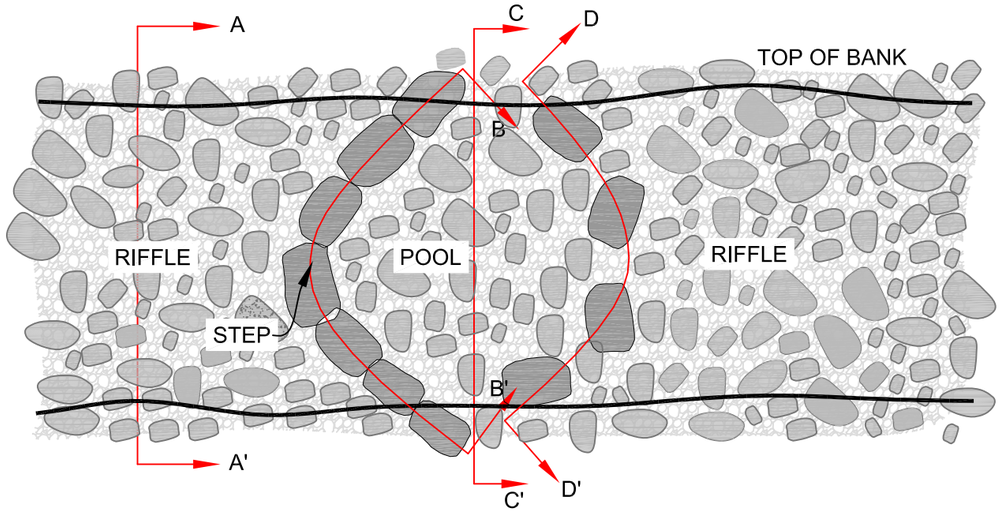
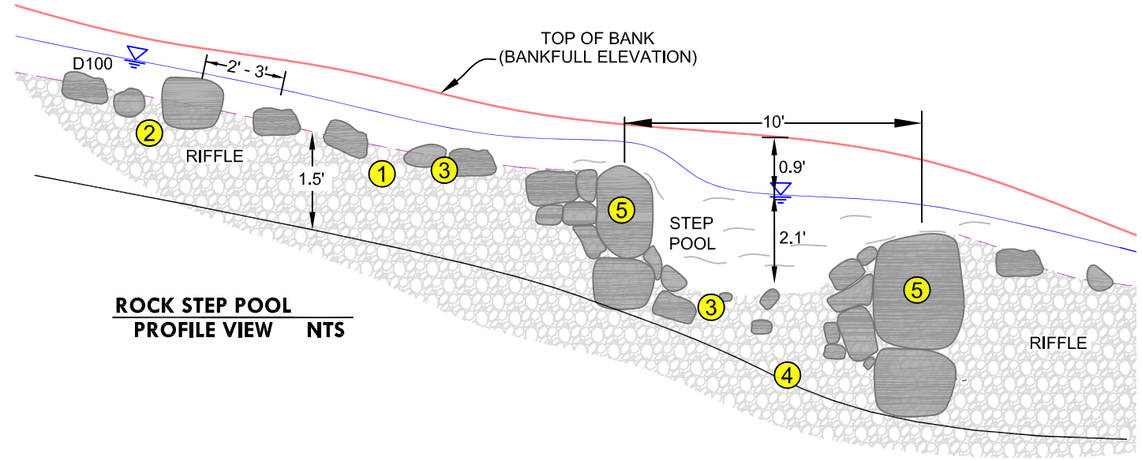
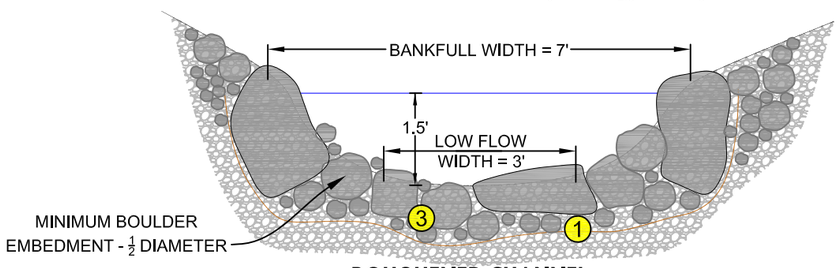


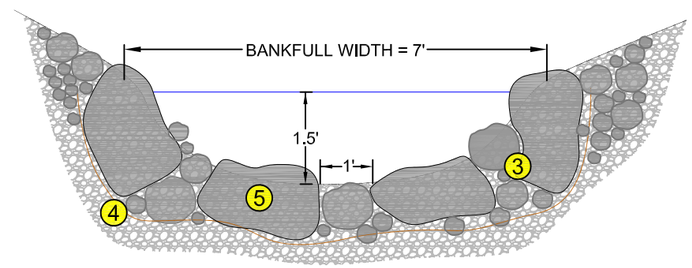
ROCK STEP POOL
PLAN VIEW 0' 2.5' 5'



ROCK STEP POOL
PROFILE VIEW NTS

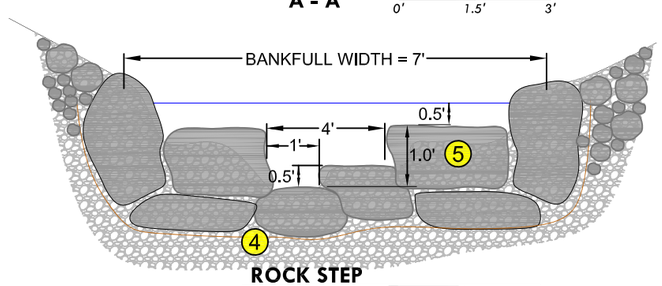


ROUGHENED CHANNEL
A - A' 0' 1.5' 3'

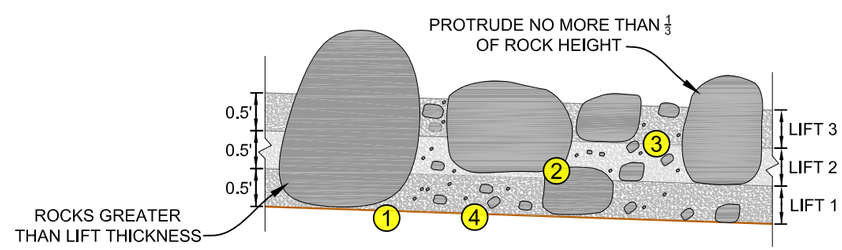


POOL TAILOUT
D - D' 0' 1.5' 3'

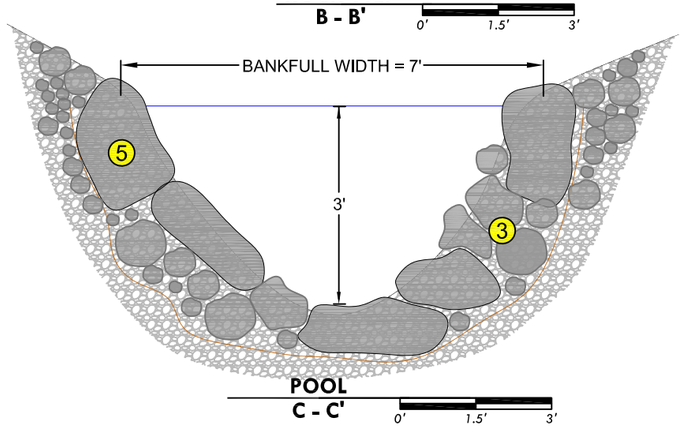
RIFFLE ROCK GRADATION	
PERCENT PASSING	SIZE RANGE (INCHES
100	18
85	15-18
50	12-15
30	6-12
15	3-6



ROCK STEP
B - B' 0' 1.5' 3'



ROUGHENED RIFFLE CONSTRUCTION DETAIL
D - D' 0' 1.5' 3'



POOL
C - C' 0' 1.5' 3'

CONSTRUCTION NOTES

1. EXCAVATE CHANNEL TO SUBGRADE ELEVATION.
2. PLACE RIFFLE ROCK IN SIX INCH LIFTS AND COMPACT USING EQUIPMENT BUCKET.
3. WASH FINES INTO RIFFLE ROCK TO FILL VOIDS AND SEAL RIFFLE BED.
4. PLACE FILTER FABRIC BENEATH CHANNEL AT SUBGRADE ELEVATION.
5. PLACE 24 TO 36 INCH BOULDERS AROUND POOL PERIMETER

APPLICABLE TECHNICAL SPECIFICATIONS

01300	SUBMITTALS
01400	CONSTRUCTION STAKING
01560	ENVIRONMENTAL CONTROLS
01600	PROTECTION OF MATERIALS
02140	DEWATERING AND WORK AREA ISOLATION
02160	SITE PREPARATION
02200	EARTHWORK
05001	CHANNEL AND FLOODPLAIN FILL

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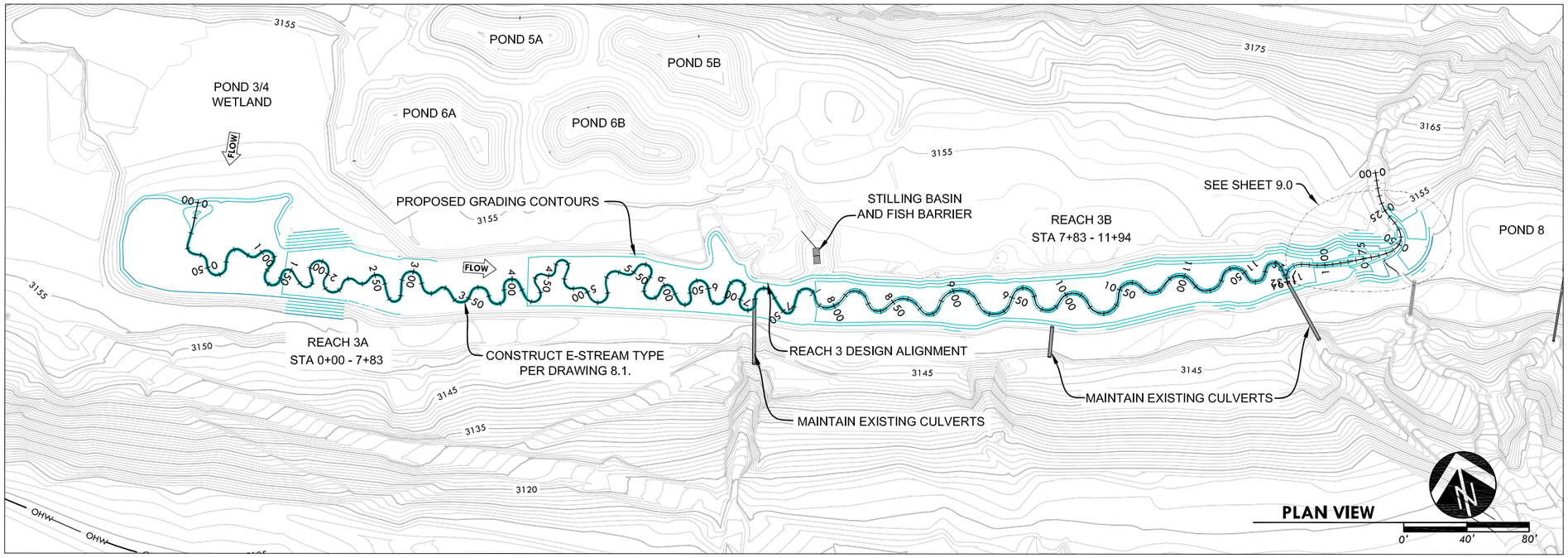
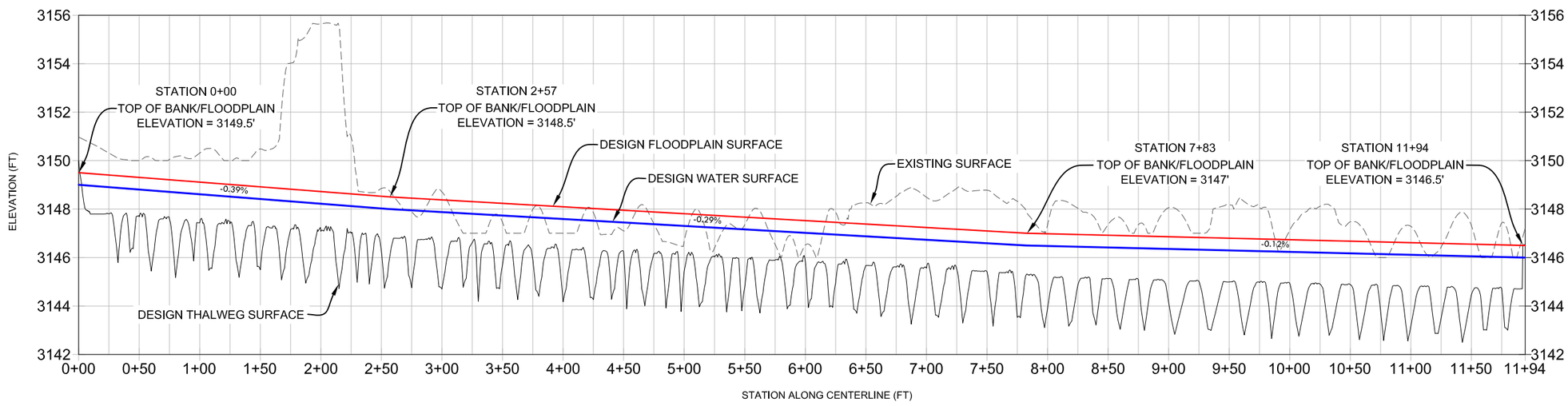
STEP POOL AND ROUGHENED RIFFLE DETAIL

NO.	DATE	BY	DESCRIPTION	CHK
1	7-01-13	NW	95% Design	MD
2	11-12-14	NW	FINAL DESIGN	MD

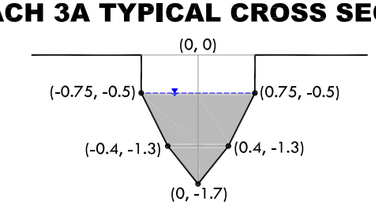
PROJECT NUMBER
RDG-13-004

SHEET NUMBER
7.1



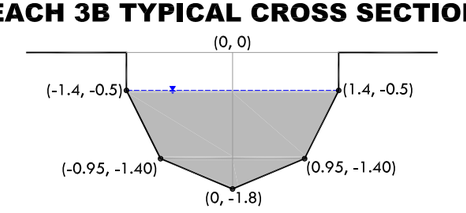


REACH 3A TYPICAL CROSS SECTION



SECTION VIEW
0' 1' 2'

REACH 3B TYPICAL CROSS SECTION



PROFILE VIEW
0' 50' 100'
5' 2.5' 0'

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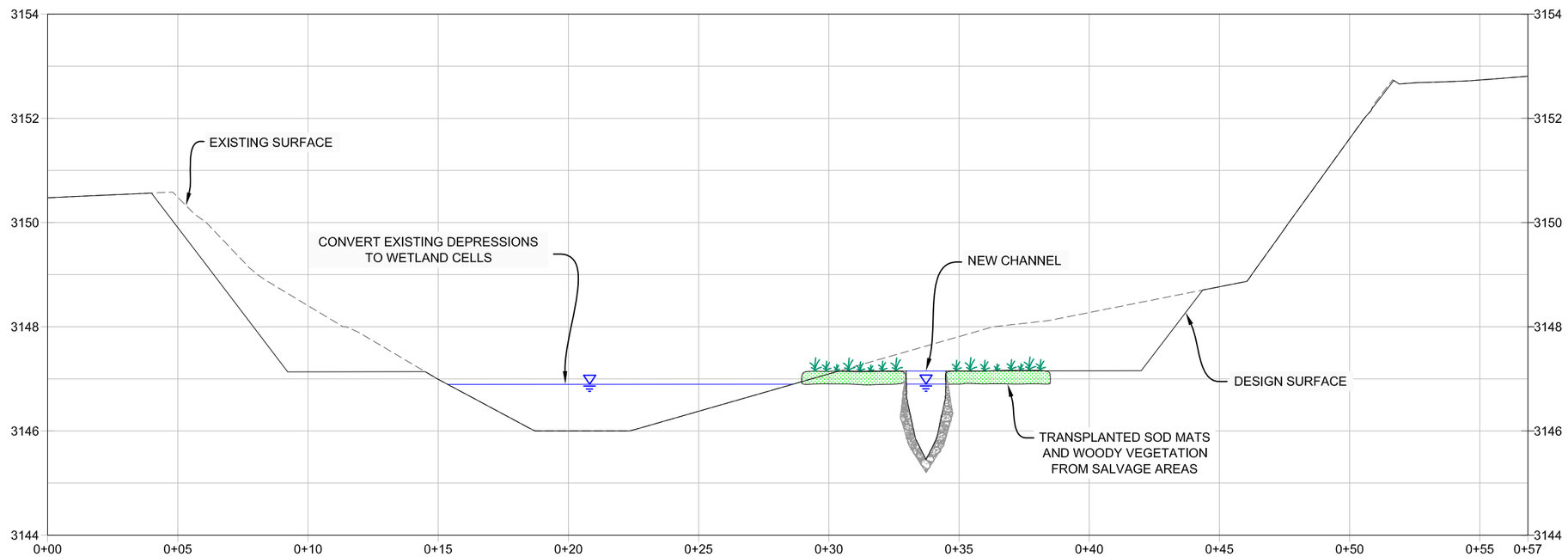
REACH 3 PLAN AND PROFILE

NO.	DATE	BY	DESCRIPTION	CHK
1	4-15-13	NW	Preliminary Design - 65%	CN
2	07-01-13	NW	95% Design	CN
3	11-12-14	NW	FINAL DESIGN	MD

PROJECT NUMBER
RDG-13-004

SHEET NUMBER
8.0



TYPICAL CHANNEL CONSTRUCTION DETAIL
PROFILE VIEW

0' 2.5' 5'

0' 1.25' 2.5'

PHOTOGRAPHS OF SIMILAR CHANNELS

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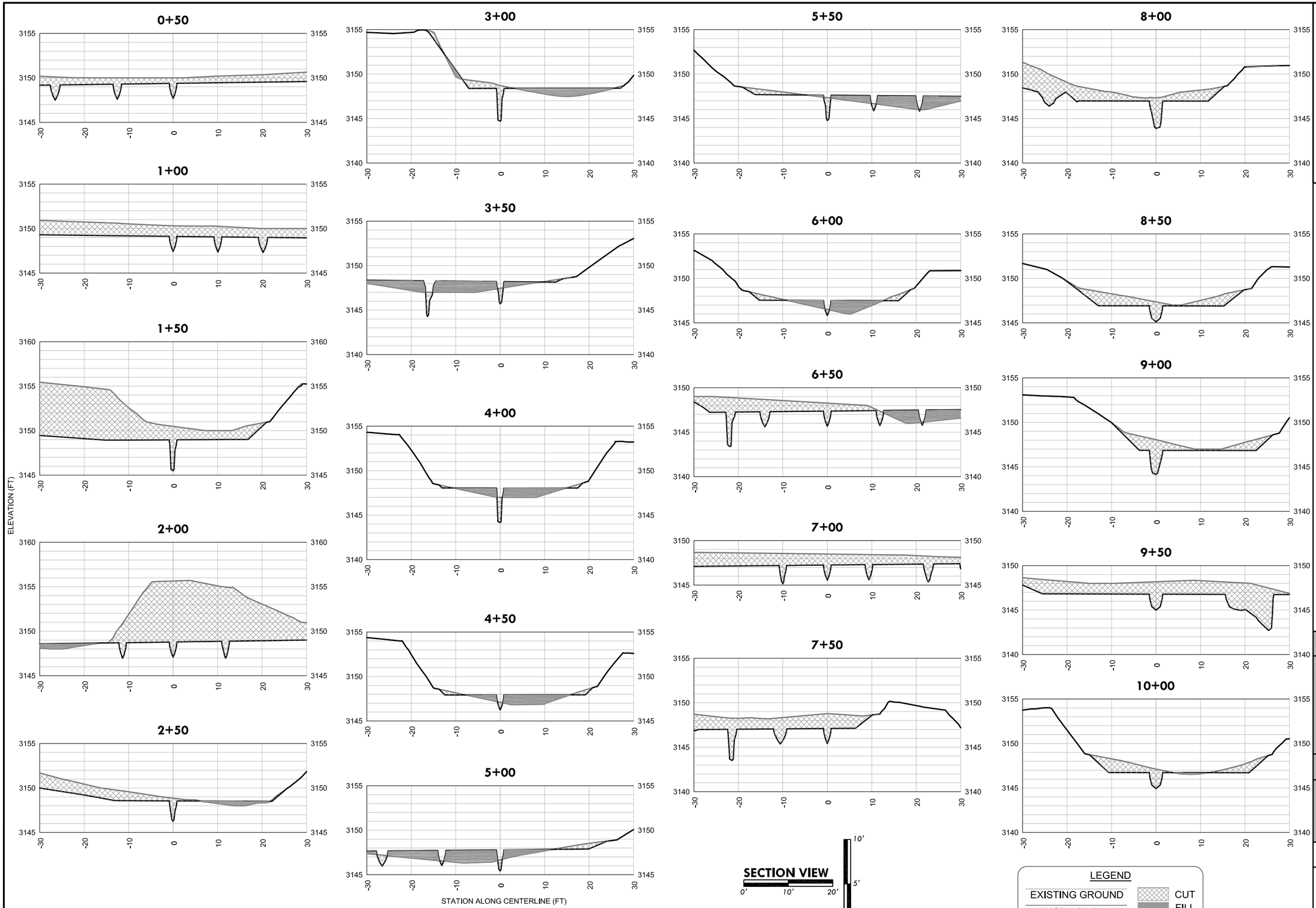
REACH 3 STREAMBANK CONSTRUCTION DETAIL

NO.	DATE	BY	DESCRIPTION	CHK
1	4-30-13	JL	Preliminary Design - 65%	CN
2	7-01-13	JL	95% Design	MD
3	11-12-14	NW	FINAL DESIGN	MD

PROJECT NUMBER
RDG-13-004

SHEET NUMBER
8.1



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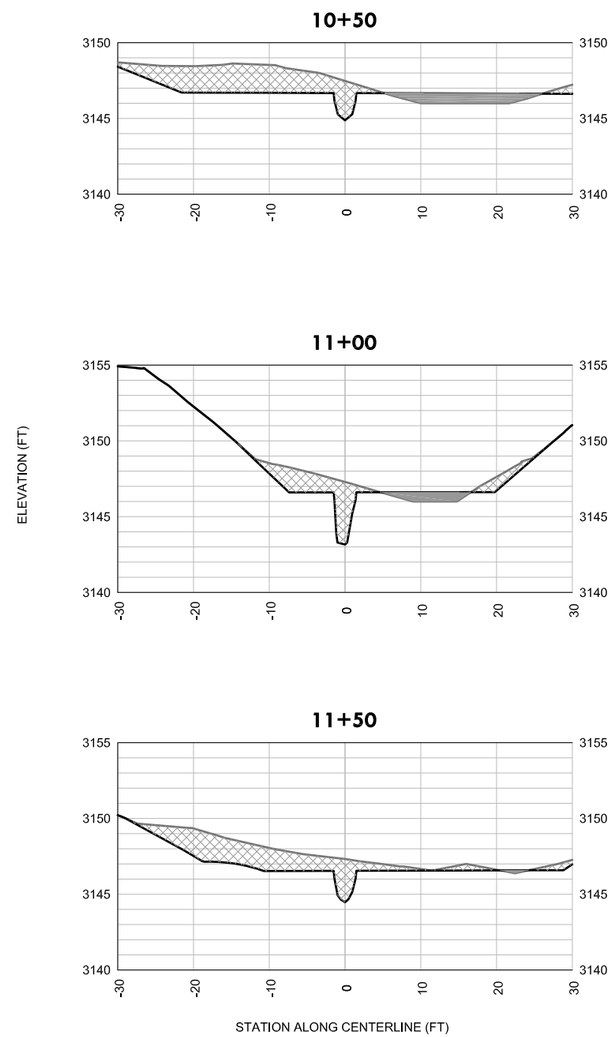
REACH 3 CROSS SECTIONS

NO.	DATE	BY	DESCRIPTION	CHK
1	07-01-13	NW	95% Design	CN
2	11-12-14	NW	FINAL DESIGN	NW

PROJECT NUMBER
RDG-13-004

SHEET NUMBER
8.2



LEGEND

EXISTING GROUND	CUT
DESIGN GROUND	FILL

SECTION VIEW

0' 10' 20'

10' 5' 0'

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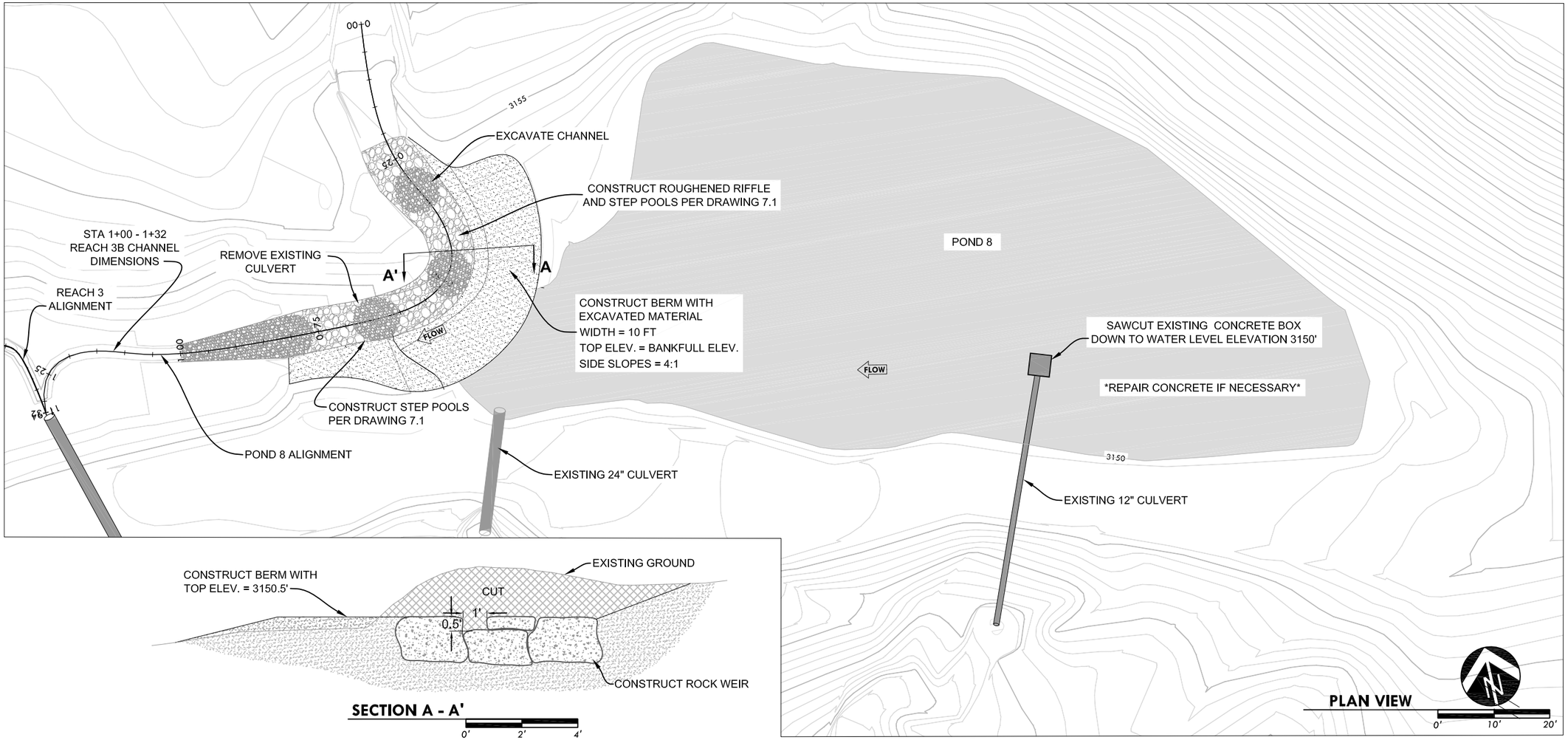
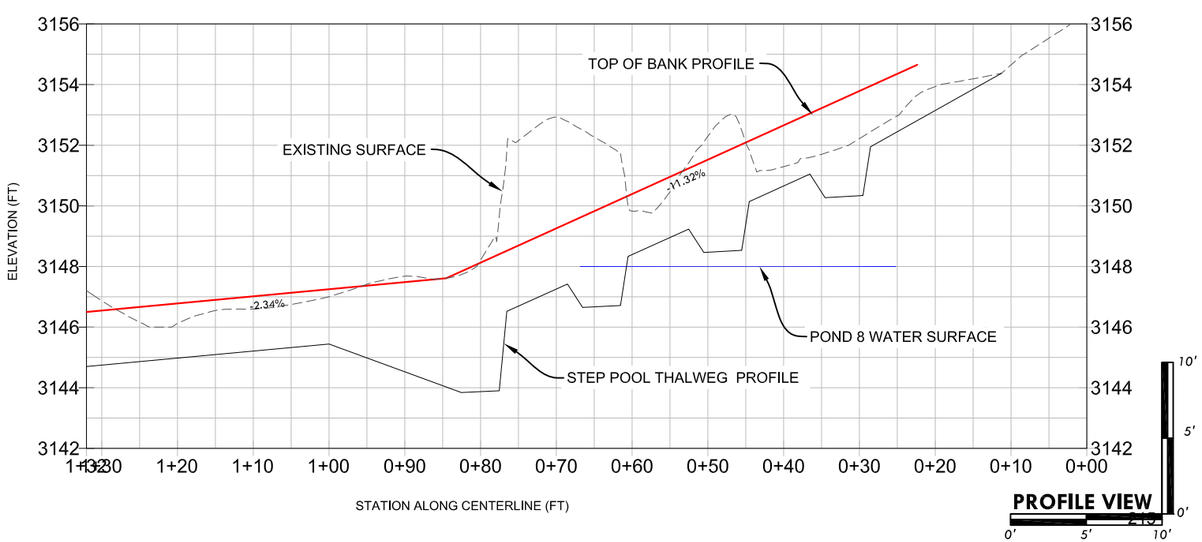
REACH 3 CROSS SECTIONS

NO.	DATE	BY	DESCRIPTION	CHK
1	07-01-13	NW	95% Design	CN
2	11-12-14	NW	FINAL DESIGN	NW

PROJECT NUMBER
RDG-13-004

SHEET NUMBER
8.3





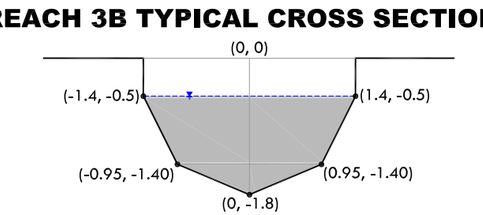
POND 8 INFLOW CHANNEL ELEVATIONS

STATION (FT)	TOP OF BANK (FT)	THALWEG (FT)
0+11	3155.9	3154.4
0+29	3154.0	3152.0
0+30	3153.8	3150.3
0+35	3153.3	3150.3
0+37	3153.0	3151.1
0+45	3152.1	3150.1
0+46	3152.0	3148.5
0+51	3151.5	3148.5
0+53	3151.2	3149.2
0+61	3150.3	3148.3
0+62	3150.2	3146.7
0+67	3149.6	3146.7
0+69	3149.4	3147.4
0+77	3148.5	3146.5
0+78	3148.4	3143.9
0+83	3147.8	3143.8
1+00	3147.2	3145.4
1+32	3146.5	3144.7

APPLICABLE TECHNICAL SPECIFICATIONS

01560 ENVIRONMENTAL CONTROLS
02140 DEWATERING AND WORK AREA ISOLATION
02160 SITE PREPARATION
02180 STRUCTURE REMOVAL
02200 EARTHWORK

REACH 3B TYPICAL CROSS SECTION



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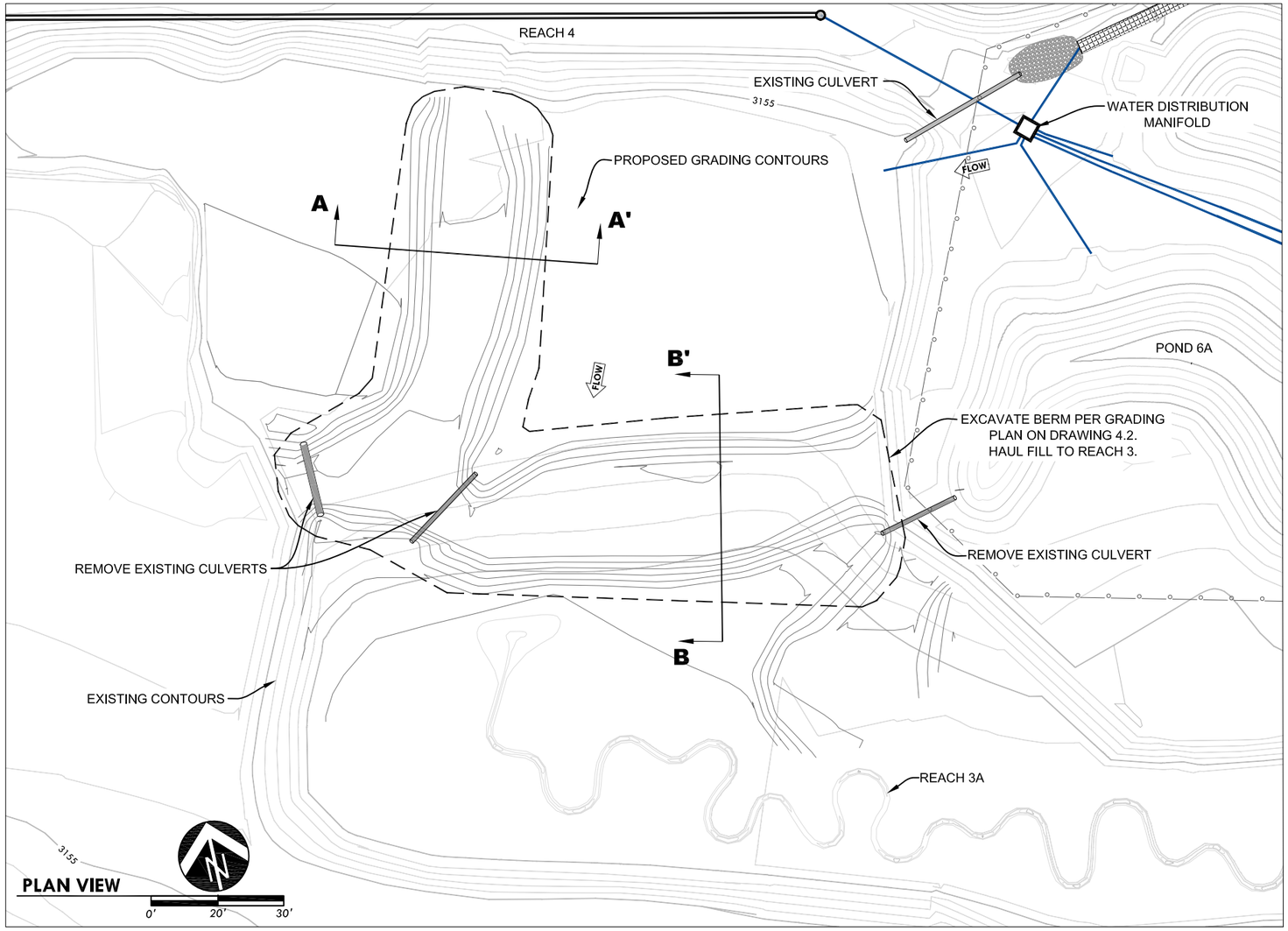
POND 8 SITE PLAN

NO.	DATE	BY	DESCRIPTION	CHK
1	07-01-13	NW	95% Design	CN
2	11-12-14	NW	FINAL DESIGN	MD

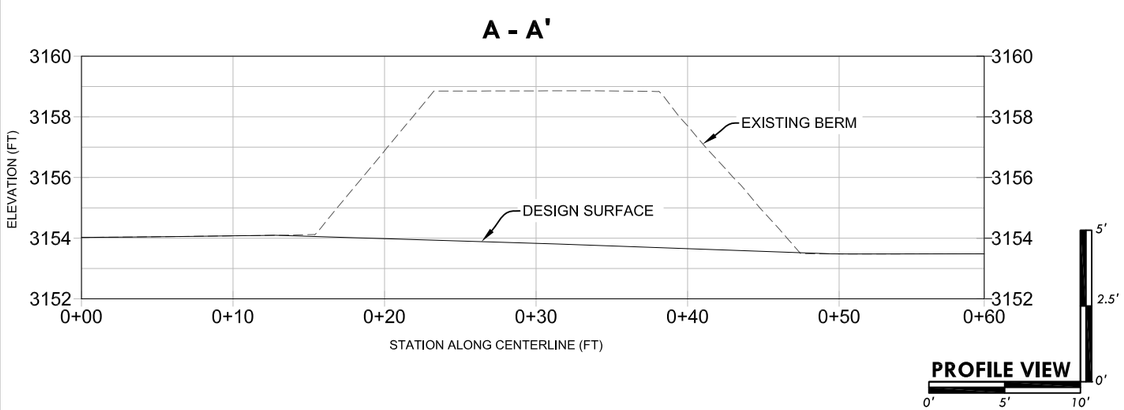
PROJECT NUMBER
RDG-13-004

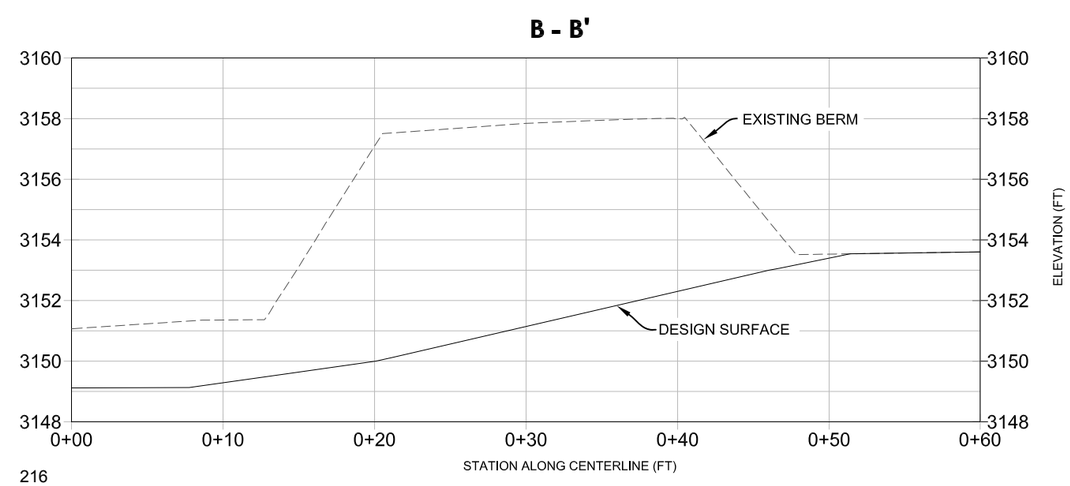
SHEET NUMBER
9.0



APPLICABLE TECHNICAL SPECIFICATIONS

01400 CONSTRUCTION STAKING
01560 ENVIRONMENTAL CONTROLS
02140 DEWATERING AND WORK AREA ISOLATION
02160 SITE PREPARATION
02200 EARTHWORK
02931 VEGETATION SALVAGE
02932 TREE SALVAGE





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WETLAND 3/4 SITE PLAN

NO.	DATE	BY	DESCRIPTION	CHK
1	07-01-13	NW	95% Design	CN
2	11-12-14	NW	FINAL DESIGN	MD

PROJECT NUMBER
RDG-13-004

SHEET NUMBER
10.0