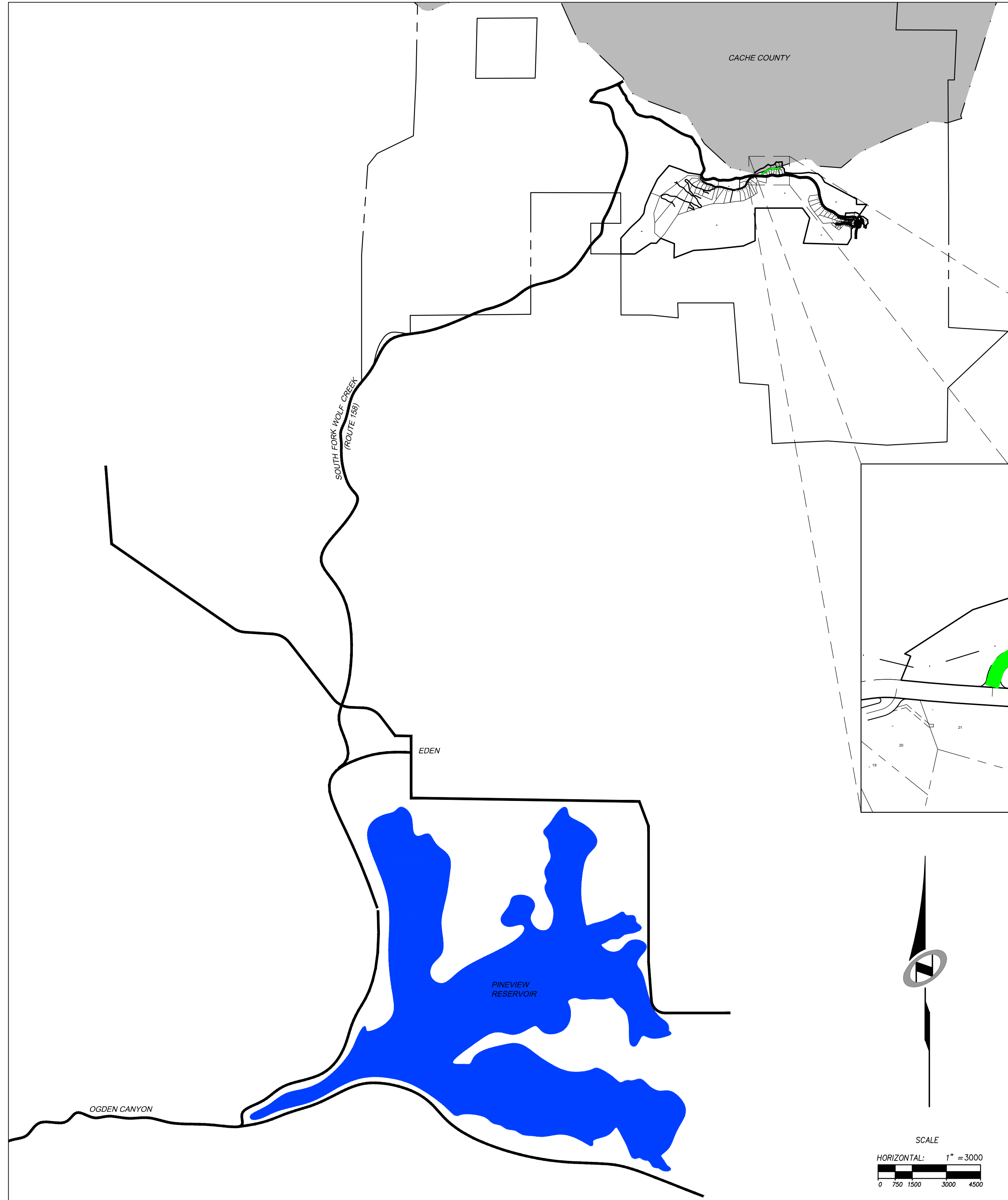


SUMMIT AT POWDER MOUNTAIN PHASE 1B - HEARTWOOD DRIVE ROADWAY AND UTILITY CONSTRUCTION DRAWINGS

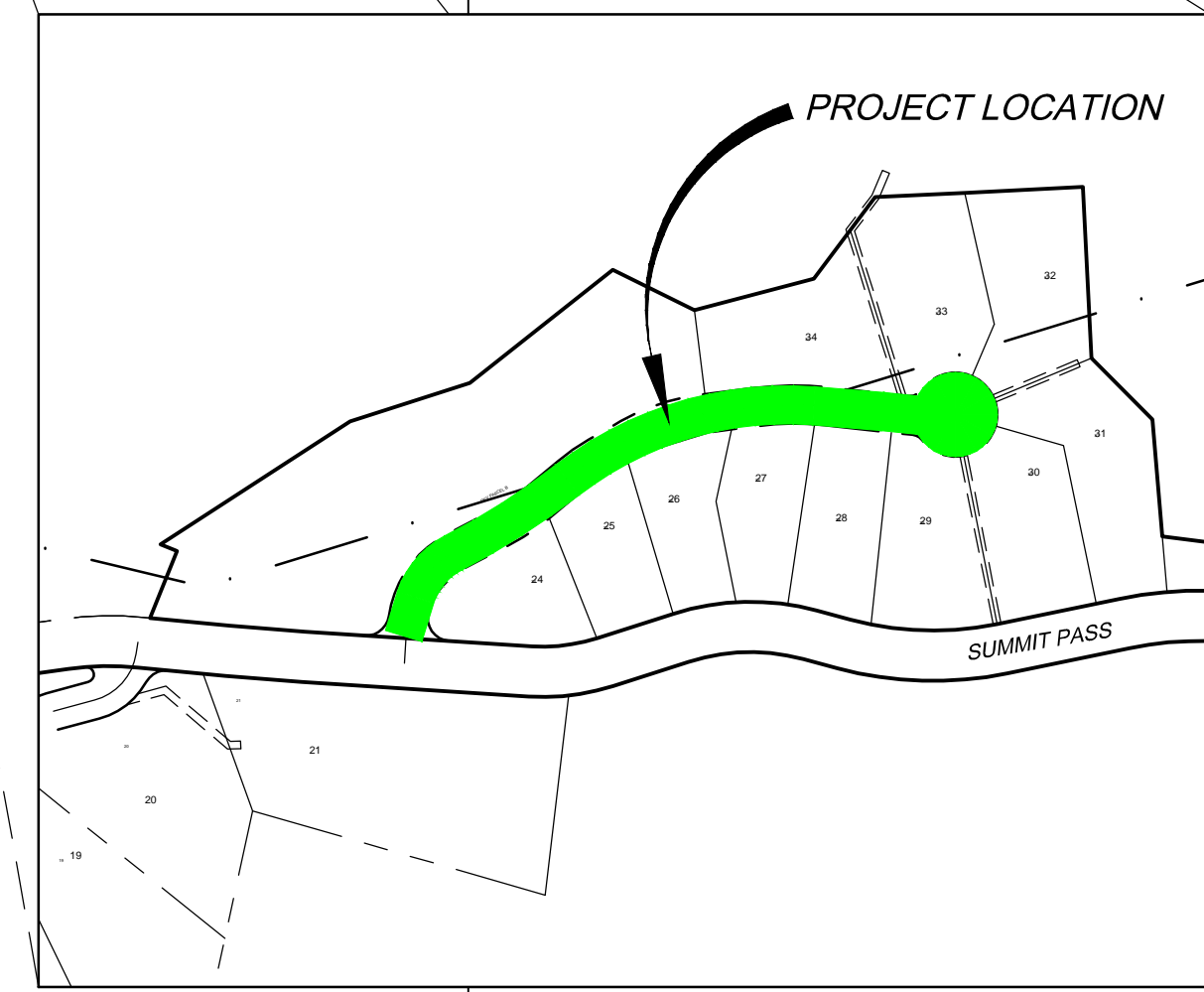
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Weber County, Utah

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PATH: H:\SLB0793\CAD\PHASE 1\VP\PHASE 1B\DESIGNER: ### PROJ. NO: ###



SHEET INDEX:

SHEET NO.	SHEET DESCRIPTION
1	1.00 CIVIL TITLE SHEET
2	1.01 GENERAL NOTES, LEGEND, AND KEYNOTES
3	1.02 OVERALL UTILITY
4	1.03 OVERALL GRADING
5	1.04 TYPICAL ROADWAY SECTION
6	2.00 PLAN & PROFILE - HEARTWOOD DRIVE
7	3.00 EARTHWORK & SECTIONS - HEARTWOOD DRIVE
8	4.00 EROSION CONTROL PLAN - HEARTWOOD DRIVE
9	5.00 STORM DRAIN DETAILS
10	5.10 SEWER DETAILS
11	5.20 ELECTRICAL DETAILS
12	5.30 MISCELLANEOUS DETAILS



NO.	BY	DATE	REVISIONS
1	RMC	7/27/2013	UTILITY UPDATES

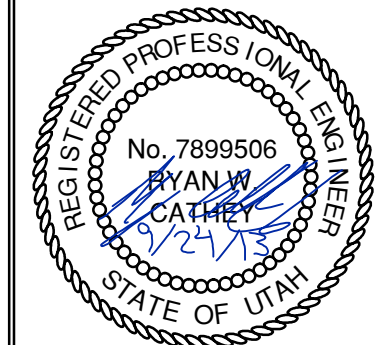
CAUTION
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Any such changes or uses must be approved by the preparer of these plans.

PHASE 1B CONSTRUCTION
CIVIL TITLE SHEET

DATE SUBMITTED: 9/24/2013

PREPARED FOR: SUMMIT, LLC

NV5
BEYOND ENGINEERING
6217 SOUTH STATE STREET, SUITE 200
801743.0000 TEL. 801743.0000 FAX
MURRAY, UT 84107
WWW.NV5.COM



SHEET NUMBER
1.00

SCALE
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 3000'

JOB NUMBER
SLB079306



BOWDEN
XREFS:

GENERAL NOTES

- 1. ALL CONSTRUCTION MUST STRICTLY FOLLOW THE STANDARDS AND SPECIFICATIONS SET FORTH BY: GOVERNING UTILITY MUNICIPALITY, GOVERNING CITY OR COUNTY (IF UN-INCORPORATED), INDIVIDUAL PRODUCT MANUFACTURERS, THE DESIGN ENGINEER, AND AMERICAN PUBLIC WORKS ASSOCIATION (APWA). ...

GENERAL NOTES CONT.

- 27. CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PROJECT PLANS AND SPECIFICATIONS. ...

UTILITY NOTES

- 1. CONTRACTOR SHALL COORDINATE LOCATION OF NEW "DRY UTILITIES" WITH THE APPROPRIATE UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO: TELEPHONE SERVICE, GAS SERVICE, CABLE, POWER, INTERNET. ...

EROSION CONTROL GENERAL NOTES:

THE CONTRACTOR TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO WEBER COUNTY ORDINANCES AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE COUNTIES. ...

WHEN GRADING OPERATIONS ARE COMPLETED AND THE DISTURBED GROUND IS LEFT "OPEN" FOR 14 DAYS OR MORE, THE AREA SHALL BE FURROWED PARALLEL TO THE CONTOURS.

THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

ALL ACCESS TO PROPERTY WILL BE FROM PUBLIC RIGHT-OF-WAYS.

LEGEND:

Table with columns: SYMBOL / LINETYPE, DESCRIPTION, and DETAIL. Lists various pipe types, manholes, and pavement details with corresponding symbols.

NOTE: LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN PLAN SET.

EROSION CONTROL GENERAL NOTES CONT.:

THE CONTRACTOR IS REQUIRED BY STATE AND FEDERAL REGULATIONS TO PREPARE A STORM WATER POLLUTION PREVENTION PLAN AND FILE A "NOTICE OF INTENT" WITH THE UTAH DIVISION OF WATER QUALITY.

MAINTENANCE:

ALL BEST MANAGEMENT PRACTICES (BMP'S) SHOWN ON THIS PLAN MUST BE MAINTAINED AT ALL TIMES UNTIL VEGETATION IS RE-ESTABLISHED.

THE CONTRACTOR'S RESPONSIBILITY SHALL INCLUDE MAKING BI-WEEKLY CHECKS ON ALL EROSION CONTROL MEASURES TO DETERMINE IF REPAIR OR SEDIMENT REMOVAL IS NECESSARY. CHECKS SHALL BE DOCUMENTED AND COPIES OF THE INSPECTIONS KEPT ON SITE.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF BARRIER.

SEDIMENT TRACKED ONTO PAVED ROADS MUST BE CLEANED UP AS SOON AS PRACTICAL, BUT IN NO CASE LATER THAN THE END OF THE NORMAL WORK DAY. THE CLEAN UP WILL INCLUDE SWEEPING OF THE TRACKED MATERIAL, PICKING IT UP, AND DEPOSITING IT TO A CONTAINED AREA.

EXPOSED SLOPES:

ANY EXPOSED SLOPE THAT WILL REMAIN UNTOUCHED FOR LONGER THAN 14 DAYS MUST BE STABILIZED BY ONE OR MORE OF THE FOLLOWING METHODS:

- A) SPRAYING DISTURBED AREAS WITH A TACKIFIER VIA HYDROSEED
B) TRACKING STRAW PERPENDICULAR TO SLOPES
C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET

SCOPE OF WORK:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

- HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEED FOR NATURAL VEGETATION. AREAS RECEIVING SEEDING FOR NATURAL VEGETATION MUST BE COVERED WITH AN EROSION CONTROL BLANKET AFTER THE FINAL GRADING AND SEEDING ARE FINISHED. ...

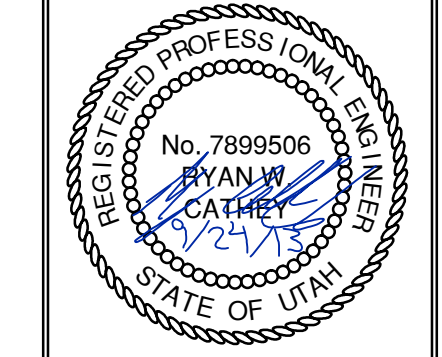
- * SEED MIXTURE FOR REVEGETATION
a. MEADOW BROME (RIGOR) 14lb/oc
b. ORCHARD GRASS 10lb/oc
c. ALFALFA (ADAK) 4lb/oc

REGIONS: UTILITY UTILITIES
DATE: 7/27/2013
NO. 1
BY: RMC

PHASE 1B CONSTRUCTION
GENERAL NOTES, LEGEND, AND KEYNOTES



5217 SOUTH STATE STREET, SUITE 200
801743.000 TEL 801743.000 FAX
MURRAY, UT 84007
WWW.NV5.COM



SHEET NUMBER 1.01

SCALE VERTICAL: 1"= N/A HORIZONTAL: 1"= N/A

JOB NUMBER SLB079306

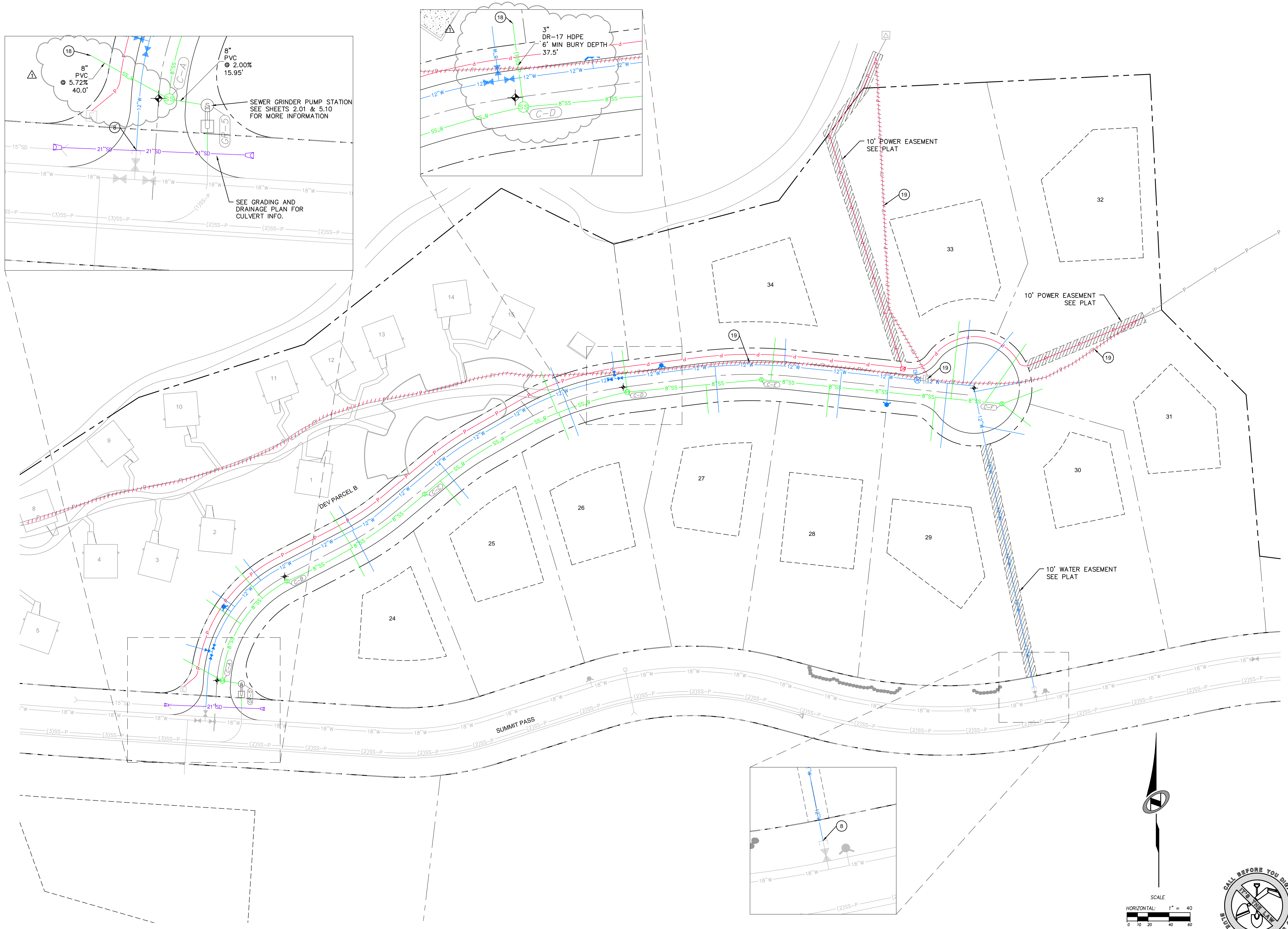


DATE SUBMITTED: 9/24/2013

PREPARED FOR: SUMMIT, LLC

DATE: 9/24/13 TIME: 5:58:34 AM DRAWING NAME: P10201.DWG
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PATH: N:\SLB0793\CAD\PHASE 1\WP\1-B DESIGNER: JMM PROJ. MGR: JMM

BOWDEN
XREES:



PHASE 1B CONSTRUCTION OVERALL UTILITY PLAN

REVISIONS:
NO. BY DATE DESCRIPTION
1 JMM 7/27/13 UTILITY UPDATES

CAUTION
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Any such changes or uses must be approved by the preparer of these plans.

PREPARED FOR: SUMMIT, LLC
DATE SUBMITTED: 9/24/2013

NV5
BEYOND ENGINEERING
5217 SOUTH STATE STREET, SUITE 200
MURRAY, UT 84107
WWW.NV5.COM

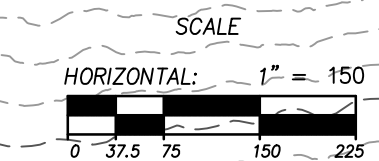
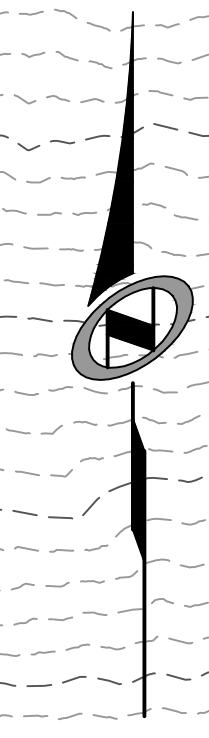
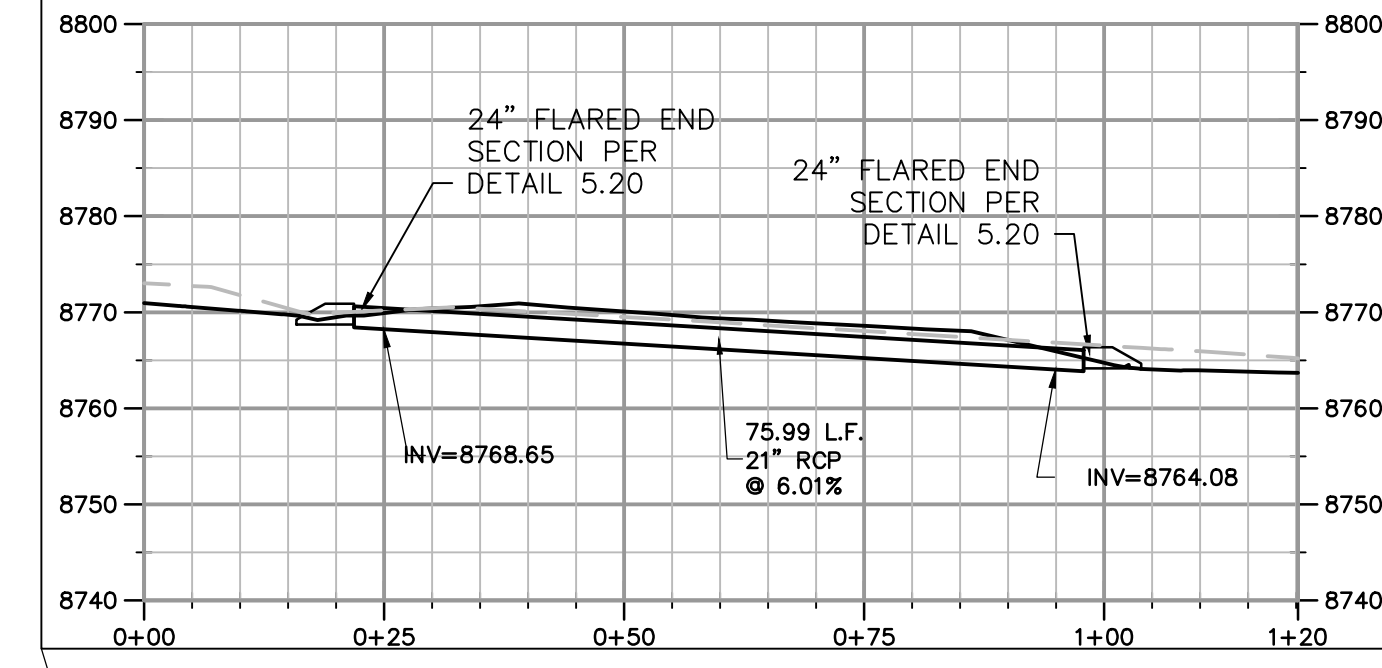
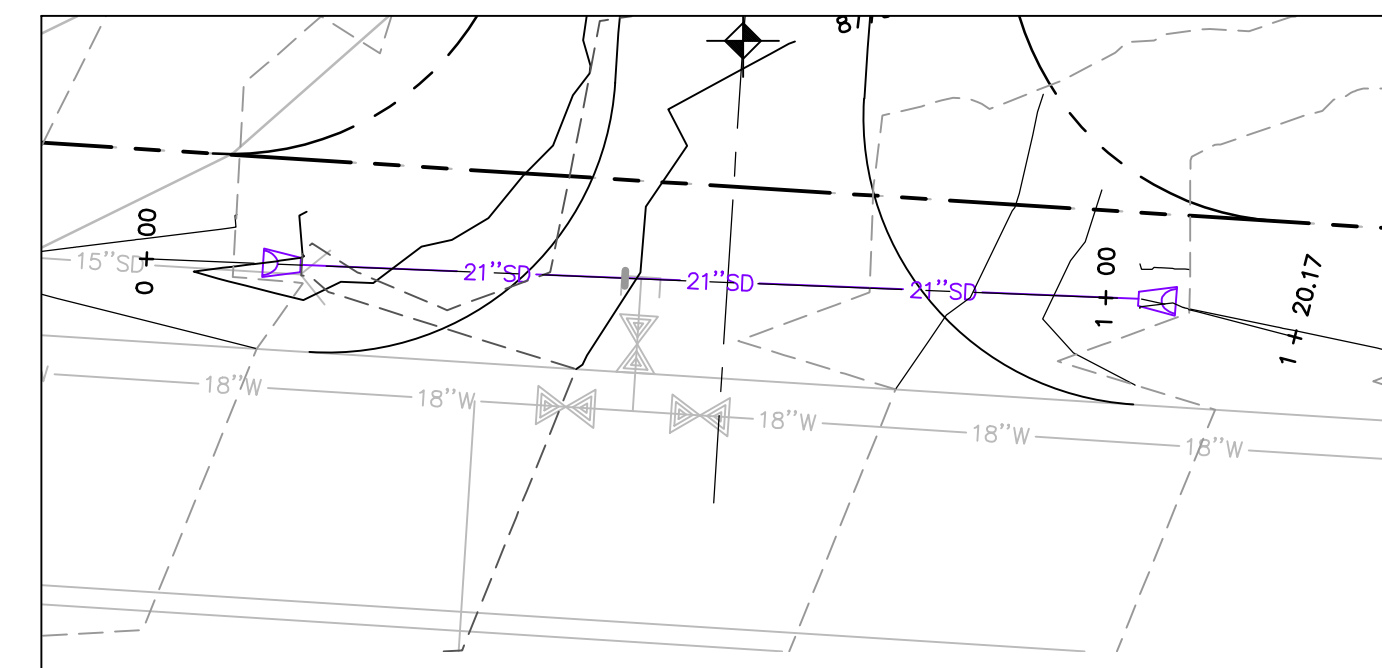
REGISTERED PROFESSIONAL ENGINEER
No. 7899506
RYAN W. CATHEY
STATE OF UTAH

SHEET NUMBER
1.02

SCALE
VERTICAL: 1" = 40'
HORIZONTAL: 1" = 40'

JOB NUMBER
SLB079306

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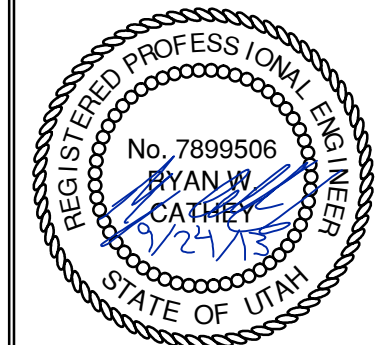
NO.	BY	DATE	REVISIONS
1	RLC	7/27/2013	UTILITY UPDATES

The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. The engineer's responsibility is limited to the design and construction of the project as shown on these plans and must be approved by the preparer of these plans.

PREPARED FOR: SUMMIT, LLC DATE SUBMITTED: 9/24/2013

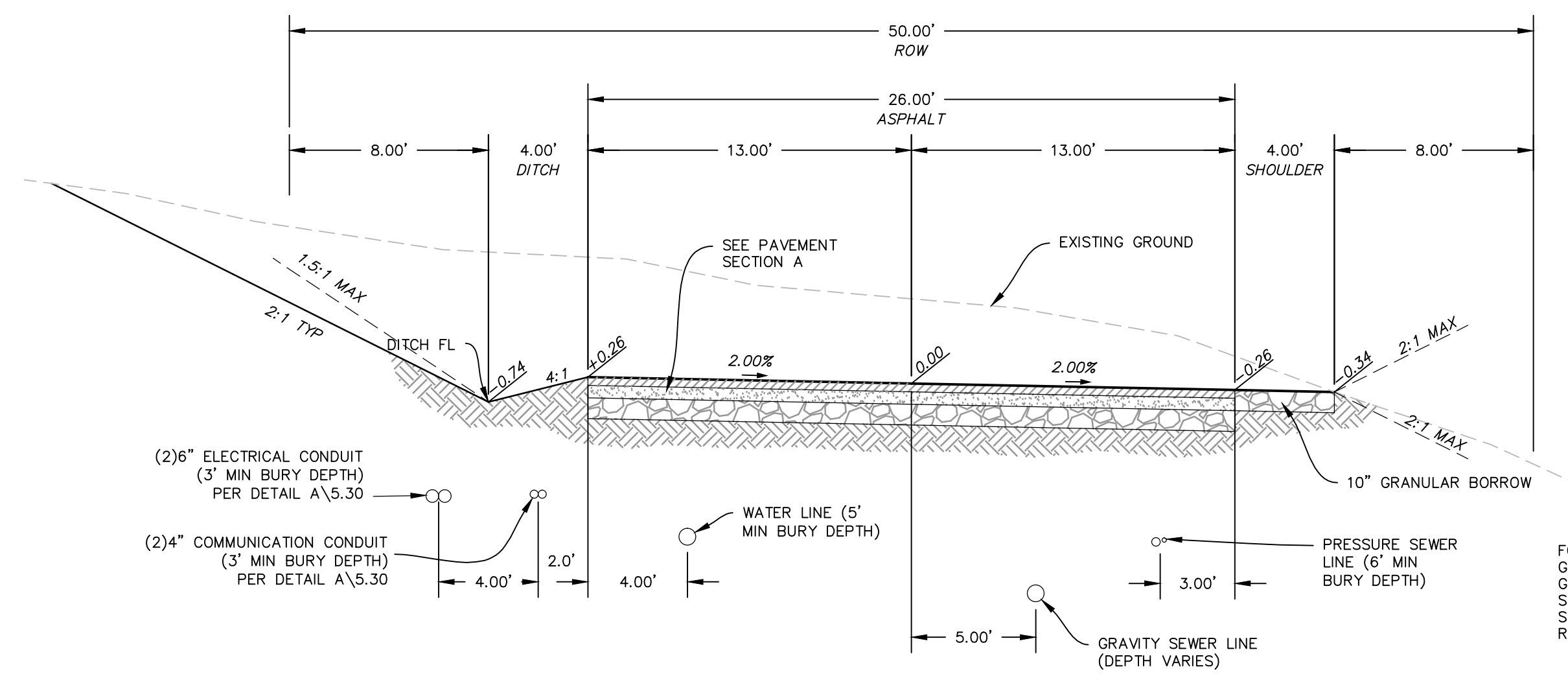
PHASE 1B CONSTRUCTION HEARTWOOD DRIVE OVERALL GRADING AND DRAINAGE

NV5
 BEYOND ENGINEERING
 627 SOUTH STATE STREET, SUITE 200
 801743.000 TEL. 801743.000 FAX
 MURRAY, UT 84107
 WWW.NV5.COM

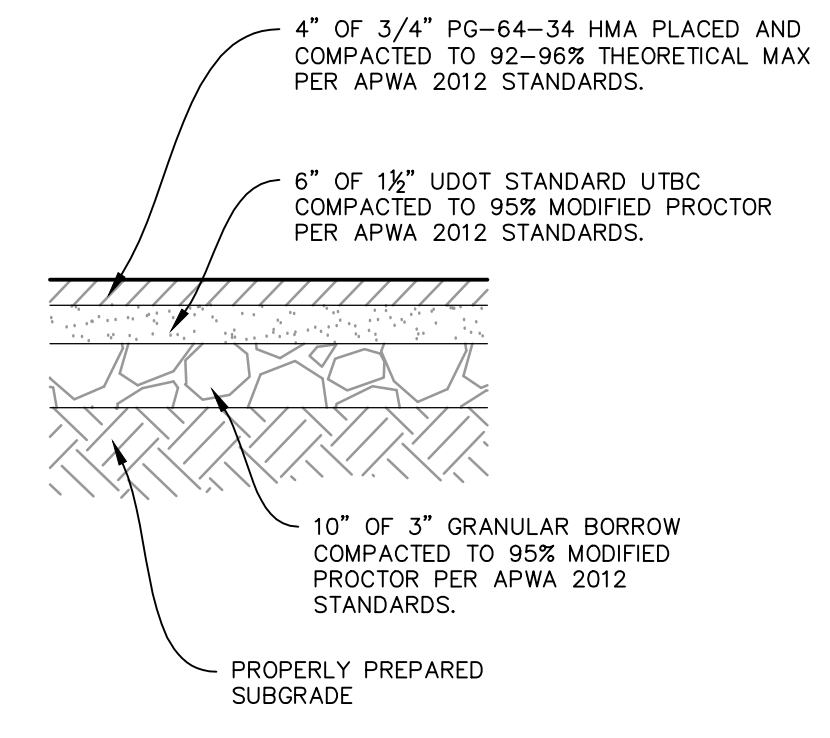


SHEET NUMBER
1.03
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 HORIZONTAL: 1" = 250'
 JOB NUMBER
SLB079306

BOWDEN
 XREFS:

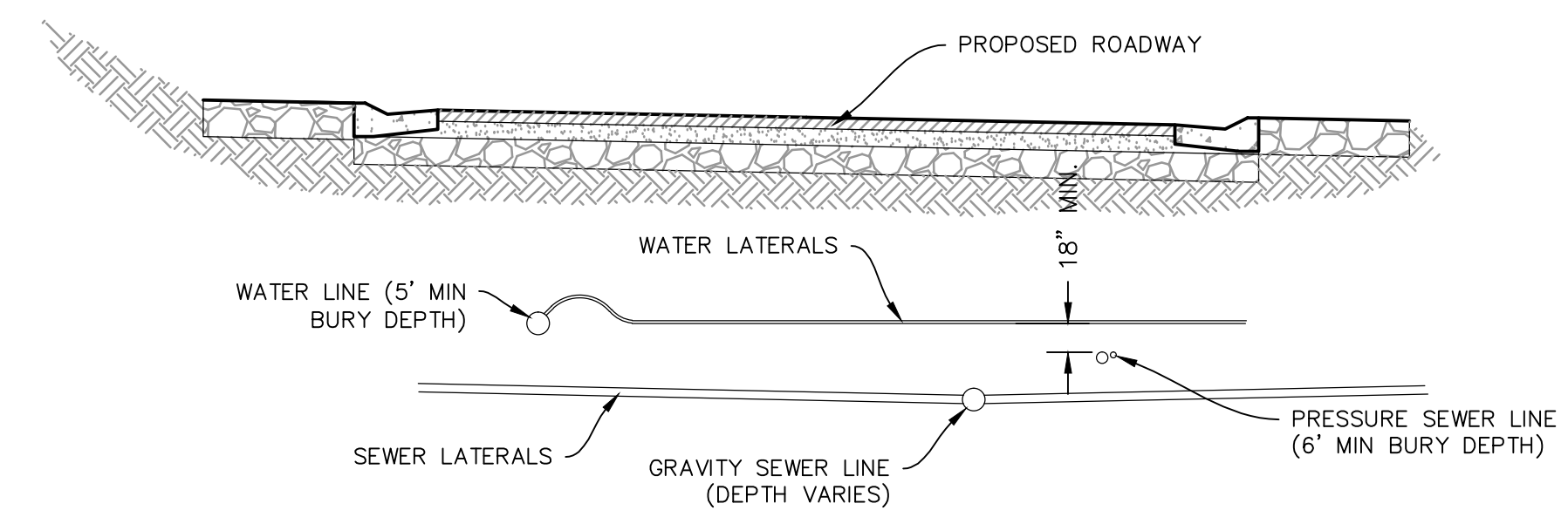


TYPICAL ROADWAY SECTION A-A
 (50' RIGHT OF WAY SECTION)
 STA: 10+00.00 TO 18+14.86



PAVEMENT SECTION A

FOR CUT AND FILL SLOPES GREATER THAN 2:1 REFER TO GEOTECHNICAL REPORT AND SUPPLEMENTAL LETTERS FOR SPECIAL STABILIZATION REQUIREMENTS



WATER AND SEWER SEPARATION DETAIL

NO.	BY	DATE	REVISIONS
1	RHC	7/27/2013	UTILITY UPDATES

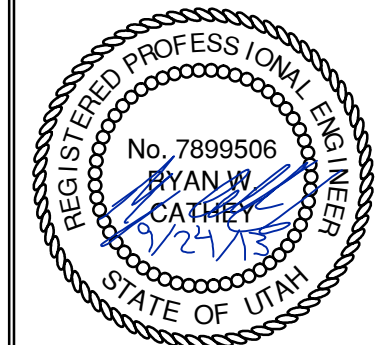
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PHASE 1B CONSTRUCTION
ROADWAY TYPICAL SECTIONS

DATE SUBMITTED: 9/24/2013

PREPARED FOR: SUMMIT, LLC

NV5
 BEYOND ENGINEERING
 627 SOUTH STATE STREET, SUITE 200
 MURRAY, UT 84107
 801.743.0300 TEL 801.743.0300 FAX
 WWW.NV5.COM

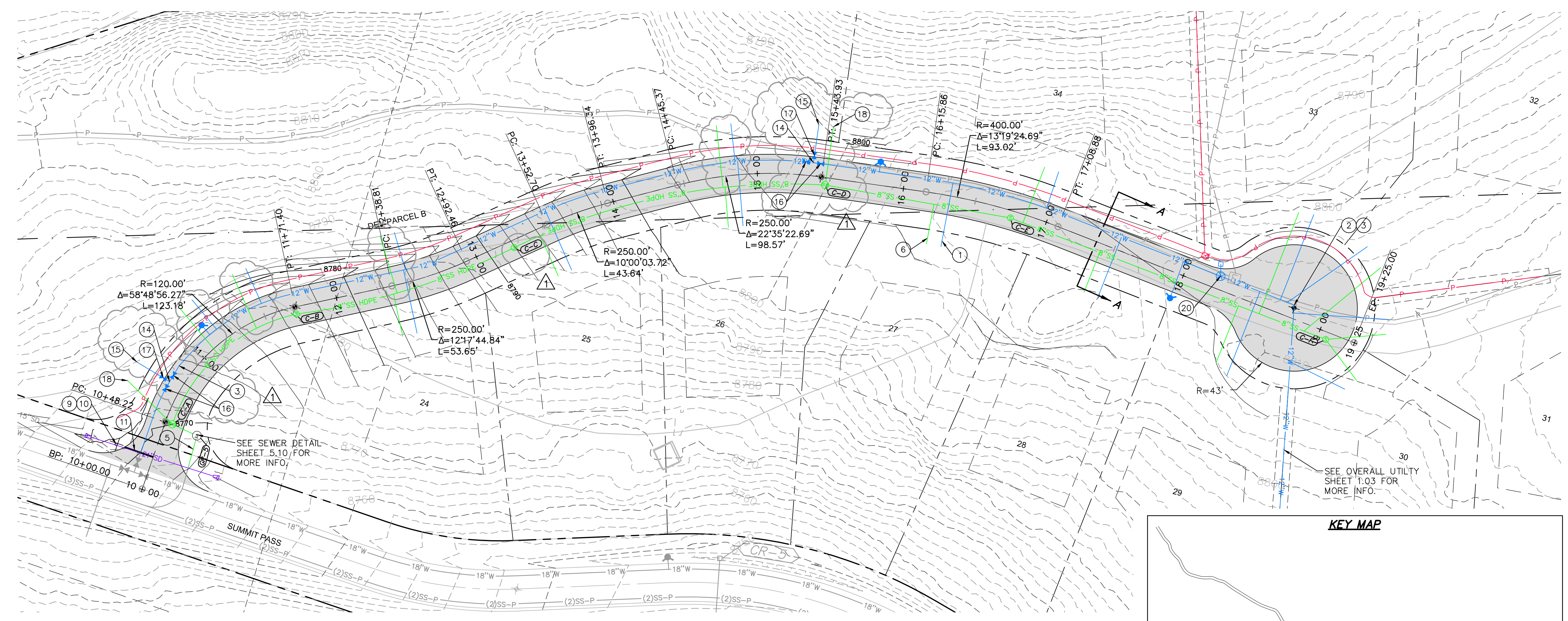


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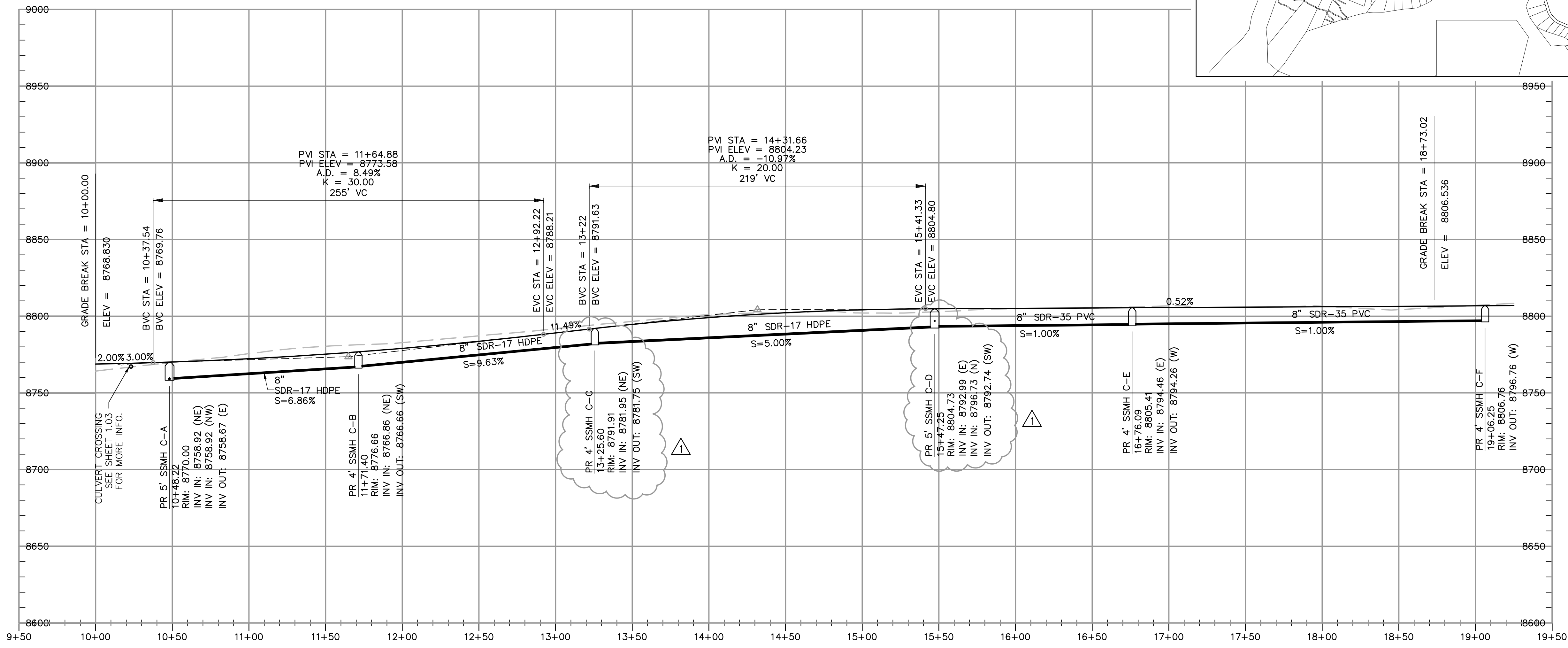
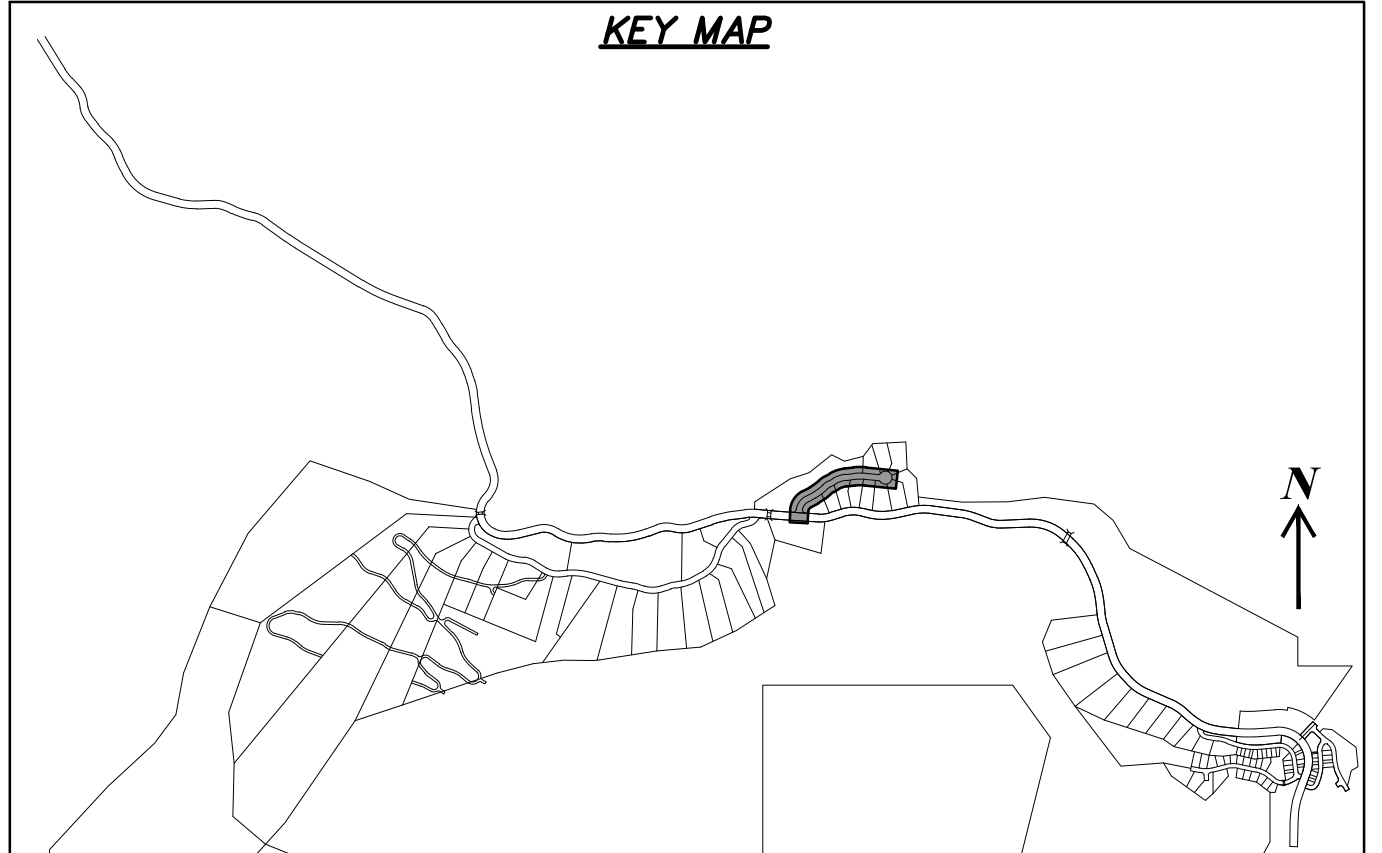
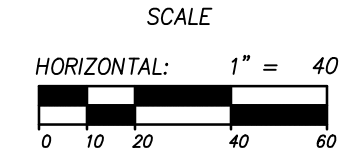
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JOB NUMBER
SLB079306





HEARTWOOD DRIVE
 STA: 10+00.00 TO 19+25.00



NO.	BY	DATE	REVISIONS
1	RE	7/27/2013	UTILITY SPACES

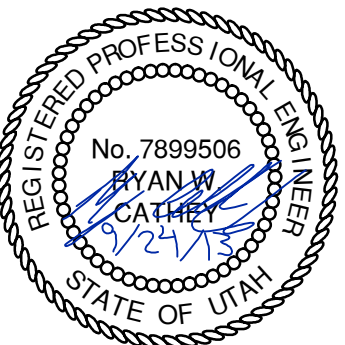
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. The engineer's liability is limited to the design and construction of these plans.

PHASE 1B CONSTRUCTION
PLAN AND PROFILE
HEARTWOOD DRIVE

DATE SUBMITTED: 9/24/2013

PREPARED FOR: SUMMIT, LLC

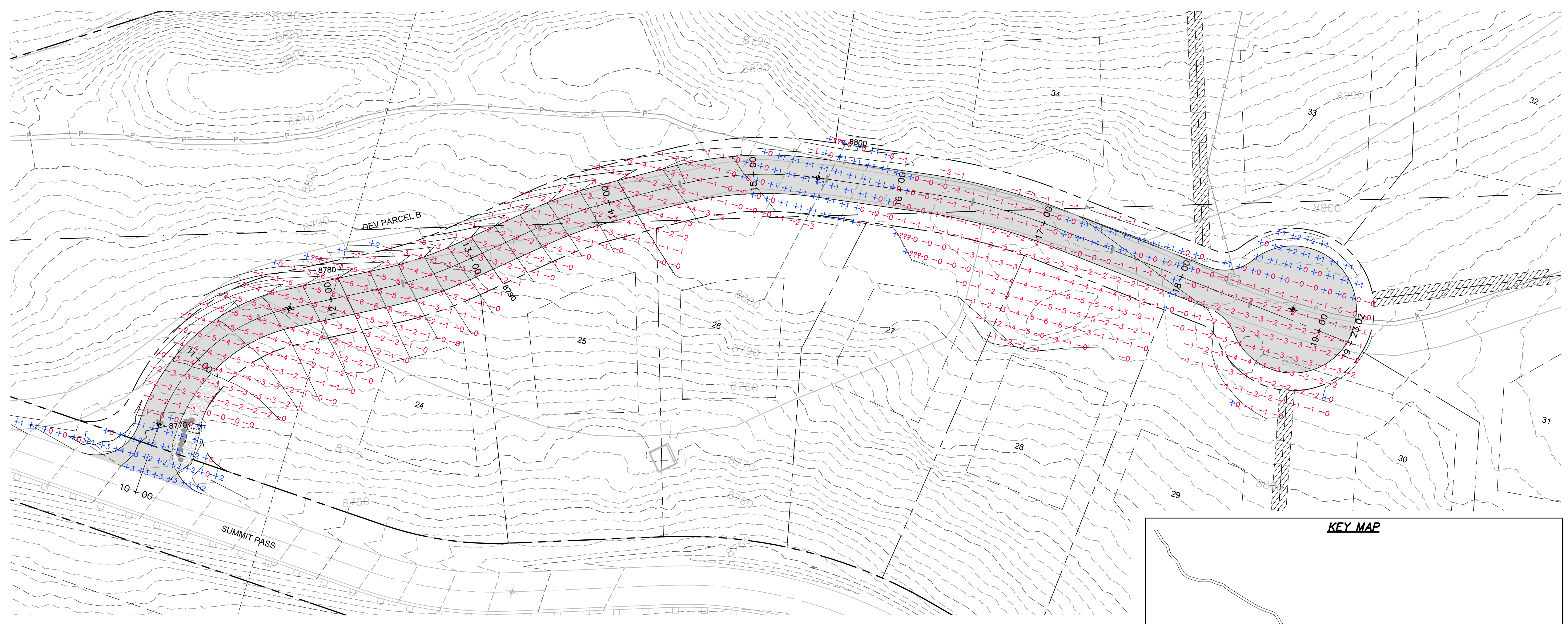
NV5
 BEYOND ENGINEERING
 627 SOUTH STATE STREET, SUITE 200
 801743.000 TEL. 801743.000 FAX
 MURRAY, UT 84107
 WWW.NV5.COM



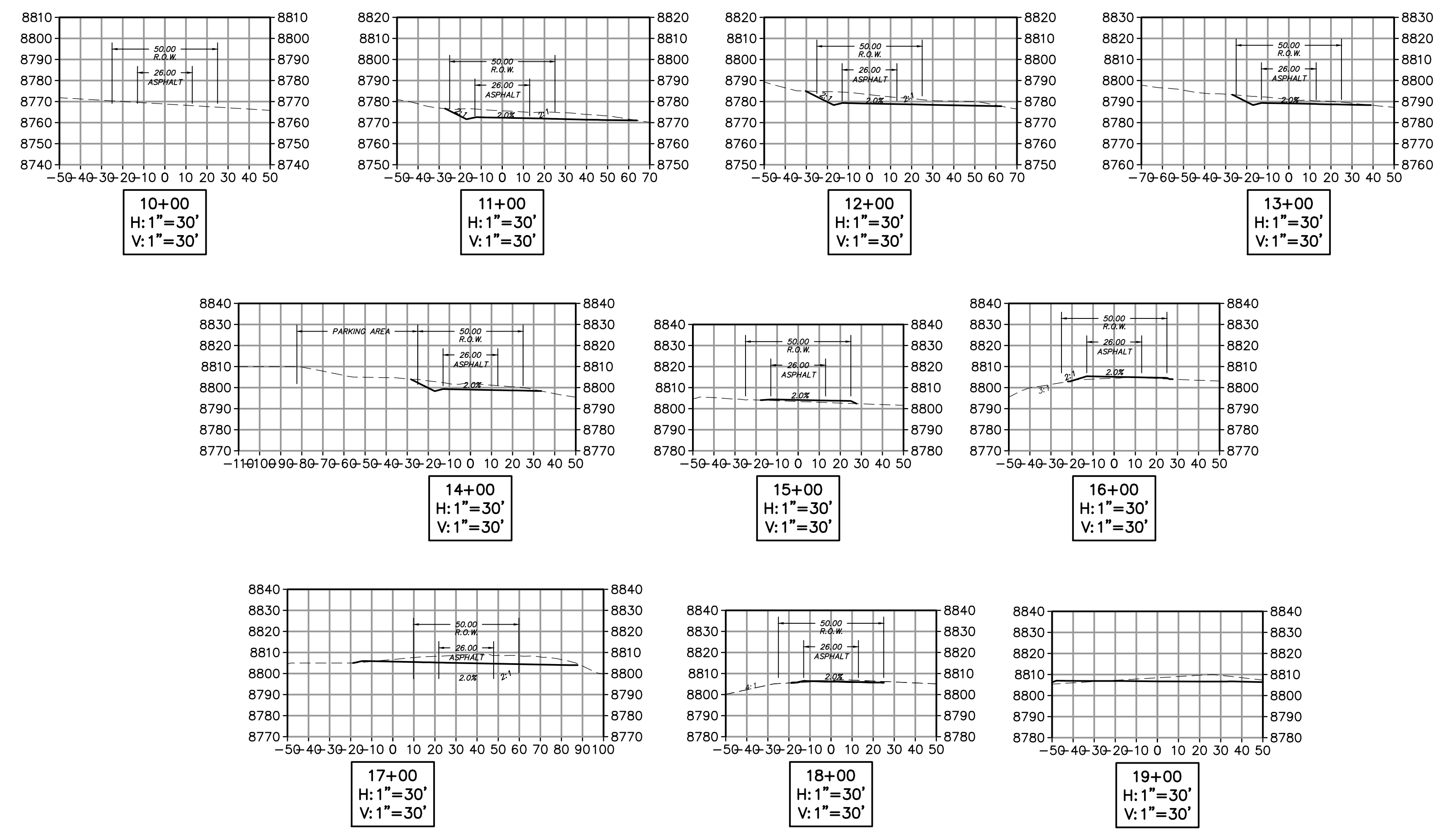
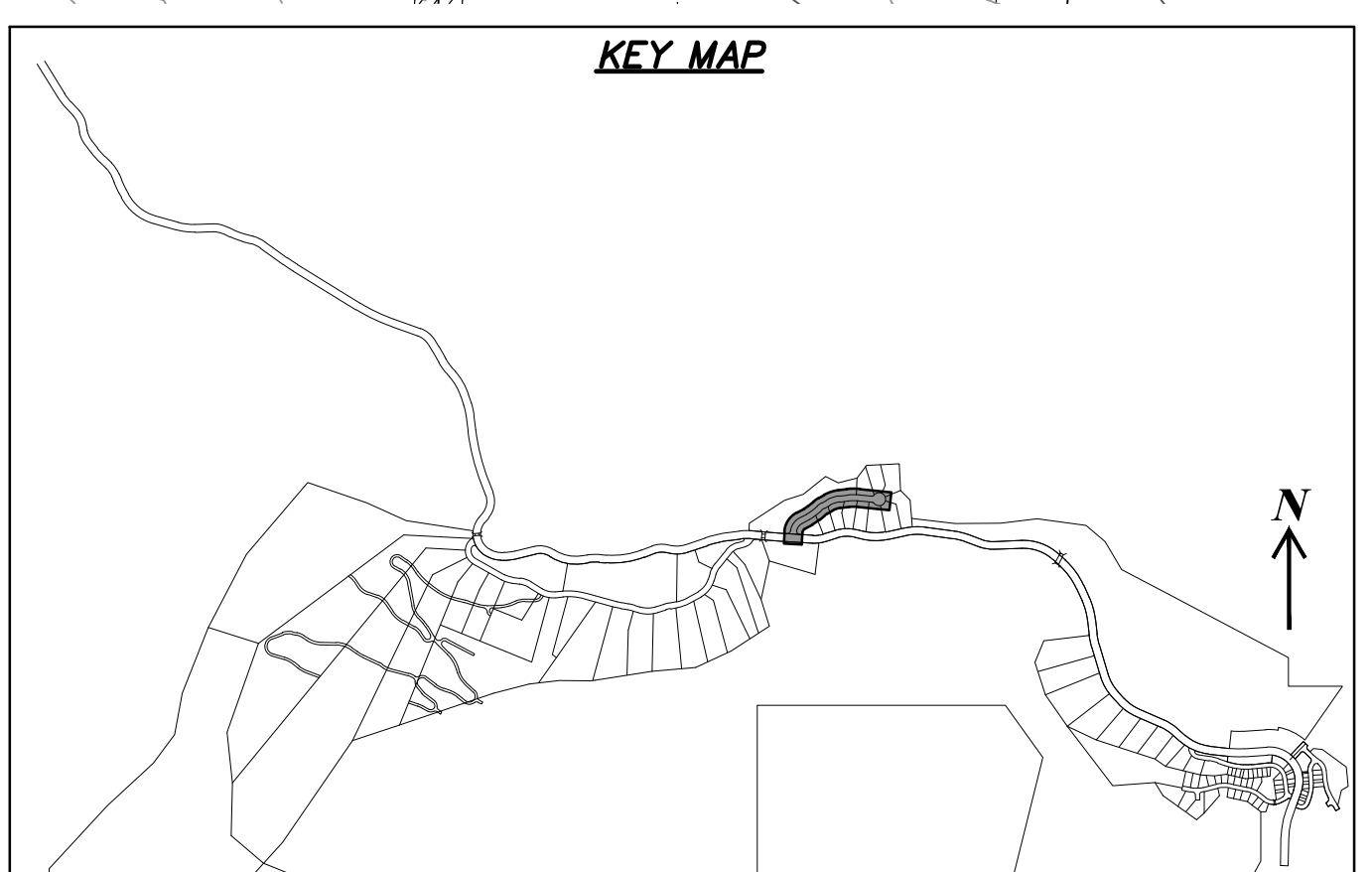
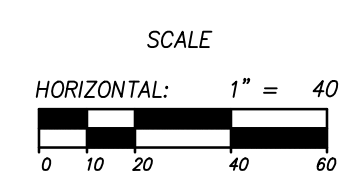
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2.00

SCALE
 VERTICAL: 1" = 40'
 HORIZONTAL: 1" = 40'

JOB NUMBER
SLB079306



HEARTWOOD DRIVE
 STA: 10+00.00 TO 19+25.00



NO.	BY	DATE	REVISIONS
1	RE	7/24/2013	UTILITY UPDATES

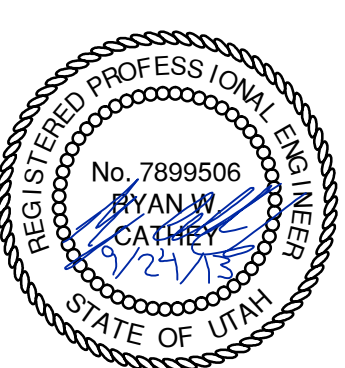
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PHASE 1B CONSTRUCTION
 EARTHWORK AND SECTIONS
 HEARTWOOD DRIVE

DATE SUBMITTED: 9/24/2013

PREPARED FOR: SUMMIT, LLC

NV5
 BEYOND ENGINEERING
 5217 SOUTH STATE STREET, SUITE 200
 801743.000 TEL. 801743.000 FAX
 MURRAY, UT 84107
 WWW.NV5.COM



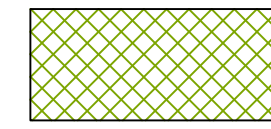
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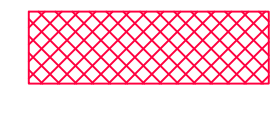
JOB NUMBER
SLB079306



LEGEND



HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEEDED FOR NATURAL VEGETATION. AREAS RECEIVING SEEDING FOR NATURAL REVEGETATION MUST BE COVERED WITH AN EROSION CONTROL BLANKET AFTER THE FINAL GRADING AND SEEDING ARE FINISHED. INSTALL NORTH AMERICAN GREEN SC-150 BLANKET OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SPECIFICATIONS. INSTALL NORTH AMERICAN GREEN P300 EROSION CONTROL BLANKET ON ALL SLOPES GREATER THAN 1.5:1.



INSTALL 15' X 50' VEHICLE WASH DOWN AREA WITH 1"-2.5" COARSE AGGREGATE PLACED A MINIMUM 8" THICK. SUPPLY WATER FOR VEHICLE WASH DOWN.



STABILIZED CONSTRUCTION ENTRANCE FOR SITE INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED.



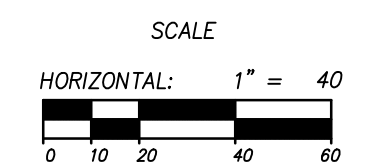
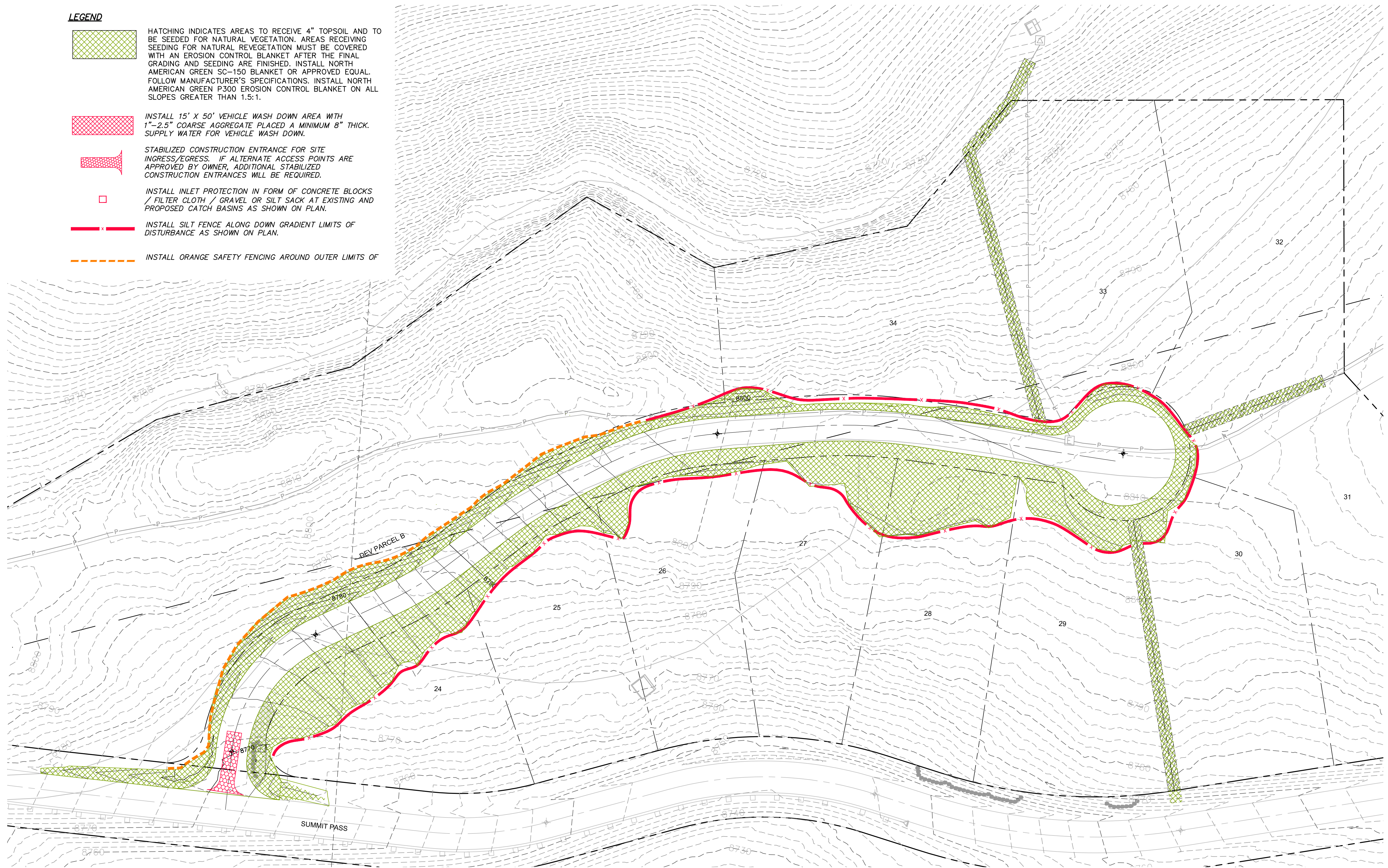
INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN.



INSTALL SILT FENCE ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.



INSTALL ORANGE SAFETY FENCING AROUND OUTER LIMITS OF



NO.	DATE	BY	REVISIONS
1	7/27/2013	RMC	UTILITY UPDATES

The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Any such changes or uses must be approved by the preparer of these plans.

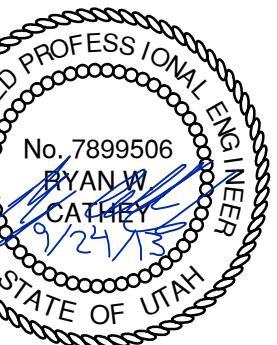
PHASE 1B CONSTRUCTION
EROSION CONTROL PLAN
HEARTWOOD DRIVE

DATE SUBMITTED: 9/24/2013

PREPARED FOR: SUMMIT, LLC



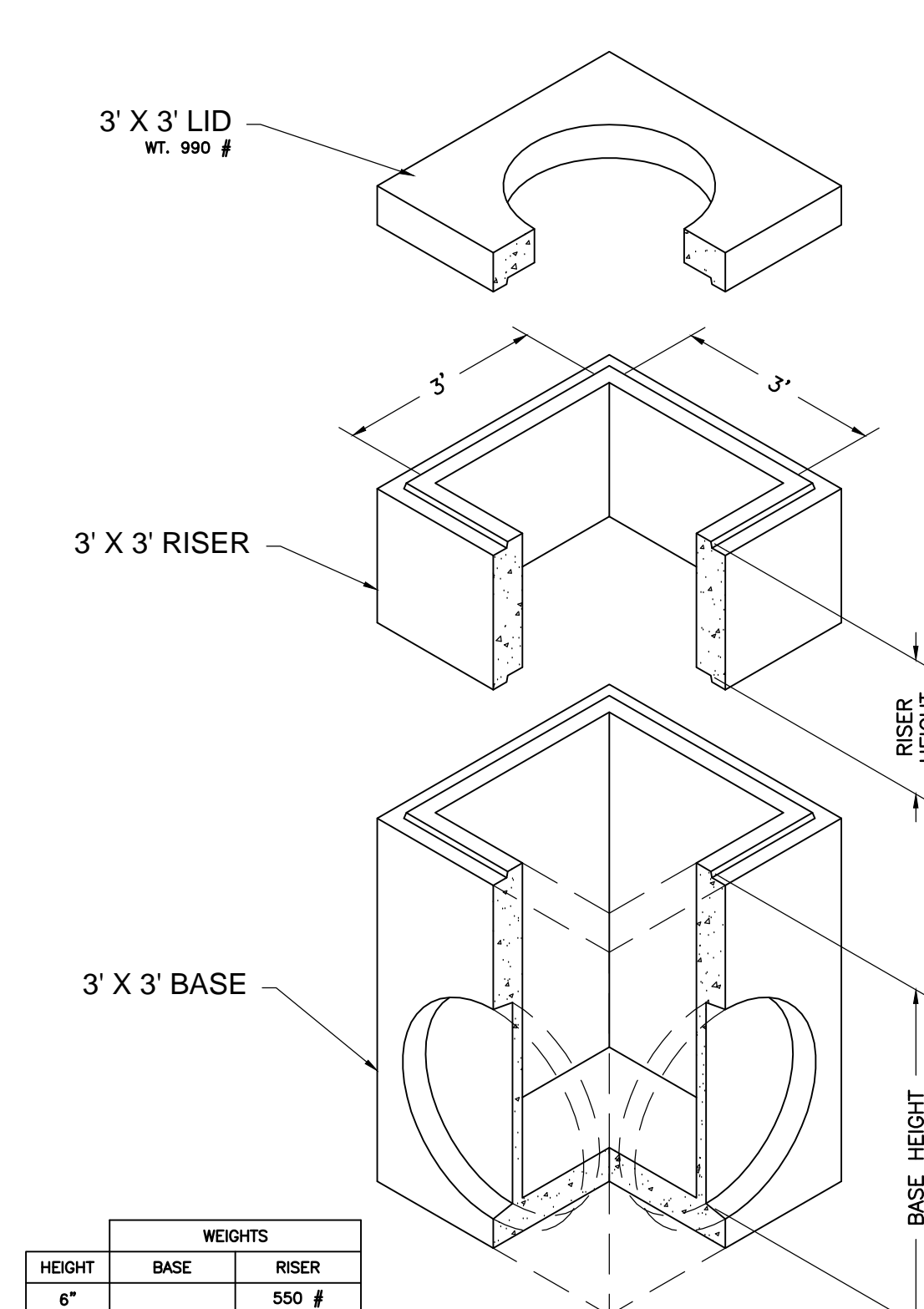
BEYOND ENGINEERING
 5217 SOUTH STATE STREET, SUITE 200
 801743.000 TEL. 801743.000 FAX
 MURRAY, UT 84107
 WWW.NV5.COM



SHEET NUMBER
4.00

SCALE
 VERTICAL: 1" = 40'
 HORIZONTAL: 1" = 40'

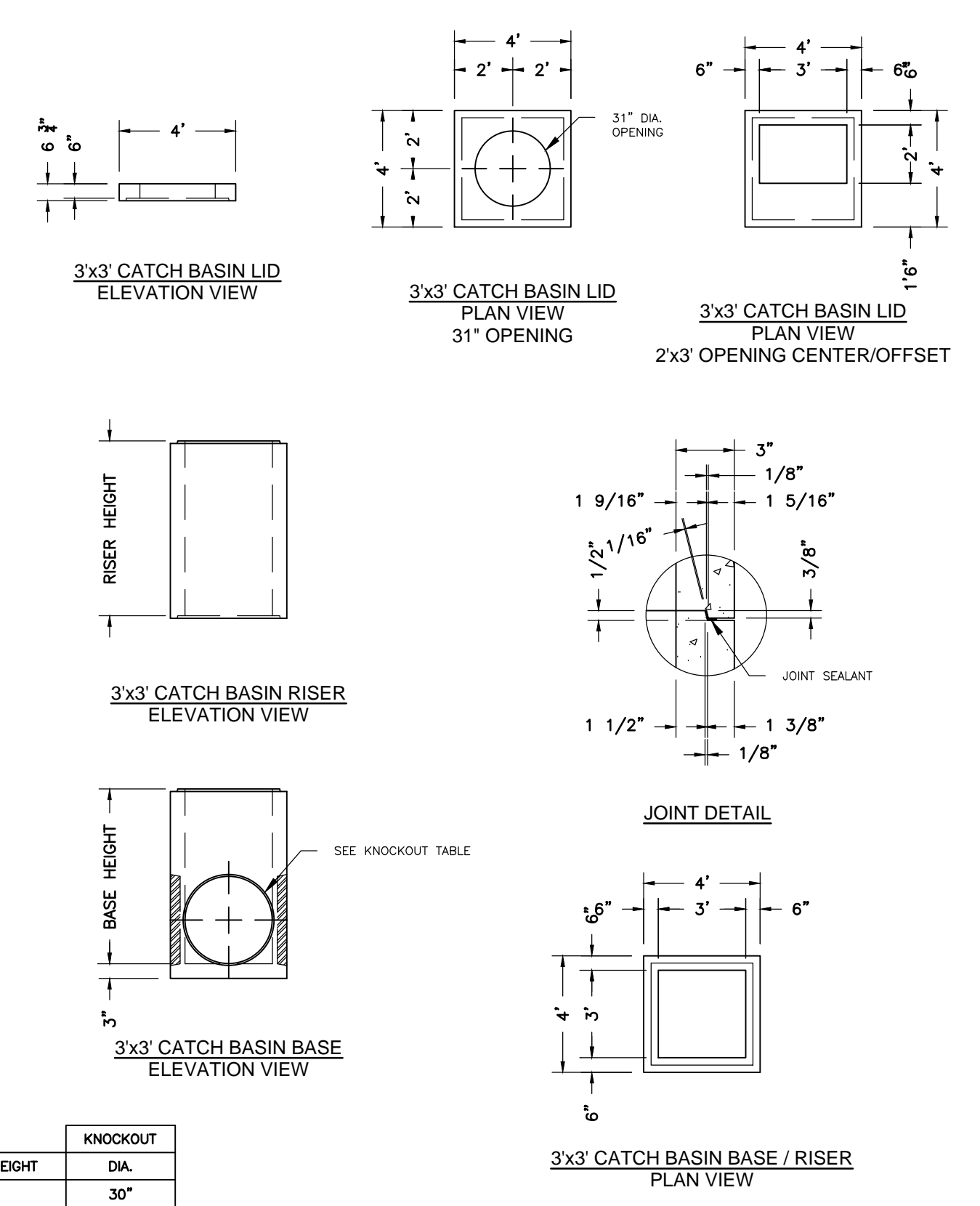
JOB NUMBER
SLB079306



HEIGHT	WEIGHTS	
	BASE	RISER
6"		550 #
1'		1,099 #
2'		2,198 #
3'	3,171 #	3,297 #
4'	4,796 #	4,207 #
5'	5,896 #	5,259 #
6'	6,994 #	7,894 #

NOTES:
 1. Vault design complies with ASTM C-857 and C-858 with less than 2' of earth cover and an AASHTO HS-20 loading.
 2. Lifting insert type and location may change without notice.

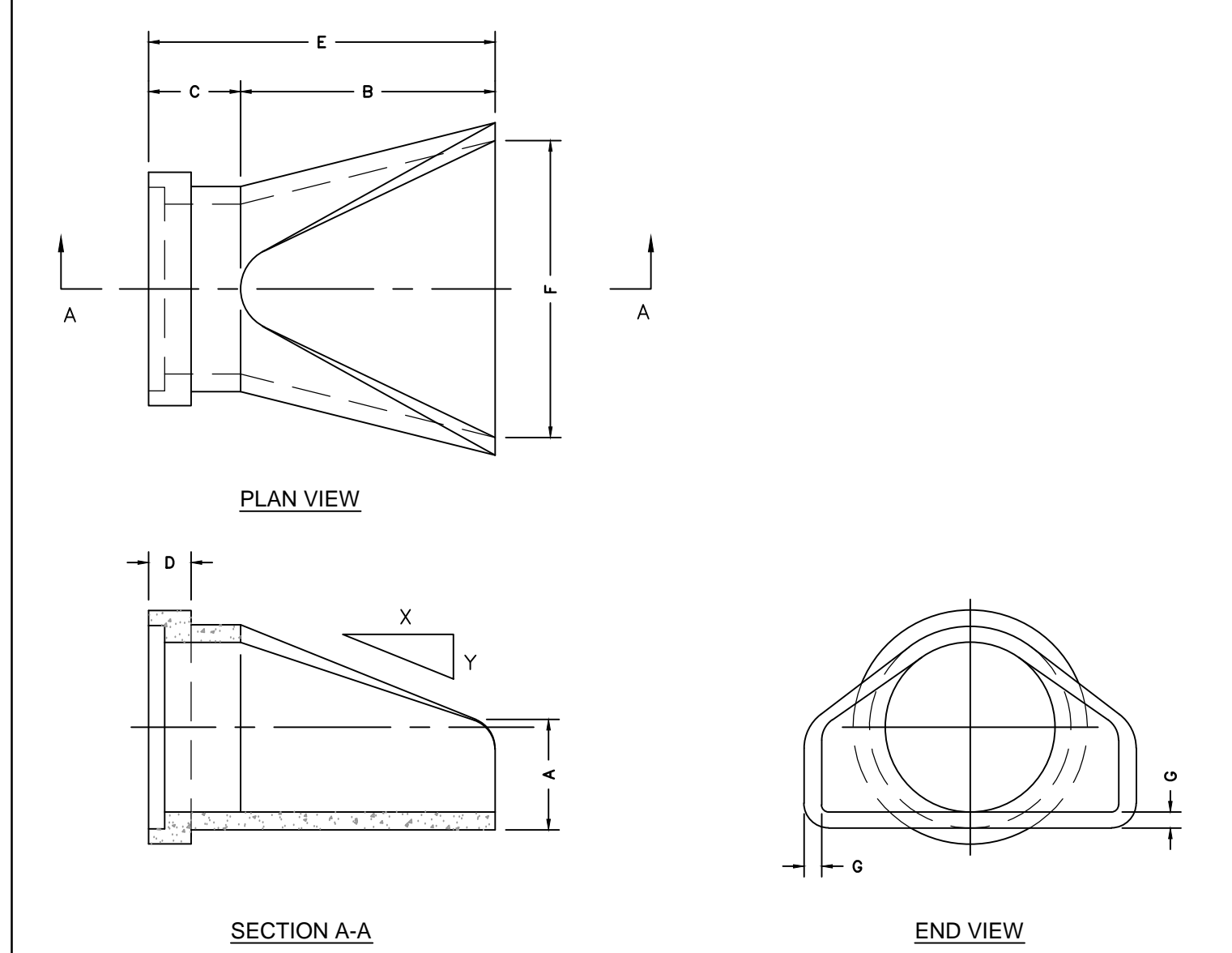
<p>801 West 12th Street, Ogden, Utah 84404 Phone: 801-399-1171 Fax: 801-392-7849</p>	3' x 3' Basin FILE NAME: 2100C3X3CB000 ISSUE DATE: 1/08 www.oldcastleprecast.com	3' x 3' Catch Basin Bases, Risers and lid Copyright © 2008
---	--	--



KNOCKOUT	
BASE HEIGHT	DIA.
3'	30"
4'	36"
5'	36"
6'	36"

KNOCKOUTS ARE 4" DEEP

<p>801 West 12th Street, Ogden, Utah 84404 Phone: 801-399-1171 Fax: 801-392-7849</p>	3' x 3' Basin FILE NAME: 2100C3X3CB000 ISSUE DATE: 1/08 www.oldcastleprecast.com	3' x 3' Catch Basin Bases, risers and lid Copyright © 2008
---	--	--



Diam.	Slope X : Y	FLARED END SECTION FOR ROUND PIPE					
		A	B	C	E	F	G
12"	2.4 : 1	4"	24"	48 1/2"	72 1/2"	24"	2"
15"	2.4 : 1	6"	27"	46"	73"	30"	2 1/2"
18"	2.3 : 1	9"	27"	46"	73"	36"	2 1/2"
24"	2.5 : 1	9"	30"	43 1/2"	75 1/2"	48"	3"
30"	2.5 : 1	12"	54"	19 1/2"	73 1/2"	60"	3 1/2"
36"	2.5 : 1	15"	63"	34 1/2"	97 1/2"	72"	4"
42"	2.5 : 1	21"	63"	35"	98"	78"	4 1/2"
48"	2.5 : 1	24"	72"	26"	98"	84"	5"

<p>801 West 12th Street, Ogden, Utah 84404 Phone: 801-399-1171 Fax: 801-392-7849</p>	Flared End FILE NAME: 2100PERNDFLARE ISSUE DATE: 5/2008 www.oldcastleprecast.com	Flared End Section for Round Pipe Copyright © 2008
---	--	--

NO.	BY	DATE	REVISIONS
1	RMC	7/27/2013	INITIAL UPDATES

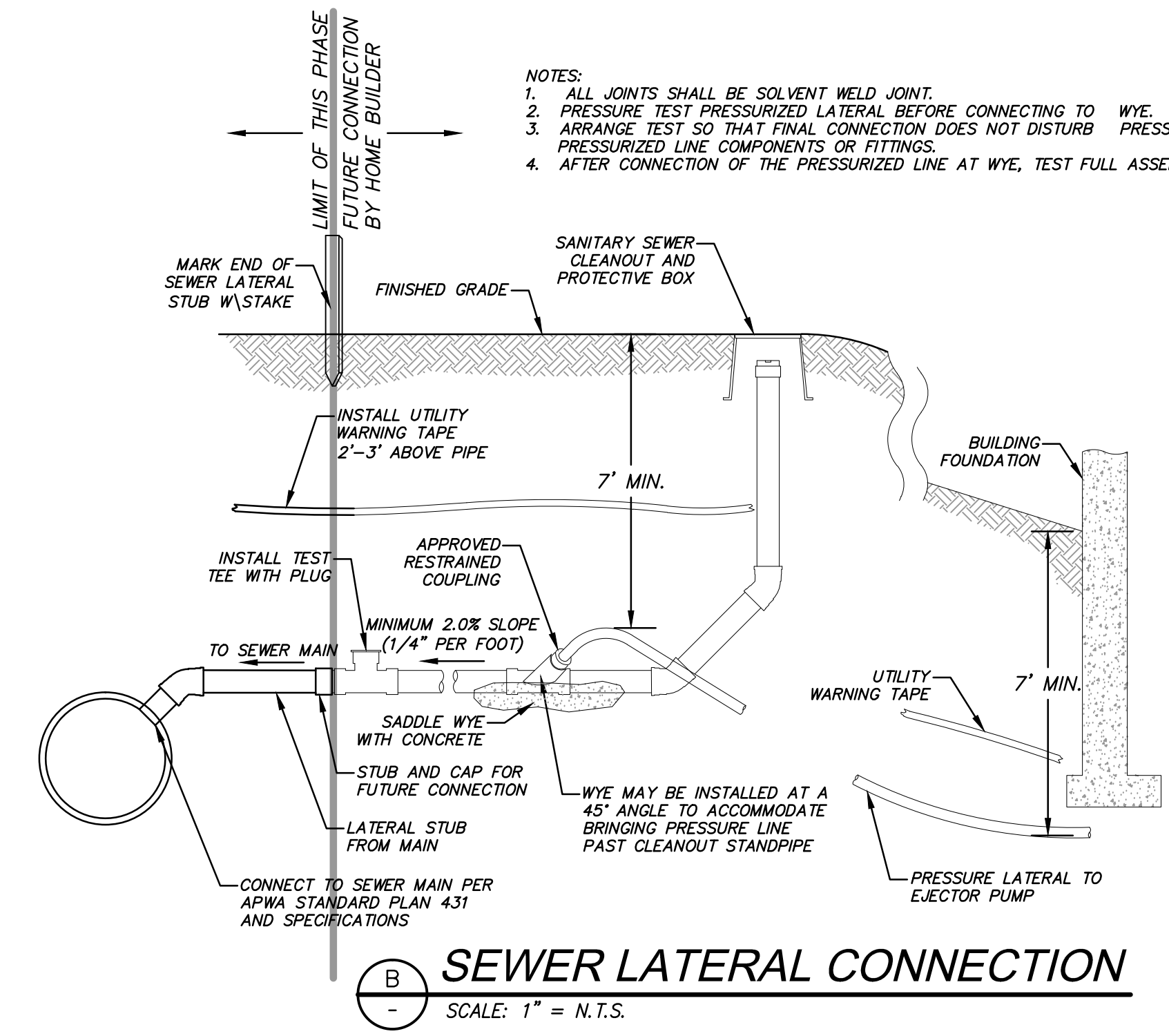
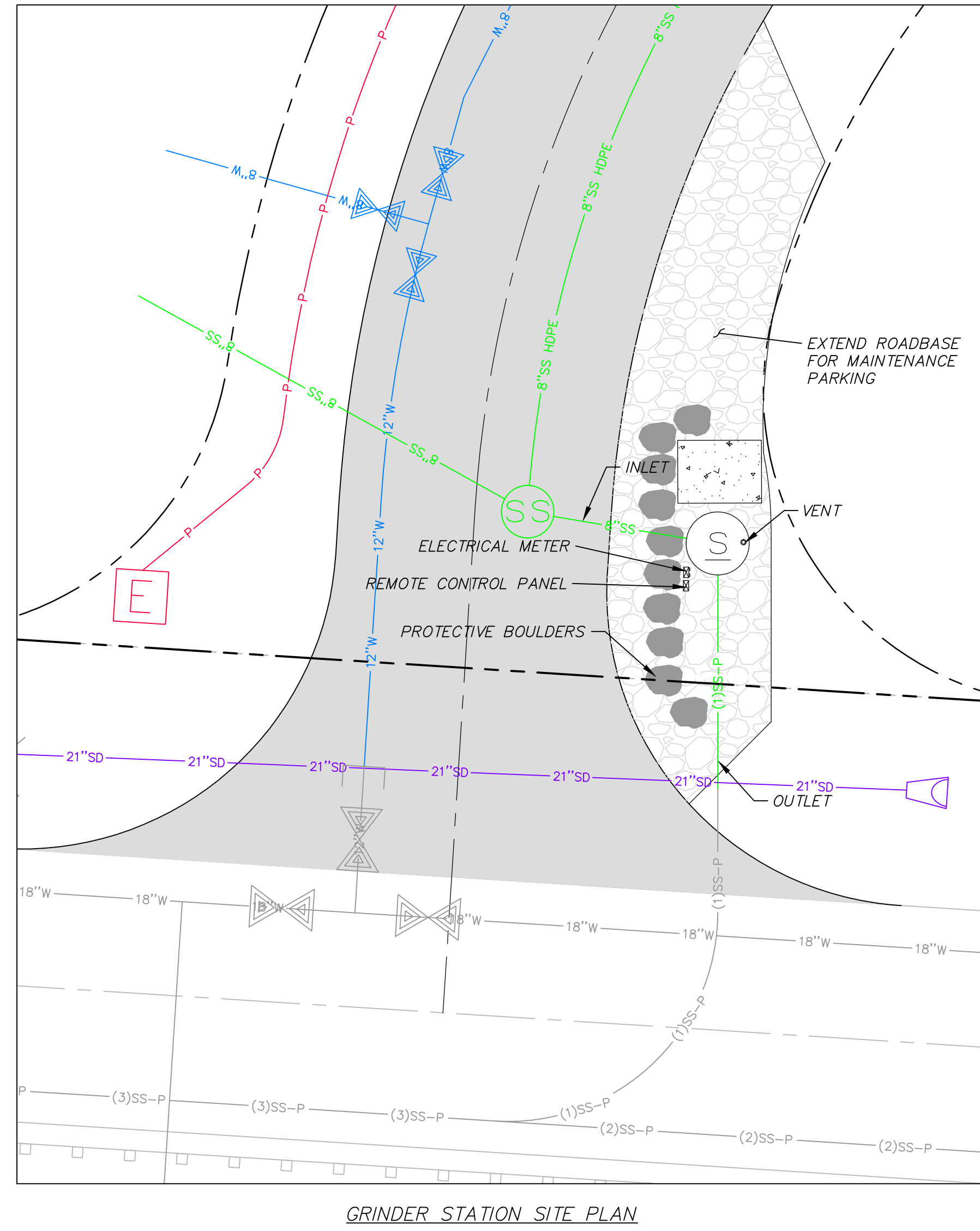
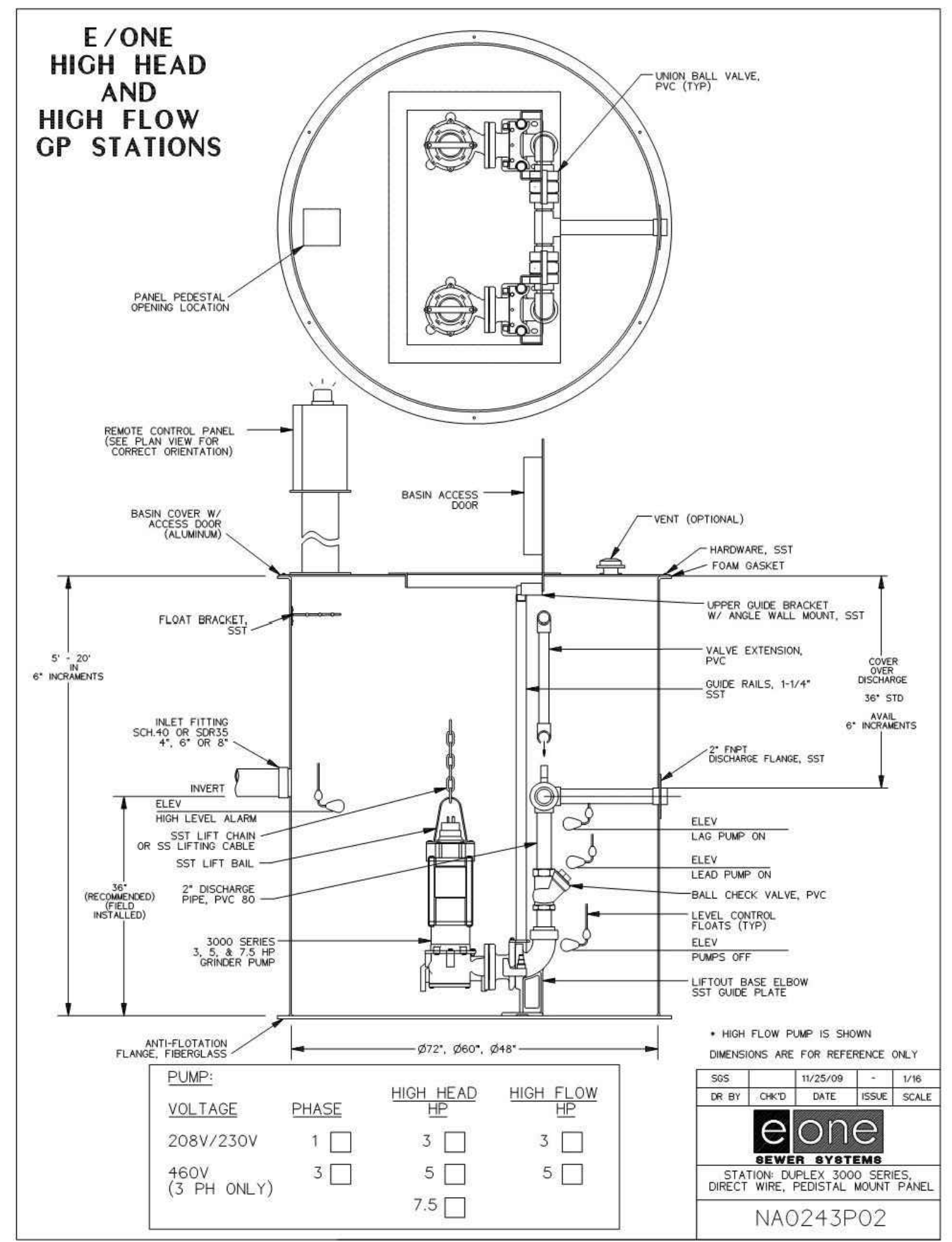
PHASE 1B CONSTRUCTION
STORM DRAIN DETAILS
 PREPARED FOR: SUMMIT, LLC
 DATE SUBMITTED: 9/24/2013

BEYOND ENGINEERING
 5217 SOUTH STATE STREET, SUITE 200
 801743.0000 TEL. 801743.0000 FAX
 MURRAY, UT 84107
 WWW.NVI5.COM

REGISTERED PROFESSIONAL ENGINEER
 No. 7899506
 RYAN W. CATHEY
 STATE OF UTAH

SHEET NUMBER	5.00
SCALE	VERTICAL: 1" = N/A HORIZONTAL: 1" = N/A
JOB NUMBER	SLB079306





PHASE 1B CONSTRUCTION
GRINDER PUMP VAULT
SEWER DETAILS

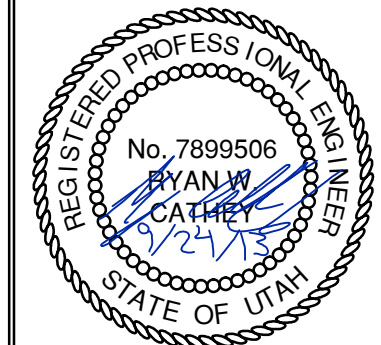
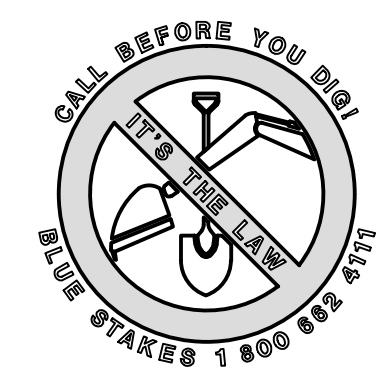
DATE SUBMITTED: 9/24/2013

PREPARED FOR: SUMMIT, LLC

NV5
 BEYOND ENGINEERING
 5217 SOUTH STATE STREET, SUITE 200
 801743.000 TEL. 801743.000 FAX
 MURRAY, UT 84107
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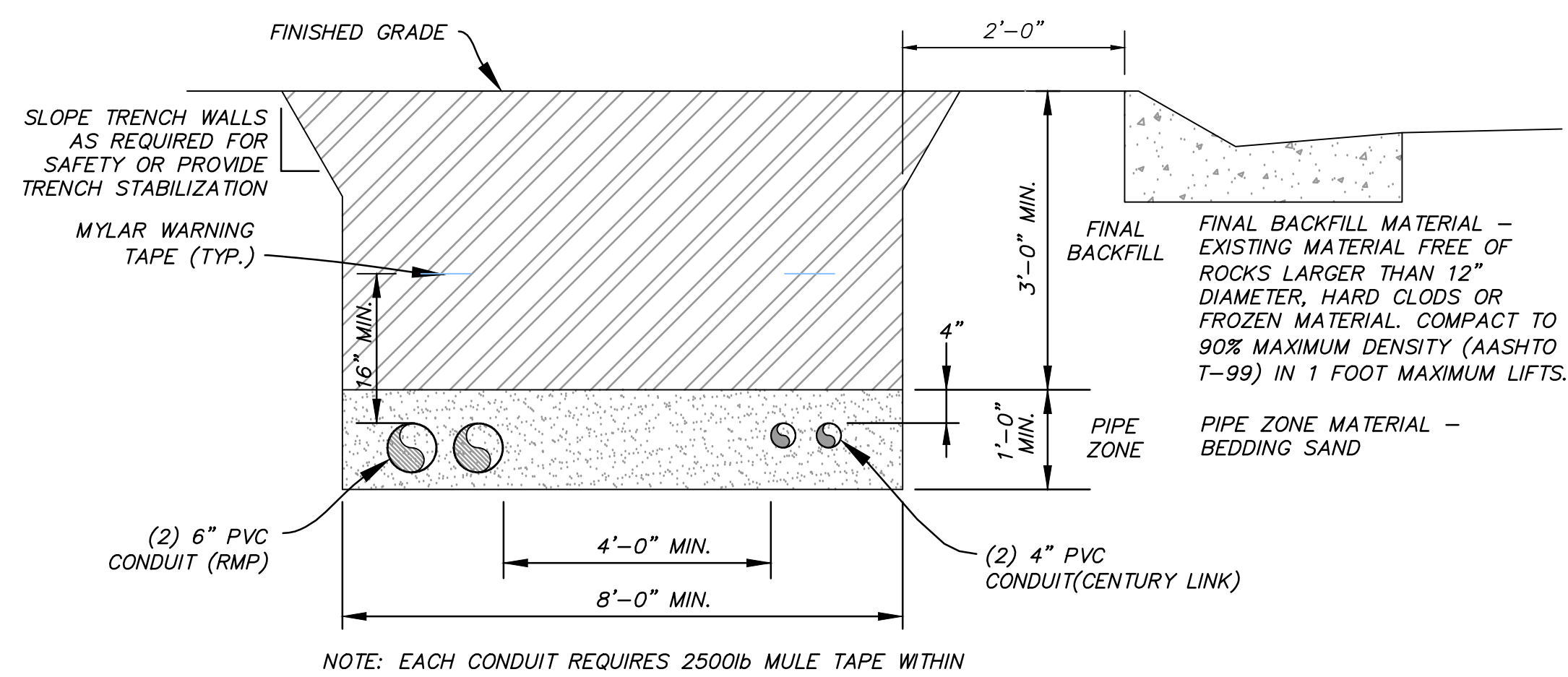
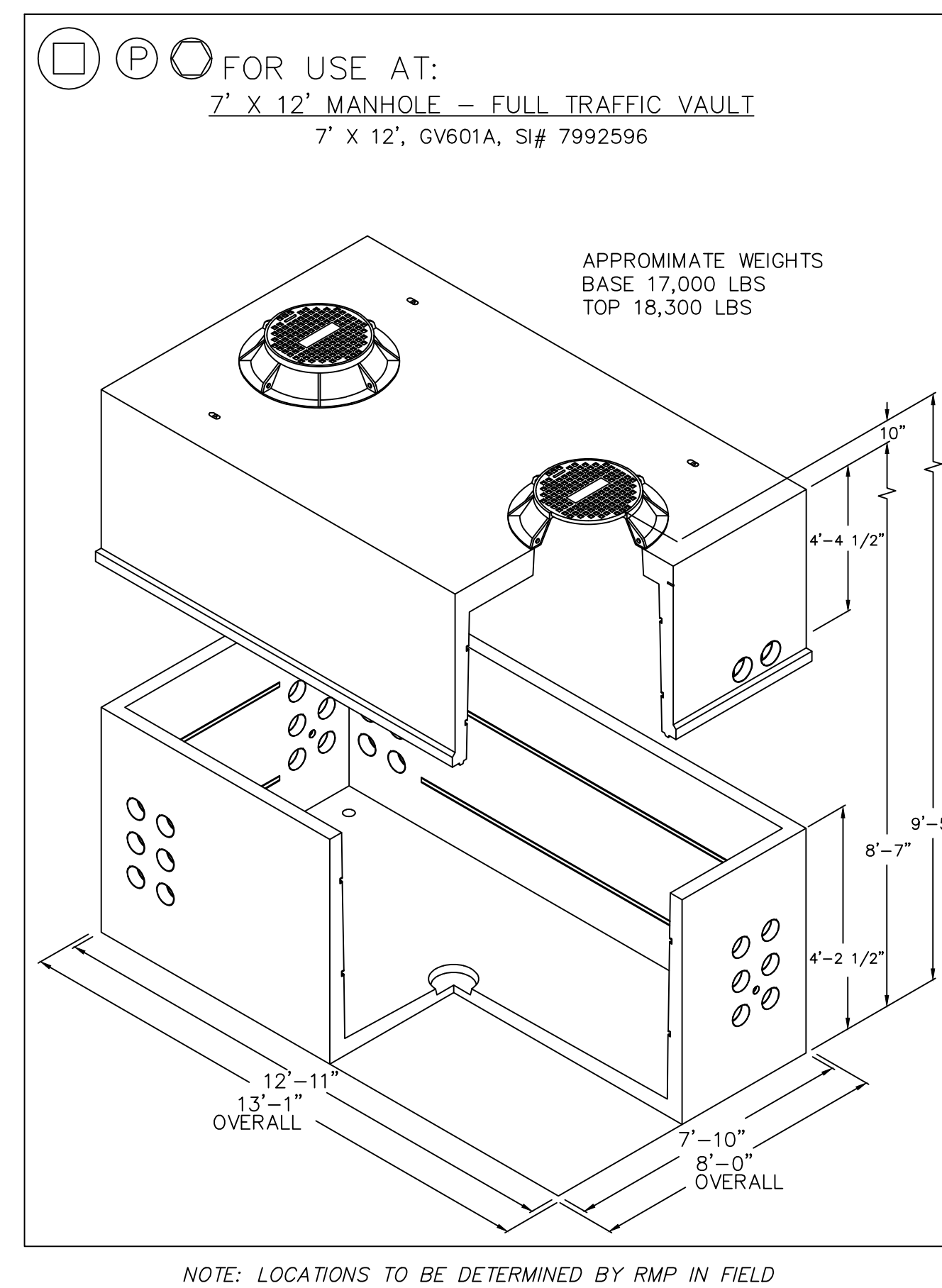
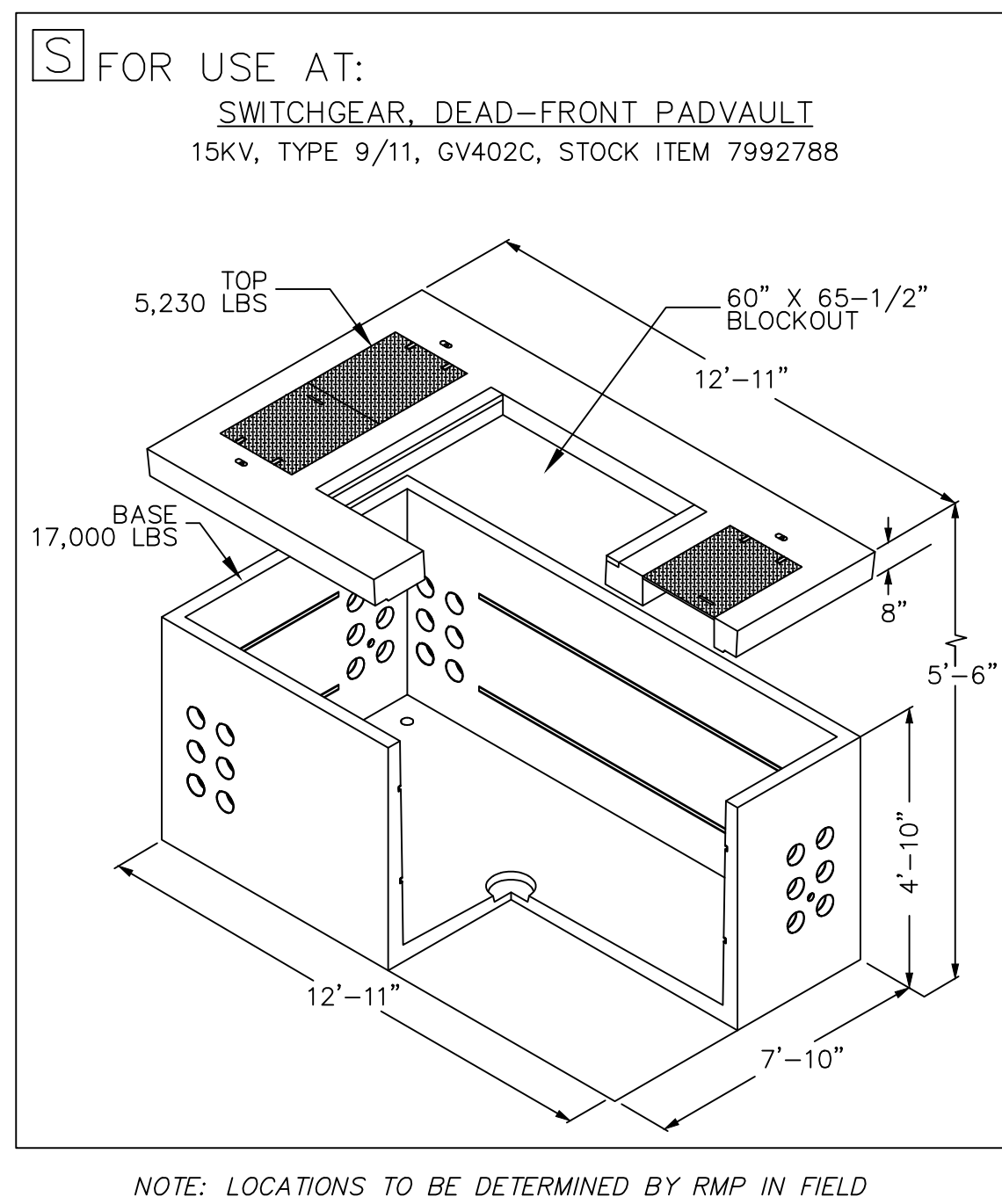
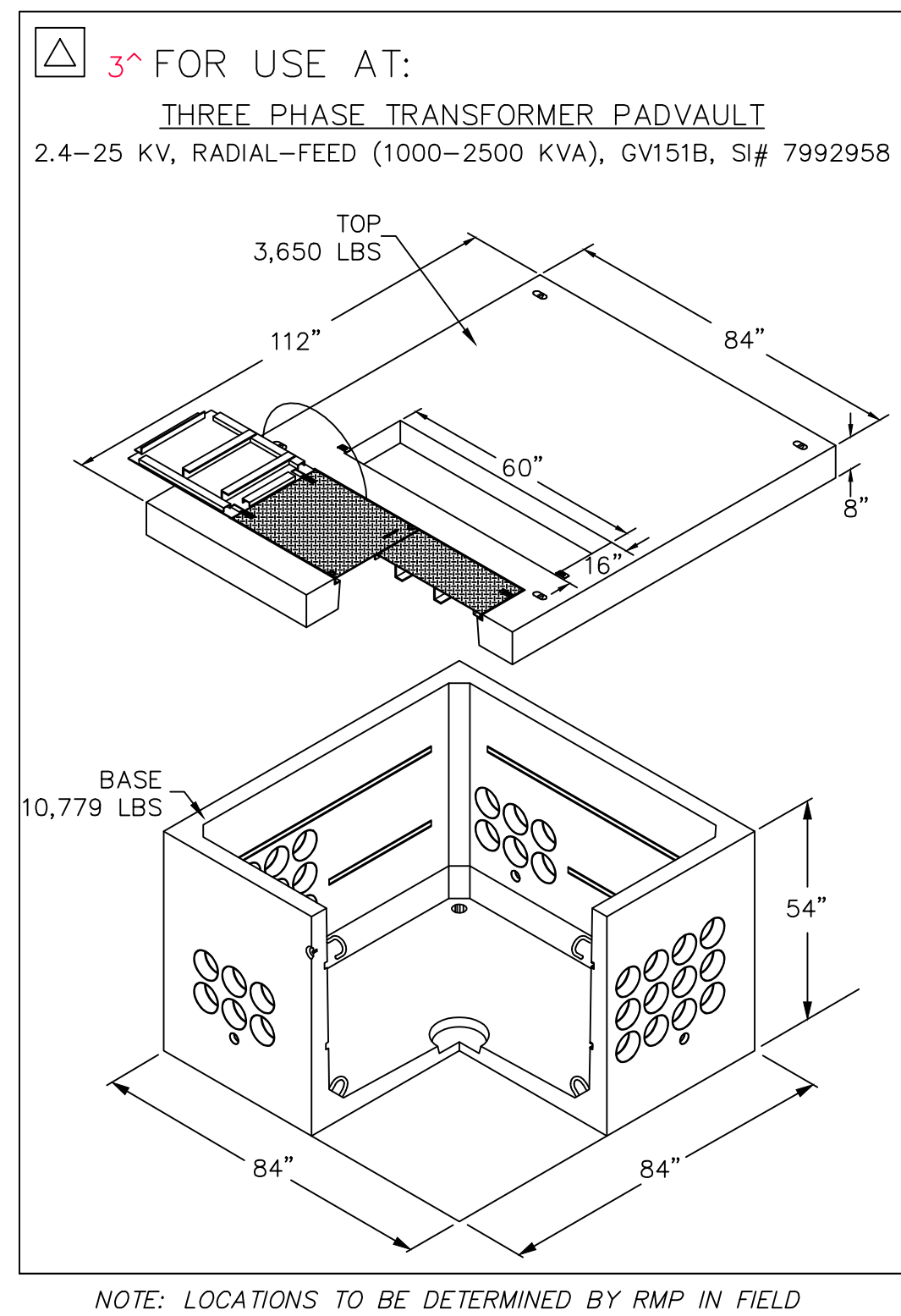
LEGEND															
PUMP NAME	INVERT IN	INVERT IN SIZE	SUMP ELEV	BASIN DIA.	PUMP HEAD	PUMP HP	DISCHARGE DIA	DISCHARGE VELOCITY	MIN STORAGE VOLUME (gal)	STATION DETAIL	PUMP	FLOW (GPM)	AUTO DIALER	MAIN POWER TRANSFER SWITCH	POWER
GR-5	8758.30	8"	8753.34	72"	95	5	2.5"	2.16	1050	DUPLX 3000 SERIES	SUBMERSIBLE GRINDER PUMP E-ONE 3H51	35	CELLULAR	MANUAL	1 PHASE-208/230 VOLT

A SEWER GRINDER PUMP DETAILS
 SCALE: 1" = N.T.S.



SHEET NUMBER	5.10
SCALE	VERTICAL: 1" = N/A HORIZONTAL: 1" = N/A
JOB NUMBER	SLB079306

CAUTION
 The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans, and must be approved by the preparer of these plans.



A
VAR **POWER CONDUIT TRENCH**
 NTS

NO.	BY	DATE	REVISIONS
1	RMC	7/27/2013	UTILITY UPDATES

CAUTION
 The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Any such changes or uses must be approved by the preparer of these plans.

PHASE 1B CONSTRUCTION
ELECTRICAL DETAILS

DATE SUBMITTED: 9/24/2013

PREPARED FOR: SUMMIT, LLC

NV5
 BEYOND ENGINEERING
 5217 SOUTH STATE STREET, SUITE 200
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 MURRAY, UT 84107
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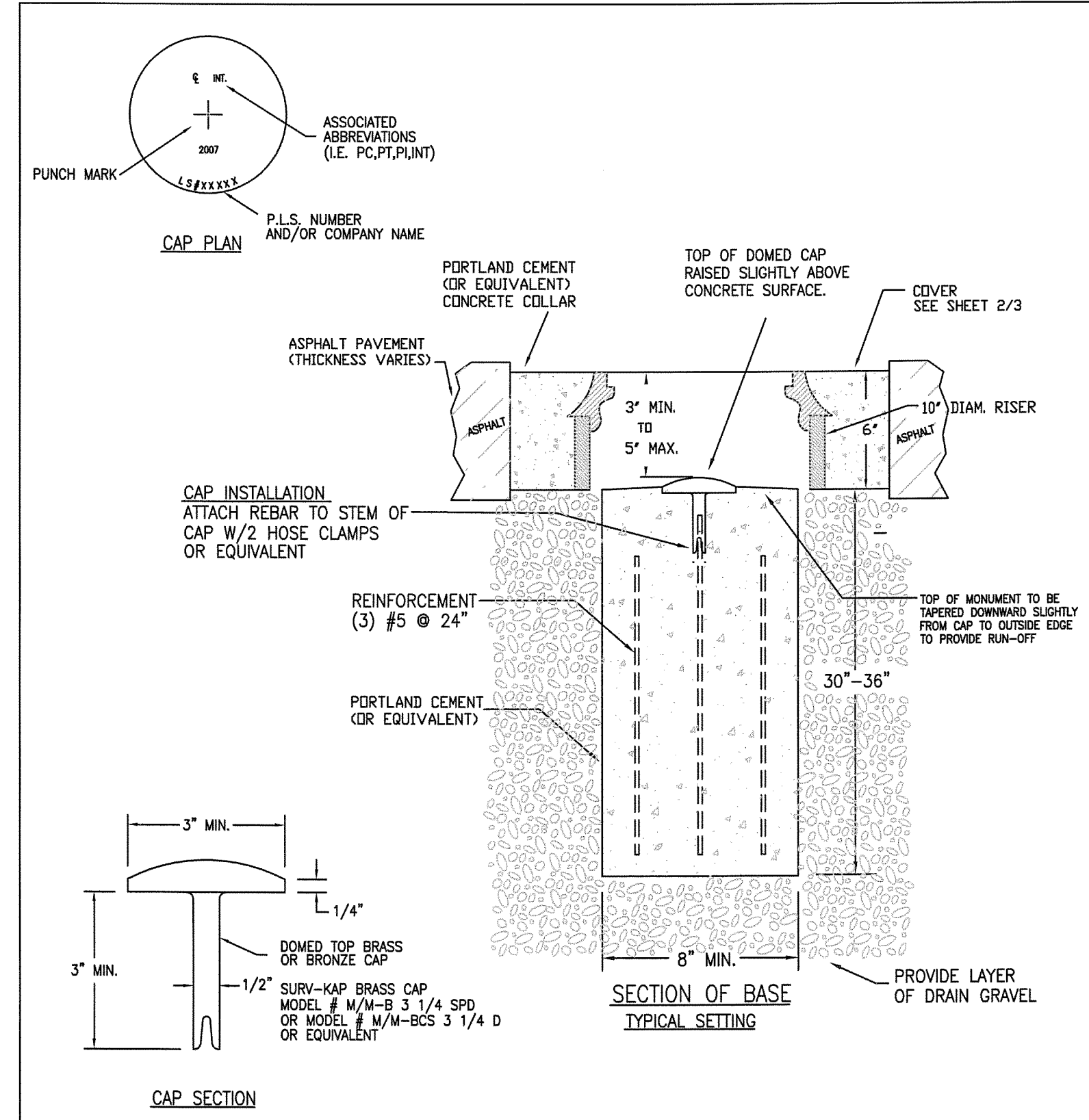
REGISTERED PROFESSIONAL ENGINEER
 No. 7899506
 RYAN W. CATHEY
 STATE OF UTAH

SHEET NUMBER
5.20

SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = N/A

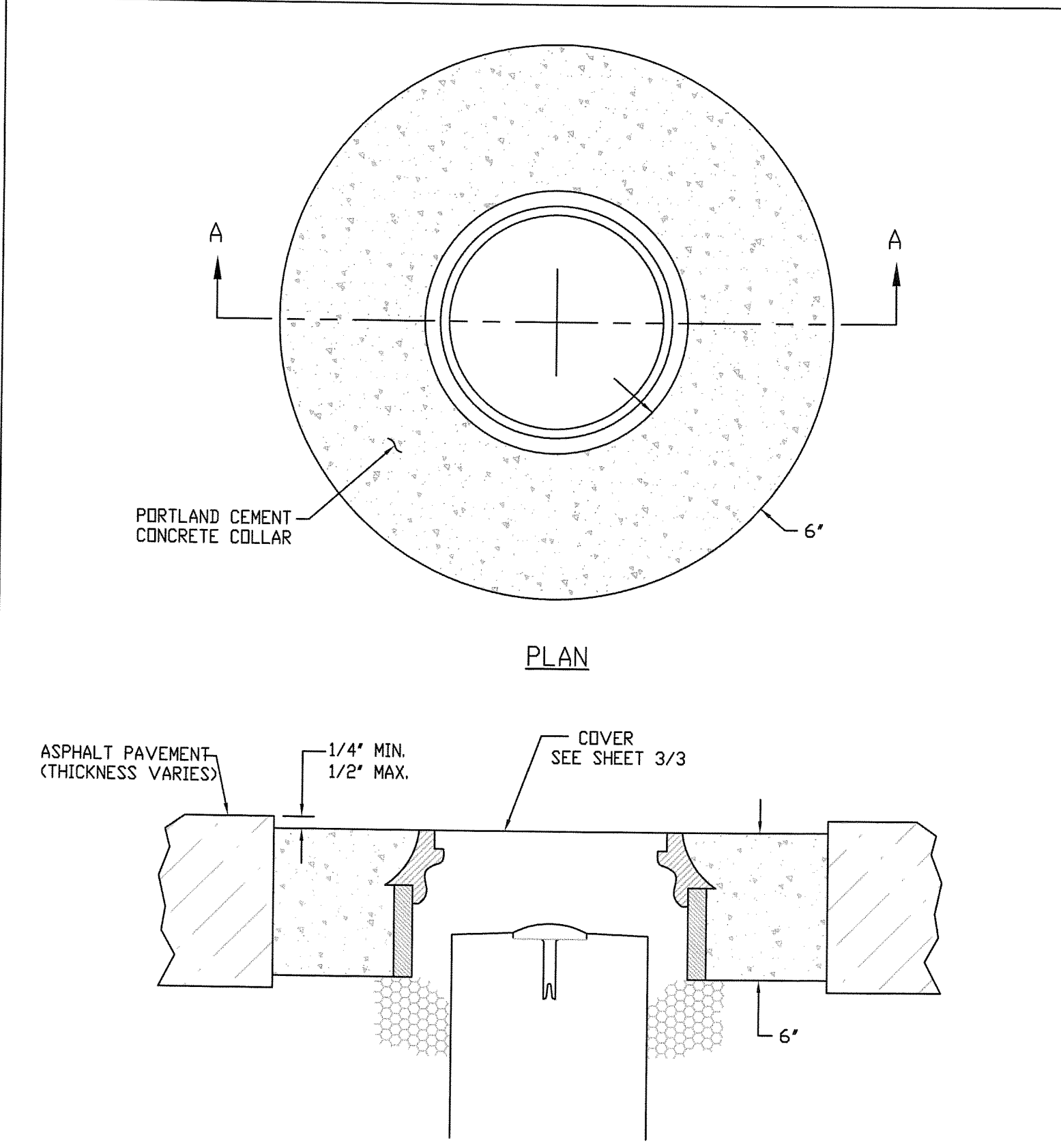
JOB NUMBER
SLB079306



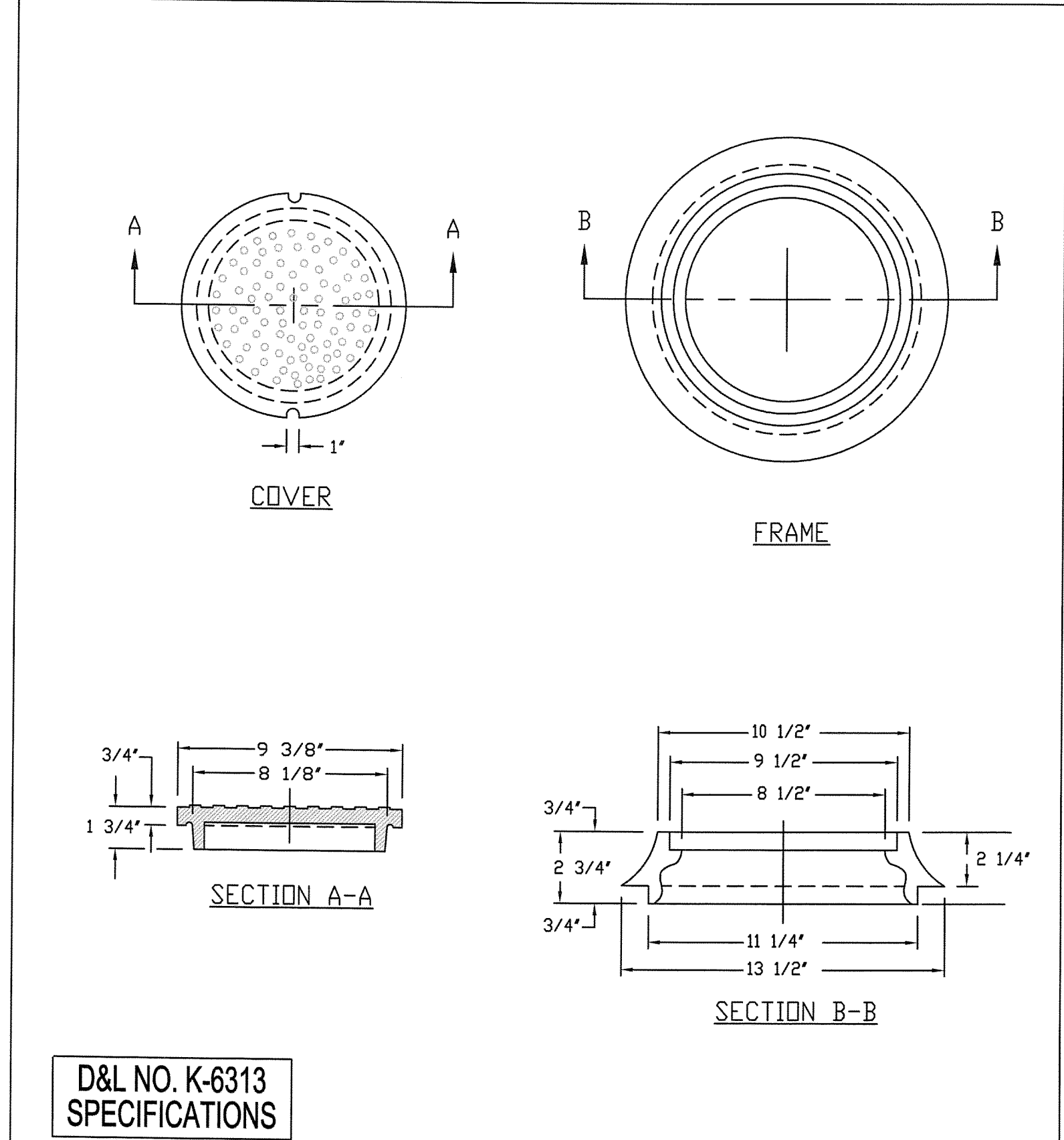


CAP CAN BE PURCHASED FROM SURVEYOR'S OFFICE

WEBER COUNTY SURVEY OFFICE	RING & LID SURVEY MONUMENT	STANDARD PLANS
		Monument Standard
3/28/10	399-8020	SHEET 1 OF 3



WEBER COUNTY SURVEY OFFICE	Cover Collar For Survey Monuments	STANDARD PLANS
		Monument Specifications
3/28/10	399-8020	SHEET 2 OF 3



D&L NO. K-6313
SPECIFICATIONS

WEBER COUNTY SURVEY OFFICE	RING & LID SURVEY MONUMENT	STANDARD PLANS
		Monument Specifications
3/28/10	399-8020	SHEET 3 OF 3

NO.	BY	DATE	REVISIONS
1	RHC	7/27/2013	UTILITY UPDATES

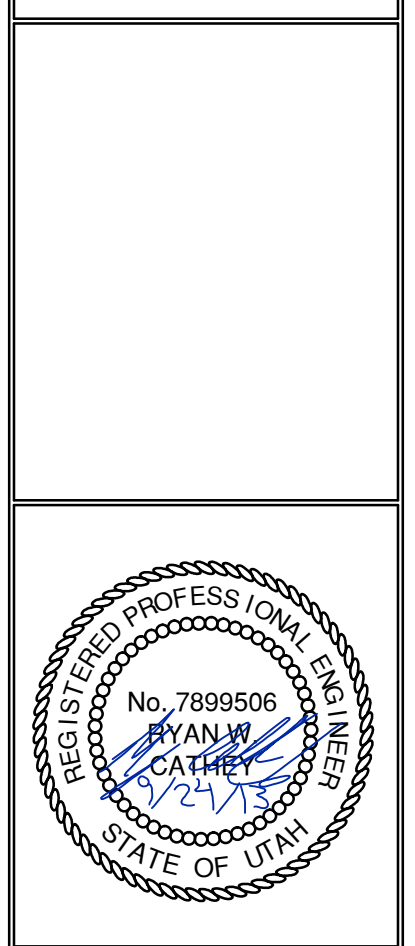
PHASE 1B CONSTRUCTION
MISCELLANEOUS DETAILS

DATE SUBMITTED: 9/24/2013

PREPARED FOR: SUMMIT, LLC

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SHEET NUMBER	5.30
SCALE	VERTICAL: 1" = N/A HORIZONTAL: 1" = N/A
JOB NUMBER	SLB079306

