CITY OF RENSSELAER JASPER COUNTY, INDIANA

WATERWORKS IMPROVEMENTS 2025 WATER SERVICE REPLACEMENTS MAY 2025

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GENERAL LOCATION MAP

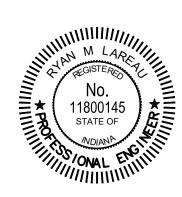


QA/QC BY: ANDREW M. ROBARGE

___ <u>5/5/2025</u> DATE :

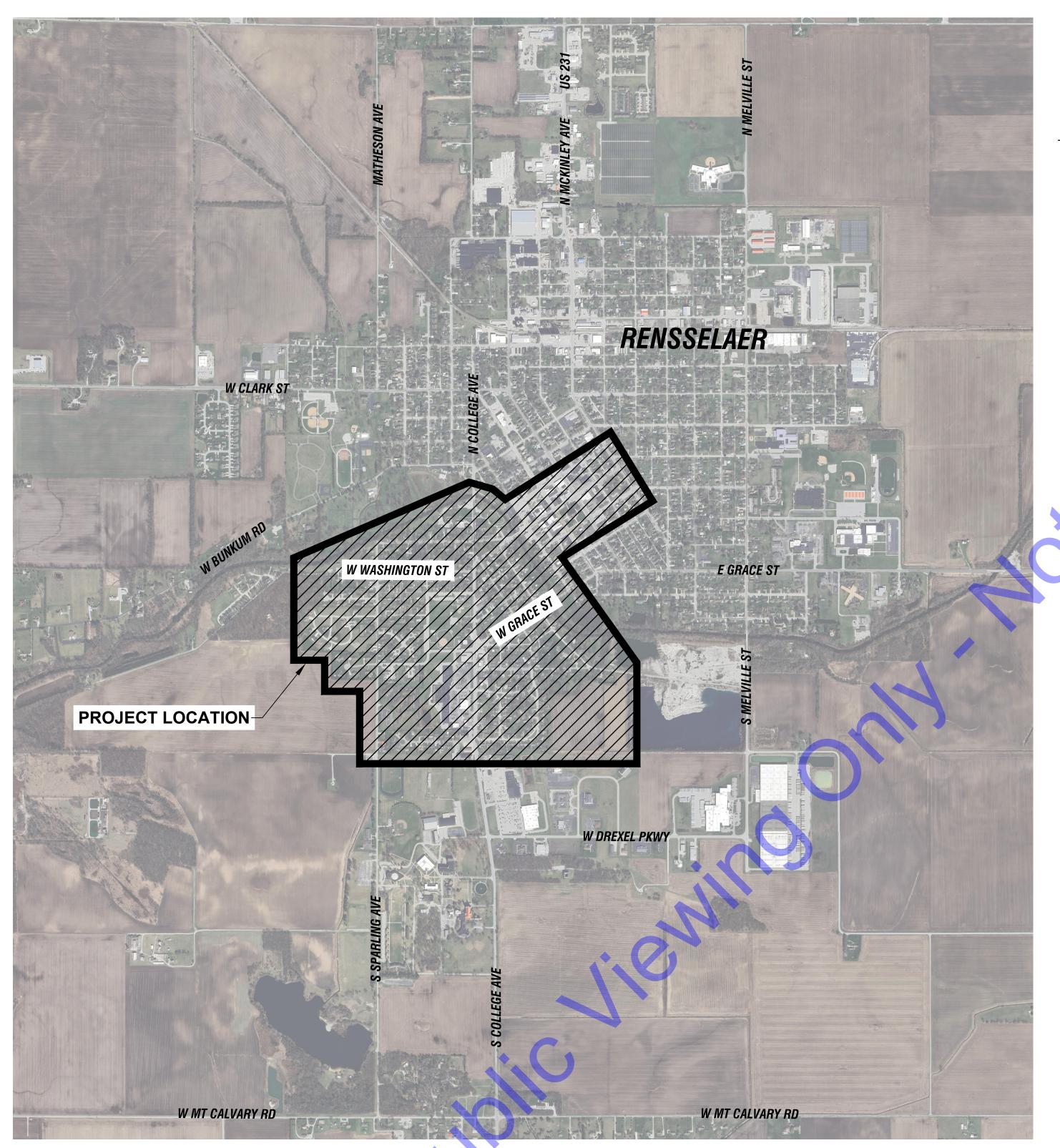
CERTIFIED BY:

RYAN LAREAU INDIANA P.E. No. 11800145 5/5/2025 DATE:



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CONTRACT NO. : W22136



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Issue Date: Project No: Scale: 5/5/2025 W22136 AS SHOWN

VICINITY MAP AND DRAWING SET INDEX

Drawing N

Sheet: 02 OF 24

VICINITY MAP

SCALE: 1"=1000'-0"

0 1000' 2000'

GENERAL ABBREVIATIONS

	<u></u>				
•	AID	EL D	EU TRATE BRAIN		MATERIAL
A	AIR	FLD	FILTRATE DRAIN		MATERIAL
AB	ANCHOR BOLT	FLG	FLANGE	P/L	PROPERTY LINE
AFF	ABOVE FINISH FLOOR	FL	FLUSHING LINE	POJ	PUSH ON JOINT
ALT	ALTERNATE	FLR	FLOOR	PSF	POUNDS PER SQUARE FOOT
ALUM	ALUMINUM	FM	FORCE MAIN	PSI	POUNDS PER SQUARE INCH
@	AT	FRP	FIBER REINFORCED PLASTIC	PVC	POLYVINYL CHLORIDE
APP.	APPARENT	FT	FEET OR FOOT	PW	POTABLE WATER
ATT	AERATION TANK TRANSFER	FTG	FOOTING		
AUTO	AUTOMATIC	FW	FINISHED WATER	R	RECIRULCATION
AVG	AVERAGE	. ••	THUSINES WATER	RAD	RADIUS
7.00	7(VEIV)(OE	G	GAS	RAS	RETURN ACTIVATED SLUDGE
В	BAFFLE	GALV	GALVANIZED		REINFORCED CONCRETE PIPE
				RCP	
BLDG	BUILDING	GEN	GENERAL	RD	ROOF DRAIN
BM	BENCH MARK	GRD	GROUND OR GRADE	REINF	REINFORCING
ВОТ	BOTTOM			REQ'D	REQUIRED
BRG	BEARING	HB	HOSE BIBB	R/W (ROW) RIGHT-OF-WAY
		HORIZ	HORIZONTAL		
CFM	CUBIC FEET PER MINUTE	HP	HORSEPOWER	SAN	SANITARY
CL	CENTERLINE	HW	HOT WATER	SAS	SANITARY SEWER
CO	CLEAN OUT			SCH	SCHEDULE
COL/C	COLUMN	ID	INSIDE DIAMETER	SECT	SECTION
CONC	CONCRETE	IJ	ISOLATION JOINT	SF	SQUARE FEET
COP	COPPER	INV	INVERT	SHT	SHEET
CJ	CONSTRUCTION JOINT	IP	IRON PIN	SL	SAMPLE LINE
CW	COLD WATER	"		SOS	STORM SEWER
CY	CUBIC YARD	1.417	LAVATORY		
CT	CODIC TARD	LAV		SP	STOP PLATE
Б	DDAIN	LB	POUND	SQ	SQUARE
D	DRAIN	LL	LIVE LOAD	STD	STANDARD
DEC	DECANT	LLV	LONG LEG VERTICAL	•	STAINLESS STEEL
DIA	DIAMETER	LTG	LIGHTING	STL	STEEL
DIM	DIMENSION			SUP	SUPERNATANT
DI	DUCTILE IRON PIPE	MAX	MAXIMUM	SY	SQUARE YARD
DL	DEAD LOAD	MCC	MOTOR CONTROL CENTER		
DSPT	DOWN SPOUT	MGD	MILLIONS GALLONS PER DAY	TOS	TOP OF SLAB
DWG	DRAWING	MH	MANHOLE	TOW	TOP OF WALL
		MIN	MINIMUM, MINUTE	TW	TERTIARY WATER
Е	ELECTRICAL CONDUIT	MJ	MECHANICAL JOINT	TYP	TYPICAL
EA	EACH				
EF	EACH FACE	NC	NORMALLY CLOSED	V	VACUUM OR VALVE
EFFL	EFFLUENT	NG	NATURAL GAS	VAR	VARIES
EL	ELEVATION	NIC	NOT IN CONTRACT		
EW	EACH WAY			VERT	VERTICAL
		NO	NORMALLY OPEN	147	MEID
EX	EXISTING	NO.	NUMBER	W	WEIR
EXF	EXHAUST FAN	NPW	NON-POTABLE WATER	W/	WITH
EXP JP	EXPANSION JOINT			W/O	WITHOUT
_		OC	ON CENTER	WAS	WASTE ACTIVATED SLUDGE
F	FILTER	OD	OUTSIDE DIAMETER	WC	WATER CLOSET
FCAR	FLANGED COUPLING ADAPTER,	OPG	OPENING	WH	WATER HEATER
	RESTRAINED	OPP	OPPOSITE	WL	WATER LINE
FD	FLOOR DRAIN			WWF	WELDED WIRE FABRIC
FDN	FOUNDATION	PB	PULL BOX		
FH	FIRE HYDRANT	PE	POLYETHYLENE EXP. JT.	ΥH	YARD HYDRANT
		_			· — · - · ·

GENERAL NOTES

- 1. ALL PROPERTY AND RIGHT-OF-WAY LINE INFORMATION SHOWN IN DRAWING SET ARE APPARENT AND SHALL NOT BE DEEMED EXACT LOCATIONS, UNLESS OTHERWISE NOTED. INFORMATION WAS OBTAINED VIA "INDIANA ON-LINE" GIS SHAPE FILES.
- 2. EXISTING UTILITY INFORMATION SHOWN IN DRAWING SET, MEETS "ASCE 36-02" QUALITY LEVEL "*", UNLESS OTHERWISE NOTED.
 - UTILITY COORDINATION AND PROJECT DEPICTION OF EXISTING SUBSURFACE UTILITY DATA:

UTILITY QUALITY LEVEL DESCRIPTIONS:

RECOLLECTIONS.

GEOPHYSICAL TOLERANCE DEFINED BY THE PROJECT.

UTILITY QUALITY LEVEL A - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATIONS OF PREVIOUSLY EXPOSED AND

SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. ACCURACY OF LOCATION MATCHES PROJECT SURVEY TOLERANCE.

UTILITY QUALITY LEVEL B - 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

UTILITY QUALITY LEVEL C - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND CORRELATING QUALITY LEVEL "D" INFORMATION. **UTILITY QUALITY LEVEL D** - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL

- NORTHING AND EASTING COORDINATES SHOWN ON ALL MANHOLE, INLETS, ETC. ARE SHOWN FROM CENTER OF STRUCTURE NOT CASTING, UNLESS OTHERWISE NOTED.
- 4. ALL MANHOLES THAT HAVE PIPE INVERT DIFFERENTIAL OF 2' OR GREATER, SHALL BE CONSIDERED A DROP MANHOLE. CONTRACTOR SHALL REFER TO MISCELLANEOUS DETAILS AND DETAILED SPECIFICATIONS FOR MORE INFORMATION.

PROJECT NOTES

- 1. 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.
- 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.
- 3. 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINES, GRADES AND ELEVATIONS.
- 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.
- EXISTING SIGNS TO BE REMOVED AND RESET AFTER CONSTRUCTION SHALL BE COORDINATED WITH THE CITY OF RENSSELAER.
- EXISTING SIDEWALK TO BE REPLACED TO THE NEAREST JOINT AND REPLACED AS NEEDED FOR INSTALLATION OF OTHER WORK AS SHOWN.
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL PERMITS OBTAINED FOR THE PROJECT.
- 10. THE COST OF ABIDING BY THE PROVISIONS OR 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.
- 11. 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.
- 12. ROADWAY SURFACING AND BASE MATERIALS OR OTHER PROPERTY REMOVED OR DAMAGED, SHALL BE REPLACED OR REPAIRED AS PROVIDED FOR IN THE CONTRACT DOCUMENTS.
- 13. 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.
- 14. WORK NOT SPECIFIED FOR PAYMENT AS OR PART OF A SPECIFIC PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT BY THE CONTRACTOR.
- 15. COORDINATION AND PROPER FIT AND SURVEY OF ALL PROJECT ELEMENTS ARE THE RESPONSIBILITY OF THE
- 16. CONTRACTOR TO USE ONLY CLEAN FILL IN TRENCHES WHENEVER LARGE DEBRIS IS REMOVED.

FIBER OPTIC MARKER

TEL/TV PEDESTAL

17. CONTRACTOR TO FIELD VERIFY LOCATIONS OF ALL WELLS AND SCEPTICS PRIOR TO CONSTRUCTION OF MAIN LINES AND LATERALS. MAINTAIN SEPARATION FROM ALL WELLS AS NEEDED. IF PROBLEM OCCURS NOTIFY ENGINEER PRIOR TO CONSTRUCTION.

DRAWING SET

EXOHT EXOHT	EXISTING OVERHEAD TELEPHONE LINE
——————————————————————————————————————	EXISTING GAS LINE AND VALVE
EXW EXW	EXISTING WATER LINE AND VALVE
EXF/O EXF/O	EXISTING FIBER OPTIC LINE
EXOHE EXOHE	EXISTING OVERHEAD ELECTRIC LINE
———— EXBE ————	EXISTING BURIED ELECTRIC
	EXISTING NON-POTABLE WATER LINE
—— POT ——— POT ——	EXISTING POTABLE WATER LINE
EXBT	EXISTING BURIED TELEPHONE LINE
— x — x — x —	EXISTING FENCE
APP. R/W	APPARENT RIGHT-OF-WAY
APP. P/L	APPARENT PROPERTY LINE
<u> </u>	EDGE OF ROAD
	EDGE OF ROAD WITH CURB
— — — 785 — — —	EXISTING MAJOR CONTOUR LINE
	EXISTING MINOR CONTOUR LINE
— w — — w —	NEW WATER LINE
785	PROPOSED MAJOR CONTOUR LINE
	PROPOSED MINOR CONTOUR LINE
	PROPOSED MINOR CONTOUR LINE

E	GE	END		
0	1	AC UNIT	\bigcirc	TELEPHONE MANHOLE
0)	BOLLARD	\Diamond	TELEPHONE LINE MARKER
\subset)	BOULDER / LARGE ROCK	(TR)	TRAFFIC MANHOLE
\boxtimes	lCL	CENTER LINE MONUMENT		WATER LINE MARKER
\boxtimes	RW	ROW MONUMENT		WATER METER
•)	CONTROL POINT / BENCH MARK	₩v	VALVE
•)	DRILL HOLE	×	IRRIGATION CONTROL VALVE
ME	3	MAIL BOX	Q	FIRE HYDRANT
D	,	FLAG POLE	F	FLUSH HYDRANT
0)	POST	\varnothing	YARD HYDRANT
0)	STUMP	N	WALL SPIGOT
8	3	BUSH / HEDGE	_	EXISTING PIPE PLUG
£	3	DECIDUOUS TREE		STORM CATCH BASIN (SQUARE)
**		CONIFEROUS TREE		STORM CATCH BASIN (ROUND)
_	-	SIGN		STORM CURB INLET
凸	7	UTILITY LOCATE FLAG		STORM MANHOLE
©		GAS LINE MARKER	S	SANITARY MANHOLE
G∨ 	1	GAS VALVE	sv X	SANITARY VALVE
©)	GAS METER	•	CLEANOUT
-(1))	GUY POLE	X	VENT
Ø	S	POWER POLE	×	NEW VALVE
0	Н	LIGHT POLE	Ø	NEW FIRE HYDRANT
\leftarrow		GUY WIRE	F	NEW FLUSH HYDRANT
EN	1	ELECTRIC METER		NEW WET SADDLE AND VALVE BODY
		ELECTRIC PANEL		NEW PLUG
ET]	ELECTRIC TRANSFORMER	LS	NEW LINE STOP
)	HAND HOLE BOX		NEW CUT AND CAP
_				

⋈ NEW SANITARY MH

No. 11800145 STATE OF

5/5/2025 Date

Signature

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5/5/2025 | W22136 | AS SHOWN GENERAL ABBREVIATIONS. SYMBOLS, LEGENDS

Drawing No:

AND NOTES

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UTILITY CONTACT INFORMATION

WATER: CITY OF RENSSELAER CONTACT PERSON: BRYCE BLACK PHONE: (219) 866-5530

CITY OF RENSSELAER (SEWER)

PHONE: (219) 866-5530

JASPER COUNTY REMC

PHONE: (219) 866-4601

CONTACT PERSON: BRYCE BLACK

CONTACT PERSON: CRAIG SMART

CITY OF RENSSELAER CONTACT PERSON: BRYCE BLACK PHONE: (219) 866-5530

TELEPHONE: <u>CENTURYLIN</u>K

CONTACT PERSON: JOHN UNVERFERTH PHONE: (419) 266-6342

CONTACT PERSON: DON SCHOENBECK PHONE: (219) 996-0216

FIBER OPTIC:

MCI (VERIZON) CONTACT PERSON: DEAN BOYERS PHONE: (469) 886-4238

CONTACT PERSON: PHIL BROWN

FIBER OPTIC: **ZAYO BANDWIDTH**

FIBER OPTIC:

CONTACT PERSON: WAYLON HIGGINS PHONE: (765) 341-1199

PHONE: (517) 999-3213

EXISTING UTILITY NOTES

- 1. THE EXITING UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. LOCATION OF 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 UTILITIES (1-800-382-5544).
- SIZE, MATERIAL, DEPTH AND LOCATION OF KNOWN EXISTING SEWER AND WATER FACILITIES IS FROM AVAILABLE HISTORIC INFORMATION AND ABOVE-GROUND INSPECTION AND MEASUREMENT. THE CONTRACTOR SHALL VERIFY ALL UTILITY 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 CONTRACT DOCUMENTS.
- THE LOCATION OF UTILITIES AND STRUCTURES, BOTH SURFACE AND SUBSURFACE, ARE SHOWN ON THE PLANS FROM "INDIANA ONLINE" GIS SHAPE FILES AND ARE NOT NECESSARILY COMPLETE OR CORRECT. DETERMINING THE EXACT LOCATION AND PROTECTING UTILITIES AND STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES WHETHER SHOWN ONT HE PLANS OR NOT. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RESTORATION OF THE SAME IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY OWNER FOR ANY RUSTLING 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. 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 FOR WATER, SANITARY SEWER, GAS, ELECTRIC, TELEPHONE, AND CABLE TV. THE CONTRACTOR SHALL LOCATE, PROTECT, AND IF DAMAGED BY CONTRACTOR, REPAIR ALL UTILITY SERVICE LINES ENCOUNTERED.
- 6. 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.
- 7. 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 CONSTRUCTION.





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DRAWING SHEET INDEX

<u>LEGEND</u>

GENERAL NOTES:

LEAD SERVICE REPLACEMENT LOCATIONS

DRAWING NUMBERS REFERS TO PLAN VIEW DRAWINGS.

G4 Sheet: 04 OF 24

Drawing No:



DETAILED SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO INLET PROTECTION, TEMPORARY SEEDING, ETC. AS REQUIRED DURING THE DURATION OF THE PROJECT TO MAINTAIN COMPLIANCE

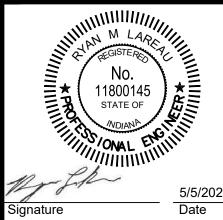
WITH THE GENERAL STORM WATER CONSTRUCTION PERMIT. CONTRACTOR SHALL ADHERE TO

ALL REQUIREMENTS OF THE GENERAL STORM WATER CONSTRUCTION PERMIT, INCLUDING

PROVIDING REQUIRED NOTIFICATIONS TO THE REQUIRED AGENCIES.

2. SEE DRAWINGS MD3 AND MD4 FOR EROSION CONTROL DETAILS.

- 1. CONTRACTOR TO AVOID AND PROTECT ANY EXISTING STORM MANHOLES, SEWER, OR CULVERTS. IF DISTURBED OR DAMAGED, CONTRACTOR TO REPLACE TO A CONDITION EQUAL TO OR BETTER THAN EXISTING.
- 2. SANITARY LATERAL LOCATIONS ARE UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF EXISTING SANITARY LATERALS PRIOR TO INSTALLATION OF NEW WATER SERVICES.
- 3. SANITARY SEWER DEPTH SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION OF NEW WATER SERVICES.
- 4. CONTRACTOR SHALL RELOCATE EXISTING CUSTOMER METER TO NEW METER PIT. PAYMENT FOR THIS ITEM SHALL BE INCLUDED IN THE COST OF THE NEW METER PIT.



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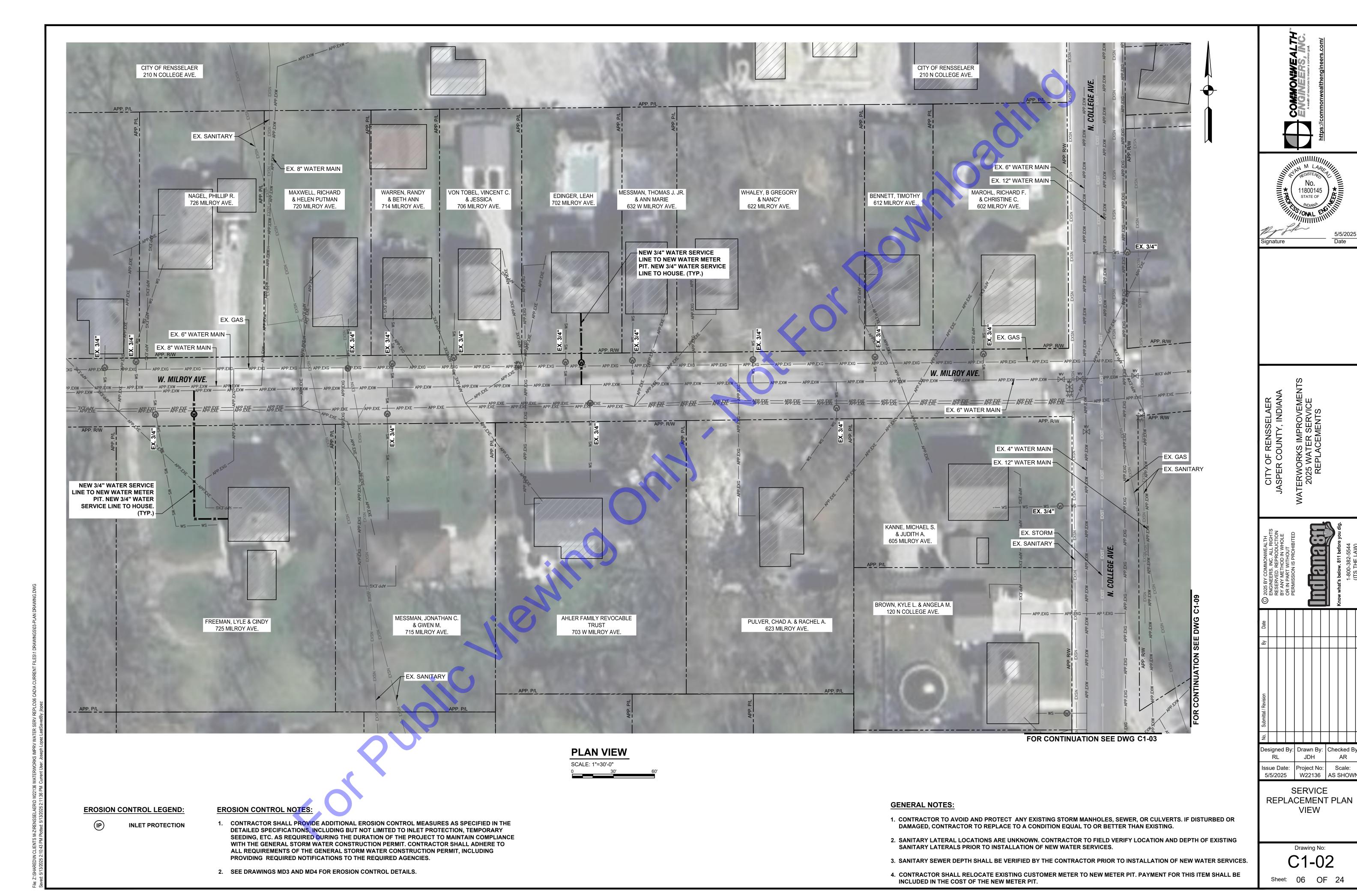
SERVICE REPLACEMENT PLAN VIEW

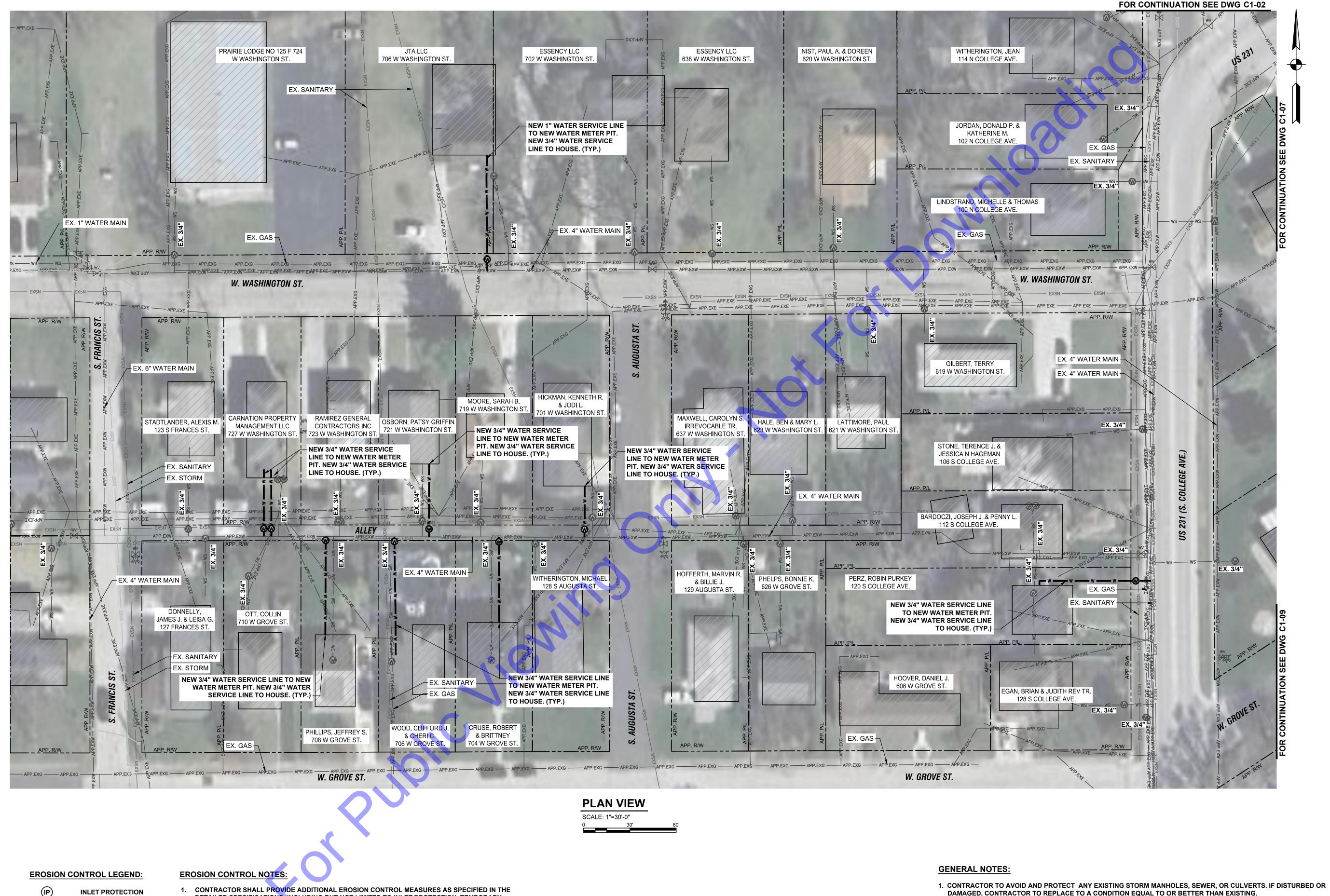
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DETAILED SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO INLET PROTECTION, TEMPORARY SEEDING, ETC. AS REQUIRED DURING THE DURATION OF THE PROJECT TO MAINTAIN COMPLIANCE WITH THE GENERAL STORM WATER CONSTRUCTION PERMIT. CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE GENERAL STORM WATER CONSTRUCTION PERMIT, INCLUDING PROVIDING REQUIRED NOTIFICATIONS TO THE REQUIRED AGENCIES.

2. SEE DRAWINGS MD3 AND MD4 FOR EROSION CONTROL DETAILS.

- DAMAGED, CONTRACTOR TO REPLACE TO A CONDITION EQUAL TO OR BETTER THAN EXISTING.
- 2. SANITARY LATERAL LOCATIONS ARE UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF EXISTING SANITARY LATERALS PRIOR TO INSTALLATION OF NEW WATER SERVICES.
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SERVICE REPLACEMENT PLAN VIEW

W22136 AS SHOWN

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WITH THE GENERAL STORM WATER CONSTRUCTION PERMIT. CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE GENERAL STORM WATER CONSTRUCTION PERMIT, INCLUDING PROVIDING REQUIRED NOTIFICATIONS TO THE REQUIRED AGENCIES.

2. SEE DRAWINGS MD3 AND MD4 FOR EROSION CONTROL DETAILS.

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ssue Date: Project No: Scale: 5/5/2025 | W22136 | AS SHOWN SERVICE REPLACEMENT PLAN

VIEW

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W22136 AS SHOWN

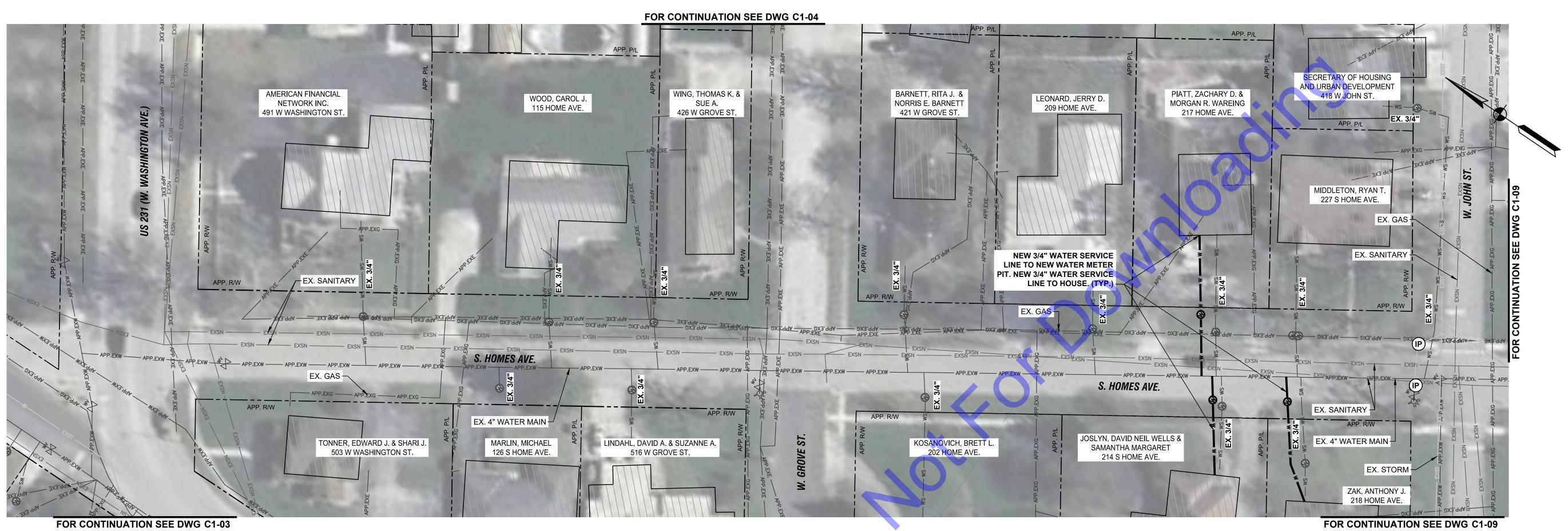
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PLAN VIEW

SCALE: 1"=30'-0"

EROSION CONTROL LEGEND:

INLET PROTECTION

EROSION CONTROL NOTES:

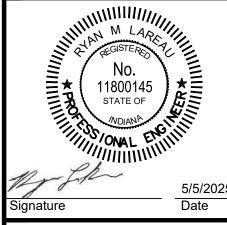
1. CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS SPECIFIED IN THE DETAILED SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO INLET PROTECTION, TEMPORARY SEEDING, ETC. AS REQUIRED DURING THE DURATION OF THE PROJECT TO MAINTAIN COMPLIANCE WITH THE GENERAL STORM WATER CONSTRUCTION PERMIT. CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE GENERAL STORM WATER CONSTRUCTION PERMIT, INCLUDING PROVIDING REQUIRED NOTIFICATIONS TO THE REQUIRED AGENCIES.

2. SEE DRAWINGS MD3 AND MD4 FOR EROSION CONTROL DETAILS.

GENERAL NOTES:

- 1. CONTRACTOR TO AVOID AND PROTECT ANY EXISTING STORM MANHOLES, SEWER, OR CULVERTS. IF DISTURBED OR DAMAGED, CONTRACTOR TO REPLACE TO A CONDITION EQUAL TO OR BETTER THAN EXISTING.
- 2. SANITARY LATERAL LOCATIONS ARE UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF EXISTING SANITARY LATERALS PRIOR TO INSTALLATION OF NEW WATER SERVICES.
- 3. SANITARY SEWER DEPTH SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION OF NEW WATER SERVICES.
- 4. CONTRACTOR SHALL RELOCATE EXISTING CUSTOMER METER TO NEW METER PIT. PAYMENT FOR THIS ITEM SHALL BE INCLUDED IN THE COST OF THE NEW METER PIT.

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JASPER COUNTY, INDIANA
WATERWORKS IMPROVEMENTS
2025 WATER SERVICE
REPLACEMENTS

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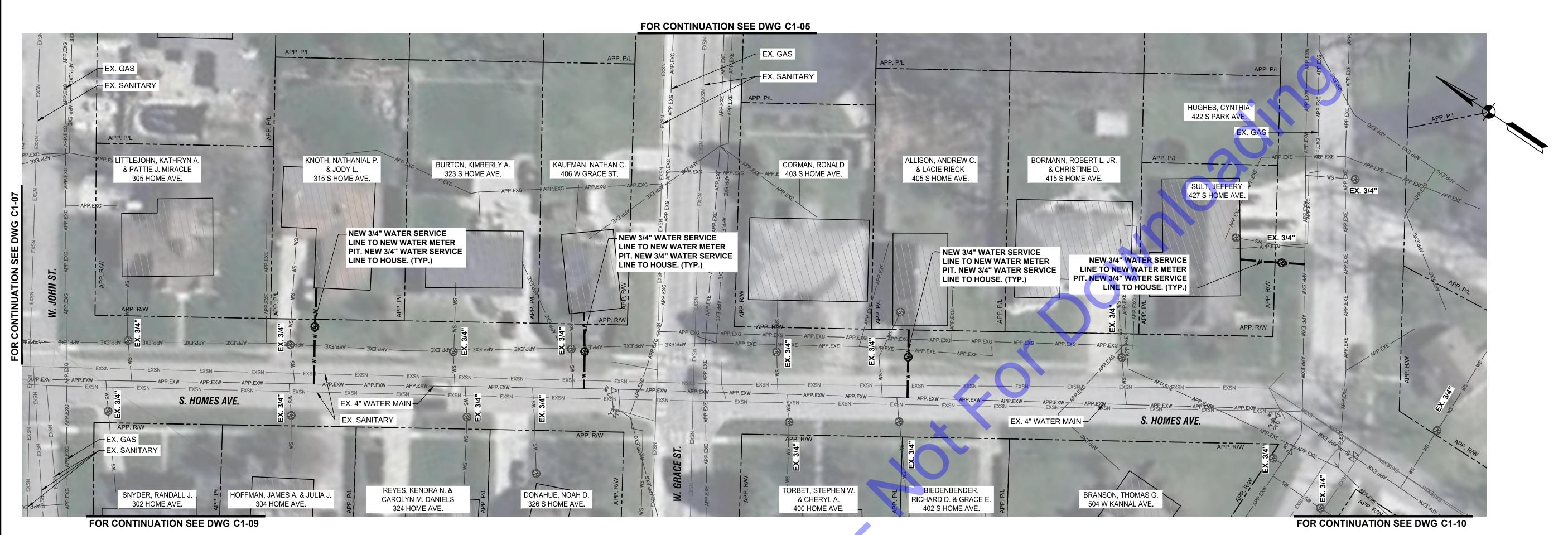
SERVICE REPLACEMENT PLAN

Designed By:| Drawn By: | Checked By

ssue Date: Project No: Scale: 5/5/2025 W22136 AS SHOWN

Drawing No:

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PLAN VIEW

SCALE: 1"=30'-0"

EROSION CONTROL LEGEND:

INLET PROTECTION

EROSION CONTROL NOTES:

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Date

Date

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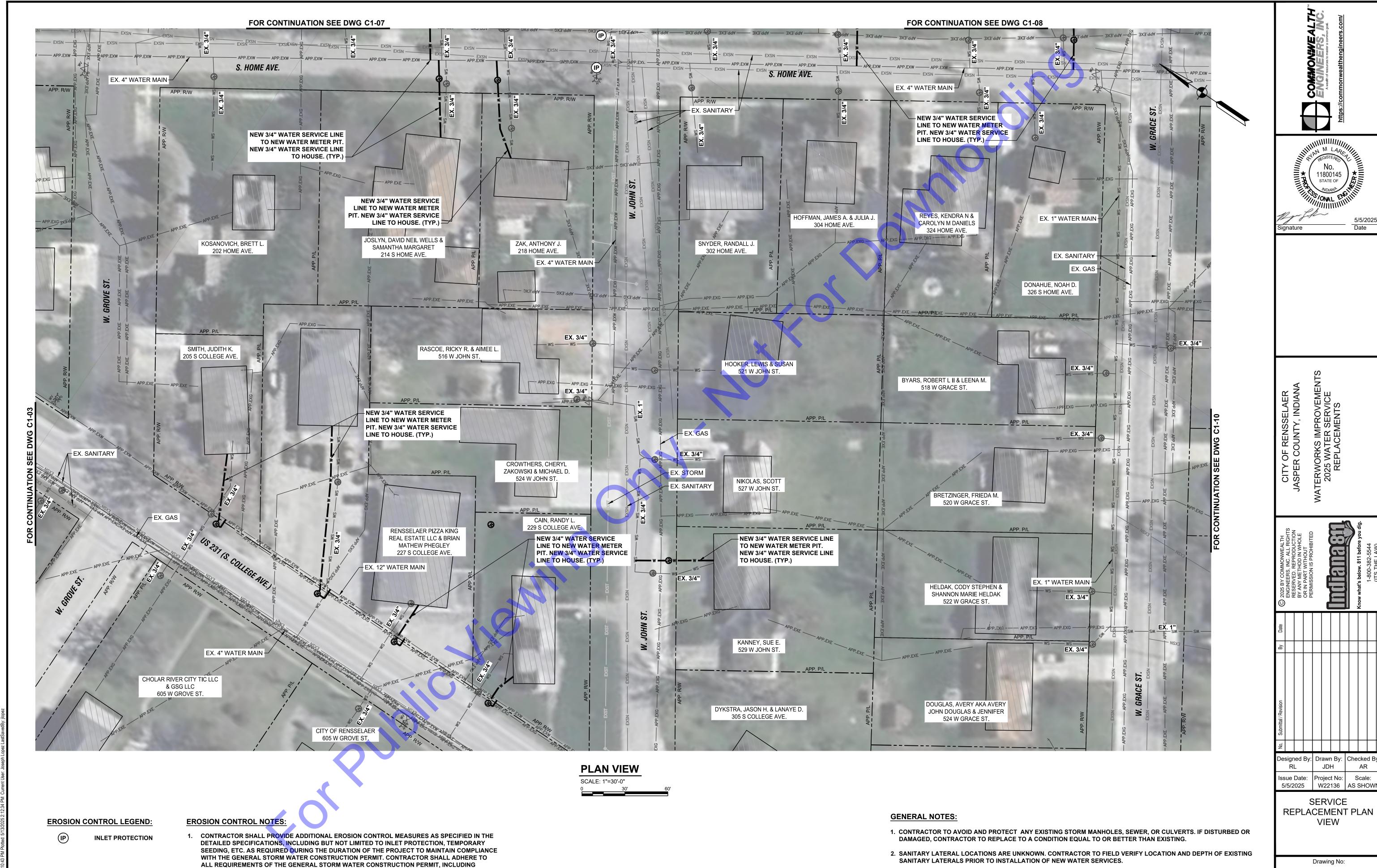
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SERVICE REPLACEMENT PLAN

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Drawing No:

Sheet: 12 OF 24



Date

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SERVICE

VIEW

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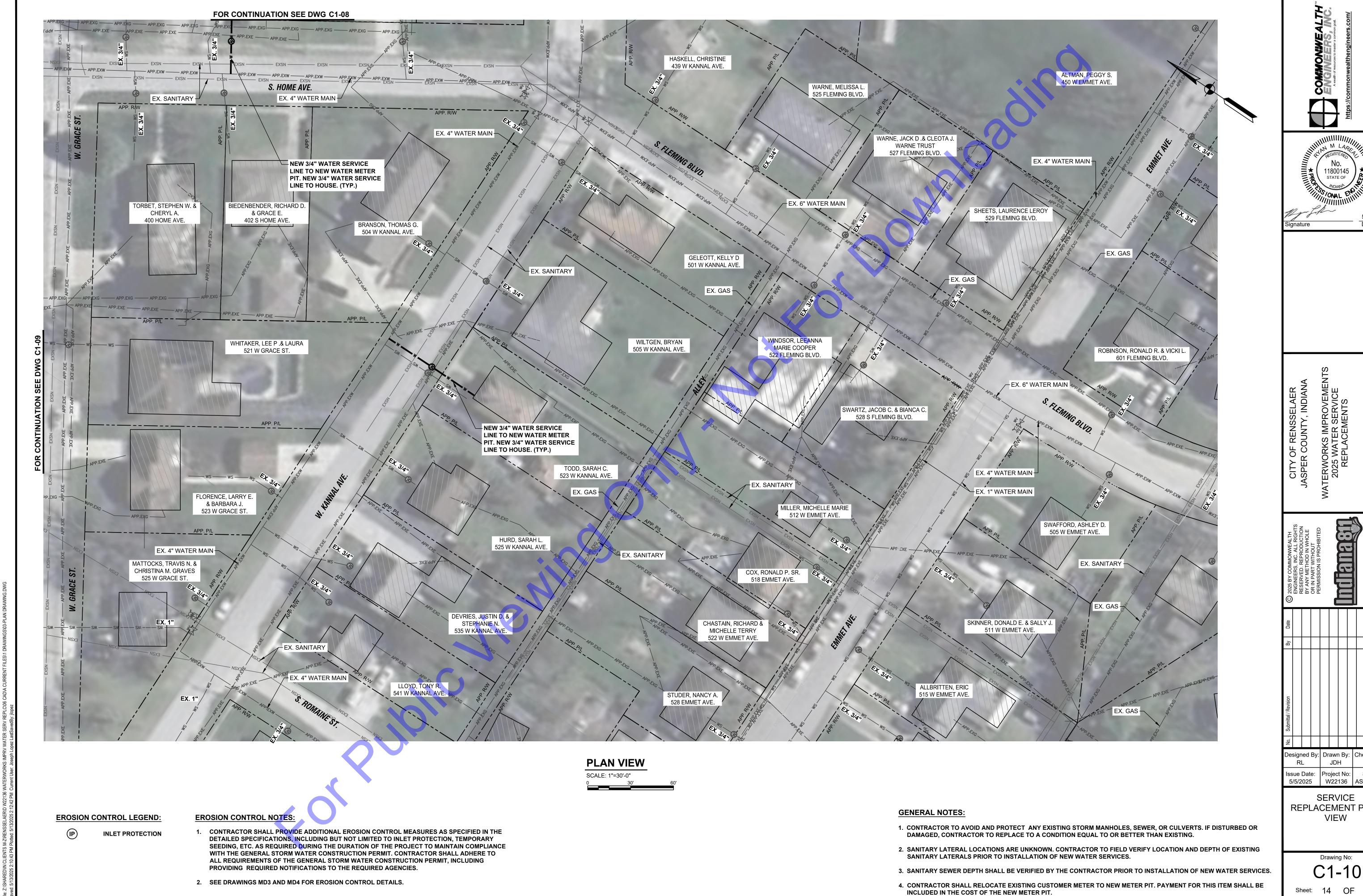
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PROVIDING REQUIRED NOTIFICATIONS TO THE REQUIRED AGENCIES.

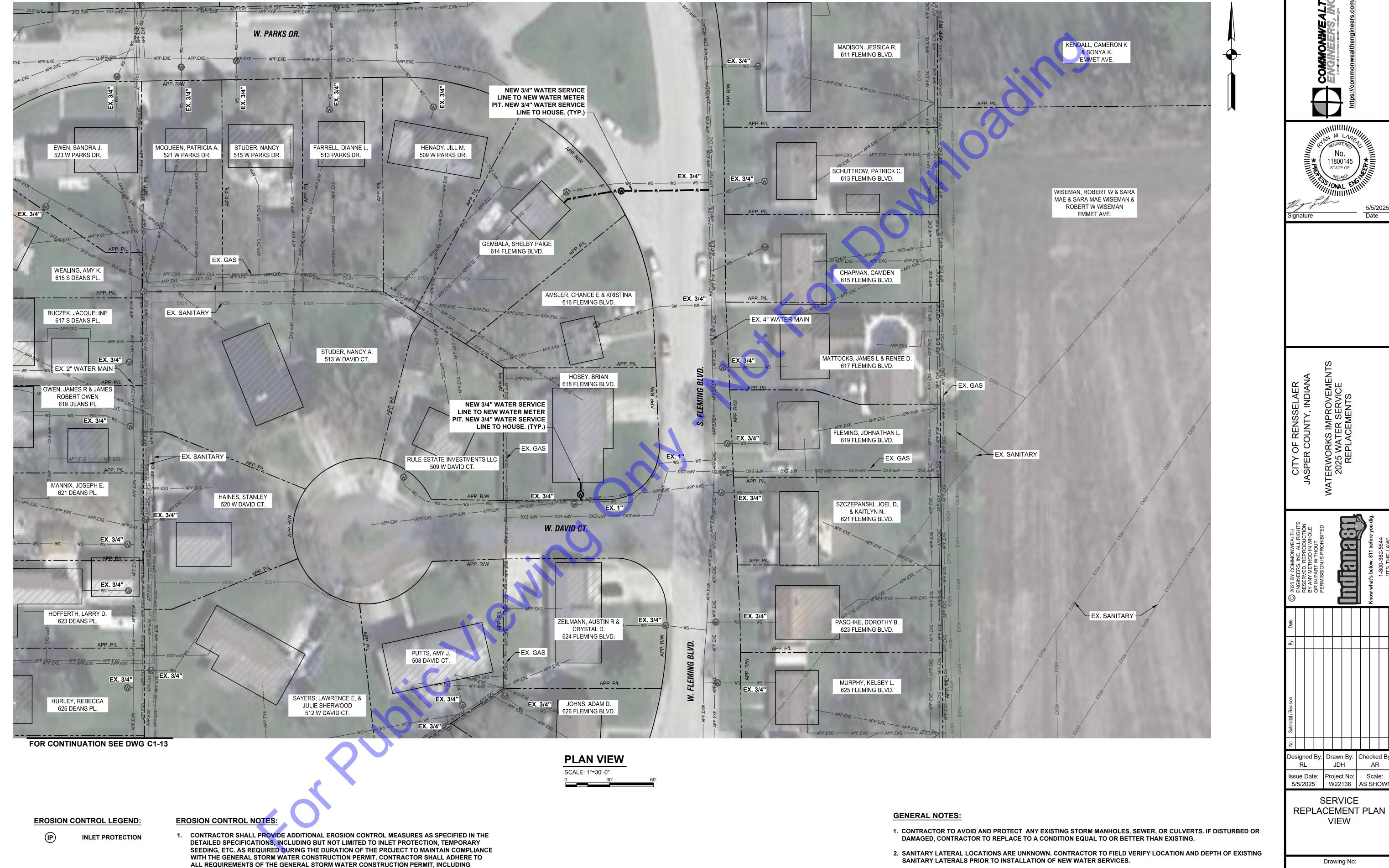
2. SEE DRAWINGS MD3 AND MD4 FOR EROSION CONTROL DETAILS.



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REPLACEMENT PLAN

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PROVIDING REQUIRED NOTIFICATIONS TO THE REQUIRED AGENCIES.

2. SEE DRAWINGS MD3 AND MD4 FOR EROSION CONTROL DETAILS.

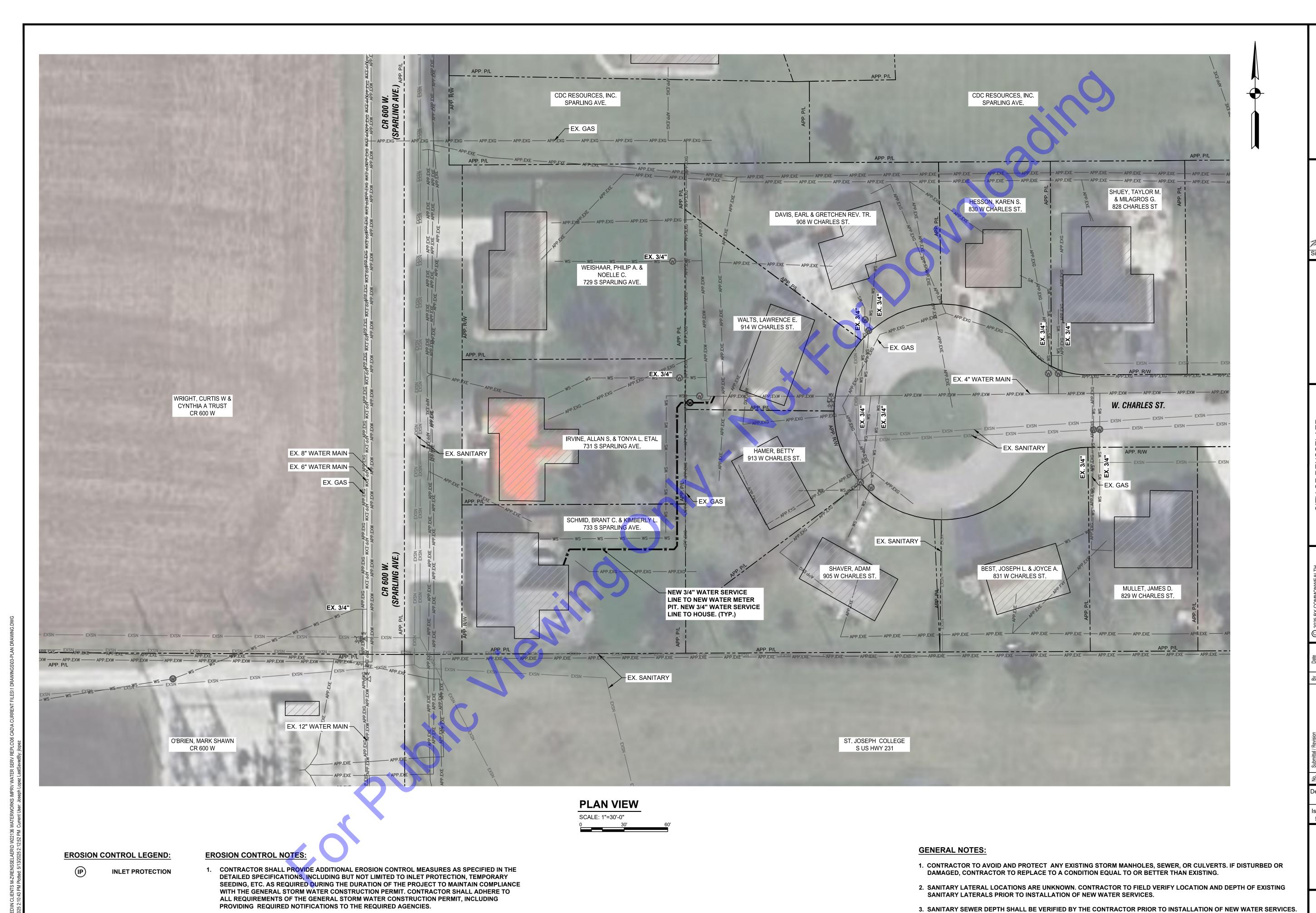
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SERVICE REPLACEMENT PLAN VIEW

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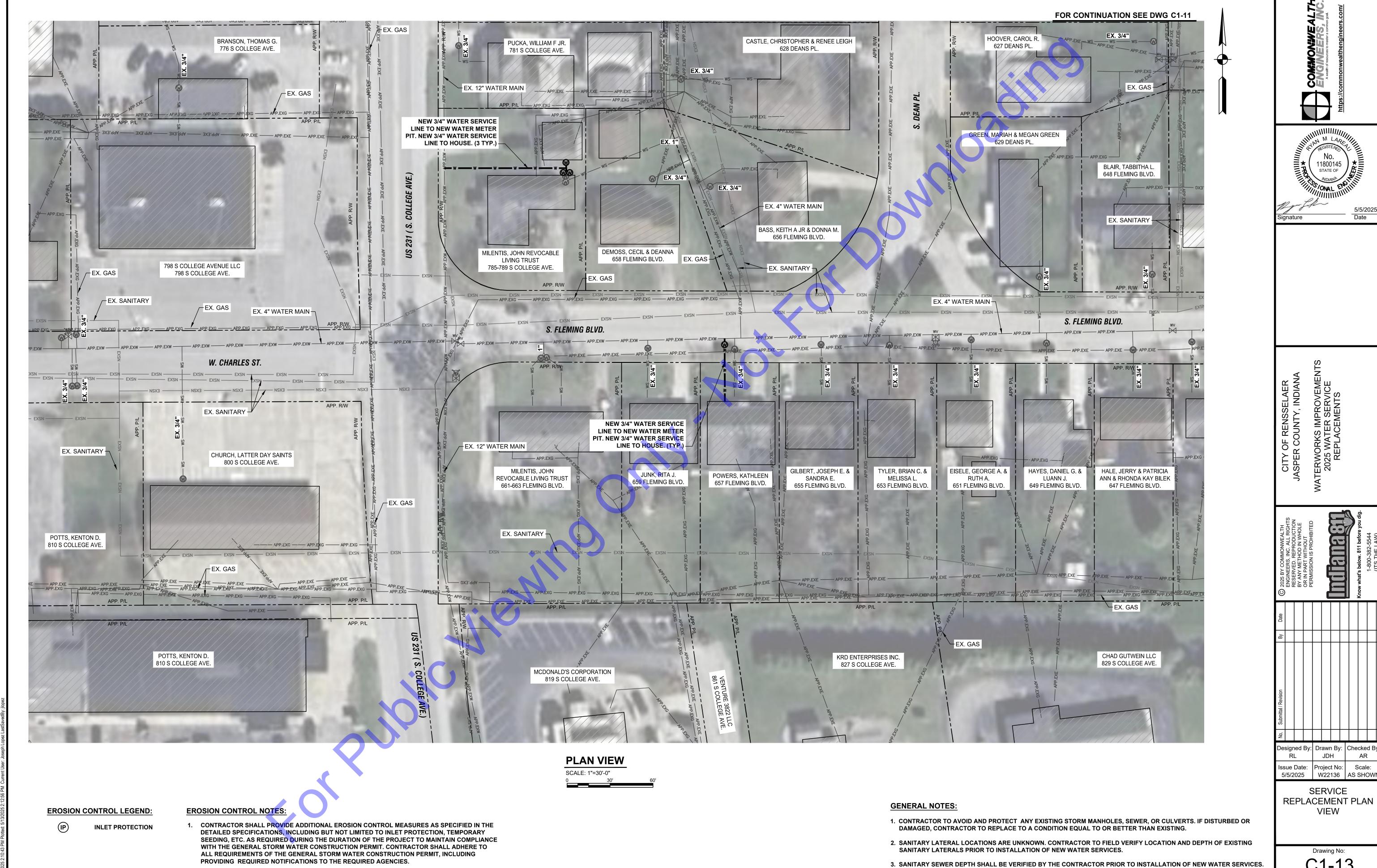


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SERVICE REPLACEMENT PLAN VIEW

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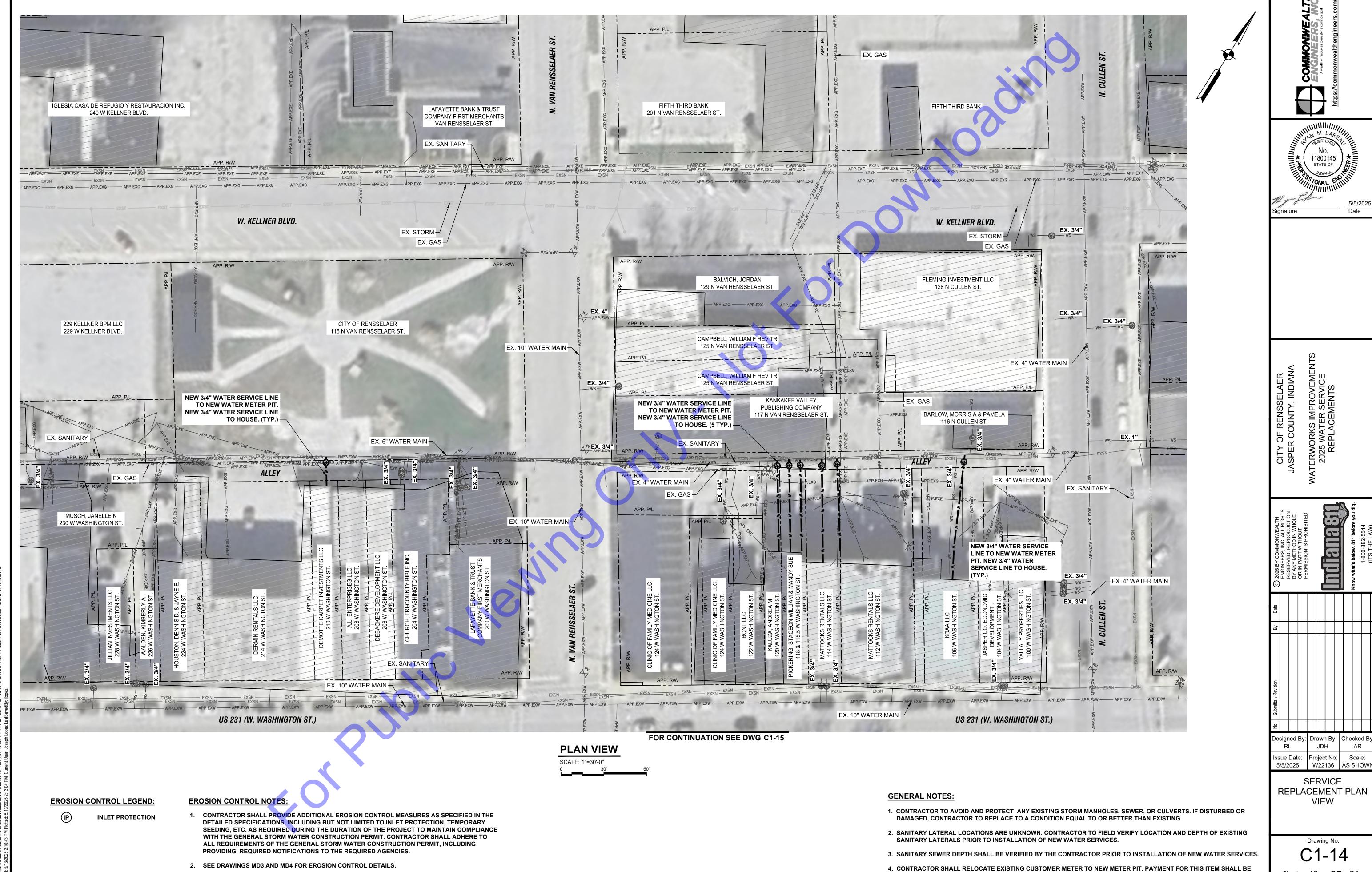
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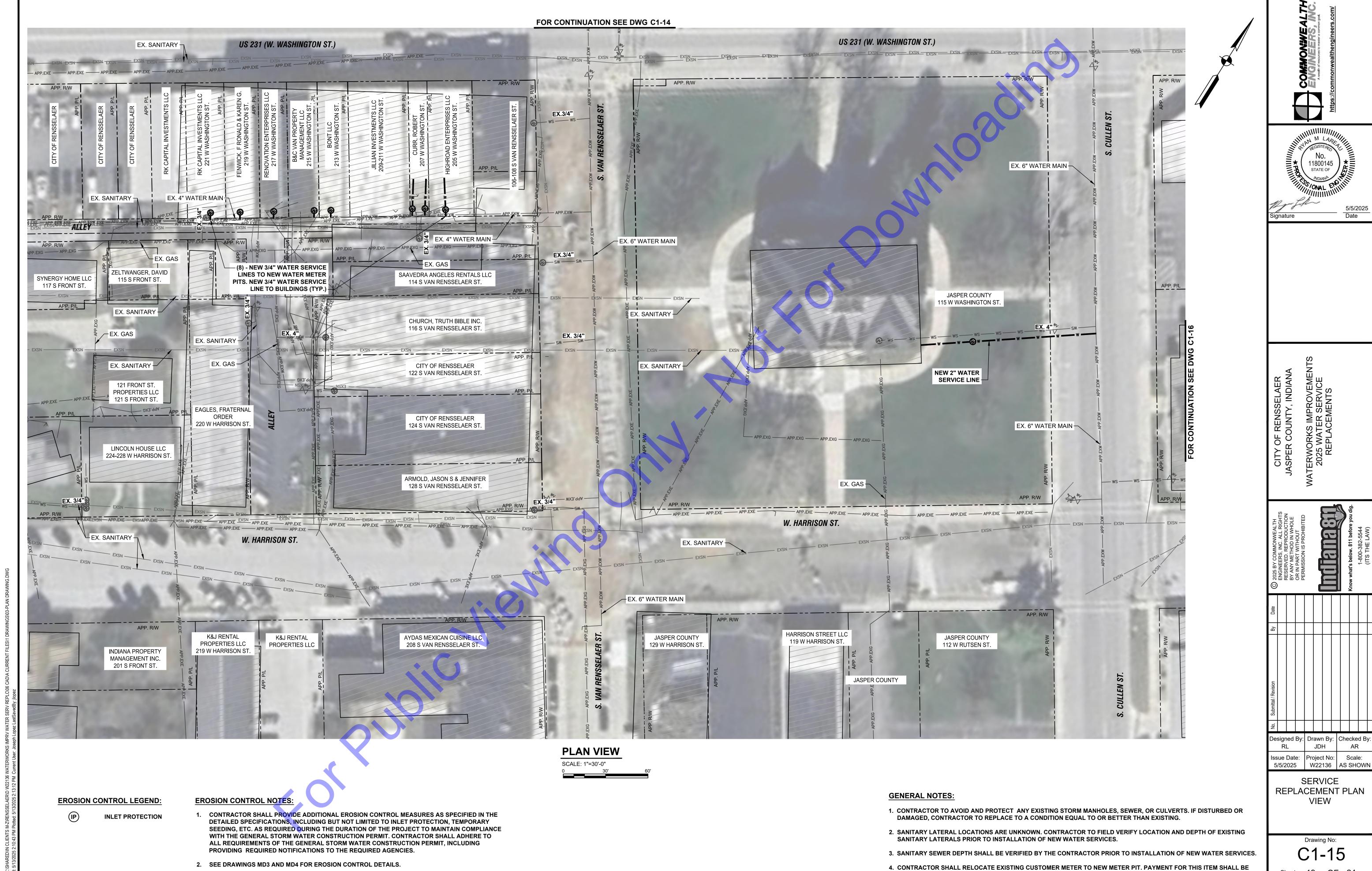
4. CONTRACTOR SHALL RELOCATE EXISTING CUSTOMER METER TO NEW METER PIT. PAYMENT FOR THIS ITEM SHALL BE



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INCLUDED IN THE COST OF THE NEW METER PIT.

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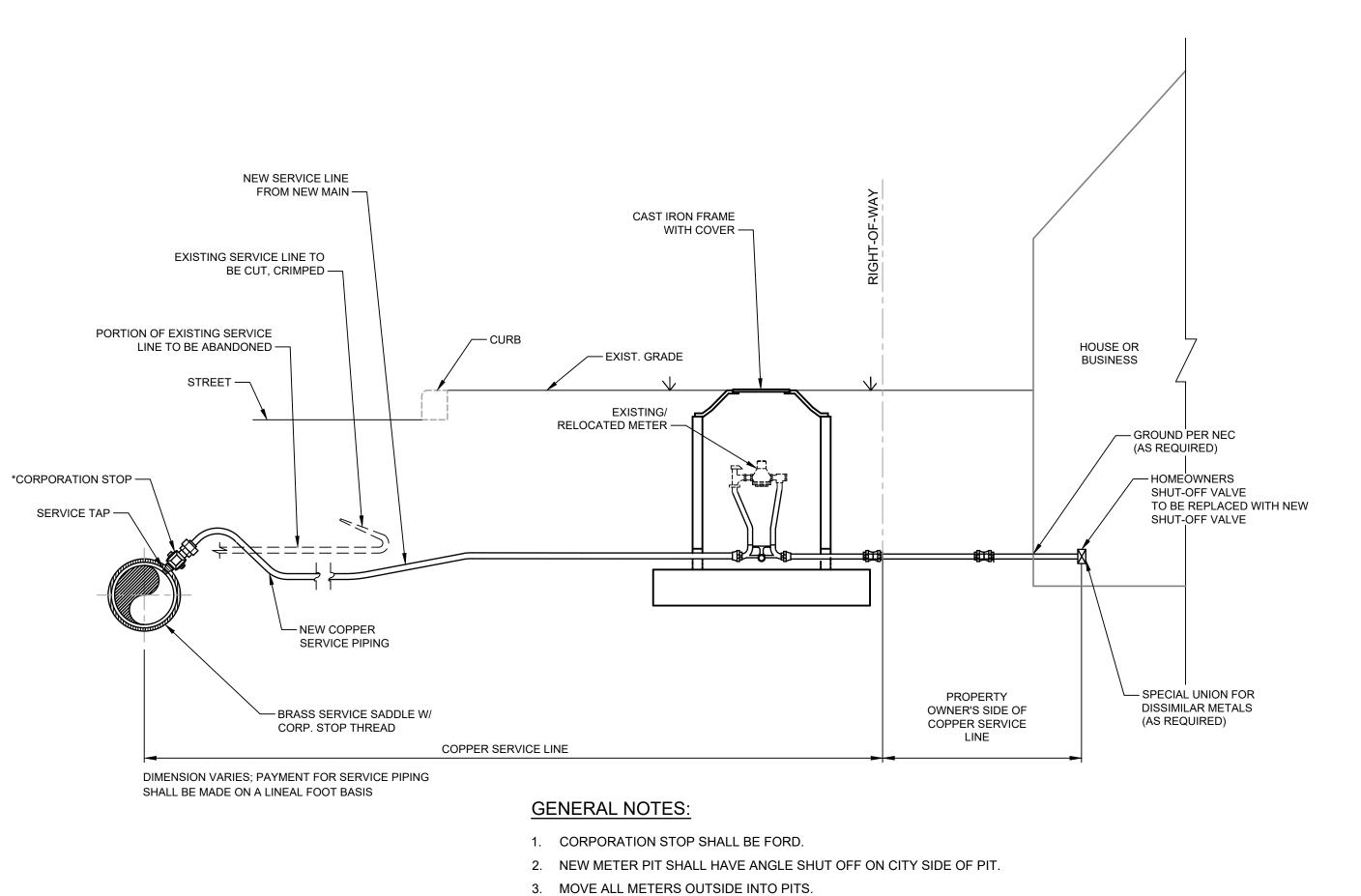


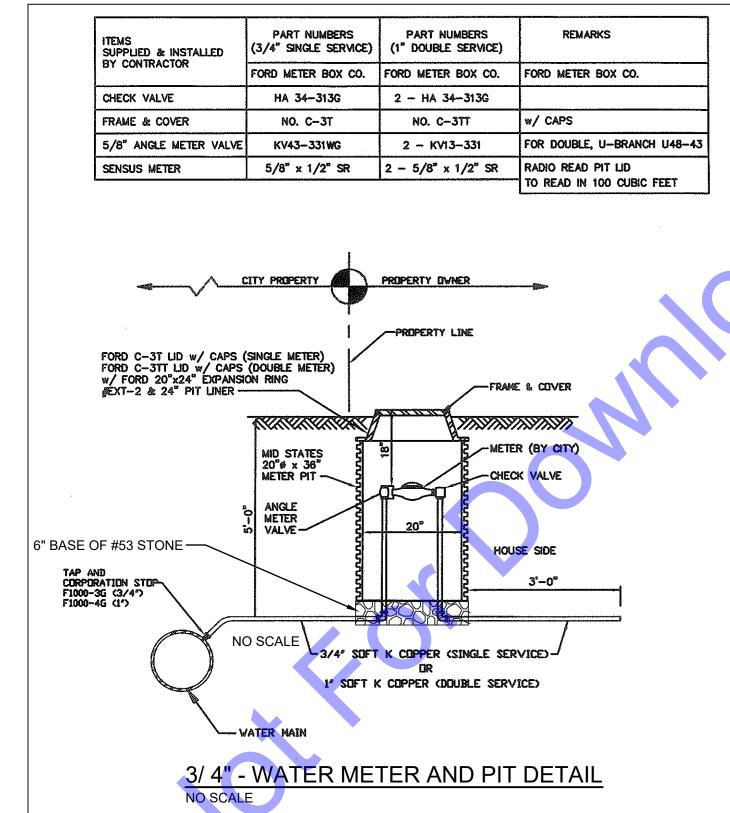
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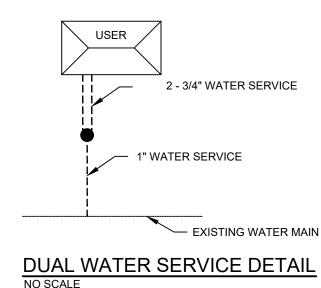
INCLUDED IN THE COST OF THE NEW METER PIT.

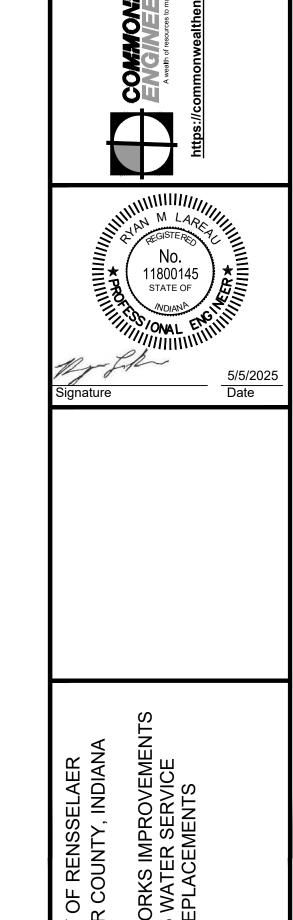
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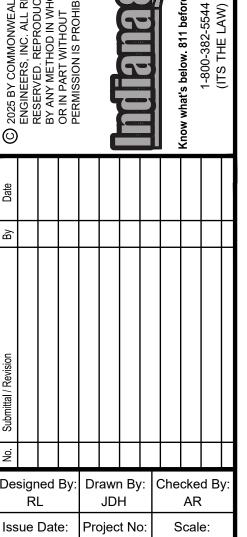
2. SEE DRAWINGS MD3 AND MD4 FOR EROSION CONTROL DETAILS.









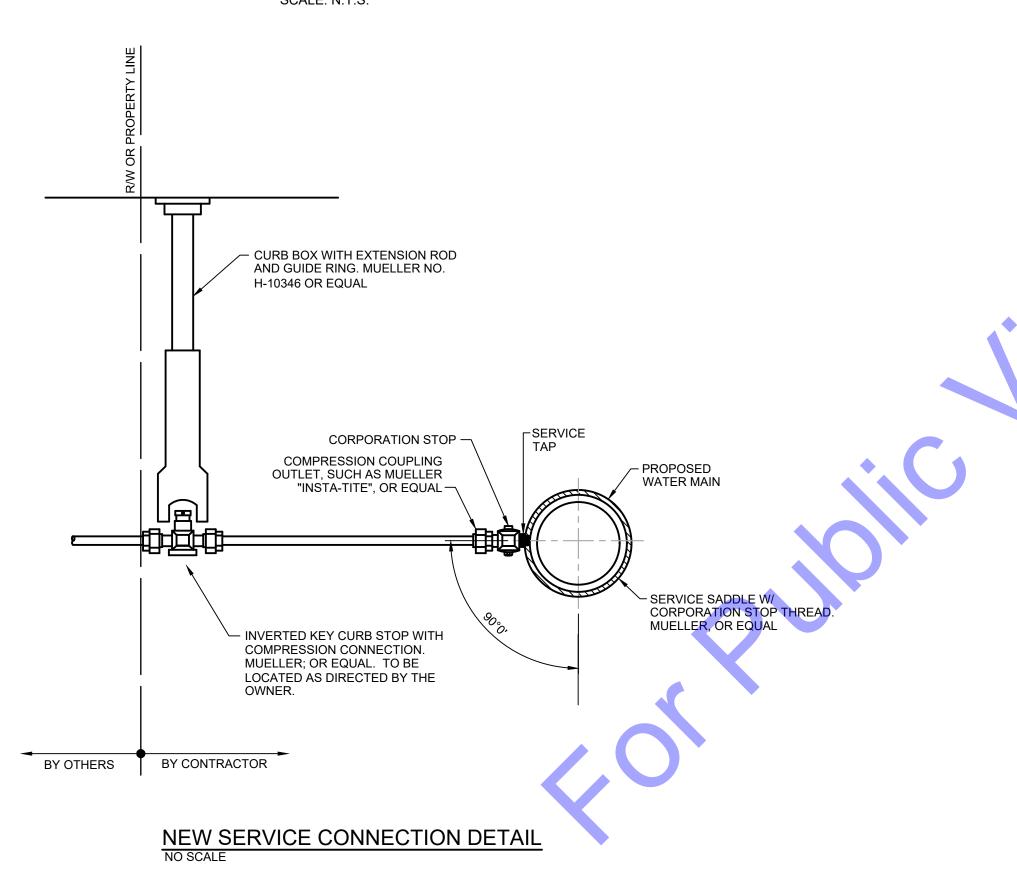


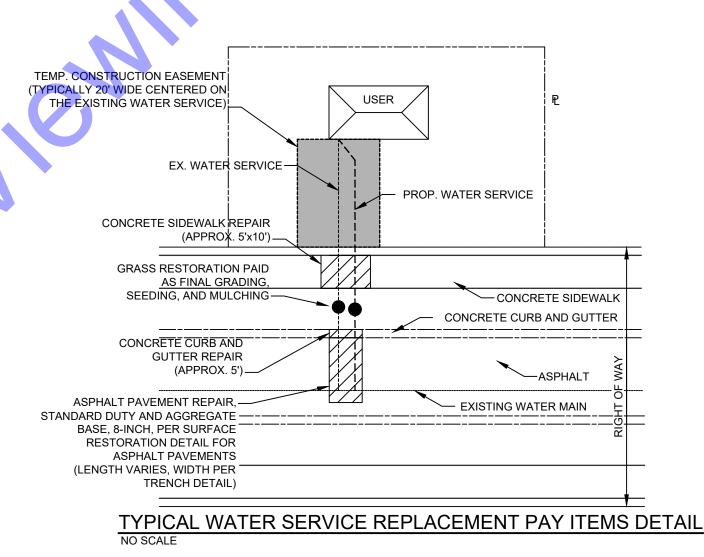
5/5/2025 | W22136 | AS SHOWN **MISCELLANEOUS** DETAILS

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TYPICAL SERVICE TAP, SERVICE LINE AND METER SETTER RECONNECTION DETAIL SCALE: N.T.S.

4. ALL ABANDONED CORP. STOPS SHALL BE PLUGGED.





PAYMENT FOR RESTORATION ITEMS OUTSIDE OF THE RIGHT OF WAY TO BE INCLUDED IN THE COST OF THE WATER SERVICE AS DETAILED IN THE

SURFACES, GRASS AREAS, LANDSCAPING, ETC.

SPECIFICATIONS. THIS INCLUDES RESTORATION FOR ALL ITEMS INCLUDING HARD

<u>NOTES</u>

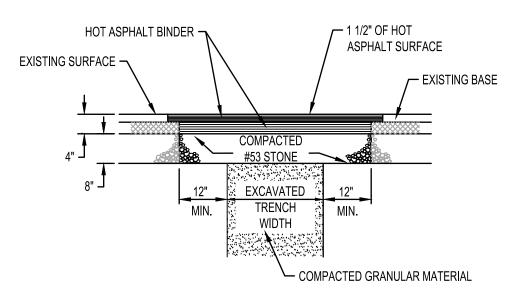
SURFACE RESTORATION DETAIL FOR CONCRETE PAVEMENT - DRIVE NO SCALE

- TOOLED JOINT (TYP.) CORNER JOINTING 6'-0" MAX. PLAN 4'-0" FIN. GRADE 6 x 8 - W4.0 WIRE FABRIC -COMPACTED AGGREGATE #53 SECTION "A-A"

GENERAL NOTES:

- TRANSVERSE JOINTS SHALL BE CUT WITH A JOINTER HAVING A RADIUS OF 1/4" AT SPACING AT A MINIMUM OF 6'-0"
- SIDEWALK SHALL BE 6" THICK WITH 8" OF COMPACTED AGGREGATE No. 53 AT ALL DRIVEWAY CROSSINGS
- 3. SIDE SLOPE SHALL BE 1/4" / FT

CONCRETE SIDEWALK DETAIL



SURFACE RESTORATION DETAIL FOR ASPHALT PAVEMENT- ROAD NO SCALE

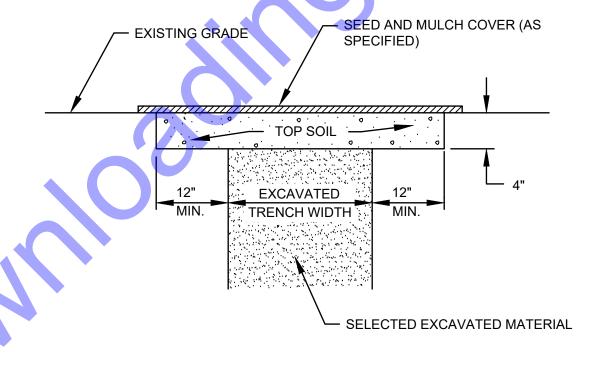
TYPICAL CONCRETE DEPRESSED

CURB AND GUTTER DETAIL

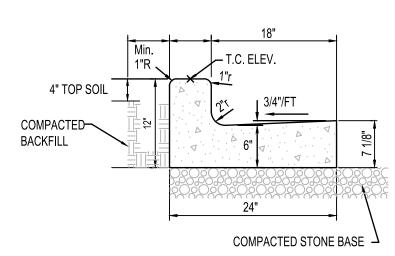
SCALE: N.T.S.

— COMPACTED STONE BASE

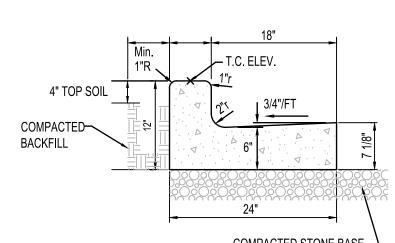
COMPACTED BACKFILL



SURFACE RESTORATION DETAIL FOR GRASS AREAS NO SCALE



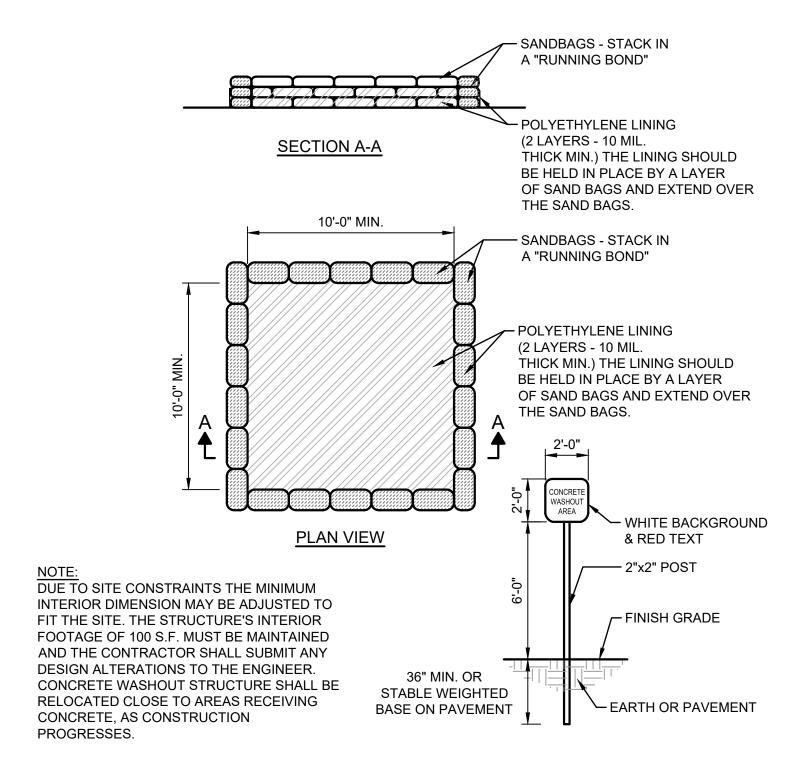
AND GUTTER DETAIL



TYPICAL CONCRETE CURB NO SCALE

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5/5/2025 Date

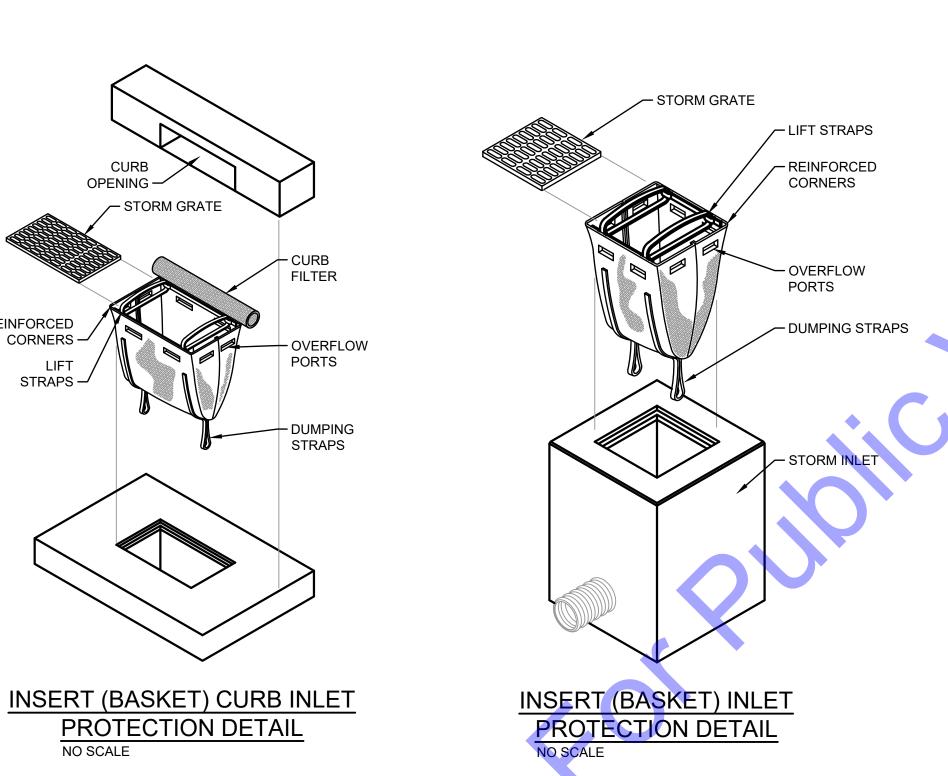


CONCRETE WASHOUT PIT DETAIL

REINFORCED

CORNERS -

STRAPS

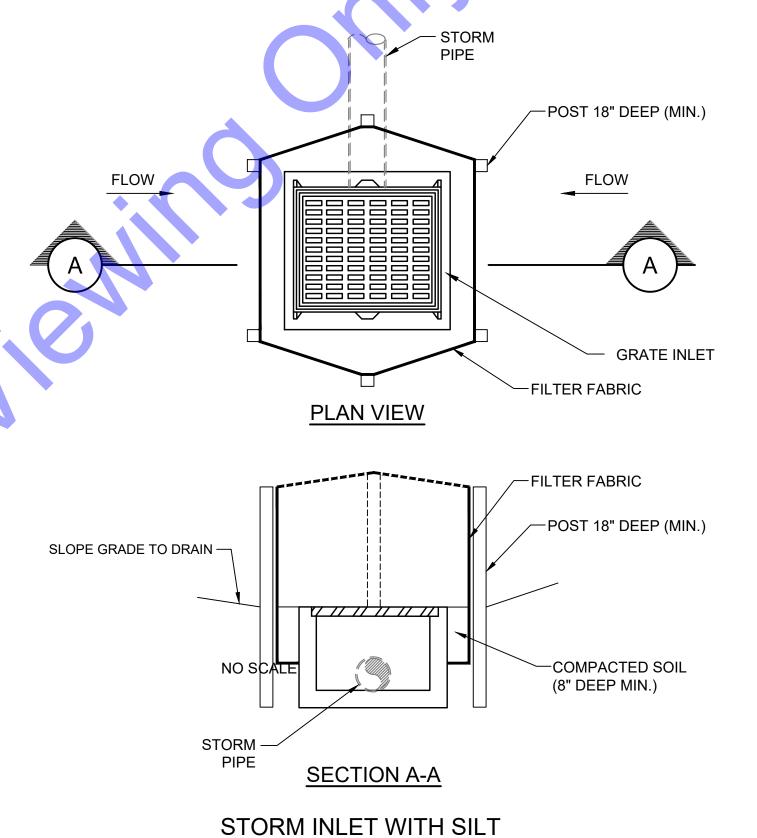


150' MIN. **PLAN VIEW** 8" HIGH DIVERSION RIDGE IF PAD SLOPES TOWARDS ROAD 3"± INDOT NO. 5 (50' ADJACENT TO ROAD) GEOTEXTILE OVER 8" (MIN.) INDOT NO. 2 -FILTER FABRIC (MIRAFI 140NL OR APPROVED EQUAL) -SECTION VIEW

MAINTENANCE:

- 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
- 5. REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.

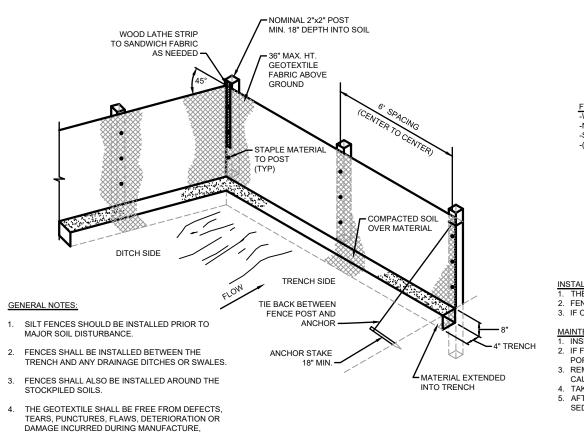
STABILIZED CONSTRUCTION **ENTRANCE DETAIL** NO SCALE

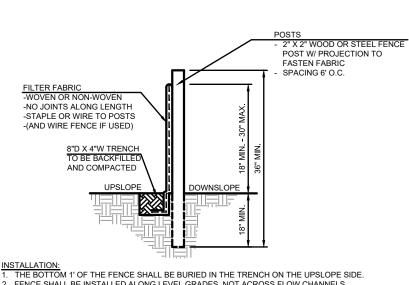


FENCE EROSION DETAIL

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 AND LOCAL EROSION AND SEDIMENT CONTROL ORDINANCE, OR SWCD.
- 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.
- 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.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED, CLEANED, AND MAINTAINED FOLLOWING EACH STORM EVENT.
- 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 OWNER'S REPRESENTATIVES AND THE OPERATING AUTHORITIES HAVING JURISDICTION OVER THE SITE.





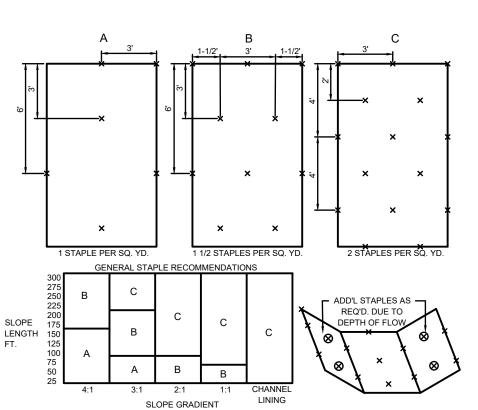
2. FENCE SHALL BE INSTALLED ALONG LEVEL GRADES, NOT ACROSS FLOW CHANNELS.
3. IF OPTIONAL SUPPORT WIRE FENCE IS USED, POST SPACING MAY BE EXTENDED TO 8' O.C. MAINTENANCE:

1. INSPECT SILT FENCE PERIODICALLY (WEEKLY) AND AFTER EACH STORM EVENT

IF FABRIC IS TORN OR DAMAGED OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY. 3. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE, OR IT IS

4. TAKE CARE NOT TO UNDERMINE THE FENCE DURING SEDIMENT REMOVAL AFTER THE CONTRIBUTING AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND REMAINING SEDIMENT, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

SILT FENCE DETAIL NOT TO SCALE



EROSION CONTROL BLANKET

TRANSPORTATION, STORAGE, OR INSTALLATION.

5. TIE BACKS SHALL BE PLACED AS REQUIRED.

THE FUNCTIONAL LIFE OF AN EROSION CONTROL BLANKET IS DEPENDENT ON THE MATERIALS USED.

 STAPLES, PINS OR STAKES USED TO PREVENT MOVEMENT OR DISPLACEMENT OF BLANKET. (FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS.)

 ORGANIC (STRAW, EXCELSIOR, WOVEN PAPER, COCONUT FIBER, ETC.) OR SYNTHETIC MULCH INCORPORATED WITH A POLYPROPYLENE, NATURAL FIBER OR SIMILAR NETTING MATERIAL.

(THE NETTING MAY BE BIODEGRADABLE, PHOTODEGRADABLE OR PERMANENT.) NOTE: SOME EROSION CONTROL BLANKET NETTINGS MAY POSE A THREAT TO CERTAIN SPECIES OF WILDLIFE

IF THEY BECOME ENTANGLED IN THE NETTING MATRIX.

6-12 INCH STAPLES, PINS, OR STAKES.

- SELECT THE TYPE AND WEIGHT OF EROSION CONTROL BLANKET TO FIT THE SITE CONDITIONS (E.G., SLOPE,
- CHANNEL, FLOW VELOCITY) PER THE MANUFACTURER'S RECOMMENDATIONS. PREPARE THE SEEDBED, ADD SOIL AMENDMENTS, AND PERMANENTLY SEED THE AREA IMMEDIATELY
- FOLLOWING SEEDBED PREPARATION 3. LAY EROSION CONTROL BLANKETS ON THE SEEDED AREA SO THAT THEY ARE IN CONTINUOUS CONTACT WITH THE SOIL WITH EACH UP-SLOPE OR UP-STREAM BLANKET OVERLAPPING THE DOWN-SLOPE OR DOWN-STREAM
- BLANKET BY AT LEAST EIGHT INCHES, OR FOLLOW MANUFACTURER'S RECOMMENDATIONS. 4. TUCK THE UPPERMOST EDGE OF THE UPPER BLANKETS INTO A CHECK SLOT (SLIT TRENCH), BACKFILL WITH SOIL AND TAMP DOWN. IN CERTAIN APPLICATIONS. THE MANUFACTURER MAY REQUIRE ADDITION CHECK SLOTS AT SPECIFIC LOCATIONS DOWN SLOPE FROM THE UPPERMOST EDGE OF THE UPPER BLANKETS.
 - ANCHOR THE BLANKETS IN PLACE BY DRIVING STAPLES, PINS, OR STAKES THROUGH THE BLANKET AND INTO THE UNDERLYING SOIL. FOLLOW AN ANCHORING PATTERN APPROPRIATE FOR THE SITE CONDITIONS AND AS RECOMMENDED BY THE MANUFACTURER.

MAINTENANCE
INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS. CHECK FOR EROSION OR DISPLACEMENT OF THE BLANKET.

IF ANY AREA SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET COVERING THE ERODED AREA,

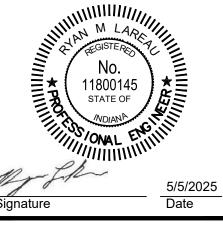
ADD SOIL AND TAMP, RESEED THE AREA, REPLACE AND STAPLE THE BLANKET.

NOTES

CHANNEL LININGS UTILIZE STAPLE PATTERN "C" WITH ADDITIONAL STAPLES ON SIDE SLOPES AT PROJECTED

STAPLE PATTERNS APPLY TO ALL NORTH AMERICAN GREEN EROSION CONTROL BLANKETS. STAPLE PATTERNS MAY VARY DEPENDING UPON SOIL TYPE AND AVERAGE RAINFALL. AT SLOPE LENGTHS GREATER THAN 300 FEET OR WHERE DRAINAGE OVER LARGE AREAS IS DIRECTED ONTO THE BLANKETS, STAPLE PATTERN "C" SHOULD BE UTILIZED.

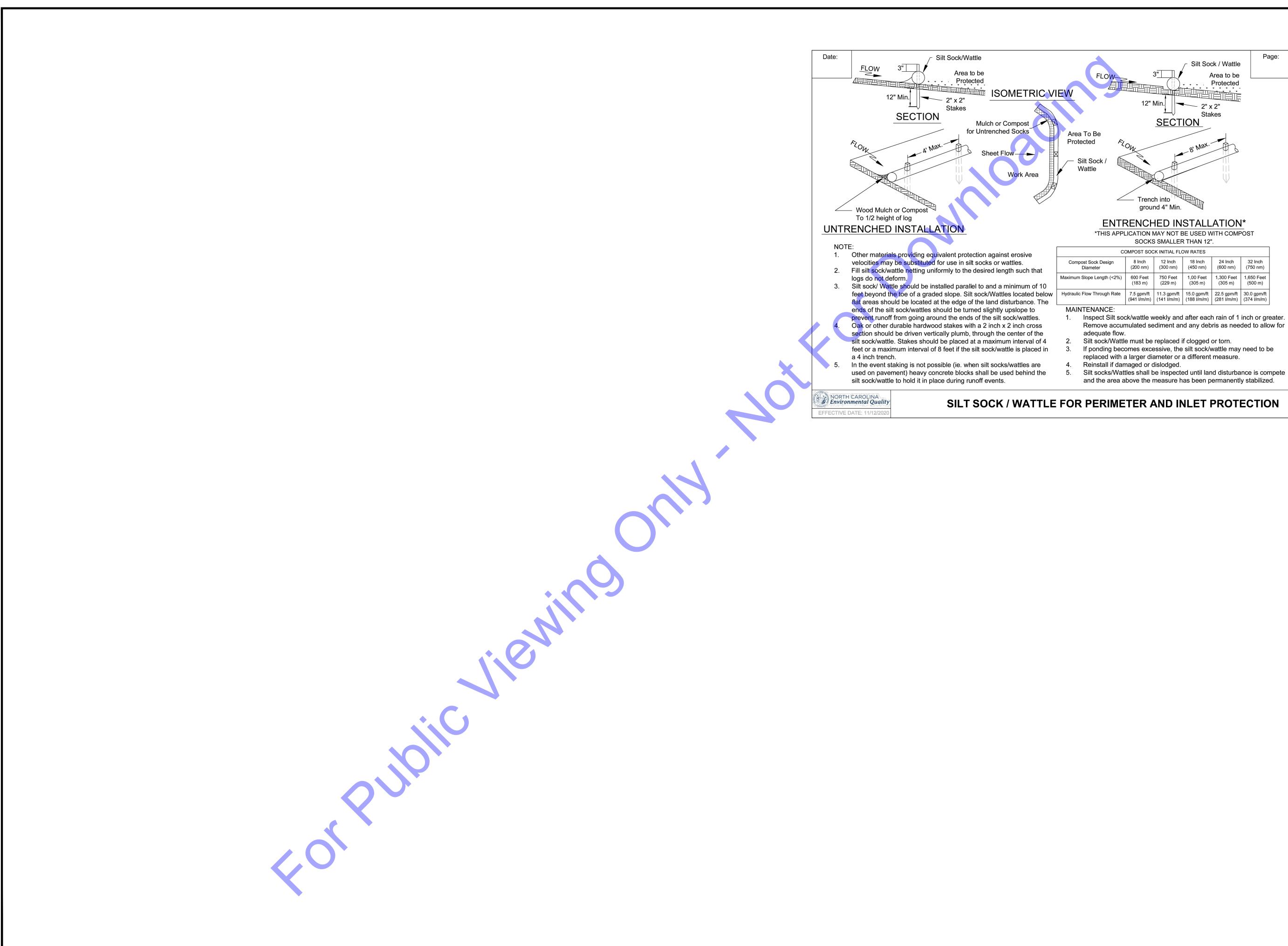
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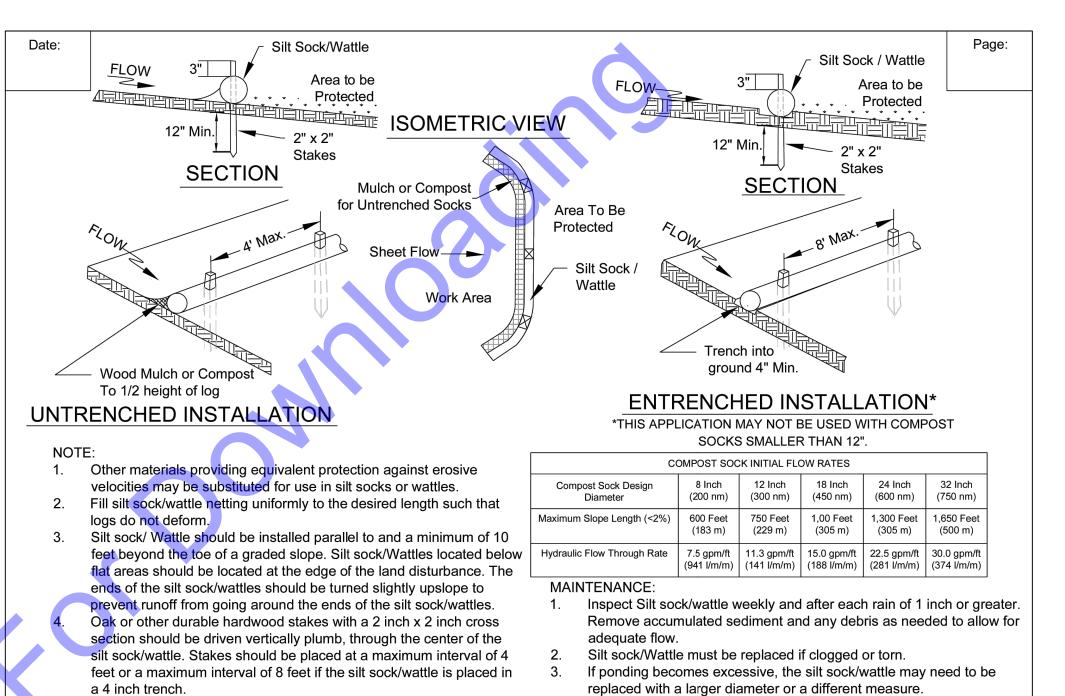


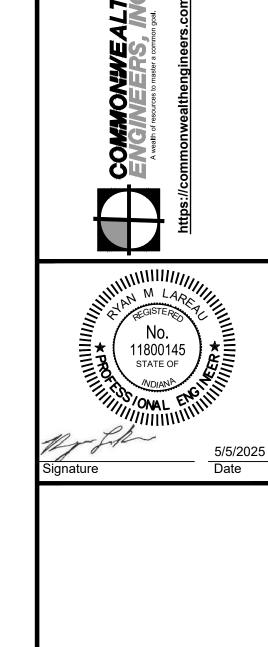
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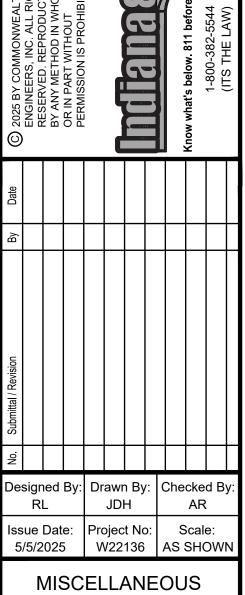
MISCELLANEOUS DETAILS

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DETAILS

MD4

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