

# DELAWARE COUNTY REGIONAL WASTEWATER DISTRICT DELAWARE COUNTY, INDIANA

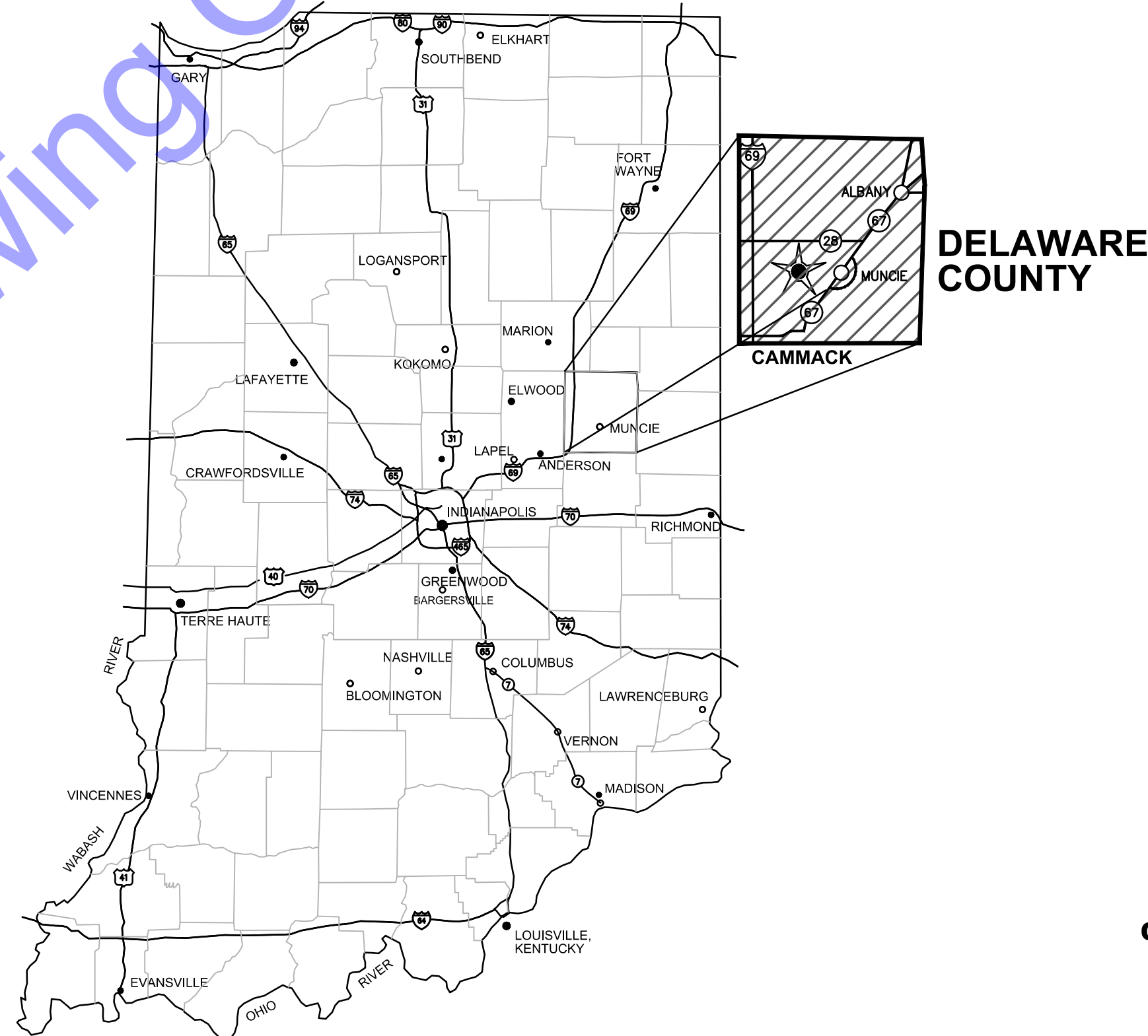
## CAMMACK SANITARY SEWER REHABILITATION

### JANUARY 2025

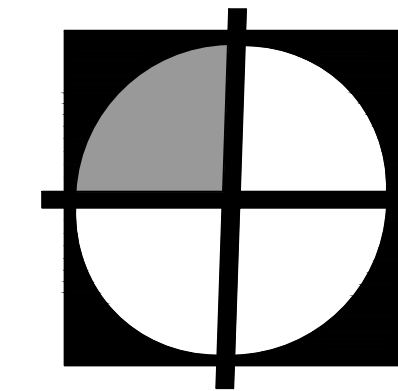
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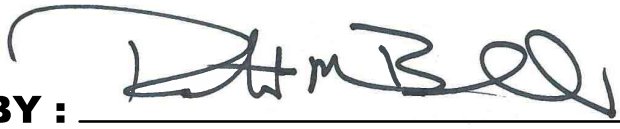


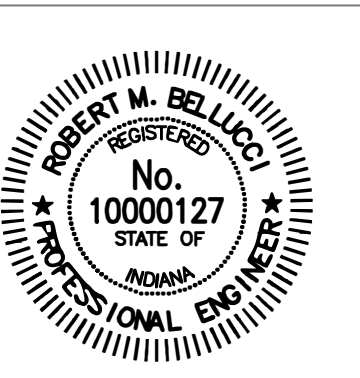
GENERAL LOCATION MAP



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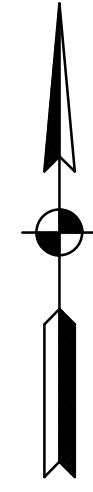
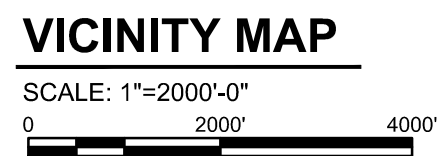
CERTIFIED BY :   
 ROBERT M. BELLUCCI  
 INDIANA P.E. No. 10000127  
 DATE : 01/06/2025



CONTRACT NO. : S20119



PROJECT LOCATION



Drawing Set Index		
SHEET NUMBER	DRAWING NUMBER	SHEET TITLE
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**ROBERT M. BELLOCKI**  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 10000127  
 STATE OF INDIANA  
 Signature: Date: 01/06/2025

DELAWARE COUNTY REGIONAL  
 WASTEWATER DISTRICT  
 DELAWARE COUNTY, INDIANA  
 CAMMACK SANITARY SEWER  
 REHABILITATION

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No.	Submitted / Revision	By	Date

Designed By: RMB Drawn By: JW Checked By: CAL  
 Issue Date: 01/2025 Project No: S0119 Scale: AS SHOWN

VICINITY MAP AND  
 DRAWING INDEX  
 Drawing No:  
**G2**  
 Sheet: 02 OF 08

## GENERAL ABBREVIATIONS

A	AIR	FLD	FILTRATE DRAIN	P/L	MATERIAL
AB	ANCHOR BOLT	FLG	FLANGE	P/J	PROPERTY LINE
AFF	ABOVE FINISH FLOOR	FL	FLUSHING LINE	POJ	PUSH ON JOINT
ALT	ALTERNATE	FLR	FLOOR	PSF	POUNDS PER SQUARE FOOT
ALUM	ALUMINUM	FM	FORCE MAIN	PSI	POUNDS PER SQUARE INCH
@	AT	FRP	FIBER REINFORCED PLASTIC	PVC	POLYVINYL CHLORIDE
APP.	APPARENT	FT	FEET OR FOOT	PW	POTABLE WATER
ATT	AERATION TANK TRANSFER	FTG	FOOTING	R	RECIRCULATION
AUTO	AUTOMATIC	FW	FINISHED WATER	RAD	RADIUS
AVG	AVERAGE	G	GAS	RAS	RETURN ACTIVATED SLUDGE
B	BAFFLE	GALV	GALVANIZED	RCP	REINFORCED CONCRETE PIPE
BLDG	BUILDING	GEN	GENERAL	RD	ROOF DRAIN
BM	BENCH MARK	GRD	GROUND OR GRADE	REINF	REINFORCING
BOT	BOTTOM	HB	HOSE BIBB	REQ'D	REQUIRED
BRG	BEARING	HORIZ	HORIZONTAL	R/W (ROW)	RIGHT-OF-WAY
CFM	CUBIC FEET PER MINUTE	HP	HORSEPOWER	SAN	SANITARY
CL	CENTERLINE	HW	HOT WATER	SAS	SANITARY SEWER
CO	CLEAN OUT	ID	INSIDE DIAMETER	SCH	SCHEDULE
COL/C	COLUMN	IJ	ISOLATION JOINT	SECT	SECTION
CONC	CONCRETE	INV	INVERT	SF	SQUARE FEET
COP	COPPER	IP	IRON PIN	SHT	SHEET
CJ	CONSTRUCTION JOINT	LAV	LAVATORY	SL	SAMPLE LINE
CW	COLD WATER	LB	POUND	SOS	STORM SEWER
CY	CUBIC YARD	LL	LIVE LOAD	SP	STOP PLATE
D	DRAIN	LLV	LONG LEG VERTICAL	SQ	SQUARE
DEC	DECANT	LTG	LIGHTING	STD	STANDARD
DIA	DIAMETER	MAX	MAXIMUM	S STL, SS	STAINLESS STEEL
DIM	DIMENSION	MCC	MOTOR CONTROL CENTER	STL	STEEL
DI	DUCTILE IRON PIPE	MGD	MILLIONS GALLONS PER DAY	SUP	SUPERNATANT
DL	DEAD LOAD	MH	MANHOLE	SY	SQUARE YARD
DSPT	DOWN SPOUT	MIN	MINIMUM, MINUTE	TOS	TOP OF SLAB
DWG	DRAWING	MJ	MECHANICAL JOINT	TOW	TOP OF WALL
E	ELECTRICAL CONDUIT	NC	NORMALLY CLOSED	TW	TERTIARY WATER
EA	EACH	NG	NATURAL GAS	TYP	TYPICAL
EF	EACH FACE	NIC	NOT IN CONTRACT	V	VACUUM OR VALVE
EFFL	EFFLUENT	NO	NORMALLY OPEN	VAR	VARIES
EL	ELEVATION	NO.	NUMBER	VERT	VERTICAL
EW	EACH WAY	NPW	NON-POTABLE WATER	W	WEIR
EX	EXISTING	OC	ON CENTER	W/	WITH
EXF	EXHAUST FAN	OD	OUTSIDE DIAMETER	W/O	WITHOUT
EXP JP	EXPANSION JOINT	OPG	OPENING	WAS	WASTE ACTIVATED SLUDGE
F	FILTER	OPP	OPPOSITE	WC	WATER CLOSET
FCAR	FLANGED COUPLING ADAPTER, RESTRAINED	PE	PULL BOX	WH	WATER HEATER
FD	FLOOR DRAIN			WL	WATER LINE
FDN	FOUNDATION			WWF	WELDED WIRE FABRIC
FH	FIRE HYDRANT			YH	YARD HYDRANT

## GENERAL NOTES

- ALL PROPERTY AND RIGHT-OF-WAY LINE INFORMATION SHOWN IN DRAWING SET ARE APPARENT AND SHALL NOT BE DEEMED EXACT LOCATIONS, UNLESS OTHERWISE NOTED. INFORMATION WAS OBTAINED VIA "INDIANA ON-LINE" GIS SHAPE FILES.
- EXISTING UTILITY INFORMATION SHOWN IN DRAWING SET, MEETS "ASCE 36-02" QUALITY LEVEL "D", UNLESS OTHERWISE NOTED.
  - UTILITY COORDINATION AND PROJECT DEPICTION OF EXISTING SUBSURFACE UTILITY DATA:
  - UTILITY QUALITY LEVEL DESCRIPTIONS:**
  - UTILITY QUALITY LEVEL A** - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATIONS OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. ACCURACY OF LOCATION MATCHES PROJECT SURVEY TOLERANCE.
  - UTILITY QUALITY LEVEL B** - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION SUBSURFACE UTILITIES. THE RELIABILITY OF THIS INFORMATION IS SURVEYED TO PROJECT CONTROL AND SUBJECT TO ACCURACY LEVELS OF THE GEOPHYSICAL TOLERANCE DEFINED BY THE PROJECT.
  - UTILITY QUALITY LEVEL C** - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND CORRELATING QUALITY LEVEL "D" INFORMATION.
  - UTILITY QUALITY LEVEL D** - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.
- NORTHING AND EASTING COORDINATES SHOWN ON ALL MANHOLE, INLETS, ETC. ARE SHOWN FROM CENTER OF STRUCTURE NOT CASTING, UNLESS OTHERWISE NOTED.
- ALL MANHOLES THAT HAVE PIPE INVERT DIFFERENTIAL OF 2' OR GREATER, SHALL BE CONSIDERED A DROP MANHOLE. CONTRACTOR SHALL REFER TO MISCELLANEOUS DETAILS AND DETAILED SPECIFICATIONS FOR MORE INFORMATION.

## GENERAL SCHEMATIC LEGEND

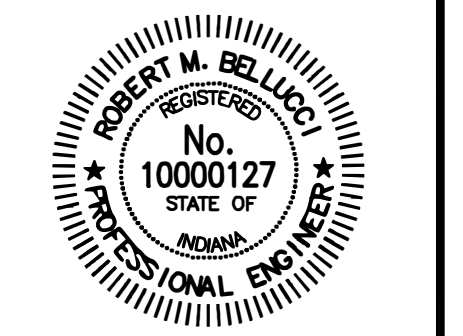
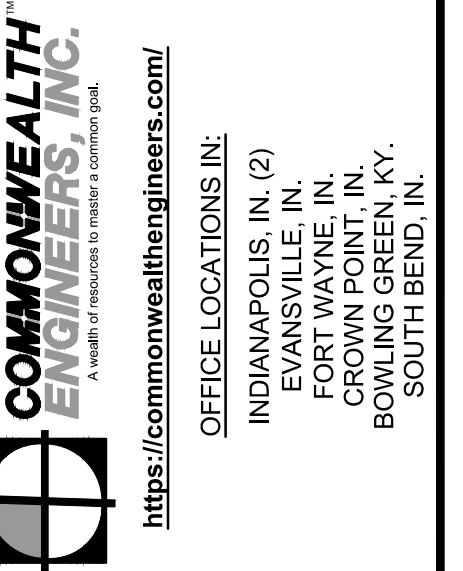
	QUICK DISCONNECT		BOOSTER PUMP
	FLANGED SPOOL SECTION		AIR RELIEF VALVE
	PRESSURE REDUCER VALVE		FLOW METER
	FLANGED COUPLING ADAPTER		GATE VALVE
	BALL CHECK VALVE		FLOW CONTROL VALVE
	MOTOR ACTUATOR		VALVE
	FLEXIBLE CONNECTION		ECCENTRIC PLUG VALVE
	FLANGE FILLER & S.S. MESH SCREEN		CHECK VALVE
	90° V-NOTCH WEIR		INCREASER / REDUCER
	MAGNETIC FLOW METER		BUTTERFLY VALVE
	ULTRASONIC SENSOR		PIPE THROUGH FLOOR / WALL
	SUBMERSIBLE PUMP		BALL VALVE
	NEW PIPING AND EQUIPMENT		BLIND FLANGE OR PLUG
	EXISTING PIPING AND EQUIPMENT		HOSE BIBB
	FUTURE PIPING AND EQUIPMENT		STOP PLATE
			WEIR

## HATCHING SYMBOLS

	-CMU WALL (PLAN VIEW)
	-GRANULAR BACKFILL (PROFILE VIEW)
	-DEMOLITION (CONTRACTOR SHALL REFER TO DETAILED SPECIFICATIONS)
	GROUT
	- CONCRETE
	- STEEL
	- COMPACTED GRANULAR BACKFILL OR COMPACTED FOUNDATION
	- ABANDONED IN PLACE

## DRAWING SET LEGEND

	EXISTING OVERHEAD TELEPHONE LINE		AC UNIT		TELEPHONE MANHOLE
	EXISTING GAS LINE AND VALVE		BOLLARD		TELEPHONE LINE MARKER
	EXISTING WATER LINE AND VALVE		BOULDER / LARGE ROCK		TRAFFIC MANHOLE
	EXISTING FIBER OPTIC LINE		CL CENTER LINE MONUMENT		WATER LINE MARKER
	EXISTING OVERHEAD ELECTRIC LINE		ROW MONUMENT		WATER METER
	EXISTING BURIED ELECTRIC		CONTROL POINT / BENCH MARK		VALVE
	EXISTING NON-POTABLE WATER LINE		DRILL HOLE		IRRIGATION CONTROL VALVE
	EXISTING POTABLE WATER LINE		MAIL BOX		FIRE HYDRANT
	EXISTING BURIED TELEPHONE LINE		FLAG POLE		FLUSH HYDRANT
	EXISTING FENCE		POST		YARD HYDRANT
	APP. R/W		STUMP		WALL SPIGOT
	APP. P/L		BUSH / HEDGE		EXISTING PIPE PLUG
	EDGE OF ROAD		DECIDUOUS TREE		STORM CATCH BASIN (SQUARE)
	EDGE OF ROAD WITH CURB		CONIFEROUS TREE		STORM CATCH BASIN (ROUND)
	785		SIGN		STORM CURB INLET
	EXISTING MINOR CONTOUR LINE		UTILITY LOCATE FLAG		STORM MANHOLE
	NEW WATER LINE		GAS LINE MARKER		SANITARY MANHOLE
	785		GAS VALVE		SANITARY VALVE
	784		GAS METER		CLEANOUT
			GUY POLE		VENT
			LIGHT POLE		NEW VALVE
			GUY WIRE		NEW FIRE HYDRANT
			ELECTRIC METER		NEW FLUSH HYDRANT
			ELECTRIC PANEL		NEW WET SADDLE AND VALVE BODY
			ELECTRIC TRANSFORMER		NEW PLUG
			HAND HOLE BOX		NEW LINE STOP
			FIBER OPTIC MARKER		NEW CUT AND CAP
			TEL/TV PEDESTAL		NEW SANITARY MH



Signature: [Signature] Date: 01/06/2025

DELAWARE COUNTY REGIONAL WASTEWATER DISTRICT  
DELAWARE COUNTY, INDIANA  
CAMMACK SANITARY SEWER REHABILITATION



Date	
By	
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No.	

Designed By:	Drawn By:	Checked By:
RMB	JW	CAL

Issue Date:	Project No:	Scale:
01/2025	S0119	AS SHOWN

GENERAL ABBREVIATIONS LEGENDS SYMBOLS AND NOTES  
Drawing No:  
**G3**  
Sheet: 03 OF 08



FOR CONTINUATION SEE DWG C2

**PLAN VIEW**

SCALE: 1"=60'-0"  
 0 60' 120'



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**ROBERT M. BELUCCI**  
 No. 10000127  
 STATE OF INDIANA  
 REGISTERED PROFESSIONAL ENGINEER

Signature: [Signature] Date: 01/06/2025

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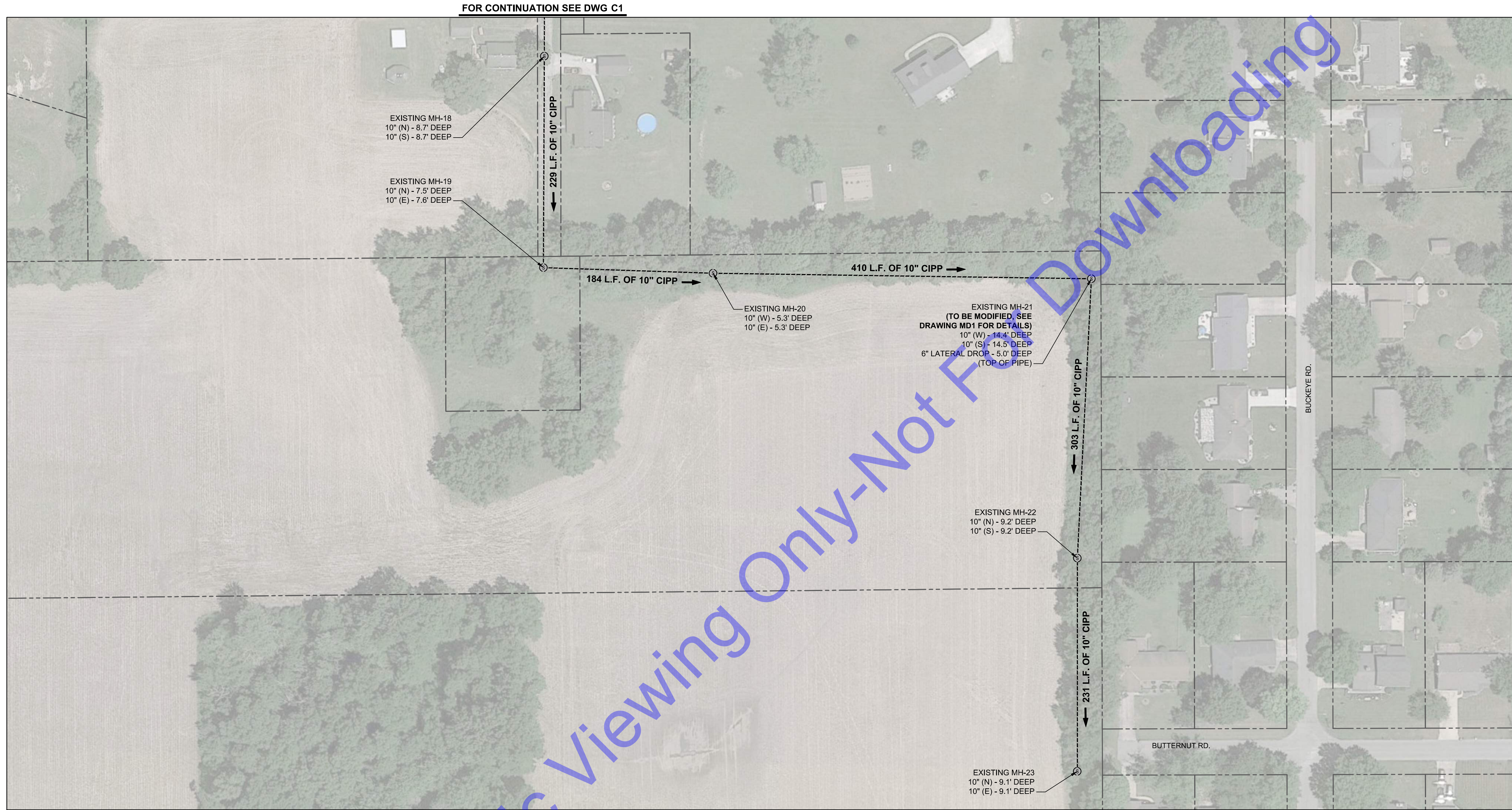
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Issue Date: 01/2025	Project No: S0119	Scale: AS SHOWN

SEWER REHABILITATION PLAN VIEW

Drawing No:  
**C1**

Sheet: 04 OF 08



FOR CONTINUATION SEE DWG C1

EXISTING MH-18  
 10" (N) - 8.7' DEEP  
 10" (S) - 8.7' DEEP

EXISTING MH-19  
 10" (N) - 7.5' DEEP  
 10" (E) - 7.6' DEEP

184 L.F. OF 10" CIPP

410 L.F. OF 10" CIPP

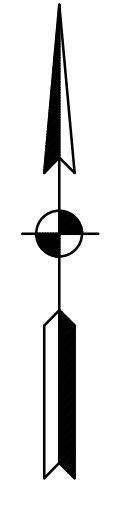
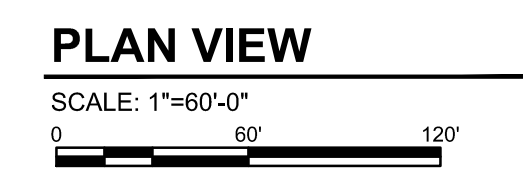
EXISTING MH-20  
 10" (W) - 5.3' DEEP  
 10" (E) - 5.3' DEEP

EXISTING MH-21  
 (TO BE MODIFIED, SEE  
 DRAWING MD1 FOR DETAILS)  
 10" (W) - 14.4' DEEP  
 10" (S) - 14.5' DEEP  
 6" LATERAL DROP - 5.0' DEEP  
 (TOP OF PIPE)

EXISTING MH-22  
 10" (N) - 9.2' DEEP  
 10" (S) - 9.2' DEEP

EXISTING MH-23  
 10" (N) - 9.1' DEEP  
 10" (E) - 9.1' DEEP

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**ROBERT M. BELLUCCI**  
 REGISTERED  
 No. 10000127  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER

*[Signature]* 01/06/2025  
 Signature Date

DELAWARE COUNTY REGIONAL  
 WASTEWATER DISTRICT  
 DELAWARE COUNTY, INDIANA

CAMMACK SANITARY SEWER  
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 Issue Date: 01/2025 Project No: S0119 Scale: AS SHOWN

**SEWER REHABILITATION PLAN VIEW**

Drawing No:  
**C2**  
 Sheet: 05 OF 08



Galaxy S21 5G

**EXISTING MH-1**  
**(SEE DRAWING C1 FOR LOCATION)**

FRAME TO BE RESET AND PROPERLY SEALED. CONTRACTOR SHALL INSTALL INTERNAL CHIMNEY SEAL. SURFACE RESTORATION VIA CONCRETE PATCH.



Galaxy S21 5G

**EXISTING MH-14**  
**(SEE DRAWING C1 FOR LOCATION)**

INSIDE DROP PIPE TO BE INSTALLED ON THE UPPERMOST INFLUENT PIPE FROM THE EAST. REFER TO DETAIL, LOWER RIGHT OF THIS DRAWING. CONTRACTOR SHALL REMOVE EXISTING STEPS.



Galaxy S21 5G

**EXISTING MH-15**  
**(SEE DRAWING C1 FOR LOCATION)**

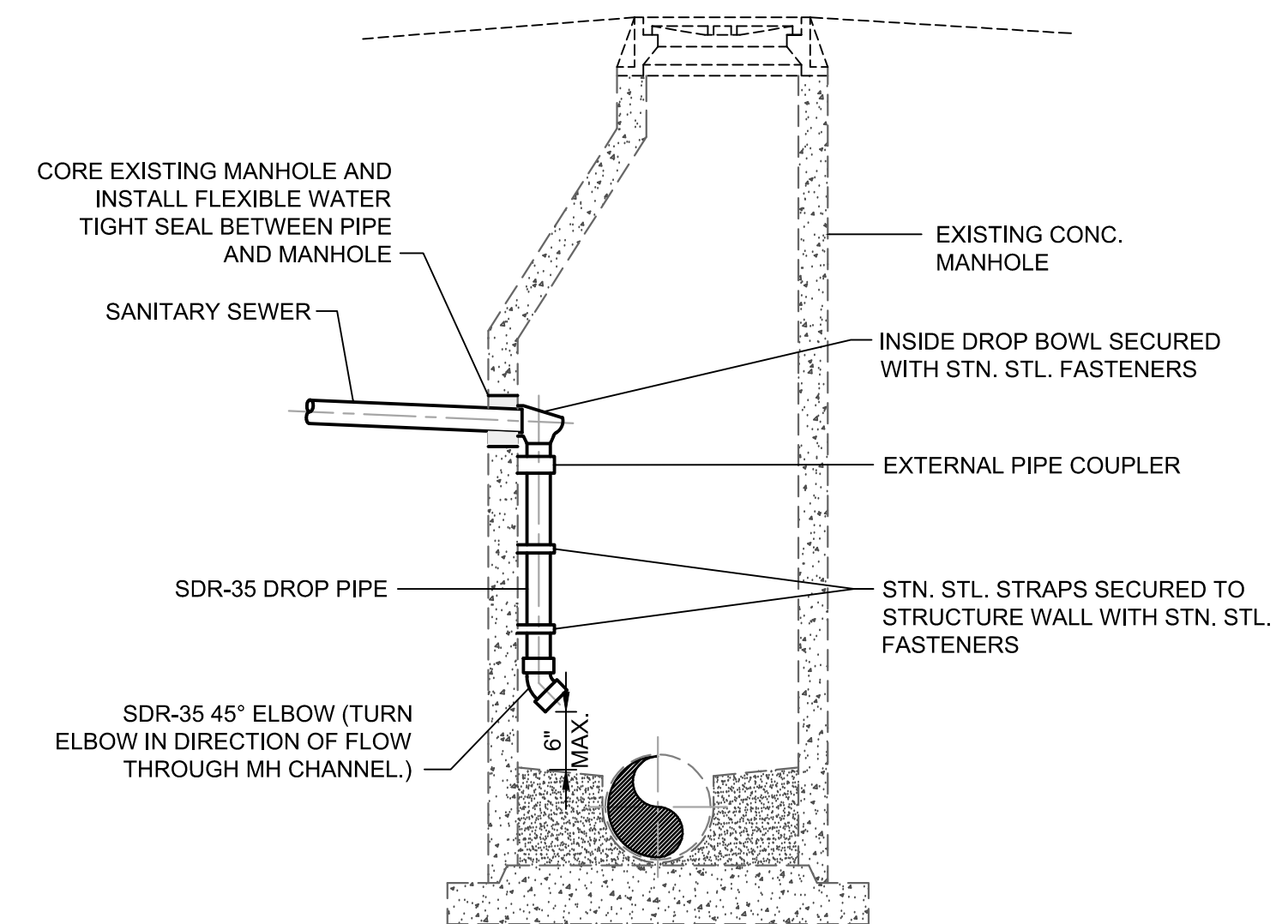
INSIDE DROP PIPE TO BE INSTALLED ON THE UPPERMOST INFLUENT PIPE FROM THE EAST. REFER TO DETAIL, LOWER RIGHT OF THIS DRAWING. CONTRACTOR SHALL REMOVE EXISTING STEPS. FRAME TO BE RESET AND PROPERLY SEALED. CONTRACTOR SHALL INSTALL INTERNAL CHIMNEY SEAL.



Galaxy S21 5G

**EXISTING MH-21**  
**(SEE DRAWING C2 FOR LOCATION)**

INSIDE DROP PIPE TO BE INSTALLED ON THE LATERAL. REFER TO DETAIL, LOWER RIGHT OF THIS DRAWING. CONTRACTOR SHALL REMOVE EXISTING STEPS.



**INSIDE DROP INTO EXISTING MANHOLE**  
NO SCALE

FILE: Z:\SHARED\CLIENTS\4\DELAWARE COUNTY\PROJECTS\2021\19 CAMMACK SANITARY SEWER REHAB\06 CADA CURRENT FILESET\DRAWINGS\DETAILS.DWG  
 Sheet: 12/2025 2:26:15 AM  
 Plotted: 12/2025 2:26:35 AM  
 Current User: John Whittney [User:JohnWhittney]

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REGISTERED PROFESSIONAL ENGINEER  
**ROBERT M. BELLUCI**  
 No. 10000127  
 STATE OF INDIANA  
 Signature: *[Signature]* Date: 01/06/2025

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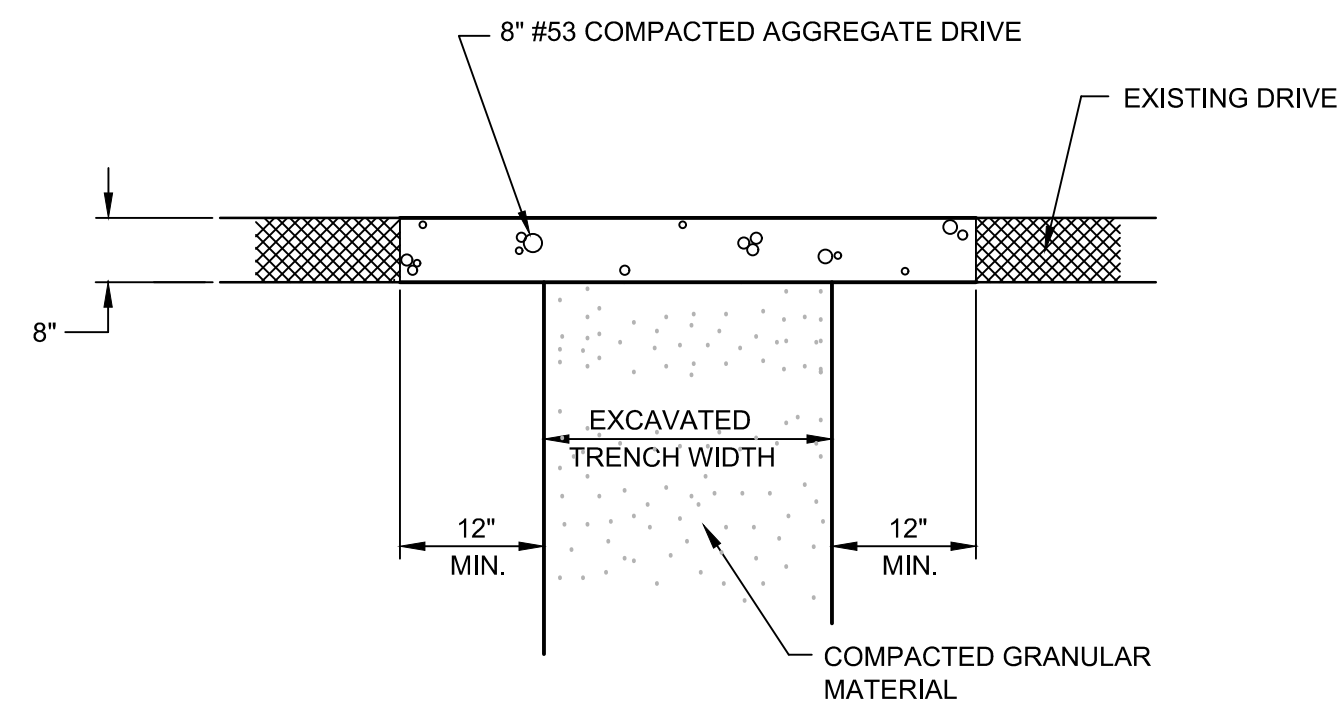
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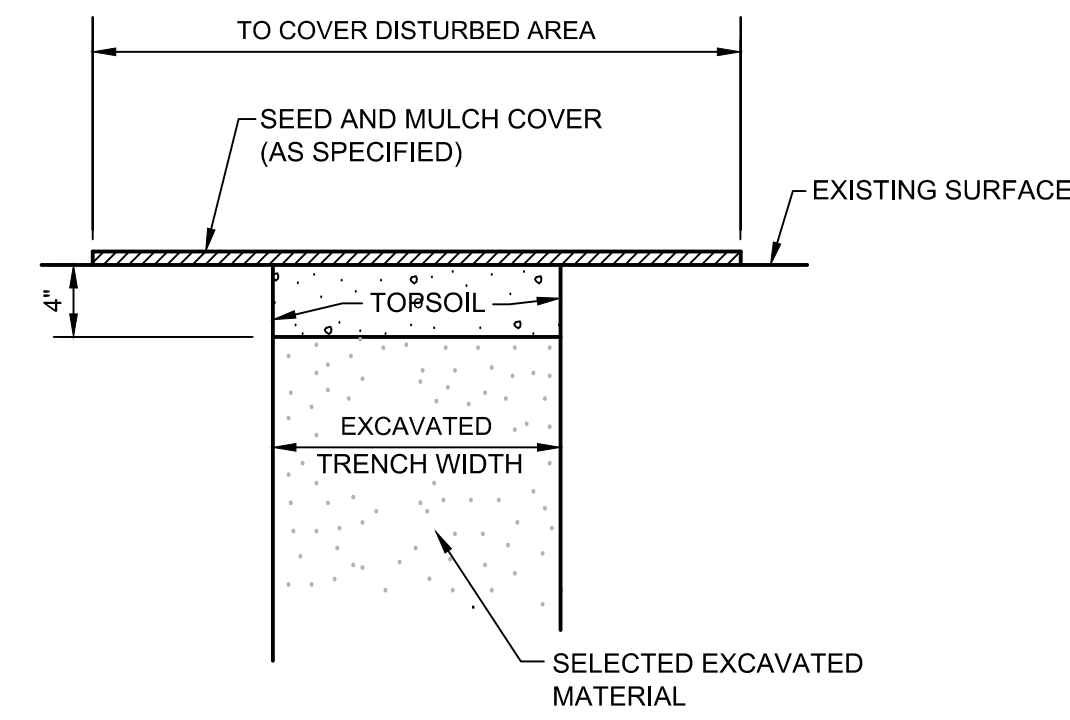
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Issue Date: 01/2025	Project No: S0119	Scale: AS SHOWN

MANHOLE REHABILITATION AND MISCELLANEOUS DETAILS

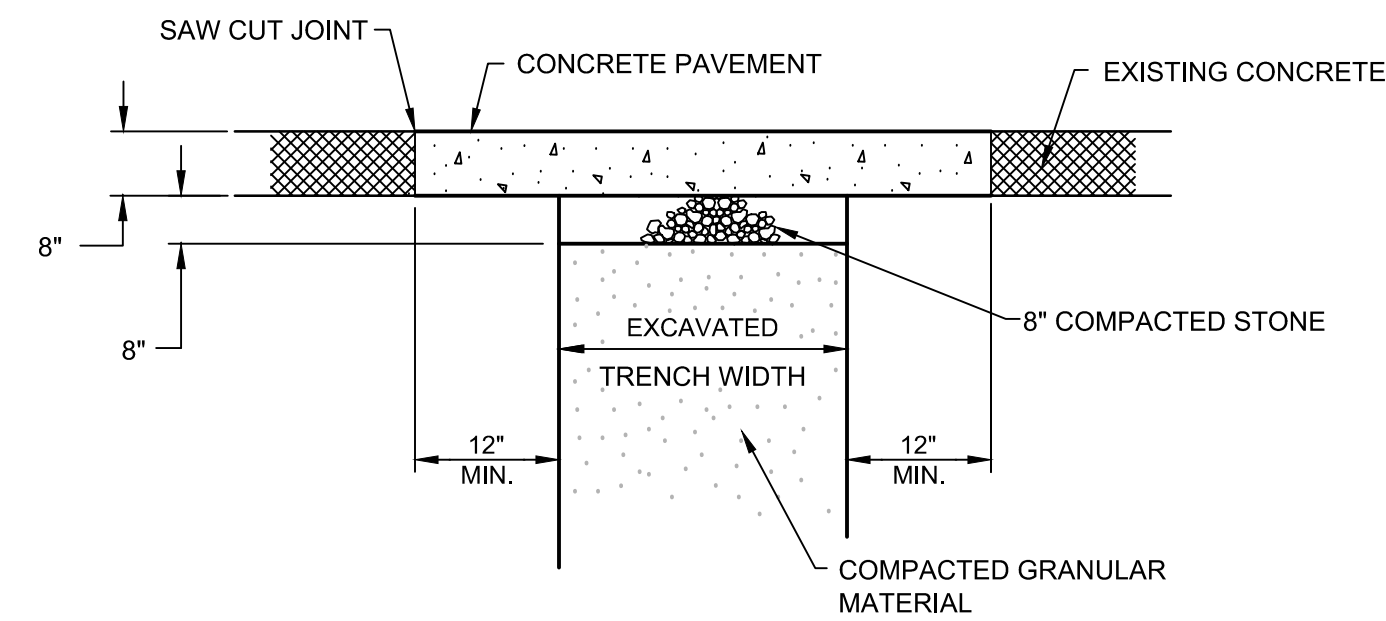
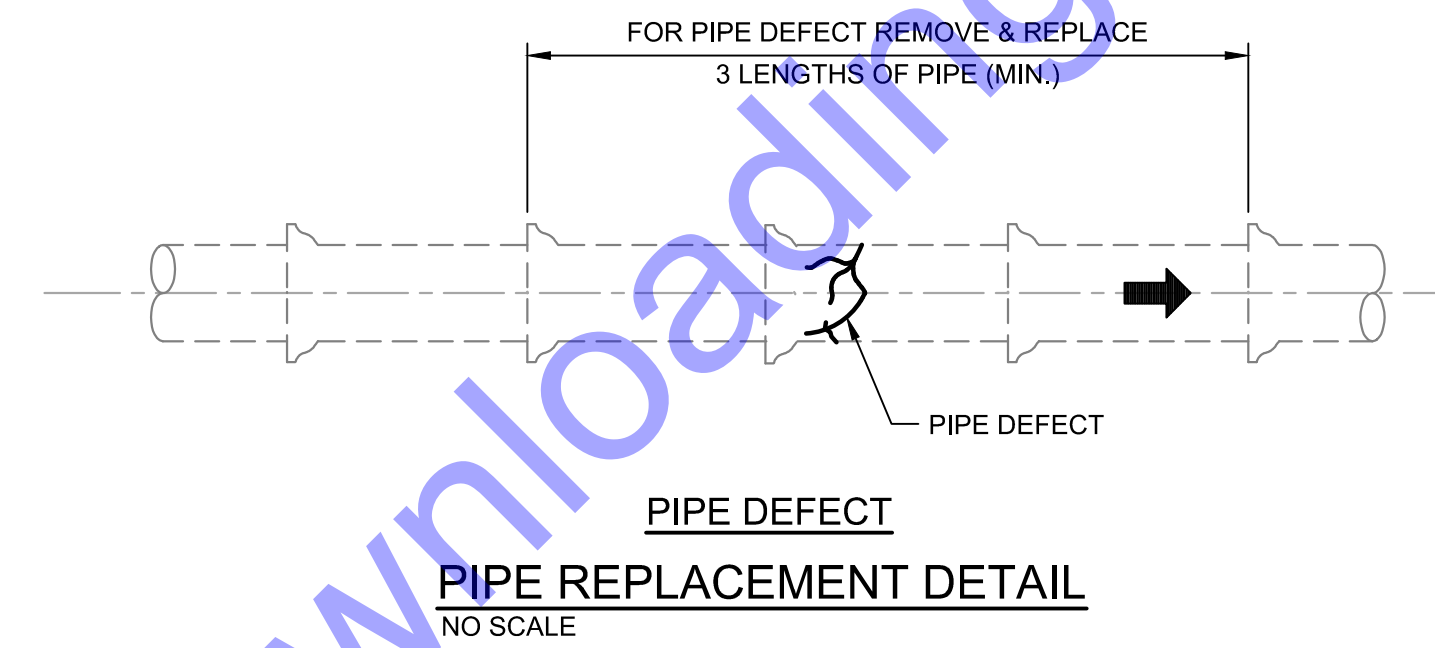
Drawing No:  
**MD1**  
 Sheet: 06 OF 08



**SURFACE RESTORATION DETAIL  
FOR GRAVEL PAVEMENT - ROAD**  
SCALE: N.T.S.

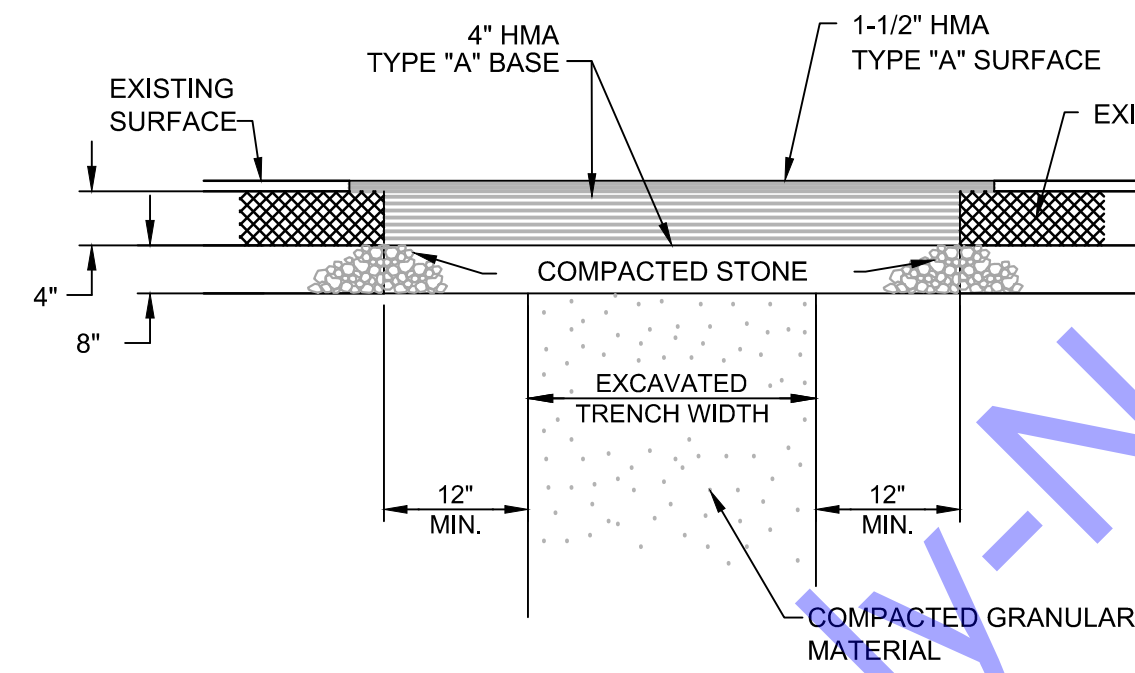


**SURFACE RESTORATION DETAIL  
FOR GRASS AREAS**  
SCALE: N.T.S.

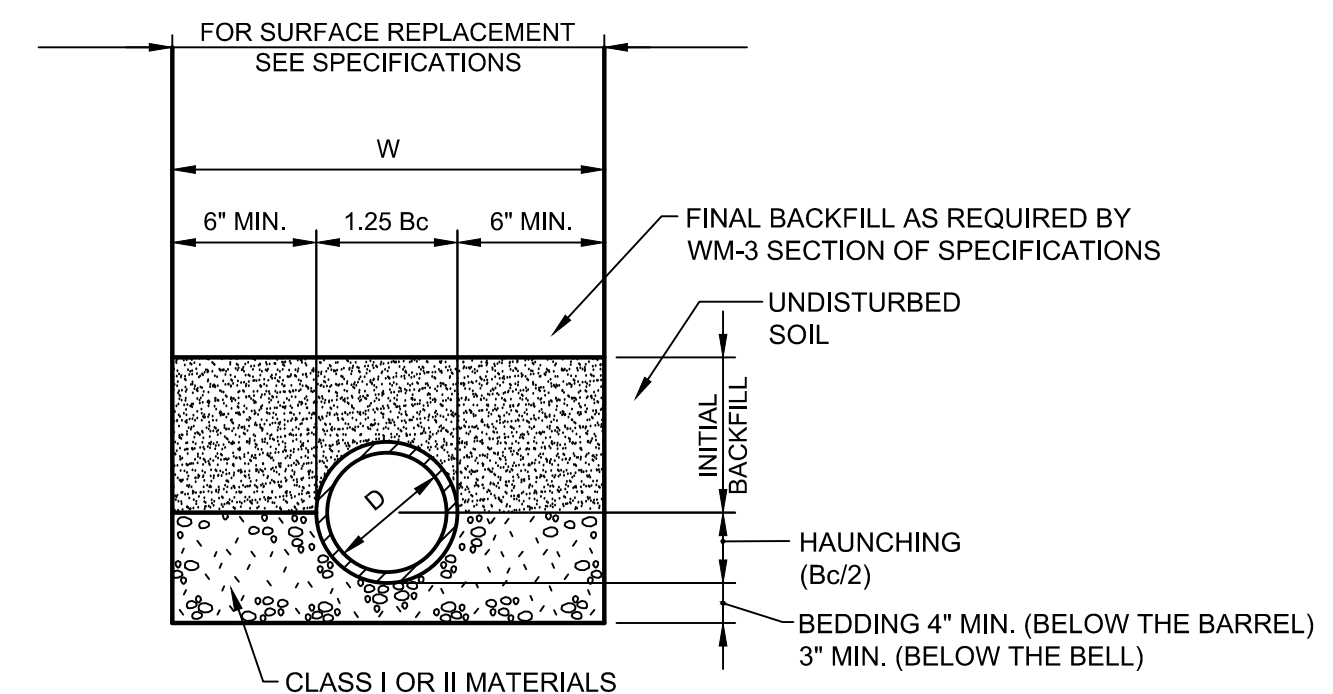


NOTE: ALL ROAD RESTORATION WITHIN THE COUNTY RIGHT-OF-WAY SHALL HAVE 8" (INCHES) OF CONCRETE. USE RIGHT-OF-WAY PERMIT REQUIREMENTS IN PART 7 OF THE PROJECT SPECIFICATIONS.

**SURFACE RESTORATION DETAIL  
FOR CONCRETE PAVEMENT - DRIVE**  
SCALE: N.T.S.



**SURFACE RESTORATION DETAIL  
FOR ASPHALT PAVEMENT - ROAD**  
SCALE: N.T.S.

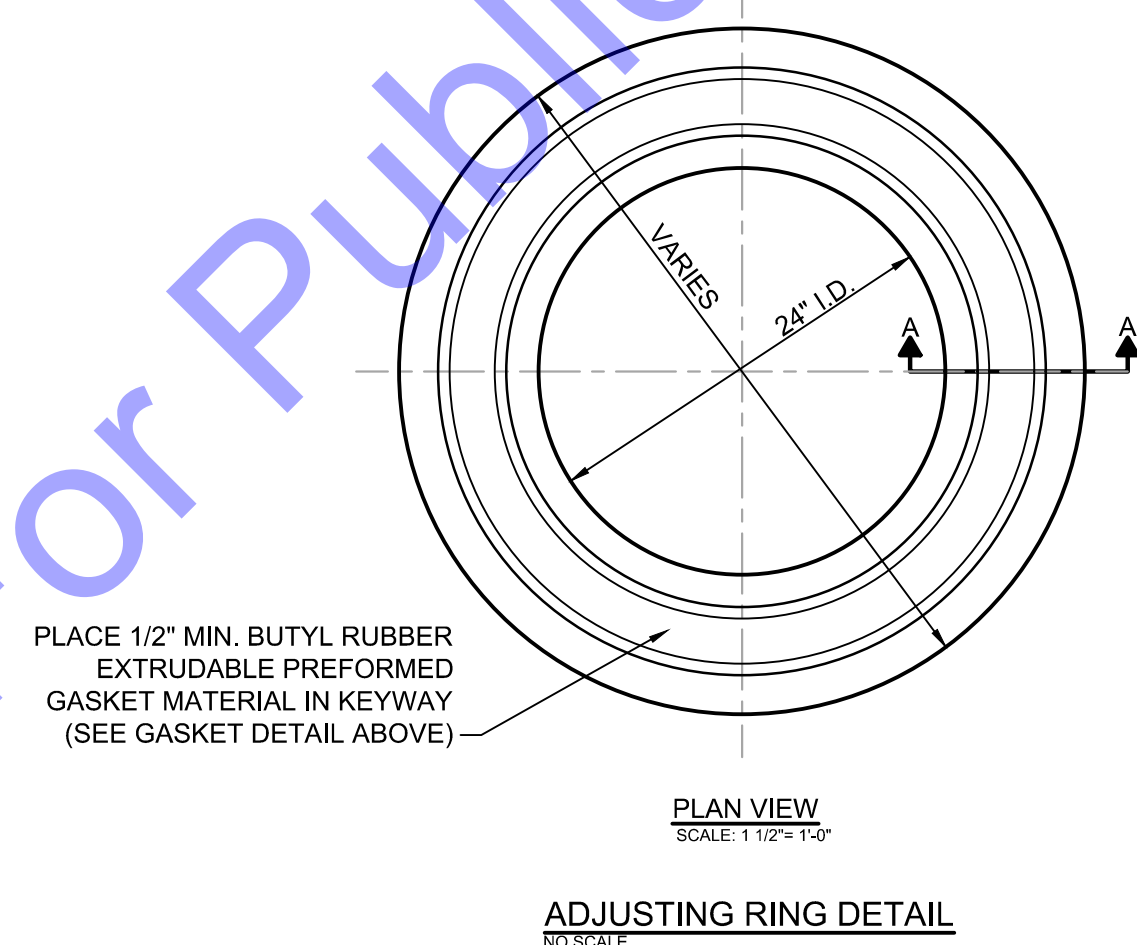
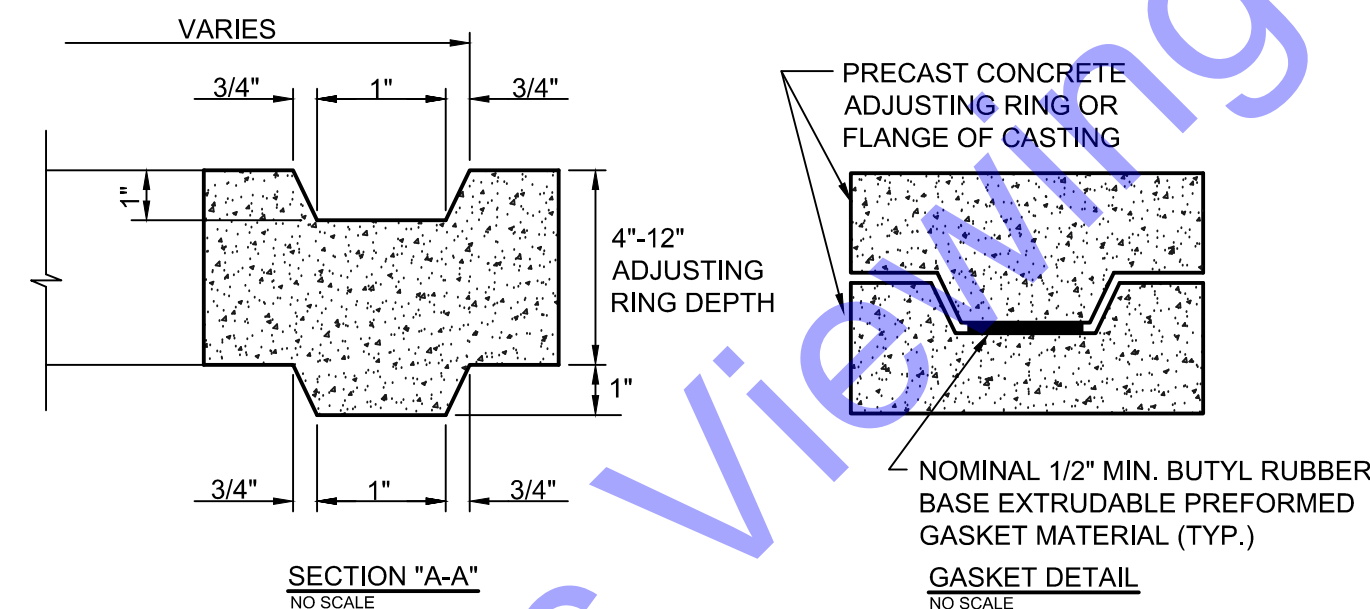


W= MAXIMUM ALLOWABLE TRENCH WIDTH FOR PIPE AS PER ASTM NOT TO EXCEED FOUR (4) FEET FOR 6" THROUGH 24" PIPE NOT SIX (6) FEET FOR 27" THROUGH 48" PIPE  
D= PIPE DIAMETER (INTERNAL)  
Bc= PIPE DIAMETER (EXTERNAL)

**NOTES:**

1. COMPACTED BEDDING STOPS AT SPRING-LINE OF THE PIPE. BACKFILLING ABOVE THIS POINT SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND AS REQUIRED HEREIN.
2. WHEN CLASS I MATERIAL IS USED FOR BEDDING COMPACTION MAY BE ACCOMPLISHED BY HAND OR MECHANICAL TAMPING
3. WHEN CLASS II MATERIAL IS USED FOR BEDDING, COMPACTION SHALL BE ACCOMPLISHED ONLY BY HAND OR MECHANICAL TAMPING TO A MIN. OF 95% STANDARD PROCTOR DENSITY.
4. WORK FALLING UNDER THE JURISDICTION OF THE INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) SHALL UTILIZE COMPACTED GRANULAR BACKFILL MATERIAL FOR INITIAL AND FINAL BACKFILL ANYWHERE WITHIN 12 FEET OF THE EDGE OF PAVEMENT. FOR ALL OTHER NON-INDOT PAVEMENT AREAS (INCLUDING BOTH HARD SURFACED AND COMPACTED AGGREGATE), COMPACTED GRANULAR BACKFILL MATERIAL SHALL BE USED WITHIN 5 FEET OF THE EDGE OF THE PAVEMENT.

**TRENCH DETAIL FOR RIGID CONDUITS**  
NO SCALE



PLACE 1/2" MIN. BUTYL RUBBER EXTRUDABLE PREFORMED GASKET MATERIAL IN KEYWAY (SEE GASKET DETAIL ABOVE)

**ADJUSTING RING DETAIL**  
NO SCALE

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**ROBERT M. BELLUCCI**  
REGISTERED PROFESSIONAL ENGINEER  
No. 10000127  
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Signature: [Signature] Date: 01/06/2025

DELAWARE COUNTY REGIONAL WASTEWATER DISTRICT  
DELAWARE COUNTY, INDIANA  
CAMMACK SANITARY SEWER REHABILITATION

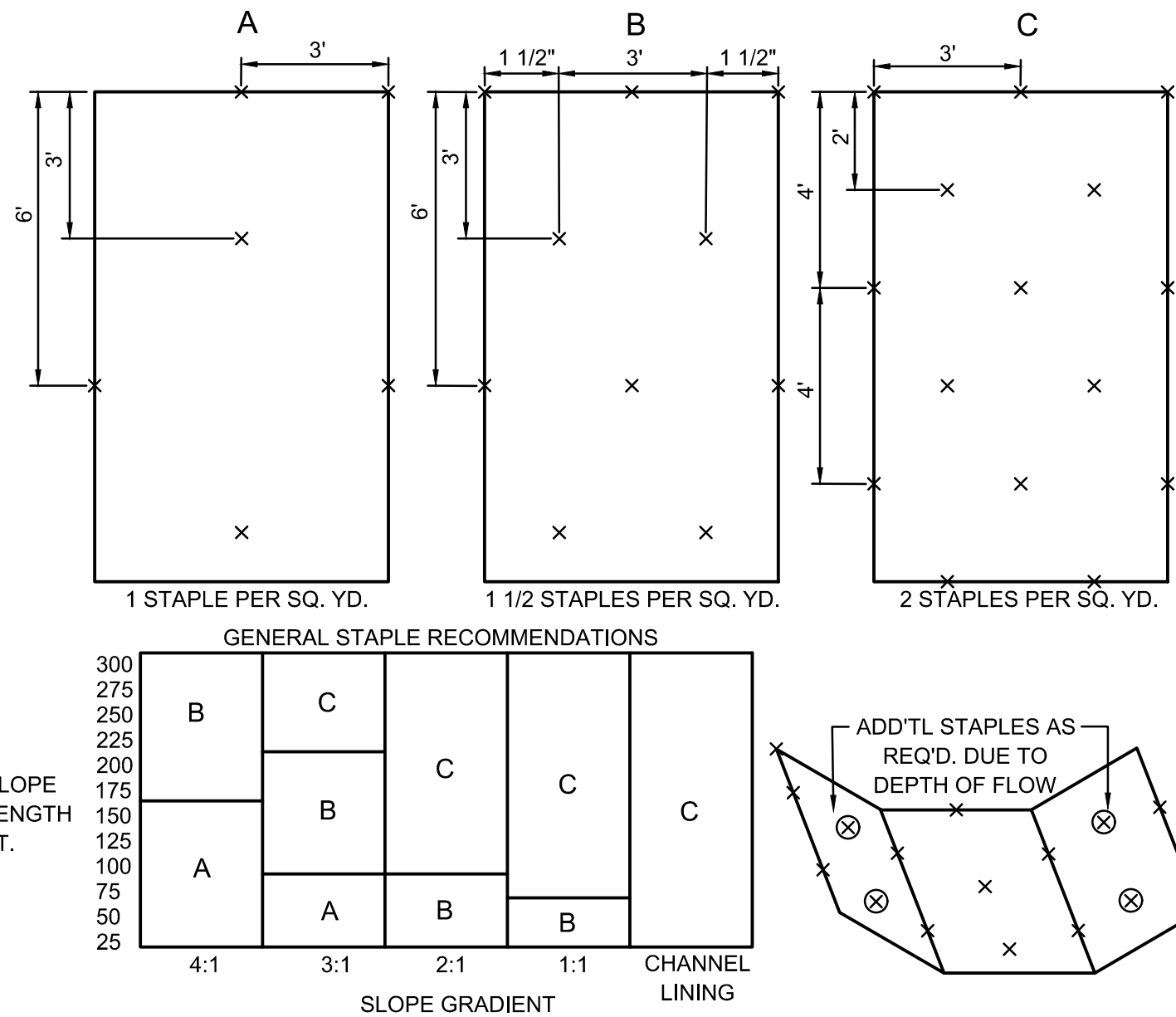
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No.	Submittal / Revision	Date	By

Designed By: RMB	Drawn By: JW	Checked By: CAL
Issue Date: 01/2025	Project No: S0119	Scale: AS SHOWN

MISCELLANEOUS DETAILS

Drawing No: **MD2**  
Sheet: 07 OF 08



**EROSION CONTROL BLANKET**  
NOT TO SCALE

**SPECIFICATIONS**  
EFFECTIVE LIFE  
• THE FUNCTIONAL LIFE OF AN EROSION CONTROL BLANKET IS DEPENDENT ON THE MATERIALS USED.

**ANCHORING**  
• STAPLES, PINS OR STAKES USED TO PREVENT MOVEMENT OR DISPLACEMENT OF BLANKET. (FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS.)

**MATERIALS**  
• ORGANIC (STRAW, EXCELSIOR, WOVEN PAPER, COCONUT FIBER, ETC.) OR SYNTHETIC MULCH INCORPORATED WITH A POLYPROPYLENE, NATURAL FIBER OR SIMILAR NETTING MATERIAL. (THE NETTING MAY BE BIODEGRADABLE, PHOTODEGRADABLE OR PERMANENT.)

NOTE: SOME EROSION CONTROL BLANKET NETTINGS MAY POSE A THREAT TO CERTAIN SPECIES OF WILDLIFE IF THEY BECOME ENTANGLED IN THE NETTING MATRIX.

• SIX TO 12-INCH STAPLES, PINS, OR STAKES.

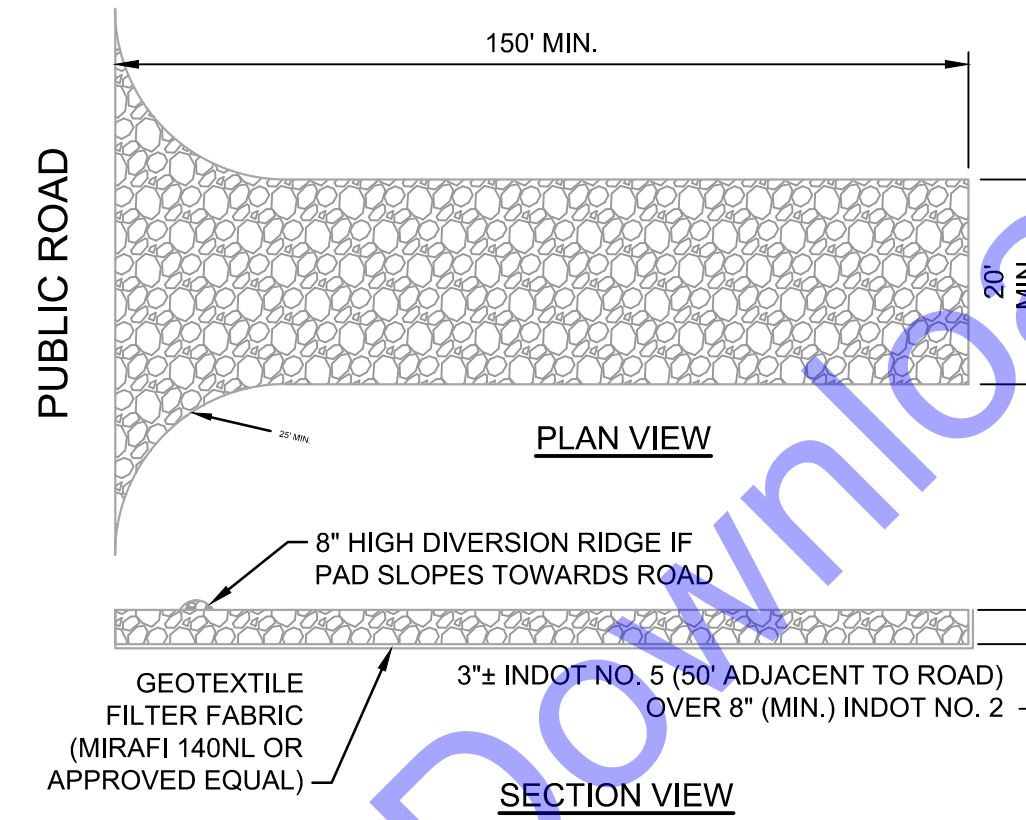
**INSTALLATION**  
1. SELECT THE TYPE AND WEIGHT OF EROSION CONTROL BLANKET TO FIT THE SITE CONDITIONS (E.G., SLOPE, CHANNEL FLOW VELOCITY) PER THE MANUFACTURER'S RECOMMENDATIONS.  
2. PREPARE THE SEEDBED, ADD SOIL AMENDMENTS, AND PERMANENTLY SEED THE AREA IMMEDIATELY FOLLOWING SEEDBED PREPARATION.  
3. LAY EROSION CONTROL BLANKETS ON THE SEEDBED AREA SO THAT THEY ARE IN CONTINUOUS CONTACT WITH THE SOIL WITH EACH UP-SLOPE OR UP-STREAM BLANKET OVERLAPPING THE DOWN-SLOPE OR DOWN-STREAM BLANKET BY AT LEAST EIGHT INCHES, OR FOLLOW MANUFACTURER'S RECOMMENDATIONS.  
4. TUCK THE UPPERMOST EDGE OF THE UPPER BLANKETS INTO A CHECK SLOT (SLIT TRENCH), BACKFILL WITH SOIL AND TAMP DOWN. IN CERTAIN APPLICATIONS, THE MANUFACTURER MAY REQUIRE ADDITION CHECK SLOTS AT SPECIFIC LOCATIONS DOWN SLOPE FROM THE UPPERMOST EDGE OF THE UPPER BLANKETS.  
5. ANCHOR THE BLANKETS IN PLACE BY DRIVING STAPLES, PINS, OR STAKES THROUGH THE BLANKET AND INTO THE UNDERLYING SOIL. FOLLOW AN ANCHORING PATTERN APPROPRIATE FOR THE SITE CONDITIONS AND AS RECOMMENDED BY THE MANUFACTURER.

**MAINTENANCE**  
• INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.  
• CHECK FOR EROSION OR DISPLACEMENT OF THE BLANKET.  
• IF ANY AREA SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET COVERING THE ERODED AREA, ADD SOIL AND TAMP, RESEED THE AREA, REPLACE AND STAPLE THE BLANKET.

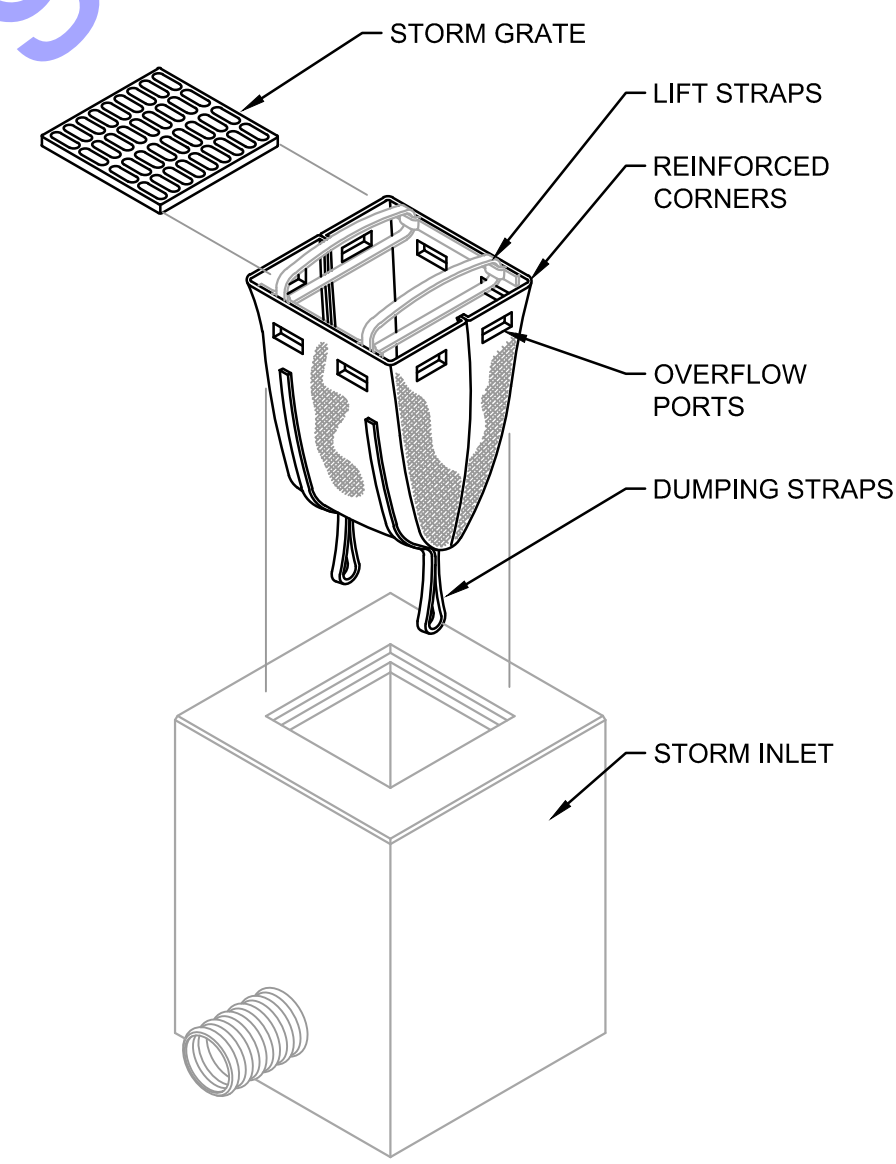
**NOTES**  
CHANNEL LININGS UTILIZE STAPLE PATTERN "C" WITH ADDITIONAL STAPLES ON SIDE SLOPES AT PROJECTED WATER LINE.

STAPLE PATTERNS APPLY TO ALL NORTH AMERICAN GREEN EROSION CONTROL BLANKETS. STAPLE PATTERNS MAY VARY DEPENDING UPON SOIL TYPE AND AVERAGE RAINFALL.

AT SLOPE LENGTHS GREATER THAN 300 FEET OR WHERE DRAINAGE OVER LARGE AREAS IS DIRECTED ONTO THE BLANKETS, STAPLE PATTERN "C" SHOULD BE UTILIZED.



**STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
NO SCALE

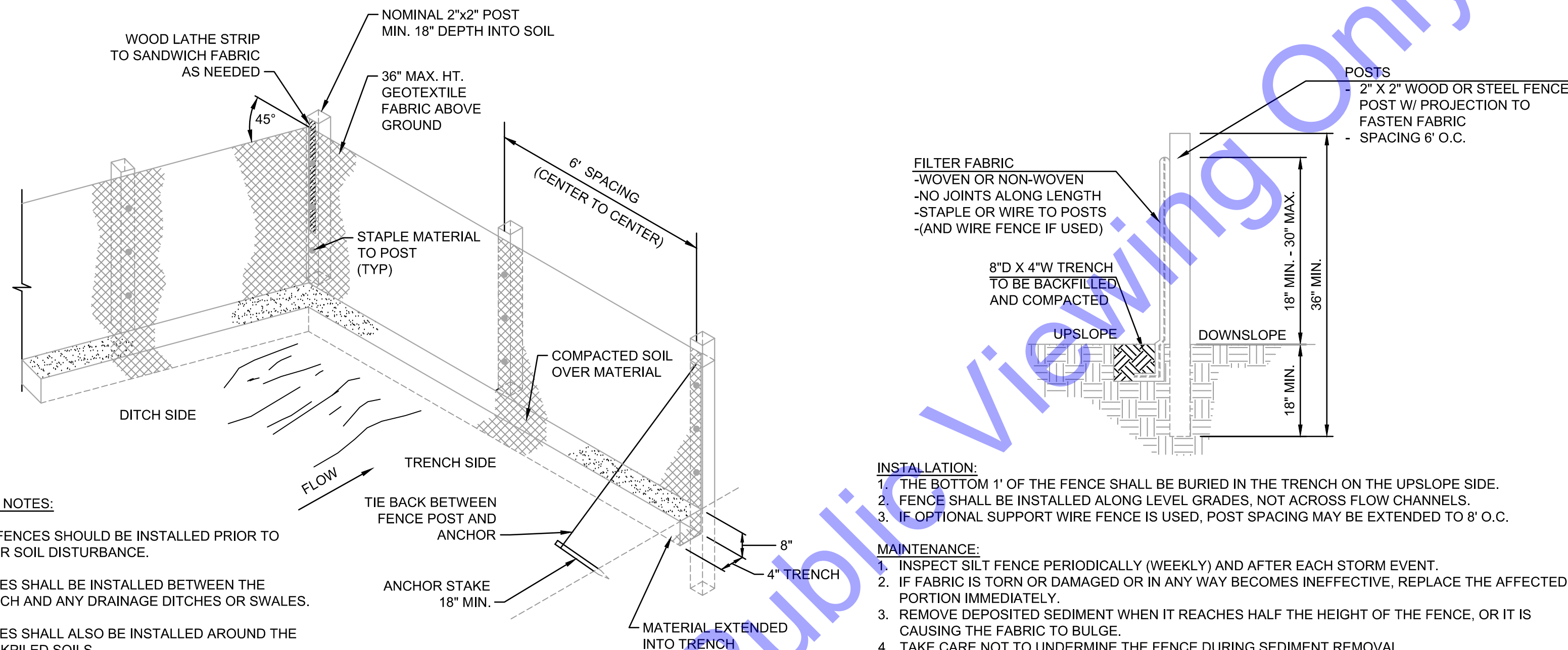


**INSERT (BASKET) INLET PROTECTION DETAIL**  
NO SCALE

**GENERAL EROSION AND SEDIMENT CONTROL NOTES**

- ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE INDIANA STORM WATER QUALITY MANUAL FROM THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND LOCAL EROSION AND SEDIMENT CONTROL ORDINANCE, OR SWCD.
- THE NOTICE OF INTENT (NOI) AND PUBLIC NOTICE FOR THE PROJECT SHALL BE POSTED ON A SIGN INSTALLED AT OR NEAR THE SITE CONSTRUCTION TRAILER. THE NOI SHALL LIST THE CONTACT INFORMATION FOR THE SITE CONTACT PERSON. THE SIGN AND INFORMATION SHALL BE MAINTAINED AND REMAIN LEGIBLE THROUGHOUT CONSTRUCTION.
- A COPY OF THIS EROSION AND SEDIMENT CONTROL PLAN AND THE EROSION AND SEDIMENT CONTROL REPORT SHALL BE AVAILABLE AT THE PROJECT SITE THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL CONTROL WASTE, GARBAGE, DEBRIS, WASTEWATER, AND OTHER SUBSTANCES ON THE SITE SO THEY WILL NOT BE TRANSPORTED FROM THE SITE BY THE ACTION OF WIND, STORM WATER RUNOFF, OR OTHER FORCES. PROPER DISPOSAL OR MANAGEMENT OF ALL WASTES AND UNUSED BUILDING MATERIAL APPROPRIATE TO THE NATURE OF THE WASTE OR MATERIAL IS REQUIRED.
- PUBLIC OR PRIVATE ROADWAYS SHALL BE KEPT CLEAR OF ACCUMULATED SEDIMENT. ALL SEDIMENT THAT IS CLEARED MUST BE RETURNED TO THE LIKELY POINT OF ORIGIN OR OTHER SUITABLE LOCATION. CLEARING OF LARGE AMOUNTS OF SEDIMENT SHALL NOT INCLUDE FLUSHING THE AREA WITH WATER.
- MINIMIZE THE EXPOSURE OF BARE EARTH BY LIMITING THE WORK AREA TO THAT NECESSARY TO PERFORM THE WORK, AND BY PROPER SCHEDULING OF MANPOWER AND EQUIPMENT.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED, CLEANED, AND MAINTAINED FOLLOWING EACH STORM EVENT.
- WHEREVER POSSIBLE, MAINTAIN EXISTING VEGETATIVE COVER. USE NON-VEGETATIVE MATERIAL INCLUDING MULCH, EROSION BLANKETS, OR STONE TO CONTROL EROSION FROM DISTURBED AREAS.
- A LOG SHALL BE MAINTAINED OF ALL INSPECTIONS (WEEKLY, AND FOLLOWING STORM EVENTS), MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT CONTROL MEASURES. THE LOG SHALL BE MAINTAINED ON SITE AND BE AVAILABLE UPON REQUEST TO THE OWNERS REPRESENTATIVES AND THE OPERATING AUTHORITIES HAVING JURISDICTION OVER THE SITE.

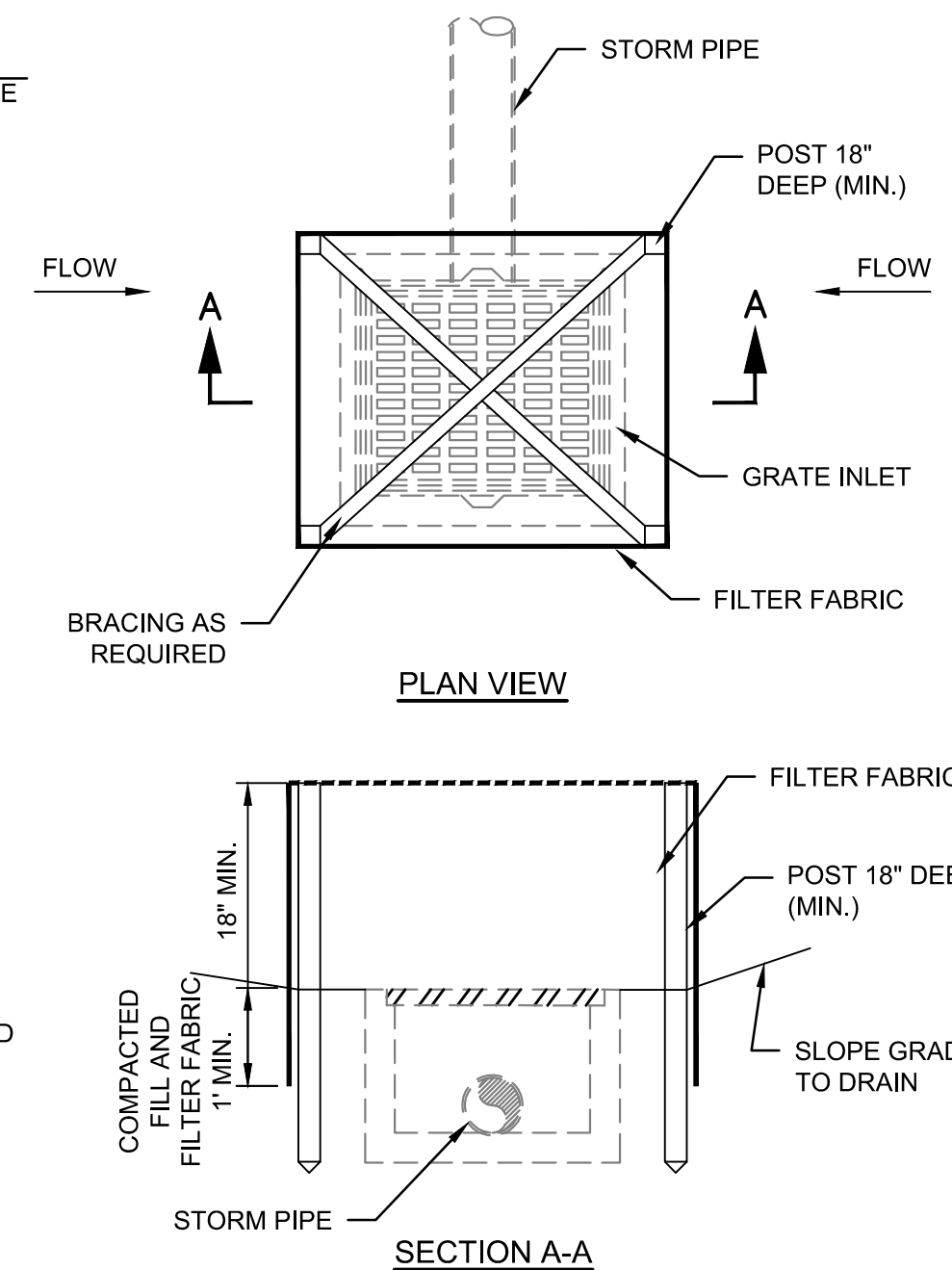
- GENERAL NOTES:**
- SILT FENCES SHOULD BE INSTALLED PRIOR TO MAJOR SOIL DISTURBANCE.
  - FENCES SHALL BE INSTALLED BETWEEN THE TRENCH AND ANY DRAINAGE DITCHES OR SWALES.
  - FENCES SHALL ALSO BE INSTALLED AROUND THE STOCKPILED SOILS.
  - THE GEOTEXTILE SHALL BE FREE FROM DEFECTS, TEARS, PUNCTURES, FLAWS, DETERIORATION OR DAMAGE INCURRED DURING MANUFACTURE, TRANSPORTATION, STORAGE, OR INSTALLATION.
  - TIE BACKS SHALL BE PLACED AS REQUIRED.



**SILT FENCE DETAIL**  
NOT TO SCALE

**INSTALLATION:**  
1. THE BOTTOM 1' OF THE FENCE SHALL BE BURIED IN THE TRENCH ON THE UPSLOPE SIDE.  
2. FENCE SHALL BE INSTALLED ALONG LEVEL GRADES, NOT ACROSS FLOW CHANNELS.  
3. IF OPTIONAL SUPPORT WIRE FENCE IS USED, POST SPACING MAY BE EXTENDED TO 8' O.C.

**MAINTENANCE:**  
1. INSPECT SILT FENCE PERIODICALLY (WEEKLY) AND AFTER EACH STORM EVENT.  
2. IF FABRIC IS TORN OR DAMAGED OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.  
3. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE, OR IT IS CAUSING THE FABRIC TO BULGE.  
4. TAKE CARE NOT TO UNDERMINE THE FENCE DURING SEDIMENT REMOVAL.  
5. AFTER THE CONTRIBUTING AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND REMAINING SEDIMENT. BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.



**STORM INLET WITH SILT FENCE EROSION DETAIL**  
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REGISTERED PROFESSIONAL ENGINEER  
No. 10000127  
STATE OF INDIANA  
Signature: [Signature] Date: 01/06/2025

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DELAWARE COUNTY, INDIANA  
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Designed By: RMB	Drawn By: JW	Checked By: CAL
Issue Date: 01/2025	Project No: S0119	Scale: AS SHOWN

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Drawing No: MD3  
Sheet: 08 OF 08

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Sheet: 12/20/25 2:26:15 AM  
Plotted: 12/20/25 2:29:27 AM  
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