CONSTRUCTION PLANS

FOR

KEMPER DITCH, ARM 18
DRAIN TILE RECONSTRUCTION

PORTER CO. DEPARTMENT OF DEVELOPMENT & STORM WATER MANAGEMENT
NOVEMBER 14, 2024

The following Construction Plans shall apply to and govern the project designated as **Kemper Ditch, Arm 18 - Drain Tile Reconstruction.** Such Construction Plans supplement the specifications contained in the documents listed in the table below and, in case of conflict with any part or parts of said specifications, the Engineer shall determine which specifications shall take precedence and govern. The following hierarchy will be applied by the Engineer in resolving any conflict, error, ambiguity, or discrepancy in or between said specifications.

Specification	Issuing Agency	Adopted/Dated
Special Provisions for Kemper Ditch, Arm 18 – Drain Tile Reconstruction	Porter Co. Department of Development & Storm Water Management	November 14, 2024
Technical Specifications for Kemper Ditch, Arm 18 - Drain Tile Reconstruction	Porter Co. Department of Development & Storm Water Management	November 14, 2024
Construction Plans for Kemper Ditch, Arm 18 - Drain Tile Reconstruction	Porter Co. Department of Development & Storm Water Management	November 14, 2024
General Specifications to the Construction & Maintenance Services Agreements	Porter Co. Department of Development & Storm Water Management	February 1, 2024

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PORTER CO. DEPT. OF DEVELOPMENT & STORM WATER MANAGEMENT
KEMPER DITCH, ARM 18 DRAIN TILE RECONSTRUCTION
PORTER COUNTY, IN

OWNER:
PORTER CO. DEPT. OF DEVELOPMENT &
STORM WATER MANAGEMENT
ATTN: CHELSEY R. GORDON, P.E.
155 INDIANA AVE. STE. 311
VALPARAISO, IN 46383
P: (219) 465-3530

ENGINEER:
PORTER CO. DEPT. OF DEVELOPMENT &
STORM WATER MANAGEMENT
ATTN: CHELSEY R. GORDON, P.E.
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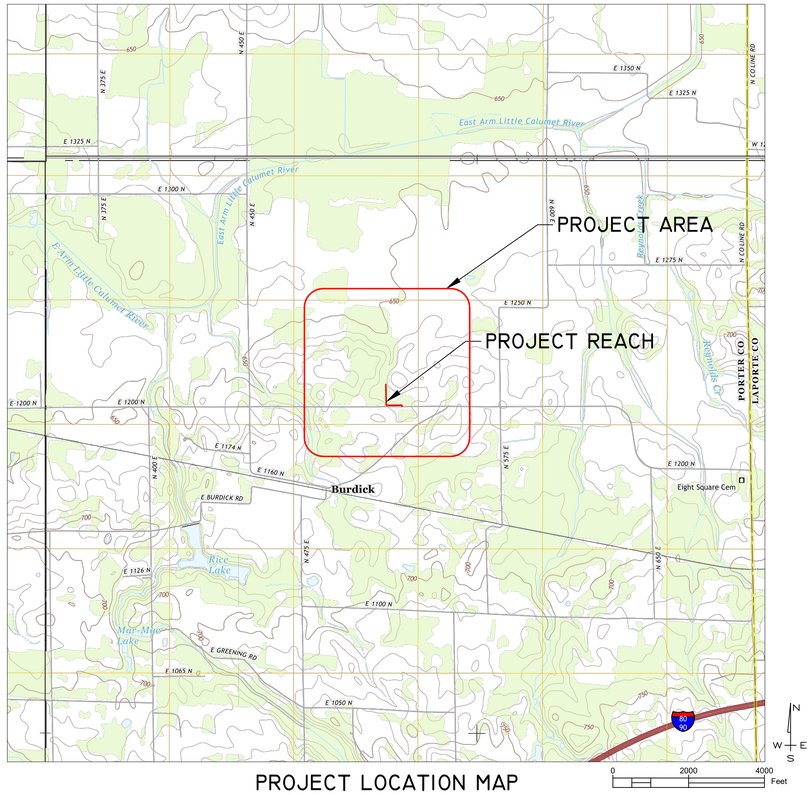

PROJECT LOCATION MAP

SHEET INDEX:

I, THE UNDERSIGNED, A PROFESSIONAL ENGINEER REGISTERED WITH THE STATE OF INDIANA, WHOSE LICENSE IS IN GOOD STANDING, HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.

_____
CHELSEY R. GORDON, PE
INDIANA LICENSED PROFESSIONAL ENGINEER NO. PE12100019
EXPIRES 7/31/2026

APPROVED FOR CONSTRUCTION BY: _____
CHELSEY R. GORDON, PE
STORM WATER PROGRAM MANAGER

NO.	DATE	REVISION	BY
1	11/14/24	FOR BIDDING	CRG

DESIGNED:	CRG
DRAWN:	CRG
CHECKED:	CRG
DATE:	05/07/24
PROJECT NO.:	P25-003

The Department of DEVELOPMENT & STORM WATER MANAGEMENT
Porter County, Indiana

PROJECT: KEMPER DITCH, ARM 18 DRAIN TILE RECONSTRUCTION
LOCATION: CR 1200 N
SHEET TITLE: SHEET 1 - COVER

SHEET NO.:
1 OF 5

G:\STORM WATER\2022 STORM WATER MANAGEMENT\2022 PROJECTS\ENGINEERING\KEMPER DITCH, ARM 18\KEMPER DITCH, ARM 18.DWG

PROPOSED CULVERT, 12" CMP, 12 GA, TYPE II, ALUMININIZED. 35 LF. 0.2%.

ROAD CUT & REPAIR. 25 SY.

INV., 12" CMP=665.65

GRADING DITCHES & SWALES. 75 LF. 0.6%. 1 FT BOTTOM WIDTH. MAX 3:1 (H:V) SIDE SLOPES. BLEND TOP OF BANK WITH EX. ADJ. GRADE.

ST-02
STA. 8+86
STORM SEWER STRUCTURE, TYPE 1
NF R-2561 GRATE
RIM = 665.20
FLOOR = 662.72
INV., W (12" RIGID/SEMI-RIGID) = 662.72

DELINEATED WETLAND BOUNDARY

RESTORE DISTURBED AREA WITH TOPSOIL, FERTILIZER, SEED, & STRAW MULCH PER TECHNICAL SPECIFICATIONS. MATCH EXISTING GRADE.

12" RIGID/SEMI-RIGID. 332 LF. 0.19%.

STRIP TOPSOIL FROM SURFACE PRIOR TO EXCAVATION. SPREAD 6" TOPSOIL OVER SURFACE FOLLOWING EXCAVATION AND FINAL BACKFILL.

TEMP. PERIMETER SEDIMENT CONTROL. SILT FENCE OR SILTWORM. 870 LF.

INV., 12" CMP=665.72

APPROX. LOCATION EX. UTILITIES. PROTECT.

TEMPORARY CATCH BASIN INSERT INLET PROTECTION.

TEMPORARY CONSTRUCTION ENTRANCE. REMOVE PRIOR TO INSTALLATION OF ST-01. RESTORE DISTURBED AREA.

ST-01
STA. 5+54
STORM SEWER STRUCTURE, TYPE 1
NF R-1642 GRATE
RIM = 668.67
FLOOR = 661.98
INV., N (12" RIGID/SEMI-RIGID) = 661.98
INV., E (12" RIGID/SEMI-RIGID) = 662.08

TEMP. PERIMETER SEDIMENT CONTROL. SILT FENCE OR SILTWORM. 570 LF.

CONTRACTOR TO VERIFY EXISTING GRADE ELEVATIONS PRIOR TO THE COMMENCEMENT OF WORK.

RESTORE DISTURBED AREA WITH TOPSOIL, FERTILIZER, SEED, & STRAW MULCH PER TECHNICAL SPECIFICATIONS. MATCH EXISTING GRADE.

FORESTED WETLAND CROSS SECTION

40 FT DRAINAGE EASEMENT.

DELINEATED WETLAND BOUNDARY

12" RIGID/SEMI-RIGID. 548 LF. 0.18%.

CLEARING & TREE REMOVAL. 0.3 AC. (BY OTHERS).

OUTFALL CROSS SECTION

CONTRACTOR TO VERIFY EXISTING ELEVATION PRIOR TO THE START OF WORK. CONTRACTOR TO VERIFY OUTLET LOCATION BASED ON EXISTING ELEVATION DATA.

EX. ADJ. GRADE = 661 (LIDAR)

DELINEATED WETLAND BOUNDARY

ROCK APRON. 20 SY.

INV. (12" RIGID/SEMI-RIGID) FES= 661.00

30 FT

CR 1200 N

0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 8+93

N W E S

0 40 80 Feet

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The Department of DEVELOPMENT & STORM WATER MANAGEMENT
Porter County, Indiana

PROJECT: KEMPER DITCH, ARM 18 DRAIN TILE RECONSTRUCTION

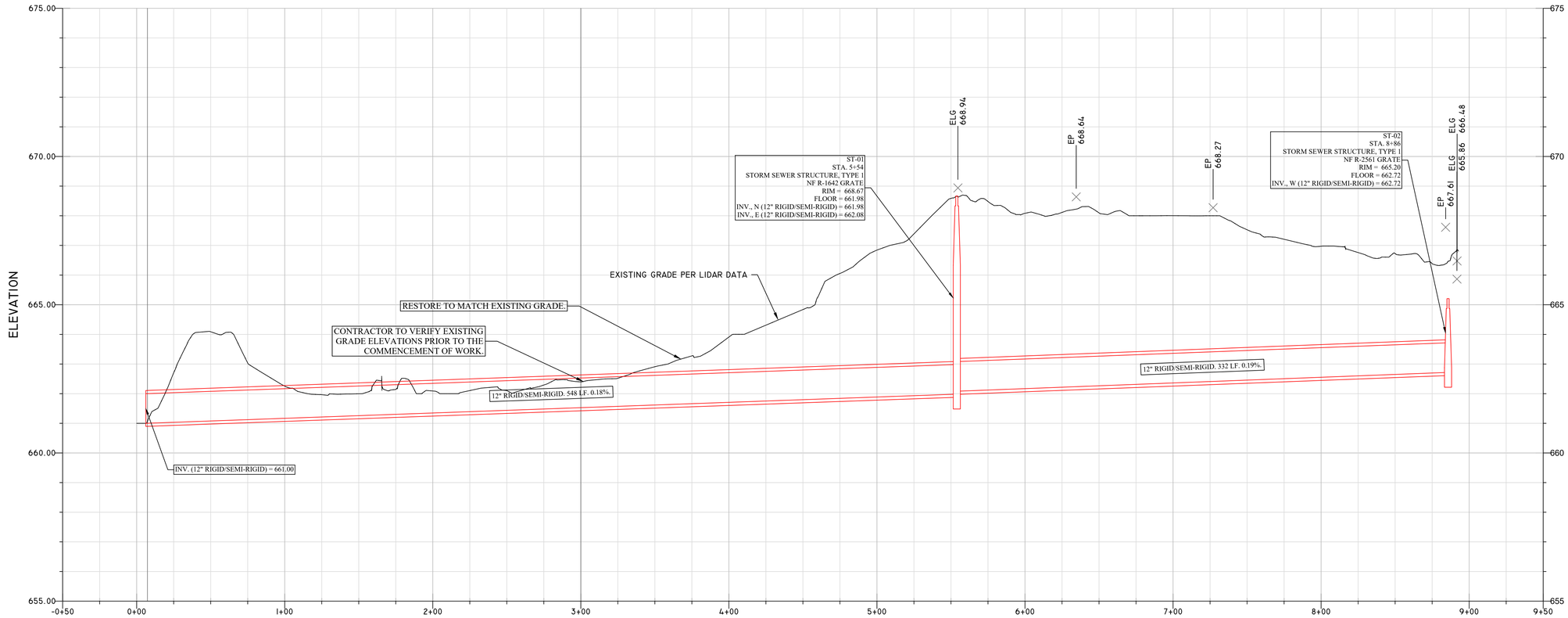
LOCATION: CR 1200 N

SHEET TITLE: SHEET 2-PLAN

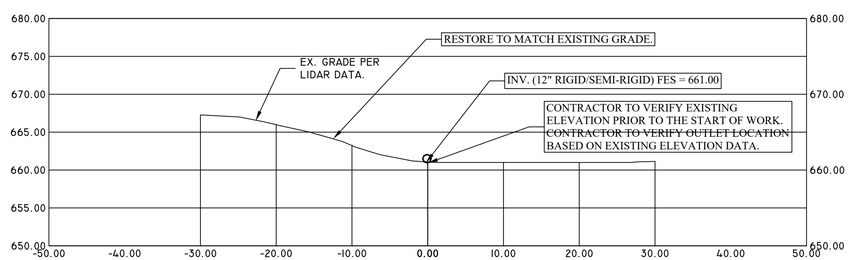
SHEET NO.: 2 OF 5

G:\STORM WATER\2022 STORM WATER MANAGEMENT\2022 PROJECTS\ENGINEERING\KEMPER DITCH, ARM 18\KEMPER DITCH, ARM 18.DWG

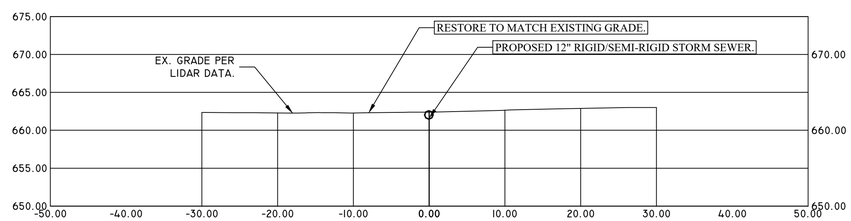
PROFILE VIEW OF KEMPER DITCH ARM I8



OUTFALL CROSS SECTION



FORESTED WETLAND CROSS SECTION



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Porter County, Indiana

PROJECT: KEMPER DITCH, ARM I8 DRAIN TILE RECONSTRUCTION

LOCATION: CR 1200 N

SHEET TITLE: SHEET 3-PROFILE

SHEET NO.:

3 OF 5

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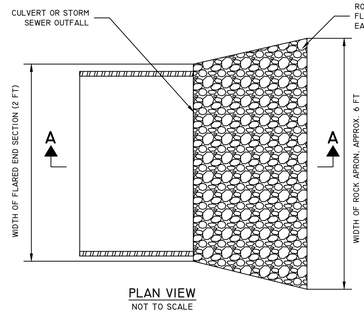
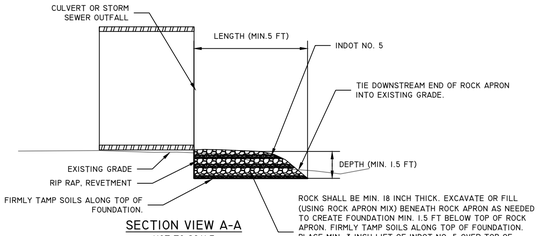


ROCK APRON MIX

67% OF ROCK APRON MIX = RIP RAP, REVETMENT

33% OF ROCK APRON MIX = INDOT NO. 5 COARSE AGGREGATE

PLAN VIEW
NOT TO SCALE



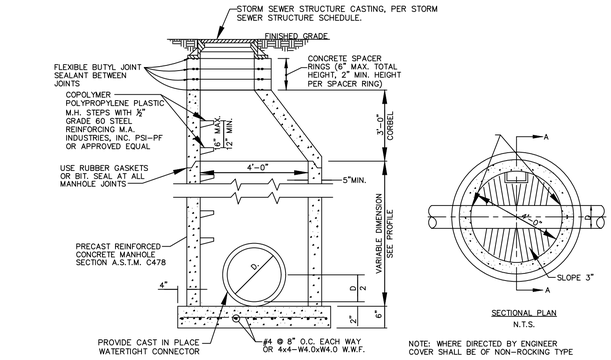
SECTION VIEW A-A
NOT TO SCALE

ROCK SHALL BE MIN. 18 INCH THICK. EXCAVATE OR FILL (USING ROCK APRON MIX) BENEATH ROCK APRON AS NEEDED TO CREATE FOUNDATION MIN. 1.5 FT BELOW TOP OF ROCK APRON. FIRMLY TAMP SOILS ALONG TOP OF FOUNDATION. PLACE MIN. 3 INCH LIFT OF INDOT NO. 5 OVER TOP OF FOUNDATION. PLACE ALTERNATING LIFTS OF RIP RAP, REVETMENT, INDOT NO. 5, AND RIP RAP REVETMENT AS NEEDED TO ACHIEVE LINES AND GRADES SHOWN.

INSTALLATION

1. EXCAVATION OR FILL (USING ROCK APRON MIX) BENEATH ROCK APRON AS NEEDED TO CREATE FOUNDATION MIN. 1.5 FT BELOW TOP OF APRON.
2. FIRMLY TAMP ALONG TOP OF FOUNDATION.
3. PLACE MIN. 3 INCH LIFT OF INDOT NO. 5 OVER TOP OF FOUNDATION.
4. PLACE ALTERNATING LIFTS OF RIP RAP, REVETMENT, INDOT NO. 5, AND RIP RAP, REVETMENT AS NEEDED TO ACHIEVE LINES AND GRADES SHOWN. INDOT NO. 5 SHALL FILL VOID SPACE BETWEEN LARGER STONE IN RIP RAP, REVETMENT.
5. BLEND ROCK APRON INTO EX. ADJ. GRADE.
6. RESTORE DISTURBED AREAS ADJ. TO ROCK APRON PER TECHNICAL SPECIFICATIONS.

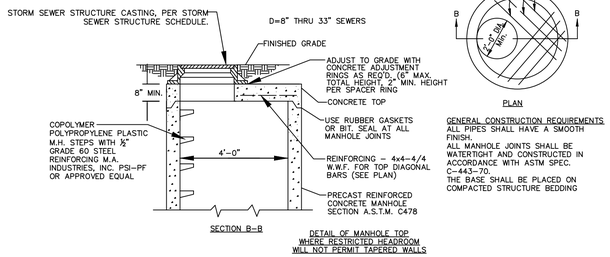
ROCK APRON



SECTIONAL A-A
N.T.S.

SECTIONAL PLAN
N.T.S.

NOTE: WHERE DIRECTED BY ENGINEER COVER SHALL BE OF NON-ROCKING TYPE

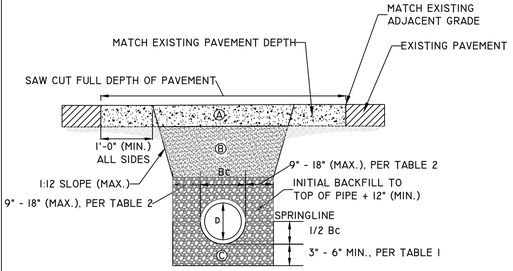


SECTION B-B

GENERAL CONSTRUCTION REQUIREMENTS
ALL PIPES SHALL HAVE A SMOOTH FINISH.
ALL MANHOLE JOINTS SHALL BE WATERTIGHT AND CONSTRUCTED IN ACCORDANCE WITH ASTM SPEC. C-443-70.
THE BASE SHALL BE PLACED ON COMPACTED STRUCTURE BEDDING

DETAIL OF MANHOLE TOP WHERE RESTRICTED HEADROOM WILL NOT PERMIT TAPERED WALLS

STORM SEWER STRUCTURE, TYPE 1



LEGEND

Ⓐ FULL DEPTH HMA REPAIR, SEE DETAIL.

Ⓑ TRENCH BACKFILL. BACKFILL IN 8" LIFTS (MAX.) & COMPACT IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS.

Ⓒ CRUSHED STONE OR GRAVEL INDOT NO. 5, NO. 8, OR NO. 9 COARSE AGGREGATE WITH A 50% MECHANICAL CRUSH COUNT.

Bc PIPE OUTSIDE DIAMETER

NOTES:

1. ALL BEDDING, INITIAL BACKFILL, & FINAL BACKFILL SHALL BE INSTALLED IN 8" LIFTS (MAX.) & COMPACTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS. BEDDING & INITIAL BACKFILL MATERIAL SHALL BE HAND PLACED AROUND THE HAUNCH AND SIDES OF THE PIPE TO ENSURE PROPER COMPACTION AND COMPLETE FILLING OF ALL VOIDS.

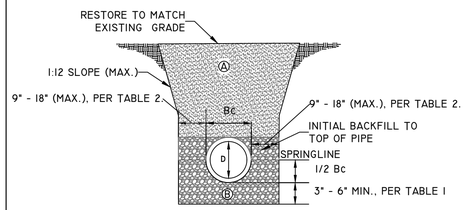
TABLE 1

DEPTH OF BEDDING BELOW PIPE	
D	BEDDING (MIN.)
D < 24IN.	3 IN.
24 IN. ≤ D ≤ 60 IN.	4 IN.
D > 60 IN.	6 IN.

TABLE 2

WIDTH OF TRENCH, EACH SIDE OF PIPE	
D	WIDTH (MAX.)
D < 24IN.	9 IN.
24 IN. ≤ D ≤ 60 IN.	12 IN.
D > 60 IN.	18 IN.

ROAD CUT & REPAIR



LEGEND

Ⓐ UNDER PAVEMENT AND/OR WITHIN 2 FT OF PAVEMENT, TRENCH BACKFILL SHALL BE USED. ELSEWHERE, SUITABLE EXCAVATED MATERIAL MAY BE USED. INSTALL FINAL BACKFILL & COMPACT IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.

Ⓑ CRUSHED STONE OR GRAVEL INDOT NO. 5, NO. 8, OR NO. 9 COARSE AGGREGATE WITH A 50% MECHANICAL CRUSH COUNT.

Bc PIPE OUTSIDE DIAMETER

NOTES:

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WIDTH OF TRENCH, EACH SIDE OF PIPE	
D	WIDTH (MAX.)
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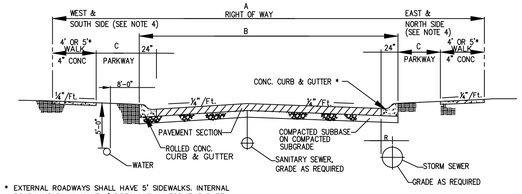
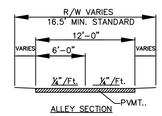
DRAIN TILE BEDDING AND BACKFILL



* EXTERNAL ROADWAYS SHALL HAVE 5' SIDEWALKS. INTERNAL ROADWAYS SHALL HAVE 4' SIDEWALKS UNLESS IT IS PART OF A MAJOR PATHWAY OR PEDESTRIAN NETWORK.

CLASSIFICATION	MIN. GRADE	MAX. GRADE	MIN. SIGHT DISTANCE*
ARTERIAL	0.5%	6.0%	500'
COLLECTOR STREET	0.5%	6.0%	300'
LOCAL STREET, BOULEVARD	0.5%	8.0%	150'
ALLEY	0.5%	8.0%	--

* OR CALCULATED STOPPING SIGHT DISTANCE PER AASHTO IF GREATER



ALLEY SECTION

MINIMUM PAVEMENT THICKNESS					
CLASSIFICATION	HMA SURFACE	HMA BINDER	AGG. BASE (SUBBASE)	GEOGRID REQ'D	
ARTERIAL	1 ½"	3"	20"	YES	
COLLECTOR STREET	1 ½"	3"	12"	YES	
LOCAL STREET, BOULEVARD	1 ½"	2 ½"	10"	YES	
ALLEY **	1 ½"	2 ½"	8"	YES	

** NEW OR RECONSTRUCTED.

CLASSIFICATION	A	B	C	MIN. CURVE RADIUS	MIN. TANGENT	NOTES
ARTERIAL	80'	*	*	500**	100'	SIDEWALKS MAY BE REQUIRED*
COLLECTOR	80'	*	17.5'	300**	60'	SIDEWALKS REQUIRED
BOULEVARD (ONE WAY)	*	20'-11		200**	40'	SIDEWALKS REQUIRED
LOCAL (RESIDENTIAL)	60'	32'-11		100**	40'	SIDEWALKS REQUIRED
ALLEY	16.5'	12'	N/A	N/A	N/A	NO SIDEWALK
FRONTAGE	40'	24'	*	100**	40'	SIDEWALKS MAY BE REQUIRED* 4' SHLDR., NO PARKING
FRONTAGE	40'	28'	*	100**	40'	SIDEWALKS MAY BE REQUIRED* 4' SHLDR., ONE SIDE PARKING

* PORTER COUNTY ENGINEERING DEPARTMENT DETERMINATION
** MINIMUM TANGENT OF 100' SHALL SEPARATE ALL REVERSE CURVES.

NOTES:

1. UNDERDRAINS SHALL BE PROVIDED AT LOW POINTS.
2. INDUSTRIAL STREETS SHALL HAVE MINIMUM ROADWAY DIMENSIONS AS LOCAL STREETS. MINIMUM PAVEMENT SECTION SHALL BE SAME AS LOCAL STREETS, BUT A THICKER SECTION SHALL BE USED IF TRAFFIC NEEDS AND SOIL CONDITIONS WARRANT. DESIGN AND CALCULATIONS SHALL BE PROVIDED BY REGISTERED PROFESSIONAL ENGINEER.
3. FRONTAGE ROADS SHALL HAVE MINIMUM R/W WIDTH OF 40'.
4. VARIATIONS TO THE EAST, WEST, NORTH, SOUTH RULE MAY BE APPROVED ON CASE-BY-CASE BASIS.
5. HOUSE TELEPHONE DROPS SHALL BE 24" DEEP.

FULL DEPTH HMA REPAIR

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PROJECT NO.:	N/A

The Department of DEVELOPMENT & STORM WATER MANAGEMENT
Porter County, Indiana

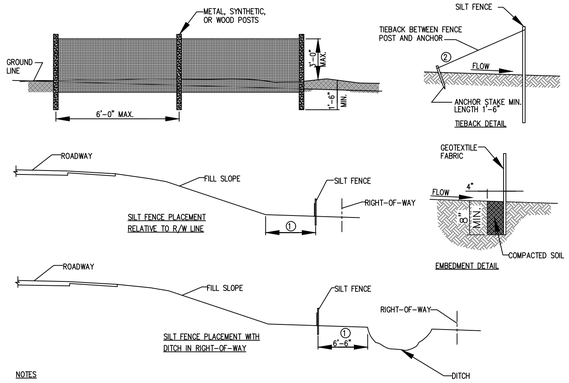
PROJECT: KEMPER DITCH, ARM 18 DRAIN TILE RECONSTRUCTION

LOCATION: CR 1200 N

SHEET TITLE: SHEET 4-DETAILS

SHEET NO.: 4 OF 5

G:\STORM WATER\2022 STORM WATER MANAGEMENT\2022 PROJECTS\ENGINEERING\KEMPER DITCH, ARM 18 REVISION\KEMPER DITCH, ARM 18.DWG



NOTES

① DIMENSIONS WILL VARY BASED ON RIGHT-OF-WAY AVAILABILITY. SILT FENCE SHALL BE PLACED AS CLOSE AS POSSIBLE TO EDGE OF CONSTRUCTION LIMITS.

② THE SPACING OF THE TIEBACKS SHALL EQUAL THE SPACING OF THE POSTS. ADDITIONAL POST DEPTH OR TIEBACKS MAY BE REQUIRED IN UNSTABLE SOILS.

INSTALLATION

1. THE SILT FENCE SHALL BE ATTACHED TO HARDWOOD STAKES WITH HARDWOOD LATHS AND SECURED WITH FIVE 1-1/2" STAPLES. HARDWOOD STAKES SHALL BE 6' ON CENTER. THE BOTTOM 12" OF FABRIC SHALL BE LEFT UNSECURED TO ALLOW FOR ENTRENCHMENT.
2. A 6" DEEP TRENCH ALONG PROPOSED FENCE LINE SHALL BE CREATED. DRIVE THE STAKES INTO THE TRENCH 8-12" OR UNTIL SECURE. BE SURE TO STRETCH FABRIC TAUT WHEN DRIVING STAKES. STAKES MUST BE INSTALLED ON THE DOWNHILL OR DOWNSTREAM SIDE OF FENCE. DRAPE LOOSE END OF GEOTEXTILE INTO TRENCH, THEN BACKFILL AND COMPACT ON BOTH SIDES.
3. LIMITED TO ½ ACRE PER 100 LINEAR FEET OF FENCE.
4.

% SLOPE	MAX DISTANCE
<.50:1	100 FEET
50:1 TO 20:1	75 FEET
>20:1	PROVIDE SURFACE STABILIZATION

5. INSTALL PARALLEL TO THE SLOPE CONTOUR.
6. DO NOT USE FOR SHALLOW CONCENTRATED OR CHANNEL FLOW.

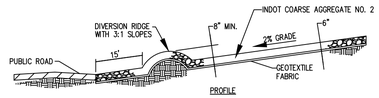
MAINTENANCE

1. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.
2. IF FENCE FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY. NOTE: ALL REPAIRS SHOULD MEET SPECIFICATIONS AS OUTLINED BY THE MANUFACTURER.
3. REMOVE DEPOSITED SEDIMENT WHEN IT IS CAUSING THE FILTER FABRIC TO BULGE OR WHEN IT REACHES ONE-HALF THE HEIGHT OF THE FENCE AT ITS LOWEST POINT. WHEN CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND SEDIMENT DEPOSITS, GRADE THE SITE TO BLEND WITH THE SURROUNDING AREA, AND STABILIZE.

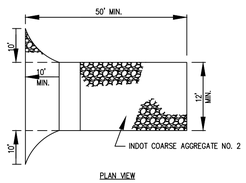
TEMPORARY SILT FENCE

REQUIREMENTS: MATERIAL: 1-2.5 IN. WASHED STONE (INDOT STONE NO. 2) OVER A STABLE FOUNDATION.
THICKNESS: 6 IN. MINIMUM.
WIDTH: 12 FT. MINIMUM OR FULL WIDTH OF ENTRANCE/EXIT ROADWAY, WHICHEVER IS GREATER.
LENGTH: 50 FT. MINIMUM. THE LENGTH CAN BE SHORTER FOR SMALL SITES SUCH AS FOR AN INDIVIDUAL HOME, BUT SHALL BE OF SUFFICIENT LENGTH TO PREVENT TRACKING.
WASHING FACILITY (OPTIONAL): LEVEL AREA WITH 3 IN. WASHED STONE MINIMUM OR A COMMERCIAL RACK, AND WASTE WATER DIVERTED TO A SEDIMENT TRAP OR BASIN.
GEOTEXTILE FABRIC UNDERLINER: REQUIRED TO PROVIDE GREATER BEARING STRENGTH.

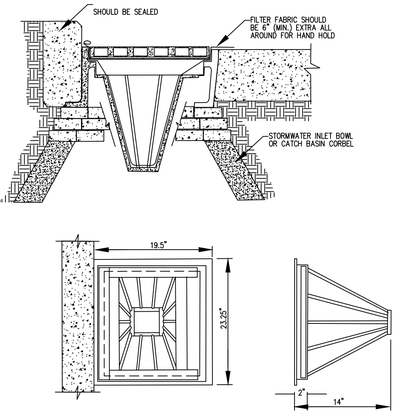
INSTALLATION:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES IN PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA, AND GRADE AND CROWN FOR POSITIVE DRAINAGE.
3. IF SLOPE TOWARDS THE ROAD EXCEEDS 2%, CONSTRUCT A 6-8 IN.-HIGH WATER BAR (RIDGE) WITH 3:1 SIDE SLOPES ACROSS THE FOUNDATION AREA ABOUT 15 FT. FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE ROAD (SEE PROFILE).
4. INSTALL PIPE UNDER THE PAD IF NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE.
5. PLACE STONE TO DIMENSIONS AND GRADE SHOWN IN THE EROSION/SEDIMENT CONTROL PLAN, LEAVING THE SURFACE SMOOTH AND SLOPED FOR DRAINAGE.
6. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN.



MAINTENANCE
- INSPECT ENTRANCE PAD, SEDIMENT DISPOSAL AREA, AND ALL OTHER EROSION CONTROL MEASURES WEEKLY AND AFTER STORM EVENTS OR HEAVY USE. REQUIRED REPAIRS SHOULD BE COMPLETED IMMEDIATELY.
- RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
- TOPDRESS WITH CLEAN STONE AS NEEDED.
- IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED IF THE WATER IS CONVEYED INTO A SEDIMENT TRAP OR BASIN.
- REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.



TEMPORARY CONSTRUCTION ENTRANCE



PURPOSE: 1. TO PREVENT EXCESSIVE SEDIMENT FROM ENTERING STORM SEWERS AT CURB INLETS, ALLOWING FULL USE OF THE STORM DRAIN SYSTEM DURING THE CONSTRUCTION PERIOD.

REQUIREMENTS: 1. BASKET: FABRICATED METAL WITH TOP WIDTH-LENGTH DIMENSIONS SUCH THAT THE BASKET FITS INTO THE INLET WITHOUT CAPS, AND LINE IT WITH GEOTEXTILE FABRIC FOR FILTRATION.

INSTALLATION: 1. INSTALL BASKET CURB INLET PROTECTIONS AS SOON AS INLET BOXES ARE INSTALLED IN A NEW DEVELOPMENT OR BEFORE LAND DISTURBING ACTIVITIES BEGIN IN A STABILIZED AREA.
2. REMOVE THE GRATE AND PLACE THE BASKET IN THE INLET.
3. CUT AND INSTALL A PIECE OF FILTER FABRIC LARGE ENOUGH TO LINE THE INSIDE OF THE BASKET AND EXTEND AT LEAST 6" BEYOND THE FRAME.
4. REPLACE THE INLET GRATE WHICH ALSO SERVES TO ANCHOR THE FABRIC.
5. FOLLOW INSTRUCTIONS AS PROVIDED BY MANUFACTURER.

MAINTENANCE: 1. INSPECT WITHIN 24 HOURS AFTER EACH STORM EVENT.
2. REMOVE BUILT-UP SEDIMENT AND REPLACE THE GEOTEXTILE FABRIC AFTER EACH STORM EVENT.
3. REPLACE BASKET EVERY SIX (6) MONTHS.
4. REPLACE BASKET AFTER ANY OIL, GASOLINE OR SOLVENT SPILL, OR IF THERE IS A HOLE IN THE FABRIC.

CATCH BASIN INSERT INLET PROTECTION

NO.	DATE	REVISION	BY
1	11/14/24	FOR BIDDING	CRG

DESIGNED:	CRG
DRAWN:	CRG
CHECKED:	CRG
DATE:	05/07/24
PROJECT NO.:	P25-003

The Department of DEVELOPMENT & STORM WATER MANAGEMENT
Porter County, Indiana

PROJECT: KEMPER DITCH, ARM 18 DRAIN TILE RECONSTRUCTION
LOCATION: CR 1200 N
SHEET TITLE: SHEET 5-DETAILS
SHEET NO.: 5 OF 5

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