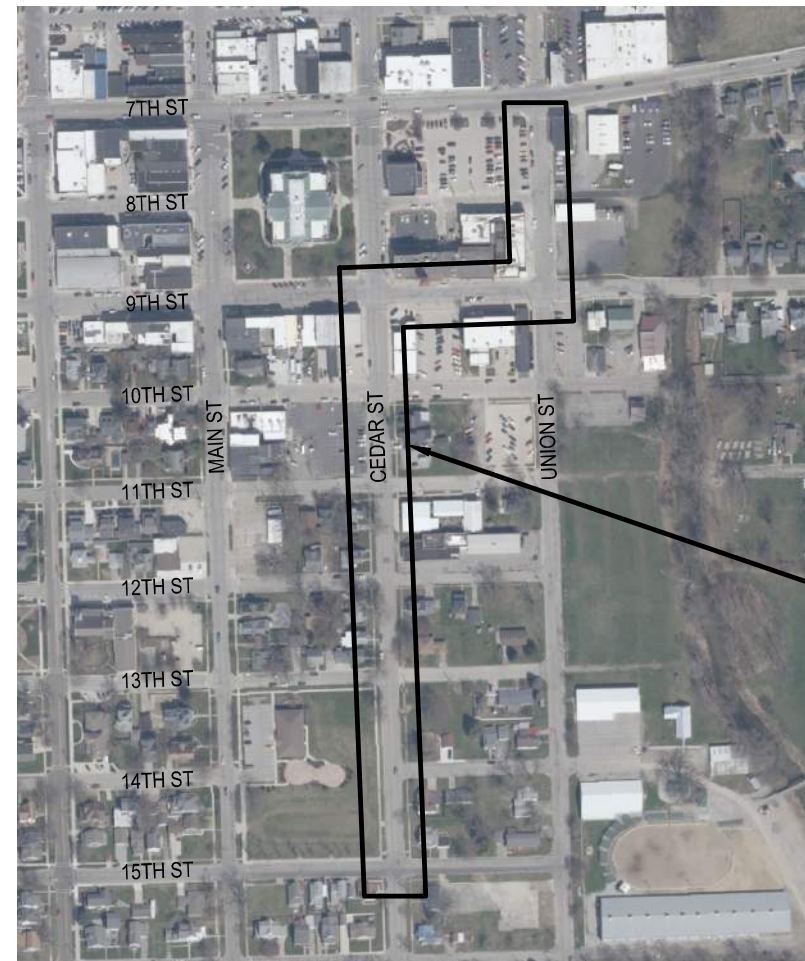
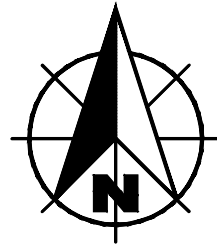


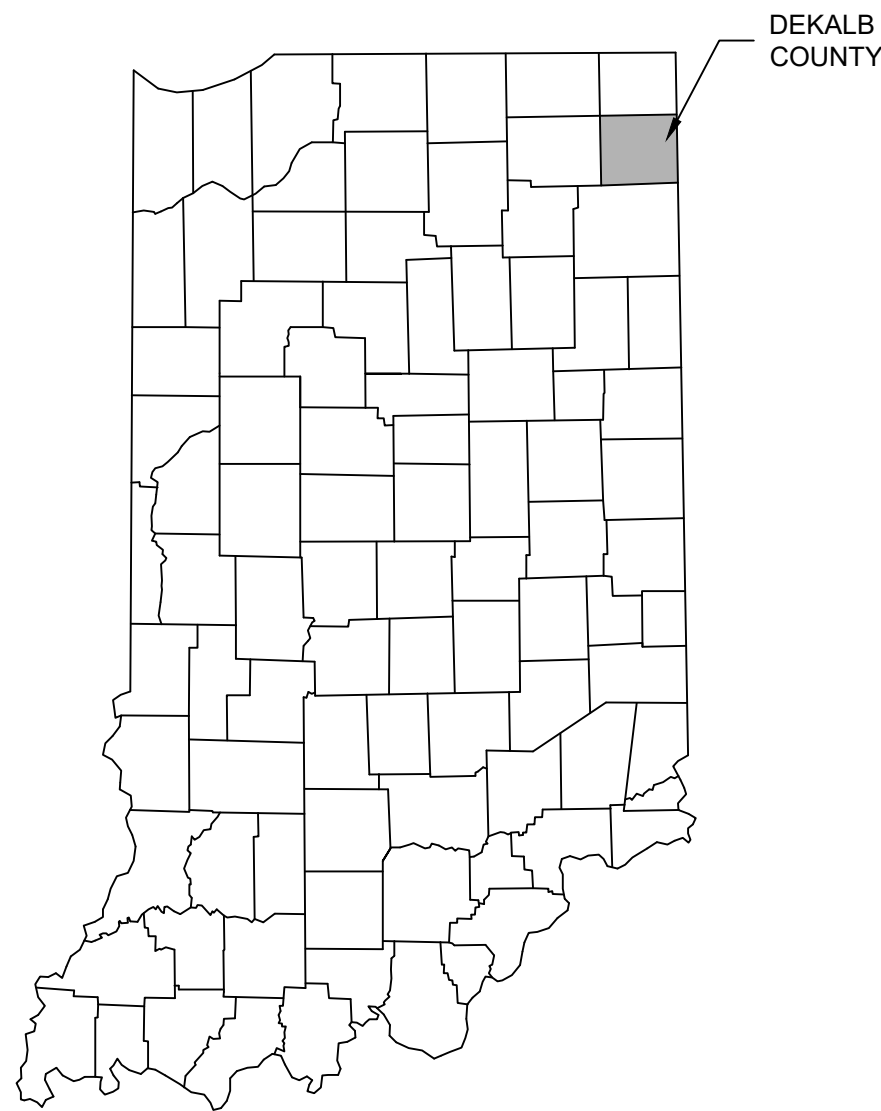
CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

FOR THE CITY OF AUBURN, INDIANA

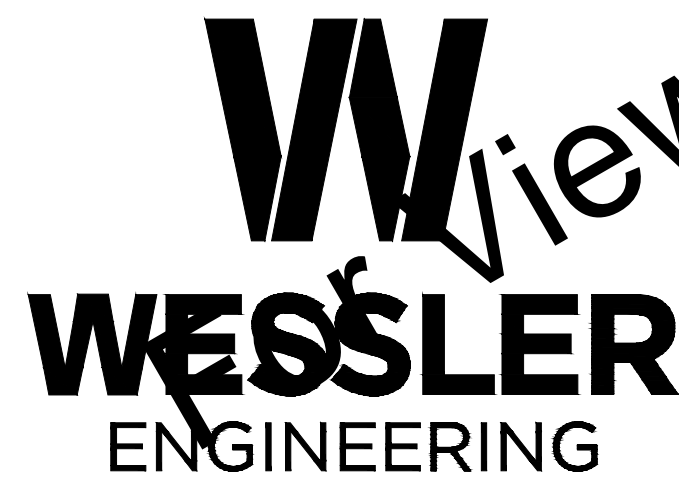


PROJECT LOCATION

AUBURN, INDIANA
VICINITY MAP
SCALE: NONE



STATE LOCATION MAP
SCALE: NONE



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Fort Wayne, Indiana 46804
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PROJECT NO. 289325-04-001

DRAWINGS PREPARED FOR:

BOARD OF PUBLIC WORKS AND SAFETY

DAVID CLARK, MAYOR

TIM SCHWARTZ

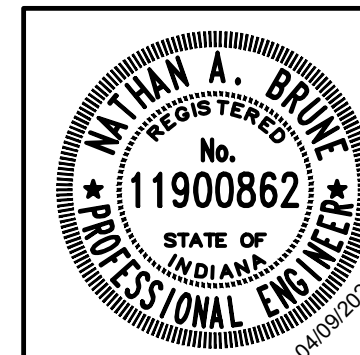
NICK SCHEUMANN

LORRIE PONTIUS, CLERK-TREASURER

ZACH LIGHTNER, ATTORNEY

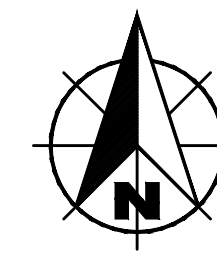
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Nathan A. Brune

NATHAN A. BRUNE
REGISTERED ENGINEER STATE OF INDIANA NO. 11900862



HORIZONTAL AND VERTICAL CONTROL INFORMATION

NOTES:

1. A FIELD SURVEY WAS PERFORMED IN JUNE 2025.
2. COORDINATES (INDIANA STATE PLANE, EAST ZONE, NAD 83) AND ELEVATIONS (NAVD 88) ARE BASED ON GPS OBSERVATION OF NGS BENCHMARK M22.
3. UNITS ARE U.S. SURVEY FEET.
4. CONTROL POINTS WERE SET USING GPS.
5. A LEVEL LOOP WAS PERFORMED ON THE CONTROL POINTS AND TBM.

BENCHMARK DESCRIPTION:

1. TBM NO. 16 - RAILROAD SPIKE SET IN WEST SIDE OF POWER POLE. EL 859.74
2. TBM NO. 17 - CUT X NORTHEAST CORNER OF CONCRETE WALL. EL 863.15
3. TBM NO. 18 - RAILROAD SPIKE SET IN WEST SIDE OF POWER POLE AT NORTHEAST CORNER OF 11TH STREET AND CEDAR STREET. EL 857.37
4. TBM NO. 19 - RAILROAD SPIKE SET IN EAST SIDE OF POWER POLE WEST SIDE OF CEDAR STREET APPROXIMATELY 80' SOUTH OF 13TH STREET. EL 857.61

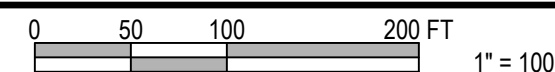
LAYOUT YARD:

THIS AREA WHICH IS OWNED BY THE DEKALB COUNTY FAIR ASSOCIATION WILL BE AVAILABLE TO THE CONTRACTOR FOR THE PURPOSE OF A LAYOUT YARD, HOWEVER, A CERTIFICATE OF LIABILITY INSURANCE WILL NEED TO BE PROVIDED BY THE CONTRACTOR TO THE DEKALB COUNTY FAIR ASSOCIATION. RESTORATION OF THE LAYOUT YARD WILL BE REQUIRED AFTER COMPLETION OF PROJECT.

DRAWING INDEX	
SHEET NO.	DESCRIPTION
GENERAL	
01	TITLE SHEET
02	DRAWING INDEX, LOCATION, AND SCOPE OF WORK PLAN
03	GENERAL NOTES AND ABBREVIATIONS
PLAN AND PROFILE SHEETS	
04 - 06	EXISTING CONDITIONS, DEMOLITION AND EROSION CONTROL PLANS
07 - 08	SEWER LINE A - PLAN AND PROFILE
09 - 11	WATER LINE B - PLAN AND PROFILE
DETAILS AND TABLES	
14 - 17	MISCELLANEOUS DETAILS
18 - 19	EROSION CONTROL DETAILS
20	STRUCTURE DATA TABLE

CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 2	2229256.06	496412.49	859.93	5/8" REBAR
CP 3	2229062.26	496469.74	858.80	5/8" REBAR
CP 4	2228882.94	496487.00	858.55	MAGNAIL
CP 5	2228865.47	496135.80	861.22	CP CUT X
CP 6	2228657.14	496132.48	856.94	5/8" REBAR
CP 7	2228472.92	496095.66	856.35	5/8" REBAR
CP 8	2228274.79	496148.50	855.46	5/8" REBAR
CP 9	2228076.33	496107.03	855.82	5/8" REBAR
CP 10	2227749.94	496164.29	861.13	5/8" REBAR

LOCATION AND SCOPE OF WORK PLAN



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Drawing: X:\a\289325 Auburn Cedar SWM Replace DWG\Sheets_P1\289325-04-001.dwg | Layout: 102 | Plotted: 04/09/26 @ 01:55:44 | LasSaverBy: travis

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
	CHECKED BY	ALT				
	APPROVED BY	NAB				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	289325-04-001				

Nathan A. Brune

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CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I
CITY OF AUBURN, INDIANA
DRAWING INDEX, LOCATION, AND SCOPE OF WORK PLAN

SHEET NO.	02
TOTAL SHEETS	20

EXISTING FEATURES LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BENCH MARK		CISTERN		EASEMENT - CONSTRUCTION/PERMANENT
	TEMPORARY BENCH MARK		ELECTRIC METER		LOT BOUNDARY
	SOIL BORING LOCATION		AIR CONDITIONING UNIT		PROPERTY BOUNDARY
	SECTION CORNER		UTILITY RISER (DEFINED BY UTILITY)		RIGHT-OF-WAY - TEMPORARY/PERMANENT
	DRILL HOLE IN CONCRETE/HARRISON MONUMENT		UTILITY PEDESTAL (DEFINED BY UTILITY)		SECTION BOUNDARY
	CONTROL POINT (SET/FOUND)		UTILITY MARKER (DEFINED BY UTILITY)		WETLANDS
	MAGNETIC NAIL (SET/FOUND)		JOINT POWER/TELEPHONE POLE		CONTOUR - INTERMEDIATE ELEVATION
	BOAT SPIKE (SET/FOUND)		LIGHT POLE		CONTOUR - INDEX ELEVATION
	PK NAIL (SET/FOUND)		LIGHT ON POWER POLE		OVERHEAD ELECTRIC
	RAILROAD SPIKE (SET/FOUND)		LIGHT ON JOINT POLE		OVERHEAD CABLE TV
	R/W MARKER - CONCRETE/GRANITE/STONE		POWER POLE		OVERHEAD TELEPHONE
	IRON PIPE/IRON PIN/REBAR (WITH DIAMETER)		TELEPHONE POLE		UNDERGROUND CABLE TV
	BRASS PLUG		LAMP POST		UNDERGROUND ELECTRIC
	CABLE TV MANHOLE		GUY ANCHOR		UNDERGROUND FIBER OPTIC
	ELECTRIC MANHOLE		GUY POLE OR STUB		GAS MAIN
	GAS MANHOLE		CONTROLLER CABINET		DIGESTER GAS
	OTHER MANHOLE		FLAG POLE		PETROLEUM MAIN
	TELEPHONE MANHOLE		POST		UNDERGROUND TELEPHONE
	TELEPHONE VAULT		GROUND LIGHT		WATER MAIN
	TRAFFIC MANHOLE		MAILBOX		WATER SERVICE
	TRAFFIC HANDHOLE		DOUBLE/MULTIPLE MAILBOX		FORCEMAIN
	WATER MANHOLE		MAST ARM POLE		GRAVITY SEWER PIPE
	AIR RELEASE VALVE		TRAFFIC SIGNAL STRAIN POLE		PLANT CHEMICAL LINE
	SANITARY SEWER MANHOLE		SIGNAL LOOP DETECTOR BOX		PLANT DRAIN LINE
	DRAINAGE/STORM SEWER MANHOLE		SIGNAL LOOP DETECTOR LOOP		TOP OF BANK/TOE OF SLOPE
	SANITARY SEWER CLEANOUT		SIGN - SINGLE POST		CENTERLINE OF DITCH/SWALE/STREAM
	SEPTIC TANK		SIGN - DOUBLE POST		FENCE - FIELD
	VALVE VAULT		SIGN - RAILROAD SIGNAL		FENCE - METAL
	BEEHIVE INLET		SIGN - RAILROAD CROSSING		FENCE - WOOD
	CURB INLET		BUSH		GUARDRAIL
	DROP INLET		STUMP		STREAM
	CATCH BASIN		TREE - CONIFEROUS		TREE/BRUSH LINE
	DOWNSPOUT		TREE - DECIDUOUS		
	GAS METER		ROCK OUTCROP		
	GAS VALVE		SATELLITE		
	GAS SERVICE VALVE		SPRINKLER CONTROL VALVE		
	PETROLEUM VALVE		WATER METER		
	PETROLEUM SHUTOFF VALVE		WATER VALVE		
	GAS STATION MONITORING WELL		WATER SERVICE VALVE		
	GAS STATION FILL CAP		WATER WELL		
	NATURAL GAS WELL/STORAGE WELL		WET WELL		
	SPRINKLER HEAD		FIRE HYDRANT		
	YARD HYDRANT		FIRE ACCESS VALVE		

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

GAS
NIPSCO GAS
1153 AUBURN DRIVE
AUBURN, IN 46706
260-925-2700
ATTN: ALEX YARIAN

WATER
CITY OF AUBURN
800 N STREET
AUBURN, IN 46706
260-925-5711
ATTN: RANDY HARVEY
WATER SUPERINTENDENT

SEWER
CITY OF AUBURN
2010 S WAYNE STREET
AUBURN, IN 46706
260-925-1714
ATTN: TODD SATTISON
SUPERINTENDENT

STREET
CITY OF AUBURN
101 E ENSLEY AVENUE
AUBURN, IN 46706
260-925-6455
ATTN: TYLER BRANDON

ELECTRIC
CITY OF AUBURN
5066 COUNTY ROAD 29
AUBURN, IN 46706
260-925-8232
ATTN: JUSTIN FRY
GENERAL MANAGER

COMMUNICATIONS
MEDIACOM, LLC (AUBURN)
1101 W AUBURN DRIVE
AUBURN, IN 46706
OFFICE 260-927-3015
CELL 845-637-9841
ATTN: DUSTIN KROECKEL

COMMUNICATIONS
AT&T DISTRIBUTION
3972 W JEFFERSON BOULEVARD
FORT WAYNE, IN 46804
502-553-8561
ATTN: MIKE JAGGERS

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	RAILROAD
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 JAPAN IRON WORKS	SDR	STANDARD DIMENSION RATIO
EL	ELEVATION	SECT	SECTION
EX	EXISTING	SF	SQUARE FEET
EXP	EXPANSION	SHT	SHEET
FF	FINISH FLOOR ELEVATION	SPECS	SPECIFICATION(S)
FM	FORCE MAIN	SQ	SQUARE
FD	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

GENERAL NOTES:

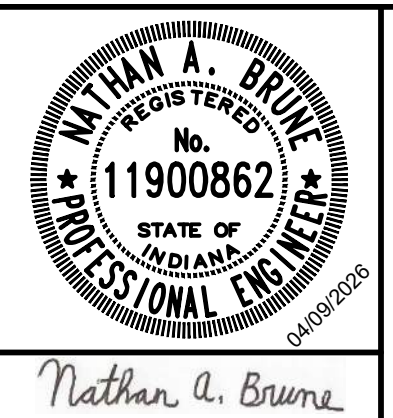
- NOTIFY THE ENGINEER IF ANY CONFLICTING INFORMATION BECOMES APPARENT IN THE CONTRACT DOCUMENTS AS SOON AS POSSIBLE AND PRIOR TO THE COMMENCEMENT OF ANY WORK IN THE VICINITY OF OR RELATIVE TO THE APPARENT CONFLICT SO THAT CLARIFICATION MAY OCCUR PRIOR TO CONSTRUCTION.
- ANY ALTERATIONS TO THESE DRAWINGS 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 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 OR EXCLUSIVE OR EVEN APPROXIMATE. CONTACT THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE (IUPPS) AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY TO IDENTIFY NON-MEMBER UTILITIES DIRECTLY.
- DETERMINE WHICH UTILITIES MAY BE AFFECTED BY THE 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 TO INDIVIDUAL CUSTOMERS MAY NOT BE SHOWN ON THE DRAWINGS. ASSUME THAT UNDERGROUND UTILITY SERVICE LINES FOR ALL UTILITIES EXIST TO EACH PROPERTY ALONG THE ROUTE OF THE PLANNED IMPROVEMENTS.
- COORDINATE 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.
- LENGTHS OF SEWERS AS SHOWN ON THE DRAWINGS AND INDICATED AS LINEAR FEET (LF) ARE FROM THE INSIDE FACE OF THE UPSTREAM MANHOLE TO THE INSIDE FACE OF THE DOWNSTREAM MANHOLE.
- 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 NO LESS THAN THE MINIMUM SLOPE AS SPECIFIED IN THE DRAWINGS AND SPECIFICATIONS.
- INSTALL SEWER SERVICE LATERALS TO WITHIN CLOSE PROXIMITY OF THE EXISTING RIGHT OF WAY LINE.
- RESET ALL MAILBOXES AND SIGNS DISTURBED BY CONSTRUCTION ACTIVITIES.
- IF REQUIRED, PLACE TEMPORARY OVERNIGHT AGGREGATE WEDGES AT DRIVEWAYS TO ALLOW PROPERTY OWNER ACCESS.

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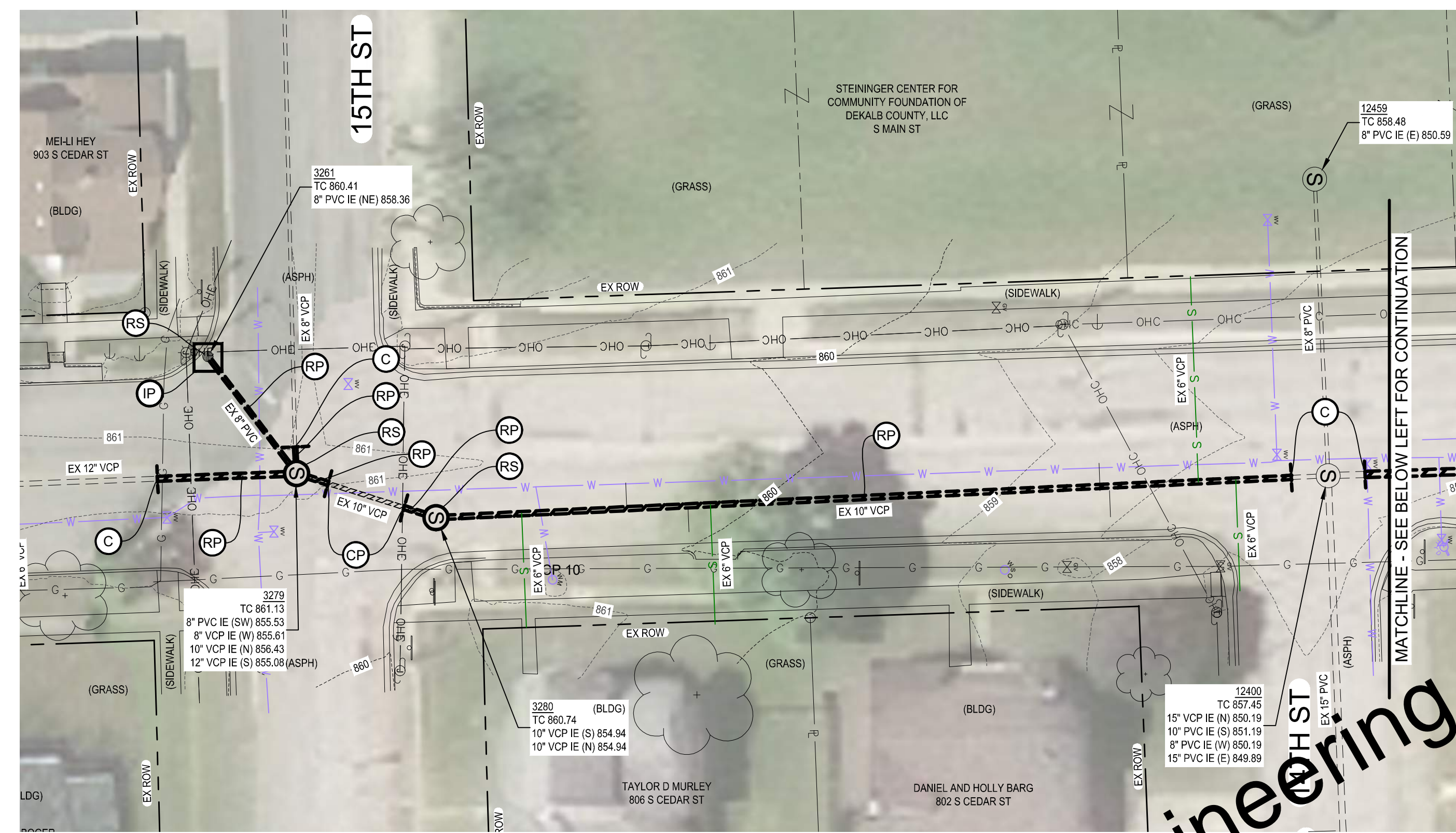
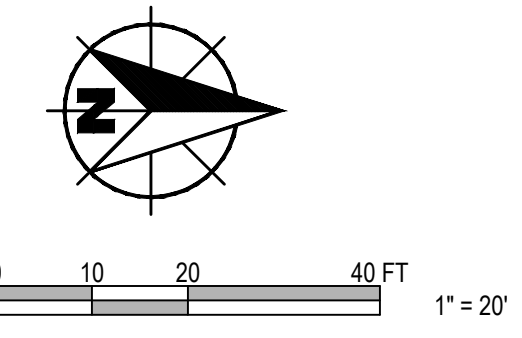


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	PROJECT NUMBER	289325-04-001				

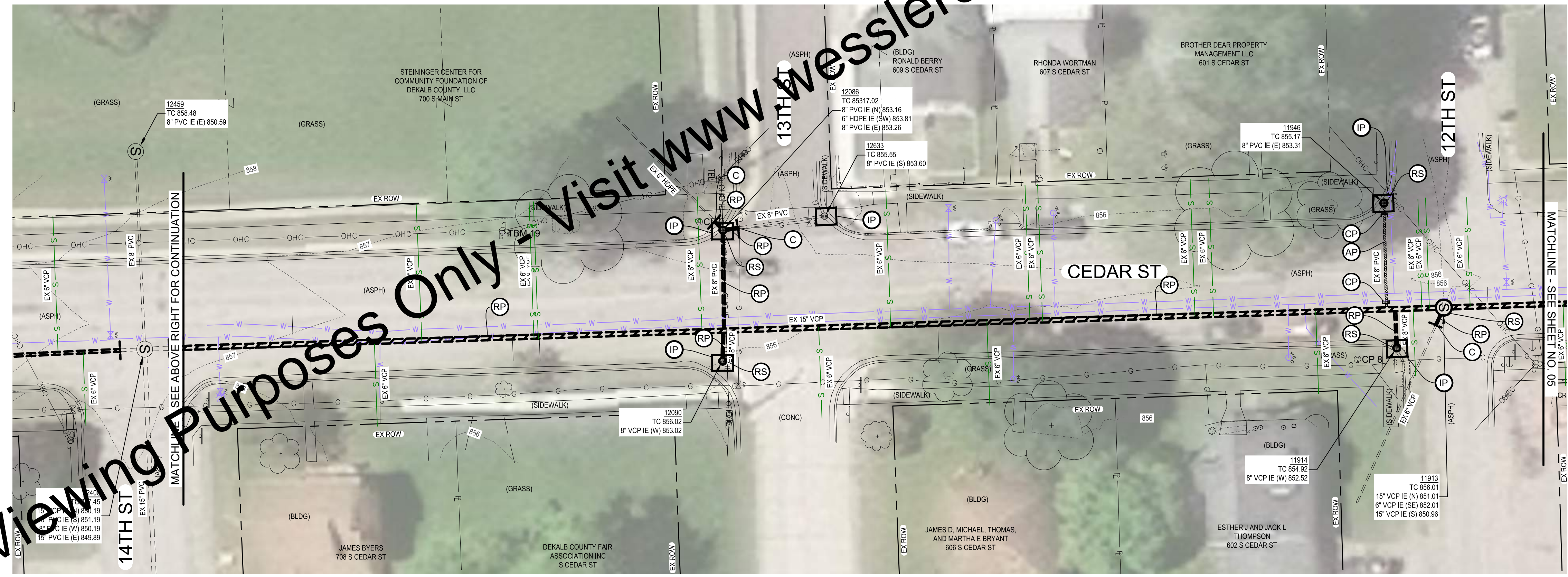


CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I
 CITY OF AUBURN, INDIANA
GENERAL NOTES AND ABBREVIATIONS

SHEET NO.	03
TOTAL SHEETS	20



DEMO PLAN
SCALE: 1"=20'



DEMO PLAN
SCALE: 1"=20'

GENERAL NOTES:

- INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.
- CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.

LEGEND AND KEYED NOTES

- AP ABANDON PIPE AND PLUG
- CP CUT AND CAP EXISTING PIPE
- C CUT EXISTING PIPE 5' FROM STRUCTURE FOR NEW PIPE CONNECTION
- IP INLET PROTECTION
- RP REMOVE SEWER PIPE COMPLETELY
- RS REMOVE STRUCTURE
- RW REMOVE WATER MAIN AFTER NEW PHASE 1 WATER LINE IS IN SERVICE

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	APPROVED BY	NAB				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	289325-04-001				

NATHAN A. BRUNE
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA
No. 11900862
04/07/2026

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ENGINEERING
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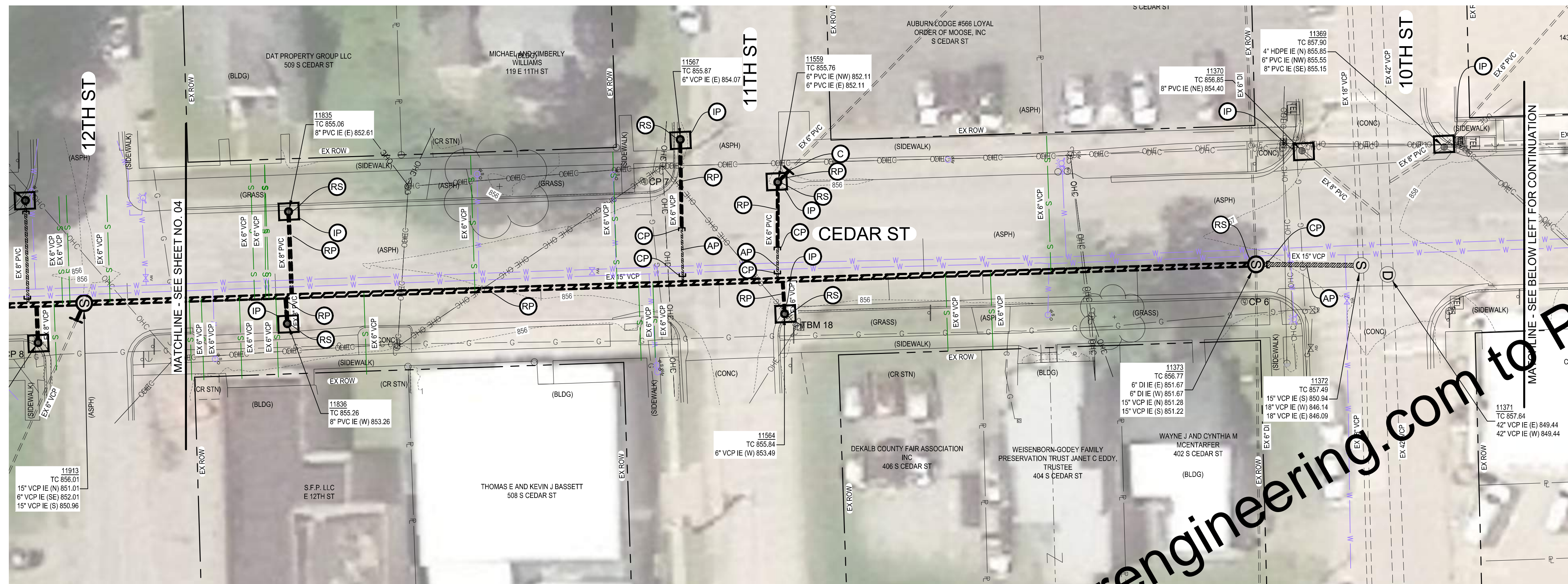
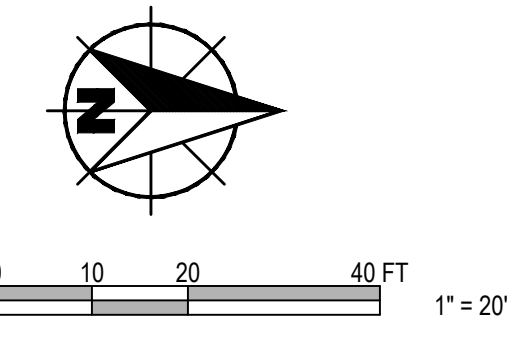
CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

CITY OF AUBURN, INDIANA

EXISTING CONDITIONS, DEMOLITION AND EROSION CONTROL PLANS

SHEET NO.	04
TOTAL SHEETS	20

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DEMO PLAN
SCALE: 1"=20'



DEMO PLAN
SCALE: 1"=20'

GENERAL NOTES:

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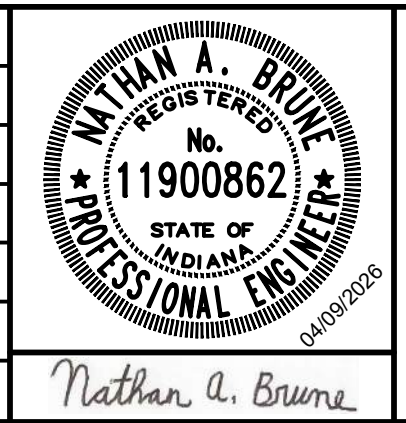
LEGEND AND KEYED NOTES

- AP ABANDON PIPE AND PLUG
- CP CUT AND CAP EXISTING PIPE
- C CUT EXISTING PIPE 5' FROM STRUCTURE FOR NEW PIPE CONNECTION
- IP INLET PROTECTION
- RP REMOVE SEWER PIPE COMPLETELY
- RS REMOVE STRUCTURE
- RW REMOVE WATER MAIN AFTER NEW PHASE 1 WATER LINE IS IN SERVICE

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Drawing: X:\In\289325\289325-Auburn Cedar SWM Replace DWG\Sheets_P1\289325-PN-DEMO_P1.dwg | Layout: P1-2 | Plotlet: 04/08/26 @ 01:59:13 | LastSavedBy: navel

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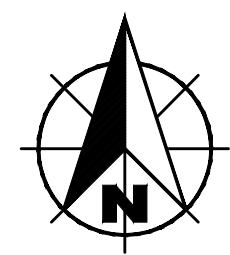


CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

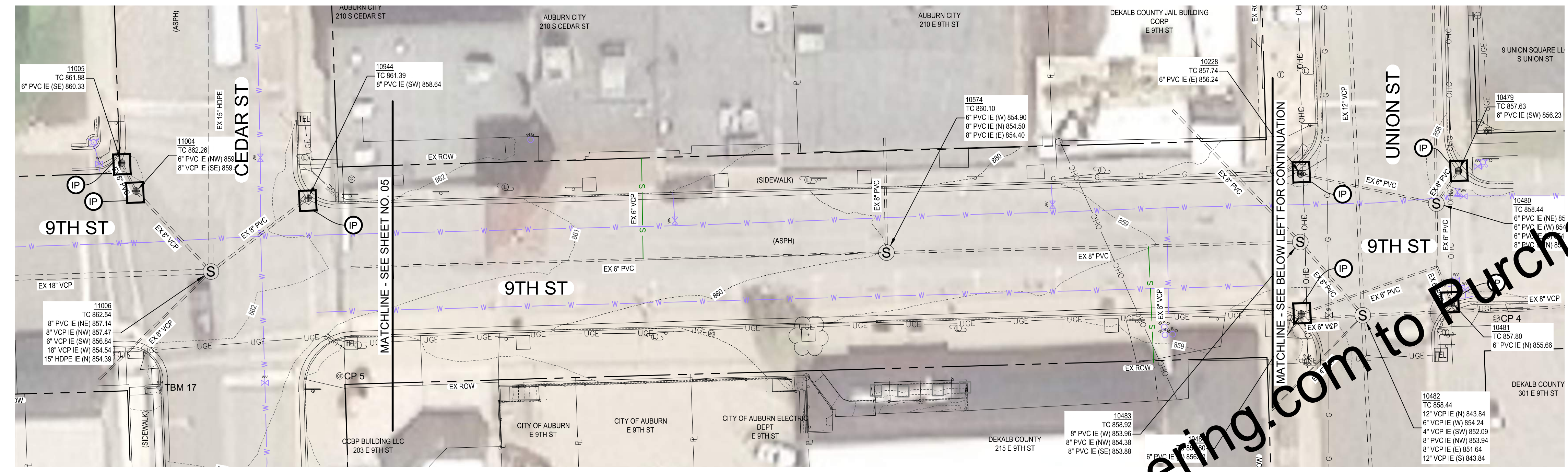
CITY OF AUBURN, INDIANA

EXISTING CONDITIONS, DEMOLITION AND EROSION CONTROL PLANS

SHEET NO.	05
TOTAL SHEETS	20



0 10 20 40 FT
1" = 20'

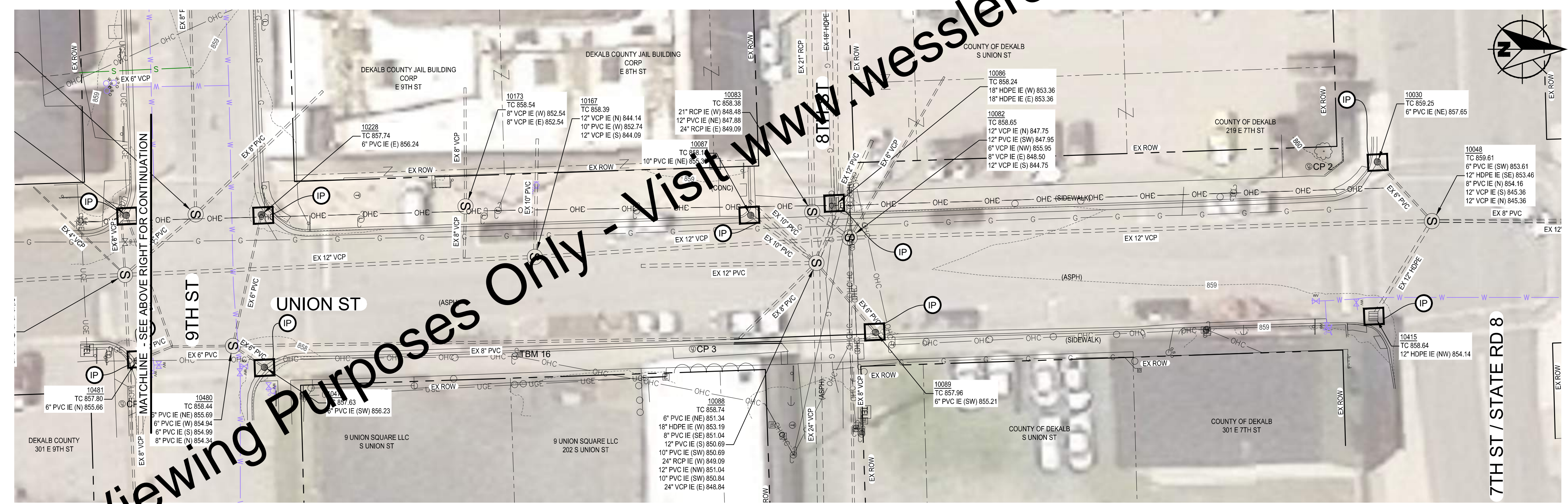


DEMO PLAN
SCALE: 1"=20'

- GENERAL NOTES:**
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.
 - CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.

LEGEND AND KEYED NOTES

- AP ABANDON PIPE AND PLUG
- CP CUT AND CAP EXISTING PIPE
- C CUT EXISTING PIPE 5' FROM STRUCTURE FOR NEW PIPE CONNECTION
- IP INLET PROTECTION
- RP REMOVE SEWER PIPE COMPLETELY
- RS REMOVE STRUCTURE
- RW REMOVE WATER MAIN AFTER NEW PHASE 1 WATER LINE IS IN SERVICE



DEMO PLAN
SCALE: 1"=20'

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	APPROVED BY	NAB				
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	PROJECT NUMBER	289325-04-001				

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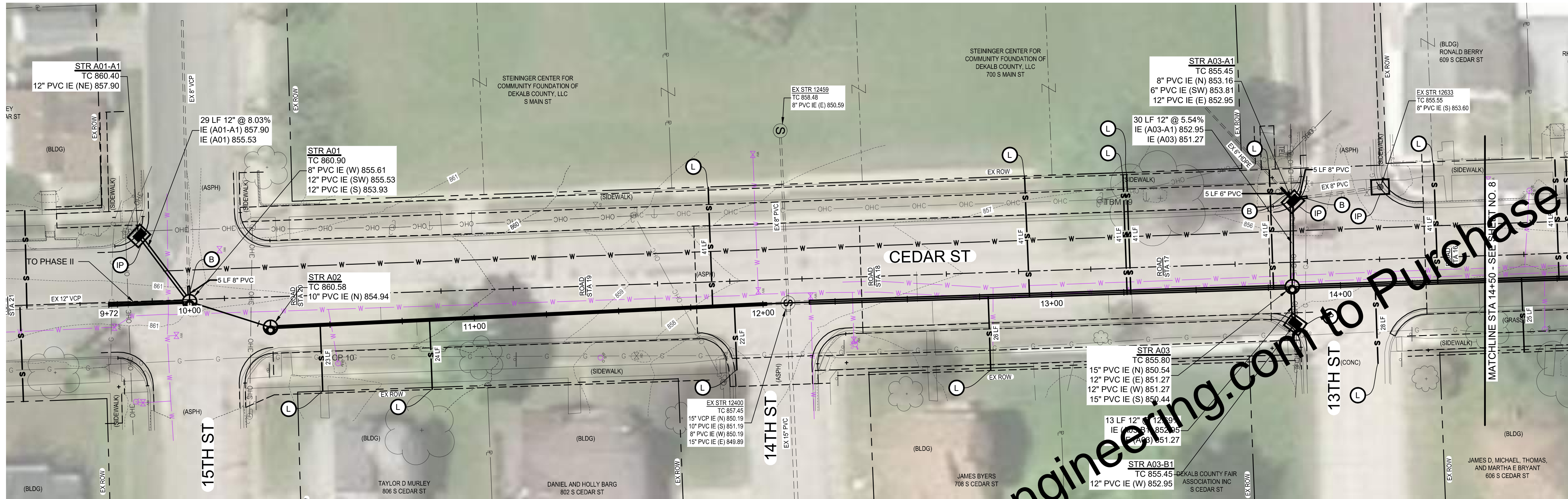
CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

CITY OF AUBURN, INDIANA

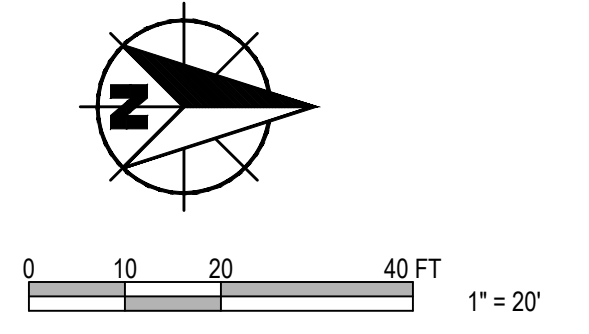
EXISTING CONDITIONS, DEMOLITION AND EROSION CONTROL PLANS

SHEET NO.
06

TOTAL SHEETS
20



PLAN - SEWER LINE A
SCALE: 1"=20'

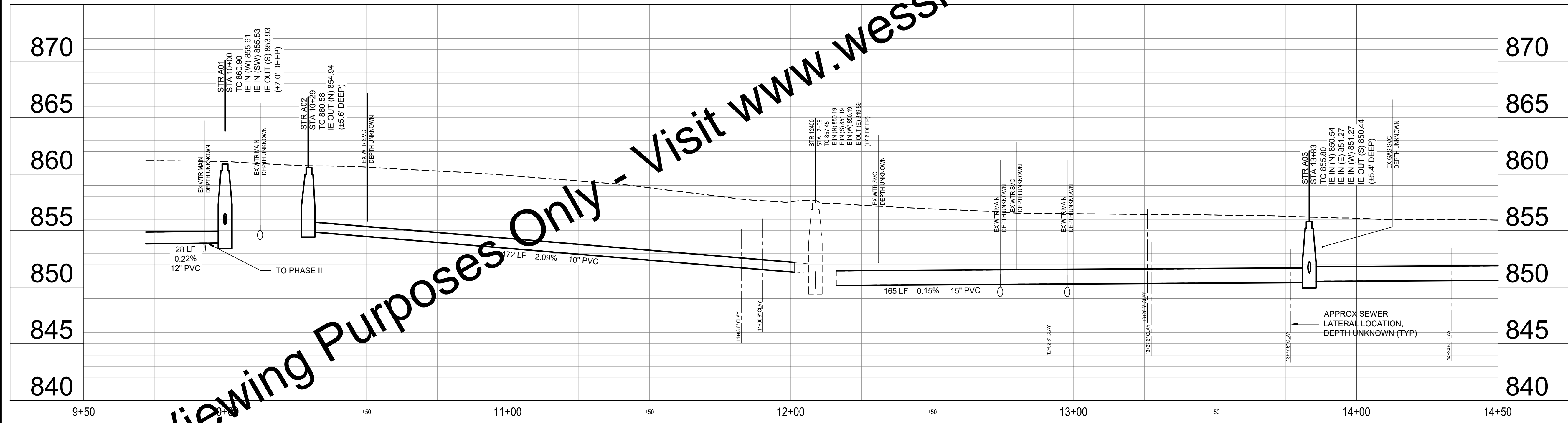


GENERAL NOTES:

- CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.
- CONTRACTOR TO FIELD VERIFY LATERAL LOCATIONS
- CONTRACTOR TO CONNECT TO NEW LATERAL TO EXISTING LATERAL.
- CONTRACTOR RESPONSIBLE FOR PREPARATION AND IMPLEMENTATION OF BYPASS PLAN FOR SANITARY FLOWS.
- COORDINATE ALL WORK WITH THE OWNER'S SUBSEQUENTLY PLANNED STREETSCAPE PROJECT INCLUDING BUT NOT LIMITED TO LOCATION OF NEW INLETS RELATIVE TO PLANNED CURBLINE.
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.
- TRENCH SPECIAL BACKFILL AND TEMPORARY PAVEMENT REPAIR REQUIRED FOR ALL NEW SEWER MAINS AND STORM LATERALS AS SPECIFIED.

KEYED NOTES

- B CONNECT EXISTING PIPE TO NEW STRUCTURE
- L INSTALL 6" PVC SEWER LATERAL @ 1/4"100' SLOPE
- IP INLET PROTECTION

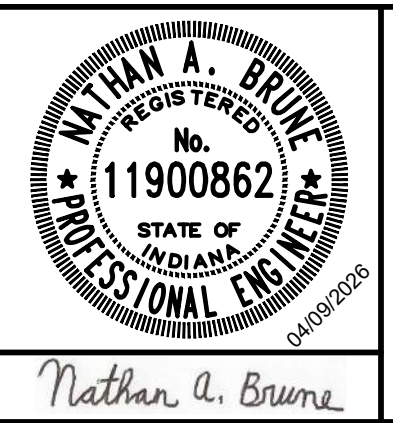


PROFILE - SEWER LINE A
HORIZ SCALE: 1"=20'
VERT SCALE: 1"=5'

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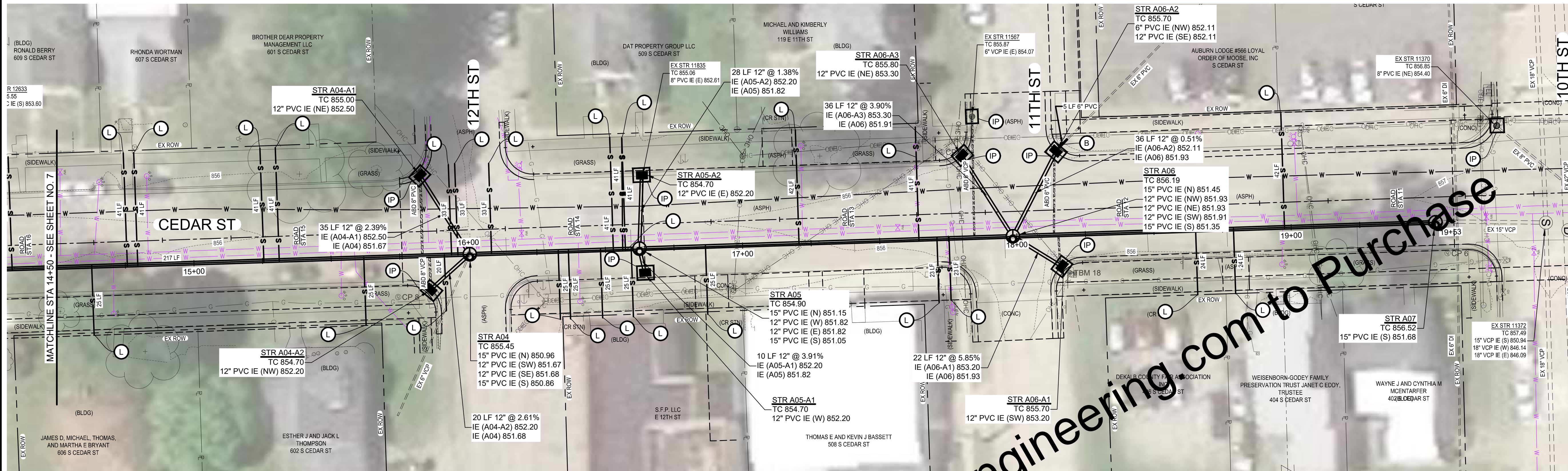


CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

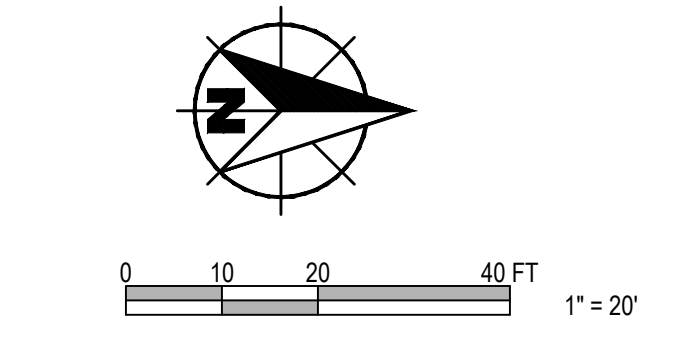
CITY OF AUBURN, INDIANA

SEWER LINE A - PLAN AND PROFILE

SHEET NO.	07
TOTAL SHEETS	20



PLAN - SEWER LINE A
SCALE: 1"=20'

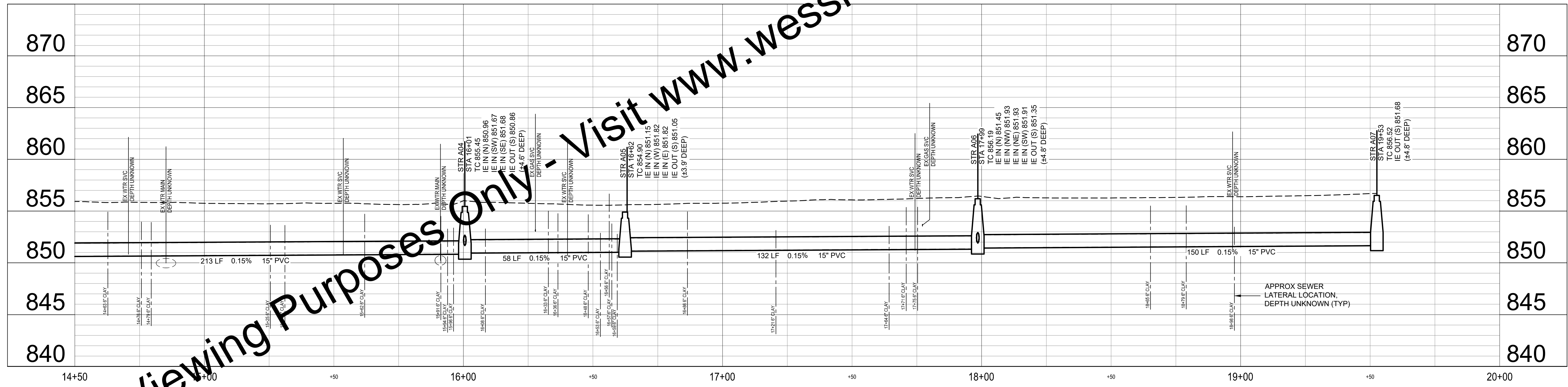


GENERAL NOTES:

- CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD WITHIN 24 HOURS OF OCCURRENCE.
- CONTRACTOR TO FIELD VERIFY LATERAL LOCATIONS
- CONTRACTOR TO CONNECT TO NEW LATERAL TO EXISTING LATERAL.
- CONTRACTOR RESPONSIBLE FOR PREPARATION AND IMPLEMENTATION OF BYPASS PLAN FOR SANITARY FLOWS. COORDINATE ALL WORK WITH THE OWNER'S SUBSEQUENTLY PLANNED STREETSCAPE PROJECT INCLUDING BUT NOT LIMITED TO LOCATION OF NEW INLETS RELATIVE TO PLANNED CURBLINE.
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.
- TRENCH SPECIAL BACKFILL AND TEMPORARY PAVEMENT REPAIR REQUIRED FOR ALL NEW SEWER MAINS AND STORM LATERALS AS SPECIFIED.

KEYED NOTES

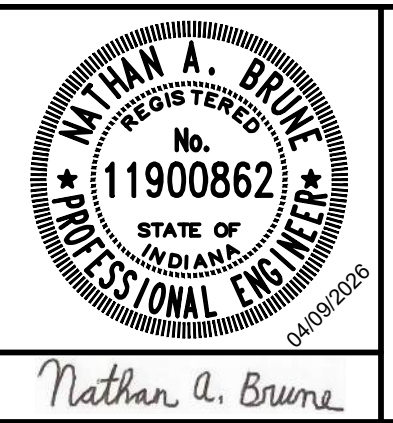
- B CONNECT EXISTING PIPE TO NEW STRUCTURE
- L INSTALL 6" PVC SEWER LATERAL @ 1/4"1'00" SLOPE
- IP INLET PROTECTION



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

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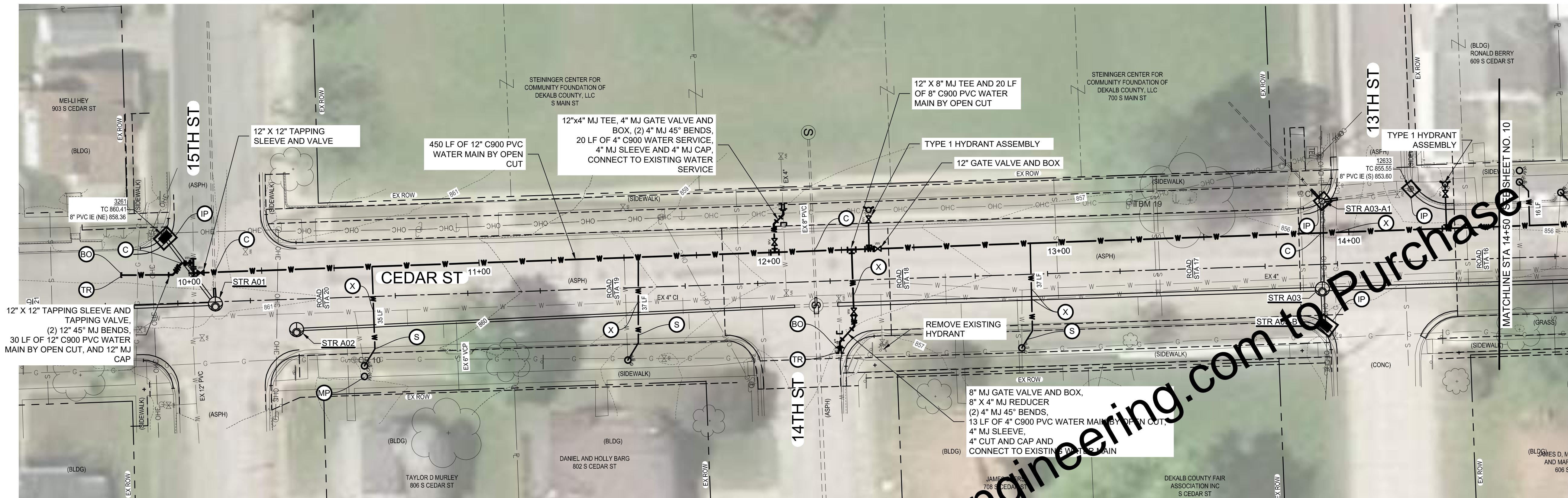
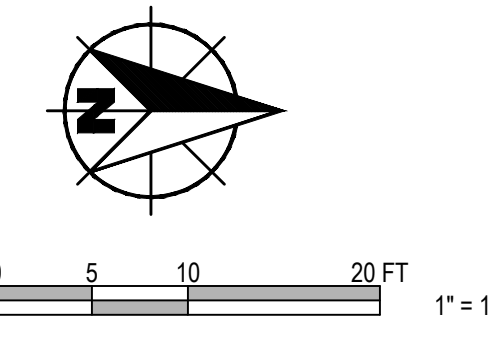
CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

CITY OF AUBURN, INDIANA

SEWER LINE A - PLAN AND PROFILE

SHEET NO.
08
TOTAL SHEETS
20

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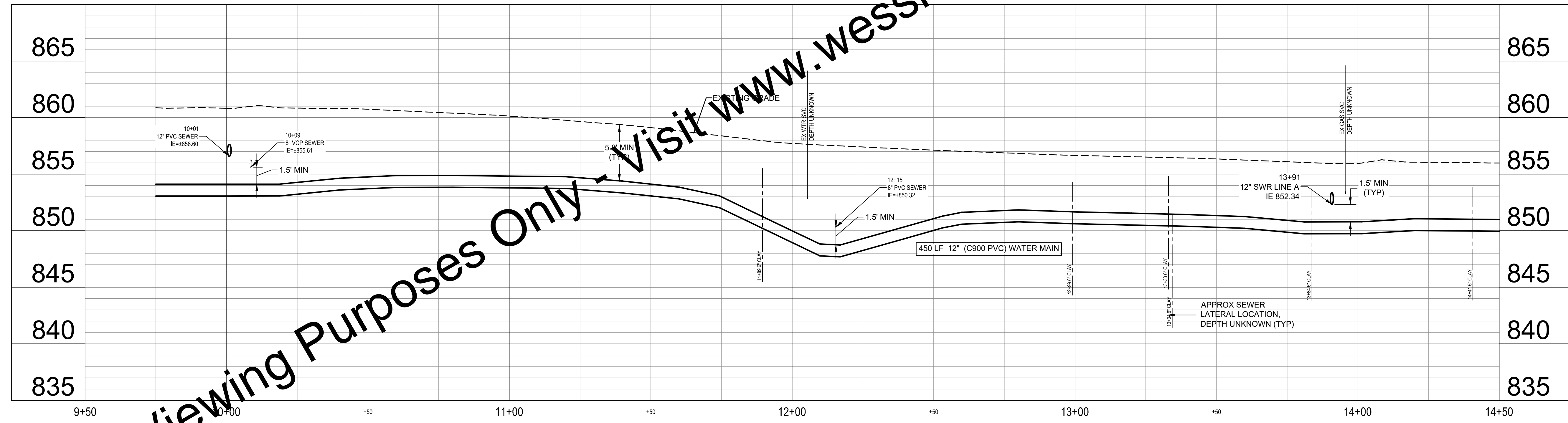
PLAN - WATER LINE B
SCALE: 1"=20'

GENERAL NOTES:

1. CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.
2. COORDINATE ALL WORK WITH THE OWNER'S SUBSEQUENTLY PLANNED STREETSCAPE PROJECT INCLUDING BUT NOT LIMITED TO LOCATION OF NEW HYDRANTS AND VALVES RELATIVE TO PLANNED SIDEWALK AND CURBLINE. FIELD VERIFY ALL SANITARY LATERAL AND WATER SERVICE LOCATIONS.
3. TRENCH SPECIAL BACKFILL REQUIRED FOR ALL NEW WATER MAINS AS SPECIFIED. TEMPORARY PAVEMENT REPAIR REQUIRED FROM STA 9+75 TO STA 20+00, AND HMA PAVEMENT REPAIR REQUIRED FROM STA 20+00 TO STA 29+15, AS SPECIFIED.

KEYED NOTES

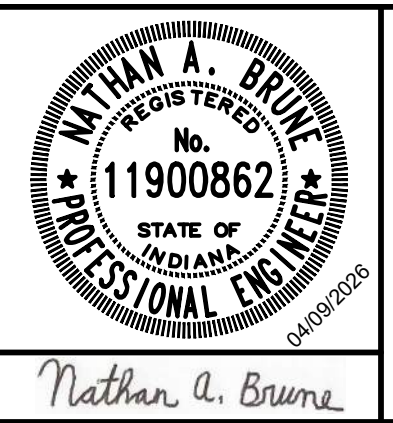
- C MAINTAIN 18" VERTICAL CLEARANCE BETWEEN PROPOSED WATER AND SEWER PIPING
 - D HMA PAVEMENT REPAIR AND FULL DEPTH CLASS I BACKFILL
 - F2 CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I BACKFILL
 - S 1" NEW SERVICE AND SHUT-OFF VALVE
 - S1 2" NEW SERVICE AND SHUT-OFF VALVE
 - X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
 - 15 CONCRETE CURB AND GUTTER REPAIR, MATCH EXISTING AND FULL CLASS I BACKFILL
 - IP INLET PROTECTION
 - MP NEW METER PIT
 - BO BLOW OFF
 - TR TEST RISER
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.



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

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	APPROVED BY	NAB				
	ISSUE DATE					
	APRIL 2026					
	PROJECT NUMBER					
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CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

CITY OF AUBURN, INDIANA

PLAN AND PROFILE - WATER LINE B

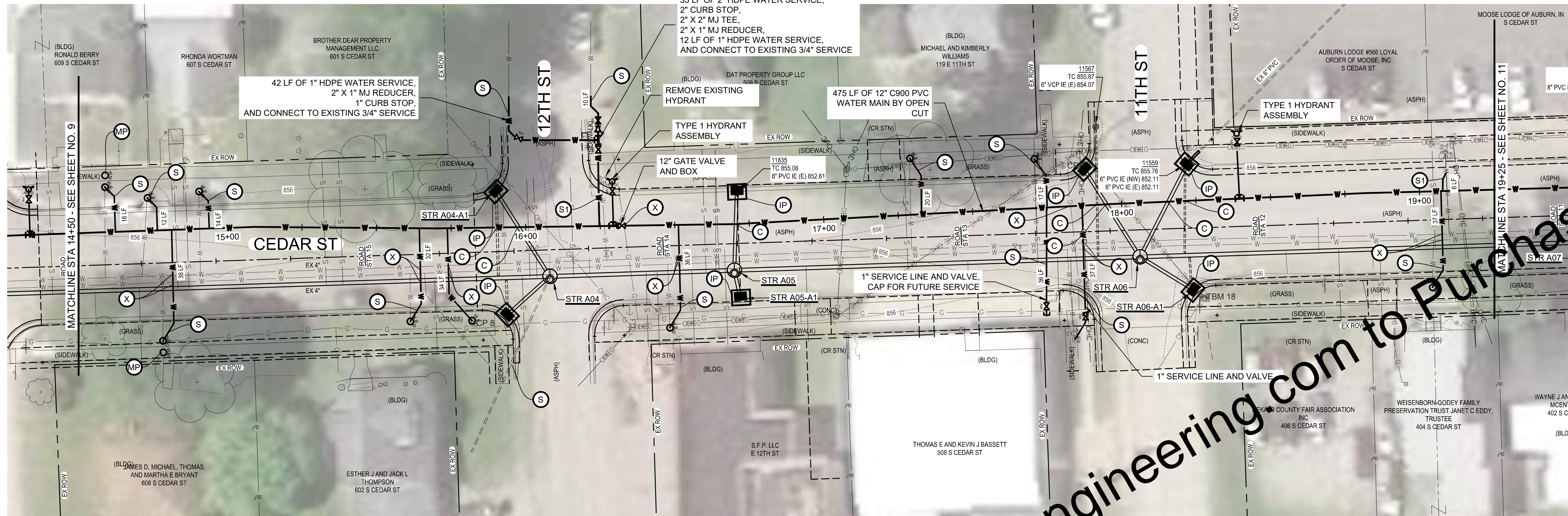
SHEET NO.

09

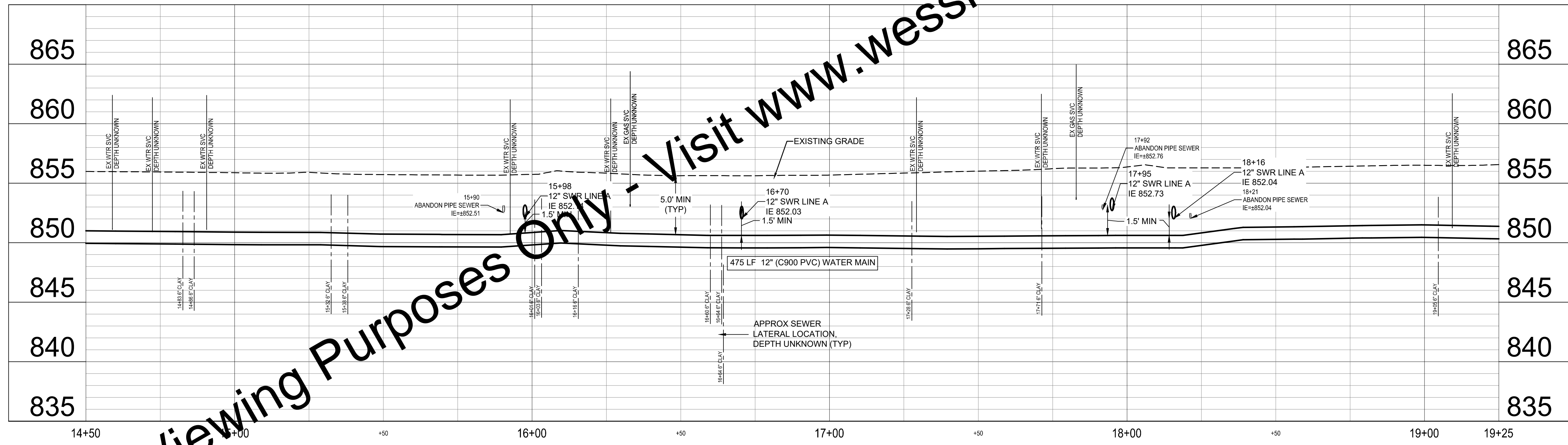
TOTAL SHEETS

20

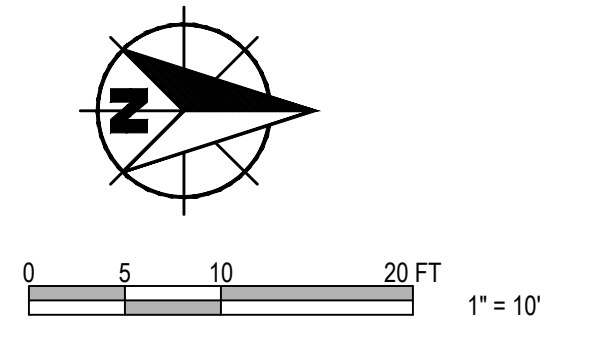
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PLAN - WATER LINE B
SCALE: 1"=20'



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



GENERAL NOTES:

1. CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.
2. COORDINATE ALL WORK WITH THE OWNER'S SUBSEQUENTLY PLANNED STREETSCAPE PROJECT INCLUDING BUT NOT LIMITED TO LOCATION OF NEW HYDRANTS AND VALVES RELATIVE TO PLANNED SIDEWALK AND CURBLINE. FIELD VERIFY ALL SANITARY LATERAL AND WATER SERVICE LOCATIONS.
3. TRENCH SPECIAL BACKFILL REQUIRED FOR ALL NEW WATER MAINS AS SPECIFIED. TEMPORARY PAVEMENT REPAIR REQUIRED FROM STA 9+75 TO STA 20+00, AND HMA PAVEMENT REPAIR REQUIRED FROM STA 20+00 TO STA 29+15, AS SPECIFIED.

KEYED NOTES

- C MAINTAIN 18" VERTICAL CLEARANCE BETWEEN PROPOSED WATER AND SEWER PIPING
 - D HMA PAVEMENT REPAIR AND FULL DEPTH CLASS I BACKFILL
 - F2 CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I BACKFILL
 - S 1" NEW SERVICE AND SHUT-OFF VALVE
 - S1 2" NEW SERVICE AND SHUT-OFF VALVE
 - X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
 - 15 CONCRETE CURB AND GUTTER REPAIR, MATCH EXISTING AND FULL CLASS I BACKFILL
 - IP INLET PROTECTION
 - MP NEW METER PIT
 - BO BLOW OFF
 - TR TEST RISER
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.

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	APPROVED BY	NAB				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	289325-04-001				

NATHAN A. BRUNE
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA
No. 11900862
04/09/2026

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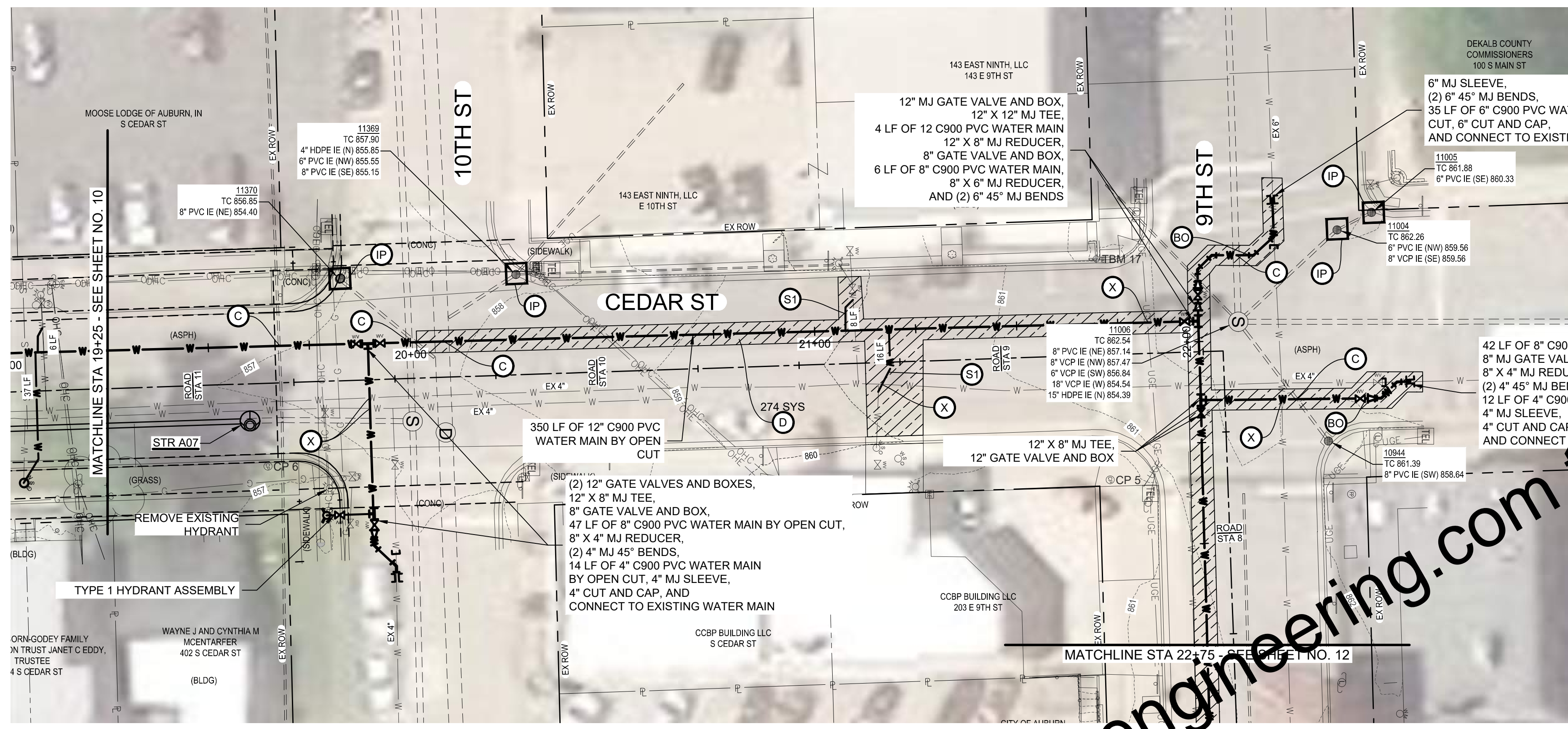
CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

CITY OF AUBURN, INDIANA

PLAN AND PROFILE - WATER LINE B

SHEET NO.
10

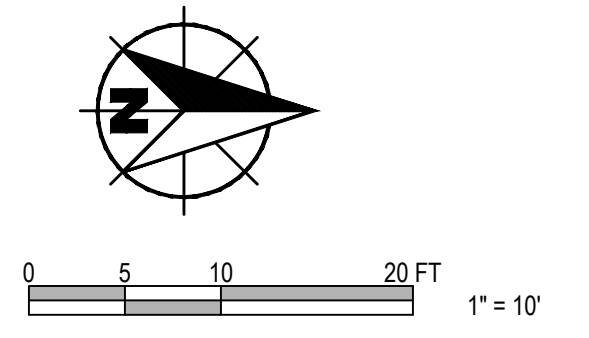
TOTAL SHEETS
20



PLAN - WATER LINE B
SCALE: 1"=20'



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



- GENERAL NOTES:**
- CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.
 - COORDINATE ALL WORK WITH THE OWNER'S SUBSEQUENTLY PLANNED STREETSCAPE PROJECT INCLUDING BUT NOT LIMITED TO LOCATION OF NEW HYDRANTS AND VALVES RELATIVE TO PLANNED SIDEWALK AND CURBLINE. FIELD VERIFY ALL SANITARY LATERAL AND WATER SERVICE LOCATIONS.
 - TRENCH SPECIAL BACKFILL REQUIRED FOR ALL NEW WATER MAINS AS SPECIFIED. TEMPORARY PAVEMENT REPAIR REQUIRED FROM STA 9+75 TO STA 20+00, AND HMA PAVEMENT REPAIR REQUIRED FROM STA 20+00 TO STA 29+15, AS SPECIFIED.

- KEYED NOTES**
- C MAINTAIN 18" VERTICAL CLEARANCE BETWEEN PROPOSED WATER AND SEWER PIPING
 - D HMA PAVEMENT REPAIR AND FULL DEPTH CLASS I BACKFILL
 - F2 CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I BACKFILL
 - S 1" NEW SERVICE AND SHUT-OFF VALVE
 - S1 2" NEW SERVICE AND SHUT-OFF VALVE
 - X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
 - 15 CONCRETE CURB AND GUTTER REPAIR, MATCH EXISTING AND FULL CLASS I BACKFILL
 - IP INLET PROTECTION
 - MP NEW METER PIT
 - BO BLOW OFF
 - TR TEST RISER
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	PROJECT NUMBER	289325-04-001				

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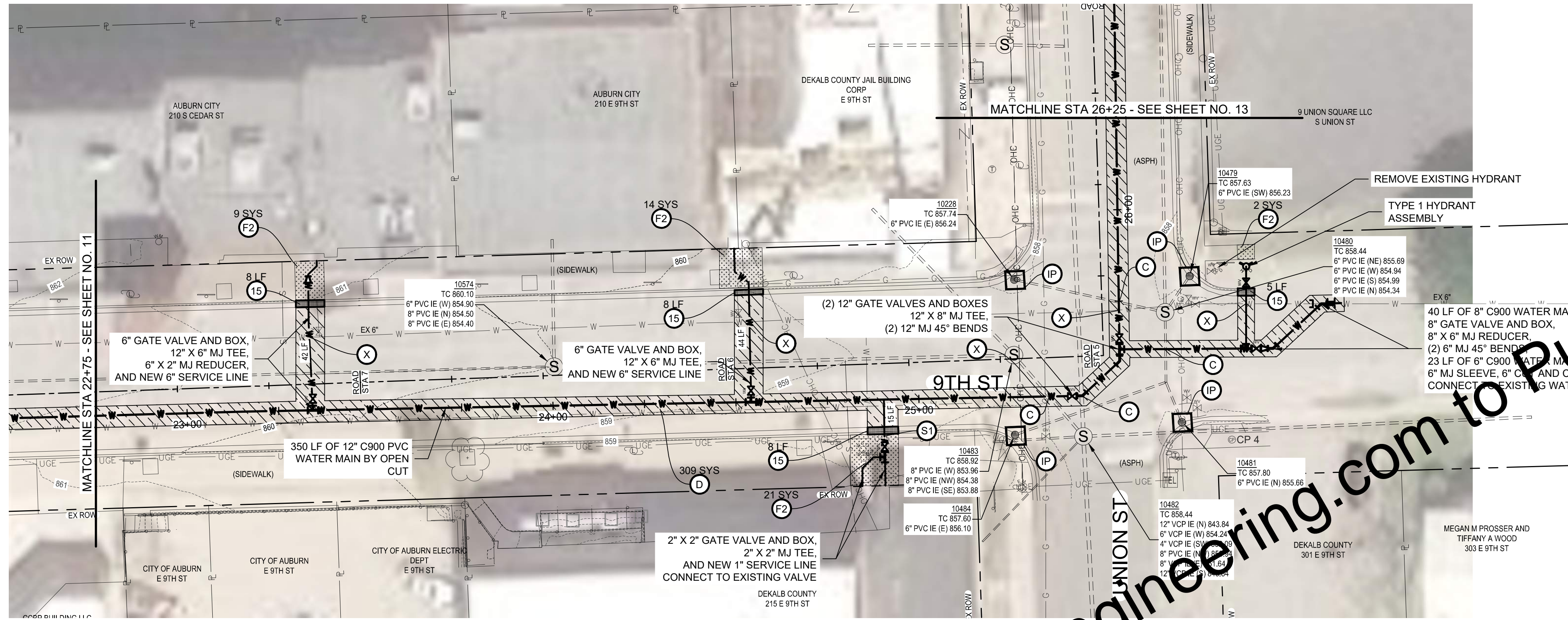
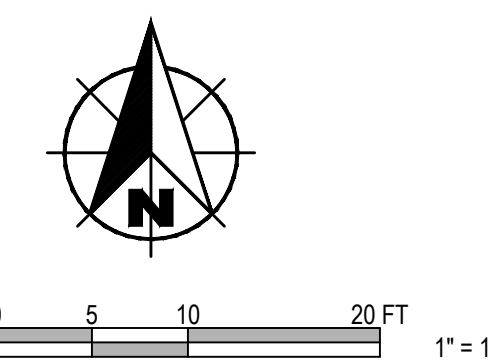
CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

CITY OF AUBURN, INDIANA

PLAN AND PROFILE - WATER LINE B

SHEET NO.	11
TOTAL SHEETS	20

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PLAN - WATER LINE B
SCALE: 1"=20'



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

GENERAL NOTES:

- CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.
- COORDINATE ALL WORK WITH THE OWNER'S SUBSEQUENTLY PLANNED STREETSCAPE PROJECT INCLUDING BUT NOT LIMITED TO LOCATION OF NEW HYDRANTS AND VALVES RELATIVE TO PLANNED SIDEWALK AND CURBLINE. FIELD VERIFY ALL SANITARY LATERAL AND WATER SERVICE LOCATIONS.
- TRENCH SPECIAL BACKFILL REQUIRED FOR ALL NEW WATER MAINS AS SPECIFIED. TEMPORARY PAVEMENT REPAIR REQUIRED FROM STA 9+75 TO STA 20+00, AND HMA PAVEMENT REPAIR REQUIRED FROM STA 20+00 TO STA 29+15, AS SPECIFIED.

KEYED NOTES

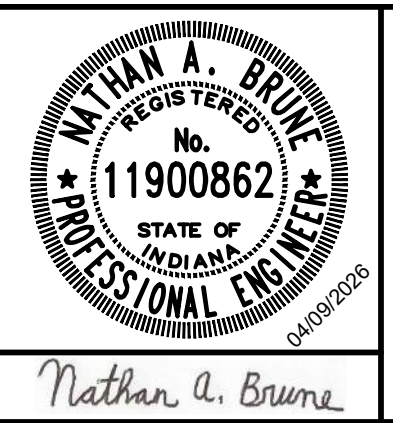
- C MAINTAIN 18" VERTICAL CLEARANCE BETWEEN PROPOSED WATER AND SEWER PIPING
- D HMA PAVEMENT REPAIR AND FULL DEPTH CLASS I BACKFILL
- F2 CONCRETE SIDEWALK REPAIR AND FULL DEPTH CLASS I BACKFILL
- S 1" NEW SERVICE AND SHUT-OFF VALVE
- S1 2" NEW SERVICE AND SHUT-OFF VALVE
- X POTENTIAL UTILITY CONFLICT FIELD VERIFY PRIOR TO CONSTRUCTION.
- 15 CONCRETE CURB AND GUTTER REPAIR, MATCH EXISTING AND FULL CLASS I BACKFILL
- IP INLET PROTECTION
- MP NEW METER PIT
- BO BLOW OFF
- TR TEST RISER

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

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	APPROVED BY	NAB				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	289325-04-001				



CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

CITY OF AUBURN, INDIANA

PLAN AND PROFILE - WATER LINE B

SHEET NO.	12
TOTAL SHEETS	20

1. Material, installation and site restoration shall comply with requirements of the City of Auburn Engineering (260-925-8264) and Water (260-925-5711) Departments.

2. All 14-inch and larger water mains shall be Pressure Class 350 ductile iron pipe in accordance with ANSI Specification A21.51. Pipes smaller than 14-inch may also be Pressure Class 350 ductile iron pipe or may be either push-joint PVC class 150 AWWA C-900 DR 18, or directional drilled fusible HDPE pipe DR 11. These same pipe materials may also be used for pipes 14-inch and larger only if prior written approval is obtained from City of Auburn Engineering and Water Departments. The smallest allowed waterline shall be 8-inch diameter, except residential dead-end street which may be 6-inch diameter, 300' maximum length water main. Water mains to cut-de-seas must extend to the nearest property line at the end of cut-de-sea to a hydrant on the end of the main. 2-inch PVC waterline around a cut-de-sea is not allowed. Cost per final foot of pipe shall include all items necessary including materials, trench dewatering, compaction, pressure testing and disinfection, site restoration, etc. for complete and usable final products.

3. Contractor shall notify the City of Auburn Engineering Department (260-925-8264) AND Water Department (260-925-5711) at least forty-eight (48) hours in advance of starting construction to make arrangements for inspection and shut down of existing water main, where required.

4. All permits, including excavation and road cut permits, necessary for the construction of a water main shall be secured from the Auburn Building Department (260-925-8449) and paid for by the Contractor, and a copy furnished to the City of Auburn Engineering Department P. O. Box 506, Auburn, IN 46706, before any construction starts.

5. Water main shall be installed with a minimum cover of 5'-0", with fire hydrants located where shown on the drawings.

6. A minimum distance of 10 feet (measured from edge to edge of pipes) shall be maintained horizontally between all water and sewer utility pipes. At any water and sewer utility pipe crossings, one full length of water pipe shall be centered so both pipe joints will be as far from the sewer line as possible. Also at any crossing, the water pipe shall be installed above the sewer pipe with a minimum of 18-inch vertical separation between the two utility pipes and 5' minimum cover over water pipe.

7. Unless otherwise approved in writing from the City of Auburn Engineering Department, all tees, plugs, valves, dead ends and bends shall be restrained using Megalug Series 1100 pipe restrainers for ductile iron pipe, or Megalug Series 2003P for PVC pipe, or approved equal, and shall use T-bolts made from corrosion resistant steel, such as Cor-Blue or other approved Xylan coated bolts & nuts or stainless steel for fastening. No concrete thrust blocking is allowed as a means of pipe restraint.

8. Auburn Water city employees (260-925-5711) shall witness the required pressure testing (minimum 150 psi for 2 hours, or 200 psi for private fire service mains per NFPA 24, with maximum 5 psi pressure drop) and water sampling collections after sterilization (per AWWA C-601). Two separate bacteriological tests (24 hours apart) samples shall be taken to a certified lab by the Contractor for testing analysis, at Contractor's expense, and a copy of all tests shall be sent to Water Department. Contractor shall contact Water Department to coordinate scheduling and sample witnessing of all events. Contractor shall supply own sample bottles. Pressure test shall be complete before bacteriological sampling is done. All water services shall be installed and pressure tested with the water main.

9. A set of As-Built "Record Drawings" and a typed tap locations sheet shall be furnished by Engineer of record and Contractor to the Auburn City Engineer for review and acceptance within 60 days after construction, and prior to Board of Public Works acceptance of utility. All material and workmanship shall be guaranteed to the City of Auburn by the Developer and/or Contractor for a period of three years (Through a maintenance bond) from the date of project acceptance by the City of Auburn Board of Works.

10. The Contractor shall meet with the City Engineer and Water Department Superintendent at least 48 hours in advance of starting construction to review the following items:

- Process a Water Tap Application form.
- Provide certificate of insurance.
- Discuss the method of pipe restraining, filling, flushing, chlorination, pressure testing and sampling of water lines; and determine the number and location of chlorination lines, along with pressure testing procedures.

11. When trenching PVC, Ductile Iron, or directional drilled fusible HDPE water main or PVC service tap lines are installed, Contractor shall furnish and install one continuous #10 insulated copper tracer wire (solid core wire, not twisted type) taped to the top of all pipe, with same wire being connected to all iron bend fittings, and shall be brought up to the surface along the outside of all mainline valve boxes and all fire hydrant auxiliary valve boxes through a small cut slit or drilled hole near top of each valve box, including 2 feet of tracer wire inside for easy access for future tracing. The tracer wire is installed this way to keep it from wrapping around the valve wrench. Connect tracer wire for all services and all laterals to tracer wire on main using Dryconn waterproof connector #90220 or equal.

12. Service taps shall be installed, if shown, by the Contractor during installation of the water main. Service taps shall be installed from the water main to the service box, and shall include a new service box. Contractor shall install an "extension type" arch style with pentagon access plug service box with 2" stainless steel extension rod, and shall be installed as shown on design details. Any taps crossing the pavement shall be constructed as shown in the water services connection detail. Service taps, if PVC, shall be equivalent to 200 psi copper tube size material, and shall have copper tracer wire per note #11 above. Attach tracer wire to curb box by stripping 18" of sheath, wrap around curb stop nut two times, twist and tape with electrical tape. Minimum residential tap size in new subdivisions shall be no less than 1 inch diameter. Location of taps at P/L or R/W line (service box) shall be marked for future connection with 3/4" diameter PVC pipe exposed 3' above final ground level, and painted blue, per details.

CONTINUED ON SHEET W1A

City of **AUBURN** INDIANA
"Home of the Classics"

AUBURN WATER DEPT.

TYPICAL WATER DETAIL
NOT TO SCALE
DATE: MAR 2, 2023
DRAWING W1

WATER GENERAL NOTES

13. All waterline valves, including fire hydrant valves shall be AWWA approved, and shall open counter-clockwise. Valves 16-inch and larger shall be butterfly valve type, and valves smaller than 16-inch shall be resilient seated gate valve type. All valves installed shall also include a two piece 5 1/4" roadway valve box and a two-piece "Valve Box Aligner Centering Piece", manufactured by Box-Lok, over valve nut for proper alignment of roadway valve box.

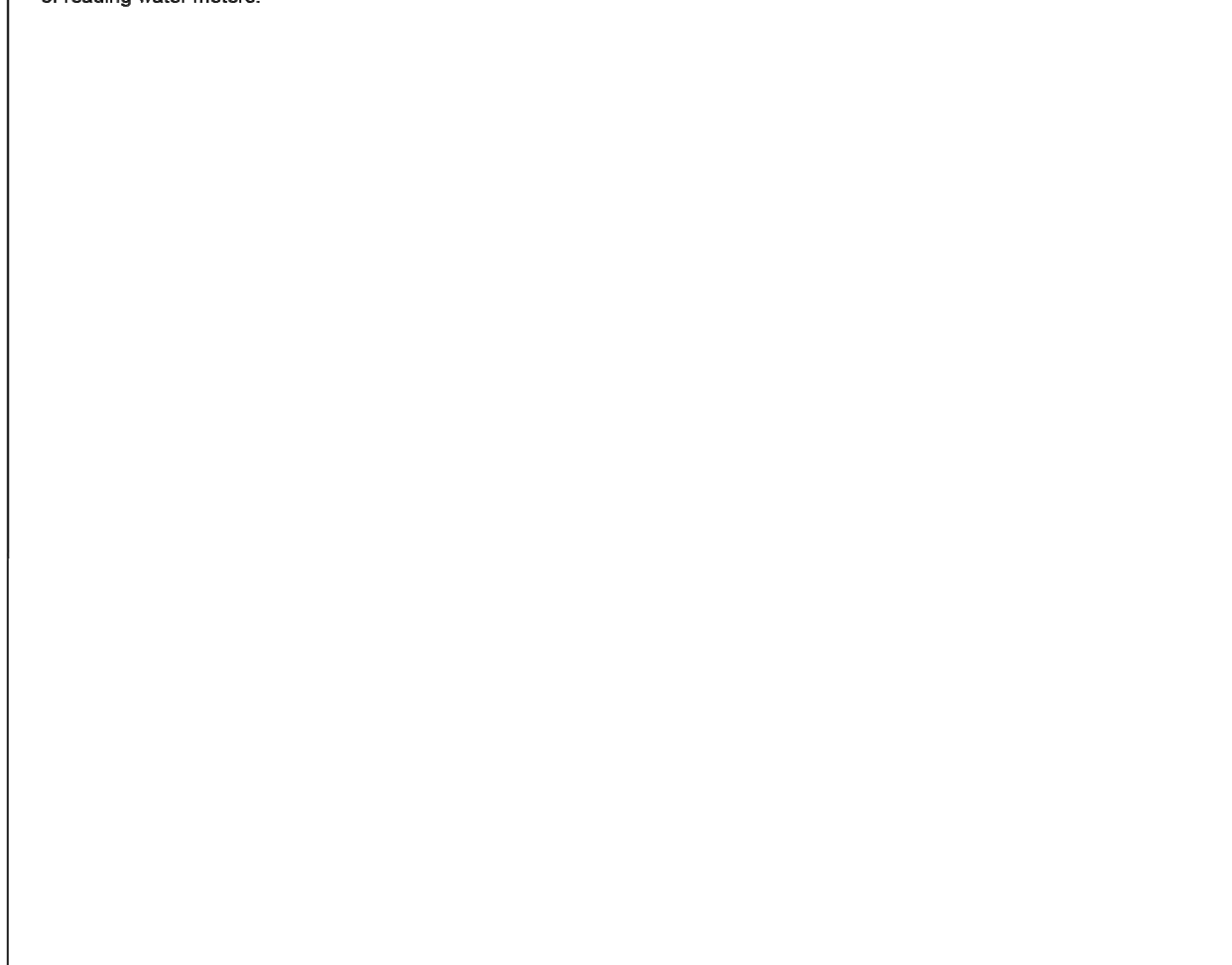
14. Fire Hydrants shall be factory painted with two coats of "Safety Yellow" color enamel.

15. All material and workmanship shall be guaranteed to the City of Auburn for three years by Contractor providing a maintenance bond in the amount of ten percent (10%) of the final construction contract price. Warranty period shall begin when all punch list items are completed and maintenance bond shall be submitted with final pay application.

16. Approved Manufacturers:

Fittings & MJ Fittings	Butterfly Valves/AWWA C-504	Hydrants/AWWA C-502	Gate Valves/AWWA C-509
Must be AWWA C-153 compliant	ValMatic 150B or 250B	Waterous Pacer WB67	(must be resilient seated)
	Mueller/Pratt Linesall III 150B or 250B	Kennedy K-81 Guardian	American Flow Control Series 2500
	Clow 4500 Series Class 250	Mueller A403 Super Centurion	Mueller A2360
		Clow Medation	Clow 2638 F6100 RW
			Kennedy KS-RW

17. Auburn Water may require street lamp fixtures installed in new developments outside Auburn Electric/Water Territory to be individually photocontrolled at the future. Street lamp fixtures shall be compatible with the City's AMI Infrastructure for purposes of reading water meters.

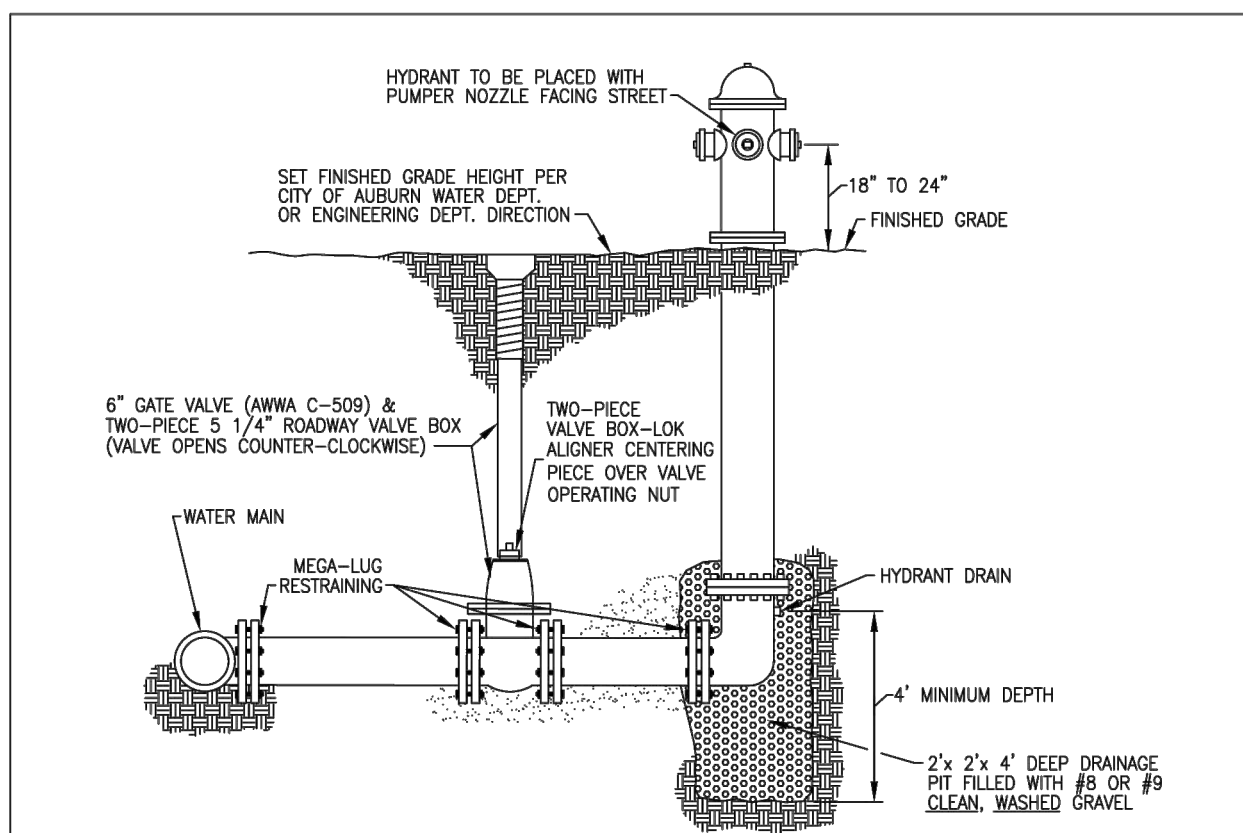


City of **AUBURN** INDIANA
"Home of the Classics"

AUBURN WATER DEPT.

TYPICAL WATER DETAIL
NOT TO SCALE
DATE: MAR 2, 2023
DRAWING W1A

WATER GENERAL NOTES



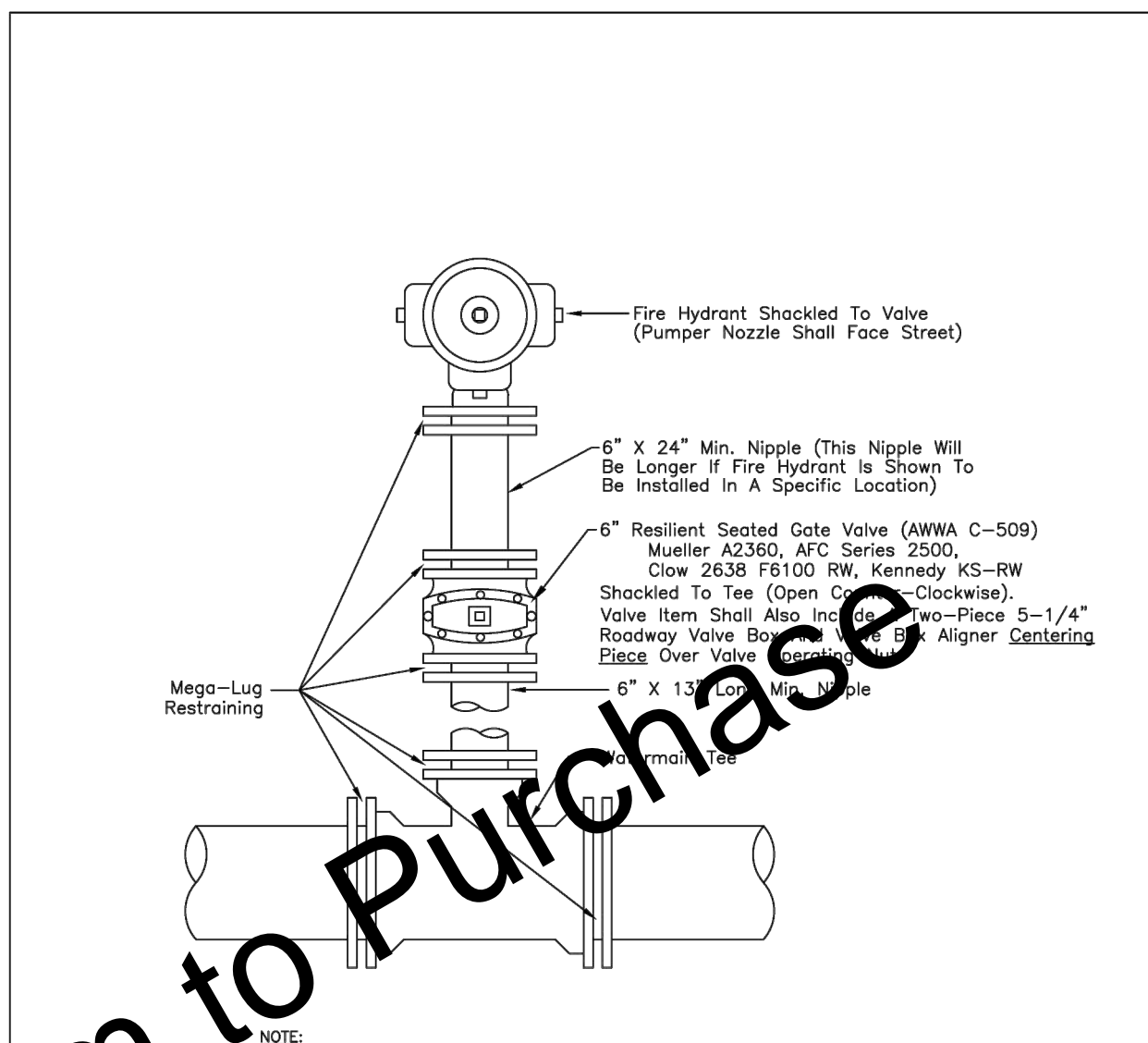
- NOTES:
- Hydrant Manufacturer Shall Be WATEROUS (Pacer WB-67), Or MUELLER (A403 Super Centurion), Or Clow Medation, Or KENNEDY (Guardian 483).
 - Hydrant Hose And Pumper Connection Threads Shall Be "National Fire Thread".
 - Hydrant Shall Be Factory Painted With Two Coats Of "Safety Yellow" Color Enamel.
 - Refer To Restraining Details For Restrainer Requirements.
 - Pumper Nozzle Face Shall Be 4'-0" Minimum From Back Of Curb And/Or 6" Minimum From Sidewalk.
 - Fire Hydrant Assembly Item To Include: Fire Hydrant, 6" Gate Valve & Two-Piece Roadway Valve Box With Valve "Box-Lok" Aligner Centering Piece, And All Tees, Fittings, Pipes, Etc. To And Including The Mainline Tee Fitting. All Fire Hydrants Shall Meet The Current Requirements Of AWWA C-502.
 - Fire Hydrants Shall Be Provided At Each Street Intersection And At Intermediate Points Along The Water Mains Running Between Intersections Spaced A Maximum Of 500 Feet Apart And Not More Than 500 Feet From The Furthest Point Of Any Structure In Any Single Family Residential District, Not More Than 300 Feet Apart And Not More Than 500 Feet From The Furthest Point Of Any Structure In Any Multi-Family, Commercial Or Industrial District Or Adjacent To Any Hospital, Nursing Home, Mental Health Institution, Health Maintenance Organization, Aylum, Educational Institution, Private School Or Place Of Worship, And Shall Be Of A Design Approved By The Auburn Fire Department And The City of Auburn Fire Department. This Requirement Applies To New Or Extensions Of Public Or Private Water Systems Attached To A Public Water System (Per City Ordinance 53.114).
 - Valve And Valve Box Shall Not Be Installed In Hard Surface Area.

City of **AUBURN** INDIANA
"Home of the Classics"

AUBURN WATER DEPT.

TYPICAL WATER DETAIL
NOT TO SCALE
DATE: MAR 2, 2023
DRAWING W2

FIRE HYDRANT DETAIL

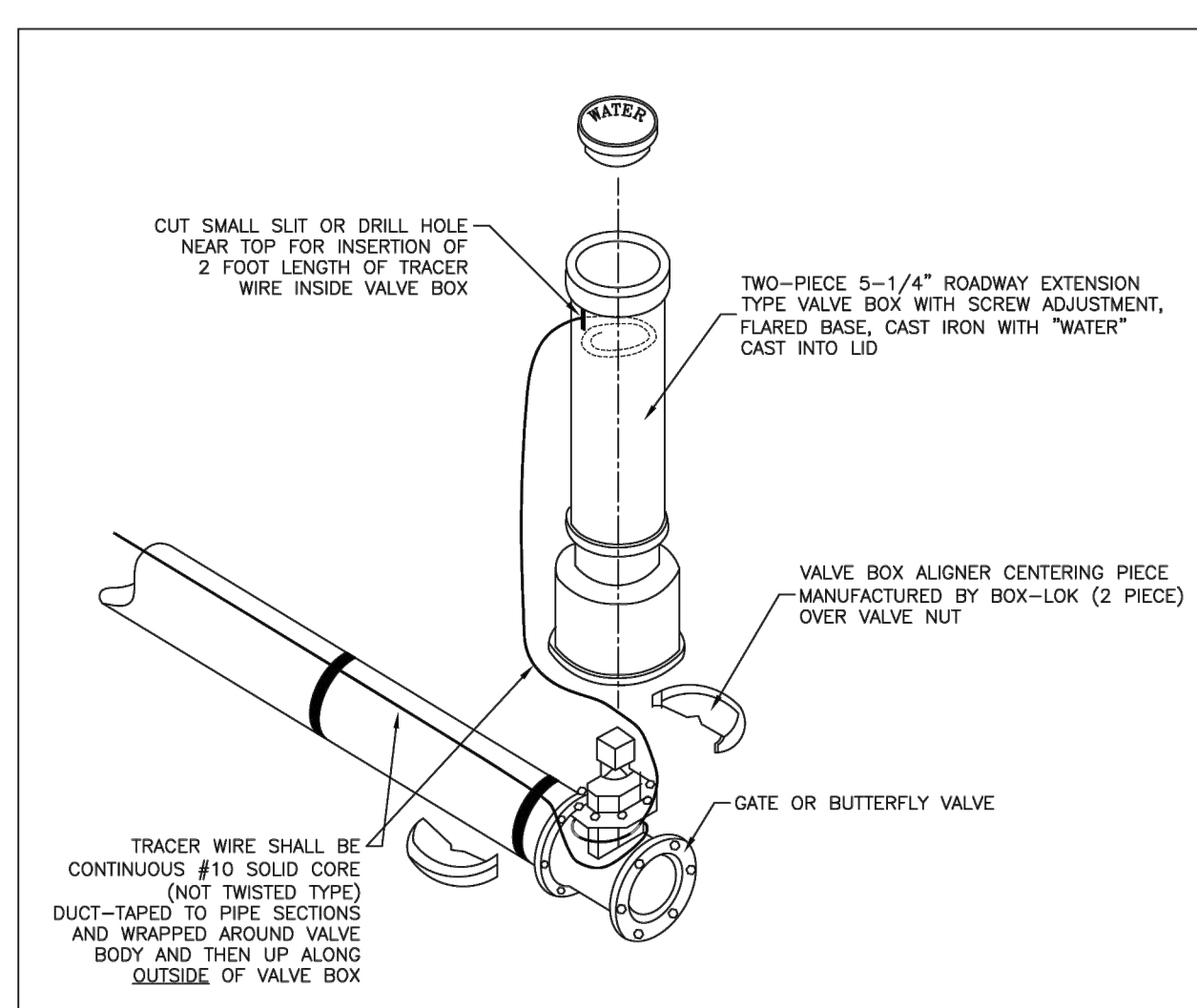


City of **AUBURN** INDIANA
"Home of the Classics"

AUBURN WATER DEPT.

TYPICAL WATER DETAIL
NOT TO SCALE
DATE: MAR 13, 2019
DRAWING W3

FIRE HYDRANT ASSEMBLY (TYPE I)



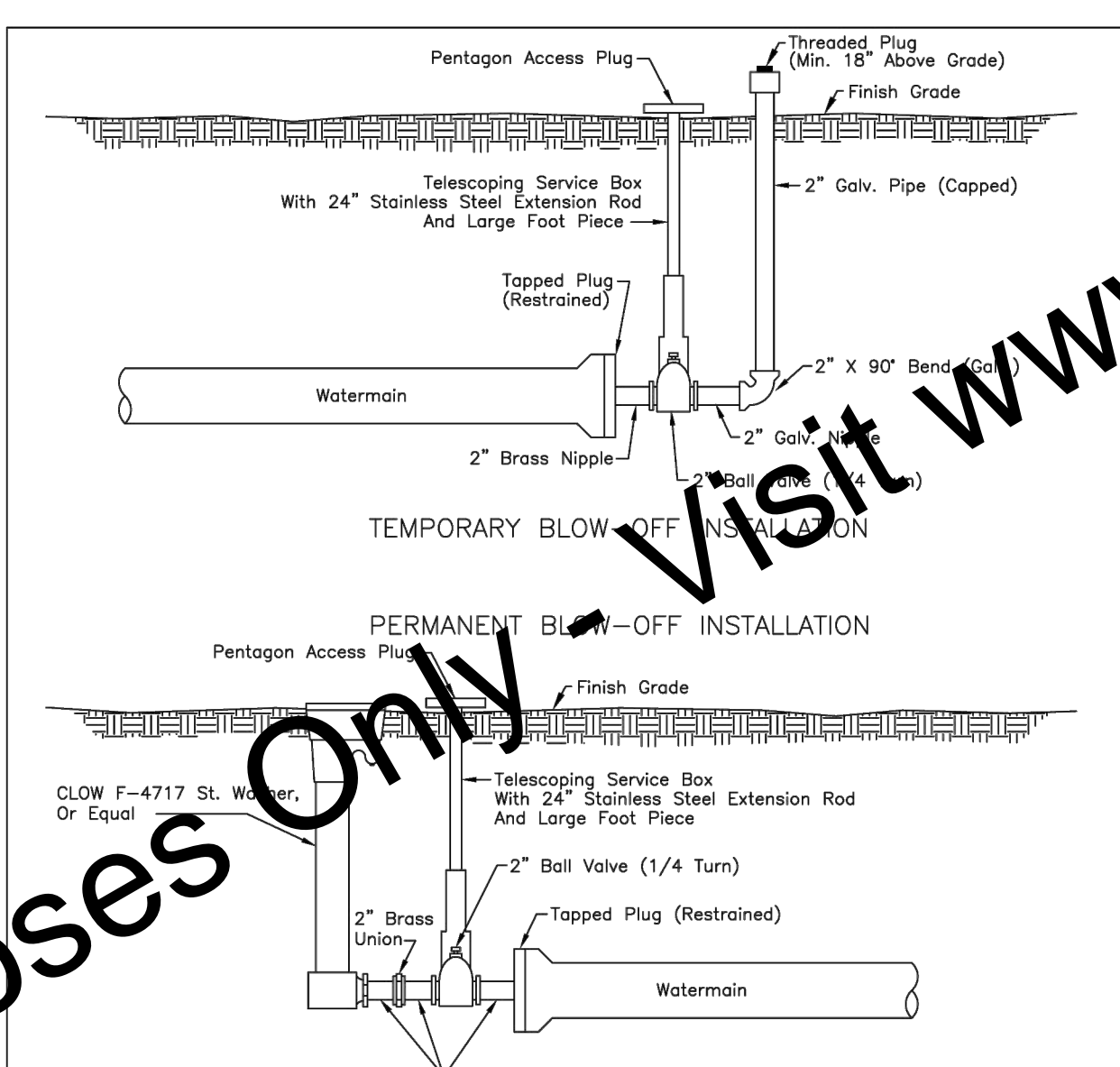
- NOTES:
- Tracer Wire Shall Be Installed This Way To Keep It From Wrapping Around Valve Wrench While Opening Or Closing The Valve.
 - Valve and Valve Box Shall Not Be Installed In Hard Surface Area.

City of **AUBURN** INDIANA
"Home of the Classics"

AUBURN WATER DEPT.

TYPICAL WATER DETAIL
NOT TO SCALE
DATE: MAR 2, 2022
DRAWING W8A

VALVE BOX WITH TRACER WIRE



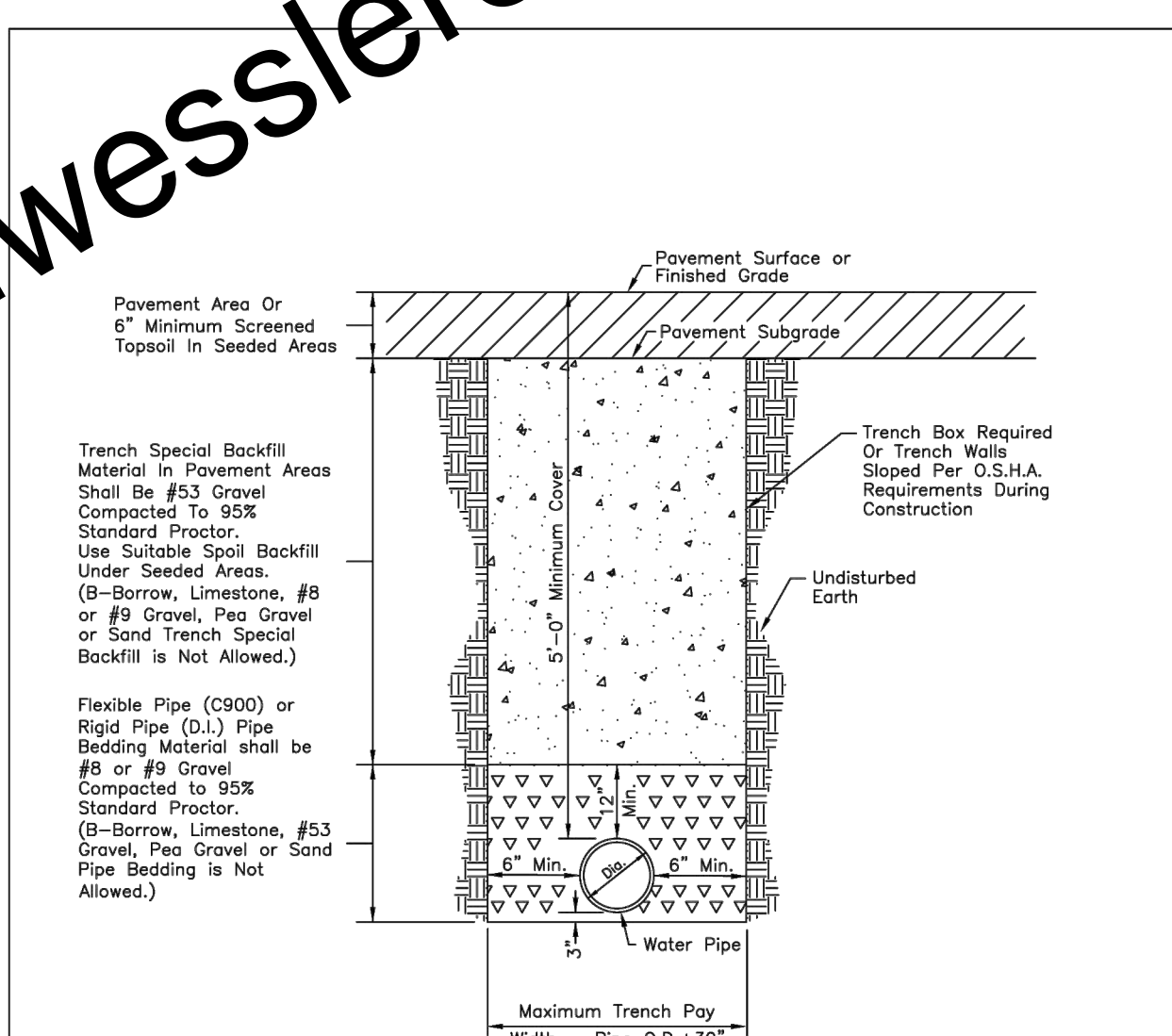
- NOTES:
- Consult With Auburn City Engineering Department (260-925-8264) To See If This Blow-Off Can Be Used Instead Of A Fire Hydrant At End Of Dead End Line.
 - Valve and Valve Box Shall Not Be Installed In Hard Surface Area.

City of **AUBURN** INDIANA
"Home of the Classics"

AUBURN WATER DEPT.

TYPICAL WATER DETAIL
NOT TO SCALE
DATE: MAR 13, 2019
DRAWING W9

TEMPORARY AND PERMANENT BLOW-OFF INSTALLATION

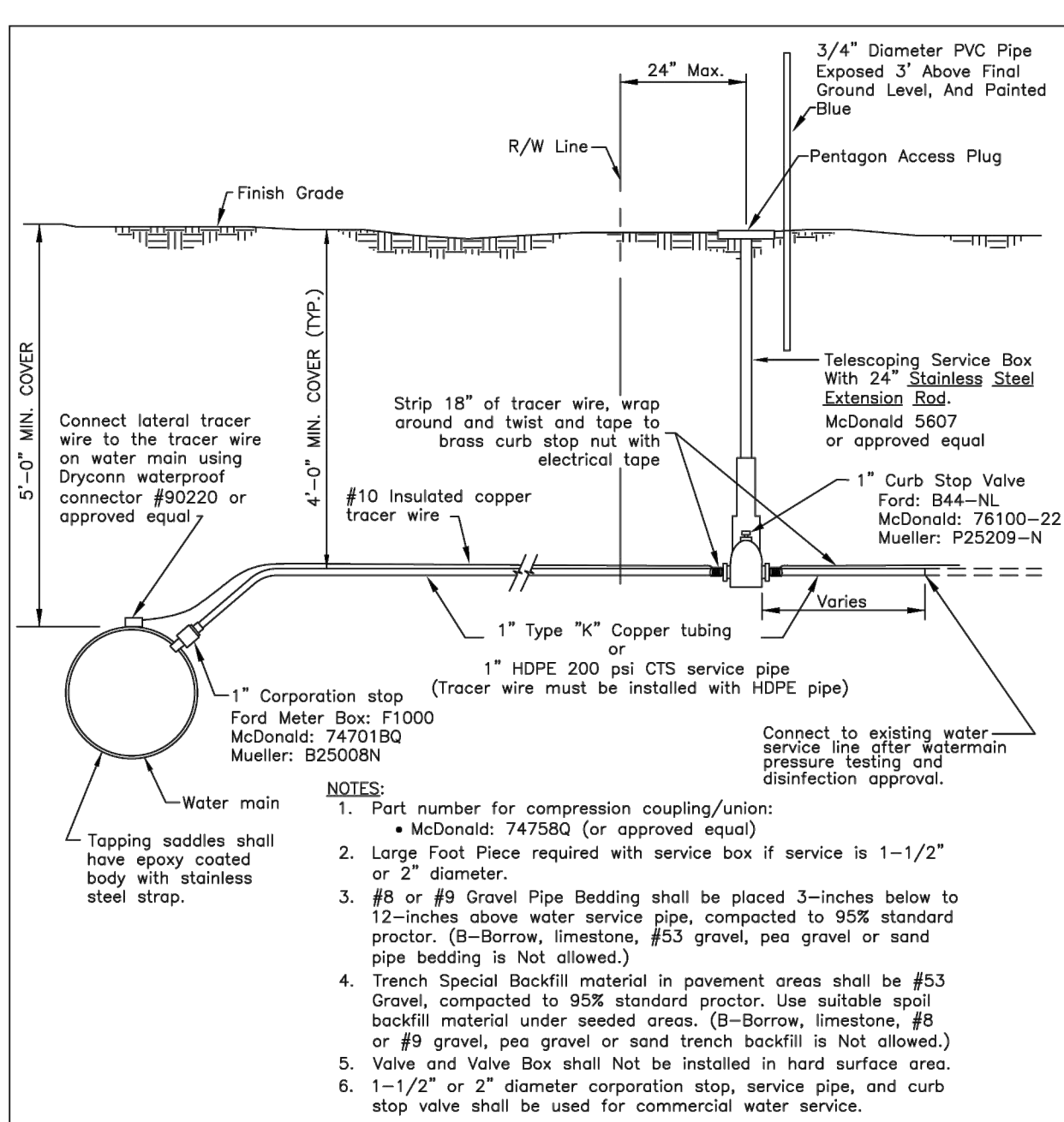


City of **AUBURN** INDIANA
"Home of the Classics"

AUBURN WATER DEPT.

TYPICAL WATER DETAIL
NOT TO SCALE
DATE: AUG 29, 2017
DRAWING W10

WATER PIPE BEDDING AND TRENCH DETAIL



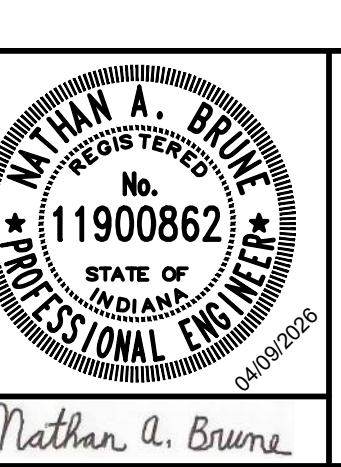
City of **AUBURN** INDIANA
"Home of the Classics"

AUBURN WATER DEPT.

TYPICAL WATER DETAIL
NOT TO SCALE
DATE: FEB 19, 2026
DRAWING W12

WATER SERVICE CONNECTION WITH SERVICE BOX

SCALE VERIFICATION	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	ALT				
	APPROVED BY	NAB				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	289325-04-001				



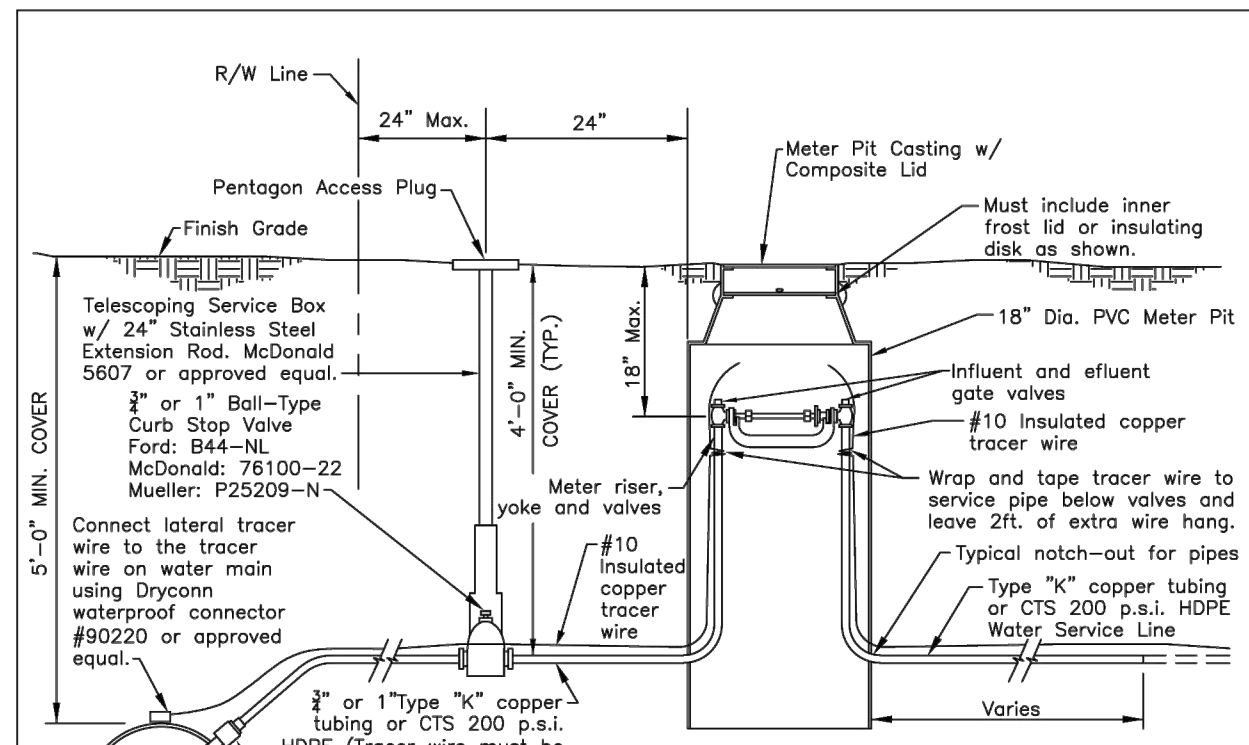
CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

CITY OF AUBURN, INDIANA

MISCELLANEOUS DETAILS

SHEET NO. **14**

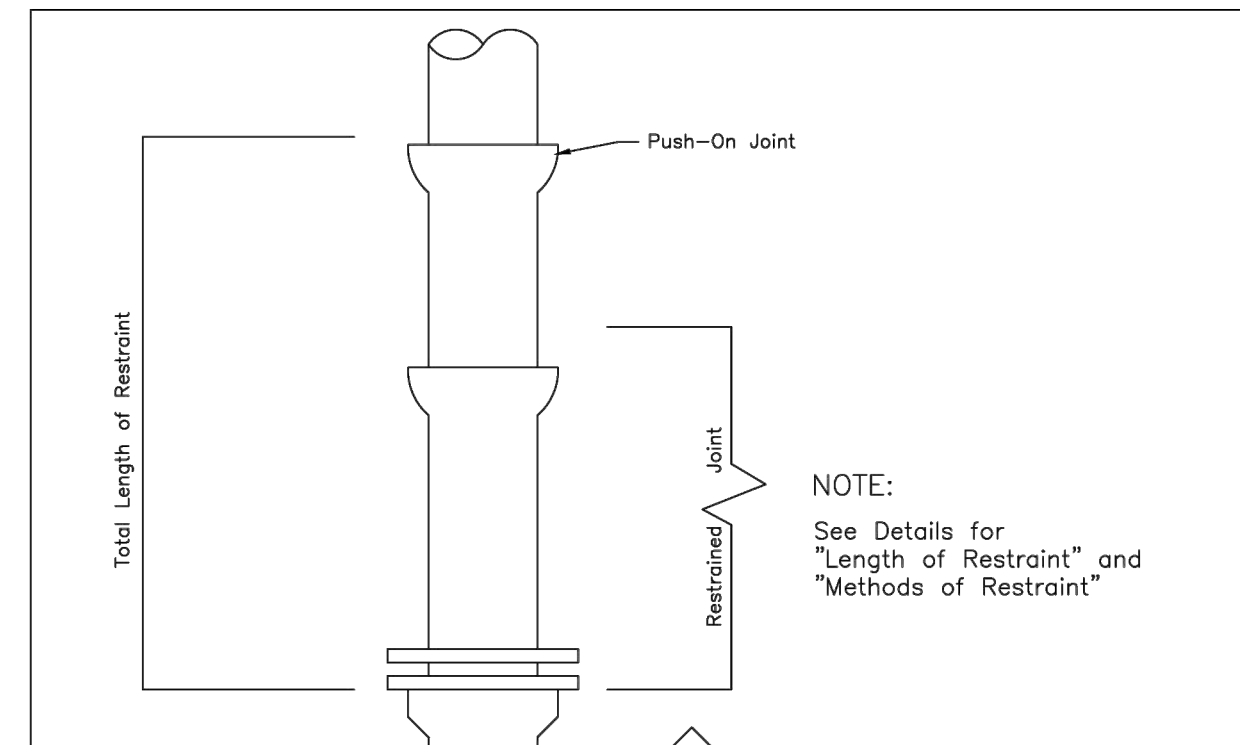
TOTAL SHEETS **20**



- NOTES:**
- If PVC service top pipe is installed, material shall be equivalent to 200 p.s.i. copper tube size material with tracer wire taped to pipe.
 - Meter Pit, inside components and coating are purchased and installed by Contractor, or purchased from the City of Auburn Water Department.
 - If a 1/2" or larger water service line is installed, then a larger meter pit (Concrete Manhole) shall be purchased and installed by Contractor. See Detail W13A.
 - Backflow prevention may be required at discretion of Auburn Water Department.
 - #8 or #9 Gravel Pipe Bedding shall be placed 3-inches below to 12-inches above water service pipe, compacted to 95% standard proctor. (B-Borrow, limestone, #53 gravel, pea gravel or sand pipe bedding is Not allowed.)
 - Trench Special Backfill material in pavement areas shall be #53 Gravel, compacted to 95% standard proctor. Use suitable spall backfill material under seeded areas. (B-Borrow, limestone, #8 or #9 gravel, pea gravel or sand trench backfill is Not allowed.)
 - Valve and Valve Box shall Not be installed in hard surface area.

3/4" OR 1" WATER SERVICE CONNECTION WITH PVC METER PIT

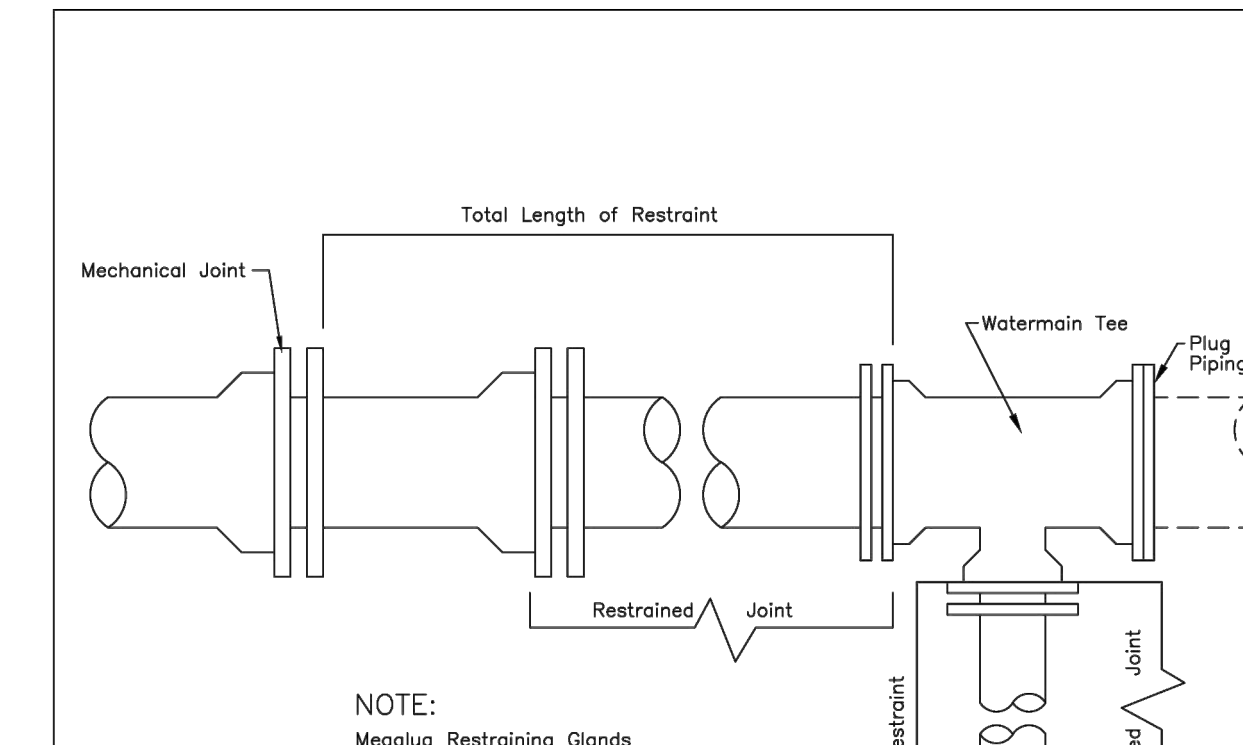
City of **AUBURN INDIANA**
AUBURN WATER DEPT.
 TYPICAL WATER DETAIL NOT TO SCALE
 DATE: MAR 2, 2022
 DRAWING W13
 3/4" OR 1" WATER SERVICE CONNECTION WITH PVC METER PIT



- NOTE:**
 See Details for "Length of Restraint" and "Methods of Restraint"

RESTRAINT OF BENDS

City of **AUBURN INDIANA**
AUBURN WATER DEPT.
 TYPICAL WATER DETAIL NOT TO SCALE
 DATE: JAN 1, 2017
 DRAWING W15
 RESTRAINT OF BENDS



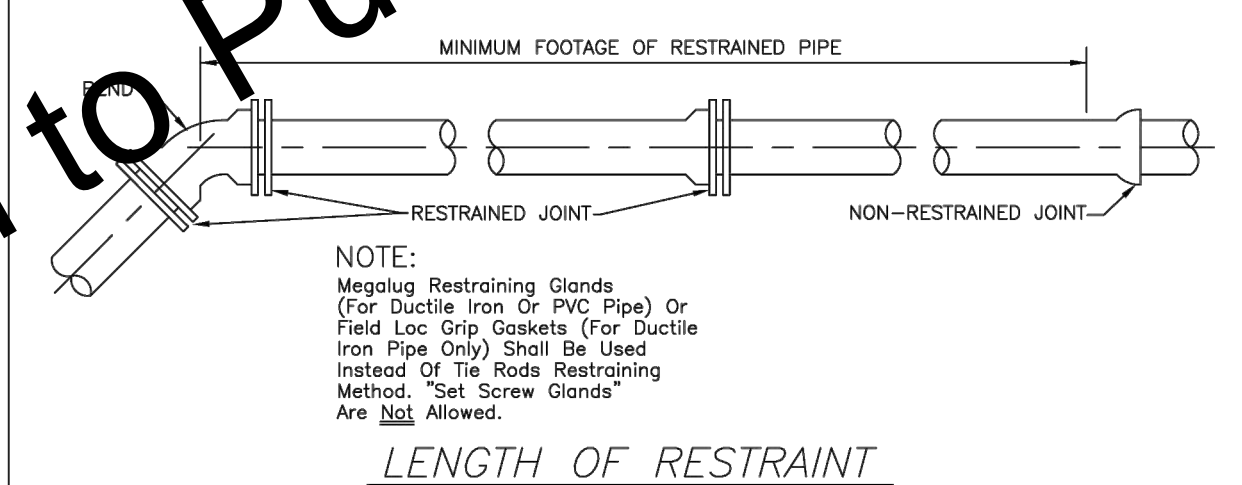
- NOTE:**
 Length of Restraint same as for 90° Bends & Dead Ends. See Details for "Length of Restraint" and "Methods of Restraint"

RESTRAINT OF TEES

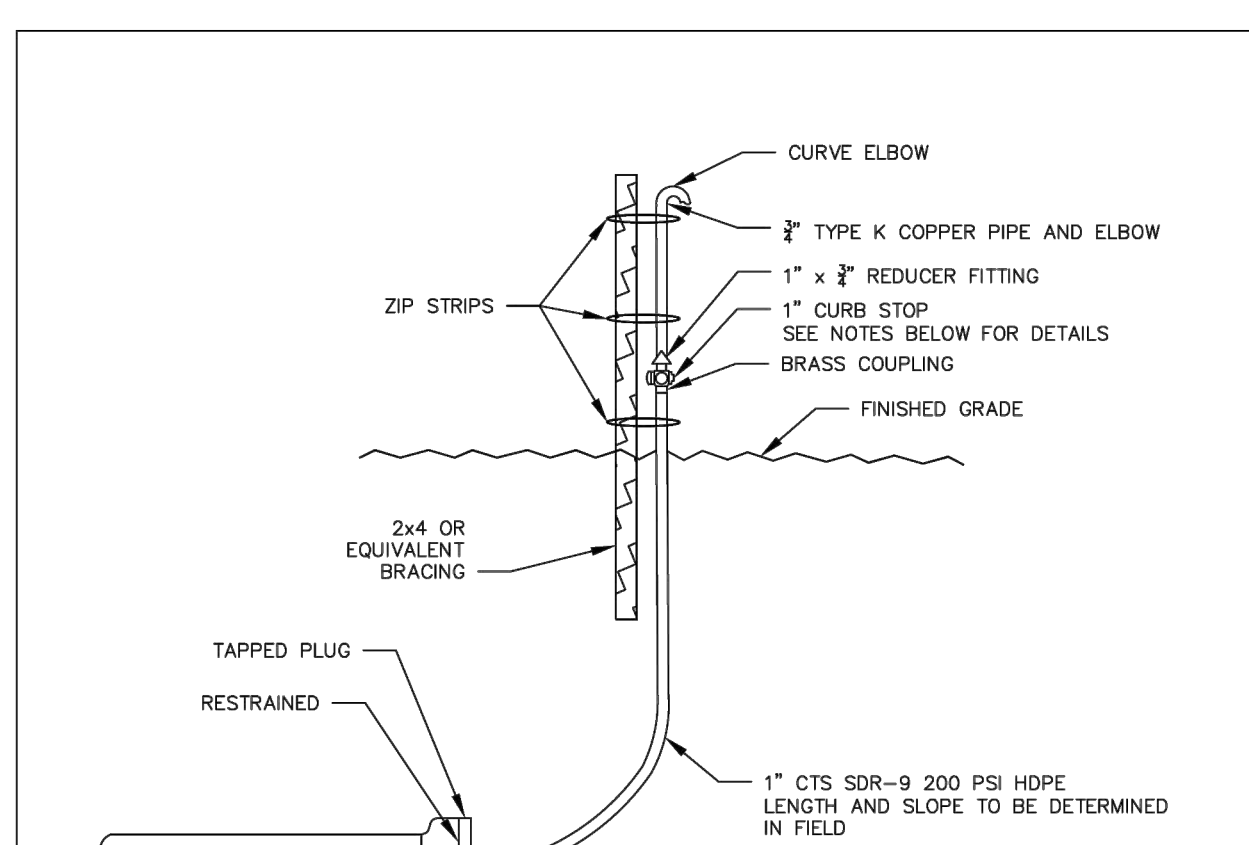
City of **AUBURN INDIANA**
AUBURN WATER DEPT.
 TYPICAL WATER DETAIL NOT TO SCALE
 DATE: JAN 1, 2017
 DRAWING W16
 RESTRAINT OF TEES

MINIMUM RESTRAINING FOOTAGE OF PIPE FOR VARIOUS DIAMETERS & DEGREES OF PVC & DUCTILE IRON BENDS

PIPE DIA.	DEGREE OF BEND							
	11 1/2° BEND		22 1/2° BEND		45° BEND		90° TEE OR DEAD END	
4"	4'	5'	8'	4'	5'	8'	4'	5'
6"	—	—	—	—	—	—	3'	2'
8"	—	—	—	2'	—	—	5'	4'
10"	—	—	—	2'	2'	—	6'	5'
12"	—	—	—	3'	2'	1'	8'	7'
16"	—	—	—	3'	3'	2'	12'	9'
20"	2'	1'	—	5'	4'	3'	17'	14'
24"	2'	2'	—	6'	5'	3'	18'	12'
30"	2'	2'	—	7'	6'	4'	22'	14'
36"	3'	3'	—	9'	7'	5'	26'	18'
42"	3'	3'	—	11'	7'	6'	39'	21'
48"	4'	3'	—	11'	7'	7'	42'	24'
54"	4'	3'	—	11'	7'	7'	47'	26'



City of **AUBURN INDIANA**
AUBURN WATER DEPT.
 TYPICAL WATER DETAIL NOT TO SCALE
 DATE: JAN 1, 2017
 DRAWING W18
 LENGTH OF RESTRAINT



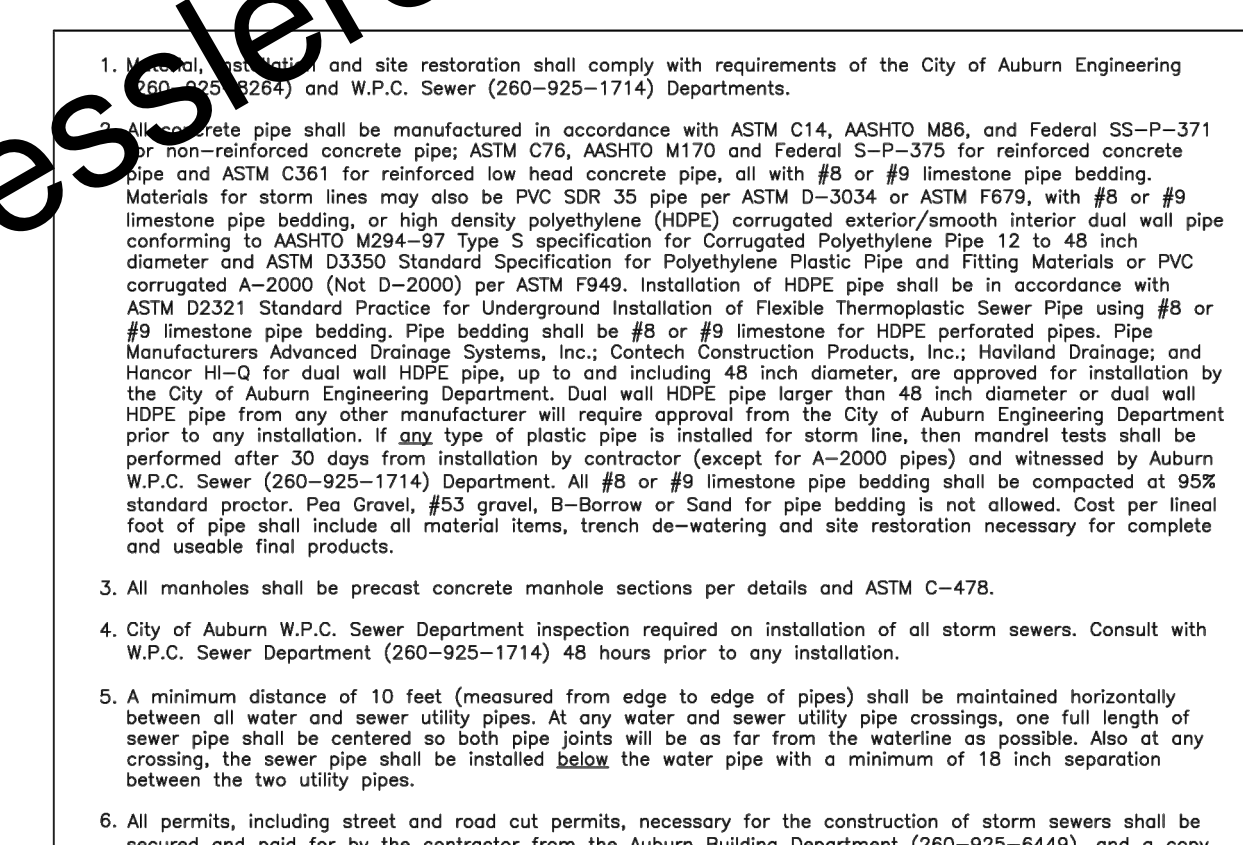
- NOTES:**
- FOR TEST RISER LOCATIONS NOT PROPOSED TO BE IN PAVEMENT, CURB STOP SHALL BE INSTALLED MIN. OF 1 FT. ABOVE FINISHED GRADE.
 - FOR TEST RISER LOCATIONS PROPOSED TO BE IN PAVEMENT, CORPORATION STOP SHALL BE INSTALLED MIN. BELOW FINISHED GRADE IN VALVE BOX OR COPPER SHALL BE EXTENDED FROM ASPHALT PAVEMENT OUTSIDE PAVEMENT. SEE "TEST RISER IN PAVEMENT" DETAIL.
 - TEST RISERS SHALL BE INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.
 - TEST RISER REMOVAL SHALL CONSIST OF CLOSING LOWER CORPORATION.
 - ALL MATERIALS FURNISHED BY AND INSTALLED BY CONTRACTOR, UNLESS OTHERWISE SPECIFIED.

City of **AUBURN INDIANA**
AUBURN WATER DEPT.
 TYPICAL WATER DETAIL NOT TO SCALE
 DATE: NOV 20, 2020
 DRAWING W21
 TEST RISER



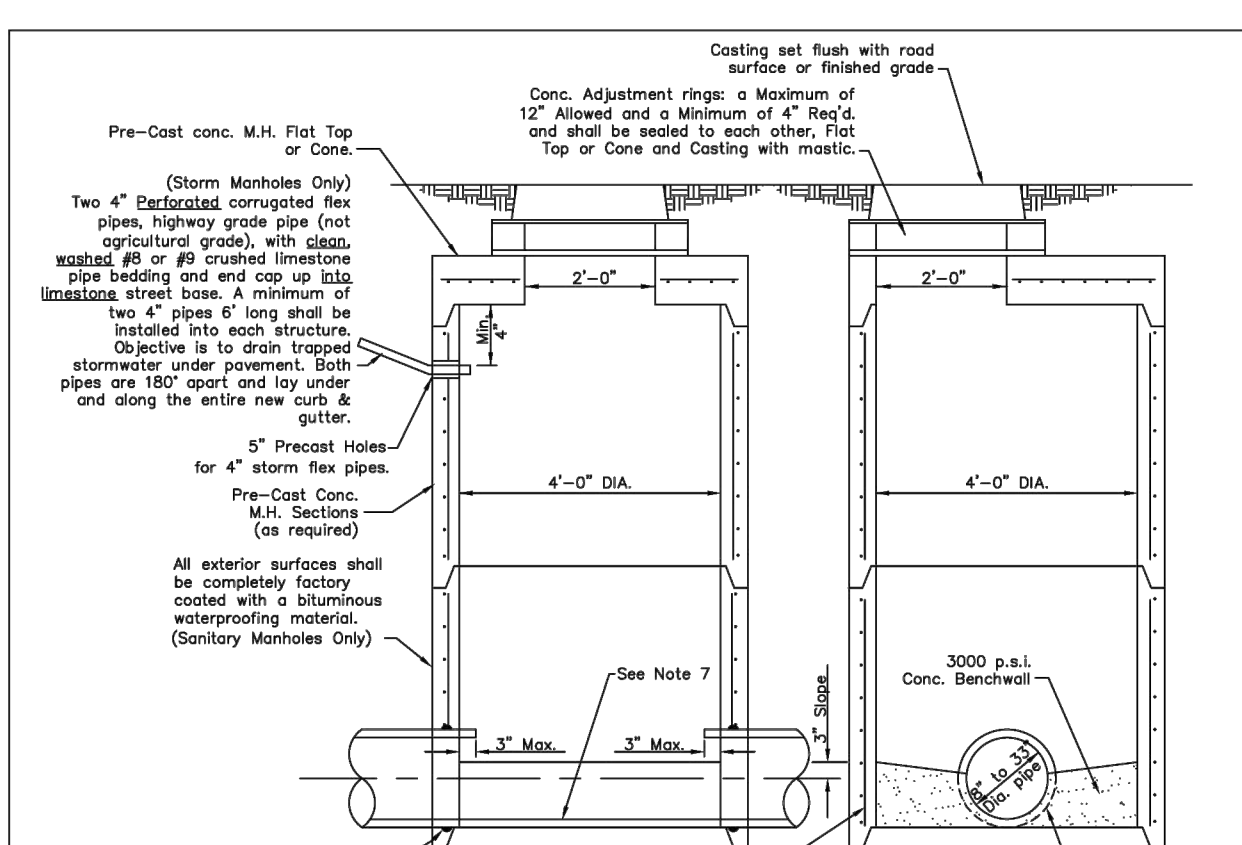
- Material, installation and site restoration shall comply with requirements of the City of Auburn Engineering (260-925-8264) and W.P.C. Sewer (260-925-1714) Departments.
- All sanitary pipe shall be PVC Pipe ASTM D-3034 (sizes 4" to 15") and ASTM F679 (sizes 18" to 48"), SDR 35 (up to 15 feet deep) or SDR 26 (15 to 20 feet deep); or ASTM D-2241, SDR 21 (20 to 25 feet deep), all with #8 or #9 crushed limestone pipe bedding under pavement areas, all compacted at 95% standard proctor. B-Borrow, Pea Gravel or sand for pipe bedding and trench backfill under pavement areas is not allowed. Cost per lineal foot of pipe shall include the installation of all material items, trench dewatering, trench pipe bedding and backfill standard proctor, site restoration and successful testing necessary for complete and useable final products. PVC sewer force main pipe shall be pressure class 150 AWWA C-900 DR10, or fusible directional drilled HDPE DR11. All force main tees, plugs, valves, dead ends and bends shall be restrained using Megalug B series 1100 pipe restraints, or approved equal, and shall be T-bolts made from corrosion resistant steel, such as Cor-Ten steel for fastening. No concrete thrust blocking is allowed as a means of pipe restraint. When anchored PVC or Directional Drilled sewer force main pipe to the surface along the outside of all manholes and then under the casting for easy access.
- All manholes shall be precast concrete manhole sections per details and ASTM C-478.
- City of Auburn W.P.C. Sewer Department inspection required on installation and testing of all sanitary sewers. Consult with W.P.C. Sewer Department (260-925-1714) 48 hours prior to casting or testing. All sanitary sewer pipe deflection (Mandrel) and leakage (Air) tests shall be performed in accordance with ASTM C-478. A deflection (Mandrel) test must be performed on each flexible pipe section the length of thirty (30) days after the placement of the final backfill. Each pipe must not exceed a deflection of five percent (5%). Mandrel: The diameter of mandrel used for a deflection test must not be less than five percent (5%) of the base inside diameter of the pipe to be tested, dependent on which pipe material and corresponding ASTM standard. The mandrel test must not be performed with the pipe installed in a trench. All gravity plastic sewer pipe must be air tested in accordance with ASTM C-478 (latest edition), Standard Test Method for Installation Acceptance of Plastic Gravity Sewer Lines Using Negative Air Pressure. All force main pipes must be pressure and leak tested in accordance with AWWA Standard C905-94, AWWA Standard for Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipes and Fittings for Water (latest edition). All sanitary sewer manholes shall be vacuum tested in accordance with F-327 IAC 3-6-16(j) per ASTM C1244-93 (latest edition), Standard Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test. Maximum allowable infiltration shall not exceed 200 gals./hr./sq. ft. of surface area of pipe, per an additional wet test performed by W.P.C. Sewer Department.
- All 6-inch tops shall have a minimum of 1/4-inch per foot slope (2%) and shall be extended to the P/L or R/W lines; 8-inch tops shall be in the drawing under proposed pavement, shoulders and within 10 feet of shoulders shall be bedded, backfilled and compacted with same materials discussed above and per details. Locking pipe tops at P/L or R/W line shall be marked for future connection with 3/4" Dia. PVC pipe exposed 3" above final ground level at end of top and pointed green, per details. A minimum distance of 10 feet (measured from edge to edge of pipes) shall be maintained horizontally between all water and sewer utility pipes. At any water and sewer utility pipe crossings, one full length of sewer pipe shall be centered so both pipe joints will be as far from the waterline as possible. Also at any crossing, the sewer pipe shall be installed below the water pipe with a minimum of 18 inch separation between the two utility pipes.
- All permits, including street and road cut permits, necessary for the construction of sanitary or storm sewers shall be secured from the Auburn Building Department (260-925-6448), and paid for by the contractor, and a copy furnished to the City of Auburn Engineering Department P.O. Box 506, Auburn, IN 48706, before any construction starts.
- Contractor shall furnish one set of "Record As-Built Drawings" to Auburn City Engineering Department for review showing location of main lines and tops and elevations, and all encountered field tile locations within 60 days after completed construction and prior to Auburn City Engineering Department acceptance of utility. Contact Engineering Department (260-925-8264) for submission requirements. All items of construction shall be completed (including all "punch list" items) prior to approval by City of Auburn Dept. of Works.
- All material and workmanship shall be guaranteed to the City of Auburn for three years by Contractor providing a maintenance bond in the amount of ten percent (10%) of the final construction contract price. Warranty period shall begin when all punch list items are completed and maintenance bond shall be submitted with final pay application.
- Contractor shall repair and reconnect all existing field tiles cut during construction, with SDR 35 or SDR 26 PVC pipe and Fernco rubber fitting at each end. Show size and location of all encountered field tiles on "Record As-Built Drawings".
- The contractor shall be responsible for contacting Indiana Underground Plant Protection Services (includes the City of Auburn Utilities) at 1-800-382-5544 for existing underground utility lines location 48 hours prior to any trench excavation. The contractor is also responsible for all exploratory excavations required to locate and verify existing underground utilities physical locating equipment prior to any construction.
- The contractor shall be responsible for the preservation of all lot corners and survey control monuments. Any disturbed monuments shall be replaced by an Indiana Registered Land Surveyor approved by the Auburn City Engineer, at the contractor's expense.

City of **AUBURN INDIANA**
AUBURN SEWER DEPT.
 TYPICAL SEWER DETAIL NOT TO SCALE
 DATE: MAR 18, 2020
 DRAWING SW 1-1
 SANITARY SEWER GENERAL NOTES



- Material, installation and site restoration shall comply with requirements of the City of Auburn Engineering (260-925-8264) and W.P.C. Sewer (260-925-1714) Departments.
- Concrete pipe shall be manufactured in accordance with ASTM C14, AASHTO M86, and Federal SS-P-371 for non-reinforced concrete pipe; ASTM C76, AASHTO M170 and Federal S-P-375 for reinforced concrete pipe and ASTM C381 for reinforced low heat concrete pipe, all with #8 or #9 limestone pipe bedding. Materials for storm lines may also be PVC SDR 35 pipe per ASTM D-3034 or ASTM F679, with #8 or #9 limestone pipe bedding, or high density polyethylene (HDPE) corrugated exterior/smooth interior dual wall pipe conforming to AASHTO M294-97 Type S specification for Corrugated Polyethylene Pipe 12 to 48 inch diameter and ASTM D3350 Standard Specification for Polyethylene Plastic Pipe and Fittings Materials or PVC corrugated A-2000 (Not D-2000) per ASTM F949. Installation of HDPE pipe shall be in accordance with ASTM D2321 Standard Practice for Underground Installation of Flexible Thermoplastic Sewer Pipe using #8 or #9 limestone pipe bedding. Pipe bedding shall be #8 or #9 limestone for HDPE perforated pipes. Pipe Manufacturers Advanced Drainage Systems, Inc.; Contech Construction Products, Inc.; Howland Drainage; and Manco H-10 for dual wall HDPE pipe, up to and including 48 inch diameter, are approved for installation by the City of Auburn Engineering Department. Dual wall HDPE pipe larger than 48 inch diameter or dual wall HDPE pipe from any other manufacturer will require approval from the City of Auburn Engineering Department prior to any installation. If any type of plastic pipe is installed for storm line, then mandrel tests shall be performed after 30 days from installation by contractor (except for A-2000 pipes) and witnessed by Auburn W.P.C. Sewer (260-925-1714) Department. All #8 or #9 limestone pipe bedding shall be compacted at 95% standard proctor. Pea Gravel, #53 gravel, B-Borrow or Sand for pipe bedding is not allowed. Cost per lineal foot of pipe shall include all material items, trench dewatering and site restoration necessary for complete and useable final products.
- All manholes shall be precast concrete manhole sections per details and ASTM C-478.
- City of Auburn W.P.C. Sewer Department inspection required on installation of all storm sewers. Consult with W.P.C. Sewer Department (260-925-1714) 48 hours prior to any installation.
- A minimum distance of 10 feet (measured from edge to edge of pipes) shall be maintained horizontally between all water and sewer utility pipes. At any water and sewer utility pipe crossings, one full length of sewer pipe shall be centered so both pipe joints will be as far from the waterline as possible. Also at any crossing, the sewer pipe shall be installed below the water pipe with a minimum of 18 inch separation between the two utility pipes.
- All permits, including street and road cut permits, necessary for the construction of storm sewers shall be secured and paid for by the contractor from the Auburn Building Department (260-925-6448), and a copy furnished to the City of Auburn Engineering Department P.O. Box 506, Auburn, IN 48706, before any construction starts.
- Contractor shall furnish sets of "Record As-Built Drawings" to Auburn City Engineering Department for review showing location of main lines and tops and elevations, and field tile locations within 60 days after completed construction and prior to Auburn City Engineering Department acceptance of utility. Contact Engineering Department (260-925-8264) for submission requirements. All items of construction shall be completed (including all "punch list" items) prior to submission and review of the Record As-Built Drawings.
- Contractor shall be required to clean entire storm sewer system per requirements of City Engineer and W.P.C. Sewer Department prior to acceptance.
- All material and workmanship shall be guaranteed to the City of Auburn for three years by Contractor providing a maintenance bond in the amount of ten percent (10%) of the final construction contract price. Warranty period shall begin when all punch list items are completed and maintenance bond shall be submitted with final pay application.
- Contractor shall repair and reconnect all existing field tiles cut during construction, with SDR 35 or SDR 26 PVC pipe and Fernco rubber fitting at each end. Show size and location of all encountered field tiles on "Record As-Built Drawings".
- The contractor shall be responsible for contacting Indiana Underground Plant Protection Services (includes the City of Auburn Utilities) at 1-800-382-5544 for existing underground utility lines location 48 hours prior to any trench excavation. The contractor is also responsible for all exploratory excavations required to locate and verify existing underground utilities physical locating equipment prior to any construction.
- The contractor shall be responsible for the preservation of all lot corners and survey control monuments. Any disturbed monuments shall be replaced by an Indiana Registered Land Surveyor approved by the Auburn City Engineer, at the contractor's expense.

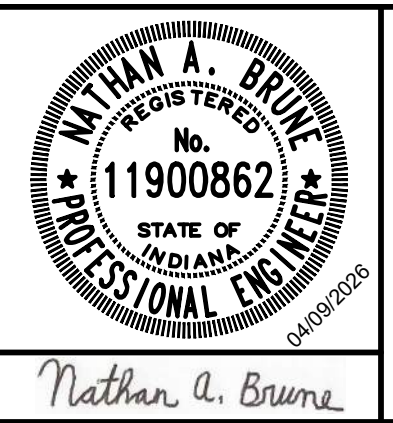
City of **AUBURN INDIANA**
AUBURN SEWER DEPT.
 TYPICAL SEWER DETAIL NOT TO SCALE
 DATE: OCT 12, 2020
 DRAWING SW 1-2
 STORM SEWER GENERAL NOTES



- GENERAL CONSTRUCTION REQUIREMENTS**
- Manhole made in accordance with ASTM C-478, latest edition.
 - All interior M.H. walls shall have a smooth finish.
 - Manhole section joints shall use bituminous sealing material. No o-ring joints.
 - The base shall be placed on a minimum compacted crushed stone subbase.
 - Base Diameter 48"
 - Pipe Diameter: 8" to 33" Straight thru to 45'; 8" to 24" to 90'.
 - Poured in-place or pre-cast conc. benchwall (sanitary manholes only) invert slope shall be 0.1" difference in elevation from influent pipe to effluent pipe.
 - All sanitary manholes shall be "vacuum tested" per ASTM C1244-93 and witnessed by Auburn Engineering Dept. (260-925-8264 and Auburn Sewer Dept. (260) 925-1714.
 - (Storm Only) Structures shall have 5" holes spaced for two 4" flex pipes and for all other pipes. Use non-shrink grout to seal ground off pipes.

City of **AUBURN INDIANA**
AUBURN SEWER DEPT.
 TYPICAL SEWER DETAIL NOT TO SCALE
 DATE: FEB 5, 2026
 DRAWING SW 2-1
 TYPE I MANHOLE (FOR 8" TO 33" DIA. PIPE)

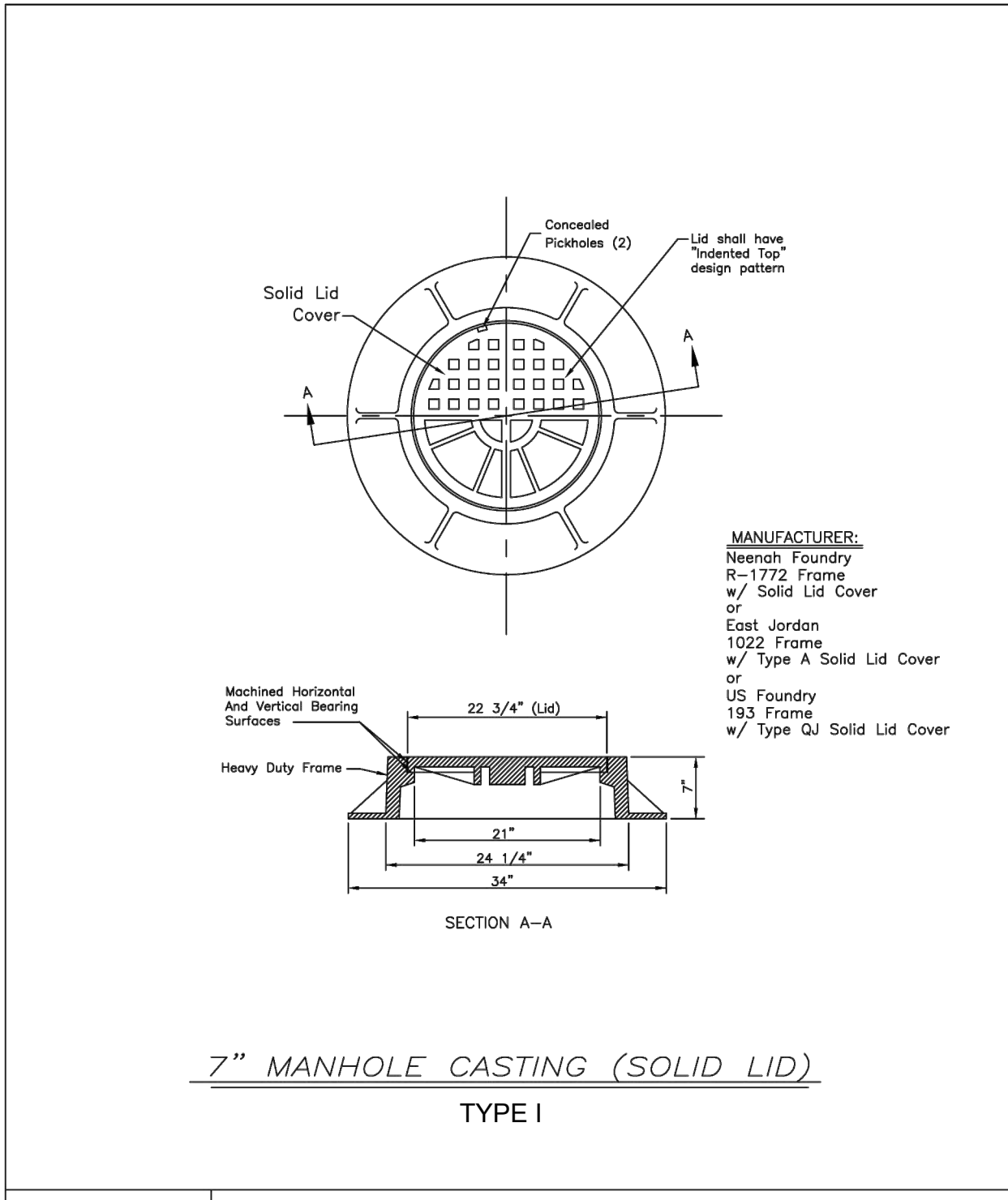
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	APPROVED BY	NAB				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	289325-04-001				



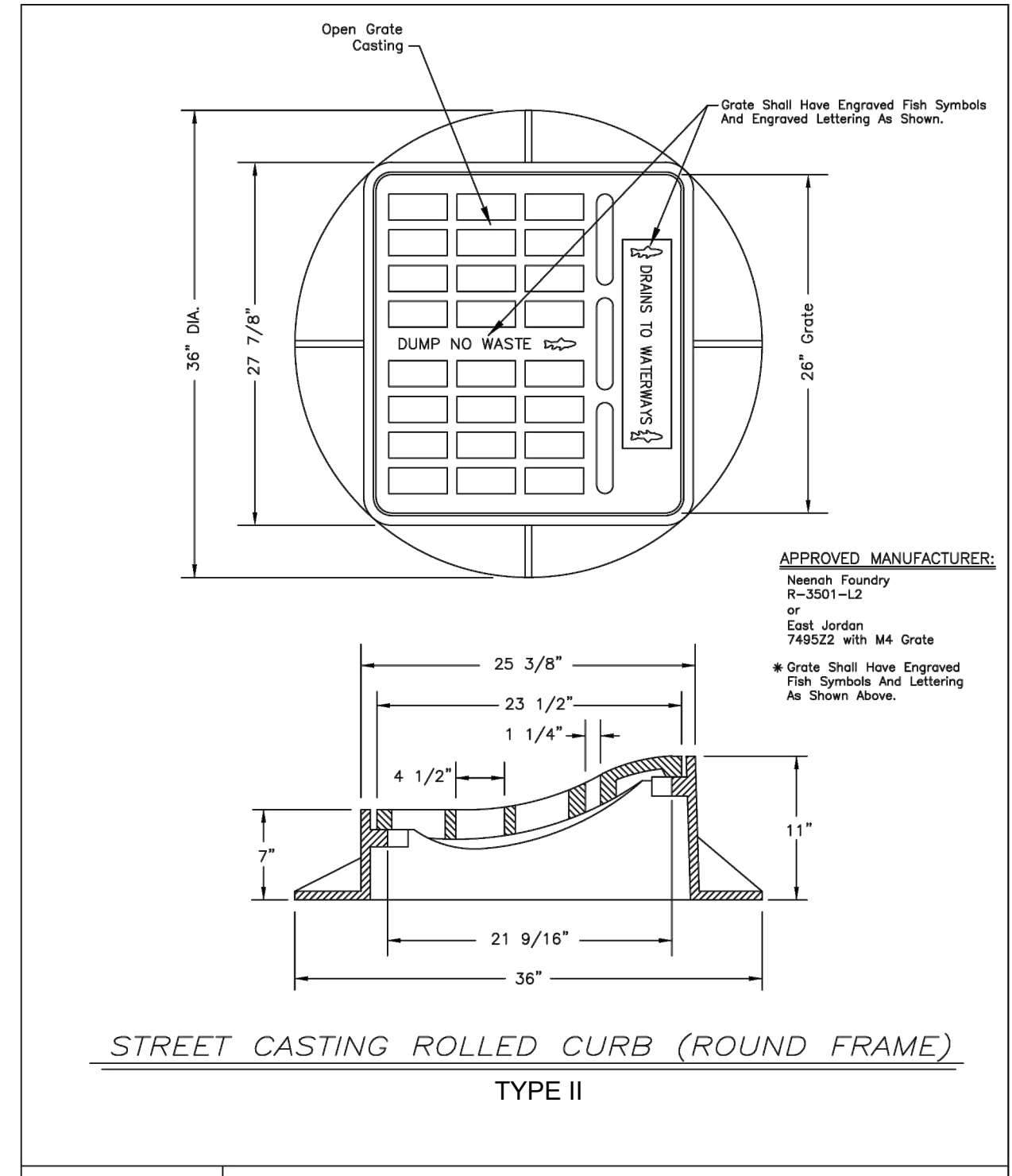
CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I
 CITY OF AUBURN, INDIANA
MISCELLANEOUS DETAILS

SHEET NO. **15**
 TOTAL SHEETS **20**

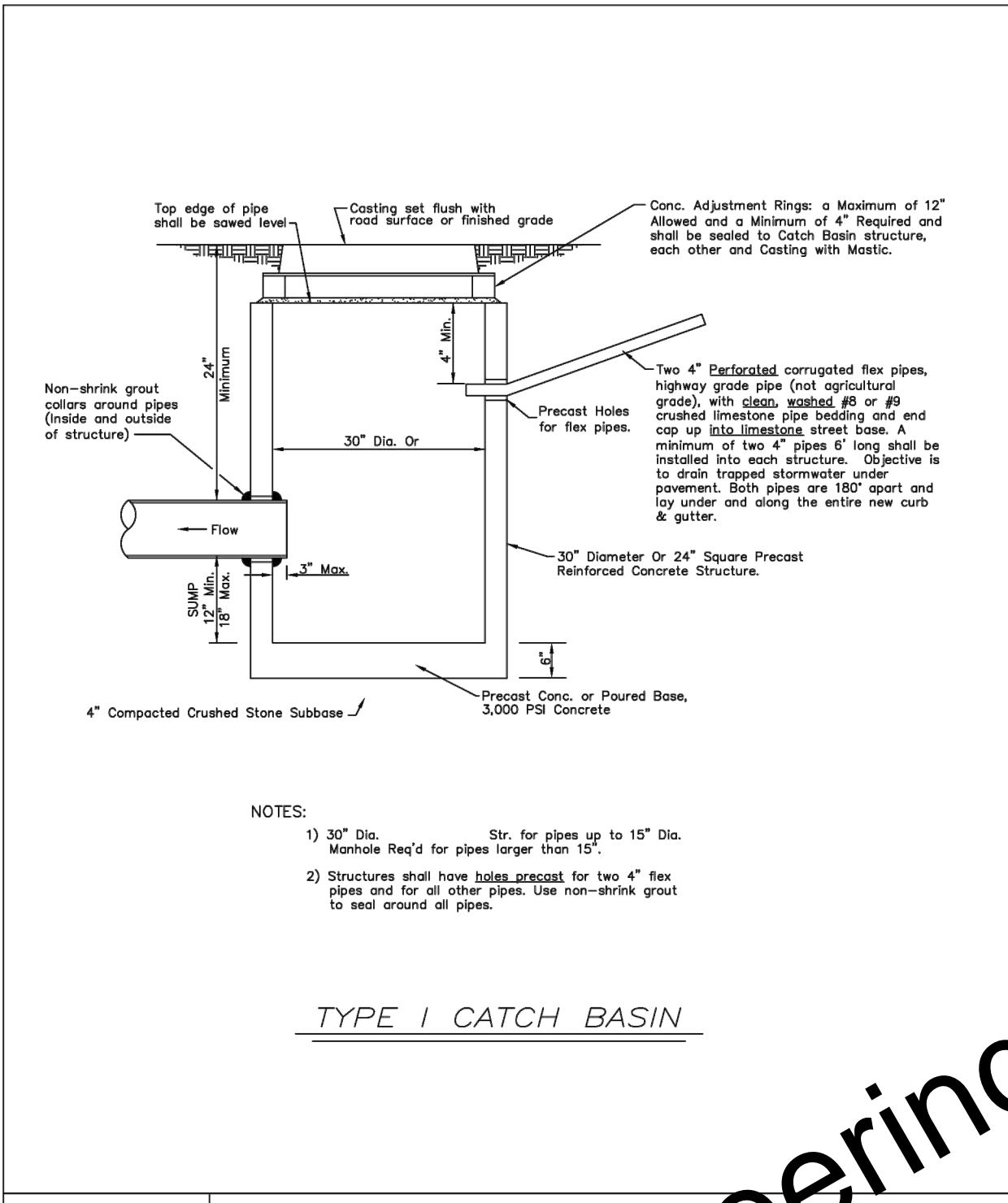
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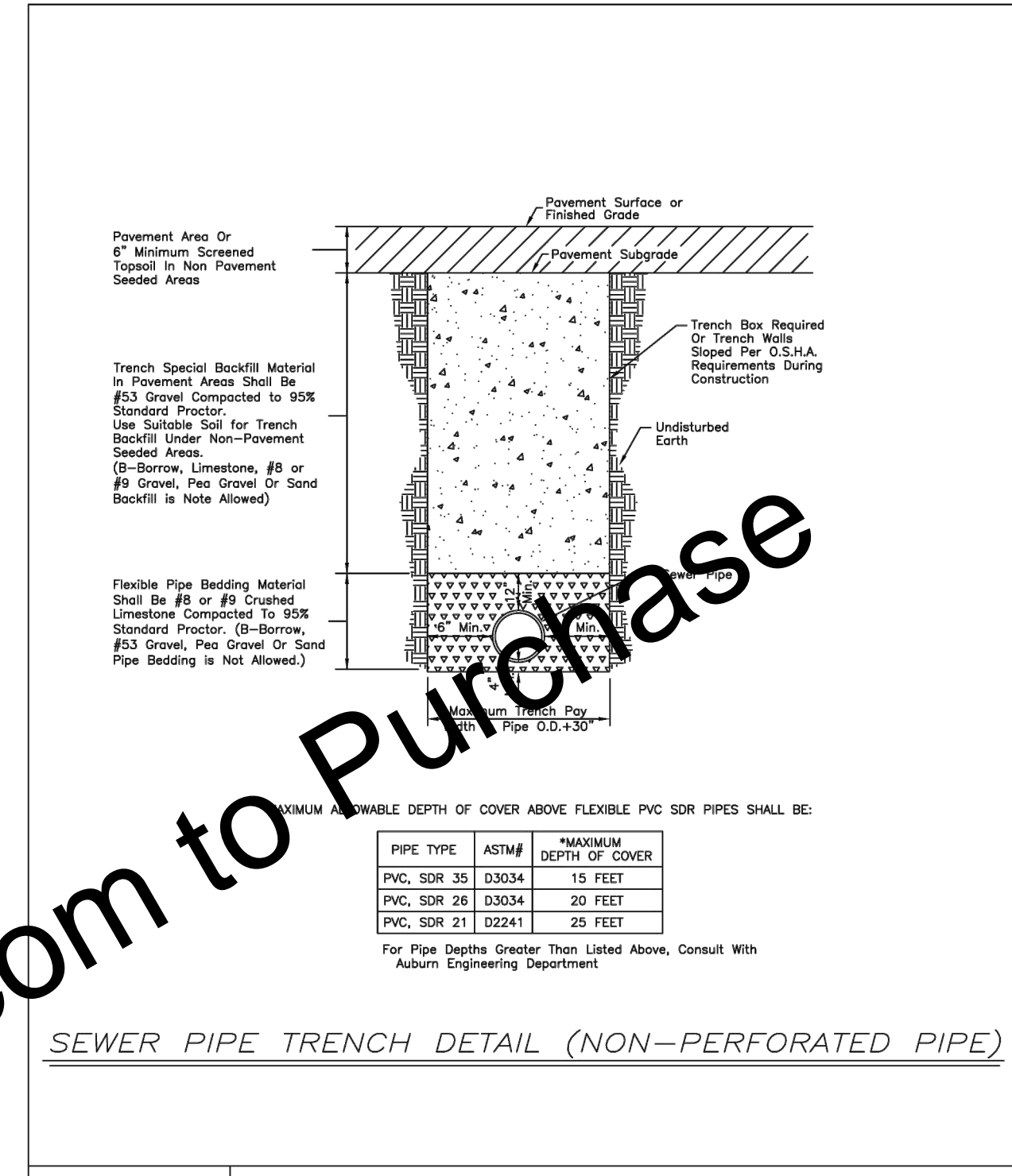
City of	AUBURN SEWER DEPT.	NOT TO SCALE
	TYPICAL SEWER DETAIL	DATE: FEB 22, 2018
"Home of the Classics"	7" MANHOLE CASTING (SOLID LID)	DRAWING SW 4-1



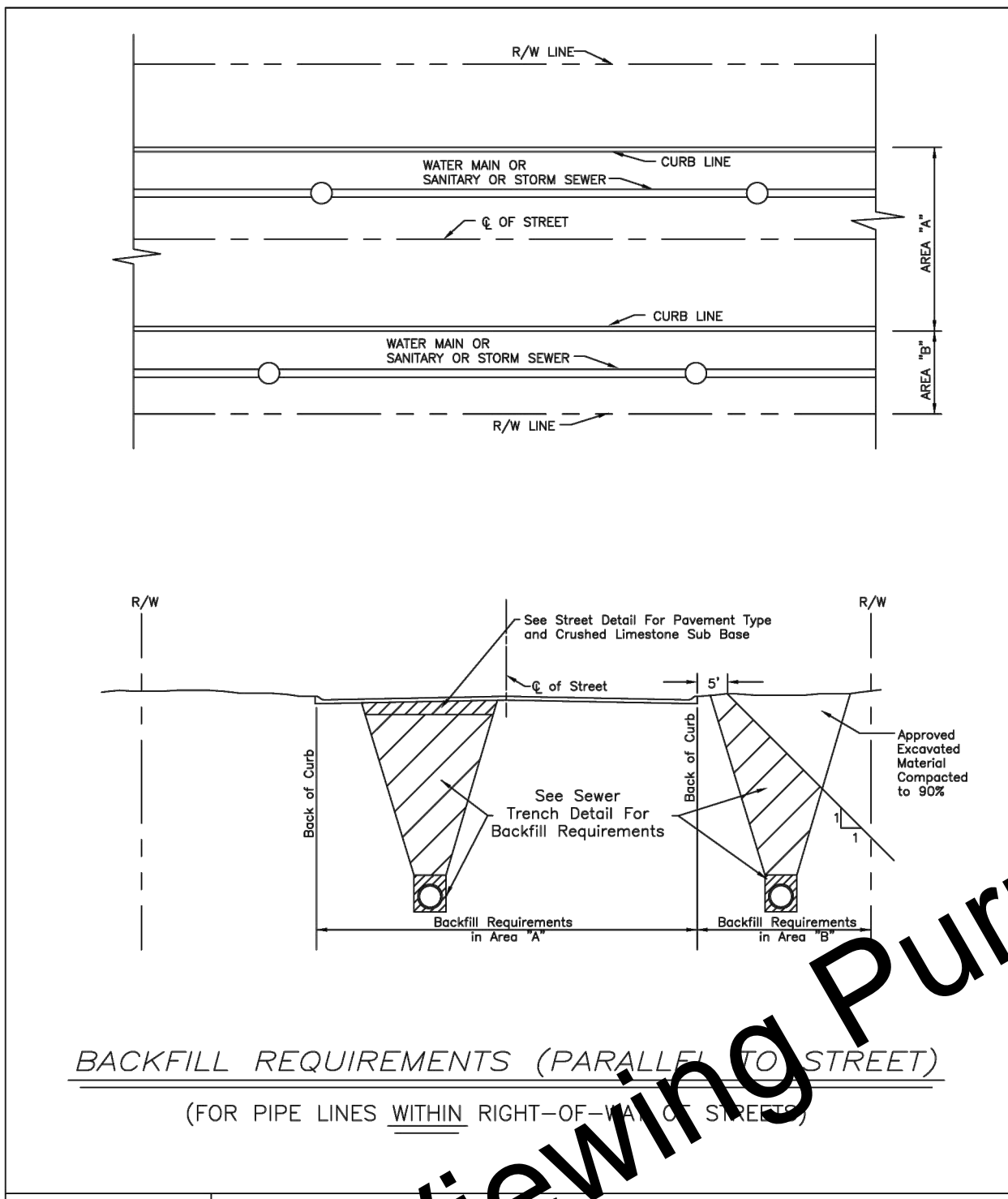
City of	AUBURN SEWER DEPT.	NOT TO SCALE
	TYPICAL SEWER DETAIL	DATE: JAN 1, 2017
"Home of the Classics"	STREET CASTING ROLLED CURB (ROUND FRAME)	DRAWING SW 4-8



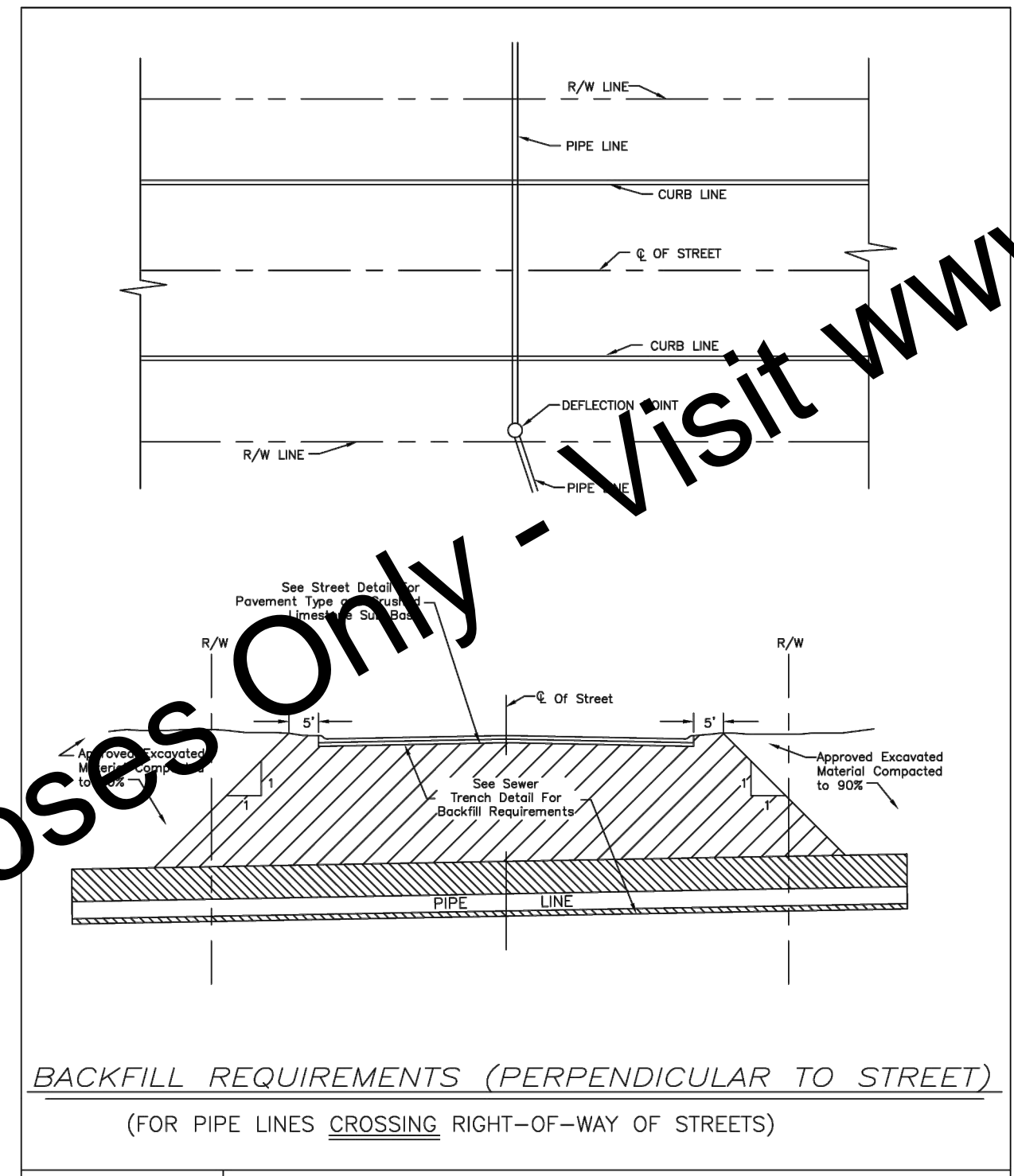
City of	AUBURN SEWER DEPT.	NOT TO SCALE
	TYPICAL SEWER DETAIL	DATE: FEB 11, 2026
"Home of the Classics"	TYPE I CATCH BASIN	DRAWING SW 3-1



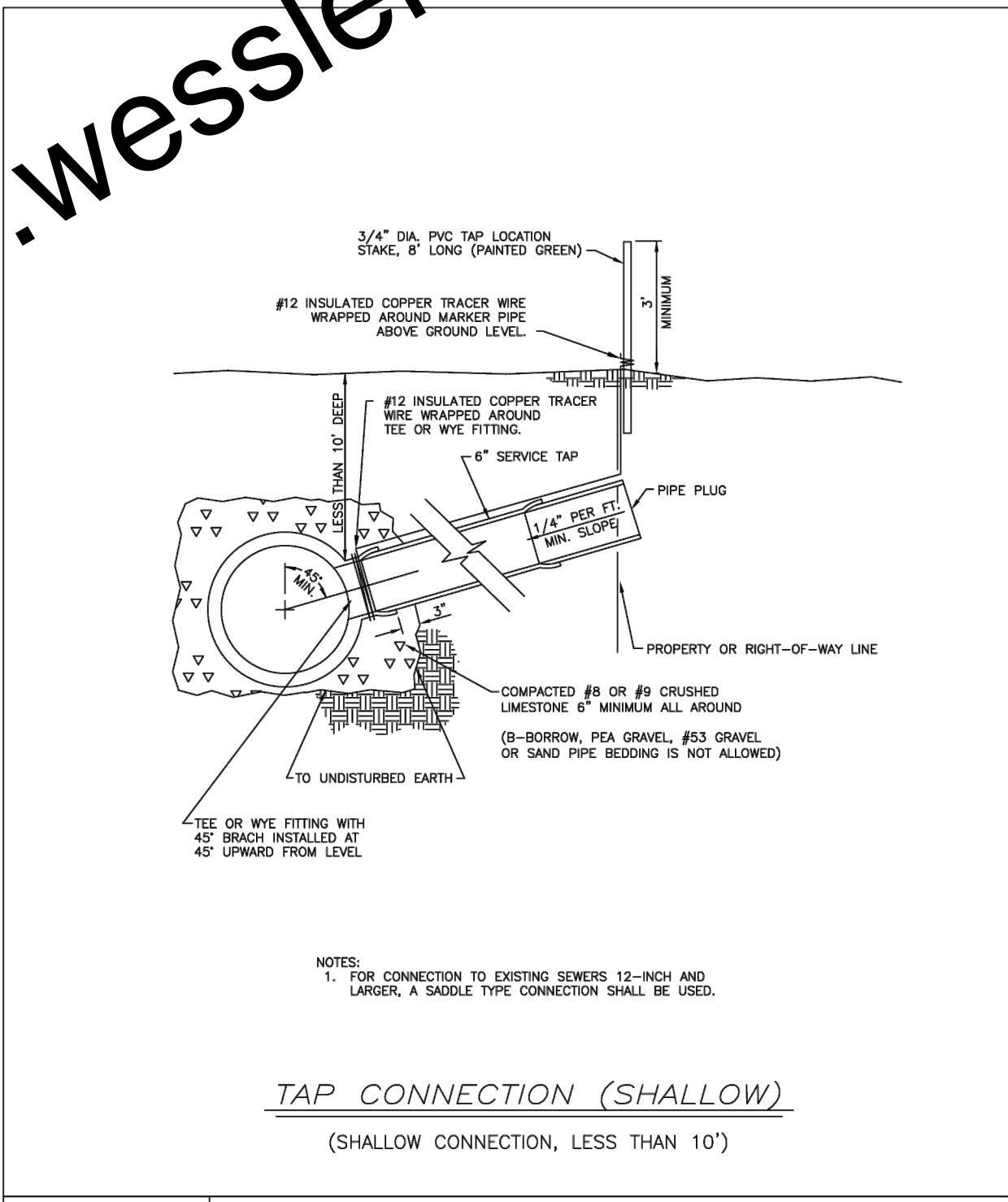
City of	AUBURN SEWER DEPT.	NOT TO SCALE
	TYPICAL SEWER DETAIL	DATE: MAR 18, 2020
"Home of the Classics"	SEWER PIPE TRENCH DETAIL (NON-PERFORATED PIPE)	DRAWING SW 5-1



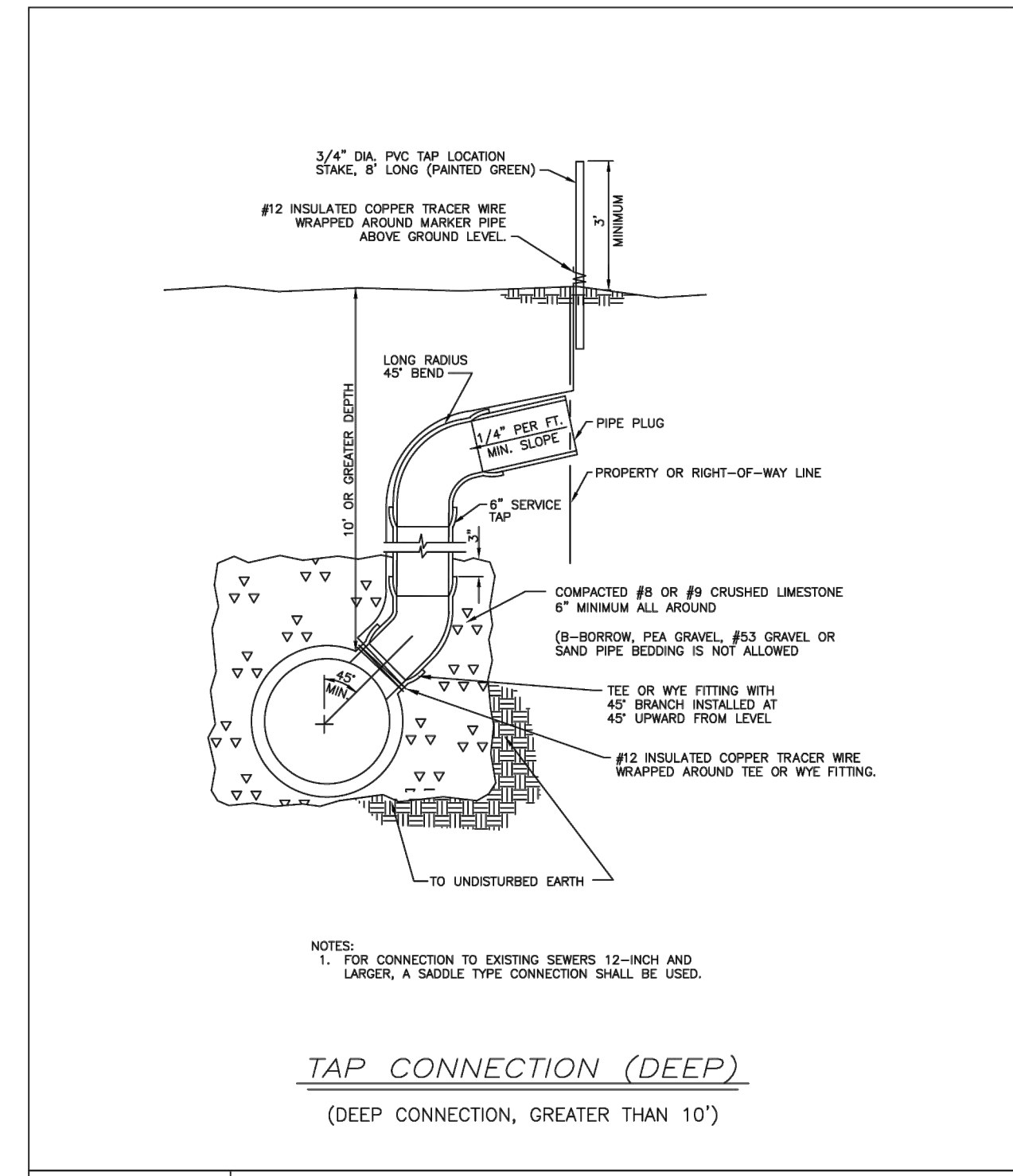
City of	AUBURN SEWER DEPT.	NOT TO SCALE
	TYPICAL SEWER DETAIL	DATE: AUG 29, 2017
"Home of the Classics"	BACKFILL REQUIREMENTS (PARALLEL TO STREET)	DRAWING SW 5-4



City of	AUBURN SEWER DEPT.	NOT TO SCALE
	TYPICAL SEWER DETAIL	DATE: AUG 29, 2017
"Home of the Classics"	BACKFILL REQUIREMENTS (PERPENDICULAR TO STREET)	DRAWING SW 5-5

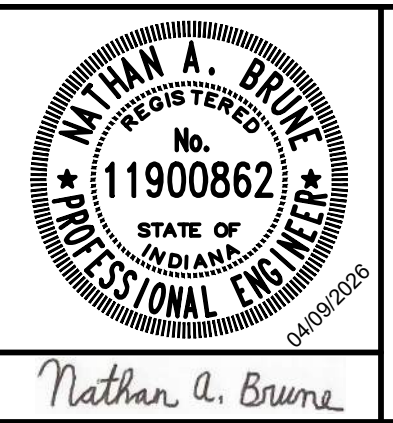


City of	AUBURN SEWER DEPT.	NOT TO SCALE
	TYPICAL SEWER DETAIL	DATE: MAR 4, 2026
"Home of the Classics"	TAP CONNECTION (SHALLOW, LESS THAN 10')	DRAWING SW 6-1



City of	AUBURN SEWER DEPT.	NOT TO SCALE
	TYPICAL SEWER DETAIL	DATE: MAR 4, 2026
"Home of the Classics"	TAP CONNECTION (DEEP, GREATER THAN 10')	DRAWING SW 6-2

SCALE VERIFICATION	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	ALT				
	APPROVED BY	NAB				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	289325-04-001				



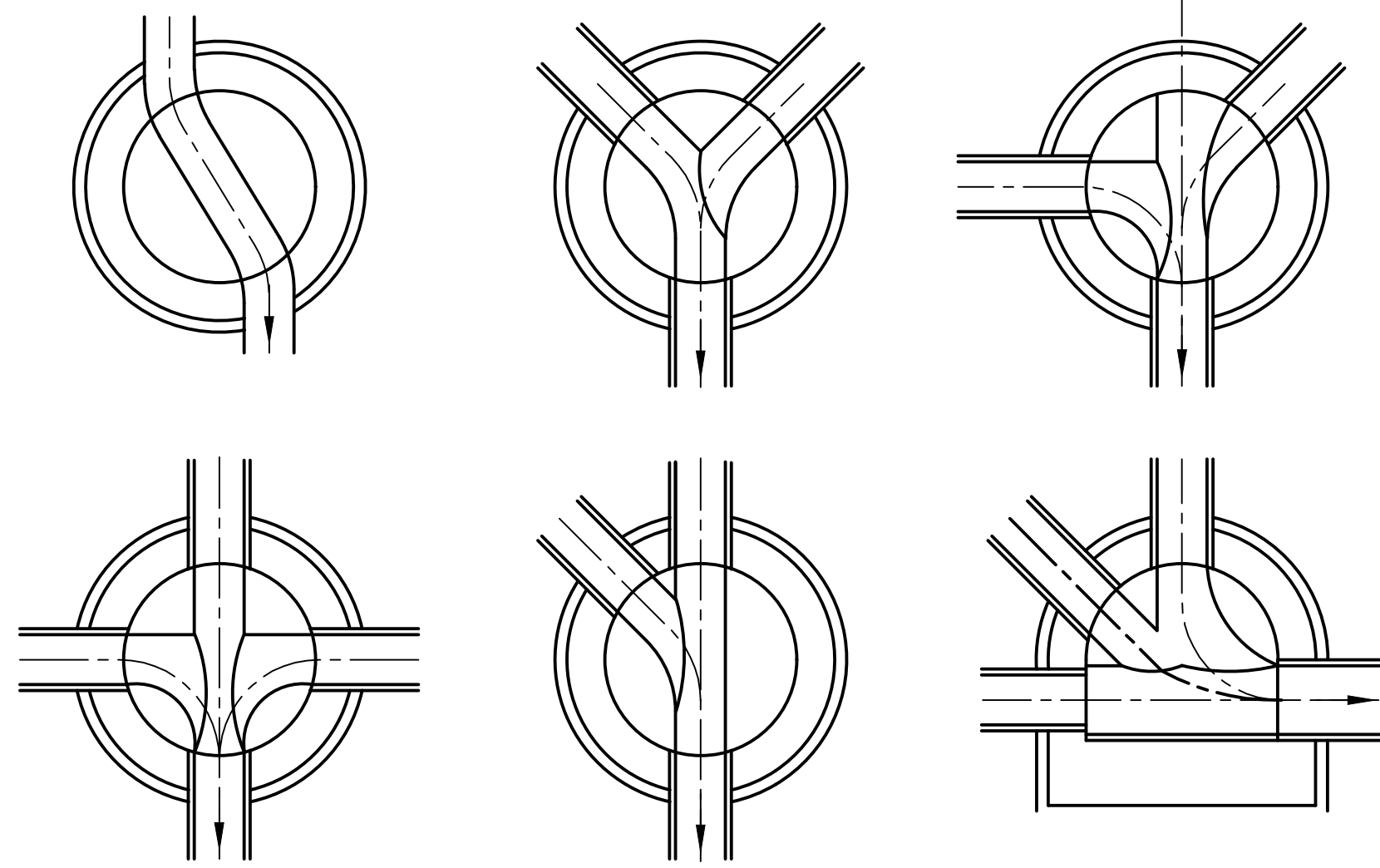
CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I

CITY OF AUBURN, INDIANA

MISCELLANEOUS DETAILS

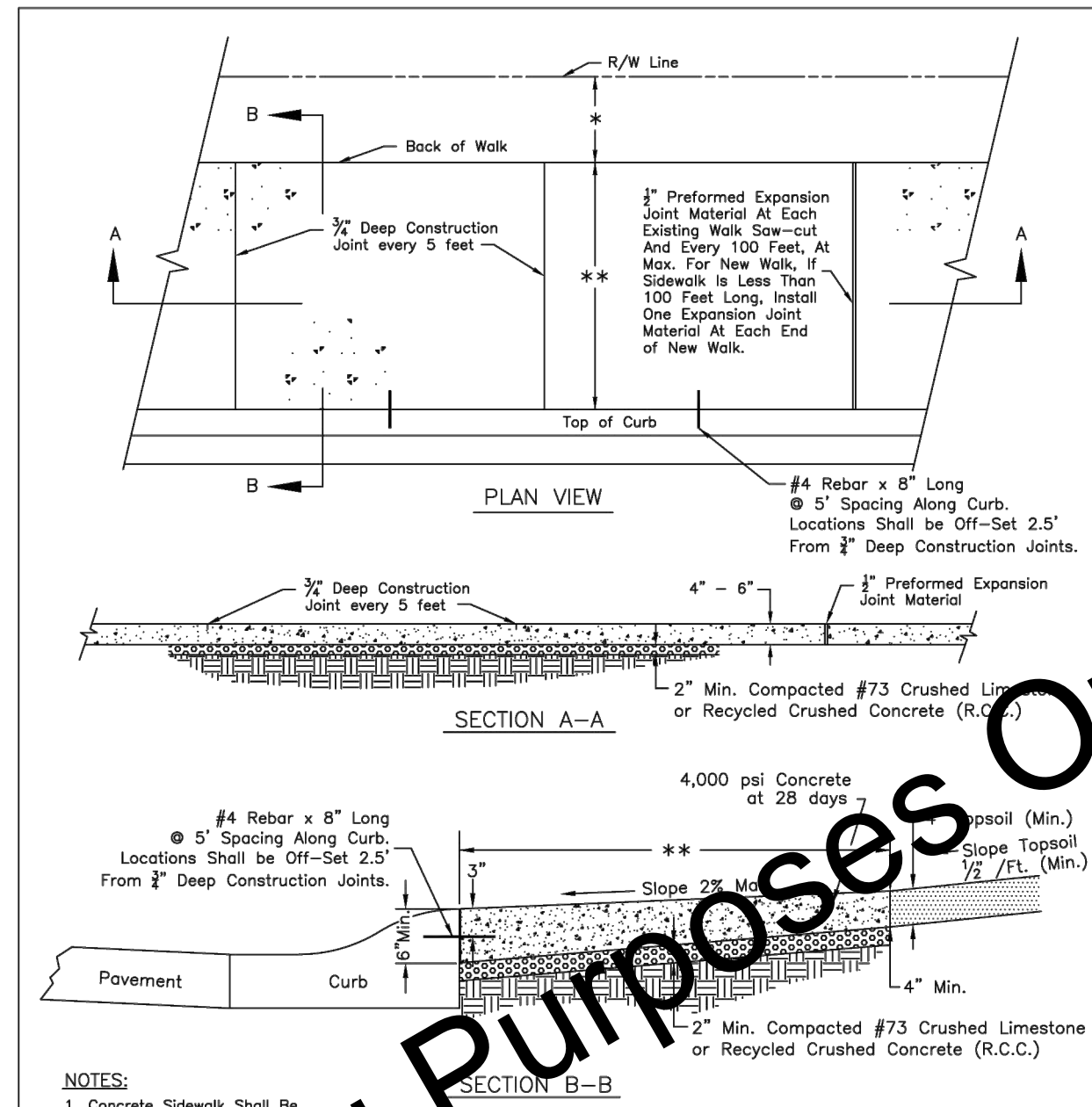
SHEET NO.	16
TOTAL SHEETS	20

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NOTES:
1. SANITARY SEWER BENCH SLOPE = 1/2" PER FOOT

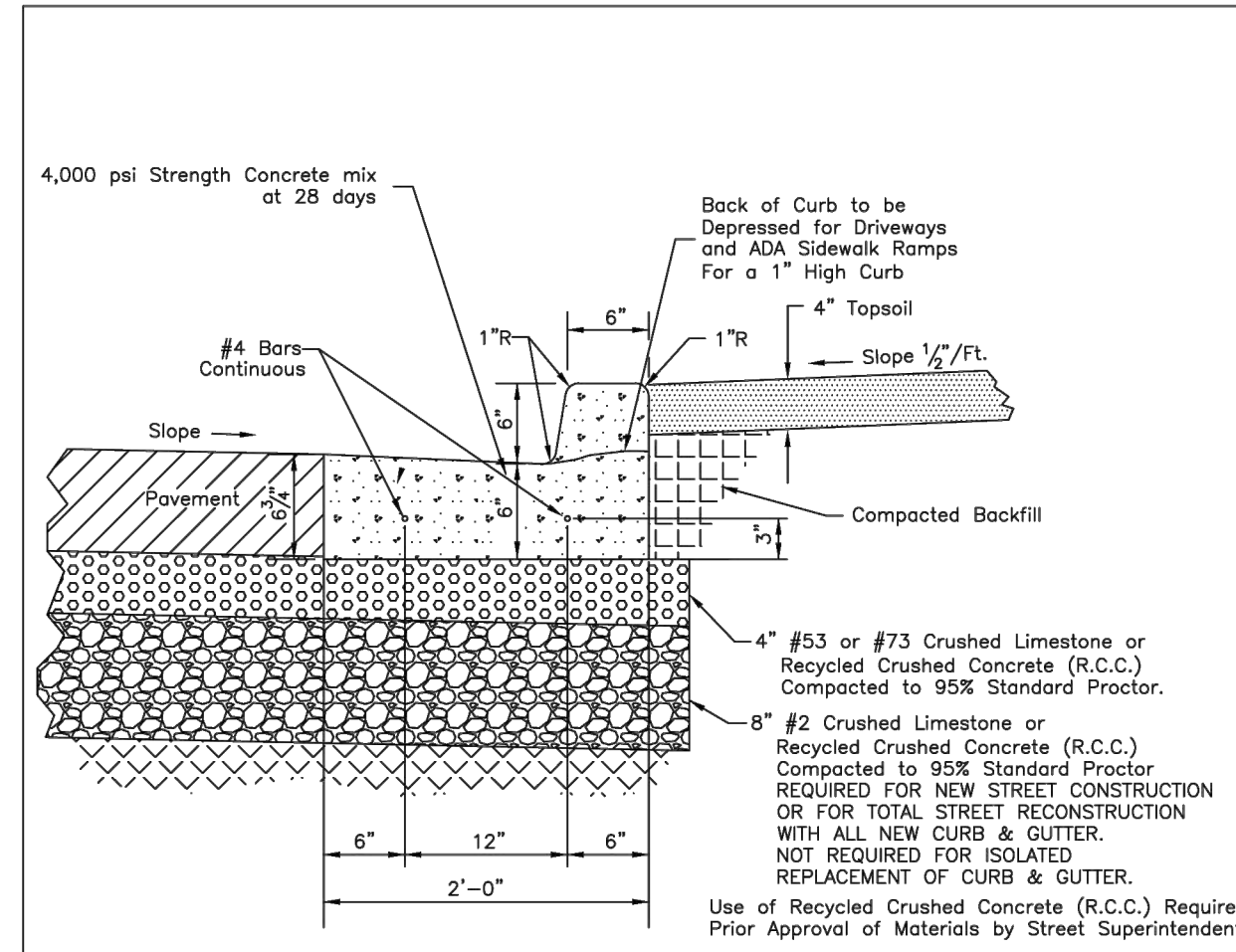
STANDARD MANHOLE BENCHES
SCALE: NONE



NOTES:
1. Concrete Sidewalk Shall Be Formed With 4" Forms And Not Earth Formed.
2. All Topsoil Material For Sidewalk Shall Be Removed And Place A 2" Compacted Leveling Course As Specified Above.
* - As shown on Contract Drawings
** - As shown on Contract Drawings (5' Min.)

CURF FACE WALK

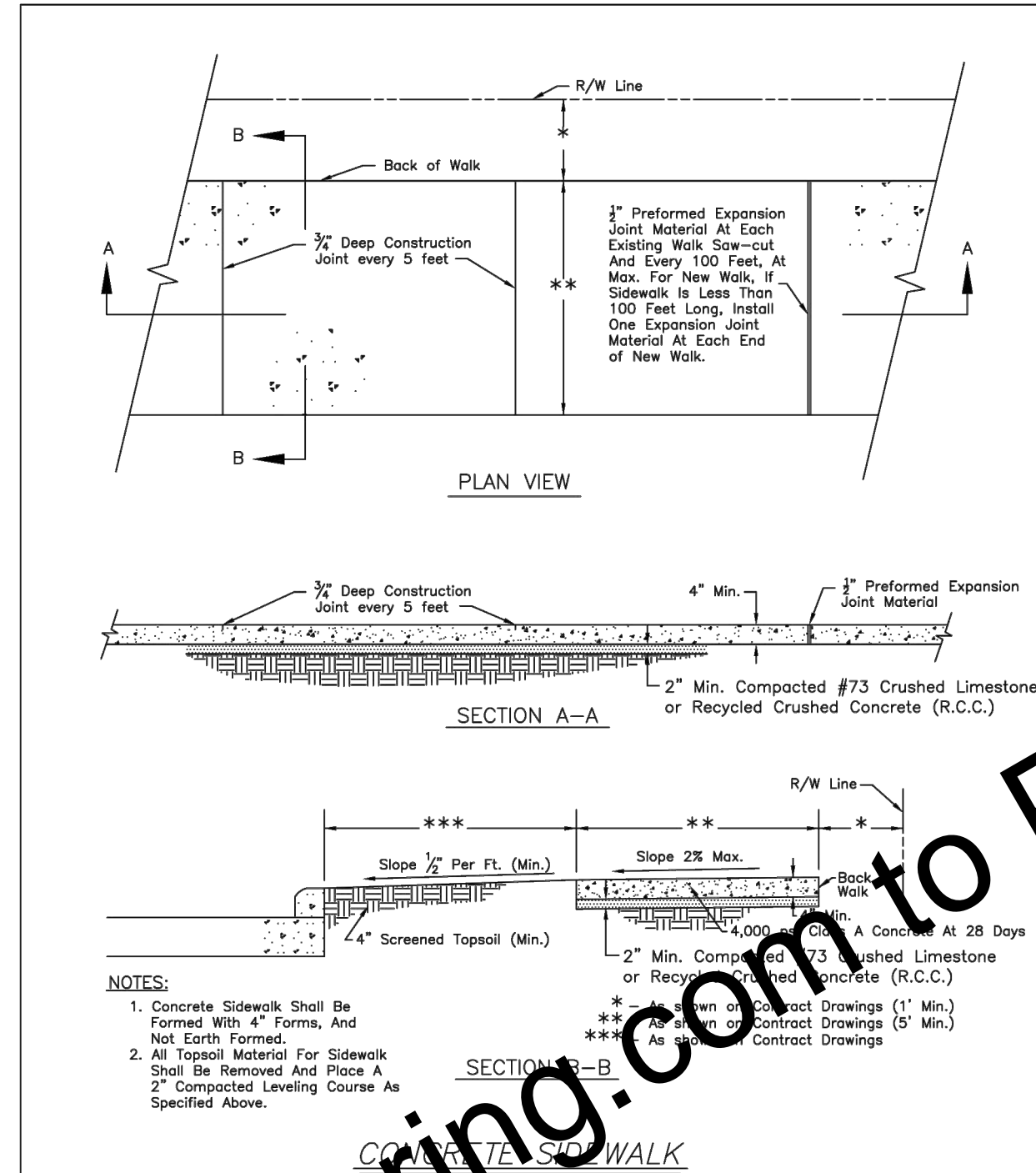
City of	AUBURN STREET DEPT.	NOT TO SCALE
	TYPICAL STREET DETAIL	DATE: FEB 11, 2022
	CURF FACE WALK	DRAWING ST24



2' WIDE SQUARE CURB & GUTTER

NOTE:
1. 1/2" expansion joint material required at maximum 200' length of curb intervals and #4 bars shall NOT be installed through expansion joints.
2. For street castings in curb & gutter, 1" expansion joint material required 3' from BOTH sides of casting along length of curb and #4 bars shall NOT be installed through expansion joints. Expansion joint material shall NOT be installed adjacent to street casting.
3. Sawcut contraction joint 1" deep required every 10' maximum o.c.
4. Two (2) #4 bars shall be doweled into existing curbs at 4" minimum depth.

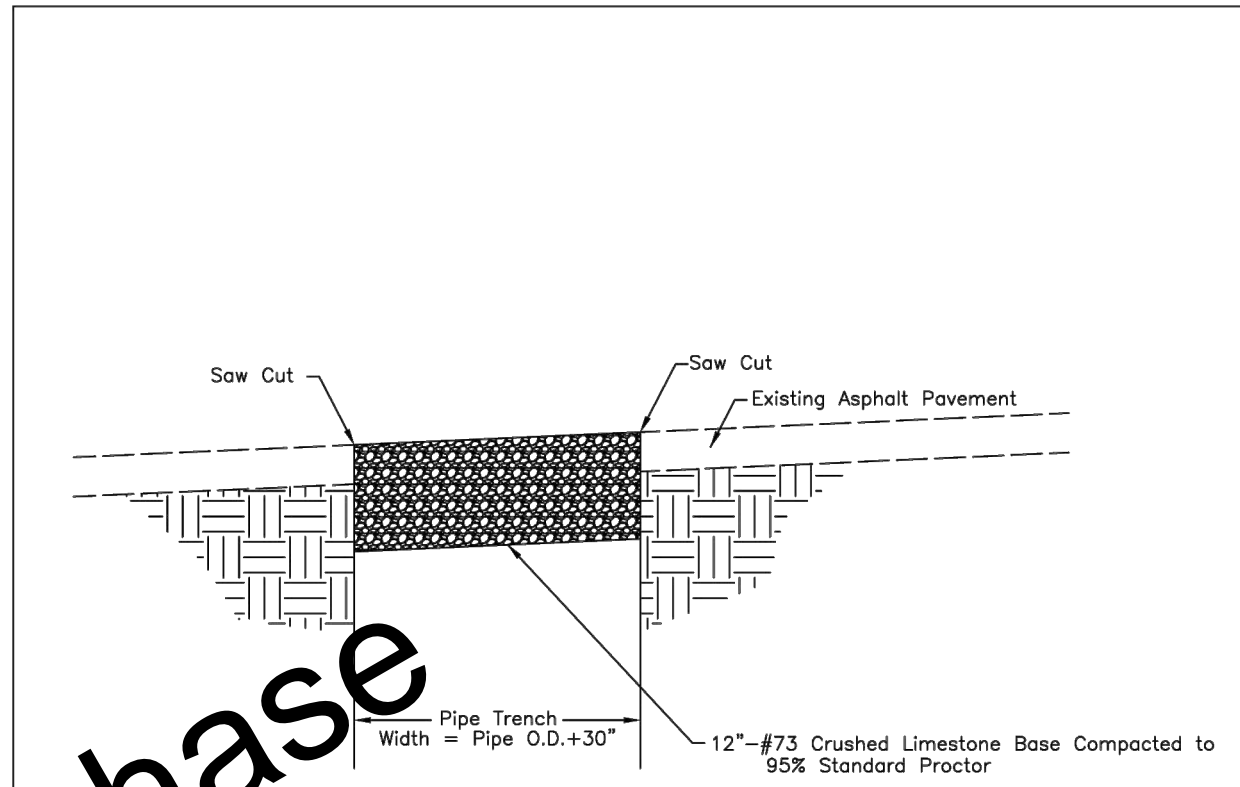
City of	AUBURN STREET DEPT.	NOT TO SCALE
	TYPICAL STREET DETAIL	DATE: JULY 19, 2023
	SQUARE CURB & GUTTER	DRAWING ST20



NOTES:
1. Concrete Sidewalk Shall Be Formed With 4" Forms, And Not Earth Formed.
2. All Topsoil Material For Sidewalk Shall Be Removed And Place A 2" Compacted Leveling Course As Specified Above.
* - As shown on Contract Drawings (1" Min.)
** - As shown on Contract Drawings (5' Min.)

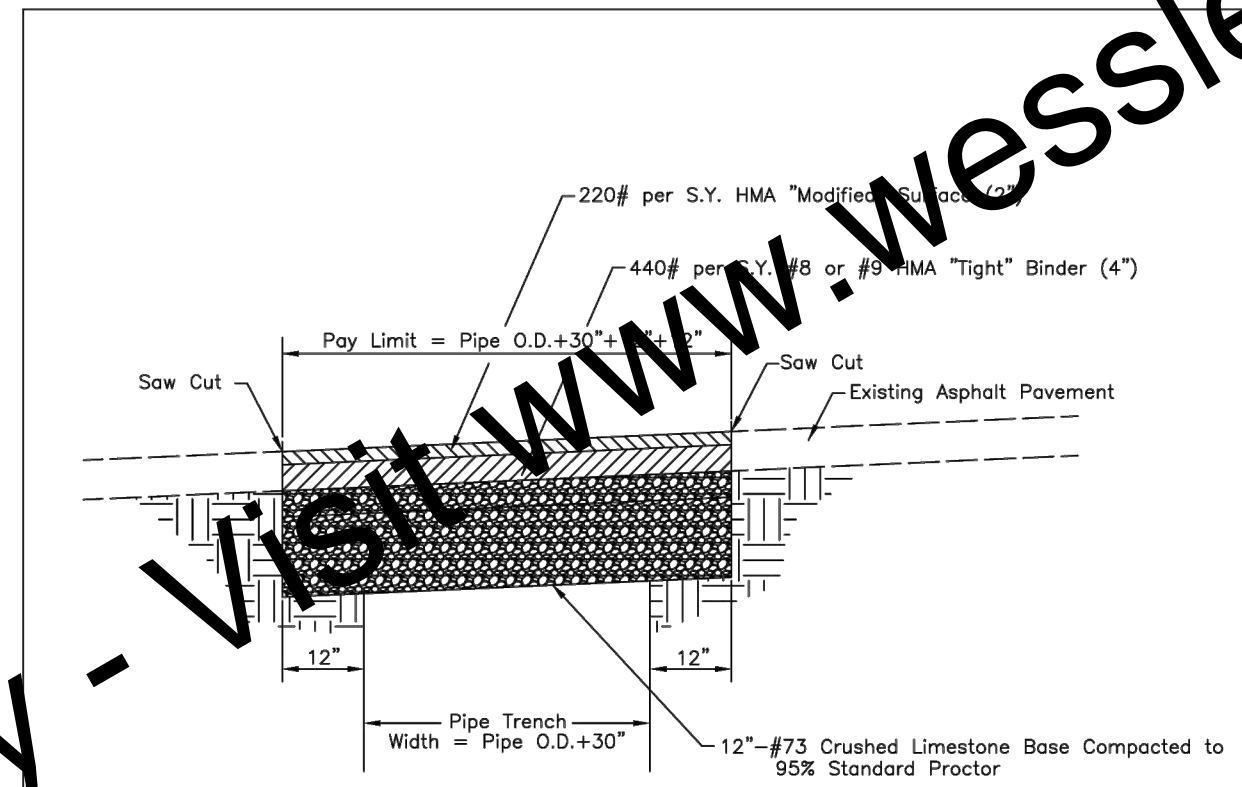
CONCRETE SIDEWALK

City of	AUBURN STREET DEPT.	NOT TO SCALE
	TYPICAL STREET DETAIL	DATE: OCT 17, 2018
	CONCRETE SIDEWALK	DRAWING ST23



TEMPORARY PAVEMENT REPAIR

City of	AUBURN STREET DEPT.	NOT TO SCALE
	TYPICAL STREET DETAIL	DATE: MAR 30, 2026
	TEMPORARY PAVEMENT REPAIR	DRAWING ST2A



HMA ASPHALT PAVEMENT REPAIR

NOTE:
1. HMA "Modified" Surface Asphalt shall consist of the following materials:
• 25% of #11 Limestone; 30% of #12 Limestone; 45% Sand; with 6% Liquid Asphalt.
2. No metal slag shall be used in either mix for binder or surface asphalt. A maximum of twenty percent (20%) of recycled asphalt pavement (RAP) may be used in surface mix. The 5% RAP content for surface mix can be used as part of the overall mix percentage for #11 Limestone or #12 Limestone. Contractor shall submit shop drawing breakdown of both asphalt mixes. All delivery tickets for HMA binder and surface shall clearly state the contents and percentages, including RAP, of the asphalt mix. Composition shall be per Section 402.15 of the current INDOT Standard Specifications.
3. New surface to be sloped at same rate of existing pavement.

City of	AUBURN STREET DEPT.	NOT TO SCALE
	TYPICAL STREET DETAIL	DATE: MAR 30, 2026
	HMA ASPHALT PAVEMENT REPAIR	DRAWING ST2

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SCALE VERIFICATION	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	ALT				
	APPROVED BY	NAB				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	289325-04-001				

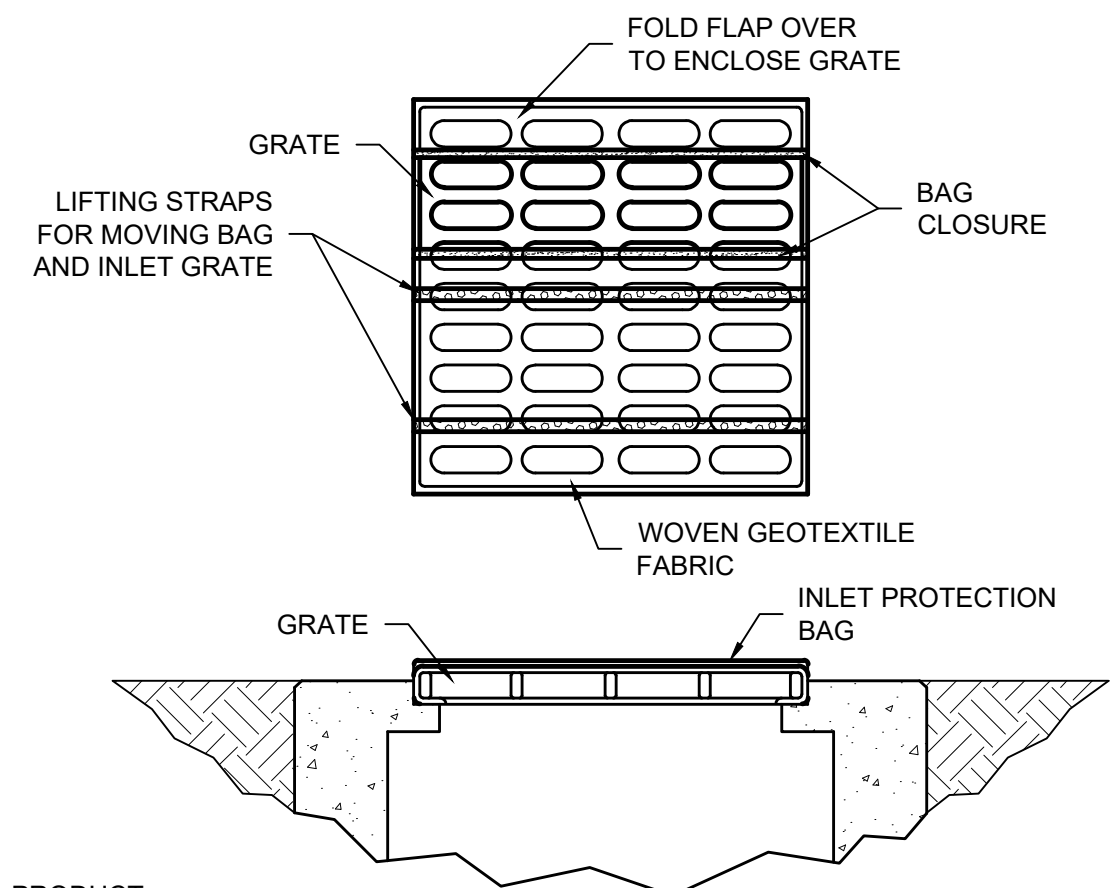
NATHAN A. BRUNE
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF INDIANA
 No. 11900862
 APR 2026

WESSLER ENGINEERING
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CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I
 CITY OF AUBURN, INDIANA
MISCELLANEOUS DETAILS

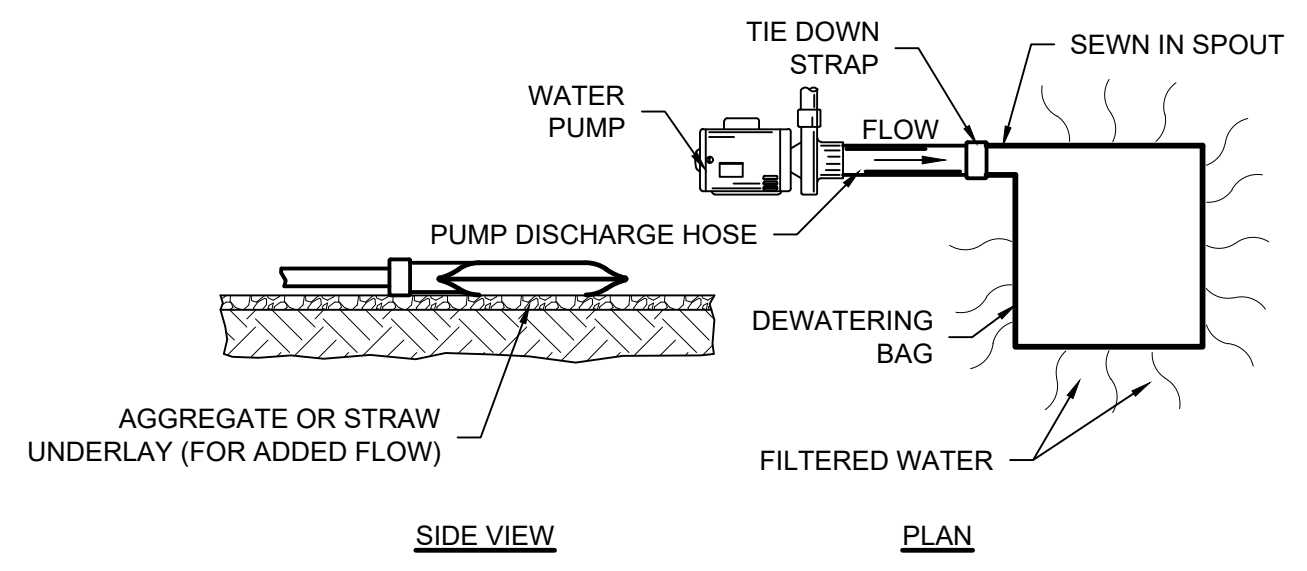
SHEET NO.	17
TOTAL SHEETS	20

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- 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.

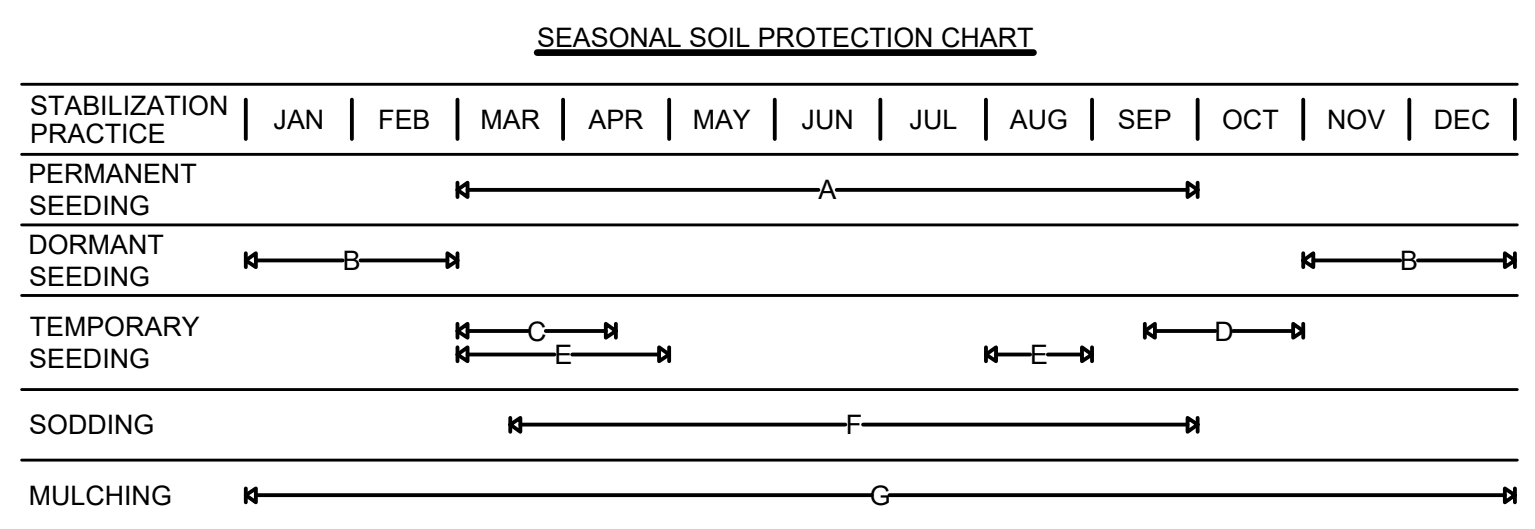
INLET PROTECTION BAG
SCALE: NONE



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 (3)
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	Mill (1/16" SIEVE)	0.180 (80)
FLOW RATE	ASTM D4491	MIN (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. 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 SPECIFICATION.
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.

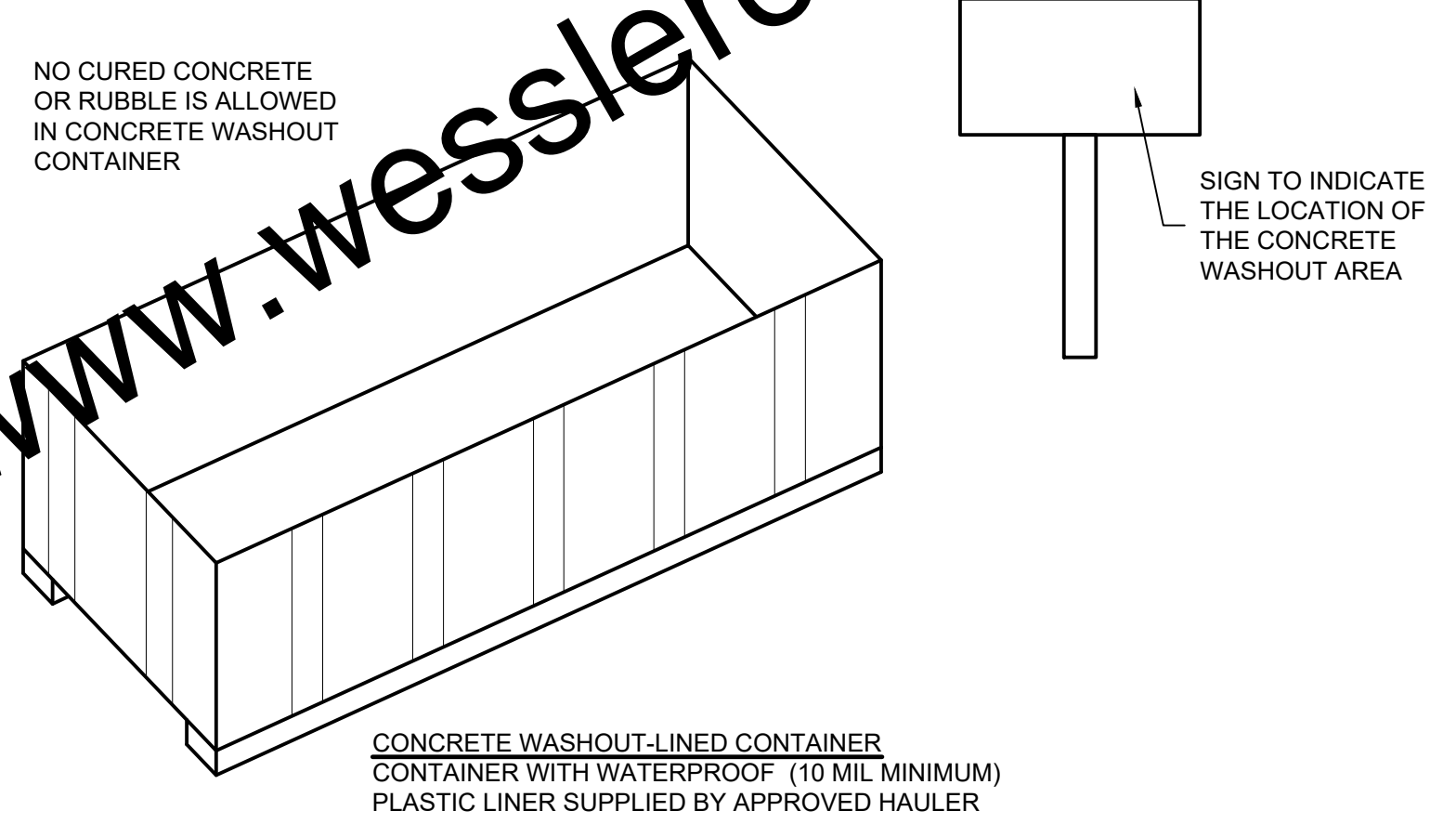
PUMPING BAG
SCALE: NONE



- 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.



- CONCRETE WASHOUT - LINED CONTAINER**
SCALE: NONE
- 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.

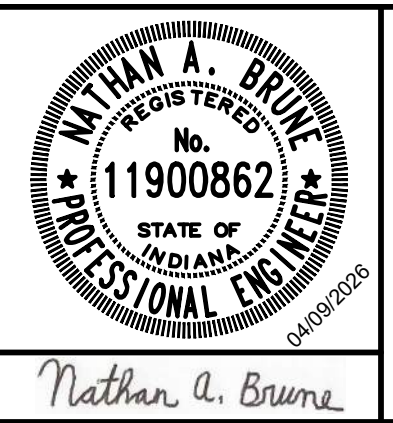
CONCRETE WASHOUT - LINED CONTAINER
SCALE: NONE

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).	AUTHORIZATION UNDER THE CSGP IS EFFECTIVE 48-HOURS AFTER SUBMITTAL OF THE NOTICE OF INTENT TO IDEM AND LOCAL AUTHORITY BY THE OWNER.
MAINTAIN DOCUMENTATION ON-SITE PER SPECIFICATION 02101 FOR THE PROJECT MANAGEMENT LOG. THE SWPPP SHOULD BE ON-SITE 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.	COMPLETE BEFORE CONSTRUCTION BEGINS.
REVIEW THE EROSION CONTROL SCHEDULE OF THE DRAWINGS AND REVISE AS NEEDED. BEFORE CONSTRUCTION ACTIVITIES BEGIN, MINIMIZE THE FOOTPRINT OF DISTURBED UNSTABLE AREAS. SUBMIT A REVISED EROSION CONTROL SCHEDULE AS NEEDED FOR TEMPORARY AND PERMANENT EROSION CONTROL WORK AS APPLICABLE.	
CONSTRUCTION ACCESS - ENTRANCE TO SITE, CONSTRUCTION ROUTES, AREAS DESIGNATED FOR EQUIPMENT PARKING OR MATERIAL STAGING AND WASTE HANDLING.	THIS IS THE FIRST LAND-DISTURBING ACTIVITY. AS SOON AS CONSTRUCTION BEGINS, STABILIZE ANY BARE AREAS WITH AGGREGATE AND TEMPORARY VEGETATION.
SEDIMENT TRAPS AND BARRIERS - BASIN TRAPS, SILT FENCE AND PERIMETER PROTECTION.	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

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SCALE VERIFICATION	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	ALT				
	APPROVED BY	NAB				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	289325-04-001				

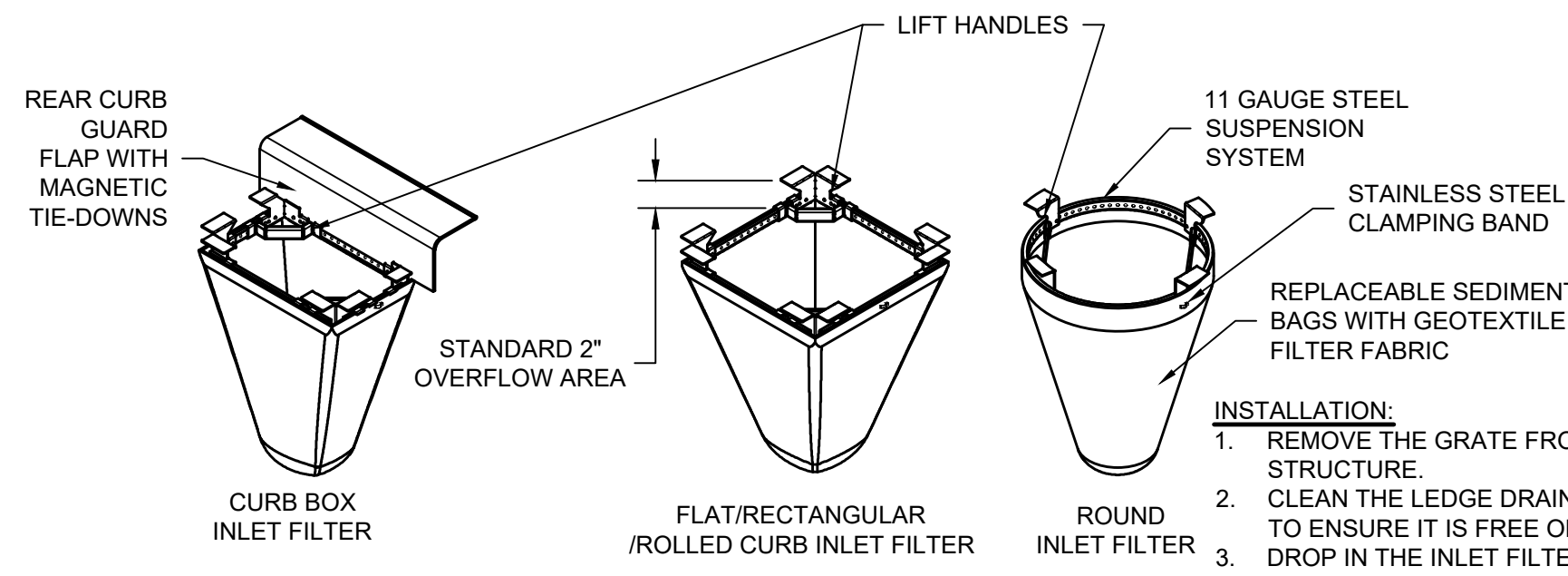


CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I
CITY OF AUBURN, INDIANA

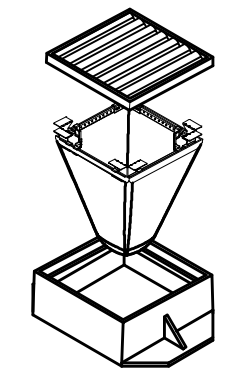
EROSION CONTROL DETAILS

SHEET NO.	18
TOTAL SHEETS	20

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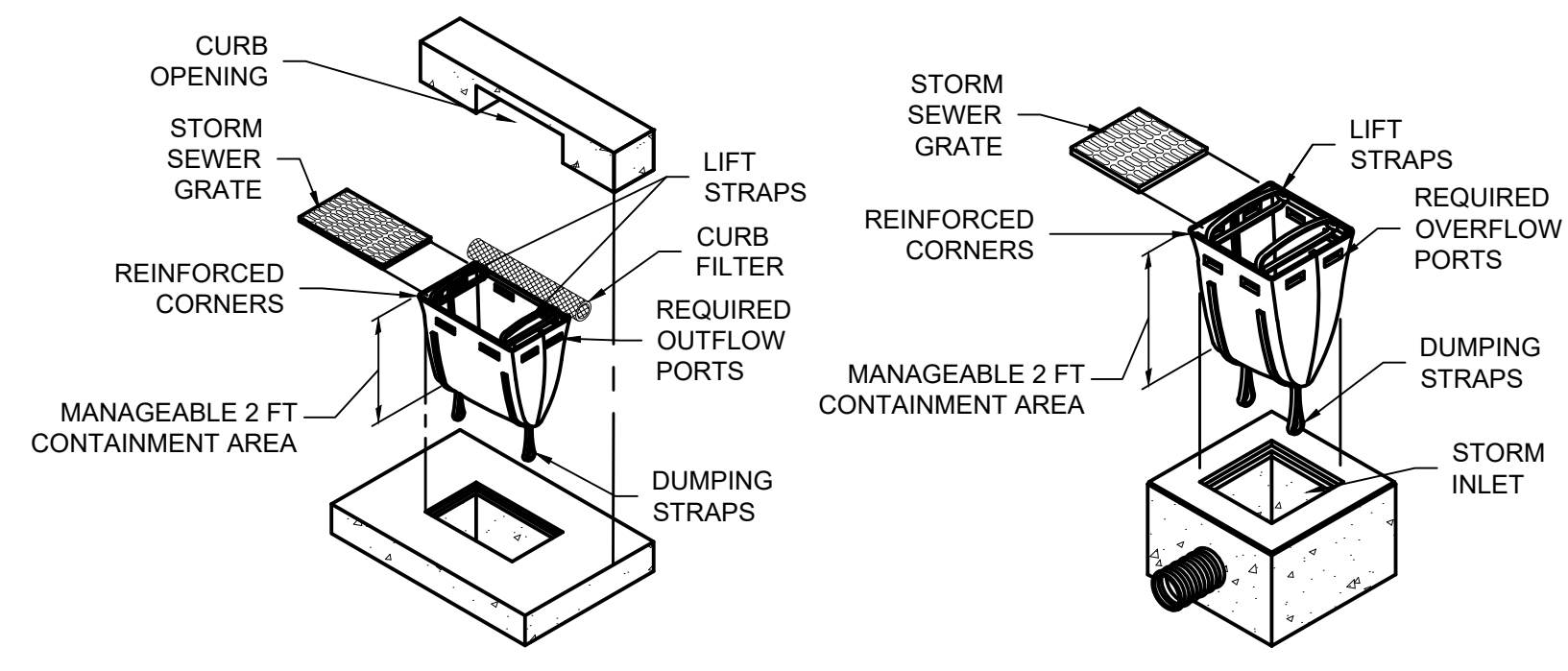


INLET FILTER SPECIFICATIONS		
WOVEN GEOTEXTILE SEDIMENT BAG SPECS (2 FT VOL)		
MATERIAL PROPERTY	TEST METHOD	VALUE (AVG)
GRAB TENSILE	ASTM D4632	255 X 275
PUNCTURE STRENGTH	ASTM D4833	135 LB
TRAPEZOIDAL TEAR	ASTM D4533	75 LB
UV RESISTANCE	ASTM D4355	90%
APP OPEN SIZE (AOS)	ASTM D4751	NO. 20 SIEVE
PERMITTIVITY	ASTM D4491	1.5 S ⁻¹
WATER FLOW RATE	ASTM D4491	200 GPM/SQFT
SEDIMENT REMOVAL EFFICIENCY (8% MIX)	ASTM D7351	82%



- INSTALLATION:**
- REMOVE THE GRATE FROM THE DRAINAGE STRUCTURE.
 - CLEAN THE LEDGE DRAINAGE STRUCTURE TO ENSURE IT IS FREE OF STONE AND DIRT.
 - DROP IN THE INLET FILTER THROUGH THE CLEAR OPENING AND BE SURE THE SUSPENSION HANGERS REST FIRMLY ON THE INSIDE LEDGE.
 - REPLACE THE GRATE.
 - FOR CURB BOX INLET FILTERS: INSERT INLET FILTER AS DESCRIBED ABOVE IN COMBINATION WITH THE CURB BOX FLAP IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- MAINTENANCE:**
- INSPECT THE INLET FILTER DAILY AND AFTER EACH STORM EVENT AND EMPTY IF THE SEDIMENT BAG IS MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS, OR AS DIRECTED BY THE ENGINEER.
 - REMOVE THE GRATE AND LIFT THE INLET FILTER FROM THE DRAINAGE STRUCTURE. DISPOSE OF ACCUMULATED SEDIMENTS AND DEBRIS PROPERLY. MATERIAL SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM.
 - REMOVE ANY CAKED ON SILT FROM THE SEDIMENT BAG AND REVERSE FLUSH THE BAG FOR OPTIMAL FILTRATION.
 - REPLACE THE BAG IF THE INNER FILTER MEMBRANE IS TORN.

INLET PROTECTION
SCALE: NONE




- INSTALLATION:**
- REMOVE THE STORM SEWER GRATE FROM THE DRAINAGE STRUCTURE.
 - STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE INLET PROTECTION MEASURE SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS.
 - HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE DRAINAGE STRUCTURE, THEN LOWER BACK EDGE WITH CYLINDRICAL TUBE (CURB FILTER) INTO PLACE, BEING CAREFUL THAT THE GRATE REMAINS IN PLACE AND BEING CAREFUL NOT TO DAMAGE THE INLET PROTECTION MEASURE. THE CYLINDRICAL TUBE SHOULD PARTIALLY BLOCK THE CURB HOOD OPENING WHEN INSTALLED PROPERLY (CURB FILTER).
- MAINTENANCE:**
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT.
 - AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE INLET PROTECTION MEASURE UNIT. IF THE UNIT IS MORE THAN 1/2 FULL OF ACCUMULATED SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY THE UNIT, USING THE LIFTING STRAPS, LIFT THE UNIT OUT OF THE INLET AND REMOVE THE GRATE. TRANSPORT THE UNIT TO AN APPROPRIATE LOCATION FOR REMOVAL OF THE CONTENTS. HOLDING THE DUMPING STRAPS ON THE OUTSIDE AT THE BOTTOM OF THE UNIT, TURN THE UNIT UPSIDE DOWN, EMPTYING THE CONTENTS. REINSTALL UNIT AS ABOVE.

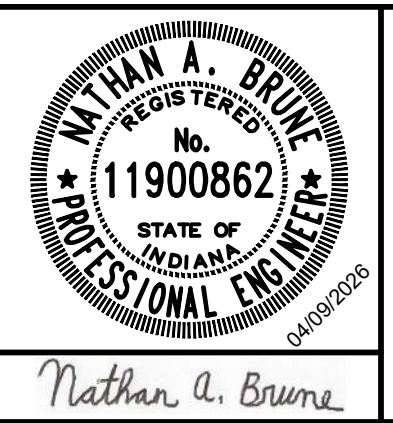
PROPERTY	TEST METHOD	UNITS	TEST RESULTS
GRAB TENSILE STRENGTH	ASTM D 4632	LBS	430 x 200
GRAB TENSILE ELONGATION	ASTM D 4632	%	20 x 2
PUNCTURE STRENGTH	ASTM D 4833	LBS	135
MULLEN BURST STRENGTH	ASTM D 3786	PSI	600
TRAPEZOID TEAR STRENGTH	ASTM D 4533	LBS	165 x 150
% OPEN AREA (POA)	COE - 22125-86		28
APPARENT OPENING SIZE	ASTM D 4751	NO. SIEVE	30
PERMITTIVITY	ASTM D 4491	sec	3.5
PERMEABILITY	ASTM D 4491	m/sec	0.25
WATER FLOW RATE	ASTM D 4491	gal/min/ft ²	250
ULTRAVIOLET RESISTANCE	ASTM D 655	%	70
COLOR			ORANGE ¹

ROADWAY CURB AND INLET PROTECTION
SCALE: NONE

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Drawing: X:\In\289325 Auburn Cedar SWM Replace DIV\Sheets_P\1289325-CD_P\1.dwg | Layout: 1B | Plotlet: 04/08/26 @ 01:53:33 | LastSavedBy: travis

SCALE VERIFICATION	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	ALT				
	APPROVED BY	NAB				
	ISSUE DATE	APRIL 2026				
	PROJECT NUMBER	289325-04-001				



CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I
CITY OF AUBURN, INDIANA
EROSION CONTROL DETAILS

SHEET NO.	19
TOTAL SHEETS	20

STRUCTURE TABLE					
STRUCTURE NAME:	STATION	CASTINGS MODEL NO.	STRUCTURE DETAIL	PIPES IN:	PIPES OUT
A01	10+00	TYPE I RIM: 860.90	48 INCH STANDARD MANHOLE	FROM , 8" PVC INV IN: 855.61, 5 LF @ 0.00% FROM A01-A1, 12" PVC INV IN: 855.53, 29 LF @ 8.03%	TO , 12" PVC INV OUT: 853.93, 28 LF @ 0.22%
A01-A1	9+83	TYPE II RIM: 860.40	30 INCH CATCH BASIN		TO A01, 12" PVC INV OUT: 857.90, 29 LF @ 8.03%
A02	10+29	TYPE I RIM: 860.58	48 INCH STANDARD MANHOLE		TO , 10" PVC INV OUT: 854.94, 172 LF @ 2.09%
A03	13+83	TYPE I RIM: 855.80	48 INCH STANDARD MANHOLE	FROM A04, 15" PVC INV IN: 850.54, 217 LF @ 0.15% FROM A03-B1, 12" PVC INV IN: 851.27, 13 LF @ 12.69% FROM A03-A1, 12" PVC INV IN: 851.27, 30 LF @ 5.54%	TO , 15" PVC INV OUT: 850.44, 167 LF @ 0.15%
A03-A1	13+84	TYPE II RIM: 855.45	30 INCH CATCH BASIN	FROM , 8" PVC INV IN: 853.16, 5 LF @ 0.00% FROM , 6" PVC INV IN: 853.81, 5 LF @ 0.00%	TO A03, 12" PVC INV OUT: 852.95, 30 LF @ 5.54%
A03-B1	13+83	TYPE II RIM: 855.45	30 INCH CATCH BASIN		TO A03, 12" PVC INV OUT: 852.95, 13 LF @ 12.69%
A04	16+01	TYPE I RIM: 855.45	48 INCH STANDARD MANHOLE	FROM A05, 15" PVC INV IN: 850.96, 62 LF @ 0.15% FROM A04-A1, 12" PVC INV IN: 851.67, 35 LF @ 2.39% FROM A04-A2, 12" PVC INV IN: 851.68, 20 LF @ 2.61%	TO A03, 15" PVC INV OUT: 854.93, 34 LF @ 0.15%
A04-A1	15+83	TYPE II RIM: 855.00	30 INCH CATCH BASIN		TO A04, 12" PVC INV OUT: 852.50, 35 LF @ 2.39%
A04-A2	15+85	TYPE II RIM: 854.70	30 INCH CATCH BASIN		TO A04, 12" PVC INV OUT: 852.20, 20 LF @ 2.61%
A05	16+62	TYPE I RIM: 854.90	48 INCH STANDARD MANHOLE	FROM A06, 15" PVC INV IN: 851.15, 136 LF @ 0.15% FROM A05-A2, 12" PVC INV IN: 851.82, 28 LF @ 1.38% FROM A05-A1, 12" PVC INV IN: 851.82, 10 LF @ 3.91%	TO A04, 15" PVC INV OUT: 851.05, 62 LF @ 0.15%
A05-A1	16+64	TYPE II RIM: 854.70	30 INCH CATCH BASIN		TO A05, 12" PVC INV OUT: 852.20, 10 LF @ 3.91%
A05-A2	16+64	TYPE II RIM: 854.70	30 INCH CATCH BASIN		TO A05, 12" PVC INV OUT: 852.20, 28 LF @ 1.38%
A06	17+99	TYPE I RIM: 856.19	48 INCH STANDARD MANHOLE	FROM A07, 15" PVC INV IN: 851.45, 154 LF @ 0.15% FROM A06-A2, 12" PVC INV IN: 851.93, 36 LF @ 0.51% FROM A06-A1, 12" PVC INV IN: 851.93, 22 LF @ 5.85% FROM A06-A3, 12" PVC INV IN: 851.91, 36 LF @ 3.90%	TO A05, 15" PVC INV OUT: 851.35, 136 LF @ 0.15%
A06-A1	18+17	TYPE II RIM: 855.70	30 INCH CATCH BASIN		TO A06, 12" PVC INV OUT: 853.20, 22 LF @ 5.85%
A06-A2	18+16	TYPE II RIM: 855.70	30 INCH CATCH BASIN	FROM , 8" PVC INV IN: 852.11, 5 LF @ 0.00%	TO A06, 12" PVC INV OUT: 852.11, 36 LF @ 0.51%
A06-A3	17+80	TYPE II RIM: 855.80	30 INCH CATCH BASIN		TO A06, 12" PVC INV OUT: 853.30, 36 LF @ 3.90%
A07	19+53	TYPE I RIM: 855.53	48 INCH STANDARD MANHOLE		TO A06, 15" PVC INV OUT: 851.68, 154 LF @ 0.15%

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SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS		<p>W WESSLER ENGINEERING <i>More than a Project™</i></p>	CEDAR STREET WATER AND SEWER IMPROVEMENTS - PHASE I	SHEET NO.
	CHECKED BY	ALT							CITY OF AUBURN, INDIANA	20
	APPROVED BY	NAB							STRUCTURE DATA TABLE	TOTAL SHEETS
	ISSUE DATE	APRIL 2026							20	
PROJECT NUMBER	289325-04-001									