SET NO.

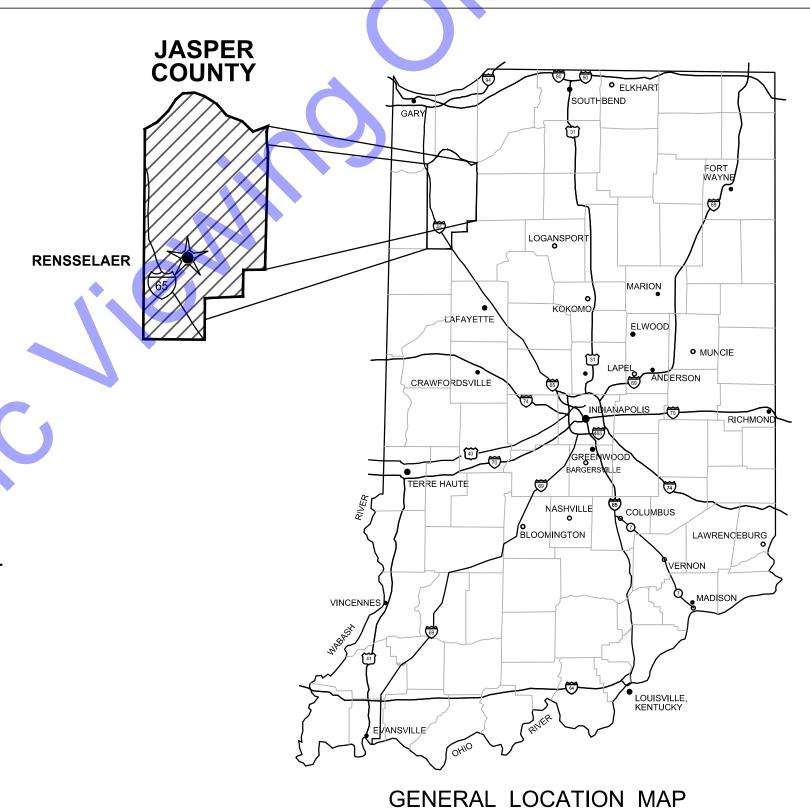
CITY OF RENSSELAER JASPER COUNTY, INDIANA

LTCP PHASE IIB AND III - DIVISION C MELVILLE SEWER REHABILITATION APRIL 2025

BOARD OF PUBLIC WORKS

JEFFREY S. PHILLIPS PRESIDENT
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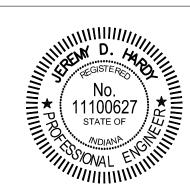




QA/QC BY: RYAN LAREAU, P.E. 4/24/2024
DATE:

CERTIFIED BY : JEREMY D. HARDY
INDIANA PE No. 11100627

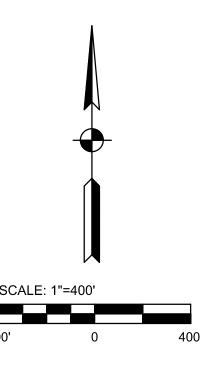
4/24/2024 DATE :



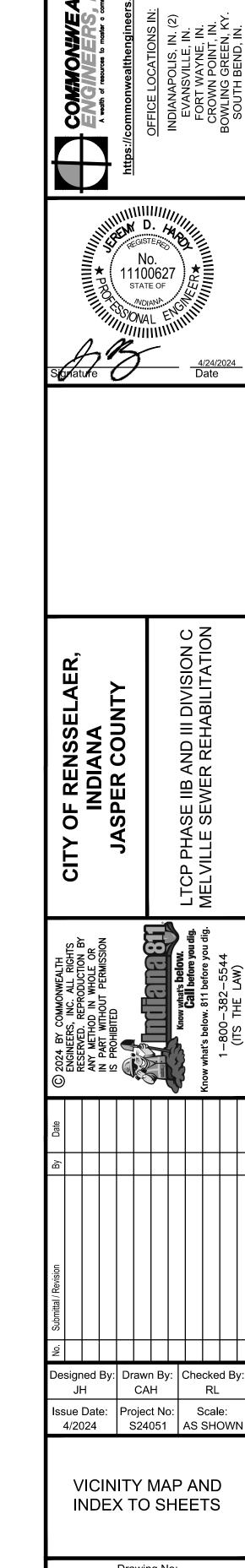
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CONTRACT NO. : \$24051





	INDEX TO SHEETS					
	SHEET#	DRAWING #	DESCRIPTION			
	1	G1	TITLE SHEET			
	2	G2	VICINITY MAP AND INDEX TO SHEETS			
	3	G3	GENERAL NOTES, LEGEND, EXISTING UTILITY NOTES AND CONTACTS			
	4	G4	GENERAL LOCATION PLAN			
	5	P1	PLAN			
	6	P2	PLAN			
	7	MD1	MISCELLANEOUS DETAILS			
	8	MOT1	MAINTENANCE OF TRAFFIC			
	9	EC1	EROSION CONTROL			



VICINITY MAP
SCALE: 1"=400'-0"

File: Z:\SHARED\IN CLIENTS M-Z\RENSSELAER\D S24051 - LTCP IMPRVS PH IIB AND III\DIV C MELVILLE SEWER REHAB\06 CAD\A CURRENT FILES\1 DRAWINGS\02 - S24\Saved: 4/25/2025 9:45:59 AM Plotted: 4/25/2025 9:48:06 AM Current User: Craiq Higbie LastSavedBy: chiqbie

EXISTING UTILITY NOTES

- 1. THE EXISTING UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. LOCATION, SIZE AND MATERIAL SHOWN ON UTILITIES ARE FROM AVAILABLE RECORDS AND AVAILABLE FIELD MARKINGS, SUPPLIED BY THE RESPECTIVE UTILITY COMPANY, THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE (IUPPS) MUST BE NOTIFIED 48 HOURS PRIOR TO ANY EXCAVATION FOR VERIFICATION OF LOCATION, SIZE AND MATERIAL FOR EXISTING UNDERGROUND
- 2. SIZE, MATERIAL, DEPTH AND LOCATION OF KNOWN EXISTING SEWER FACILITIES ARE FROM AVAILABLE HISTORIC INFORMATION AND ABOVE-GROUND INSPECTION AND MEASUREMENT. THE CONTRACTOR SHALL VERIFY ALL SEWER INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS PRIOR TO ANY CONSTRUCTION WHICH WOULD BE IMPACTED BY FACILITIES NOT LOCATED AS SHOWN IN THE CONTRACT DOCUMENTS. THE COST TO CORRECT ANY FACILITIES INSTALLED PRIOR TO VERIFICATION OF EXISTING CONDITIONS BY THE CONTRACTOR SHALL BE AT NO COST TO THE OWNER OR ENGINEER. DIFFERING CONDITIONS DISCOVERED DURING VERIFICATION WILL BE HANDLED PER THE
- 3. THE LOCATIONS OF UTILITIES AND STRUCTURES, BOTH SURFACE AND SUBSURFACE, ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF SURVEY AND ARE NOT NECESSARILY COMPLETE OR CORRECT. DETERMINING THE EXACT LOCATION AND PROTECTING UTILITIES AND STRUCTURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES WHETHER SHOWN ON THE PLANS OR NOT. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RESTORATION OF SAME IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY OWNER AND FOR ANY RESULTING CONTINGENT DAMAGE AND COST
- 4. IF UTILITY FACILITIES OTHER THAN THOSE SHOWN ARE LOCATED, OR IF UTILITIES ARE LOCATED WHICH ARE NOT IN ACCORDANCE WITH THE LOCATIONS SHOWN ON THE DRAWINGS, THE ENGINEER SHALL BE NOTIFIED TO DETERMINE IF PLAN REVISIONS ARE NEEDED.
- 5. ALL EXISTING UTILITIES SHOWN IN PROFILE ARE INDICATED AT THEIR ASSUMED ELEVATION. CONTRACTOR TO FIELD VERIFY PRIOR TO CONSTRUCTION.
- 6. IN GENERAL, UTILITY SERVICE LINES TO INDIVIDUAL CUSTOMERS ARE NOT SHOWN ON THE PLANS. CONTRACTOR SHALL ASSUME THAT UNDERGROUND SERVICE LINES EXIST TO EACH PROPERTY ALONG THE NEW SEWER ROUTE FOR WATER, SANITARY SEWER, GAS, ELECTRIC, TELEPHONE, AND FIBER OPTIC. THE CONTRACTOR SHALL LOCATE, PROTECT, AND IF DAMAGED BY CONTRACTOR, REPAIR ALL UTILITY SERVICE LINES ENCOUNTERED.
- 7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN IN SERVICE ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION UNLESS OTHERWISE INDICATED IN THE DRAWINGS. ANY UTILITY WHICH CAN BE REMOVED DURING CONSTRUCTION WITHOUT UNDUE INTERRUPTION OF SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE PERMISSION OF THE OWNER AND THE APPLICABLE UTILITY OWNER.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/REPLACEMENT TO ALL DAMAGED WATER SERVICES. CONTRACTOR MUST NOTIFY WATER MAINTENANCE AND SERVICE DISPATCHER OF ANY DAMAGES TO THE WATER FACILITIES. DAMAGED WATER FACILITIES MUST BE REPAIRED BY THE CONTRACTOR WITHIN TWO (2) HOURS AT NO ADDITIONAL COST TO THE OWNER. IF WATER MAINTENANCE IS REQUIRED TO MAKE REPAIRS, THE CONTRACTOR WILL BE BILLED. WATER MAIN REPLACEMENT SHALL BE COORDINATED WITH INDIANA AMERICAN WATER CO. AND SHALL BE COMPLETED IN CONFORMANCE TO THE CONTRACT DOCUMENTS.
- 9. THE CONTRACTOR SHALL PROTECT ALL POWER POLES FROM DAMAGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES. WHERE REQUIRED, ALL UTILITY POLES ARE TO BE SUPPORTED IN A MANNER APPROVED BY THE APPROPRIATE UTILITY DURING INSTALLATION OF SEWER PIPE. ALL COSTS ASSOCIATED WITH MAINTAINING SAID FLOWS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ALL COSTS ASSOCIATED WITH THE PROTECTION AND/OR TEMPORARY SUPPORT OF UTILITY POLES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 10. THE CONTRACTOR SHALL MAKE PROVISIONS TO MAINTAIN FLOWS IN SEWERS AT ALL TIMES. BYPASS PUMPING OR ALTERNATE PROVISIONS MAY BE REQUIRED AND SHALL BE SUFFICIENT TO CONVEY FLOWS UNDER ALL CONDITIONS. ALL COSTS ASSOCIATED WITH MAINTAINING SAID FLOWS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 11. ALL PROPERTY AND RIGHT-OF-WAY LINES INFORMATION SHOWN IN DRAWING SET ARE APPARENT AND SHALLNOT BE DEEMED EXACT LOCATIONS. UNLESS OTHERWISE NOTED.
- 12. EXISTING UTILITY INFORMATION SHOWN IN DRAWINGS, MEETS "ASCE 36-02" QUALITY LEVEL B, UNLESS OTHERWISE

UTILITY COLLECTION AND PROJECT DIRECTION OF EXISTING SUBSURFACE UTILITY DATA: UTILITY QUALITY DESCRIPTIONS:

UTILITY QUALITY LEVEL A: PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. ACCURACY OF LOCATION MATCHES PROJECT SURVEY TOLERANCE.

<u>UTILITY QUALITY LEVEL B</u>: INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION SUBSURFACE UTILITIES. THE RELIABILITY OF THIS INFORMATION IS SURVEYED TO PROJECT CONTROL AND SUBJECT TO ACCURACY LEVELS OF THE GEOPHYSICAL TOLERANCE DEFINED BY THE PROJECT.

<u>UTILITY LEVEL C</u>: INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND CORRELATING QUALITY LEVEL D INFORMATION.

<u>UTILITY LEVEL D</u>: INFORMATION DERIVED FROM EXISTING RECORDS OF VERBAL RECOLLECTIONS.

GENERAL NOTES

- IF ANY ERRORS OR DISCREPANCIES BECOME APPARENT, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- 2. LIMITS OF CONSTRUCTION SHALL BE WITHIN EXISTING RIGHT-OF-WAYS UNLESS OTHERWISE NOTED.
- FOR AREAS OUTSIDE OF EXISTING RIGHT-OF-WAYS, THE CONTRACTOR SHALL CONFINE ALL WORK TO THE LIMITS OF PERMANENT AND TEMPORARY EASEMENTS OR CONSTRUCTION LIMIT BOUNDARIES AS SHOWN ON THE DRAWINGS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING, AT NO ADDITIONAL COST TO THE OWNER, TEMPORARY EASEMENTS NEEDED FOR STORAGE, STOCKPILING, ACCESS, OR ANY OTHER REASON, OUTSIDE OF ANY EASEMENTS OR RIGHT-OF-WAY PROVIDED.
- THE CONTRACTOR SHALL COORDINATE THE ACTIVITIES OF THEIR PERSONNEL, SUBCONTRACTORS, AND UTILITIES PERFORMING WORK ON THIS PROJECT. THE CONTRACTOR SHALL ALSO COORDINATE WITH THE OWNER'S OPERATIONS AND MAINTENANCE PERSONNEL WHO MAY BE WORKING IN OR NEAR THE PROJECT
- THE CONTRACTOR IS SOLELY AND COMPLETELY RESPONSIBLE FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING EROSION CONTROL AND THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OR WORK ON THE PROJECT.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINES, GRADES AND ELEVATIONS. ALL PIPES SHALL SLOPE UNIFORMLY BETWEEN INVERT ELEVATIONS SHOWN.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL MUD, DIRT, GRAVEL, AND ANY OTHER MATERIALS TRACKED ONTO ANY PUBLIC OR PRIVATE STREETS, PARKING LOTS, OR WALKS. THIS MATERIAL REMOVAL OR SWEEPING OF THE STREETS SHALL BE DONE AS FREQUENTLY AS NECESSARY TO MAINTAIN REASONABLY CLEAN AREAS. THE CONTRACTOR SHALL ALSO CONTROL DUST THROUGH THE USE OF WATERING, APPLICATION OF DUST PALLIATIVE, OR OTHER APPROVED METHODS. NO DIRECT PAYMENT WILL BE MADE FOR ANY SUCH CLEANING WORK OR DUST CONTROL.
- 9. EXISTING SIGNS TO BE REMOVED AND RESET AFTER CONSTRUCTION SHALL BE COORDINATED WITH THE CITY OF RENSSELAER.
- 10. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL PERMITS OBTAINED FOR THE PROJECT.
- 11. THE COST OF ABIDING BY THE PROVISIONS OF PERMITS ISSUED BY VARIOUS AGENCIES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. ALL ASSOCIATED BONDING REQUIREMENTS AND COSTS SHALL ALSO BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 12. THE CONTRACTOR SHALL PRESERVE AND PROTECT PROPERTY MARKERS, SECTION CORNERS, SURVEY MARKS AND BENCHMARKS, SUCH AS STONES, PIPES, OR OTHER MONUMENTS ENCOUNTERED. IF THE CONTRACTOR MUST DISTURB THE PROPERTY MARKERS OR MONUMENTS, THEIR HORIZONTAL AND VERTICAL LOCATION SHALL BE DETERMINED AND RECORDED BY A REGISTERED LAND SURVEYOR AND THE OWNER NOTIFIED BEFORE DISTURBING. ALL PROPERTY MARKERS AND MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE RE-ESTABLISHED BY A REGISTERED LAND SURVEYOR TO FINAL COMPLETION.
- 13. ROADWAY SURFACING AND BASE MATERIALS OR OTHER PROPERTY REMOVED OR DAMAGED, SHALL BE REPLACED OR REPAIRED AS PROVIDED FOR IN THE CONTRACT DOCUMENTS.
- REGRADE AREAS AS NECESSARY WITHIN THE CONSTRUCTION LIMITS TO ALLOW PROPER DRAINAGE TO EXISTING STORM SEWER STRUCTURES. ANY EXCESS SOIL AND SPOIL MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE.
- WORK NOT SPECIFIED FOR PAYMENT AS OR PART OF A SPECIFIC PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT BY THE CONTRACTOR.
- COORDINATION AND PROPER FIT AND SURVEY OF ALL PROJECT ELEMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION STAKEOUT OF THE PROJECT ELEMENTS TO VERIFY THE COORDINATES PROVIDED.
- 17. THE CONTRACTOR SHALL VERIFY ALL RIM ELEVATIONS OF PROPOSED STRUCTURES PRIOR TO ORDERING
- 18. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT IN CONTRACT DOCUMENTS FOR BORING LOCATIONS AND LOGS.
- 19. ALL NORTHINGS AND EASTINGS PROVIDED FOR NEW STRUCTURES ARE DESIGNATED TO THE CENTER OF
- 20. ADDITIONAL ACCESS ROAD OUTSIDE OF WHAT IS SHOWN ON DRAWINGS SHALL BE INCIDENTAL TO OTHER PAY ITEMS.
- 22. CONTRACTOR TO MAINTAIN 10'-0" HORIZONTAL AND 1'-6" VERTICAL SEPARATION BETWEEN SANITARY SEWERS/SANITARY LATERALS AND WATER MAINS/SERVICE LATERALS IN ACCORDANCE WITH IDEM REQUIREMENTS AND INDIANA ADMINISTRATIVE CODE. MANHOLES AND WATER MAINS/SERVICE LATERALS SHALL HAVE MINIMUM 8'-0" SEPARATION. WHERE SEPARATION DISTANCES CAN NOT BE MAINTAINED, PRESSURE RATED SEWER PIPE AND APPROPRIATELY LINED MANHOLES SHALL BE UTILIZED IN ACCORDANCE WITH THE SEPARATIONS. SEWER SHALL HAVE PIPE JOINTS LOCATED AS FAR AS POSSIBLE FROM THE WATER MAIN (ONE FULL SEWER PIPE LENGTH CENTERED AT WATER MAIN)

UTILITY CONTACTS

Utility	Address	Contact	Email	Phone
Enterprise Products Partners L.P.	PO Box 4324, Houston, Texas 77210	Nathan Urley	nlulrey@eprod.com	317-290-4001
CenturyLink	213 West Laporte Street, Plymouth, IN 46563	Bruce Emerick		574-926-1247
Jasper County REMC	280 East Wood Road, Rensselaer, IN 47978	Craig Smart	craigs@jasperremc.com	219-866-4601
NITCO Cable	575 West Parks Drive, Rensselaer, IN 47978	Don Schoenbeck		219-866-7101
City of Rensselaer (Electric)	425 North Van Rensselaer Street, Rensselaer, IN 47978	Leonard Larson, Lead Line Foreman		219-866-8475
City of Rensselaer (Gas)	706 North Cullen Street, Rensselaer, IN 47978	Carol Lockridge, Superintendent	<u>ilockridge@cityofrensselaerin.com</u>	219-866-5206
City of Rensselaer (Water)	820 East Walnut Street, Rensselaer, IN 47978	Bryce Black, Superintendent	bblack@cityofrensselaerin.com	219-866-5530
City of Rensselaer (Sewer)	820 East Walnut Street, Rensselaer, IN 47978	Bryce Black, Operator		219-866-5530

EROSION CONTROL LEGEND



INLET PROTECTION PERMANENT SEEDING/MULCHING

EXSN ————————————————————————————————————	EXISTING 24" SANITARY SEWER TO BE CLEANED AND LINED EXISTING 12" SANITARY SEWER TO BE CLEANED AND LINED EXISTING SANITARY MANHOLE TO BE LINED
EXSN	EXISTING SANITARY SEWER
EXFM	EXISTING FORCE MAIN
	EXISTING STORM STRUCTURE
EXST	EXISTING STORM SEWER
EXW	EXISTING WATERLINE
Ø	EXISTING FIRE HYDRANT
×	EXISTING WATER VALVE
\	EXISTING WATER SPIGOT
(EXISTING WATER METER

LEGEND

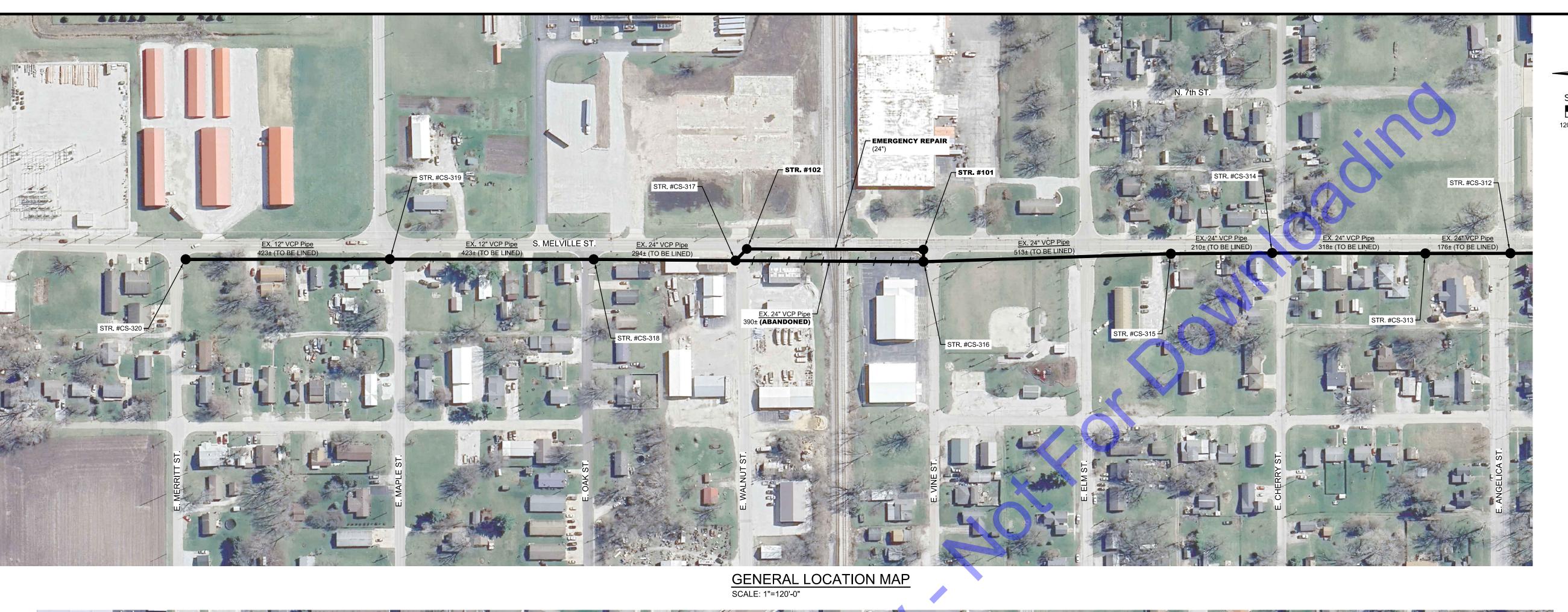
APPROX. PROPERTY LINE

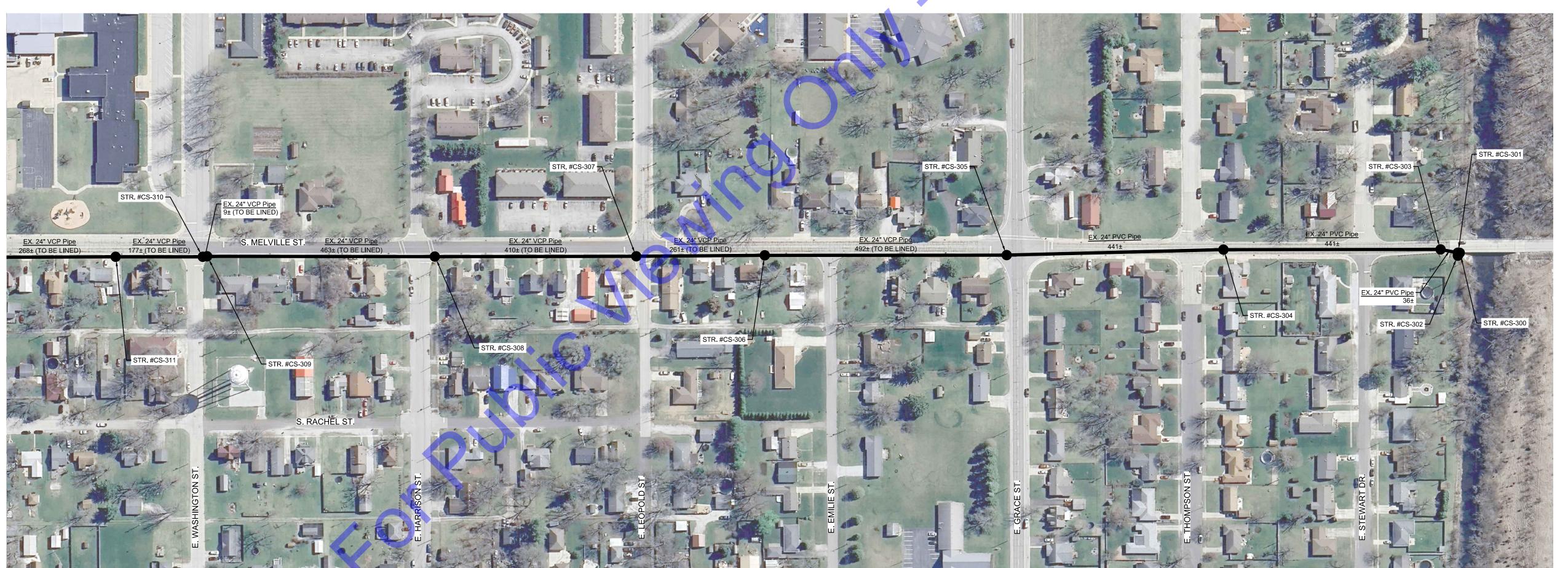
GM	EXISTING GAS METER	(M)	EXISTING WATER METER
EXF/O	EXISTING FIBER OPTICS	——— EXG ———	EXISTING GAS LINE
FO	EXISTING FIBER OPTICS BOX	8	EXISTING GAS VALVE
ЕВ	EXISTING ELECTRIC BOX	-	EXISTING LIGHT POLE
MB	EXISTING MAILBOX	$\leftarrow \sim$	EXISTING POWER POLEW/ GUY WIF
4	EXISTING SIGN		EXISTING OVERHEAD ELECTRIC
•	EXISTING POST		EXISTING BURIED TELEPHONE
x x	EXISTING FENCE	TP	EXISTING TELEPHONE PEDESTAL
	EXISTING GUARDRAIL		EDGE OF DRIVE
끉	EXISTING DECIDUOUS TREE	X 866.8	EXISTING SPOT ELEVATION
ZWZ	EXISTING EVERGREEN TREE	A	CONTROL POINT
\circ	EXISTING SHRUB/BUSH	•	TEMPORARY BENCH MARK
	EXISTING TREE LINE	0	EXISTING BIG ROCK
_ — _ 890 — — _	EXISTING MAJOR CONTOUR LINE		
	EXISTING MINOR CONTOUR LINE		
	APPROX. RIGHT-OF-WAY		

GENERAL NOTES. LEGEND, EXISTING UTILITY NOTES AND CONTACTS

S24051 AS SHOW

ssue Date: | Project No: |





GENERAL LOCATION MAP
SCALE: 1"=120'-0"

apte of the common goal.

| Cookwook | Cookw

ITY OF RENSSELAER, INDIANA JASPER COUNTY

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Know what's below. 811 before you dig.

No. Submittal / Revision By Date

Designed By:
JH

CAH

Scale:
4/2024

Drawn By:
CAH

CAH

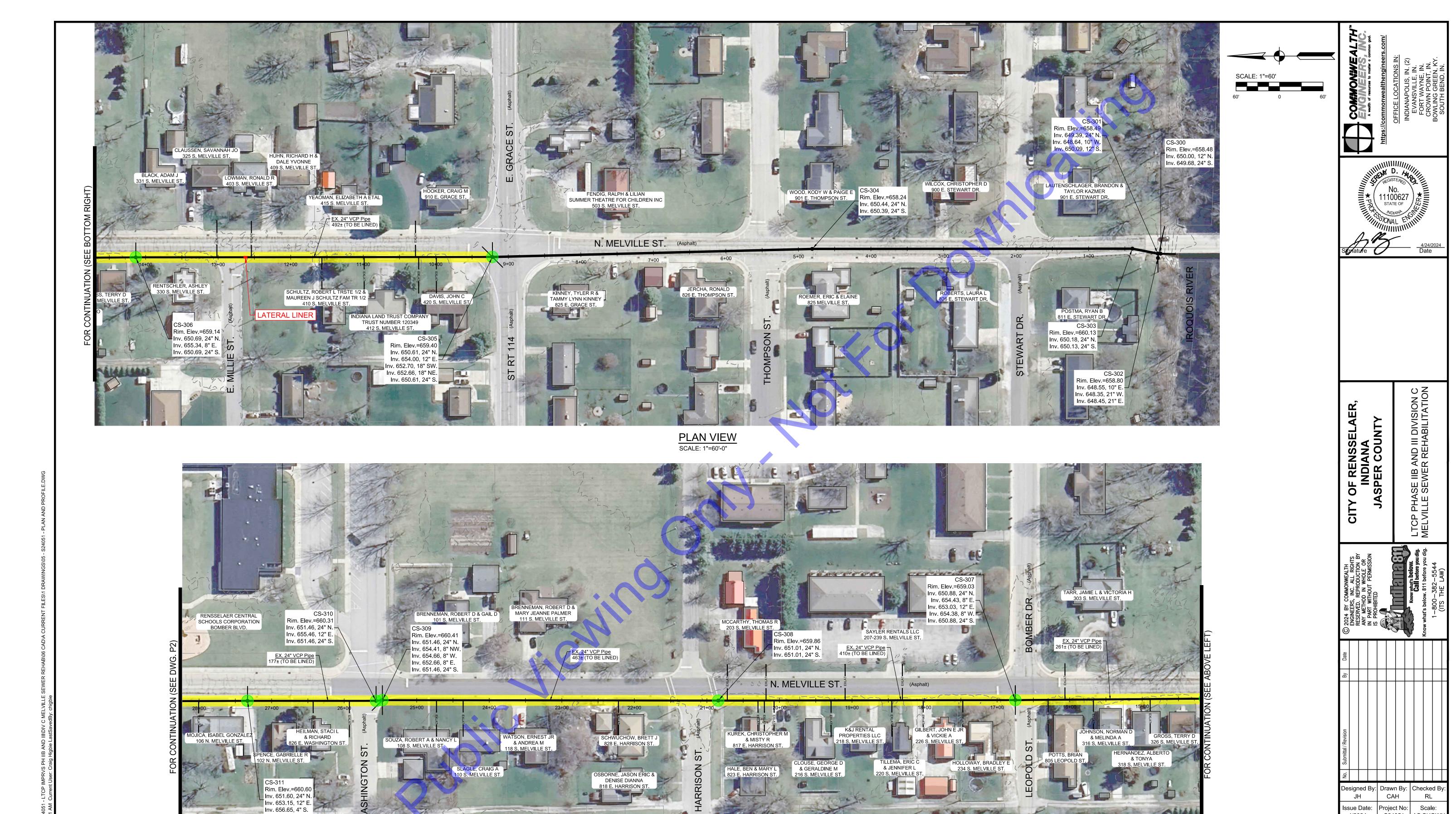
Scale:
AS SHOWN

GENERAL LOCATION PLAN

Drawing No:

G4

neet: 4 OF

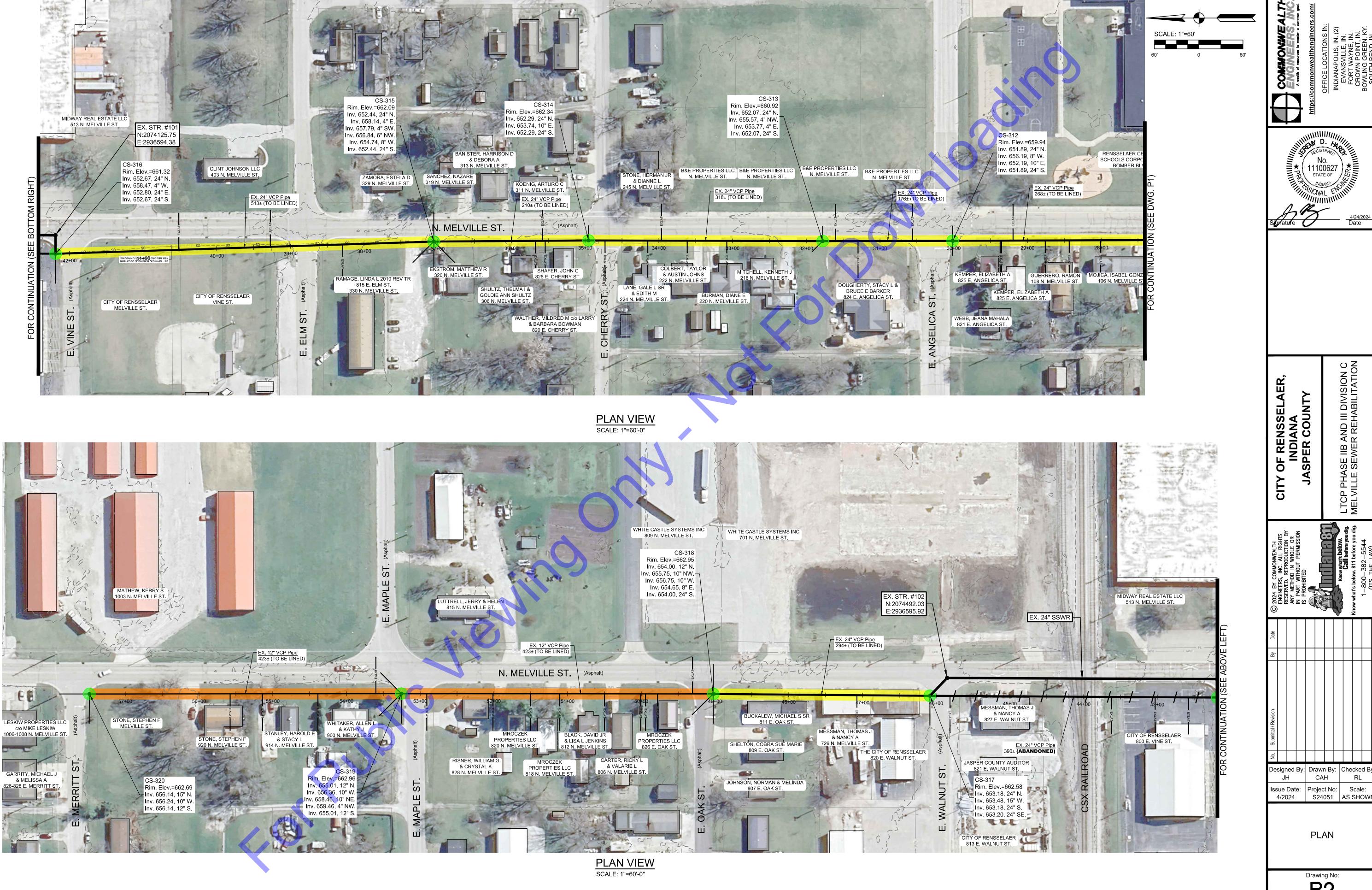


PLAN VIEW
SCALE: 1"=60'-0"

Drawing No: P1 Sheet: 5 OF 9

4/2024 S24051 AS SHOWN

PLAN



P2

CAH

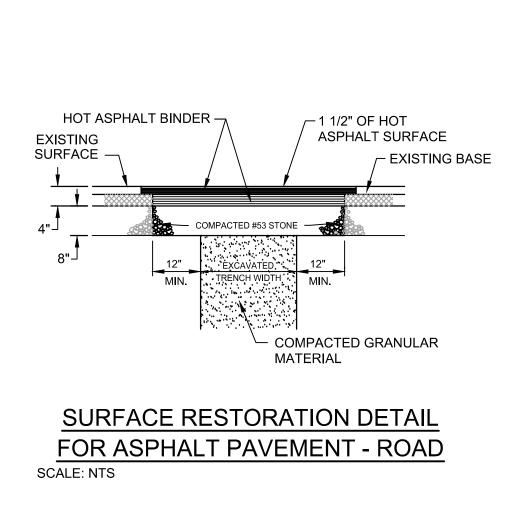
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PLAN

Drawing No:

S24051 AS SHOW

HASE IIB AND I LE SEWER REF



— EXISTING GRADE

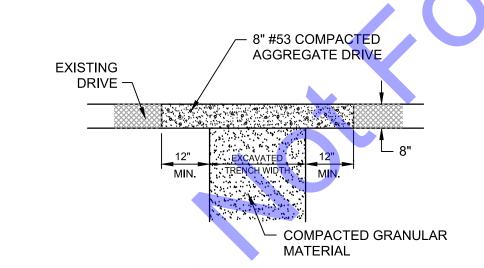
SEED AND MULCH COVER

SELECTED EXCAVATED

MATERIAL

SURFACE RESTORATION DETAIL

FOR GRASS AREAS



FERNCO —

POINT REPAIR DETAIL

— NEW 24" PVC

(APPROX. 12 LF)

COUPLING

EXISTING —

FERNCO — COUPLING

NO SCALE

SANITARY SEWER

(TO BE LINED)

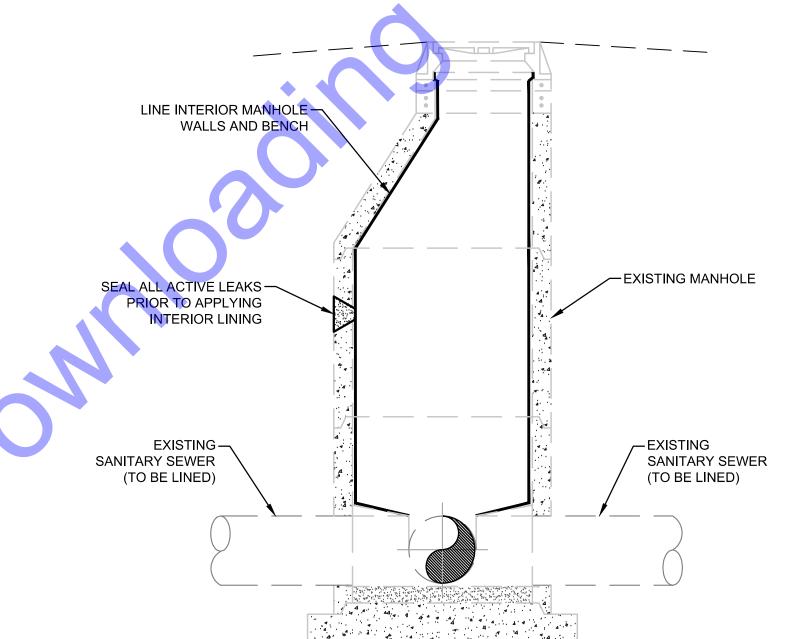
CONCRETE COLLAR AROUND FITTINGS

_EXISTING

SANITARY SEWER

(TO BE LINED)

SURFACE RESTORATION DETAIL FOR GRAVEL PAVEMENT - ROAD

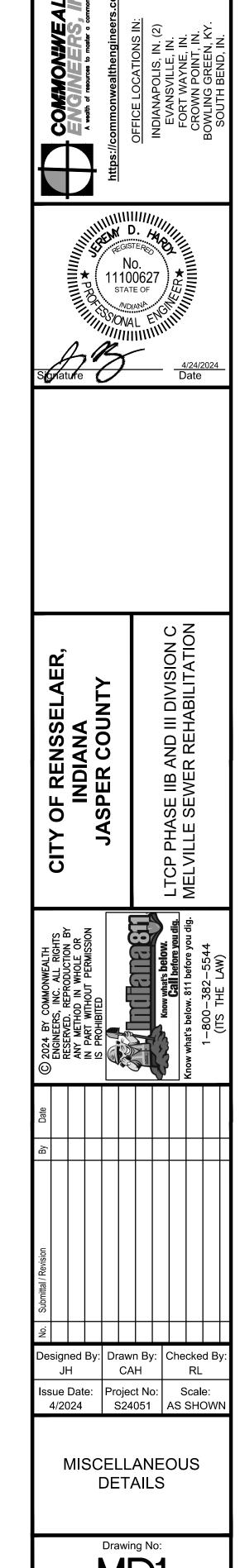


NOTES:

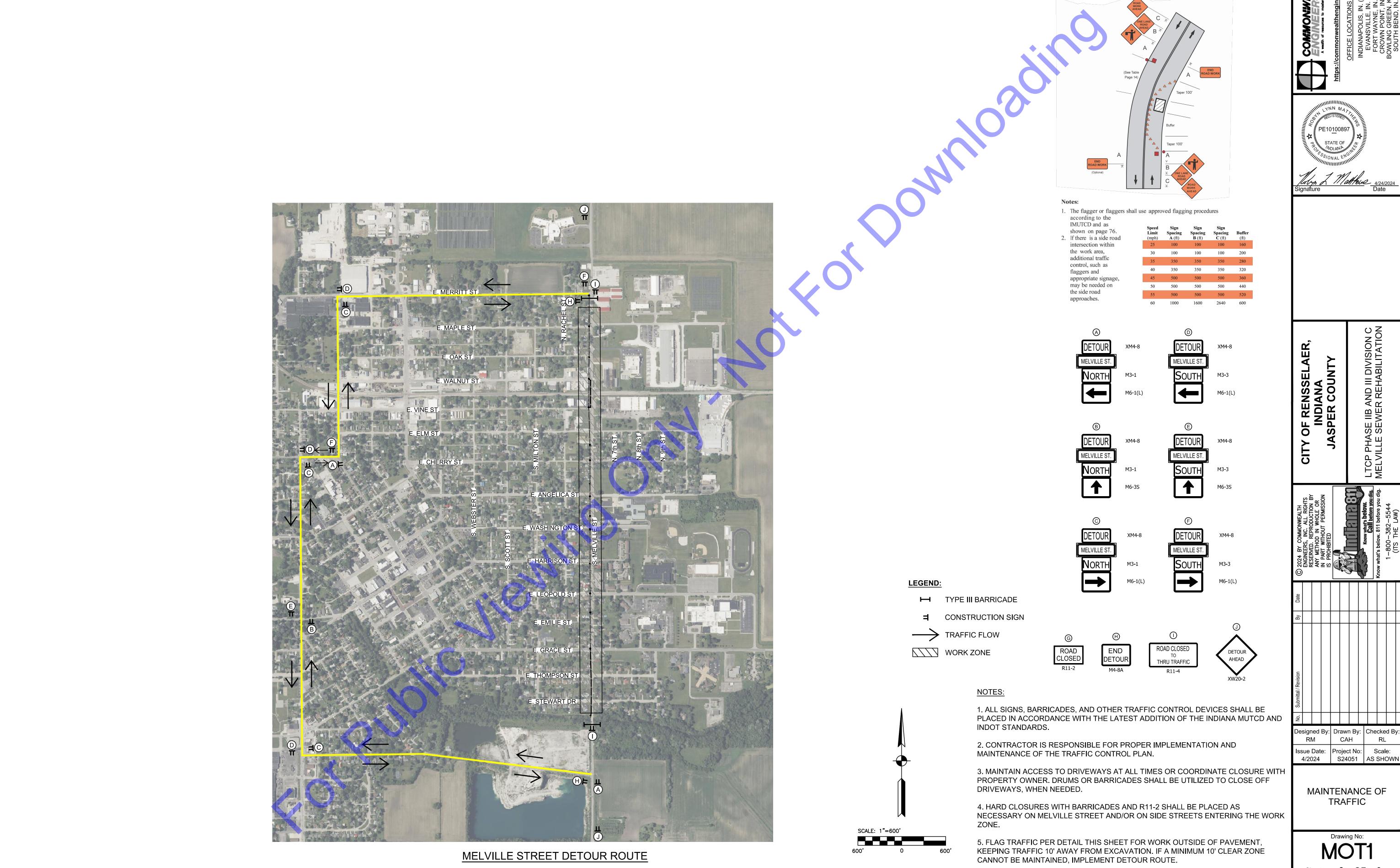
1. MANHOLE LINING - INCLUDES SEALING ANY ACTIVE LEAKS AND LINING THE MANHOLE.

2. MANHOLE INVERT OPENING REPAIR - INCLUDES REPAIRING LEAKS AT THE EXISTING PIPE PENETRATIONS INTO THE MANHOLE.

EXISTING MANHOLE SEALING/LINING DETAIL NO SCALE



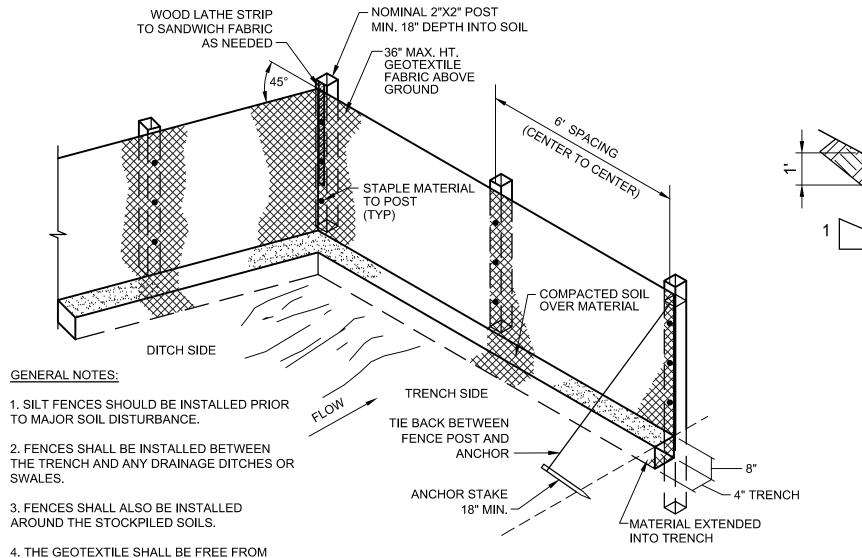
MD1



Lane Closure on a Two-Lane Road
(Two Flagger Operation)
(Short Term Stationary – 1 to 12 hours)

GENERAL EROSION AND SEDIMENT CONTROL NOTES

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



 $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{\mathsf{GEOTEXTILE}}}}}$ FABRIC **FLOW SECTION VIEW** REVETMENT RIP-RAP -GEOTEXTILE APRON **PLAN VIEW**

GENERAL NOTES:

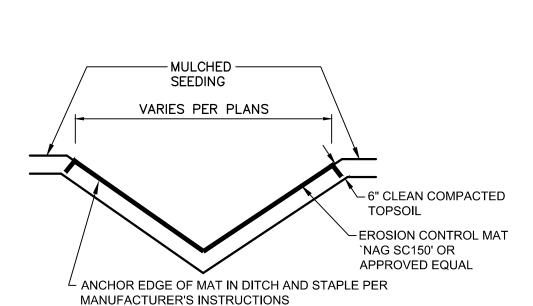
1. TO BE INSTALLED DOWNSTREAM OF ALL EXCAVATIONS ACROSS DITCHES.

2. AFTER COMPLETION OF CONTRACT, OR AS REQUESTED BY OWNER, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL ITEMS, REMOVE ALL ACCUMULATED DEPOSITS AND, AS REQUIRED, SEED AND MULCH OR SOD AS REQUIRED TO ESTABLISH AREA TO CONDITION PRIOR TO CONSTRUCTION.

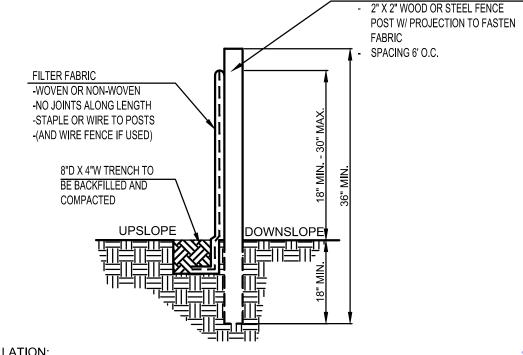
3. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH ALL ASPECTS OF "327 IAC 15-5" AND THE INDIANA STORM WATER QUALITY MANUAL.

TEMPORARY RIP-RAP CHECK DAM DETAIL

- 1. INSPECT DAILY, AND AFTER EACH STORM EVENT OR HEAVY USE. 2. RESHAPE AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
- 3. TOPDRESS WITH CLEAN STONE AS REQUIRED. MAINTAIN MINIMUM DEPTH THROUGHOUT CONSTRUCTION.
- 4. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY SWEEPING OR BRUSHING. (DO NOT FLUSH AREA WITH WATER UNLESS WATER IS CONVEYED TO SEDIMENT TRAP.)
- 5. REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.



DITCH/SWALE RESTORATION DETAIL



DEFECTS, TEARS, PUNCTURES, FLAWS,

DETERIORATION OR DAMAGE INCURRED

STORAGE, OR INSTALLATION.

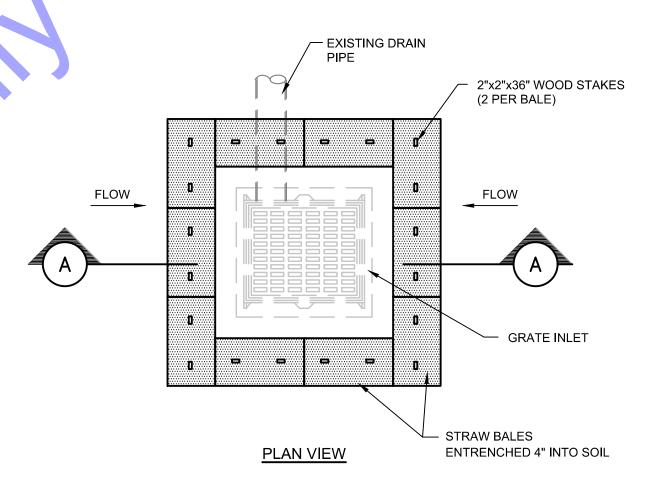
DURING MANUFACTURE, TRANSPORTATION,

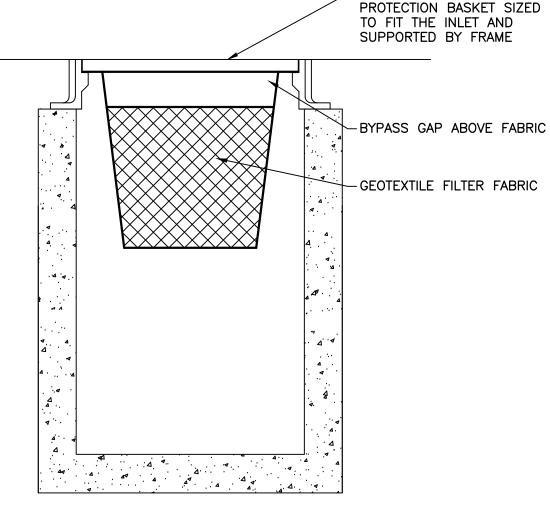
5. TIE BACKS SHALL BE PLACED AS REQUIRED.

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

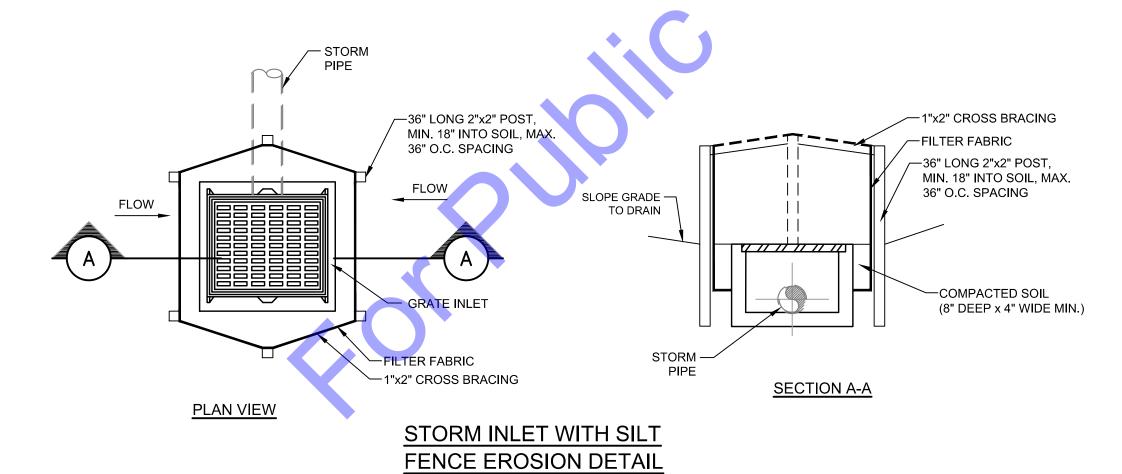
- 1. INSPECT SILT FENCE PERIODICALLY (WEEKLY) AND AFTER EACH STORM EVENT
- 3. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE, OR IT IS
- CAUSING THE FABRIC TO BULGE.
- 4. TAKE CARE NOT TO UNDERMINE THE FENCE DURING SEDIMENT REMOVAL 5. AFTER THE CONTRIBUTING AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND REMAINING SEDIMENT, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

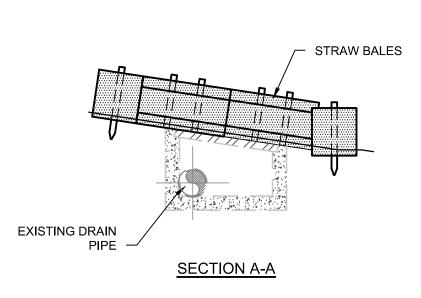
SILT FENCE SECTION



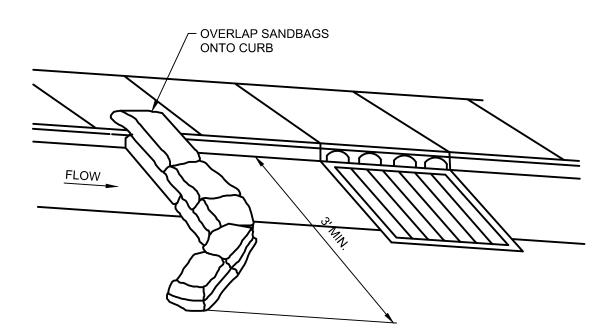


INSERT (BASKET) INLET PROTECTION





STORM INLET IN TURFED AREAS PROTECTION DETAILS NO SCALE



SANDBAG DIVERSION AT CURB INLET

IN PAVED AREAS

PRE-MANUFACTURED INLET \overline{S} Designed By:| Drawn By: | Checked By CAH Issue Date: Project No: S24051 AS SHOW 4/2024

EROSION CONTROL

Drawing No:

EC1