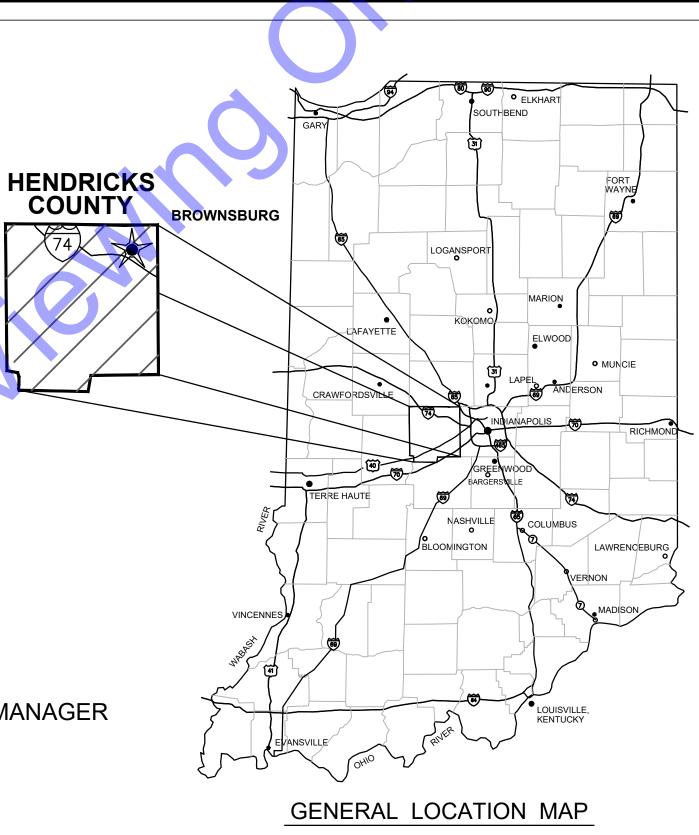
TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA

PROJECT #24-012-WW: LIFT STATION DRY PIT CONVERSIONS (CONTRACT 3) **MAY 2025**

TOWN COUNCIL

TRAVIS TSCHAENN	PRESIDENT
MATT SIMPSON	
BEN LACEY	MEMBER
GLENN ADAMS	.MEMBER
CINDY HOHMAN	MEMBER
DEB COOK	
SHAWN PABST	ASSISTANT TOWN MANAGER
ANN HATHAWAY	CLERK-TREASURER
AARON KAYTAR	CAPITAL PROJECTS AND PROCUREMENT MA
KATHY DILLON	WATER UTILITIES DIRECTOR
SCOTT KRAPF	TOWN ATTORNEY

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QA/QC BY : _ANDREW C. COCHRANE, P.E.

CERTIFIED B

SET NO

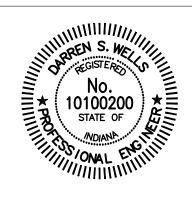




05-22-2025 DATE :

DARREN S. WELLS, P.E., BCEE, ENV SP INDIANA P.E. No. 10100200

05-22-2025 DATE :



CONTRACT NO. : S24211



ile: Z:/SHARED/IN CLIENTS AL/BROWNSBURG/D S24211 WASTEWATER PROJECTS 2024-25/06 CAD/A CURRENT FILES/1 DRAWINGS/LIFT STATION PROJECT/01-GENERAL SHEETS

UTILITY CONTACT INFORMATION		
UTILITY	SITE	
<u>COMCAST (INDIANAPOLIS)</u> SCOTT EVANS (317) 752-6569 SEVANS@TELECOMPLACEMENT.COM 5330 EAST 65TH ST INDIANAPOLIS, IN 46220 CABLE TV	SCHOOL LS HYDE PARK LS HORNADAY LS LOCUST LN LS ARBUCKLE ACRES L	
DUKE ENERGY DON MCDUFFY (317) 776-5320 DEI-DLINE-COORD@DUKE-ENERGY.COM 100 S MILL CREEK RD NOBLESVILLE, IN 46062 ELECTRIC	SCHOOL LS HYDE PARK LS HORNADAY LS LOCUST LN LS ARBUCKLE ACRES L	
<u>CENTERPOINT ENERGY (SOUTH)</u> JON EASTHAM (765) 287-2119 PUBLICPROJECT@CENTERPOINTENERGY.COM 1800 W 26TH ST MUNCIE, IN 47302 GAS	SCHOOL LS HYDE PARK LS HORNADAY LS LOCUST LN LS ARBUCKLE ACRES L	
<u>MCI</u> NO CONTACT INFO AVAILABLE FIBER OPTIC	SCHOOL LS	
ZAYO BANDWIDTH WAYLON HIGGINS (765) 341-1199 ZAYO.RELO.INDIANA@ZAYO.COM 722 N. HIGH SCHOOL RD INDIANAPOLIS, IN 46214 FIBER OPTIC	SCHOOL LS HYDE PARK LS	
BROWNSBURG COMMUNITY SCHOOL CORP (317) 340-5456 JSTARKWEATHER@BROWNSBURG.K12.IN.US 310 STADIUM DR, BROWNSBURG, IN 46112 FIBER OPTIC	SCHOOL LS HORNADAY LS	
<u>EVERSTREAM, LLC (SOUTH)</u> EVERSTREAM LLC UTILITY REVIEW UTILITYREVIEW@EVERSTREAM.NET 342 MASSACHUSETTS AVE STE 203, INDIANAPOLIS, IN 46237 COMMUNICATIONS, FIBER OPTIC	SCHOOL LS ARBUCKLE ACRES L	
AT&T - DISTRIBUTION ATT INDIANA UTILITY COORDINATION G09871@ATT.COM COMMUNICATIONS	SCHOOL LS HYDE PARK LS HORNADAY LS LOCUST LN LS	
TOWN OF BROWNSBURG KATHY DILLON (317) 852-1114 KDILLON@BROWNSBURG.ORG 61 N. GREEN ST BROWNSBURG, IN 46112 WATER, SEWER, STORM, STREET LIGHTS	SCHOOL LS HYDE PARK LS HORNADAY LS LOCUST LN LS	
LEVEL 3 (LUMEN) LEVEL 3 COMMUNICATION NETWORK RELOCATION (877) 366-8344 X2 FIBER OPTIC	ARBUCKLE ACRES L	

PROJECT ADDRESSES:

<u>LOCUST LN. L.S.</u> 816 S. LOCUST LN. BROWNSBURG, IN 46112

<u>HYDE PARK L.S.</u> 3 HYDE PARK ROW BROWNSBURG, IN 46112

<u>SCHOOL L.S.</u> 1000 S. ODELL ST. BROWNSBURG, IN 46112 <u>HORNADAY L.S.</u> 1402 HORNADAY RD. BROWNSBURG, IN 46112

<u>ARBUCKLE L.S.</u> 6974 LUCAS DR. BROWNSBURG, IN 46112

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2	G1 G2	PROJECT LOCATION MAP AND DRAWING SET INDEX	
3	G2 G3	SYMBOLS, ABBREVIATIONS AND GENERAL NOTES	
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12	C3-1	HORNADAY LIFT STATION SITE DEMOLITION PLAN	V-4. Cm 05-22-2025
13	C3-2	HORNADAY LIFT STATION SITE IMPROVEMENTS PLANS	Signature Date
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15	C4-2	HYDE PARK LIFT STATION SITE IMPROVEMENTS PLANS	
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34	MD2	MISCELLANEOUS DETAILS II	
35	35 MD3 MISCELLANEOUS DETAILS III		
36	MD4	MISCELLANEOUS DETAILS IV	2025 BY COMMONWEALTH ENGINEERS, INC. ALL RIGHTS RESERVED. REPRODUCTION BY ANY METHOUT OR IN PART WITHOUT PERMISSION IS PROHIBITED PERMISSION IS PROHIBITED TOTOTOTON PERMISSION IS PROHIBITED TOTOTON PERMISSION IS PROHIBITED
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Designed By: Drawn By: Checked By

JAJ

Issue Date: Project No: Scale: 05-22-25 S24211 AS SHOWN

PROJECT LOCATION

MAP AND DRAWING

SET INDEX

Drawing No:

G2

Sheet: 2 OF 49

ACC

DSW

GENERAL ABBREVIATIONS

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

DRAWING SET LEGEND

EXOHT EXOHT
——— EXG ——— EXG ————————————————————————
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——— EXF/0 ——— EXF/0 ———
EXOHE EXOHE
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POT POT
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DISCLAIMER NOTE:

FT

FTG

FW

FEET OR FOOT

FINISHED WATER

FOOTING

EXISTING GAS LINE AND VALVE		
EXISTING WATER LINE AND VALVE		
EXISTING FIBER OPTIC LINE		
EXISTING OVERHEAD ELECTRIC LINE		
EXISTING BURIED ELECTRIC		
EXISTING NON-POTABLE WATER LINE		
EXISTING POTABLE WATER LINE		
EXISTING BURIED TELEPHONE LINE		
EXISTING FENCE		
APPARENT RIGHT-OF-WAY		
APPARENT PROPERTY LINE		
EDGE OF ROAD		
EDGE OF ROAD WITH CURB		
EXISTING MAJOR CONTOUR LINE		
EXISTING MINOR CONTOUR LINE		
NEW WATER LINE		
NEW FORCE MAIN		
PROPOSED MAJOR CONTOUR LINE		
PROPOSED MINOR CONTOUR LINE		

EASEMENT LINE

THIS DRAWING REFLECTS TYPICAL INFORMATION,

SOME MAY NOT BE APPLICABLE TO THIS PROJECT

EXISTING OVERHEAD TELEPHONE LINE

O	AC UNIT	\bigcirc	TELEF
0	BOLLARD	\Diamond	TELEF
\bigcirc	BOULDER / LARGE ROCK	\mathbb{R}	TRAFF
⊠CL	CENTER LINE MONUMENT	\bigotimes	WATE
⊠CL	ROW MONUMENT	\bigcirc	WATE
\blacklozenge	CONTROL POINT / BENCH MARK	\bowtie	VALVE
۲	DRILL HOLE	×	IRRIG/
MB	MAIL BOX	Y	FIRE F
	FLAG POLE	F	FLUSH
0	POST	Ø	YARD
0	STUMP	\bowtie	WALL
¢	BUSH / HEDGE	-	EXIST
\bigcirc	DECIDUOUS TREE		STOR
	CONIFEROUS TREE		STOR
	SIGN		STOR
₫	UTILITY LOCATE FLAG	\bigcirc	STOR
Ô	GAS LINE MARKER	S	SANIT
GV	GAS VALVE	sv X	SANIT
Ô	GAS METER	۲	CLEAN
-0	GUY POLE	X	VENT
Ø	POWER POLE	\bigotimes	
어	LIGHT POLE	Ø	NEW F
÷	GUY WIRE	F	NEW F
EM	ELECTRIC METER	ſ	NEW V
	ELECTRIC PANEL	¥	NEW F
ET	ELECTRIC TRANSFORMER	LS	NEW L
\bigcirc	HAND HOLE BOX	нн	NEW C
$\langle \hat{F} \rangle$	FIBER OPTIC MARKER	8	NEW S
TP	TEL/TV PEDESTAL	Ċ,	

HATCHING SYMBOLS

-CMU WALL (PLAN VIEW) -GRANULAR BACKFILL (PROFILE VIEW)
- DEMOLITION (CONTRACTOR SHALL REFER TO DETAILED SPECIFICATIONS)
- GROUT
- CONCRETE
- STEEL
- COMPACTED GRANULAR BACKFILL OR COMPACTED FOUNDATION

- ABANDONED IN PLACE

SLUDGE

GENERAL NOTES

- 1. 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.
- IFICATIONS) 2. 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.
 - 3. 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.
 - 4. WORK NOT SPECIFIED FOR PAYMENT AS OR PART OF A SPECIFIC PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT BY THE CONTRACTOR. REFER TO SPEC. 012000 FOR ADDITIONAL INFORMATION.
 - . THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL PERMITS OBTAINED FOR THE PROJECT.
 - 6. 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.
 - 7. 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.
 - 8. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL, WHICH SHALL COMPLY WITH THE LATEST ADDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). EMERGENCY TRAFFIC MUST HAVE ACCESS TO THE PROJECT AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE DRIVE CLOSURES WITH THE OWNER TWO DAYS IN ADVANCE TO DETERMINE ALTERNATE ROUTES. THE CONTRACTOR SHALL PROVIDE TEMPORARY WARNING AND DIRECTIONAL SIGNS AS DETERMINED NECESSARY BY THE OWNER AT NO ADDITIONAL COST.
 - 9. LIMITS OF CONSTRUCTION SHALL BE WITHIN EXISTING RIGHTS-OF-WAY AND OWNER'S PROPERTY UNLESS OTHERWISE NOTED.
 - FOR AREAS OUTSIDE OF EXISTING RIGHTS-OF-WAY, THE CONTRACTOR SHALL CONFINE ALL WORK TO THE LIMITS OF PERMANENT AND TEMPORARY EASEMENTS OR CONSTRUCTION LIMIT BOUNDARIES AS SHOWN ON THE DRAWINGS.
 - 11. 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.
 - 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.
 - 13. ALL PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPARENT AND SHALL NOT BE DEEMED AS EXACT LOCATIONS, UNLESS OTHERWISE NOTED. INFORMATION WAS OBTAINED THROUGH INDIANA ON-LINE GIS WEBSITE.
 - 14. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING PROPERTY AND RIGHT OF WAY LINES PRIOR TO START OF CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
 - 15. 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.
 - 16. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO STATE, CITY/TOWN OR PRIVATE PROPERTY DRIVES, SIDEWALKS, BRIDGES, DRAINAGE PIPE SYSTEMS, FENCES, SHEDS, ETC. AS A RESULT OF THE CONTRACTOR'S WORK AND SHALL BE RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE PERMITTING AGENCY, THE OWNER, AND THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE RESTORATION. SITE RESTORATION SHALL BE EQUAL TO OR BETTER THAN CONDITIONS PRIOR TO CONSTRUCTION.
 - 17. DAMAGED/DISTURBED CONCRETE SIDEWALK, DRIVES, AND CURBS SHALL BE REPLACED NEXT TO JOINT.
 - 18. EXISTING SIGNS TO BE REMOVED AND RESET AFTER CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER AND TOWN OF BROWNSBURG.
 - 19. ROADWAY SURFACING AND BASE MATERIALS OR OTHER PROPERTY REMOVED OR DAMAGED, SHALL BE REPLACED OR REPAIRED AS PROVIDED FOR IN THE CONTRACT DOCUMENTS.
 - 20. EXISTING TREES SHALL BE PROTECTED FROM DAMAGE UNLESS NOTED TO BE REMOVED.
 - 21. REGRADE AREAS AS NECESSARY WITHIN THE CONSTRUCTION LIMITS TO ALLOW PROPER DRAINAGE TO EXISTING STORM SEWER STRUCTURES OR FEATURES. ANY EXCESS SOIL AND SPOIL MATERIAL SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR OFF-SITE.
 - 22. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING LOCATIONS OF ALL EXISTING UTILITIES NEAR ALL PROPOSED WORK ACTIVITIES. IF UTILITY CONFLICTS OCCUR, CONTRACTOR SHALL NOTIFY OWNER PRIOR TO PROCEEDING WITH WORK.
 - 23. CONTRACTOR IS RESPONSIBLE FOR RELOCATING AND/OR SUPPORTING AT CONTRACTORS EXPENSE. ANY UTILITY LINES AND/OR SERVICE POLES NECESSARY TO COMPLETE CONSTRUCTION OPERATIONS. UTILITY POLES MAY BE SHOWN ON THE PLANS, BUT OVERHEAD LINES HAVE BEEN OMITTED FOR

PHONE MANHOLE
PHONE LINE MARKER

FIC MANHOLE

ER LINE MARKER

ER METER

GATION CONTROL VALVI

HYDRANT

HYDRANT

SPIGOT

TING PIPE PLUG

RM CATCH BASIN (SQUARE)

RM CATCH BASIN (ROUND)

RM CURB INLET

RM MANHOLE

TARY MANHOLE

TARY VALVE

ANOUT

VALVE

FIRE HYDRANT

FLUSH HYDRANT

WET SADDLE AND VALVE BODY

PLUG

LINE STOP

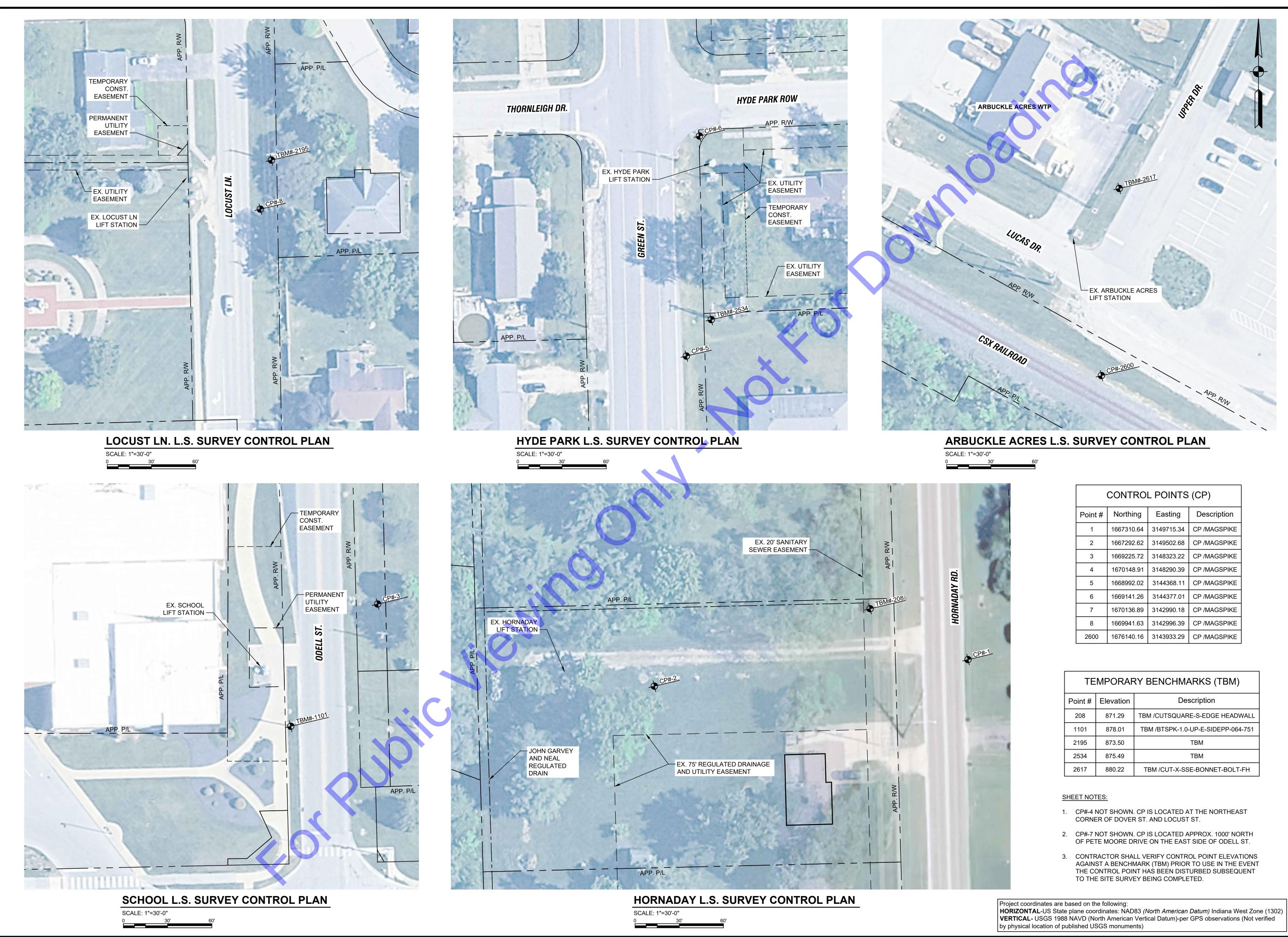
CUT AND CAP

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CLARITY. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF OVERHEAD OBSTRUCTIONS, ESPECIALLY OVERHEAD ELECTRIC LINES.

- 24. 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 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).
- 25. SIZE, MATERIAL, DEPTH AND LOCATION OF KNOWN EXISTING UTILITIES 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.
- 26. 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.
- 27. EXISTING UTILITY INFORMATION SHOWN IN DRAWINGS MEETS "ASCE 38-02" QUALITY LEVEL C UNLESS OTHERWISE NOTED.
- 27.1. 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.
- 27.2. 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 GEOPHYSICAL TOLERANCE DEFINED BY THE PROJECT
- **27.3.** <u>UTILITY LEVEL C</u>: INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND CORRELATING QUALITY LEVEL D INFORMATION.
- 27.4. <u>UTILITY QUALITY LEVEL D:</u> INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.
- 28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINES, GRADES, AND ELEVATIONS. ALL PIPES SHALL SLOPE UNIFORMLY BETWEEN INVERT ELEVATIONS SHOWN.
- 29. GRANULAR BACKFILL HATCHING IF SHOWN ON PLANS IS PROVIDED AS A COURTESY, AND MAY NOT BE ALL-INCLUSIVE. FULL-DEPTH GRANULAR BACKFILL IS REQUIRED WHERE SHOWN ON THE DRAWINGS AND WITHIN 5' FEET OF ROADS, DRIVES, SIDEWALKS, STRUCTURES, EXISTING AND PROPOSED UTILITIES.
- 30. CONTRACTOR TO USE ONLY CLEAN FILL IN TRENCHES WHENEVER LARGE DEBRIS IS REMOVED.
- 31. THE CONTRACTOR SHALL VERIFY ALL RIM ELEVATIONS OF PROPOSED STRUCTURES PRIOR TO ORDERING ANY MATERIALS.
- 32. CONTRACTOR SHALL MAINTAIN 10'-0" HORIZONTAL AND 1'-6" VERTICAL SEPARATION BETWEEN SEWERS (INCLUDING SERVICE LATERALS & WATER MAINS IN ACCORDANCE WITH IDEM REQUIREMENTS, UNLESS SPECIFICALLY NOTED IN THE PLANS OTHERWISE.) MANHOLES AND WATER MAINS SHALL HAVE MIN. 8'-0" SEPARATION, UNLESS OTHERWISE NOTED IN PLANS.
- 33. HORIZONTAL OR VERTICAL BENDS WHERE NOTED ON THE DRAWINGS ARE PROVIDED FOR ALIGNMENT PURPOSES ONLY, AND MAY NOT BE ALL-INCLUSIVE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING QUANTITY, LOCATION AND ORIENTATION OF BENDS AND OFFSETS ALONG FORCEMAIN ROUTE TO MAINTAIN MINIMUM DEPTH OF COVER AND MINIMUM REQUIRED CLEARANCES FROM EXISTING AND PROPOSED UTILITIES.
- 34. CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING FLOW AND PROVIDING BYPASS PUMPING AS REQUIRED DURING CONSTRUCTION OPERATIONS. SUCH FLOW SHALL BE CONTINUOUSLY MONITORED AS NOT TO ALLOW SEWAGE BACK-UP WHICH MAY CAUSE PROPERTY DAMAGE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGE INCURRED AND MUST MAKE RESTITUTION WITH ANY AFFECTED PROPERTY OWNER(S).
- 35. EXISTING SEWER INTERCEPTORS, GRAVITY SEWERS, LIFT STATIONS, AND FORCE MAINS SHALL REMAIN IN CONTINUOUS SERVICE THROUGHOUT THE CONSTRUCTION PERIOD UNTIL SUCCESSFUL START-UP OF THE PROPOSED LIFT STATION AND FORCE MAIN. CONTRACTOR SHALL PROVIDE CONTINUOUS MONITORING OF ANY BYPASS PUMPING OPERATIONS THAT OCCUR AT ALL TIMES. PROPOSED BYPASS SYSTEM SHALL INCLUDE EMERGENCY STANDBY/BACK-UP PROVISIONS AND ALARM MONITORING AND SHALL BE APPROVED BY THE OWNER AT LEAST 72 HOURS IN ADVANCE OF INITIATING ANY BYPASS OPERATIONS.
- 36. NEW FORCE MAIN SHALL BE INSTALLED AT THE UNIFORM HORIZONTAL DISTANCE BETWEEN SUCCESSIVE HORIZONTAL LOCATION COORDINATES AS SHOWN ON THE PLANS, BASELINE STATIONING IS ALONG THE CENTERLINE OF THE NEW FORCE MAIN.
- 37. ALL PIPING TO BE ABANDONED WILL BE FLUSHED OUT AND CAPPED WITH GROUT AT BOTH ENDS AND ABANDONED IN PLACE.
- 38. ALL NEW FORCE MAIN PIPING SHALL BE RESTRAINED JOINT AND CONCRETE THRUST BLOCKED PER SPECS.

Y.	Availin of resources to master a common goal.
M S	No. No. 10100200 STATE OF NO. 05-22-2025 Signature Date
N T.	
Т	TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA PROJECT #24-012-WW (CONTRACT 3)
/E	© 2025 BY COMMONWEAL TH ENGINEERS, INC. ALL RIGHTS RESERVED. REPRODUCTION BY ANY METHOD IN WHOLE OR IN PART WITHOUT PERMISSION IS PROHIBITED DIDIDIDIDIDIDIDIDIDIDIDIDIDIDIDIDIDID
T	Submittal / Revision By Date
ΙY	Image: system of the system
	Drawing No: Sheet: 3 OF 49



CONTROL POINTS (CP)				
Point #	Northing	Easting	Description	
1	1667310.64	3149715.34	CP /MAGSPIKE	
2	1667292.62	3149502.68	CP /MAGSPIKE	
3	1669225.72	3148323.22	CP /MAGSPIKE	
4	1670148.91	3148290.39	CP /MAGSPIKE	
5	1668992.02	3144368.11	CP /MAGSPIKE	
6	1669141.26	3144377.01	CP /MAGSPIKE	
7	1670136.89	3142990.18	CP /MAGSPIKE	
8	1669941.63	3142996.39	CP /MAGSPIKE	
2600	1676140.16	3143933.29	CP /MAGSPIKE	

TEMPORARY BENCHMARKS (TBM)			
Point # Elevation Description		Description	
208	871.29	TBM /CUTSQUARE-S-EDGE HEADWALL	
1101	878.01	TBM /BTSPK-1.0-UP-E-SIDEPP-064-751	
2195	873.50	ТВМ	
2534	875.49	ТВМ	
2617	880.22	TBM /CUT-X-SSE-BONNET-BOLT-FH	

10100200 05-22-2025 Date Signature DF BROWNSBURG RICKS COUNTY, INDIANA PROJECT #24-012-WW (CONTRACT 3) OWN OF HENDRIC ana Designed By: Drawn By: Checked By DSW JAJ ACC ssue Date: Project No: Scale: 05-22-25 | S24211 | AS SHOWN SURVEY CONTROL PLAN Drawing No: **G4**

4 OF 49

Sheet:

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PERMANENT SEWER EASEMENT

A permanent easement, for the purpose of constructing maintaining and usage of wastewater utilities, including rights for ingress and egress, on the land owned by David A. Cicotte & Kathryn M. Cicotte, (contained in Deed Book #292, Page #323 in the Office of the Recorder of Hendricks County, Indiana), as shown on the attached drawing Exhibit "B", more particularly described as follows:

A part of Lot #1 in Hartford Park, First Section, an addition to the Town of Brownsburg, Hendricks County, Indiana, as per plat thereof recorded March 8, 1971, in Plat Book 7, Page 68 in the Office of the Recorder of Hendricks County, described as follows:

Commencing from the southeast corner of said Lot #1; thence North 00 degrees 00 minutes 00 seconds West (bearings based on said plat) along the east line of said Lot #1 a distance of 5.00 feet to the **Point of Beginning**; thence continuing North 00 degrees 00 minutes 00 seconds West along said east line a distance of 8.02 feet; thence South 41 degrees 47 minutes 29 seconds West a distance of 10.77 feet to an existing utility easement (per plat); thence South 89 degrees 57 minutes 00 seconds East along the north line of said utility easement 7.18 feet to the POINT OF BEGINNING, containing 0.001 acres (29 square feet) more or less.

Subject to all legal highways, rights-of-way, easements, and restrictions of record.

TEMPORARY SEWER EASEMENT

A temporary easement, for the purpose of constructing wastewater utilities, on the land owned by David A. Cicotte & Kathryn M. Cicotte, (contained in Deed Book #292, Page #323 in the Office of the Recorder of Hendricks County, Indiana), as shown on the attached drawing Exhibit "B", more particularly described as follows:

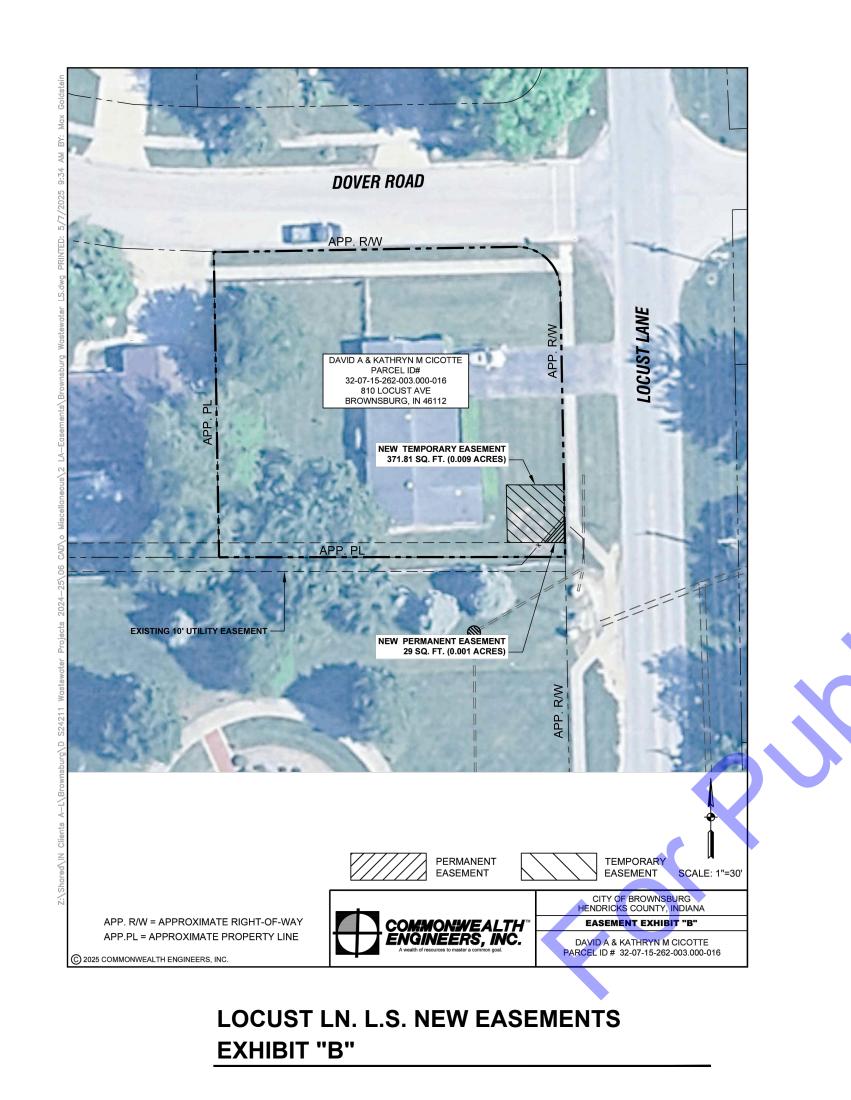
A part of Lot #1 in Hartford Park, First Section, an addition to the Town of Brownsburg, Hendricks County, Indiana, as per plat thereof recorded March 8, 1971, in Plat Book 7, Page 68 in the Office of the Recorder of Hendricks County, described as follows:

Commencing from the southeast corner of said Lot #1; thence North 00 degrees 00 minutes 00 seconds West (bearings based on said plat) along the east line of said Lot #1 a distance of 13.02 feet to the **Point of Beginning**; thence continuing North 00 degrees 00 minutes 00 seconds West along said east line a distance of 11.98 feet; thence South 89 degrees 57 minutes 00 seconds West a distance of 20.00 feet; thence South 00 degrees 00 minutes 00 seconds East 19.98 feet to an existing utility easement (per plat); thence South 89 degrees 57 minutes 00 seconds East along the north line of said utility easement 12.82 feet; thence North 41 degrees 47 minutes 29 seconds East 10.77 feet to the POINT OF BEGINNING, containing 0.009 acres (371 square feet) more or less.

Subject to all legal highways, rights-of-way, easements, and restrictions of record.

-The parcel line locations shown on Exhibit "B" are for reference only. Parcel lines were derived directly from published data resource files obtained from Indianamap.org, and reflect the same as publicly available GIS parcel lines as shown on the Hendricks County Government website. Parcel lines were not established by legal survey. The GRANTOR and GRANTEE do not warrant the property lines as shown on Exhibit "B"

LOCUST LN. L.S. NEW EASEMENTS LEGAL DESCRIPTION



TEMPORARY SEWER EASEMENT

A temporary easement, for the purpose of constructing wastewater utilities, on the land owned by Richard P. Thomsen, (contained in Instrument #201810404 in the Office of the Recorder of Hendricks County, Indiana), as shown on the attached drawing Exhibit "B", more particularly described as follows:

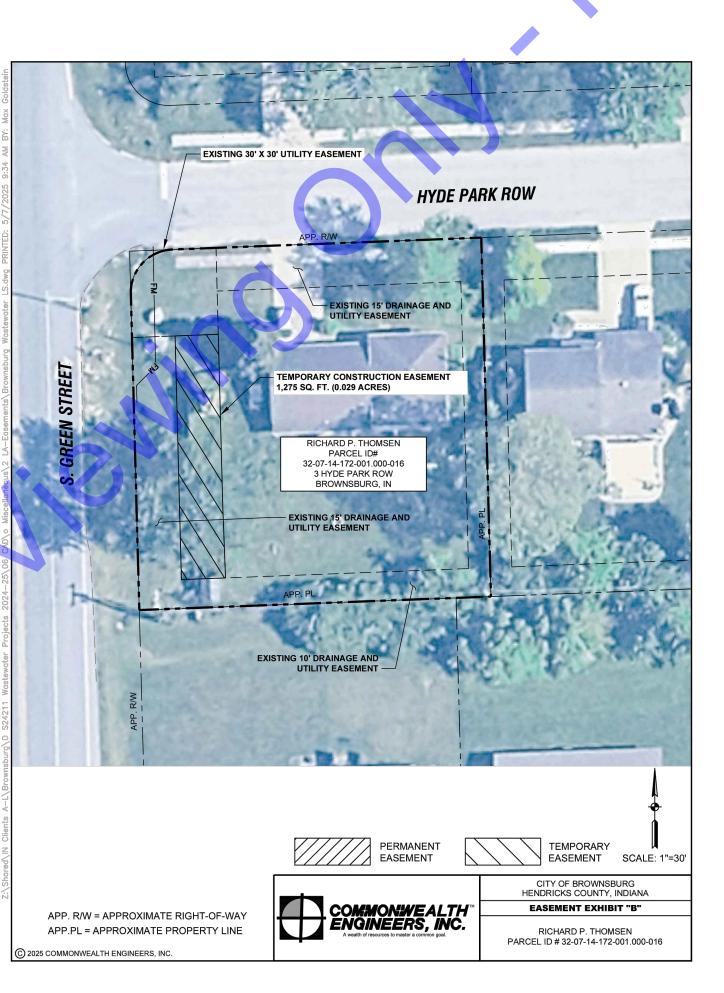
A part of Lot #43 in Chadwick Square, First Section, an addition to the Town of Brownsburg, Hendricks County, Indiana, as per plat thereof recorded September 28, 1971, in Plat Book 7, Page 98 in the Office of the Recorder of Hendricks County, described as follows:

Commencing from the southwest corner of said Lot #43; thence North 88 degrees 55 minutes 00 seconds East (bearings based on said plat) along the south line of said Lot #43 a distance of 15.00 feet; thence North 00 degrees 00 minutes 00 seconds East parallel with the west line of said Lot #43 to a point on the east line of an existing utility and drainage easement (per plat) and the **Point of** Beginning: thence continuing North 00 degrees 00 minutes 00 seconds East along the east line of said existing easement 85.01 feet to the south line of an existing easement (labeled 30'x30' utility area per plat); thence North 88 degrees 55 minutes 00 seconds East along said south line15.00 feet; thence South 00 degrees 00 minutes 00 seconds West 85.01 feet to an existing utility and drainage easement (per plat); thence South 88 degrees 55 minutes 00 seconds West along the north line of said existing easement 15.00 feet to the POINT OF BEGINNING, containing 0.029 acres (1,275 square feet) more or less.

Subject to all legal highways, rights-of-way, easements, and restrictions of record.

-The parcel line locations shown on Exhibit "B" are for reference only. Parcel lines were derived directly from published data resource files obtained from Indianamap.org, and reflect the same as publicly available GIS parcel lines as shown on the Hendricks County Government website. Parcel lines were not established by legal survey. The GRANTOR and GRANTEE do not warrant the property lines as shown on Exhibit "B"

HYDE PARK L.S. NEW EASEMENT LEGAL DESCRIPTION



HYDE PARK L.S. NEW EASEMENT EXHIBIT "B"

PERMANENT SEWER EASEMENT

A permanent easement, for the purpose of constructing maintaining and usage of wastewater utilities, including rights for ingress and egress, on the land owned by Brownsburg Community School Corporation, (contained in Deed Book #205, Page #55 in the Office of the Recorder of Hendricks County, Indiana), as shown on the attached drawing Exhibit "B", more particularly described as follows:

A part of the Southwest Quarter of the Northeast Quarter and a part of the Northwest Quarter of the Southeast Quarter of Section 14, Township 16 North, Range 1 East of the Second Principal Meridian in Indiana, described as follows:

Commencing from the intersection of the north right-of-way of Sycamore Street and the west right-of way of Odell Street; thence North 01 degrees 03 minutes 05 seconds West (assumed bearing) along the west right-of-way of Odell Street 120.43 feet to the **Point** of Beginning; Thence South 88 degrees 54 minutes 40 seconds West 23.82 feet; thence North 00 degrees 27 minutes 38 seconds East 40.31 feet; thence South 89 degrees 34 minutes 37 seconds East 22.76 feet to the west right-of-way line of Odell Street; thence South 01 degrees 03 minutes 05 seconds East along said west line to the POINT OF BEGINNING, containing 0.021 acres (932 square feet) more or less.

Subject to all legal highways, rights-of-way, easements, and restrictions of record.

TEMPORARY SEWER EASEMENT

A temporary easement, for the purpose of constructing wastewater utilities, on the land owned by Brownsburg Community School Corporation, (contained in Deed Book #205, Page #55 in the Office of the Recorder of Hendricks County, Indiana), as shown on the attached drawing Exhibit "B", more particularly described as follows:

A part of the Southwest Quarter of the Northeast Quarter and a part of the Northwest Quarter of the Southeast Quarter of Section 14, Township 16 North, Range 1 East of the Second Principal Meridian in Indiana, described as follows:

Commencing from the intersection of the north right-of-way of Sycamore Street and the west right-of way of Odell Street; thence North 01 degrees 03 minutes 05 seconds West (assumed bearing) along the west right-of-way of Odell Street 69.82 feet to the **Point of** Beginning: thence continuing North 01 degrees 03 minutes 05 seconds West along said west line 50.61 feet; thence South 88 degrees 54 minutes 40 seconds West 23.82 feet; thence North 00 degrees 27 minutes 38 seconds East 40.31 feet; thence South 89 degrees 34 minutes 37 seconds East 22.76 feet to the west right-of-way line of Odell Street; thence North 01 degrees 03 minutes 05 seconds West along said west line 55.18 feet; thence North 89 degrees 41 minutes 08 seconds West 35.85 feet; thence South 00 degrees 35 minutes 53 seconds West 145.46 feet; thence South 89 degrees 41 minutes 04 seconds East 40.04 feet to the POINT OF BEGINNING, containing 0.105 acres (4,587 square feet) more or less.

Subject to all legal highways, rights-of-way, easements, and restrictions of record.

-The parcel line locations shown on Exhibit "B" are for reference only. Parcel lines were derived directly from published data resource files obtained from Indianamap.org, and reflect the same as publicly available GIS parcel lines as shown on the Hendricks County Government website. Parcel lines were not established by legal survey. The GRANTOR and GRANTEE do not warrant the property lines as shown on Exhibit "B"

SCHOOL L.S. NEW EASEMENTS LEGAL DESCRIPTION

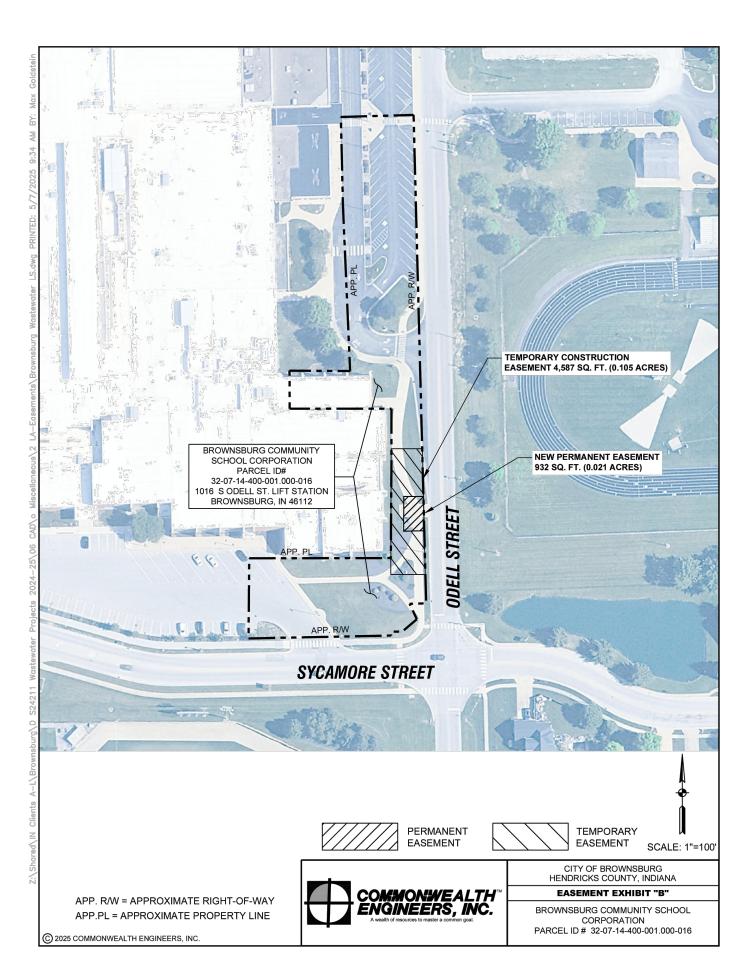
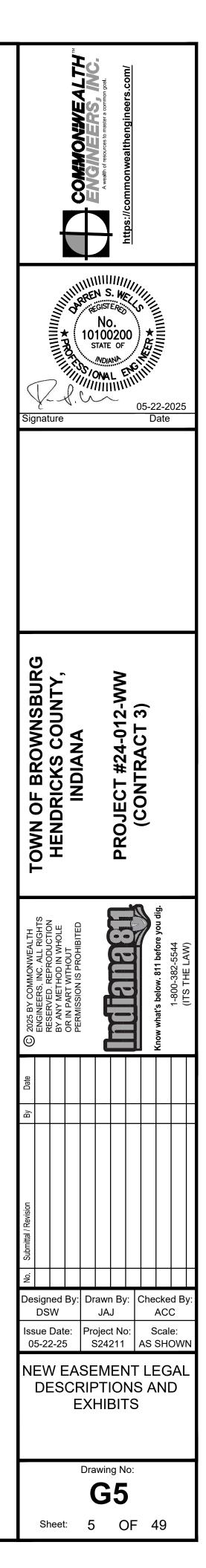
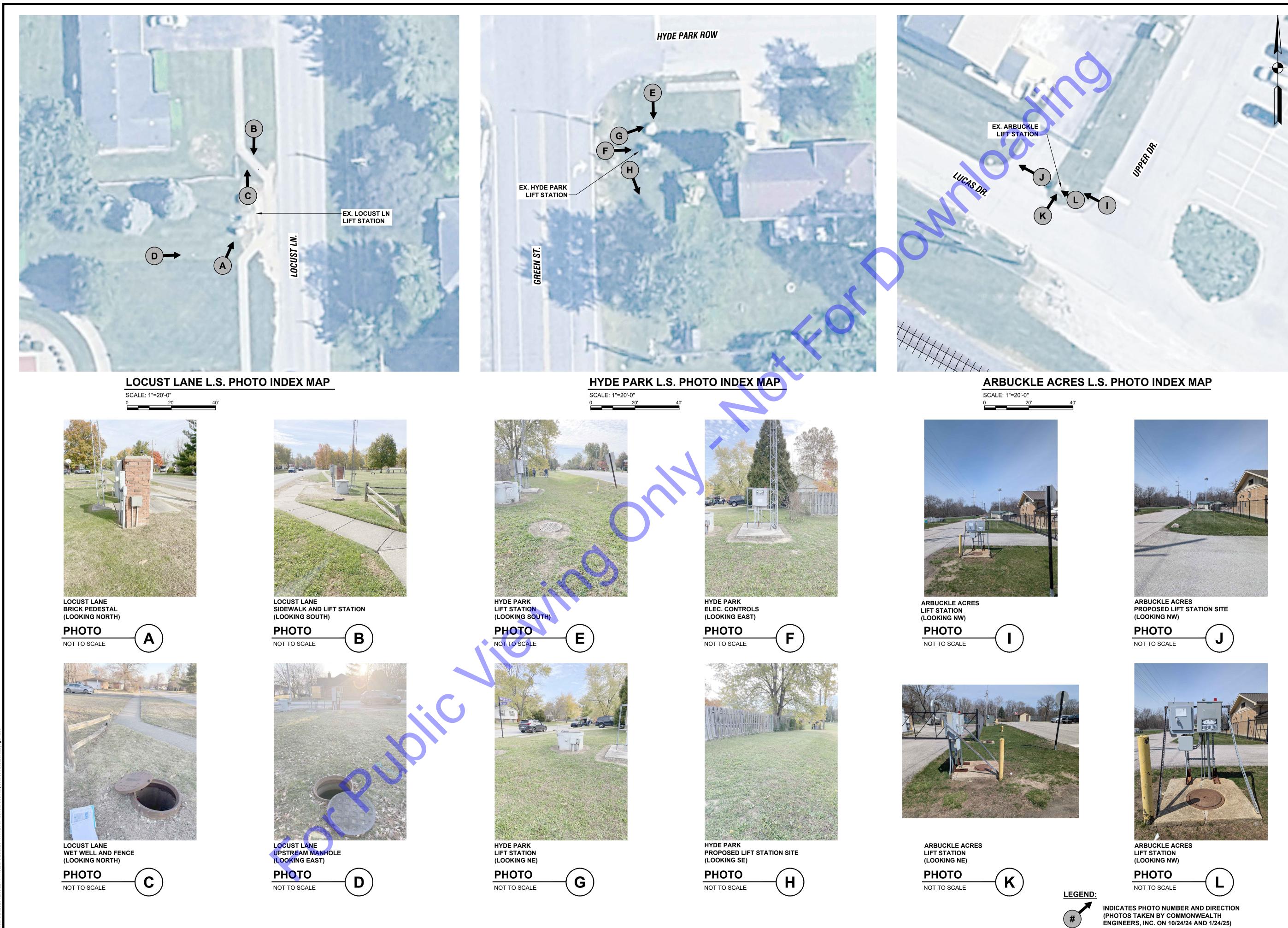
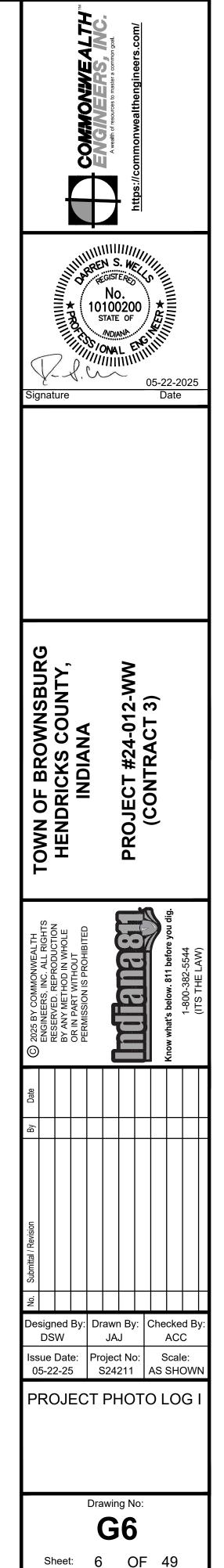


EXHIBIT "B"

SCHOOL L.S. NEW EASEMENTS















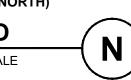
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SCHOOL LIFT STATION (LOOKING EAST)

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NOT TO SCALE





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SCHOOL LIFT STATION (LOOKING SW)

ΡΗΟΤΟ NOT TO SCALE



NOT TO SCALE



Т

HORNADAY UPSTREAM MANHOLE (LOOKING NORTH) ΡΗΟΤΟ

NOT TO SCALE







U

HORNADAY UPSTREAM MANHOLE (LOOKING WEST)

ΡΗΟΤΟ NOT TO SCALE

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Signature	No. 10100200 STATE OF NONAL ENTITU 05-22-2025 Date
TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA	PROJECT #24-012-WW (CONTRACT 3)
© 2025 BY COMMONWEALTH ENGINEERS, INC. ALL RIGHTS RESERVED. REPRODUCTION BY ANY METHOD IN WHOLE OR IN PART WITHOUT PERMISSION IS PROHIBITED	Know what's below. 811 before you dig. 1-800-382-5544 (ITS THE LAW)
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Designed By: DSW Issue Date: 05-22-25 PROJEC	Drawn By: JAJ Project No: S24211 Checked By: ACC Scale: AS SHOWN
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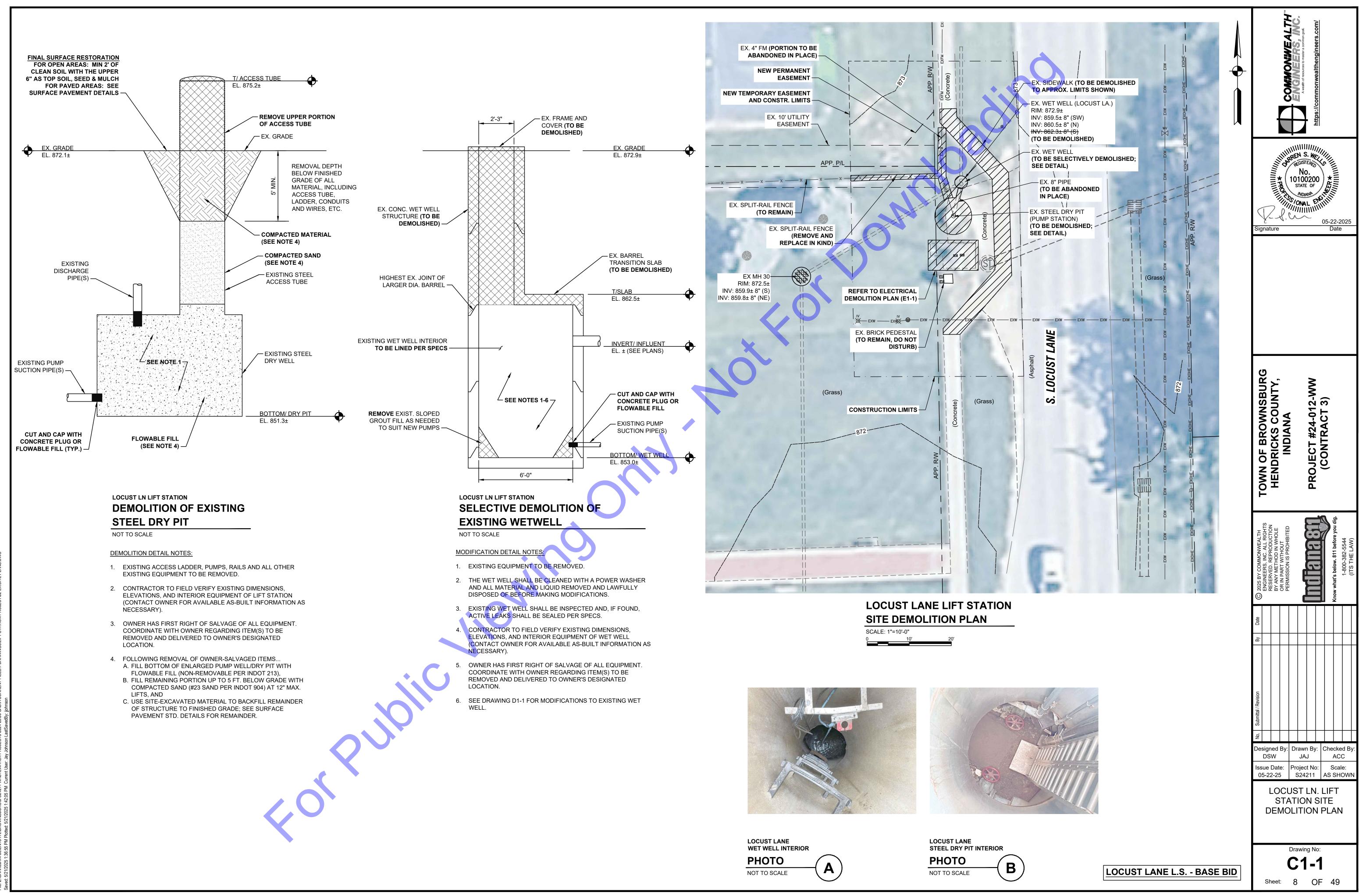
Sheet: 7 OF 49

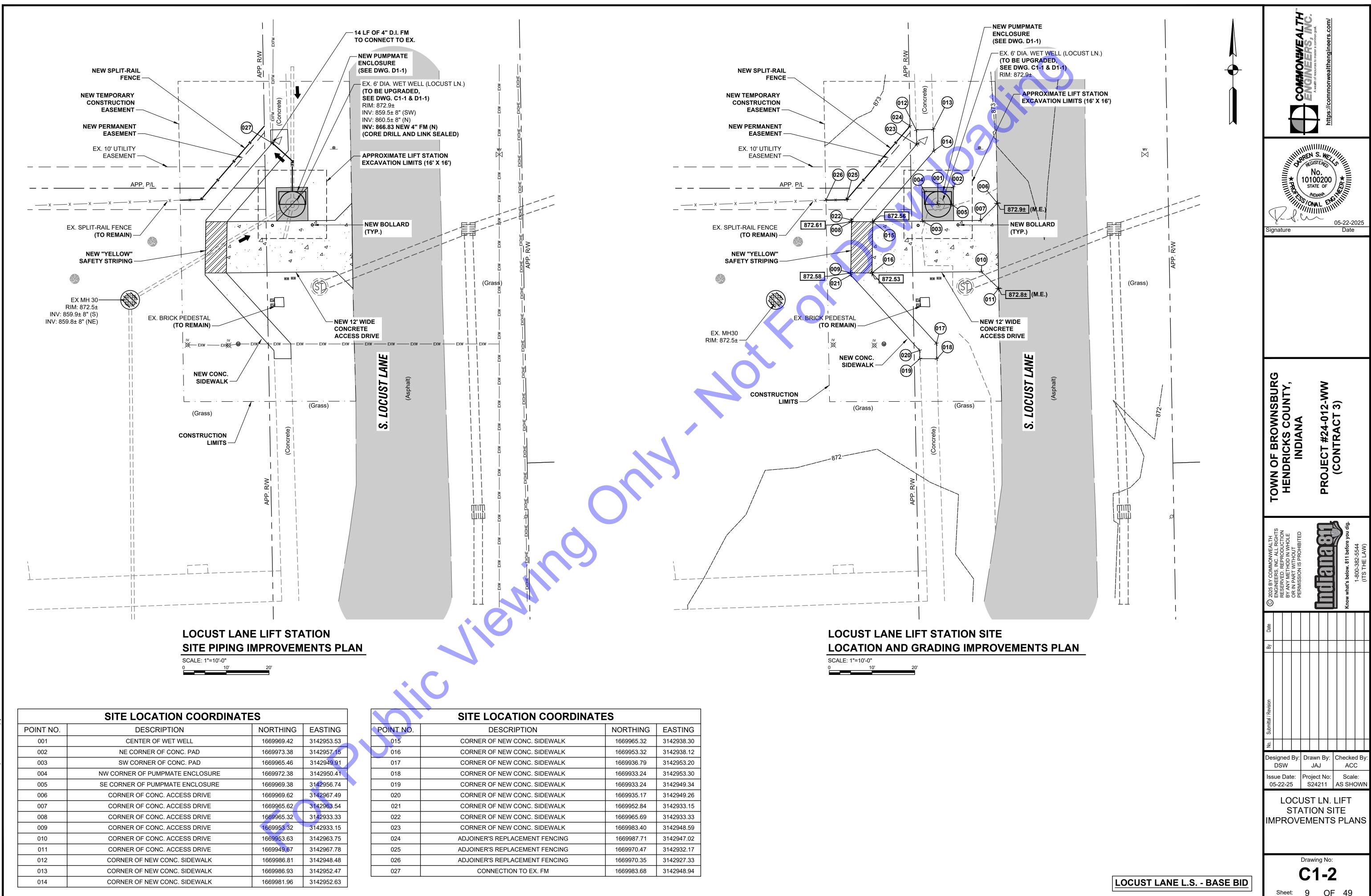
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NOT TO SCALE



INDICATES PHOTO NUMBER AND DIRECTION (PHOTOS TAKEN BY COMMONWEALTH ENGINEERS, INC. ON 10/24/24)





E LOCATION COORDINATES					
DESCRIPTION	NORTHING	EASTING			
RNER OF NEW CONC. SIDEWALK	1669965.32	3142938.30			
RNER OF NEW CONC. SIDEWALK	1669953.32	3142938.12			
RNER OF NEW CONC. SIDEWALK	1669936.79	3142953.20			
RNER OF NEW CONC. SIDEWALK	1669933.24	3142953.30			
RNER OF NEW CONC. SIDEWALK	1669933.24	3142949.34			
RNER OF NEW CONC. SIDEWALK	1669935.17	3142949.26			
RNER OF NEW CONC. SIDEWALK	1669952.84	3142933.15			
RNER OF NEW CONC. SIDEWALK	1669965.69	3142933.33			
RNER OF NEW CONC. SIDEWALK	1669983.40	3142948.59			
DINER'S REPLACEMENT FENCING	1669987.71	3142947.02			
DINER'S REPLACEMENT FENCING	1669970.47	3142932.17			
DINER'S REPLACEMENT FENCING	1669970.35	3142927.33			
CONNECTION TO EX. FM	1669983.68	3142948.94			

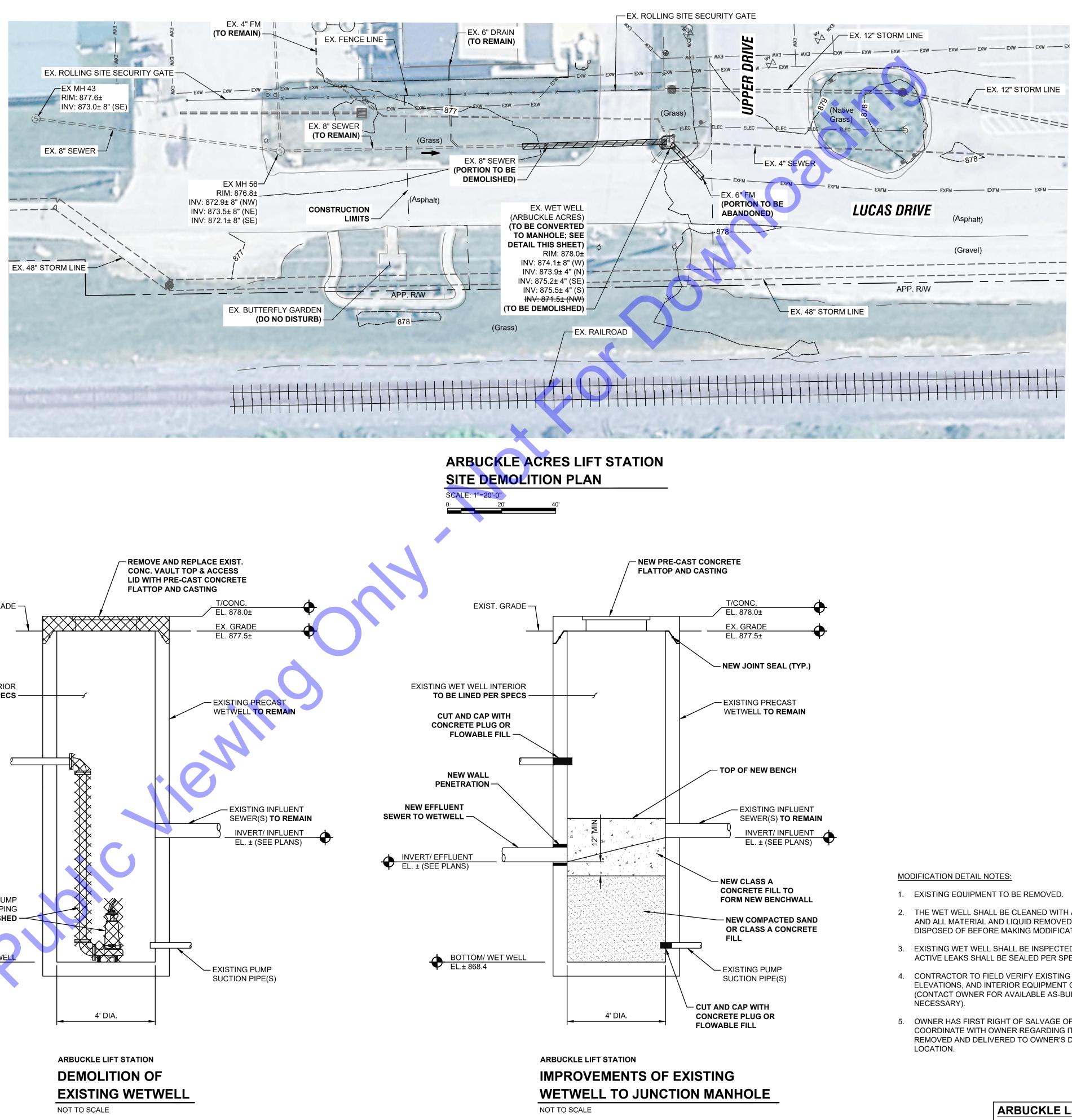


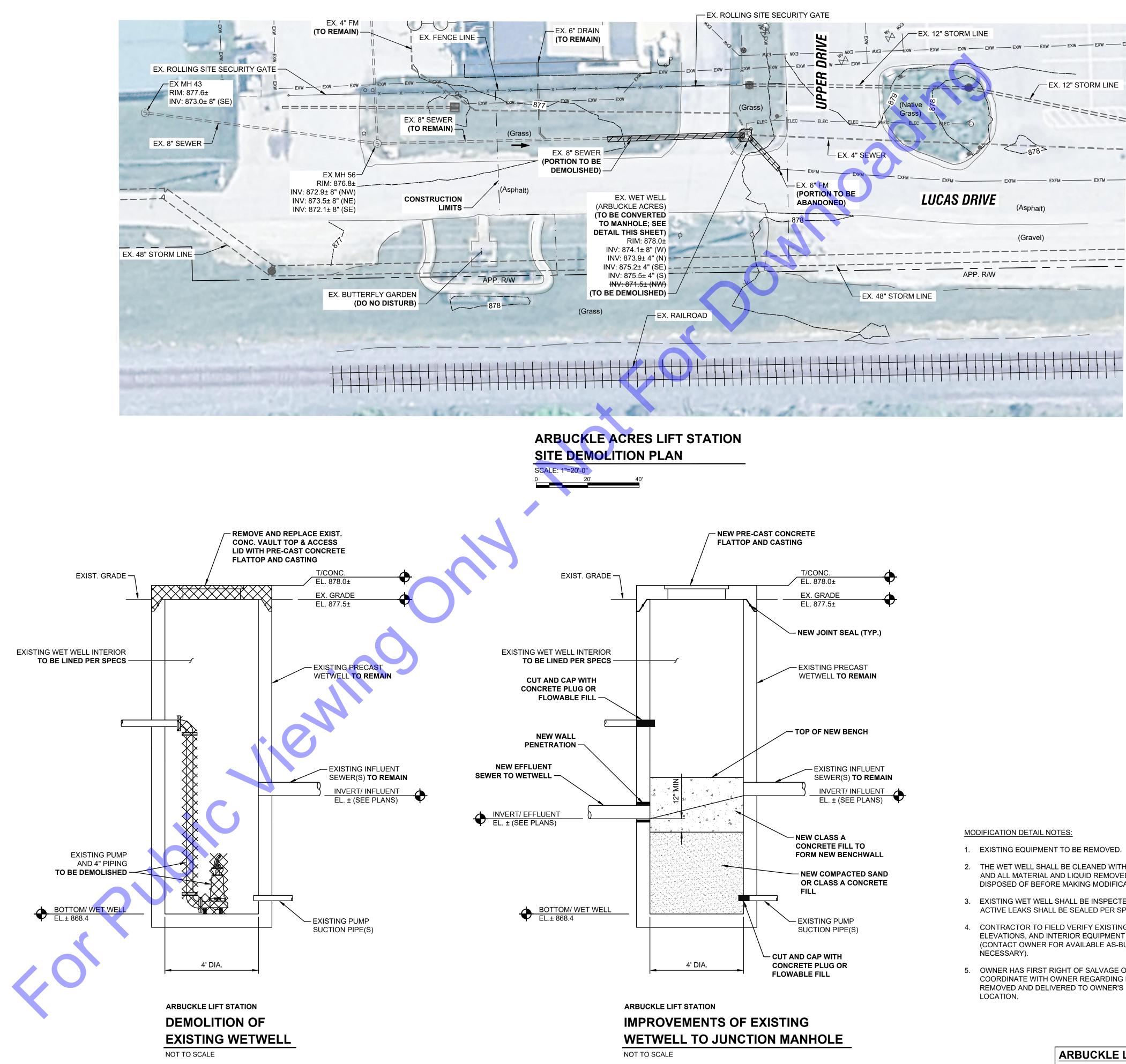
ARBUCKLE ACRES WET WELL INTERIOR ΡΗΟΤΟ NOT TO SCALE



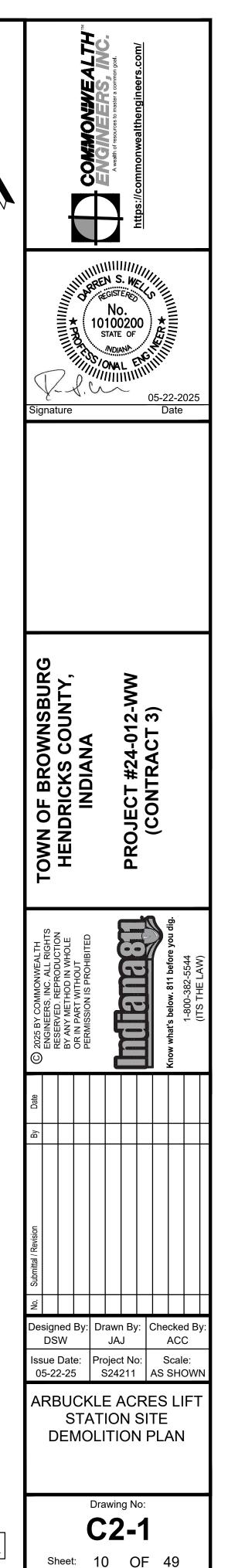
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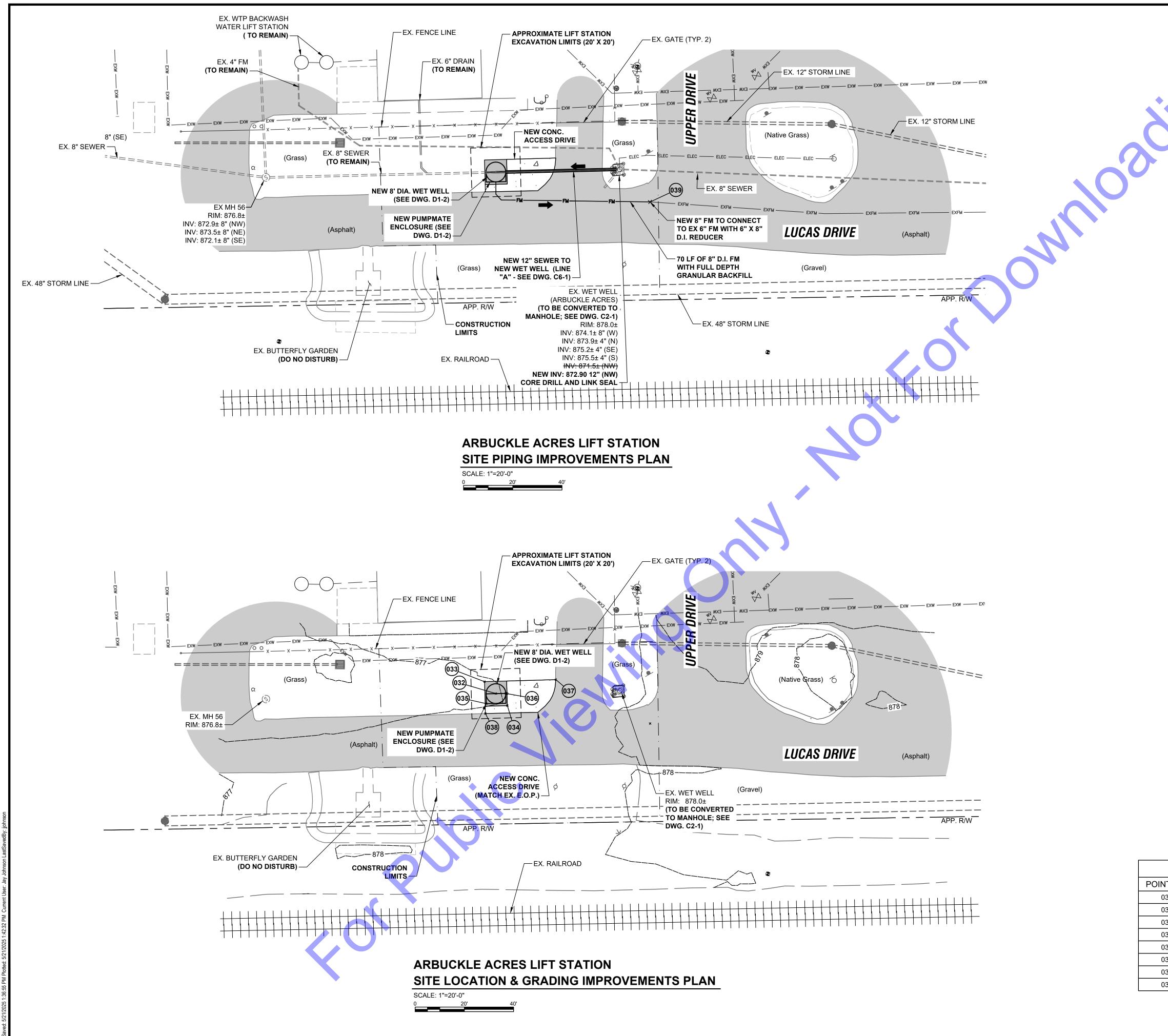
ARBUCKLE ACRES WET WELL TOP SLAB ΡΗΟΤΟ Β NOT TO SCALE





- 2. THE WET WELL SHALL BE CLEANED WITH A POWER WASHER AND ALL MATERIAL AND LIQUID REMOVED AND LAWFULLY DISPOSED OF BEFORE MAKING MODIFICATIONS.
- 3. EXISTING WET WELL SHALL BE INSPECTED AND, IF FOUND, ACTIVE LEAKS SHALL BE SEALED PER SPECS.
- 4. CONTRACTOR TO FIELD VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND INTERIOR EQUIPMENT OF WETWELL (CONTACT OWNER FOR AVAILABLE AS-BUILT INFORMATION AS
- 5. OWNER HAS FIRST RIGHT OF SALVAGE OF ALL EQUIPMENT. COORDINATE WITH OWNER REGARDING ITEM(S) TO BE REMOVED AND DELIVERED TO OWNER'S DESIGNATED





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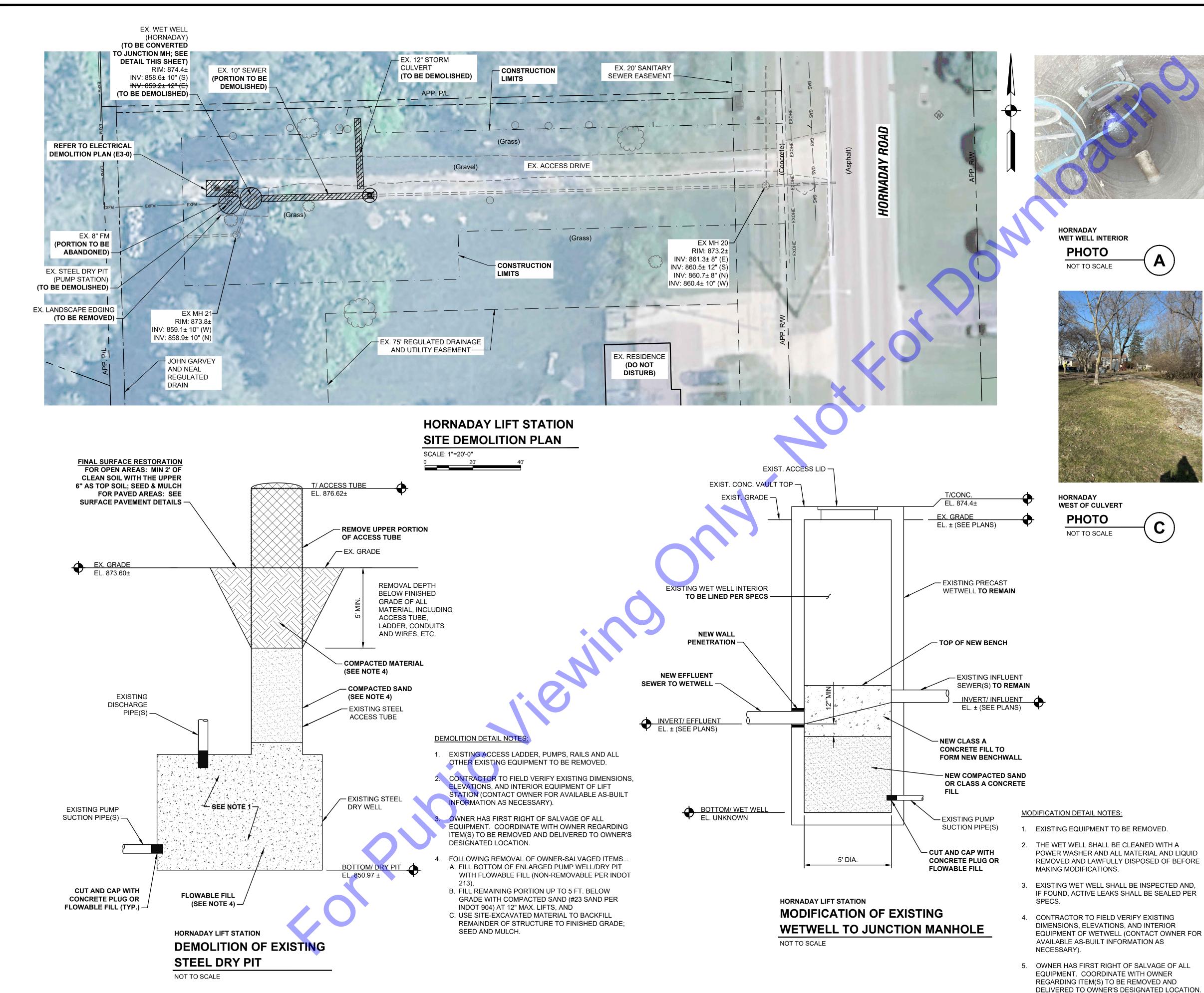
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© 2025 BY COMMONWEALTH	ENGINEERS, INC. ALL RIGHTS	BY ANY METHOD IN WHOLE	OR IN PART WITHOUT PERMISSION IS PROHIBITED						Know what's below, 811 before you dig.	1-800-382-5544 /ITS THE 1 4///	
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SHEET NOTE:

1. SLOPE FINISHED GRADE AS REQUIRED TO PROVIDE POSITIVE SURFACE DRAINAGE RELIEF. PONDING OF SURFACE WATER IS NOT ACCEPTABLE.

SITE LOCATION COORDINATES					
NT NO.	DESCRIPTION	NORTHING	EASTING		
032	CENTER OF WET WELL	1676258.87	3143874.24		
033	NORTH CORNER CONC. PAD	1676265.38	3143872.64		
034	SOUTH CORNER CONC. PAD	1676252.30	3143875.80		
035	SW CORNER PUMPMATE ENCLOSURE	1676257.26	3143868.79		
036	NE CORNER PUMPMATE ENCLOSURE	1676256.92	3143877.73		
037	CORNER OF CONC. ACCESS DRIVE	1676251.58	3143898.15		
038	CORNER OF CONC. ACCESS DRIVE	1676253.99	3143866.46		
039	CONNECTION TO EX. FM	1676217.00	3143922.38		

ARBUCKLE L.S. - BASE BID





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HORNADAY

PHOTO

HORNADAY

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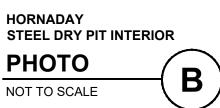
NORTH END OF CULVERT

HORNADAY L.S. -

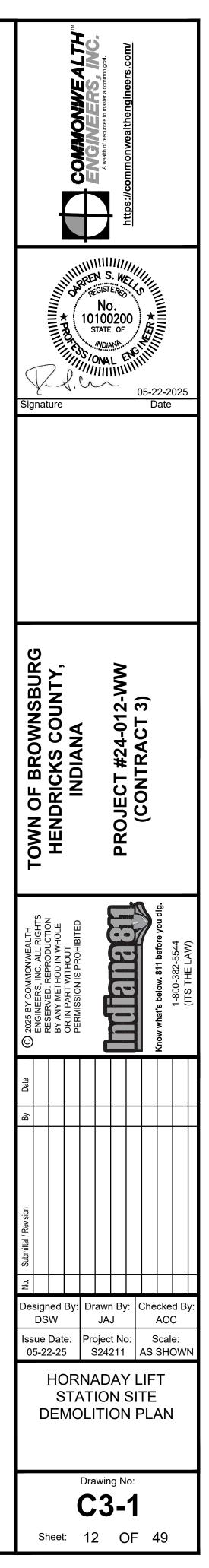
MANDATORY ALTERNATE 1

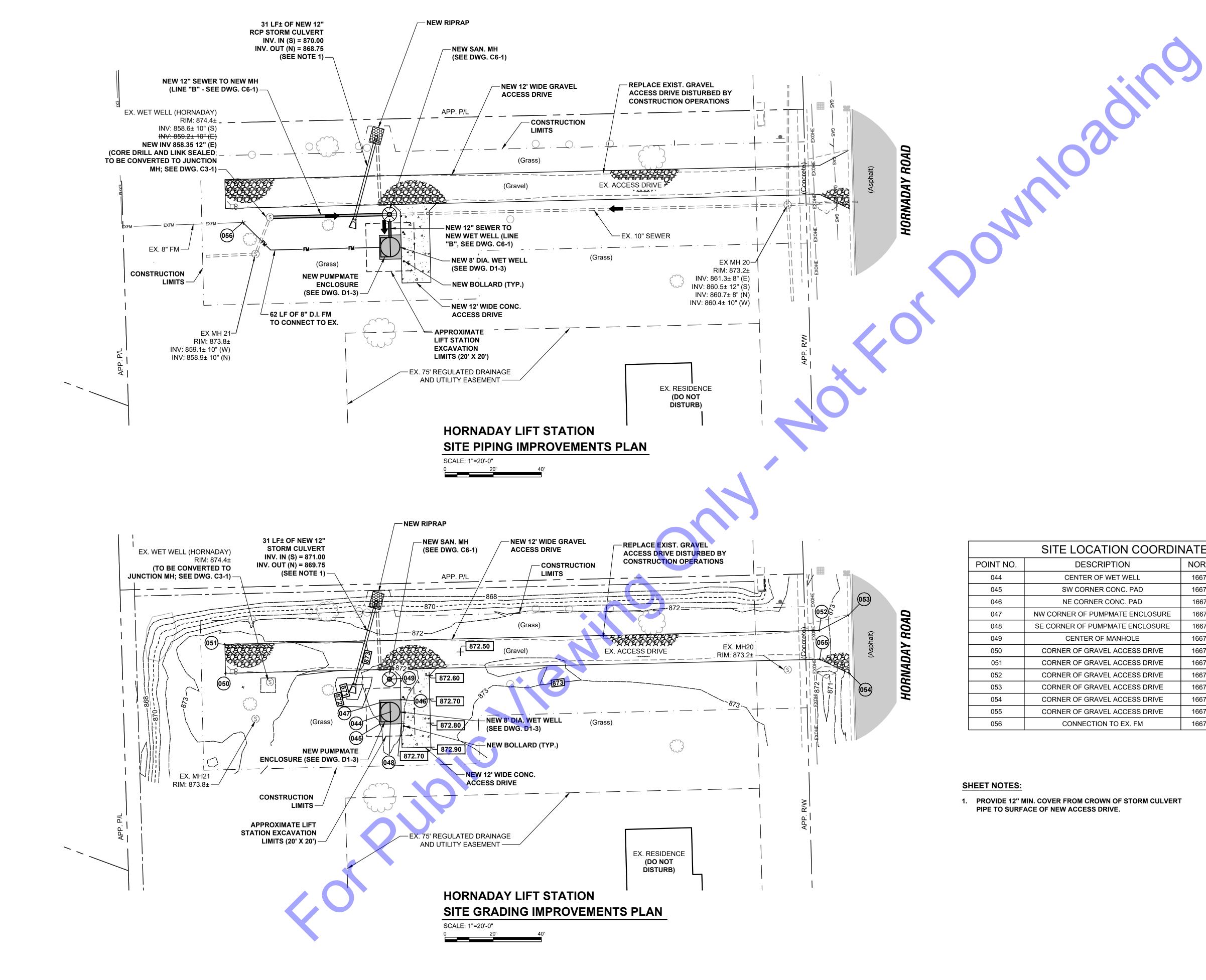
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SOUTH END OF CULVERT







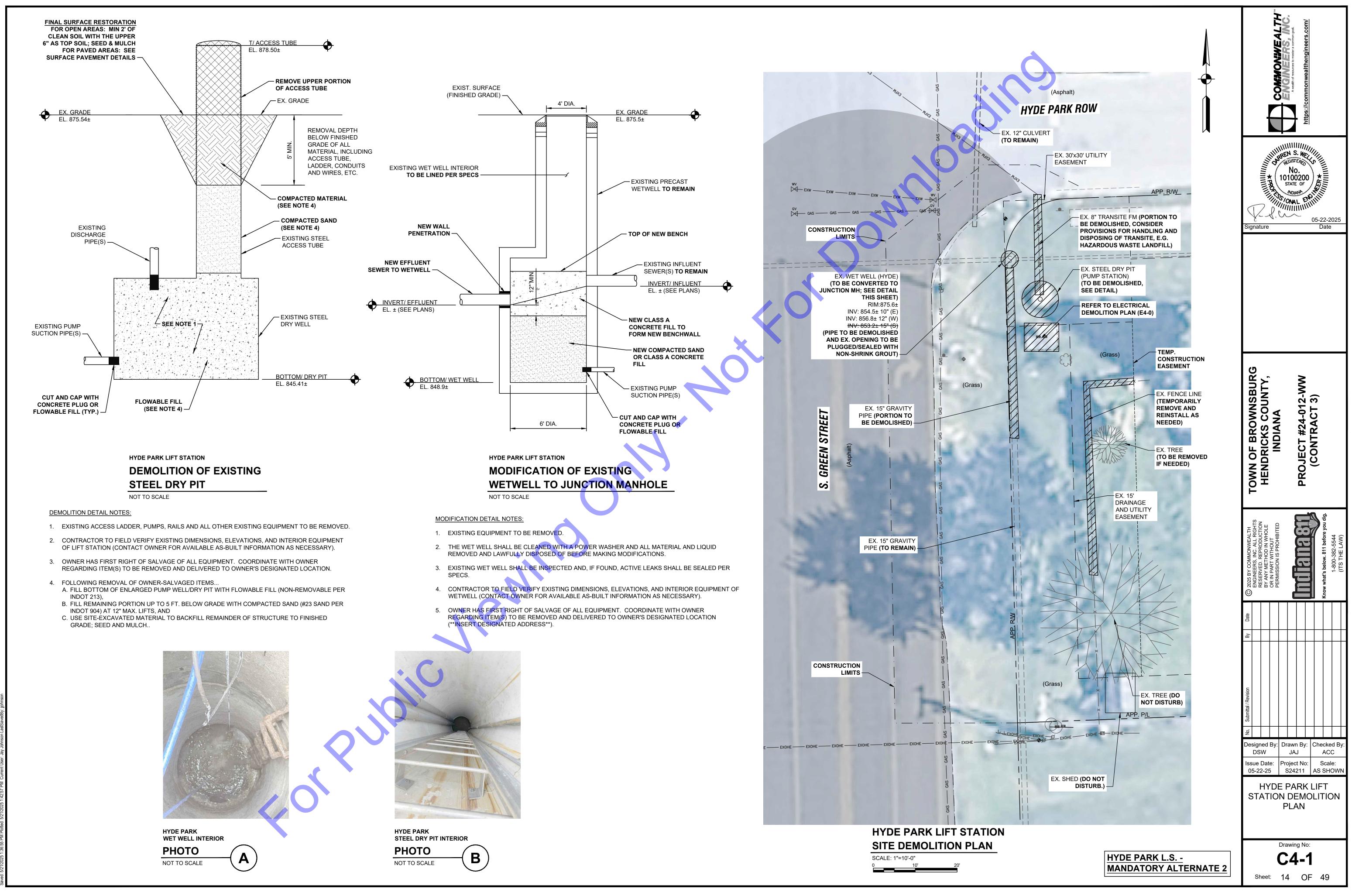


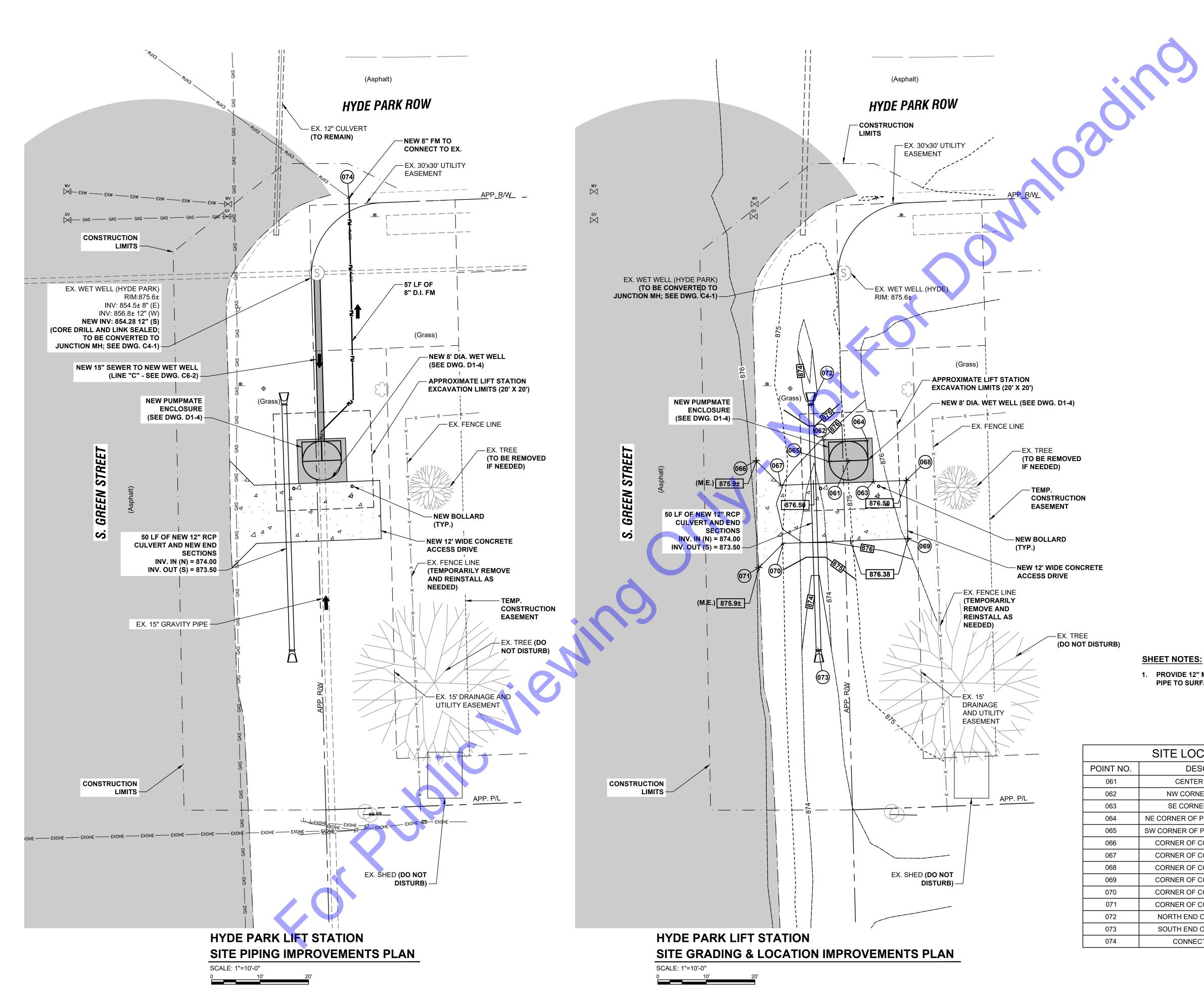
I COORDINATES					
Ν	NORTHING	EASTING			
VELL	1667294.80	3149493.42			
. PAD	1667289.70	3149489.04			
. PAD	1667299.91	3149497.80			
E ENCLOSURE	1667298.71	3149489.32			
ENCLOSURE	1667290.81	3149493.51			
IOLE	1667308.39	3149493.09			
CESS DRIVE	1667310.87	3149425.03			
CESS DRIVE	1667322.87	3149424.74			
CESS DRIVE	1667328.65	3149671.50			
CESS DRIVE	1667334.93	3149683.50			
CESS DRIVE	1667310.72	3149684.07			
CESS DRIVE	1667316.65	3149671.71			
X. FM	1667305.06	3149432.29			

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TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA	-OWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA PROJECT #24-012-WW (CONTRACT 3)				
© 2025 BY COMMONWEALTH ENGINEERS, INC. ALL RIGHTS RESERVED. REPRODUCTION BY ANY METHOD IN WHOLE OR IN PART WITHOUT PERMISSION IS PROHIBITED	Know what's below. 811 before you dig. 1-800-382-5544 (ITS THE LAW)				
By Date					
No. Submittal / Revision Designed By: Du	awn By: Checked By:				
Designed By: DSWDrawn By: JAJChecked By: ACCIssue Date: 05-22-25Project No: S24211Scale: AS SHOWNHORNADAY LIFT STATION SITE IMPROVEMENTS PLANS					
Drawing No: C3-2					

Sheet: 13 OF 49

HORNADAY L.S. -MANDATORY ALTERNATE 1

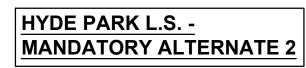


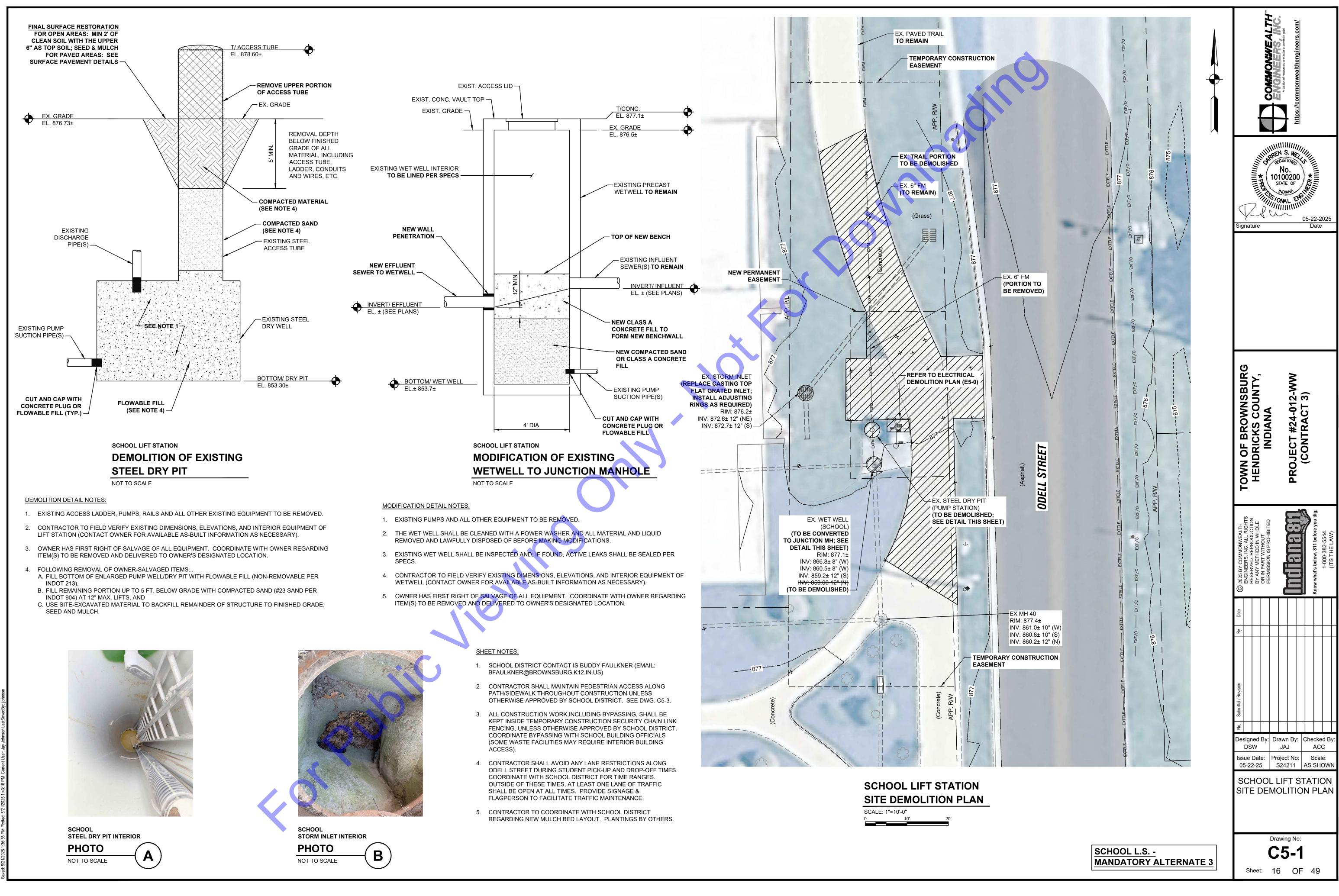


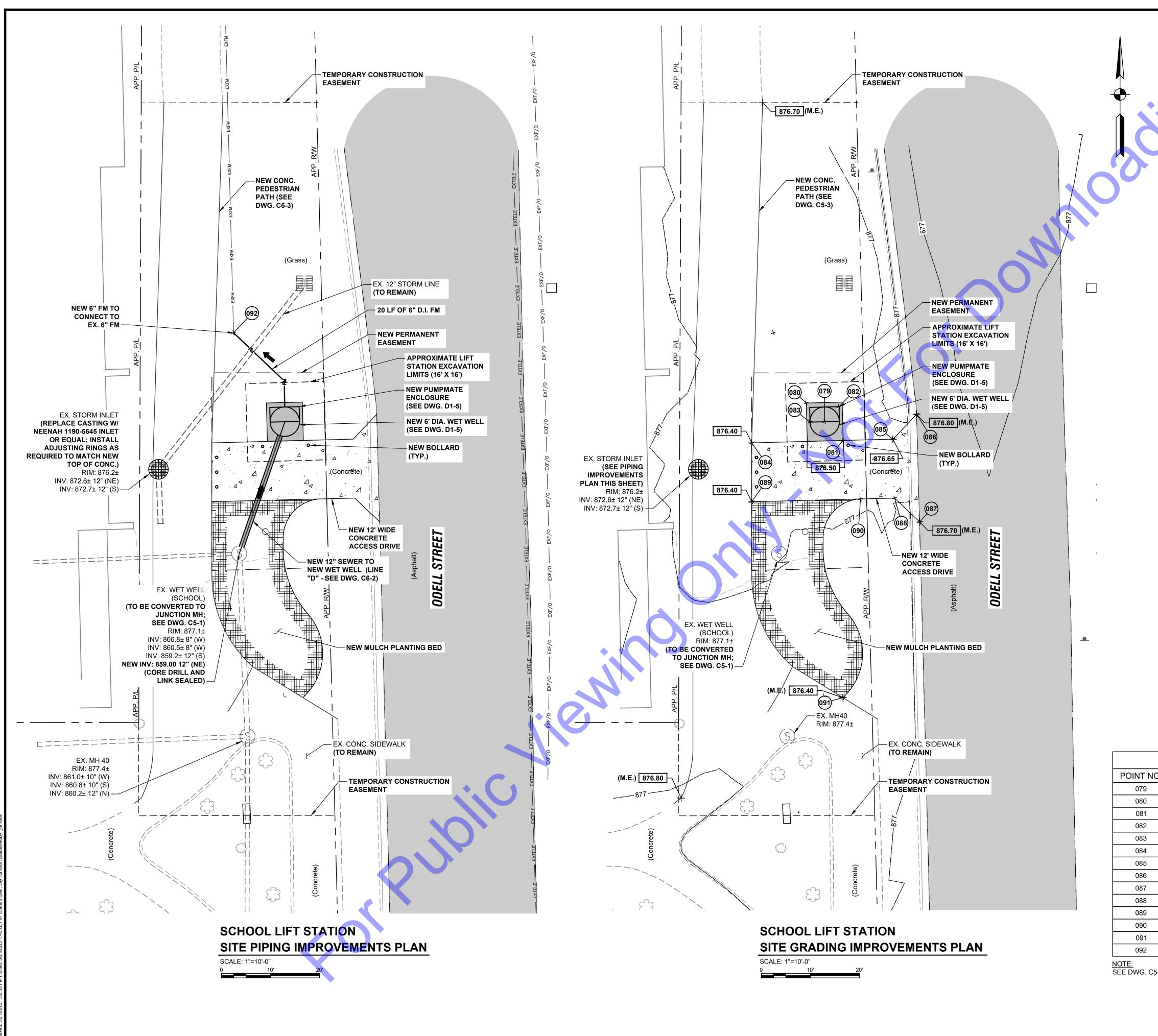
Li Q **Š +** DEN S. W 10100200 STATE O 05-22-2025 Date Signature DF BROWNSBURG RICKS COUNTY, INDIANA 2-WW 3) COJECT #24-013 (CONTRACT (OWN OF HENDRIC R Δ Indiana $\tilde{\mathbf{X}} = \tilde{\mathbf{X}} = \tilde{\mathbf{X}} = \tilde{\mathbf{X}}$ Designed By: Drawn By: Checked By DSW JAJ ACC ssue Date: Project No: Scale: 05-22-25 S24211 AS SHOW HYDE PARK LIFT STATION SITE IMPROVEMENTS PLANS Drawing No: C4-2 Sheet: 15 OF 49

1. PROVIDE 12" MIN. COVER FROM CROWN OF STORM CULVERT PIPE TO SURFACE OF NEW ACCESS DRIVE.

	SITE LOCATION COORDINATES							
10.	DESCRIPTION	NORTHING	EASTING					
	CENTER OF WET WELL	1669092.87	3144379.08					
	NW CORNER OF CONC. PAD	1669097.17	3144373.91					
	SE CORNER OF CONC. PAD	1669088.57	3144384.25					
	NE CORNER OF PUMPMATE ENCLOSURE	1669097.02	3144382.93					
	SW CORNER OF PUMPMATE ENCLOSURE	1669092.72	3144375.09					
	CORNER OF CONC. ACCESS DRIVE	1669092.89	3144360.06					
	CORNER OF CONC. ACCESS DRIVE	1669087.83	3144365.12					
	CORNER OF CONC. ACCESS DRIVE	1669088.82	3144390.99					
	CORNER OF CONC. ACCESS DRIVE	1669076.83	3144391.30					
	CORNER OF CONC. ACCESS DRIVE	1669075.84	3144365.58					
	CORNER OF CONC. ACCESS DRIVE	1669070.83	3144360.57					
	NORTH END OF STORM CULVERT	1669104.38	3144371.32					
	SOUTH END OF STORM CULVERT	1669053.90	3144372.90					
	CONNECTION TO EX. FM	1669147.05	3144384.66					







Z-SHARED/IN CLIENTS A-L/BROWNSBURG/D S24211 WASTEWATER PROJECTS 2024-25/06 CAD/A CURRENT FILES/1 DRAWINGS/LIFT STATION PROJECT/02-EX.SITE PLANS. E Ad: 5/11/0026 1-36-56 DM Eldfact: 5/01/0026 1-33-38 DM Current Lieber: Lav. Johnson LastSoucideur: jichnoon

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To be a constant of the second						
TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA	PROJECT #24-012-WW (CONTRACT 3)					
ate Image: Commonweal the engineers, inc. all rights engineers, inc. all rights reserved. Reproduction by any method in whole or in part without permission is prohibited	Know what's below. 811 before you dig. 1-800-382-5544 (ITS THE LAW)					
DSW Issue Date: Pr 05-22-25 SCHOOL I SITE IMP	rawn By: JAJ oject No: S24211 Checked By: ACC Scale: AS SHOWN LIFT STATION ROVEMENTS LANS					

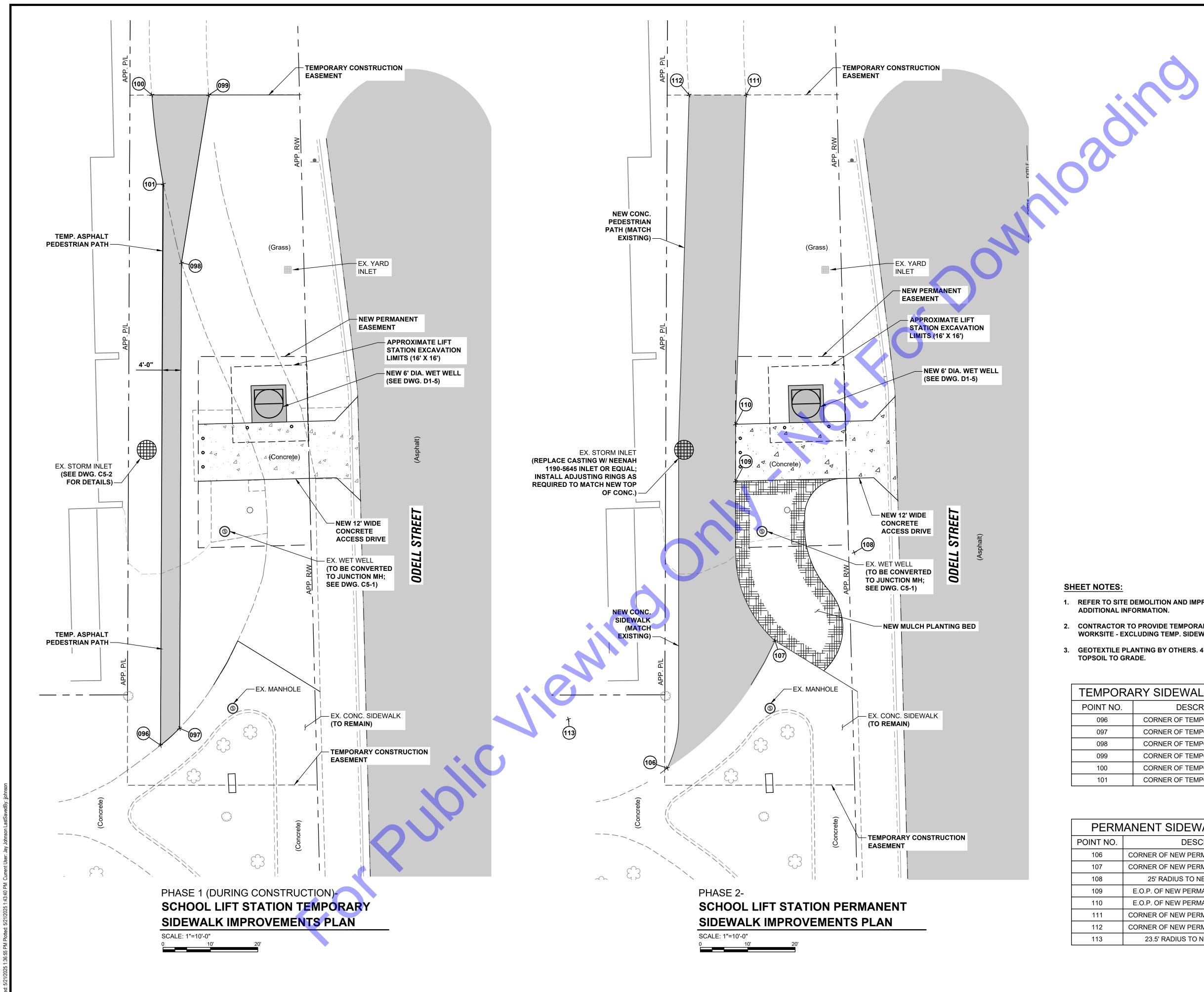
Sheet: 17 OF 49

_			
	SITE LOCATION COORDI	JATES	

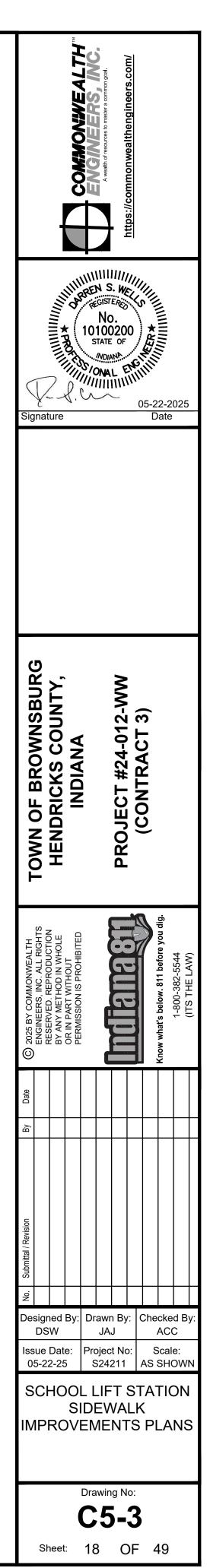
О.	DESCRIPTION	NORTHING	EASTING
	CENTER OF WET WELL	1669199.57	3148251.12
	NW CORNER OF CONC. PAD	1669203.39	3148247.35
	SE CORNER OF CONC. PAD	1669195.76	3148254.88
	NE CORNER OF PUMPMATE ENCLOSURE	1669202.65	3148254.04
	SW CORNER OF PUMPMATE ENCLOSURE	1669199.50	3148248.12
	CORNER OF CONC. ACCESS DRIVE	1669195.26	3148236.23
	CORNER OF CONC. ACCESS DRIVE	1669196.03	3148265.02
	CORNER OF CONC. ACCESS DRIVE	1669201.12	3148269.88
	CORNER OF CONC. ACCESS DRIVE	1669179.13	3148270.50
	CORNER OF CONC. ACCESS DRIVE	1669184.00	3148265.35
	CORNER OF CONC. ACCESS DRIVE	1669183.25	3148236.23
	NORTH CORNER OF NEW PLANTING BED	1669183.82	3148258.43
	SOUTH CORNER OF NEW PLANTING BED	1669143.29	3148254.82
	CONNECTION TO EX. FM	1669217.72	3148240.66

NOTE: SEE DWG. C5-3 FOR NEW TEMPORARY AND PERMANENT SIDEWALK LOCATION COORDINATES.





HAREDIN CLIENTS A-LIBROWNSBURGID S24211 WASTEWATER PROJECTS 2024-25/06 CADIA CURRENT FILES\1 DRAWINGSILIFT STATION PROJECT/02-EX.SITE PLANS.C



1. REFER TO SITE DEMOLITION AND IMPROVEMENTS PLAN (DWGS. C5-1 AND C5-2) FOR ADDITIONAL INFORMATION.

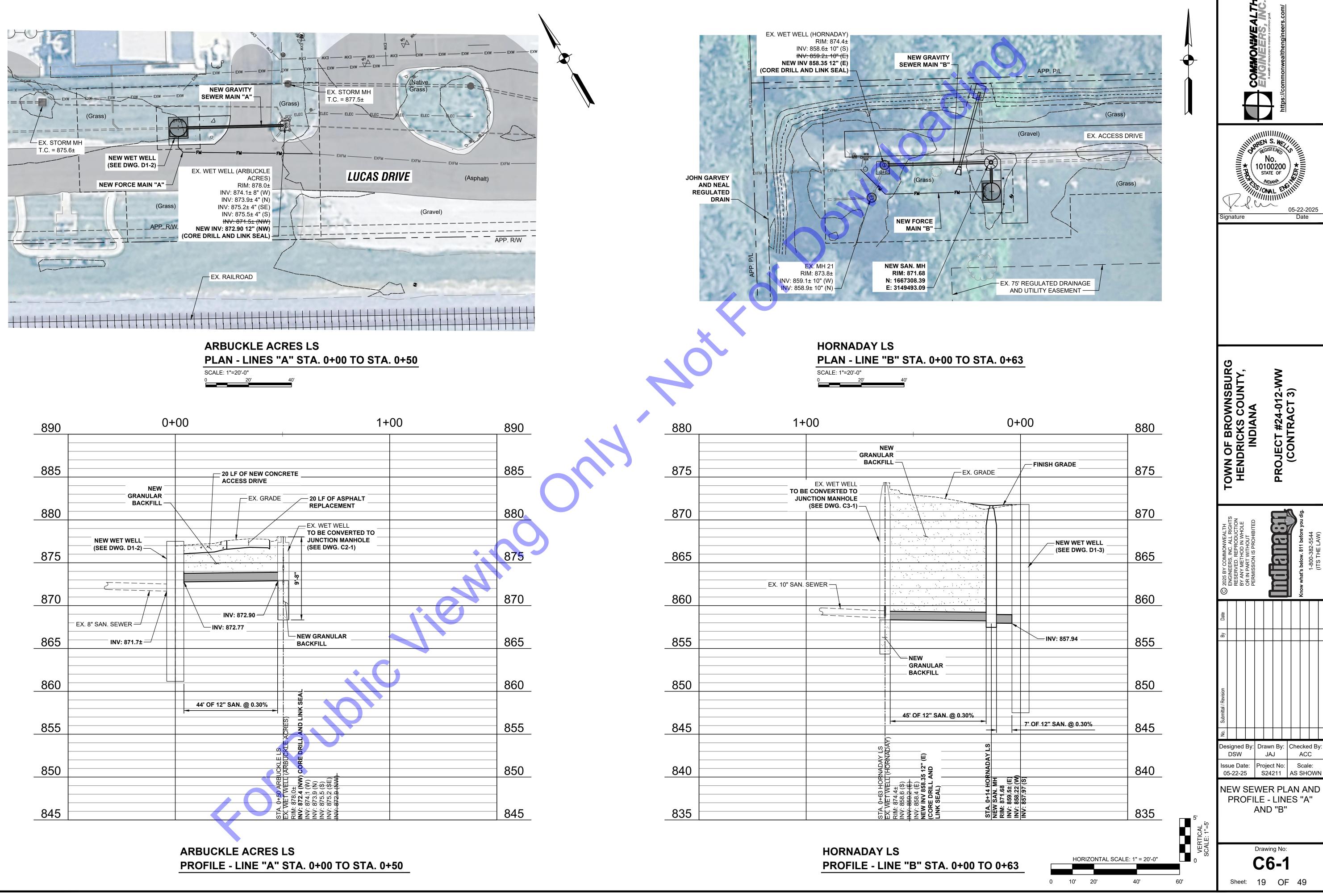
2. CONTRACTOR TO PROVIDE TEMPORARY CONSTRUCTION PERIMETER FENCE AROUND WORKSITE - EXCLUDING TEMP. SIDEWALK.

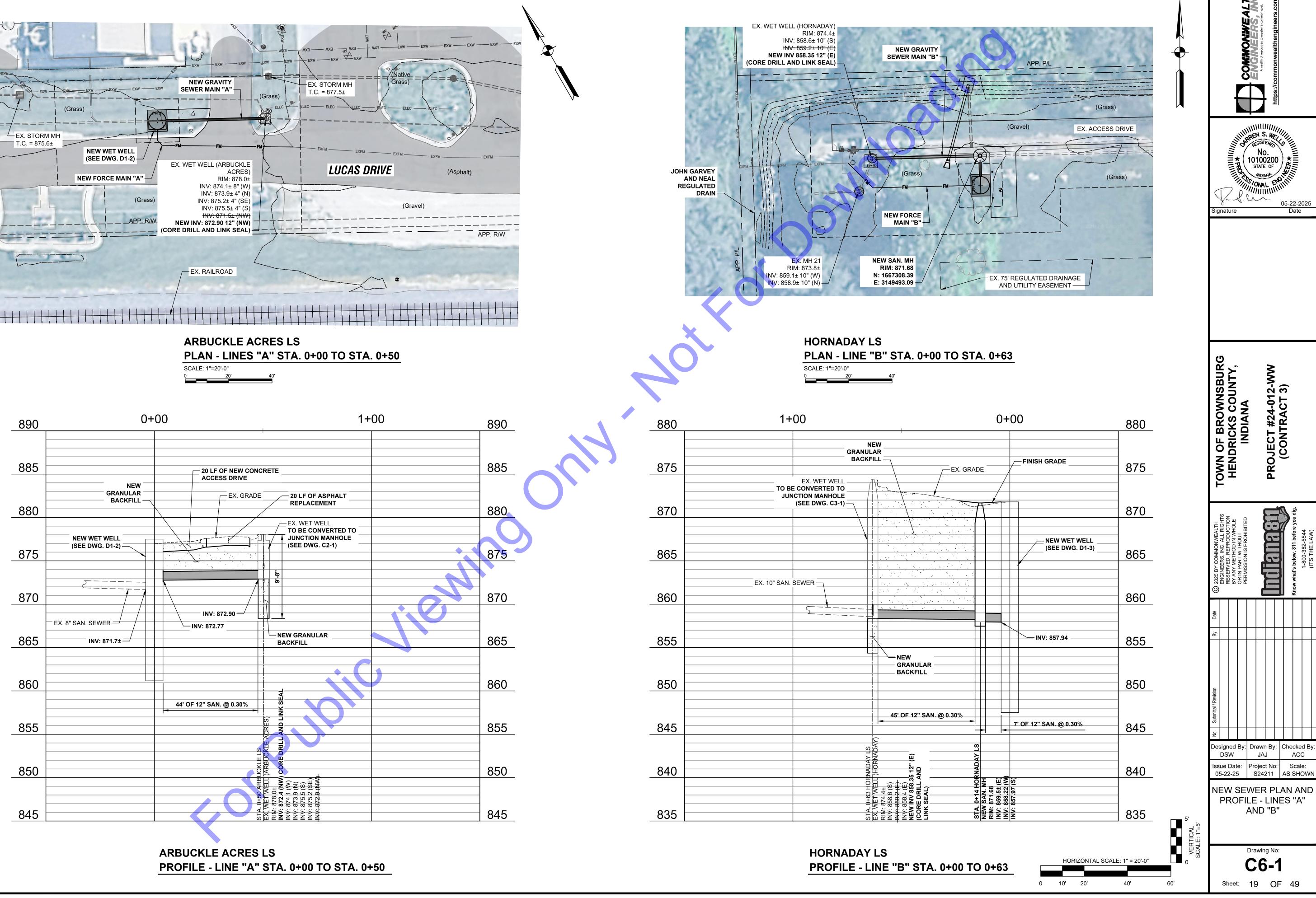
3. GEOTEXTILE PLANTING BY OTHERS. 4"-6" HARDWOOD MULCH OVER WEED BARRIER WITH 6" TOPSOIL TO GRADE.

RARY SIDEWALK SITE LOCATION COORDINATES						
	DESCRIPTION	NORTHING	EASTING			
	CORNER OF TEMPORARY SIDEWALK	1669127.59	3148228.28			
	CORNER OF TEMPORARY SIDEWALK	1669131.16	3148232.29			
	CORNER OF TEMPORARY SIDEWALK	1669229.28	3148232.68			
	CORNER OF TEMPORARY SIDEWALK	1669264.67	3148238.45			
	CORNER OF TEMPORARY SIDEWALK	1669264.67	3148226.45			
	CORNER OF TEMPORARY SIDEWALK	1669245.88	3148228.87			

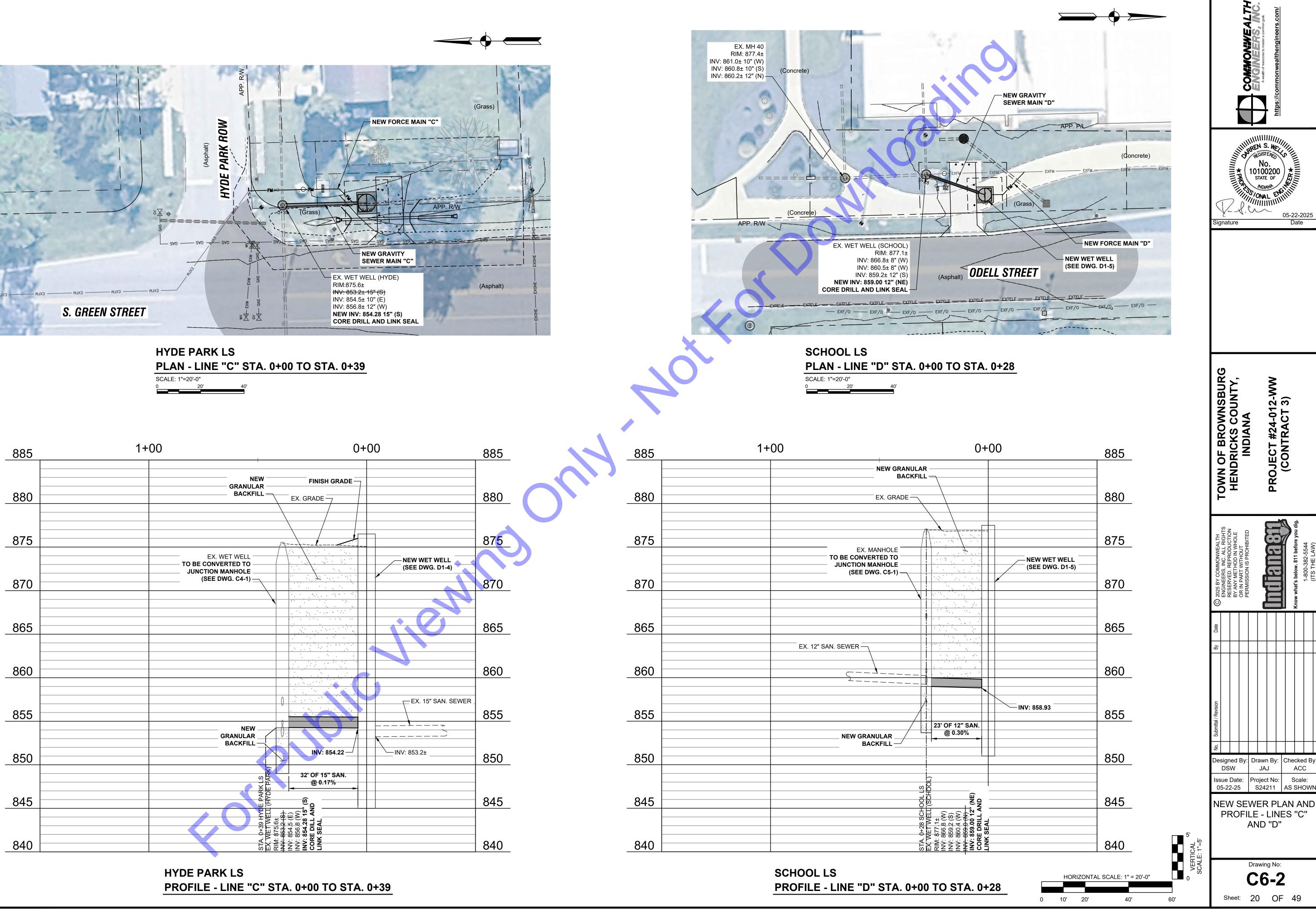
1	IANENT SIDEWALK LOCATION COORDINATES						
DESCRIPTION NORTHING EASTING							
	CORNER OF NEW PERMANENT CONC. SIDEWALK	1669122.79	3148221.85				
	CORNER OF NEW PERMANENT CONC. SIDEWALK	1669149.62	3148244.54				
	25' RADIUS TO NEW SIDEWALK E.O.P.	1669168.23	3148261.24				
	E.O.P. OF NEW PERMANENT CONC. SIDEWALK	1669183.25	3148236.23				
	E.O.P. OF NEW PERMANENT CONC. SIDEWALK	1669195.26	3148236.23				
	CORNER OF NEW PERMANENT CONC. SIDEWALK	1669264.67	3148238.45				
	CORNER OF NEW PERMANENT CONC. SIDEWALK	1669264.67	3148226.45				
	23.5' RADIUS TO NEW SIDEWALK E.O.P.	1669133.09	3148201.00				

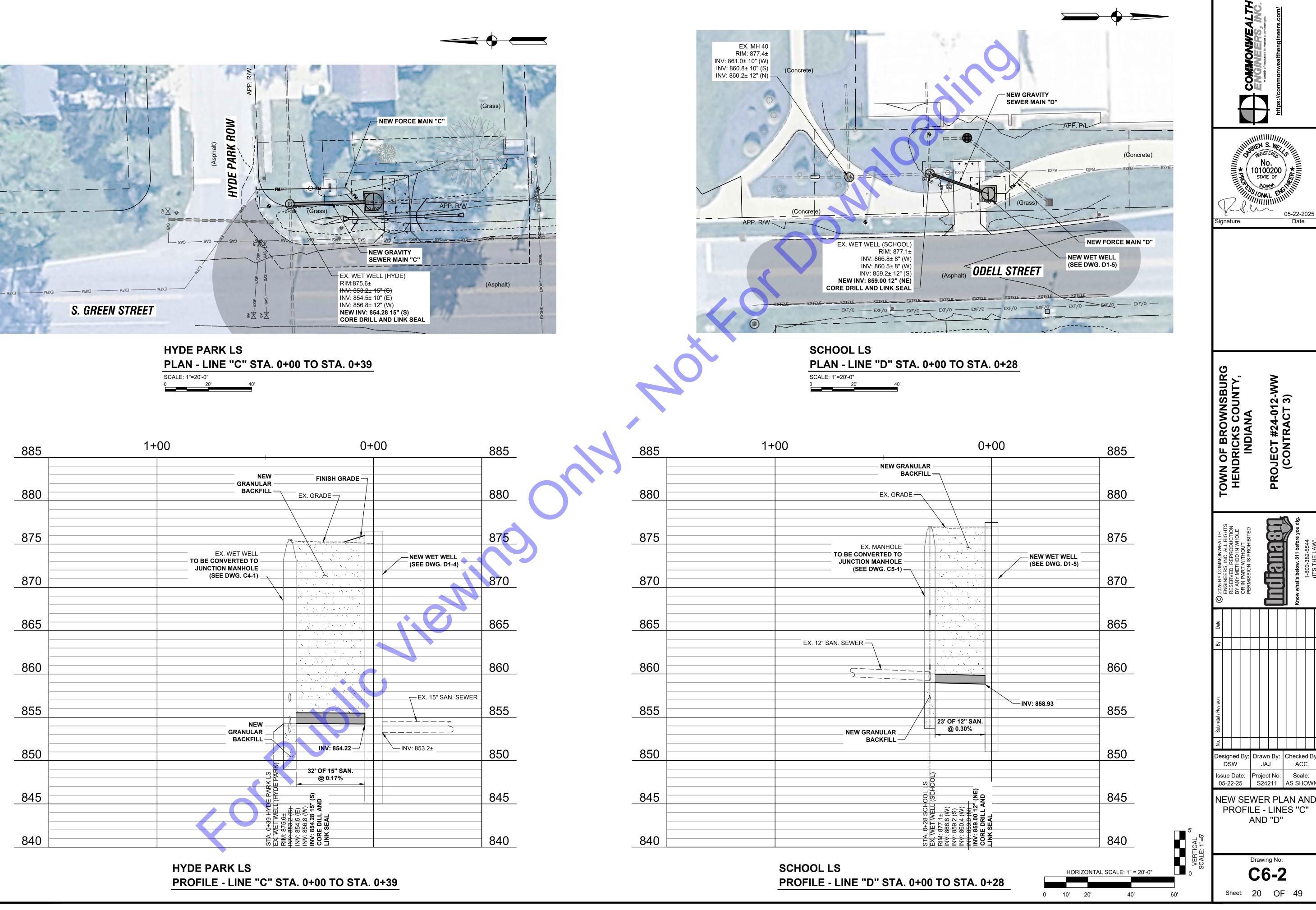
SCHOOL L.S
MANDATORY ALTERNATE 3

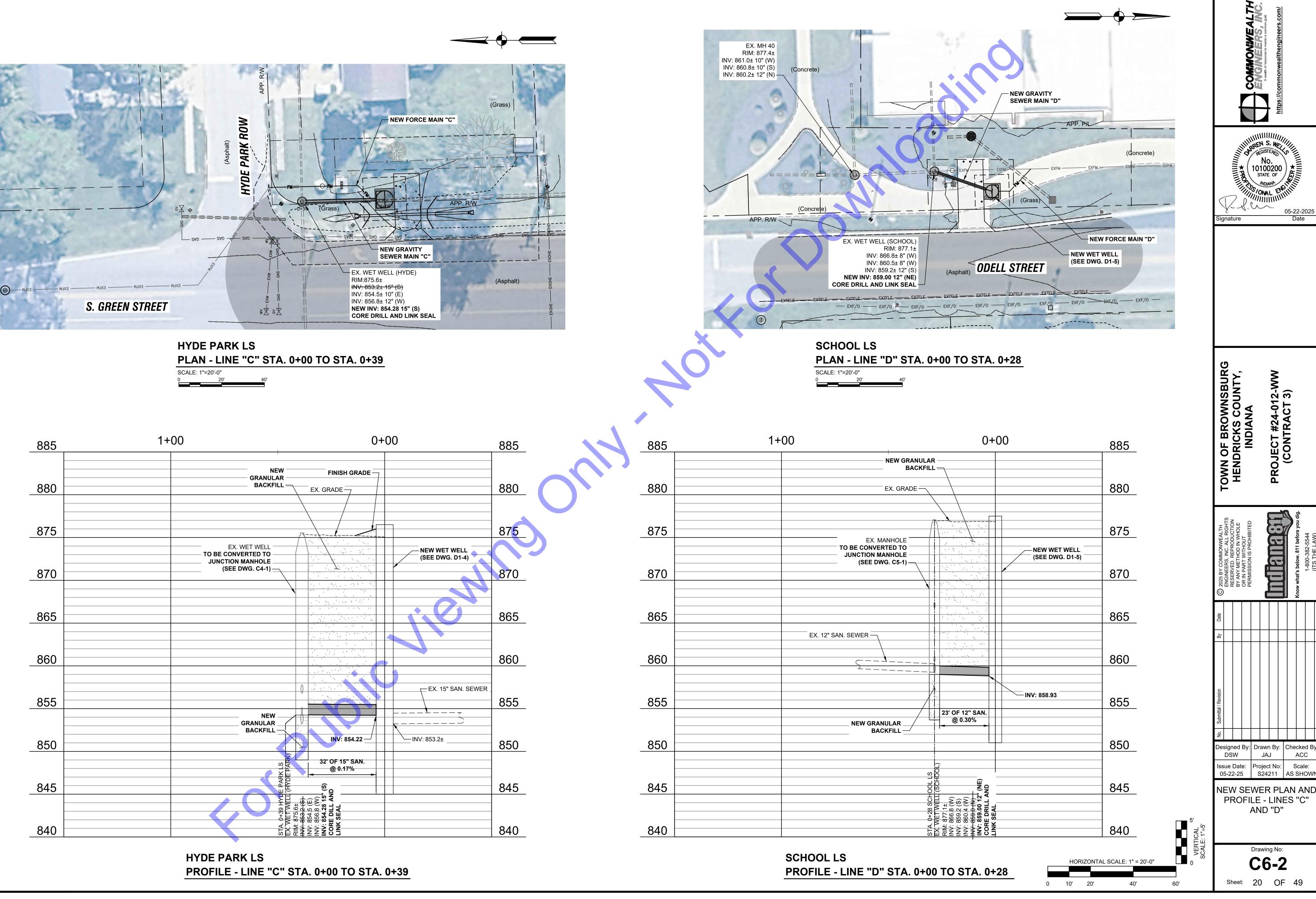


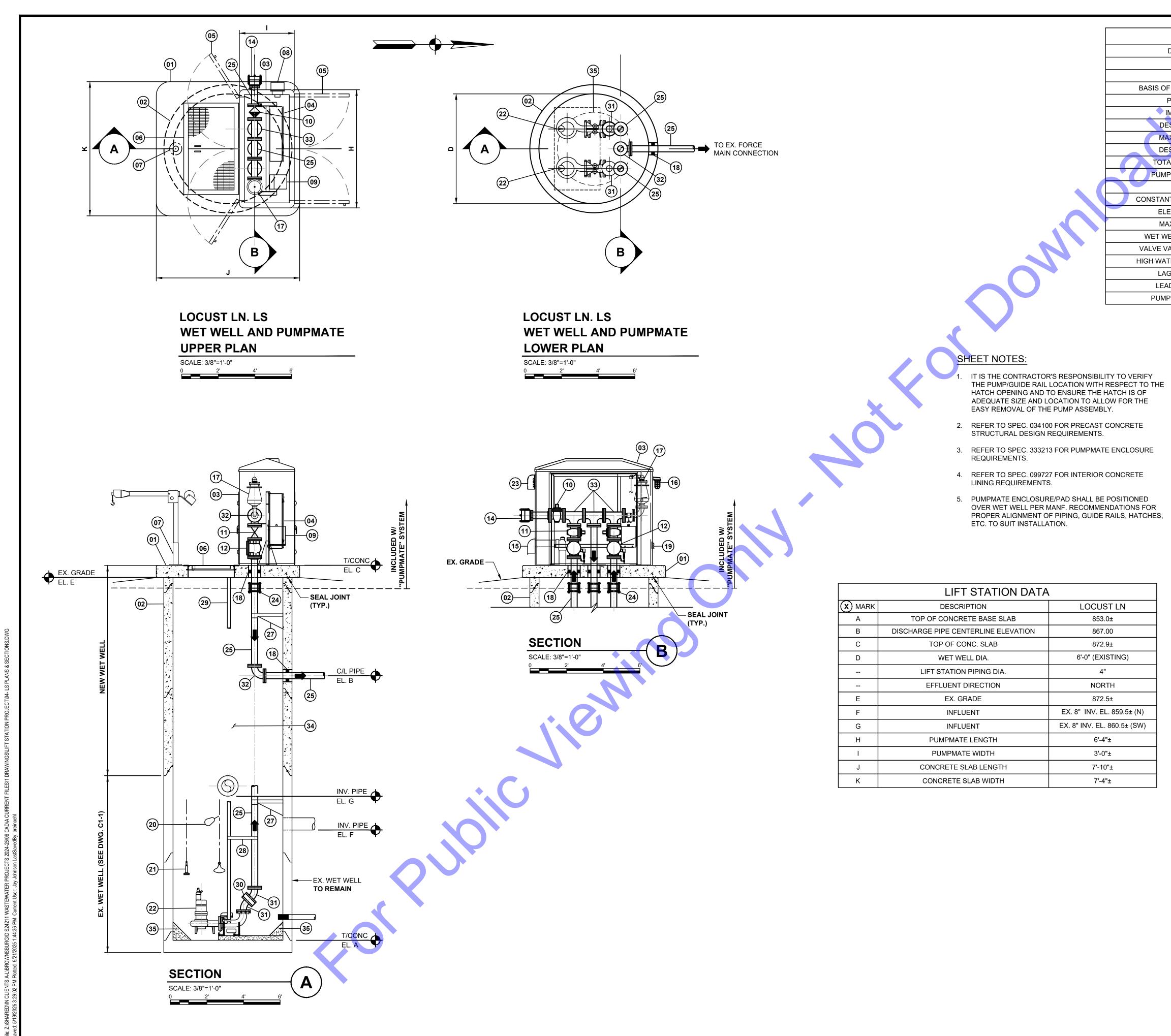










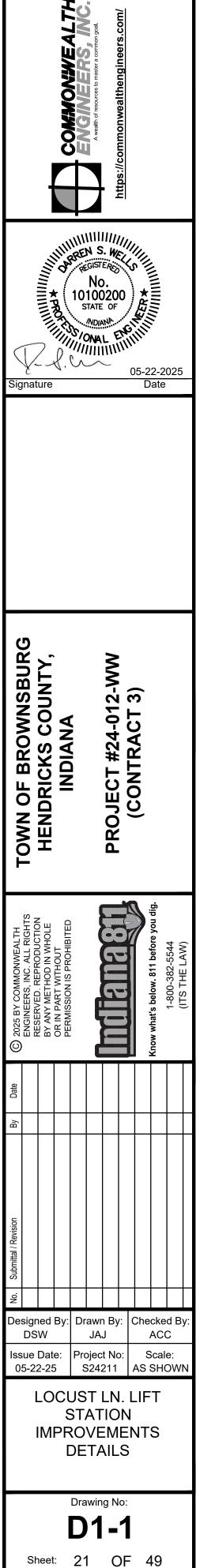


		P DATA TABLE	
DESCRIPTION		UNITS	VALUE
			TWO (2)
F DESIGN PUMP	MANF.		HYDROMATIC
PUMP. MODEL			HYDROMATIC S4NXP750EC
MPELLER SIZE		IN	7.125
ESIGN CAPACITY	(GPM	200
AX. STATIC HEAD		FT	19
SIGN C-FACTOF	२		100
AL DYNAMIC HE	AD	FT	38
P DISCHARGE S	IZE	IN	4
MOTOR HP		HP	7.5
NT OR VARIABLE	SPEED		CONSTANT
ECTRIC SERVICI	E	VOLT/Ph/Hz	230/3/60
X. PUMP SPEED)	RPM	1750
ELL CLASSIFICA			CLASS 1, DIV. 1
AULT CLASSIFIC	CATION		UNCLASSIFIED
TER ALARM ELE	VATION		859.00
G ON ELEVATIO	N		858.50
D ON ELEVATIO	N		858.00
PS OFF ELEVATI	ION		856.00
	02 03		AST CONC. WET WELL PMATE ENCLOSURE
	02	PRE-C	AST CONC. WET WELL
	04		
	05		DOUBLE DOOR
	06		
	07 08		VIT CRANE & BASE ATER (SEE ELEC.)
	08		FORMER (SEE ELEC.)
-			VE (BYPASS CONNECTION)
-	10		
	11		PLUG VALVE (TYP.) HECK VALVE (TYP.)
	12	4 0	· · · · · · · · · · · · · · · · · · ·
	13		
	14		PUMP BYPASS CONNECTION
	15 16		M LIGHT (SEE ELEC.)
	16		VALVE & AIR RELEASE LINE
-	17		SEAL & N/S GROUT BOTH SIDES
F	19	AIR INLET LOU	VER W/ FRAME W/ STANDOFF
F	20	HI	GH LEVEL FLOAT
┝	21		L TRANSDUCER ROD
F	22		BMERSIBLE PUMP
F	23		UST BLOWER W/ SCREEN HOOD
F	24		NGED COUPLING ADAPTER (TYP.)
┢	25		" D.I. PIPE (TYP.)
┢	26		NOT USED
┢	23	2	S PIPE SUPPORT
┝	28		GUIDE RAIL SUPPORT
┝	20		S.S. GUIDE RAIL
┢	30		E FILLER AS REQUIRED
\vdash	31		' 45° BEND (TYP.)
F	32		' 90° BEND (TYP.)
I	-		

33

34

35

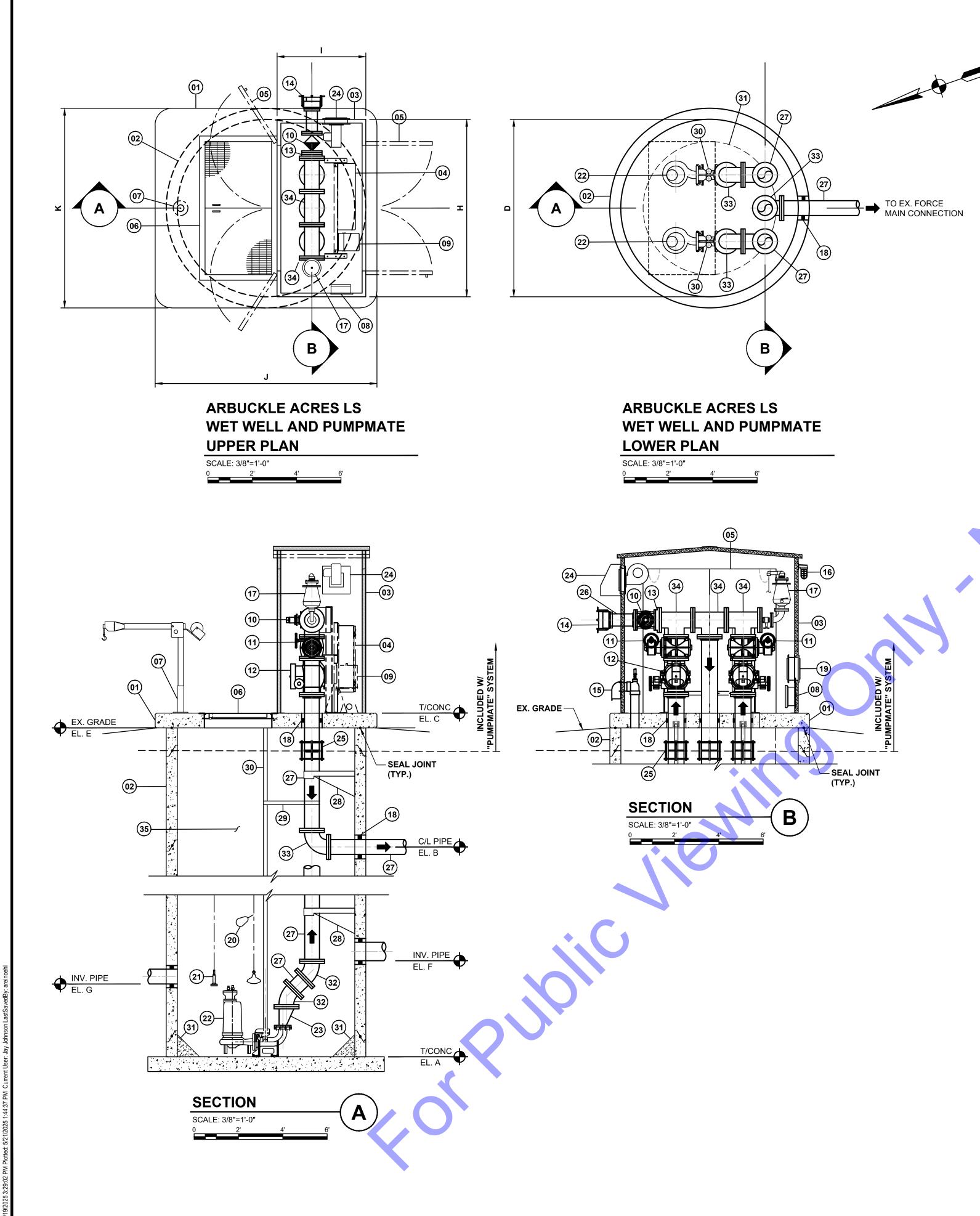


LOCUST LANE L.S. - BASE BID

4" x 4" TEE (TYP.)

INTERIOR CONCRETE LINER

SLOPED GROUT FILLET PER MANF. REC.





SHEET NOTES:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE PUMP/GUIDE RAIL LOCATION WITH RESPECT TO THE HATCH OPENING AND TO ENSURE THE HATCH IS OF ADEQUATE SIZE AND LOCATION TO ALLOW FOR THE EASY REMOVAL OF THE PUMP ASSEMBLY.
- 2. REFER TO SPEC. 034100 FOR PRECAST CONCRETE STRUCTURAL DESIGN REQUIREMENTS.
- 3. REFER TO SPEC. 333213 FOR PUMPMATE ENCLOSURE REQUIREMENTS.
- 4. REFER TO SPEC. 099727 FOR INTERIOR CONCRETE LINING REQUIREMENTS.
- 5. PUMPMATE ENCLOSURE/PAD SHALL BE POSITIONED OVER WET WELL PER MANF. RECOMMENDATIONS FOR PROPER ALIGNMENT OF PIPING, GUIDE RAILS, HATCHES, ETC. TO SUIT INSTALLATION.

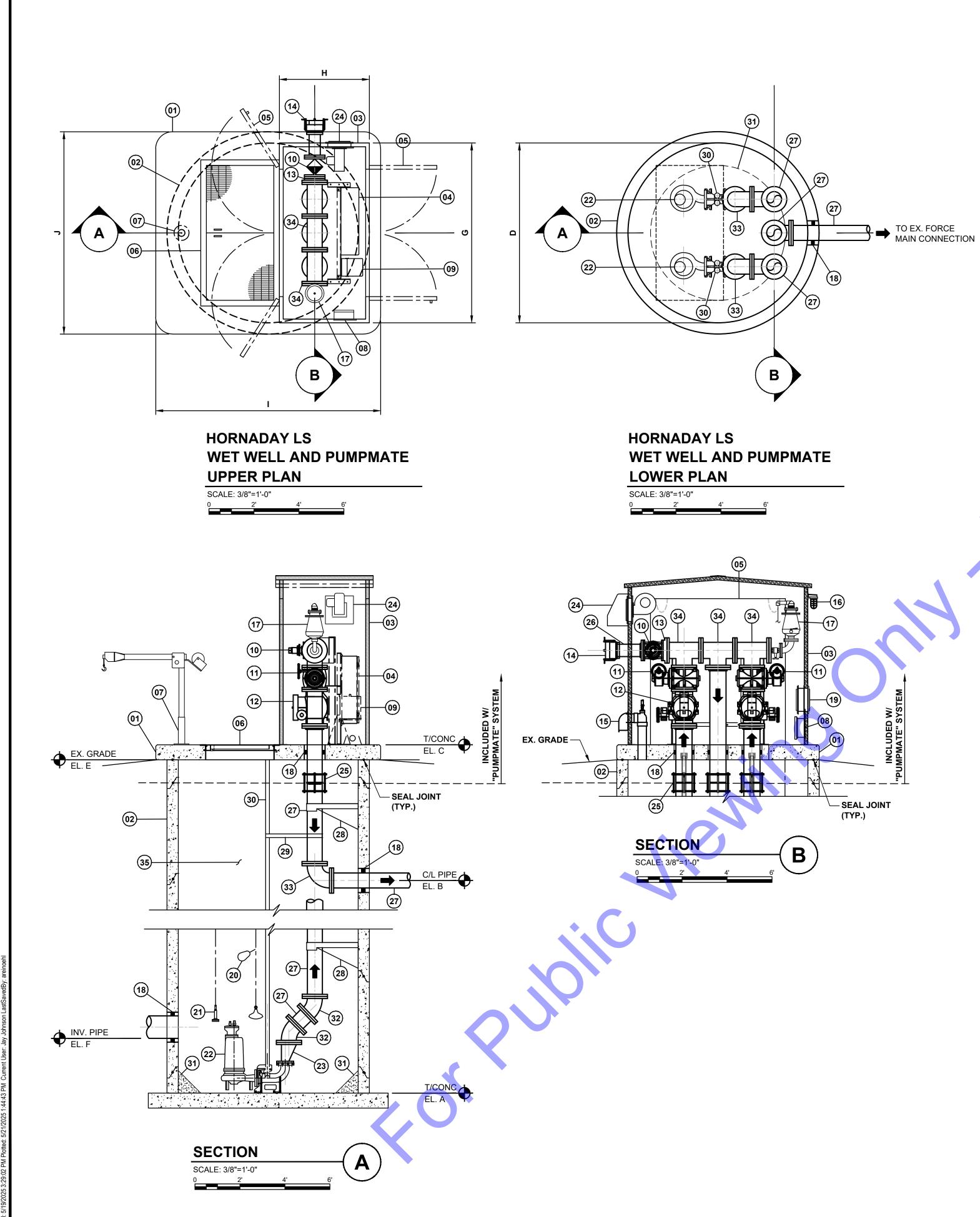
LIFT STATION DATA								
X MARK	DESCRIPTION	ARBUCKLE ACRES						
A	TOP OF CONCRETE BASE SLAB	861.2±						
В	DISCHARGE PIPE CENTERLINE ELEVATION	872.2±						
С	TOP OF STRUCTURE	877.5±						
D	WET WELL DIA.	8'-0" (NEW)						
	LIFT STATION PIPING DIA.	8"						
	EFFLUENT DIRECTION	SOUTHWEST						
E	EX. GRADE	876.8±						
F	INFLUENT	NEW 12" INV. EL 872.77 (SE)						
G	INFLUENT	8" INV. EL 871.7± (NW)						
н	PUMPMATE LENGTH	8'-0"±						
I	PUMPMATE WIDTH	4'-0"±						
J	CONCRETE SLAB LENGTH	10'-0"±						
К	CONCRETE SLAB WIDTH	9'-0"±						

PUMP DATA TABLE								
DESCRIPTION	UNITS	VALUE						
PUMP TYPE		SUBMERSIBLE CENTRIFUGAL						
QUANTITY		TWO (2)						
OF DESIGN PUMP MANF.		BBC PUMP AND EQUIPMENT CO., INC.						
PUMP. MODEL		HYDROMATIC S4KXP2500EC						
IMPELLER SIZE	IN	10.375						
ESIGN CAPACITY	GPM	560						
IAX. STATIC HEAD	FT	17.0						
ESIGN C-FACTOR	-	100						
TAL DYNAMIC HEAD	FT	96						
IP DISCHARGE SIZE	IN	4						
MOTOR HP	HP	25						
NT OR VARIABLE SPEED		CONSTANT						
LECTRIC SERVICE	VOLT/Ph/Hz	230/3/60						
IAX. PUMP SPEED	RPM	1750						
WELL CLASSIFICATION		CLASS 1, DIV. 1						
VAULT CLASSIFICATION		UNCLASSIFIED						
ATER ALARM ELEVATION		870.50						
AG ON ELEVATION		869.50						
AD ON ELEVATION		867.50						
IPS OFF ELEVATION		864.50						

LIF	LIFT STATION KEYNOTES LEGEND							
(#) MARK	DESCRIPTION							
01	PRECAST CONC. SLAB							
02	PRE-CAST CONC. WET WELL							
03	PUMPMATE ENCLOSURE							
04	CONTROL PANEL (SEE ELEC.)							
05	78" x 72" DOUBLE DOOR							
06	36" x 66" ALUMINUM ACCESS HATCH							
07	DAVIT CRANE BASE							
08	HEATER (SEE ELEC.)							
09	5 KVA TRANSFORMER (SEE ELEC.)							
10	6" PLUG VALVE (BYPASS CONNECTION)							
11	8" PLUG VALVE (TYP.)							
12	8" CHECK VALVE (TYP.)							
13	6" x 8" COMPACT FLANGE REDUCER							
14	6" EMERGENCY PUMP BYPASS CONNECTION							
15	4" WET WELL VENT PIPING W/ HOOD & SCREEN							
16	ALARM LIGHT (SEE ELEC.)							
17	AIR RELEASE VALVE & AIR RELEASE LINE							
18	CORE DRILL, LINK SEAL & N/S GROUT BOTH SIDES FLUSH (TYP.)							
19	AIR INLET LOUVER W/ FRAME W/ STANDOFF							
20	HIGH LEVEL FLOAT							
21	LEVEL TRANSDUCER ROD							
22	SUBMERSIBLE PUMP							
23	4" x 8" ECCENTRIC REDUCER							
24	LOUVERED EXHAUST BLOWER W/ SCREEN HOOD							
25	RESTRAINED FLANGED COUPLING ADAPTER (TYP.)							
26	6" D.I. PIPE (TYP.)							
27	8" D.I. PIPE (TYP.)							
28	S.S. PIPE SUPPORT							
29	S.S GUIDE RAIL SUPPORT							
30	S.S GUIDE RAIL							
31	SLOPED GROUT FILLET PER PUMP MANF. REC.							
32	8" 45° BEND (TYP.)							
33	8" 90° BEND (TYP.)							
34	8" x 8" TEE (TYP.)							
35	INTERIOR CONCRETE LINER							

And the second s						
TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA INDIANA PROJECT #24-012-WW (CONTRACT 3)						
Date C 2025 BY COMMONWEALTH ENGINEERS, INC. ALL RIGHTS RESERVED. REPRODUCTION BY ANY METHOD IN WHOLE OR IN PART WITHOUT PERMISSION IS PROHIBITED		Know what's below. 811 before you dig. 1-800-382-5544 (ITS THE LAW)				
Submittal / Revision By						
<i>ਏ</i> Designed By: DSW	Drawn By: JAJ	Checked By: ACC				
Issue Date: 05-22-25	Project No: S24211	Scale: AS SHOWN				
IMPR	LE ACR TATION OVEME DETAILS	I NTS				
	Drawing No:	2				
Sheet:	22 OF	- 49				

ARBUCKLE L.S. - BASE BID



	PUMP DATA TABLE					
	DESCRIPTION	UNITS	VALUE			
	PUMP TYPE		SUBMERSIBLE CENTRIFUGAL			
	QUANTITY		TWO (2)			
	BASIS OF DESIGN PUMP MANF.		BBC PUMP AND EQUIPMENT CO., INC.			
	PUMP. MODEL		HYDROMATIC S4KXP1000EC			
	IMPELLER SIZE	IN	9.25			
	DESIGN CAPACITY	GPM	700			
	MAX. STATIC HEAD	FT	26.5			
	DESIGN C-FACTOR		100			
	TOTAL DYNAMIC HEAD	FT	60			
	PUMP DISCHARGE SIZE	IN	4			
	MOTOR HP	HP	20			
	CONSTANT OR VARIABLE SPEED		CONSTANT			
	ELECTRIC SERVICE	VOLT/Ph/Hz	230/3/60			
	MAX. PUMP SPEED	RPM	1750			
	WET WELL CLASSIFICATION		CLASS 1, DIV. 1			
	VALVE VAULT CLASSIFICATION		UNCLASSIFIED			
	HIGH WATER ALARM ELEVATION		857.00			
	LAG ON ELEVATION		856.50			
	LEAD ON ELEVATION		855.50			
	PUMPS OFF ELEVATION		852.00			

SHEET NOTES:

- 1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE PUMP/GUIDE RAIL LOCATION WITH RESPECT TO THE HATCH OPENING AND TO ENSURE THE HATCH IS OF ADEQUATE SIZE AND LOCATION TO ALLOW FOR THE EASY REMOVAL OF THE PUMP ASSEMBLY.
- 2. REFER TO SPEC. 034100 FOR PRECAST CONCRETE STRUCTURAL DESIGN REQUIREMENTS.
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- 4. REFER TO SPEC. 099727 FOR INTERIOR CONCRETE LINING REQUIREMENTS.
- 5. PUMPMATE ENCLOSURE/PAD SHALL BE POSITIONED OVER WET WELL PER MANF. RECOMMENDATIONS FOR PROPER ALIGNMENT OF PIPING, GUIDE RAILS, HATCHES, ETC. TO SUIT INSTALLATION.

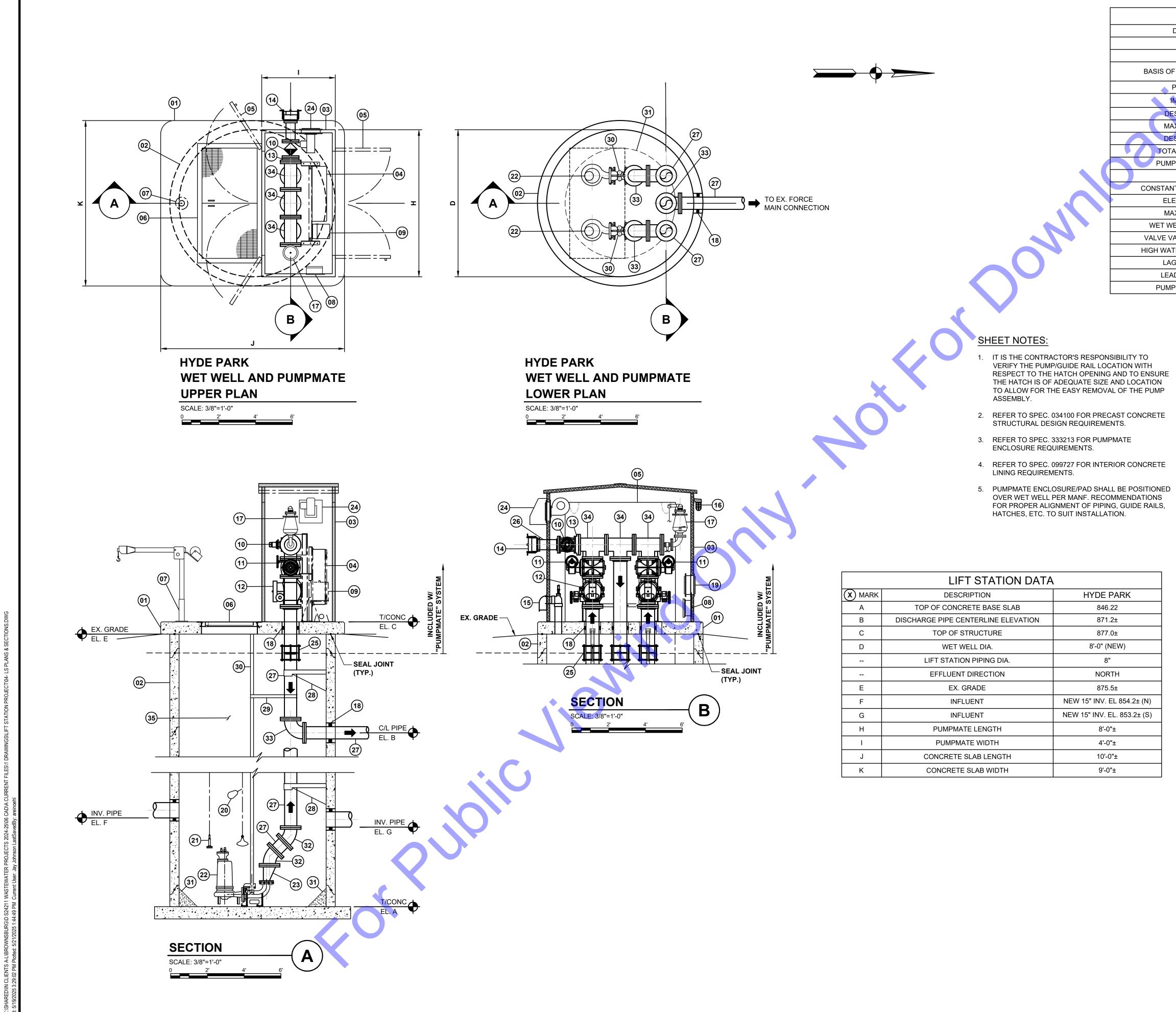
LIFT STATION DATA								
X MARK	DESCRIPTION	HORNADAY						
A	TOP OF CONCRETE BASE SLAB	848.50						
В	DISCHARGE PIPE CENTERLINE ELEVATION	867.00						
С	TOP OF STRUCTURE	873.20						
D	WET WELL DIA.	8'-0" (NEW)						
	LIFT STATION PIPING DIA.	8"						
	EFFLUENT DIRECTION	WEST						
E	EX. GRADE	872.5±						
F INFLUENT		NEW 12" INV. EL 857.94 (N)						
G	PUMPMATE LENGTH	8'-0"±						
H PUMPMATE WIDTH		4'-0"±						
I	CONCRETE SLAB LENGTH	10'-0"±						
J	CONCRETE SLAB WIDTH	9'-0"±						

No. A walk of resources to master a common goal. A market a common goal. A market a common goal.											
No. 10100200 STATE OF NDIANA ONAL FINITURE 05-22-2025 Signature Date											
TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA					PROJECT #24-012-WW (CONTRACT 3)						
C 2025 BY COMMONWEALTH	ENGINEERS, INC. ALL RIGHTS DESEDVED, DEDPODITICTION	BY ANY METHOD IN WHOLE	OR IN PART WITHOUT PERMISSION IS PROHIBITED						Know what's below. 811 before you dig.	1-800-382-5544 //TS THE 1 4///	
By Date											
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0		2-25 HC	DR SPF [N/ ST. DE	AT VE TA	AY IC EM	E S	NT	Т	OW	N
	Sh	neet			win 1		3) :	19		

# MARK	DESCRIPTION
01	PRECAST CONC. SLAB
02	PRE-CAST CONC. WET WELL
03	PUMPMATE ENCLOSURE
04	CONTROL PANEL (SEE ELEC.)
05	78" x 72" DOUBLE DOOR
06	36" x 66" ALUMINUM ACCESS HATCH
07	DAVIT CRANE BASE
08	HEATER (SEE ELEC.)
09	5 KVA TRANSFORMER (SEE ELEC.)
10	6" PLUG VALVE (BYPASS CONNECTION)
11	8" PLUG VALVE (TYP.)
12	8" CHECK VALVE (TYP.)
13	6" x 8" COMPACT FLANGE REDUCER
14	6" EMERGENCY PUMP BYPASS CONNECTION
15	4" WET WELL VENT PIPING W/ HOOD & SCREEN
16	ALARM LIGHT (SEE ELEC.)
17	AIR RELEASE VALVE & AIR RELEASE LINE
18	CORE DRILL, LINK SEAL & N/S GROUT BOTH SIDES FLUSH (TYP.)
19	AIR INLET LOUVER W/ FRAME W/ STANDOFF
20	HIGH LEVEL FLOAT
21	LEVEL TRANSDUCER ROD
22	SUBMERSIBLE PUMP
23	4" x 8" ECCENTRIC REDUCER
24	LOUVERED EXHAUST BLOWER W/ SCREEN HOOD
25	FLANGED COUPLING ADAPTER (TYP.)
26	6" D.I. PIPE (TYP.)
27	8" D.I. PIPE (TYP.)
28	S.S. PIPE SUPPORT
29	S.S GUIDE RAIL SUPPORT
30	S.S GUIDE RAIL
31	SLOPED GROUT FILLET PER PUMP MANF. REC.
32	8" 45° BEND (TYP.)
33	8" 90° BEND (TYP.)
34	8" x 8" TEE (TYP.)
35	INTERIOR CONCRETE LINER

LIFT STATION KEYNOTES LEGEND

HORNADAY L.S. -MANDATORY ALTERNATE 1



	INCLUDED W/
25 SECTION SCALE: 3/8"=1'-0" 0 2'	SEAL JOINT (TYP.)

LIFT STATION DATA						
X MARK	DESCRIPTION	HYDE PARK				
A	TOP OF CONCRETE BASE SLAB	846.22				
В	DISCHARGE PIPE CENTERLINE ELEVATION	871.2±				
С	TOP OF STRUCTURE	877.0±				
D	WET WELL DIA.	8'-0" (NEW)				
	LIFT STATION PIPING DIA.	8"				
	EFFLUENT DIRECTION	NORTH				
E	EX. GRADE	875.5±				
F	INFLUENT	NEW 15" INV. EL 854.2± (N)				
G	INFLUENT	NEW 15" INV. EL. 853.2± (S)				
н	PUMPMATE LENGTH	8'-0"±				
I	PUMPMATE WIDTH	4'-0"±				
J	CONCRETE SLAB LENGTH	10'-0"±				
К	CONCRETE SLAB WIDTH	9'-0"±				

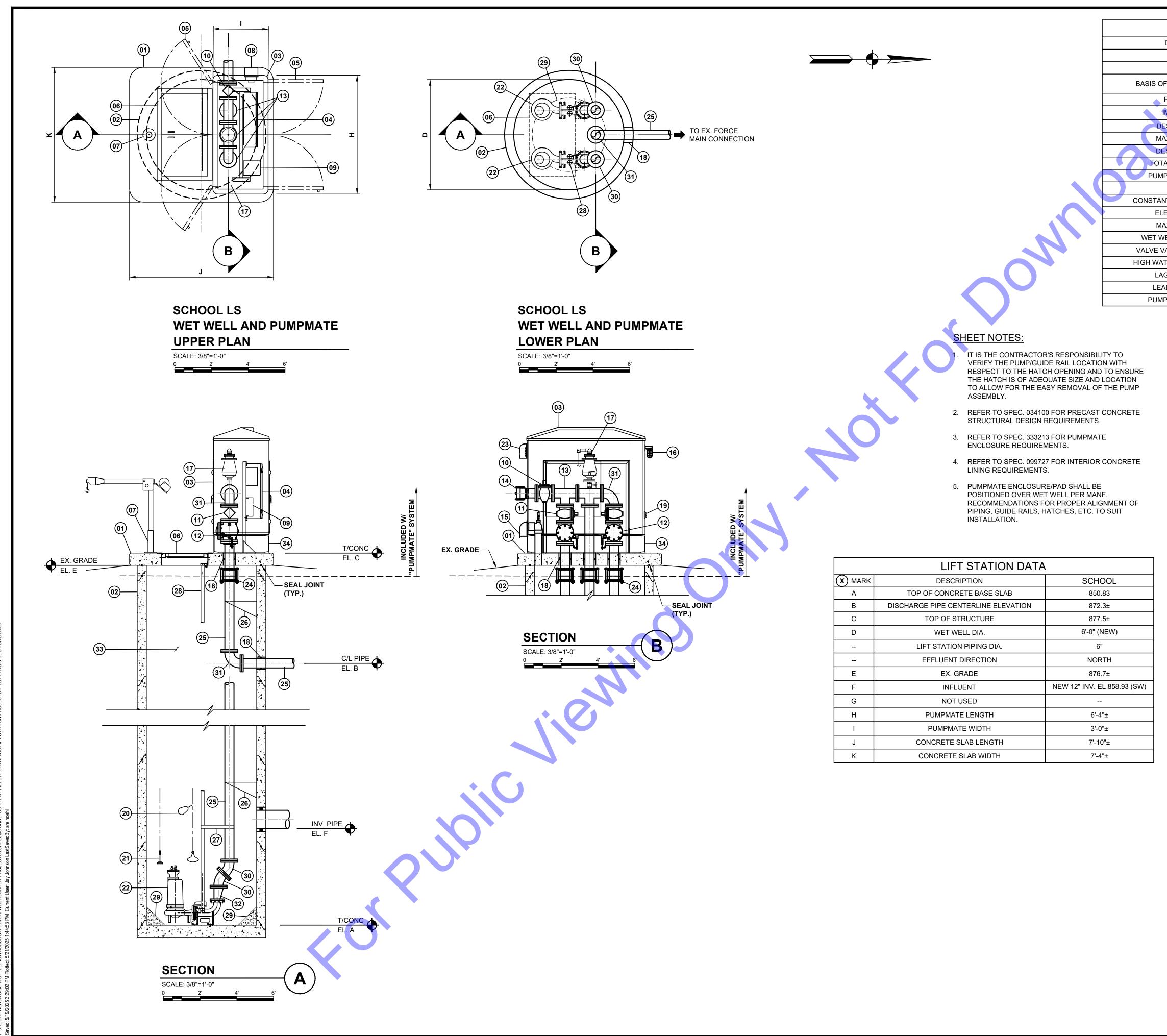
PUMP DATA TABLE									
DESCRIPTION	UNITS	VALUE							
PUMP TYPE		SUBMERSIBLE CENTRIFUGAL							
QUANTITY		TWO (2)							
OF DESIGN PUMP MANF.		BBC PUMP AND EQUIPMENT CO., INC.							
PUMP. MODEL		HYDROMATIC S4MXP750EC							
IMPELLER SIZE	IN	7.75							
ESIGN CAPACITY	GPM	550							
IAX. STATIC HEAD	FT	31.3							
ESIGN C-FACTOR		100							
TAL DYNAMIC HEAD	FT	35							
MP DISCHARGE SIZE	IN	4							
MOTOR HP	HP	10							
NT OR VARIABLE SPEED		CONSTANT							
LECTRIC SERVICE	VOLT/Ph/Hz	230/3/60							
IAX. PUMP SPEED	RPM	1750							
WELL CLASSIFICATION		CLASS 1, DIV. 1							
VAULT CLASSIFICATION		UNCLASSIFIED							
ATER ALARM ELEVATION		853.70							
AG ON ELEVATION		853.20							
AD ON ELEVATION		852.20							
IPS OFF ELEVATION		849.20							

LIF	T STATION KEYNOTES LEGEND
(#) MARK	DESCRIPTION
01	PRECAST CONC. SLAB
02	PRE-CAST CONC. WET WELL
03	PUMPMATE ENCLOSURE
04	CONTROL PANEL (SEE ELEC.)
05	78" x 72" DOUBLE DOOR
06	36" x 66" ALUMINUM ACCESS HATCH
07	DAVIT CRANE BASE
08	HEATER (SEE ELEC.)
09	5 KVA TRANSFORMER (SEE ELEC.)
10	6" PLUG VALVE (BYPASS CONNECTION)
11	8" PLUG VALVE (TYP.)
12	8" CHECK VALVE (TYP.)
13	6" x 8" COMPACT FLANGE REDUCER
14	6" EMERGENCY PUMP BYPASS CONNECTION
15	4" WET WELL VENT PIPING W/ HOOD & SCREEN
16	ALARM LIGHT (SEE ELEC.)
17	AIR RELEASE VALVE & AIR RELEASE LINE
18	CORE DRILL, LINK SEAL & N/S GROUT BOTH SIDES FLUSH (TYP.)
19	AIR INLET LOUVER W/ FRAME W/ STANDOFF
20	HIGH LEVEL FLOAT
21	LEVEL TRANSDUCER ROD
22	SUBMERSIBLE PUMP
23	4" x 8" ECCENTRIC REDUCER
24	LOUVERED EXHAUST BLOWER W/ SCREEN HOOD
25	FLANGED COUPLING ADAPTER (TYP.)
26	6" D.I. PIPE (TYP.)
27	8" D.I. PIPE (TYP.)
28	S.S. PIPE SUPPORT
29	S.S GUIDE RAIL SUPPORT
30	S.S GUIDE RAIL
31	SLOPED GROUT FILLET PER PUMP MANF. REC.
32	8" 45° BEND (TYP.)
33	8" 90° BEND (TYP.)
34	8" x 8" TEE (TYP.)
35	

And the second s								
TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA	TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA PROJECT #24-012-WW (CONTRACT 3)							
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DSW Issue Date: Pro 05-22-25 S HYDE I ST IMPRO	awn By: JAJ Checked By: ACC Diject No: S24211 Checked By: ACC Scale: AS SHOWN CARK LIFT ATION VEMENTS TAILS							

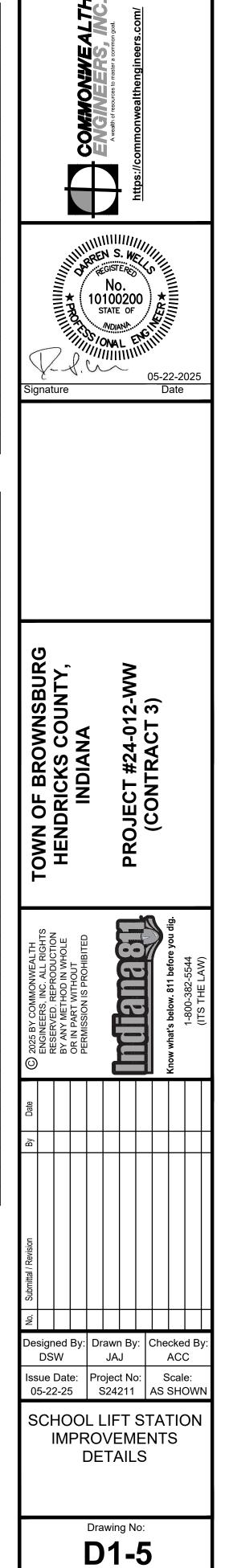
Sheet: 24 OF

HYDE PARK L.S
MANDATORY ALTERNATE 2



PUMP DATA TABLE									
DESCRIPTION	UNITS	VALUE							
PUMP TYPE		SUBMERSIBLE CENTRIFUGAL							
QUANTITY		TWO (2)							
OF DESIGN PUMP MANF.		BBC PUMP AND EQUIPMENT CO., INC.							
PUMP. MODEL		HYDROMATIC S4MXP750EC							
IMPELLER SIZE	IN	7.375							
ESIGN CAPACITY	GPM	300							
IAX. STATIC HEAD	FT	26.70							
ESIGN C-FACTOR	-	100							
TAL DYNAMIC HEAD	FT	40							
IP DISCHARGE SIZE	IN	4							
MOTOR HP	HP	7.5							
NT OR VARIABLE SPEED		CONSTANT							
LECTRIC SERVICE	VOLT/Ph/Hz	460/3/60							
IAX. PUMP SPEED	RPM	1750							
WELL CLASSIFICATION		CLASS 1, DIV. 1							
VAULT CLASSIFICATION		UNCLASSIFIED							
ATER ALARM ELEVATION		858.30							
AG ON ELEVATION		857.80							
AD ON ELEVATION		856.80							
IPS OFF ELEVATION		853.80							

LIF	T STATION KEYNOTES LEGEND
(#) MARK	DESCRIPTION
01	7'-2" x 7'-4" PRECAST CONC. SLAB
02	6' DIA. PRE-CAST CONC. WET WELL
03	PUMPMATE ENCLOSURE
04	CONTROL PANEL (SEE ELEC.)
05	DOUBLE DOOR
06	30" x 54" ALUMINUM ACCESS HATCH
07	DAVIT CRANE BASE
08	HEATER (SEE ELEC.)
09	TRANSFORMER (SEE ELEC.)
10	6" PLUG VALVE (BYPASS CONNECTION)
11	6" PLUG VALVE (TYP.)
12	6" CHECK VALVE (TYP.)
13	6" x 6" TEE (TYP.)
14	6" EMERGENCY PUMP BYPASS CONNECTION
15	4" WET WELL VENT PIPING W/ HOOD & SCREEN
16	ALARM LIGHT (SEE ELEC.)
17	3/4" MANUAL BALL VALVE AIR RELEASE LINE
18	CORE DRILL, LINK SEAL & N/S GROUT BOTH SIDES FLUSH (TYP.)
19	AIR INLET LOUVER W/ FRAME W/ STANDOFF
20	HIGH LEVEL FLOAT
21	LEVEL TRANSDUCER ROD
22	SUBMERSIBLE PUMP
23	LOUVERED EXHAUST BLOWER W/ SCREEN HOOD
24	FLANGED COUPLING ADAPTER (TYP.)
25	6" D.I. PIPE (TYP.)
26	S.S. PIPE SUPPORT
27	S.S GUIDE RAIL SUPPORT
28	S.S GUIDE RAIL
29	SLOPED GROUT FILLET PER MANF. REC.
30	6" 45° BEND (TYP.)
31	6" 90° BEND (TYP.)
32	4" x 6" ECCENTRIC REDUCER
33	INTERIOR CONCRETE LINER
34	12" ALUM. CHANNEL / RISER



Sheet: 25 OF 49

SCHOOL L.S. -MANDATORY ALTERNATE 3

CONSTRUCTION/STORMWATER POLLUTION PREVENTION PLAN

TOWN OF BROWNSBURG, HENDRICKS CO., IN LIFT STATION DRY PIT CONVERSIONS (CONTRACT 3) CONSTRUCTION

Plan Preparer: Gillian Rockwell Address: 7256 Company Drive	Affiliation: Common	nwealth Engineers, Inc.
City: Indianapolis	State: IN	Zip: 46237
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Project Site Owner: Town of Brow	vnsburg Company	/ Name (if applicable):
Address: 61 N Green Street		
Town: Brownsburg	State: IN	Zip: 46112
Phone: 317.852.1120	Cell Phone:	Email:

<u>EXHIBITS</u>

EXHIBIT #1 FEMA FLOODPLAIN MAP EXHIBIT #2 LAND USE MAP EXHIBIT #3 NRCS HYDRIC SOILS MAP EXHIBIT #4 WETLANDS MAP EXHIBIT #5 SURFACE WATERS MAP

CONSTRUCTION PLAN - GENERAL PLAN COMPONENTS (SECTION A)

A1 INDEX OF THE LOCATION OF REQUIRED PLAN ELEMENTS IN THE CONSTRUCTION PLAN:

THIS DOCUMENT REPRESENTS THE PLAN INDEX. THE CONTENT IS ORGANIZED AROUND THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT CONSTRUCTION STORMWATER GENERAL PERMIT CONSTRUCTION/STORMWATER POLLUTION PREVENTION PLAN DEVELOPMENT GUIDANCE. DETAILS ARE SPECIFIC TO THE TOWN OF BROWNSBURG LIFT STATION DRY PIT CONVERSIONS (CONTRACT 3) CONSTRUCTION.

A2 A VICINITY MAP DEPICTING THE PROJECT SITE LOCATION IN RELATIONSHIP TO RECOGNIZABLE LOCAL LANDMARKS, TOWNS AND MAJOR ROADS:

THIS INFORMATION HAS BEEN INCLUDED AND IS SHOWN IN THE PLANS. A USGS SITE MAP ILLUSTRATING THE APPROXIMATE EXTENT OF THE PROJECT IS ALSO SHOWN IN THE PLANS. ALL CONSTRUCTION WILL TAKE PLACE IN EXISTING AND NEW RIGHTS-OF-WAY OR REGULATED DRAIN EASEMENTS.

A3 NARRATIVE OF THE NATURE AND PURPOSE OF THE PROJECT:

THE TOWN OF BROWNSBURG IS IN NEED OF IMPROVEMENTS TO FIVE (5) LIFT STATIONS: ARBUCKLE LIFT STATION LOCATED AT 6958 LUCAS DRIVE, LOCUST LANE LIFT STATION LOCATED AT 816 LOCUST LANE, HORNADAY LIFT STATION LOCATED AT 1400 HORNADAY ROAD, HYDE PARK LIFT STATION LOCATED AT 1001 S GREEN STREET, AND SCHOOL LIFT STATION LOCATED AT 1016 S ODELL STREET IN BROWNSBURG, INDIANA.

THE PROPOSED PROJECT IS SHOWN IN THE PLAN SHEETS. THE GENERAL LOCATION OF THE PROJECT IS SHOWN ON A USGS TOPOGRAPHIC MAP IN THE PLANS.

A4 LATITUDE AND LONGITUDE TO THE NEAREST FIFTEEN (15) SECONDS:

THIS APPROXIMATE LATITUDE AND LONGITUDE FOR THE PROJECT SITES ARE IN THE FOLLOWING TABLE FOR EACH SITE.

SITE NAME	LATITUDE	LONGITUDE
LOCUST LN. LIFT STATION	39.831269	-86.406094
HYDE PARK LIFT STATION	39.828971	-86.401046
ARBUCKLE ACRES LIFT STATION	39.848478	-86.402412
SCHOOL LIFE STATION	39.829033	-86.387274
HORNADAY LIFE STATION	39.823867	-86.383032

A5 LEGAL DESCRIPTION OF THE PROJECT SITE:

THE TOWN OF BROWNSBURG IS IN LINCOLN TOWNSHIP, HENDRICKS COUNTY, INDIANA. THE PROJECT AREA IS LOCATED IN T16N R1E 11, T16N R1E 13, AND T16N R1E 14.

A6 11X 17-INCH PLAT SHOWING BUILDING LOT NUMBERS/BOUNDARIES AND ROAD LAYOUT/NAMES:

ALL LOT BOUNDARIES AND ROAD NAMES ARE SHOWN ON THE PLANS. ALL CONSTRUCTION WILL TAKE PLACE IN EXISTING RIGHT OF WAYS, UTILITY EASEMENTS, OR LAND OWNED BY THE TOWN. A USGS MAP ILLUSTRATING THE APPROXIMATE EXTENT OF THE PROJECT IS SHOWN IN THE PLANS.

A7 BOUNDARIES OF THE ONE HUNDRED (100) YEAR FLOODPLAINS, FLOODWAY FRINGES, AND FLOODWAYS:

THE FLOODPLAINS, FLOODWAY FRINGES, AND FLOODWAYS LOCATED WITHIN THE PROJECT AREA ARE SHOWN IN EXHIBIT #1. WORK WITHIN THE FLOODWAY AND FLOOD FRINGES IS NOT ANTICIPATED.

A8 LAND USE OF ALL ADJACENT PROPERTIES:

LAND USE AT THE PROJECT SITE AND THE SURROUNDING AREAS IS SHOWN IN **EXHIBIT #2**. LAND USE IN THE PROJECT SITE IS PRIMARILY DEVELOPED LOW INTENSITY AND DEVELOPED MEDIUM INTENSITY. LAND USE ADJACENT TO THE PROJECT SITE INCLUDES DECIDUOUS FOREST AND CULTIVATED CROPS.

A9 IDENTIFICATION OF A U.S. EPA APPROVED OR ESTABLISHED TMDL:

THE PROJECT AREA IS LOCATED WITHIN THE ABNER CREEK-WHITE LICK CREEK (051202011303) AND WILEY THOMPSON DITCH-WHITE LICK CREEK (051202011302) WATERSHEDS. WHITE LICK CREEK AND WHITE LICK CREEK - UNNAMED TRIBUTARY ARE LOCATED NEAR THE PROJECT SITE. WHITE LICK CREEK AND THE UNNAMED TRIBUTARY ARE NOT INCLUDED IN AN APPROVED TMDL.

A10 NAME(S) OF THE RECEIVING WATER(S):

THE RECEIVING WATERS IN THE AREA ADJACENT TO THE PROJECT ARE WHITE LICK CREEK AND THE WHITE LICK CREEK - UNNAMED TRIBUTARY.

A11 IDENTIFICATION OF DISCHARGES TO A WATER ON THE CURRENT 303(D) LIST OF IMPAIRED WATERS AND THE POLLUTANT FOR WHICH IT IS IMPAIRED:

WHITE LICK CREEK IS LISTED ON THE CURRENT 303(D) LIST OF IMPAIRED WATERS FOR E. COLI

A12 SOILS MAP OF THE PREDOMINATE SOIL TYPES:

THE SOILS MAP FOR THIS PROJECT IS SHOWN IN **EXHIBIT #3**. THE SOILS IN THE PROJECT AREA CONSIST MAINLY OF "YCLA" "CROSBY SILT LOAM, FINE LOAMY SUBSOIL - URBAN LAND COMPLEX, 0-2% SLOPES," "GN" "GENESEE SILT LOAM, 0-2% SLOPES," AND "YBVA" "BROOKSTON SILTY CLAY LOAM - URBAN LAND COMPLEX, 0-2% SLOPES."

CONSTRUCTION PROJECTS ARE NOT EXPECTED TO HAVE ANY DETRIMENTAL, LONG-TERM IMPACT ON THE SOILS. SHORT-TERM IMPACTS WILL RELATE ONLY TO EXCAVATION ACTIVITIES FOR THE PROPOSED SYSTEM IMPROVEMENTS AND WILL BE MINIMAL. THESE IMPACTS CAN BE MITIGATED USING APPROPRIATE TECHNIQUES FOR EROSION CONTROL AND SURFACE RESTORATION DURING AND AFTER CONSTRUCTION.

SEASONAL WETNESS IS LIKELY TO BE THE MAIN LIMITATION OF THE SOIL IN THE CONSTRUCTION AREA. FOR THIS PROJECT, CONSTRUCTION PROBLEMS ASSOCIATED WITH WET SOILS WILL BE BEST OVERCOME BY COMPLETING OPEN EXCAVATION WORK DURING FAVORABLE CONDITIONS AND COORDINATING WORK ACTIVITIES BASED UPON WEATHER AND SOIL CONDITIONS. UNDER SEVERE SOIL WETNESS CONDITIONS, QUICKLIME MAY BE USED TO HELP DRY WET SOIL FOR SITE ACCESS PURPOSES AND TO REDUCE DOWNTIME. THE DEPTH TO WATER TABLE IN THE PROJECT AREA VARIES FROM 0 CM TO GREATER THAN 200 CM.

A13 IDENTIFICATION AND LOCATION OF ALL KNOWN WETLANDS, LAKES, AND WATER COURSES ON OR ADJACENT TO THE PROJECT SITE (CONSTRUCTION PLAN, EXISTING LAYOUT):

ALL WETLANDS, LAKES, AND WATER COURSES LOCATED WITHIN AND NEAR THE PROJECT AREA HAVE BEEN IDENTIFIED AND ARE SHOWN IN EXHIBIT #4 AND EXHIBIT #5. THIS PROJECT WILL AVOID CROSSING THE WETLAND WHERE POSSIBLE. THE MAJOR WATERWAY IN THE PROJECT AREA IS WHITE LICK CREEK. A NEW PERMANENT UTILITY EASEMENT WILL BE PUT IN PLACE AT THE LOCUST LIFT STATION AND THE SCHOOL LIFT STATION. HORNADAY LIFT STATION IMPROVEMENTS ARE ALONG AN UNNAMED TRIBUTARY OF WHITE LICK CREEK, BUT ALL WORK WILL BE ON ALREADY DISTURBED LAND AND WILL AVOID ANY IMPACT TO THE STREAM.

A14 IDENTIFICATION OF ANY OTHER STATE OR FEDERAL WATER QUALITY PERMITS OR AUTHORIZATIONS THAT ARE REQUIRED FOR CONSTRUCTION ACTIVITIES:

NO DNR CONSTRUCTION IN A FLOODWAY PERMIT IS REQUIRED. A 401 WATER QUALITY CERTIFICATION AND 404 FROM THE USACE IS NOT DETERMINED TO BE NECESSARY FOR THIS PROJECT.

IF ANY OTHER WATER QUALITY PERMITS ARE DETERMINED TO BE REQUIRED BY THE PROJECT. EACH WILL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.

A15 IDENTIFICATION AND DELINEATION OF EXISTING VEGETATIVE COVER, INCLUDING NATURAL BUFFERS:

LAND USE AT THE PROJECT SITE AND THE SURROUNDING AREAS IS SHOWN IN EXHIBIT #2. LAND USE IN THE PROJECT SITE IS PRIMARILY DEVELOPED LOW AND MEDIUM INTENSITY. LAND USE ADJACENT TO THE PROJECT AREAS ARE DEVELOPED OPEN SPACE AND DECIDUOUS FOREST.

WORK WILL BE WITHIN ROAD RIGHTS-OF-WAY, UTILITY RIGHTS-OF-WAY, REGULATED DRAIN EASEMENT AND CITY OWNED PROPERTY. PROPER TECHNIQUES FOR EROSION CONTROL AND SURFACE RESTORATION, INCLUDING STABILIZATION WITH APPROPRIATE VEGETATIVE COVER, WILL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN SECTION 312500, "EROSION AND SEDIMENTATION CONTROLS" AND WM-24 "SEEDING AND SODDING," BOTH UNDER SEPARATE ATTACHMENT.

A16 EXISTING SITE TOPOGRAPHY AT AN INTERVAL APPROPRIATE TO SHOW DETAILED DRAINAGE PATTERNS:

DETAILED CONTOUR LINES ARE ALSO SHOWN ON INDIVIDUAL PLAN SHEETS (EC SERIES) TO INDICATE DRAINAGE PATTERNS WITHIN THE CONSTRUCTION LIMITS.

A17 LOCATION(S) WHERE RUN-OFF ENTERS THE PROJECT SITE:

A USGS TOPOGRAPHIC MAP IS SHOWN IN THE PLANS. MORE DETAILED CONTOUR LINES ARE ALSO SHOWN ON INDIVIDUAL PLANS SHEETS TO INDICATE DRAINAGE PATTERNS WITHIN THE CONSTRUCTION LIMITS.

A18 LOCATION(S) WHERE RUN-OFF DISCHARGES FROM THE PROJECT SITE PRIOR TO LAND DISTURBANCE:

A USGS TOPOGRAPHIC MAP IS SHOWN IN PLANS. MORE DETAILED CONTOUR LINES ARE ALSO SHOWN ON INDIVIDUAL PLAN SHEETS TO INDICATE DRAINAGE PATTERNS WITHIN THE CONSTRUCTION LIMITS.

A19 LOCATION OF ALL EXISTING STRUCTURES ON THE PROJECT SITE:

THE LOCATION OF ALL EXISTING STRUCTURES ON THE PROJECT SITE CAN BE SEEN IN THE PLANS.

A20 EXISTING PERMANENT RETENTION OR DETENTION FACILITIES. INCLUDING MANMADE WETLANDS, DESIGNED FOR THE PURPOSE OF STORMWATER MANAGEMENT:

NONE ARE WITHIN PROJECT LIMITS.

A21 LOCATIONS WHERE STORMWATER MAY BE DIRECTLY DISCHARGED INTO GROUND WATER, SUCH AS ABANDONED WELLS, SINKHOLES, OR KARST FEATURES:

PROJECT AREA.

A22 SIZE OF THE PROJECT AREA EXPRESSED IN ACRES:

THE TOTAL PROJECT AREA IS APPROXIMATELY 0.86-ACRES.

A23 TOTAL EXPECTED LAND DISTURBANCE EXPRESSED IN ACRES:

A24 PROPOSED FINAL TOPOGRAPHY:

A25 LOCATIONS AND APPROXIMATE BOUNDARIES OF ALL DISTURBED AREAS:

THE PLANS SHOW THE LOCATIONS AND BOUNDARIES OF ALL DISTURBED AREAS/CONSTRUCTION MITS. ALL DISTURBANCES WILL BE WITHIN RIGHT-OF-WAY EASEMENTS.

A26 LOCATIONS, SIZE AND DIMENSIONS OF ALL STORMWATER DRAINAGE SYSTEMS SUCH AS CULVERTS, STORMWATER SEWER, AND CONVEYANCE CHANNEL:

THE EXISTING STORMWATER DRAINAGE SYSTEMS ARE SHOWN ON THE PLANS. ALL EXISTING STORMWATER SYSTEMS WILL BE PROTECTED AND MAINTAINED DURING CONSTRUCTION. IF DURING CONSTRUCTION ANY DAMAGE IS DONE TO AN EXISTING STORMWATER SYSTEM. DAMAGED STRUCTURES WILL BE EITHER REPAIRED OR REPLACED TO EQUAL OR BETTER CONDITION THAN EXISTING.

A27 LOCATIONS OF SPECIFIC POINTS WHERE STORMWATER AND NON-STORMWATER DISCHARGES WILL LEAVE THE PROJECT SITE:

LOCATIONS WHERE STORMWATER AND NON-STORMWATER DISCHARGES WILL LEAVE THE PROJECT SITE CAN BE SEEN ON THE PLANS VIA THE GRADING PLANS.

THERE ARE NO ABANDONED WELLS, SINKHOLES, OR KARST FEATURES LOCATED WITHIN THE

THE TOTAL EXPECTED LAND DISTURBANCE FOR THE PROJECT IS APPROXIMATELY 0.86-ACRES.

THE INDIVIDUAL PLAN SHEETS SHOW PROPOSED SITE TOPOGRAPHY AND DRAINAGE PATTERNS.

A28 LOCATION OF ALL PROPOSED SITE IMPROVEMENTS, INCLUDING ROADS, UTILITIES, LOT DELINEATION AND IDENTIFICATION, PROPOSED STRUCTURES, AND COMMON AREAS:

LOCATIONS OF ALL PROPOSED SITE IMPROVEMENTS, INCLUDING PROPOSED UTILITIES, STRUCTURES, AND LOT BOUNDARIES, ARE SHOWN ON THE PLANS. STAGING AREAS OUTSIDE OF THE CURRENT PROJECT SITE LIMITS ARE EXPECTED TO BE A PART OF THIS PROJECT.

A29 LOCATIONS OF ALL ON-SITE AND OFF-SITE SOIL STOCKPILES AND BORROW AREAS:

STOCKPILES LEFT INACTIVE FOR SEVEN (7) DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY SEED AND SURROUNDED BY SILT FENCE OR OTHER PERIMETER CONTROLS. ALL STOCKPILES AND BORROW AREAS, IF REQUIRED FOR THE PROJECT, WILL BE LOCATED ON-SITE AND THE CONTRACTOR WILL BE REQUIRED TO OBTAIN A PERMIT OR RELEASE FOR PROPER DISPOSAL OF EXCAVATED MATERIALS.

A30 CONSTRUCTION SUPPORT ACTIVITIES THAT ARE EXPECTED TO BE PART OF THE PROJECT:

STOCKPILES ARE EXPECTED TO BE PART OF THE PROJECT.

A31 LOCATION OF ANY IN-STREAM ACTIVITIES THAT ARE PLANNED FOR THE PROJECT INCLUDING, BUT NOT LIMITED TO, STREAM CROSSINGS AND PUMP AROUNDS:

NO WORK WITHIN STREAMS IS ANTICIPATED.

STORMWATER POLLUTION PREVENTION PLAN - CONSTRUCTION COMPONENT (SECTION B)

STORMWATER POLLUTION PREVENTION MEASURES SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AUTHORITY AND THE APPLICABLE MS4 STORMWATER QUALITY STANDARDS.

B1 DESCRIPTION OF THE POTENTIAL POLLUTANT GENERATING SOURCES AND POLLUTANTS, INCLUDING ALL POTENTIAL NON-STORMWATER DISCHARGES:

POTENTIAL POLLUTANTS CLEARING, GRADING, EXCAVATING SEDIMENT, DEBRIS SOIL STOCKPILES SEDIMENT DEWATERING OPERATIONS SEDIMENT PAVING REPAIR SEDIMENT, DEBRIS VEHICLE FUELING, MAINTENANCE OIL, GREASE, FUEL

GENERAL CONSTRUCTION ACTIVITY TRASH, SANITATION CHEMICALS PAVEMENT RESTORATION BITUMINOUS DEBRIS

EXCAVATION, STOCKPILING:

OPERATION

STOCKPILE MANAGEMENT PROCEDURES AND PRACTICES WILL BE IMPLEMENTED TO MINIMIZE OR ELIMINATE THE DISCHARGE OF STOCKPILED MATERIAL (SOIL, TOPSOIL, BASE MATERIAL) FROM ENTERING DRAINAGE SYSTEMS OR SURFACE WATERS.

FOR ANY STOCKPILES OR LAND CLEARING DEBRIS COMPOSED, IN WHOLE OR IN PART, OF SEDIMENT OR SOIL, THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH THE FOLLOWING REQUIREMENTS:

1. LOCATE PILES WITHIN THE DESIGNATED LIMITS OF DISTURBANCE.

- 2. PROTECT FROM CONTACT WITH STORMWATER USING A TEMPORARY PERIMETER SEDIMENT BARRIER.
- 3. WHERE PRACTICABLE, PROVIDE COVER OR APPROPRIATE TEMPORARY VEGETATIVE OR STRUCTURAL STABILIZATION TO AVOID DIRECT CONTACT WITH PRECIPITATION OR TO MINIMIZE THE DISCHARGE OF SEDIMENTS.
- 4. NEVER HOSE DOWN OR SWEEP SOIL OR SEDIMENT ACCUMULATED ON PAVEMENT OR OTHER IMPERVIOUS SURFACES INTO ANY STORMWATER CONVEYANCE, STORM DRAIN INLET, OR SURFACE WATER.

5. TO THE MAXIMUM EXTENT PRACTICABLE, CONTAIN AND SECURELY PROTECT STOCKPILES FROM WIND.

DEWATERING:

EQUIPMENT OPERATORS ARE PROHIBITED FROM DISCHARGING GROUNDWATER OR ACCUMULATED STORMWATER THAT IS REMOVED FROM EXCAVATIONS, TRENCHES, VAULTS, OR OTHER SIMILAR POINTS OF ACCUMULATION, UNLESS SUCH WATERS ARE EFFECTIVELY MANAGED BY APPROPRIATE CONTROL MEASURES.

EXAMPLES OF APPROPRIATE CONTROL MEASURES INCLUDE TEMPORARY SEDIMENT BASINS OR SEDIMENT TRAPS, SEDIMENT SOCKS, DEWATERING TANKS AND BAGS, OR FILTRATION SYSTEMS (E.G., BAGS OR SAND FILTERS) THAT ARE DESIGNED TO REMOVE SEDIMENT. UNCONTAMINATED, NON-TURBID DEWATERING WATER CAN BE DISCHARGED WITHOUT BEING ROUTED TO A CONTROL

AT A MINIMUM, THE FOLLOWING DISCHARGE REQUIREMENTS MUST BE MET FOR DEWATERING ACTIVITIES:

1. ALLOW NO DISCHARGE OF VISIBLE SEDIMENTS OR SOLIDS.

- 2. AT ALL POINTS WHERE DEWATERING WATER IS DISCHARGED, UTILIZE VELOCITY DISSIPATION DEVICES.
- 3. DEWATERING PRACTICES MUST INVOLVE THE IMPLEMENTATION OF APPROPRIATE CONTROL MEASURES AS APPLICABLE (I.E., CONTAINMENT AREAS FOR DEWATERING EARTH MATERIALS, PORTABLE SEDIMENT TANKS AND BAGS, PUMPING SETTLING BASINS, AND PUMP INTAKE PROTECTION).

VEHICLE FUELING:

VEHICLE FUELING SHALL NOT TAKE PLACE WITHIN REGULATED DRAIN AREAS WETLANDS OR BUFFER ZONE AREAS, OR WITHIN 50 FEET OF THE STORM DRAIN SYSTEM. DESIGNATED AREAS SHALL BE DEPICTED ON THE PLANS OR SHALL BE APPROVED BY THE SITE OWNER.

VEHICLE MAINTENANCE AND WASHING SHALL OCCUR OFF-SITE, OR IN DESIGNATED AREAS DEPICTED ON THE PLANS OR APPROVED OF BY THE SITE OWNER. MAINTENANCE OR WASHING AREAS SHALL NOT BE WITHIN REGULATED WETLANDS OR BUFFER ZONE AREAS, OR WITHIN 50 FEET OF THE STORM DRAIN SYSTEM. MAINTENANCE AREAS SHOULD BE CLEARLY DESIGNATED, AND BARRIERS SHALL BE USED AROUND THE PERIMETER OF THE MAINTENANCE AREA TO PREVENT STORMWATER CONTAMINATION.

CONSTRUCTION VEHICLES SHALL BE INSPECTED FREQUENTLY FOR LEAKS. REPAIRS SHALL TAKE PLACE IMMEDIATELY. DISPOSAL OF ALL USED OIL, ANTIFREEZE, SOLVENTS, AND OTHER AUTOMOTIVE-RELATED CHEMICALS SHALL BE ACCORDING TO APPLICABLE REGULATIONS; AT NO TIME SHALL ANY MATERIAL BE WASHED DOWN THE STORM DRAIN OR INTO ANY ENVIRONMENTALLY SENSITIVE AREA.

AFTER THE SWPPP IS IMPLEMENTED, ALL DISTURBED AREAS WILL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS THROUGH THE ADMINISTRATION OF A SELF-MONITORING PROGRAM. THE PURPOSE OF THE SELF-MONITORING PROGRAM REPORTS, WHICH ARE TO BE COMPLETED BY A TRAINED INDIVIDUAL, IS TO ASSESS THE PERFORMANCE OF POLLUTANT CONTROL MEASURES. BASED ON THESE INSPECTIONS, IT WILL BE DETERMINED IF ADDITIONAL MEASURES ARE NECESSARY TO PREVENT POLLUTANTS FROM LEAVING THE SITE. THE CONTRACTOR WILL BE REQUIRED TO REPAIR, MODIFY, MAINTAIN, OR TAKE ADDITIONAL STEPS AS NECESSARY TO ACHIEVE EFFECTIVE POLLUTANT CONTROL. REFER ALSO TO SECTION 312500, "EROSION AND SEDIMENTATION CONTROLS" WHICH IS INCLUDED AS A PART OF THE CONSTRUCTION SPECIFICATIONS AND CONTRACT DOCUMENTS FOR THE PROJECT AND IS LOCATED UNDER SEPARATE ATTACHMENT.

B2 STABLE CONSTRUCTION ENTRANCE LOCATIONS AND SPECIFICATIONS:

THIS PROJECT HAS DESIGNATED STABLE CONSTRUCTION ENTRANCES. UPON COMPLETION OF CONSTRUCTION ALL SURFACES SHALL BE RESTORED TO MATCH PRE-CONSTRUCTION CONDITIONS. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE WILL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE EXISTING SURFACES ACTING AS CONSTRUCTION ENTRANCES/EXITS TO PRE-CONSTRUCTION CONDITIONS. REFER ALSO TO SECTION 312500, "EROSION AND SEDIMENTATION CONTROLS" FOR STABLE CONSTRUCTION ENTRANCE REQUIREMENTS (UNDER SEPARATE ATTACHMENT).

B3 SPECIFICATIONS FOR TEMPORARY AND PERMANENT STABILIZATION:

TEMPORARY AND PERMANENT SEED SURFACE STABILIZATION WILL BE UTILIZED WHERE NEEDED. SEE SECTION 312500, "EROSION AND SEDIMENTATION CONTROLS" AND WM-24 "SEEDING AND SODDING" (LOCATED UNDER SEPARATE ATTACHMENT) FOR ADDITIONAL INFORMATION.

IN ORDER TO REDUCE THE EXTENT OF EXPOSED AREAS AND THE DURATION OF EXPOSURE, CLEARING, GRADING, AND VEGETATIVE RE-STABILIZATION MUST BE PROPERLY TIMED AND COORDINATED. SEEDING AND MULCHING OR TEMPORARY SEEDING WILL BE PERFORMED AS SOON AS PRACTICABLE ON AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION. UNVEGETATED AREAS THAT ARE LEFT IDLE OR SCHEDULED TO BE LEFT UNACTIVE MUST BE TEMPORARILY OR PERMANENTLY STABILIZED WITH MEASURES APPROPRIATE FOR THE SEASON TO MINIMIZE EROSION POTENTIAL. STABILIZATION MUST BE INITIATED BY THE END OF THE SEVENTH DAY THE AREA IS LEFT IDLE. THE STABILIZATION ACTIVITY MUST BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER INITIATION. INITIATION OF STABILIZATION INCLUDES SEEDING AND APPLYING MULCH OR OTHER TEMPORARY SURFACE STABILIZATION METHODS WHERE APPROPRIATE. BIODEGRADABLE MATTING OR NETTING MAY BE USED TO STABILIZE SOILS ON SLOPED AREAS AND SOME RECENTLY PLANTED AREAS TO PROTECT SEEDLINGS UNTIL THEY HAVE BECOME ESTABLISHED. TEMPORARY SEEDING OR EROSION CONTROL MATS ARE TO BE USED TO STABILIZE EXPOSED SURFACES IF FINAL GRADING AND SEEDING MUST BE DELAYED.

B4 SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS:

PROTECTIVE MEASURES FOR AREAS OF CONCENTRATED FLOW WILL INCLUDE TEMPORARY AND PERMANENT VEGETATION, MULCHES, EROSION CONTROL BLANKETS, OR OTHER PRACTICES TO CORRESPOND WITH CONSTRUCTION ACTIVITIES. SEDIMENT CONTROL MEASURES FOR AREAS OF CONCENTRATED FLOW ARE NOT ANTICIPATED AS NECESSARY FOR ANY SPECIFIC AREAS OF THE PROPOSED PROJECT. SEDIMENT CONTROL MEASURES FOR AREAS OF CONCENTRATED FLOW WILL BE PROVIDED AS NEEDED BY THE CONTRACTOR. REFER TO SECTION 312500, "EROSION AND SEDIMENTATION CONTROLS" (UNDER SEPARATE ATTACHMENT) FOR MORE INFORMATION.

B5 SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS:

ALL DISTURBED AREAS, WHERE RUNOFF WILL BE IN SHEET FLOW CONDITION AND WHICH ARE NOT TO BE DISTURBED FOR SEVEN (7) DAYS OR MORE, SHALL RECEIVE TEMPORARY SEEDING. DISTURBED AREAS SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER LAND DISTURBANCE ACTIVITIES ARE COMPLETED. PERIMETER PROTECTION, SUCH AS SILT FENCE AND INLET PROTECTION, SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS. IN GENERAL, SILT FENCES WILL BE INSTALLED APPROXIMATELY FIVE (5) FEET FROM PROPERTY BOUNDARIES/RIGHT OF WAY BOUNDARIES AS APPLICABLE. INSTALLATION OF SILT FENCES WILL TYPICALLY BE REQUIRED ON THE DOWNSLOPE SIDE OF CONSTRUCTION ACTIVITIES ALONG ROADWAY AND PROPERTY BOUNDARIES. THE PLANS SHOW ADDITIONAL EROSION CONTROL MEASURES PROPOSED FOR THIS PROJECT. REFER TO SECTION 312500, "EROSION AND SEDIMENTATION CONTROLS" (UNDER SEPARATE ATTACHMENT) FOR MORE DETAIL.

B6 RUNOFF CONTROL MEASURES:

STORMWATER OUTLETS WILL BE PROVIDED WITH A STRAW DAM. SILT FENCES. EROSION CONTROL BLANKETS, AND TEMPORARY AND PERMANENT SEEDING AS APPLICABLE.

B8 GRADE STABILIZATION STRUCTURE LOCATIONS AND SPECIFICATIONS:

B9 DEWATERING APPLICATIONS AND MANAGEMENT METHODS:

EXAMPLES OF APPROPRIATE CONTROL MEASURES INCLUDE TEMPORARY SEDIMENT BASINS OR SEDIMENT TRAPS, SEDIMENT SOCKS, DEWATERING TANKS AND BAGS, OR FILTRATION SYSTEMS (E.G., BAGS OR SAND FILTERS) THAT ARE DESIGNED TO REMOVE SEDIMENT. UNCONTAMINATED, NON-TURBID DEWATERING WATER CAN BE DISCHARGED WITHOUT BEING ROUTED TO A

CONTROL.

ACTIVITIES:

DEVICES.

PROTECTION).

NO WORK WITHIN WATERBODIES IS ANTICIPATED. IF THE AREA OF DISTURBANCE CROSSED EROSION CONTROL MEASURES WILL BE IN ACCORDANCE WITH IDEM, AND ACOE PERMIT REQUIREMENTS, AS DEEMED NECESSARY.

DIVERSION DITCHES, SLOPE DRAINS, OR OTHER SIMILAR STRUCTURES FOR RUNOFF CONTROL ARE NOT ANTICIPATED FOR THIS PROJECT.

B7 STORMWATER OUTLET PROTECTION SPECIFICATIONS:

GRADE STABILIZATION WILL NOT BE REQUIRED AS NEEDED DURING CONSTRUCTION. GRADE STABILIZATION REQUIREMENTS ARE ESTABLISHED IN SECTION 312500, "EROSION AND SEDIMENTATION CONTROLS" (UNDER SEPARATE ATTACHMENT) IF DEEMED NECESSARY.

SEEDING AND MULCHING OR TEMPORARY SEEDING WILL BE PERFORMED ON AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION. TEMPORARY SEEDING WILL TAKE PLACE AS SOON AS PRACTICABLE AFTER DISTURBED AREAS HAVE BEEN RESTORED TO THEIR REQUIRED GRADE OR HAVE BEEN DISTURBED AND NOT WORKED FOR SEVEN (7) DAYS OR MORE. BIODEGRADABLE MATTING OR NETTING MAY BE USED TO STABILIZE SOILS ON SLOPED AREAS AND SOME RECENTLY PLANTED AREAS TO PROTECT SEEDLINGS UNTIL THEY HAVE BECOME ESTABLISHED.

IF DEWATERING BECOMES NECESSARY ON SITE, THE FOLLOWING METHODS WILL BE USED:

EQUIPMENT OPERATORS ARE PROHIBITED FROM DISCHARGING GROUNDWATER OR ACCUMULATED STORMWATER THAT IS REMOVED FROM EXCAVATIONS, TRENCHES, VAULTS, OR OTHER SIMILAR POINTS OF ACCUMULATION, UNLESS SUCH WATERS ARE EFFECTIVELY MANAGED BY APPROPRIATE CONTROL MEASURES.

AT A MINIMUM, THE FOLLOWING DISCHARGE REQUIREMENTS MUST BE MET FOR DEWATERING

1. ALLOW NO DISCHARGE OF VISIBLE SEDIMENTS OR SOLIDS.

2. AT ALL POINTS WHERE DEWATERING WATER IS DISCHARGED, UTILIZE VELOCITY DISSIPATION

3. DEWATERING PRACTICES MUST INVOLVE THE IMPLEMENTATION OF APPROPRIATE CONTROL MEASURES AS APPLICABLE (I.E., CONTAINMENT AREAS FOR DEWATERING EARTH MATERIALS, PORTABLE SEDIMENT TANKS AND BAGS, PUMPING SETTLING BASINS, AND PUMP INTAKE

B10 MEASURES UTILIZED FOR WORK WITHIN WATERBODIES:

Total and the second se											
TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA PROJECT #24-012-WW (CONTRACT 3)											
C 2025 BY COMMONWEALTH		BY ANY METHOD IN WHOLE	OR IN PART WITHOUT PERMISSION IS PROHIBITED						 Know what's below. 811 before you dig. 	1-800-382-5544 //TC TUC 1 ////	
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CONSTRUCTION/STORMWATER POLLUTION PREVENTION PLAN (CONT'D)

B11 MAINTENANCE GUIDELINES FOR EACH PROPOSED STORMWATER QUALITY MEASURE:

THROUGHOUT THE DURATION OF CONSTRUCTION, THE CONTRACTOR SHALL MONITOR AND MANAGE PROJECT CONSTRUCTION AND STORMWATER ACTIVITIES THROUGH THE ADMINISTRATION OF A SELF-MONITORING PROGRAM (SMP). A TRAINED INDIVIDUAL SHALL SUBMIT WEEKLY SMP REPORTS, AND EVENT INSPECTION REPORTS AS REQUIRED WITHIN 24 HOURS OF EVERY 1/2" RAIN EVENT. INSPECTION WILL BE PROVIDED FOR ALL EROSION AND SEDIMENT CONTROL STRUCTURES TO ENSURE INTEGRITY AND EFFECTIVENESS. INSPECTIONS WILL ALSO BE PROVIDED FOR ALL DISTURBED AREAS THAT HAVE NOT ACHIEVED FINAL STABILIZATION, AND AT ALL POINTS OF DISCHARGE FROM THE CONSTRUCTION SITE. REFER TO SECTION 312500, "EROSION AND SEDIMENTATION CONTROLS" (UNDER SEPARATE ATTACHMENT) FOR REQUIREMENTS REGARDING THE SMP REPORTS AND PROJECT MANAGEMENT LOG.

B12 PLANNED CONSTRUCTION SEQUENCE THAT DESCRIBES THE IMPLEMENTATION OF STORMWATER QUALITY MEASURES IN RELATION TO LAND DISTURBANCE:

A PRE-CONSTRUCTION MEETING WILL BE REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION AND ANY LAND DISTURBANCE ACTIVITY. ATTENDEES TO THE PRE-CONSTRUCTION MEETING WILL INCLUDE REPRESENTATIVES OF THE CONTRACTOR, OWNER ENGINEER. THE HENDRICKS COUNTY SOIL AND WATER CONSERVATION DISTRICT (SWCD) SHALL BE PROVIDED WITH A 48-HOUR NOTICE PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY. REFER ALSO TO SECTION 312500, "EROSION AND SEDIMENTATION CONTROLS" (UNDER SEPARATE ATTACHMENT), WHICH IS INCLUDED AS A PART OF THE CONSTRUCTION SPECIFICATIONS AND CONTRACT DOCUMENTS FOR THE PROJECT.

THE NOTICE OF INTENT AND THE LOCATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WILL BE POSTED AT THE JOB SITE. THERE WILL BE FUEL CONTAINMENT AND CONCRETE WASHOUT PROVIDED ON-SITE, IF APPLICABLE.

PROJECT SEQUENCING WILL GENERALLY FOLLOW THE FOLLOWING STEPS:

- 1. OBTAIN THE NECESSARY PROJECT PERMITS, INCLUDING PERMITS FROM IDEM.
- 2. NOTIFY THE APPROPRIATE REGULATORY AGENCIES AT LEAST 48 HOURS PRIOR TO THE START OF LAND-DISTURBING ACTIVITY.
- 3. ESTABLISH THE CONSTRUCTION ENTRANCE IN THE LOCATION(S) INDICATED IN THE E&SC DRAWINGS.
- 4. INSTALL PERIMETER CONTROL MEASURES (SILT FENCE, ETC.). CLEAR ONLY WHAT IS REQUIRED FOR SUFFICIENT ACCESS AND INSTALLATION OF THE PERIMETER MEASURES.
- 5. PROCEED WITH CLEARING, GRADING, AND OTHER CONSTRUCTION ACTIVITIES. REGULARLY INSPECT AND MAINTAIN ALL E&SC MEASURES THROUGHOUT ACTIVE CONSTRUCTION.
- 6. ESTABLISH TEMPORARY SEEDING AS NEEDED THROUGHOUT THE PROJECT PER SPECIFICATIONS.
- 7. ESTABLISH PERMANENT SEEDING.
- 8. TEMPORARY E&SC MEASURES ARE ONLY TO BE REMOVED ONCE ALL LAND-DISTURBING ACTIVITY IS COMPLETE, AND THE SITE HAS 80% PERMANENT VEGETATIVE COVERAGE.
- 9. NOTIFY THE APPROPRIATE REGULATORY AGENCIES OF PROJECT COMPLETION. SUBMIT THE NOTICE OF TERMINATION TO CLOSE OUT THE PERMIT.

B13 PROVISIONS FOR EROSION AND SEDIMENT CONTROL ON INDIVIDUAL BUILDING LOTS **REGULATED UNDER THE PROPOSED PROJECT:**

ALL PROPOSED IMPROVEMENTS ARE TAKING PLACE WITHIN RIGHT-OF-WAY, UTILITY EASEMENTS, DRAINAGE EASEMENTS, OR LAND OWNED BY THE TOWN. THE PROJECT AREA AND INDIVIDUAL AREA EROSION CONTROL IS DEPICTED IN PLANS.

B14 MATERIAL HANDLING AND SPILL PREVENTION AND SPILL RESPONSE PLAN MEETING THE **REQUIREMENTS IN 327 IAC 2-6.1:**

AS DESCRIBED SECTION 312500, "EROSION AND SEDIMENTATION CONTROLS" (UNDER SEPARATE ATTACHMENT), THE CONTRACTOR WILL BE REQUIRED TO INSPECT EQUIPMENT REGULARLY TO AVOID UNNECESSARY LEAKS OR SPILLS. THE CONTRACTOR WILL ALSO BE REQUIRED TO PROVIDE SPILL KITS AND EQUIPMENT TO CONTAIN AND CLEAN UP PETROLEUM PRODUCTS OR OTHER UNDESIRABLE SPILLS WHICH MAY OCCUR DURING CONSTRUCTION.

FUELS, OILS, GREASE, OR OTHER PETROLEUM PRODUCTS MUST BE STORED IN APPROPRIATE AND APPROVED AREAS. PREVENTATIVE MAINTENANCE WILL BE REQUIRED FOR ON-SITE EQUIPMENT. HAZARDOUS MATERIALS WILL BE REQUIRED TO BE STORED IN A FIELD TRAILER TO AVOID ANY OUTSIDE STORAGE.

ALL FUEL IS TO BE CONTAINED IN A MOBILE SERVICE TRUCK OR IN THE CONSTRUCTION EQUIPMENT OPERATING ON SITE. SMALL CONTAINERS OF OILS, GREASE, AND RELATED PRODUCTS MAY BE STORED IN THE CONTRACTOR'S CONSTRUCTION TRAILER. THESE ITEMS WILL BE REQUIRED TO BE INSPECTED REGULARLY TO ENSURE PROPER STORAGE AND HANDLING AND TO GUARD AGAINST LEAKAGE. DEFECTIVE CONTAINERS WILL BE REMOVED FROM THE PROJECT SITE IMMEDIATELY.

IF A SPILL DOES OCCUR, SPILL REPORTING AND NOTIFICATION REQUIREMENTS WILL BE UNDERTAKEN IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION AND STATE REQUIREMENTS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RESPONSE PROCEDURES THAT WILL MINIMIZE GROUNDWATER AND SURFACE WATER IMPACTS.

CONTACT INFORMATION FOR LOCAL AND STATE AGENCIES TO BE CONTACTED IN THE EVENT OF A SPILL ARE AS FOLLOWS:

HENDRICKS COUNTY SOIL AND WATER CONSERVATION DISTRICT 195 MEADOW DRIVE, SUITE 2 DANVILLE, INDIANA 46122 PHONE: 317-745-2555 EXT. 3

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF LAND QUALITY EMERGENCY RESPONSE AND SPILL REPORTING SECTION PHONE: 1-888-233-7745

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER QUALITY INDIANA GOVERNMENT CENTER NORTH 100 N. SENATE AVENUE, ROOM N1255 INDIANAPOLIS, INDIANA 46204 PHONE: 1-888-233-7745

INDIANA DEPARTMENT OF NATURAL RESOURCES DISTRICT 4 HEADQUARTERS 3734 MOUNDS ROAD ANDERSON, IN 46017 PHONE: 765-649-1062

INDIANA DEPARTMENT OF TRANSPORTATION TRAFFIC MANAGEMENT CENTER PHONE: 317-899-8690

B15 MATERIAL HANDLING AND STORAGE PROCEDURES ASSOCIATED WITH CONSTRUCTION ACTIVITY:

FUELS, OILS, GREASE, OR OTHER PETROLEUM PRODUCTS MUST BE STORED IN APPROPRIATE AND APPROVED AREAS. PREVENTATIVE MAINTENANCE WILL BE REQUIRED FOR ON-SITE EQUIPMENT. HAZARDOUS MATERIALS WILL BE REQUIRED TO BE STORED IN A FIELD TRAILER TO AVOID ANY OUTSIDE STORAGE.

ALL FUEL IS TO BE CONTAINED IN A MOBILE SERVICE TRUCK OR IN THE CONSTRUCTION EQUIPMENT OPERATING ON SITE. SMALL CONTAINERS OF OILS, GREASE, AND RELATED PRODUCTS MAY BE STORED IN THE CONTRACTOR'S CONSTRUCTION TRAILER. THESE ITEMS WILL BE REQUIRED TO BE INSPECTED REGULARLY TO ENSURE PROPER STORAGE AND HANDLING AND TO GUARD AGAINST LEAKAGE. DEFECTIVE CONTAINERS WILL BE REMOVED FROM THE PROJECT SITE IMMEDIATELY.

STORMWATER POLLUTION PREVENTION - POST-CONSTRUCTION COMPONENT (SECTION C)

C1 DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED WITH THE PROPOSED LAND

THE FINAL LAND USE IS NOT PROPOSED TO CHANGE FROM THE EXISTING. POTENTIAL POLLUTANTS FROM THIS PROJECT AFTER CONSTRUCTION IS COMPLETED INCLUDE SEDIMENT, HYDROCARBONS, AND LITTER.

SEDIMENT POLLUTION IS A RESULT OF EROSION WHICH CAN BE TRIGGERED BY NATURAL CAUSES OR HUMAN ACTIVITY. FOR THIS PROJECT, SEDIMENTATION MAY OCCUR DUE TO RUNOFF FROM EXCAVATED AREAS. SEDIMENT POLLUTION MAY ALSO BE CAUSED BY ON-SITE STORAGE OF EXCAVATED MATERIALS, BACKFILL MATERIALS, AND CONSTRUCTION SPOIL AREAS. HYDROCARBON POLLUTION MAY OCCUR DUE TO LEAKAGE AND SPILLS FROM ITEMS SUCH AS GASOLINE, OIL, GREASE, VEHICLE BRAKE AND TRANSMISSION FLUIDS, ANTIFREEZE, AND COOLANTS. LITTER MAY OCCUR IN PROJECT AREAS DUE TO HUMAN ACTIVITIES AND INCLUDE PLASTIC BAGS, BOTTLES, ALUMINUM CANS, AND OTHER GENERAL GARBAGE.

C2 DESCRIPTION OF PROPOSED POST-CONSTRUCTION STORMWATER QUALITY MEASURES:

POST-CONSTRUCTION MEASURES INCLUDE THE PROPOSED PERMANENT SEEDING. ALL VEGETATED AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE REQUIRED TO BE RESTORED. REQUIREMENTS FOR PERMANENT SEEDING ARE REFERENCED IN WM-24 "SEEDING AND SODDING" SPECIFICATION.

C3 PLAN DETAILS FOR EACH STORMWATER QUALITY MEASURE:

DETAILS FOR POST-CONSTRUCTION MEASURES ARE SHOWN IN THE PLANS. TEMPORARY EROSION CONTROL MEASURES WILL NOT BE REMOVED UNTIL THE PERMANENT SEEDING HAS BEEN ESTABLISHED. REFER TO SECTION 312500, "EROSION AND SEDIMENTATION CONTROLS" AND WM-24 "SEEDING AND SODDING".

C4 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION:

POST-CONSTRUCTION SEQUENCING MEASURES FOR THIS PROJECT WILL BE AS FOLLOWS:

- 1. TEMPORARY PLANTINGS WILL BE PROVIDED IN CRITICAL AREAS DEVOID OF VEGETATION AND SEEDLINGS ARE LIKELY TO FAIL DUE TO AN EXTENDED PERIOD OF HEAT OR DROUGHT.
- FENCE, WATTLES, AND EROSION CONTROL BLANKET.
- 3. THE ENTIRE CONSTRUCTION AREA IS TO BE INSPECTED AND CLEANED, INCLUDING THE
- 4. PERMANENT SEEDING AND MULCHING WILL BE INSTALLED IMMEDIATELY AFTER ACHIEVING
- 5. A FINAL SITE INSPECTION WILL TAKE PLACE TO ASSURE THAT ALL REQUIREMENTS OF THE

C5 MAINTENANCE GUIDELINES FOR PROPOSED POST-CONSTRUCTION WATER QUALITY MEASURES:

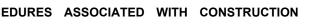
VEGETATED AREAS WITHIN THE PROJECT BOUNDARIES MUST BE MAINTAINED ON A REGULAR BASIS DURING THE ACTIVE GROWING SEASON. MAINTENANCE ACTIVITIES WILL INCLUDE INSPECTION FOR SPARSELY SEEDED AREAS, AND RESEEDING AREAS WHICH HAVE BEEN DAMAGED, OR WHICH HAVE NOT EXHIBITED A SUCCESSFUL AND HARDY STAND OF VEGETAL COVER. FERTILIZATION AND WATERING REQUIREMENTS ARE PROVIDED IN WM-24 "SEEDING AND SODDING".

C6 ENTITY RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE POST-CONSTRUCTION STORMWATER MEASURES:

THE TOWN OF BROWNSBURG WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF POST-CONSTRUCTION STORMWATER MEASURES AFTER THE NOTICE OF TERMINATION (NOT) HAS BEEN RECEIVED BY THE IDEM.

National Flood Hazard Layer FIRMette





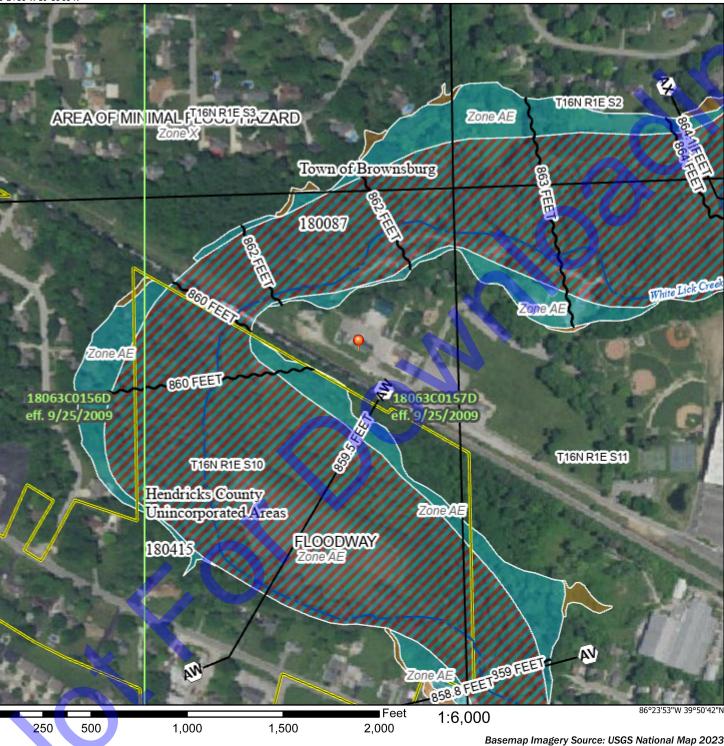
SUBJECT TO EROSION. SUCH TEMPORARY PLANTINGS MAY BE NECESSARY TO PROTECT AN AREA WHEN PREPARING FOR WINTER SHUT DOWN OR TO PROVIDE COVER WHEN PERMANENT

2. REMOVAL AND CLEANUP OF ALL TEMPORARY EROSION CONTROL MEASURES INCLUDING SILT

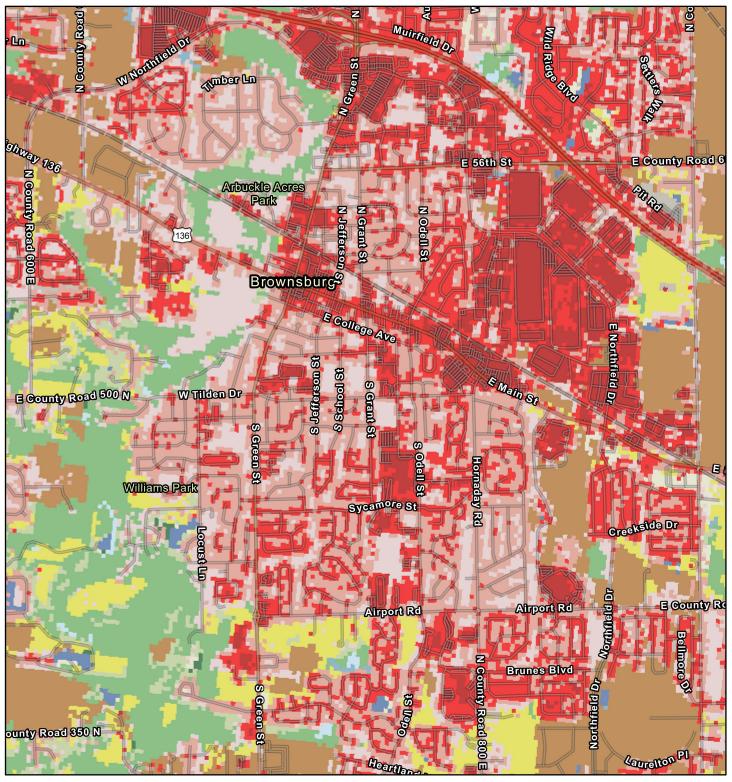
COLLECTION AND DISPOSAL OF CONSTRUCTION TRASH AND DEBRIS.

FINAL GRADE OR WITHIN SEVEN (7) DAYS OF INACTIVITY. IF NECESSARY, A TEMPORARY STABILIZATION PRACTICE WILL BE EMPLOYED UNTIL THE NEXT PRIME SEEDING PERIOD.

SWPPP, CONSTRUCTION DRAWINGS, AND SUPPORTING DOCUMENTS HAVE BEEN FULFILLED.



Land Cover Map



May 7, 2025				1:36,112
NLCD Land Cover 2021	Deciduous Forest	0 +	0.23	0.45
Open Water	Evergreen Forest	0	0.38	0.75
Developed, Open Space	Mixed Forest			
Developed, Low Intensity	Shrub/Scrub			
Developed, Medium Intensity	Herbaceous			r Geographics, and min, FAO, NOAA, I
Developed, High Intensity	Hay/Pasture	contributors, and	the GIS User	Community
Barren Land	Cultivated Crops			

Legend			
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT			
SPECIAL FLOOD		Without Base Flood Elevation (BFE) Zone A, V, A99 With BFE or Depth Zone AE, AO, AH, VE, AR	
HAZARD AREAS		Regulatory Floodway	
		0.2% Annual Chance Flood Hazard, Area: of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>	
		Future Conditions 1% Annual Chance Flood Hazard Zone X	
OTHER AREAS OF		Area with Reduced Flood Risk due to Levee. See Notes. Zone X	
FLOOD HAZARD		Area with Flood Risk due to Levee Zone D	
	NO SCREEN	Area of Minimal Flood Hazard Zone X	
		Effective LOMRs	
OTHER AREAS		Area of Undetermined Flood Hazard Zone	
GENERAL		Channel, Culvert, or Storm Sewer	
STRUCTURES		Levee, Dike, or Floodwall	
	B 20.2	Cross Sections with 1% Annual Chance	
	<u> </u>	Water Surface Elevation Coastal Transect	
	8	Base Flood Elevation Line (BFE)	
		Limit of Study	
		Jurisdiction Boundary	
OTHER		Coastal Transect Baseline Profile Baseline	
FEATURES		Hydrographic Feature	
		Digital Data Available	
	11	No Digital Data Available	
MAP PANELS		Unmapped	
P	point s	n displayed on the map is an approximate selected by the user and does not represent horitative property location.	
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards			

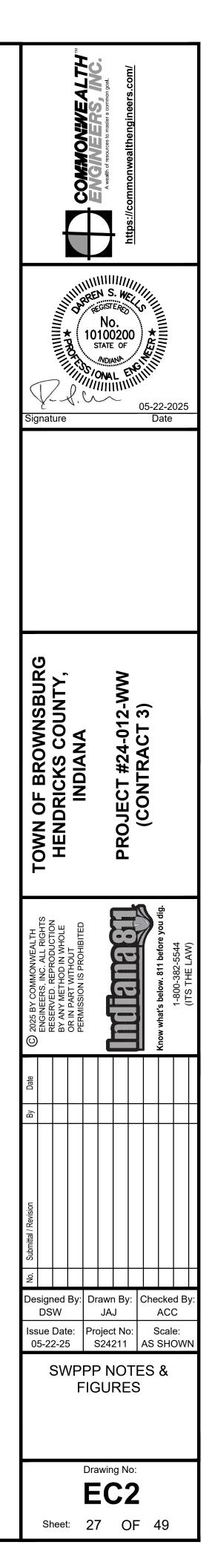
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/8/2025 at 6:13 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

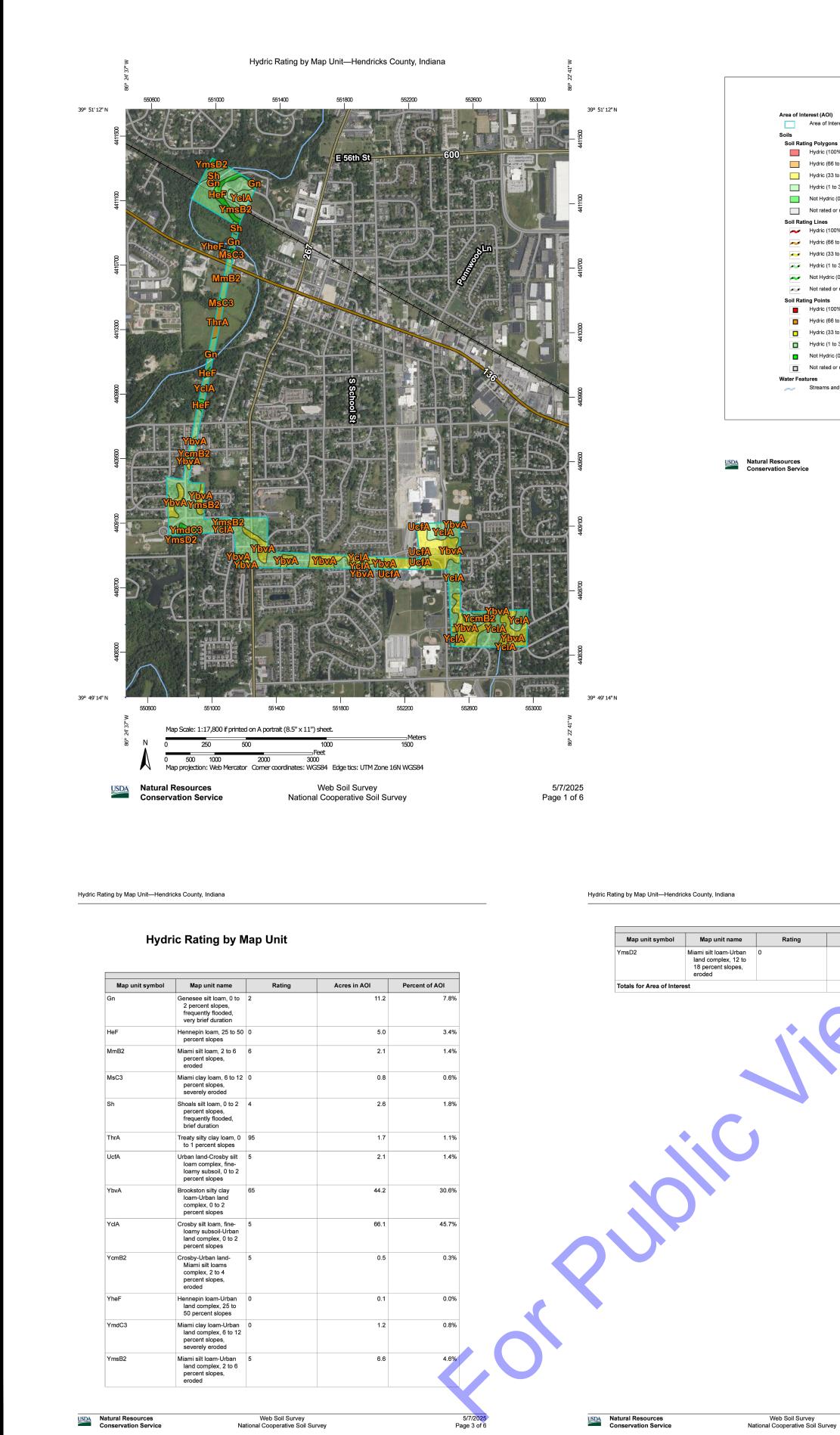
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images fo unmapped and unmodernized areas cannot be used for regulatory purposes

0.9 mi 1.5 km

cs, and the GIS User Com NOAA, USGS, © OpenStreetMap

ndiana Viewe





Hydric Rating by Map Unit—Hendricks County, Indiana

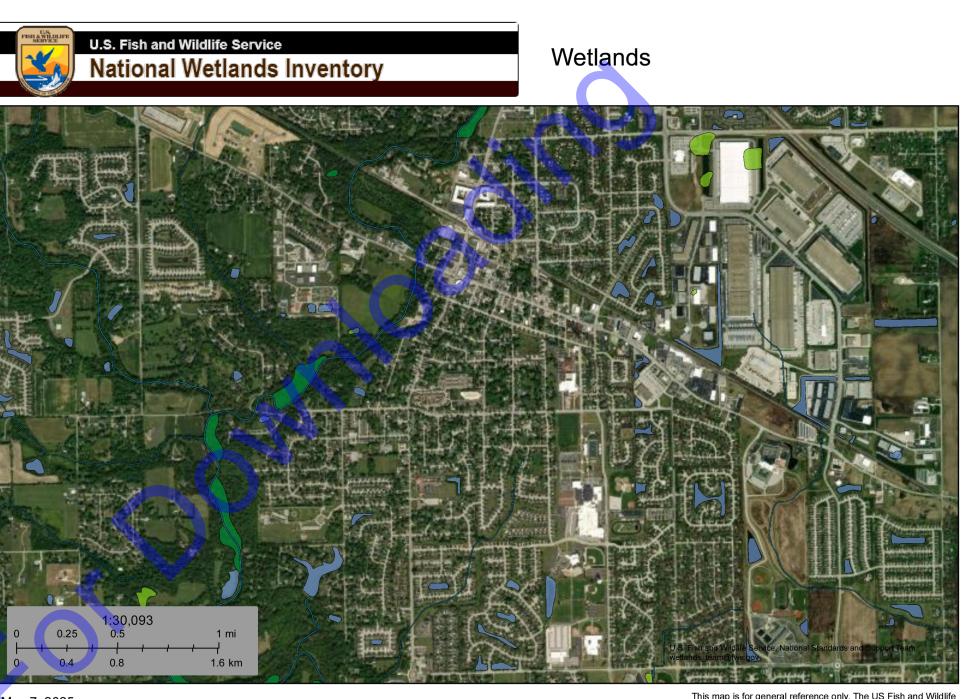
MAP LE	GEND)	MAP INFORMATION
a of Interest (AOI) Area of Interest (AOI)	Transpor	tation Rails	The soil surveys that comprise your AOI were mapped at 1:15,800.
Area of Interest (AOI) bi Ratiry Polygons bil Advic (100%) Hydric (66 to 99%) Hydric (10 33 to 65%) Hydric (1 to 32%) Not Hydric (0%) Hydric (100%) Hydric (33 to 65%) Hydric (100%) Hydric (33 to 65%) Hydric (100%) Hydric (33 to 65%) Hydric (100%) Hydric (100%)	HII HIII HIIII HIIII HIIIII HIIIII HIIIII HIIIIII	Interstate Highways US Routes Major Roads Local Roads	 1:15,800. Please rely on the bar scale on each map sheet for map measurements. Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857) Maps from the Web Soil Survey are based on the Web Merr projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such ar Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified da of the version date(s) listed below. Soil Survey Area: Hendricks County, Indiana Survey Area Data: Version 28, Aug 27, 2024 Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Date(s) aerial images were photographed: Mar 1, 2024—2024 The orthophoto or other base map on which the soil lines we compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Web Soil Survey National Cooperative Soil Survey

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—Jul 1, were

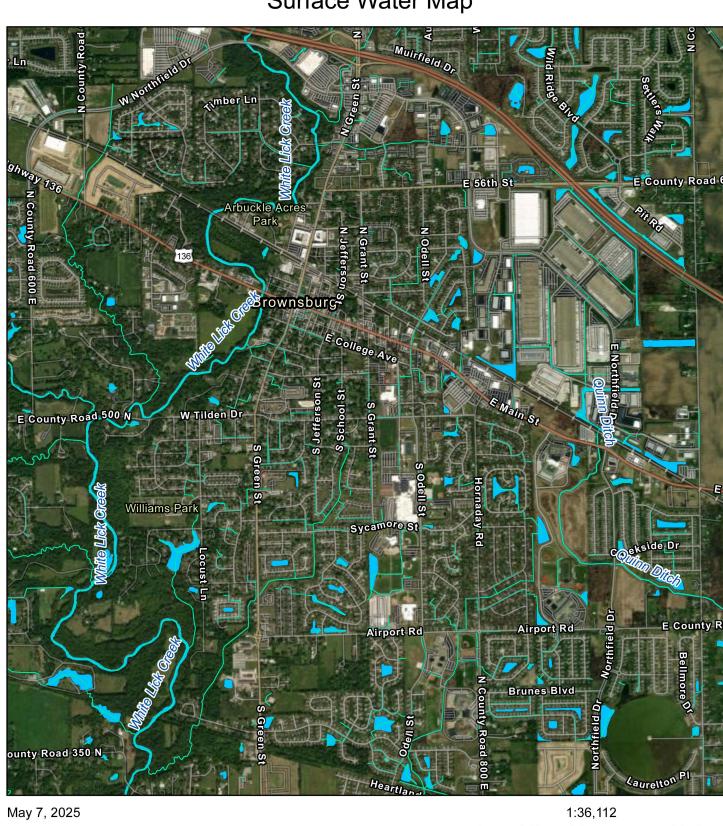
5/7/2025 Page 2 of 6



May 7, 2025 **Wetlands**

Estuarine and Marine Deepwater 📕 Freshwater Forested/Shrub Wetland 📃 Other Estuarine and Marine Wetland

Freshwater Emergent Wetland Freshwater Pond



NHD Classified Flowlines NHD Linear Waterbodies - Linear Water Bodies StreamRiver NHD Named Rivers Streams etc - NHD Named Rivers, Streams, etc. NHD Discrete Waterbodies Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community LakePond

Acres in AOI



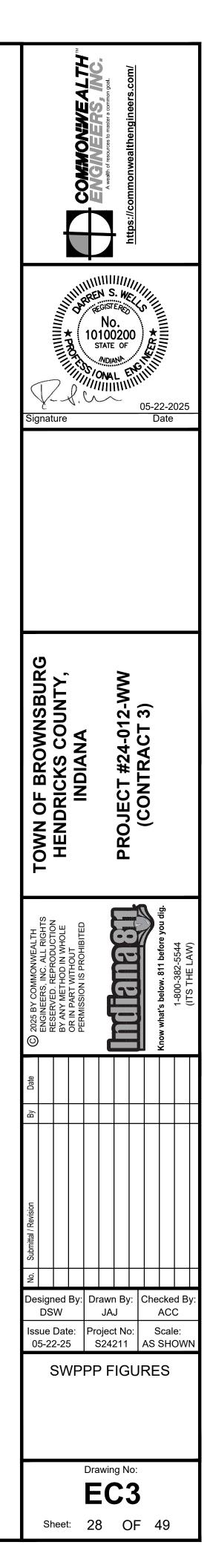
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

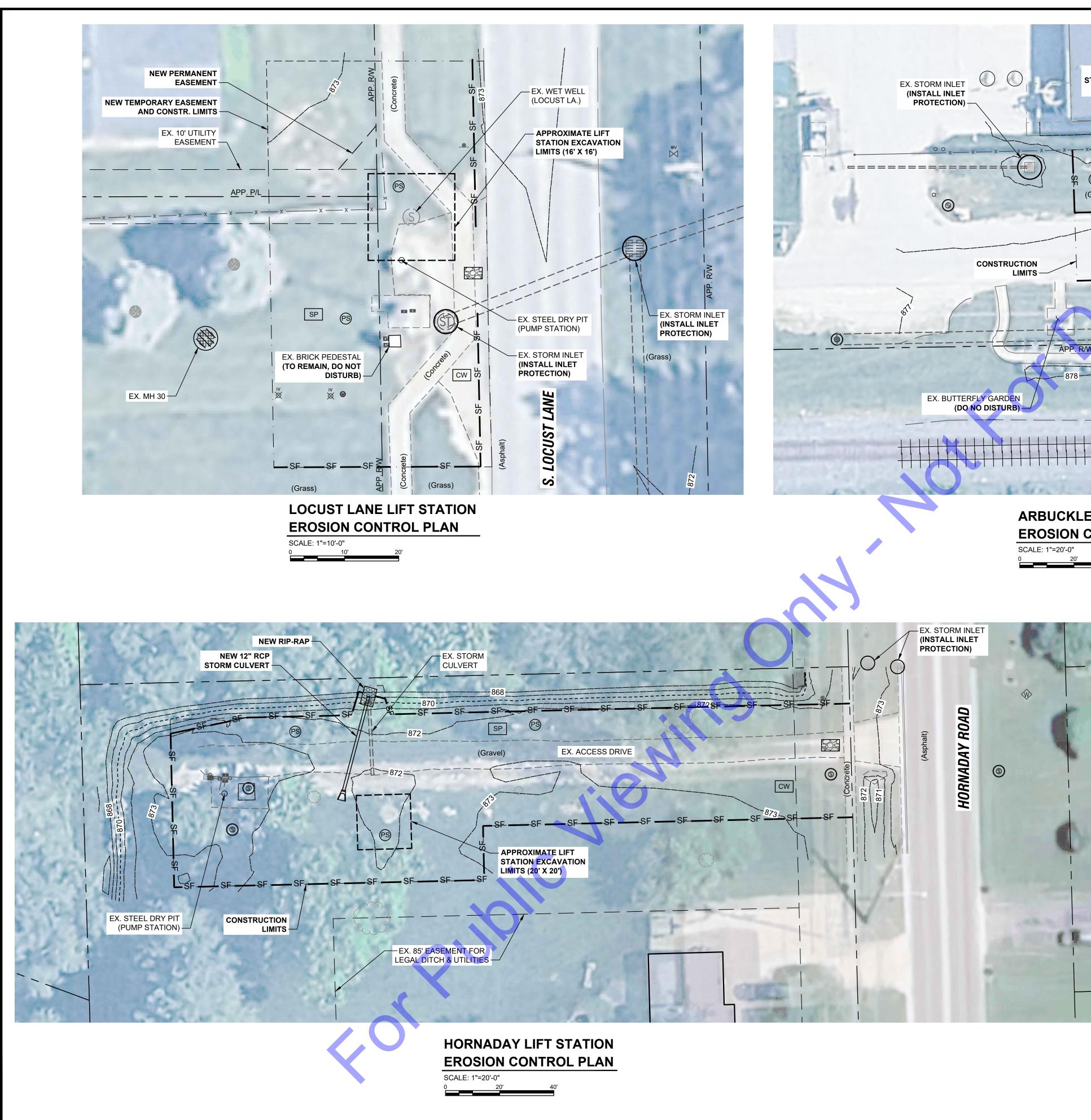
National Wetlands Inventory (NWI) This page was produced by the NWI mapper

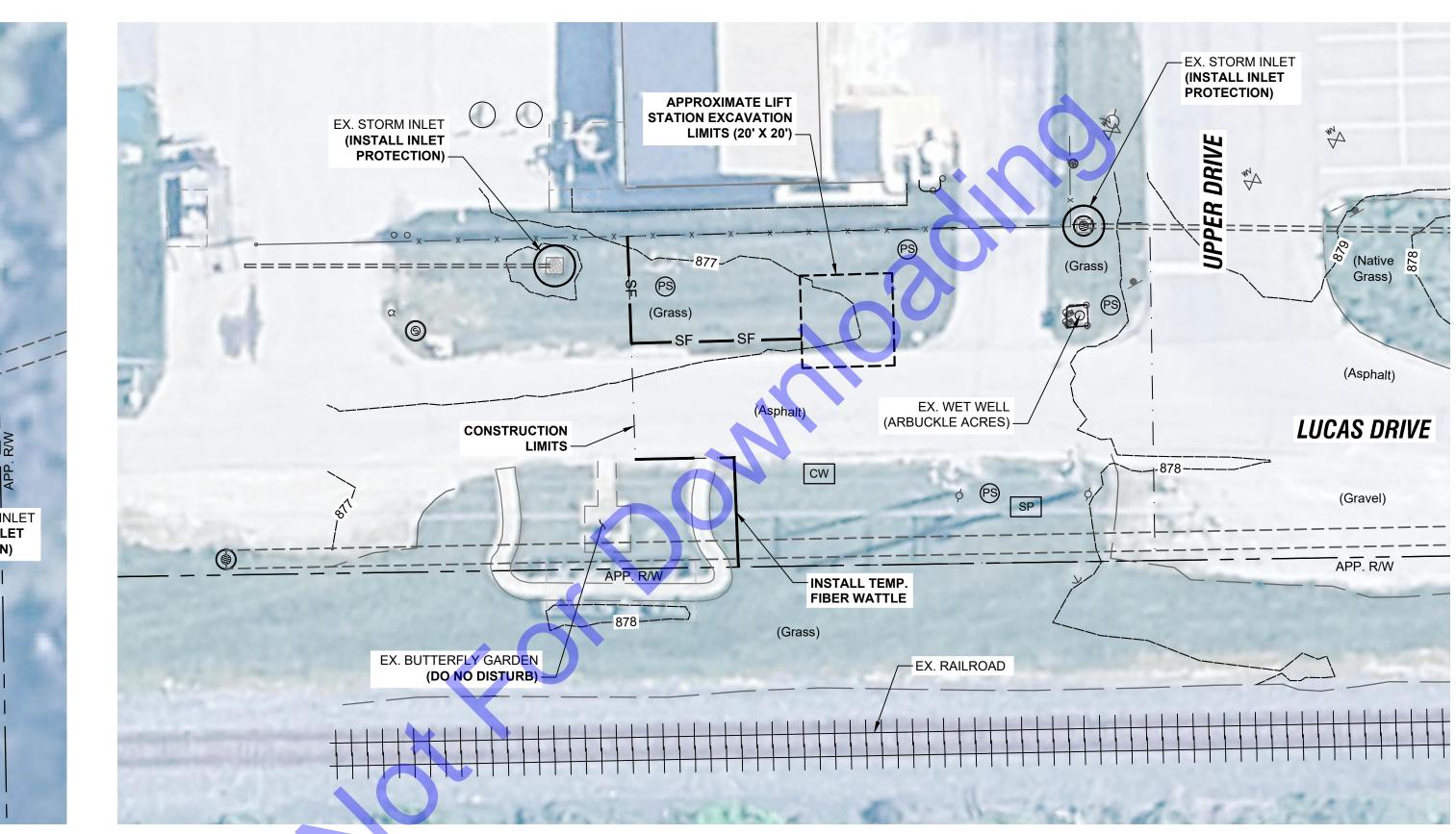
Surface Water Map

0 0.23 0.45 0.9 mi 0 0.38 0.75 1.5 km

Indiana Viewer







ARBUCKLE ACRES LIFT STATION EROSION CONTROL PLAN

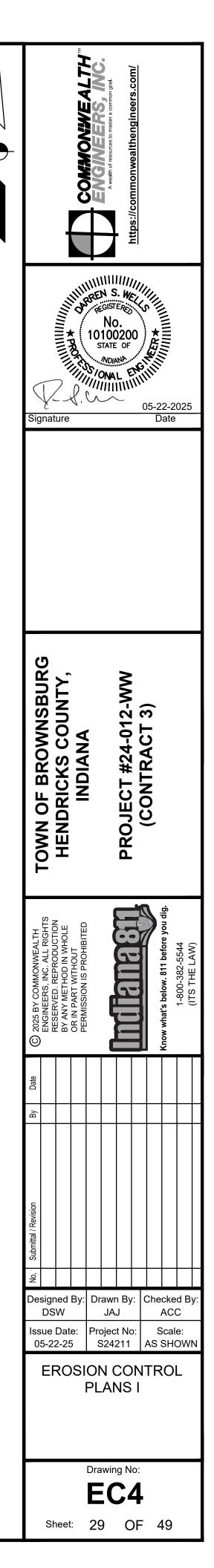
SHEET NOTES:

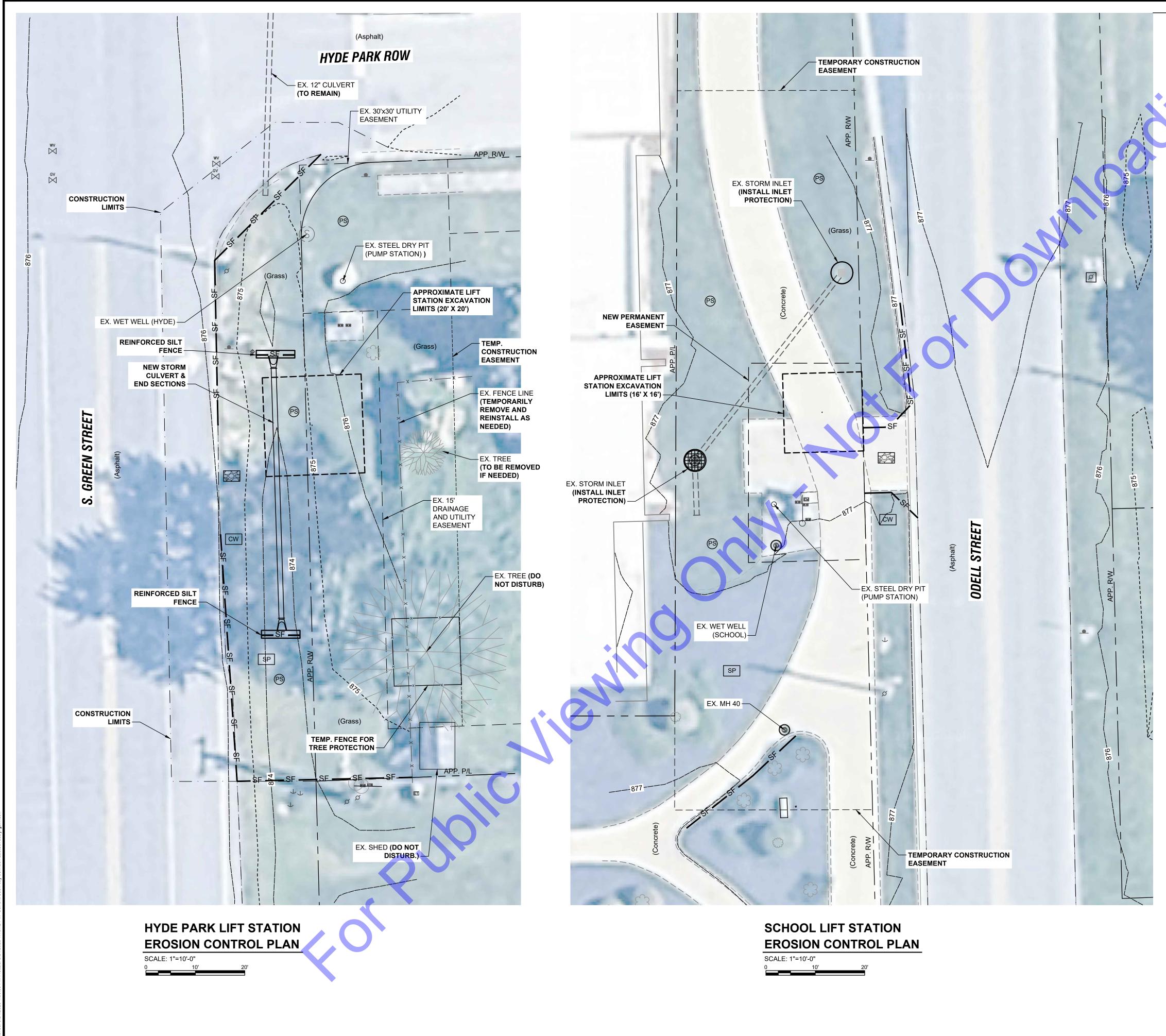
- 1. NOT ALL EROSION CONTROL REQUIREMENTS MAY BE SHOWN ON THIS SHEET.
- 2. CONTRACTOR SHALL REPAIR/REPLACE ANY DAMAGED SIDEWALK OR CURB TO NEXT JOINT AS A RESULT OF CONSTRUCTION ACTIVITIES.

LEGEND

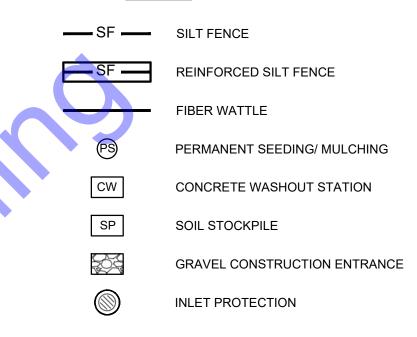
SF
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<u>ND</u>
SILT FENCE
REINFORCED SILT FENCE
FIBER WATTLE
PERMANENT SEEDING/ MULCHING
CONCRETE WASHOUT STATION
SOIL STOCKPILE
GRAVEL CONSTRUCTION ENTRANCE
INLET PROTECTION



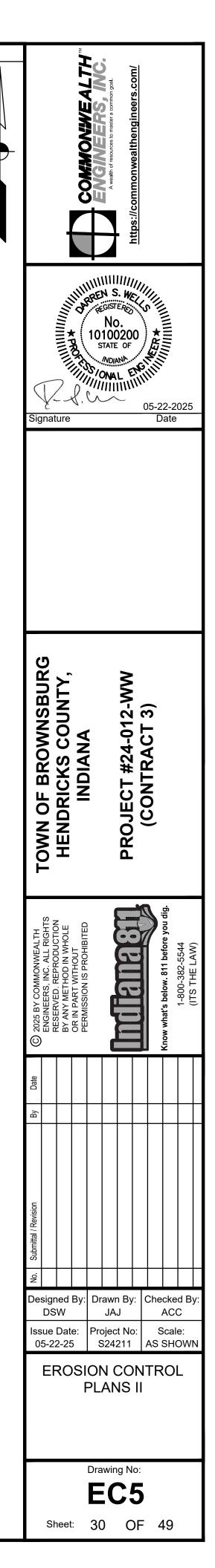


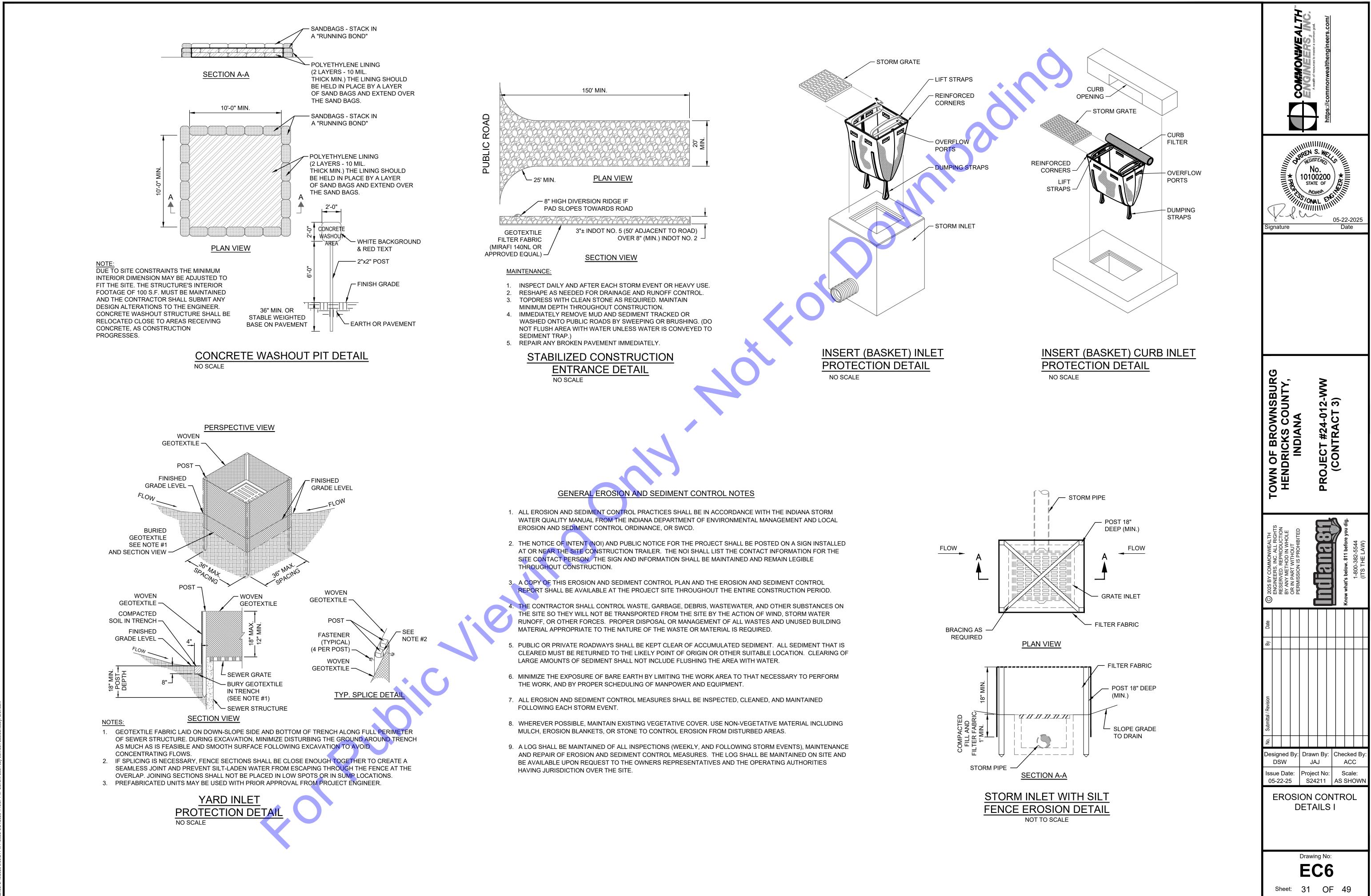
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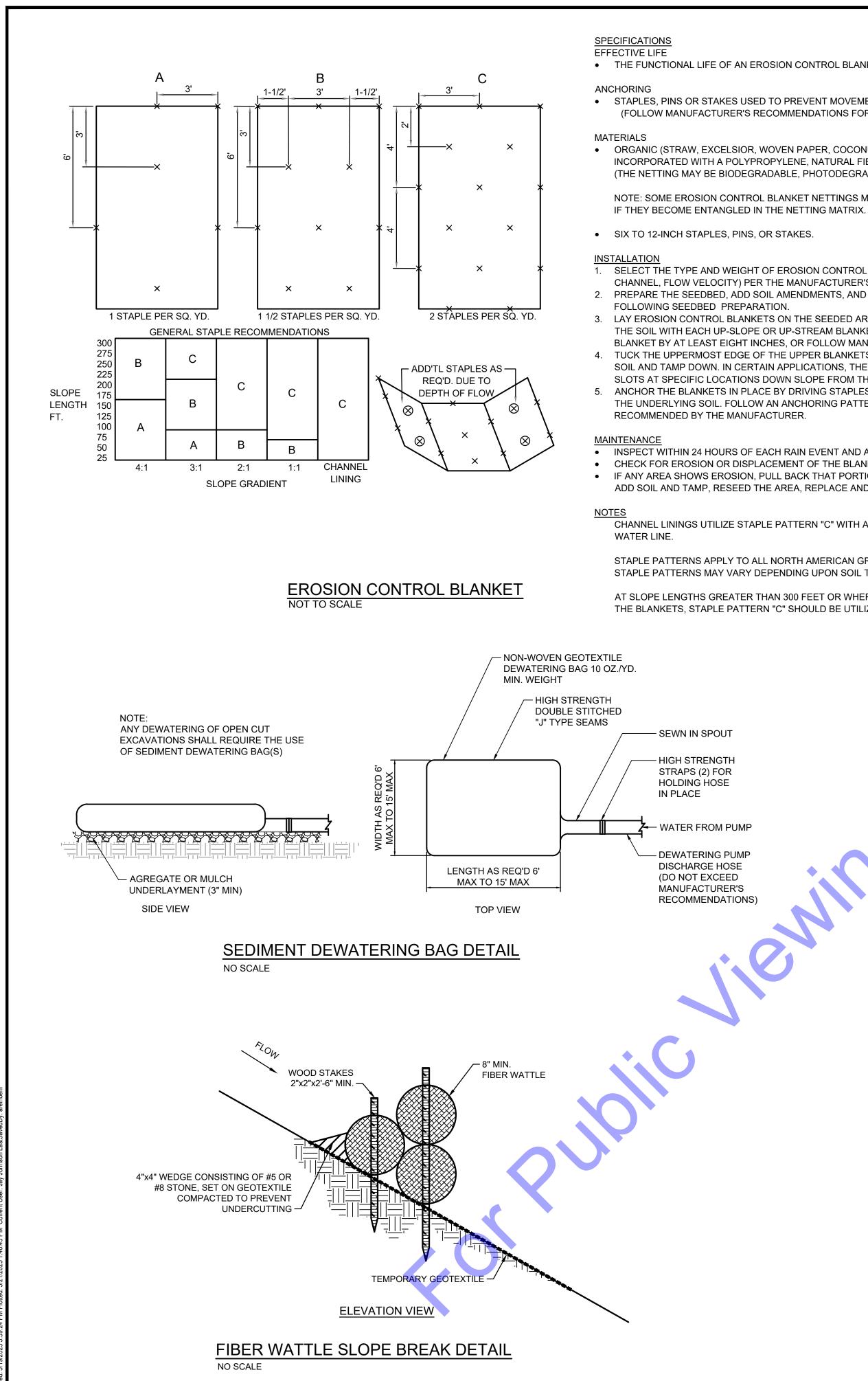


SHEET NOTES:

- 1. NOT ALL EROSION CONTROL REQUIREMENTS MAY BE SHOWN ON THIS SHEET.
- 2. CONTRACTOR SHALL REPAIR/REPLACE ANY DAMAGED SIDEWALK OR CURB TO NEXT JOINT AS A RESULT OF CONSTRUCTION ACTIVITIES.







• 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

1. 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. 2. PREPARE THE SEEDBED, ADD SOIL AMENDMENTS, AND PERMANENTLY SEED THE AREA IMMEDIATELY

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. 5. 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

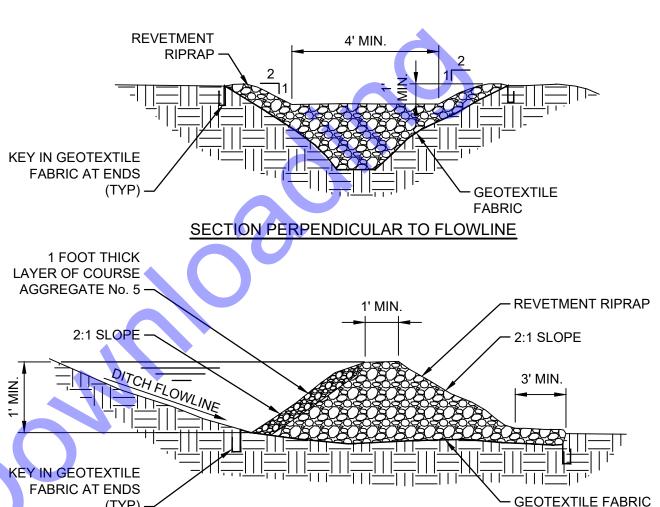
• INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS. CHECK FOR EROSION OR DISPLACEMENT OF THE BLANKET. IF ANY AREA SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET COVERING THE ERODED AREA,

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

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.

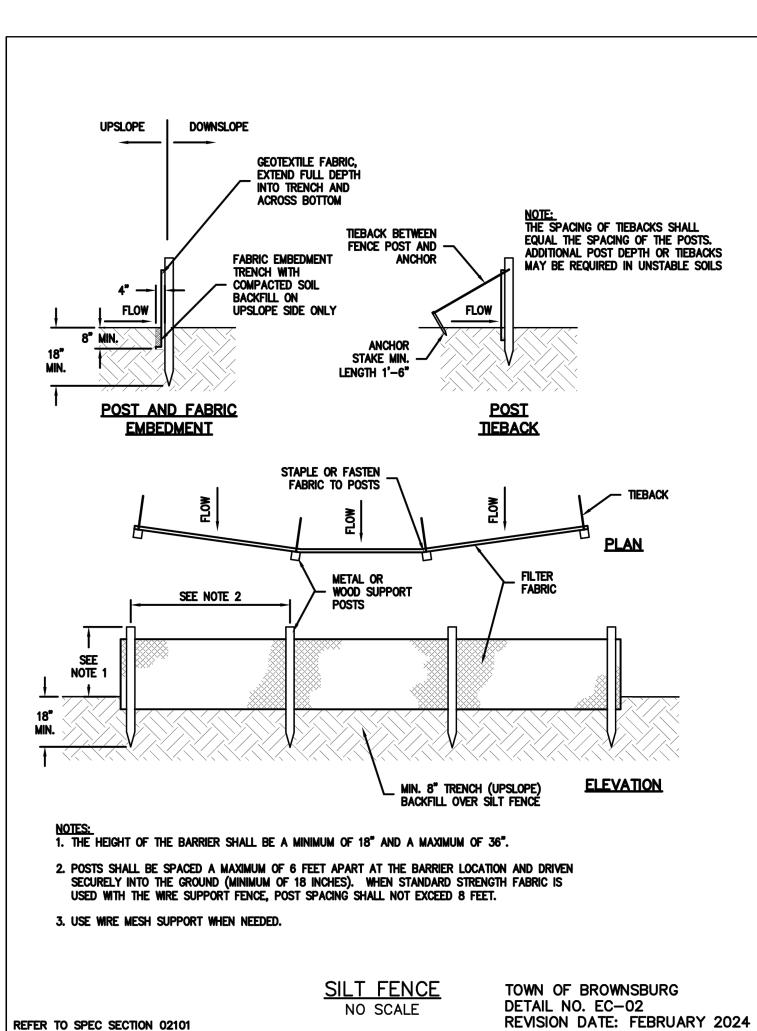


(TYP) -

GENERAL NOTES:

- ADJACENT UPSTREAM CHECK DAM.
- CONSTRUCTION.

NO SCALE

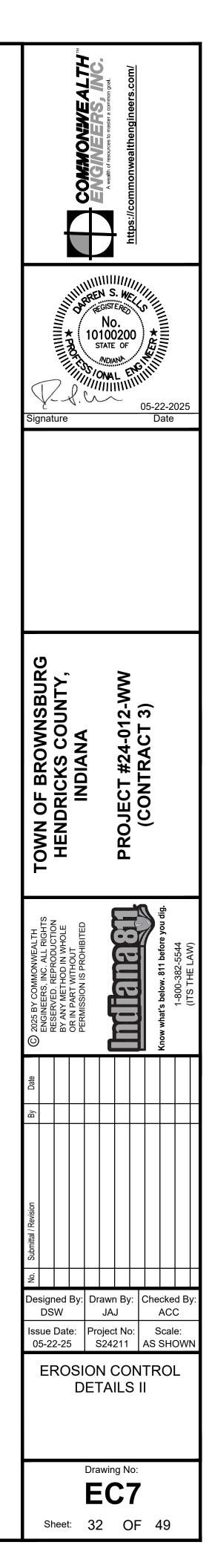


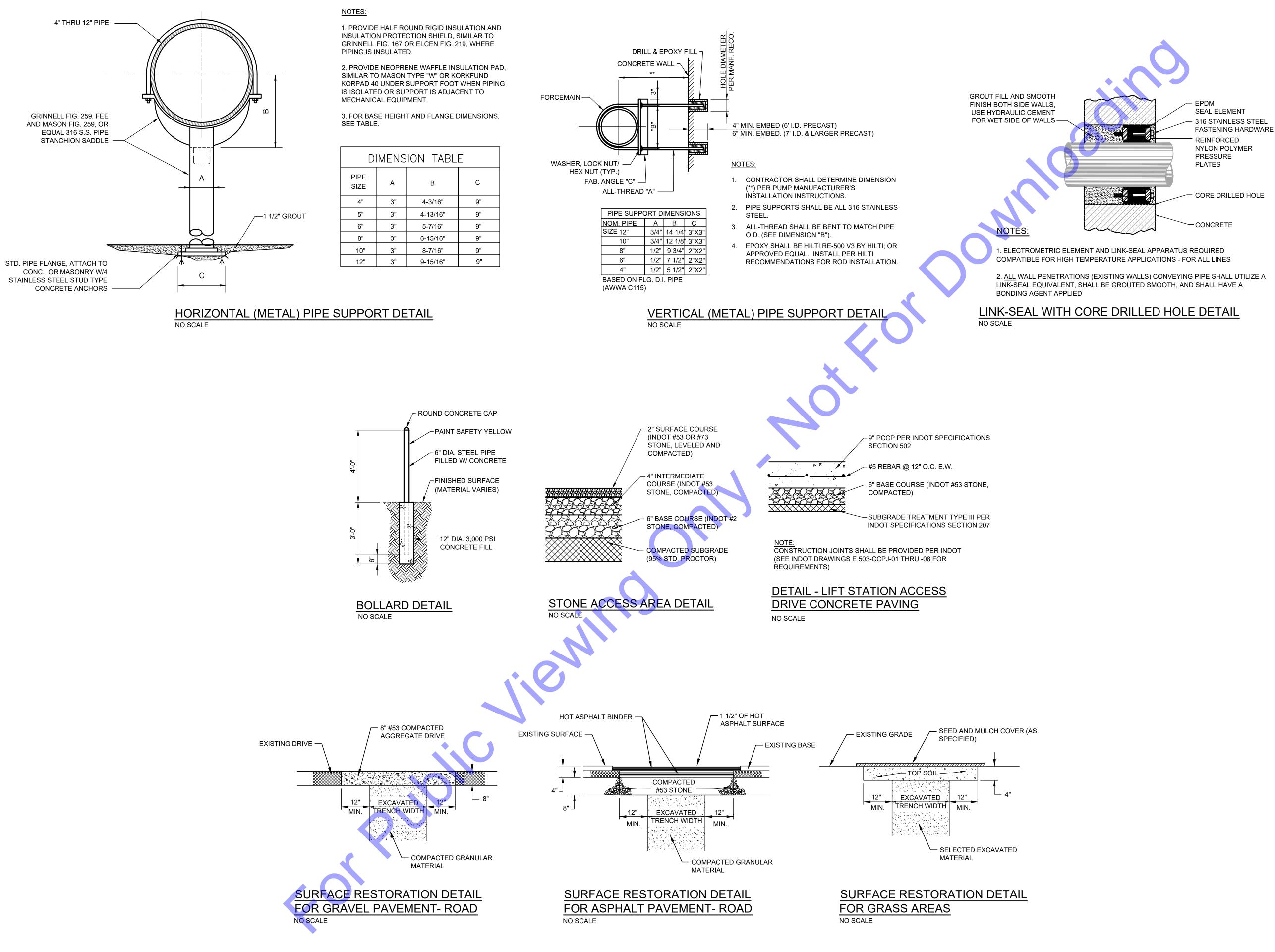
SECTION PARALLEL TO FLOWLINE

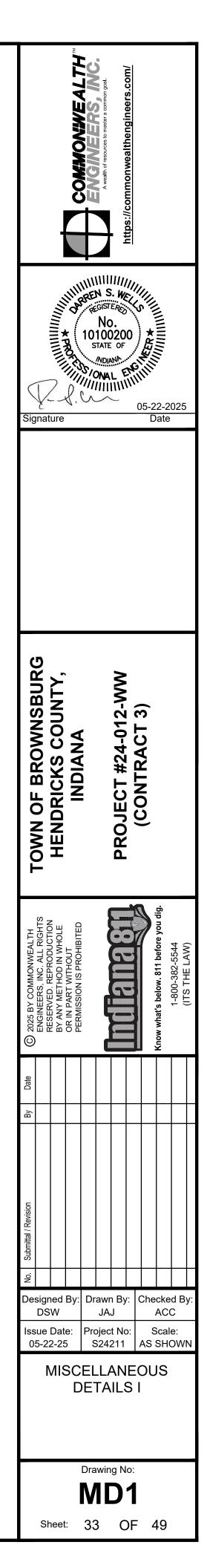
1. RIPRAP DITCH CHECK DAMS SHALL BE PLACED SUCH THAT THE TOP OF THE DOWNSTREAM CHECK DAM IS AT THE SAME ELEVATION AS THE TOE OF THE

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

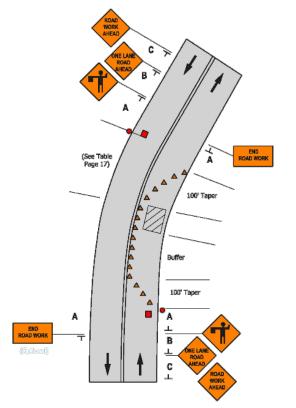
ROCK CHECK DAM DETAIL











Notes:

- 1. The flaggers shall use approved flagging procedures according to the IMUTCD and as shown on pg. 77.
- 2. If there is a side road intersection within the work area, additional traffic control, such as flaggers and appropriate signage, shall be used on the side road approaches.
- 3. If the work area is in or adjacent to a horizontal or vertical crest curve, the buffer spaces should be extended so that the two-way taper is placed before the curve to provide better sight

	Speed Limit	Sign Spacing (ft.)			Buffer (ft.)
	(mph)	Α	В	С	
īc	25	100	100	100	160
	30	100	100	100	200
	35	350	350	350	280
	40	350	350	350	320
	45	500	500	500	360
	50	500	500	500	440
re	55	500	500	500	520
	60	1000	1600	2640	600

distance for the flagger. 4. If portable rumble strips are used, they must be placed adjacent to the ONE LANE ROAD AHEAD signs.

28 | P a g e

Work Zone Traffic Control Guidelines

shoulder -

Notes:

- WORKERS sign.
- motorists.
- edge of any traveled lane.
- used.

25 | Page

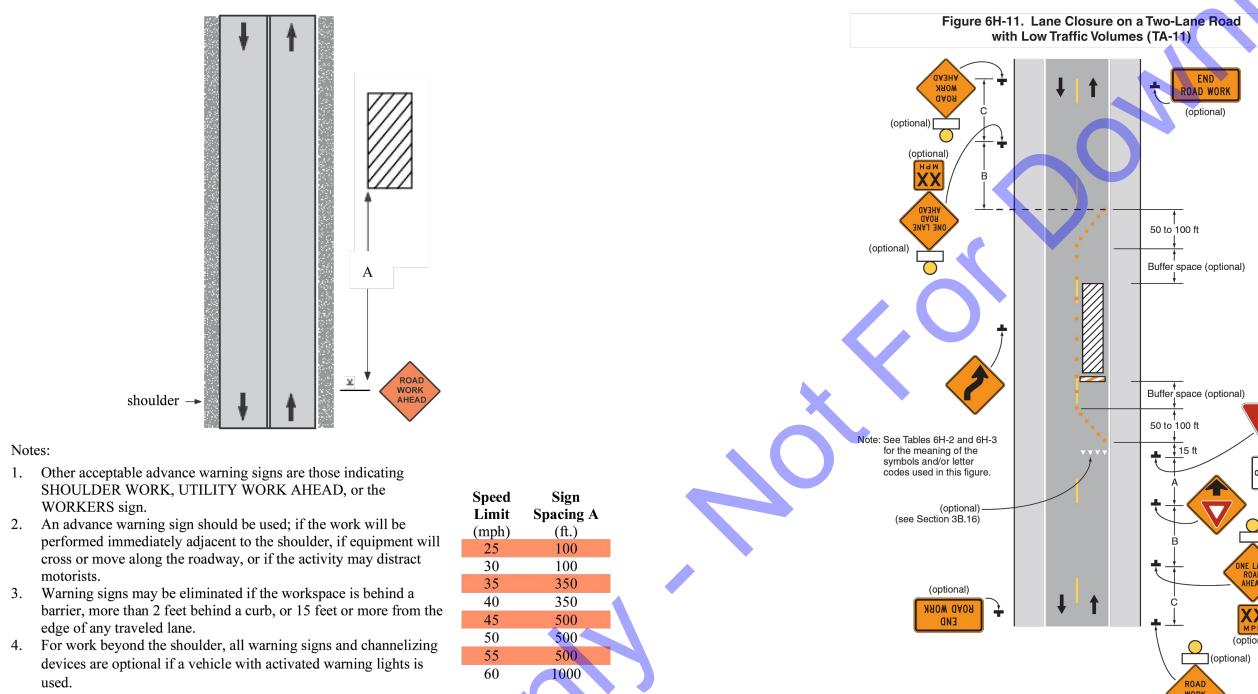
NOTES:

- 1. TRAFFIC CONTROL PLANS ARE GUIDELINES ONLY. ALL TRAFFIC CONTROL PLANS AND LANE CLOSURES MUST BE APPROVED BY THE OWNER AND APPROPRIATE AGENCY.
- 2. THE "ROAD WORK AHEAD" AND THE "END ROAD WORK" SIGNS MAY BE OMITTED FOR SHORT-DURATION OPERATIONS IF APPROVED BY OWNER.
- 3. FLASHING WARNING LIGHTS AND/OR FLAGS MAY BE USED TO CALL ATTENTION TO THE ADVANCE WARNING SIGNS. A "BE PREPARED TO STOP" SIGN MAY BE ADDED TO THE SIGN SERIES.
- 4. AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED, EXCEPT IN EMERGENCIES.
- 5. WHEN USED, THE "BE PREPARED TO STOP" SIGN SHOULD BE LOCATED BETWEEN THE "FLAGGER" SIGN AND THE "ONE LANE ROAD" SIGN.
- 6. ALL SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES SHALL BE PLACED IN ACCORDANCE WITH THE LATEST ADDITION OF THE INDIANA MUTCD AND INDOT STANDARDS.
- 7. CONTRACTOR IS RESPONSIBLE FOR PROPER IMPLEMENTATION AND MAINTENANCE OF THE TRAFFIC CONTROL PLAN.
- 8. MAINTAIN ACCESS TO RESIDENCES AT ALL TIMES OR COORDINATE CLOSURE WITH RESIDENT.

* SPEED CATEGORY SHALL BE DETERMINED BY HIGHWAY AGENCY







Work Zone Traffic Control Guidelines

NOTES:

- 1. TRAFFIC CONTROL PLANS ARE GUIDELINES ONLY. ALL TRAFFIC CONTROL PLANS AND LANE CLOSURES MUST BE APPROVED BY THE OWNER AND APPROPRIATE AGENCY.
- 2. FOR LOW-VOLUME SITUATIONS WITH SHORT WORK ZONES ON STRAIGHT ROADWAYS WHERE THE FLAGGER IS VISIBLE TO ROAD USERS APPROACHING FROM BOTH DIRECTIONS, A SINGLE FLAGGER, POSITIONED TO BE VISIBLE TO ROAD USERS APPROACHING FROM BOTH DIRECTIONS, MAY BE USED.
- 3. THE "ROAD WORK AHEAD" AND THE "END ROAD WORK" SIGNS MAY BE OMITTED FOR SHORT-DURATION OPERATIONS IF APPROVED BY OWNER.
- 4. FLASHING WARNING LIGHTS AND/OR FLAGS MAY BE USED TO CALL ATTENTION TO THE ADVANCE WARNING SIGNS. A "BE PREPARED TO STOP" SIGN MAY BE ADDED TO THE SIGN SERIES.
- 5. THE BUFFER SPACE SHOULD BE EXTENDED SO THAT THE TWO-WAY TRAFFIC TAPER IS PLACED BEFORE A HORIZONTAL (OR CREST VERTICAL) CURVE TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGER AND A QUEUE OF STOPPED VEHICLES.
- 6. AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED, EXCEPT IN EMERGENCIES.
- 7. WHEN USED, THE "BE PREPARED TO STOP" SIGN SHOULD BE LOCATED BETWEEN THE "FLAGGER" SIGN AND THE "ONE LANE ROAD" SIGN.
- 8. PROVIDE UTILITY WORK SIGNAGE WHEN WORKING IN RIGHT-OF-WAY, BUT NOT CLOSING ROAD OR LANE.

SOURCE: MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LOW-VOLUME ROADWAYS MAINTENANCE OF TRAFFIC PLAN NO SCALE



FOR LOW SPEED
URBAN
CONDITIONS *

A=100 FT.

B=100 FT.

C=100 FT.

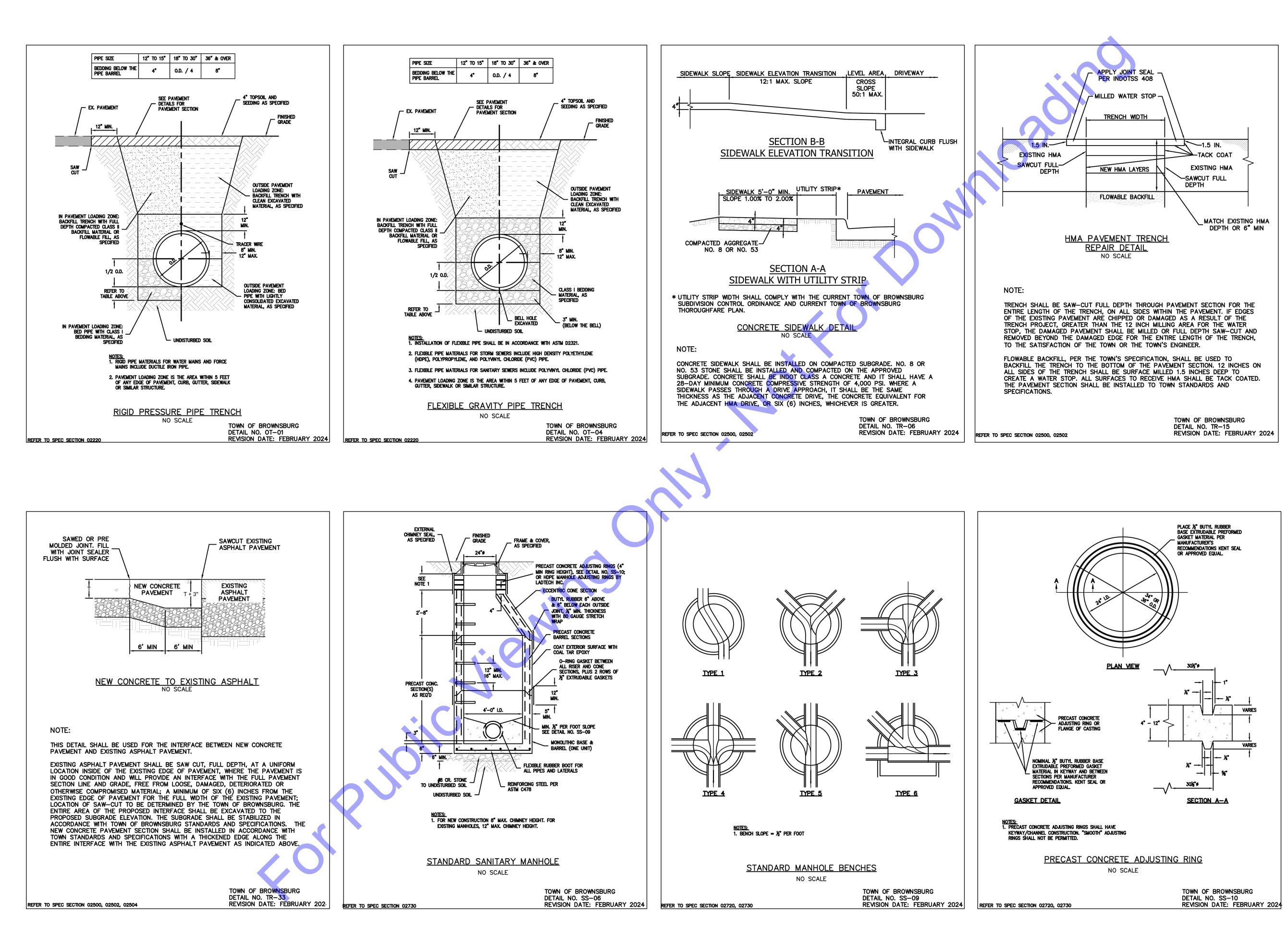
L=350 FT.

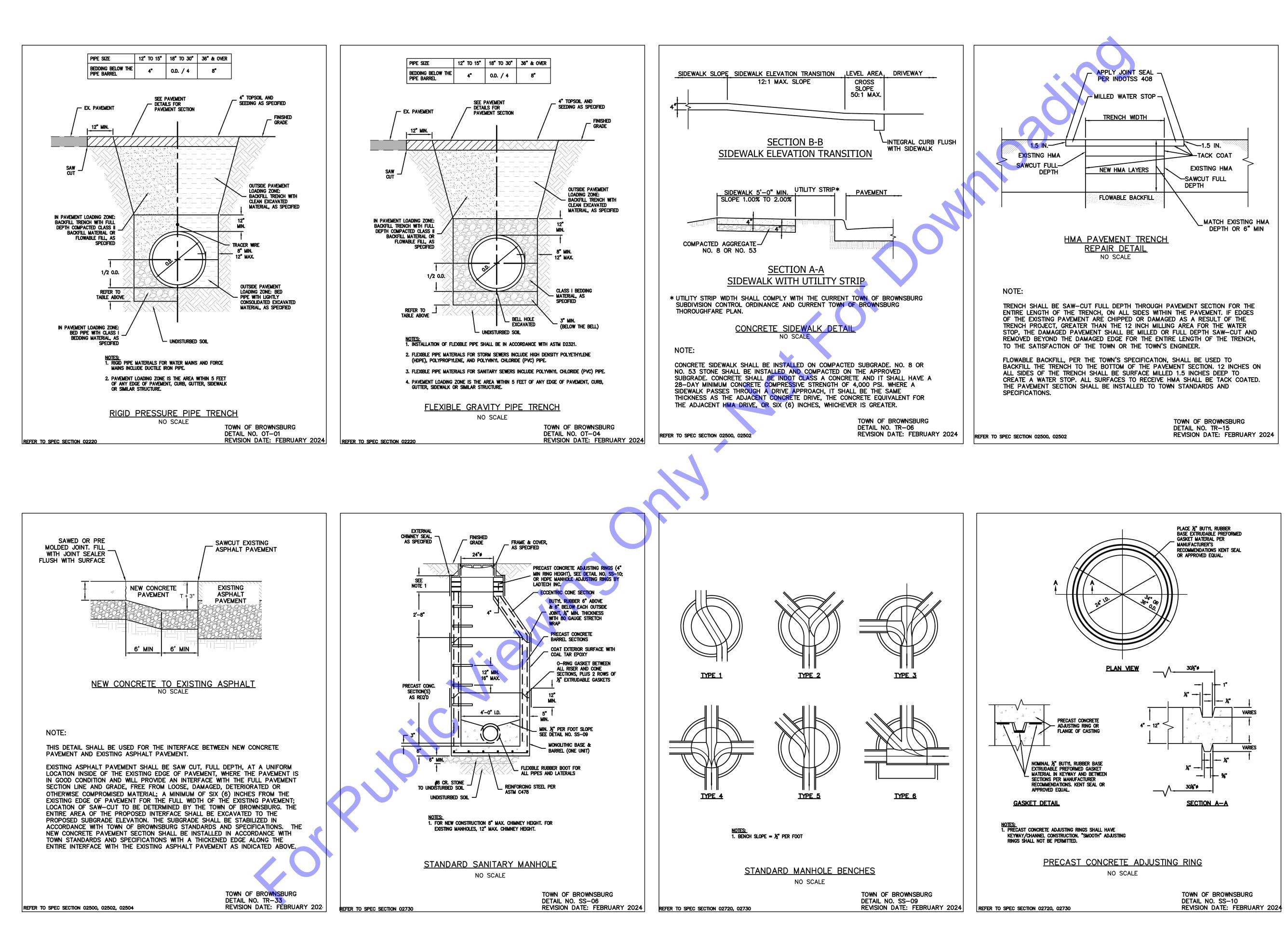
FOR HIGH SPEED URBAN CONDITIONS * A=350 FT. B=350 FT.

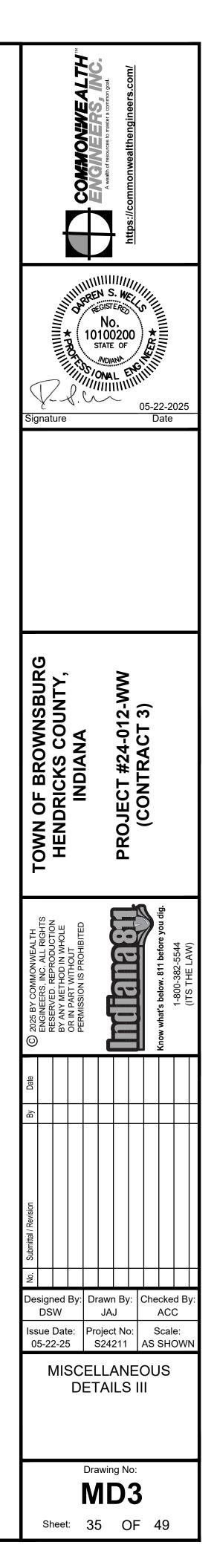
C=350 FT. L=350 FT.

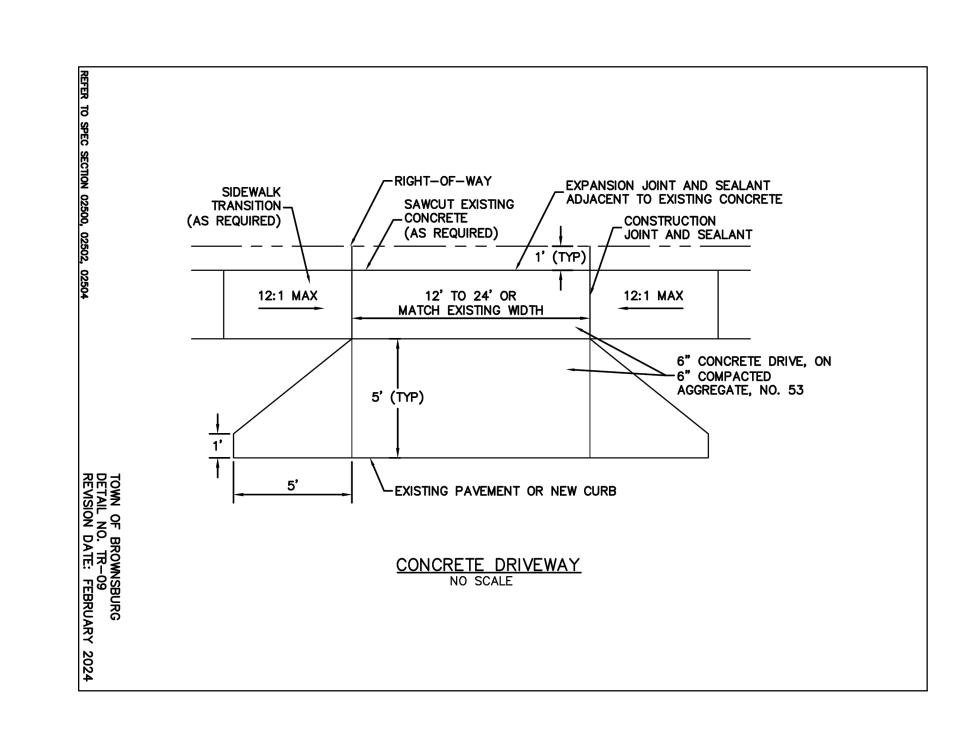
* SPEED CATEGORY SHALL BE DETERMINED BY HIGHWAY AGENCY

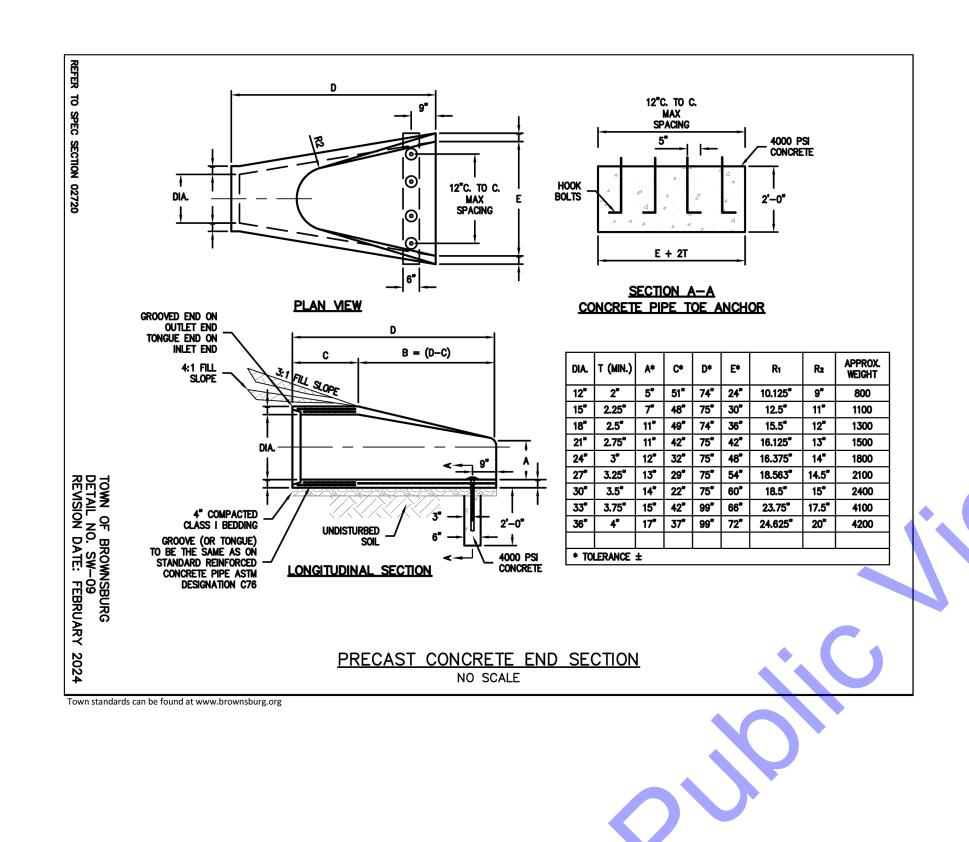
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TOWN OF BROWNSBURG HENDRICKS COUNTY,	TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA PROJECT #24-012-WW (CONTRACT 3)			
By Date C 2025 BY COMMONWEALTH ENGINEERS, INC. ALL RIGHTS ENGINEERS, INC. ALL RIGHTS RESERVED. REPRODUCTION BY ANY METHOD IN WHOLE OR IN PART WITHOUT OR IN PART WITHOUT		Know what's below. 811 before you dig. 1-800-382-5544 (ITS THE LAW)		
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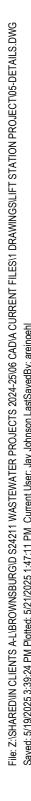


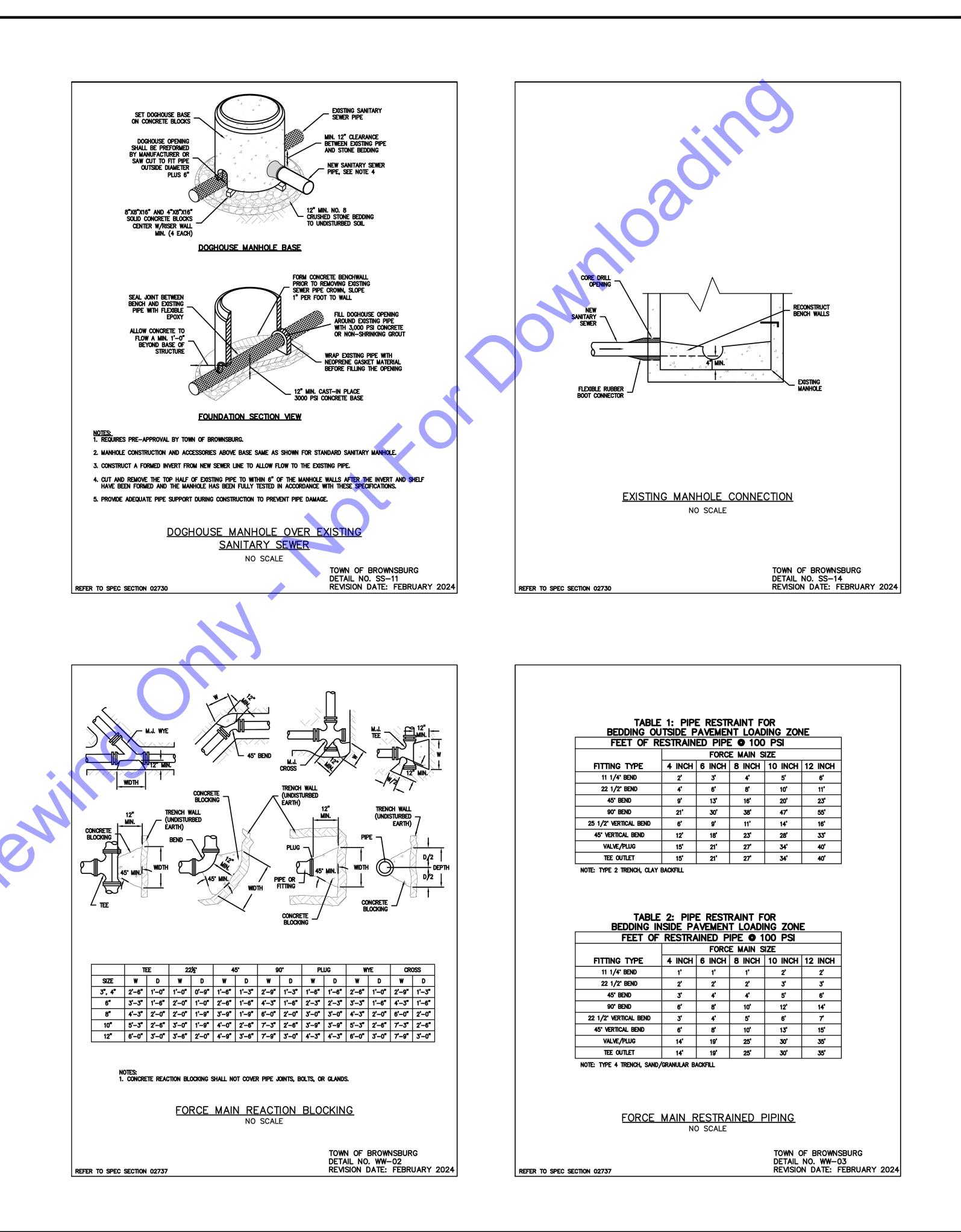


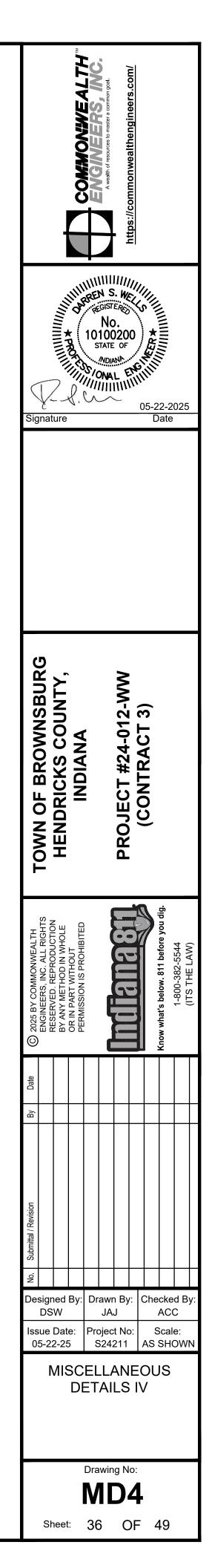


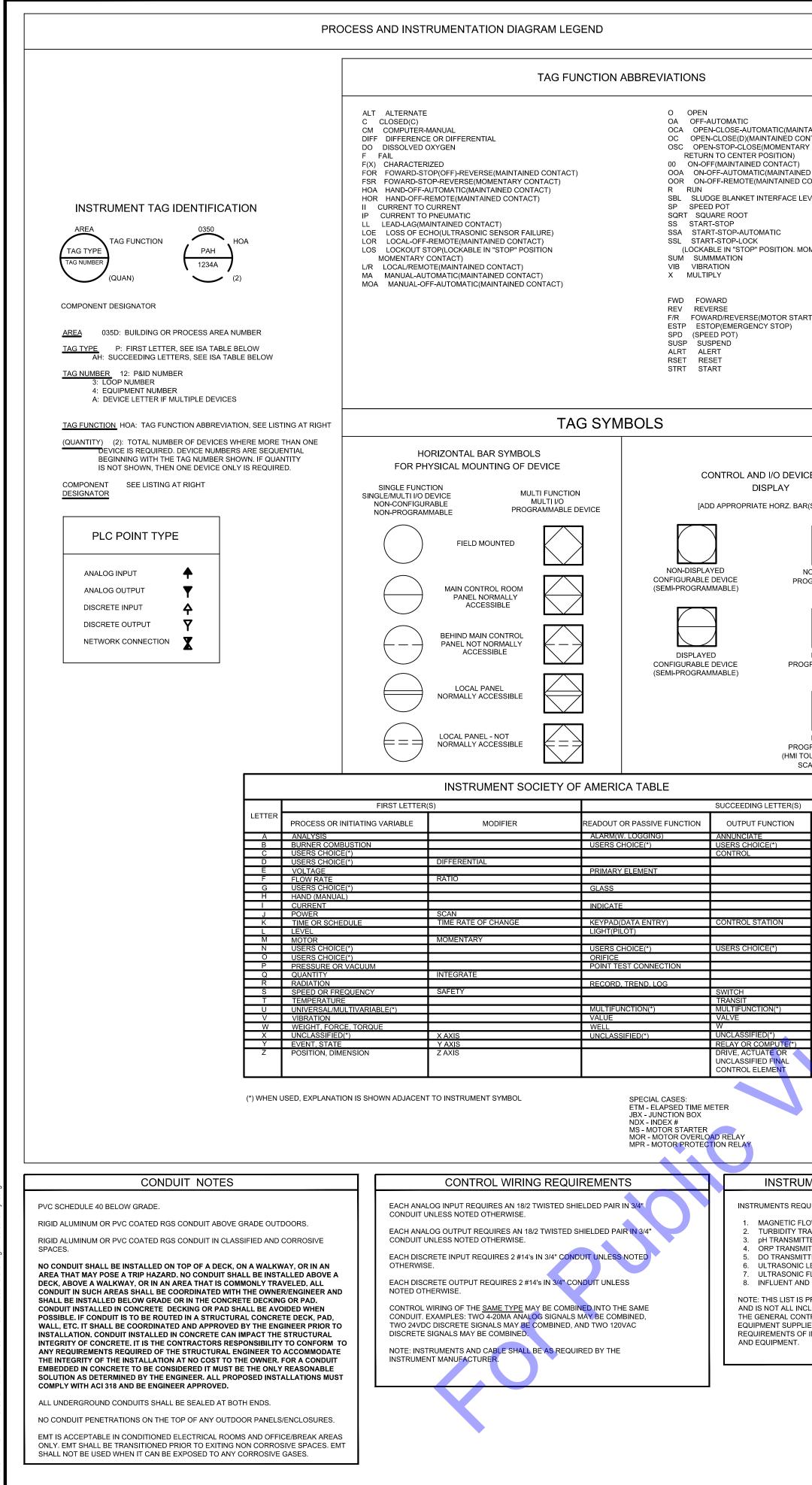












:\SHARED\IN CLIENTS A-L\BROWNSBURG\D S24211 WASTEWATER PROJECTS 2024-25\06 CAD\K MECH-ELECT\S24211 CONTRACT 3-ELECTRICAL

	ELECTRICAL GENERAL NOTES]		LEGEND	
	(GENERAL NOTES APPLICABLE TO ALL ELECTRICAL SHEETS) 1. CONTRACTOR SHALL EXAMINE NOT ONLY PLANS AND SPECIFICATIONS FOR ELECTRICAL AND INSTRUMENTATION, BUT PLANS AND SPECIFICATIONS FOR OTHER		SYMBOL	DESCRIPTION OPEN LIGHTING FIXTURE SYMBOLOGY DENOTING FIXTURES CONNECTED TO NORMAL POWER: FIXTURE TYPE DETERMINES MOUNTING.	MTG HGT AFF TO CL, UON
	RELATED SECTIONS. VISIT THE SITE TO BECOME ACQUAINTED WITH ALL PROJECT CONDITIONS INCLUDING EXISTING CONDITIONS. EXECUTION OF CONTRACT IS EVIDENCE THAT THE CONTRACTOR HAS EXAMINED ALL DRAWINGS AND SPECIFICATIONS AND THAT ALL CONDITIONS OF INSTALLING THE WORK IN THIS SECTION ARE VERIFIED. LATE CLAIMS FOR LABOR AND MATERIALS REQUIRED DUE TO DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN HAD			SINGLE DIAGONAL LIGHTING FIXTURE SYMBOLOGY DENOTING FIXTURES CONNECTED TO CRITICAL OR EQUIPMENT BRANCH (OR EMERGENCY	
INTAINED CONTACT) CONTACT) ARY CONTACT SPRING () NED CONTACT)	 EXAMINATIONS BEEN MADE WILL NOT BE RECOGNIZED. 2. THE DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO INCLUDE EVERY DETAIL OF REQUIRED CONSTRUCTION, EQUIPMENT, AND MATERIALS. PROVIDE ALL MATERIALS AND WORK NOT SPECIFICALLY MENTIONED, SHOWN, OR CAN BE REASONABLY INFERRED ON THE DRAWINGS BUT WHICH ARE NECESSARY TO FULLY 		Image: wide wide wide wide wide wide wide wide	POWER), UON: FIXTURE TYPE DETERMINES MOUNTING. BATTERY POWERED EMERGENCY LIGHTING UNIT EXIT SIGN: ARROWS DENOTE DIRECTIONAL INDICATING CHEVRON RQMTS, SHADING DENOTES FACE(S) ORIENTATION.	7'-6"
ELEVEL	 WHEN SUBSTITUTING OTHER EQUIPMENT, MATERIALS, AND PRODUCTS THAN SPECIFIED IN THE CONTRACT DOCUMENTS, INCLUDE IN PRICING ALL COSTS FOR OTHER DESIGN CHANGES TO THE PROJECT (ALL DIVISIONS) WHICH WILL RESULT 			WALLWASH OR OTHER DIRECTIONALLY ADJUSTABLE/AIMABLE FIXTURE: OPEN SIDE DENOTES ORIENTATION. TYPE DETERMINES MOUNTING. TRACK LIGHTING FIXTURE: TYPE DETERMINES MOUNTING.	
MOMENTARY CONTACT)	 4. REVIEW THE CONTRACT DOCUMENTS OF OTHER DIVISIONS, AND COORDINATE ELECTRICAL AND CONTROL WORK WITH THE WORK OF OTHER DISCIPLINES TO AVOID CONFLICTS AND INTERFERENCE. 		<u>ල</u> ම	POLE-MOUNTED SITE LIGHTING FIXTURE: TYPE DETERMINES MTG. FLOOD LIGHTING FIXTURE: TYPE DETERMINES MOUNTING. PHOTO-CELL	Ð
	 UPON COMPLETION OF THE WORK REQUIRED UNDER THIS CONTRACT, PROVIDE TYPED UPDATED DIRECTORY WITHIN DOOR OF EACH AFFECTED PANELBOARD. LEAVE "SPARE" BREAKERS IN "OFF" POSITION. 		<u> </u>	ALL FIXTURES IN THIS SPACE SHALL BE SAME TYPE INDICATED, U.O.N. SINGLE-POLE TOGGLE SWITCH	3'-10"
TARTER COILS)	 ALL MOUNTING HEIGHTS INDICATED ON DRAWINGS ARE TO CENTERLINE, UON. PROVIDE LIGHTING FIXTURES COMPATIBLE WITH CEILING CONSTRUCTION. COORDINATE WITH ARCHITECTURAL ROOM FINISH SCHEDULES. 		\$ © _w	SINGLE-POLE TOGGLE SWITCH: SLASH DENOTES ESSENTIAL POWER SYSTEM CONNECTION - TYPICAL FOR ALL SWITCHES. DUAL TECHNOLOGY, WALL MNTD OCCUPANCY SENSOR WITH MANUAL OVERRIDE SWITCH DUAL TECHNOLOGY, CEILING MNTD OCCUPANCY SENSOR WITH	3'-10" 3'-10"
	8. IN AREAS HAVING FINISHED CEILINGS, LOCATE CEILING-MOUNTED ELECTRICAL DEVICES AND FIXTURES ACCORDING TO ARCHITECTURAL REFLECTED CEILING PLAN. DO NOT INSTALL CEILING-MOUNTED SMOKE DETECTORS WITHIN 4 FEET OF HVAC SUPPLY DIFFUSERS.		©g Sor SD	REMOTE MANUAL OVERRIDE SWITCH SINGLE-POLE REMOTE OVERRIDE SWITCH FOR CEILING MNTD OCCUPANCY SENSOR DIMMER SWITCH	3'-10"
	9. IN ELECTRICAL AND MECHANICAL EQUIPMENT SPACES, COORDINATE EXACT LOCATIONS OF LIGHTING FIXTURES WITH CONDUIT BANKS, DUCTWORK, PIPING, STRUCTURE, SUPPORTS, AND OTHER OBSTRUCTIONS. LOCATE FIXTURES SUCH THAT DIALS, GAUGES, METERS, ETC. ARE PROPERLY ILLUMINATED.		SD3 SP	THREE-WAY DIMMER SWITCH SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	3'-10" 3'-10"
	 DO NOT USE ANY LIGHTING FIXTURE AS A RACEWAY FOR CONDUCTORS NOT SERVING THAT PARTICULAR FIXTURE. CONNECT BATTERY-OPERATED EMERGENCY LIGHTING UNITS AND EXIT SIGNS HAVING BATTERY BACK-UP TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT IN 		Sm St	SINGLE-POLE MOTOR-RATED TOGGLE SWITCH DISCONNECT SINGLE-POLE OR DOUBLE-POLE MANUAL MOTOR STARTER WITH MELTING ALLOY ELEMENTS FOR THERMAL OVERLOAD PROTECTION	3'-10" 3'-10"
VICES BAR(S)]	ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND NEC SUCH THAT FAILURE OF CIRCUIT TRANSFERS UNIT FROM NORMAL TO EMERGENCY MODE, CAUSING LAMPS TO RE-ENERGIZE. 12. DO NOT INSTALL OUTLET BOXES BACK-TO-BACK IN NON-RATED PARTITIONS.		S _{IR} Sit S J	OCCUPANCY SENSOR SWITCH INTERVAL TIMER RESET AND CONTROL SWITCH JOG SWITCH	3'-10" 3'-10" 3'-10"
	 DO NOT INSTALL OUTLET BOXES BACK TO BACK IN NON-RATED FARTITIONS. OFFSET AND SEAL, SIMILAR TO REQUIREMENTS FOR RATED PARTITIONS, TO MINIMIZE SOUND TRANSMISSION. COORDINATE ROUTING OF ALL LARGE CONDUITS (2" DIA AND LARGER) AND PULL BOX LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION TO AVOID 		P	MUSHROOM HEAD TYPE PUSHBUTTON STATION AUTO DOOR CONTROL PUSHPLATE	5'-0"
NON-DISPLAYED PROGRAMMABLE DEVICE (ie: PLC)	 14. COORDINATE WITH OWNER OR OWNER'S SELECTED VENDOR PRIOR TO ROUGH-IN FOR EXACT LOCATIONS OF SPECIAL PURPOSE OUTLETS DEDICATED TO SPECIFIC 		Sv S _{LV}	VARIABLE INTENSITY CONTROLLER INCLUDED WITH OWNER- FURNISHED-CONTRACTOR-INSTALLED SURGICAL LIGHTING FIXTURE LOW VOLTAGE CONTROL SWITCH FACTORY SUPPLIED WALL CONTROLLER FOR CEILING MOUNTED	5'-0" 3'-10"
	EQUIPMENT. VERIFY REQUIRED NEMA CONFIGURATION OF ALL SUCH OUTLETS. 15. PROVIDE APPROPRIATE PULL WIRE IN EACH EMPTY SYSTEMS CONDUIT INCLUDED IN THIS PROJECT.		₩S Φ=	LIGHT-INSTALLED BY ELECTRICAL CONTRACTOR 120V DUPLEX RECEPTACLE, STANDARD MOUNTING HEIGHT 120V DUPLEX RECEPTACLE, SPECIAL MOUNTING HEIGHT INSTALL AT SAME HEIGHT AS SWITCHES IF NO HEIGHT IS INDICATED	3'-10" 1'-6" ABOVE COUNTE
DISPLAYED ROGRAMMABLE DEVICE	 INCLUDE GREEN-INSULATED GROUNDING CONDUCTOR SIZED PER 2002 NEC TABLE 250-122 WITH ALL BRANCH CIRCUIT CONDUCTORS SERVING LIGHTING FIXTURES, RECEPTACLES, MECHANICAL OR OTHER DEVICES INSTALLED AT OR BELOW 8-0". MATCH A.I.C. RATINGS AND OTHER CHARACTERISTICS OF EXISTING DEVICES IN 		⊕= ●=	120V QUADRUPLEX RECEPTACLE, STANDARD MOUNTING HEIGHT 120V QUADRUPLEX RECEPTACLE, SPECIAL MOUNTING HEIGHT INSTALL AT SAME HEIGHT AS SWITCHES IF NO HEIGHT IS INDICATED	1'-6" ABOVE COUNTE
	 PANELBOARD WHEN ADDING BREAKERS TO EXISTING PANELBOARDS. 18. ALL WORK SHALL BE IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE - LATEST EDITION ADOPTED BY INDIANA, THE INDIANA CODE AMENDMENT, LOCAL/MUNICIPAL CODE, AND THE AUTHORITIES HAVING JURISDICTION. 			120V SINGLE RECEPTACLE, AMP RATING (IF OTHER THAN 20A) SHOWN: STANDARD MOUNTING HEIGHT, OR OTHER HEIGHT AS NOTED 120V GFCI DUPLEX RECEPTACLE, STANDARD MOUNTING HEIGHT 120V GFCI QUADRUPLEX RECEPTACLE, SPECIAL MOUNTING HEIGHT	1'-6", UON 1'-6"
DISPLAYED ROGRAMMABLE POINT I TOUCH SCREEN OR SCADA SOFTWARE)	 ALL CONNECTIONS TO EQUIPMENT SUBJECT TO MOVEMENT OR VIBRATION SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, NOT LESS THAN 12" IN LENGTH, NOR GREATER THAN 36" IN LENGTH. 			INSTALL AT SAME HEIGHT AS SWITCHES IF NO HEIGHT IS INDICATED 120V GFCI DUPLEX RECEPTACLE, SPECIAL MOUNTING HEIGHT INSTALL AT SAME HEIGHT AS SWITCHES IF NO HEIGHT IS INDICATED SINGLE RECEPTACLE (OTHER THAN 120V), VOLTAGE, AMP RATING, NEMA CONFIGURATION, AND MOUNTING HEIGHT AS NOTED	ABOVE COUNTE
S)	 20. ALL CONDUIT PENETRATIONS SHALL BE SEALED WITH APPROPRIATE CONDUIT SEALING MATERIAL. 21. ALL CABLE SIZES SHALL UTILIZE COPPER CONDUCTORS. 		⊫ ⊚	RECPTACLE OR J-BOX CONNECTION FOR X-RAY VIEWER: VERIFY CONNECTION RQMTS WITH UNIT FURNISHED PRIOR TO ROUGH-IN 120V DUPLEX RECEPTACLE IN FLUSH FLOOR-MOUNTED BOX	
MODIFIER USERS CHOICE(*) CLOSE	22. FIELD VERIFY LOCATIONS OF BUILDING EXPANSION JOINTS WHEN ROUTING CONDUIT. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL BE INSTALLED WITH THE EXPANSION FITTINGS. EXPANSION FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC AND MANUFACTURERS WRITTEN RECOMMENDATIONS.			TELE-POWER POLE HALON DUMP STATION	
FEEDBACK	23. FEEDERS FROM PANELBOARDS BACK TO MAIN SWITCHBOARD, BETWEEN AUTO TRANSFER SWITCHES AND THEIR SOURCES/LOADS, BETWEEN DRY TRANSFORMERS AND THEIR SOURCES/LOADS ARE NOT INDICATED. FEEDERS ARE PART OF THE WORK, AND SHALL BE SIZED AS INDICATED ON THE LINE DIAGRAM.		F FK	FIRE ALARM MANUAL PULL STATION FIRE ALARM MANUAL PULL STATION, KEY-OPERATED FIRE ALARM CEILING-MOUNTED SMOKE DETECTOR	3'-10" 3'-10"
LOW	24. HOMERUNS SHALL NOT BE COMBINED IN A RACEWAY UNLESS SHOWN ON THE CONTRACT DRAWINGS. SINGLE PHASE BRANCH CIRCUIT HOMERUNS MAY BE COMBINED AT THE CONTRACTORS DISCRETION NOT GREATER THAN (3) PHASE CONDUCTORS, NEUTRAL CONDUCTORS, AND A GROUNDING CONDUCTOR.		H D _s	FIRE ALARM CEILING-MOUNTED HEAT DETECTOR FIRE ALARM SUPPLY AIR DUCT-MOUNTED SMOKE DETECTOR	
USERS CHOICE(*)	 25. EACH SINGLE PHASE BRANCH CONDUCTOR SHALL HAVE A DEDICATED NEUTRAL BACK TO THE PANEL. 26. ALL PENETRATIONS BELOW GRADE SHALL USE LINK SEALS. 			FIRE ALARM RETURN AIR DUCT-MOUNTED SMOKE DETECTOR	AS NOTED
MULTIFUNCTION(*)	27. WHERE LOW VOLTAGE (CONTROL) CABLING IS ALLOWED TO BE INSTALLED WITHOUT A RACEWAY, IT SHALL BE SUPPORTED NOT EXCEEDING INTERVALS OF 48", AND NOT MORE THAN 6" FROM THE CABINETS, BOXES, FITTINGS, OUTLETS, RACKS, FRAMES AND TERMINALS.		FS	FIRE ALARM PROJECTED BEAM SMOKE DETECTOR - TRANSMITTER FIRE ALARM CONNECTION TO SPRINKLER SYSTEM VALVE STATUS SWITCH (TAMPER SWITCH) FIRE ALARM CONNECTION TO SPRINKLER SYSTEM WATER FLOW SWITCH	AS NOTED
UNCLASSIFIED(*)	 28. ALL MOUNTING HARDWARE INCLUDING NUTS, BOLTS, SCREWS, WASHERS, ETC. SHALL BE STAINLESS STEEL. 29. MOUNT JUNCTION BOXES AND DISCONNECT SWITCHES ON STAINLESS STEEL UNISTRUT. 		F⊅ F√	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE-CHIME & STROBE	6'-8" 6'-8"
	30. ALL UNISTRUT, MOUNTING BRACKETS AND SUPPORTING STRUCTURES SHALL BE STAINLESS STEEL.31. DO NOT MIX CONTROL AND POWER CONDUCTORS IN THE SAME CONDUIT. DO NOT		© © +© F∺⊲	FIRE ALARM VISUAL ONLY NOTIFICATION DEVICE - STROBE LIGHT FIRE ALARM SPEAKER: CEILING-MOUNTED, WALL-MOUNTED FIRE ALARM HORN, WALL-MOUNTED	6'-8" 6'-8" AS NOTED
~	MIX DISCRETE AND ANALOG CONTROL CONDUCTORS IN THE SAME CONDUIT. 32. ADJUSTABLE SPEED DRIVES (ASD) LINE AND LOAD WIRE SHALL BE RUN IN SEPARATE RACEWAYS.		RI HRI SAI HSAI	DUCT SMOKE DETECTOR ALARM REMOTE INDICATOR LIGHT: CEILING-MOUNTED, WALL-MOUNTED DUCT SMOKE DETECTOR ALARM REMOTE INDICATOR LIGHT AND TEST SWITCH: CEILING-MOUNTED, WALL-MOUNTED	6'-8"
	33. CONTRACTOR SHALL COORDINATE WITH HEAT TRACE MANUFACTURER DURING BIDDING AND CONSTRUCTION AND SHALL PROVIDE ALL CONDUIT, WIRING, AND CIRCUITS AS REQUIRED. HEAT TRACE SHALL BE PROVIDED/INSTALLED COMPLETE. ALL HEAT TRACE IS REQUIRED TO BE GFI PROTECTED.		Z	FIRE ALARM ZONE ADDRESSABLE MODULE	
EQUIRING 120 VAC: FLOW METERS TRANSMITTERS MITTERS	 34. CONTRACTOR SHALL NOT COMBINE POWER FEEDS FOR THREE PHASE LOADS. 35. THE BELOW LOCATIONS ARE WHERE GFCI OUTLETS ARE REQUIRED: 35.1. KITCHENS: ALL KITCHEN OUTLETS. 35.2. BATHROOMS: GFCI OUTLETS ARE REQUIRED IN BATHROOMS NEAR THE SINK. 		◆ ID	FIRE ALARM ELECTRO-MAGNETIC DOOR HOLDER FIRE RELAY DESK MOUNTED INTERCOM	6'-4"
SMITTERS MITTERS IIC LEVEL TRANSMITTERS IIC FLOW TRANSMITTERS AND EFFLUENT SAMPLERS	 35.3. GARAGES: GFCI OUTLETS ARE REQUIRED IN GARAGES THAT HAVE SINKS. 35.4. BASEMENTS: UNFINISHED BASEMENTS REQUIRE AT LEAST ONE GFCI OUTLET. 35.5. OUTDOOR SPACES: GFCI OUTLETS ARE REQUIRED IN OUTDOOR AREAS THAT ARE ACCESSIBLE OR AT GRADE LEVEL. 35.6. LAUNDRY ROOMS: ALL LAUNDRY ROOM OUTLETS. 35.7. ORANG SPACES: OFCI OUTLETS ARE REQUIRED IN ORANG SPACES WILLEDE 		© \$×	WALL MOUNTED INTERCOM EXPLOSION PROOF SWITCH	 3'-10"
IS PROVIDED AS A REFERENCE INCLUSIVE. COORDINATE WITH ONTRACTOR AND THE PPLIERS FOR DETAILED WIRING	 35.7. CRAWL SPACES: GFCI OUTLETS ARE REQUIRED IN CRAWL SPACES WHERE MECHANICAL EQUIPMENT IS LOCATED. 35.8. UTILITY ROOMS: ALL UTILITY ROOM OUTLETS. 36. LIMIT CAT 6E INSTALLATION TO 230' MAXIMUM DISTANCE. CONTRACTOR SHALL 		\$3 \$4	3 WAY SWITCH 4 WAY SWITCH	3'-10" 3'-10"
OF INSTRUMENTS, SENSORS, ſ.	FURNISH AND INSTALL FIBER OPTIC CABLE AND MEDIA CONVERTERS IF CONDUIT ROUTING EXCEEDS CAT 6E LIMITS.	 	\$ _{WP}	PUMP AND METER LEGEND	3'-10"
				DESCRIPTION MAGNETIC FLOW METER SONIC FLOW METER	
			 	CENTRIFUGAL PUMP	

67

LOBE PUMP

GRINDER PUMP

PERISTALTIC PUMP

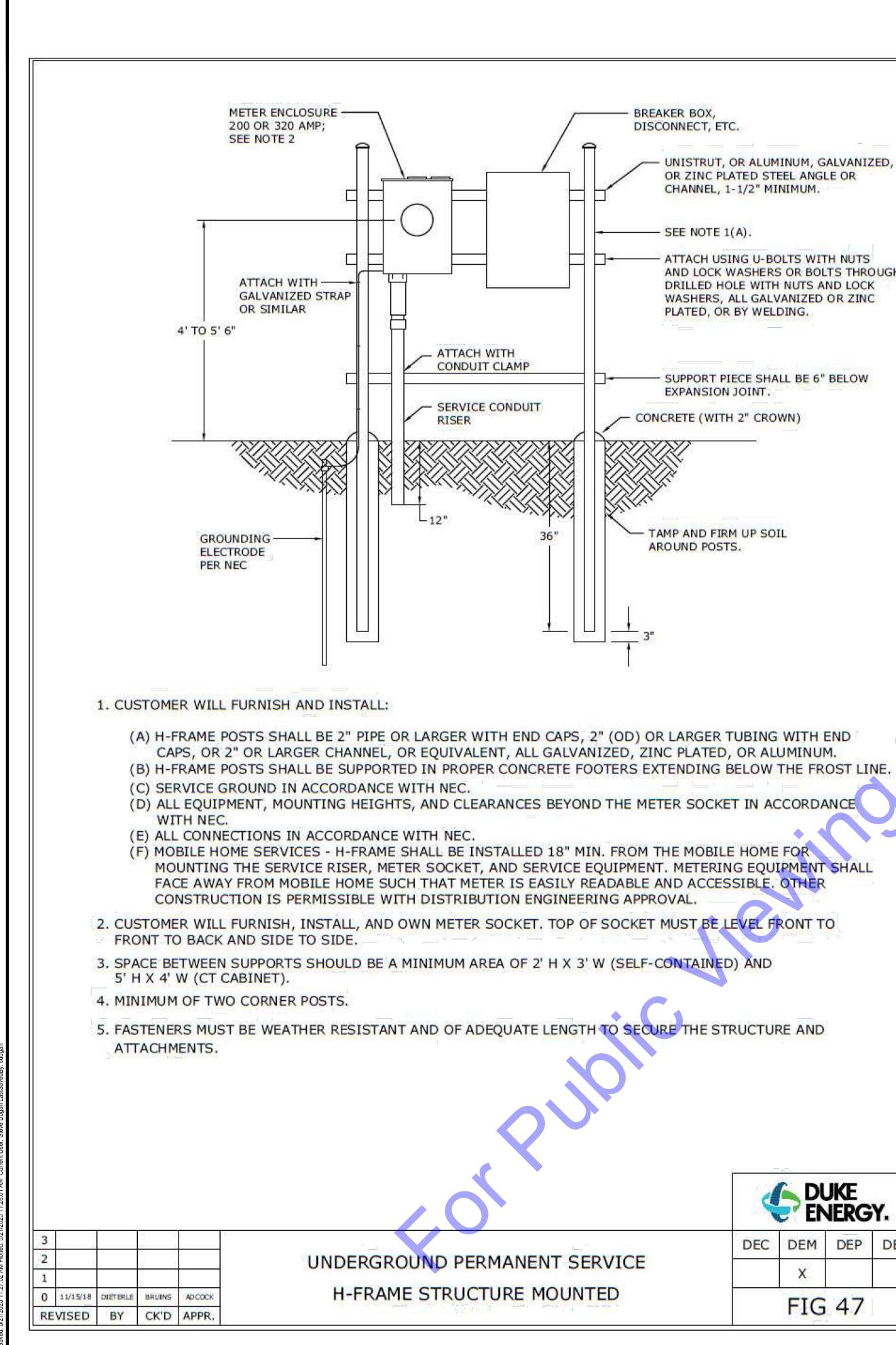
SYMBOL DESCRIPTION							
AMONE PINISHED FLOOR MON MONTOR ADDIE FINISHED FLOOR MON MONTOR ADDIE FINISHED FLOOR MON MUTH-VEWER C SEMENTALISAND TO ELUNG MV MUTH-VEWER C SEMENTALISAND TO ELUNG MV MUTH-VEWER C SEMENTALISAND TO ELUNG MV MUTH-VEWER C CUTHENNE OCC MUTH-VEWER CC CUTHENNE OCC RESURPTION CUTHE DERGENCY RESURPTION MUTH-VEWER CUTHE DERGENCY RESURPTION MUTH-VEWER FW HEICHTERNETTION UCR MUTH-VEWER			1				
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	Drawing No: E0-0 Sheet: 37 OF 49										

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EAL S. W



ELECTRICAL NOTES:

- DUKE ENERGY DRAWING IS ATTACHED AS A REFERENCE ONLY FOR 1. RELOCATED UNDERGROUND SERVICE TO LIFT STATIONS. CONTRACTOR SHALL COORDINATE WITH DUKE ENERGY FOR EXACT METER BASE REQUIREMENTS AND COST OF RELOCATED ELECTRICAL SERVICE. CONTRACTOR SHALL BEAR THE COSTS OF PROVIDING RELOCATED ELECTRICAL SERVICES TO THE FOLLOWING LIFT STATIONS. ARBUCKLE ACRES LIFT STATION.
- Α. B. HORNADAY LIFT STATION.
- C. SCHOOL LIFT STATION.
- 2. THE FOLLOWING LIFT STATION ELECTRICAL SERVICE METER BASES SHALL REMAIN AS CURRENT. LOCUST LANE LIFT STATION.
- Α. B. HYDE PARK LIFT STATION.

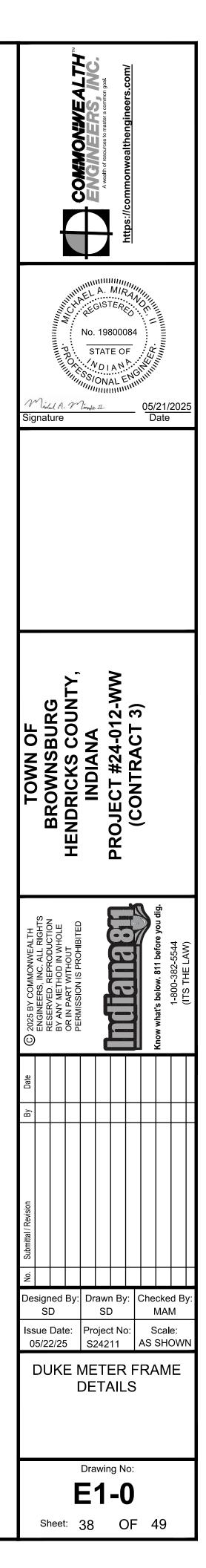
UNISTRUT, OR ALUMINUM, GALVANIZED, OR ZINC PLATED STEEL ANGLE OR CHANNEL, 1-1/2" MINIMUM.

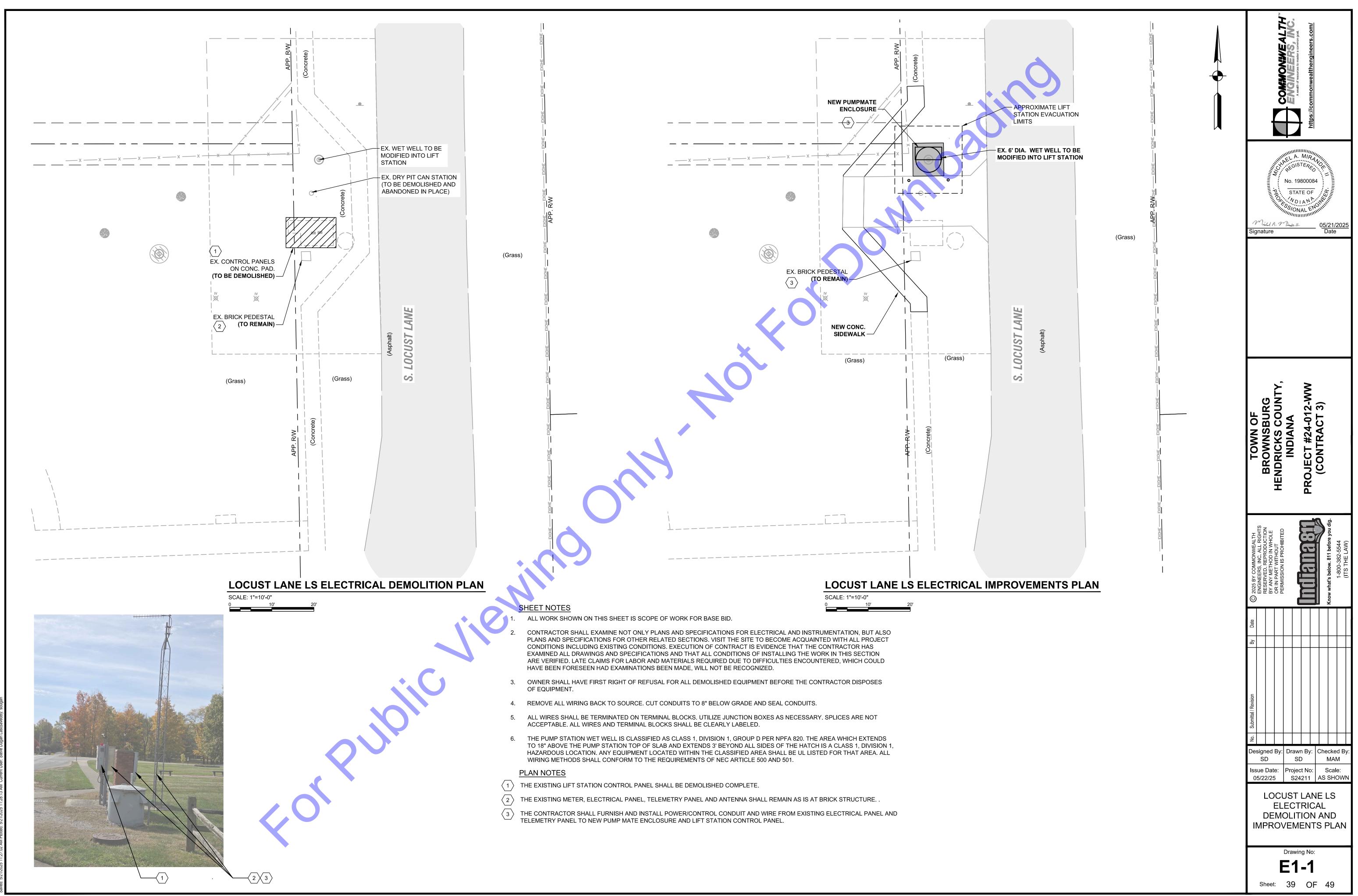
ATTACH USING U-BOLTS WITH NUTS AND LOCK WASHERS OR BOLTS THROUGH DRILLED HOLE WITH NUTS AND LOCK WASHERS, ALL GALVANIZED OR ZINC PLATED, OR BY WELDING.

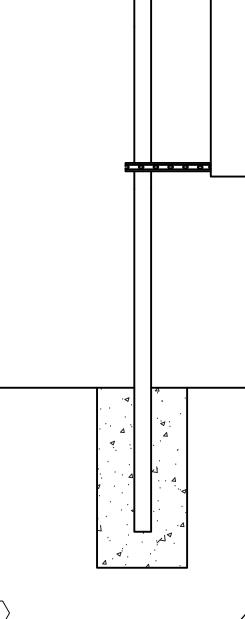
SUPPORT PIECE SHALL BE 6" BELOW

		jke Jerg	Y.
DEC	DEM	DEP	DEF
	x		
	FIG	47]









 $\langle 4 \rangle$ NEW POWER/ALARM CONDUIT AND WIRE FROM LIFT STATION PUMP MATE CONTROL PANEL -

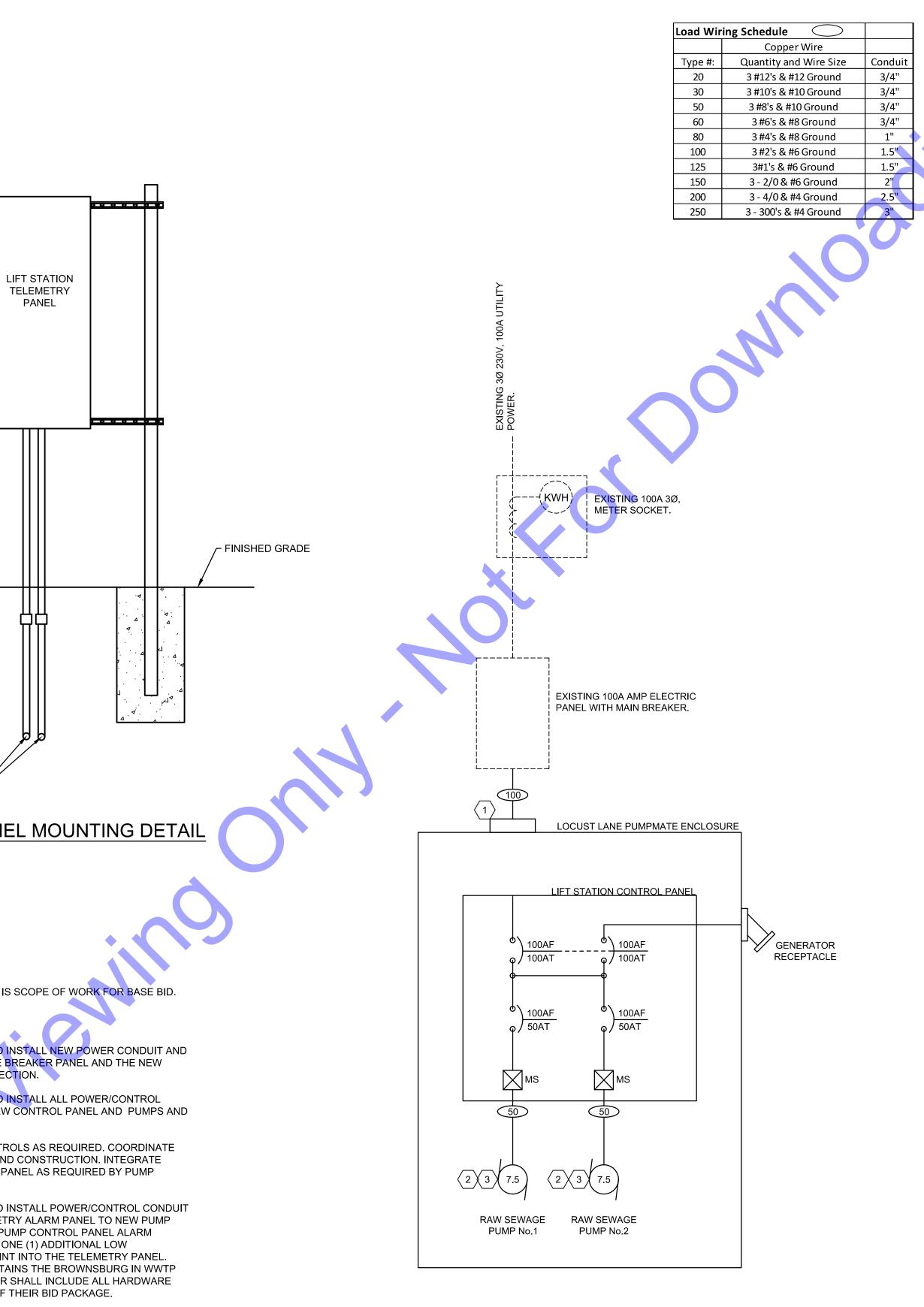
EX. TELEMETRY PANEL MOUNTING DETAIL

SHEET NOTES

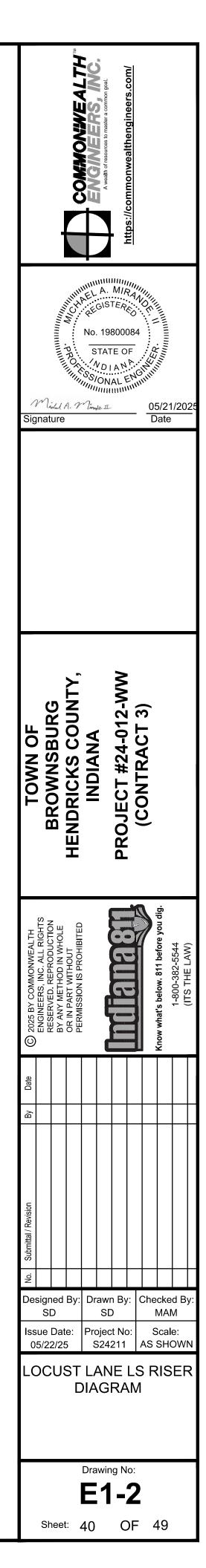
1. ALL WORK SHOWN ON THIS SHEET IS SCOPE OF WORK FOR BASE BID.

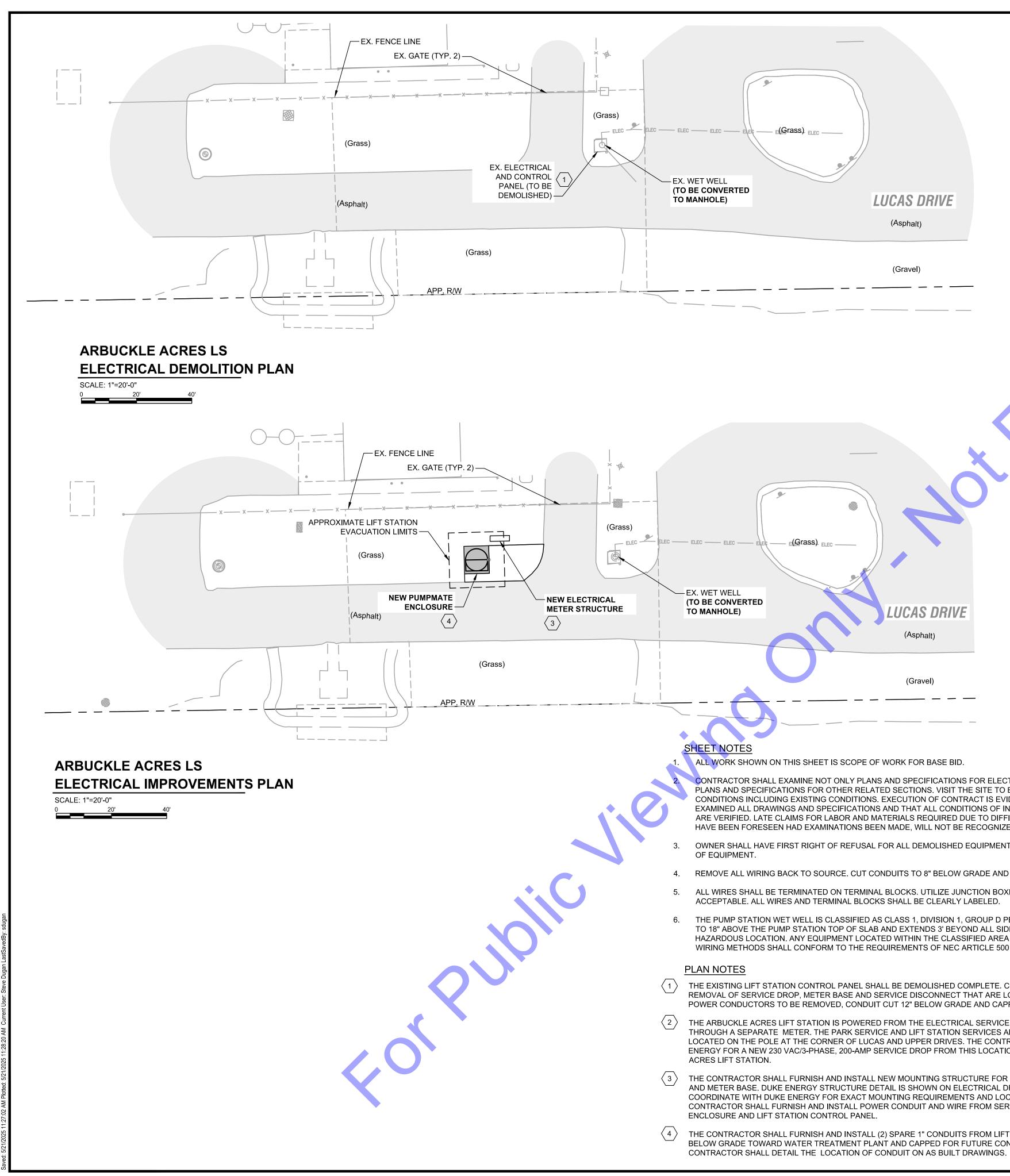
PLAN NOTES:

- THE CONTRACTOR SHALL FURNISH AND INSTALL NEW POWER CONDUIT AND WIRE BETWEEN THE EXISTING SERVICE BREAKER PANEL AND THE NEW PUMPMATE ENCLOSURE POWER CONNECTION.
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL POWER/CONTROL $\langle 2 \rangle$ CONDUITS AND WIRE BETWEEN THE NEW CONTROL PANEL AND PUMPS AND CONTROLS IN THE WET WELL
- WIRE PUMP SAFETIES AND LEVEL CONTROLS AS REQUIRED. COORDINATE $\langle 3 \rangle$ WITH CONTRACTOR DURING BIDDING AND CONSTRUCTION. INTEGRATE PUMP SAFETY RELAYS INTO CONTROL PANEL AS REQUIRED BY PUMP MANUFACTURER.
- THE CONTRACTOR SHALL FURNISH AND INSTALL POWER/CONTROL CONDUIT $\langle 4 \rangle$ AND WIRE FROM THE EXISTING TELEMETRY ALARM PANEL TO NEW PUMP MATE CONTROL PANEL. CONNECT ALL PUMP CONTROL PANEL ALARM POINTS, THE CONTRACTOR SHALL ADD ONE (1) ADDITIONAL LOW ENCLOSURE TEMPERATURE ALARM POINT INTO THE TELEMETRY PANEL. BL ANDERSON OF LAFAYETTE, IN. MAINTAINS THE BROWNSBURG IN WWTP TELEMETRY SYSTEM. THE CONTRACTOR SHALL INCLUDE ALL HARDWARE AND PROGRAMMING COSTS AS PART OF THEIR BID PACKAGE.









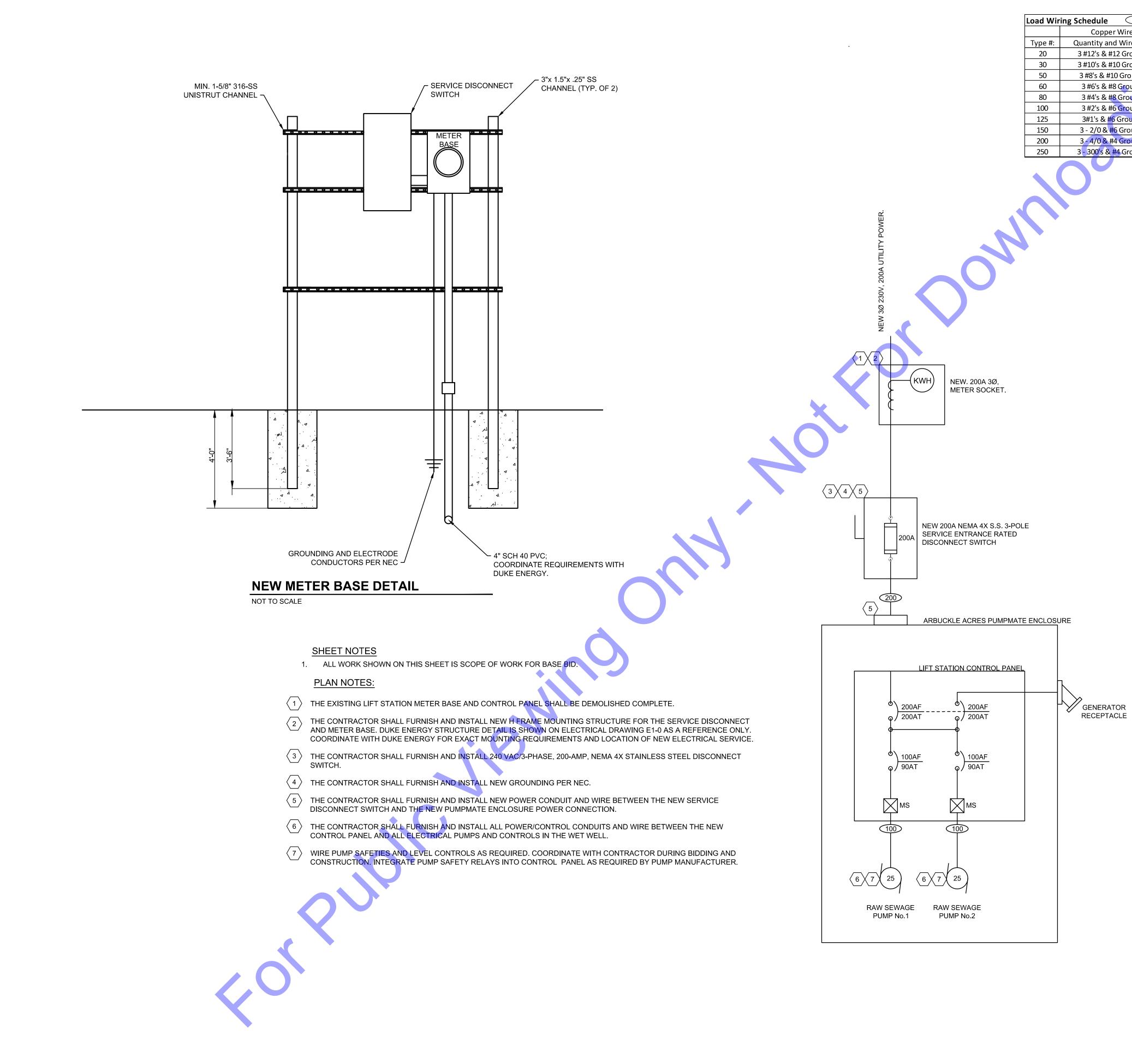




CONTRACTOR SHALL EXAMINE NOT ONLY PLANS AND SPECIFICATIONS FOR ELECTRICAL AND INSTRUMENTATION, BUT ALSO PLANS AND SPECIFICATIONS FOR OTHER RELATED SECTIONS. VISIT THE SITE TO BECOME ACQUAINTED WITH ALL PROJECT CONDITIONS INCLUDING EXISTING CONDITIONS. EXECUTION OF CONTRACT IS EVIDENCE THAT THE CONTRACTOR HAS EXAMINED ALL DRAWINGS AND SPECIFICATIONS AND THAT ALL CONDITIONS OF INSTALLING THE WORK IN THIS SECTION ARE VERIFIED. LATE CLAIMS FOR LABOR AND MATERIALS REQUIRED DUE TO DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN HAD EXAMINATIONS BEEN MADE, WILL NOT BE RECOGNIZED.

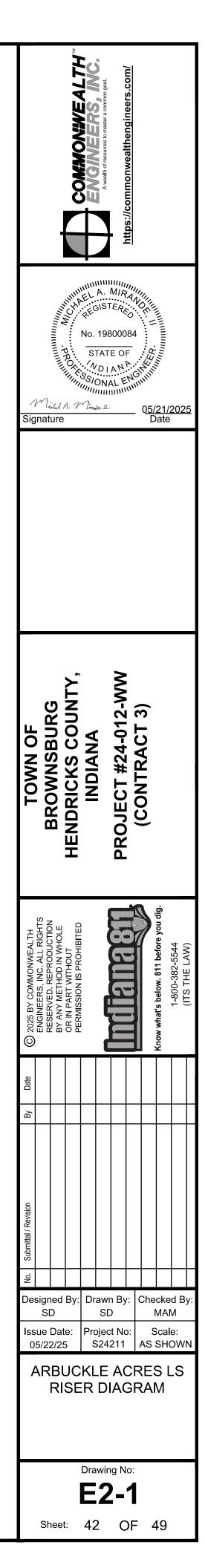
- OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL DEMOLISHED EQUIPMENT BEFORE THE CONTRACTOR DISPOSES
- REMOVE ALL WIRING BACK TO SOURCE. CUT CONDUITS TO 8" BELOW GRADE AND SEAL CONDUITS.
- 5. ALL WIRES SHALL BE TERMINATED ON TERMINAL BLOCKS. UTILIZE JUNCTION BOXES AS NECESSARY. SPLICES ARE NOT ACCEPTABLE. ALL WIRES AND TERMINAL BLOCKS SHALL BE CLEARLY LABELED.
- THE PUMP STATION WET WELL IS CLASSIFIED AS CLASS 1, DIVISION 1, GROUP D PER NPFA 820. THE AREA WHICH EXTENDS TO 18" ABOVE THE PUMP STATION TOP OF SLAB AND EXTENDS 3' BEYOND ALL SIDES OF THE HATCH IS A CLASS 1, DIVISION 1, HAZARDOUS LOCATION. ANY EQUIPMENT LOCATED WITHIN THE CLASSIFIED AREA SHALL BE UL LISTED FOR THAT AREA. ALL WIRING METHODS SHALL CONFORM TO THE REQUIREMENTS OF NEC ARTICLE 500 AND 501.

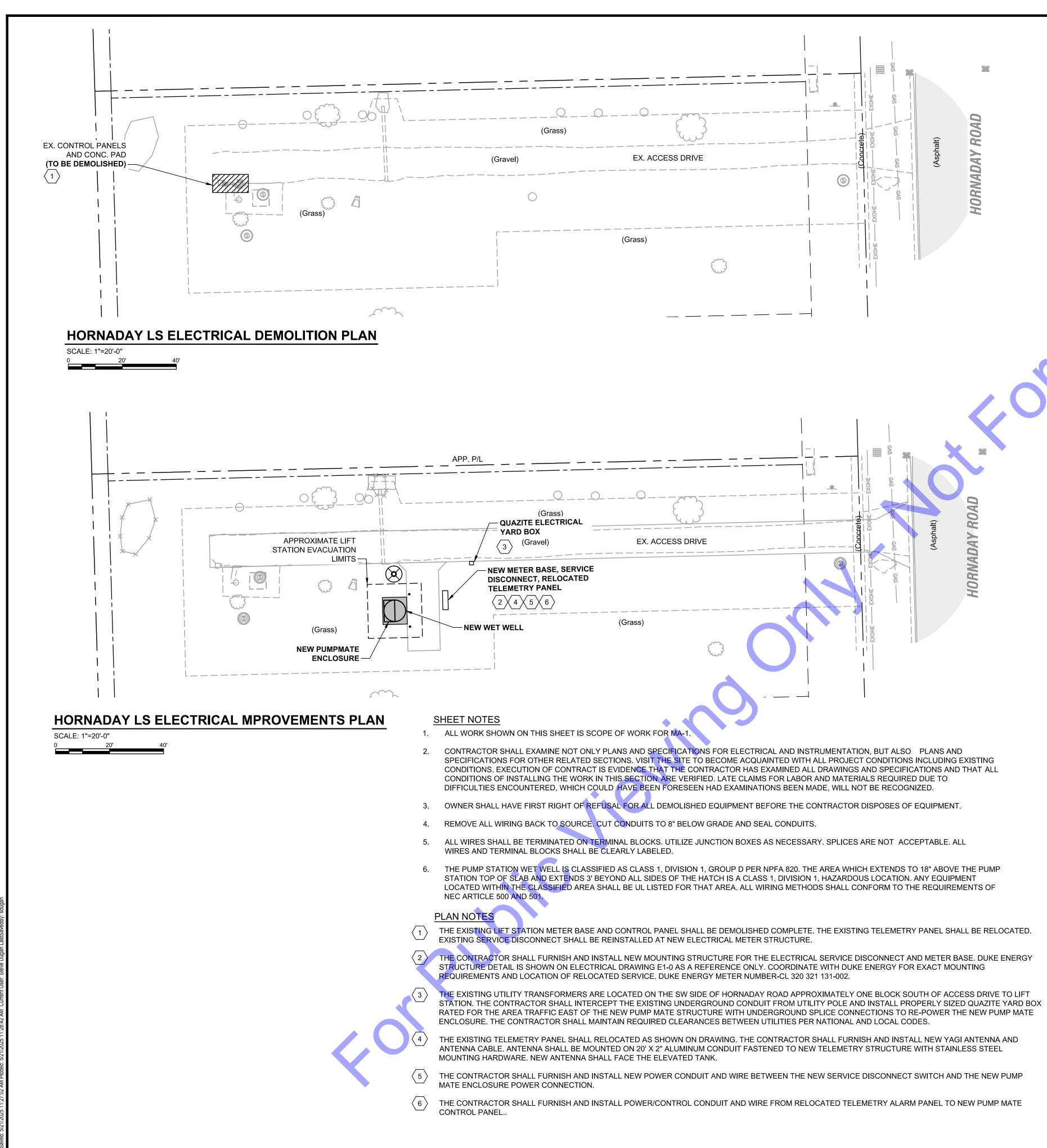
- THE EXISTING LIFT STATION CONTROL PANEL SHALL BE DEMOLISHED COMPLETE. COORDINATE WITH DUKE ENERGY FOR REMOVAL OF SERVICE DROP, METER BASE AND SERVICE DISCONNECT THAT ARE LOCATED AT ARBUCKLE ACRES PARK. POWER CONDUCTORS TO BE REMOVED, CONDUIT CUT 12" BELOW GRADE AND CAPPED.
- THE ARBUCKLE ACRES LIFT STATION IS POWERED FROM THE ELECTRICAL SERVICE AT THE ARBUCKLE ACRES PARK THROUGH A SEPARATE METER. THE PARK SERVICE AND LIFT STATION SERVICES ARE FROM THE SAME TRANSFORMERS LOCATED ON THE POLE AT THE CORNER OF LUCAS AND UPPER DRIVES. THE CONTRACTOR SHALL COORDINATE WITH DUKE ENERGY FOR A NEW 230 VAC/3-PHASE, 200-AMP SERVICE DROP FROM THIS LOCATION TO THE RENOVATED ARBUCKLE
- THE CONTRACTOR SHALL FURNISH AND INSTALL NEW MOUNTING STRUCTURE FOR THE ELECTRICAL SERVICE DISCONNECT AND METER BASE. DUKE ENERGY STRUCTURE DETAIL IS SHOWN ON ELECTRICAL DRAWING E1-0 AS A REFERENCE ONLY. COORDINATE WITH DUKE ENERGY FOR EXACT MOUNTING REQUIREMENTS AND LOCATION OF RELOCATED SERVICE. THE CONTRACTOR SHALL FURNISH AND INSTALL POWER CONDUIT AND WIRE FROM SERVICE DISCONNECT TO NEW PUMP MATE
- THE CONTRACTOR SHALL FURNISH AND INSTALL (2) SPARE 1" CONDUITS FROM LIFT STATION CONTROL PANEL TURNED OUT BELOW GRADE TOWARD WATER TREATMENT PLANT AND CAPPED FOR FUTURE CONNECTION TO SCADA SYSTEM. THE



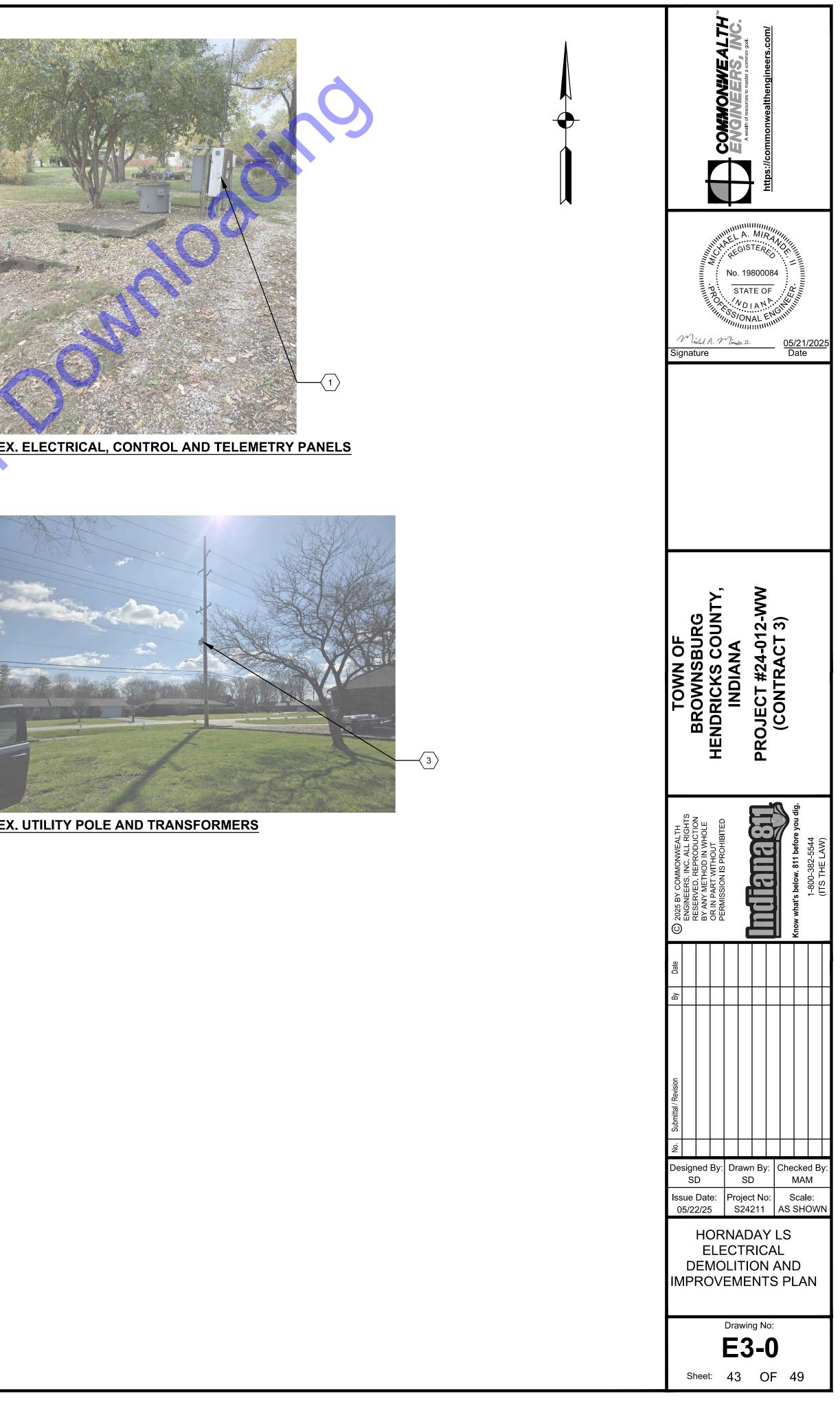
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re Size	Conduit	
ound	3/4"	
ound	3/4"	
ound	3/4"	
und	3/4"	
und	1"	
und	1.5"	
und	1.5"	
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und	2.5"	
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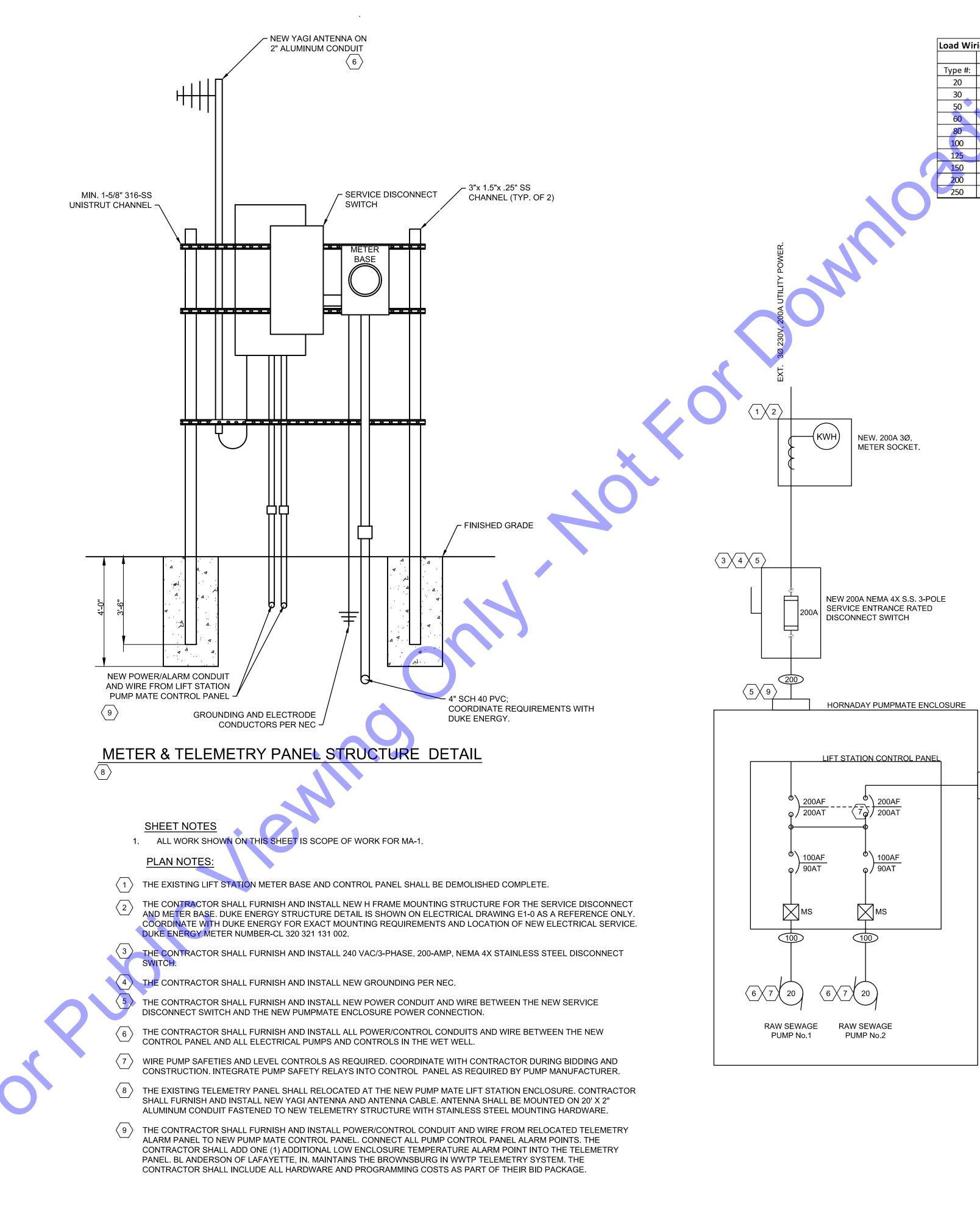




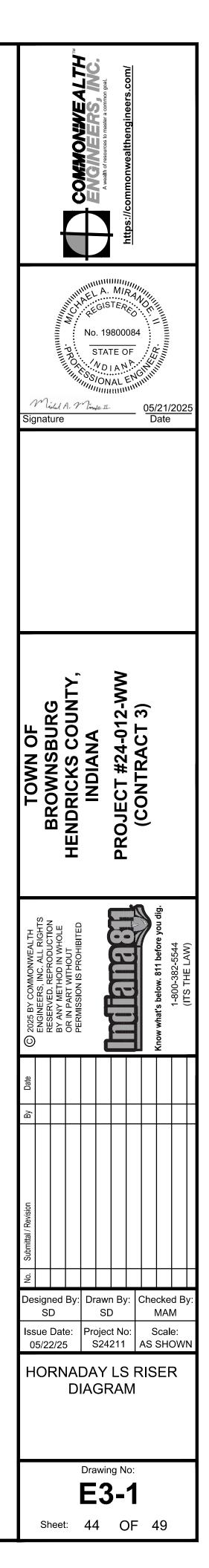




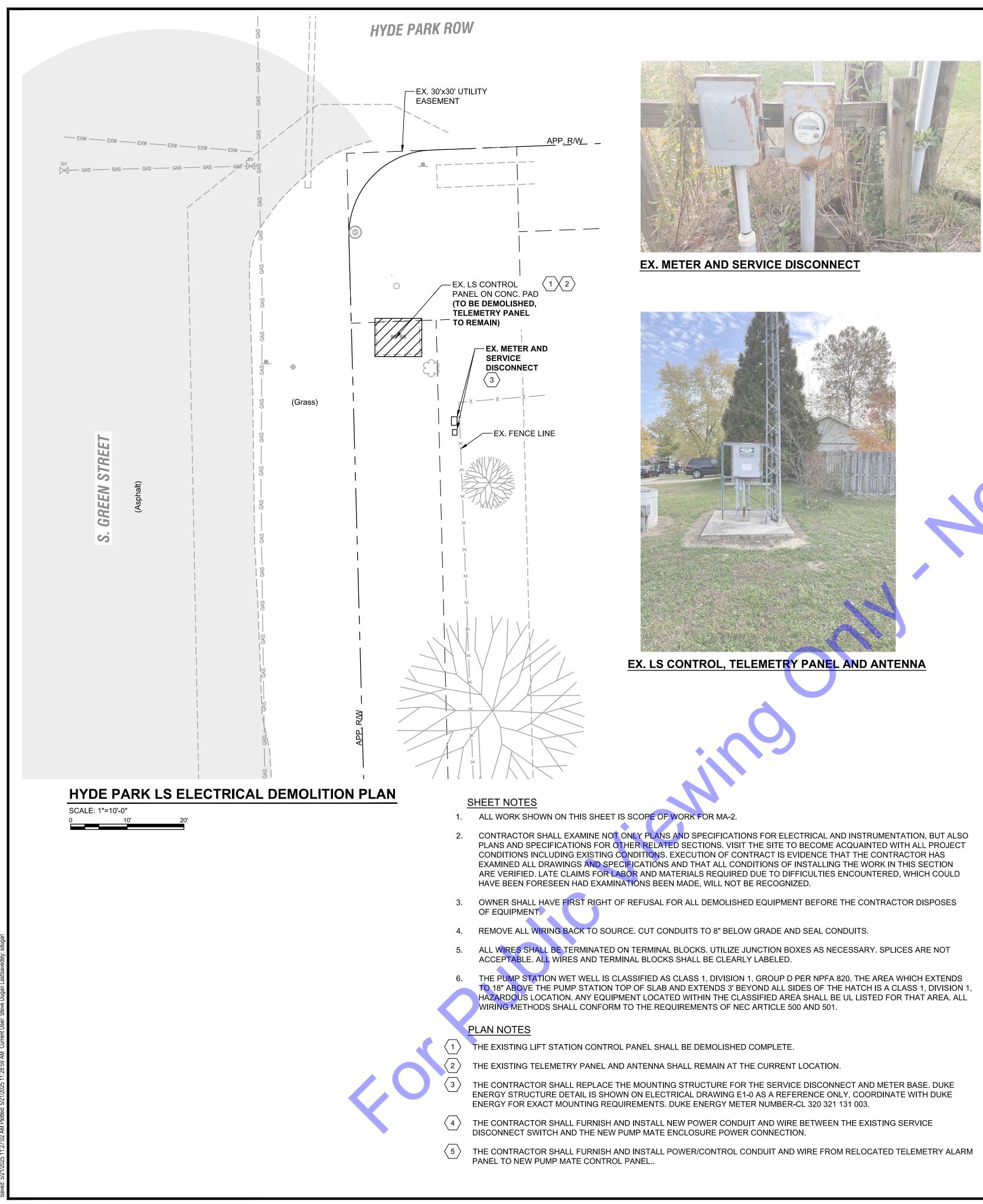
3: ZiSHAREDIN CLIENTS A-LIBROWNSBURGID S24211 WASTEWATER PROJECTS 2024-25/06 CADIX MECH-ELECT/S24211 CONTRACT 3-ELECTRICAL.DW eed: 5/21/2025 11:27:02 AM Plotted: 5/21/2025 11:28:48 AM Current User: Sieve Dugan LastSavedBv: sdugan

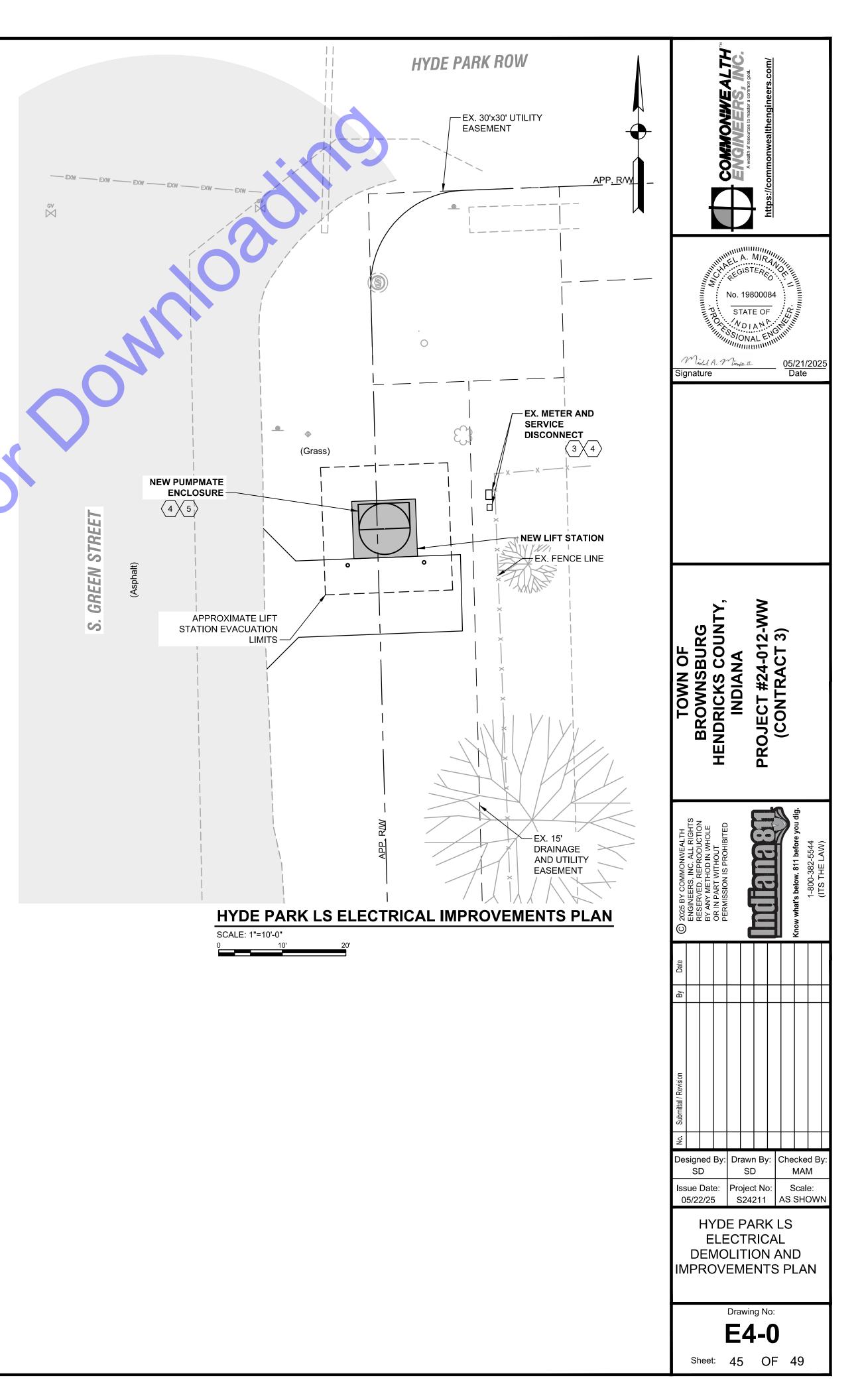


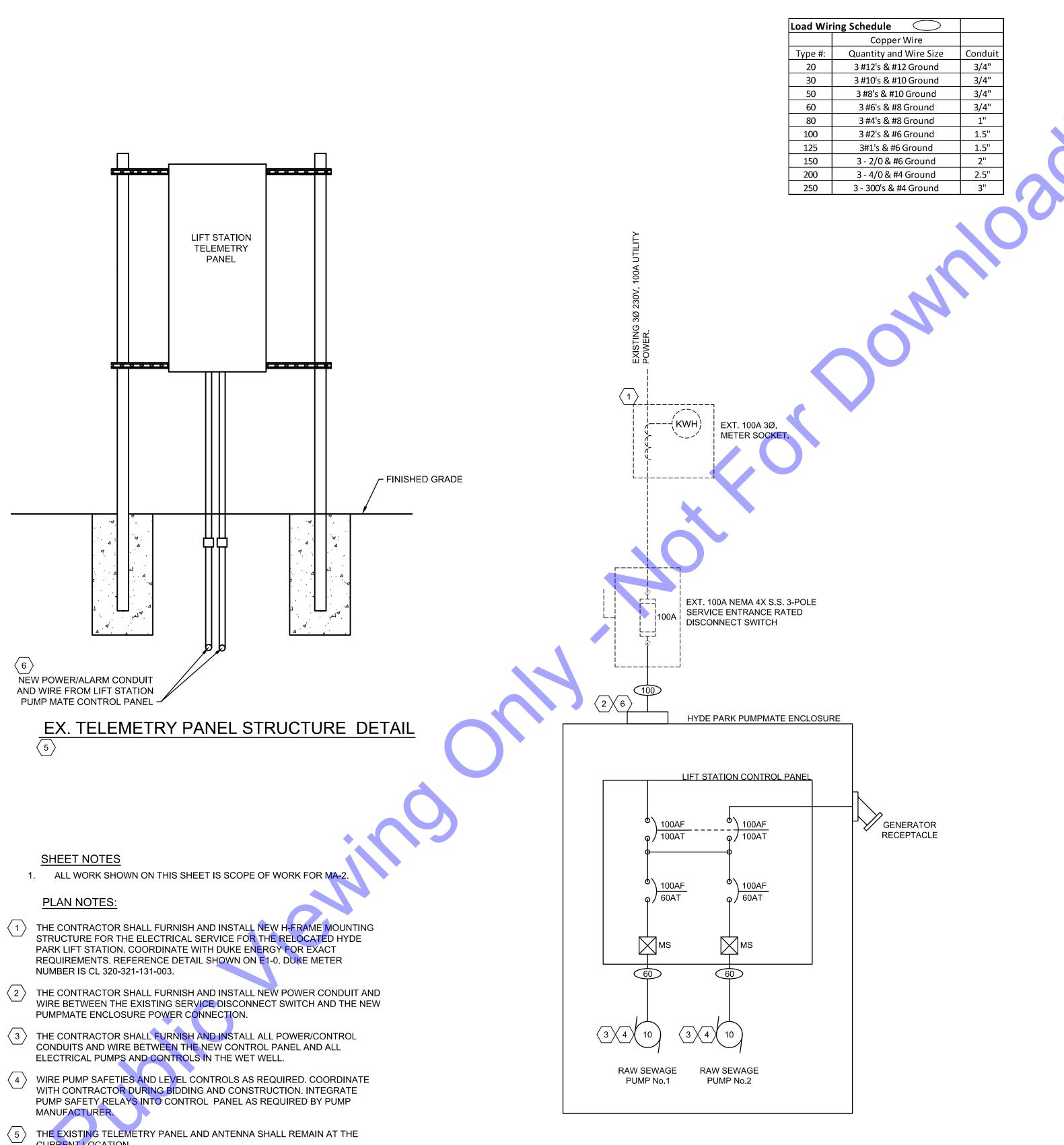
r	ing Schedule	
	Copper Wire	
	Quantity and Wire Size	Conduit
	3 #12's & #12 Ground	3/4"
	3 #10's & #10 Ground	3/4"
	3 #8's & #10 Ground	3/4"
	3 #6 's & #8 Ground	3/4"
	3 #4's & #8 Ground	1"
	3 #2's & #6 Ground	1.5"
	3#1's & #6 Ground	1.5"
	3 - 2/0 & #6 Ground	2"
	3 - 4/0 & #4 Ground	2.5"
	3 - 300's & #4 Ground	3"



GENERATOR



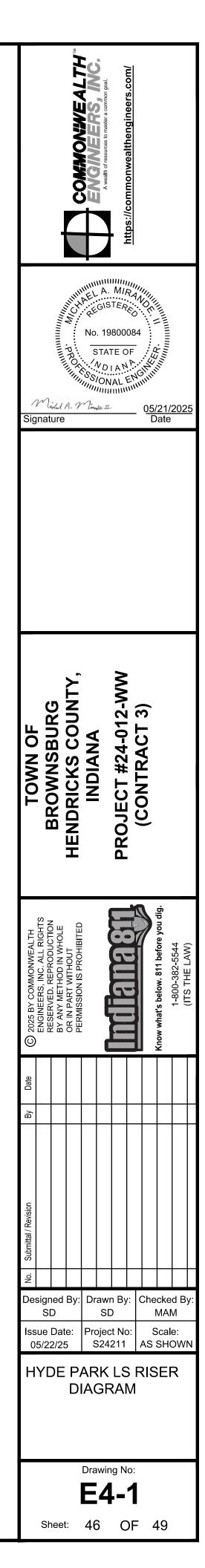


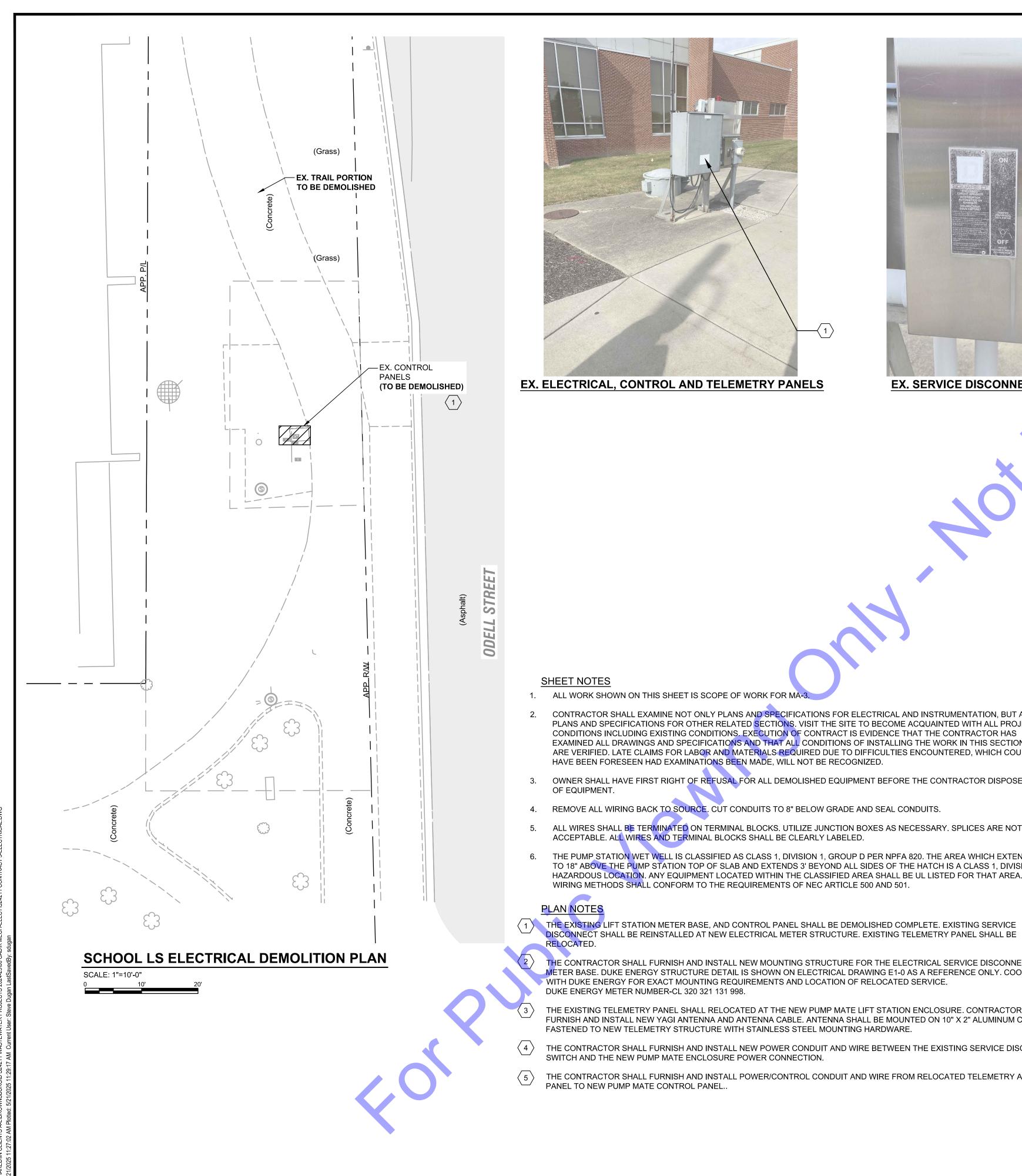


- $\langle 1 \rangle$
- $\langle 2 \rangle$

- $\left< 5 \right>$ CURRENT LOCATION.
- 6 THE CONTRACTOR SHALL FURNISH AND INSTALL POWER/CONTROL CONDUIT AND WIRE FROM RELOCATED TELEMETRY ALARM PANEL TO NEW PUMP MATE CONTROL PANEL. CONNECT ALL PUMP CONTROL PANEL ALARM POINTS. THE CONTRACTOR SHALL ADD ONE (1) ADDITIONAL LOW ENCLOSURE TEMPERATURE ALARM POINT INTO THE TELEMETRY PANEL. BL ANDERSON OF LAFAYETTE, IN. MAINTAINS THE BROWNSBURG IN WWTP TELEMETRY SYSTEM. THE CONTRACTOR SHALL INCLUDE ALL HARDWARE AND PROGRAMMING COSTS AS PART OF THEIR BID PACKAGE.









EX. SERVICE DISCONNECT TO BE REUSED

2. CONTRACTOR SHALL EXAMINE NOT ONLY PLANS AND SPECIFICATIONS FOR ELECTRICAL AND INSTRUMENTATION, BUT ALSO PLANS AND SPECIFICATIONS FOR OTHER RELATED SECTIONS. VISIT THE SITE TO BECOME ACQUAINTED WITH ALL PROJECT CONDITIONS INCLUDING EXISTING CONDITIONS, EXECUTION OF CONTRACT IS EVIDENCE THAT THE CONTRACTOR HAS EXAMINED ALL DRAWINGS AND SPECIFICATIONS AND THAT ALL CONDITIONS OF INSTALLING THE WORK IN THIS SECTION ARE VERIFIED. LATE CLAIMS FOR LABOR AND MATERIALS REQUIRED DUE TO DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN HAD EXAMINATIONS BEEN MADE, WILL NOT BE RECOGNIZED.

3. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL DEMOLISHED EQUIPMENT BEFORE THE CONTRACTOR DISPOSES

4. REMOVE ALL WIRING BACK TO SOURCE. CUT CONDUITS TO 8" BELOW GRADE AND SEAL CONDUITS.

5. ALL WIRES SHALL BE TERMINATED ON TERMINAL BLOCKS. UTILIZE JUNCTION BOXES AS NECESSARY. SPLICES ARE NOT

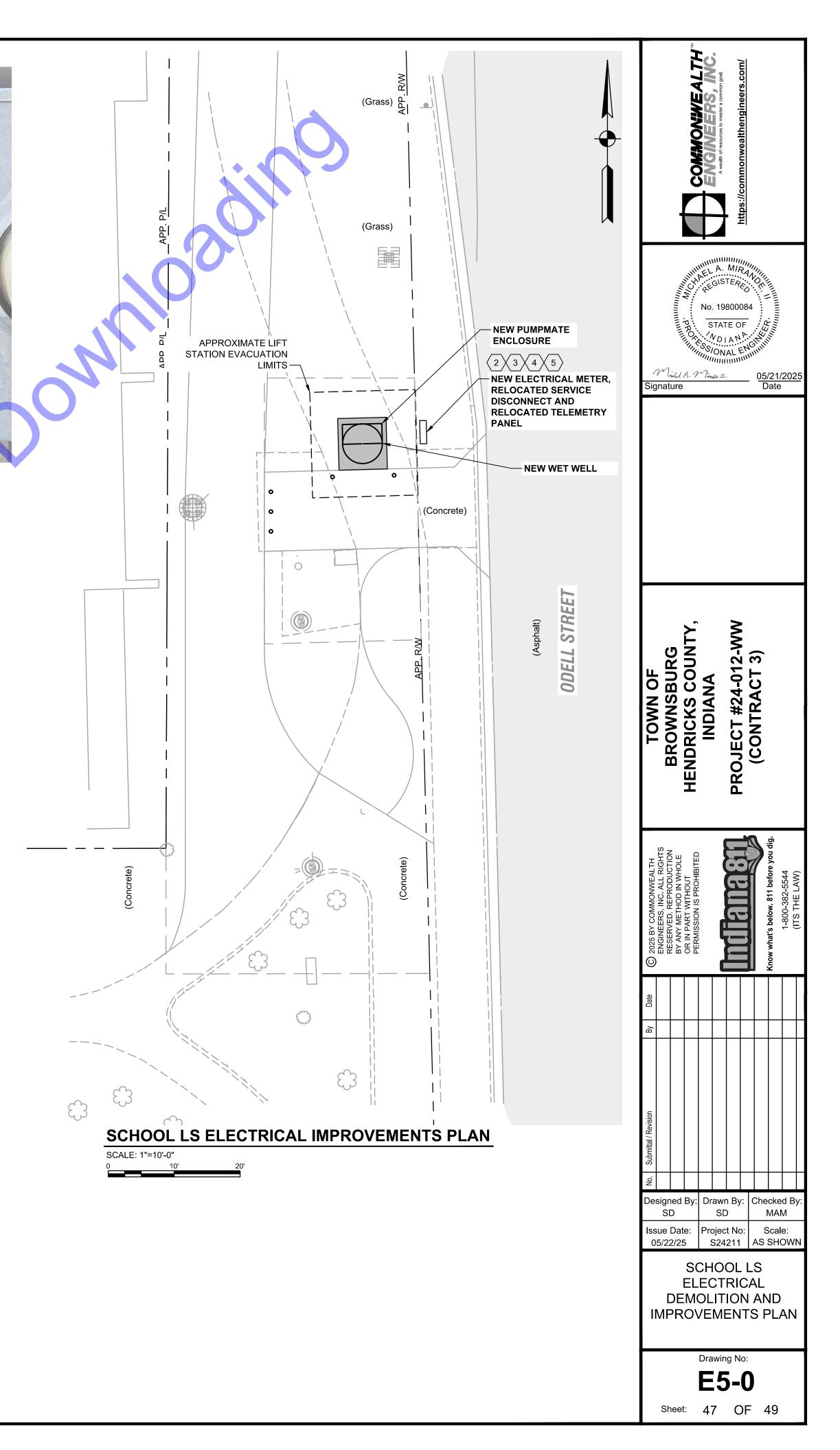
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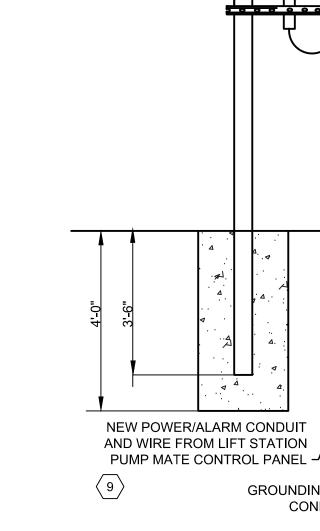
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THE EXISTING TELEMETRY PANEL SHALL RELOCATED AT THE NEW PUMP MATE LIFT STATION ENCLOSURE. CONTRACTOR SHALL FURNISH AND INSTALL NEW YAGI ANTENNA AND ANTENNA CABLE. ANTENNA SHALL BE MOUNTED ON 10" X 2" ALUMINUM CONDUIT

THE CONTRACTOR SHALL FURNISH AND INSTALL NEW POWER CONDUIT AND WIRE BETWEEN THE EXISTING SERVICE DISCONNECT

THE CONTRACTOR SHALL FURNISH AND INSTALL POWER/CONTROL CONDUIT AND WIRE FROM RELOCATED TELEMETRY ALARM





 $\langle 8 \rangle$

 $\langle 1 \rangle$

 $\langle 2 \rangle$

 $\langle 4 \rangle$

 $\langle 5 \rangle$

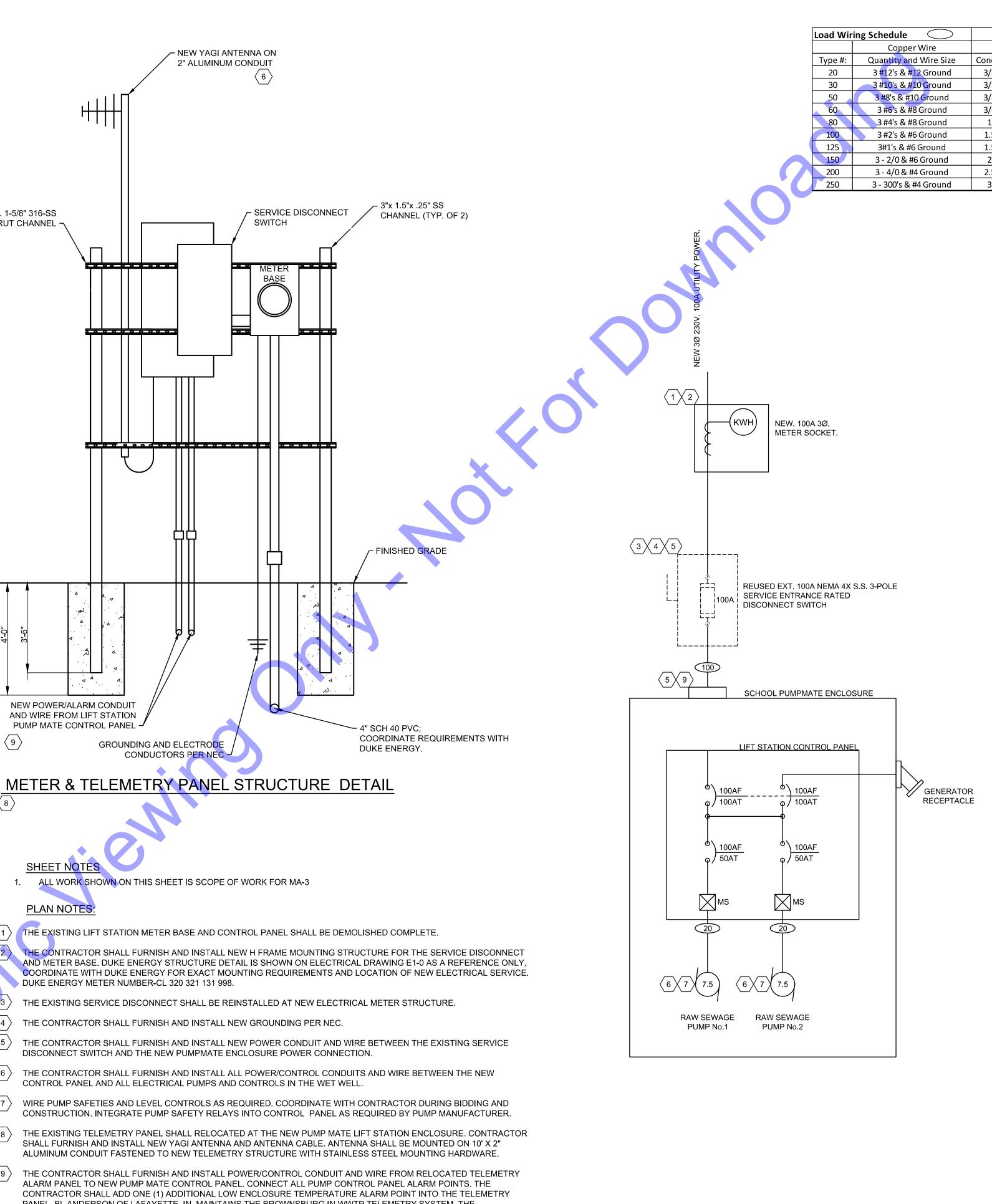
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 $\langle 7 \rangle$

 $\langle 8 \rangle$

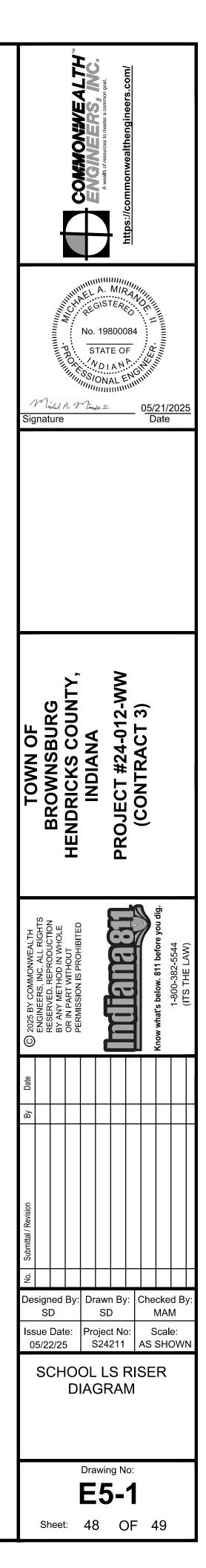
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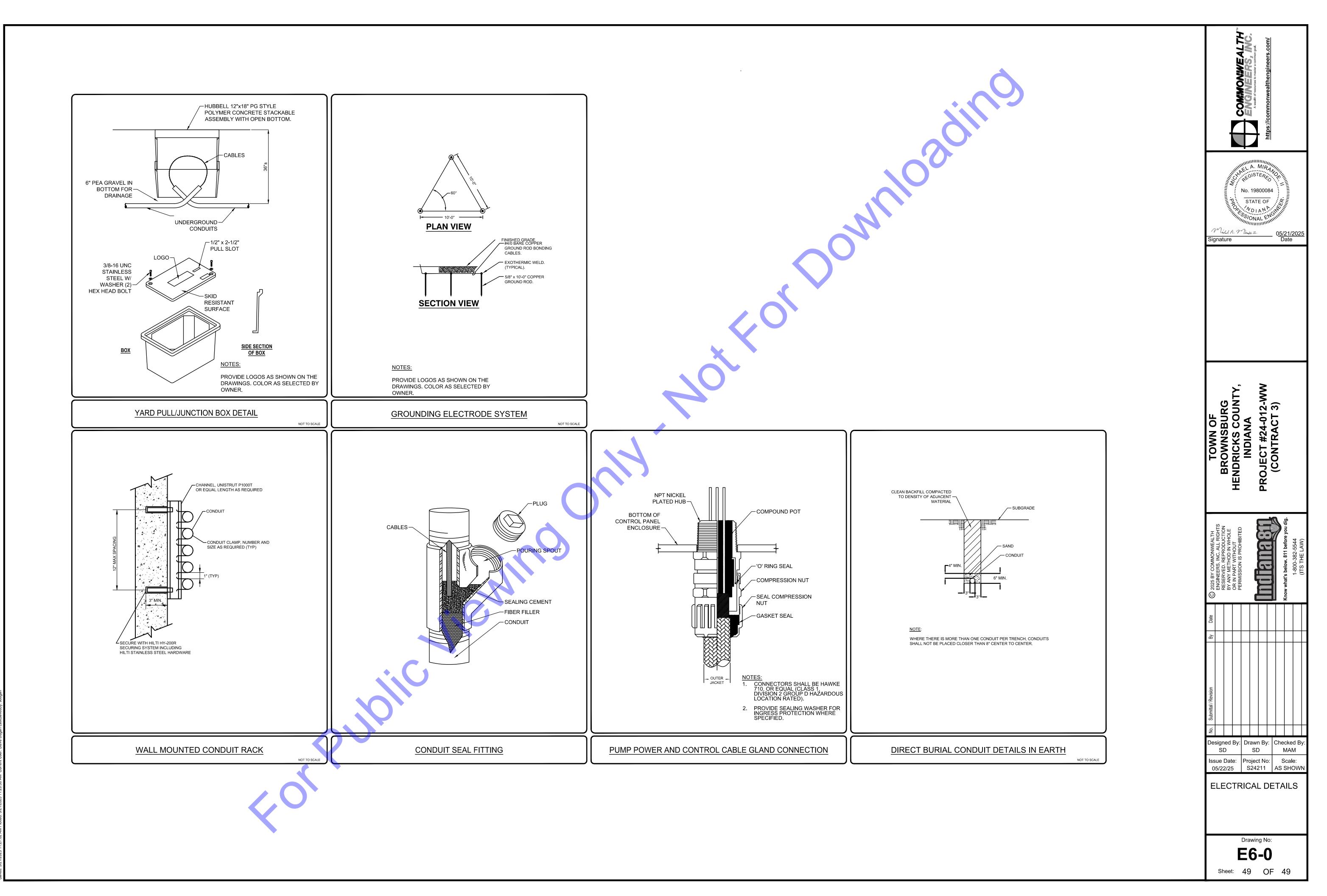
MIN. 1-5/8" 316-SS UNISTRUT CHANNEL ¬



PANEL. BL ANDERSON OF LAFAYETTE, IN. MAINTAINS THE BROWNSBURG IN WWTP TELEMETRY SYSTEM. THE CONTRACTOR SHALL INCLUDE ALL HARDWARE AND PROGRAMMING COSTS AS PART OF THEIR BID PACKAGE.

Wir	ing Schedule	
	Copper Wire	
e #:	Quantity and Wire Size	Conduit
0	3 #1 2's & #12 Ground	3/4"
0	3 #10's & #10 Ground	3/4"
0	3 #8's & #10 Ground	3/4"
0	3 #6's & #8 Ground	3/4"
0	3 #4's & #8 Ground	1"
00	3 #2's & #6 Ground	1.5"
25	3#1's & #6 Ground	1.5"
50	3 - 2/0 & #6 Ground	2"
)0	3 - 4/0 & #4 Ground	2.5"
50	3 - 300's & #4 Ground	3"





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