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

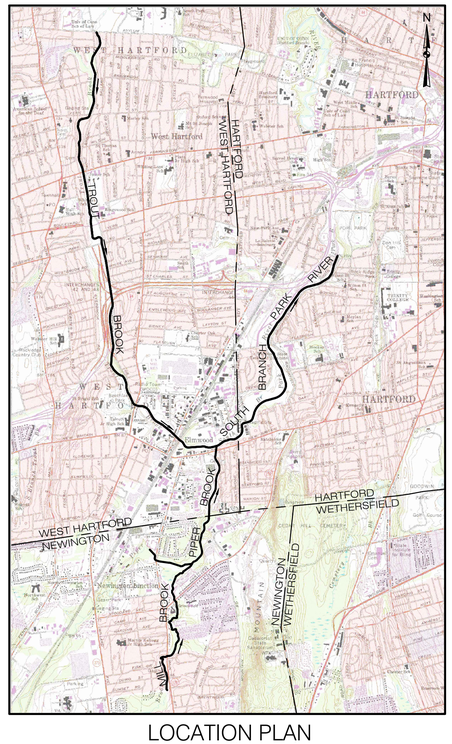
JANUARY, 2015

DANNEL P. MALLOY
GOVERNOR

ROB KLEE
COMMISSIONER

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'

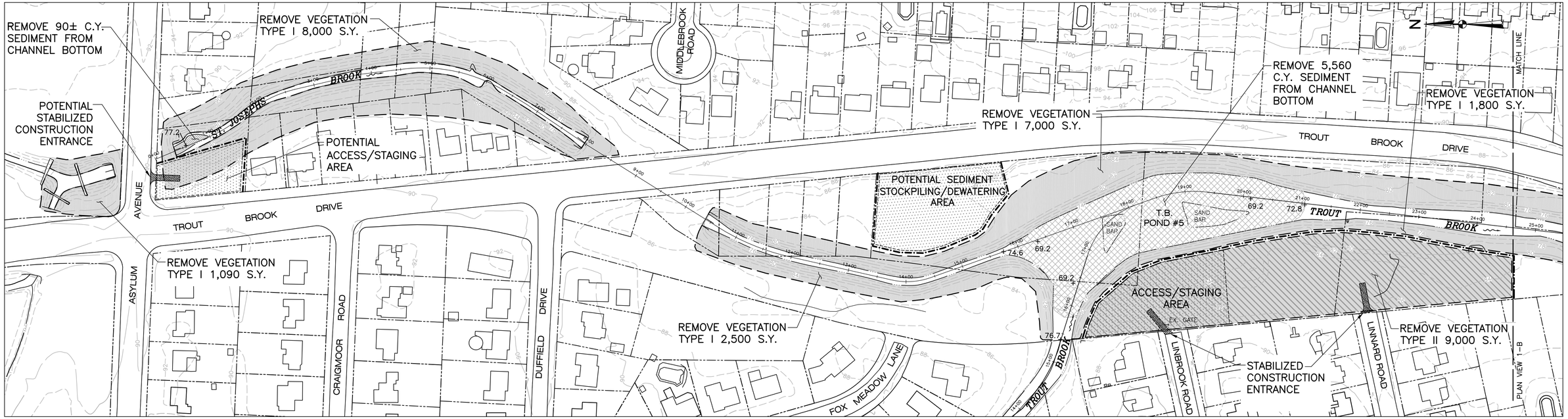
PREPARED FOR:

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

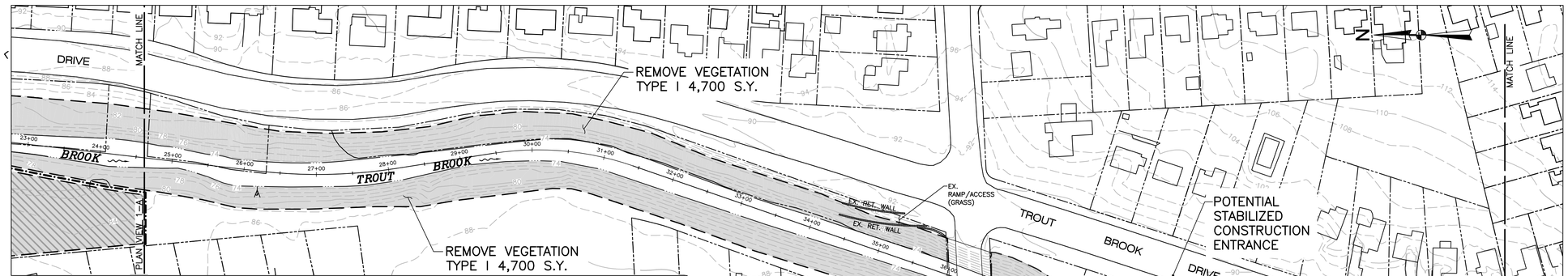
DESIGNER:

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

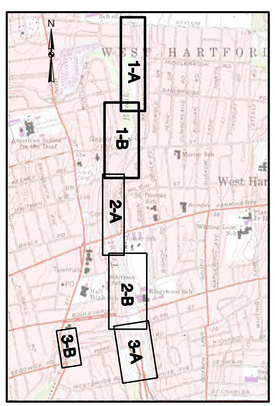
©2013- GZA GeoEnvironmental, Inc. GZA-J:\0 166300 - 0 166399\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA BASE-PARK RIVER.dwg [COVER] January 16, 2015 - 4:14pm edward.mullin



PLAN VIEW 1–A



PLAN VIEW 1–B



KEY PLAN
1"=2000'

GENERAL NOTES:

1. PLANIMETRIC INFORMATION PROVIDED BY METROPOLITAN DISTRICT COMMISSION AND STATE OF CONNECTICUT GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES. VERTICAL DATUM IS NAVD 1988; HORIZONTAL DATUM IS NAD 1988.
2. FLOOD CONTROL SYSTEM LAYOUTS, RIGHTS–OF–WAY, EASEMENTS, AND OTHER FEATURES ARE APPROXIMATED FROM "RECORD DRAWINGS" PROVIDED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP).
3. PROJECT CENTERLINE ALIGNMENTS AND STATIONING ARE ASSUMED AND MAY NOT MATCH THOSE OF THE ORIGINAL DESIGN OR PREVIOUS MAINTENANCE PROJECTS.
4. PLANS ARE APPROXIMATE ONLY AND DO NOT PURPORT TO INDICATE ALL FEATURES, STRUCTURES, ABOVE GROUND OR UNDERGROUND UTILITIES, PROPERTY LINES, EASEMENTS, OR ANY OTHER INFORMATION RELEVANT TO PERFORMING THE REQUIRED WORK.

VEGETATION REMOVAL NOTES:

1. VEGETATION REMOVAL ESTIMATED QUANTITIES: THE ESTIMATED SQUARE YARDAGE OF VEGETATION REMOVAL AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND EXTEND TO THE BOUNDARIES OF THE SHADED AREAS. WHERE THE SHADED AREAS CONTINUE ACROSS MATCH LINES, THE SQUARE YARDAGE VALUES DO NOT INCLUDE ANY OF THE AREA BEYOND THE MATCH LINE.
2. WORK AREA FIELD REVIEW: LOCATION AND AREAL EXTENT OF VEGETATION REMOVAL AREAS ARE APPROXIMATE ONLY. CTDEEP WILL FIELD REVIEW AND CONFIRM TYPE I AND TYPE II AREAS AND INDIVIDUAL TREE REMOVALS PRIOR TO CUTTING. CTDEEP MAY ADJUST LIMITS OR TYPE CLASSIFICATION DURING FIELD REVIEW BASED ON OBSERVATIONS, AND CTDEEP OPINION IS FINAL.
3. VEGETATION REMOVAL TYPE I: CUTTING AND CHIPPING OF GRASS, HERBACEOUS PLANTS, AND WOODY–STEMMED VEGETATION UP TO TWO INCHES IN DIAMETER AT BREAST HEIGHT (DBH) TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. CONTRACTOR SHALL REPORT ANY TREE LARGER THAN TWO INCHES DBH TO CTDEEP PRIOR TO CUTTING TO BE PAID FOR AS INDIVIDUAL TREE REMOVAL (SIZE). CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE I AREAS.
4. VEGETATION REMOVAL TYPE II: CUTTING AND CHIPPING OF ALL TREES, BRUSH, HERBACEOUS PLANTS, AND GRASS TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. NO TREES WITHIN TYPE II AREAS WILL BE PAID FOR AS INDIVIDUAL TREE REMOVAL, REGARDLESS OF SIZE. CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE II AREAS.
5. INDIVIDUAL TREE REMOVAL:
   A. SIZE A: >2" DIAMETER AT GRADE TO <12" DIAMETER DBH.
   B. SIZE B: 12" DBH OR GREATER.
6. CONTRACTOR MAY, AT HIS/HER CHOOSING, REMOVE AND DISPOSE OF CUT VEGETATION OFF–SITE AT NO ADDITIONAL COST TO CTDEEP.ALL CUT VEGETATION SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATION NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.

VEGETATIVE DEBRIS & TRASH REMOVAL NOTES:

1. VEGETATIVE DEBRIS: COLLECT ALL VEGETATIVE DEBRIS INCLUDING FALLEN TREES, LIMBS, AND STICKS FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND CHIP ON–SITE. ALL VEGETATIVE DEBRIS SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATIVE DEBRIS NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.
2. TRASH: REMOVE ALL TRASH (RUBBISH, TIRES, SHOPPING CARTS, VEHICLES, ETC.) FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND DISPOSE OFF–SITE.

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

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

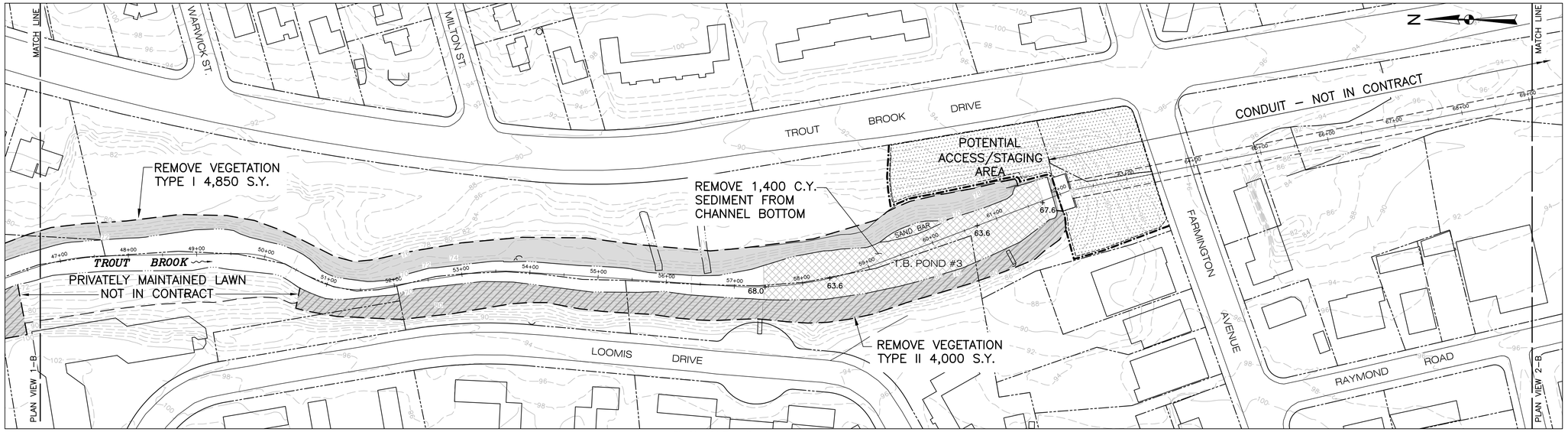
ST. JOSEPH'S BROOK STA. 0+00 - STA. 18+00;
TROUT BROOK STA. 15+00 - STA. 46+65

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

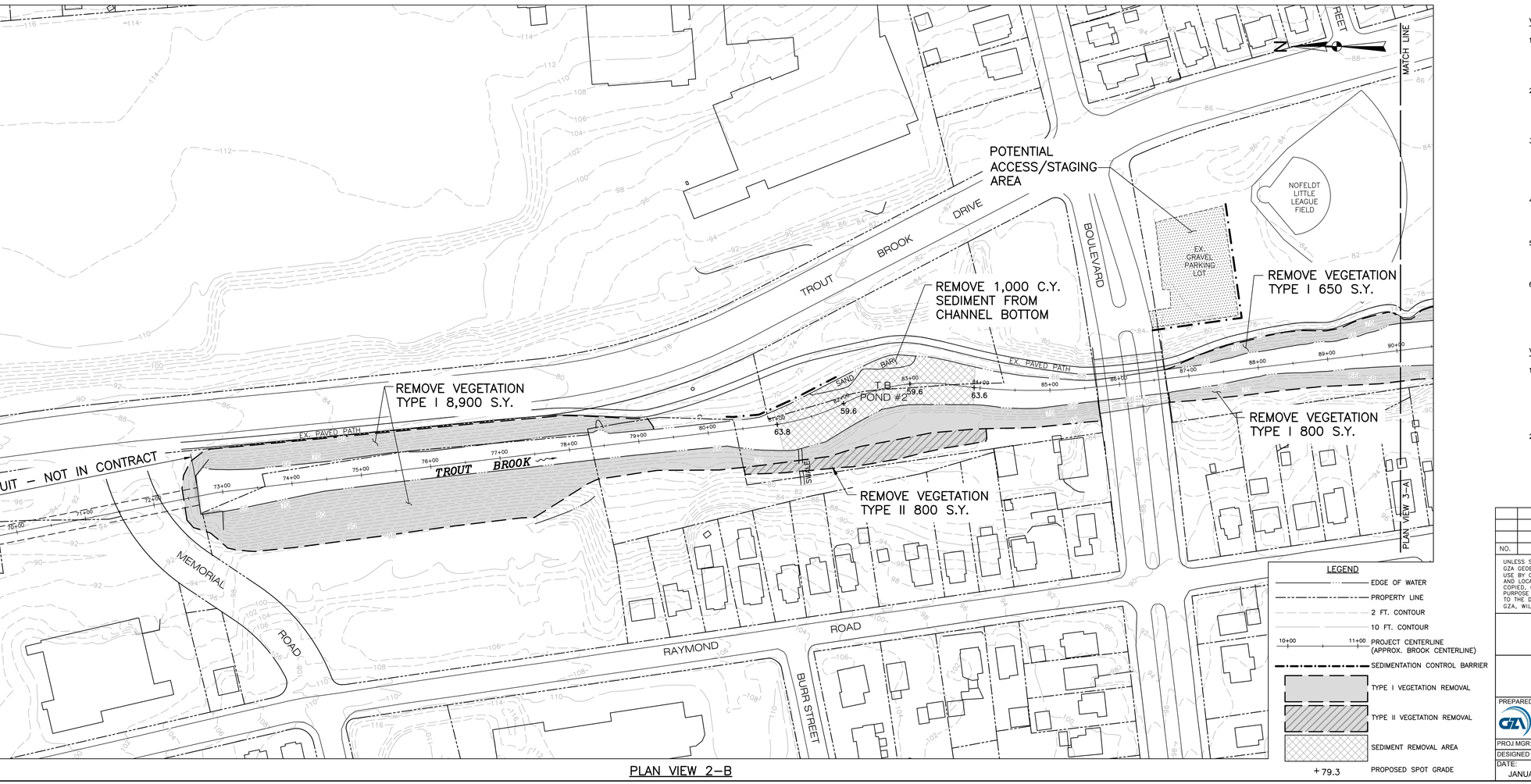
PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (C.T.D.E.E.P.)
79 ELM STREET
HARTFORD, CT

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

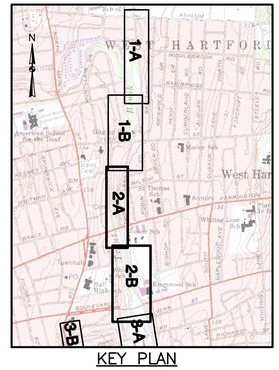
©2013– GZA GeoEnvironmental, Inc. G:\2a-a\V 166300 – 0 166399\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA BASE–PARK RIVER.dwg [SHT 1]



PLAN VIEW 2-A



PLAN VIEW 2-B



GENERAL NOTES:

1. PLANIMETRIC INFORMATION PROVIDED BY METROPOLITAN DISTRICT COMMISSION AND STATE OF CONNECTICUT GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES. VERTICAL DATUM IS NAVD 1988; HORIZONTAL DATUM IS NAD 1988.
2. FLOOD CONTROL SYSTEM LAYOUTS, RIGHTS-OF-WAY, EASEMENTS, AND OTHER FEATURES ARE APPROXIMATED FROM "RECORD DRAWINGS" PROVIDED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP).
3. PROJECT CENTERLINE ALIGNMENTS AND STATIONING ARE ASSUMED AND MAY NOT MATCH THOSE OF THE ORIGINAL DESIGN OR PREVIOUS MAINTENANCE PROJECTS.
4. PLANS ARE APPROXIMATE ONLY AND DO NOT PURPORT TO INDICATE ALL FEATURES, STRUCTURES, ABOVE GROUND OR UNDERGROUND UTILITIES, PROPERTY LINES, EASEMENTS, OR ANY OTHER INFORMATION RELEVANT TO PERFORMING THE REQUIRED WORK.

VEGETATION REMOVAL NOTES:

1. VEGETATION REMOVAL ESTIMATED QUANTITIES: THE ESTIMATED SQUARE YARDAGE OF VEGETATION REMOVAL AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND EXTEND TO THE BOUNDARIES OF THE SHADED AREAS. WHERE THE SHADED AREAS CONTINUE ACROSS MATCH LINES, THE SQUARE YARDAGE VALUES DO NOT INCLUDE ANY OF THE AREA BEYOND THE MATCH LINE.
2. WORK AREA FIELD REVIEW: LOCATION AND AREAL EXTENT OF VEGETATION REMOVAL AREAS ARE APPROXIMATE ONLY. CTDEEP WILL FIELD REVIEW AND CONFIRM TYPE I AND TYPE II AREAS AND INDIVIDUAL TREE REMOVALS PRIOR TO CUTTING. CTDEEP MAY ADJUST LIMITS OR TYPE CLASSIFICATION DURING FIELD REVIEW BASED ON OBSERVATIONS, AND CTDEEP OPINION IS FINAL.
3. VEGETATION REMOVAL TYPE I: CUTTING AND CHIPPING OF GRASS, HERBACEOUS PLANTS, AND WOODY-STEMMED VEGETATION UP TO TWO INCHES IN DIAMETER AT BREAST HEIGHT (DBH) TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. CONTRACTOR SHALL REPORT ANY TREE LARGER THAN TWO INCHES DBH TO CTDEEP PRIOR TO CUTTING TO BE PAID FOR AS INDIVIDUAL TREE REMOVAL (SIZE). CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE I AREAS.
4. VEGETATION REMOVAL TYPE II: CUTTING AND CHIPPING OF ALL TREES, BRUSH, HERBACEOUS PLANTS, AND GRASS TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. NO TREES WITHIN TYPE II AREAS WILL BE PAID FOR AS INDIVIDUAL TREE REMOVAL, REGARDLESS OF SIZE. CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE II AREAS.
5. INDIVIDUAL TREE REMOVAL:
   A. SIZE A: >2" DIAMETER AT GRADE TO <12" DIAMETER DBH.
   B. SIZE B: 12" DBH OR GREATER.
6. CONTRACTOR MAY, AT HIS/HER CHOOSING, REMOVE AND DISPOSE OF CUT VEGETATION OFF-SITE AT NO ADDITIONAL COST TO CTDEEP. ALL CUT VEGETATION SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON-SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATION NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON-SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF-SITE.

VEGETATIVE DEBRIS & TRASH REMOVAL NOTES:

1. VEGETATIVE DEBRIS: COLLECT ALL VEGETATIVE DEBRIS INCLUDING FALLEN TREES, LIMBS, AND STICKS FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND CHIP ON-SITE. ALL VEGETATIVE DEBRIS SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON-SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATIVE DEBRIS NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON-SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF-SITE.
2. TRASH: REMOVE ALL TRASH (RUBBISH, TIRES, SHOPPING CARTS, VEHICLES, ETC.) FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND DISPOSE OFF-SITE.

GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

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

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER FLOOD CONTROL MAINTENANCE PROJECT

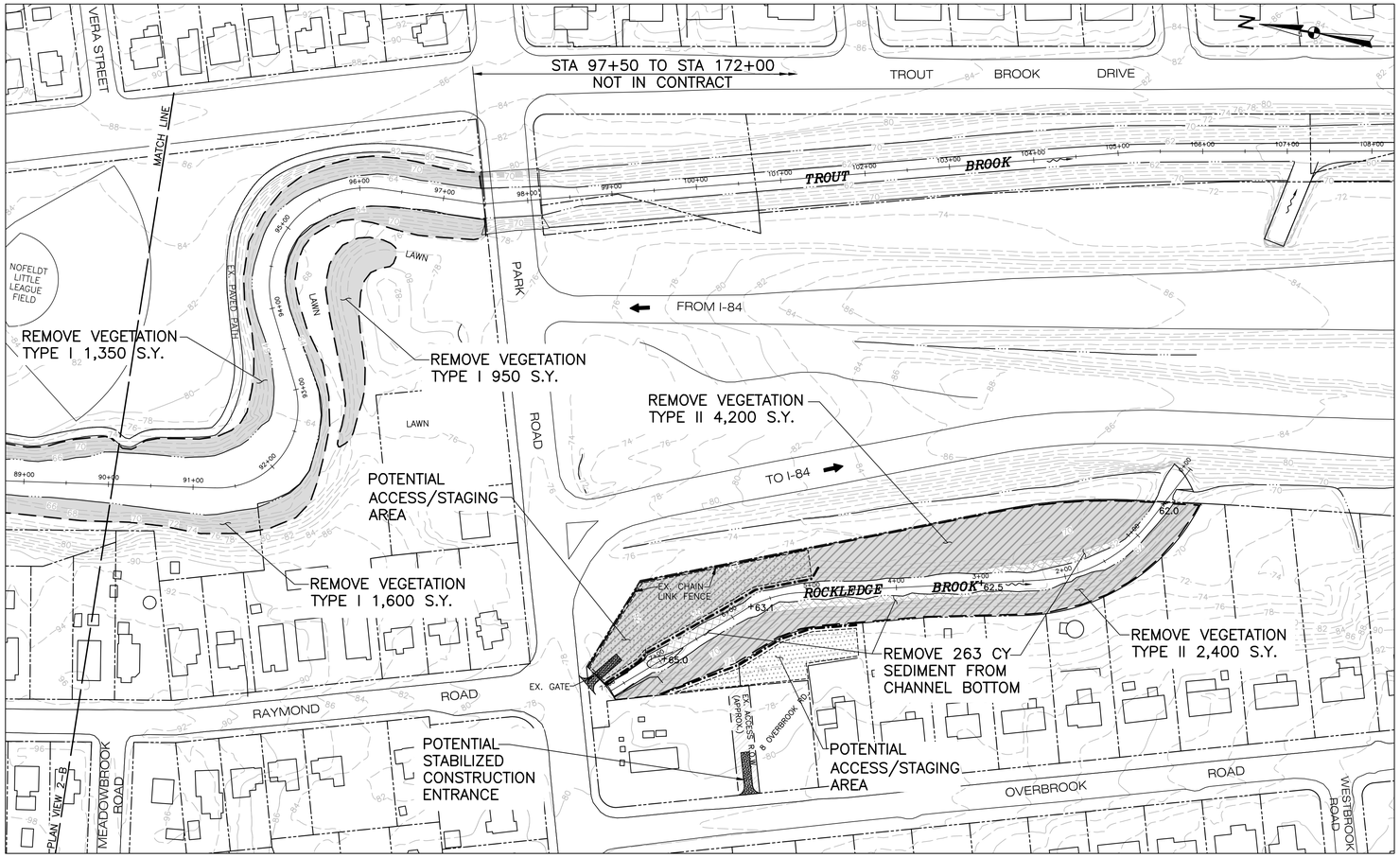
TROUT BROOK STA. 46+65 - STA. 90+00

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

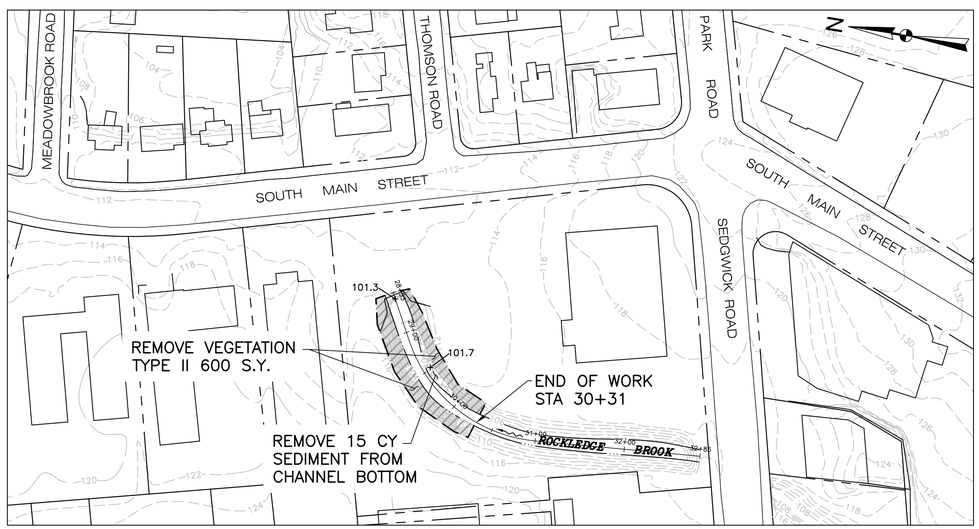
PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION C.T.(D.E.E.P.)
79 ELM STREET
HARTFORD, CT

PROJ MGR: NYA	REVIEWED BY: NYA	CHECKED BY: TEJ	DRAWING 2
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	
DATE: JANUARY 2015	PROJECT NO. 15.0166354.01	REVISION NO.	

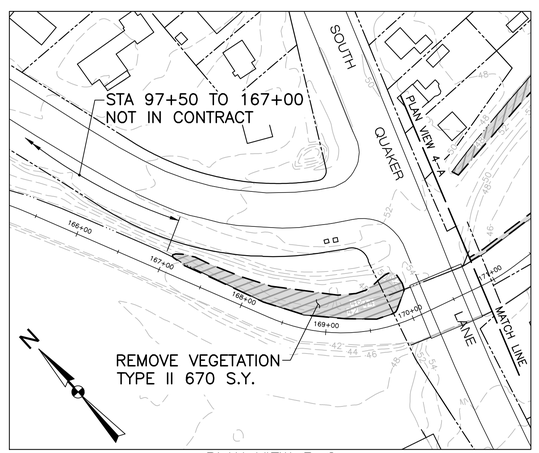
©2013- GZA GeoEnvironmental, Inc. GZA-JVD 166300 - 0 166399\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA BASE-PARK RIVER.dwg [Sht 2]



PLAN VIEW 3-A



PLAN VIEW 3-B



PLAN VIEW 3-C

GENERAL NOTES:

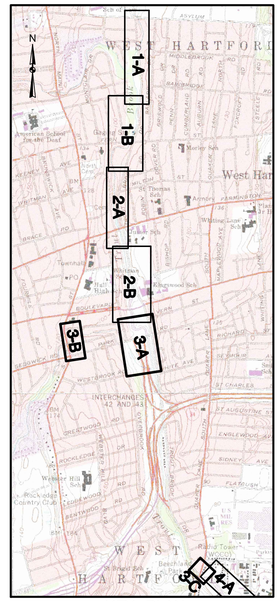
1. PLANIMETRIC INFORMATION PROVIDED BY METROPOLITAN DISTRICT COMMISSION AND STATE OF CONNECTICUT GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES. VERTICAL DATUM IS NAVD 1988; HORIZONTAL DATUM IS NAD 1988.
2. FLOOD CONTROL SYSTEM LAYOUTS, RIGHTS-OF-WAY, EASEMENTS, AND OTHER FEATURES ARE APPROXIMATED FROM "RECORD DRAWINGS" PROVIDED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP).
3. PROJECT CENTERLINE ALIGNMENTS AND STATIONING ARE ASSUMED AND MAY NOT MATCH THOSE OF THE ORIGINAL DESIGN OR PREVIOUS MAINTENANCE PROJECTS.
4. PLANS ARE APPROXIMATE ONLY AND DO NOT PURPORT TO INDICATE ALL FEATURES, STRUCTURES, ABOVE GROUND OR UNDERGROUND UTILITIES, PROPERTY LINES, EASEMENTS, OR ANY OTHER INFORMATION RELEVANT TO PERFORMING THE REQUIRED WORK.

VEGETATION REMOVAL NOTES:

1. VEGETATION REMOVAL ESTIMATED QUANTITIES: THE ESTIMATED SQUARE YARDAGE OF VEGETATION REMOVAL AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND EXTEND TO THE BOUNDARIES OF THE SHADED AREAS. WHERE THE SHADED AREAS CONTINUE ACROSS MATCH LINES, THE SQUARE YARDAGE VALUES DO NOT INCLUDE ANY OF THE AREA BEYOND THE MATCH LINE.
2. WORK AREA FIELD REVIEW: LOCATION AND AREAL EXTENT OF VEGETATION REMOVAL AREAS ARE APPROXIMATE ONLY. CTDEEP WILL FIELD REVIEW AND CONFIRM TYPE I AND TYPE II AREAS AND INDIVIDUAL TREE REMOVALS PRIOR TO CUTTING. CTDEEP MAY ADJUST LIMITS OR TYPE CLASSIFICATION DURING FIELD REVIEW BASED ON OBSERVATIONS, AND CTDEEP OPINION IS FINAL.
3. VEGETATION REMOVAL TYPE I: CUTTING AND CHIPPING OF GRASS, HERBACEOUS PLANTS, AND WOODY-STEMMED VEGETATION UP TO TWO INCHES IN DIAMETER AT BREAST HEIGHT (DBH) TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. CONTRACTOR SHALL REPORT ANY TREE LARGER THAN TWO INCHES DBH TO CTDEEP PRIOR TO CUTTING TO BE PAID FOR AS INDIVIDUAL TREE REMOVAL (SIZE). CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE I AREAS.
4. VEGETATION REMOVAL TYPE II: CUTTING AND CHIPPING OF ALL TREES, BRUSH, HERBACEOUS PLANTS, AND GRASS TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. NO TREES WITHIN TYPE II AREAS WILL BE PAID FOR AS INDIVIDUAL TREE REMOVAL, REGARDLESS OF SIZE. CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE II AREAS.
5. INDIVIDUAL TREE REMOVAL:
   A. SIZE A: >2" DIAMETER AT GRADE TO <12" DIAMETER DBH.
   B. SIZE B: 12" DBH OR GREATER.
6. CONTRACTOR MAY, AT HIS/HER CHOOSING, REMOVE AND DISPOSE OF CUT VEGETATION OFF-SITE AT NO ADDITIONAL COST TO CTDEEP. ALL CUT VEGETATION SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON-SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATION NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON-SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF-SITE.

VEGETATIVE DEBRIS & TRASH REMOVAL NOTES:

1. VEGETATIVE DEBRIS: COLLECT ALL VEGETATIVE DEBRIS INCLUDING FALLEN TREES, LIMBS, AND STICKS FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND CHIP ON-SITE. ALL VEGETATIVE DEBRIS SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON-SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATIVE DEBRIS NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON-SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF-SITE.
2. TRASH: REMOVE ALL TRASH (RUBBISH, TIRES, SHOPPING CARTS, VEHICLES, ETC.) FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND DISPOSE OFF-SITE.



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

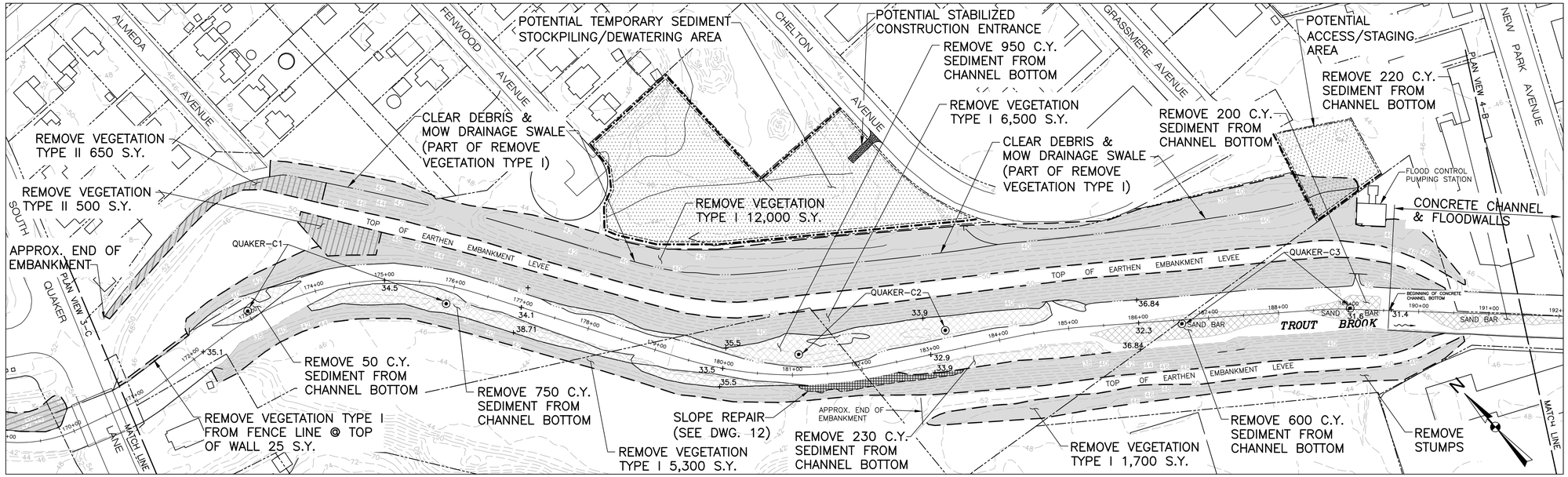
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

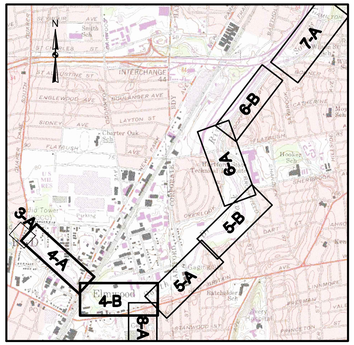
TROUT BROOK STA. 90+00 - STA. 97+50
AND STA. 167+00 - STA. 170+00;
ROCKLEDGE BROOK STA. 0+00 - STA. 7+68
AND STA. 28+53 - STA. 30+31

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (C.T.D.E.E.P.) 79 ELM STREET HARTFORD, CT	
PROJ MGR: NYA	REVIEWED BY: NYA	CHECKED BY: TEJ	DRAWING 3
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	
DATE: JANUARY 2015	PROJECT NO. 15.0166354.01	REVISION NO.	

©2013 - GZA GeoEnvironmental, Inc. GZA-\\Vt 166300 - 0 166359\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA BASE-PARK RIVER.dwg [Set 3]



PLAN VIEW 4–A



KEY PLAN
1"=2000'

GENERAL NOTES:

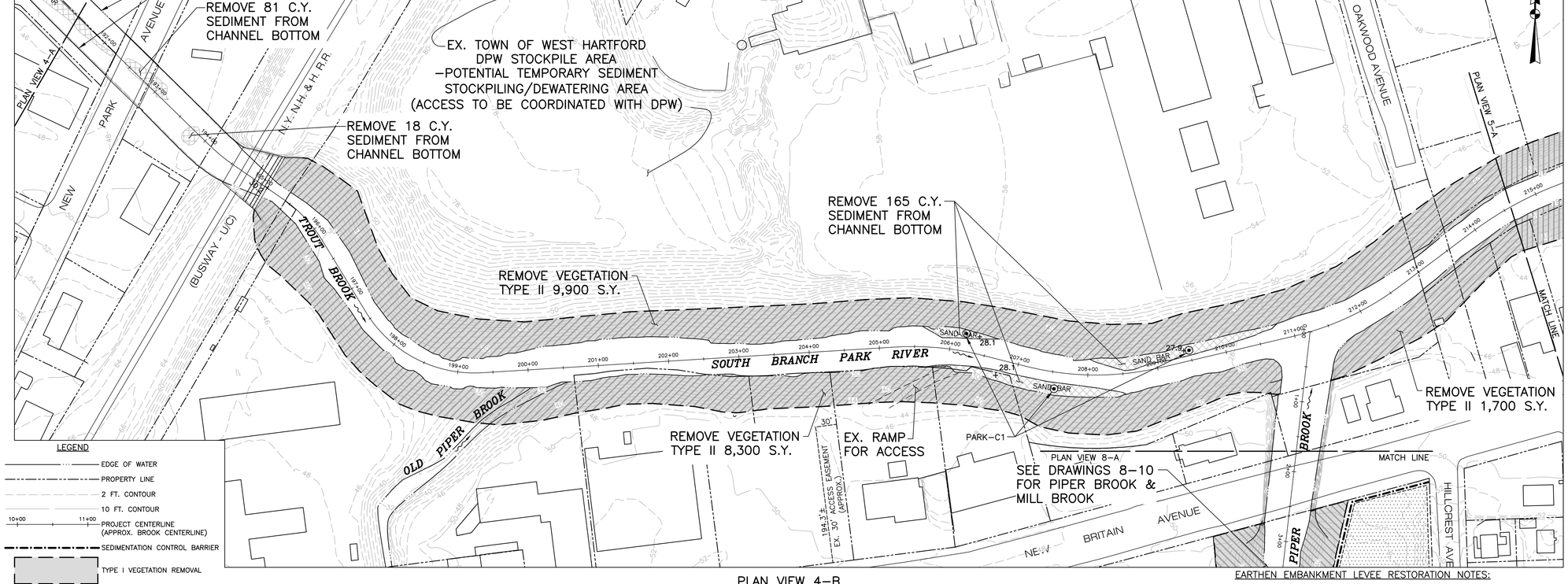
1. PLANIMETRIC INFORMATION PROVIDED BY METROPOLITAN DISTRICT COMMISSION AND STATE OF CONNECTICUT GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES. VERTICAL DATUM IS NAVD 1988; HORIZONTAL DATUM IS NAD 1988.
2. FLOOD CONTROL SYSTEM LAYOUTS, RIGHTS–OF–WAY, EASEMENTS, AND OTHER FEATURES ARE APPROXIMATED FROM "RECORD DRAWINGS" PROVIDED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP).
3. PROJECT CENTERLINE ALIGNMENTS AND STATIONING ARE ASSUMED AND MAY NOT MATCH THOSE OF THE ORIGINAL DESIGN OR PREVIOUS MAINTENANCE PROJECTS.
4. PLANS ARE APPROXIMATE ONLY AND DO NOT PURPORT TO INDICATE ALL FEATURES, STRUCTURES, ABOVE GROUND OR UNDERGROUND UTILITIES, PROPERTY LINES, EASEMENTS, OR ANY OTHER INFORMATION RELEVANT TO PERFORMING THE REQUIRED WORK.

VEGETATION REMOVAL NOTES:

1. VEGETATION REMOVAL ESTIMATED QUANTITIES: THE ESTIMATED SQUARE YARDAGE OF VEGETATION REMOVAL AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND EXTEND TO THE BOUNDARIES OF THE SHADED AREAS. WHERE THE SHADED AREAS CONTINUE ACROSS MATCH LINES, THE SQUARE YARDAGE VALUES DO NOT INCLUDE ANY OF THE AREA BEYOND THE MATCH LINE.
2. WORK AREA FIELD REVIEW: LOCATION AND AREAL EXTENT OF VEGETATION REMOVAL AREAS ARE APPROXIMATE ONLY. CTDEEP WILL FIELD REVIEW AND CONFIRM TYPE I AND TYPE II AREAS AND INDIVIDUAL TREE REMOVALS PRIOR TO CUTTING. CTDEEP MAY ADJUST LIMITS OR TYPE CLASSIFICATION DURING FIELD REVIEW BASED ON OBSERVATIONS, AND CTDEEP OPINION IS FINAL.
3. VEGETATION REMOVAL TYPE I: CUTTING AND CHIPPING OF GRASS, HERBACEOUS PLANTS, AND WOODY–STEMMED VEGETATION UP TO TWO INCHES IN DIAMETER AT BREAST HEIGHT (DBH) TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. CONTRACTOR SHALL REPORT ANY TREE LARGER THAN TWO INCHES DBH TO CTDEEP PRIOR TO CUTTING TO BE PAID FOR AS INDIVIDUAL TREE REMOVAL (SIZE). CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE I AREAS.
4. VEGETATION REMOVAL TYPE II: CUTTING AND CHIPPING OF ALL TREES, BRUSH, HERBACEOUS PLANTS, AND GRASS TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. NO TREES WITHIN TYPE II AREAS WILL BE PAID FOR AS INDIVIDUAL TREE REMOVAL, REGARDLESS OF SIZE. CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE II AREAS.
5. INDIVIDUAL TREE REMOVAL:
   A. SIZE A: >2" DIAMETER AT GRADE TO <12" DIAMETER DBH.
   B. SIZE B: 12" DBH OR GREATER.
6. CONTRACTOR MAY, AT HIS/HER CHOOSING, REMOVE AND DISPOSE OF CUT VEGETATION OFF–SITE AT NO ADDITIONAL COST TO CTDEEP. ALL CUT VEGETATION SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATION NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.

VEGETATIVE DEBRIS & TRASH REMOVAL NOTES:

1. VEGETATIVE DEBRIS: COLLECT ALL VEGETATIVE DEBRIS INCLUDING FALLEN TREES, LIMBS, AND STICKS FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND CHIP ON–SITE. ALL VEGETATIVE DEBRIS SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATIVE DEBRIS NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.
2. TRASH: REMOVE ALL TRASH (RUBBISH, TIRES, SHOPPING CARTS, VEHICLES, ETC.) FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND DISPOSE OFF–SITE.



PLAN VIEW 4–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
- 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 ELIMINATION.
6. PLACE TOPSOIL BORROW, SEED, AND MULCH AS NEEDED AND ESTABLISH UNIFORM TURF SURFACES OVER AREAS DELINEATED BY THE ENGINEER.

GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

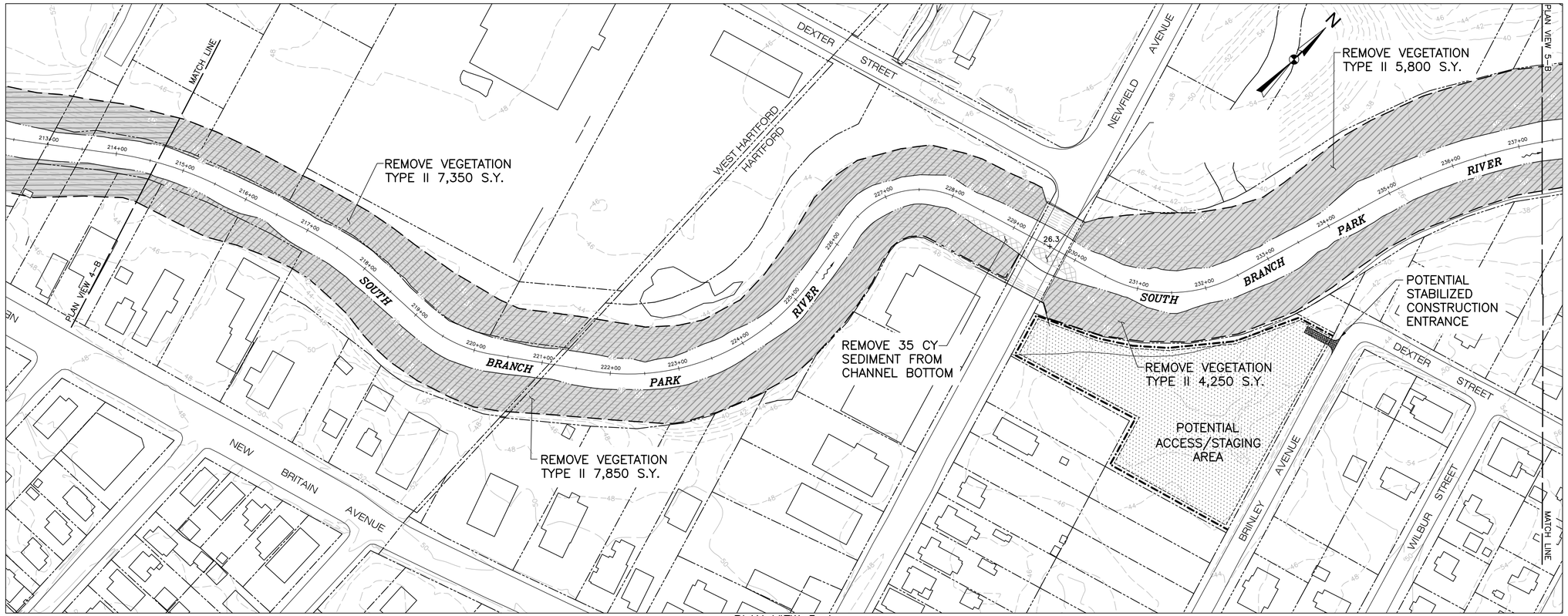
TROUT BROOK STA. 172+00 - STA. 200+50;
SOUTH BRANCH PARK RIVER STA. 200+50 - STA. 214+50

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

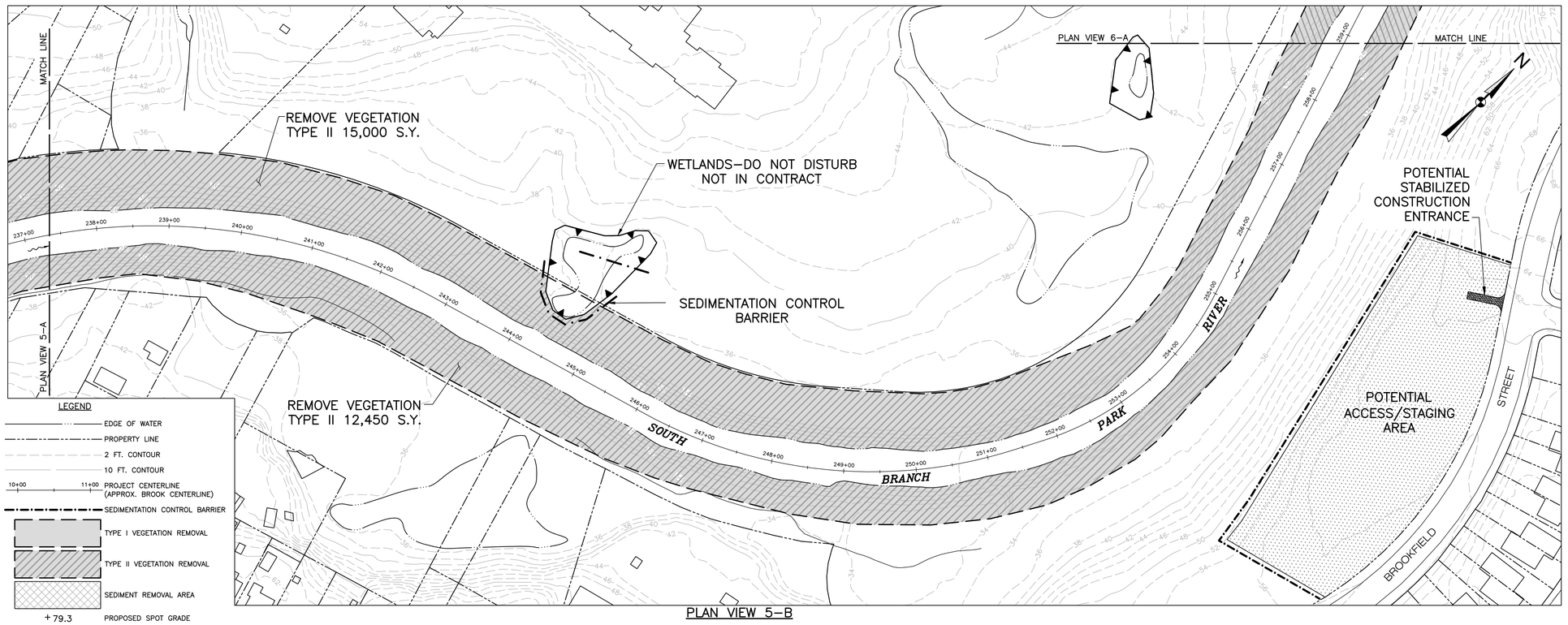
PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (C.T.D.E.E.P.)
79 ELM STREET
HARTFORD, CT

PROJ MGR: NYA	REVIEWED BY: NYA	CHECKED BY: TEJ	DRAWING 4
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	
DATE: JANUARY 2015	PROJECT NO. 15.0166354.01	REVISION NO.	

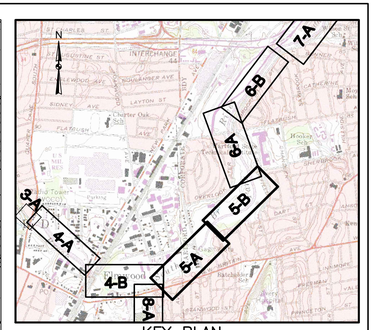
©2013– GZA GeoEnvironmental, Inc. G:\Projects\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA BASE-PARK RIVER.dwg [Set 4]



PLAN VIEW 5–A



PLAN VIEW 5–B



KEY PLAN
1"=2000'

GENERAL NOTES:

1. PLANIMETRIC INFORMATION PROVIDED BY METROPOLITAN DISTRICT COMMISSION AND STATE OF CONNECTICUT GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES. VERTICAL DATUM IS NAVD 1988; HORIZONTAL DATUM IS NAD 1988.
2. FLOOD CONTROL SYSTEM LAYOUTS, RIGHTS–OF–WAY, EASEMENTS, AND OTHER FEATURES ARE APPROXIMATED FROM "RECORD DRAWINGS" PROVIDED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP).
3. PROJECT CENTERLINE ALIGNMENTS AND STATIONING ARE ASSUMED AND MAY NOT MATCH THOSE OF THE ORIGINAL DESIGN OR PREVIOUS MAINTENANCE PROJECTS.
4. PLANS ARE APPROXIMATE ONLY AND DO NOT PURPORT TO INDICATE ALL FEATURES, STRUCTURES, ABOVE GROUND OR UNDERGROUND UTILITIES, PROPERTY LINES, EASEMENTS, OR ANY OTHER INFORMATION RELEVANT TO PERFORMING THE REQUIRED WORK.

VEGETATION REMOVAL NOTES:

1. VEGETATION REMOVAL ESTIMATED QUANTITIES: THE ESTIMATED SQUARE YARDAGE OF VEGETATION REMOVAL AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND EXTEND TO THE BOUNDARIES OF THE SHADED AREAS. WHERE THE SHADED AREAS CONTINUE ACROSS MATCH LINES, THE SQUARE YARDAGE VALUES DO NOT INCLUDE ANY OF THE AREA BEYOND THE MATCH LINE.
2. WORK AREA FIELD REVIEW: LOCATION AND AREAL EXTENT OF VEGETATION REMOVAL AREAS ARE APPROXIMATE ONLY. CTDEEP WILL FIELD REVIEW AND CONFIRM TYPE I AND TYPE II AREAS AND INDIVIDUAL TREE REMOVALS PRIOR TO CUTTING. CTDEEP MAY ADJUST LIMITS OR TYPE CLASSIFICATION DURING FIELD REVIEW BASED ON OBSERVATIONS, AND CTDEEP OPINION IS FINAL.
3. VEGETATION REMOVAL TYPE I: CUTTING AND CHIPPING OF GRASS, HERBACEOUS PLANTS, AND WOODY–STEMMED VEGETATION UP TO TWO INCHES IN DIAMETER AT BREAST HEIGHT (DBH) TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. CONTRACTOR SHALL REPORT ANY TREE LARGER THAN TWO INCHES DBH TO CTDEEP PRIOR TO CUTTING TO BE PAID FOR AS INDIVIDUAL TREE REMOVAL (SIZE). CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE I AREAS.
4. VEGETATION REMOVAL TYPE II: CUTTING AND CHIPPING OF ALL TREES, BRUSH, HERBACEOUS PLANTS, AND GRASS TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. NO TREES WITHIN TYPE II AREAS WILL BE PAID FOR AS INDIVIDUAL TREE REMOVAL, REGARDLESS OF SIZE. CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE II AREAS.
5. INDIVIDUAL TREE REMOVAL:
   A. SIZE A: >2" DIAMETER AT GRADE TO <12" DIAMETER DBH.
   B. SIZE B: 12" DBH OR GREATER.
6. CONTRACTOR MAY, AT HIS/HER CHOOSING, REMOVE AND DISPOSE OF CUT VEGETATION OFF–SITE AT NO ADDITIONAL COST TO CTDEEP. ALL CUT VEGETATION SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATION NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.

VEGETATIVE DEBRIS & TRASH REMOVAL NOTES:

1. VEGETATIVE DEBRIS: COLLECT ALL VEGETATIVE DEBRIS INCLUDING FALLEN TREES, LIMBS, AND STICKS FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND CHIP ON–SITE. ALL VEGETATIVE DEBRIS SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATIVE DEBRIS NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.
2. TRASH: REMOVE ALL TRASH (RUBBISH, TIRES, SHOPPING CARTS, VEHICLES, ETC.) FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND DISPOSE OF–SITE.

GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

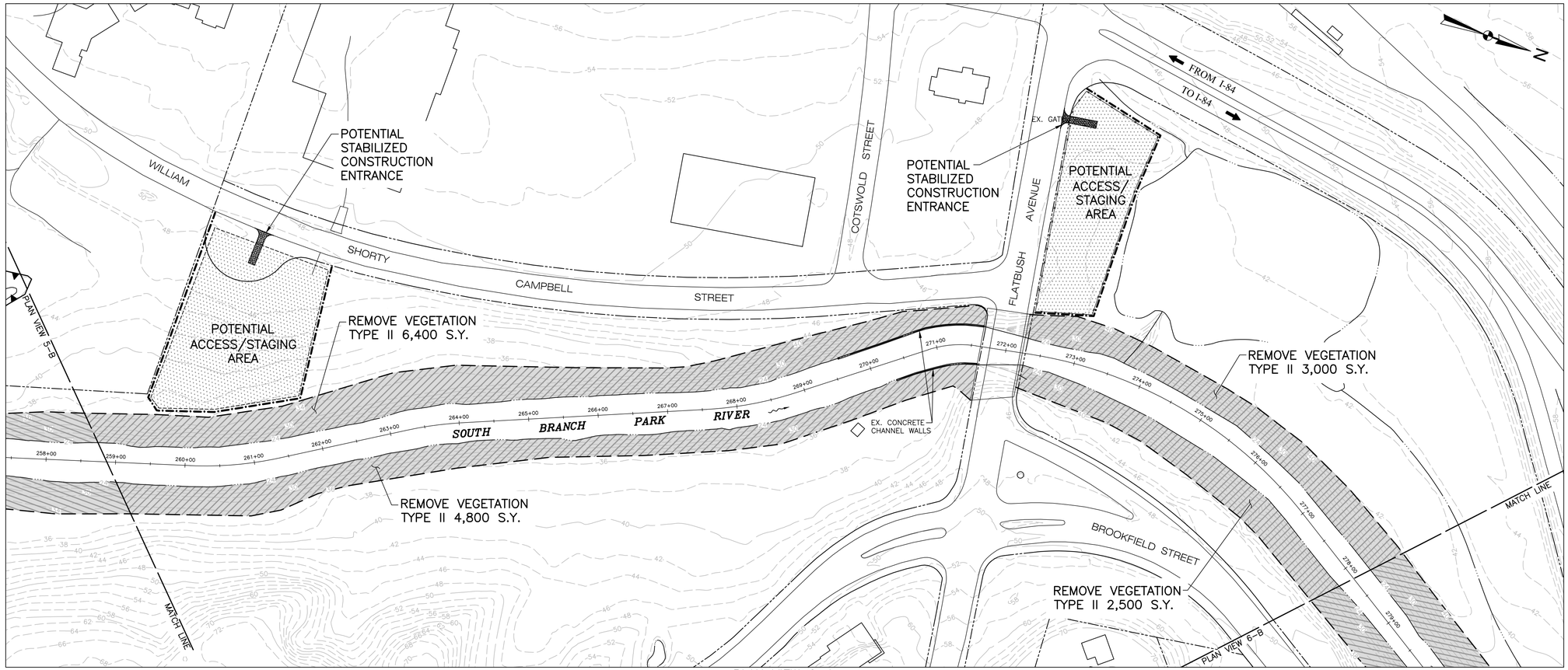
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

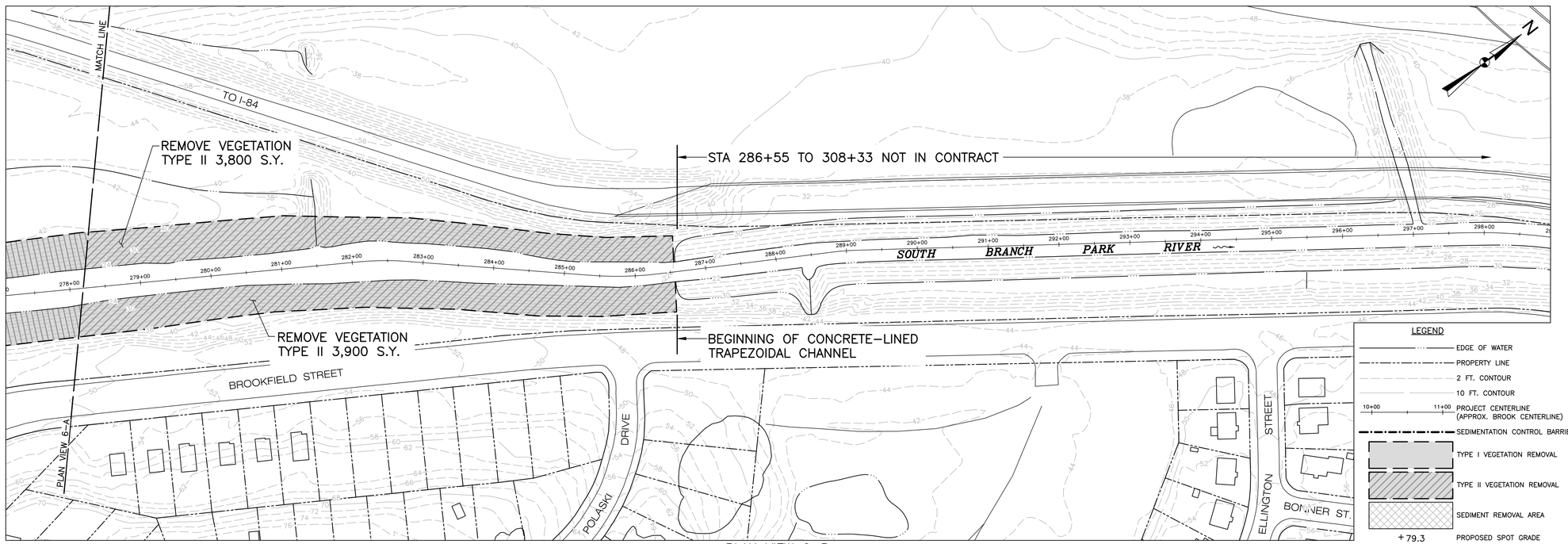
SOUTH BRANCH PARK RIVER STA. 214+50 - STA. 258+50

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		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 5
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	
DATE: JANUARY 2015	PROJECT NO. 15.0166354.01	REVISION NO.	

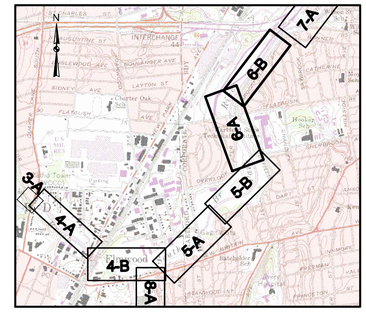
©2013– GZA GeoEnvironmental, Inc. G:\ZA-A\0 166300 - 0 166399\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA BASE-PARK RVER.dwg [SHT 5]



PLAN VIEW 6-A



PLAN VIEW 6-B



KEY PLAN
1"=2000'

GENERAL NOTES:

1. PLANIMETRIC INFORMATION PROVIDED BY METROPOLITAN DISTRICT COMMISSION AND STATE OF CONNECTICUT GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES. VERTICAL DATUM IS NAVD 1988; HORIZONTAL DATUM IS NAD 1988.
2. FLOOD CONTROL SYSTEM LAYOUTS, RIGHTS-OF-WAY, EASEMENTS, AND OTHER FEATURES ARE APPROXIMATED FROM "RECORD DRAWINGS" PROVIDED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP).
3. PROJECT CENTERLINE ALIGNMENTS AND STATIONING ARE ASSUMED AND MAY NOT MATCH THOSE OF THE ORIGINAL DESIGN OR PREVIOUS MAINTENANCE PROJECTS.
4. PLANS ARE APPROXIMATE ONLY AND DO NOT PURPORT TO INDICATE ALL FEATURES, STRUCTURES, ABOVE GROUND OR UNDERGROUND UTILITIES, PROPERTY LINES, EASEMENTS, OR ANY OTHER INFORMATION RELEVANT TO PERFORMING THE REQUIRED WORK.

VEGETATION REMOVAL NOTES:

1. VEGETATION REMOVAL ESTIMATED QUANTITIES: THE ESTIMATED SQUARE YARDAGE OF VEGETATION REMOVAL AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND EXTEND TO THE BOUNDARIES OF THE SHADED AREAS. WHERE THE SHADED AREAS CONTINUE ACROSS MATCH LINES, THE SQUARE YARDAGE VALUES DO NOT INCLUDE ANY OF THE AREA BEYOND THE MATCH LINE.
2. WORK AREA FIELD REVIEW: LOCATION AND AREAL EXTENT OF VEGETATION REMOVAL AREAS ARE APPROXIMATE ONLY. CTDEEP WILL FIELD REVIEW AND CONFIRM TYPE I AND TYPE II AREAS AND INDIVIDUAL TREE REMOVALS PRIOR TO CUTTING. CTDEEP MAY ADJUST LIMITS OR TYPE CLASSIFICATION DURING FIELD REVIEW BASED ON OBSERVATIONS, AND CTDEEP OPINION IS FINAL.
3. VEGETATION REMOVAL TYPE I: CUTTING AND CHIPPING OF GRASS, HERBACEOUS PLANTS, AND WOODY-STEMMED VEGETATION UP TO TWO INCHES IN DIAMETER AT BREAST HEIGHT (DBH) TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. CONTRACTOR SHALL REPORT ANY TREE LARGER THAN TWO INCHES DBH TO CTDEEP PRIOR TO CUTTING TO BE PAID FOR AS INDIVIDUAL TREE REMOVAL (SIZE). CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE I AREAS.
4. VEGETATION REMOVAL TYPE II: CUTTING AND CHIPPING OF ALL TREES, BRUSH, HERBACEOUS PLANTS, AND GRASS TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. NO TREES WITHIN TYPE II AREAS WILL BE PAID FOR AS INDIVIDUAL TREE REMOVAL, REGARDLESS OF SIZE. CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE II AREAS.
5. INDIVIDUAL TREE REMOVAL:
   A. SIZE A: >2" DIAMETER AT GRADE TO <12" DIAMETER DBH.
   B. SIZE B: 12" DBH OR GREATER.
6. CONTRACTOR MAY, AT HIS/HER CHOOSING, REMOVE AND DISPOSE OF CUT VEGETATION OFF-SITE AT NO ADDITIONAL COST TO CTDEEP. ALL CUT VEGETATION SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON-SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATION NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON-SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF-SITE.

VEGETATIVE DEBRIS & TRASH REMOVAL NOTES:

1. VEGETATIVE DEBRIS: COLLECT ALL VEGETATIVE DEBRIS INCLUDING FALLEN TREES, LIMBS, AND STICKS FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND CHIP ON-SITE. ALL VEGETATIVE DEBRIS SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON-SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATIVE DEBRIS NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON-SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF-SITE.
2. TRASH: REMOVE ALL TRASH (RUBBISH, TIRES, SHOPPING CARTS, VEHICLES, ETC.) FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND DISPOSE OFF-SITE.

GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

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

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

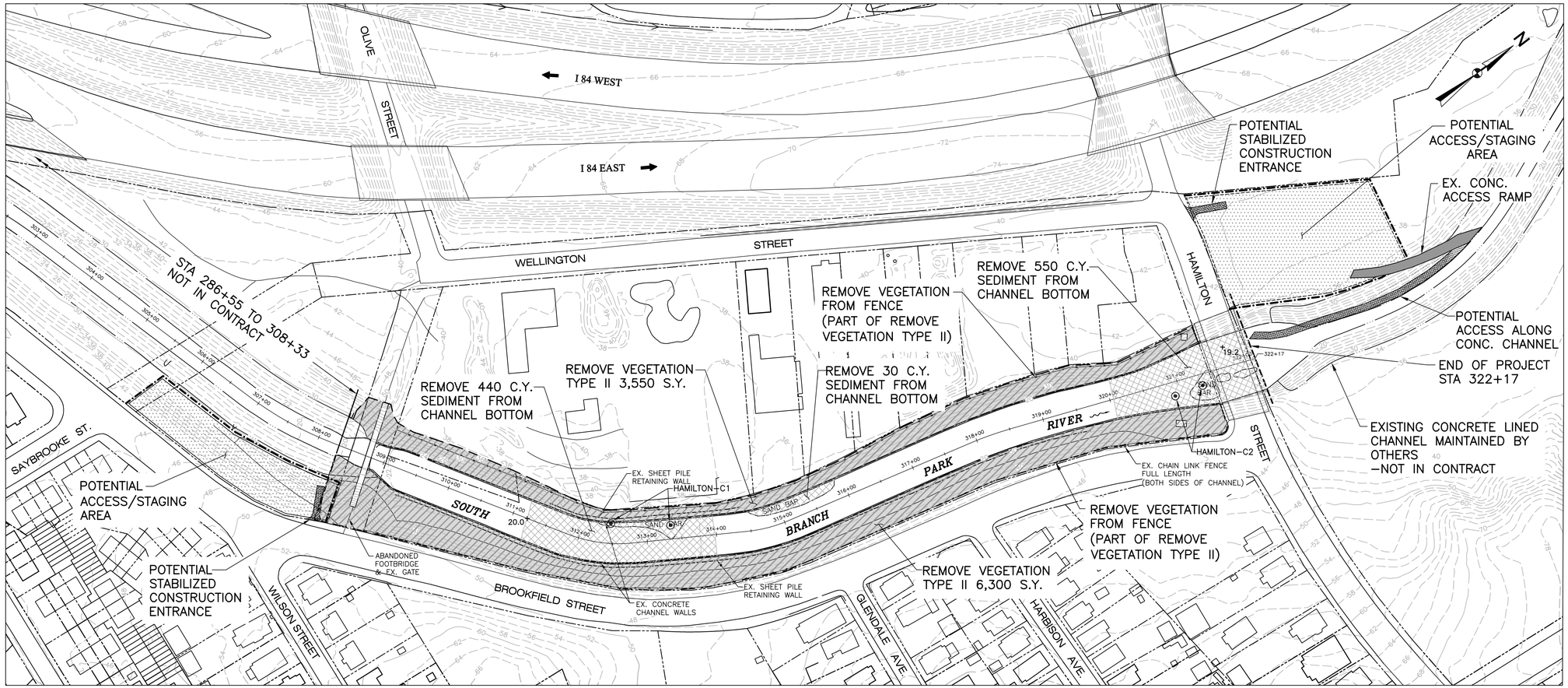
SOUTH BRANCH PARK RIVER STA. 258+50 - STA. 286+55

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

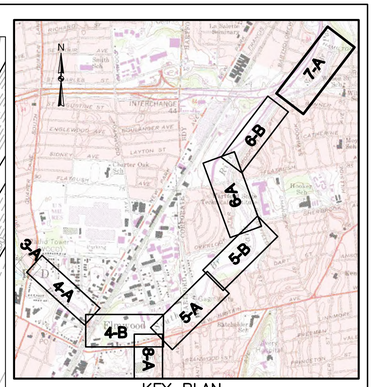
PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION C.T.(D.E.E.P.)
79 ELM STREET
HARTFORD, CT

PROJ MGR: NYA	REVIEWED BY: NYA	CHECKED BY: TEJ	DRAWING 6
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	
DATE: JANUARY 2015	PROJECT NO. 15.0166354.01	REVISION NO.	

©2013~ GZA GeoEnvironmental, Inc. GZA~JVD 166300 ~ 0 166399\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA BASE-PARK RIVER.dwg [Set 6]



PLAN VIEW 7–A



KEY PLAN
1"=2000'

GENERAL NOTES:

1. PLANIMETRIC INFORMATION PROVIDED BY METROPOLITAN DISTRICT COMMISSION AND STATE OF CONNECTICUT GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES. VERTICAL DATUM IS NAVD 1988; HORIZONTAL DATUM IS NAD 1988.
2. FLOOD CONTROL SYSTEM LAYOUTS, RIGHTS–OF–WAY, EASEMENTS, AND OTHER FEATURES ARE APPROXIMATED FROM "RECORD DRAWINGS" PROVIDED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP).
3. PROJECT CENTERLINE ALIGNMENTS AND STATIONING ARE ASSUMED AND MAY NOT MATCH THOSE OF THE ORIGINAL DESIGN OR PREVIOUS MAINTENANCE PROJECTS.
4. PLANS ARE APPROXIMATE ONLY AND DO NOT PURPORT TO INDICATE ALL FEATURES, STRUCTURES, ABOVE GROUND OR UNDERGROUND UTILITIES, PROPERTY LINES, EASEMENTS, OR ANY OTHER INFORMATION RELEVANT TO PERFORMING THE REQUIRED WORK.

VEGETATION REMOVAL NOTES:

1. VEGETATION REMOVAL ESTIMATED QUANTITIES: THE ESTIMATED SQUARE YARDAGE OF VEGETATION REMOVAL AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND EXTEND TO THE BOUNDARIES OF THE SHADED AREAS. WHERE THE SHADED AREAS CONTINUE ACROSS MATCH LINES, THE SQUARE YARDAGE VALUES DO NOT INCLUDE ANY OF THE AREA BEYOND THE MATCH LINE.
2. WORK AREA FIELD REVIEW: LOCATION AND AREAL EXTENT OF VEGETATION REMOVAL AREAS ARE APPROXIMATE ONLY. CTDEEP WILL FIELD REVIEW AND CONFIRM TYPE I AND TYPE II AREAS AND INDIVIDUAL TREE REMOVALS PRIOR TO CUTTING. CTDEEP MAY ADJUST LIMITS OR TYPE CLASSIFICATION DURING FIELD REVIEW BASED ON OBSERVATIONS, AND CTDEEP OPINION IS FINAL.
3. VEGETATION REMOVAL TYPE I: CUTTING AND CHIPPING OF GRASS, HERBACEOUS PLANTS, AND WOODY–STEMMED VEGETATION UP TO TWO INCHES IN DIAMETER AT BREAST HEIGHT (DBH) TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. CONTRACTOR SHALL REPORT ANY TREE LARGER THAN TWO INCHES DBH TO CTDEEP PRIOR TO CUTTING TO BE PAID FOR AS INDIVIDUAL TREE REMOVAL (SIZE). CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE I AREAS.
4. VEGETATION REMOVAL TYPE II: CUTTING AND CHIPPING OF ALL TREES, BRUSH, HERBACEOUS PLANTS, AND GRASS TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. NO TREES WITHIN TYPE II AREAS WILL BE PAID FOR AS INDIVIDUAL TREE REMOVAL, REGARDLESS OF SIZE. CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE II AREAS.
5. INDIVIDUAL TREE REMOVAL:
   A. SIZE A: >2" DIAMETER AT GRADE TO <12" DIAMETER DBH.
   B. SIZE B: 12" DBH OR GREATER.
6. CONTRACTOR MAY, AT HIS/HER CHOOSING, REMOVE AND DISPOSE OF CUT VEGETATION OFF–SITE AT NO ADDITIONAL COST TO CTDEEP. ALL CUT VEGETATION SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATION NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.

VEGETATIVE DEBRIS & TRASH REMOVAL NOTES:

1. VEGETATIVE DEBRIS: COLLECT ALL VEGETATIVE DEBRIS INCLUDING FALLEN TREES, LIMBS, AND STICKS FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND CHIP ON–SITE. ALL VEGETATIVE DEBRIS SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATIVE DEBRIS NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.
2. TRASH: REMOVE ALL TRASH (RUBBISH, TIRES, SHOPPING CARTS, VEHICLES, ETC.) FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND DISPOSE OFF–SITE.

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

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

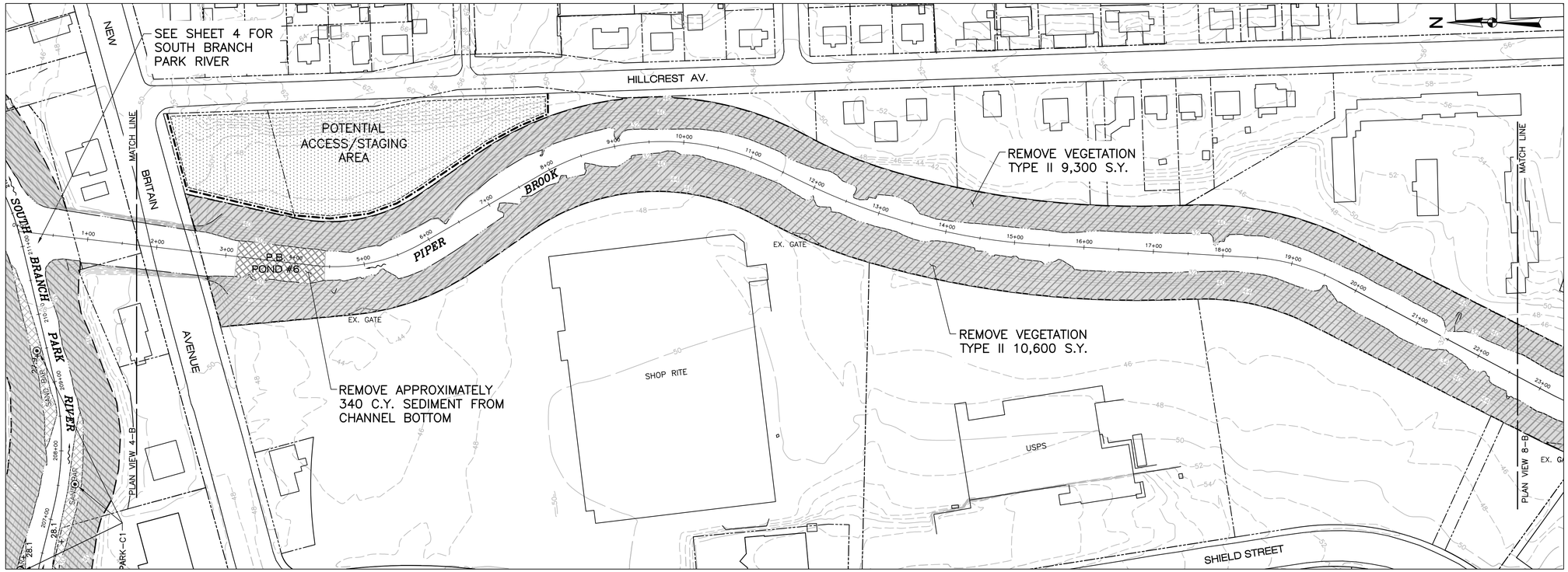
SOUTH BRANCH PARK RIVER STA. 308+33 - STA. 322+17
END OF PROJECT

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

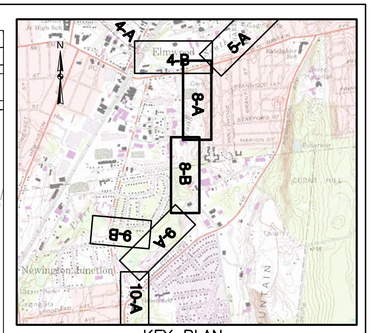
PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (C.T.D.E.E.P.)
79 ELM STREET
HARTFORD, CT

PROJ MGR: NYA	REVIEWED BY: NYA	CHECKED BY: TEJ	DRAWING 7
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	
DATE: JANUARY 2015	PROJECT NO. 15.0166354.01	REVISION NO. 1	

©2013– GZA GeoEnvironmental, Inc. G:\2–J\0 166300 – 0 166399\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA BASE–PARK RIVER.dwg [SHT 7]



PLAN VIEW 8–A



KEY PLAN
1"=2000'

GENERAL NOTES:

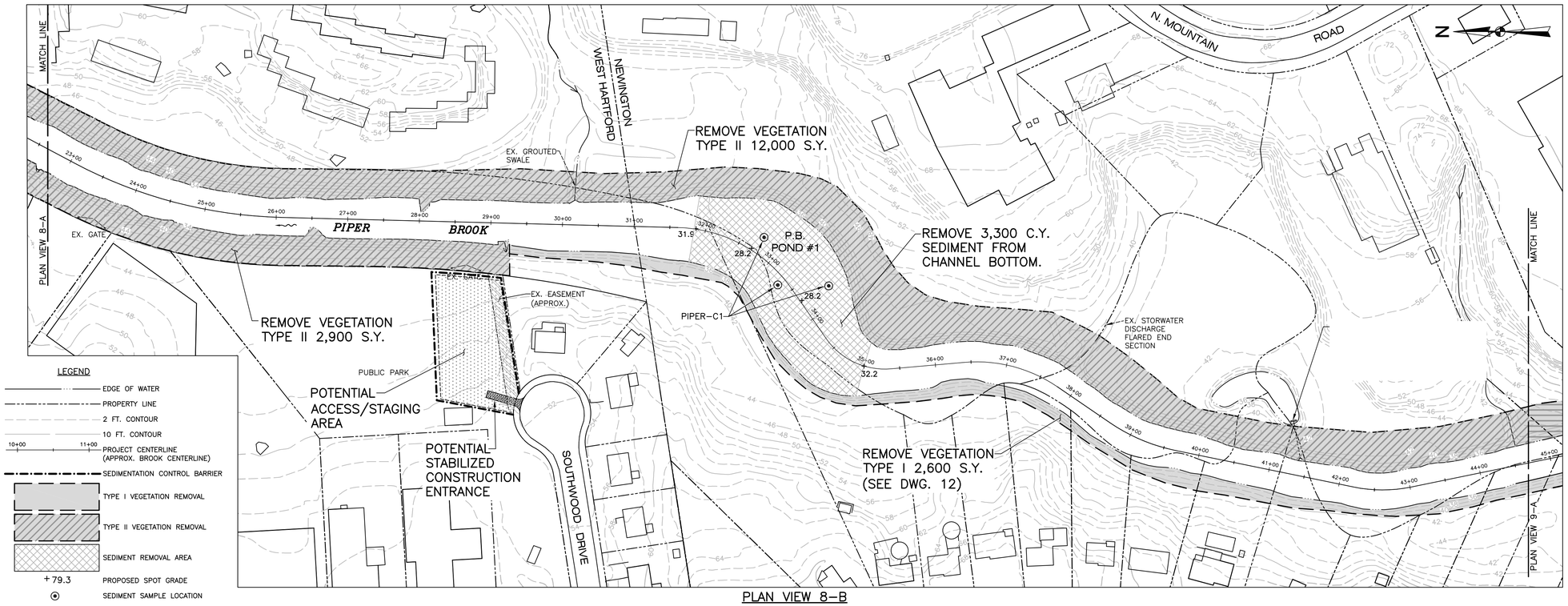
1. PLANIMETRIC INFORMATION PROVIDED BY METROPOLITAN DISTRICT COMMISSION AND STATE OF CONNECTICUT GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES. VERTICAL DATUM IS NAVD 1988; HORIZONTAL DATUM IS NAD 1988.
2. FLOOD CONTROL SYSTEM LAYOUTS, RIGHTS–OF–WAY, EASEMENTS, AND OTHER FEATURES ARE APPROXIMATED FROM "RECORD DRAWINGS" PROVIDED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP).
3. PROJECT CENTERLINE ALIGNMENTS AND STATIONING ARE ASSUMED AND MAY NOT MATCH THOSE OF THE ORIGINAL DESIGN OR PREVIOUS MAINTENANCE PROJECTS.
4. PLANS ARE APPROXIMATE ONLY AND DO NOT PURPORT TO INDICATE ALL FEATURES, STRUCTURES, ABOVE GROUND OR UNDERGROUND UTILITIES, PROPERTY LINES, EASEMENTS, OR ANY OTHER INFORMATION RELEVANT TO PERFORMING THE REQUIRED WORK.

VEGETATION REMOVAL NOTES:

1. VEGETATION REMOVAL ESTIMATED QUANTITIES: THE ESTIMATED SQUARE YARDAGE OF VEGETATION REMOVAL AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND EXTEND TO THE BOUNDARIES OF THE SHADED AREAS. WHERE THE SHADED AREAS CONTINUE ACROSS MATCH LINES, THE SQUARE YARDAGE VALUES DO NOT INCLUDE ANY OF THE AREA BEYOND THE MATCH LINE.
2. WORK AREA FIELD REVIEW: LOCATION AND AREAL EXTENT OF VEGETATION REMOVAL AREAS ARE APPROXIMATE ONLY. CTDEEP WILL FIELD REVIEW AND CONFIRM TYPE I AND TYPE II AREAS AND INDIVIDUAL TREE REMOVALS PRIOR TO CUTTING. CTDEEP MAY ADJUST LIMITS OR TYPE CLASSIFICATION DURING FIELD REVIEW BASED ON OBSERVATIONS, AND CTDEEP OPINION IS FINAL.
3. VEGETATION REMOVAL TYPE I: CUTTING AND CHIPPING OF GRASS, HERBACEOUS PLANTS, AND WOODY–STEMMED VEGETATION UP TO TWO INCHES IN DIAMETER AT BREAST HEIGHT (DBH) TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. CONTRACTOR SHALL REPORT ANY TREE LARGER THAN TWO INCHES DBH TO CTDEEP PRIOR TO CUTTING TO BE PAID FOR AS INDIVIDUAL TREE REMOVAL (SIZE). CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE I AREAS.
4. VEGETATION REMOVAL TYPE II: CUTTING AND CHIPPING OF ALL TREES, BRUSH, HERBACEOUS PLANTS, AND GRASS TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. NO TREES WITHIN TYPE II AREAS WILL BE PAID FOR AS INDIVIDUAL TREE REMOVAL REGARDLESS OF SIZE. CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE II AREAS.
5. INDIVIDUAL TREE REMOVAL:
   A. SIZE A: >2" DIAMETER AT GRADE TO <12" DIAMETER DBH.
   B. SIZE B: 12" DBH OR GREATER.
6. CONTRACTOR MAY, AT HIS/HER CHOOSING, REMOVE AND DISPOSE OF CUT VEGETATION OFF–SITE AT NO ADDITIONAL COST TO CTDEEP. ALL CUT VEGETATION SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATION NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.

VEGETATIVE DEBRIS & TRASH REMOVAL NOTES:

1. VEGETATIVE DEBRIS: COLLECT ALL VEGETATIVE DEBRIS INCLUDING FALLEN TREES, LIMBS, AND STICKS FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND CHIP ON–SITE. ALL VEGETATIVE DEBRIS SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATIVE DEBRIS NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.
2. TRASH: REMOVE ALL TRASH (RUBBISH, TIRES, SHOPPING CARTS, VEHICLES, ETC.) FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND DISPOSE OFF–SITE.



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
- TYPE II VEGETATION REMOVAL
- 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
1	GENERAL REVISIONS	EDM	7/27/15

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

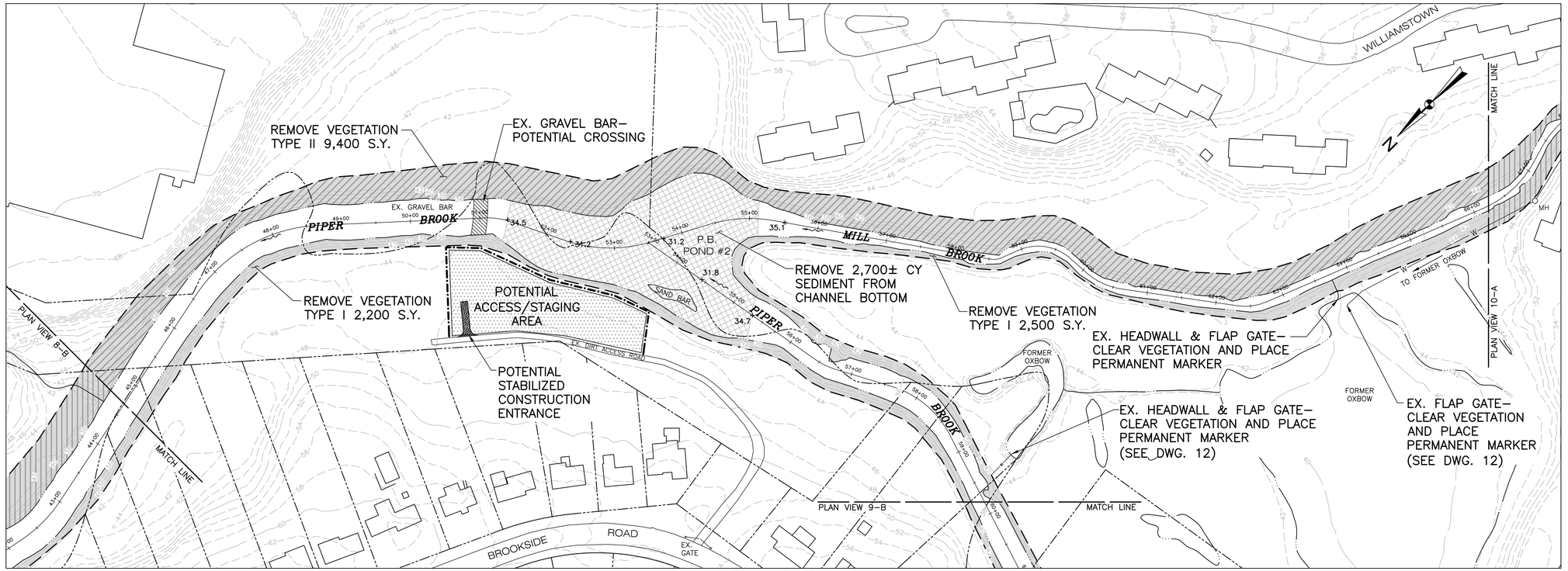
PIPER BROOK
STA. 0+00 - STA. 44+50

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

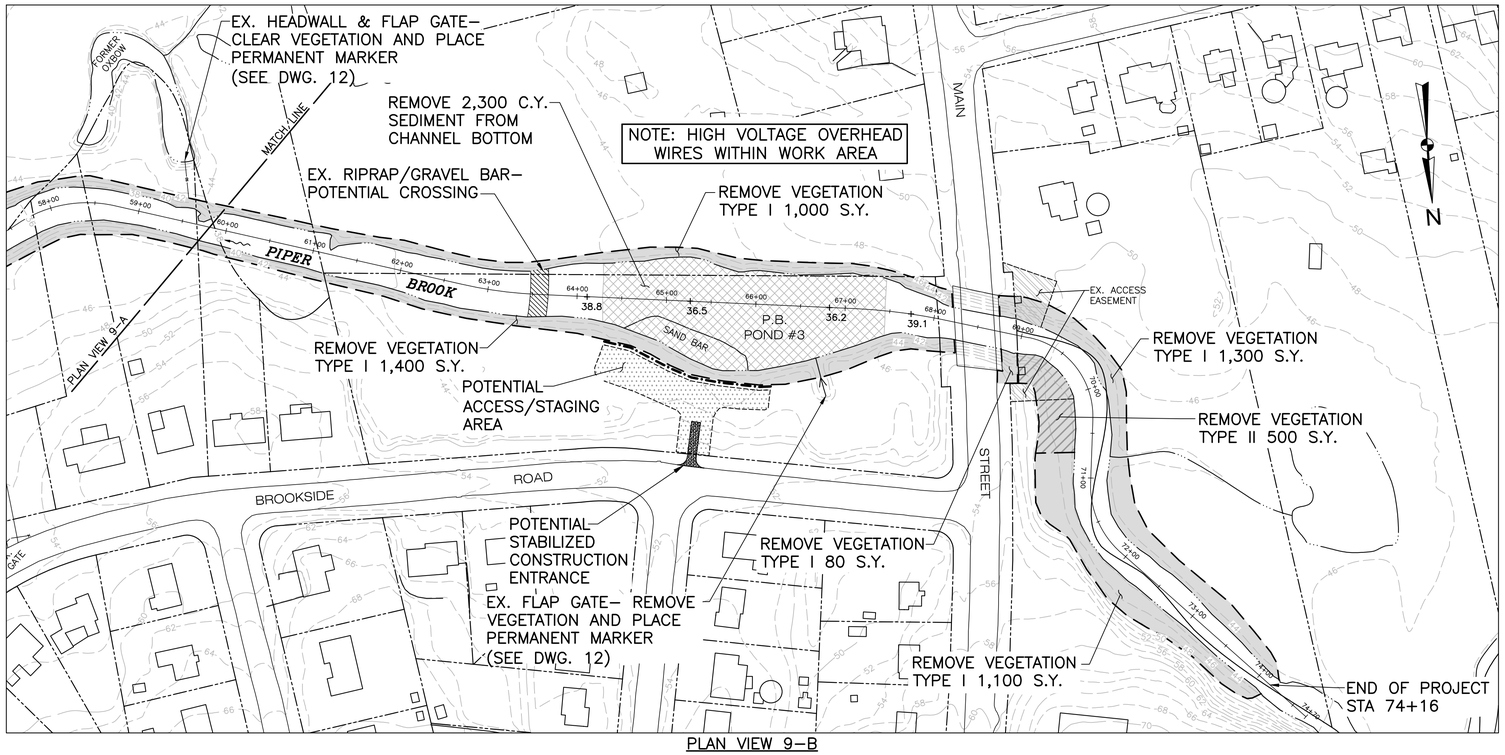
PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (C.T.D.E.E.P.)
79 ELM STREET
HARTFORD, CT

PROJ MGR: NYA	REVIEWED BY: NYA	CHECKED BY: TEJ	DRAWING 8
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	
DATE: JANUARY 2015	PROJECT NO. 15.0166354.01	REVISION NO. 1	

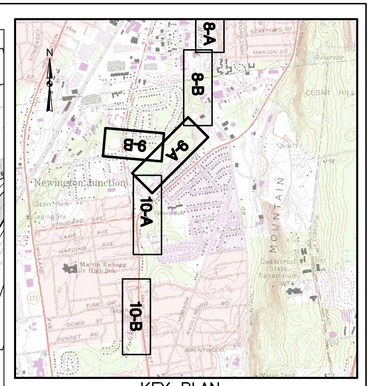
©2013– GZA GeoEnvironmental, Inc. G:\Projects\15.0166300 – 15.0166399\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA BASE–PARK RIVER.dwg [Set 8]



PLAN VIEW 9–A



PLAN VIEW 9–B



KEY PLAN
1"=2000'

GENERAL NOTES:

1. PLANIMETRIC INFORMATION PROVIDED BY METROPOLITAN DISTRICT COMMISSION AND STATE OF CONNECTICUT GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES. VERTICAL DATUM IS NAVD 1988; HORIZONTAL DATUM IS NAD 1988.
2. FLOOD CONTROL SYSTEM LAYOUTS, RIGHTS–OF–WAY, EASEMENTS, AND OTHER FEATURES ARE APPROXIMATED FROM "RECORD DRAWINGS" PROVIDED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP).
3. PROJECT CENTERLINE ALIGNMENTS AND STATIONING ARE ASSUMED AND MAY NOT MATCH THOSE OF THE ORIGINAL DESIGN OR PREVIOUS MAINTENANCE PROJECTS.
4. PLANS ARE APPROXIMATE ONLY AND DO NOT PURPORT TO INDICATE ALL FEATURES, STRUCTURES, ABOVE GROUND OR UNDERGROUND UTILITIES, PROPERTY LINES, EASEMENTS, OR ANY OTHER INFORMATION RELEVANT TO PERFORMING THE REQUIRED WORK.

VEGETATION REMOVAL NOTES:

1. VEGETATION REMOVAL ESTIMATED QUANTITIES: THE ESTIMATED SQUARE YARDAGE OF VEGETATION REMOVAL AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND EXTEND TO THE BOUNDARIES OF THE SHADED AREAS. WHERE THE SHADED AREAS CONTINUE ACROSS MATCH LINES, THE SQUARE YARDAGE VALUES DO NOT INCLUDE ANY OF THE AREA BEYOND THE MATCH LINE.
2. WORK AREA FIELD REVIEW: LOCATION AND AREAL EXTENT OF VEGETATION REMOVAL AREAS ARE APPROXIMATE ONLY. CTDEEP WILL FIELD REVIEW AND CONFIRM TYPE I AND TYPE II AREAS AND INDIVIDUAL TREE REMOVALS PRIOR TO CUTTING. CTDEEP MAY ADJUST LIMITS OR TYPE CLASSIFICATION DURING FIELD REVIEW BASED ON OBSERVATIONS, AND CTDEEP OPINION IS FINAL.
3. VEGETATION REMOVAL TYPE I: CUTTING AND CHIPPING OF GRASS, HERBACEOUS PLANTS, AND WOODY–STEMMED VEGETATION UP TO TWO INCHES IN DIAMETER AT BREAST HEIGHT (DBH) TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. CONTRACTOR SHALL REPORT ANY TREE LARGER THAN TWO INCHES DBH TO CTDEEP PRIOR TO CUTTING TO BE PAID FOR AS INDIVIDUAL TREE REMOVAL (SIZE). CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE I AREAS.
4. VEGETATION REMOVAL TYPE II: CUTTING AND CHIPPING OF ALL TREES, BRUSH, HERBACEOUS PLANTS, AND GRASS TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. NO TREES WITHIN TYPE II AREAS WILL BE PAID FOR AS INDIVIDUAL TREE REMOVAL, REGARDLESS OF SIZE. CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE II AREAS.
5. INDIVIDUAL TREE REMOVAL:
   A. SIZE A: >2" DIAMETER AT GRADE TO <12" DIAMETER DBH.
   B. SIZE B: 12" DBH OR GREATER.
6. CONTRACTOR MAY, AT HIS/HER CHOOSING, REMOVE AND DISPOSE OF CUT VEGETATION OFF–SITE AT NO ADDITIONAL COST TO CTDEEP. ALL CUT VEGETATION SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATION NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.

VEGETATIVE DEBRIS & TRASH REMOVAL NOTES:

1. VEGETATIVE DEBRIS: COLLECT ALL VEGETATIVE DEBRIS INCLUDING FALLEN TREES, LIMBS, AND STICKS FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND CHIP ON–SITE. ALL VEGETATIVE DEBRIS SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATIVE DEBRIS NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.
2. TRASH: REMOVE ALL TRASH (RUBBISH, TIRES, SHOPPING CARTS, VEHICLES, ETC.) FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND DISPOSE OFF–SITE.

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

GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

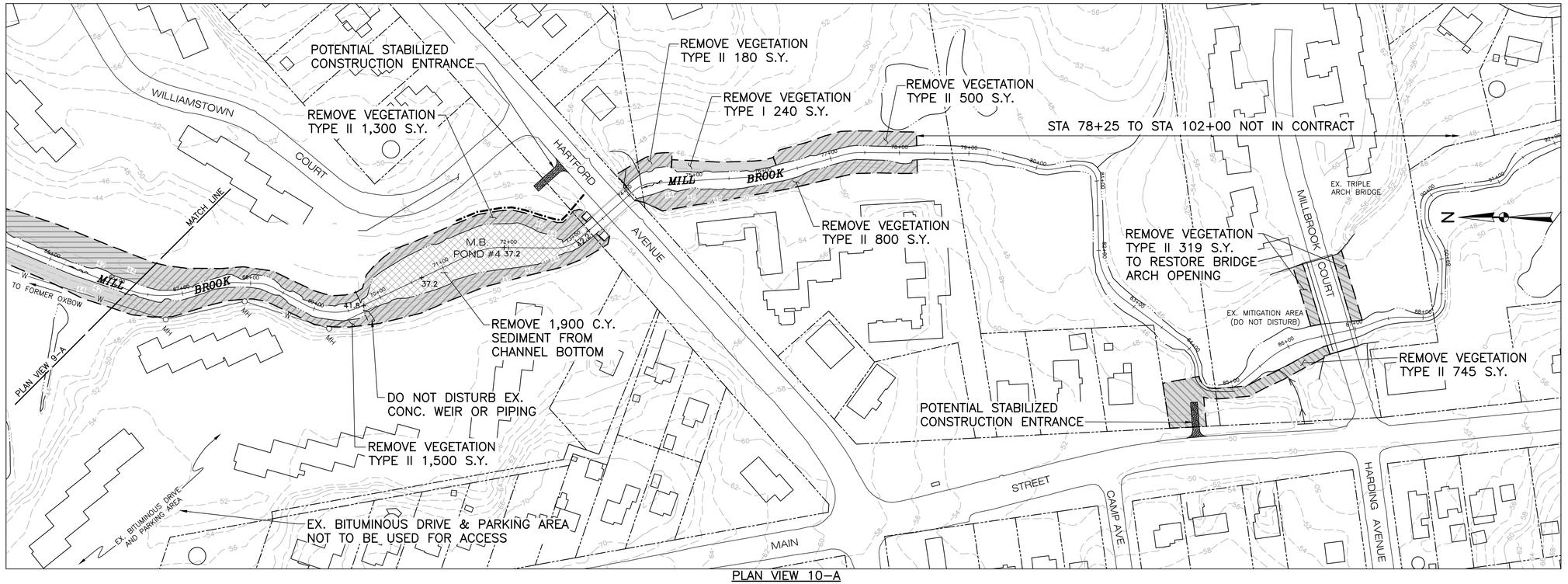
PIPER BROOK STA. 44+50 - STA. 74+20 END OF PROJECT;
MILL BROOK STA. 53+50 - STA. 66+00

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

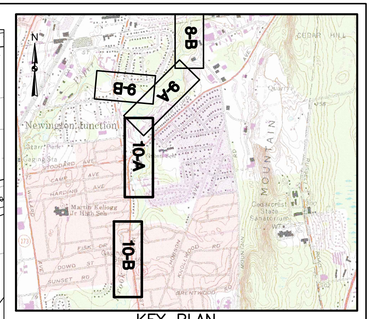
PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (C.T.D.E.E.P.)
79 ELM STREET
HARTFORD, CT

PROJ MGR: NYA	REVIEWED BY: NYA	CHECKED BY: TEJ	DRAWING 9
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	
DATE: JANUARY 2015	PROJECT NO. 15.0166354.01	REVISION NO.	

©2013– GZA GeoEnvironmental, Inc. GZA–JV0 166300 – 0 166399\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA BASE–PARK RIVER.dwg [Set 9]



PLAN VIEW 10–A



KEY PLAN
1"=2000'

GENERAL NOTES:

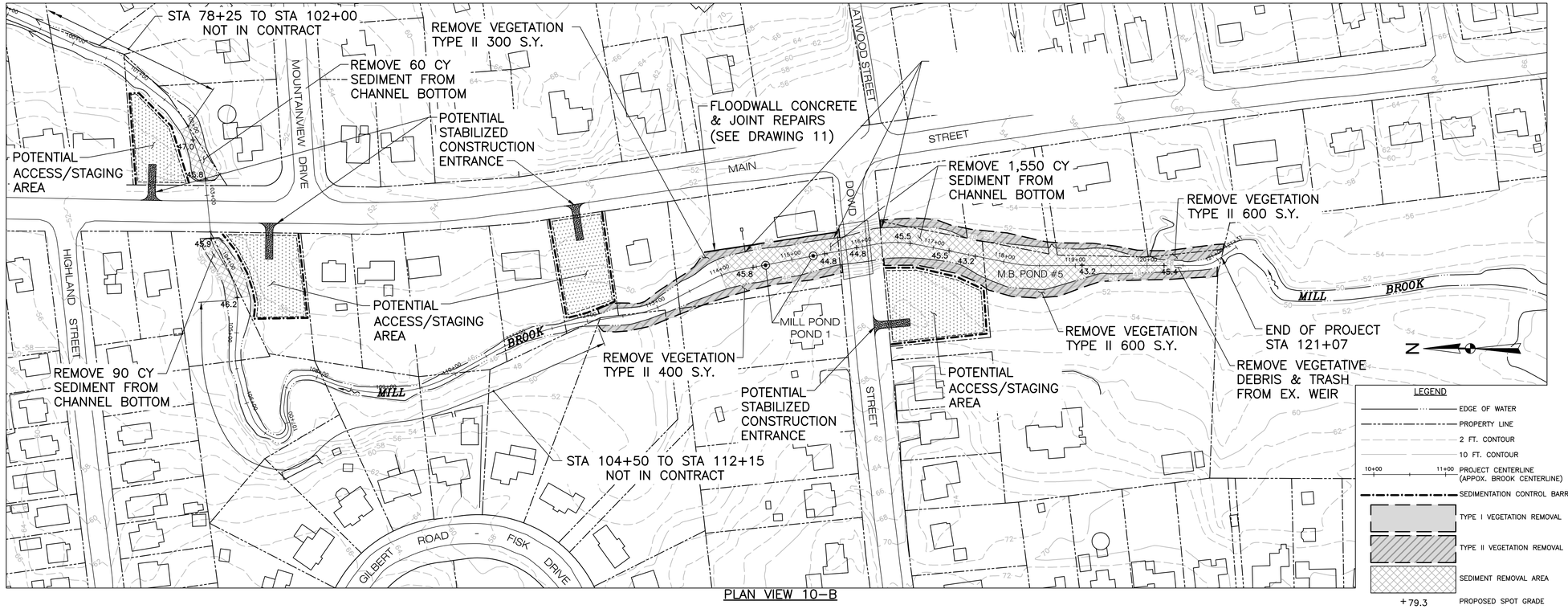
1. PLANIMETRIC INFORMATION PROVIDED BY METROPOLITAN DISTRICT COMMISSION AND STATE OF CONNECTICUT GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES. VERTICAL DATUM IS NAVD 1988; HORIZONTAL DATUM IS NAD 1988.
2. FLOOD CONTROL SYSTEM LAYOUTS, RIGHTS–OF–WAY, EASEMENTS, AND OTHER FEATURES ARE APPROXIMATED FROM "RECORD DRAWINGS" PROVIDED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP).
3. PROJECT CENTERLINE ALIGNMENTS AND STATIONING ARE ASSUMED AND MAY NOT MATCH THOSE OF THE ORIGINAL DESIGN OR PREVIOUS MAINTENANCE PROJECTS.
4. PLANS ARE APPROXIMATE ONLY AND DO NOT PURPORT TO INDICATE ALL FEATURES, STRUCTURES, ABOVE GROUND OR UNDERGROUND UTILITIES, PROPERTY LINES, EASEMENTS, OR ANY OTHER INFORMATION RELEVANT TO PERFORMING THE REQUIRED WORK.

VEGETATION REMOVAL NOTES:

1. VEGETATION REMOVAL ESTIMATED QUANTITIES: THE ESTIMATED SQUARE YARDAGE OF VEGETATION REMOVAL AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND EXTEND TO THE BOUNDARIES OF THE SHADED AREAS. WHERE THE SHADED AREAS CONTINUE ACROSS MATCH LINES, THE SQUARE YARDAGE VALUES DO NOT INCLUDE ANY OF THE AREA BEYOND THE MATCH LINE.
2. WORK AREA FIELD REVIEW: LOCATION AND AREAL EXTENT OF VEGETATION REMOVAL AREAS ARE APPROXIMATE ONLY. CTDEEP WILL FIELD REVIEW AND CONFIRM TYPE I AND TYPE II AREAS AND INDIVIDUAL TREE REMOVALS PRIOR TO CUTTING. CTDEEP MAY ADJUST LIMITS OR TYPE CLASSIFICATION DURING FIELD REVIEW BASED ON OBSERVATIONS, AND CTDEEP OPINION IS FINAL.
3. VEGETATION REMOVAL TYPE I: CUTTING AND CHIPPING OF GRASS, HERBACEOUS PLANTS, AND WOODY–STEMMED VEGETATION UP TO TWO INCHES IN DIAMETER AT BREAST HEIGHT (DBH) TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. CONTRACTOR SHALL REPORT ANY TREE LARGER THAN TWO INCHES DBH TO CTDEEP PRIOR TO CUTTING TO BE PAID FOR AS INDIVIDUAL TREE REMOVAL (SIZE). CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE I AREAS.
4. VEGETATION REMOVAL TYPE II: CUTTING AND CHIPPING OF ALL TREES, BRUSH, HERBACEOUS PLANTS, AND GRASS TO WITHIN TWO INCHES OF FINISHED GROUNDLINE. NO TREES WITHIN TYPE II AREAS WILL BE PAID FOR AS INDIVIDUAL TREE REMOVAL, REGARDLESS OF SIZE. CTDEEP MAY SELECT INDIVIDUAL TREES TO REMAIN WITHIN TYPE II AREAS.
5. INDIVIDUAL TREE REMOVAL:
   A. SIZE A: >2" DIAMETER AT GRADE TO <12" DIAMETER DBH.
   B. SIZE B: 12" DBH OR GREATER.
6. CONTRACTOR MAY, AT HIS/HER CHOOSING, REMOVE AND DISPOSE OF CUT VEGETATION OFF–SITE AT NO ADDITIONAL COST TO CTDEEP. ALL CUT VEGETATION SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATION NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.

VEGETATIVE DEBRIS & TRASH REMOVAL NOTES:

1. VEGETATIVE DEBRIS: COLLECT ALL VEGETATIVE DEBRIS INCLUDING FALLEN TREES, LIMBS, AND STICKS FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND CHIP ON–SITE. ALL VEGETATIVE DEBRIS SHALL BE CHIPPED PER SPECIFICATION AND SPREAD ON–SITE TO A MAXIMUM BED THICKNESS OF SIX INCHES. ANY VEGETATIVE DEBRIS NOT CAPABLE OF BEING CHIPPED PER SPECIFICATION OR NON–SUITABLE FOR CHIPPING SHALL BE REMOVED AND DISPOSED OF OFF–SITE.
2. TRASH: REMOVE ALL TRASH (RUBBISH, TIRES, SHOPPING CARTS, VEHICLES, ETC.) FROM ALL WORK AREAS, INCLUDING FROM WITHIN THE WATER COURSES, AND DISPOSE OFF–SITE.



PLAN VIEW 10–B

GRAPHIC SCALE
0 40 80 160
SCALE IN FEET

LEGEND
- EDGE OF WATER
- PROPERTY LINE
- 2 FT. CONTOUR
- 10 FT. CONTOUR
- 10+00 11+00 PROJECT CENTERLINE (APPOX. 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

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

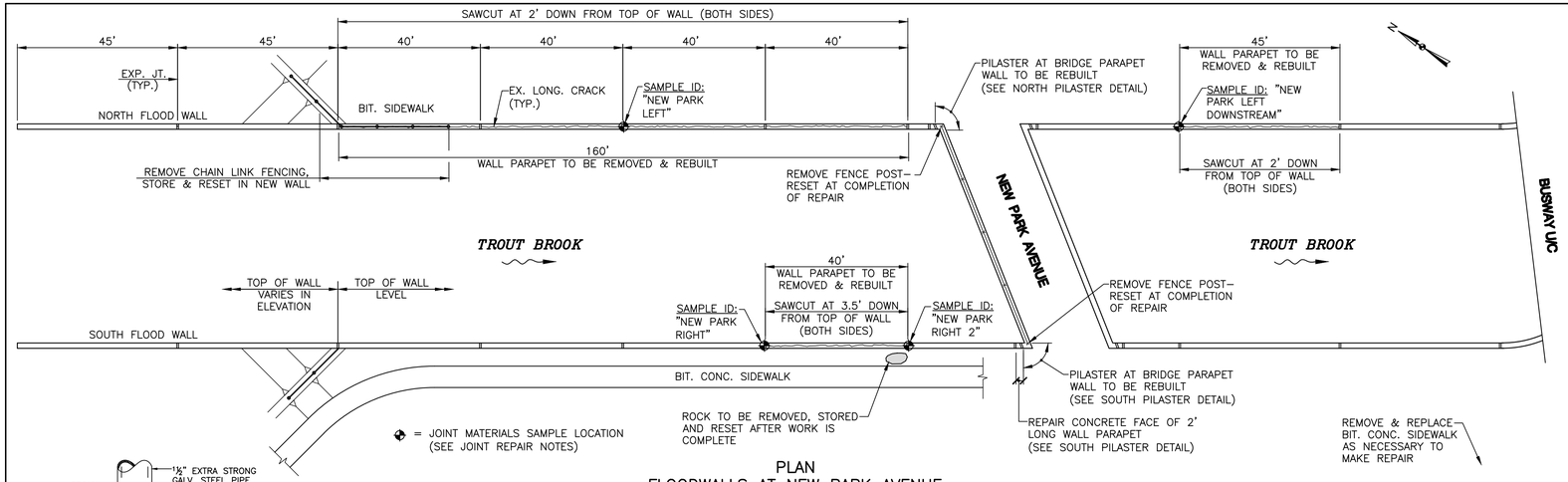
MILL BROOK
STA. 66+00 - STA. 78+25, STA. 102+00 - STA. 104+50, AND STA. 112+15 - STA. 121+07 END OF PROJECT

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

PREPARED FOR:
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (C.T.D.E.E.P.)
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	

©2013– GZA GeoEnvironmental, Inc. G:\ZA–JV\0 166300 – 0 166399\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA BASE–PARK RIVER.dwg [SHT 10]



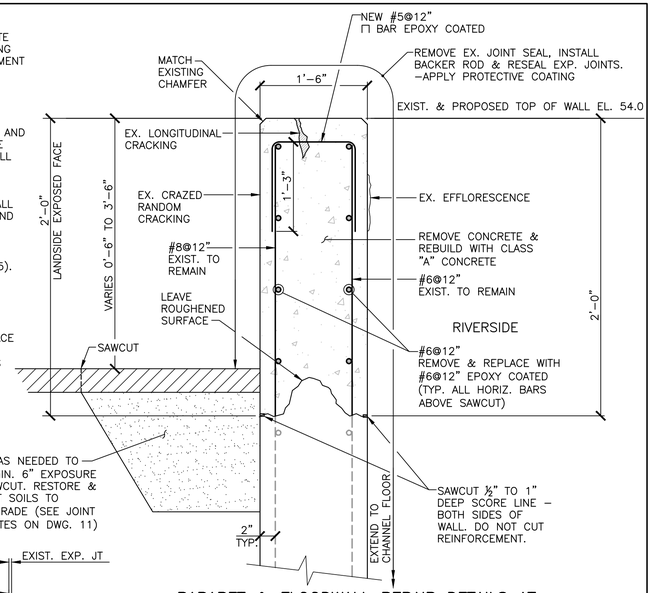
PLAN
FLOODWALLS AT NEW PARK AVENUE
1"=20'

JOINT REPAIR NOTES:

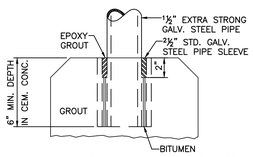
1. JOINT REPAIR MAY TERMINATE AT FINISHED GRADE OF EXISTING BITUMINOUS CONCRETE OR CEMENT CONCRETE SURFACES UNLESS WALL REPAIR EXTENDS BELOW FINISHED GRADE.

2. JOINT FILLER & SEALANT MATERIALS HAVE BEEN TESTED AND HAVE BEEN DETERMINED TO BE PCB-CONTAINING MATERIALS. ALL JOINT FILLER AND SEALANT MATERIALS NEEDING TO BE REMOVED TO MAKE THE NECESSARY WALL REPAIRS SHALL BE HANDLED CONTAINERIZED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS (SEE SPECIFICATIONS SECTION 02065).

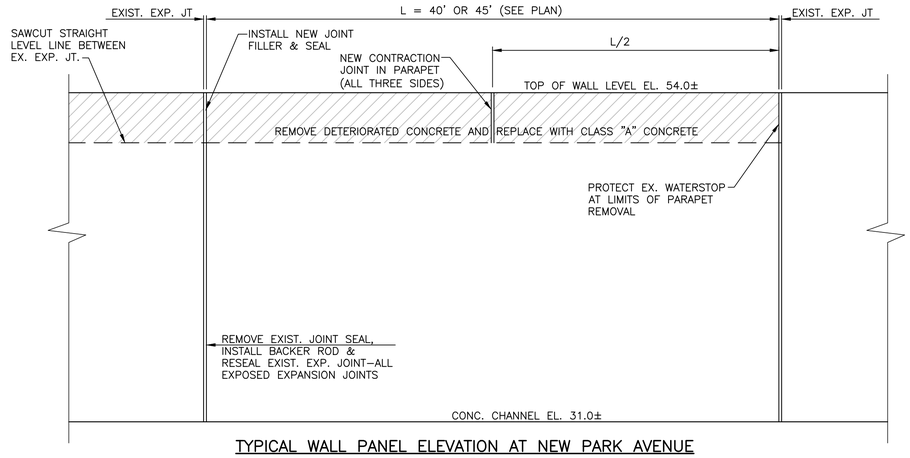
3. WHERE SOIL IS TO BE EXCAVATED FOR JOINT REPAIR, CONTRACTOR SHALL TEST FOR PCBs TO DETERMINE WHETHER SOILS CAN BE REUSED IN PLACE OR MUST BE DISPOSED OF OFF-SITE (SEE SPECIFICATIONS SECTION 02065).



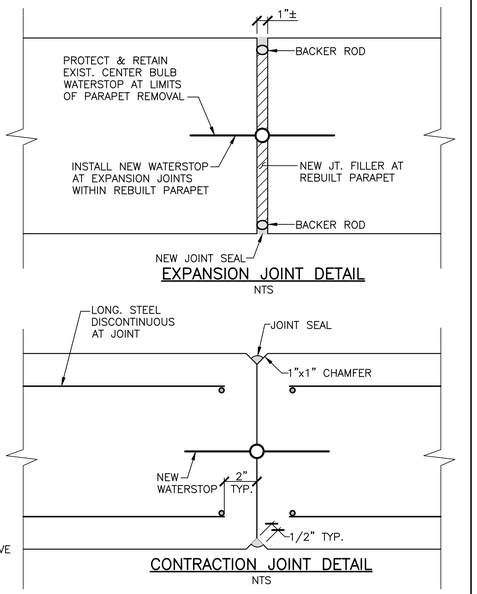
PARAPET & FLOODWALL REPAIR DETAILS AT NEW PARK AVENUE TYPICAL CROSS SECTION
1"=1'-0"



TYPICAL FENCE ANCHORAGE IN CONCRETE
NTS

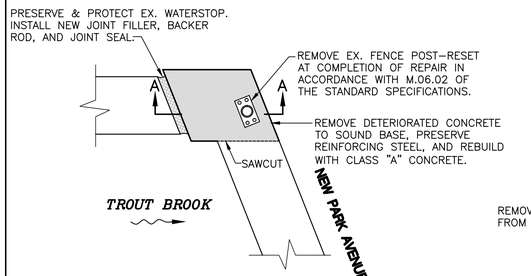


TYPICAL WALL PANEL ELEVATION AT NEW PARK AVENUE
1"=5'

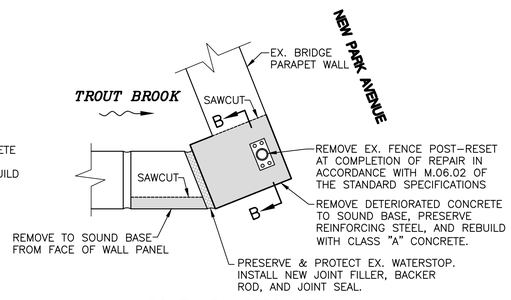


EXPANSION JOINT DETAIL
NTS

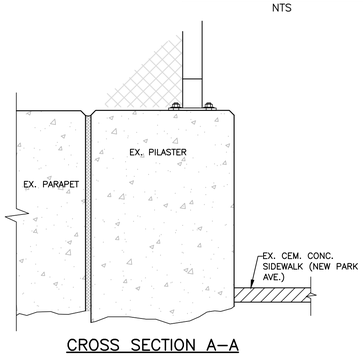
CONTRACTION JOINT DETAIL
NTS



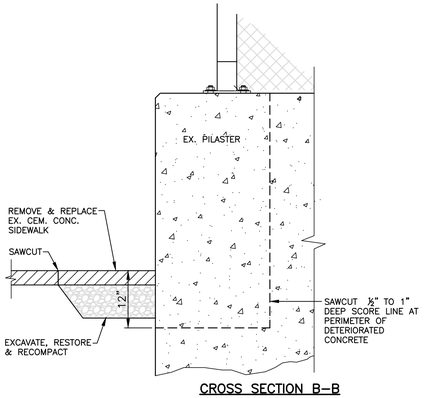
NORTH PILASTER DETAIL
NTS



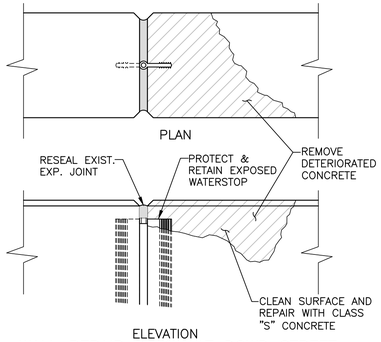
SOUTH PILASTER DETAIL
NTS



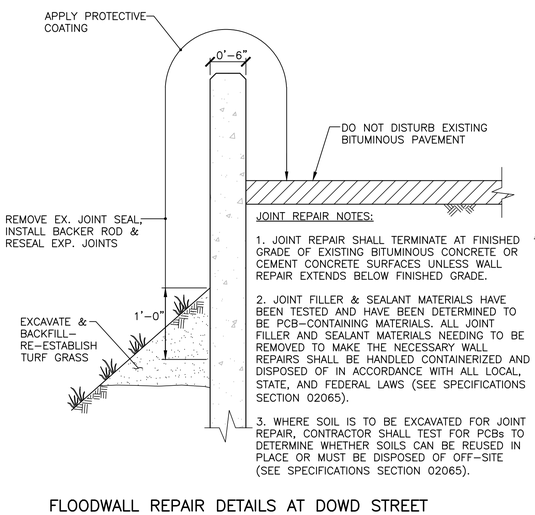
CROSS SECTION A-A
(TYP. BOTH PILASTERS)
NTS



CROSS SECTION B-B
(TYP. BOTH PILASTERS)
NTS



WALL REPAIR DETAIL AT DOWD STREET
NTS



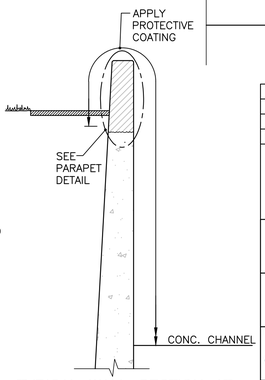
JOINT REPAIR NOTES:

1. JOINT REPAIR SHALL TERMINATE AT FINISHED GRADE OF EXISTING BITUMINOUS CONCRETE OR CEMENT CONCRETE SURFACES UNLESS WALL REPAIR EXTENDS BELOW FINISHED GRADE.

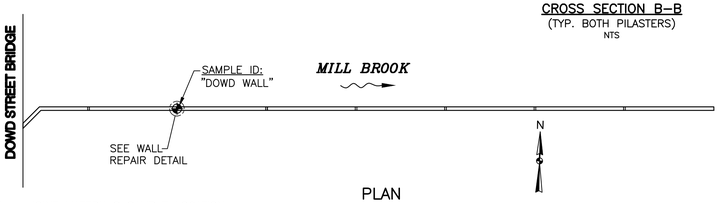
2. JOINT FILLER & SEALANT MATERIALS HAVE BEEN TESTED AND HAVE BEEN DETERMINED TO BE PCB-CONTAINING MATERIALS. ALL JOINT FILLER AND SEALANT MATERIALS NEEDING TO BE REMOVED TO MAKE THE NECESSARY WALL REPAIRS SHALL BE HANDLED CONTAINERIZED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS (SEE SPECIFICATIONS SECTION 02065).

3. WHERE SOIL IS TO BE EXCAVATED FOR JOINT REPAIR, CONTRACTOR SHALL TEST FOR PCBs TO DETERMINE WHETHER SOILS CAN BE REUSED IN PLACE OR MUST BE DISPOSED OF OFF-SITE (SEE SPECIFICATIONS SECTION 02065).

FLOODWALL REPAIR DETAILS AT DOWD STREET TYPICAL CROSS SECTION
1"=1'-0"



TYPICAL WALL SECTION AT NEW PARK AVENUE
1"=5'



= JOINT MATERIALS SAMPLE LOCATION (SEE JOINT REPAIR NOTES)

PLAN
FLOODWALL AT DOWD STREET
1"=20'

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

FLOODWALL REPAIR DETAILS

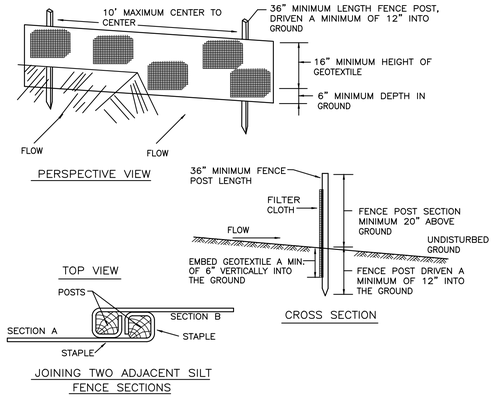
PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

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

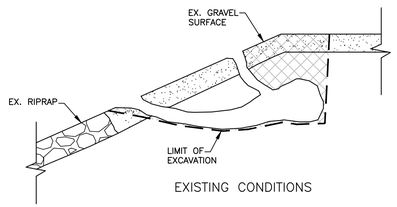
PROJ MGR:	NYA	REVIEWED BY:	NYA	CHECKED BY:	TEJ
DESIGNED BY:	NYA	DRAWN BY:	EDM	SCALE:	AS NOTED
DATE:	JANUARY 2015	PROJECT NO.	15.0166354.01	REVISION NO.	

DRAWING 11

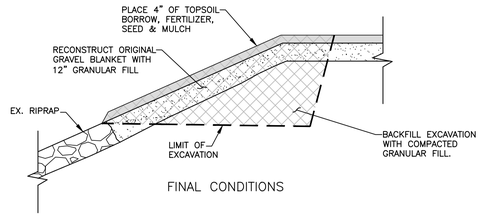
©2013 - GZA GeoEnvironmental, Inc. G:\Z-A\0 166300 - 0 166399\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\GZA_BASE-PARK RIVER.dwg [DETAILS]



SILT FENCE SEDIMENTATION CONTROL BARRIER
NTS

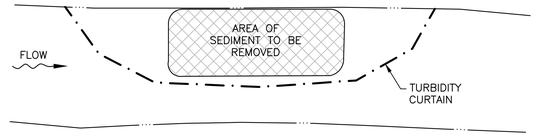


EXISTING CONDITIONS



FINAL CONDITIONS

ANIMAL BURROW REPAIR DETAIL
(LEVEE EMBANKMENTS ONLY)
NTS



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.

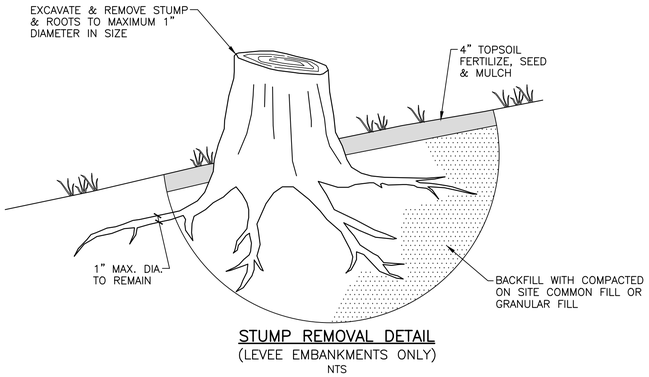
3. WORK SHALL PROCEED ONLY DURING LOW FLOW CONDITIONS AND FOLLOW ACCEPTED CONTRACTOR SEDIMENT EXCAVATION PROGRAM.

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

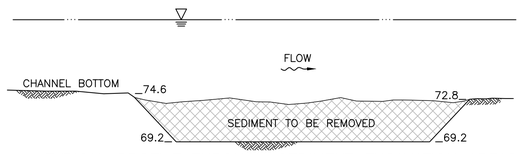
5. CONSTRUCT ACCESS DRIVE WITH ANTI-TRACKING PAD AT ROADWAY.

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

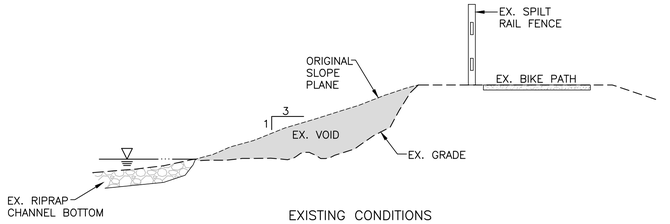
7. CHANNEL BANKS (LEFT AND RIGHT) MAY BE ARMORED WITH RIPRAP OR CONCRETE CELLULAR MATS. CONTRACTOR TO TAKE CARE NOT TO DISTURB EXISTING ARMORING.



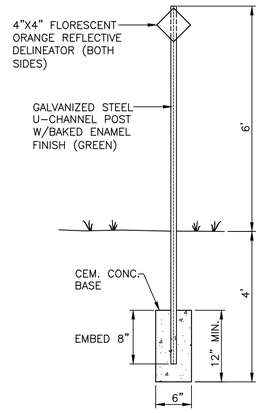
STUMP REMOVAL DETAIL
(LEVEE EMBANKMENTS ONLY)
NTS



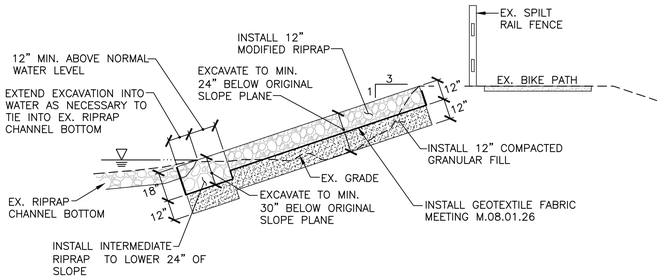
TYPICAL PROFILE THROUGH SEDIMENT EXCAVATION AREAS
(GRADE ELEVATIONS VARY BY SITES)
NTS



EXISTING CONDITIONS



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 50' (*30' for single residence lot).

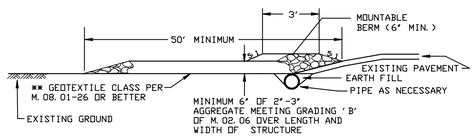
2. Width – 10' minimum, should be flared at the existing road to provide a turning radius.

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.

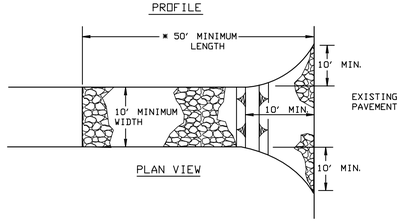
4. Stone – crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.

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.

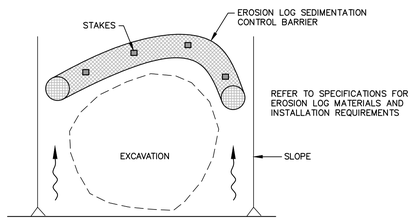


PROFILE

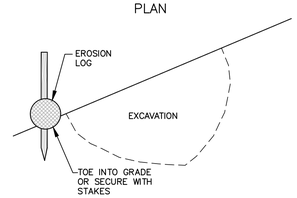


PLAN VIEW

STABILIZED CONSTRUCTION ENTRANCE
NTS

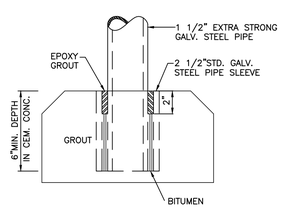


PLAN



PROFILE

EROSION LOG SEDIMENTATION CONTROL BARRIER
NTS



TYPICAL FENCE ANCHORAGE IN CONCRETE
NTS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

SOUTH BRANCH PARK RIVER
FLOOD CONTROL MAINTENANCE PROJECT

CONSTRUCTION DETAILS

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 12
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: AS NOTED	
DATE: JANUARY 2015	PROJECT NO. 15.0166354.01	REVISION NO.	

©2013~ GZA GeoEnvironmental, Inc. G:\ZA~1\0 166300 - 0 166399\15.0166354.01 CT DEEP Park River Flood Control\15.0166354.01 CAD\dwg\02A BASE-PARK RIVER.dwg [DETAILS]