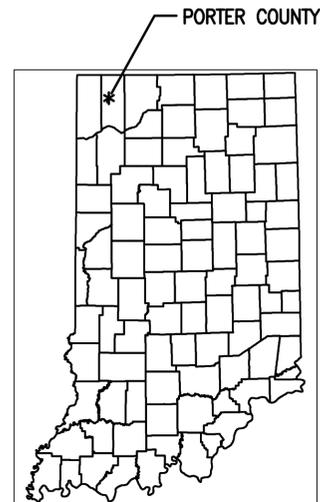


PORTER COUNTY, INDIANA

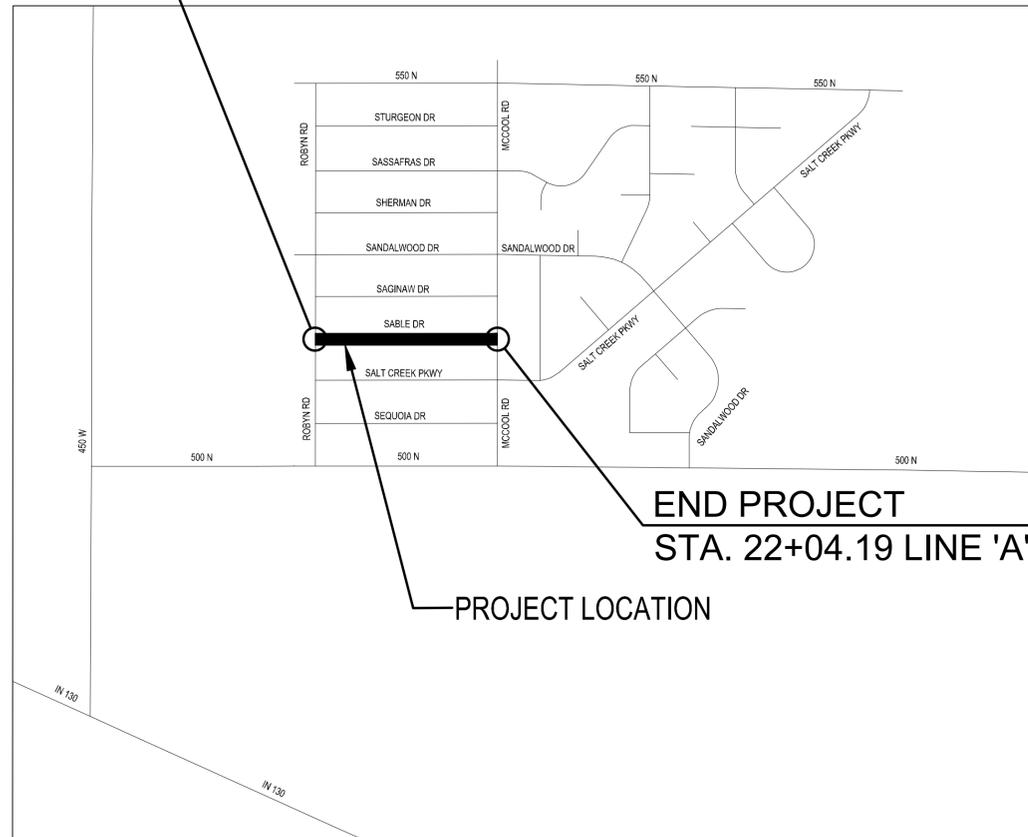
SABLE DRIVE STORM SEWER RECONSTRUCTION PROJECT

FEBRUARY 2024

BEGIN PROJECT
STA. 10+31.29 LINE 'A'



PROJECT LOCATION (PORTER COUNTY, INDIANA)
SHOWN BY *
LATITUDE: 41°32'45" N
LONGITUDE: 87°07'36" W



END PROJECT
STA. 22+04.19 LINE 'A'

PROJECT LOCATION

LOCATION
PLAN SCALE: 1"=600'



INDEX OF DRAWINGS

DWG. NO.	SHEET NO.	DESCRIPTION
C0.0	1	COVER
C0.1	2	DRAWING INDEX AND SURVEY CONTROL INFORMATION
C0.2	3	GENERAL NOTES, LEGEND AND TYPICAL SECTION
C0.3	4	MAINTENANCE OF TRAFFIC
C1.0-C1.2	5-7	PLAN AND PROFILE
C1.3	8	INTERSECTION GRADING DETAILS
C2.0	9	CONSTRUCTION DETAILS
C2.1-C2.2	10-11	SEWER CONSTRUCTION DETAILS
C3.0	12	EROSION CONTROL DETAILS

UTILITY CONTACT INFORMATION

ELECTRIC
NIPSCO
ROBERT HAYWARD
PHONE: (219)629-5071

TELEPHONE
FRONTIER
CHUCK MCKEAN
PHONE: (219)531-6947

GAS
NIPSCO
JESSICA THOMAS
PHONE: (219)302-0038

PIPELINE
TC ENERGY
CODY ROBINSON
PHONE: (219)384-0565

SANITARY SEWER
AQUA INDIANA, INC
JOSH HALON
PHONE: (239)896-5989

PORTER COUNTY HIGHWAY DEPARTMENT
JIM POLAREK
PHONE: (219)465-3570

WATER
INDIANA AMERICAN WATER
CHERI REIS
PHONE: (219)808-3001

**PORTER COUNTY DEPARTMENT OF
DEVELOPMENT & STORM WATER MANAGEMENT**
CHELSEY GORDON, PE
PHONE: (219)465-3652



DLZ INDIANA, LLC
900 RIDGE ROAD, SUITE L
MUNSTER, INDIANA 46321
TELE: (219) 836-5884
FAX: (219) 836-6013
WWW.DLZ.COM

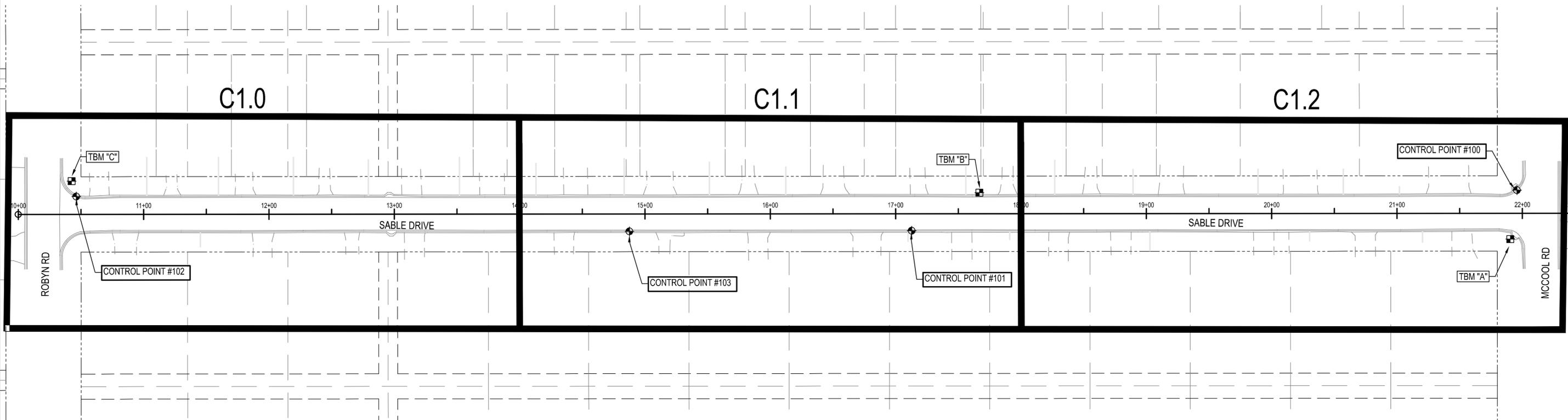
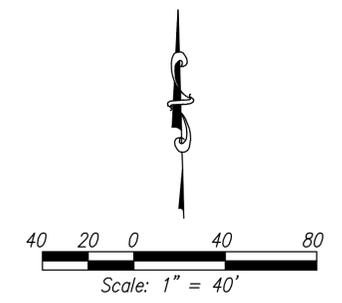


ANTHONY J. KENNING, CIVIL-STORMWATER
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA NO. 10000097

Anthony J. Kenning
01/31/24

01/31/24

SHAUN G. FINNEY, CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA NO. 11200270



DRAWING INDEX

1
C0.1

CONTROL POINT INFORMATION (SHOWN ON DETAIL NO.1)

CONTROL POINT DATA				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	2280662.35	2936273.71	661.13	MAG SPIKE
101	2280630.01	2935790.53	666.78	MAG SPIKE
102	2280657.26	2935124.03	677.19	MAG SPIKE
103	2280629.69	2935565.49	669.48	MAG SPIKE

TEMPORARY BENCH MARKS 'TBM' (SHOWN ON DETAIL NO.1)

TBM 'A' ELEV = 662.73' (NAVD88)
 MAG SPIKE SET ON THE NORTH FACE OF LIGHT POLE #1-000-948 LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF SABLE DRIVE AND MCCOOL ROAD.

TBM 'B' ELEV = 667.63' (NAVD88)
 MAG SPIKE SET ON AN UNNUMBERED LIGHT POLE LOCATED ON THE NORTH SIDE OF SABLE DRIVE, AT THE WEST SIDE OF THE DRIVEWAY TO HOUSE #407 B.

TBM 'C' ELEV = 679.11' (NAVD88)
 MAG SPIKE SET ON THE NORTH FACE OF LIGHT POLE #1-000-941 LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF SABLE DRIVE AND ROBYN ROAD.



PORTER COUNTY INDIANA
**SABLE DRIVE RECONSTRUCTION
 STORM SEWER RECONSTRUCTION PROJECT**

DRAWING INDEX AND SURVEY CONTROL INFORMATION

DRAWN:	DESIGNED:	DATE:	HORIZ. SCALE:	VERT. SCALE:	PROJECT NUMBER:	NO.	REVISION	BY	DATE
BRA	BRA	FEBRUARY 2024	1" = 40'	N/A	2264-1425-90	1			
CHKD:	APPRVD:					2			
EMM	AJK					3			

01/31/24
 DLZ INDIANA, LLC

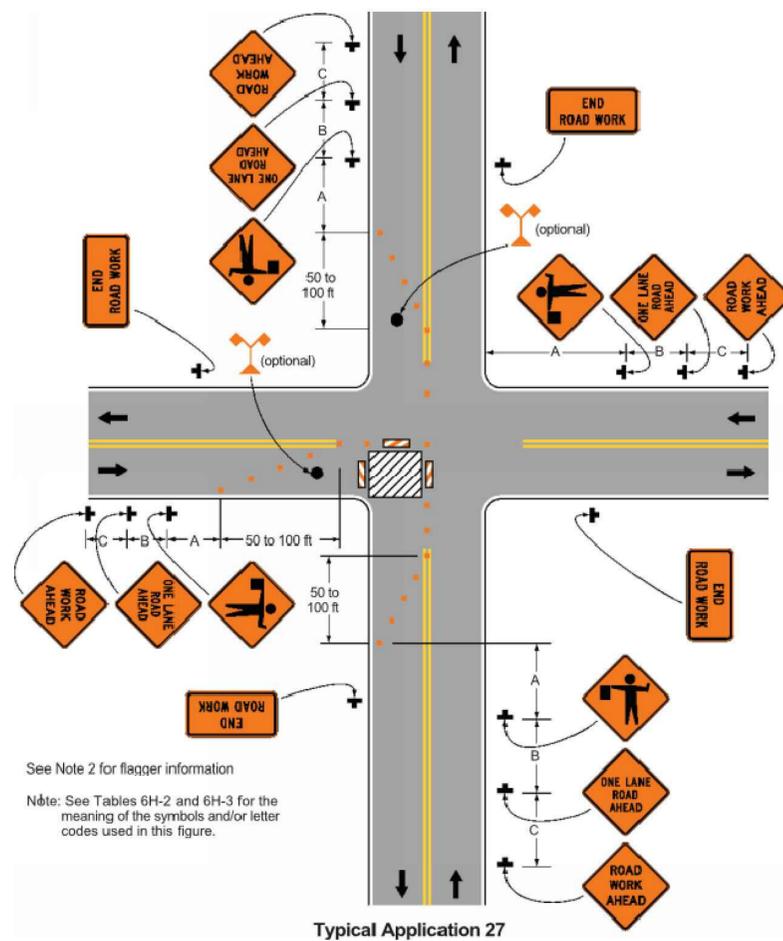
SHEET	2
OF	12
DRAWING NUMBER	C0.1

MAINTENANCE OF TRAFFIC NOTES:

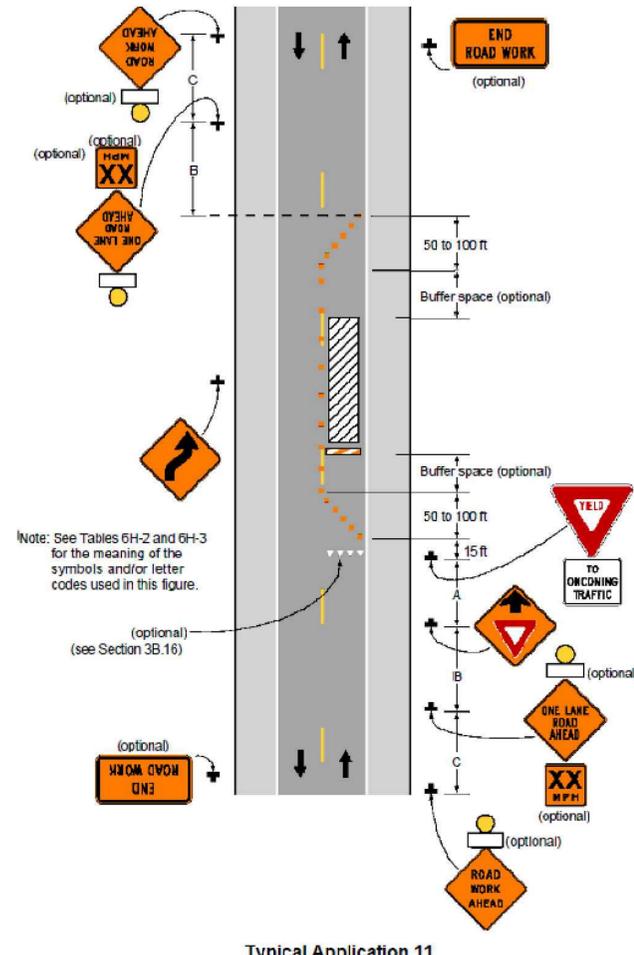
- ALL SIGNS, BARRICADES, AND PAVEMENT MARKINGS SHALL CONFORM TO THE INDIANA MANUAL ON TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, 2011 AND ANY CURRENT SUPPLEMENTS THERETO.
- AT LEAST 2 DAYS BEFORE WORK AFFECTING THE ROADSIDE OR ROADWAY BEGINS, NOTIFICATION SHALL BE GIVEN OF SUCH INTENTION TO PORTER COUNTY SHERIFF, PORTAGE AND VALPARAISO POLICE AND FIRE DEPARTMENTS, SOUTH HAVEN FIRE & RESCUE, UNION VOLUNTEER FIRE DEPARTMENT AND UNION TOWNSHIP SCHOOLS.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE PROPERTIES DURING CONSTRUCTION.
- ANY CONSTRUCTION BEING DONE WITHIN AN INTERSECTION SHALL MAINTAIN FLAGGING OPERATIONS AND TRAFFIC CONTROL PER DETAIL 1.
- CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH PORTER COUNTY AND COMPLY WITH ALL COUNTY STANDARDS AND COUNTY COMMENTS AND REQUIREMENTS FOR MAINTENANCE OF TRAFFIC.
- PAVEMENT AND SHOULDERS HAVING AN EDGE DROP OF MORE THAN 3 IN. SHALL BE DELINEATED WITH DRUMS OR PROTECTED BY BARRIER. INCOMPLETE CONSTRUCTION SHALL BE BACKFILLED AND PLATED OR OTHERWISE SECURED AT THE END OF EACH WORK DAY TO ALLOW LOCAL TRAFFIC ACCESS AND ACCESS TO EACH APPROACH.
- SPACING OF CHANNELIZING DEVICES ON TANGENTS SHALL BE 50' OR LESS UNLESS OTHERWISE NOTED.
- SPACING OF CHANNELIZING DEVICES ON TAPERS SHALL BE 25' OR LESS UNLESS OTHERWISE NOTED.
- A MINIMUM OF TWO (2) 10' LANES SHALL BE MAINTAINED UNLESS OTHERWISE NOTED. IF TWO (2) LANES CANNOT BE MAINTAINED DURING STORM SEWER INSTALLATION, UTILIZE DETAIL 2, THIS SHEET. IF TWO (2) LANES CANNOT BE MAINTAINED DURING PAVING AND CURB AND GUTTER OPERATIONS, UTILIZE DETAIL 3, THIS SHEET.
- ALL SIDE STREETS AND DRIVEWAYS SHALL BE CONSTRUCTED USING PARTIAL WIDTH STAGING. ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.
- REMOVAL AND REPLACEMENT OF EXISTING PAVEMENT MARKINGS WILL BE REQUIRED WITHIN THE MAINTENANCE OF TRAFFIC INFLUENCE AREA, AS NECESSARY, DURING ALL STAGES OF CONSTRUCTION.
- THE CONTRACTOR SHALL AT ALL TIMES PROTECT THE PAVEMENT SURFACE AND RIGHT-OF-WAY FROM DAMAGE DUE TO THE USE OF HEAVY EQUIPMENT, AND SHALL PROVIDE AND USE APPROVED PADS, PLANKS OR DIRT CUSHION TO PROTECT AGAINST OTHER DAMAGE. IMMEDIATELY BEFORE ANY SECTION OF THE HIGHWAY IS TO BE PLACED BACK IN USE FOR TRAFFIC, THE CONTRACTOR SHALL REMOVE ALL EXCESS DIRT AND SWEEP THE PAVEMENT SURFACE TO ELIMINATE UNNECESSARY DUST HAZARDS.

SEQUENCING PLAN:

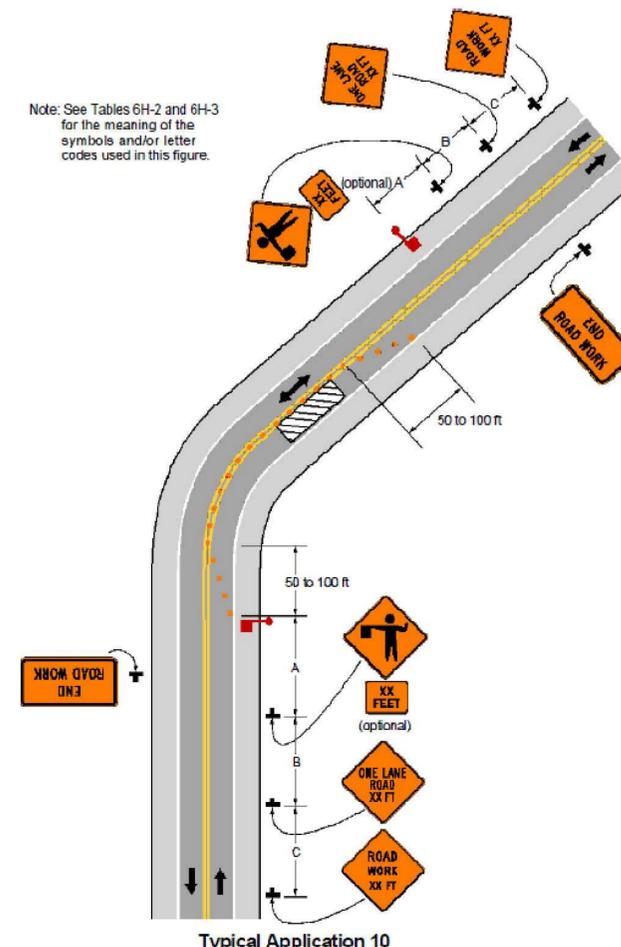
- INSTALL PROPOSED STORM SEWER TRUNK LINE.
 - NO MORE THAN TWO (2) ADJACENT DRIVEWAYS MAY BE AFFECTED SIMULTANEOUSLY FOR THE INSTALLATION OF THE STORM SEWER TRUNK LINE. ALL DRIVEWAY ACCESS SHALL BE RESTORED WITHIN THE SAME DAY WITH AT LEAST TEMPORARY AGGREGATE NO. 53. UTILIZE DETAIL 2, THIS SHEET, AS NECESSARY.
- REMOVE EXISTING ROADWAY PAVEMENT AND CURB.
 - PROVIDE AGGREGATE TRANSITION BETWEEN EXISTING PAVEMENT AND SUBGRADE. UTILIZE DETAIL 3, THIS SHEET, AS NECESSARY.
- INSTALL CURB INLETS AND ASSOCIATED STORM SEWER PIPING.
 - EXCAVATIONS IN THE ROADWAY SHALL BE COMPLETED, PLATED, OR OTHERWISE SECURED AT THE END OF EACH WORK DAY.
 - UTILIZE DETAIL 2, THIS SHEET, AS NECESSARY.
- INSTALL PROPOSED ROADWAY PAVEMENT AND CURB AND GUTTER.
 - UTILIZE DETAIL 3, THIS SHEET, AS NECESSARY.



Typical Application 27



Typical Application 11



Typical Application 10

CLOSURE ALONG SIDE OF INTERSECTION

SCALE: N.T.S.

1
C0.3

NOTE

- DEPENDING ON ROAD USER CONDITIONS, FLAGGER(S) OR UNIFORM LAW ENFORCEMENT OFFICER(S) SHOULD BE USED TO DIRECT ROAD USERS WITHIN THE INTERSECTION.

- AREA OF WORK ACTIVITY

LANE CLOSURE ON TWO-LANE ROAD WITH LOW TRAFFIC VOLUMES

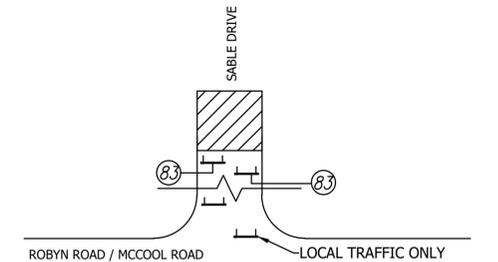
SCALE: N.T.S.

2
C0.3

LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS

SCALE: N.T.S.

3
C0.3



TYPICAL STREET CLOSURE

SCALE: N.T.S.

4
C0.3

NOTES:

- CONTRACTOR SHALL UTILIZE TYPICAL STREET CLOSURE AT ALL LOCATIONS ADJACENT TO ANY ROADWAY CLOSURE.

LEGEND:

ROAD CLOSURE SIGN ASSEMBLY WITH R11-2 "ROAD CLOSED"

TYPE III BARRICADE



PORTER COUNTY
**SABLE DRIVE RECONSTRUCTION
STORM SEWER RECONSTRUCTION PROJECT**

INDIANA

DRAWN:	CHKD:	NO.	REVISION	BY	DATE
BRA	EMM	▲			
DESIGNED:	APPRVD:	▲			
BRA	AJK	▲			
DATE:		▲			
FEBRUARY 2024		▲			
HORIZ. SCALE:		▲			
N/A		▲			
VERT. SCALE:		▲			
N/A		▲			
PROJECT NUMBER		▲			
2264-1425-90		▲			

MAINTENANCE OF TRAFFIC

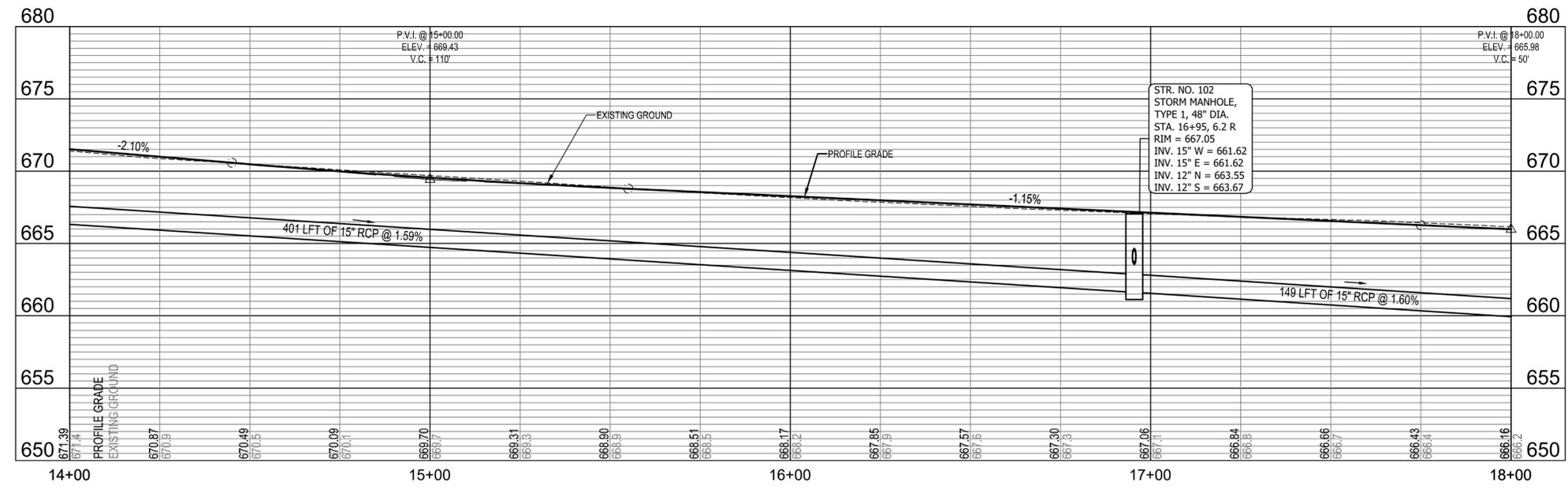
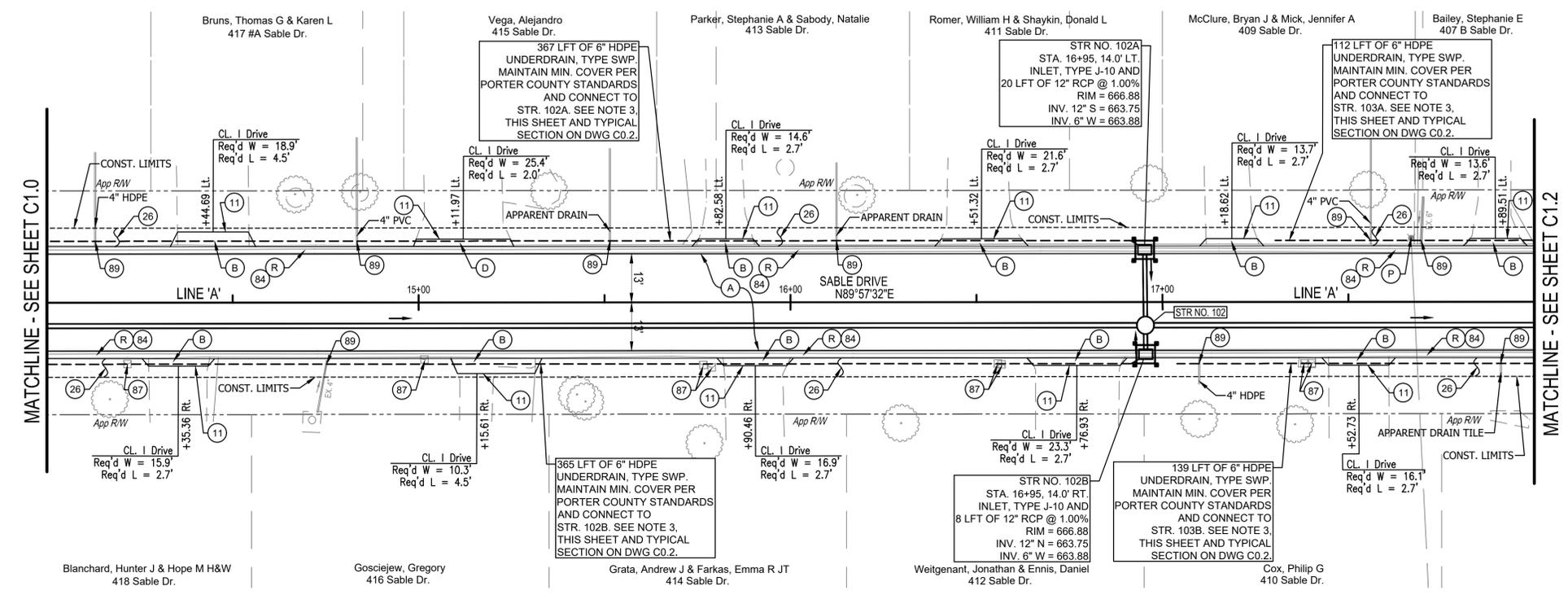
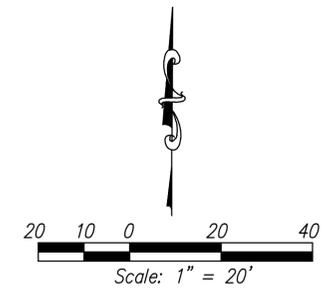
SHEET 4

OF 12

DRAWING NUMBER

C0.3

01/31/24
DLZ INDIANA, LLC



- NOTES**
- LINE 'A' TO BE CONSTRUCTED.
 - ALL SOLID LID MANHOLE CASTINGS TO BE NEENAH R-1642.
 - CONTRACTOR TO FIELD INVESTIGATE AND CONNECT ANY DRAIN TILES NOT SHOWN ON PLANS TO PROPOSED UNDERDRAIN USING TEES AND FITTINGS.
- LEGEND**
- (A) 165 #/SYD HMA SURFACE, TYPE B ON 275 #/SYD HMA INTERMEDIATE, TYPE B ON 10" COMPACTED AGGREGATE NO. 53 ON GEOGRID (PER PORTER COUNTY STANDARDS) ON SUBGRADE TREATMENT, TYPE II AS DIRECTED
 - (B) DRIVEWAY, ASPHALT, REMOVE AND REPLACE (SEE DETAIL 1, DWG C2.0)
 - (D) DRIVEWAY, BRICK, REMOVE AND RESTORE TO ORIGINAL CONDITION
 - (P) PROTECT
 - (R) CURB AND GUTTER, CONCRETE, ROLLED (SEE DETAIL 2, DWG C2.0)
 - (CR) CURB RAMP, CONCRETE (FOR DETAILS, SEE DWG C1.3)
 - (11) SAWCUT
 - (26) MULCHED SEEDING, TYPE U AND 6" OF TOPSOIL
 - (84) CURB, REMOVE
 - (87) MAILBOX, REMOVE AND RESET
 - (89) CONNECT DRAIN TILE TO UNDERDRAIN WITH TEES AND FITTINGS
 - [Symbol] TEMPORARY CURB INLET PROTECTION

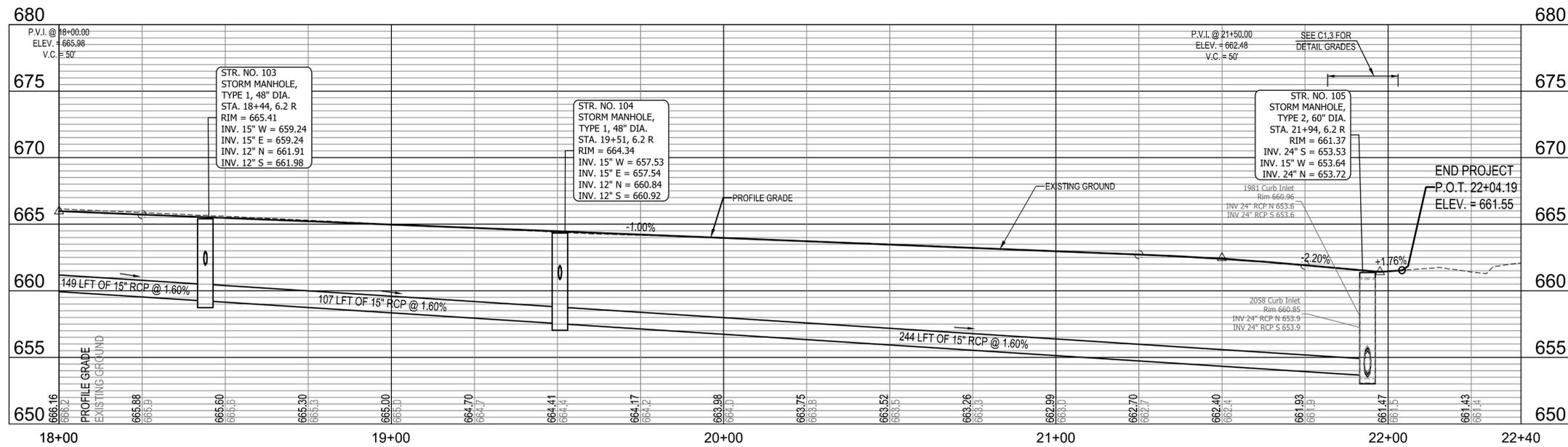
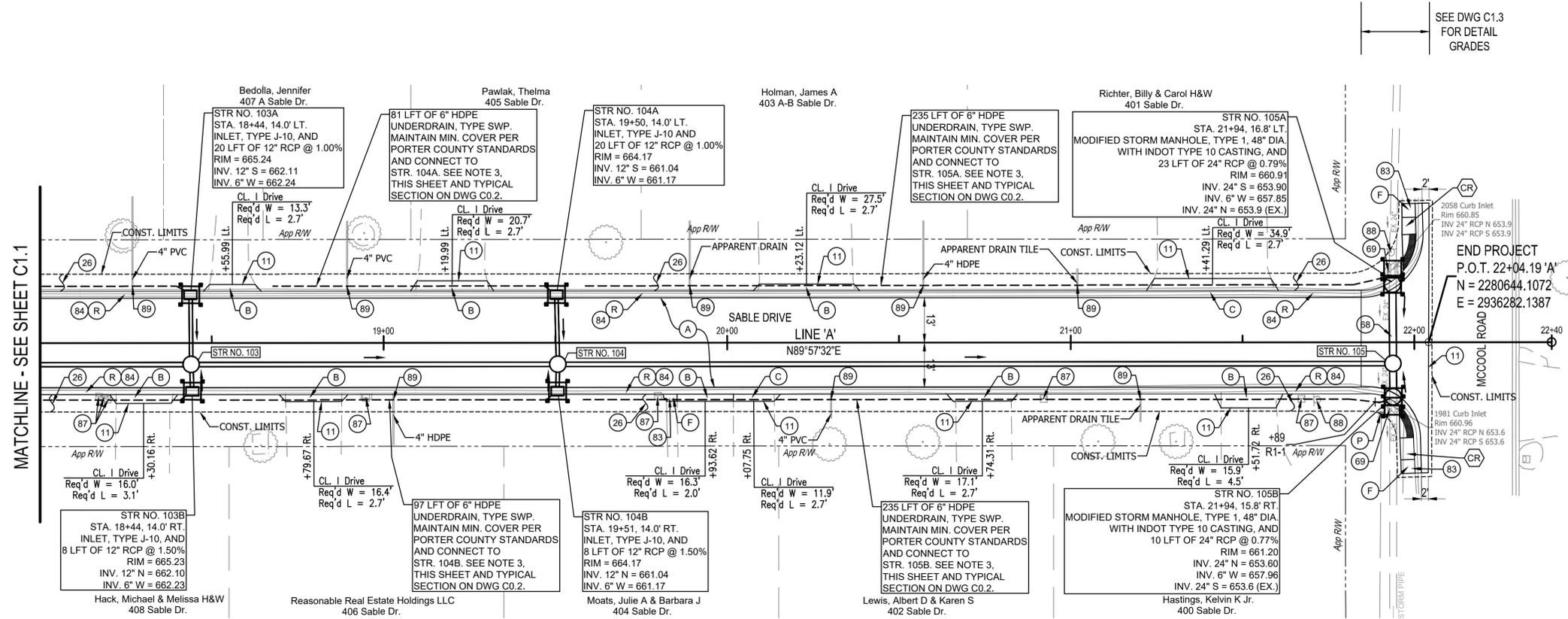


PORTER COUNTY
**SABLE DRIVE RECONSTRUCTION
 STORM SEWER RECONSTRUCTION PROJECT**
 INDIANA
**PLAN & PROFILE - LINE 'A'
 STA. 14+00 - 18+00**

DRAWN:	CHKD:	NO.	REVISION	BY	DATE
BRA	EMM				
DESIGNED:	APPRVD:				
BRA	AJK				
DATE:					
FEBRUARY 2024					
HORIZ. SCALE:					
1" = 20'					
VERT. SCALE:					
1" = 5'					
PROJECT NUMBER					
2264-1425-90					

01/31/24
 DLZ INDIANA, LLC

SHEET 6
 OF 12
 DRAWING NUMBER
C1.1



- NOTES**
- LINE 'A' TO BE CONSTRUCTED.
 - ALL SOLID LID MANHOLE CASTINGS TO BE NEENAH R-1642.
 - CONTRACTOR TO FIELD INVESTIGATE AND CONNECT ANY DRAIN TILES NOT SHOWN ON PLANS TO PROPOSED UNDERDRAIN USING TEES AND FITTINGS.
- LEGEND**
- (A) 165 #SYD HMA SURFACE, TYPE B ON 275 #SYD HMA INTERMEDIATE, TYPE B ON 10" COMPACTED AGGREGATE NO. 53 ON GEOGRID (PER PORTER COUNTY STANDARDS) ON SUBGRADE TREATMENT, TYPE II AS DIRECTED
 - (B) DRIVEWAY, ASPHALT, REMOVE AND REPLACE (SEE DETAIL 1, DWG C2.0)
 - (C) DRIVEWAY, CONCRETE, REMOVE AND REPLACE (SEE DETAIL 1, DWG C2.0)
 - (F) SIDEWALK, CONCRETE, 4" ON 4" COMPACTED AGGREGATE, NO. 53
 - (P) PROTECT
 - (R) CURB AND GUTTER, CONCRETE, ROLLED (SEE DETAIL 2, DWG C2.0)
 - (CR) CURB RAMP, CONCRETE (FOR DETAILS, SEE DWG C1.3)
 - (11) SAWCUT
 - (26) MULCHED SEEDING, TYPE U AND 6" OF TOPSOIL
 - (68) PIPE, REMOVE
 - (69) STRUCTURE, REMOVE
 - (83) SIDEWALK, REMOVE
 - (84) CURB, REMOVE
 - (87) MAILBOX, REMOVE AND RESET
 - (88) SIGN AND POST, REMOVE AND RESET
 - (89) CONNECT DRAIN TILE TO UNDERDRAIN WITH TEES AND FITTINGS
 - (I) TEMPORARY CURB INLET PROTECTION

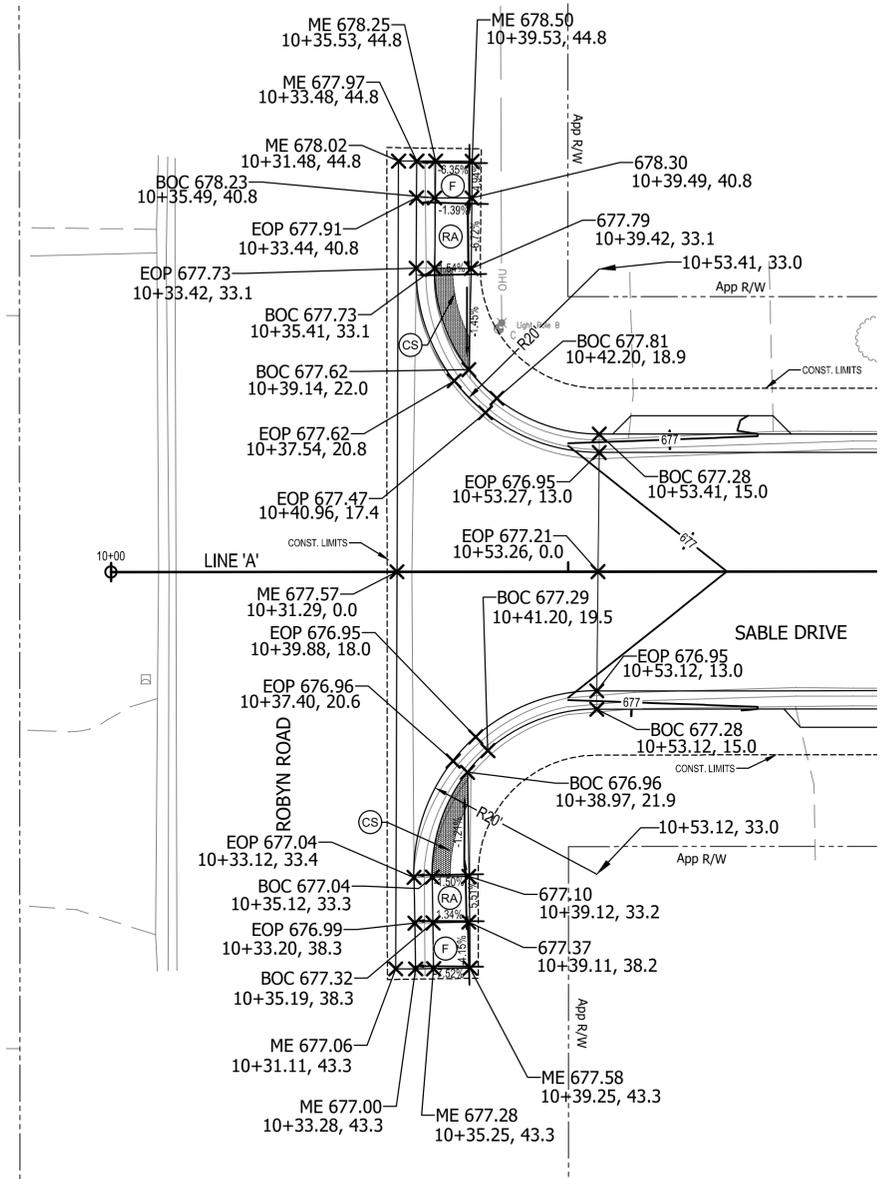


PORTER COUNTY
**SABLE DRIVE RECONSTRUCTION
 STORM SEWER RECONSTRUCTION PROJECT**
 INDIANA

**PLAN & PROFILE - LINE 'A'
 STA. 18+00 - 22+40**

DRAWN:	CHKD:	NO.	REVISION	BY	DATE
BRA	EMM				
DESIGNED:	APPRVD:				
BRA	AJK				
DATE:					
FEBRUARY 2024					
HORIZ. SCALE:					
1" = 20'					
VERT. SCALE:					
1" = 5'					
PROJECT NUMBER					
2264-1425-90					

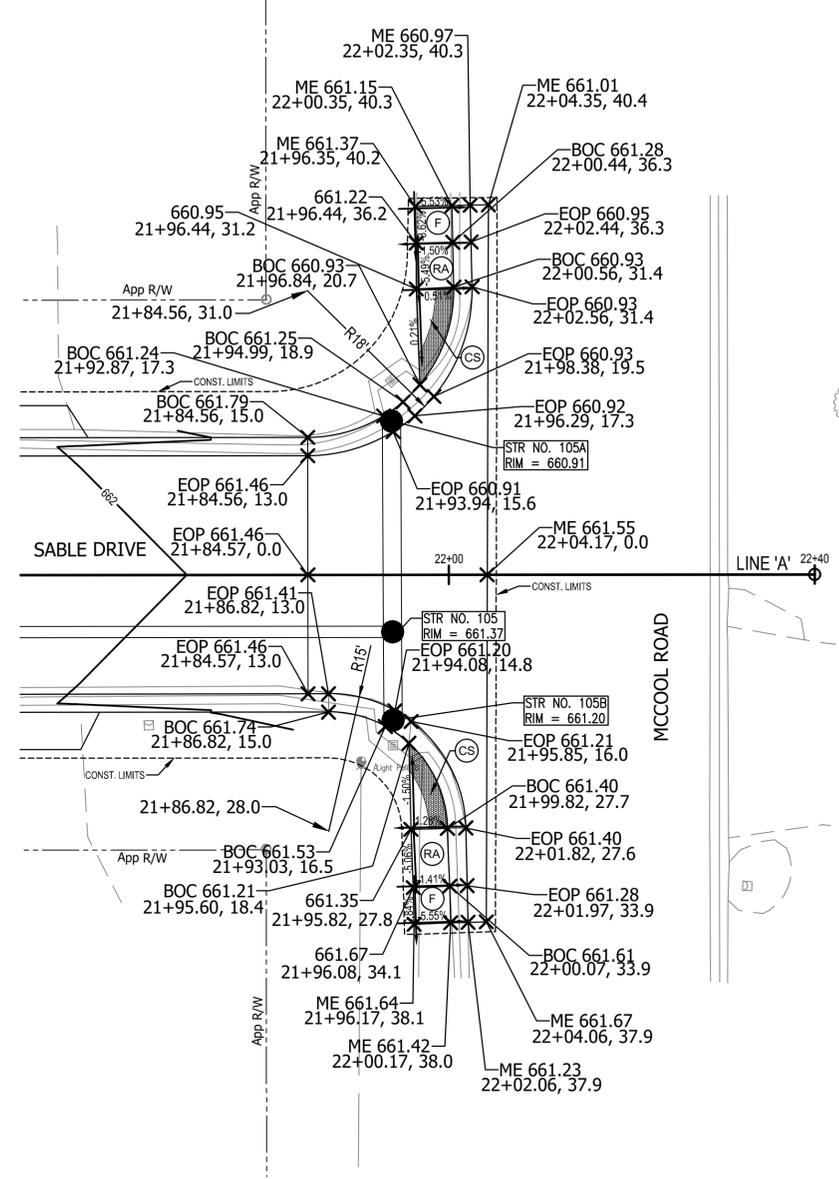
SHEET	7
OF	12
DRAWING NUMBER	C1.2



INTERSECTION GRADING DETAIL
(ROBYN ROAD AND SABLE DRIVE)

SCALE: 1" = 10'

1
C1.3



INTERSECTION GRADING DETAIL
(MCCOOL ROAD AND SABLE DRIVE)

SCALE: 1" = 10'

2
C1.3

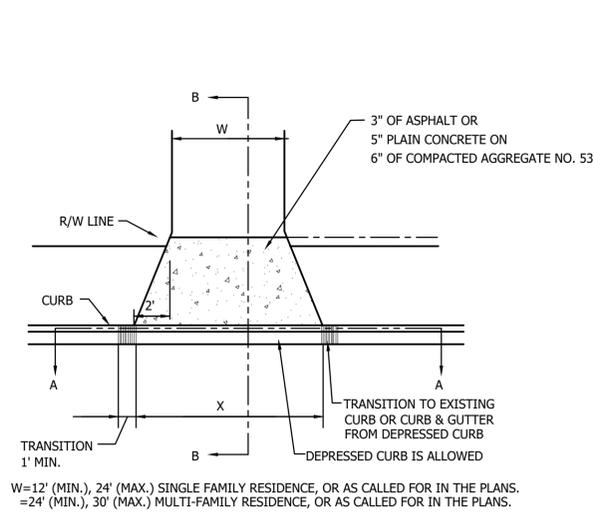
LEGEND	
(CS)	CLEAR SPACE
(F)	SIDEWALK, CONCRETE, 4" , ON 4" COMPACTED AGGREGATE, NO. 53
(RA)	RAMP



PORTER COUNTY	SABLE DRIVE RECONSTRUCTION STORM SEWER RECONSTRUCTION PROJECT	INDIANA
INTERSECTION GRADING DETAILS		

DRAWN:	CHKD:	NO.	REVISION	BY	DATE
BRA	EMM				
DESIGNED:	APPRVD:				
BRA	AJK				
DATE:					
FEBRUARY 2024					
HORIZ. SCALE:					
1" = 10'					
VERT. SCALE:					
N/A					
PROJECT NUMBER					
2264-1425-90					

SHEET	8
OF	12
DRAWING NUMBER	C1.3
DATE	01/31/24
COMPANY	DLZ INDIANA, LLC

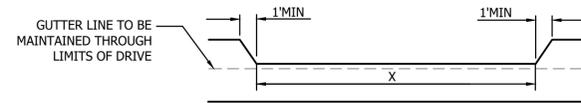


RESIDENTIAL DRIVEWAY APPROACH DETAIL

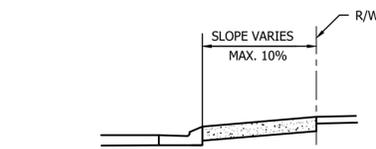
SCALE: N.T.S.

NOTE: CONTRACTOR SHALL PROVIDE PROPOSED DRIVEWAY JOINTING PLAN TO THE OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.

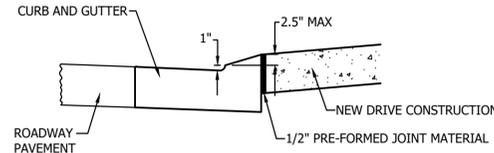
1
C2.0



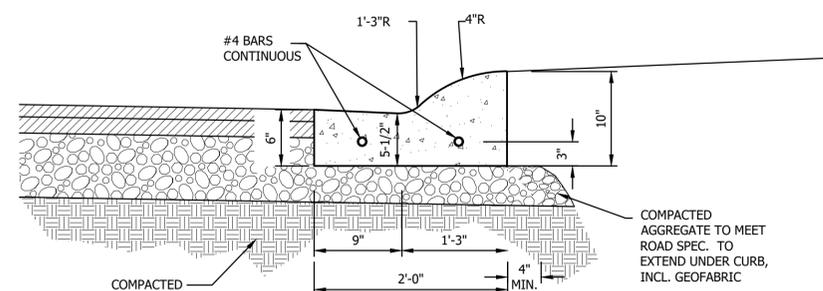
SECTION A-A



SECTION B-B



DEPRESSED CURB



* TRANSVERSE CONSTRUCTION JOINTS 20' ON CENTER.

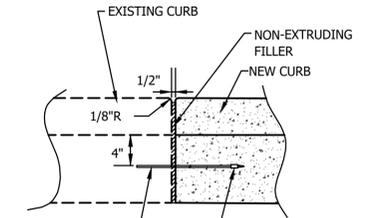
* WHEN CURBS ARE MACHINE PLACED A STABLE ROADBED IS REQUIRED. MAXIMUM VERTICAL TRACK DEFLECTION DURING POUR SHALL BE LESS THAN 1/4 INCH.

* CURB SECTION SHALL BE A MONOLITHIC POUR.

CURB AND GUTTER, CONCRETE, ROLLED

SCALE: N.T.S.

2
C2.0

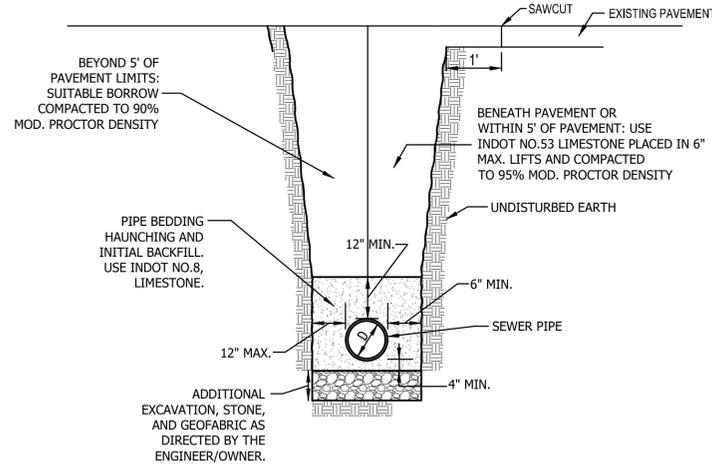


EXISTING CURB SHALL BE DRILLED AND TWO #6 EPOXY COATED SMOOTH DOWEL BARS (3/4" Ø X 18") TO BE GROUTED IN PLACE

EXPANSION JOINT AT EXISTING CURB & GUTTER

SCALE: N.T.S.

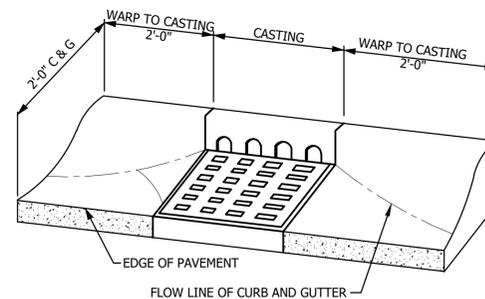
3
C2.0



SEWER TRENCH DETAIL

SCALE: N.T.S.

4
C2.0

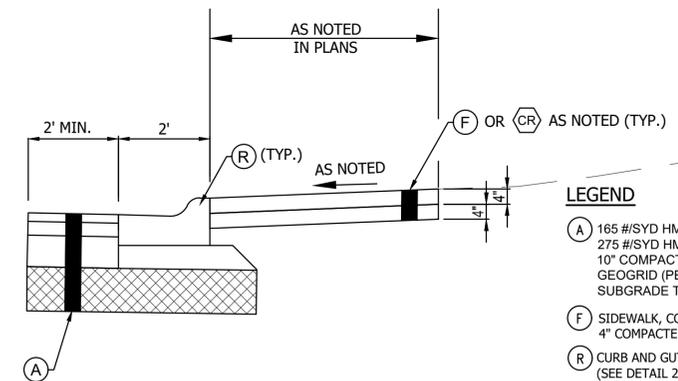


NOTE: ADJUST CURB HEIGHT TO MATCH CURB BOX MINIMUM HEIGHT.

INLET OFFSET DETAIL

SCALE: N.T.S.

5
C2.0



SIDEWALK/CURB RAMP DETAIL

SCALE: N.T.S.

6
C2.0



PORTER COUNTY SABLE DRIVE RECONSTRUCTION INDIANA
STORM SEWER RECONSTRUCTION PROJECT

CONSTRUCTION DETAILS

DRAWN:	CHKD:	NO.	REVISION	BY	DATE
BRA	EMM				
DESIGNED:	APPRVD:				
BRA	AJK				
DATE:					
FEBRUARY 2024					
HORIZ. SCALE:					
N/A					
VERT. SCALE:					
N/A					
PROJECT NUMBER					
2264-1425-90					

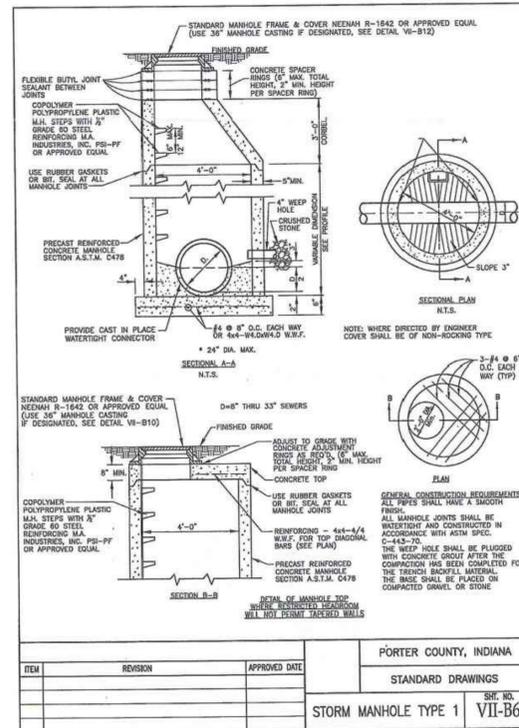
01/31/24
DLZ INDIANA, LLC

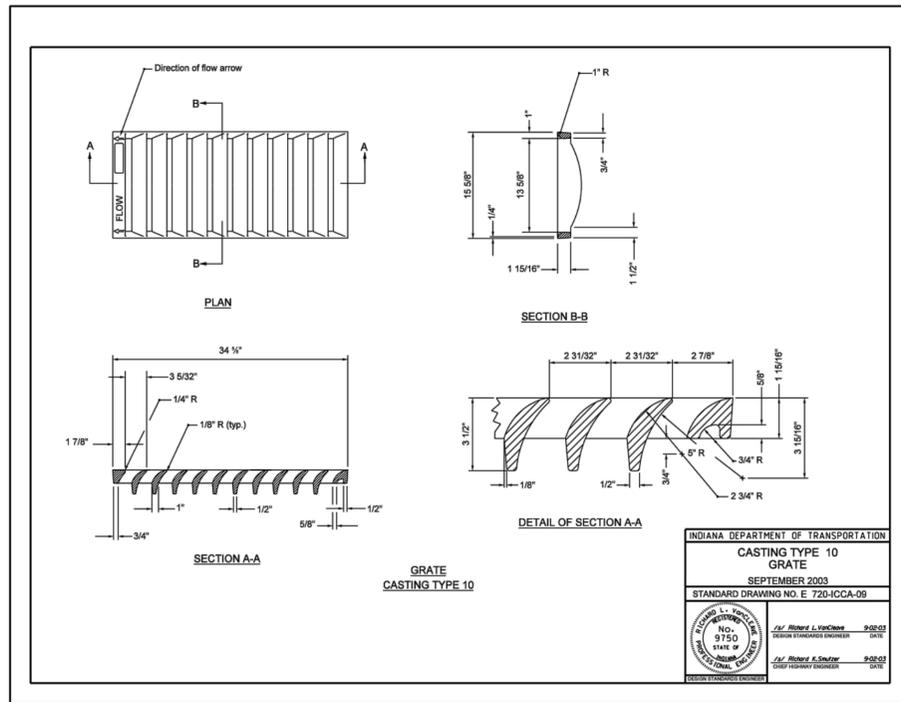
SHEET 9

OF 12

DRAWING NUMBER

C2.0

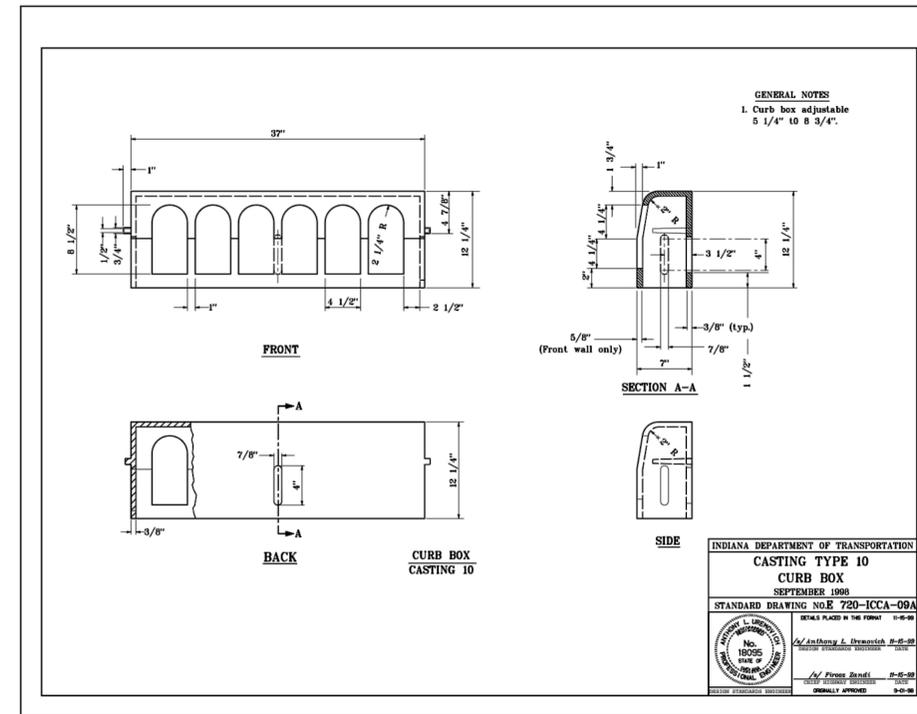




CASTING TYPE 10 GRATE

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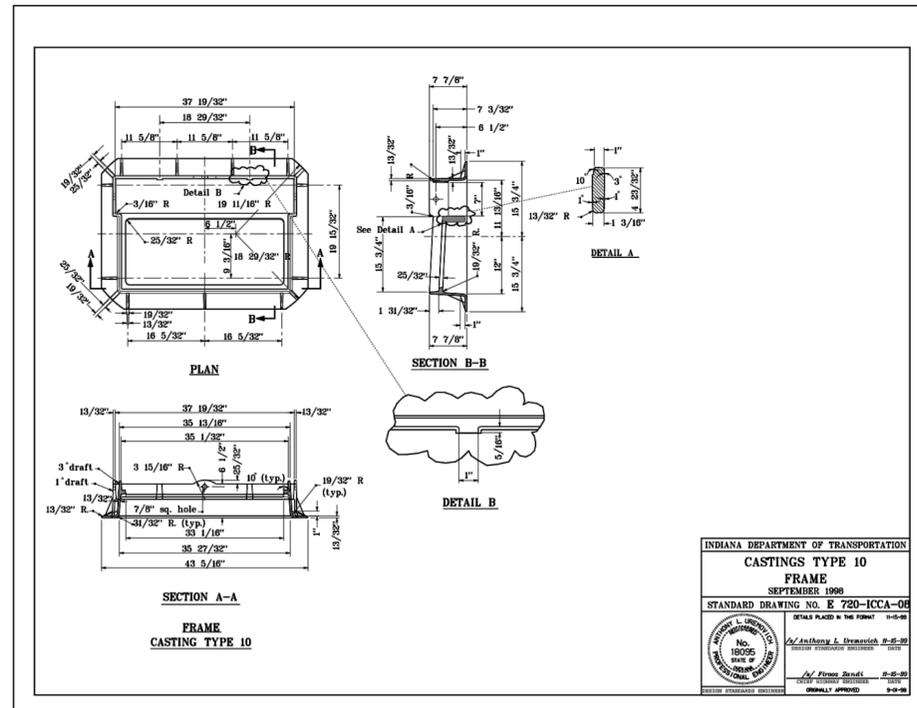
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C2.2



CASTING TYPE 10 CURB BOX

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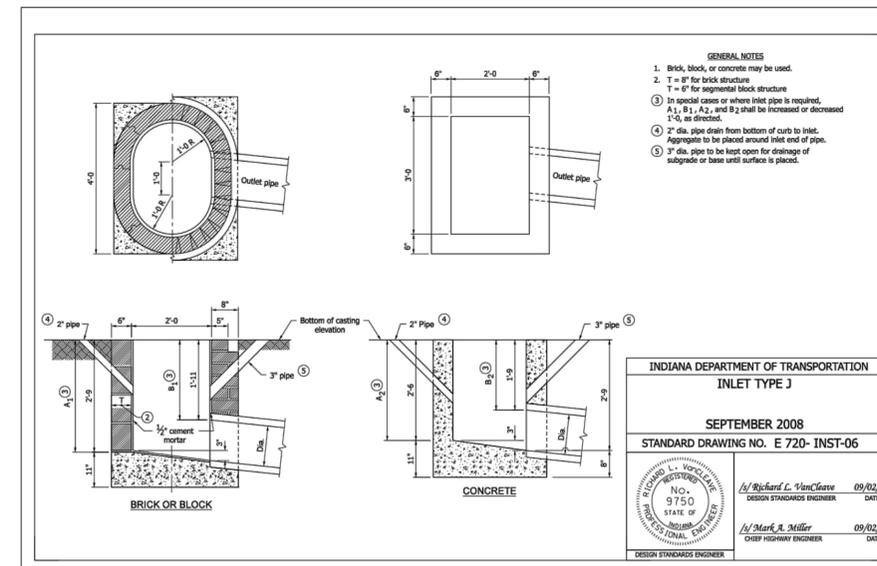
2
C2.2



CASTING TYPE 10 FRAME

SCALE: N.T.S.

3
C2.2



INLET TYPE J

SCALE: N.T.S.

4
C2.2



PORTER COUNTY
SABLE DRIVE RECONSTRUCTION
STORM SEWER RECONSTRUCTION PROJECT

INDIANA

DRAWN: BRA	CHKD: EMM	NO.	REVISION	BY	DATE
DESIGNED: BRA	APPRVD: AJK	▲			
DATE: FEBRUARY 2024		▲			
HORIZ. SCALE: N/A		▲			
VERT. SCALE: N/A		▲			
PROJECT NUMBER		▲			
2264-1425-90		▲			

SEWER CONSTRUCTION DETAILS

SHEET 11

OF 12

DRAWING NUMBER

C2.2

01/31/24
DLZ INDIANA, LLC

TEMPORARY SEEDING DATES												
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
WHEAT OR RYE												
OATS												
ANNUAL RYEGRASS												
PERMANENT SEEDING DATES												
NON-IRRIGATED *												
IRRIGATED												
DORMANT SEEDING **												

IRRIGATION NEEDED DURING THIS PERIOD TO CONTROL EROSION AT TIMES OTHER THAN IN THE SHADED AREAS. USE MULCH.
 * LATE SUMMER SEEDING DATES MAY BE EXTENDED 5 DAYS IF MULCH IS APPLIED.
 ** INCREASE SEEDING APPLICATION BY 50%.

SEASONAL SOIL PROTECTION CHART												
STABILIZATION PRACTICE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A			//////			*-1/-			
DORMANT SEEDING	B											B
TEMPORARY SEEDING			C		E	//////		D				
SODDING			F**			//////			*			
MULCHING	G											

- A - KENTUCKY BLUEGRASS 100 LBS./ACRE; CREEPING RED FESCUE 100 LBS./ACRE; PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 20 LBS./ACRE
- B - KENTUCKY BLUEGRASS 120 LBS./ACRE; CREEPING RED FESCUE 120 LBS./ACRE;
- C - SPRING OATS - 5 BUSHELS/ACRE
- D - WHEAT OR RYE - 2 BUSHELS/ACRE
- E - ANNUAL RYEGRASS 40 LBS./ACRE (1 LB/1000 SQ. FT.)
- F - 500
- G - STRAW MULCH 2 TONS/ACRE
- * IRRIGATION NEEDED DURING JUNE, JULY, AUGUST AND/OR SEPTEMBER
- ** - IRRIGATION NEEDED FOR 2 TO 5 WEEKS AFTER SUPPLYING SOD

MAINTENANCE:

1. WATER.
2. INSPECT WEEKLY, AND AFTER EACH RAINFALL EVENT.
3. RESEED/REMULCH THIN SPOTS AND AS NECESSARY.

SEEDING SCHEDULE

SCALE: N.T.S.

1
C3.0

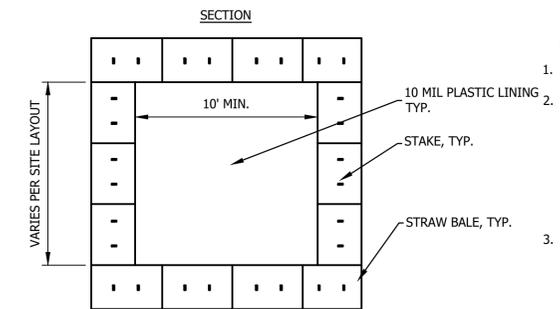
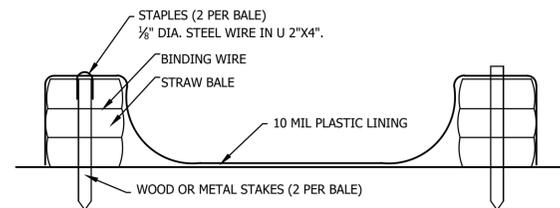
GENERAL SEEDING NOTES:

1. FERTILIZER AND AGRICULTURAL LIMESTONE SHALL BE SPREAD UNIFORMLY OVER THE AREA TO BE SEED. THEY SHALL BE MIXED INTO THE TOP 2" OF SOIL WITH A DISK HARROW, ROTARY TILLER, OR OTHER APPROVED EQUIPMENT. FERTILIZER SHALL BE SPREAD AT THE RATE OF 800 POUNDS PER ACRE, AND AGRICULTURAL LIMESTONE AT THE RATE OF 1/2 TON PER ACRE UNLESS OTHERWISE SPECIFIED.
2. TEMPORARY SEEDING: THE AREAS WHERE STRIPPING, CUTS OR FILLS HAVE BEEN GRADED SHALL BE SEED FOR SILT AND EROSION PROTECTION WITH ONE OF THE FOLLOWING METHODS:

- A. EARLY SPRING MIX: 100% OATS
SEEDING RATE: 50 LBS./ACRE
- B. SPRING OR LATE FALL MIX: 100% ANNUAL RYE
SEEDING RATE: 50 LBS./ACRE
- C. FALL MIX: 100% PERENNIAL RYE
SEEDING RATE: 50 LBS./ACRE

STRAW OR MULCH AS APPROVED BY THE ENGINEER SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE.

3. HYDRO-SEEDING: HYDRO-SEEDING SHALL BE AS PER INDOT SPECIFICATIONS, SECTION 621, DATED 1988. FERTILIZER SHALL BE 12-12-12 APPLIED AT THE RATE OF 400 POUNDS PER ACRE. SEED MIXTURE SHALL BE 60 POUNDS PER ACRE OF PERENNIAL RYE GRASS AND 60 POUNDS PER ACRE OF KENTUCKY 31 FESCUE OR ALTA FESCUE.
4. MAINTENANCE: INSPECT WEEKLY AND AFTER EACH RAINFALL EVENT. RESEED AND REMULCH BARREN OR STRIPPED AREAS.



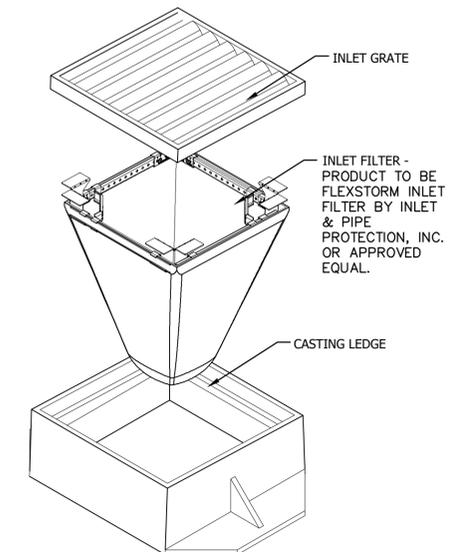
CONCRETE WASHOUT

SCALE: N.T.S.

2
C3.0

NOTES:

1. INSTALL CONCRETE WASHOUT SIGN WITHIN 30' OF TEMPORARY WASHOUT FACILITY. LAYOUT OF WASHOUT FACILITY MAY VARY DEPENDING ON SPACE AVAILABLE WITHIN CONSTRUCTION STAGING AREA. WASHOUT FACILITIES SHALL BE DESIGNATED BY THE PERMIT HOLDER BEFORE WORK BEGINS AND SHALL BE LOCATED IN AN APPROPRIATE AREA WHERE THE WASTE RESULTING FROM THE WASHOUT CANNOT ENTER SEWER SYSTEMS OR LOCAL WATERWAYS.
2. WASTE FROM THE WASHOUT FACILITIES SHALL BE DISPOSED OF IN AN APPROVED MANNER ACCORDING TO STATE LAWS.



PAVEMENT INLET PROTECTION NOTES:

1. PROVIDE INLET PROTECTION OF SHAPE & SIZE REQUIRED. FLEXSTORM BY INLET & PIPE PROTECTION AVAILABLE FROM ADS (866) 287-8655 OR APPROVED EQUAL.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

MAINTENANCE GUIDELINES:

1. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST ONCE EVERY SEVEN DAYS.
2. REMOVE DEPOSITED SEDIMENT AS RECOMMENDED BY MANUFACTURER. REPAIR ANY DAMAGED COMPONENTS IMMEDIATELY.

TEMPORARY INLET PROTECTION

SCALE: N.T.S.

3
C3.0



PORTER COUNTY INDIANA
**SABLE DRIVE RECONSTRUCTION
 STORM SEWER RECONSTRUCTION PROJECT**

EROSION CONTROL DETAILS

DRAWN:	CHKD:	NO.	REVISION	BY	DATE
BRA	EMM	▲			
DESIGNED:	APPRVD:	▲			
BRA	AJK	▲			
DATE:		▲			
FEBRUARY 2024		▲			
HORIZ. SCALE:		▲			
N/A		▲			
VERT. SCALE:		▲			
N/A		▲			
PROJECT NUMBER		▲			
2264-1425-90		▲			

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 DLZ INDIANA, LLC

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