State of Connecticut Department of Energy and Environmental Protection
Project No. DS20170776
South Branch Park River Flood Control Maintenance Project
Hartford, West Hartford & Newington, Connecticut

Environmental Protection Plan

This Environmental Protection Plan has been prepared to provide the information required in Special Conditions Section 10.B.

10.B.i. Applicable Laws and Regulations

The contract documents do not specify the laws and regulations that the Owner or Engineer have determined to apply to the project, however the Contractor expects that the following requirements apply:

1. Connecticut Department of Energy and Environmental Protection (CTDEEP):
   a. Remediation Standard Regulations (RSRs), RCSA 22a-133k-1 through 3.
   b. Hazardous Waste Regulations, RCSA 22a-449(c)-100 through 119.
   c. Solid Waste Management Regulations, RCSA 22a-209-1 through 17.
   d. Bureau of Materials Management and Compliance Assurance - Disposal of Special Waste Authorization (DEP-WEED-APP-200).
   e. Bureau of Materials Management and Compliance Assurance – PCB Program, RCSA 22a-463 through 469.
2. United States Environmental Protection Agency (USEPA):
   a. Federal Hazardous Waste Regulations, 40 CFR 261-268.
   b. Toxic Substances Control Act (TSCA), 40 CFR 700-766.
3. United States Department of Transportation (USDOT):
   a. Hazardous Materials Regulations, 40 CFR 100-177 and 350-399.

10.B.ii. Methods for Protection of Features to be Preserved

The project is intended to remove all Type 1 and Type 2 vegetation as shown and to remove all vegetation in the Access and Staging areas. No trees, shrubs, vines, grasses, or groundcover will be preserved in order for the work to meets its intention and to be acceptable. All landscape features such as picnic tables, benches, etc. will be temporarily fenced. Air and water quality will be preserved by implementing dust control measures and erosion and sedimentation control measures as shown in the attached Drawings.

Fish and wildlife habitats will be preserved through the installation of turbidity curtains downstream of locations where channel sediment removal is required.

No historical cultural or archaeological resources are indicated to be present within the work area, therefore no preservation measures are planned. If Owner determines that such resources exist, that changed condition will be addressed by the Contractor with the Owner.

10.B.iii. Procedures to be Implemented to Provide Environmental Protection

Following excavation, regulated and unregulated sediment will be segregated but will both be placed on grade within the nearest staging area location and allowed to drain by gravity. Stored material will be surrounded with appropriate sedimentation and erosion control materials such as hay bales and erosion control fence, although drainage liquids will be allowed to flow downslope to the river channel from which the material was removed. Anti-tracking pads consistent with the stabilized construction entrance detail of Drawing 12 will be installed at each access/staging area shown in the attached drawings. A mechanical sweeper device, attachable to backhoe or excavator, will be available at each work location to prevent sediment deposition on public roads near access/staging areas. In addition, a subcontract for vacuum truck services will be executed for emergency spill cleanup if necessary.

10.B.iv. Location of Nearest Suitable Solid Waste Disposal Area

After appropriate waste characterization and profiling has been completed, regulated sediment will be loaded and transported for disposal at Southbridge Recycling Park, 165 Barefoot Road, Southbridge, MA, 01550, Permit # X263939. If CT DEEP establishes access, regulated sediment may be delivered to the Tire Pond site operated by DEEP, located in Hamden, CT

10.B.v. Drawing Showing Locations of Proposed Features

See attached Drawings that illustrate unregulated soil stockpile and dewatering areas, regulated soil stockpile and dewatering areas, construction entrances, on-site haul roads, stream crossing areas, and locations of work in streams.

10.B.vi. Environmental Monitoring Plans

Air will be monitored around the perimeter of work locations when visible dust has been observed to be sustained to be present for five minutes. Total particulates in air will be measured using a personal data ram or other handheld device. Readings of particulate concentrations of 150 ug/m3 sustained for 1 minute will lead to modification of work practices and implementation dust suppression measures.

Turbidity beyond turbidity curtains will be evaluated visually. If turbidity is visible downstream of curtains, work practices will be suspended and curtain installation will be modified or enhanced

10.B.vii. Traffic Control Plan

The physical tasks that compose the project are intended to take place at locations that are off public roadways. The contractor will install temporary signage at public road access points, and will use certified flagmen as required by the contract when significant transportation activities are planned at any access point location.

10.B.viii. Methods of Protecting Surface and Groundwater

Following excavation, regulated and unregulated sediment will be segregated but will both be placed on grade within the nearest staging area location and allowed to drain by gravity. Stored material will be surrounded with appropriate sedimentation and erosion control materials such as hay bales and erosion control fence, although drainage liquids

will be allowed to flow downslope to the river channel from which the material was removed. Anti-tracking pads consistent with the stabilized construction entrance detail of Drawing 12 will be installed at each access/staging area shown in the attached drawings. A mechanical sweeper device, attachable to backhoe or excavator, will be available at each work location to prevent sediment deposition on public roads near access/staging areas. In addition, a subcontract for vacuum truck services will be executed for emergency spill cleanup if necessary.

10.B.ix. Work Area Plan Showing the Proposed Activity

See attached Drawings

Water Handling Control Plan

10.C. Water Handling / Control Plan

All work will be conducted "in the wet" during periods of low flow. No conventional dewatering is intended to take place during excavation. Any dewatering is limited to gravity drainage of stockpiled excavated sediment temporarily stored within Soil Stockpile and Dewatering Areas shown in the attached Drawings.

STATE OF CONNECTICUT

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
BUREAU OF WATER PROTECTION AND LAND REUSE
INLAND WATER RESOURCES DIVISION CONSTRUCTION SERVICES

SOUTH BRANCH PARK RIVER FLOOD CONTROL MAINTENANCE PROJECT

HARTFORD, WEST HARTFORD, & NEWINGTON, CONNECTICUT

C.T.D.E.E.P. PROJECT NUMBER DS20140776

JANUARY, 2015

DANNEL P. MALLOY
GOVERNOR

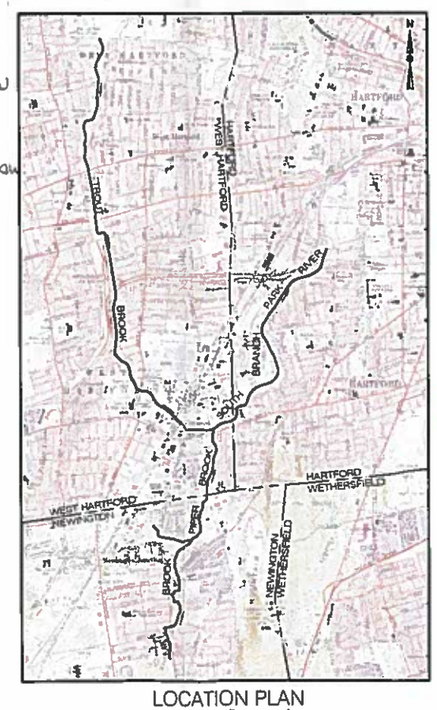
ROB KLEE
COMMISSIONER

Paganelli Construction Corp.
- Environmental Protection Plan
- Water Control + Handling Plan
- Soil Erosion + Sediment Control Plan

Drawings

LIST OF DRAWINGS

COVER SHEET
DRAWING 1 - ST. JOSEPH'S BROOK STA. 0+00 - STA. 18+00;
TROUT BROOK STA. 15+00 - STA. 46+65
DRAWING 2 - TROUT BROOK STA. 46+65 - STA. 90+00
DRAWING 3 - TROUT BROOK STA. 90+00 - STA. 97+50
AND STA. 167+00 - STA. 170+00;
ROCKLEDGE BROOK STA. 0+00 - STA. 7+68
AND STA. 28+53 - STA. 30+31
DRAWING 4 - TROUT BROOK STA. 172+00 - STA. 200+50;
SOUTH BRANCH PARK RIVER STA. 200+50 - STA. 214+50
DRAWING 5 - SOUTH BRANCH PARK RIVER STA. 214+50 - STA. 258+50
DRAWING 6 - SOUTH BRANCH PARK RIVER STA. 258+50 - STA. 286+55
DRAWING 7 - SOUTH BRANCH PARK RIVER STA. 308+33 - STA. 322+17 END OF PROJECT
DRAWING 8 - PIPER BROOK STA. 0+00 - STA. 44+50
DRAWING 9 - PIPER BROOK STA. 44+50 - STA. 74+20 END OF PROJECT;
MILL BROOK STA. 53+50 - STA. 66+00
DRAWING 10 - MILL BROOK STA. 66+00 - STA. 78+25,
STA. 102+00 TO STA. 104+50,
AND STA. 112+15 - STA. 121+07 END OF PROJECT
DRAWING 11 - FLOODWALL REPAIR DETAILS
DRAWING 12 - CONSTRUCTION DETAILS



LOCATION PLAN
SCALE: 1"=3000'

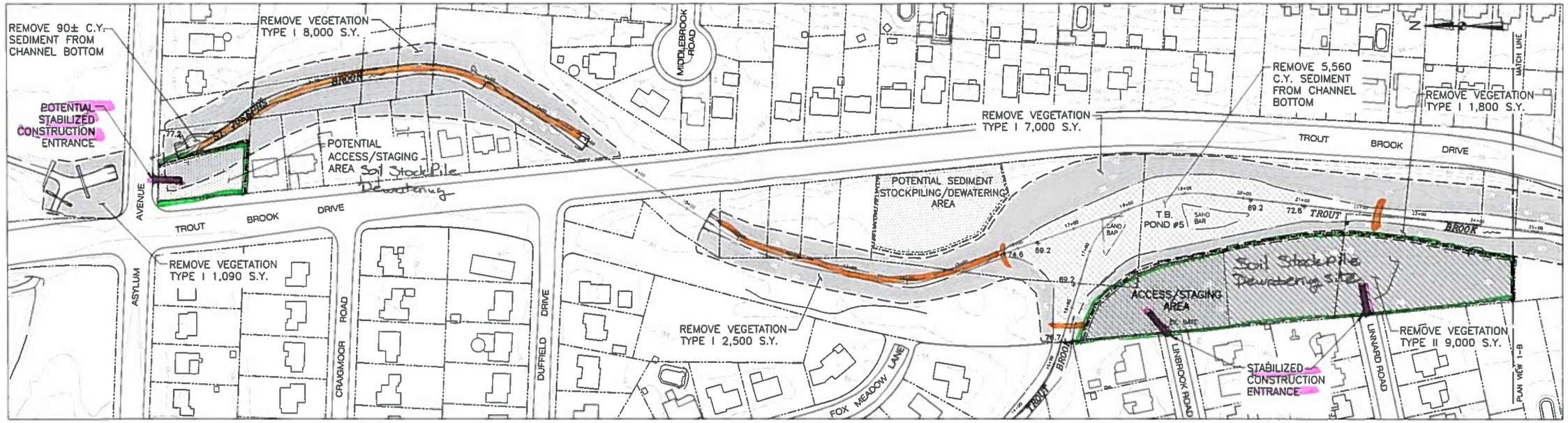
Project Key:
- Soil Stockpile + Dewatering Areas
- Construction Entrances
- Onsite Haul Roads
- Stream Crossing + Access Work In Streams
- Regulated Soil Stockpile + Dewatering Area

PREPARED FOR:

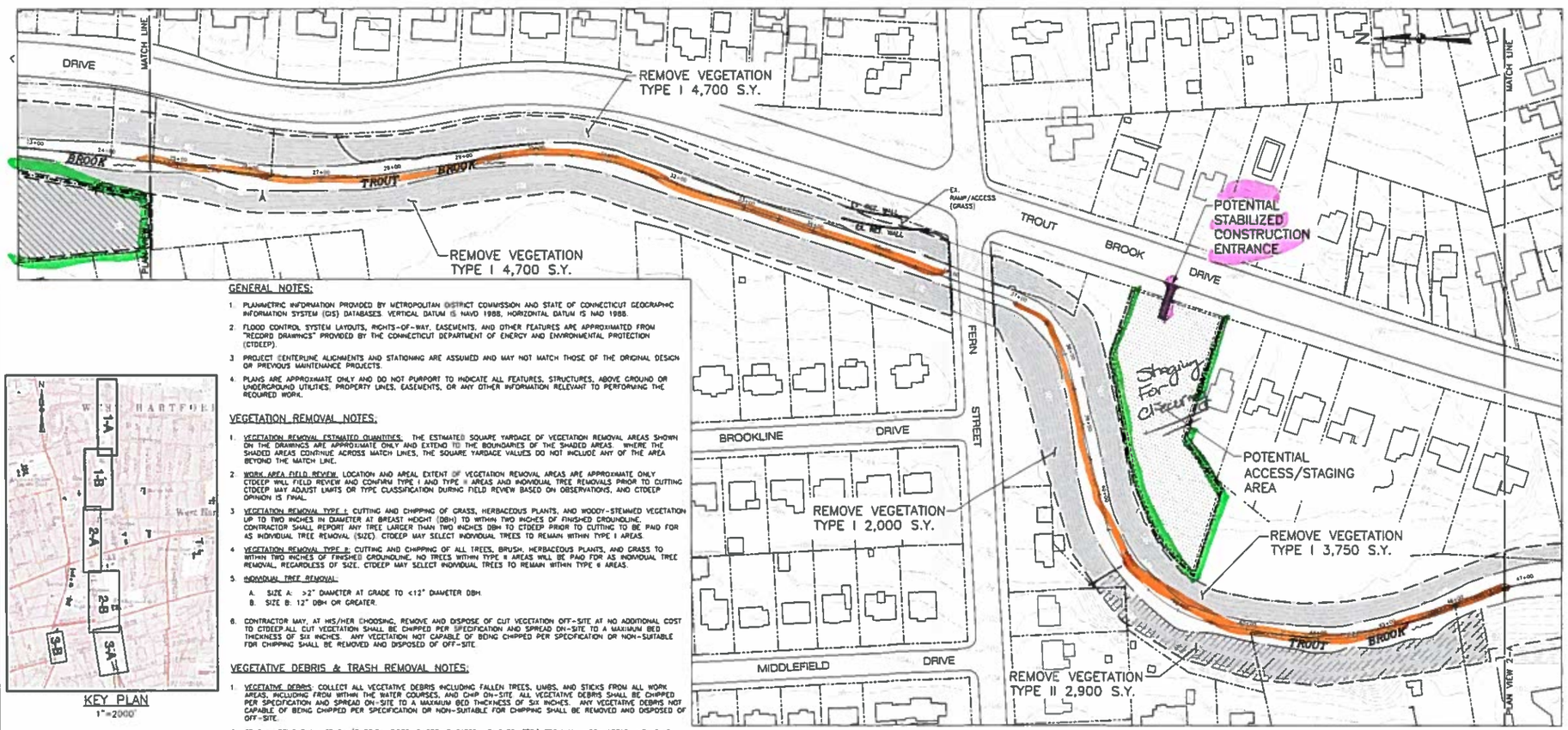
Connecticut Department of Energy & Environmental Protection (C.T.D.E.E.P.)
79 Elm Street
Hartford, CT 06106

DESIGNER:

GZA GeoEnvironmental, Inc.
Engineers and Scientists
ONE FINANCIAL PLAZA
1350 Main Street, Suite 1400
Springfield, MA 01103
413-726-2100



PLAN VIEW 1-A



PLAN VIEW 1-B

GENERAL NOTES:

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KEY PLAN
1"=2000'

LEGEND

- EDGE OF WATER
- PROPERTY LINE
- 2 FT. CONTOUR
- 10 FT. CONTOUR
- 10+00 11+00 PROJECT CENTERLINE (APPROX. BROOK CENTERLINE)
- SEDIMENTATION CONTROL BARRIER
- TYPE I VEGETATION REMOVAL
- TYPE II VEGETATION REMOVAL
- SEDIMENT REMOVAL AREA
- +79.3 PROPOSED SPOT GRADE

GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

NO	ISSUE/DESCRIPTION	BY	DATE
1	GENERAL REVISIONS	EDM	7/27/15

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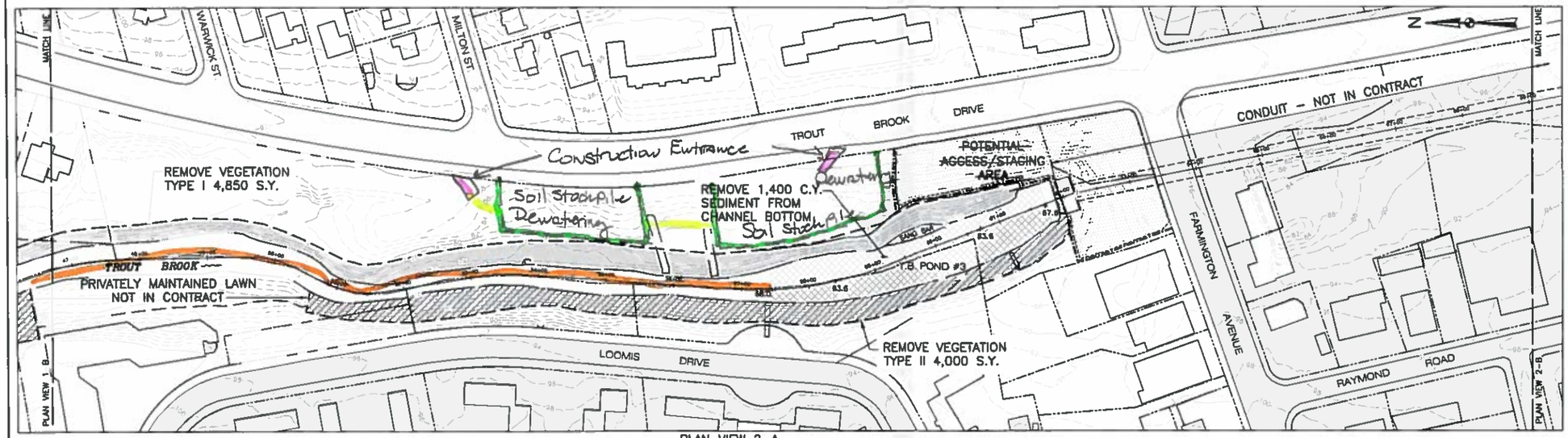
SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

ST. JOSEPH'S BROOK STA. 8+00 - STA. 18+00;
TROUT BROOK STA. 15+00 - STA. 46+85

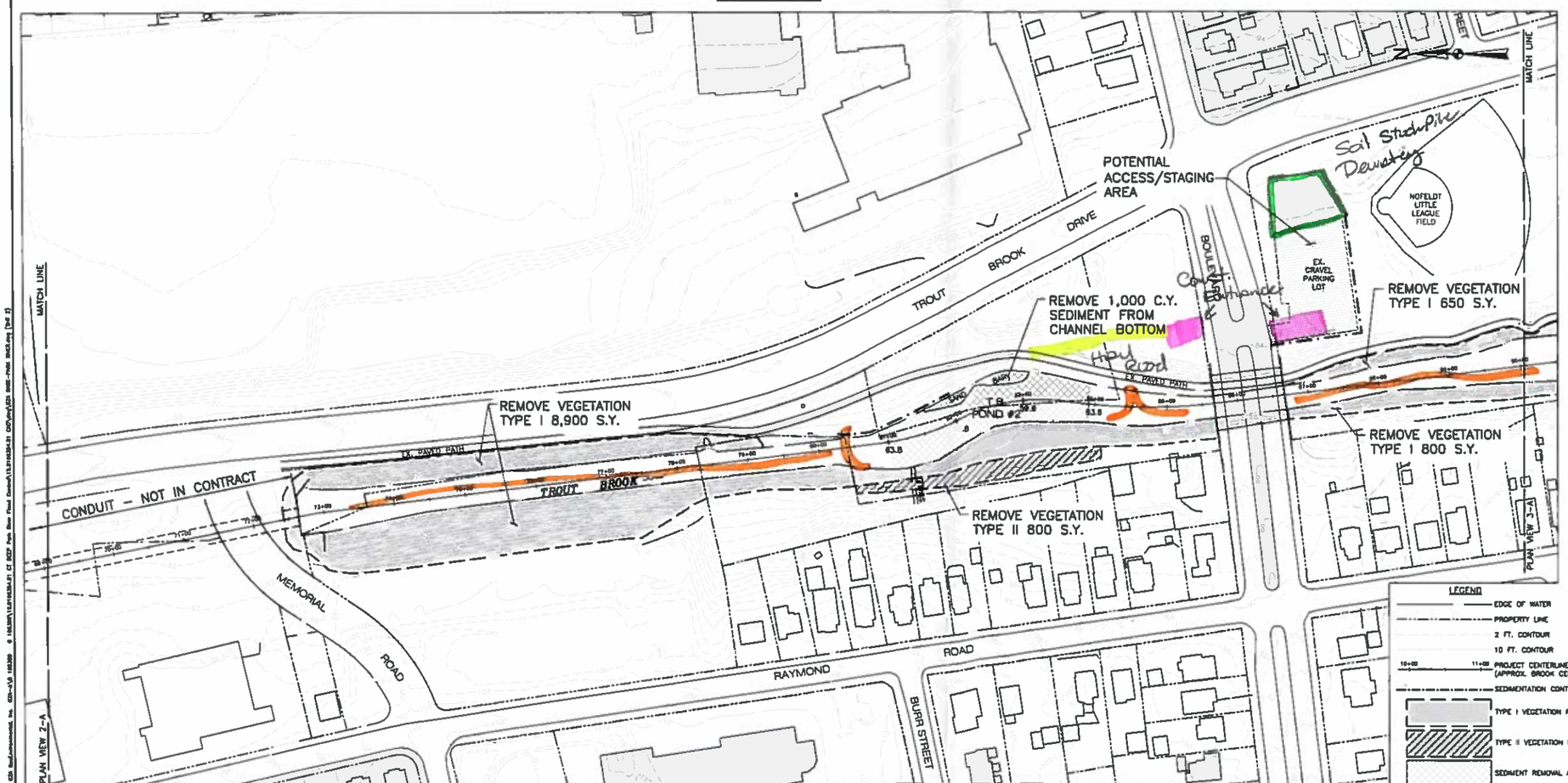
PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (CT DEEP)
79 ELM STREET
HARTFORD, CT

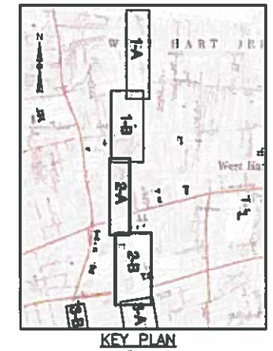
PROJ MGR	NYA	REVIEWED BY	NYA	CHECKED BY	TEJ	DRAWING	1
DESIGNED BY	NYA	DRAWN BY	EDM	SCALE	1"=80'		
DATE	JANUARY 2015	PROJECT NO.	15.0168354.01	REVISION NO	1		



PLAN VIEW 2-A



PLAN VIEW 2-B



KEY PLAN
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0 40 80 160
SCALE IN FEET

LEGEND
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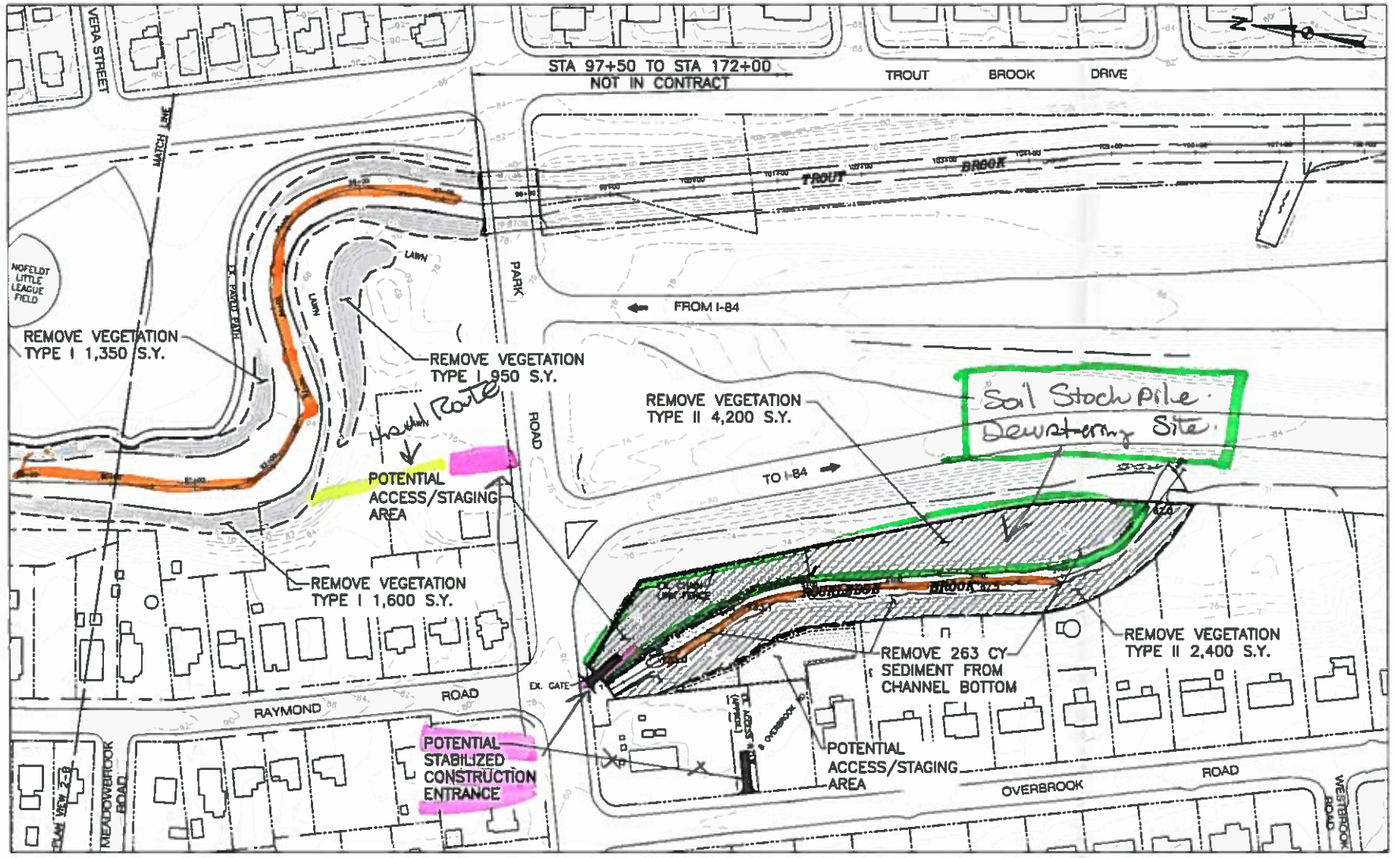
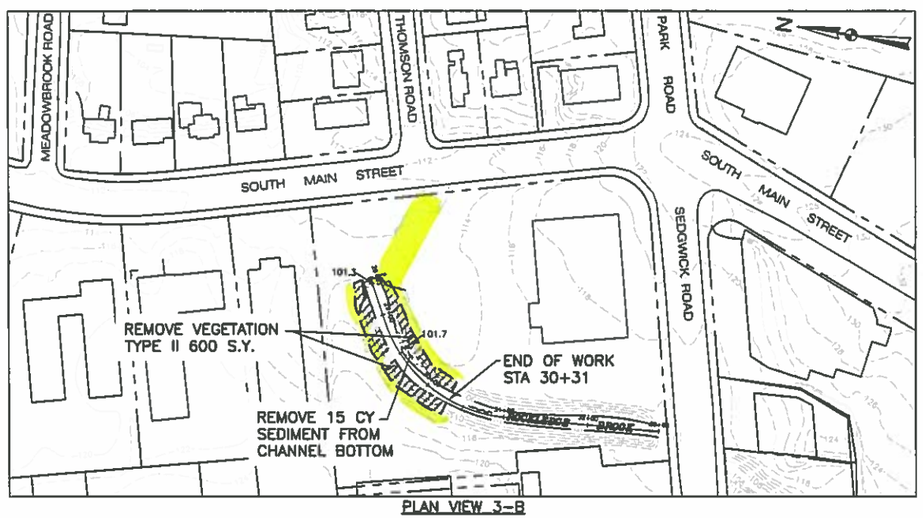
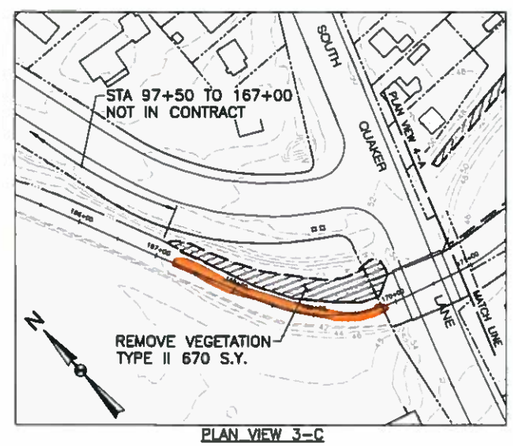
PROJ MGR: NYA	REVIEWED BY: NYA		CHECKED BY: YEJ	DRAWING	
DESIGNED BY: NYA	DRAWN BY: EDM		SCALE: 1"=80'	2	
DATE: JANUARY 2015	PROJECT NO: 15.0156354.01		REVISION NO		



PLAN VIEW 3-A



PLAN VIEW 3-B



PLAN VIEW 3-C

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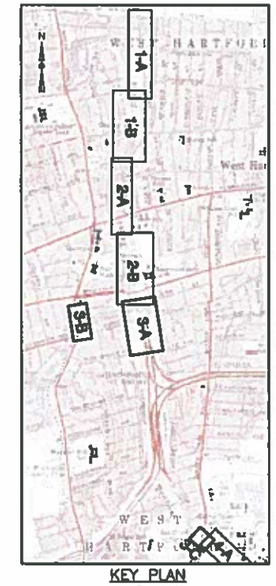

KEY PLAN
1"=2000'

LEGEND

- EDGE OF WATER
- PROPERTY LINE
- 2 FT. CONTOUR
- 10 FT. CONTOUR
- 10+00 11+00 PROJECT CENTERLINE (APPROX. BROOK CENTERLINE)
- SEDIMENTATION CONTROL BARRIER
- TYPE I VEGETATION REMOVAL
- TYPE II VEGETATION REMOVAL
- SEDIMENT REMOVAL AREA
- +79.3 PROPOSED SPOT GRADE

GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

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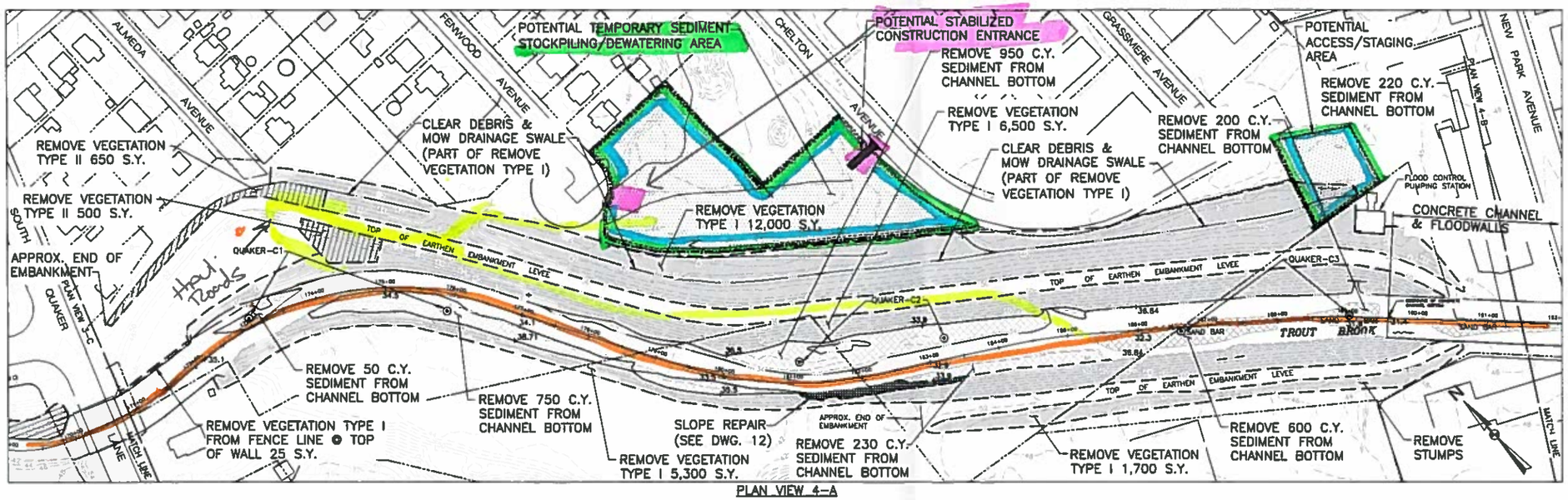
SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

TROUT BROOK STA. 90+00 - STA. 97+50
AND STA. 167+00 - STA. 170+00;
ROCKLEDGE BROOK STA. 0+00 - STA. 7+68
AND STA. 28+53 - STA. 30+31

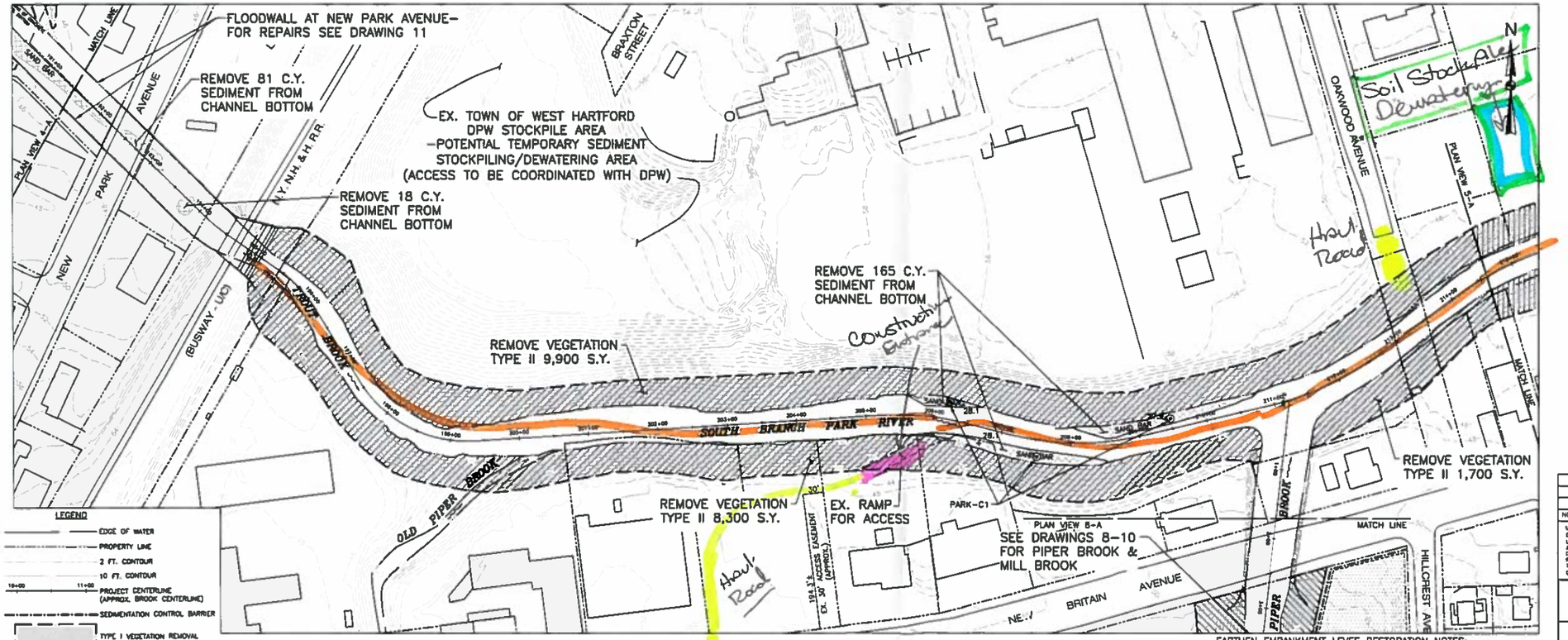
PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (CT DEEP)
79 ELM STREET
HARTFORD CT

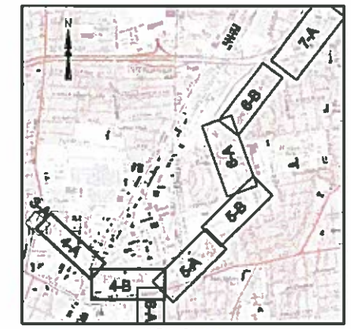
PROJ MGR	NYA	REVIEWED BY	NYA	CHECKED BY	TEJ	DRAWING
DESIGNED BY	NYA	DRAWN BY	EDM	SCALE	1"=80'	3
DATE		PROJECT NO		REVISION NO		
JANUARY 2015		15 0166354 01				



PLAN VIEW 4-A



PLAN VIEW 4-B



KEY PLAN
1"=2000'

GENERAL NOTES:

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GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

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SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

TROUT BROOK STA. 172+00 - STA. 200+50;
SOUTH BRANCH PARK RIVER STA. 200+50 - STA. 214+50

PREPARED BY
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (CT DEEP)
79 ELM STREET
HARTFORD, CT

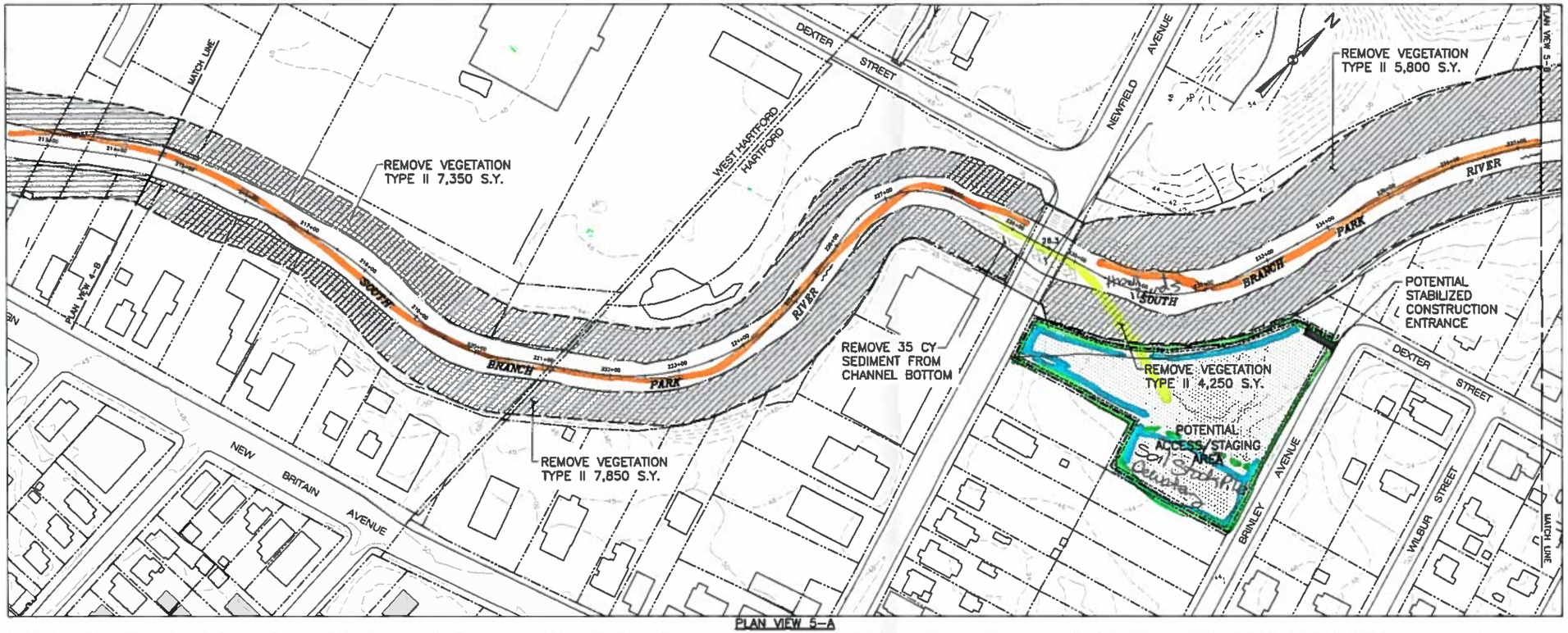
PROJ MGR.	NYA	REVIEWED BY	NYA	CHECKED BY	TEJ	DRAWING	4
DESIGNED BY	NYA	DRAWN BY	EDM	SCALE	1"=40'		
DATE	JANUARY 2015	PROJECT NO	15.0168354.01	REVISION NO			

LEGEND

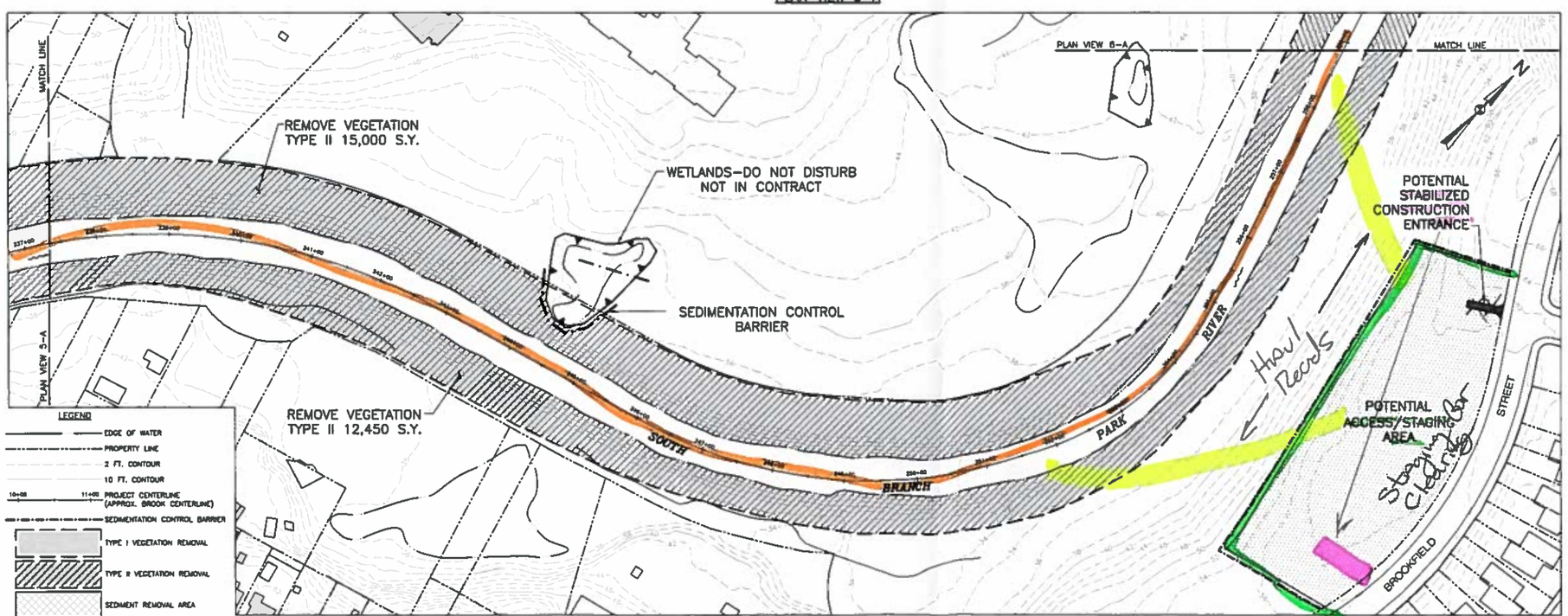
- EDGE OF WATER
- PROPERTY LINE
- 2 FT. CONTOUR
- 10 FT. CONTOUR
- 10+00 11+00 PROJECT CENTERLINE (APPROX. BROOK CENTERLINE)
- SEDIMENTATION CONTROL BARRIER
- TYPE I VEGETATION REMOVAL
- TYPE II VEGETATION REMOVAL
- SEDIMENT REMOVAL AREA
- +79.3 PROPOSED SPOT GRADE
- SEDIMENT SAMPLE LOCATION

EARTHEN EMBANKMENT LEVEE RESTORATION NOTES:

1. THE EARTH EMBANKMENT LEVEES ALONG TROUT BROOK BETWEEN SOUTH QUAKER LANE AND NEW PARK AVENUE (STA 171+00 – 191+00) IN WEST HARTFORD WILL REQUIRE TURF ESTABLISHMENT IN AREAS WHERE GRASS COVER IS THIN OR MISSING.
2. PRIOR TO THE START OF WORK, THE ENGINEER WILL DELINEATE AREAS ON THE EMBANKMENTS REQUIRING TURF ESTABLISHMENT.
3. REMOVE VEGETATION AS PRESCRIBED IN THE SPECIFICATIONS AND AS NOTED ON PLAN VIEW 4-A ON DRAWING 4.
4. REMOVE PLANT CUTTINGS AND VEGETATIVE DEBRIS FROM EMBANKMENT SURFACES AND CHIP AND SPREAD AT OTHER PROJECT LOCATIONS TO BE DETERMINED BY CTDEEP.
5. CONDUCT BURROWING ANIMAL CONTROL AND BURROW HOLE EXAMINATION.
6. PLACE TOPSOIL, BORROW, SEED, AND MULCH AS NEEDED AND ESTABLISH UNIFORM TURF SURFACES OVER AREAS DELINEATED BY THE ENGINEER.



PLAN VIEW 5-A



PLAN VIEW 5-B

LEGEND

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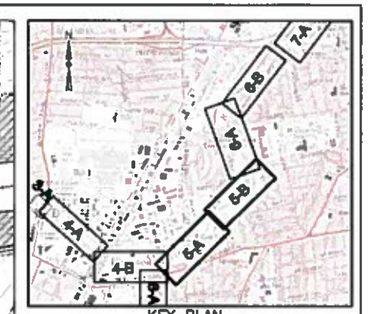

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GRAPHIC SCALE
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SCALE IN FEET

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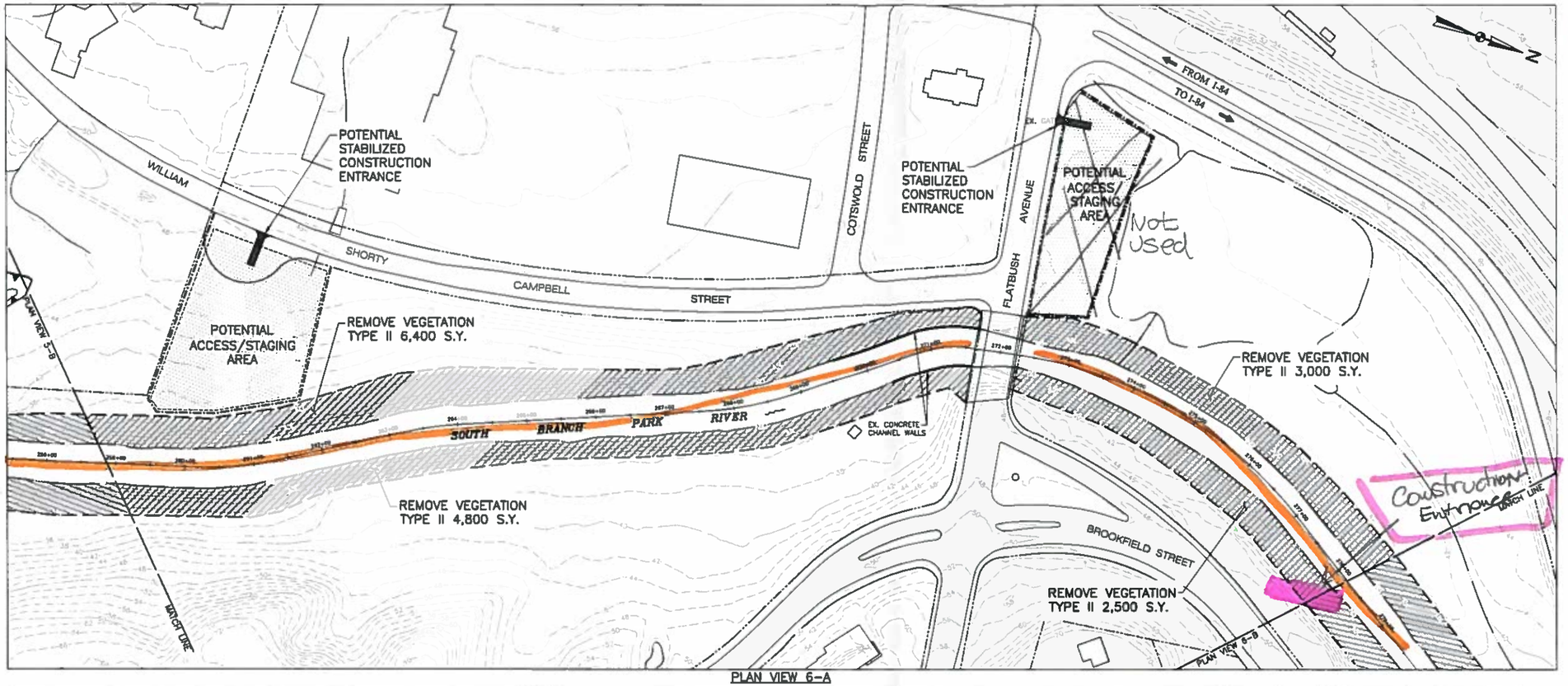
SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

SOUTH BRANCH PARK RIVER STA. 214+50 - STA. 258+50

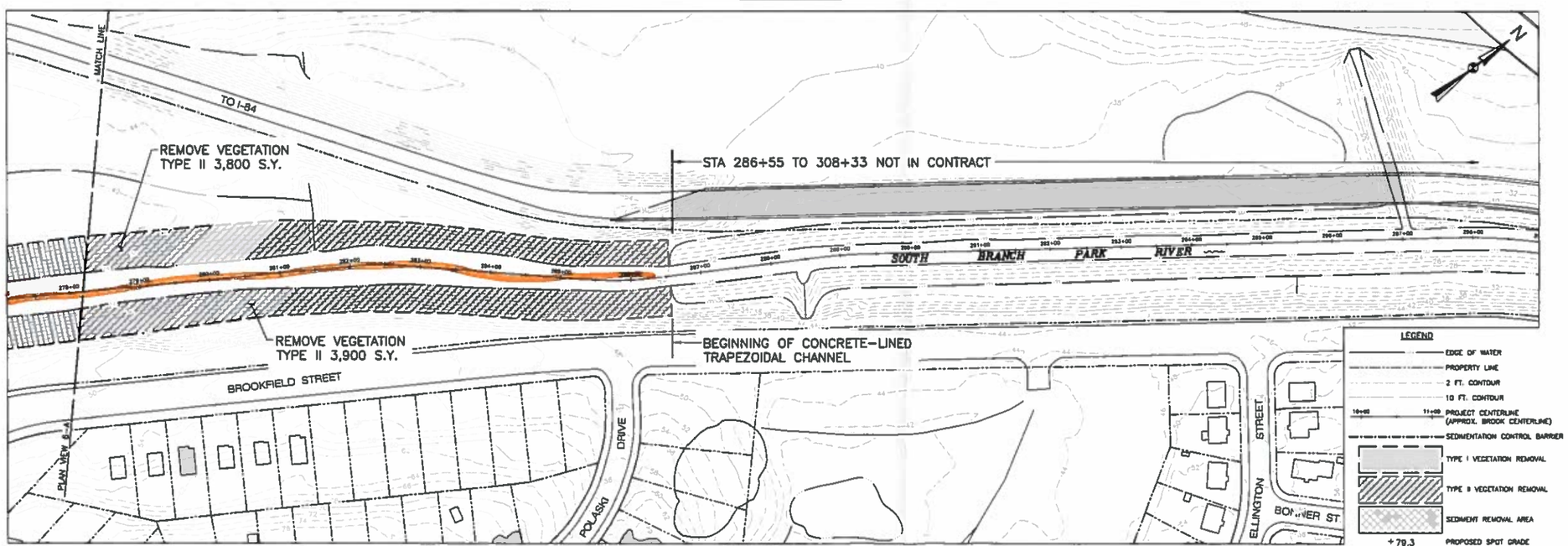
PREPARED BY
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION C.T.(D.E.E.P.)
79 ELM STREET
HARTFORD, CT

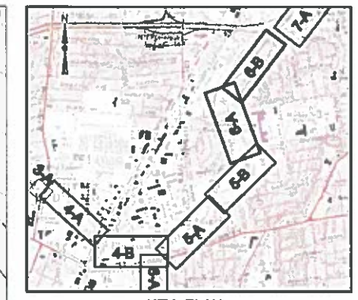
PROJ MGR	NYA	REVIEWED BY	NYA	CHECKED BY	TEJ	DRAWING	
DESIGNED BY	NYA	DRAWN BY	EDM	SCALE	1"=80'	5	
DATE JANUARY 2015		PROJECT NO 15.0168354.01		REVISION NO			



PLAN VIEW 6-A



PLAN VIEW 6-B



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- SEDIMENT SAMPLE LOCATION

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SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

SOUTH BRANCH PARK RIVER STA. 258+50 - STA. 286+55

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PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (CT DEEP)
79 ELM STREET
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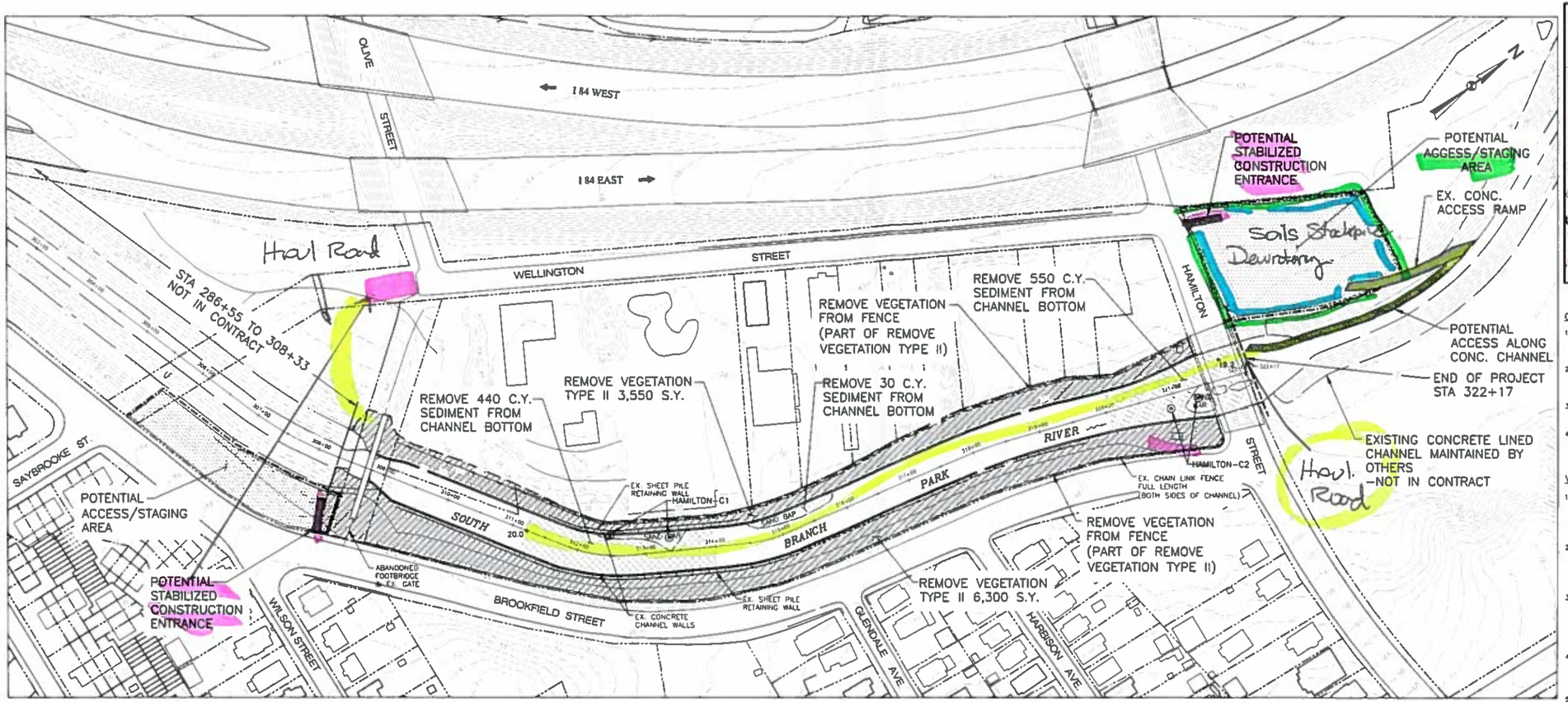
PROJ MGR: NYA	REVIEWED BY: NYA	CHECKED BY: TEJ	DRAWING
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	6
DATE: JANUARY 2015	PROJECT NO: 15.0168354.01	REVISION NO:	



PLAN VIEW 7-A

KEY PLAN
1"=2000'

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GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

NOTES:

1. EXISTING CHANNEL FROM STA 308+33 TO STA 322+17 IS RECTANGULAR CONCRETE LINED.
2. VEGETATION REMOVAL GENERALLY APPLIES TO THE AREA ON THE LANDSIDE OF THE VERTICAL CHANNEL WALLS. HOWEVER, ANY VEGETATION GROWING IN CONCRETE BREAKS OR JOINTS SHALL ALSO BE REMOVED.
3. REMOVE VEGETATION FROM BOTH SIDES OF THE SHEET PILE RETAINING WALLS.
4. REMOVE ACCUMULATED SEDIMENTS FROM CHANNEL BOTTOM WHERE INDICATED ON THE PLANS OR AS DETERMINED IN THE FIELD BY C.T.D.E.E.P.

LEGEND

- EDGE OF WATER
- PROPERTY LINE
- 2 FT. CONTOUR
- 10 FT. CONTOUR
- 10+00 11+00 PROJECT CENTERLINE (APPROX. BROOK CENTERLINE)
- SEDIMENTATION CONTROL BARRIER
- TYPE I VEGETATION REMOVAL
- TYPE II VEGETATION REMOVAL
- SEDIMENT REMOVAL AREA
- +79.3 PROPOSED SPOT GRADE
- SEDIMENT SAMPLE LOCATION

NO	ISSUE/DESCRIPTION	BY	DATE
1	GENERAL REVISIONS	EDM	7/27/15

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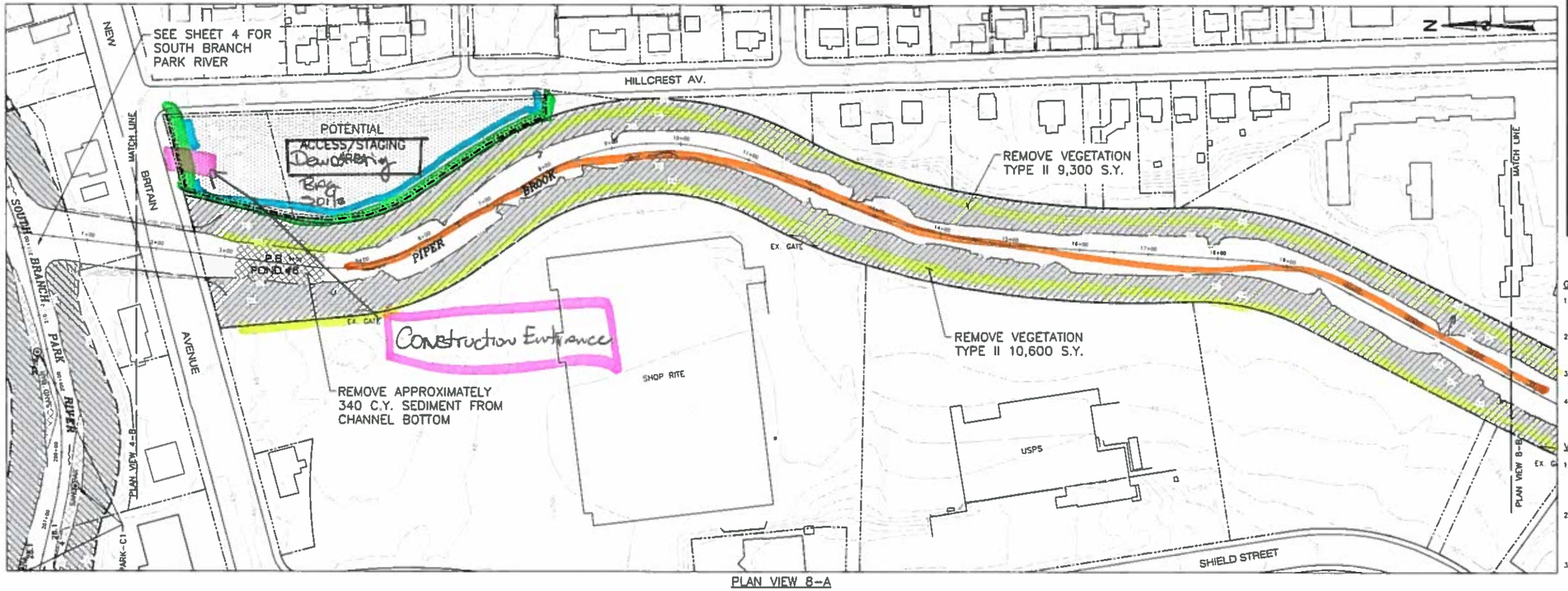
SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

SOUTH BRANCH PARK RIVER STA. 308+33 - STA. 322+17
END OF PROJECT

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (C.T.D.E.E.P.)
79 ELM STREET
HARTFORD, CT

PROJ MGR: NYA	REVIEWED BY: NYA	CHECKED BY: TEJ	DRAWING
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	7
DATE: JANUARY 2015	PROJECT NO: 15.0168354.01	REVISION NO: 1	



PLAN VIEW 8-A

KEY PLAN
1"=2000'

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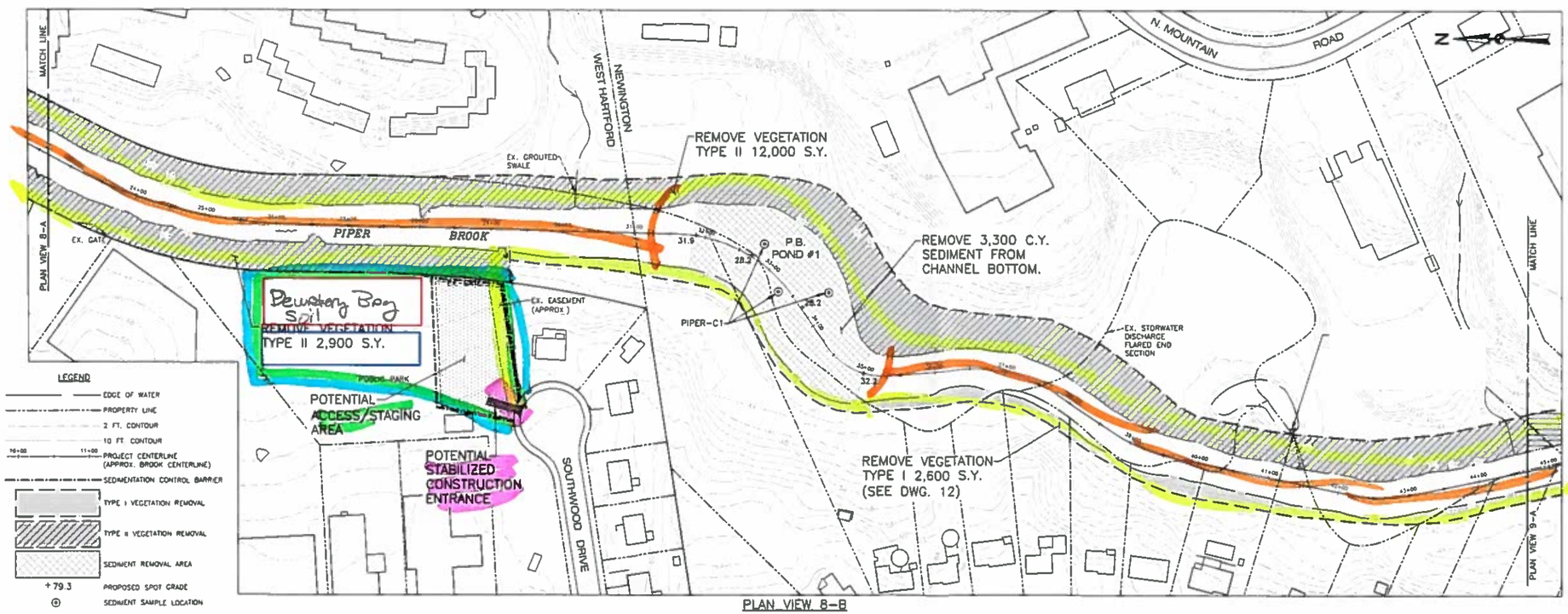

PLAN VIEW 8-B

LEGEND

- EDGE OF WATER
- PROPERTY LINE
- 2 FT. CONTOUR
- 10 FT. CONTOUR
- 10+00 11+00 PROJECT CENTERLINE (APPROX. BROOK CENTERLINE)
- SEDIMENTATION CONTROL BARRIER
- TYPE I VEGETATION REMOVAL
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GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

NO	ISSUE/DESCRIPTION	BY	DATE
1	GENERAL REVISIONS	EDM	7/27/15

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SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

PIPER BROOK
STA. 0+00 - STA. 44+50

PREPARED BY
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (CTDEEP)
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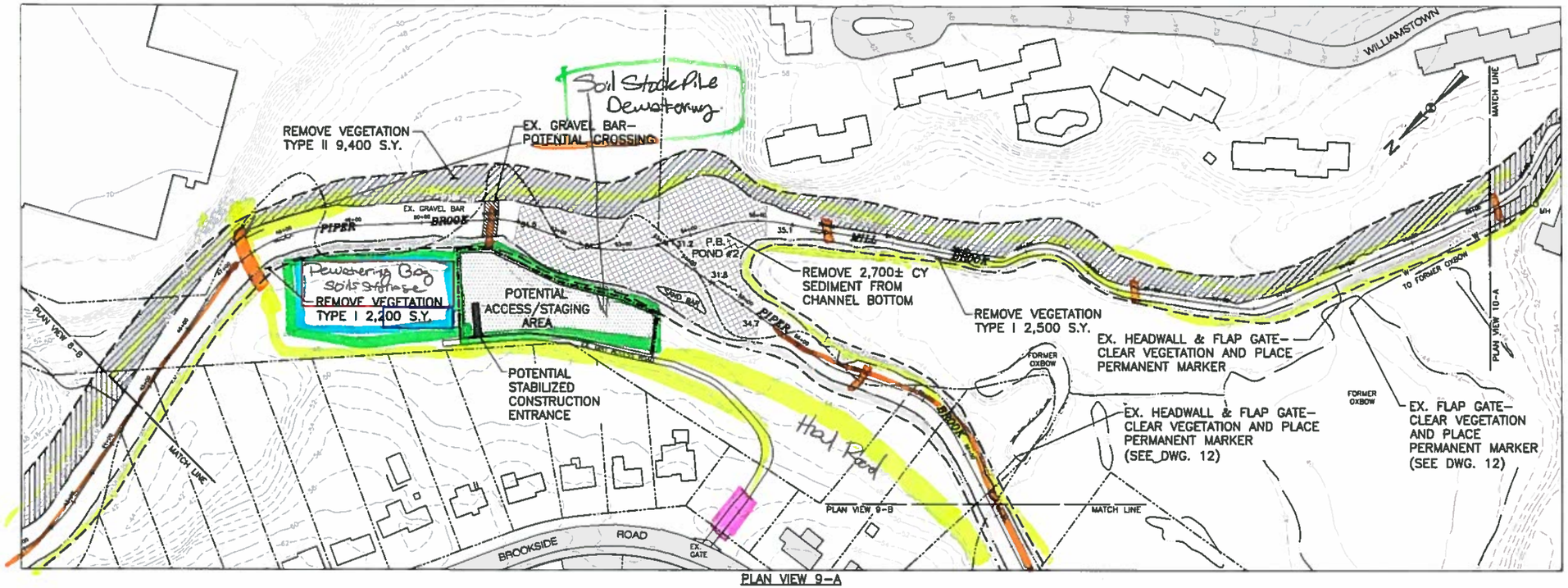
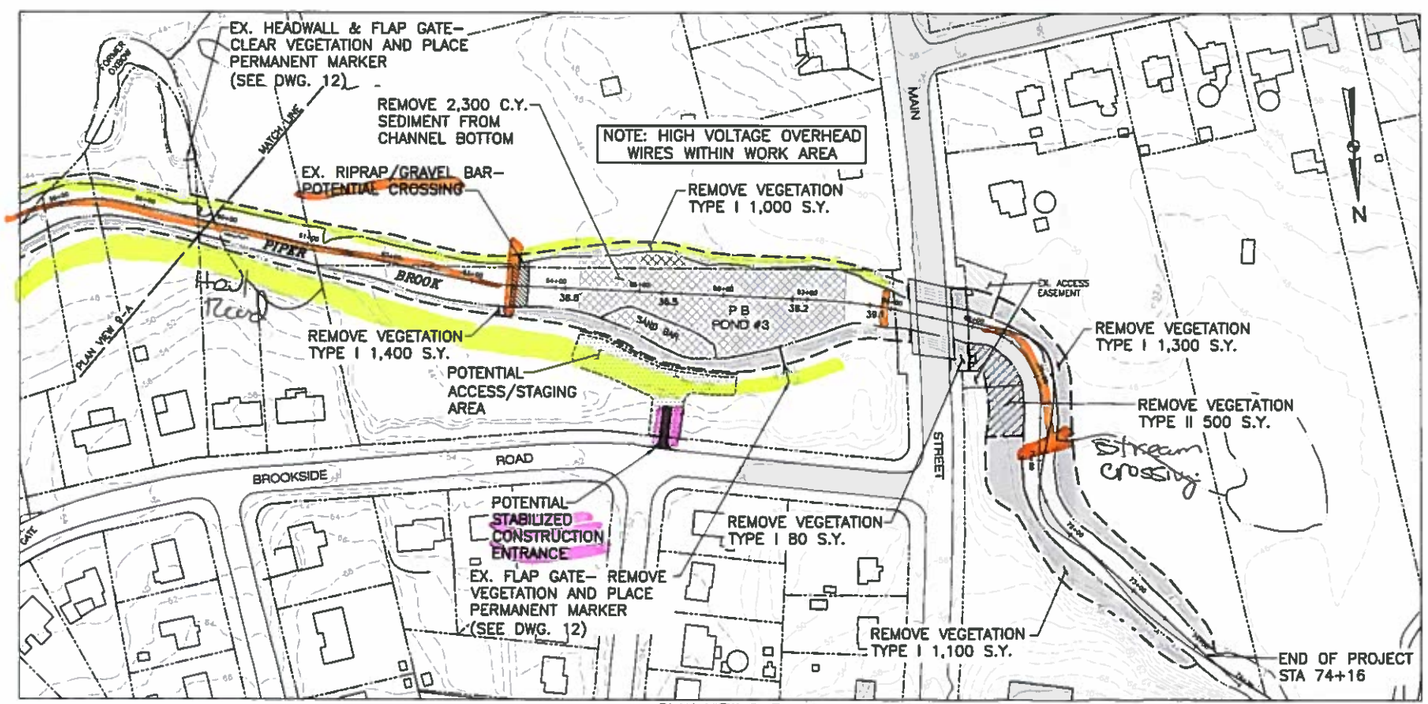
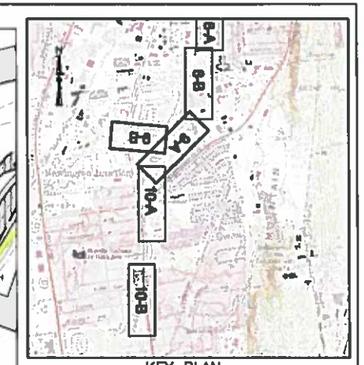
PROJ MGR: NYA	REVIEWED BY: NYA	CHECKED BY: TEJ		DRAWING
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'		8
DATE: JANUARY 2015	PROJECT NO: 15.0166354.01	REVISION NO: 1		



PLAN VIEW 9-A



PLAN VIEW 9-B



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- SEDIMENTATION CONTROL BARRIER
- TYPE I VEGETATION REMOVAL
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- SEDIMENT REMOVAL AREA
- +79.3 PROPOSED SPOT GRADE
- SEDIMENT SAMPLE LOCATION

GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

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SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

PIPER BROOK STA. 44+50 - STA. 74+20 END OF PROJECT; MILL BROOK STA. 53+50 - STA. 66+80

PREPARED BY
GZA GeoEnvironmental, Inc
Engineers and Scientists
www.gza.com

PREPARED FOR
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (C.T.D.E.E.P.)
79 ELM STREET
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PROJ MGR NYA	REVIEWED BY NYA	CHECKED BY TEJ	DRAWING 9
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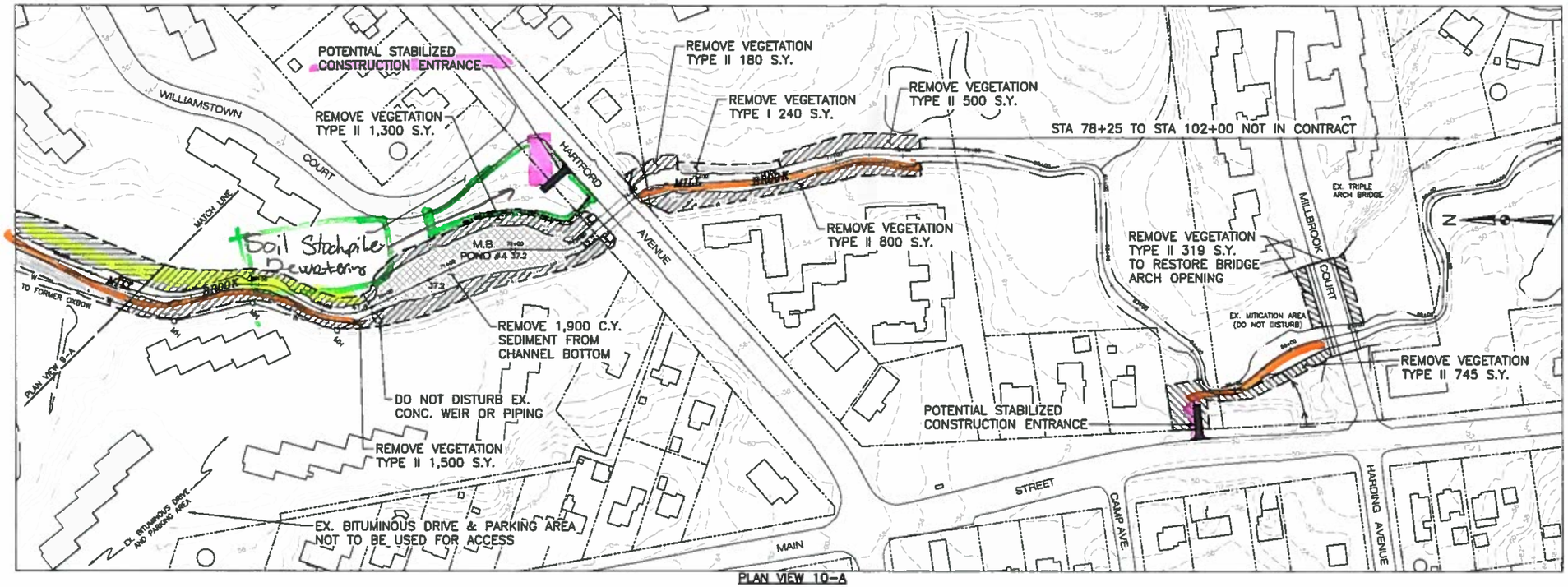
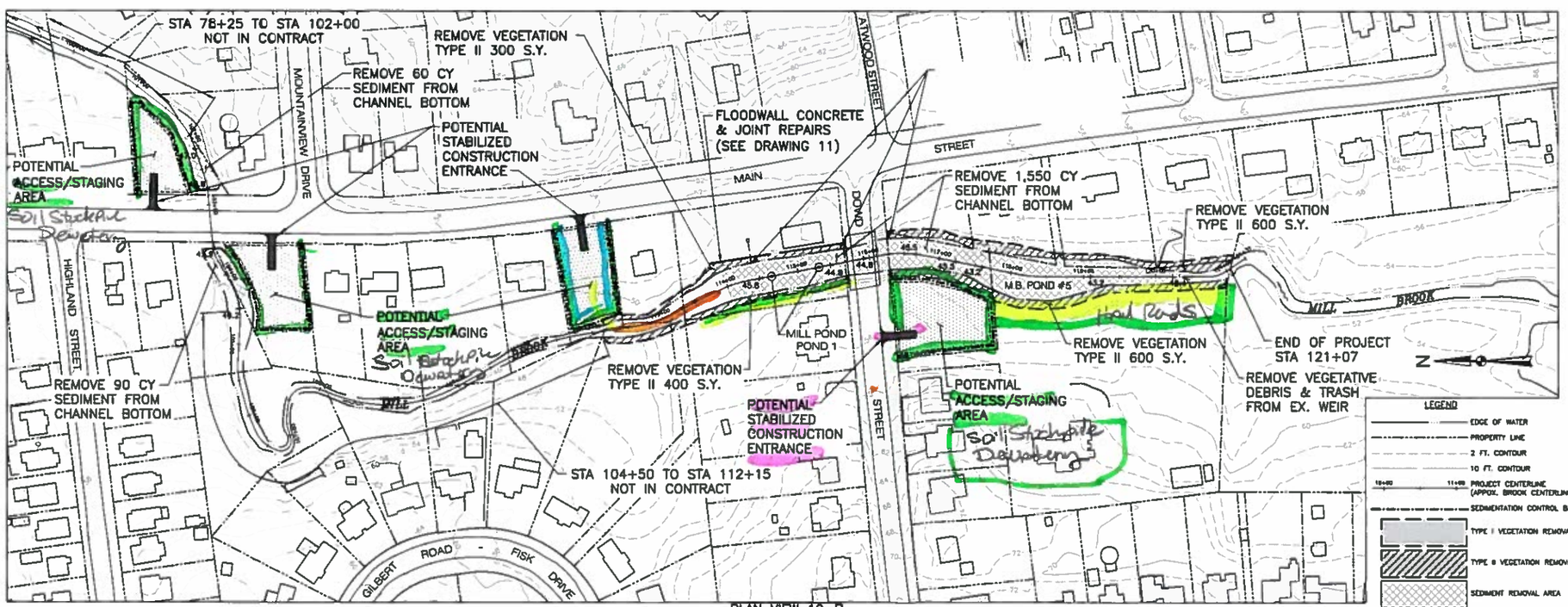
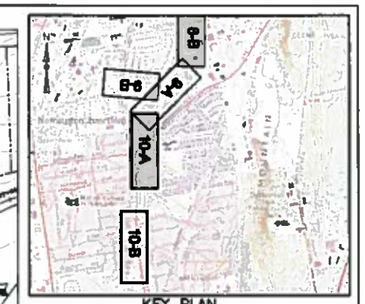


PLAN VIEW 10-A



PLAN VIEW 10-B



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- TYPE II VEGETATION REMOVAL
- SEDIMENT REMOVAL AREA
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- SEDIMENT SAMPLE LOCATION

NO.	ISSUE/DESCRIPTION	BY	DATE
1	GENERAL REVISIONS	EDM	7/27/15

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SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

MILL BROOK
STA. 66+00 - STA. 78+25, STA. 102+00 - STA. 104+50, AND STA. 112+15 - STA. 121+07 END OF PROJECT

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (CT DEEP)
79 ELM STREET
HARTFORD, CT

PROJ MGR: NYA	REVIEWED BY: NYA	CHECKED BY: TEJ	DRAWING 10
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	
DATE: JANUARY 2015	PROJECT NO: 15.0166354.01	REVISION NO: 1	

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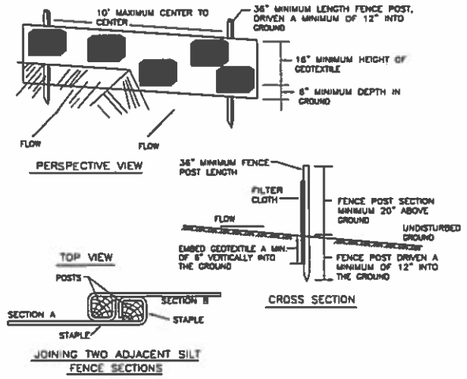
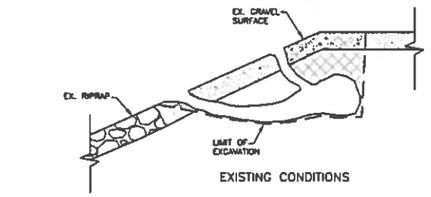
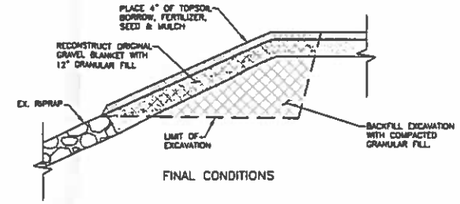


SILT FENCE SEDIMENTATION CONTROL BARRIER
NTS

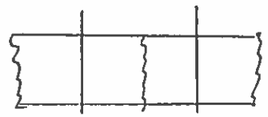


EXISTING CONDITIONS



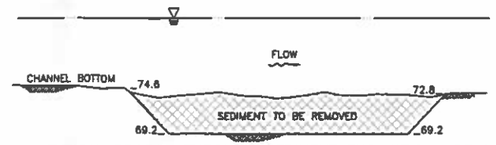
FINAL CONDITIONS

ANIMAL BURROW REPAIR DETAIL
(LEVEE EMBANKMENTS ONLY)
NTS

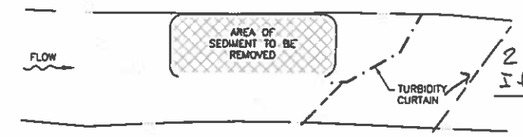


staked Hay Bales

Staked Hay Bales Installed In Front of Silt Fences At Dewatering Sites As Needed.



TYPICAL PROFILE THROUGH SEDIMENT EXCAVATION AREAS
(GRADE ELEVATIONS VARY BY SITES)
NTS



2 Curtains. If Required.

TYPICAL SUGGESTED CONTROL OF WATER AT SEDIMENT REMOVAL SITE
NTS

SUGGESTED SEQUENCE OF SEDIMENT REMOVAL FROM CHANNEL

1. IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE CONTRACTOR SHALL SUBMIT A PROPOSED PLAN FOR CONTROL AND DIVERSION OF WATER AND A PROPOSED SEDIMENT EXCAVATION PLAN PRIOR TO INITIATING ANY EXCAVATION OF ANY SEDIMENTS FROM THE CHANNELS.

2. INSTALL TURBIDITY CURTAIN PRIOR TO CONDUCTING ANY WORK IN THE STREAM CHANNEL.

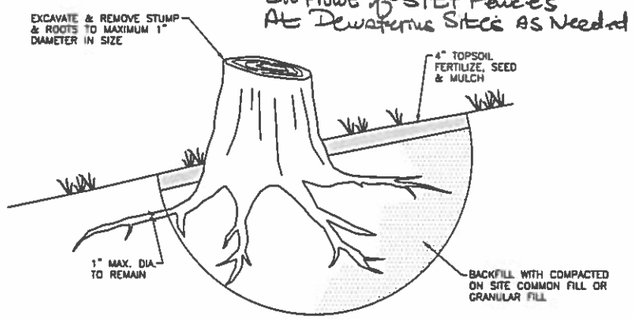
3. WORK SHALL PROCEED ONLY DURING LOW FLOW CONDITIONS AND FOLLOW ACCEPTED CONTRACTOR SEDIMENT EXCAVATION PROGRAM.

4. PREPARE APPROVED ON-LAND SEDIMENT DEWATERING SYSTEM AND SITE ADJACENT TO DREDGE AREA.

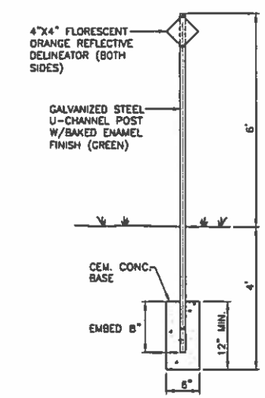
5. CONSTRUCT ACCESS DRIVE WITH ANTI-TRACKING PAD AT ROADWAY.

6. POND BOTTOMS ARE NOT LINED OR ARMORED. CONTRACTOR TO TAKE CARE NOT TO OVER-EXCAVATE BEYOND ORIGINAL BOTTOM GRADE.

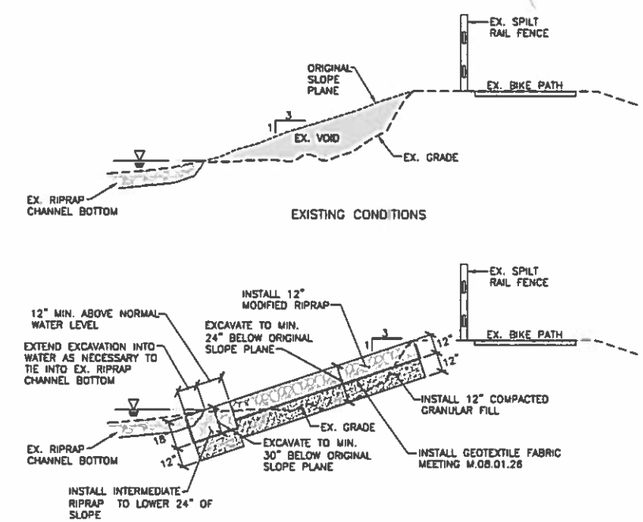
7. CHANNEL BANKS (LEFT AND RIGHT) MAY BE ARMORED WITH RIPRAP OR CONCRETE CELLULAR MATS. CONTRACTOR TO TAKE CARE NOT TO DISTURB EXISTING ARMORING.



STUMP REMOVAL DETAIL
(LEVEE EMBANKMENTS ONLY)
NTS



PERMANENT MARKER DETAIL
NTS



PROPOSED CONDITIONS

TYP. SECTION STA 181+00 – 184+00
TROUT BROOK SLOPE REPAIR
NTS

STABILIZED CONSTRUCTION ENTRANCE SPECIFICATIONS

1. Length – minimum of 30' (*20' for single residence lot).

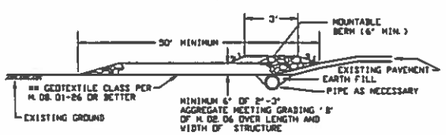
2. Width – 10' minimum, should be flared at the existing road to provide a turning radius.

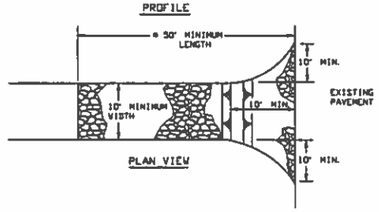
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile.

4. Stone – crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.

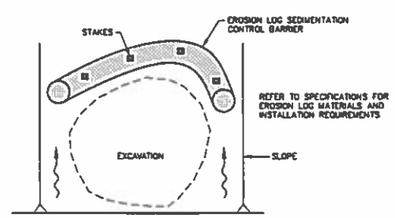
5. Surface Water – all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.

6. Location – A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

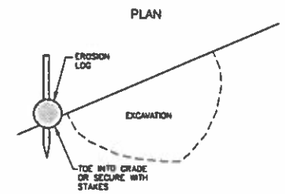




STABILIZED CONSTRUCTION ENTRANCE
NTS

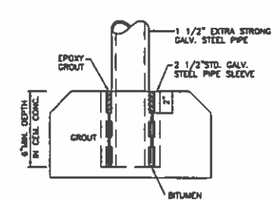


PLAN



PROFILE

EROSION LOG SEDIMENTATION CONTROL BARRIER
NTS



TYPICAL FENCE ANCHORAGE
IN CONCRETE
NTS

NO.	ISSUE/DESCRIPTION	BY	DATE

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SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

CONSTRUCTION DETAILS

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PREPARED FOR
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79 ELM STREET
HARTFORD CT

PROJ MGR	NYA	REVIEWED BY	NYA	CHECKED BY	TEJ	DRAWING
DESIGNED BY	NYA	DRAWN BY	EDM	SCALE	AS NOTED	12
DATE		PROJECT NO		REVISION NO		
JANUARY 2015		15.0168354.01				