

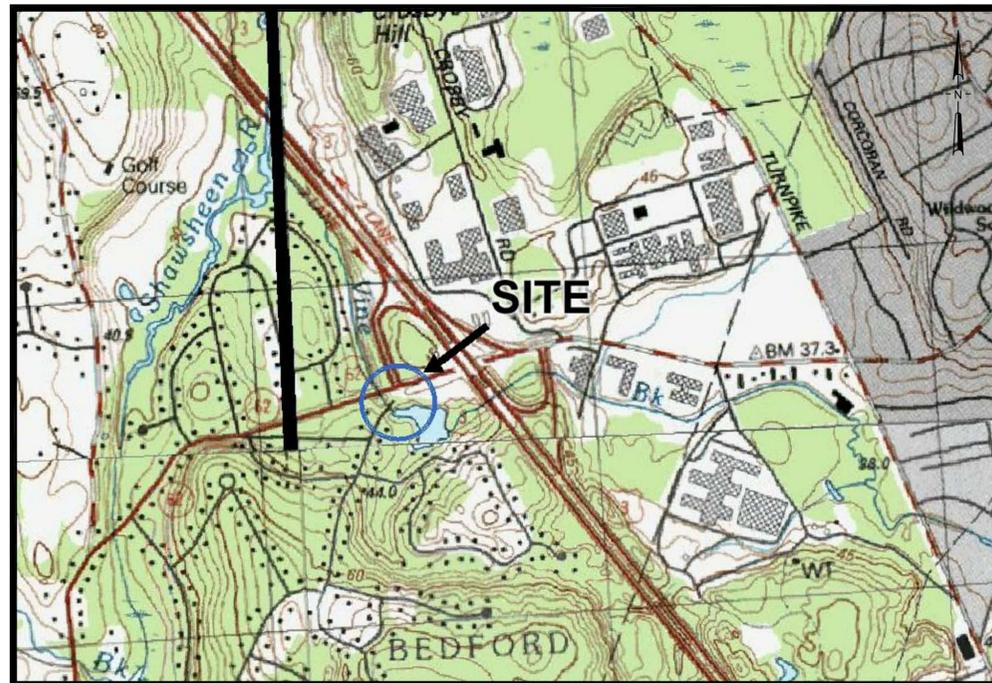
Contract Drawings Wilson Mill Dam

Bedford, Massachusetts

1 March 2012

for

Town of Bedford, Massachusetts



**HALEY &
ALDRICH**

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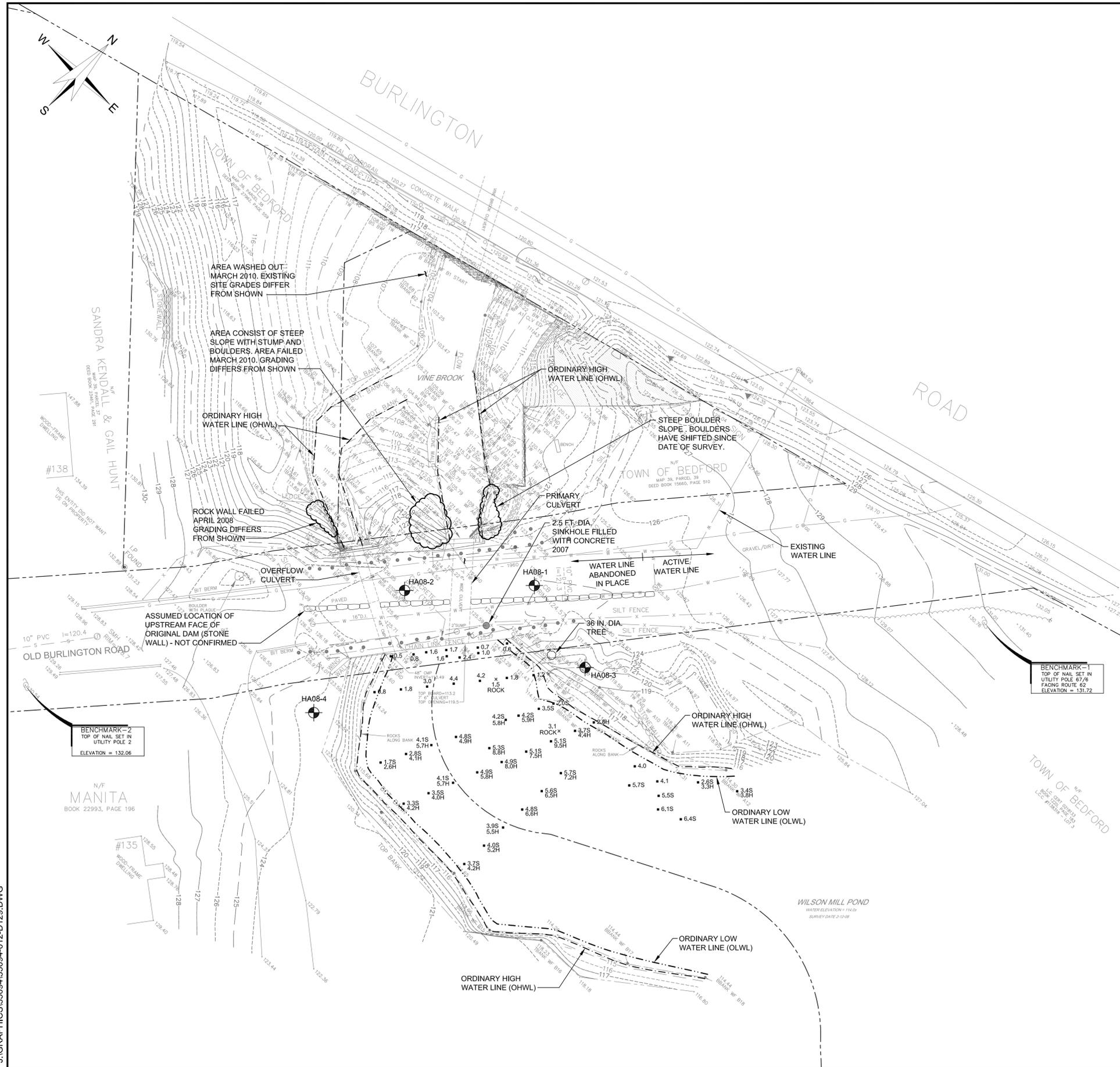
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APPROXIMATE SCALE IN FEET

Index of Drawings

Drawing No.	Sheet No.	Drawing Title
C-1	1	Cover Sheet and Index
C-2	2	Existing Conditions Plan
C-3	3	Erosion Control and Demolition Plan
C-4	4	Upstream Site Layout
C-5	5	Downstream Site Layout
C-6	6	Spillway Plan
C-7	7	Spillway Sections
C-8	8	Spillway Grading Plan
C-9	9	Spillway Details
C-10	10	Canoe Launch and Details
C-11	11	Primary Culvert and Walls 1 and 2
C-12	12	Overflow Culvert
C-13	13	Downstream Grading
C-14	14	Wall 3
C-15	15	Walls 4 and 5
C-16	16	Wall 6
C-17	17	Roadway Section
C-18	18	Railing
L-1	19	Landscape Site Plan
L-2	20	Landscape Details



CONSTRUCTION SET



LEGEND:

- HA08-1 DESIGNATION AND APPROXIMATE LOCATION OF TEST BORING
- DESIGNATION AND APPROXIMATE LOCATION OF SOUNDING
- 1.6 DEPTH IN FEET FROM TOP OF WATER TO MUDLINE
- 4.2S DEPTH IN FEET FROM TOP OF WATER TO MUDLINE; SOFT BOTTOM
- 5.8H DEPTH IN FEET FROM TOP OF WATER TO MUDLINE; HARD BOTTOM USING SURVEY ROD AND HAND PRESSURE
- 3.1 ROCK* DEPTH IN FEET FROM TOP OF WATER TO ROCK

NOTES:

1. BASE PLAN WAS DEVELOPED FROM A SITE TOPOGRAPHIC SURVEY BY BRYANT ASSOCIATES, INC., DATED 11 MARCH 2008.
2. SITE SURVEY COMPLETED ON 12 FEBRUARY 2008. SITE TOPOGRAPHY HAS CHANGED SINCE DATE OF SURVEY INCLUDING EROSION OF SOIL AND ROCKS AND FAILURE OF WALLS AND SLOPES. CONTRACTOR TO WALK THE SITE AND NOTE DIFFERENCES IN SITE TOPOGRAPHY BETWEEN EXISTING CONDITIONS AND CONDITIONS NOTED IN THE 8 FEBRUARY 2008 SURVEY.
3. SOUNDINGS PERFORMED ON 13 AUGUST 2009. WILSON MILL POND WATER LEVEL ESTIMATED AT EL. 113.3 ON DATE OF SOUNDINGS.
4. VERTICAL DATUM IS NAVD 1988 VIA RTK GPS.
5. HORIZONTAL DATUM IS MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NAD 1983 (1996).
6. ONLY SURFICIAL STRUCTURES OF UTILITIES SHOWN HAVE BEEN LOCATED BY FIELD SURVEY. LINWORK REPRESENTING UNDERGROUND STRUCTURES AND PIPES HAS BEEN SHOWN HEREON AS APPROXIMATE LOCATION BASED ON AVAILABLE RECORD PLANS. NO GUARANTEE OR WARRANTY IS MADE THAT THE UNDERGROUND UTILITIES SHOWN ARE ACCURATE OR COMPRISE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE UNDERGROUND UTILITIES SHOWN ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.
7. WETLAND DELINEATION PERFORMED BY DEROSA ENVIRONMENTAL.

Project No.:	35094-011
Scale:	AS SHOWN
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Autocad File:	35094-012-D102.DWG
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Designed By:	DJB
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Rev.	Description	By	Date
5	FOR CONSTRUCTION	DJB	3/1/12
4	BID DRAWINGS	DJB	11/1/11
3	REVIEW DRAWINGS	DJB	9/2/11
2	REVISION 2	DJB	3/30/10
1	REVISION 1	DJB	10/23/09
0	PERMIT DRAWINGS	DJB	9/23/09

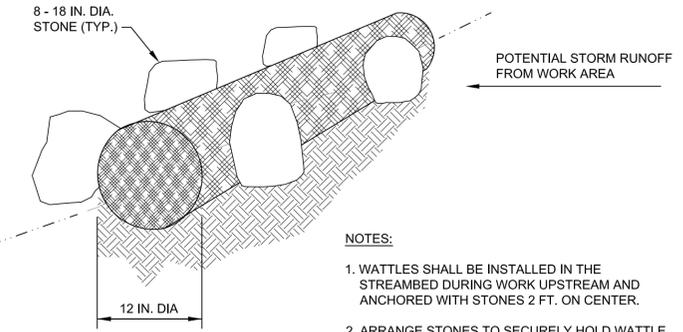
WILSON MILL DAM
 Bedford, Massachusetts

EXISTING CONDITIONS PLAN

C-2
 2 OF 20

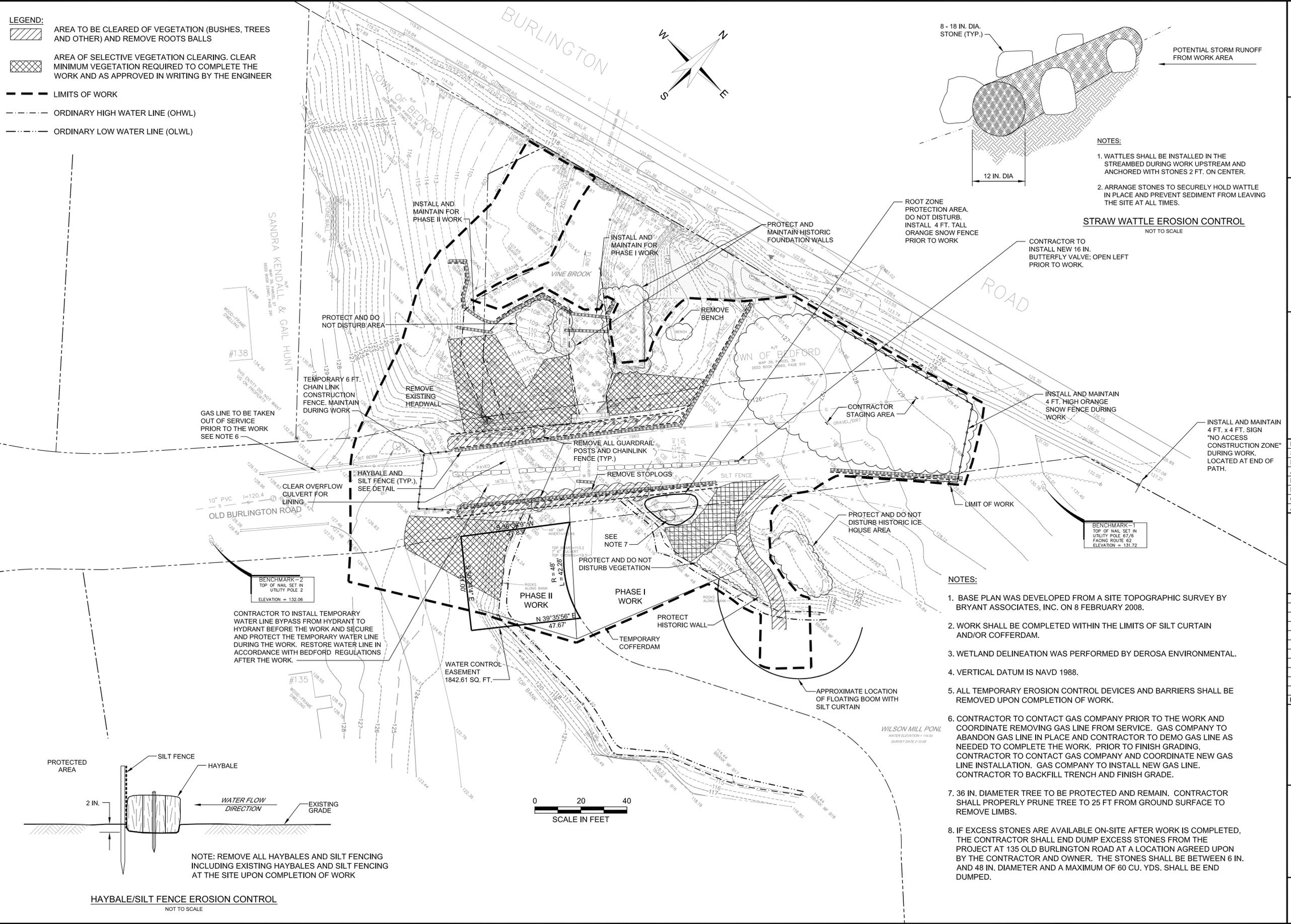


- LEGEND:**
-  AREA TO BE CLEARED OF VEGETATION (BUSHES, TREES AND OTHER) AND REMOVE ROOTS BALLS
 -  AREA OF SELECTIVE VEGETATION CLEARING. CLEAR MINIMUM VEGETATION REQUIRED TO COMPLETE THE WORK AND AS APPROVED IN WRITING BY THE ENGINEER
 -  LIMITS OF WORK
 -  ORDINARY HIGH WATER LINE (OHWL)
 -  ORDINARY LOW WATER LINE (OLWL)

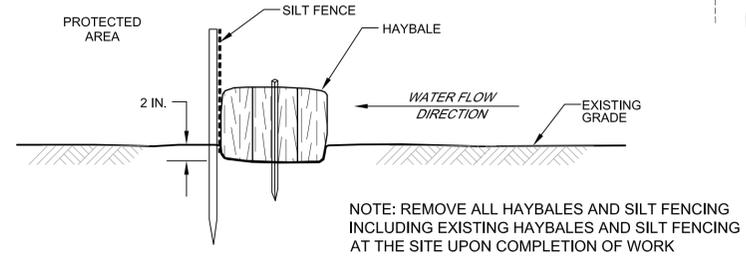


- NOTES:**
- WATTLES SHALL BE INSTALLED IN THE STREAMBED DURING WORK UPSTREAM AND ANCHORED WITH STONES 2 FT. ON CENTER.
 - ARRANGE STONES TO SECURELY HOLD WATTLE IN PLACE AND PREVENT SEDIMENT FROM LEAVING THE SITE AT ALL TIMES.

STRAW WATTLE EROSION CONTROL
 NOT TO SCALE



- NOTES:**
- BASE PLAN WAS DEVELOPED FROM A SITE TOPOGRAPHIC SURVEY BY BRYANT ASSOCIATES, INC. ON 8 FEBRUARY 2008.
 - WORK SHALL BE COMPLETED WITHIN THE LIMITS OF SILT CURTAIN AND/OR COFFERDAM.
 - WETLAND DELINEATION WAS PERFORMED BY DEROSA ENVIRONMENTAL.
 - VERTICAL DATUM IS NAVD 1988.
 - ALL TEMPORARY EROSION CONTROL DEVICES AND BARRIERS SHALL BE REMOVED UPON COMPLETION OF WORK.
 - CONTRACTOR TO CONTACT GAS COMPANY PRIOR TO THE WORK AND COORDINATE REMOVING GAS LINE FROM SERVICE. GAS COMPANY TO ABANDON GAS LINE IN PLACE AND CONTRACTOR TO DEMO GAS LINE AS NEEDED TO COMPLETE THE WORK. PRIOR TO FINISH GRADING, CONTRACTOR TO CONTACT GAS COMPANY AND COORDINATE NEW GAS LINE INSTALLATION. GAS COMPANY TO INSTALL NEW GAS LINE. CONTRACTOR TO BACKFILL TRENCH AND FINISH GRADE.
 - 36 IN. DIAMETER TREE TO BE PROTECTED AND REMAIN. CONTRACTOR SHALL PROPERLY PRUNE TREE TO 25 FT FROM GROUND SURFACE TO REMOVE LIMBS.
 - IF EXCESS STONES ARE AVAILABLE ON-SITE AFTER WORK IS COMPLETED, THE CONTRACTOR SHALL END DUMP EXCESS STONES FROM THE PROJECT AT 135 OLD BURLINGTON ROAD AT A LOCATION AGREED UPON BY THE CONTRACTOR AND OWNER. THE STONES SHALL BE BETWEEN 6 IN. AND 48 IN. DIAMETER AND A MAXIMUM OF 60 CU. YDS. SHALL BE END DUMPED.



HAYBALE/SILT FENCE EROSION CONTROL
 NOT TO SCALE



Project No.:	35094-011
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6	FOR CONSTRUCTION	DJB	3/1/12
5	BID DRAWINGS	DJB	11/1/11
4	REVIEW DRAWINGS	DJB	9/2/11
3	REVISION 3	DJB	3/30/10
2	REVISION 2	DJB	10/28/09
1	REVISION 1	DJB	10/23/09
0	PERMIT DRAWINGS	DJB	9/23/09

WILSON MILL DAM
 Bedford, Massachusetts

EROSION CONTROL AND DEMOLITION PLAN

C-3

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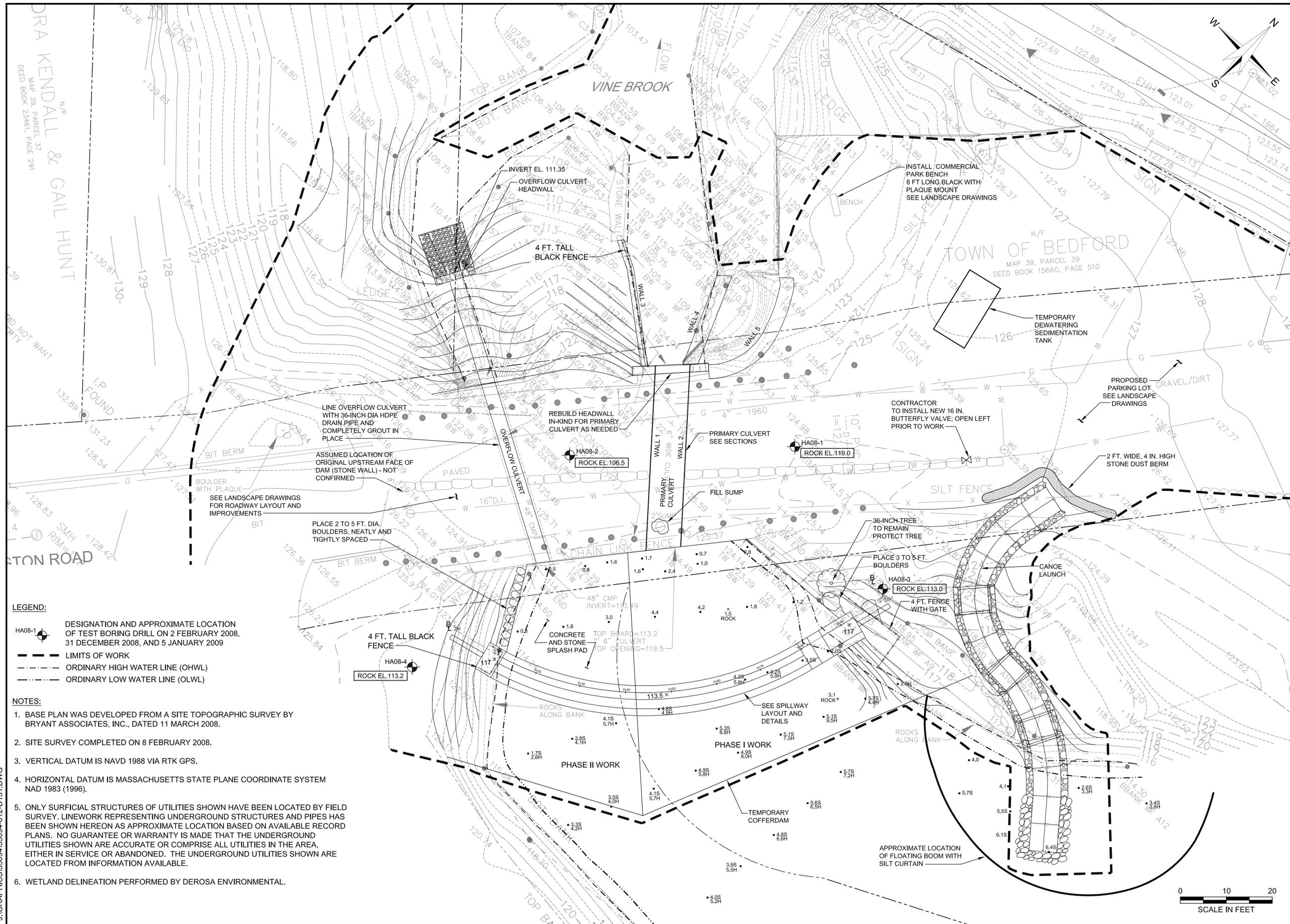
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1	REVISION 1	DJB	10/23/09
0	PERMIT DRAWINGS	DJB	9/23/09

WILSON MILL DAM
 Bedford, Massachusetts

UPSTREAM SITE LAYOUT

C-4



LEGEND:

HA08-1 DESIGNATION AND APPROXIMATE LOCATION OF TEST BORING DRILL ON 2 FEBRUARY 2008, 31 DECEMBER 2008, AND 5 JANUARY 2009

--- LIMITS OF WORK

- - - ORDINARY HIGH WATER LINE (OHWL)

· · · ORDINARY LOW WATER LINE (OLWL)

NOTES:

1. BASE PLAN WAS DEVELOPED FROM A SITE TOPOGRAPHIC SURVEY BY BRYANT ASSOCIATES, INC., DATED 11 MARCH 2008.
2. SITE SURVEY COMPLETED ON 8 FEBRUARY 2008.
3. VERTICAL DATUM IS NAVD 1988 VIA RTK GPS.
4. HORIZONTAL DATUM IS MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NAD 1983 (1996).
5. ONLY SURFICIAL STRUCTURES OF UTILITIES SHOWN HAVE BEEN LOCATED BY FIELD SURVEY. LINEWORK REPRESENTING UNDERGROUND STRUCTURES AND PIPES HAS BEEN SHOWN HEREON AS APPROXIMATE LOCATION BASED ON AVAILABLE RECORD PLANS. NO GUARANTEE OR WARRANTY IS MADE THAT THE UNDERGROUND UTILITIES SHOWN ARE ACCURATE OR COMPRISE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE UNDERGROUND UTILITIES SHOWN ARE LOCATED FROM INFORMATION AVAILABLE.
6. WETLAND DELINEATION PERFORMED BY DEROSA ENVIRONMENTAL.

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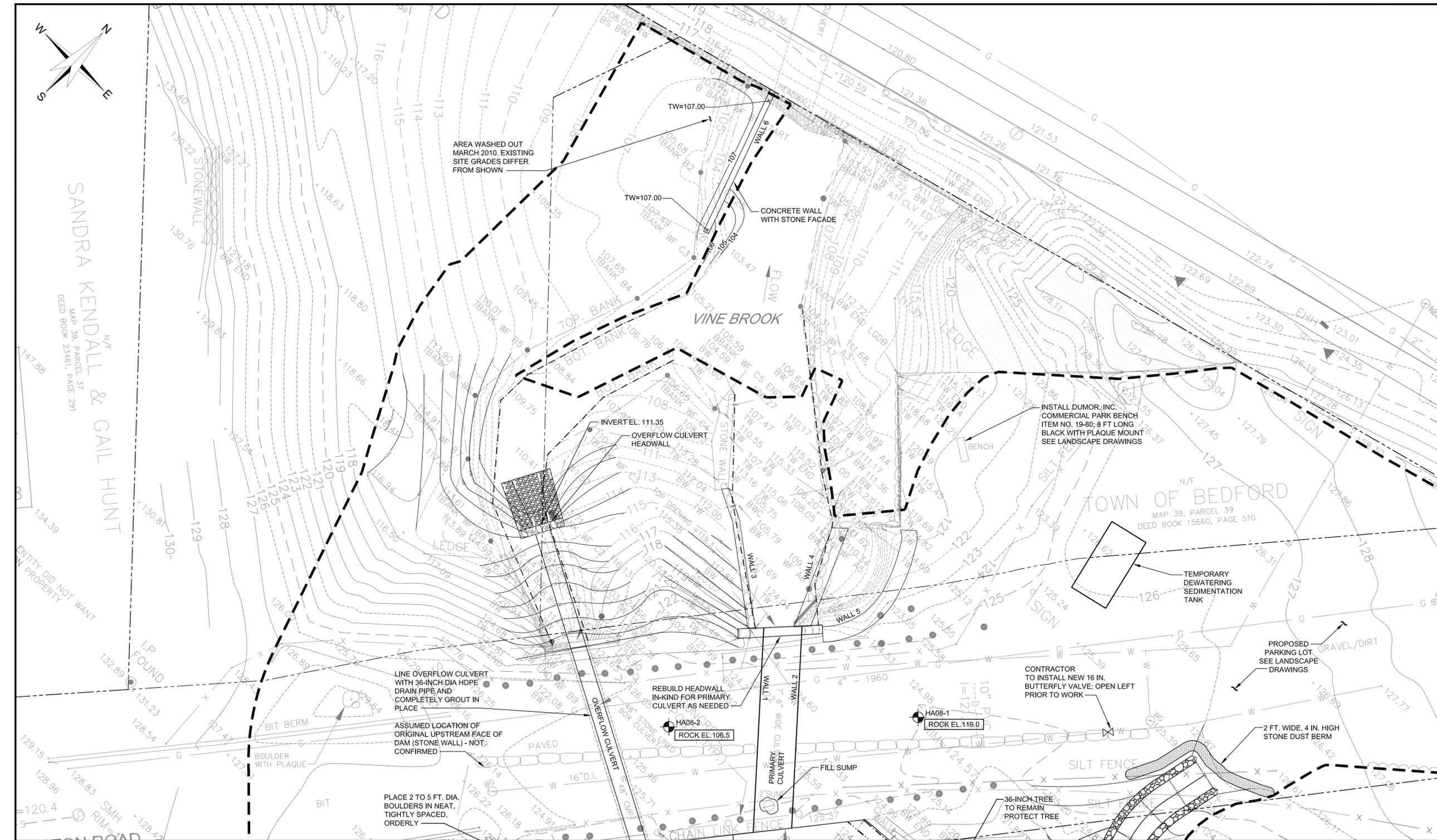
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Scale:	AS SHOWN
Date:	30 MARCH 2010
Autocad File:	35094-012-D105.DWG
Drawn By:	DTE
Designed By:	DJB
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3	FOR CONSTRUCTION	DJB	3/1/12
2	BID DRAWINGS	DJB	11/1/11
1	REVIEW DRAWINGS	DJB	9/2/11

WILSON MILL DAM
 Bedford, Massachusetts

**DOWNSTREAM
 SITE LAYOUT**

C-5



SANDRA KENDALL & GAIL HUNT
 N/F
 MAP 39, PARCEL 37
 DEED BOOK 23461, PAGE 291

TOWN OF BEDFORD
 N/F
 MAP 39, PARCEL 39
 DEED BOOK 15660, PAGE 510

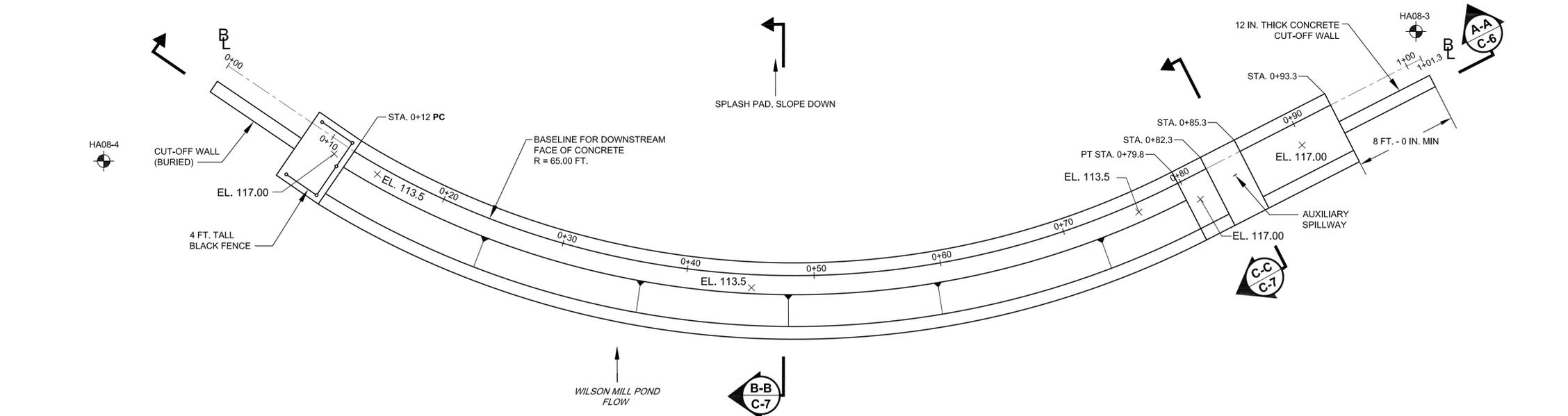
LEGEND:

- HA08-1 DESIGNATION AND APPROXIMATE LOCATION OF TEST BORING
- LIMITS OF WORK
- ORDINARY HIGH WATER LINE (OHWL)
- ORDINARY LOW WATER LINE (OLWL)

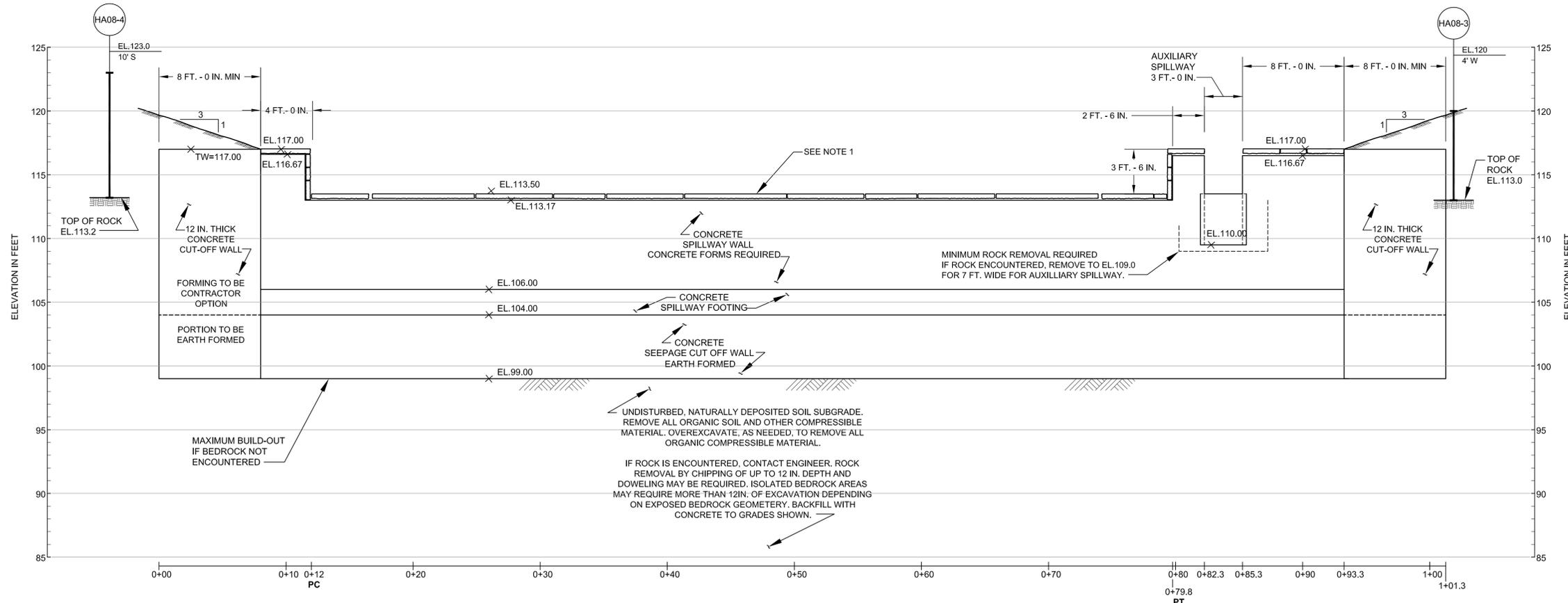
NOTES:

1. BASE PLAN WAS DEVELOPED FROM A SITE TOPOGRAPHIC SURVEY BY BRYANT ASSOCIATES, INC., DATED 11 MARCH 2008.
2. SITE SURVEY COMPLETED ON 8 FEBRUARY 2008.
3. VERTICAL DATUM IS NAVD 1988 VIA RTK GPS.
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6. WETLAND DELINEATION PERFORMED BY DEROSA ENVIRONMENTAL.





SPILLWAY PLAN
 SCALE: 1 IN. = 5 FT.



SPILLWAY SECTION A-A
 SCALE: 1 IN. = 5 FT.

- NOTES:**
1. SPILLWAY CAP STONES SHALL BE GRANITE WITH SAWCUT, OR OTHER SMOOTH TOP SURFACE. STONES SHALL BE 24 IN. WIDE BY 4 IN. THICK. LENGTH OF EACH STONE SHALL BE MIN. 4 FT AND MAX 8 FT AND CREATE A UNIFORM AND SYMMETRICAL PATTERN. EACH CAPSTONE SHALL BE SECURELY PLACED AT 4% SLOPE TO DRAIN WATER TOWARDS DOWNSTREAM. EACH STONE SHALL BE SET IN MORTAR AND PINNED WITH 8 IN. LONG X 1/2 IN. DIA. THREADED STAINLESS STEEL DOWELS DRILLED AND EPOXIED INTO CONCRETE SPILLWAY. INSTALL 2 PINS PER 2 FT LENGTH OF CAPSTONE (MIN. 6 PINS FOR 4 FT LENGTH CAPSTONE).
 2. MAXIMUM LENGTH OF INDIVIDUAL CONCRETE PLACEMENT FOR SPILLWAY SHALL BE 26 FT.

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4	FOR CONSTRUCTION	DJB	3/1/12
3	ADDENDUM NO.2	DJB	12/9/11
2	BID DRAWINGS	DJB	11/1/11
1	REVIEW DRAWINGS	DJB	9/2/11
0	REVISION 1	DJB	10/23/09

WILSON MILL DAM
 Bedford, Massachusetts

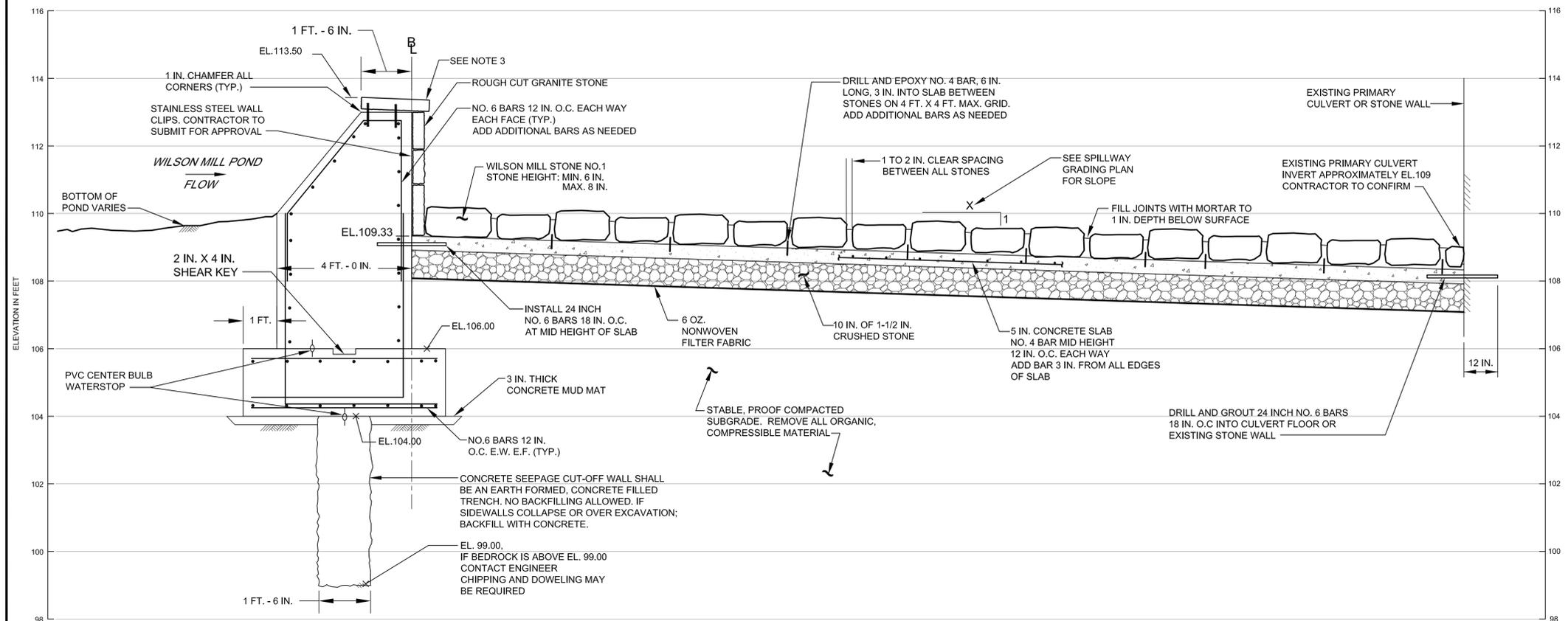
SPILLWAY PLAN

C-6

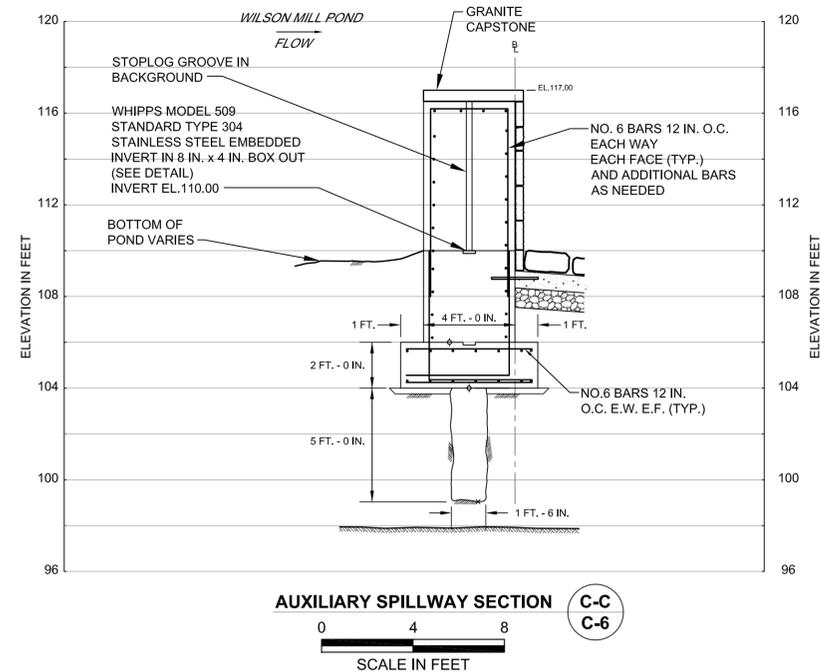
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NOTES:

1. ALL REINFORCING BARS SHALL BE NO. 6 BARS Fy=60ksi.
2. PLACE ALL REINFORCING BARS 3 IN. CLEAR FROM CONCRETE FACE.
3. SPILLWAY CAP STONES SHALL BE GRANITE WITH SAWCUT, OR OTHER SMOOTH, TOP SURFACE. STONES SHALL BE 24 IN. WIDE BY 4 IN. THICK. LENGTH OF EACH STONE SHALL BE MIN. 4 FT AND MAX 8 FT AND CREATE A UNIFORM AND SYMMETRICAL PATTERN. EACH CAPSTONE SHALL BE SECURELY PLACED AT 4% SLOPE TO DRAIN WATER TOWARDS DOWNSTREAM. EACH STONE SHALL BE SET IN MORTAR AND PINNED WITH 8 IN. LONG X 1/2 IN. DIA. THREADED STAINLESS STEEL DOWELS DRILLED AND EPOXIED INTO CONCRETE SPILLWAY. INSTALL 2 PINS PER 2 FT LENGTH OF CAPSTONE (MIN. 6 PINS FOR 4 FT LENGTH CAPSTONE).



SPLASH PAD SECTION B-B C-6
 0 2 4
 SCALE IN FEET



AUXILIARY SPILLWAY SECTION C-C C-6
 0 4 8
 SCALE IN FEET

NOTES:

1. ALL REINFORCING BARS SHALL BE NO. 6 BARS Fy=60ksi.
2. PLACE ALL REINFORCING BARS 3 IN. CLEAR FROM CONCRETE FACE.



WILSON MILL STONE NO.1

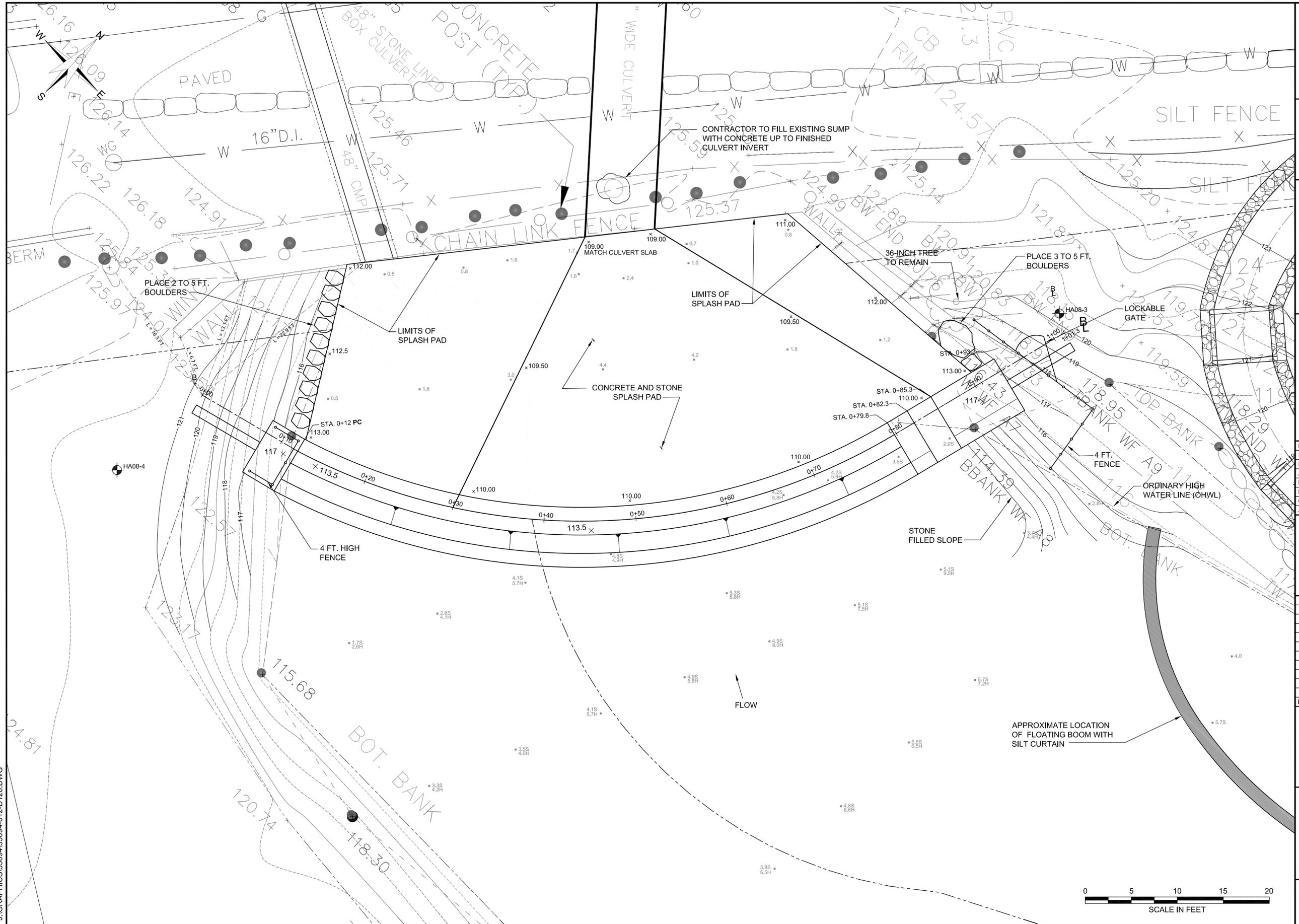
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4	FOR CONSTRUCTION	DJB	3/1/12
3	ADDENDUM NO.1	DJB	12/2/11
2	BID DRAWINGS	DJB	11/1/11
1	REVIEW DRAWINGS	DJB	9/2/11
0	REVISION 1	DJB	10/23/09

WILSON MILL DAM
 Bedford, Massachusetts

SPILLWAY SECTIONS

C-7



Project No.:	35094-010
Scale:	AS SHOWN
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Autocad File:	35094-012-D108.DWG
Drawn By:	KBM
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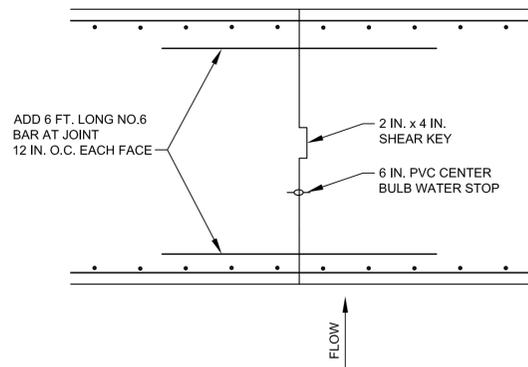
Rev.	Description	By	Date
5	FOR CONSTRUCTION	DJB	3/1/12
4	ADDENDUM NO.1	DJB	12/2/11
3	BID DRAWINGS	DJB	11/1/11
2	REVIEW DRAWINGS	DJB	9/2/11
1	REVISION 1	DJB	10/23/09
0	Permit Drawings	DJB	9/23/09

WILSON MILL DAM
 Bedford, Massachusetts

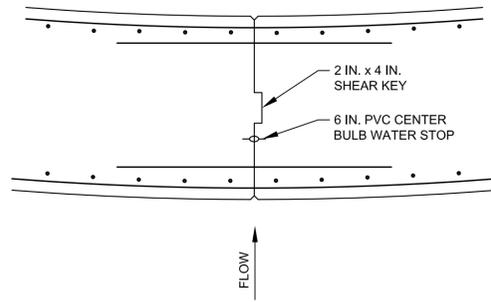
SPILLWAY GRADING PLAN

C-8

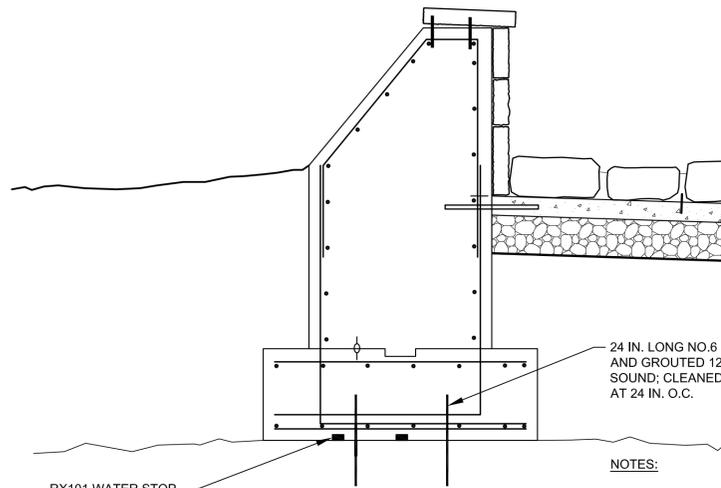
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**VERTICAL CONSTRUCTION JOINT
 IN CONCRETE FOOTING
 PLAN VIEW**



**VERTICAL CONSTRUCTION JOINT
 IN CONCRETE SPILLWAY
 PLAN VIEW**

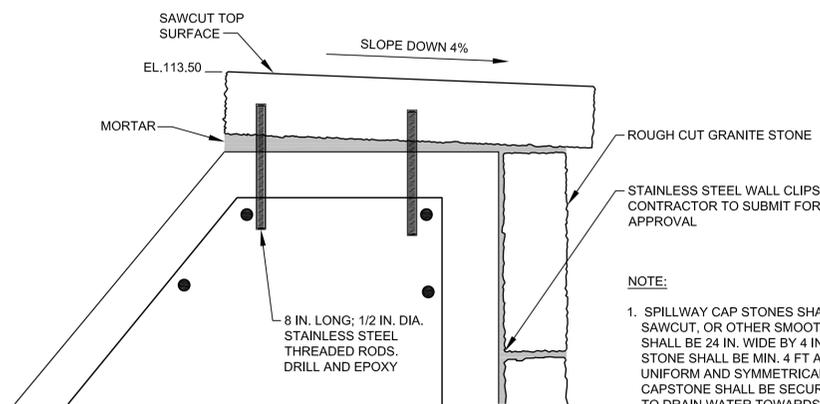


SPILLWAY BEARING ON BEDROCK



NOTES:

1. BEDROCK SURFACE SHALL BE SOUND AND CLEANED WITH COMPRESSED AIR PRIOR TO PLACING CONCRETE.
2. CONTACT ENGINEER IF BEDROCK IS ENCOUNTERED. CHIPPING AND EXCAVATION MAY BE REQUIRED.

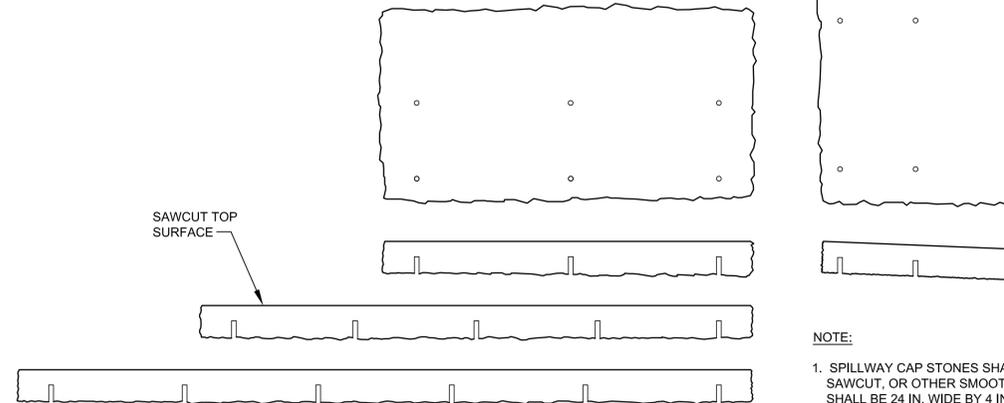


GRANITE SPILLWAY CAPSTONE DETAIL



NOTE:

1. SPILLWAY CAP STONES SHALL BE GRANITE WITH SAWCUT, OR OTHER SMOOTH, TOP SURFACE. STONES SHALL BE 24 IN. WIDE BY 4 IN. THICK. LENGTH OF EACH STONE SHALL BE MIN. 4 FT AND MAX 8 FT AND CREATE A UNIFORM AND SYMMETRICAL PATTERN. EACH CAPSTONE SHALL BE SECURELY PLACED AT 4% SLOPE TO DRAIN WATER TOWARDS DOWNSTREAM. EACH STONE SHALL BE SET IN MORTAR AND PINNED WITH 8 IN. LONG X 1/2 IN. DIA. THREADED STAINLESS STEEL DOWELS DRILLED AND EPOXIED INTO CONCRETE SPILLWAY. INSTALL 2 PINS PER 2 FT LENGTH OF CAPSTONE (MIN. 6 PINS FOR 4 FT LENGTH CAPSTONE).

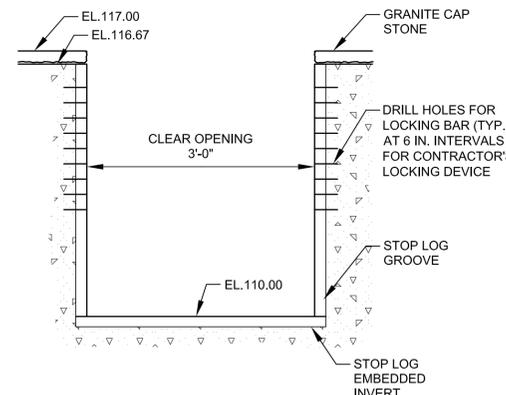


GRANITE SPILLWAY CAPSTONE

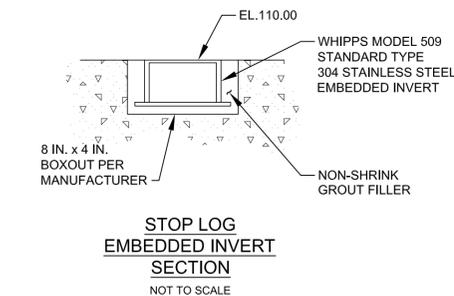


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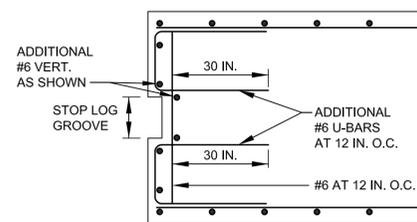
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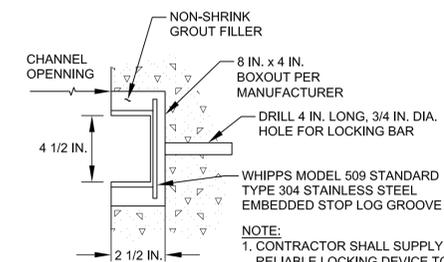
**AUXILIARY SPILLWAY
 ELEVATION
 NOT TO SCALE**



**STOP LOG
 EMBEDDED INVERT
 SECTION
 NOT TO SCALE**



**TYPICAL DETAIL AT STOP LOG GROOVE
 (SIDES AND BOTTOM)
 NOT TO SCALE**



**STOP LOG GROOVE
 SECTION
 NOT TO SCALE**

NOTE:

1. CONTRACTOR SHALL SUPPLY A RELIABLE LOCKING DEVICE TO SECURE STOP LOGS AGAINST VANDALISM AND REMOVAL
2. CONTRACTOR TO PROVIDE THE TOWN 4 - 12 IN. HIGH AND 6 - 6 IN. HIGH ALUMINUM STOPLOGS.

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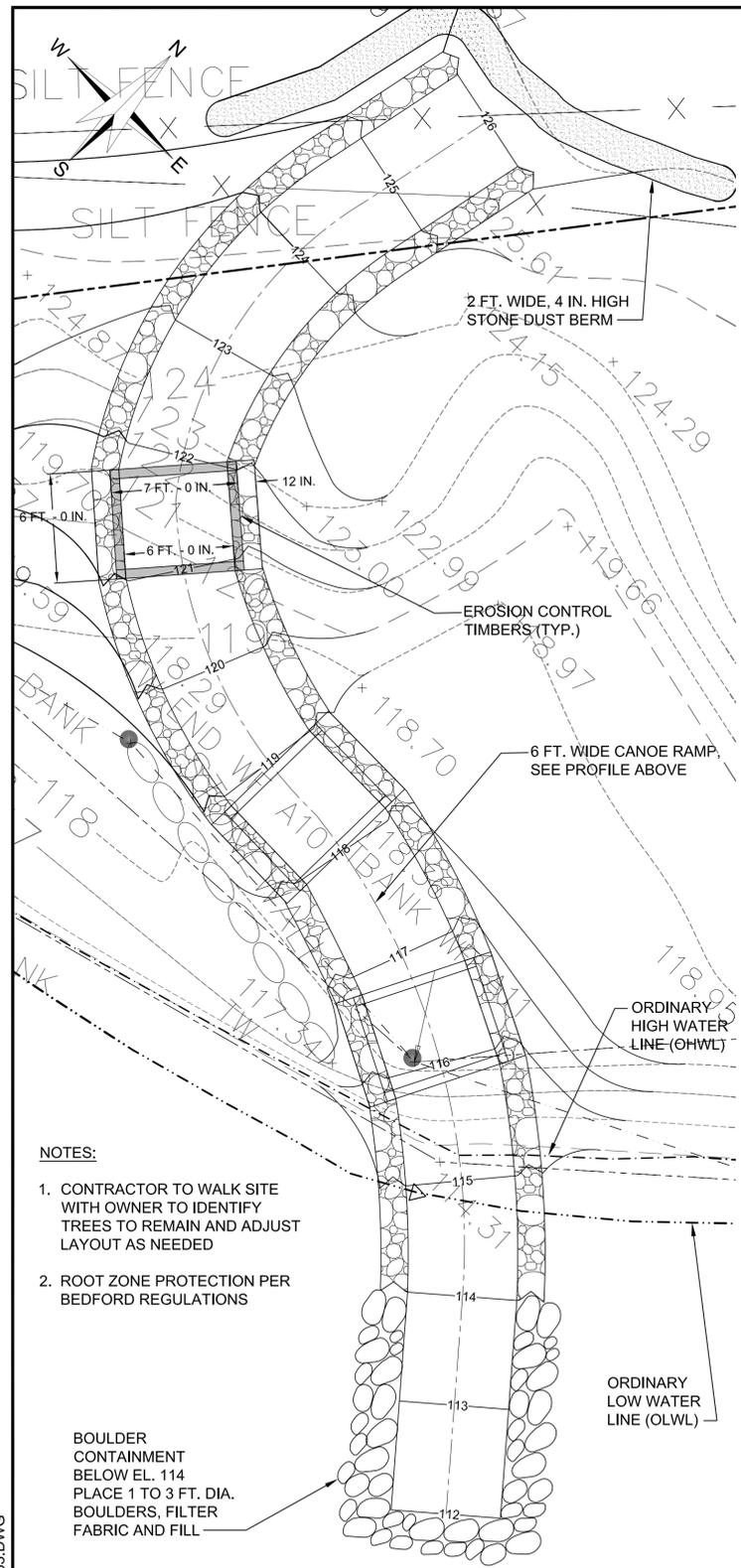
**WILSON MILL
 DAM**

Bedford, Massachusetts

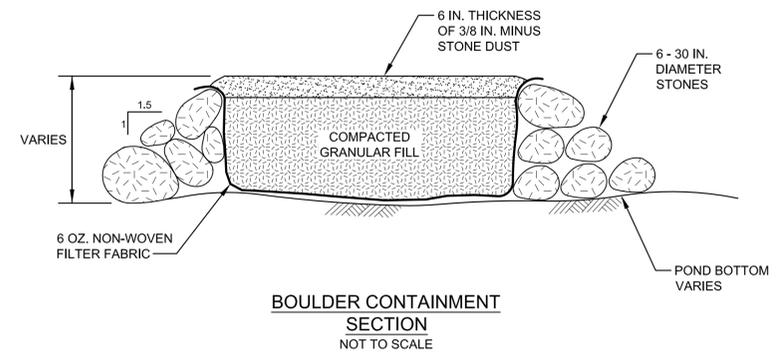
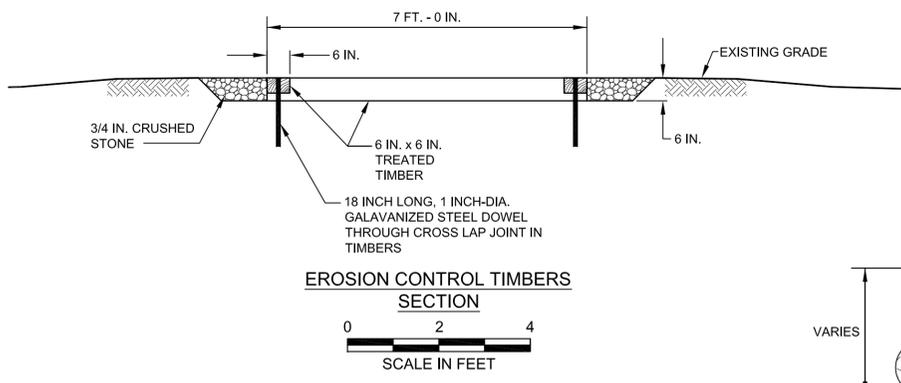
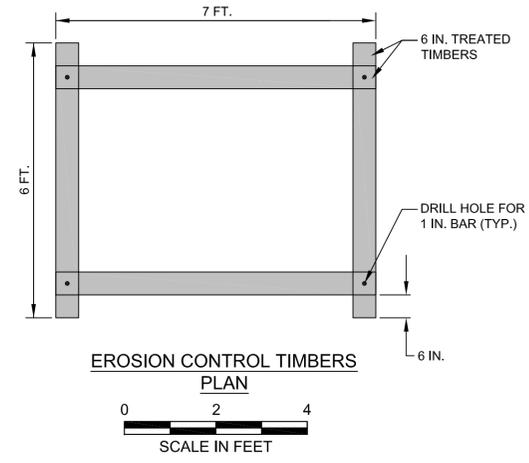
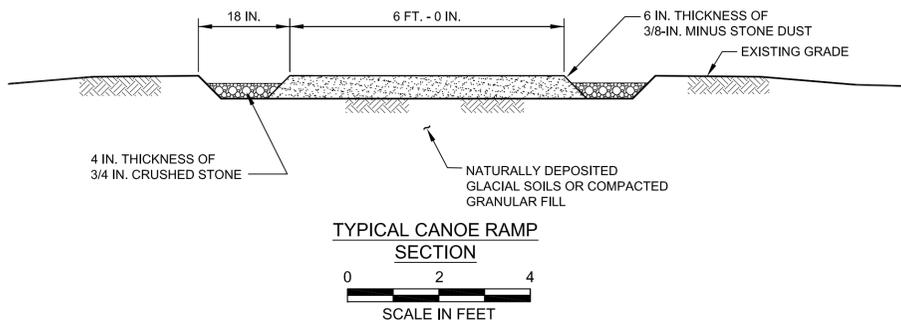
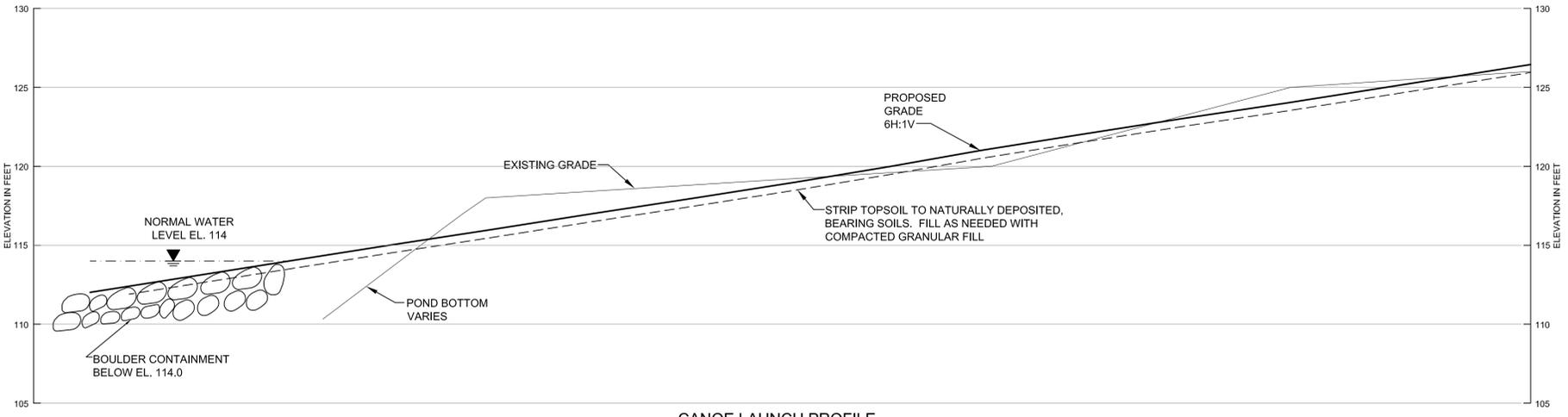
**SPILLWAY
 DETAILS**

C-9

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CANOE LAUNCH GRADING AND LAYOUT
 0 5 10
 SCALE IN FEET



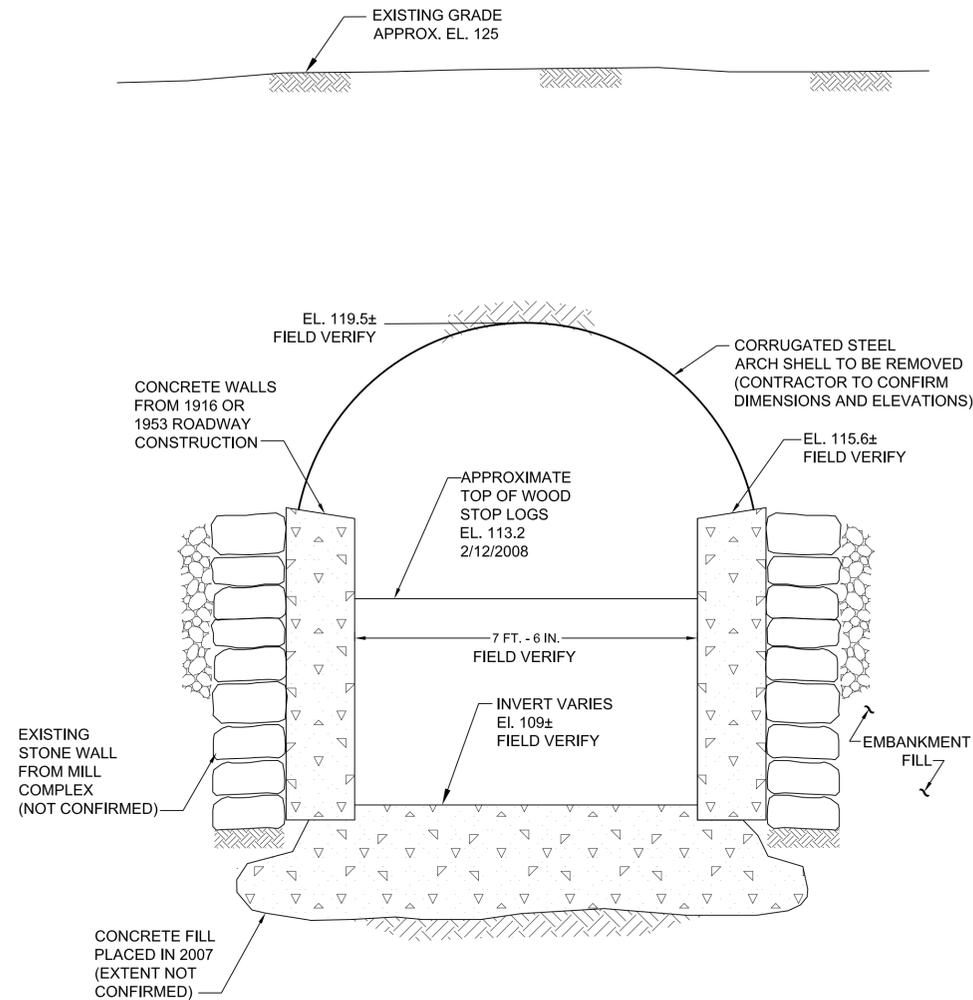
HALEY & ALDRICH
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Checked By:	DJB
Approved By:	DJB

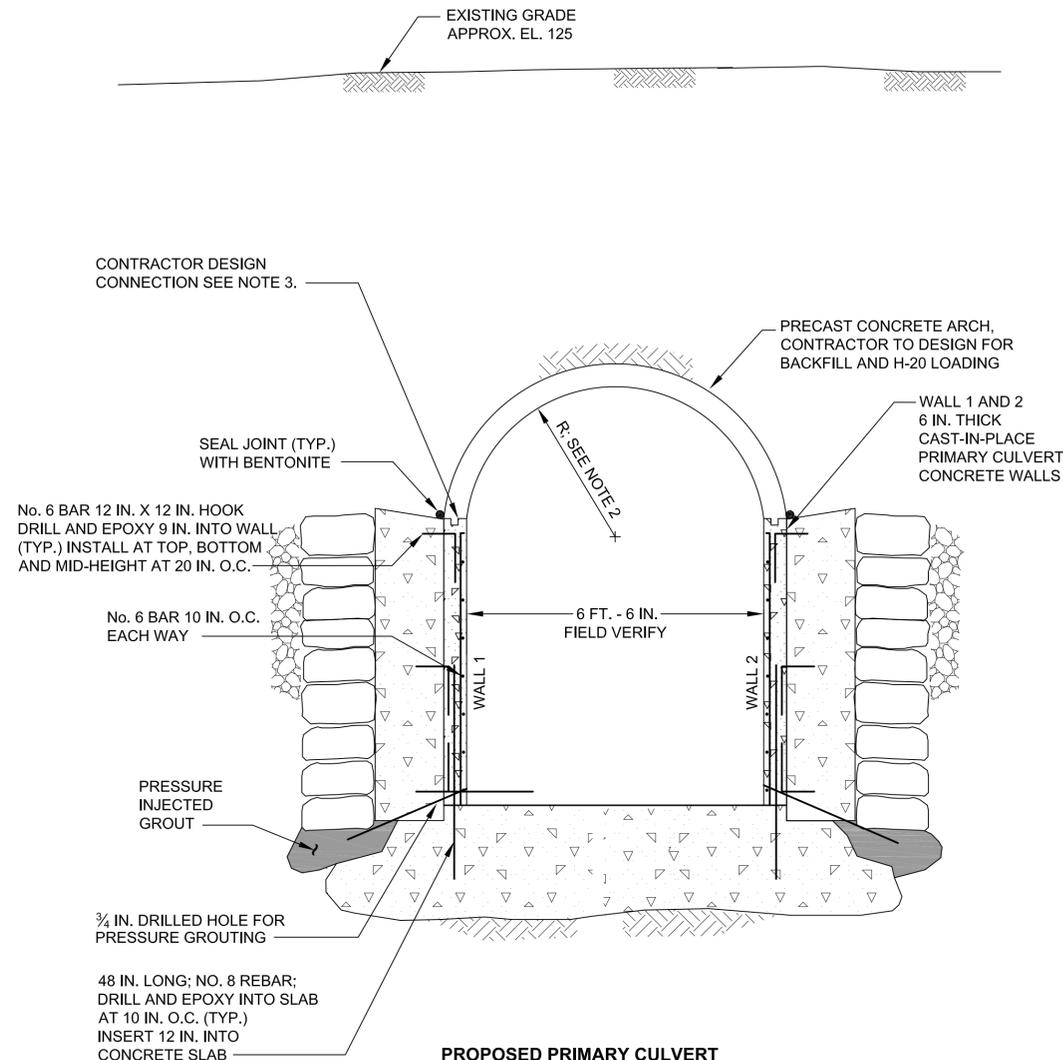
Rev.	Description	By	Date
3	FOR CONSTRUCTION	DJB	3/1/12
2	BID DRAWINGS	DJB	11/1/11
1	REVIEW DRAWINGS	DJB	9/2/11
0	Permit Drawings	DJB	9/23/09

WILSON MILL DAM
 Bedford, Massachusetts

CANOE LAUNCH AND DETAILS



EXISTING PRIMARY CULVERT SECTION
 0 2 4 6
 SCALE IN FEET



PROPOSED PRIMARY CULVERT SECTION
 0 2 4 6
 SCALE IN FEET

NOTES:

- CONTRACTOR SHALL DRILL 3/4 IN. HOLES AT 4 FT. ON CENTER ALONG RIGHT AND LEFT SIDES OF CULVERT AT BASE. INSTALL 1/2 IN. DIAMETER GROUT TUBE AND PRESSURE GROUT VOID SPACE TO ENTIRELY FILL EXISTING VOIDS.
- CONTRACTOR SHALL DESIGN AND INSTALL PRECAST ARCH TO FIT NEW CAST-IN-PLACE WALLS. ARCH TO SUPPORT OVERLYING BACKFILL AND H-20 LOADING. ARCH SHALL BE SEMI-CIRCLE OR SIMILAR APPROVED SHAPE AND CONTRACTOR TO FIELD VERIFY REQUIRED DIMENSIONS.
- ARCH AND CAST-IN-PLACE WALLS SHALL BE FITTED WITH SHEAR KEYS AND POSITIVE STEEL DOWEL CONNECTIONS (THREADED BOLTS OR OTHER). JOINTS SHALL BE SEALED WITH BUTYL RUBBER.
- CONTRACTOR SHALL PROVIDE LATERAL SUPPORT AND SHORING TO PRIMARY CULVERT WALLS DURING THE WORK.
- CONTRACTOR SHALL REBUILD PRIMARY CULVERT HEADWALL IN-KIND AS NEEDED TO COMPLETE PRIMARY CULVERT WORK.

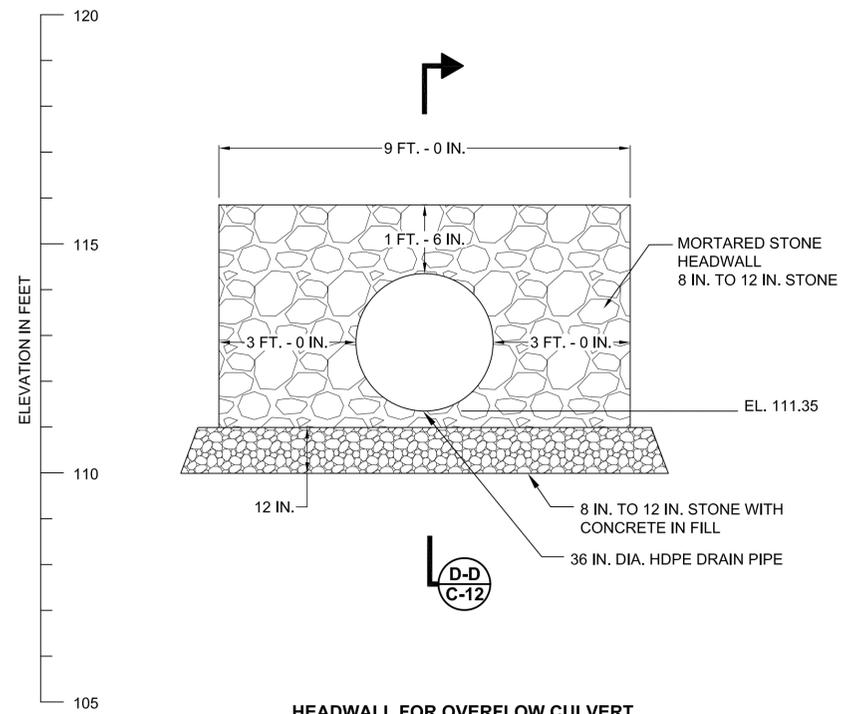
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Scale:	AS SHOWN
Date:	23 SEPTEMBER 2009
Autocad File:	35094-011-D111.DWG
Drawn By:	KBM
Designed By:	KBM
Checked By:	DJB
Approved By:	ADS

Rev.	Description	By	Date
4	FOR CONSTRUCTION	DJB	3/1/12
3	BID DRAWINGS	DJB	11/1/11
2	REVIEW DRAWINGS	DJB	9/2/11
1	REVISION 1	DJB	10/23/09
0	Permit Drawings	DJB	9/23/09

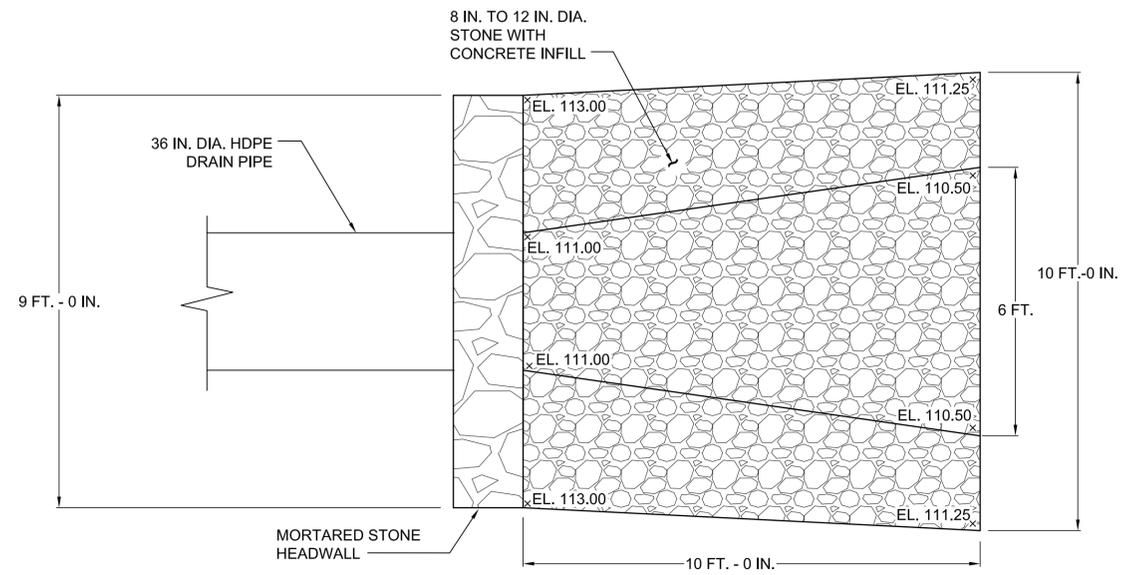
WILSON MILL DAM
 Bedford, Massachusetts

PRIMARY CULVERT AND WALLS 1 AND 2

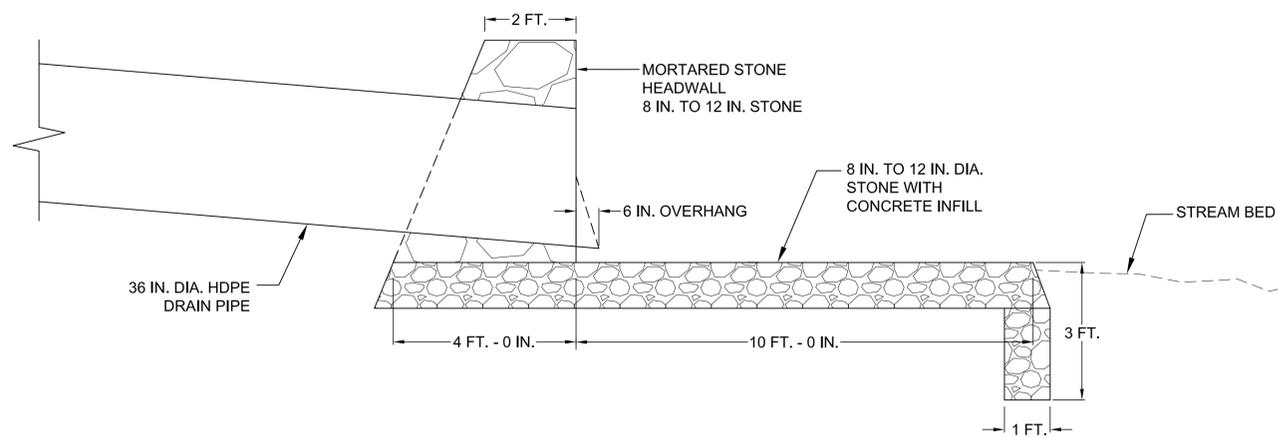
C-11



**HEADWALL FOR OVERFLOW CULVERT
 ELEVATION**



**LEVEL SPREADER
 PLAN**



**OVERFLOW CULVERT HEADWALL
 SECTION**



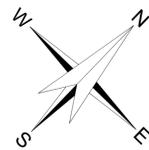
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Date:	23 SEPTEMBER 2009
Autocad File:	35094-012-D112.DWG
Drawn By:	KBM
Designed By:	KBM
Checked By:	DJB
Approved By:	ADS

Rev.	Description	By	Date
4	FOR CONSTRUCTION	DJB	3/1/12
3	BID DRAWINGS	DJB	11/1/11
2	REVIEW DRAWINGS	DJB	9/2/11
1	REVISION 1	DJB	10/23/09
0	Permit Drawings	DJB	9/23/09

**WILSON MILL
 DAM**
 Bedford, Massachusetts

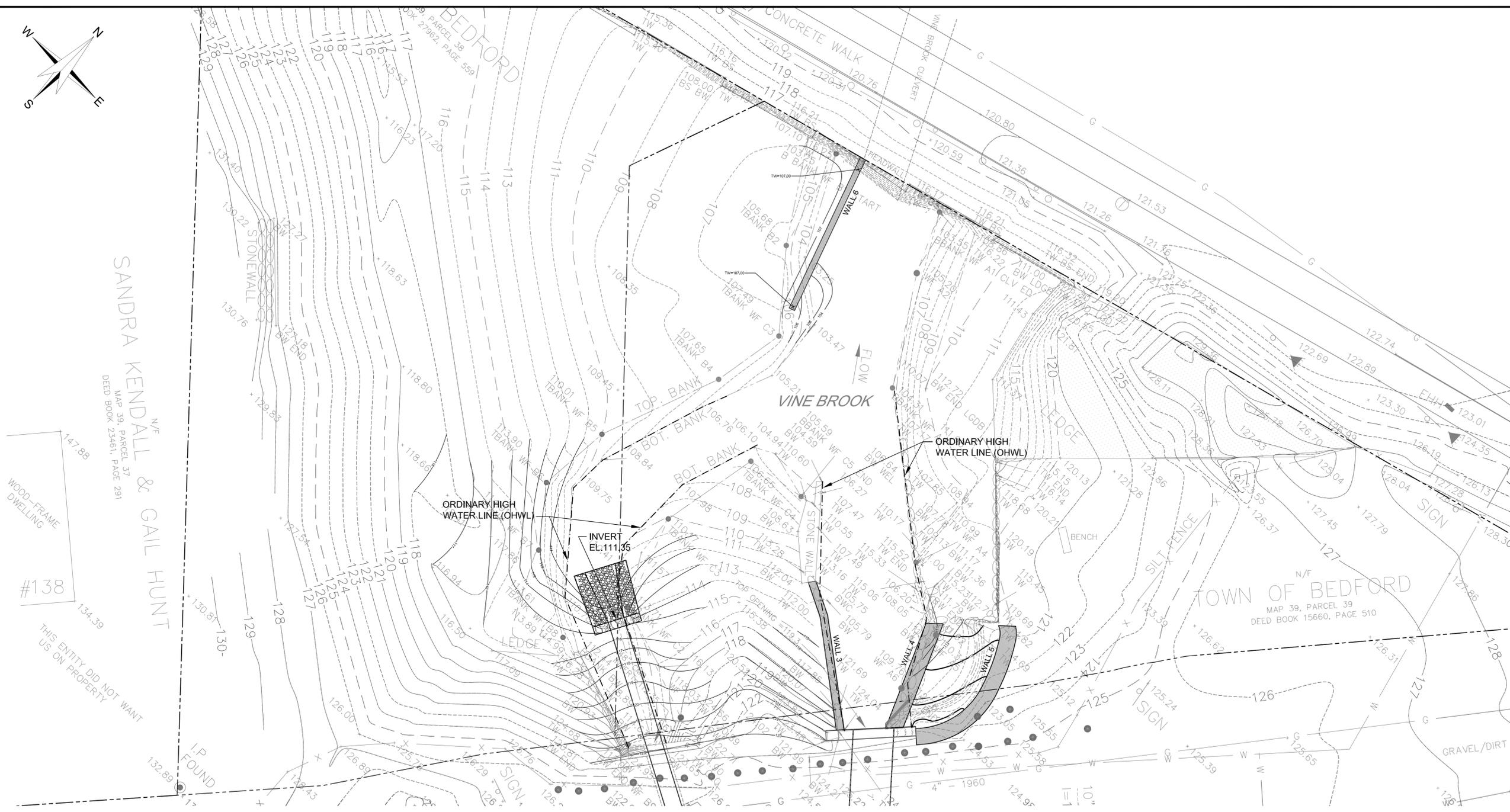
**OVERFLOW
 CULVERT**

C-12



HALEY & ALDRICH

465 Medford Street, Suite 2200
 Boston, Massachusetts
 Tel: 617.886.7400
 Fax: 617.886.7600
 Website: www.HaleyAldrich.com



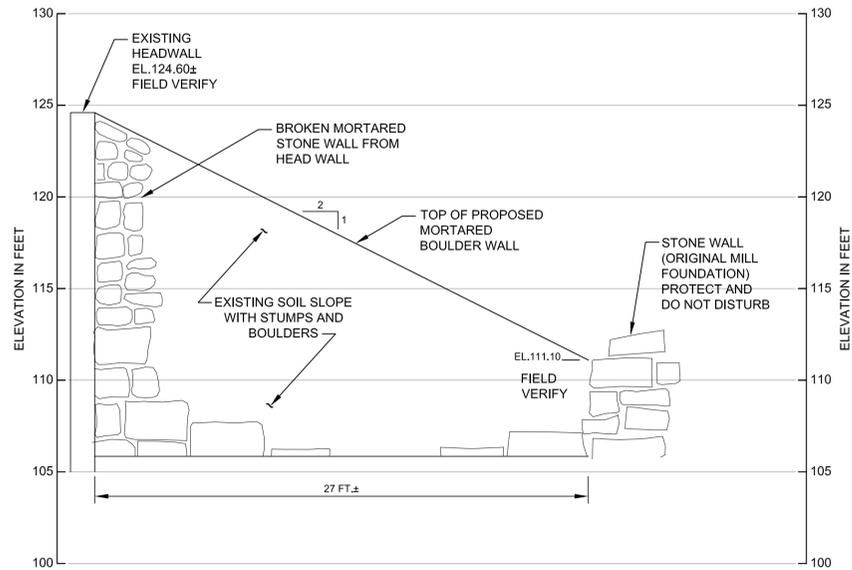
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Date:	23 DECEMBER 2008
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Rev.	Description	By	Date
3	FOR CONSTRUCTION	DJB	3/1/12
2	BID DRAWINGS	DJB	11/1/11
1	REVIEW DRAWING	DJB	9/2/11
0	REVISION 1	DJB	10/23/09

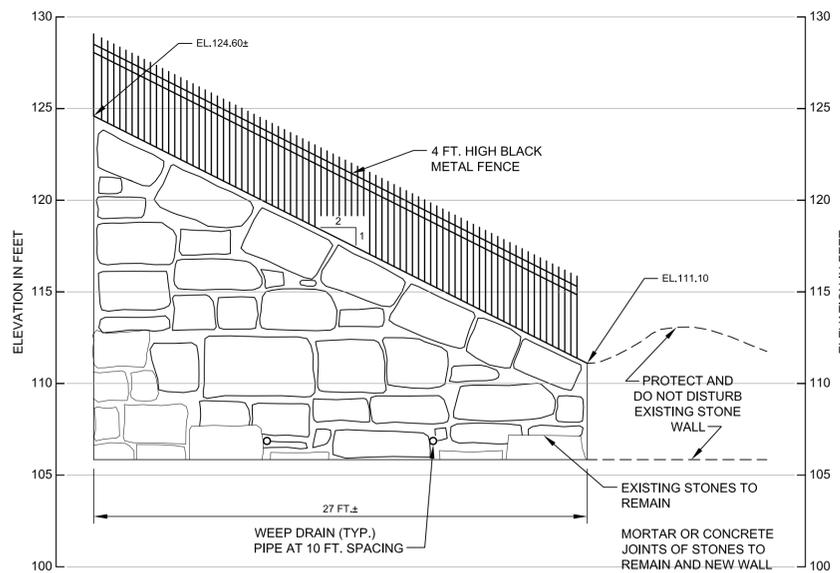
WILSON MILL DAM
 Bedford, Massachusetts

DOWNSREAM GRADING

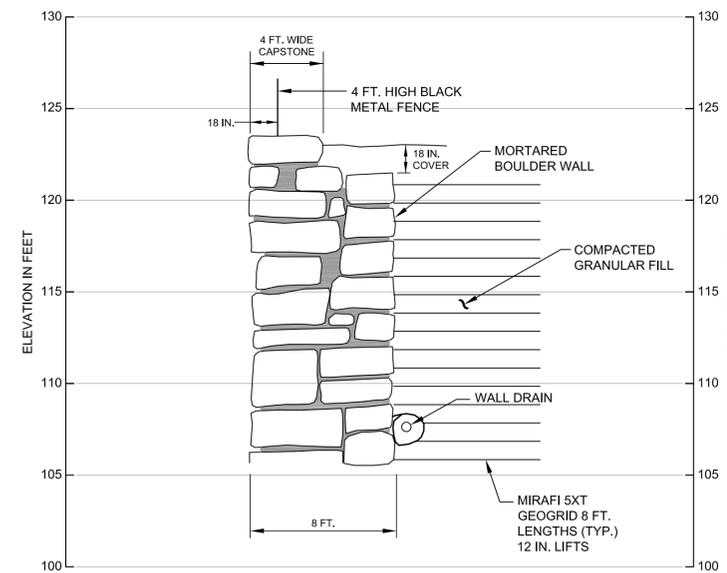
C-13



**EXISTING CONDITIONS
 WALL 3**



**WALL 3
 ELEVATION**



NOTES:

1. WALL DRAIN TO BE 4 IN. DIAMETER PERFORATED DRAIN PIPE BEDDED IN MIN. 6 IN. OF 1-1/2 CRUSHED STONE WRAPPED IN 6 OZ. NON-WOVEN FILTER FABRIC
2. FENCE POSTS EXTEND MIN. 24 IN. BELOW TOP OF WALL AND ENCASED IN CONCRETE PER MANUFACTURER'S RECOMMENDATIONS.

**WALL 3
 SECTION**



Project No.:	35094-010
Scale:	AS SHOWN
Date:	23 SEPTEMBER 2009
Autocad File:	35094-012-D114.DWG
Drawn By:	DTE
Designed By:	DJB
Checked By:	DJB
Approved By:	ADS

Rev.	Description	By	Date
4	FOR CONSTRUCTION	DJB	3/1/12
3	BID DRAWINGS	DJB	11/1/11
2	REVIEW DRAWINGS	DJB	9/2/11
1	REVISION 1	DJB	3/30/10
0	PERMIT DRAWINGS	DJB	9/23/09

**WILSON MILL
 DAM**
 Bedford, Massachusetts

WALL 3

C-14

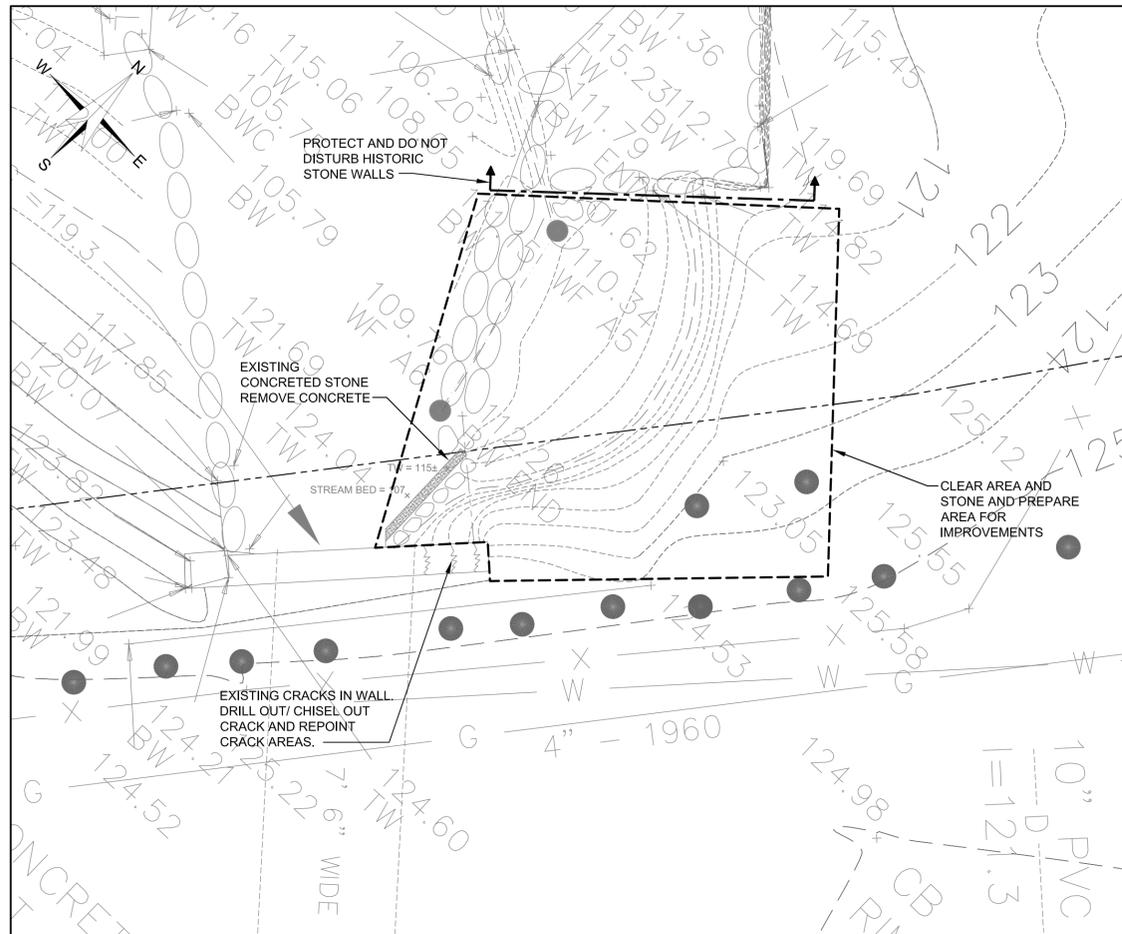
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Designed By:	DJB
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Approved By:	ADS

Rev.	Description	By	Date
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1	BID DRAWINGS	DJB	11/1/11
0	REVIEW DRAWINGS	DJB	9/2/11

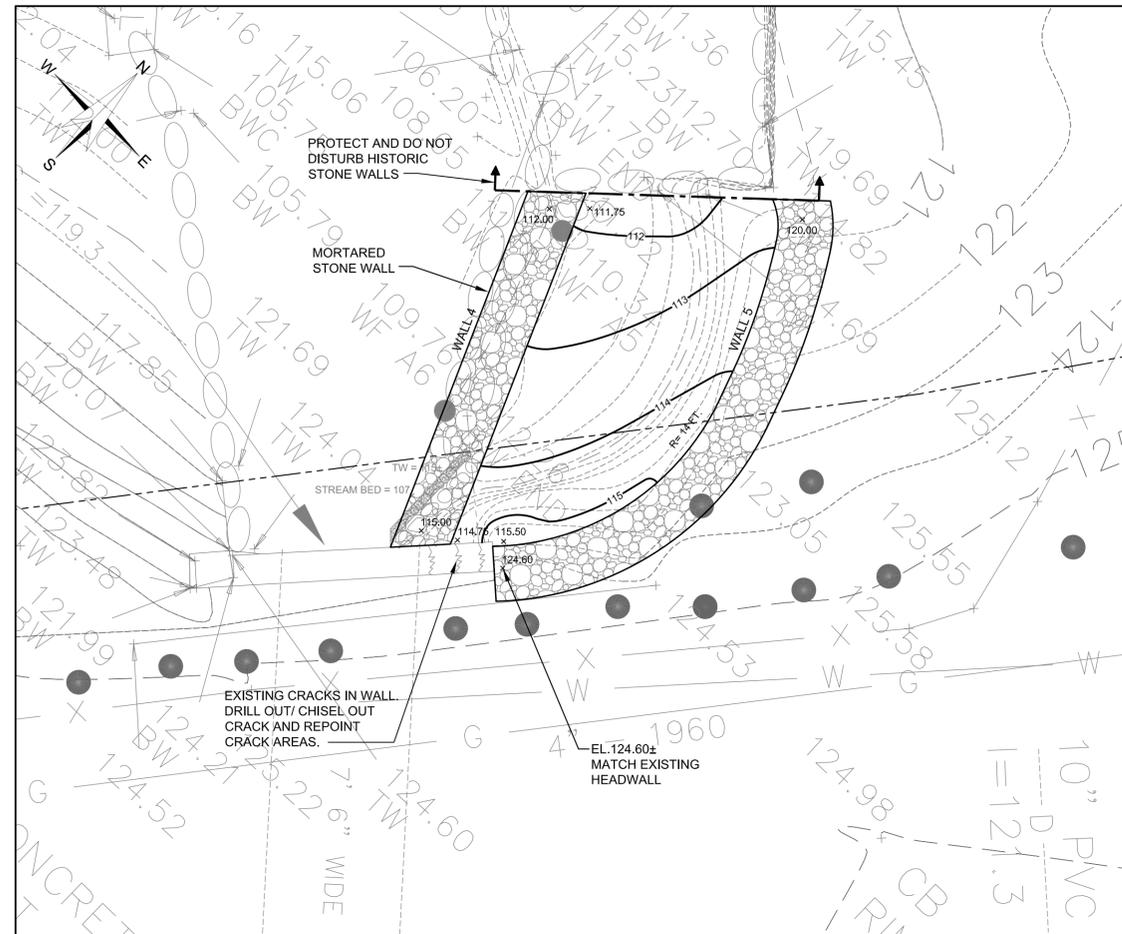
WILSON MILL DAM
 Bedford, Massachusetts

WALLS 4 AND 5

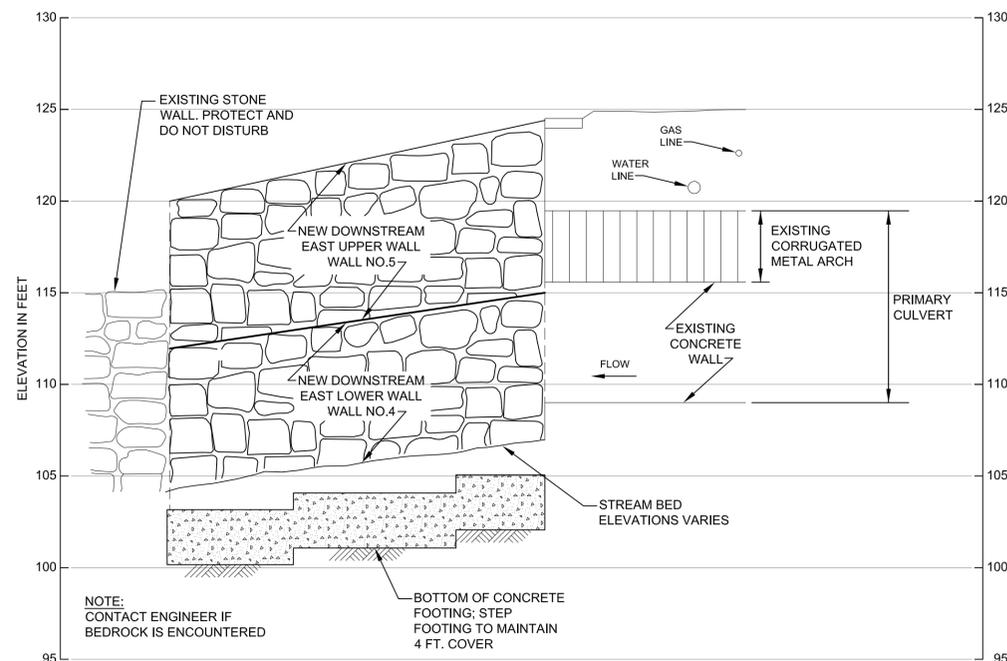
C-15



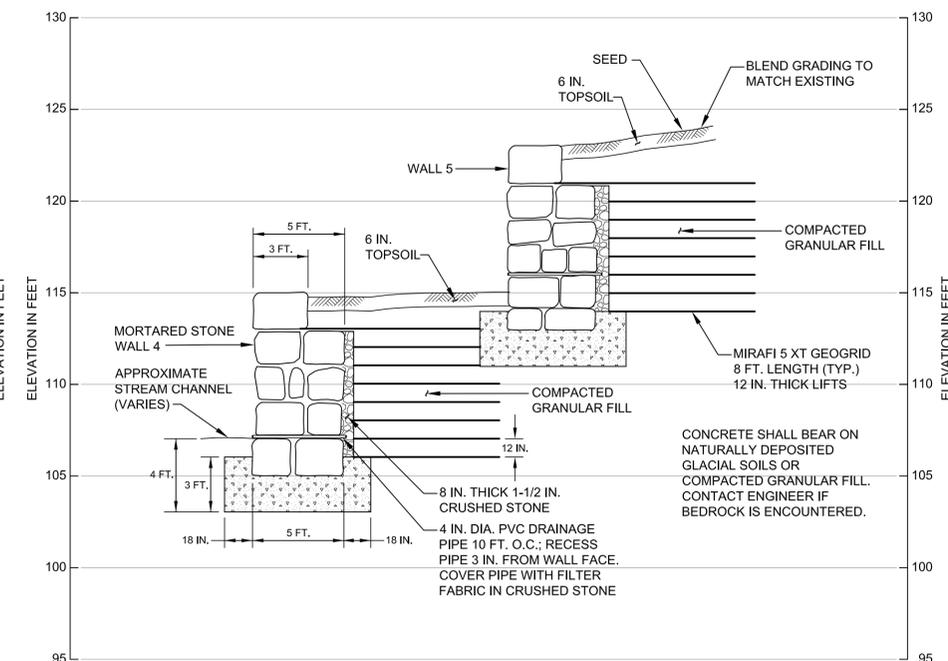
WALLS 4 AND 5 CLEARING PLAN



WALLS 4 AND 5 LAYOUT PLAN

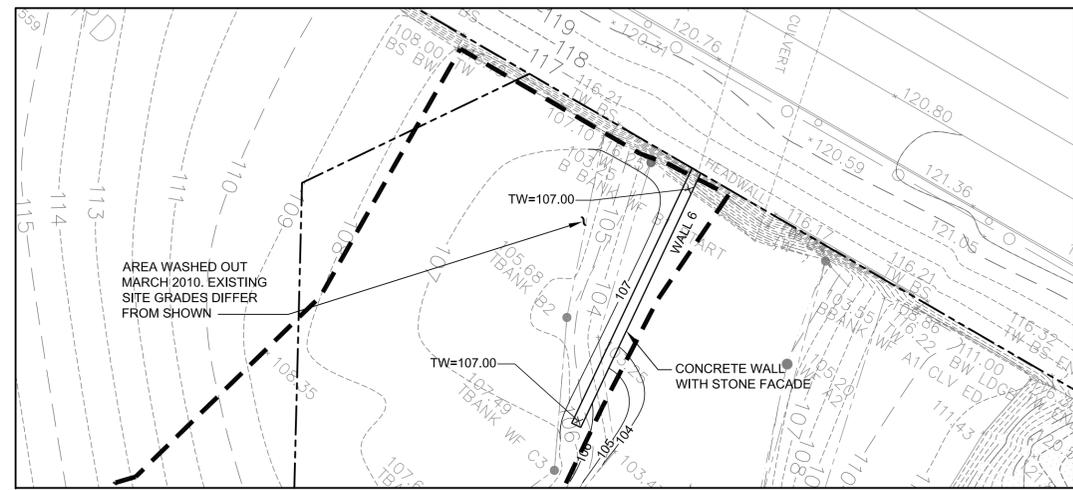


WALLS 4 AND 5 ELEVATION

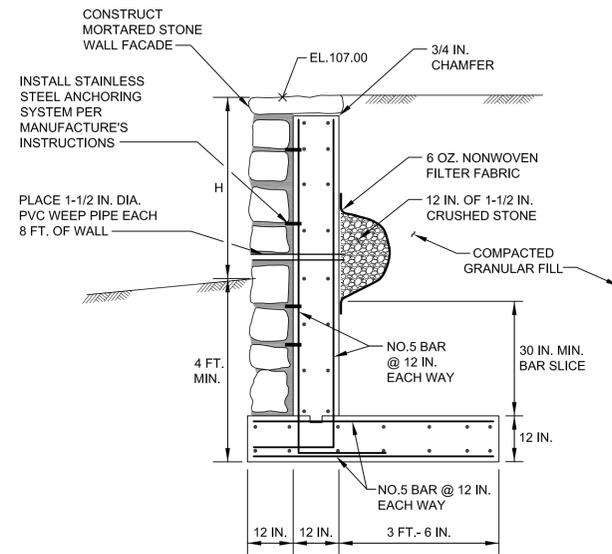


WALLS 4 AND 5 SECTION





WALL 6 PLAN



NOTES:

1. PLACE REINFORCING 3 IN. CLEAR COVER.
2. CONTACT ENGINEER IF BEDROCK ENCOUNTERED.
3. WALL HEIGHT "H" SHALL NOT EXCEED 6 FT.
4. CONCRETE SHALL BEAR ON NATURALLY DEPOSITED GLACIAL SOILS OR COMPACTED GRANULAR FILL. CONTACT ENGINEER IF BEDROCK IS ENCOUNTERED.

WALL 6 SECTION



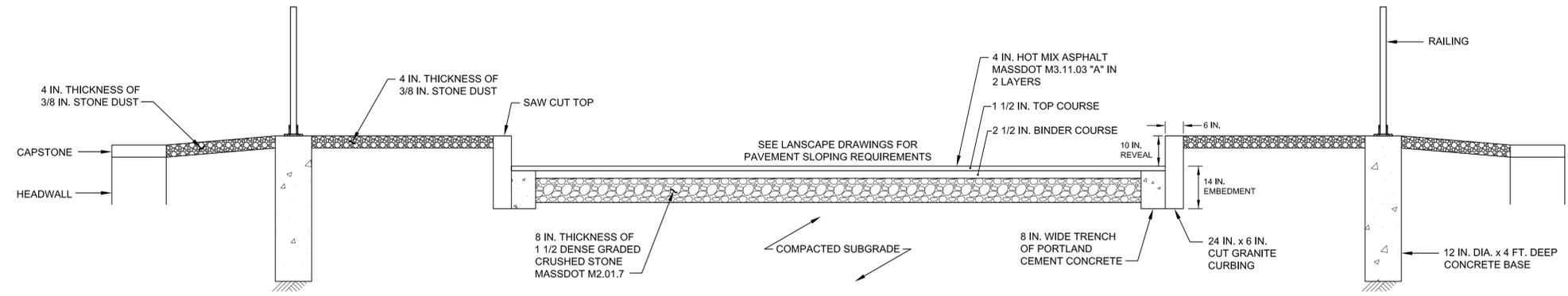
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Date:	23 SEPTEMBER 2009
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Drawn By:	DTE
Designed By:	DJB
Checked By:	DJB
Approved By:	ADS

Rev.	Description	By	Date
2	FOR CONSTRUCTION	DJB	3/1/12
1	BID DRAWINGS	DJB	11/1/11
0	REVIEW DRAWINGS	DJB	9/2/11

WILSON MILL DAM
 Bedford, Massachusetts

WALL 6

C-16



TYPICAL ROADWAY SECTION



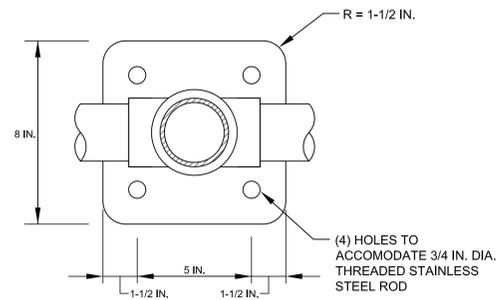
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Rev.	Description	By	Date
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1	BID DRAWINGS	DJB	11/1/11
0	REVIEW DRAWINGS	DJB	9/2/11

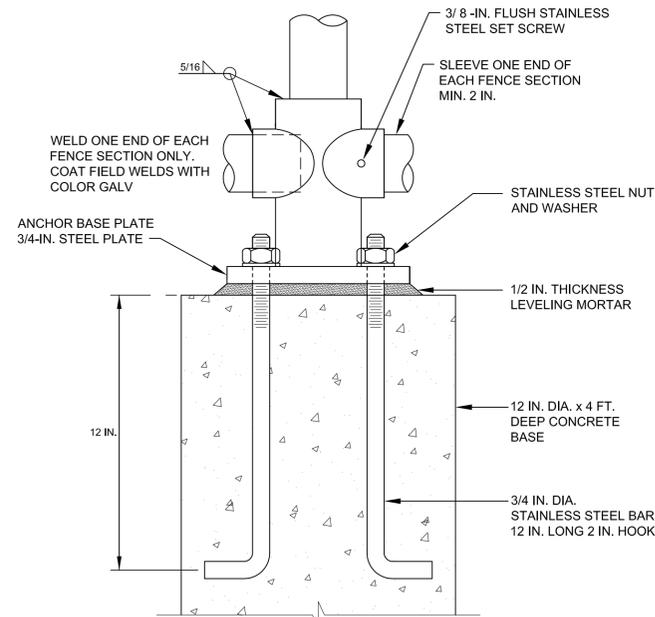
WILSON MILL
 DAM
 Bedford, Massachusetts

ROADWAY
 SECTION

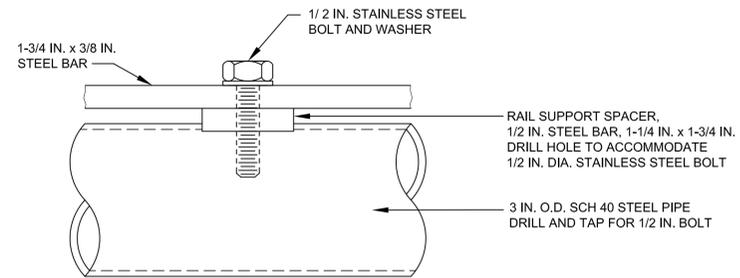
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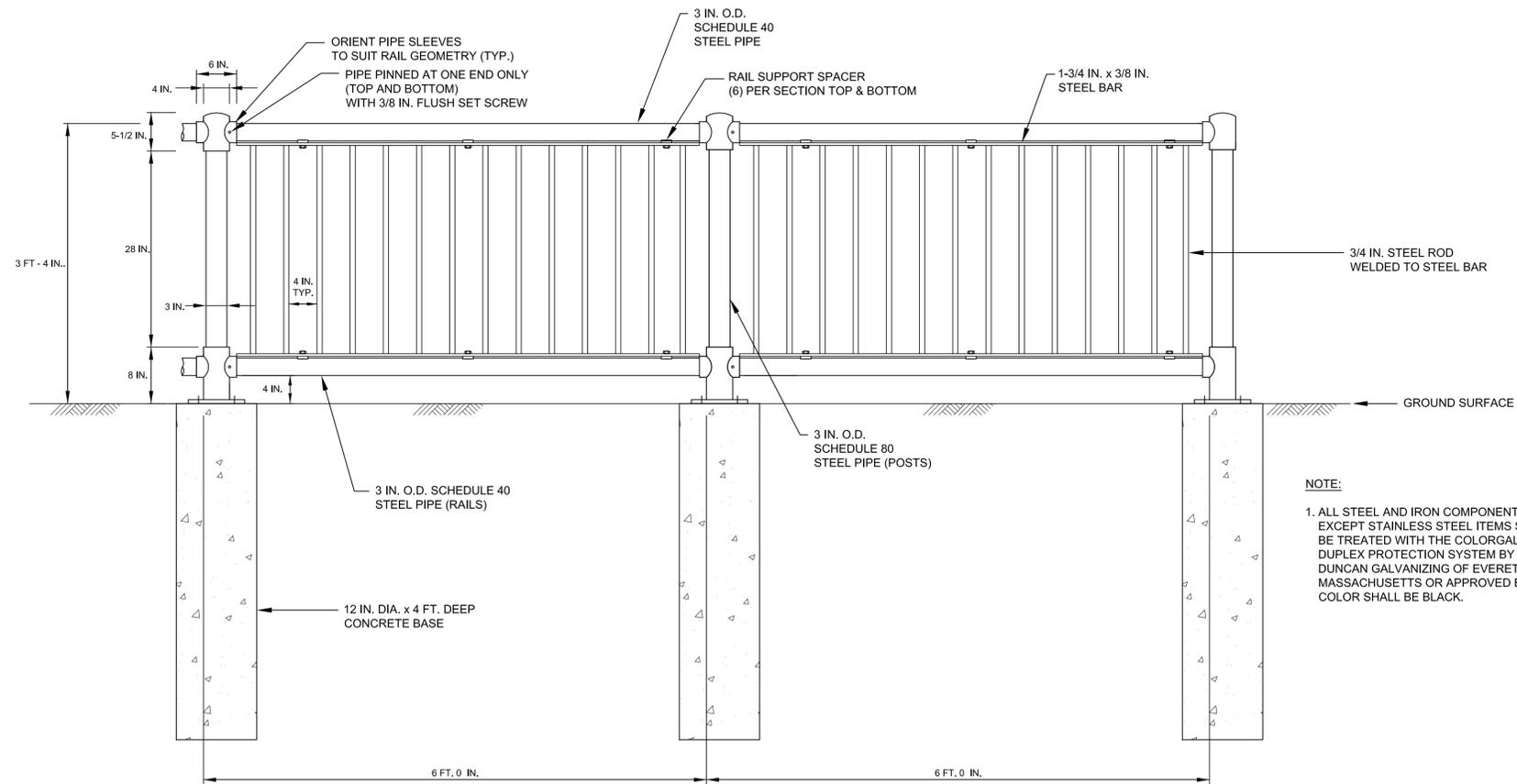
**RAILING BASE PLATE
 PLAN**
 NOT TO SCALE



RAILING POST BASE
 NOT TO SCALE



RAIL SUPPORT SPACER
 NOT TO SCALE



RAILING
 NOT TO SCALE

NOTE:
 1. ALL STEEL AND IRON COMPONENTS EXCEPT STAINLESS STEEL ITEMS SHALL BE TREATED WITH THE COLOR GALV DUPLEX PROTECTION SYSTEM BY DUNCAN GALVANIZING OF EVERETT, MASSACHUSETTS OR APPROVED EQUAL. COLOR SHALL BE BLACK.

Project No.:	35094-010
Scale:	AS SHOWN
Date:	23 SEPTEMBER 2009
Autocad File:	35094-012-D118.DWG
Drawn By:	DTE
Designed By:	DJB
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Approved By:	ADS

Rev.	Description	By	Date
3	FOR CONSTRUCTION	DJB	3/1/12
2	BID DRAWINGS	DJB	11/1/11
1	REVIEW DRAWINGS	DJB	9/2/11
0	PERMIT DRAWINGS	DJB	9/23/09

**WILSON MILL
 DAM**

Bedford, Massachusetts

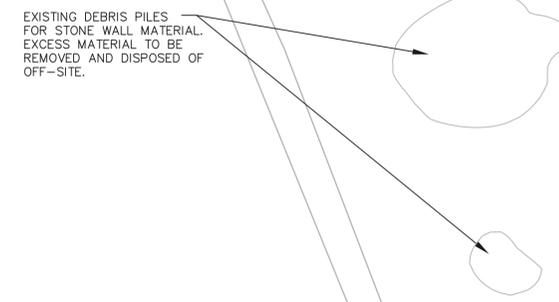
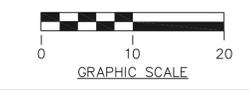
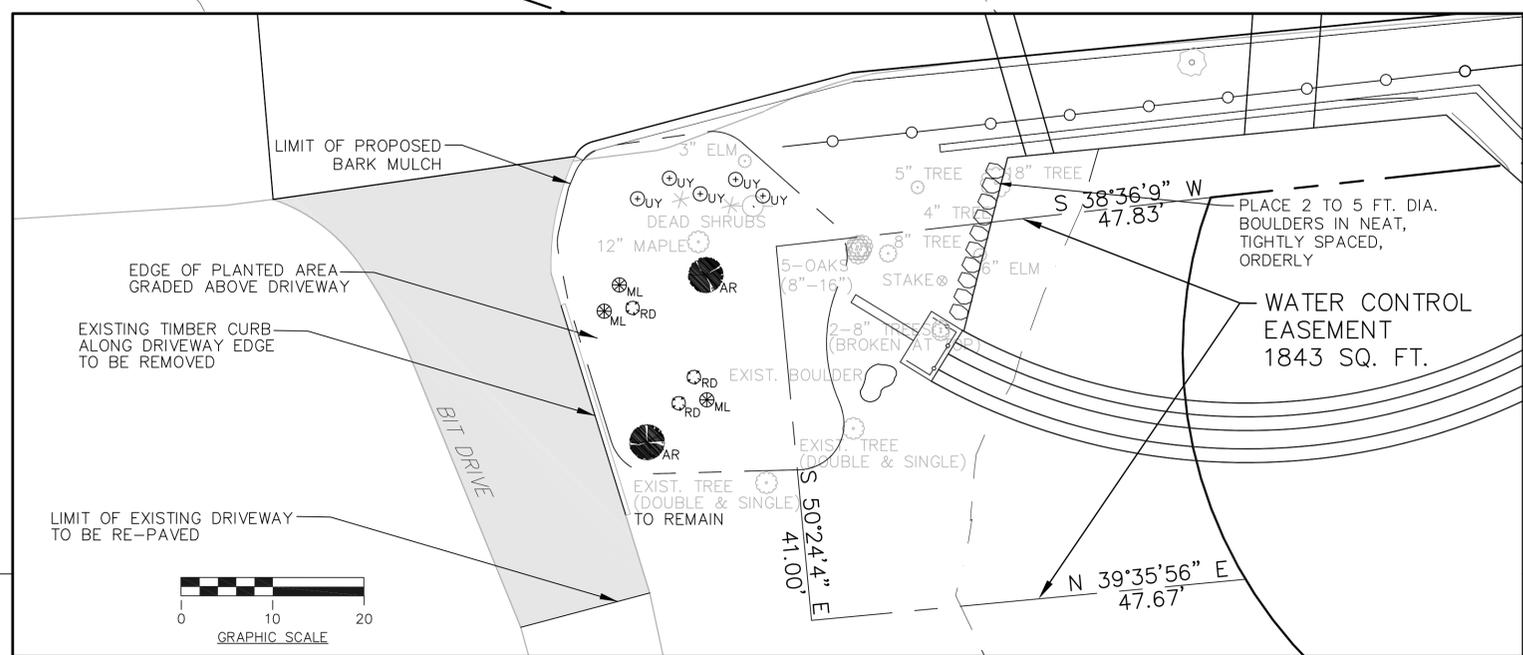
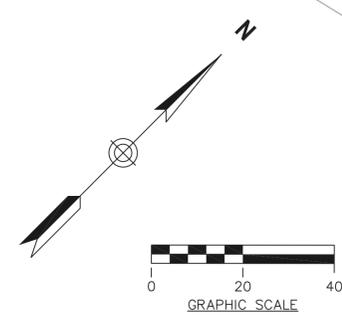
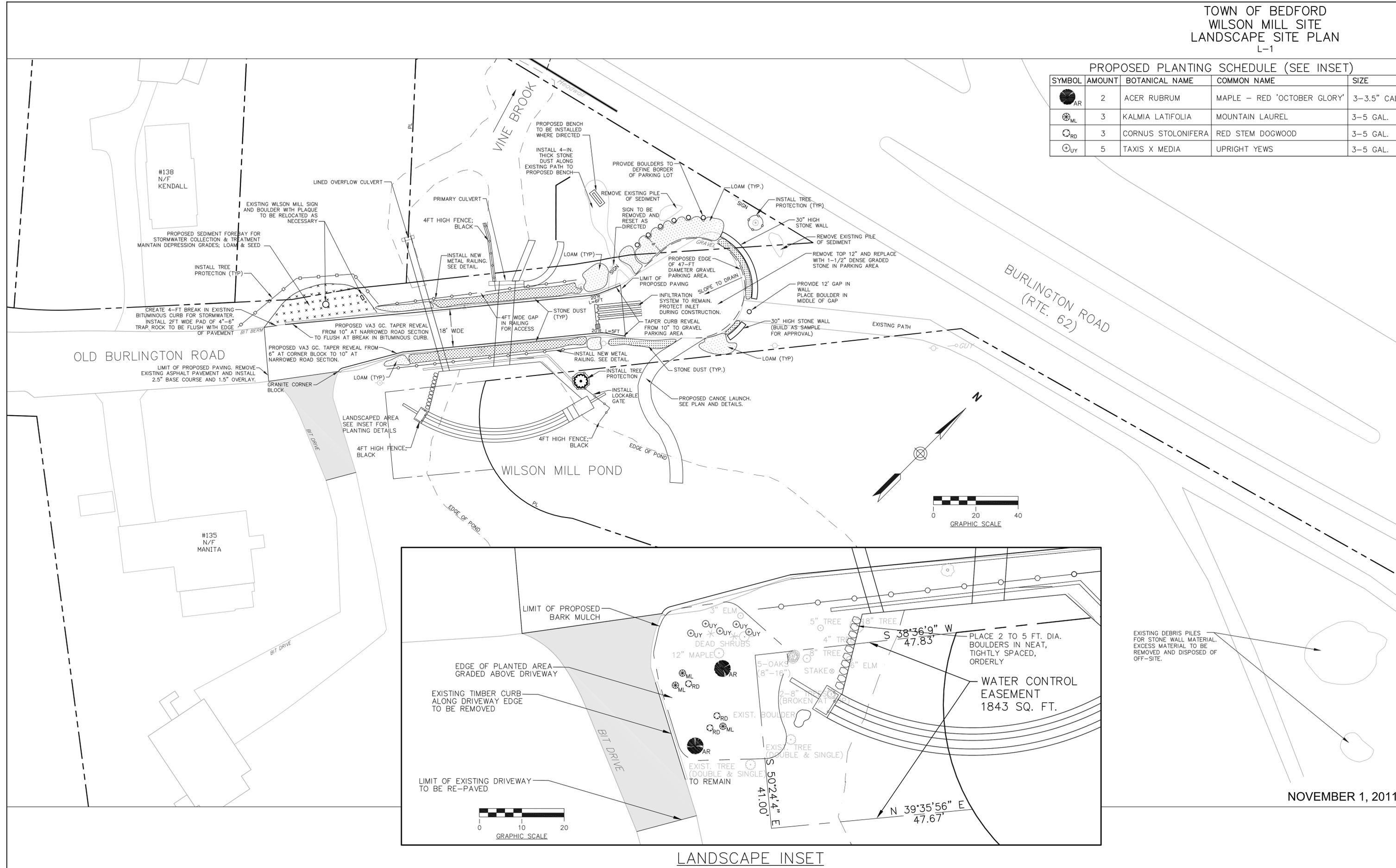
RAILING

C-18

TOWN OF BEDFORD
WILSON MILL SITE
LANDSCAPE SITE PLAN
L-1

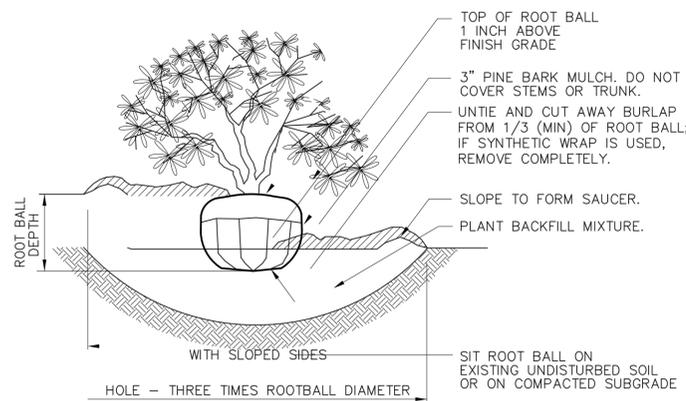
PROPOSED PLANTING SCHEDULE (SEE INSET)

SYMBOL	AMOUNT	BOTANICAL NAME	COMMON NAME	SIZE
AR	2	ACER RUBRUM	MAPLE - RED 'OCTOBER GLORY'	3-3.5" CAL
ML	3	KALMIA LATIFOLIA	MOUNTAIN LAUREL	3-5 GAL.
RD	3	CORNUS STOLONIFERA	RED STEM DOGWOOD	3-5 GAL.
UY	5	TAXIS X MEDIA	UPRIGHT YEWS	3-5 GAL.



NOVEMBER 1, 2011

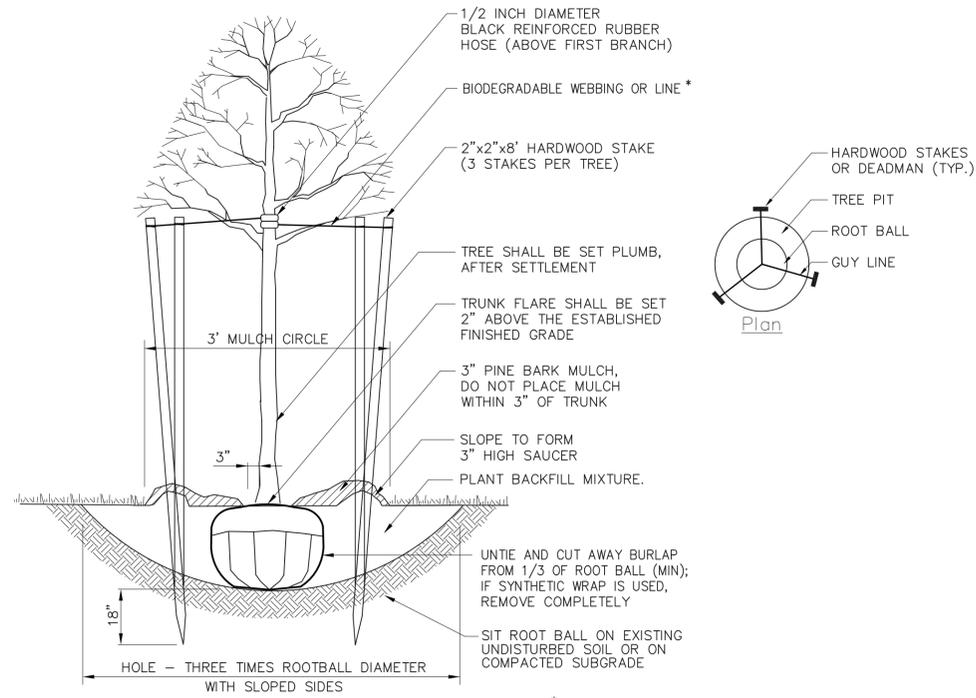
LANDSCAPE INSET



NOTE: LOOSEN ROOTS AT THE OUTER EDGE OF ROOTBALL OF CONTAINER GROWN SHRUBS.

SHRUB PLANTING

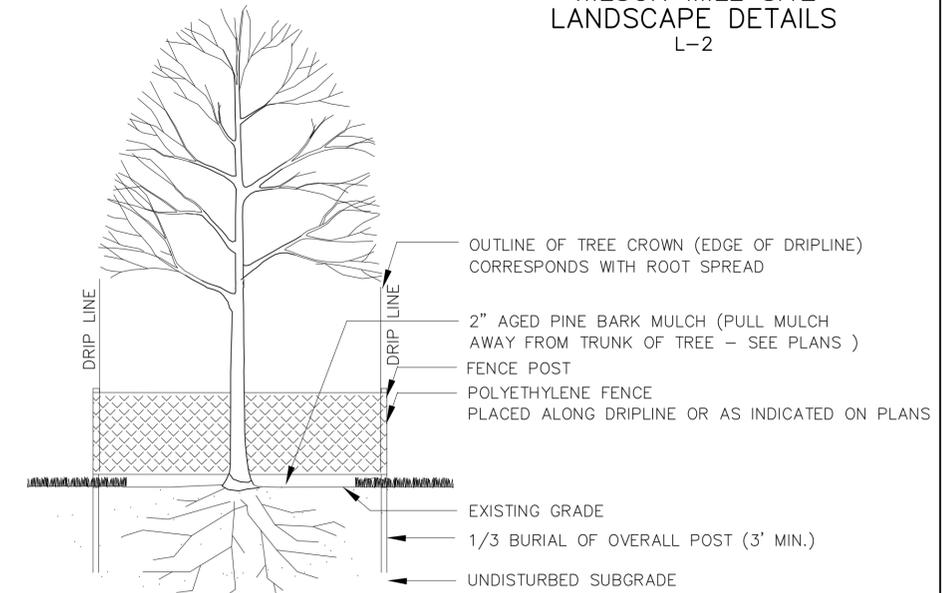
SCALE: NOT TO SCALE



*STAKES AND BIODEGRADEABLE WEBBING OR LINE SHALL BE USED FOR TREE PLANTINGS ON SLOPES GREATER THAN 3:1 AND AS REQUIRED BY THE ENGINEER

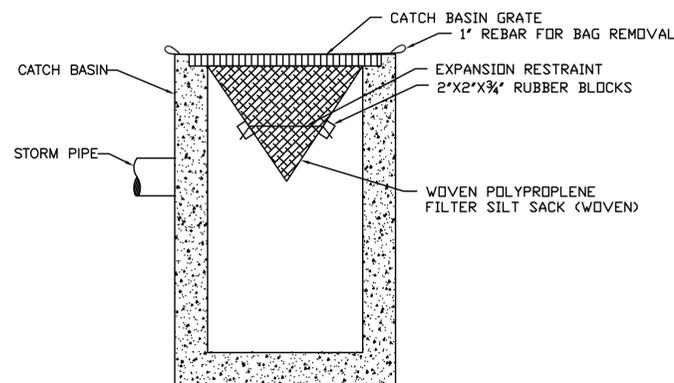
TREE PLANTING
(FOR TREES UNDER 4" CALIPER)

SCALE: NOT TO SCALE



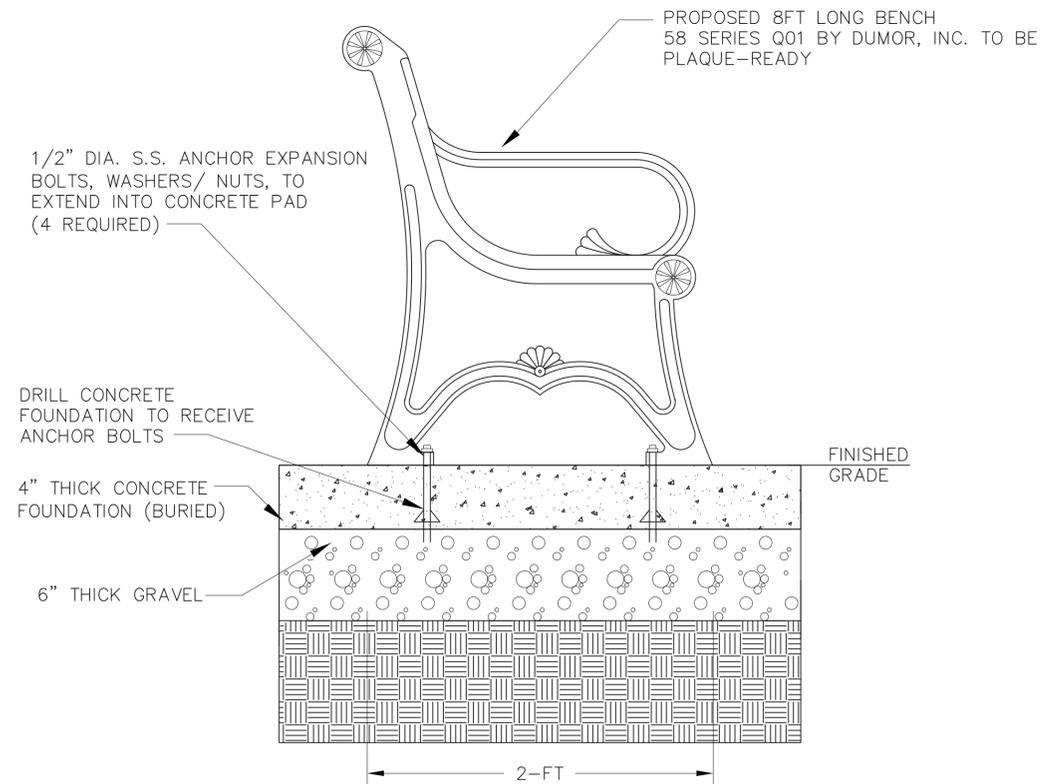
INDIVIDUAL
TREE PROTECTION

SCALE: NOT TO SCALE



INLET PROTECTION

SCALE: NOT TO SCALE



BENCH & FOUNDATION DETAIL

SCALE: NOT TO SCALE

