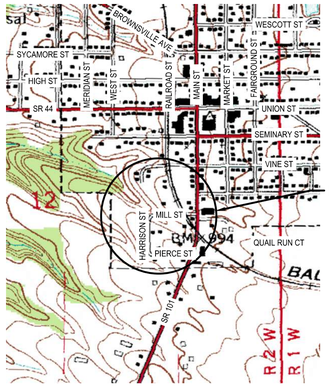
HARRISON ST WATER AND SEWER MAIN REPLACEMENT

FOR THE

TOWN OF LIBERTY, INDIANA

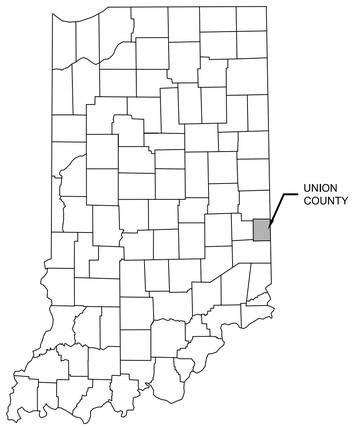


PROJECT LOCATION

TOWN OF LIBERTY

VICINITY MAP

SCALE: NONE



STATE LOCATION MAP

SCALE: NONE

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DRAWINGS PREPARED FOR:

TOWN COUNCIL

JERRY KAHL, COUNCIL PRESIDENT

JEFF LANG, MEMBER

DERREK JENKINS, MEMBER

ROSS KEASLING, MEMBER

DERECK TIPTON, MEMBER

JAMES WILLIAM, ATTORNEY

MELISSA SHEPLER, CLERK-TREASURER

MATT REUSS, WATER SUPERINTENDENT

DYLAN RIPBERGER, WATER OPERATOR

AUGUST 2026

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INDIANAPOLIS
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Indianapolis, Indiana 46227
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PROJECT NO. 301726-04-001

ADAM MICHAEL SITKA
REGISTERED
No. 11800826
STATE OF INDIANA
PROFESSIONAL ENGINEER
8/21/2026

ADAM MICHAEL SITKA
REGISTERED ENGINEER STATE OF INDIANA NO. 11800826

Drawing: X:\Liberty\301726 Liberty Harrison St Emer WMDWG\Sheets\301726-GS.dwg | Layout: 1G1 | Plotted: 08/24/26 @ 09:03:13 | LastSavedBy: MasonF

IMAGERY FROM INDIANA STATE MAP.

LOCATION AND SCOPE OF WORK PLAN

0 50 100 200 FT
1" = 100'

HORIZONTAL AND VERTICAL CONTROL INFORMATION

NOTES:
1. A FIELD SURVEY WAS PERFORMED IN APRIL 2026.
2. COORDINATES (INDIANA STATE PLANE, EAST ZONE, NAD 83) AND ELEVATIONS (NAVD 88) ARE BASED ON INCORS.
3. UNITS ARE U.S. SURVEY FEET.
4. CONTROL POINTS WERE SET USING GPS.
5. A LEVEL LOOP WAS PERFORMED ON THE CONTROL POINTS AND TBMS.
6. GPS ELEVATION TRANSFER FROM A USGS SURVEY DISK STAMPED "K-I-1" DATED 1928 TO CP1 OF THE PROJECT.

BENCHMARK DESCRIPTION:
1. TBM NO. 8 - CUT SQUARE ON THE NORTH END OF SIDEWALL ON BACK SIDE OF LIFT STATION AT HARRISON STREET.
   EL 966.35
2. TBM NO. 9 - CUT SQUARE ON THE SOUTH END OF CURBING FOR CONCRETE DRAINAGE STRUCTURE AT THE NORTH END OF MILES RICHMOND PARKING LOT.
   EL 992.24
3. BM - USGS SURVEY DISK SET VERTICALLY IN THE UNION COUNTY COURT HOUSE STAMPED "K-I-1", DATED 1928, LOCATED AT THE FIRST DOOR ENTRANCE TO THE NORTH MAIN ENTRANCE OF THE COURT HOUSE, IN THE EAST FACING OF THE STONE MASONRY DOOR FACING, 1.4 FEET ABOVE THE SIDEWALK.
   EL 991.96

CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 1	1597646.301	534627.768	964.67	5/8" REBAR
CP 2	1597484.226	534925.212	978.75	5/8" REBAR
CP 3	1597412.369	534657.644	981.59	5/8" REBAR
CP 4	1597012.361	534675.326	983.94	5/8" REBAR
CP 5	1597003.830	535023.930	993.03	5/8" REBAR
CP 6	1596980.198	535256.305	994.08	5/8" REBAR
CP 7	1597923.119	534618.339	973.52	MAGNAIL
CP 10	1597930.683	534643.516	974.03	MAGNAIL

DRAWING INDEX

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	APPROVED BY	AMS				
	ISSUE DATE	AUGUST 2026				
	PROJECT NUMBER	301726-04-001				

ADAM MICHAEL SITKA REGISTERED No. 11800826 STATE OF INDIANA PROFESSIONAL ENGINEER
8/27/2026

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HARRISON ST WATER AND SEWER MAIN REPLACEMENT

TOWN OF LIBERTY, INDIANA

LOCATION PLAN AND DRAWING INDEX

SHEET NO. 02

TOTAL SHEETS 13

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EXISTING FEATURES LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
BM	BENCH MARK	DB	CISTERN		EASEMENT - CONSTRUCTION/PERMANENT
TBM	TEMPORARY BENCH MARK	E/M	ELECTRIC METER		LOT BOUNDARY
SB-01	SOIL BORING LOCATION	AC	AIR CONDITIONING UNIT	R	PROPERTY BOUNDARY
	SECTION CORNER	XXX	UTILITY RISER (DEFINED BY UTILITY)		RIGHT-OF-WAY - TEMPORARY/PERMANENT
	DRILL HOLE IN CONCRETE/HARRISON MONUMENT	XXX	UTILITY PEDESTAL (DEFINED BY UTILITY)		SECTION BOUNDARY
CP	CONTROL POINT (SET/FOUND)	X	UTILITY MARKER (DEFINED BY UTILITY)		WETLANDS
MG	MAGNETIC NAIL (SET/FOUND)	J	JOINT POWER/TELEPHONE POLE	849	CONTOUR - INTERMEDIATE ELEVATION
BS	BOAT SPIKE (SET/FOUND)	L	LIGHT POLE	850	CONTOUR - INDEX ELEVATION
PK	PK NAIL (SET/FOUND)	LP	LIGHT ON POWER POLE	OHE OHE	OVERHEAD ELECTRIC
RS	RAILROAD SPIKE (SET/FOUND)	LJ	LIGHT ON JOINT POLE	OHC OHC	OVERHEAD CABLE TV
R/W	R/W MARKER - CONCRETE/GRANITE/STONE	P	POWER POLE	OHT OHT	OVERHEAD TELEPHONE
	IRON PIPE/IRON PIN/REBAR (WITH DIAMETER)	T	TELEPHONE POLE	UGC UGC	UNDERGROUND CABLE TV
BP	BRASS PLUG		LAMP POST	UGE UGE	UNDERGROUND ELECTRIC
C	CABLE TV MANHOLE		GUY ANCHOR	UGF UGF	UNDERGROUND FIBER OPTIC
E	ELECTRIC MANHOLE		GUY POLE OR STUB	G G G	GAS MAIN
G	GAS MANHOLE		CONTROLLER CABINET	DG DG	DIGESTER GAS
O	OTHER MANHOLE	FP	FLAG POLE	P P P	PETROLEUM MAIN
T	TELEPHONE MANHOLE		POST	UGT UGT	UNDERGROUND TELEPHONE
TEL	TELEPHONE VAULT		GROUND LIGHT	W W W	WATER MAIN
I	TRAFFIC MANHOLE	M	MAILBOX	W W W	WATER SERVICE
H	TRAFFIC HANDHOLE	M M	DOUBLE/MULTIPLE MAILBOX	FM FM	FORCEMAIN
W	WATER MANHOLE		MAST ARM POLE		GRAVITY SEWER PIPE
A	AIR RELEASE VALVE		TRAFFIC SIGNAL STRAIN POLE		PLANT CHEMICAL LINE
S	SANITARY SEWER MANHOLE		SIGNAL LOOP DETECTOR BOX	D D	PLANT DRAIN LINE
D	DRAINAGE/STORM SEWER MANHOLE		SIGNAL LOOP DETECTOR LOOP		TOP OF BANK/TOE OF SLOPE
CO	SANITARY SEWER CLEANOUT		SIGN - SINGLE POST		CENTERLINE OF DITCH/SWALE/STREAM
ST	SEPTIC TANK		SIGN - DOUBLE POST	x x x x x x x x x	FENCE - FIELD
VV	VALVE VAULT		SIGN - RAILROAD SIGNAL	o o o o o o o o o	FENCE - METAL
	BEEHIVE INLET		SIGN - RAILROAD CROSSING	s s s s s s s s s	FENCE - WOOD
	CURB INLET		BUSH		GUARDRAIL
	DROP INLET		STUMP		STREAM
	CATCH BASIN		TREE - CONIFEROUS		TREE/BRUSH LINE
DS	DOWNSPOUT		TREE - DECIDUOUS		
GM	GAS METER		ROCK OUTCROP		
GV	GAS VALVE		SATELLITE		
GS	GAS SERVICE VALVE	SPH	SPRINKLER CONTROL VALVE		
PV	PETROLEUM VALVE		WATER METER		
PS	PETROLEUM SHUTOFF VALVE	WV	WATER VALVE		
GM	GAS STATION MONITORING WELL	WS	WATER SERVICE VALVE		
GFC	GAS STATION FILL CAP	W	WATER WELL		
GW	NATURAL GAS WELL/STORAGE WELL	WW	WET WELL		
SP	SPRINKLER HEAD		CONTRARANT		
	YARD HYDRANT		PROCESS VALVE		

*NOTE: THIS TABLE IS A LISTING OF TYPICAL EXISTING SYMBOLS AND MAY NOT INCLUDE ALL EXISTING SYMBOLS FOUND WITHIN THIS PLAN SET. ALL PROPOSED ITEMS WILL BE CALLED OUT ON THEIR PLAN SHEETS. IF A QUESTION ARISES ON THE MEANING OF ANY SYMBOL NOT LISTED IN THIS TABLE, PLEASE CONTACT THE ENGINEER FOR CLARIFICATION. THE SYMBOLS ARE NOT TO SCALE.

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TABLE OF ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	IPS	IRON PIPE SIZE
ALUM	ALUMINUM	ISPC	INDIANA STATE PLANE COORDINATE
APP	APPARENT	LB	POUND(S)
APPROX	APPROXIMATE(LY)	LF	LINEAR FEET
ASPH	ASPHALT	LN	LANE
ASSOC	ASSOCIATES	LS	LIFT STATION
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	MA EX	MATCH EXISTING
AVE	AVENUE	MJ	MECHANICAL JOINT
AVG	AVERAGE	MATL	MATERIAL
BLDG	BUILDING	MAX	MAXIMUM
BLVD	BOULEVARD	MH	MANHOLE
BM	BENCHMARK	MIN	MINIMUM
CO	CLEANOUT	MISC	MISCELLANEOUS
CI	CAST IRON	MNFR	MANUFACTURER
CL	CENTER LINE	N	NORTHING, NORTH
CMA	COLD MIX ASPHALT	NGS	NATIONAL GEODETIC SURVEY
CMP	CORRUGATED METAL PIPE	NO.	NUMBER
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONT	CONTINUOUS	PC	POINT OF CURVE (BEGIN CURVE)
CNR	CORNER	POLY	POLYETHYLENE
CP	CONTROL POINT	PI	POINT OF INTERSECTION
CPP	CORRUGATED PLASTIC PIPE	POT	POINT ON TANGENT
CR STN	CRUSHED STONE	PT	POINT OF TANGENT (END CURVE)
CYD	CUBIC YARD	PSI	POUNDS PER SQUARE INCH
D	DEPTH	PT	POINT
DI	DUCTILE IRON	PVC	POLYVINYL CHLORIDE
DI MJ	DUCTILE IRON MECHANICAL JOINT	R	RADIUS
DBL	DOUBLE	ROW	RIGHT-OF-WAY
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	RD	ROAD
DIPS	DUCTILE IRON PIPE SIZE	S	SOUTH
DR	DRIVE	SR	STATE ROUTE
E	EASTING, EAST	SST	STAINLESS STEEL
EF	EACH FACE	SVA	SERVICE VALVE ASSEMBLY
EW	EACH WAY	SB	SOIL BORING
EA	EACH	SCHED	SCHEDULE
EJ	EAST JORDAN IRON WORKS	SDR	STANDARD DIMENSION RATIO
EL	ELEVATION	SECT	SECTION
EX	EXISTING	SF	SQUARE FEET
EXP	EXPANSION	SHT	SHEET
FFE	FINISH FLOOR ELEVATION	SPECS	SPECIFICATION(S)
FM	FORCE MAIN	SQ	SQUARE
FND	FOUND	SRF	STATE REVOLVING FUND
FT	FEET	ST	STREET
FTG	FOOTING	STA	STATION
GALV	GALVANIZED	SYD	SQUARE YARD
GPS	GLOBAL POSITIONING SYSTEM	TBM	TEMPORARY BENCHMARK
HMA	HOT MIX ASPHALT	TC	TOP OF CASTING
HDPE	HIGH DENSITY POLYETHYLENE	TYP	TYPICAL
HORIZ	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
ID	INSIDE DIAMETER	USGS	US GEOLOGICAL SURVEY
IE	INVERT ELEVATION	VERT	VERTICAL
INC	INCORPORATED	VLV	VALVE
INDOT	INDIANA DEPARTMENT OF TRANSPORTATION	W	WIDTH, WEST
INSTR	INSTRUMENT	WSE	WATER SURFACE ELEVATION
INV	INVERT	YR	YEAR

*NOTE: THIS TABLE IS A LISTING OF TYPICAL ABBREVIATIONS AND MAY NOT INCLUDE ALL ABBREVIATIONS FOUND WITHIN THIS PLAN SET. IF A QUESTION ARISES ON THE MEANING OF AN ABBREVIATION NOT LISTED IN THIS TABLE, PLEASE CONTACT THE ENGINEER FOR CLARIFICATION.

GENERAL NOTES:

1. NOTIFY THE ENGINEER IF ANY CONFLICTING INFORMATION BECOMES APPARENT IN THE CONTRACT DOCUMENTS AS SOON AS POSSIBLE AND PRIOR TO THE COMMENCEMENT OF ANY WORK IN THE VICINITY OF OR RELATIVE TO THE APPARENT CONFLICT SO THAT CLARIFICATION MAY OCCUR PRIOR TO CONSTRUCTION.
2. ANY ALTERATIONS TO THESE DRAWINGS NOT AUTHORIZED BY WESSLER ENGINEERING AND NOT IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS AND RECORDS ON FILE AT WESSLER ENGINEERING SHALL RELIEVE WESSLER ENGINEERING OF ANY RESPONSIBILITY FOR THE ACCURACY OF THE DRAWINGS.
3. USE CAUTION DURING THE EXECUTION OF WORK TO PREVENT DAMAGE TO STATE, COUNTY, MUNICIPAL, AND PRIVATE PROPERTY. REPAIR ALL DAMAGES AS A RESULT OF OPERATIONS, INCLUDING DAMAGE TO DRAINAGE STRUCTURES, FIELD TILES, PUBLIC/PRIVATE ROADS, AND LANDSCAPING (INCLUDING FENCING). REPAIR AND REPLACE DAMAGED ITEMS AT NO ADDITIONAL COST TO THE OWNER. PERFORM ALL REPAIR AND REPLACEMENT WORK TO THE SATISFACTION OF THE PERMITTING AGENCY, THE OWNER AND THE ENGINEER.
4. TAKE CARE TO AVOID DAMAGE TO PAVED AREAS WHICH ARE NOT SPECIFICALLY CALLED OUT FOR REPAIR OR REPLACEMENT. REPAIR, OR REPLACE ALL SUCH PAVEMENTS WHICH ARE DAMAGED BY CONSTRUCTION ACTIVITIES AND CONSTRUCTION TRAFFIC AT NO ADDITIONAL COST TO THE OWNER.
5. OBTAIN ALL TEMPORARY EASEMENTS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
6. COMPLY WITH ALL APPLICABLE PERMITS AND REGULATIONS. APPLICABLE PERMITS ISSUED TO THE OWNER WILL BE MADE AVAILABLE TO THE CONTRACTOR. CONTACT ALL APPLICABLE PERMITTING AGENCIES WITHIN THE TIME PERIOD SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING CONSTRUCTION.
7. ALL PRIVATE WELL LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. FIELD VERIFY AND DETERMINE EXACT LOCATIONS OF ALL PRIVATE WELLS WITHIN THE PROJECT AREA.
8. ALL EXISTING AND NEW UTILITY INFORMATION, INCLUDING BUT NOT LIMITED TO LOCATION, SIZE AND INVERT ELEVATION, IS SHOWN BASED UPON AVAILABLE INFORMATION. THE ENGINEER DOES NOT GUARANTEE OR ASSUME SUCH INFORMATION TO BE TRUE OR FULL INCLUSIVE OR EVEN APPROXIMATE. CONTACT THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE (IUPPS) AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY. CONTACT NON-MEMBER UTILITIES DIRECTLY.
9. DETERMINE WHICH UTILITIES MAY CONFLICT WITH WORK AND VERIFY THEIR LOCATION, SIZE AND ELEVATION PRIOR TO CONSTRUCTION AND DETERMINE IF THERE ARE ANY DISCREPANCIES OR CONFLICTS. IF ANY DISCREPANCIES OR CONFLICTS ARE DISCOVERED, NOTIFY THE ENGINEER AS SOON AS POSSIBLE.
10. EXISTING UTILITY SERVICE LINES TO INDIVIDUAL CUSTOMERS MAY NOT BE SHOWN ON THE DRAWINGS. ASSUME THAT UNDERGROUND SERVICE LINES FOR ALL UTILITIES EXIST TO EACH PROPERTY ALONG THE ROUTE OF ESTABLISHED IMPROVEMENTS.
11. COORDINATE ALL WORK WITH THE RESPECTIVE UTILITIES. SCHEDULE WORK ACCORDINGLY, AND NOTIFY ALL UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY.
12. COORDINATE PLANNED UTILITY SERVICE INTERRUPTIONS WITH THE RESPECTIVE UTILITIES AND THE UTILITIES' AFFECTED CUSTOMERS. SERVICE INTERRUPTIONS SHOULD NOT LAST MORE THAN FOUR (4) HOURS. GIVE WRITTEN NOTICE TO ALL AFFECTED UTILITY CUSTOMERS AND PROPERTY OWNERS AT LEAST TWENTY-FOUR (24) HOURS BUT NOT MORE THAN SEVENTY-TWO (72) HOURS PRIOR TO ANY PLANNED INTERRUPTION OF UTILITY SERVICE.
13. USE CAUTION DURING THE EXECUTION OF WORK TO PREVENT DAMAGE TO EXISTING UTILITIES. REPAIR OR REPLACE ALL PUBLIC AND PRIVATE FACILITIES DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS.
14. BRACE AND PROTECT ALL UTILITY POLES AND EXISTING STRUCTURES ADJACENT TO NEW EXCAVATIONS. UTILITY POLE BRACING SHALL BE AS DIRECTED BY THE GOVERNING UTILITY.
15. MAINTAIN EXISTING STORMWATER DRAINAGE FOR THE ENTIRE DURATION OF THE PROJECT.
16. DO NOT DISTURB EXISTING MANHOLES OR INLETS, UNLESS NOTED OTHERWISE.
17. ALL EQUIPMENT, APPURTENANCES AND PIPING REMOVED AS PART OF THE DEMOLITION SHALL FIRST BE OFFERED TO THE OWNER FOR SALVAGE. DELIVER SALVAGED ITEMS SELECTED BY OWNER TO A LOCATION DESIGNATED BY THE OWNER OR ENGINEER. IN THE EVENT THE OWNER DOES NOT ELECT TO KEEP THE REMOVED ITEMS, REMOVE SUCH ITEMS FROM THE SITE AND DISPOSE OF AT A LOCATION APPROVED FOR SUCH DISPOSAL AT THE CONTRACTOR'S EXPENSE.
18. COORDINATE STAGING AREA LOCATIONS WITH THE OWNER.
19. ALL CONSTRUCTION TRAFFIC SHALL USE MAJOR ROADS. NO CONSTRUCTION TRAFFIC SHALL USE LOCAL STREETS FOR INDIRECT ACCESS.
20. TO CONTROL DUST, REMOVE SOIL FROM STREETS USED BY CONSTRUCTION TRAFFIC DAILY, VACUUM AND WATER AS NECESSARY AND/OR AS DIRECTED BY THE OWNER.
21. ALL EXISTING PIPING MAY NOT BE SHOWN. REFERENCE EXISTING RECORD DRAWINGS ON FILE WITH THE OWNER AND WESSLER ENGINEERING FOR ADDITIONAL INFORMATION OF EXISTING PIPING AND CONDUIT THROUGHOUT THE PLANT SITE.
22. NEW PIPING CARRYING LIQUIDS SHALL HAVE MINIMUM COVER AS DEFINED IN SPEC 02660, UNLESS SPECIFIC ELEVATIONS ON THE DRAWINGS INDICATE OTHERWISE.
23. INSPECT THE SITE PRIOR TO BIDDING TO UNDERSTAND THE EXTENT OF THE DEMOLITION WORK INVOLVED AND ADJUST BID ACCORDINGLY.
24. COMPLETELY REMOVE UNDERGROUND PIPING THAT HAS PREVIOUSLY BEEN OR WILL BE TAKEN OUT OF SERVICE, IN CONFLICT WITH THE NEW WORK. UNLESS OTHERWISE NOTED, ABANDON IN PLACE ALL UNDERGROUND PIPING NOT IN CONFLICT WITH THE NEW WORK. DO NOT LEAVE ABANDONED PIPING LIVE. SEE SPECIFICATION SECTION 02050 FOR DEMOLITION PROCEDURES. SEE SPECIFICATION SECTION 01550 FOR PLANT OPERATIONS DURING CONSTRUCTION FOR COORDINATION OF DEMOLITION WORK AND NEW CONSTRUCTION.
25. LENGTHS OF SEWERS AS SHOWN ON THE DRAWINGS AND INDICATED AS LINEAR FEET (LF) ARE FROM CENTER TO CENTER OF STRUCTURES.
26. PLACE NO. 8 CRUSHED AGGREGATE BETWEEN PIPES AT ALL PIPE CROSSINGS TO PREVENT PIPE SETTLEMENT UNLESS SHOWN OTHERWISE.
27. VERIFY EXISTING SEWER INVERTS AND LOCATIONS PRIOR TO CONSTRUCTION AND DETERMINE IF THERE ARE ANY DISCREPANCIES OR CONFLICTS.
28. RESET ALL MAILBOXES AND SIGNS DISTURBED BY CONSTRUCTION ACTIVITIES.
29. IF REQUIRED, PLACE TEMPORARY OVERNIGHT AGGREGATE WEDGES AT DRIVEWAYS TO ALLOW PROPERTY OWNER ACCESS.

UTILITY CONTACTS

GAS
OHIO VALLEY GAS CO. (CONNERSVILLE NORTH)
P.O. BOX 469
WINCHESTER, IN 47394
765-584-6842
ATTN: GREG BAILEY, CHIEF ENGINEER

TELEPHONE
FRONTIER
1233 W TIPTON ST.
SEYMOUR, IN 47274
219-476-5109
ATTN: CHARLES MCKEAN & RICK FERRIS

GREAT PLAINS TELECOMMUNICATIONS
1600 GREAT PLAINS CENTRE
PO BOX 500
BLAIR, NE 68008
812-623-4432
ATTN: DUSTIN NOBBE

SEWER, STORM, & WATER
TOWN OF LIBERTY
101 BROWNSVILLE ST
LIBERTY, IN 47353
765-458-5823
ATTN: MATT REUSS, WATER & WASTEWATER SUPERINTENDENT

ELECTRIC
WHITEWATER VALLEY REMC
1201 S STATE RD 101
LIBERTY, IN 47353
765-223-2050
ATTN: WENDE SHIPLEY, OPERATIONS & ENGINEERING COORDINATOR
*FOR MAINS WEST OF TOWN

DUKE ENERGY
100 S. MILL CREAK ROAD
NOBLESVILLE, IN 46062
317-776-1111
ATTN: DON MCDUFFY
* FOR MAINS IN TOWN

FIBER
FRONTIER / VERIZON
722 N. HIGH SCHOOL RD.
INDIANAPOLIS, IN 46214
260-461-3324
ATTN: JOE SARLL

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HARRISON ST WATER AND SEWER MAIN REPLACEMENT

TOWN OF LIBERTY, INDIANA

GENERAL NOTES AND ABBREVIATIONS

SHEET NO. **03**

TOTAL SHEETS 13

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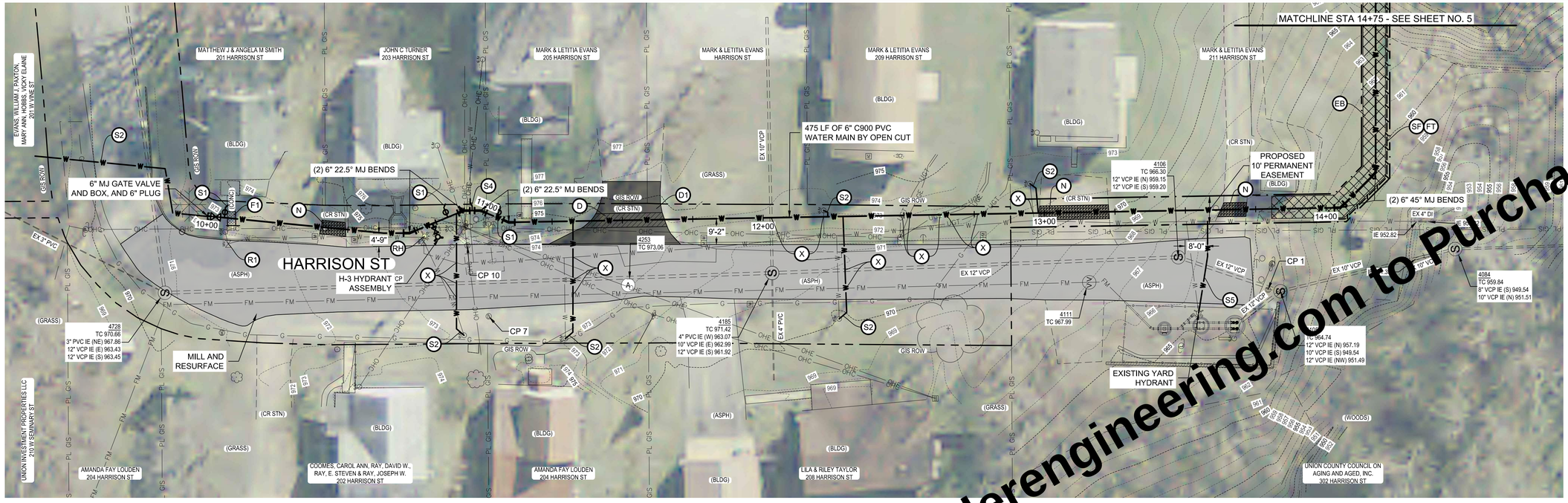

PLAN - LINE A

SCALE: 1" = 20'

PROFILE - LINE A

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

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0 10 20 40 FT
1" = 20'

GENERAL NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.
2. CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.
3. 4" WATER MAIN LOCATION SHOWN IS BASED ON AVAILABLE GIS RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

KEYED NOTES

R1	CLOSE EXISTING VALVE AND REMOVE VALVE BOX AND LID.
RH	REMOVE EXISTING HYDRANT, CLOSE EXISTING AUXILIARY VALVE AND REMOVE VALVE BOX AND LID. IF AUXILIARY VALVE IS NOT PRESENT, CAP EXISTING HYDRANT LEAD.
S1	3/4" NEW SERVICE LINE, CURB STOP AND METER PIT. REUSE EXISTING LID AND METER, AND CONNECT TO EXISTING SERVICE LINE.
S2	3/4" NEW SERVICE AND CONNECT TO EXISTING METER PIT.
S3	2" NEW SERVICE AND CONNECT TO EXISTING METER PIT.
S4	3/4" NEW SERVICE AND CONNECT TO EXISTING SERVICE LINE
S5	1" NEW SERVICE AND CONNECT TO EXISTING YARD HYDRANT.
X	POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
D	TEMPORARY PAVEMENT REPAIR COLD PATCH AND FULL DEPTH CLASS I BACKFILL
D1	ASPHALT DRIVE SECTION
N	CRUSHED STONE DRIVE REPAIR
F1	CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I BACKFILL.
F2	CONCRETE DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
SF/FT	SILT FENCE/FIBER FILTRATION TUBE
IP	INLET PROTECT
EB	EROSION CONTROL BLANKET

LEGEND

- FULL DEPTH PAVEMENT
- MILL AND RESURFACE PAVEMENT
- CONCRETE SIDEWALK REPLACEMENT
- ASPHALT PAVEMENT REPAIR
- ASPHALT DRIVE REPAIR
- CONCRETE CURB AND GUTTER REPAIR
- CONCRETE DRIVE REPAIR
- CONCRETE SIDEWALK REPAIR
- CRUSHED STONE DRIVE REPAIR
- EROSION CONTROL BLANKET
- INLET PROTECTION
- SILT FENCE/FIBER FILTRATION TUBE

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HARRISON ST WATER AND SEWER MAIN REPLACEMENT

TOWN OF LIBERTY, INDIANA

NEW WATER MAIN - PLAN AND PROFILE

SHEET NO. 04

TOTAL SHEETS 13

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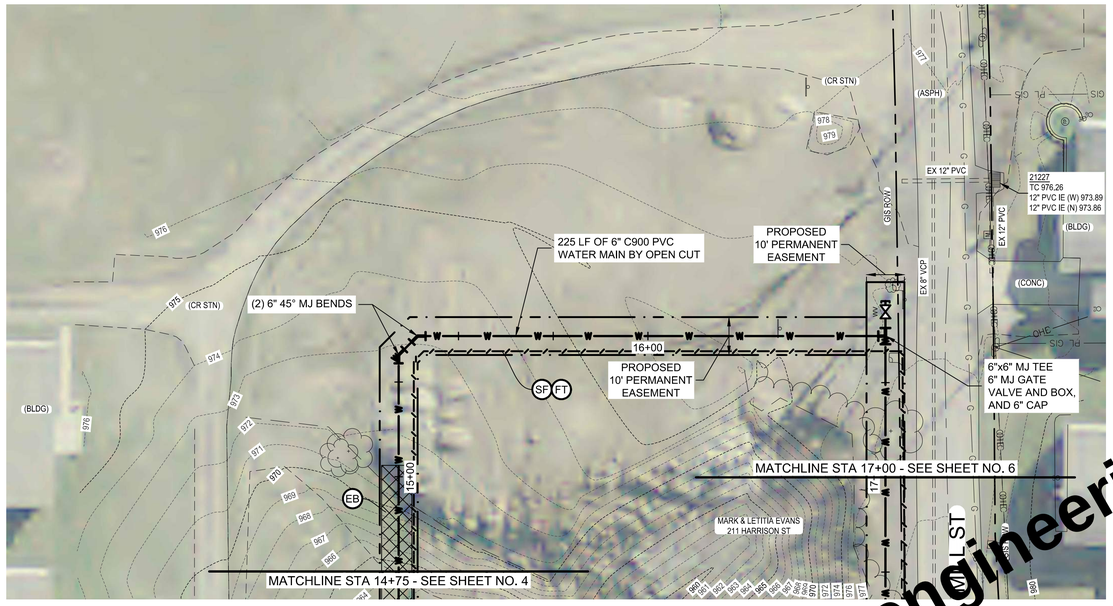

PLAN - LINE A

SCALE: 1" = 20'

PROFILE - LINE A

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

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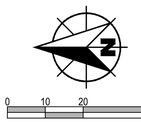

GENERAL NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.
2. CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.
3. 4" WATER MAIN LOCATION SHOWN IS BASED ON AVAILABLE GIS RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

KEYED NOTES

R1	CLOSE EXISTING VALVE AND REMOVE VALVE BOX AND LID.
RH	REMOVE EXISTING HYDRANT, CLOSE EXISTING AUXILIARY VALVE AND REMOVE VALVE BOX AND LID. IF AUXILIARY VALVE IS NOT PRESENT, CAP EXISTING HYDRANT LEAD.
S1	3/4" NEW SERVICE LINE, CURB STOP AND METER PIT. REUSE EXISTING LID AND METER, AND CONNECT TO EXISTING SERVICE LINE.
S2	3/4" NEW SERVICE AND CONNECT TO EXISTING METER PIT.
S3	2" NEW SERVICE AND CONNECT TO EXISTING METER PIT.
S4	3/4" NEW SERVICE AND CONNECT TO EXISTING SERVICE LINE
S5	1" NEW SERVICE AND CONNECT TO EXISTING YARD HYDRANT.
X	POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
D	TEMPORARY PAVEMENT REPAIR COLD PATCH AND FULL DEPTH CLASS I BACKFILL
D1	ASPHALT DRIVE SECTION
N	CRUSHED STONE DRIVE REPAIR
F1	CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I BACKFILL.
F2	CONCRETE DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
SF/FT	SILT FENCE/FIBER FILTRATION TUBE
IP	INLET PROTECT
EB	EROSION CONTROL BLANKET

LEGEND

- FULL DEPTH PAVEMENT
- MILL AND RESURFACE PAVEMENT
- CONCRETE SIDEWALK REPLACEMENT
- ASPHALT PAVEMENT REPAIR
- ASPHALT DRIVE REPAIR
- CONCRETE CURB AND GUTTER REPAIR
- CONCRETE DRIVE REPAIR
- CONCRETE SIDEWALK REPAIR
- CRUSHED STONE DRIVE REPAIR
- EROSION CONTROL BLANKET
- INLET PROTECTION
- SILT FENCE/FIBER FILTRATION TUBE

SCALE VERIFICATION	DRAWN BY	MTF	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	SEK				
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	PROJECT NUMBER	301726-04-001				

ADAM MICHAEL SITKA REGISTERED No. 11800826 STATE OF INDIANA PROFESSIONAL ENGINEER 8/21/2026

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HARRISON ST WATER AND SEWER MAIN REPLACEMENT

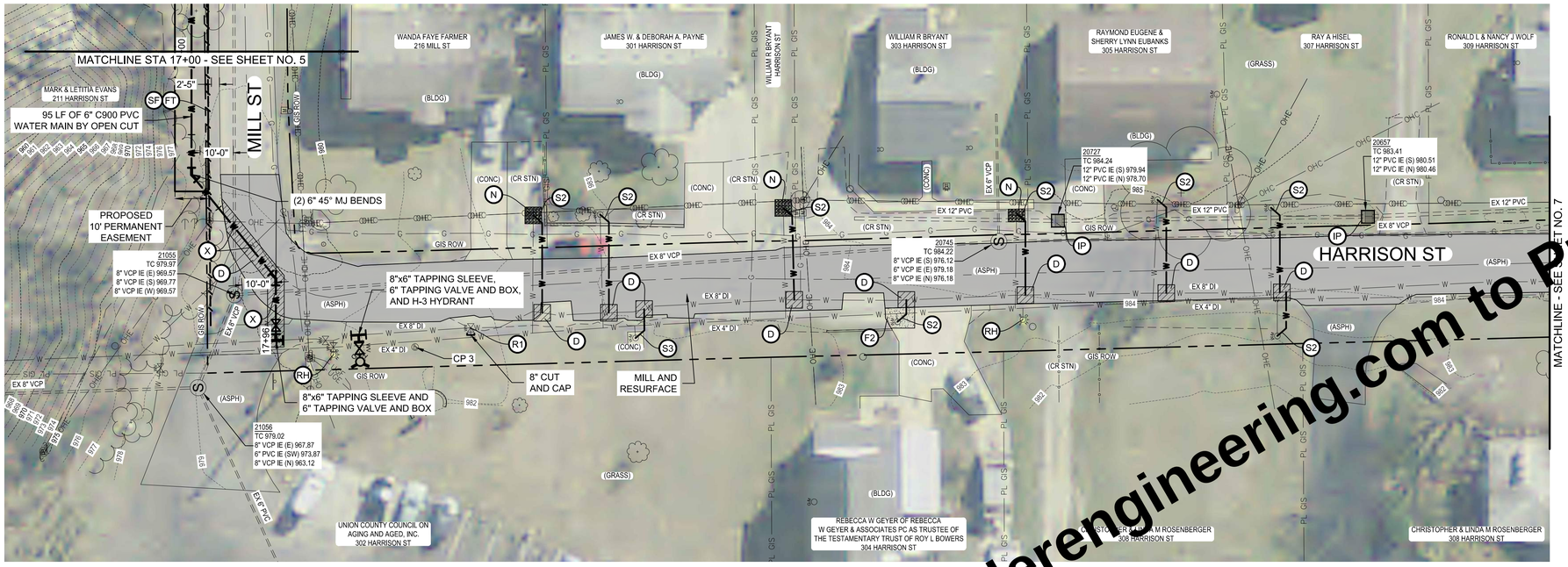
TOWN OF LIBERTY, INDIANA

NEW WATER MAIN - PLAN AND PROFILE

SHEET NO. **05**

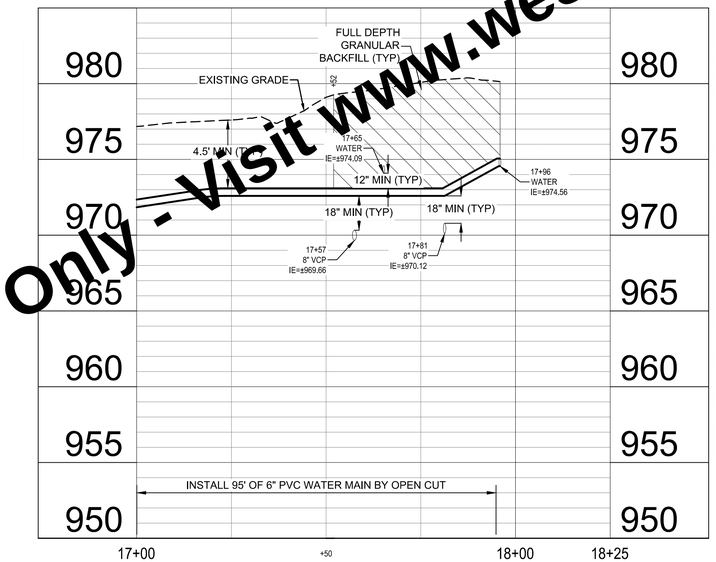
TOTAL SHEETS 13

Drawing: X:\Liberty\301726 Liberty Harrison St Emer WM\DWG\Sheets\301726-PP-A.dwg | Layout: 05 | Plotted: 08/24/26 @ 09:04:13 | LastSavedBy: MasonF



PLAN - LINE A

SCALE: 1" = 20'



PROFILE - LINE A

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

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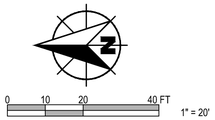

GENERAL NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.
2. CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.
3. 4" WATER MAIN LOCATION SHOWN IS BASED ON AVAILABLE GIS RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

KEYED NOTES

R1	CLOSE EXISTING VALVE AND REMOVE VALVE BOX AND LID.
RH	REMOVE EXISTING HYDRANT, CLOSE EXISTING AUXILIARY VALVE AND REMOVE VALVE BOX AND LID. IF AUXILIARY VALVE IS NOT PRESENT, CAP EXISTING HYDRANT LEAD.
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D1	ASPHALT DRIVE SECTION
N	CRUSHED STONE DRIVE REPAIR
F1	CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I BACKFILL.
F2	CONCRETE DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
SF/FT	SILT FENCE/FIBER FILTRATION TUBE
IP	INLET PROTECT
EB	EROSION CONTROL BLANKET

LEGEND

- FULL DEPTH PAVEMENT
- MILL AND RESURFACE PAVEMENT
- CONCRETE SIDEWALK REPLACEMENT
- ASPHALT PAVEMENT REPAIR
- ASPHALT DRIVE REPAIR
- CONCRETE CURB AND GUTTER REPAIR
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	ISSUE DATE	AUGUST 2026				
	PROJECT NUMBER	301726-04-001				

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HARRISON ST WATER AND SEWER MAIN REPLACEMENT

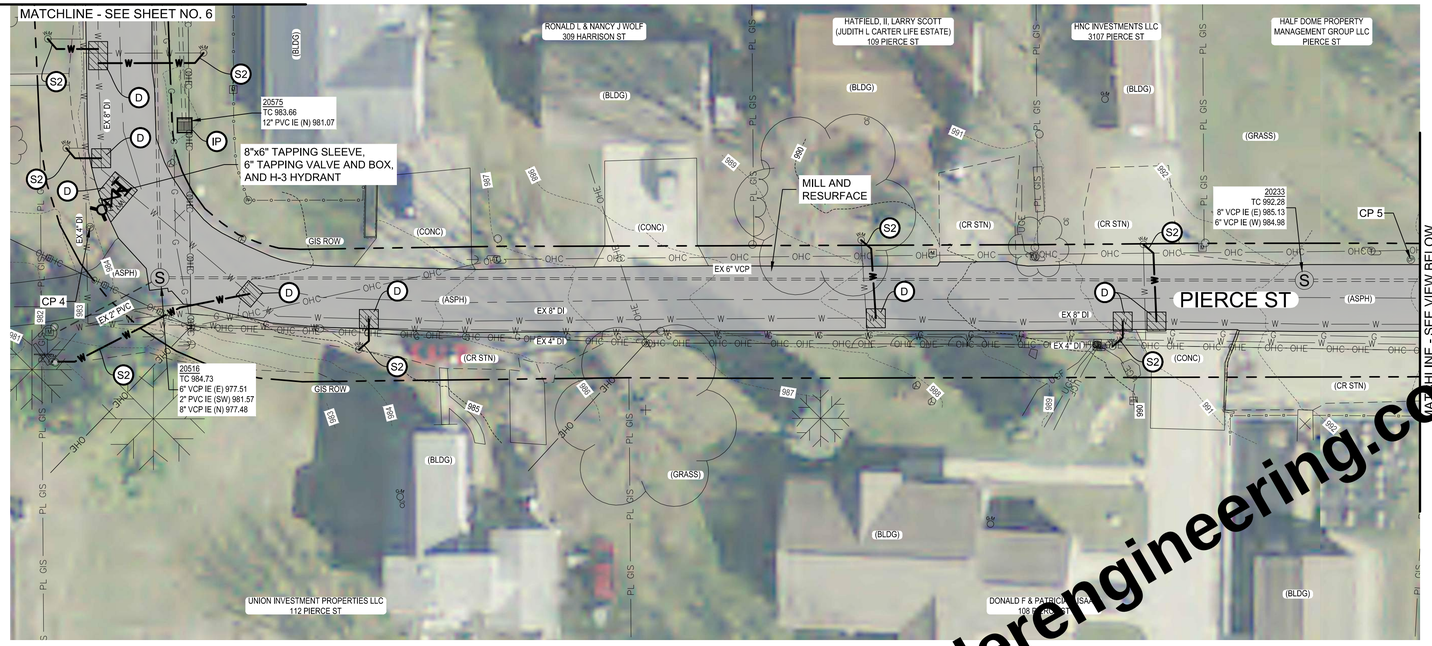
TOWN OF LIBERTY, INDIANA

NEW WATER MAIN - PLAN AND PROFILE

SHEET NO. **06**

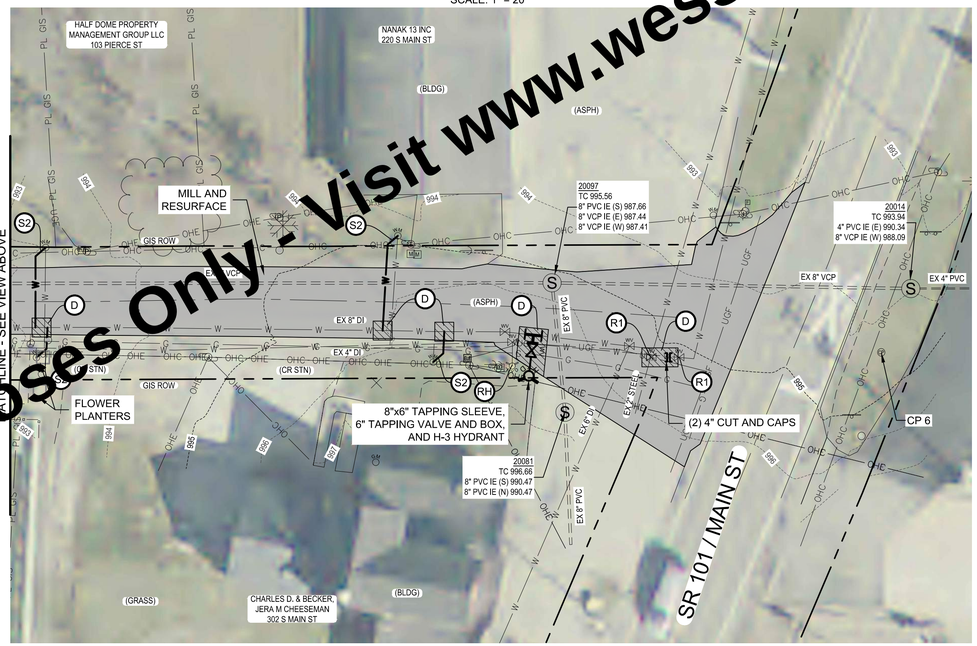
TOTAL SHEETS 13

Drawing: X:\Liberty\301726 Liberty Harrison St Emer\WMDWG\Sheets\301726-PP-A.dwg | Layout: 06 | Plotted: 08/24/26 @ 09:04:26 | LastSavedBy: MasonF



WATER MAIN IMPROVEMENTS - PLAN

SCALE: 1" = 20'



WATER MAIN IMPROVEMENTS - PLAN

SCALE: 1" = 20'

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0 10 20 40 FT

1" = 20'

GENERAL NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.
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KEYED NOTES ○

R1	CLOSE EXISTING VALVE AND REMOVE VALVE BOX AND LID.
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IP	INLET PROTECT
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LEGEND

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SCALE VERIFICATION	
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APPROVED BY	AMS
ISSUE DATE	AUGUST 2026
PROJECT NUMBER	301726-04-001

NO.	DATE	INITIALS	REVISION DESCRIPTIONS

ADAM MICHAEL SITKA
REGISTERED
No. 11800826
STATE OF INDIANA
PROFESSIONAL ENGINEER
8/21/2026

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HARRISON ST WATER AND SEWER MAIN REPLACEMENT

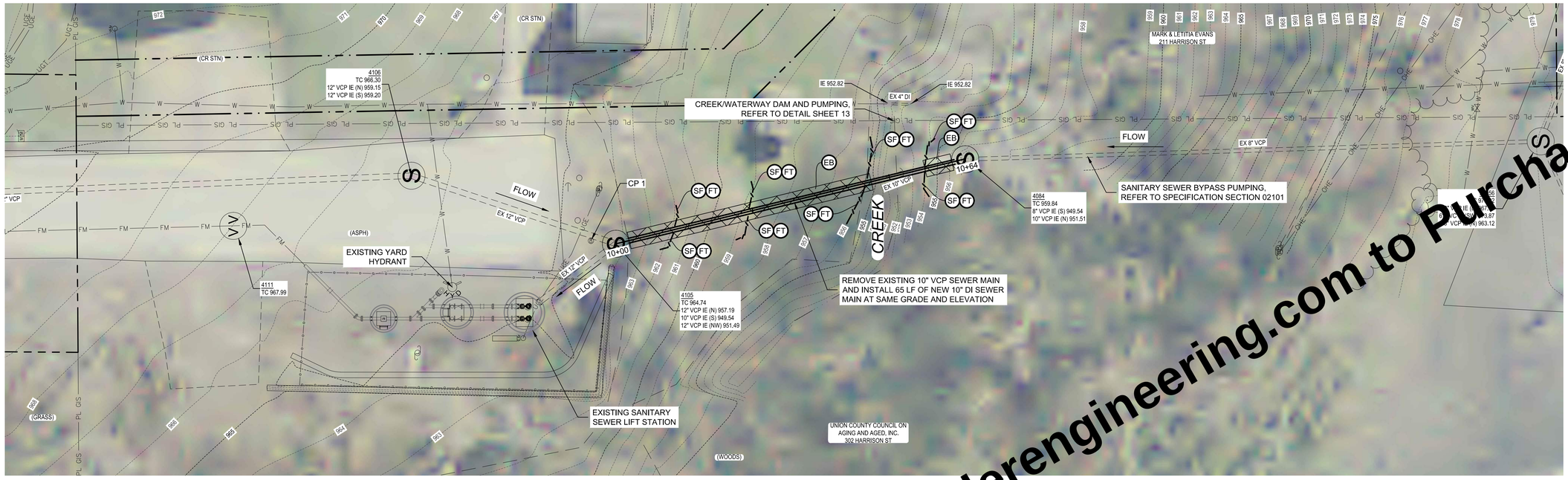
TOWN OF LIBERTY, INDIANA

WATER MAIN IMPROVEMENTS - PLAN

SHEET NO. **07**

TOTAL SHEETS 13

Drawing: X:\Liberty\301726 Liberty Harrison St Emer WM\DWG\Sheets\301726-PP-A.dwg | Layout: 07 | Plotted: 08/24/26 @ 09:04:42 | LastSavedBy: MasonF



PLAN - LINE B
SCALE: 1" = 10'

PROFILE - LINE B
HORIZ SCALE: 1" = 10'
VERT SCALE: 1" = 5'

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0 5 10 20 FT
1" = 10'

GENERAL NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.
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SCALE VERIFICATION	BAR IS ONE INCH LONG ON ORIGINAL DRAWING
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ISSUE DATE	AUGUST 2026
PROJECT NUMBER	301726-04-001

NO.	DATE	INITIALS	REVISION DESCRIPTIONS

ADAM MICHAEL SITKA
REGISTERED
No. 11800826
PROFESSIONAL ENGINEER
STATE OF INDIANA
8/27/2026

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HARRISON ST WATER AND SEWER MAIN REPLACEMENT

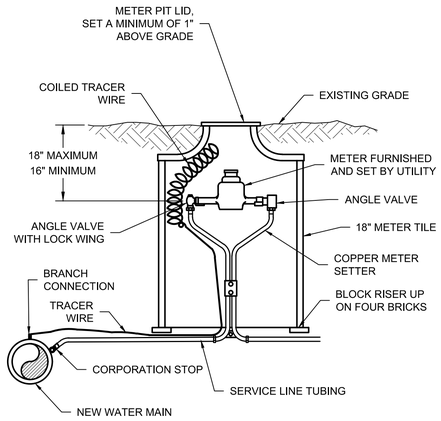
TOWN OF LIBERTY, INDIANA

NEW SANITARY SEWER - PLAN AND PROFILE

SHEET NO. **08**

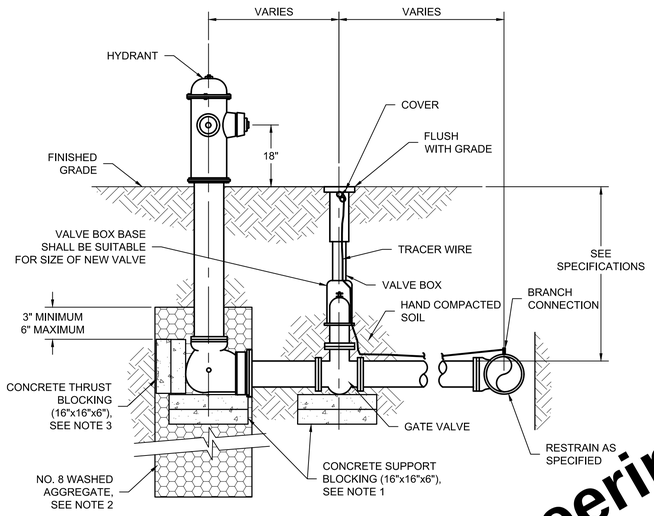
TOTAL SHEETS 13

Drawing: X:\Liberty\301726 Liberty Harrison St Emer WM\DWG\Sheets\301726-PP-SAN.dwg | Layout: 08 | Plotted: 08/24/26 @ 09:05:16 | LastSavedBy: MasonF



NOTES:
1. NO SPLICES ALLOWED BETWEEN CORPORATION STOP AND COPPER METER SETTER.

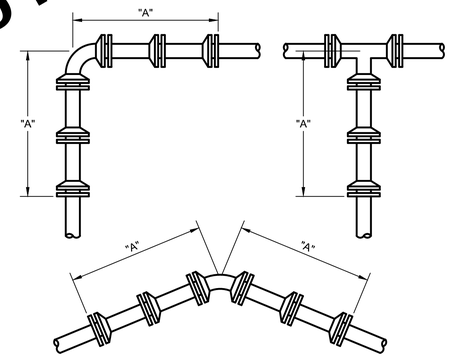
METER SETTING COPPER SETTER STYLE
SCALE: NONE



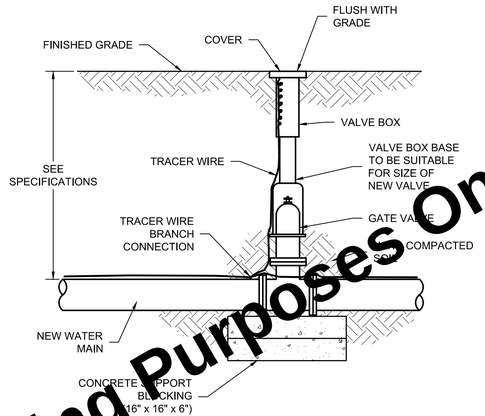
NOTES:
1. SET HYDRANT AND VALVE ON CONCRETE SUPPORT BLOCKING.
2. PLACE 2'x3' DEEP DRAINAGE PIT. EXTEND A MINIMUM OF 3", AND MAXIMUM OF 6" ABOVE HYDRANT BOOT.
3. RESTRAINED FITTINGS SHALL BE USED IN ADDITION TO CONCRETE THRUST BLOCKING. RESTRAINTS MUST BE USED FROM THE DISTRIBUTION MAIN TO THE HYDRANT. PLACE CONCRETE BLOCKS BEHIND HYDRANT TO UNDISTURBED EARTH.
4. VALVE BOX SHALL BE CENTERED AND PLUMB OVER VALVE OPERATING NUT.

HYDRANT ASSEMBLY
SCALE: NONE

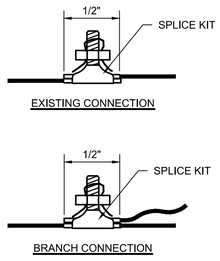
FEET OF RESTRAINED PIPE @ XXX PSI (A) ON EACH SIDE OF FITTING			
	WATER MAIN SIZE		
FITTING TYPE	4 INCH	6 INCH	8 INCH
11 1/4° HORIZ BEND	4	6	7
22 1/2° HORIZ BEND	8	11	14
45° HORIZ BEND	16	22	28
90° HORIZ BEND	37	53	68
11 1/4° VERT BEND	7	10	12
22 1/2° VERT BEND	17	24	24
45° VERT BEND	20	40	50
90° VERT BEND	66	95	121
MAIN STOP X 8"	-	-	49
TEE OUT	52	81	107
VALVES AND PLUGS	66	95	121
DEAD END	66	95	121



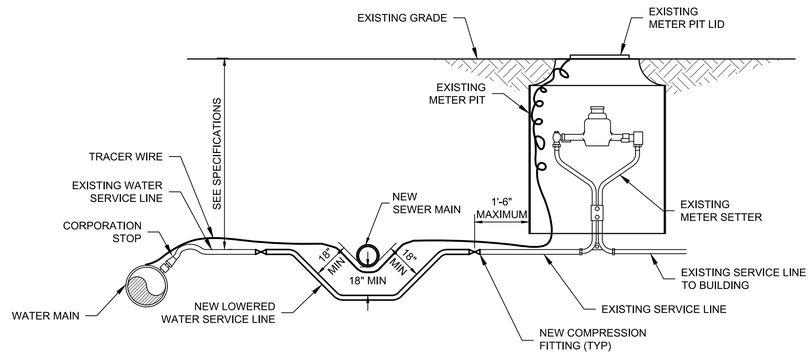
WATER MAIN RESTRAINED PIPING
SCALE: NONE



GATE VALVE
SCALE: NONE



TRACER WIRE BOLTED CONNECTION
SCALE: NONE



WATER SERVICE LOWERING
SCALE: NONE

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HARRISON ST WATER AND SEWER MAIN REPLACEMENT

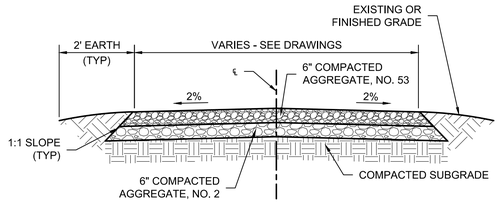
TOWN OF LIBERTY, INDIANA

MISCELLANEOUS DETAILS

SHEET NO. **09**

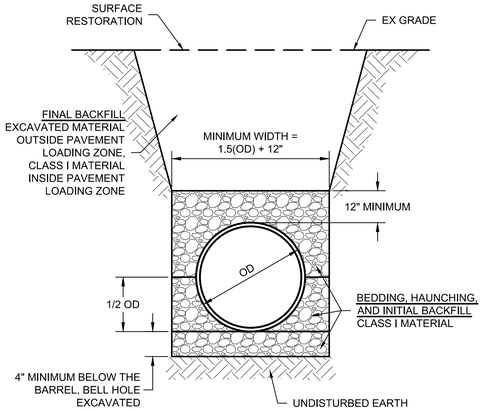
TOTAL SHEETS 13

Drawing: X:\Liberty\301726 Liberty-Harrison St Emer\WMDWG\Sheets\301726-MD.dwg | Layout: 09 | Plotted: 08/24/26 @ 09:05:47 | LastSavedBy: MasonF



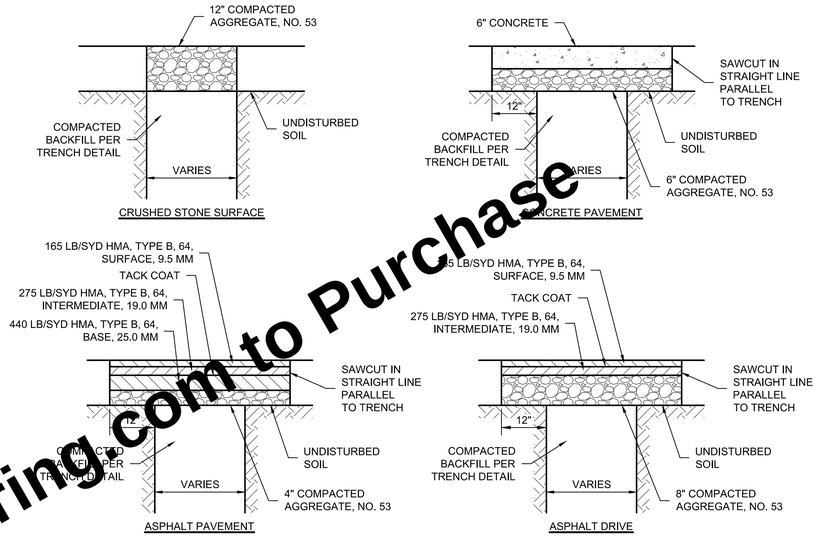
CRUSHED STONE DRIVE

SCALE: NONE



FLEXIBLE (HDPE, PP, PVC) PIPE TRENCH

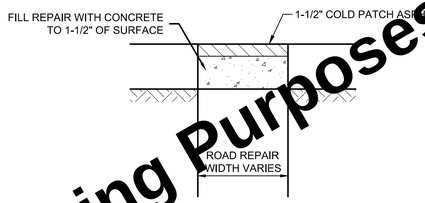
SCALE: NONE



NOTE:
1. TO SPECIFIER: HMA, TYPE B RELATES TO AN EQUIVALENT SINGLE AXLE LOAD (ESAL) OF <3,000,000, AVERAGE ANNUAL DAILY TRAFFIC (AADT) OF <15,000, AND AVERAGE ANNUAL DAILY TRUCK TRAFFIC (AADTT) OF <1,700. IF THE PROJECT EXPERIENCES CONDITIONS OUTSIDE THESE PARAMETERS, A TYPE C OR TYPE D HMA MAY BE REQUIRED.

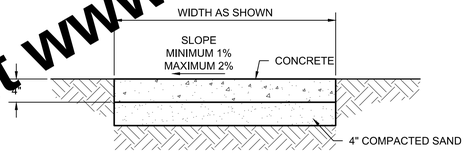
PAVEMENT REPAIR

SCALE: NONE

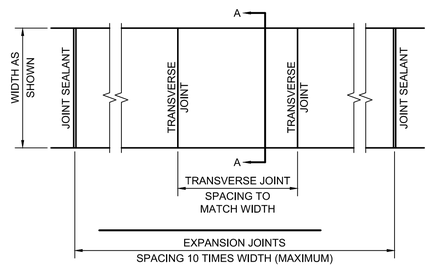


COLD WEATHER ROAD PATCH

SCALE: NONE



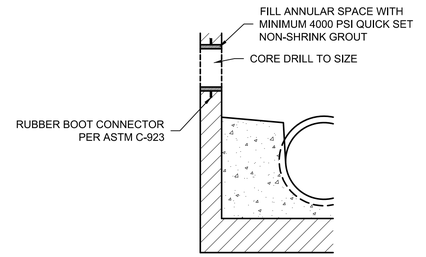
TYPICAL SIDEWALK SECTION A



PLAN VIEW

CONCRETE SIDEWALK

SCALE: NONE



CONNECTION TO EXISTING MANHOLE

SCALE: NONE

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	ISSUE DATE	AUGUST 2026				
	PROJECT NUMBER	301726-04-001				

ADAM MICHAEL SITKA REGISTERED No. 11800826 STATE OF INDIANA PROFESSIONAL ENGINEER 8/21/2026

WESSLER ENGINEERING
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HARRISON ST WATER AND SEWER MAIN REPLACEMENT

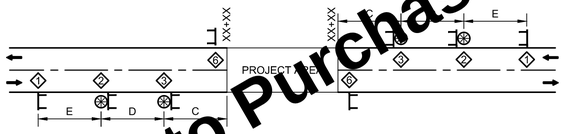
TOWN OF LIBERTY, INDIANA

MISCELLANEOUS DETAILS

SHEET NO. **10**

TOTAL SHEETS 13

Drawing: X:\Liberty\301726 Liberty-Harrison St Emer\WMDWG\Sheets\301726-MD.dwg | Layout: 10 | Plotted: 08/24/26 @ 09:05:52 | LastSavedBy: MasonF



CONSTRUCTION SIGN PLACEMENT

SCALE: NONE

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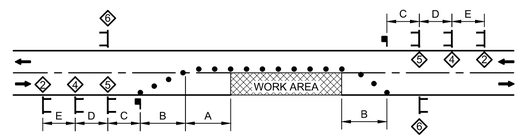
SPEED (MPH)	DISTANCE (FEET)				
	A	B	C	D	E
20 OR LESS	120	100	100	100	100
25	160	100	100	100	100
30	200	100	100	100	100
35	280	100	350	350	350
40	320	100	350	350	350
45	360	100	500	500	500

NOTES:
1. DISTANCES SHOWN ARE APPROXIMATE. ADJUST SIGN FOR CURVES, HILLS, INTERSECTIONS, DRIVEWAYS, ETC TO IMPROVE SIGN VISIBILITY.
2. THE SPACING OF CHANNELIZING DEVICES SHOULD BE A DISTANCE IN FEET EQUAL TO THE SPEED LIMIT IN MPH WHEN USED FOR TAPER CHANNELIZATION, AND A DISTANCE IN FEET EQUAL TO 2.0 TIMES THE SPEED LIMIT IN MPH USED FOR TANGENT CHANNELIZATION.

ADVANCE WARNING SIGN AND FLAGGER OPERATION SPACING

SCALE: NONE



TEMPORARY FLAGGER OPERATION

SCALE: NONE

Drawing: X:\Liberty\301726 Liberty Harrison St Emer WM\DWG\Sheets\301726-MD-MOT.dwg | Layout: 11 | Plotted: 08/24/26 @ 09:06:06 | LastSavedBy: MasonF

SCALE VERIFICATION

BAR IS ONE INCH LONG ON ORIGINAL DRAWING

DRAWN BY	MTF
CHECKED BY	SEK
APPROVED BY	AMS
ISSUE DATE	AUGUST 2026
PROJECT NUMBER	301726-04-001

NO.	DATE	INITIALS	REVISION DESCRIPTIONS

ADAM MICHAEL SITKA REGISTERED No. 11800826 STATE OF INDIANA PROFESSIONAL ENGINEER 8/27/2026

WESSLER ENGINEERING
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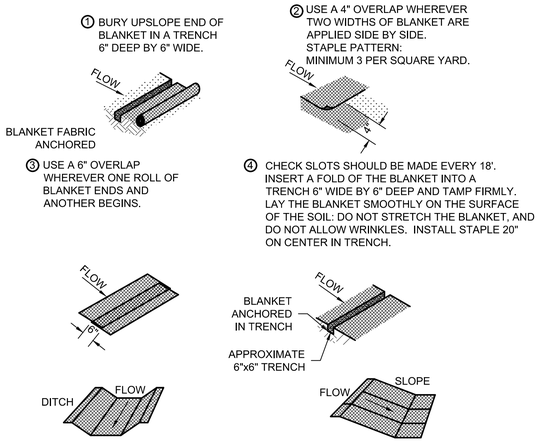
HARRISON ST WATER AND SEWER MAIN REPLACEMENT

TOWN OF LIBERTY, INDIANA

MAINTENANCE OF TRAFFIC DETAILS

SHEET NO. 11

TOTAL SHEETS 13



PRODUCT:
1. NORTH AMERICAN GREEN SC150, OR EQUAL.

NOTES:
1. PROTECT THE SLOPES WITH AN EROSION CONTROL BLANKET WHERE CONSTRUCTION DISTURBS SLOPES EQUAL OR STEEPER THAN 3:1.

MAINTENANCE:
1. INSPECT FOR EROSION AFTER EACH STORM EVENT DURING VEGETATION ESTABLISHMENT, AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.
2. IF ANY AREAS SHOW EROSION, PULL BACK THAT PORTION OF THE BLANKET, ADD SOIL, RESEED, RELAY AND STAPLE THE BLANKET.
3. CHECK AREAS PERIODICALLY AFTER VEGETATION ESTABLISHMENT.

EROSION CONTROL BLANKET

SCALE: NONE

SEASONAL SOIL PROTECTION CHART

STABILIZATION PRACTICE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING				A								
DORMANT SEEDING	B										B	
TEMPORARY SEEDING	C, E							E	D			
SODDING				F								
MULCHING	G											

A. = KENTUCKY BLUEGRASS 140 LB/ACRE; OR 170 LB/ACRE TALL FESCUE PLUS 30 LB/ACRE BLUEGRASS; OR APPROVED EQUAL GRASS SEED MIXTURE
B. = KENTUCKY BLUEGRASS 210 LB/ACRE; OR 90 LB/ACRE PERENNIAL RYEGRASS PLUS 135 LB/ACRE BLUEGRASS OR 250 LB/ACRE TALL FESCUE (TURF TYP) PLUS 45 LB/ACRE BLUEGRASS; OR APPROVED EQUAL GRASS SEED MIXTURE
C. = SPRING OATS 100 LB/ACRE (1" PLANTING DEPTH)
D. = WHEAT OR RYE 150 LB/ACRE (1" - 1.5" PLANTING DEPTH)
E. = ANNUAL RYEGRASS 40 LB/ACRE (1/4" PLANTING DEPTH)
F. = SOD
G. = ANCHORED STRAW/HAY (2 TONS/ACRE) OR WOOD FIBER/CELLULOSE (1 TON/ACRE) IS REQUIRED WITH PERMANENT SEEDING AND TEMPORARY SEEDING. ALSO REQUIRED WITH DORMANT SEEDING UNLESS SOIL IS IN FREEZE/THAW CYCLE.

NOTES:
1. IRRIGATION NEEDED DURING MAY THROUGH SEPTEMBER.
2. IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.
3. ANCHORED MULCH IS REQUIRED FOR PERMANENT, DORMANT AND TEMPORARY SEEDING.
4. OPTIMUM SEEDING DATES PROVIDED. DATES MAY BE EXTENDED OR SHORTENED BASED ON PROJECT LOCATION.
5. SEED MIXTURES PROVIDED FOR LAWNS AND HIGH MAINTENANCE AREAS.
6. IF CONSTRUCTION ACTIVITIES ARE LOCATED WITHIN A FLOODWAY, SEE MIXTURES CONSISTING OF TALL FESCUE SHALL NOT BE UTILIZED.

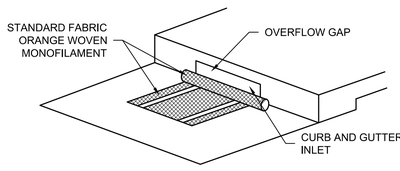
MAINTENANCE:
1. INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.
2. CHECK FOR EROSION AND MOVEMENT OF MULCH AND REPAIR IMMEDIATELY.
3. MONITOR FOR EROSION DAMAGE AND ADEQUATE COVER (70% DENSITY).
4. RESEED OR APPLY MULCH WHERE NECESSARY.
5. SELECT SOIL AMENDMENT MATERIALS AND RATES AS DETERMINED BY SOIL TESTS AND SITE CONDITIONS.

EROSION CONTROL SCHEDULE

CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
REVIEW THE EROSION CONTROL SCHEDULE ON THE DRAWINGS AND REVISE AS NEEDED TO PHASE CONSTRUCTION ACTIVITIES TO MINIMIZE THE FOOTPRINT OF DISTURBED UNSTABLE AREAS. SUBMIT A REVISED EROSION CONTROL SCHEDULE AS NEEDED FOR TEMPORARY AND PERMANENT EROSION CONTROL WORK AS APPLICABLE.	COMPLETE BEFORE CONSTRUCTION BEGINS.
CONSTRUCTION ACCESS - ENTRANCE TO SITE, CONSTRUCTION ROUTES, AREAS DESIGNATED FOR EQUIPMENT PARKING OR MATERIAL STAGING AND WASTE HANDLING.	THIS IS THE FIRST LAND DISTURBING ACTIVITY. AS SOON AS CONSTRUCTION BEGINS, STABILIZE ANY BARE AREAS WITH AGGREGATE AND TEMPORARY VEGETATION.
SEDIMENT TRAPS AND BARRIERS - BASIN TRAPS, SILT FENCE AND PERIMETER PROTECTION.	AS CONSTRUCTION IS ACCESSED, BASINS SHALL BE INSTALLED, WITH THE ADDITION OF MORE TRAPS AND BARRIERS AS NEEDED DURING GRADING. SET UP PROTECTION FOR NATURAL FEATURES, TREES AND BUFFERS.
RUNOFF CONTROL - DIVERSIONS, PERIMETER PROTECTION, CHECK DAMS, OUTLET PROTECTION.	RUNOFF CONTROL PRACTICES SHALL BE INSTALLED AFTER THE INSTALLATION OF SEDIMENT TRAPS AND BEFORE LAND GRADING. ADDITIONAL RUNOFF CONTROL MEASURES MAY BE INSTALLED DURING GRADING.
RUNOFF CONVEYANCE SYSTEMS - STABILIZE STREAM BANKS, STORM DRAINS, CHANNELS, INLET AND OUTLET PROTECTION, SLOPE DRAINS.	AS NECESSARY, STABILIZE STREAM BANKS AND SIDE SLOPES OF RUNOFF SYSTEMS AS SOON AS POSSIBLE. USE EROSION CONTROL BLANKETS OR SLOPE DRAINS TO PREVENT EROSION. INSTALL INLET PROTECTION TO PREVENT SEDIMENTS FROM ENTERING STORM DRAINAGE SYSTEMS. PROTECT STORM OUTLETS TO PREVENT EROSION.
LAND CLEARING AND GRADING - SITE PREPARATION CUTTING, FILLING, AND GRADING, SEDIMENT TRAPS, BARRIERS, DIVERSIONS, DRAINS, SURFACE ROUGHENING).	IMPLEMENT CLEARING AND GRADING AFTER INSTALLATION OF SEDIMENT TRAPS AND RUNOFF CONTROL MEASURES, AND INSTALL ADDITIONAL CONTROL MEASURES AS GRADING CONTINUES. CLEAR BORROW AND DISPOSAL AREAS AS NEEDED.
SURFACE STABILIZATION - TEMPORARY AND PERMANENT SEEDING, MULCHING, SODDING, RIPRAP, EROSION CONTROL BLANKET.	APPLY TEMPORARY OR PERMANENT STABILIZING MEASURES IMMEDIATELY TO ANY DISTURBED AREAS WHERE WORK HAS BEEN EITHER COMPLETED OR DELAYED.
CONSTRUCTION - STRUCTURES, UTILITIES, PAVING, CONCRETE WASHOUT, AND CONSTRUCTION ENTRANCES.	DURING CONSTRUCTION, INSTALL ANY EROSION AND SEDIMENTATION CONTROL MEASURES THAT ARE NEEDED.
LANDSCAPING AND FINAL STABILIZATION - TOPSOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SODDING, RIPRAP.	THIS IS THE LAST CONSTRUCTION PHASE. STABILIZE ALL DISTURBED AREAS, INCLUDING BORROW AND SPOIL AREAS, AND REMOVE ALL TEMPORARY CONTROL MEASURES. FINAL STABILIZATION IS WHEN A UNIFORM DENSITY OF 70% VEGETATION COVER IS MET. PROVIDE NOTIFICATION TO THE OWNER WHEN THE ENTIRE SITE HAS BEEN STABILIZED AND ALL CONSTRUCTION MATERIALS, WASTES, AND EQUIPMENT HAVE BEEN REMOVED.

EROSION CONTROL SCHEDULE

SCALE: NONE



DESIGN CONFORMS TO ALL SHAPES OF CONCRETE CURBS

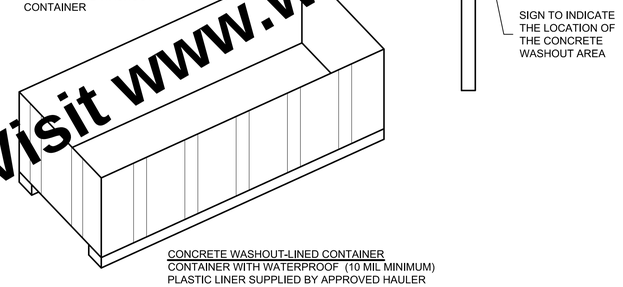
PRODUCT:
1. DANDY CURB SACK, OR APPROVED EQUAL.

INSTALLATION:
1. REMOVE THE GRATE FROM THE CATCH BASIN AND STAND ON END.
2. CRADLE THE GRATE BETWEEN THE UPPER AND LOWER STRAPS.
3. INSERT THE GRATE INTO THE INLET WITH THE LIFTING DEVICES. LOWER BACK EDGE WITH TUBE INTO PLACE. DO NOT PARTIALLY BLOCK THE CURB HOOD OPENING.

MAINTENANCE:
1. REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF UNIT AFTER EACH STORM EVENT.
2. REMOVE THE SEDIMENT THAT HAS ACCUMULATED WITHIN THE FABRIC AS NEEDED.
3. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.

CURB AND GUTTER INLET PROTECTION

SCALE: NONE



CONCRETE WASHOUT-LINED CONTAINER
CONTAINER WITH WATERPROOF (10 MIL MINIMUM) PLASTIC LINER SUPPLIED BY APPROVED HAULER

NOTES:
1. CONCRETE WASHOUT-LINED CONTAINER SHALL BE INSTALLED PRIOR TO ANY CONCRETE POURING ACTIVITIES ON SITE.

WASHOUT PROCEDURES:
1. DO NOT LEAVE EXCESS MUD IN THE CHUTES OR HOPPER AFTER POURING CONCRETE. MAKE EVERY EFFORT TO EMPTY THE CHUTE AND HOPPER AT THE POUR. THE LESS MATERIAL LEFT IN THE CHUTES AND HOPPER, THE QUICKER AND EASIER THE CLEANOUT. SMALL AMOUNTS OF EXCESS CONCRETE (NOT WASHOUT WATER) MAY BE DISPOSED OF IN AREAS THAT WILL NOT FLOW TO AN AREA THAT IS TO BE PROTECTED.
2. SCRAPE AS MUCH MATERIAL FROM THE CHUTES AS POSSIBLE BEFORE WASHING THEM. USE NON-WATER CLEANING METHODS TO MINIMIZE THE CHANCE FOR WASTE TO FLOW OFF SITE.
3. STOP WASHING OUT IN AN AREA IF YOU OBSERVE WATER RUNNING OFF THE DESIGNATED AREA OR IF THE WATER IS NOT BEING CONTAINED WITHIN THE WASHOUT CONTAINER AREA.
4. DO NOT BACK FLUSH EQUIPMENT AT THE PROJECT SITE.
5. DO NOT USE ADDITIVES WITH WASH WATER.
6. DO NOT WASH OUT OR DRAIN WASTE WATERS TO STORM DRAINS, WETLANDS, STREAMS, RIVERS, CREEKS, DITCHES OR STREETS.

MAINTENANCE:
1. REPAIR AND/OR REPLACE CONCRETE WASHOUT-LINED CONTAINER AS NECESSARY TO MAINTAIN CAPACITY FOR WASHOUT WATER.
2. CONCRETE WASHOUT SIGNS SHALL BE POSTED NEAR THE CONCRETE WASHOUT-LINED CONTAINER TO CLEARLY INDICATE THE LOCATION OF CONCRETE WASHOUT ACTIVITIES.

CONCRETE WASHOUT - LINED CONTAINER

SCALE: NONE

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BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	SEK				
	APPROVED BY	AMS				
	ISSUE DATE	AUGUST 2026				
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HARRISON ST WATER AND SEWER MAIN REPLACEMENT

TOWN OF LIBERTY, INDIANA

EROSION CONTROL DETAILS

SHEET NO. **12**

TOTAL SHEETS 13

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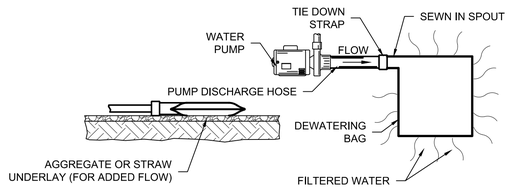


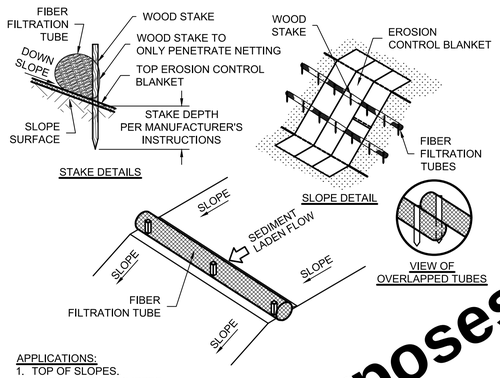
SIDE VIEW PLAN

MECHANICAL PROPERTIES	TEST METHOD	UNITS	INDUSTRY STANDARD
GRAB TENSILE STRENGTH	ASTM D4632	kN (LB)	0.9 (205) X 0.9 (205)
GRAB TENSILE ELONGATION	ASTM D4632	%	50 X 50
PUNCTURE STRENGTH	ASTM D4833	kN (LB)	0.58 (130)
MULLEN BURST STRENGTH	ASTM D3786	kPa (PSI)	2618 (380)
TRAPEZOID TEAR STRENGTH	ASTM D4533	kN (LB)	0.36 (80) X 0.36 (80)
UV RESISTANCE	ASTM D4355	%	70
APPARENT OPENING SIZE	ASTM D4751	Mm (US STD SIEVE)	0.180 (80)
FLOW RATE	ASTM D4491	1/MIN/M² (GAL/MIN/FT²)	3866 (95)
PERMITTIVITY	ASTM D4491	S^{-1}	1.2

MAINTENANCE:
1. DURING THE ACTIVE DEWATERING PROCESS, INSPECTION OF THE PUMPING BAG SHOULD BE REVIEWED FREQUENTLY. SPECIAL ATTENTION SHOULD BE PAID TO THE BUFFER AREA FOR ANY SIGN OF EROSION AND CONCENTRATION OF FLOW. OBSERVE WHERE POSSIBLE THE VISUAL QUALITY OF THE EFFLUENT AND DETERMINE IF ADDITIONAL TREATMENT CAN BE PROVIDED.
2. DISPOSE OF ACCUMULATED SEDIMENT REMOVED DURING PUMPING OPERATIONS IN CONFORMANCE WITH THE SPECIFICATIONS.
3. REPLACE THE BAG OR DISPOSE OF SILT WHEN HALF FULL OF SEDIMENT OR WHEN SEDIMENT HAS REDUCED THE FLOW RATE TO AN IMPRACTICAL RATE.

SOURCE:
KRISTAR
DANDY DEWATERING BAG
SEDCATCH

PUMPING BAG
SCALE: NONE

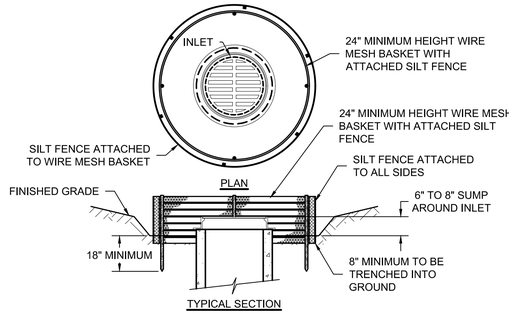


APPLICATIONS:
1. TOP OF SLOPES.
2. AT PROJECT PERIMETER.

INSTALLATION:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. USE THE APPROPRIATE SIZE, LENGTH AND INSTALLATION BETWEEN TUBES AS SPECIFIED BY THE MANUFACTURER.
3. ENTRENCH PER MANUFACTURER'S INSTRUCTIONS.

MAINTENANCE:
1. REMOVE ALL ACCUMULATED SEDIMENT WHEN IT REACHES 1/4 THE HEIGHT OF THE TUBE.
2. REPAIR ERODED AND UNDERMINED AREAS.
3. IF PONDING BECOMES EXCESSIVE DUE TO REDUCED FILTERING CAPACITY, REMOVE THE TUBE AND EITHER RECONSTRUCT OR REPLACE WITH NEW PRODUCT.
4. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.

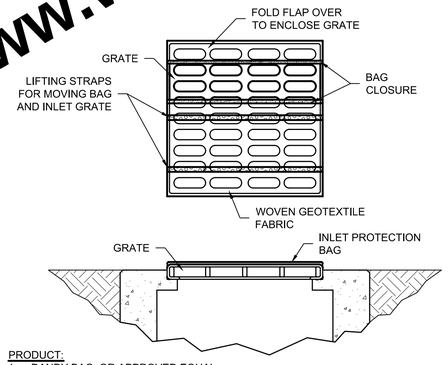
FIBER FILTRATION TUBES - SLOPE
SCALE: NONE



NOTES:
1. SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF WOVEN OR NON-WOVEN GEOTEXTILE FABRIC AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:
   a. TEXTILE STRENGTH AT 20% (MAXIMUM) ELONGATION, PER ASTM D4632.
   b. WOVEN EXTRA STRENGTH - 50 LB/LIN IN. (MINIMUM), NON-WOVEN EXTRA STRENGTH - 70 LB/IN. (MINIMUM).
   c. WOVEN STANDARD STRENGTH - 30 LB/LIN IN. (MINIMUM), NON-WOVEN STANDARD STRENGTH - 50 LB/IN. (MINIMUM).
   d. APPARENT OPENING SIZE (AOS) (U.S. SIEVE) - NO. 30 PARTICLE SIZE OF 0.6 mm (MAXIMUM), PER ASTM D4751.
   e. PERMITTIVITY - 0.05 S^{-1} (MAXIMUM), PER ASTM D4491.
2. WHEN STANDARD STRENGTH FILTER FABRIC IS USED WITH A WIRE MESH SUPPORT FENCE FASTEN THE FABRIC SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY 1" WIRE STAPLES, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2" AND SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE.

MAINTENANCE:
1. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND DAILY DURING PROLONGED RAINFALL. INSPECT AT LEAST ONCE EVERY 7 CALENDAR DAYS.
2. REPLACE THE FABRIC PROMPTLY IF THE FABRIC DECOMPOSES OR BECOMES INEFFECTIVE. IMMEDIATELY MAKE ANY REQUIRED REPAIRS.
3. REMOVE SEDIMENT DEPOSITS FROM THE POOL AREA AFTER EACH STORM EVENT AND WHEN IT REACHES HALF THE HEIGHT OF THE BARRIER.
4. SPREAD ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED, AND DRESS TO CONFORM WITH THE FINISHED GRADING.

SILT FENCE INLET SEDIMENT BARRIER
SCALE: NONE

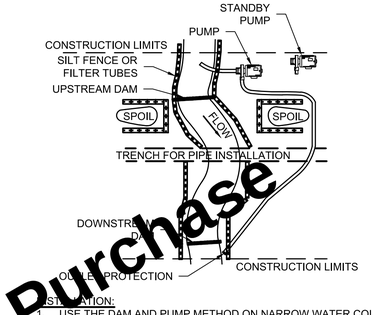


PRODUCT:
1. DANDY BAG, OR APPROVED EQUAL.

INSTALLATION:
1. THE EMPTY INLET PROTECTION BAG SHOULD BE PLACED OVER THE GRATE AS THE GRATE STANDS ON END.
2. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE.
3. HOLDING THE LIFTING DEVICES (DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE), PLACE THE GRATE INTO ITS FRAME.

MAINTENANCE:
1. REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF UNIT AFTER EACH STORM EVENT.
2. REMOVE SEDIMENT THAT HAS ACCUMULATED WITHIN THE CONTAINMENT AREA OF THE INLET PROTECTION BAG AS NEEDED.
3. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND ONCE EVERY 7 CALENDAR DAYS.

INLET PROTECTION BAG
SCALE: NONE



INSTALLATION:
1. USE THE DAM AND PUMP METHOD ON NARROW WATER COURSES WITH LOW STREAM FLOW. THE DAM AND PUMP METHOD IS NOT REQUIRED WHEN NO STREAM FLOW IS PRESENT OR ANTICIPATED.
2. THE INTAKE OF THE HOSE SHALL BE SCREENED WITH OPENINGS <3/32" TO PREVENT INTAKE OF FISH. FISH TRAPPED WITHIN THE DAMMED AREA SHALL BE RETURNED TO THE DOWNSTREAM CHANNEL. IF FISH PASSAGE IS A CONCERN, UTILIZE AN APPROVED ALTERNATE METHOD FOR IN-STREAM EXCAVATION.
3. INSTALL SILT FENCE OR OR FILTER TUBES PARALLEL TO BOTH SIDES OF THE STREAM PRIOR TO EXCAVATION.
4. THE DAM AND PUMP METHOD INVOLVES DAMMING THE STREAM BEFORE EXCAVATING IN ORDER TO PREVENT INTERRUPTING DOWNSTREAM FLOW BY PUMPING THE WATER SIMULTANEOUSLY WITH DAM CONSTRUCTION.
5. CONSTRUCT UPSTREAM AND DOWNSTREAM DAMS OF SANDBAGS, STEEL PLATES, PORTABLE DAM PRODUCT, AND/OR PLASTIC LINERS. NO SOIL OR OTHER ERODIBLE MATERIAL SHALL BE PLACED IN THE CHANNEL.
6. HAVE TWO PUMPS ON HAND, EACH SIZED WITH THE PUMPING CAPACITY OF THE ANTICIPATED STREAM FLOW, TO ENSURE STANDBY FUNCTION. ONE OF THE PUMPS MUST BE ONSITE AS A BACKUP PUMP OF EQUAL OR GREATER CAPACITY AT ALL TIMES IN CASE THE PRIMARY PUMP FAILS.
7. PUMP WATER ACROSS THE CONSTRUCTION AREA THROUGH A HOSE AND OUTLET PROTECTION PRACTICE OR TEMPORARY SEDIMENT TRAP BACK INTO THE DRY STREAM BED DOWNSTREAM.
8. MONITOR THE PUMPING OPERATION AT ALL TIMES, AND ADJUST THE PUMP AS NECESSARY TO MAINTAIN AN EVEN FLOW OF WATER ACROSS THE WORK AREA. MAINTAIN NEAR-NORMAL WATER LEVELS UPSTREAM AND DOWNSTREAM OF THE CONSTRUCTION LIMITS.
9. FILTER WATER PUMPED FROM BETWEEN THE TWO DAMS WITH A PUMPING BAG.
10. UTILIZE AN ADJACENT ROADWAY FOR VEHICLE AND EQUIPMENT CROSSINGS.

MAINTENANCE:
1. FOLLOW GENERAL MAINTENANCE PRACTICES FOR SILT FENCE, FILTER TUBES, OUTLET PROTECTION, TEMPORARY SEDIMENT TRAP, AND PUMPING BAG (IF NEEDED).
2. CONTINUOUSLY MONITOR DAMS FOR PROPER SEAL.
3. ADJUST THE DAMS AS NECESSARY TO PREVENT LARGE VOLUMES OF WATER FROM SEEPING AROUND THE DAMS AND INTO THE CONSTRUCTION WORK AREA.
4. INSPECT AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT.

DAM AND PUMP METHOD
SCALE: NONE

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SCALE VERIFICATION	DRAWN BY	MTF
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	SEK
	APPROVED BY	AMS
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HARRISON ST WATER AND SEWER MAIN REPLACEMENT
TOWN OF LIBERTY, INDIANA

EROSION CONTROL DETAILS

SHEET NO. 13
TOTAL SHEETS 13

Drawing: X:\Liberty\301726 Liberty Harrison St Emer WM\DWG\Sheets\301726-CD.dwg | Layout: 13 | Plotted: 08/24/26 @ 09:06:26 | LastSavedBy: MasonF