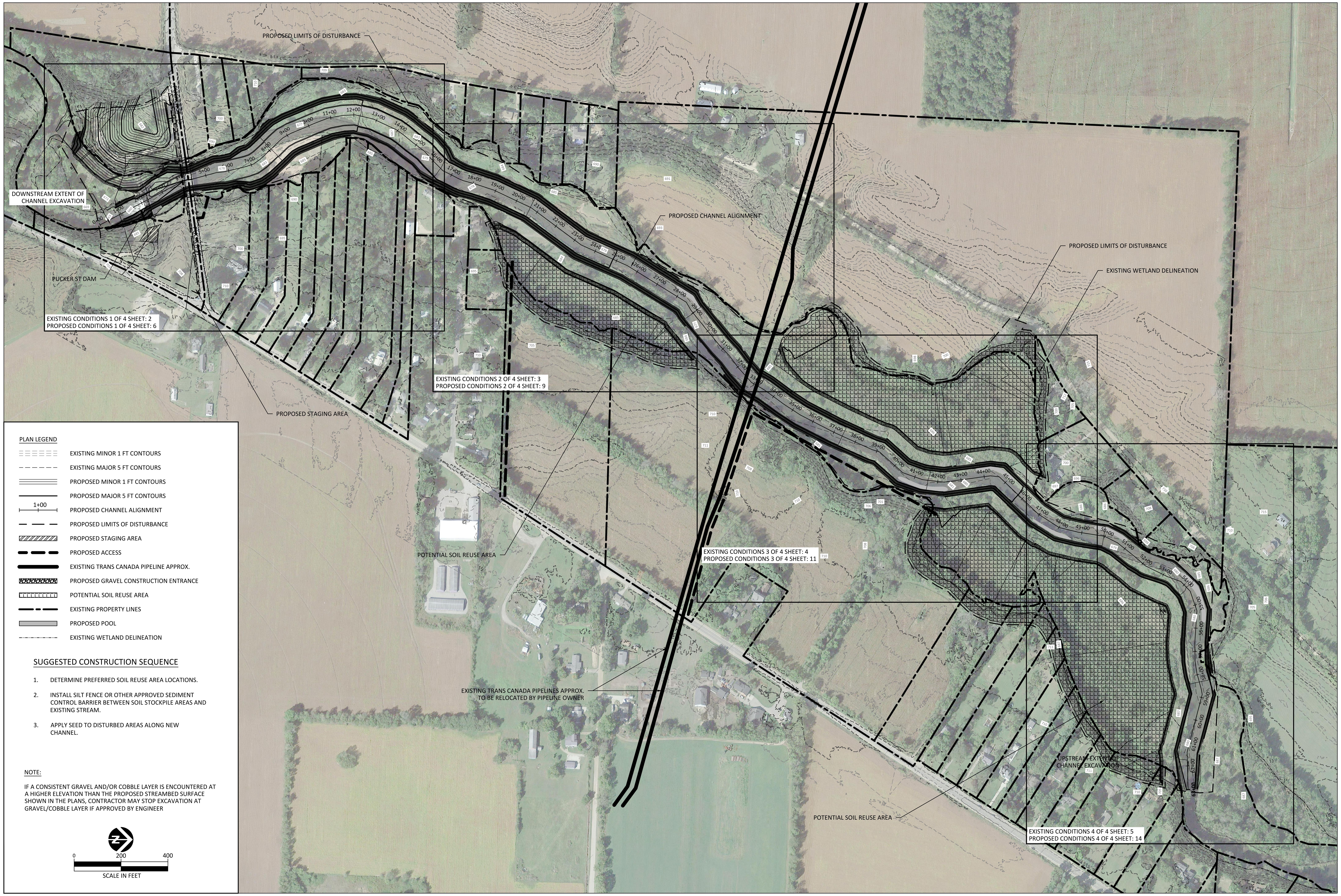


PLAN LEGEND

- EXISTING MINOR 1 FT CONTOURS
- EXISTING MAJOR 5 FT CONTOURS
- PROPOSED MINOR 1 FT CONTOURS
- PROPOSED MAJOR 5 FT CONTOURS
- 1+00 PROPOSED CHANNEL ALIGNMENT
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED STAGING AREA
- PROPOSED ACCESS
- EXISTING TRANS CANADA PIPELINE APPROX.
- PROPOSED GRAVEL CONSTRUCTION ENTRANCE
- POTENTIAL SOIL REUSE AREA
- EXISTING PROPERTY LINES
- PROPOSED POOL
- EXISTING WETLAND DELINEATION

## SUGGESTED CONSTRUCTION SEQUENCE

1. DETERMINE PREFERRED SOIL REUSE AREA LOCATIONS.
2. INSTALL SILT FENCE OR OTHER APPROVED SEDIMENT CONTROL BARRIER BETWEEN SOIL STOCKPILE AREAS AND EXISTING STREAM.
3. APPLY SEED TO DISTURBED AREAS ALONG NEW CHANNEL.

NOTE:

IF A CONSISTENT GRAVEL AND/OR COBBLE LAYER IS ENCOUNTERED AT A HIGHER ELEVATION THAN THE PROPOSED STREAMBED SURFACE SHOWN IN THE PLANS, CONTRACTOR MAY STOP EXCAVATION AT GRAVEL/COBBLE LAYER IF APPROVED BY ENGINEER

0 200 400
SCALE IN FEET

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9835 Portage Road
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Phone: (269) 327-3532
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301 S. Livingston St., Suite 200
Madison, WI 53703
608.441.0342
www.interfluve.com

PROJECT NAME:

PUCKER ST DAM REMOVAL & CHANNEL EXCAVATION

PROJECT LOCATION:

CITY OF NILES
BERRIEN COUNTY
MICHIGAN

REVISIONS

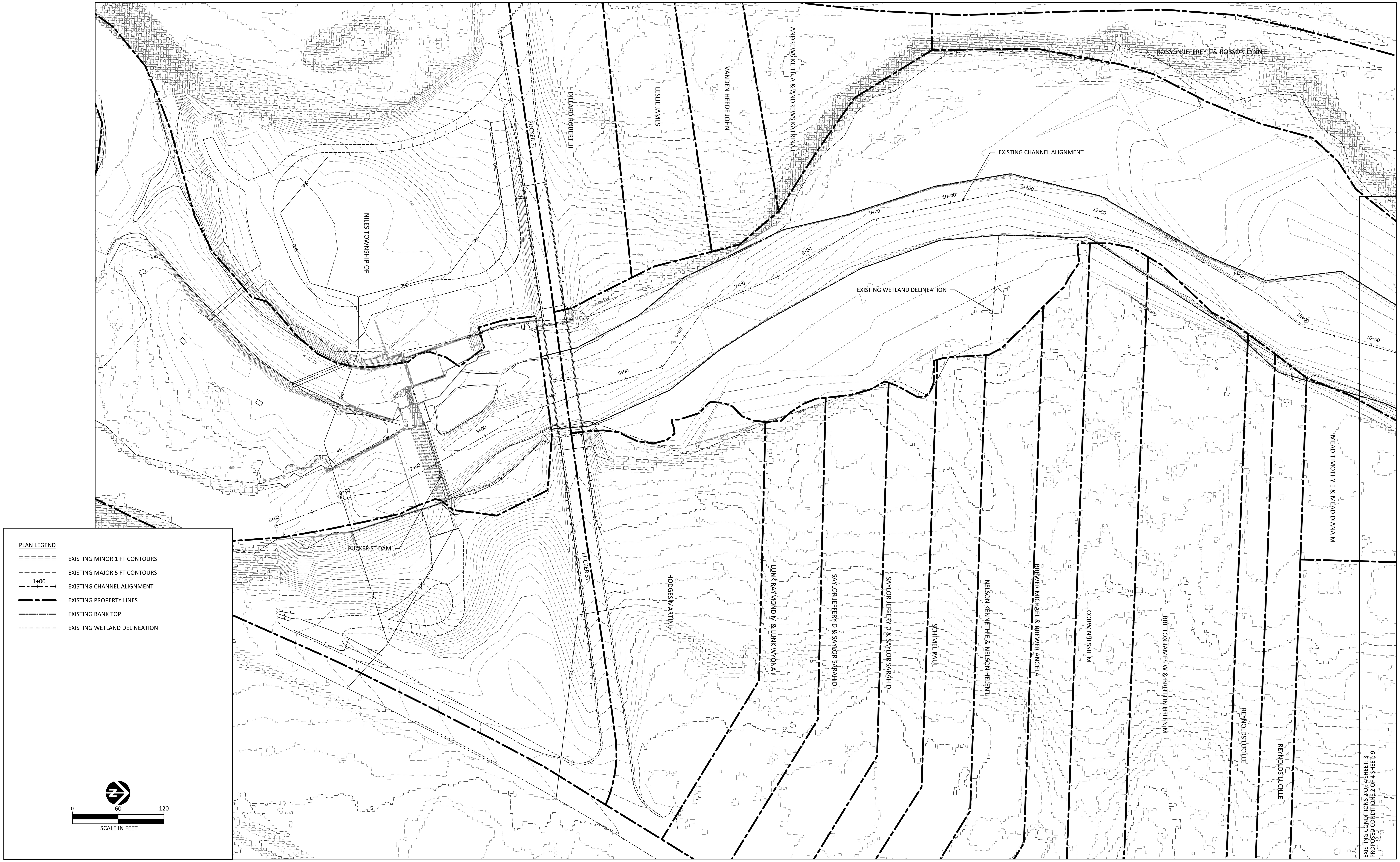
C:\Users\cphillips\Drawings\Pucker_St_Dam\IFI Pucker St Dam Design.dwg
SITE PLAN 11/9/2017 10:16:21 AM

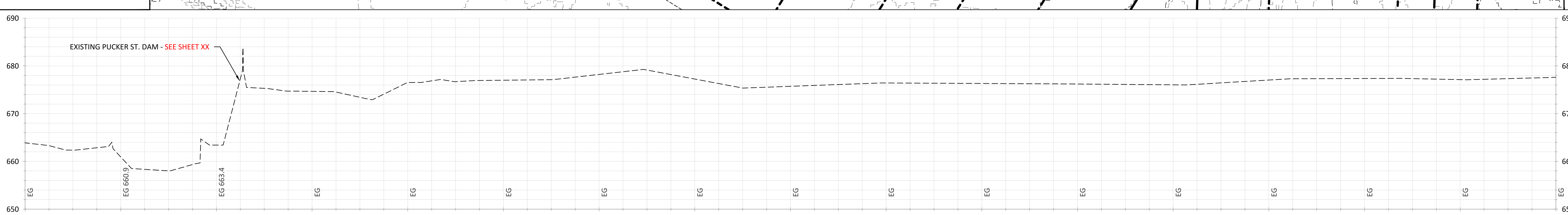


DATE: November 9, 2017
SCALE: 1" = 200'

SITE PLAN

SHEET: 1 OF 21
JOB NUMBER:
14-04-05




EXISTING ALIGNMENT PROFILE

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MICHIGAN

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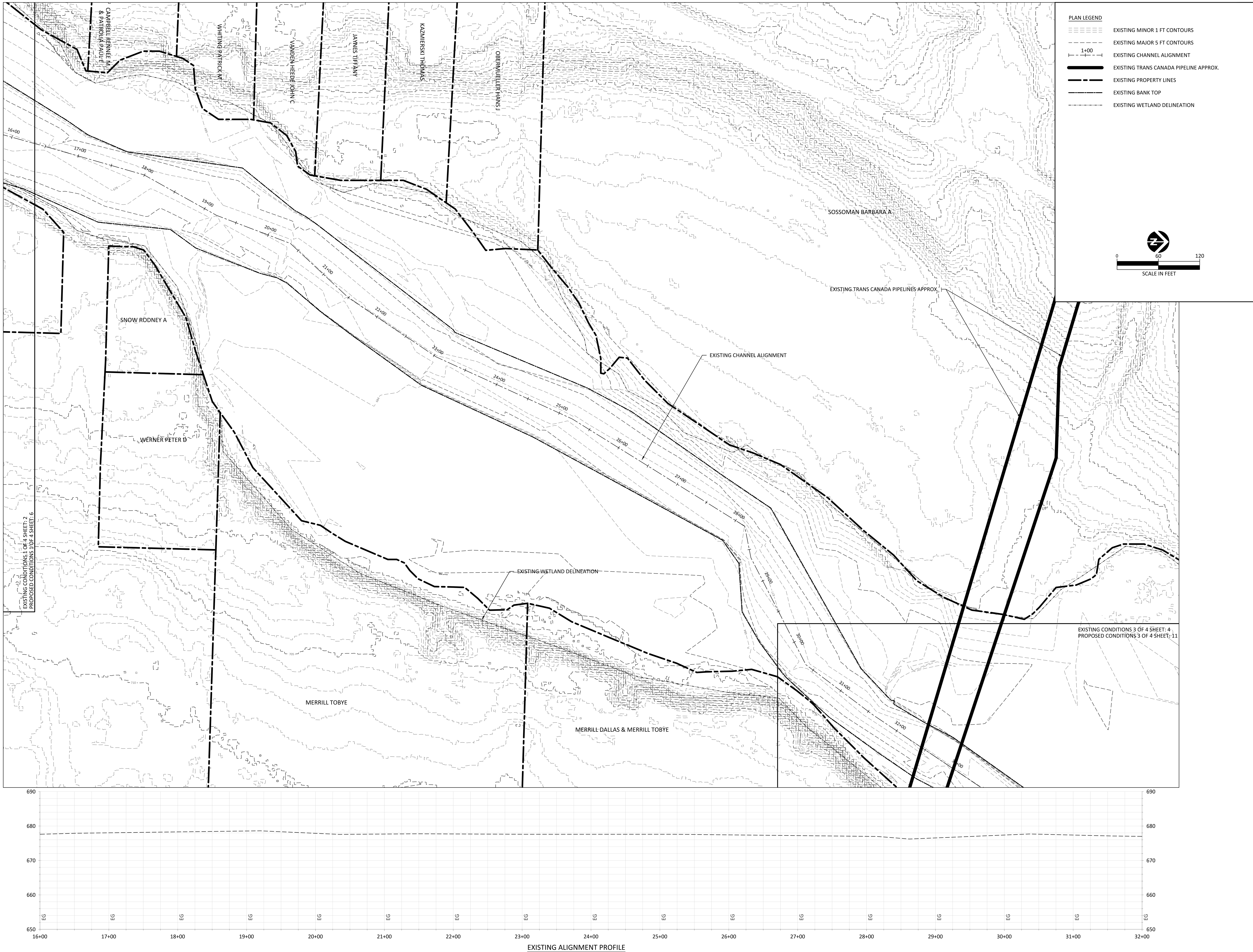
DATE: November 9, 2017
SCALE: 1" = 60'

EXISTING CONDITIONS
1 OF 4

SHEET: 2 OF 21
JOB NUMBER:
14-04-05

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EC 2 OF 4 11/9/2017 10:16:58 AM

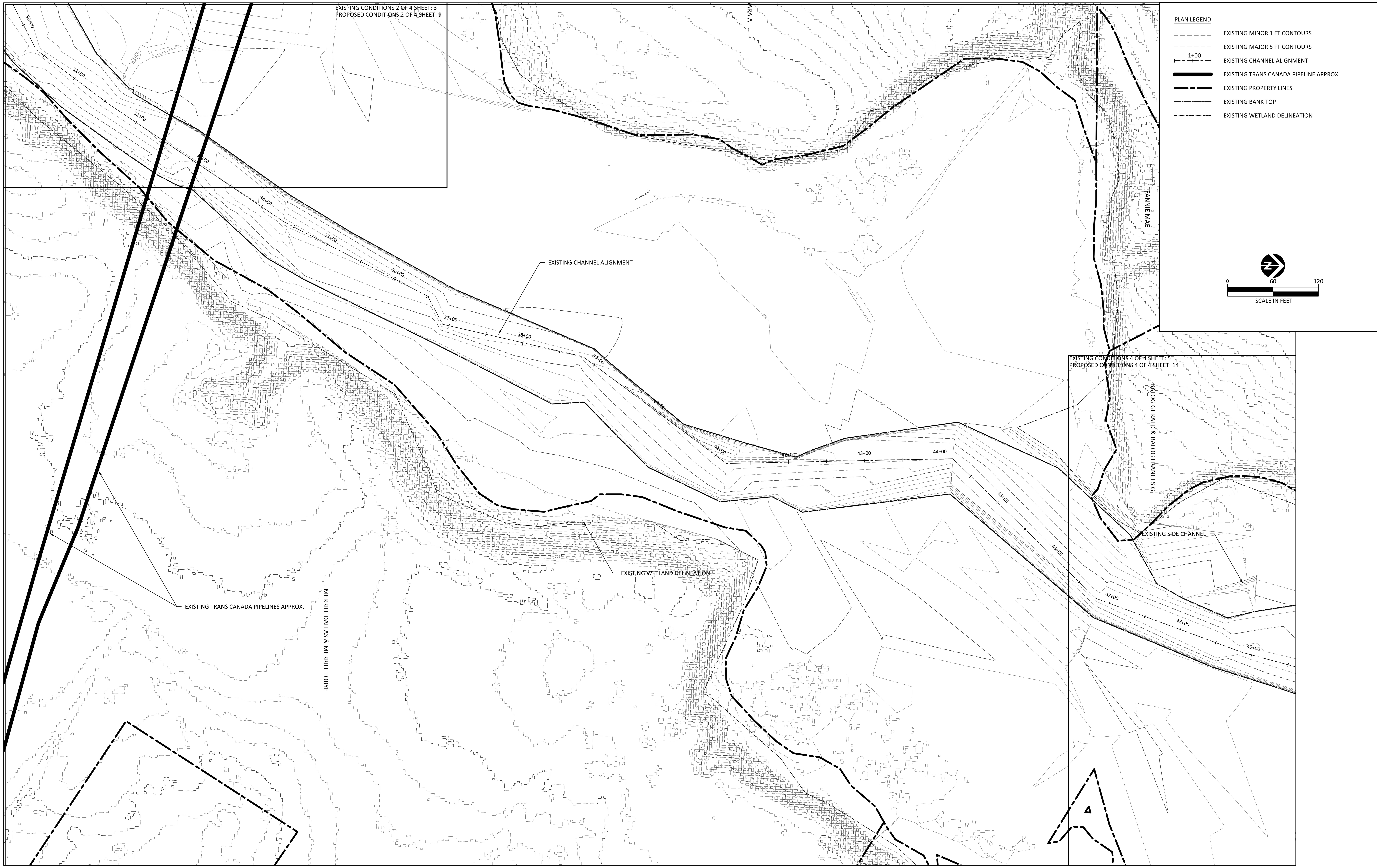


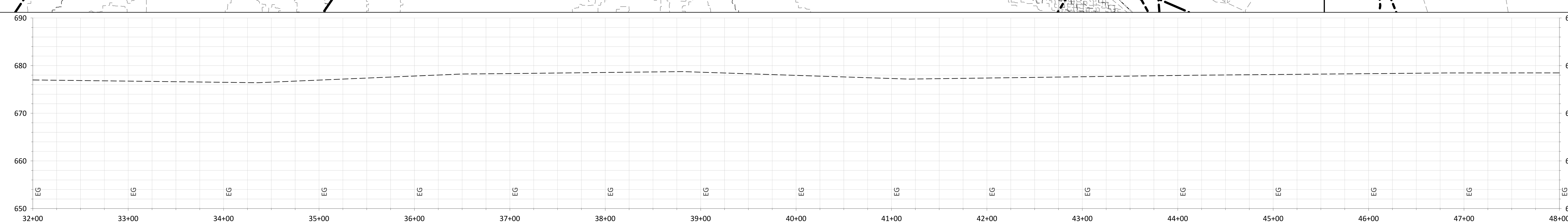
DATE: November 9, 2017
SCALE: 1" = 60'

EXISTING CONDITIONS
2 OF 4

SHEET: 3 OF 21

JOB NUMBER:
14-04-05




EXISTING ALIGNMENT PROFILE

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EC 3 OF 4 11/9/2017 10:17:18 AM

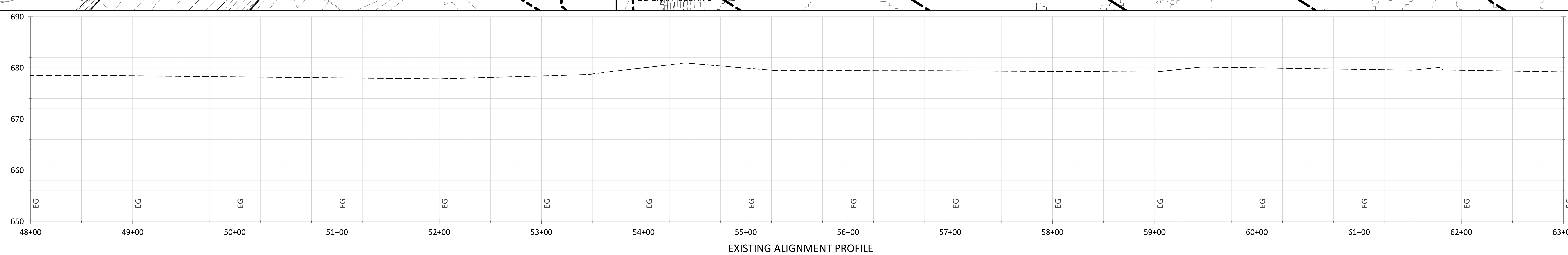


DATE: November 9, 2017
SCALE: 1" = 60'

EXISTING CONDITIONS 3 OF 4



JOB NUMBER:
14-04-05



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EC 4 OF 4 11/9/2017 10:17:38 AM



DATE: November 9, 2017
SCALE: 1" = 60'

EXISTING CONDITIONS 4 OF 4

SHEET: 5 OF 21
JOB NUMBER:
14-04-05


PLAN LEGEND

- EXISTING MINOR 1 FT CONTOURS
- EXISTING MAJOR 5 FT CONTOURS
- PROPOSED MINOR 1 FT CONTOURS
- PROPOSED MAJOR 5 FT CONTOURS
- 1+00 PROPOSED CHANNEL ALIGNMENT
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED STAGING AREA
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- EXISTING PROPERTY LINES
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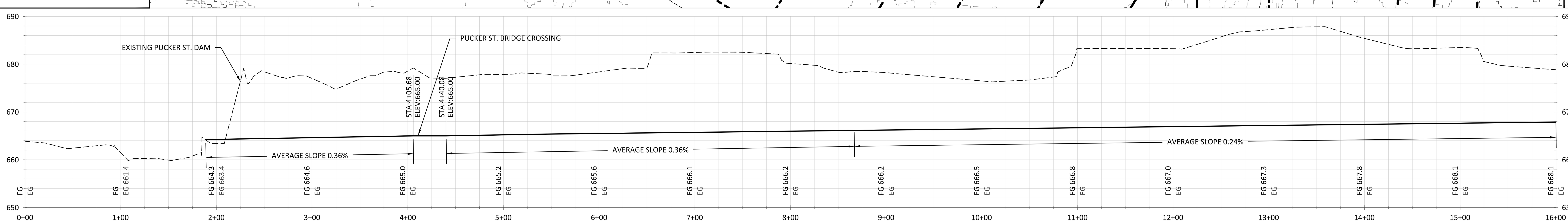
0 60 120
SCALE IN FEET




PROPOSED ALIGNMENT PROFILE

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REVISIONS

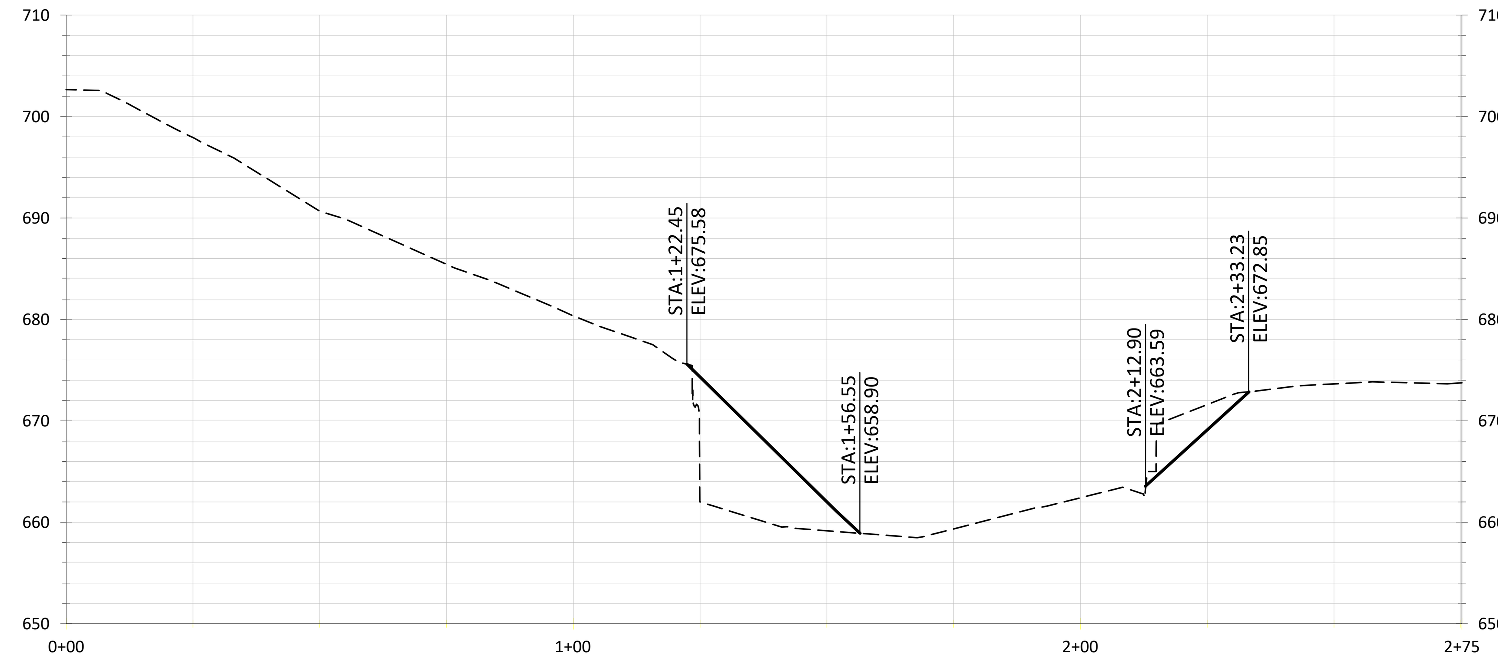


DATE: November 9, 2017
SCALE: 1" = 60'

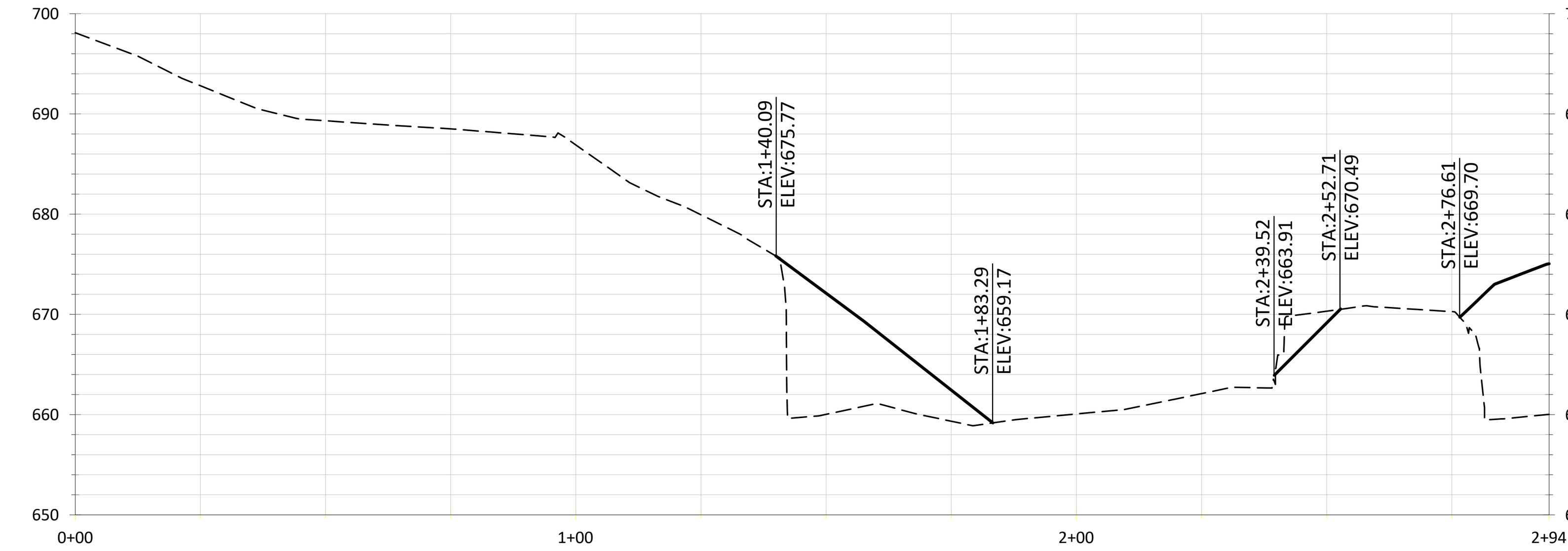
PROPOSED CONDITIONS 1 OF 4



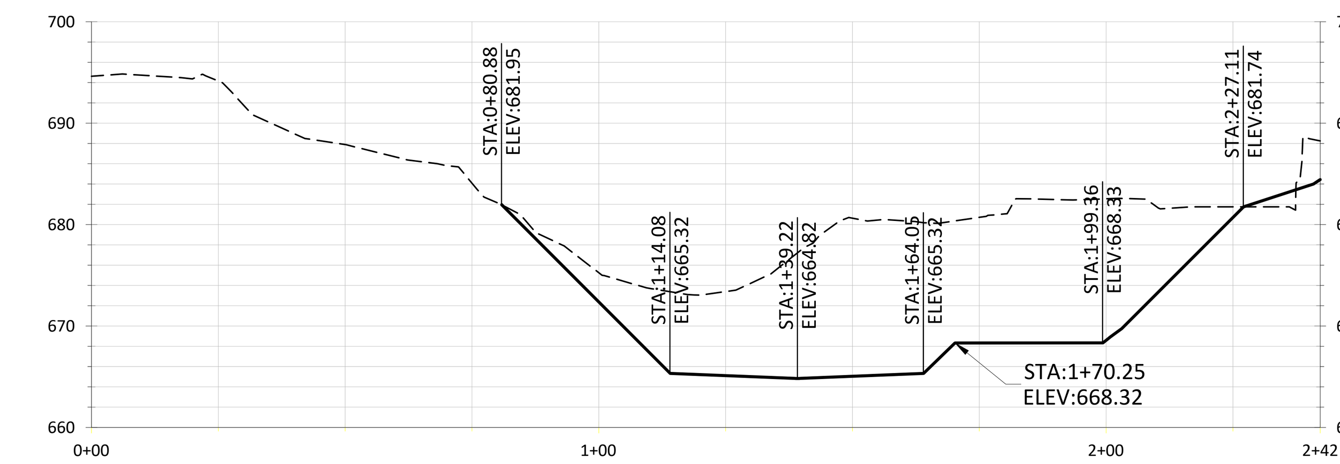
JOB NUMBER: 14-04-05




1/7 CONSTRUCTION CROSS SECTION
STA: 1+15
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




2/7 CONSTRUCTION CROSS SECTION
STA: 1+70
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

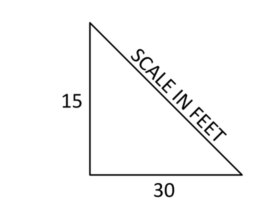


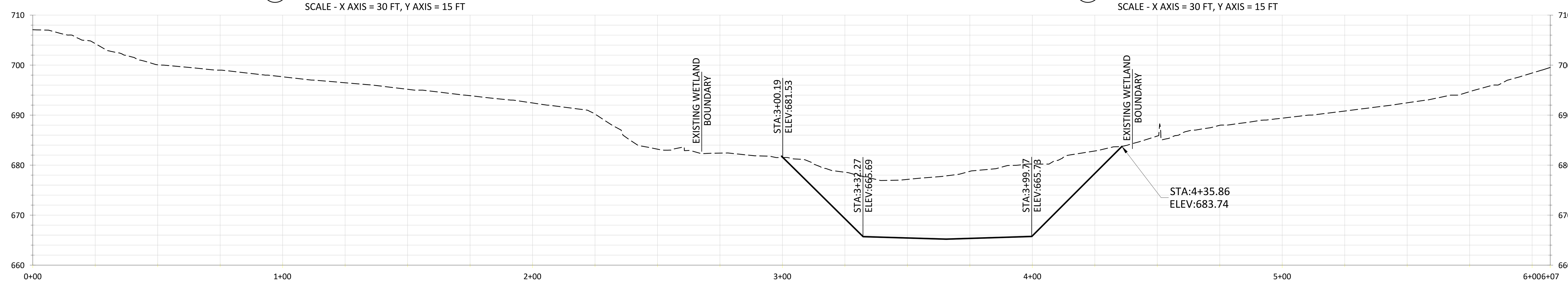

3/7 CONSTRUCTION CROSS SECTION
STA: 3+55
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

PLAN LEGEND

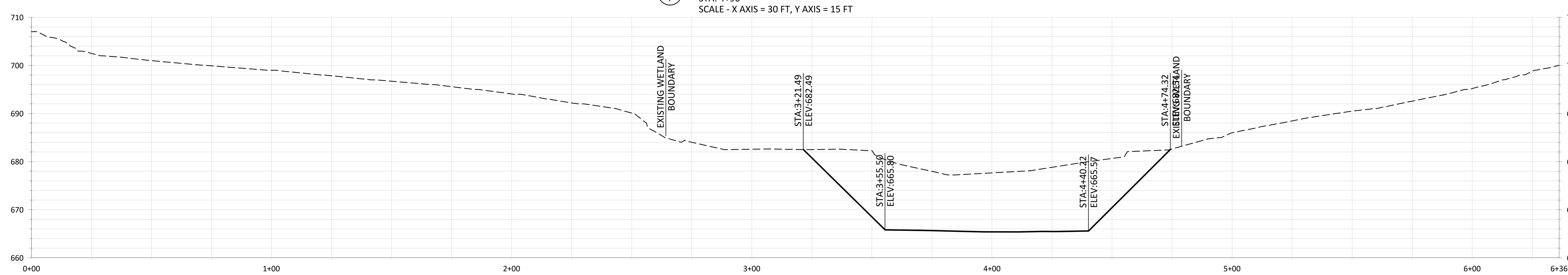
EXISTING GRADE

PROPOSED GRADE

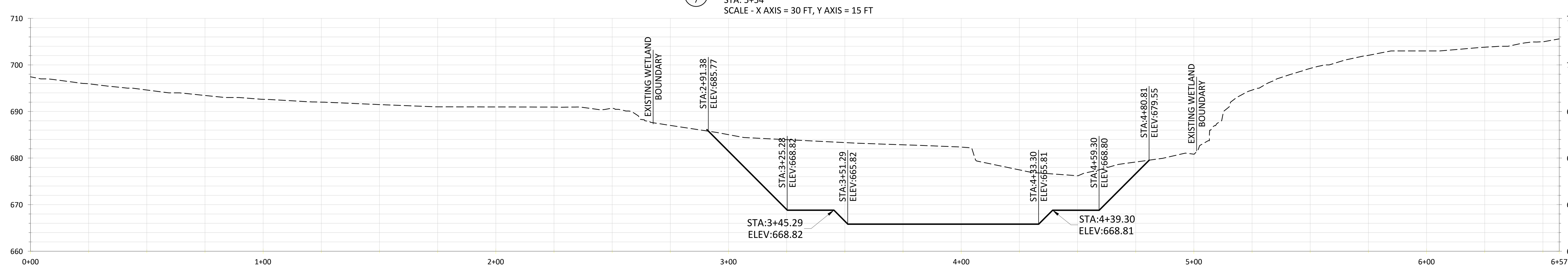


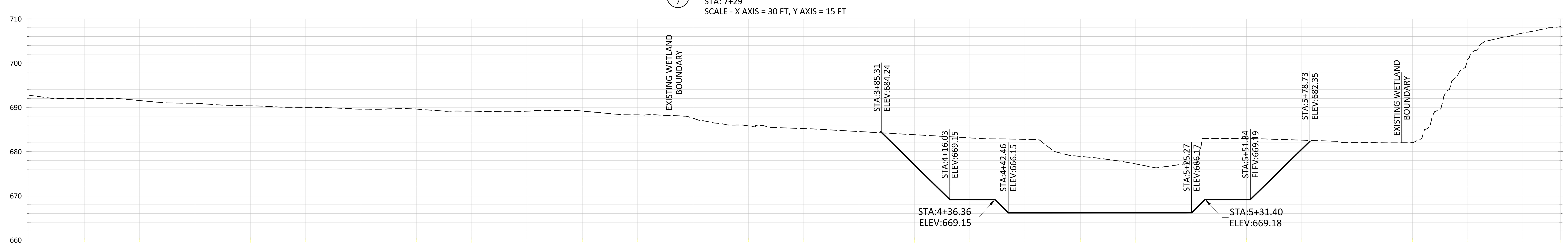

4/7 CONSTRUCTION CROSS SECTION
STA: 4+96
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




5/7 CONSTRUCTION CROSS SECTION
STA: 5+54
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




6/7 CONSTRUCTION CROSS SECTION
STA: 7+29
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




7/7 CONSTRUCTION CROSS SECTION
STA: 8+79
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

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PROJECT NAME:
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PROJECT LOCATION:
CITY OF NILES
BERRIEN COUNTY
MICHIGAN

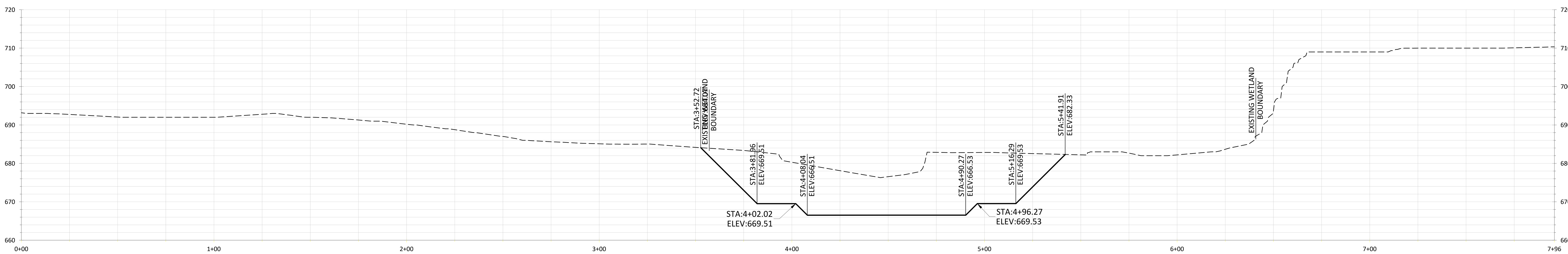
REVISIONS



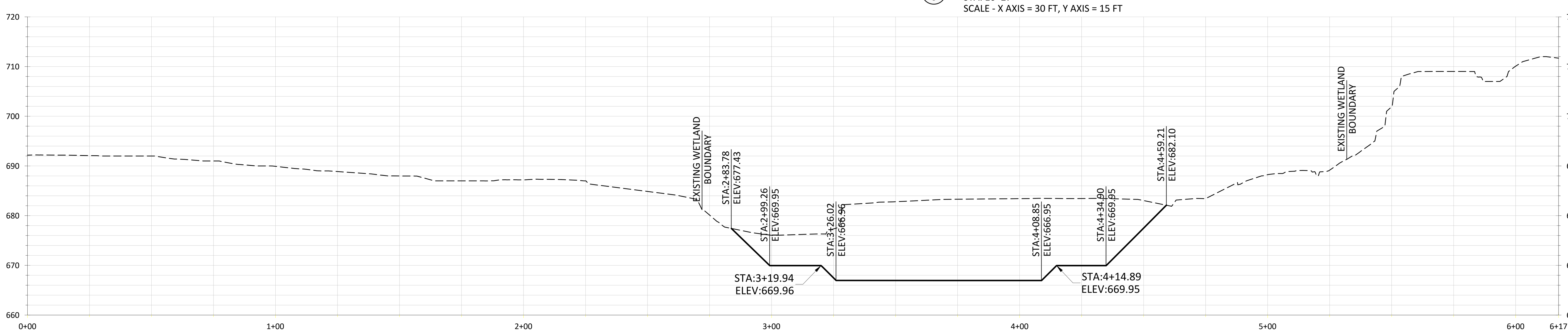
DATE: November 9, 2017
SCALE: H - 1" = 30' V - 1" = 15

CONSTRUCTION CROSS SECTIONS 1 OF 7

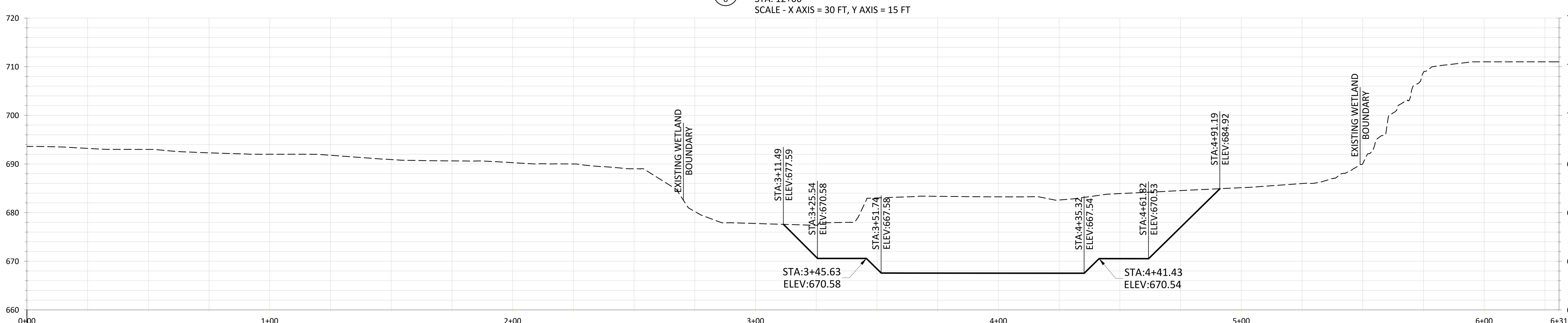

JOB NUMBER:
14-04-05



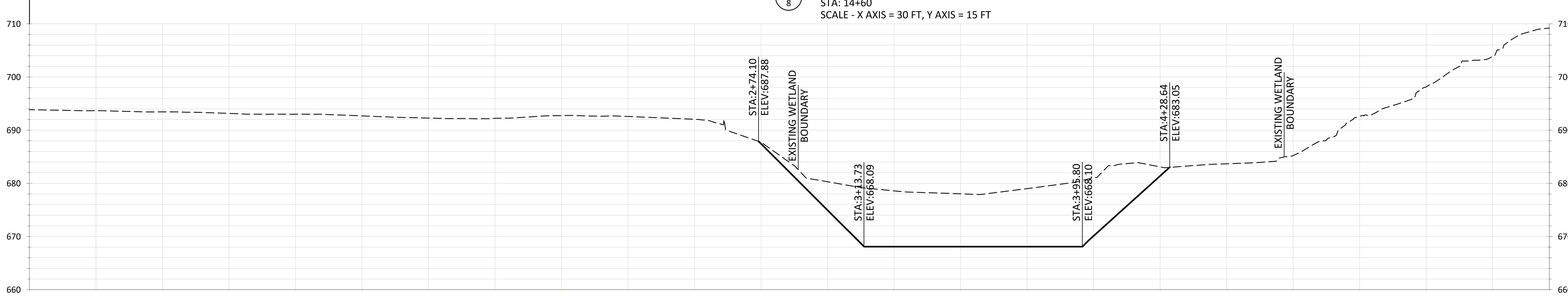

8/8 CONSTRUCTION CROSS SECTION
STA: 10+27
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




9/8 CONSTRUCTION CROSS SECTION
STA: 12+06
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




10/8 CONSTRUCTION CROSS SECTION
STA: 14+60
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

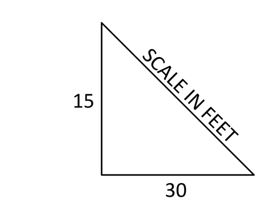



11/8 CONSTRUCTION CROSS SECTION
STA: 16+84
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

PLAN LEGEND

EXISTING GRADE

PROPOSED GRADE





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DATE: November 9, 2017

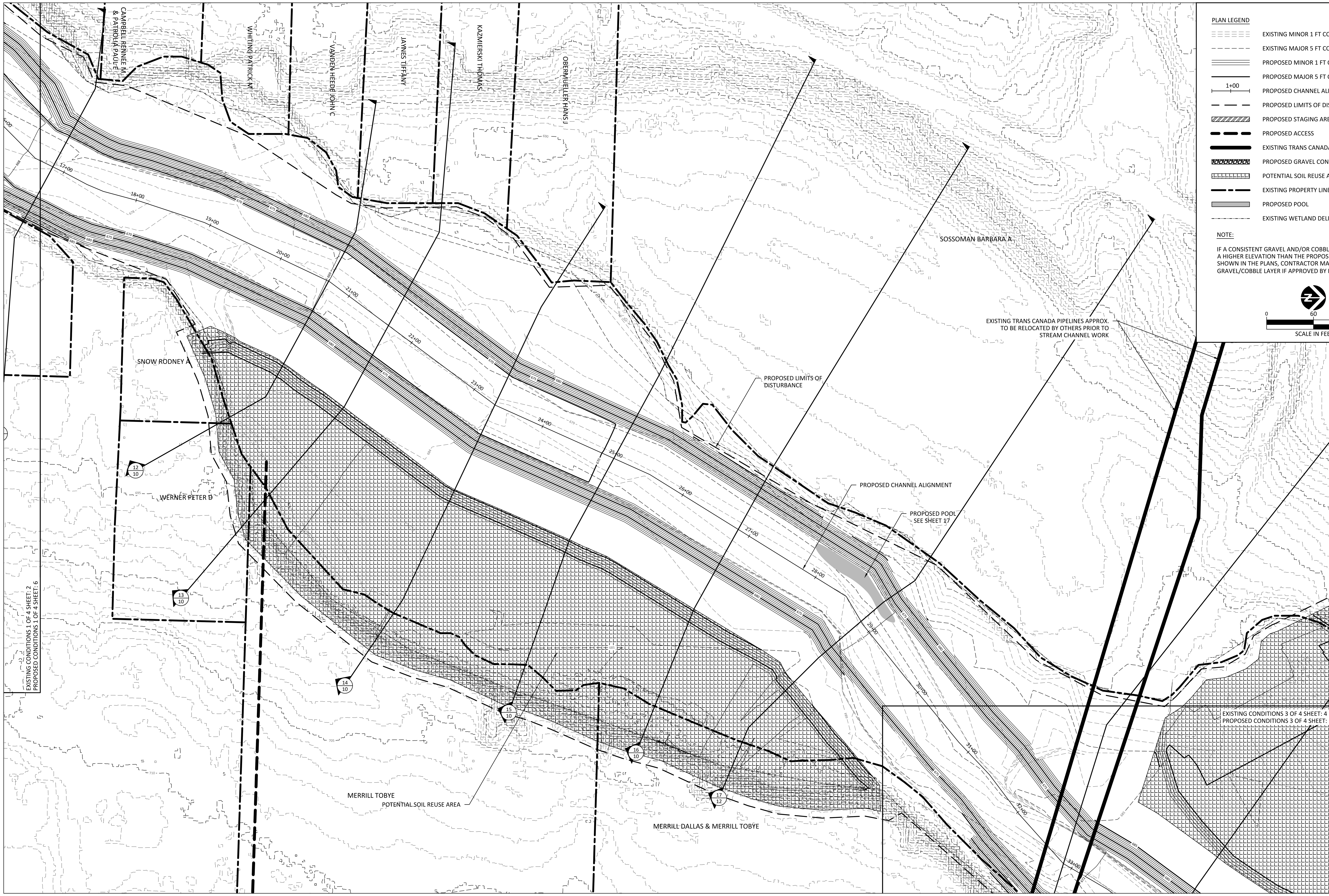
SCALE: H - 1" = 30' V - 1" = 15

CONSTRUCTION CROSS SECTIONS 2 OF 7

SHEET: 8 OF 21

JOB NUMBER:

14-04-05




PLAN LEGEND

- EXISTING MINOR 1 FT CONTOURS
- EXISTING MAJOR 5 FT CONTOURS
- PROPOSED MINOR 1 FT CONTOURS
- PROPOSED MAJOR 5 FT CONTOURS
- 1+00 PROPOSED CHANNEL ALIGNMENT
- PROPOSED LIMITS OF DISTURBANCE
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- PROPOSED ACCESS
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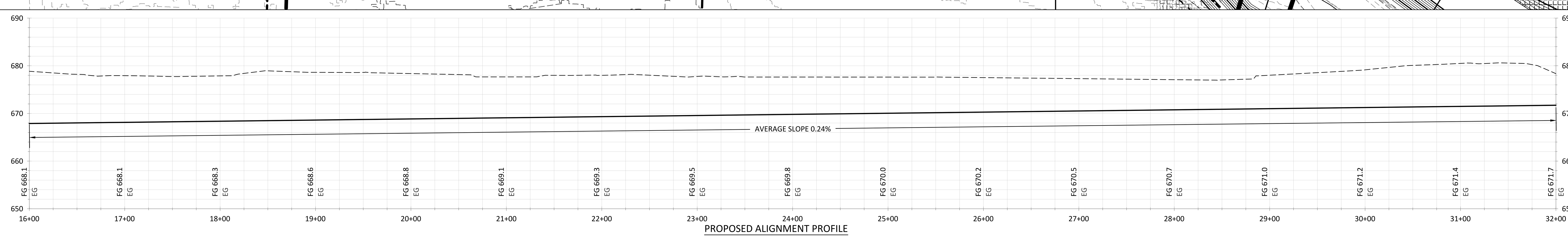
0 60 120
SCALE IN FEET




PROPOSED ALIGNMENT PROFILE

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PC 2 OF 4 11/9/2017 10:18:39 AM

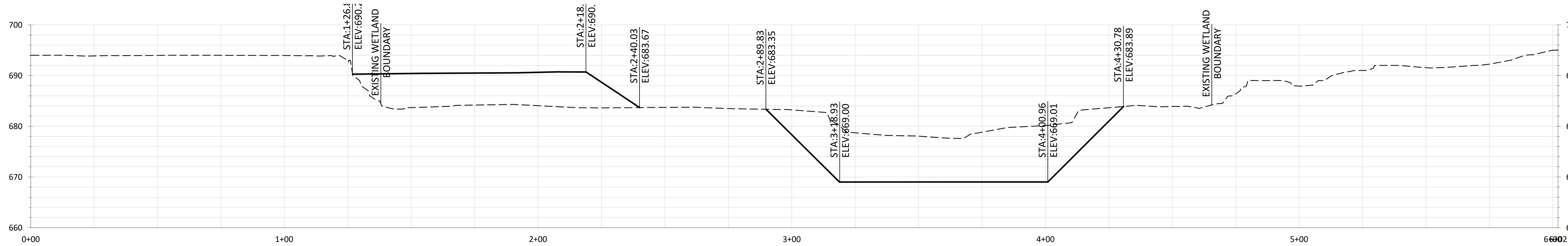


DATE: November 9, 2017
SCALE: 1" = 60'

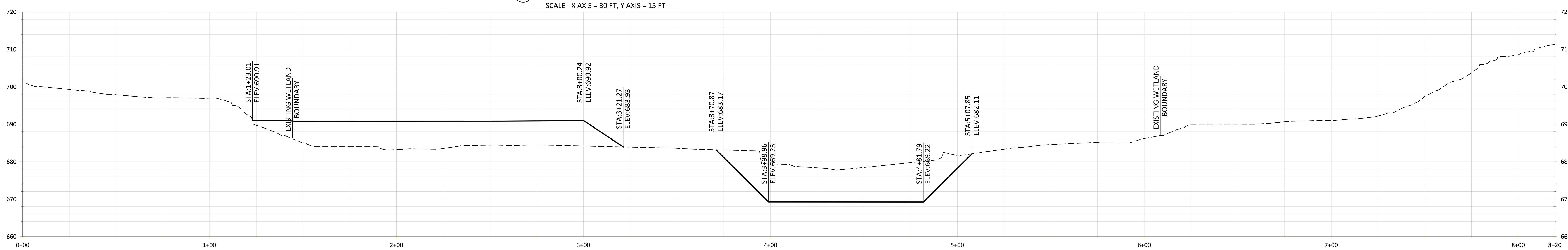
PROPOSED CONDITIONS 2 OF 4

SHEET: 9 OF 21

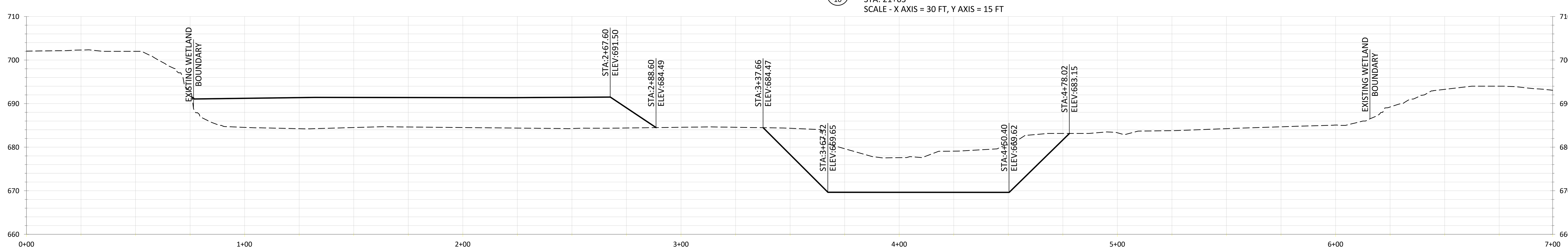
JOB NUMBER:
14-04-05



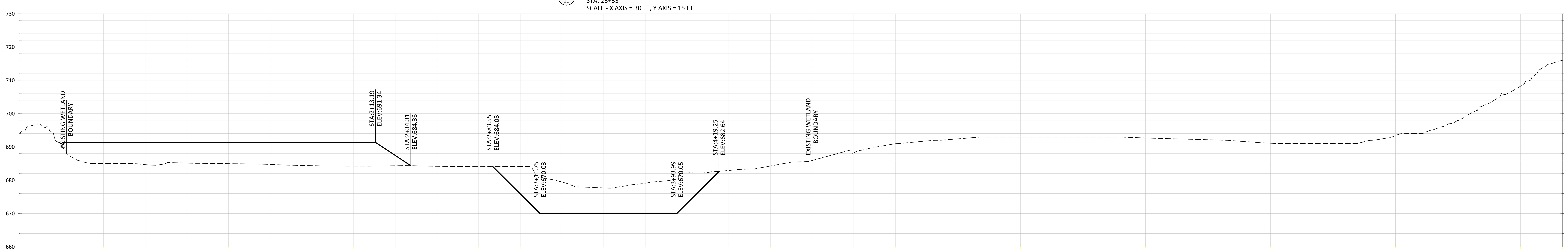

CONSTRUCTION CROSS SECTION 12/10
STA: 20+67
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT



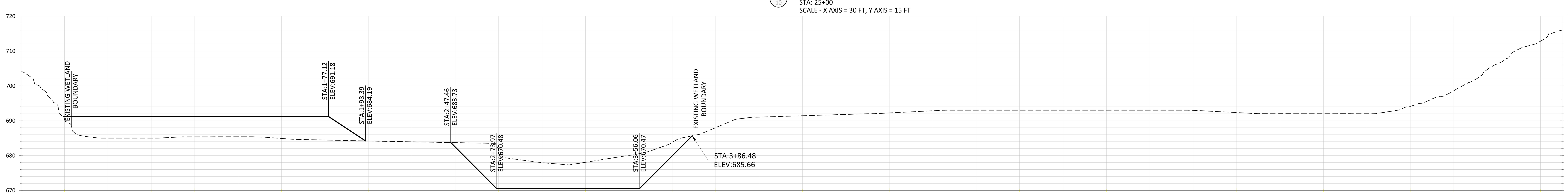

CONSTRUCTION CROSS SECTION 13/10
STA: 21+63
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




CONSTRUCTION CROSS SECTION 14/10
STA: 23+33
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT



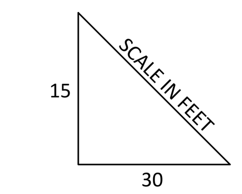

CONSTRUCTION CROSS SECTION 15/10
STA: 25+00
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




CONSTRUCTION CROSS SECTION 16/10
STA: 26+83
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

PLAN LEGEND

- - - - EXISTING GRADE
——— PROPOSED GRADE

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DATE: November 9, 2017
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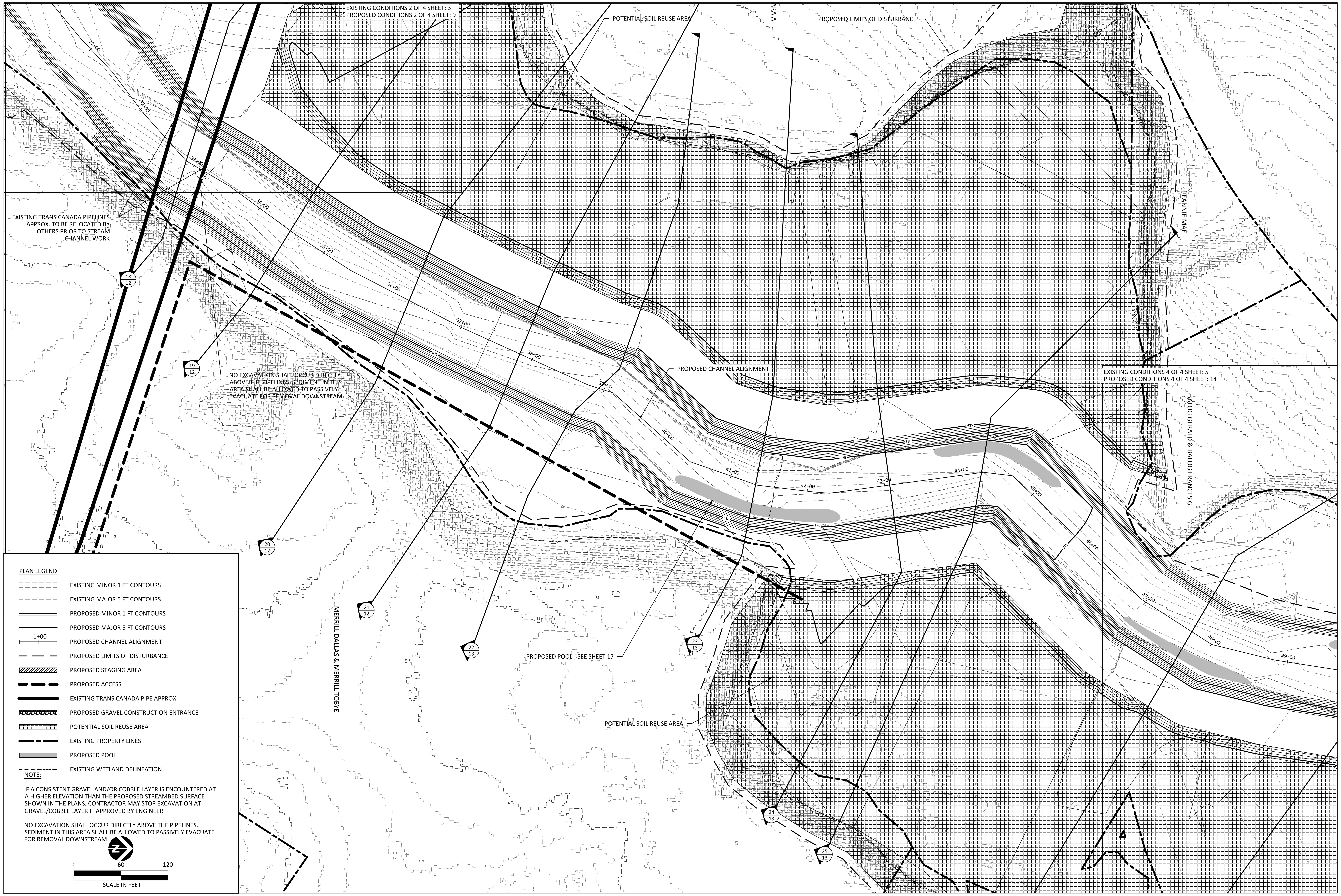
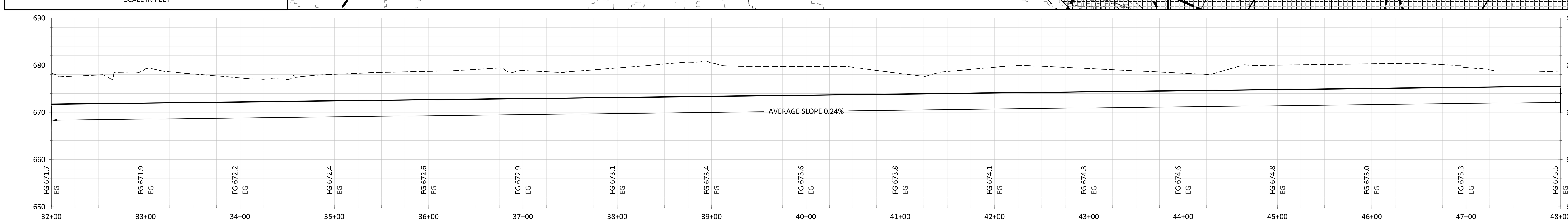
CONSTRUCTION CROSS SECTIONS 3 OF 7

SHEET: 10 OF 21
JOB NUMBER:
14-04-05




PROPOSED ALIGNMENT PROFILE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REVISIONS



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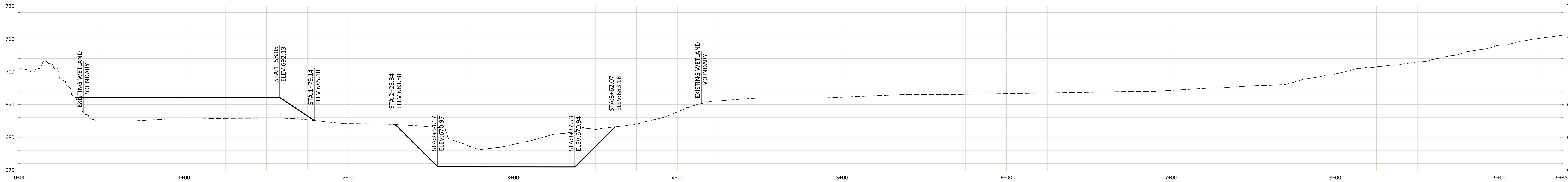
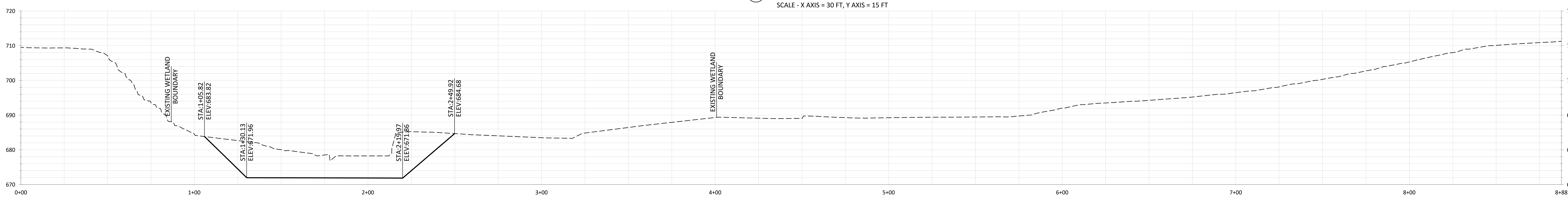
SCALE: 1" = 60'

PROPOSED CONDITIONS 3 OF 4

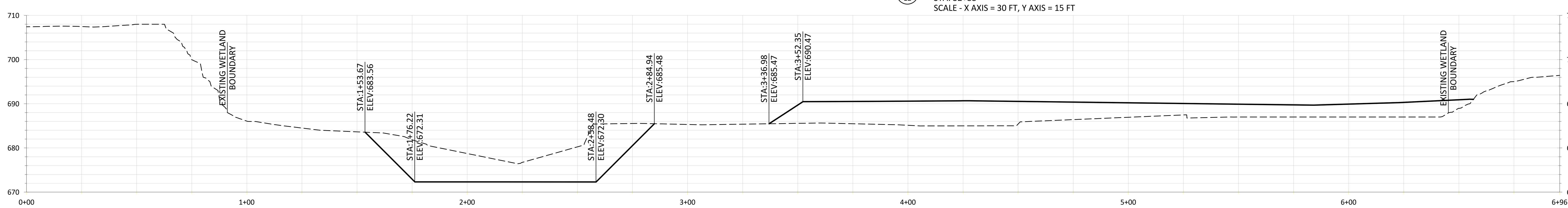
SHEET: 11 OF 21
JOB NUMBER:
14-04-05



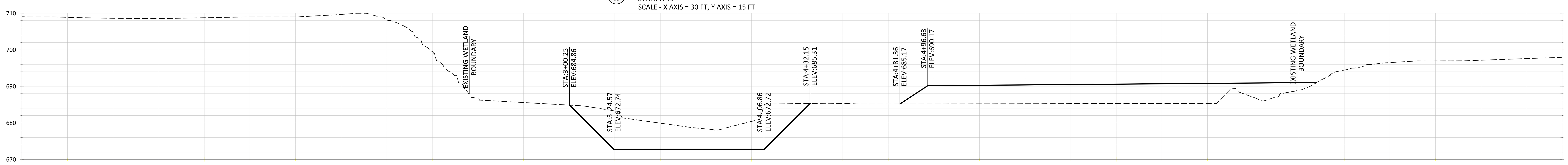

17
12
CONSTRUCTION CROSS SECTION
STA: 28+83
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT



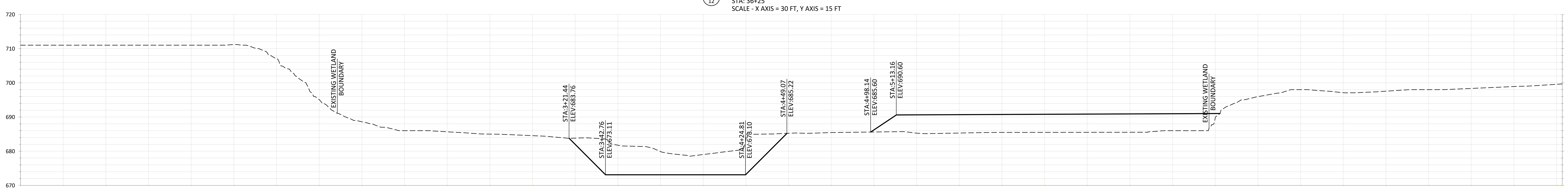

18
12
CONSTRUCTION CROSS SECTION
STA: 32+88
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




19
12
CONSTRUCTION CROSS SECTION
STA: 34+49
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




20
12
CONSTRUCTION CROSS SECTION
STA: 36+25
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

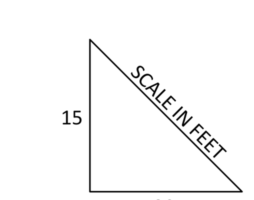



21
12
CONSTRUCTION CROSS SECTION
STA: 37+83
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

PLAN LEGEND

EXISTING GRADE

PROPOSED GRADE





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608.441.0342
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PROJECT NAME:

PUCKER ST DAM REMOVAL & CHANNEL EXCAVATION

PROJECT LOCATION:

CITY OF NILES
BERRIEN COUNTY
MICHIGAN

REVISIONS



DATE: November 9, 2017

SCALE: H - 1" = 30' V - 1" = 15

CONSTRUCTION CROSS SECTIONS 4 OF 7

SHEET: 12 OF 21

JOB NUMBER:

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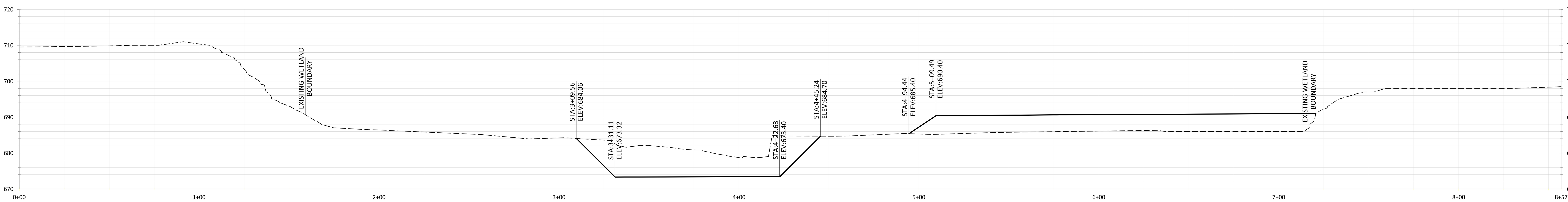
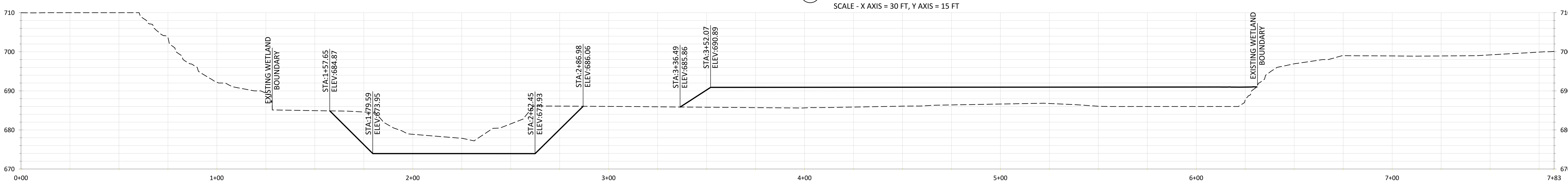
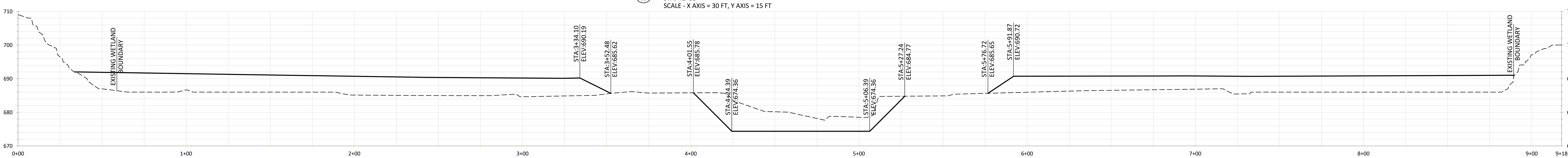


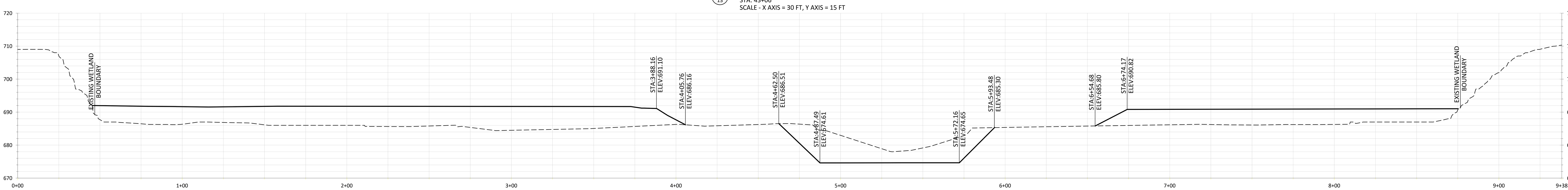

22
13
CONSTRUCTION CROSS SECTION
STA: 38+93
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT



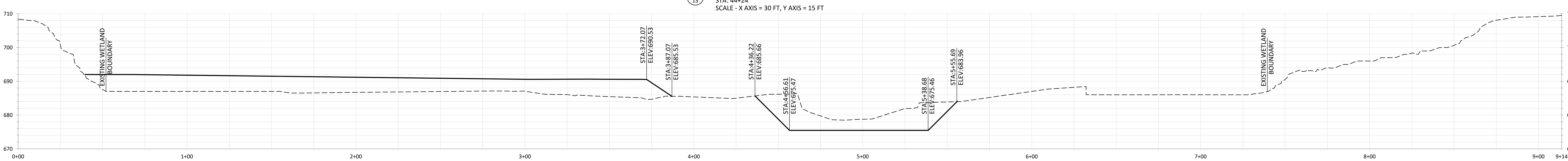

23
13
CONSTRUCTION CROSS SECTION
STA: 41+33
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




24
13
CONSTRUCTION CROSS SECTION
STA: 43+06
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




25
13
CONSTRUCTION CROSS SECTION
STA: 44+24
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

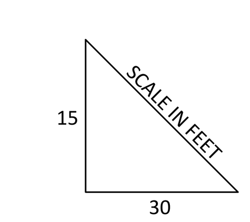



26
13
CONSTRUCTION CROSS SECTION
STA: 47+70
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

PLAN LEGEND

EXISTING GRADE

PROPOSED GRADE

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SCALE: H - 1" = 30' V - 1" = 15

CONSTRUCTION CROSS SECTIONS 5 OF 7

SHEET: 13 OF 21
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PLAN LEGEND

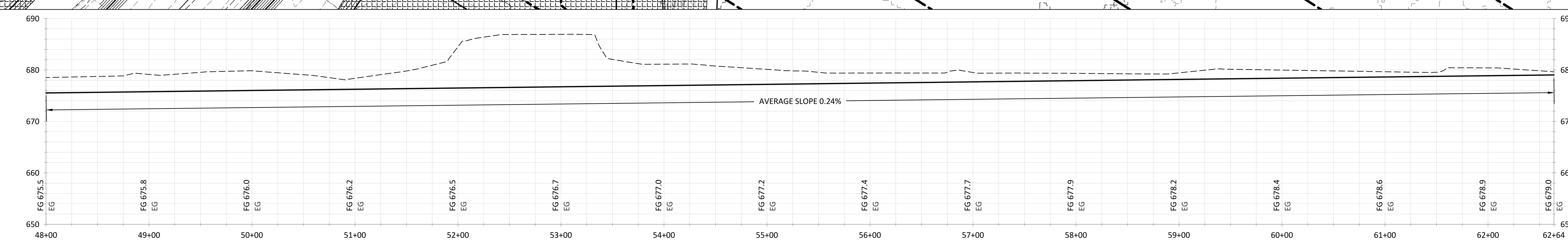
- EXISTING MINOR 1 FT CONTOURS
- EXISTING MAJOR 5 FT CONTOURS
- PROPOSED MINOR 1 FT CONTOURS
- PROPOSED MAJOR 5 FT CONTOURS
- 1+00 PROPOSED CHANNEL ALIGNMENT
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED STAGING AREA
- PROPOSED GRAVEL CONSTRUCTION ENTRANCE
- POTENTIAL SOIL REUSE AREA
- EXISTING PROPERTY LINES
- PROPOSED POOL
- EXISTING WETLAND DELINEATION

NOTE:

IF A CONSISTENT GRAVEL AND/OR COBBLE LAYER IS ENCOUNTERED AT A HIGHER ELEVATION THAN THE PROPOSED STREAMBED SURFACE SHOWN IN THE PLANS, CONTRACTOR MAY STOP EXCAVATION AT GRAVEL/COBBLE LAYER IF APPROVED BY ENGINEER

0 60 120

SCALE IN FEET


PROPOSED ALIGNMENT PROFILE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DATE: November 9, 2017

SCALE: 1" = 60'

PROPOSED CONDITIONS 4 OF 4

SHEET: 14 OF 21

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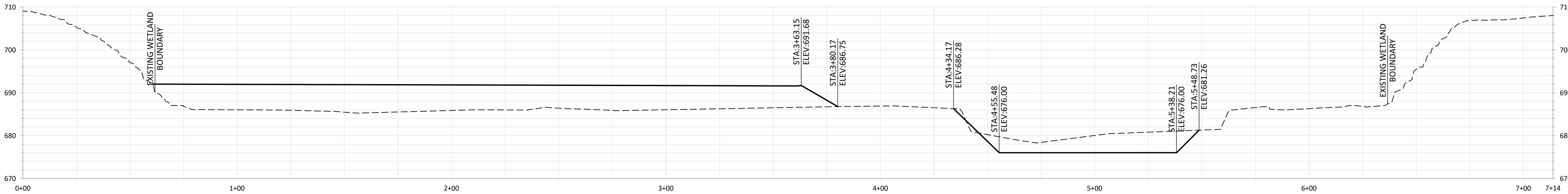
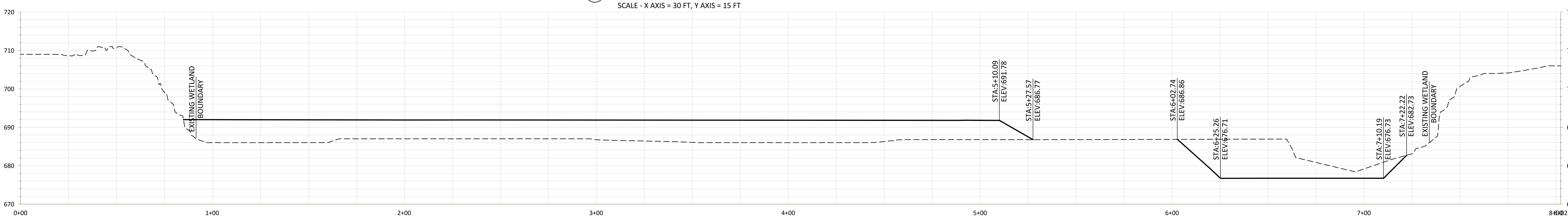
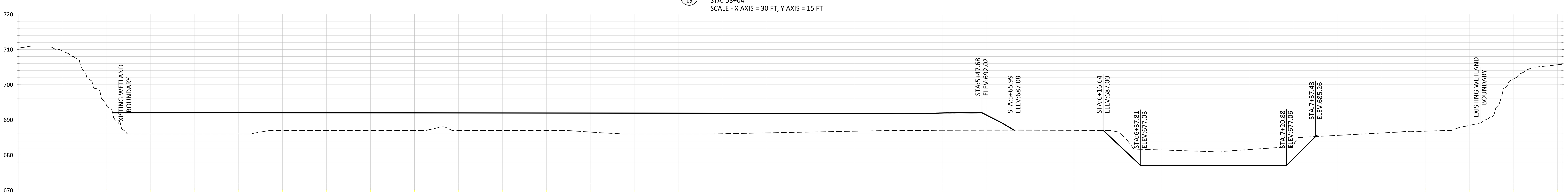



27
15
CONSTRUCTION CROSS SECTION
STA: 49+96
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

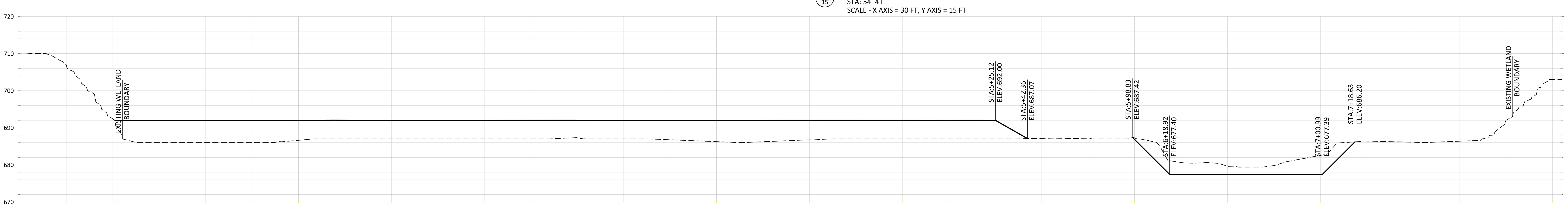

28
15
CONSTRUCTION CROSS SECTION
STA: 51+92
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




29
15
CONSTRUCTION CROSS SECTION
STA: 53+04
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




30
15
CONSTRUCTION CROSS SECTION
STA: 54+41
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




31
15
CONSTRUCTION CROSS SECTION
STA: 55+77
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

PLAN LEGEND

EXISTING GRADE

PROPOSED GRADE

15
SCALE IN FEET
30

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SCALE: H - 1" = 30' V - 1" = 15

CONSTRUCTION CROSS SECTIONS 6 OF 7

SHEET: 15 OF 21

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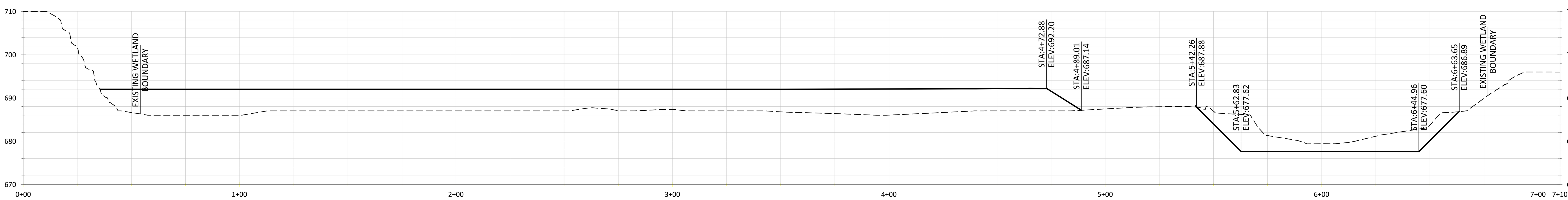
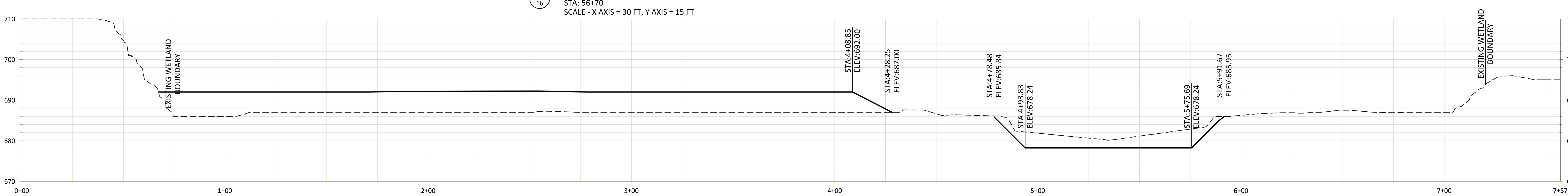
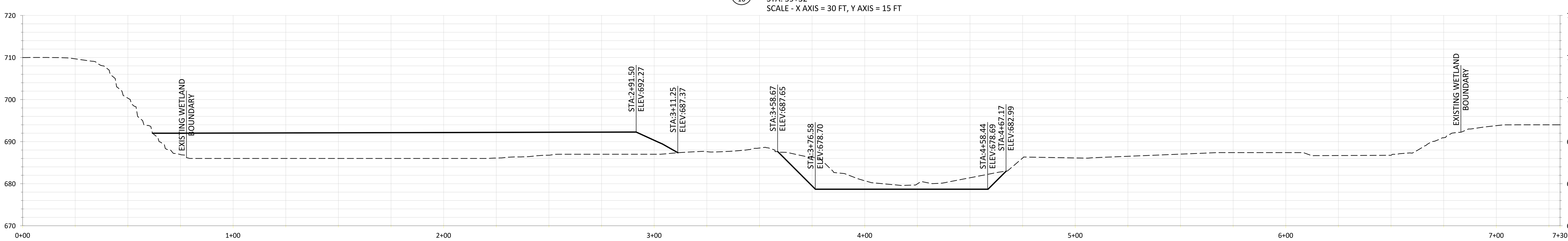



32/16 CONSTRUCTION CROSS SECTION
STA: 56+70
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT




33/16 CONSTRUCTION CROSS SECTION
STA: 59+32
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

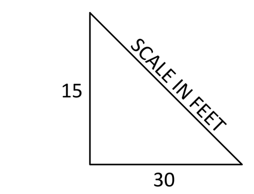



34/16 CONSTRUCTION CROSS SECTION
STA: 61+24
SCALE - X AXIS = 30 FT, Y AXIS = 15 FT

PLAN LEGEND

EXISTING GRADE

PROPOSED GRADE

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SCALE: H - 1" = 30' V - 1" = 15

CONSTRUCTION CROSS SECTIONS 7 OF 7

SHEET: 16 OF 21

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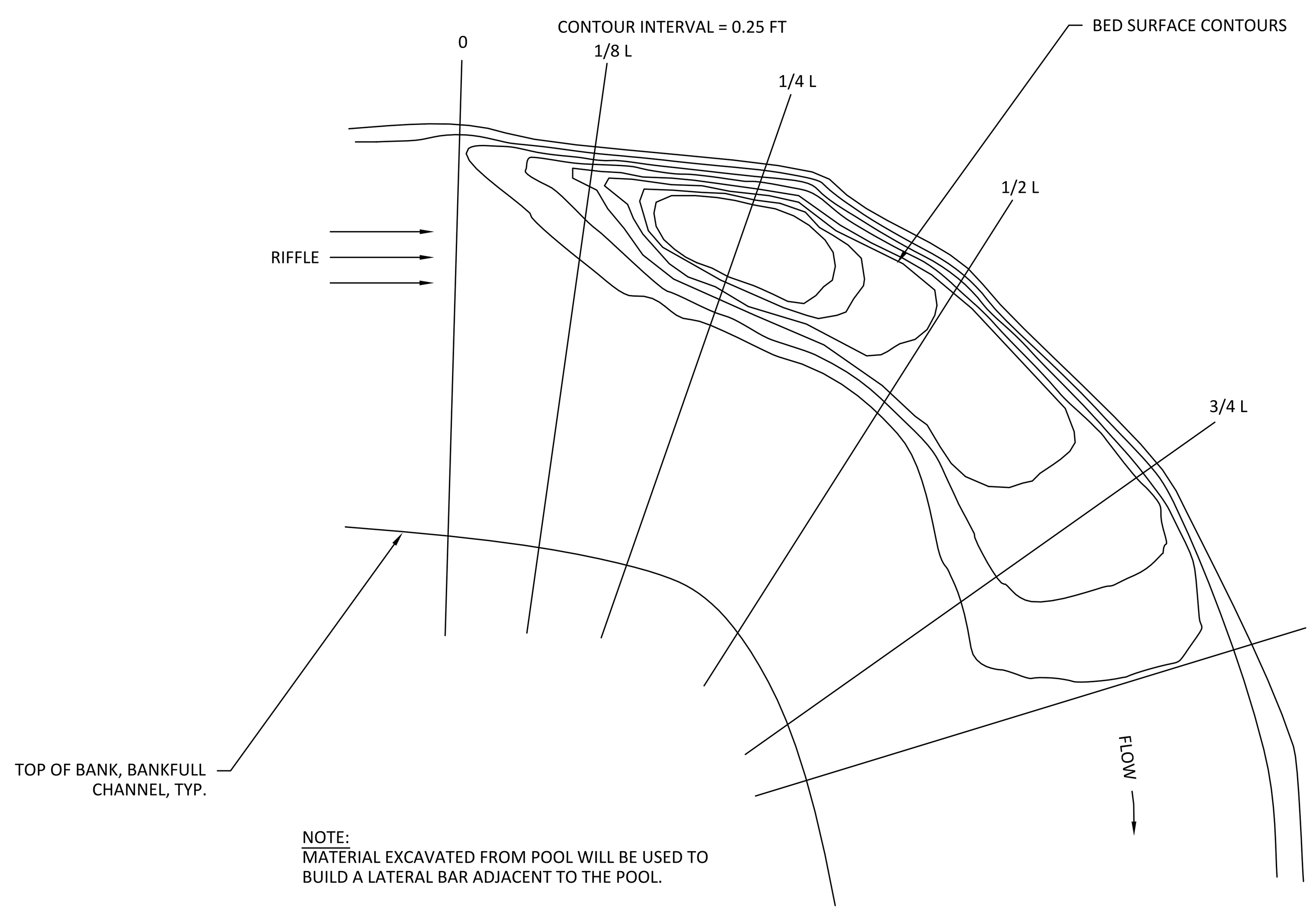
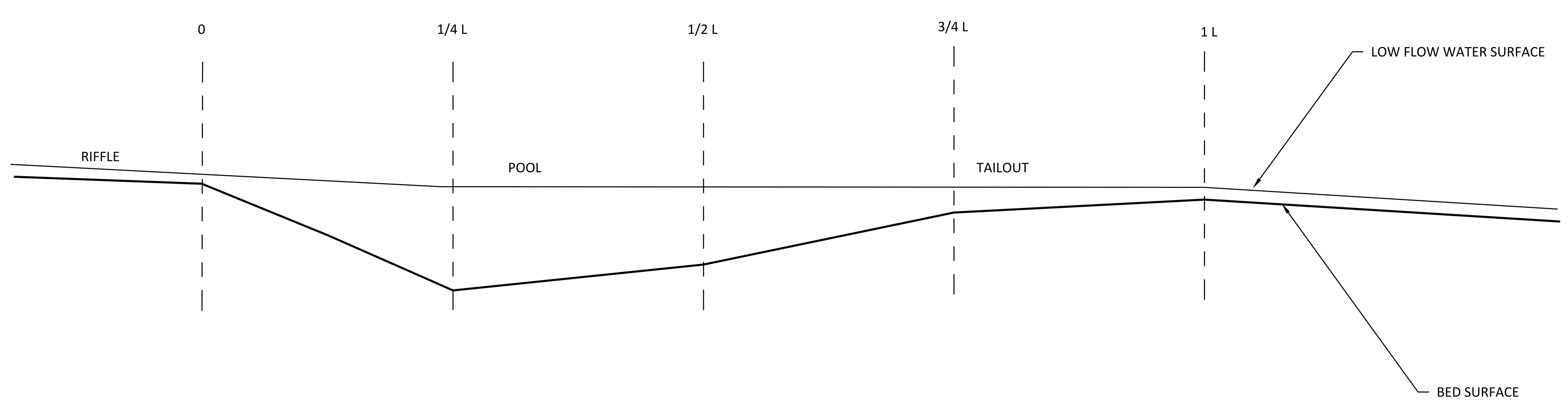
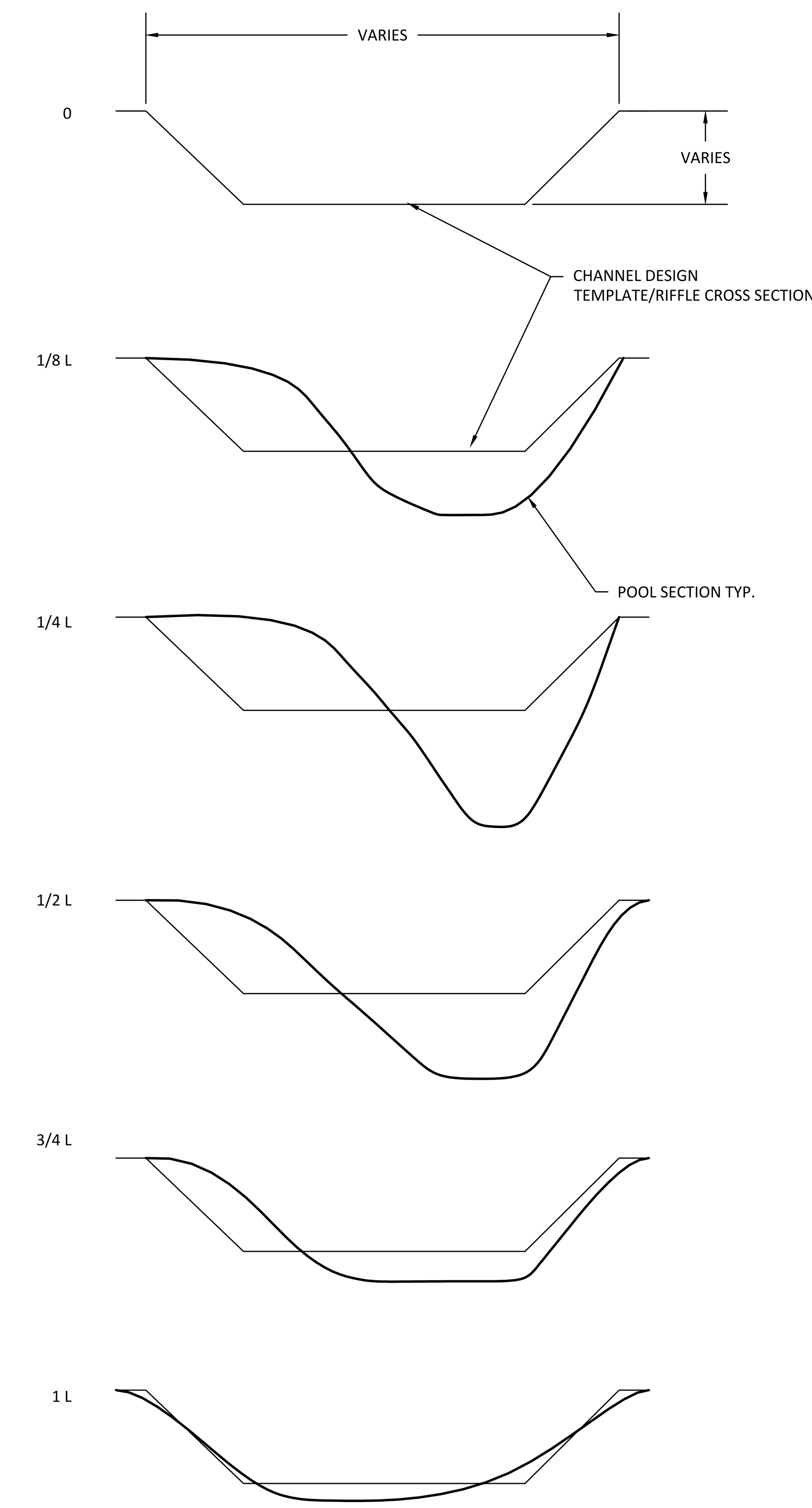



1/17 GENERAL RIFFLE-POOL GRADING PLAN VIEW
NOT TO SCALE




3/17 GENERAL RIFFLE - POOL PROFILE VIEW
NOT TO SCALE




2/17 POOL & RIFFLE CROSS SECTIONS
NOT TO SCALE

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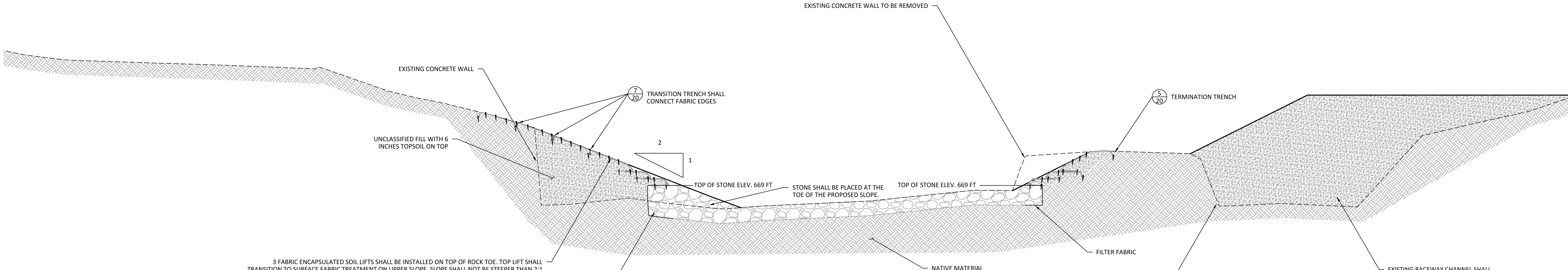
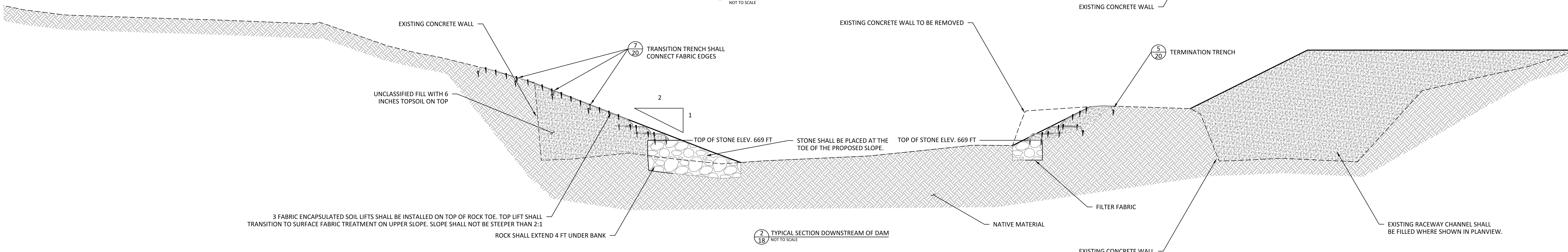
DATE: November 9, 2017
SCALE: NTS

TYPICAL DETAILS
RIFFLE & POOL

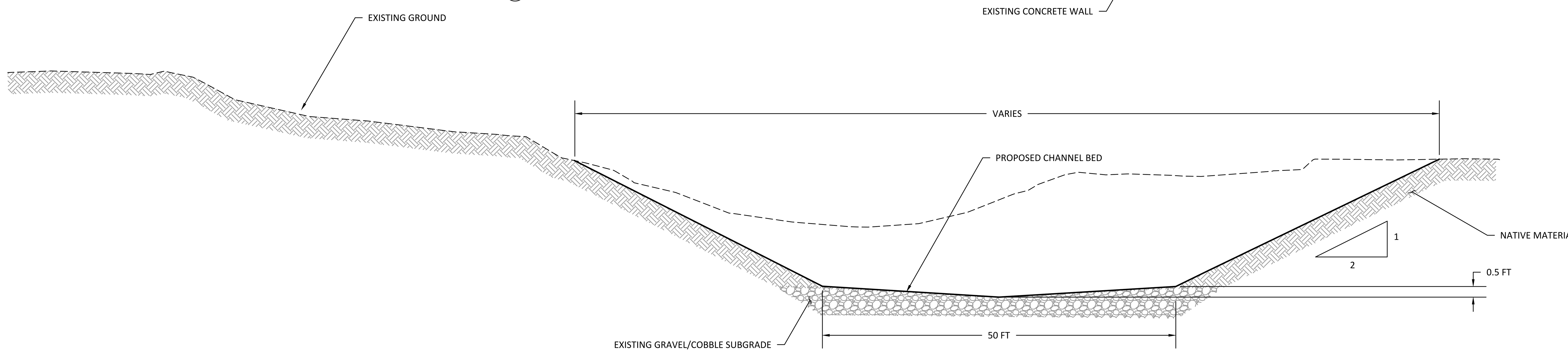
SHEET: 17 OF 21
JOB NUMBER:
14-04-05



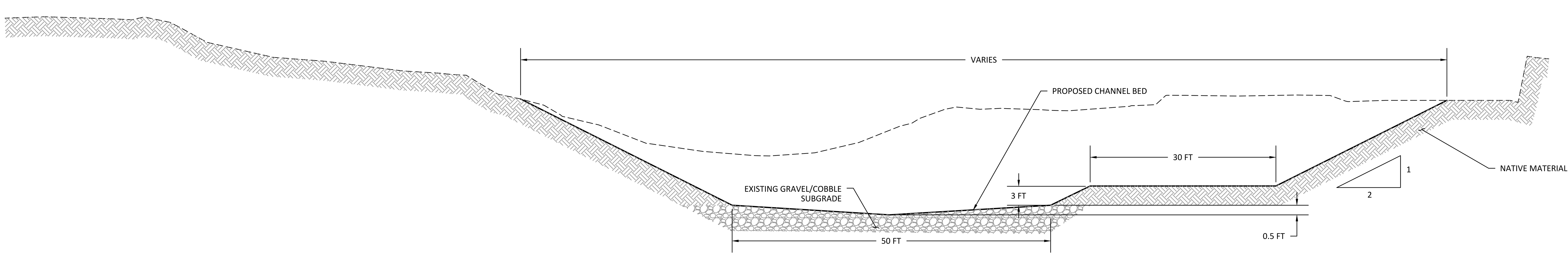

1/18 TYPICAL SECTION WHERE DAM AND APRON REMOVED
STA: 1+84 - 2+30
NOT TO SCALE




2/18 TYPICAL SECTION DOWNSTREAM OF DAM
NOT TO SCALE




3/18 TYPICAL SECTION DOWNSTREAM OF BRIDGE
NOT TO SCALE




4/18 TYPICAL SECTION DOWNSTREAM OF BRIDGE - OPTIONAL FLOODPLAIN BENCH
NOT TO SCALE

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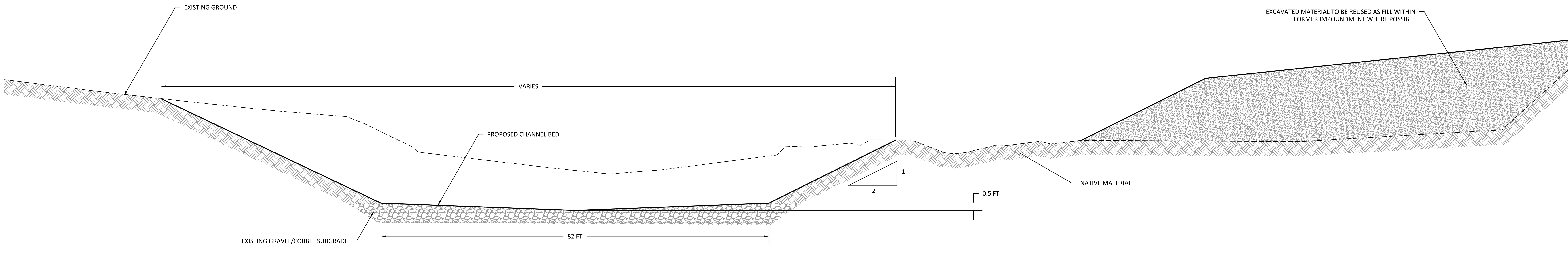
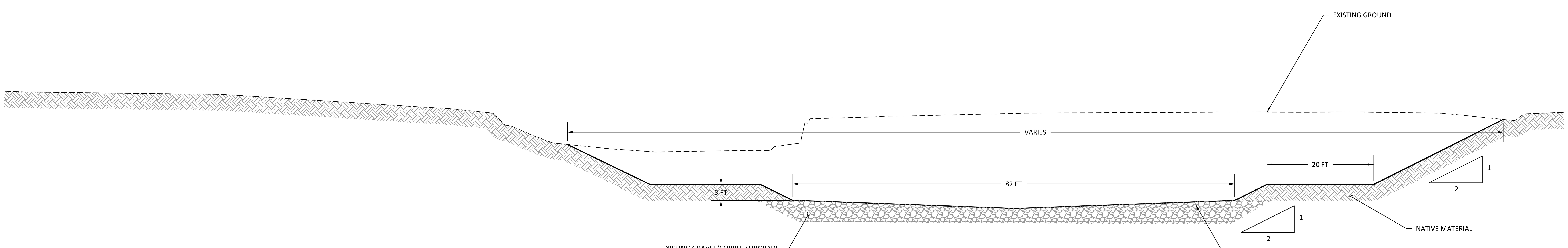
SCALE: NTS

TYPICAL SECTIONS 1 OF 2

SHEET: 18 OF 21
JOB NUMBER: 14-04-05




1/19 TYPICAL SECTION UPSTREAM OF BRIDGE
NOT TO SCALE




2/19 TYPICAL SECTION UPSTREAM OF BRIDGE - OPTIONAL FLOODPLAIN BENCH
NOT TO SCALE

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DATE: November 9, 2017
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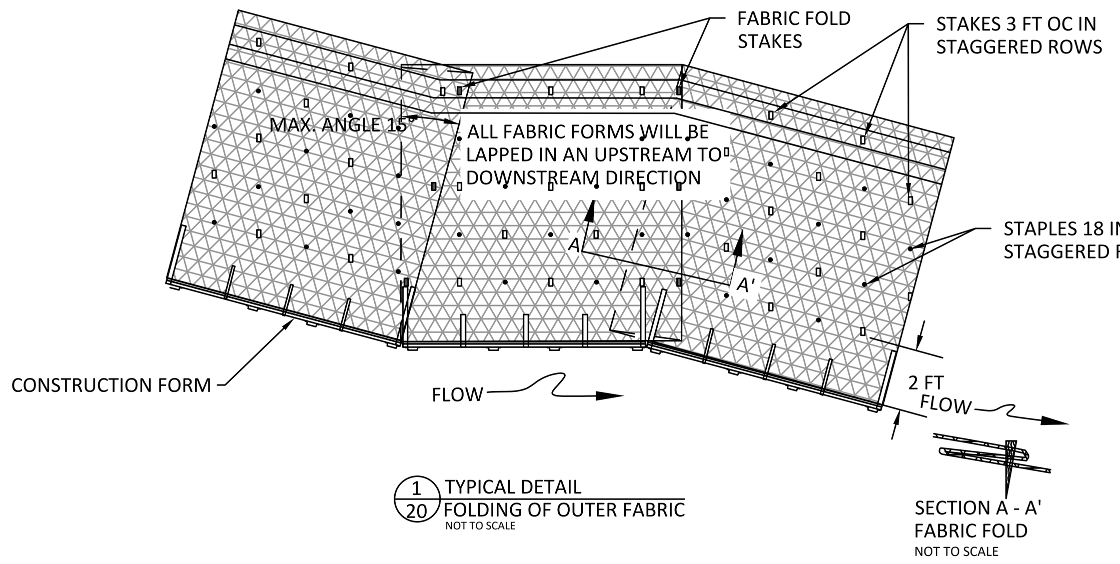
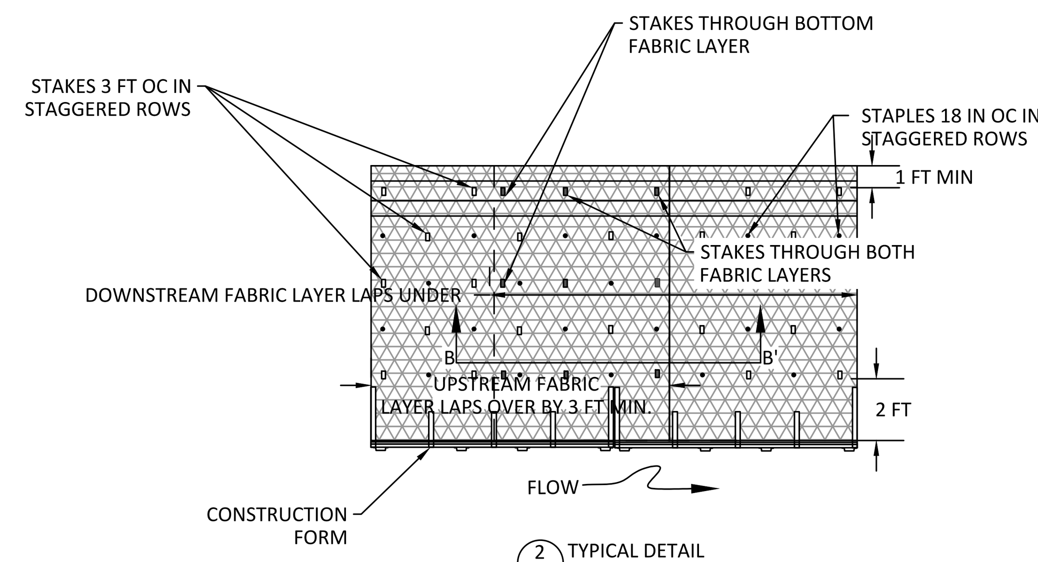
TYPICAL
SECTIONS 2 OF 2

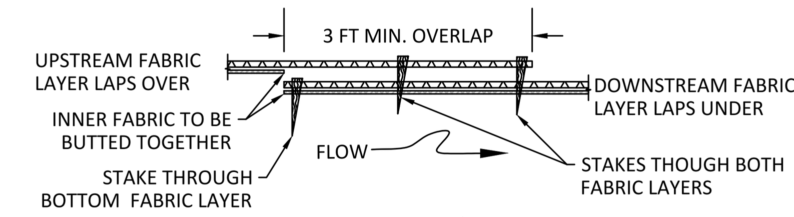
SHEET: 18 OF 21
JOB NUMBER:
14-04-05



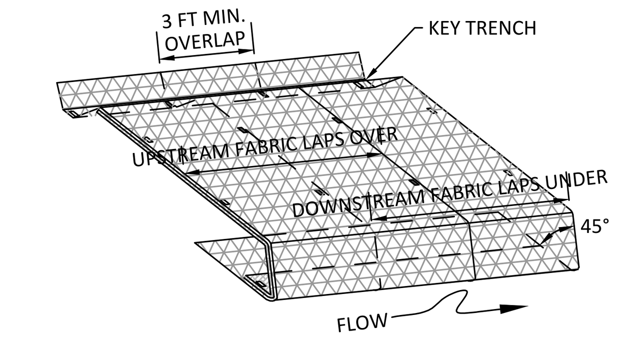

1/20 TYPICAL DETAIL
FOLDING OF OUTER FABRIC
NOT TO SCALE



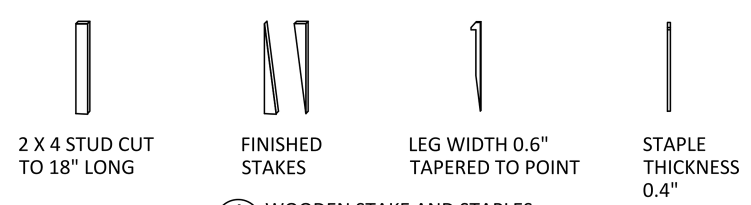

2/20 TYPICAL DETAIL
FABRIC JOINING
NOT TO SCALE



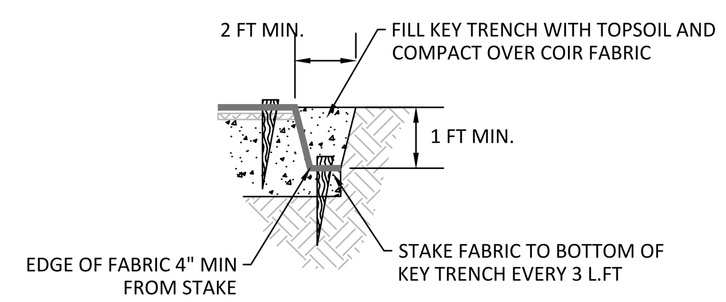

SECTION B - B'
FABRIC JOINING
NOT TO SCALE



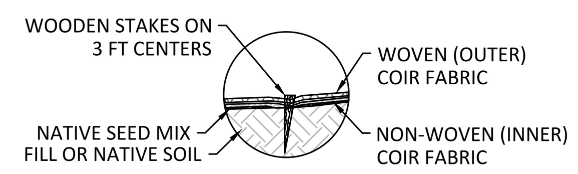

3/20 ISOMETRIC DETAIL
FABRIC JOINING
NOT TO SCALE



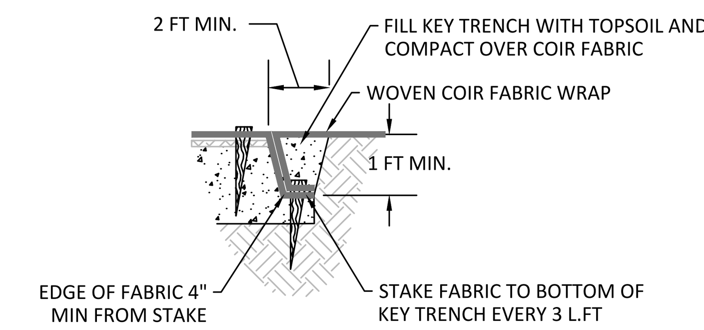

4/20 WOODEN STAKE AND STAPLES
FABRICATING DETAIL
NOT TO SCALE



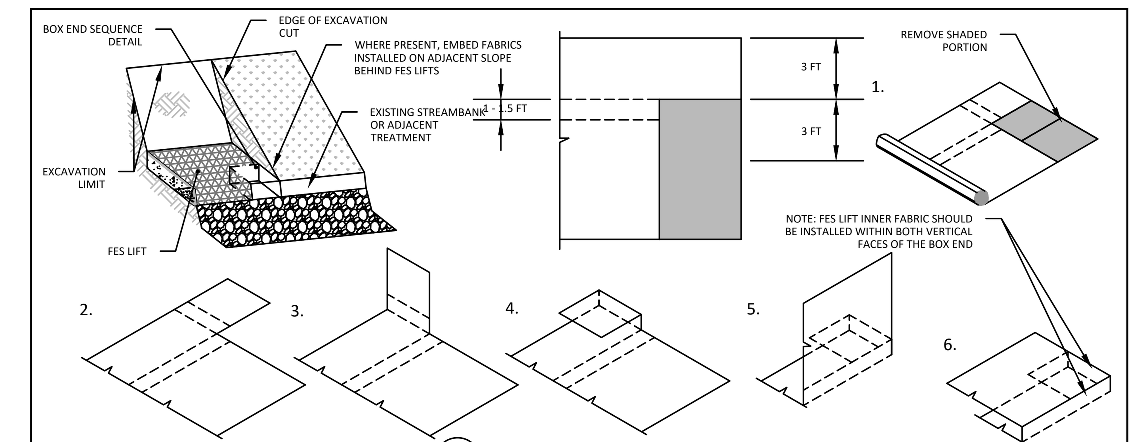

5/20 KEY TRENCH DETAIL
TERMINATION TRENCH
NOT TO SCALE



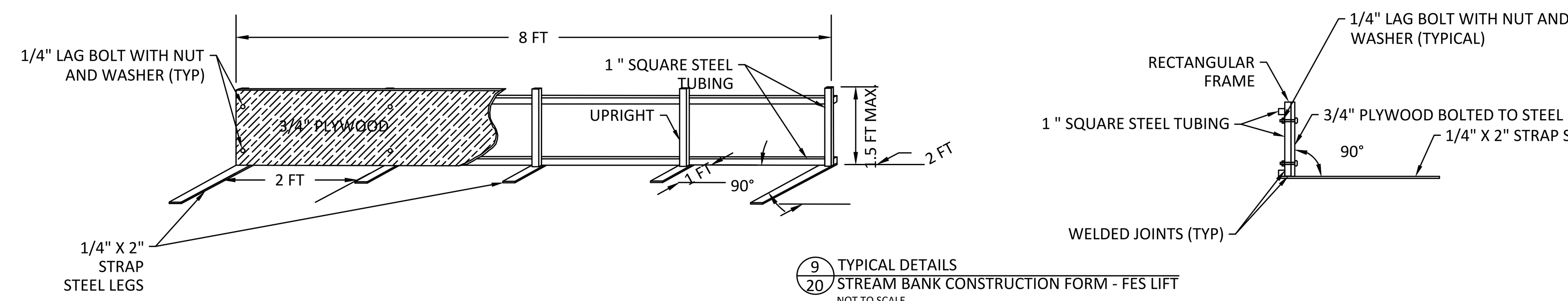

6/20 TOE DETAIL
BIODEGRADABLE FABRICS AND STAKES
NOT TO SCALE




7/20 KEY TRENCH DETAIL
TRANSITION TRENCH
NOT TO SCALE




8/20 SUGGESTED CONSTRUCTION SEQUENCE
FES LIFT - BOX ENDS
NOT TO SCALE



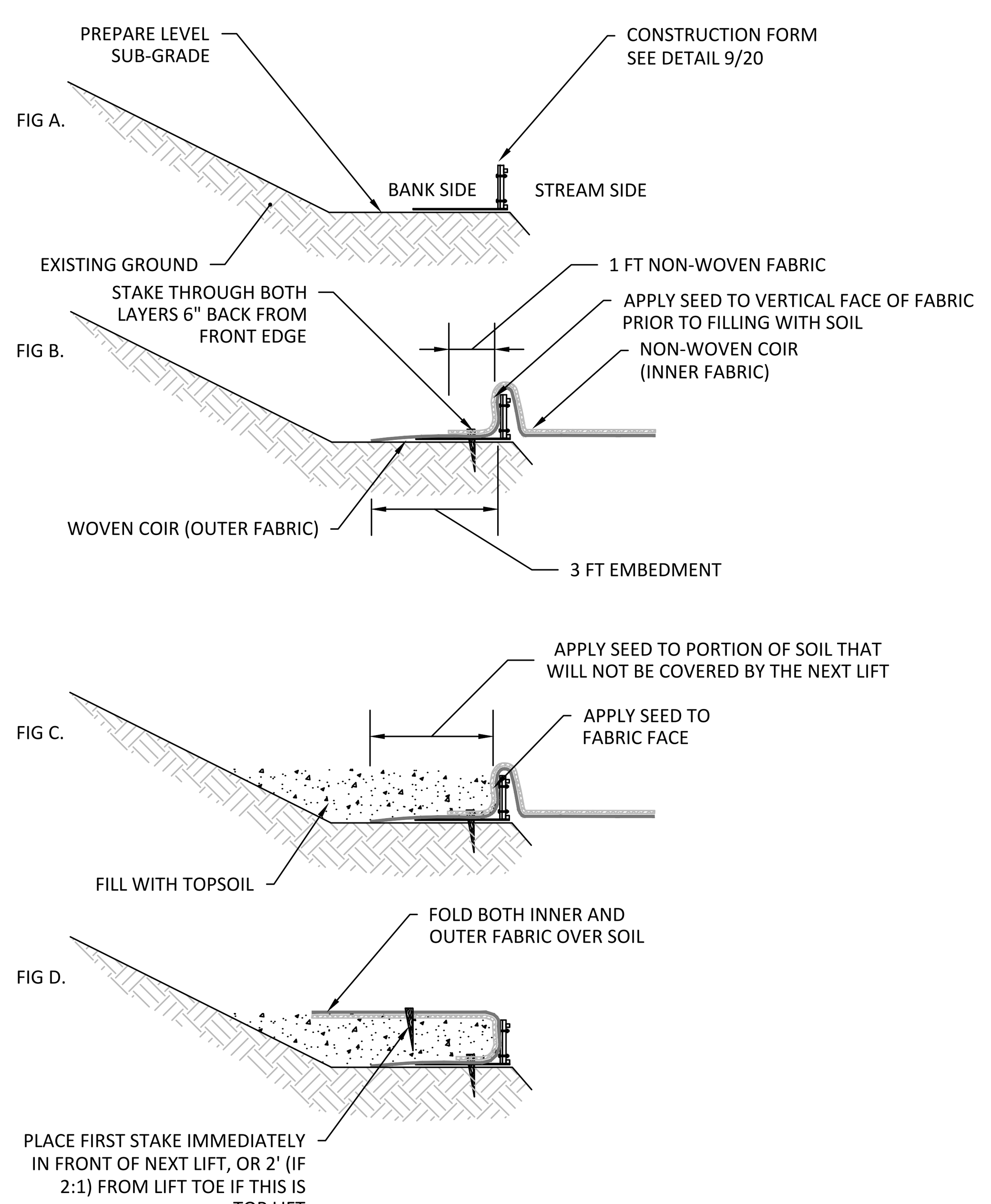

9/20 TYPICAL DETAILS
STREAM BANK CONSTRUCTION FORM - FES LIFT
NOT TO SCALE

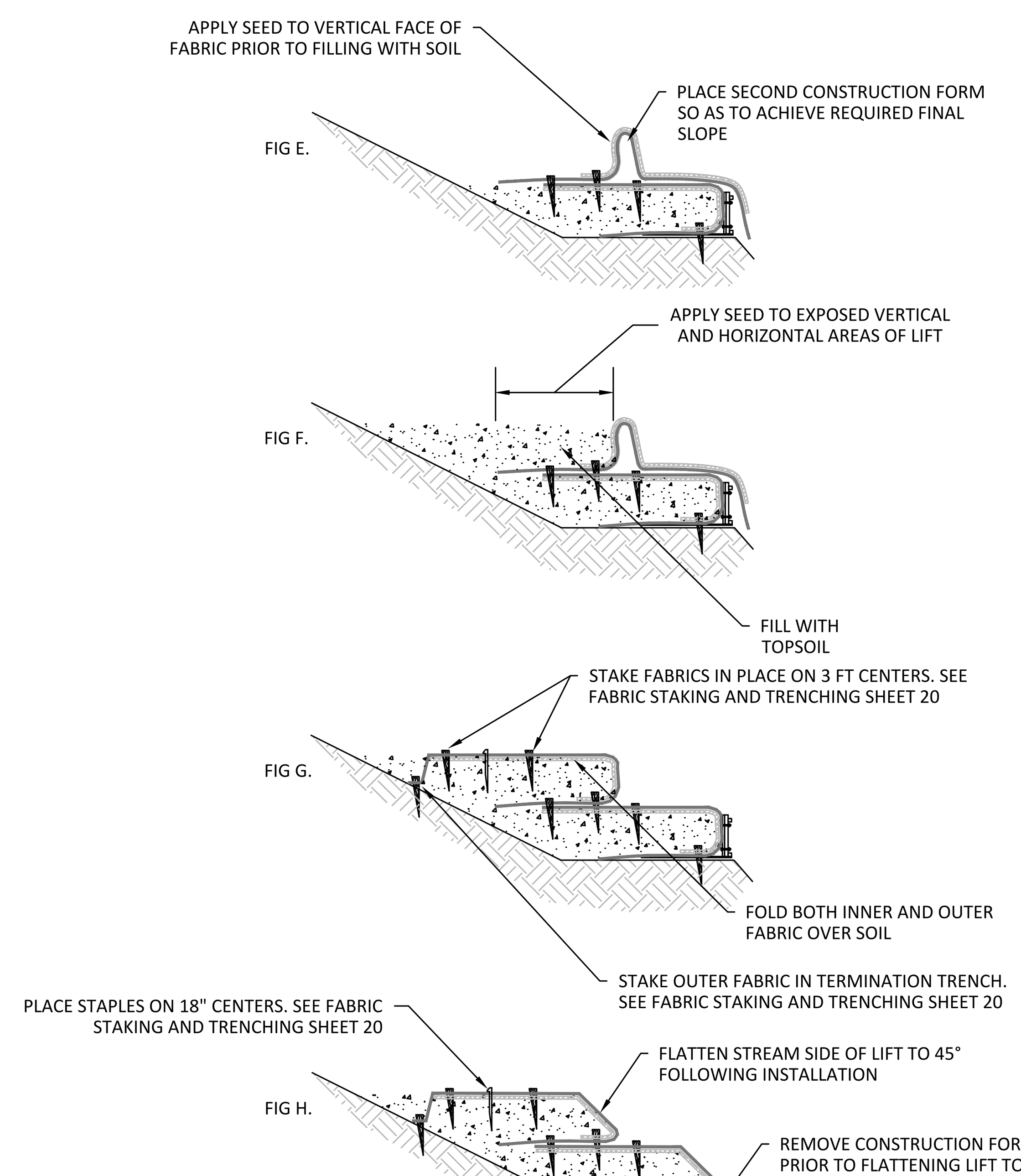
GENERAL NOTES ON SECURING COIR FABRIC

1. SECURE THE OUTER FABRIC (WOVEN, WHERE APPLICABLE), WITH A WOODEN STAKE THROUGH THE FABRIC ON 3 FT CENTERS (SEE DETAIL VIEWS 1 & 2)
NOTE: THE HOLES FOR STAKES SHALL NOT BE PRECUT. ALLOW THE STAKE TO BREAK THE MINIMUM NUMBER OF STRANDS AS IT IS BEING DRIVEN IN. DRIVE STAKES SO THAT 2" TO 3" OF THE TOP OF THE STAKE IS LEFT EXPOSED.

2. OUTER FABRIC ENDS SHALL BE JOINED BY LAPPING THE UPSTREAM PIECE OF FABRIC OVER THE DOWNSTREAM PIECE AS SHOWN IN DETAIL X. OVERLAPS SHALL BE A MINIMUM OF 3 FT, INNER FABRIC ENDS SHALL BE BUTTED TOGETHER, NOT OVERLAPPED. OVERLAPS SHALL BE STAGGERED FROM LIFT TO LIFT BY A MINIMUM OF 15 FT.

3. STAKING SPACING IS DEFINED IN SPECIFICATIONS FOR FES LIFT AND SURFACE FABRIC.




SUGGESTED SEQUENCE FOR PLACEMENT OF FORMS

PROFILE VIEW LOOKING INTO BANK

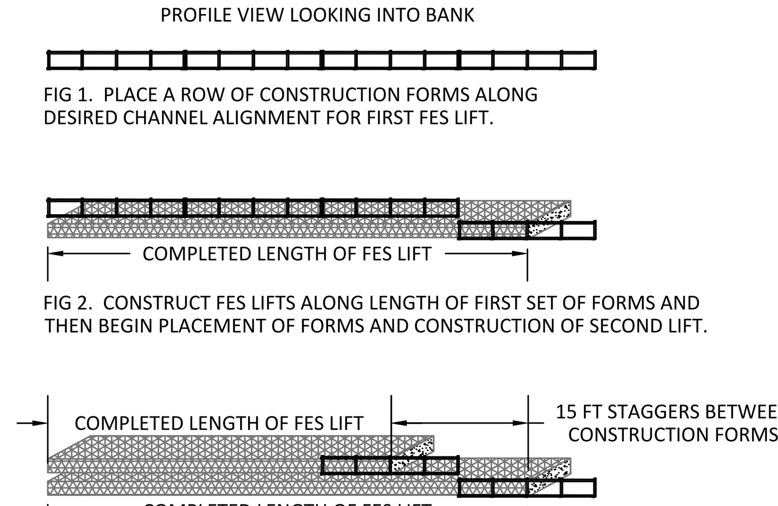



FIG 1. PLACE A ROW OF CONSTRUCTION FORMS ALONG DESIRED CHANNEL ALIGNMENT FOR FIRST FES LIFT.

FIG 2. CONSTRUCT FES LIFTS ALONG LENGTH OF FIRST SET OF FORMS AND THEN BEGIN PLACEMENT OF FORMS AND CONSTRUCTION OF SECOND LIFT.

FIG 3. STAGGER FABRIC OVERLAPS A MINIMUM OF 15 FT BETWEEN LIFTS.

GENERAL INSTRUCTIONS FOR FABRIC ENCAPSULATED LIFTS

1. BANKS MAY BE CONSTRUCTED IN EITHER AN UPSTREAM OR DOWNSTREAM DIRECTION, AS LONG AS THE FABRIC IS OVERLAPPED IN THE PROPER DIRECTION.
2. PLACE A SERIES OF THREE OR MORE FORMS ON THE GROUND SO THAT THE FORMS FOLLOW THE PROPOSED STREAM BANK ALIGNMENT. BUTT THE ENDS OF THE FORMS TIGHTLY TOGETHER.
3. UNROLL THE OUTER FABRIC PARALLEL TO THE LONG AXIS OF THE CHANNEL AND POSITION IT SO THAT 3 FEET EXTENDS FOR EMBEDMENT ON THE BANK SIDE OF THE FORMS (FIG B), AND A MINIMUM 3 FEET EXTENDS LENGTHWISE BEYOND THE LAST FORM FOR OVERLAP. DRAPE THE REMAINDER OF THE FABRIC OVER THE TOP OF THE FORMS ON THE STREAM SIDE (FIG B).
4. UNROLL THE INNER FABRIC OVER THE TOP OF THE WOVEN COIR FABRIC (FIG B) AND POSITION IT SO THAT AT LEAST 1 FOOT OF THE INNER FABRIC EXTENDS AS AN EMBEDMENT LENGTH ON THE BANK SIDE OF THE FORMS (FIG C). DRAPE THE REMAINDER OF THE FABRIC OVER THE TOP OF THE FORMS ON THE STREAM SIDE AND ALIGN THE LONG EDGES OF THE FABRICS. STRETCH AND PULL THE FABRIC LAYERS TO REMOVE WRINKLES.
5. APPLY NATIVE SEED MIX TO INNER FABRIC ALONG VERTICAL EDGE OF LIFT (FIG C). PLACE SPECIFIED FILL OVER THE FABRIC ON THE BANK SIDE OF THE FORMS. LEVEL THE FILL AND COMPACT TO 85-90 PERCENT RELATIVE COMPACTION (FIG C).
6. APPLY NATIVE SEED MIX TO TOP OF FILL FROM THE FRONT OF THE LIFT TO 3 FT BACK FROM FRONT OF THE LIFT (FIG C).
7. FOLD THE LOOSE ENDS OF THE TWO COIR FABRIC LAYERS BACK OVER THE COMPACTED FILL MATERIAL AND STRETCH TIGHTLY TO REMOVE WRINKLES (FIG D). SECURE WITH WOODEN STAKES 1 PER 3 L.F. ALONG THE BACK EDGE AND INTO UNDISTURBED SOIL.
8. REMOVE THE FORMS FROM THE FRONT OF THE COMPLETED LIFTS (FIG. 2). LEAVE THE LAST FORM IN PLACE AT THE END OF THE NEWLY CONSTRUCTED LIFT (FIG. 2).
9. WHERE THE TOP OF THE LIFT MEETS THE GROUND SURFACE, EXCAVATE A KEY TRENCH 1.5 FEET WIDE AND 1 FOOT DEEP ALONG THE EDGE OF THE OUTER FABRIC LAYER, PARALLEL TO THE FORMS. SEED ENTIRE AREA OF TOP LIFT. SECURE FABRIC IN THE KEY TRENCH WITH WOODEN STAKES, 3 FT O.C.
10. BACKFILL THE KEY TRENCH WITH TOPSOIL AND CONTINUE TO APPLY TOPSOIL TO SMOOTHLY MERGE WITH EXISTING CONTOURS. APPLY NATIVE SEED MIX TO KEY TRENCH AREA.
11. SUPPLEMENT LIFT STAKING WITH ADDITIONAL WOODEN STAPLES ON 18" CENTERS EXCEPT WHERE WOODEN STAKES HAVE ALREADY BEEN PLACED.


WIGHTMAN & ASSOCIATES, INC.
ENGINEERING
◆
SURVEYING
◆
ARCHITECTURE
2303 Pipestone Road
Benton Harbor, MI 49022
Phone: (269) 927-0100
9835 Portage Road
Portage, MI 49002
Phone: (269) 327-3532
264 Western Avenue
Allegan, MI 49010
Phone: (269) 673-8465
www.wightman-assoc.com

inter-fluve
301 S. Livingston St., Suite 200
Madison, WI 53703
608.441.0342
www.interfluve.com


PROJECT NAME:
PUCKER ST DAM REMOVAL & CHANNEL EXCAVATION

PROJECT LOCATION:
CITY OF NILES
BERRIEN COUNTY
MICHIGAN

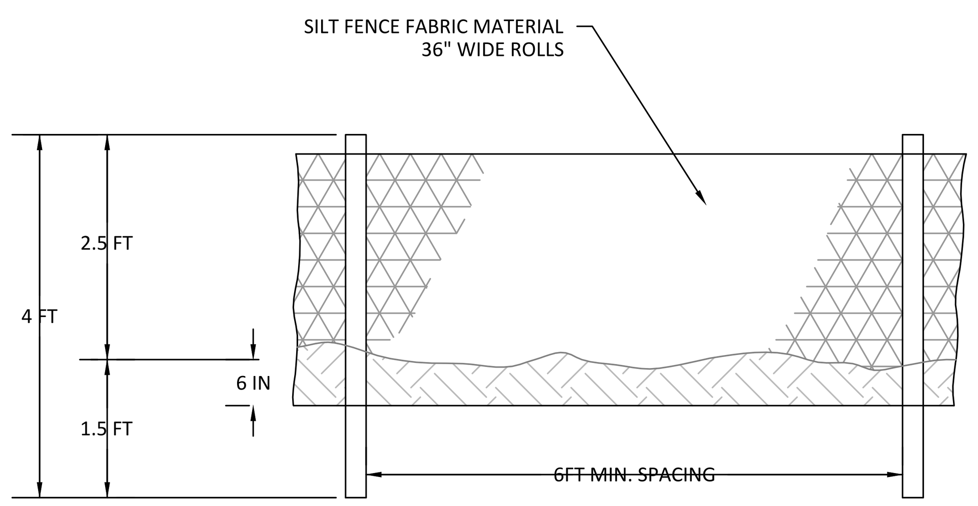
REVISIONS



DATE: November 9, 2017
SCALE: NTS

TYPICAL DETAILS
FES LIFTS


JOB NUMBER:
14-04-05




FRONT VIEW
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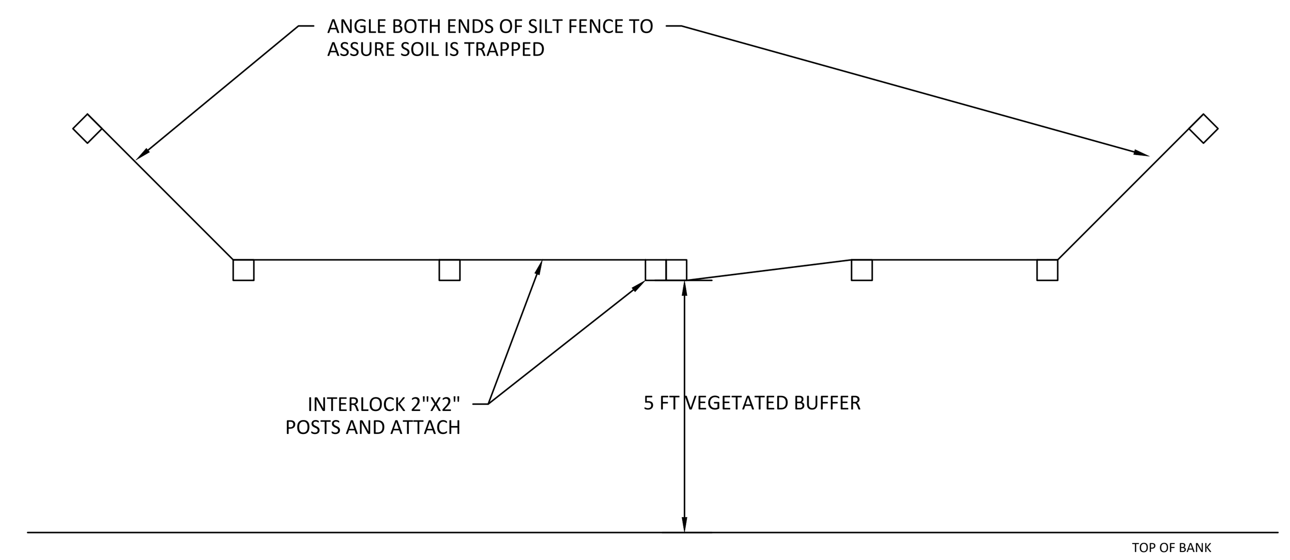


PLAN VIEW
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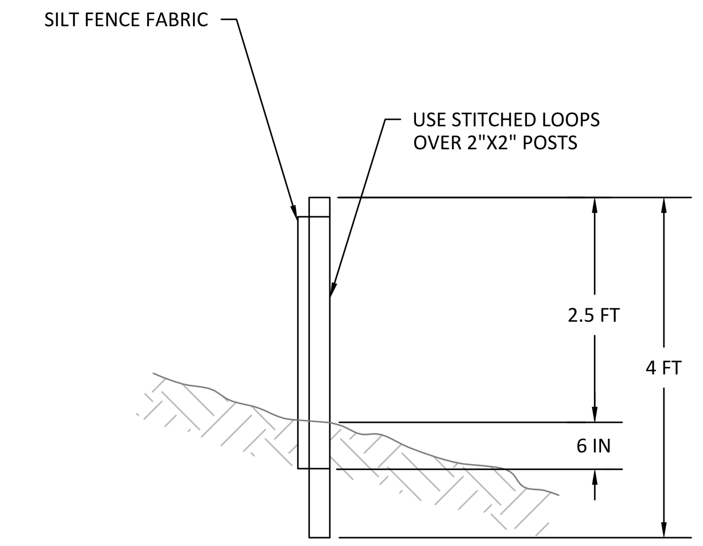



SIDE VIEW
NOT TO SCALE

1/21 TYPICAL DETAIL
SILT FENCE
NOT TO SCALE

SILT FENCE NOTES

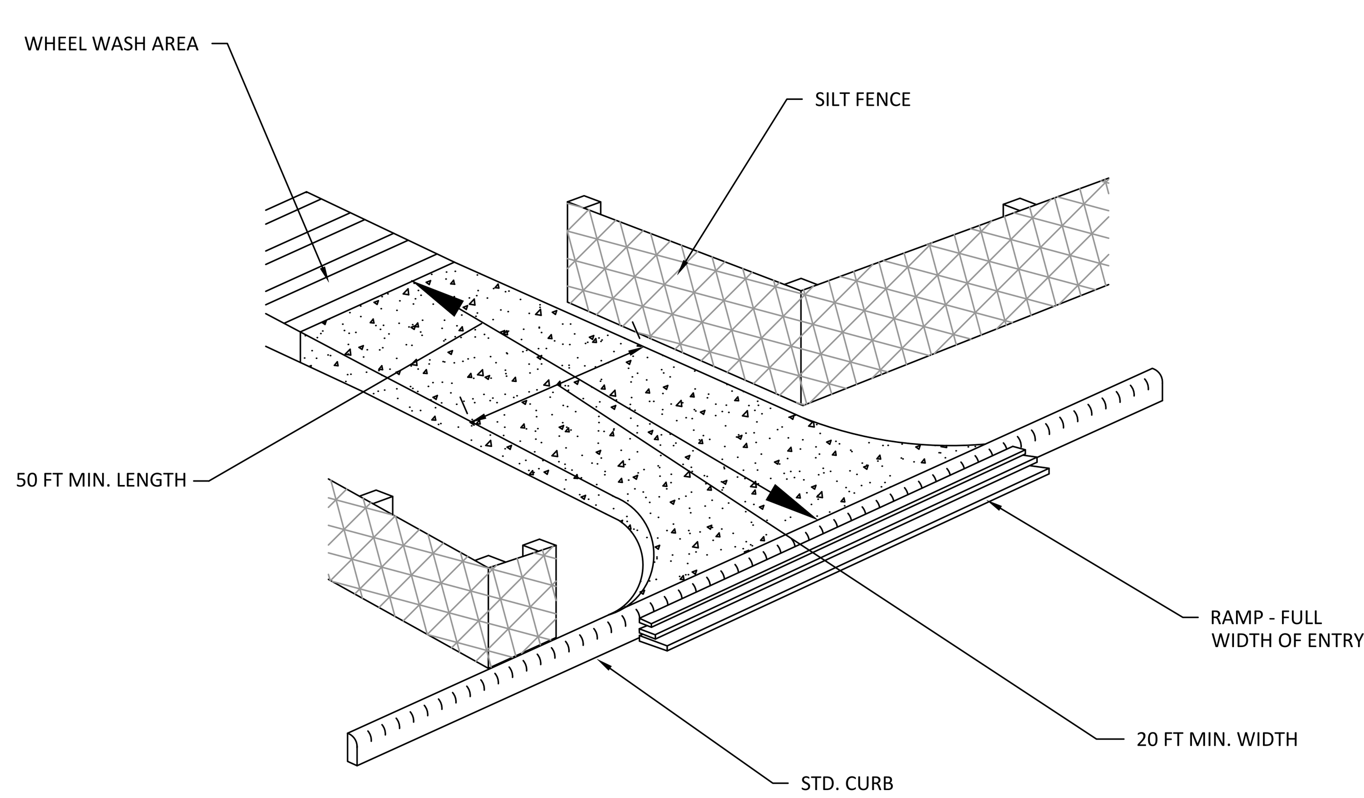
1.THE SILT FENCE FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST. ALTERNATIVELY, OVERLAP AND INTERLOCK TWO POSTS WITH ATTACHED FABRIC AS APPROVED BY THE OWNER'S REPRESENTATIVE.

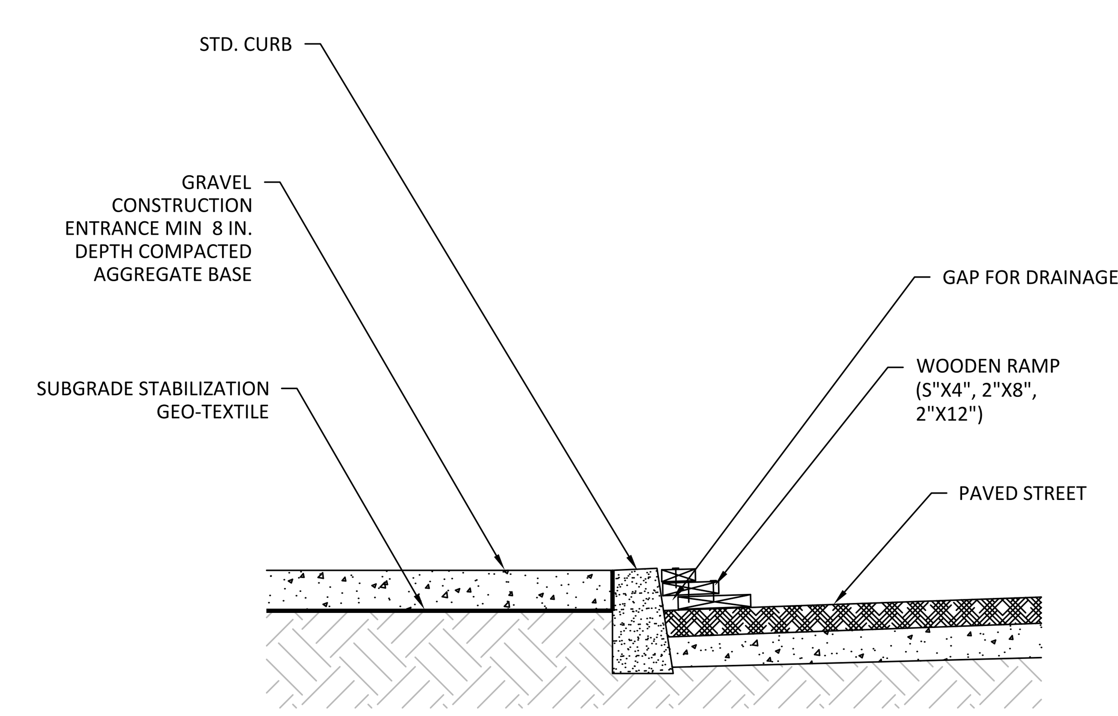
2.THE SILT FENCE IS TO BE INSTALLED AT LOCATIONS SHOWN IN THESE DRAWINGS ALONG THE DOWNHILL PERIMETER OF DISTURBED AREAS. THE FENCE POST SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES APART.

3. THE SILT FENCE FABRIC SHALL HAVE A MINIMUM VERTICAL BURIAL OF 6 INCHES. ALL EXCAVATED MATERIAL FROM SILT FENCE INSTALLATION SHALL BE BACK-FILLED AND COMPACTED ALONG THE ENTIRE DISTURBED AREA.

4. STANDARD OR HEAVY DUTY SILT FENCE SHALL HAVE MANUFACTURED STITCHED LOOPS FOR 2 INCHES X 2 INCHES POST INSTALLATION.

5. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.




2/21 TYPICAL DETAIL
GRAVEL CONSTRUCTION ENTRANCE
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WIGHTMAN &
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SURVEYING
◆
ARCHITECTURE
2303 Pipestone Road
Benton Harbor, MI 49022
Phone: (269) 927-0100

9835 Portage Road
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DATE: November 9, 2017
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TYPICAL DETAILS
SILT FENCE &
CONSTRUCTION
ENTRANCE

SHEET: 21 OF 21
JOB NUMBER:
14-04-05