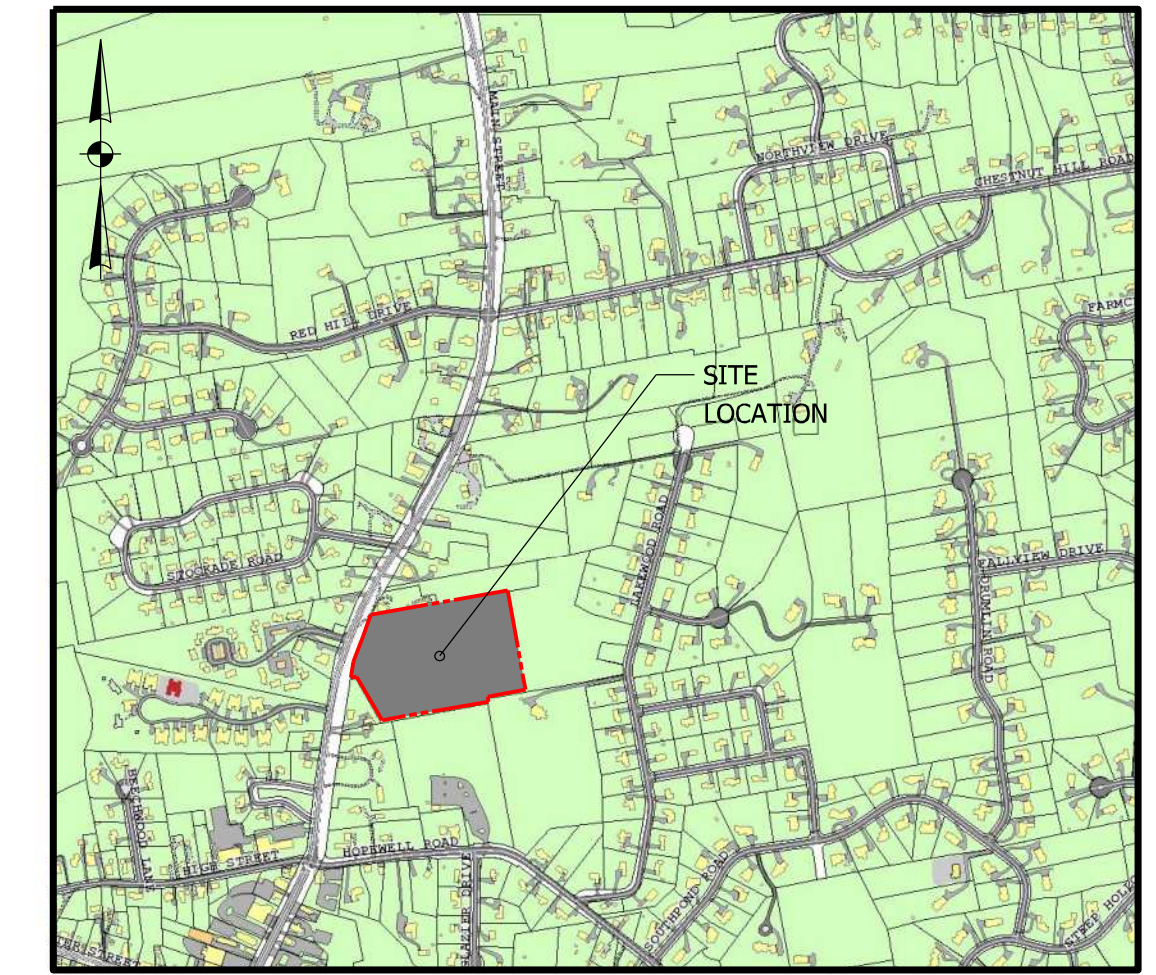


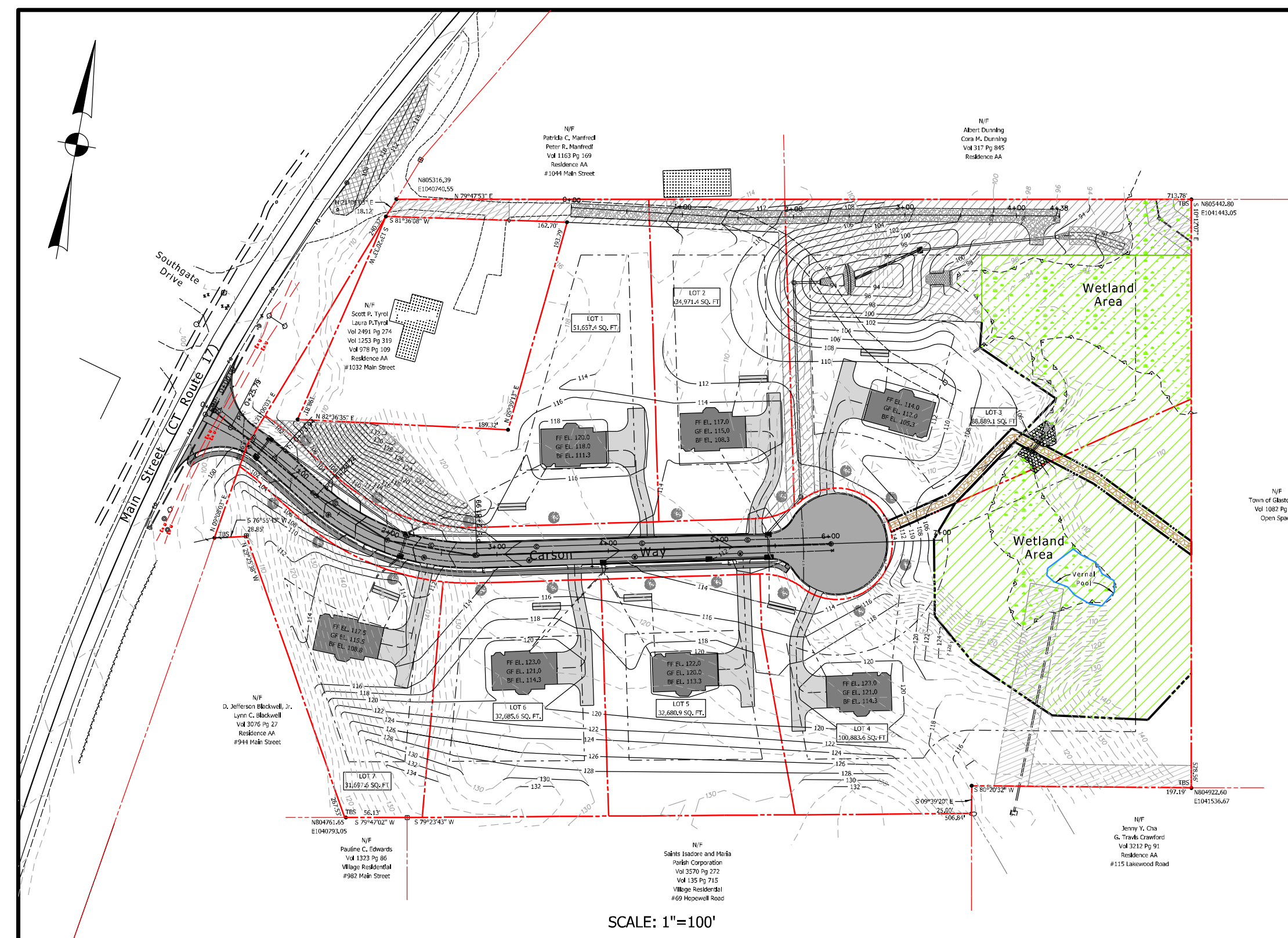
GENERAL NOTES

- TOTAL AREA OF THE PROPERTY IS 9.343± ACRES, 406,986.7± SQ. FT.
- ZONING OF THE PROPERTY IS RESIDENCE AA/GROUNDWATER PROTECTION ZONE 1.
- PROPERTY LINE INFORMATION OBTAINED FROM CLASS A-2 MAP PREPARED BY ROY V. CHENEY, L.S.
- TOPOGRAPHY SHOWN FROM ACTUAL FIELD SURVEY PERFORMED BY ROY CHENEY, L.S..
- ELEVATIONS REFER TO NAVD OF 1988 DATUM. CONTOUR INTERVAL IS TWO FEET.
- WETLAND AREAS ON THIS PROPERTY WERE DELINEATED BY ERIC DAVISON, PROFESSIONAL SOIL SCIENTIST.
- THE GLASTONBURY INLAND WETLANDS AGENCY EXERCISES REGULATORY CONTROL OVER ACTIVITIES IN OR WITHIN 100 FEET OF WETLANDS AREAS AND WATERCOURSES.
- 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.
- DRIVEWAY APRONS, DIMENSIONS AND PROFILES SHALL CONFORM TO THE TOWN OF GLASTONBURY STANDARDS.
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL COORDINATE ALL WORK AND ARRANGE TO SUPPORT AND RELOCATE EXISTING UTILITY POLES WITH THE APPROPRIATE UTILITY COMPANY AS REQUIRED.
- OWNER OF RECORD: CARRIER CONSTRUCTION INC. P.O. BOX 1842 BRISTOL, CT 06010-1842.
- ASSESSOR'S MAP E10 STREET 4140 LOT E0129B.

Proposed 7 Lot Subdivision 1040 Main Street Glastonbury, CT



LOCATION PLAN
SCALE: 1"=1000'



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

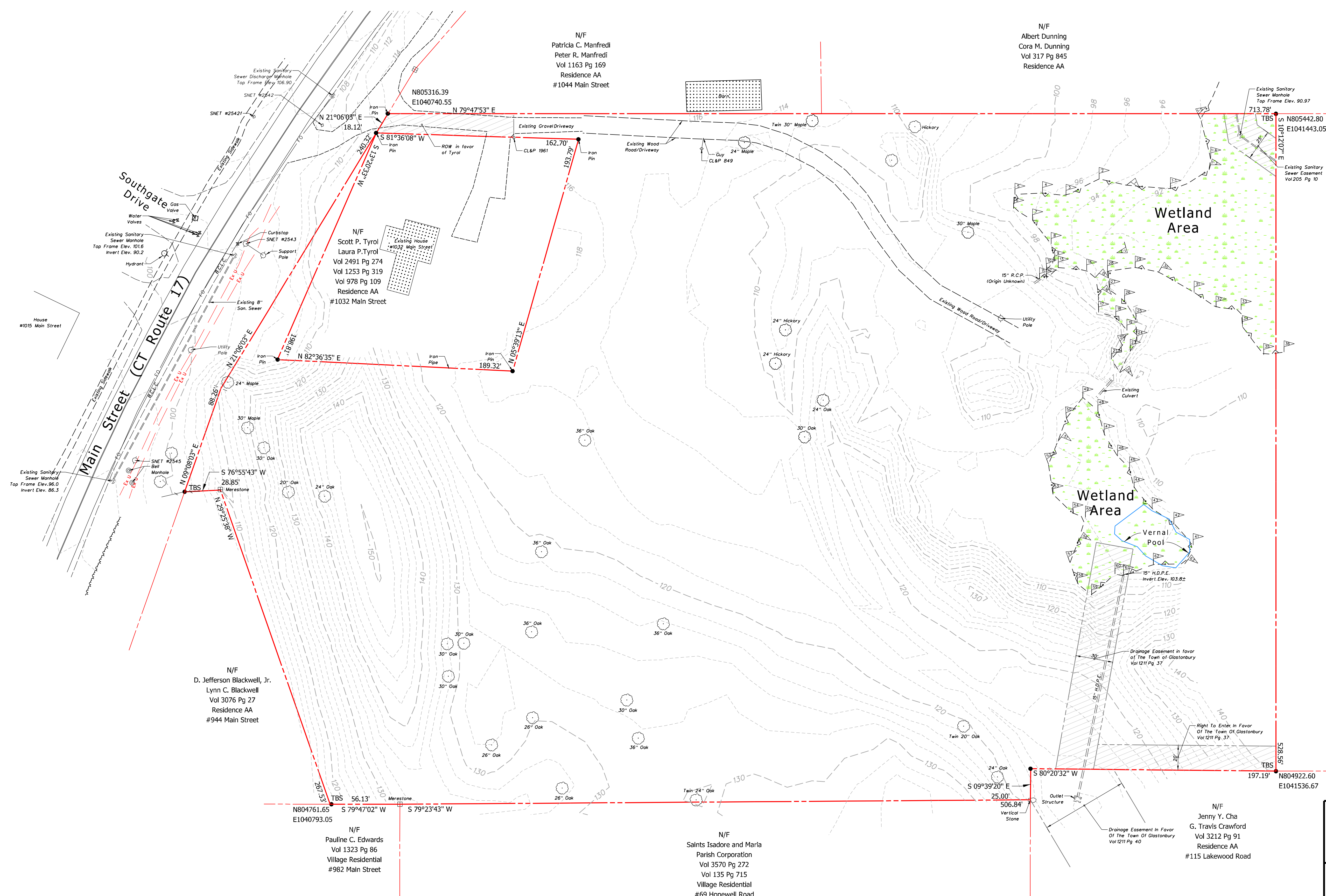
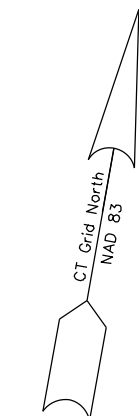
IWWA/CC Submission 5/27/2021



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

SHEET NUMBER	DRAWING TITLE
1	COVER SHEET
2	TOWN APPROVAL MOTIONS AND DEPARTMENT REVIEW MEMOS (NOT INCLUDED WITH THIS SUBMISSION)
3	EXISTING CONDITIONS PLAN
4	SUBDIVISION PLAN
5	SITE DEVELOPMENT PLAN, GRADING PLAN, DRAINAGE PLAN, UTILITY PLAN
6	ROADWAY PLAN AND PROFILE, INTERSECTION GRADING PLANS
7	GRADING PLAN, SEDIMENTATION EROSION CONTROL PLAN (ROAD CONSTRUCTION)
8-9	ROADWAY CROSS SECTIONS
10	SEDIMENTATION & EROSION CONTROL PLAN (ENTIRE SITE)
11	SEDIMENTATION & EROSION CONTROL NOTES & DETAILS, CONSTRUCTION NOTES AND SEQUENCE
12	SEDIMENTATION & EROSION CONTROL DETAILS
13-16	DETAILS
17	SIGHT LINE DIAGRAM





PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT
EXISTING CONDITIONS PLAN

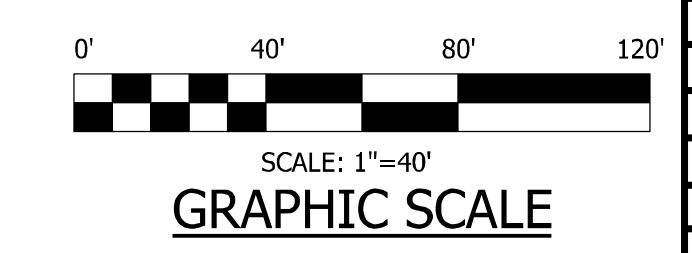
OWNER/APPLICANT:
 CARRIER CONSTRUCTION INC.
 P.O. BOX 1842
 BRISTOL, CT 06010-1842

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

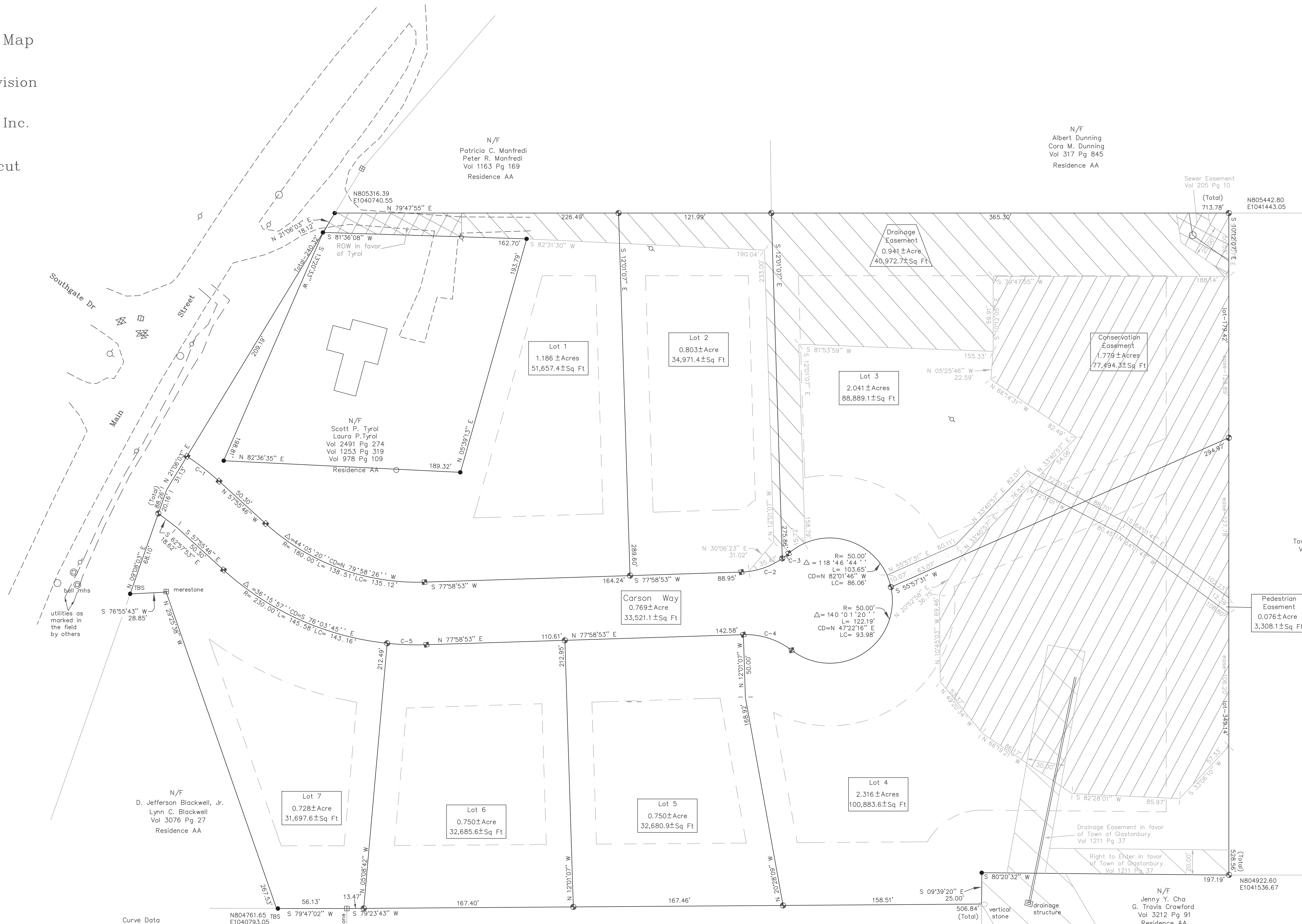
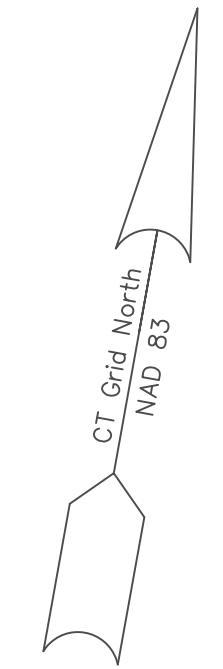
WOLFF ENGINEERING CIVIL & STRUCTURAL ENGINEERING CORNERSTONE PROFESSIONAL PARK, SUITE C101 39 SHERMAN HILL ROAD, WOODBURY, CT 06798 TEL.: 203.263.7447 FAX: 203.263.0060		
REVISIONS: 5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER 5/27/2021 HWATCC SUBMISSION	DATE: 4/15/2021 DRAWN BY: R.P.W. CHECKED BY: R.P.W. FILE: FIELD BOOK: R.P.W. SCALE: AS NOTED	
PLOT DATE: 5/27/2021		SHEET: 3 OF 17

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

PLAN
 SCALE: 1"=40'



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
- Intermittent Stream
- Deciduous Tree
- Conifer Tree

Curve Data

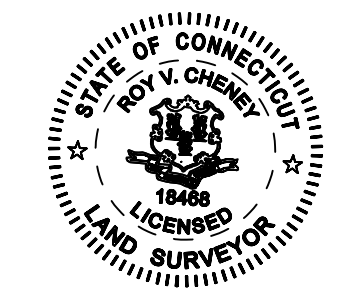
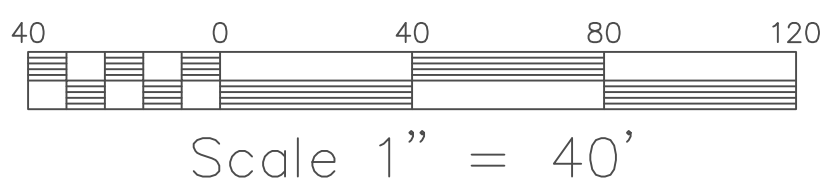
Curve	Radius (R)	Delta (Δ)	Length (L)	Chord (CD)	LC
C-1	210.00'	08° 51' 19"	32.46'	N 62° 21' 26" W	32.42'
C-2	60.00'	33° 20' 27"	34.91'	S 61° 18' 40" W	34.42'
C-3	60.00'	06° 03' 35"	6.35'	S 41° 36' 39" W	6.34'
C-4	60.00'	39° 24' 02"	41.26'	S 82° 19' 06" E	40.45'
C-5	230.00'	07° 49' 24"	31.40'	N 81° 53'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

Notes

- This map and survey have been prepared in accordance with section 20-300b through section 20-300e-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.
- Refer to maps by Megson & Hoagbe, Raino E. Hyppa & Assoc., Megson & Hyppa and the Connecticut Highway Dept.
- Parcel is located in Residence AA Zone.
- Wetlands Shown as designated in the field by Davison Environmental.
- Elevations taken in the field based on NAVD 88.
- 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



Town Plan & Zoning Commission Approval

Residence AA
 Zone

Subdivision Name
 Carrier Construction, Inc.
 Subdivider

Subdivision Approval Date
 Plan & Zoning Commission 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
TOTALS:	30	45,145	0	0	3,311

NOTE:
ALL SIGNS POSTED IN THE STATE RIGHT-OF-WAY MUST COMPLY WITH DOT STANDARDS FOR HEIGHT, BREAKAWAY COMPONENTS RETRO-REFLECTIVITY, ETC.

NOTE:
EXISTING VISIBLE DEBRIS SHALL BE REMOVED FROM THE WETLAND AREAS, AND EASTERLY PORTION OF THE PROPERTY, DURING THE ROADWAY CONSTRUCTION PHASE OF THE PROJECT.

STOP SIGN (DOT #31-0552-30")
12" WIDE STOP BAR (WHITE)

EXISTING UTILITY POLE TO BE RELOCATED BY DIRECTION OF UTILITY COMPANY

I HAVE REVIEWED THE BOUNDARIES AS SHOWN ON THIS PLAN AND AM OF THE OPINION THAT 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
- - - 5.4' 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
- - - PROPOSED CONTOUR LINE AND ELEVATION
- - - PROPOSED NATURAL GAS MAIN
- - - PROPOSED 8" WATER MAIN
- - - PROPOSED UNDERGROUND UTILITIES
- - - PROPOSED WATER LATERAL
- - - PROPOSED 6" SANITARY SEWER LATERAL
- - - SDR-35 DRAIN OUTLET PIPE
- - - LIMIT OF DISTURBANCE
- - - PROPOSED STREET TREE

WETLAND FLAG AND NUMBER
D:\Ronald Wolff Design\Glastonbury\Main St\1040\Ustn\5_1040SDP.dgn

- STORMWATER MANAGEMENT BASIN
TOP OF BERM ELEV. 100.5
BOTTOM OF BASIN ELEV. 94.0
- CLEANOUT TO GRADE
- RIPRAP FILTER BERM
TOP OF BERM ELEV. 96.0
REFER TO DETAIL.
- SEDIMENT FOREBAY
- MODIFIED RIPRAP APRON
REFER TO DETAIL.
- 18" FLARED END SECTION
INVERT ELEV. 94.0
- 17 LF 18" R.C.P. S=0.59%
- MANHOLE #2
W/BOLTED FRAME AND COVER
TOP FRAME ELEV. 99.6
INVERT ELEV. 94.1

- OUTLET CONTROL STRUCTURE
TOP OF GRATE ELEV. 99.50
5.5" WIDE RECTANGULAR NOTCH IN WEST WALL INVERT ELEVATION 96.90
4" SDR-35 (WEST) INVERT ELEV. 93.0
18" R.C.P. INVERT (EAST) ELEV. 93.0
REFER TO DETAIL.
- EMERGENCY SPILLWAY
REFER TO DETAIL.
- TOP OF BERM ELEV. 100.5
- N/F
Albert Dunning
Cora M. Dunning
Vol 317 Pg 845
Residence AA
- 120 LF 18" R.C.P. S=0.50%
- 18" FLARED END SECTION
INVERT ELEV. 92.4
- MODIFIED RIPRAP APRON
REFER TO DETAIL.

- EROSION CONTROL MATTING
12' WIDE x 50' LONG
NORTH AMERICAN GREEN C125
OR APPROVED EQUAL
- REMOVE EXISTING DRAINAGE PIPE
(ORIGIN UNKNOWN)
- 189 LF 18" R.C.P. S=0.52%
- PROPOSED CONSERVATION EASEMENT
(DENOTED WITH GREEN HATCH) 1.78± ACRES
- MODIFIED RIPRAP APRON REFER TO DETAIL.
- 15" FLARED END INVERT ELEV. 100.0
- 25 LF 15" H.D.P.E. S=4.0%. REFER TO FOOTPATH CULVERT DETAIL.
- 18" INTERMEDIATE RIPRAP OR NATIVE STONE (D50=12")
ON DISTURBED SLOPE ADJACENT TO CULVERT. REFER TO DETAIL.
- REMOVE EXISTING CULVERT
- 15" FLARED END INVERT ELEV. 101.0
- MANHOLE #1 W/BOLTED FRAME AND COVER
TOP FRAME ELEV. 112.6
INVERT ELEV. 95.1
- 5' WIDE WOODCHIP FOOTPATH
- N/F
Town of Glastonbury
Vol 1082 Pg 278
Open Space
- 10' WIDE PEDESTRIAN EASEMENT

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

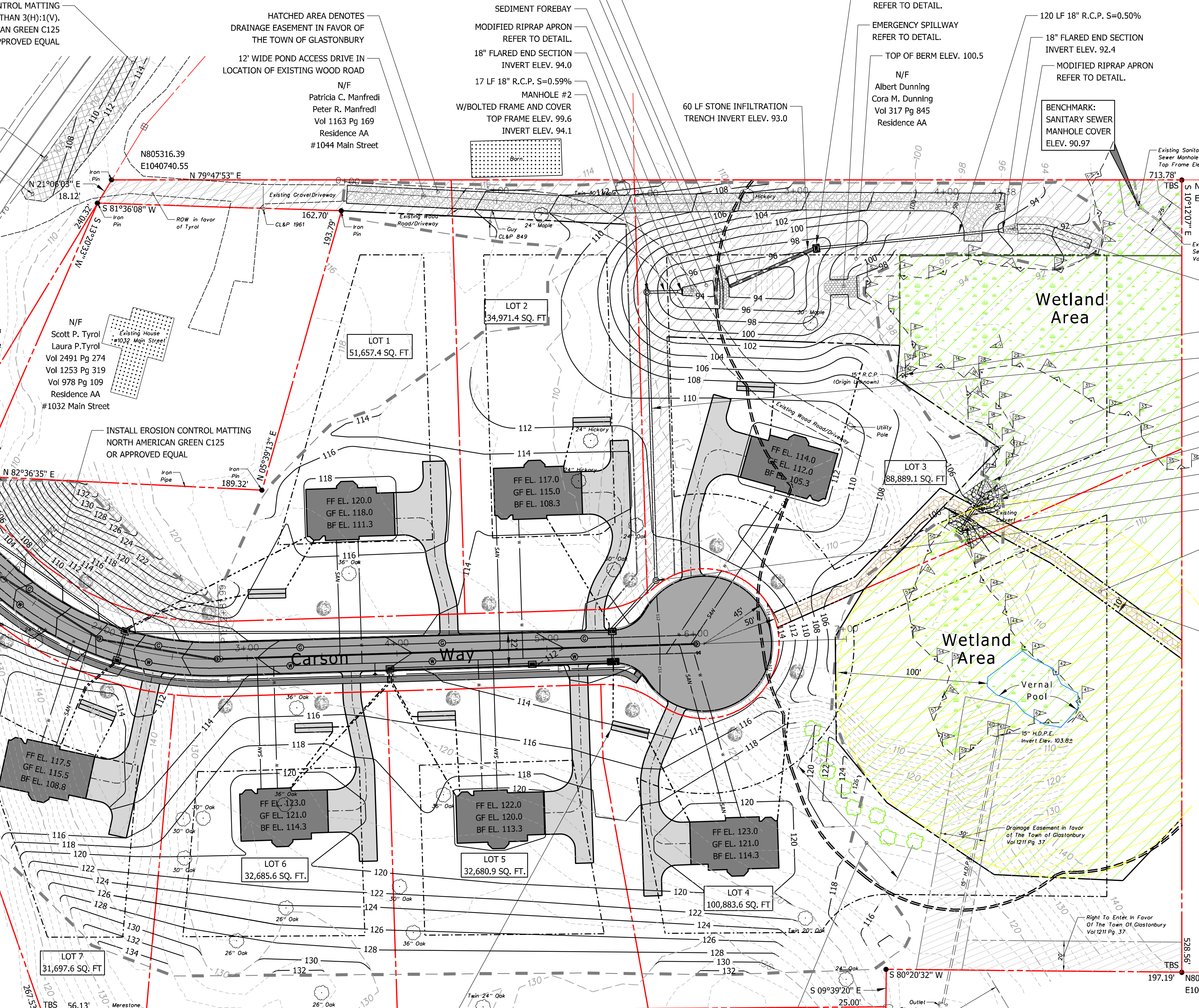
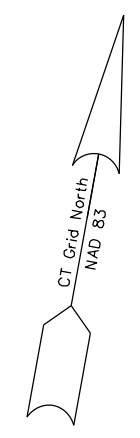
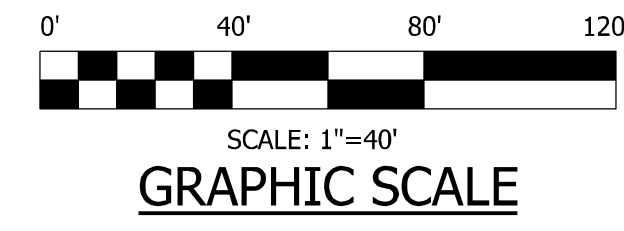
REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANER
5/27/2021 WAFCC SUBMISSION

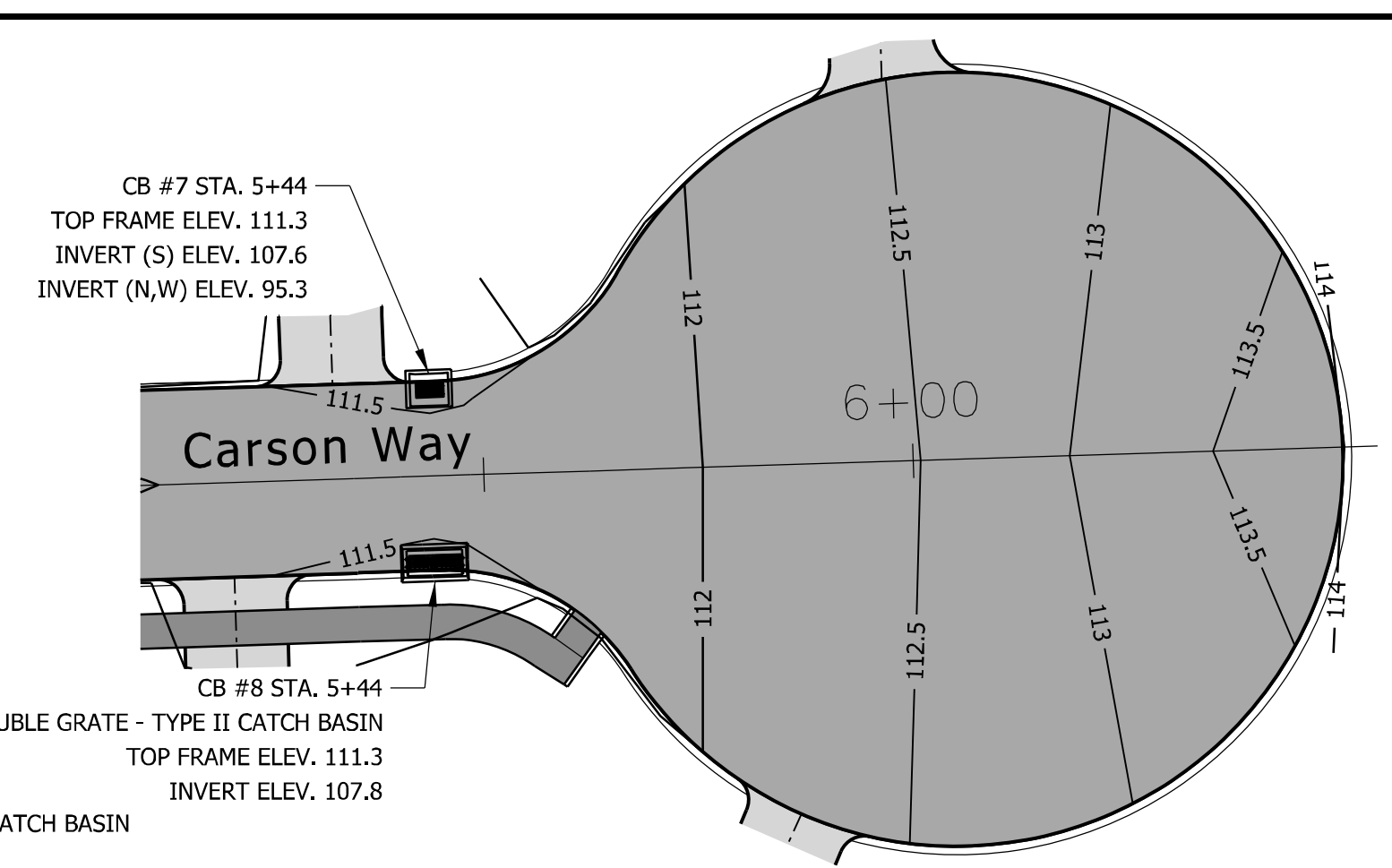
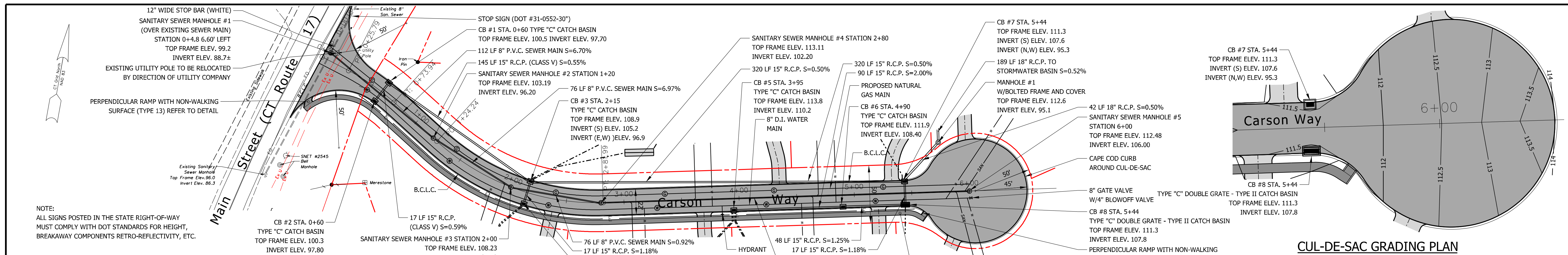
DATE: 4/15/2021
DRAWN BY: R.P.W.
CHECKED BY: R.P.W.
FILE:
FIELD BOOK: R.P.W.
SCALE: AS NOTED
SHEET: 5 OF 17

PLOT DATE: 5/27/2021

PLAN
SCALE: 1"=40'

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.





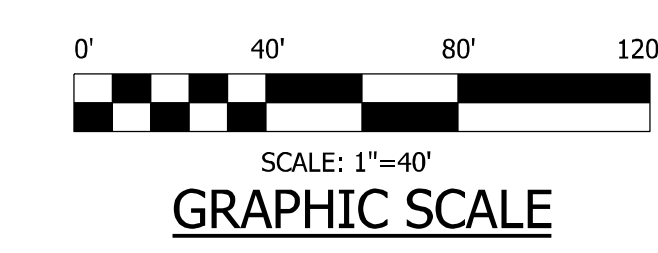
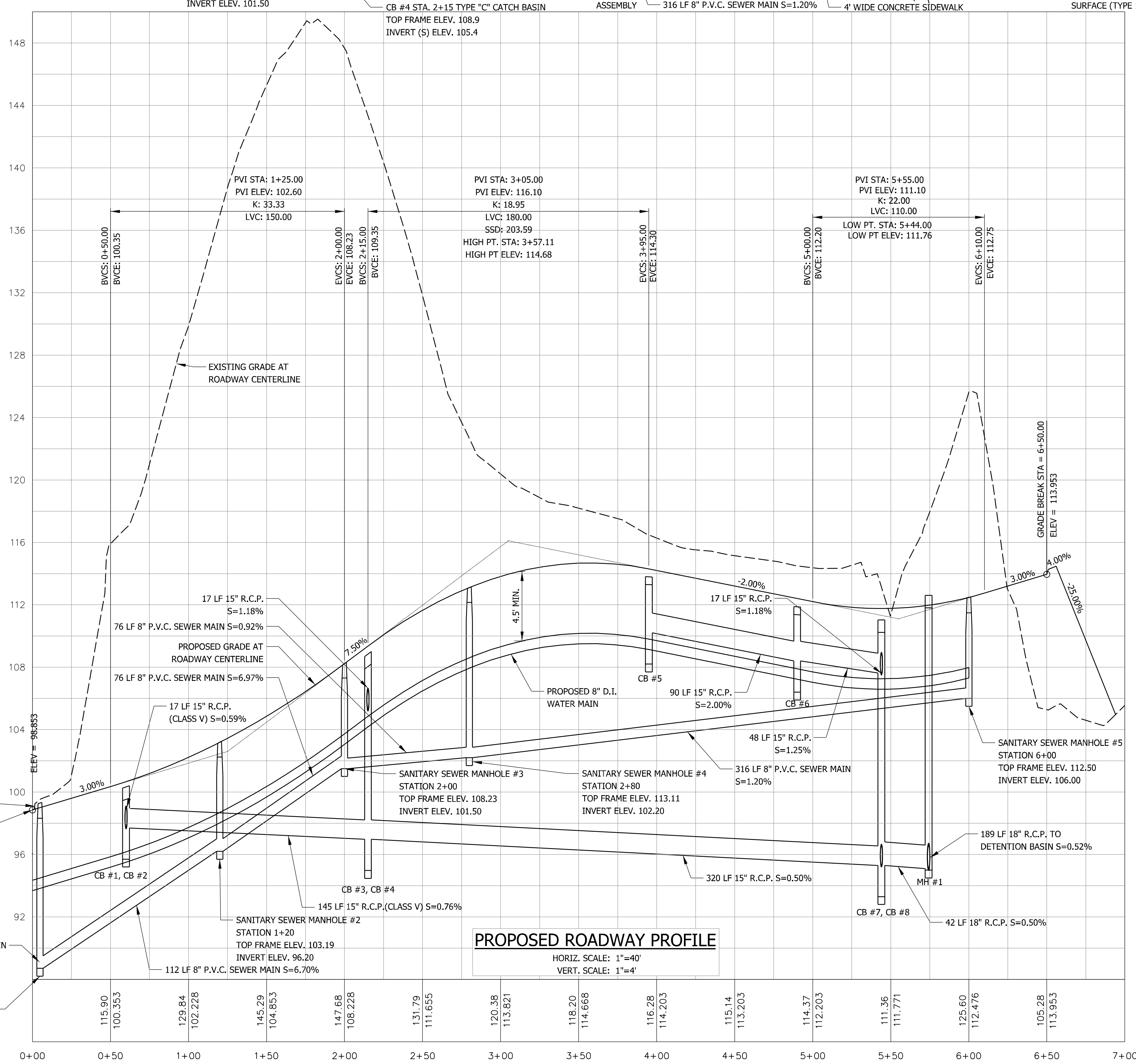
- WATER MAIN INSTALLATION NOTES:**
1. ALL PIPE 4" OR LARGER SHALL BE CL54 D.I.P.
 2. WATER MAIN SHALL BE INSTALLED WITH A 3' SEPARATING DISTANCE.
 3. 4'-6" MINIMUM BURIAL DEPTH.
 4. ALL HYDRANTS SHALL OPEN LEFT.
 5. DOMESTIC WATER SERVICE SHALL BE PRESSURE TESTED TO 150 P.S.I.
 6. WATER SERVICES SHALL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

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.

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.



**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 HW/PC SUBMISSION

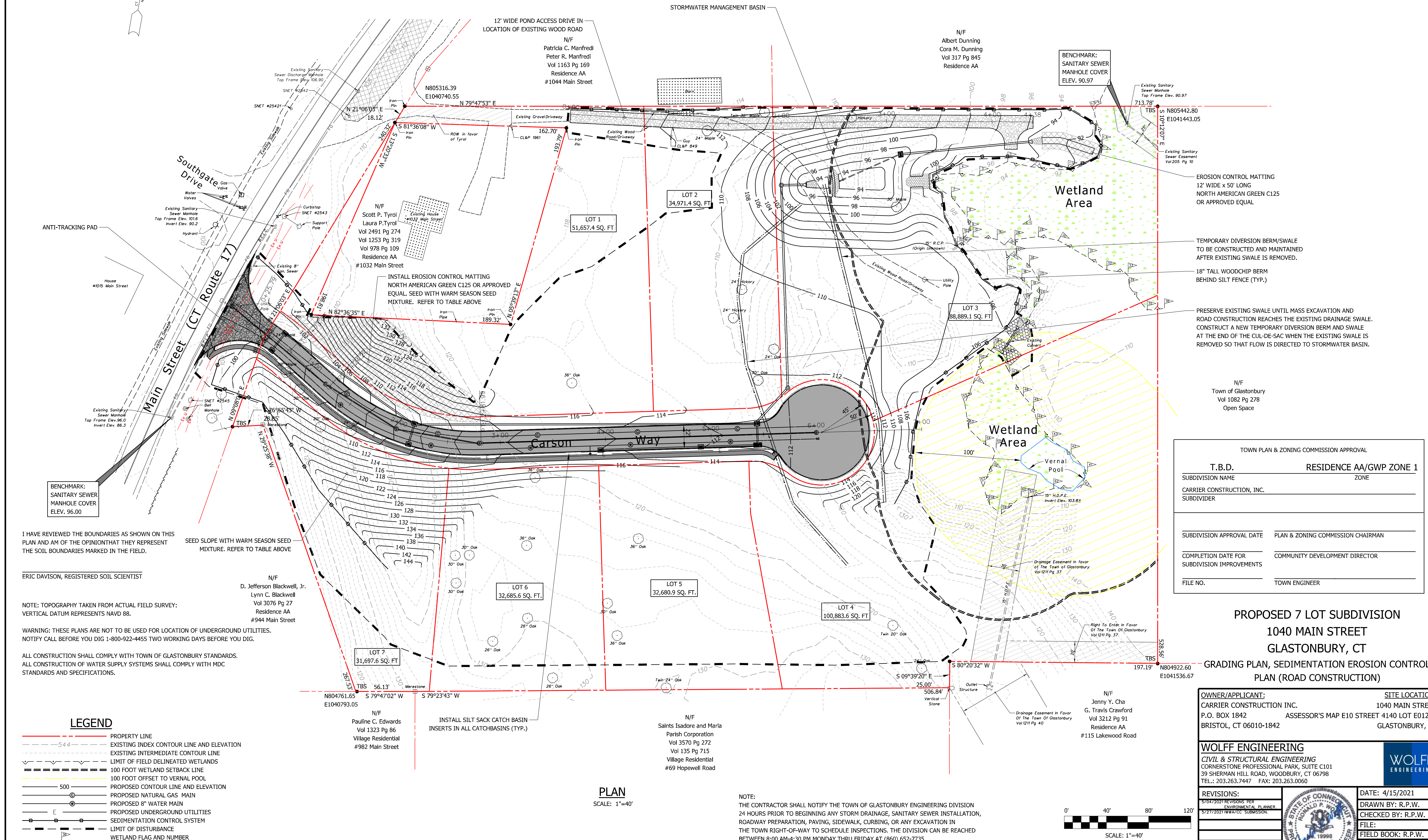
DATE: 4/15/2021
DRAWN BY: R.P.W.
CHECKED BY: R.P.W.
FILE:
FIELD BOOK: R.P.W.
SCALE: AS NOTED
SHEET: 6 OF 17

PLOT DATE: 5/27/2021

STATE OF CONNECTICUT
RODOLFO P. WOLFF
REGISTERED PROFESSIONAL ENGINEER
No. 19988

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



- EROSION CONTROL MATTING
12' WIDE x 50' LONG
NORTH AMERICAN GREEN C125
OR APPROVED EQUAL
- TEMPORARY DIVERSION BERM/SWALE
TO BE CONSTRUCTED AND MAINTAINED
AFTER EXISTING SWALE IS REMOVED.
- 18" TALL WOODCHIP BERM
BEHIND SILT FENCE (TYP.)
- PRESERVE EXISTING SWALE UNTIL MASS EXCAVATION AND
ROAD CONSTRUCTION REACHES THE EXISTING DRAINAGE SWALE.
CONSTRUCT A NEW TEMPORARY DIVERSION BERM AND SWALE
AT THE END OF THE CUL-DE-SAC WHEN THE EXISTING SWALE IS
REMOVED SO THAT FLOW IS DIRECTED TO STORMWATER BASIN.

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:
 5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER
 5/27/2021 HW/FC SUBMISSION

DATE: 4/15/2021
DRAWN BY: R.P.W.
CHECKED BY: R.P.W.
FILE:
FIELD BOOK: R.P.W.
SCALE: AS NOTED
SHEET: 7 OF 17

PLOT DATE: 5/27/2021

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

SEED SLOPE WITH WARM SEASON SEED MIXTURE. REFER TO TABLE ABOVE

ERIC DAVISON, REGISTERED SOIL SCIENTIST

N/F
 D. Jefferson Blackwell, Jr.
 Lynn C. Blackwell
 Vol 3076 Pg 27
 Residence AA
 #944 Main Street

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

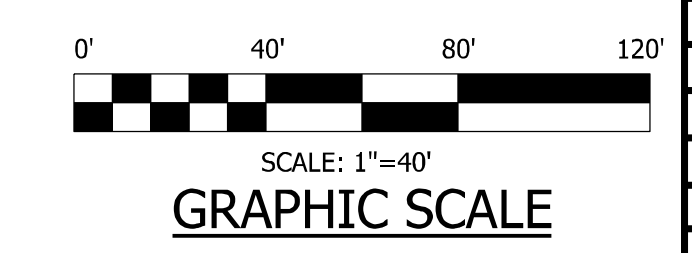
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 NOTIFY CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

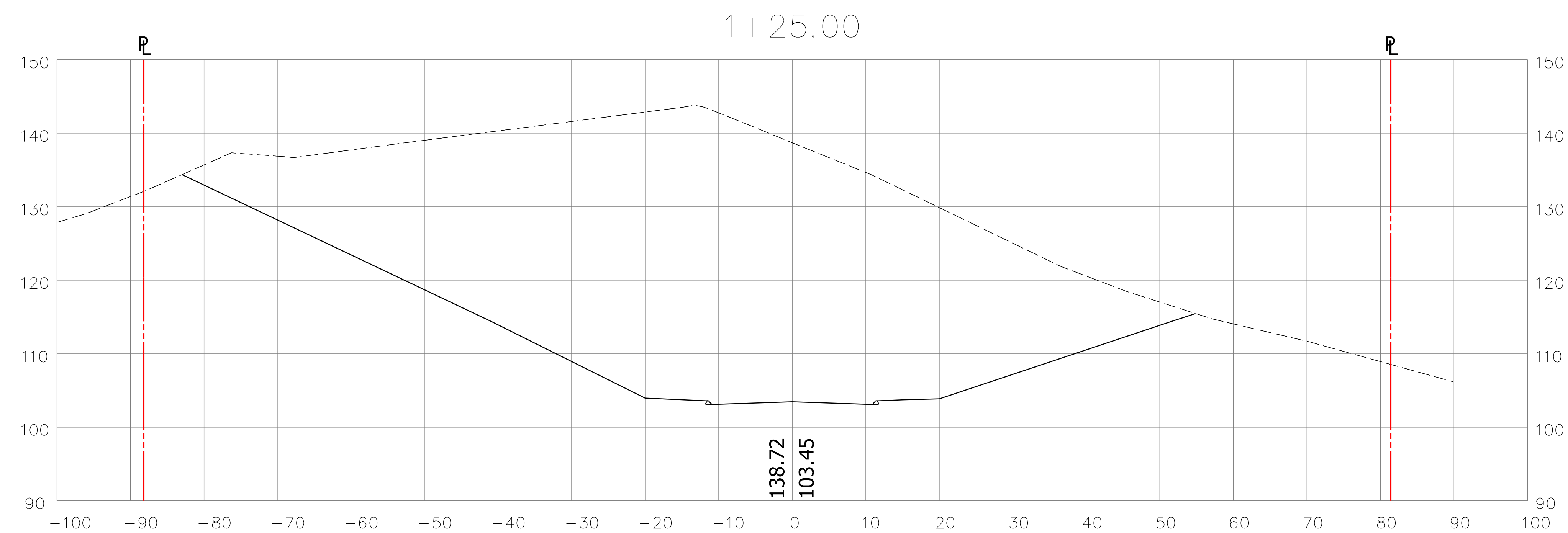
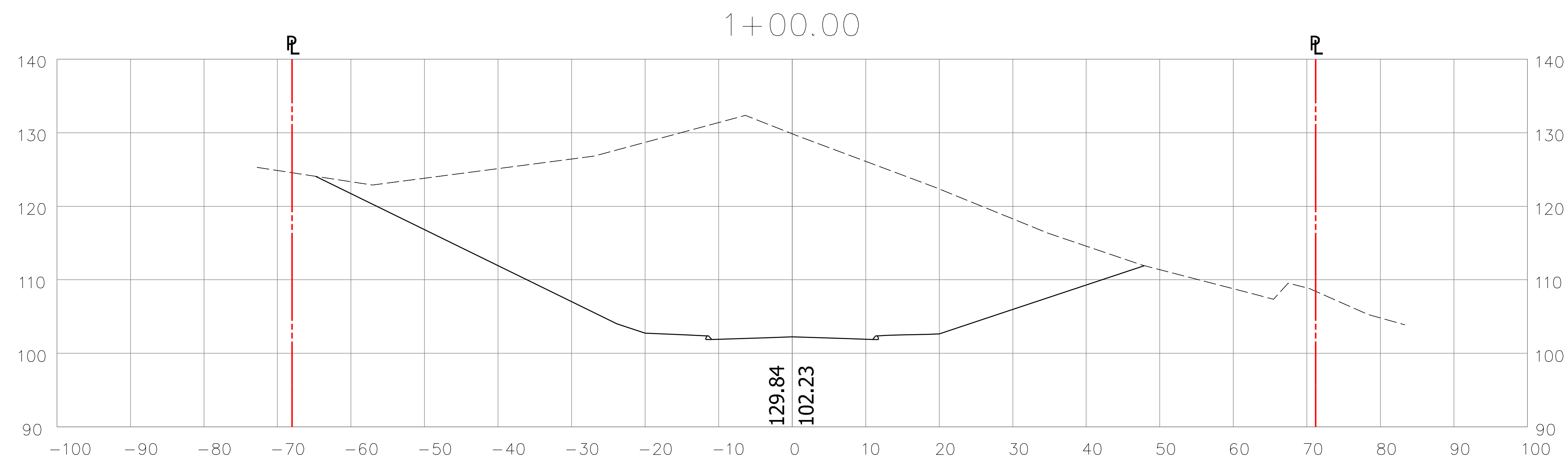
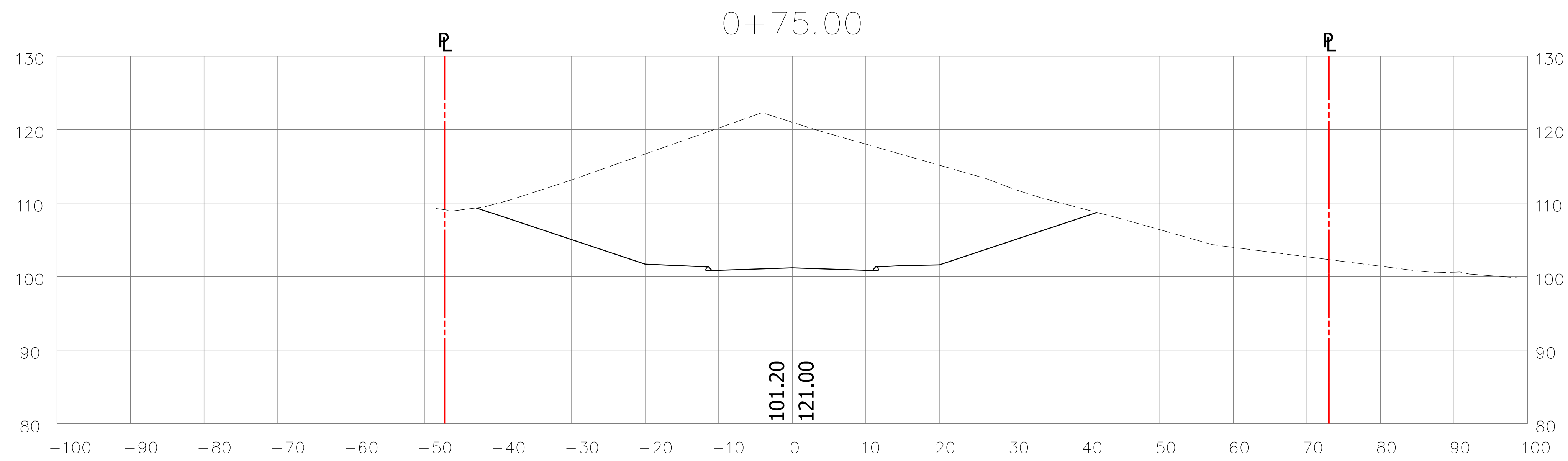
ALL CONSTRUCTION SHALL COMPLY WITH TOWN OF GLASTONBURY STANDARDS.
 ALL CONSTRUCTION OF WATER SUPPLY SYSTEMS SHALL COMPLY WITH MDC STANDARDS AND SPECIFICATIONS.

- LEGEND**
- PROPERTY LINE
 - 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
 - PROPOSED UNDERGROUND UTILITIES
 - SEDIMENTATION CONTROL SYSTEM
 - LIMIT OF DISTURBANCE
 - WETLAND FLAG AND NUMBER

PLAN
 SCALE: 1"=40'

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.



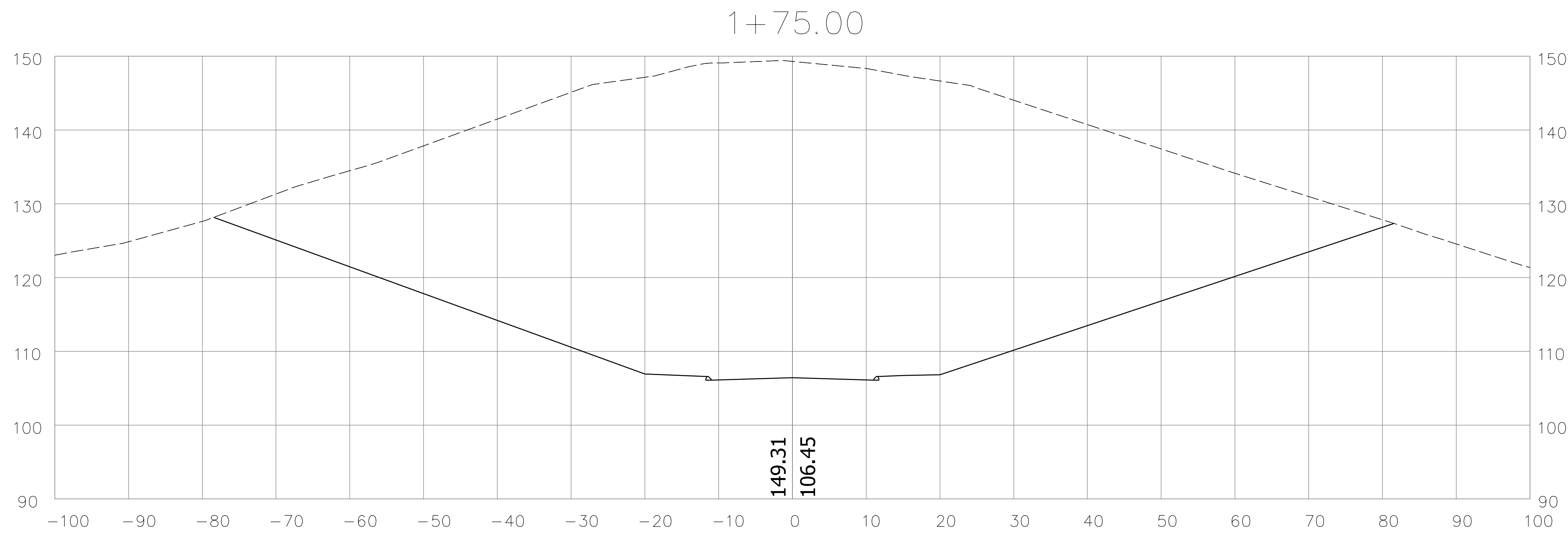
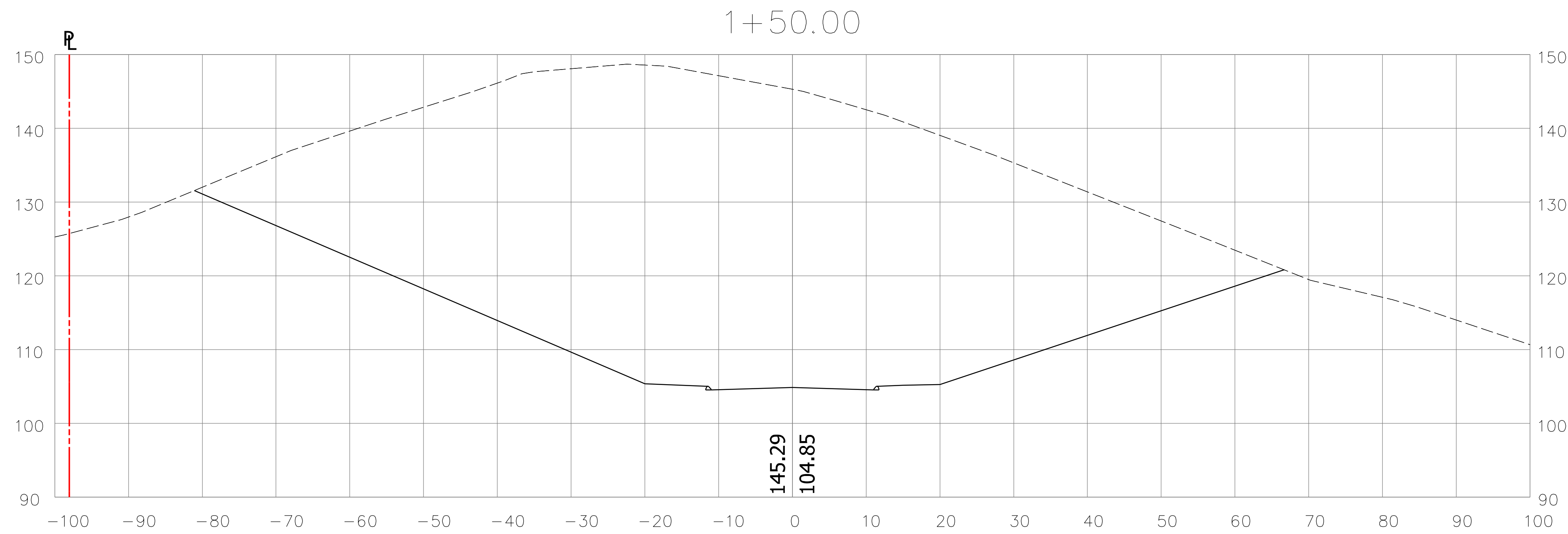


**PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT
ROADWAY CROSS SECTIONS**

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
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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	
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PLOT DATE: 5/27/2021		

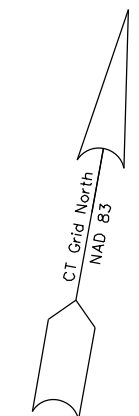


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ROADWAY CROSS SECTIONS

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PLOT DATE: 5/27/2021		



STORMWATER MANAGEMENT BASIN

Southgate Drive
Main Street (CT Route 17)

Wetland Area

Wetland Area

EROSION CONTROL MATTING
12' WIDE x 50' LONG
NORTH AMERICAN GREEN C125
OR APPROVED EQUAL

INSTALL EROSION CONTROL MATTING
NORTH AMERICAN GREEN C125
OR APPROVED EQUAL

INSTALL SILT SACK CATCH BASIN
INSERTS IN ALL CATCHBASINS (TYP.)

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

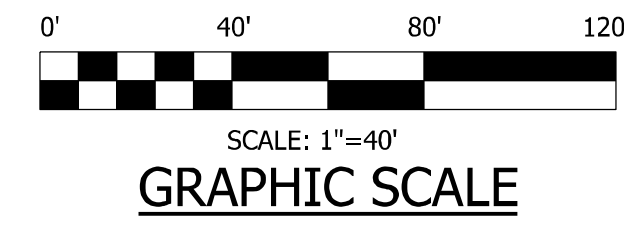
SITE LOCATION:
 1040 MAIN STREET
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 GLASTONBURY, CT

WOLFF ENGINEERING
 CIVIL & STRUCTURAL ENGINEERING
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PLAN
SCALE: 1"=40'

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ERIC DAVISON, REGISTERED SOIL SCIENTIST

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- 100 FOOT WETLAND SETBACK LINE
- PROPOSED CONTOUR LINE AND ELEVATION
- LIMIT OF DISTURBANCE
- SEDIMENTATION CONTROL SYSTEM

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:

- HAVE THE PROPOSED ROAD AND LIMITS OF CONSTRUCTION/DISTURBANCE, STAKED BY A LICENSED LAND SURVEYOR.
- HOLD THE PRECONSTRUCTION MEETING WITH THE DEVELOPER, CONTRACTOR, ENGINEER AND TOWN STAFF. NOTIFY CALL BEFORE YOU DIG: (1-800-922-4455).
- INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS FOR THE ENTIRE SITE IN ACCORDANCE WITH THE SEDIMENTATION AND EROSION CONTROL PLAN.
- 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.
- REMOVE ALL TOPSOIL WITHIN THE SLOPE LIMITS. STOCKPILE ALL TOPSOIL IN AN APPROVED AREA AND SECURE WITH EROSION AND SEDIMENT CONTROLS.
- BEGIN MASS EXCAVATION FOR THE PROPOSED ROAD AT MAIN STREET WORKING FROM THE WEST TOWARDS THE EAST.
- 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.
- CONSTRUCT TEMPORARY DIVERSION SWALES TO DIRECT RUNOFF INTO THE STORMWATER MANAGEMENT AREA DURING MASS EXCAVATION AND ROADWAY CONSTRUCTION PHASES.
- 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.
- INSTALL DRAINAGE SYSTEM BEGINNING AT STORMWATER MANAGEMENT AREA PROGRESSING TO PROPOSED ROADWAY CATCH BASINS.
- INSTALL SILT FENCE AND HAYBALES AROUND ALL CATCH BASIN INLETS.
- INSTALL UNDERGROUND UTILITIES.
- PLACE AND COMPACT SUBBASE FOR THE ROADWAY.
- PAVE AND CURB THE ROAD.
- SPREAD TOPSOIL, MULCH AND SEED ALL DISTURBED AREAS.
- PLANT STREET TREES AND LANDSCAPING ITEMS.
- REMOVE ALL SILT AND DEBRIS FROM CATCH BASIN SUMPS. REMOVE ACCUMULATED SILT FROM STORMWATER BASIN.
- REMOVE BLOCK FROM NOTCH IN STORMWATER BASIN OUTLET STRUCTURE ONCE SITE IS STABILIZED.
- INSTALL UNDERDRAIN IN STORMWATER BASIN. INSTALL GATE VALVE ON 4" PVC UNDERDRAIN PIPE IN OUTLET STRUCTURE.
- SPREAD TOPSOIL AND SEED DISTURBED AREAS IN STORMWATER BASIN.
- ALL EROSION CONTROL DEVICES, INCLUDING CATCH BASINS, SHALL BE CLEANED WHEN SEDIMENT REACHES ONE-HALF OF THE RECOMMENDED DEPTH.

SOIL EROSION CONTROL NARRATIVE

- 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.
- EXPECTED TOTAL AREA TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 6.2 ACRES.
- 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.
- APPROXIMATELY 700 LINEAR FEET OF ROAD WILL BE CONSTRUCTED TO PROVIDE ACCESS TO THE PROPOSED LOTS.
- 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.
- 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.
- DETAILS FOR THE INSTALLATION OF THE PROPOSED EROSION AND SEDIMENTATION CONTROLS CAN BE FOUND ON THE "EROSION CONTROL DETAIL" SHEETS WITHIN THESE PLANS.
- 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.
- 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.
- 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.
- THE ESTIMATED START DATE FOR THIS PROJECT IS AUGUST 1, 2021 AND COMPLETION DATE JUNE 30, 2022.

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

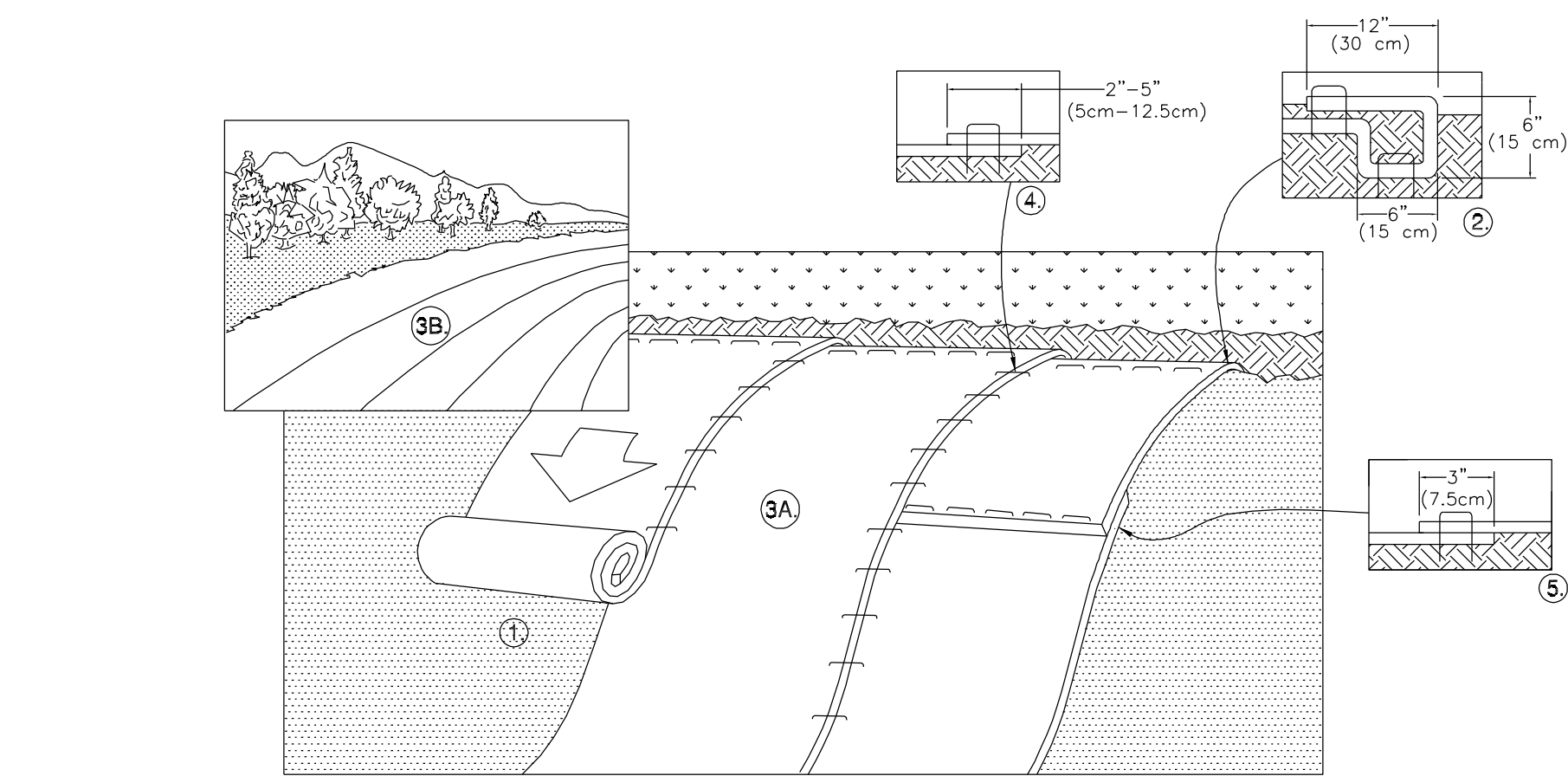
INSPECT STONE CHECK DAMS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER TO DETERMINE MAINTENANCE NEEDS. REMOVE THE SEDIMENT DEPOSITS WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE CHECK DAM. REPLACE OR REPAIR THE CHECK DAM WITHIN 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

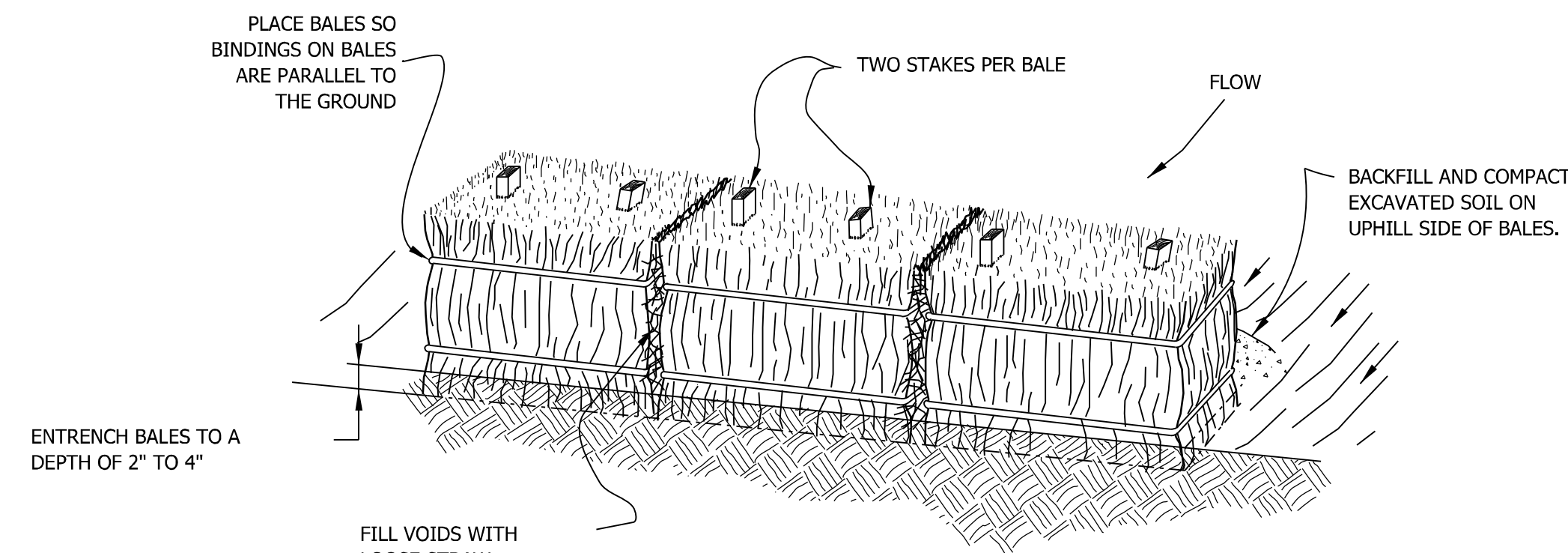
OWNER/APPLICANT: CARRIER CONSTRUCTION INC. P.O. BOX 1842 BRISTOL, CT 06010-1842		SITE LOCATION: 1040 MAIN STREET ASSESSOR'S MAP E10 STREET 4140 LOT E0129B GLASTONBURY, CT	
WOLFF ENGINEERING <i>CIVIL & STRUCTURAL ENGINEERING</i> CORNERSTONE PROFESSIONAL PARK, SUITE C101 39 SHERMAN HILL ROAD, WOODBURY, CT 06798 TEL.: 203.263.7447 FAX: 203.263.0060			
REVISIONS: 5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER 5/27/2021 HW/AC SUBMISSION		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: 5/27/2021		SHEET: 11 OF 17	



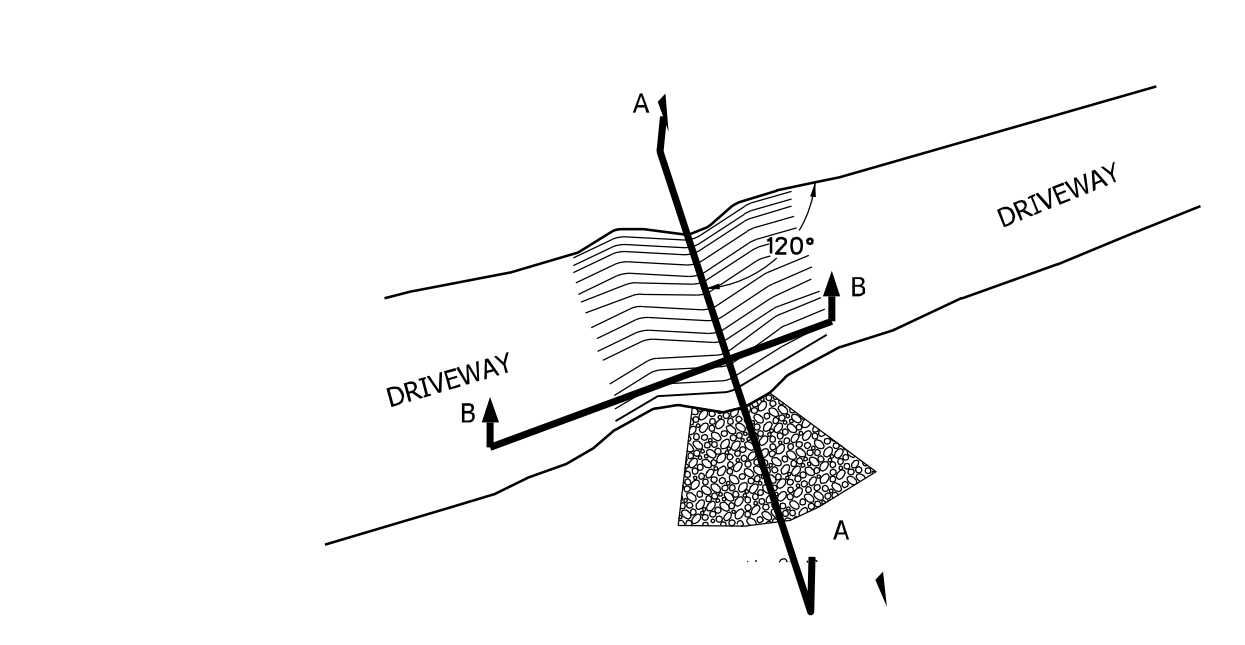
- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
NOTE: WHEN USING CELL-0-SEED DO NOT SEED PREPARED AREA. CELL-0-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP's 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.
- 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.
- THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S TYPE.
- 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

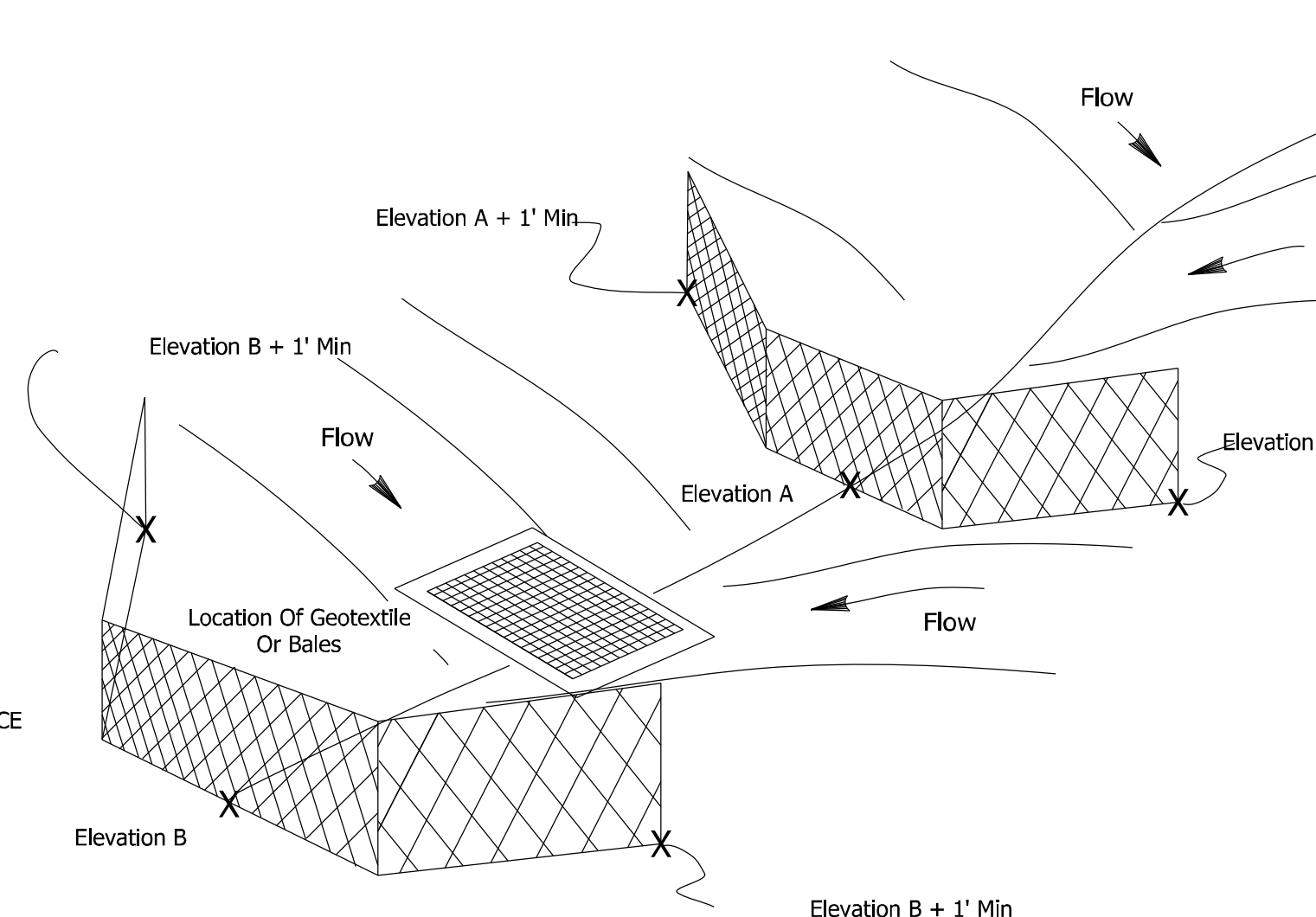
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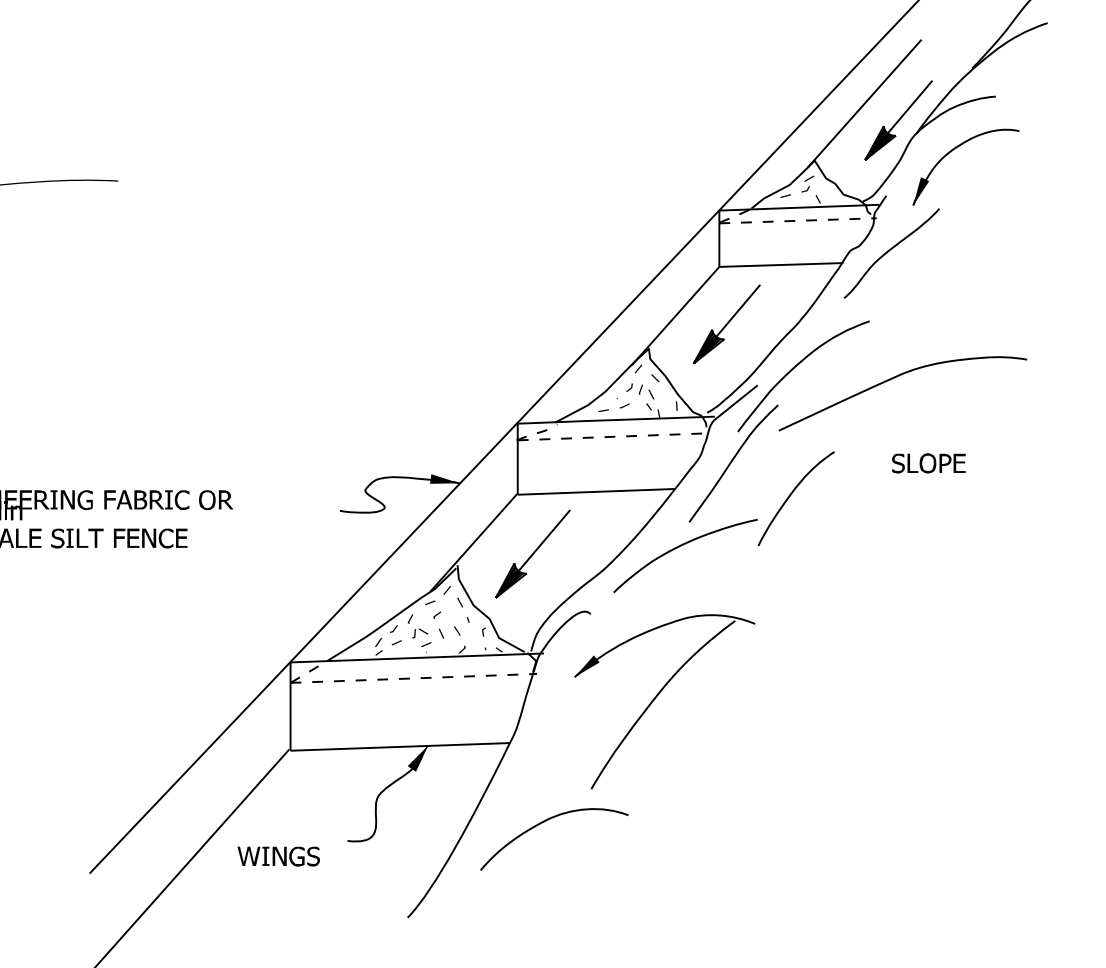
**PREFERRED PLACEMENT
HAY/STRAW BALES**
NOT TO SCALE



**SECTION A-A
SECTION B-B
TEMPORARY WATER BAR DETAIL**
NOT TO SCALE

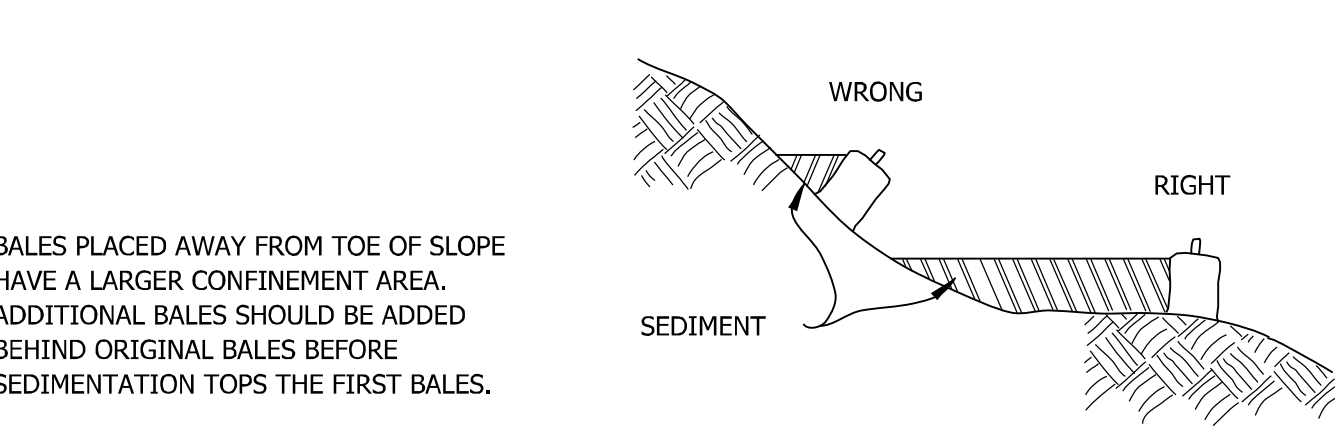


CATCH BASIN ON A SLOPE
NOT TO SCALE



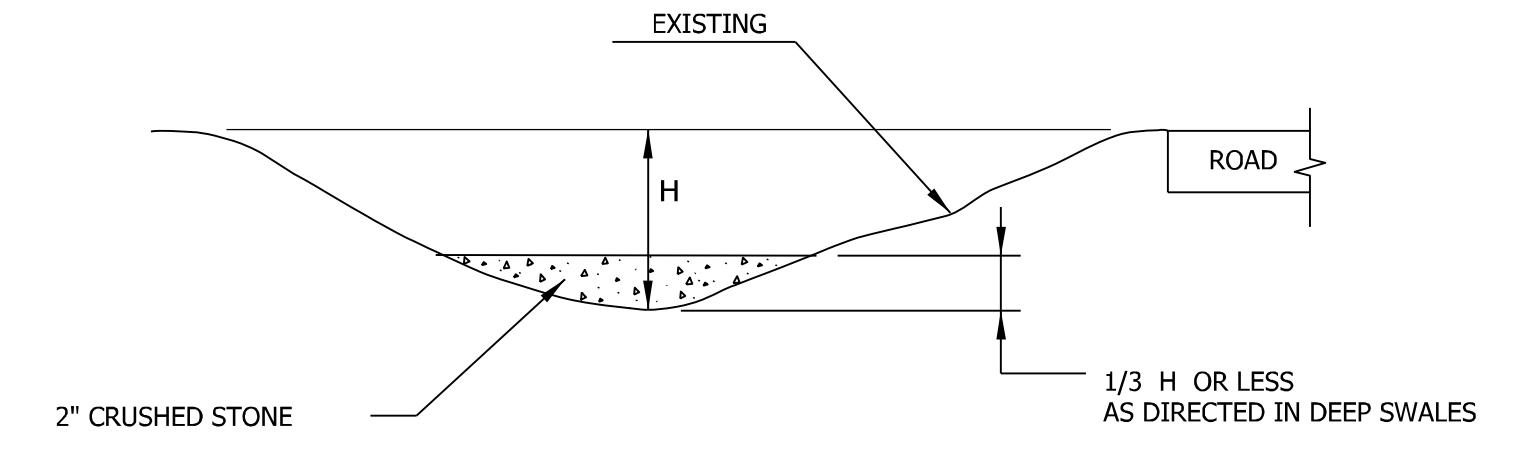
WHEN USING SILT FENCE ALONG TOE OF SLOPE, ADD WINGS TO PREVENT SEDIMENT FROM MOVING ALONG THE FENCE AND OFF THE SITE. SPACING OF THE WING SHALL BE DETERMINED BY THE ENGINEER.

**SEDIMENTATION CONTROL SYSTEM
TOE OF SLOPE**

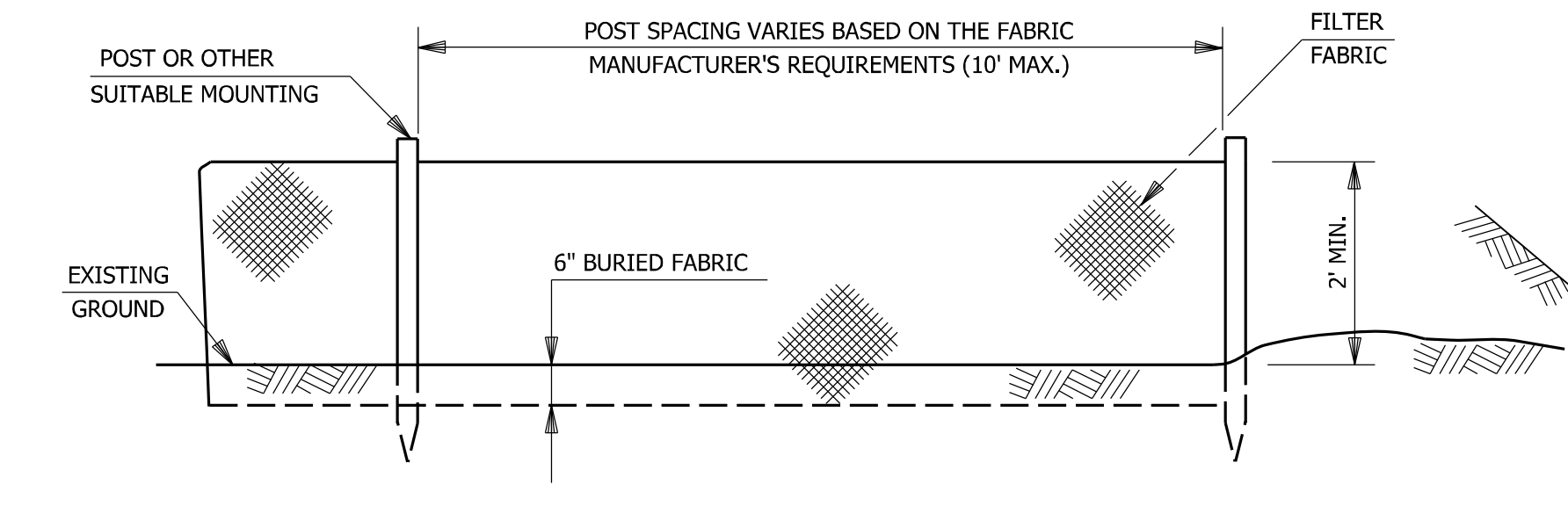


BALES PLACED AWAY FROM TOE OF SLOPE HAVE A LARGER CONFINEMENT AREA. ADDITIONAL BALES SHOULD BE ADDED BEHIND ORIGINAL BALES BEFORE SEDIMENTATION TOPS THE FIRST BALES.

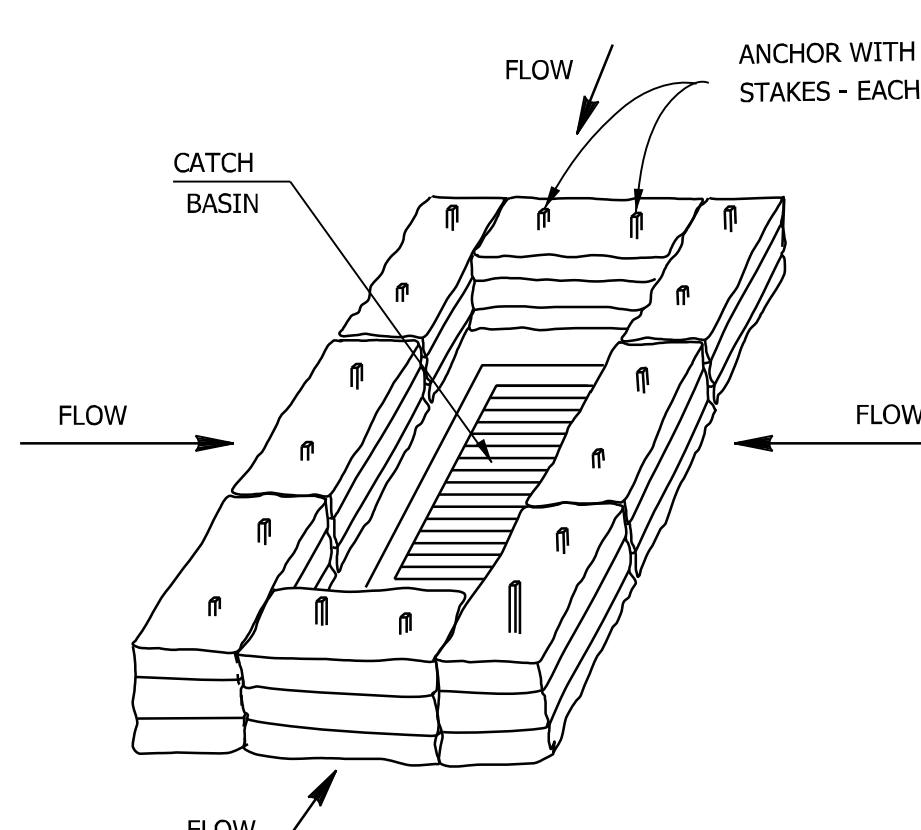
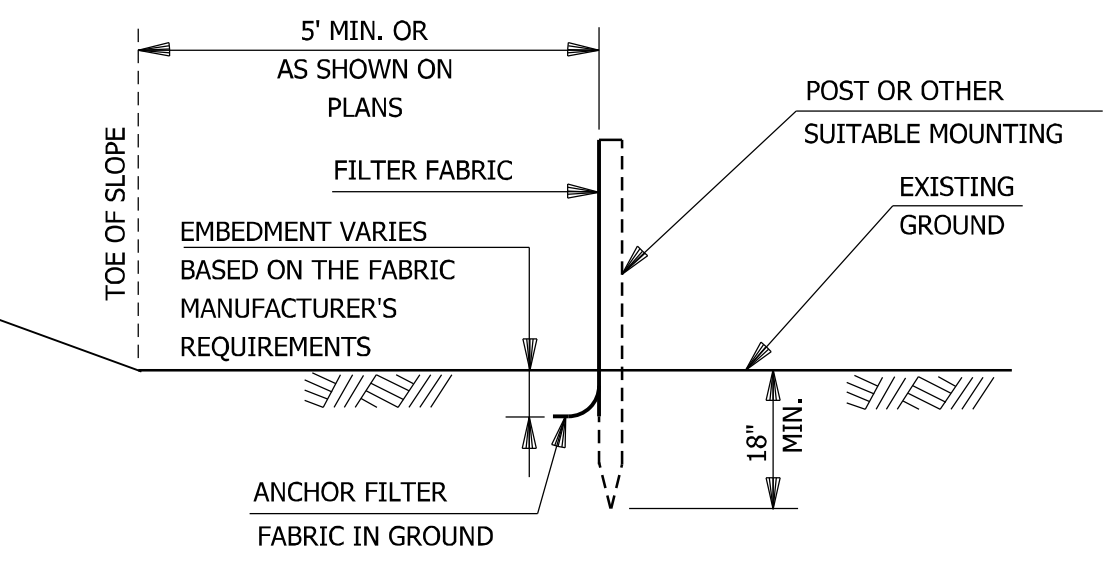
- TEMPORARY DIVERSION NOTES**
- CONSTRUCTION**
1. INSTALL EROSION CONTROLS AT THE OUTLET WHERE SEDIMENT LADEN RUNOFF IS EXPECTED.
 2. CONSTRUCT THE TEMPORARY DIVERSION AFTER GRADING THE BERM.
 3. TAMP OR COMPACT IT TO PREVENT FAILURE.
 4. APPLY STABILIZATION MEASURES (MAY INCLUDE TEMPORARY OR PERMANENT 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.



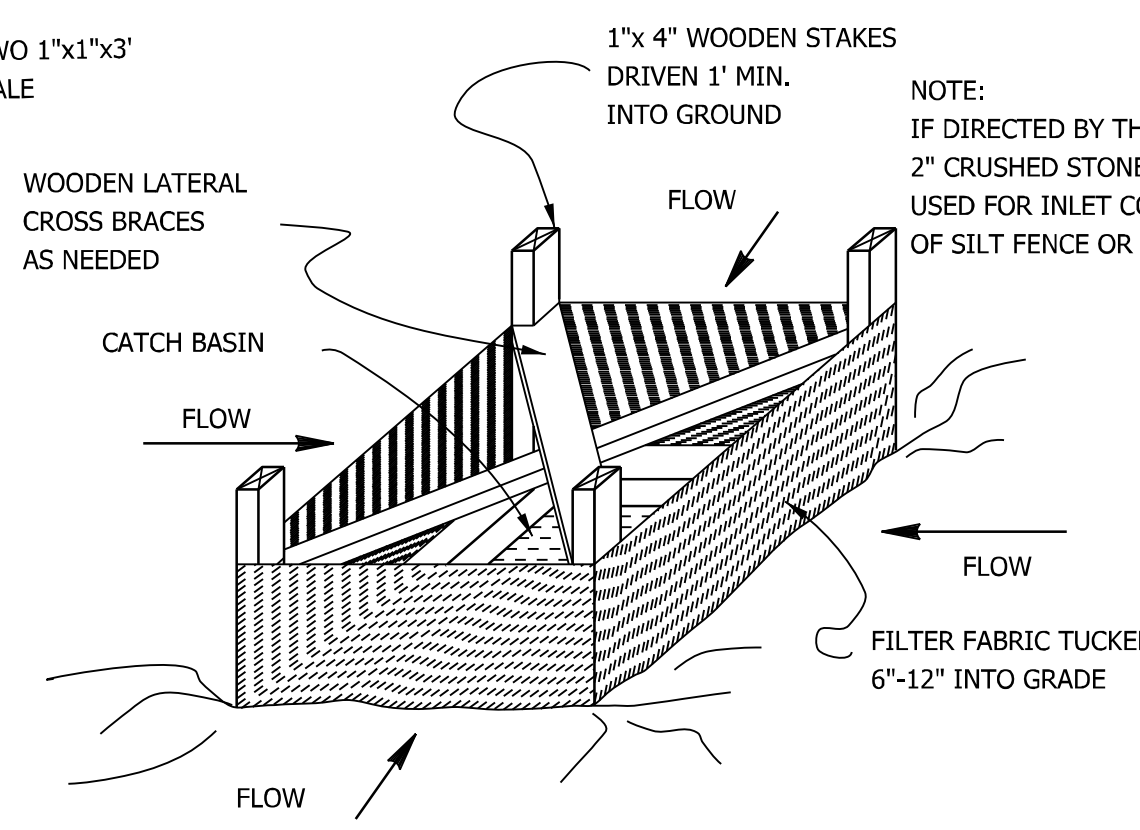
SECTION A-A
* MAXIMUM HEIGHT OF CHECK DAM SHOULD NOT EXCEED 1/3 HEIGHT OF THE CHANNEL.



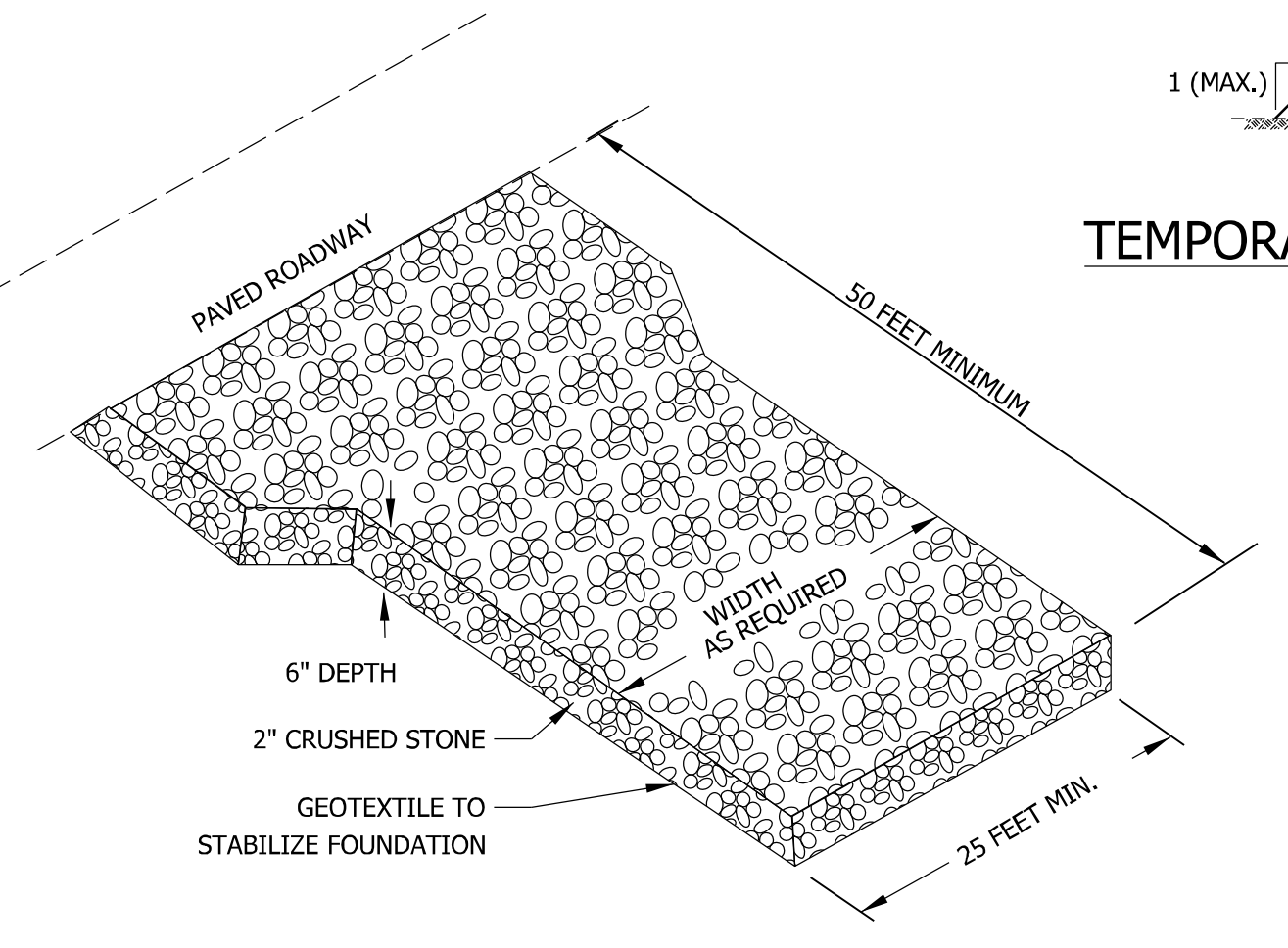
**ELEVATION
SECTION
SEDIMENTATION CONTROL SYSTEM**
NOT TO SCALE



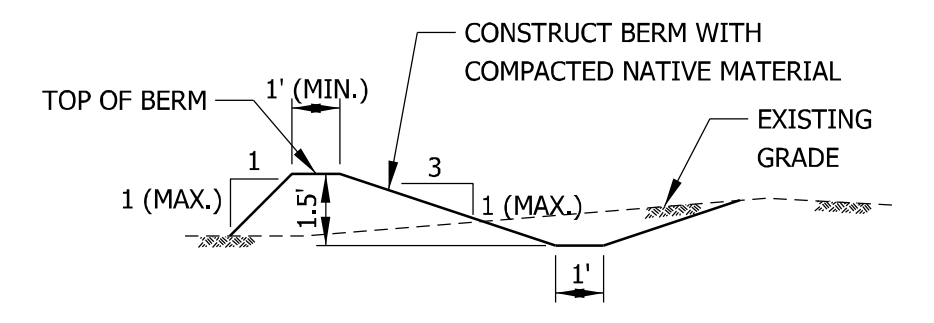
**HAY BALE INSTALLATION AT
CATCH BASIN**



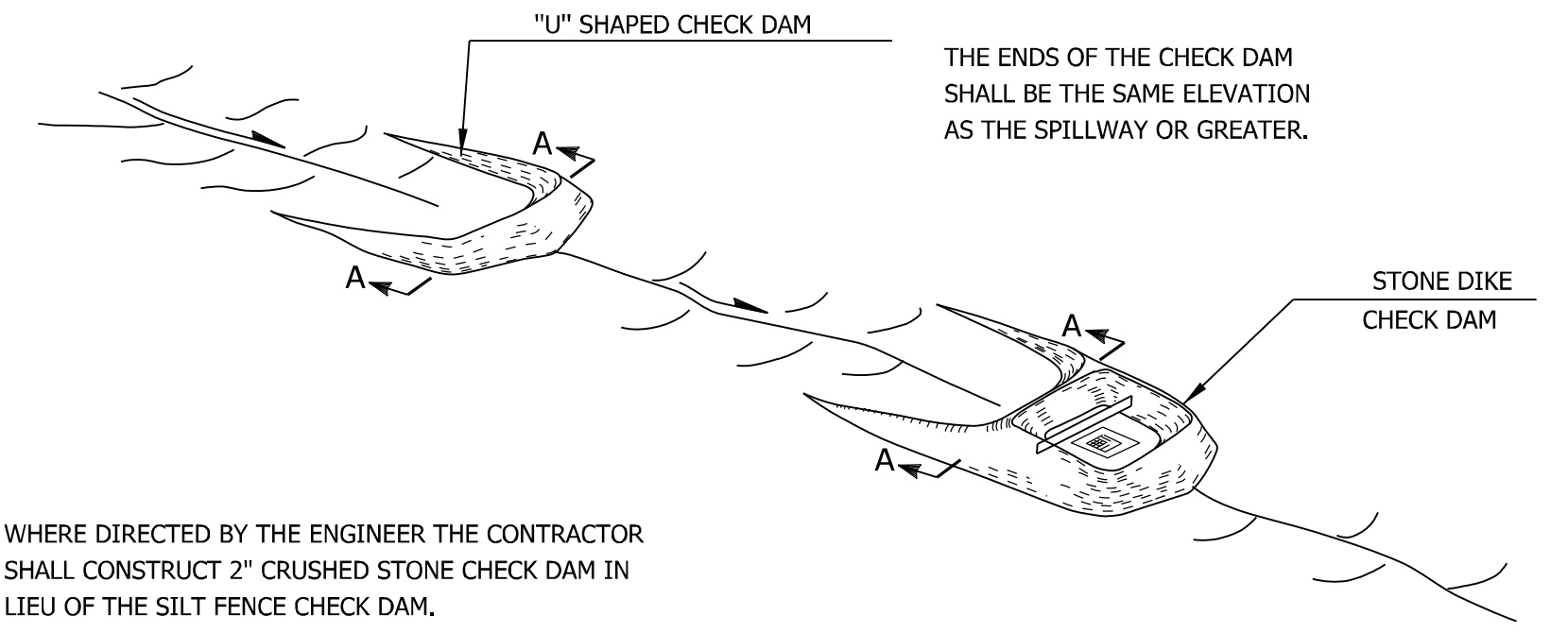
**SILT FENCE INSTALLATION
AT CATCH BASIN**



ANTI-TRACKING PAD
NOT TO SCALE



TEMPORARY DIVERSION BERM/SWALE DETAIL
SCALE: 1"=4'-0"



STONE CHECK DAM
NOT TO SCALE

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

**PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT**

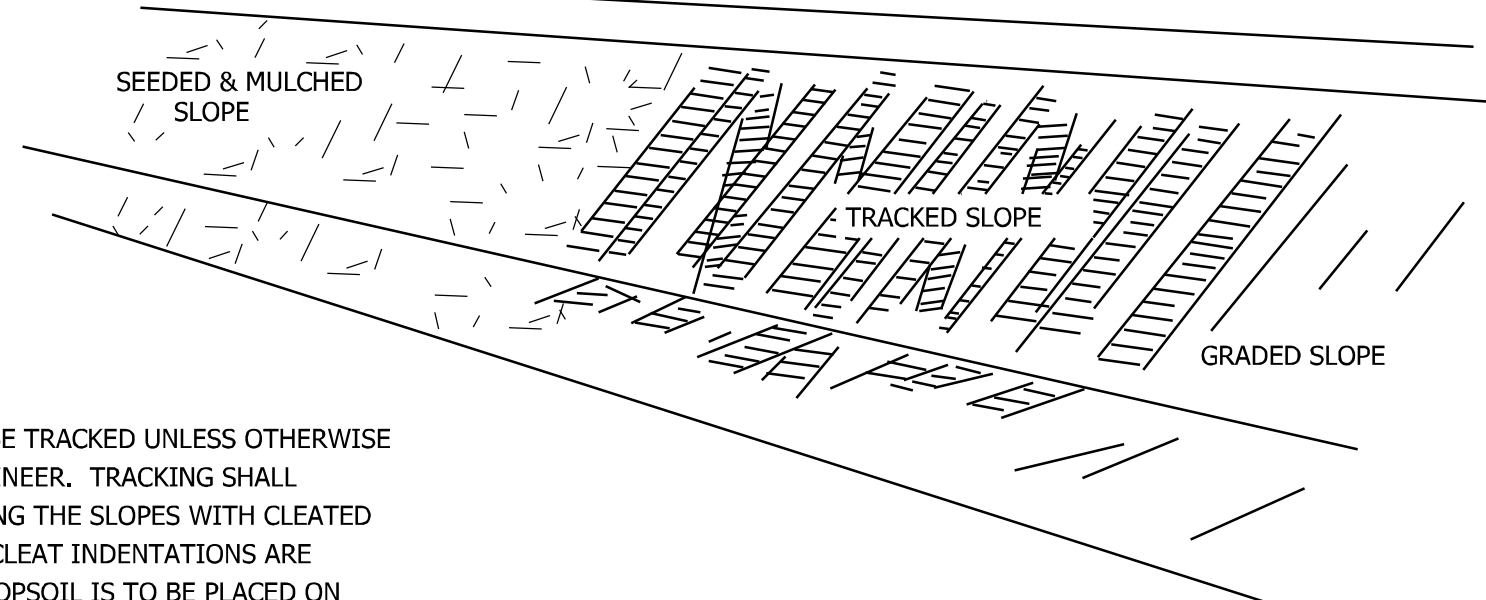
SEDIMENTATION & EROSION CONTROL DETAILS

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

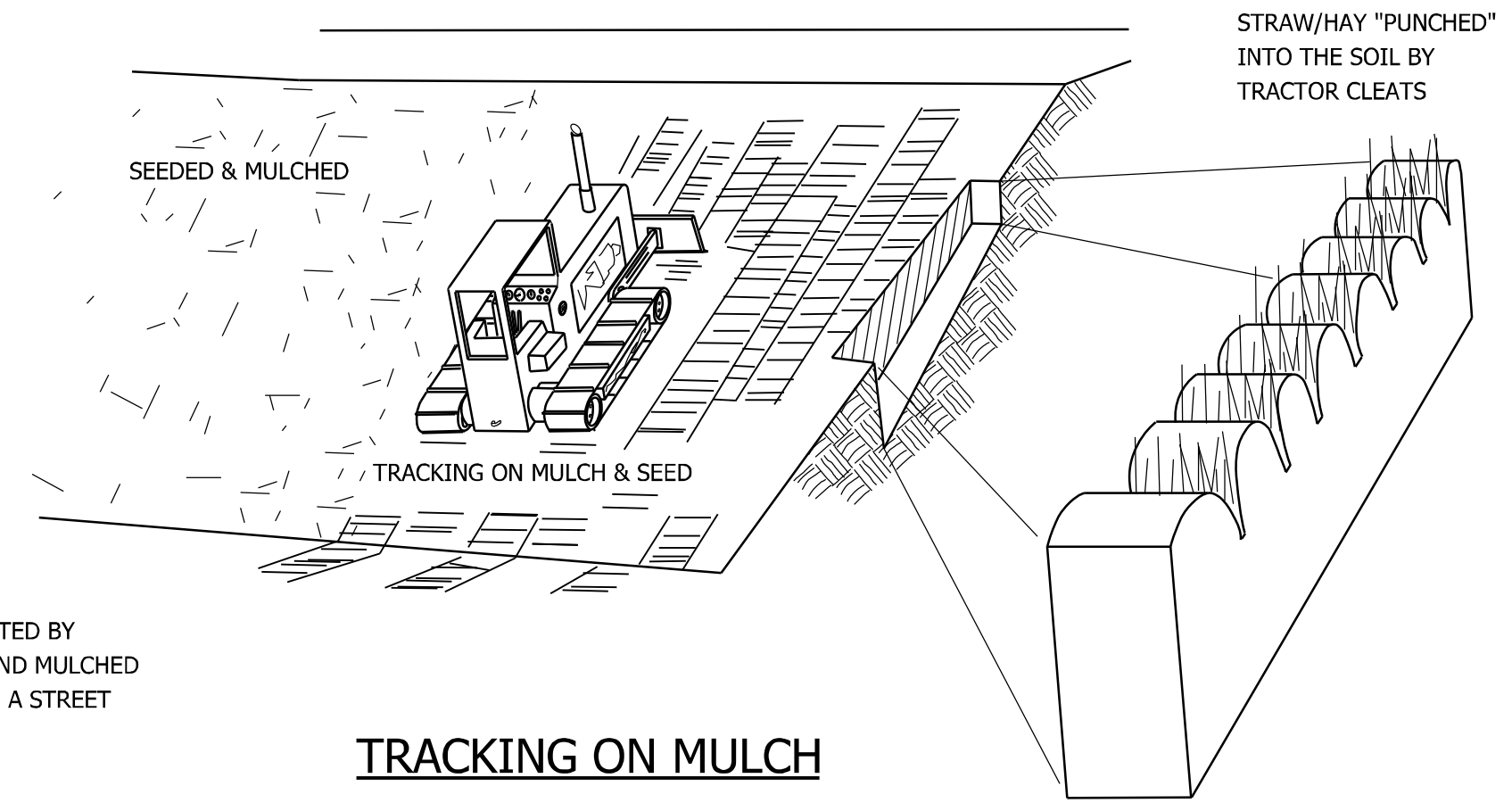
WOLFF ENGINEERING CIVIL & STRUCTURAL ENGINEERING CORNERSTONE PROFESSIONAL PARK, SUITE C101 39 SHERMAN HILL ROAD, WOODBURY, CT 06798 TEL.: 203.263.7447 FAX: 203.263.0060			DATE: 4/15/2021
REVISIONS: 5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER 5/27/2021 HW/FC SUBMISSION	DRAWN BY: R.P.W. CHECKED BY: R.P.W. FILE: FIELD BOOK: R.P.W. SCALE: AS NOTED SHEET: 12 OF 17		
PLOT DATE: 5/27/2021			

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 SEED AND MULCHED AREA. A GROUSER PAD SHOULD BE USED, A STREET PAD IS NOT ACCEPTABLE.



TRACKING ON MULCH

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 CONTENT 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 AT 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

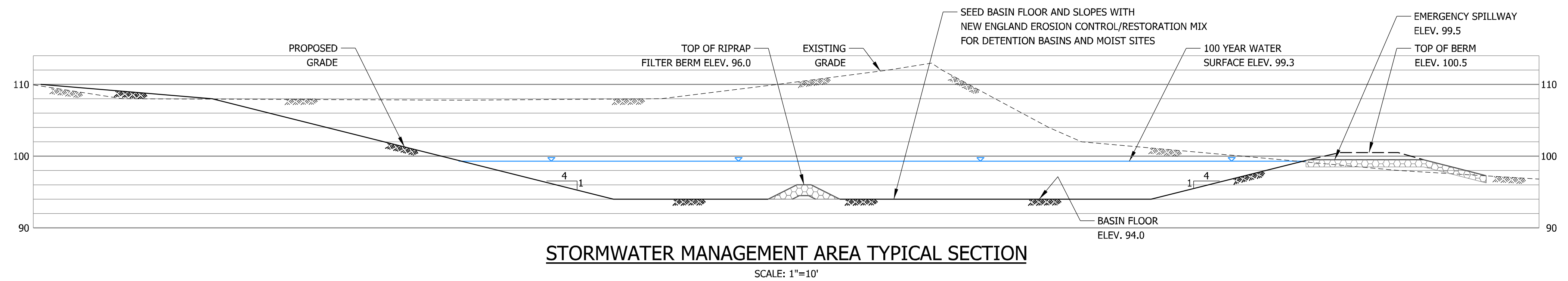
1. THE BERM SHALL BE CONSTRUCTED TO THE ELEVATIONS, LINES AND GRADES AND CROSS SECTIONS AS SHOWN ON THE PLANS. THE BERM SHALL BE MAINTAINED IN A MANNER SATISFACTORY TO THE ENGINEER AND THE TOWN AND SURFACES SHALL BE COMPACTED AND ACCURATELY GRADED BEFORE TOPSOIL IS PLACED ON THEM.

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

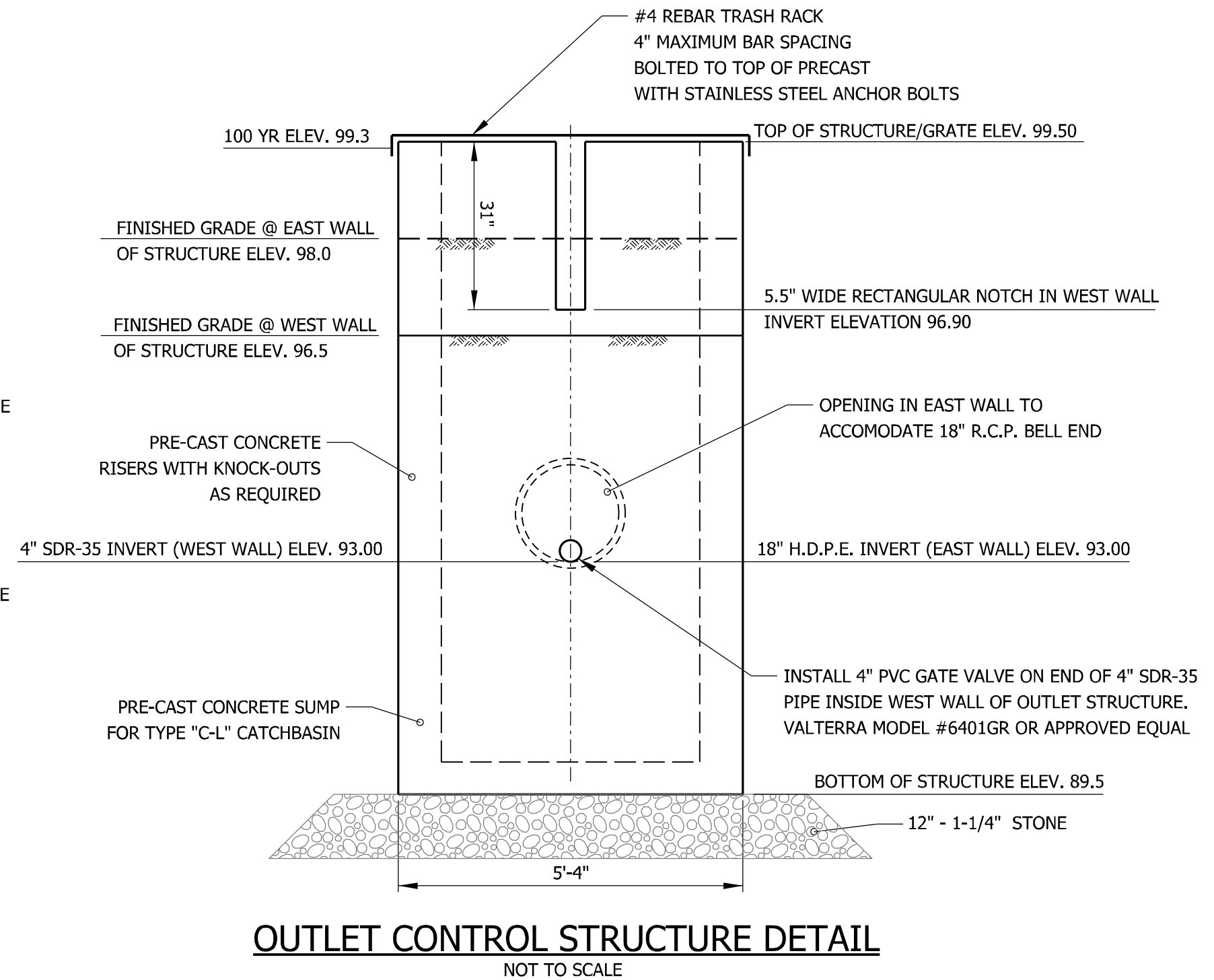
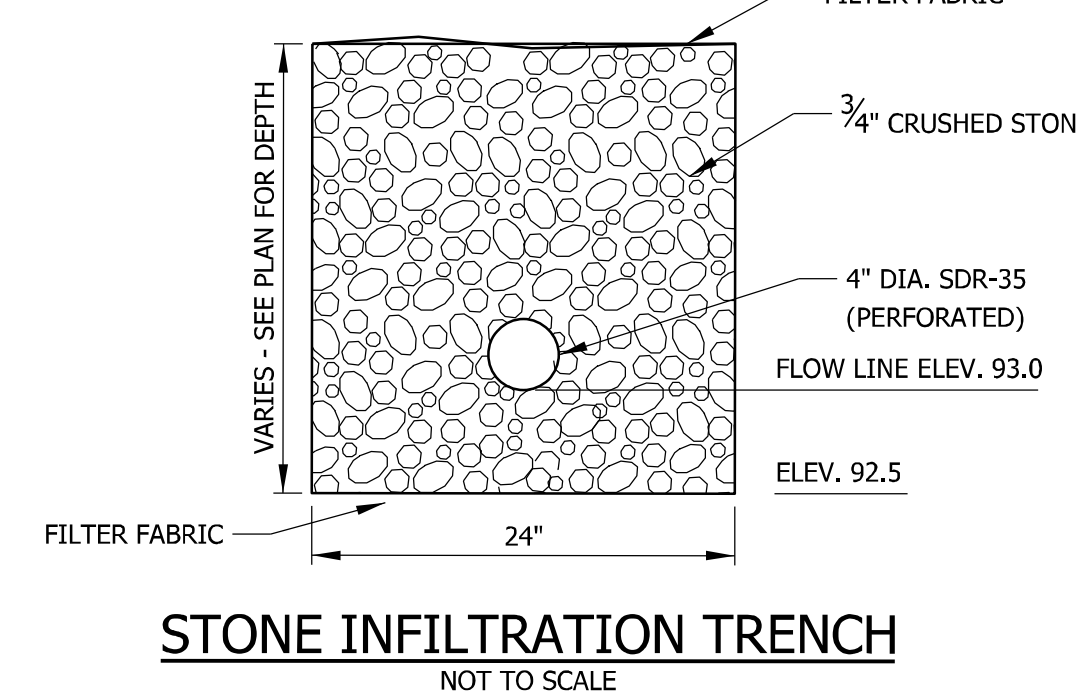
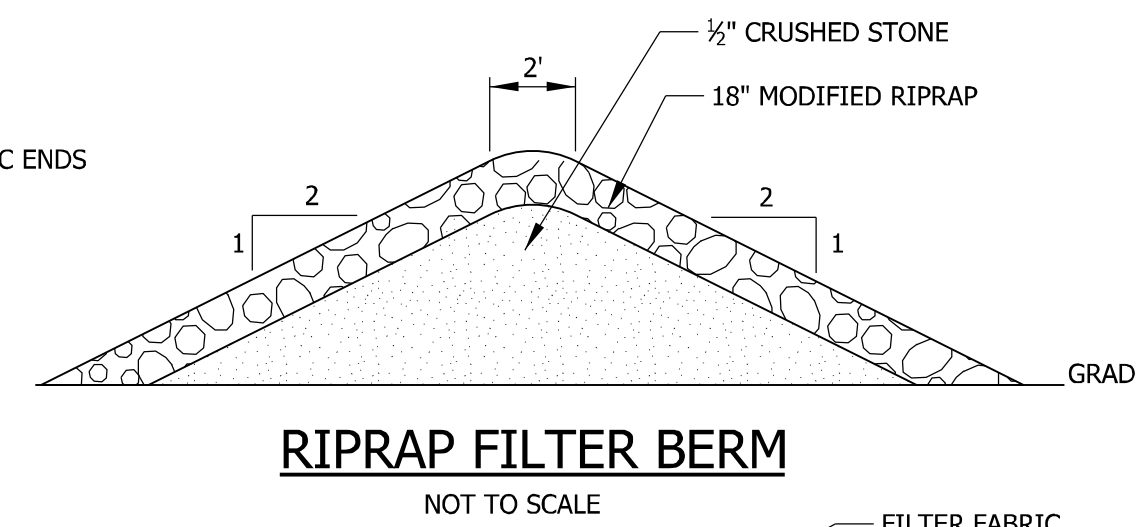
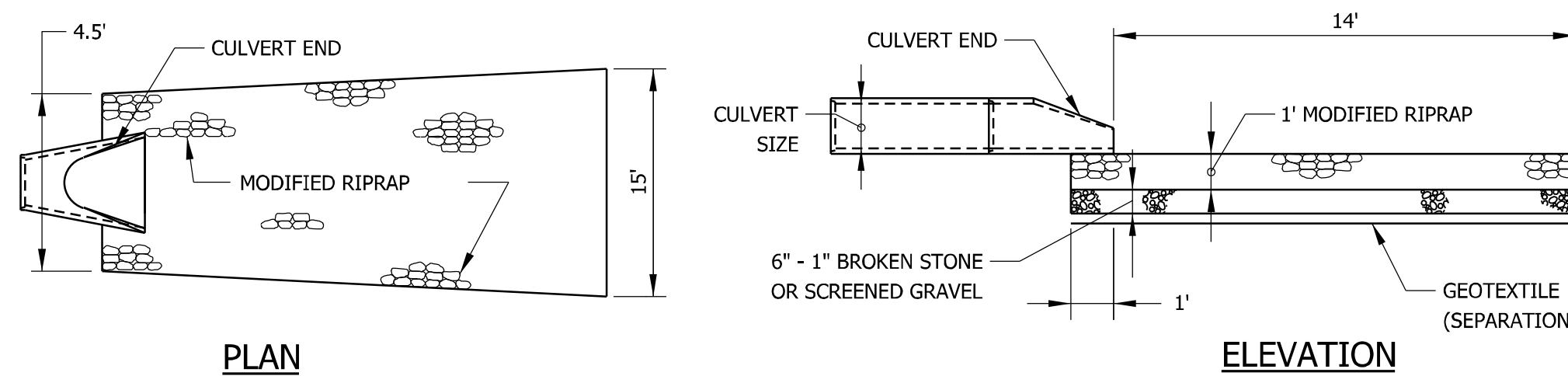
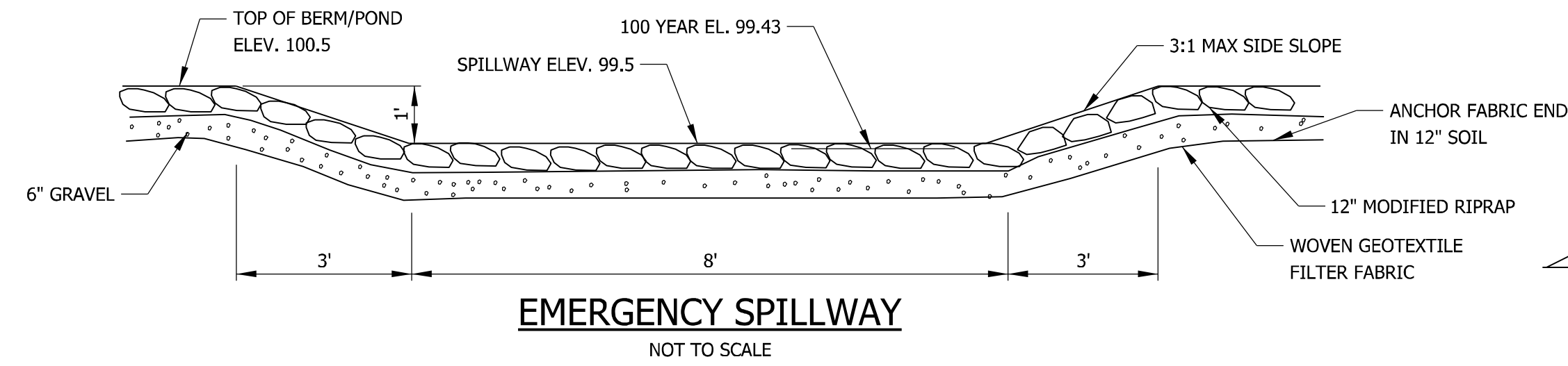


CONSTRUCTION MAINTENANCE SCHEDULE FOR DETENTION BASIN

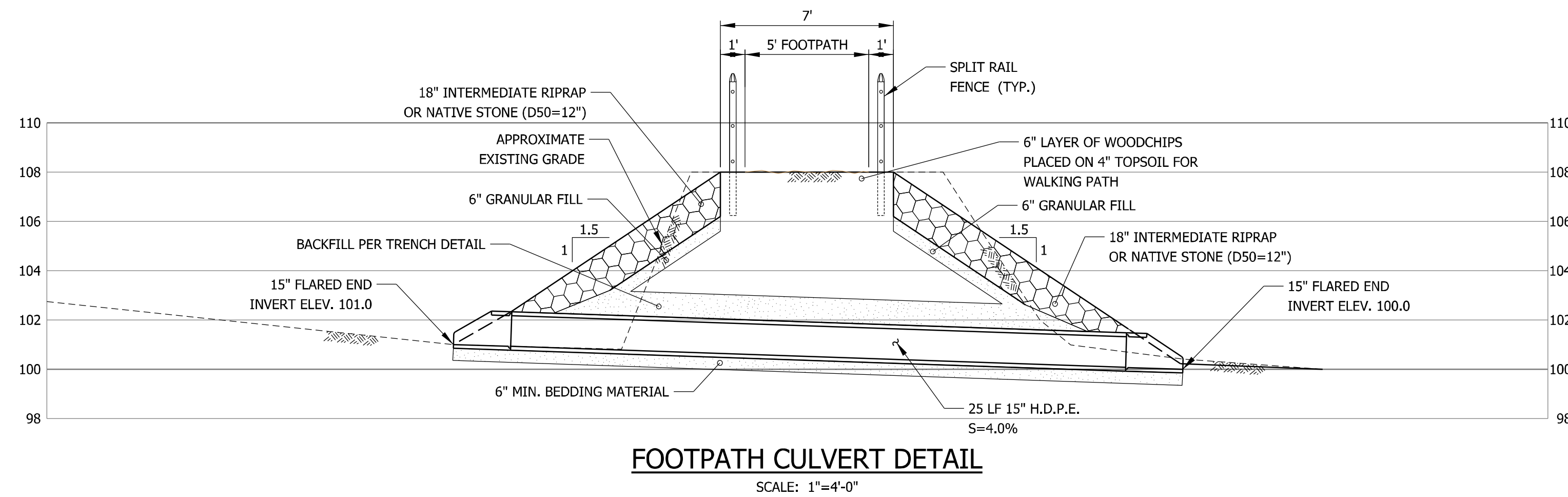
1. INSTALL SOIL & EROSION CONTROL MEASURES PER THE PLAN.
2. TEMPORARILY SEED THE BASIN SLOPES AS CALLED OUT IN SEEDING & PLANTING REQUIREMENTS.
3. COMPLETE THE DETENTION BASIN PER THE PLANS AND SPECIFICATIONS.
4. INSPECT THE BASIN ON A WEEKLY BASIS. REPORT THE CONDITION OF THE BASIN.
5. REMOVE THE SEDIMENT 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.

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.

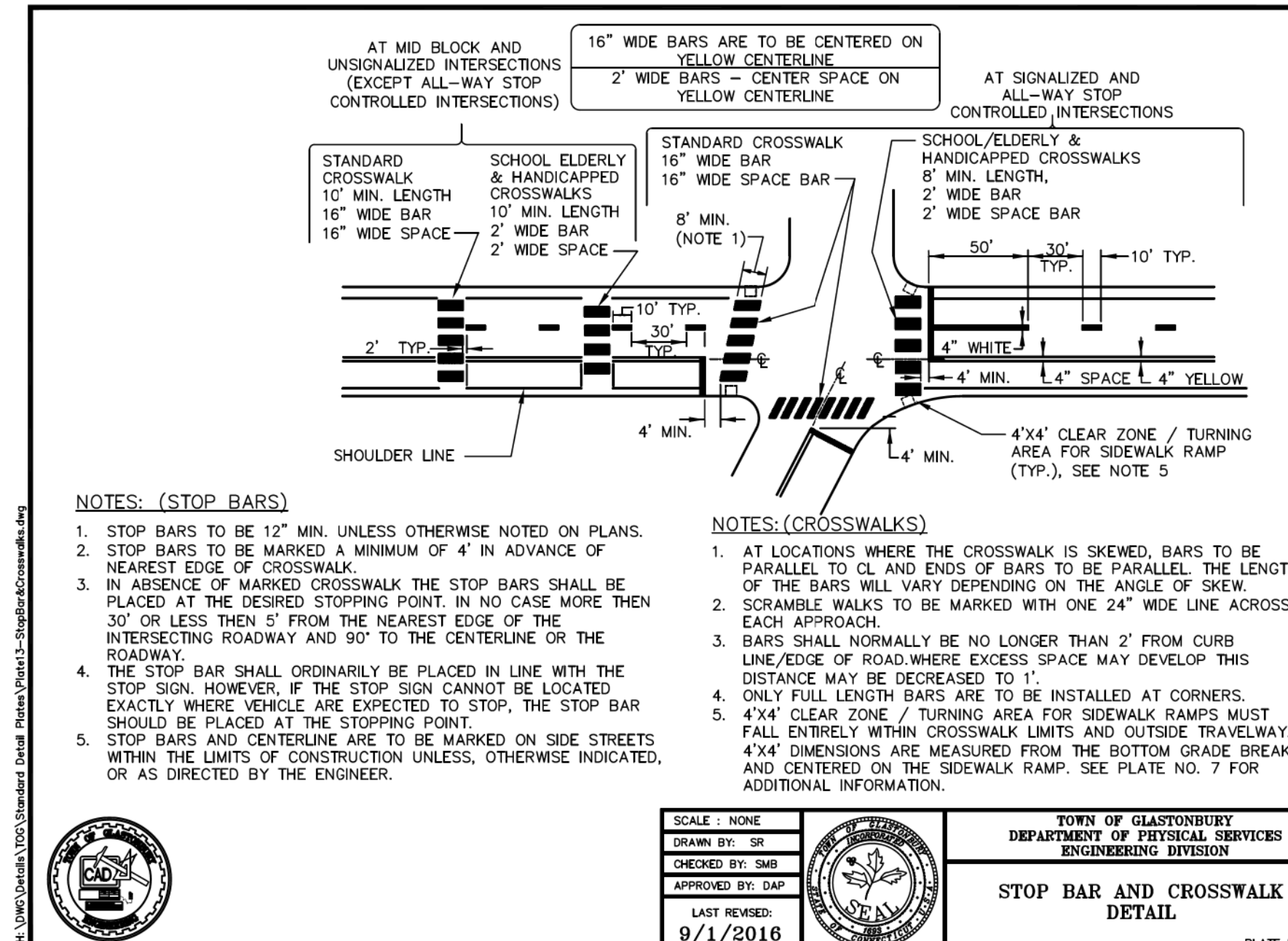
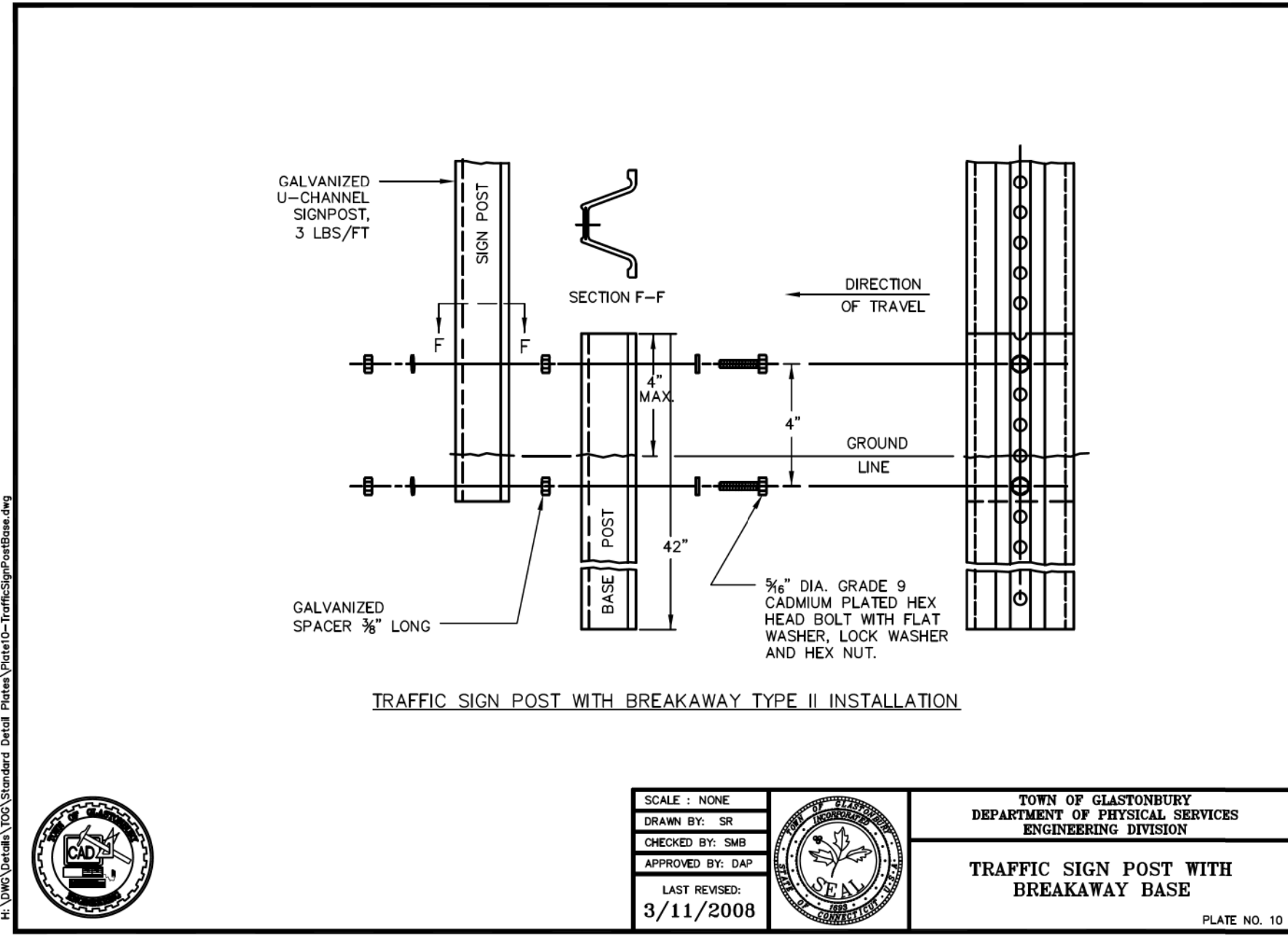
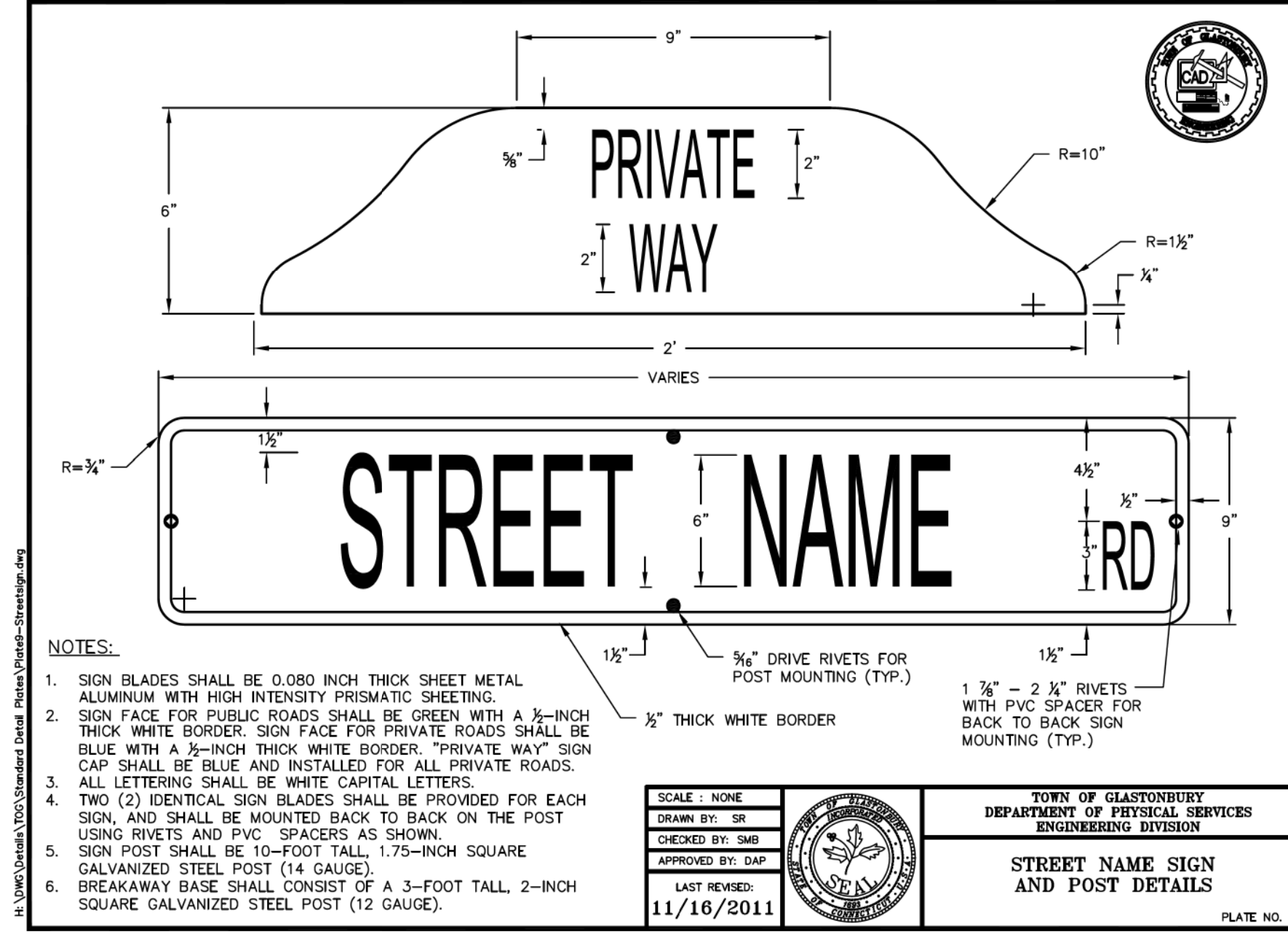
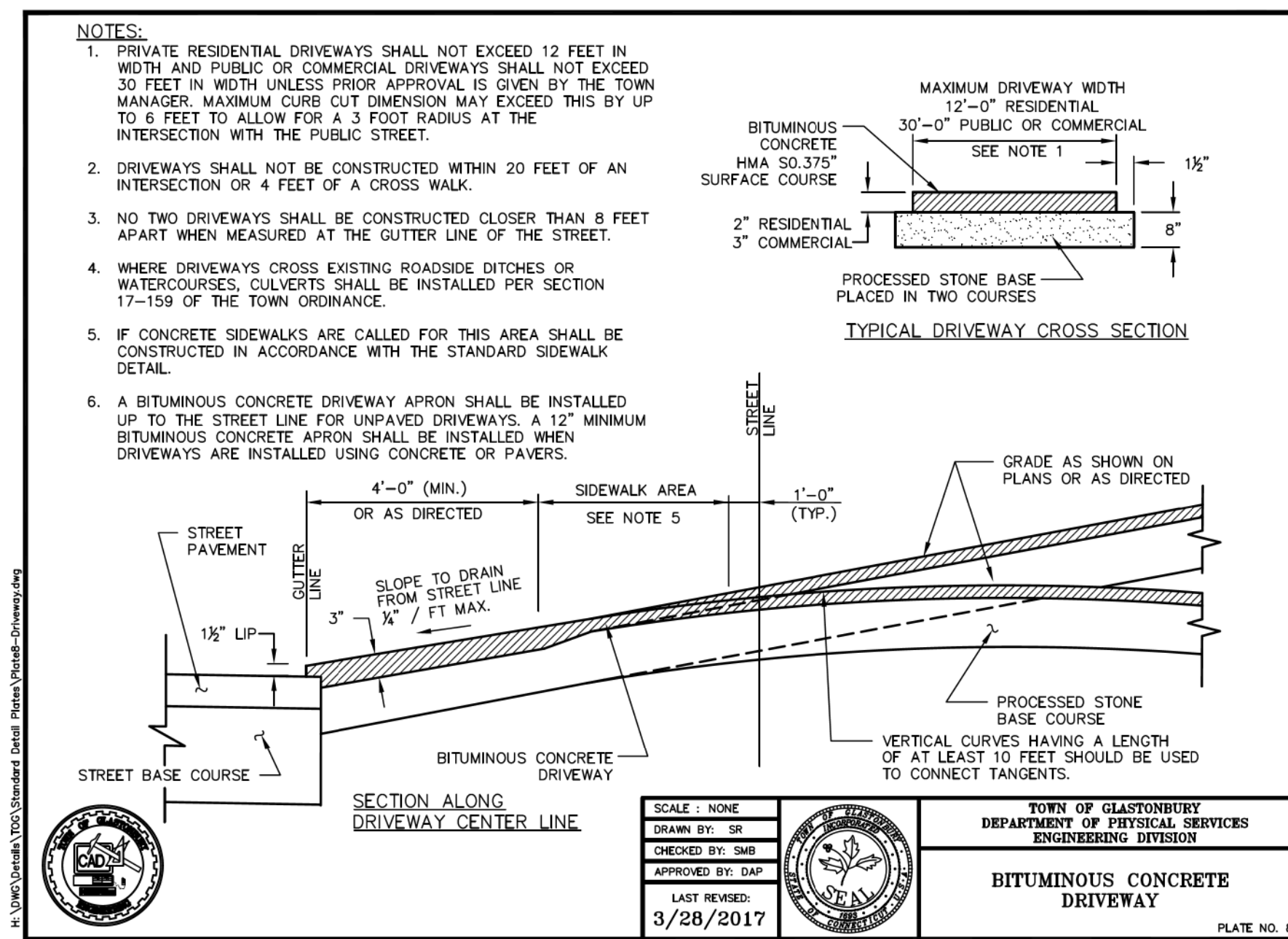
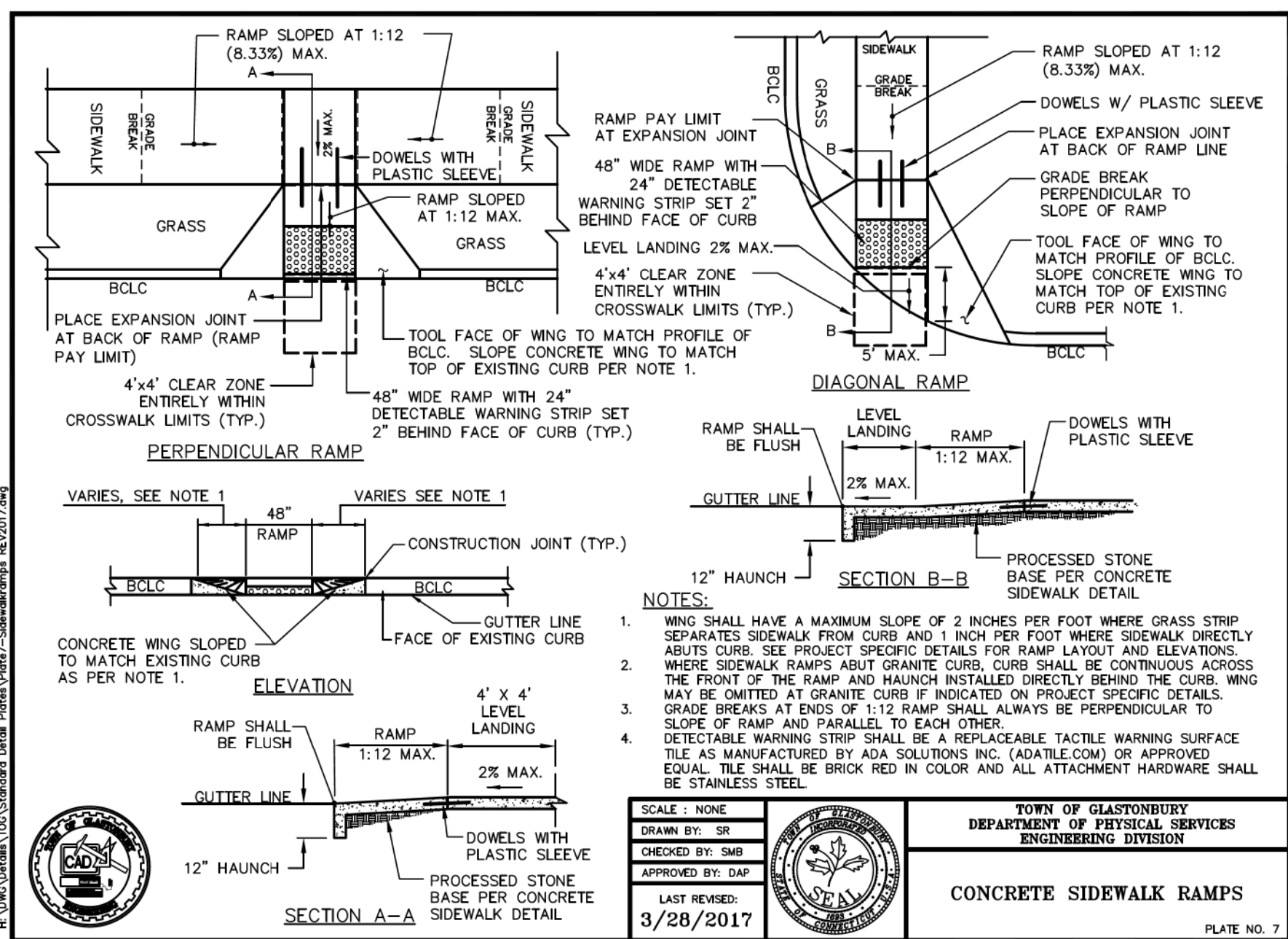
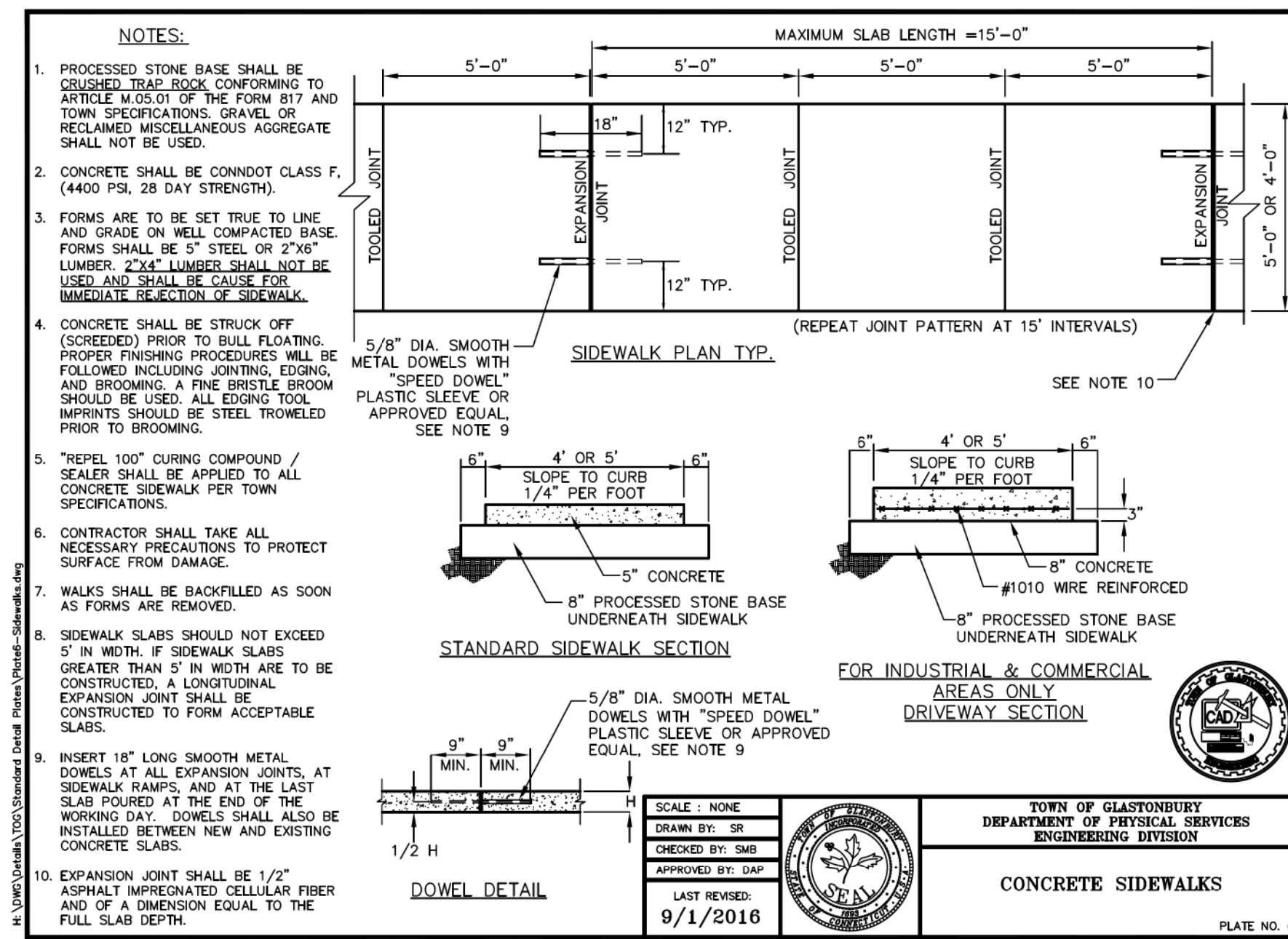
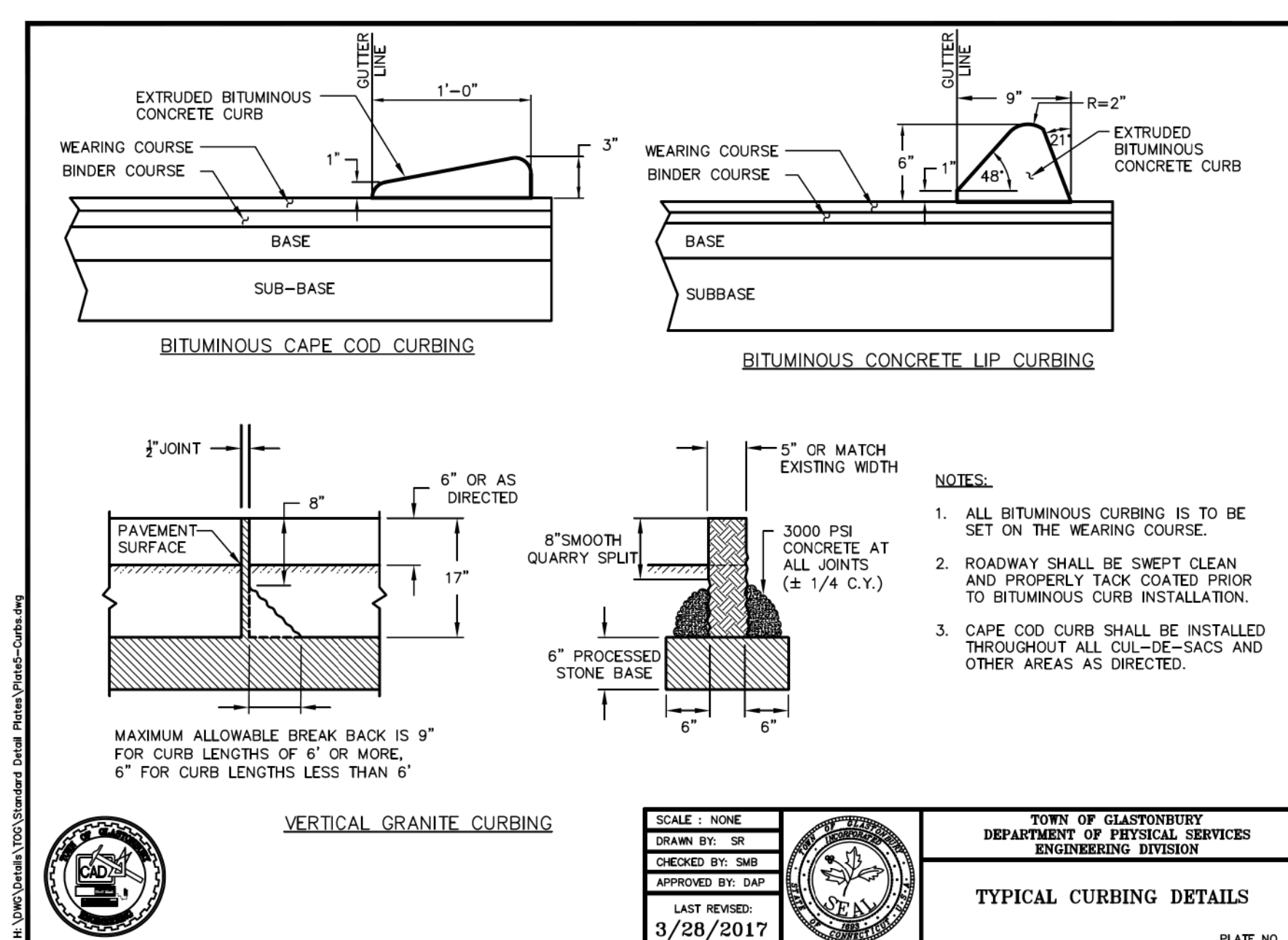
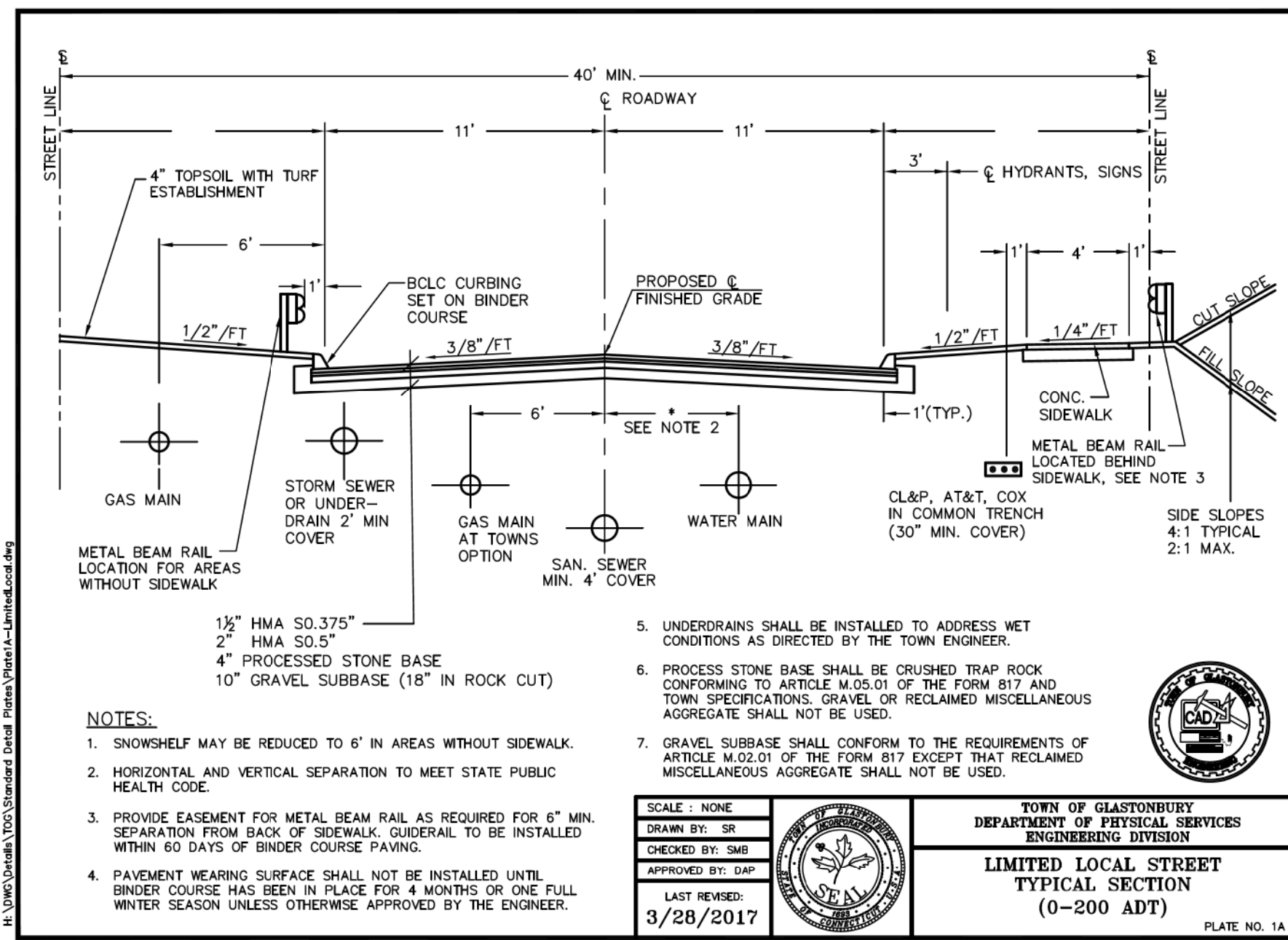


PLAN and ELEVATION views of the Modified Riprap Apron.



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 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		WOLFF ENGINEERING	
REVISIONS: 5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER 5/27/2021 HW/PC SUBMISSION		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: 5/27/2021		SHEET: 13 OF 17	



PROPOSED 7 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT
 DETAILS

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

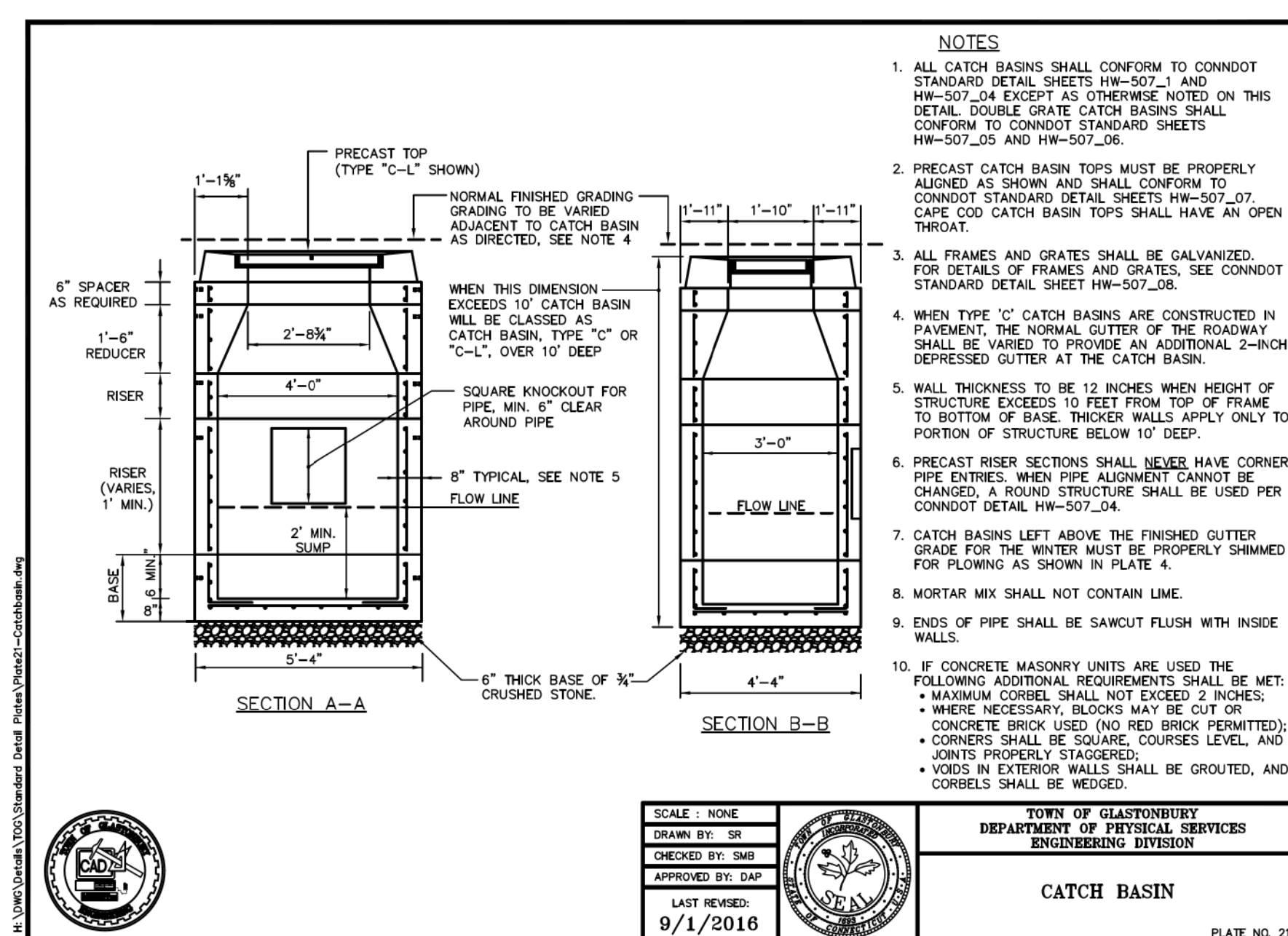
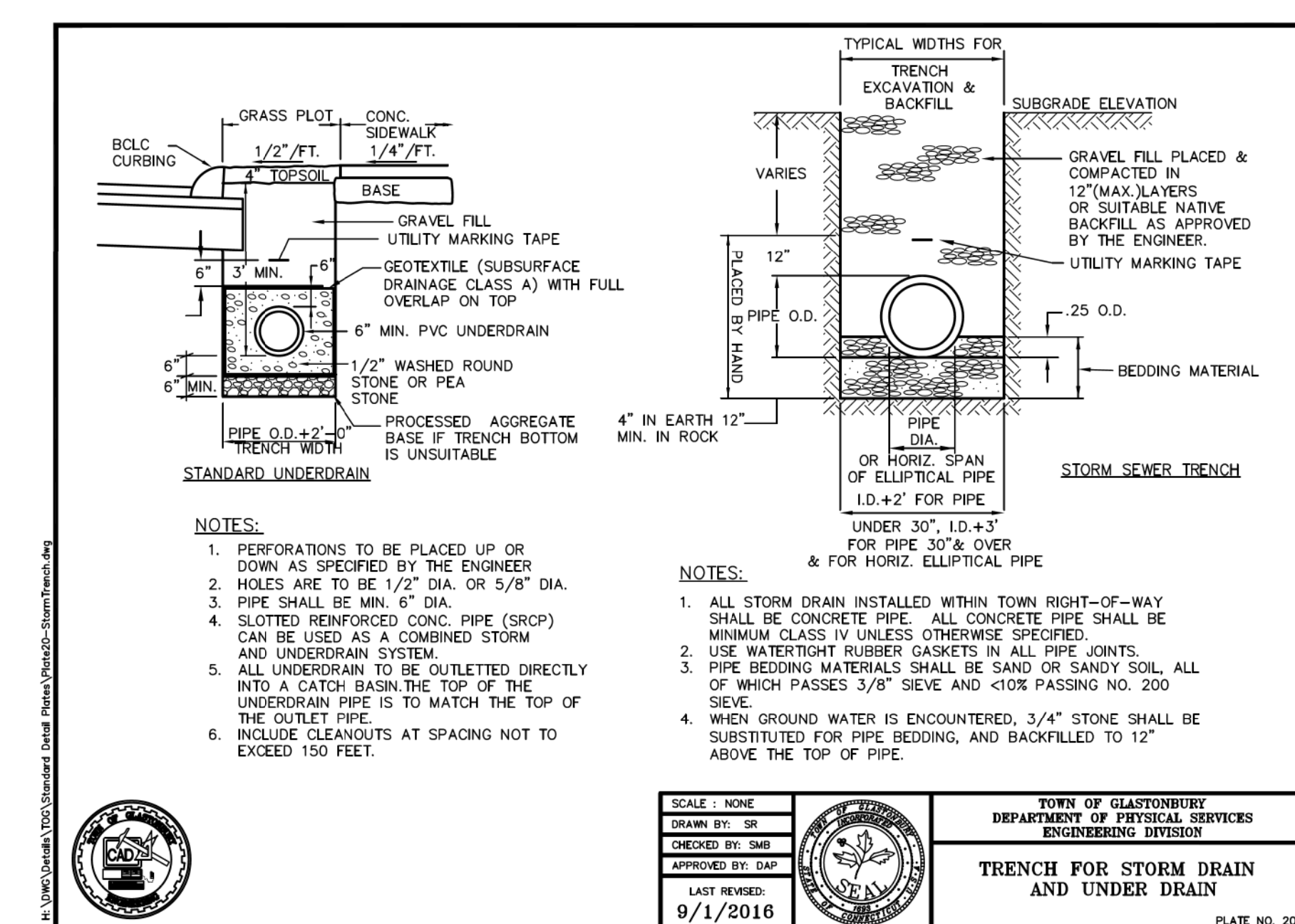
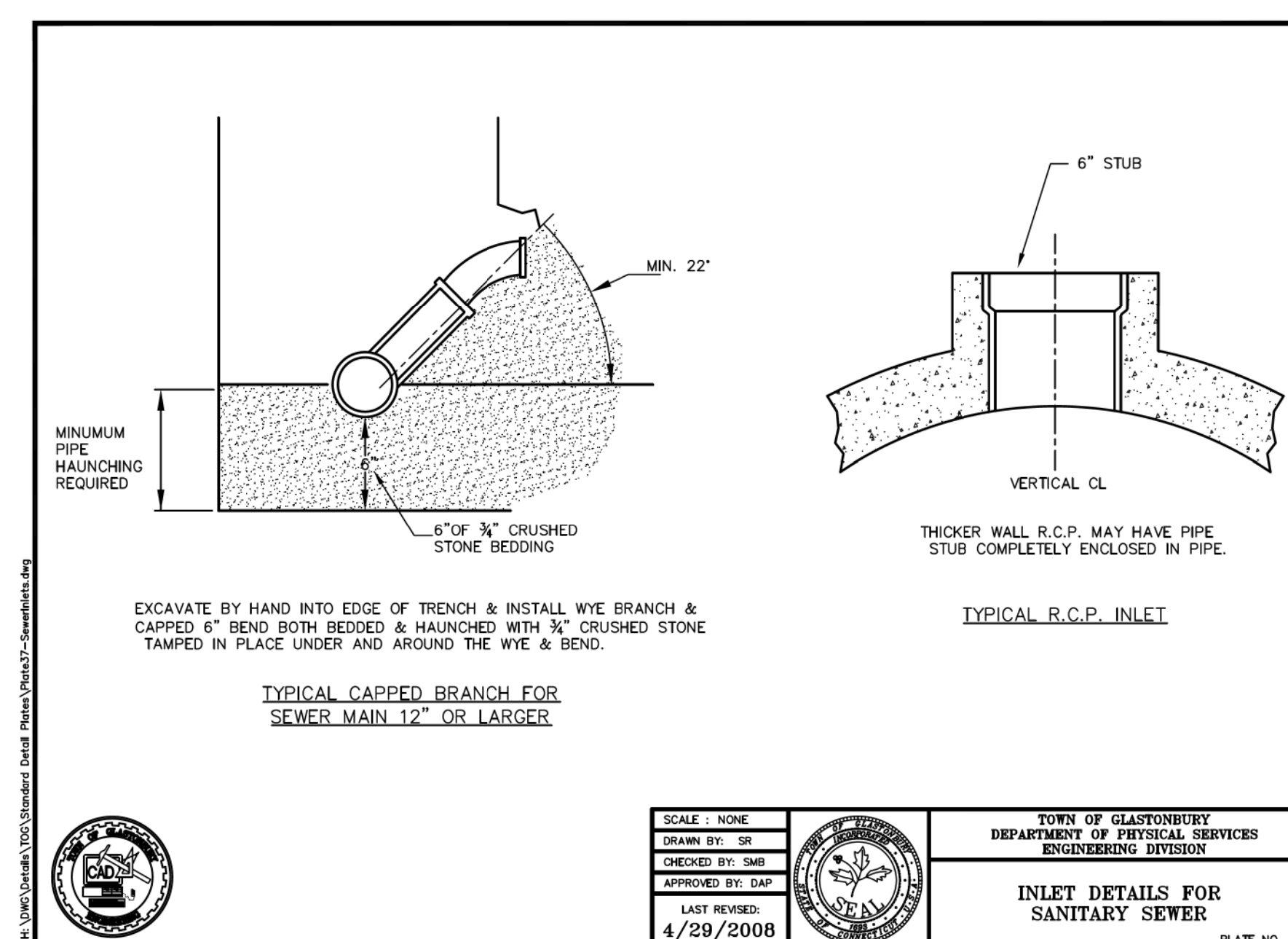
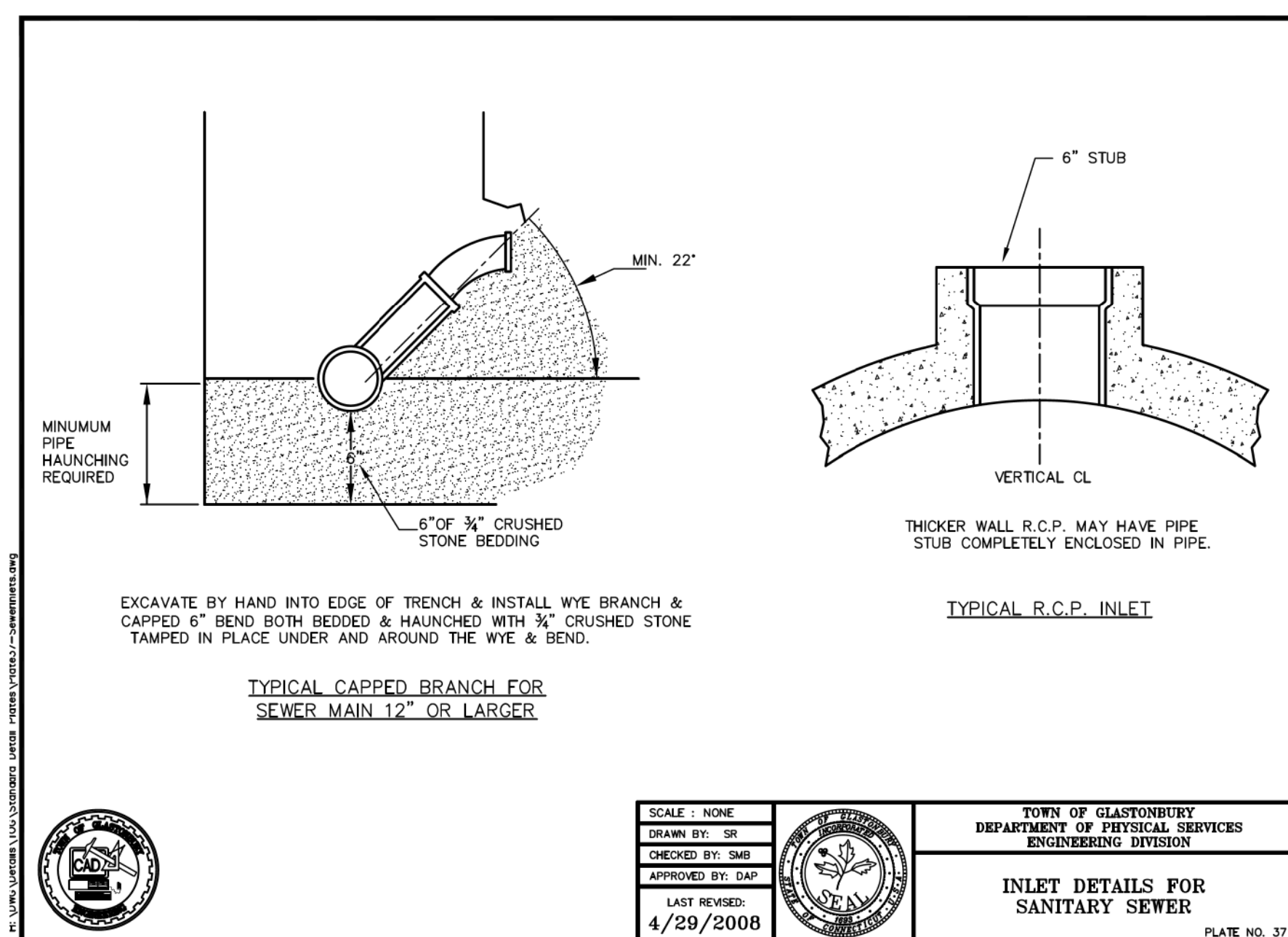
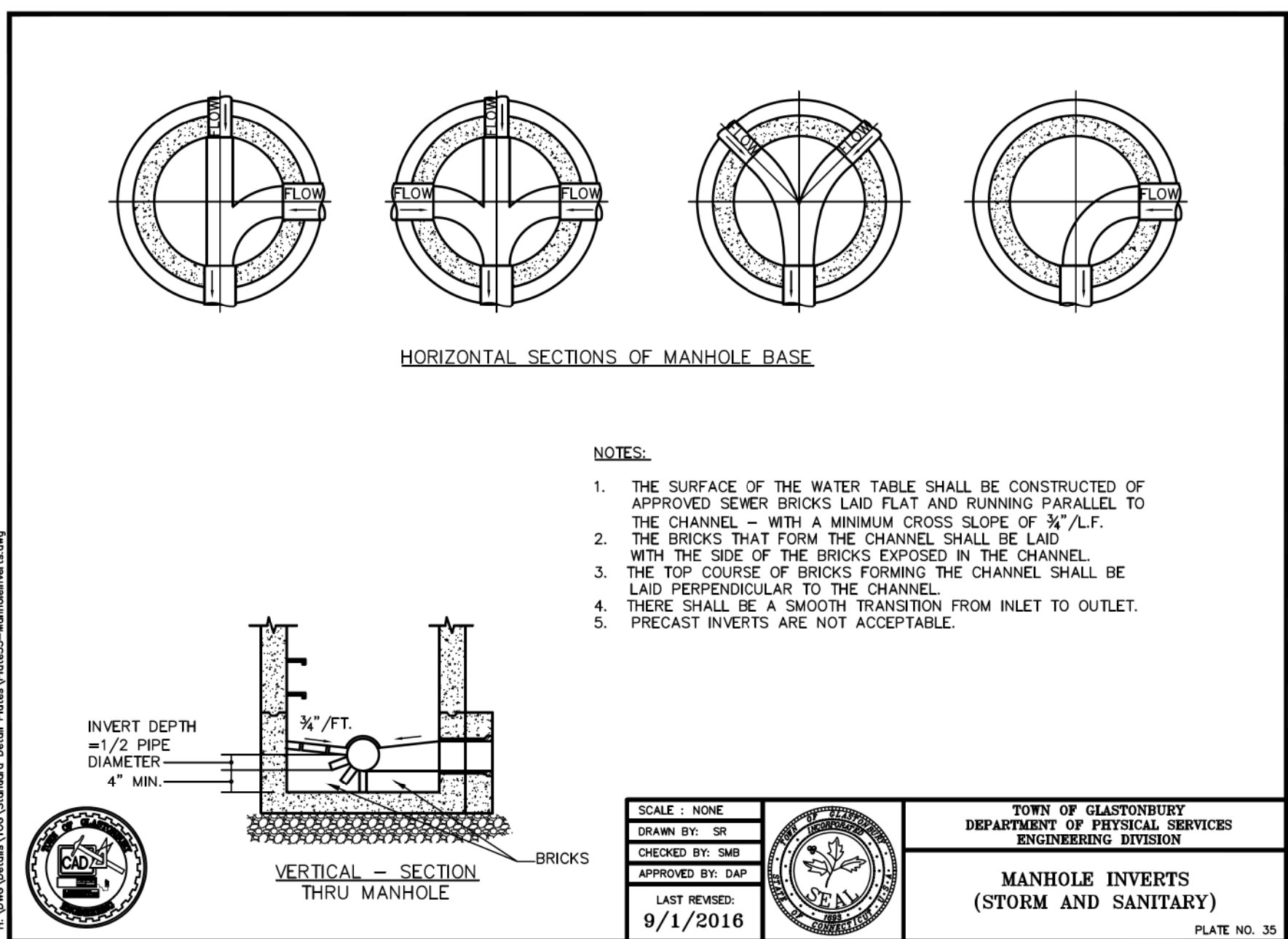
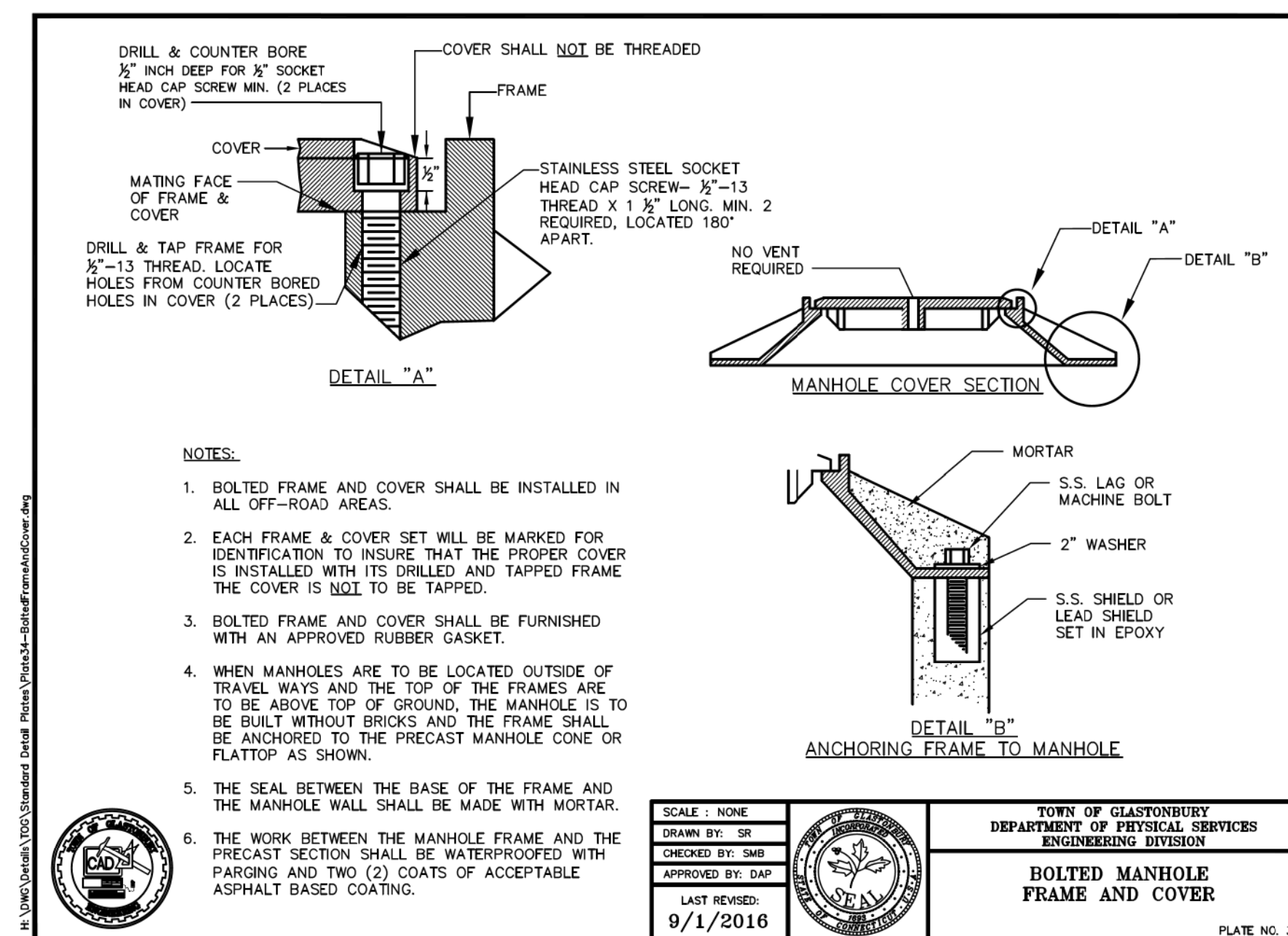
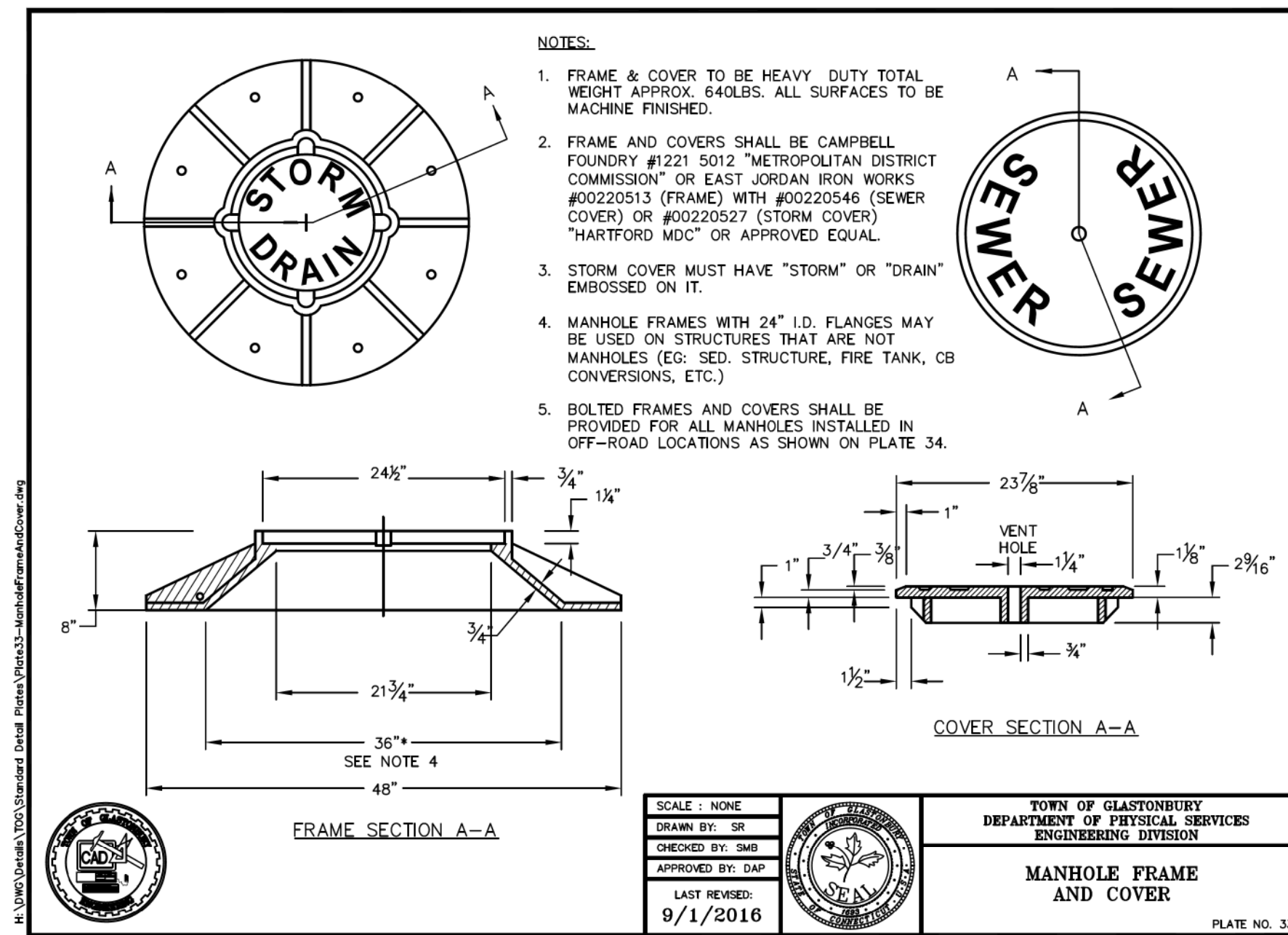
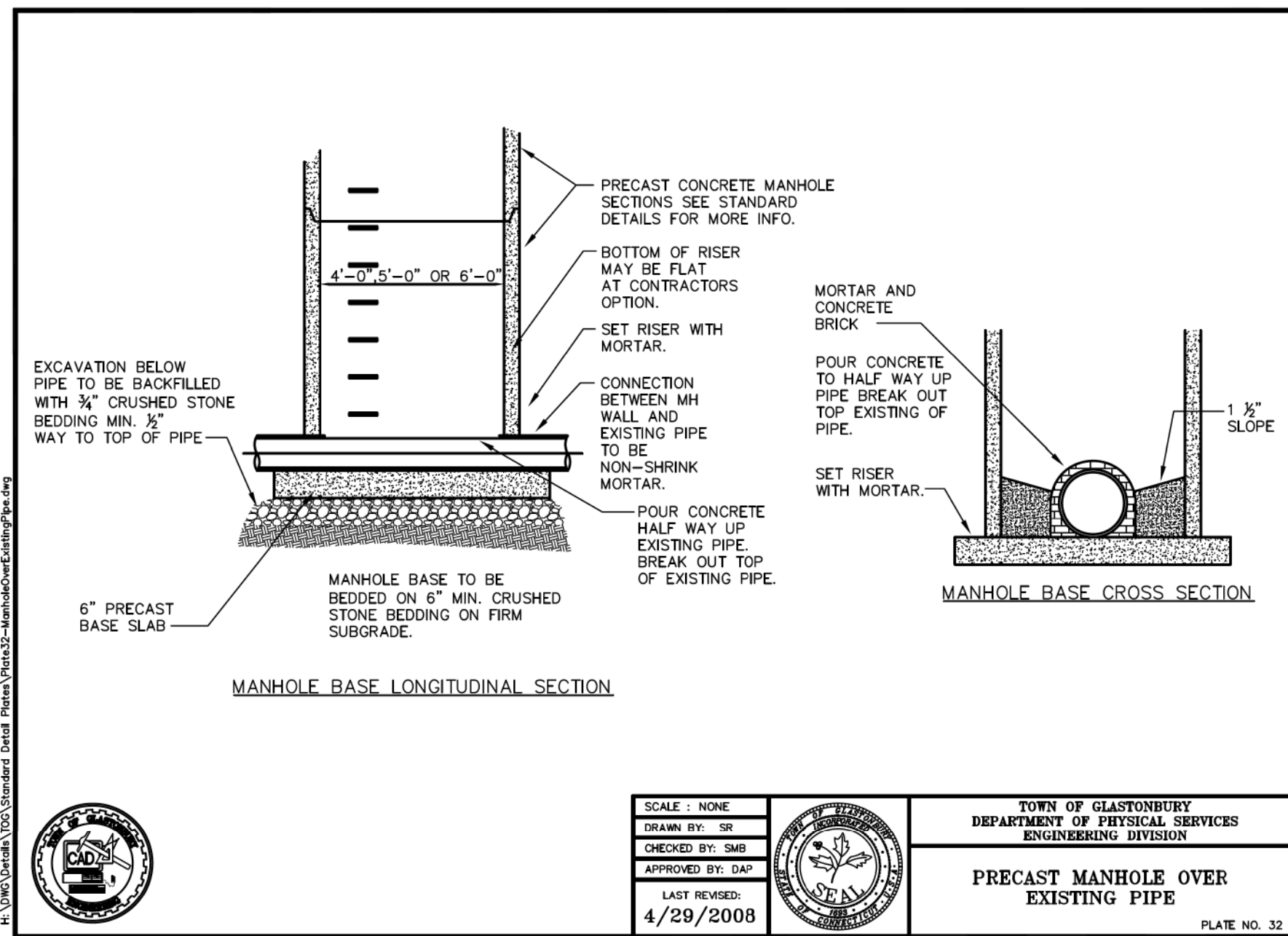
SITE LOCATION:
 1040 MAIN STREET
 ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
 GLASTONBURY, CT

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
 5/21/2021 HW/PC SUBMISSION

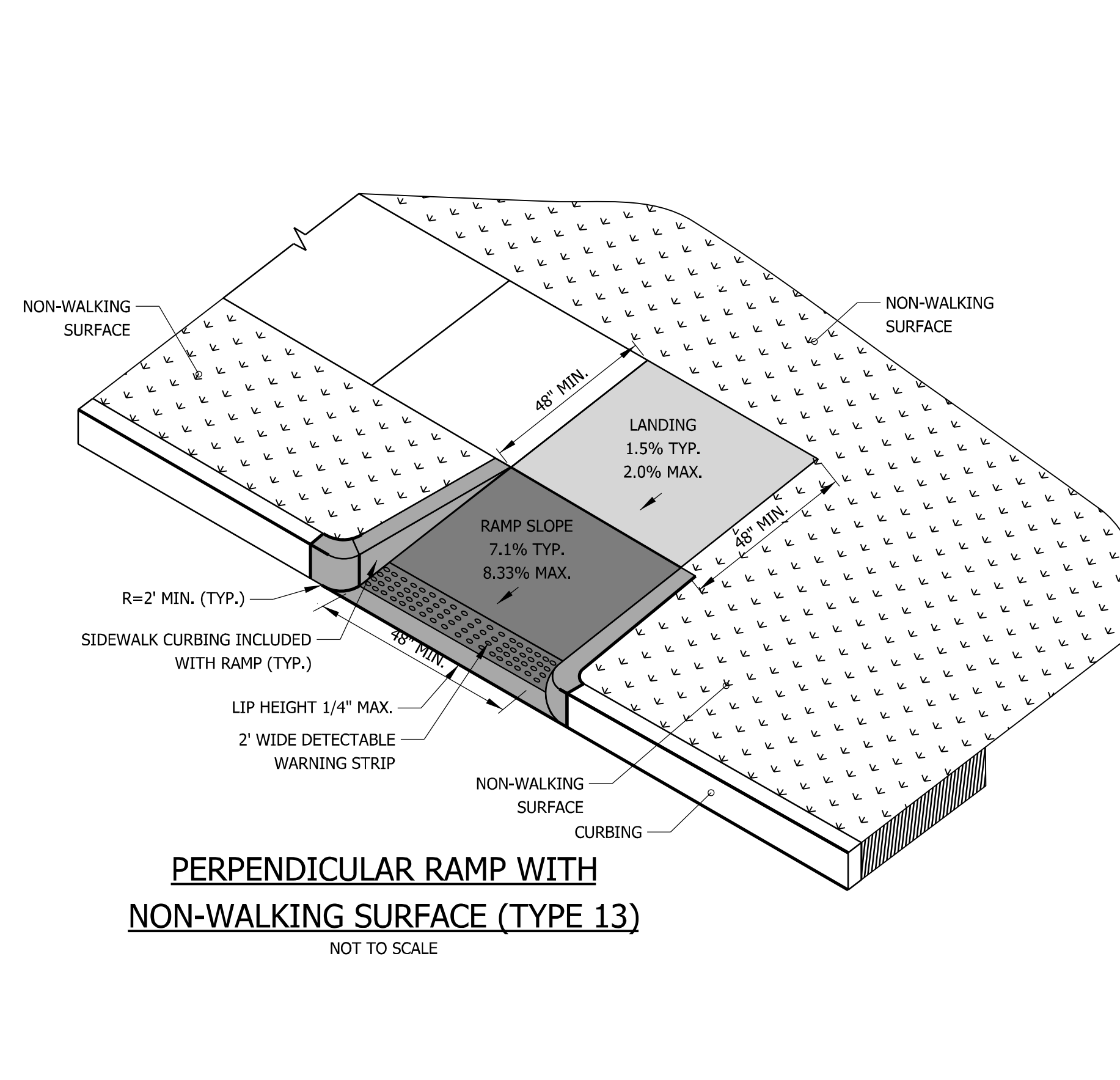
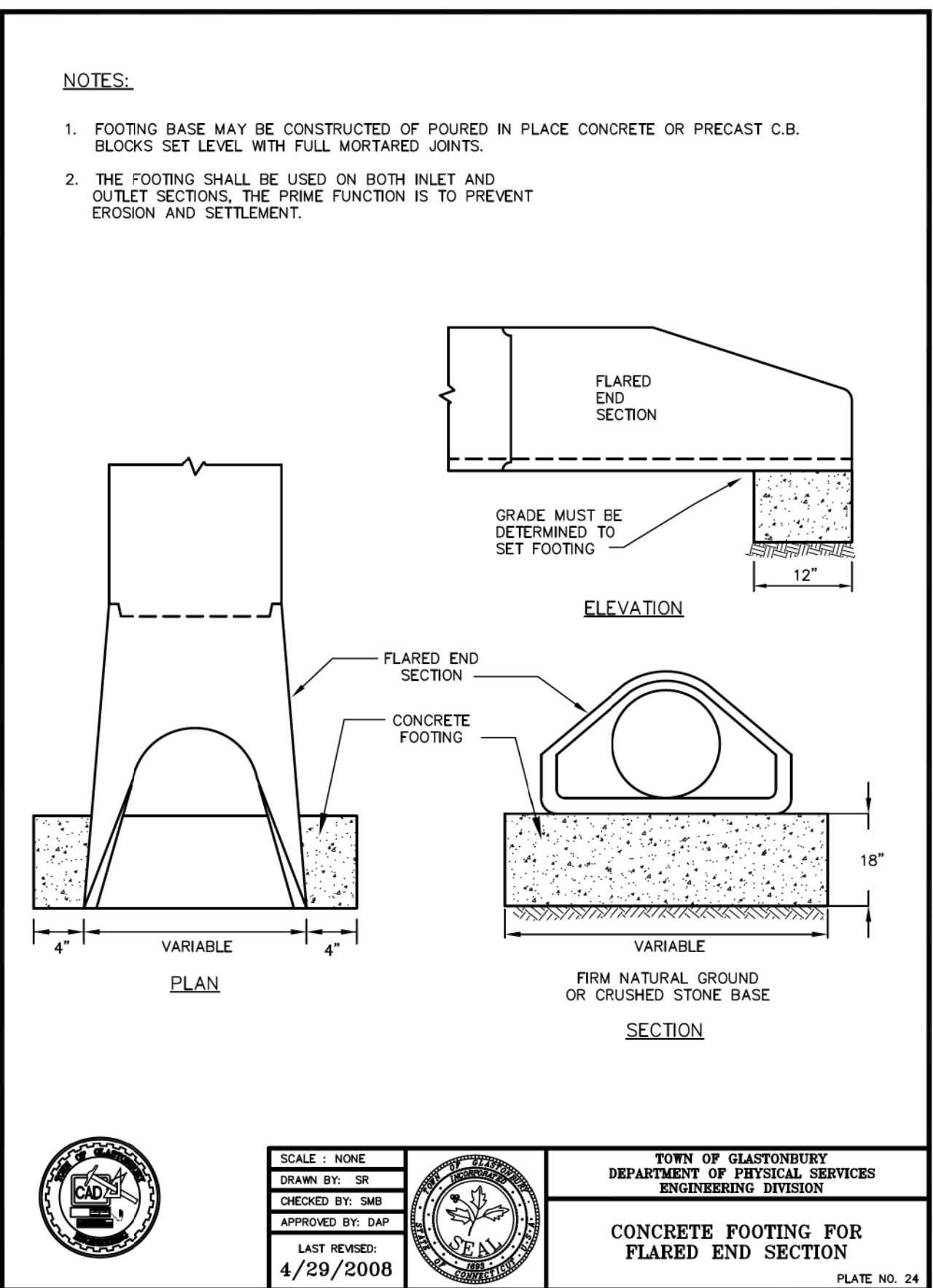
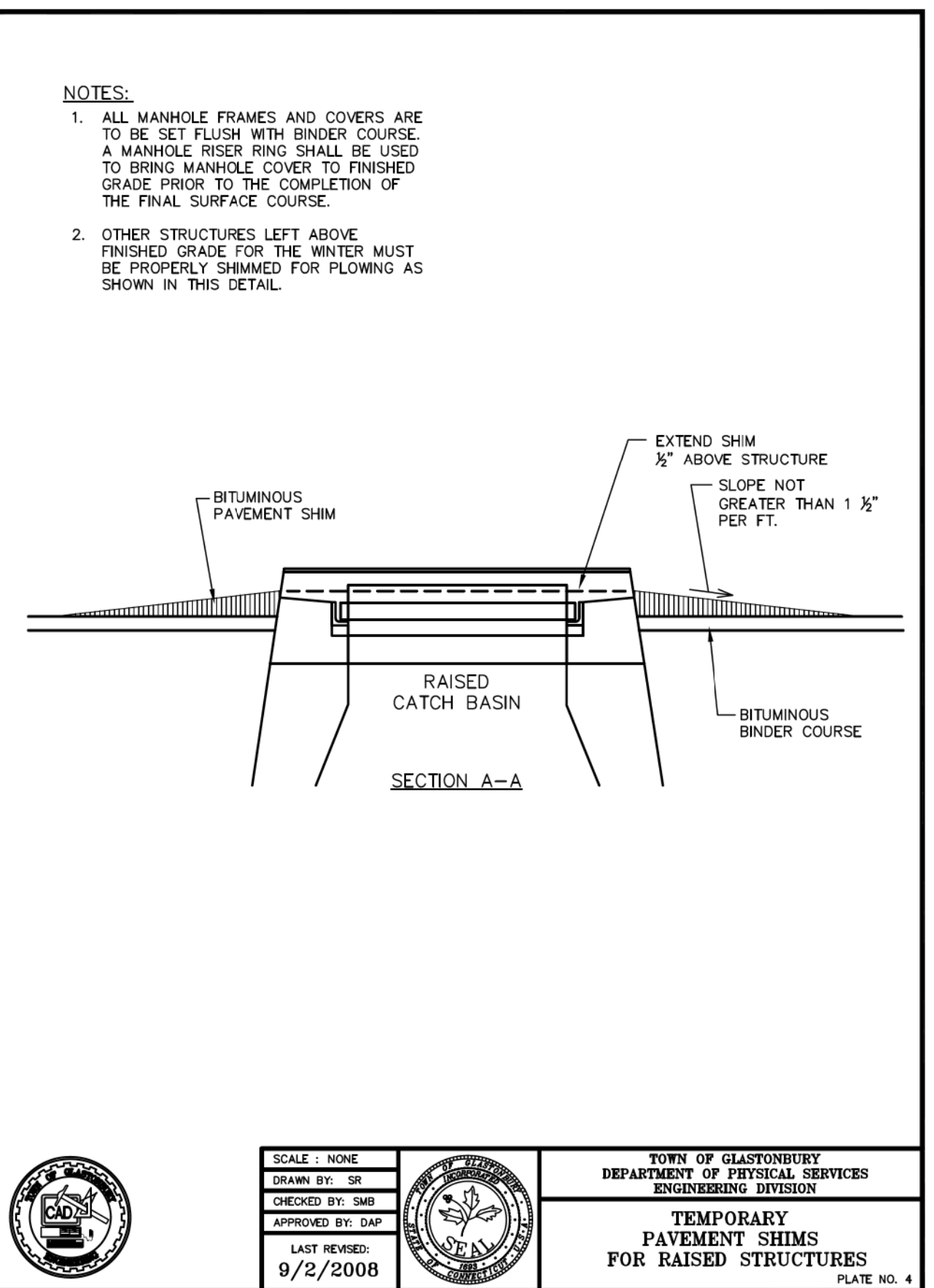
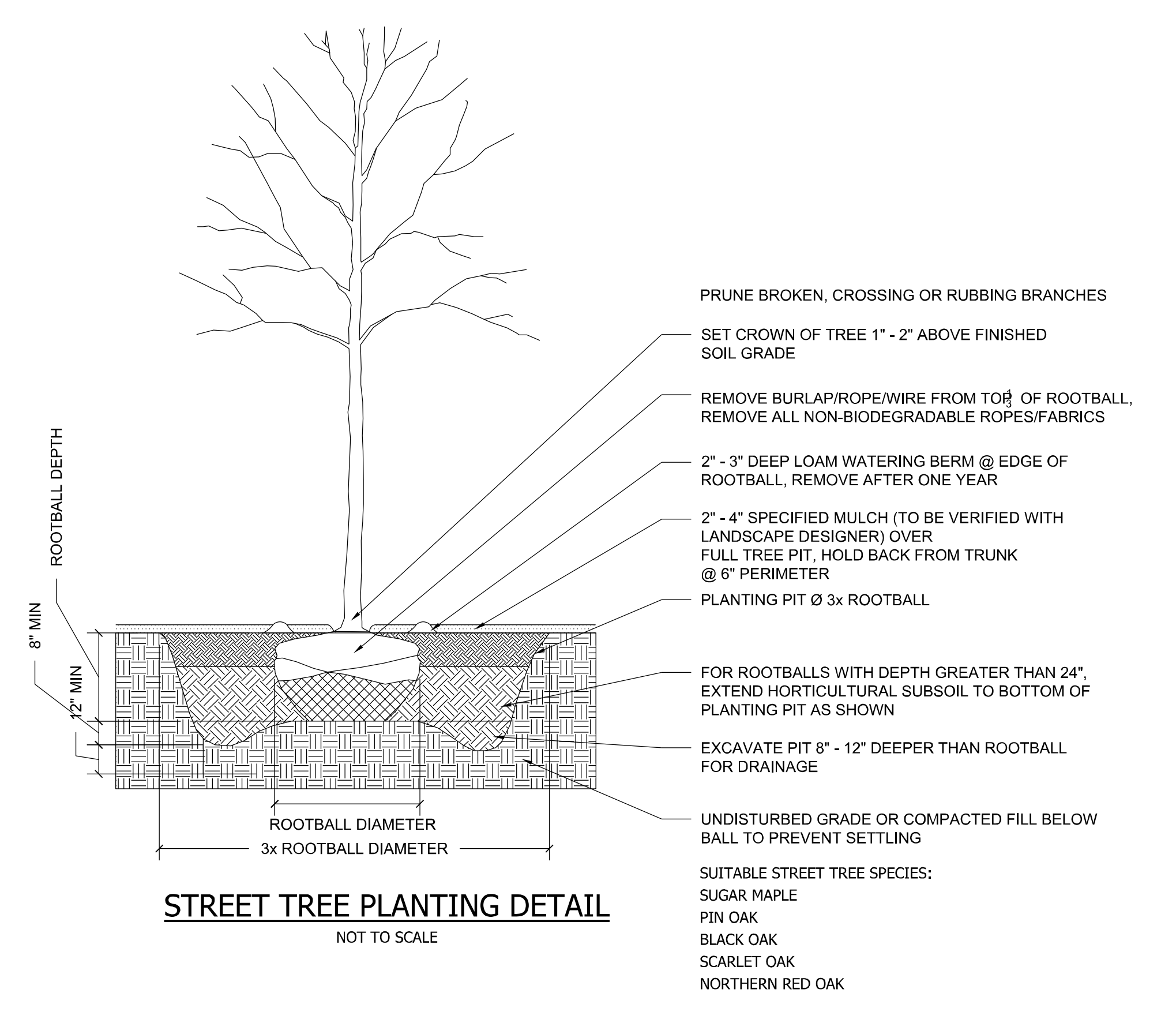
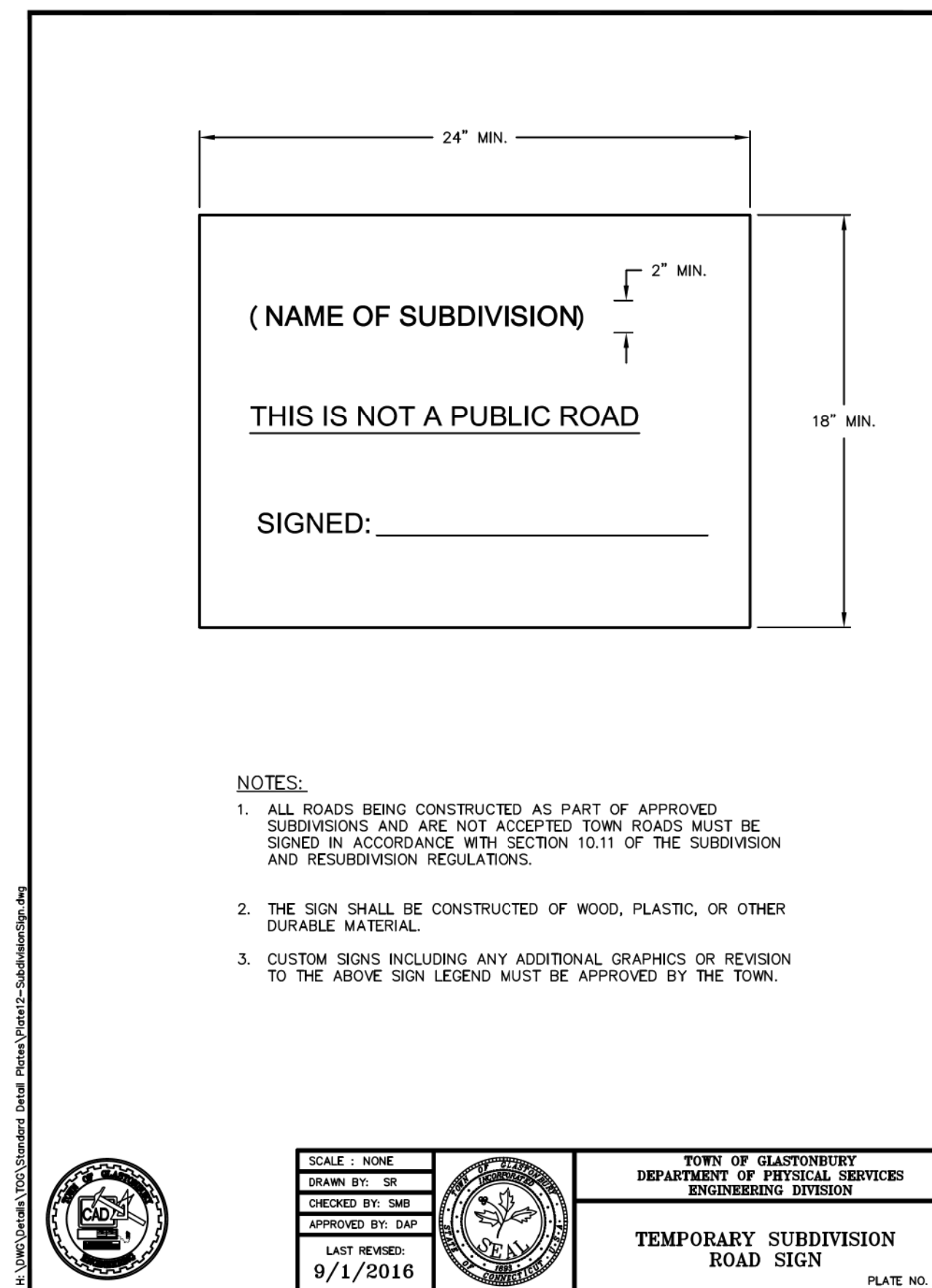
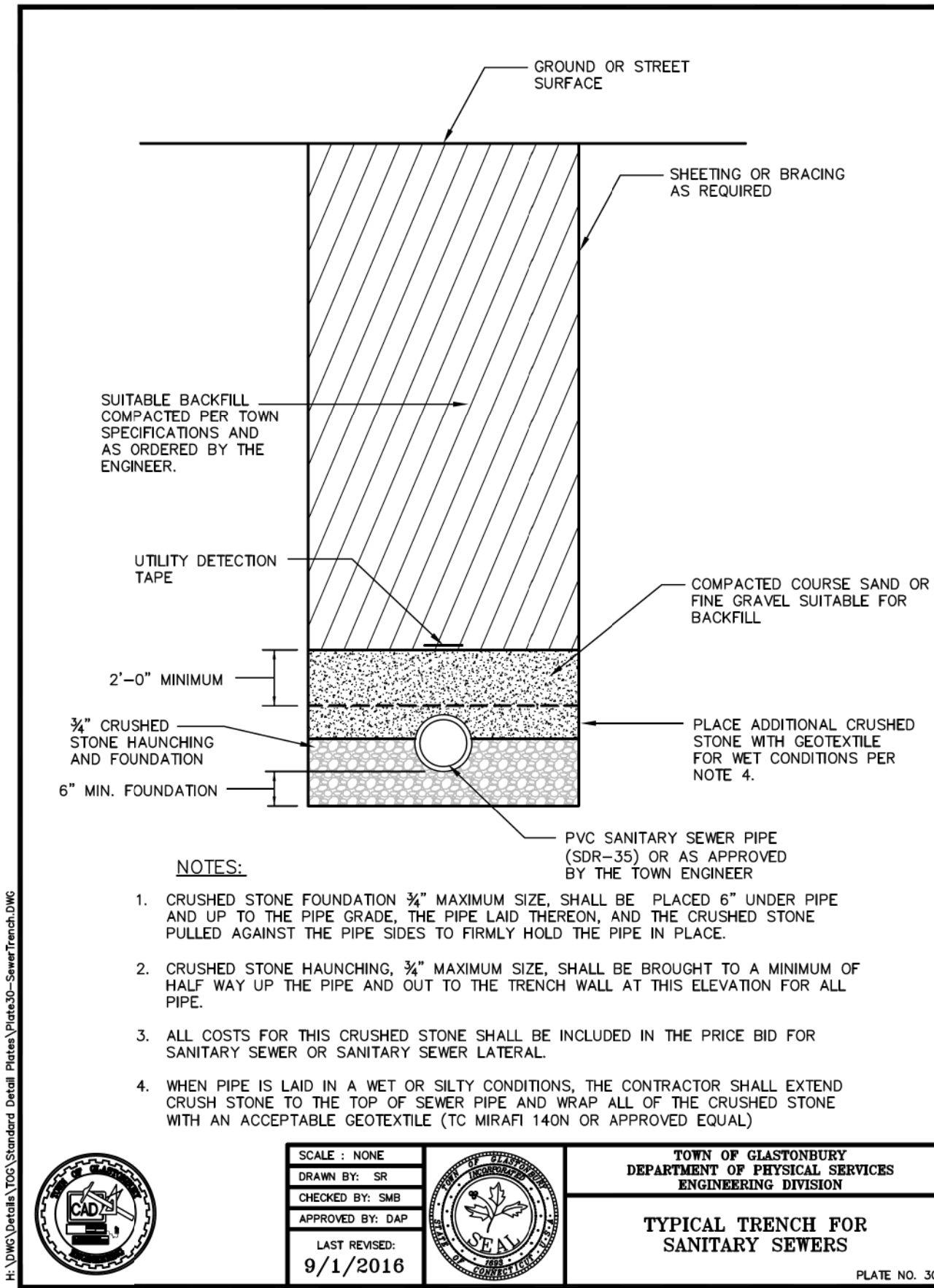
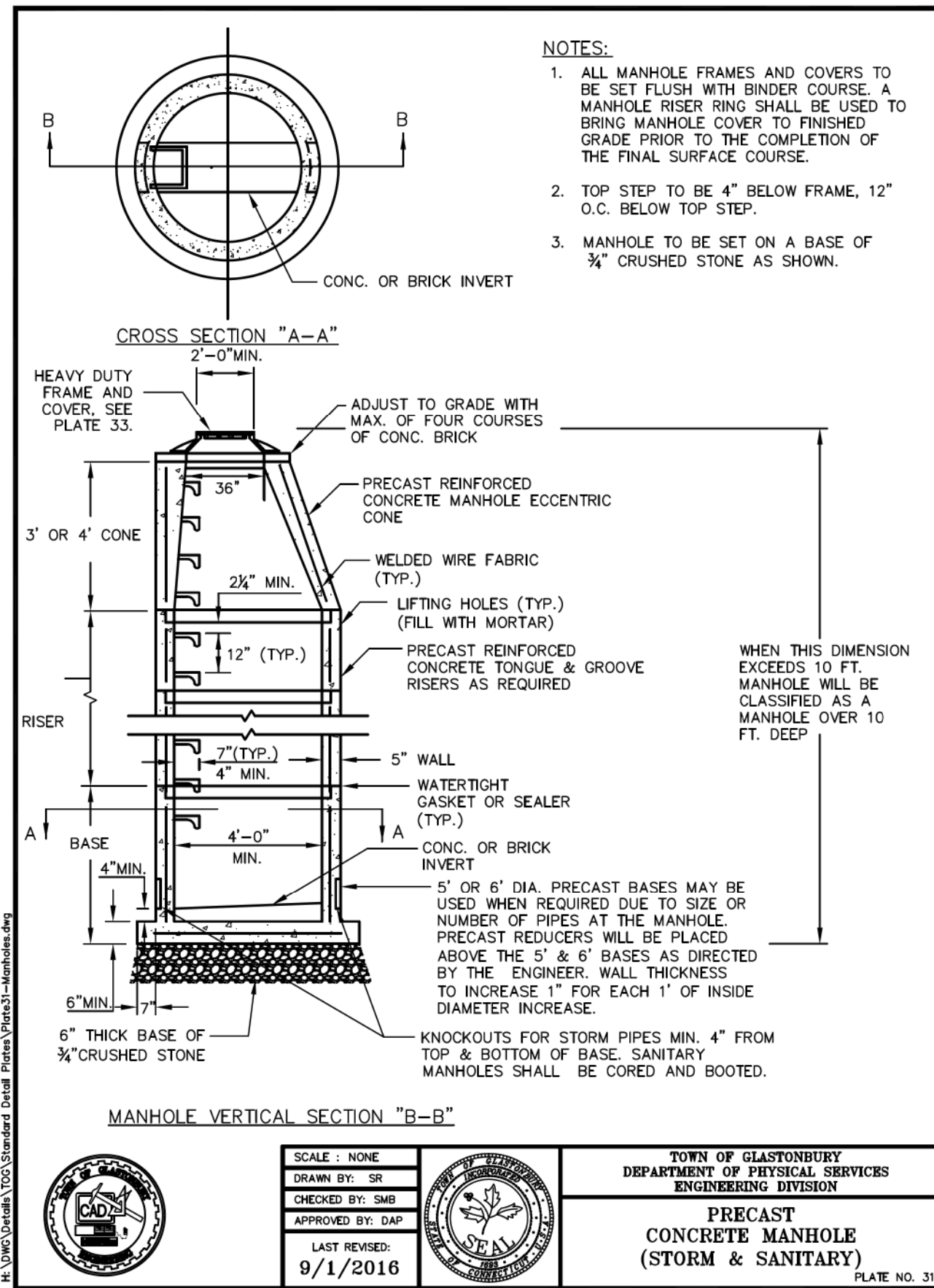
DATE: 4/15/2021
DRAWN BY: R.P.W.
CHECKED BY: R.P.W.
FILE:
FIELD BOOK: R.P.W.
SCALE: AS NOTED
SHEET: 14 OF 17

STATE OF CONNECTICUT
 REGISTERED PROFESSIONAL ENGINEER
 ROYAL P. WOLFF
 No. 19988
 LICENSED PROFESSIONAL ENGINEER



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 HW-ATCC SUBMISSION	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 17



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
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REVISIONS:
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 5/27/2021 HW/OC SUBMISSION

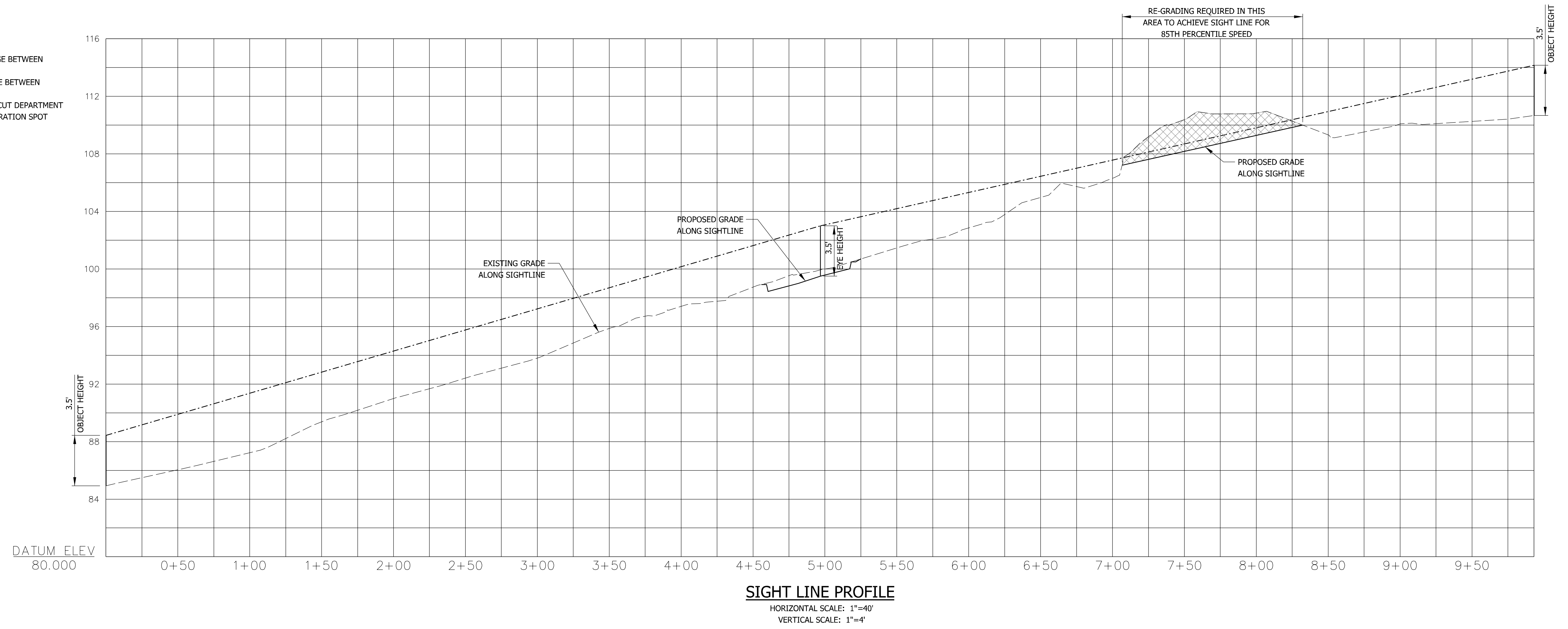
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DRAWN BY: R.P.W.
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FIELD BOOK: R.P.W.
SCALE: AS NOTED
SHEET: 16 OF 17

PLOT DATE: 5/27/2021

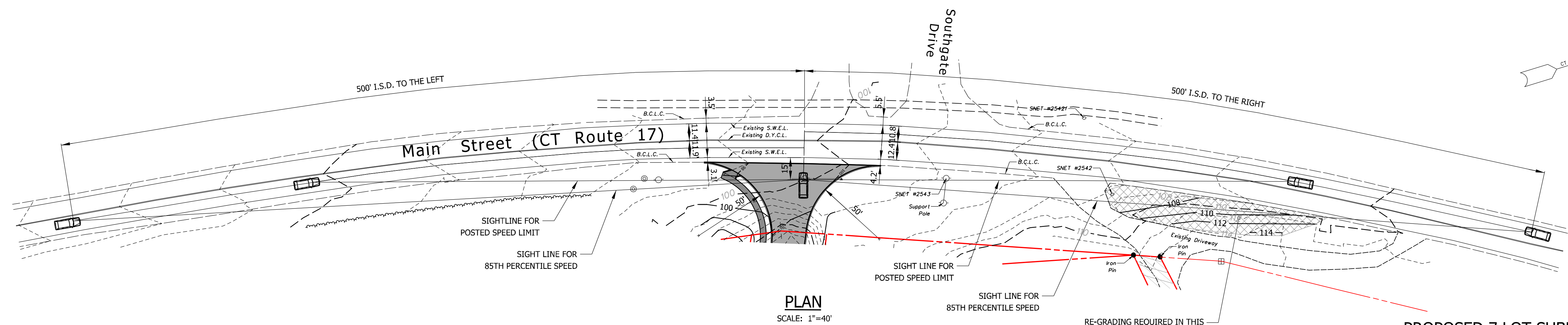
STATE OF CONNECTICUT
 ROYAL P. WOLFF
 PROFESSIONAL ENGINEER
 LICENSE NO. 10088
 EXPIRES 12/31/2024

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

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
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REVISIONS:	DATE: 4/15/2021
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER	DRAWN BY: R.P.W.
5/27/2021 HW/CC SUBMISSION	CHECKED BY: R.P.W.
	FILE:
	FIELD BOOK: R.P.W.
	SCALE: AS NOTED
PLOT DATE: 5/27/2021	SHEET: 17 OF 17

