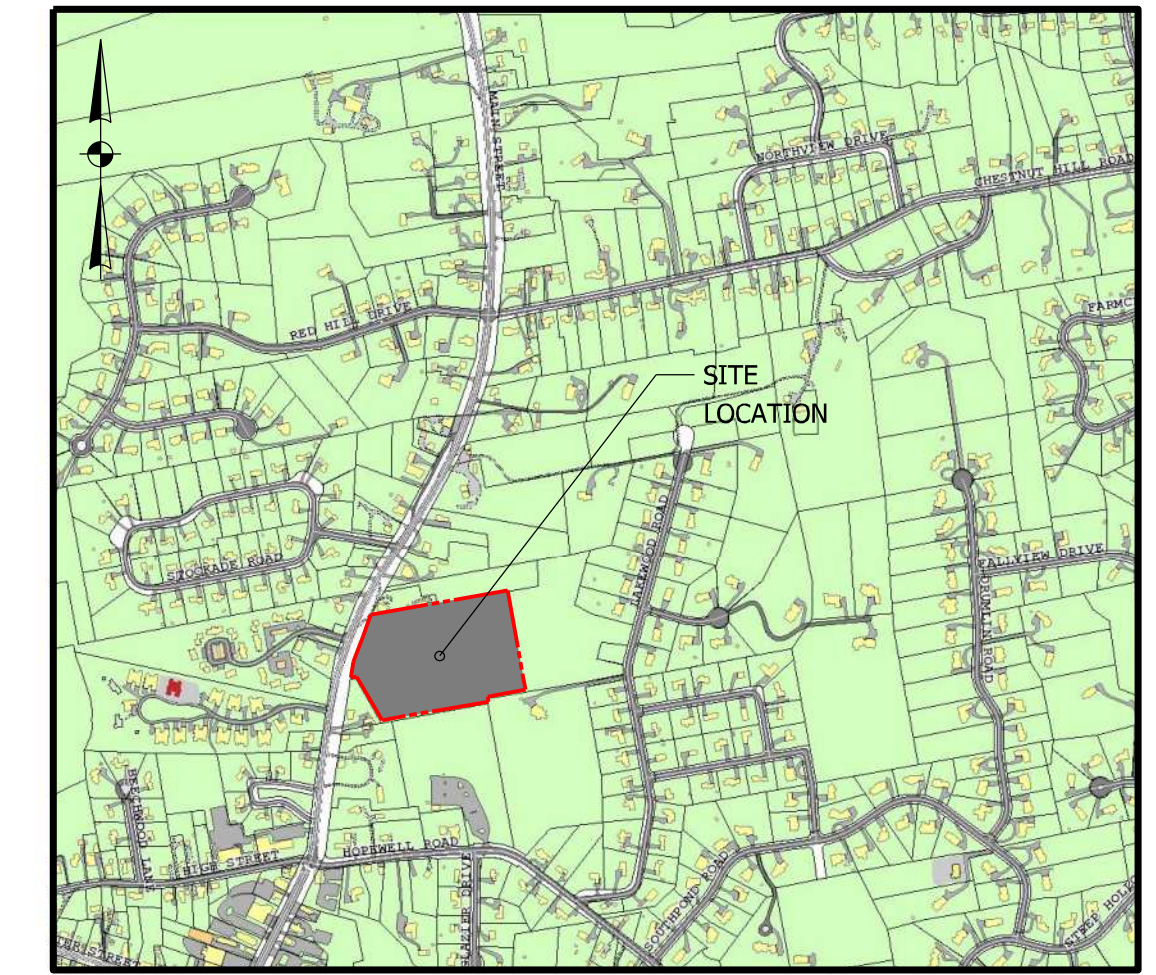


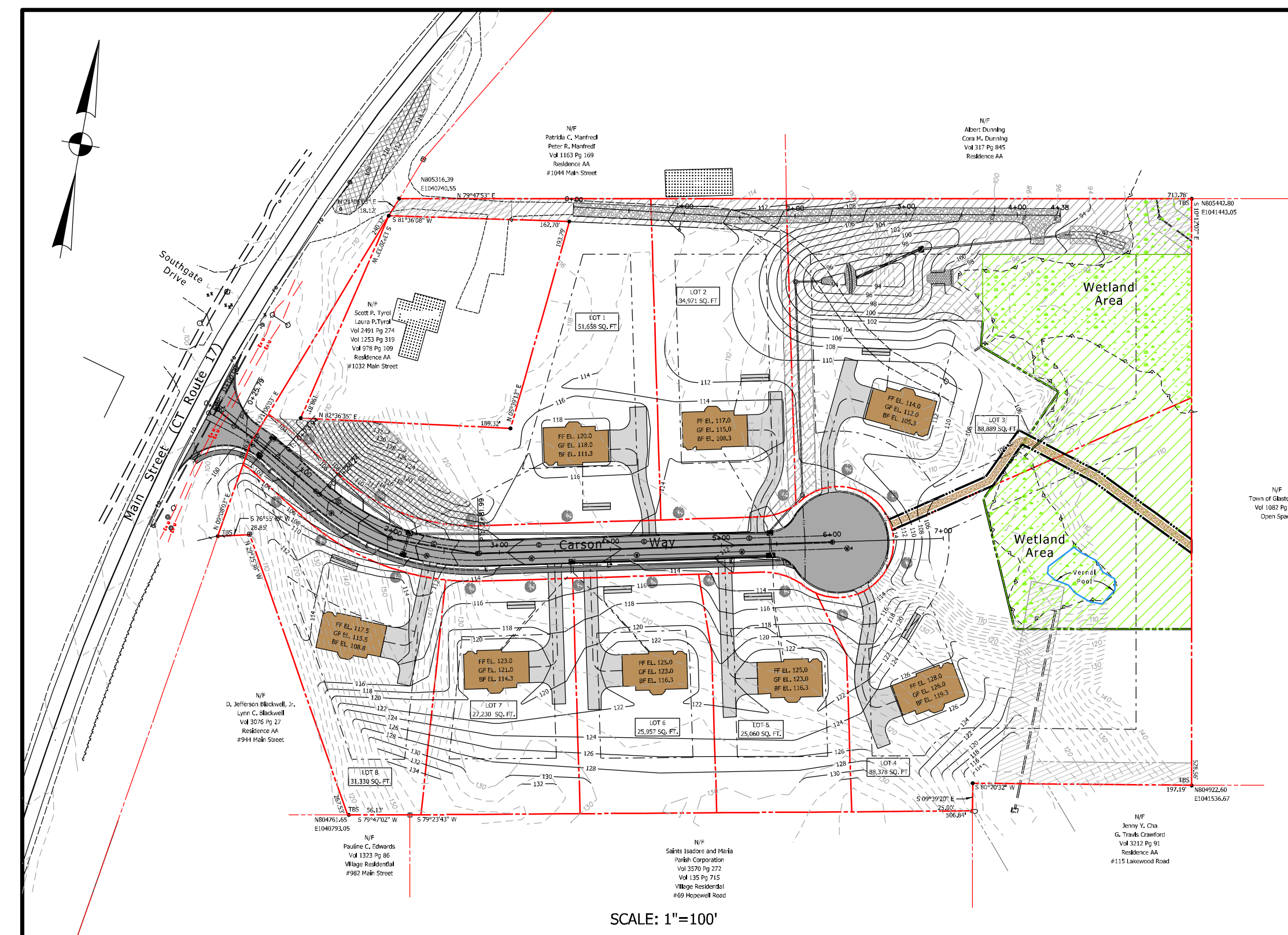
GENERAL NOTES

- 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 8 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

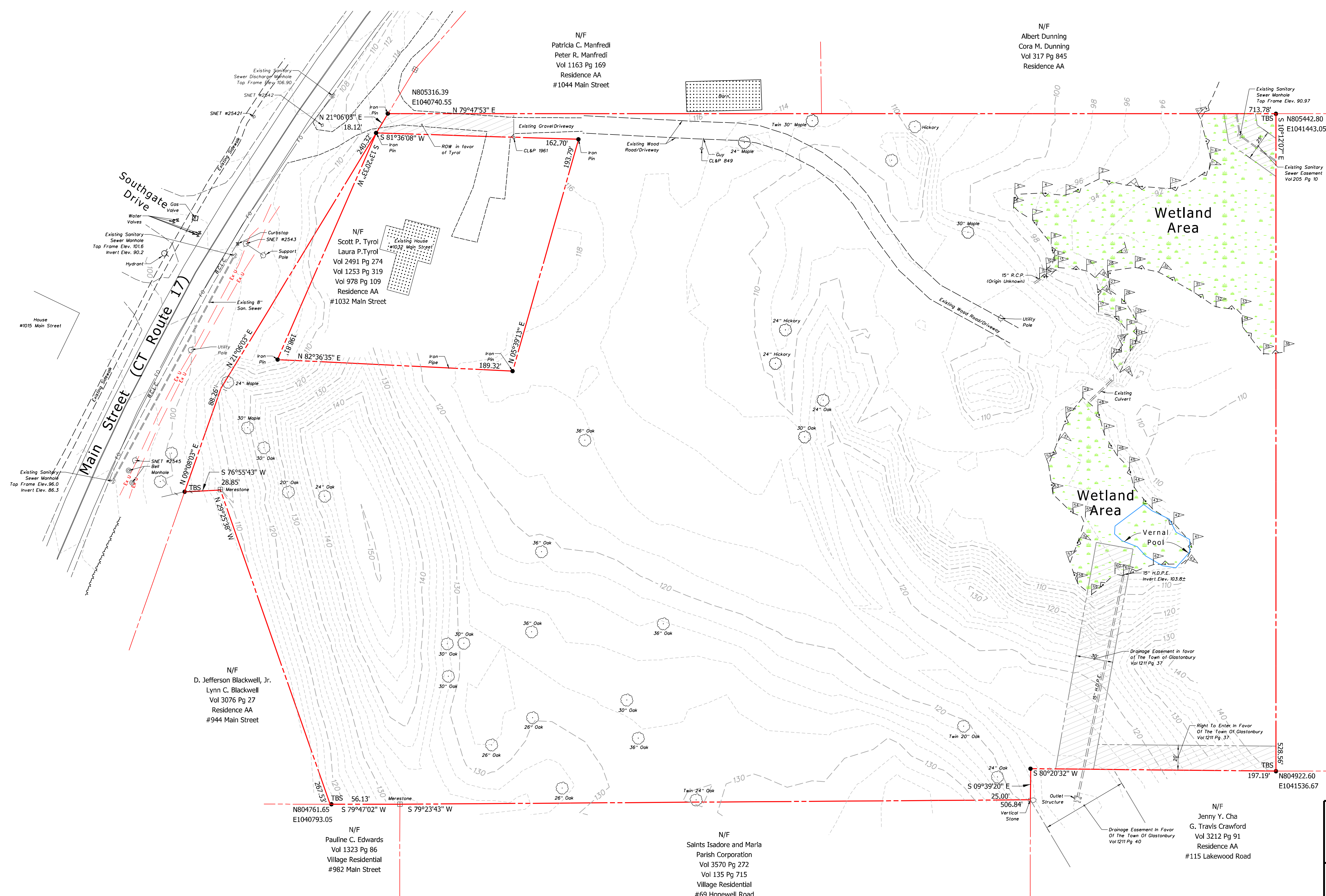
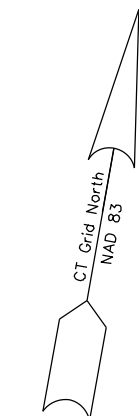
Informal IWWA/CC Submission 5/04/2021



CIVIL ENGINEERS
CORNERSTONE PROFESSIONAL PARK, SUITE C101
39 SHERMAN HILL ROAD
WOODBURY, CONNECTICUT 06798
TEL.: 203.263.7447 FAX.: 203.263.0060
May 4, 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 (NOT INCLUDED WITH THIS SUBMISSION)
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 8 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	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: 5/4/2021	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'

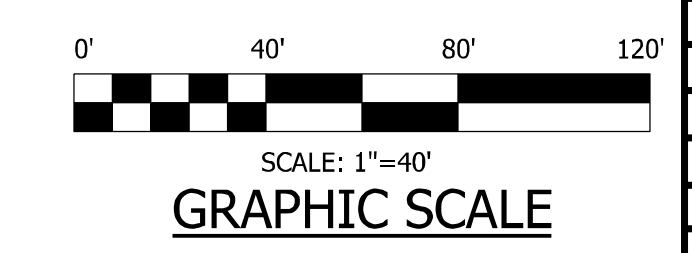
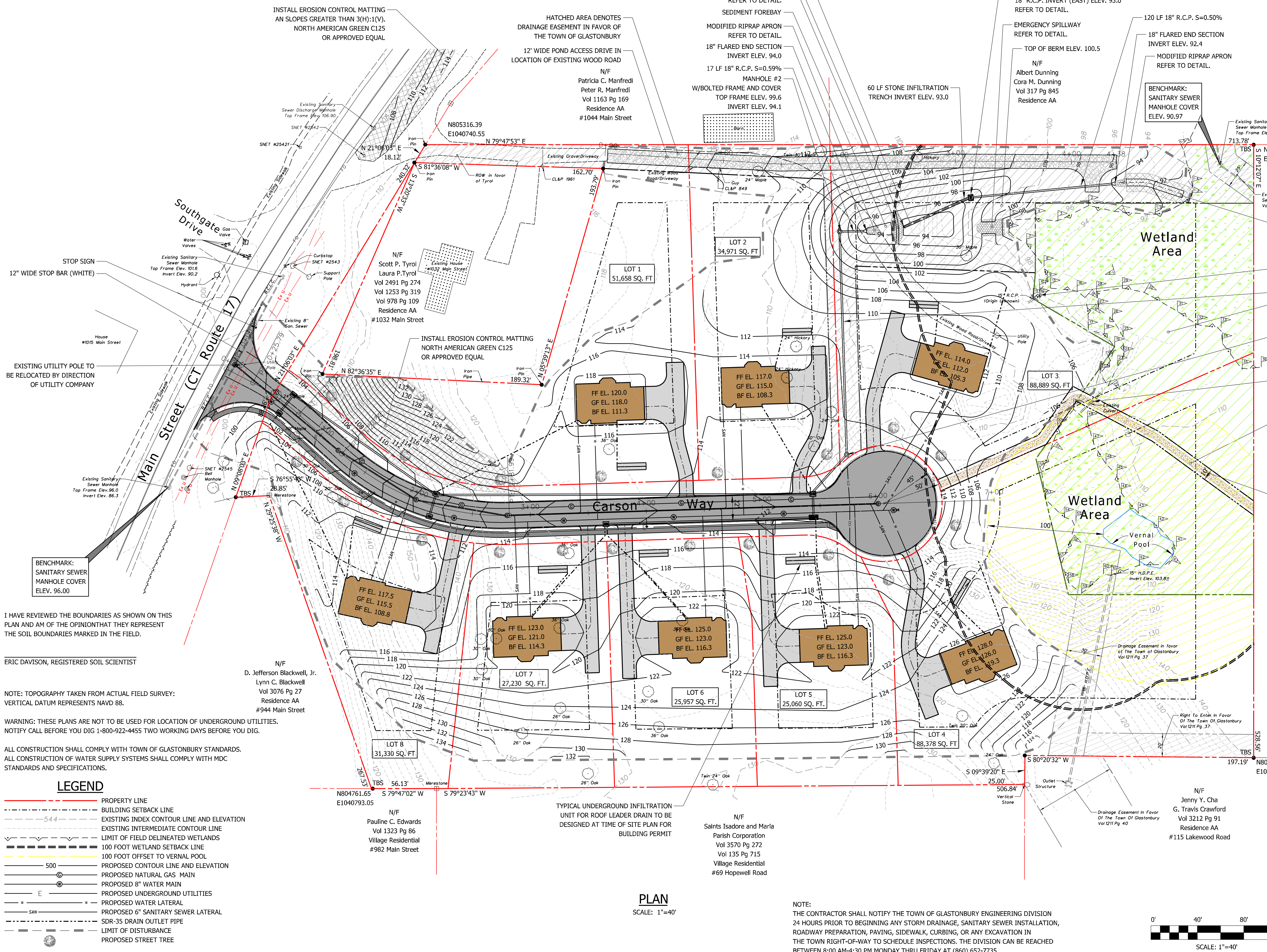


TABLE OF EARTHWORK QUANTITY ESTIMATE IN REGULATED AREAS

ACTIVITY WITHIN WETLANDS (S.F.)	CUT VOLUME IN REGULATED AREA (S.F.)	FILL VOLUME IN REGULATED AREA (C.Y.)	CUT VOLUME IN REGULATED AREA (C.Y.)	FILL VOLUME IN REGULATED AREA (C.Y.)
ENTIRE SITE	46,925	0	3,311	2,028
TOTALS:	0	46,925	0	3,311



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.

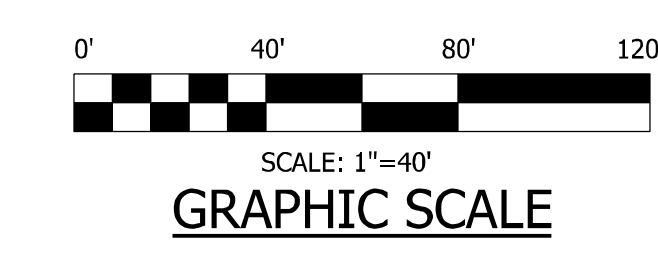
WARNING: THESE PLANS ARE NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES. NOTIFY CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

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
 - 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

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.



- 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) 1.31± ACRES
- MANHOLE #1 W/BOLTED FRAME AND COVER TOP FRAME ELEV. 112.6 INVERT ELEV. 95.1
- REPLACE EXISTING CULVERT, STABILIZE SLOPES AND INSTALL SPLIT RAIL FENCE ON EACH SIDE OF WALKWAY AT CULVERT CROSSING
- 5' WIDE FOOTPATH CONSTRUCTED WITH WOODCHIPS
- 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 8 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT
SITE DEVELOPMENT PLAN, GRADING PLAN,
DRAINAGE PLAN, UTILITY PLAN

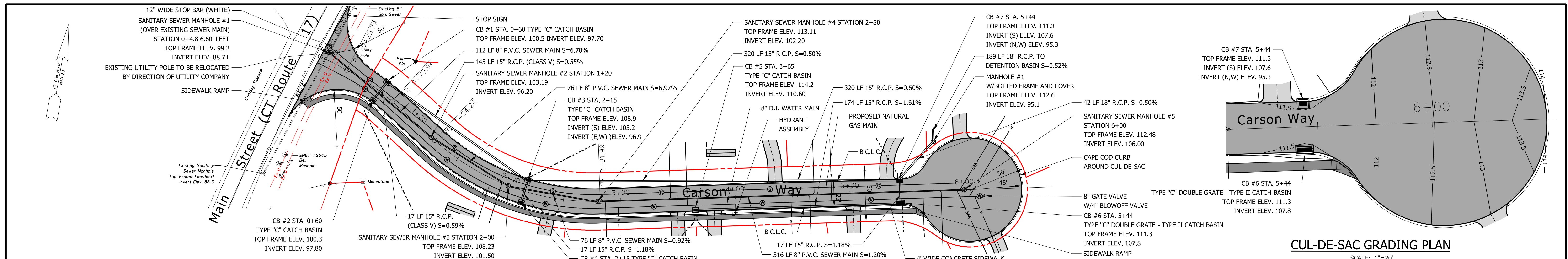
OWNER/APPLICANT:	SITE LOCATION:
CARRIER CONSTRUCTION INC.	1040 MAIN STREET
P.O. BOX 1842	ASSASSOR'S MAP E10 STREET 4140 LOT E0129B
BRISTOL, CT 06010-1842	GLASTONBURY, CT

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

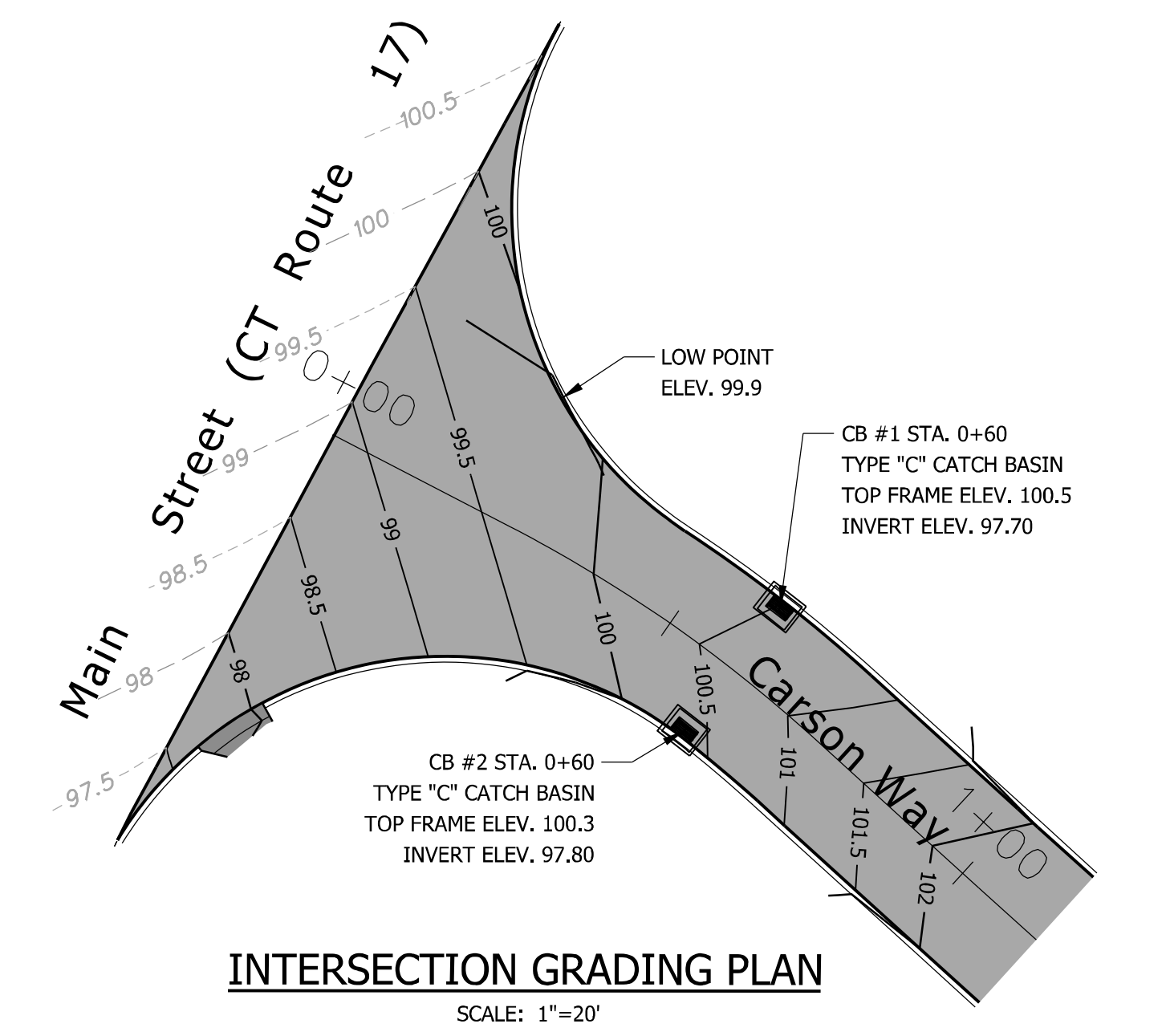
DATE: 4/15/2021
DRAWN BY: R.P.W.
CHECKED BY: R.P.W.
FILE:
FIELD BOOK: R.P.W.
SCALE: AS NOTED
SHEET: 5 OF 17

REVISIONS:
5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER

PLOT DATE: 5/4/2021



CUL-DE-SAC GRADING PLAN
SCALE: 1"=20'



INTERSECTION GRADING PLAN
SCALE: 1"=20'

WATER MAIN INSTALLATION NOTES:

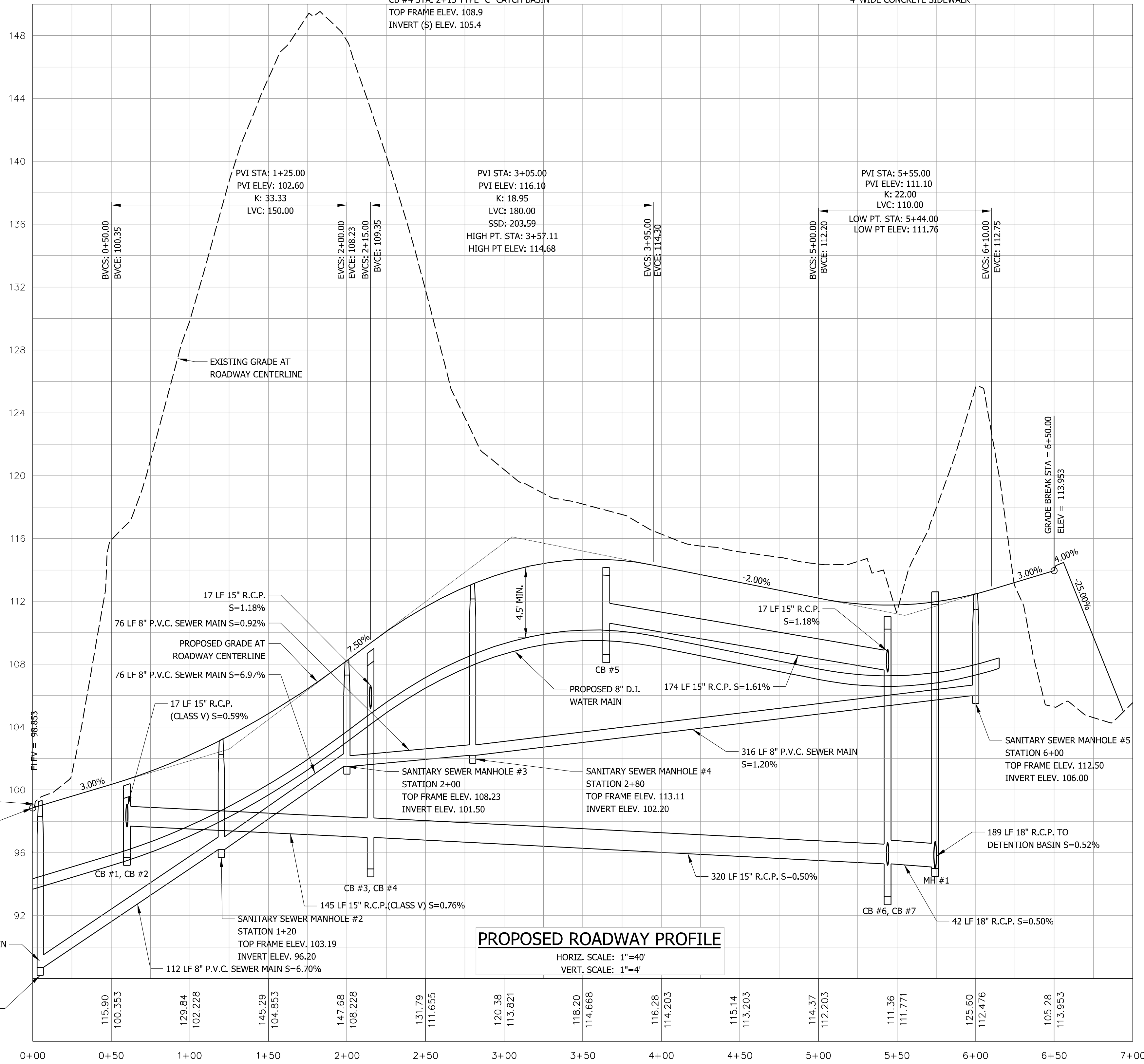
1. ALL PIPE 4" OR LARGER SHALL BE CL54 D.I.P.
2. WATER MAIN SHALL BE INSTALLED WITH A 3' SEPARATING DISTANCE.
3. 4'-6" MINIMUM BURIAL DEPTH
4. ALL HYDRANTS SHALL OPEN LEFT.
5. DOMESTIC WATER SERVICE SHALL BE PRESSURE TESTED TO 150 P.S.I.
6. WATER SERVICES SHALL BE SAMPLED AND TESTED FOR WATER QUALITY.

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

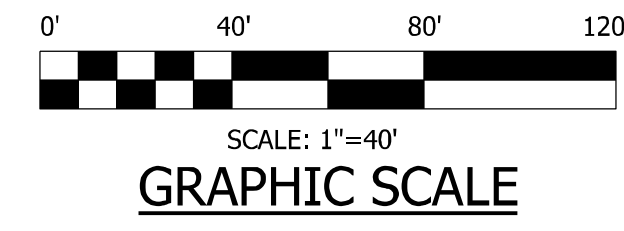
NOTE:
THE CONTRACTOR SHALL NOTIFY THE TOWN OF GLASTONBURY ENGINEERING DIVISION 24 HOURS PRIOR TO BEGINNING ANY STORM DRAINAGE, SANITARY SEWER INSTALLATION, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, OR ANY EXCAVATION IN THE TOWN RIGHT-OF-WAY TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 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.

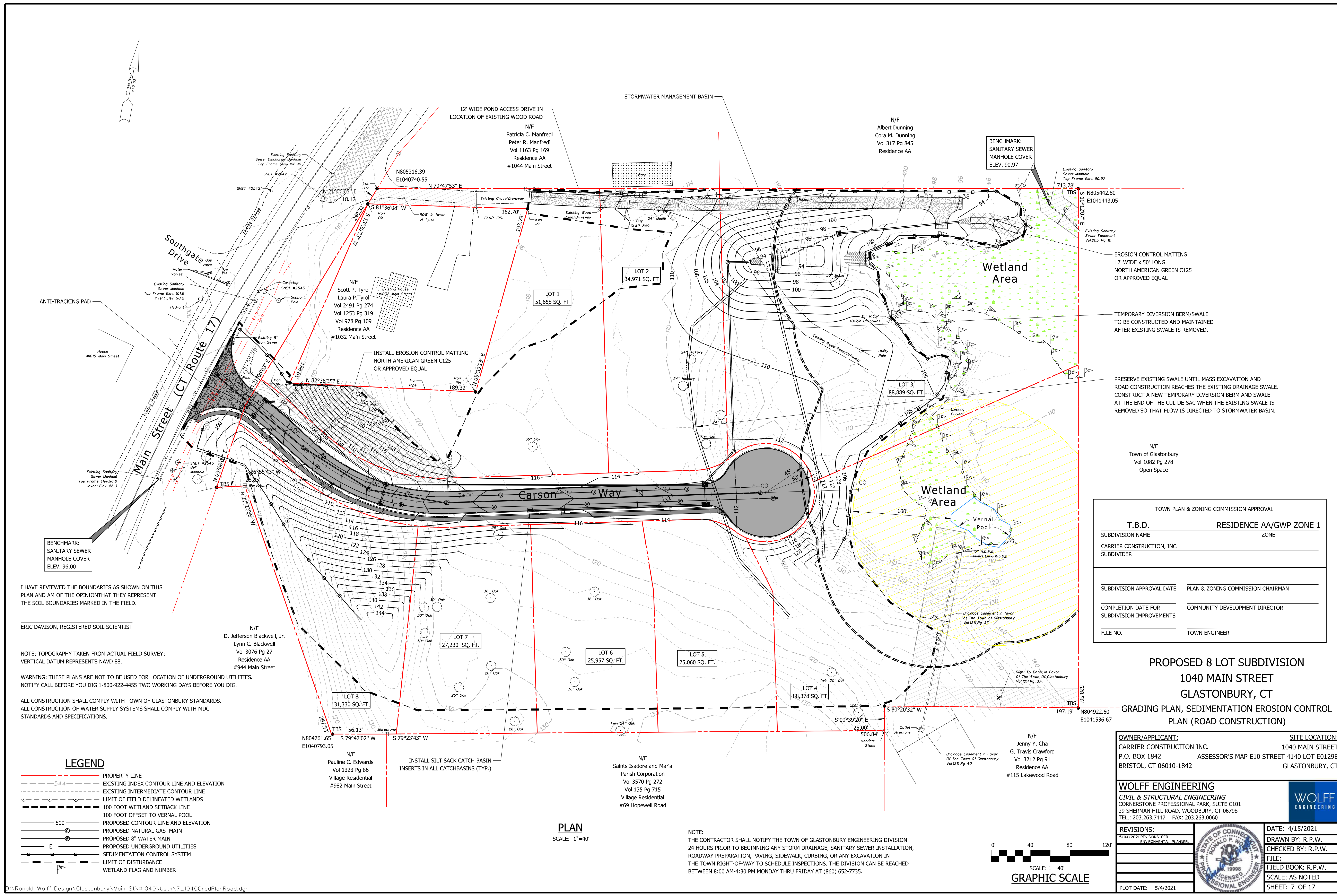
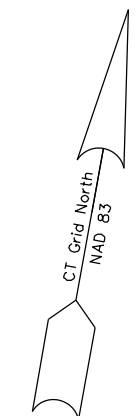


PROPOSED ROADWAY PROFILE
HORIZ. SCALE: 1"=40'
VERT. SCALE: 1"=4'



**PROPOSED 8 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 ASSASSOR'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	DATE: 4/15/2021
PLOT DATE: 5/4/2021	DRAWN BY: R.P.W. CHECKED BY: R.P.W. FILE: FIELD BOOK: R.P.W. SCALE: AS NOTED SHEET: 6 OF 17



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.

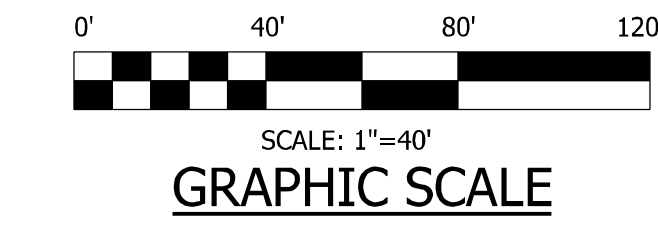
WARNING: THESE PLANS ARE NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES. NOTIFY CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

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
	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
	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.



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.

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 8 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT
GRADING PLAN, SEDIMENTATION EROSION CONTROL
PLAN (ROAD CONSTRUCTION)

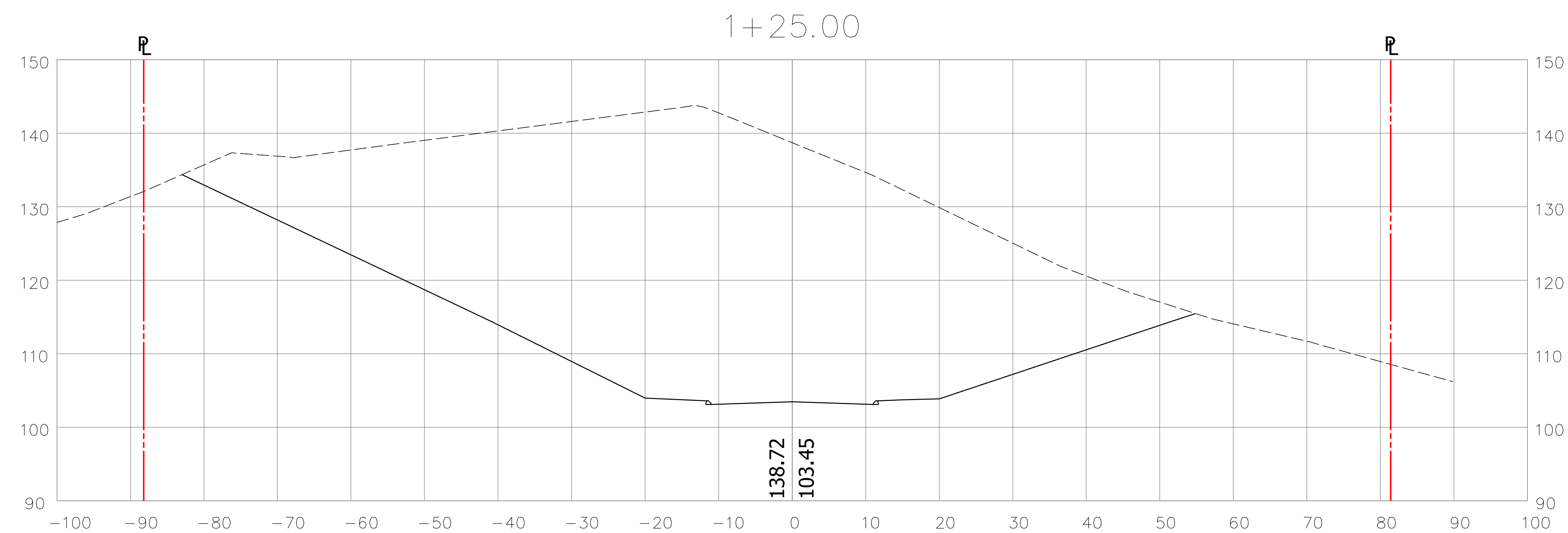
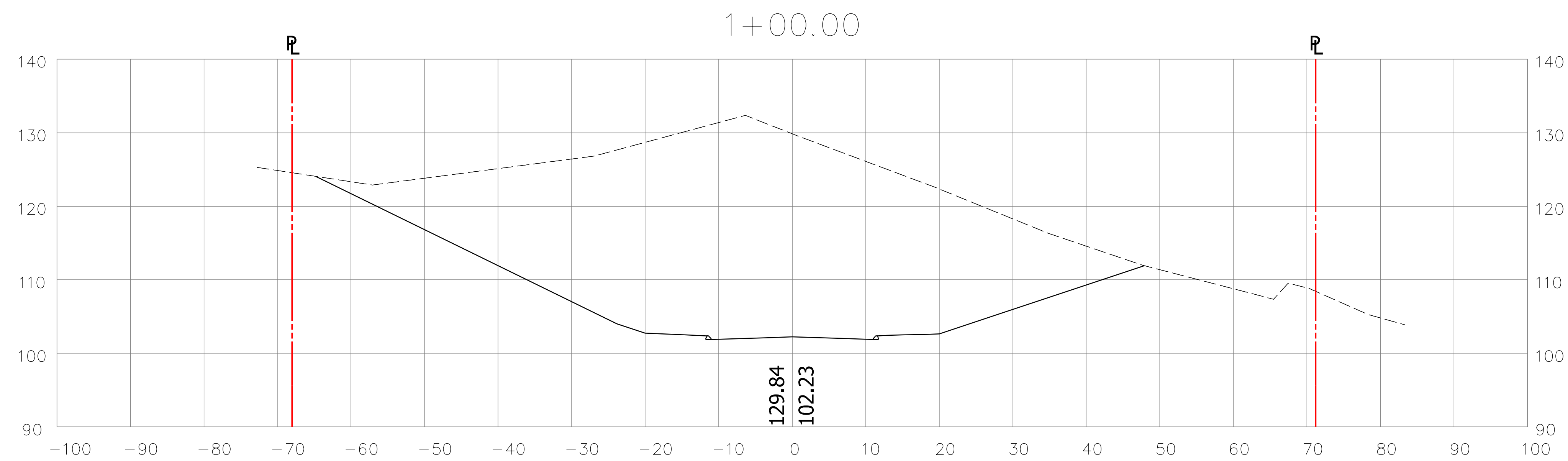
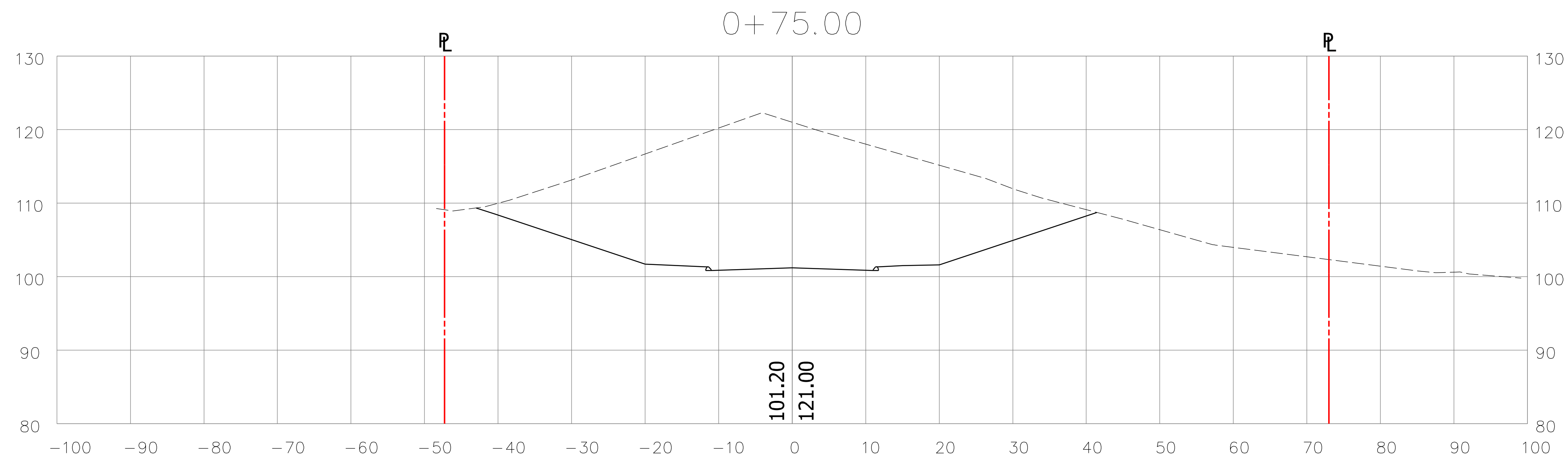
OWNER/APPLICANT:
CARRIER CONSTRUCTION INC.
P.O. BOX 1842
BRISTOL, CT 06010-1842

SITE LOCATION:
1040 MAIN STREET
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

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

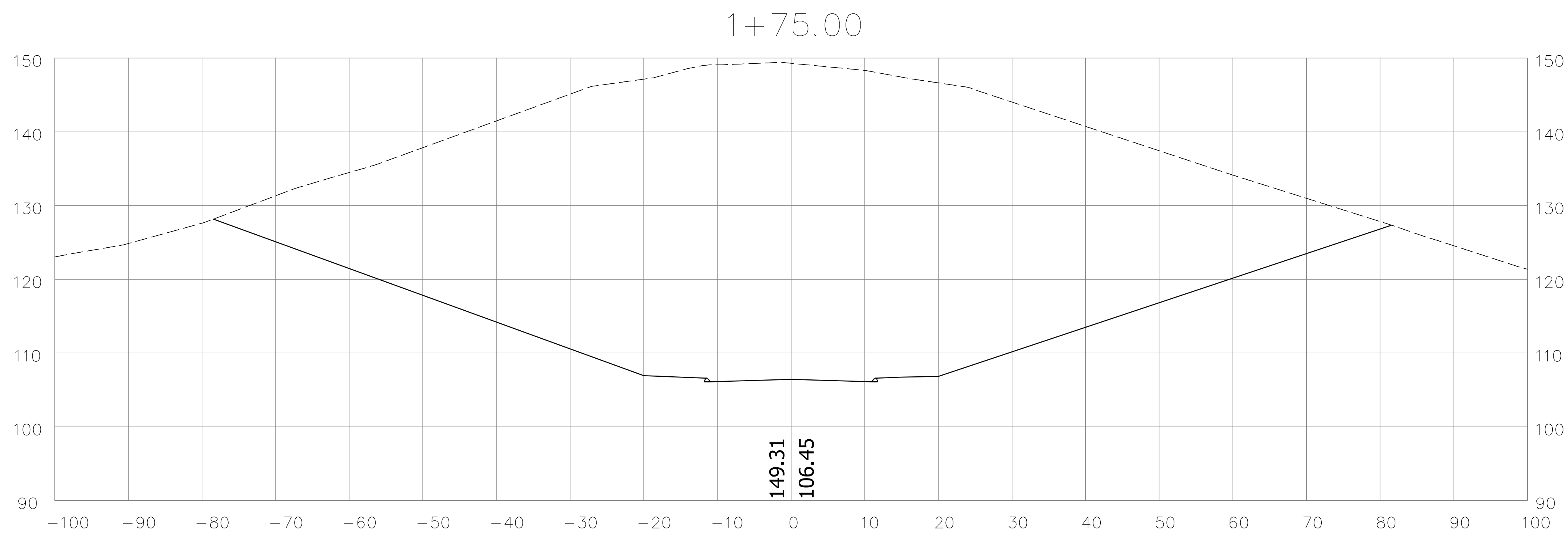
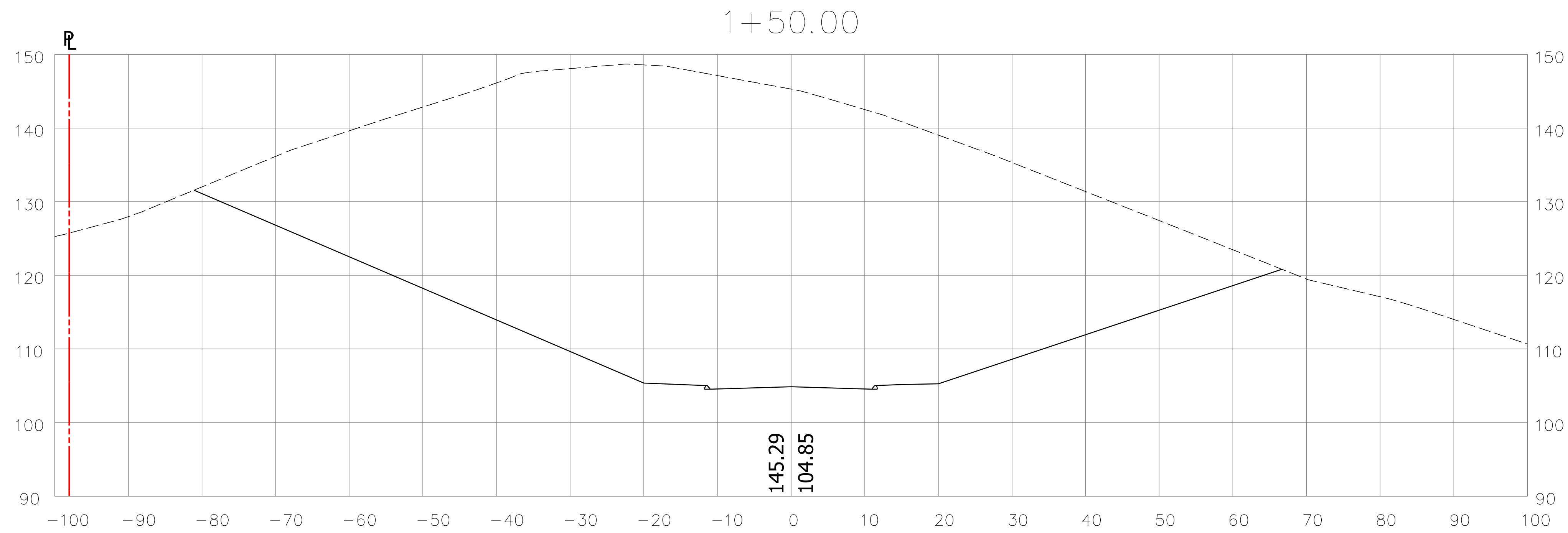


**PROPOSED 8 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT
ROADWAY CROSS SECTIONS**

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	
---	--

REVISIONS: 5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER		DATE: 4/15/2021
		DRAWN BY: R.P.W.
		CHECKED BY: R.P.W.
		FILE:
		FIELD BOOK: R.P.W.
		SCALE: 1"=10'
PLOT DATE: 5/4/2021		SHEET: 8 OF 17

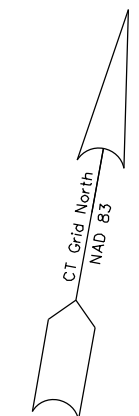


PROPOSED 8 LOT SUBDIVISION
1040 MAIN STREET
GLASTONBURY, CT
ROADWAY CROSS SECTIONS

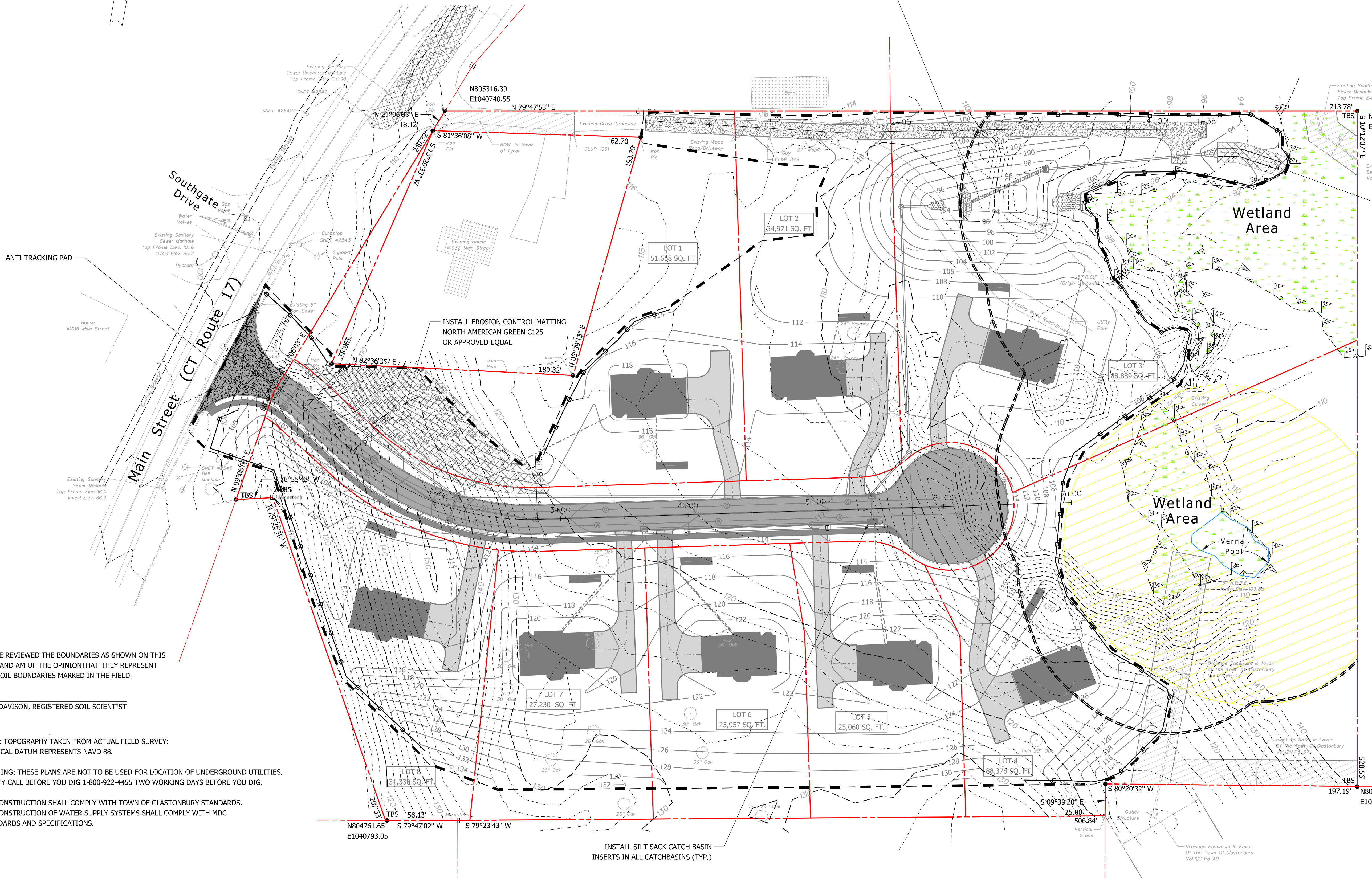
OWNER/APPLICANT: CARRIER CONSTRUCTION INC. P.O. BOX 1842 BRISTOL, CT 06010-1842	SITE LOCATION: 1040 MAIN STREET ASSESSOR'S MAP E10 STREET 4140 LOT E0129B GLASTONBURY, CT
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WOLFF ENGINEERING CIVIL & STRUCTURAL ENGINEERING CORNERSTONE PROFESSIONAL PARK, SUITE C101 39 SHERMAN HILL ROAD, WOODBURY, CT 06798 TEL.: 203.263.7447 FAX: 203.263.0060	
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REVISIONS: 5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER		DATE: 4/15/2021
		DRAWN BY: R.P.W.
		CHECKED BY: R.P.W.
		FILE:
		FIELD BOOK: R.P.W.
		SCALE: 1"=10'
PLOT DATE: 5/4/2021		SHEET: 9 OF 17



STORMWATER MANAGEMENT BASIN



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

Wetland Area

Wetland Area

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 8 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

DATE: 4/15/2021
DRAWN BY: R.P.W.
CHECKED BY: R.P.W.
FILE:
FIELD BOOK: R.P.W.
SCALE: AS NOTED
SHEET: 10 OF 17

PLOT DATE: 5/4/2021

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.

ERIC DAVISON, REGISTERED SOIL SCIENTIST

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

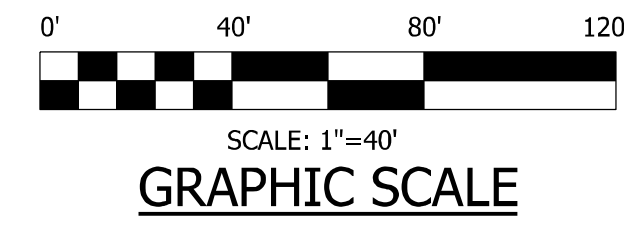
WARNING: THESE PLANS ARE NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES. NOTIFY CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

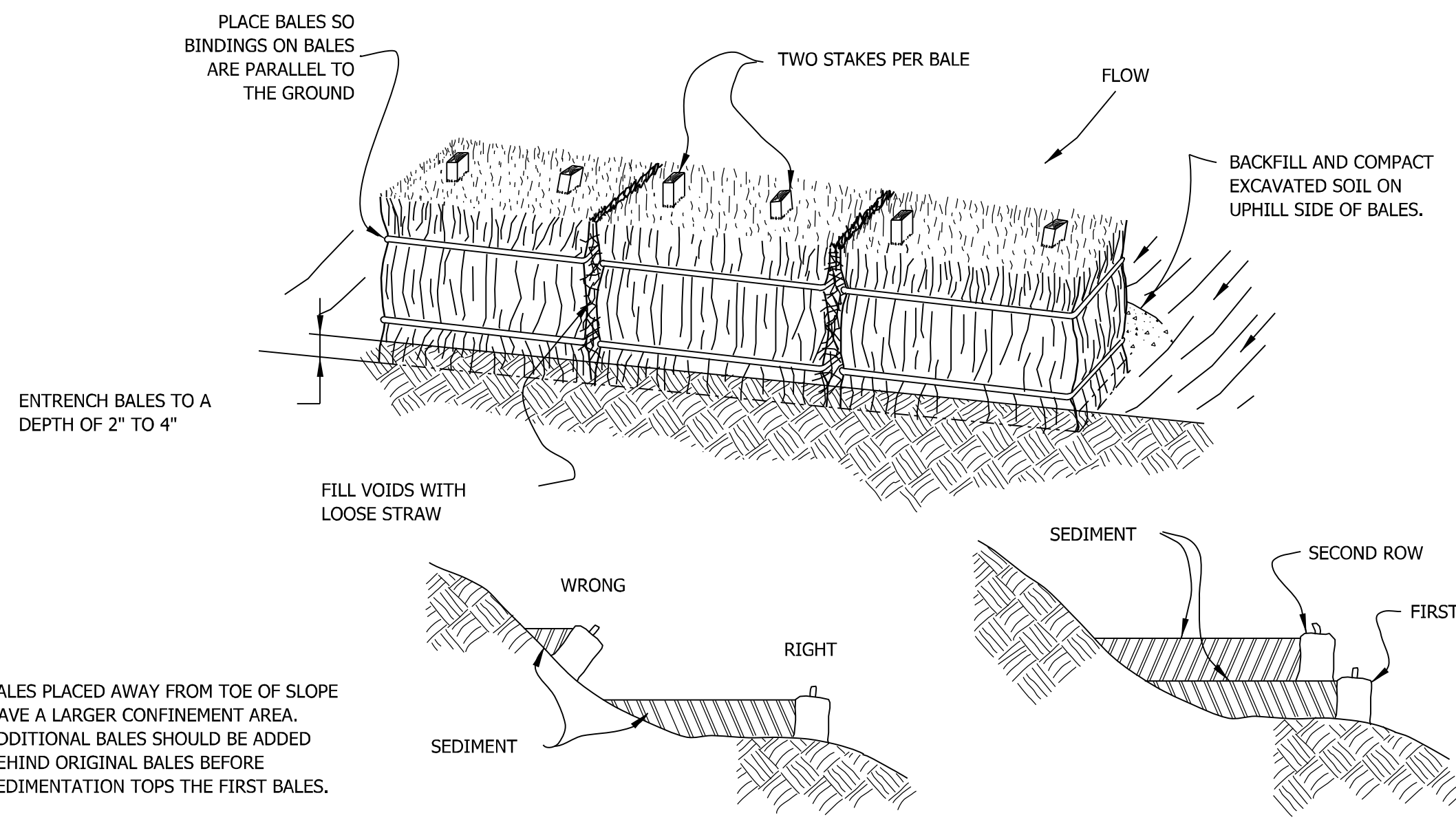
ALL CONSTRUCTION SHALL COMPLY WITH TOWN OF GLASTONBURY STANDARDS. ALL CONSTRUCTION OF WATER SUPPLY SYSTEMS SHALL COMPLY WITH MDC STANDARDS AND SPECIFICATIONS.

LEGEND

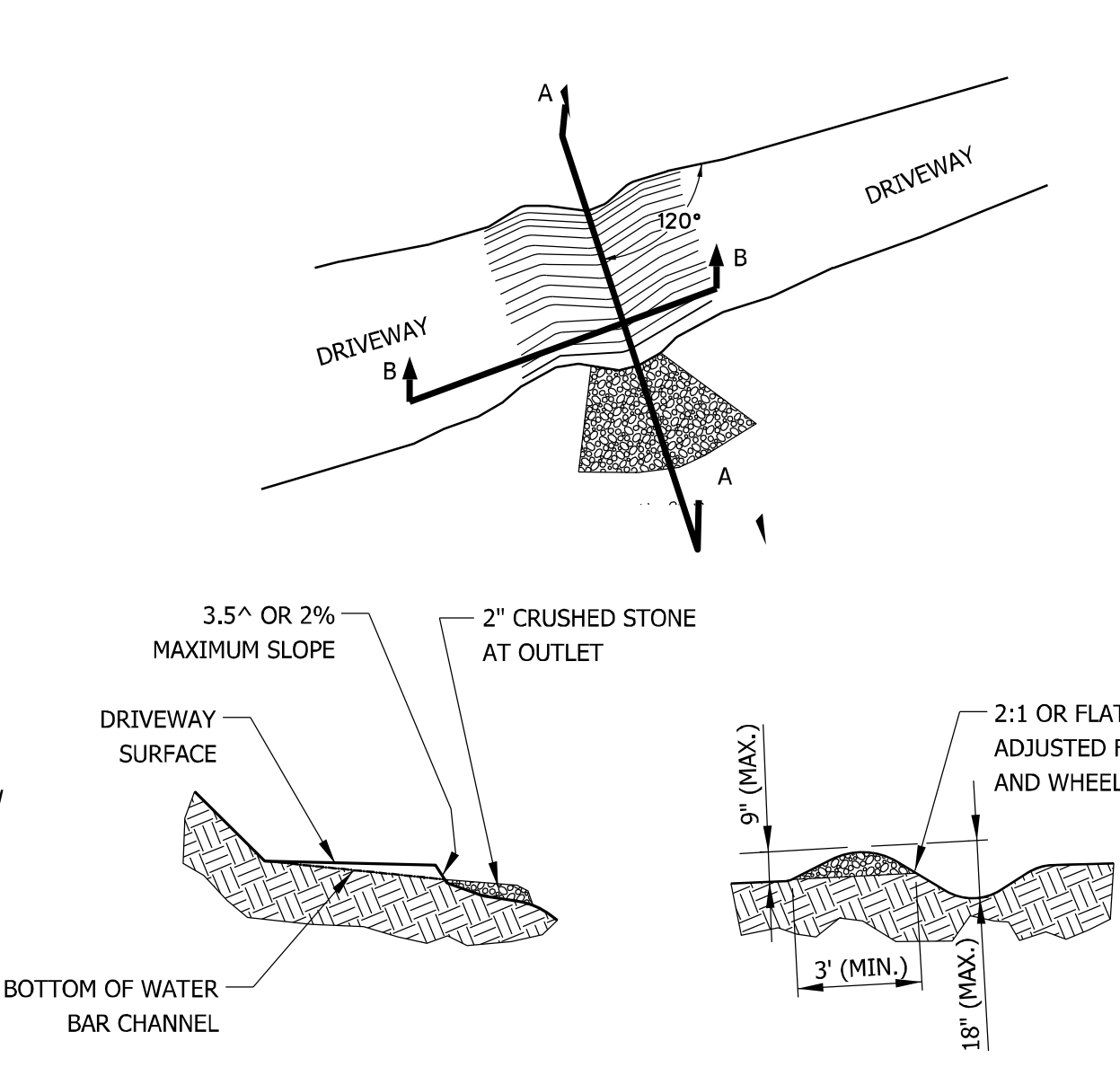
	PROPERTY LINE
	EXISTING INDEX CONTOUR LINE AND ELEVATION
	EXISTING INTERMEDIATE CONTOUR LINE
	LIMIT OF FIELD DELINEATED WETLANDS
	100 FOOT WETLAND SETBACK LINE
	PROPOSED CONTOUR LINE AND ELEVATION
	LIMIT OF DISTURBANCE
	SEDIMENTATION CONTROL SYSTEM

PLAN
SCALE: 1"=40'

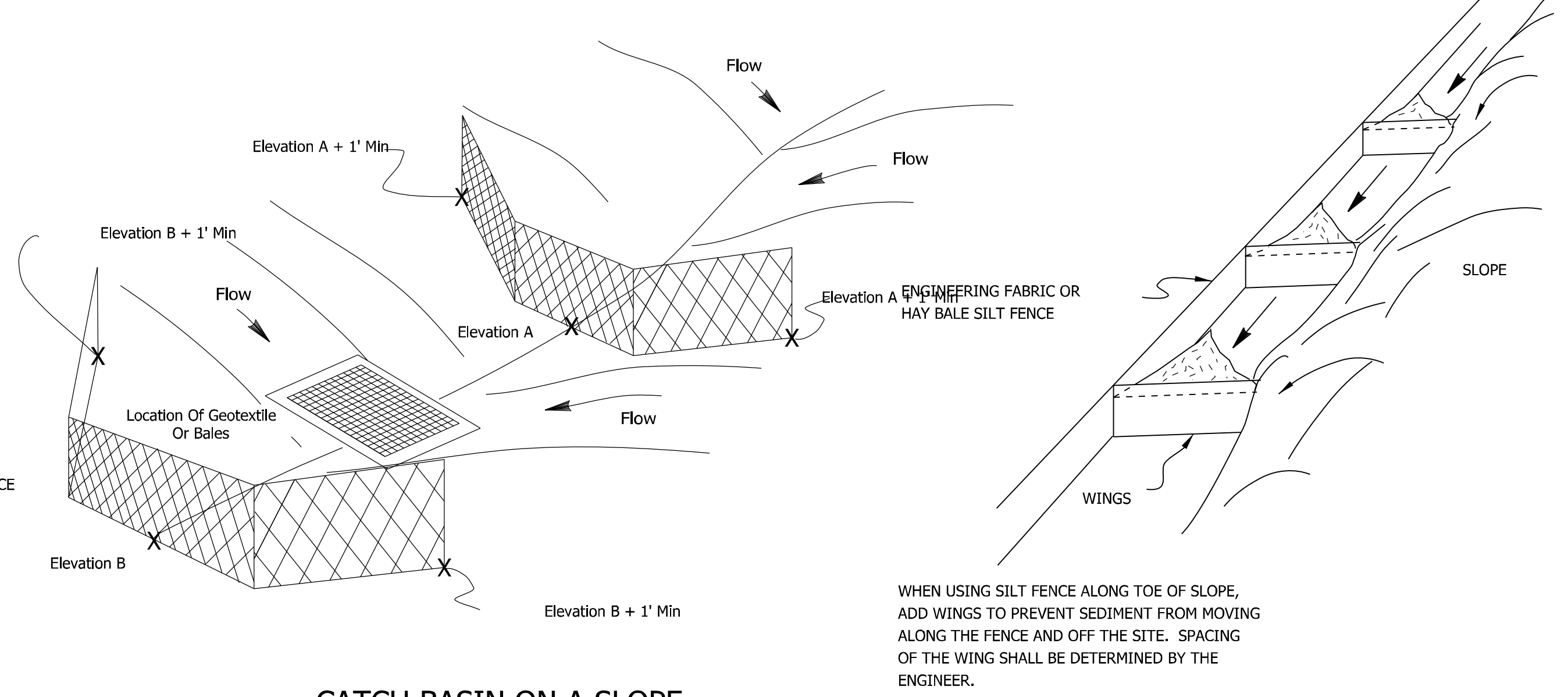




**PREFERRED PLACEMENT
HAY/STRAW BALES**
NOT TO SCALE

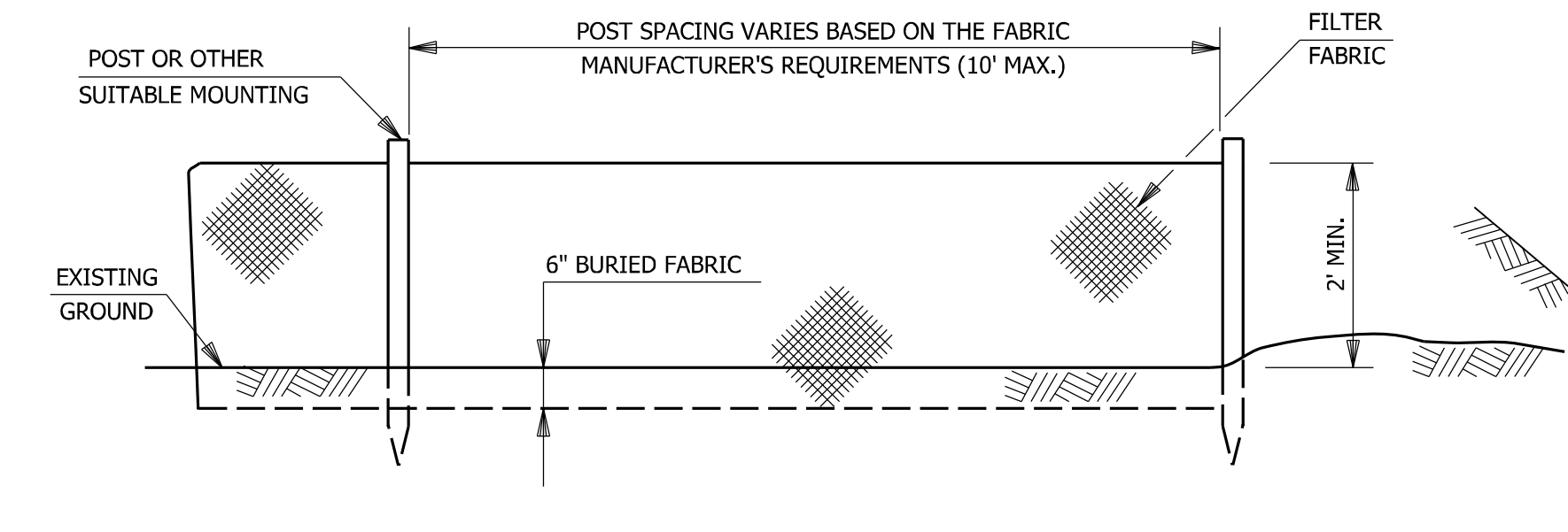


**SECTION A-A
SECTION B-B
TEMPORARY WATER BAR DETAIL**
NOT TO SCALE

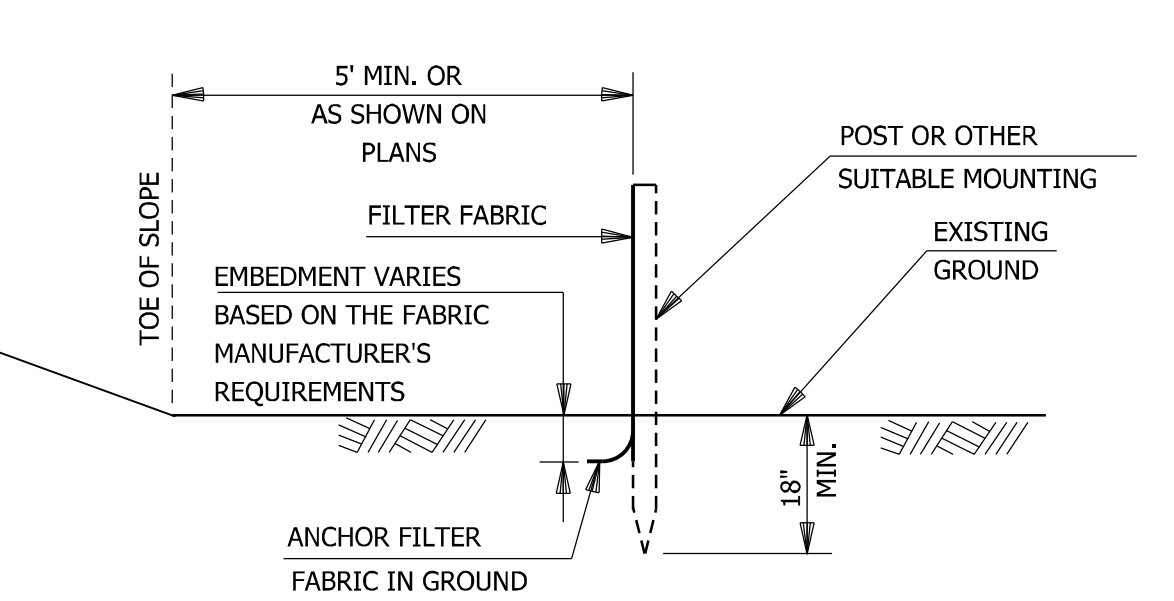


CATCH BASIN ON A SLOPE
NOT TO SCALE

**SEDIMENTATION CONTROL SYSTEM
TOE OF SLOPE**



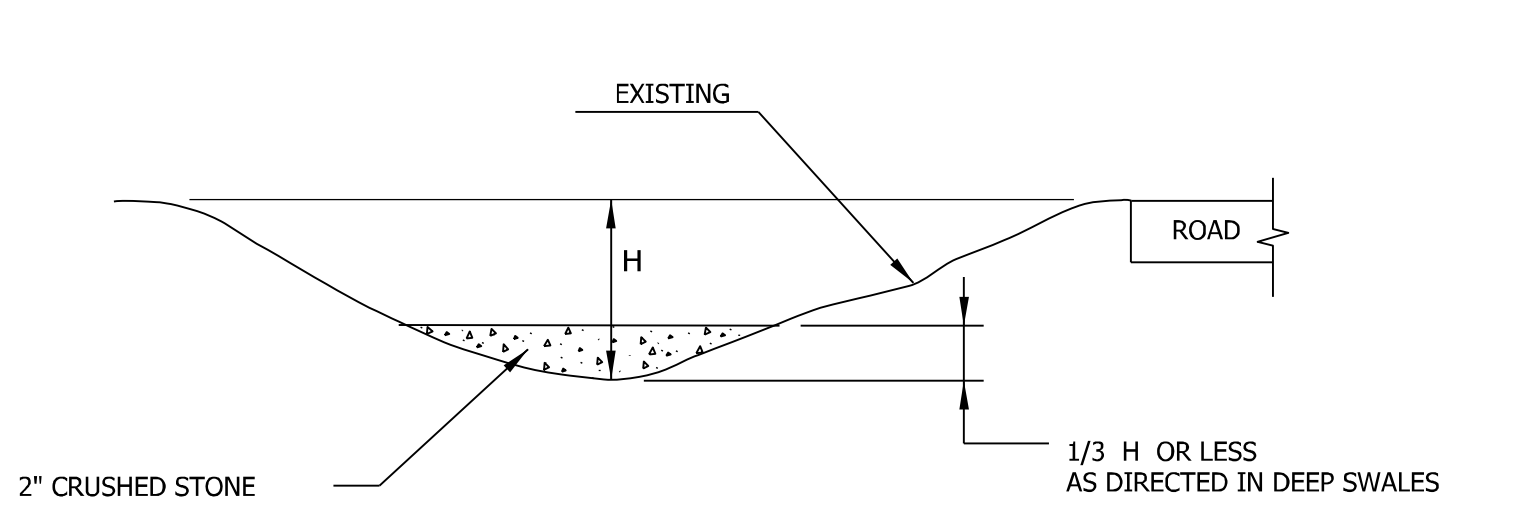
ELEVATION



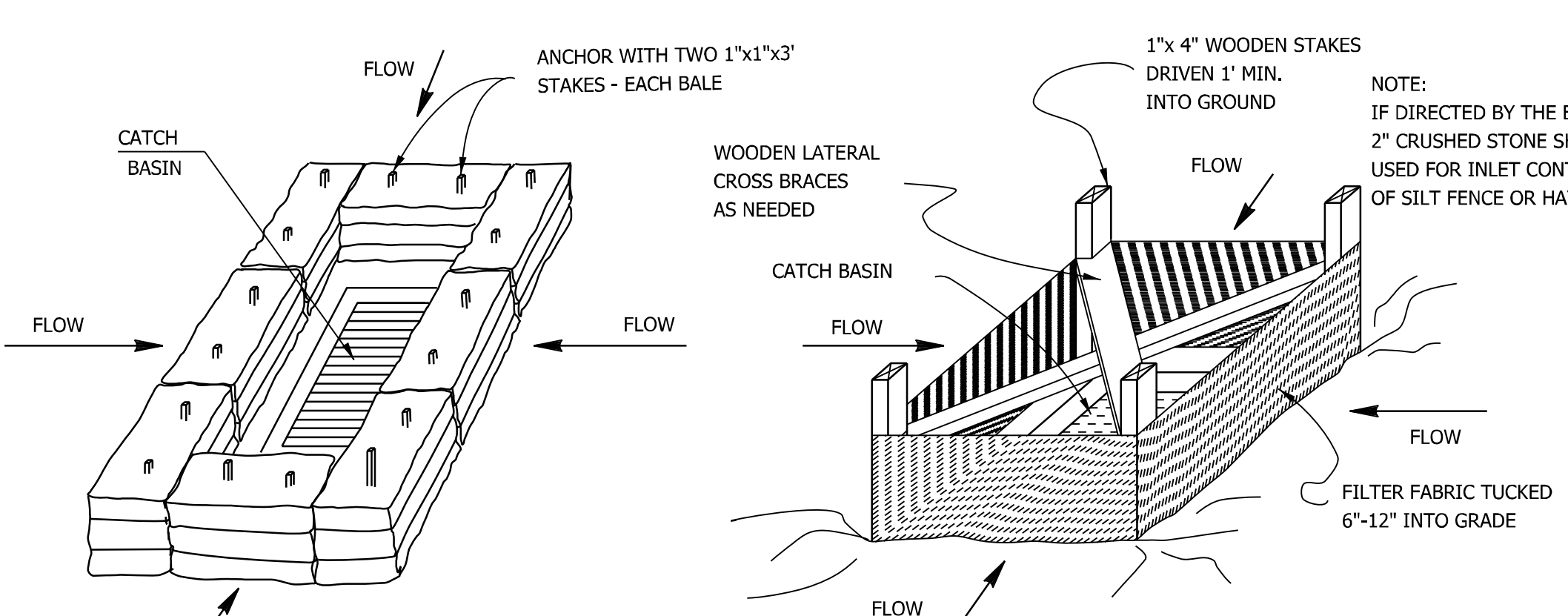
SECTION

SEDIMENTATION CONTROL SYSTEM
NOT TO SCALE

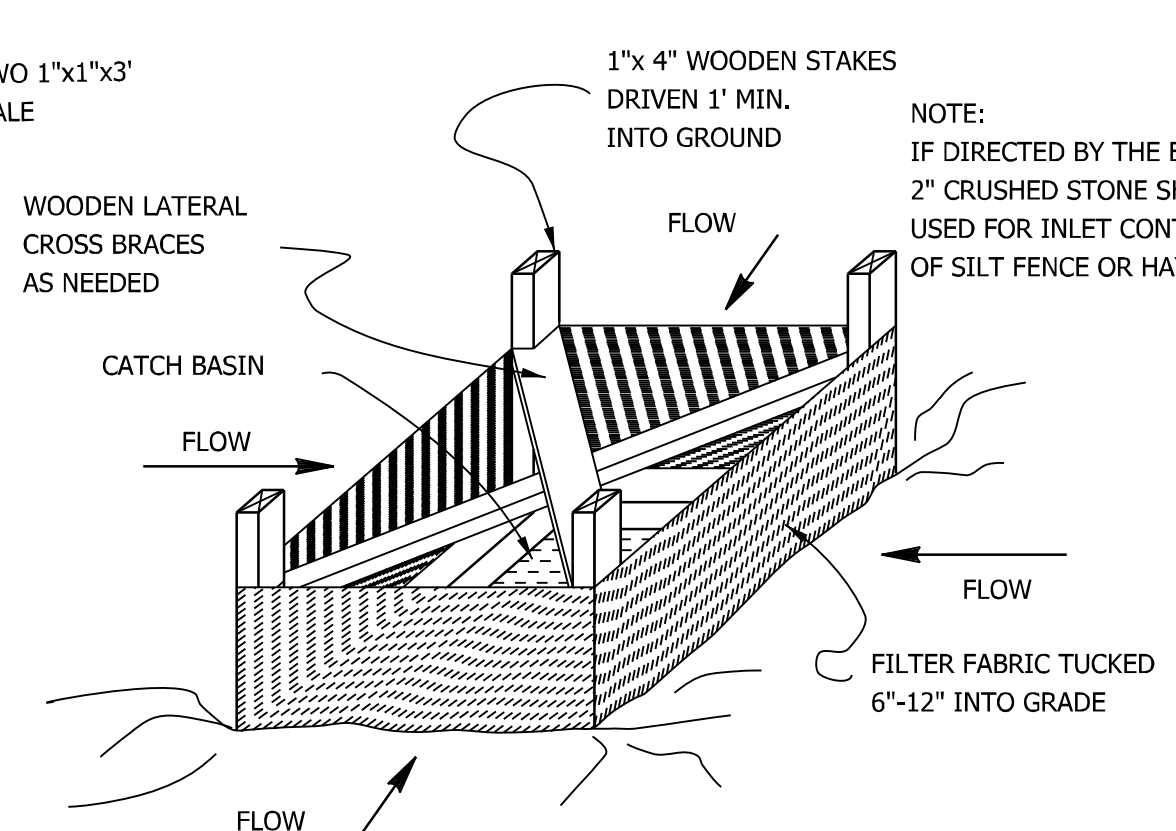
- TEMPORARY DIVERSION NOTES**
- CONSTRUCTION**
1. INSTALL EROSION CONTROLS AT THE OUTLET WHERE SEDIMENT-LADEN RUNOFF IS EXPECTED.
 2. CONSTRUCT THE TEMPORARY DIVERSION AFTER GRADING THE BERM.
 3. TAMP OR COMPACT IT TO PREVENT FAILURE.
 4. APPLY STABILIZATION MEASURES (MAY INCLUDE TEMPORARY OR PERMANENT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



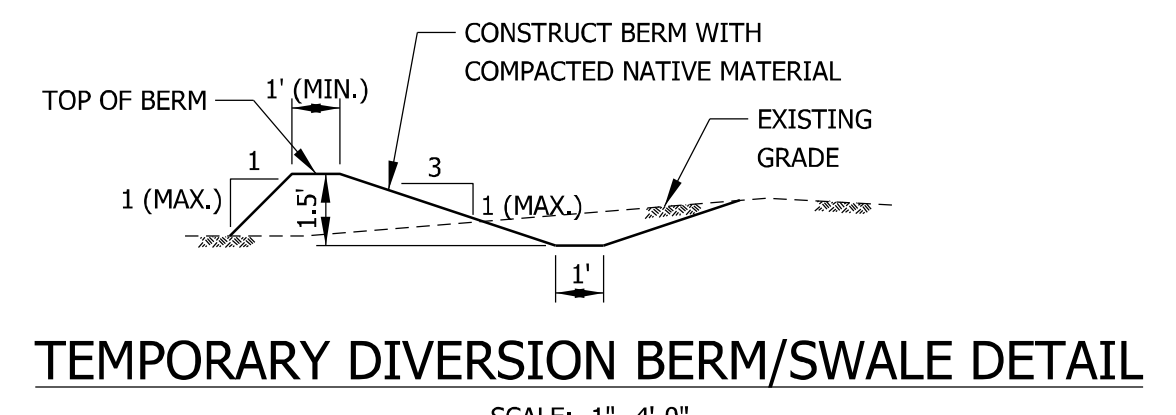
SECTION A-A



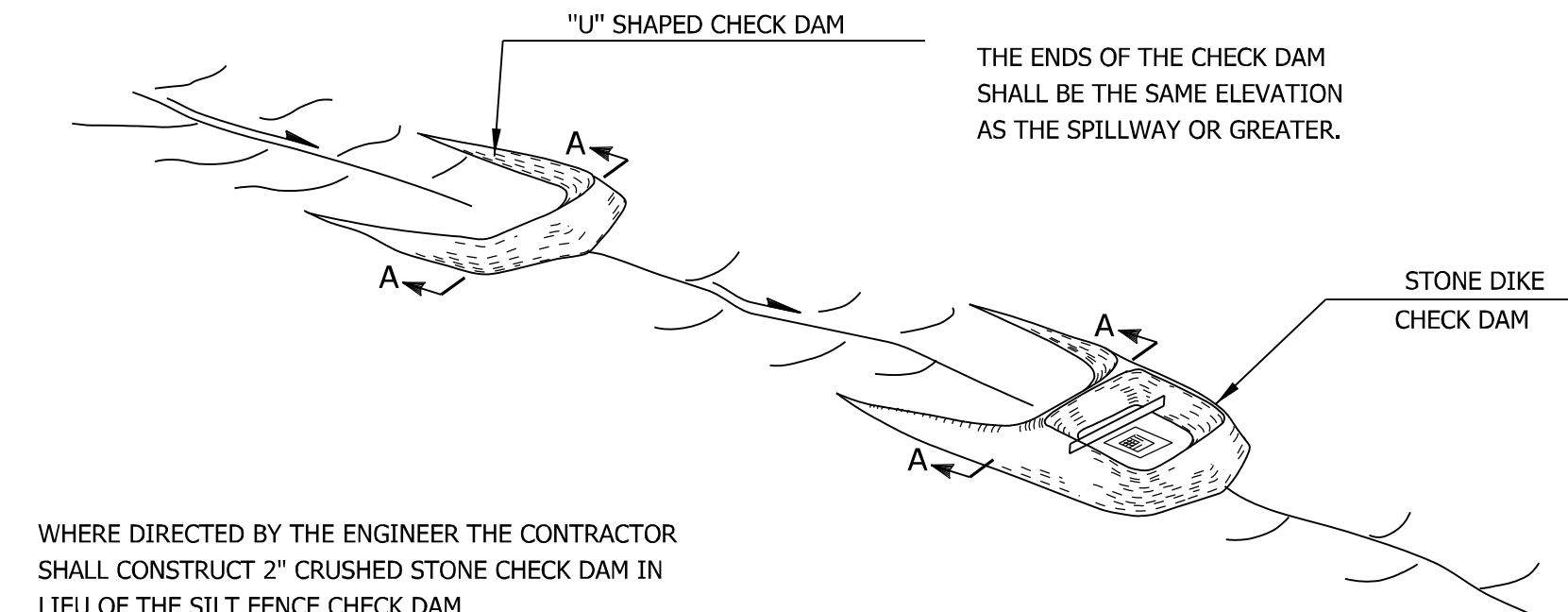
**HAY BALE INSTALLATION AT
CATCH BASIN**



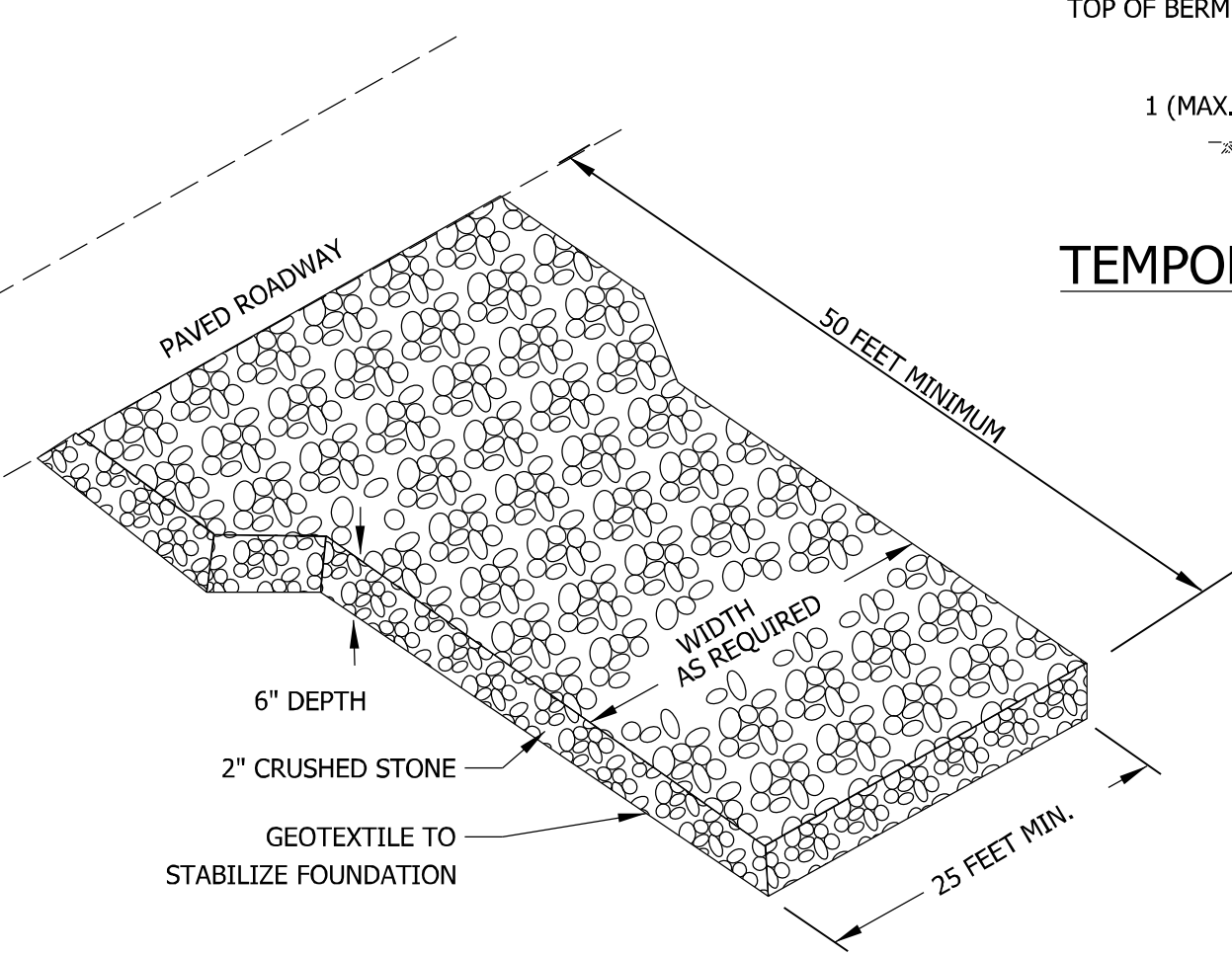
**SILT FENCE INSTALLATION
AT CATCH BASIN**



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

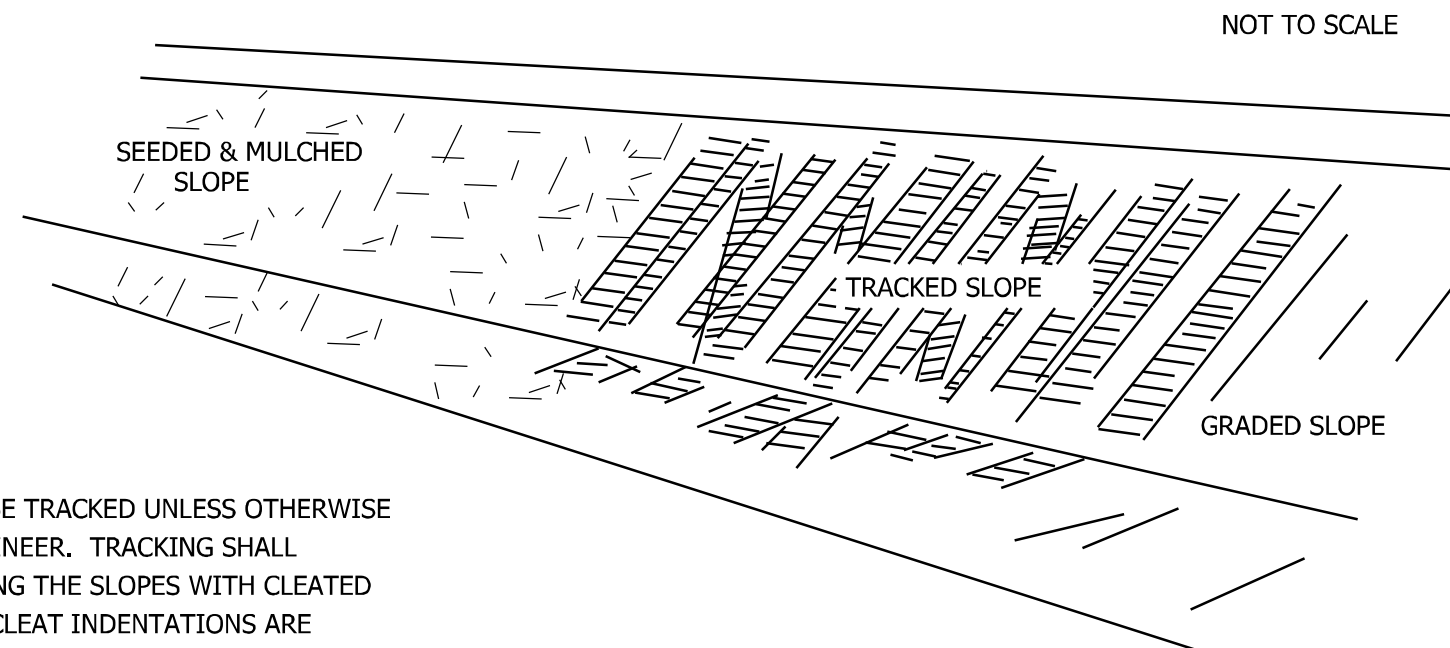


STONE CHECK DAM
NOT TO SCALE



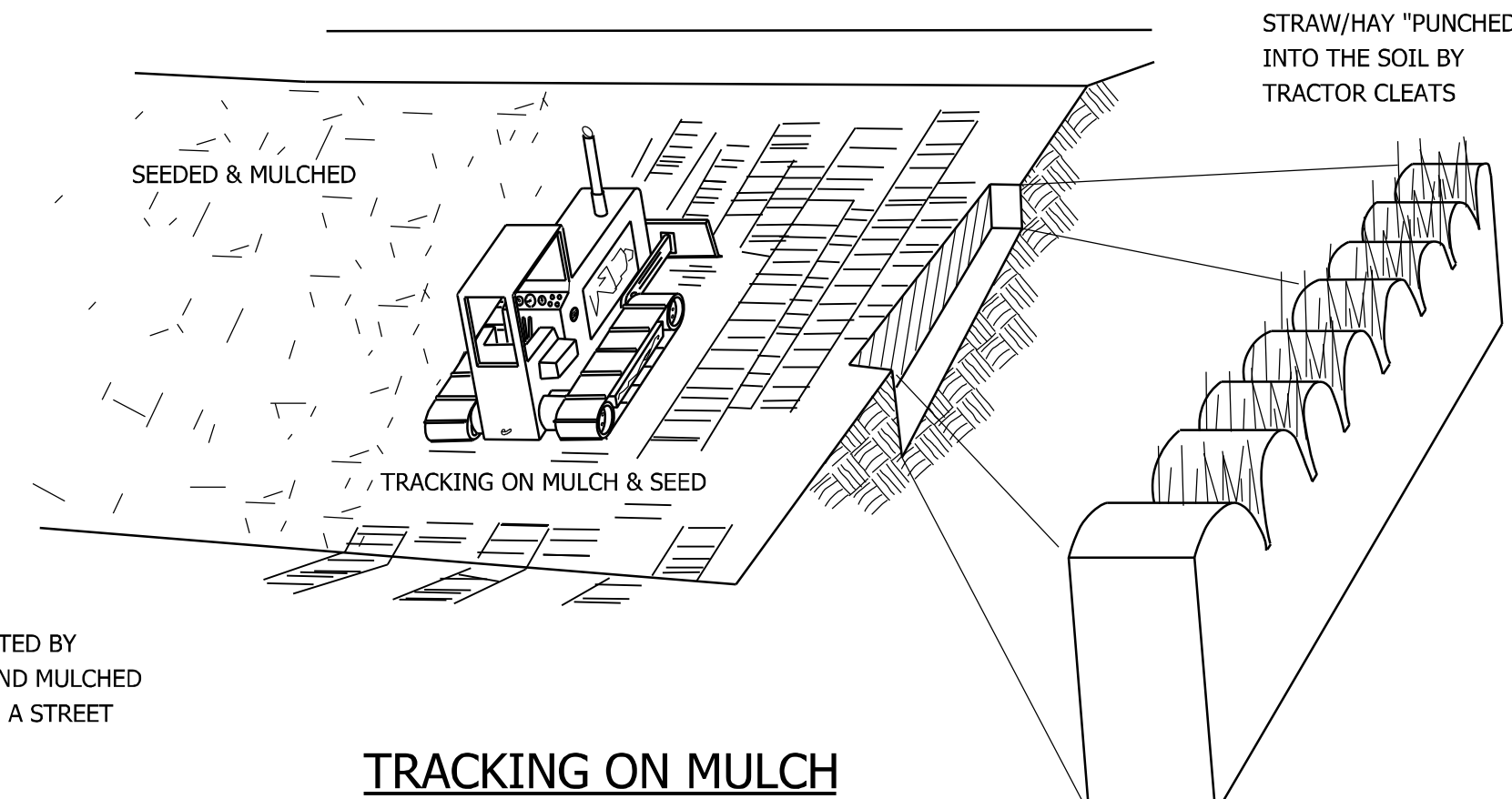
ANTI-TRACKING PAD
NOT TO SCALE

CATCH BASIN IN A DEPRESSION
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



TRACKING ON MULCH

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.

**PROPOSED 8 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		WOLFF ENGINEERING	
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		SCALE: AS NOTED	
PLOT DATE: 5/4/2021		SHEET: 12 OF 17	

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 FCNTEENT 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

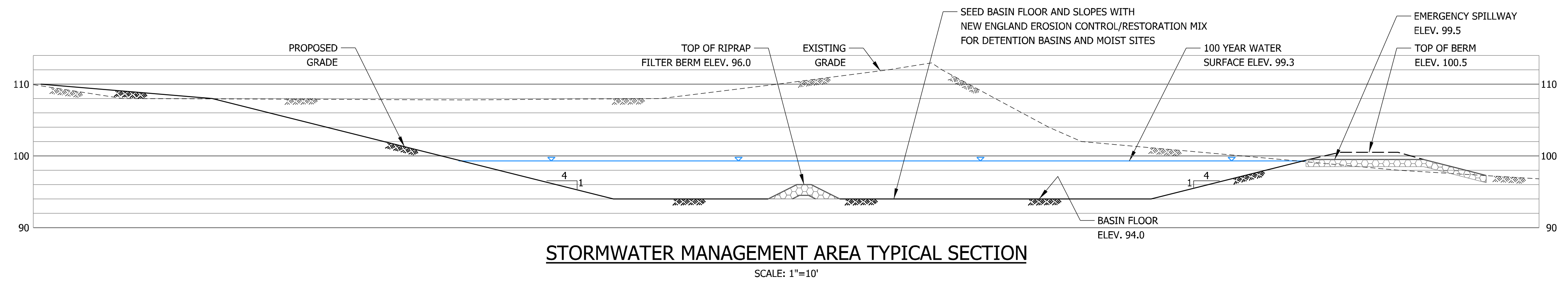
1. THE BERM SHALL BE CONSTRUCTED TO THE ELEVATIONS, LINES AND GRADES AND CROSS SECTIONS AS SHOWN ON THE PLANS. THE BERM SHALL BE MAINTAINED IN A MANNER SATISFACTORY TO THE ENGINEER AND THE TOWN AND SURFACES SHALL BE COMPACTED AND ACCURATELY GRADED BEFORE TOPSOIL IS PLACED ON THEM.

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

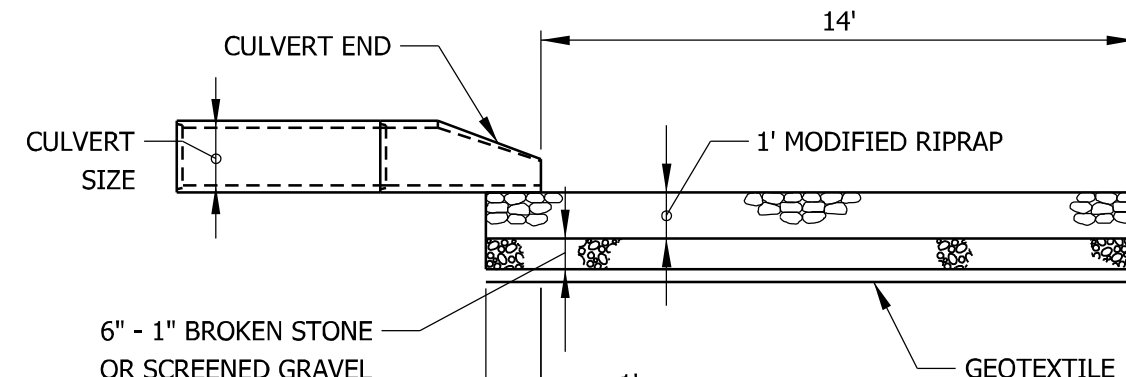
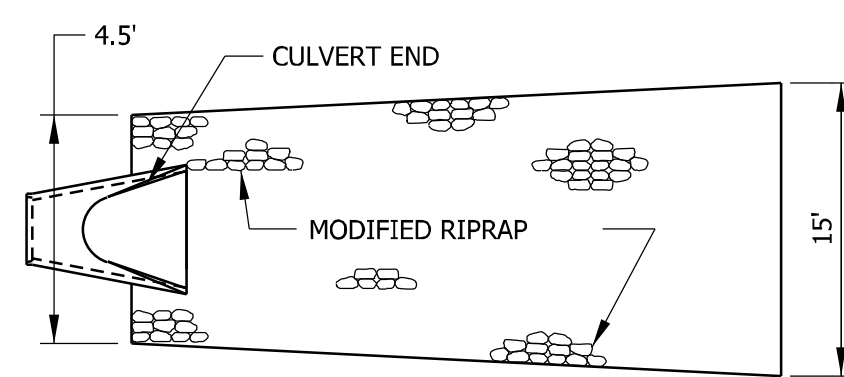
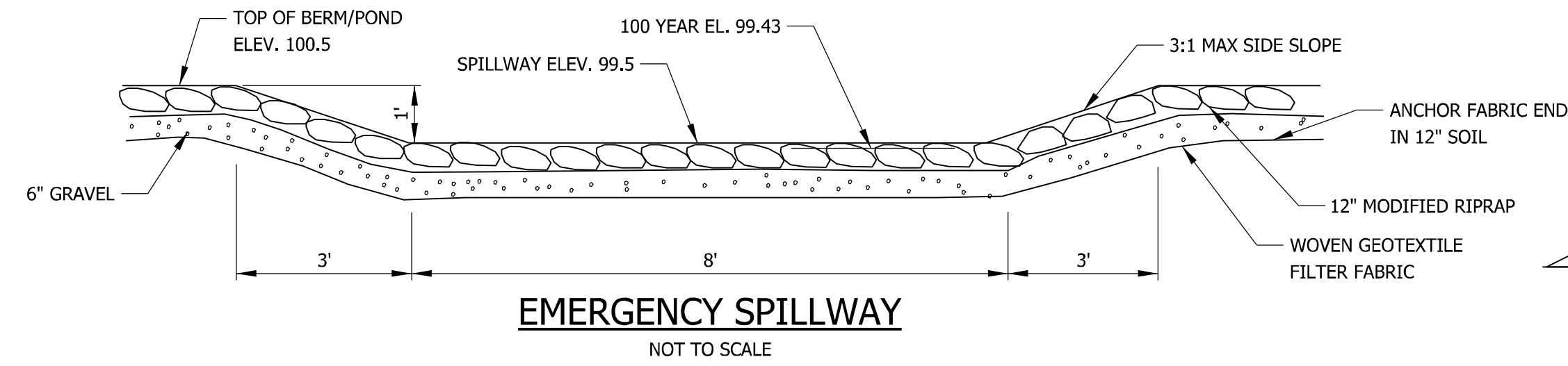


CONSTRUCTION MAINTENANCE SCHEDULE FOR DETENTION BASIN

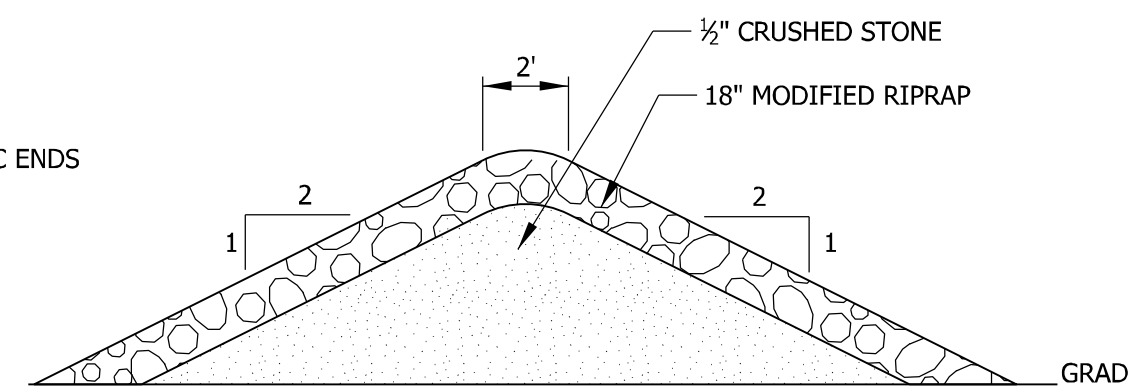
1. INSTALL SOIL & EROSION CONTROL MEASURES PER THE PLAN.
2. TEMPORARILY SEED THE BASIN SLOPES AS CALLED OUT IN SEEDING & PLANTING REQUIREMENTS.
3. COMPLETE THE DETENTION BASIN PER THE PLANS AND SPECIFICATIONS.
4. INSPECT THE BASIN ON A WEEKLY BASIS. REPORT THE CONDITION OF THE BASIN.
5. REMOVE THE SEDIMENT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

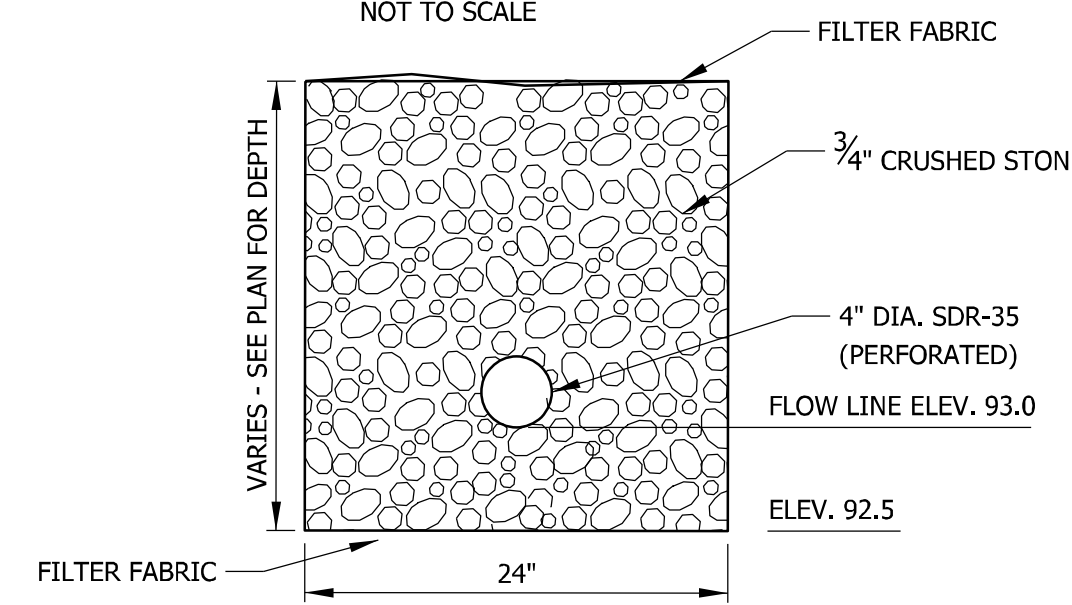
1. ONCE A YEAR THE INTERIOR OF THE BASIN BERM WILL BE MOWED PER THE PLANS AND ANY INVASIVE SPECIES SHALL BE REMOVED.
2. ON BI-ANNUAL BASIS, THE BASIN, DRAINAGE LINES, DRAINAGE STRUCTURES AND SWALES SHALL BE INSPECTED. ANY DEBRIS AND SEDIMENT BUILT UP OVER 2 INCHES SHALL BE REMOVED. ANY DEBRIS BUILT UP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



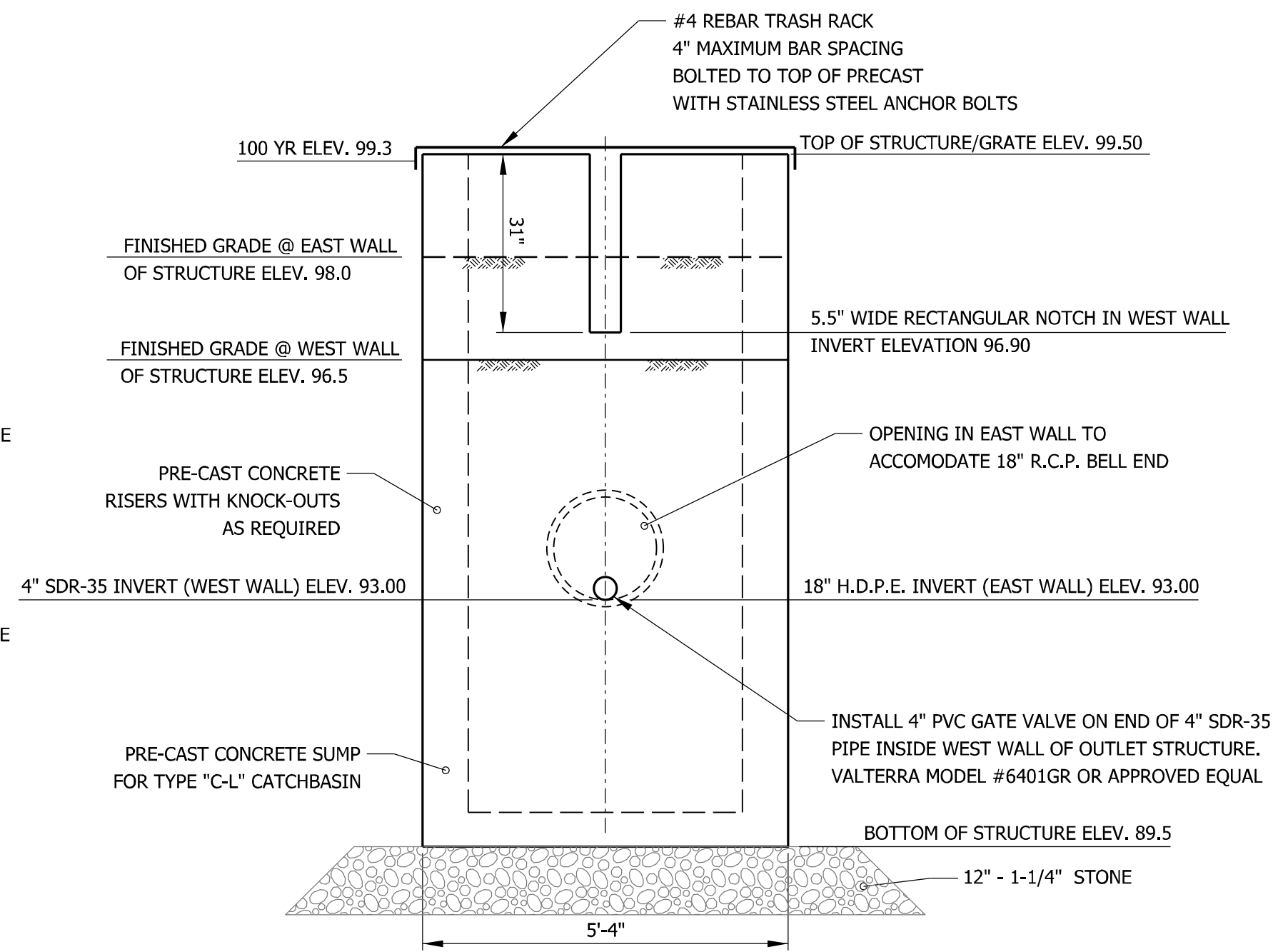
MODIFIED RIPRAP APRON
NOT TO SCALE



RIPRAP FILTER BERM
NOT TO SCALE



STONE INFILTRATION TRENCH
NOT TO SCALE



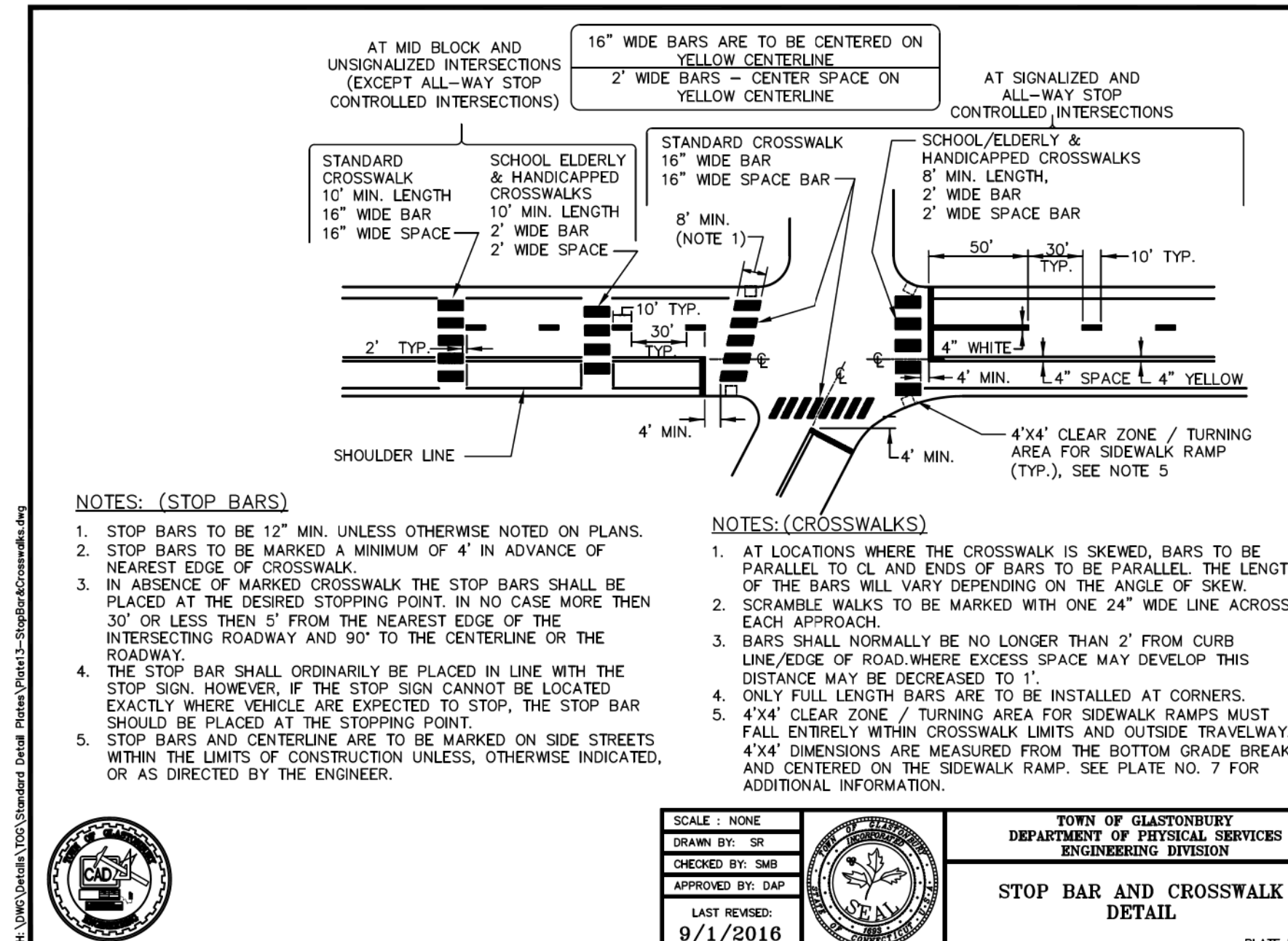
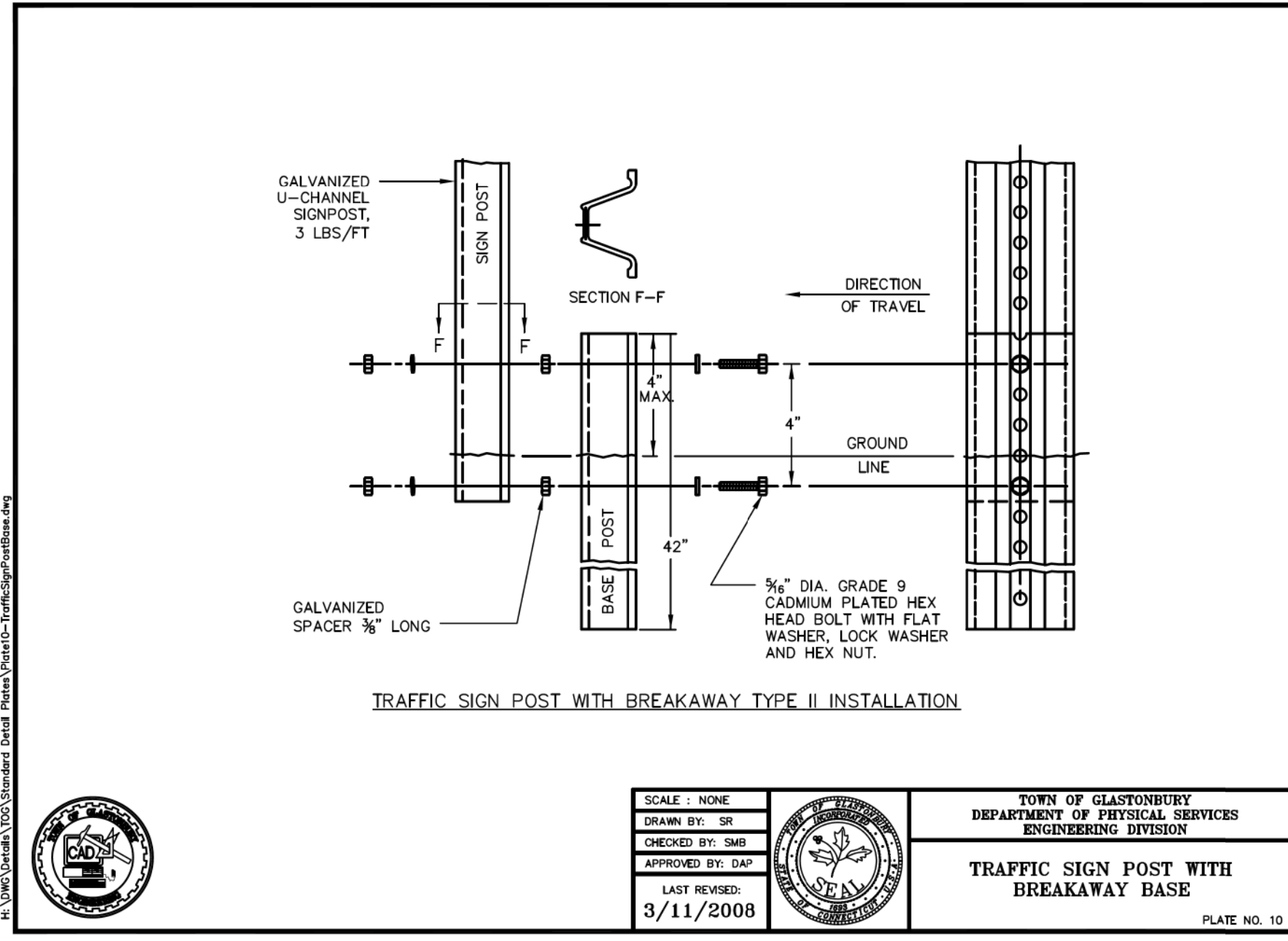
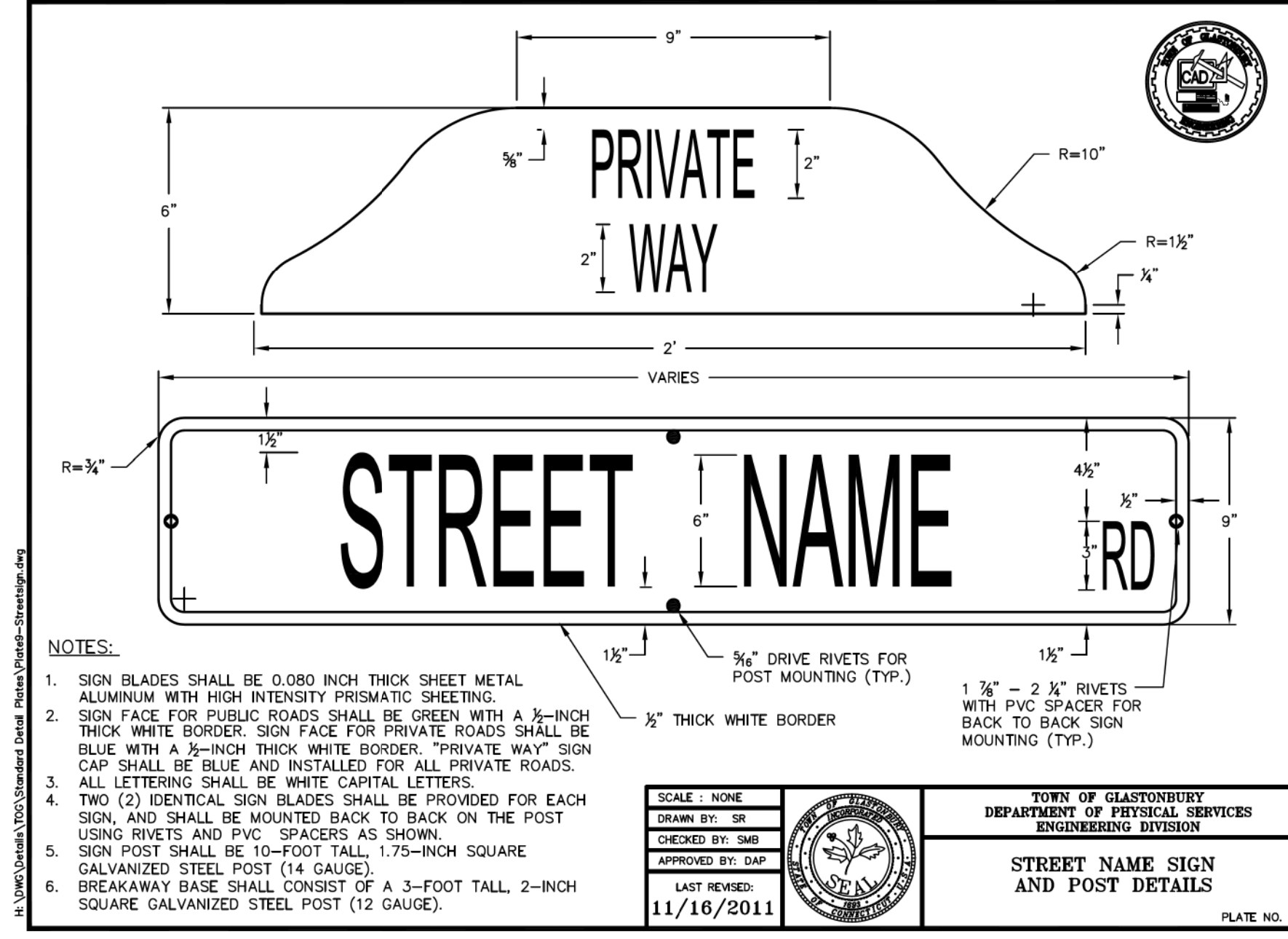
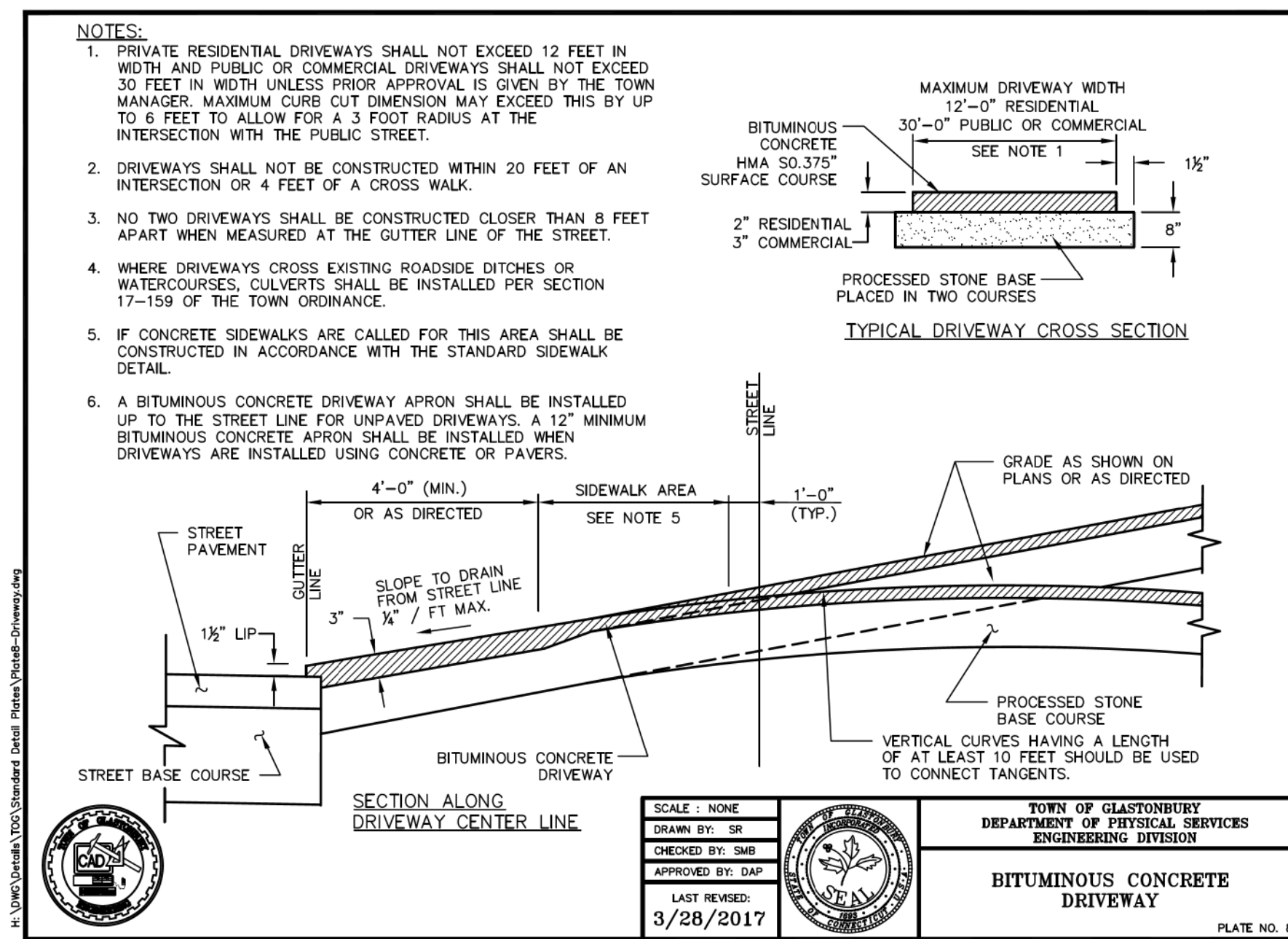
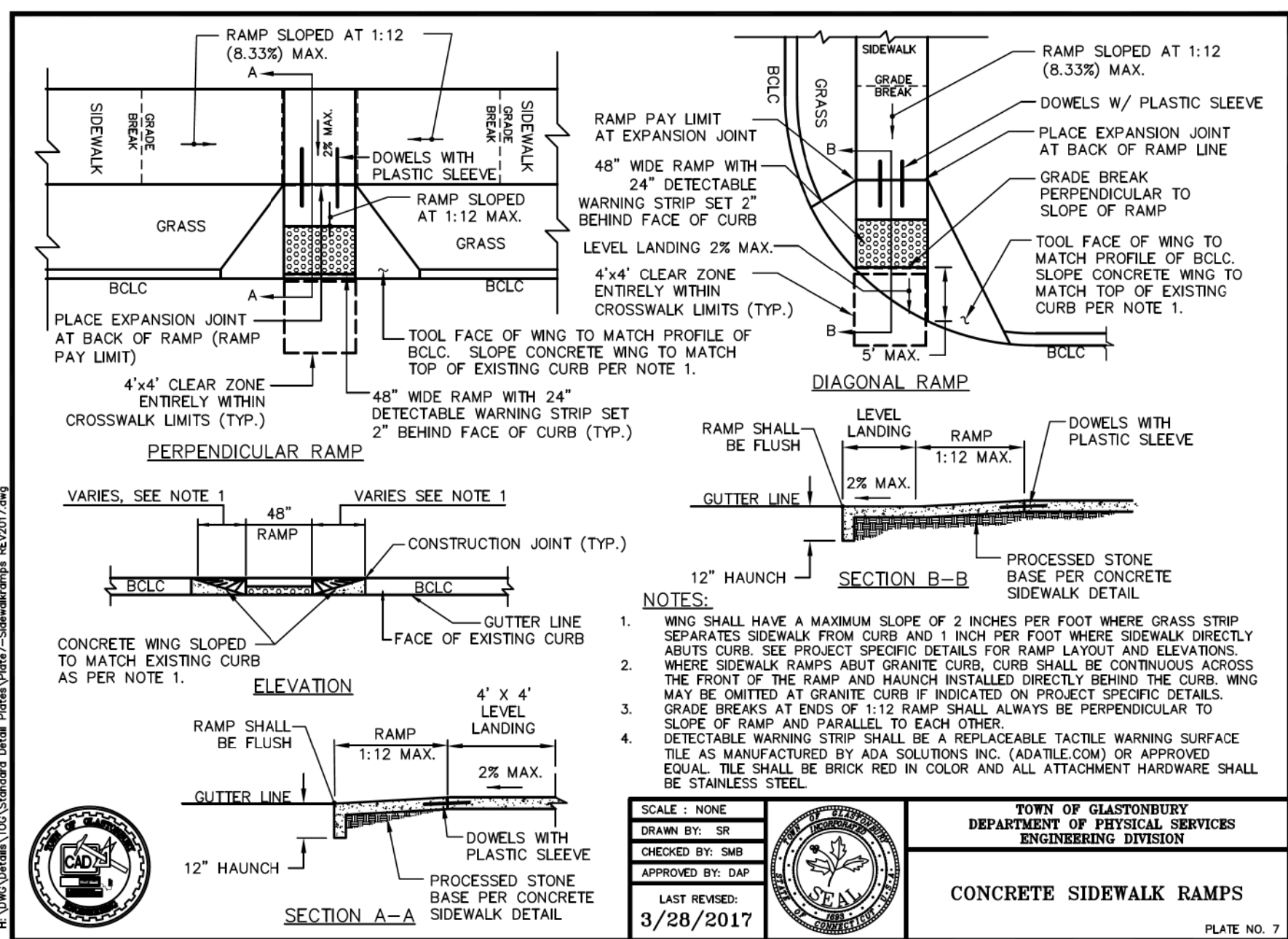
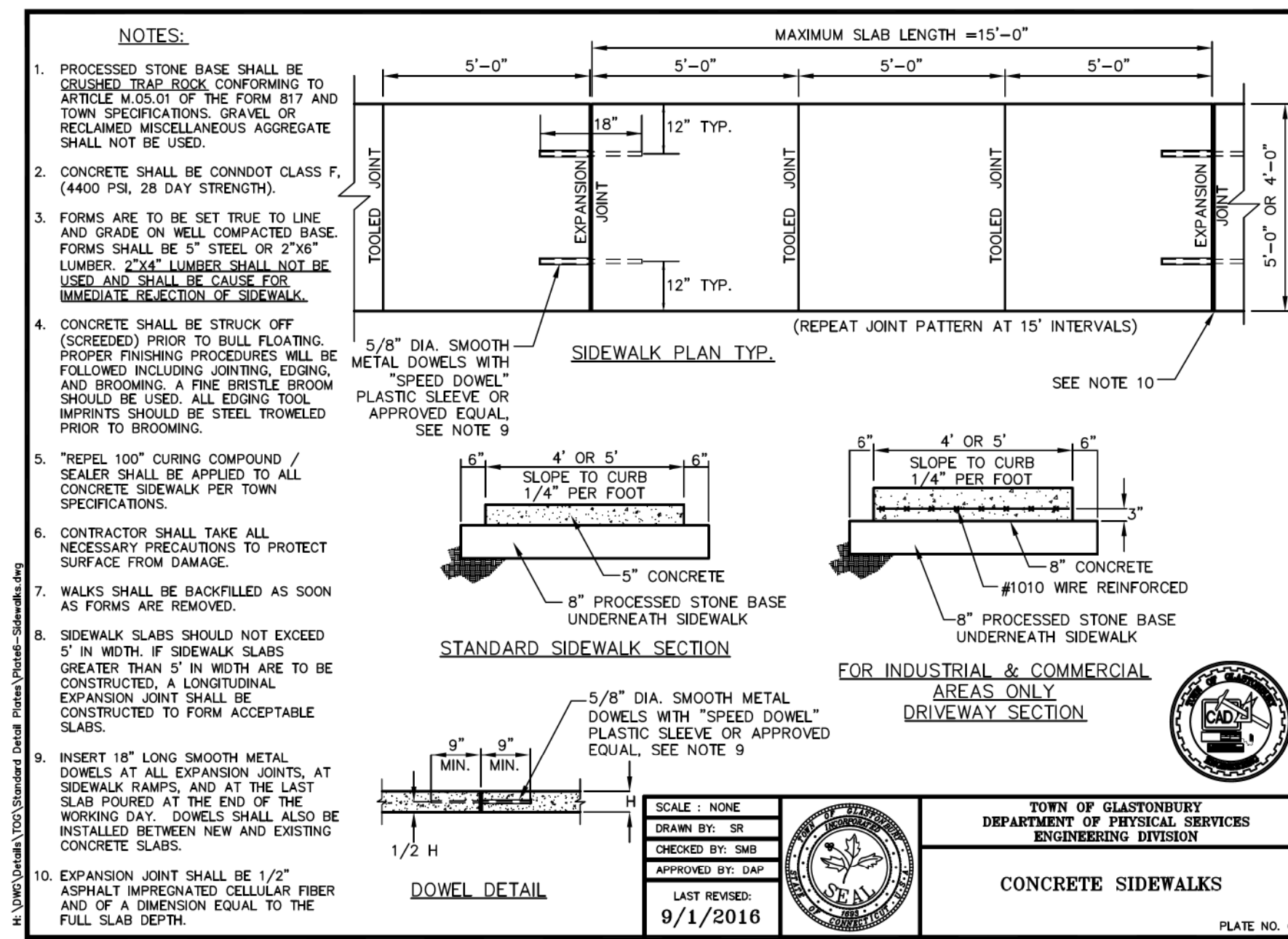
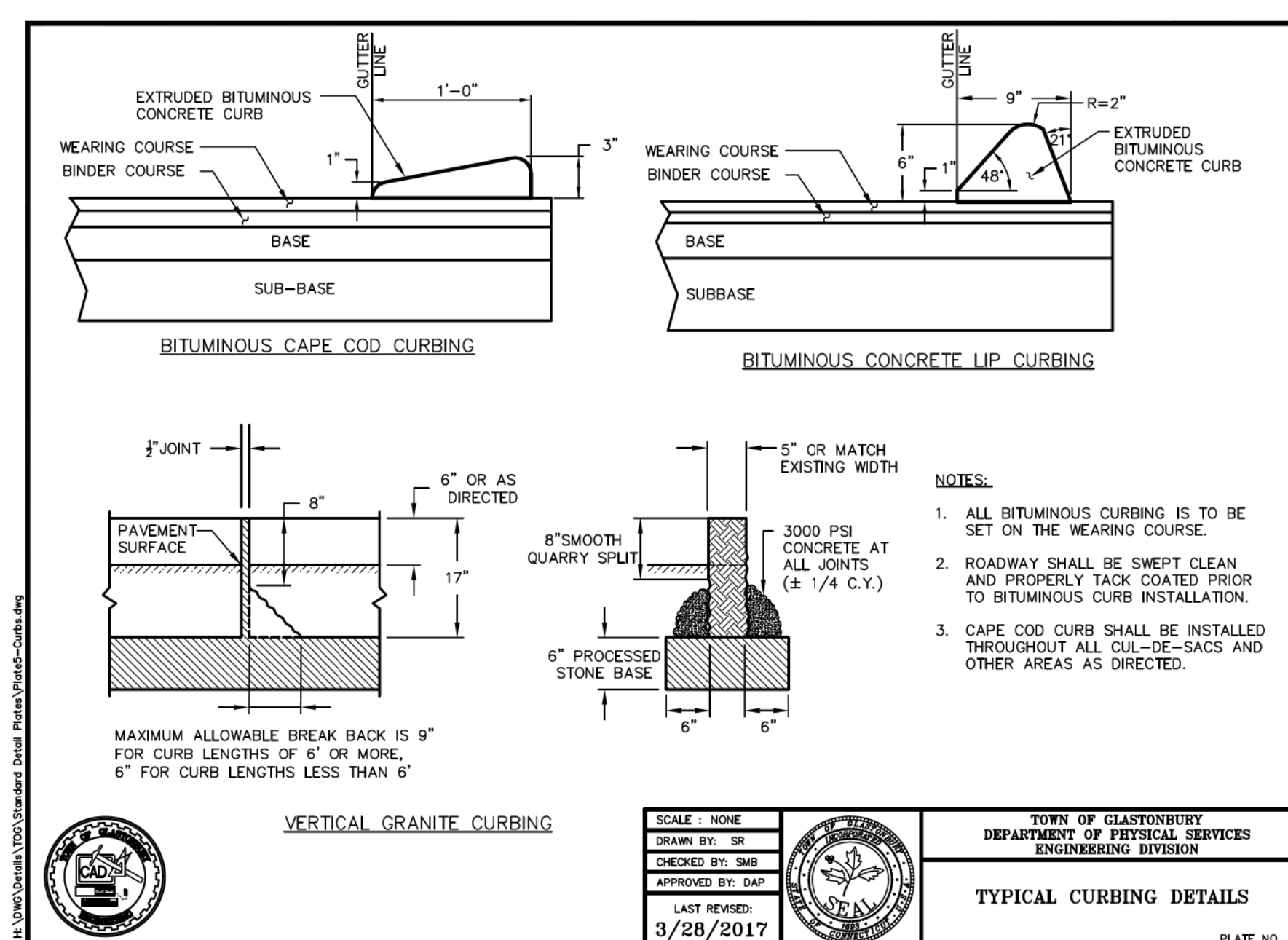
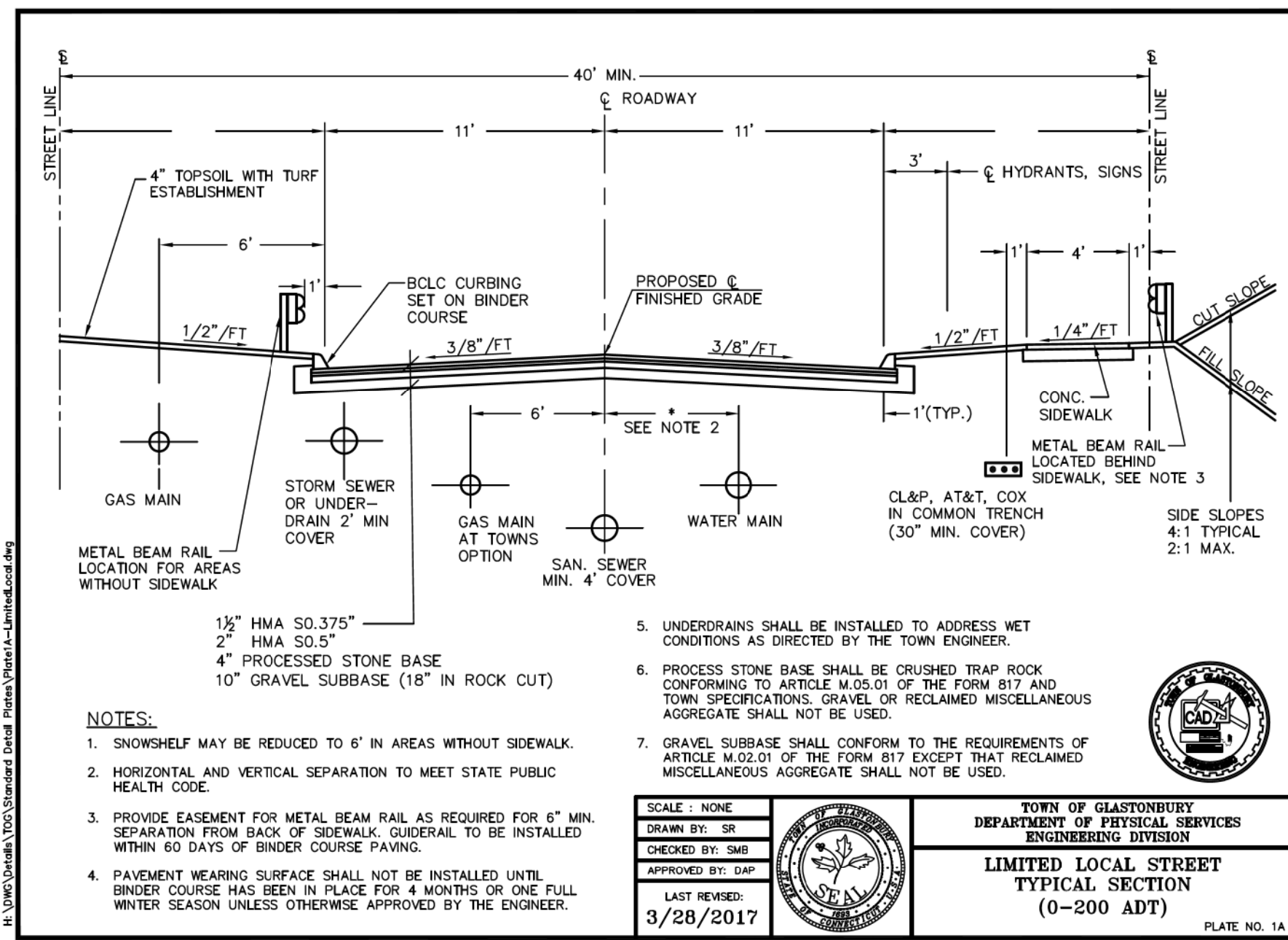
OUTLET CONTROL STRUCTURE DETAIL
NOT TO SCALE

PROPOSED 8 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
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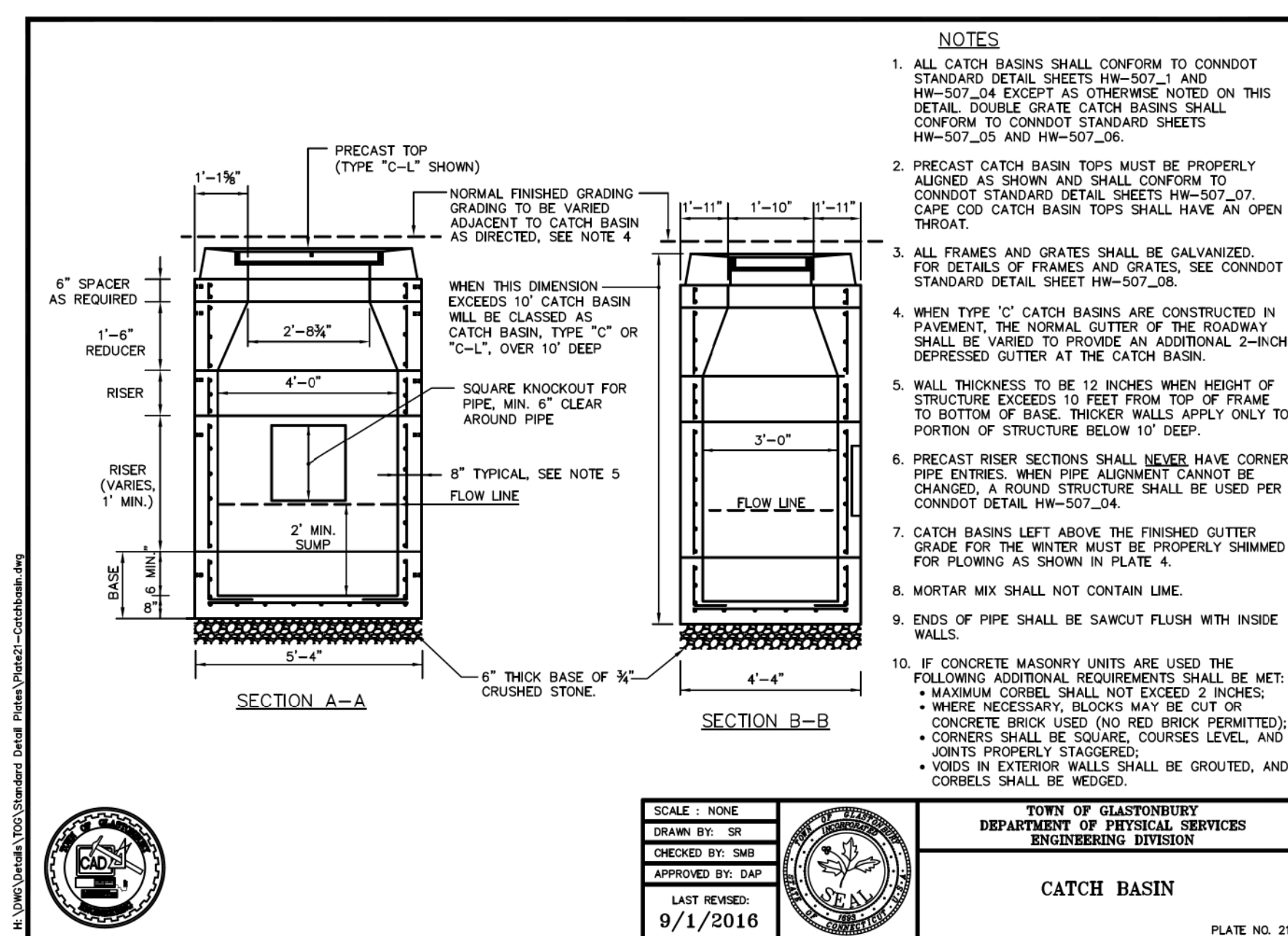
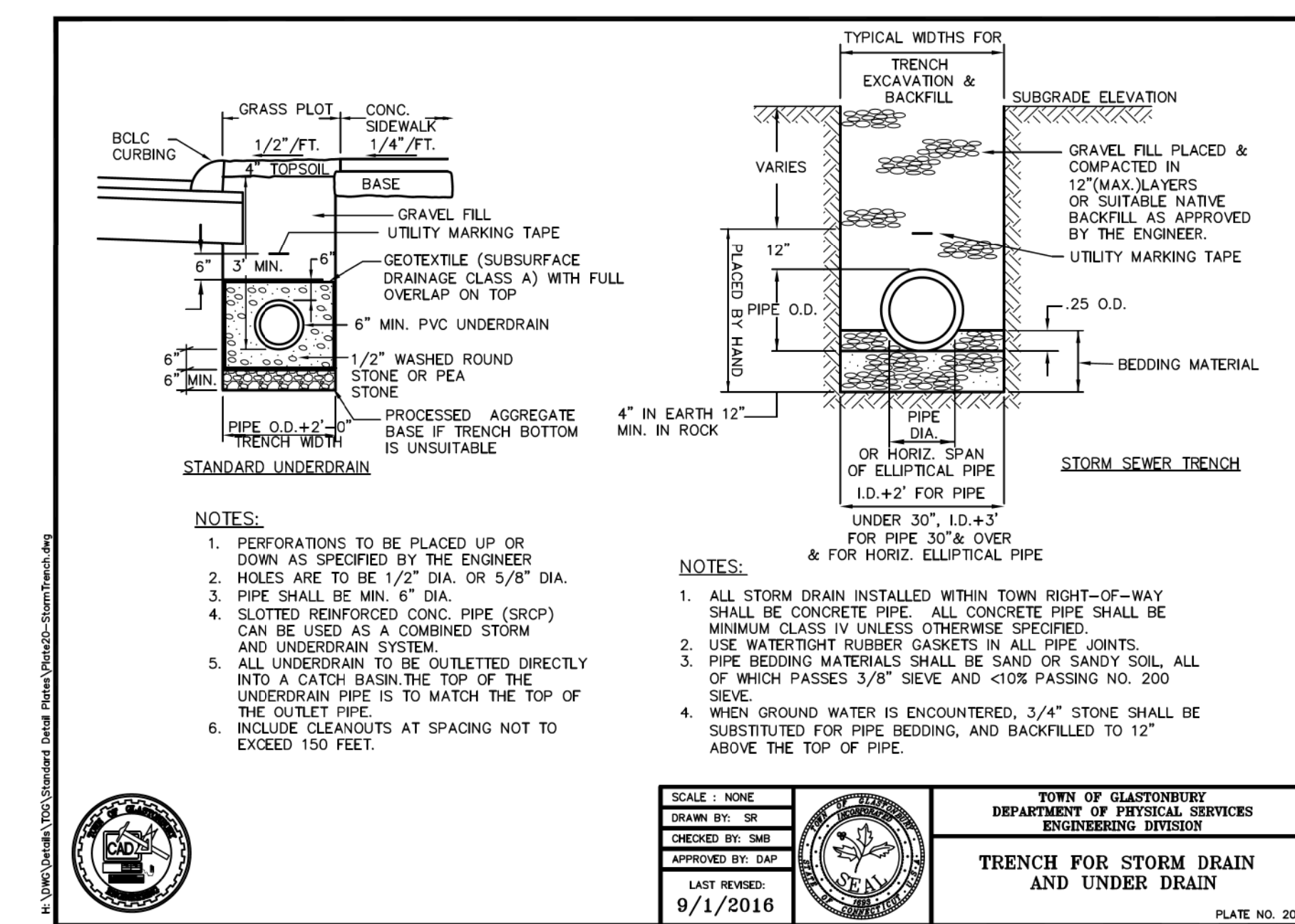
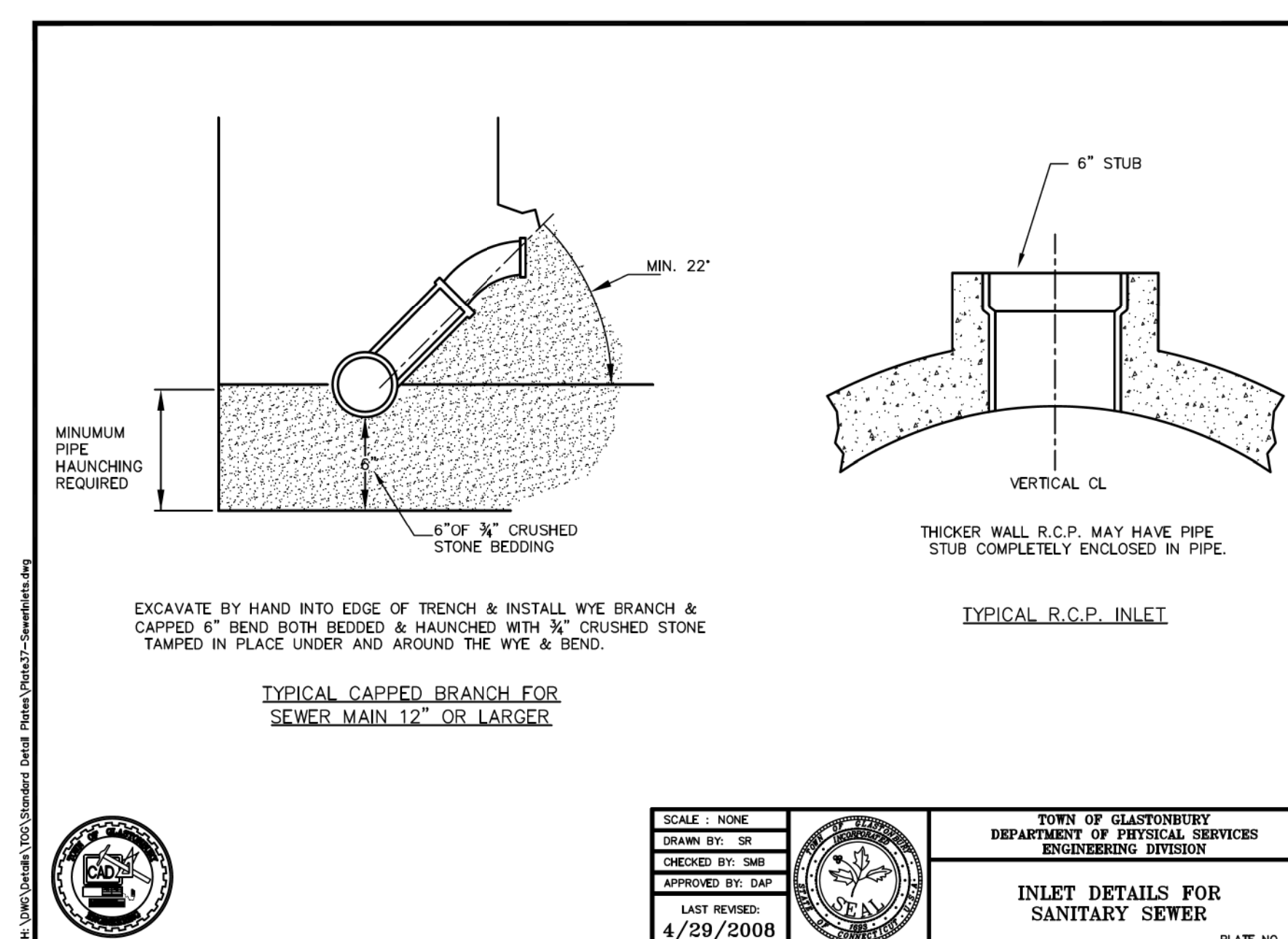
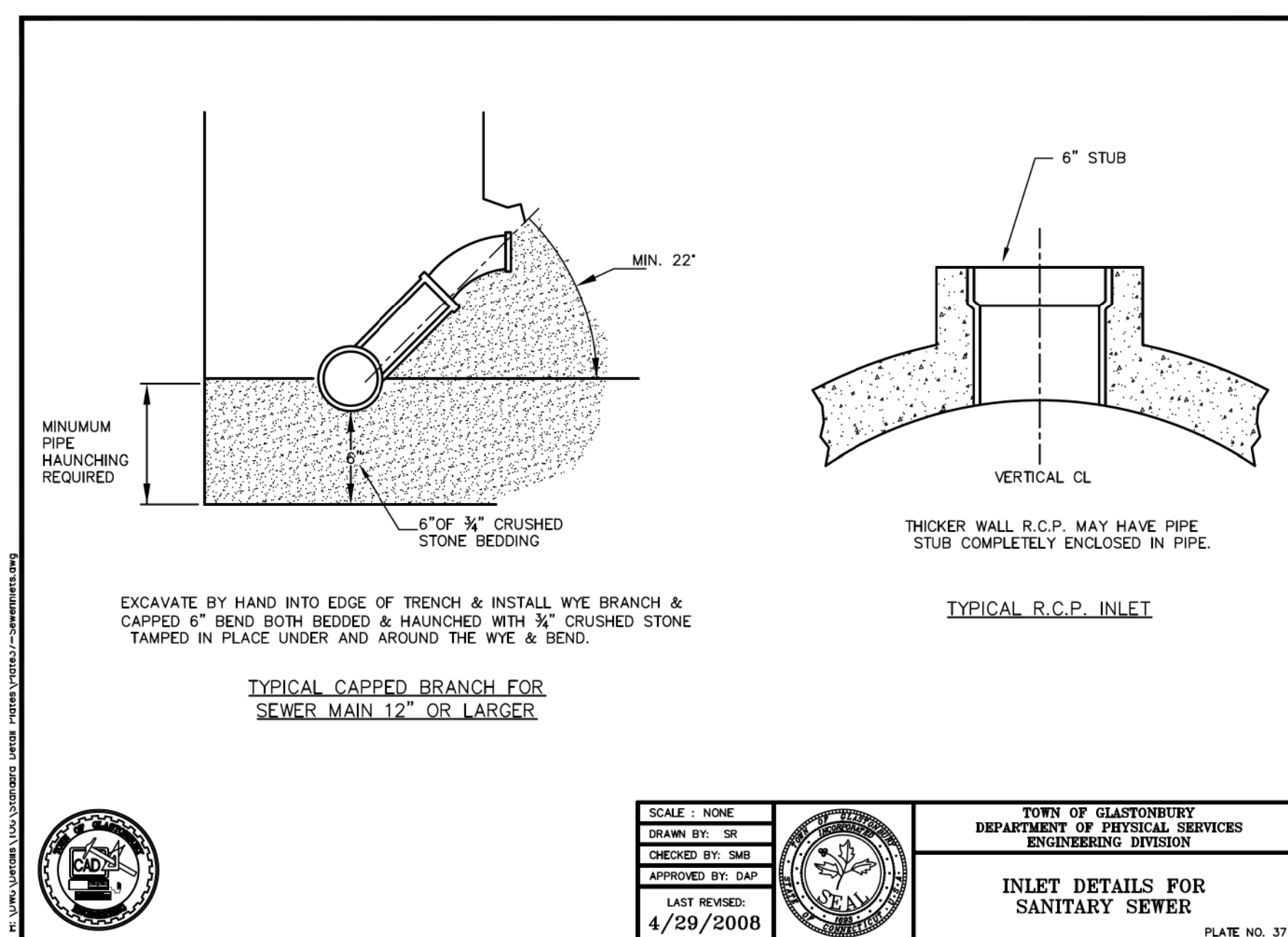
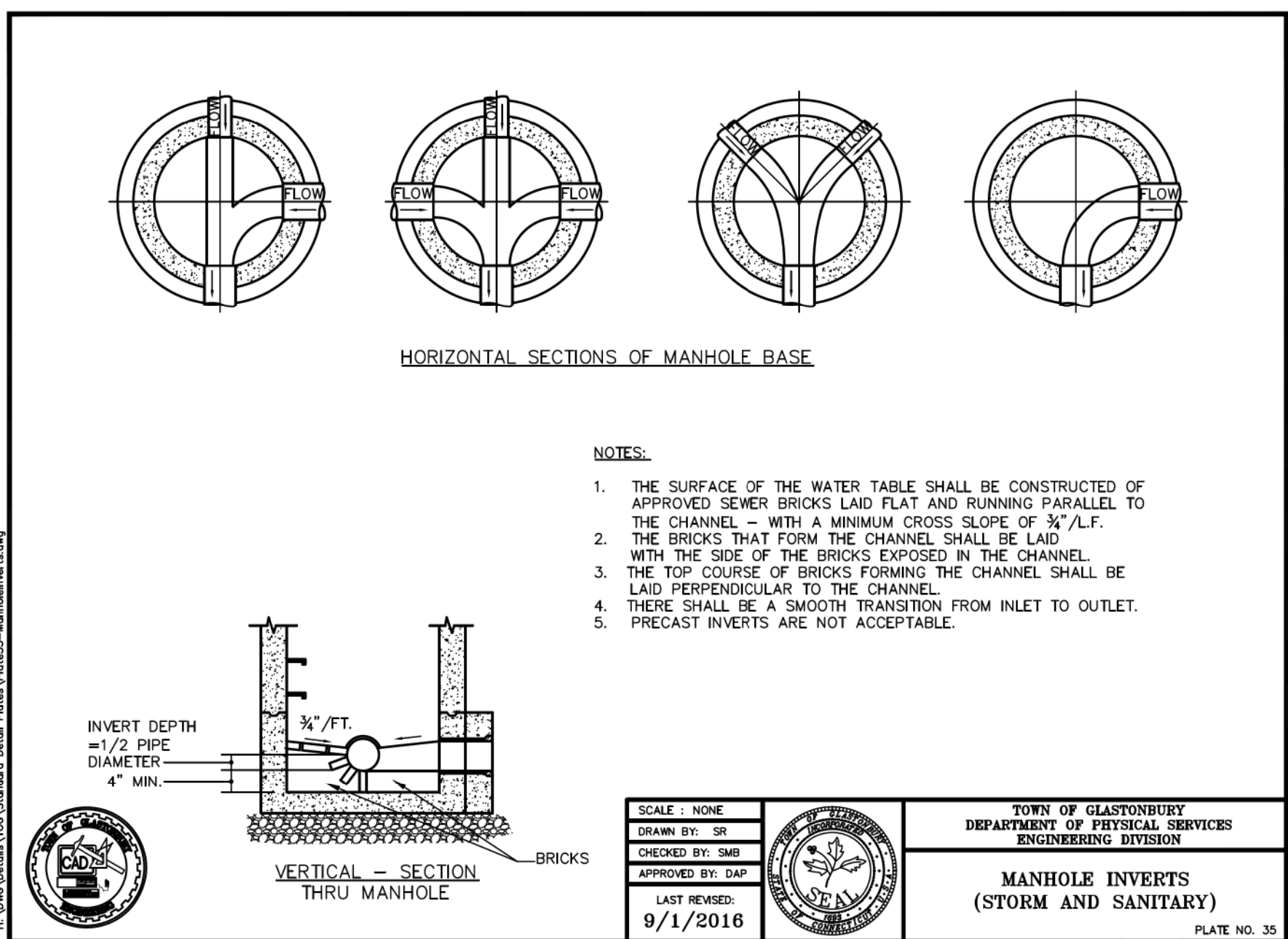
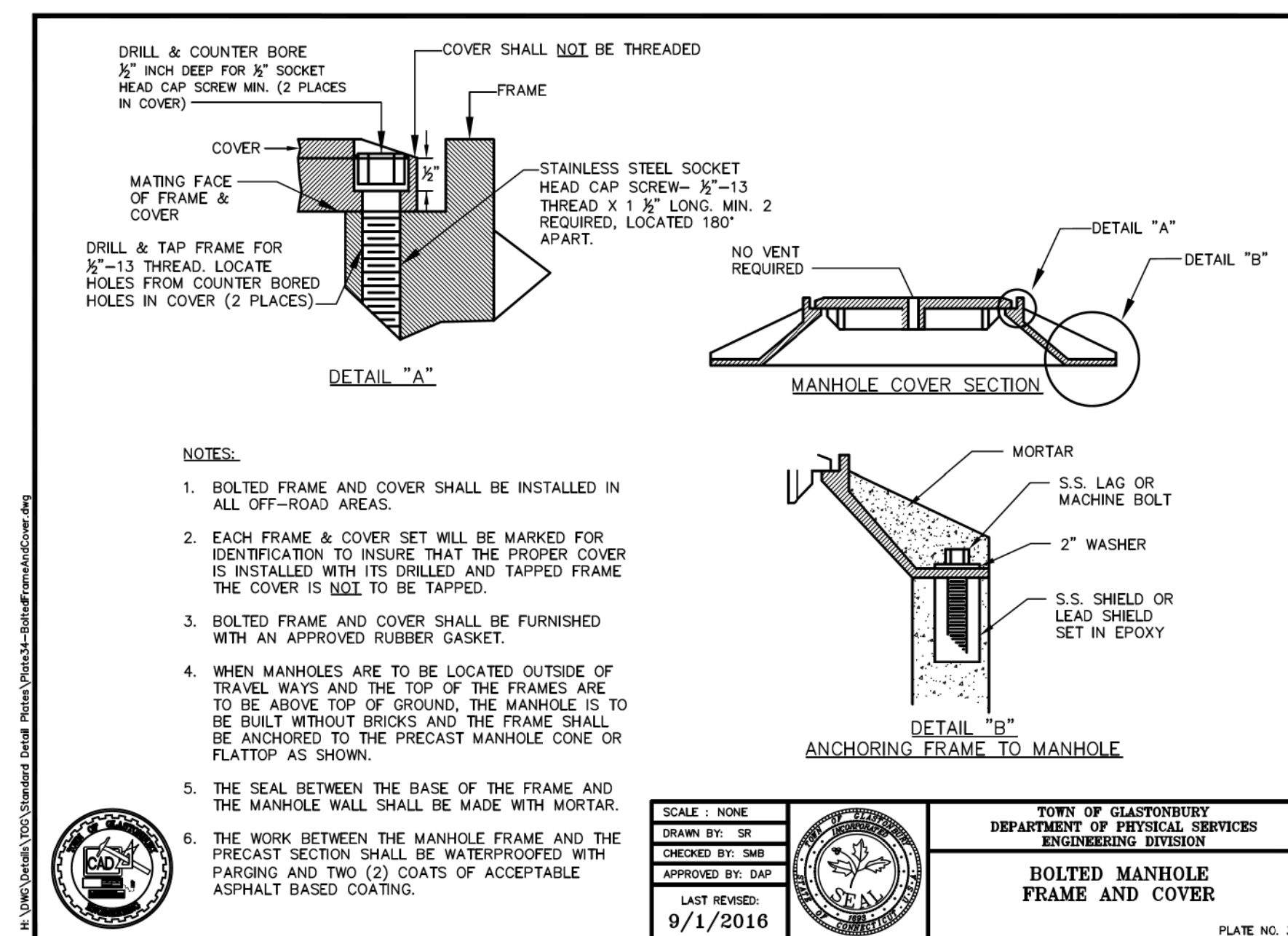
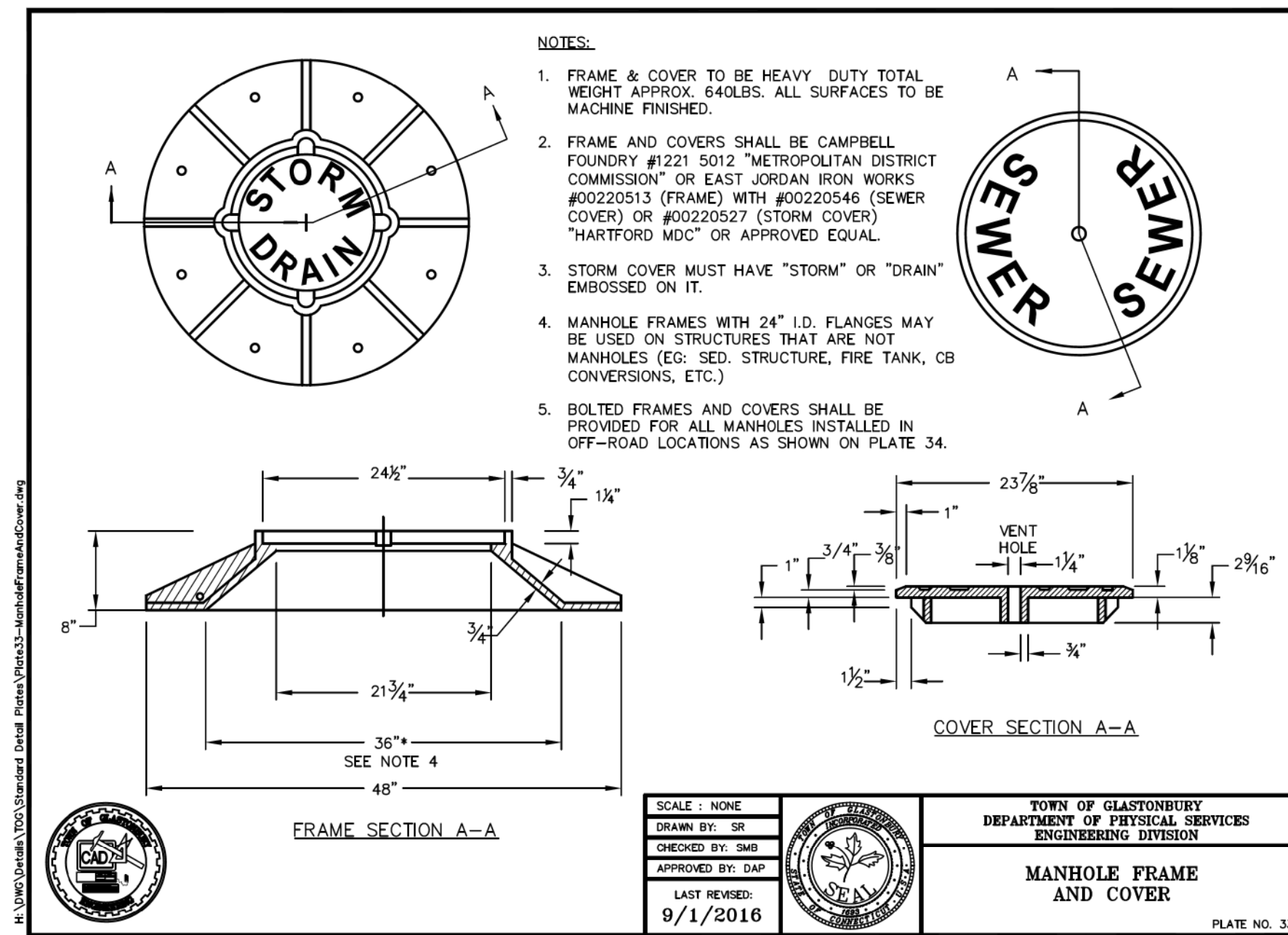
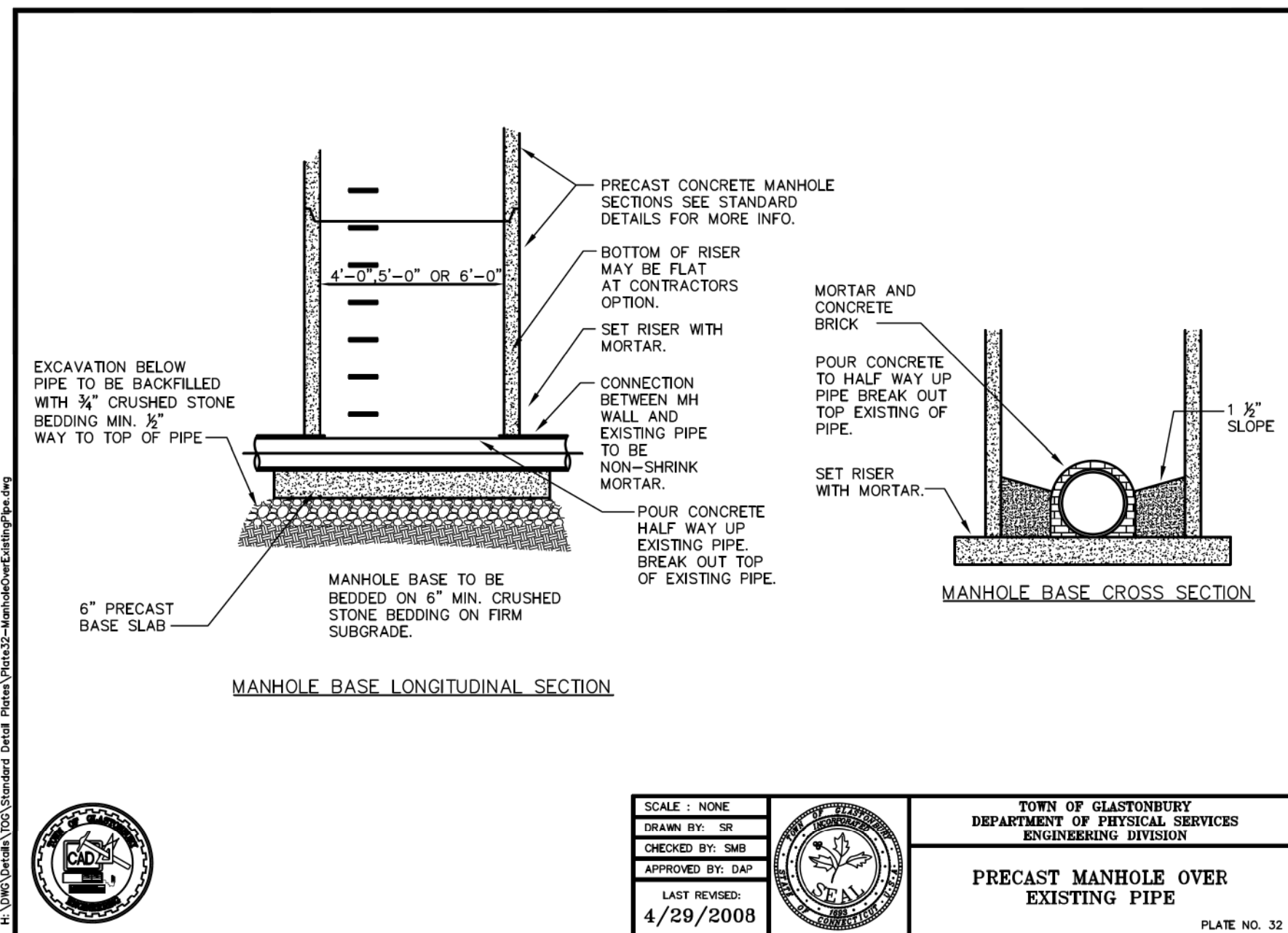
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PLOT DATE: 5/4/2021



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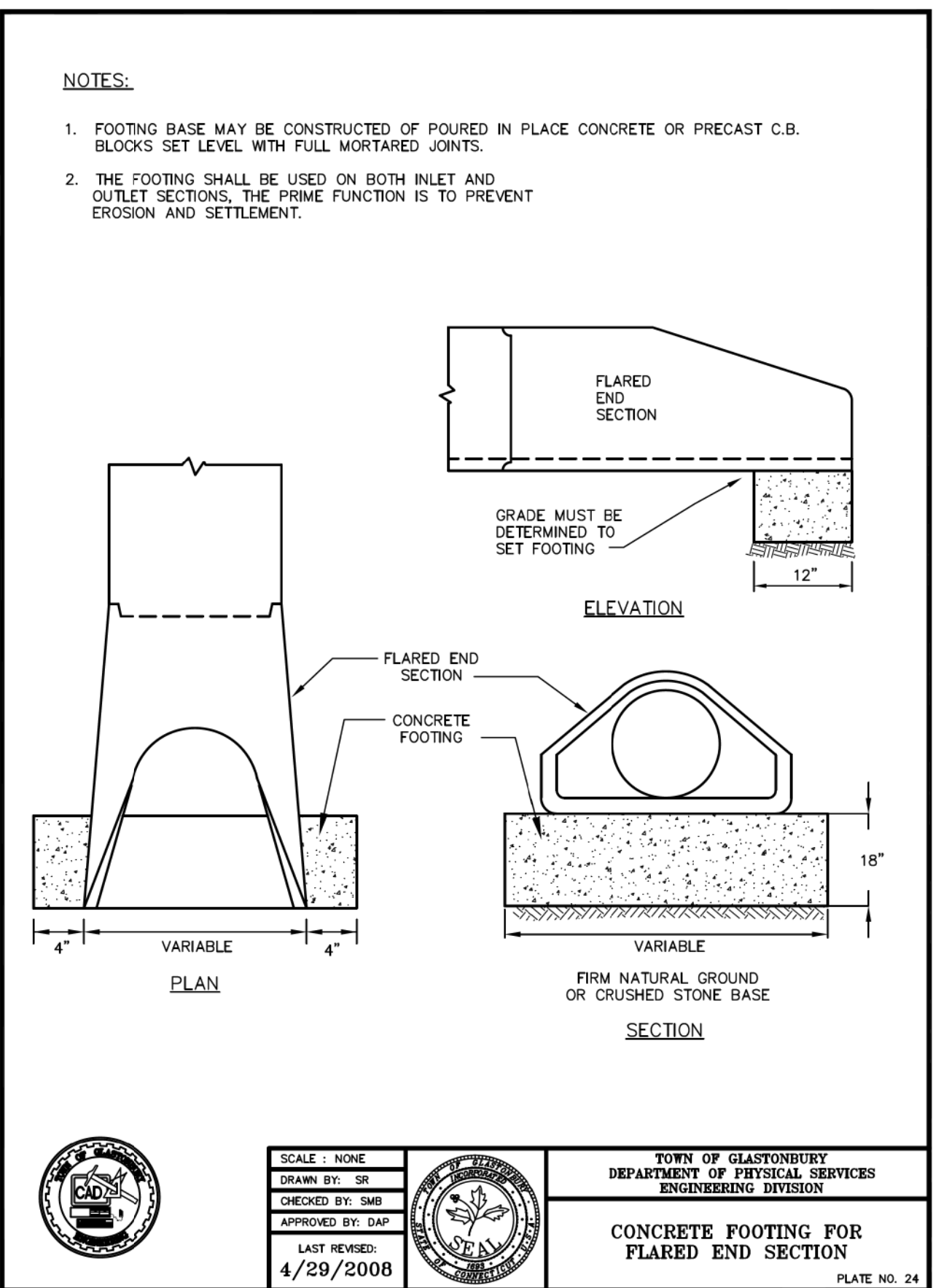
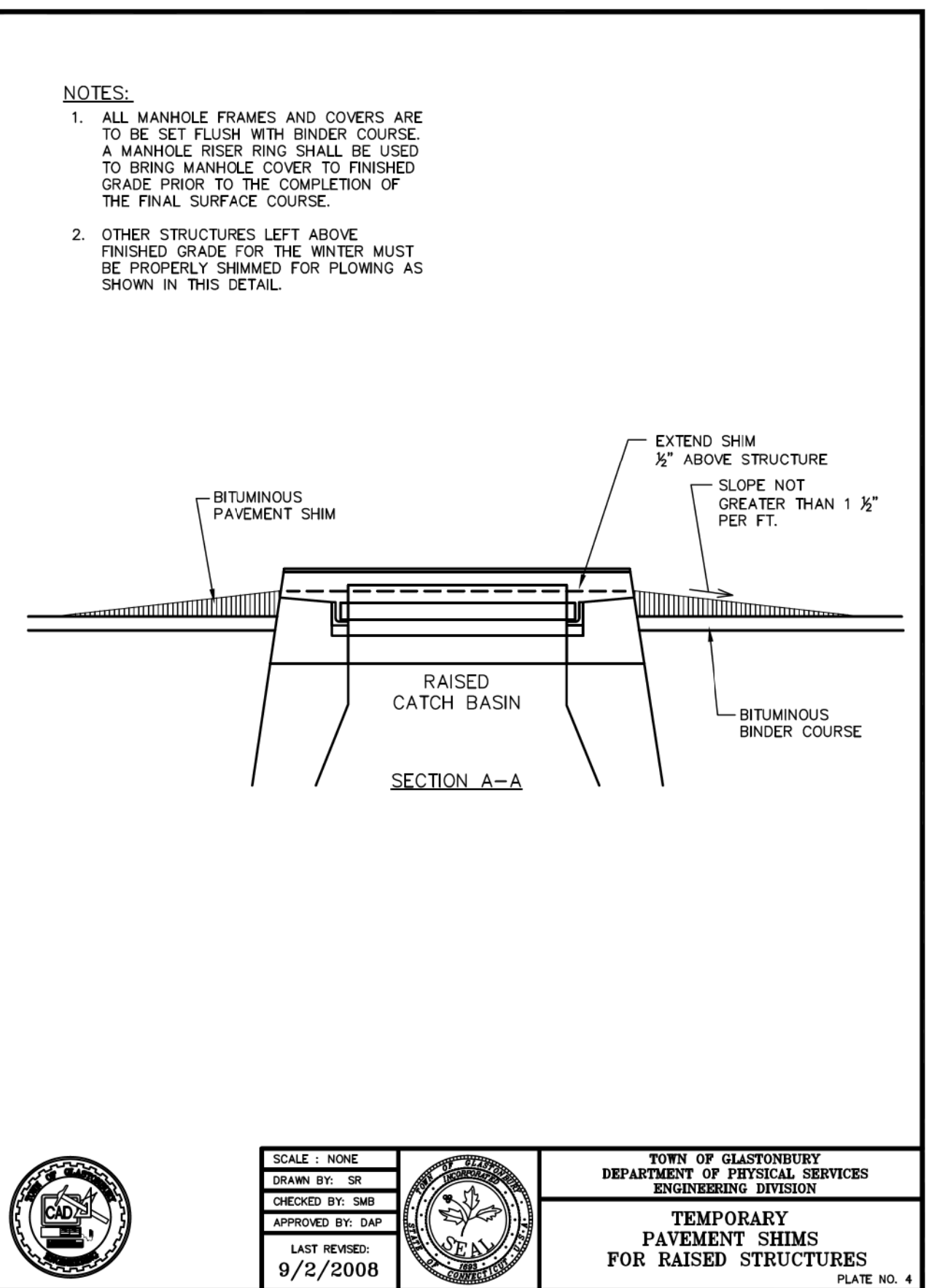
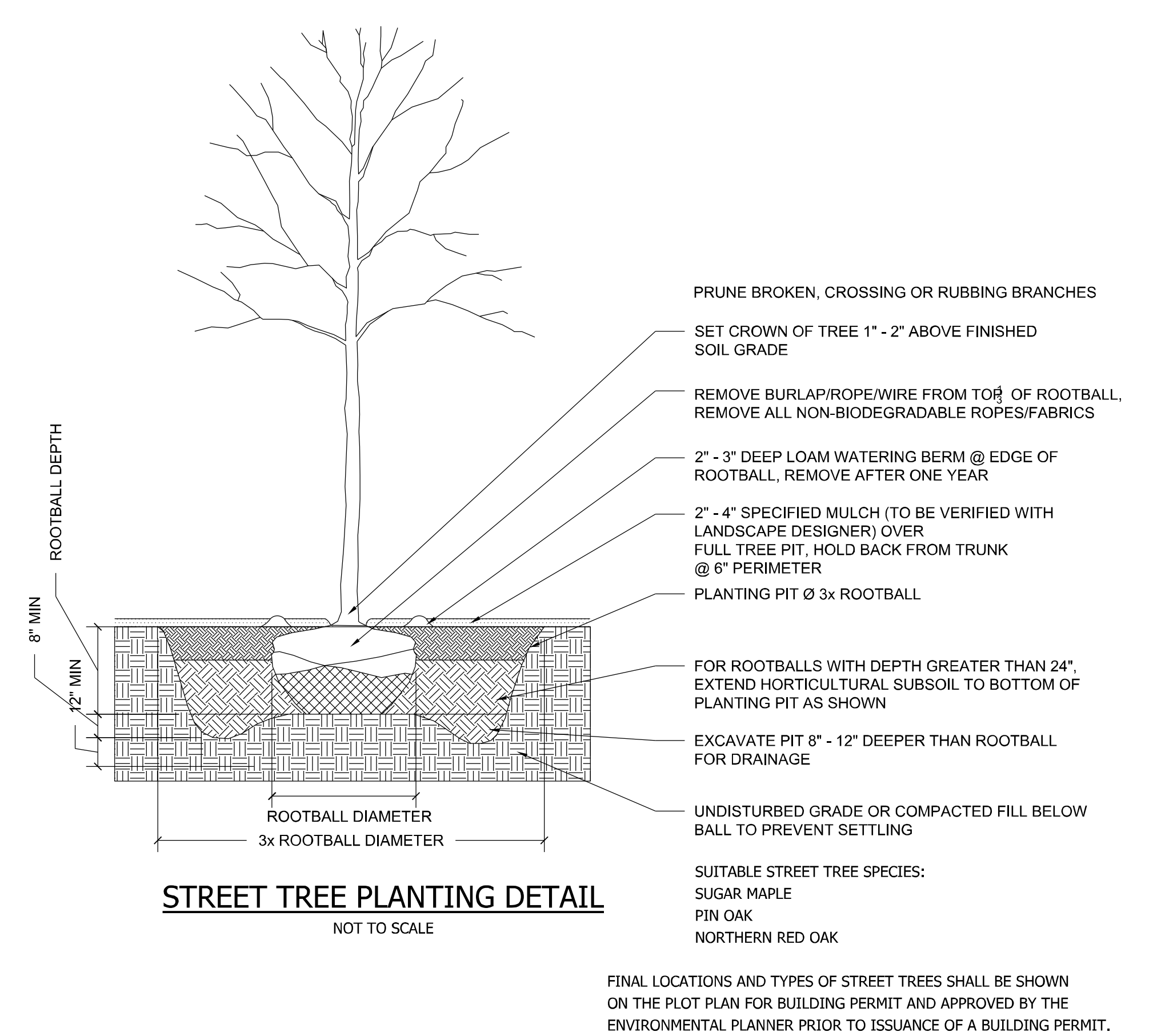
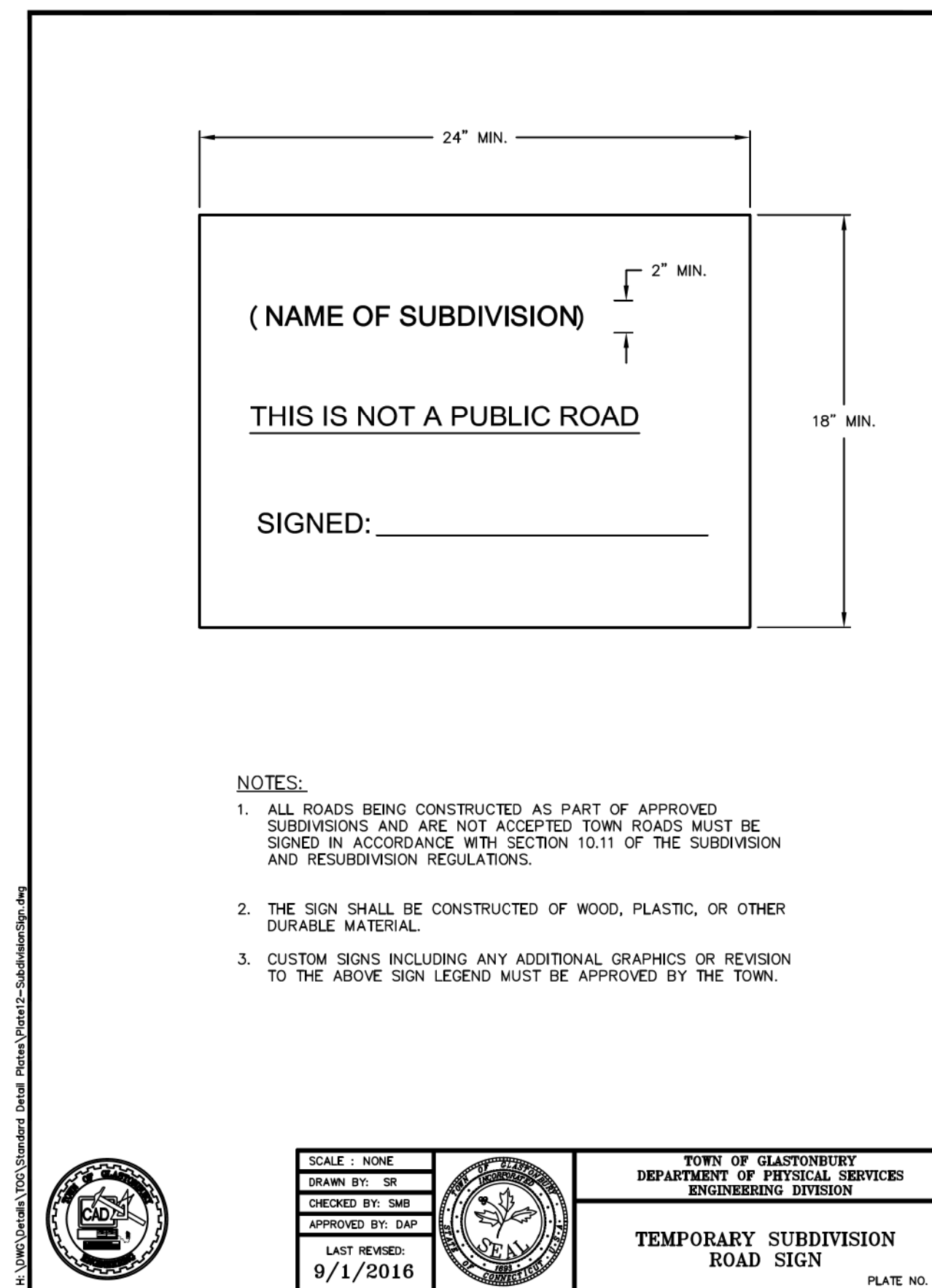
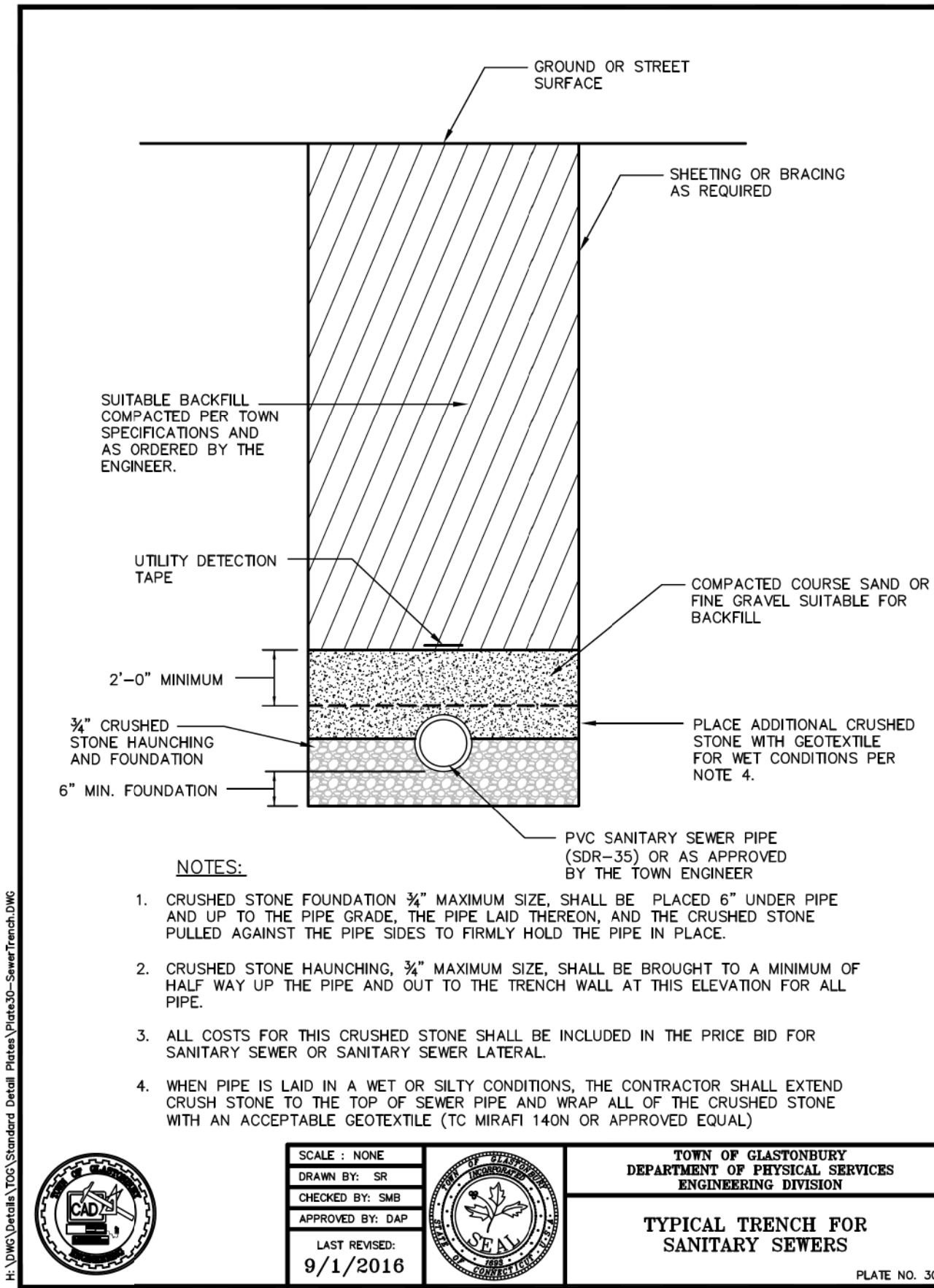
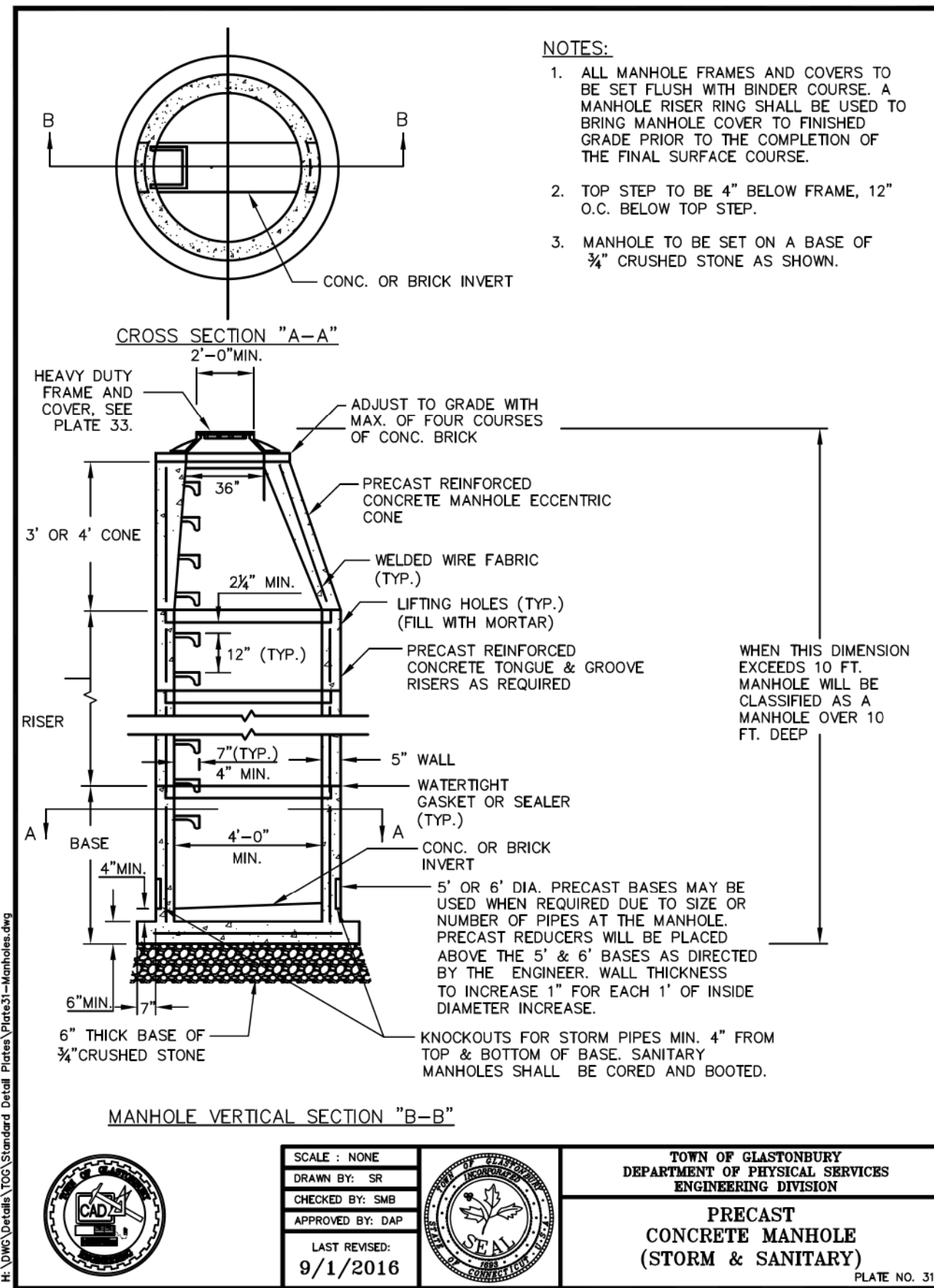
SITE LOCATION: 1040 MAIN STREET
 ASSESSOR'S MAP E10 STREET 4140 LOT E0129B
 GLASTONBURY, CT

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

WOLFF ENGINEERING

REVISIONS:
 5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER

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 8 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
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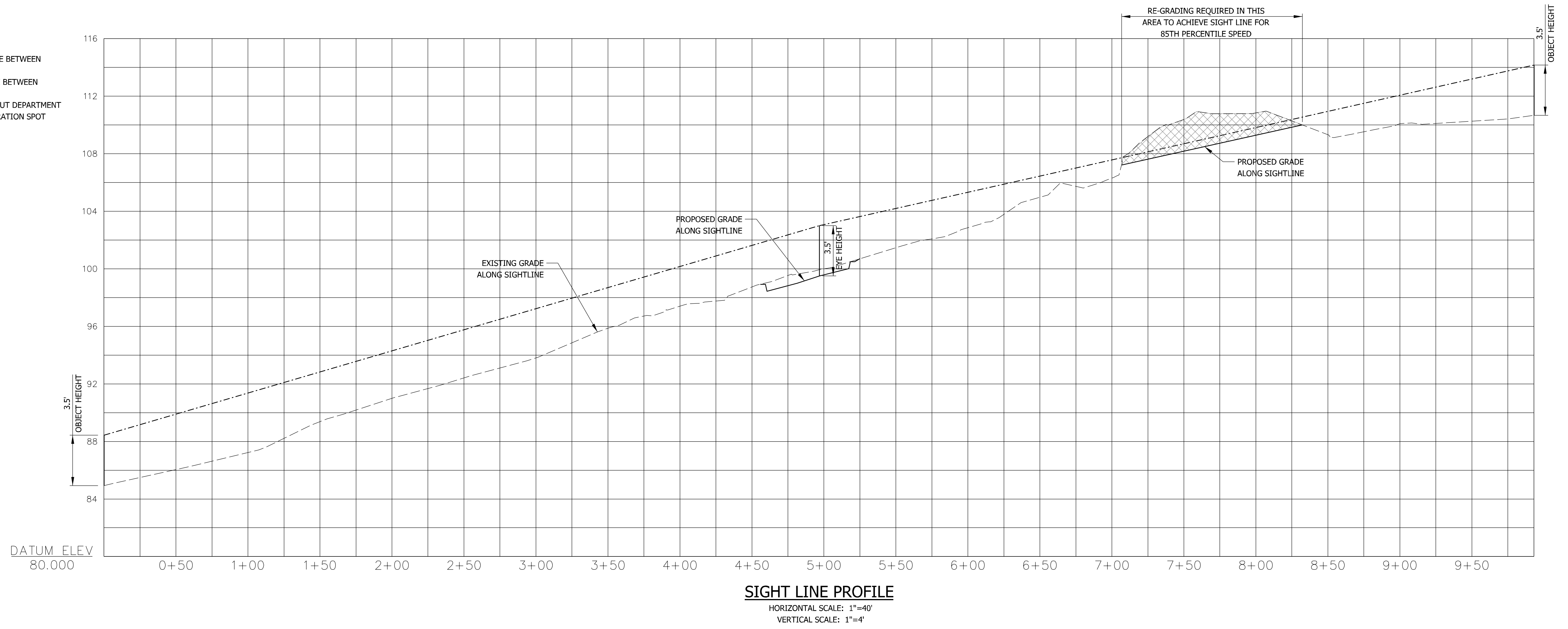
REVISIONS:
 5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER

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 17

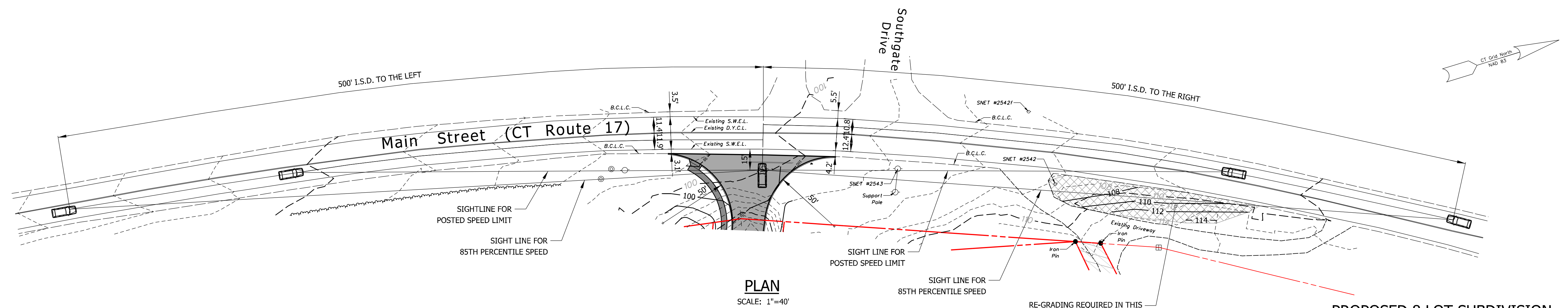
PLOT DATE: 5/4/2021

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 8 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
 GLASTONBURY, CT

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REVISIONS: 5/04/2021 REVISIONS PER ENVIRONMENTAL PLANNER	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: 5/4/2021	SHEET: 17 OF 17

