

SCALE: AS NOTED	CHECKED BY: P.A.H.
DATE: JUNE 21, 2022	DRAWN BY: G.T.
JOB No.: 2965	ACAD FILE: 2965-EX
SHEET: 1	OF: 7
REVISIONS:	

**HALLISEY, PEARSON & CASSIDY**  
 CIVIL ENGINEERS & LAND SURVEYORS  
 630 MAIN STREET, UNIT #1A  
 CROWELL, CONNECTICUT 06416  
 PHONE: (860)-529-6812, FAX: (860)-721-7709

TOPOGRAPHIC SURVEY  
 SHOWING EXISTING CONDITIONS  
 PORTION OF MEADOW LANE  
 BERLIN, CONNECTICUT  
 PREPARED FOR  
 TOWN OF BERLIN

LIMITS OF WETLANDS  
 DELINEATED BY GEORGE LOGAN  
 OF REMA ECOLOGICAL SERVICES  
 ON SEPT. 19, 2019

PROP. DRAINAGE EASEMENT  
 IN FAVOR OF TOWN OF BERLIN  
 TO BE ACQUIRED FROM  
 ASHLEY TORVINEN  
 AREA = 137 sq. ft.±

20' WIDE STORM  
 SEWER R.O.W.  
 IN FAVOR OF THE  
 TOWN OF BERLIN

TEST PIT  
 TOP OF 6" GAS MAIN EL.=91.87  
 BIT. EL.=95.84

TEST PIT  
 TOP OF GAS MAIN EL.=91.79  
 GRND. EL.=95.8

TEST PIT  
 TOP OF D.I.P. WATER MAIN EL.=90.90  
 BIT. EL.=95.84

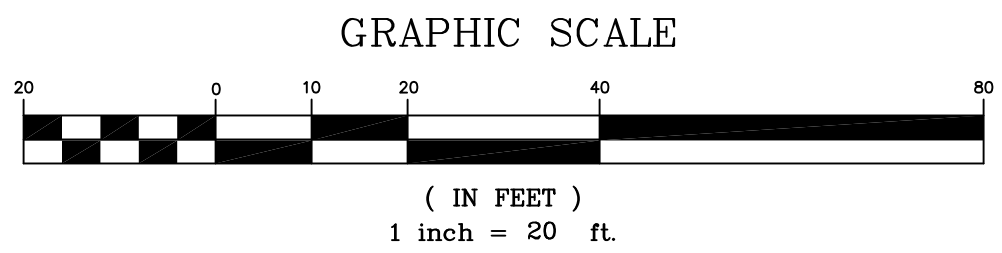
**NOTES:**

- SURVEY NOTES:**
  - This survey has been prepared pursuant to the Regulation of Connecticut State Agencies Section 20-300b-1 Through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996.
  - Type Of Survey is TOPOGRAPHIC
  - Boundary Determination Category is RESURVEY
  - Class of Accuracy is : TOPO.-"1-2", VERT.-"V-2".
- PROPERTY LIES IN FLOOD ZONE "X" (UNSHADED) MINIMUM RISK AREAS OUTSIDE 1% & 0.2% ANNUAL CHANCE FLOOD PLAINS PER F.I.R.M. NO. 09003C0607F. PANEL 607 OF 675. DATED: SEPTEMBER 26, 2008.
- PROPERTY MAY BE BURDENED AND/OR BENEFITED BY RECORDED AND/OR UNRECORDED EASEMENTS.
- ELEVATIONS BASED ON NAVD 88 OBTAINED BY GPS FIELD OBSERVATIONS, CONTOUR INTERVAL=1 FOOT.
- UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM VERBAL TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO HALLISEY, PEARSON AND CASSIDY ENGINEERING ASSOCIATES. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.
- PROPERTY & STREET LINES AS SHOWN ARE APPROXIMATE.

**LEGEND**

	EXISTING PROPERTY LINE
	EXISTING EDGE OF PAVEMENT
	EXISTING TELEPHONE POLE
	EXISTING BIT. CURB
	EXISTING STORM DRAINAGE SYSTEM
	EXISTING WATER MAIN
	EXISTING SANITARY SEWER
	EXISTING CONTOUR
	EXISTING SPOT GRADE

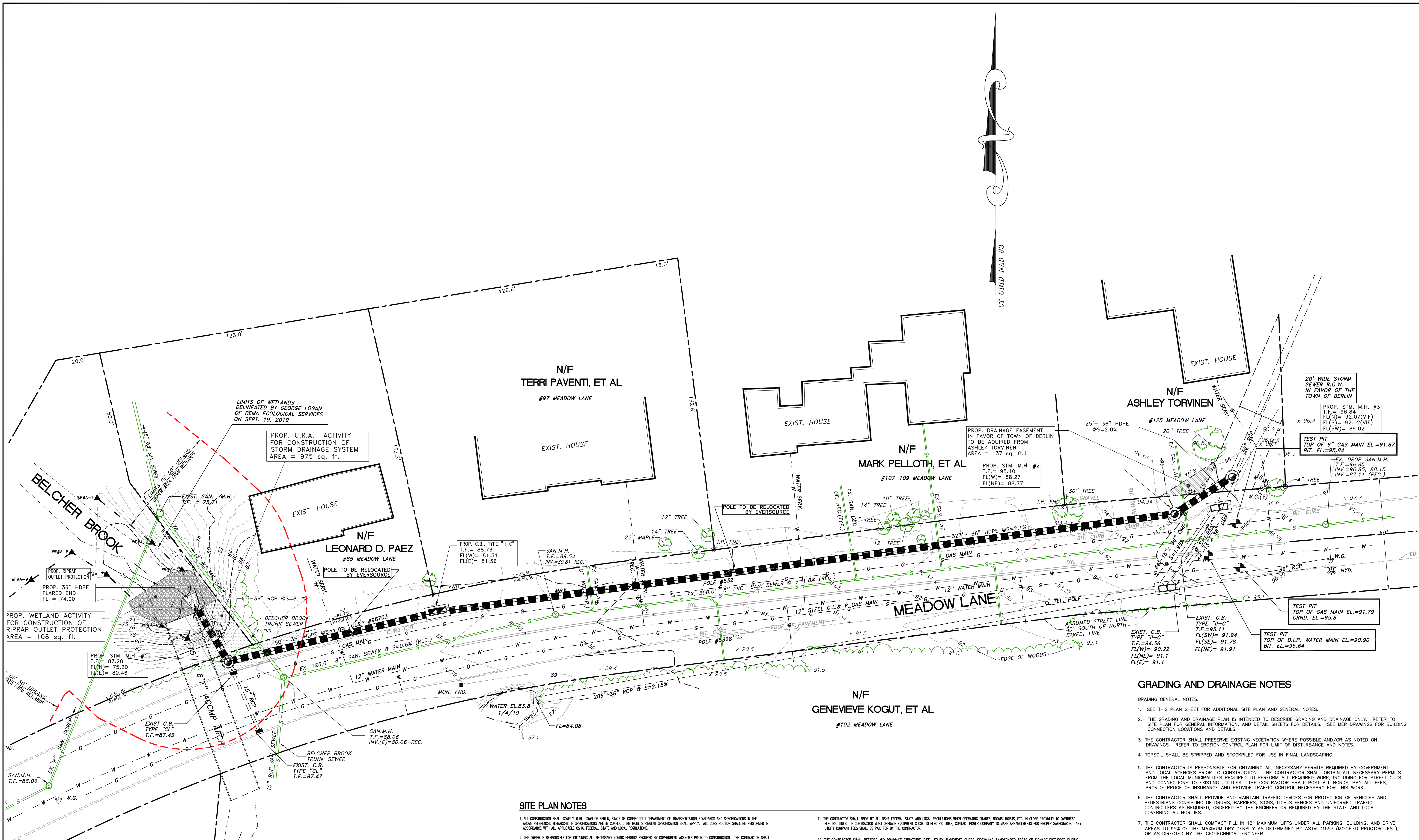
x 100.0



TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON:

*Paul A. Hallisey*  
 PAUL A. HALLISEY, L.S. LIC. NO. 7761 DATE NOVEMBER 27, 2019

THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE SIGNATURE AND EMBOSSED SEAL OF THE DESIGNATED LICENSED PROFESSIONAL. UNAUTHORIZED ALTERATIONS TO THIS PLAN RENDER THE DECLARATION HEREON NULL AND VOID. VALID ONLY ON MAPS BEARING EMBOSSED SURVEYOR'S SEAL

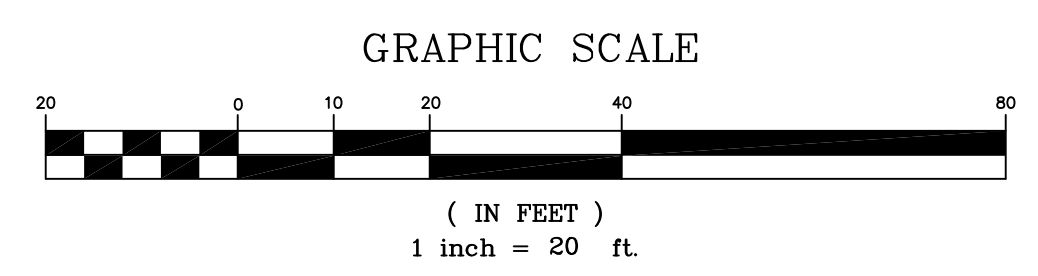
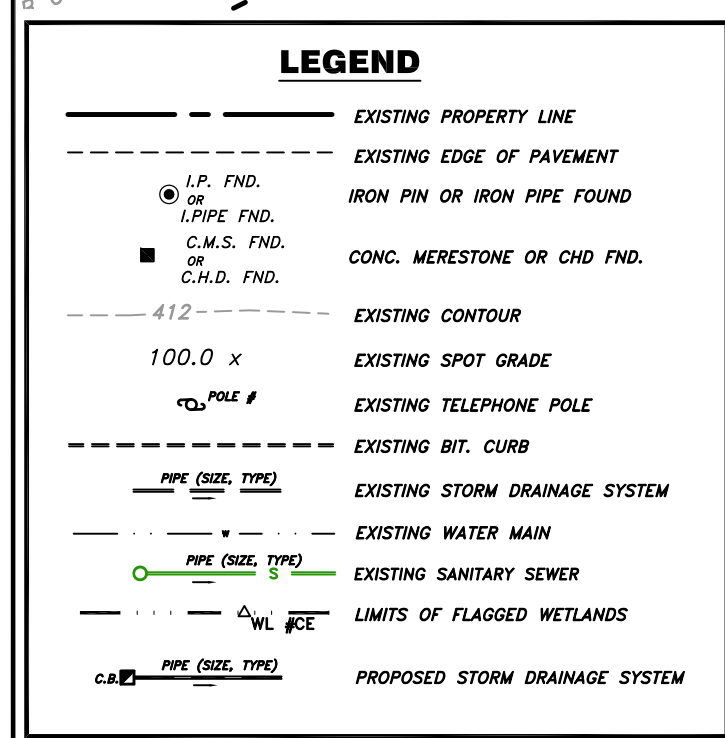


**GRADING AND DRAINAGE NOTES**

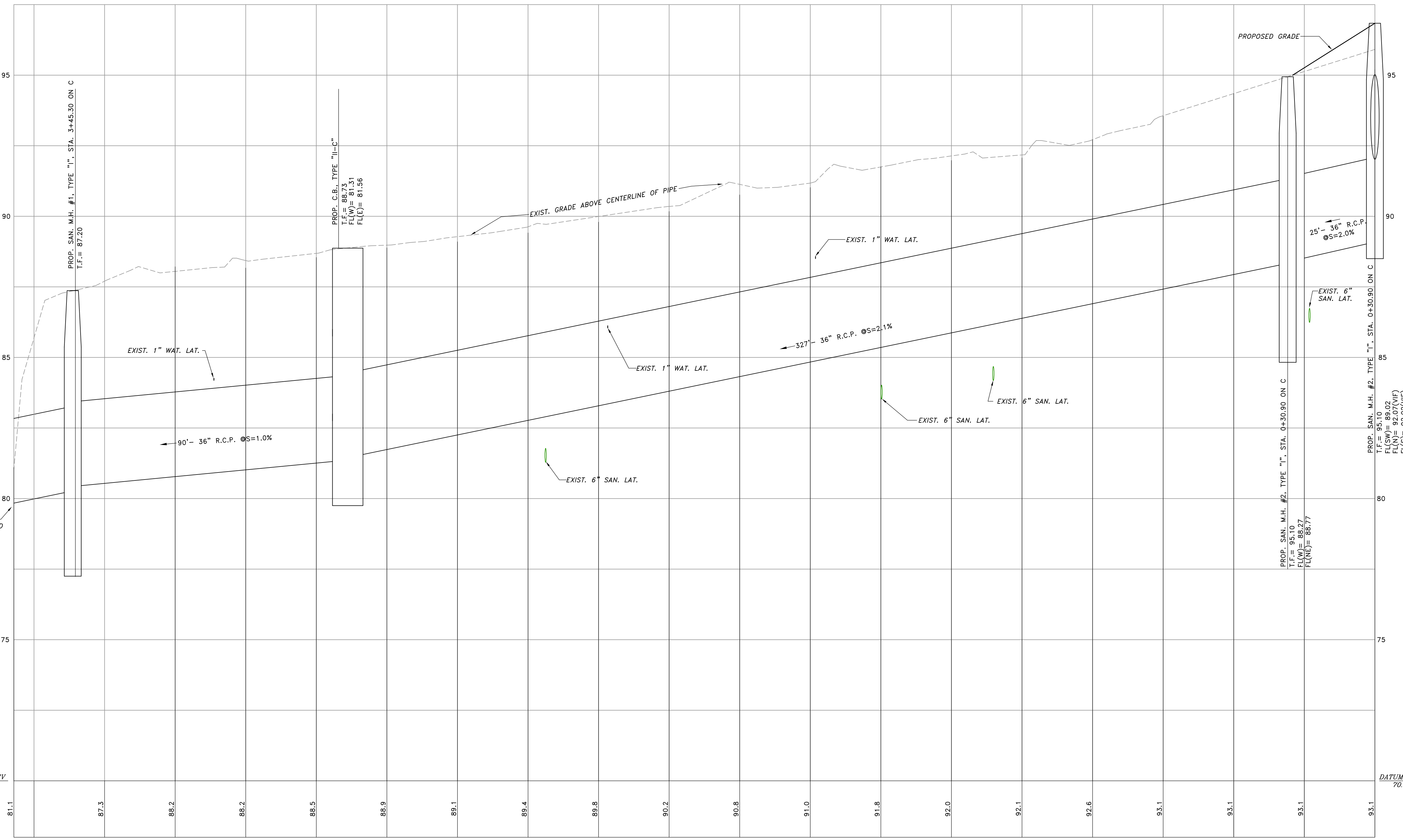
- GRADING GENERAL NOTES:
- SEE THIS PLAN SHEET FOR ADDITIONAL SITE PLAN AND GENERAL NOTES.
  - THE GRADING AND DRAINAGE PLAN IS INTENDED TO DESCRIBE GRADING AND DRAINAGE ONLY. REFER TO SITE PLAN FOR GENERAL INFORMATION, AND DETAIL SHEETS FOR BUILDING CONNECTION LOCATIONS AND DETAILS.
  - THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS. REFER TO EROSION CONTROL PLAN FOR LIMIT OF DISTURBANCE AND NOTES.
  - TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING.
  - THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED BY GOVERNMENT AND LOCAL AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL MUNICIPALITIES REQUIRED TO PERFORM ALL REQUIRED WORK, INCLUDING FOR STREET CUTS AND CONNECTIONS TO EXISTING UTILITIES. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
  - THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF DRUMS, BARRIERS, SIGNS, LIGHTS, FENCES AND UNIFORMED TRAFFIC CONTROLLERS AS REQUIRED, ORDERED BY THE ENGINEER OR REQUIRED BY THE STATE AND LOCAL GOVERNING AUTHORITIES.
  - THE CONTRACTOR SHALL COMPACT FILL IN 12" MAXIMUM LIFTS UNDER ALL PARKING, BUILDING, AND DRIVE AREAS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR TEST), OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
  - UNDERDRAINS SHALL BE ADDED, IF DETERMINED NECESSARY IN THE FIELD BY THE DESIGN OR TOWN ENGINEER. AFTER SURFACE IS ROUGH GRADED, AS APPROVED BY THE BERLIN TOWN STAFF.
  - VERTICAL DATUM IS NYVD 1988.
  - CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD AND APPROVED BY THE TOWN OF BERLIN AGENT PRIOR TO THE START OF WORK ON THE SITE.
  - PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SILTING OF ANY WATERCOURSE OR WETLANDS IN ACCORDANCE WITH THE REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION GUIDELINES FOR SOIL EROSION AND SEDIMENT POLLUTION CONTROL. IN ADDITION, THE CONTRACTOR SHALL STRICTLY ADHERE TO THE "EROSION CONTROL PLAN" CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY THE LOCAL MUNICIPALITIES, OR SOIL CONSERVATION SERVICE WHICH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.
  - ALL SITE WORK, MATERIALS OR CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK, STORM DRAINAGE AND UTILITY WORK SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS AND APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION UNLESS OTHERWISE STATED IN THE PROJECT MANUAL, SPECIFICATIONS. ALL FILL MATERIALS UNDER STRUCTURES AND PAVED AREAS SHALL BE PER THE SPECIFICATIONS, AND/OR PROJECT GEOTECHNICAL REPORT, AND SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE DOT, UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. MATERIAL SHALL BE COMPACTED IN 12" LIFTS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557 AT 3 +/- PERCENT OF OPTIMUM MOISTURE CONTENT.
  - ALL DISTURBANCE INCURRED TO TOWN OR STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF BERLIN AUTHORITY AND STATE OF CONNECTICUT.
  - ALL CONSTRUCTION SHALL COMPLY WITH OWNER'S AND THE LOCAL MUNICIPALITY'S STANDARDS AND STATE OF CONNECTICUT'S DOT SPECIFICATIONS. ALL CONSTRUCTION WITHIN A DOT RIGHT OF WAY SHALL COMPLY WITH ALL DEPARTMENT OF TRANSPORTATION STANDARDS, WHERE SPECIFICATIONS OR STANDARDS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION OR STANDARD SHALL BE SUPERIOR.

**SITE PLAN NOTES**

- ALL CONSTRUCTION SHALL COMPLY WITH TOWN OF BERLIN, STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS IN THE ABOVE REFERENCED HIERARCHY. IF SPECIFICATIONS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
- THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL TOWN CONSTRUCTION PERMITS, INCLUDING FOR STORMS AND SEWER AND WATER CONNECTION PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
- REFER TO OTHER PLANS, DETAILS AND NOTES FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE SITE ENGINEER IF THERE ARE ANY QUESTIONS OR CONCERNS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO BEGINS. ANY CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE CONSIDERED WITH THE LOCAL CONSTRUCTION MANAGER PRIOR TO BEGINS.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, MATERIALS AND PLAN SPECIFICATIONS TO THE OWNER AND SITE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
- THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION NOTES PROVIDED ON THE EROSION CONTROL PLAN.
- SHOULD ANY UNDERSHIELD OR INCORRECTLY CHARTERED, EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
- DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER AND THE LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN RESTORED.
- ALL SITE DIMENSIONS ARE REFERENCED TO THE FACE OF CURBS OR EDGE OR PAVING UNLESS OTHERWISE NOTED. ALL BUILDING DIMENSIONS ARE REFERENCED TO THE OUTSIDE FACE OF THE STRUCTURE.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF DRUMS, BARRIERS, SIGNS, LIGHTS, FENCES, TRAFFIC CONTROLLERS AND UNIFORMED TRAFFIC OFFICERS AS REQUIRED, ORDERED BY THE ENGINEER OR REQUIRED BY THE LOCAL GOVERNING AUTHORITIES.
- REFER TO DETAIL SHEETS FOR PAVEMENT, CURBING, AND SIDEWALK INFORMATION.
- THE CONTRACTOR SHALL RESTORE ANY DRAINAGE STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS OR SIGNAGE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AT THE END OF CONSTRUCTION.
- THE ARCHITECT OR ENGINEER IS NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE ARCHITECT AND ENGINEER HAVE NO CONTRACTUAL DUTY TO CONTROL, THE SAFEST METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION OR TO SUPERVISE SAFETY AND DOES NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.
- THE CONTRACTOR SHALL COMPLY WITH CFR 29 PART 1926 FOR EXCAVATION TRENCHING AND TRENCH PROTECTION REQUIREMENTS.
- ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, SITE ENGINEER, AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING PROCESS.
- INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AT "811" AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.
- PAVEMENT MARKINGS SHALL BE NOT APPLIED TYPE IN ACCORDANCE WITH CT DOT SPECIFICATIONS, UNLESS WHERE EPOXY RESIN PAVEMENT MARKINGS ARE INDICATED.
- THESE PLANS ARE FOR PERMITTING PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION. NO CONSTRUCTION OR DEMOLITION SHALL BEGINS UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.

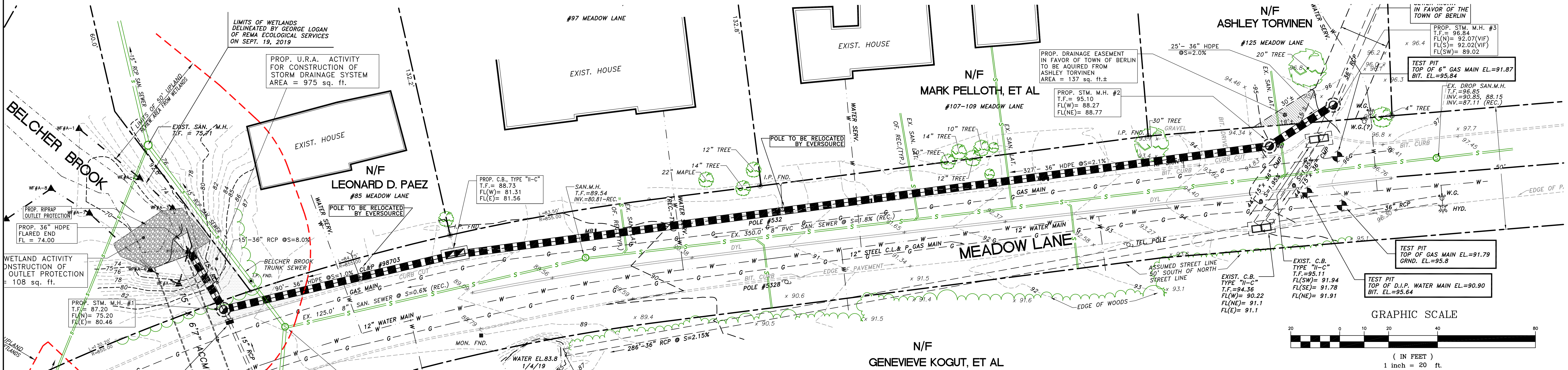


CT GRID MAD 83



**LEGEND**

---	EXISTING PROPERTY LINE
---	EXISTING EDGE OF PAVEMENT
●	I.P. FND.
○	PIPE FND.
■	C.M.S. FND.
■	C.H.D. FND.
---	EXISTING CONTOUR
---	EXISTING SPOT GRADE
---	EXISTING TELEPHONE POLE
---	EXISTING BIT. CURB
---	EXISTING STORM DRAINAGE SYSTEM
---	EXISTING WATER MAIN
---	EXISTING WATER MAIN
---	EXISTING SANITARY SEWER
---	LIMITS OF FLAGGED WETLANDS
---	PROPOSED STORM DRAINAGE SYSTEM



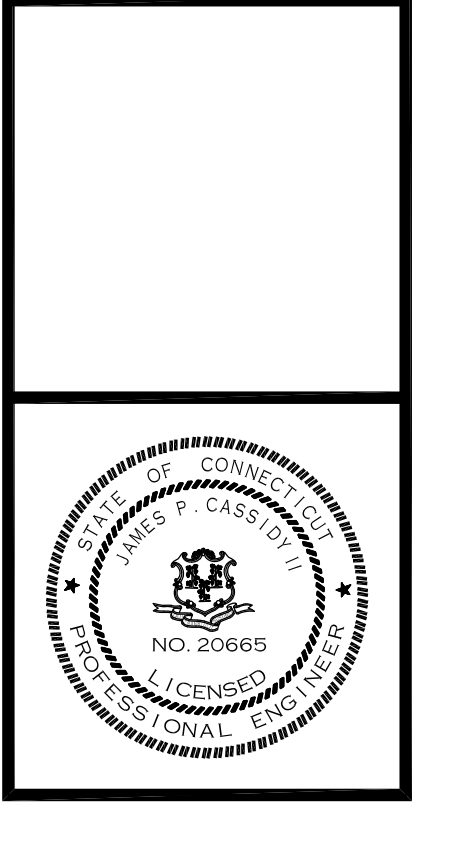
CHECKED BY: J.P.C.  
 DATE: JUNE 21, 2022  
 JOB No.: 2965  
 SCALE: 1" = 20'  
 DRAWN BY: J.M.P.  
 ACAD FILE: 2965-PROFE

SHEET: **3** OF: **7**  
 REVISIONS:

**HALLISEY, PEARSON & CASSIDY**  
 CIVIL ENGINEERS & LAND SURVEYORS  
 630 MAIN STREET, UNIT #1A  
 GROWELL, CONNECTICUT 06416  
 PHONE: (860)-529-6812, FAX: (860)-721-7709

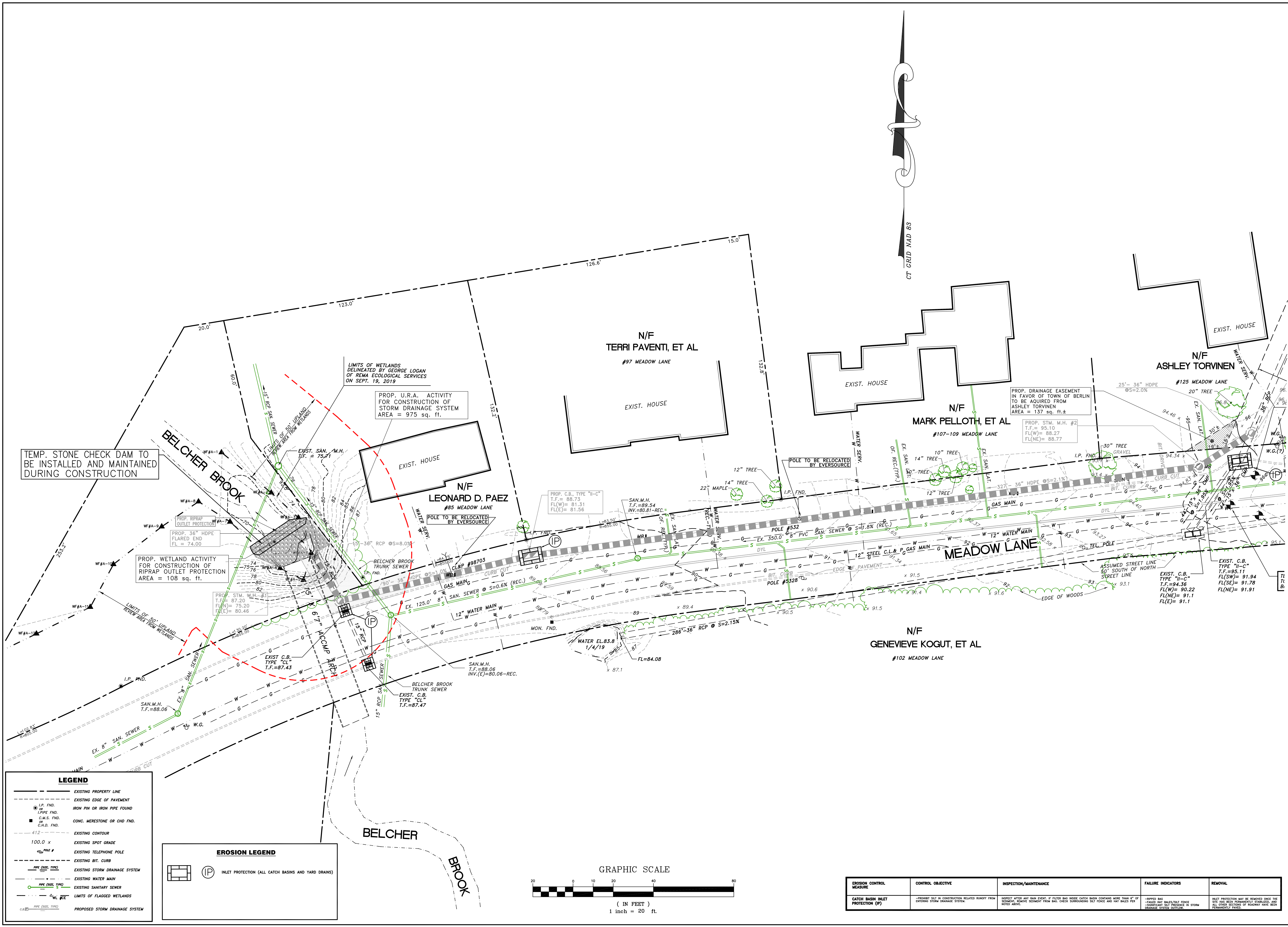
FOR:  
 PORTION OF MEADOW LANE  
 BERLIN, CONNECTICUT  
 PREPARED FOR  
 TOWN OF BERLIN

PLAN AND PROFILE OF PROPOSED STORM LAYOUT



**HALLISEY, PEARSON & CASSIDY**  
 CIVIL ENGINEERS & LAND SURVEYORS  
 630 MAIN STREET, UNIT #1A  
 CROWELL, CONNECTICUT 06416  
 PHONE: (860)-529-6812, FAX: (860)-721-7709

EROSION AND SEDIMENT CONTROL PLAN  
 FOR:  
 PORTION OF MEADOW LANE  
 BERLIN, CONNECTICUT  
 PREPARED FOR  
 TOWN OF BERLIN

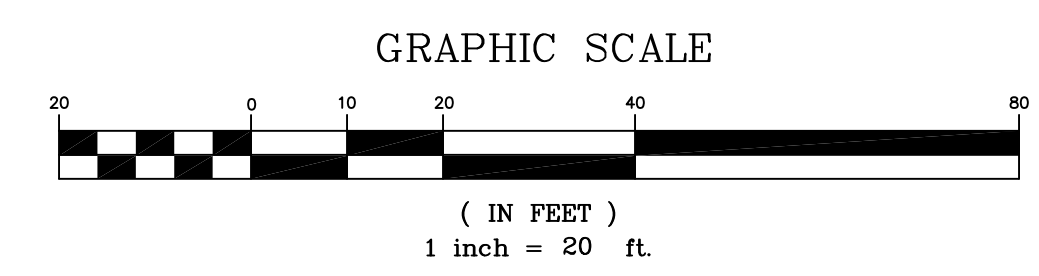


**LEGEND**

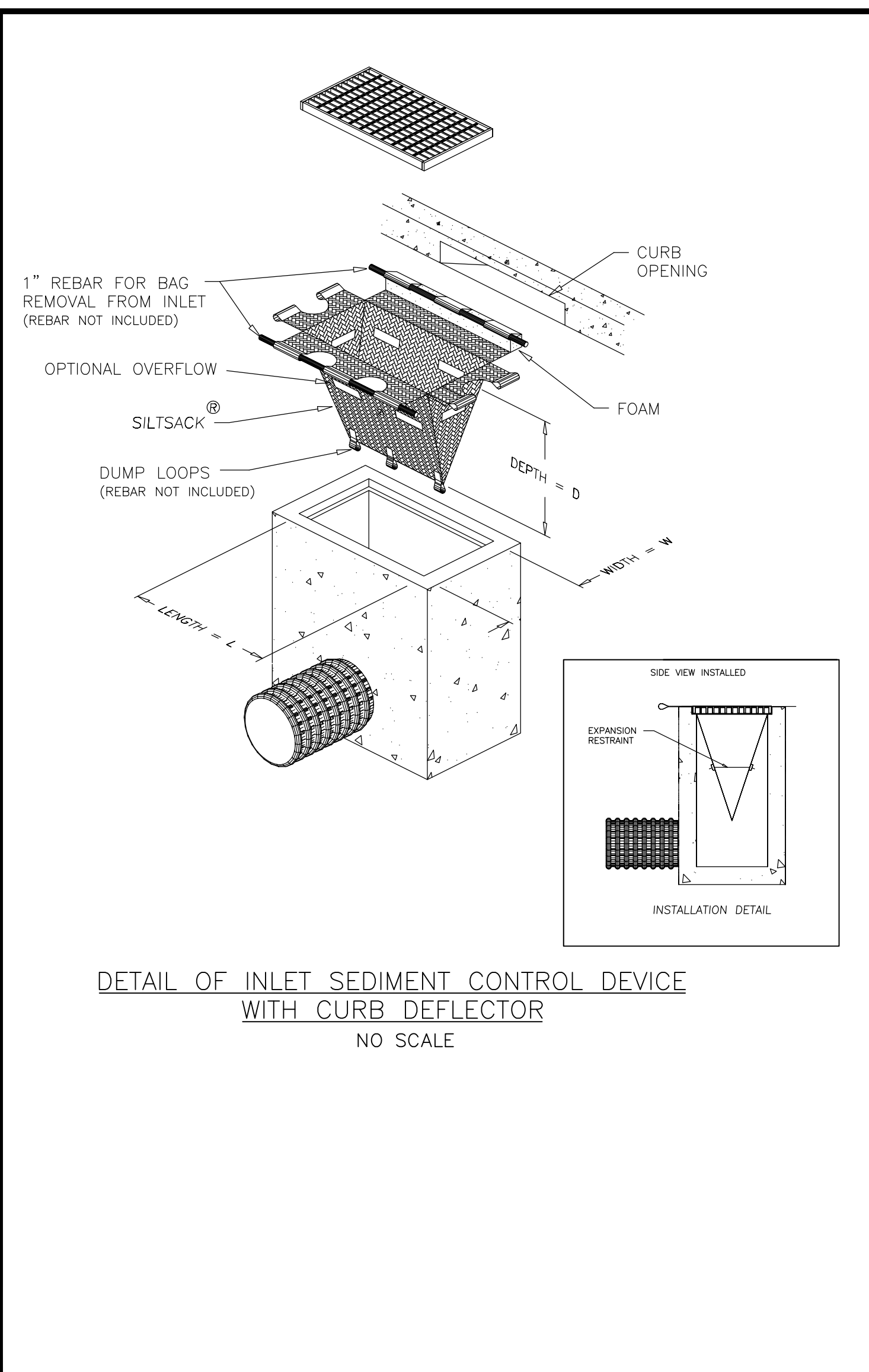
- EXISTING PROPERTY LINE
- - - EXISTING EDGE OF PAVEMENT
- I.P. FND. IRON PIN OR IRON PIPE FOUND
- C.M.S. FND. CONC. MERESTONE OR CHD FND.
- 412 --- EXISTING CONTOUR
- 100.0 x EXISTING SPOT GRADE
- POLE # EXISTING TELEPHONE POLE
- - - EXISTING BIT. CURB
- (PIPE (DIA. TYPE)) EXISTING STORM DRAINAGE SYSTEM
- (PIPE (DIA. TYPE)) EXISTING WATER MAIN
- (PIPE (DIA. TYPE)) EXISTING SANITARY SEWER
- (PIPE (DIA. TYPE)) LIMITS OF FLAGGED WETLANDS
- (PIPE (DIA. TYPE)) PROPOSED STORM DRAINAGE SYSTEM

**EROSION LEGEND**

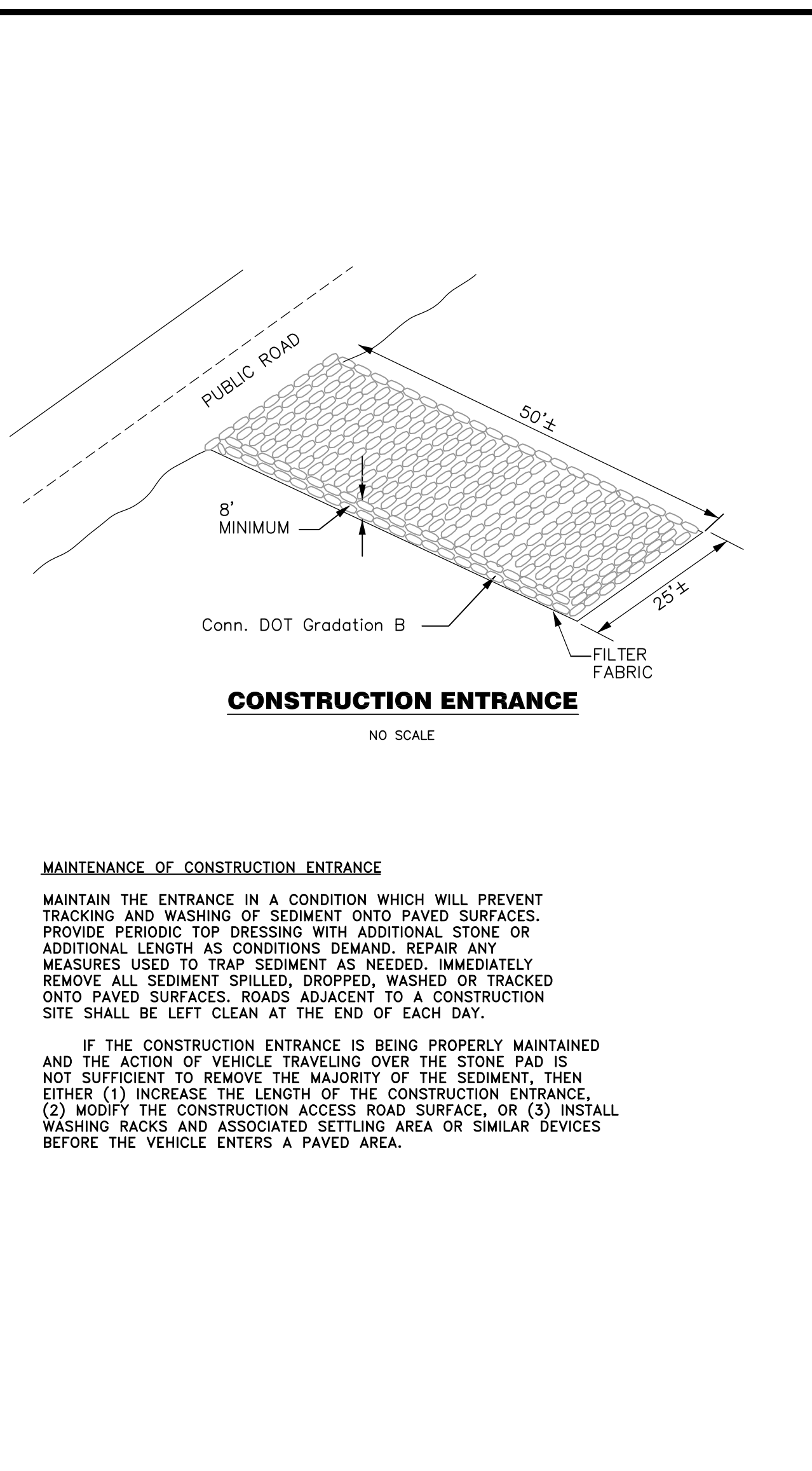
- IP INLET PROTECTION (ALL CATCH BASINS AND YARD DRAINS)



EROSION CONTROL MEASURE	CONTROL OBJECTIVE	INSPECTION/MAINTENANCE	FAILURE INDICATORS	REMOVAL
CATCH BASIN INLET PROTECTION (IP)	-PROHIBIT SILT IN CONSTRUCTION RELATED RUNOFF FROM ENTERING STORM DRAINAGE SYSTEM.	INSPECT AFTER ANY RAIN EVENT. IF FILTER BAG INSIDE CATCH BASIN CONTAINS MORE THAN 6" OF SEDIMENT REMOVE SEDIMENT FROM BAG. CHECK SURROUNDINGS SET PENCE AND HAY BALE PEX NOTED ABOVE.	-BIPPED BAG -FILLED BAG -DISAPPEARING SET PRESENCE IN STORM DRAINAGE SYSTEM OUTLET.	INLET PROTECTION MAY BE REMOVED ONCE THE SITE HAS BEEN PERMANENTLY STABILIZED AND ALL OTHER SECTIONS OF ROADWAY HAVE BEEN PERMANENTLY PAVED.



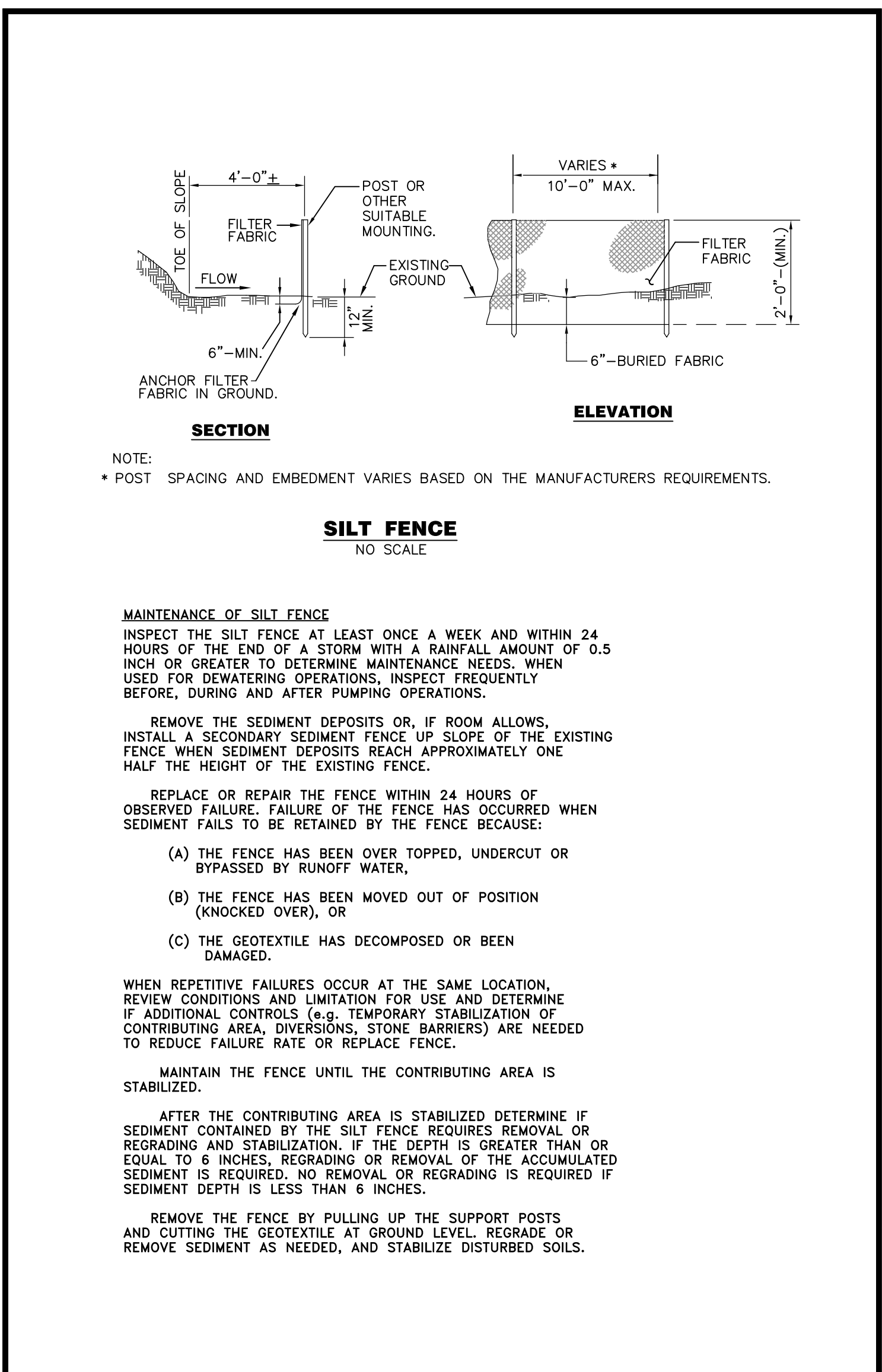
**DETAIL OF INLET SEDIMENT CONTROL DEVICE WITH CURB DEFLECTOR**  
NO SCALE



**CONSTRUCTION ENTRANCE**  
NO SCALE

**MAINTENANCE OF CONSTRUCTION ENTRANCE**  
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 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 AREA.



**SILT FENCE**  
NO SCALE

**MAINTENANCE OF SILT FENCE**  
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 SEDIMENT 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:

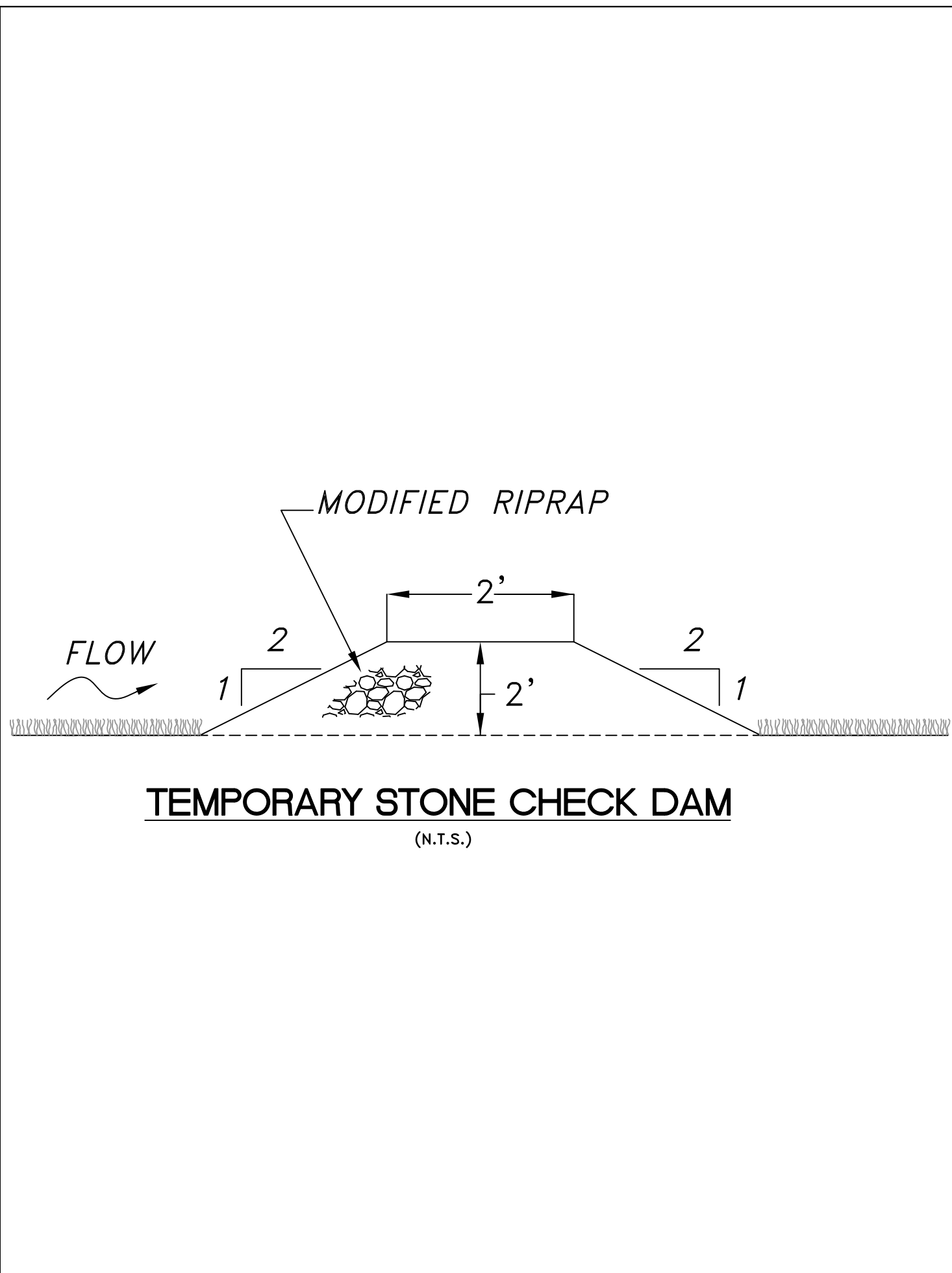
- (A) THE FENCE HAS BEEN OVER TOPPED, UNDERCUT OR BYPASSED BY RUNOFF WATER.
- (B) THE FENCE HAS BEEN MOVED OUT OF POSITION (KNOCKED OVER), OR
- (C) THE GEOTEXTILE HAS DECOMPOSED OR BEEN DAMAGED.

WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATION 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.

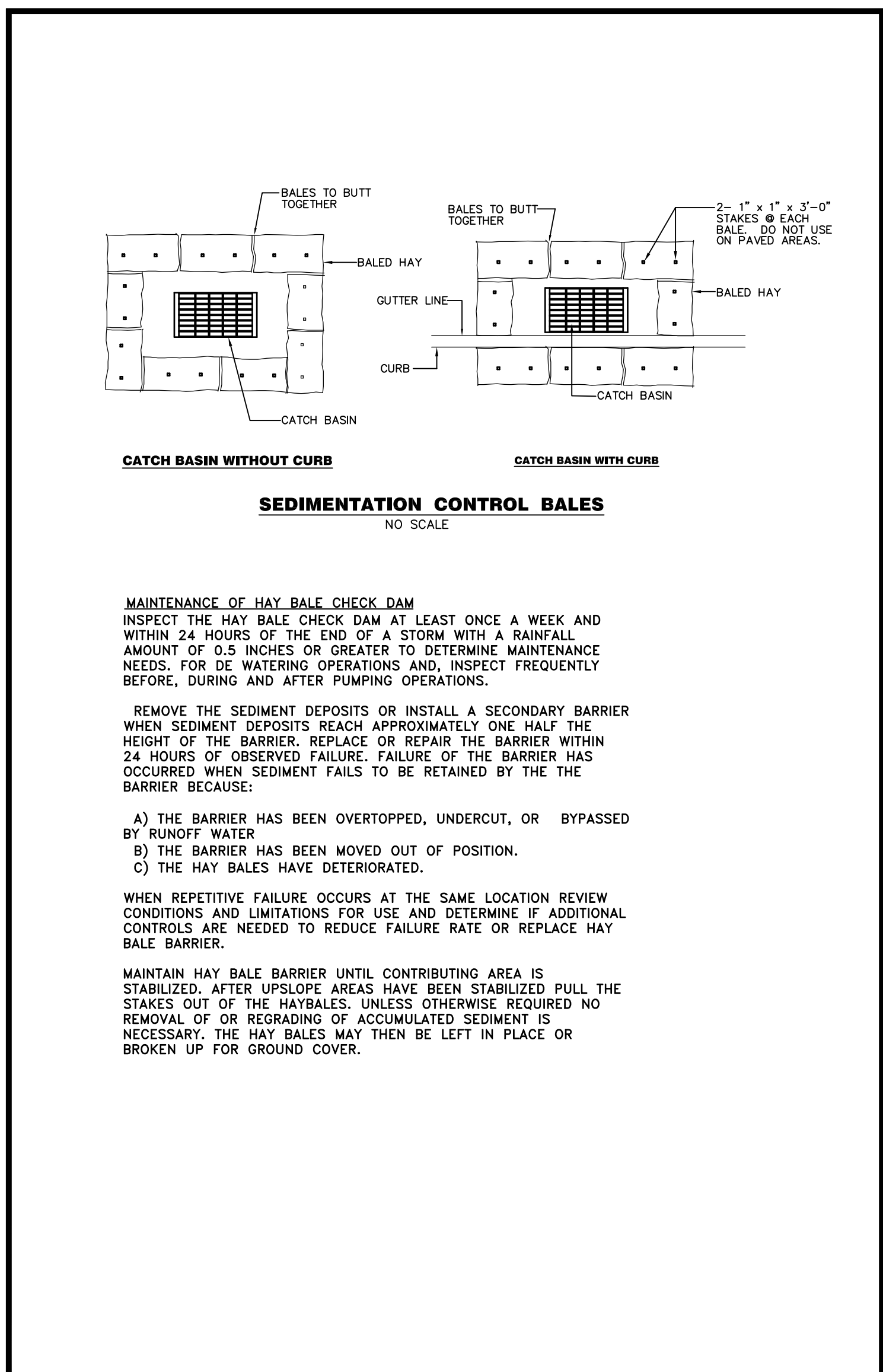
MAINTAIN THE FENCE UNTIL THE CONTRIBUTING AREA IS STABILIZED.

AFTER THE CONTRIBUTING AREA IS STABILIZED DETERMINE IF SEDIMENT CONTAINED BY THE SILT 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.



**TEMPORARY STONE CHECK DAM**  
(N.T.S.)



**SEDIMENTATION CONTROL BALES**  
NO SCALE

**MAINTENANCE OF HAY BALE CHECK DAM**  
INSPECT THE HAY BALE CHECK DAM AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCHES OR GREATER TO DETERMINE MAINTENANCE NEEDS. FOR DE WATERING OPERATIONS AND, INSPECT FREQUENTLY BEFORE, DURING AND AFTER PUMPING OPERATIONS.

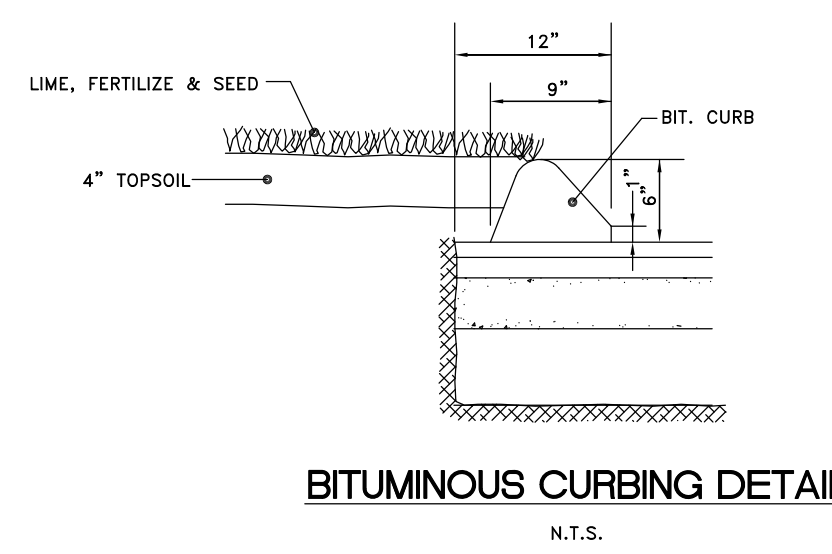
REMOVE THE SEDIMENT DEPOSITS OR INSTALL A SECONDARY BARRIER WHEN SEDIMENT DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. REPLACE OR REPAIR THE BARRIER WITHIN 24 HOURS OF OBSERVED FAILURE. FAILURE OF THE BARRIER HAS OCCURRED WHEN SEDIMENT FAILS TO BE RETAINED BY THE BARRIER BECAUSE:

- A) THE BARRIER HAS BEEN OVERTOPPED, UNDERCUT, OR BYPASSED BY RUNOFF WATER.
- B) THE BARRIER HAS BEEN MOVED OUT OF POSITION.
- C) THE HAY BALES HAVE DETERIORATED.

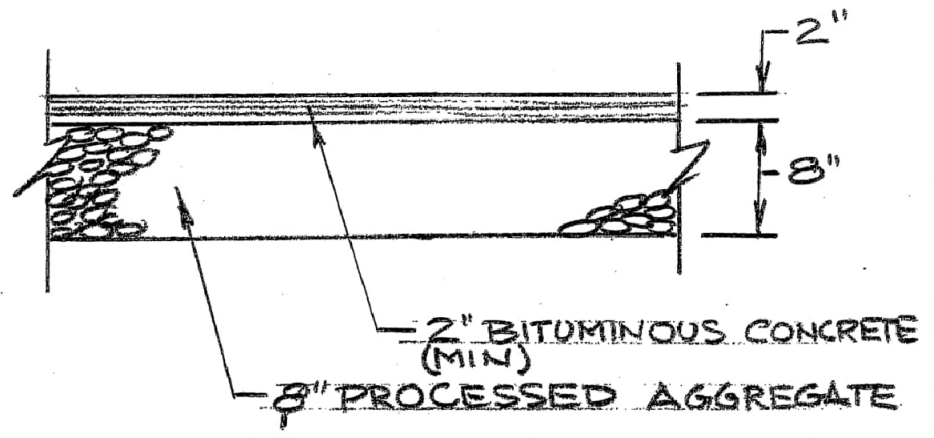
WHEN REPETITIVE FAILURE OCCURS AT THE SAME LOCATION REVIEW CONDITIONS AND LIMITATIONS FOR USE AND DETERMINE IF ADDITIONAL CONTROLS ARE NEEDED TO REDUCE FAILURE RATE OR REPLACE HAY BALE BARRIER.

MAINTAIN HAY BALE BARRIER UNTIL CONTRIBUTING AREA IS STABILIZED. AFTER UPSLOPE AREAS HAVE BEEN STABILIZED PULL THE STAKES OUT OF THE HAYBALES. 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.

CHECKED BY: J.P.C. SCALE: 1" = 20' DATE: JUNE 21, 2022 JOB No.: 2965	DRAWN BY: J.M.P. ACAD FILE: 2965-DET SHEET: 5 OF 7 REVISIONS:	<b>HALLISEY, PEARSON &amp; CASSIDY</b> CIVIL ENGINEERS & LAND SURVEYORS 630 MAIN STREET, UNIT #1A CROWELL, CONNECTICUT 06416 PHONE: (860) 529-6812, FAX: (860) 721-7709
SITE DETAILS FOR: PORTION OF MEADOW LANE BERLIN, CONNECTICUT PREPARED FOR TOWN OF BERLIN		

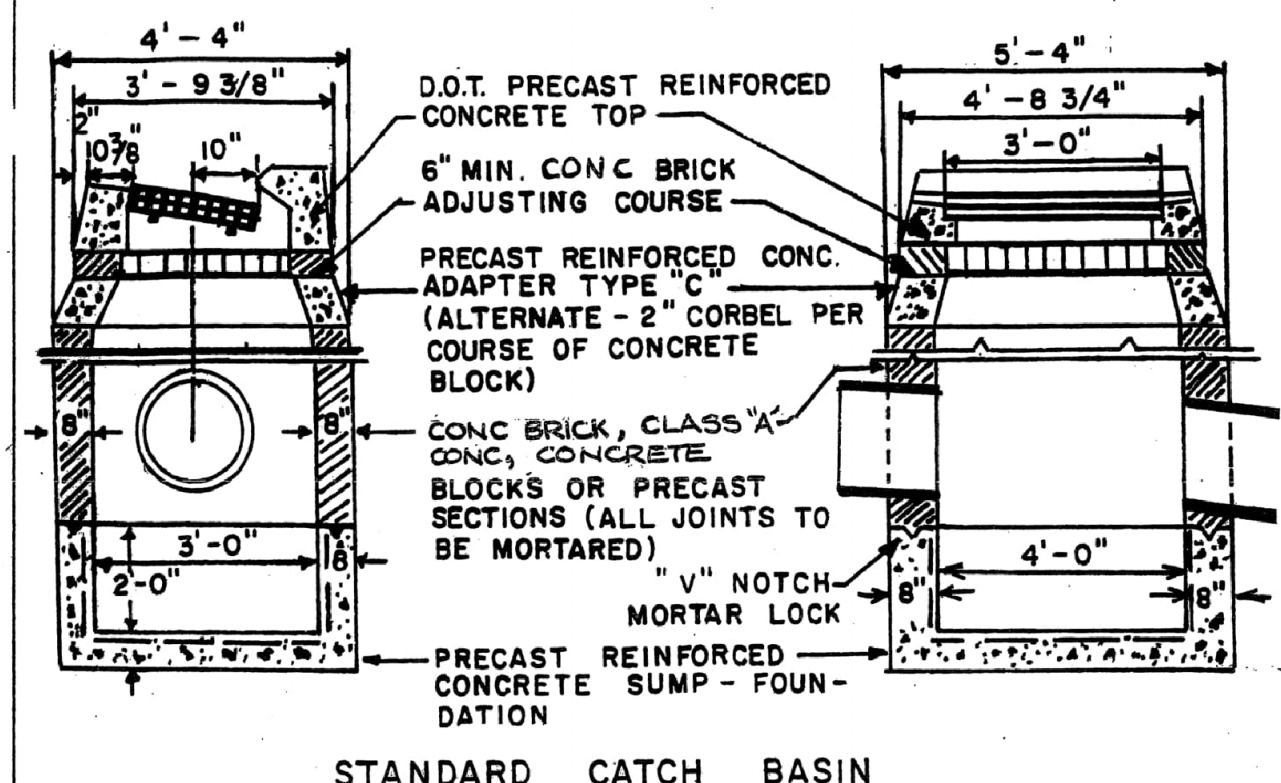


BITUMINOUS CURBING DETAIL  
N.T.S.



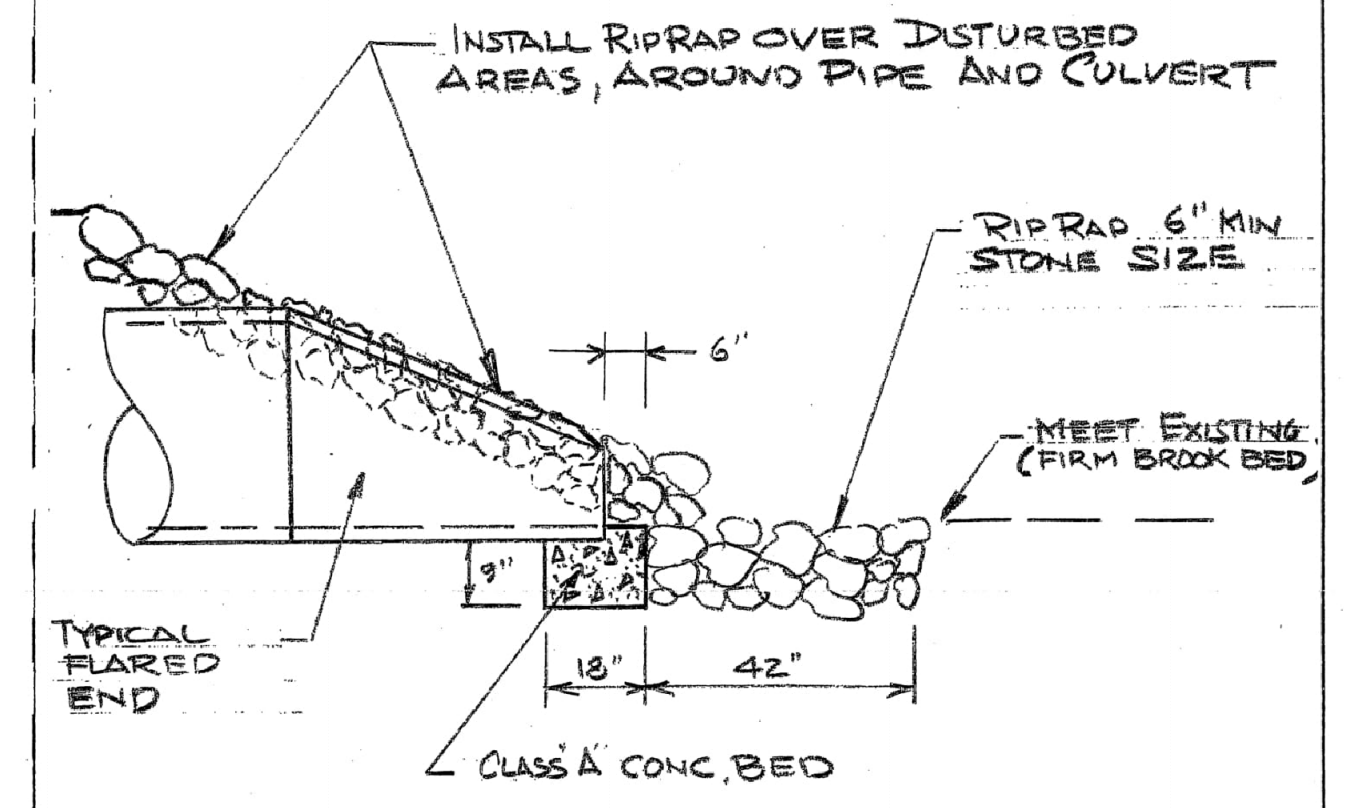
NOTE:  
STANDARD DRIVEWAY RADIUS = 5' MIN  
BITUMINOUS DRIVEWAY SECTION

Engineering Department  
Town Of Berlin  
Berlin, Connecticut  
Scale: NONE Approved By:  
Date: APRIL 2 2007 Drawing No.: 2b



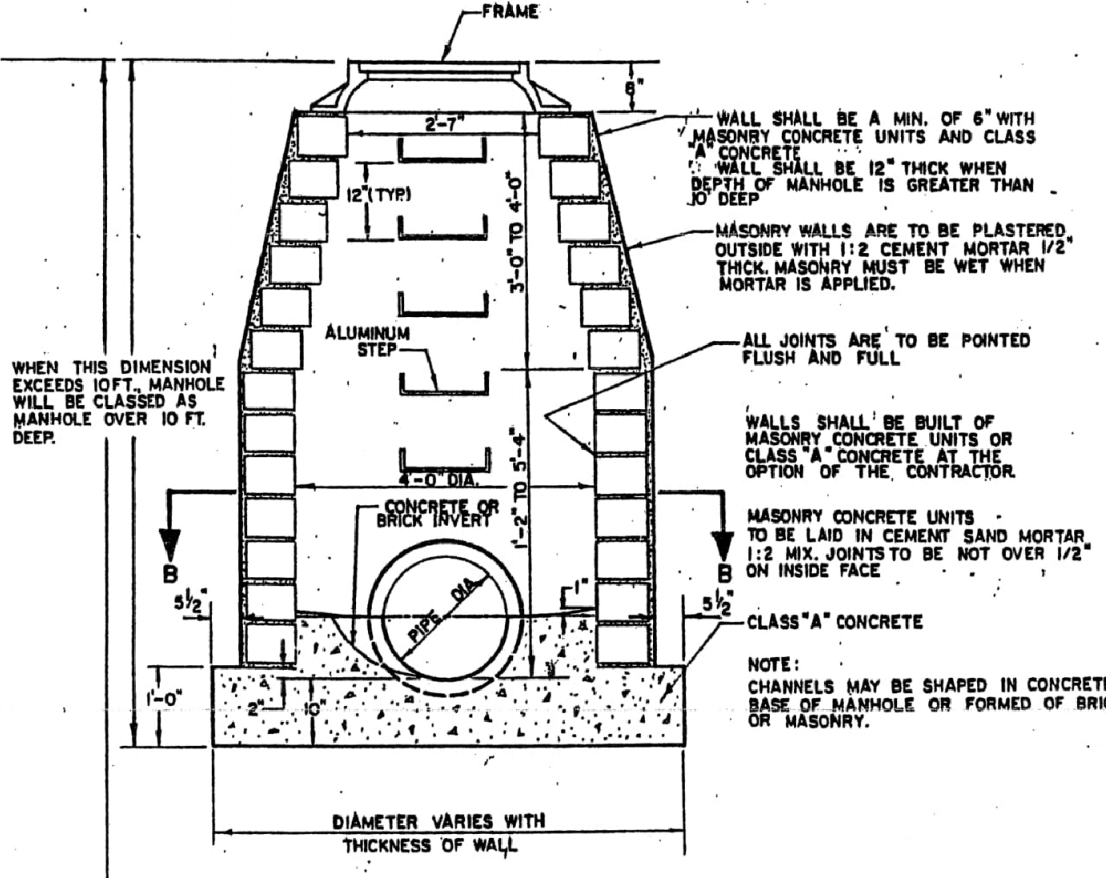
- SPECIFICATIONS  
DROP INLET AND CATCH BASIN:
1. EXCAVATE TO REQUIRED GRADE OR DEEPER IF NECESSARY TO SATISFACTORY BEARING FOUNDATION. IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, INSTALL COMPACTED GRAVEL OR CRUSHED STONE BASE AS DIRECTED BY ENGINEER.
  2. PIPES TO EXTEND TO INSIDE FACE OF STRUCTURE WALLS AND TO BE CUT FLUSH WITH FACE OF WALL.
  3. WHERE THE STRUCTURE IS OVER 8 FEET DEEP, WALL THICKNESS TO BE INCREASED TO 12 INCHES. INSIDE DIMENSIONS SHALL REMAIN THE SAME.
  4. STANDARD CURB TO PIPE CENTERLINE DIMENSIONS TO BE 10 INCHES, EXCEPT WHERE OTHERWISE ORDERED.
  5. CONCRETE CATCH BASIN CURB TO BE SHAPED TO CONFORM TO ADJACENT CONCRETE OR BITUMINOUS CURBING, AS APPLICABLE.
  6. WHERE PIPE SIZE IS GREATER THAN 24 INCH DIAMETER, STRUCTURES TO BE BUILT TO D.O.T. STANDARDS.

ENGINEERING DEPARTMENT  
TOWN OF BERLIN  
BERLIN, CONNECTICUT  
Scale: NO SCALE Approved:  
Date: 6-30-94 DWG. NO.: 10



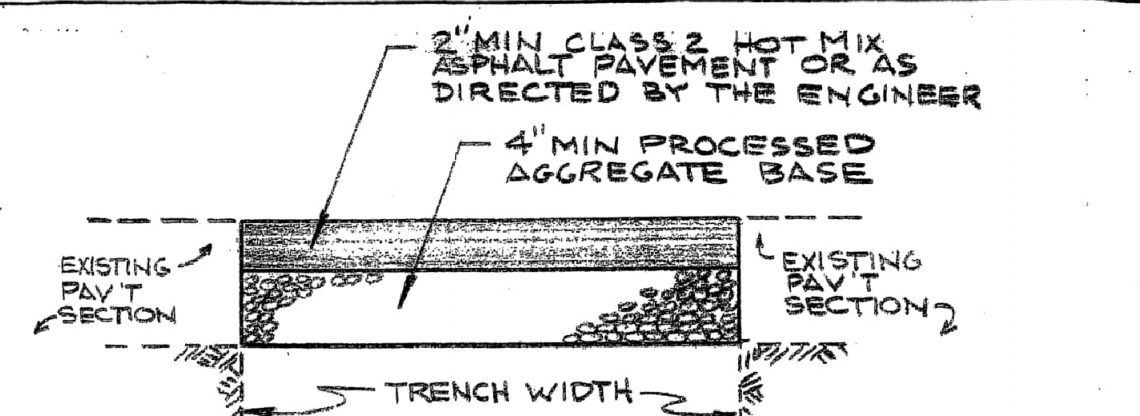
DETAIL AT FLARED END  
NO SCALE

ENGINEERING DEPARTMENT  
TOWN OF BERLIN  
BERLIN, CONNECTICUT  
Scale: NO SCALE Approved:  
Date: FEB 11 1998 DWG. NO.: 13

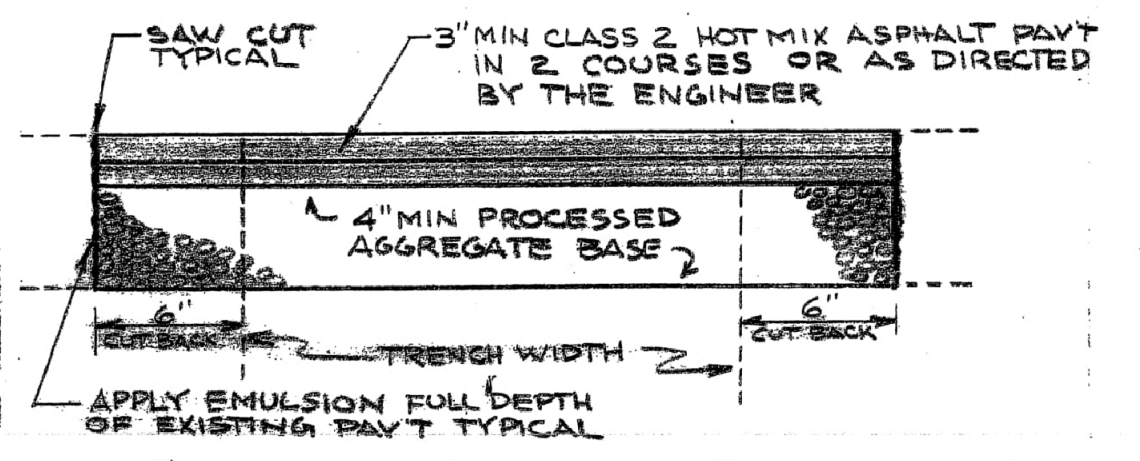


VERTICAL SECTION  
MANHOLE  
MASONRY CONCRETE UNITS  
OR CLASS 'A' CONCRETE

ENGINEERING DEPARTMENT  
TOWN OF BERLIN  
BERLIN, CONNECTICUT  
Scale: NO SCALE Approved:  
Date: 6-30-94 DWG. NO.: 12



TEMPORARY PAV'T. REPAIR

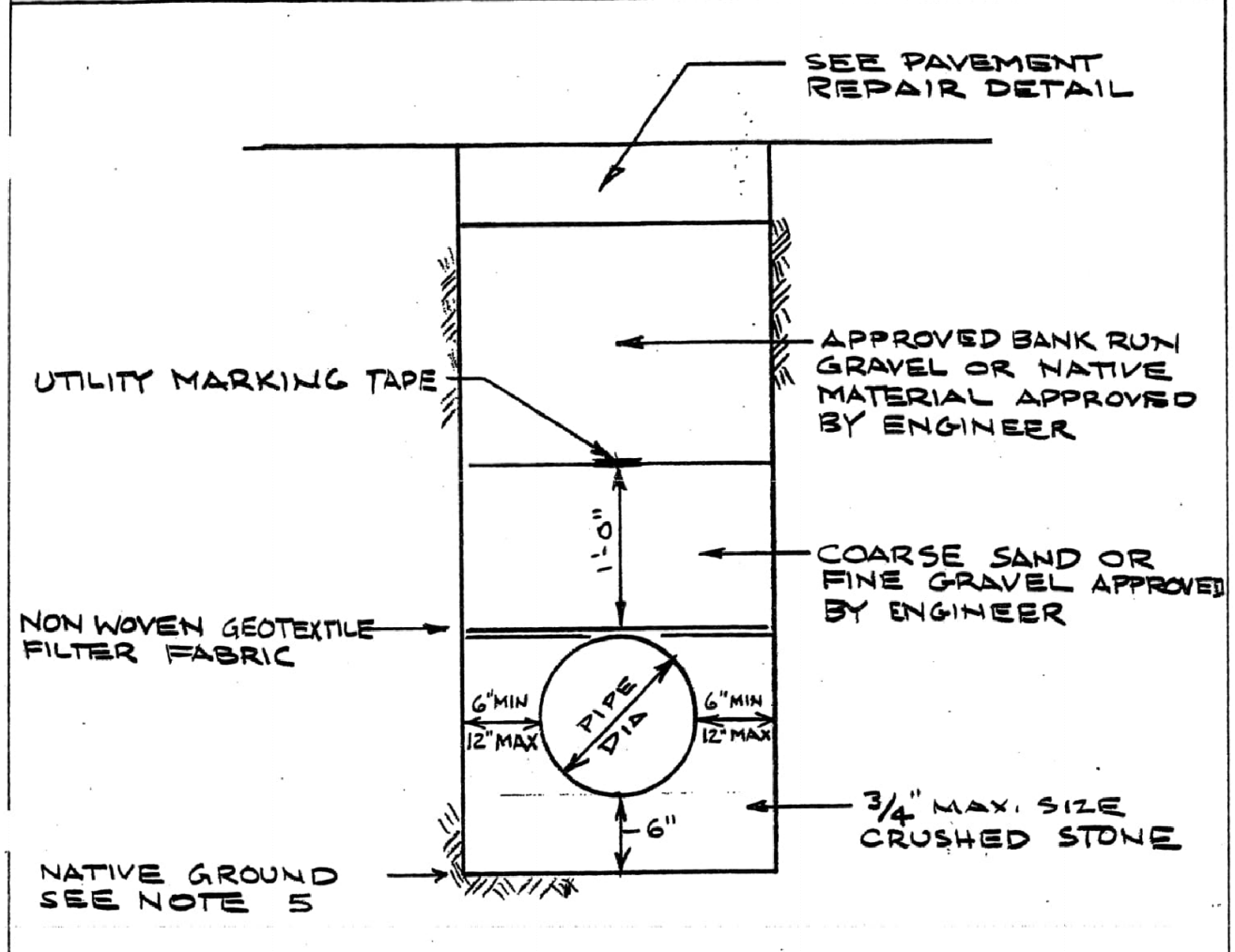


PERMANENT PAV'T REPAIR

- NOTES:
- 1 SEE SECTION II PAR. F, G, H OF THE TOWN OF BERLIN PUBLIC RIGHT OF WAY ORDINANCE 6-91 FOR PAVING PROCEDURE
  - 2 ASPHALT AND BASE DEPTHS ARE MINIMUM, ACTUAL DEPTHS SHALL BE DETERMINED BY THE EXISTING ROAD SECTION
  - 3 ALL BASES SHALL BE PROPERLY COMPACTED

PAVEMENT REPAIR DETAILS

ENGINEERING DEPARTMENT  
TOWN OF BERLIN  
BERLIN, CONNECTICUT  
Scale: NO SCALE Approved:  
Date: JAN 1993 DWG. NO.: 1

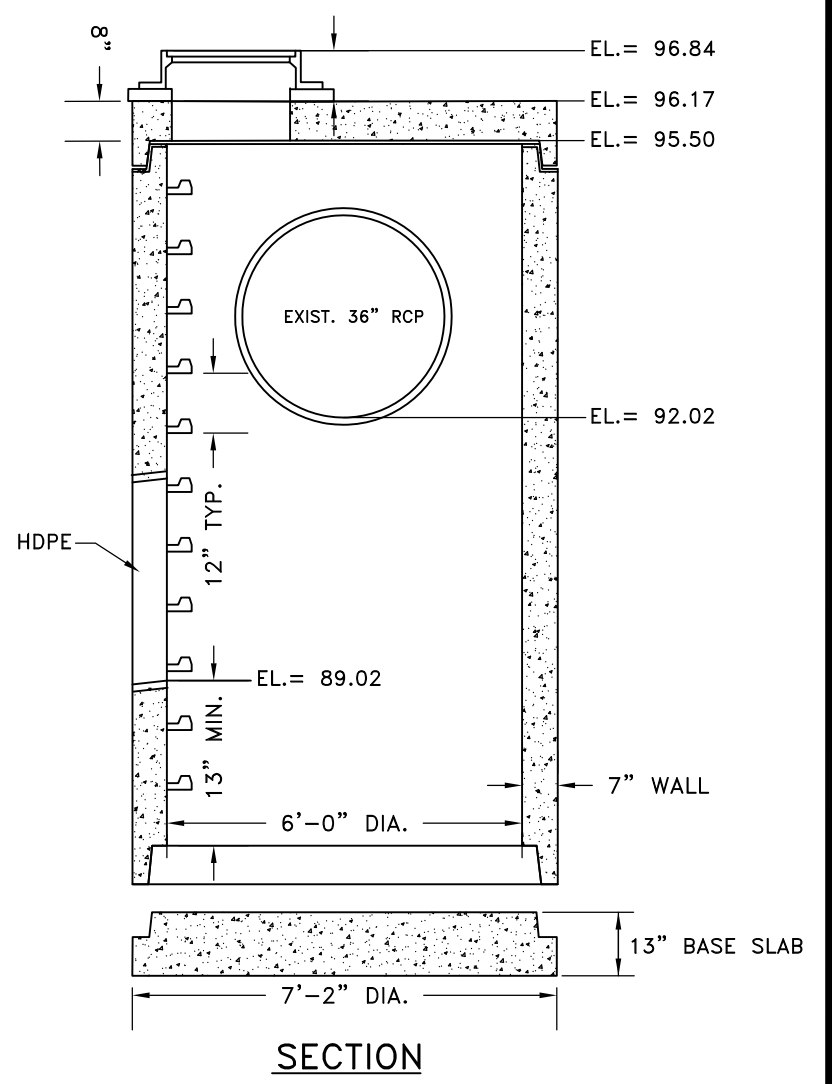


STORM DRAIN TRENCH DETAIL  
FOR  
PVC & HDPE

- NOTES:
- 1 TRENCHES IN STABLE SOIL OVER DEEP SHALL BE REINFORCED BY APPROVED OTHER METHODS.
  - 2 TRENCHES SHALL BE COMPACTED
  - 3 TRENCHES IN PAVEMENT AREAS SHALL BE SAW CUT PRIOR TO EXCAVATION OR AS DIRECTED BY THE ENGINEER
  - 4 MINIMUM DEPTH OF COVER IN ROAD IS 2 FT
  - 5 IF NATIVE GROUND IS NOT SUITABLE, THE CONTRACTOR SHALL EXCAVATE TO A ACCEPTABLE DEPTH AND INSTALL MATERIALS AS APPROVED BY THE ENGINEER
  - 6 PVC PIPE TO BE ASTM 2094, 80R 35 (18 FT MAX DEPTH, OVER 18 FT DEPTH AS REQUIRED BY THE ENGINEER)

ENGINEERING DEPARTMENT  
TOWN OF BERLIN  
BERLIN, CONNECTICUT  
Scale: NO SCALE Approved:  
Date: JAN 1993 DWG. NO.: 5

- NOTES:
1. JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-198. MEETS FEDERAL SPECIFICATION SS-3-0021(210-A).
  2. REINFORCING STEEL WELDED WIRE FABRIC CONFORMS TO LATEST ASTM SPECIFICATION A185.
  3. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
  4. CONCRETE COMPRESSIVE STRENGTH- 4000 PSI AT 28 DAYS.
  5. MANHOLE STEPS MEET LATEST OSHA REGULATION 29 CFR 1910.27, SECTION 16 OF ASTM SPECIFICATION C478 AND SECTION 10 OF ASTM SPECIFICATION C497.
  6. WHEN SPECIFIED, MANHOLES ARE COATED WITH BAY OIL, "EBONY"
  7. METHOD OF MANUFACTURE: WET CAST.

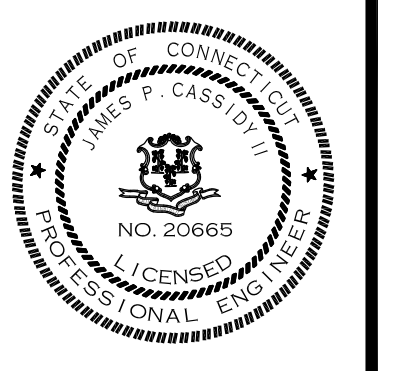


PROP. M.H. #3 DETAIL  
SCALE: N.T.S.

CHECKED BY: J.P.C.  
DATE: JUNE 21, 2022  
JOB No.: 2965  
SCALE: 1" = 20'  
DRAWN BY: J.M.P.  
ACAD FILE: 2965-DET  
SHEET: 6 OF 7  
REVISIONS:

HALLISEY, PEARSON & CASSIDY  
CIVIL ENGINEERS & LAND SURVEYORS  
630 MAIN STREET, UNIT #1A  
GROVELL, CONNECTICUT 06416  
PHONE: (860)-529-6812, FAX: (860)-721-7709

SITE DETAILS  
FOR:  
PORTION OF MEADOW LANE  
BERLIN, CONNECTICUT  
PREPARED FOR  
TOWN OF BERLIN



N/F  
TERRI PAVENTI, E  
#97 MEADOW LANE

PRO. U.R.A. ACTIVITY  
FOR CONSTRUCTION OF  
STORM DRAINAGE SYSTEM  
AREA = 975 sq. ft.

N/F  
LEONARD D. PAEZ  
#85 MEADOW LANE

BELCHER BROOK

LIMITS OF WETLANDS  
DELINEATED BY GEORGE LOGAN  
OF REMA ECOLOGICAL SERVICES  
ON SEPT. 19, 2019

PRO. WETLAND ACTIVITY  
FOR CONSTRUCTION OF  
RIPRAP OUTLET PROTECTION  
AREA = 108 sq. ft.

PRO. RIPRAP  
OUTLET PROTECTION  
FL = 74.00

PRO. STM. M.H. #1  
T.F. = 87.20  
FL(N) = 75.20  
FL(E) = 80.46

PRO. C.B., TYPE "II-C"  
T.F. = 88.73  
FL(W) = 81.31  
FL(E) = 81.56

SAN.M.H.  
T.F. = 89.54  
INV. = 80.81-REC.

SAN.M.H.  
T.F. = 88.06  
INV.(E) = 80.06-REC.

EXIST. C.B.  
TYPE "CL"  
T.F. = 87.47

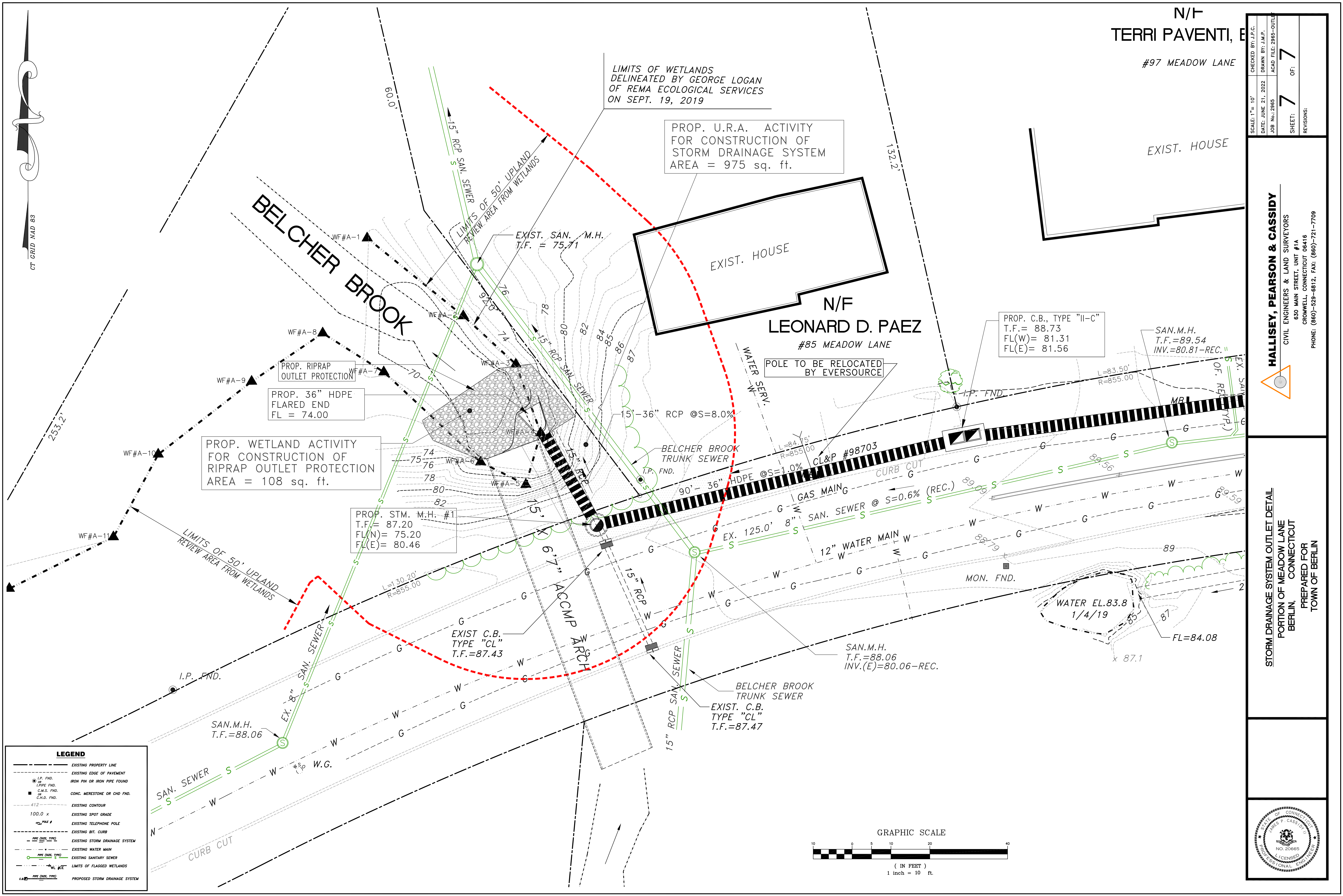
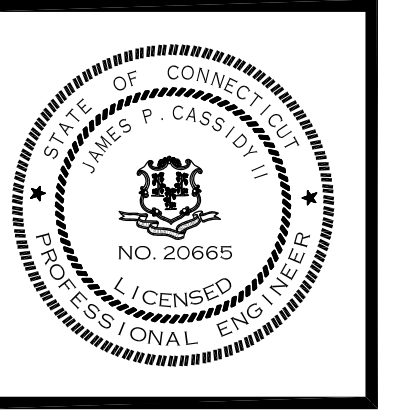
EXIST C.B.  
TYPE "CL"  
T.F. = 87.43

WATER EL. 83.8  
1/4/19  
FL = 84.08

CHECKED BY: J.P.C.	SCALE: 1" = 10'
DRAWN BY: J.M.P.	DATE: JUNE 21, 2022
ACAD FILE: 2965-OUTLET	JOB No.: 2965
SHEET: 7	OF: 7
REVISIONS:	

**HALLISEY, PEARSON & CASSIDY**  
CIVIL ENGINEERS & LAND SURVEYORS  
630 MAIN STREET, UNIT #1A  
CROWELL, CONNECTICUT 06416  
PHONE: (860)-529-6812, FAX: (860)-721-7709

STORM DRAINAGE SYSTEM OUTLET DETAIL  
PORTION OF MEADOW LANE  
BERLIN, CONNECTICUT  
PREPARED FOR  
TOWN OF BERLIN



**LEGEND**

---	EXISTING PROPERTY LINE
---	EXISTING EDGE OF PAVEMENT
●	IRON PIN OR IRON PIPE FOUND
○	C.M.S. FND.
■	CONC. MERTSTONE OR CHD FND.
---	EXISTING CONTOUR
100.0 x	EXISTING SPOT GRADE
○	EXISTING TELEPHONE POLE
---	EXISTING BIT CURB
---	EXISTING STORM DRAINAGE SYSTEM
---	EXISTING WATER MAIN
---	EXISTING SANITARY SEWER
---	LIMITS OF FLAGGED WETLANDS
---	PROPOSED STORM DRAINAGE SYSTEM

