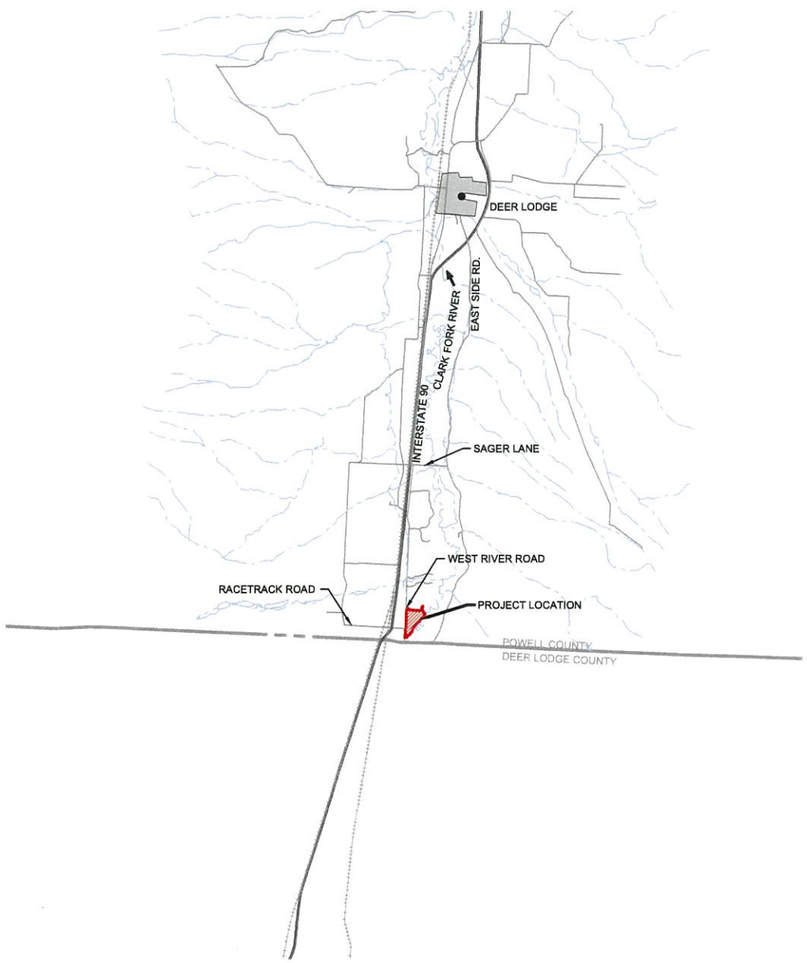
RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENT PROJECT POWELL COUNTY, MONTANA

NOVEMBER 2017



PREPARED FOR:

NATURAL RESOURCE DAMAGE PROGRAM
MONTANA DEPARTMENT OF JUSTICE

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D5	BOAT RAMP DETAILS
D6	OUTLET STRUCTURE DETAILS
D7	EROSION CONTROL DETAILS

PREPARED BY:

TETRA TECH

303 Irene Street, Helena, MT 59601 (406) 443-5210

Geum Environmental Consulting

MONTANA
LARRY D. CAWLFIELD
No. 7402 PE
11/17/17
LICENSED
PROFESSIONAL ENGINEER

LEGEND

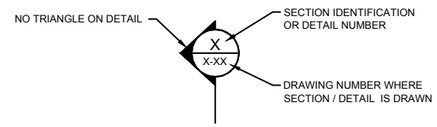
EXISTING

- 5210 — MAJOR CONTOUR & ELEVATION LABEL
- MINOR CONTOUR
- PROPERTY BOUNDARY
- FENCE
- EDGE OF ROAD (PAVED)
- EDGE OF ROAD (UNPAVED)
- BRIDGE
- CULVERT
- BUILDING OR STRUCTURE FOOTPRINT
- SHRUBBERY OR TREE

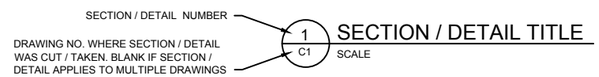
PROPOSED

- DISTURBANCE BOUNDARY
- WORK AREA BOUNDARY
- REGRADING BOUNDARY
- 5210 — SUBGRADE MAJOR CONTOUR & ELEVATION LABEL
- SUBGRADE MINOR CONTOUR
- 5210 — FINAL GROUND MAJOR CONTOUR & ELEVATION LABEL
- FINAL GROUND MINOR CONTOUR
- CLEAR & GRUB VEGETATION
- PRESERVE VEGETATION
- 1.5 / 1.5 (− +) GRADING CUT/FILL-TICK
- GENERAL GROUNDWATER DEWATERING SEDIMENT POND LOCATION
- GROUNDWATER DEWATERING TRENCH
- GROUNDWATER DEWATERING TRENCH DISCHARGE PIPE

SECTION AND DETAIL DESIGNATION



SECTION CUT / DETAIL CALLOUT SYMBOL



TITLE FOR SECTION CUT / DETAIL

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CURRENT CONDITIONS AND LOCATIONS OF ALL EXISTING ITEMS WITHIN OR ADJACENT TO THE WORK, OR THAT MAY BE DISTURBED BY THE WORK.
2. THE LOCATIONS OF ALL SUBSURFACE CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AND SHOWN LOCATIONS MAY NOT BE REPRESENTATIVE.
3. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING SURFACE FEATURES AND OTHER EXISTING ITEMS.
4. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SURFACE AND SUBSURFACE UTILITIES PRIOR TO DISTURBING SUBSURFACE.
5. DRAWINGS SHALL BE PLOTTED IN COLOR FOR REALIZATION OF ALL DESIGN FEATURES.

ABBREVIATIONS

Ø	DIAMETER
%	PERCENT
Δ	DEFLECTION ANGLE
CF	CUBIC FEET
CY	CUBIC YARD
DIA	DIAMETER
EG	EXISTING GROUND
FG	FINAL GROUND
FO	FIBER OPTIC
LF	LINEAR FEET
MDEQ	MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY
MISC	MISCELLANEOUS
MPWSS	MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS
NTS	NOT TO SCALE
OE	OVERHEAD ELECTRIC
QTY	QUANTITY
RD	ROAD
ROW	RIGHT OF WAY
STA	STATION
SF	SQUARE FEET
SY	SQUARE YARD
TYP	TYPICAL
UP	UTILITY POLE
UG	UNDERGROUND
WSE	WATER SURFACE ELEVATION

MAPPING SOURCES

SURVEY CONTROL:	D J & A, MISSOULA, MT
LiDAR DATA ACQUISITION:	FUGRO EARTHDATA, INC., RAPID CITY, SD, AUGUST 2011
LiDAR PROCESSING:	D J & A, MISSOULA, MT

MAPPING DATUM

HORIZONTAL DATUM (UNITS):	MONTANA STATE PLANE COORDINATES, NAD 83 (INTERNATIONAL FEET)
VERTICAL DATUM (UNITS):	NAVD88 (US SURVEY FEET)

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MONTANA LARRY D. CAWLFIELD No. 7402 PE LICENSED PROFESSIONAL ENGINEER

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0	11/9/17	ISSUED FOR BID	SEF

Client: MONTANA DEPARTMENT OJ JUSTCE
Proj. Loc.: DEER LODGE, MONTANA
RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

GENERAL LEGEND AND NOTES

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
Checked By:	BJB

G2

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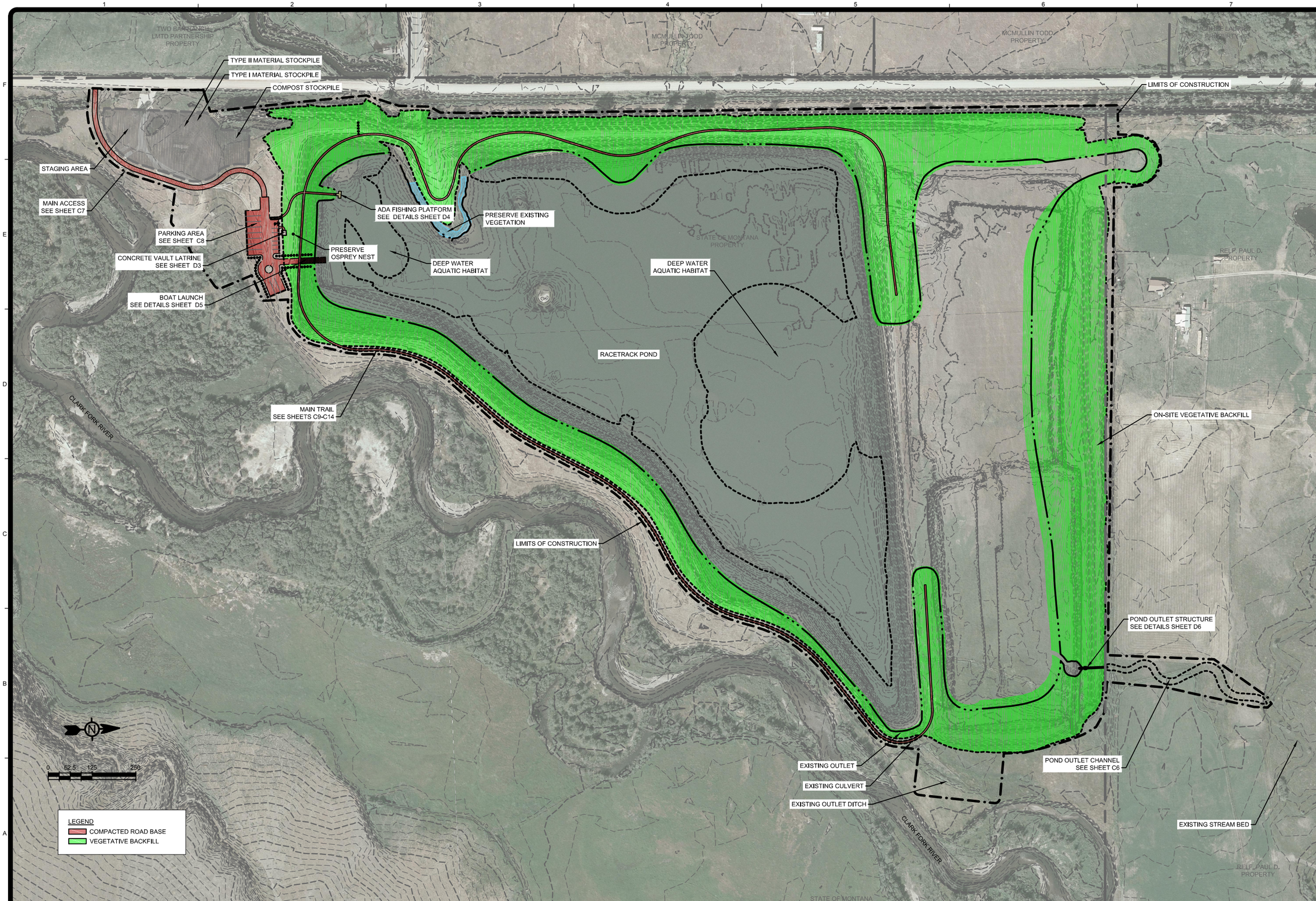

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Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

GENERAL SITE PLAN

Project No.:	114-560588
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Drawn By:	SEF
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C1

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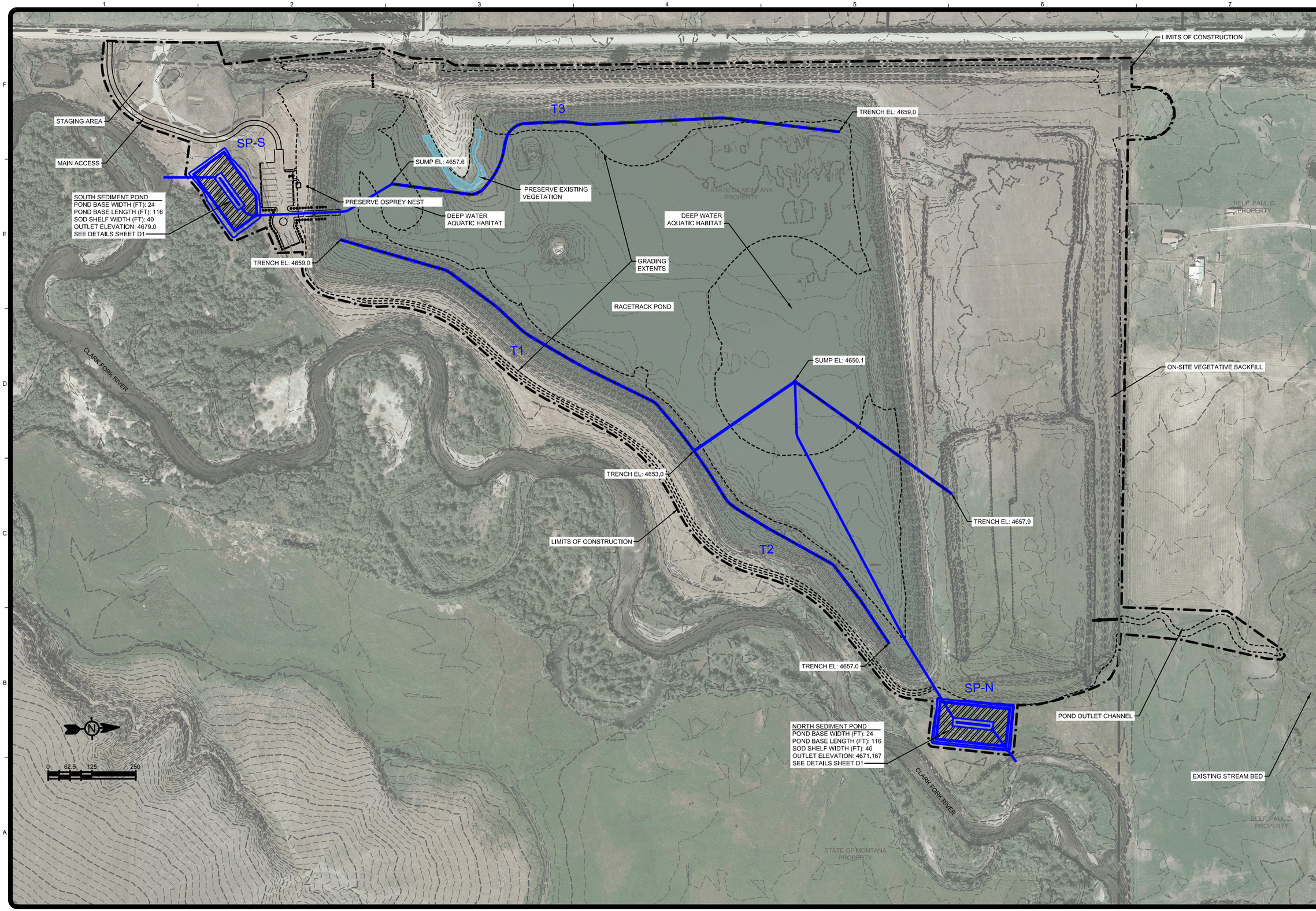

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RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

DEWATERING PLAN

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
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C2

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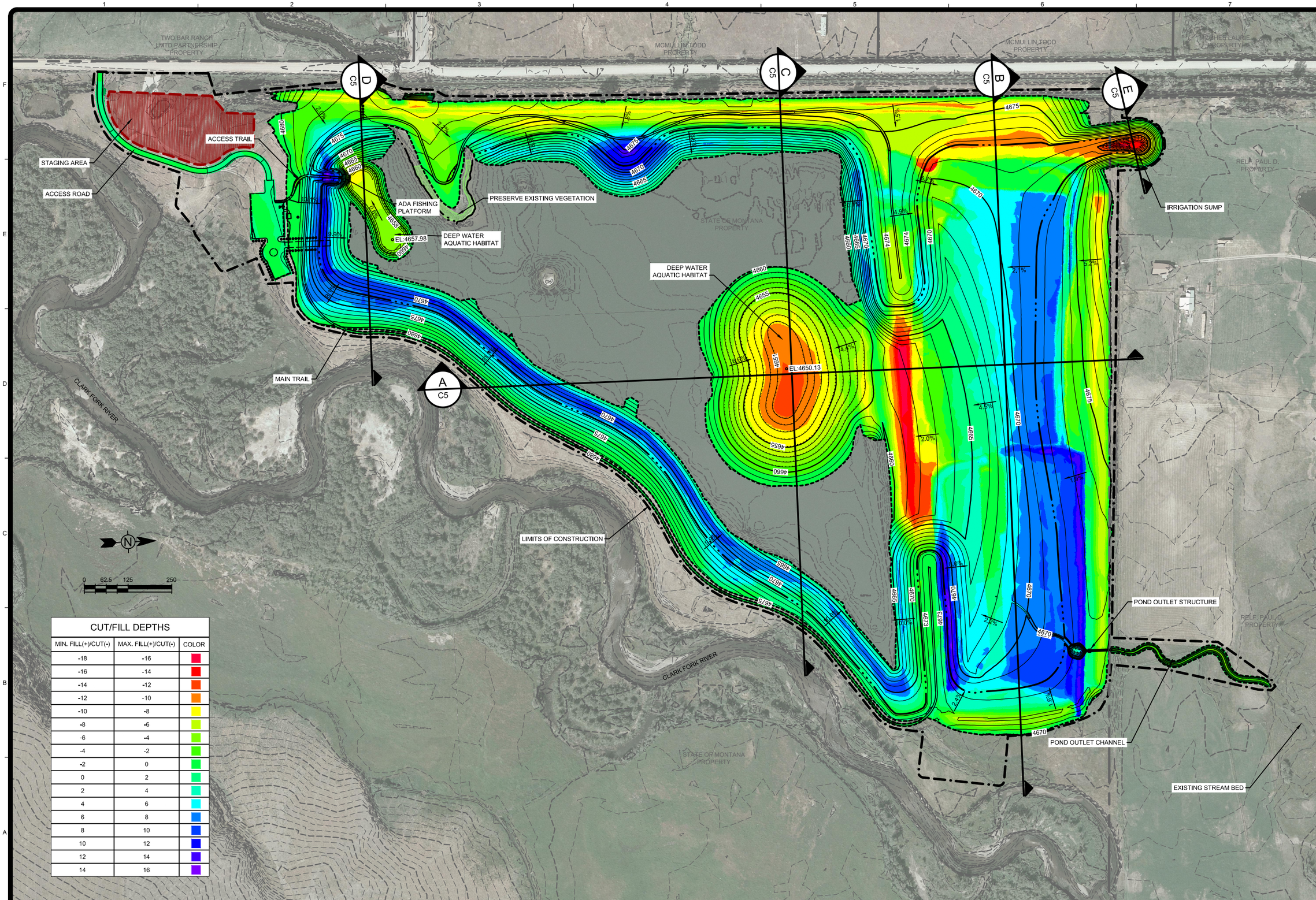

CUT/FILL DEPTHS

MIN. FILL(+)/CUT(-)	MAX. FILL(+)/CUT(-)	COLOR
-18	-16	
-16	-14	
-14	-12	
-12	-10	
-10	-8	
-8	-6	
-6	-4	
-4	-2	
-2	0	
0	2	
2	4	
4	6	
6	8	
8	10	
10	12	
12	14	
14	16	

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No. 7402 PE

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Client: MONTANA DEPARTMENT OJ JUSTICE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

SUBGRADE PLAN

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
Checked By:	BJB

C3

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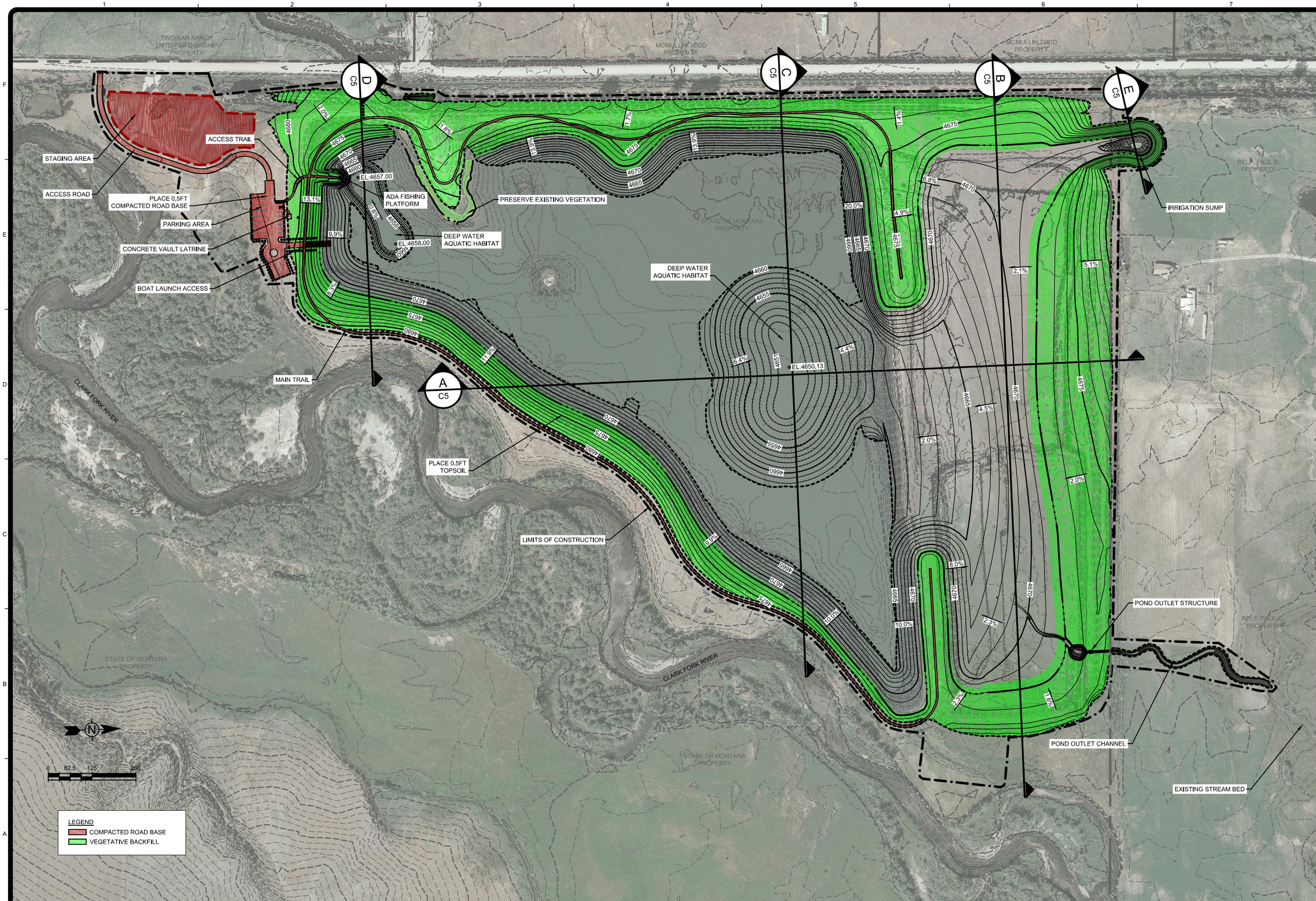

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No. 7402 PE

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Client: MONTANA DEPARTMENT OJ JUSTCE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

FINAL GRADING PLAN

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
Checked By:	BJB

C4

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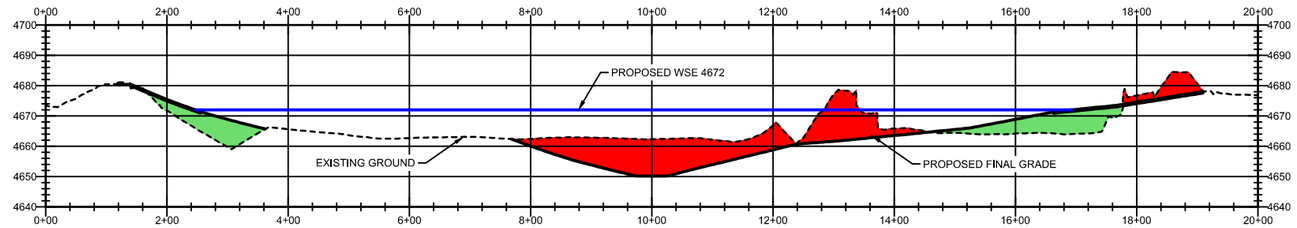

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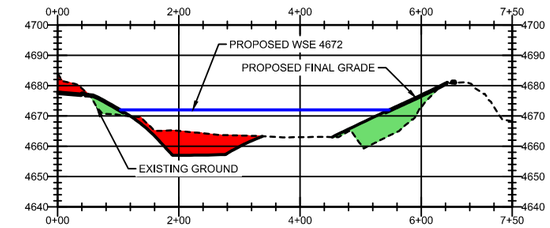

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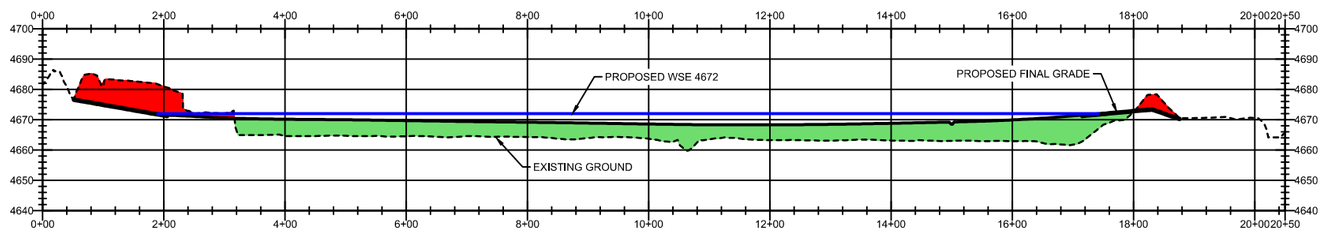

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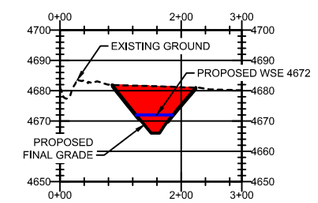

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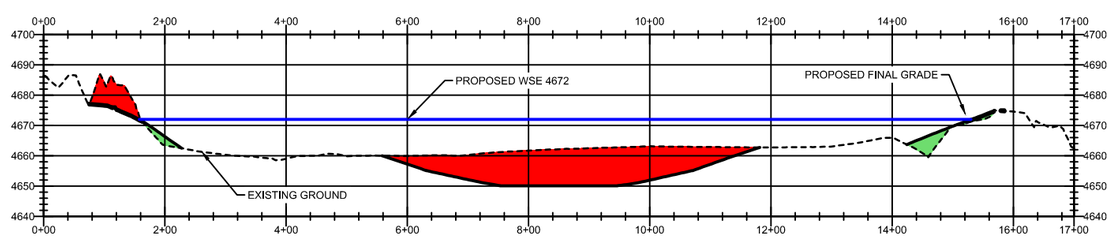

C C3,C4 POND SECTION

LEGEND
CUT AREAS
FILL AREAS

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Client: MONTANA DEPARTMENT OF JUSTICE
Proj. Loc.: DEER LODGE, MONTANA
RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS
GRADING SECTIONS

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
Checked By:	BJB

C5

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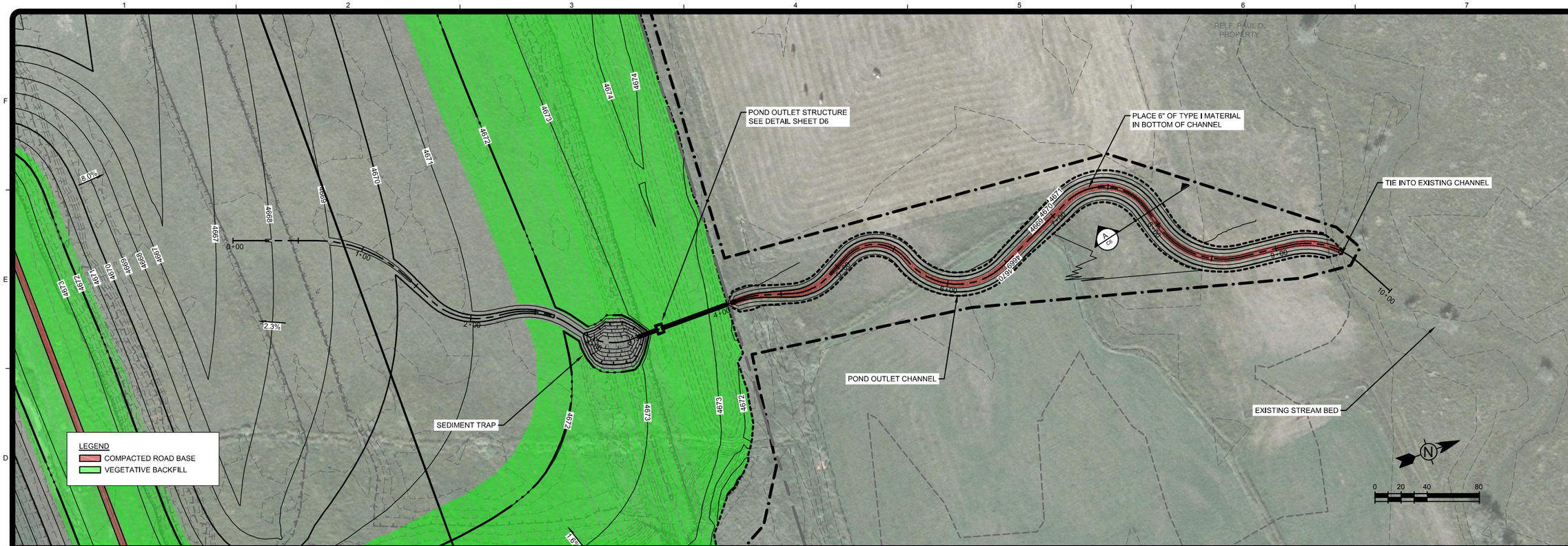

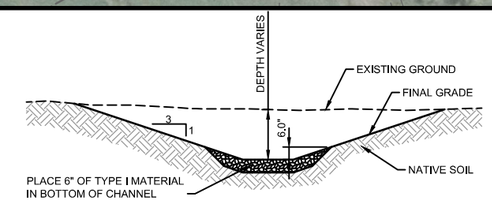

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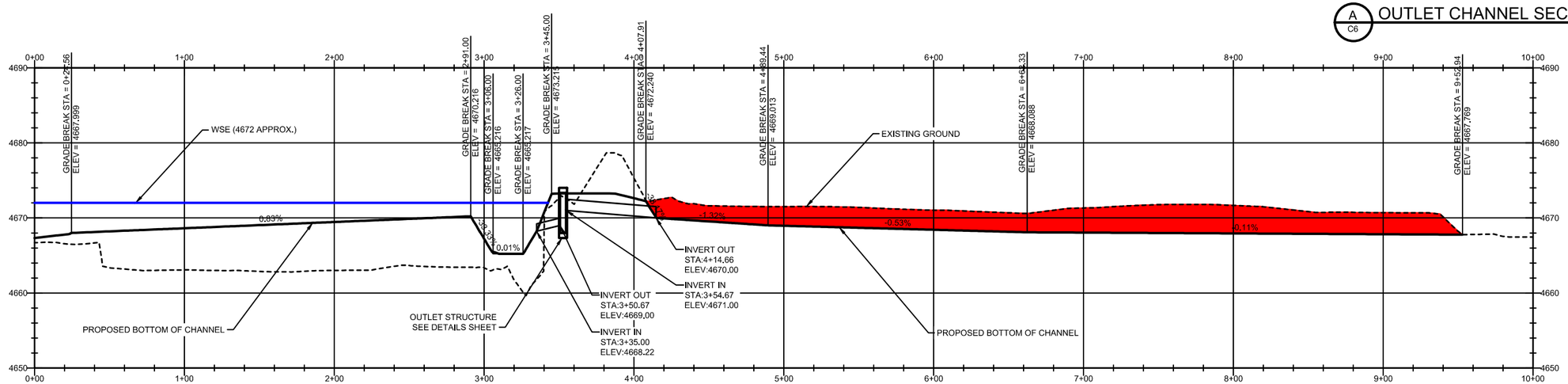

OUTLET STRUCTURE AND CHANNEL PROFILE

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RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

OUTLET PLAN AND PROFILE

Project No.:	114-560588
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C6

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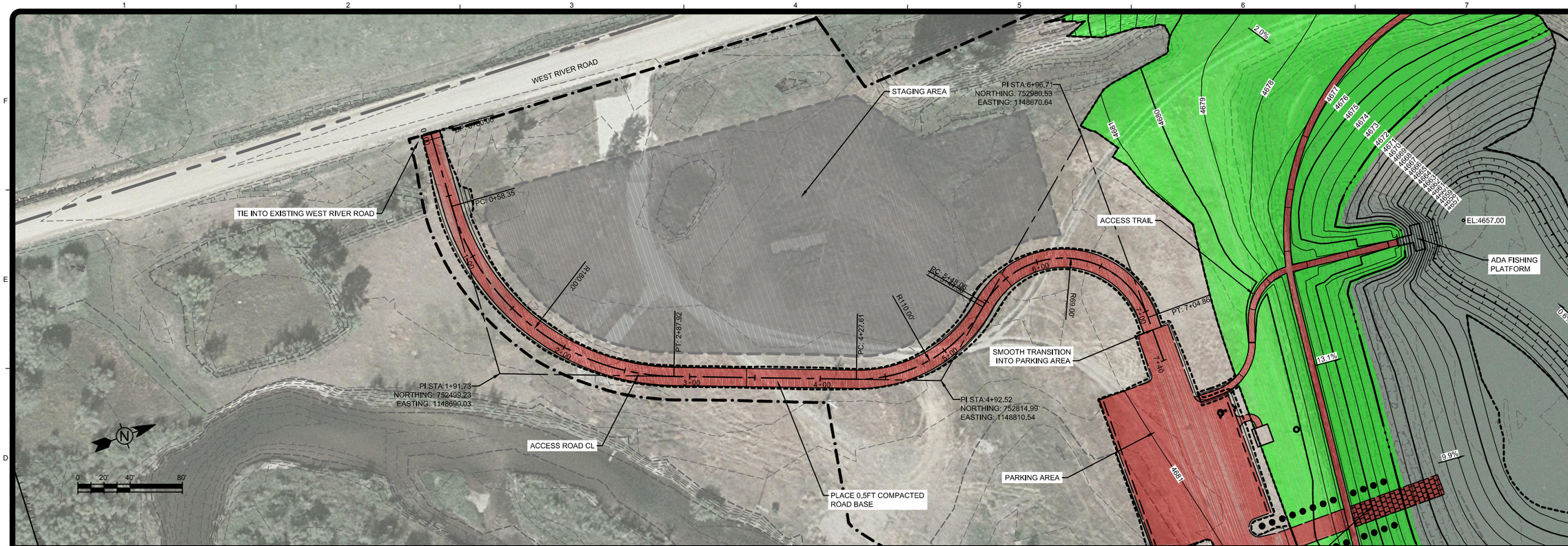

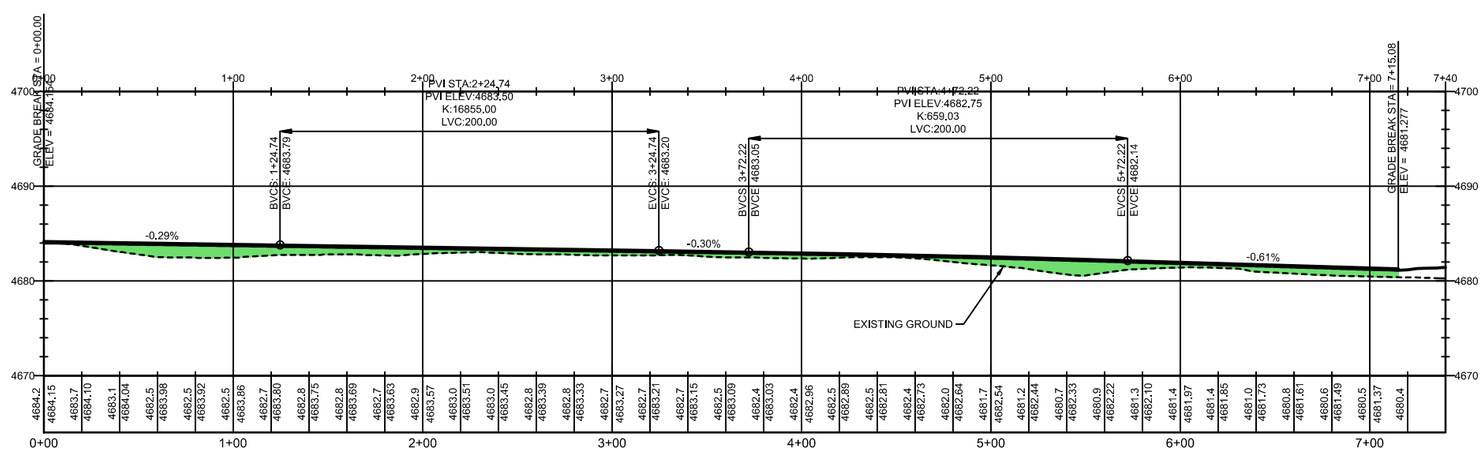

LEGEND

CUT AREAS

FILL AREAS

ACCESS ROAD PROFILE

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Client: MONTANA DEPARTMENT OJ JUSTICE
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RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

ACCESS ROAD PLAN AND PROFILE

Project No.:	114-560588
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Drawn By:	SEF
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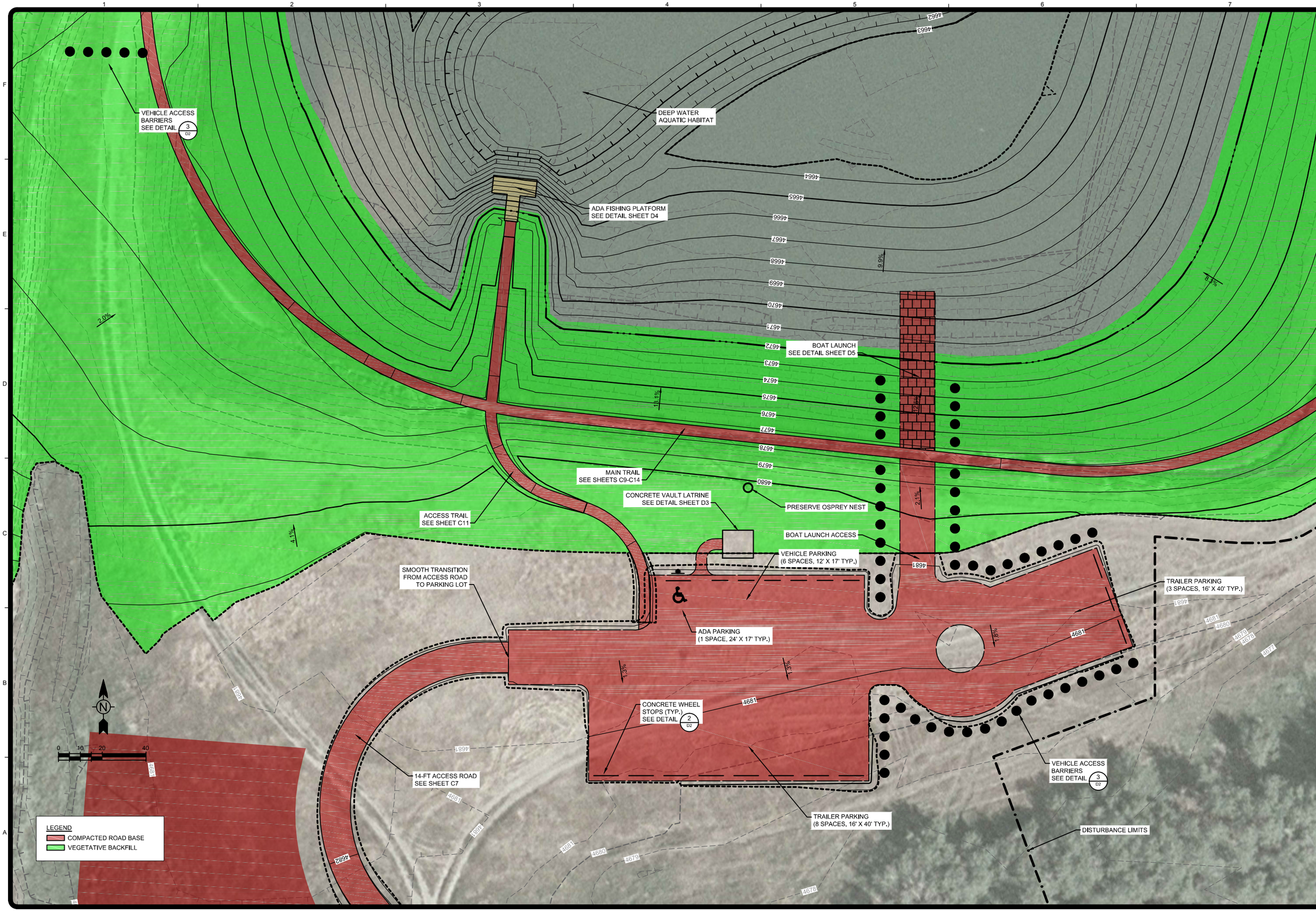

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MONTANA LICENSED PROFESSIONAL ENGINEER
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No. 7402 PE

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Client: MONTANA DEPARTMENT OF JUSTICE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

PARKING LOT GRADING AND AMENITIES PLAN

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
Checked By:	BJB

C8

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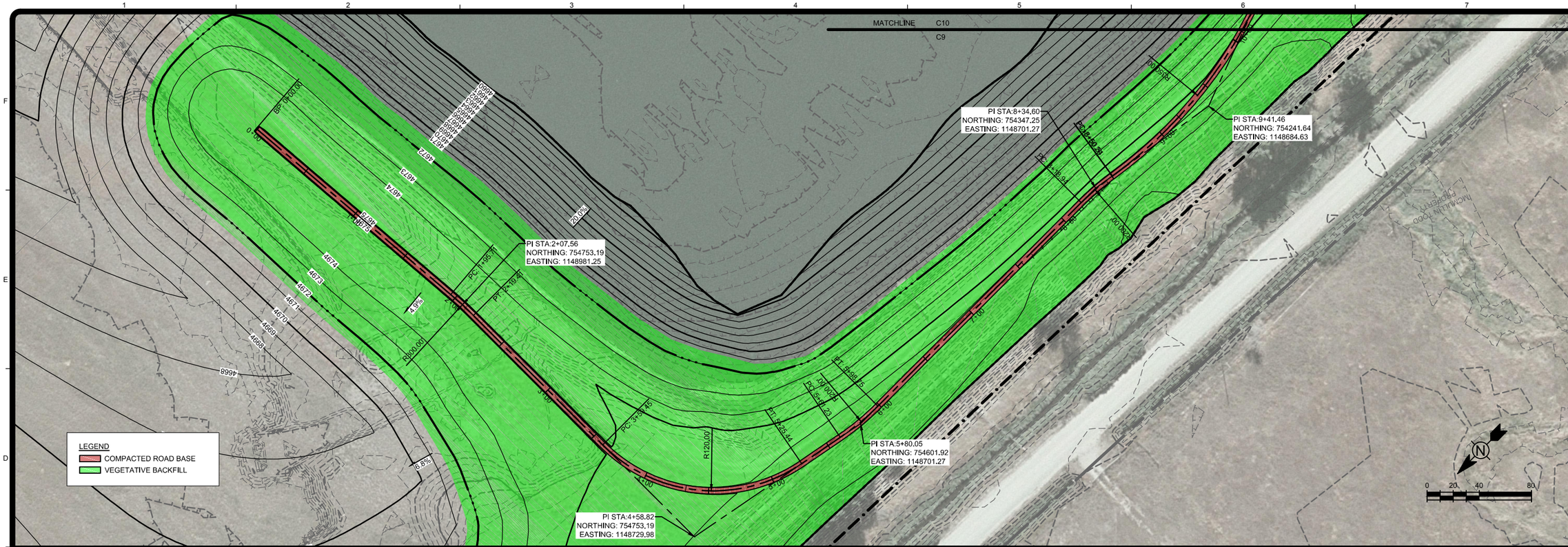
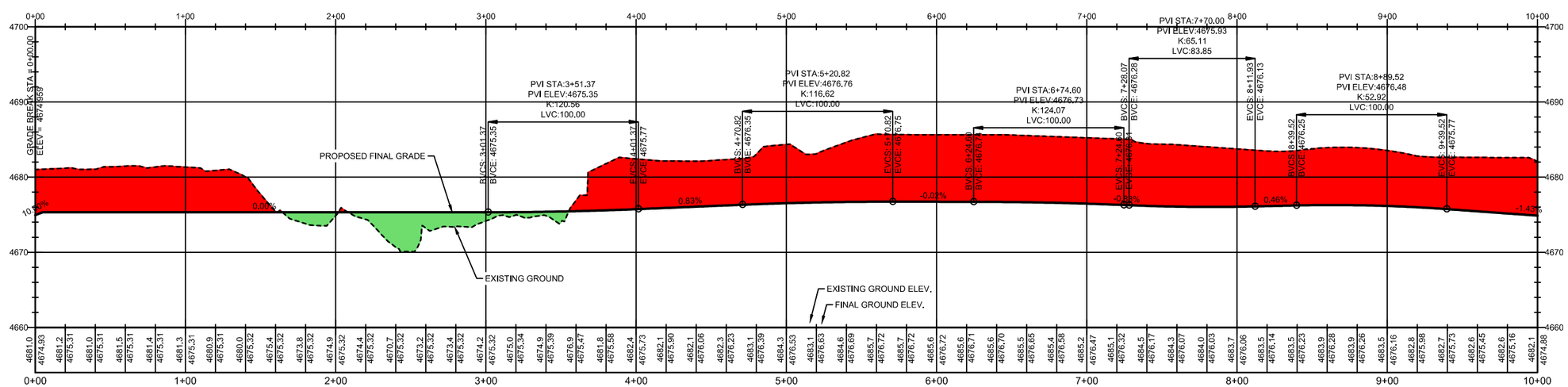


PLAN



TRAIL PROFILE STA 0+00 TO 10+00

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RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

TRAIL
PLAN AND PROFILE
STA 0+00 TO 9+00

Project No.:	114-560588
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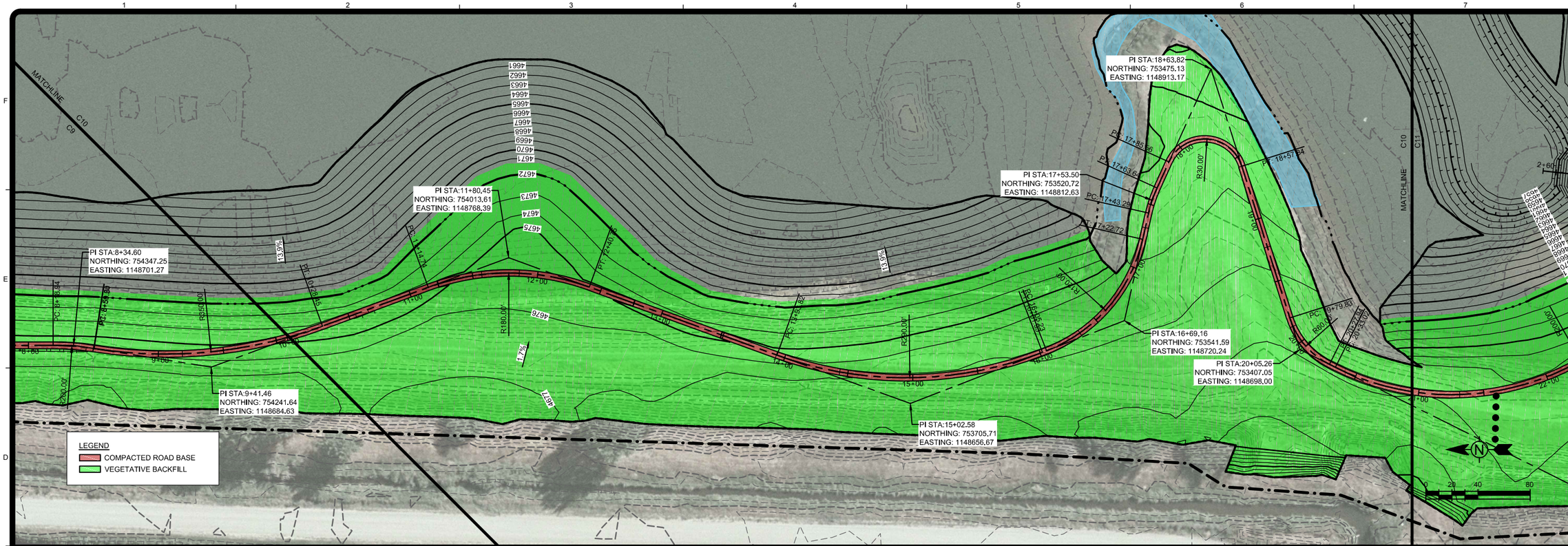

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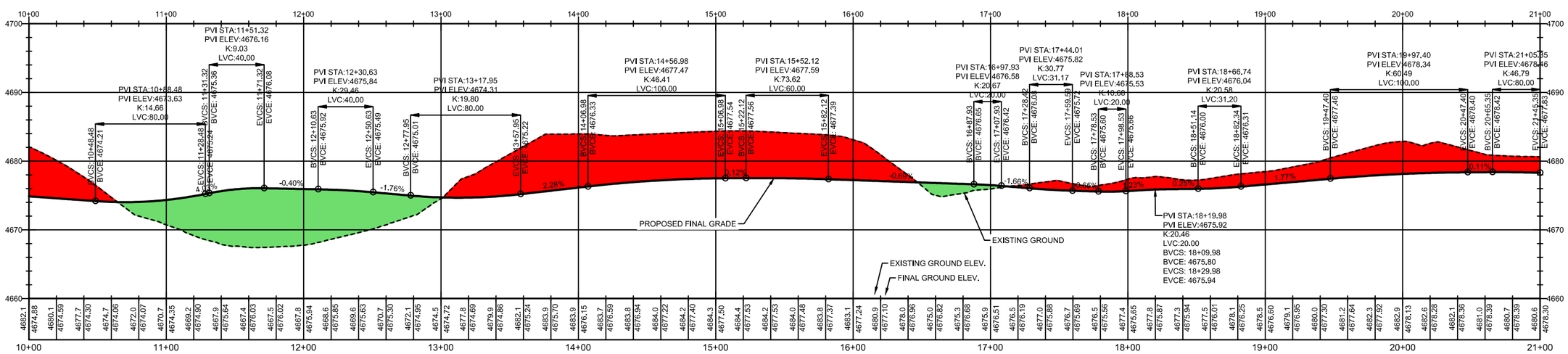

TRAIL PROFILE STA 10+00 TO 21+00

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RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

TRAIL
PLAN AND PROFILE
STA 9+00 TO 21+00

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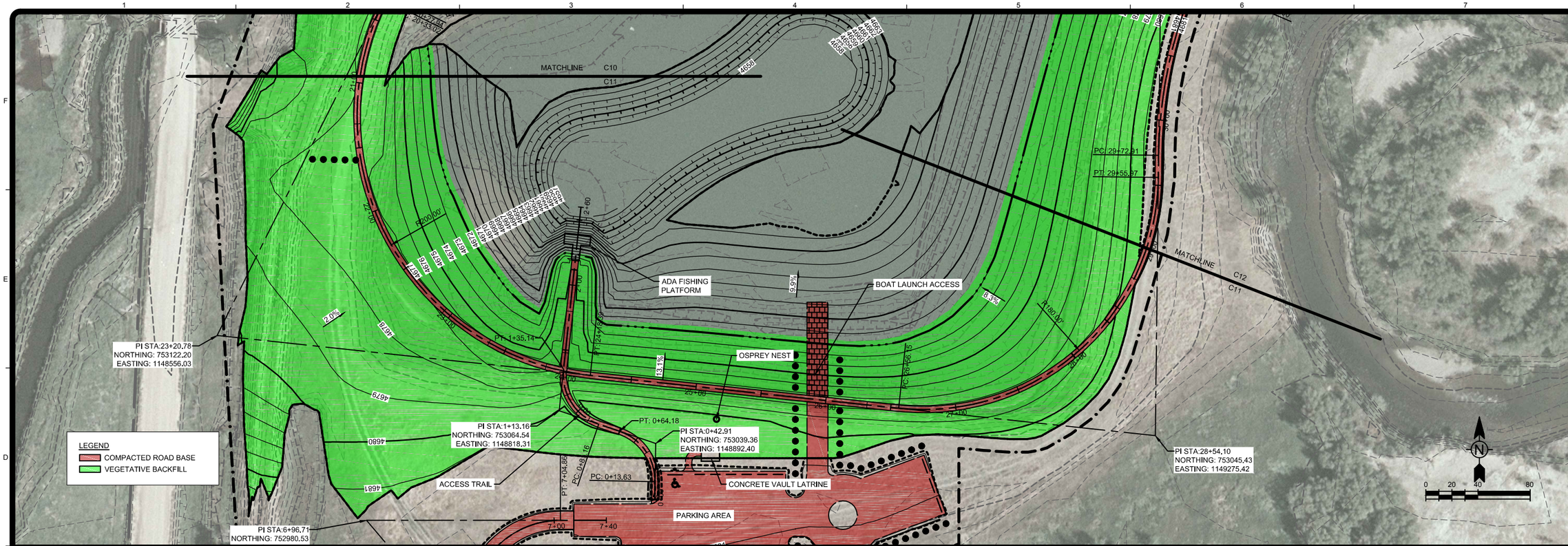
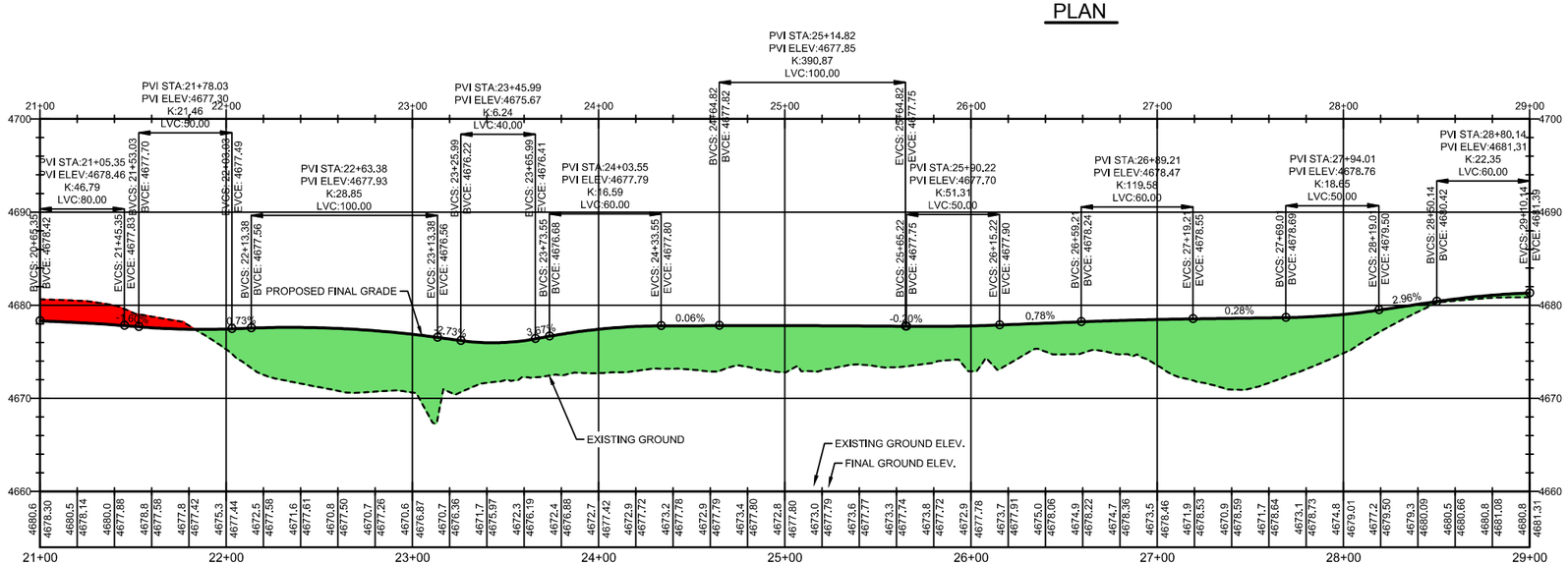
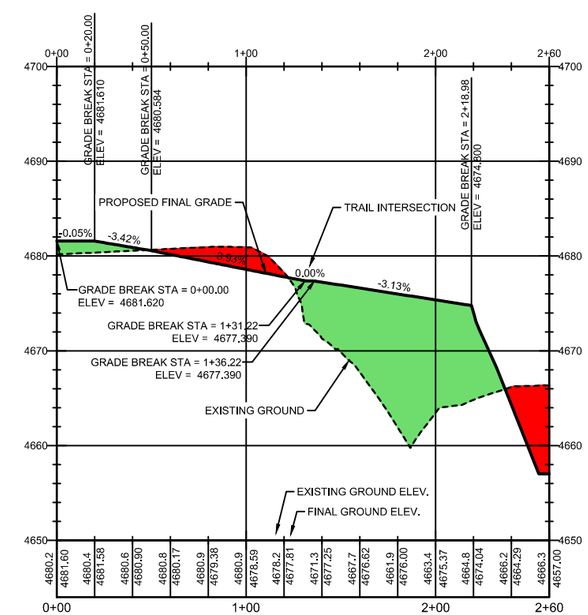


PLAN



TRAIL PROFILE STA 21+00 TO 29+00



ACCESS TRAIL PROFILE

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MONTANA LICENSED PROFESSIONAL ENGINEER
LARRY D. CAWLFIELD
No. 7402 PE

MARK	DATE	DESCRIPTION	BY
0	11/9/17	ISSUED FOR BID	SEF

Client: MONTANA DEPARTMENT OJ JUSTCE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

TRAIL PLAN AND PROFILE STA 21+00 TO 29+00

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
Checked By:	BJB

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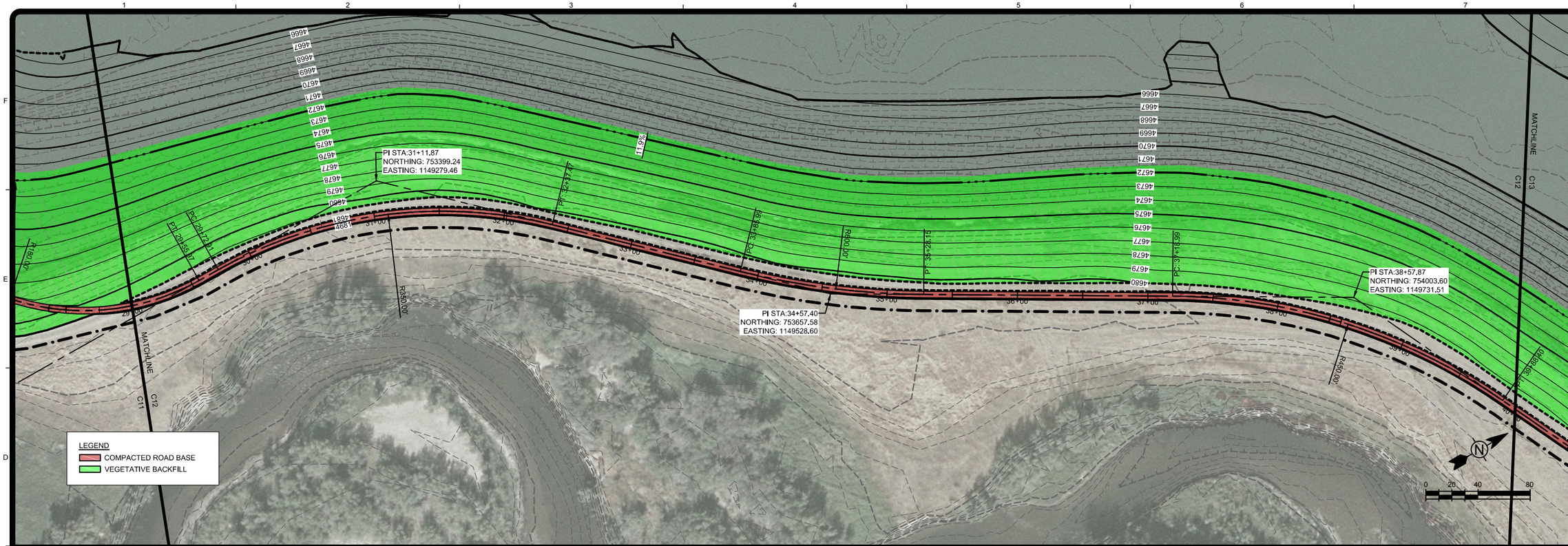

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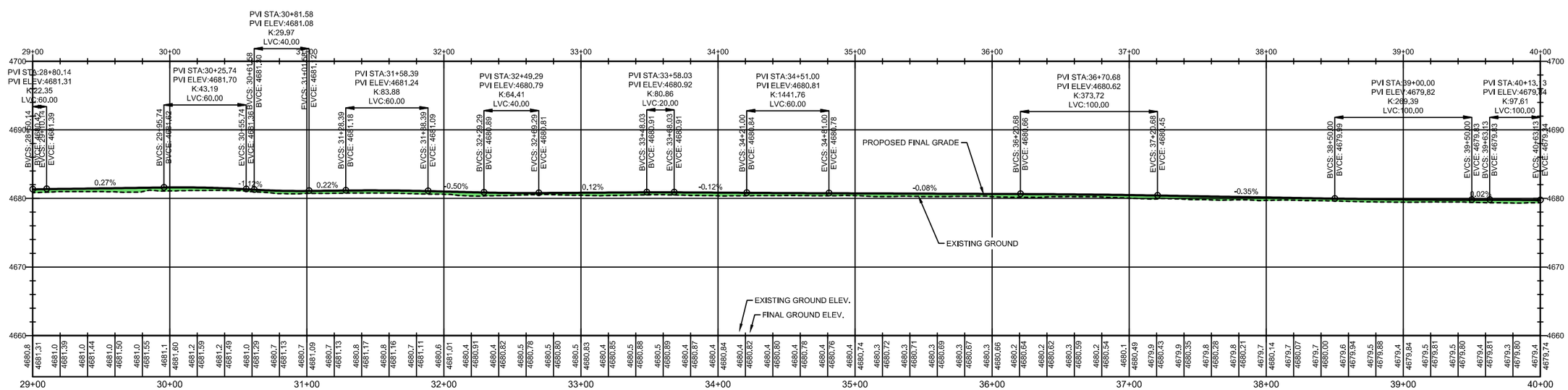

LEGEND
CUT AREAS
FILL AREAS

TRAIL PROFILE STA 29+00 TO 40+00

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MONTANA LICENSED PROFESSIONAL ENGINEER
LARRY D. CAVILFIELD
No. 7402 PE

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RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

TRAIL
PLAN AND PROFILE
STA 29+00 TO 40+00

Project No.:	114-560588
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Drawn By:	SEF
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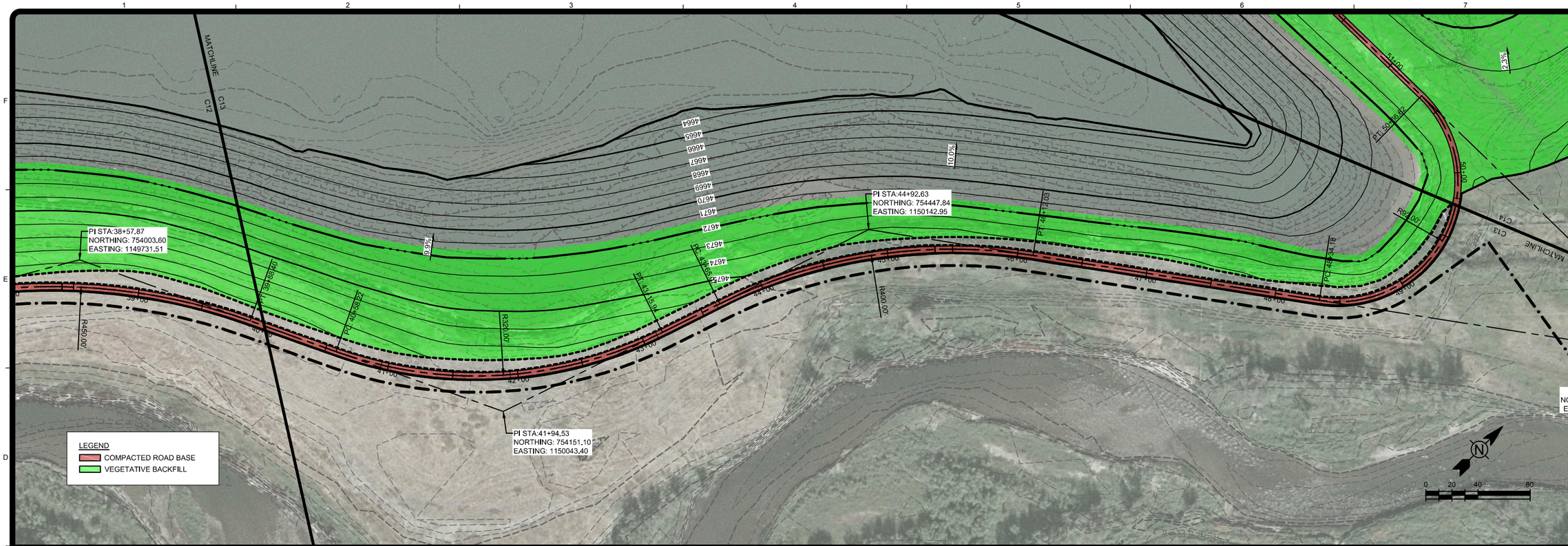

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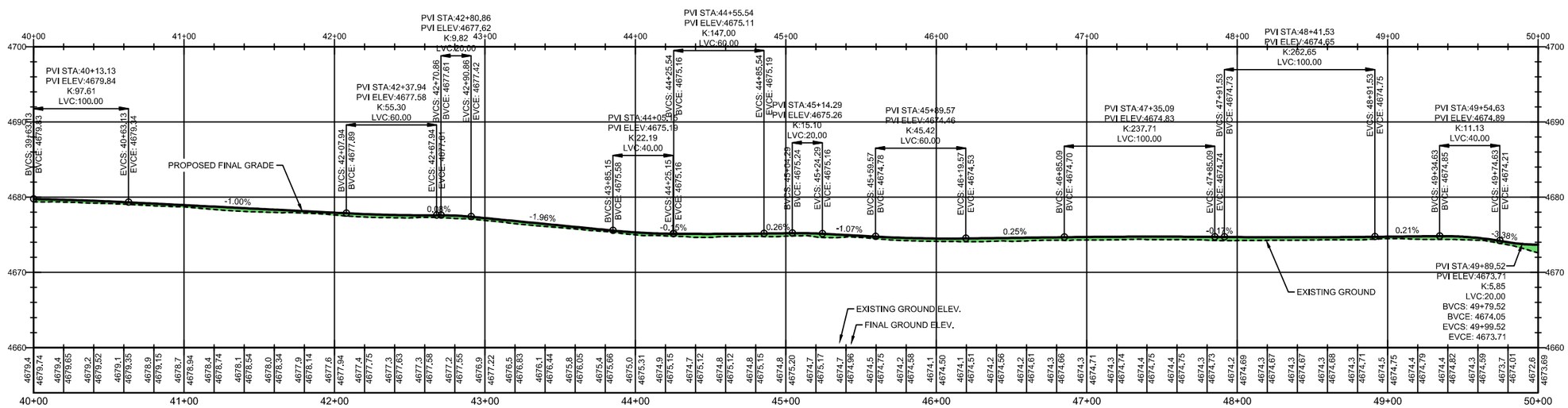

LEGEND
CUT AREAS
FILL AREAS

TRAIL PROFILE STA 40+00 TO 50+00

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MONTANA LICENSED PROFESSIONAL ENGINEER
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No. 7402 PE

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Client: MONTANA DEPARTMENT OJ JUSTCE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

TRAIL PLAN AND PROFILE STA 40+00 TO 50+00

Project No.:	114-560588
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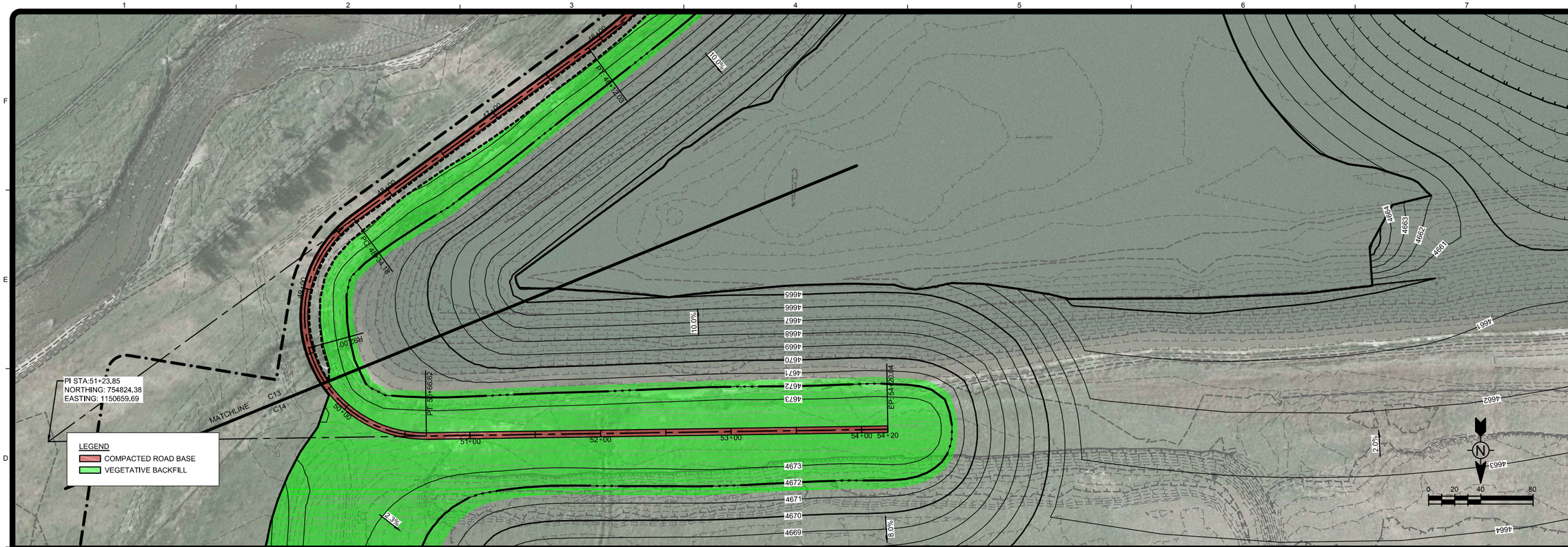

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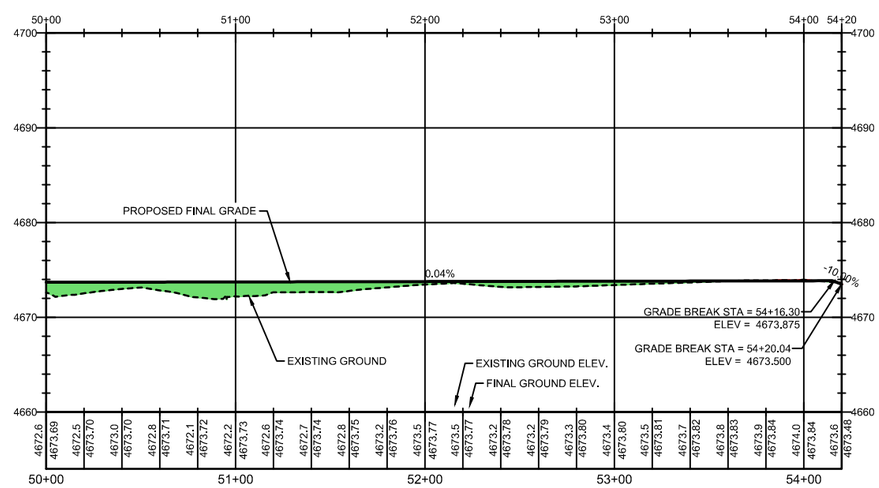

TRAIL PROFILE STA 50+00 TO 54+20

LEGEND
- CUT AREAS
- FILL AREAS

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MONTANA LICENSED PROFESSIONAL ENGINEER
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No. 7402 PE

MARK	DATE	DESCRIPTION	BY
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Client: MONTANA DEPARTMENT OJ JUSTCE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

TRAIL PLAN AND PROFILE STA 50+00 TO 54+20

Project No.:	114-560588
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MONTANA LICENSED PROFESSIONAL ENGINEER
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No. 7402 PE

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Client: MONTANA DEPARTMENT OJ JUSTICE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

SOD SALVAGE PLAN

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Drawn By:	SEF
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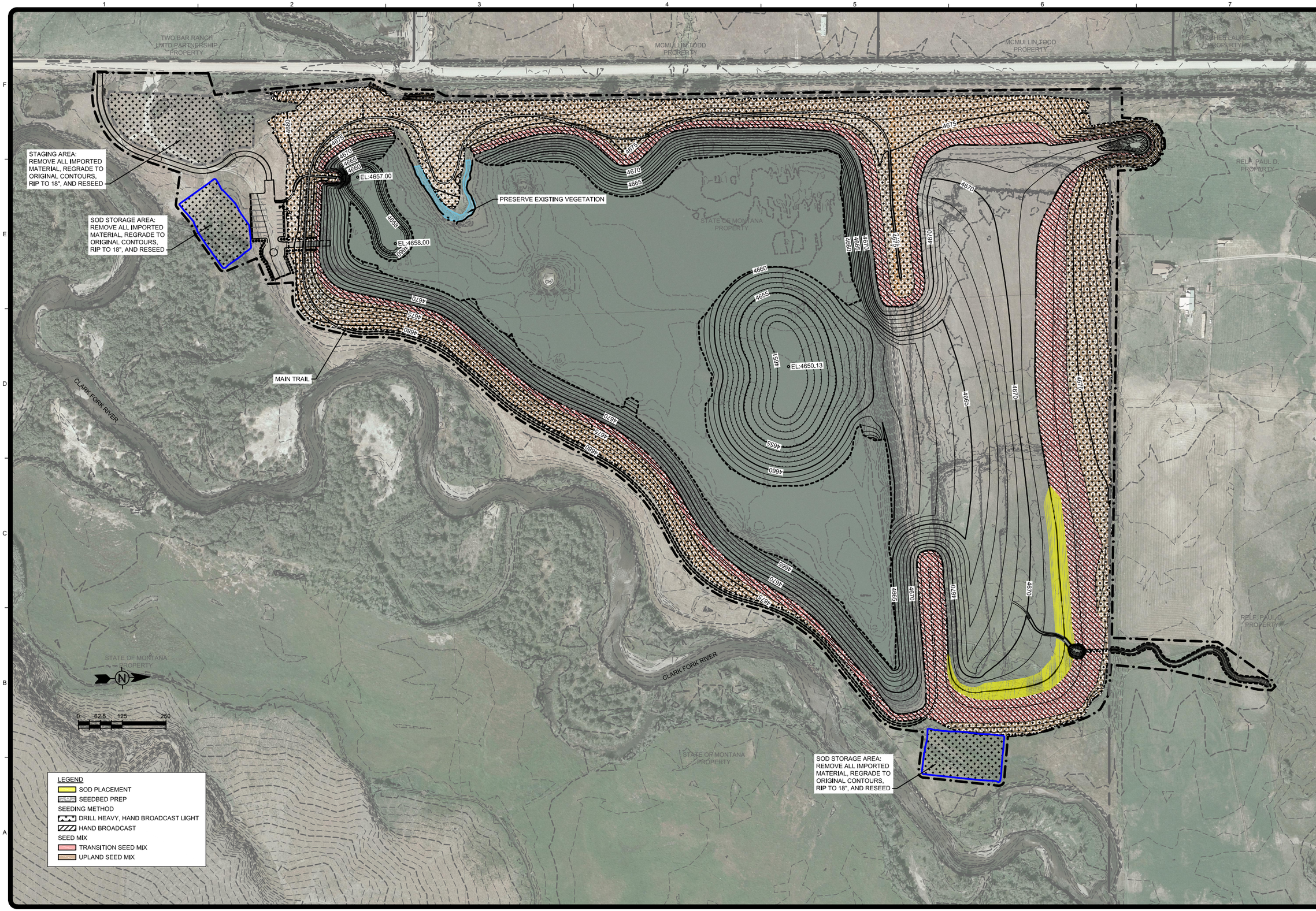

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MONTANA LICENSED PROFESSIONAL ENGINEER
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No. 7402 PE

MARK	DATE	DESCRIPTION	BY
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Client: MONTANA DEPARTMENT OJ JUSTICE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

SOD PLACEMENT AND SEEDING PLAN

Project No.:	114-560588
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NATURAL RESOURCE DAMAGE PROGRAM

MONTANA LICENSED PROFESSIONAL ENGINEER
LARRY D. CAWLFIELD
No. 7402 PE

MARK	DATE	DESCRIPTION	BY
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Client: MONTANA DEPARTMENT OJ JUSTCE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE
AND HABITAT IMPROVEMENTS

BORROW SOURCE AND REPOSITORY OVERVIEW

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
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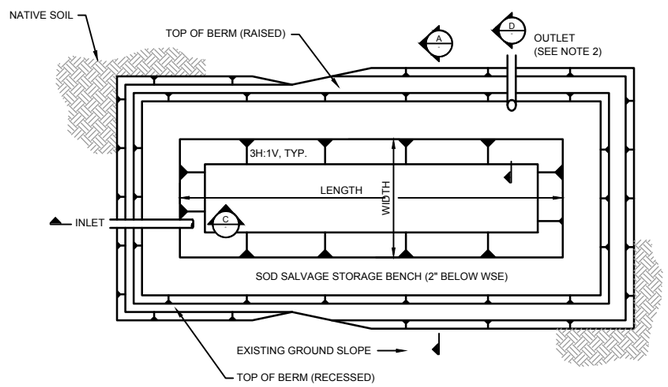
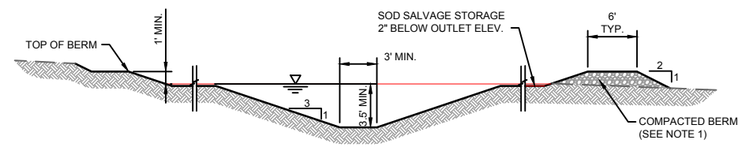
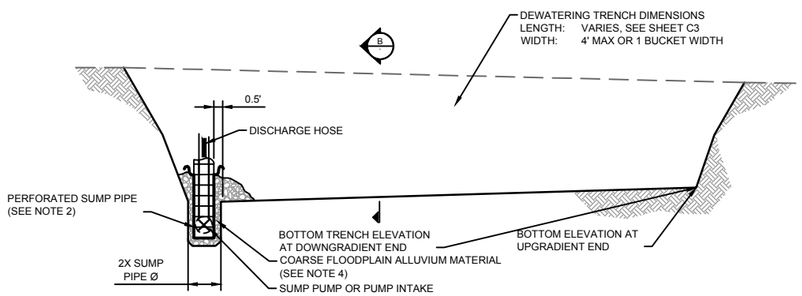


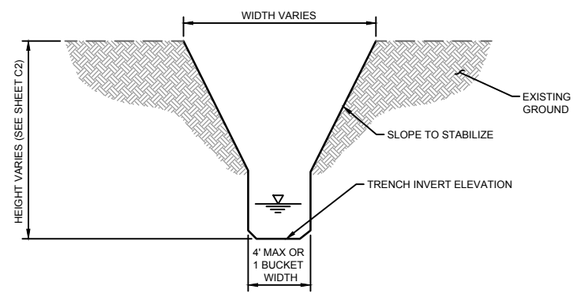
1 SEDIMENT DETENTION POND
NTS



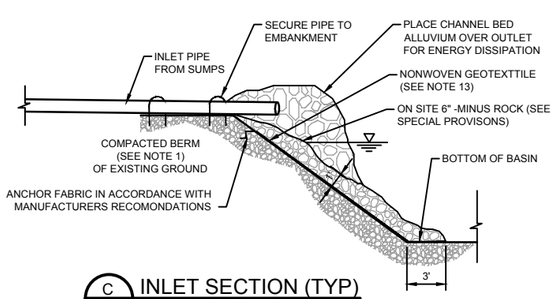
A SEDIMENT DETENTION POND SECTION
SCALE: NTS



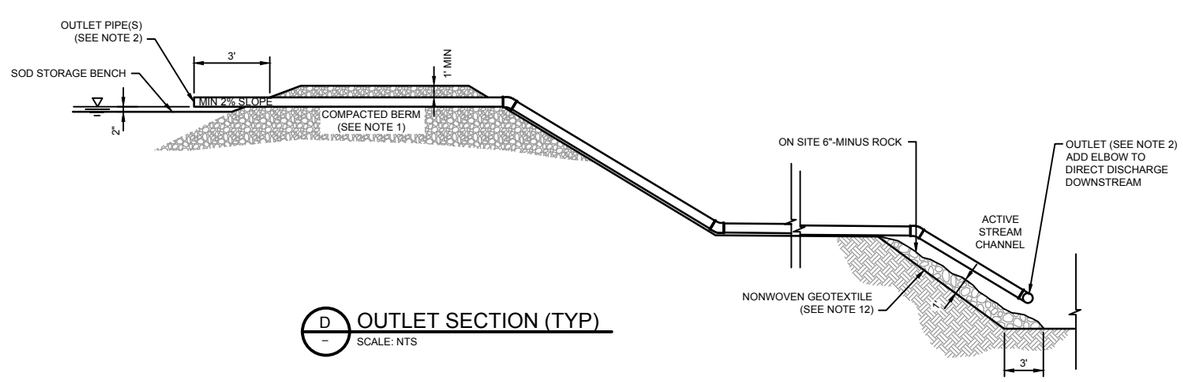
2 GROUNDWATER DEWATERING TRENCH AND SUMP PROFILE (TYP)
NTS



B DEWATERING TRENCH SECTION
NTS



C INLET SECTION (TYP)
SCALE: NTS



D OUTLET SECTION (TYP)
SCALE: NTS

GENERAL NOTES:

1. FILL FOR CONSTRUCTING SEDIMENT DETENTION PONDS SHALL BE CLEAN NATIVE MATERIAL. FILL SHALL BE PLACED BY 1' LIFTS AND MECHANICALLY COMPACTED. FILL SHALL HAVE NO ROCKS LARGER THAN 6" DIAMETER. EACH COMPACTED LIFT SHALL BE SCARIFIED TO A DEPTH OF AT LEAST 2" PRIOR TO THE PLACEMENT OF THE NEXT LIFT.

2. DISCHARGES FROM SEDIMENT PONDS CAN OCCUR USING EITHER OF THE FOLLOWING METHODS:
   - 2.1. CONTRACTOR MAY DISCHARGE VISUALLY CLEAR (LITTLE TO NO TURBIDITY AS DETERMINED BY ENGINEER) FROM THE SEDIMENT POND DIRECTLY TO SURFACE WATER WHERE A MINIMUM OF 2 FEET OF WATER IS PRESENT, OR CHANNEL IS FREE OF FINE MATERIAL.
   - 2.2. CONTRACTOR SHALL PROTECT THE DISCHARGE OUTLETS OF THE SEDIMENT PONDS FROM EROSION WITH NONWOVEN GEOTEXTILE COVERED BY 8-INCH MINUS ROCK AS ON SECTION C, THIS SHEET.

3. INSTALL THE DISCHARGE OUTLET PIPING FROM THE SEDIMENT POND WITHIN THE STREAM CHANNEL AND BELOW THE CURRENT SURFACE WATER ELEVATION. ANCHOR THE DISCHARGE OUTLET PIPING IN THE STREAM UTILIZING SAND BAGS. INSTALL 6"-MINUS ON SITE ROCK OUTLET APRON AT LOCATIONS REQUESTED BY ENGINEER.

4. STREAM CHANNEL BANKS SHALL BE PROTECTED FROM EROSION IN A SIMILAR MANNER AS THE GRAVITY OUTLET DISCHARGES AT THE SEDIMENT POND PUMP OUTLET (SEE SECTION C, THIS SHEET).

5. SEDIMENT DETENTION POND PUMP DISCHARGE PIPE SHALL HAVE A MINIMUM CAPACITY EQUAL TO THE SEDIMENT POND INFLUENT FLOW RATE.

6. SUMP PIPE SHALL HAVE MINIMUM DIAMETER OF 24". OPEN SPACE OF PERFORATIONS IN SUMP PIPE SHALL EXCEED 80 SQUARE INCHES PER 100 FEET OF TRENCH. WRAP PIPE WITH GEOTEXTILE .

7. PROVIDE SUITABLE RIGID SUPPORT FOR PIPING AND ELECTRICAL CROSSINGS OF DEWATERING TRENCHES, AND ACTIVE STREAM CHANNEL.

8. ALL PETROLEUM POWERED PUMPS AND FUEL CONTAINERS SHALL BE PLACED IN SECONDARY CONTAINMENT WITH A MINIMUM CAPACITY OF 200% OF THE FUEL VOLUME.

9. IF GRAVITY OUTLET TO THE SEDIMENT DETENTION POND CANNOT BE INSTALLED, A PUMP OUTLET SHALL BE USED.

10. SEDIMENT PONDS ARE DESIGNED TO TREAT UP TO 3500 GPM. OTHER TREATMENT CAPACITIES AND DIMENSIONS CAN BE CONSTRUCTED WITH APPROVAL OF ENGINEER

NOTES FOR SECTIONS C & D:

11. THE DISCHARGE AREAS FROM THE PONDS INTO THE EXISTING OR RECONSTRUCTED STREAM CHANNEL SHALL ALSO BE PROTECTED WITH NONWOVEN GEOTEXTILE AND 8-INCH MINUS ROCK. CONTRACTOR SHALL FURNISH AND PLACE PERMEATEX 4040 NONWOVEN GEOTEXTILE MATERIAL SPECIFICATIONS TO ENGINEER IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS.

12. PLACE AND ANCHOR GEOTEXTILE ON THE APPROVED SMOOTH-GRADED SURFACE. FOR SLOPE PROTECTION, PLACE THE LONG DIMENSION OF THE GEOTEXTILE DOWN THE SLOPE. FOR STREAM BANK PROTECTION, PLACE THE LONG DIMENSION OF THE GEOTEXTILE PARALLEL TO THE CENTERLINE OF THE CHANNEL.

13. OVERLAP THE GEOTEXTILE A MINIMUM OF 12 INCHES AT THE ENDS AND SIDES OF ADJOINING SHEETS OR SEW THE GEOTEXTILE JOINTS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. OVERLAP THE UPHILL OR UPSTREAM SHEET OVER THE DOWNHILL OR DOWNSTREAM SHEET. OFFSET END JOINTS OR ADJACENT SHEETS A MINIMUM OF 5 FEET. PINS MAY BE USED TO HOLD THE GEOTEXTILE IN PLACE. SPACE PINS ALONG THE OVERLAPS AT APPROXIMATELY 3 FOOT CENTERS.

14. PLACE AGGREGATE, SLOPE PROTECTION OR RIPRAP ON THE GEOTEXTILE STARTING AT THE TOE OF THE SLOPE AND PROCEED UPWARD. PLACE 8-INCH MINUS ROCK ONTO THE GEOTEXTILE FROM A HEIGHT OF LESS THAN 12 INCHES. PLACE SLOPE PROTECTION ROCK OR AGGREGATE BACKFILL ONTO THE GOETEXTILE FROM A HEIGHT OF LESS THAN 3 FEET. IN UNDER WATER APPLICATIONS, PLACE THE GEOTEXTILE AND COVER MATERIAL WITHIN THE SAME DAY.

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MONTANA LARRY D. CAWLFIELD No. 7402 PE LICENSED PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
0	11/9/17	ISSUED FOR BID	SEF

Client: MONTANA DEPARTMENT OJ JUSTCE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

DEWATERING DETAILS

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
Checked By:	BJB

D1

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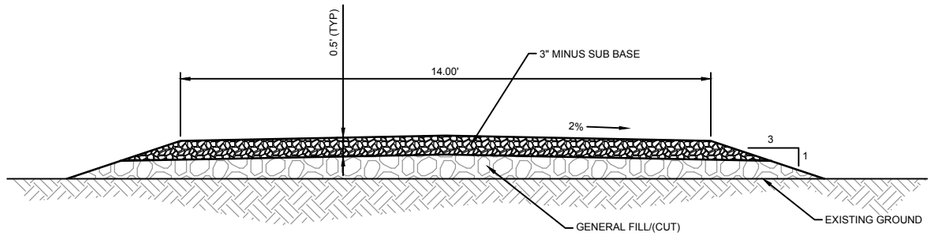
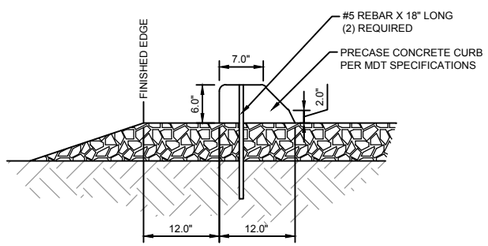
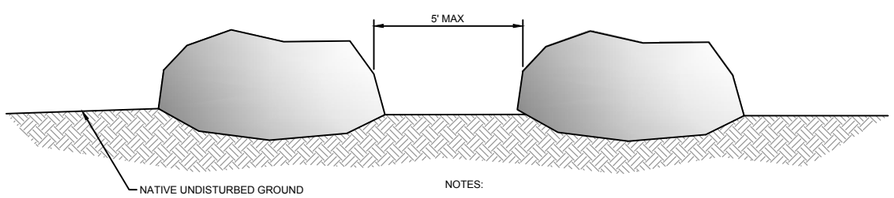


1 ACCESS ROAD TYPICAL SECTION
NTS



2 PRECAST CONCRETE WHEELSTOP SECTION
NTS



NOTES:

1. BARRIER ROCKS SHALL BE PLACED ON UNDISTURBED GRADE.
2. MINIMUM ROCK SIZE 2' x 2' x 2'.
3. BACKFILL EACH BOULDER WITH TOPSOIL MATERIAL TO 1/3 HEIGHT AS AVAILABLE.
4. SPACE BARRIER ROCKS AT A MAXIMUM DISTANCE OF 5-FT (EDGE TO EDGE).
5. PLACE BARRIER ROCKS 5-6 FT FROM EDGE OF ROAD (EDGE TO GRAVEL).

3 BARRIER ROCK PLACEMENT DETAIL
NTS

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MONTANA LICENSED PROFESSIONAL ENGINEER
LARRY D. CAWLFIELD
No. 7402 PE

MARK	DATE	DESCRIPTION	BY
0	11/9/17	ISSUED FOR BID	SEF

Client: MONTANA DEPARTMENT OJ JUSTICE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

MISCELLANEOUS DETAILS

Project No.:	114-560588
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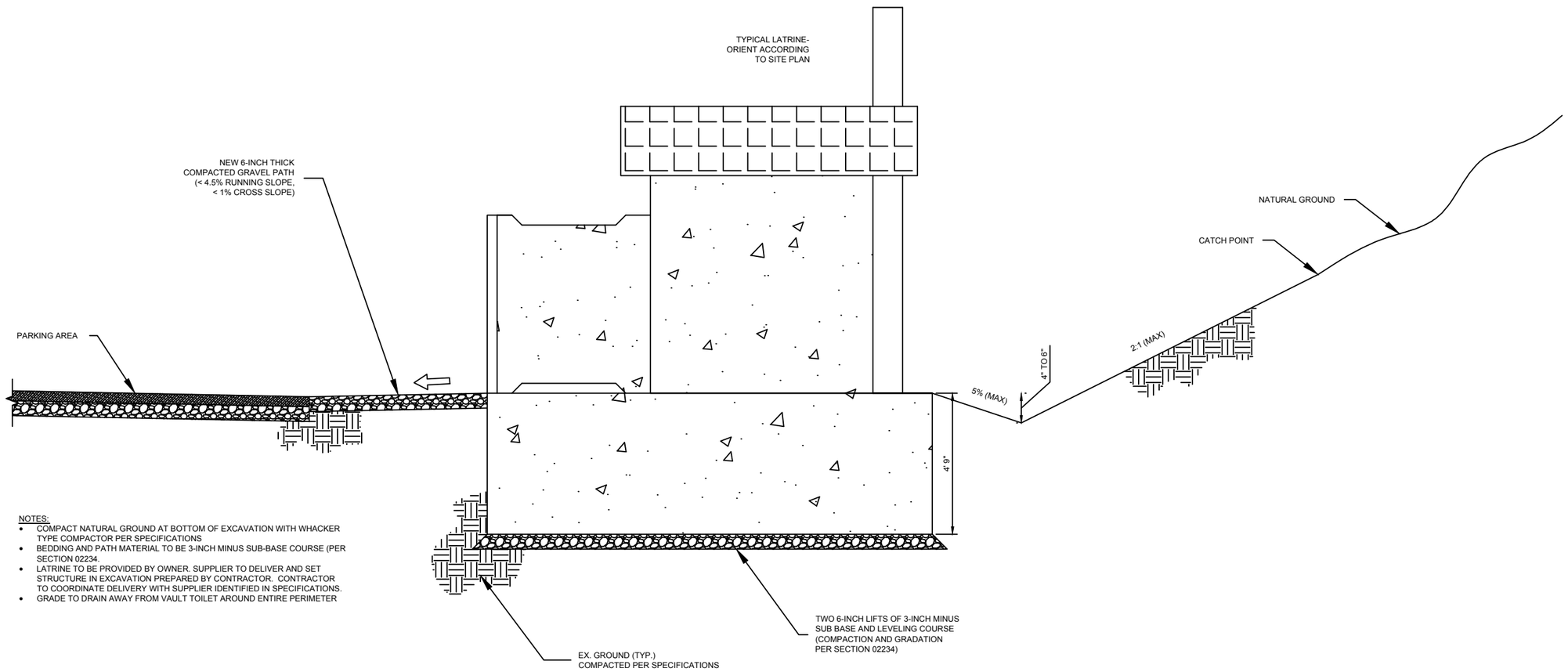

NOTES:

- COMPACT NATURAL GROUND AT BOTTOM OF EXCAVATION WITH WHACKER TYPE COMPACTOR PER SPECIFICATIONS
- BEDDING AND PATH MATERIAL TO BE 3-INCH MINUS SUB-BASE COURSE (PER SECTION 02234.
- LATRINE TO BE PROVIDED BY OWNER. SUPPLIER TO DELIVER AND SET STRUCTURE IN EXCAVATION PREPARED BY CONTRACTOR. CONTRACTOR TO COORDINATE DELIVERY WITH SUPPLIER IDENTIFIED IN SPECIFICATIONS.
- GRADE TO DRAIN AWAY FROM VAULT TOILET AROUND ENTIRE PERIMETER

1 LATRINE DETAIL
SCALE: NTS

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NATURAL RESOURCE DAMAGE PROGRAM

MONTANA LICENSED PROFESSIONAL ENGINEER
LARRY D. CAWLFIELD
No. 7402 PE

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Client: MONTANA DEPARTMENT OJ JUSTCE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE
AND HABITAT IMPROVEMENTS

LATRINE
DETAILS

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
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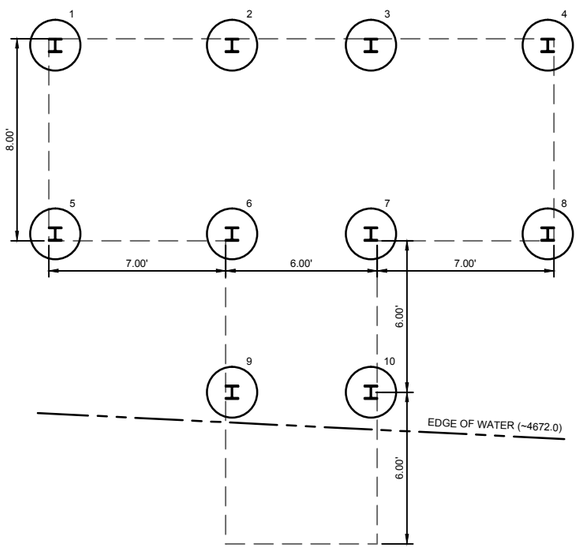
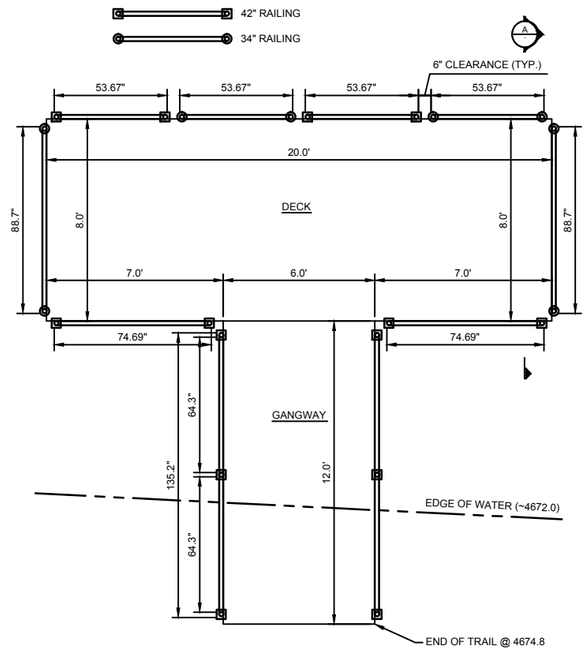


1 PIER SPACING AND NUMBERING PLAN
NTS



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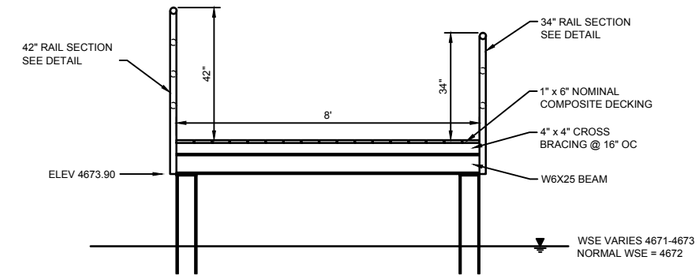

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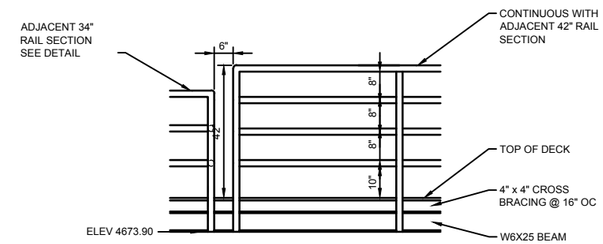
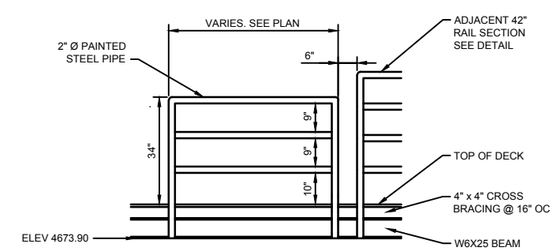


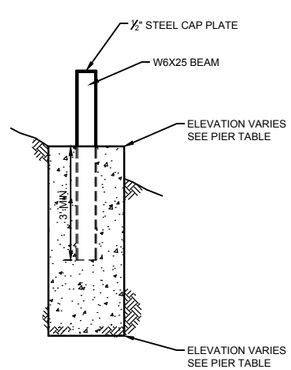
4 42" RAIL SECTION
NTS



5 34" RAIL SECTION
NTS

PIER TABLE

PIER NO.	TOP OF CONCRETE ELEV.	BOTTOM OF CONCRETE ELEV.
1	4665.41	4660.41
2	4665.42	4660.42
3	4665.34	4660.34
4	4665.28	4660.28
5	4668.90	4663.90
6	4669.16	4664.16
7	4669.08	4664.08
8	4668.80	4664.11
9	4671.94	4664.97
10	4671.87	4664.42



2 PIER DETAIL
NTS

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MONTANA LICENSED PROFESSIONAL ENGINEER
LARRY D. CAWLFIELD
No. 7402 PE

MARK	DATE	DESCRIPTION	BY
0	11/9/17	ISSUED FOR BID	SEF

Client: MONTANA DEPARTMENT OJ JUSTCE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

FISHING PLATFORM DETAILS

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
Checked By:	BJB

D4

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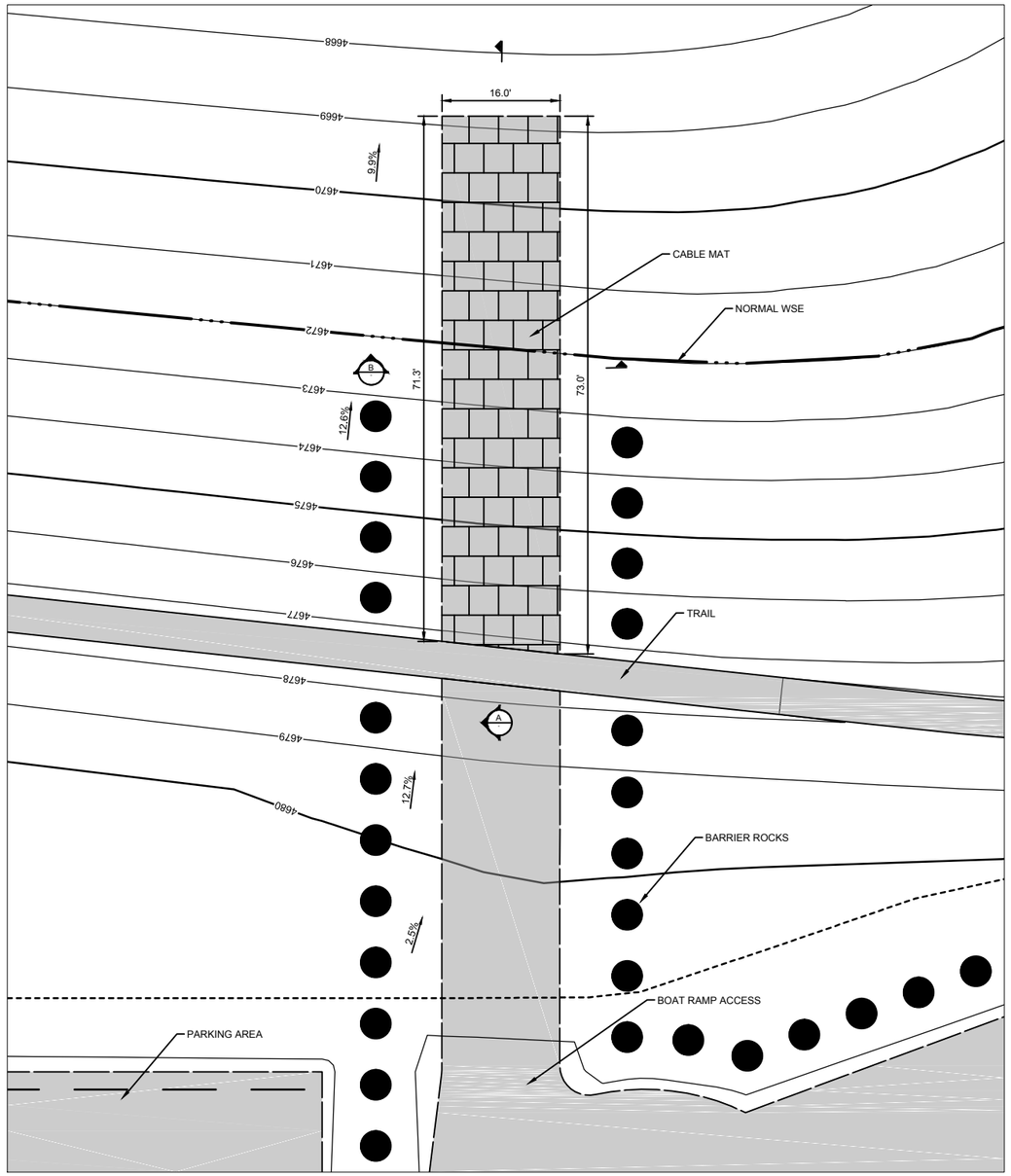
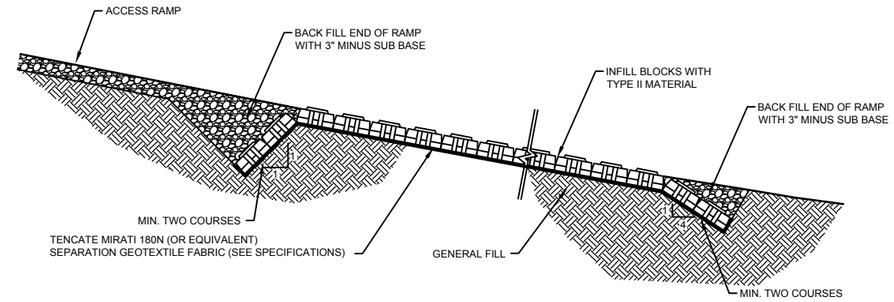


1 CABLE MAT PLAN
SCALE: 1" = 10'



A CABLE MAT RAMP SECTION
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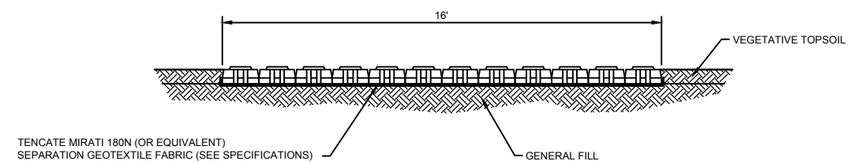

B CABLE MAT RAMP SECTION
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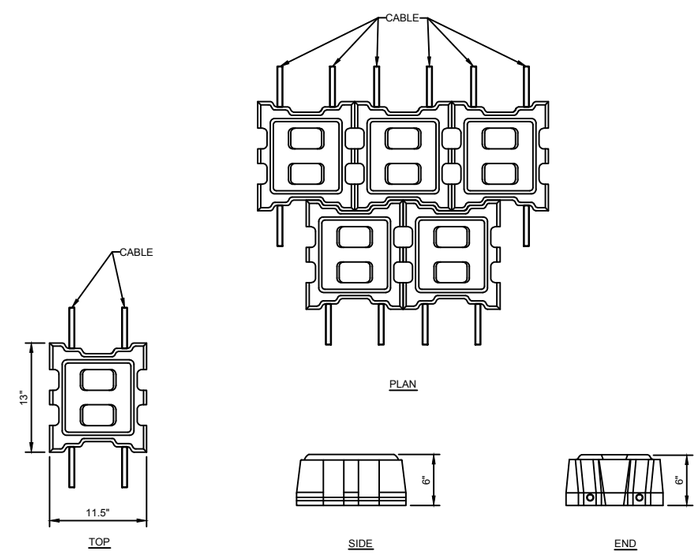

2 TYP. 50S BLOCK
SCALE: NTS

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LARRY D. CAWLFIELD No. 7402 PE
MONTANA LICENSED PROFESSIONAL ENGINEER

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0	11/9/17	ISSUED FOR BID	SEF

Client: MONTANA DEPARTMENT OJ JUSTCE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE
AND HABITAT IMPROVEMENTS

BOAT RAMP
DETAILS

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
Checked By:	BJB

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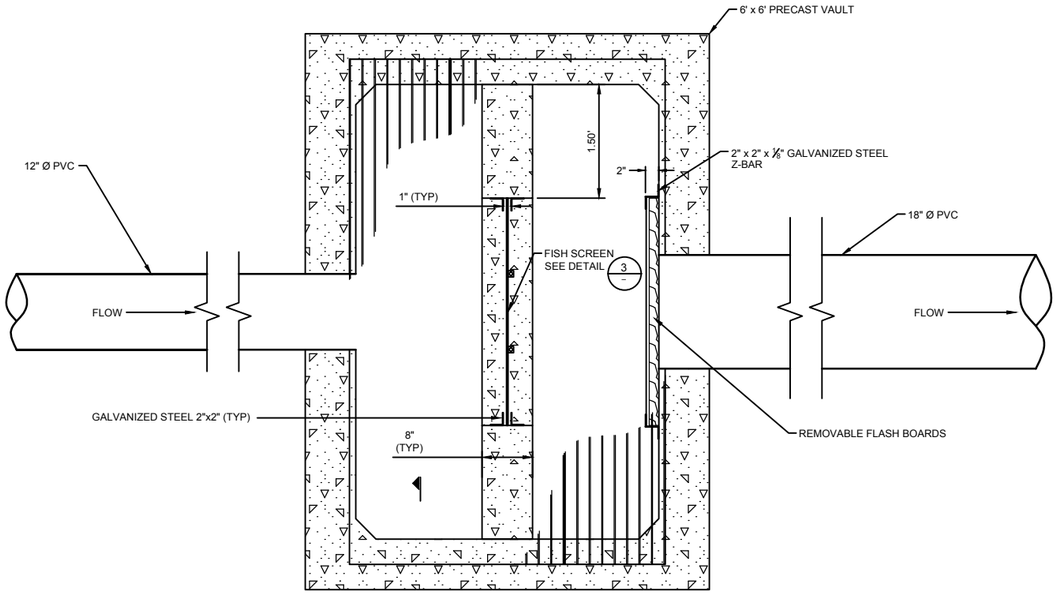
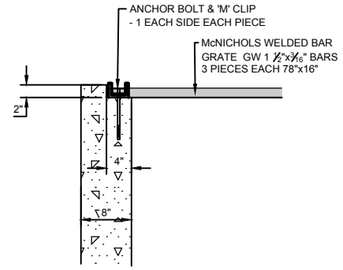
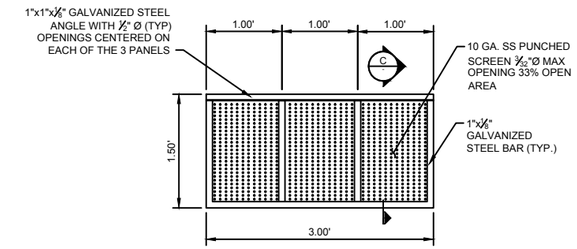


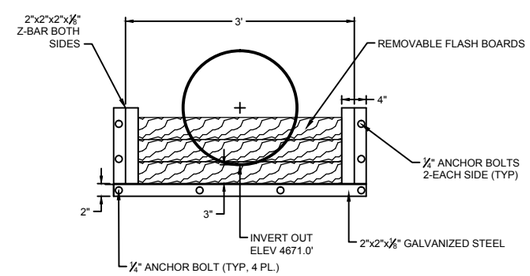
1 OUTLET DETAIL - PLAN VIEW
SCALE: NTS



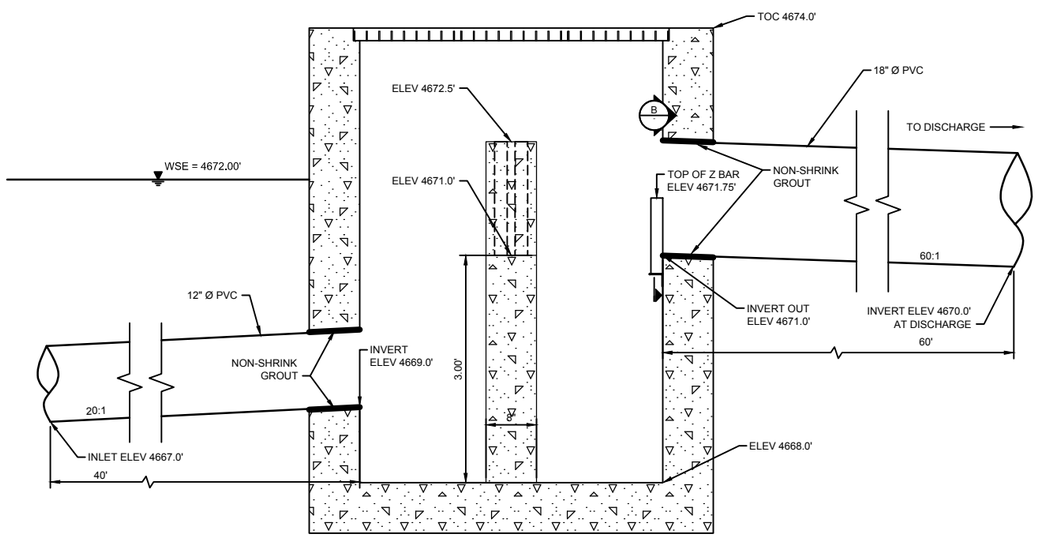
A SECTION A - GRATE ANCHOR
SCALE: NTS



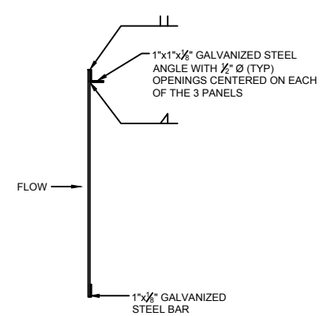
3 FISH SCREEN DETAIL
SCALE: NTS



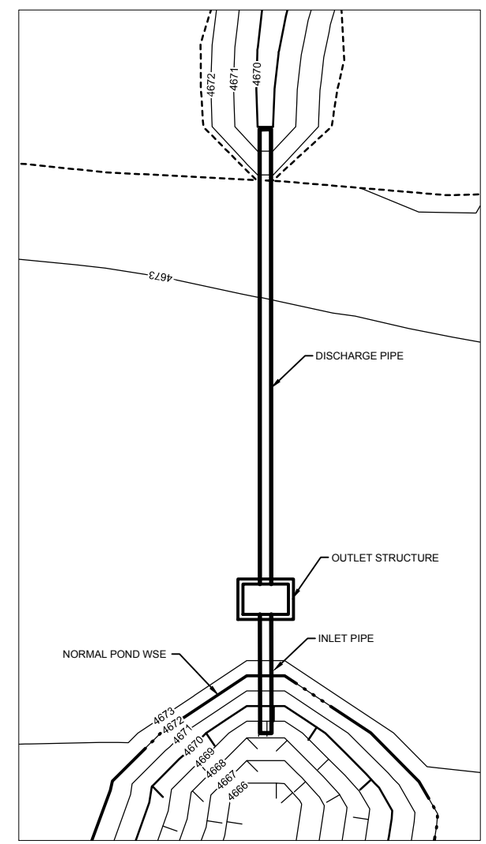
B SECTION B - OUTFALL PIPE
SCALE: NTS



2 OUTLET DETAIL - SECTION VIEW
SCALE: NTS



C SECTION C - FISH SCREEN
SCALE: NTS



4 OUTLET INSTALLATION-PLAN VIEW
SCALE: 1" = 10'

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MONTANA LICENSED PROFESSIONAL ENGINEER
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No. 7402 PE

MARK	DATE	DESCRIPTION	BY
0	11/9/17	ISSUED FOR BID	SEF

Client: MONTANA DEPARTMENT OJ JUSTCE
Proj. Loc.: DEER LODGE, MONTANA
RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS
OUTLET STRUCTURE DETAILS

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
Checked By:	BJB

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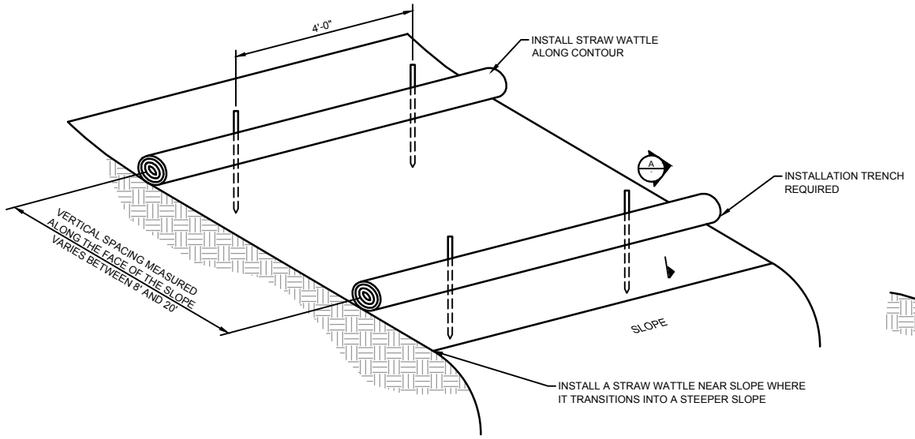
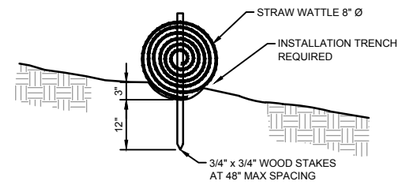


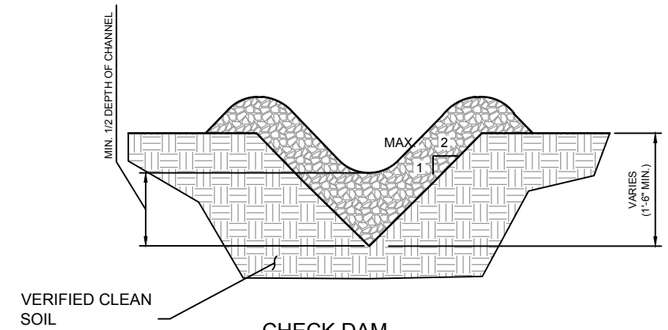
1 – STRAW WATTLES
NTS



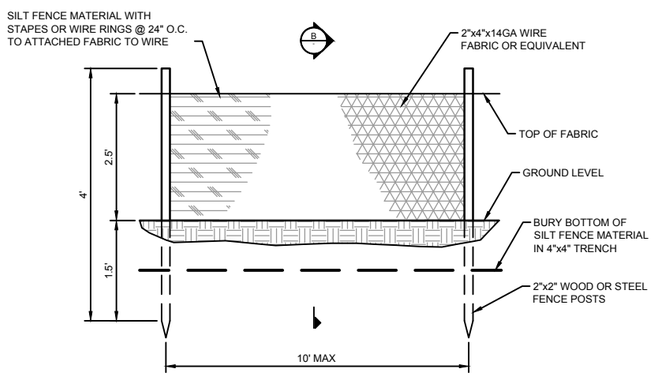
A – STRAW WATTLE
SCALE: NTS

NOTE:

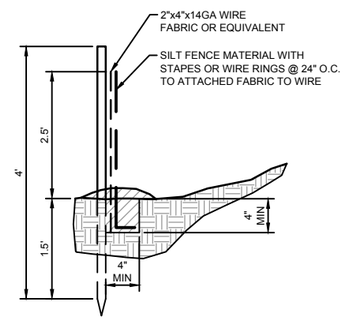
1. SEE SUBSECTION 9F OF THE SPECIAL PROVISIONS FOR INSTALLATION, MAINTENANCE AND REMOVAL OF EROSION CONTROL.



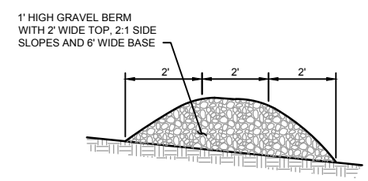
4 – CHECK DAM EROSION CONTROL DITCH
NTS



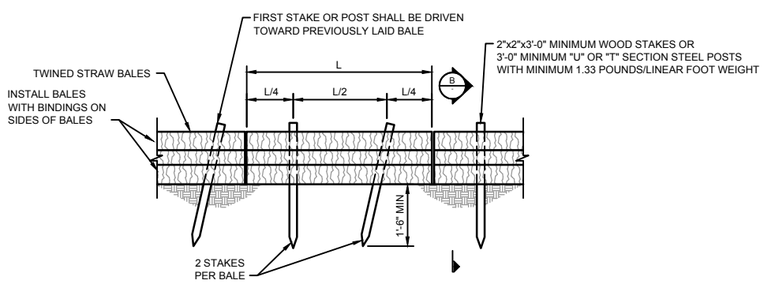
2 – SILT FENCE
NTS



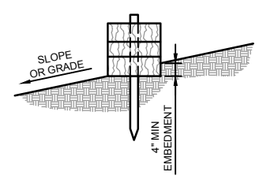
B – SILT FENCE
SCALE: NTS



5 – ROCK BERM
NTS



3 – STRAW BALE
NTS



C – STRAW BALE
SCALE: NTS

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Client: MONTANA DEPARTMENT OJ JUSTICE
Proj. Loc.: DEER LODGE, MONTANA

RACETRACK POND FISHING ACCESS SITE AND HABITAT IMPROVEMENTS

EROSION CONTROL DETAILS

Project No.:	114-560588
Designed By:	MLH
Drawn By:	SEF
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