES, THE MINIMUM SLAB LENGTH AS SHOWN IN TABLE 1 SHALL BE LEFT IN PLACE TO THE NEAREST TRANSVERSE JOINT. IF THIS CRITERIA CANNOT BE MET, THE EXISTING SLAB AREA FROM THE TRENCH EDGE TO THE NEAREST TRANSVERSE JOINT SHALL BE REMOVED AND REBUILT AS FOLLOWS:

      a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
      b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"



LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT
(SEE NOTE 1)



TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT
(SEE NOTE 2)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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: 1/30/2019

DESIGNER/DRAFTER: -
CHECKED BY: -

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ..\CTDOT_HIGHWAY_GD_[1-28-19].dgn

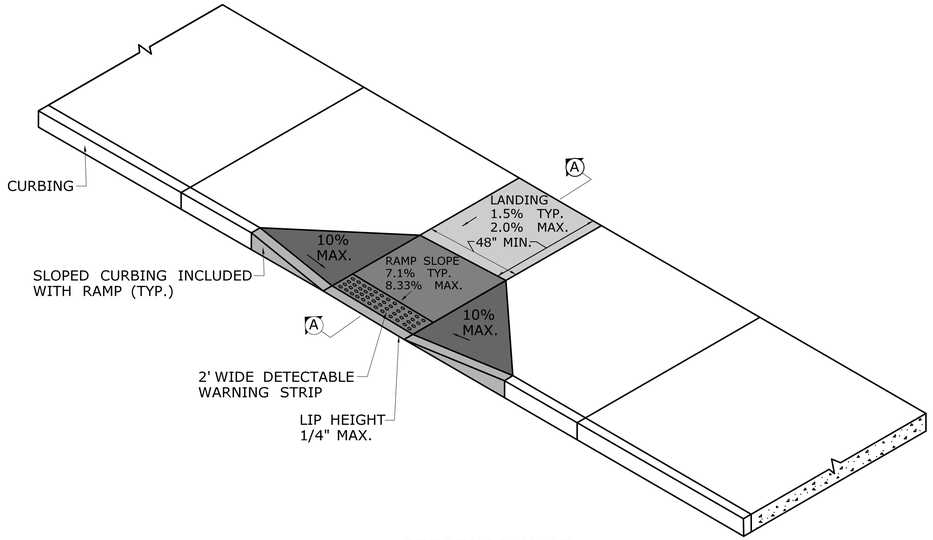
SIGNATURE/
BLOCK:
OFFICE OF ENGINEERING
APPROVED BY:

PROJECT TITLE: - - -

TOWN: - -

DRAWING TITLE: **PAVEMENT REPAIR**

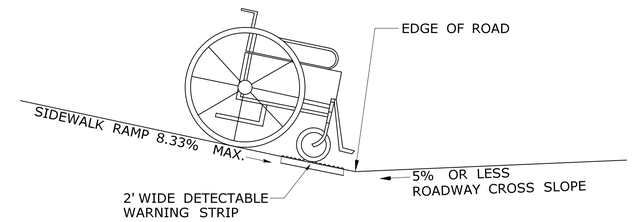
PROJECT NO. -
DRAWING NO.
SHEET NO.



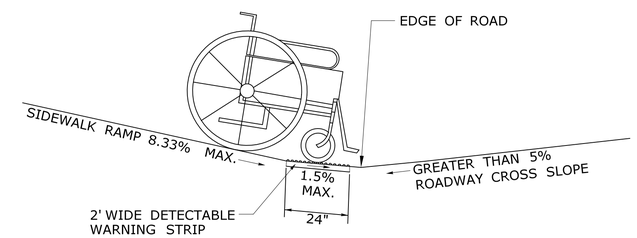
PERPENDICULAR SIDEWALK RAMP

GENERAL NOTES:

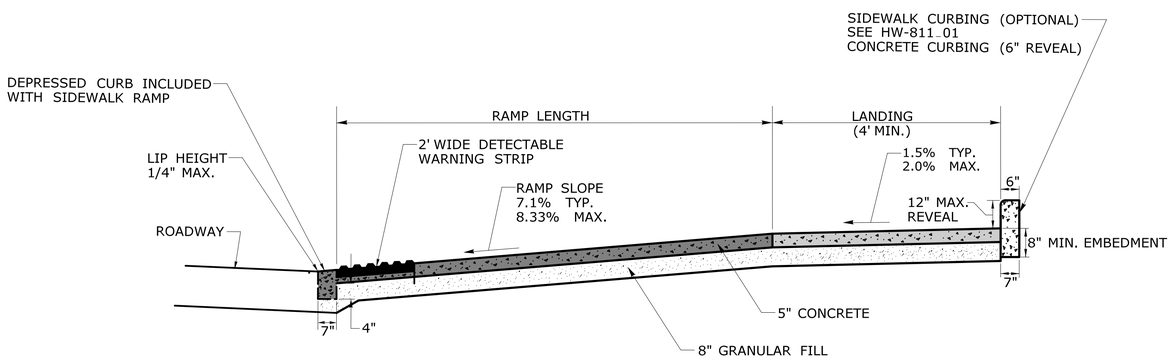
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRAVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.3 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.



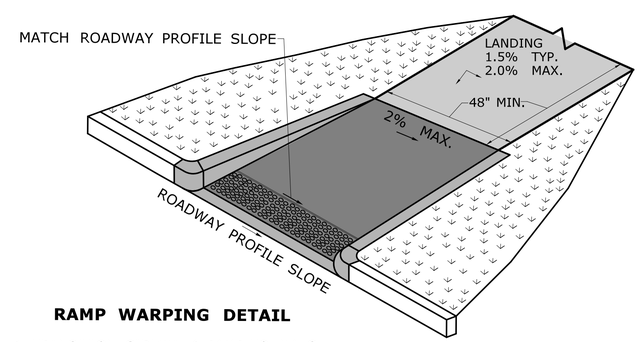
SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF 5% OR LESS



SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF GREATER THAN 5%



SECTION AA



RAMP WARPING DETAIL

1. TRANSITION SIDEWALK RAMP TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3 % PER FOOT CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
2. COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE.

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1.	6/19	REVISED MAX LANDING SLOPE TO 2% AND DRAWING TITLE	

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: 6/11/2019

DESIGNER/DRAFTER: -

CHECKED BY: -

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_HIGHWAY_GD [5-30-19].dgn

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE: - - -

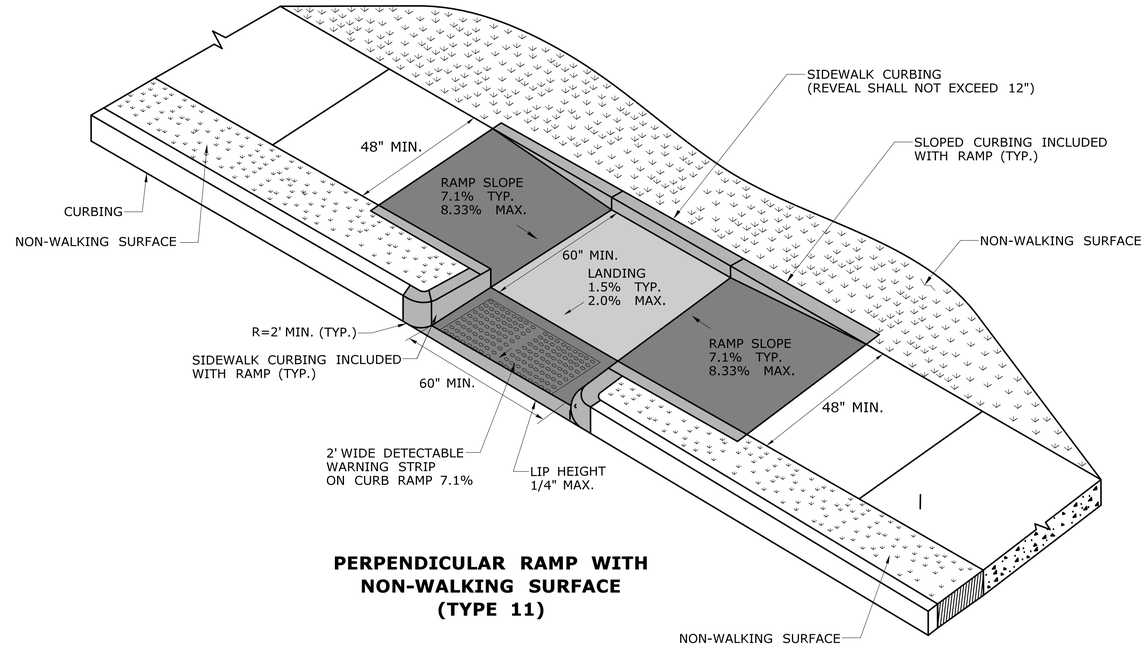
TOWN: - -

DRAWING TITLE: **CONCRETE SIDEWALK RAMPS SHEET 1**

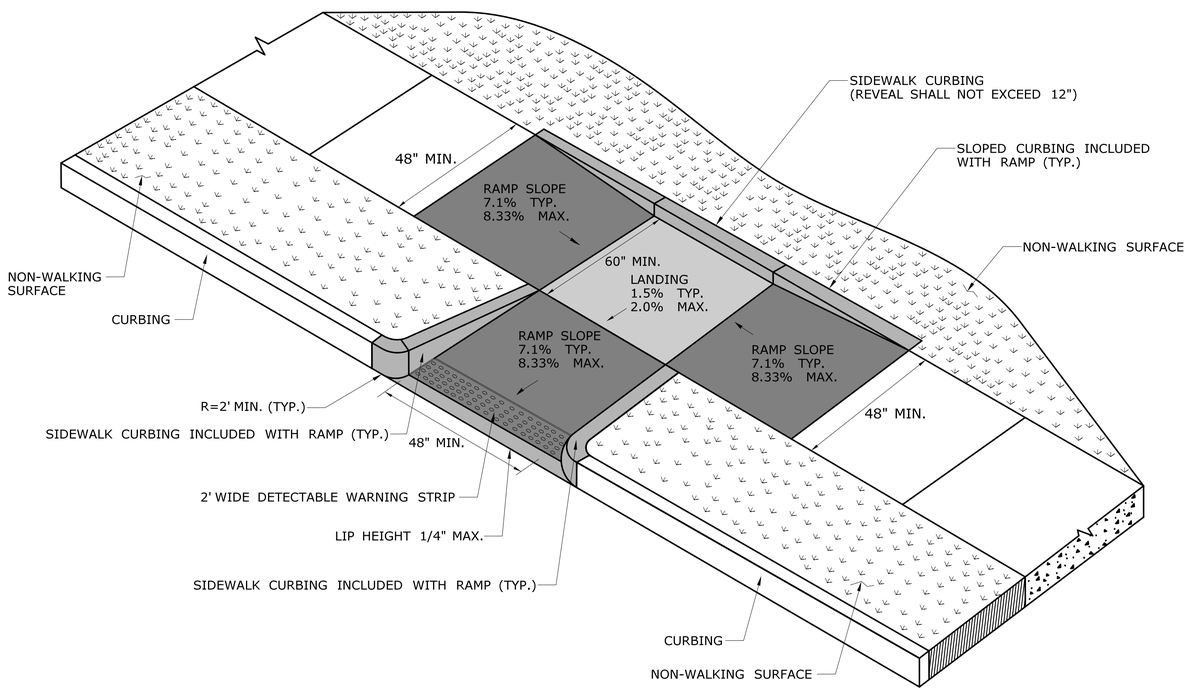
PROJECT NO. -

DRAWING NO.

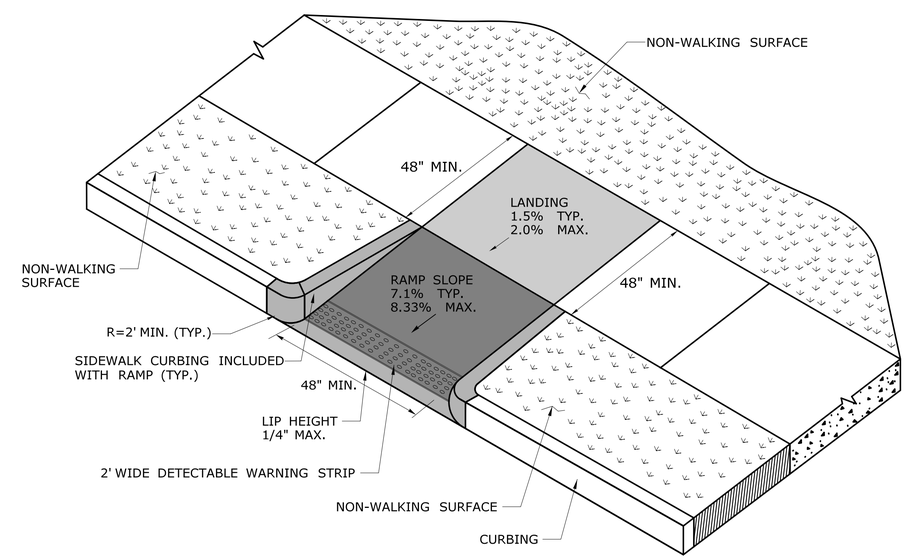
SHEET NO.



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 11)



PERPENDICULAR RAMP WITH SIDEWALK CURB AND NON-WALKING SURFACE (TYPE 12)



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 13)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 1/30/2019

DESIGNER/DRAFTER: -

CHECKED BY: -

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_HIGHWAY_GD_[1-28-19].dgn

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE: - - -

TOWN: - -

DRAWING TITLE: **CONCRETE SIDEWALK RAMPS SHEET 5**

PROJECT NO. -

DRAWING NO.

SHEET NO.