

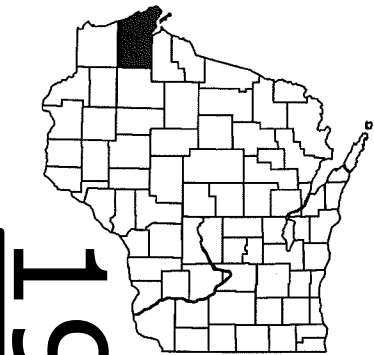
SUP AUGUST 2014
ORDER OF SHEETS

PROJECT ID: 1009-60-60
WITH:

COUNTY: BAYFIELD

- 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 Plat~~
~~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 = 19.



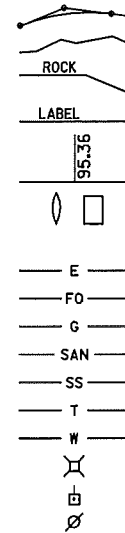
DESIGN DESIGNATION

A.A.D.T. - = NA
A.A.D.T. - = NA
D.H.V. = NA
D.D. = NA
T. = NA
DESIGN SPEED = NA
ESALS = NA

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

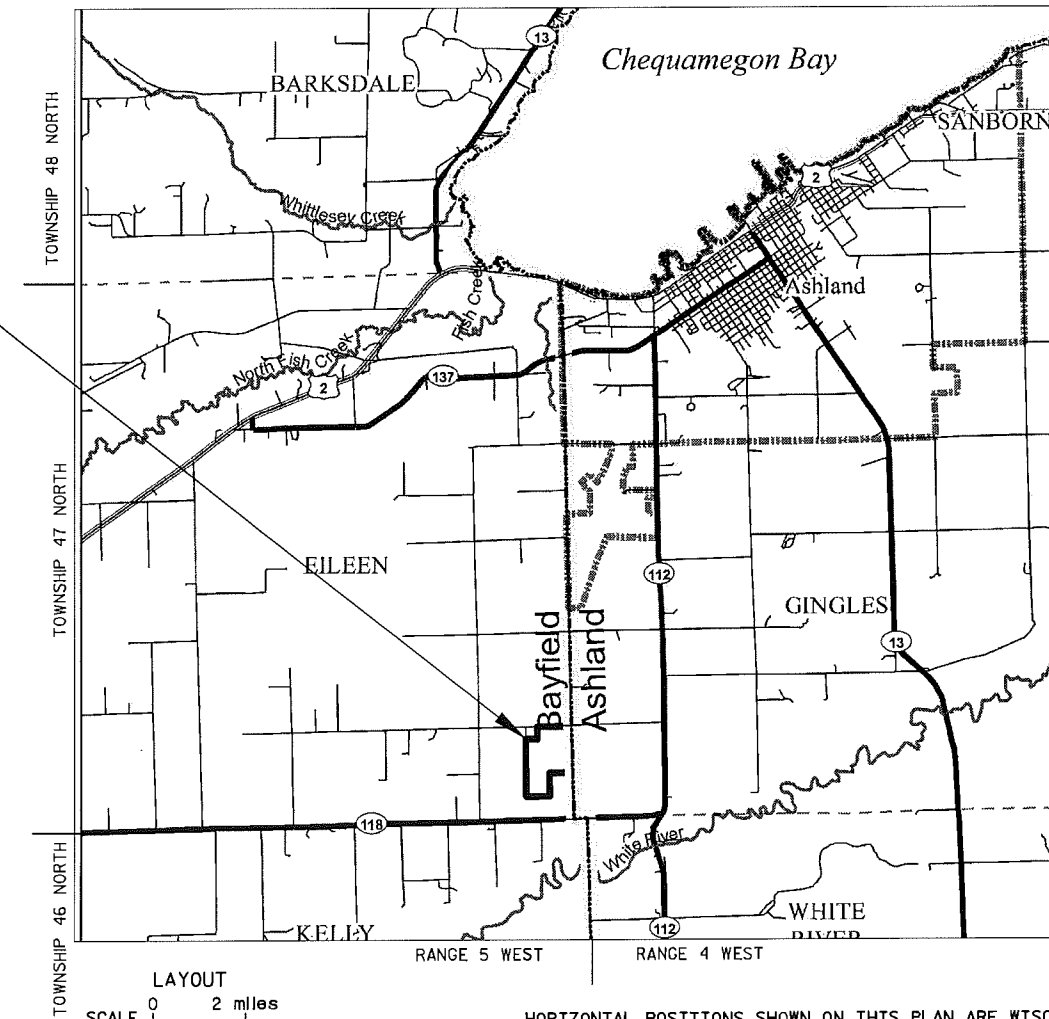
- PROFILE
GRADE LINE
ORIGINAL GROUND
MARSH OR ROCK PROFILE (To be noted as such)
SPECIAL DITCH
GRADE ELEVATION
CULVERT (Profile View)
UTILITIES
ELECTRIC
FIBER OPTIC
GAS
SANITARY SEWER
STORM SEWER
TELEPHONE
WATER
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
LOWER BAD RV, LK SUPERIOR WATERSHED
BEAR TRAP CREEK, WETLAND BANK
NON HWY
BAYFIELD

STATE PROJECT NUMBER
1009-60-60

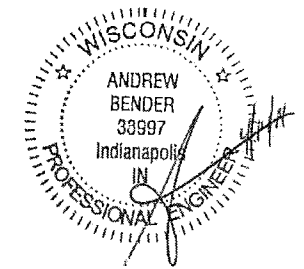
PROJECT 1009-60-60
BEAR TRAP CREEK, WETLAND BANK
X = 805290.8645N
Y = 43227.3576E
LATITUDE = N46°30'46"
LONGITUDE = W90°56'00"
SECTION 36
TOWNSHIP 47 NORTH
RANGE 5 WEST



TOTAL NET LENGTH OF CENTERLINE = NA

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, BAYFIELD COUNTY, NAD83 (2014), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-60-60		



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	WISDOT NW REGION
Designer	CARON JFNEW
Project Manager	AMY J ADRIHAN
Regional Examiner	JOHN STOLZMAN
Regional Supervisor	PAUL CDNLIN
APPROVED FOR THE DEPARTMENT	
DATE: 04/24/2014	(Signature)

LIST OF STANDARD ABBREVIATIONS

AGG.	AGGREGATE
AVG	AVERAGE
C/L	CENTER LINE
C.Y.	CUBIC YARD
DIA.	DIAMETER
DP	DITCH PLUG
ELEV.	ELEVATION
EXC	EXCAVATION
EXIST.	EXISTING
FG	FINISHED GRADE
FT.	FOOT
HT	HEIGHT
L.F.	LINEAR FOOT
L.S.	LUMP SUM
MAINT	MAINTENANCE
ML OR M/L	MATCH LINE
MATL	MATERIAL
N	NORTH
PROJ.	PROJECT
R/W	RIGHT OF WAY
RD.	ROAD
RDWY	ROADWAY
SALV	SALVAGED
SEC	SECTION
SPECS	SPECIFICATIONS
SQ FT	SQUARE FEET
SQ YD	SQUARE YARD
STD	STANDARD
TEMP	TEMPORARY
TYP	TYPICAL
VOL	VOLUME
YD	YARD

GENERAL NOTES

1. SITE SHALL BE ACCESSED VIA COUNTY LINE ROAD BORDERING THE EASTERN EDGE OF THE PROJECT SITE. REFER TO HAUL ROUTE PLAN.
2. AREAS OF DISTURBANCE SHALL BE LIMITED TO CONSTRUCTION LIMIT AREA.
3. CONTRACTOR SHALL PREVENT TRACKING SOIL AND /OR OTHER CONSTRUCTION RELATED MATERIALS ONTO THE EXISTING ROADWAY DURING CONSTRUCTION.
4. IN ORDER TO MINIMIZE COMPACTION AND RUTTING OF THE SITE, CONSTRUCTION VEHICLES TRAVELING ALONG THE HAUL ROUTES SHALL BE LIMITED IN SIZE AND WEIGHT. UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER, CONSTRUCTION VEHICLES UTILIZED FOR MATERIAL HAULING AND CONSTRUCTING THE DITCH PLUGS ALONG THE HAUL ROUTES SHALL BE TRACKED (CRAWLER CARRIERS) AND LIMITED TO THE FOLLOWING SIZES:

8'-2" (2500 mm) = MAX TRACK WIDTH (OUTSIDE TO OUTSIDE)
5.0 PSI 34.5 kPA) = MAX LOADED GROUND PRESSURE
5. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNERS AND THE DESIGN ENGINEER OF ANY CHANGES, ERRORS OR OMISSIONS FOUND ON THE PLANS OR IN THE FIELD BEFORE WORK IS STARTED OR RESUMES.
6. SUBSTITUTION OF MATERIALS MUST BE APPROVED BY THE DESIGN ENGINEER PRIOR TO INSTALLATION.

CONTACTS

DNR LIASON
DNR NORTHERN REGION HQ
810 W MAPLE STREET
SPOONER, WISCONSIN 54801
PHONE: 715.635.4228
ATTN: SHAWN HASELEU

DESIGN ENGINEER
CARDNO JFNEW
6140 COTTONWOOD DRIVE., SUITE A
FITCHBURG, WI 53562
PHONE: 608.661.2955
ATTN: NICOLE STASKOWSKI



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

WOODLAND RD

GORDYS LANE

WAKEFIELD RD



NOTES:

1. INITIAL SITE WIDE SEEDING WILL OCCUR PRIOR TO CONSTRUCTION ACTIVITIES. THESE AREAS ARE ALL OF THE RESTORED WETLANDS MINUS THE PONDS, BORROW SITES, AND PRESERVED WETLANDS.
2. FOLLOWING THIS INITIAL SEEDING, POND FILLING AND DITCH PLUGGING, SUPPLEMENTAL SEEDING WILL OCCUR ON THE HAUL ROUTES, DITCH PLUGS, FILLED-IN PONDS, AND BORROW SITES.
3. POST-EXCAVATION WEED-FREE STRAW MULCH SHALL BE PLACED ON DITCH PLUGS, HAUL ROUTE, FILLED IN PONDS, AND BORROW AREAS FOLLOWING POST-EXCAVATION SEEDING OF THESE AREAS.
4. REFER TO SPECIAL PROVISION FOR ADDITIONAL GUIDELINES INCLUDING WETLAND SEEDING SPECIFICATIONS.

SENSITIVE AREA
NO STAGING, BORROW OR
FILLING MATERIAL WITHIN
THE SITE

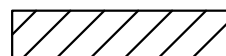
BORROW AREA 1

POND 1

CONSTRUCTION LIMITS

LEGEND

CONSTRUCTION LIMITS



INITIAL WETLAND SEEDING AREA



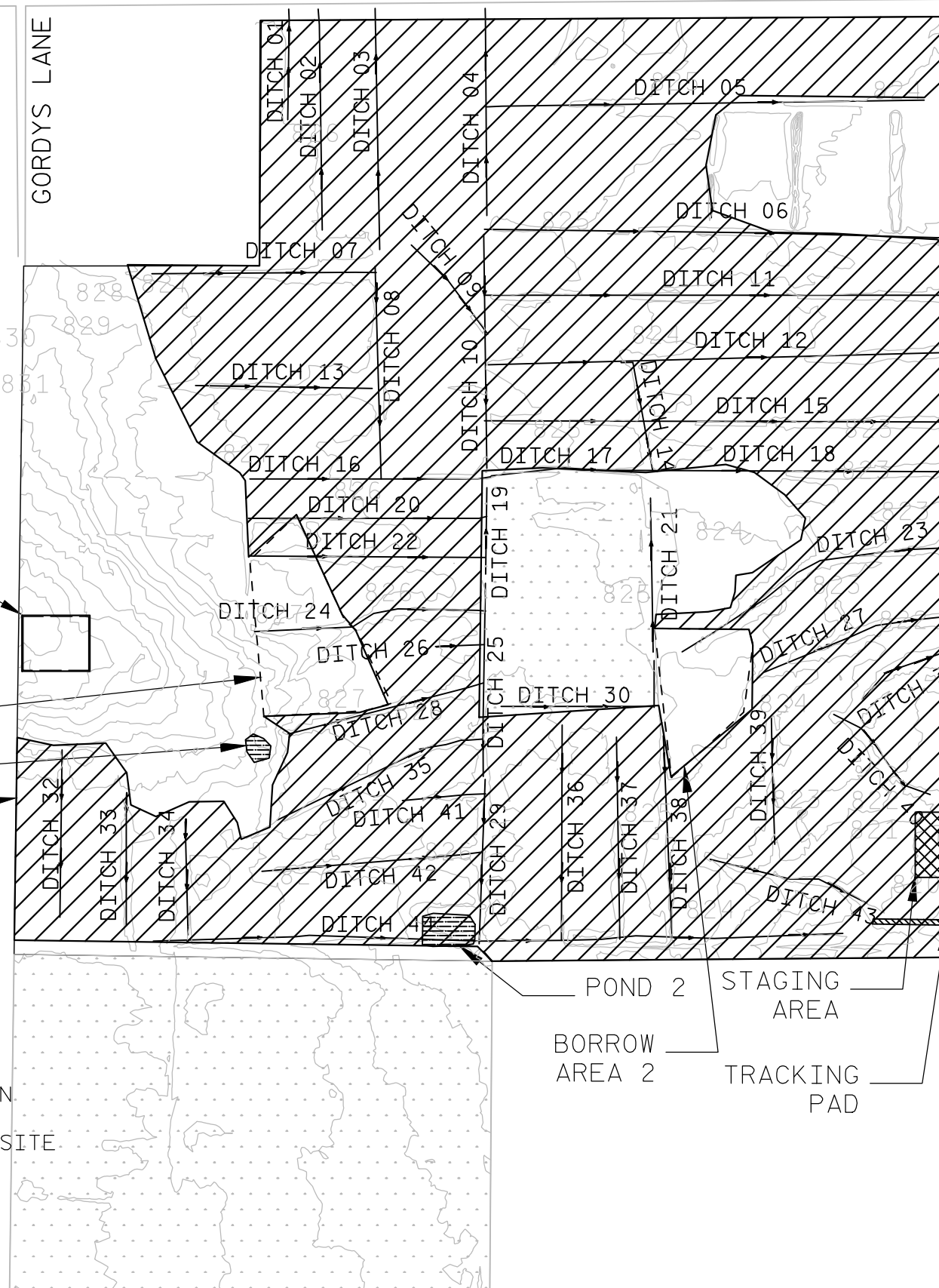
POND FILL AREA



STAGING AREA



EXISTING WETLAND PRESERVATION
AREA -NO STAGING, BORROW OR
FILLING MATERIAL WITHIN THE SITE



COUNTY LINE RD

POND 2
BORROW AREA 2
STAGING AREA
TRACKING PAD

PLANTING PLAN
BEAR TRAP WETLAND BANK
SECTION 36, TOWNSHIP 47
NORTH, RANGE 5 WEST

WOODLAND RD

GORDYS LANE

WAKEFIELD RD



NOTES:

1. DESIGNATED HAUL ROUTES ARE CONSIDERED TO BE THE 10 TO 20 FOOT AREA IMMEDIATELY ADJACENT TO EACH DITCH.
2. DEVIATION FROM HAUL ROUTES MUST BE PRE-APPROVED BY DESIGN ENGINEER.
3. REFER TO SPECIAL PROVISION FOR ADDITIONAL GUIDELINES.

COUNTY LINE RD

SENSITIVE AREA
NO STAGING, BORROW OR
FILLING MATERIAL WITHIN
THE SITE

BORROW AREA 1

POND 1

CONSTRUCTION LIMITS

LEGEND

CONSTRUCTION LIMITS

HAUL ROUTES

POND FILL AREA

STAGING AREA

EXISTING WETLAND PRESERVATION
AREA -NO STAGING, BORROW OR
FILLING MATERIAL WITHIN THE SITE

POND 2

BORROW
AREA 2STAGING
AREATRACKING
PAD

HAUL ROUTES

BEAR TRAP WETLAND BANK
SECTION 36, TOWNSHIP 47
NORTH, RANGE 5 WEST

WOODLAND RD

GORDYS LANE

WAKEFIELD RD

N

NOTES:

1. NATIVE SEED SHALL BE INSTALLED PRIOR TO EXCAVATION ACTIVITIES ON SITE AS SPECIFIED.
2. REFER TO HAUL ROUTE, PLANTING, AND EROSION CONTROL PLANS.
3. PONDS SHALL BE FILLED TO EXISTING ADJACENT GRADES PRIOR TO DITCH PLUGGING USING MATERIAL FROM BORROW AREA 1.
4. ONCE MATERIAL FROM BORROW AREA 1 IS EXHAUSTED, BORROW AREA 2 MAY BE USED.
5. DITCHES SHALL BE PLUGGED STARTING FROM DOWNSTREAM ENDS, WORKING UPSTREAM.
6. DITCH PLUGS SHALL BE FILLED NO MORE THAN 6 INCHES ABOVE EXISTING TOP-OF-BANK GRADES.
8. POST-EXCAVATION WEED-FREE STRAW MULCH SHALL BE PLACED ON DITCH PLUGS, HAUL ROUTES, FILLED IN PONDS, AND BORROW AREAS FOLLOWING POST-EXCAVATION SEEDING OF THESE AREAS.
9. DESIGNATED HAUL ROUTES ARE CONSIDERED TO BE THE 10 TO 20 FOOT AREA IMMEDIATELY ADJACENT TO DITCHES. REFER TO HAUL ROUTE PLAN.
10. SEEDING OF HAUL ROUTES, BORROW AREAS, FILLED IN PONDS, AND DITCH PLUGS WILL OCCUR AFTER ALL EARTH WORK ON SITE.
11. REFER TO SPECIAL PROVISION FOR ADDITIONAL GUIDELINES.
12. DITCH PLUG LOCATIONS SHALL BE LOCATED BY DESIGN ENGINEER PRIOR TO START OF CONSTRUCTION ACTIVITIES.
13. BORROW AREAS SHALL BE SHAPED SO THAT WHEN FINISHED THERE WILL BE NO STANDING WATER IN THE BORROW AREAS AND NO SLOPES STEEPER THAN 3:1.

SENSITIVE AREA
NO STAGING, BORROW OR
FILLING MATERIAL WITHIN
THE SITE

BORROW AREA 1

POND 1

CONSTRUCTION LIMITS

LEGEND

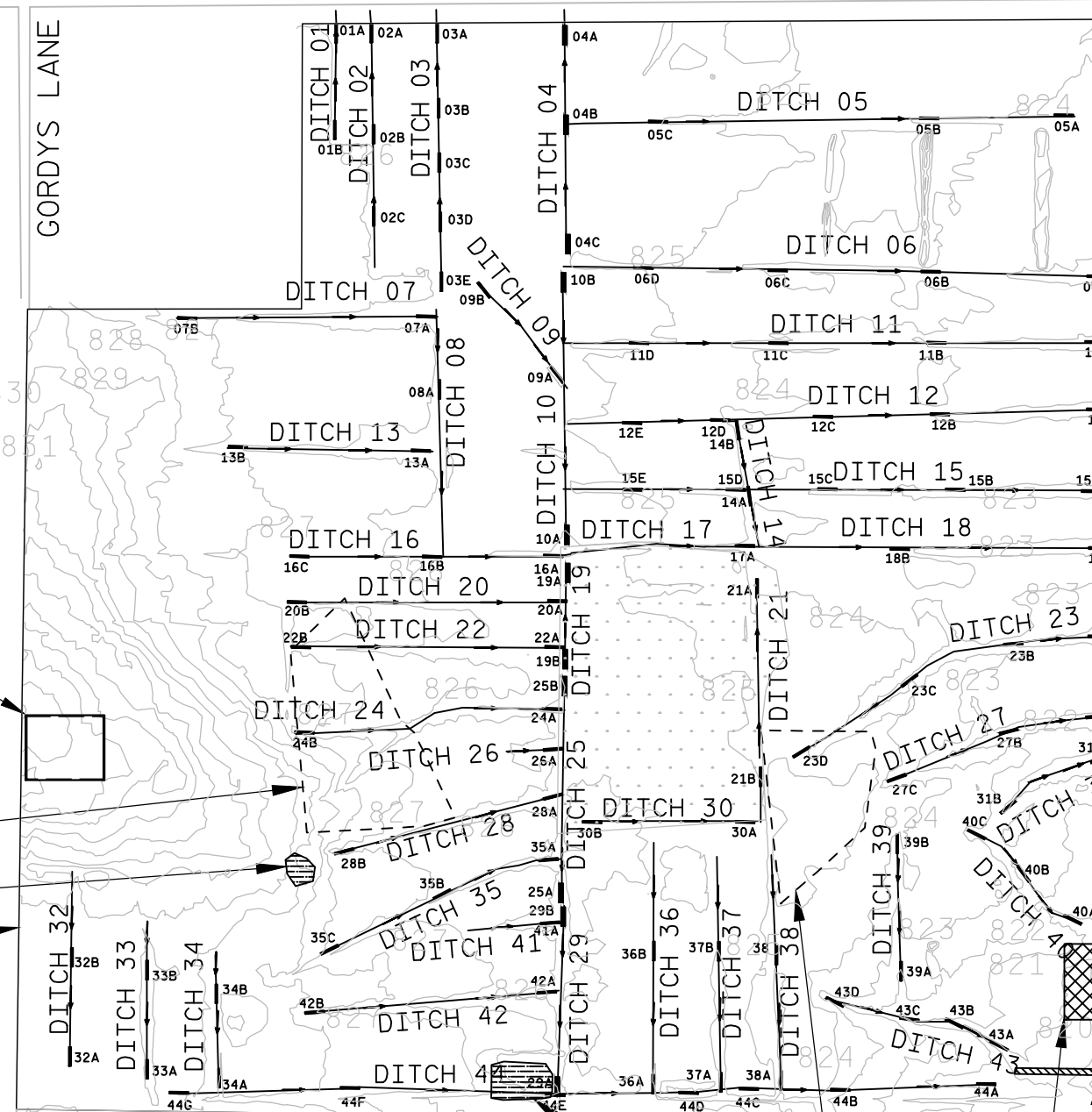
CONSTRUCTION LIMITS

DITCH PLUG LOCATION/LABEL

POND FILL AREA

STAGING AREA

EXISTING WETLAND PRESERVATION
AREA -NO STAGING, BORROW OR
FILLING MATERIAL WITHIN THE SITE



POND 2
STAGING
AREA

BORROW
AREA 2

TRACKING
PAD

PROJECT OVERVIEW
BEAR TRAP WETLAND BANK
SECTION 36, TOWNSHIP 47
NORTH, RANGE 5 WEST

WOODLAND RD

GORDYS LANE

WAKEFIELD RD



NOTES:

1. SILT FENCING TO BE INSTALLED AROUND PERIMETER OF BORROW AREAS.
2. POST-EXCAVATION WEED-FREE STRAW MULCH SHALL BE PLACED ON DITCH PLUGS, HAUL ROUTES, POND FILLING AREAS, AND BORROW AREAS.
3. REFER TO STANDARD SPECIFICATIONS FOR EROSION CONTROL.

COUNTY LINE RD

SILT FENCE
ENCOMPASSING
BORROW AREASENSITIVE AREA
NO STAGING, BORROW OR
FILLING MATERIAL WITHIN
THE SITE

BORROW AREA 1

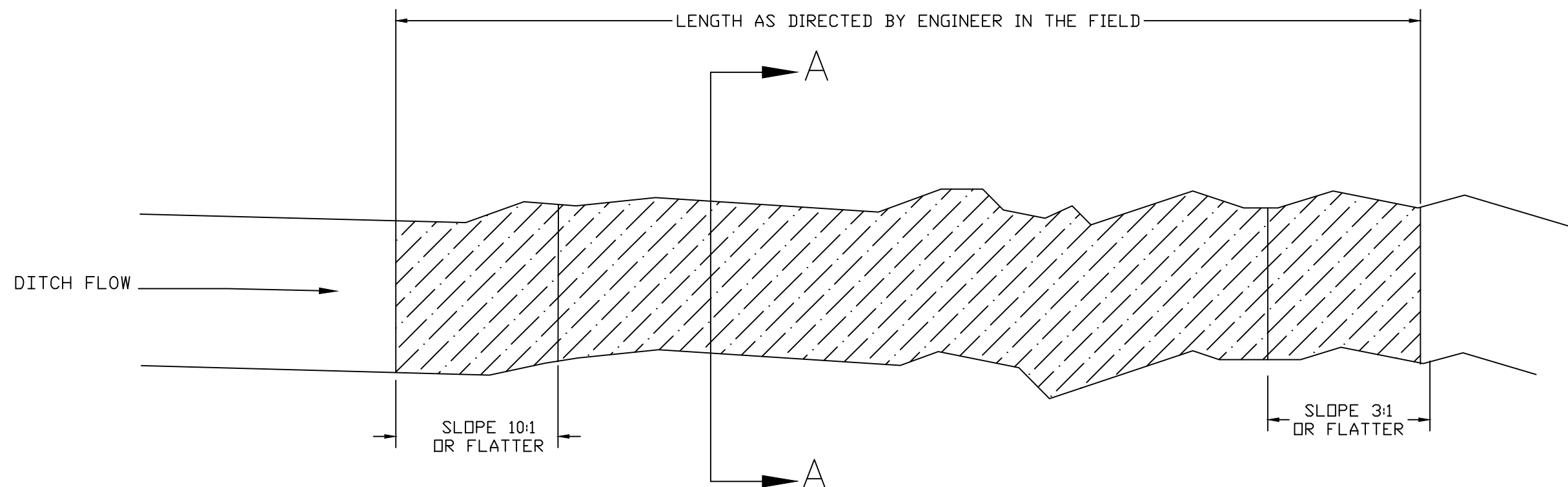
POND 1

CONSTRUCTION LIMITS

LEGEND

- CONSTRUCTION LIMITS
- SILT FENCE
- POND FILL AREA
- STAGING AREA
- EXISTING WETLAND PRESERVATION
AREA -NO STAGING, BORROW OR
FILLING MATERIAL WITHIN THE SITE
- HAUL ROUTE

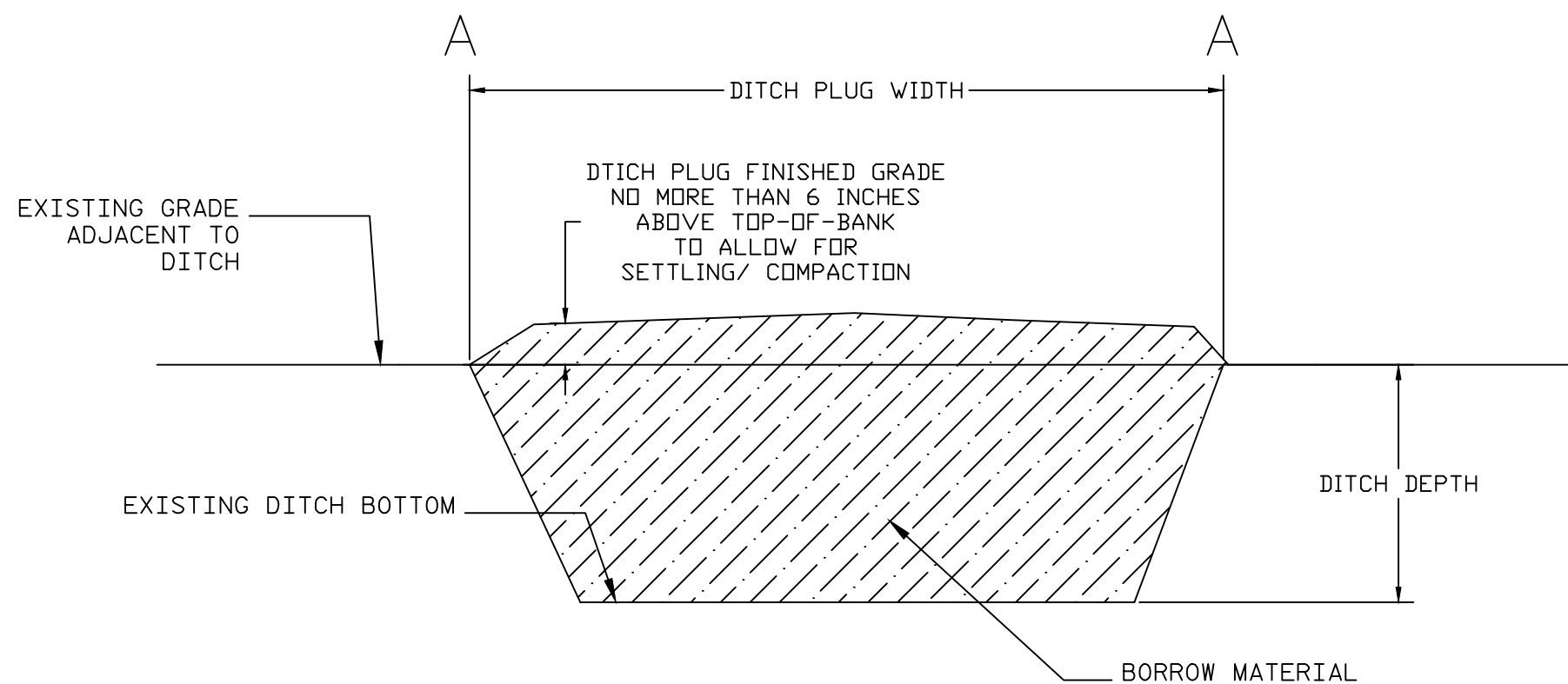
SILT FENCE
ENCOMPASSING
BORROW AREAPOND 2
BORROW AREA 2
STAGING AREA
TRACKING PADEROSION CONTROL PLAN
BEAR TRAP WETLAND BANK
SECTION 36, TOWNSHIP 47
NORTH, RANGE 5 WEST



TYPICAL DITCH PLUG PLAN VIEW

NOTES:

1. SEEDING AND MULCHING WILL OCCUR WITHIN THE DISTURBED AREA AS PART OF THE DITCH PLUG WORK.
2. REFER TO MATERIAL QUANTITIES SHEET FOR ESTIMATED FILL VOLUMES.
3. DITCH PLUGS WILL BE CONSTRUCTED AT LOCATIONS FLAGGED BY THE DESIGN ENGINEER.
4. REFER TO PROJECT OVERVIEW FOR APPROXIMATE LOCATIONS.
5. REFER TO SPECIAL PROVISIONS FOR ADDITIONAL GUIDELINES.



TYPICAL CROSS SECTION A-A AT DITCH PLUG

DATE 09JUN14			E S T I M A T E O F Q U A N T I T I E S		
LINE					1009-60-60
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	201.0115	CLEARING	ACRE	1.000	1.000
0020	201.0215	GRUBBING	ACRE	1.000	1.000
0030	205.0100	EXCAVATION COMMON	CY	100.000	100.000
0040	208.0100	BORROW	CY	5,097.000	5,097.000
0050	213.0100	FINISHING ROADWAY (PROJECT) 01. 1009-60-60	EACH	1.000	1.000
0060	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 1009-60-60	EACH	1.000	1.000
0070	619.1000	MOBILIZATION	EACH	1.000	1.000
0080	628.1504	SILT FENCE	LF	1,600.000	1,600.000
0090	628.1520	SILT FENCE MAINTENANCE	LF	1,600.000	1,600.000
0100	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	2.000	2.000
0110	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	1.000	1.000
0120	628.7560	TRACKING PADS	EACH	1.000	1.000
0130	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 1009-60-60	LS	1.000	1.000
0140	SPV.0005	SPECIAL 01. WETLAND SEEDING	ACRE	108.000	108.000
0150	SPV.0180	SPECIAL 01. CERTIFIED WEED FREE MULCH	SY	19,155.000	19,155.000

CLEARING

CATEGORY	LOCATION	201. 0115 ACRE	REMARKS
0010	BEAR TRAP WETLAND BANK	1	SEE PROJECT OVERVIEW
TOTAL 0010		1	

GRUBBING

CATEGORY	LOCATION	201. 0215 ACRE	REMARKS
0010	BEAR TRAP WETLAND BANK	1	SEE PROJECT OVERVIEW
TOTAL 0010		1	

EXCAVATION COMMON

CATEGORY	LOCATION	205. 0100 CY	REMARKS
0010	BEAR TRAP WETLAND BANK	100	AS NEEDED IN DITCHING AND STAGING AREAS
TOTAL 0010		100	

SILT FENCE

CATEGORY	LOCATION	628. 1504 LF	REMARKS
0010	BEAR TRAP WETLAND BANK	1600	SEE EROSION CONTROL FOR PLACEMENT LOCATIONS
TOTAL 0010		1600	

SILT FENCE MAINTENANCE

CATEGORY	LOCATION	628. 1520 LF	REMARKS
0010	BEAR TRAP WETLAND BANK	1600	SEE EROSION CONTROL FOR MAINTENANCE LOCATIONS
TOTAL 0010		1600	

MOBILIZATIONS EROSION CONTROL

CATEGORY	LOCATION	628. 1905 EACH	REMARKS
0010	BEAR TRAP WETLAND BANK	2	
TOTAL 0010		2	

MOBILIZATIONS EMERGENCY EROSION CONTROL

CATEGORY	LOCATION	628. 1910 EACH	REMARKS
0010	BEAR TRAP WETLAND BANK	1	
TOTAL 0010		1	

TRACKING PADS

CATEGORY	LOCATION	628. 7560 EACH	REMARKS
0010	BEAR TRAP WETLAND BANK	1	SEE HAUL ROUTE FOR TRACKING PAD LOCATION
TOTAL 0010		1	

BORROW				
CATEGORY	DITCH NUMBER	NUMBER OF SMALL PLUGS	208. 0100 CY	REMARKS
0010	1	2	25	
0010	2	3	38	
0010	3	5	63	
0010	5	3	38	
0010	6	4	50	
0010	7	2	25	
0010	8	1	13	
0010	9	2	25	
0010	11	4	50	
0010	12	5	63	
0010	13	2	25	
0010	14	2	25	
0010	15	4	50	
0010	16	3	38	
0010	17	1	13	
0010	18	2	25	
0010	20	2	25	
0010	21	2	25	
0010	22	2	25	
0010	23	4	50	
0010	24	2	25	
0010	26	1	13	
0010	27	3	38	
0010	28	2	25	
0010	30	2	25	
0010	31	2	25	
0010	32	2	25	
0010	33	2	25	
0010	34	2	25	
0010	35	3	38	
0010	36	2	25	
0010	37	2	25	
0010	38	2	25	
0010	39	2	25	
0010	40	3	38	
0010	41	1	13	
0010	42	2	25	
0010	43	4	50	
0010	44	7	88	
SUBTOTAL			1269	

CONTI NUDED

BORROW CONT'				
CATEGORY	DITCH NUMBER	NUMBER OF LARGE PLUGS	208. 0100 CY	REMARKS
0010	4	3	75	
0010	10	2	50	
0010	19	2	50	
0010	25	2	50	
0010	29	2	50	
SUBTOTAL			275	
PONDS				
0010	POND 1		854	
0010	POND 2		2699	
SUBTOTAL			3553	
TOTAL 0010			5097	

SPECIAL(01. CERTIFIED WEED FREE MULCH)

		SPV. 0180(01)	REMARKS
CATEGORY	LOCATION	SY	
0010	BEAR TRAP WETLAND BANK	19155	SEE EROSION CONTROL SHEET FOR PLACEMENT AREAS
TOTAL 0010		19155	

SPECIAL(01. WETLAND SEEDING)

		SPV. 0005(01)	REMARKS
CATEGORY	LOCATION	ACRE	
0010	BEAR TRAP WETLAND BANK	108	SEE PLANTING PLAN FOR PLACEMENT AREA
TOTAL 0010		108	

Standard Detail Drawing List

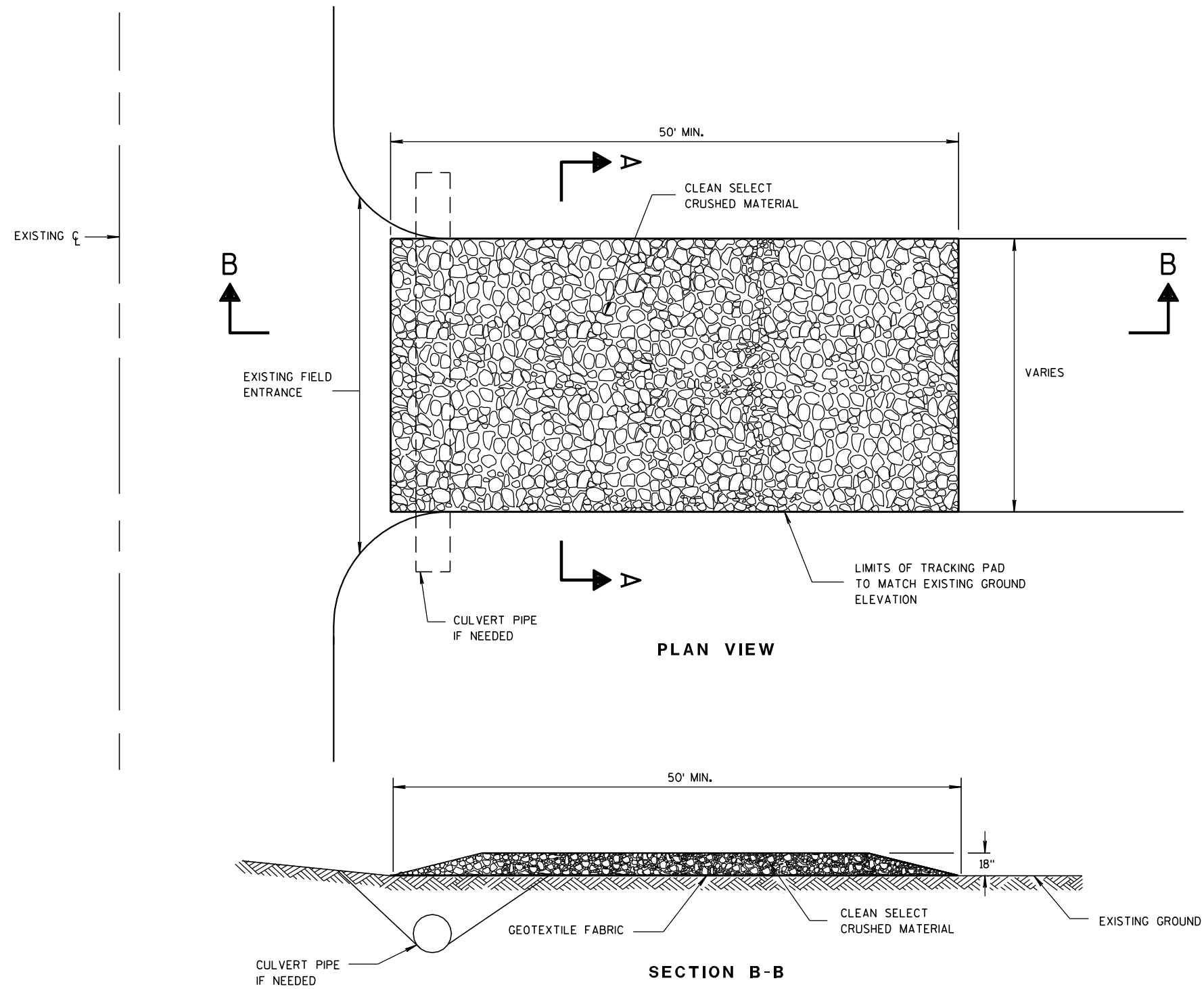
08E09-06	SILT FENCE
08E14-01	TRACKING PAD



- 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 1½" X 1½" 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.



<p style="text-align: center;">SILT FENCE</p>	
<p style="text-align: center;">STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION</p>	
<p>APPROVED</p> <p><u>4-29-05</u></p> <p><u>DATE</u></p>	<p><u>/S/ Beth Canestra</u></p> <p>CHIEF ROADWAY DEVELOPMENT ENGINEER</p>



TRACKING PAD

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.

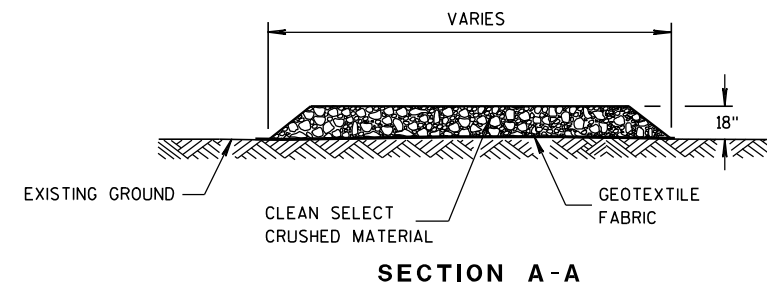
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011

DATE

FHWA

/S/ Jerry H. Zogg

ROADWAY STANDARDS DEVELOPMENT

ENGINEER



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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