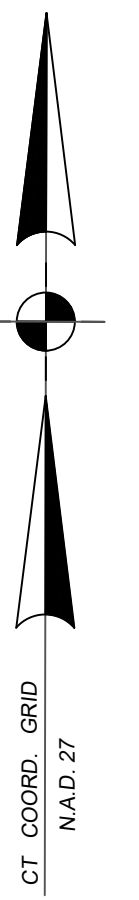
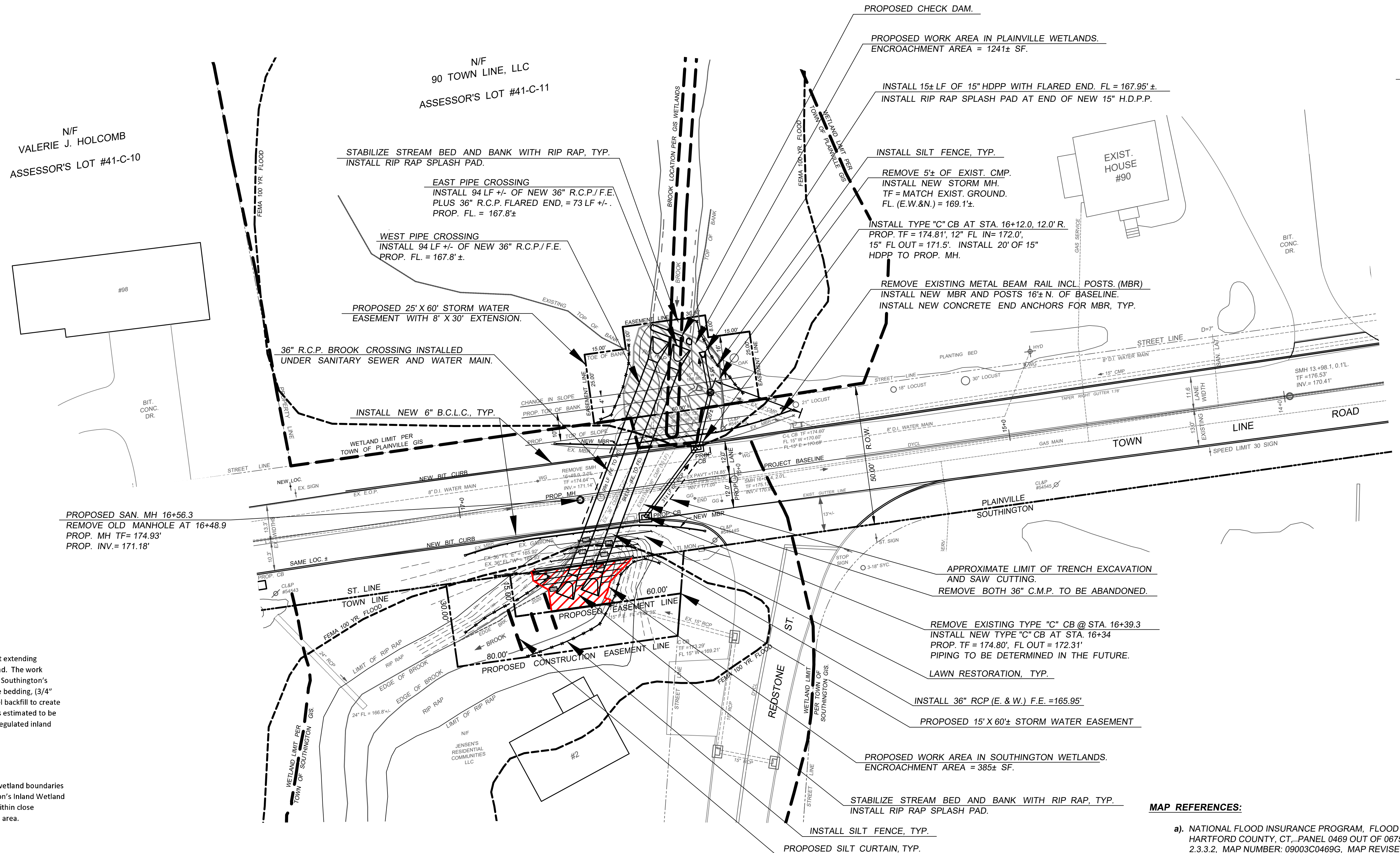


PROPOSED WORK AREA
IN PLAINVILLE WETLANDS.
ENCROACHMENT AREA = 1241 S.F.



REQUESTING PERMISSION TO:

The Town of Plainville requests permission to install a twin thirty-six (36") inch culvert extending approximately twelve (12') feet from the Street line/Town Boundary on Townline Road. The work activities will be within a regulated inland wetland area as designated by the Town of Southington's Inland Wetland Map. The construction activities would include the placement of pipe bedding, (3/4" traprock stone), installation of reinforced concrete pipe, placement of bank run gravel backfill to create a 2:1 slope and rip rap to protect the newly formed slope). The total impacted area is estimated to be 385 square feet. The estimated volume of fill material proposed to be placed in the regulated inland wetland area is estimated to be fifty, (50 cy), cubic yards.

Wetland Soil Identification:

No Soil Scientist was retained to identify the inland wetland boundaries. The inland wetland boundaries were determined by transposing the boundaries identified on the Town of Southington's Inland Wetland Map. All the proposed construction activities are to occur within the streambed or within close proximity, thus, it is reasonable to concede the entire work limits are in the regulated area.

Measures Proposed to Protect Regulated Area From

Erosion and Sedimentation: The proposed design incorporates a perimeter silt fence system to prevent impacts to inland wetland areas and buffer areas outside the construction limits. Additionally, the perimeter silt fence system will stop any sediment from outside the impacted areas from entering the impacted area. The installation of the silt fence system shall be inspected by the engineer prior to the contractor initiating culvert construction.

Culvert construction activities would be restricted to occur only during those times when precipitation is historically at its lowest levels, summer months.

A check dam will be constructed at the upstream limits of the culvert construction. The purpose of this check dam would be to direct stream flows toward the easterly most culvert until the proposed culvert system is completely installed. The check dam will also slow and filter upstream flow.

If stream dewatering is required, the intake will be position in a location that is outside the area disturb by construction. The outflow discharge would be located outside the construction activity. An energy dissipater constructed of 3/4 inch stone will be constructed at the discharge outflow.

Construction sequencing would be organized to minimize stream flow from coming in contact with unstabilized surfaces. The stream flow would be directed toward the easterly most existing pipe until the proposed twin culvert is completely installed.

Upon completion of the proposed twin culvert, stream flow would be directed toward the westerly most pipe before demolition of the existing culvert begins. Immediately after the southerly flared ends are installed, a silt fence shall be installed at the toe of the newly created slope. This silt fence shall be maintained until the Engineer deems the slope stabilized.



PROPOSED WORK AREA
IN SOUTHTONING WETLANDS.
ENCROACHMENT AREA = 385 S.F.

MAP REFERENCES:

- a). NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP, HARTFORD COUNTY, CT, PANEL 0469 OUT OF 0675, VERSION NUMBER: 2.3.3.2, MAP NUMBER: 09003C0469G, MAP REVISED MAY 16, 2017.
- b). TOWN OF SOUTHTONING GIS MAPPING, INLAND WETLAND SOILS LAYER AND THE FEMA 100 YEAR FLOOD LAYER.
- c). TOWN OF PLAINVILLE GIS MAPPING, WETLAND SOILS LAYER AND 2016 COLOR ORTHO.

REV.	DATE	DESCRIPTION
1	OCT 19, 2020	REVISE WITH FLARED ENDS

DEPARTMENT OF ENGINEERING
TOWN OF PLAINVILLE
PLAINVILLE, CONNECTICUT

INLAND WETLANDS COMMISSION PERMIT APPLICATION

PLAN OF CULVERT REPLACEMENT
LOCATED ON TOWN LINE RD.
PLAINVILLE AND SOUTHTONING, CONNECTICUT

DRAWN BY: MRP	CHECKED BY:	DWG NO. TL RD. WETLAND AREA
DATE: OCT 13, 2018	DATE:	
DESIGNED BY:	FIELD BOOK: 96	SCALE: 1" = 20'
DATE:	CONTRACT NO.	SHEET 1 OF 1

