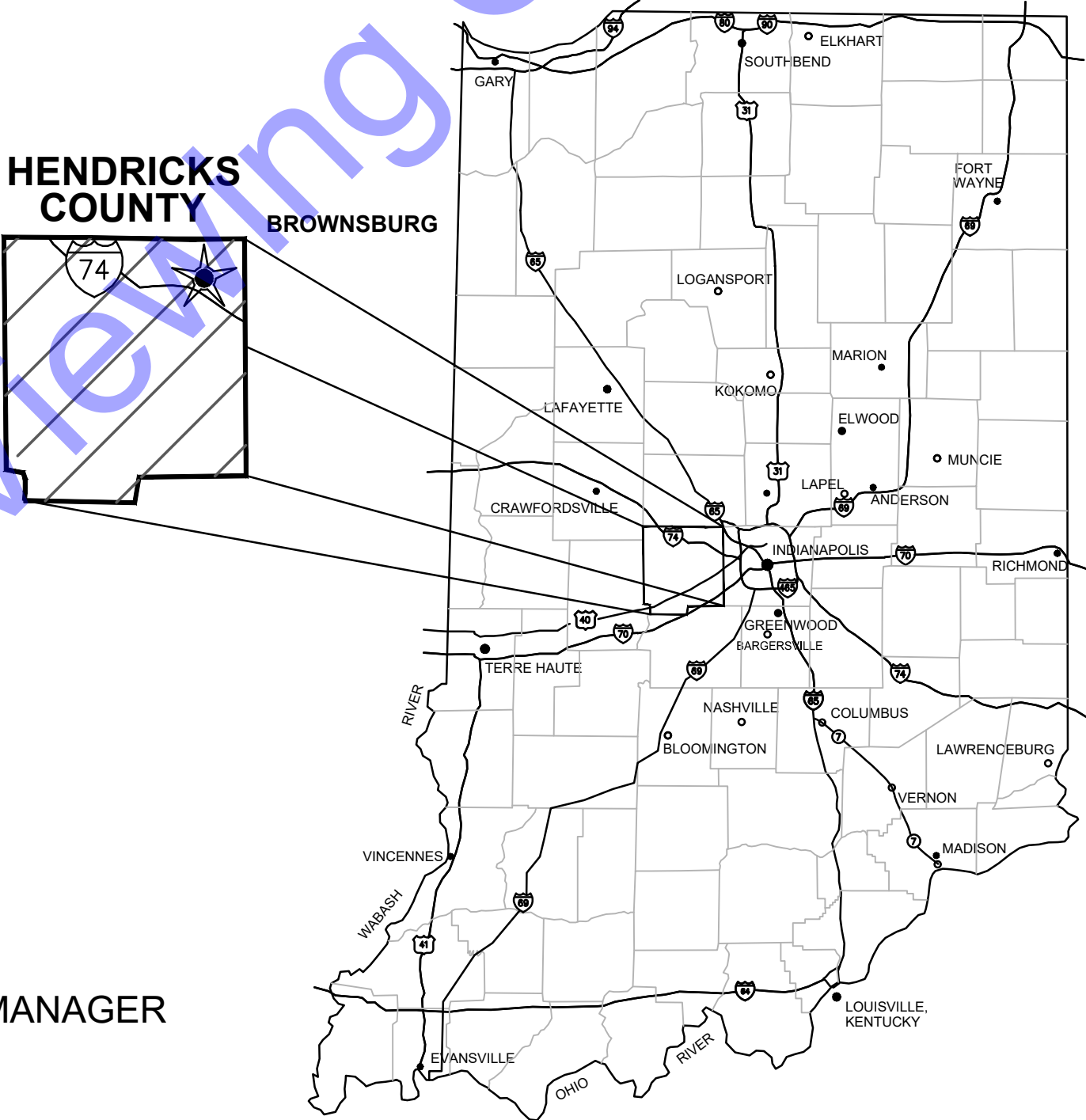


# TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA

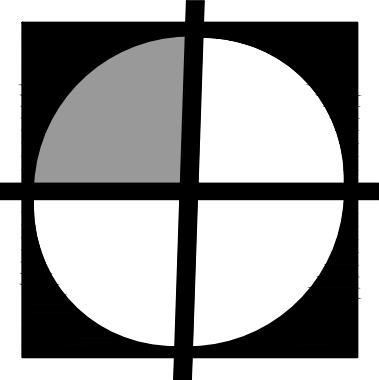
## PROJECT #24-012-WW: LIFT STATION DRY PIT CONVERSIONS (CONTRACT 3) MAY 2025

### TOWN COUNCIL

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




GENERAL LOCATION MAP



**COMMONWEALTH<sup>™</sup>**  
**ENGINEERS, INC.**  
A wealth of resources to master a common goal.

QA/QC BY : ANDREW C. COCHRANE, P.E.      05-22-2025  
DATE :

CERTIFIED BY :       05-22-2025  
DATE :  
DARREN S. WELLS, P.E., BCEE, ENV SP  
INDIANA P.E. No. 10100200



CONTRACT NO. : S24211





SCALE: 1"=600'-0"

Age Group	Number of people
13-17	~400
18-24	~1100
25-34	~900
35-44	~700
45-54	~500
55-64	~400
65-74	~300
75-84	~200
85+	~100

UTILITY	SITE
<u>COMCAST (INDIANAPOLIS)</u> SCOTT EVANS (317) 752-6569 SEVANS@TELECOMPLACEMENT.COM 5330 EAST 65TH ST INDIANAPOLIS, IN 46220 <b>CABLE TV</b>	SCHOOL LS HYDE PARK LS HORNADAY LS LOCUST LN LS ARBUCKLE ACRES LS
<b>DUKE ENERGY</b> DON MCDUFFY (317) 776-5320 DEI-DLINE-COORD@DUKE-ENERGY.COM 100 S MILL CREEK RD NOBLESVILLE, IN 46062 <b>ELECTRIC</b>	SCHOOL LS HYDE PARK LS HORNADAY LS LOCUST LN LS ARBUCKLE ACRES LS
<u>CENTERPOINT ENERGY (SOUTH)</u> JON EASTHAM (765) 287-2119 PUBLICPROJECT@CENTERPOINTENERGY.COM 1800 W 26TH ST MUNCIE, IN 47302 <b>GAS</b>	SCHOOL LS HYDE PARK LS HORNADAY LS LOCUST LN LS ARBUCKLE ACRES LS
<b>MCJ</b> NO CONTACT INFO AVAILABLE <b>FIBER OPTIC</b>  <b>ZAYO BANDWIDTH</b> WAYLON HIGGINS (765) 341-1199 ZAYO.RELO.INDIANA@ZAYO.COM 722 N. HIGH SCHOOL RD INDIANAPOLIS, IN 46124 <b>FIBER OPTIC</b>	SCHOOL LS SCHOOL LS HYDE PARK LS
<u>BROWNSBURG COMMUNITY SCHOOL CORP</u> (317) 340-5456 JSTARKWEATHER@BROWNSBURG.K12.IN.US 310 STADIUM DR, BROWNSBURG, IN 46112 <b>FIBER OPTIC</b>	SCHOOL LS HORNADAY LS
<b>EVERSTREAM, LLC (SOUTH)</b> EVERSTREAM LLC.UTILITY REVIEW UTILITYREVIEW@EVERSTREAM.NET 342 MASSACHUSETTS AVE STE 203, INDIANAPOLIS, IN 46237 <b>COMMUNICATIONS, FIBER OPTIC</b>	SCHOOL LS ARBUCKLE ACRES LS
<b>AT&amp;T- DISTRIBUTION</b> ATT INDIANA UTILITY COORDINATION G09871@ATT.COM <b>COMMUNICATIONS</b>  <b>TOWN OF BROWNSBURG</b> KATHY DILLON (317) 852-1114 KDILLON@BROWNSBURG.ORG 61 N. GREEN ST BROWNSBURG, IN 46112	SCHOOL LS HYDE PARK LS HORNADAY LS LOCUST LN LS  SCHOOL LS HYDE PARK LS HORNADAY LS LOCUST LN LS
<b>WATER, SEWER, STORM, STREET LIGHTS</b>  <b>LEVEL 3 (LUMEN)</b> LEVEL 3 COMMUNICATION NETWORK RELOCATION (877) 366-8344 X2 <b>FIBER OPTIC</b>	ARBUCKLE ACRES LS

LOCUST LN. L.S.




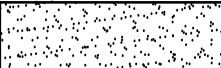
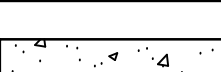
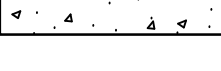


DRAWING SET INDEX		
SHEET NO.	DRAWING NO.	SHEET TITLE
GENERAL		
1	G1	TITLE SHEET
2	G2	PROJECT LOCATION MAP AND DRAWING SET INDEX
3	G3	SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
4	G4	SURVEY CONTROL PLAN
5	G5	NEW EASEMENT LEGAL DESCRIPTIONS AND EXHIBITS
6	G6	PROJECT PHOTO LOG I
7	G7	PROJECT PHOTO LOG II
CIVIL		
8	C1-1	LOCUST LN. LIFT STATION SITE DEMOLITION PLAN
9	C1-2	LOCUST LN. LIFT STATION SITE IMPROVEMENTS PLANS
10	C2-1	ARBUCKLE ACRES LIFT STATION SITE DEMOLITION PLAN
11	C2-2	ARBUCKLE ACRES LIFT STATION SITE IMPROVEMENTS PLANS
12	C3-1	HORNADAY LIFT STATION SITE DEMOLITION PLAN
13	C3-2	HORNADAY LIFT STATION SITE IMPROVEMENTS PLANS
14	C4-1	HYDE PARK LIFT STATION DEMOLITION PLAN
15	C4-2	HYDE PARK LIFT STATION SITE IMPROVEMENTS PLANS
16	C5-1	SCHOOL LIFT STATION SITE DEMOLITION PLAN
17	C5-2	SCHOOL LIFT STATION SITE IMPROVEMENTS PLANS
18	C5-3	SCHOOL LIFT STATION SIDEWALK IMPROVEMENTS PLANS
19	C6-1	NEW SEWER PLAN AND PROFILE - LINES "A" AND "B"
20	C6-2	NEW SEWER PLAN AND PROFILE - LINES "C" AND "D"
PROCESS		
21	D1-1	LOCUST LN. LIFT STATION IMPROVEMENTS DETAILS
22	D1-2	ARBUCKLE ACRES LIFT STATION IMPROVEMENTS DETAILS
23	D1-3	HORNADAY LIFT STATION IMPROVEMENTS DETAILS
24	D1-4	HYDE PARK LIFT STATION IMPROVEMENTS DETAILS
25	D1-5	SCHOOL LIFT STATION IMPROVEMENTS DETAILS
26	EC1	SWPPP NOTES
27	EC2	SWPPP NOTES & FIGURES
28	EC3	SWPPP FIGURES
29	EC4	EROSION CONTROL PLANS I
30	EC5	EROSION CONTROL PLANS II
31	EC6	EROSION CONTROL DETAILS I
32	EC7	EROSION CONTROL DETAILS II
33	MD1	MISCELLANEOUS DETAILS I
34	MD2	MISCELLANEOUS DETAILS II
35	MD3	MISCELLANEOUS DETAILS III
36	MD4	MISCELLANEOUS DETAILS IV
ELECTRICAL		
37	E0-0	LEGENDS AND SCHEDULES
38	E1-0	DUKE METER FRAME DETAILS
39	E1-1	LOCUST LANE LS ELECTRICAL DEMOLITION AND IMPROVEMENTS PLAN
40	E1-2	LOCUST LANE LS RISER DIAGRAM
41	E2-0	ARBUCKLE ACRES LS ELECTRICAL DEMOLITION AND IMPROVEMENTS PLAN
42	E2-1	ARBUCKLE ACRES LS RISER DIAGRAM
43	E3-0	HORNADAY LS ELECTRICAL DEMOLITION AND IMPROVEMENTS PLAN
44	E3-1	HORNADAY LS RISER DIAGRAM
45	E4-0	HYDE PARK LS ELECTRICAL DEMOLITION AND IMPROVEMENTS PLAN
46	E4-1	HYDE PARK LS RISER DIAGRAM
47	E5-0	SCHOOL LS ELECTRICAL DEMOLITION AND IMPROVEMENTS PLAN
48	E5-1	SCHOOL LS RISER DIAGRAM
49	E6-0	ELECTRICAL DETAILS

[illegible]



## HATCHING SYMBOLS

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

	-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

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.
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.
5. 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.
10. 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 NEAT 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 CONTRACTOR'S 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

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

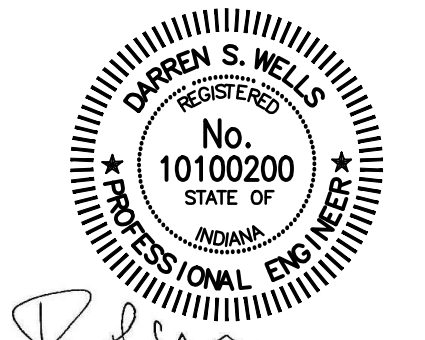
	EXOHT		AC UNIT		TELEPHONE MANHOLE
	EXG		BOLLARD		TELEPHONE LINE MARKER
	EXW		BOULDER / LARGE ROCK		TRAFFIC MANHOLE
	EXF/O		CL CENTER LINE MONUMENT		WATER LINE MARKER
	EXOHE		CL ROW MONUMENT		WATER METER
	EXBE		CONTROL POINT / BENCH MARK		VALVE
	NPW		DRILL HOLE		IRRIGATION CONTROL VALVE
	POT		MAIL BOX		FIRE HYDRANT
	EXBT		FLAG POLE		FLUSH HYDRANT
	X		POST		YARD HYDRANT
	APP. R/W		STUMP		WALL SPIGOT
	APP. PL		BUSH / HEDGE		EXISTING PIPE PLUG
			DECIDUOUS TREE		STORM CATCH BASIN (SQUARE)
			CONIFEROUS TREE		STORM CATCH BASIN (ROUND)
	785		SIGN		STORM CURB INLET
	784		UTILITY LOCATE FLAG		STORM MANHOLE
	W		GAS LINE MARKER		SANITARY MANHOLE
	FM		GAS VALVE		SANITARY VALVE
	785		GAS METER		CLEANOUT
	784		GUY POLE		VENT
			POWER POLE		NEW VALVE
			LIGHT POLE		NEW FIRE HYDRANT
			GUY WIRE		NEW FLUSH HYDRANT
			ELECTRIC METER		

**DISCLAIMER NOTE:**  
THIS DRAWING REFLECTS TYPICAL INFORMATION,  
SOME MAY NOT BE APPLICABLE TO THIS PROJECT.



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Signature	Date
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**TOWN OF BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA**

**PROJECT #24-012-WW  
(CONTRACT 3)**

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[illegible]

Designed By:	Drawn By:	Checked By:
--------------	-----------	-------------

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

## SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

Drawing No:

## G3

Sheet: 3 OF 49







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:

Commencing from the southeastern corner of said Lot #1; then 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**; then continuing North 00 degrees 00 minutes 00 seconds West along said east line a distance of 8.02 feet; then South 41 degrees 47 minutes 29 seconds West a distance of 10.77 feet to an existing utility easement (per plat); then 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.

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:

Commencing from the southeastermost corner said Lot #1; hence 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**; hence continuing North 00 degrees 00 minutes 00 seconds West along said east line a distance of 11.98 feet; hence South 89 degrees 57 minutes 00 seconds East a distance of 20.00 feet; hence South 00 degrees 00 minutes 00 seconds East 19.98 feet to an existing utility easement (per plat); hence South 89 degrees 57 minutes 00 seconds East along the north line of said utility easement 12.82 feet; hence 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.

*-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"*

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:

Commencing from the southwest corner of 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 line 15.00 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.

*-The parcel line locations shown on Exhibit "B" are for reference only. Parcel lines were derived directly from published data resource files obtained from [Indianapolis.org](http://Indianapolis.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"*

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:

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 28 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.

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:

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.

*-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"*

DOVER ROAD

APP. RW

APP. PL

LOCUST LANE

DAVID A & KATHRYN M CICOTTE  
PARCEL ID#  
32-07-15-262-003.000-016  
810 LOCUST AVE  
BROWNSBURG, IN 46112

NEW TEMPORARY EASEMENT  
371.81 SQ. FT. (0.009 ACRES)

APP. PL

EXISTING 10' UTILITY EASEMENT

NEW PERMANENT EASEMENT  
29 SQ. FT. (0.001 ACRES)

APP. RW

1"=30'

LEGEND:

- PERMANENT EASEMENT
- TEMPORARY EASEMENT

CITY OF BROWNSBURG,  
HENDRICKS COUNTY, INDIANA

EASEMENT EXHIBIT "B"

DAVID A & KATHRYN M CICOTTE  
PARCEL ID# 32-07-15-262-003.000-016

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A handful of resources to transfer is sufficient gain

EXISTING 30' X 30' UTILITY EASEMENT

HYDE PARK ROW

APP. RW

EXISTING 15' DRAINAGE AND UTILITY EASEMENT

TEMPORARY CONSTRUCTION EASEMENT  
1,275 SQ. FT. (0.029 ACRES)

RICHARD P. THOMSEN  
PARCEL ID#  
32-07-14-172-001-000-016  
3 HYDE PARK ROW  
BROWNSBURG, IN

EXISTING 15' DRAINAGE AND UTILITY EASEMENT

APP. PL

EXISTING 10' DRAINAGE AND UTILITY EASEMENT

APP. RW

S. GREEN STREET

APP. PL

LEGEND:

- PERMANENT EASEMENT (diagonal hatching)
- TEMPORARY EASEMENT (cross-hatching)

SCALE: 1"=30'

CITY OF BROWNSBURG  
HENDRICKS COUNTY, INDIANA  
**EASEMENT EXHIBIT "B"**  
RICHARD P. THOMSEN  
PARCEL ID # 32-07-14-172-001-000-016

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**BROWNSBURG COMMUNITY SCHOOL CORPORATION  
PARCEL ID#  
32-07-14-400-001-000-016  
1016 S ODELL ST. LIFT STATION  
BROWNSBURG, IN 46112**

**TEMPORARY CONSTRUCTION  
EASEMENT 4,887 SQ. FT. (0.105 ACRES)**

**NEW PERMANENT EASEMENT  
932 SQ. FT. (0.021 ACRES)**

**SYCAMORE STREET**

**ODELL STREET**

**APP. PL.**

**APP. RW.**

**LEGEND:**

- PERMANENT EASEMENT
- TEMPORARY EASEMENT

**CITY OF BROWNSBURG  
HENRICKS COUNTY, INDIANA**

**EASEMENT EXHIBIT "B"**

**BROWNSBURG COMMUNITY SCHOOL CORPORATION**

**PARCEL ID # 32-07-14-400-001-000-016**

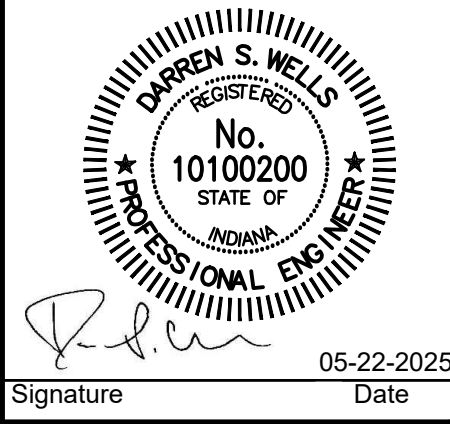
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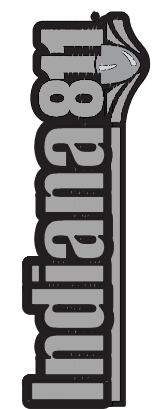
**COMMONWEALTH ENGINEERS, INC.**

A record of this case is maintained at the office of the County Recorder, Hendricks County, Indiana.

**SCHOOL L.S. NEW EASEMENTS  
EXHIBIT "B"**



**TOWN OF BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA  
PROJECT #24-012-WW  
(CONTRACT 3)**



No.									
Serial / Revision									
By									
Date									
<b>Designed By:</b> DSW			<b>Drawn By:</b> JAJ			<b>Checked B</b> ACC			
<b>Issue Date:</b> 05-22-25			<b>Project No:</b> S24211			<b>Scale:</b> AS SHOW			

## NEW EASEMENT LEGAL DESCRIPTIONS AND EXHIBITS

Drawing No:

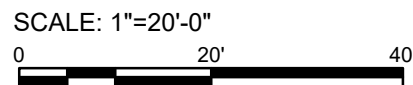
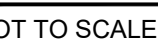
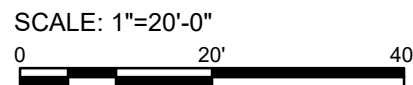
## G5

Sheet: 5 OF 49









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



05-22-2025

**PROJECT #24-012-WW  
(CONTRACT 3)**

# Indiana81

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Designed By: DSW	Drawn By: JAJ	Checked By: ACC
Issue Date: 05-22-25	Project No: S24211	Scale: AS SHOWN

PROJECT PHOTO LOG II

Drawing No:

## G7

Sheet: 7 OF 49

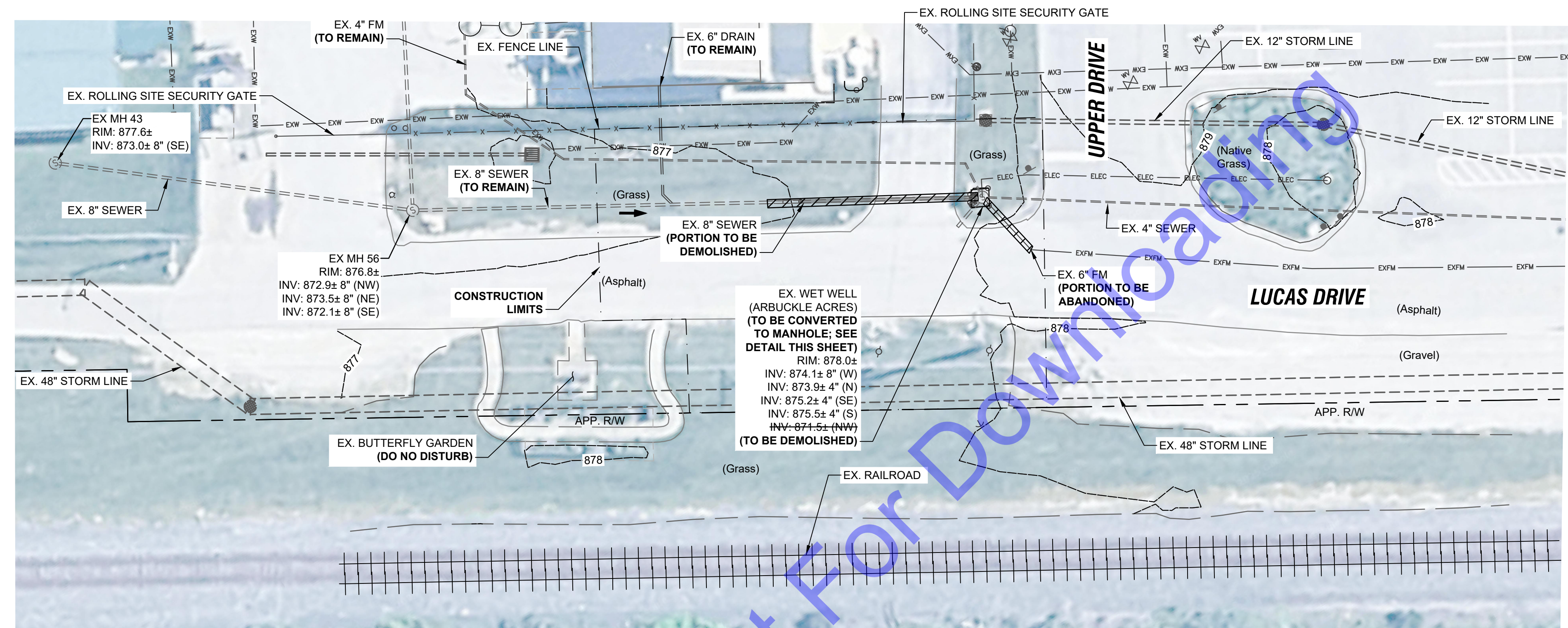




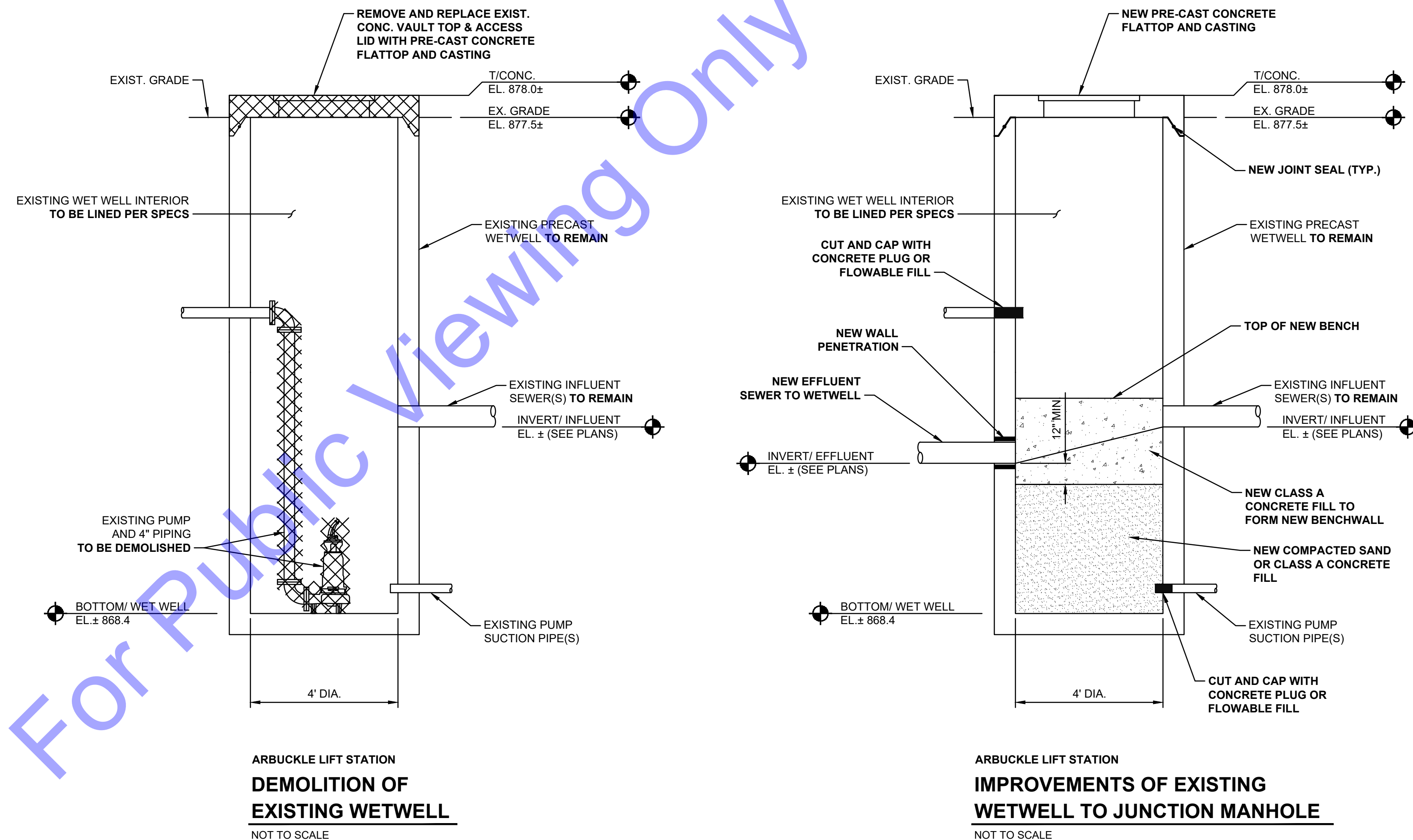




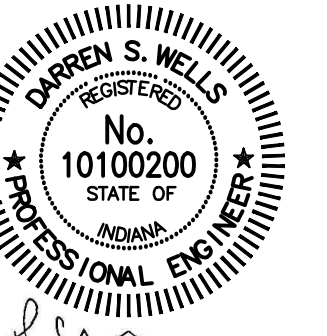




SCALE: 1"=20'-0"



- MODIFICATION DETAIL NOTES:**
1. EXISTING EQUIPMENT TO BE REMOVED.
  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 NECESSARY).
  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 LOCATION.



Signature \_\_\_\_\_ Date 05-22-2025

**TOWN OF BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA**

**PROJECT #24-012-WW  
(CONTRACT 3)**

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Designed By: DSW	Drawn By: JAJ	Checked By: ACC
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Issue Date: 05-22-25	Project No: S24211	Scale: AS SHOW
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ARBUCKLE ACRES LIFT  
STATION SITE  
DEMOLITION PLAN

Drawing No:

**C2-1**

Sheet: 10 OF 49

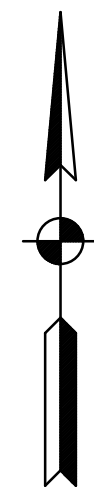












SCALE: 1"=20'-0"

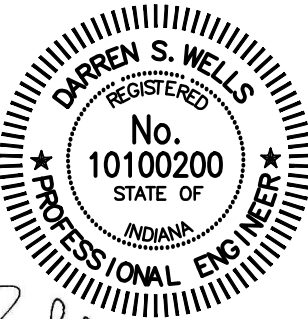


SCALE: 1"=20'-0"

**SHEET NOTES:**

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

**HORNADAY L.S. -  
MANDATORY ALTERNATE 1**



Signature	Date
-----------	------

**TOWN OF BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA  
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Designed By: DSW	Drawn By: JAJ	Checked By: ACC
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Issue Date:	Project No:	Scale:
05-22-25	S24211	AS SHOW

## HORNADAY LIFT STATION SITE IMPROVEMENTS PLAN

Drawing No:

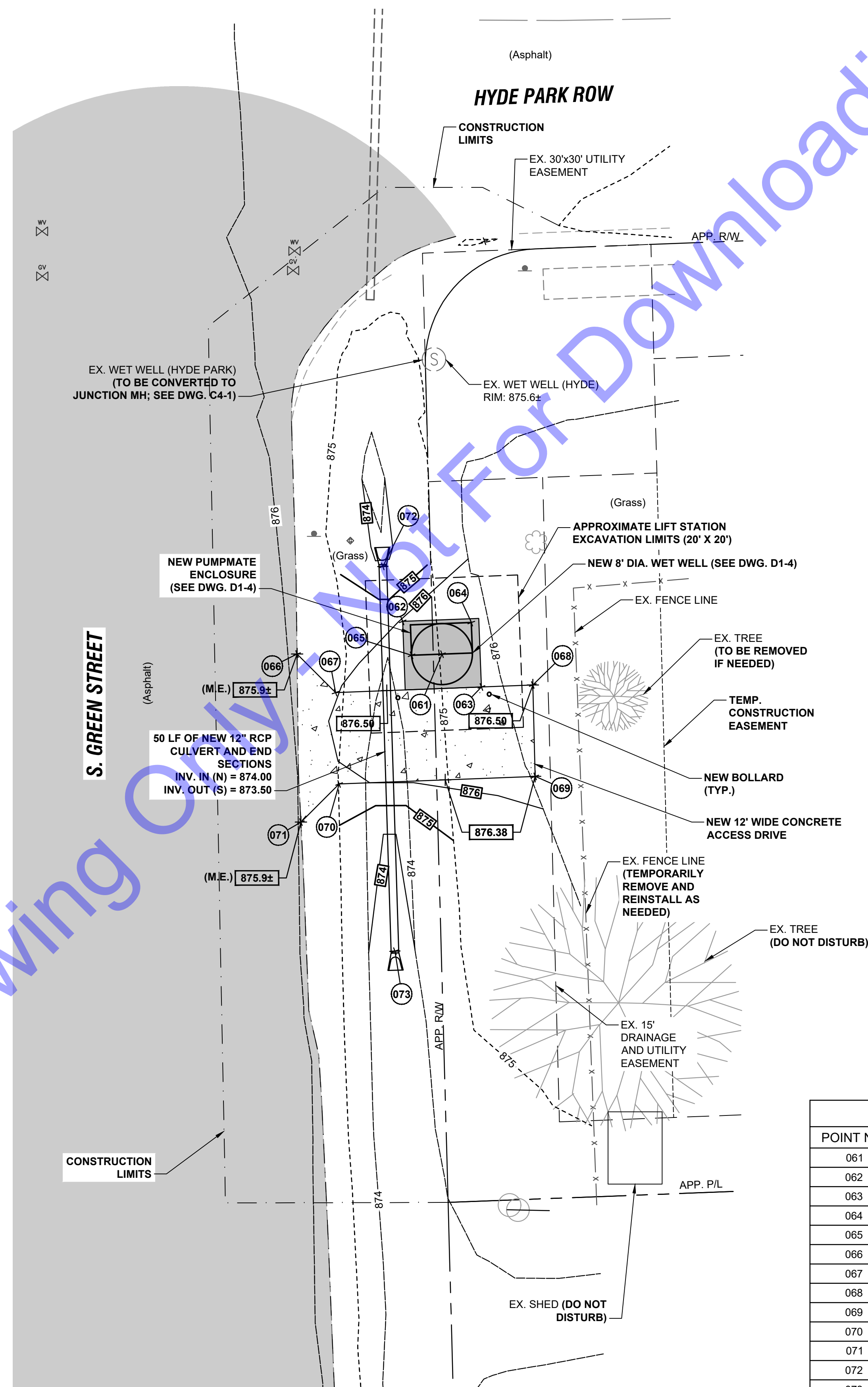
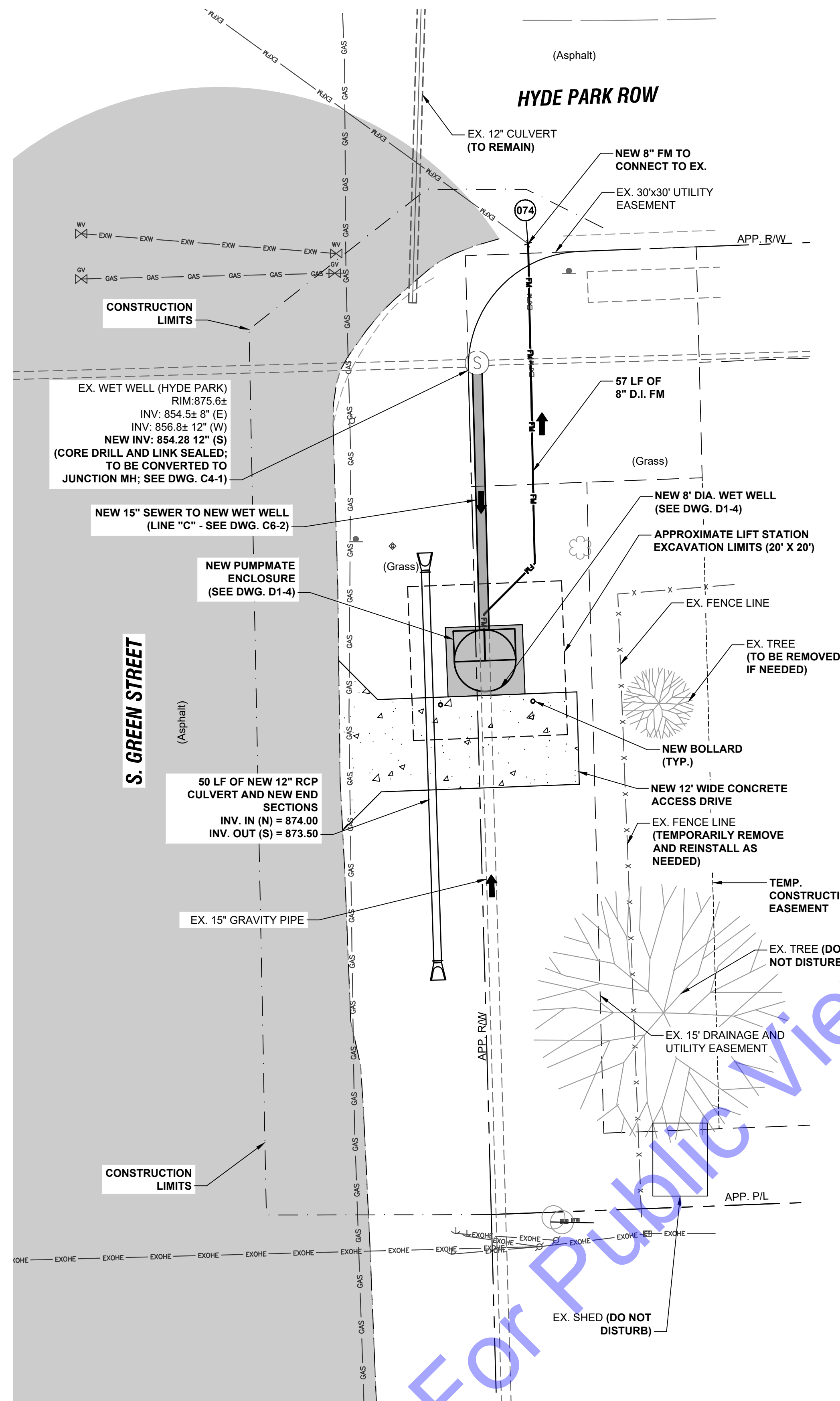
**C3-2**

Sheet: 13 OF 49







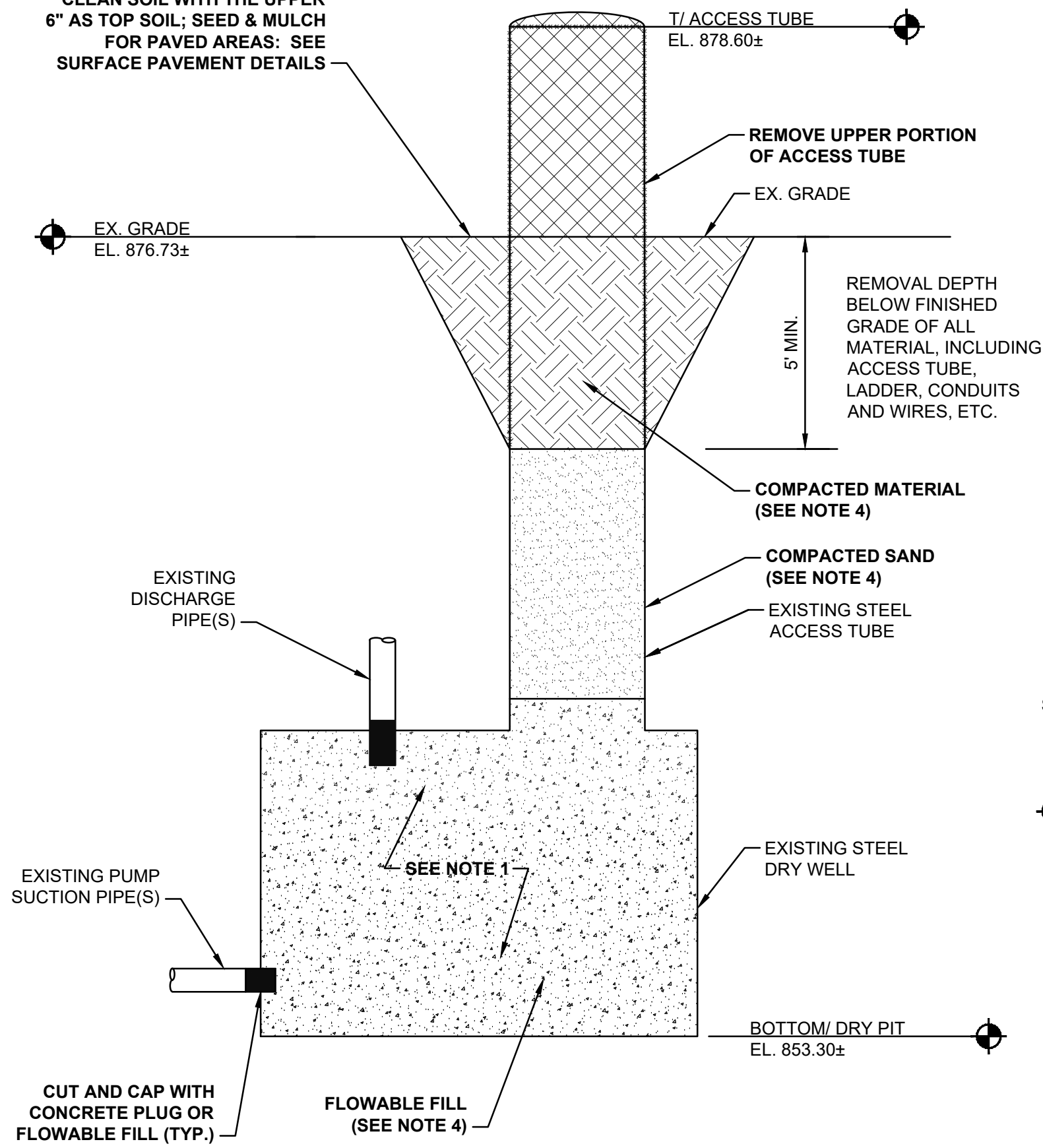


SITE LOCATION COORDINATES			
POINT NO.	DESCRIPTION	NORTHING	EASTING
061	CENTER OF WET WELL	1669092.87	3144379.08
062	NW CORNER OF CONC. PAD	1669097.17	3144373.91
063	SE CORNER OF CONC. PAD	1669088.57	3144384.25
064	NE CORNER OF PUMPMATE ENCLOSURE	1669097.02	3144382.93
065	SW CORNER OF PUMPMATE ENCLOSURE	1669092.72	3144375.09
066	CORNER OF CONC. ACCESS DRIVE	1669092.89	3144360.06
067	CORNER OF CONC. ACCESS DRIVE	1669087.83	3144365.12
068	CORNER OF CONC. ACCESS DRIVE	1669088.82	3144390.99
069	CORNER OF CONC. ACCESS DRIVE	1669076.83	3144391.30
070	CORNER OF CONC. ACCESS DRIVE	1669075.84	3144365.58
071	CORNER OF CONC. ACCESS DRIVE	1669070.83	3144360.57
072	NORTH END OF STORM CULVERT	1669104.38	3144371.32
073	SOUTH END OF STORM CULVERT	1669053.90	3144372.90
074	CONNECTION TO EX. FM	1669147.05	3144384.66

**HYDE PARK L.S. -  
MANDATORY ALTERNATE 2**



FINAL SURFACE RESTORATION  
FOR OPEN AREAS: MIN 2" OF  
CLEAN SOIL WITH THE UPPER  
6" AS TOP SOIL; SEED & MULCH  
FOR PAVED AREAS: SEE  
SURFACE PAVEMENT DETAILS



#### SCHOOL LIFT STATION DEMOLITION OF EXISTING STEEL DRY PIT

NOT TO SCALE

##### DEMOLITION DETAIL NOTES:

- EXISTING ACCESS LADDER, PUMPS, RAILS AND ALL OTHER EXISTING EQUIPMENT TO BE REMOVED.
- CONTRACTOR TO FIELD VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND INTERIOR EQUIPMENT OF LIFT STATION (CONTACT OWNER FOR AVAILABLE AS-BUILT INFORMATION AS NECESSARY).
- OWNER HAS FIRST RIGHT OF SALVAGE OF ALL EQUIPMENT. COORDINATE WITH OWNER REGARDING ITEM(S) TO BE REMOVED AND DELIVERED TO OWNER'S DESIGNATED LOCATION.
- FOLLOWING REMOVAL OF OWNER-SALVAGED ITEMS...
  - FILL BOTTOM OF ENLARGED PUMP WELL/ DRY PIT WITH FLOWABLE FILL (NON-REMOVABLE PER INDOT 213).
  - FILL REMAINING PORTION UP TO 5 FT. BELOW GRADE WITH COMPACTED SAND (#23 SAND PER INDOT 904) AT 12" MAX. LIFTS, AND
  - USE SITE-EXCAVATED MATERIAL TO BACKFILL REMAINDER OF STRUCTURE TO FINISHED GRADE; SEED AND MULCH.

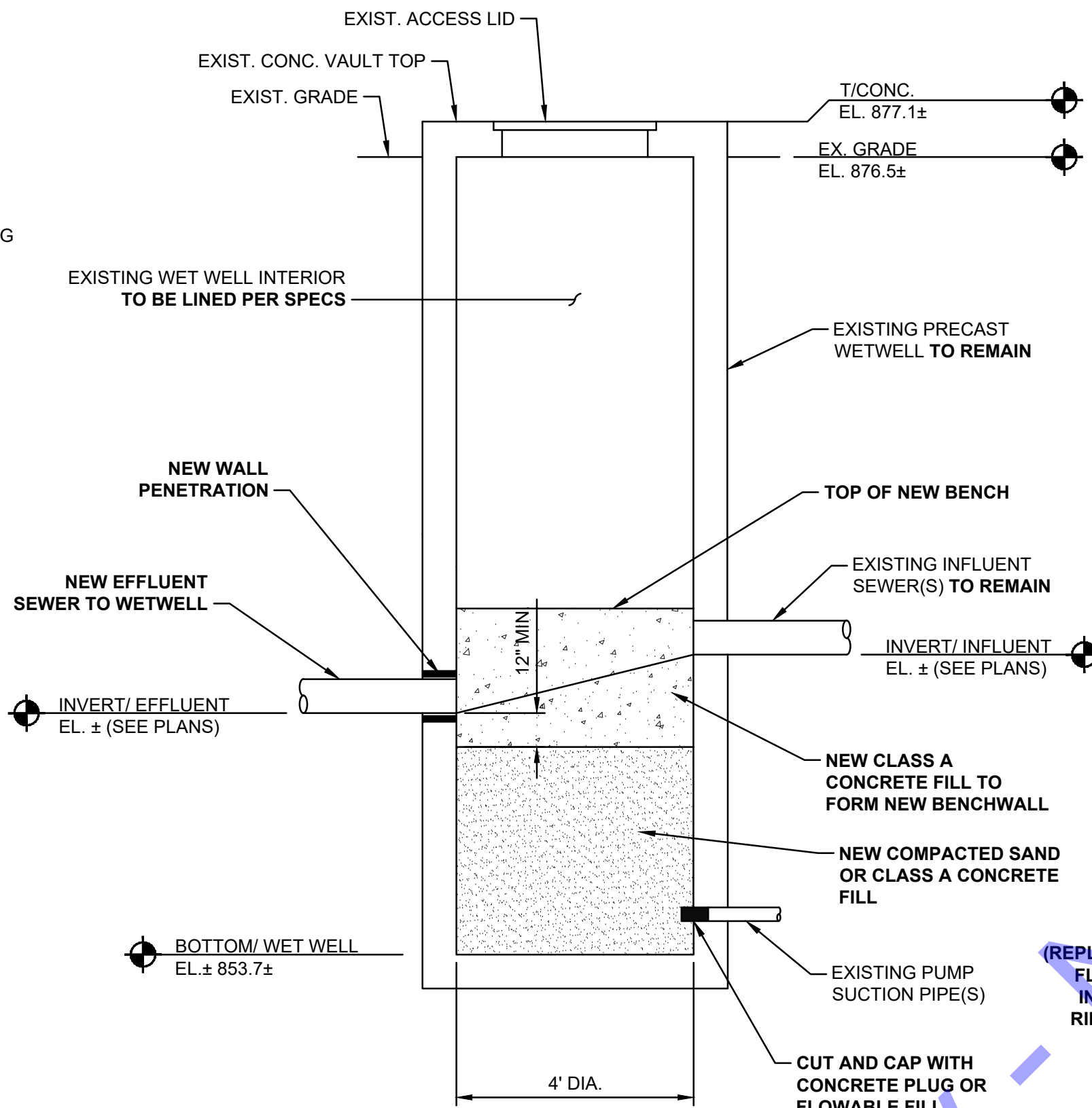


SCHOOL  
STEEL DRY PIT INTERIOR

PHOTO

NOT TO SCALE

A



#### SCHOOL LIFT STATION MODIFICATION OF EXISTING WETWELL TO JUNCTION MANHOLE

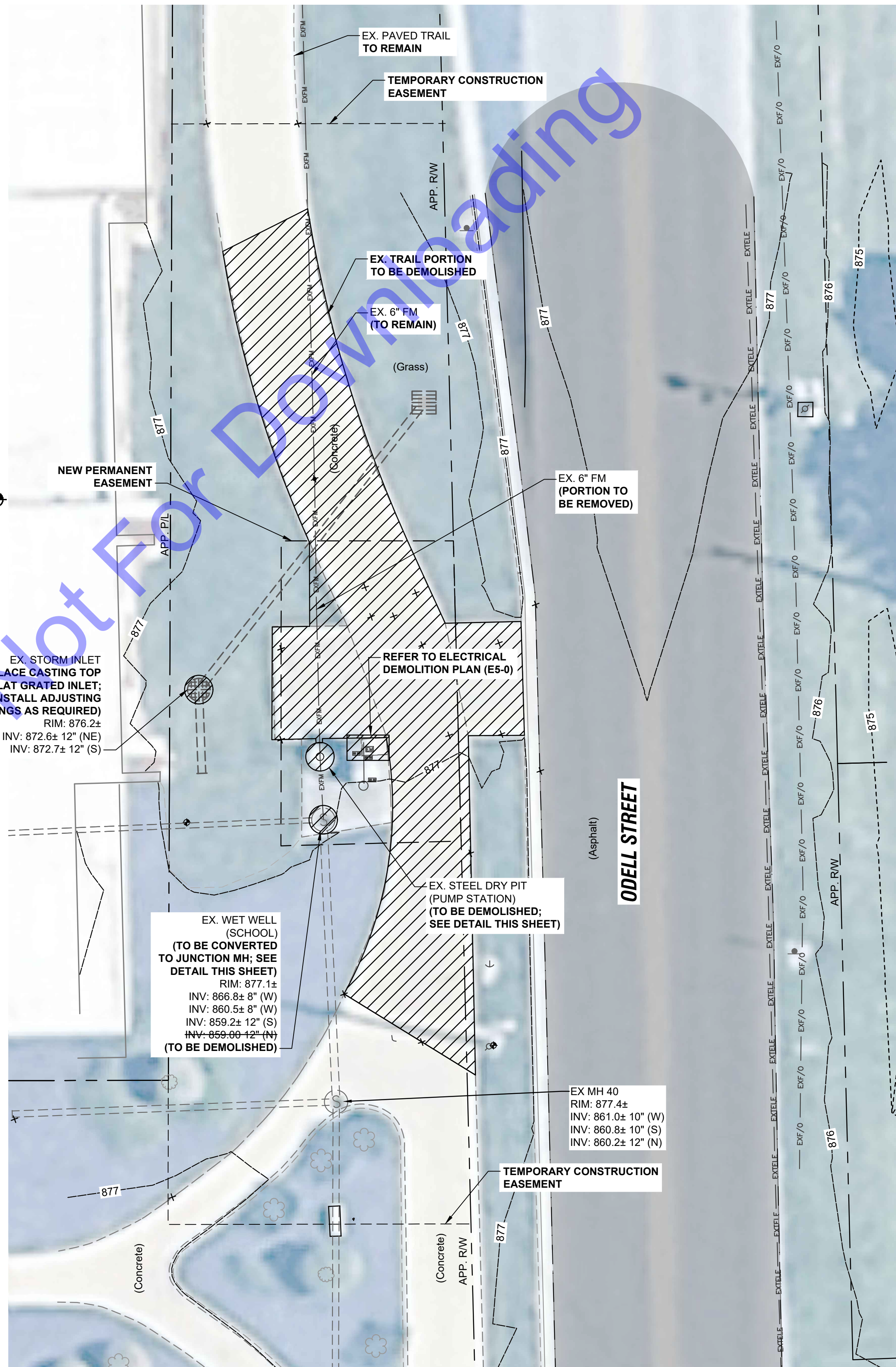
NOT TO SCALE

##### MODIFICATION DETAIL NOTES:

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

##### SHEET NOTES:

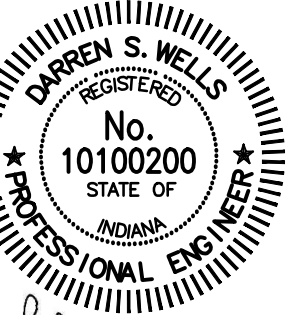
- SCHOOL DISTRICT CONTACT IS BUDDY FAULKNER (EMAIL: BFAULKNER@BROWNSBURG.K12.IN.US)
- CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS ALONG PATH/SIDEWALK THROUGHOUT CONSTRUCTION UNLESS OTHERWISE APPROVED BY SCHOOL DISTRICT. SEE DWG. C5-3.
- ALL CONSTRUCTION WORK INCLUDING BYPASSING, SHALL BE KEPT INSIDE TEMPORARY CONSTRUCTION SECURITY CHAIN LINK FENCING, UNLESS OTHERWISE APPROVED BY SCHOOL DISTRICT. COORDINATE BYPASSING WITH SCHOOL BUILDING OFFICIALS (SOME WASTE FACILITIES MAY REQUIRE INTERIOR BUILDING ACCESS).
- CONTRACTOR SHALL AVOID ANY LANE RESTRICTIONS ALONG ODELL STREET DURING STUDENT PICK-UP AND DROP-OFF TIMES. COORDINATE WITH SCHOOL DISTRICT FOR TIME RANGES. OUTSIDE OF THESE TIMES, AT LEAST ONE LANE OF TRAFFIC SHALL BE OPEN AT ALL TIMES. PROVIDE SIGNAGE & FLAGPERSON TO FACILITATE TRAFFIC MAINTENANCE.
- CONTRACTOR TO COORDINATE WITH SCHOOL DISTRICT REGARDING NEW MULCH BED LAYOUT. PLANTINGS BY OTHERS.



#### SCHOOL LIFT STATION SITE DEMOLITION PLAN

SCALE: 1"=10'-0"  
0 10' 20'

SCHOOL L.S. -  
MANDATORY ALTERNATE 3



Signature Date

TOWN OF BROWNSBURG,  
HENDRICKS COUNTY,  
INDIANA  
PROJECT #24-012-WW  
(CONTRACT 3)

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No.	Submittal / Revision	By	Date

Designed By: DSW Drawn By: JAJ Checked By: ACC

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

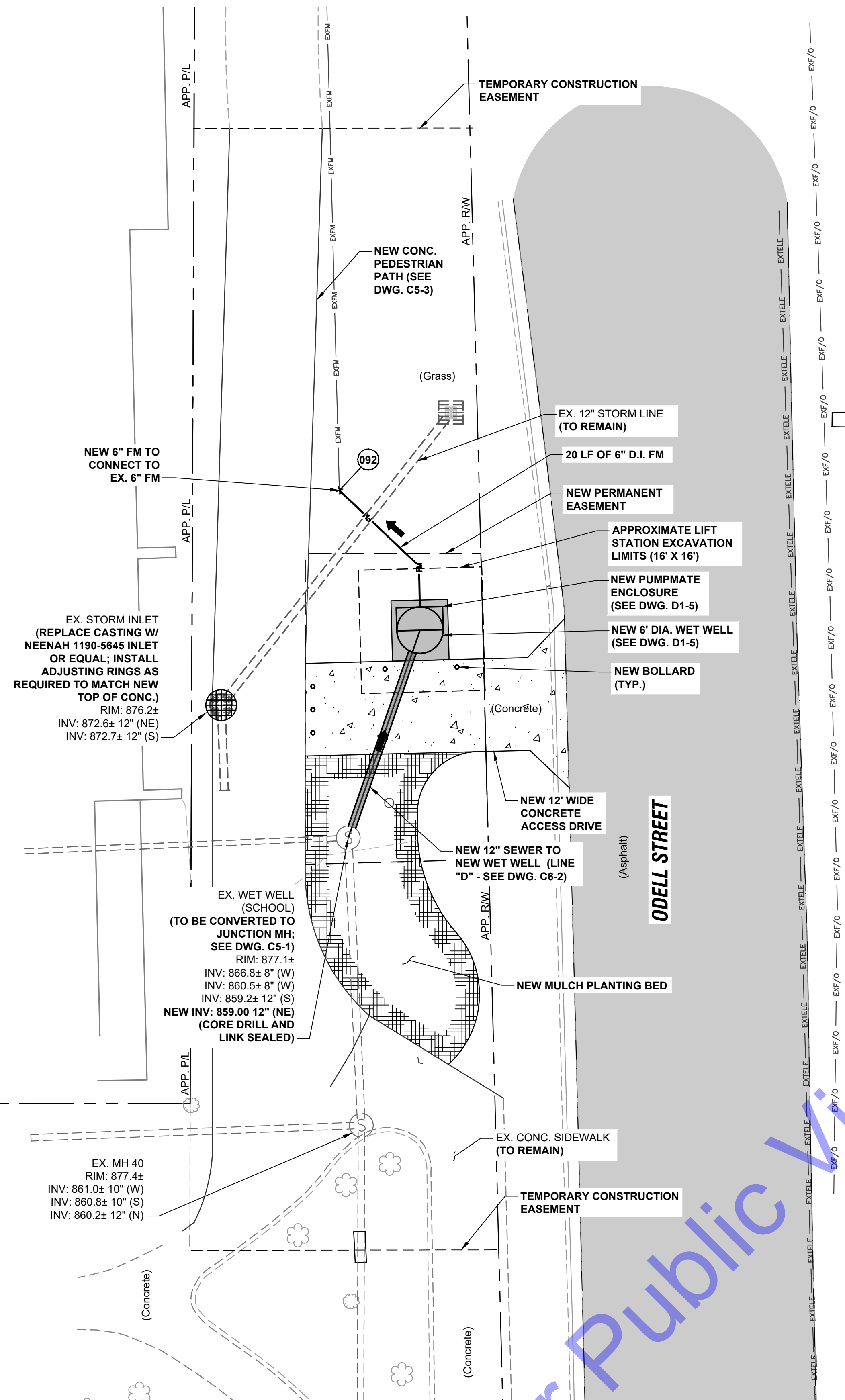
SCHOOL LIFT STATION  
SITE DEMOLITION PLAN

Drawing No:

C5-1

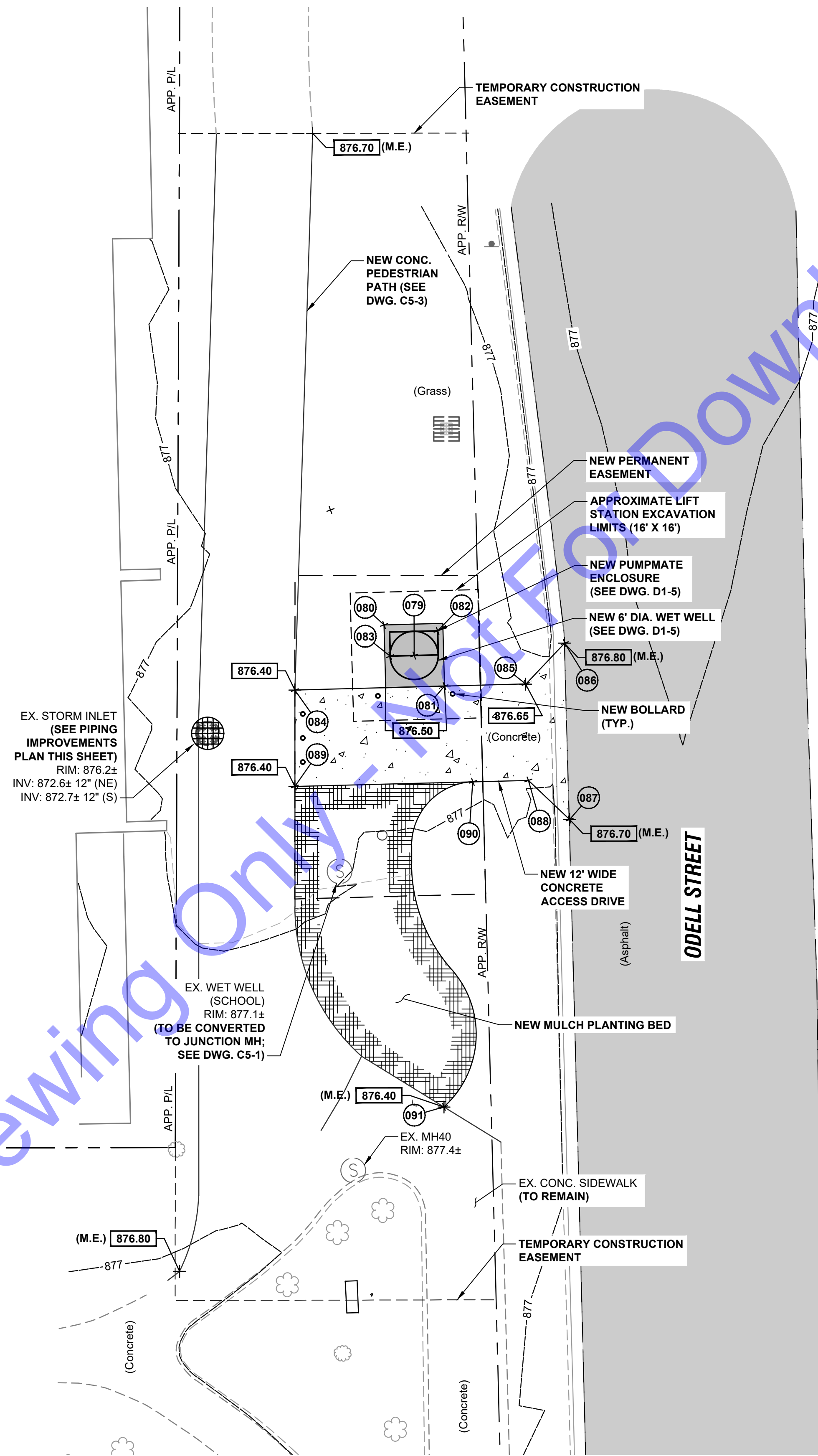
Sheet: 16 OF 49





## SCHOOL LIFT STATION SITE PIPING IMPROVEMENTS PLAN

SCALE: 1"=10'-0"



## SCHOOL LIFT STATION SITE GRADING IMPROVEMENTS PLAN

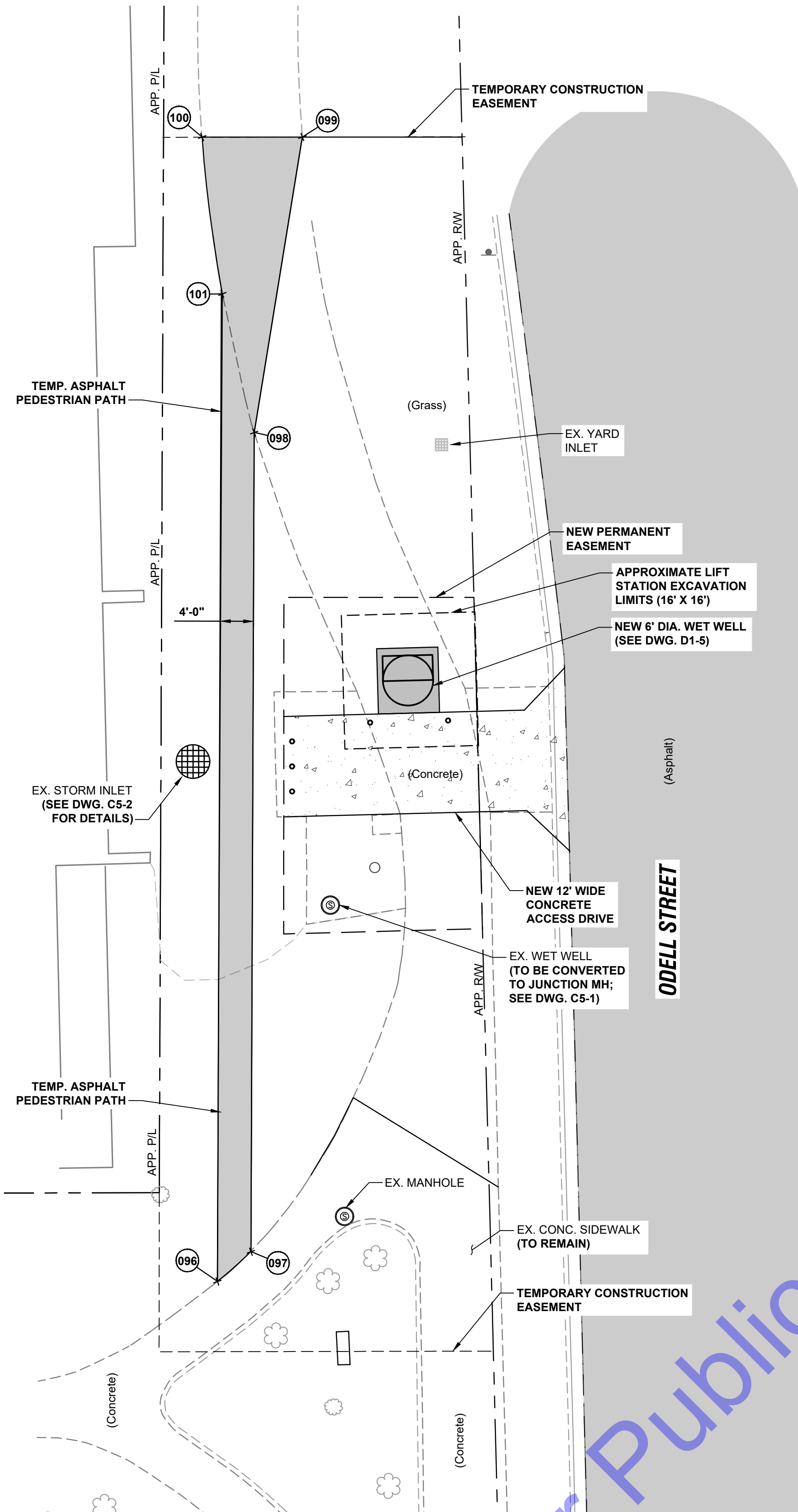
SCALE: 1"=10'-0"

SITE LOCATION COORDINATES			
POINT NO.	DESCRIPTION	NORTHING	EASTING
079	CENTER OF WET WELL	1669199.57	3148251.12
080	NW CORNER OF CONC. PAD	1669203.39	3148247.35
081	SE CORNER OF CONC. PAD	1669195.76	3148254.88
082	NE CORNER OF PUMP/MATE ENCLOSURE	1669202.65	3148254.04
083	SW CORNER OF PUMP/MATE ENCLOSURE	1669199.50	3148248.12
084	CORNER OF CONC. ACCESS DRIVE	1669195.26	3148236.23
085	CORNER OF CONC. ACCESS DRIVE	1669196.03	3148265.02
086	CORNER OF CONC. ACCESS DRIVE	1669201.12	3148269.88
087	CORNER OF CONC. ACCESS DRIVE	1669179.13	3148270.50
088	CORNER OF CONC. ACCESS DRIVE	1669184.00	3148265.35
089	CORNER OF CONC. ACCESS DRIVE	1669183.25	3148236.23
090	NORTH CORNER OF NEW PLANTING BED	1669183.82	3148258.43
091	SOUTH CORNER OF NEW PLANTING BED	1669143.29	3148254.82
092	CONNECTION TO EX. FM	1669217.72	3148240.66

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

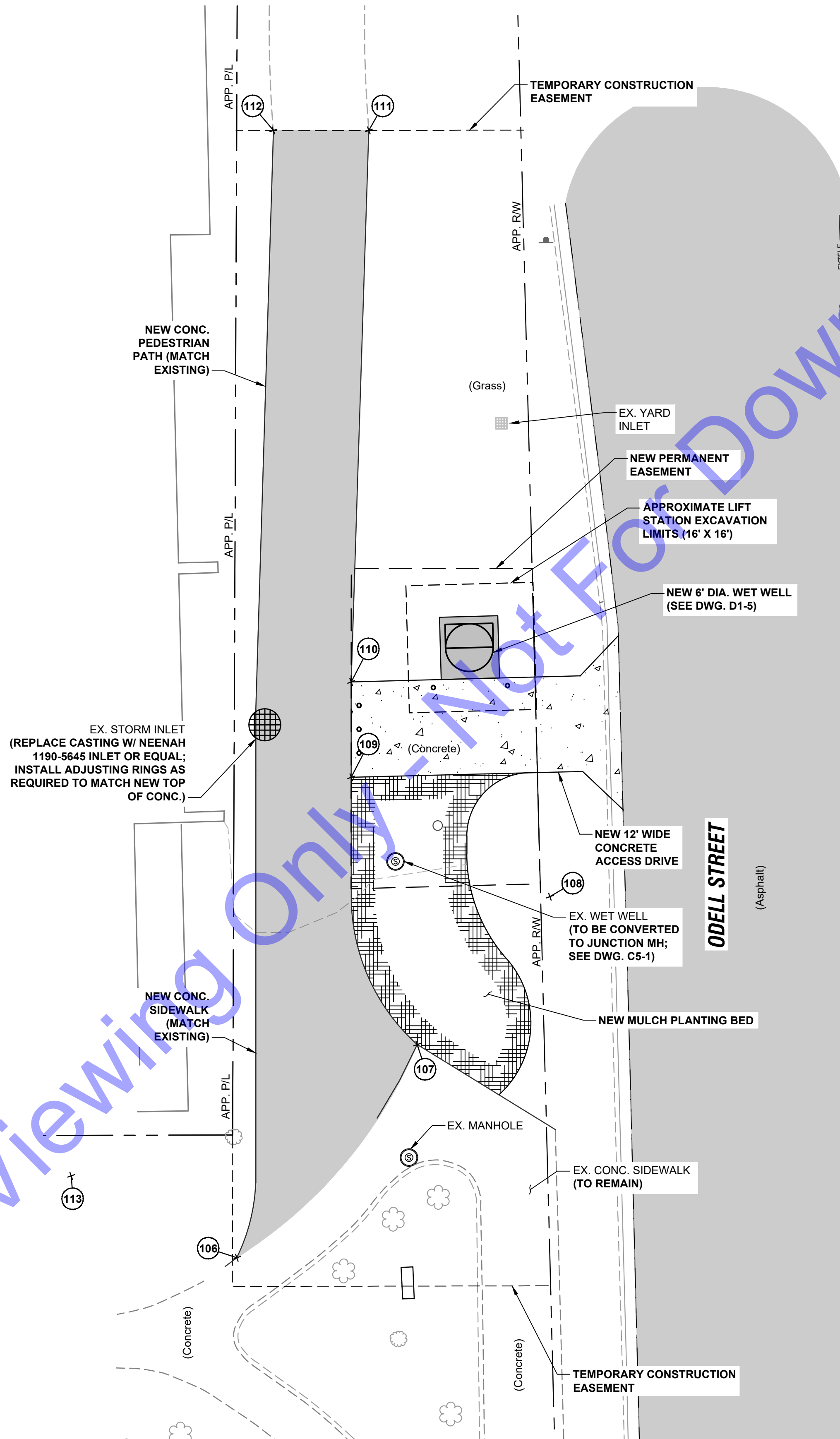


FILE: Z:\SHARED\CLIENTS\4. URBAN\BROWNSBURG\02-012-11\WATER\PROJECTS\2024-2025\DWG\CURRENT FILES\DRAWINGS\LIFT STATION\PROJECT\02-EX-SITE PLANS.DWG  
Saved: 5/21/2025 1:36:55 PM (User: JAJ) Project: 24-012-11-00 (User: JAJ) Current User: JAJ (User: JAJ) (User: JAJ)



PHASE 1 (DURING CONSTRUCTION)  
SCHOOL LIFT STATION TEMPORARY  
SIDEWALK IMPROVEMENTS PLAN

SCALE: 1"=10'-0"  
0 10' 20'



PHASE 2 -  
SCHOOL LIFT STATION PERMANENT  
SIDEWALK IMPROVEMENTS PLAN

SCALE: 1"=10'-0"  
0 10' 20'

**SHEET NOTES:**

- REFER TO SITE DEMOLITION AND IMPROVEMENTS PLAN (DWGS. C5-1 AND C5-2) FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO PROVIDE TEMPORARY CONSTRUCTION PERIMETER FENCE AROUND WORKSITE - EXCLUDING TEMP. SIDEWALK.
- GEOTEXTILE PLANTING BY OTHERS. 4"-6" HARDWOOD MULCH OVER WEED BARRIER WITH 6" TOPSOIL TO GRADE.

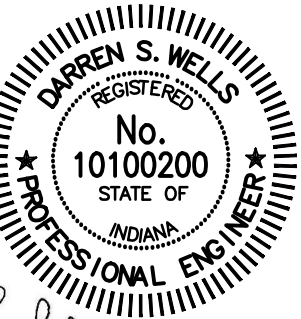
**TEMPORARY SIDEWALK SITE LOCATION COORDINATES**

POINT NO.	DESCRIPTION	NORTHING	EASTING
096	CORNER OF TEMPORARY SIDEWALK	1669127.59	3148228.28
097	CORNER OF TEMPORARY SIDEWALK	1669131.16	3148232.29
098	CORNER OF TEMPORARY SIDEWALK	1669229.28	3148232.68
099	CORNER OF TEMPORARY SIDEWALK	1669264.67	3148238.45
100	CORNER OF TEMPORARY SIDEWALK	1669264.67	3148226.45
101	CORNER OF TEMPORARY SIDEWALK	1669245.88	3148228.87

**PERMANENT SIDEWALK LOCATION COORDINATES**

POINT NO.	DESCRIPTION	NORTHING	EASTING
106	CORNER OF NEW PERMANENT CONC. SIDEWALK	1669122.79	3148221.85
107	CORNER OF NEW PERMANENT CONC. SIDEWALK	1669149.62	3148244.54
108	25' RADIUS TO NEW SIDEWALK E.O.P.	1669168.23	3148261.24
109	E.O.P. OF NEW PERMANENT CONC. SIDEWALK	1669183.25	3148236.23
110	E.O.P. OF NEW PERMANENT CONC. SIDEWALK	1669195.26	3148236.23
111	CORNER OF NEW PERMANENT CONC. SIDEWALK	1669264.67	3148238.45
112	CORNER OF NEW PERMANENT CONC. SIDEWALK	1669264.67	3148226.45
113	23.5' RADIUS TO NEW SIDEWALK E.O.P.	1669133.09	3148201.00

**SCHOOL L.S. -  
MANDATORY ALTERNATE 3**



Signature \_\_\_\_\_ Date 05-22-2025

**TOWN OF BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA**  
  
**PROJECT #24-012-WW  
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No.	Date	By	Submittal / Revision

Designed By: DSW Drawn By: JAJ Checked By: ACC  
Issue Date: 05-22-25 Project No: S24211 Scale: AS SHOWN

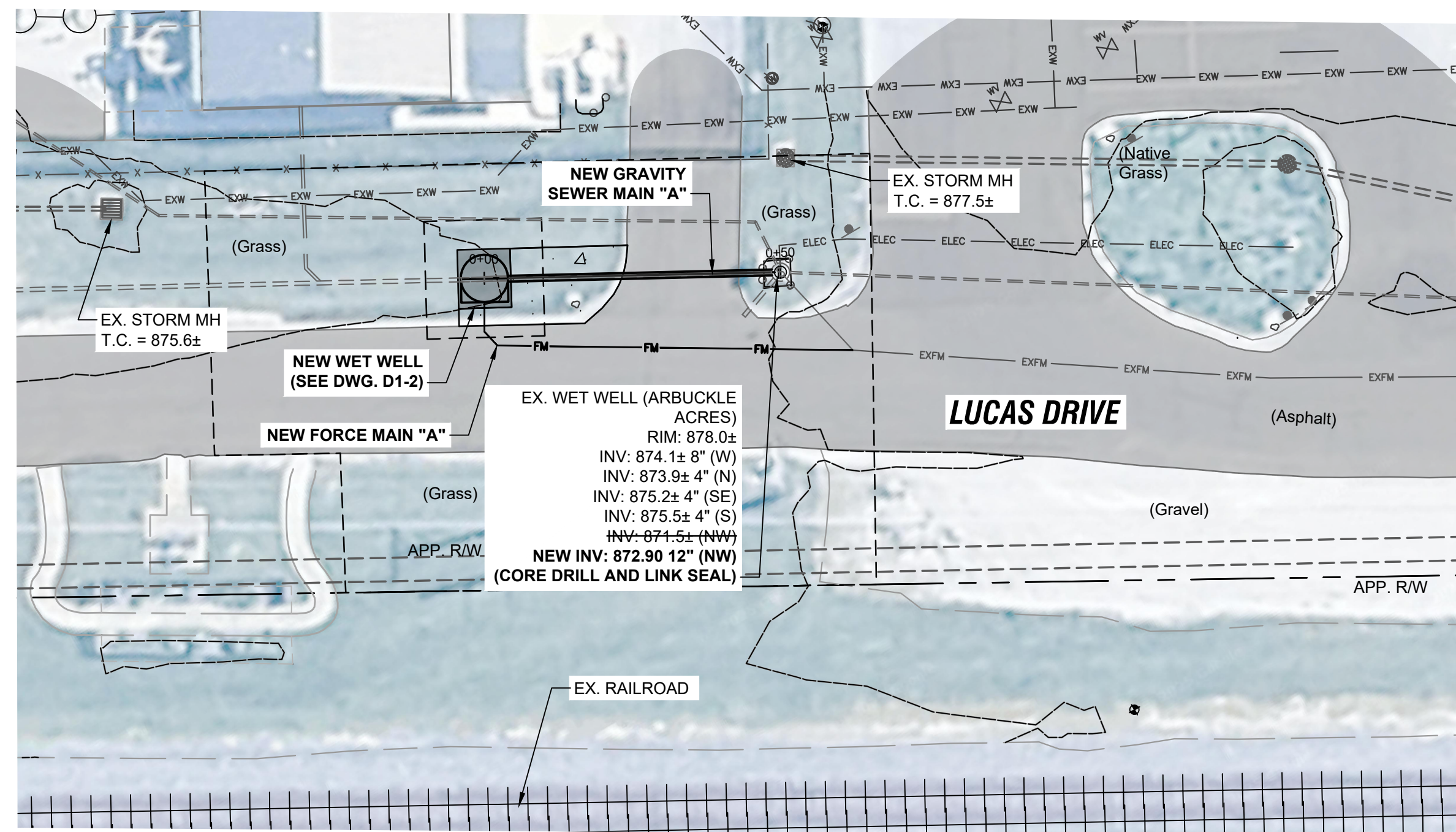
**SCHOOL LIFT STATION  
SIDEWALK  
IMPROVEMENTS PLANS**

Drawing No:

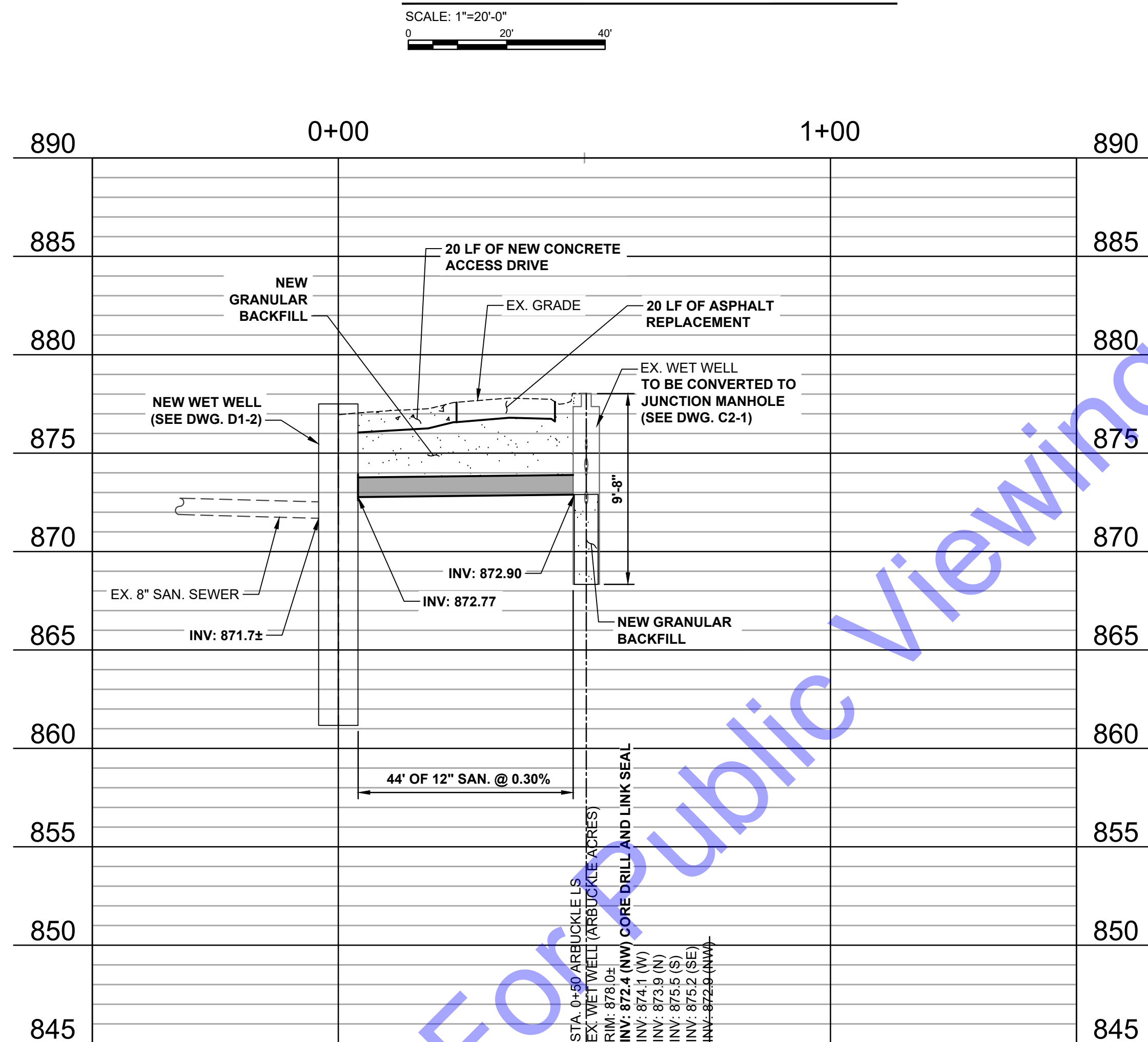
**C5-3**

Sheet: 18 OF 49

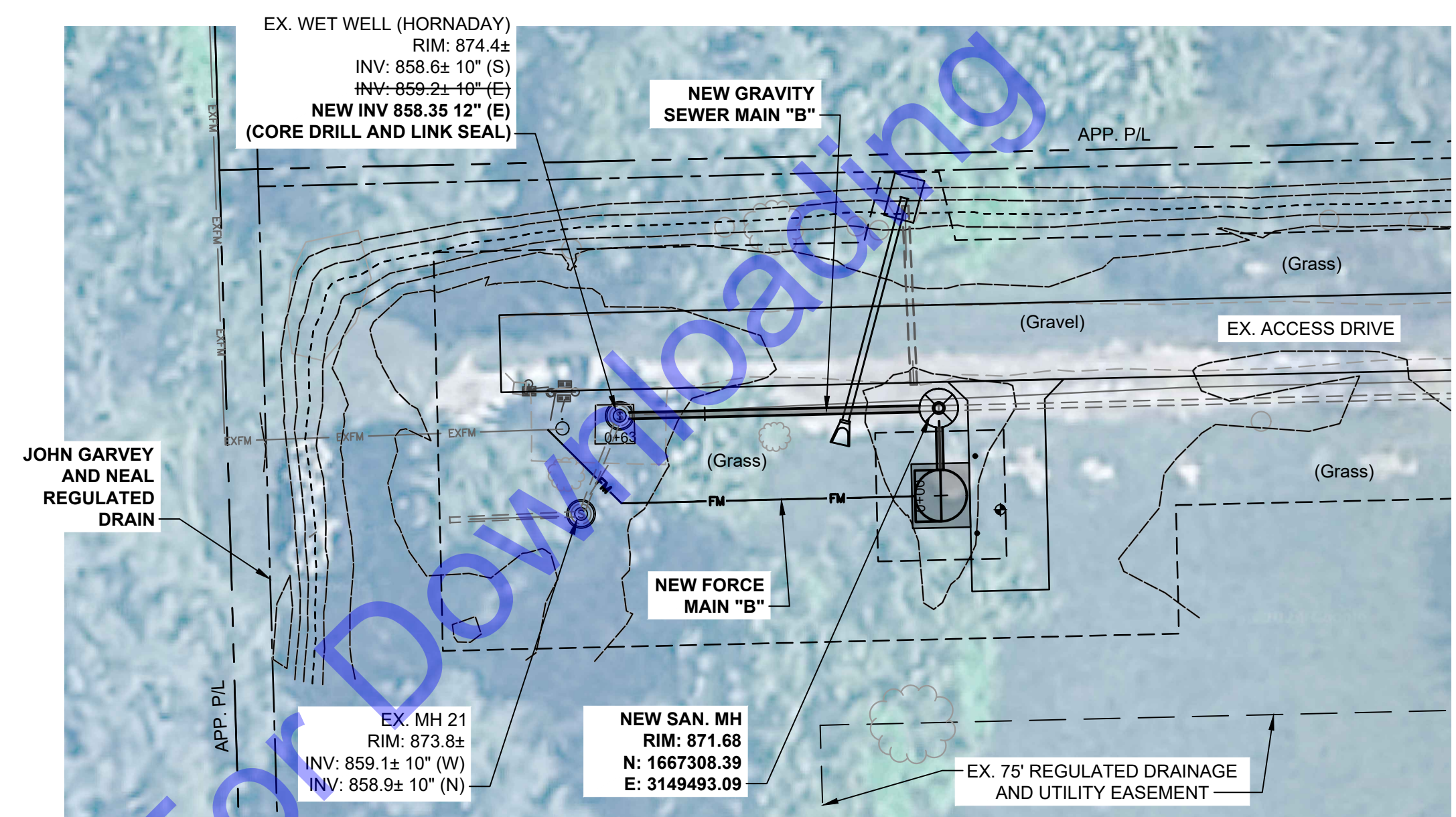




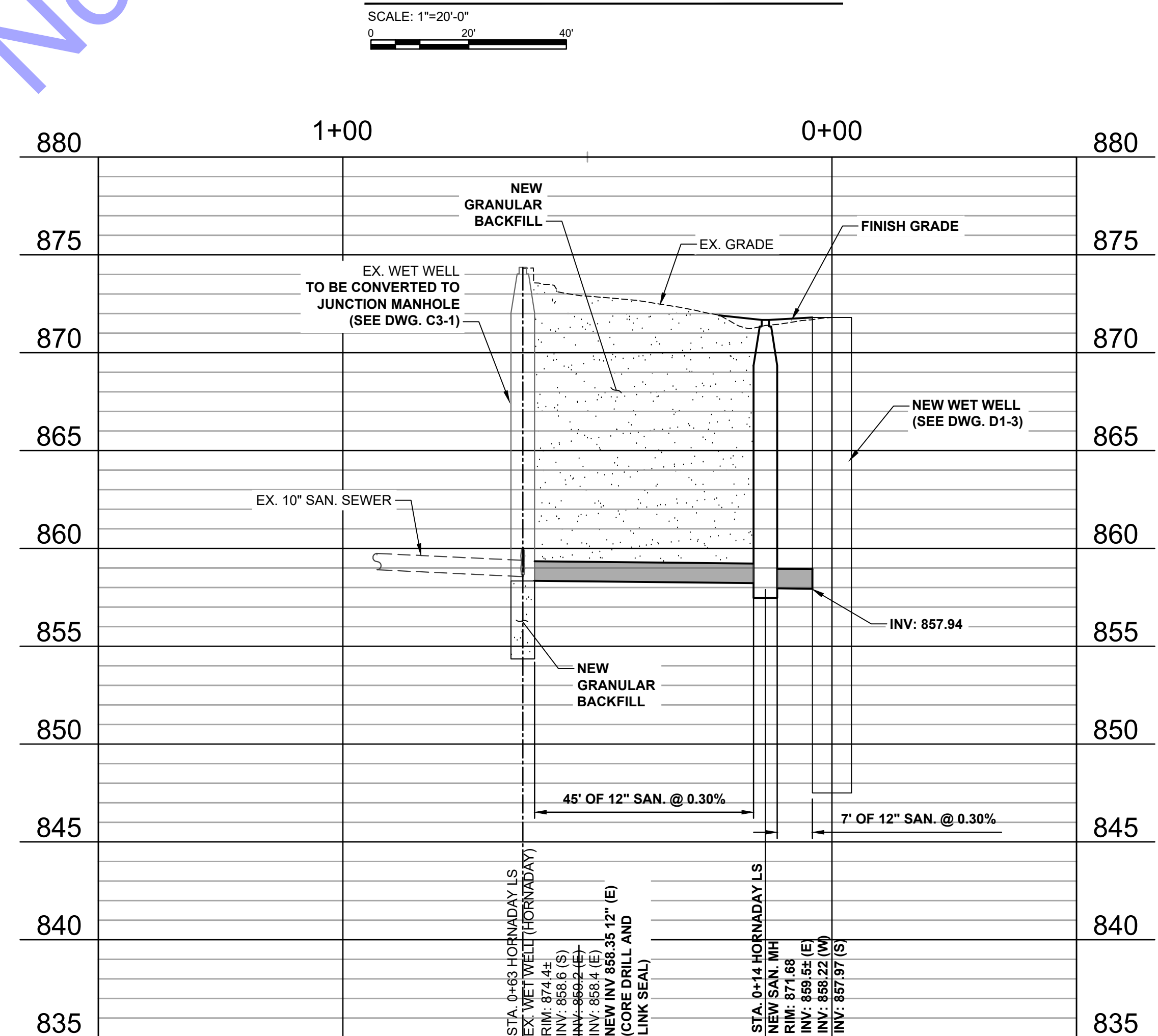
**ARBuckle ACRES LS**  
**PLAN - LINES "A" STA. 0+00 TO STA. 0+50**



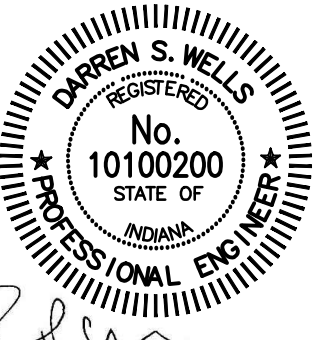
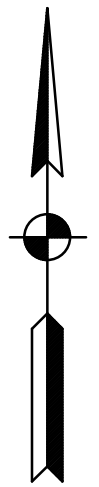
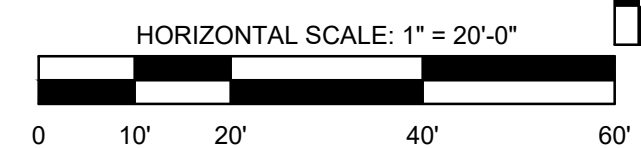
**ARBUCKLE ACRES LS**  
**PROFILE - LINE "A" STA. 0+00 TO STA. 0+50**



**HORNADAY LS**  
**PLAN - LINE "B" STA. 0+00 TO STA. 0+63**



**HORNADAY LS**  
**PROFILE - LINE "B" STA. 0+00 TO 0+63**



Signature \_\_\_\_\_ Date 05-22-2025

**TOWN OF BROWNSBURG  
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Issue Date: 05-22-25	Project No: S24211	Scale: AS SHOWN

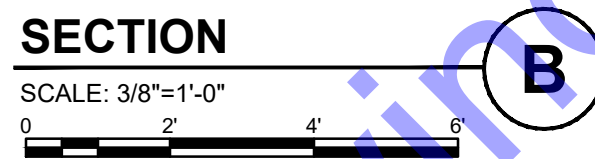
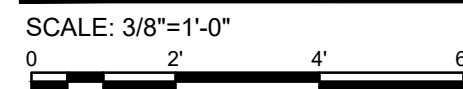
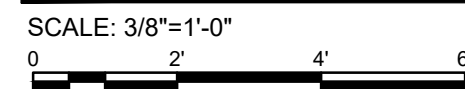
# NEW SEWER PLAN AND PROFILE - LINES "A" AND "B"

Drawing No:  
**C6-1**  
Sheet: 19 OF 49













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REGISTERED  
No. **10100200**  
STATE OF  
**INDIANA**  
PROFESSIONAL ENGINEER



Signature
Date

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## LOCUST LN. LIFT STATION IMPROVEMENTS DETAILS

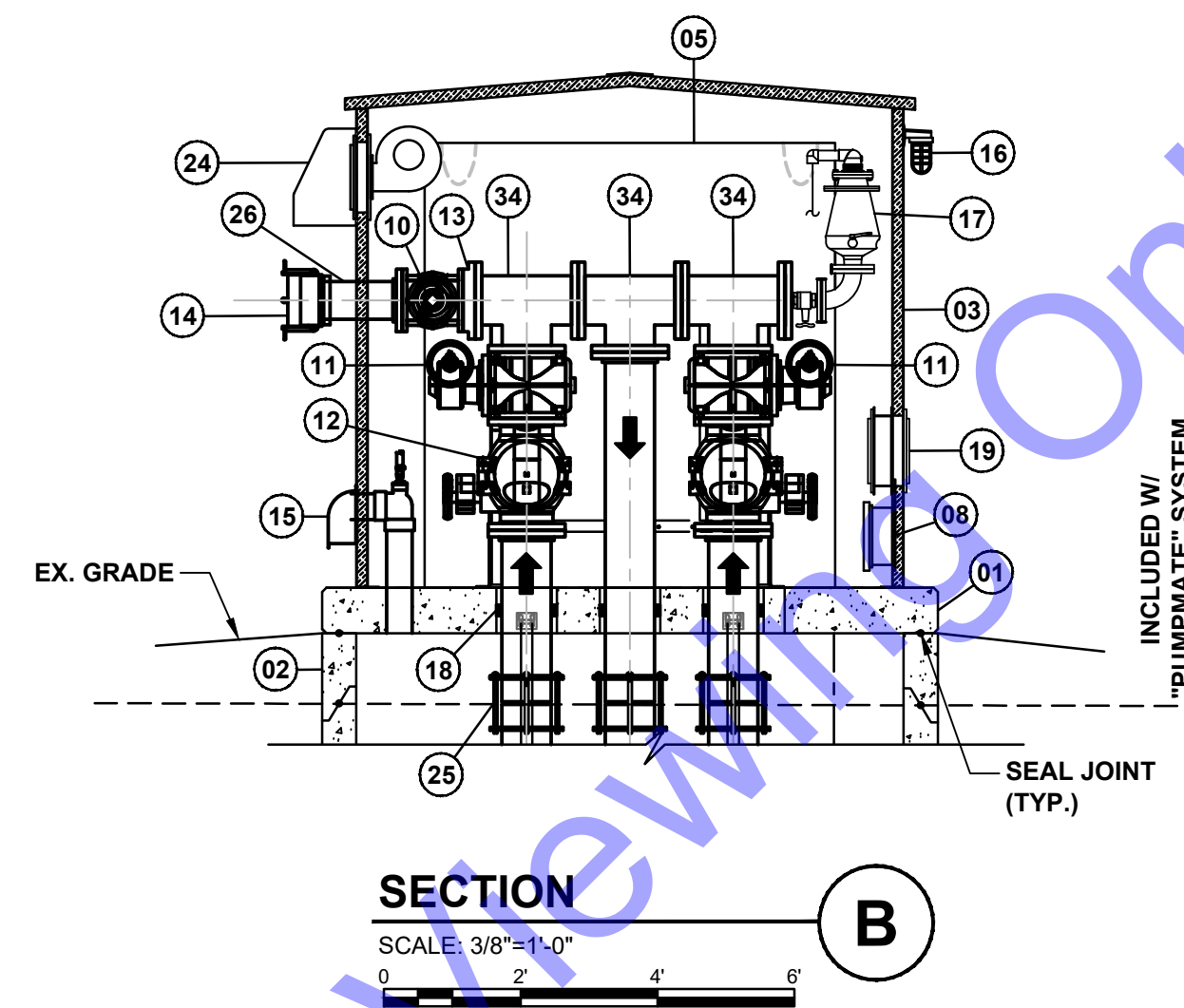
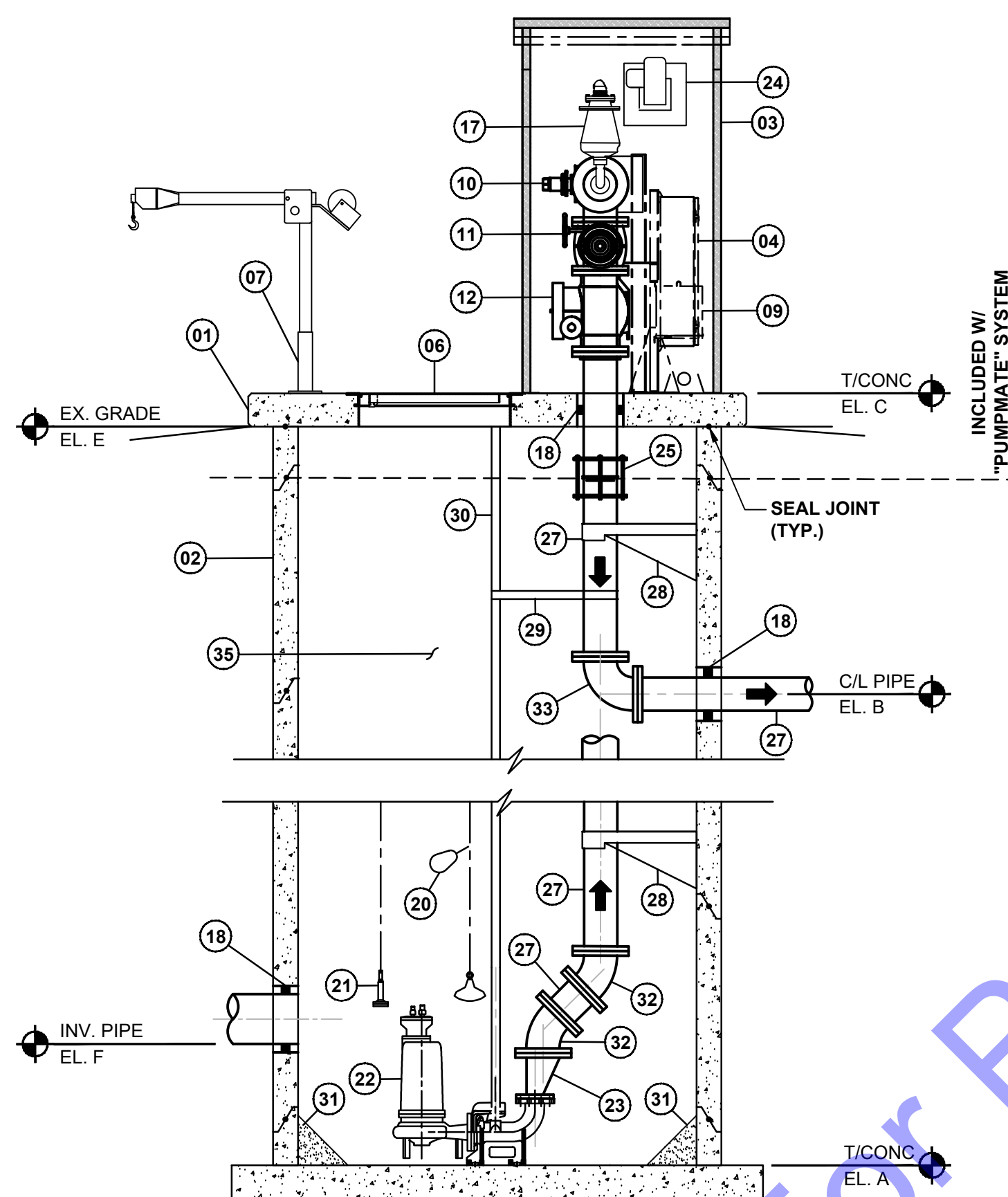
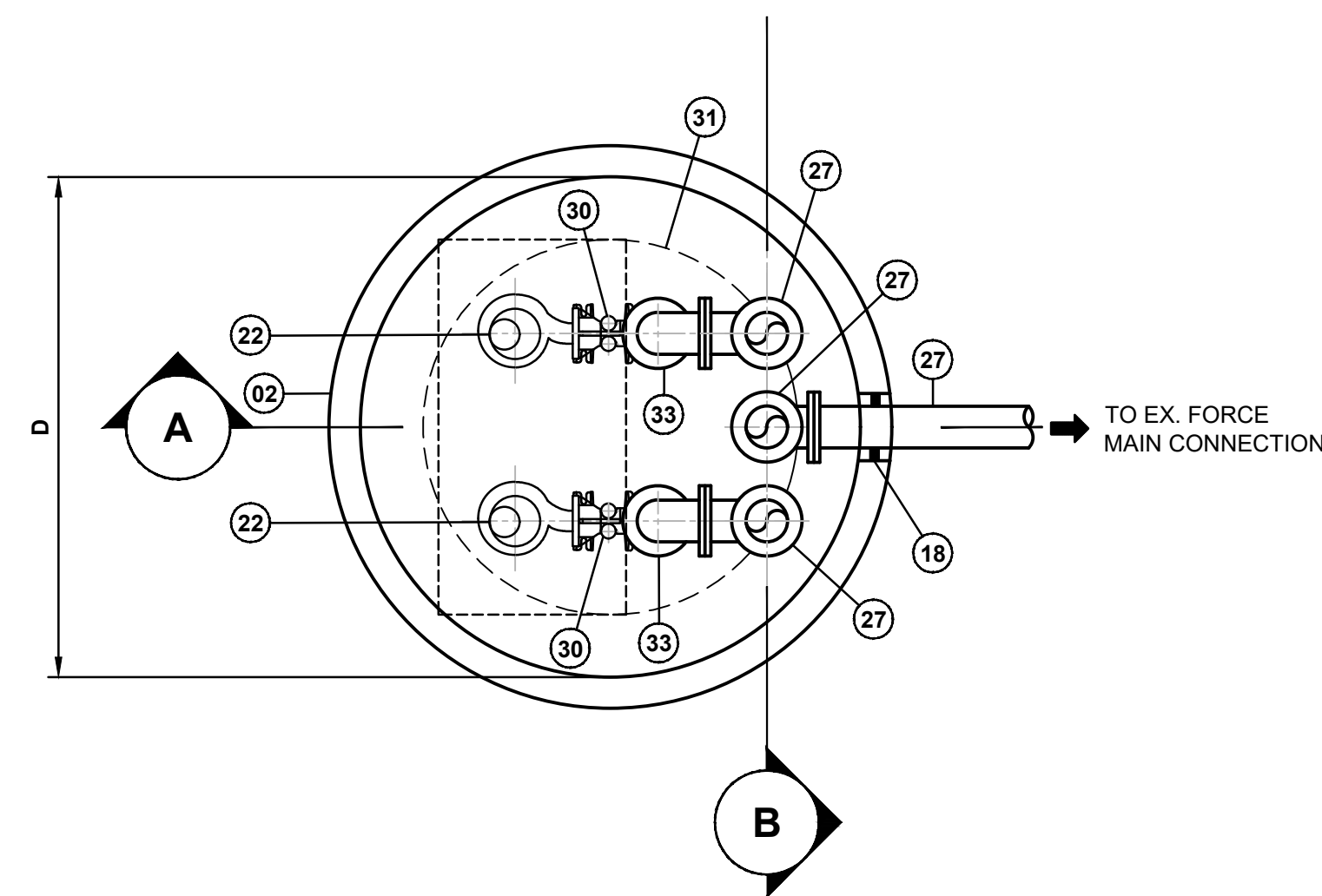
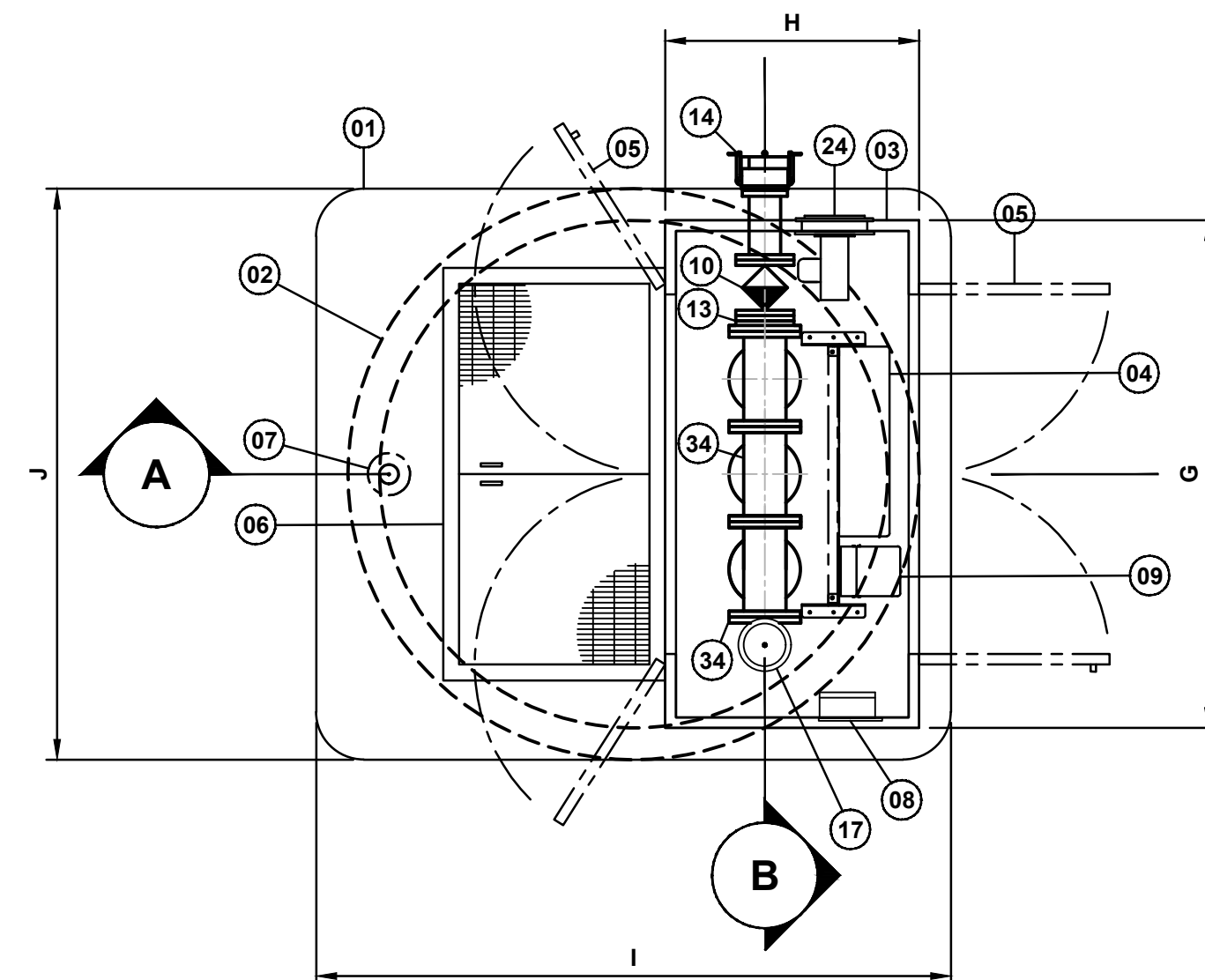
Drawing No:  
**D1-1**

Sheet: 21 OF 49









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

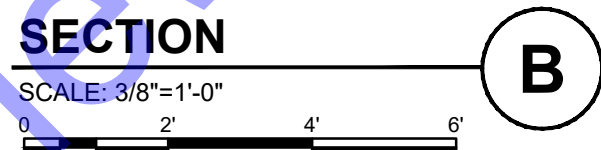
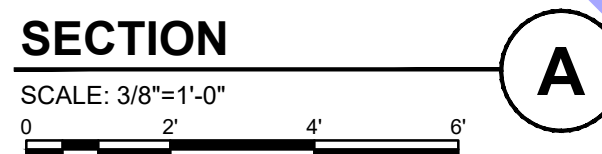
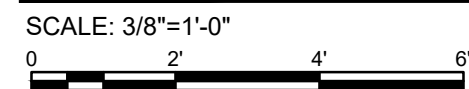
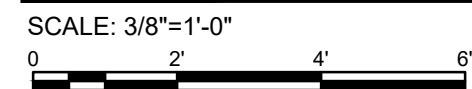
LIFT STATION KEYNOTES LEGEND		
#	MARK	DESCRIPTION
01		PRECAST CONC. SLAB
02		PRE-CAST CONC. WET WELL
03		PUMPMATE ENCLOSURE
04		CONTROL PANEL (SEE ELEC.)
05		78" x 72" DOUBLE DOOR
06		36" x 66" ALUMINUM ACCESS HATCH
07		DAVIT CRANE BASE
08		HEATER (SEE ELEC.)
09		5 KVA TRANSFORMER (SEE ELEC.)
10		6" 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		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 DATA		
(X) MARK	DESCRIPTION	HORNADAY
A	TOP OF CONCRETE BASE SLAB	848.50
B	DISCHARGE PIPE CENTERLINE ELEVATION	867.00
C	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	PUMP/MATE LENGTH	8'-0"±
H	PUMP/MATE WIDTH	4'-0"±
I	CONCRETE SLAB LENGTH	10'-0"±
J	CONCRETE SLAB WIDTH	9'-0"±

- 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.
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.





**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.
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 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		INTERIOR CONCRETE LINER

(X) MARK	DESCRIPTION	HYDE PARK
A	TOP OF CONCRETE BASE SLAB	846.22
B	DISCHARGE PIPE CENTERLINE ELEVATION	871.2±
C	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)
H	PUMPMATE LENGTH	8'-0"±
I	PUMPMATE WIDTH	4'-0"±
J	CONCRETE SLAB LENGTH	10'-0"±
K	CONCRETE SLAB WIDTH	9'-0"±





SCALE: 3/8"=1'-0"



SCALE: 3/8"=1'-0"



SCALE: 3/8"=1'-0"



SCALE: 3/8"=1'-0"



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.
3. REFER TO SPEC. 333213 FOR PUMP/MATE ENCLOSURE REQUIREMENTS.
4. REFER TO SPEC. 099727 FOR INTERIOR CONCRETE LINING REQUIREMENTS.
5. PUMP/MATE ENCLOSURE/PAD SHALL BE POSITIONED OVER WET WELL PER MANF. RECOMMENDATIONS FOR PROPER ALIGNMENT OF PIPING, GUIDE RAILS, HATCHES, ETC. TO SUIT INSTALLATION.

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 S4MXP750EC
IMPELLER SIZE	IN	7.375
DESIGN CAPACITY	GPM	300
MAX. STATIC HEAD	FT	26.70
DESIGN C-FACTOR	--	100
TOTAL DYNAMIC HEAD	FT	40
PUMP DISCHARGE SIZE	IN	4
MOTOR HP	HP	7.5
CONSTANT OR VARIABLE SPEED	--	CONSTANT
ELECTRIC SERVICE	VOLT/Ph/Hz	460/3/60
MAX. PUMP SPEED	RPM	1750
WET WELL CLASSIFICATION	--	CLASS 1, DIV. 1
VALVE VAULT CLASSIFICATION	--	UNCLASSIFIED
HIGH WATER ALARM ELEVATION	--	858.30
LAG ON ELEVATION	--	857.80
LEAD ON ELEVATION	--	856.80
PUMPS OFF ELEVATION	--	853.80

LIFT 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

LIFT STATION DATA		
(X) MARK	DESCRIPTION	SCHOOL
A	TOP OF CONCRETE BASE SLAB	850.83
B	DISCHARGE PIPE CENTERLINE ELEVATION	872.3±
C	TOP OF STRUCTURE	877.5±
D	WET WELL DIA.	6'-0" (NEW)
--	LIFT STATION PIPING DIA.	6"
--	EFFLUENT DIRECTION	NORTH
E	EX. GRADE	868.7±
F	INFLUENT	NEW 12" INV. EL. 858.93 (SW)
G	NOT USED	--
H	PUMPMATE LENGTH	6'-4"±
I	PUMPMATE WIDTH	3'-0"±
J	CONCRETE SLAB LENGTH	7'-10"±
K	CONCRETE SLAB WIDTH	7'-4"±



FILE: Z:\SHARED\IN CLIENTS\4.BROWNSBURG\024211\WATERWATER PROJECTS\204-2516 CAD\A CURRENT FILES\DRAWINGS\LIFT STATION PROJECT\05-DETAILS.DWG  
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CONSTRUCTION/STORMWATER POLLUTION PREVENTION PLAN

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

<b>Plan Preparer:</b> Gillian Rockwell	<b>Affiliation:</b> Commonwealth Engineers, Inc.
<b>Address:</b> 7256 Company Drive	
<b>City:</b> Indianapolis	<b>State:</b> IN
<b>Phone:</b> 317-888-1177	<b>Zip:</b> 46237
<b>Cell Phone:</b> NA	<b>Email:</b> grockwell@contactcoei.com
<b>Project Site Owner:</b> Town of Brownsburg	<b>Company Name (if applicable):</b>
<b>Address:</b> 61 N Green Street	
<b>Town:</b> Brownsburg	<b>State:</b> IN
<b>Phone:</b> 317.852.1120	<b>Zip:</b> 46112
<b>Cell Phone:</b>	<b>Email:</b>

EXHIBITS

- 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 8958 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" \*GENESSEE 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:

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

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

A24 PROPOSED FINAL TOPOGRAPHY:

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

A25 LOCATIONS AND APPROXIMATE BOUNDARIES OF ALL DISTURBED AREAS:

THE PLANS SHOW THE LOCATIONS AND BOUNDARIES OF ALL DISTURBED AREAS/CONSTRUCTION LIMITS. 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.

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:

OPERATION	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:

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:

- LOCATE PILES WITHIN THE DESIGNATED LIMITS OF DISTURBANCE.
- PROTECT FROM CONTACT WITH STORMWATER USING A TEMPORARY PERIMETER SEDIMENT BARRIER.
- WHERE PRACTICABLE, PROVIDE COVER OR APPROPRIATE TEMPORARY VEGETATIVE OR STRUCTURAL STABILIZATION TO AVOID DIRECT CONTACT WITH PRECIPITATION OR TO MINIMIZE THE DISCHARGE OF SEDIMENTS.
- 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.
- 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:

- ALLOW NO DISCHARGE OF VISIBLE SEDIMENTS OR SOLIDS.
- AT ALL POINTS WHERE DEWATERING WATER IS DISCHARGED, UTILIZE VELOCITY DISSIPATION DEVICES.
- 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:

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

B7 STORMWATER OUTLET PROTECTION SPECIFICATIONS:

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:

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.

B9 DEWATERING APPLICATIONS AND MANAGEMENT METHODS:

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.

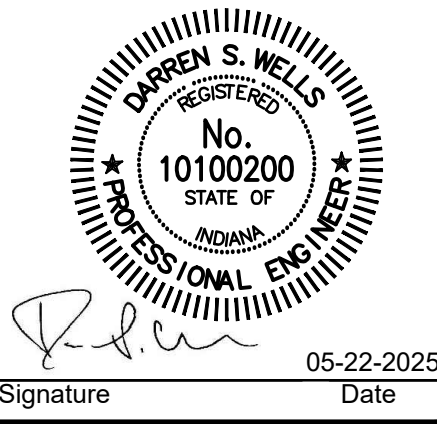
EXAMPLES OF APPROPRIATE CONTROL MEASURES INCLUDE TEMPORARY SEDIMENT BASINS OR SEDIMENT TRAPS, SEDIMENT SOCKS, DEWATERING TANKS AND BAGS, OR FILTRATION SYSTEMS (E.G., BAGS OR SAND FILTERS) THAT ARE DESIGNED TO REMOVE SEDIMENT. UNCONTAMINATED, NON-TURBID DEWATERING WATER CAN BE DISCHARGED WITHOUT BEING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

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

- ALLOW NO DISCHARGE OF VISIBLE SEDIMENTS OR SOLIDS.
- AT ALL POINTS WHERE DEWATERING WATER IS DISCHARGED, UTILIZE VELOCITY DISSIPATION DEVICES.
- 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).

B10 MEASURES UTILIZED FOR WORK WITHIN WATERBODIES:

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.



Signature \_\_\_\_\_ Date \_\_\_\_\_

TOWN OF BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA  
  
PROJECT #24-012-WW  
(CONTRACT 3)



Date	By	Submittal / Revision	No.	Designed By:	Drawn By:	Checked By:
				DSW	JAJ	ACC
				Issue Date:	Project No:	Scale:
				05-22-25	S24211	AS SHOWN

SWPPP NOTES

Drawing No:

EC1

Sheet: 26 OF 49



**B11 MAINTENANCE GUIDELINES FOR EACH PROPOSED STORMWATER QUALITY MEASURE:**

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

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.

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.

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

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

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

**B15 MATERIAL HANDLING AND STORAGE PROCEDURES ASSOCIATED WITH CONSTRUCTION ACTIVITY:**

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

**C2 DESCRIPTION OF PROPOSED POST-CONSTRUCTION STORMWATER QUALITY MEASURES:**

### C3 PLAN DETAILS FOR EACH STORMWATER QUALITY MEASURE:

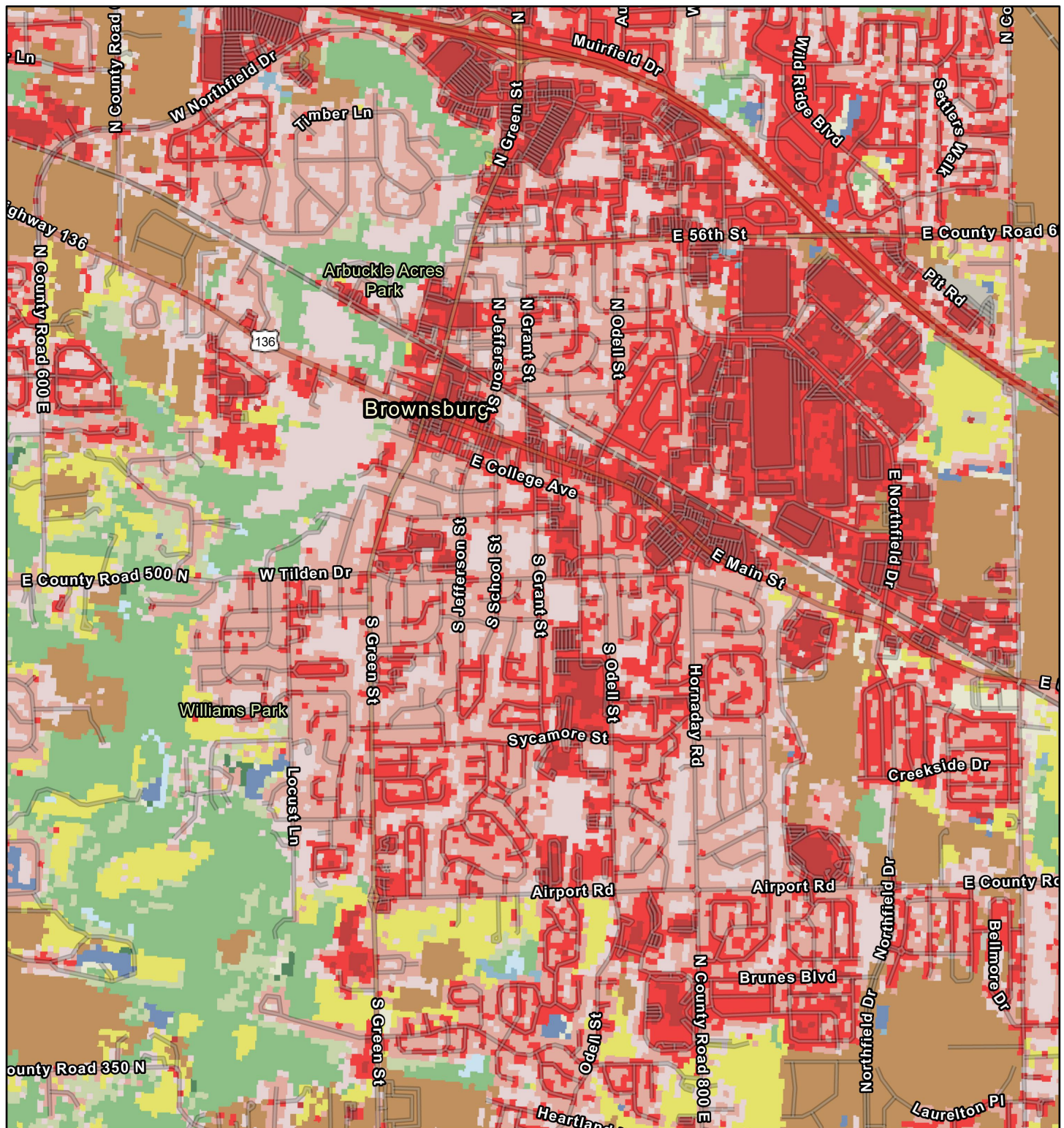
#### C4 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION:

1. TEMPORARY PLANTINGS WILL BE PROVIDED IN CRITICAL AREAS DEVOID OF VEGETATION AND 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 SEEDLINGS ARE LIKELY TO FAIL DUE TO AN EXTENDED PERIOD OF HEAT OR DROUGHT.
2. REMOVAL AND CLEANUP OF ALL TEMPORARY EROSION CONTROL MEASURES INCLUDING SILT FENCE, WATTLES, AND EROSION CONTROL BLANKET.
3. THE ENTIRE CONSTRUCTION AREA IS TO BE INSPECTED AND CLEANED, INCLUDING THE COLLECTION AND DISPOSAL OF CONSTRUCTION TRASH AND DEBRIS.
4. PERMANENT SEEDING AND MULCHING WILL BE INSTALLED IMMEDIATELY AFTER ACHIEVING FINAL GRADE OR WITHIN SEVEN (7) DAYS OF INACTIVITY. IF NECESSARY, A TEMPORARY STABILIZATION PRACTICE WILL BE EMPLOYED UNTIL THE NEXT PRIME SEEDING PERIOD.
5. A FINAL SITE INSPECTION WILL TAKE PLACE TO ASSURE THAT ALL REQUIREMENTS OF THE SWPPP, CONSTRUCTION DRAWINGS, AND SUPPORTING DOCUMENTS HAVE BEEN FULFILLED.

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


[www.uncc.edu](http://www.uncc.edu)

# Land Cover Map



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Indiana Viewer

SEEK'S RISK REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LOCATION	
SPECIAL FLOOD HAZARD AREAS	<p>Without Base Flood Elevation (BFE)</p> <p>Zone A or A99</p> <p>With BFE or Depth (Zone AE, AO, AH, VE, VEI, AR)</p> <p>Regulatory Floodway</p> <p>0.2% Annual Chance Flood Hazard. Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. Zone A</p> <p>Future Conditions 1% Annual Chance Flood Hazard Zone A</p> <p>Area with Reduced Flood Risk due to Levee. See Notes, Zone X</p> <p>Area with Flood Risk due to Levee Zone D</p>
	<p>OTHER AREAS OF FLOOD HAZARD</p> <p>NO SCREEN</p> <p>Area of Minimal Flood Hazard Zone X</p> <p>Effective Lowlands</p> <p>Area of Undetermined Flood Hazard Zone X</p>
	<p>GENERAL STRUCTURES</p> <p>Channel, Culvert, or Storm Sewer</p> <p>Levee, Dike, or Floodwall</p>
	<p>OTHER FEATURES</p> <p>Cross Sections with 1% Annual Chance Water Surface Elevation</p> <p>Coastal Trench</p> <p>Base Flood Elevation Line (BFE)</p> <p>Limit of Study</p> <p>Jurisdiction Boundary</p> <p>Coastal Trench Baseline</p> <p>Profile Baseline</p> <p>Hydrographic Feature</p>
MAP PANELS	<p>Digital Data Available</p> <p>No Digital Data Available</p> <p>Unmapped</p> <p>The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.</p>

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 for unmapped and unmodernized areas cannot be used for regulatory purposes.



DARREN S. WELLS  
REGISTERED  
No.  
10100200  
STATE OF  
INDIANA  
PROFESSIONAL ENGINEER

Signature	Date
-----------	------

**TOWN OF BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA**

**PROJECT #24-012-WW  
(CONTRACT 3)**

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**Indiana811**

Know what's below. 811 before you dig.

1-800-382-5544  
(ITS THE LAW)

[illegible]

Designed By: DSW	Drawn By: JAJ	Checked By: ACC
Issue Date: 05-22-25	Project No: S24211	Scale: AS SHOWN

## SWPPP NOTES & FIGURES

Drawing No:

## EC2

Sheet: 27 OF 49





















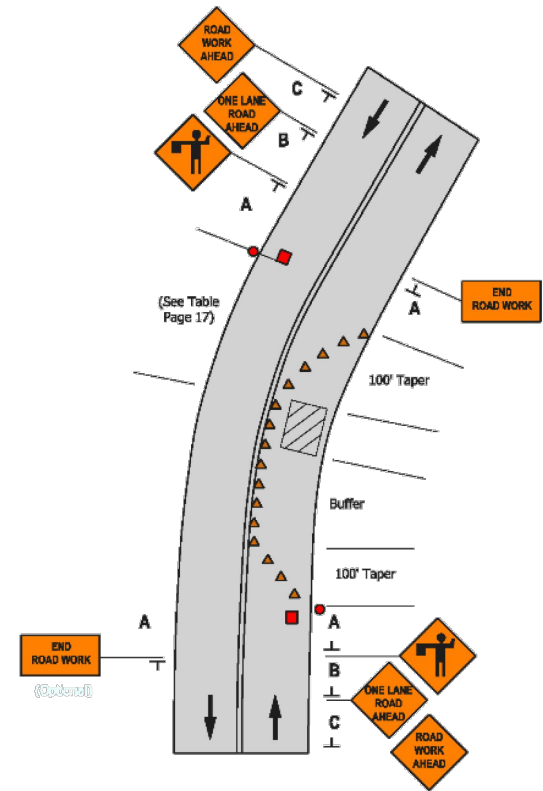






FILE: Z:\SHARED\CLIENTS\4\BROWNSBURG\024211\WATER\WATER PROJECTS\2024-2025\CADD\CURRENT FILES\DRAWINGS\LIFT STATION\PROJECT\05-DETAILS.DWG  
Saved: 5/12/2025 3:39:42 PM  
Plotted: 5/12/2025 3:46:54 PM  
Current User: Jay Johnson  
Last Saved By: jayjohnson

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

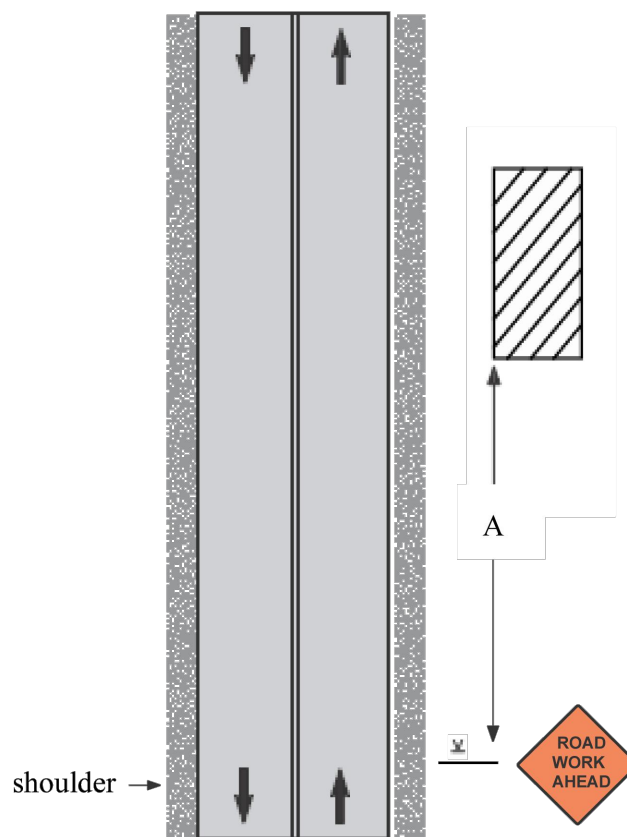


Notes:

- The flaggers shall use approved flagging procedures according to the MUTCD and as shown on pg. 77.
- 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.
- 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 distance for the flagger.
- If portable rumble strips are used, they must be placed adjacent to the ONE LANE ROAD AHEAD signs.

Speed Limit (mph)	Sign Spacing (ft.)			Buffer (ft.)
	A	B	C	
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
55	500	500	500	520
60	1000	1600	2640	600

Work off the Traveled Lanes  
Includes Paved Shoulder < 8ft.  
(Short Term Stationary - 1 to 12 hours)

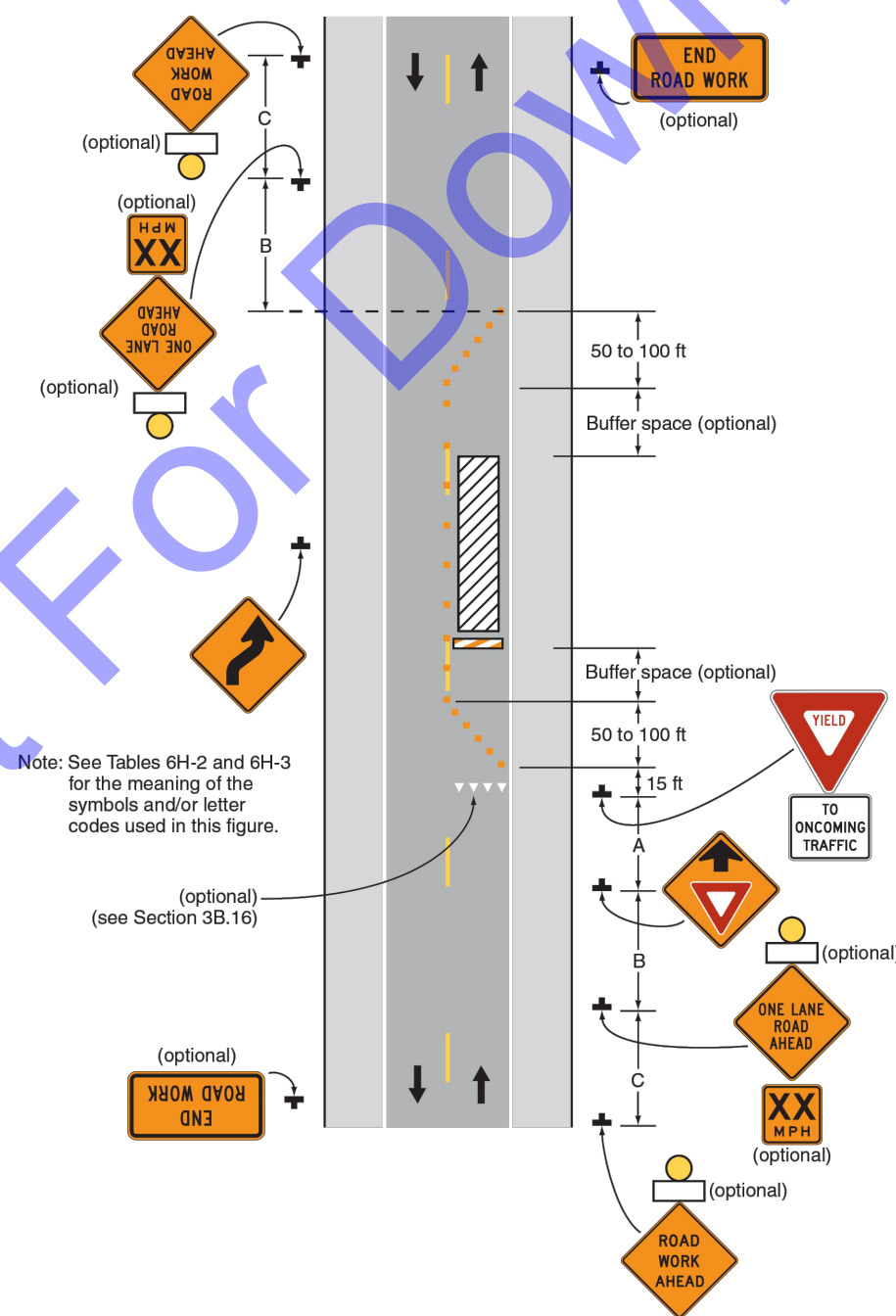


Notes:

- Other acceptable advance warning signs are those indicating SHOULDER WORK, UTILITY WORK AHEAD, or the WORKERS sign.
- An advance warning sign should be used; if the work will be performed immediately adjacent to the shoulder, if equipment will cross or move along the roadway, or if the activity may distract motorists.
- Warning signs may be eliminated if the workspace is behind a barrier, more than 2 feet behind a curb, or 15 feet or more from the edge of any traveled lane.
- For work beyond the shoulder, all warning signs and channelizing devices are optional if a vehicle with activated warning lights is used.

Speed Limit (mph)	Sign Spacing A (ft.)
25	100
30	100
35	350
40	350
45	500
50	500
55	500
60	1000

Figure 6H-11. Lane Closure on a Two-Lane Road with Low Traffic Volumes (TA-11)



FOR LOW SPEED URBAN CONDITIONS *	FOR HIGH SPEED URBAN CONDITIONS *
A=100 FT.	A=350 FT.
B=100 FT.	B=350 FT.
C=100 FT.	C=350 FT.
L=350 FT.	L=350 FT.

\* SPEED CATEGORY SHALL BE DETERMINED BY HIGHWAY AGENCY

NOTES:

- TRAFFIC CONTROL PLANS ARE GUIDELINES ONLY. ALL TRAFFIC CONTROL PLANS AND LANE CLOSURES MUST BE APPROVED BY THE OWNER AND APPROPRIATE AGENCY.
- 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.
- THE "ROAD WORK AHEAD" AND THE "END ROAD WORK" SIGNS MAY BE OMITTED FOR SHORT-DURATION OPERATIONS IF APPROVED BY OWNER.
- 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.
- 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.
- AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED, EXCEPT IN EMERGENCIES.
- WHEN USED, THE "BE PREPARED TO STOP" SIGN SHOULD BE LOCATED BETWEEN THE "FLAGGER" SIGN AND THE "ONE LANE ROAD" SIGN.
- PROVIDE UTILITY WORK SIGNAGE WHEN WORKING IN RIGHT-OF-WAY, BUT NOT CLOSING ROAD OR LANE.

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

NOTES:

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

\* SPEED CATEGORY SHALL BE DETERMINED BY HIGHWAY AGENCY

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

No.	Submittal / Revision	By	Date

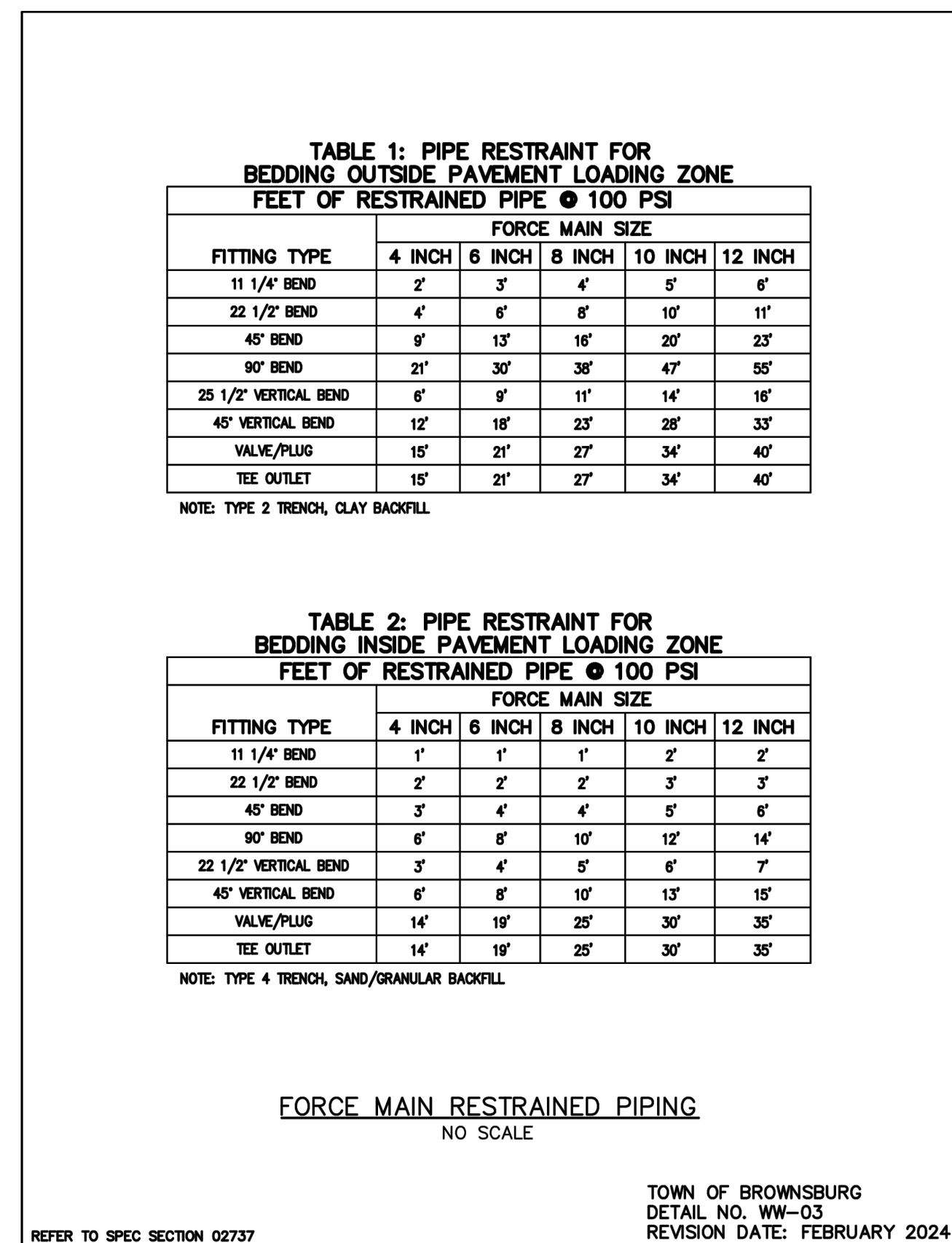
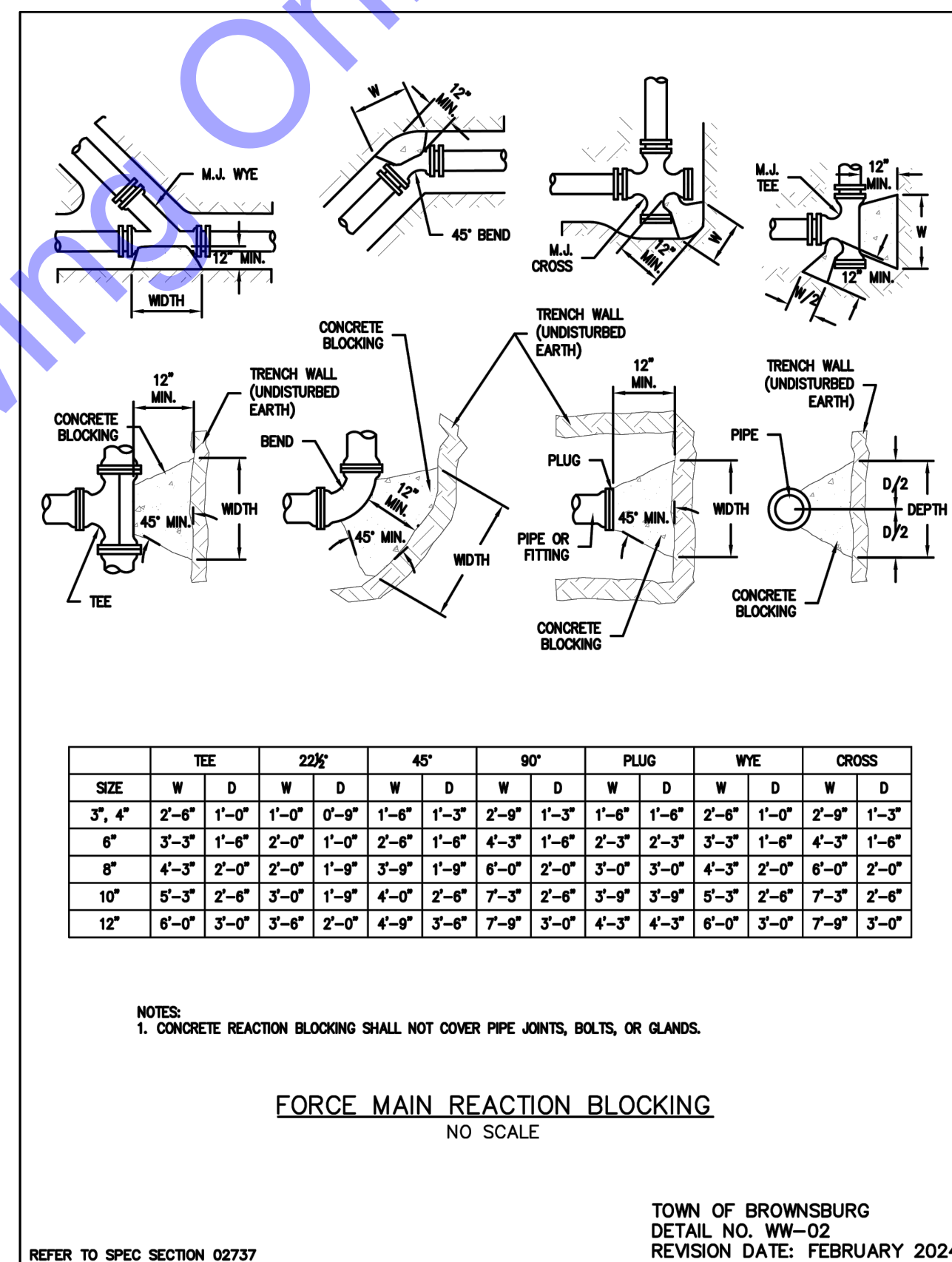
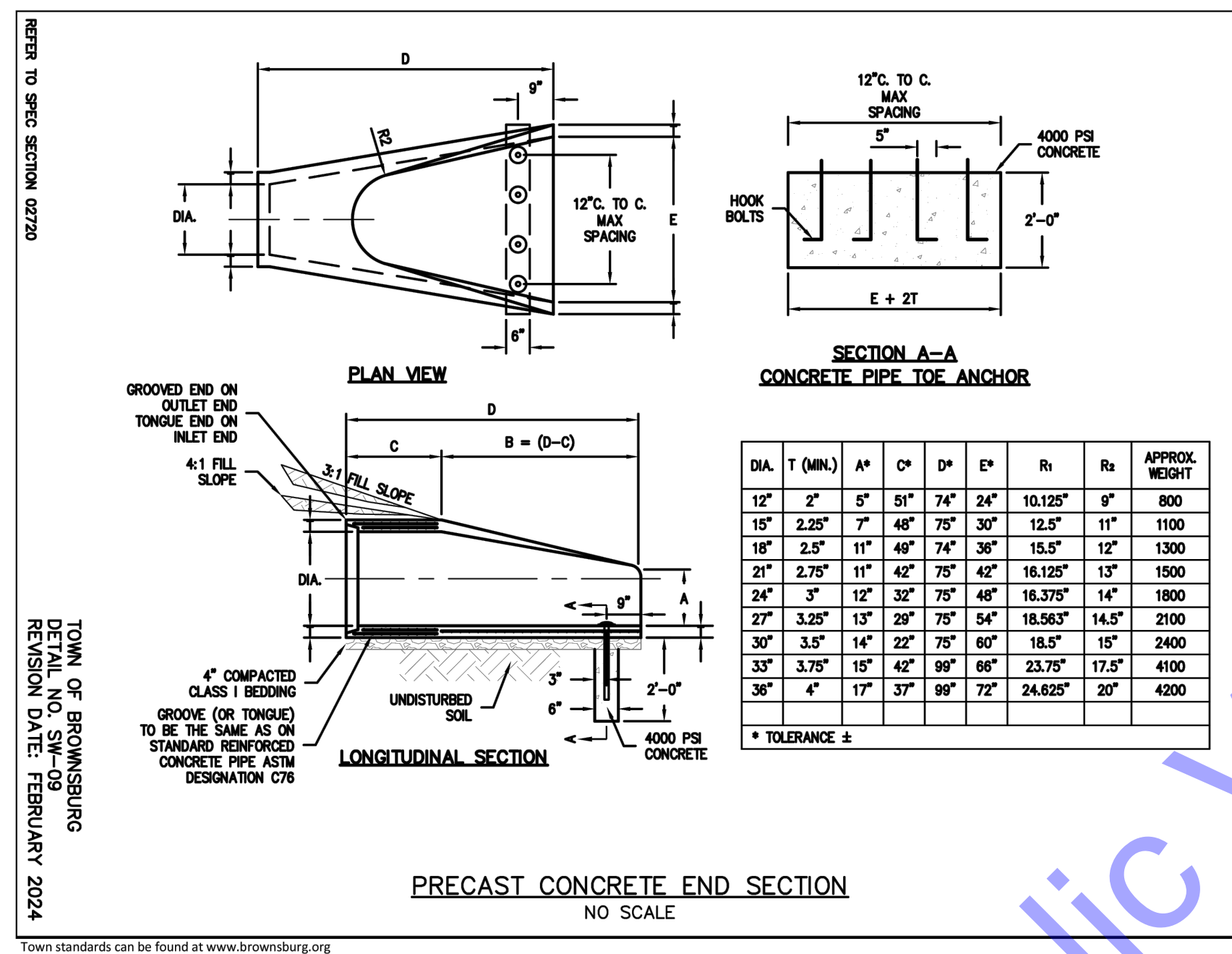
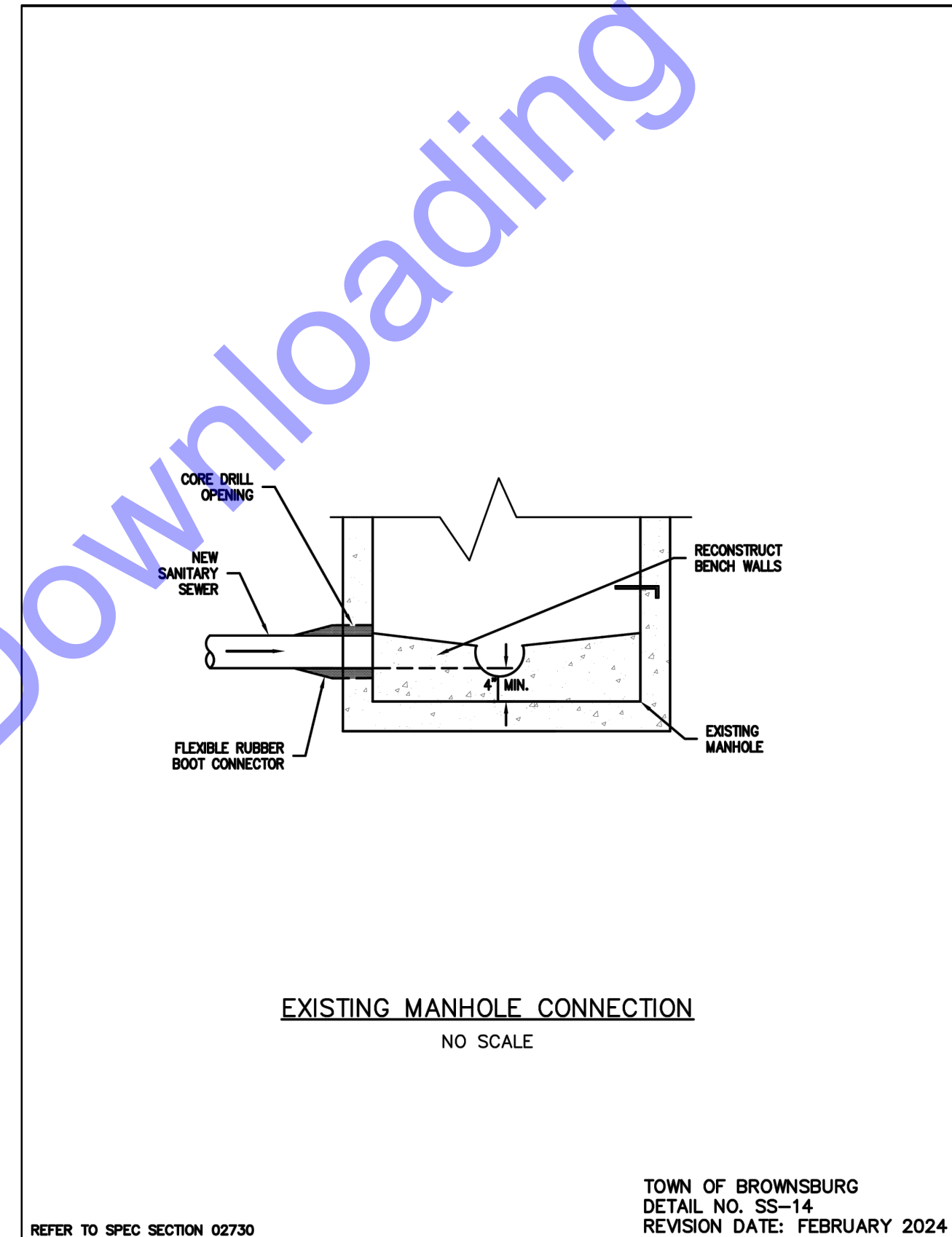
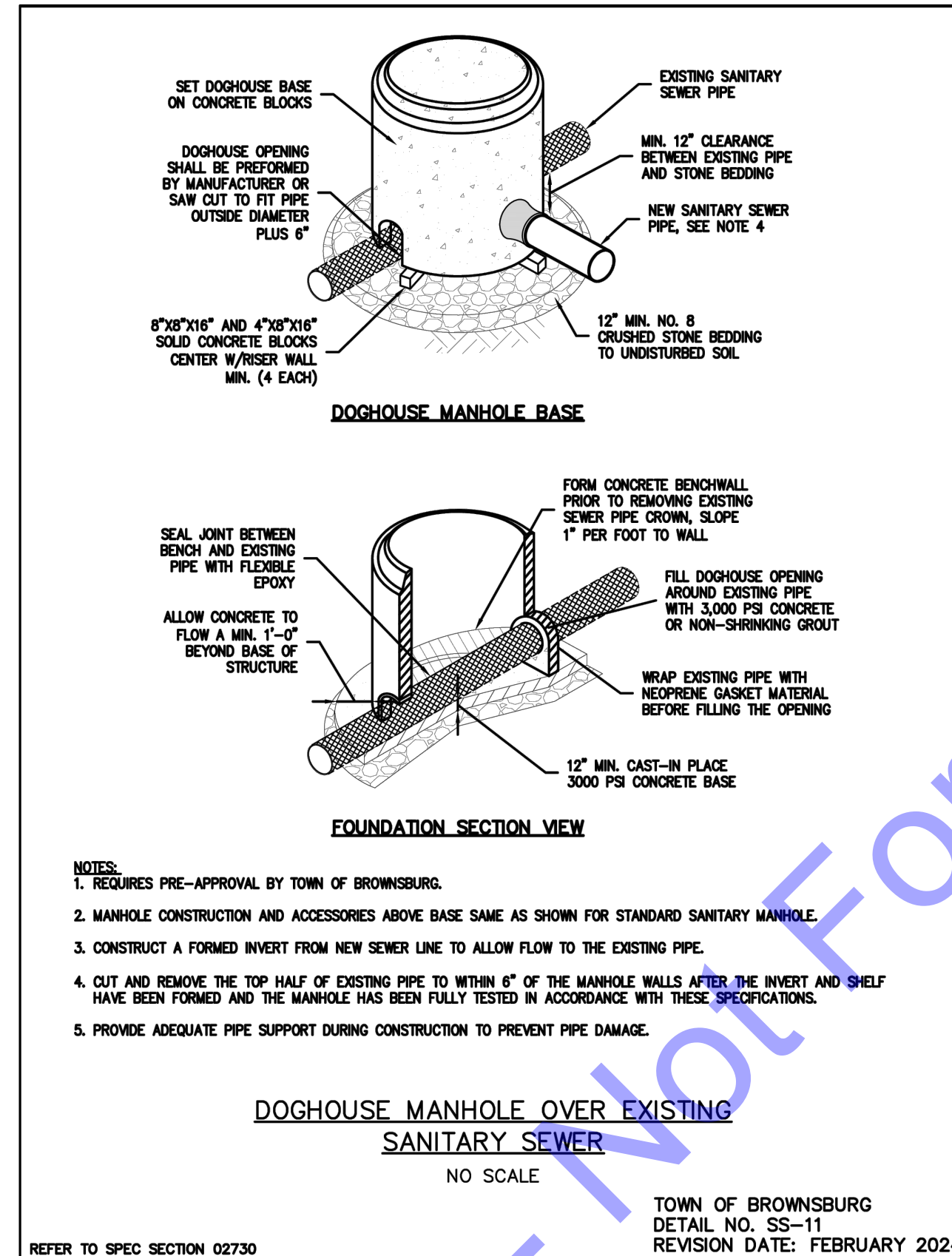
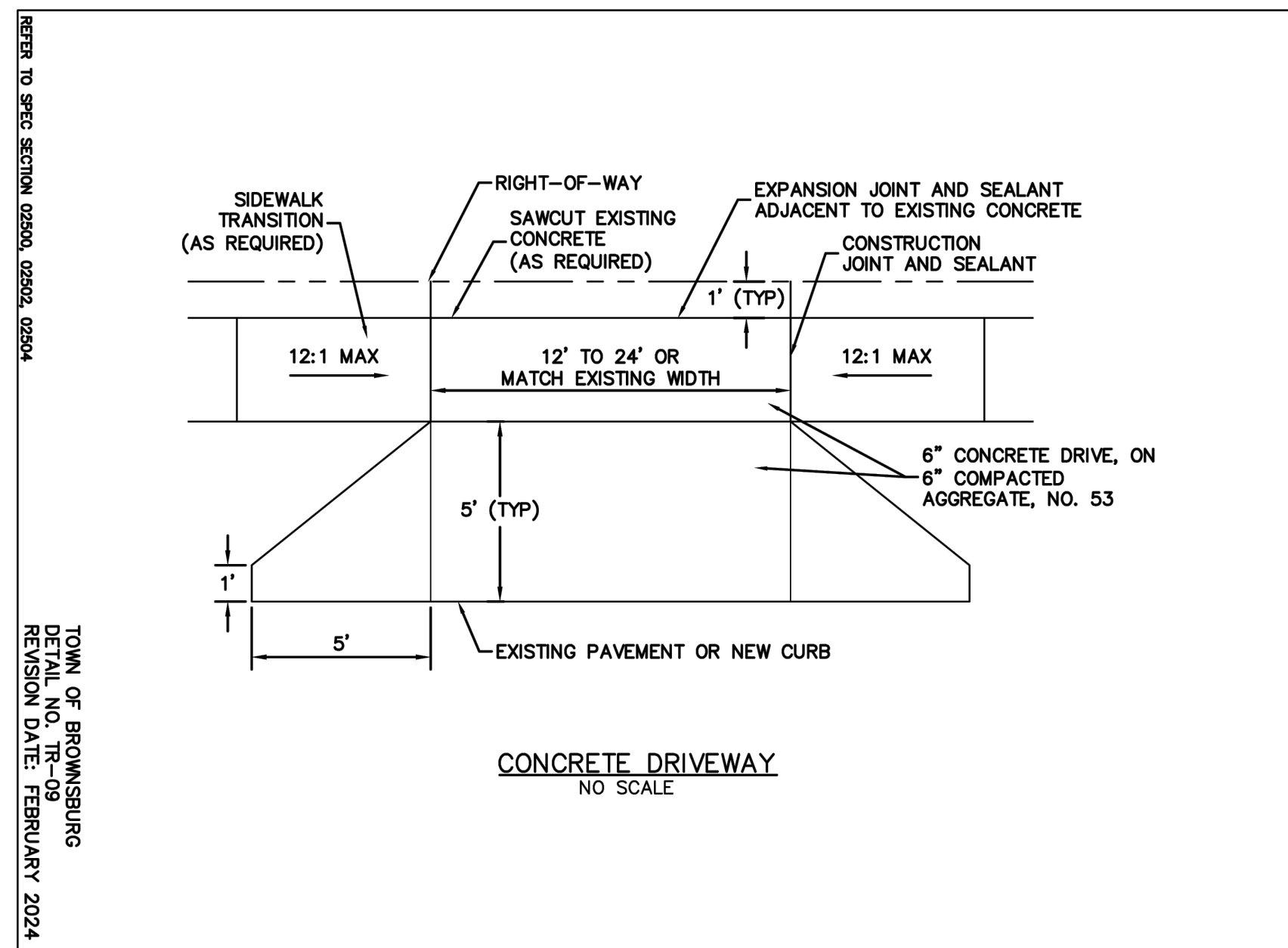
Designed By: DSW	Drawn By: JAJ	Checked By: ACC
Issue Date: 05-22-25	Project No: S24211	Scale: AS SHOWN

MISCELLANEOUS  
DETAILS II







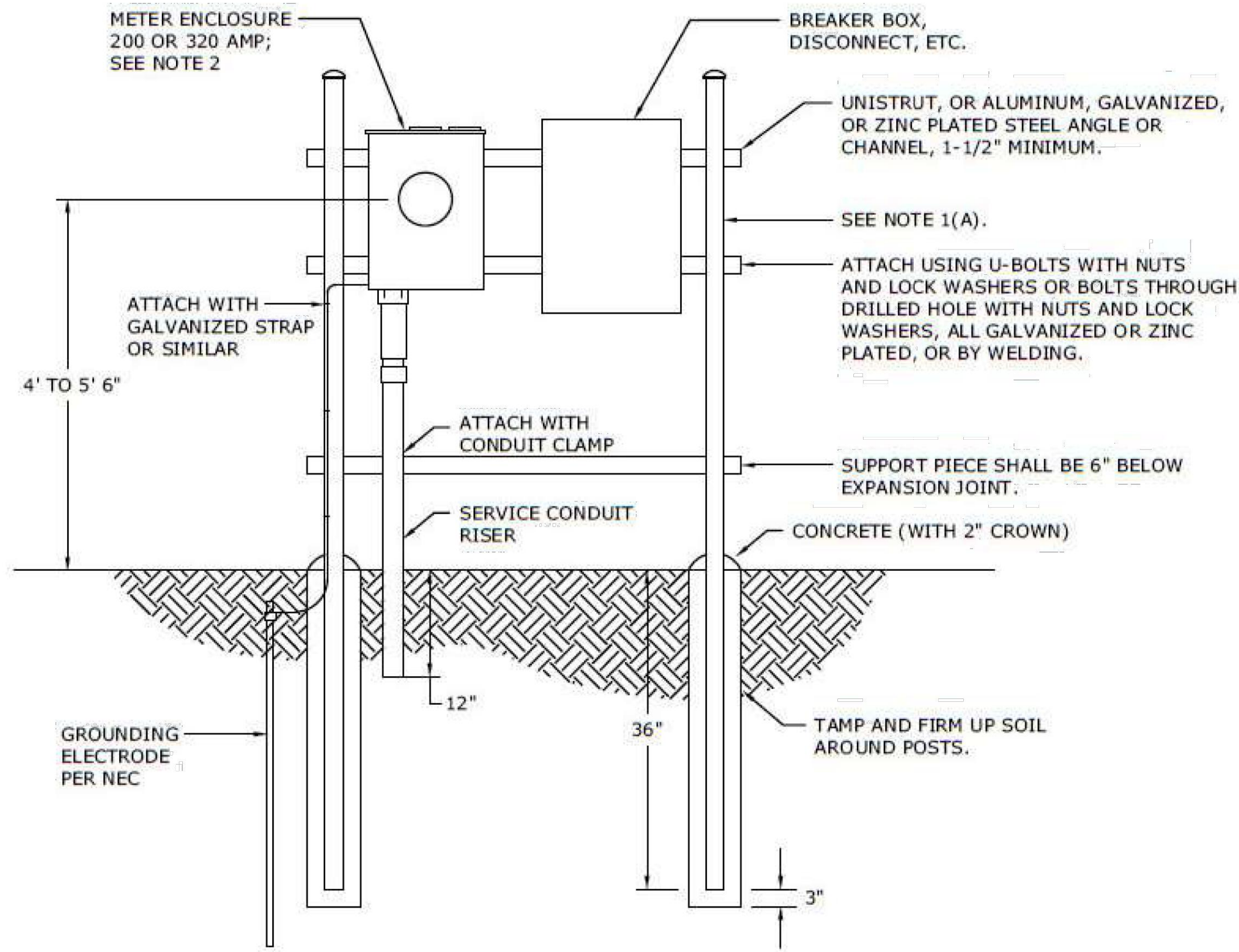








File: Z:\SHARED\CLIENTS\ALBROWNSBURG\024211 WASTE WATER PROJECTS\024-25\08 CAD\MECH-ELECT\024211 CONTRACT 3-ELECTRICAL.DWG  
Saved: 5/2/2025 11:27:32 AM Plotter: 5/2/2025 11:28:01 AM Current User: Steve Dugan Last Saved By: sdugan



1. CUSTOMER WILL FURNISH AND INSTALL:

- (A) H-FRAME POSTS SHALL BE 2" PIPE OR LARGER WITH END CAPS, 2" (OD) OR LARGER TUBING WITH END CAPS, OR 2" OR LARGER CHANNEL, OR EQUIVALENT, ALL GALVANIZED, ZINC PLATED, OR ALUMINUM.
- (B) H-FRAME POSTS SHALL BE SUPPORTED IN PROPER CONCRETE FOOTERS EXTENDING BELOW THE FROST LINE.
- (C) SERVICE GROUND IN ACCORDANCE WITH NEC.
- (D) ALL EQUIPMENT, MOUNTING HEIGHTS, AND CLEARANCES BEYOND THE METER SOCKET IN ACCORDANCE WITH NEC.
- (E) ALL CONNECTIONS IN ACCORDANCE WITH NEC.
- (F) MOBILE HOME SERVICES - H-FRAME SHALL BE INSTALLED 18" MIN. FROM THE MOBILE HOME FOR MOUNTING THE SERVICE RISER, METER SOCKET, AND SERVICE EQUIPMENT. METERING EQUIPMENT SHALL FACE AWAY FROM MOBILE HOME SUCH THAT METER IS EASILY READABLE AND ACCESSIBLE. OTHER CONSTRUCTION IS PERMISSIBLE WITH DISTRIBUTION ENGINEERING APPROVAL.

2. CUSTOMER WILL FURNISH, INSTALL, AND OWN METER SOCKET. TOP OF SOCKET MUST BE LEVEL FRONT TO FRONT TO BACK AND SIDE TO SIDE.

3. SPACE BETWEEN SUPPORTS SHOULD BE A MINIMUM AREA OF 2' H X 3' W (SELF-CONTAINED) AND 5' H X 4' W (CT CABINET).

4. MINIMUM OF TWO CORNER POSTS.

5. FASTENERS MUST BE WEATHER RESISTANT AND OF ADEQUATE LENGTH TO SECURE THE STRUCTURE AND ATTACHMENTS.

ELECTRICAL NOTES:

1. DUKE ENERGY DRAWING IS ATTACHED AS A REFERENCE ONLY FOR 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.
- A. ARBUCKLE ACRES LIFT STATION.  
B. HORNADAY LIFT STATION.  
C. SCHOOL LIFT STATION.
2. THE FOLLOWING LIFT STATION ELECTRICAL SERVICE METER BASES SHALL REMAIN AS CURRENT.
- A. LOCUST LANE LIFT STATION.  
B. HYDE PARK LIFT STATION.

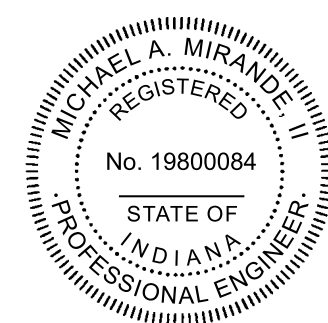
3				
2				
1				
0	11/15/18	DIETERLE	BRUINS	ADCOCK
REVISED	BY	CK'D	APPR.	

UNDERGROUND PERMANENT SERVICE  
H-FRAME STRUCTURE MOUNTED



DEC	DEM	DEP	DEF
	X		

FIG 47



Signature: Michael A. Miranda, P.E. Date: 05/21/2025

TOWN OF  
BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA  
PROJECT #24-012-WW  
(CONTRACT 3)



No.	Standard / Revision	By	Date

Designed By: SD	Drawn By: SD	Checked By: MAM
Issue Date: 05/22/25	Project No: S24211	Scale: AS SHOWN

DUKE METER FRAME  
DETAILS

Drawing No:

E1-0

Sheet: 38 OF 49





SCALE: 1"=10'-0"

0 10' 20'

A horizontal graphic scale bar with alternating black and white segments. It is marked with '0' at the left end, '10'' in the middle, and '20'' at the right end.

SCALE: 1"=10'-0"

0 10' 20'

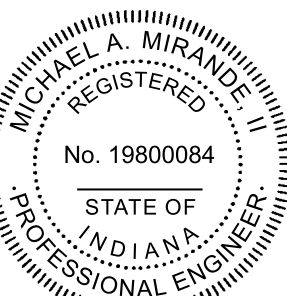
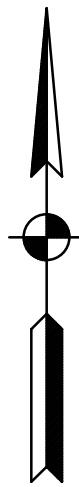
A horizontal graphic scale bar with alternating black and white segments. It is marked with '0' at the left end, '10'' in the middle, and '20'' at the right end.

## SHEET NOTES

1. ALL WORK SHOWN ON THIS SHEET IS SCOPE OF WORK FOR BASE BID.
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 OF EQUIPMENT.
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 ACCEPTABLE. ALL WIRES AND TERMINAL BLOCKS SHALL BE CLEARLY LABELED.
6. 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.

### PLAN NOTES

- |   |   |
|---|---|
| 1 | THE EXISTING LIFT STATION CONTROL PANEL SHALL BE DEMOLISHED COMPLETE.   |
| 2 | THE EXISTING METER, ELECTRICAL PANEL, TELEMETRY PANEL AND ANTENNA SHALL REMAIN AS IS AT BRICK STRUCTURE. .  |
| 3 | THE CONTRACTOR SHALL FURNISH AND INSTALL POWER/CONTROL CONDUIT AND WIRE FROM EXISTING ELECTRICAL PANEL AND TELEMETRY PANEL TO NEW PUMP MATE ENCLOSURE AND LIFT STATION CONTROL PANEL. |



Michael A. P. Jones II      05/21/2025  
Signature      Date

**TOWN OF  
BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA  
PROJECT #24-012-WW  
(CONTRACT 3)**

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

# LOCUST LANE LS ELECTRICAL DEMOLITION AND IMPROVEMENTS PLAN

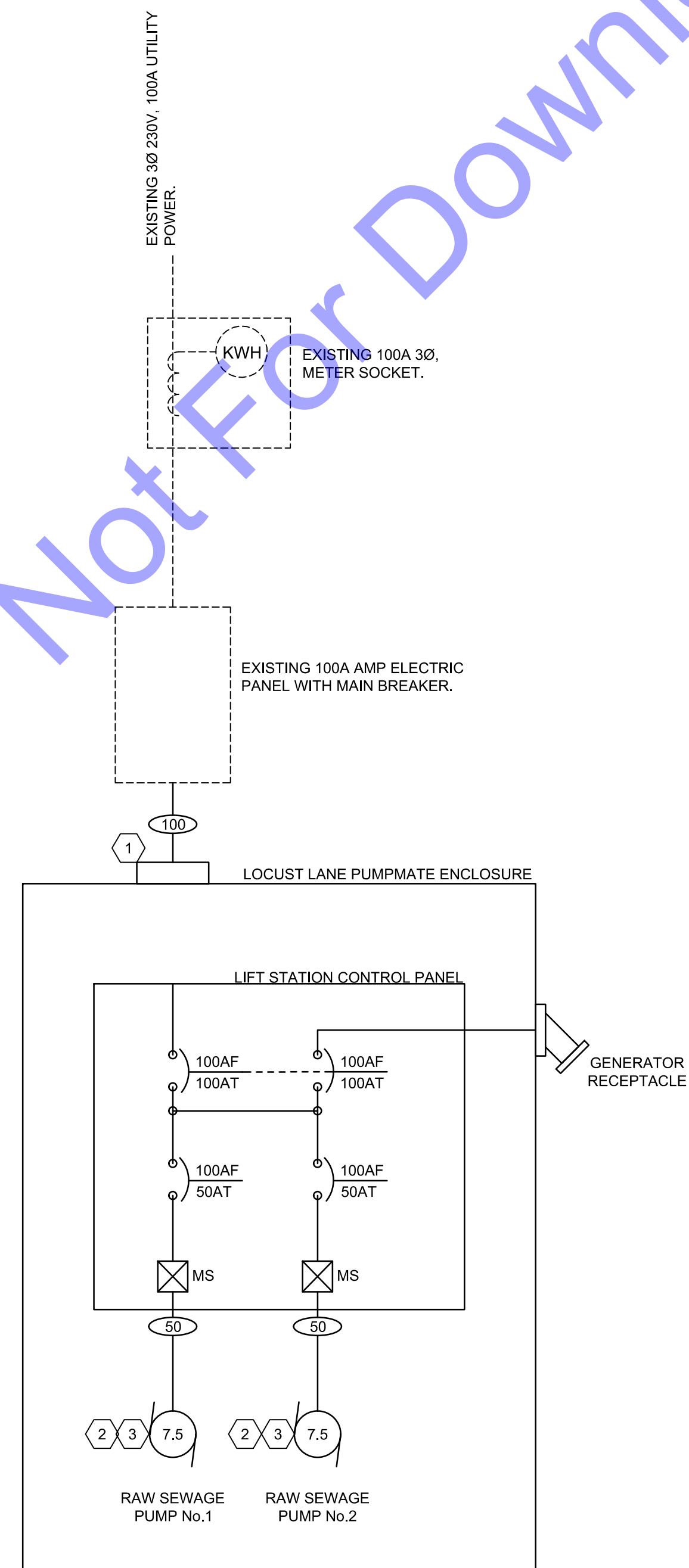
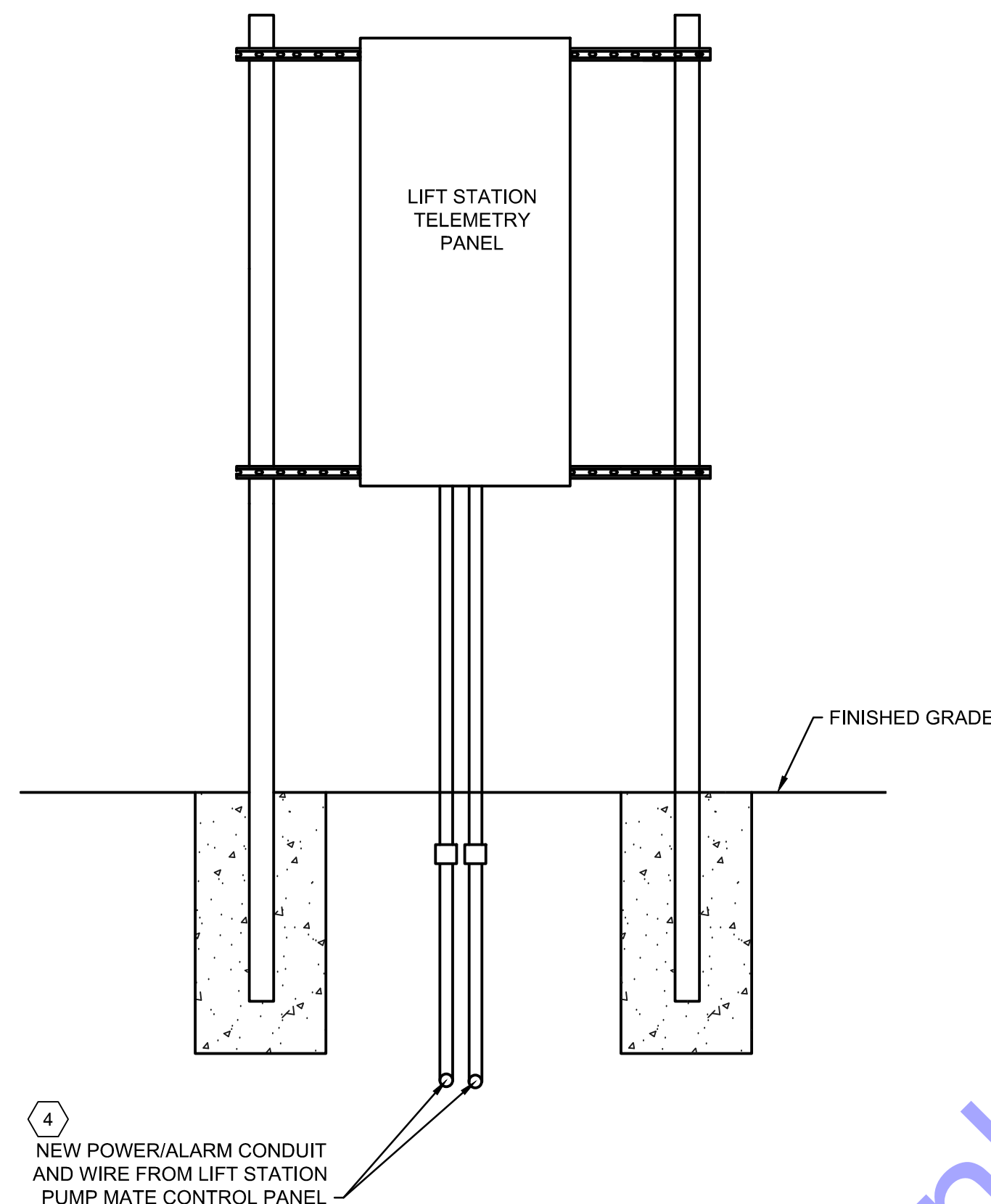
Drawing No:

**E1-1**

Sheet: 39 OF 49



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



## SHEET NOTES

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

## PLAN NOTES

- 1 THE CONTRACTOR SHALL FURNISH AND INSTALL NEW POWER CONDUIT AND WIRE BETWEEN THE EXISTING SERVICE BREAKER PANEL AND THE NEW PUMPMATE ENCLOSURE POWER CONNECTION.
- 2 THE CONTRACTOR SHALL FURNISH AND INSTALL ALL POWER/CONTROL CONDUITS AND WIRE BETWEEN THE NEW CONTROL PANEL AND PUMPS AND CONTROLS IN THE WET WELL.
- 3 WIRE PUMP SAFETIES AND LEVEL CONTROLS AS REQUIRED. COORDINATE WITH CONTRACTOR DURING BIDDING AND CONSTRUCTION. INTEGRATE PUMP SAFETY RELAYS INTO CONTROL PANEL AS REQUIRED BY PUMP MANUFACTURER.
- 4 THE CONTRACTOR SHALL FURNISH AND INSTALL POWER/CONTROL CONDUIT 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 WTPP TELEMETRY SYSTEM. THE CONTRACTOR SHALL INCLUDE ALL HARDWARE AND PROGRAMMING COSTS AS PART OF THEIR BID PACKAGE.



Signature Michael A. Monte II Date 05/21/2025

**TOWN OF  
BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA  
PROJECT #24-012-WW  
(CONTRACT 3)**

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

## LOCUST LANE LS RISER DIAGRAM

Drawing No:

**E1-2**

Sheet: 40 OF 49





## EX. ELECTRICAL AND CONTROL PANELS

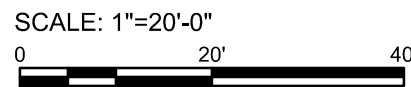


### EX. UTILITY TRANSFORMER TO PARK SERVICE



## LIFT STATION METER BASE AT ARBUCKLE ACRES PARK

SCALE: 1"=20'-0"

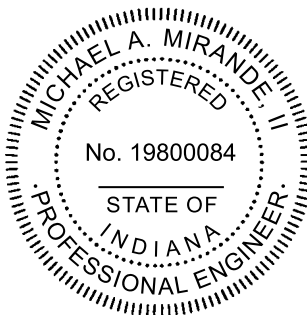


SCALE: 1"=20'-0"

- ## SHEET NOTES
1. ALL WORK SHOWN ON THIS SHEET IS SCOPE OF WORK FOR BASE BID.
  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 OF EQUIPMENT.
  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 ACCEPTABLE. ALL WIRES AND TERMINAL BLOCKS SHALL BE CLEARLY LABELED.
  6. THE PUMP STATION WET WELL IS CLASSIFIED AS CLASS 1, DIVISION 1, GROUP D PER NFPA 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.

## PLAN NOTES

- 1 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.
- 2 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 ACRES LIFT STATION.
- 3 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 ENCLOSURE AND LIFT STATION CONTROL PANEL.
- 4 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 CONTRACTOR SHALL DETAIL THE LOCATION OF CONDUIT ON AS BUILT DRAWINGS.



Michael A. Ponder II  
Signature Date 05/21/2025

**TOWN OF  
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HENDRICKS COUNTY,  
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(CONTRACT 3)**

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Designed By: SD	Drawn By: SD	Checked By: MAM
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Issue Date:	Project No:	Scale:
<b>05/22/25</b>	S24211	AS SHOWN

ARBUCKLE ACRES LS  
ELECTRICAL  
DEMOLITION AND  
IMPROVEMENTS PLAN

Drawing No:

# E2-C

Sheet: 41 OF 49









A photograph of a utility pole in a grassy field. A black arrow points from the right side of the frame towards the pole. The background shows a clear blue sky with scattered white clouds, bare trees, and a residential street with houses. The shadow of the pole is cast on the grass in the foreground.

SCALE: 1"=20'-0"

0 20' 40'

A horizontal scale bar with alternating black and white segments. It is marked with '0' at the left end, '20'' at the midpoint, and '40'' at the right end.

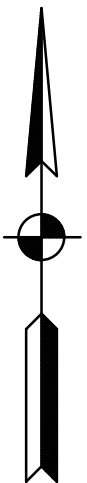
SCALE: 1"=20'-0"

0 20' 40'

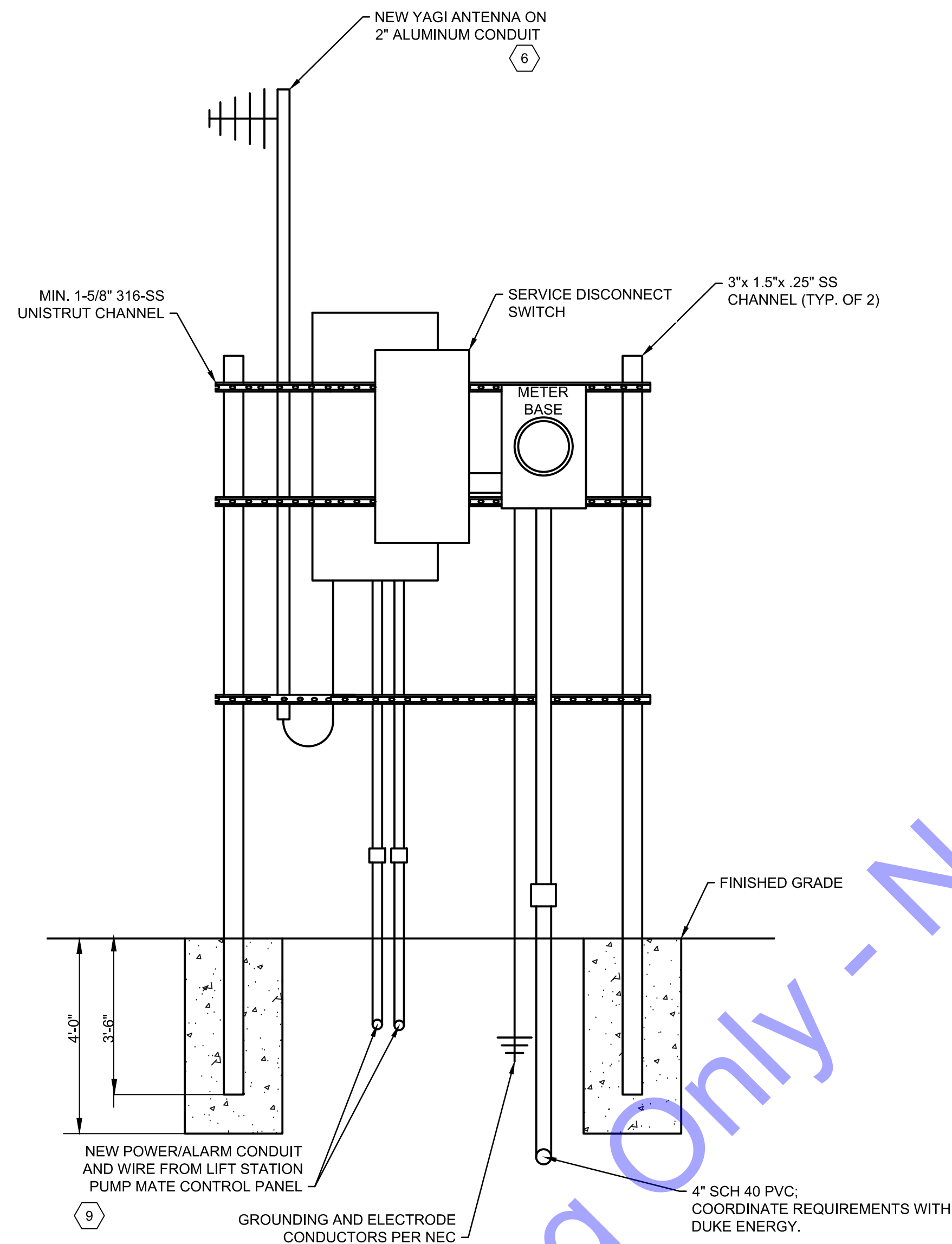
A horizontal scale bar with alternating black and white segments. It is marked with '0' at the left end, '20'' at the midpoint, and '40'' at the right end.

1. ALL WORK SHOWN ON THIS SHEET IS SCOPE OF WORK FOR MA-1.
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 OF EQUIPMENT.
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 ACCEPTABLE. ALL WIRES AND TERMINAL BLOCKS SHALL BE CLEARLY LABELED.
6. 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.

- 1 THE EXISTING LIFT STATION METER BASE AND CONTROL PANEL SHALL BE DEMOLISHED COMPLETE. THE EXISTING TELEMETRY PANEL SHALL BE RELOCATED. EXISTING SERVICE DISCONNECT SHALL BE REINSTALLED AT NEW ELECTRICAL METER STRUCTURE.
- 2 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. DUKE ENERGY METER NUMBER-CL 320 321 131-002.
- 3 THE EXISTING UTILITY TRANSFORMERS ARE LOCATED ON THE SW SIDE OF HORNADAY ROAD APPROXIMATELY ONE BLOCK SOUTH OF ACCESS DRIVE TO LIFT STATION. THE CONTRACTOR SHALL INTERCEPT THE EXISTING UNDERGROUND CONDUIT FROM UTILITY POLE AND INSTALL PROPERLY SIZED QUAZITE YARD BOX RATED FOR THE AREA TRAFFIC EAST OF THE NEW PUMP MATE STRUCTURE WITH UNDERGROUND SPlice CONNECTIONS TO RE-POWER THE NEW PUMP MATE ENCLOSURE. THE CONTRACTOR SHALL MAINTAIN REQUIRED CLEARANCES BETWEEN UTILITIES PER NATIONAL AND LOCAL CODES.
- 4 THE EXISTING TELEMETRY PANEL SHALL BE RELOCATED AS SHOWN ON DRAWING. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW YAGI ANTENNA AND ANTENNA CABLE. ANTENNA SHALL BE MOUNTED ON 20' X 2" ALUMINUM CONDUIT FASTENED TO NEW TELEMETRY STRUCTURE WITH STAINLESS STEEL MOUNTING HARDWARE. NEW ANTENNA SHALL FACE THE ELEVATED TANK.
- 5 THE CONTRACTOR SHALL FURNISH AND INSTALL NEW POWER CONDUIT AND WIRE BETWEEN THE NEW SERVICE DISCONNECT SWITCH AND THE NEW PUMP MATE ENCLOSURE POWER CONNECTION.
- 6 THE CONTRACTOR SHALL FURNISH AND INSTALL POWER/CONTROL CONDUIT AND WIRE FROM RELOCATED TELEMETRY ALARM PANEL TO NEW PUMP MATE CONTROL PANEL..







## METER & TELEMETRY PANEL STRUCTURE DETAIL

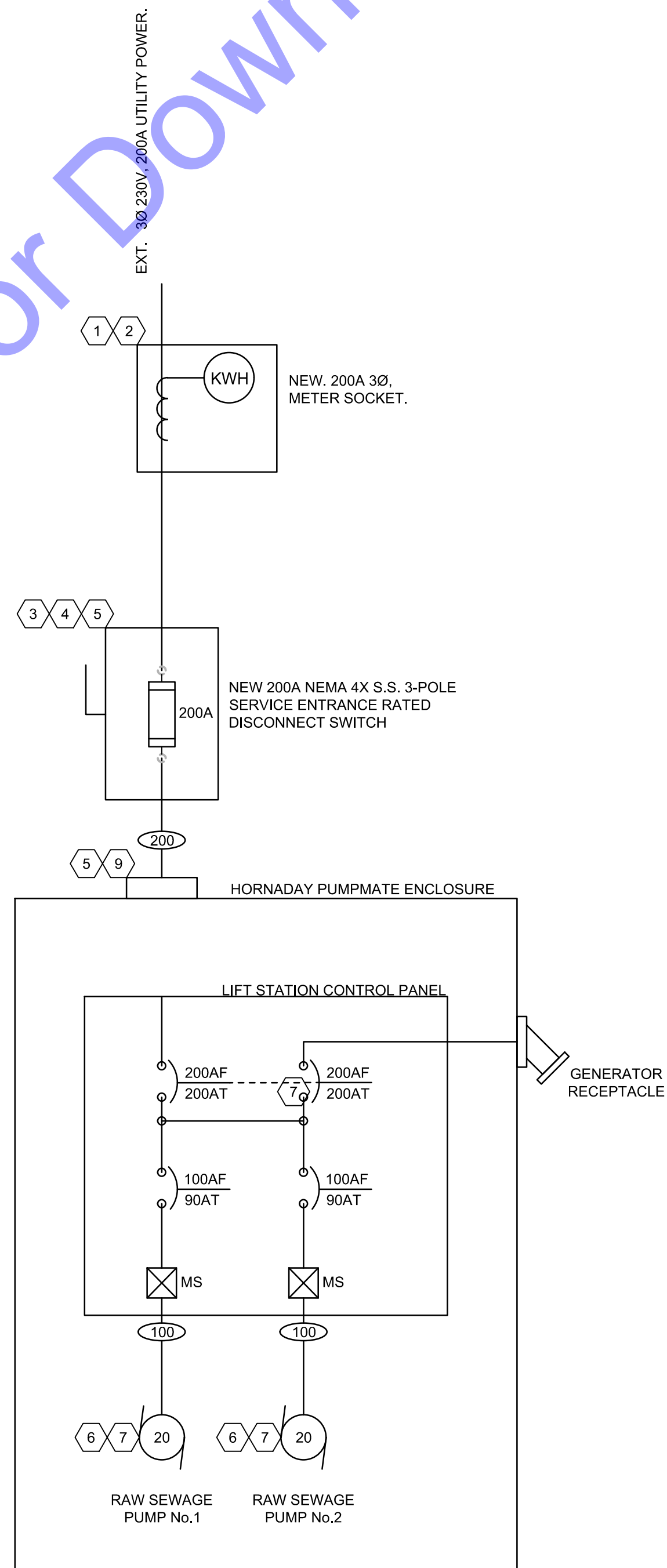
## SHEET NOTES

1. ALL WORK SHOWN ON THIS SHEET IS SCOPE OF WORK FOR MA-1.

PLAN NOTES:

- 1 THE EXISTING LIFT STATION METER BASE AND CONTROL PANEL SHALL BE DEMOLISHED COMPLETE.
- 2 THE CONTRACTOR SHALL FURNISH AND INSTALL NEW H FRAME MOUNTING STRUCTURE FOR THE 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 NEW ELECTRICAL SERVICE. DUKE ENERGY METER NUMBER-CL 320 321 131 002.
- 3 THE CONTRACTOR SHALL FURNISH AND INSTALL 240 VAC/3-PHASE, 200-AMP, NEMA 4X STAINLESS STEEL DISCONNECT SWITCH.
- 4 THE CONTRACTOR SHALL FURNISH AND INSTALL NEW GROUNDING PER NEC.
- 5 THE CONTRACTOR SHALL FURNISH AND INSTALL NEW POWER CONDUIT AND WIRE BETWEEN THE NEW SERVICE DISCONNECT SWITCH AND THE NEW PUMP/MATE ENCLOSURE POWER CONNECTION.
- 6 THE CONTRACTOR SHALL FURNISH AND INSTALL ALL POWER/CONTROL CONDUITS AND WIRE BETWEEN THE NEW CONTROL PANEL AND ALL ELECTRICAL PUMPS AND CONTROLS IN THE WET WELL.
- 7 WIRE PUMP SAFETIES AND LEVEL CONTROLS AS REQUIRED. COORDINATE WITH CONTRACTOR DURING BIDDING AND CONSTRUCTION. INTEGRATE PUMP SAFETY RELAYS INTO CONTROL PANEL AS REQUIRED BY PUMP MANUFACTURER.
- 8 THE EXISTING TELEMETRY PANEL SHALL BE 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 20' X 2" ALUMINUM CONDUIT FASTENED TO NEW TELEMETRY STRUCTURE WITH STAINLESS STEEL MOUNTING HARDWARE.
- 9 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.

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



Signature Michael A. Monte II Date 05/21/2025

**TOWN OF  
BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA  
PROJECT #24-012-WW  
(CONTRACT 3)**

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1-800-382-5544  
(ITS THE LAW)

[illegible]

Designed By: SD	Drawn By: SD	Checked By: MAM
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Issue Date: 05/22/25	Project No: S24211	Scale: AS SHOWN
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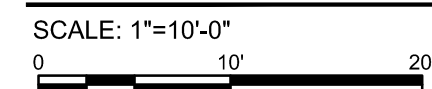
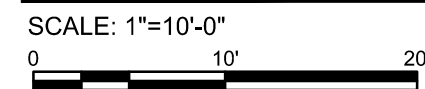
HORNADAY LS RISER  
DIAGRAM

Drawing No:

**E3-1**

Sheet: 44 OF 49



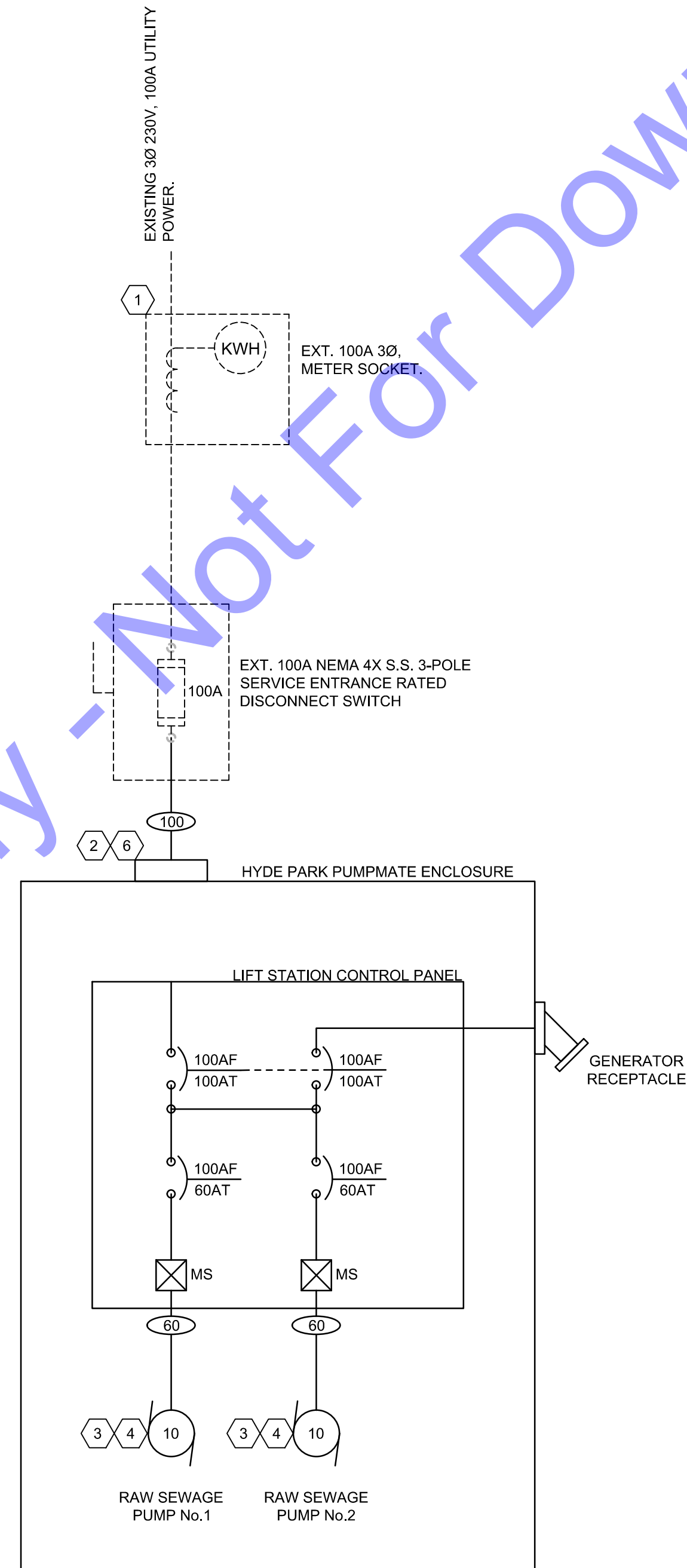
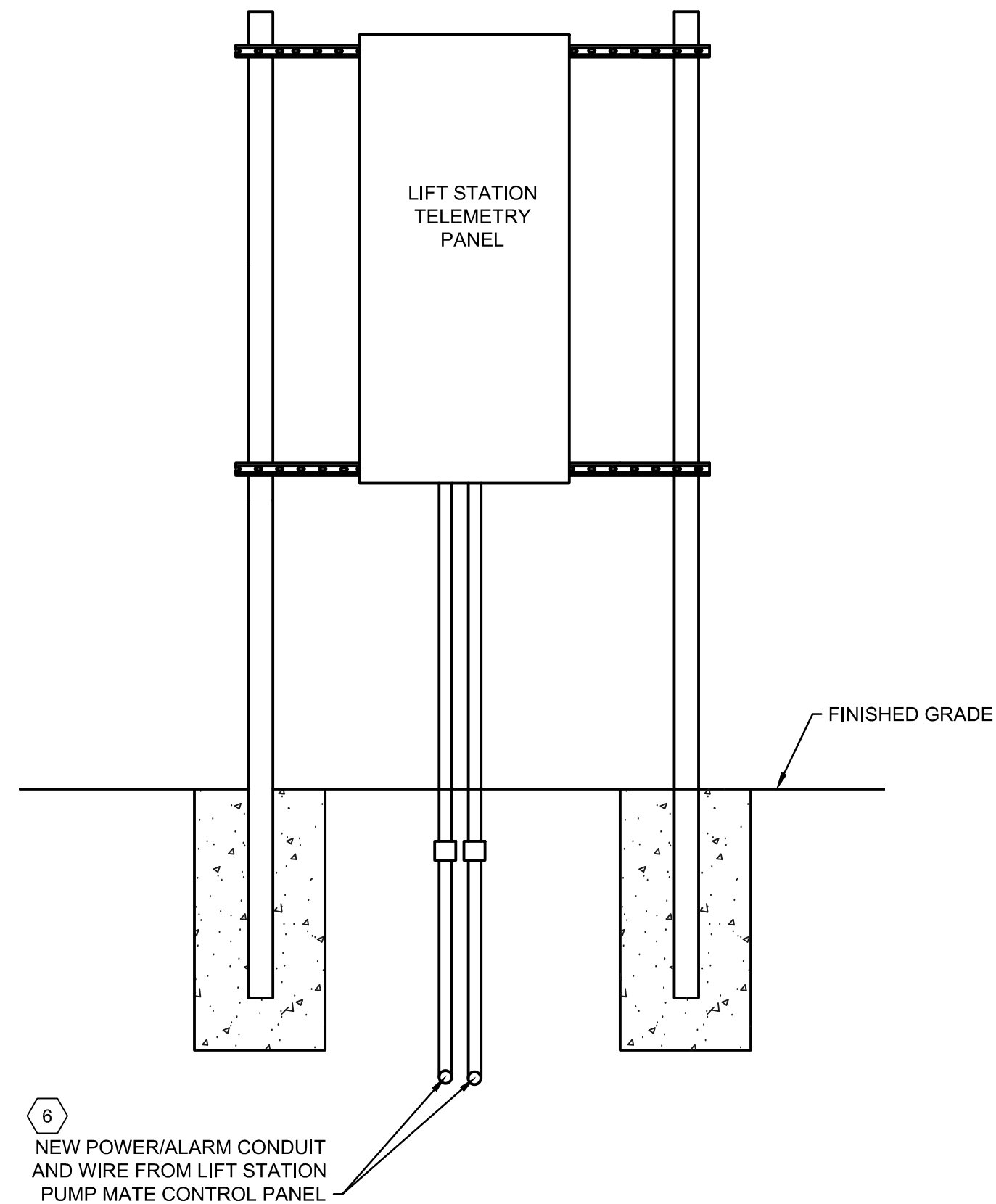


- 1 THE EXISTING LIFT STATION CONTROL PANEL SHALL BE DEMOLISHED COMPLETE.
- 2 THE EXISTING TELEMETRY PANEL AND ANTENNA SHALL REMAIN AT THE CURRENT LOCATION.
- 3 THE CONTRACTOR SHALL REPLACE THE MOUNTING STRUCTURE FOR THE SERVICE DISCONNECT AND METER BASE. DUKE ENERGY STRUCTURE DETAIL IS SHOWN ON ELECTRICAL DRAWING E1-0 AS A REFERENCE ONLY. COORDINATE WITH DUKE ENERGY FOR EXACT MOUNTING REQUIREMENTS. DUKE ENERGY METER NUMBER-CL 320 321 131 003.
- 4 THE CONTRACTOR SHALL FURNISH AND INSTALL NEW POWER CONDUIT AND WIRE BETWEEN THE EXISTING SERVICE DISCONNECT SWITCH AND THE NEW PUMP MATE ENCLOSURE POWER CONNECTION.
- 5 THE CONTRACTOR SHALL FURNISH AND INSTALL POWER/CONTROL CONDUIT AND WIRE FROM RELOCATED TELEMETRY ALARM PANEL TO NEW PUMP MATE CONTROL PANEL...

[illegible]



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



## SHEET NOTES

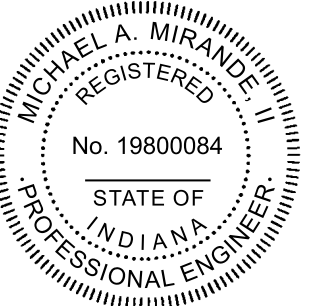
1. ALL WORK SHOWN ON THIS SHEET IS SCOPE OF WORK FOR MA-2.

PLAN NOTES:

- 1 THE CONTRACTOR SHALL FURNISH AND INSTALL NEW H-FRAME MOUNTING STRUCTURE FOR THE ELECTRICAL SERVICE FOR THE RELOCATED HYDE PARK LIFT STATION. COORDINATE WITH DUKE ENERGY FOR EXACT REQUIREMENTS. REFERENCE DETAIL SHOWN ON E1-0. DUKE METER NUMBER IS CL 320-321-131-003.
- 2 THE CONTRACTOR SHALL FURNISH AND INSTALL NEW POWER CONDUIT AND WIRE BETWEEN THE EXISTING SERVICE DISCONNECT SWITCH AND THE NEW PUMPMATE ENCLOSURE POWER CONNECTION.
- 3 THE CONTRACTOR SHALL FURNISH AND INSTALL ALL POWER/CONTROL CONDUITS AND WIRE BETWEEN THE NEW CONTROL PANEL AND ALL ELECTRICAL PUMPS AND CONTROLS IN THE WET WELL.
- 4 WIRE PUMP SAFETIES AND LEVEL CONTROLS AS REQUIRED. COORDINATE WITH CONTRACTOR DURING BIDDING AND CONSTRUCTION. INTEGRATE PUMP SAFETY RELAYS INTO CONTROL PANEL AS REQUIRED BY PUMP MANUFACTURER.
- 5 THE EXISTING TELEMETRY PANEL AND ANTENNA SHALL REMAIN AT THE 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.

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Saved: 5/21/2025 11:27:02 AM Plotted: 5/21/2025 11:29:08 AM Current User: Steve Dugan LastSavedBy: sdugan



<u>Michael A. P. Jones II</u>	<u>05/21/2025</u>
Signature	Date

**TOWN OF  
BROWNSBURG  
HENDRICKS COUNTY,  
INDIANA  
PROJECT #24-012-WW  
(CONTRACT 3)**

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

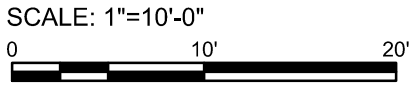
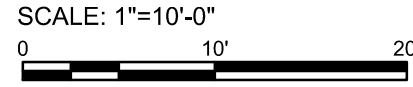
## HYDE PARK LS RISER DIAGRAM

Drawing No:

## E4-1




Sheet: 46 OF 49





1. ALL WORK SHOWN ON THIS SHEET IS SCOPE OF WORK FOR MA-3.
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 OF EQUIPMENT.
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 ACCEPTABLE. ALL WIRES AND TERMINAL BLOCKS SHALL BE CLEARLY LABELED.
6. 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.

- 1 THE EXISTING LIFT STATION METER BASE, AND CONTROL PANEL SHALL BE DEMOLISHED COMPLETE. EXISTING SERVICE DISCONNECT SHALL BE REINSTALLED AT NEW ELECTRICAL METER STRUCTURE. EXISTING TELEMETRY PANEL SHALL BE RELOCATED.
- 2 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. DUKE ENERGY METER NUMBER-CL 320 321 131 998.
- 3 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 FASTENED TO NEW TELEMETRY STRUCTURE WITH STAINLESS STEEL MOUNTING HARDWARE.
- 4 THE CONTRACTOR SHALL FURNISH AND INSTALL NEW POWER CONDUIT AND WIRE BETWEEN THE EXISTING SERVICE DISCONNECT SWITCH AND THE NEW PUMP MATE ENCLOSURE POWER CONNECTION.
- 5 THE CONTRACTOR SHALL FURNISH AND INSTALL POWER/CONTROL CONDUIT AND WIRE FROM RELOCATED TELEMETRY ALARM PANEL TO NEW PUMP MATE CONTROL PANEL..

<div><div><div><div>COMMONWEALTH ENGINEERS, INC.</div><div>A member of PROJECTS ENGINEERING, P.C.</div></div></div><div><div>https://commonwealthengineers.com/</div></div></div>		<div><div><div>Michael A. Mirante, P.E. REGISTERED No. 19800084 STATE OF INDIANA PROFESSIONAL ENGINEER</div></div><div><div>Signature</div><div>05/21/2025 Date</div></div></div>																																																	
<div><div>TOWN OF BROWNSBURG HENDRICKS COUNTY, INDIANA</div><div>PROJECT #24-012-WW (CONTRACT 3)</div></div>																																																			
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<div><div>SCHOOL LS ELECTRICAL DEMOLITION AND IMPROVEMENTS PLAN</div><div>Drawing No: <b>E5-0</b></div><div>Sheet: 47 OF 49</div></div>																																																			







