

GRE MAY 2014

PROJECT ID: 1517-07-82
WITH: N/A

COUNTY: WINNEBAGO

ORDER OF SHEETS

- Section No. 1 Title
- Section No. 2 Typical Sections and Details
- Section No. 3 Estimate of Quantities
- Section No. 3 Miscellaneous Quantities
- ~~Section No. 4 Right of Way Plot~~
- ~~Section No. 5 Plan and Profile~~
- Section No. 6 Standard Detail Drawings
- ~~Section No. 7 Sign Plates~~
- ~~Section No. 8 Structure Plans~~
- ~~Section No. 9 Computer Earthwork Data~~
- ~~Section No. 9 Cross Sections~~

TOTAL SHEETS = 38



DESIGN DESIGNATION

- A.A.D.T. = N/A
- A.A.D.T. = N/A
- D.H.V. = N/A
- D.D. = N/A
- T. = N/A
- DESIGN SPEED = N/A
- ESALS = N/A

CONVENTIONAL SYMBOLS

- PLAN**
- CORPORATE LIMITS
 - PROPERTY LINE
 - LOT LINE
 - LIMITED HIGHWAY EASEMENT
 - EXISTING RIGHT OF WAY
 - PROPOSED OR NEW R/W LINE
 - SLOPE INTERCEPT
 - REFERENCE LINE
 - EXISTING CULVERT
 - PROPOSED CULVERT (Box or Pipe)
 - COMBUSTIBLE FLUIDS
 - MARSH AREA
 - WOODED OR SHRUB AREA

- PROFILE**
- GRADE LINE
 - ORIGINAL GROUND
 - MARSH OR ROCK PROFILE (To be noted as such)
 - SPECIAL DITCH
 - GRADE ELEVATION
 - CULVERT (Profile View)
 - UTILITIES
 - COMMUNICATION OVERHEAD
 - COMMUNICATION UNDERGROUND
 - ELECTRIC OVERHEAD
 - ELECTRIC UNDERGROUND
 - GAS
 - SANITARY SEWER
 - STORM SEWER
 - WATER
 - UTILITY PEDESTAL
 - POWER POLE
 - TELEPHONE POLE

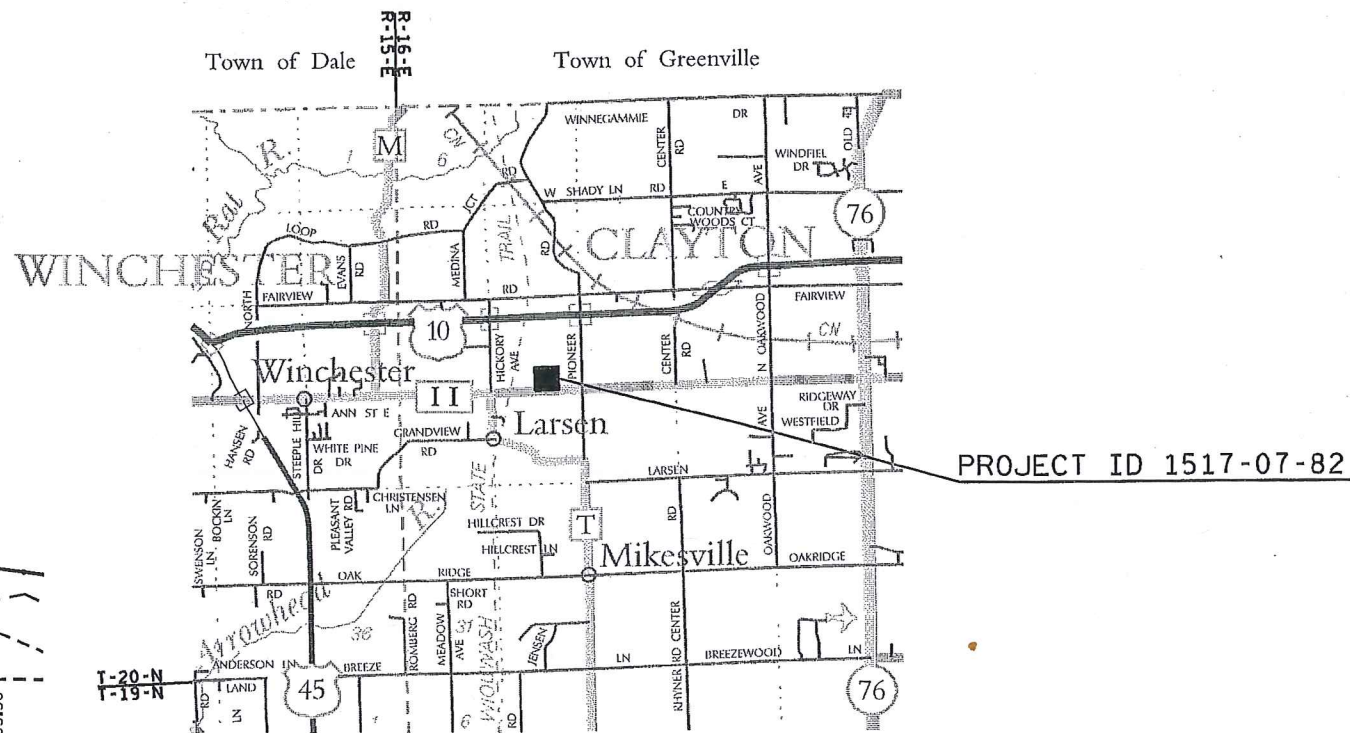
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

USH 10 - USH 10/STH 441

COUNTY CB - ONEIDA STREET
NON HIGHWAY
WINNEBAGO
RUBBERT WETLAND MITIGATION SITE PHASE 3

STATE PROJECT NUMBER
1517-07-82



LAYOUT
SCALE 0 1 ML.

TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.

"COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCA), WINNEBAGO COUNTY, NAD 83 (1991)
"ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929, NGVD 29."

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1517-07-82	WISC 2014195	1

ORIGINAL PLANS PREPARED BY

ENGINEERING, INC.
Transportation Engineering Services

WISCONSIN PROFESSIONAL ENGINEER

ANDREW W. BLOCK
E-41224-6
APPLETON WI.

1/31/2014 (Date)
Andrew W. Block (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NE REGION
Designer	JT ENGINEERING, INC.
Project Manager	SCOTT EBEL
Regional Examiner	
Regional Supervisor	CHAD DEGRAVE
C.D. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 1/31/14 (Signature)

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT THE UTILITES AND DIGGERS HOTLINE TO LOCATE AND FIELD VERIFY UTILITIES PRIOR TO THE START OF WORK. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILTY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. ANY LOCAL, MUNICIPAL, OR OTHER UTILITY THAT IS NOT A MEMBER OF DIGGERS HOTLINE SHALL BE CONTACTED SEPARATELY.

EXISTING SURFACE ELEVATIONS USED TO CALCULATE PROPOSED EARTHWORK QUANTITIES ARE BASED UPON PREVIOUS CONSTRUCTION DTM'S. FIELD CHANGES TO THESE PROPOSED DTM'S WILL NOT BE REFLECTED IN THE EXISTING DTM FOR THIS CONTRACT.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTOR'S EXPENSE.

PLACE SALVAGED TOPSOIL IN ALL GRADED AREAS AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED. SEED AND PLACE EROSION MAT, IF REQUIRED BY THE ENGINEER OR SHOWN IN THE EROSION CONTROL PLANS, OVER ALL AREAS 5 DAYS AFTER PLACEMENT OF SALVAGED TOPSOIL.

EROSION BALES ARE TO ONLY BE USED FOR REINFORCEMENT OF PROPOSED SILT FENCE LOCATIONS ALONG WETLANDS. ANY OTHER USE OF EROSION BALES IS PROHIBITED.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OF ANY WATERWAY.

FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.

THE EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.

EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER.

THE INTENT OF THE RUBBERT MITIGATION SITE PHASE 3 IS TO MAINTAIN A BALANCED CUT/FILL RELATIONSHIP. IF SITE CONDITIONS DO NOT ALLOW FOR THIS, AND THE ENGINEER APPROVES, THE ELEVATION OF THE BERMS CONSTRUCTED AS PART OF THIS PROJECT MAY BE ADJUSTED IN ORDER TO BALANCE THE CUT AND FILL QUANTITIES. THE ELEVATION OF THE BERMS CONSTRUCTED ALONG THE EASTERN PORTION OF THE SITE SHALL NOT BE INCREASED TO THE EXTENT THAT THEY RESTRICT NATURAL FLOW PATTERNS IN THE SITE.

THE FACTOR USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 1.20.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

STATIONING, DISTANCES, AND OFFSETS FOR SIGNS SHOWN IN THE PLANS ARE APPROXIMATE AND THE FINAL LOCATION OF SIGNS ARE TO BE DETERMINED BY THE ENGINEER.

BENCHMARK LOCATIONS SHOWN ON PLAN ARE APPROXIMATE AND SHOULD BE VERIFIED.

EXCAVATION REQUIRED FOR THE FIXED WEIR STRUCTURE IS NOT INCLUDED IN THE COMPUTER EARTHWORK AND IS INCIDENTAL TO THE WEIR STRUCTURE.

IN THE EVENT DRAIN TILE IS DISCOVERED DURING EXPLORATION OPERATIONS THE CONTRACTOR SHALL CRUSH OR OTHERWISE DISABLE THE DRAINTILE WITHIN THE LIMITS OF THE EXPLORATION TRENCH TO RENDER IT INOPERABLE AS APPROVED BY THE ENGINEER. THIS WORK SHALL BE INCIDENTAL TO THE BID ITEM DRAIN TILE EXPLORATION.



Dial **811** or (800) 242-8511
www.DiggersHotline.com

UTILITY CONTACTS

TIME WARNER CABLE

MR. VINCE ALBIN
3520 DESTINATION DR
APPLETON, WI 54915
(920) 831-9249
MOBILE: (920) 378-0444
VINCE.ALBIN@TWCABLE.COM

CENTURYLINK

MR. ROSS HARTWIG
144 N. PEARL ST
BERLIN, WI 54923
(920) 361-8425
MOBILE: (920) 896-2867
ROSS.HARTWIG@CENTURYLINK.COM

DNR AREA LIASON

JAY SCHIEFELBEIN
DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVENUE
GREEN BAY, WI 54313
(920) 360-3784

US ARMY CORP OF ENGINEERS

ANN NYE
OLD FORT SQUARE
211 N. BROADWAY, STE 221
GREEN BAY, WI 54303
(920) 448-2824
ANN.M.NYE@USACE.ARMY.MIL

**WINNEBAGO COUNTY
HIGHWAY COMMISSIONER**

ERNIE WINTERS
901 WEST COUNTY ROAD Y
P.O. BOX 2764
OSHKOSH, WI 54903
(920) 232-1700

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- CONSTRUCTION DETAILS
- EXISTING CONDITIONS MAP
- GRADING PLAN
- EROSION CONTROL PLAN
- PLANTING PLAN
- ALIGNMENT PLAN

COUNTY SURVEYOR

JERRY BOUGIE
WINNEBAGO COUNTY COURT HOUSE
445 ALGOMA BLVD
OSHKOSH, WI 54903
(920) 236-4839

ALIGNMENT IDENTIFIERS	
S	MAIN CHANNEL
C	EAST CHANNEL
BA	BERM A (NORTHWEST)
BB	BERM B (NORTH-CENTRAL)
BC	BERM C (NORTHEAST)
BD	BERM D (SOUTH)
PA	POND A (NORTHWEST)
PB	POND B (NORTHEAST)
PC	POND C (WEST-CENTRAL)
PD	POND D (EAST-CENTRAL)
PE	POND E (SOUTHWEST)
PF	POND F (SOUTHEAST)
WP	WEST PLANAR GRADING
EP	EAST PLANAR GRADING

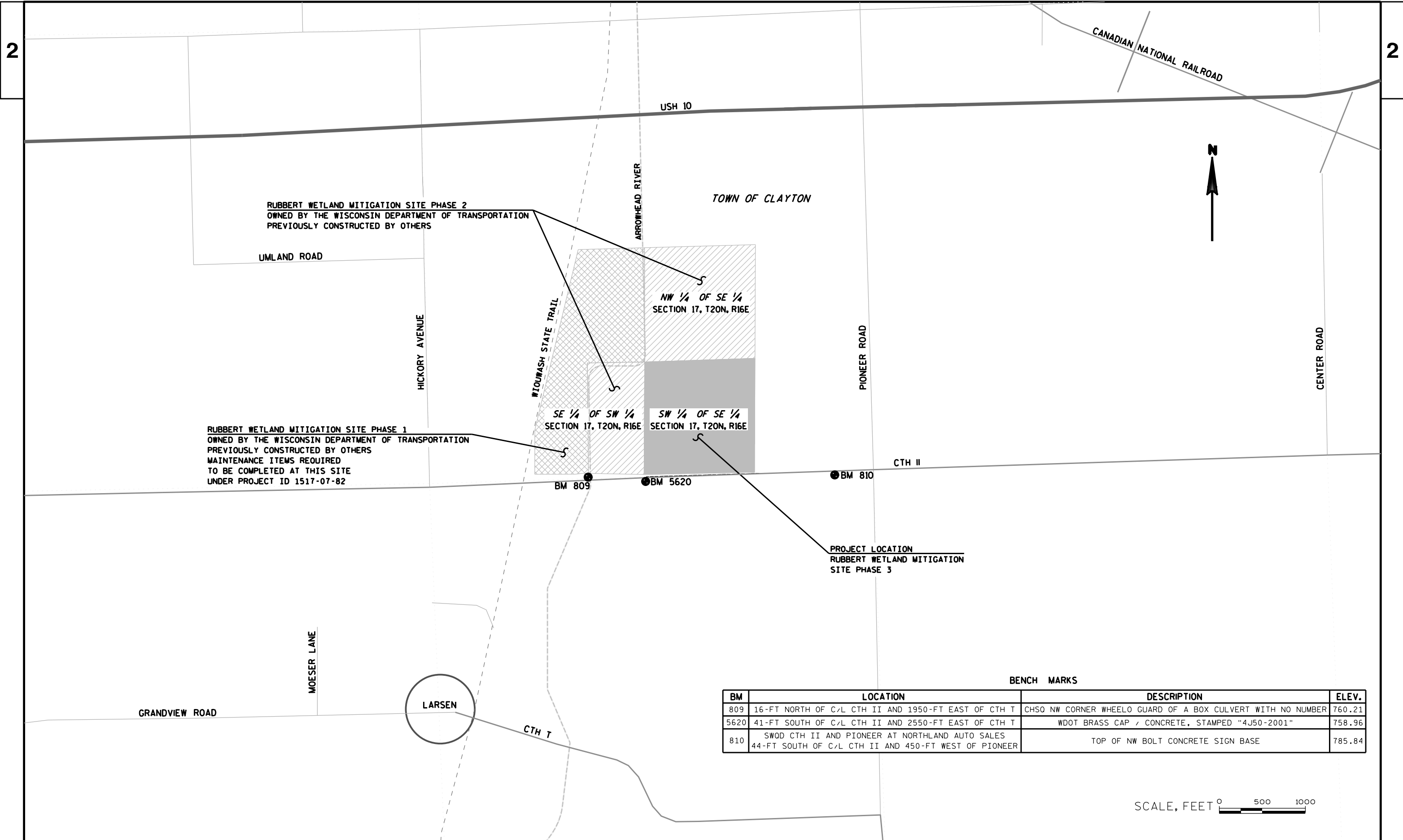
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	0.08	0.16	0.22	0.12	0.20	0.27	0.15	0.24	0.33	0.19	0.28	0.38
	0.22	0.30	0.38	0.26	0.34	0.44	0.30	0.37	0.50	0.34	0.41	0.56
MEDIAN STRIP-TURF	0.19	0.20	0.24	0.19	0.22	0.26	0.20	0.23	0.30	0.20	0.25	0.30
	0.24	0.26	0.30	0.25	0.28	0.33	0.26	0.30	0.37	0.27	0.32	0.40
SIDE SLOPE-TURF			0.25			0.27			0.28			0.30
			0.32			0.34			0.36			0.38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

1517-07-82

TOTAL PROJECT AREA = 39.45

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 39.05



RUBBERT WETLAND MITIGATION SITE PHASE 2
OWNED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION
PREVIOUSLY CONSTRUCTED BY OTHERS

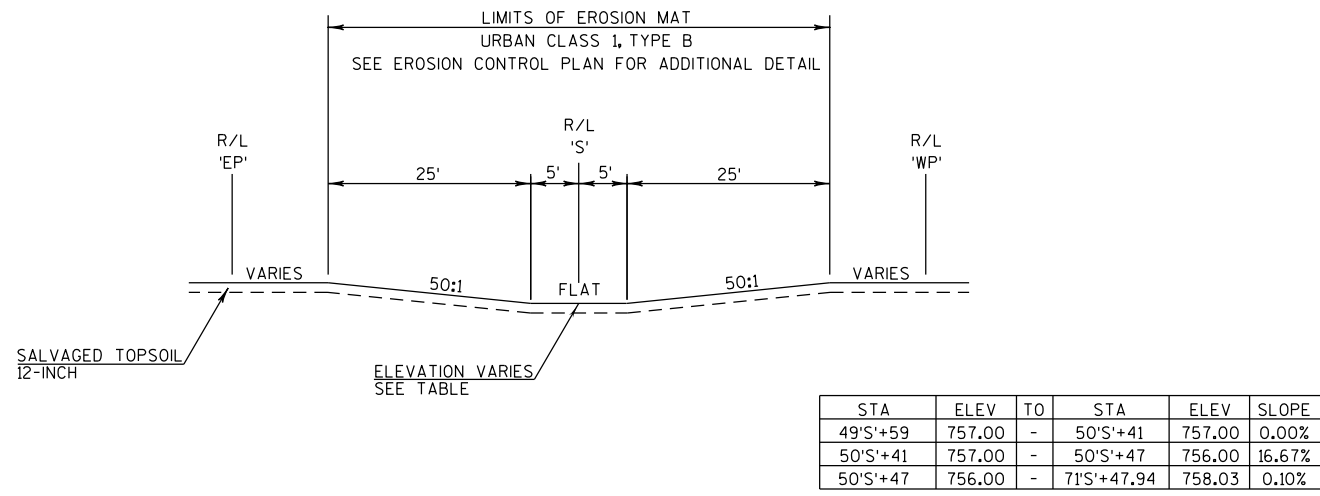
RUBBERT WETLAND MITIGATION SITE PHASE 1
OWNED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION
PREVIOUSLY CONSTRUCTED BY OTHERS
MAINTENANCE ITEMS REQUIRED
TO BE COMPLETED AT THIS SITE
UNDER PROJECT ID 1517-07-82

PROJECT LOCATION
RUBBERT WETLAND MITIGATION
SITE PHASE 3

BENCH MARKS

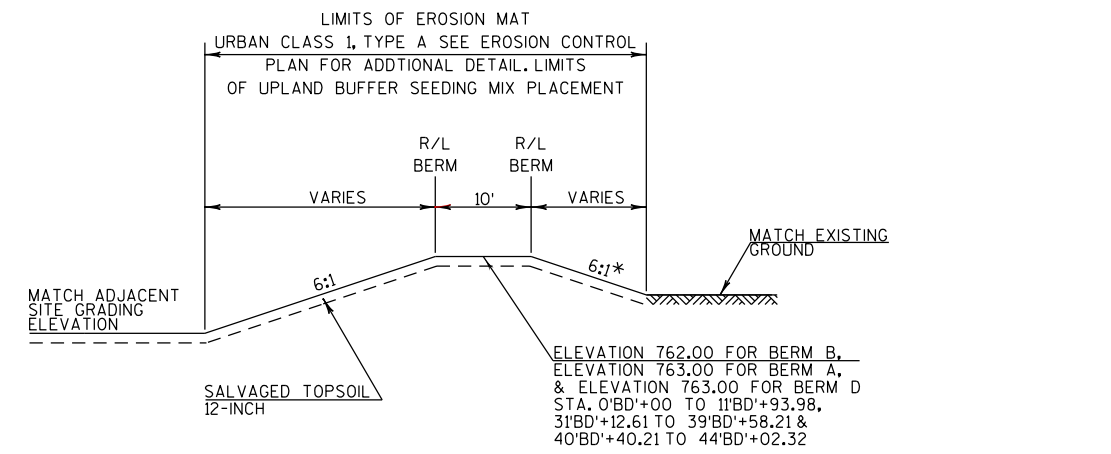
BM	LOCATION	DESCRIPTION	ELEV.
809	16-FT NORTH OF C/L CTH II AND 1950-FT EAST OF CTH T	CHSO NW CORNER WHEELO GUARD OF A BOX CULVERT WITH NO NUMBER	760.21
5620	41-FT SOUTH OF C/L CTH II AND 2550-FT EAST OF CTH T	WDOT BRASS CAP / CONCRETE, STAMPED "4J50-2001"	758.96
810	SWOD CTH II AND PIONEER AT NORTHLAND AUTO SALES 44-FT SOUTH OF C/L CTH II AND 450-FT WEST OF PIONEER	TOP OF NW BOLT CONCRETE SIGN BASE	785.84

SCALE, FEET 0 500 1000



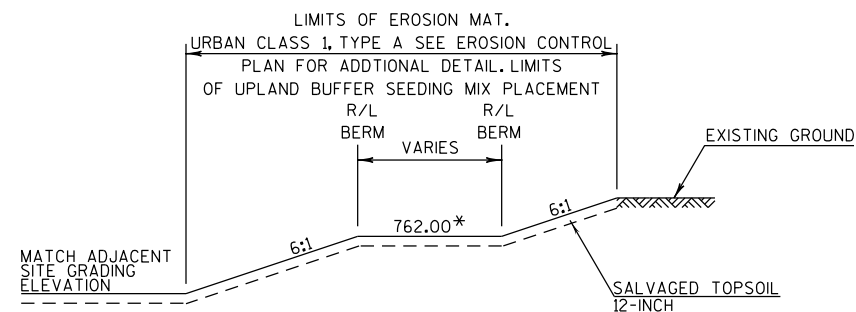
PHASE 3 - SECTION A-A'

PROPOSED MAIN CHANNEL TYPICAL SECTION



PHASE 3 - SECTION B-B'

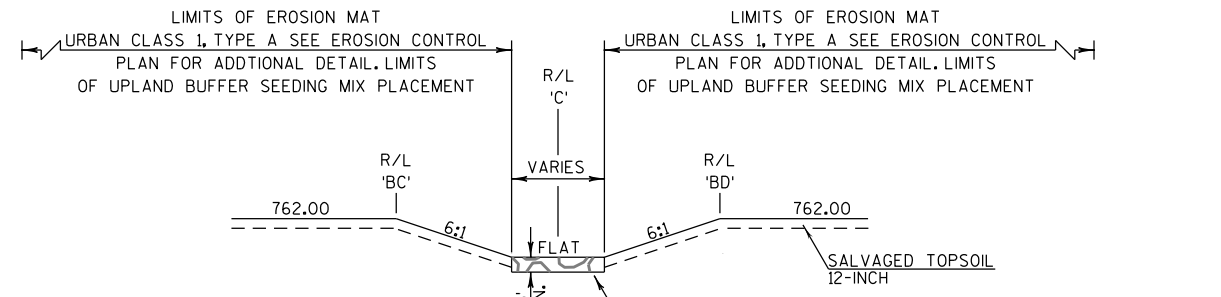
PROPOSED TYPICAL SECTION FOR BERMS A, B, AND WESTERN PORTION OF BERM D



PHASE 3 - SECTION C-C'

PROPOSED TYPICAL SECTION FOR BERMS C AND THE EASTERN PORTION OF BERM D.
NOTE: APPROXIMATELY THE NORTH 1/2 OF BERM C REQUIRES A FILL SECTION TO MATCH EXISTING GROUND

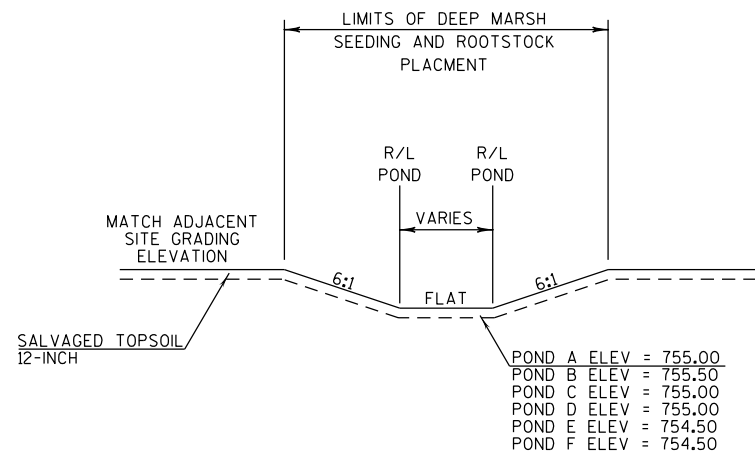
*ELEVATION 763.00 FOR:
6'BC'+50 TO 8'BC'+75
11'BD'+93.98 TO 14'BD'+50,
27'BD'+50 TO 31'BD'+12.61



PHASE 3 - SECTION D-D'

EAST CHANNEL 'C' ALIGNMENT

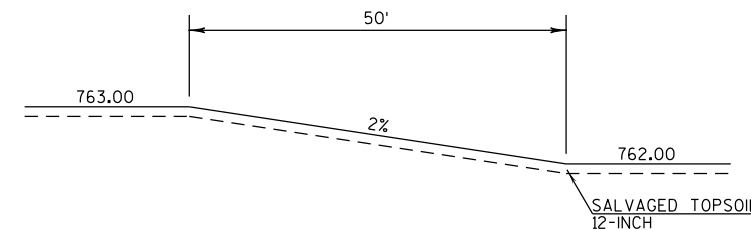
RIPRAP MEDIUM - FOLLOWING PLACEMENT OF RIPRAP MEDIUM ALL VOIDS SHALL BE FILLED WITH SALVAGED TOPSOIL. PAYMENT AT THIS LOCATION WILL INCLUDE QUANTITIES FOR BOTH RIPRAP MEDIUM AND SALVAGED TOPSOIL 12-INCH



PHASE 3 - SECTION E-E'

PROPOSED PONDS A, B, C, D, E, & F TYPICAL SECTION
NOTE: R/L FOLLOWS THE BOTTOM EDGE OF THE PROPOSED PONDS

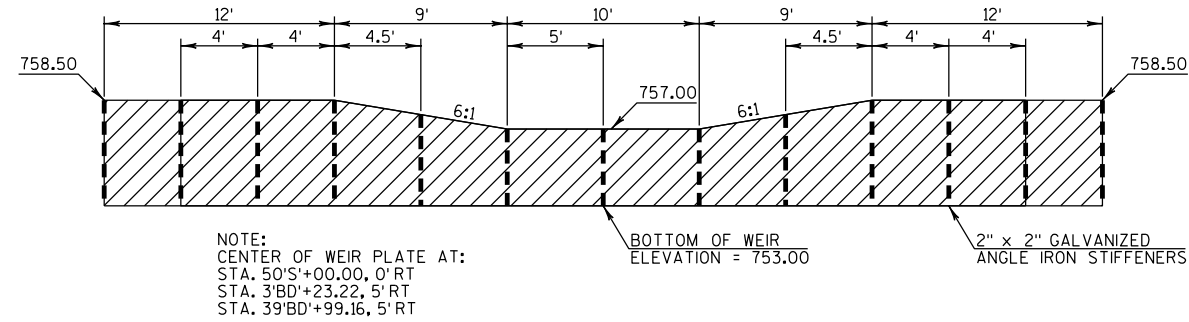
POND A ELEV = 755.00
POND B ELEV = 755.50
POND C ELEV = 755.00
POND D ELEV = 755.00
POND E ELEV = 754.50
POND F ELEV = 754.50



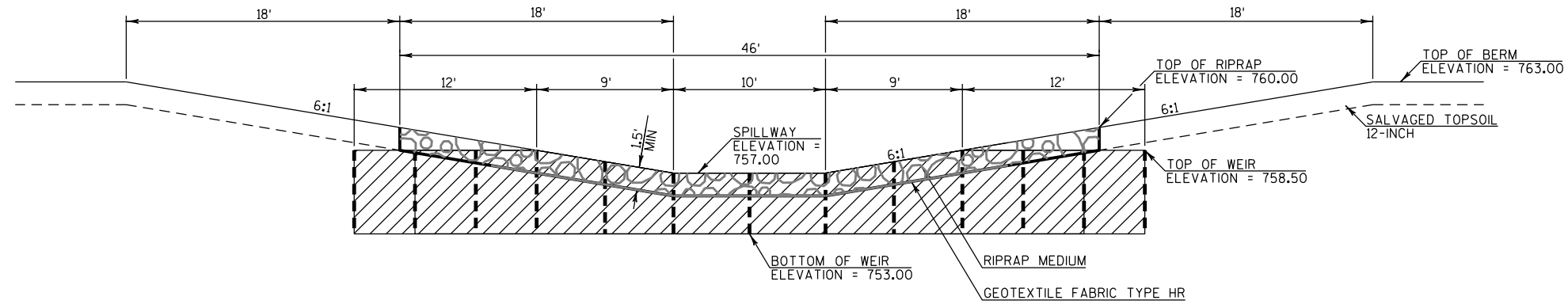
PHASE 3 - SECTION F-F'

TRANSITION FROM ELEVATION 763.00 TO 762.00
ALONG BERMS C AND D

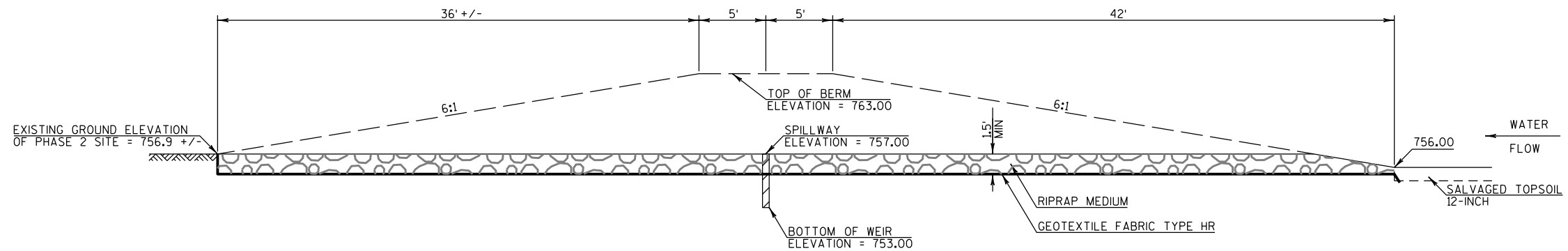
THE CONTRACTOR SHALL CONTACT THE NE REGION ENVIRONMENTAL SECTION, (920) 492-7738, AND THE PROJECT CONSTRUCTION LEADER A MINIMUM OF TWO WEEKS PRIOR TO WEIR INSTALLATION AT THE RUBBERT WETLAND MITIGATION SITE PHASE 3 TO ALLOW FOR DIRECTION ON FINAL WEIR LOCATION AND INSTALLATION GUIDELINES.



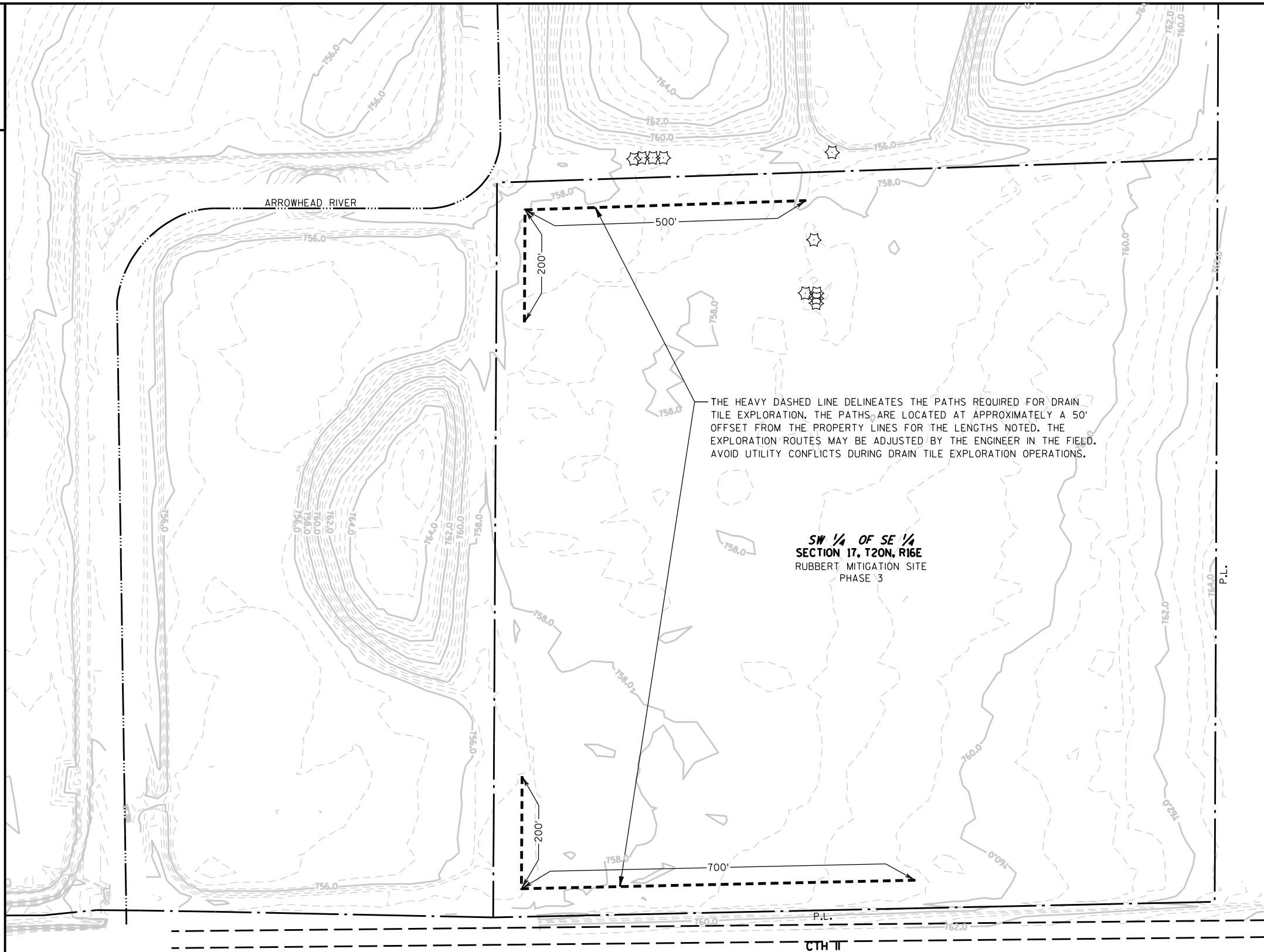
PHASE 3 - WEIR PLATE



PHASE 3 - CROSS SECTIONAL VIEW THROUGH CENTER OF WEIR PARALLEL TO WEIR AND BERM



PHASE 3 - CROSS SECTIONAL VIEW THROUGH CENTER OF WEIR PERPENDICULAR TO WEIR AND BERM



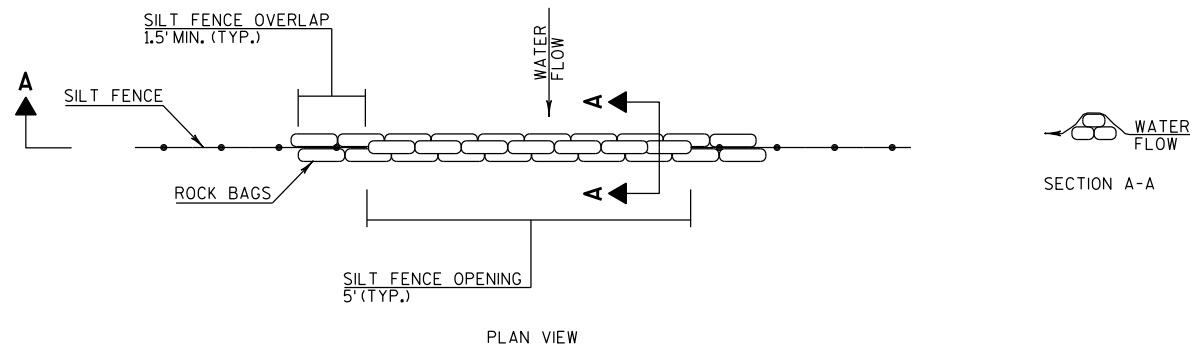
THE HEAVY DASHED LINE DELINEATES THE PATHS REQUIRED FOR DRAIN TILE EXPLORATION. THE PATHS ARE LOCATED AT APPROXIMATELY A 50' OFFSET FROM THE PROPERTY LINES FOR THE LENGTHS NOTED. THE EXPLORATION ROUTES MAY BE ADJUSTED BY THE ENGINEER IN THE FIELD. AVOID UTILITY CONFLICTS DURING DRAIN TILE EXPLORATION OPERATIONS.

SW 1/4 OF SE 1/4
SECTION 17, T20N, R16E
RUBBERT MITIGATION SITE
PHASE 3

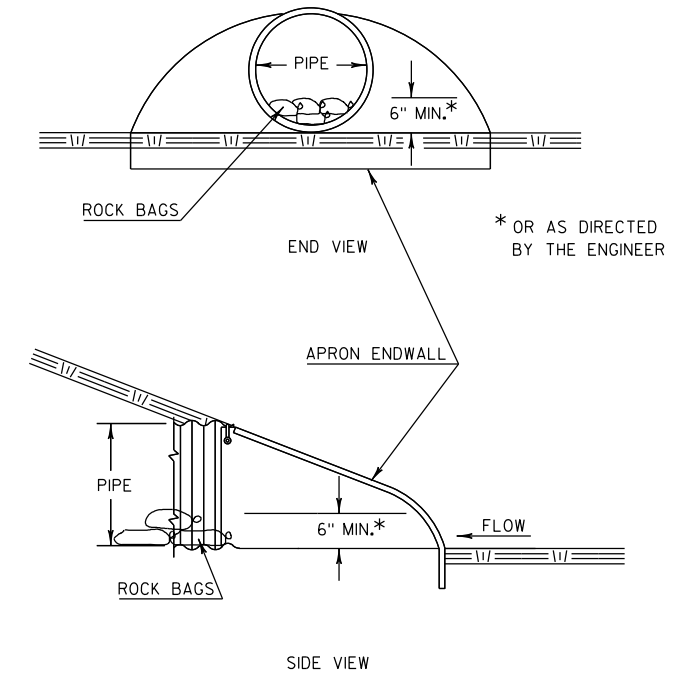


PHASE 3 - DRAIN TILE EXPLORATION DETAIL

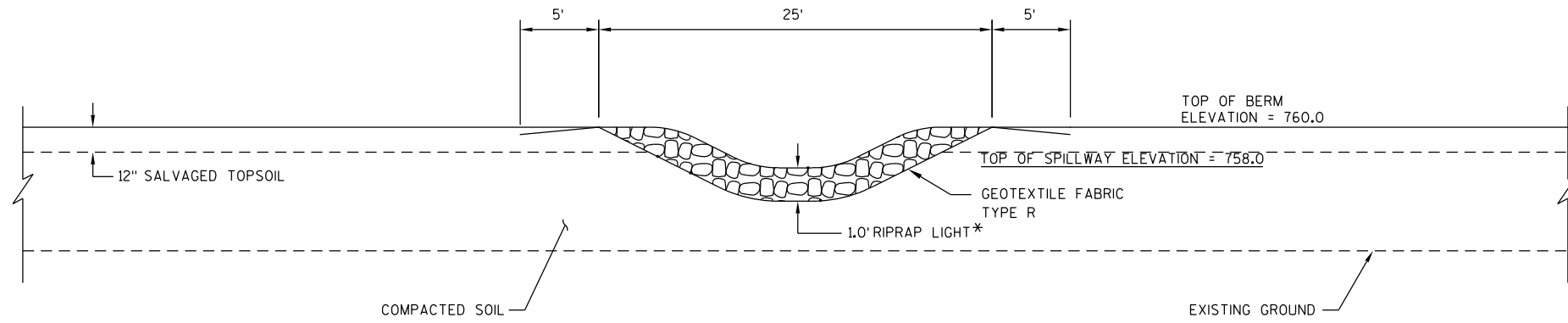
SCALE, FEET 0 100 200



SILT FENCE RELIEF WITH ROCK BAGS



CULVERT PIPE CHECK

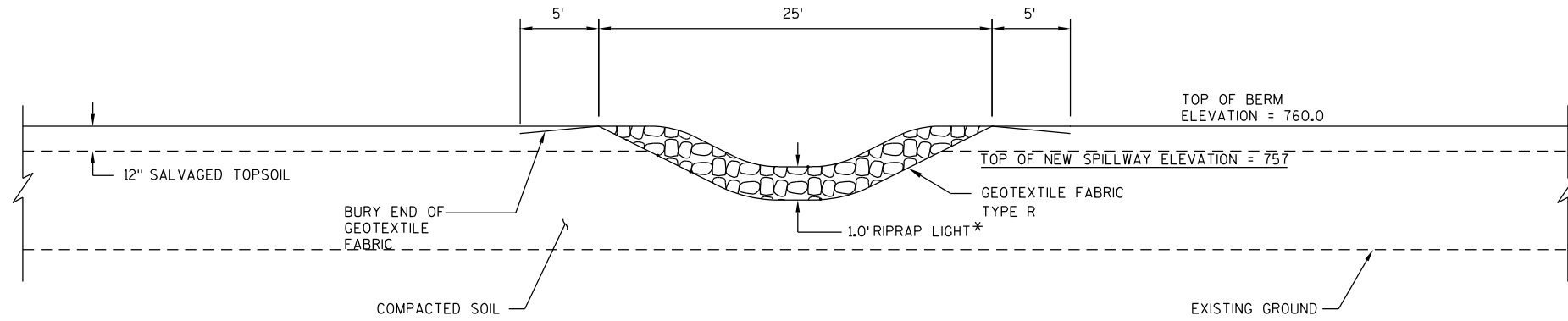


PHASE 1 - EXISTING SPILLWAY
N.T.S.

*THE CONTRACTOR MAY SUPPLY AND INSTALL NEW RIPRAP LIGHT OR, WITH THE APPROVAL OF THE ENGINEER, SALVAGE AND REUSE THE EXISTING RIPRAP LIGHT AT THE PHASE 1 SPILLWAYS DESIGNATED FOR REPAIR. PAYMENT FOR EITHER OPTION WILL BE UNDER BID ITEM 606.0100.

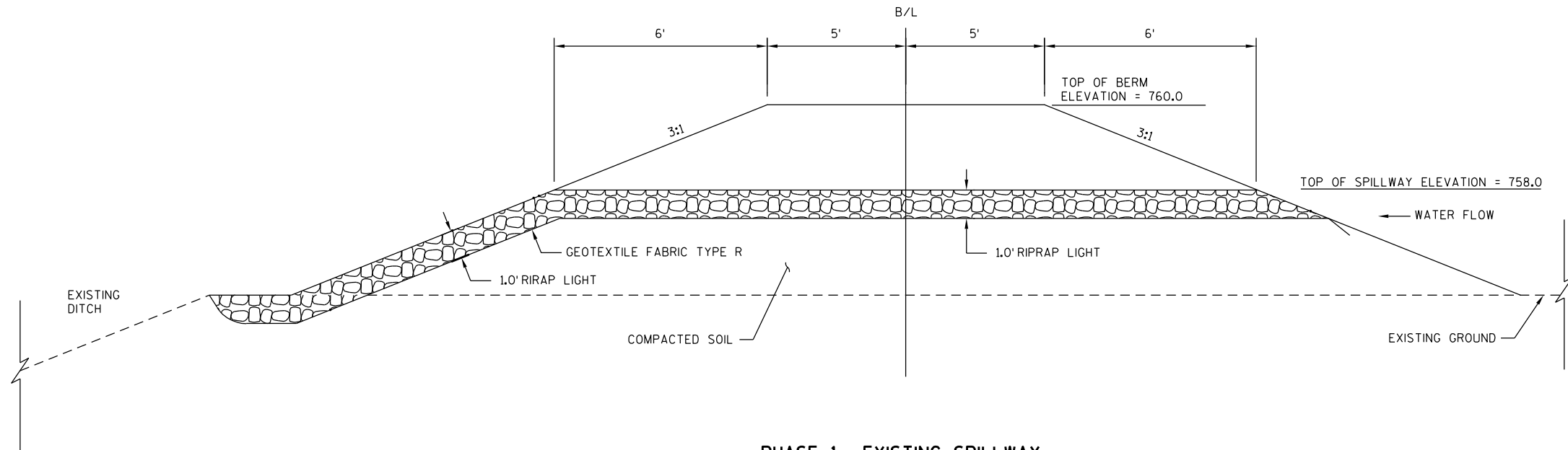
FOLLOWING PLACEMENT OF RIPRAP LIGHT AT THE PHASE 1 SITE ALL VOIDS SHALL BE FILLED WITH SALVAGED TOPSOIL. PAYMENT AT LOCATIONS WILL INCLUDE QUANTITIES FOR BOTH RIPRAP LIGHT AND SALVAGED TOPSOIL.

NOTE: INSTALL GEOTEXTILE FABRIC TYPE R OVER BACKFILL MATERIAL PRIOR PLACING RIPRAP LIGHT.



PHASE 1 - RECONSTRUCTION SPILLWAY
N.T.S.

PHASE 1 - SPILLWAY - SECTION Y-Y'



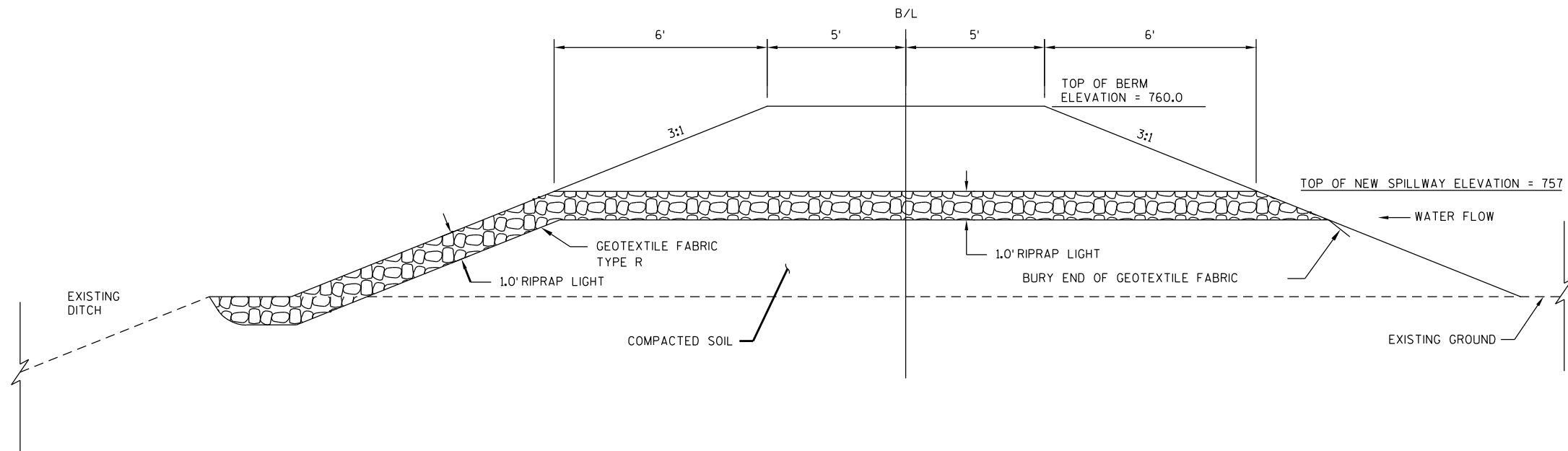
PHASE 1 - EXISTING SPILLWAY

N.T.S.

*THE CONTRACTOR MAY SUPPLY AND INSTALL NEW RIPRAP LIGHT OR, WITH THE APPROVAL OF THE ENGINEER, SALVAGE AND REUSE THE EXISTING RIPRAP LIGHT AT THE PHASE 1 SPILLWAYS DESIGNATED FOR REPAIR. PAYMENT FOR EITHER OPTION WILL BE UNDER BID ITEM 606.0100.

FOLLOWING PLACEMENT OF RIPRAP LIGHT AT THE PHASE 1 SITE ALL VOIDS SHALL BE FILLED WITH SALVAGED TOPSOIL. PAYMENT AT LOCATIONS WILL INCLUDE QUANTITIES FOR BOTH RIPRAP LIGHT AND SALVAGED TOPSOIL.

NOTE: INSTALL GEOTEXTILE FABRIC TYPE R OVER BACKFILL MATERIAL PRIOR PLACING RIPRAP LIGHT.



PHASE 1 - RECONSTRUCTION SPILLWAY

N.T.S.

PHASE 1 - SPILLWAY - SECTION Z-Z'



LEGEND

- 587 — EXISTING MAJOR (2') CONTOUR
- - - EXISTING MINOR (0.5') CONTOUR
- · - · - PROPERTY LINE
- ▽ EXISTING WETLANDS
- · - · - EXISTING WETLAND BOUNDARY
- ☆ EXISTING TREE TO BE REMOVED

**SE 1/4 OF SW 1/4
SECTION 17, T20N, R16E**

RUBBERT MITIGATION SITE PHASE 2
PREVIOUSLY CONSTRUCTED BY OTHERS
OWNED BY WISCONSIN DEPARTMENT OF TRANSPORTATION

**NE 1/4 OF SW 1/4
SECTION 17, T20N, R16E**

RUBBERT MITIGATION SITE PHASE 1
PREVIOUSLY CONSTRUCTED BY OTHERS
OWNED BY WISCONSIN DEPARTMENT OF TRANSPORTATION
MAINTENANCE ITEMS REQUIRED
TO BE COMPLETED AT THIS SITE
UNDER PROJECT ID: 1517-07-82

ARROWHEAD RIVER

EXISTING F.E. TO BE
USED FOR PHASE 3
SITE CONSTRUCTION
ACCESS

REMOVE EXISTING TREES
CLEARING & GRUBBING REOD

REMOVE
EXISTING
TRUCK
CAMPER

**SW 1/4 OF SE 1/4
SECTION 17, T20N, R16E**
RUBBERT MITIGATION SITE
PHASE 3

REMOVE EXISTING TREES
CLEARING & GRUBBING REOD

**NW 1/4 OF SE 1/4
SECTION 17, T20N, R16E**

RUBBERT MITIGATION SITE PHASE 2
PREVIOUSLY CONSTRUCTED BY OTHERS
OWNED BY WISCONSIN DEPARTMENT OF TRANSPORTATION

SCALE, FEET



LEGEND

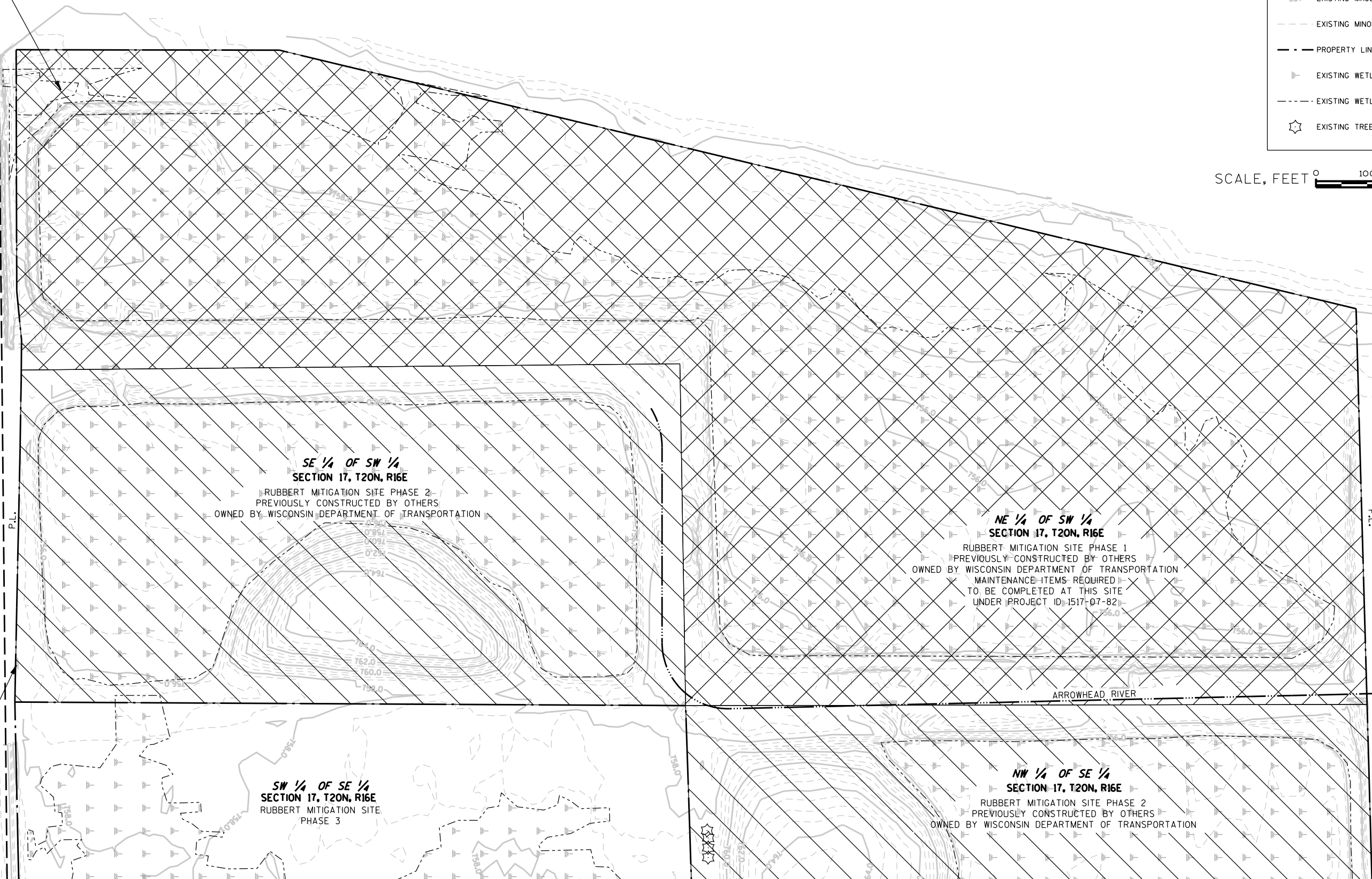
- 587 — EXISTING MAJOR (2') CONTOUR
- - - EXISTING MINOR (0.5') CONTOUR
- · - · - PROPERTY LINE
- ▤ EXISTING WETLANDS
- - - - EXISTING WETLAND BOUNDARY
- ☆ EXISTING TREE TO BE REMOVED

SCALE, FEET 0 100 200

PHASE 1 CONSTRUCTION
EQUIPMENT STAGING AREA

EXISTING F.E. TO BE
USED FOR PHASE 1
SITE CONSTRUCTION
ACCESS

CH II



SE 1/4 OF SW 1/4
SECTION 17, T20N, R16E
 RUBBERT MITIGATION SITE PHASE 2
 PREVIOUSLY CONSTRUCTED BY OTHERS
 OWNED BY WISCONSIN DEPARTMENT OF TRANSPORTATION

NE 1/4 OF SW 1/4
SECTION 17, T20N, R16E
 RUBBERT MITIGATION SITE PHASE 1
 PREVIOUSLY CONSTRUCTED BY OTHERS
 OWNED BY WISCONSIN DEPARTMENT OF TRANSPORTATION
 MAINTENANCE ITEMS REQUIRED
 TO BE COMPLETED AT THIS SITE
 UNDER PROJECT ID: 1517-07-82

SW 1/4 OF SE 1/4
SECTION 17, T20N, R16E
 RUBBERT MITIGATION SITE
 PHASE 3

NW 1/4 OF SE 1/4
SECTION 17, T20N, R16E
 RUBBERT MITIGATION SITE PHASE 2
 PREVIOUSLY CONSTRUCTED BY OTHERS
 OWNED BY WISCONSIN DEPARTMENT OF TRANSPORTATION

ARROWHEAD RIVER

GRADING LEGEND

- 587— PROPOSED MAJOR (2') CONTOUR
- - - PROPOSED MINOR (0.5') CONTOUR
- - - SLOPE INTERCEPT
- 587- EXISTING MAJOR (2') CONTOUR
- - - EXISTING MINOR (0.5') CONTOUR

CONSTRUCTION OPERATIONS SHALL AVOID IMPACTS TO THE EXISTING CULVERT PIPE

TOP OF BERM "A" ELEVATION = 763.00 'BA' ALIGNMENT AT TOP EDGE OF BERM. SEE ALIGNMENT DIAGRAM FOR INFORMATION.

REMOVE EXISTING TREES CLEARING & GRUBBING REQD

REMOVE EXISTING TREE CLEARING & GRUBBING REQD

TOP OF BERM "B" ELEVATION = 762.00 'BC' ALIGNMENT AT TOP EDGE OF BERM. SEE ALIGNMENT DIAGRAM FOR INFORMATION.

REMOVE EXISTING TRUCK CAMPER

POND "B" BOTTOM ELEVATION = 755.50 APPROXIMATE BOTTOM OF POND AREA = 5832 S.F.

TOP OF BERM ELEVATION = 763.00

TOP OF BERM "C" ELEVATION = VARIES 762.00 TO 763.00 (763.00 STA. 6'BC'+50 TO STA. 8'BC'+25) 'BC' ALIGNMENT AT TOP EDGE OF BERM. SEE ALIGNMENT DIAGRAM FOR INFORMATION.

POND "A" BOTTOM ELEVATION = 755.00 APPROXIMATE BOTTOM OF POND AREA = 4044 S.F.

REMOVE EXISTING TREES CLEARING & GRUBBING REQD

SEE CONSTRUCTION DETAIL FOR SLOPE AND ELEVATION INFORMATION

POND "D" BOTTOM ELEVATION = 755.00 APPROXIMATE BOTTOM OF POND AREA = 6592 S.F.

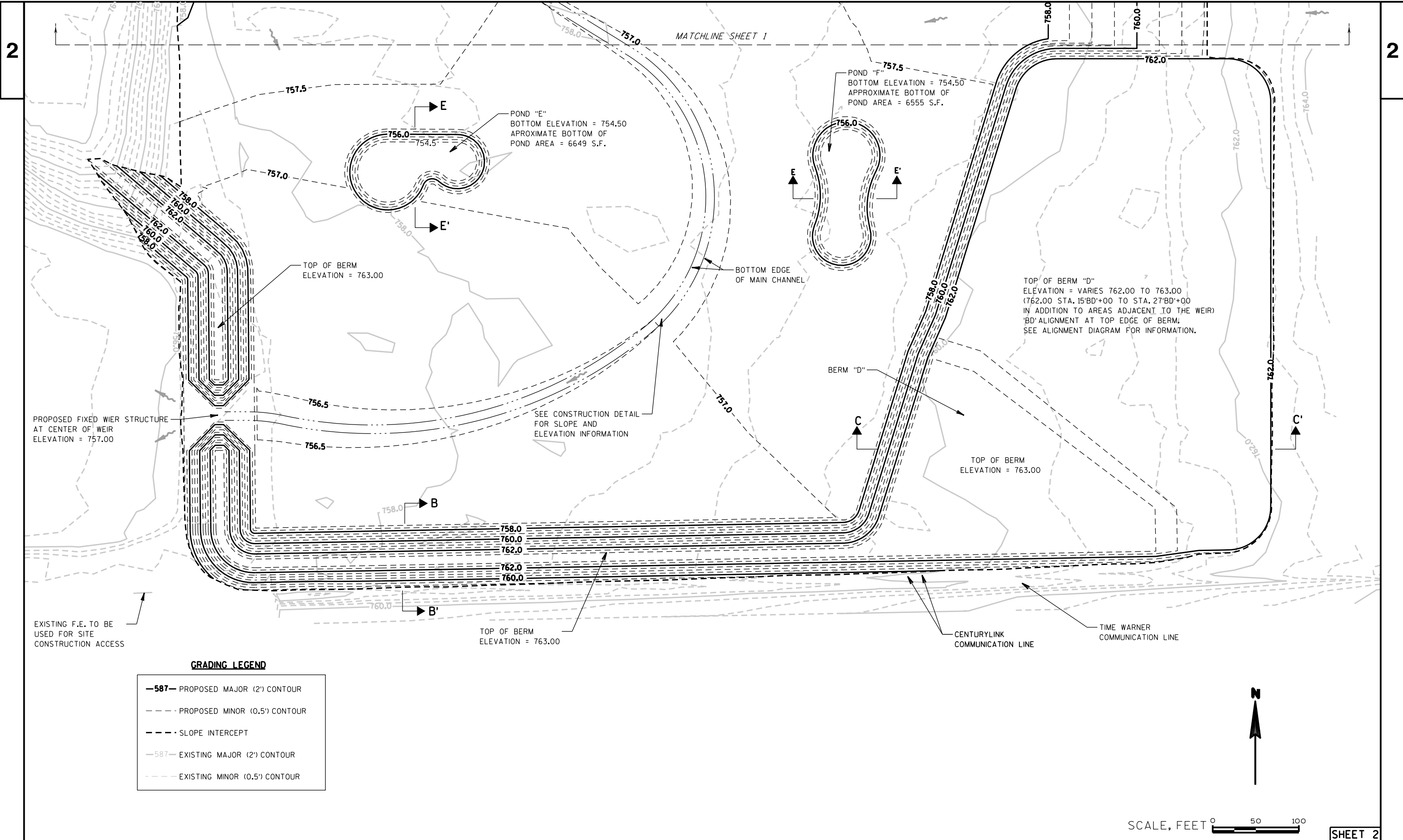
POND "C" BOTTOM ELEVATION = 755.00 APPROXIMATE BOTTOM OF POND AREA = 6975 S.F.

BOTTOM EDGE OF MAIN CHANNEL

MINOR DRAINAGE SWALE

SCALE, FEET 0 50 100

MATCHLINE SHEET 2





GRADING LEGEND

- 587 — PROPOSED MAJOR (2') CONTOUR
- - - PROPOSED MINOR (0.5') CONTOUR
- - - SLOPE INTERCEPT
- 587 — EXISTING MAJOR (2') CONTOUR
- - - EXISTING MINOR (0.5') CONTOUR
- ☒ SIGNIFICANT WASHOUT REPAIR REOD.
- MODERATE WASHOUT REPAIR REOD.
- MINIMAL WASHOUT REPAIR REOD.

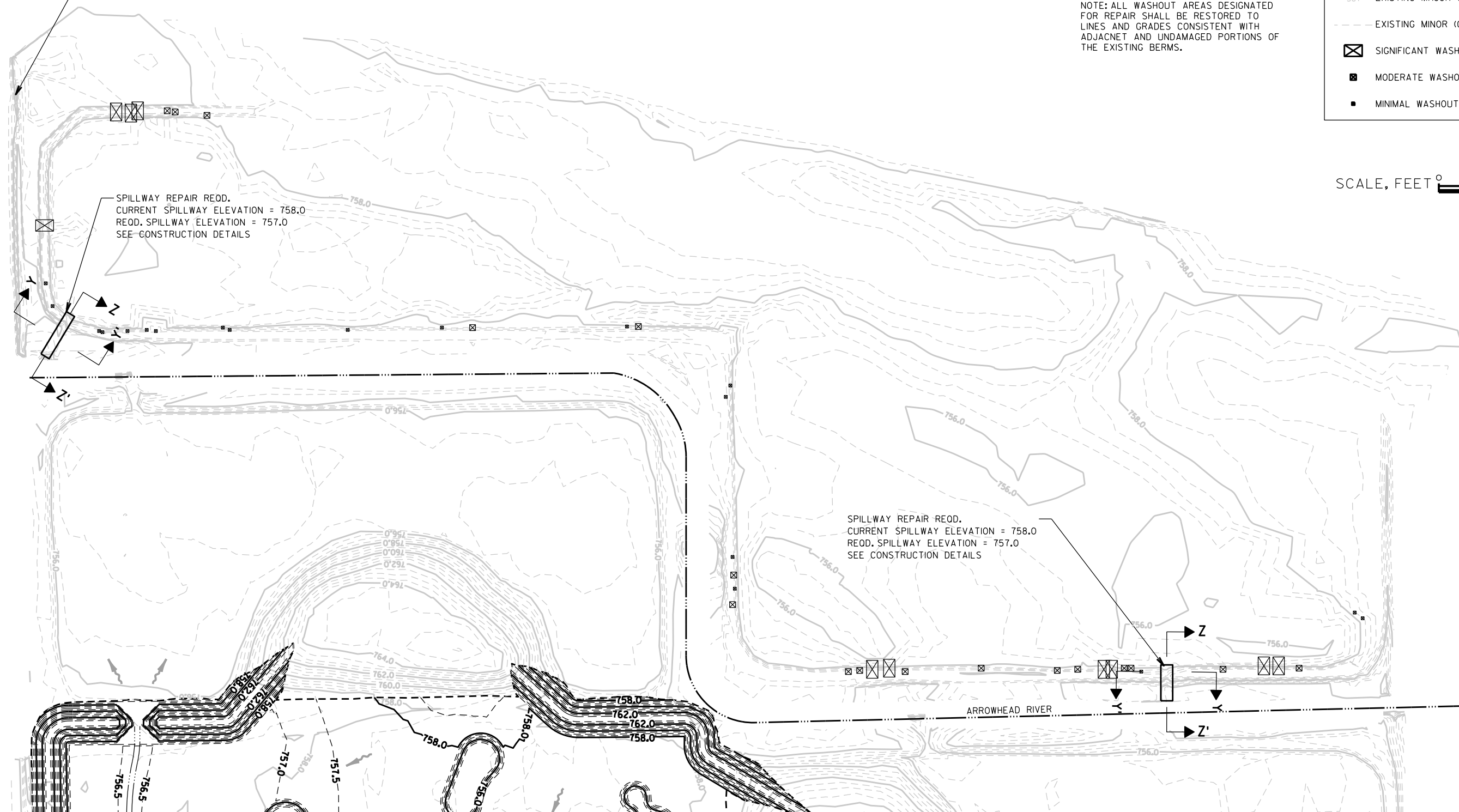
NOTE: ALL WASHOUT AREAS DESIGNATED FOR REPAIR SHALL BE RESTORED TO LINES AND GRADES CONSISTENT WITH ADJACENT AND UNDAMAGED PORTIONS OF THE EXISTING BERMS.

SCALE, FEET 0 100 200

EXISTING F.E. TO BE USED FOR SITE CONSTRUCTION ACCESS

SPILLWAY REPAIR REOD.
CURRENT SPILLWAY ELEVATION = 758.0
REOD. SPILLWAY ELEVATION = 757.0
SEE CONSTRUCTION DETAILS

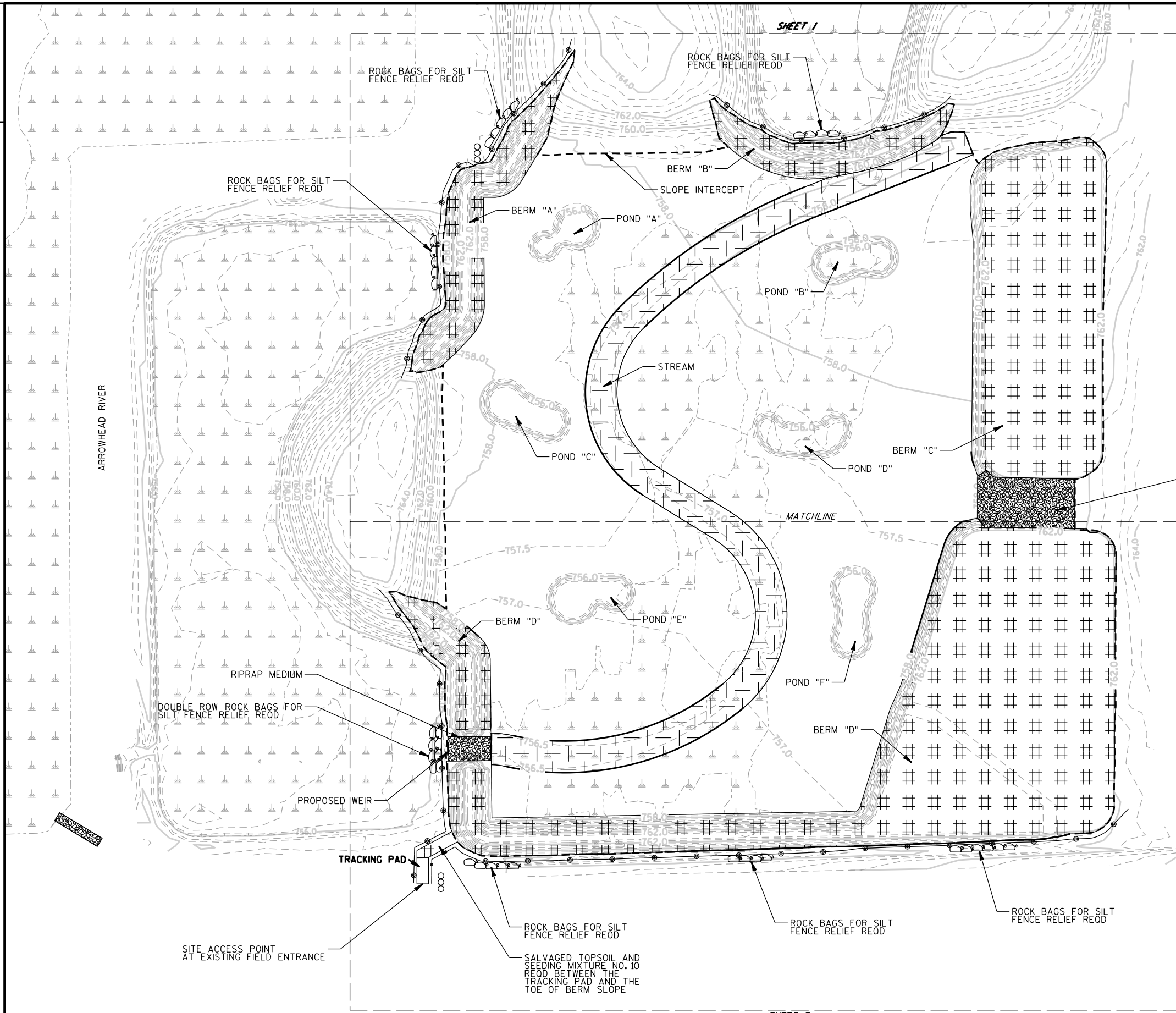
SPILLWAY REPAIR REOD.
CURRENT SPILLWAY ELEVATION = 758.0
REOD. SPILLWAY ELEVATION = 757.0
SEE CONSTRUCTION DETAILS



EROSION CONTROL LEGEND

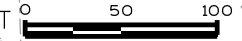
	TRACKING PADS (50' MIN. LENGTH)
	CULVERT PIPE CHECKS
	ROCK BAGS (FOR SILT FENCE RELIEF)
	SILT FENCE
	RIPRAP (TYPE AS NOTED)
	EROSION MAT URBAN CLASS I TYPE A
	EROSION MAT URBAN CLASS I TYPE B
	EXISTING WETLANDS & BOUNDARY

NOTE:
THE TRACKING PAD LOCATIONS SHOWN IN THE PLAN
MAY BE CHANGED BY THE CONTRACTOR WITH THE
APPROVAL OF THE ENGINEER.

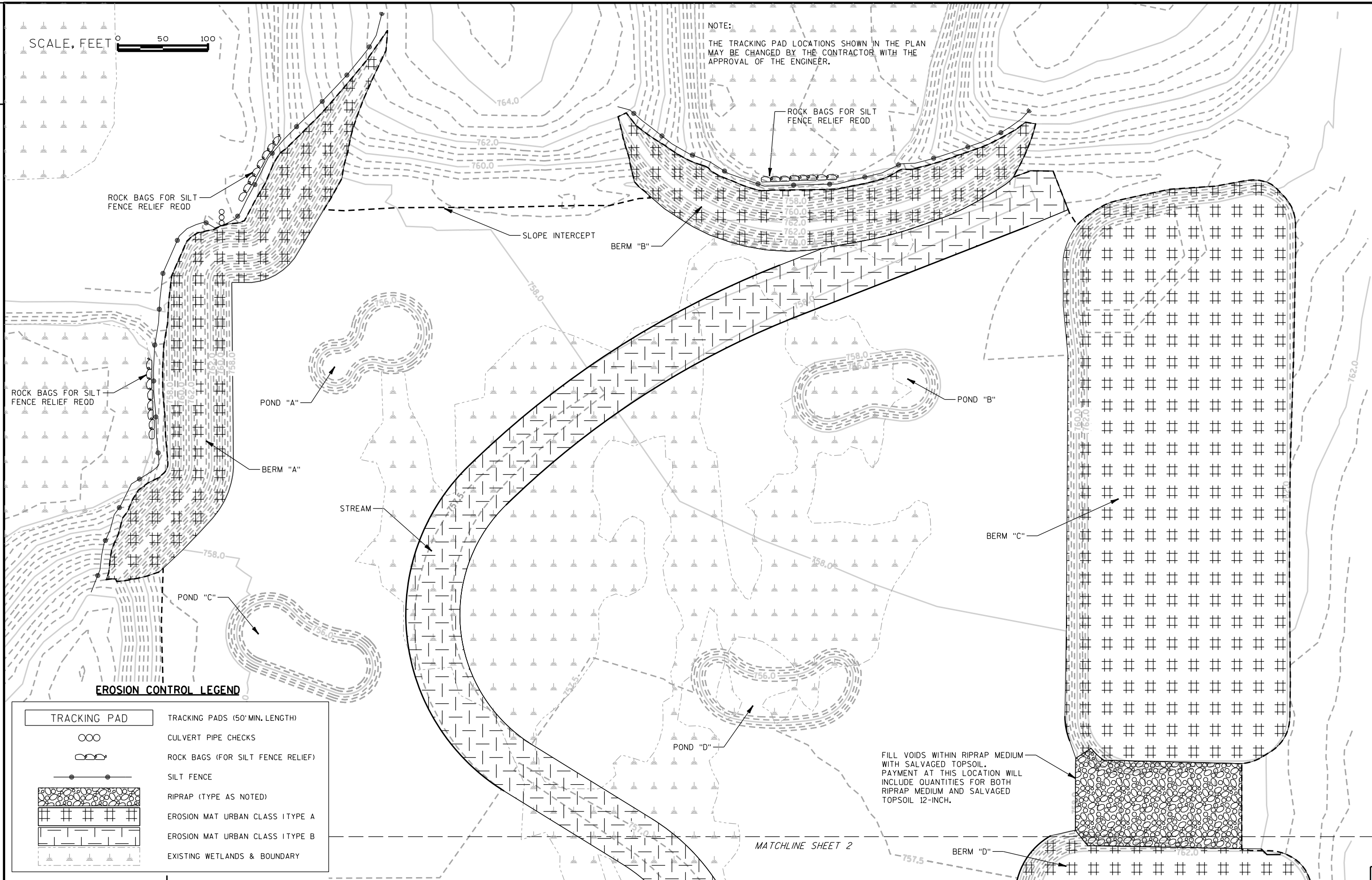


SCALE, FEET 0 100 200

SCALE, FEET



NOTE:
THE TRACKING PAD LOCATIONS SHOWN IN THE PLAN
MAY BE CHANGED BY THE CONTRACTOR WITH THE
APPROVAL OF THE ENGINEER.



ROCK BAGS FOR SILT FENCE RELIEF REOD

SLOPE INTERCEPT

BERM "B"

ROCK BAGS FOR SILT FENCE RELIEF REOD

ROCK BAGS FOR SILT FENCE RELIEF REOD

POND "A"

BERM "A"

STREAM

POND "B"

BERM "C"

POND "C"

POND "D"

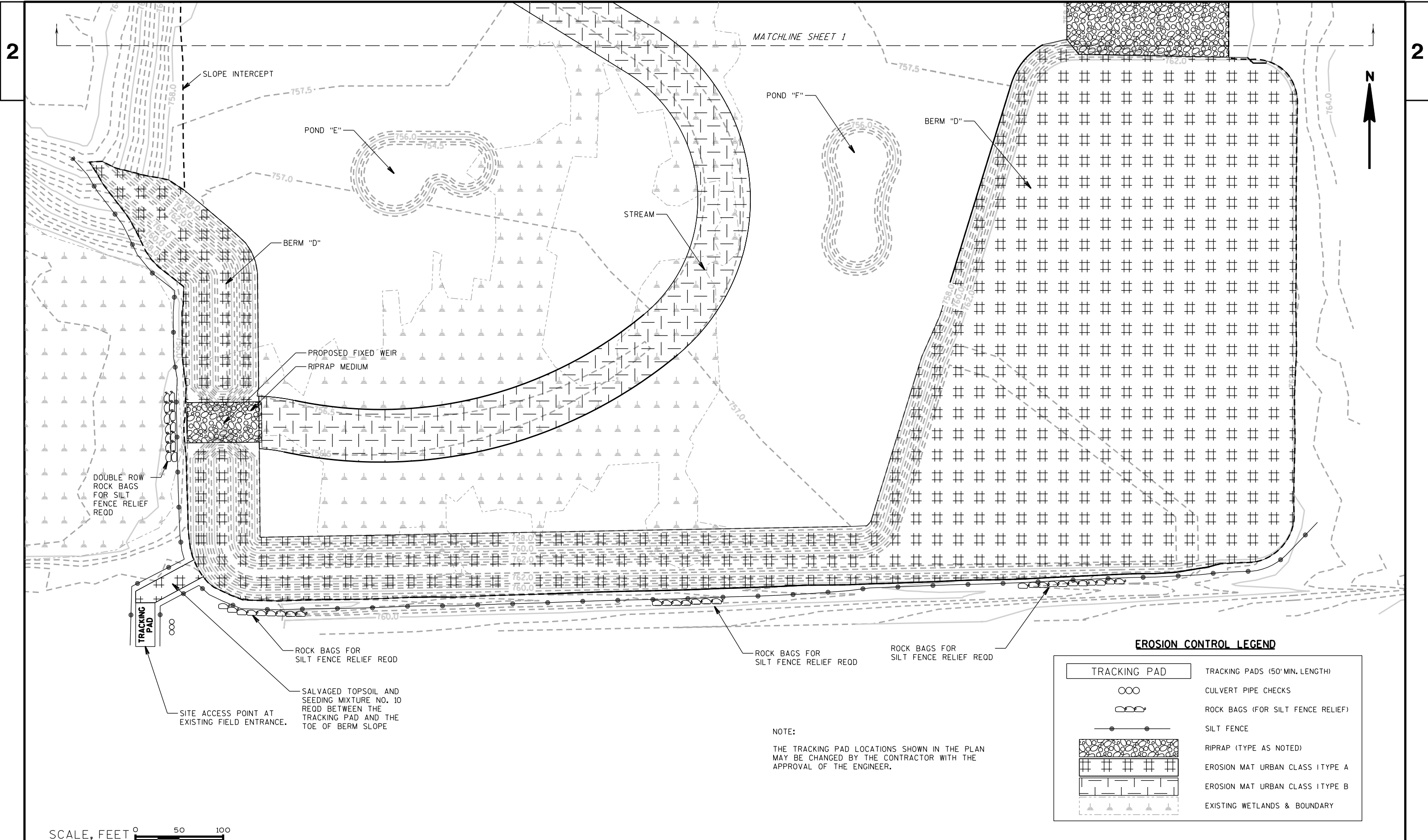
FILL VOIDS WITH RIPRAP MEDIUM WITH SALVAGED TOPSOIL. PAYMENT AT THIS LOCATION WILL INCLUDE QUANTITIES FOR BOTH RIPRAP MEDIUM AND SALVAGED TOPSOIL 12-INCH.

EROSION CONTROL LEGEND

	TRACKING PADS (50' MIN. LENGTH)
	CULVERT PIPE CHECKS
	ROCK BAGS (FOR SILT FENCE RELIEF)
	SILT FENCE
	RIPRAP (TYPE AS NOTED)
	EROSION MAT URBAN CLASS I TYPE A
	EROSION MAT URBAN CLASS I TYPE B
	EXISTING WETLANDS & BOUNDARY

MATCHLINE SHEET 2

BERM "D"



MATCHLINE SHEET 1

SLOPE INTERCEPT

POND "E"

POND "F"

BERM "D"

STREAM

BERM "D"

PROPOSED FIXED WEIR
RIPRAP MEDIUM

DOUBLE ROW
ROCK BAGS
FOR SILT
FENCE RELIEF
REOD

TRACKING
PAD

ROCK BAGS FOR
SILT FENCE RELIEF REOD

ROCK BAGS FOR
SILT FENCE RELIEF REOD

ROCK BAGS FOR
SILT FENCE RELIEF REOD

SALVAGED TOPSOIL AND
SEEDING MIXTURE NO. 10
REOD BETWEEN THE
TRACKING PAD AND THE
TOE OF BERM SLOPE

SITE ACCESS POINT AT
EXISTING FIELD ENTRANCE.

EROSION CONTROL LEGEND

	TRACKING PADS (50' MIN. LENGTH)
	CULVERT PIPE CHECKS
	ROCK BAGS (FOR SILT FENCE RELIEF)
	SILT FENCE
	RIPRAP (TYPE AS NOTED)
	EROSION MAT URBAN CLASS I TYPE A
	EROSION MAT URBAN CLASS I TYPE B
	EXISTING WETLANDS & BOUNDARY

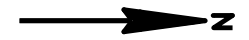
NOTE:
THE TRACKING PAD LOCATIONS SHOWN IN THE PLAN
MAY BE CHANGED BY THE CONTRACTOR WITH THE
APPROVAL OF THE ENGINEER.

SCALE, FEET 0 50 100

SHEET 2

EROSION CONTROL LEGEND

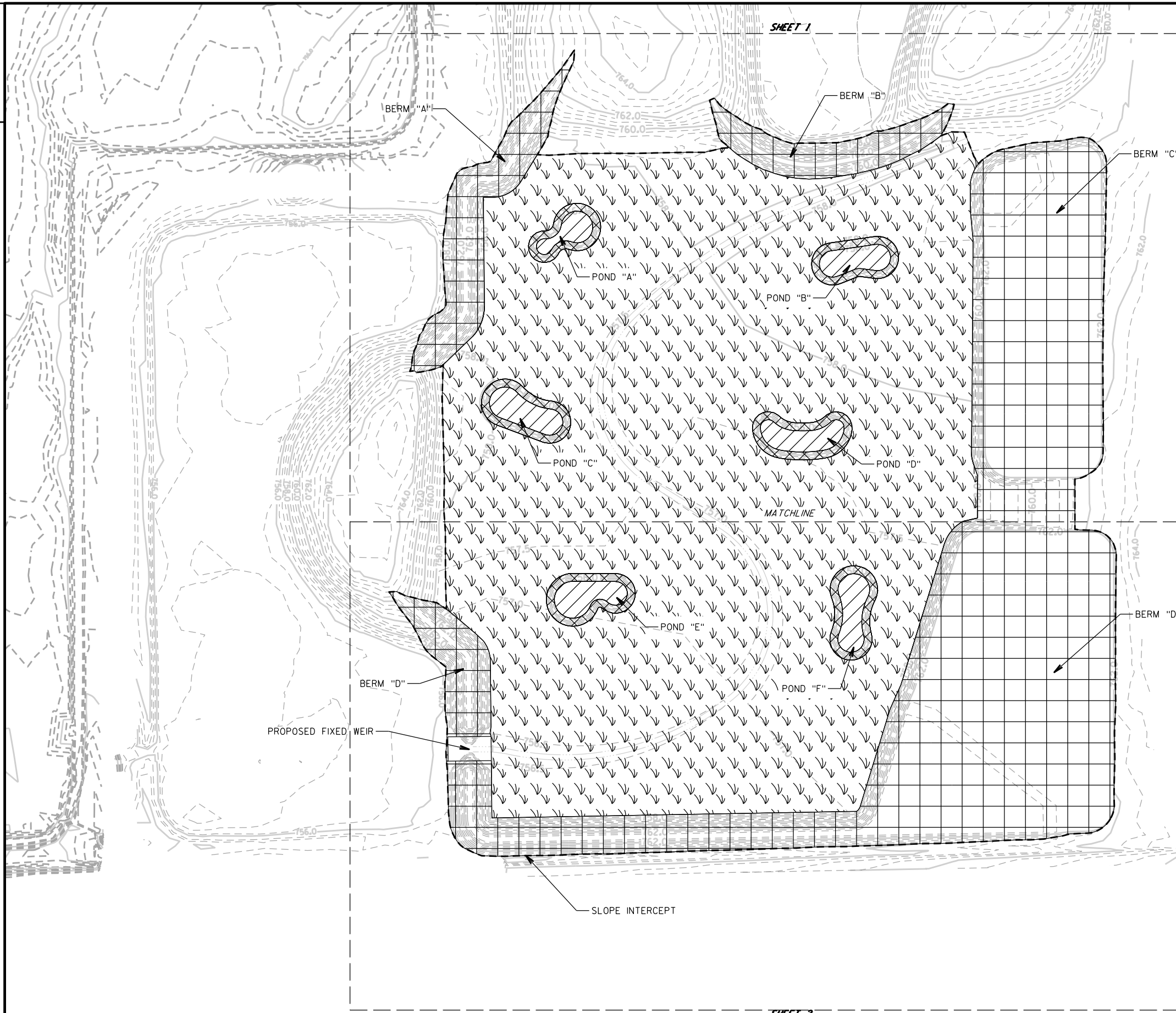
	TRACKING PADS (50' MIN. LENGTH)
	CULVERT PIPE CHECKS
	ROCK BAGS (FOR SILT FENCE RELIEF)
	SILT FENCE
	RIPRAP (TYPE AS NOTED)
	EROSION MAT URBAN CLASS I TYPE A
	EROSION MAT URBAN CLASS I TYPE B
	EXISTING WETLANDS & BOUNDARY



SCALE, FEET

NOTE:
 EROSION MAT CLASS 1 TYPE A SHALL BE PLACED OVER ANY WASHOUT AREAS DESIGNATED FOR REPAIR.
 THE CONTRACTOR MAY SUPPLY AND INSTALL NEW RIPRAP LIGHT OR, WITH THE APPROVAL OF THE ENGINEER, SALVAGE AND REUSE THE EXISTING RIPRAP LIGHT AT THE PHASE 1 SPILLWAYS DESIGNATED FOR REPAIR. PAYMENT FOR EITHER OPTION WILL BE UNDER BID ITEM 606.0100.



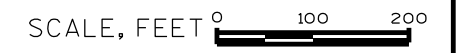


PLANTING AND SEEDING LEGEND

	DEEP MARSH PLANTING MIXTURE & DEEP MARSH ROOT STOCK
	DEEP MARSH PLANTING MIXTURE ONLY
	WET MEADOW & SHALLOW MARSH PLANTING MIXTURE
	SEEDING MIXTURE NO. 70 UPLAND BUFFER AREA



THE CONTRACTOR SHALL CONTACT THE NE REGION ENVIRONMENTAL SECTION, (920) 492-7738, AND THE PROJECT CONSTRUCTION LEADER A MINIMUM OF TWO WEEKS PRIOR TO PLANTING/SEEDING THE RUBBERT WETLAND MITIGATION SITE PHASE 3 TO ALLOW FOR DIRECTION ON FINAL PLANTING/SEEDING LIMITS AND LOCATIONS.

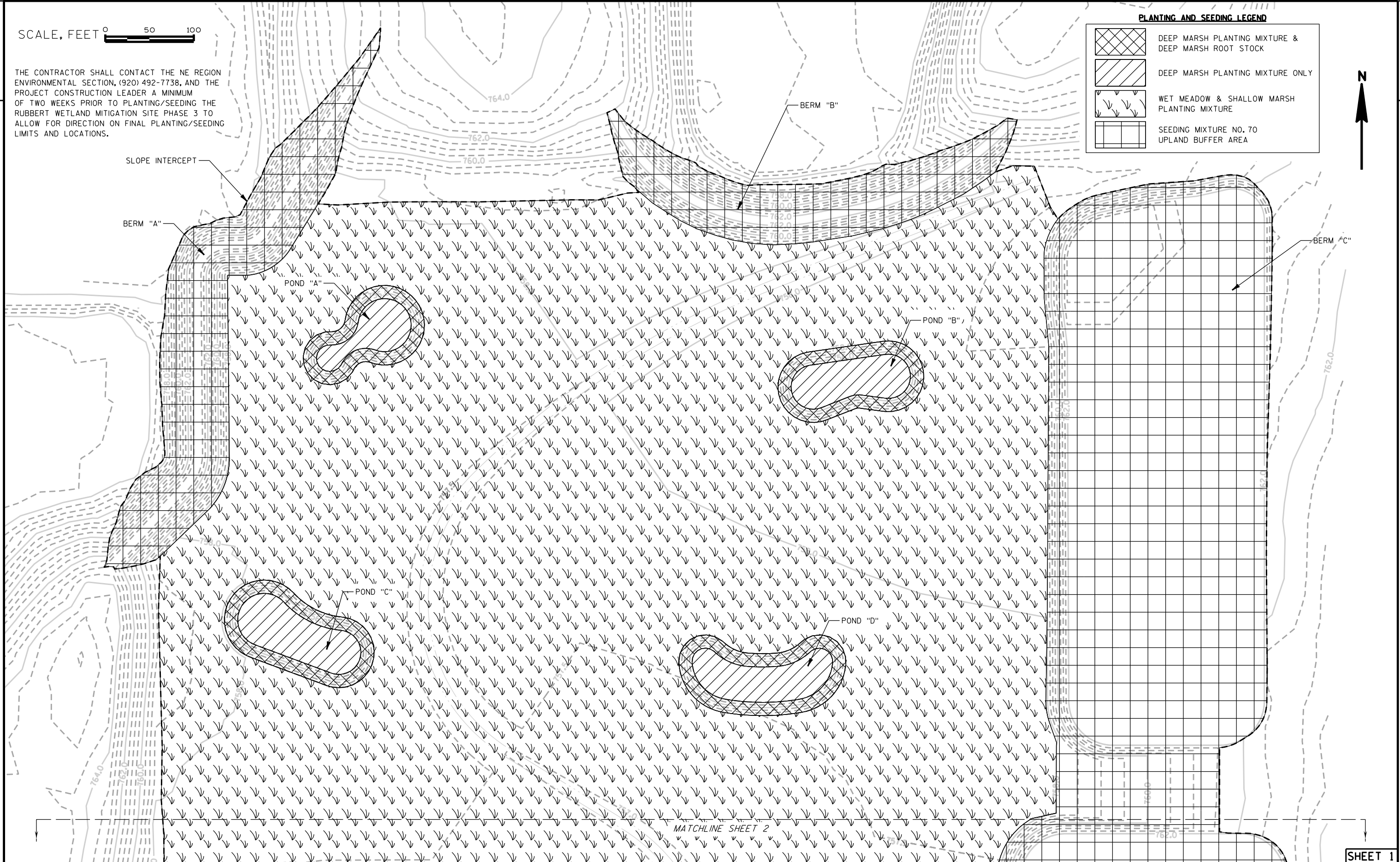


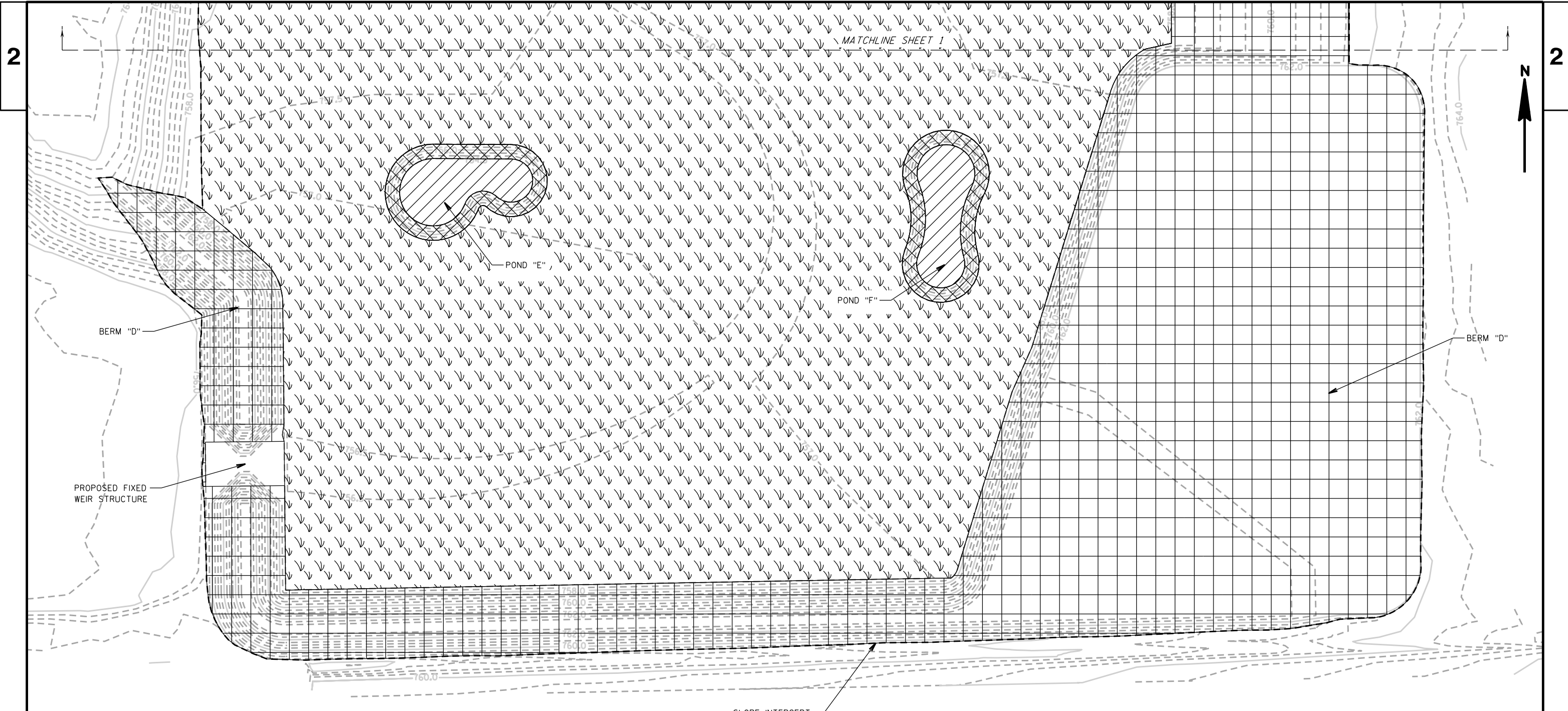
SCALE, FEET 0 50 100

THE CONTRACTOR SHALL CONTACT THE NE REGION ENVIRONMENTAL SECTION, (920) 492-7738, AND THE PROJECT CONSTRUCTION LEADER A MINIMUM OF TWO WEEKS PRIOR TO PLANTING/SEEDING THE RUBBERT WETLAND MITIGATION SITE PHASE 3 TO ALLOW FOR DIRECTION ON FINAL PLANTING/SEEDING LIMITS AND LOCATIONS.

PLANTING AND SEEDING LEGEND

	DEEP MARSH PLANTING MIXTURE & DEEP MARSH ROOT STOCK
	DEEP MARSH PLANTING MIXTURE ONLY
	WET MEADOW & SHALLOW MARSH PLANTING MIXTURE
	SEEDING MIXTURE NO. 70 UPLAND BUFFER AREA





PLANTING AND SEEDING LEGEND

	DEEP MARSH PLANTING MIXTURE & DEEP MARSH ROOT STOCK
	DEEP MARSH PLANTING MIXTURE ONLY
	WET MEADOW & SHALLOW MARSH PLANTING MIXTURE
	SEEDING MIXTURE NO. 70 UPLAND BUFFER AREA

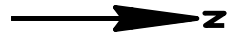
THE CONTRACTOR SHALL CONTACT THE NE REGION ENVIRONMENTAL SECTION, (920) 492-7738, AND THE PROJECT CONSTRUCTION LEADER A MINIMUM OF TWO WEEKS PRIOR TO PLANTING/SEEDING THE RUBBERT WETLAND MITIGATION SITE PHASE 3 TO ALLOW FOR DIRECTION ON FINAL PLANTING/SEEDING LIMITS AND LOCATIONS.

SCALE, FEET

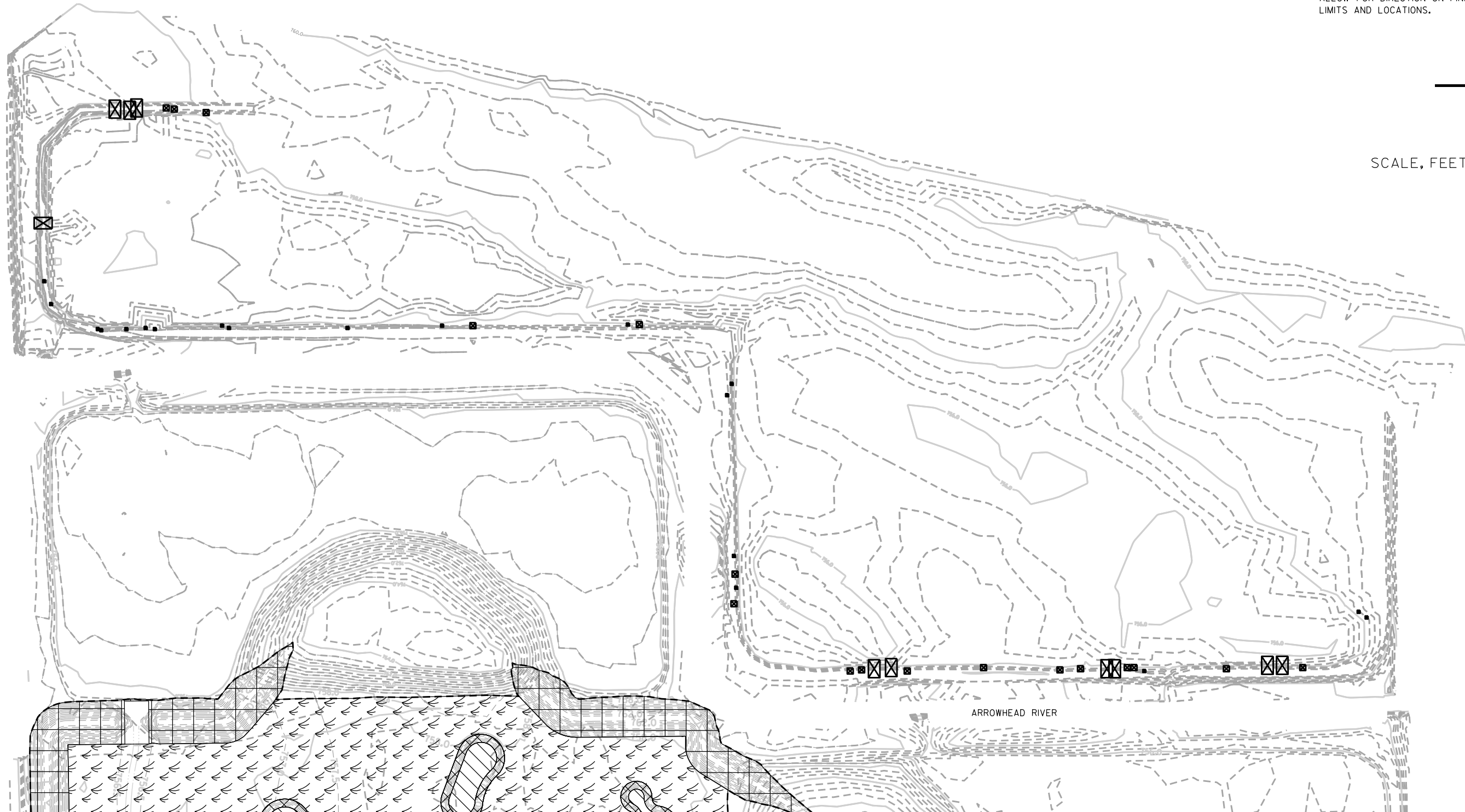
PLANTING AND SEEDING LEGEND

- ☒ SIGNIFICANT WASHOUT REPAIR: SEEDING MIXTURE NO. 70 REOD.
- ▣ MODERATE WASHOUT REPAIR: SEEDING MIXTURE NO. 70 REOD.
- MINIMAL WASHOUT REPAIR.: SEEDING MIXTURE NO. 70 REOD.

THE CONTRACTOR SHALL CONTACT THE NE REGION ENVIRONMENTAL SECTION, (920) 492-7738, AND THE PROJECT CONSTRUCTION LEADER A MINIMUM OF TWO WEEKS PRIOR TO PLANTING/SEEDING THE RUBBERT WETLAND MITIGATION SITE PHASE 3 TO ALLOW FOR DIRECTION ON FINAL PLANTING/SEEDING LIMITS AND LOCATIONS.



SCALE, FEET 0 100 200



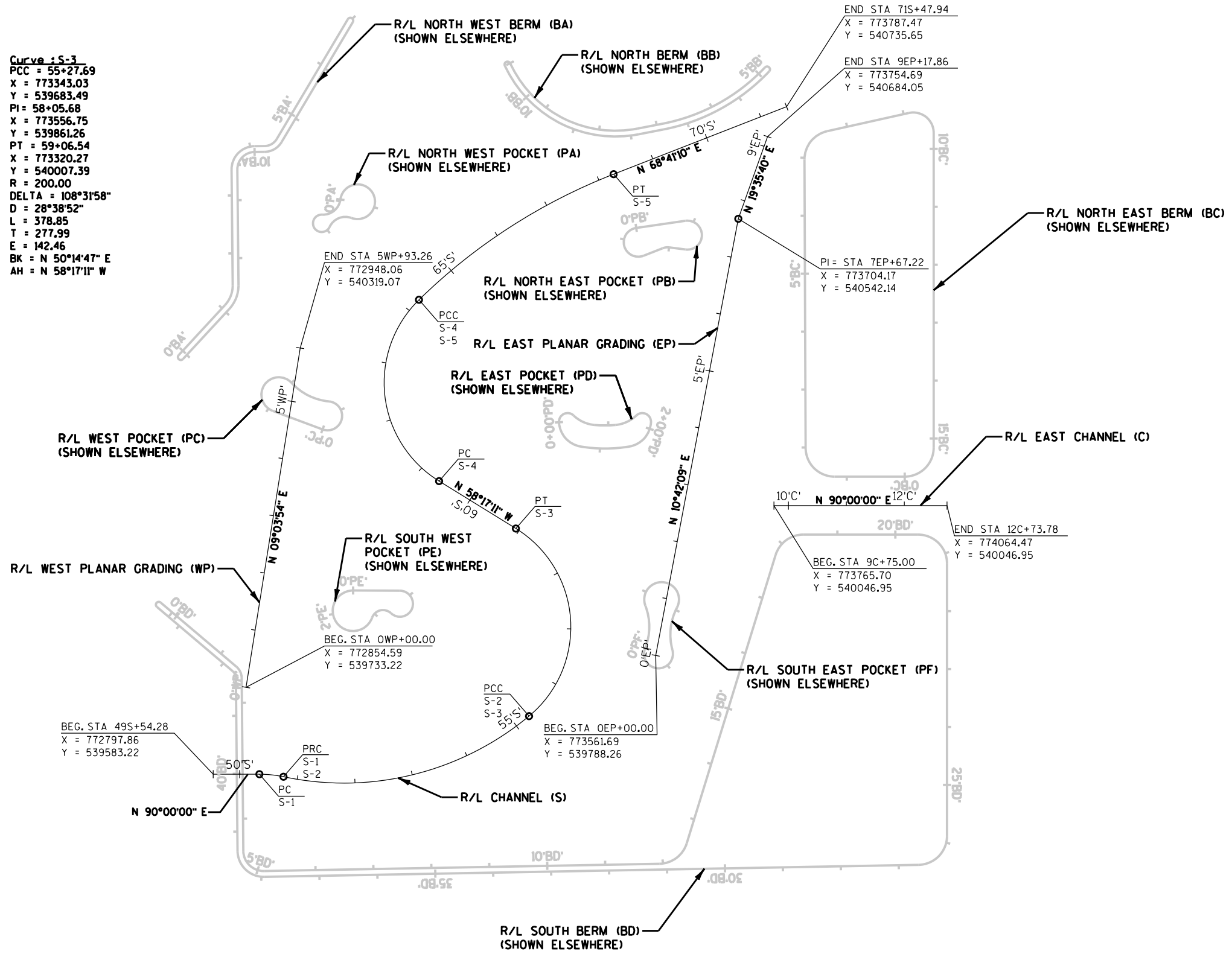
Curve : S-1
 PC = 50+34.01
 X = 772877.60
 Y = 539583.22
 PI = 50+55.06
 X = 772898.64
 Y = 539583.22
 PRC = 50+75.94
 X = 772919.22
 Y = 539578.84
 R = 200.00
 DELTA = 12°00'46"
 D = 28°38'52"
 L = 41.93
 T = 21.04
 E = 1.10
 BK = N 90°00'00" E
 AH = S 77°59'14" E

Curve : S-2
 PRC = 50+75.94
 X = 772919.22
 Y = 539578.84
 PI = 53+18.55
 X = 773156.52
 Y = 539528.35
 PCC = 55+27.69
 X = 773343.03
 Y = 539683.49
 R = 500.00
 DELTA = 51°45'59"
 D = 11°27'32"
 L = 451.75
 T = 242.61
 E = 55.75
 BK = S 77°59'14" E
 AH = N 50°14'47" E

Curve : S-3
 PCC = 55+27.69
 X = 773343.03
 Y = 539861.26
 PT = 59+06.54
 X = 773320.27
 Y = 540007.39
 R = 200.00
 DELTA = 108°31'58"
 D = 28°38'52"
 L = 378.85
 T = 277.99
 E = 142.46
 BK = N 50°14'47" E
 AH = N 58°17'11" W

Curve : S-4
 PC = 60+62.27
 X = 773187.79
 Y = 540089.25
 PI = 63+17.85
 X = 772970.38
 Y = 540223.60
 PCC = 64+24.99
 X = 773153.06
 Y = 540402.34
 R = 200.00
 DELTA = 103°54'38"
 D = 28°38'52"
 L = 362.72
 T = 255.58
 E = 124.53
 BK = N 58°17'11" W
 AH = N 45°37'27" E

Curve : S-5
 PCC = 64+24.99
 X = 773153.06
 Y = 540402.34
 PI = 66+29.00
 X = 773298.88
 Y = 540545.02
 PT = 68+27.50
 X = 773488.94
 Y = 540619.18
 R = 1000.00
 DELTA = 23°03'43"
 D = 5°43'46"
 L = 402.51
 T = 204.02
 E = 20.60
 BK = N 45°37'27" E
 AH = N 68°41'10" E



SCALE, FEET 0 100 200

Curve :BA-1
 PC = 1+07.43
 X = 772818.25
 Y = 540393.21
 PI = 1+27.29
 X = 772831.74
 Y = 540407.79
 PT = 1+45.24
 X = 772831.55
 Y = 540427.65
 R = 50.00
 DELTA = 43°19'58"
 D = 114°35'29"
 L = 37.82
 T = 19.86
 E = 3.80
 BK = N 42°46'34" E
 AH = N 0°33'25" W

Curve :BA-2
 PC = 3+44.78
 X = 772829.61
 Y = 540627.17
 PI = 3+84.78
 X = 772829.22
 Y = 540667.17
 PT = 4+07.61
 X = 772869.22
 Y = 540679.56
 R = 40.00
 DELTA = 90°00'00"
 D = 143°14'22"
 L = 62.83
 T = 40.00
 E = 16.57
 BK = N 0°33'25" W
 AH = N 89°26'35" E

Curve :BA-3
 PC = 4+24.64
 X = 772886.26
 Y = 540667.73
 PI = 4+38.72
 X = 772900.33
 Y = 540667.86
 PT = 4+50.28
 X = 772907.51
 Y = 540679.96
 R = 25.00
 DELTA = 58°45'08"
 D = 229°10'59"
 L = 25.64
 T = 14.07
 E = 3.69
 BK = N 89°26'35" E
 AH = N 30°41'27" E

Curve :BA-4
 PC = 6+90.79
 X = 773030.27
 Y = 540886.78
 PI = N/A
 X = N/A
 Y = N/A
 PT = 7+06.50
 X = 773038.87
 Y = 540881.68
 RP = RADIUS POINT
 X = 773034.57
 Y = 540884.23
 R = 5.00
 DELTA = 180°00'00"
 D = N/A
 L = 15.71
 T = N/A
 E = N/A
 BK = N 30°41'27" E
 AH = S 30°41'27" W

Curve :BA-5
 PC = 9+47.00
 X = 772916.11
 Y = 540674.86
 PI = 9+66.71
 X = 772906.06
 Y = 540657.92
 PT = 9+82.89
 X = 772886.35
 Y = 540657.72
 R = 35.00
 DELTA = 58°45'08"
 D = 163°42'08"
 L = 35.89
 T = 19.70
 E = 5.16
 BK = S 30°41'27" W
 AH = S 89°26'35" W

Curve :BA-6
 PC = 9+99.93
 X = 772869.32
 Y = 540657.56
 PI = 10+29.93
 X = 772839.32
 Y = 540657.27
 PT = 10+47.05
 X = 772839.61
 Y = 540627.27
 R = 30.00
 DELTA = 90°00'00"
 D = 190°59'09"
 L = 47.12
 T = 30.00
 E = 12.43
 BK = S 89°26'35" W
 AH = S 0°33'25" E

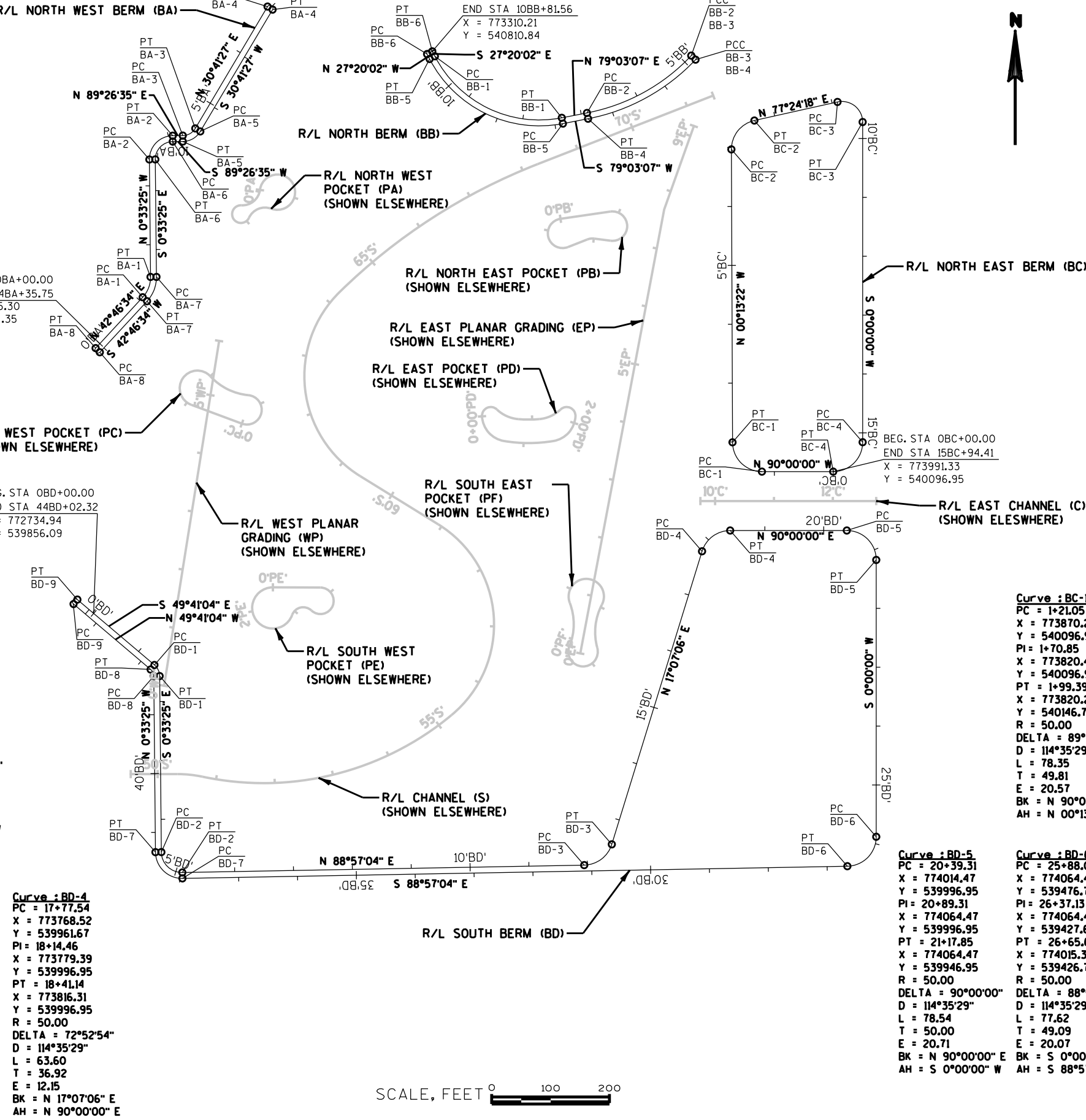
Curve :BA-7
 PC = 12+46.59
 X = 772841.55
 Y = 540427.75
 PI = 12+70.42
 X = 772841.78
 Y = 540403.91
 PT = 12+91.97
 X = 772825.59
 Y = 540386.41
 R = 60.00
 DELTA = 43°19'58"
 D = 95°29'34"
 L = 45.38
 T = 23.84
 E = 4.56
 BK = S 0°33'25" E
 AH = S 42°46'34" W

Curve :BA-8
 PC = 14+09.72
 X = 772745.63
 Y = 540299.98
 PI = N/A
 X = N/A
 Y = N/A
 PT = 14+25.42
 X = 772738.29
 Y = 540306.78
 RP = RADIUS POINT
 X = 772741.96
 Y = 540303.38
 R = 5.00
 DELTA = 180°00'00"
 D = N/A
 L = 15.71
 T = N/A
 E = N/A
 BK = S 42°46'34" W
 AH = N 42°46'34" E

Curve :BD-1
 PC = 1+35.35
 X = 772838.14
 Y = 539768.52
 PI = 1+46.78
 X = 772846.86
 Y = 539761.13
 PT = 1+56.79
 X = 772846.97
 Y = 539749.70
 R = 25.00
 DELTA = 49°07'39"
 D = 229°10'59"
 L = 21.44
 T = 11.43
 E = 2.49
 BK = S 49°41'04" E
 AH = S 0°33'25" E

Curve :BD-2
 PC = 4+55.76
 X = 772849.87
 Y = 539450.74
 PI = 4+91.06
 X = 772850.22
 Y = 539415.44
 PT = 5+11.04
 X = 772885.51
 Y = 539416.08
 R = 35.00
 DELTA = 90°29'32"
 D = 163°42'08"
 L = 55.28
 T = 35.30
 E = 14.71
 BK = S 0°33'25" E
 AH = N 88°57'04" E

Curve :BD-3
 PC = 11+93.98
 X = 773568.33
 Y = 539428.59
 PI = 12+30.19
 X = 773604.54
 Y = 539429.25
 PT = 12+56.66
 X = 773615.20
 Y = 539463.86
 R = 50.00
 DELTA = 71°49'58"
 D = 114°35'29"
 L = 62.69
 T = 36.22
 E = 11.74
 BK = N 88°57'04" E
 AH = N 17°07'06" E



Curve :BB-1
 PC = 0+09.46
 X = 773314.56
 Y = 540802.43
 PI = 1+37.95
 X = 773383.28
 Y = 540669.49
 PT = 2+66.43
 X = 773530.21
 Y = 540697.91
 R = 200.00
 DELTA = 73°36'51"
 D = 28°38'52"
 L = 256.96
 T = 149.66
 E = 49.79
 BK = S 27°20'02" E
 AH = N 79°03'07" E

Curve :BB-2
 PC = 3+09.96
 X = 773572.96
 Y = 540706.18
 PI = 4+12.75
 X = 773677.31
 Y = 540726.24
 PCC = 5+15.53
 X = 773750.20
 Y = 540803.56
 R = 328.89
 DELTA = 35°48'41"
 D = 17°25'15"
 L = 205.57
 T = 106.27
 E = 16.74
 BK = N 79°03'07" E
 AH = N 43°14'26" E

Curve :BB-3
 PC = 5+15.53
 X = 773750.20
 Y = 540803.56
 PI = N/A
 X = N/A
 Y = N/A
 PCC = 5+31.24
 X = 773753.84
 Y = 540800.13
 RP = RADIUS POINT
 X = 773753.84
 Y = 540800.13
 R = 5.00
 DELTA = 180°00'00"
 D = N/A
 L = 15.71
 T = N/A
 E = N/A
 BK = N 43°14'26" E
 AH = S 43°14'26" W

Curve :BB-4
 PCC = 5+31.24
 X = 773757.48
 Y = 540796.70
 PI = 6+37.15
 X = 773682.37
 Y = 540717.03
 PT = 7+43.06
 X = 773574.84
 Y = 540696.36
 R = 338.89
 DELTA = 35°48'41"
 D = 16°54'25"
 L = 211.82
 T = 109.50
 E = 17.25
 BK = S 43°14'26" W
 AH = S 79°03'07" W

Curve :BB-5
 PC = 7+86.58
 X = 773532.11
 Y = 540688.09
 PI = 9+21.49
 X = 773377.83
 Y = 540658.25
 PT = 10+56.39
 X = 773305.67
 Y = 540797.84
 R = 210.00
 DELTA = 73°36'51"
 D = 27°17'01"
 L = 269.81
 T = 157.14
 E = 52.28
 BK = S 79°03'07" W
 AH = N 27°20'02" W

Curve :BB-6
 PC = 10+65.86
 X = 773301.33
 Y = 540806.25
 PI = N/A
 X = N/A
 Y = N/A
 PT = 10+81.56
 X = 773310.21
 Y = 540810.84
 RP = RADIUS POINT
 X = 773305.77
 Y = 540808.55
 R = 5.00
 DELTA = 180°00'00"
 D = N/A
 L = 15.71
 T = N/A
 E = N/A
 BK = N 27°20'02" W
 AH = S 27°20'02" E

Curve :BC-1
 PC = 1+21.05
 X = 773870.28
 Y = 540096.95
 PI = 1+70.85
 X = 773820.48
 Y = 540096.95
 PT = 1+99.39
 X = 773820.28
 Y = 540146.75
 R = 50.00
 DELTA = 89°46'38"
 D = 114°35'29"
 L = 78.35
 T = 49.81
 E = 20.57
 BK = N 90°00'00" W
 AH = N 00°13'22" W

Curve :BC-2
 PC = 6+96.96
 X = 773818.35
 Y = 540644.32
 PI = 7+37.18
 X = 773818.19
 Y = 540684.54
 PT = 7+64.70
 X = 773857.44
 Y = 540693.31
 R = 50.00
 DELTA = 77°37'40"
 D = 102°35'42"
 L = 67.74
 T = 40.22
 E = 14.17
 BK = N 00°13'22" W
 AH = N 77°24'18" E

Curve :BC-3
 PC = 9+09.44
 X = 773998.70
 Y = 540724.87
 PI = 9+53.12
 X = 774041.33
 Y = 540734.39
 PT = 9+72.11
 X = 774041.33
 Y = 540690.71
 R = 35.00
 DELTA = 102°35'42"
 D = 163°42'08"
 L = 62.67
 T = 43.68
 E = 20.98
 BK = S 77°24'18" E
 AH = S 0°00'00" W

Curve :BC-4
 PC = 15+15.87
 X = 774041.33
 Y = 540146.95
 PI = 15+65.87
 X = 774041.33
 Y = 540096.95
 PT = 15+94.41
 X = 773991.33
 Y = 540096.95
 R = 50.00
 DELTA = 89°59'44"
 D = 114°35'29"
 L = 78.54
 T = 50.00
 E = 20.71
 BK = S 0°00'00" W
 AH = N 90°00'00" W

Curve :BD-5
 PC = 20+39.31
 X = 774014.47
 Y = 539996.95
 PI = 20+89.31
 X = 774064.47
 Y = 539996.95
 PT = 21+17.85
 X = 774064.47
 Y = 539946.95
 R = 50.00
 DELTA = 90°00'00"
 D = 114°35'29"
 L = 78.54
 T = 50.00
 E = 20.71
 BK = N 90°00'00" E
 AH = S 0°00'00" W

Curve :BD-6
 PC = 25+88.04
 X = 774064.47
 Y = 539476.76
 PI = 26+37.13
 X = 774064.47
 Y = 539427.67
 PT = 26+65.66
 X = 774015.39
 Y = 539426.77
 R = 50.00
 DELTA = 88°57'04"
 D = 127°19'26"
 L = 77.62
 T = 49.09
 E = 20.07
 BK = S 0°00'00" W
 AH = S 88°57'04" W

Curve :BD-7
 PC = 37+95.55
 X = 772885.70
 Y = 539406.09
 PI = 41+72.45
 X = 772840.31
 Y = 539405.26
 PT = 38+66.62
 X = 772839.87
 Y = 539450.64
 R = 45.00
 DELTA = 90°29'32"
 D = 127°19'26"
 L = 71.07
 T = 45.39
 E = 18.91
 BK = S 88°57'04" W
 AH = N 0°33'25" W

Curve :BD-8
 PC = 41+65.59
 X = 772836.97
 Y = 539749.60
 PI = 41+72.45
 X = 772836.90
 Y = 539756.46
 PT = 41+78.45
 X = 772831.67
 Y = 539760.89
 R = 45.00
 DELTA = 49°07'39"
 D = 127°19'26"
 L = 12.86
 T = 6.86
 E = 1.49
 BK = N 0°33'25" W
 AH = N 49°41'04" W

Curve :BD-9
 PC = 43+50.21
 X = 772700.71
 Y = 539872.02
 PI = N/A
 X = N/A
 Y = N/A
 PT = 43+65.92
 X = 772707.18
 Y = 539879.64
 RP = RADIUS POINT
 X = 772703.95
 Y = 539875.83
 R = 5.00
 DELTA = 180°00'00"
 D = N/A
 L = 15.71
 T = N/A
 E = N/A
 BK = N 49°41'04" W
 AH = S 49°41'04" E

Curve : PA-1 PC = 0+00.00 X = 773017.40 Y = 540575.45 PI = N/A X = N/A Y = N/A PRC = 1+48.36 X = 773036.57 Y = 540543.57 RP = RADIUS POINT X = 773047.16 Y = 540571.64 R = 30.00 DELTA = 283°21'15" D = 190°59'09" L = 148.36 T = -23.71 E = 68.24 BK = S 7°18'34" W AH = N 69°20'32" W	Curve : PA-2 PC = 1+48.36 X = 773036.57 Y = 540543.57 PI = 1+76.29 X = 773010.44 Y = 540553.42 PRC = 1+93.34 X = 772998.74 Y = 540528.06 RP = RADIUS POINT X = 772985.12 Y = 540534.34 R = 15.00 DELTA = 248°27'33" D = N/A L = 65.05 T = -22.05 E = 41.67 BK = S 24°45'04" W AH = N 86°47'23" E	Curve : PA-3 PC = 1+93.34 X = 772998.74 Y = 540528.06 PI = N/A X = N/A Y = N/A PRC = 2+58.39 X = 772985.96 Y = 540549.31 RP = RADIUS POINT X = 772985.12 Y = 540534.34 R = 30.00 DELTA = 85°54'24" D = 190°59'09" L = 44.98 T = 27.93 E = 10.99 BK = N 69°20'32" W AH = S 24°45'04" W	Curve : PA-4 PC = 2+58.39 X = 772985.96 Y = 540549.31 PI = 2+86.32 X = 773013.85 Y = 540547.75 PRC = 3+03.37 X = 773017.40 Y = 540575.45 RP = RADIUS POINT X = 773017.40 Y = 540575.45 R = 30.00 DELTA = 85°54'03" D = 190°59'09" L = 44.98 T = 27.93 E = 10.99 BK = N 86°47'23" E AH = N 7°18'34" E
--	---	--	---

Curve : PC-1 PC = 0+91.72 X = 772900.71 Y = 540210.49 PI = N/A X = N/A Y = N/A PRC = 2+00.17 X = 772933.28 Y = 540258.88 RP = RADIUS POINT X = 772911.16 Y = 540238.61 R = 30.00 DELTA = 207°07'00" D = 190°59'09" L = 108.45 T = -124.40 E = 157.97 BK = N 69°36'58" W AH = S 42°29'57" E	Curve : PC-2 PC = 2+00.17 X = 772933.28 Y = 540258.88 PI = 2+38.72 X = 772959.32 Y = 540230.45 PRC = 3+58.87 X = 772986.68 Y = 540178.54 RP = RADIUS POINT X = 772995.39 Y = 540201.98 R = 25.00 DELTA = 42°10'13" D = 57°17'44" L = 73.60 T = 38.56 E = 7.18 BK = S 42°29'57" E AH = S 84°40'11" E	Curve : PC-3 PC = 2+38.72 X = 772959.32 Y = 540230.45 PI = N/A X = N/A Y = N/A PRC = 3+58.87 X = 772986.68 Y = 540178.54 RP = RADIUS POINT X = 772995.39 Y = 540201.98 R = 25.00 DELTA = 195°03'11" D = 229°10'59" L = 85.11 T = -189.22 E = 215.86 BK = S 84°40'11" E AH = N 69°36'58" W
---	--	--

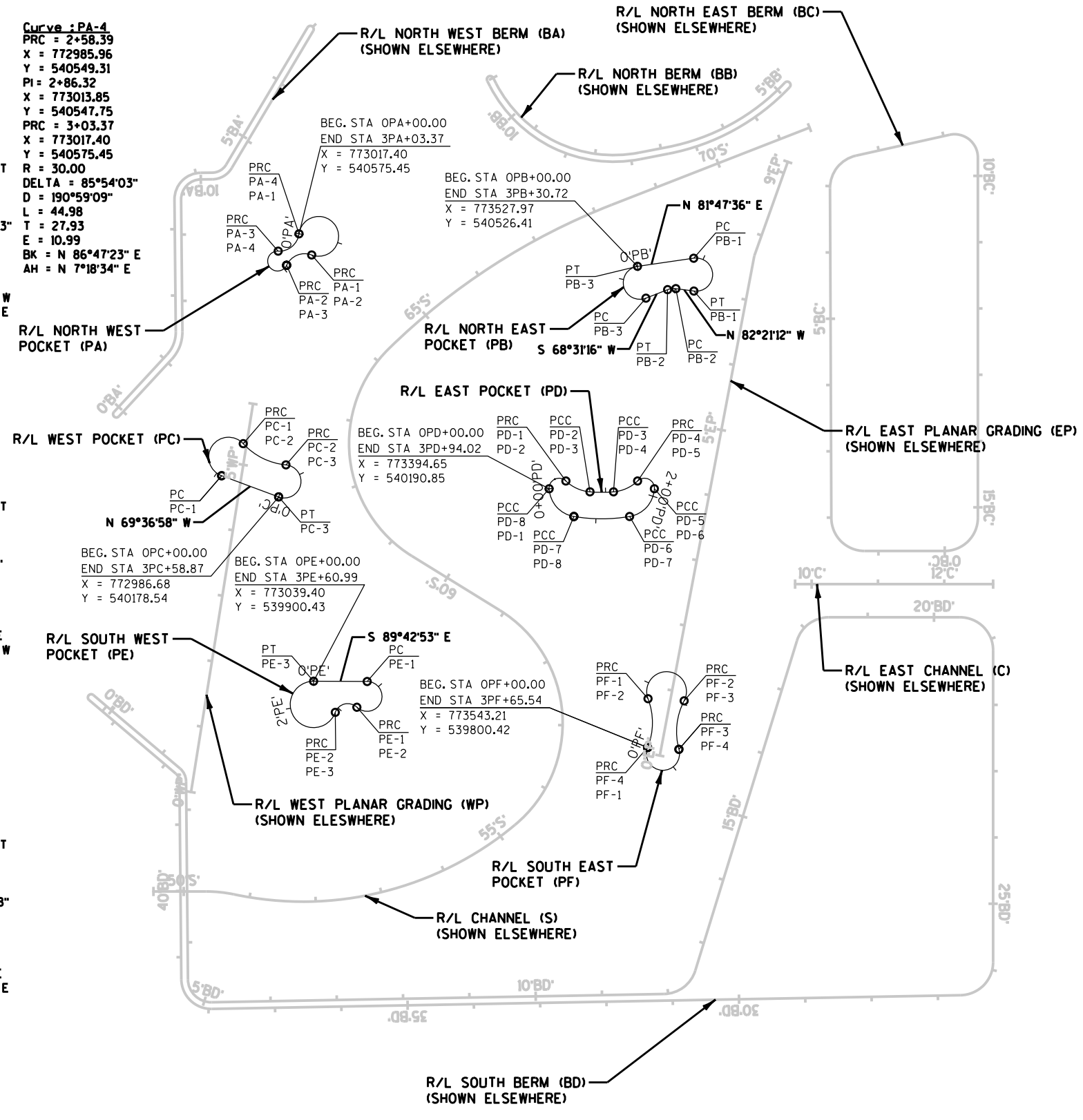
Curve : PE-1 PC = 0+80.85 X = 773120.26 Y = 539900.02 PI = N/A X = N/A Y = N/A PRC = 1+68.47 X = 773104.68 Y = 539861.18 RP = RADIUS POINT X = 773120.15 Y = 539877.52 R = 22.50 DELTA = 223°08'08" D = 254°38'52" L = 87.63 T = -56.92 E = 83.71 BK = S 89°42'53" E AH = S 46°34'44" E	Curve : PE-2 PC = 1+68.47 X = 773104.68 Y = 539861.18 PI = 1+98.96 X = 773082.54 Y = 539882.14 PRC = 2+08.08 X = 773072.14 Y = 539853.48 RP = RADIUS POINT X = 773072.14 Y = 539853.48 R = 20.00 DELTA = 113°27'55" D = 286°28'44" L = 39.61 T = 30.48 E = 16.46 BK = S 46°34'44" E AH = N 19°57'21" E	Curve : PE-3 PC = 2+08.08 X = 773072.14 Y = 539853.48 PI = N/A X = N/A Y = N/A PT = 3+60.99 X = 773039.40 Y = 539900.43 RP = RADIUS POINT X = 773039.24 Y = 539865.43 R = 35.00 DELTA = 250°18'48" D = 163°42'08" L = 152.91 T = -49.70 E = 95.78 BK = N 19°57'21" E AH = S 89°42'53" E
--	---	--

Curve : PB-1 PC = 0+85.69 X = 773612.78 Y = 540538.64 PI = N/A X = N/A Y = N/A PT = 1+71.15 X = 773613.02 Y = 540489.12 RP = RADIUS POINT X = 773616.35 Y = 540513.89 R = 25.00 DELTA = 195°51'12" D = 229°10'59" L = 85.46 T = -179.55 E = 206.28 BK = N 81°47'36" E AH = N 82°21'12" W	Curve : PB-2 PC = 1+98.58 X = 773585.84 Y = 540492.77 PI = 2+05.07 X = 773579.40 Y = 540493.63 PT = 2+11.29 X = 773573.36 Y = 540491.25 R = 25.00 DELTA = 29°07'32" D = 229°10'59" L = 12.71 T = 6.50 E = 0.83 BK = N 82°21'12" W AH = S 68°31'16" W	Curve : PB-3 PC = 2+46.39 X = 773540.69 Y = 540478.40 PI = N/A X = N/A Y = N/A PT = 3+30.72 X = 773527.97 Y = 540526.41 RP = RADIUS POINT X = 773531.54 Y = 773532.52 R = 25.00 DELTA = 193°16'02" D = 229°10'59" L = 84.33 T = -214.97 E = 241.41 BK = N 81°47'36" W AH = N 81°47'36" E
---	--	---

Curve : PD-1 PCC = 0+00.00 X = 773394.65 Y = 540190.85 PI = 0+37.90 X = 773392.55 Y = 540228.69 PRC = 0+35.82 X = 773419.98 Y = 540202.54 R = 15.00 DELTA = 136°48'45" D = N/A L = 35.82 T = 37.90 E = 25.76 BK = N 3°10'29" W AH = S 46°21'44" E	Curve : PD-2 PCC = 0+35.82 X = 773419.98 Y = 540202.54 PI = 0+56.94 X = 773435.27 Y = 540187.96 PCC = 0+76.44 X = 773456.32 Y = 540186.18 R = 60.00 DELTA = 38°47'43" D = 95°29'34" L = 40.63 T = 21.13 E = 3.61 BK = S 46°21'44" E AH = S 85°09'27" E	Curve : PD-3 PCC = 0+76.44 X = 773456.32 Y = 540186.18 PI = 0+94.24 X = 773474.05 Y = 540184.68 PCC = 1+11.94 X = 773491.78 Y = 540186.18 R = 210.00 DELTA = 9°41'06" D = 27°17'01" L = 35.50 T = 17.79 E = 0.75 BK = S 85°09'27" E AH = N 85°09'27" E	Curve : PD-4 PCC = 1+11.94 X = 773491.78 Y = 540186.18 PI = 1+33.07 X = 773512.83 Y = 540187.96 PRC = 1+52.57 X = 773528.12 Y = 540202.54 R = 60.00 DELTA = 38°47'43" D = 95°29'34" L = 40.63 T = 21.13 E = 3.61 BK = N 85°09'27" E AH = N 46°21'44" E
---	--	--	--

Curve : PD-5 PCC = 1+52.57 X = 773528.12 Y = 540202.54 PI = 1+90.47 X = 773555.54 Y = 540228.69 PCC = 1+88.39 X = 773553.45 Y = 540190.85 R = 15.00 DELTA = 136°48'44" D = N/A L = 35.82 T = 37.90 E = 25.76 BK = N 46°21'44" E AH = S 3°10'28" W	Curve : PD-6 PCC = 1+88.39 X = 773553.45 Y = 540190.85 PI = 2+24.27 X = 773551.46 Y = 540155.02 PCC = 2+48.98 X = 773516.08 Y = 540148.99 R = 45.00 DELTA = 77°08'48" D = 127°19'26" L = 60.59 T = 35.89 E = 12.56 BK = S 3°10'28" W AH = S 80°19'17" W	Curve : PD-7 PCC = 2+48.98 X = 773516.08 Y = 540148.99 PI = 2+91.61 X = 773474.05 Y = 540155.02 PCC = 3+33.44 X = 773432.02 Y = 540148.99 R = 250.00 DELTA = 19°21'27" D = 22°55'05" L = 84.46 T = 62.64 E = 3.61 BK = S 80°19'17" W AH = N 80°19'17" W	Curve : PD-8 PCC = 3+33.44 X = 773432.02 Y = 540148.99 PI = 3+69.32 X = 773396.64 Y = 540155.02 PCC = 3+94.02 X = 773394.65 Y = 540190.85 R = 45.00 DELTA = 77°08'20" D = 127°19'26" L = 60.58 T = 35.88 E = 12.56 BK = N 80°19'17" W AH = N 3°10'57" W
---	---	---	---

Curve : PF-1 PC = 0+00.00 X = 773543.21 Y = 539800.42 PI = 0+39.59 X = 773558.09 Y = 539837.11 PRC = 0+75.39 X = 773543.84 Y = 539874.04 RP = RADIUS POINT X = 773571.82 Y = 539884.85 R = 30.00 DELTA = 43°11'51" D = 57°17'44" L = 75.39 T = 39.59 E = 7.55 BK = N 22°05'21" E AH = S 21°06'28" E	Curve : PF-2 PC = 0+75.39 X = 773543.84 Y = 539874.04 PI = N/A X = N/A Y = N/A PRC = 1+95.23 X = 773598.37 Y = 539870.87 RP = RADIUS POINT X = 773590.47 Y = 539797.68 R = 100.00 DELTA = 228°52'05" D = N/A L = 119.84 T = -66.03 E = 102.53 BK = S 21°06'28" E AH = N 27°45'37" E	Curve : PF-3 PC = 1+95.23 X = 773598.37 Y = 539870.87 PI = 2+34.82 X = 773579.93 Y = 539835.84 PRC = 2+70.62 X = 773590.47 Y = 539797.68 R = 100.00 DELTA = 43°11'51" D = 57°17'44" L = 75.39 T = 39.59 E = 7.55 BK = N 27°45'37" E AH = N 15°26'13" W	Curve : PF-4 PC = 2+70.62 X = 773590.47 Y = 539797.68 PI = N/A X = N/A Y = N/A PRC = 3+65.54 X = 773543.21 Y = 539800.42 RP = RADIUS POINT X = 773566.37 Y = 539791.02 R = 25.00 DELTA = 217°31'34" D = N/A L = 94.91 T = -73.59 E = 102.72 BK = N 15°26'13" W AH = S 22°05'21" W
--	--	--	--



SCALE, FEET 0 100 200

DATE 10MAR14

ESTIMATE OF QUANTITIES

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1517-07-82 QUANTITY
0010	201.0120	CLEARING **P**	ID	430.000	430.000
0020	201.0220	GRUBBING **P**	ID	430.000	430.000
0030	204.9060.S	REMOVING (ITEM DESCRIPTION) 01. TRUCK CAMPER	EACH	1.000	1.000
0040	205.0100	EXCAVATION COMMON	CY	46,503.000	46,503.000
0050	213.0100	FINISHING ROADWAY (PROJECT) 01. 1517-07-82	EACH	1.000	1.000
0060	606.0100	RI PRAP LIGHT	CY	245.000	245.000
0070	606.0200	RI PRAP MEDIUM	CY	1,255.000	1,255.000
0080	612.0700	DRAIN TILE EXPLORATION	LF	1,600.000	1,600.000
0090	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 1517-07-82	EACH	1.000	1.000
0100	619.1000	MOBILIZATION	EACH	1.000	1.000
0110	624.0100	WATER	MGAL	50.000	50.000
0120	625.0500	SALVAGED TOPSOIL	SY	1,470.000	1,470.000
0130	628.1504	SILT FENCE	LF	4,750.000	4,750.000
0140	628.1520	SILT FENCE MAINTENANCE	LF	4,750.000	4,750.000
0150	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	2.000	2.000
0160	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	3.000	3.000
0170	628.2006	EROSION MAT URBAN CLASS I TYPE A	SY	66,100.000	66,100.000
0180	628.2008	EROSION MAT URBAN CLASS I TYPE B	SY	14,500.000	14,500.000
0190	628.7555	CULVERT PIPE CHECKS	EACH	5.000	5.000
0200	628.7560	TRACKING PADS	EACH	1.000	1.000
0210	628.7570	ROCK BAGS	EACH	250.000	250.000
0220	630.0110	SEEDING MIXTURE NO. 10	LB	5.000	5.000
0230	630.0170	SEEDING MIXTURE NO. 70	LB	260.000	260.000
0240	642.5201	FIELD OFFICE TYPE C	EACH	1.000	1.000
0250	643.0100	TRAFFIC CONTROL (PROJECT) 01. 1517-07-82	EACH	1.000	1.000
0260	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	408.000	408.000
0270	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	612.000	612.000
0280	643.0900	TRAFFIC CONTROL SIGNS	DAY	612.000	612.000
0290	645.0120	GEOTEXTILE FABRIC TYPE HR	SY	2,520.000	2,520.000
0300	645.0130	GEOTEXTILE FABRIC TYPE R	SY	735.000	735.000
0310	ASP.1TOA	ON-THE-JOB TRAINING APPRENTICE AT \$5.00/HR	HRS	1,200.000	1,200.000
0320	ASP.1TOG	ON-THE-JOB TRAINING GRADUATE AT \$5.00/HR	HRS	540.000	540.000
0330	SPV.0060	SPECIAL 150. DEEP MARSH ROOT STOCK	EACH	4,200.000	4,200.000
0340	SPV.0085	SPECIAL 150. SEEDING, DEEP MARSH MIX	LB	35.000	35.000
0350	SPV.0085	SPECIAL 151. SEEDING, WET MEADOW AND SHALLOW MARSH MIX	LB	210.000	210.000
0360	SPV.0105	SPECIAL 001. SURVEY PROJECT ID 1517-07-82	LS	1.000	1.000
0370	SPV.0165	SPECIAL 001. WEIR PLATE	SF	258.000	258.000
0380	SPV.0180	SPECIAL 150. SALVAGED TOPSOIL, 12-INCH	SY	196,900.000	196,900.000

3

3

CLEARING AND GRUBBING			
LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID	REMARKS
RUBBERT WETLAND MITIGATION SITE PHASE 3	430	430	
TOTALS	430	430	

EARTHWORK SUMMARY

Division	Location	Excavation Common (1) Item # 205.0100		Salvaged/ Unusable Material	Available Material (4)	Unexpanded Fill	Expanded Fill (5)	Mass Ordinate +/- (6)	Waste	Comment:	
		Cut (2)	EBS Excavation (3)				Factor 1.20				
1	Phase 3 - Channel/Ponds	44,921	0	0	44,921	164	197	44,724			
	Phase 3 - Berm "A"	7	0	0	7	4,419	5,303	-5,296			
	Phase 3 - Berm "B"	0	0	0	0	2,613	3,136	-3,136			
	Phase 3 - Berm "C"	145	0	0	145	10,367	12,440	-12,295			
	Phase 3 - Berm "D"	880	0	0	880	20,633	24,760	-23,880			
	Phase 1 - Spillways and Washouts	550	0	235	315	350	420	-105		Existing riprap is considered salvaged material	
Total		46,503	0	235	46,268	38,546	46,256	12	12		
Total Common Ex		46,503									

- 1) Excavation Common is the sum of the Cut and EBS Excavation columns. Item number 205.0100
- 2) Salvaged/Unusable Material is included in Cut.
- 4) Available Material = Cut - Salvaged/Unusable Material
- 5) Expanded Fill Factor = 1.20. Expanded Fill = Unexpanded Fill * Fill Factor. No Rock, Marsh, or EBS will be used in fill on this project.
- 6) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

3

RIPRAP AND GEOTEXTILE FABRIC SUMMARY

LOCATION	606.0100 RI PRAP LIGHT CY	606.0200 RI PRAP MEDI UM CY	645.0120 GEOTEXTI LE FABRI C TYPE HR SY	645.0130 GEOTEXTI LE FABRI C TYPE R SY	REMARKS
PHASE 1 SPILLWAY REPAIR	235	---	---	700	
PHASE 3 WEIR INSTALLATION	---	215	440	---	
PHASE 3 EAST DRAINAGE ENTRANCE	---	980	1,960	---	
PROJECT	10	60	120	35	UNDI STRI BUTED
TOTALS	245	1255	2520	735	

DRAIN TILE EXPLORATION

LOCATION	612.0700 CY	REMARKS
NW PHASE 3 SITE CORNER	700	
SW PHASE 3 SITE CORNER	900	
TOTALS	1,600	

3

WATER

LOCATION	624.0100 MGAL	REMARKS
RUBBERT WETLAND MITIGATION SITE PHASE 3	50	FOR DUST CONTROL
TOTALS	50	

EROSION CONTROL SUMMARY

LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2006 EROSI ON MAT URBAN CLASS I TYPE A SY	628.2008 EROSI ON MAT URBAN CLASS I TYPE B SY	628.7555 CULVERT PIPE CHECKS EACH	628.7560 TRACKI NG PADS EACH	*675.7570 ROCK BAGS	REMARKS
PHASE 3 BERM "A" AREA	785	785	4,950	---	1	---	50	
PHASE 3 BERM "B" AREA	505	505	3,250	---	---	---	25	
PHASE 3 BERM "C" AREA	---	---	17,400	---	---	---	---	
PHASE 3 BERM "D" AREA	1,810	1,810	36,600	---	---	---	125	
PHASE 3 MAIN CHANNEL	---	---	---	13,800	---	---	---	
PHASE 3 SITE ACCESS POINT	240	240	200	---	3	1	---	
PHASE 1	460	460	500	---	---	---	---	
PROJECT	950	950	3,200	700	1	---	50	UNDI STRI BUTED
TOTALS	4,750	4,750	66,100	14,500	5	1	250	

EROSION CONTROL MOBILIZATIONS

LOCATION	628.1905 MOBI LI ZATI ON EROSI ON CONTROL EACH	628.1910 MOBI LI ZATI ON EMERGENCY EROSI ON CONTROL EACH
PROJECT	2	3
TOTAL	2	3

*ASSUMES 24" x 12" x 6" BAG SIZE

3

3

LANDSCAPING SUMMARY

LOCATION	625.0500 SALVAGED TOPSOIL SY	630.0110 SEEDING MIXTURE NO. 10 LB	630.0170 SEEDING MIXTURE NO. 70 LB	SPV.0060.150 DEEP MARSH ROOT STOCK EA	SPV.0085.150 SEEDING, DEEP MARSH MIX LB	SPV.0085.151 SEEDING, WET MEADOW AND SHALLOW MARSH MIX LB	SPV.0180.150 SALVAGED TOPSOIL 12-INCH SY	REMARKS
PHASE 3 SITE	---	---	240	4,000	30	200	187,500	
PHASE 3 SITE ACCESS POINT	200	3	---	---	---	---	---	
PHASE 1 SITE	1,200	---	5	---	---	---	---	FOR USE AT WASHOUT AND RIPRAP AREAS
UNDISTRIBUTED	70	2	15	200	5	10	9,400	
TOTALS	1,470	5	260	4,200	35	210	196,900	

TRAFFIC CONTROL SUMMARY

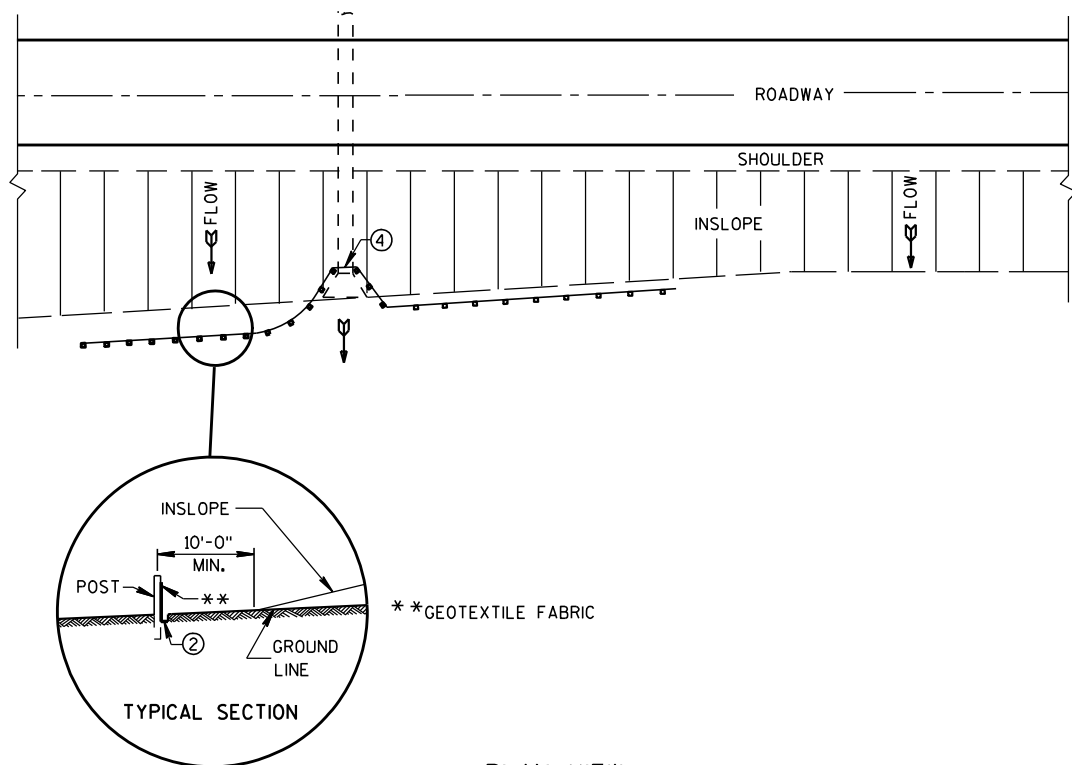
LOCATION	643.0420 TRAFFIC CONTROL APPROXIMATE SERVICE DAYS	643.0705 TRAFFIC CONTROL BARRICADES TYPE III NO. IN SERVICE DAYS	643.0900 TRAFFIC CONTROL WARNING LIGHTS TYPE A NO. IN SERVICE DAYS	643.0100 TRAFFIC CONTROL SIGNS NO. IN SERVICE DAYS	643.0100 TRAFFIC CONTROL PROJECT EACH	REMARKS
CTH 11	102	---	---	---	4	408
PHASE 3 SITE ACCESS POINT	102	2	204	3	306	1
PHASE 1 SITE ACCESS POINT	102	2	204	3	306	1
TOTALS		408	612	612	1	

WEIR PLATE

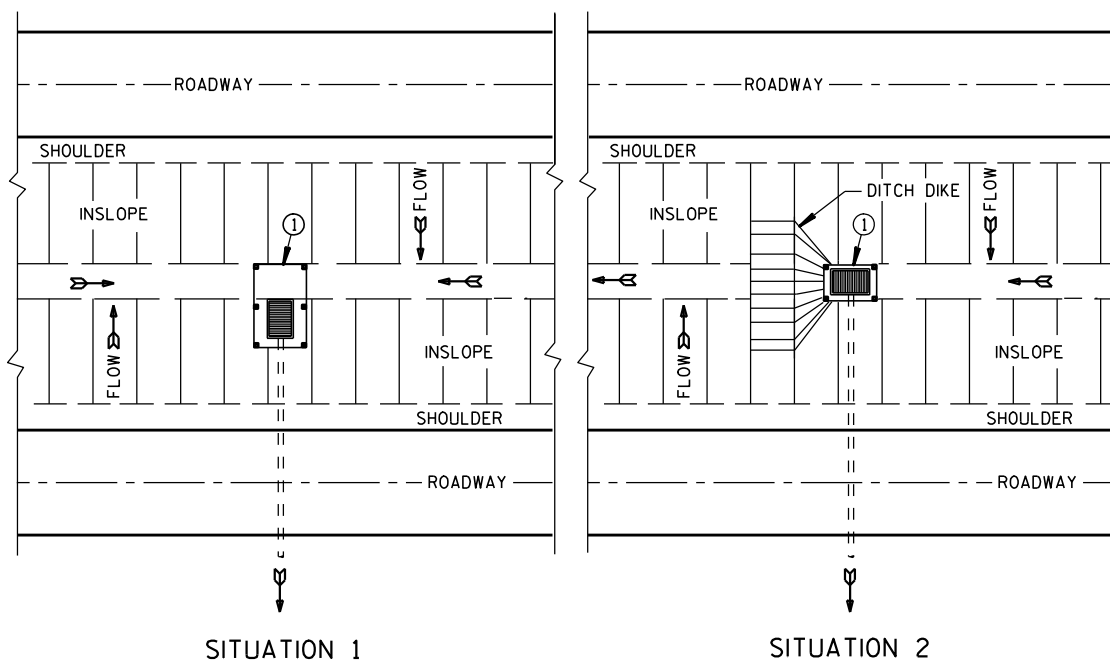
LOCATION	SPV.0165.001 SF	REMARKS
RUBBERT WETLAND MITIGATION SITE PHASE 3	258	
TOTALS	258	

Standard Detail Drawing List

08E09-06	SILT FENCE
08E14-01	TRACKING PAD
15D29-03	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD



PLAN VIEW
TYPICAL APPLICATION OF SILT FENCE

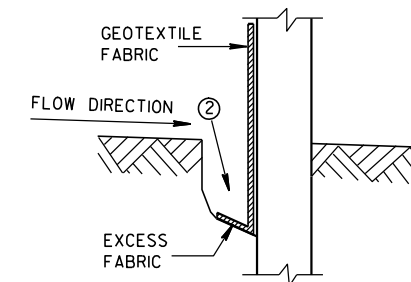


SITUATION 1 SITUATION 2
PLAN VIEW
SILT FENCE AT MEDIAN SURFACE DRAINS

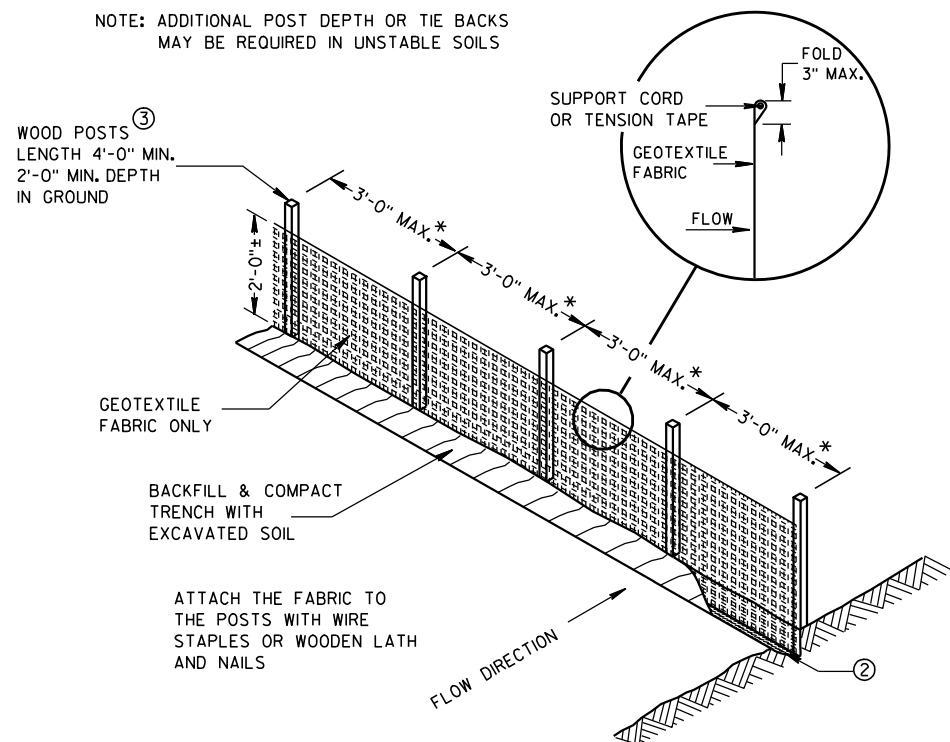
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

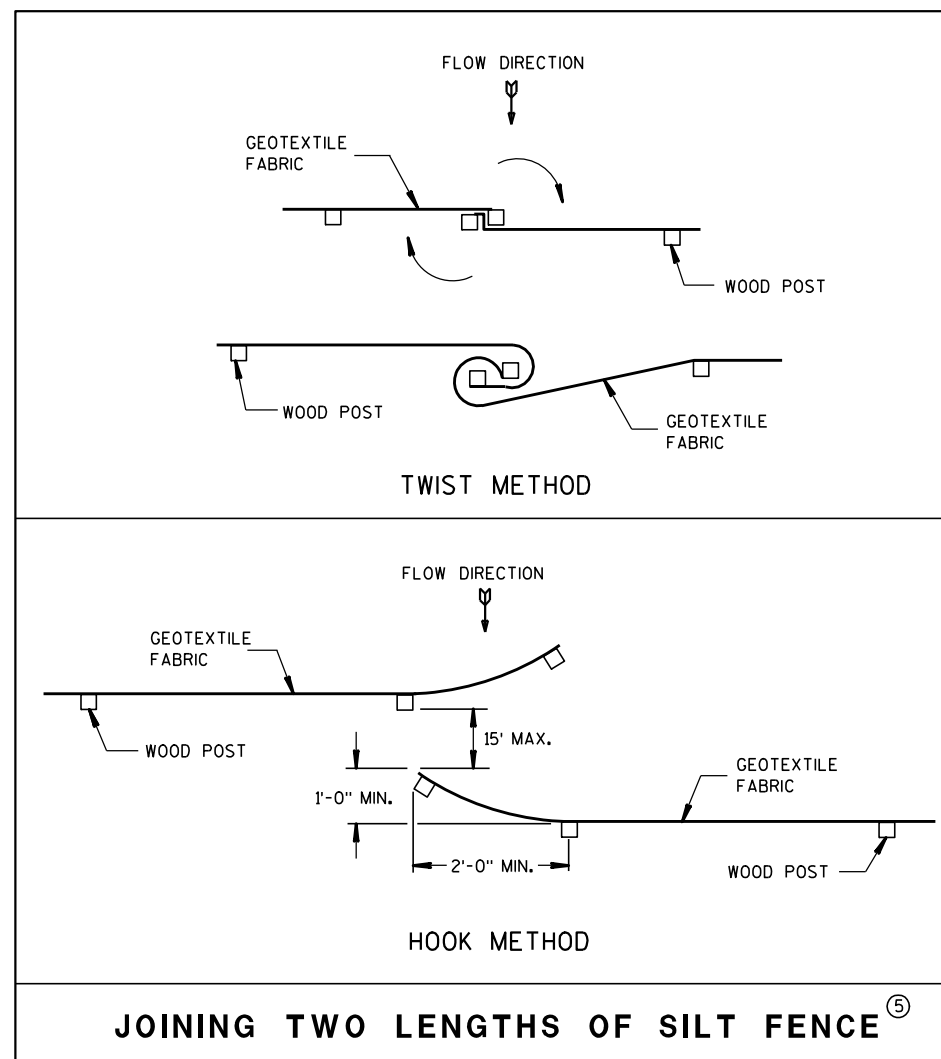
- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.
- ④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- ⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



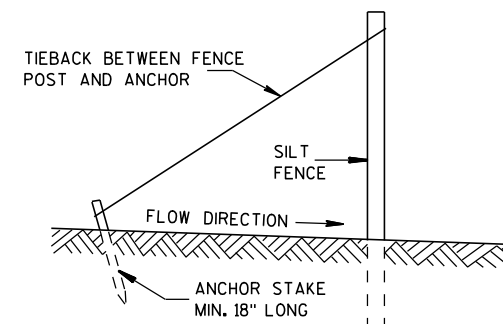
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Canestra
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

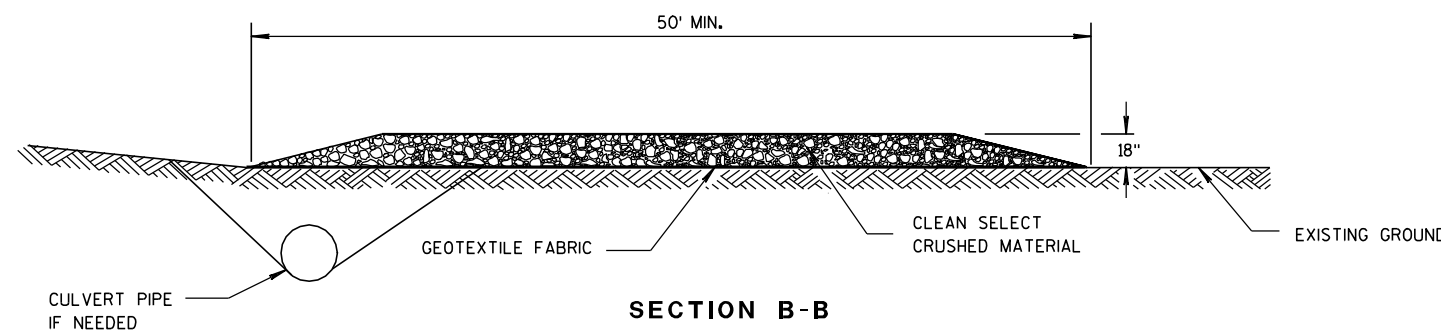
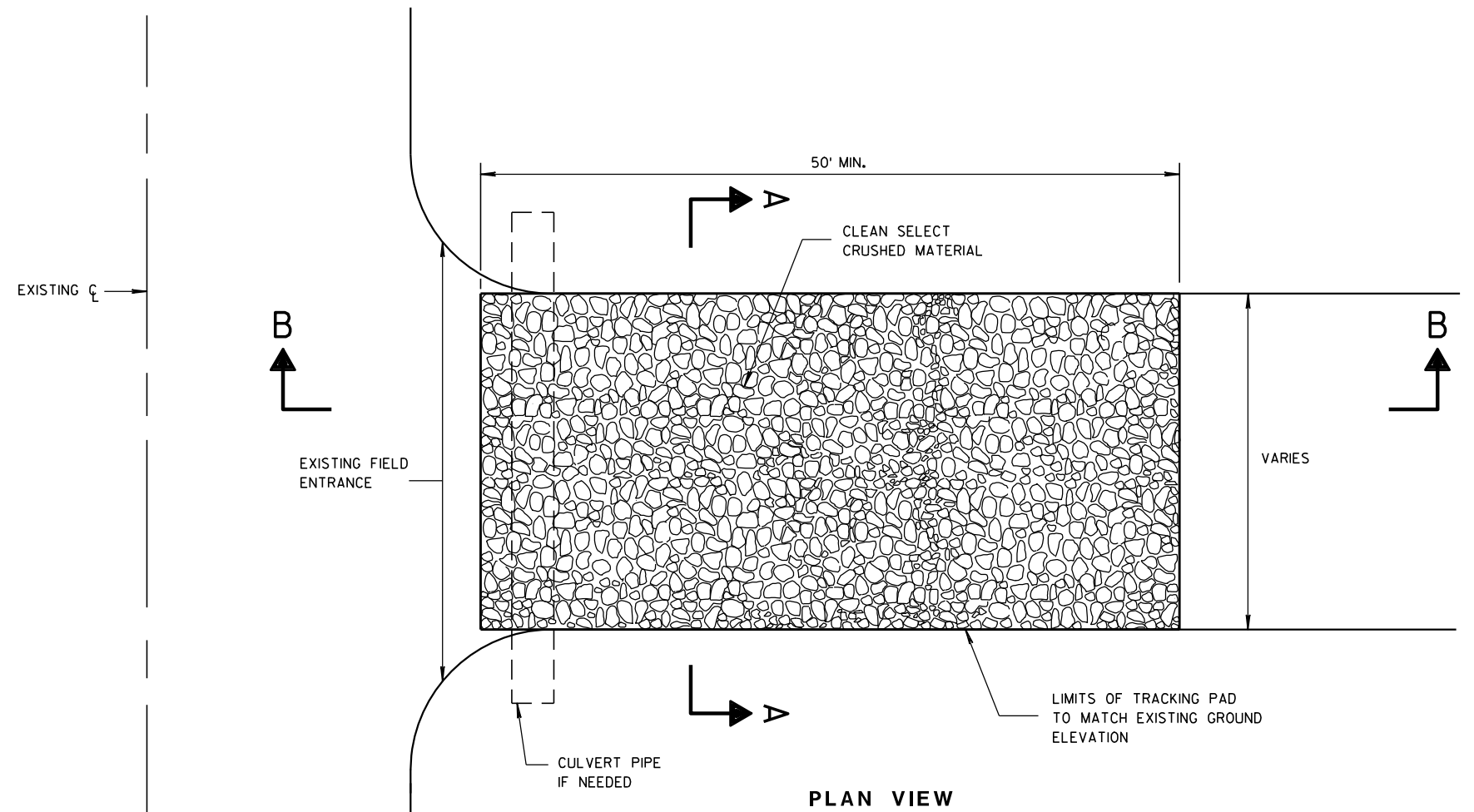
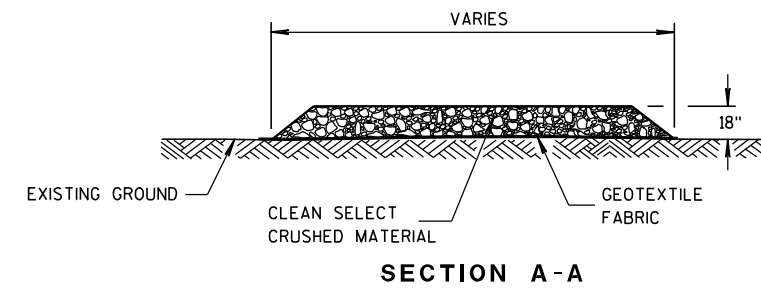
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.

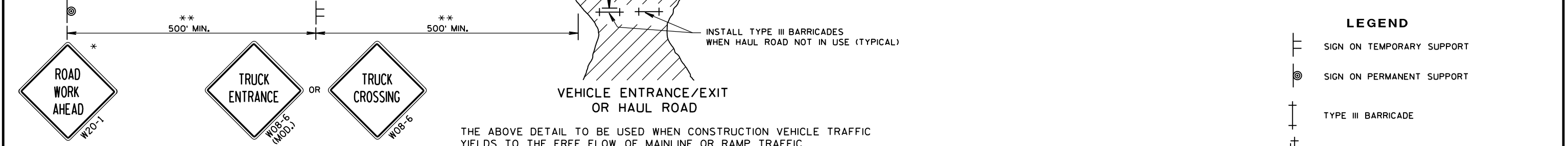
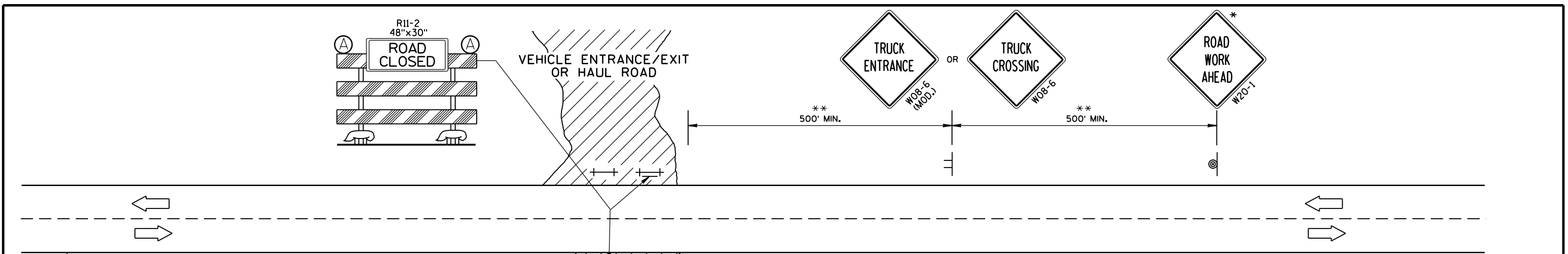


TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 DATE /S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA



- LEGEND**
- SIGN ON TEMPORARY SUPPORT
 - SIGN ON PERMANENT SUPPORT
 - TYPE III BARRICADE
 - TYPE III BARRICADE WITH ATTACHED SIGN
 - FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
 - TYPE "A" WARNING LIGHT (FLASHING)
 - DIRECTION OF TRAFFIC

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, DEVICES AND FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

* THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE ENTRANCE/EXIT CONDITIONS ARE SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.

** 500 FEET SHOWN IS FOR ROADWAYS WITH A NON-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FEET, FOR 25-30 MPH, USE 200 FEET. USE 1000 FEET/1500 FEET FOR EXPRESSWAY/FREEWAY.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

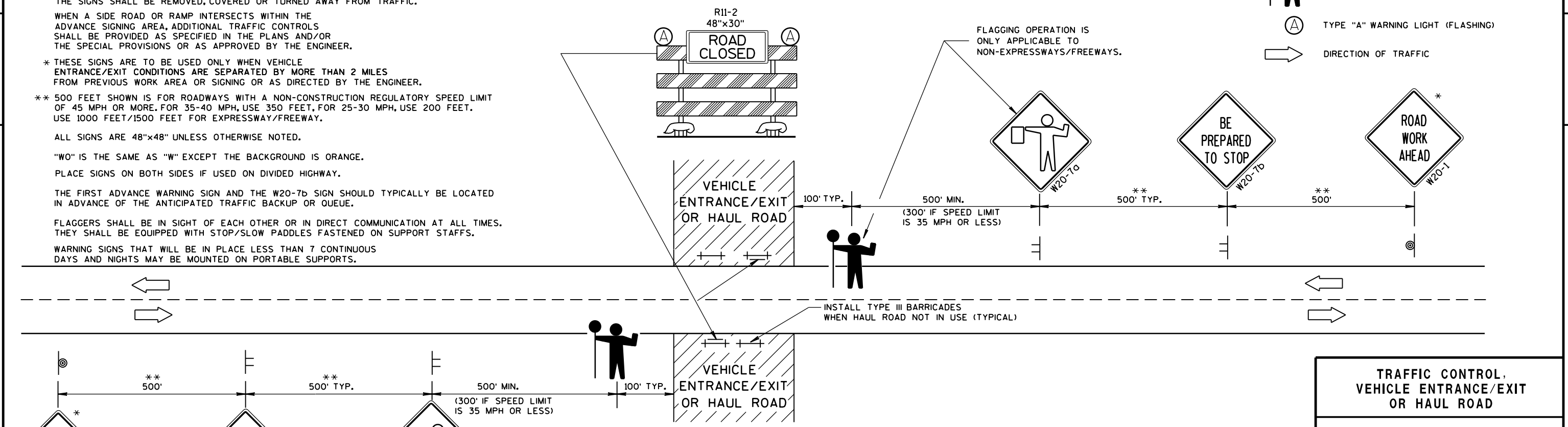
PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

THE FIRST ADVANCE WARNING SIGN AND THE W20-7b SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS.

WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

THE ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC



THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

<http://www.dot.wisconsin.gov>