

CITY OF GARRETT

DEKALB COUNTY, INDIANA

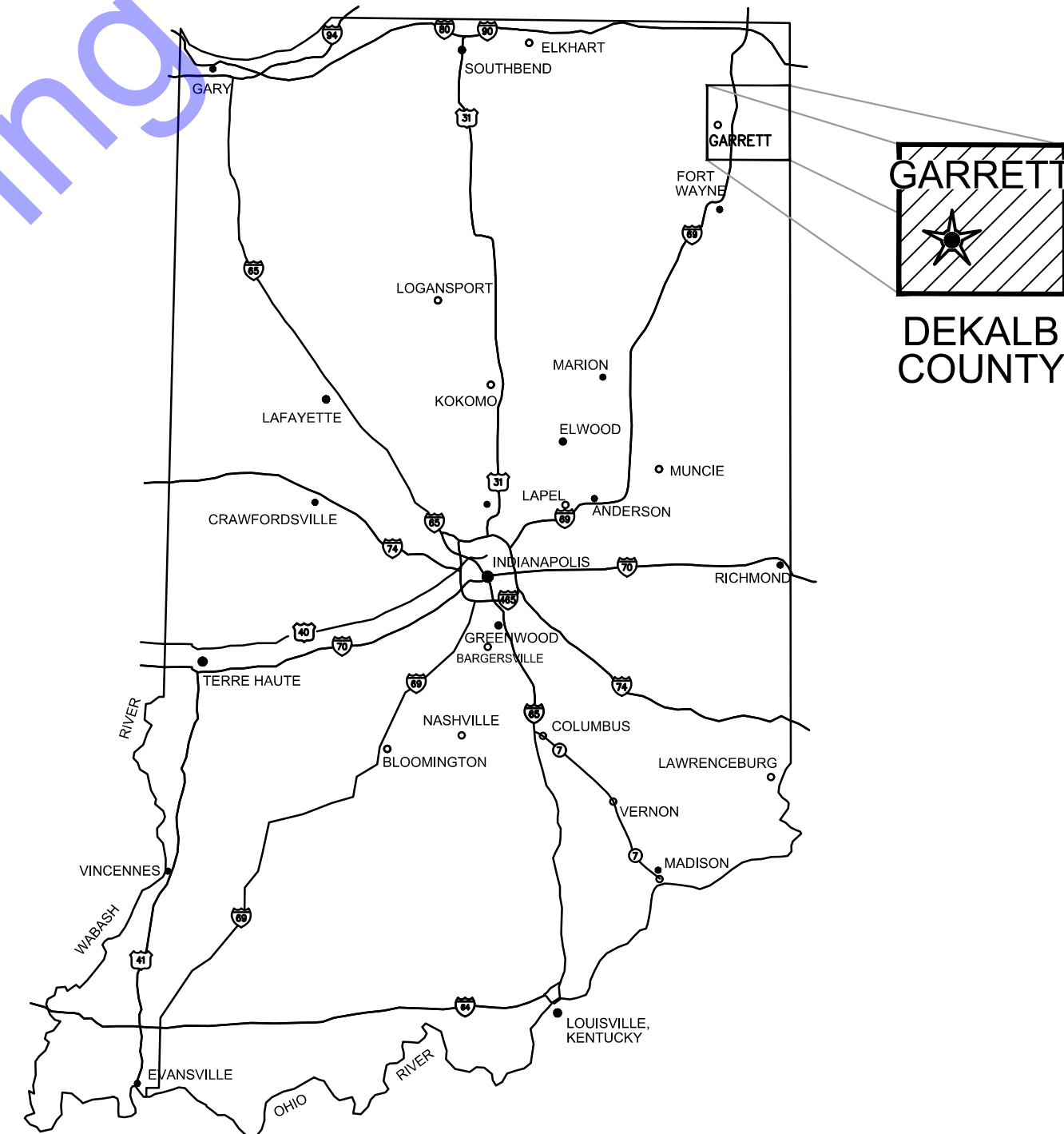
SR 8-CR 15

SANITARY SEWER AND WATER MAIN EXTENSION

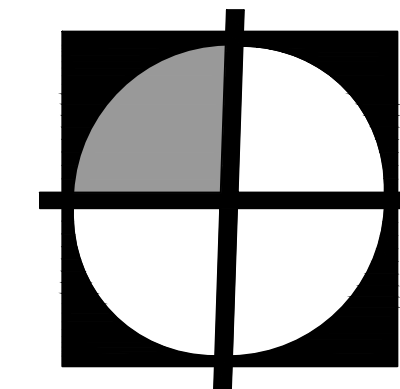
JULY 2025

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GENERAL LOCATION MAP



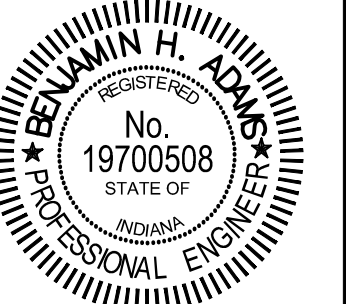
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QA/QC BY : NATALIE M. SCHELLING, P.E.

6/6/25
DATE :

CERTIFIED BY :
BENJAMIN H. ADAMS
INDIANA PE No. 19700508

6/6/25
DATE :



CONTRACT NO. : J24214

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GENERAL ABBREVIATIONS

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

GENERAL NOTES

3. 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.
3. 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 CITY, TEMPORARY EASEMENTS NEEDED FOR STORAGE, STOCKPILING, ACCESS, OR ANY OTHER REASON, OUTSIDE OF ANY EASEMENTS OR RIGHT-OF-WAY PROVIDED.
5. 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 AREA.
6. 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.
8. 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 GARRETT AND THE DEKALB COUNTY HIGHWAY DEPARTMENT.
10. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL PERMITS OBTAINED FOR THE PROJECT.
11. 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.
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.
14. 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.
15. WORK NOT SPECIFIED FOR PAYMENT AS OR PART OF A SPECIFIC PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT BY THE CONTRACTOR.
16. 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 ANY MATERIALS.
18. ADDITIONAL ACCESS ROAD OUTSIDE OF WHAT IS SHOWN ON DRAWINGS, SHALL BE INCIDENTAL TO OTHER PAY ITEMS.
19. ALL NORTHINGS AND EASTINGS PROVIDED FOR NEW STRUCTURES ARE DESIGNATED TO THE CENTER OF THE STRUCTURE.
20. THE SITE IS ACTIVELY UNDER CONSTRUCTION OF THE SERVICE STEEL FRAMING FACILITY. THE CONTRACTOR SHALL COORDINATE WITH THE SERVICE STEEL FRAMING CONTRACTORS REGARDING SITE TRAFFIC, MATERIAL STORAGE, SCHEDULE OF WORK, AND ALL OTHER ASPECTS IN WHICH THE PROJECTS COULD IMPACT EACH OTHER.

EXISTING UTILITY NOTES

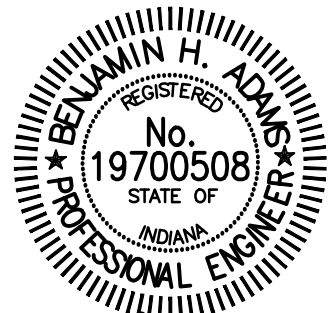
1. THE EXISTING UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. LOCATION, SIZE AND MATERIAL SHOWN ON UTILITIES ARE FROM AVAILABLE RECORDS AND AVAILABLE FIELD MARKINGS, SUPPLIED BY THE RESPECTIVE UTILITY 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 UTILITIES (1-800-382-5544).
2. SIZE, MATERIAL, DEPTH AND LOCATION OF KNOWN EXISTING SEWER/WATER FACILITIES ARE FROM AVAILABLE HISTORIC INFORMATION AND ABOVE-GROUND INSPECTION AND MEASUREMENT. THE CONTRACTOR SHALL VERIFY ALL SEWER/WATER 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.
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 GARRETT WATER DEPARTMENT 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/WATER PIPE. 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 ALL SANITARY SEWERS, AND OVERFLOWS ARE PROHIBITED. 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.

UTILITY CONTACT INFORMATION

UTILITY PROVIDER	CONTACT	PHONE	ADDRESS
AMERICAN ELECTRIC POWER TELECOM	DAVID LAWRENCE	(614) 883-7836	850 TECH CENTER DR. GAHANNA, OH 43215 dalawrence@aep.com
AT&T - DISTRIBUTION	ATT INDIANA UTILITY COORDINATION		g09871@att.com
AUBURN ELECTRIC, CITY OF	BARBARA CASTATOR	(260) 925-8232 x1326	5066 CO RT 29 AUBURN, IN 46706 bmcastator@ci.auburn.in.us
AUBURN WATER, SEWER & ELECTRIC, CITY OF	STEVE BLAUGH	(260) 925-5711 x2201	800 W NORTH ST AUBURN, IN 46706
GARRETT ELECTRIC	DAVE VANDERBOSCH	(260) 357-4593	130 S. RANDOLPH ST GARRETT, IN 46738 electric@garrettindiana.us
FRONTIER		(260) 459-7759	4027 BECKWITH DR FORT WAYNE, IN 46808
GARRETT WATER AND SEWER DEPARTMENT	PAT KLEEMAN	(260) 357-3811	130 S. RANDOLPH ST GARRETT, IN 46738 water-sewer@garrettindiana.us
IN FIBER NETWORK DBA INTELLIGENT FIBER NETWORK	GEORGE HUSS	(443) 403-2023	1401 WYNKOOP ST., FLOOR 4, RM-DATA DENVER, CO 80202 george.huss@zayo.com
INDEPENDENTS FIBER NETWORK	SARAH EMANS	(419) 739-3124	1720 WILLIPIE STREET WAPAKONETA, OH 45895 semans@criteam.com
MEDIACOM, LLC (AUBURN)	MARK ZACHARKO	(270) 527-9939 x3285	90 MAIN ST BENTON, KY 42025 mzacharko@mediacomcc.com
NIPSCO GAS (ANGOLA)	UTILITY COORDINATION		700 W BROAD ST ANGOLA, IN 46703 utilitycoordination@nsource.com
ZAYO BANDWIDTH	WAYLON HIGGINS	(765) 341-1199	722 N HIGH SCHOOL RD INDIANAPOLIS, IN 46214 waylon.higgins@zayo.com

LEGEND

	NEW TEMPORARY EASEMENT (PLAN ONLY)		NEW SANITARY MANHOLE		EXISTING GAS METER		EXISTING WATER METER
	NEW PERMANENT EASEMENT (PLAN ONLY)		NEW FORCE MAIN		EXISTING FIBER OPTICS		EXISTING GAS LINE
	GRANULAR BACKFILL (PROFILES AND SECTIONS ONLY)		NEW SANITARY SEWER		EXISTING FIBER OPTICS BOX		EXISTING GAS VALVE
	ASPHALT (PROFILES AND SECTIONS ONLY)		NEW WATER MAIN		EXISTING ELECTRIC BOX		EXISTING LIGHT POLE
	ABANDONED IN PLACE (STONE DRIVE)		NEW LIFT STATION		EXISTING MAILBOX		EXISTING POWER POLE/W GUY WIRE
	ABANDONED IN PLACE (GROUT)		EXISTING SANITARY MANHOLE		EXISTING SIGN		EXISTING OVERHEAD ELECTRIC
	STONE DRIVE (PLAN) GROUT (PROFILES AND SECTIONS)		EXISTING SANITARY SEWER		EXISTING POST		EXISTING BURIED TELEPHONE
	STONE DRIVE (PLAN) GROUT (PROFILES AND SECTIONS)		EXISTING SANITARY SEWER TO BE PLUGGED		EXISTING FENCE		EXISTING TELEPHONE CONTROL BOX
	CONCRETE		EXISTING SANITARY/STORM SEWER TO BE ABANDONED/FILLED		EXISTING GUARDRAIL		EDGE OF DRIVE
	DROP SHAFT LOCATION (PLAN ONLY)		EXISTING SANITARY/STORM SEWER TO BE REMOVED		EXISTING DECIDUOUS TREE		EXISTING SPOT ELEVATION
			EXISTING FORCE MAIN		EXISTING EVERGREEN TREE		CONTROL POINT
			EXISTING STORM STRUCTURE		EXISTING SHRUB/BUSH		TEMPORARY BENCH MARK
			EXISTING STORM SEWER		EXISTING TREE LINE		WATER EDGE
			EXISTING WATERLINE		EXISTING MAJOR CONTOUR LINE		EXISTING BIG ROCK
			EXISTING FIRE HYDRANT		EXISTING MINOR CONTOUR LINE		CONSTRUCTION LIMITS/TRENCH LIMITS
			EXISTING WATER VALVE		APPROX. RIGHT-OF-WAY		
			EXISTING WATER SPIGOT		APPROX. PROPERTY LINE		



Signature 6/6/2025
Date

**CITY OF GARRETT, IN
DEKALB COUNTY**

SR 8-CR 15
SANITARY SEWER AND WATER MAIN
EXTENSION

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Designed By: BA/BW	Drawn By: CH	Checked By: NS
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Issue Date: 6/2025	Project No: S24214	Scale: AS SHOWN
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LEGEND, GENERAL
NOTES, EXISTING
UTILITY NOTES AND
CONTACTS

Drawing No.

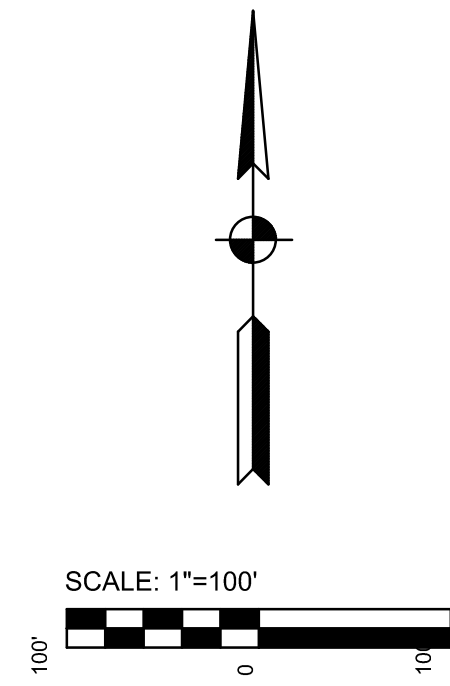
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Sheet: 3 OF 26

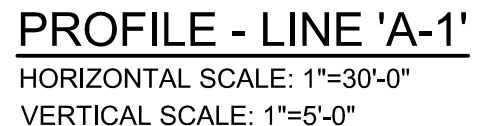
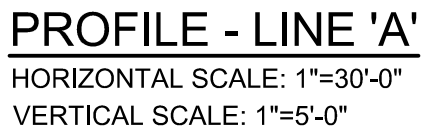


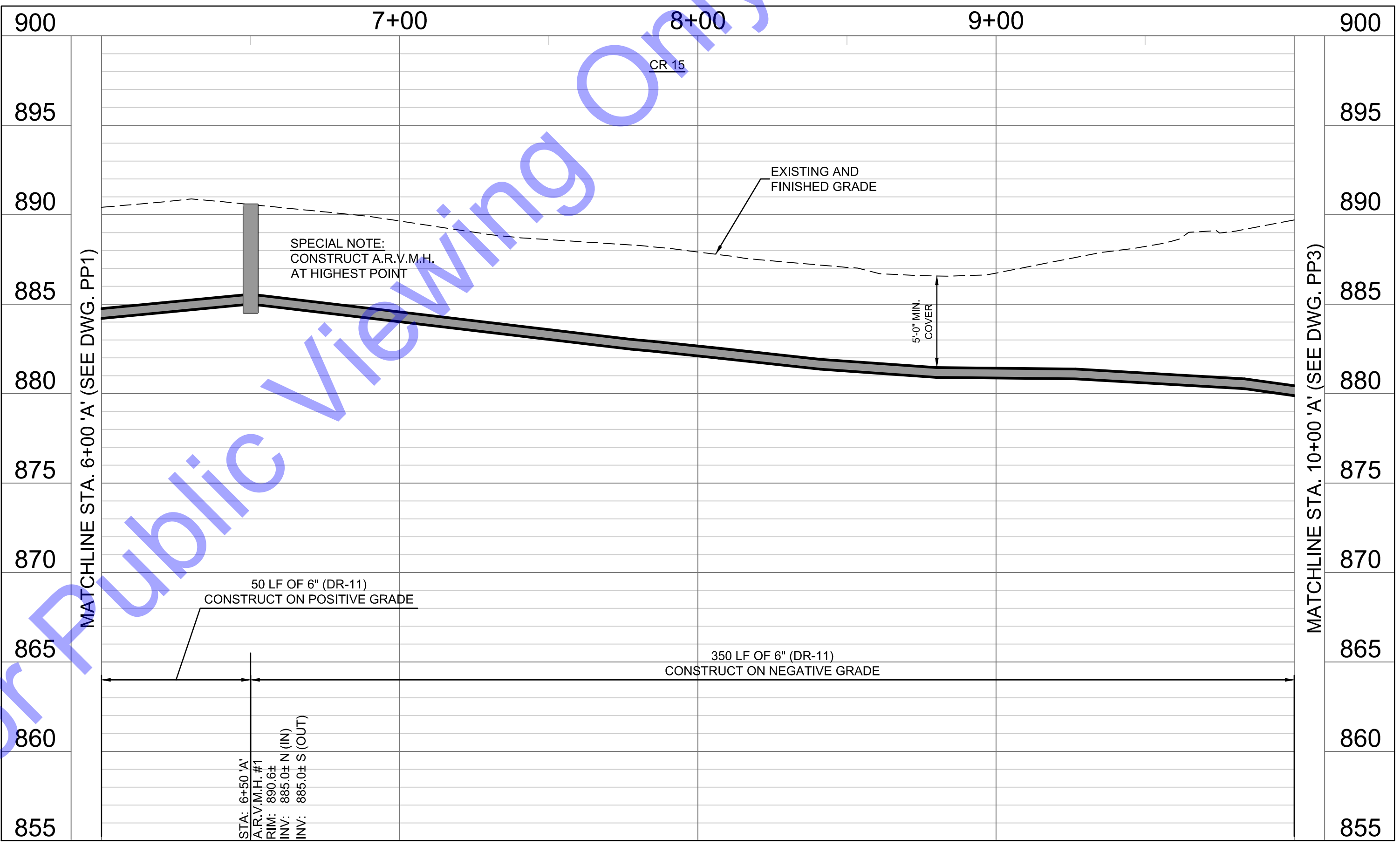
GENERAL LOCATION PLAN
SCALE: 1"=100'-0"

CONTROL SCHEDULE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
701	2229039.60	478944.76		CP / OTM CAP
702	2229341.96	478952.60		CP / OTM CAP
703	2229927.19	478982.62		CP / OTM CAP
704	2230522.95	478962.80		CP / OTM CAP
707	2228606.11	479027.79		CP / OTM CAP



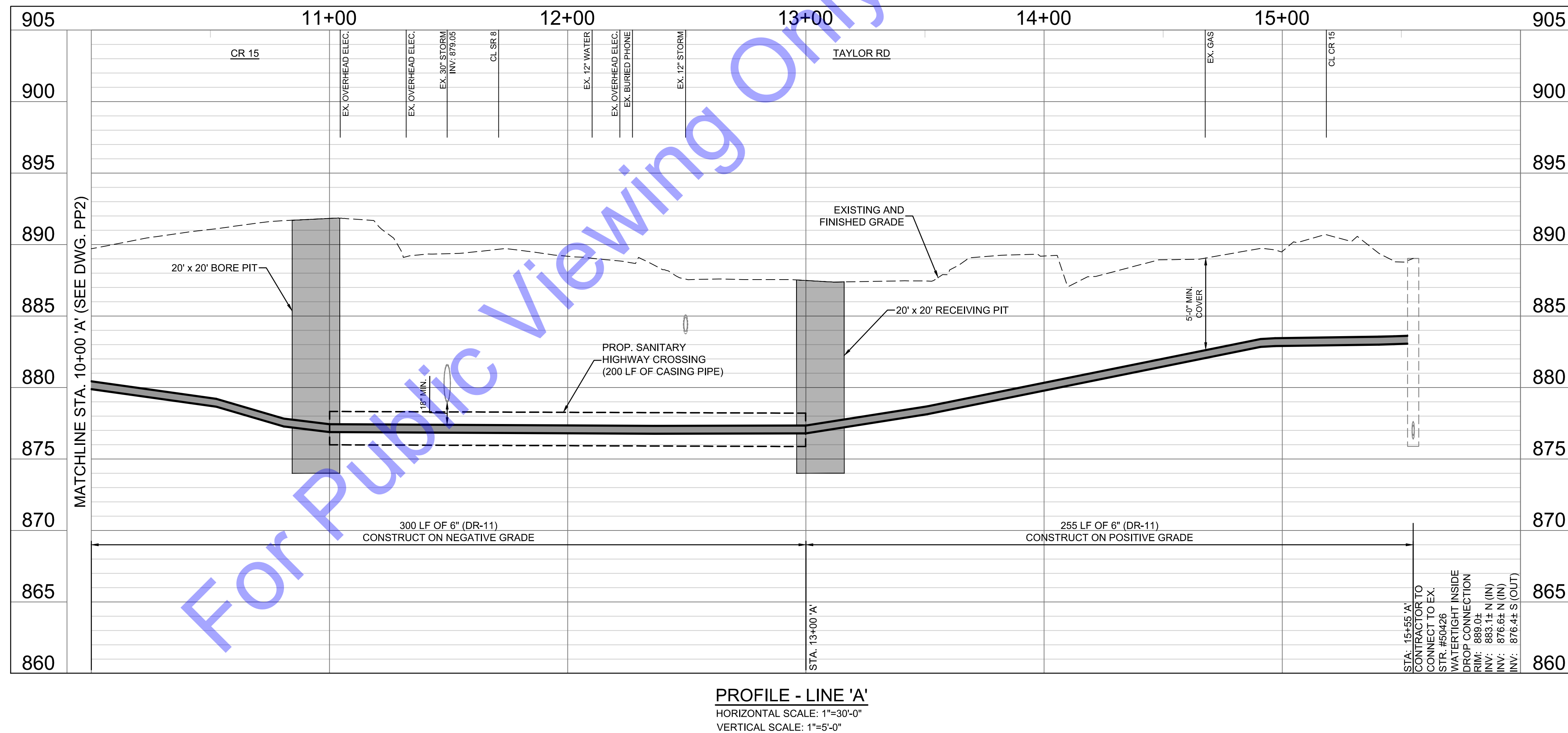
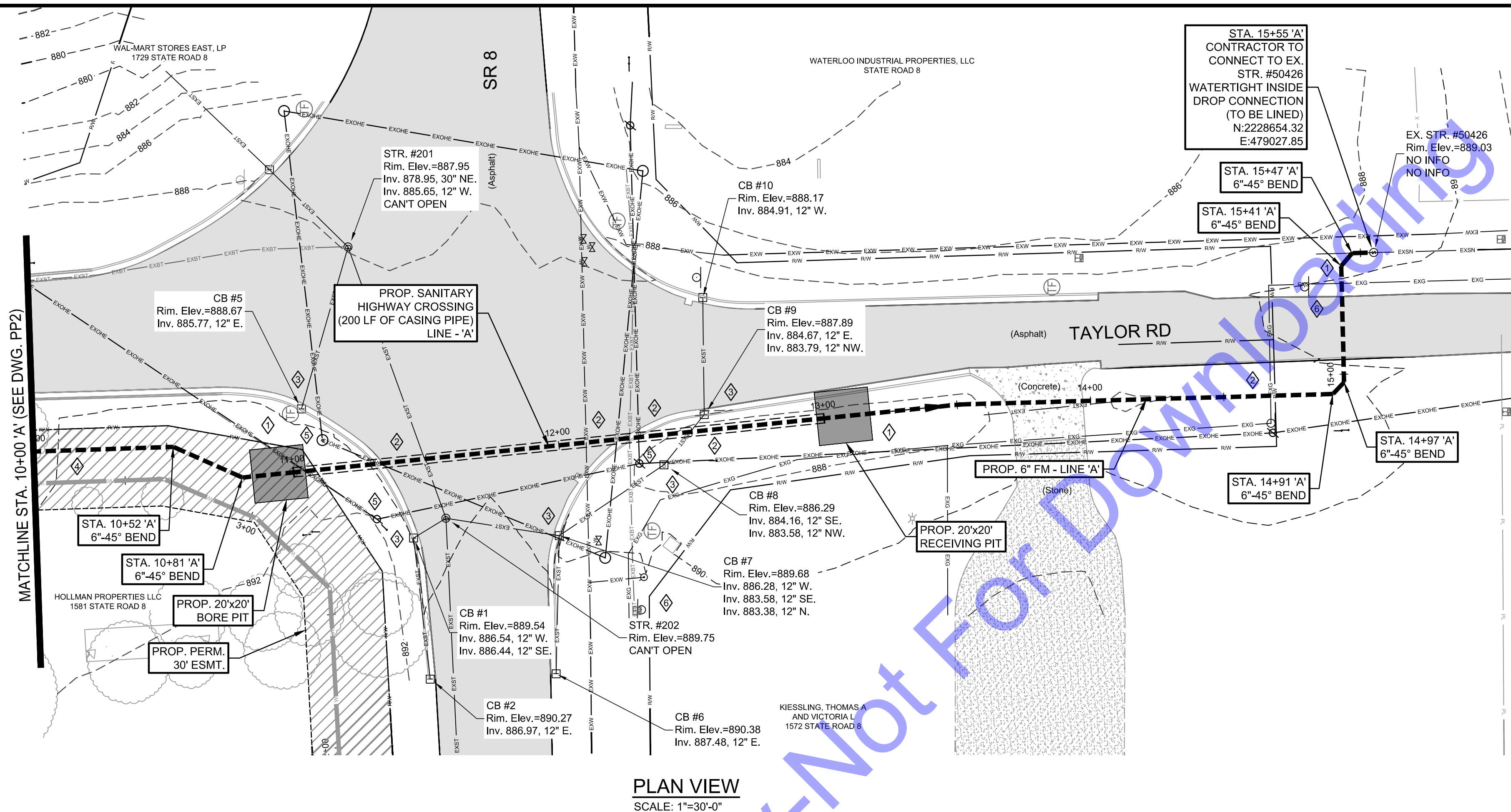
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	<i>Ben Adams</i> 6/6/2025 Signature Date				
CITY OF GARRETT, IN DEKALB COUNTY	SR 8-CR 15 SANITARY SEWER AND WATER MAIN EXTENSION				
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No.	Submitted / Revision	By	Date		
Designed By:	BA/BW	Drawn By:	CH	Checked By:	NS
Issue Date:	6/2025	Project No:	S24214	Scale:	AS SHOWN
GENERAL LOCATION AND CONTROL PLAN					
Drawing No: G4					
Sheet: 4 OF 26					





NOTE:
THE EXISTING AND PROPOSED PROFILE
GRADES ARE BASED ON THE ELEVATIONS
AT THE CENTERLINE OF THE PROPOSED
SANITARY SEWER.

- ## CODED NOTES
- ① SEE EC DRAWINGS FOR EROSION CONTROL MEASURES.
 - ② CONTRACTOR TO VERIFY EX. UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. IN THE EVENT OF UTILITY CONFLICTS, CONTRACTOR SHALL NOTIFY UTILITY TO RELOCATE TO AVOID CONFLICTS.
 - ③ CONTRACTOR TO PROTECT ANY EXISTING STORM SEWER AND STRUCTURES AND/OR FIELD TILE ENCOUNTERED DURING CONSTRUCTION. IF ENCOUNTERED AND DISTURBED, CONTRACTOR TO REPLACE TO A CONDITION EQUAL TO OR BETTER.
 - ④ CONTRACTOR TO MAINTAIN 10' MINIMUM HORIZONTAL SEPARATION BETWEEN WATER AND SANITARY LINES.



NOTE:
THE EXISTING AND PROPOSED PROFILE GRADES ARE BASED ON THE ELEVATIONS AT THE CENTERLINE OF THE PROPOSED SANITARY SEWER.

CODED NOTES

- 1 SEE EC DRAWINGS FOR EROSION CONTROL MEASURES.
- 2 CONTRACTOR TO VERIFY EX. UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. IN THE EVENT OF UTILITY CONFLICTS, CONTRACTOR SHALL NOTIFY UTILITY TO RELOCATE TO AVOID CONFLICTS.
- 3 CONTRACTOR TO PROTECT ANY EXISTING STORM SEWER AND STRUCTURES AND/OR FIELD TILE ENCOUNTERED DURING CONSTRUCTION. IF ENTERED AND DISTURBED, CONTRACTOR TO REPLACE TO A CONDITION EQUAL TO OR BETTER.
- 4 CONTRACTOR TO MAINTAIN 10' MINIMUM HORIZONTAL SEPARATION BETWEEN WATER AND SANITARY LINES.
- 5 CONTRACTOR TO PROTECT/SUPPORT UTILITY POLES DURING CONSTRUCTION.
- 6 DAMAGE TO SIGNS TO BE CONTRACTOR RESPONSIBILITY. REMOVAL AND REPLACEMENT OF SIGNS TO BE CONSIDERED INCIDENTAL TO PROJECT.



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CITY OF GARRETT, IN
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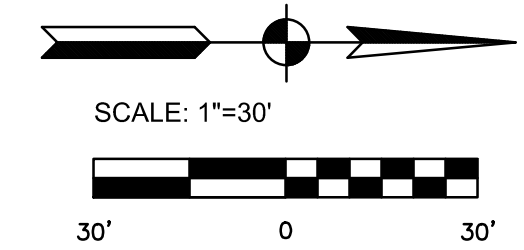
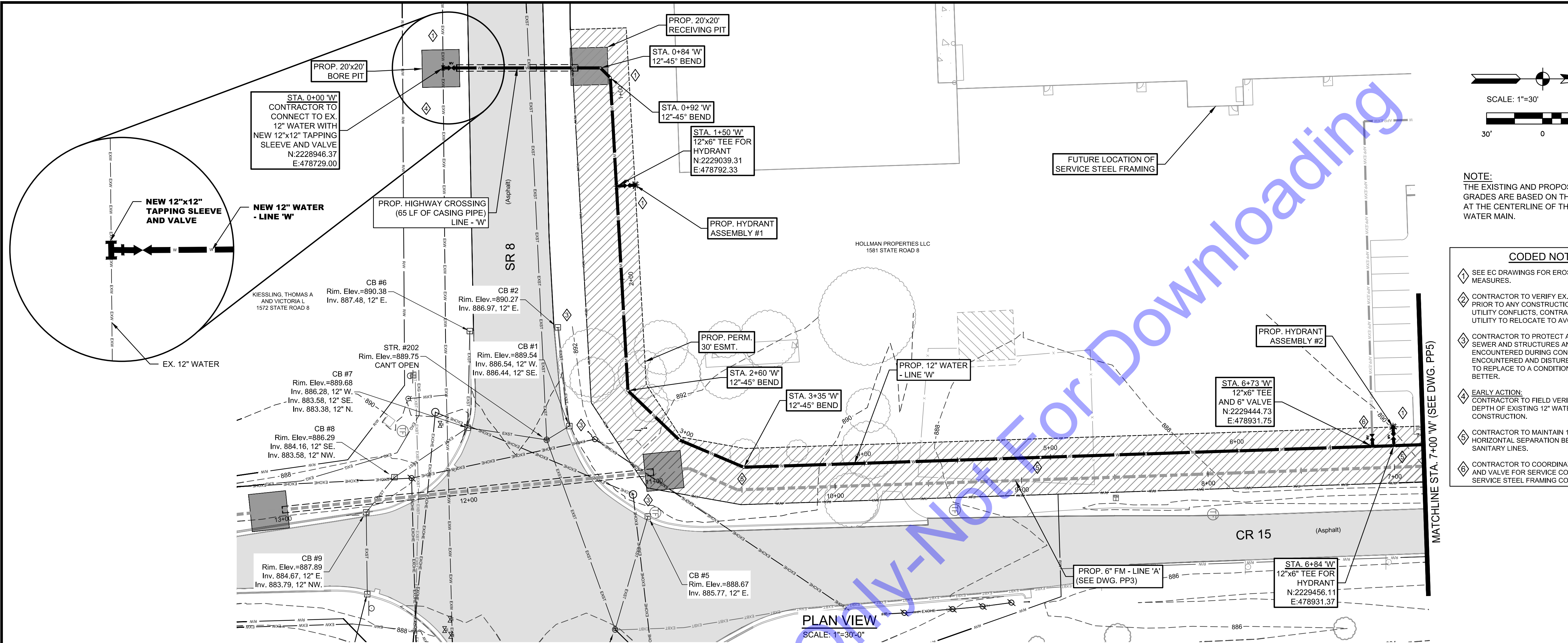
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Designed By: BA/BW	Drawn By: CH	Checked By: NS
Issue Date: 6/2025	Project No: S24214	Scale: AS SHOWN

PLAN & PROFILES -
LINE 'A' - STATION
10+00-15+53

Drawing No:
PP3

Sheet: 7 OF 26



NOTE:
THE EXISTING AND PROPOSED PROFILE GRADES ARE BASED ON THE ELEVATIONS AT THE CENTERLINE OF THE PROPOSED WATER MAIN.

CODING NOTES

- SEE EC DRAWINGS FOR EROSION CONTROL MEASURES.
- CONTRACTOR TO VERIFY EX. UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. IN THE EVENT OF UTILITY CONFLICTS, CONTRACTOR SHALL NOTIFY UTILITY TO RELOCATE TO AVOID CONFLICTS.
- CONTRACTOR TO PROTECT ANY EXISTING STORM SEWER AND STRUCTURES AND/OR FIELD TILE ENCOUNTERED DURING CONSTRUCTION. IF ENCOUNTERED AND DISTURBED, CONTRACTOR TO REPLACE TO A CONDITION EQUAL TO OR BETTER.
- EARLY ACTION: CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF EXISTING 12" WATER MAIN PRIOR TO CONSTRUCTION.
- CONTRACTOR TO MAINTAIN 10' MINIMUM HORIZONTAL SEPARATION BETWEEN WATER AND SANITARY LINES.
- CONTRACTOR TO COORDINATE LOCATION OF TEE AND VALVE FOR SERVICE CONNECTION WITH SERVICE STEEL FRAMING CONTRACTOR.



Signature: *Benjamin H. Adams* Date: 6/6/2025

CITY OF GARRETT, IN
DEKALB COUNTY

SR 8-CR 15
SANITARY SEWER AND WATER MAIN
EXTENSION

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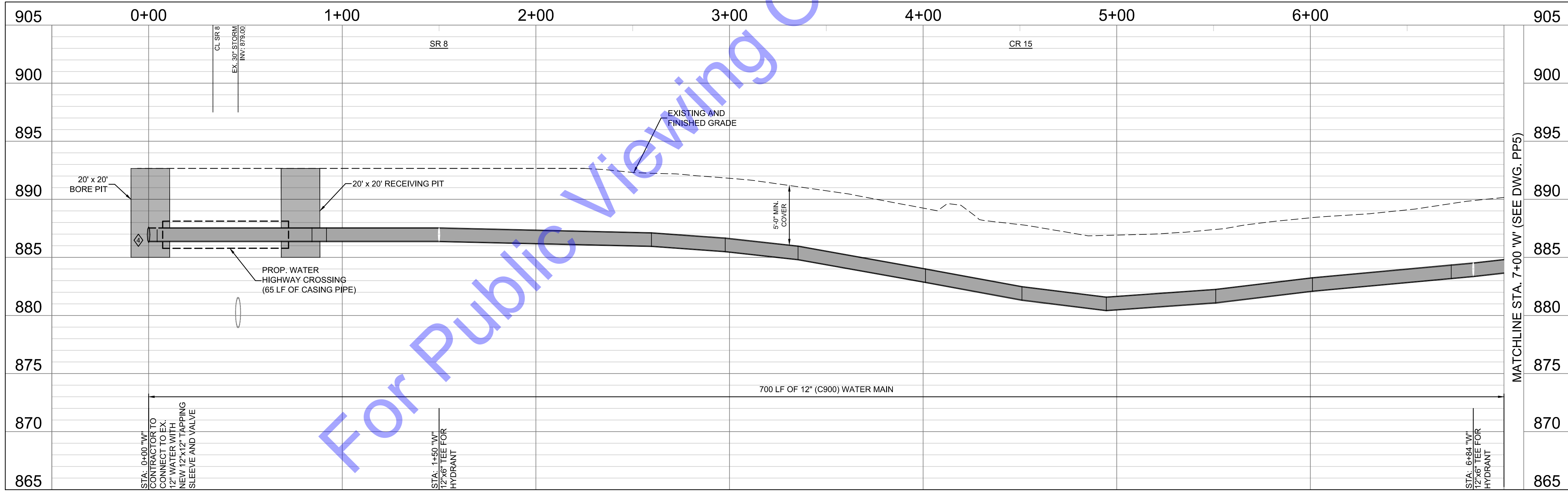
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Issue Date: 6/2025 Project No: S24214 Scale: AS SHOWN

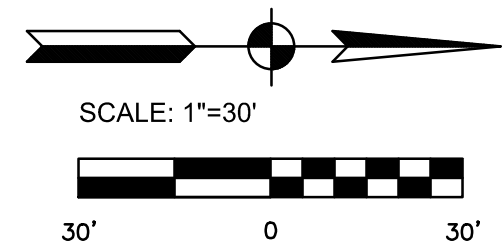
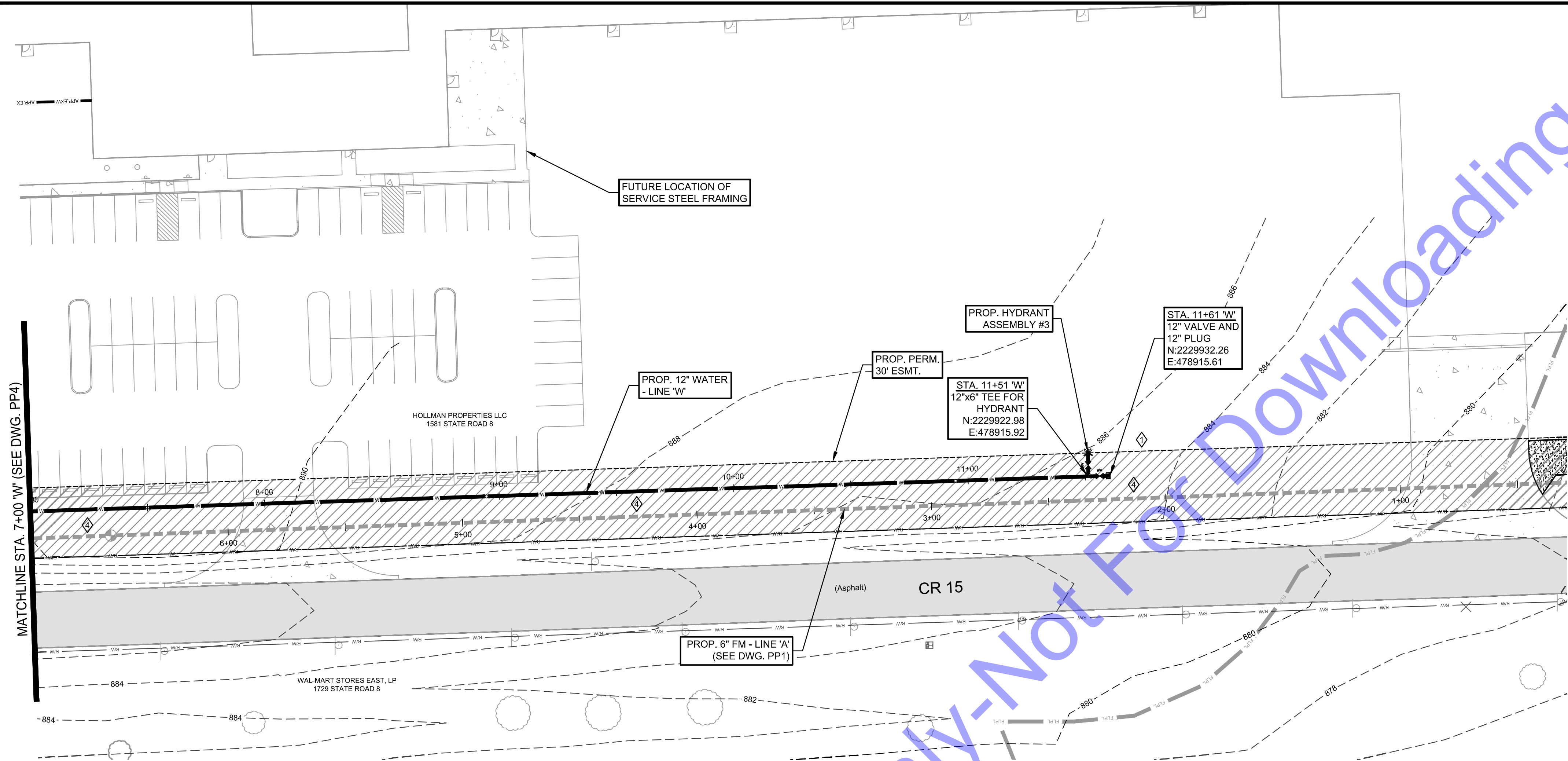
PLAN & PROFILES -
LINE 'W' - STATION
0+00-7+00

Drawing No:

PP4

Sheet: 8 OF 26

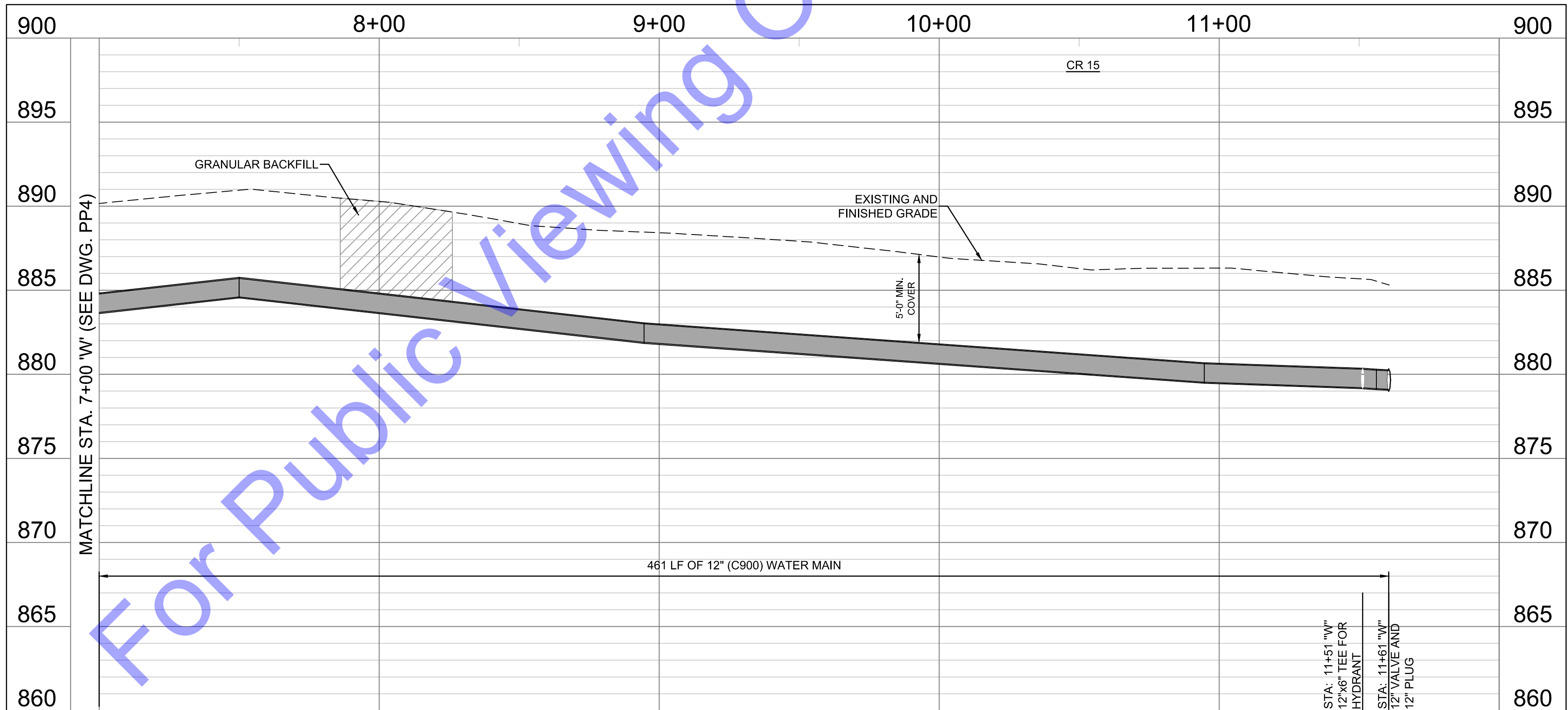




NOTE:
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CODED NOTES

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REGISTERED PROFESSIONAL ENGINEER
No. 19700508
STATE OF INDIANA
Benjamin H. Adams
Signature Date 6/6/2025

**CITY OF GARRETT, IN
DEKALB COUNTY**

SR 8-CR 15
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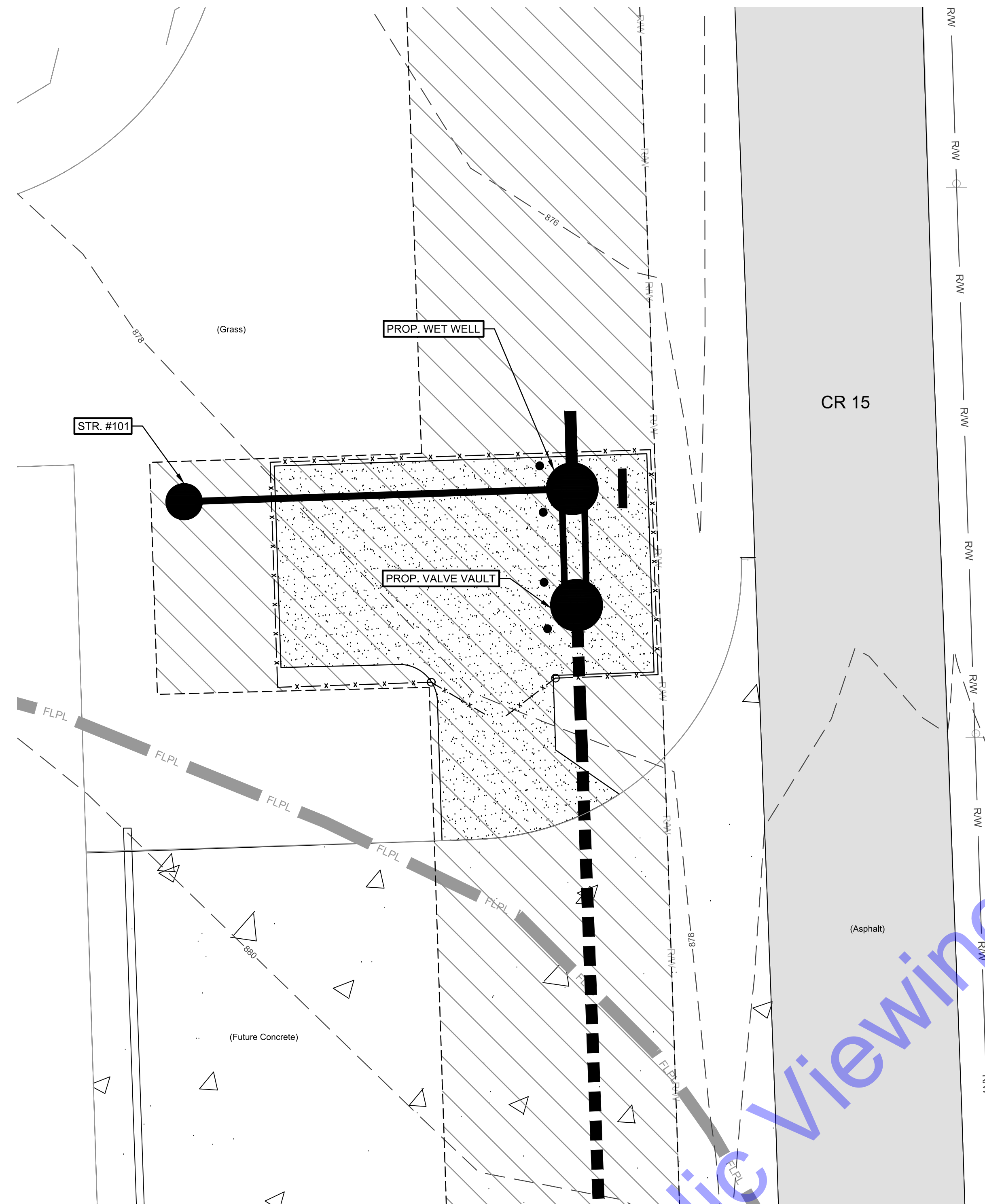
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BA/BW	CH	NS

Issue Date:	Project No:	Scale:
6/2025	S24214	AS SHOWN

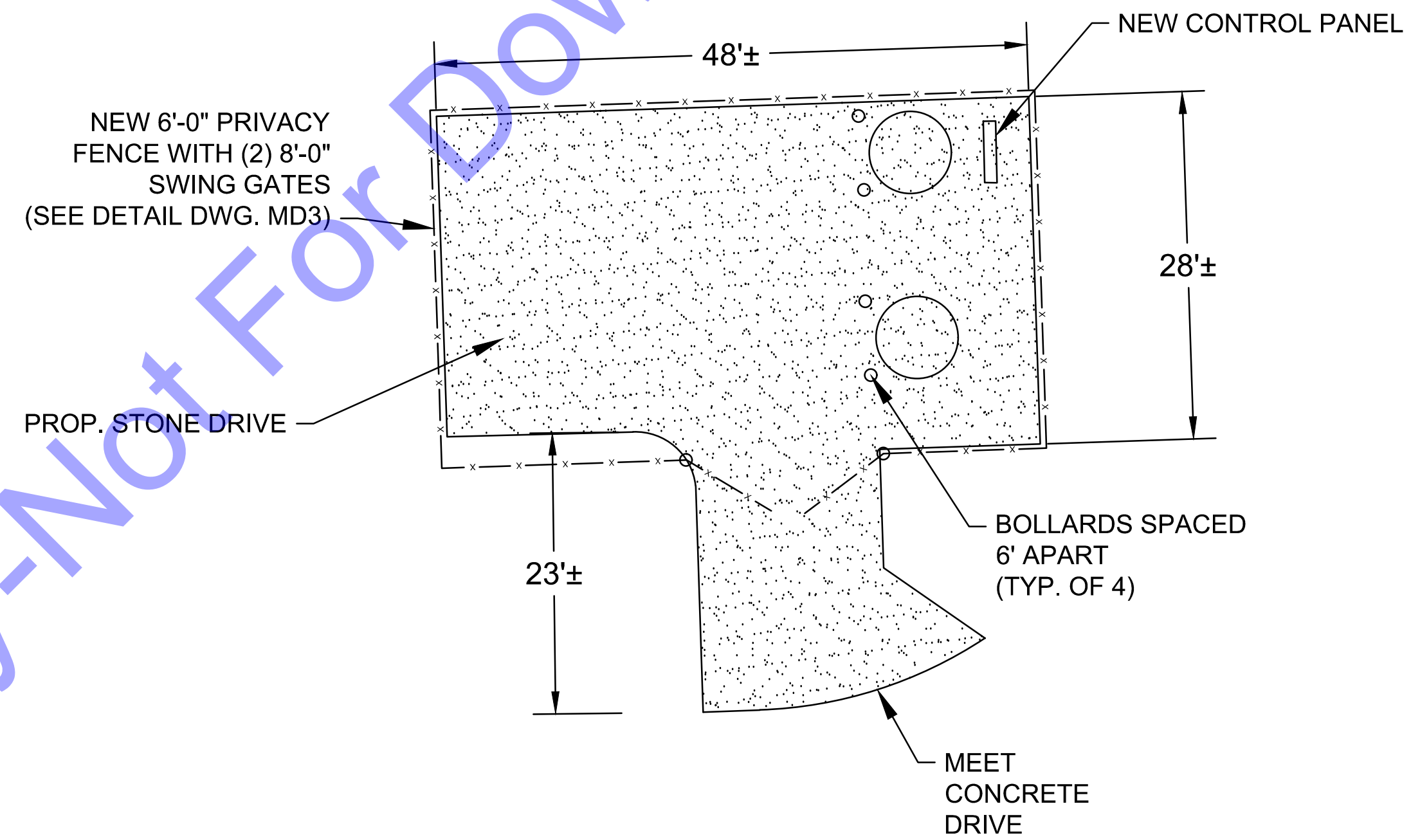
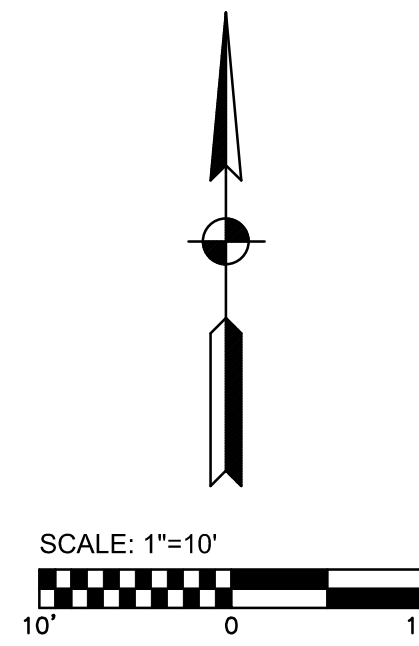
**PLAN & PROFILES -
LINE 'W' - STATION
7+00-12+78**

Drawing No:
PP5

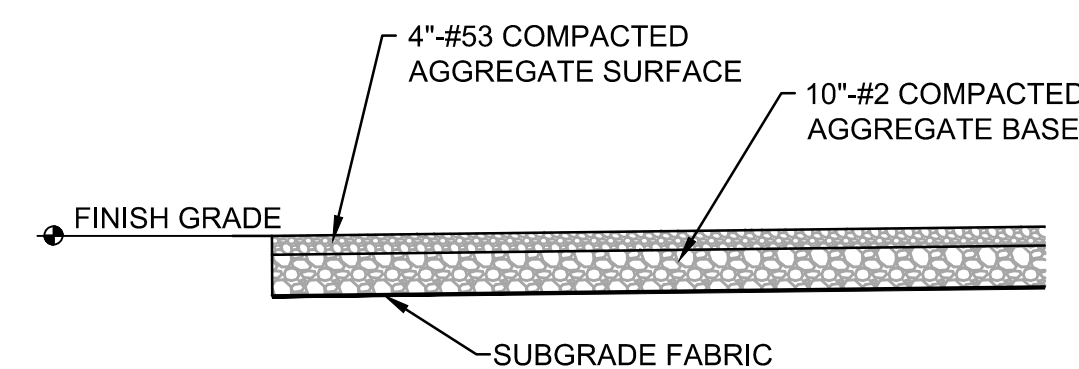
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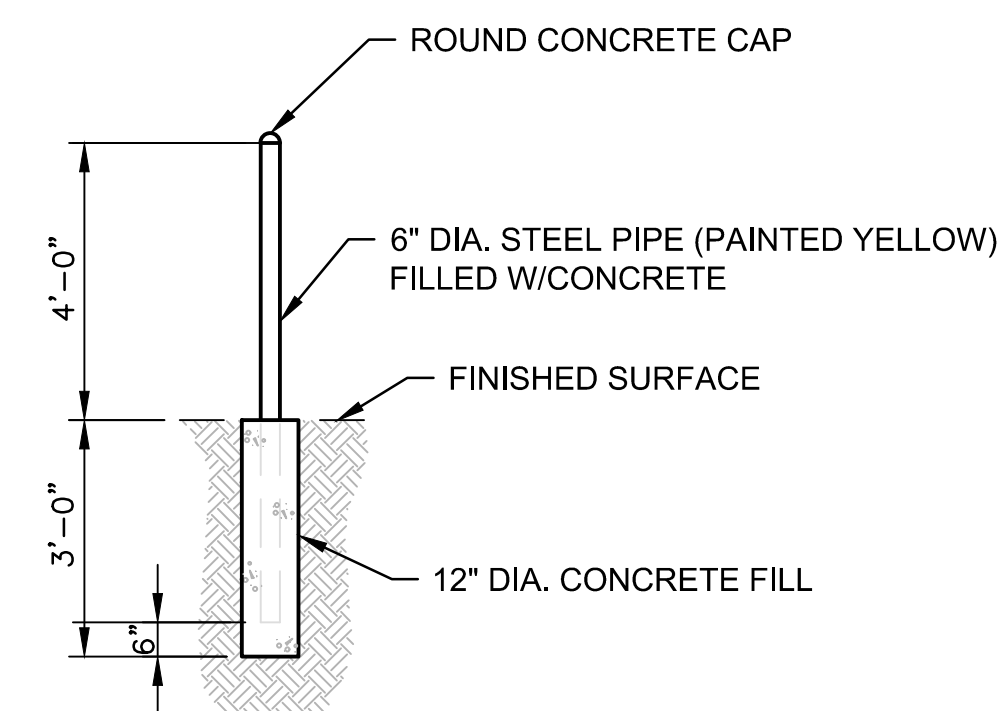
SITE PLAN
SCALE: 1"=10'-0"



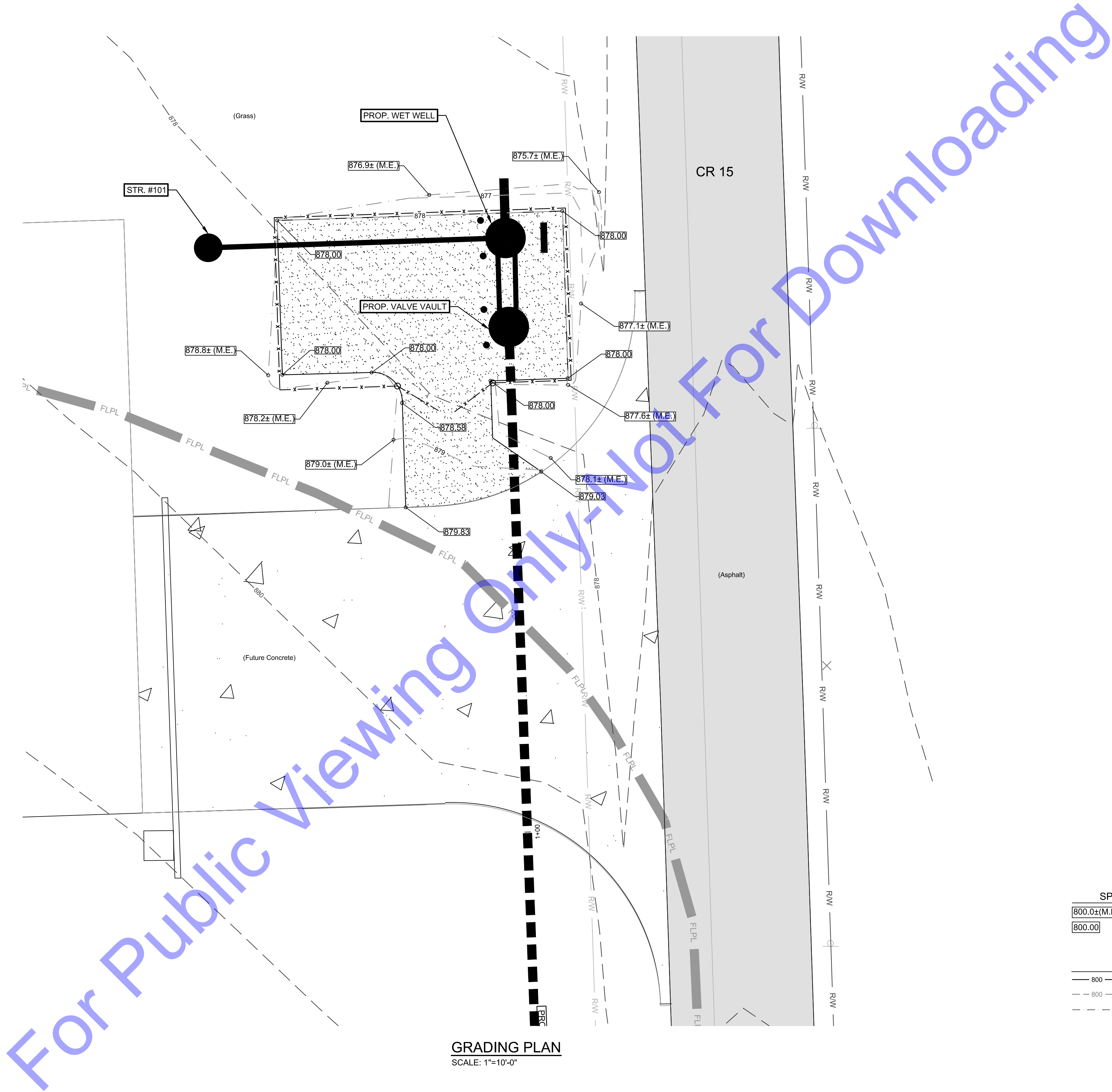
STONE SITE PLAN
AND BOLLARD LAYOUT
SCALE: NONE



STONE SITE
NO SCALE



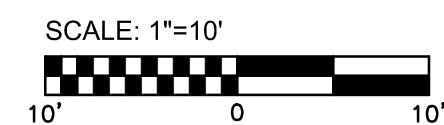
BOLLARD DETAIL
SCALE: NONE



SCALE: 1"=10'-0"

800.0±(M.E.) MATCH EXISTING ELEVATION
800.00 SPOT ELEVATION

— 800 — PROPOSED CONTOUR
 - - 800 - - EXISTING CONTOUR
 - · - · - GRADING LIMITS

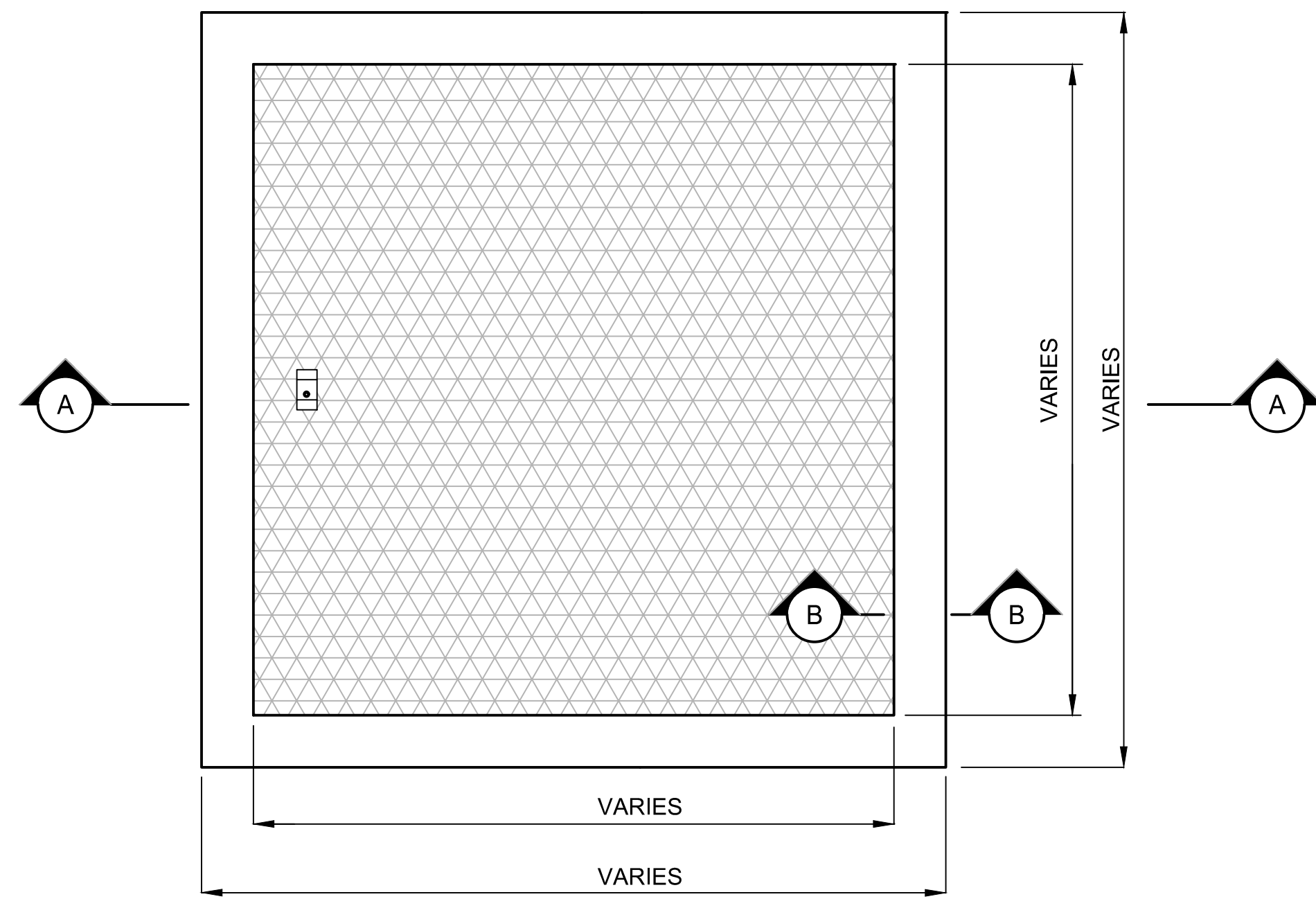




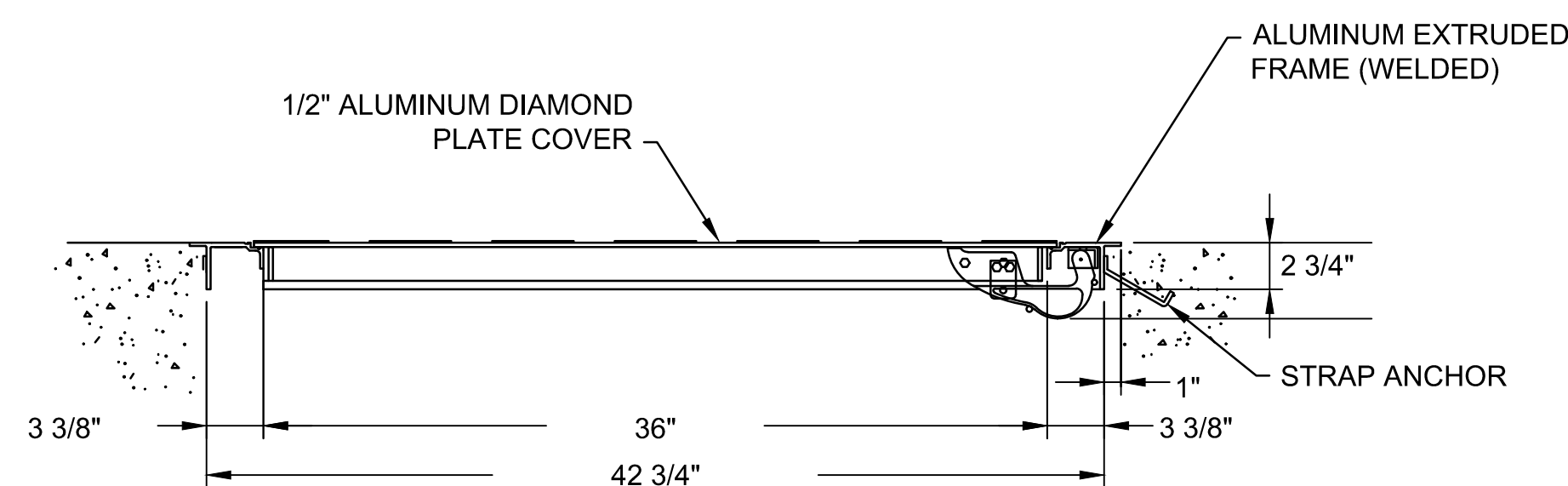
NOTES

1. LIFT STATION PUMP SHALL BE SUBMERSIBLE CENTRIFUGAL NON-CLOG PUMPS CAPABLE OF 145 GPM @ 45' TDH @ 1792 RPM TO BE FURNISHED WITH 5.5 HP, 230/460 V, 3Ø, 60 Hz. SUBMERSIBLE MOTORS CAPABLE OF PASSING 3" SOLIDS.
2. THE NEMA 4X, STAINLESS STEEL CONTROL PANEL SUPPLIED BY THE CONTRACTOR SHALL BE AS SHOWN IN THE DRAWINGS AND AS SPECIFIED WITH IN THE LIFT STATION DETAILED SPECIFICATIONS.
3. ALL ELECTRICAL EQUIPMENT AND WIRING TO CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE. SEE THE CONTROL PANEL MANUFACTURER'S DRAWING AND DETAILS FOR POWER AND CONTROL WIRING CONNECTIONS TO THE PUMPS.
4. PUMP AND DISCHARGE PIPE INSIDE LIFT STATION AND VALVE VAULT TO BE FLANGED, DUCTILE IRON PIPE. OUTSIDE PIPING TO BE MECHANICAL JOINT, DUCTILE IRON PIPE.
5. CHECK VALVES SHALL BE IRON BODY, FULL BRONZE MOUNTED, NON-SLAMMING TYPE. OPERATE WITHOUT EXCESS LOSS OF HEAD, BE DESIGNED TO PASS AT LEAST 175 PSI WORKING PRESSURE, AND HAVE BRONZE HINGES, STAINLESS STEEL HINGE PINS, FULL BRONZE MOUNTED, RUBBER FACE DISCS, WITH RAISED BEAD SEAT RINGS. BE SWING-CHECK TYPE, FLANGED, FACED AND DRILLED 125# ASA WITH OUTSIDE WEIGHT AND LEVER. CHECK VALVES SHALL BE MANUFACTURED BY CLOW, KENNEDY OR M&H VALVE COMPANY.
6. PLUG VALVES SHALL BE AWWA C-509 WITH SEMI-STEEL CONSTRUCTION WITH CLASS B RESILIENT BUNA-N FACED PLUGS, FUSION BOND EPOXY COATED INSIDE AND OUT, BE DESIGNED FOR 150 PSI WORKING PRESSURE AND FLANGED, FACED AND DRILLED 125# ASA WITH 2" OPERATING NUT. ALL PLUG VALVES SHALL BE MANUFACTURED BY DEZURIK, PCT TYPE.
7. ALL NUTS AND BOLTS INSIDE LIFT STATION AND VALVE VAULT SHALL BE STAINLESS STEEL.
8. STAINLESS STEEL PIPE GUIDES, LIFTING CABLES & FLOAT CHAIN TO BE 316 S.S.

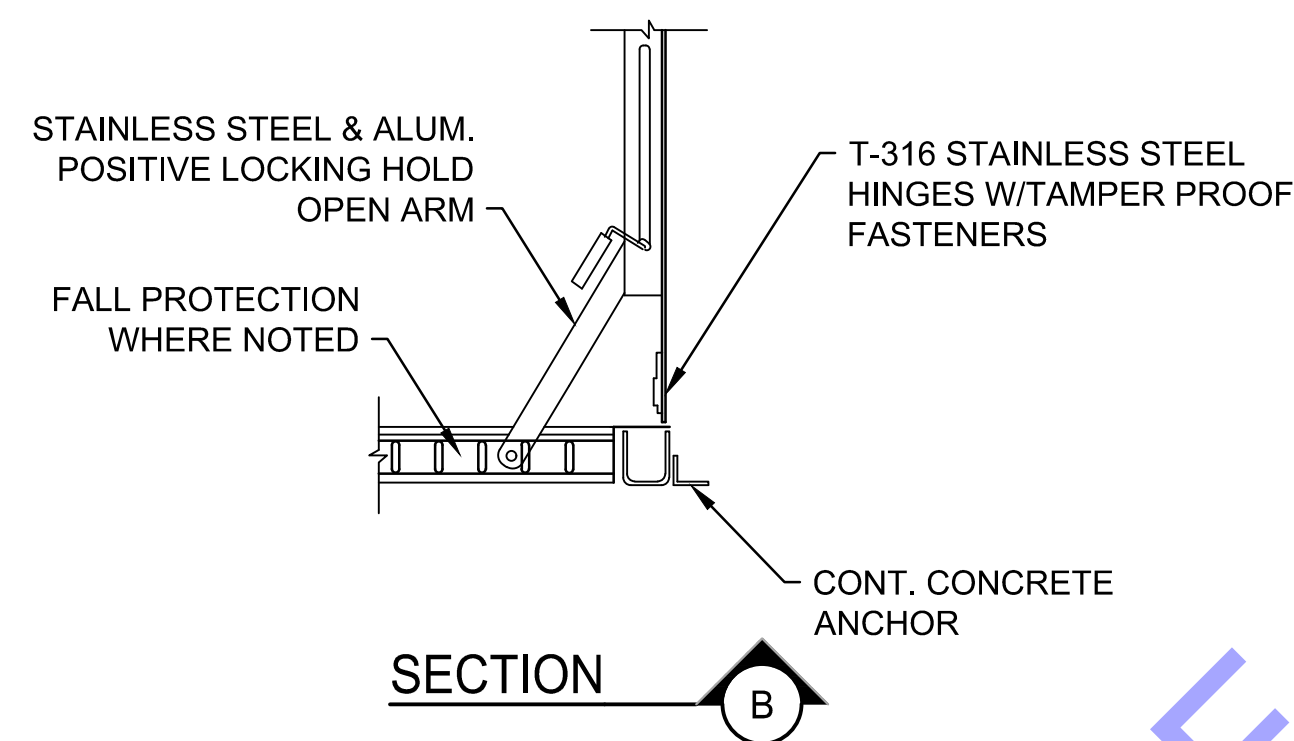




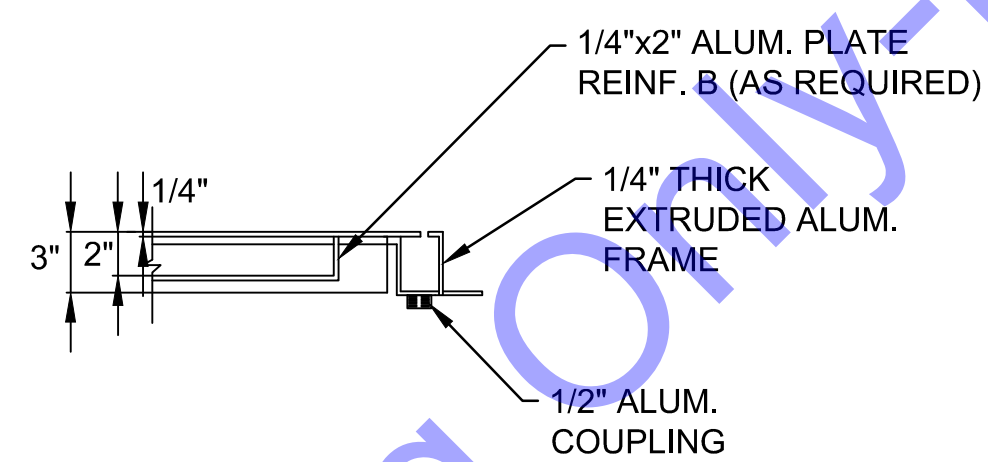
PLAN - SINGLE LEAF ACCESS HATCH



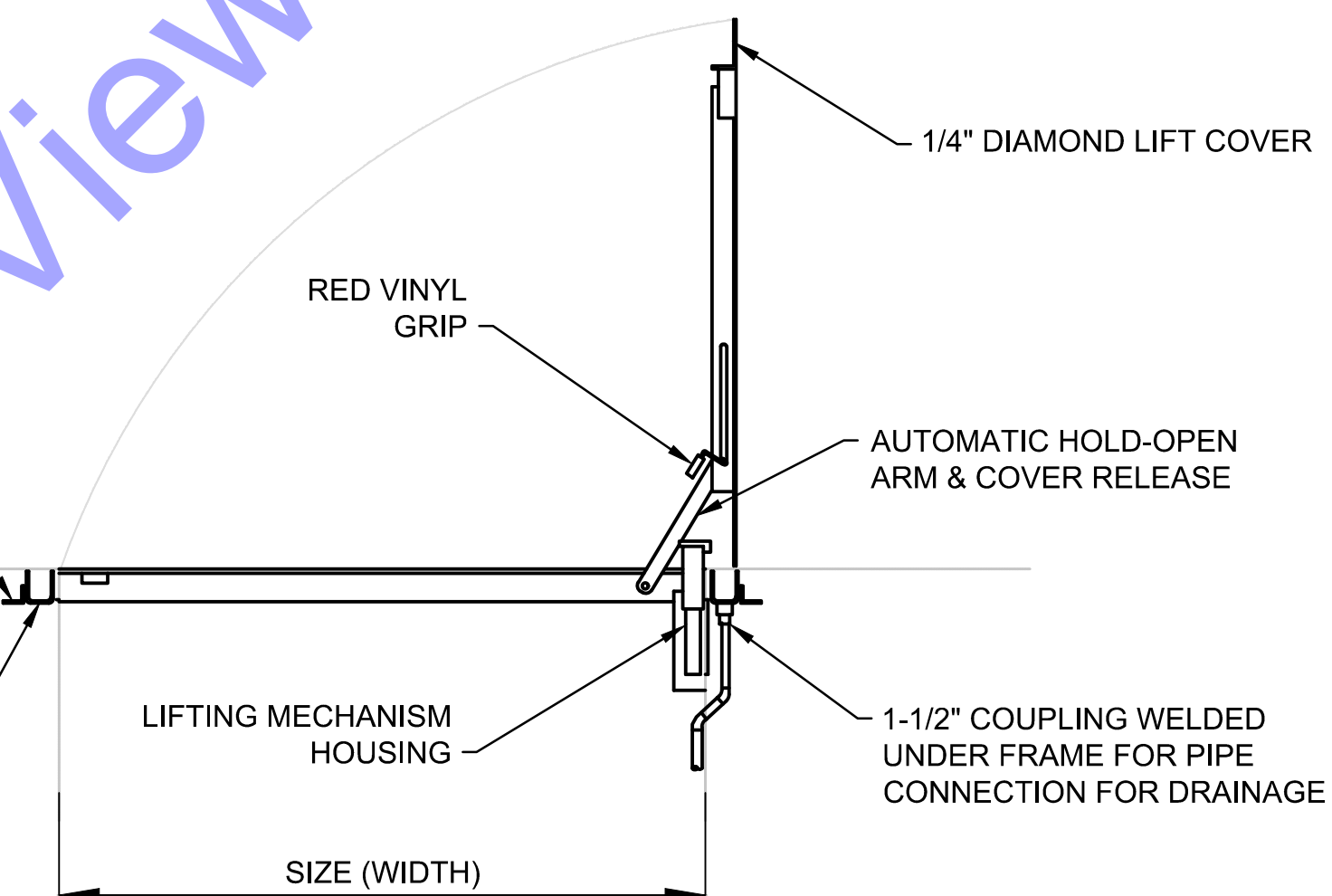
SECTION



SECTION



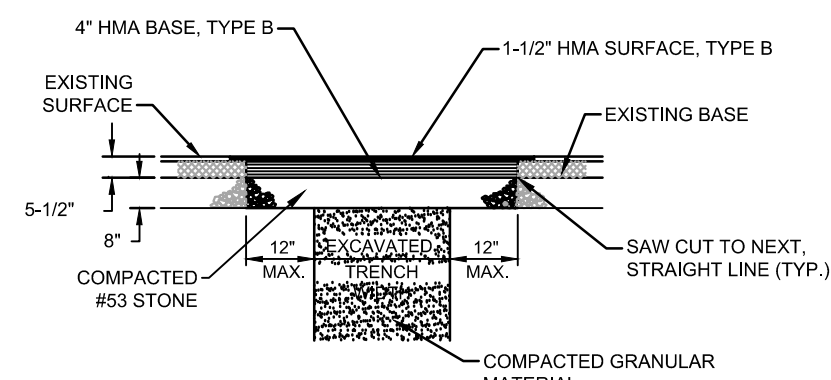
FRAME TYPE I



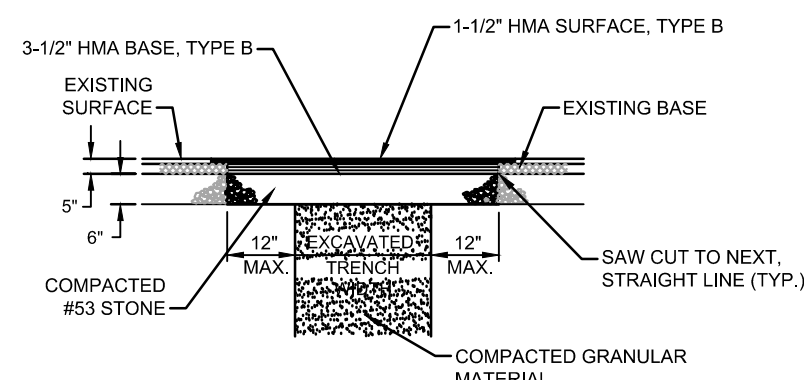
SINGLE LEAF ACCESS DOOR

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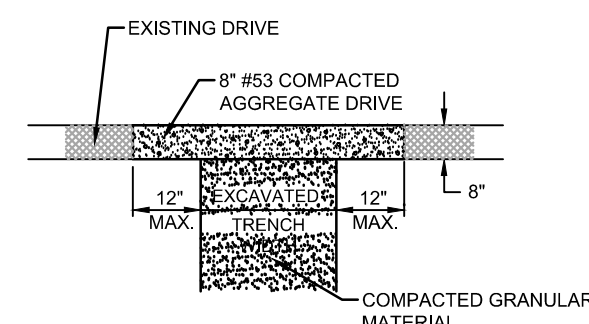
Designed By: BA/BW	Drawn By: CH	Checked By: NS
Issue Date: 6/2025	Project No: S24214	Scale: AS SHOWN



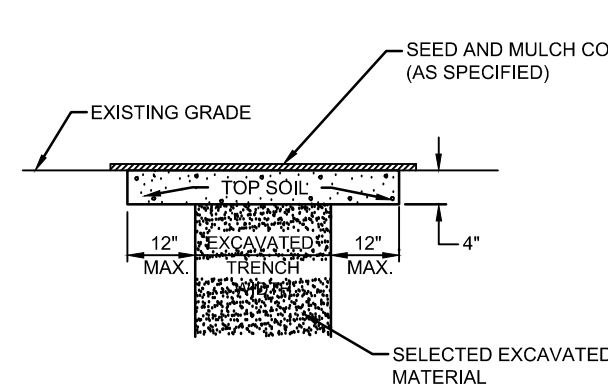
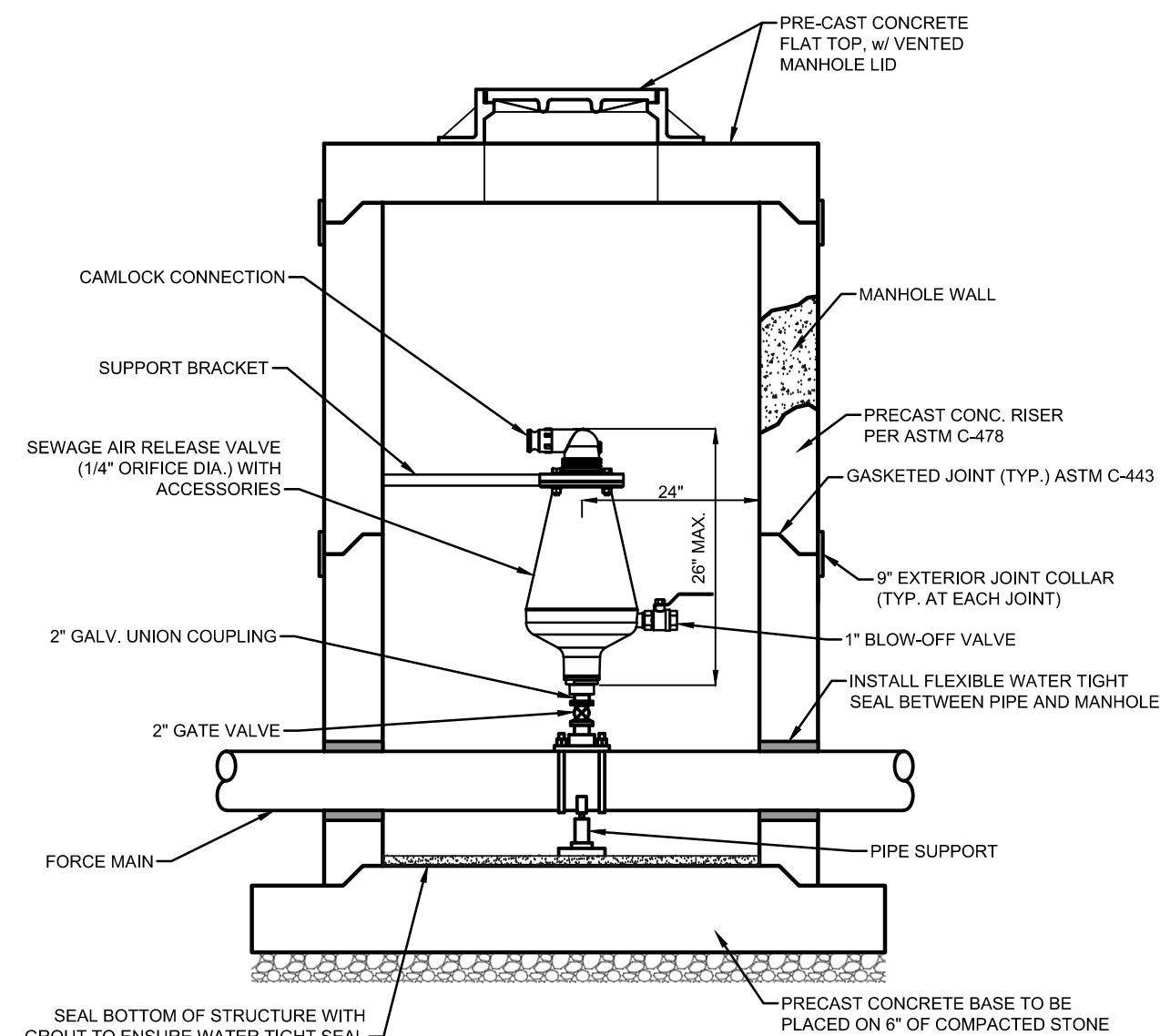
LOCAL ASPHALT PAVEMENTS - ROADS,
DRIVES, ALLEYS, AND PARKING AREAS
WITHIN PUBLIC RIGHT-OF-WAY



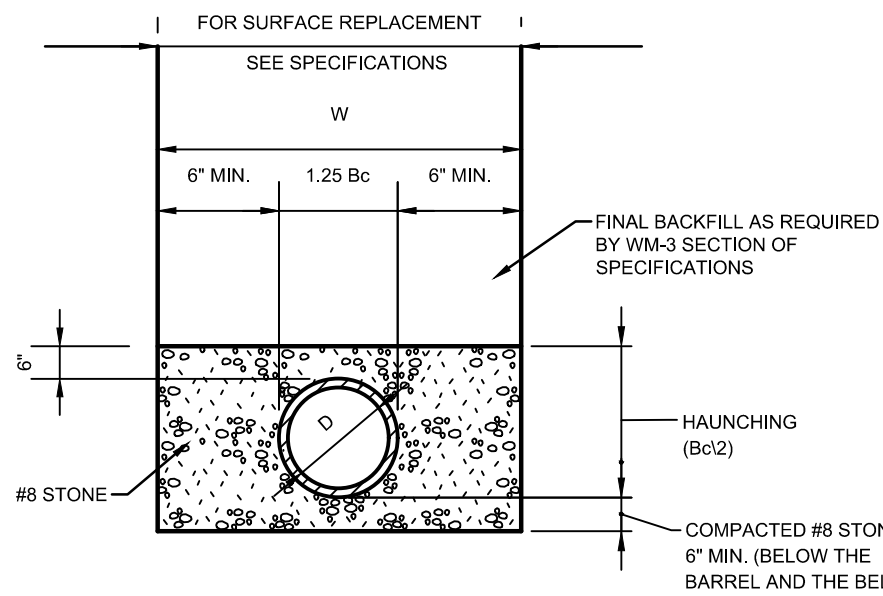
ASPHALT PAVEMENT-DRIVES AND
PARKING AREAS OUTSIDE OF PUBLIC
RIGHT-OF-WAY



GRAVEL ROAD-DRIVE REPLACEMENT

GRASSED AREA

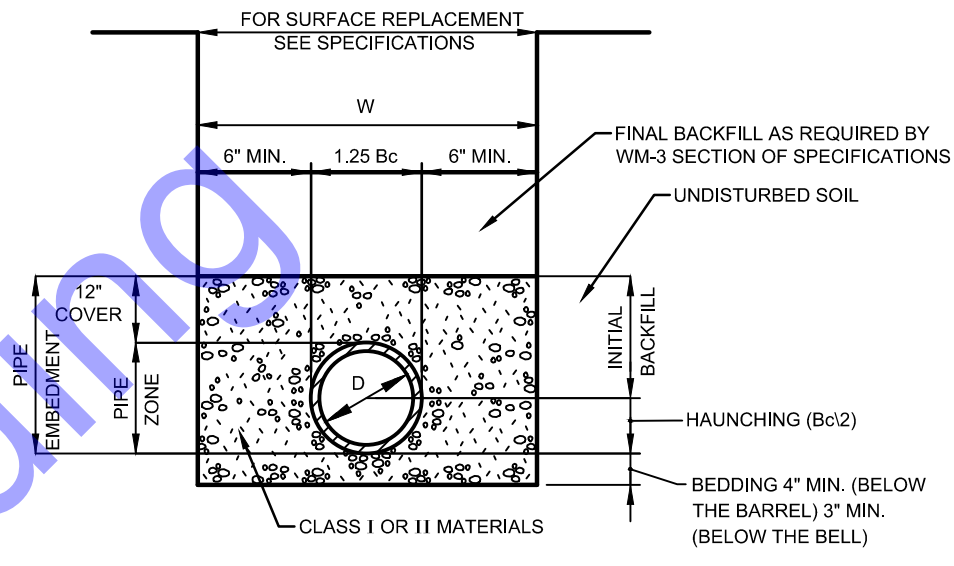
AIR RELEASE VALVE



W = MINIMUM ALLOWABLE TRENCH WIDTH FOR PIPE AS PER ASTM D2321
D = PIPE DIAMETER (INTERNAL)
Bc = PIPE DIAMETER (EXTERNAL)

TRENCH DETAIL FOR RIGID CONDUITS

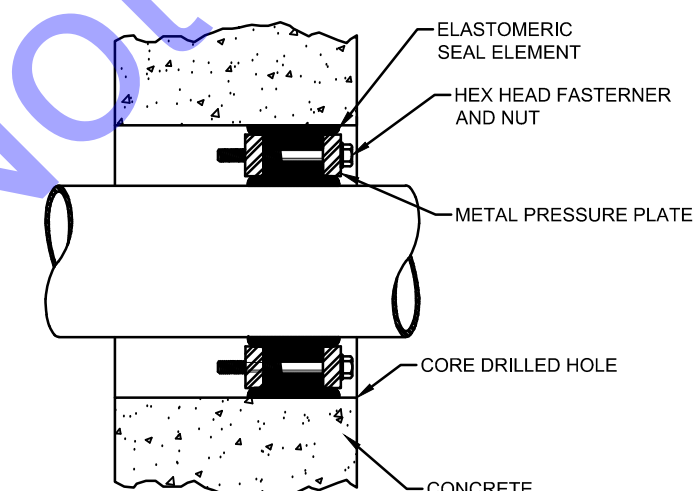
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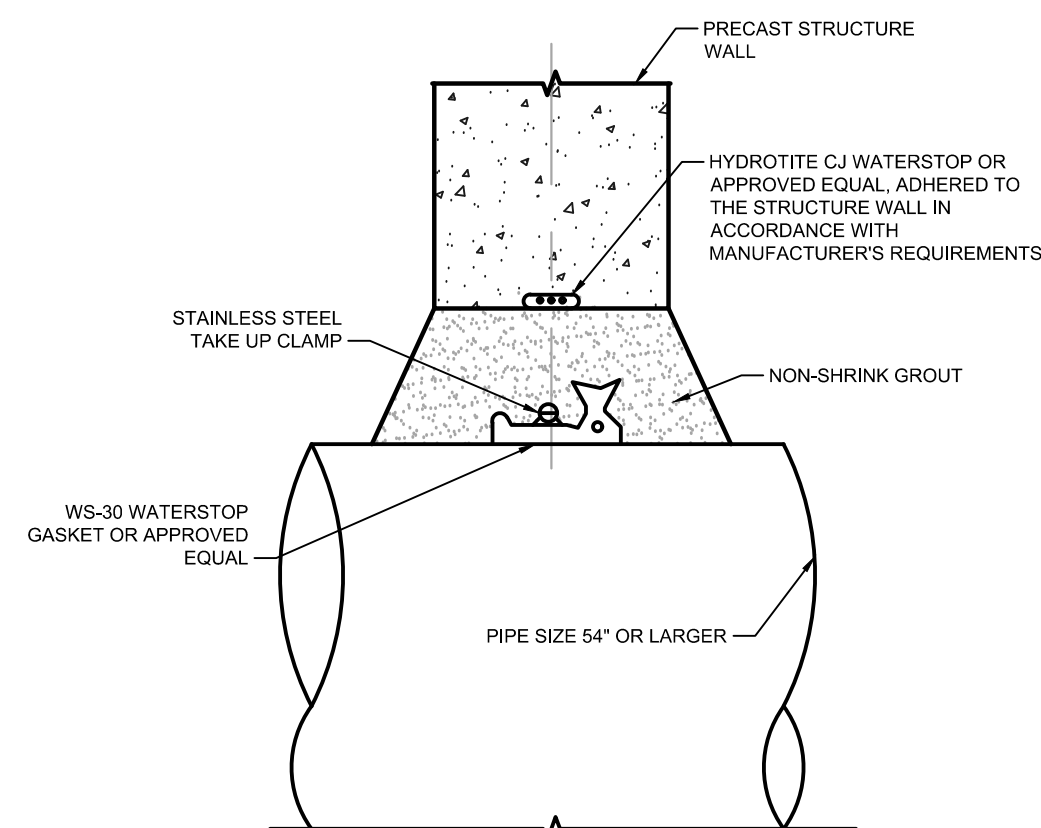
W = MAXIMUM ALLOWABLE TRENCH WIDTH FOR PIPE AS PER ASTM NOT TO EXCEED
FOUR (4) FEET FOR 6" THROUGH 24" PIPE NOR SIX (6) FEET FOR 27" THROUGH
48" PIPE
D = PIPE DIAMETER (INTERNAL)
Bc = PIPE DIAMETER (EXTERNAL)

TRENCH DETAIL FOR FLEXIBLE CONDUITS

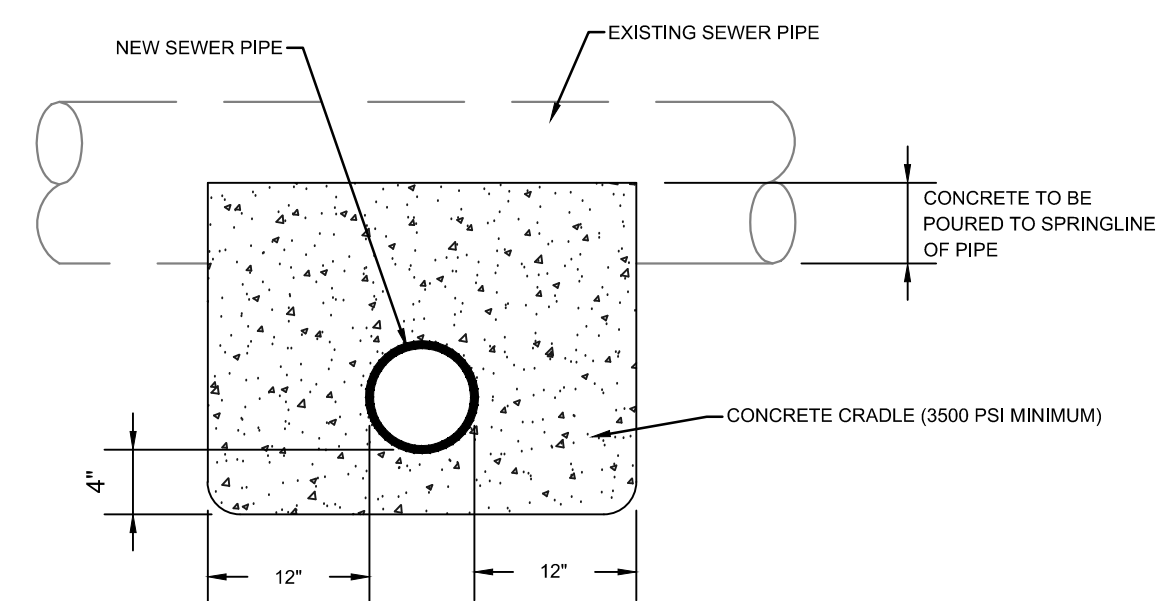
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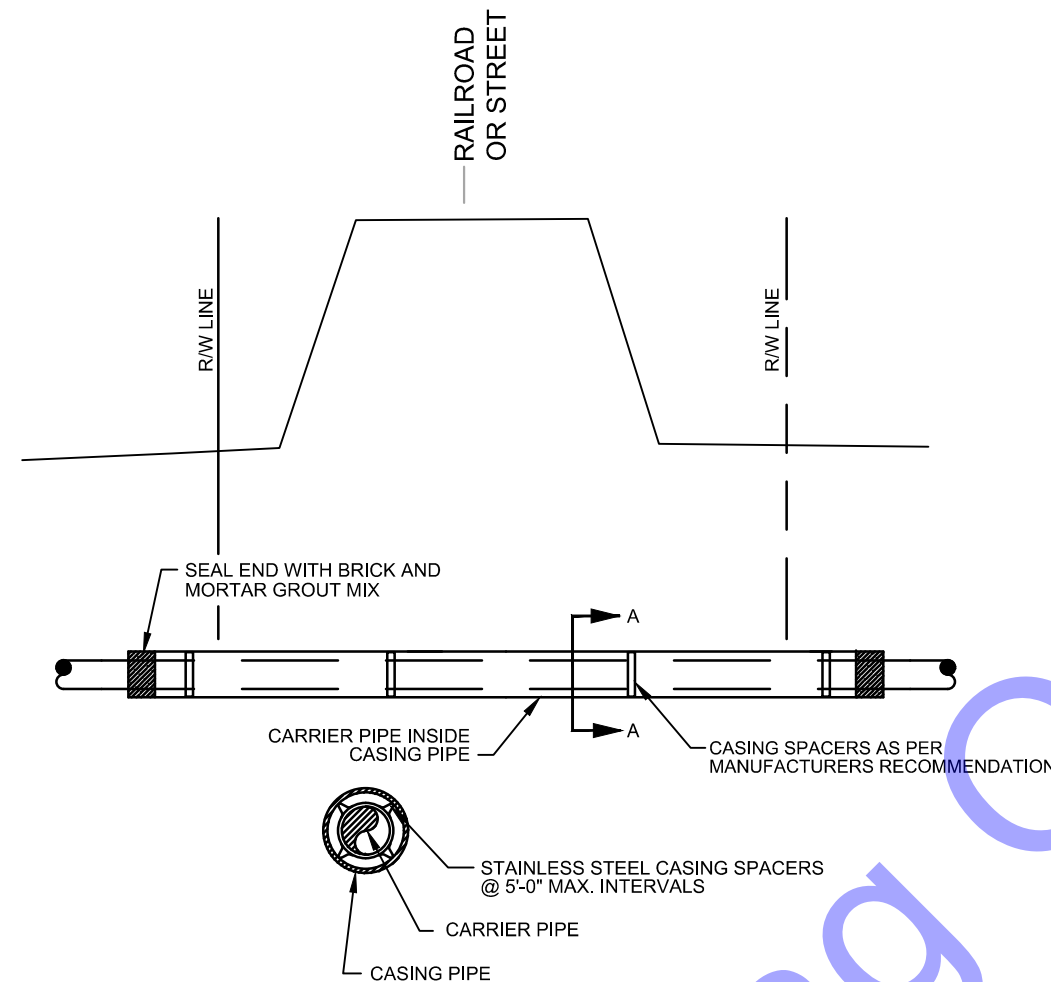
CORE DRILL/WATERTIGHT DETAIL



GROUTING RING DETAIL

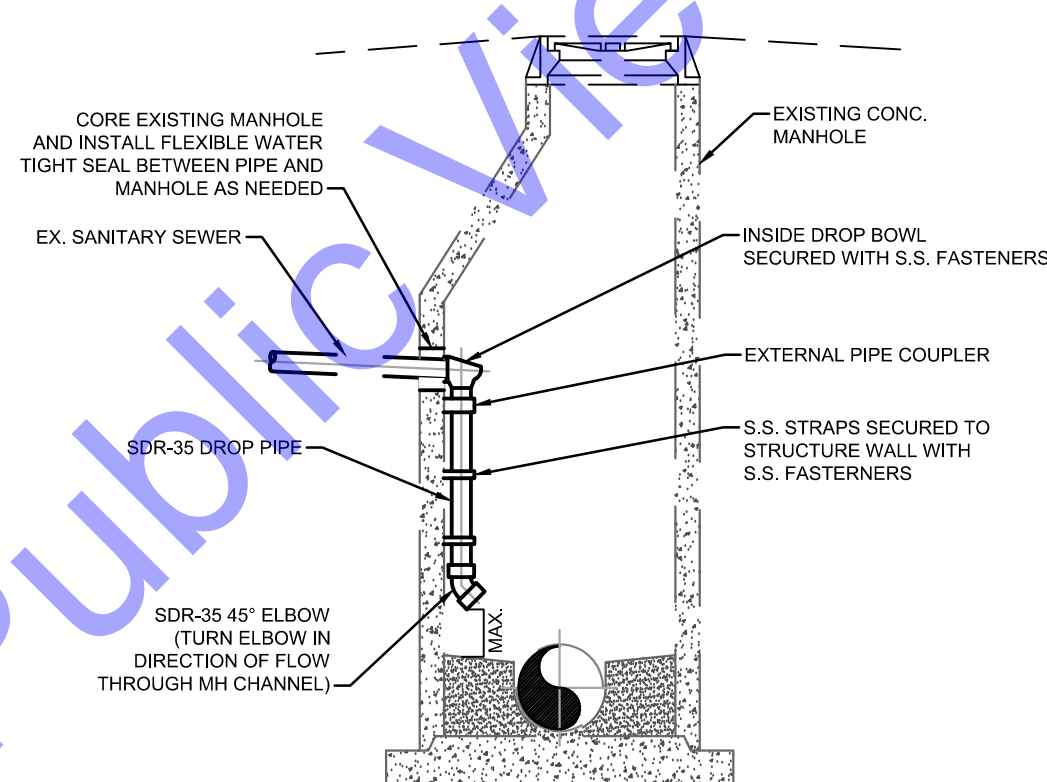


CONCRETE CRADLE DETAIL

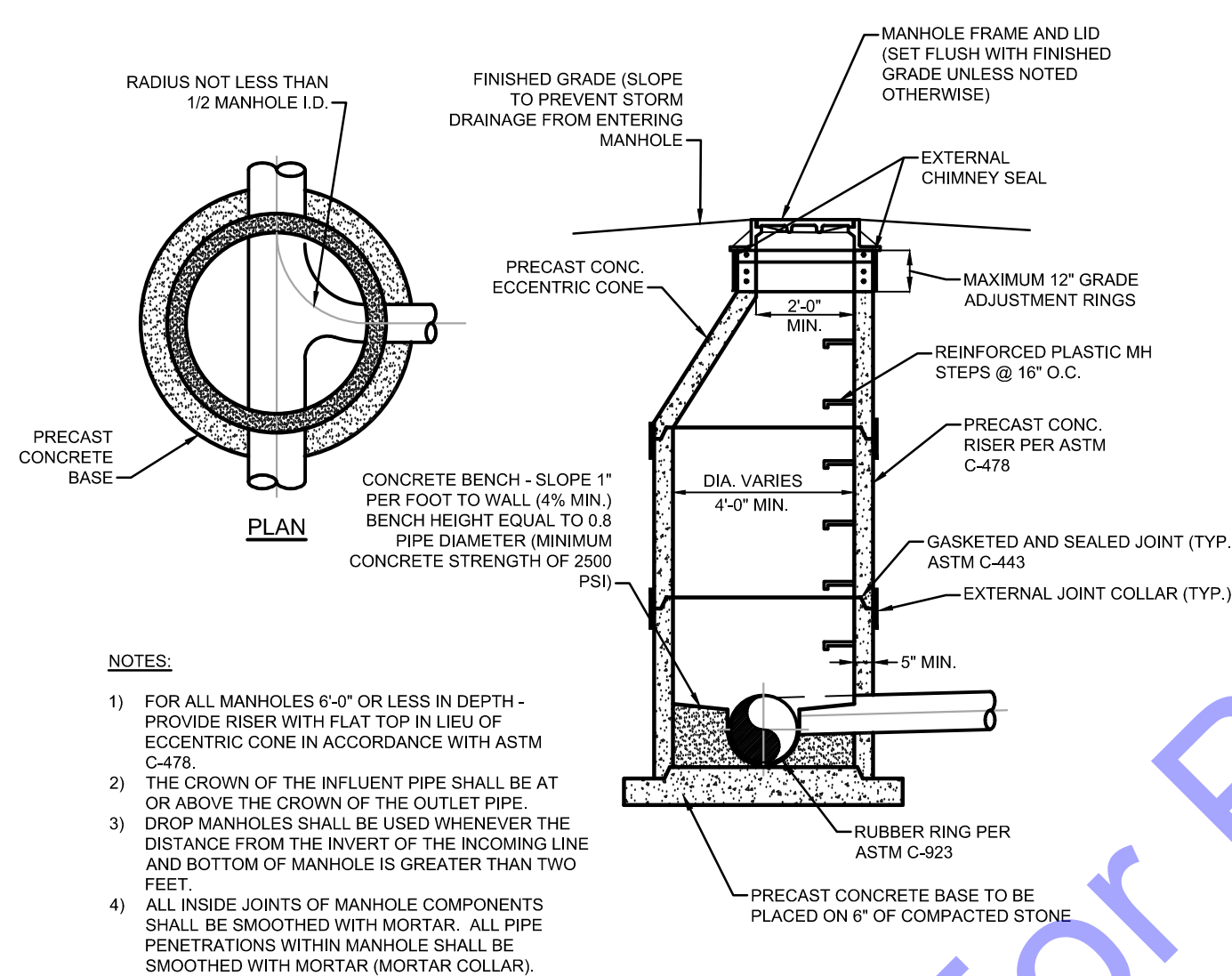


SECTION A

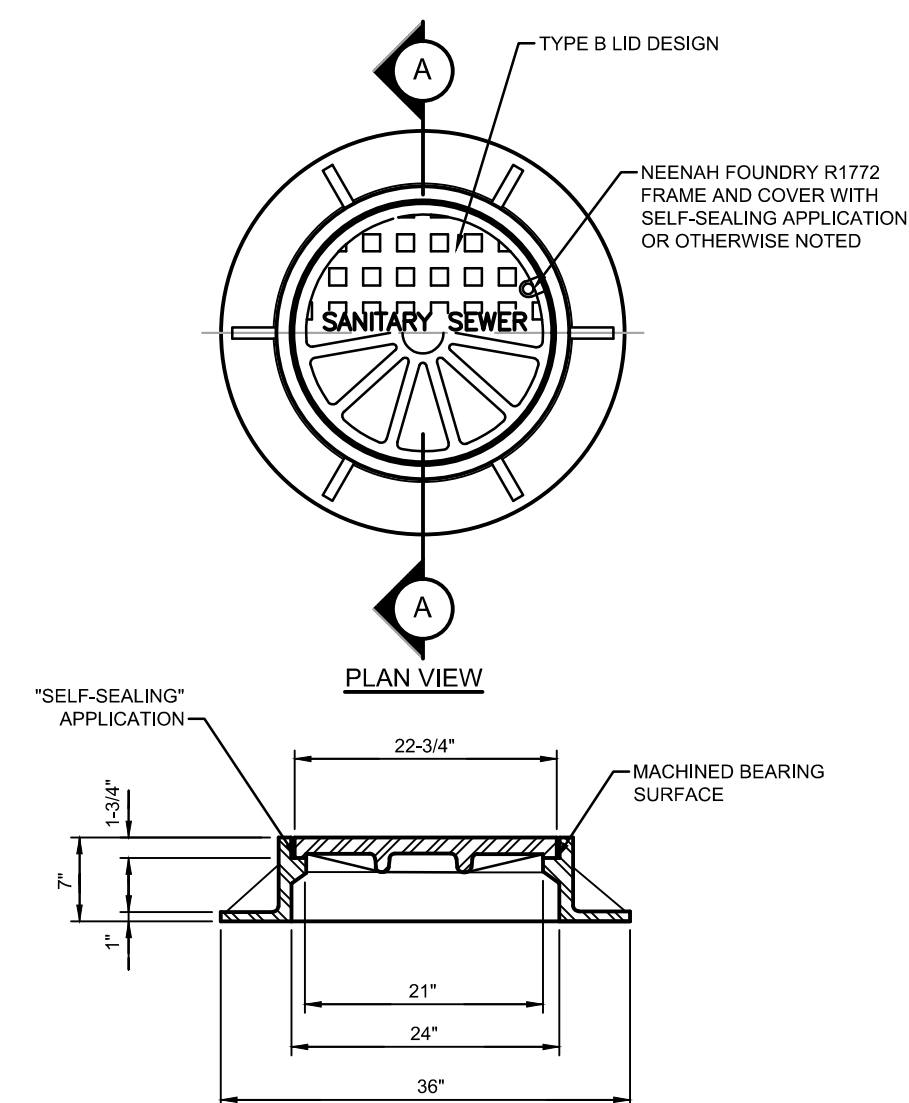
JACK AND BORE DETAIL



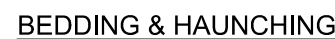
INSIDE DROP INTO EXISTING MANHOLE



STANDARD MANHOLE DETAIL



SANITARY SEWER MANHOLE
FRAME AND COVER - STANDARD MANHOLE
NO SCALE



NOTES:

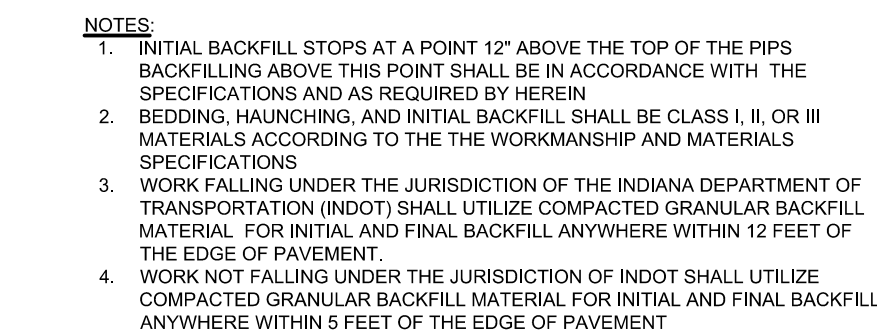
- | | | | |
|----|--|----|--|
| 1. | FOR TEE WITH BRANCH UNEQUAL TO RUN USE TEE TYPE KICKER WITH D, L, AND W DIMENSIONS THE SAME AS THOSE FOR PLUG WITH SAME DIAMETER AS BRANCH OF TEE. SELECT "T" DIMENSIONS FROM TEE TABLE UNDER COLUMN HEADED BY THE SIZE OF THE BRANCH. | 2. | IF EXACT SIZE PIPE BLOCKING IS NOT SHOWN USE NEXT LARGER SIZE. |
| | | 3. | DEPTH "D" MAY BE GREATER THAN SPECIFIED TO ALLOW WORKING SPACE. BLOCKING MUST BE PLACED AGAINST UNDISTURBED EARTH OR ROCK. |
| | | 4. | CONCRETE BLOCKING SHALL BE CLASS "B". |



REDUCERS	
8" x 6"	12" x 8"
35'	63'

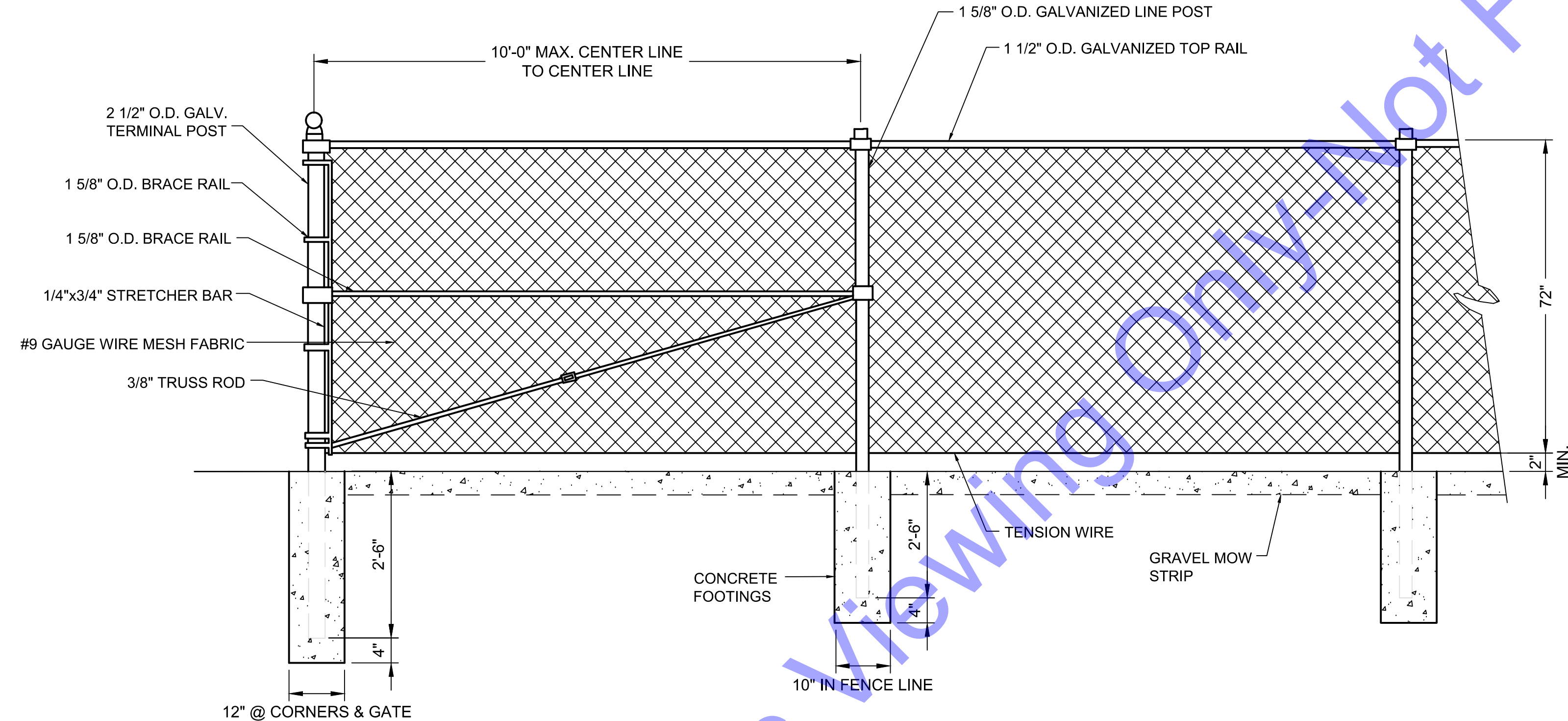
RESTRAINED JOINT REQUIREMENTS

NOTE:
ALL JOINTS WITHIN THE ABOVE
DISTANCES SHALL BE
RESTORED IN ACCORDANCE
WITH SPECIFICATIONS

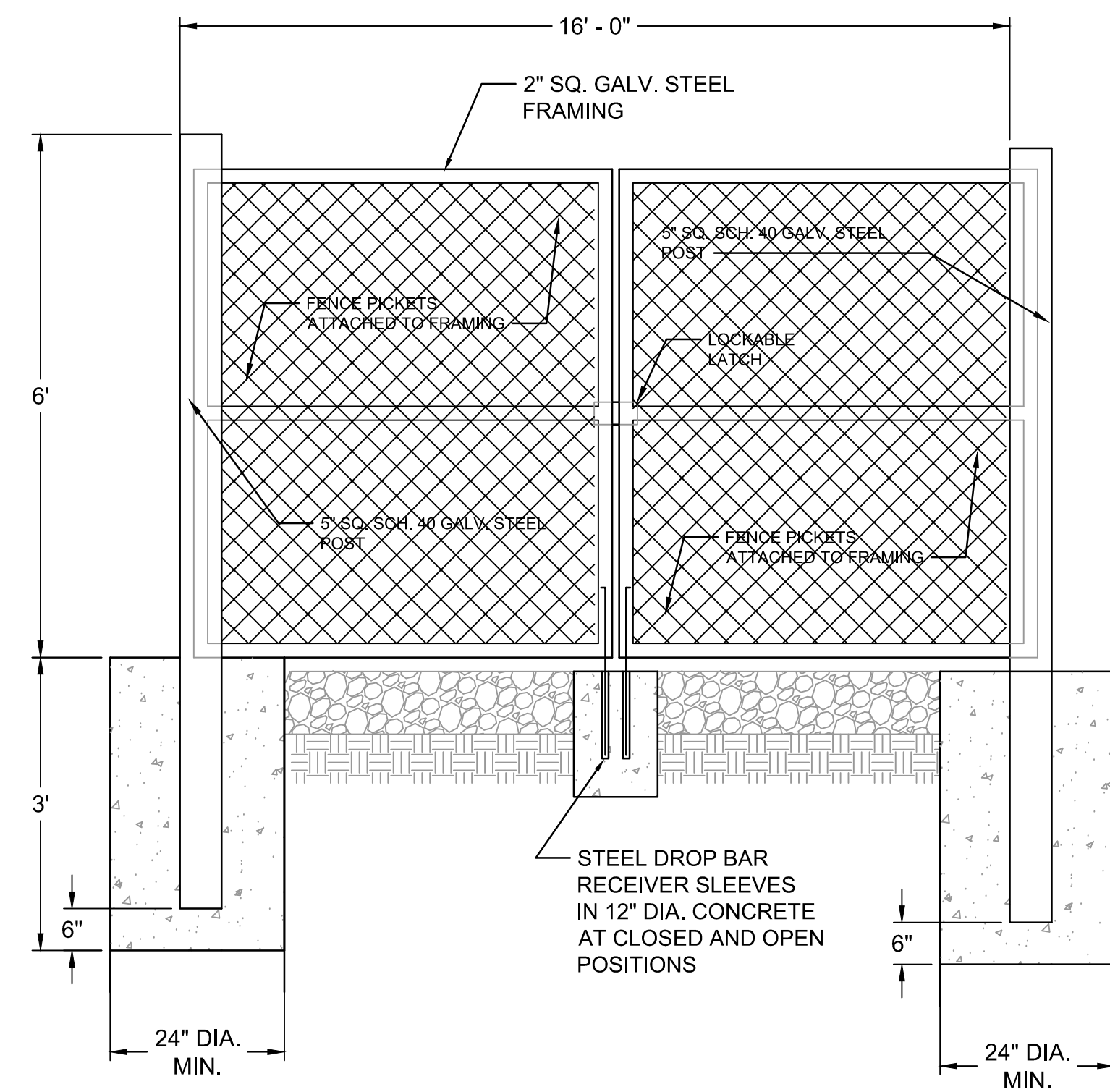


TRENCH DETAIL FOR WATER MAIN
NO SCALE

[illegible]



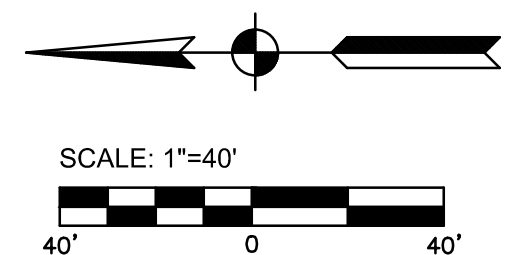
PROPERTY CHAIN LINK FENCE DETAIL
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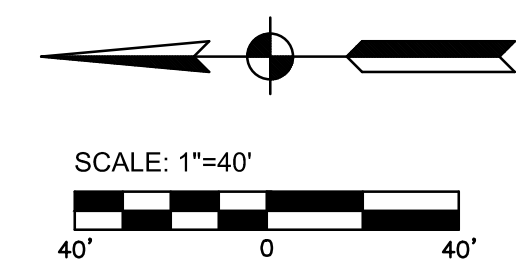
PROPERTY 16' DOUBLE SWING GATE DETAIL
NO SCALE



CONTINUATION (SEE DWG. EC2)

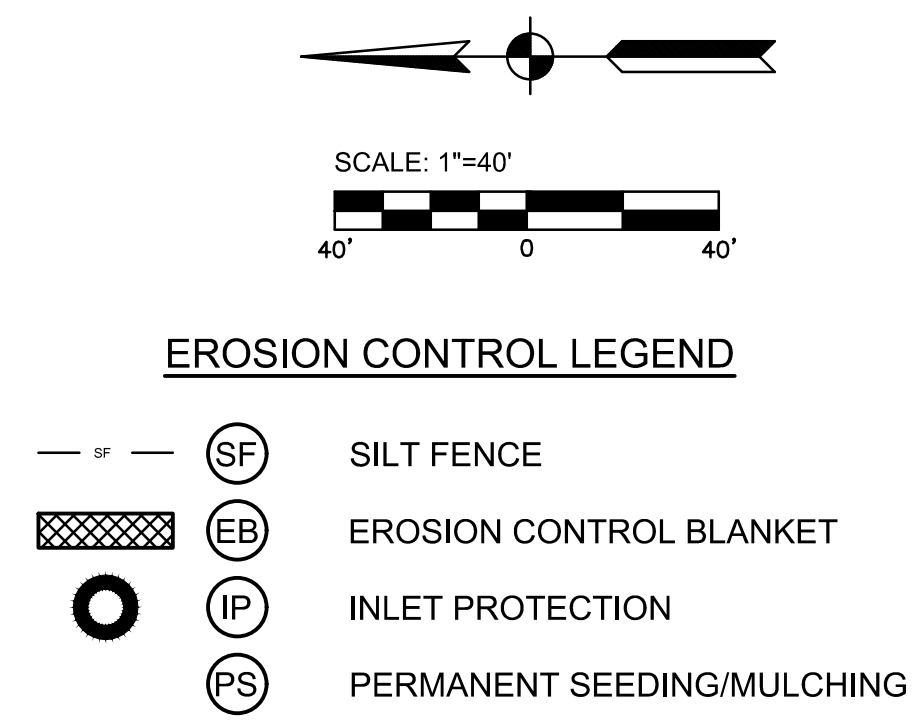


	(SF)	SILT FENCE
	(EB)	EROSION CONTROL BLANKET
	(IP)	INLET PROTECTION
	(PS)	PERMANENT SEEDING/MULCHING

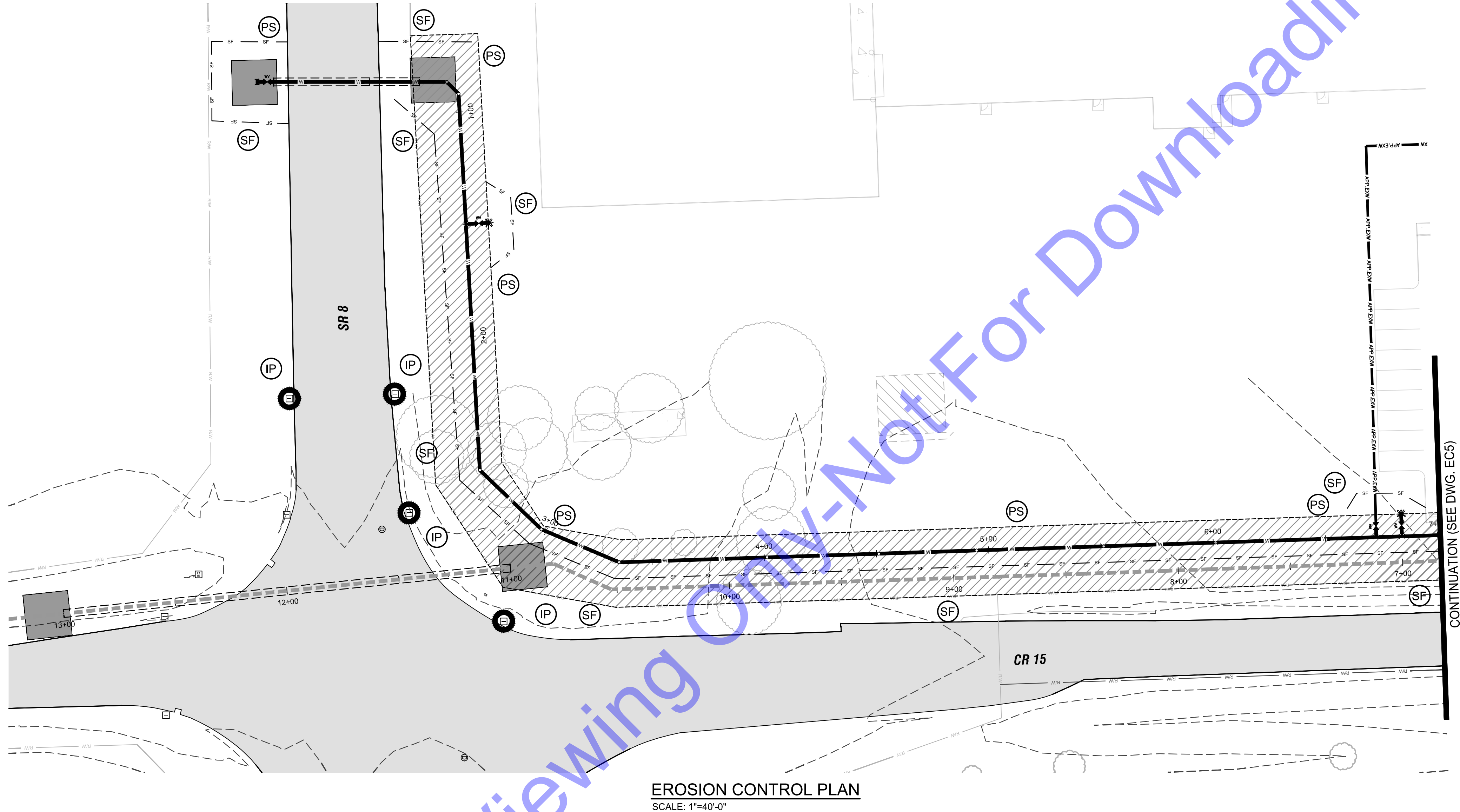


	(SF)	SILT FENCE
	(EB)	EROSION CONTROL BLANKET
	(IP)	INLET PROTECTION
	(PS)	PERMANENT SEEDING/MULCHING

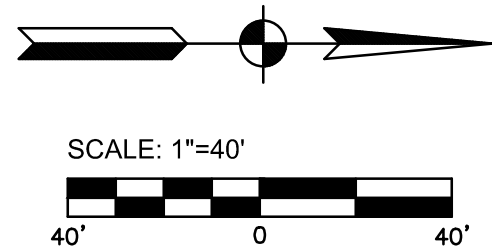
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No. Submitted / Revision	Date
Designed By:	Drawn By:
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Issue Date: 6/2025	Project No: S24214
Checked By: NS	Scale: AS SHOWN
EROSION CONTROL PLAN	
Drawing No: EC2	
Sheet:	18 OF 26



File: Z:\SHARED\IN CLIENTS A-L\GARRETT\J24214 - SR 8 -CR 15 HOLLMAN PROJECT\06 CAD\A CURRENT FILES\1 DRAWINGS\07 - J24214 - EROSION CONTROL.DWG
Saved: 6/19/2025 1:43:06 PM Plotted: 6/30/2025 9:06:09 AM Current User: Craig Higbie LastSavedBy: chigbie



EROSION CONTROL PLAN
SCALE: 1"=40'-0"



EROSION CONTROL LEGEND

- SF — (SF) SILT FENCE
- ▨ (EB) EROSION CONTROL BLANKET
- (IP) INLET PROTECTION
- (PS) PERMANENT SEEDING/MULCHING

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Benjamin H. Adams
Signature Date 6/6/2025

**CITY OF GARRETT, IN
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SR 8-CR 15
SANITARY SEWER AND WATER MAIN
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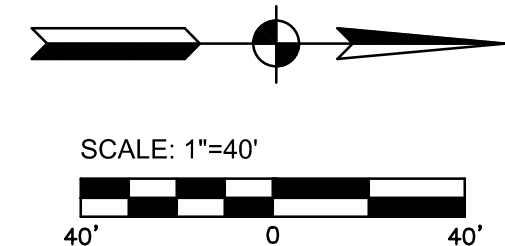
No.	Submitted / Revision	By	Date

Designed By: BA/BW	Drawn By: CH	Checked By: NS
Issue Date: 6/2025	Project No: S24214	Scale: AS SHOWN

EROSION CONTROL PLAN

Drawing No:
EC4

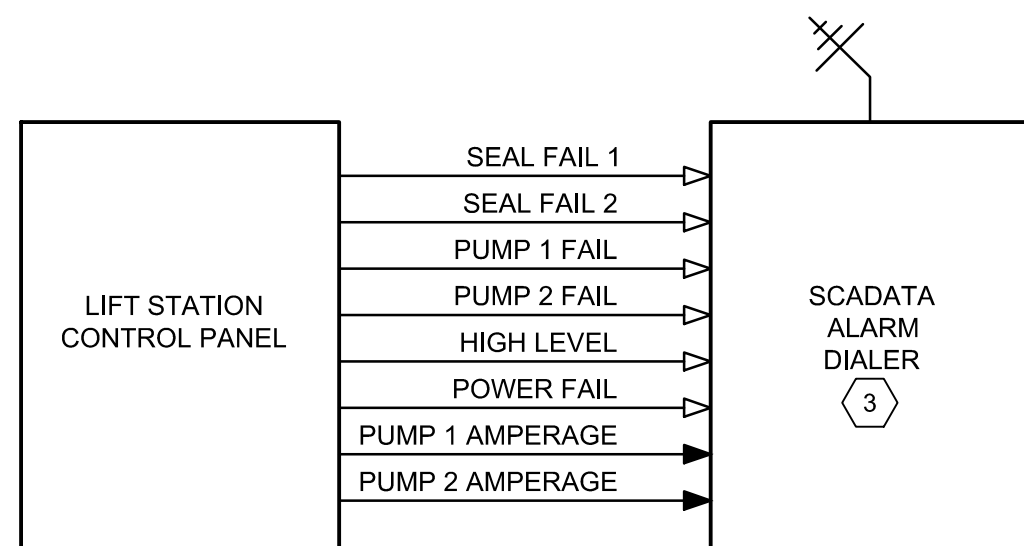
Sheet: 20 OF 26



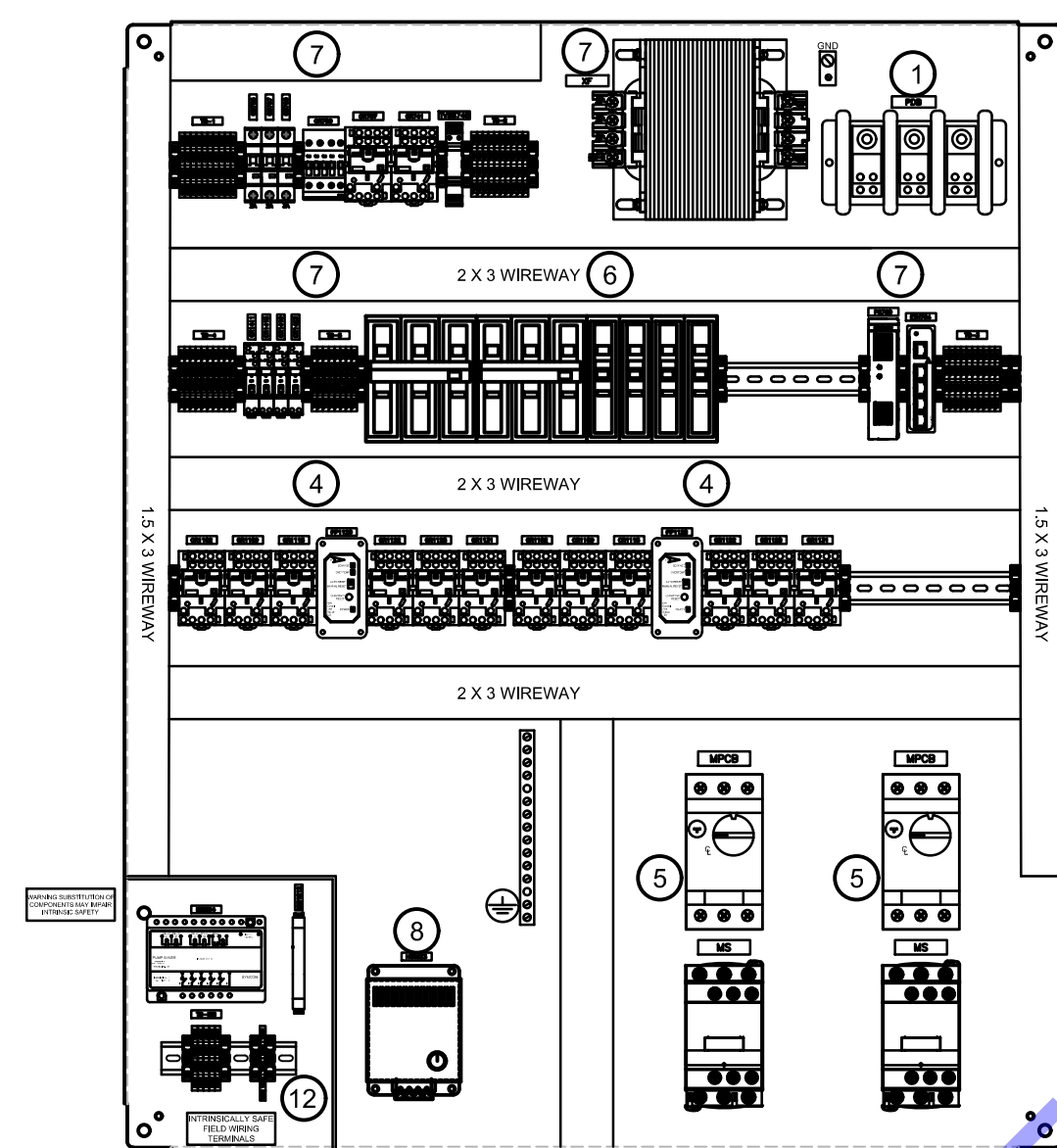
	(SF)	SILT FENCE
	(EB)	EROSION CONTROL BLANKET
	(IP)	INLET PROTECTION
	(PS)	PERMANENT SEEDING/MULCHING

#

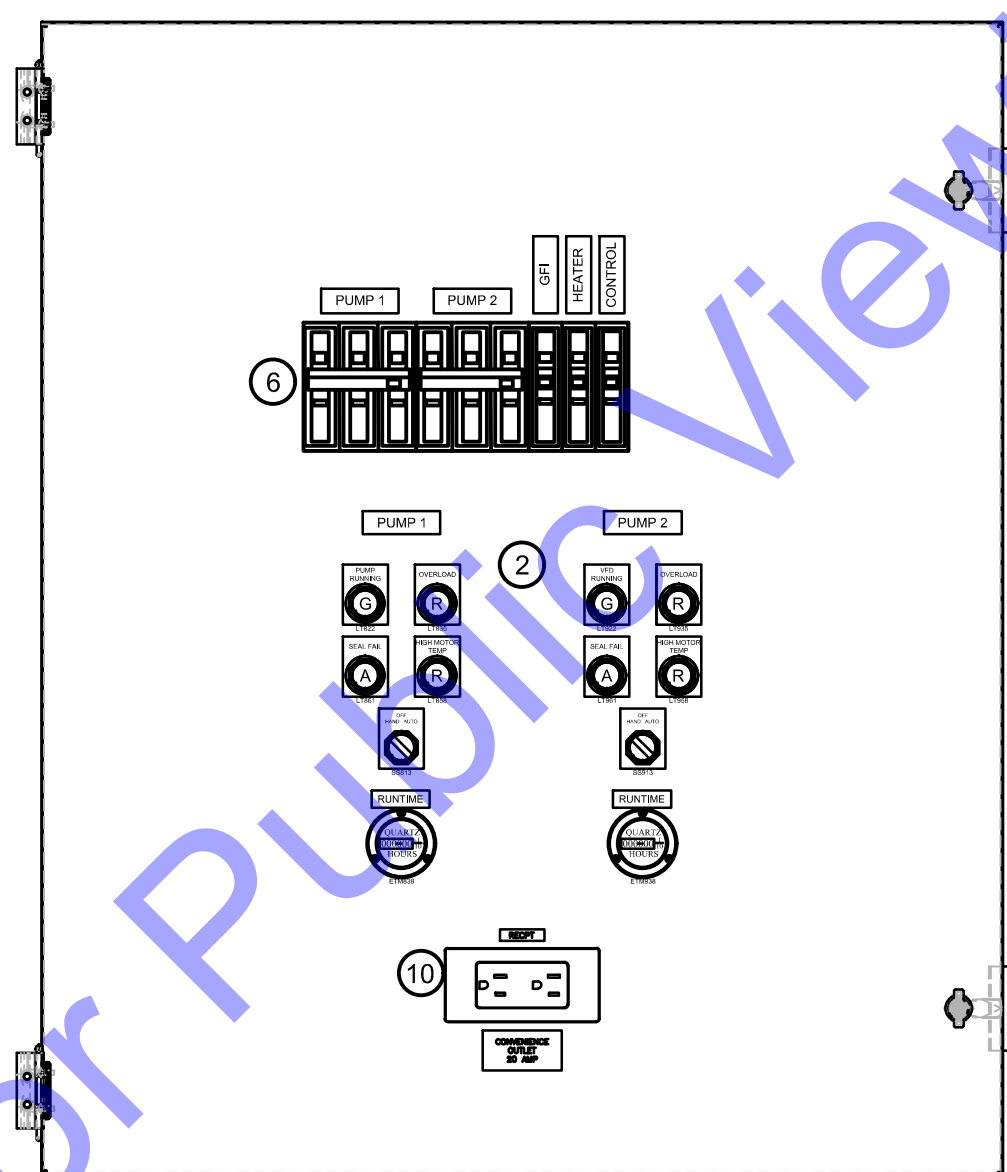
ITEM#	DESCRIPTION
①	ILSCO (OR EQUAL) POWER DISTRIBUTION BLOCK.
②	PILOT DEVICES (TYPICAL FOR EACH PUMP): VFD RUNNING LIGHT, OVERLOAD LIGHT, SEAL FAIL LIGHT, HIGH MOTOR TEMP LIGHT, VFD FAULT LIGHT, VFD FAULT RESET PUSHBUTTON, HOA SWITCH, AND ELAPSED TIME METER. PILOT DEVICES TO BE MOUNTED ON PANEL DEAD DEAD FRONT.
③	NEMA 4 ALARM LIGHT WITH INTEGRAL BUZZER AND ALARM ACKNOWLEDGE PUSHBUTTON LOCATED ON SIDE OF PANEL.
④	ALTERNATING RELAYS AND CONTROL RELAYS AS REQUIRED.
⑤	ACROSS THE LINE MOTOR STARTERS, SIZED AS REQUIRED FOR THE LOAD.
⑥	ISOLATION CIRCUIT BREAKERS WITH LOCKOUT/TAGOUT CAPABILITY. BREAKER ACCESSIBLE THROUGH DEAD FRONT.
⑦	MISCELLANEOUS COMPONENTS INCLUDING BUT NOT LIMITED TO PILOT RELAYS, TERMINAL BLOCKS, CIRCUIT BREAKERS, CONTROL TRANSFORMER, POWER SUPPLIES, ETHERNET SWITCH, ETC. TO PROVIDE FOR A COMPLETE AND FUNCTIONING CONTROL PANEL.
⑧	HEATER WITH INTEGRAL THERMOSTAT.
⑨	3 POINT LATCHING SYSTEM ON ON PANEL DOOR (CLAMPS NOT ACCEPTABLE).
⑩	PROVIDE AND MOUNT TO PANEL DEAD FRONT A 20A RATED CONVENIENT OUTLET.
⑪	EMERGENCY RECEPTACLE WITH ANGLE ADAPTER. COORDINATE WITH OWNER FOR EXACT PART NUMBER BEFORE ORDERING.
⑫	PROVIDE INTRINSICALLY SAFE BARRIERS FOR FLOATS.



LIFT STATION ALARM DIALER DETAIL



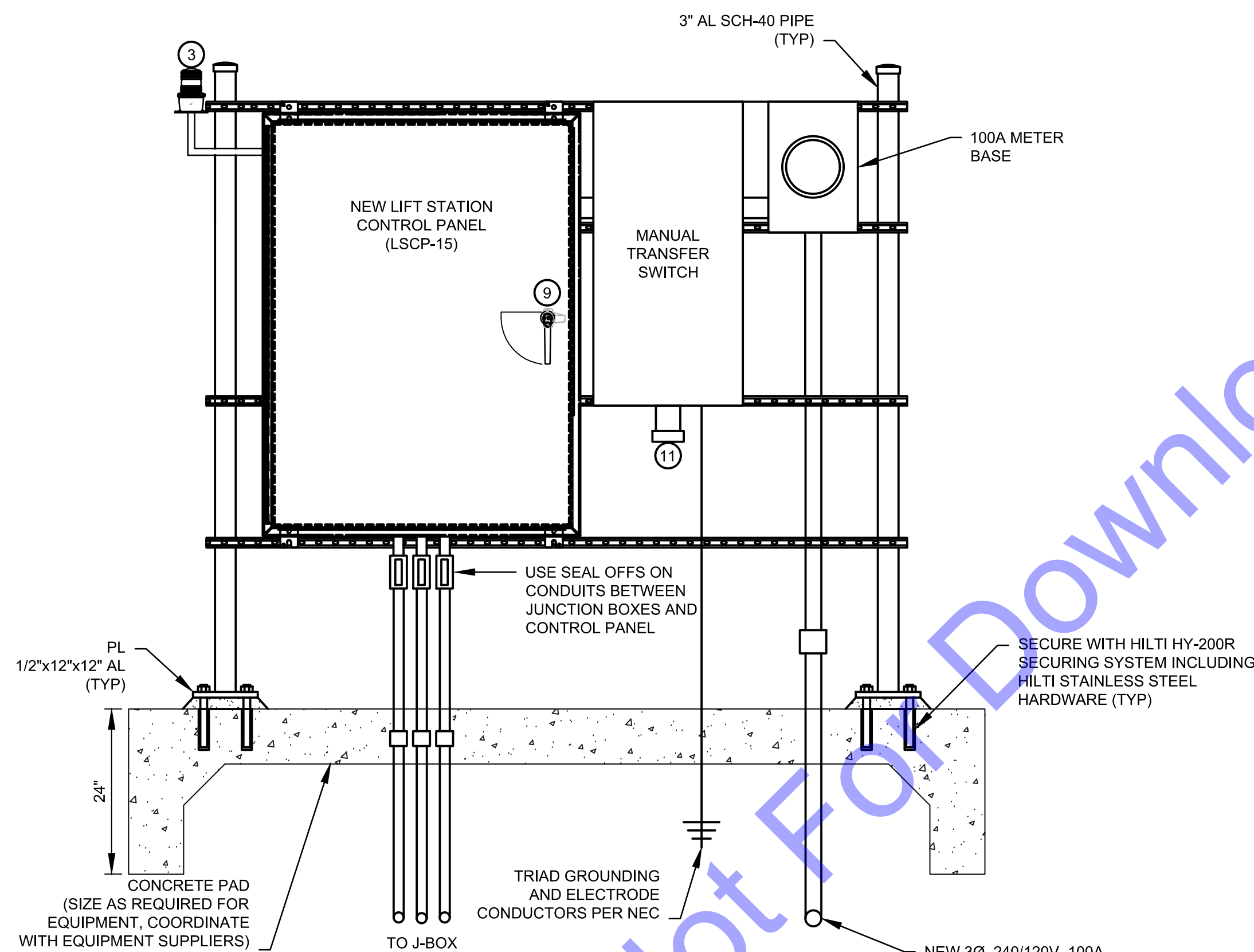
INTERIOR



DEADFRONT



SCALE: NTS

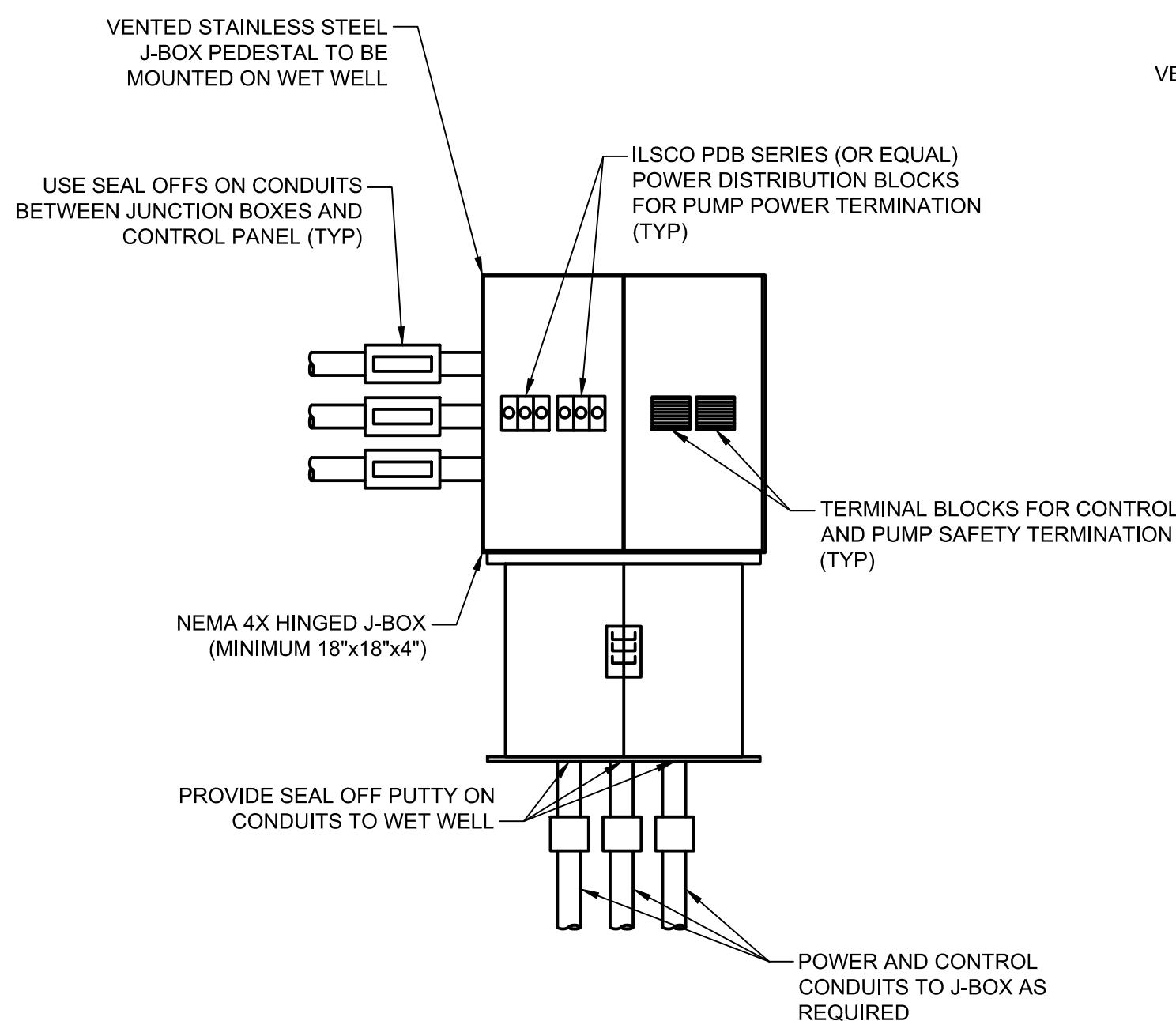


ELECTRICAL PANEL MOUNTING DETAILS

NOT TO SCALE

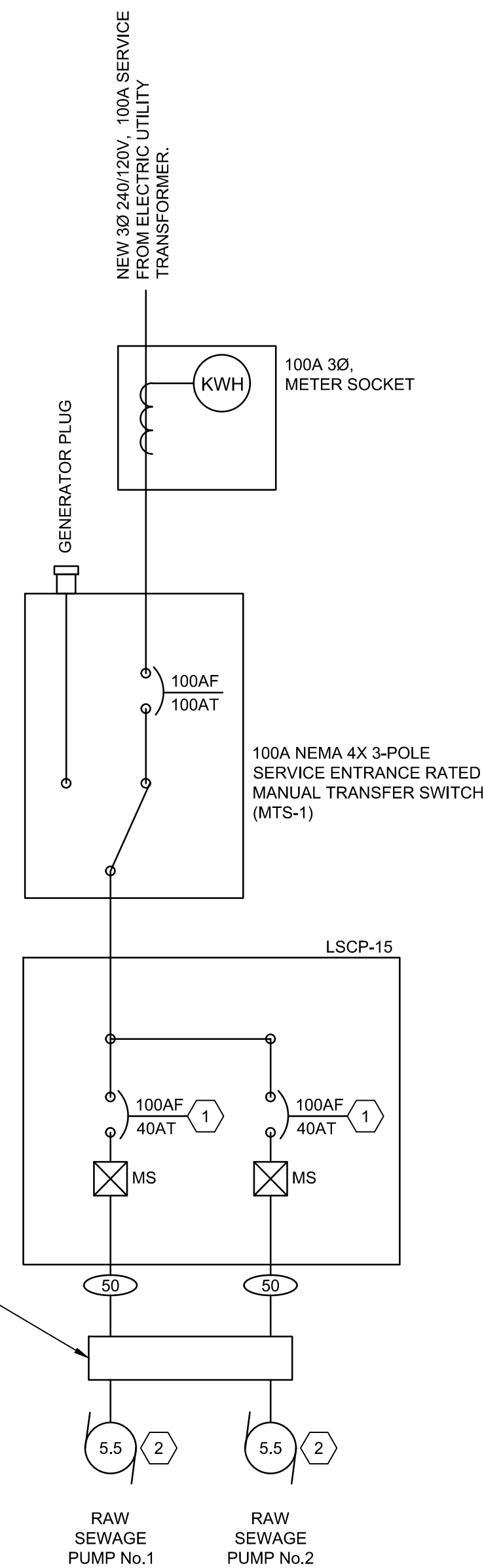
NOTES:

1. SIZE NEMA 4X CONTROL PANEL AS REQUIRED.
2. CONTROL PANEL SHALL BE CONSTRUCTED TO UL STANDARDS IN A UL PANEL SHOP. CONTROL PANEL SHALL BE UL LISTED.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE ELECTRIC UTILITY TO PROVIDE POWER SERVICE TO THE NEW LIFT STATION. PROVIDE CONDUIT, WIRE, METER BASE, ETC. TO PROVIDE POWER COMPLETE TO THE LIFT STATION.
4. CONTRACTOR TO PROVIDE METER BASE PER ELECTRIC UTILITY METER BASE REQUIREMENTS.
5. ALL COSTS ASSOCIATED WITH PROVIDING POWER TO THE LIFT STATION SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE.
6. PILOT DEVICES, ELAPSED TIME METERS, AND TOUCH SCREEN SHALL BE MOUNTED ON THE PANEL DEAD FRONT.
7. PROVIDE RADAR LEVEL SENSOR CONTROL WITH FLOAT BACKUP.



VENTILATED JUNCTION BOX INTERIOR DETAIL

Load Wiring Schedule		
Type #:	Copper Wire Quantity and Wire Size	Conduit
20	3 #12's & #12 Ground	3/4"
30	3 #10's & #10 Ground	3/4"
50	3 #8's & #10 Ground	3/4"
60	3 #6's & #8 Ground	3/4"
80	3 #4's & #8 Ground	1"
100	3 #2's & #6 Ground	1.5"
125	3#1's & #6 Ground	1.5"
150	3 - 2/0's & #6 Ground	2"
200	3 - 4/0's & #4 Ground	2.5"
250	3 - 300's & #4 Ground	3"

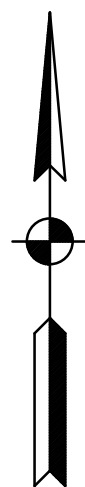


ONE LINE DIAGRAM

SCALE: NTS

PLAN NOTES:

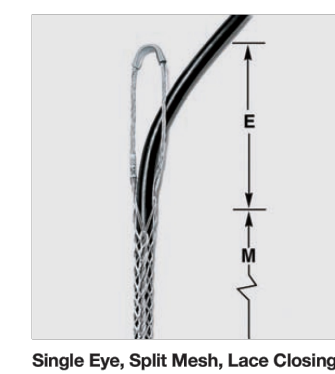
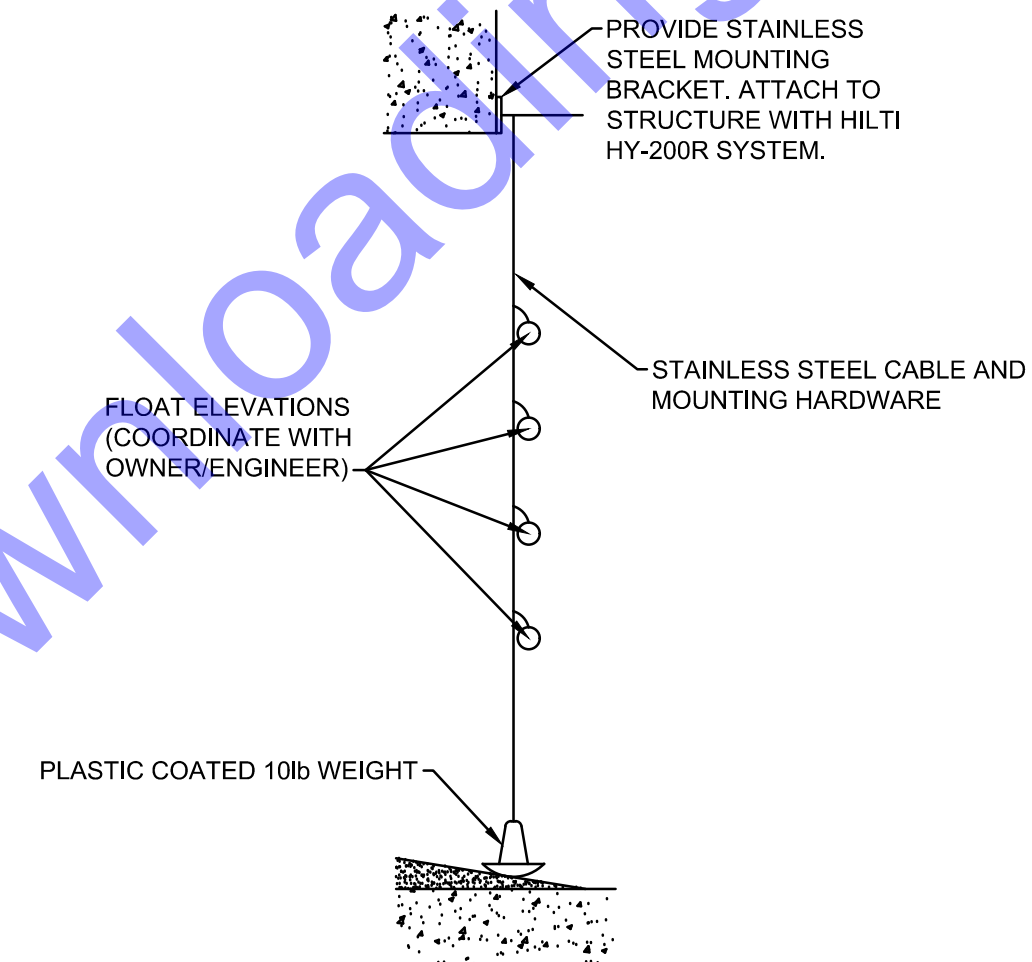
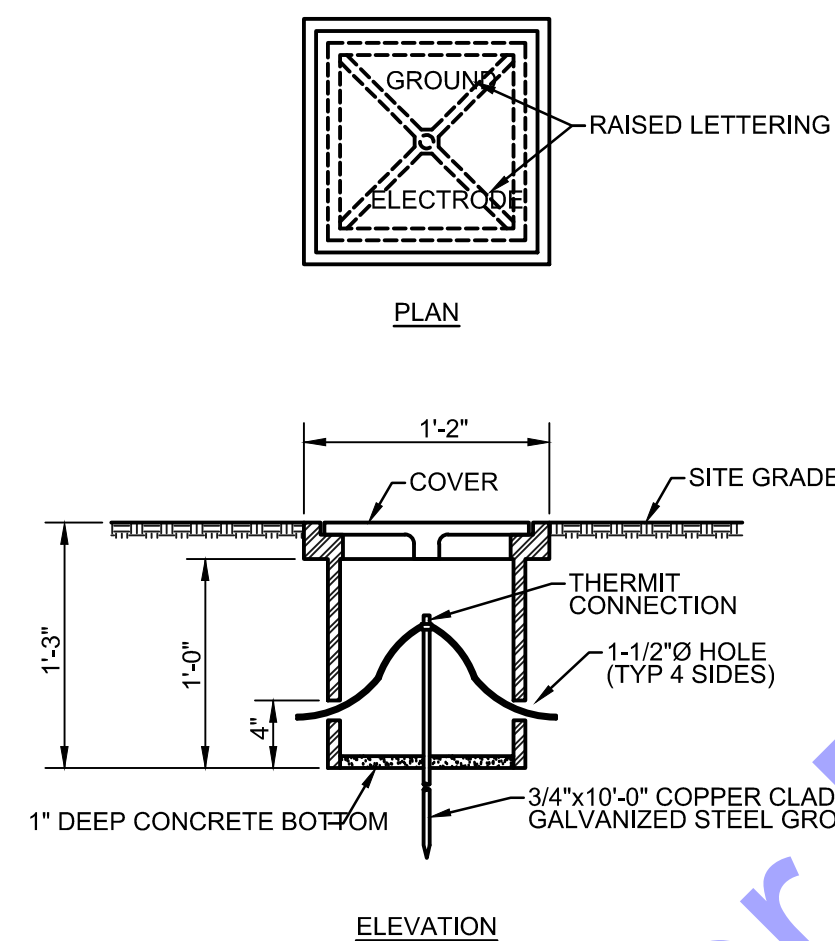
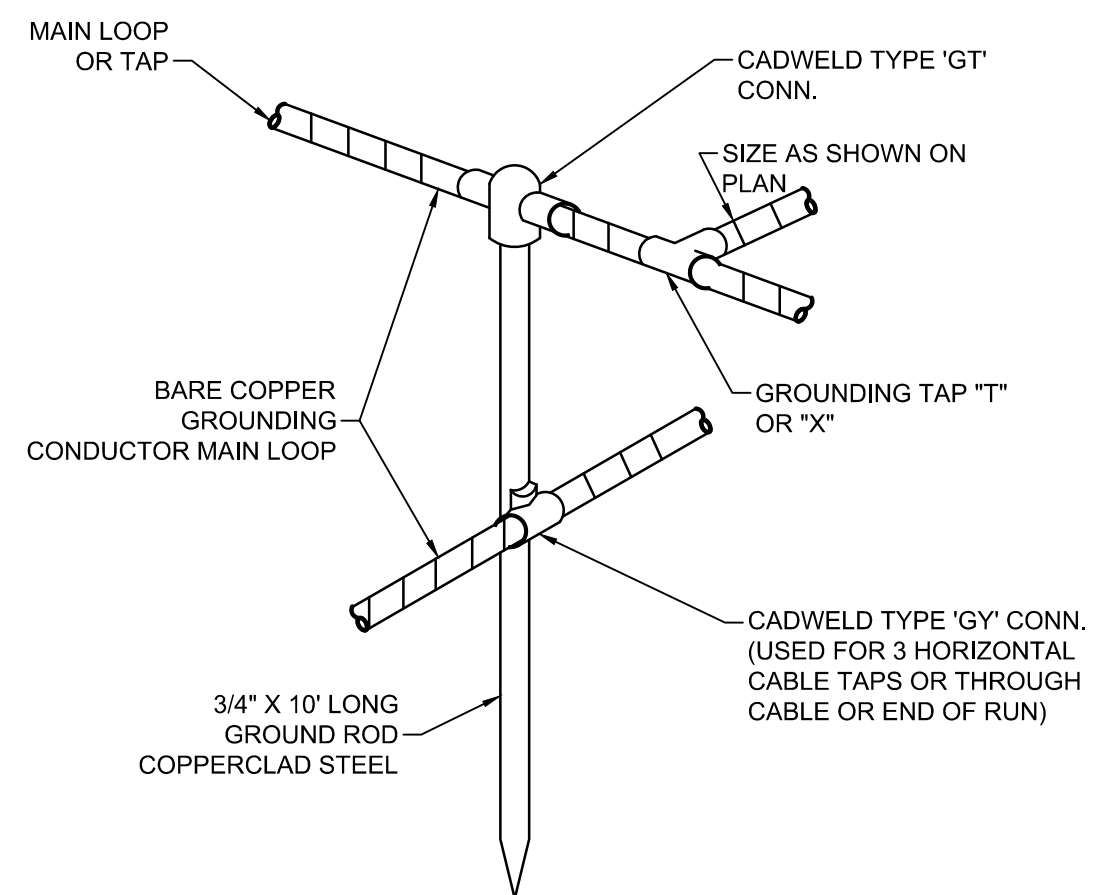
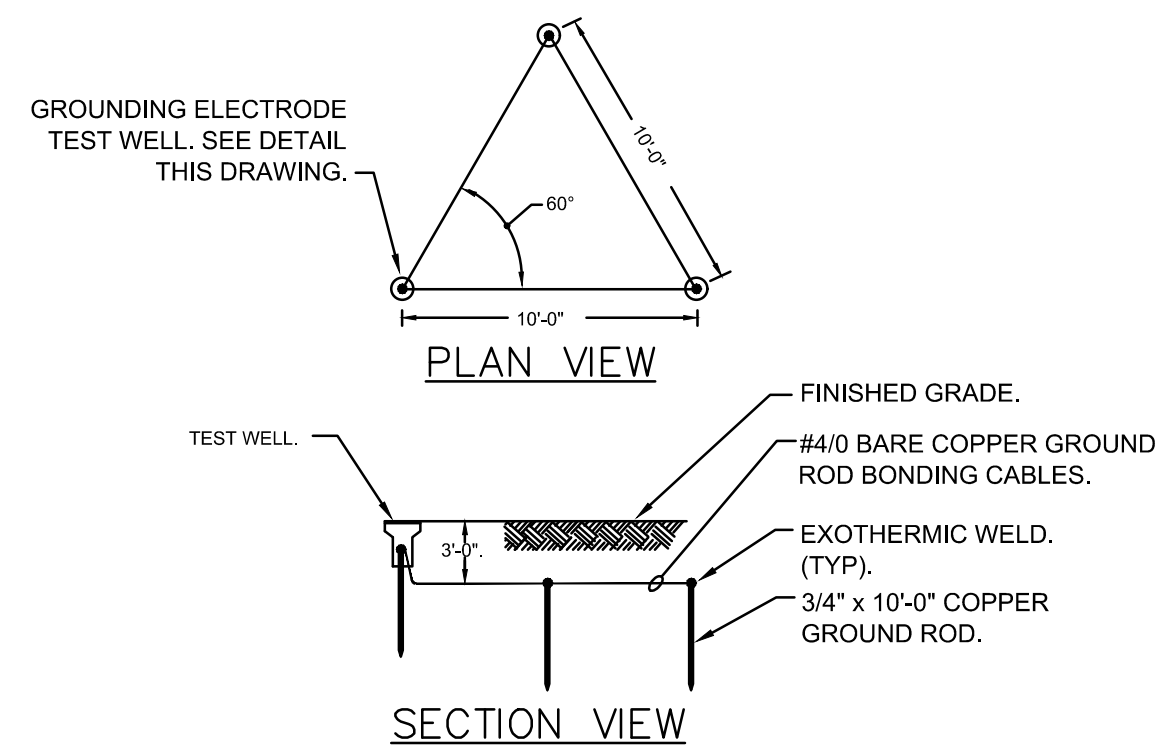
- 1 COORDINATE WITH THE CONTRACTOR AND EQUIPMENT SUPPLIERS WHEN SELECTING THE CIRCUIT BREAKER SIZES TO ENSURE NEW CIRCUIT BREAKERS ARE PROPERLY SIZED.
- 2 WIRE PUMP SAFETIES AND LEVEL CONTROLS AS REQUIRED. COORDINATE WITH CONTRACTOR DURING BIDDING AND CONSTRUCTION. INTEGRATE PUMP SAFETY RELAYS INTO CONTROL PANEL AS REQUIRED BY PUMP MANUFACTURER.
- 3 THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE SCADA ALARM DIALER COMPLETE INCLUDING ALL CONDUIT, WIRE, AND TERMINATIONS. CONTRACTOR SHALL INSTALL ANTENNA AND ANTENNA CABLE.



SCALE: 1"=10'-0"

0 10' 20'

1. THE PUMP STATION WETWELL IS CLASSIFIED AS CLASS 1, DIVISION 1, GROUP C AND D AREAS PER NFPA 820. THE CLASS 1, DIVISION 1 AREA EXTENDS TO 18" ABOVE THE PUMP STATION TOP SLAB AND EXTENDS 3' BEYOND ALL SIDES. ANY EQUIPMENT LOCATED WITHIN THE CLASSIFIED AREA SHALL BE UL LISTED FOR THAT AREA. ALL WIRING METHODS SHALL CONFORM TO THE REQUIREMENTS OF NEC.
2. THE PUMP STATION VALVE VAULT AND METER VAULT ARE CLASSIFIED AS CLASS 1, DIVISION 2, GROUP C AND D AREAS PER NFPA 820. THE CLASS 1, DIVISION 1 AREAS EXTENDS TO 18" ABOVE THE TOP SLAB AND EXTENDS 3' BEYOND ALL SIDES. ANY EQUIPMENT LOCATED WITHIN THE CLASSIFIED AREA SHALL BE UL LISTED FOR THAT AREA. ALL WIRING METHODS SHALL CONFORM TO THE REQUIREMENTS OF NEC.
3. ALL CONDUITS ENTERING HAZARDOUS LOCATIONS, AS NOTED IN PRECEDING NOTES, SHALL HAVE SEAL FITTINGS BEFORE ENTRANCE INTO AREA. CONDUITS LEAVING HAZARDOUS LOCATIONS SHALL HAVE SEAL FITTINGS AFTER LEAVING THE HAZARDOUS AREA.
4. ALL EXPOSED CONDUITS SHALL BE ALUMINUM ONLY (NO EXCEPTIONS).
5. ALL CONDUITS AT THE WETWELL ARE TO BE ROUTED THROUGH THE WETWELL SIDEWALL OR TOP SLAB IN A NON-OBSTRUCTIVE MANNER TO AVOID HAZARD. DO NOT ROUTE ANY EXPOSED CONDUITS WITHIN THE WETWELL AREA OR ON TOP OF THE WETWELL SLAB.
6. COORDINATE ALL ACTIVITIES ON SITE WITH LOCAL UTILITY.



Single Eye, Split Mesh, Lace Closing*
 For permanent support when cable end is not available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Number
.75" - .99" (1.90-2.51)	2,820 (12,543)	10" (25.40)	25" (63.50)	02207010
1.00" - 1.24" (2.54-3.15)	4,280 (19,037)	12" (30.48)	28" (71.12)	02207012
1.25" - 1.49" (3.17-3.78)	4,280 (19,037)	12" (30.48)	30" (76.20)	02207012
1.50" - 1.99" (3.81-5.05)	4,280 (19,037)	12" (30.48)	34" (86.36)	02207013

Note: E=Eye length.
 *Change cable length at nominal diameter.
 *Change cable length from 022 to 024 for stainless steel. Consult factory for availability.

