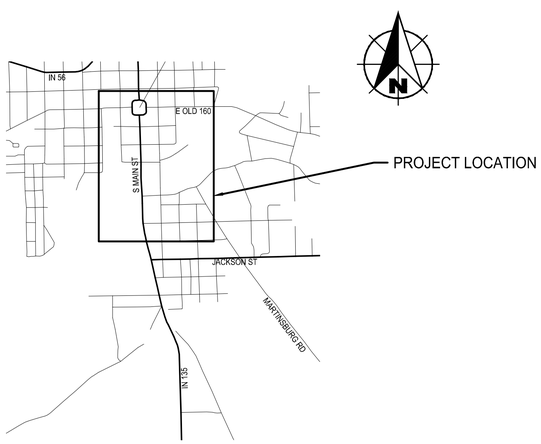
MAIN STREET WATER MAIN REPLACEMENT PHASE 3

FOR THE

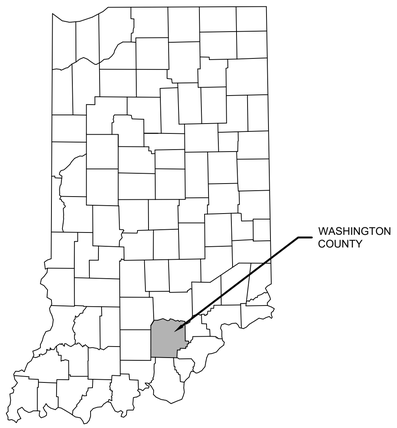
CITY OF SALEM, INDIANA



SALEM, INDIANA

VICINITY MAP

SCALE: NONE



STATE LOCATION MAP

SCALE: NONE

DRAWINGS PREPARED FOR:

HONORABLE JUSTIN GREEN - MAYOR

CITY COUNCIL

DANNY LIBKA - MEMBER
DYLAN MOORE - MEMBER
RICK MAINE - MEMBER
RANDY LEE - MEMBER
ROGER PENNINGTON - MEMBER
SALLY HATTABAUGH, CLERK-TREASURER

JENNIFER MILLS, WATER SUPERINTENDENT

WESSLER ENGINEERING

More than a Project™

INDIANAPOLIS
6219 South East Street
Indianapolis, Indiana 46227
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www.wesslerengineering.com

PROJECT NO. 269023-04-001

APRIL 2026

LOYS HUSTON REES
REGISTERED ENGINEER STATE OF INDIANA NO. 12000685

JUSTIN R. FRAZIER
REGISTERED ENGINEER STATE OF INDIANA NO. 10606088
COVERING MAINTENANCE OF TRAFFIC

Drawing: X:\Salem\269023 Salem Main St WM Ph 2 and 3\DWG\Sheets\269023-GS-PH3.dwg | Layout: 1G1 | Plotted: 04/02/26 @ 09:57:28 | LastSavedBy: jasonw

2012 IMAGERY FROM INDIANA STATE MAP

LOCATION AND SCOPE OF WORK PLAN

0 150 300 600FT
1"=300'

DRAWING INDEX	
SHEET NO.	DESCRIPTION
GENERAL	
01	TITLE SHEET
02	LOCATION PLAN AND DRAWING INDEX
03	GENERAL NOTES AND ABBREVIATIONS
PLAN SHEETS	
04 - 07	PLAN AND PROFILE - LINE B
PAVEMENT REPAIR AND EROSION CONTROL PLANS	
08 - 09	PLAN - LINE B PAVEMENT REPLACEMENT AND EROSION CONTROL PLAN
MAINTENANCE OF TRAFFIC	
10 - 12	MAINTENANCE OF TRAFFIC - LINE B
13	MAINTENANCE OF TRAFFIC DETAILS
MISCELLANEOUS DETAILS	
14 - 15	MISCELLANEOUS DETAILS
EROSION CONTROL DETAILS	
16 - 17	EROSION CONTROL DETAILS

CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
TBM #1	1222800	204080	746.43	CHISELED "X"
TBM #2	1222397	204016	737.39	BENCHTIE
TBM #3	1222092	204102	731.64	CHISELED SQUARE

(PROVIDED BY INDOT CONSULTANTS)
ORIGINATING BENCHMARK:

INDIANA STATE HIGHWAY COMMISSION BENCHMARK S-8, IN THE TOP OF THE SIDEWALK IN THE SOUTHWEST CORNER OF THE STATE ROAD 135 BRIDGE OVER WEST FORK OF BLUE RIVER, JUST SOUTH OF SALEM. THE PUBLISHED ELEVATION IN NGVD 29 DATUM WAS CONVERTED TO NAVD 88, AND ELEVATIONS FOR PROJECT CONTROL WERE ESTABLISHED BY DIFFERENTIAL LEVELING. HORIZONTAL COORDINATES SHOWN BELOW ARE REFERENCED TO THE INDIANA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 DATUM, AND ARE FOR REFERENCE PURPOSES ONLY.

ELEVATION = 730.69 (PUBLISHED) (NGVD 29)

ELEVATION = 730.31 (CONVERTED) (NAVD 88)

[NORTHING: 1,221,554; EASTING: 204,036]

TBM #1

CHISELED "X" ON WEST BONNET BOLT ON THE FIRE HYDRANT LOCATED IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF MAIN STREET AND POPLAR STREET IN SALEM.

ELEVATION= 746.43 (NAVD88)

[NORTHING: 1,222,800; EASTING: 204,080]

TBM #2

BENCHTIE IN THE NORTHEAST FACE OF THE UTILITY POLE IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF MAIN STREET AND CHERRY STREET IN SALEM.

ELEVATION = 737.39 (NAVD88)

[NORTHING: 1,222,397; EASTING: 204,016]

TBM #3

CHISELED SQUARE IN THE TOP OF THE CONCRETE CURB IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF MAIN STREET AND SMALL STREET IN SALEM, ±51 FEET EAST OF THE CENTERLINE OF MAIN STREET AND ±23 FEET NORTH OF THE CENTERLINE OF SMALL STREET.

ELEVATION = 731.64 (NAVD88)

[NORTHING: 1,222,092; EASTING: 204,102]

SCALE VERIFICATION	DRAWN BY	DMG
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	ADG
	APPROVED BY	LHR
	ISSUE DATE	APRIL 2026
	PROJECT NUMBER	269023-04-001

NO.	DATE	INITIALS	REVISION DESCRIPTIONS

LOYS HUSTON REES REGISTERED No. 12000685 STATE OF INDIANA PROFESSIONAL ENGINEER 04/01/2026

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MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

LOCATION PLAN AND DRAWING INDEX

SHEET NO. **02**

TOTAL SHEETS 17

EXISTING FEATURES LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
BM	BENCH MARK	DIS	CISTERN		EASEMENT - CONSTRUCTION/PERMANENT
TBM	TEMPORARY BENCH MARK	E/M	ELECTRIC METER		LOT BOUNDARY
SB 01	SOIL BORING LOCATION	AC	AIR CONDITIONING UNIT	PL	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
C.O	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 x	FENCE - FIELD
VV	VALVE VAULT		SIGN - RAILROAD SIGNAL	o 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 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	A	SATELLITE		
S	GAS SERVICE VALVE	SPH	SPRINKLER CONTROL VALVE		
PV	PETROLEUM VALVE		WATER METER		
S	PETROLEUM SHUTOFF VALVE	WV	WATER VALVE		
MW	GAS STATION MONITORING WELL	S	WATER SERVICE VALVE		
FC	GAS STATION FILL CAP	W	WATER WELL		
GW	NATURAL GAS WELL/STORAGE WELL	WW	WET WELL		
SP	SPRINKLER HEAD		BLOW OFF HYDRANT		
	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. IF ANY 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.

Indiana 811
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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.

UTILITY CONTACTS

GAS
MIDWEST NATURAL GAS
PO BOX 520
WASHINGTON, IN 47501
812-254-5087
ARTHUR CAMPBELL (acampbell@midnatgas.com)

COMMUNICATIONS
BLUE RIVER NETWORKING SERVICES
812-883-4259

TELE-MEDIA SERVICES
812-967-3171

TELEPHONE
VERIZON PHONE AND INTERNET SERVICES
800-483-5000

ELECTRIC
DUKE ENERGY
812-337-3015

HOOSIER ENERGY
812-876-2021

JACKSON COUNTY REMC
800-288-4458

SEWER
SALEM WASTEWATER
209 JOSEPH STREET
SALEM, IN 47168
812-883-4267

WATER
CITY OF SALEM
201 EAST MARKET STREET
812-883-3937
JENNIFER MILLS (Jennifer.Mills@cityofsalemin.com)

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 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, ACCURATE, EXHAUSTIVE OR EVEN APPROXIMATE. CONTACT THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE (DIGGER/OUPS) AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY AND NON-MEMBER UTILITIES DIRECTLY.
8. 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.
9. EXISTING UTILITY SERVICES 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 THE PLANNED IMPROVEMENTS.
10. COORDINATE WORK WITH THE RESPECTIVE UTILITIES. SCHEDULE WORK ACCORDINGLY, AND NOTIFY ALL UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY.
11. COORDINATE PLANNED UTILITY SERVICE INTERRUPTIONS WITH THE RESPECTIVE UTILITIES AND THE 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.
12. 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.
13. BRACE AND PROTECT ALL UTILITY POLES AND EXISTING STRUCTURES ADJACENT TO NEW EXCAVATIONS. UTILITY POLE BRACING SHALL BE AS DIRECTED BY THE GOVERNING UTILITY.
14. MAINTAIN EXISTING STORMWATER DRAINAGE FOR THE ENTIRE DURATION OF THE PROJECT.
15. DO NOT DISTURB EXISTING MANHOLES OR INLETS, UNLESS NOTED OTHERWISE.
16. 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.
17. COORDINATE STAGING AREA LOCATIONS WITH THE OWNER.
18. ALL CONSTRUCTION TRAFFIC SHALL USE MAJOR ROADS. NO CONSTRUCTION TRAFFIC SHALL USE LOCAL STREETS FOR INDIRECT ACCESS.
19. TO CONTROL DUST, REMOVE SOIL FROM STREETS USED BY CONSTRUCTION TRAFFIC DAILY, VACUUM AND WATER AS NECESSARY AND/OR AS DIRECTED BY THE OWNER.
20. NEW PIPING CARRYING LIQUIDS SHALL HAVE MINIMUM COVER AS DEFINED IN SPEC 02660, UNLESS SPECIFIC ELEVATIONS ON THE DRAWINGS INDICATE OTHERWISE.
21. PLACE NO. 8 CRUSHED AGGREGATE BETWEEN PIPES AT ALL PIPE CROSSINGS TO PREVENT PIPE SETTLEMENT UNLESS SHOWN OTHERWISE.
22. VERIFY EXISTING SEWER INVERTS AND LOCATIONS PRIOR TO CONSTRUCTION AND DETERMINE IF THERE ARE ANY DISCREPANCIES OR CONFLICTS.
23. RESET ALL MAILBOXES AND SIGNS DISTURBED BY CONSTRUCTION ACTIVITIES.
24. IF REQUIRED, PLACE TEMPORARY OVERNIGHT AGGREGATE WEDGES AT DRIVEWAYS TO ALLOW PROPERTY OWNER ACCESS.
25. BASIS OF DESIGN IS PER INDOT STAGE 2 DESIGN PROVIDED BY HWC DATED NOVEMBER 17, 2023.

SCALE VERIFICATION
BAR IS ONE INCH LONG ON ORIGINAL DRAWING

DRAWN BY	DMG
CHECKED BY	ADG
APPROVED BY	LHR
ISSUE DATE	APRIL 2026
PROJECT NUMBER	269023-04-001

NO.	DATE	INITIALS	REVISION DESCRIPTIONS

LOYD HUSTON REES REGISTERED No. 12000685 STATE OF INDIANA PROFESSIONAL ENGINEER 04/01/2026

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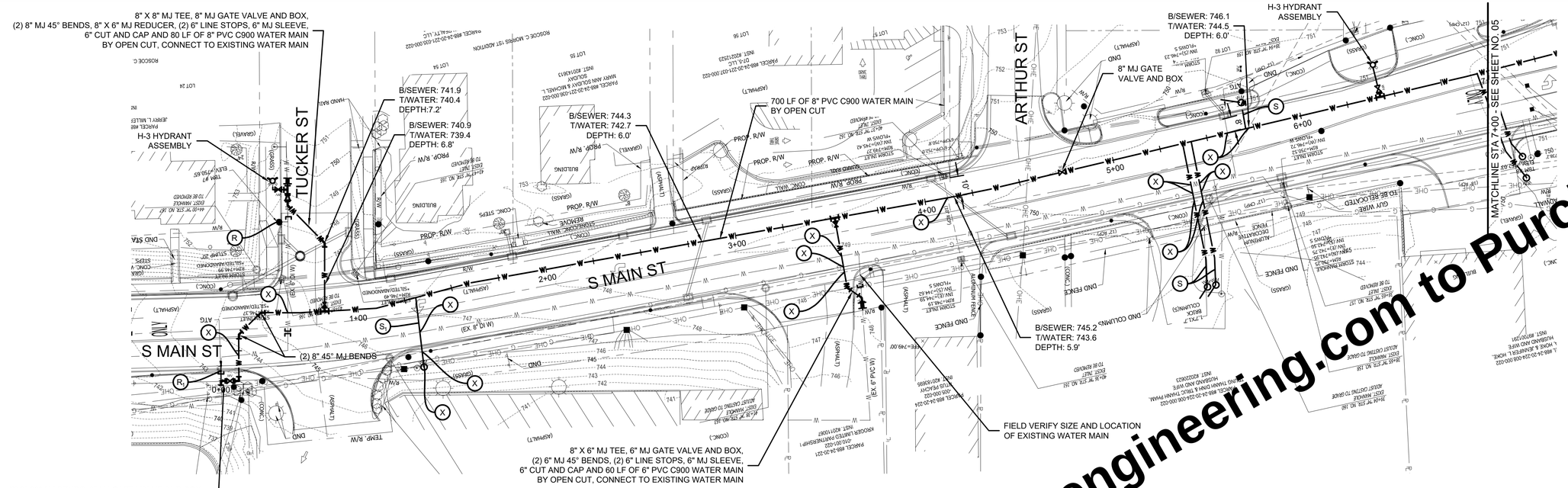
MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

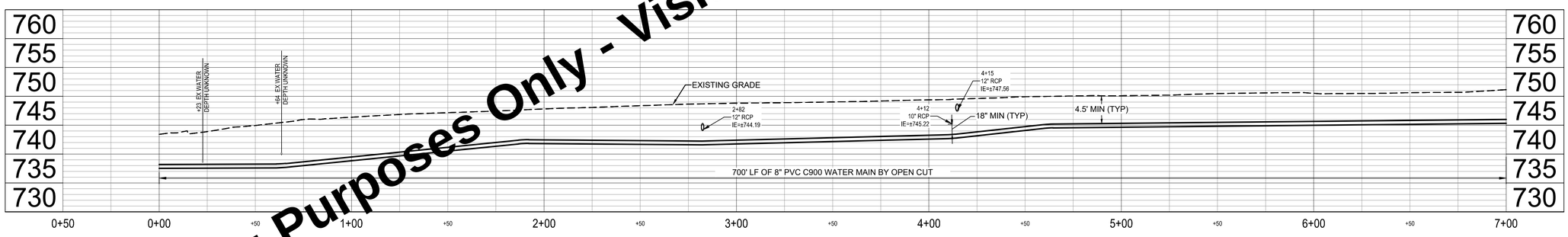
GENERAL NOTES AND ABBREVIATIONS

SHEET NO. 03

TOTAL SHEETS 17



PLAN - LINE B
SCALE: 1" = 30'



PROFILE - Line B
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 10'

GENERAL NOTES:

1. COORDINATE WITH RESPECTIVE UTILITY TO SUPPORT EXISTING UTILITY POLES AS NEEDED TO INSTALL NEW WATER MAIN.
2. COORDINATE WITH OWNER TO ISOLATE EXISTING WATER MAIN AT VALVE.
3. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING SEWER PRIOR TO INSTALLATION.
4. STORM SEWER WORK TO BE COMPLETED BY OTHERS.
5. IDENTIFY UTILITY SIDE AND CUSTOMER SIDE SERVICE LINE MATERIAL TYPE AND RECORD INFORMATION. NOTIFY THE ENGINEER IMMEDIATELY IF LEAD MATERIAL OR GALVANIZED MATERIAL AFTER LEAD MATERIAL IS FOUND.

KEYED NOTES ○

- S — NEW 3/4" SERVICE LINE IN 2" CASING, METER PIT, AND CONNECT TO EXISTING SERVICE LINE
- S_1 — NEW 1" SERVICE LINE IN 2" CASING, METER PIT, AND CONNECT TO EXISTING SERVICE LINE
- R — REMOVE EXISTING HYDRANT, CLOSE EXISTING AUXILIARY VALVE AND REMOVE BOX AND LID. IF AUXILIARY VALVE IS NOT PRESENT CAP EXISTING HYDRANT LEAD
- R_1 — CLOSE EXISTING VALVE AND REMOVE EXISTING VALVE BOX AND LID
- X — POTENTIAL CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION

SCALE VERIFICATION	DRAWN BY	DMG	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	ADG					
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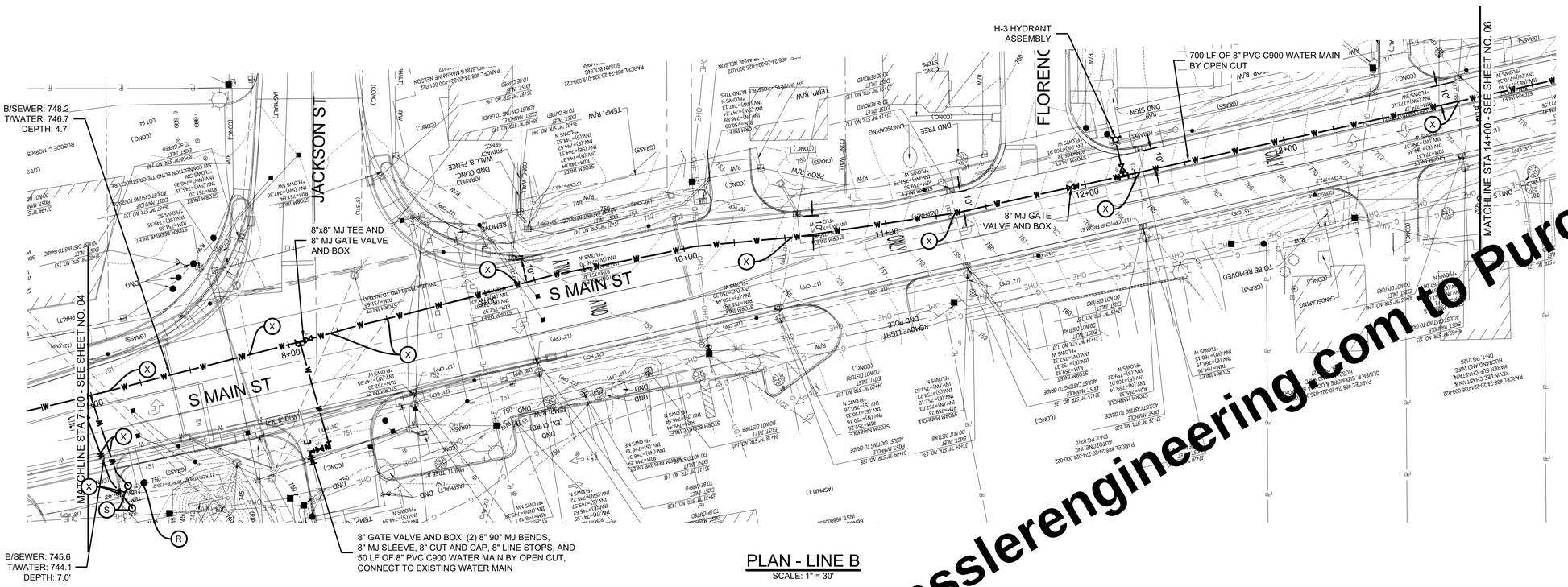
MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

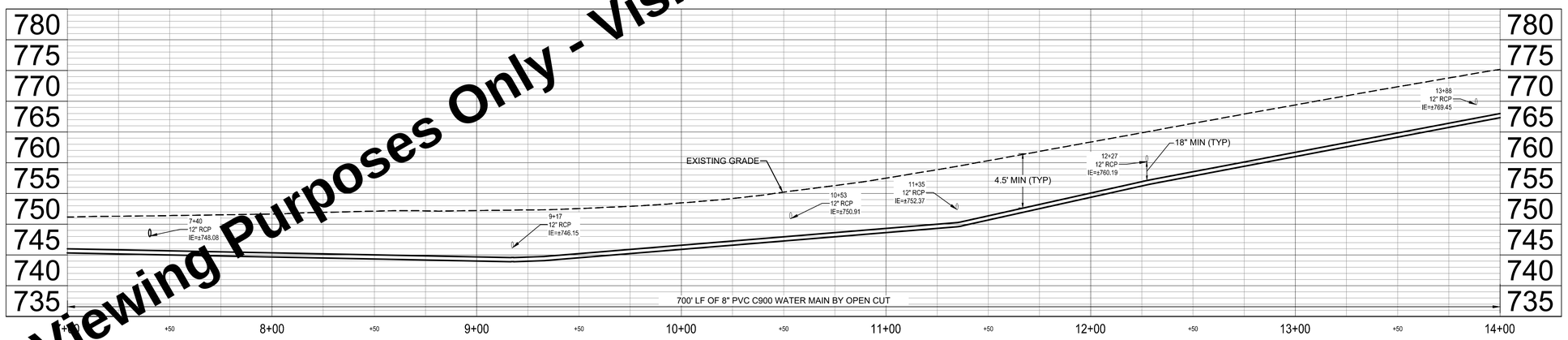
PLAN AND PROFILE - LINE B

SHEET NO. **04**

TOTAL SHEETS 17



PLAN - LINE B
SCALE: 1" = 30'



PROFILE - Line B
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 10'

GENERAL NOTES:

1. COORDINATE WITH RESPECTIVE UTILITY TO SUPPORT EXISTING UTILITY POLES AS NEEDED TO INSTALL NEW WATER MAIN.
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3. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING SEWER PRIOR TO INSTALLATION.
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- R_1 — CLOSE EXISTING VALVE AND REMOVE EXISTING VALVE BOX AND LID
- X — POTENTIAL CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION

0 15 30 60 FT
1" = 30'

SCALE VERIFICATION	DRAWN BY	DMG	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	ADG					
	APPROVED BY	LHR					
	ISSUE DATE	APRIL 2026					
	PROJECT NUMBER	269023-04-001					

LOYS HUSTON REES — REGISTERED No. 12000685 — STATE OF INDIANA — PROFESSIONAL ENGINEER — 04/01/2026

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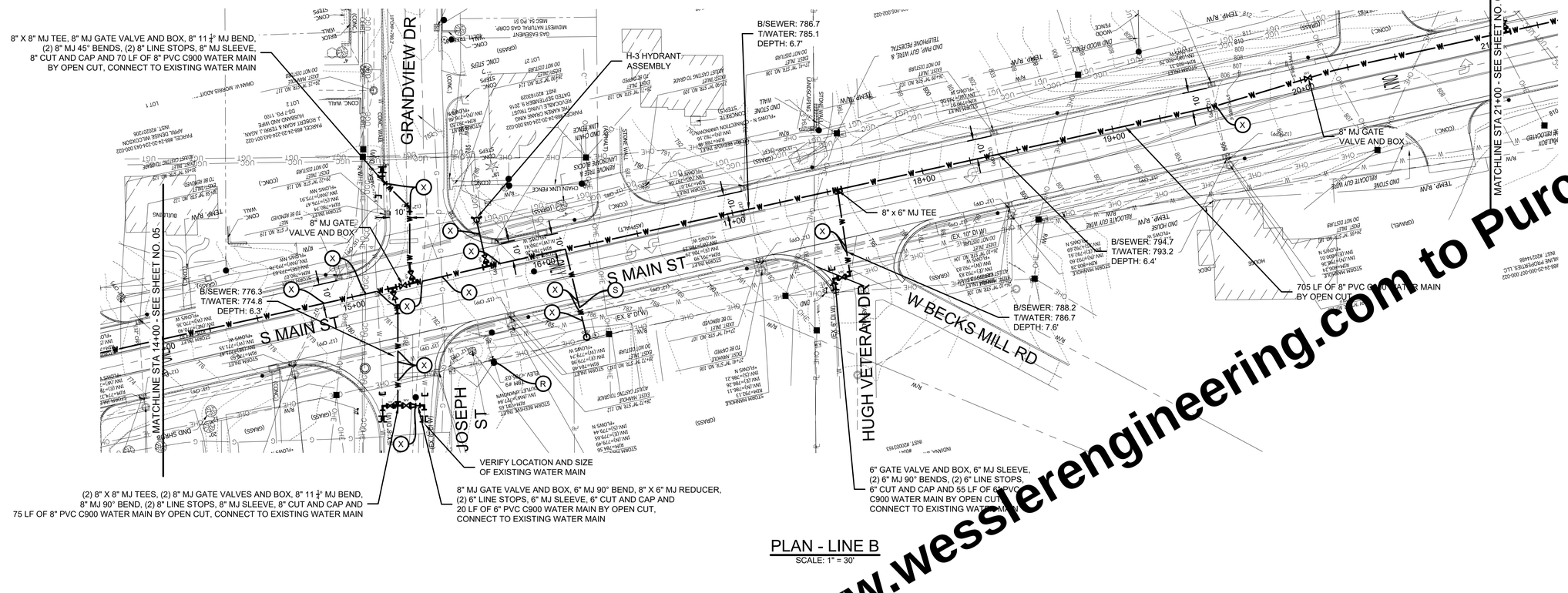
MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

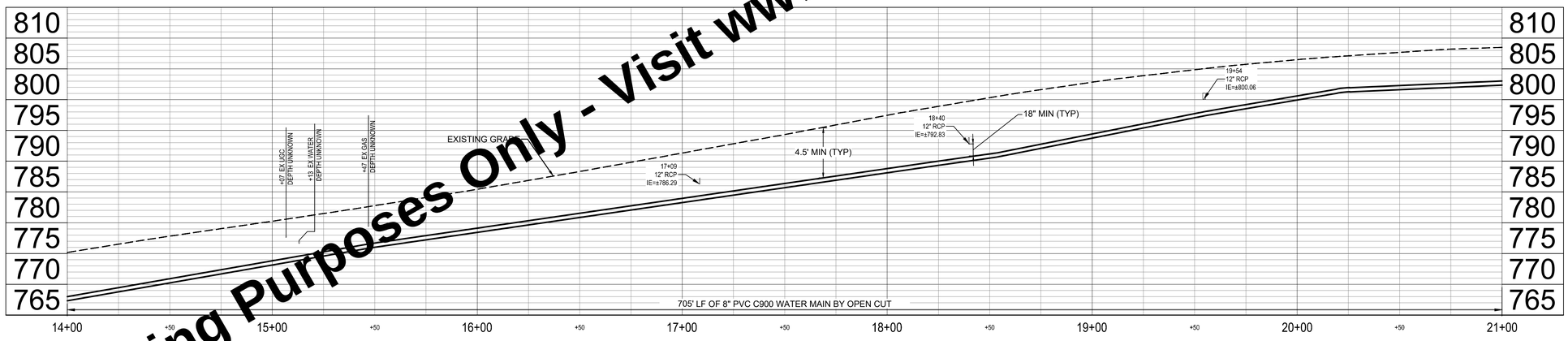
PLAN AND PROFILE - LINE B

SHEET NO. **05**

TOTAL SHEETS 17



PLAN - LINE B
SCALE: 1" = 30'



PROFILE - Line B
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 10'

GENERAL NOTES:

1. COORDINATE WITH RESPECTIVE UTILITY TO SUPPORT EXISTING UTILITY POLES AS NEEDED TO INSTALL NEW WATER MAIN.
2. COORDINATE WITH OWNER TO ISOLATE EXISTING WATER MAIN AT VALVE.
3. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING SEWER PRIOR TO INSTALLATION.
4. STORM SEWER WORK TO BE COMPLETED BY OTHERS.
5. IDENTIFY UTILITY SIDE AND CUSTOMER SIDE SERVICE LINE MATERIAL TYPE AND RECORD INFORMATION. NOTIFY THE ENGINEER IMMEDIATELY IF LEAD MATERIAL OR GALVANIZED MATERIAL AFTER LEAD MATERIAL IS FOUND.

KEYED NOTES ○

- S — NEW 3/4" SERVICE LINE IN 2" CASING, METER PIT, AND CONNECT TO EXISTING SERVICE LINE
- S_1 — NEW 1" SERVICE LINE IN 2" CASING, METER PIT, AND CONNECT TO EXISTING SERVICE LINE
- R — REMOVE EXISTING HYDRANT, CLOSE EXISTING AUXILIARY VALVE AND REMOVE BOX AND LID. IF AUXILIARY VALVE IS NOT PRESENT CAP EXISTING HYDRANT LEAD
- R_1 — CLOSE EXISTING VALVE AND REMOVE EXISTING VALVE BOX AND LID
- X — POTENTIAL CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION

SCALE VERIFICATION	DRAWN BY	DMG	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	ADG					
	APPROVED BY	LHR					
	ISSUE DATE	APRIL 2026					
	PROJECT NUMBER	269023-04-001					

LOYS HUSTON REES — REGISTERED No. 12000685 — STATE OF INDIANA — PROFESSIONAL ENGINEER — 04/01/2026

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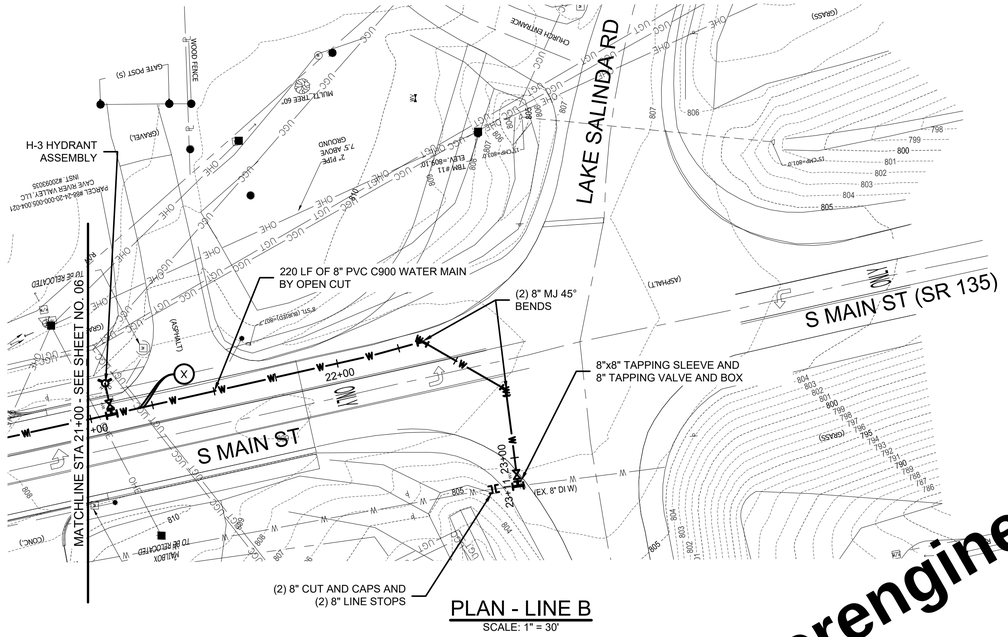
MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

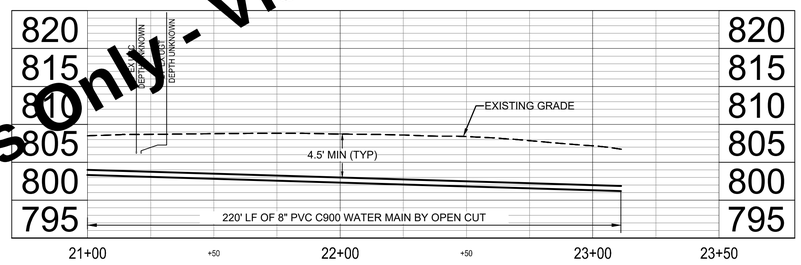
PLAN AND PROFILE - LINE B

SHEET NO. **06**

TOTAL SHEETS 17



PLAN - LINE B
SCALE: 1" = 30'



PROFILE - Line B
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 10'

0 15 30 60 FT
1" = 30'

GENERAL NOTES:

1. COORDINATE WITH RESPECTIVE UTILITY TO SUPPORT EXISTING UTILITY POLES AS NEEDED TO INSTALL NEW WATER MAIN.
2. COORDINATE WITH OWNER TO ISOLATE EXISTING WATER MAIN AT VALVE.
3. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING SEWER PRIOR TO INSTALLATION.
4. STORM SEWER WORK TO BE COMPLETED BY OTHERS.
5. IDENTIFY UTILITY SIDE AND CUSTOMER SIDE SERVICE LINE MATERIAL TYPE AND RECORD INFORMATION. NOTIFY THE ENGINEER IMMEDIATELY IF LEAD MATERIAL OR GALVANIZED MATERIAL AFTER LEAD MATERIAL IS FOUND.

KEYED NOTES ○

S	NEW 3/4" SERVICE LINE IN 2" CASING, METER PIT, AND CONNECT TO EXISTING SERVICE LINE
S_1	NEW 1" SERVICE LINE IN 2" CASING, METER PIT, AND CONNECT TO EXISTING SERVICE LINE
R	REMOVE EXISTING HYDRANT, CLOSE EXISTING AUXILIARY VALVE AND REMOVE BOX AND LID. IF AUXILIARY VALVE IS NOT PRESENT CAP EXISTING HYDRANT LEAD
R_1	CLOSE EXISTING VALVE AND REMOVE EXISTING VALVE BOX AND LID
X	POTENTIAL CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION

SCALE VERIFICATION	DRAWN BY	DMG	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	ADG					
	APPROVED BY	LHR					
	ISSUE DATE	APRIL 2026					
	PROJECT NUMBER	269023-04-001					

LOYS HUSTON REES REGISTERED No. 12000685 STATE OF INDIANA PROFESSIONAL ENGINEER 04/01/2026

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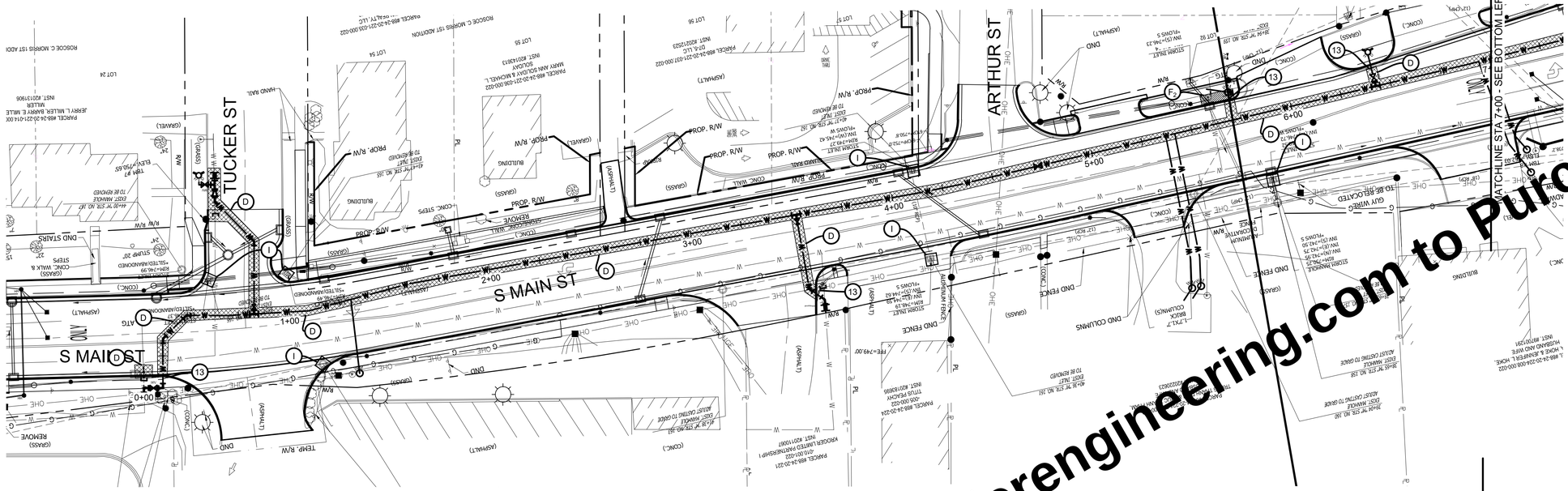
MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

PLAN AND PROFILE - LINE B

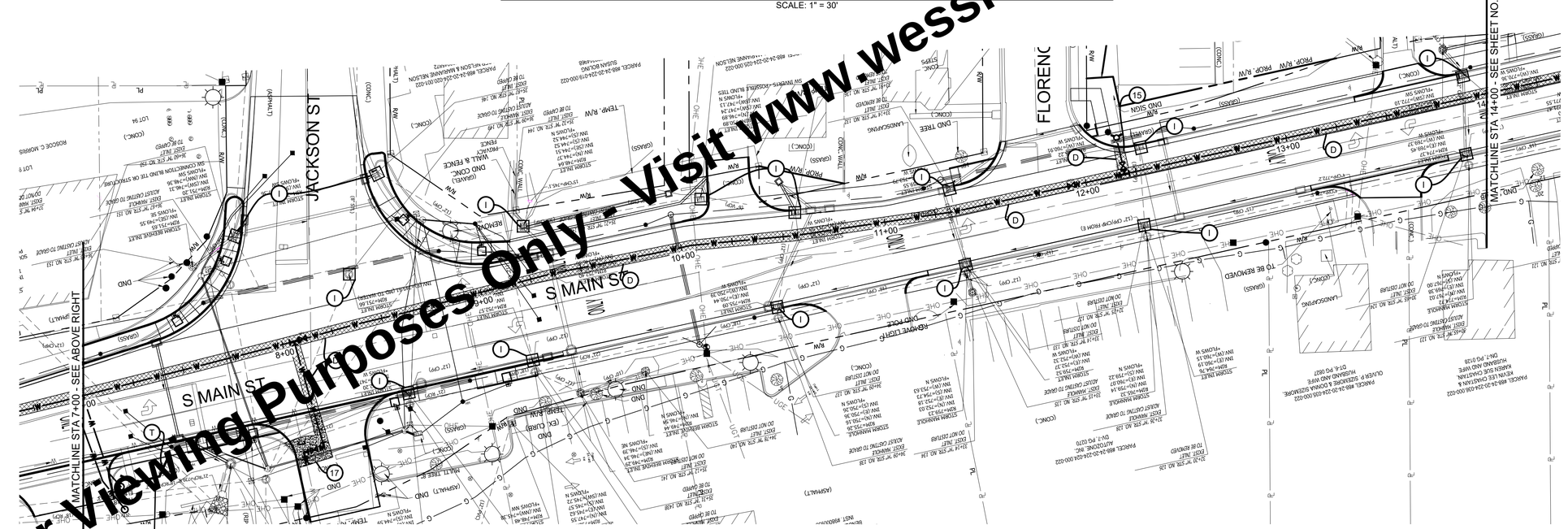
SHEET NO. **07**

TOTAL SHEETS 17



PLAN - LINE B PAVEMENT REPLACEMENT AND EROSION CONTROL PLAN

SCALE: 1" = 30'



PLAN - LINE B PAVEMENT REPLACEMENT AND EROSION CONTROL PLAN

SCALE: 1" = 30'

FILTER SOCK/SILT FENCE

0 15 30 60 FT

1" = 30'

NOTED NOTES

D	PAVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I OR CLASS II BACKFILL
D_2	ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
F_1	DECORATIVE CONCRETE BRICKS AND SAND BACKFILL
F_2	CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I OR CLASS II BACKFILL - SEE DETAILS SHEET NO. 13
I	INLET PROTECTION
T	SILT FENCE / FIBER FILTRATION TUBE
13	CONCRETE CURB REPAIR, MATCH EXISTING AND FULL DEPTH CLASS I OR CLASS II BACKFILL - SEE DETAILS SHEET NO. 13
15	CONCRETE CURB AND GUTTER REPAIR, MATCH EXISTING AND FULL DEPTH CLASS I OR CLASS II BACKFILL - SEE DETAILS SHEET NO. 13
17	CONCRETE PAVEMENT REPAIR AND FULL DEPTH CLASS I OR CLASS II BACKFILL - SEE DETAIL SHEET NO. 13

LEGEND

- INLET PROTECTION
- SILT FENCE / FIBER FILTRATION TUBE
- PAVEMENT REPAIR AND FULL DEPTH
- CONCRETE CURB AND GUTTER REPAIR
- CONCRETE SIDEWALK REPAIR
- DECORATIVE CONCRETE PAVER REPLACEMENT
- CRUSHED STONE STONE TEMPORARY REPAIR
- ASPHALT DRIVE REPAIR
- CONCRETE PAVEMENT REPAIR

GENERAL NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN OR AS DETERMINED NECESSARY BY CONTRACTOR TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA.

SCALE VERIFICATION	DRAWN BY	DMG	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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	APPROVED BY	LHR				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	269023-04-001				

LOUIS HUSTON REES — REGISTERED — No. 12000685 — STATE OF INDIANA — PROFESSIONAL ENGINEER — 04/07/2026

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MAIN STREET WATER MAIN REPLACEMENT PHASE 3

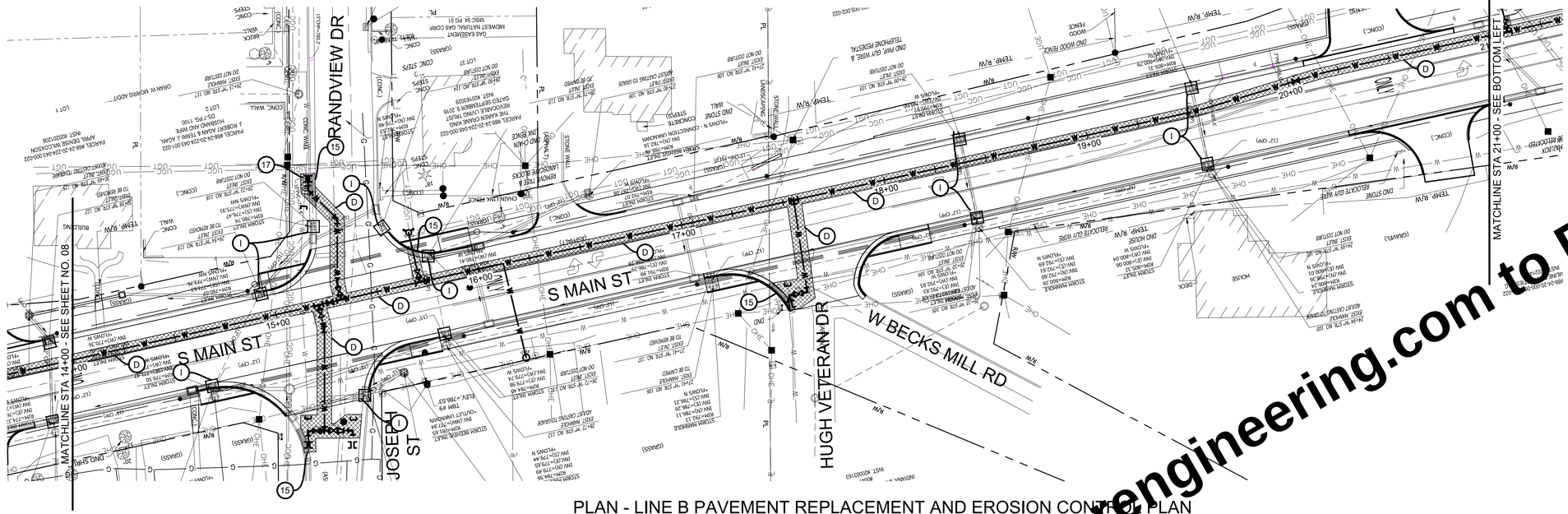
CITY OF SALEM, INDIANA

PLAN - LINE B PAVEMENT REPLACEMENT AND EROSION CONTROL PLAN

SHEET NO. 08

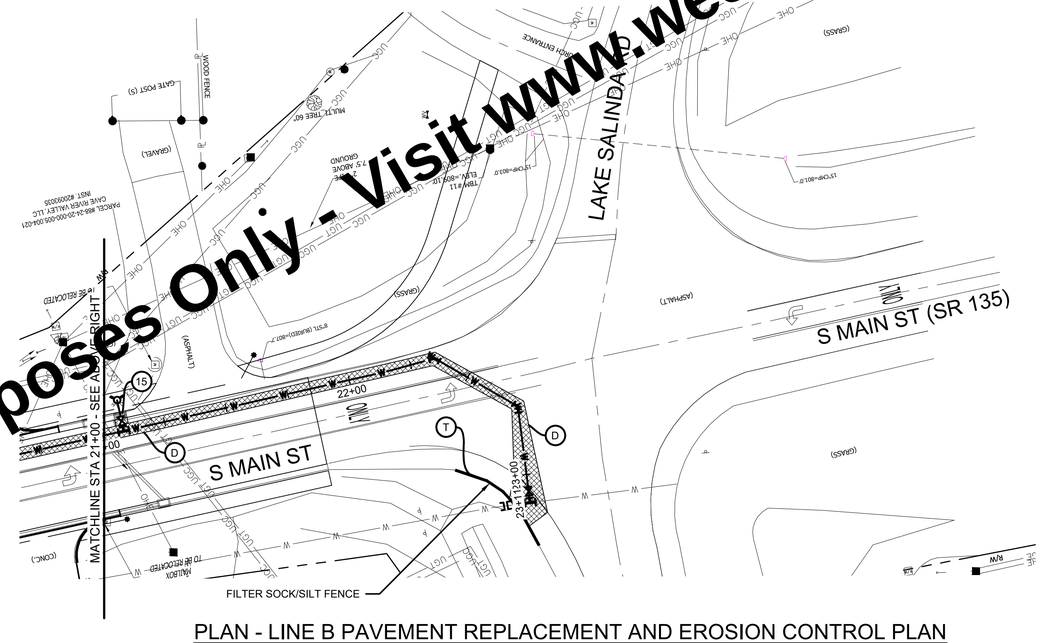
TOTAL SHEETS 17

Drawing: X:\Salem\269023 Salem Main St WM Ph 2 and 3\DWG\Sheets\269023-PR-EC-PH3.dwg | Layout: 06 | Plotted: 04/02/26 @ 09:40:22 | LastSavedBy: MasonF



PLAN - LINE B PAVEMENT REPLACEMENT AND EROSION CONTROL PLAN

SCALE: 1" = 30'



PLAN - LINE B PAVEMENT REPLACEMENT AND EROSION CONTROL PLAN

SCALE: 1" = 30'

0 15 30 60 FT

1" = 30'

NOTED NOTES

D	PAVEMENT (LOCAL STREETS) REPAIR AND FULL DEPTH CLASS I OR CLASS II BACKFILL
D_2	ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
F_1	DECORATIVE CONCRETE BRICKS AND SAND BACKFILL
F_2	CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I OR CLASS II BACKFILL - SEE DETAILS SHEET NO. 13
I	INLET PROTECTION
T	SILT FENCE / FIBER FILTRATION TUBE
13	CONCRETE CURB REPAIR, MATCH EXISTING AND FULL DEPTH CLASS I OR CLASS II BACKFILL - SEE DETAILS SHEET NO. 13
15	CONCRETE CURB AND GUTTER REPAIR, MATCH EXISTING AND FULL DEPTH CLASS I OR CLASS II BACKFILL - SEE DETAILS SHEET NO. 13
17	CONCRETE PAVEMENT REPAIR AND FULL DEPTH CLASS I OR CLASS II BACKFILL - SEE DETAIL SHEET NO. 13

LEGEND

- INLET PROTECTION
- SILT FENCE / FIBER FILTRATION TUBE
- PAVEMENT REPAIR AND FULL DEPTH
- CONCRETE CURB AND GUTTER REPAIR
- CONCRETE SIDEWALK REPAIR
- DECORATIVE CONCRETE PAVER REPLACEMENT
- CRUSHED STONE STONE TEMPORARY REPAIR
- ASPHALT DRIVE REPAIR
- CONCRETE PAVEMENT REPAIR

GENERAL NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN OR AS DETERMINED NECESSARY BY CONTRACTOR TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA.

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	PROJECT NUMBER	269023-04-001				

LOUIS HUSTON REES — REGISTERED No. 12000685 — STATE OF INDIANA — PROFESSIONAL ENGINEER — 04/07/2026

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MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

PLAN - LINE B PAVEMENT REPLACEMENT AND EROSION CONTROL PLAN

SHEET NO. **09**

TOTAL SHEETS 17

MAINTENANCE OF TRAFFIC - LINE B WORK AREA AND ADVANCE SIGNAGE

SCALE: 1" = 100'

0 50 100 200 FT

1" = 100'

TRAFFIC CONTROL LEGEND

- WORK AREA(S)
- TYPE A CONSTRUCTION WARNING LIGHT
- 2 "UTILITY WORK AHEAD" (W21-7)
- 3 "ROAD CLOSED AHEAD" (W20-3)
- 4 "ONE LANE ROAD AHEAD" (W20-4)
- 5 FLAGGER SIGN (W20-7)
- 6 "END ROAD WORK" (G20-2)
- 15 "NO PARKING" (R8-3)
- 16 "NO RIGHT TURN" (R3-1)
- 17 "NO LEFT TURN" (R3-2)
- A TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, LANE INDICATION ARROW
- W TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 4"
- W2 TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 24" STOP BAR
- W3 TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 4" SKIP
- Y2 TEMPORARY PAVEMENT MARKING, REMOVABLE, DOUBLE YELLOW, 4"
- RM REMOVE OR BLACK OUT CONFLICTING EXISTING PAVEMENT MARKINGS
- FL CONSTRUCT UNDER FLAGGER OR OTHER TRAFFIC OPERATIONS IN ACCORDANCE WITH INDIANA MUTCD. ADJUST THE MAINTENANCE OF TRAFFIC AS NECESSARY.
- TRAFFIC CONTROL DRUM
- TRAFFIC FLOW DIRECTION
- ROAD CLOSURE SIGN ASSEMBLY, INCLUDES R11-2, BARRICADE TYPE IIIB, AND TYPE B CONSTRUCTION WARNING LIGHT
- FLAGGER
- SIGN

TRAFFIC CONTROL NOTES

1. PROTECTION OF AND ACCESS FOR: PEDESTRIANS, EMERGENCY VEHICLES, AND ADJACENT RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED DURING CONSTRUCTION.
2. PROVIDE 50 UNDISTRIBUTED CONSTRUCTION SIGNS (TYPE B) FOR SIDEWALK CLOSED, PEDESTRIAN ROUTING, BUSINESS ROUTING, ETC.

SCALE VERIFICATION	DRAWN BY	JRF	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	
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	APPROVED BY	JRF					
	ISSUE DATE	APRIL 2026					
	PROJECT NUMBER	269023-04-001					

JUSTIN R. FRAZIER REGISTERED No. 10606088 STATE OF INDIANA PROFESSIONAL ENGINEER 04/01/2026

WESSLER ENGINEERING

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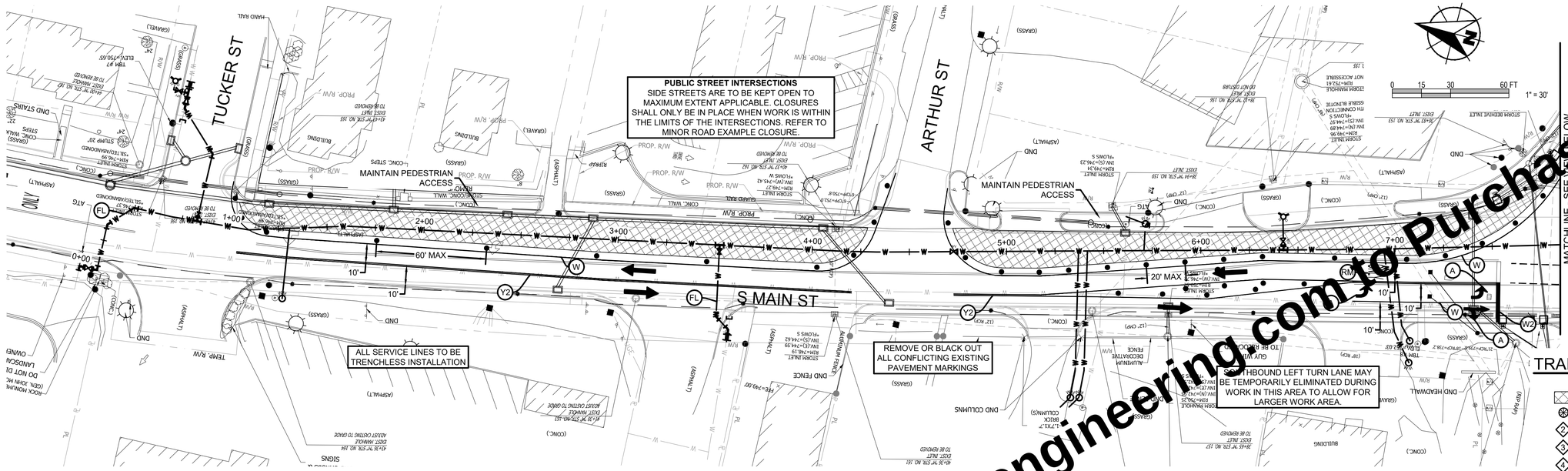
MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

MAINTENANCE OF TRAFFIC - LINE B

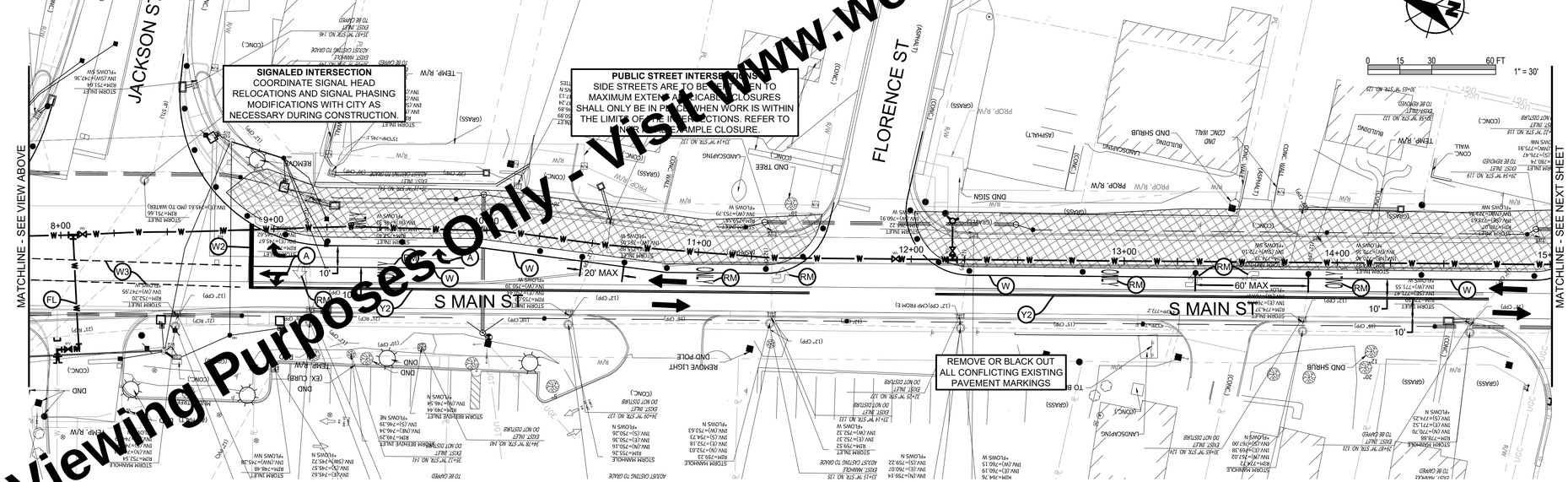
SHEET NO. **10**

TOTAL SHEETS 17



MAINTENANCE OF TRAFFIC - LINE B

SCALE: 1" = 30'



MAINTENANCE OF TRAFFIC - LINE B

SCALE: 1" = 30'

TRAFFIC CONTROL LEGEND

- WORK AREA(S)
- TYPE A CONSTRUCTION WARNING LIGHT
- (2) "UTILITY WORK AHEAD" (W21-7)
- (3) "ROAD CLOSED AHEAD" (W20-3)
- (4) "ONE LANE ROAD AHEAD" (W20-4)
- (5) FLAGGER SIGN (W20-7)
- (6) "END ROAD WORK" (G20-2)
- (15) "NO PARKING" (R8-3)
- (16) "NO RIGHT TURN" (R3-1)
- (17) "NO LEFT TURN" (R3-2)
- (A) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, LANE INDICATION ARROW
- (W) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 4"
- (W2) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 24" STOP BAR
- (W3) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 4" SKIP
- (Y2) TEMPORARY PAVEMENT MARKING, REMOVABLE, DOUBLE YELLOW, 4"
- (RM) REMOVE OR BLACK OUT CONFLICTING EXISTING PAVEMENT MARKINGS
- (FL) CONSTRUCT UNDER FLAGGER OR OTHER TRAFFIC OPERATIONS IN ACCORDANCE WITH INDIANA MUTCD. ADJUST THE MAINTENANCE OF TRAFFIC AS NECESSARY.
- TRAFFIC CONTROL DRUM
- TRAFFIC FLOW DIRECTION
- ROAD CLOSURE SIGN ASSEMBLY, INCLUDES R11-2, BARRICADE TYPE IIIB, AND TYPE B CONSTRUCTION WARNING LIGHT
- FLAGGER
- SIGN

TRAFFIC CONTROL NOTES

1. PROTECTION OF AND ACCESS FOR: PEDESTRIANS, EMERGENCY VEHICLES, AND ADJACENT RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED DURING CONSTRUCTION.
2. PROVIDE 50 UNDISTRIBUTED CONSTRUCTION SIGNS (TYPE B) FOR SIDEWALK CLOSED, PEDESTRIAN ROUTING, BUSINESS ROUTING, ETC.

SCALE VERIFICATION	DRAWN BY	JRF	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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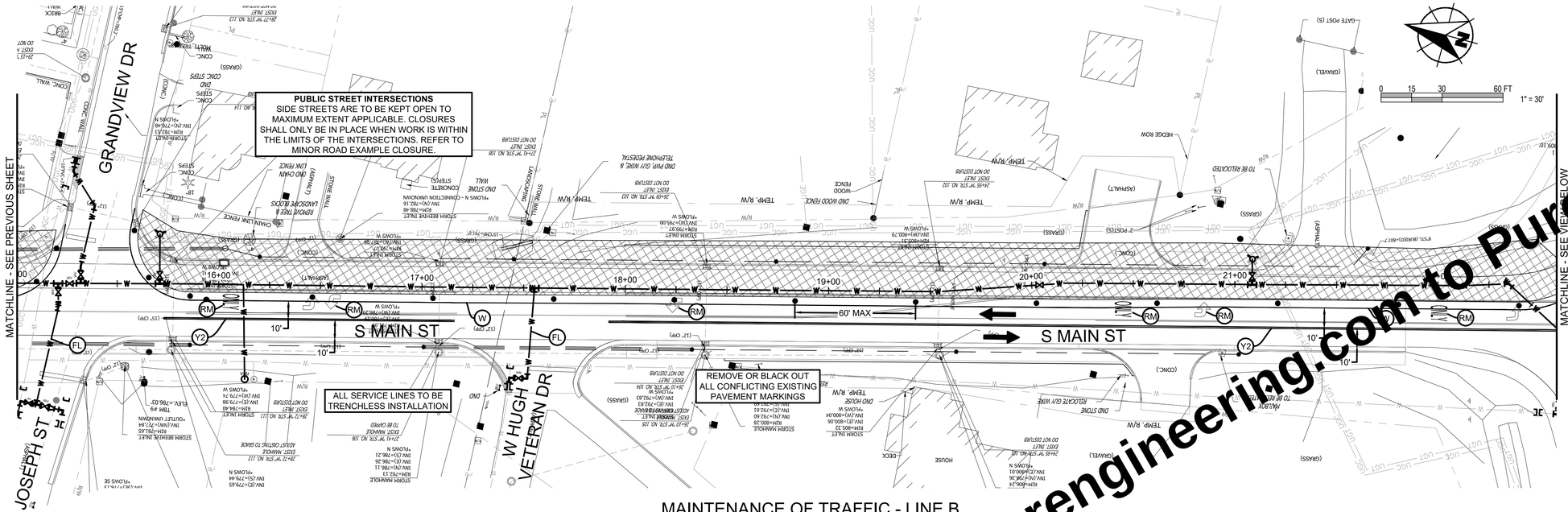
MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

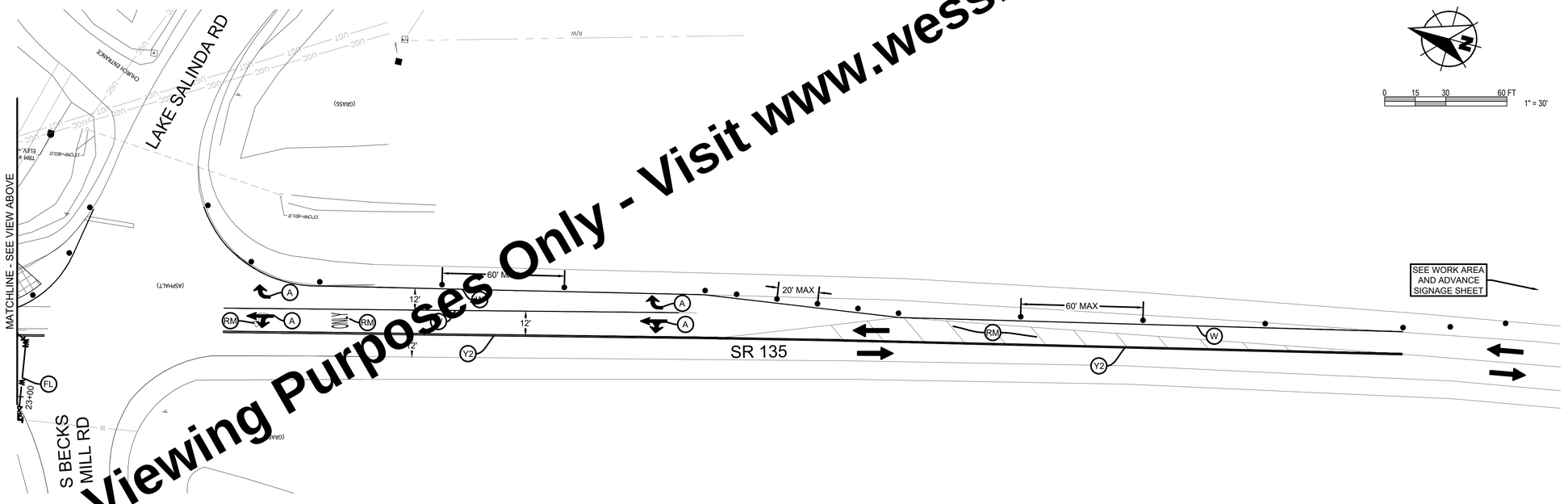
MAINTENANCE OF TRAFFIC - LINE B

SHEET NO. 11

TOTAL SHEETS 17



MAINTENANCE OF TRAFFIC - LINE B
SCALE: 1" = 30'



MAINTENANCE OF TRAFFIC - LINE B
SCALE: 1" = 30'

TRAFFIC CONTROL LEGEND

- WORK AREA(S)
- TYPE A CONSTRUCTION WARNING LIGHT
- (2) "UTILITY WORK AHEAD" (W21-7)
- (3) "ROAD CLOSED AHEAD" (W20-3)
- (4) "ONE LANE ROAD AHEAD" (W20-4)
- (5) FLAGGER SIGN (W20-7)
- (6) "END ROAD WORK" (G20-2)
- (15) "NO PARKING" (R8-3)
- (16) "NO RIGHT TURN" (R3-1)
- (17) "NO LEFT TURN" (R3-2)
- (A) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, LANE INDICATION ARROW
- (W) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 4"
- (W2) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 24" STOP BAR
- (W3) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 4" SKIP
- (Y2) TEMPORARY PAVEMENT MARKING, REMOVABLE, DOUBLE YELLOW, 4"
- (RM) REMOVE OR BLACK OUT CONFLICTING EXISTING PAVEMENT MARKINGS
- (FL) CONSTRUCT UNDER FLAGGER OR OTHER TRAFFIC OPERATIONS IN ACCORDANCE WITH INDIANA MUTCD. ADJUST THE MAINTENANCE OF TRAFFIC AS NECESSARY.
- TRAFFIC CONTROL DRUM
- TRAFFIC FLOW DIRECTION
- ROAD CLOSURE SIGN ASSEMBLY, INCLUDES R11-2, BARRICADE TYPE IIIB, AND TYPE B CONSTRUCTION WARNING LIGHT
- FLAGGER
- SIGN

TRAFFIC CONTROL NOTES

1. PROTECTION OF AND ACCESS FOR: PEDESTRIANS, EMERGENCY VEHICLES, AND ADJACENT RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED DURING CONSTRUCTION.
2. PROVIDE 50 UNDISTRIBUTED CONSTRUCTION SIGNS (TYPE B) FOR SIDEWALK CLOSED, PEDESTRIAN ROUTING, BUSINESS ROUTING, ETC.

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WESSLER ENGINEERING
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MAIN STREET WATER MAIN REPLACEMENT PHASE 3

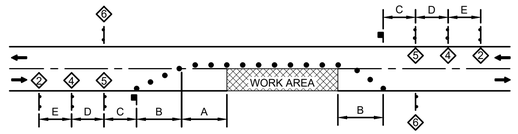
CITY OF SALEM, INDIANA

MAINTENANCE OF TRAFFIC - LINE B

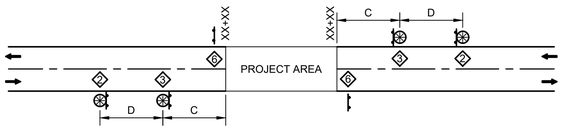
SHEET NO. **12**

TOTAL SHEETS 17

Drawing: X:\Salem\269023 Salem Main St WM Ph 2 and 3\DWGSheets\269023-TP-PH3.dwg | Layout: 10 | Plotted: 04/02/26 @ 09:44:37 | LastSavedBy: jasonw



TEMPORARY FLAGGER OPERATION
SCALE: NONE

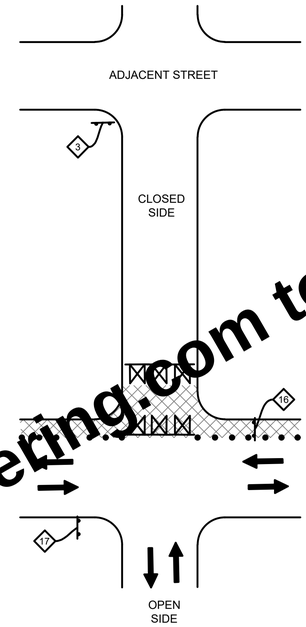


CONSTRUCTION SIGN PLACEMENT
SCALE: NONE

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
50	440	100	500	500	500
55	520	100	500	500	500
60	600	100	1,000	1,600	2,640
65	680	100	1,000	1,600	2,640
70	760	100	1,000	1,600	2,640

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



MINOR ROAD EXAMPLE CLOSURE
NOT TO SCALE

TRAFFIC CONTROL LEGEND

- WORK AREA(S)
- TYPE A CONSTRUCTION WARNING LIGHT
- (2) "UTILITY WORK AHEAD" (W21-7)
- (3) "ROAD CLOSED AHEAD" (W20-3)
- (4) "ONE LANE ROAD AHEAD" (W20-4)
- (5) FLAGGER SIGN (W20-7)
- (6) "END ROAD WORK" (G20-2)
- (15) "NO PARKING" (R8-3)
- (16) "NO RIGHT TURN" (R3-1)
- (17) "NO LEFT TURN" (R3-2)
- (A) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, LANE INDICATION ARROW
- (W) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 4"
- (W2) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 24" STOP BAR
- (W3) TEMPORARY PAVEMENT MARKING, REMOVABLE, WHITE, 4" SKIP
- (Y2) TEMPORARY PAVEMENT MARKING, REMOVABLE, DOUBLE YELLOW, 4"
- (RM) REMOVE OR BLACK OUT CONFLICTING EXISTING PAVEMENT MARKINGS
- (FL) CONSTRUCT UNDER FLAGGER OR OTHER TRAFFIC OPERATIONS IN ACCORDANCE WITH INDIANA MUTCD. ADJUST THE MAINTENANCE OF TRAFFIC AS NECESSARY.
- TRAFFIC CONTROL DRUM
- TRAFFIC FLOW DIRECTION
- ROAD CLOSURE SIGN ASSEMBLY, INCLUDES R11-2, BARRICADE TYPE IIIB, AND TYPE B CONSTRUCTION WARNING LIGHT
- FLAGGER
- SIGN

TRAFFIC CONTROL NOTES

1. PROTECTION OF AND ACCESS FOR: PEDESTRIANS, EMERGENCY VEHICLES, AND ADJACENT RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED DURING CONSTRUCTION.
2. PROVIDE 50 UNDISTRIBUTED CONSTRUCTION SIGNS (TYPE B) FOR SIDEWALK CLOSED, PEDESTRIAN ROUTING, BUSINESS ROUTING, ETC.

SCALE VERIFICATION	DRAWN BY	JRF	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	LHR					
	APPROVED BY	JRF					
	ISSUE DATE	APRIL 2026					
	PROJECT NUMBER	269023-04-001					

JUSTIN R. TRAZER REGISTERED No. 10606088 STATE OF INDIANA PROFESSIONAL ENGINEER 04/07/2026

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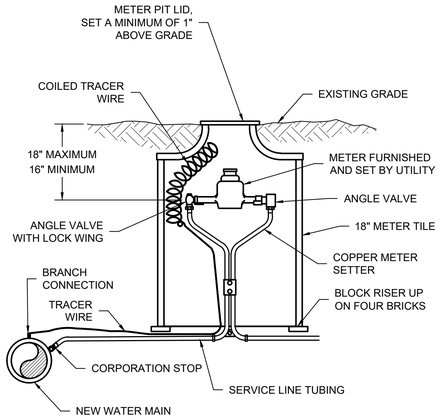
MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

MAINTENANCE OF TRAFFIC DETAILS

SHEET NO. **13**

TOTAL SHEETS 17

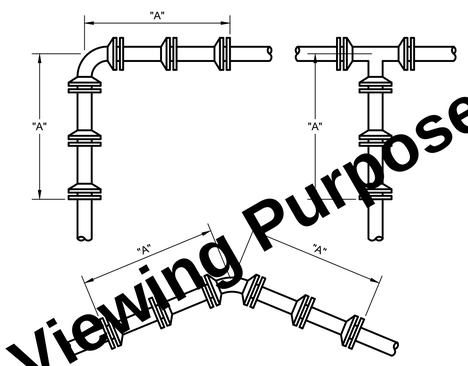


NOTES:
1. NO SPLICES ALLOWED BETWEEN CORPORATION STOP AND COPPER METER SETTER.

(METER SETTING COPPER SETTER STYLE)

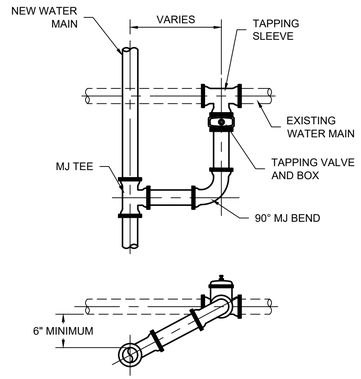
SCALE: NONE

FEET OF RESTRAINED PIPE @ 150 PSI (A) ON EACH SIDE OF FITTING		
	WATER MAIN SIZE	
FITTING TYPE	6 INCH	8 INCH
11 1/4° HORIZ BEND	3	4
22 1/2° HORIZ BEND	5	7
45° HORIZ BEND	11	13
90° HORIZ BEND	25	32
11 1/4° VERT BEND	7	8
22 1/2° VERT BEND	13	16
45° VERT BEND	26	33
90° VERT BEND	63	80
VALVES AND PLUGS	63	80
TEE OUTLET	32	49
DEAD END	63	80



WATER MAIN RESTRAINED PIPING

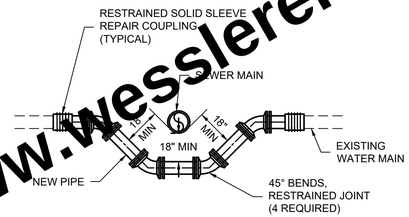
SCALE: NONE



NOTES:
1. USE RESTRAINED MJ FITTINGS IN ADDITION TO CONCRETE THRUST BLOCKING. RESTRAINT MUST BE FROM DISTRIBUTION MAIN TO 90° BEND.

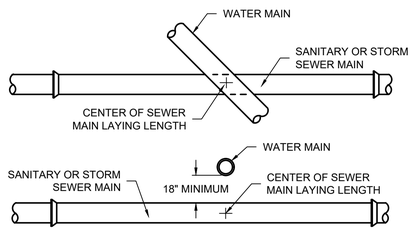
CROSS TAP

SCALE: NONE



WATER MAIN LOWERING

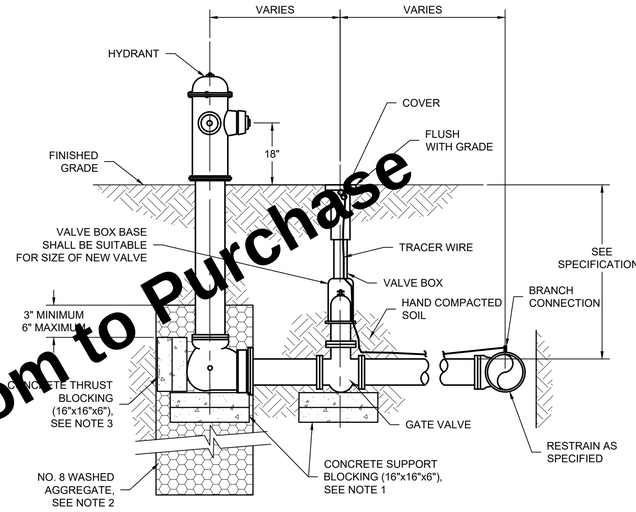
SCALE: NONE



NOTES:
1. WATER MAIN AND SEWER MINIMUM SEPARATION: 18" VERTICAL SEPARATION 10'-0" HORIZONTAL SEPARATION.
2. WHERE WATER MAIN AND SEWER SEPARATION IS LESS THAN 18" VERTICAL OR 10' HORIZONTAL, THE SEWER MUST BE DUCTILE IRON OR SDR-21 PVC.

MINIMUM CROSSOVER AND SEPARATION REQUIREMENTS FOR SEWER AND WATER MAINS

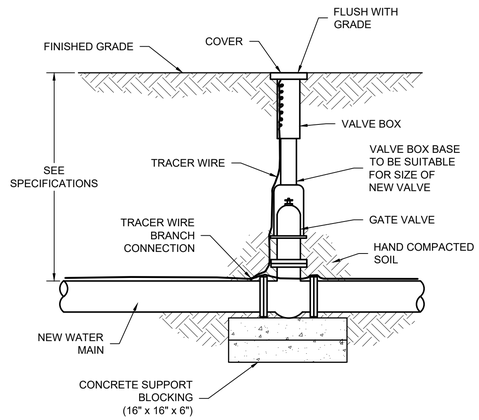
SCALE: NONE



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



GATE VALVE

SCALE: NONE

SCALE VERIFICATION	DRAWN BY	DMG	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	ADG				
	APPROVED BY	LHR				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	269023-04-001				

LOYS HUSTON REES REGISTERED No. 12000685 STATE OF INDIANA PROFESSIONAL ENGINEER 04/01/2026

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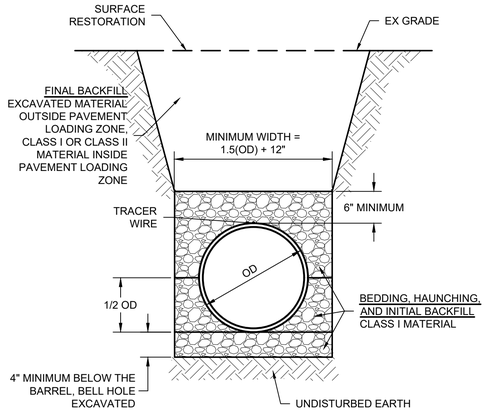
MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

MISCELLANEOUS DETAILS

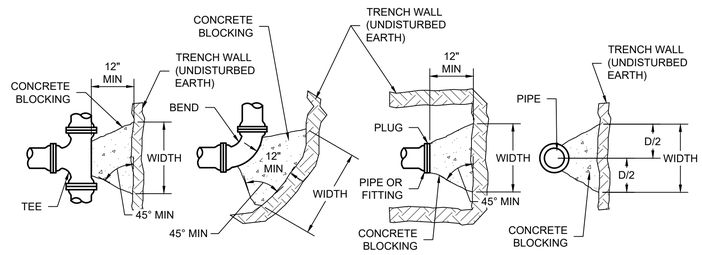
SHEET NO. **14**

TOTAL SHEETS 17



PLASTIC PIPE TRENCH (PRESSURE)

SCALE: NONE

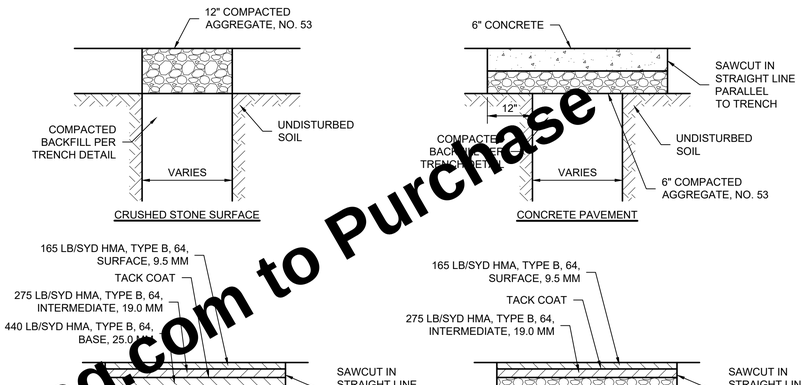


	TEE		22½°		45°		90°		PLUG	
SIZE	W	D	W	D	W	D	W	D	W	D
6"	3'-3"	1'-6"	2'-0"	1'-0"	2'-6"	1'-6"	4'-3"	1'-6"	2'-3"	2'-3"
8"	4'-3"	2'-0"	2'-0"	1'-9"	3'-9"	1'-9"	6'-0"	2'-0"	3'-0"	3'-0"

NOTES:
1. CONCRETE REACTION BLOCKING SHALL NOT COVER PIPE JOINTS, BOLTS, OR GLANDS.
2. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH NOT LESS THAN 2000 PSI AFTER 28 DAYS. UNOPENED BAGS OF SACKRETE ARE NOT ACCEPTABLE.
3. WRAP DI FITTINGS WITH 8 MIL VISQUEEN OR POLYETHELENE ENCASEMENT.

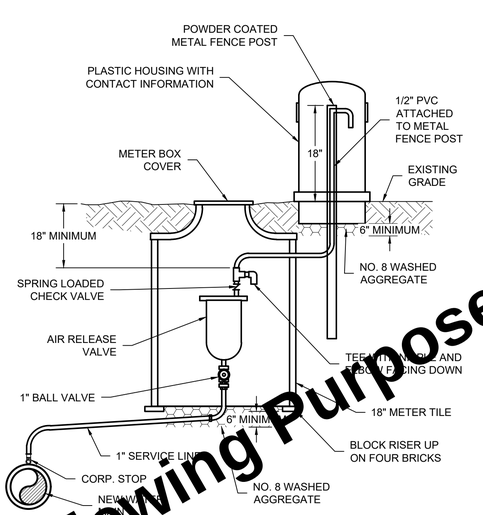
WATER MAIN REACTION BLOCKING

SCALE: NONE



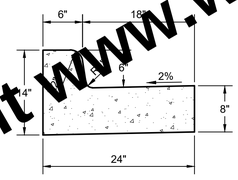
PAVEMENT REPAIR

SCALE: NONE



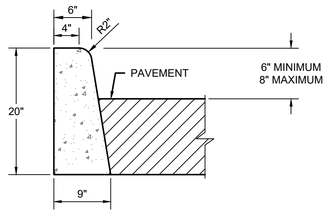
AIR RELEASE VALVE

SCALE: NONE



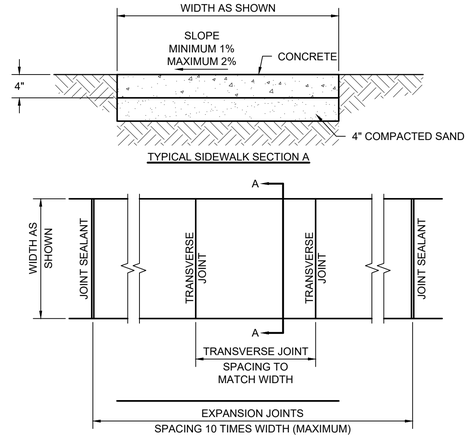
CONCRETE CURB AND GUTTER

SCALE: NONE



CONCRETE CURB

SCALE: NONE



CONCRETE SIDEWALK

SCALE: NONE

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	PROJECT NUMBER	269023-04-001				

LOYS HUSTON REES REGISTERED No. 12000685 STATE OF INDIANA PROFESSIONAL ENGINEER 04/01/2026

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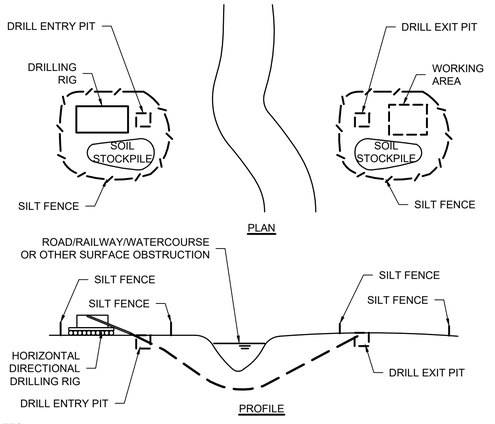
MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

MISCELLANEOUS DETAILS

SHEET NO. **15**

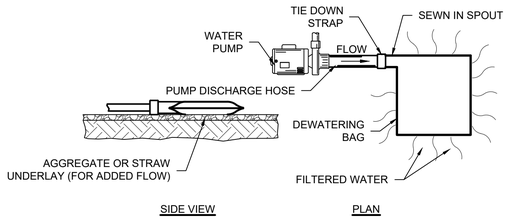
TOTAL SHEETS 17



NOTES:
1. INSTALL SILT FENCE PRIOR TO ANY EXCAVATION.
2. FILTER WATER FROM BORE PIT DEWATERING, AND DO NOT DIRECTLY DISCHARGE TO ANY DITCH, STREAM, WETLAND OR STORM WATER CONVEYANCE. REFER TO PUMPING BAG DETAIL.
3. PLACE SOIL STOCKPILES WITHIN THE SILT FENCE BOUNDARY.
4. SOIL FROM STOCKPILES SHALL BE USED FOR BACKFILL OR DISPOSED OF PROPERLY.
5. RESEED AND MULCH ALL DISTURBED SOIL SURFACES.
6. ENVIRONMENTAL PROTECTION TO BE PROVIDED AS NECESSARY TO CONTAIN ANY DRILLING FLUID SPILLS.

MAINTENANCE:
1. INSPECT SILT FENCE BARRIERS AFTER EACH RAINFALL, AND REPAIR OR REPLACE IMMEDIATELY.
2. REMOVE SEDIMENT DEPOSITS FROM THE SILT FENCE AFTER STORM EVENTS.

HORIZONTAL DIRECTIONAL DRILL
SCALE: NONE



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.

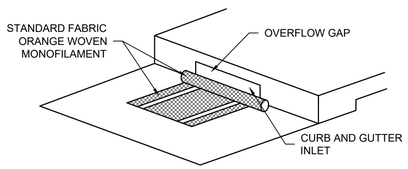
SOURCE:
KRISTAR
DANDY DEWATERING BAG
SEDCATCH

PUMPING BAG
SCALE: NONE

EROSION CONTROL SCHEDULE

CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
PRECONSTRUCTION ACTIVITIES: POST THE FOLLOWING INFORMATION NEAR THE MAIN ENTRANCE OF THE PROJECT SITE OR AT A PUBLICLY ACCESSIBLE LOCATION: NOTICE OF INTENT (NOI) DOCUMENT, COPY OF THE PUBLIC NOTICE, NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT NUMBER, NAME, ADDRESS, AND PHONE NUMBER OF THE LOCAL CONTACT PERSON, AND LOCATION OF A COPY OF THE CONSTRUCTION DRAWINGS AND STORMWATER POLLUTION PREVENTION PLAN (SWP3). MAINTAIN DOCUMENTATION ON-SITE PER SPECIFICATION 02101 FOR THE PROJECT MANAGEMENT LOG. THE SWPPP SHOULD BE ONSITE AND SELF-MONITORING INSPECTION REPORTS MUST BE AVAILABLE WITHIN 48 HOURS OF REQUEST. INFORM OR TRAIN PERSONNEL ASSOCIATED WITH THE PROJECT OF THE TERMS AND CONDITIONS OF THE CSGP AND THE SWPPP REQUIREMENTS.	AUTHORIZATION UNDER THE CSGP IS EFFECTIVE 48-HOURS AFTER SUBMITTAL OF THE NOTICE OF INTENT TO IDEM AND LOCAL AUTHORITY BY THE OWNER.
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 THE REVISED EROSION CONTROL SCHEDULE AS NEEDED FOR TEMPORARY AND PERMANENT EROSION CONTROL WORK AS APPLICABLE.	COMPLETE BEFORE CONSTRUCTION BEGINS.
CONSTRUCTION ENTRANCE - ENTRANCE TO SITE, CONSTRUCTION ROADWAYS, 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.	AFTER 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 SYSTEM - 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



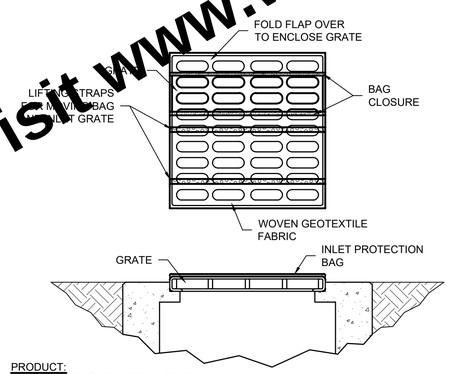
DESIGN CONFORMS TO ALL SHAPES OF CONCRETE CURBS

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. TUBE SHOULD TYPICALLY 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



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

SCALE VERIFICATION	DRAWN BY	DMG	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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	APPROVED BY	LHR				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	269023-04-001				

LOUIS HUSTON REES REGISTERED No. 12000685 STATE OF INDIANA PROFESSIONAL ENGINEER 04/07/2026

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MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

EROSION CONTROL DETAILS

SHEET NO. **16**

TOTAL SHEETS 17

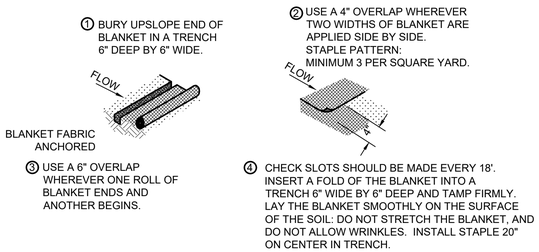
SEASONAL SOIL PROTECTION CHART

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.



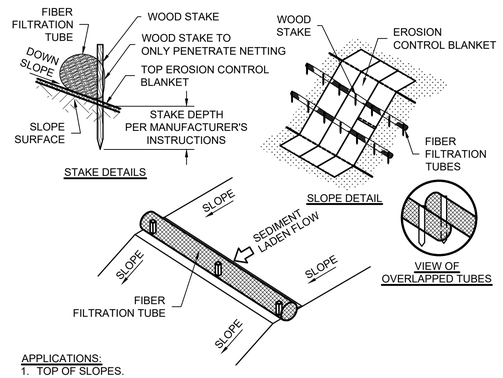
PRODUCT:
1. NORTH AMERICAN GREEN S150 OR EQUAL.

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

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

EROSION CONTROL BLANKET

SCALE: NONE



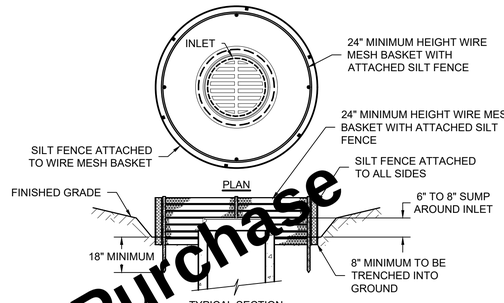
APPLICATIONS:
1. TOP OF SLOPES.
2. AT PROJECT PERIMETER.

INSTALLATION:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. USE THE APPROPRIATE SIZE, LENGTH AND DISTANCE 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 DAMAGED 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 THEE 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

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

SCALE VERIFICATION	DRAWN BY	DMG	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	ADG				
	APPROVED BY	LHR				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	269023-04-001				

LOYS HUSTON REES REGISTERED No. 12000685 STATE OF INDIANA PROFESSIONAL ENGINEER 04/01/2026

WESSLER ENGINEERING
More than a Project™

MAIN STREET WATER MAIN REPLACEMENT PHASE 3

CITY OF SALEM, INDIANA

EROSION CONTROL DETAILS

SHEET NO. 17

TOTAL SHEETS 17

Drawing: X:\Salem\269023 Salem Main St WM Ph 2 and 3\DWG\Sheets\269023-CD-PH3.dwg | Layout: 14 | Plotted: 04/02/26 @ 09:45:13 | LastSavedBy: jasonw