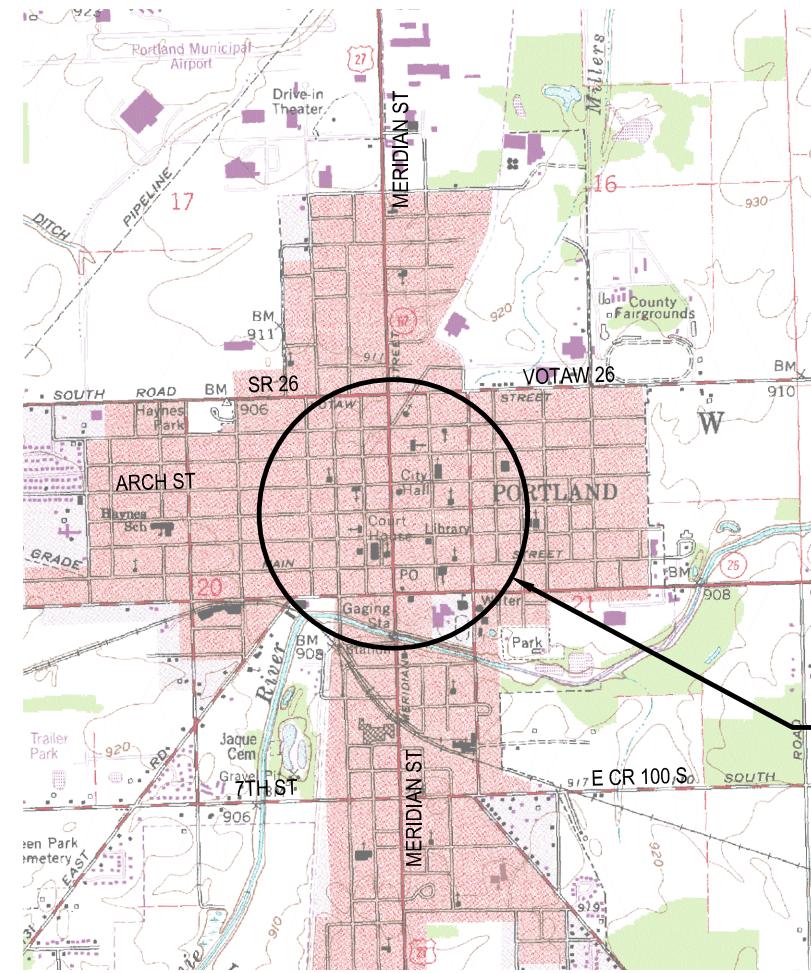
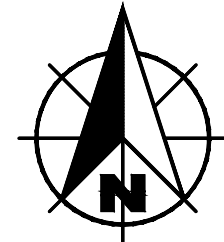


PORTLAND MERIDIAN ST DRAINAGE

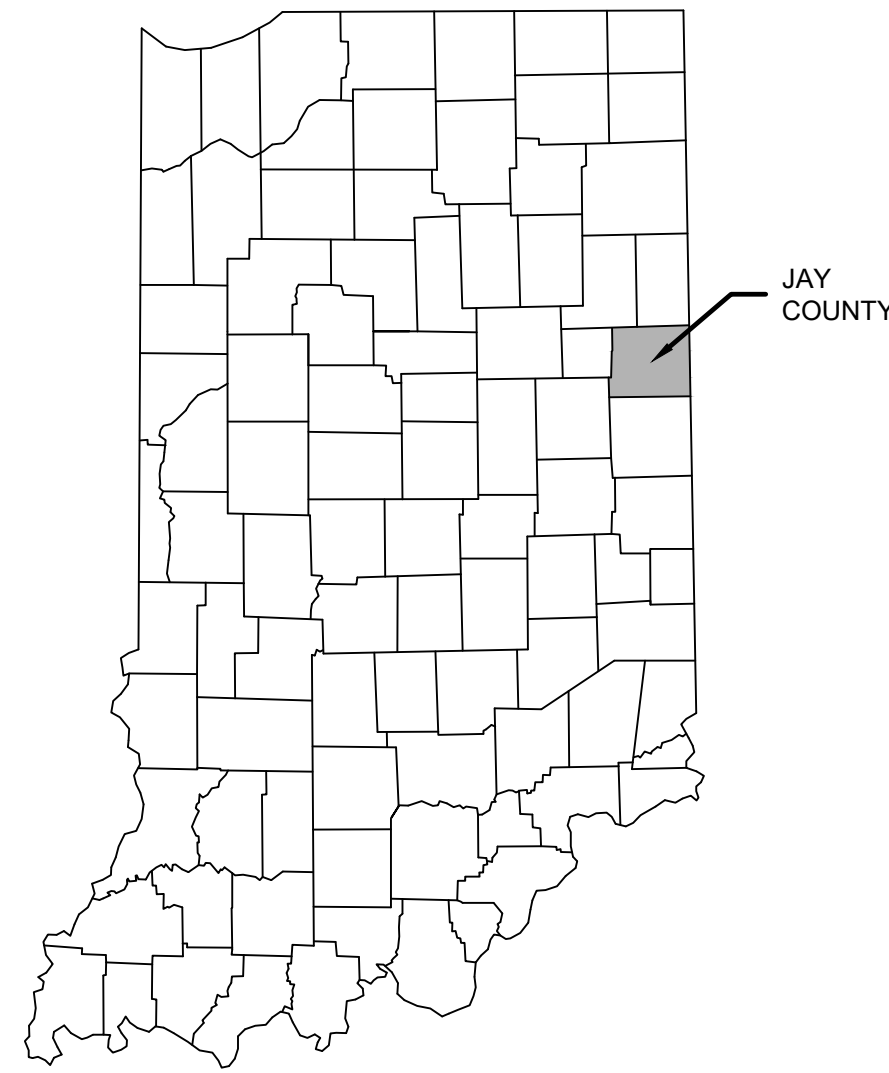
FOR THE

CITY OF PORTLAND, INDIANA

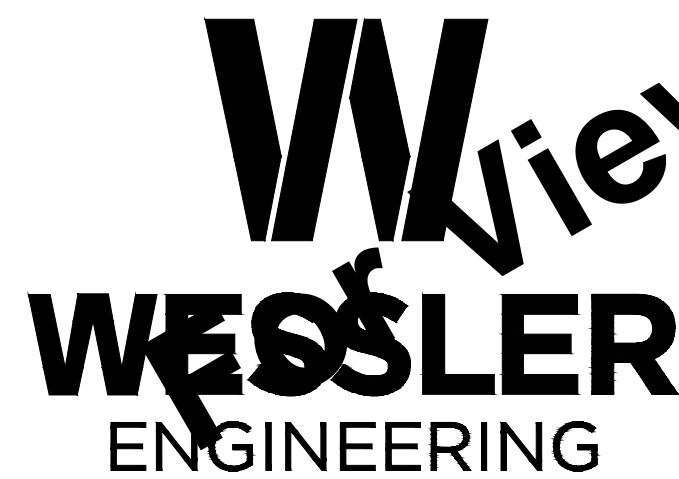


PROJECT LOCATION

CITY OF PORTLAND
VICINITY MAP
SCALE: NONE



STATE LOCATION MAP
SCALE: NONE



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DRAWINGS PREPARED FOR:

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CITY COUNCIL

MATT GOLDSWORTHY, DISTRICT 1

MIKE AKER, DISTRICT 2

MICHELE BREWSTER, DISTRICT 3

DON GILLESPIE, DISTRICT 4

KENT MCCLUNG, DISTRICT 7

JANET POWERS, AT LARGE

LORI PHILLIPS, CLERK-TREASURER

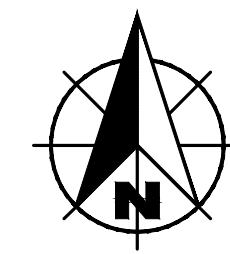
BRAD CLAYTON, WASTEWATER SUPERINTENDENT

DOUG JACKSON, WATER SUPERINTENDENT

WILLIAM HINKLE, CITY ATTORNEY

MARCH 2022

<p>WILLIAM J. LEBER REGISTERED ENGINEER STATE OF INDIANA NO. 10303127</p>			



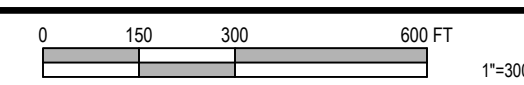
HORIZONTAL AND VERTICAL CONTROL INFORMATION

- NOTES:**
- A FIELD SURVEY WAS PERFORMED IN OCTOBER 2020.
 - COORDINATES (INDIANA STATE PLANE, EAST, NAD 83) AND ELEVATIONS (NAVD 88) ARE BASED ON INCORS.
 - UNITS ARE U.S. SURVEY FEET.
 - CONTROL POINTS WERE SET USING GPS.
 - A LEVEL LOOP WAS PERFORMED ON THE CONTROL POINTS AND TBM'S.
- BENCHMARK DESCRIPTION:**
- TBM NO. 20 - CUT X NORTHWEST BOLT ON THE FIRE HYDRANT APPROXIMATELY 58' NORTH OF NORTH STREET AND 6' EAST OF MERIDIAN STREET. EL 913.18
 - TBM NO. 21 - CUT X SOUTH BOLT ON THE FIRE HYDRANT APPROXIMATELY 7' NORTH OF ARCH STREET AND 185' EAST OF MERIDIAN STREET. EL 908.06
 - TBM NO. 22 - CUT X NORTH BOLT ON THE STRAIN POLE APPROXIMATELY 12' SOUTH OF HIGH STREET AND 20' EAST OF MERIDIAN STREET. EL 906.15
 - TBM NO. 23 - RAILROAD SPIKE SET IN SOUTH SIDE OF JOINT POWER POLE APPROXIMATELY 20' NORTH OF WALNUT STREET AND 167' EAST OF MERIDIAN STREET. EL 910.42
 - TBM NO. 24 - RAILROAD SPIKE SET IN EAST SIDE OF POWER POLE APPROXIMATELY 138' NORTH OF 2ND STREET AND 4' WEST OF MERIDIAN STREET. EL 907.87
 - BM NO. 25 - APPROXIMATELY 38' NORTH OF WATER STREET AND 43' EAST OF MERIDIAN STREET. EL 910.77
 - BM NO. 26 - APPROXIMATELY 262' SOUTH OF WATER STREET AND 399' WEST OF SHIP STREET. EL 903.94

DRAWING INDEX	
SHEET NO.	DESCRIPTION
GENERAL	
01	TITLE SHEET
02	LOCATION PLAN AND DRAWING INDEX
03	GENERAL SHEET
DEMOLITION SHEETS	
4 - 07 DEMOLITION CONDITIONS - DEMOLITION	
PLAN AND PROFILES	
08 - 11	NEW STORM SEWER PLAN AND PROFILE - LINE A
12	NEW STORM SEWER PLAN AND PROFILE - LINE B
13	NEW STORM SEWER PLAN AND PROFILE - LINE C
14	NEW STORM SEWER PLAN AND PROFILE - LINE D
ROAD AND EROSION CONTROL PLANS	
15 - 16	ROAD AND EROSION CONTROL PLANS - LINE A
17	ROAD AND EROSION CONTROL PLANS - LINES B AND C
18	ROAD AND EROSION CONTROL PLANS - LINE D
STRUCTURE DATA TABLE	
19	STRUCTURE DATA TABLE
DETAILS	
20 - 22	MISCELLANEOUS DETAILS
23 - 24	EROSION CONTROL DETAILS

CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 1	1891153.25	519806.32	909.70	5/8" REBAR
CP 2	1891458.95	519806.02	911.56	5/8" REBAR
CP 3	1891099.66	520086.33	907.62	5/8" REBAR
CP 4	1890802.60	519726.58	907.19	MAGNAIL
CP 5	1890608.64	519834.35	905.81	MAGNAIL
CP 6	1890356.59	519851.39	906.12	MAGNAIL
CP 7	1890423.52	520060.23	905.57	5/8" REBAR
CP 8	1890160.98	519767.46	905.43	CUT X
CP 9	1890009.06	519875.46	905.42	MAGNAIL
CP 10	1890067.66	520164.85	905.96	5/8" REBAR
CP 11	1889880.41	519775.18	905.45	MAGNAIL
CP 12	1889671.56	520175.66	906.65	MAGNAIL
CP 13	1888490.84	519890.22	907.00	MAGNAIL
CP 14	1888725.18	519813.83	906.17	MAGNAIL
CP 15	1889000.91	519883.81	906.95	MAGNAIL
CP 16	1888696.23	520159.23	906.28	MAGNAIL
CP 17	1889698.86	519868.04	905.74	MAGNAIL
CP 18	1889493.98	519874.88	907.47	MAGNAIL
CP 19	1889343.89	519879.97	908.84	MAGNAIL

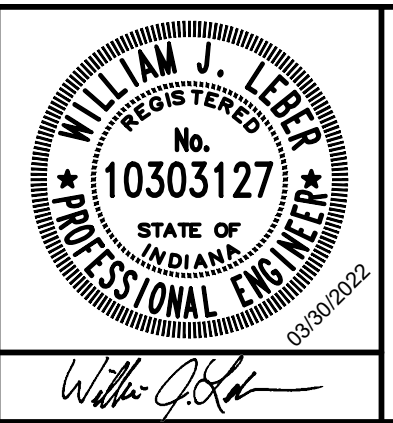
LOCATION AND SCOPE OF WORK PLAN



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Drawing: J:\Portland\Projects\228120-Portland Meridian St Drainage\CAD\DWG\Sheets\228120-CS.dwg | Layout: 102 | Plotter: 032422 @ 12:25:21 | LasSaveBy: jasonw

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	RLS				
	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA
LOCATION PLAN AND DRAWING INDEX

SHEET NO.	02
TOTAL SHEETS	24

EXISTING FEATURES LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
BM	BENCH MARK	CS	CISTERN	---	EASEMENT - CONSTRUCTION/PERMANENT
TM	TEMPORARY BENCH MARK	EM	ELECTRIC METER	---	LOT BOUNDARY
SB PT	SOIL BORING LOCATION	AC	AIR CONDITIONING UNIT	---	PROPERTY BOUNDARY
SC	SECTION CORNER	UX	UTILITY RISER (DEFINED BY UTILITY)	---	RIGHT-OF-WAY - TEMPORARY/PERMANENT
CH	DRILL HOLE IN CONCRETE/HARRISON MONUMENT	UX	UTILITY PEDESTAL (DEFINED BY UTILITY)	---	SECTION BOUNDARY
CP	CONTROL POINT (SET/FOUND)	UM	UTILITY MARKER (DEFINED BY UTILITY)	---	WETLANDS
MC	MAGNETIC NAIL (SET/FOUND)	JP	JOINT POWER/TELEPHONE POLE	---	CONTOUR - INTERMEDIATE ELEVATION
BS	BOAT SPIKE (SET/FOUND)	LP	LIGHT POLE	---	CONTOUR - INDEX ELEVATION
PK	PK NAIL (SET/FOUND)	LOPP	LIGHT ON POWER POLE	---	OVERHEAD ELECTRIC
RS	RAILROAD SPIKE (SET/FOUND)	LOJP	LIGHT ON JOINT POLE	---	OVERHEAD CABLE TV
R/W	R/W MARKER - CONCRETE/GRANITE/STONE	PP	POWER POLE	---	OVERHEAD TELEPHONE
IP	IRON PIPE/IRON PIN/REBAR (WITH DIAMETER)	TP	TELEPHONE POLE	---	UNDERGROUND CABLE TV
BP	BRASS PLUG	LP	LAMP POST	---	UNDERGROUND ELECTRIC
C	CABLE TV MANHOLE	GA	GUY ANCHOR	---	UNDERGROUND FIBER OPTIC
E	ELECTRIC MANHOLE	GPS	GUY POLE OR STUB	---	GAS MAIN
G	GAS MANHOLE	CC	CONTROLLER CABINET	---	DIGESTER GAS
OM	OTHER MANHOLE	FP	FLAG POLE	---	PETROLEUM MAIN
T	TELEPHONE MANHOLE	P	POST	---	UNDERGROUND TELEPHONE
TEL	TELEPHONE VAULT	GL	GROUND LIGHT	---	WATER MAIN
TM	TRAFFIC MANHOLE	M	MAILBOX	---	WATER SERVICE
H	TRAFFIC HANDHOLE	MM	DOUBLE/MULTIPLE MAILBOX	---	FORCEMAIN
W	WATER MANHOLE	MA	MAST ARM POLE	---	GRAVITY SEWER PIPE
A	AIR RELEASE VALVE	TSS	TRAFFIC SIGNAL STRAIN POLE	---	PLANT CHLORINE PIPE
S	SANITARY SEWER MANHOLE	SDB	SIGNAL LOOP DETECTOR BOX	---	TOP OF BANK/TOE OF SLOPE
D	DRAINAGE/STORM SEWER MANHOLE	SDBL	SIGNAL LOOP DETECTOR LOOP	---	CENTERLINE OF DITCH/SWALE/STREAM
SC	SANITARY SEWER CLEANOUT	SP	SIGN - SINGLE POST	---	FENCE - FIELD
ST	SEPTIC TANK	SDP	SIGN - DOUBLE POST	---	FENCE - METAL
V	VALVE VAULT	SR	SIGN - RAILROAD SIGNAL	---	FENCE - WOOD
B	BEEHIVE INLET	SRX	SIGN - RAILROAD CROSSING	---	GUARDRAIL
CI	CURB INLET	B	BUSH	---	STREAM
DI	DROP INLET	ST	STUMP	---	TREE/BRUSH LINE
C	CATCH BASIN	TC	TREE - CONIFEROUS		
DS	DOWNSPOUT	TD	TREE - DECIDUOUS		
GM	GAS METER	RO	ROCK OUTCROP		
GV	GAS VALVE	S	SATELLITE		
GSV	GAS SERVICE VALVE	SPCV	SPRINKLER CONTROL VALVE		
PV	PETROLEUM VALVE	WM	WATER METER		
PSV	PETROLEUM SHUTOFF VALVE	WV	WATER VALVE		
GSM	GAS STATION MONITORING WELL	WSV	WATER SERVICE VALVE		
GFC	GAS STATION FILL CAP	W	WATER WELL		
N	NATURAL GAS WELL/STORAGE WELL	WV	WET WELL		
SH	SPRINKLER HEAD	HY	HYDRANT		
Y	YARD HYDRANT	PV	PROCESS VALVE		

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	N	NORTHING, NORTH
CL	CENTER LINE	NGS	NATIONAL GEODETIC SURVEY
CMA	COLD MIX ASPHALT	NO.	NUMBER
CMP	CORRUGATED METAL PIPE	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	OD	OUTSIDE DIAMETER
CONC	CONCRETE	PC	POINT OF CURVE (BEGIN CURVE)
CONT	CONTINUOUS	POLY	POLYETHYLENE
CNR	CORNER	PI	POINT OF INTERSECTION
CP	CONTROL POINT	POT	POINT ON TANGENT
CPP	CORRUGATED PLASTIC PIPE	PT	POINT OF TANGENT (END POINT)
CR STN	CRUSHED STONE	PSI	POUNDS PER SQUARE INCH
CYD	CUBIC YARD	PT	POINT
D	DEPTH	PVC	POLYVINYL CHLORIDE
DI	DUCTILE IRON	R	ROAD
DI MJ	DUCTILE IRON MECHANICAL JOINT	ROW	RIGHT-OF-WAY
DBL	DOUBLE	RCP	REINFORCED CONCRETE PIPE
DIA	DIAMETER	RD	ROAD
DIP	DUCTILE IRON PIPE	S	SOUTH
DIPS	DUCTILE IRON PIPE SIZE	SR	STATE ROUTE
DR	DRIVE	SST	STAINLESS STEEL
E	EASTING, EAST	SVA	SERVICE VALVE ASSEMBLY
EF	EACH FACE	SB	SOIL BORING
EW	EACH WAY	SCHED	SCHEDULE
EA	EACH END	SDR	STANDARD DIMENSION RATIO
EJ	END OF JOINT IRON WORKS	SECT	SECTION
EL	ELEVATION	SF	SQUARE FEET
EX	EXISTING	SHT	SHEET
EXP	EXPANSION	SPECS	SPECIFICATION(S)
FFE	FINISH FLOOR ELEVATION	SQ	SQUARE
FM	FORCE MAIN	SRF	STATE REVOLVING FUND
FND	FOUND	ST	STREET
FT	FEET	STA	STATION
FTG	FOOTING	SYD	SQUARE YARD
GALV	GALVANIZED	TBM	TEMPORARY BENCHMARK
GPS	GLOBAL POSITIONING SYSTEM	TC	TOP OF CASTING
HMA	HOT MIX ASPHALT	TYP	TYPICAL
HDPE	HIGH DENSITY POLYETHYLENE	USGS	US GEOLOGICAL SURVEY
HORIZ	HORIZONTAL	VERT	VERTICAL
ID	INSIDE DIAMETER	VLV	VALVE
IE	INVERT ELEVATION	W	WIDTH, WEST
INC	INCORPORATED	WSE	WATER SURFACE ELEVATION
INDOT	INDIANA DEPARTMENT OF TRANSPORTATION	YR	YEAR
INSTR	INSTRUMENT		
INV	INVERT		

GENERAL NOTES:

- 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.
- 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.
- 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.
- 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.
- OBTAIN ALL TEMPORARY EASEMENTS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
- 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.
- ALL PRIVATE WELL LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. FIELD VERIFY AND DETERMINE EXACT LOCATIONS OF ALL PRIVATE WELLS IN THE PROJECT AREA.
- 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 ACCURATE. ALL 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.
- 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.
- EXISTING UTILITY SERVICE LINES TO INDIVIDUAL CUSTOMERS MAY NOT BE SHOWN ON THE DRAWINGS. ASSUME ALL UNDERGROUND SERVICE LINES FOR ALL UTILITIES EXIST TO EACH PROPERTY ALONG THE ROUTE OF THE PLANNED IMPROVEMENTS.
- 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.
- 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.
- 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. BRACE AND PROTECT ALL UTILITY POLES AND EXISTING STRUCTURES ADJACENT TO NEW EXCAVATIONS. UTILITY POLE BRACING SHALL BE AS DIRECTED BY THE GOVERNING UTILITY.
- MAINTAIN EXISTING STORMWATER DRAINAGE FOR THE ENTIRE DURATION OF THE PROJECT.
- DO NOT DISTURB EXISTING MANHOLES OR INLETS, UNLESS NOTED OTHERWISE.
- 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.
- COORDINATE STAGING AREA LOCATIONS WITH THE OWNER.
- ALL CONSTRUCTION TRAFFIC SHALL USE MAJOR ROADS. NO CONSTRUCTION TRAFFIC SHALL USE LOCAL STREETS FOR INDIRECT ACCESS.
- TO CONTROL DUST, REMOVE SOIL FROM STREETS USED BY CONSTRUCTION TRAFFIC DAILY, VACUUM AND WATER AS NECESSARY AND/OR AS DIRECTED BY THE OWNER.
- PLACE NEW ASPHALT PAVEMENT FLUSH WITH ADA RAMPS.
- LENGTHS OF SEWERS AS SHOWN ON THE DRAWINGS AND INDICATED AS LINEAR FEET (LF) ARE FROM CENTER TO CENTER OF STRUCTURES.
- NORTHING AND EASTING INFORMATION IS GIVEN AT CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
- PLACE NO. 8 CRUSHED AGGREGATE BETWEEN PIPES AT ALL PIPE CROSSINGS TO PREVENT PIPE SETTLEMENT UNLESS SHOWN OTHERWISE.
- VERIFY EXISTING SEWER INVERTS AND LOCATIONS PRIOR TO CONSTRUCTION AND DETERMINE IF THERE ARE ANY DISCREPANCIES OR CONFLICTS.
- ADJUST SEWER LATERALS AS NECESSARY TO AVOID CONFLICTS. LATERALS THAT REQUIRE FIELD ADJUSTMENT SHALL BE LAID AT THE MINIMUM SLOPE AS SPECIFIED IN THE DRAWINGS AND SPECIFICATIONS.
- RESET ALL MAILBOXES AND SIGNS DISTURBED BY CONSTRUCTION ACTIVITIES.
- IF REQUIRED, PLACE TEMPORARY OVERNIGHT AGGREGATE WEDGES AT DRIVEWAYS TO ALLOW PROPERTY OWNER ACCESS.

UTILITY CONTACTS

TELEPHONE

CENTURYLINK/LUMEN
419-576-7089
eric.flory@lumen.com
ATTN: ERIC FLORY

GAS

OHIO VALLEY GAS CORP.
260-251-7195
ATTN: BRENT HODSON

WATER

PORTLAND, CITY OF
260-726-4525
djackson@thecityofportland.net
ATTN: DOUG JACKSON

CABLE TV

COMCAST
260-410-3504
william_fishburn@comcast.com
ATTN: DOUG FISHBURN

ELECTRIC

AMERICAN ELECTRIC POWER
260-205-0063
twstanley@aep.com
ATTN: TREVOR STANLEY

FIBER OPTIC

COMMUNITY FIBER SOLUTIONS, INC
260-307-1026
dustinmyers@watchcomm.net
ATTN: DUSTIN MYERS

SEWER, STORM

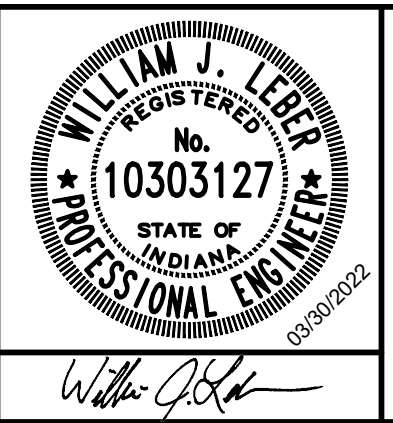
PORTLAND WASTEWATER, CITY OF
260-766-4251
bclayton@thecityofportland.net
ATTN: BRAD CLAYTON

*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.



*NOTE: THIS TABLE IS A LISTING OF TYPICAL ABBREVIATIONS AND SYMBOLS AND MAY NOT INCLUDE ALL EXISTING SYMBOLS FOUND WITHIN THIS PLAN SET. 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.

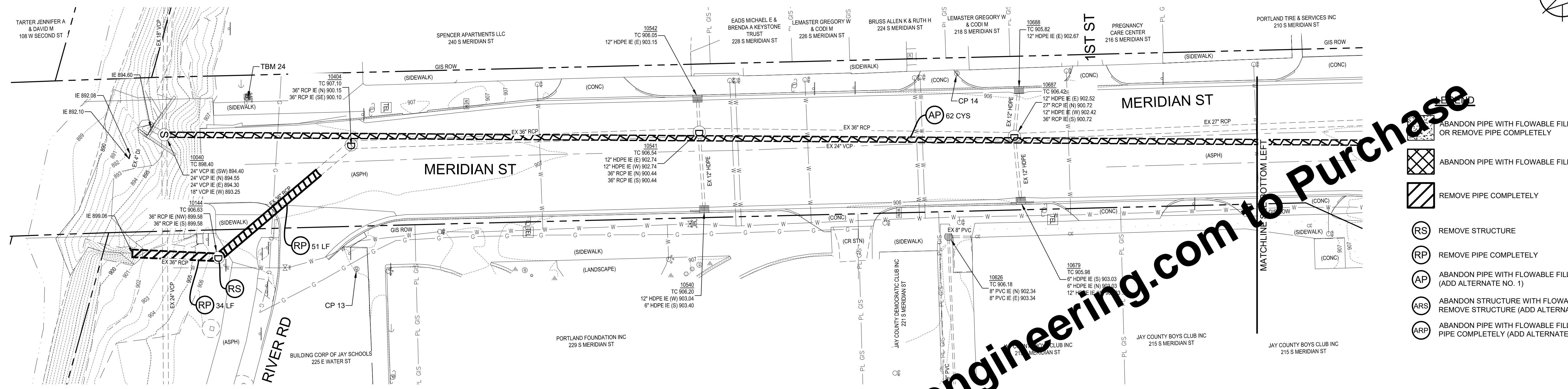
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	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



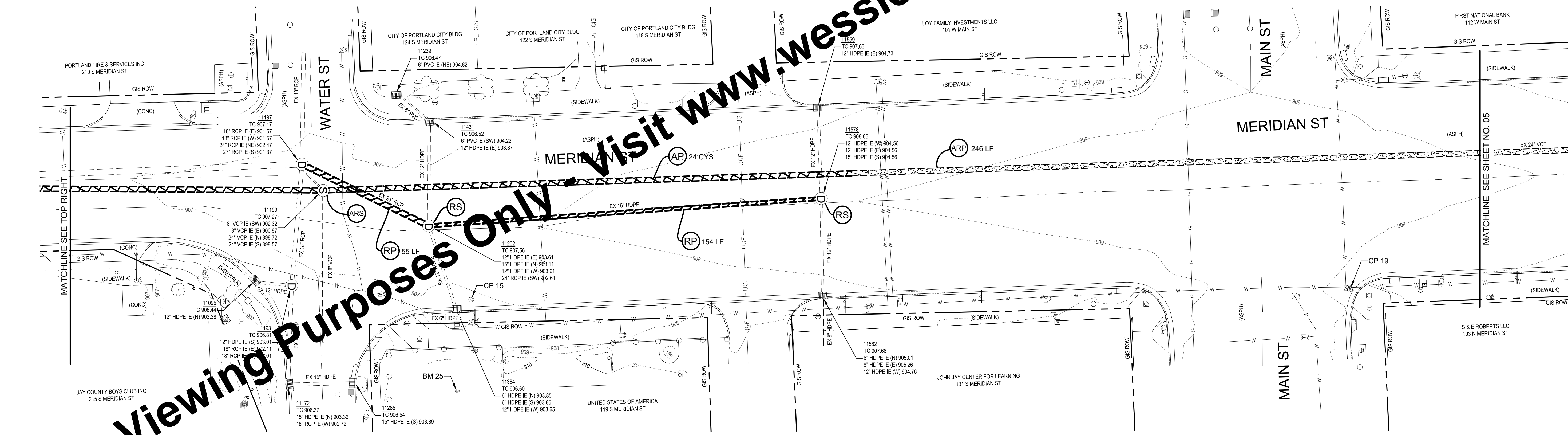
PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA
GENERAL SHEET

SHEET NO.
03
TOTAL SHEETS
24

Drawing: J:\Portland\Projects\228120-Portland Meridian St Drainage\CADD\DWG\Sheets\228120-04-001.dwg | Layout: 103 | Plotter: 03/24/22 @ 12:25:25 | L:\Saves\Bdy\jasonw



PLAN - LINE A
SCALE: 1" = 20'



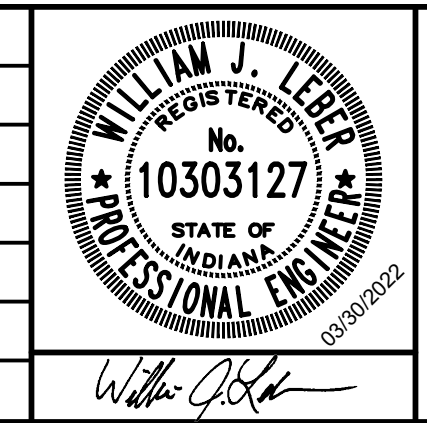
PLAN - LINE A
SCALE: 1" = 20'

- ABANDON PIPE WITH FLOWABLE FILL OR REMOVE PIPE COMPLETELY
- ABANDON PIPE WITH FLOWABLE FILL
- REMOVE PIPE COMPLETELY
- REMOVE STRUCTURE
- REMOVE PIPE COMPLETELY
- ABANDON PIPE WITH FLOWABLE FILL (ADD ALTERNATE NO. 1)
- ABANDON STRUCTURE WITH FLOWABLE FILL OR REMOVE STRUCTURE (ADD ALTERNATE NO. 1)
- ABANDON PIPE WITH FLOWABLE FILL OR REMOVE PIPE COMPLETELY (ADD ALTERNATE NO. 1)

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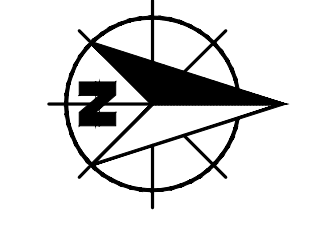
SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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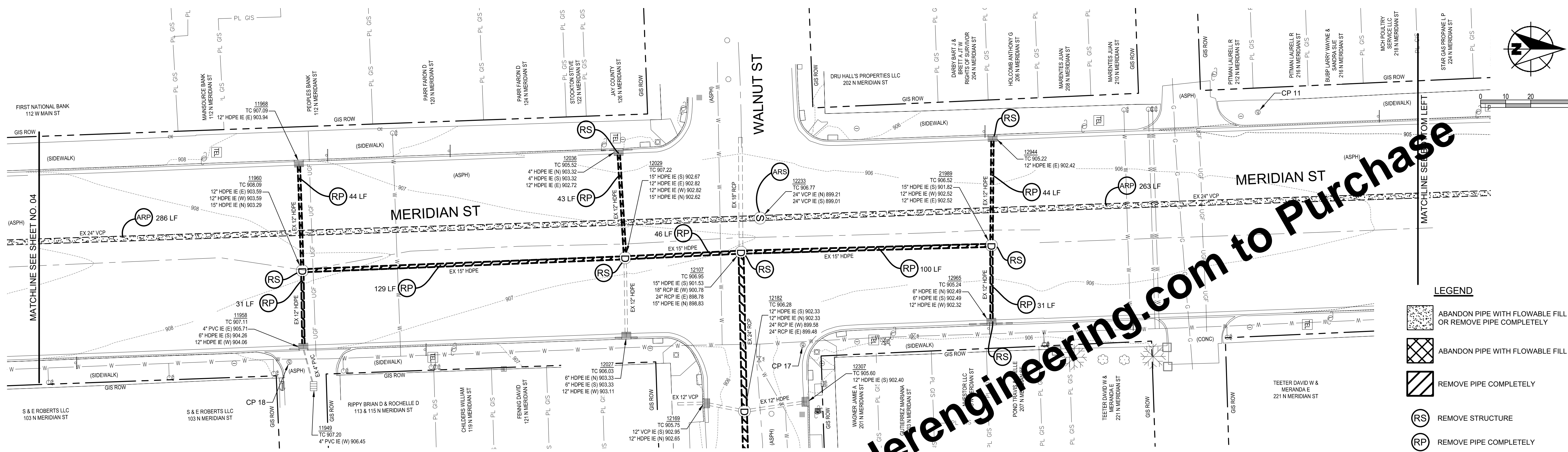
PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA
EXISTING CONDITIONS - DEMOLITION

SHEET NO.	04
TOTAL SHEETS	24

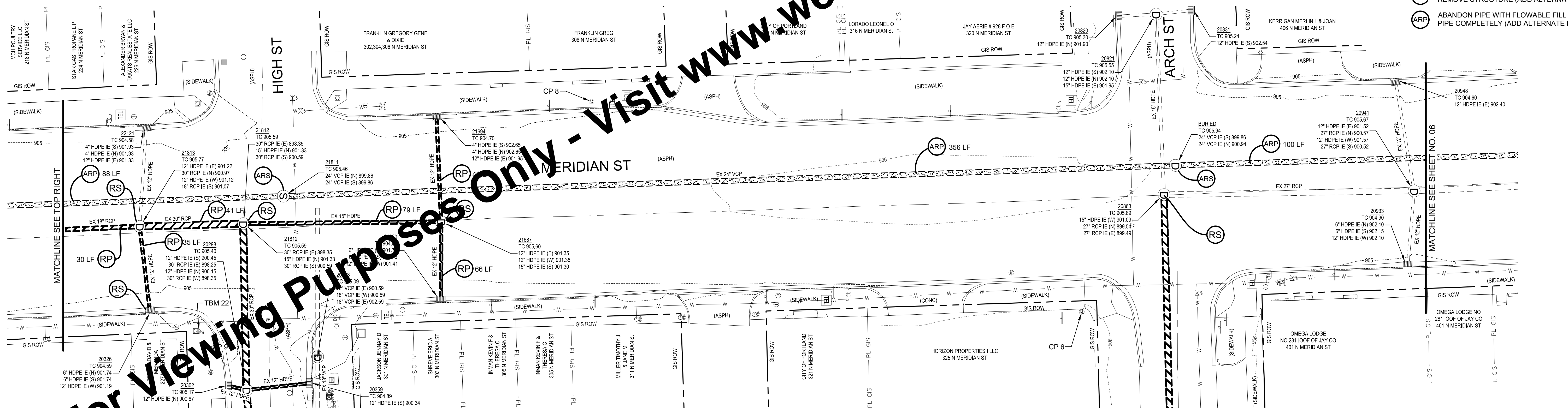
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1"=20'



PLAN - LINE A
SCALE: 1" = 20'



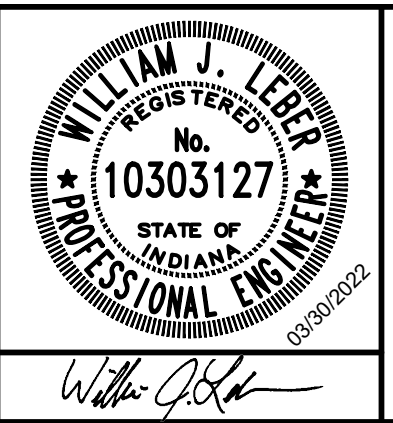
PLAN - LINE A
SCALE: 1" = 20'

- LEGEND**
- ABANDON PIPE WITH FLOWABLE FILL OR REMOVE PIPE COMPLETELY
 - ABANDON PIPE WITH FLOWABLE FILL
 - REMOVE PIPE COMPLETELY
 - REMOVE STRUCTURE
 - REMOVE PIPE COMPLETELY
 - ABANDON PIPE WITH FLOWABLE FILL (ADD ALTERNATE NO. 1)
 - ABANDON STRUCTURE WITH FLOWABLE FILL OR REMOVE STRUCTURE (ADD ALTERNATE NO. 1)
 - ABANDON PIPE WITH FLOWABLE FILL OR REMOVE PIPE COMPLETELY (ADD ALTERNATE NO. 1)

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Drawing: J:\Portland\Projects\228120-Portland Meridian St Drainage\CADD\DWG\Sheets\228120-PA-EX-DEM0.dwg | Layout: 05 | Printed: 03/24/22 @ 12:26:32 | LastSavedBy: jasonw

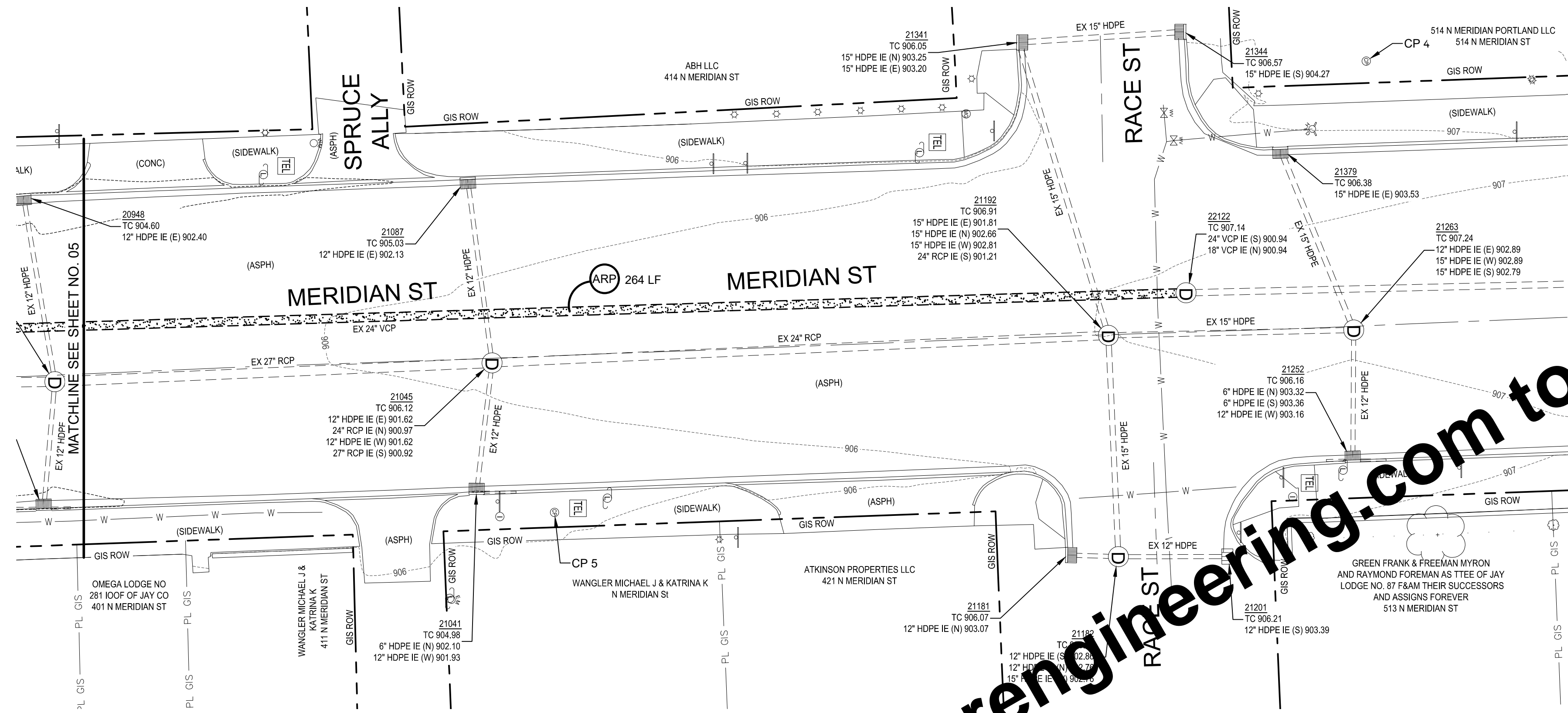
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	ISSUE DATE					
	MARCH 2022					
	PROJECT NUMBER					
	228120-04-001					



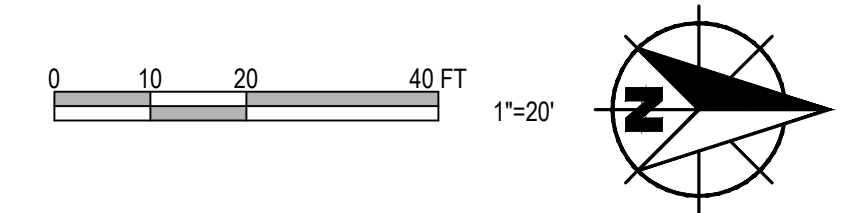
PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA
EXISTING CONDITIONS - DEMOLITION

SHEET NO.	05
TOTAL SHEETS	24

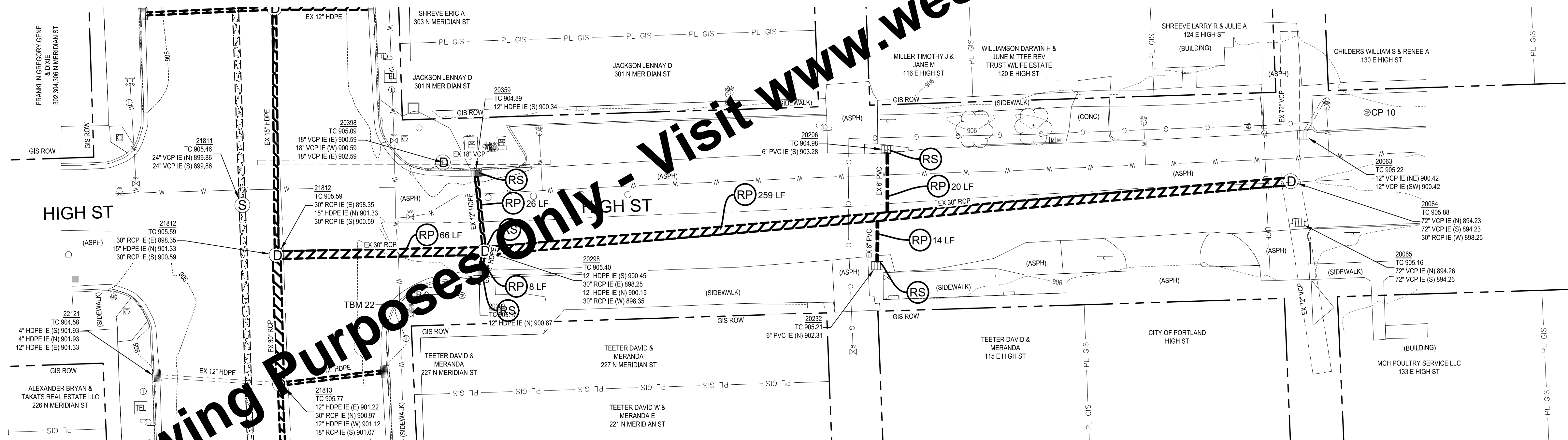
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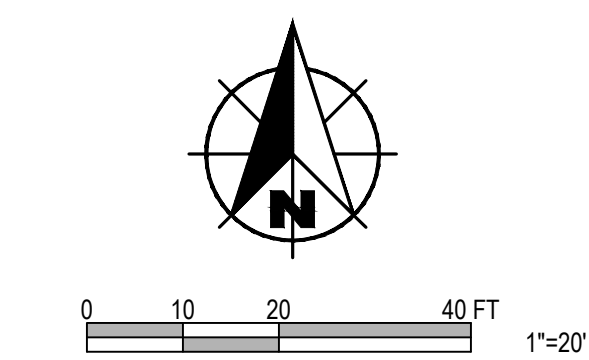
PLAN - LINE A
SCALE: 1" = 20'



- LEGEND**
- ABANDON PIPE WITH FLOWABLE FILL OR REMOVE PIPE COMPLETELY
 - ABANDON PIPE WITH FLOWABLE FILL
 - REMOVE PIPE COMPLETELY
 - REMOVE STRUCTURE
 - REMOVE PIPE COMPLETELY
 - ABANDON PIPE WITH FLOWABLE FILL (ADD ALTERNATE NO. 1)
 - ABANDON STRUCTURE WITH FLOWABLE FILL OR REMOVE STRUCTURE (ADD ALTERNATE NO. 1)
 - ABANDON PIPE WITH FLOWABLE FILL OR REMOVE PIPE COMPLETELY (ADD ALTERNATE NO. 1)

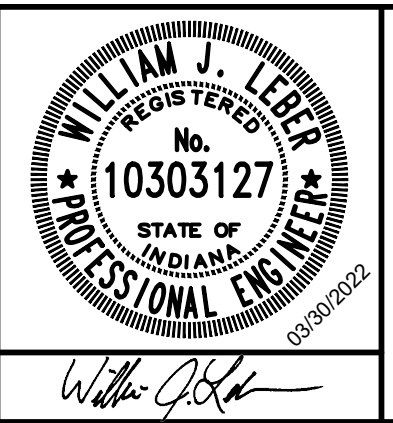


PLAN - LINE B
SCALE: 1" = 20'



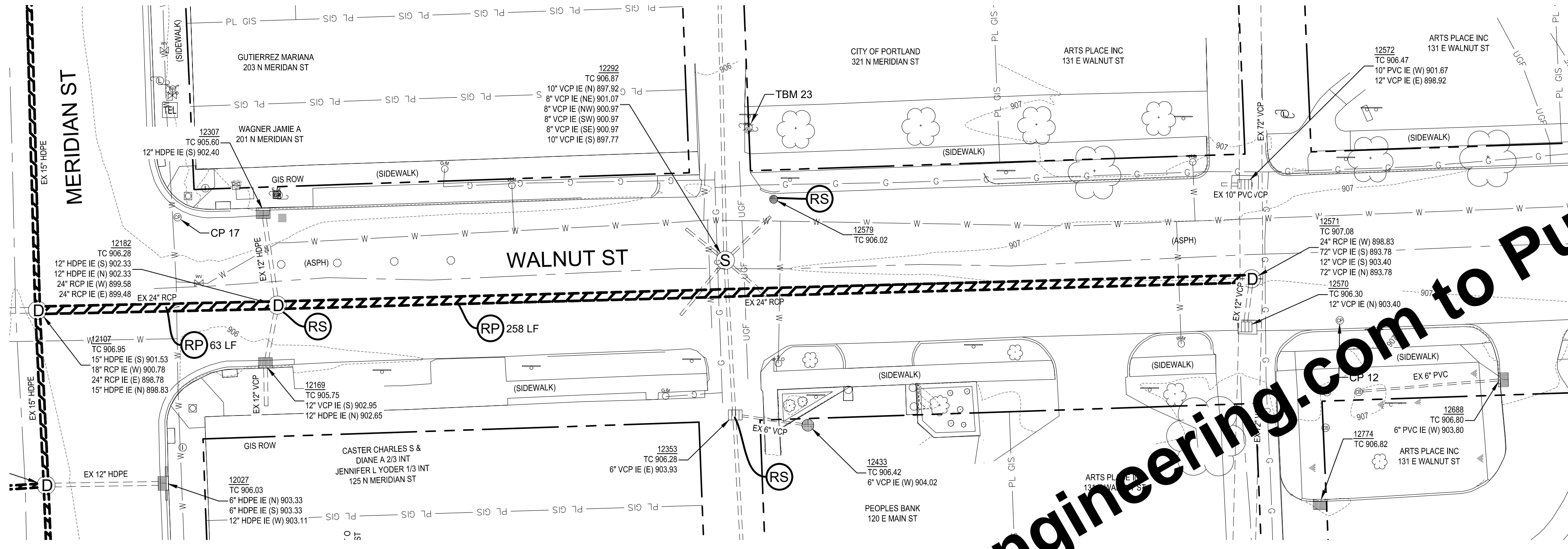
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SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	RLS				
	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				

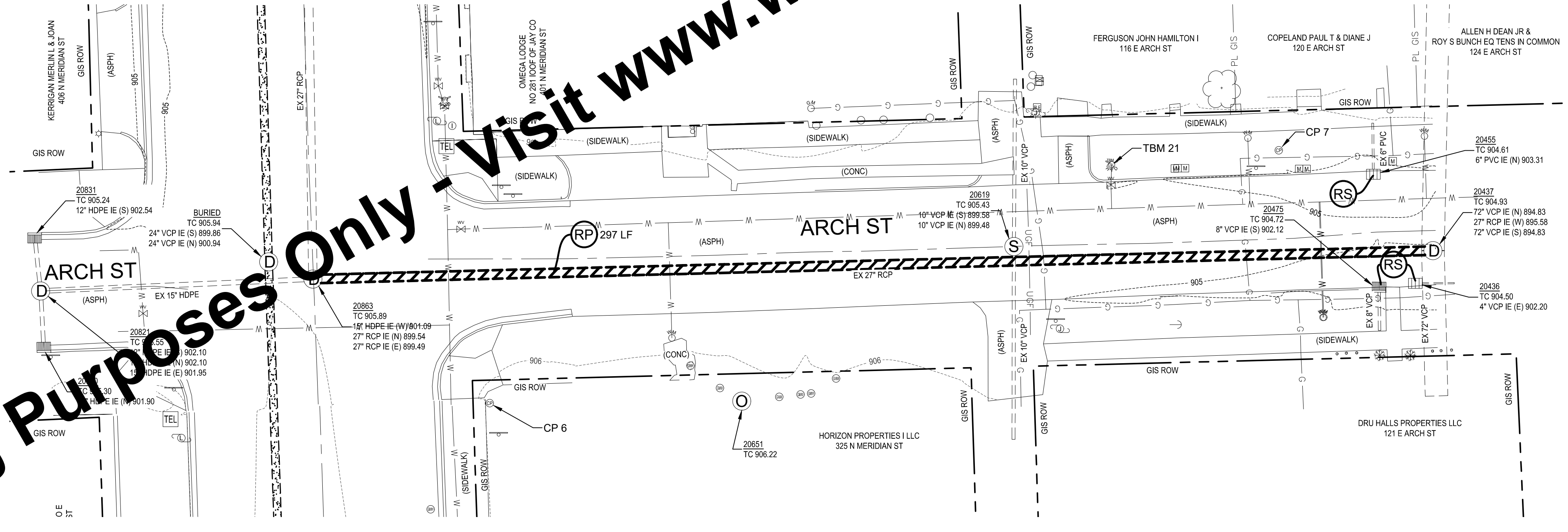


PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA
EXISTING CONDITIONS - DEMOLITION

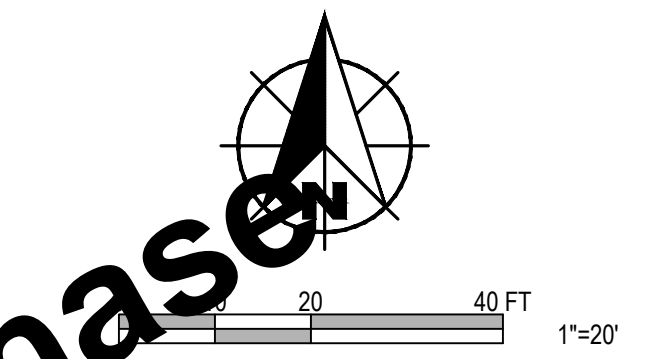
SHEET NO.	06
TOTAL SHEETS	24



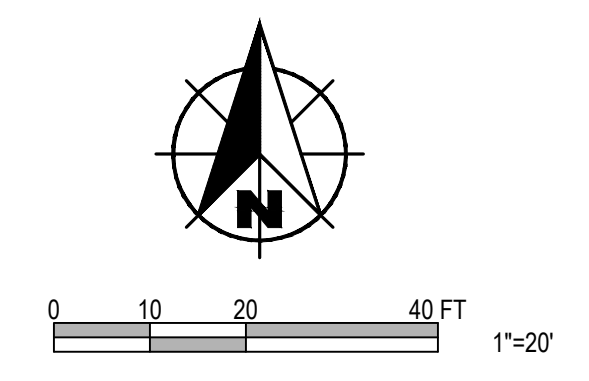
PLAN - LINE C
SCALE: 1" = 20'



PLAN - LINE D
SCALE: 1" = 20'



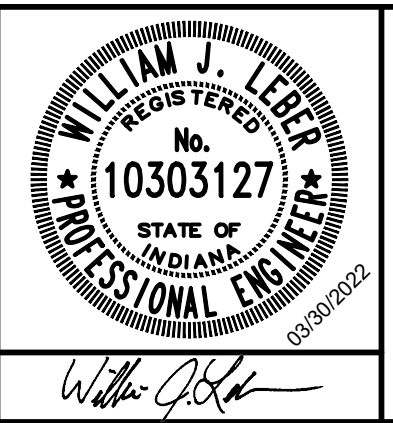
- LEGEND**
- ABANDON PIPE WITH FLOWABLE FILL OR REMOVE PIPE COMPLETELY
 - ABANDON PIPE WITH FLOWABLE FILL
 - REMOVE PIPE COMPLETELY
 - REMOVE STRUCTURE
 - REMOVE PIPE COMPLETELY
 - ABANDON PIPE WITH FLOWABLE FILL (ADD ALTERNATE NO. 1)
 - ABANDON STRUCTURE WITH FLOWABLE FILL OR REMOVE STRUCTURE (ADD ALTERNATE NO. 1)
 - ABANDON PIPE WITH FLOWABLE FILL OR REMOVE PIPE COMPLETELY (ADD ALTERNATE NO. 1)



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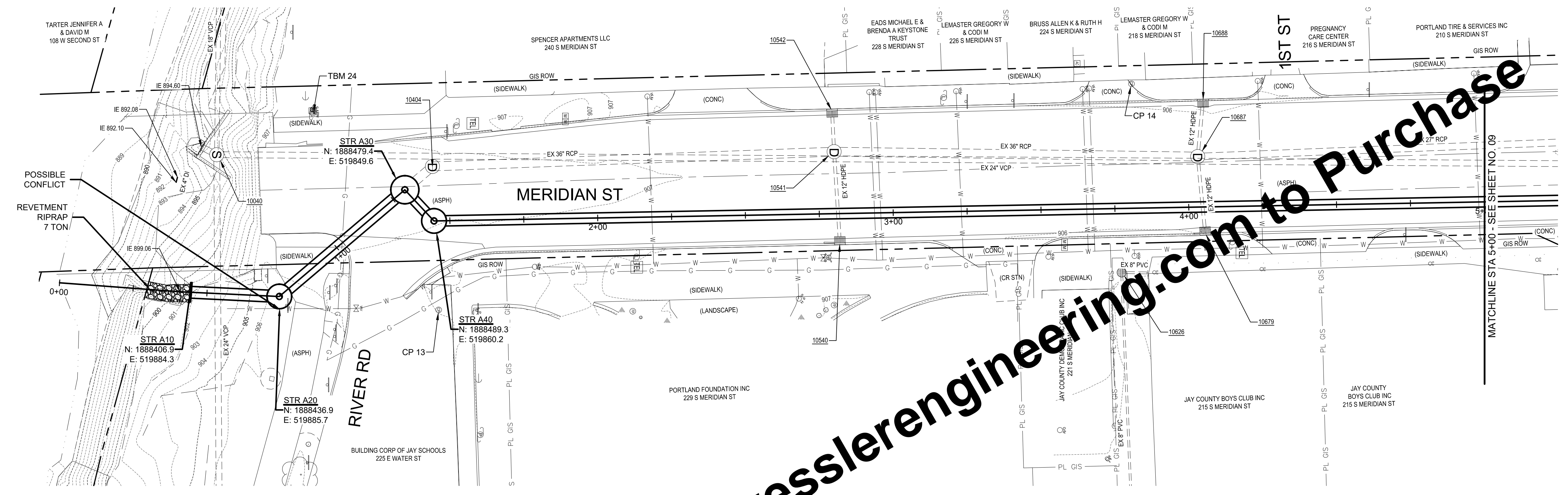
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SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	RLS				
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	PROJECT NUMBER	228120-04-001				

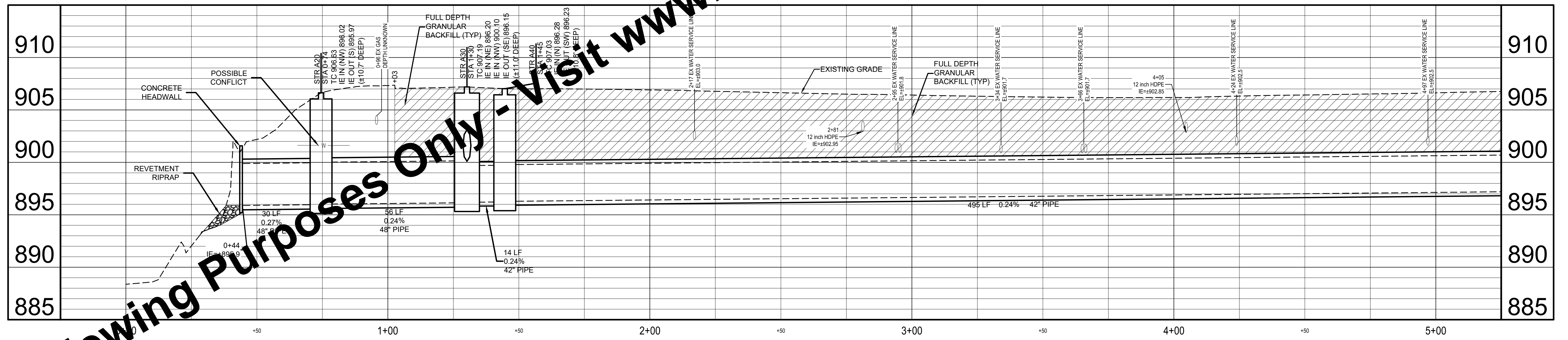


PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA
EXISTING CONDITIONS - DEMOLITION

SHEET NO.	07
TOTAL SHEETS	24



PLAN - LINE A
SCALE: 1" = 20'

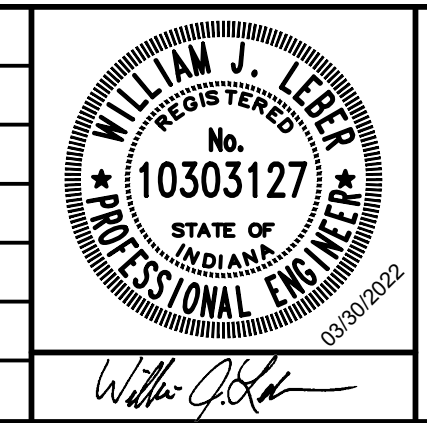


PROFILE - LINE A
HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

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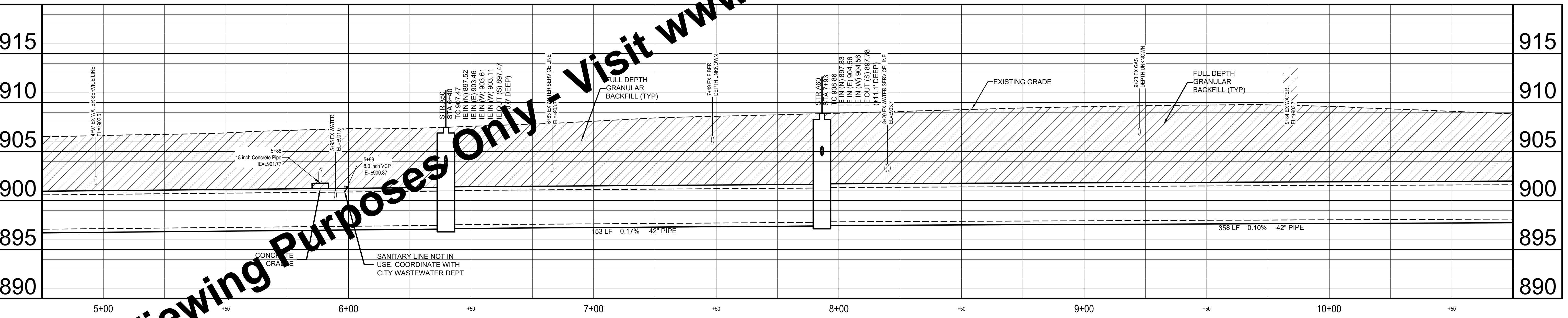
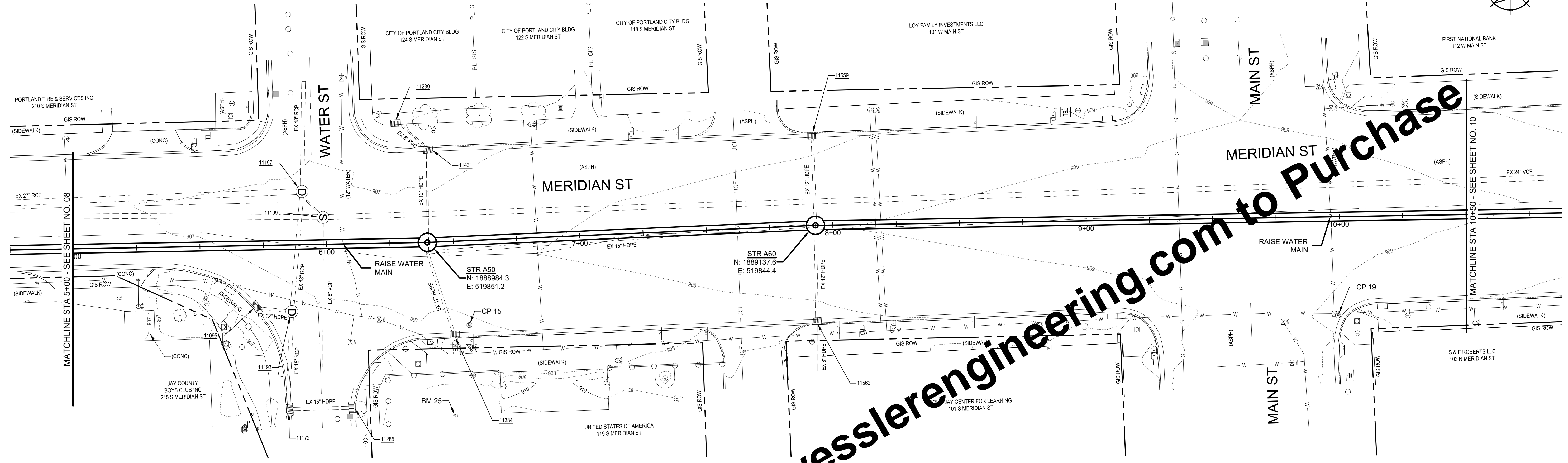
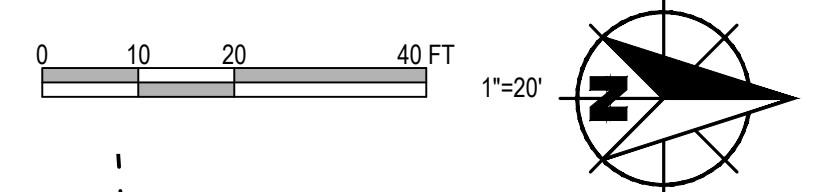
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BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	RLS				
	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA

NEW STORM SEWER PLAN AND PROFILE - LINE A

SHEET NO.	08
TOTAL SHEETS	24

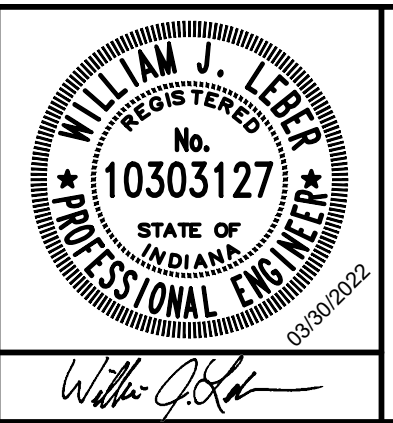


PROFILE - LINE A
 HORIZ SCALE: 1" = 20'
 VERT SCALE: 1" = 5'

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Drawing: J:\Portland\Projects\228120-Portland Meridian St Drainage\CADD\DWG\Sheets\228120-PP.dwg | Layout: 02 | Plotter: 04/06/22 @ 07:54:44 | LastSavedBy: jasonw

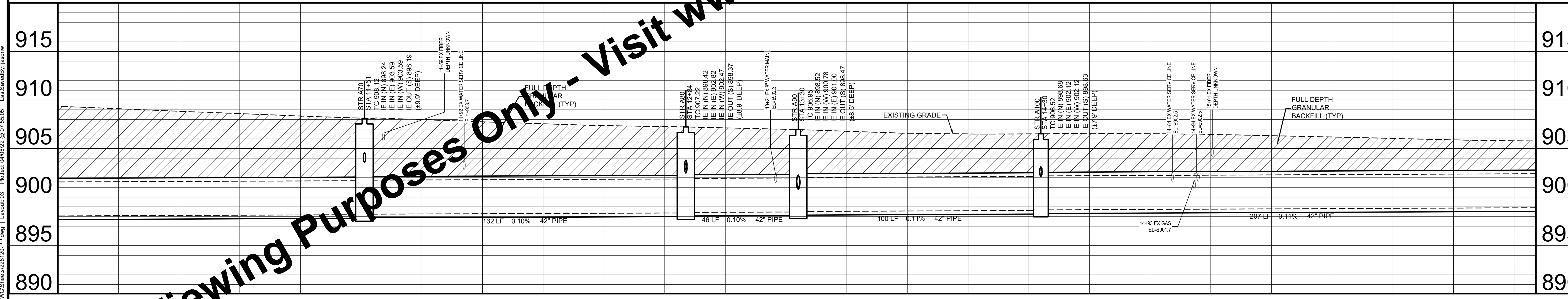
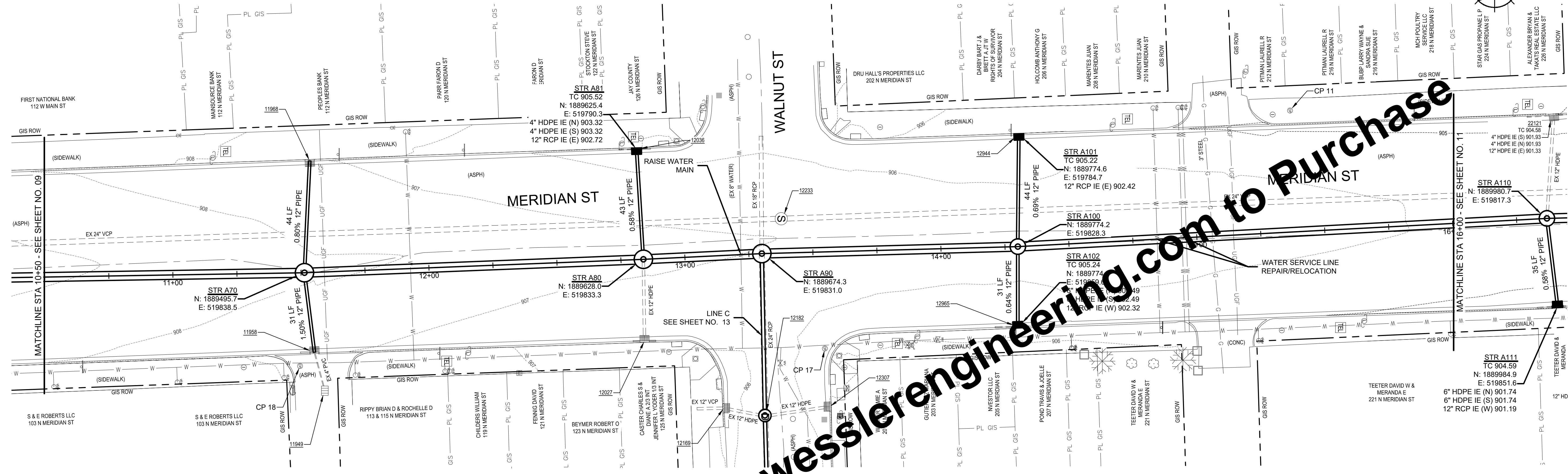
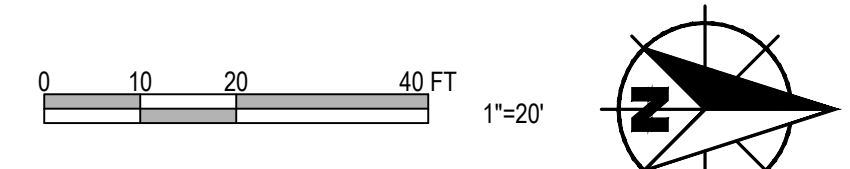
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	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



PORTLAND MERIDIAN ST DRAINAGE
 CITY OF PORTLAND, INDIANA

NEW STORM SEWER PLAN AND PROFILE - LINE A

SHEET NO.	09
TOTAL SHEETS	24

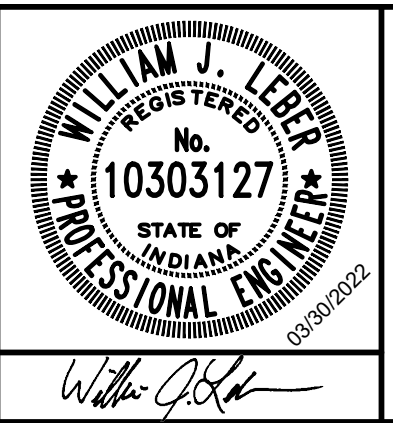


PROFILE - LINE A
 HORIZ SCALE: 1" = 20'
 VERT SCALE: 1" = 5'

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Drawing: J:\Portland\Projects\228120-Portland Meridian St Drainage\CADD\DWG\Sheets\228120-PP.dwg | Layout: 03 | Plotlet: 04/06/22 @ 07:55:05 | LastSavedBy: jasonw

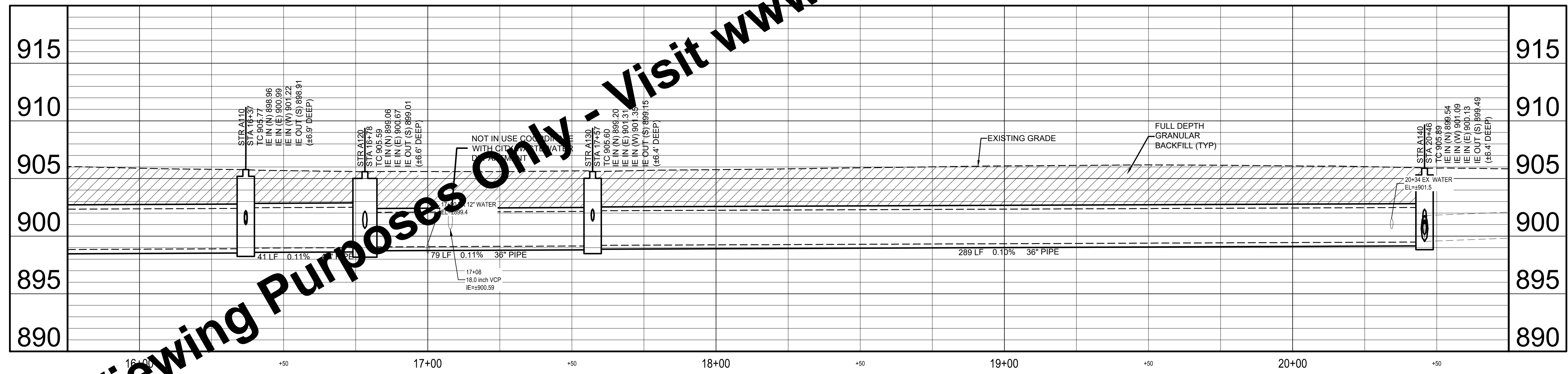
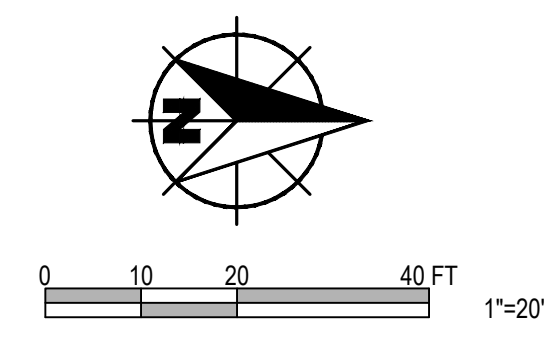
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	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



PORTLAND MERIDIAN ST DRAINAGE
 CITY OF PORTLAND, INDIANA

NEW STORM SEWER PLAN AND PROFILE - LINE A


SHEET NO.	10
TOTAL SHEETS	24

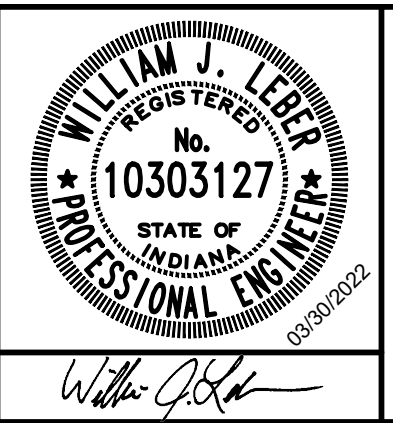


PROFILE - LINE A
 HORIZ SCALE: 1" = 20'
 VERT SCALE: 1" = 5'

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Drawing: J:\Portland\Projects\228120-Portland Meridian St Drainage\CADD\DWG\Sheets\228120-PP.dwg | Layout: 04 | Plotter: 04/06/22 @ 07:55:25 | LastSavedBy: jasonw

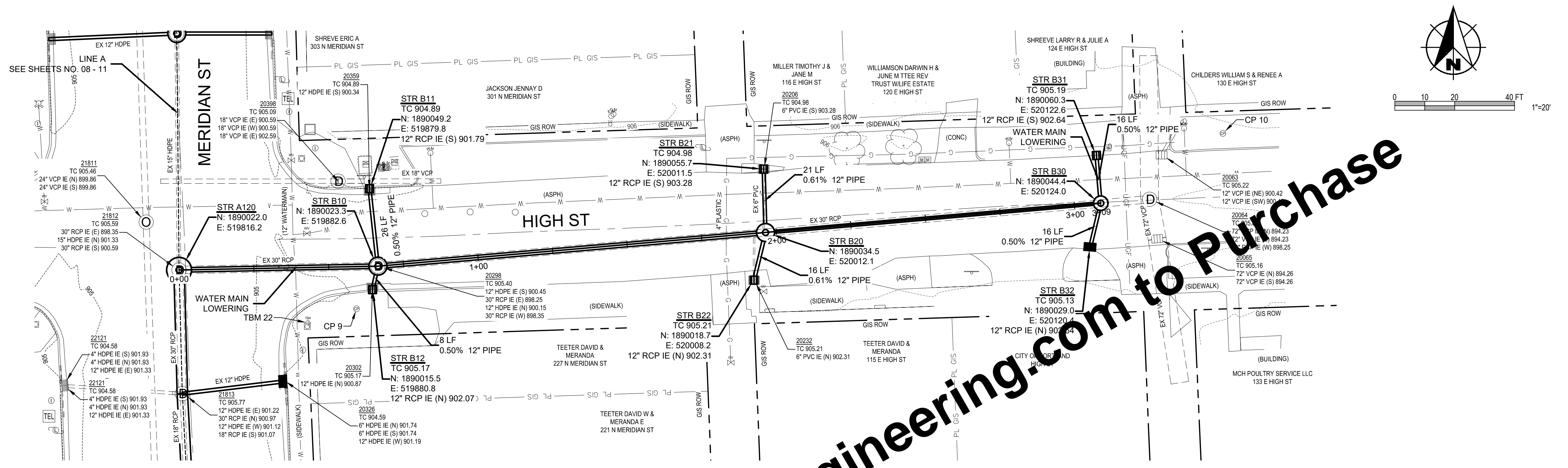
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	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



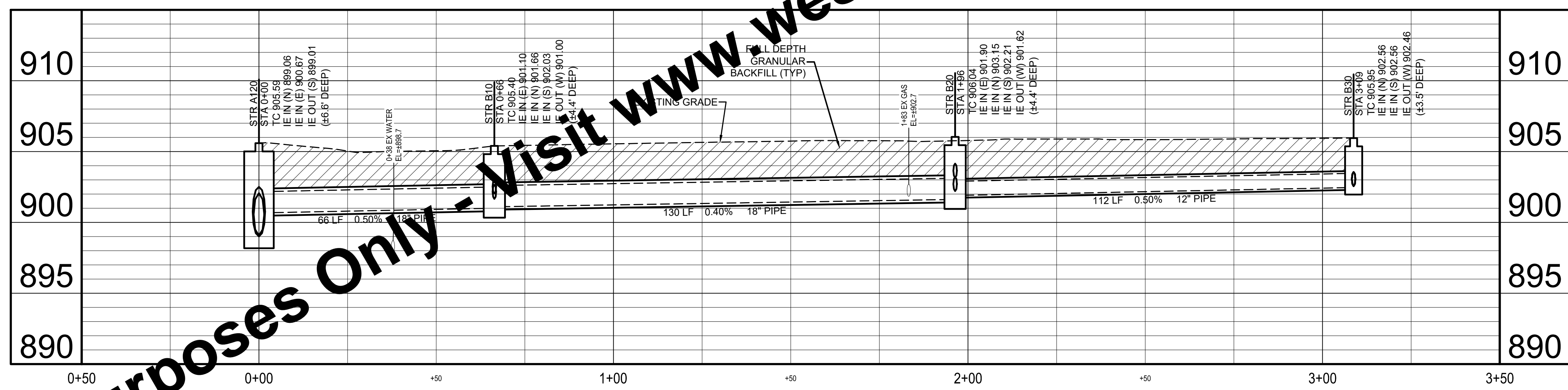
PORTLAND MERIDIAN ST DRAINAGE
 CITY OF PORTLAND, INDIANA

NEW STORM SEWER PLAN AND PROFILE - LINE A

SHEET NO.	11
TOTAL SHEETS	24




PLAN - LINE B
SCALE: 1" = 20'

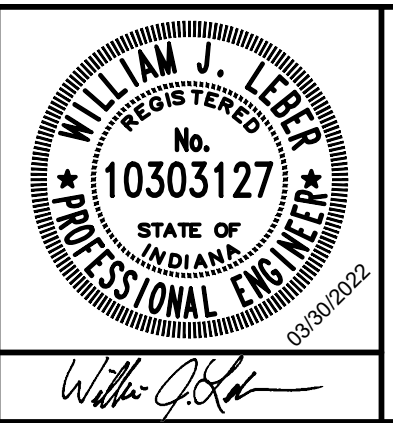


PROFILE - LINE B
HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

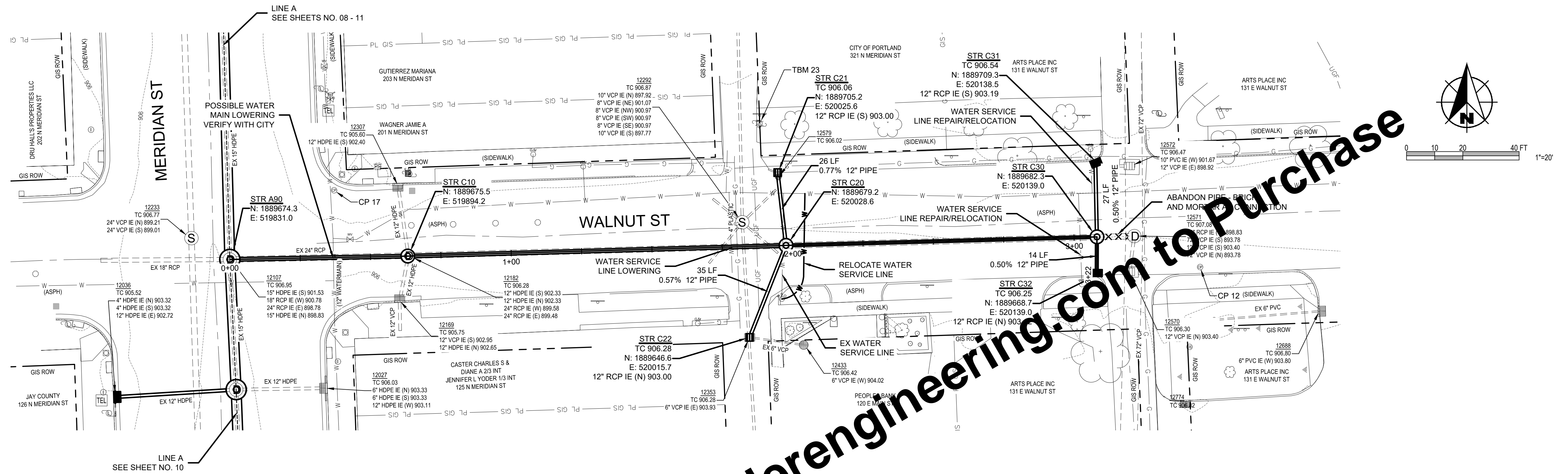
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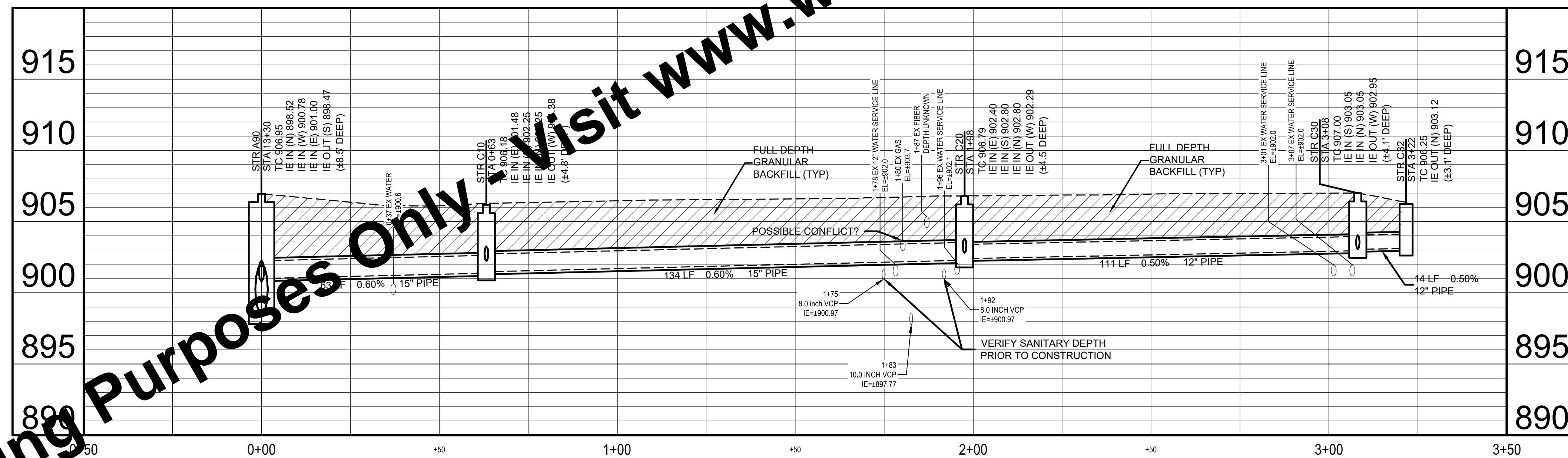
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	CHECKED BY	RLS				
	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



PORTLAND MERIDIAN ST DRAINAGE CITY OF PORTLAND, INDIANA NEW STORM SEWER PLAN AND PROFILE - LINE B	SHEET NO. 12 TOTAL SHEETS 24
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PLAN - LINE C
SCALE: 1" = 20'



PROFILE - LINE C
HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

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SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	RLS				
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	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



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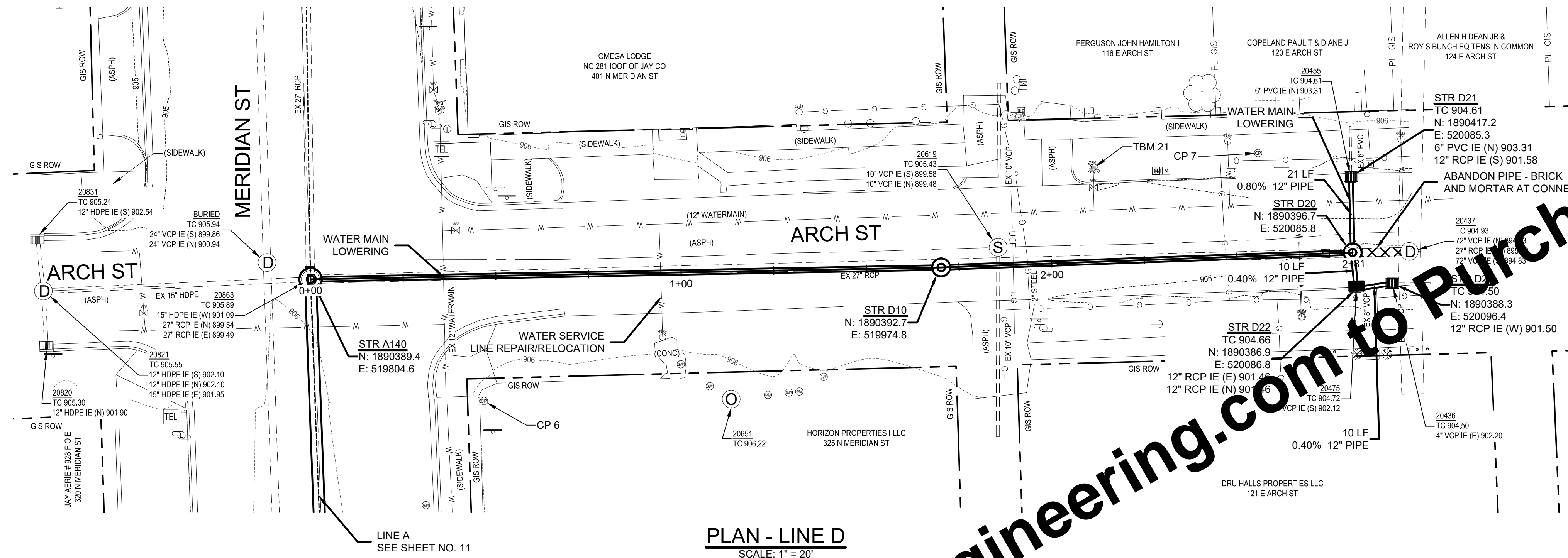
PORTLAND MERIDIAN ST DRAINAGE

CITY OF PORTLAND, INDIANA

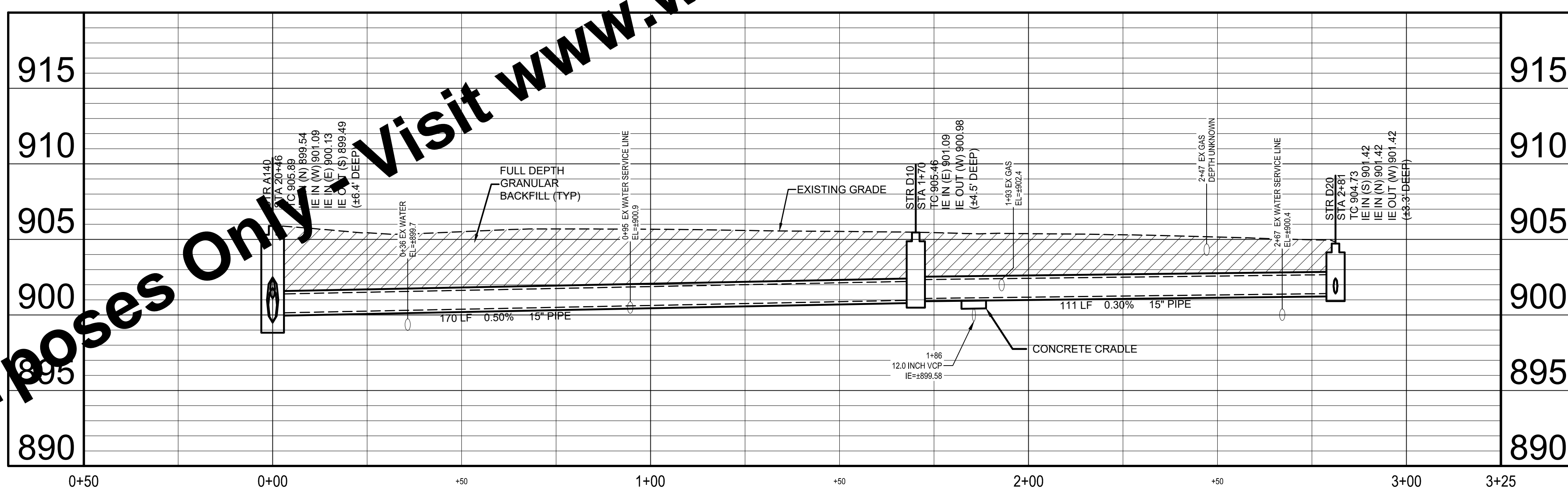
NEW STORM SEWER PLAN AND PROFILE - LINE C

SHEET NO.	13
TOTAL SHEETS	24

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PLAN - LINE D
SCALE: 1" = 20'

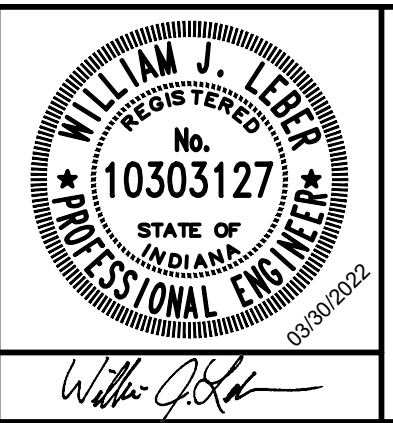


PROFILE - LINE D
HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

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Drawing: J:\Portland\Projects\228120-Portland Meridian St Drainage\CADD\DWG\Sheets\228120-PP-3.dwg | Layout: 08 | Plotter: 04/06/22 @ 07:55:55 | L:\SavesBy\jasonw

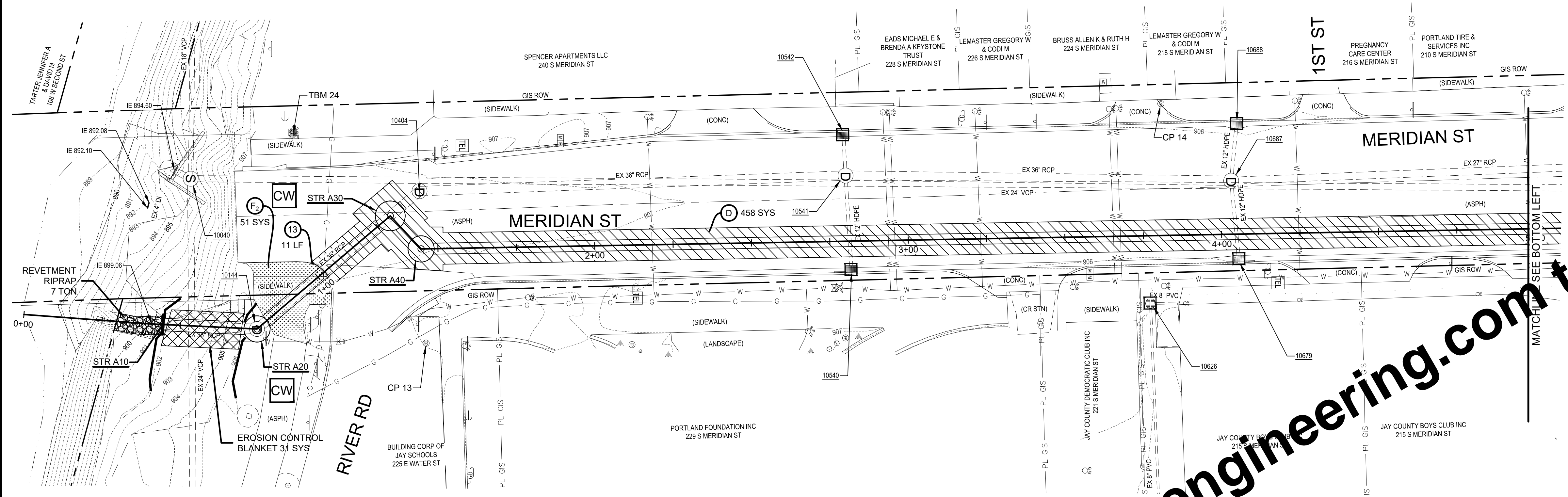
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	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA

NEW STORM SEWER PLAN AND PROFILE - LINE D

SHEET NO.	14
TOTAL SHEETS	24



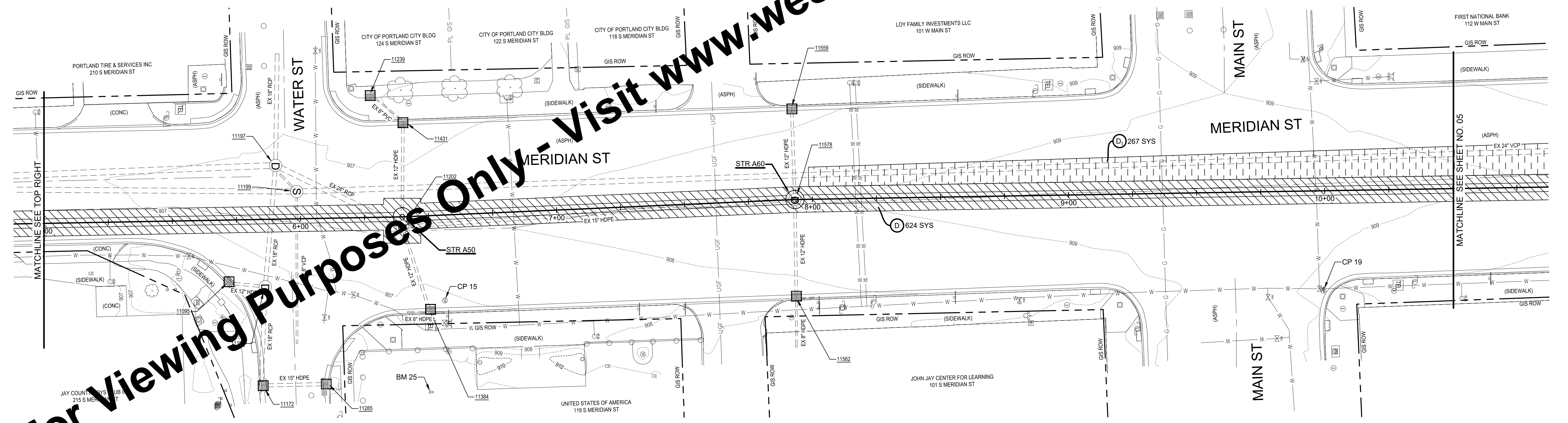
PLAN - LINE A
SCALE: 1" = 20'

LEGEND

- PAVEMENT REPAIR
- ADDITIONAL PAVEMENT REPAIR IF REMOVING THE EXISTING ASPHALT PAVEMENT
- CONCRETE CURB AND GUTTER REPAIR
- CONCRETE PAVEMENT REPAIR
- CONCRETE SIDEWALK REPAIR
- FILTER TUBE
- INLET PROTECTION
- CONCRETE WASHOUT (POTENTIAL LOCATIONS)
- SILT FENCE
- SEED AND EROSION CONTROL BLANKET
- SEED AND MULCH

KEYED NOTES

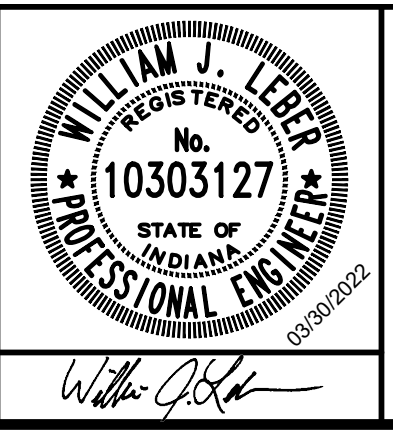
- D ASPHALT PAVEMENT (STATE HIGHWAY) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D₁ ASPHALT PAVEMENT (STATE HIGHWAY) REPAIR AND FULL DEPTH CLASS I BACKFILL ONLY IF REMOVING EXISTING PIPE
- D₂ ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- F CONCRETE PAVEMENT REPAIR AND FULL DEPTH CLASS 1 BACKFILL
- F₁ CONCRETE DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- F₂ CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
- 13 CONCRETE ROLL CURB REPAIR, MATCH EXISTING AND FULL DEPTH CLASS I BACKFILL



PLAN - LINE A
SCALE: 1" = 20'

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SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				

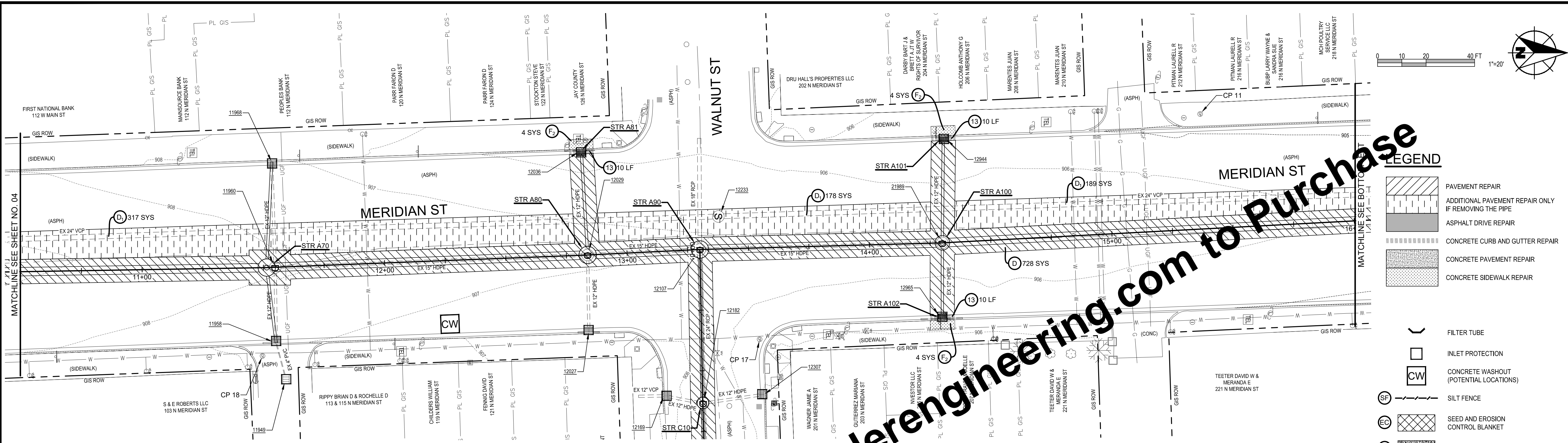


PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA

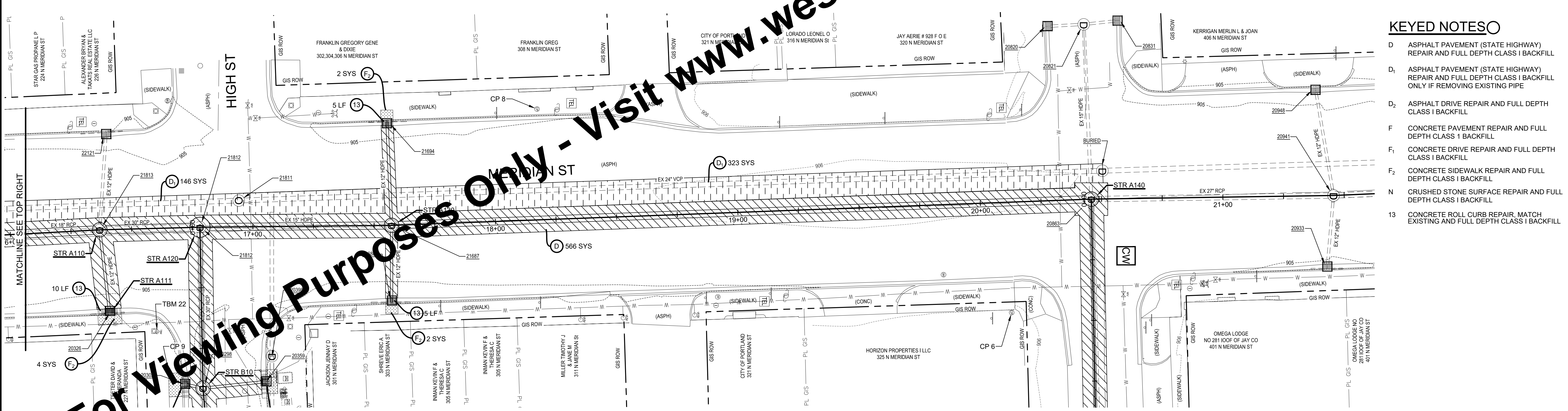
ROAD AND EROSION CONTROL PLANS - LINE A

SHEET NO.	15
TOTAL SHEETS	24

Drawing: J:\Portland\Projects\228120-Portland Meridian St Drainage\CADD\DWG\Sheets\228120-PA-RD-CP.dwg | Layout: 01 | Plotted: 04/04/22 @ 09:23:26 | LastSavedBy: jasonw



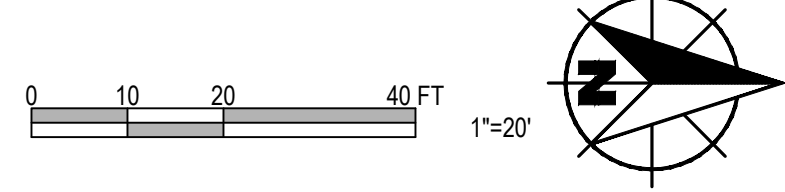
PLAN - LINE A
SCALE: 1" = 20'



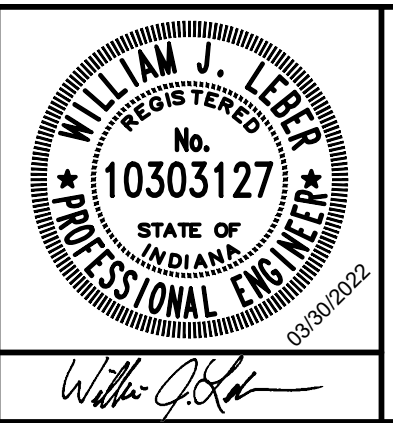
PLAN - LINE A
SCALE: 1" = 20'

- LEGEND**
- PAVEMENT REPAIR
 - ADDITIONAL PAVEMENT REPAIR ONLY IF REMOVING THE PIPE
 - ASPHALT DRIVE REPAIR
 - CONCRETE CURB AND GUTTER REPAIR
 - CONCRETE PAVEMENT REPAIR
 - CONCRETE SIDEWALK REPAIR
 - FILTER TUBE
 - INLET PROTECTION
 - CONCRETE WASHOUT (POTENTIAL LOCATIONS)
 - SILT FENCE
 - SEED AND EROSION CONTROL BLANKET
 - SEED AND MULCH

- KEYED NOTES**
- D ASPHALT PAVEMENT (STATE HIGHWAY) REPAIR AND FULL DEPTH CLASS I BACKFILL
 - D₁ ASPHALT PAVEMENT (STATE HIGHWAY) REPAIR AND FULL DEPTH CLASS I BACKFILL ONLY IF REMOVING EXISTING PIPE
 - D₂ ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
 - F CONCRETE PAVEMENT REPAIR AND FULL DEPTH CLASS I BACKFILL
 - F₁ CONCRETE DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
 - F₂ CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I BACKFILL
 - N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
 - 13 CONCRETE ROLL CURB REPAIR, MATCH EXISTING AND FULL DEPTH CLASS I BACKFILL



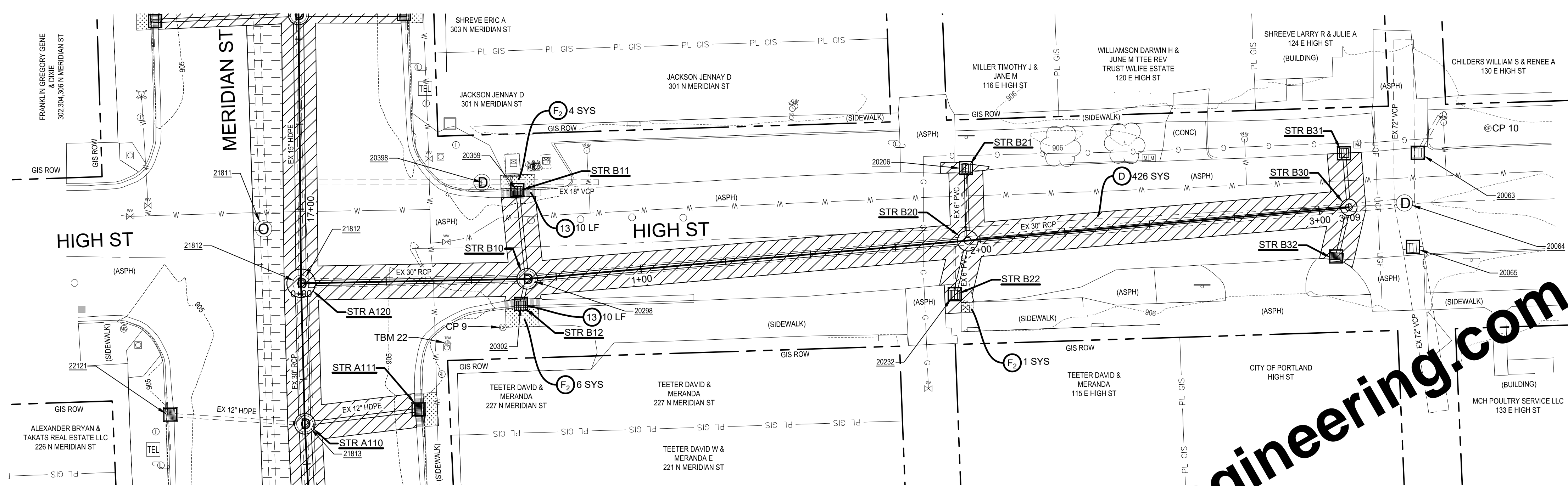
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	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



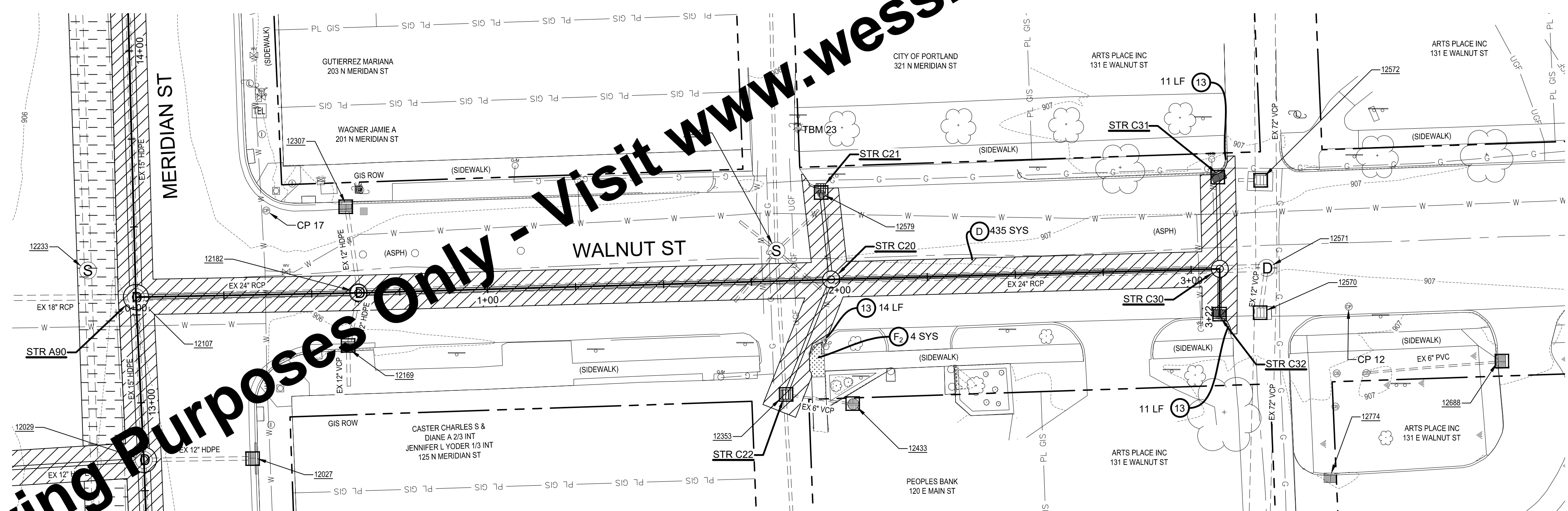
PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA
ROAD AND EROSION CONTROL PLANS - LINE A

SHEET NO.
16
TOTAL SHEETS
24

Drawing: J:\Portland\Projects\228120-Portland Meridian St Drainage\CADD\DWG\Sheets\228120-PA-RD-CP.dwg | Layout: 02 | Printed: 04/04/22 @ 09:23:57 | LastSavedBy: jasonw



PLAN - LINE B
SCALE: 1" = 20'



PLAN - LINE C
SCALE: 1" = 20'

LEGEND

- PAVEMENT REPAIR
- ASPHALT DRIVE REPAIR ONLY IF REMOVING THE PIPE
- ASPHALT DRIVE REPAIR
- CONCRETE CURB AND GUTTER REPAIR
- CONCRETE PAVEMENT REPAIR
- CONCRETE SIDEWALK REPAIR
- FILTER TUBE
- INLET PROTECTION
- CONCRETE WASHOUT (POTENTIAL LOCATIONS)
- SILT FENCE
- SEED AND EROSION CONTROL BLANKET
- SEED AND MULCH

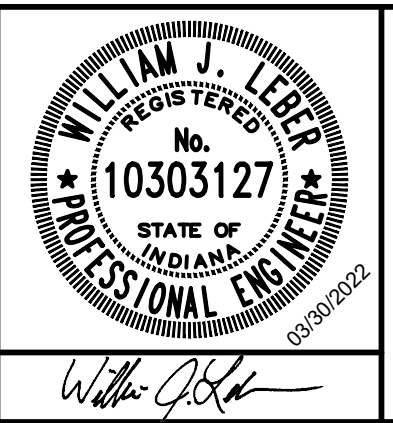
KEYED NOTES

- D ASPHALT PAVEMENT (STATE HIGHWAY) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D₁ ASPHALT PAVEMENT (STATE HIGHWAY) REPAIR AND FULL DEPTH CLASS I BACKFILL ONLY IF REMOVING EXISTING PIPE
- D₂ ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- F CONCRETE PAVEMENT REPAIR AND FULL DEPTH CLASS I BACKFILL
- F₁ CONCRETE DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- F₂ CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
- 13 CONCRETE ROLL CURB REPAIR, MATCH EXISTING AND FULL DEPTH CLASS I BACKFILL

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Drawing: J:\Portland\Projects\228120-Portland Meridian St Drainage\CAD\DWG\Sheets\228120-PN-RD-CP.dwg | Layout: 03 | Printed: 04/04/22 @ 09:24:27 | LastSavedBy: jasonw

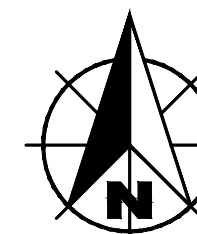
SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
	CHECKED BY	RLS				
	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



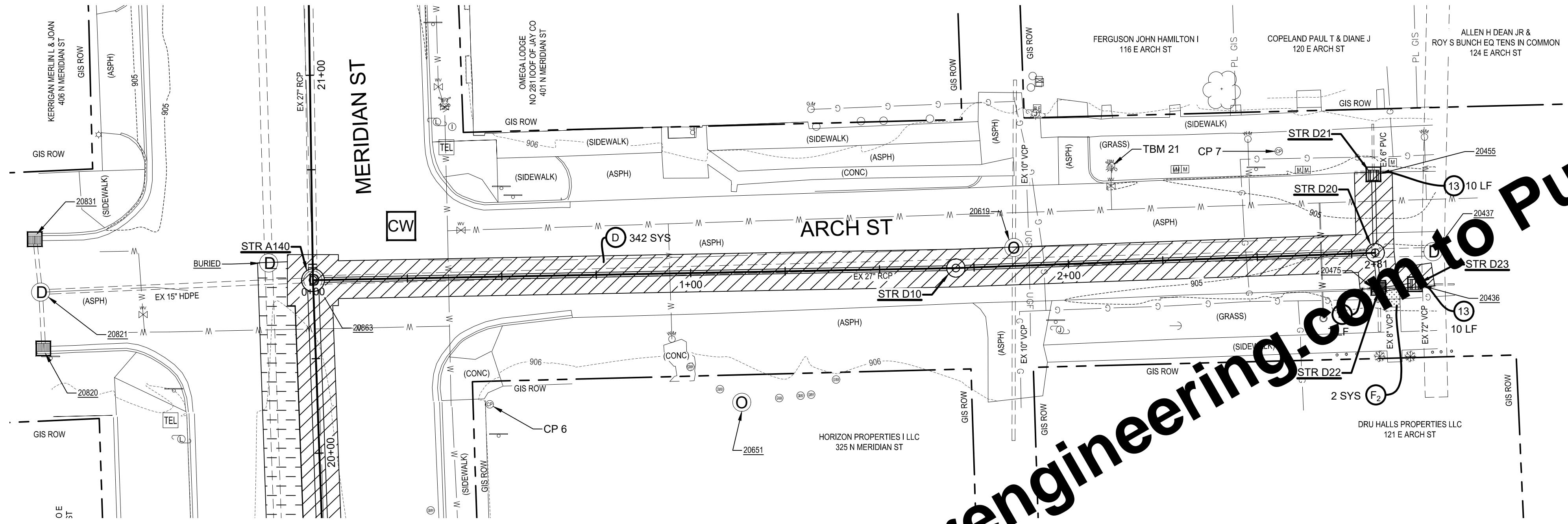
PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA

ROAD AND EROSION CONTROL PLANS - LINES B AND C

SHEET NO.	17
TOTAL SHEETS	24



0 10 20 40 FT 1"=20'



PLAN - LINE D
SCALE: 1" = 20'

LEGEND

- PAVEMENT REPAIR
- ADDITIONAL PAVEMENT REPAIR ONLY IF REMOVING THE PIPE
- ASPHALT DRIVE REPAIR
- CONCRETE CURB AND GUTTER REPAIR
- CONCRETE PAVEMENT REPAIR
- CONCRETE SIDEWALK REPAIR
- FILTER TUBE
- INLET PROTECTION
- CONCRETE WASHOUT (POTENTIAL LOCATIONS)
- SILT FENCE
- SEED AND EROSION CONTROL BLANKET
- SEED AND MULCH

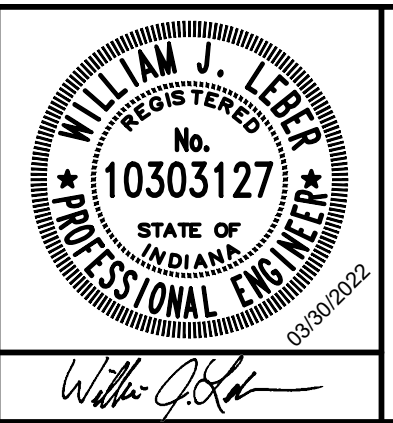
KEYED NOTES

- D ASPHALT PAVEMENT (STATE HIGHWAY) REPAIR AND FULL DEPTH CLASS I BACKFILL
- D₁ ASPHALT PAVEMENT (STATE HIGHWAY) REPAIR AND FULL DEPTH CLASS I BACKFILL ONLY IF REMOVING EXISTING PIPE
- D₂ ASPHALT DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- F CONCRETE PAVEMENT REPAIR AND FULL DEPTH CLASS I BACKFILL
- F₁ CONCRETE DRIVE REPAIR AND FULL DEPTH CLASS I BACKFILL
- F₂ CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I BACKFILL
- N CRUSHED STONE SURFACE REPAIR AND FULL DEPTH CLASS I BACKFILL
- 13 CONCRETE ROLL CURB REPAIR, MATCH EXISTING AND FULL DEPTH CLASS I BACKFILL

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Drawing: J:\Portland\Projects\228120-Portland Meridian St Drainage\CADD\DWG\Sheets\228120-PM-RD-CP.dwg | Layout: 04/04/22 @ 09:24:48 | LastSavedBy: jasonw

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	RLS				
	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				




PORTLAND MERIDIAN ST DRAINAGE	SHEET NO.
CITY OF PORTLAND, INDIANA	18
ROAD AND EROSION CONTROL PLANS - LINE D	TOTAL SHEETS
	24

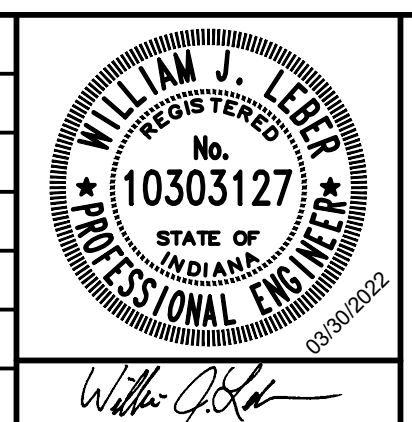
STRUCTURE TABLE					
STRUCTURE NAME:	STATION	CASTING	STRUCTURE DETAIL	PIPES IN:	PIPES OUT
20941	21+46	RIM: 905.67	48 INCH STANDARD MANHOLE (INDOT TYPE C)	FROM 21045, 27" RCP INV IN: 900.57, 105 LF @ 0.33% FROM , 12" HDPE INV IN: 901.57, 3 LF FROM , 12" HDPE INV IN: 901.52, 3 LF	
21045	22+50	RIM: 906.12	48 INCH STANDARD MANHOLE (INDOT TYPE C)	FROM 21192, 24" RCP INV IN: 900.97, 147 LF @ 0.16% FROM , 12" HDPE INV IN: 901.62, 3 LF FROM , 12" HDPE INV IN: 901.62, 3 LF	TO 20941, 27" RCP INV OUT: 900.92, 105 LF @ 0.33%
21192	23+98	RIM: 906.91	48 INCH STANDARD MANHOLE (INDOT TYPE C)	FROM 21263, 15" HDPE INV IN: 902.66, 59 LF @ 0.22% FROM , 15" HDPE INV IN: 902.89, 3 LF FROM , 15" HDPE INV IN: 902.81, 3 LF	TO 21045, 24" RCP INV OUT: 901.21, 147 LF @ 0.16%
21263	24+56	RIM: 907.24	48 INCH STANDARD MANHOLE (INDOT TYPE C)	FROM , 15" HDPE INV IN: 902.89, 3 LF FROM , 12" HDPE INV IN: 902.89, 3 LF	TO 21192, 15" HDPE INV OUT: 902.79, 59 LF @ 0.22%
A10	0+44	RIM: 900.31	79 X 6 X 44 INCH CONCRETE RECTANGULAR HEADWALL	FROM A20, 48" RCP INV IN: 895.89, 30 LF @ 0.27%	
A20	0+74	RIM: 906.63	84 INCH TYPE 1 MANHOLE	FROM A30, 48" RCP INV IN: 896.02, 56 LF @ 0.24%	TO A10, 48" RCP INV OUT: 895.97, 30 LF @ 0.27%
A30	1+30	RIM: 907.19	96 INCH TYPE 1 MANHOLE	FROM A40, 42" RCP INV IN: 896.20, 14 LF @ 0.24% FROM , 36" RCP INV IN: 900.10, 5 LF	TO A20, 48" RCP INV OUT: 896.15, 56 LF @ 0.24%
A40	1+45	RIM: 907.03	84 INCH TYPE 1 MANHOLE	FROM A50, 42" RCP INV IN: 896.28, 495 LF @ 0.24%	TO A30, 42" RCP INV OUT: 896.23, 14 LF @ 0.24%
A50	6+40	RIM: 907.47	72 INCH TYPE 1 MANHOLE	FROM A60, 42" RCP INV IN: 897.52, 153 LF @ 0.17% FROM , 12" HDPE INV IN: 903.46, 4 LF @ 5.25% FROM , 12" HDPE INV IN: 903.61, 2 LF FROM , 12" HDPE INV IN: 903.11, 4 LF	TO A40, 42" RCP INV OUT: 897.47, 495 LF @ 0.24%
A60	7+93	RIM: 908.86	72 INCH TYPE 1 MANHOLE	FROM A70, 42" RCP INV IN: 897.83, 358 LF @ 0.10% FROM , 12" HDPE INV IN: 904.56, 3 LF FROM , 12" HDPE INV IN: 904.56, 3 LF	TO A50, 42" RCP INV OUT: 897.78, 153 LF @ 0.17%
A70	11+51	RIM: 908.12	72 INCH TYPE 1 MANHOLE	FROM A80, 42" RCP INV IN: 898.24, 132 LF @ 0.10% FROM , 12" HDPE INV IN: 903.59, 31 LF @ 1.50% FROM , 12" HDPE INV IN: 903.59, 44 LF @ 0.80%	TO A60, 42" RCP INV OUT: 898.19, 358 LF @ 0.10%
A80	12+84	RIM: 907.22	72 INCH TYPE 1 MANHOLE	FROM A90, 42" RCP INV IN: 898.42, 46 LF @ 0.10% FROM , 12" HDPE INV IN: 902.82, 3 LF @ 0.58% FROM A81, 12" RCP INV IN: 902.47, 43 LF @ 0.58%	TO A70, 42" RCP INV OUT: 898.37, 132 LF @ 0.10%
A81	12+83	RIM: 905.52	36 X 24 INCH INLET (INDOT TYPE J, M, OR R)	FROM , 4" HDPE INV IN: 903.32, 2 LF FROM , 4" HDPE INV IN: 903.32, 2 LF	TO A80, 12" RCP INV OUT: 902.72, 43 LF @ 0.58%
A90	13+30	RIM: 906.95	72 INCH TYPE 1 MANHOLE	FROM A100, 42" RCP INV IN: 898.52, 100 LF @ 0.11% FROM , 18" RCP INV IN: 900.78, 3 LF FROM C10, 15" RCP INV IN: 901.00, 63 LF @ 0.60%	TO A80, 42" RCP INV OUT: 898.47, 46 LF @ 0.10%
A100	14+30	RIM: 906.52	60 INCH TYPE 1 MANHOLE	FROM A110, 42" RCP INV IN: 898.68, 207 LF @ 0.11% FROM A102, 12" RCP INV IN: 902.12, 31 LF @ 0.64% FROM A101, 12" RCP INV IN: 902.12, 44 LF @ 0.69%	TO A90, 42" RCP INV OUT: 898.63, 100 LF @ 0.11%
A101	14+33	RIM: 905.22	36 X 24 INCH INLET (INDOT TYPE J, M, OR R)		TO A100, 12" RCP INV OUT: 902.42, 44 LF @ 0.69%
A102	14+29	RIM: 905.24	36 X 24 INCH INLET (INDOT TYPE J, M, OR R)	FROM , 6" HDPE INV IN: 902.49, 2 LF FROM , 6" HDPE INV IN: 902.49, 2 LF	TO A100, 12" RCP INV OUT: 902.42, 44 LF @ 0.69%
A110	16+37	RIM: 905.77	60 INCH TYPE 1 MANHOLE	FROM A120, 42" RCP INV IN: 898.96, 41 LF @ 0.11% FROM A111, 12" RCP INV IN: 900.99, 35 LF @ 0.58% FROM , 12" HDPE INV IN: 901.22, 3 LF	TO A100, 42" RCP INV OUT: 898.91, 207 LF @ 0.11%
A111	16+40	RIM: 904.59	36 X 24 INCH INLET (INDOT TYPE J, M, OR R)	FROM , 6" HDPE INV IN: 901.74, 2 LF FROM , 6" HDPE INV IN: 901.74, 2 LF	TO A110, 42" RCP INV OUT: 901.19, 35 LF @ 0.58%
A120	16+78	RIM: 905.59	84 INCH TYPE 1 MANHOLE	FROM A130, 36" RCP INV IN: 899.06, 79 LF @ 0.11% FROM B10, 18" RCP INV IN: 900.67, 66 LF @ 0.50%	TO A110, 42" RCP INV OUT: 899.01, 41 LF @ 0.11%
A130	17+57	RIM: 905.60	60 INCH TYPE 1 MANHOLE	FROM A140, 36" RCP INV IN: 899.00, 85 LF @ 0.10% FROM , 12" RCP INV IN: 901.31, 3 LF @ 0.31% FROM , 12" RCP INV IN: 901.31, 3 LF @ 0.40%	TO A120, 36" RCP INV OUT: 899.15, 79 LF @ 0.11%
A140	20+46	RIM: 905.89	60 INCH TYPE 1 MANHOLE	FROM , 27" RCP INV IN: 899.00, 3 LF FROM , 15" HDPE INV IN: 901.09, 3 LF FROM D20, 15" RCP INV IN: 900.13, 170 LF @ 0.50%	TO A130, 36" RCP INV OUT: 899.49, 289 LF @ 0.10%
B10	0+66	RIM: 905.40	60 INCH TYPE 1 MANHOLE	FROM B11, 12" RCP INV IN: 901.10, 130 LF @ 0.40% FROM B12, 12" RCP INV IN: 901.66, 26 LF @ 0.50% FROM B12, 12" RCP INV IN: 902.03, 8 LF @ 0.50%	TO A120, 18" RCP INV OUT: 901.00, 66 LF @ 0.50%
B11	17+05	RIM: 904.89	24 X 24 INCH (INDOT TYPE A)		TO B10, 12" RCP INV OUT: 901.79, 26 LF @ 0.50%
B12	16+70	RIM: 905.17	24 X 24 INCH (INDOT TYPE A)		TO B10, 12" RCP INV OUT: 902.07, 8 LF @ 0.50%
B20	1+96	RIM: 906.04	60 INCH TYPE 1 MANHOLE	FROM B30, 12" RCP INV IN: 901.90, 112 LF @ 0.50% FROM B21, 12" RCP INV IN: 903.15, 21 LF @ 0.61% FROM B22, 12" RCP INV IN: 902.21, 16 LF @ 0.61%	TO B10, 18" RCP INV OUT: 901.62, 130 LF @ 0.40%

STRUCTURE TABLE					
STRUCTURE NAME:	STATION	CASTING	STRUCTURE DETAIL	PIPES IN:	PIPES OUT
B21	1+98	RIM: 904.98	24 X 24 INCH (INDOT TYPE A)		TO B20, 12" RCP INV OUT: 903.28, 21 LF @ 0.61%
B22	1+91	RIM: 905.21	24 X 24 INCH (INDOT TYPE A)		TO B20, 12" RCP INV OUT: 902.31, 16 LF @ 0.61%
B30	3+09	RIM: 905.95	48 INCH FLAT TOP MANHOLE (INDOT TYPE C)	FROM B31, 12" RCP INV IN: 902.56, 16 LF @ 0.50% FROM B32, 12" RCP INV IN: 902.56, 16 LF @ 0.50%	TO B20, 12" RCP INV OUT: 902.46, 112 LF @ 0.50%
B31	3+09	RIM: 905.19	24 X 24 INCH (INDOT TYPE A)		TO B30, 12" RCP INV OUT: 902.64, 16 LF @ 0.50%
B32	3+04	RIM: 905.13	36 X 24 INCH INLET (INDOT TYPE J, M, OR R)		TO B30, 12" RCP INV OUT: 902.64, 16 LF @ 0.50%
C10	0+63	RIM: 906.18	48 INCH FLAT TOP MANHOLE (INDOT TYPE C)	FROM C20, 15" RCP INV IN: 901.48, 134 LF @ 0.60% FROM , 12" HDPE INV IN: 902.25, 3 LF FROM , 12" HDPE INV IN: 902.25, 3 LF	TO A90, 15" RCP INV OUT: 901.38, 63 LF @ 0.60%
C20	1+98	RIM: 906.79	48 INCH FLAT TOP MANHOLE (INDOT TYPE C)	FROM C30, 12" RCP INV IN: 902.29, 134 LF @ 0.50% FROM C21, 12" RCP INV IN: 902.80, 35 LF @ 0.57% FROM C21, 12" RCP INV IN: 902.80, 26 LF @ 0.77%	TO C10, 15" RCP INV OUT: 902.29, 134 LF @ 0.60%
C21	13+56	RIM: 906.06	24 X 24 INCH (INDOT TYPE A)		TO C20, 12" RCP INV OUT: 903.00, 26 LF @ 0.77%
C22	12+93	RIM: 906.28	24 X 24 INCH (INDOT TYPE A)		TO C20, 12" RCP INV OUT: 903.00, 35 LF @ 0.57%
C30	3+08	RIM: 907.00	48 INCH FLAT TOP MANHOLE (INDOT TYPE C)	FROM C32, 12" RCP INV IN: 903.05, 14 LF @ 0.50% FROM C31, 12" RCP INV IN: 903.05, 27 LF @ 0.50%	TO C20, 12" RCP INV OUT: 902.95, 111 LF @ 0.50%
C31	3+08	RIM: 906.54	36 X 24 INCH INLET (INDOT TYPE J, M, OR R)		TO C30, 12" RCP INV OUT: 903.19, 27 LF @ 0.50%
C32	3+22	RIM: 906.25	36 X 24 INCH INLET (INDOT TYPE J, M, OR R)		TO C30, 12" RCP INV OUT: 903.12, 14 LF @ 0.50%
D10	1+70	RIM: 905.46	48 INCH FLAT TOP MANHOLE (INDOT TYPE C)	FROM D20, 15" RCP INV IN: 901.09, 111 LF @ 0.30%	TO A140, 15" RCP INV OUT: 900.98, 170 LF @ 0.50%
D20	2+81	RIM: 904.73	48 INCH FLAT TOP MANHOLE (INDOT TYPE C)	FROM D22, 12" RCP INV IN: 901.42, 10 LF @ 0.40% FROM D21, 12" RCP INV IN: 901.42, 21 LF @ 0.80%	TO D10, 15" RCP INV OUT: 901.42, 111 LF @ 0.30%
D21	20+69	RIM: 905.65	24 X 24 INCH (INDOT TYPE A)	FROM , 6" PVC INV IN: 903.31, 1 LF	TO D20, 12" RCP INV OUT: 901.58, 21 LF @ 0.80%
D22	2+82	RIM: 905.66	36 X 24 INCH INLET (INDOT TYPE J, M, OR R)	FROM D23, 12" RCP INV IN: 901.46, 10 LF @ 0.40%	TO D20, 12" RCP INV OUT: 901.46, 10 LF @ 0.40%
D23	1+99	RIM: 904.50	24 X 24 INCH (INDOT TYPE A)		TO D22, 12" RCP INV OUT: 901.50, 10 LF @ 0.40%

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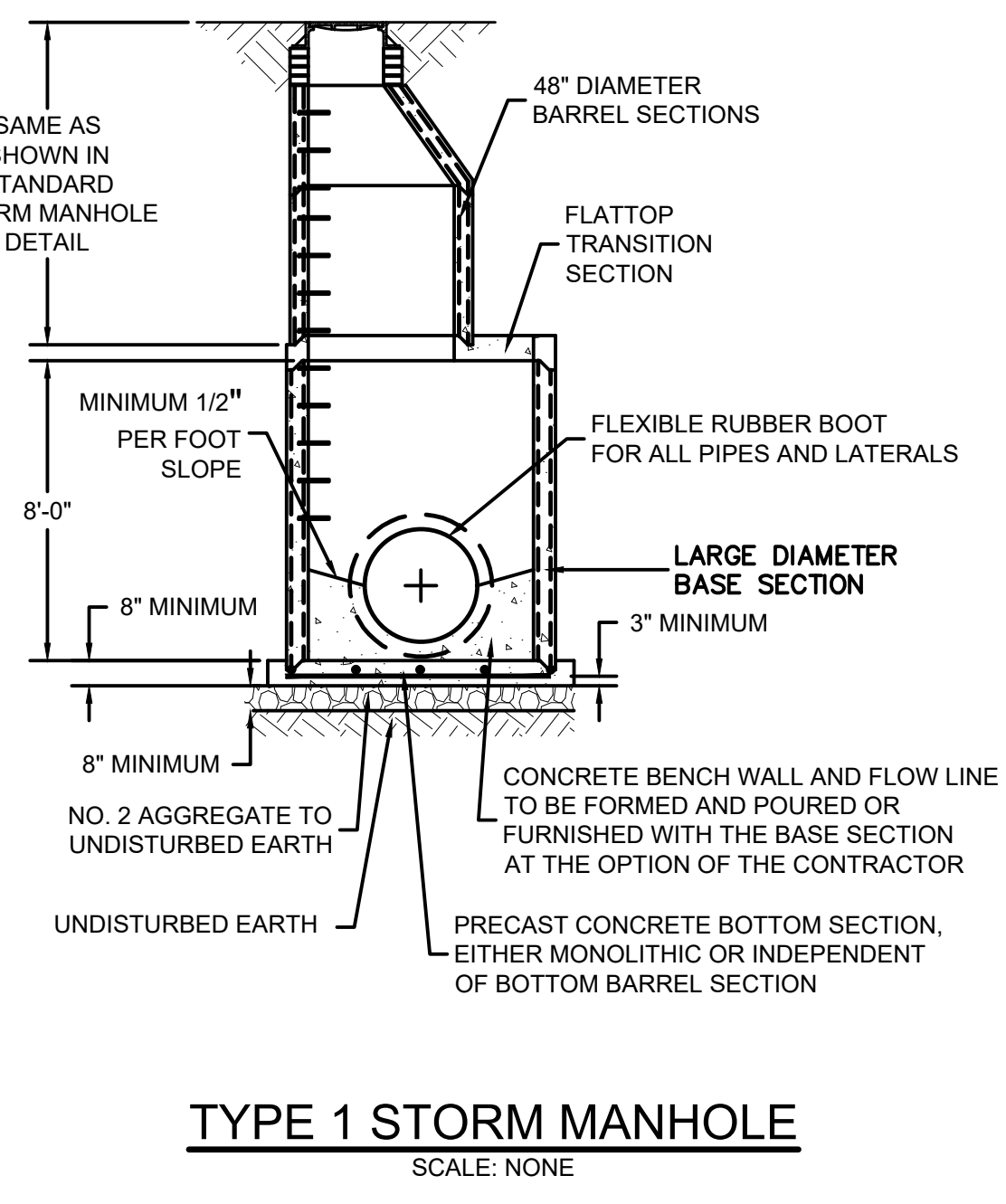
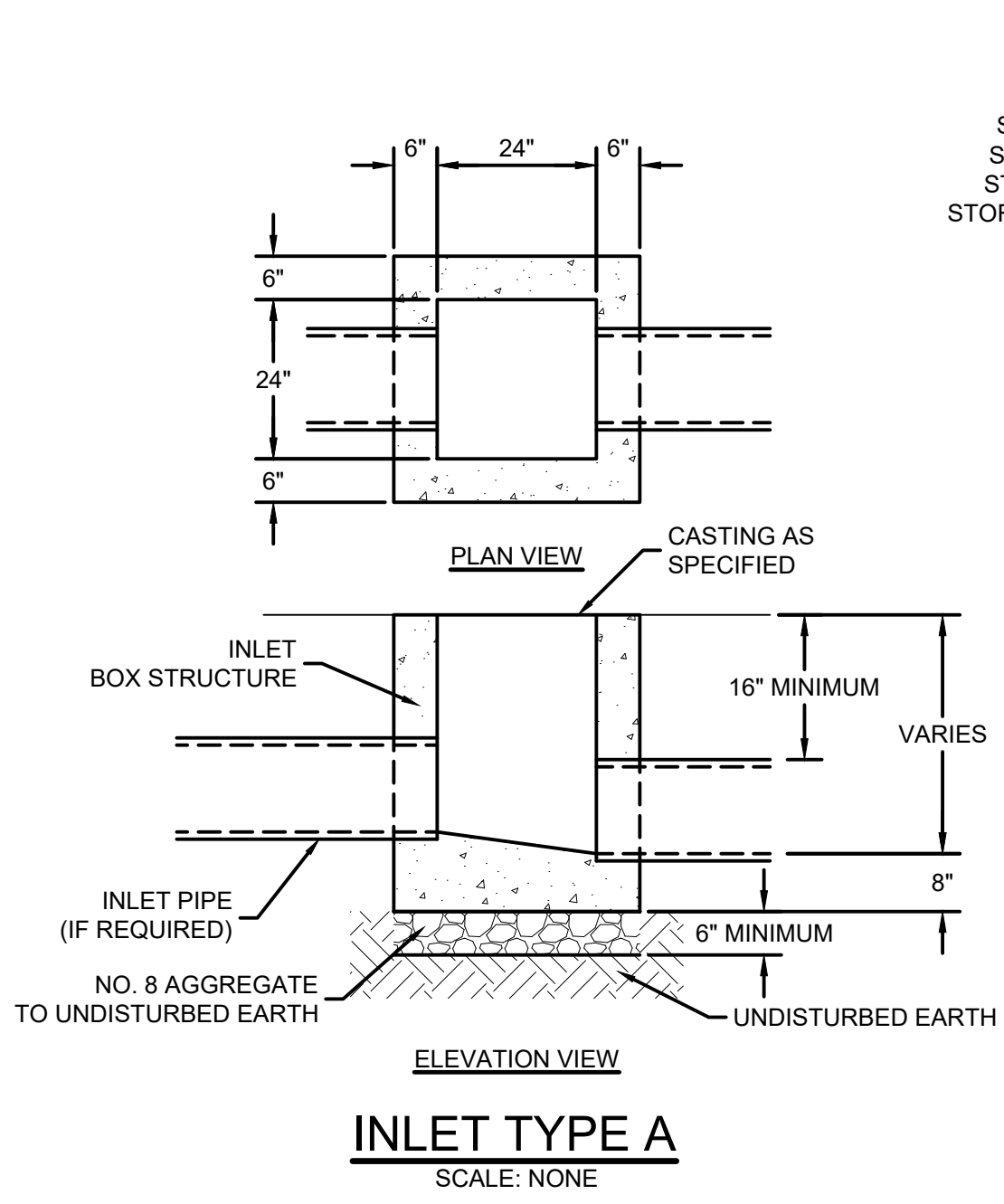
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SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



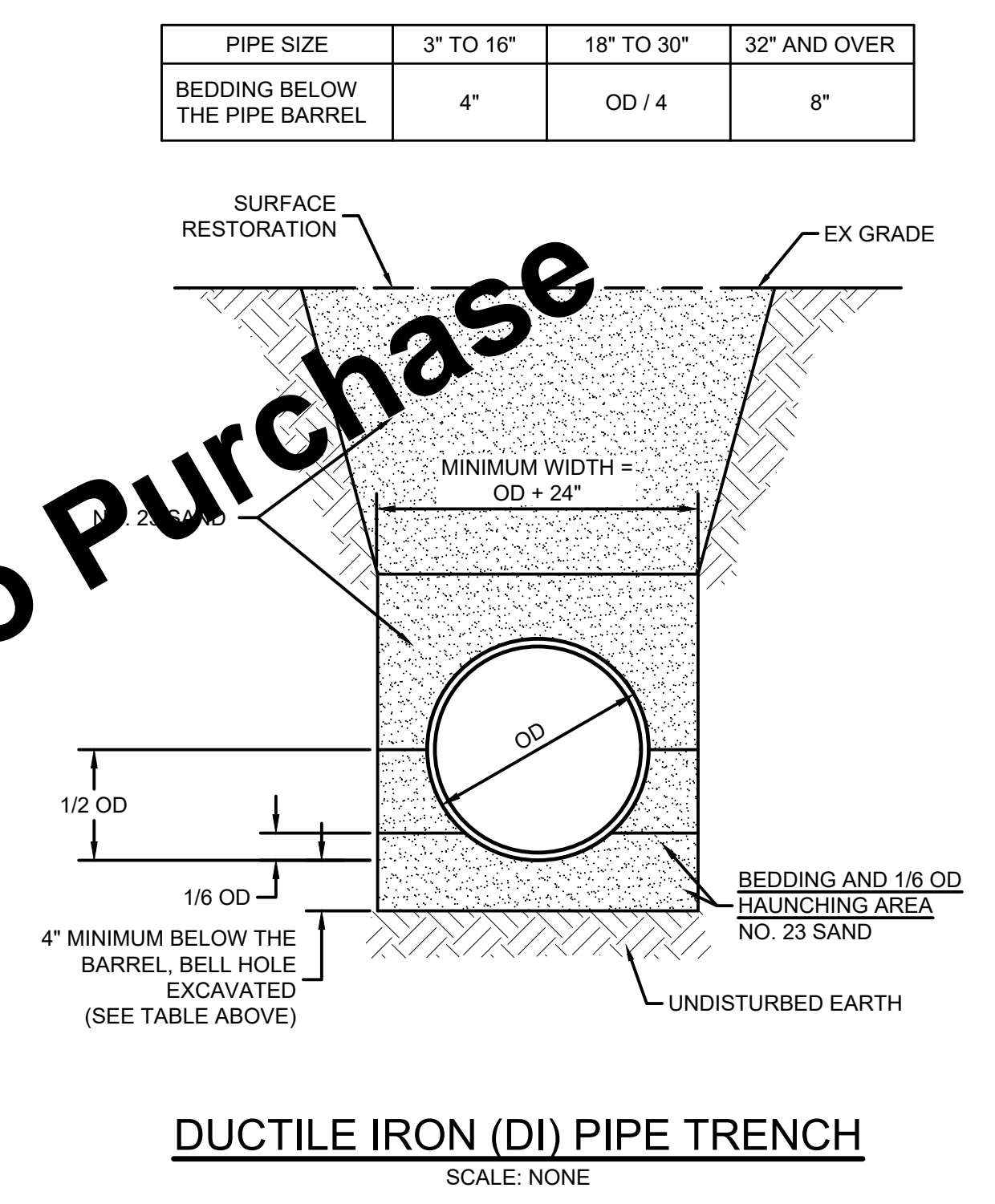
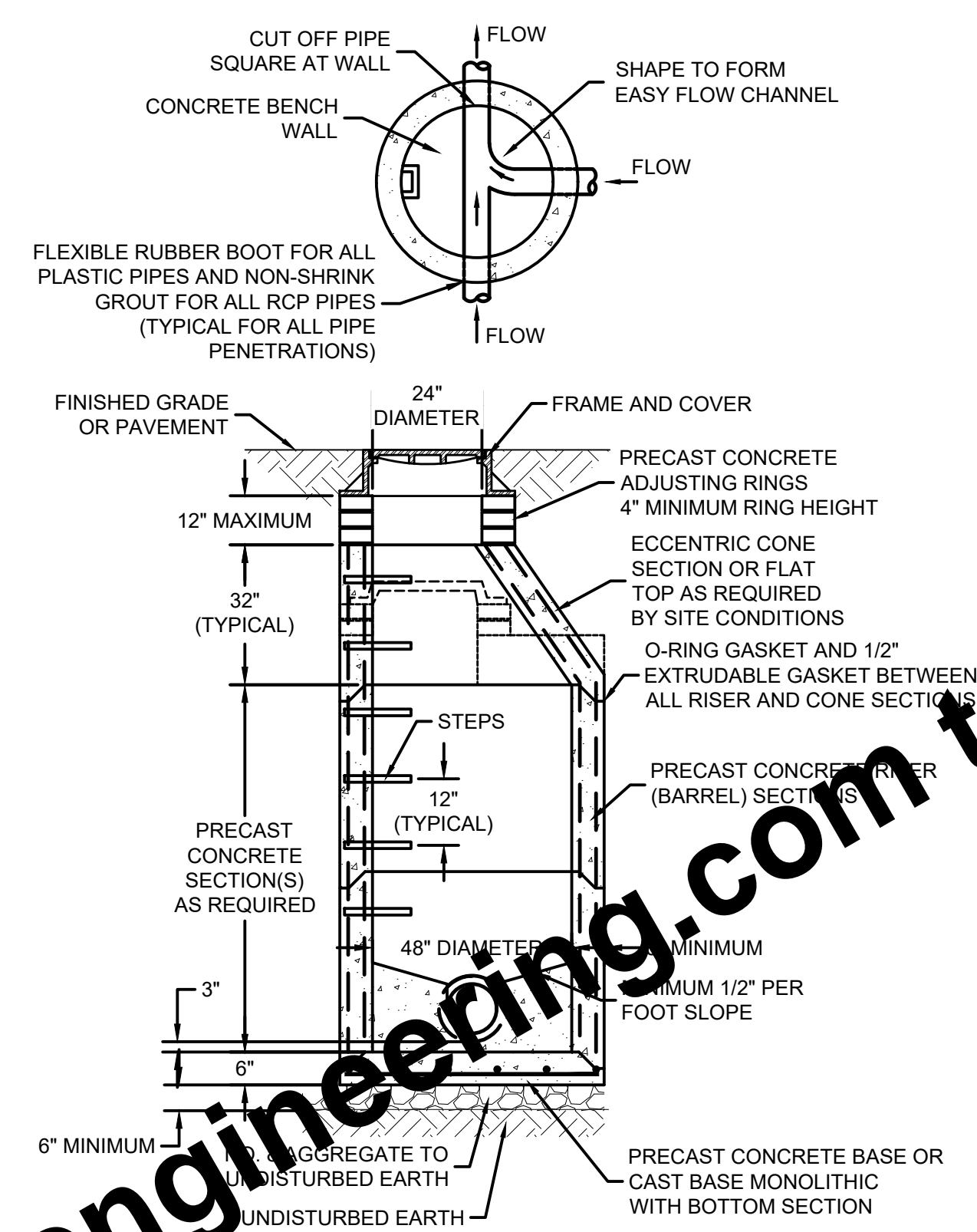
PORTLAND MERIDIAN ST DRAINAGE CITY OF PORTLAND, INDIANA STRUCTURE DATA TABLE	SHEET NO. 19 TOTAL SHEETS 24
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STRUCTURE DATA SCHEDULE		
STRUCTURE DIAMETER	PIPE DIAMETER	APPLICATION
60"	24" TO 33"	HORIZONTAL PIPE DEFLECTION GREATER THAN 45° UP TO 90°
60"	27" TO 36"	HORIZONTAL PIPE DEFLECTION STRAIGHT THRU MANHOLE UP TO 45°
72"	36"	HORIZONTAL PIPE DEFLECTION GREATER THAN 45° UP TO 90°
72"	42" TO 48"	HORIZONTAL PIPE DEFLECTION STRAIGHT THRU MANHOLE UP TO 45°
84"	42"	HORIZONTAL PIPE DEFLECTION GREATER THAN 45° UP TO 90°
96"	48"	HORIZONTAL PIPE DEFLECTION GREATER THAN 45° UP TO 90°

TYPE 1 STRUCTURE DATA SCHEDULE
SCALE: NONE



INLET TYPE J

GENERAL NOTES

- Brick, block, or concrete may be used.
- T = 8" for brick structure
T = 6" for segmental block structure
- In special cases or where inlet pipe is required, A₁, B₁, A₂, and B₂ shall be increased or decreased 1'-0", as directed.
- 2" dia. pipe drain from bottom of curb to inlet. Aggregate to be placed around top of pipe.
- 3" dia. pipe to be kept open to drainage of subgrade or base if pipe is placed.

REINFORCED CONCRETE PIPE (RCP) TRENCH
SCALE: NONE

FLEXIBLE (HDPE, PP, PVC) PIPE TRENCH
SCALE: NONE

INDIANA DEPARTMENT OF TRANSPORTATION

INLET TYPE J

SEPTEMBER 2008

STANDARD DRAWING NO. E 720- INST-06

/s/ Richard L. VanCleave 09/02/08
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/02/08
CHIEF HIGHWAY ENGINEER DATE

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SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	RLS				
	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				

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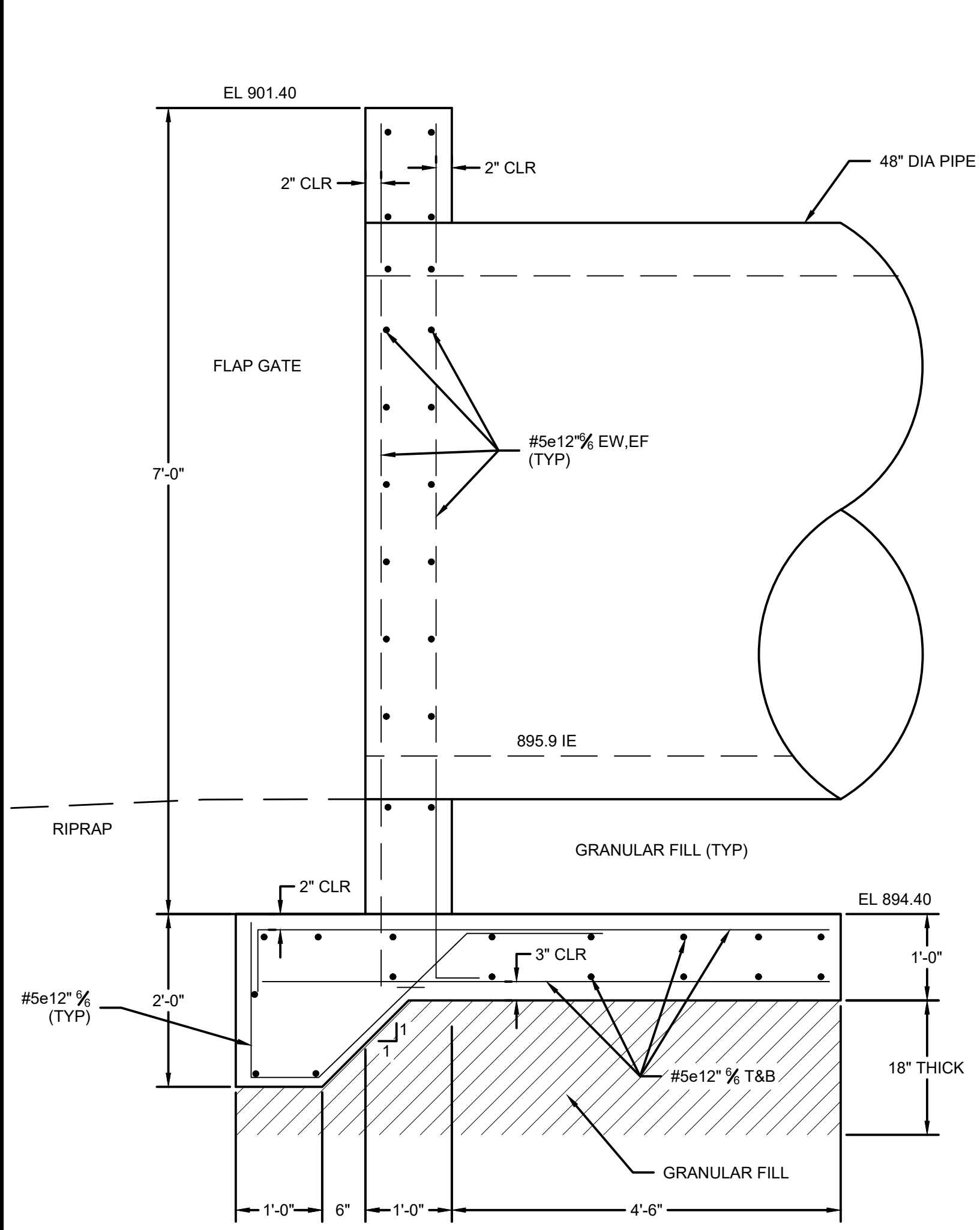
PORTLAND MERIDIAN ST DRAINAGE

CITY OF PORTLAND, INDIANA

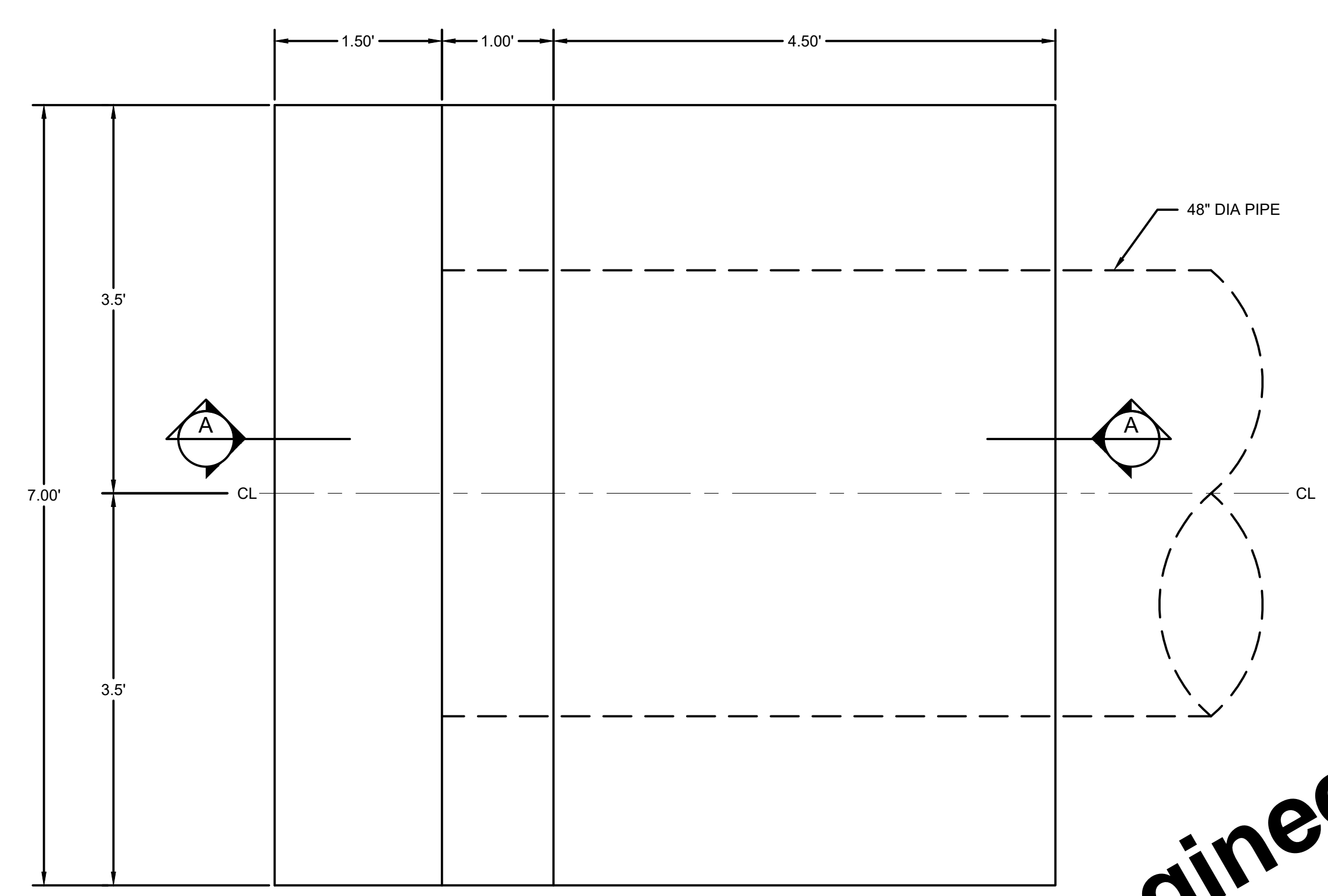
MISCELLANEOUS DETAILS

SHEET NO.	20
TOTAL SHEETS	24

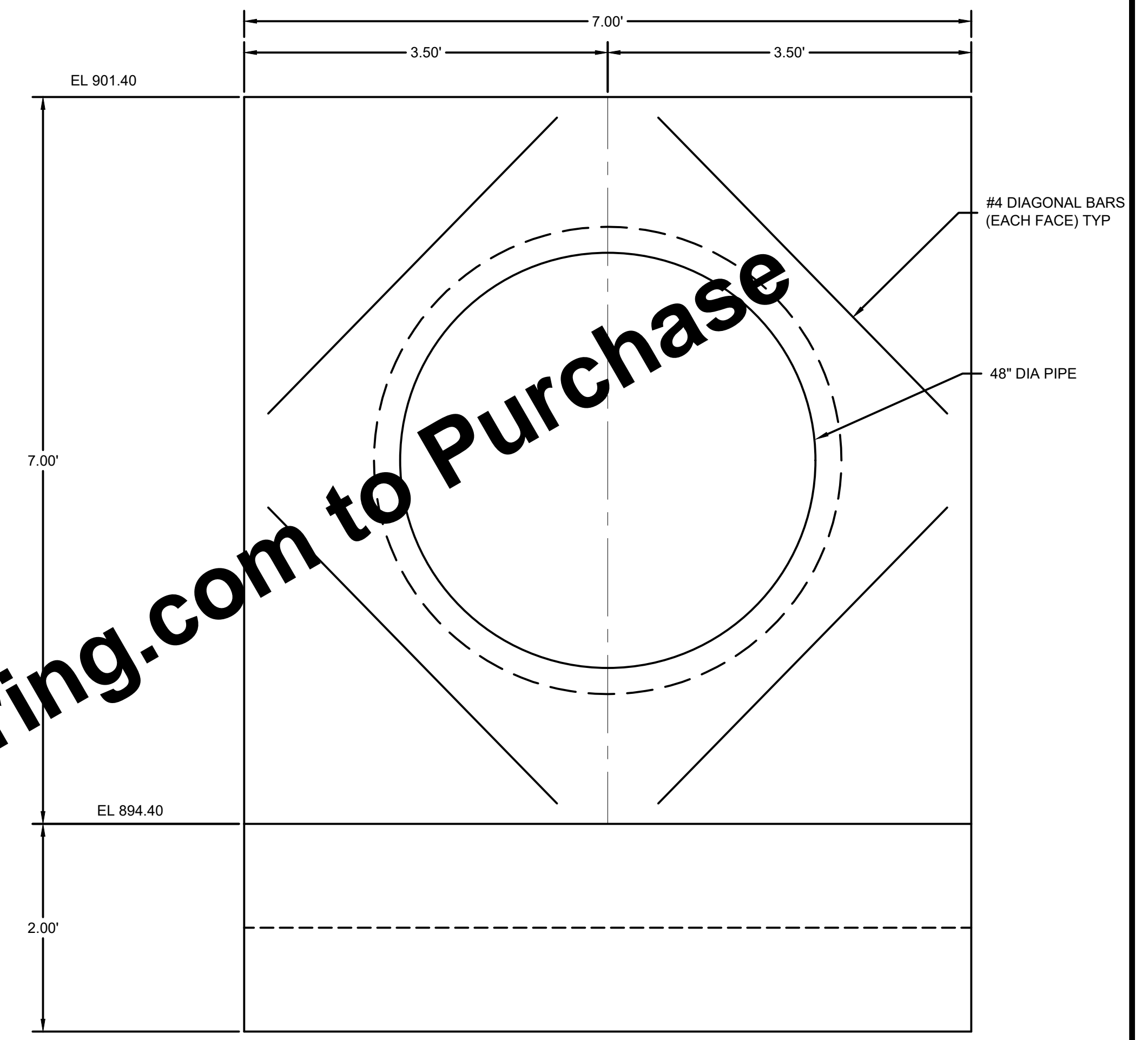
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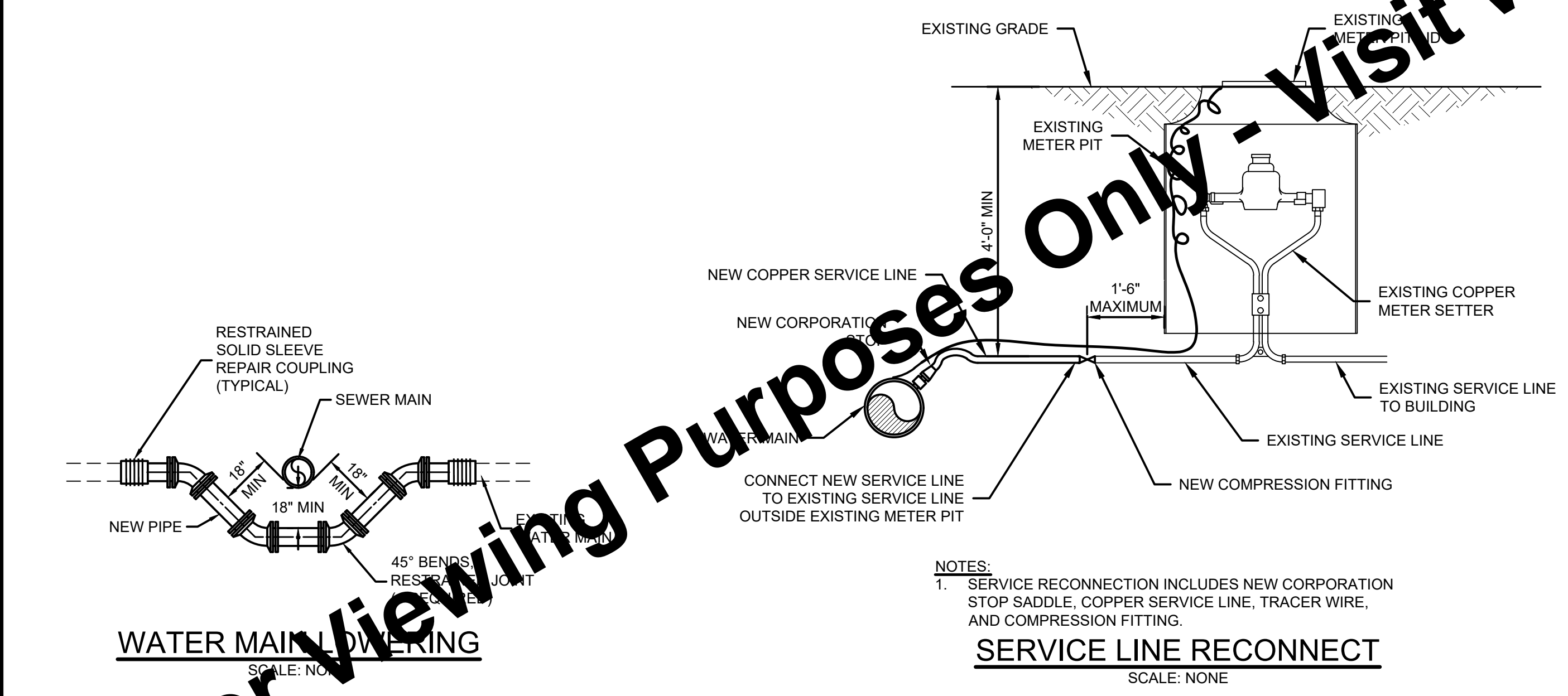
SECTION A
SCALE: NONE



**HEADWALL
PLAN VIEW**
SCALE: NONE

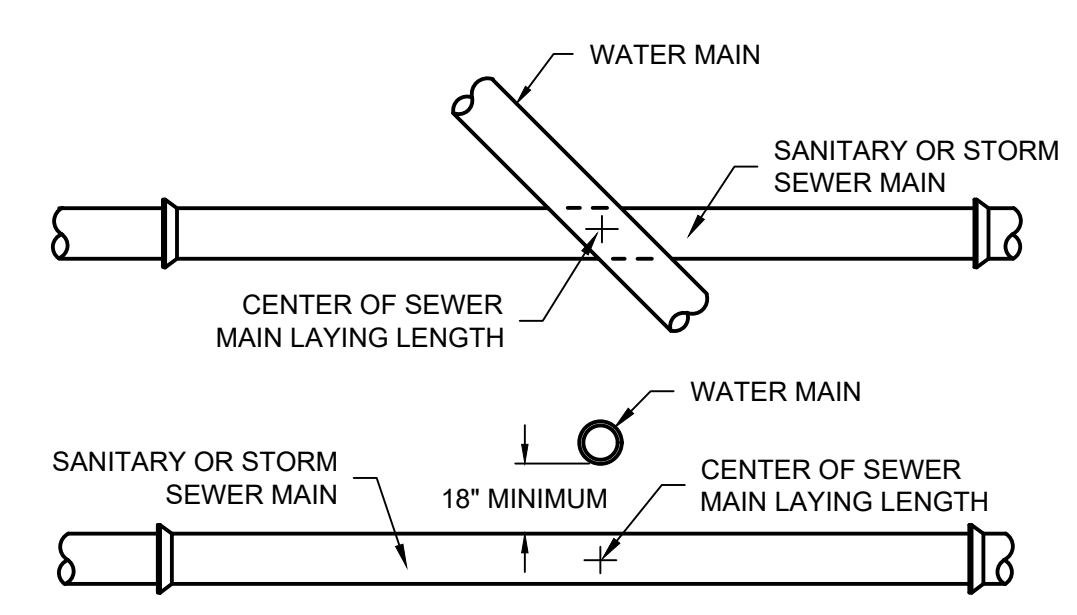


FRONT FACE ELEV
SCALE: NONE



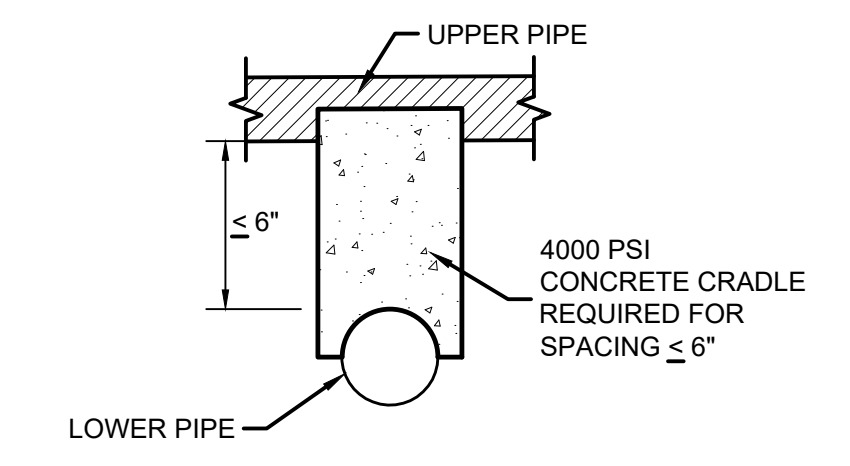
WATER MAIN LOWERING
SCALE: NONE

SERVICE LINE RECONNECT
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.

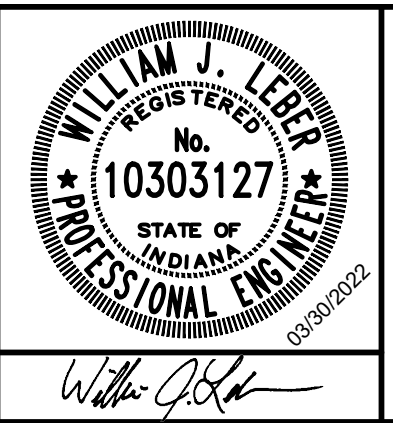
MINIMUM CROSSOVER AND SEPARATION REQUIREMENTS FOR SEWER AND WATER MAINS
SCALE: NONE



NOTES:
1. IF THE EXISTING PIPE IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE OWNER OR ENGINEER, THE CONTRACTOR SHALL REPAIR THE PIPE PRIOR TO CONCRETE CRADLE PLACEMENT.

CONCRETE CRADLE
SCALE: NONE

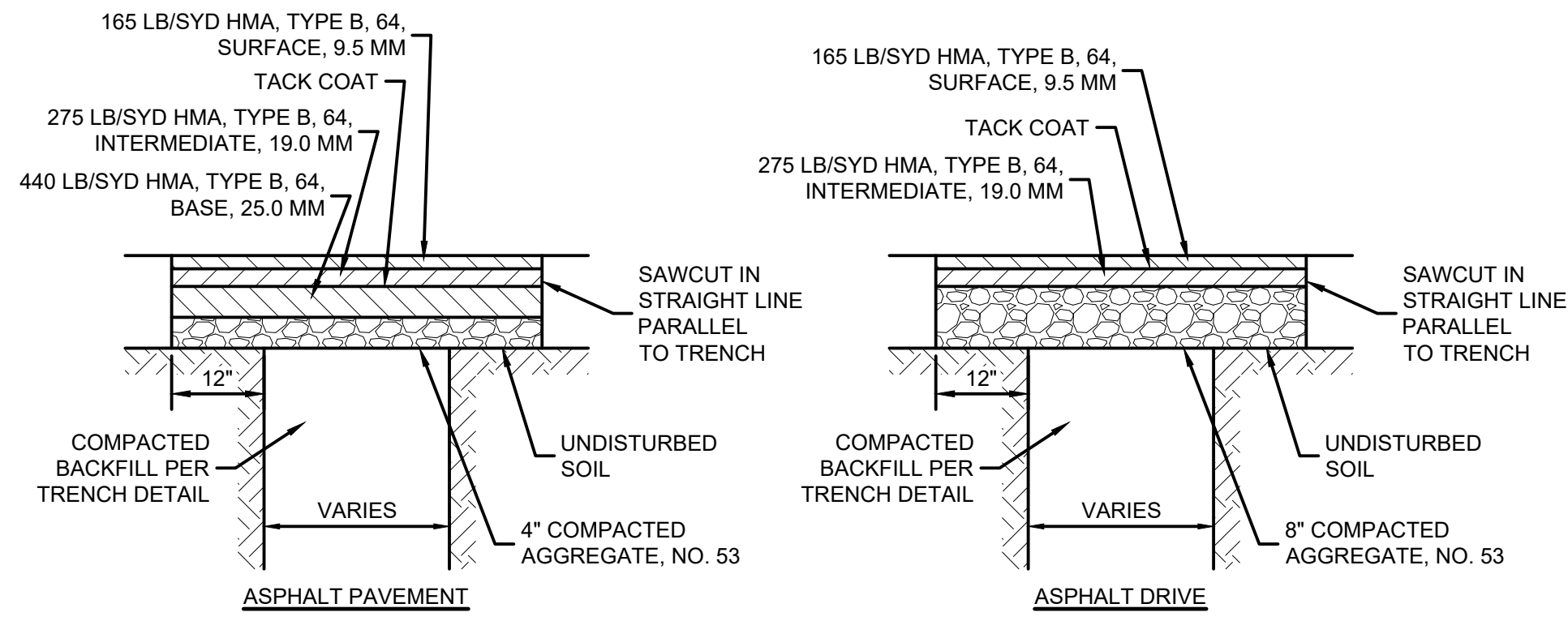
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	APPROVED BY	WJL				
	ISSUE DATE	MARCH 2022				
	PROJECT NUMBER	228120-04-001				



PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA

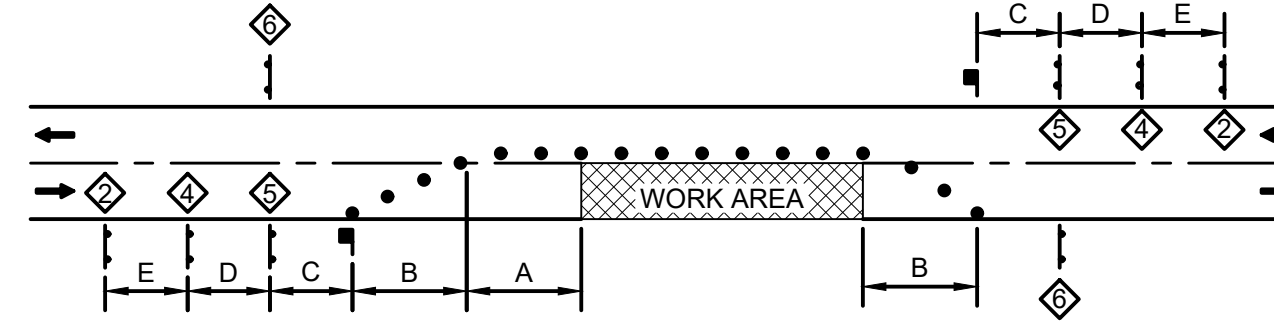
MISCELLANEOUS DETAILS

SHEET NO.	21
TOTAL SHEETS	24

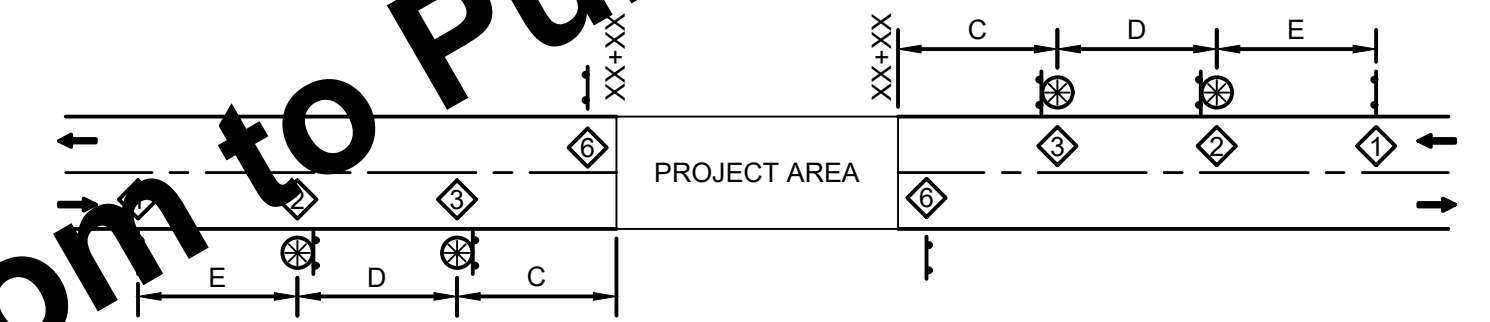


NOTE:
 1. TO SPECIFIER: HMA, TYPE B RELATES TO AN EQUIVALENT SINGLE AXLE LOAD (ESAL) OF <3,000,000, AVERAGE ANNUAL DAILY TRAFFIC (AADT) OF <15,000, AND AVERAGE ANNUAL DAILY TRUCK TRAFFIC (AADTT) OF <1,700. IF THE PROJECT EXPERIENCES CONDITIONS OUTSIDE THESE PARAMETERS, A TYPE C OR TYPE D HMA MAY BE REQUIRED.

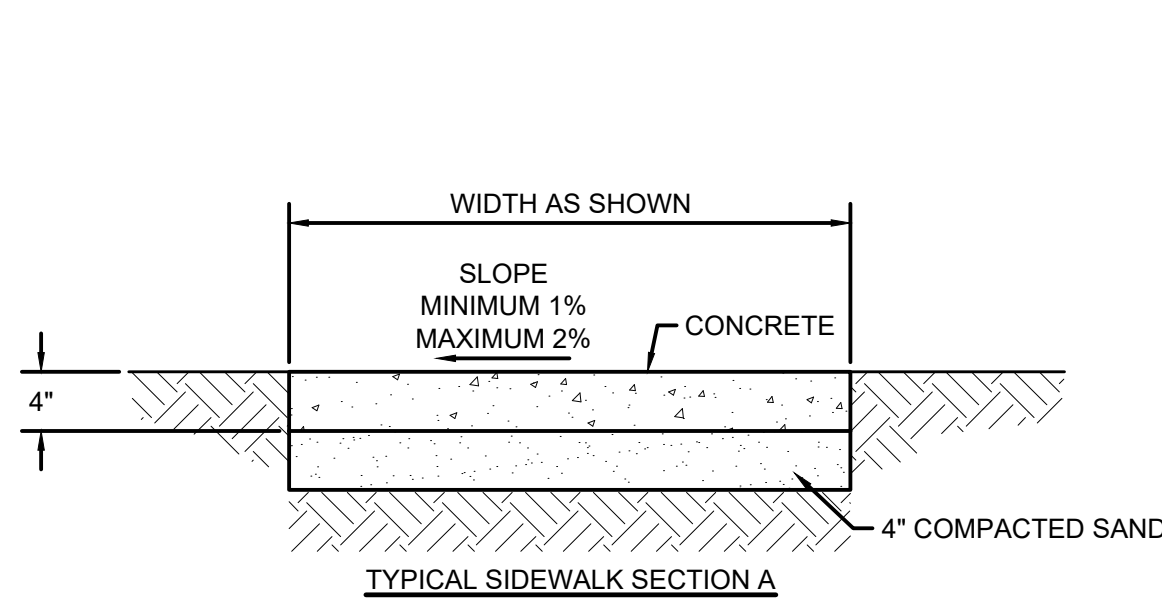
PAVEMENT REPAIR
 SCALE: NONE



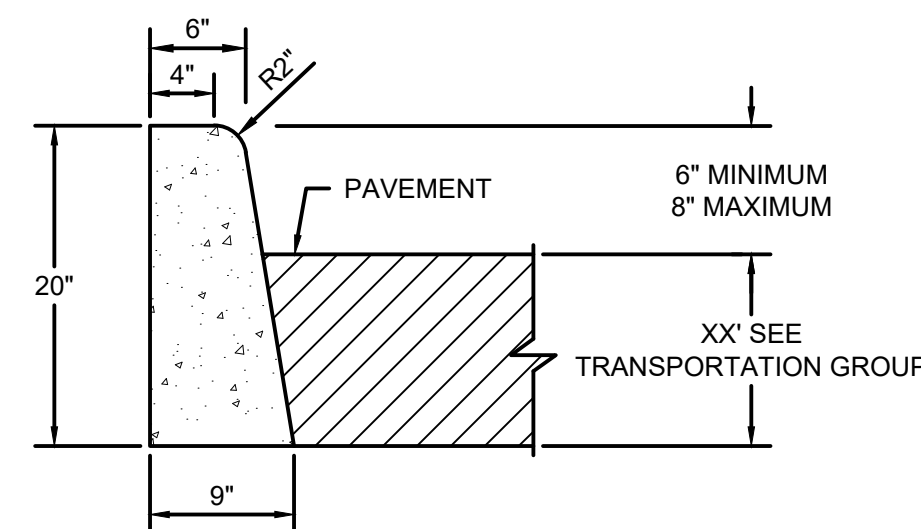
TEMPORARY FLAGGER OPERATION
 SCALE: NONE



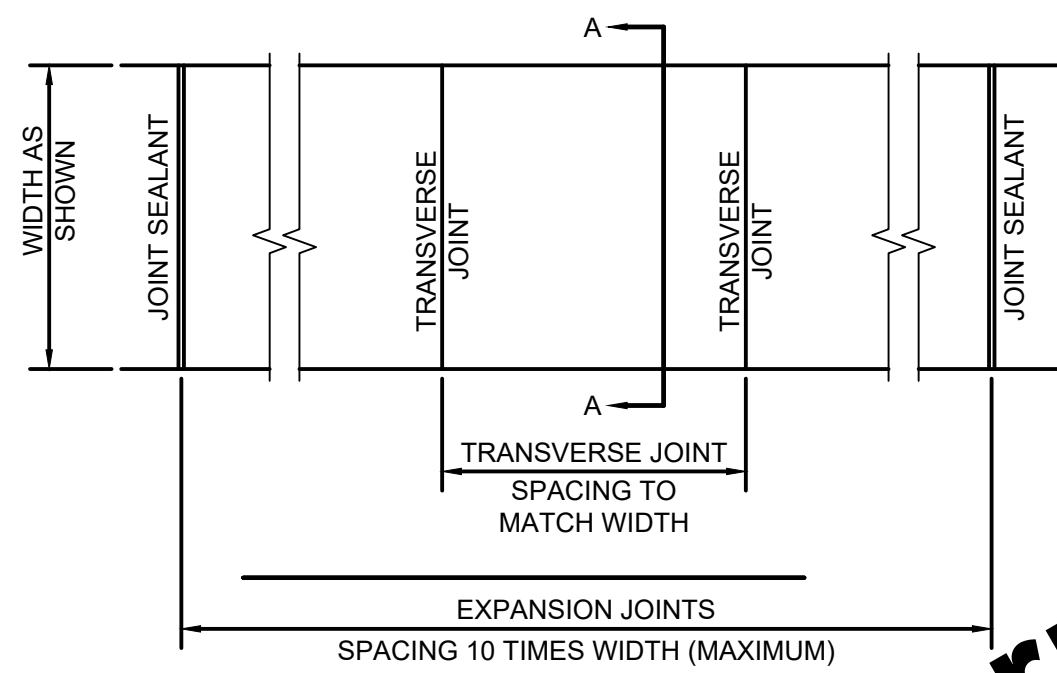
CONSTRUCTION SIGN PLACEMENT
 SCALE: NONE



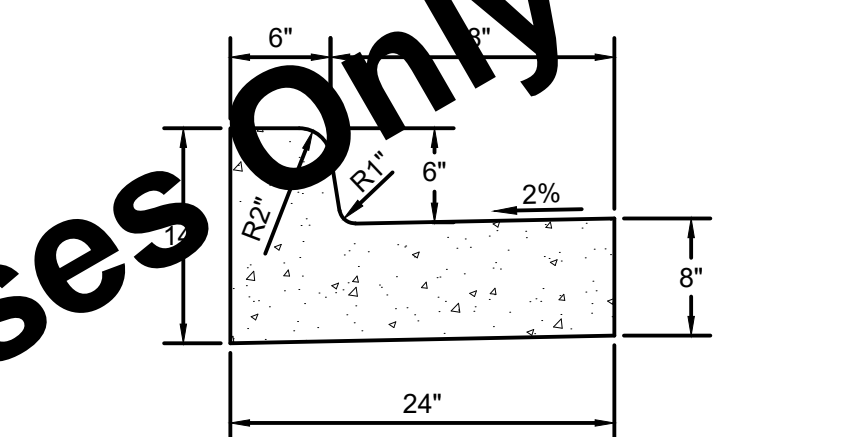
TYPICAL SIDEWALK SECTION A



CONCRETE CURB
 SCALE: NONE



CONCRETE SIDEWALK
 SCALE: NONE



CONCRETE CURB AND GUTTER
 SCALE: NONE

- | | PHASE I QUANTITY | PHASE II QUANTITY |
|--|------------------|-------------------|
| WORK AREA(S) | | |
| TYPE A CONSTRUCTION WARNING LIGHT | | |
| WORK STOPPED PENALTY (G20-7) ONLY FOR INDOT ROADS | | |
| ROAD WORK AHEAD (W20-1) OR "UTILITY WORK AHEAD" (W21-7) | XX EA | XX EA |
| ROAD WORK - XXX FT (W20-1) | XX EA | XX EA |
| "ONE LANE ROAD AHEAD" (W20-4) | XX EA | XX EA |
| FLAGGER SIGN (W20-7) | XX EA | XX EA |
| "END ROAD WORK" (G20-2) | XX EA | XX EA |
| BARRICADE TYPE IIIB | XX FT | XX FT |
| TRAFFIC CONTROL DRUM | | |
| TRAFFIC FLOW DIRECTION | | |
| ROAD CLOSURE SIGN ASSEMBLY, INCLUDES R11-2, BARRICADE TYPE IIIB, AND TYPE B CONSTRUCTION WARNING LIGHT | XX EA | XX EA |
| UNDISTRIBUTED COMPACTED AGGREGATE, NO. 53, TEMPORARY FOR ACCESS | XX TON | XX TON |
| TEMPORARY PAVEMENT MARKING, REMOVABLE, SOLID, 4" (YELLOW) | XX LF | XX LF |
| TEMPORARY PAVEMENT MARKING, REMOVABLE, SOLID, 4" (WHITE) | XX LF | XX LF |
| TEMPORARY PAVEMENT MARKING, PAINT, SOLID, 4" (YELLOW) | XX LF | XX LF |
| TEMPORARY PAVEMENT MARKING, PAINT, SOLID, 4" (WHITE) | XX LF | XX LF |
| REMOVAL OF LINE | XX LF | XX LF |
| FLAGGER | | |
| SIGN, FACING LEFT | | |
| SIGN, FACING RIGHT | | |

TRAFFIC CONTROL LEGEND
 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

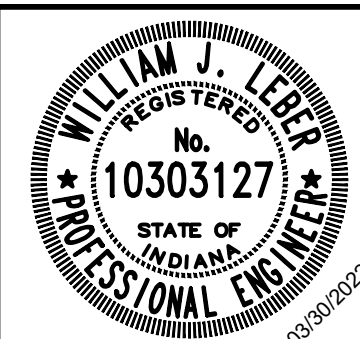
NOTES:
 1. DISTANCES SHOWN ARE APPROXIMATE. ADJUST SIGN FOR CURVES, HILLS, INTERSECTIONS, DRIVEWAYS, ETC TO IMPROVE SIGN VISIBILITY.
 2. THE SPACING OF CHANNELIZING DEVICES SHOULD BE A DISTANCE IN FEET EQUAL TO THE SPEED LIMIT IN MPH WHEN USED FOR TAPER CHANNELIZATION, AND A DISTANCE IN FEET EQUAL TO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

ADVANCE WARNING SIGN AND FLAGGER OPERATION SPACING
 SCALE: NONE

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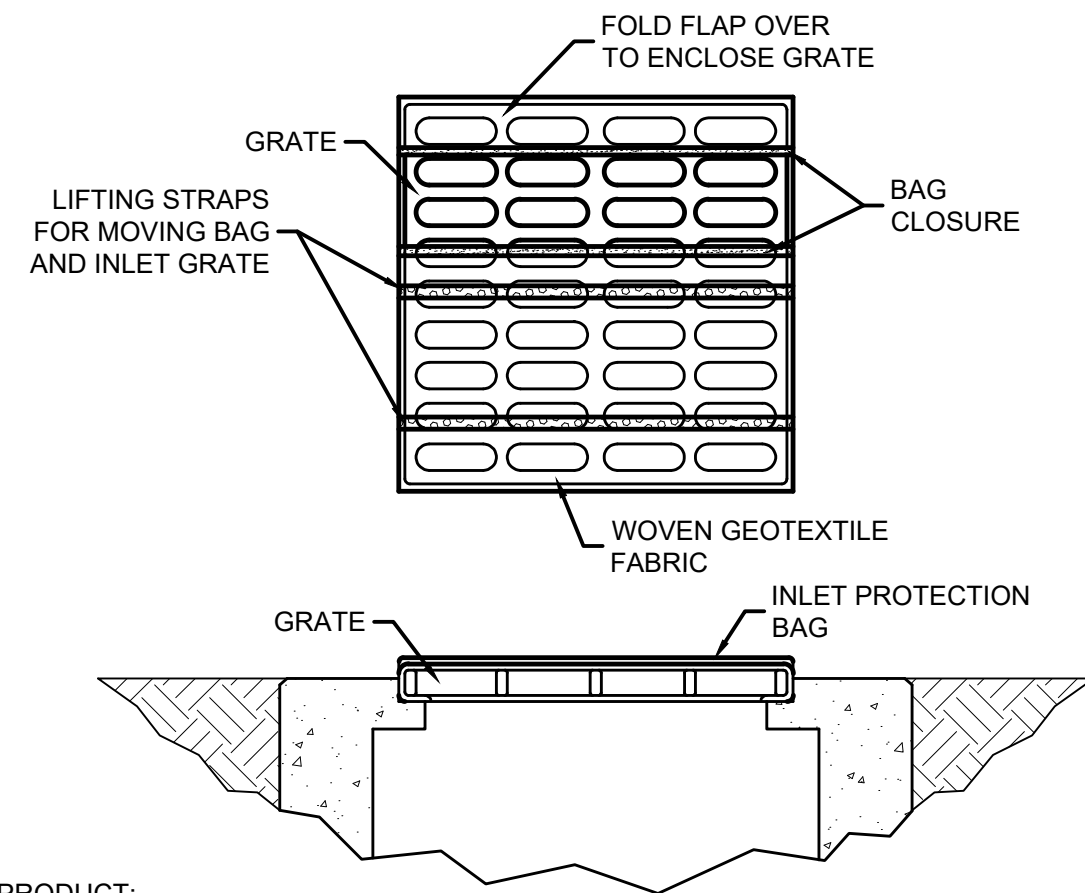
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SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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PORTLAND MERIDIAN ST DRAINAGE
 CITY OF PORTLAND, INDIANA
MISCELLANEOUS DETAILS

SHEET NO.
22
 TOTAL SHEETS
24

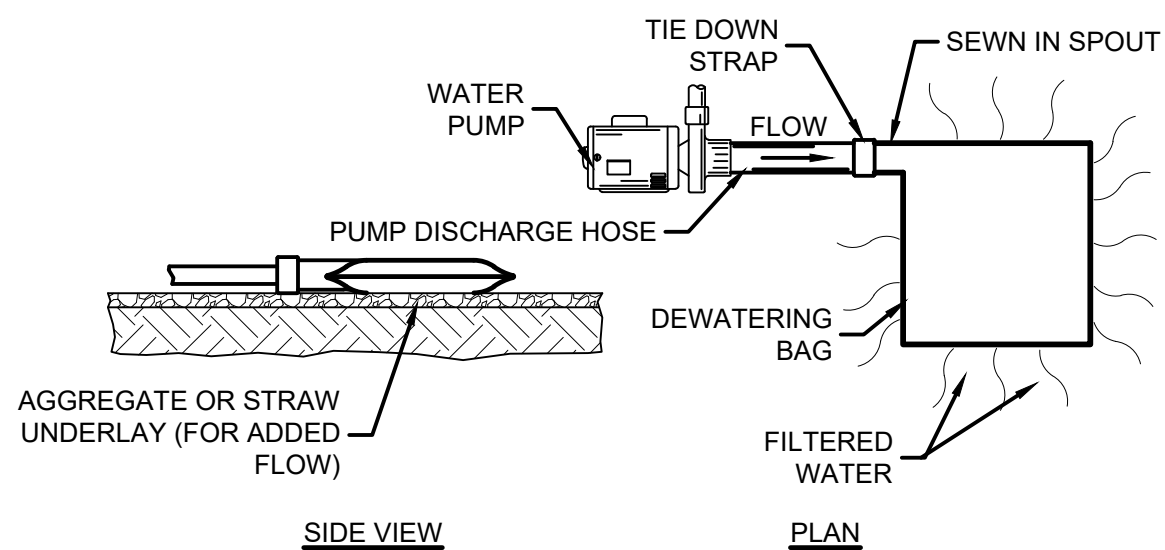


PRODUCT:
1. DANDY BAG, OR APPROVED EQUAL.

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

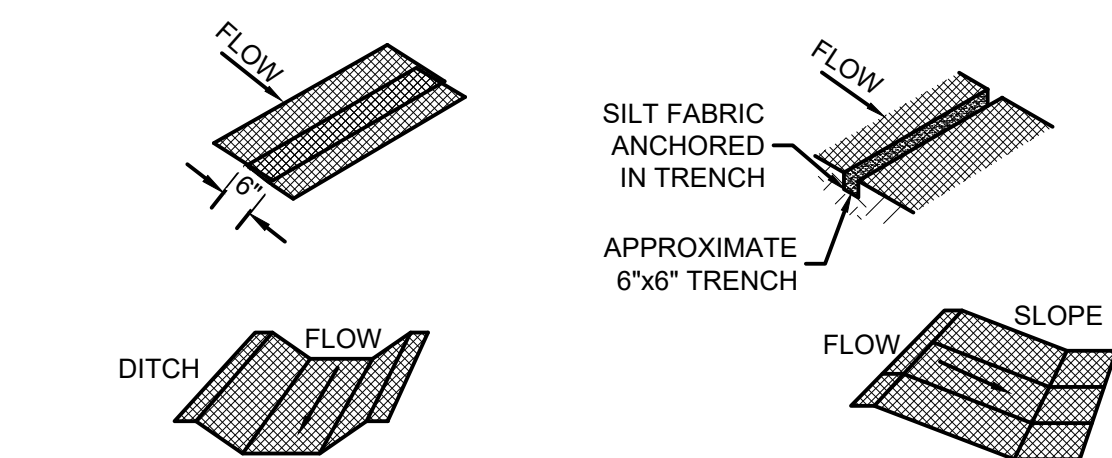
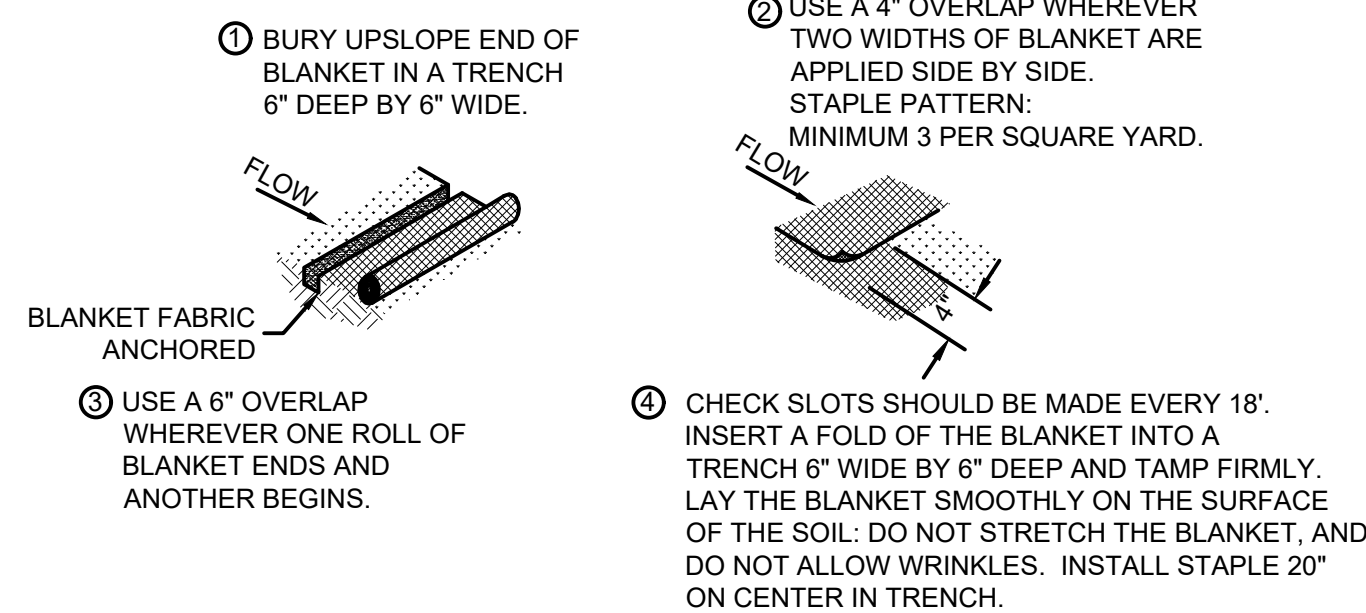


MECHANICAL PROPERTIES	TEST METHOD	UNITS	INDUSTRY STANDARD
GRAB TENSILE STRENGTH	ASTM D4632	kN (LB)	0.9 (205) X 0.9 (205)
GRAB TENSILE ELONGATION	ASTM D4632	%	50 X 50
PUNCTURE STRENGTH	ASTM D4833	kN (LB)	0.58 (130)
MULLEN BURST STRENGTH	ASTM D3786	kPa (PSI)	2618 (380)
TRAPEZOID TEAR STRENGTH	ASTM D4533	kN (LB)	0.36 (80) X 0.36 (80)
UV RESISTANCE	ASTM D4355	%	
APPARENT OPENING SIZE	ASTM D4751	Mm (US STD SIEVE)	0.85 (80)
FLOW RATE	ASTM D4491	1/MIN/M ² (GAL/MIN/FT ²)	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 BAG WHEN HALF FULL OF SEDIMENT OR WHEN SEDIMENT HAS REDUCED THE FLOW RATE TO AN IMPRACTICABLE LEVEL.

SOURCE:
KRISTAR
DANDY DEWATERING BAG
SEDCATCH

PUMPING BAG
SCALE: NONE



PLACE BLANKET PARALLEL TO THE DIRECTION OF FLOW. DO NOT JOIN STRIPS IN THE CENTER OF THE DITCH. USE CHECK SLOTS AS REQUIRED.

PLACE BLANKET PARALLEL TO THE DIRECTION OF FLOW AND ANCHOR SECURELY. BRING BLANKET TO A LEVEL AREA BEFORE TERMINATING THE INSTALLATION.

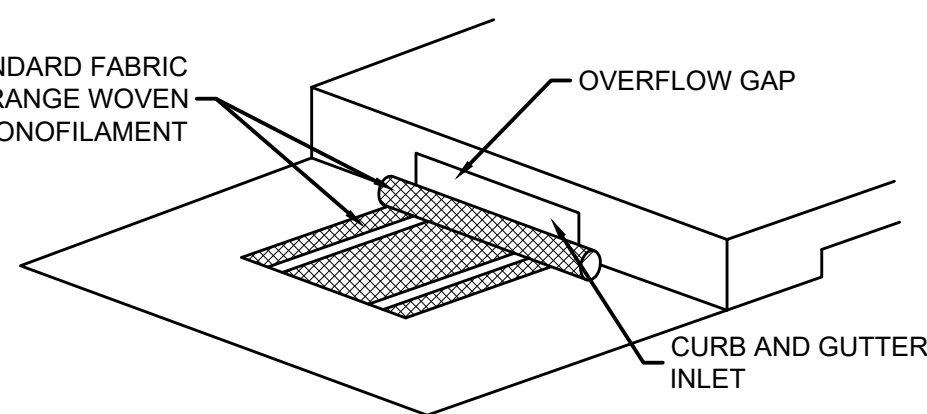
PRODUCT:
1. NORTH AMERICAN GREEN SC150, OR EQUAL.

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

MAINTENANCE:
1. INSPECT FOR EROSION AFTER EACH STORM EVENT DURING CONSTRUCTION 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

NOTE:
INLET PROTECTION BAG SHALL BE USED ON ALL INLETS WITHIN THE PROJECT VICINITY.



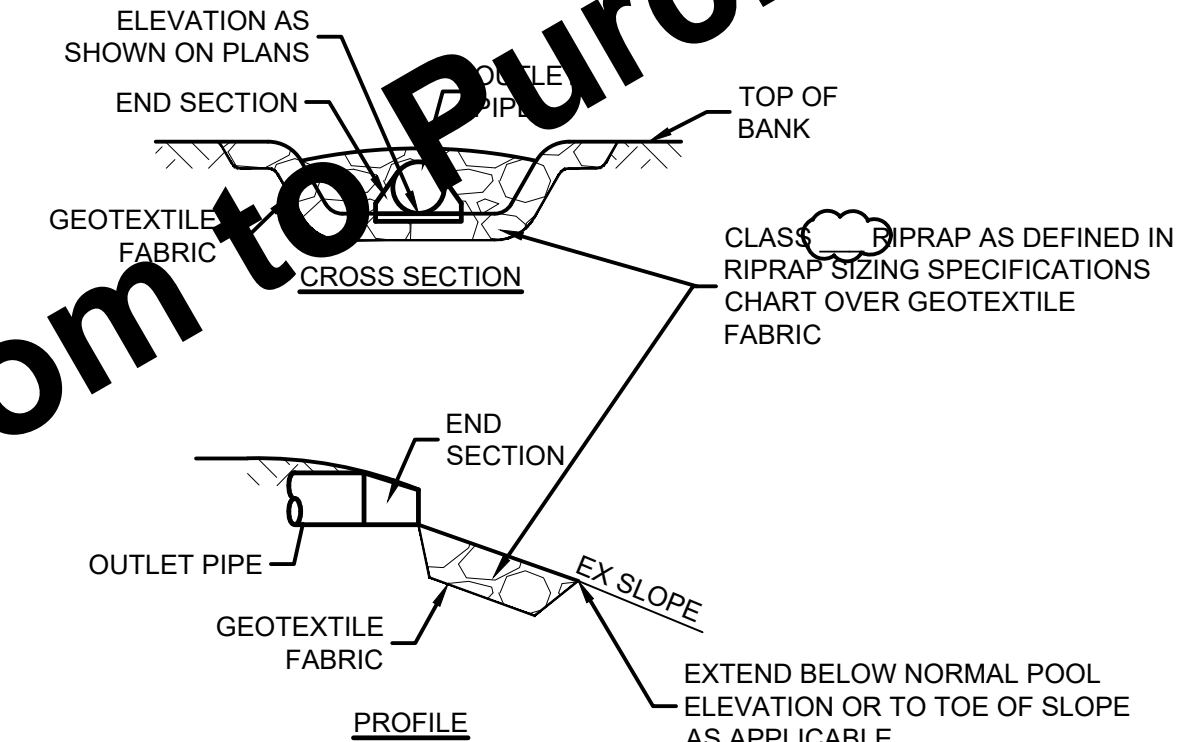
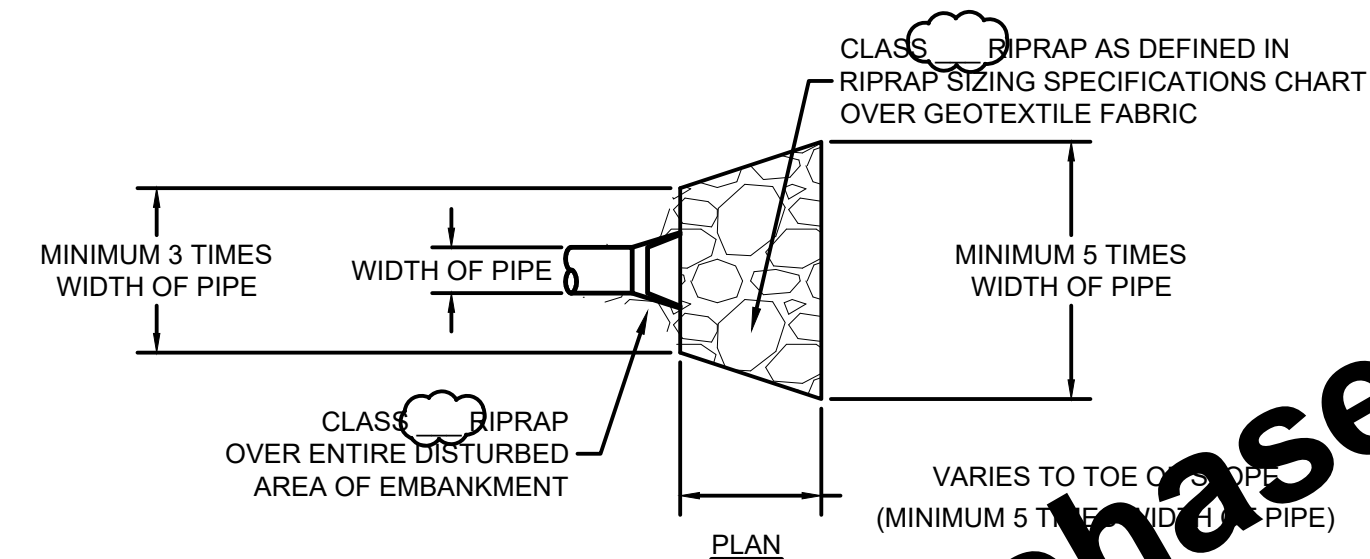
DESIGN CONFORMS TO ALL SHAPES OF CONCRETE CURBS

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 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



NOTES:
1. EXCAVATE THE APRON AREA BELOW THE DESIGN ELEVATION TO ALLOW FOR THE THICKNESS OF THE GEOTEXTILE FABRIC AND RIPRAP.
2. COMPACT ANY FILL USED IN THE SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL AND SMOOTH ENOUGH TO KEEP THE FABRIC FROM TEARING.
3. PLACE THE GEOTEXTILE FABRIC ON A COMPACTED AND SMOOTHED FOUNDATION. IF MORE THAN ONE PIECE OF MATERIAL IS NEEDED, THE UPSTREAM PIECE SHALL OVERLAP THE DOWNSTREAM PIECE BY A MINIMUM OF 1'.
4. INSTALL THE RIPRAP TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS. THE GEOTEXTILE FABRIC AND RIPRAP SHALL EXTEND TO THE TOP OF THE BANK. THE RIPRAP MUST EXTEND BELOW THE NORMAL POOL ELEVATION OF ANY RECEIVING BODY OF WATER, OR EXTENDED TO THE TOE OF SLOPE.
5. BLEND THE RIPRAP SMOOTHLY TO THE SURROUNDING GRADE. STABILIZE ALL DISTURBED AREAS IMMEDIATELY FOLLOWING INSTALLATION.
6. PLACE AGGREGATE OR TURF REINFORCEMENT MAT AROUND END OF DRAIN PIPE TO PREVENT SLOPE EROSION AND UNDERCUTTING OF THE PIPE.

MAINTENANCE:
1. DURING THE CONSTRUCTION PHASE, INSPECT AFTER EACH STORM EVENT AND AT LEAST ONCE EVERY 7 CALENDAR DAYS FOR AGGREGATE DISPLACEMENT AND FOR EROSION ALONG THE SIDES AND ENDS OF THE APRON.
2. MAKE REQUIRED REPAIRS IMMEDIATELY; USE APPROPRIATE SIZE AGGREGATE, AND DO NOT PLACE AGGREGATE ABOVE FINISHED GRADE.

RIPRAP PIPE OUTLET PROTECTION
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											
TEMPORARY SEEDING												
SODDING												
MULCHING												

A = KENTUCKY BLUEGRASS 40 LB/ACRE
B = KENTUCKY BLUEGRASS 210 LB/ACRE
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)

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.

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, FERTILIZE OR APPLY MULCH WHERE NECESSARY.

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	228120-04-001					

Professional Engineer Seal for William J. Wessler, State of Indiana, No. 10303127, dated 03/24/2022.

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PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA

EROSION CONTROL DETAILS

SHEET NO.
23

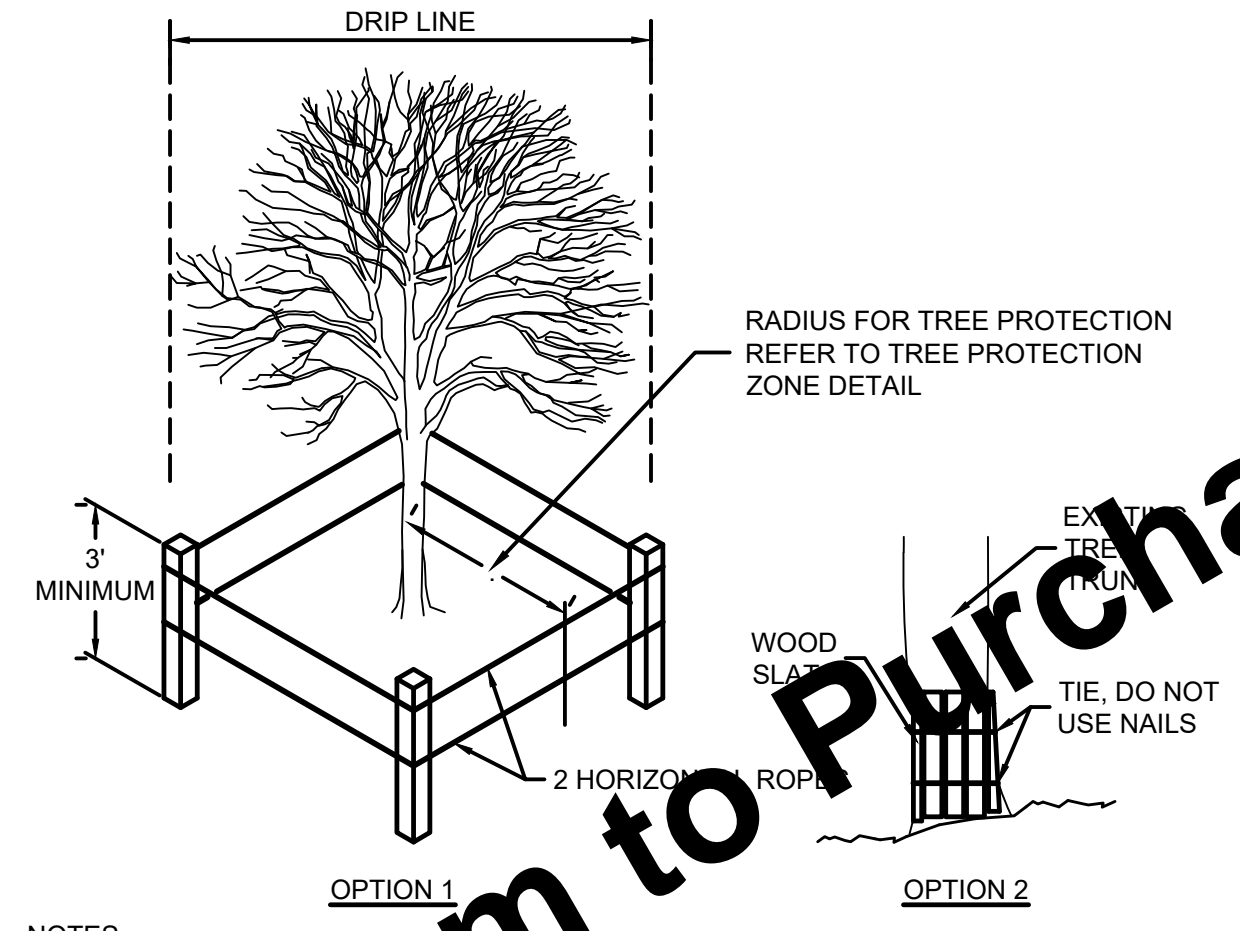
TOTAL SHEETS
24

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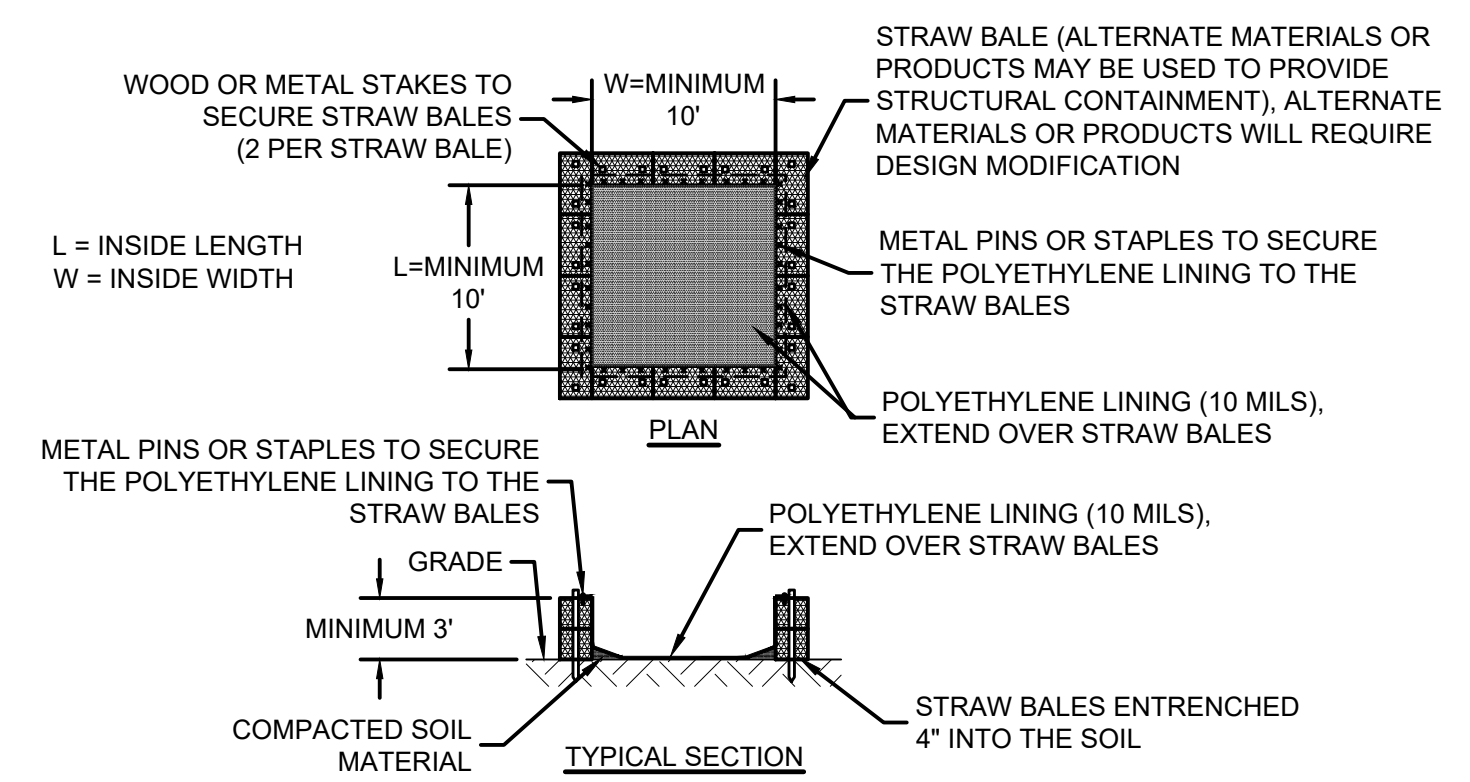
EROSION CONTROL SCHEDULE	
CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
<p>PRECONSTRUCTION ACTIVITIES: POST THE FOLLOWING INFORMATION NEAR THE MAIN ENTRANCE OF THE PROJECT SITE OR AT A PUBLICLY ACCESSIBLE LOCATION: NOTICE OF INTENT (NOI) DOCUMENT, COPY OF THE PUBLIC NOTICE, NATIONAL POLLUTION DISCHARGE 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).</p> <p>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.</p>	<p>AUTHORIZATION UNDER THE CSGP IS EFFECTIVE 48-HOURS AFTER SUBMITTAL OF THE NOTICE OF INTENT TO IDEM AND LOCAL AUTHORITY BY THE OWNER.</p>
<p>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.</p>	<p>COMPLETE BEFORE CONSTRUCTION BEGINS.</p>
<p>CONSTRUCTION ACCESS - ENTRANCE TO SITE, CONSTRUCTION ROUTES, AREAS DESIGNATED FOR EQUIPMENT PARKING OR MATERIAL STAGING AND WASTE HANDLING.</p>	<p>THIS IS THE FIRST LAND-DISTURBING ACTIVITY. AS SOON AS CONSTRUCTION BEGINS, STABILIZE ANY BARE AREAS WITH AGGREGATE AND TEMPORARY VEGETATION.</p>
<p>SEDIMENT TRAPS AND BARRIERS - BASIN TRAPS, SILT FENCE AND PERIMETER PROTECTION.</p>	<p>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.</p>
<p>RUNOFF CONTROL - DIVERSIONS, PERIMETER PROTECTION, CHECK DAMS, OUTLET PROTECTION.</p>	<p>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.</p>
<p>RUNOFF CONVEYANCE SYSTEM - STABILIZE STREAM BANKS, STORM DRAINS, CHANNELS, INLET AND OUTLET PROTECTION, SLOPE DRAINS.</p>	<p>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 DRAINS TO PREVENT EROSION.</p>
<p>LAND CLEARING AND GRADING - SITE PREPARATION (CUTTING, FILLING, AND GRADING, SEDIMENT TRAPS, BARRIERS, DIVERSIONS, DRAINS, SURFACE ROUGHENING).</p>	<p>IMPLEMENT CLEARING AND GRADING, AND INSTALLATION OF SEDIMENT TRAPS AND RUNOFF CONTROL MEASURES. AS NECESSARY, ADDITIONAL CONTROL MEASURES INCLUDING CONTINUOUS CLEAR BORROW AND DEPOSIT AREAS AS NEEDED.</p>
<p>SURFACE STABILIZATION - TEMPORARY AND PERMANENT SEEDING, MULCHING, SODDING, RIPRAP, EROSION CONTROL BLANKET.</p>	<p>APPLY TEMPORARY OR PERMANENT STABILIZING MEASURES IMMEDIATELY TO ANY DISTURBED AREAS WHEN THE WORK HAS BEEN EITHER COMPLETED OR NEARLY COMPLETED.</p>
<p>CONSTRUCTION - STRUCTURES, UTILITIES, PAVING, CONCRETE WASHOUT, AND CONSTRUCTION ENTRANCES.</p>	<p>DURING CONSTRUCTION, INSTALL ANY EROSION AND SEDIMENTATION CONTROL MEASURES THAT ARE NEEDED.</p>
<p>LANDSCAPING AND FINAL STABILIZATION - TOPSOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SODDING, RIPRAP.</p>	<p>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.</p>

EROSION CONTROL SCHEDULE
SCALE: NONE



- NOTES:**
- PROTECT TREES WHICH ARE LOCATED ON THE DRAWINGS DURING EXCAVATION TO PROTECT TREE ROOTS.
 - OPTION 1 SHALL BE THE STANDARD TREE PROTECTION METHOD. MULTIPLE TREES MAY BE PROTECTED BY A SINGLE SET OF PERIMETER ROPES PROVIDED THE APPROPRIATE TREE PROTECTION ZONE IS MAINTAINED FOR EACH TREE.
 - OPTION 2 TREE PROTECTION METHOD MAY BE USED TO PREVENT BARK REMOVAL OR DAMAGE TO THE TRUNK OF THE TREE.
- MAINTENANCE:**
- INSPECT AT LEAST ONCE EVERY 7 CALENDAR DAYS.
 - REPAIR PERIMETER BARRIERS IF DAMAGED.
 - INSPECT FOR DAMAGE FROM CONSTRUCTION ACTIVITIES. REPAIR WOUNDS SIMPLY BY REMOVING DAMAGED BARK AND WOOD TISSUE. DO NOT USE TREE PAINT.
 - CABLE AND BRACE ANY TRUNK SPLITS, WEAK FORKS, AND LARGE LIMBS.

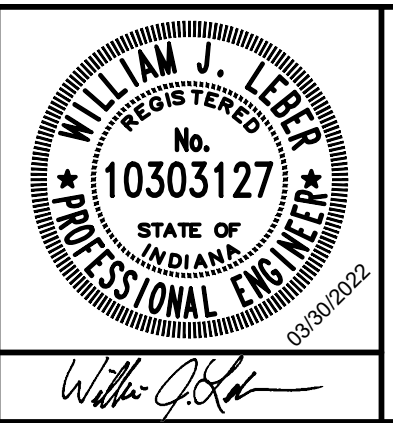
TREE PROTECTION METHODS
SCALE: NONE



- NOTES:**
- LOCATE WASHOUTS AT LEAST 50' FROM ANY CREEKS, WETLANDS, DITCHES, KARST FEATURES, OR STORM DRAIN/CONVEYANCES.
- WASHOUT PROCEDURES:**
- 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.
 - 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.
 - 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 AREA.
 - DO NOT BACK FLUSH EQUIPMENT AT THE PROJECT SITE.
 - DO NOT USE ADDITIVES WITH WASH WATER.
 - DO NOT WASH OUT OR DRAIN WASTE WATERS TO STORM DRAINS, WETLANDS, STREAMS, RIVERS, CREEKS, DITCHES OR STREETS.
- MAINTENANCE:**
- MAINTENANCE REQUIREMENTS PROVIDED IN SPECIFICATIONS.

CONCRETE WASHOUT
SCALE: NONE

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
<p>BAR IS ONE INCH LONG ON ORIGINAL DRAWING</p> <p style="text-align: center;">—</p>	CHECKED BY	RLS				
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PORTLAND MERIDIAN ST DRAINAGE
CITY OF PORTLAND, INDIANA
EROSION CONTROL DETAILS

SHEET NO.
24
TOTAL SHEETS
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