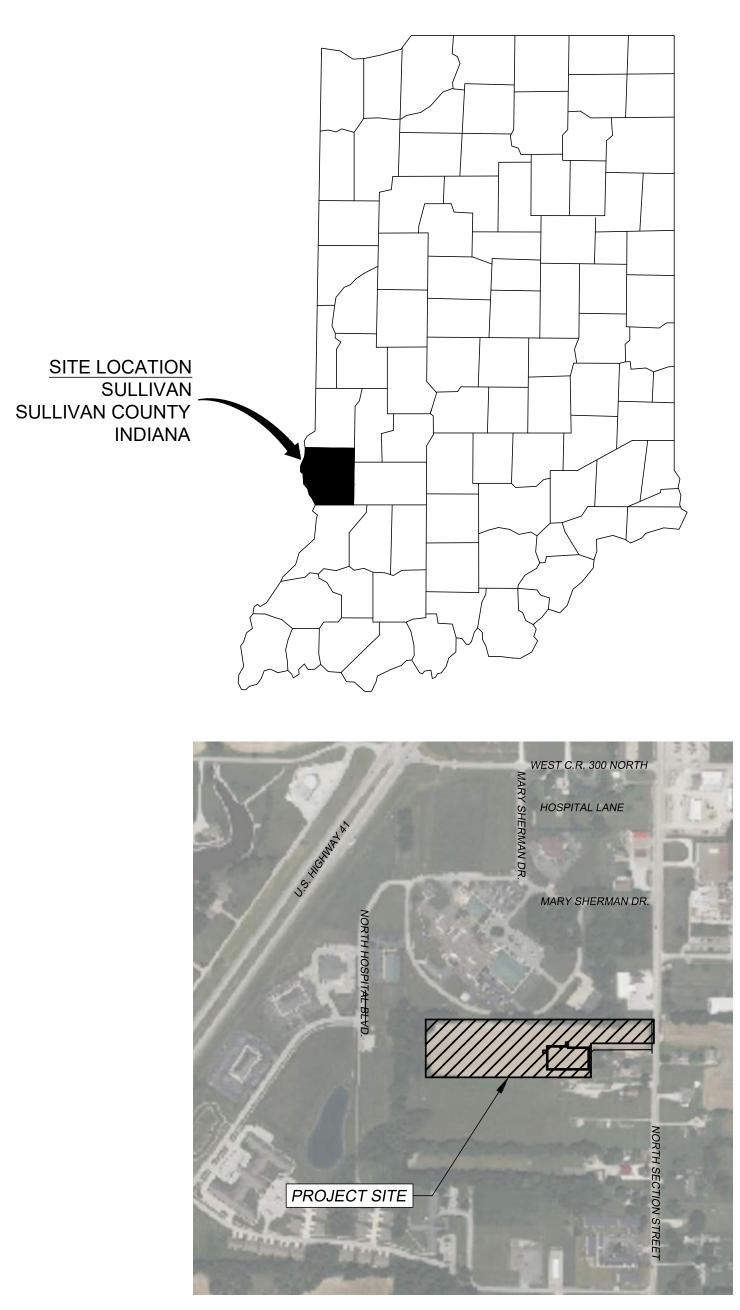


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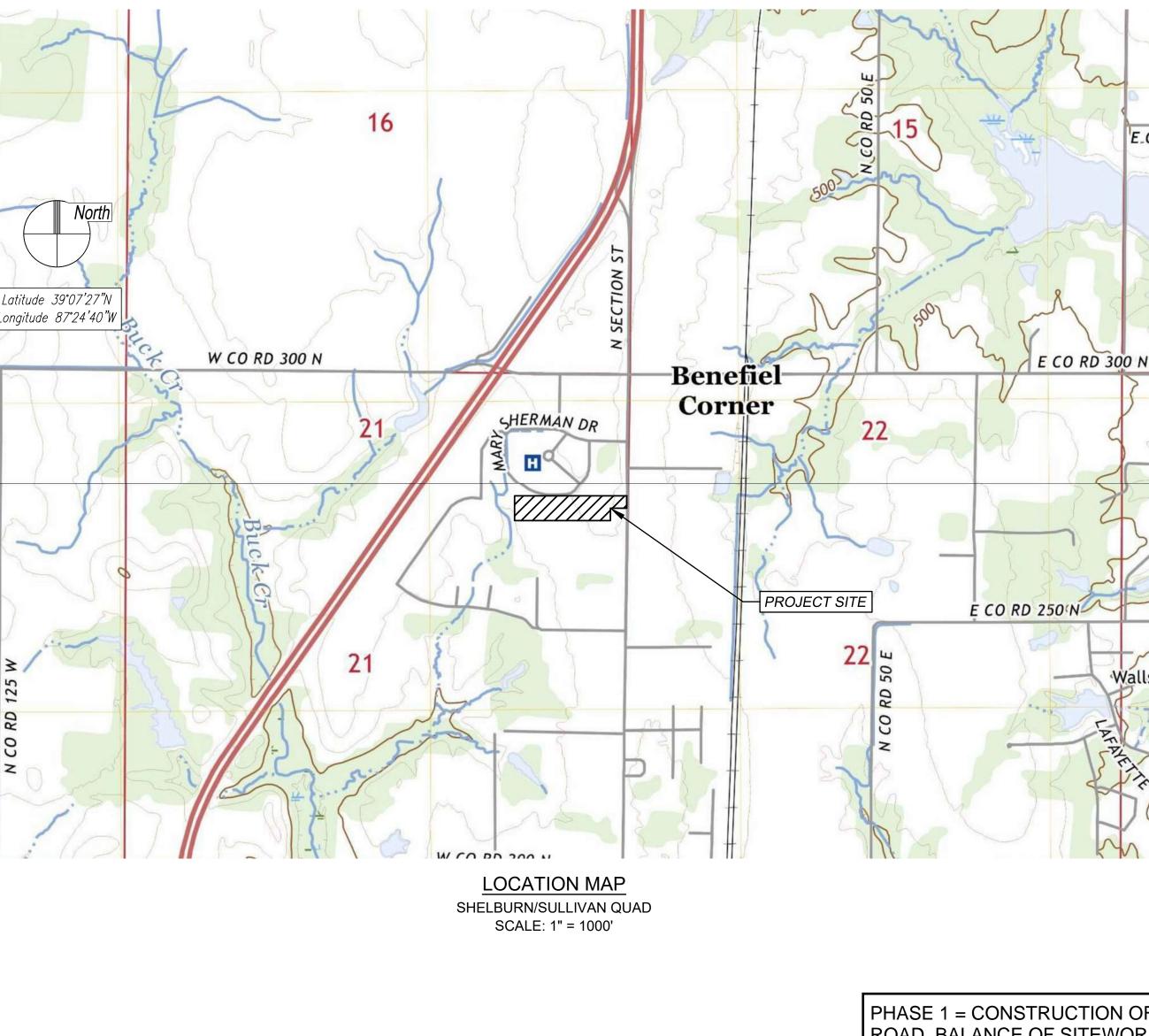


AERIAL MAP SCALE: 1" = 500'

CONSTRUCTION PLANS FOR PHASE 2 - M.O.B. SITEWORK AND UTILITIES

2200 NORTH SECTION STREET, SULLIVAN, INDIANA 47882

PART OF THE NE $\frac{1}{4}$ OF THE N $\frac{1}{2}$ OF SECTION 21, TOWNSHIP 8N, RANGE 9W HAMILTON TOWNSHIP IN SULLIVAN COUNTY



PHASE 1 = CONSTRUCTION OF BUILDING PAD, ACCESS ROAD, BALANCE OF SITEWORK, AND INSTALLATION OF UTILITITE UP TO WITHIN 5 FEEET OF TEH BUILDING.

PHASE 2 = FINAL SITEWORK, PAVING, CONCRETE, FINISHWORK, ETC.

PHASE 1 WORK IS UNDER A SEPARATE CONTRACT. PHASE 2 CONTRACTOR IS RESPONSIBLE FOR VERIFYING SITE CONDITIONS PRIOR TO ACCEPTANCE



SHEET NUMBER	DESCRIPTION
C1.0	TITLE SHEET
C2.0	EXISTING CONDITIONS & DEMOLITION PLAN
C3.0 - C3.2	SITE PLAN
C4.0 - C4.2	GRADING AND DRAINAGE PLAN
C5.0	UTILITY PLAN
C6.0	STORMWATER POLLUTION PREVENTION PLAN
C6.1 - C6.2	EROSION CONTROL PLAN
C7.0 - C7.2	GENERAL DETAILS
C8.0	SPECIFICATIONS SHEET
1 - 6	PRELIMINARY ALTA

-INDEX-

OWNER: RON SHAKE FACILITY MANAGER SULLIVAN COUNTY COMMUNITY HOSPITAL 2200 NORTH SECTION STREET, SULLIVAN, INDIANA 47882 (812)-268-4311, EXT. 2394 RON.SHAKE@SCHOSP.COM

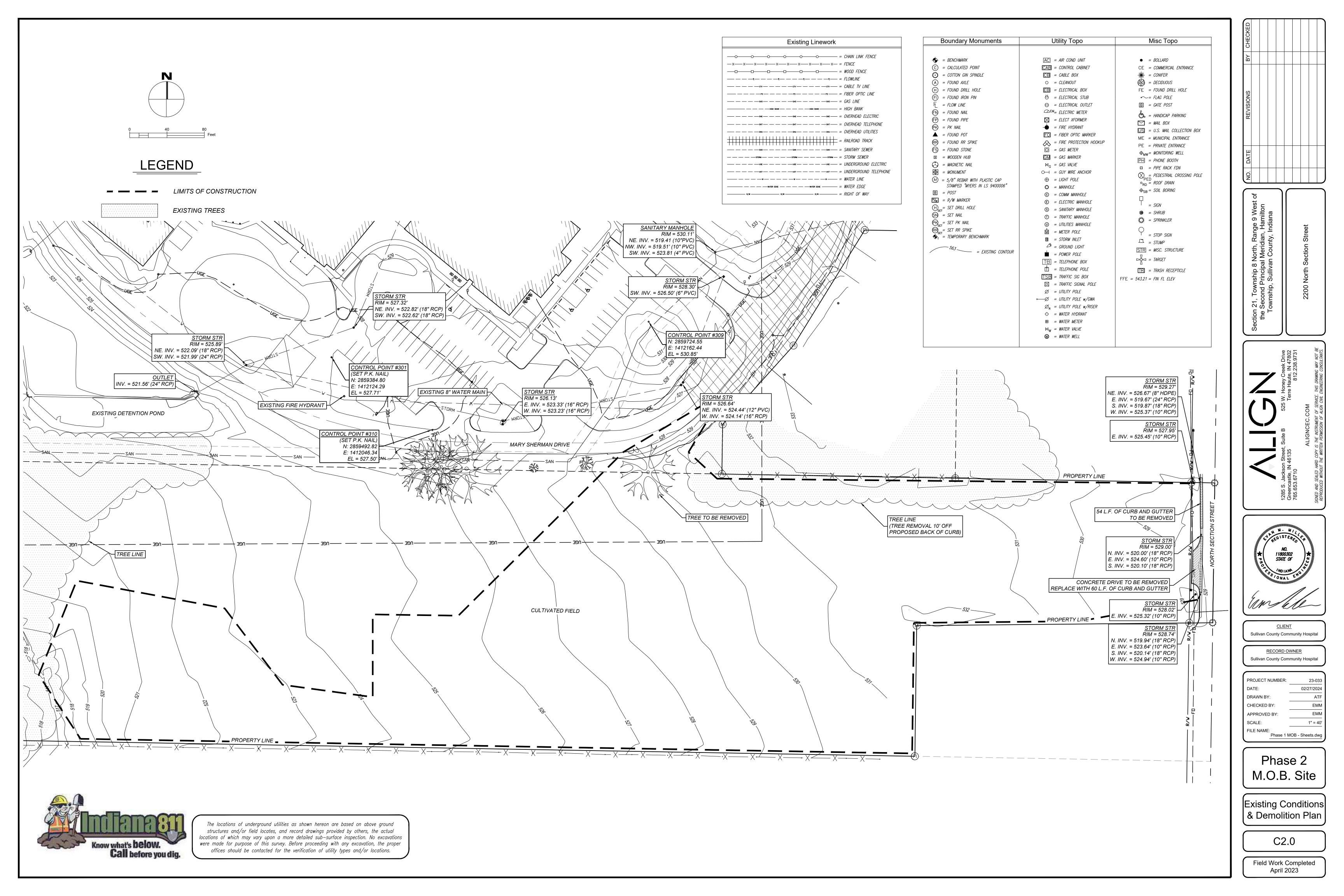
ENGINEER: EVAN MILLER, PE ALIGN CIVIL ENGINEERING CONSULTANTS, INC. 525 W. HONEY CREEK DRIVE TERRE HAUTE, IN 47802 (812) 238-9731 EMILLER@ALIGNCEC.COM



Yam Ila
PLANS PREPARED BY:
EVAN MILLER, P.E.



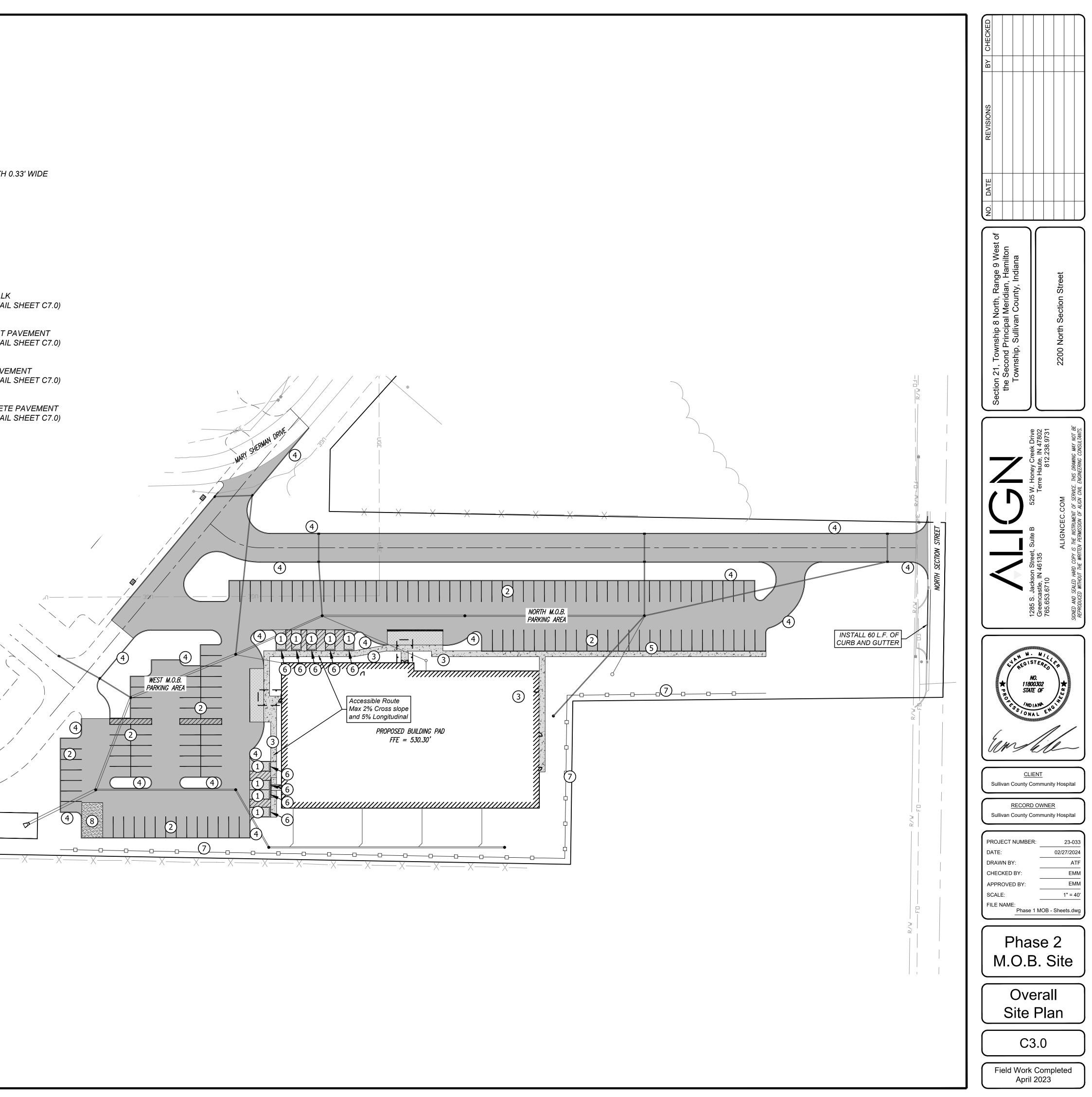
DATE: 9-14-2023

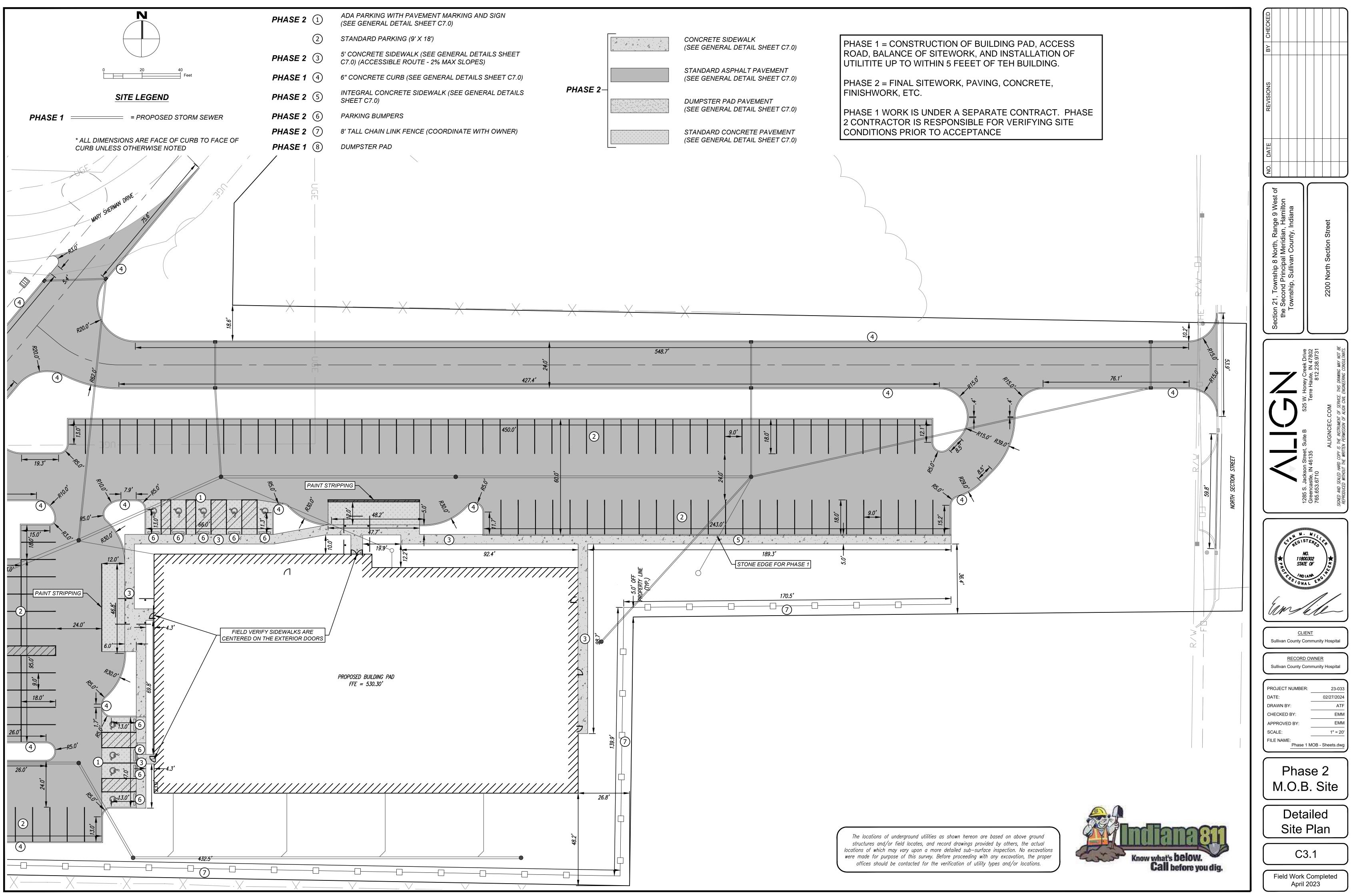


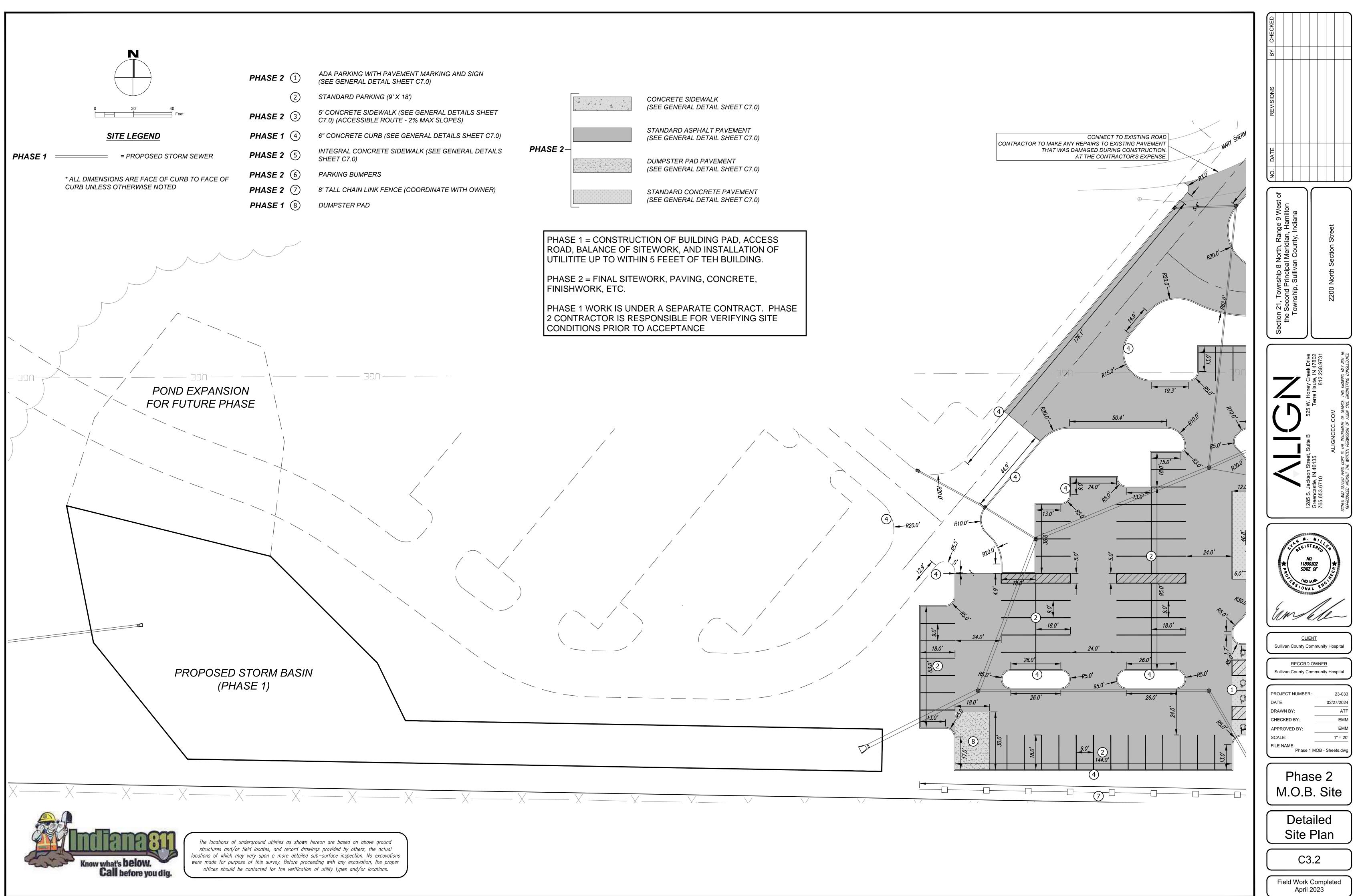
	N			
	0 40 80			
	SITE LEGEND			
PHASE 2 (1)	ADA PARKING WITH PAVEMENT MARKING AND SIGN		143 TOTAL PAINTED	PARKING SPACES (WITH
PHASE 2	(SEE GENERAL DETAIL SHEET C7.0)		STRIPING	
2	STANDARD PARKING (9' X 18')		NORTH PARKING LC	<u>)T</u> PARKING SPACES
PHASE 2 ③	5' CONCRETE SIDEWALK (SEE GENERAL DETAILS SHEE C7.0)	Т	• 5 ADA PARKING	SPACES
PHASE 1 (4)	6" CONCRETE CURB (SEE GENERAL DETAILS SHEET C7.	0)		PARKING SPACES
PHASE 2 (5)	INTEGRAL CONCRETE SIDEWALK (SEE GENERAL DETAIL	LS	• 4 ADA PARKING	SPACES
PHASE 2 (6)	SHEET C7.0) PARKING BUMPERS			CONCRETE SIDEWALI
PHASE 2 (7)		1		(SEE GENERAL DETAI
	8' TALL CHAIN LINK FENCE (COORDINATE WITH OWNER))		
PHASE 1 (8)	DUMPSTER PAD			STANDARD ASPHALT (SEE GENERAL DETAI
		PHASE 2-	-	
PHASE 1 ====	= PROPOSED STORM SEWER			DUMPSTER PAD PAVE (SEE GENERAL DETAI
	CONSTRUCTION OF BUILDING PAD, ACCESS			STANDARD CONCRET (SEE GENERAL DETAI
	P TO WITHIN 5 FEEET OF TEH BUILDING.			,
PHASE 2 = F	INAL SITEWORK, PAVING, CONCRETE,			
FINISHWOR				
PHASE 1 WC	ORK IS UNDER A SEPARATE CONTRACT. PHA	SE		
	TOR IS RESPONSIBLE FOR VERIFYING SITE			
	S PRIOR TO ACCEPTANCE			
	POND EXPANSION FOR FUTURE PHASE			
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D				
$\langle \rangle$	PROPOSED STORM BASIN (PHASE 1)			
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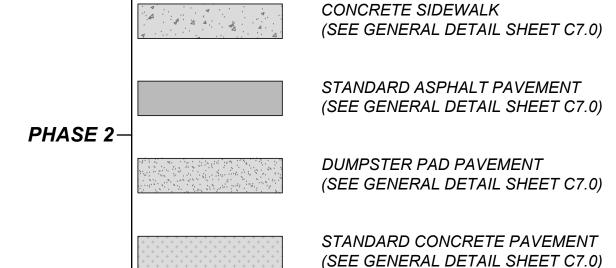


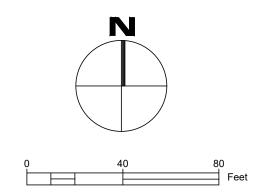
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GRADING LEGEND

- = EXISTING CONTOURS
- = DESIGN CONTOURS
- = PROPOSED STORM SEWER
- ----- = *FUTURE PHASES*

NOTES

______500_____

1. Contractor Shall Coordinate Roof Drain Locations with Architectural.

2. Contractor Shall Provide Positive Drainage On All Island Areas.

DRAINAGE SUMMARY			
	5.78 (cfs)	2-YR	
PRE-DEVELOPED	9.77 (cfs)	10-YR	
	5.09 (cfs)	10-YR	
POST-DEVELOPED	6.40 (cfs)	100-YR	

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METAL END SECTION

OUTLET INV. = 522.00' (30" HDPE)

UNDERDRAIN TO BE ADDED TO STRUCTURES FOR PURPOSES OF DRAINAGE DURING PHASE 1. (SEE CURB INLET AND CATCH BASIN DETAILS)

POND EXPANSION FOR FUTURE PHASE

METAL END SECTION

PROPOSED STORM BASIN

(PHASE 1)

INV. = 517.50'

—— —— лее 4

METAL END SECTION OUTLET INV. = 517.00' 82 L.F. OF 12" HDPE



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PIPE	TAB	LE	
	LENGTH	DIA	SLOPE
LOCATION	(FT)	(IN)	(%)
STR 1 to STR 2	24	12	0.5
STR 2 to STR 6	213	12	0.5
STR 3 to STR 4	24	12	0.5
STR 4 to STR 6	46	12	0.5
STR 5 to STR 6	91	12	0.5
STR 6 to STR 7	154	15	0.5
STR 7 to STR 10	122	18	0.4
STR 8 to STR 9	24	12	0.5
STR 9 to STR 10	46	12	0.5
STR 10 to STR 13	81	18	0.5
STR 11 to STR 12	32	12	0.5
STR 12 to STR 13	136	12	0.5
STR 13 to STR 16	97	24	0.4
STR 14 to STR 15	39	12	0.5
STR 15 to STR 16	31	12	0.5
STR 16 to STR 20	84	24	0.4
STR 17 to STR 18	202	15	1.0
STR 18 to STR 19	56	15	1.0
STR 19 to STR 20	120	15	1.0
STR 20 to POND	64	30	0.35
POND OUTLET	82	12	0.6

<u>Structure 1</u> Curb Inlet (see sheet C7.0) RIM = 529.20' S. Inv. = 525.81' (12" HDPE) Structure 2

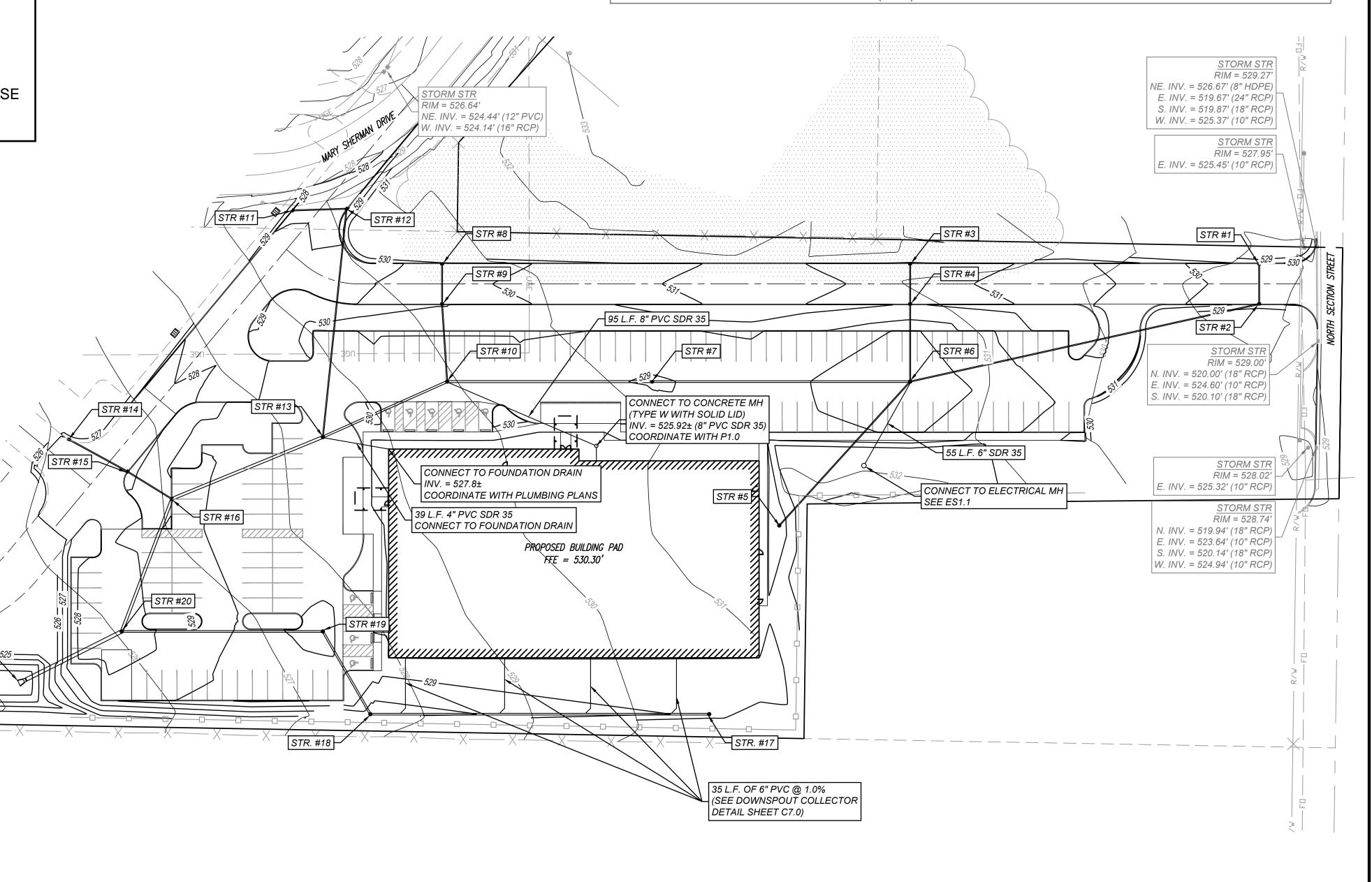
Curb Inlet (see sheet C7.0) RIM = 529.20' N. Inv. = 525.69' (12" HDPE) W. Inv. = 525.69' (12" HDPE)

Structure 3 Curb Inlet (see sheet C7.0) RIM = 530.40' S. Inv. = 524.98' (12" HDPE)

Structure 4 Curb Inlet (see sheet C7.0) Rim = 530.40' N. Inv. = 524.86' (12" HDPE) S. Inv. = 524.86' (12" HDPE)

Structure 5 Catch Basin - Type W (see sheet C7.1) RIM = 529.30' NE. Inv. = 525.08' (12" HDPE)

Structure 9 Structure 10



STRUCTURE TABLE

<u>Structure 6</u> Catch Basin - Type W (see sheet C7.1) RIM = 528.25' N. Inv. = 524.63' (12" HDPE) E. Inv. = 524.63' (12" HDPE) SW. Inv. = 524.63' (12" HDPE) W. Inv. = 524.63' (15" HDPE)

S. Inv. = 524.63' (6" PVC) <u>Structure 7</u> Catch Basin - Type W (see sheet C7.1) RIM = 528.86' E. Inv. = 523.86' (15" HDPE)

W. Inv. = 523.86' (18" HDPE) Structure 8 Curb Inlet (see sheet C7.0)

RIM = 529.45' S. Inv. = 523.72' (12" HDPE)

Curb Inlet (see sheet C7.0) RIM = 529.45' N. Inv. = 523.60' (12" HDPE) S. Inv. = 523.60' (12" HDPE)

Catch Basin - Type W (see sheet C7.1) RIM = 529.10' N. Inv. = 523.37' (12" HDPE)

E. Inv. = 523.37' (18" HDPE) SW. Inv. = 523.37' (18" HDPE) SE. Inv. = 525.00' (8" PVC)

Structure 11 Curb Inlet (see sheet C7.0) RIM = 527.75' E. Inv. = 523.79' (12" HDPE)

Structure 12 Curb Inlet (see sheet C7.0) RIM = 527.35' S. Inv. = 523.63' (12" HDPE) W. INV. = 523.63' (12" HDPE)

Structure 13 Catch Basin - Type W (see sheet C7.1) RIM = 529.00' N. Inv. = 522.95' (12" HDPE) NE. Inv. = 522.95' (18" HDPE) SW. Inv. = 522.95' (24" HDPE) SE. Inv. = 525.50' (6" PVC)

Structure 14 Curb Inlet (see sheet C7.0) RIM = 527.00' SE. Inv. = 523.00' (12" HDPE)

Structure 15 Curb Inlet (see sheet C7.0) RIM = 527.15' SE. Inv. = 522.82' (12" HDPE) NW. Inv. = 522.82' (12" HDPE) <u>Structure 16</u> Curb Inlet (see sheet C7.0) RIM = 528.30' NE. Inv. = 522.56' (24" HDPE) S. Inv. = 522.56' (24" HDPE) NW. Inv. = 522.66' (12" HDPE)

<u>Structure 17</u> Catch Basin - Type W (see sheet C7.1) RIM = 529.20' W. Inv. = 526.00' (15" PVC)

Structure 18 Catch Basin - Type W (see sheet C7.1) RIM = 527.45' E. Inv. = 524.00' (15" PVC)

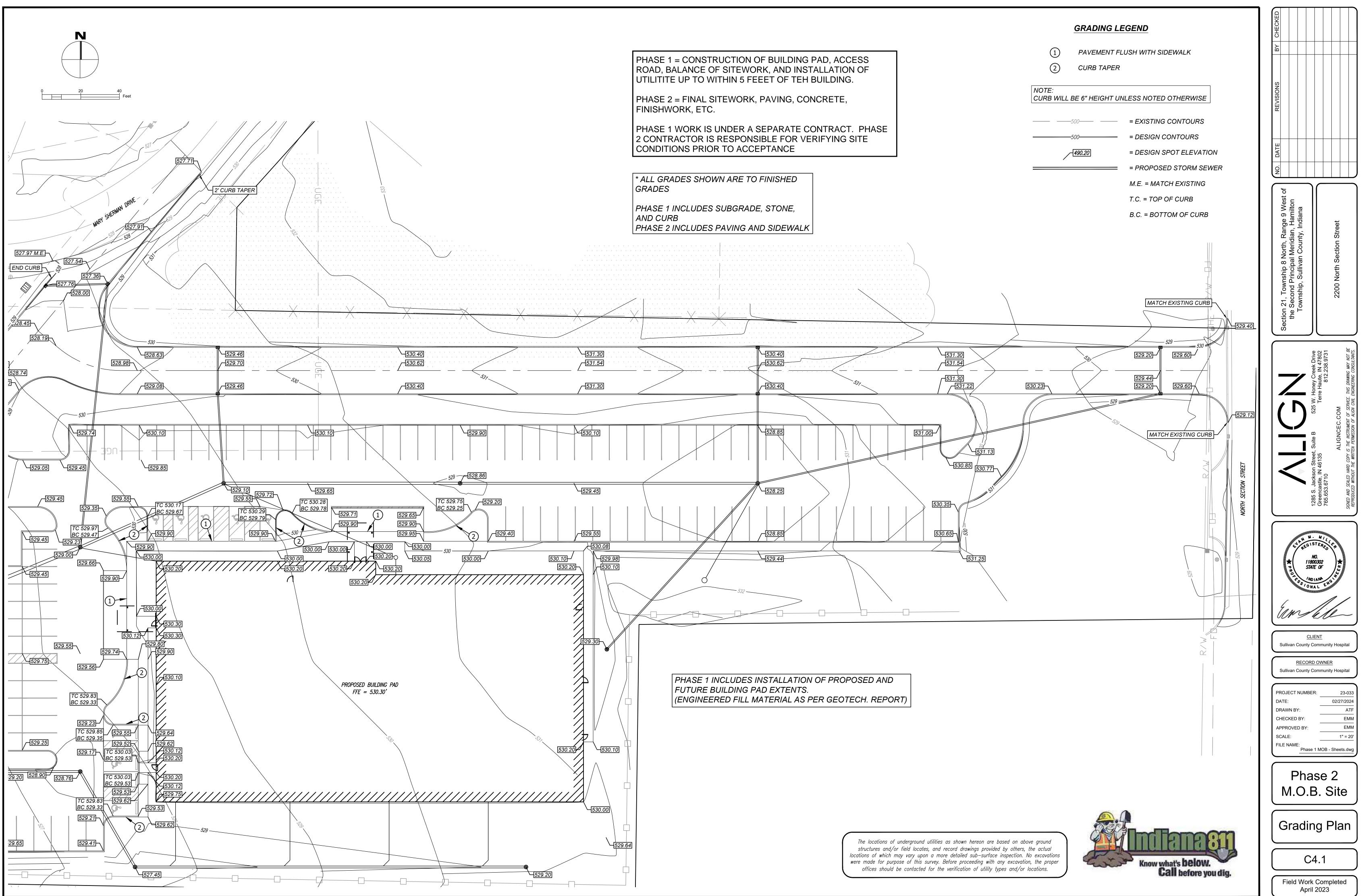
NW. Inv. = 524.00' (15" HDPE) <u>Structure 19</u> Catch Basin - Type W (see sheet C7.1)

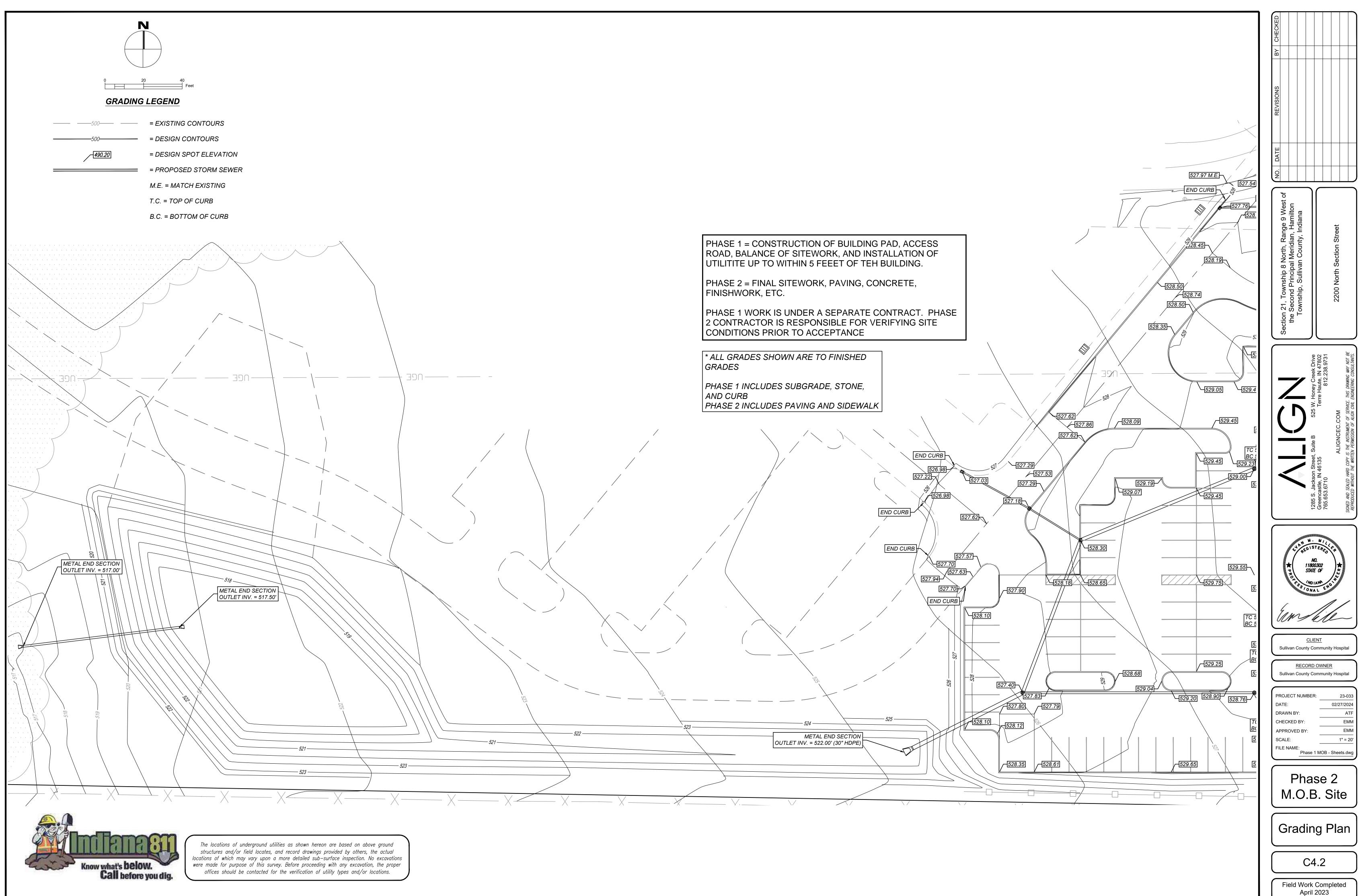
RIM = 528.76' SE. Inv. = 523.42' (15" HDPE) W. Inv. = 523.42' (15" HDPE)

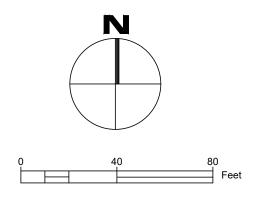
Structure 20 Catch Basin - Type W (see sheet C7.1) RIM = 527.40' N. Inv. = 522.22' (24" HDPE)

E. Inv. = 522.22' (15" HDPE) SW. Inv. = 522.22' (30" HDPE)









UTILITY LEGEND

ELECTRIC SERVICE 4" CONDUIT (COORDINATE ES1.1) (1)

- TRANSFORMER PAD (COORDINATE ES1.1) (2)
- (3) SANITARY LATERAL - 6" PVC
- (4)SANITARY CLEANOUT
- 3" DOMESTIC WATER SERVICE (COORDINATE WITH 5
- INDIANA AMERICAN WATER)
- 6" FIRE SERVICE (COORDINATE WITH INDIANA AMERICAN 6 WATER)
- FIRE VAULT (SEE GENERAL DETAILS SHEET C7.1) (7)
- FIRE HYDRANT ASSEMBLY (SEE GENERAL DETAILS 8
- SHEET C7.1)
- 9 DUAL METER PIT (SEE GENERAL DETAILS SHEET C7.1)
- SLEEVES FOR IRRIGATION LINES
- FIBER OPTIC/TELEPHONE LINE (COORDINATE WITH T1.0)
- LIGHT POLES (COORDINATE WITH ES1.1)

PHASE 1 TO INCLUDE UTILITY SERVICE LINES TO WITHIN 5' OF BUILDING PAD.

UTILITY CONTACT LIST

Fiber Tim McCombs Senior OSP Designer (cell) 812-264-2568 834 S 10th St Terre Haute, IN 47807 timothy.mccombs@joinkllc.com

Dustin Combs Utility Coordinator (812)-870-0287 dustin.combs@joinkllc.com

Gas - Ohio Valley Gas Jim dean (812) 268-6368 jim.dean@ovgas.com

Gibson Teledata Inc. 1472 Wabash Avenue Terre Haute, IN 47807 Phone: (812) 237-9133 JOsborne@bgibson.com

City of Sullivan Sanitary Sewer J.D. Wilson Director of Public Works City of Sullivan 317 S. Broad St. Sullivan, IN 47882 (812) 564-9246 jd.wilson@cityofsullivan.org

County Sullivan County Highway Jerry Netherlain (812) 258-5457

Duke-Energy Electric Brandon Vest Sullivan Operations Center 1828 N Section St Sullivan IN 47882 Cell: 812-322-4789 Brandon.Vest@duke-energy.com

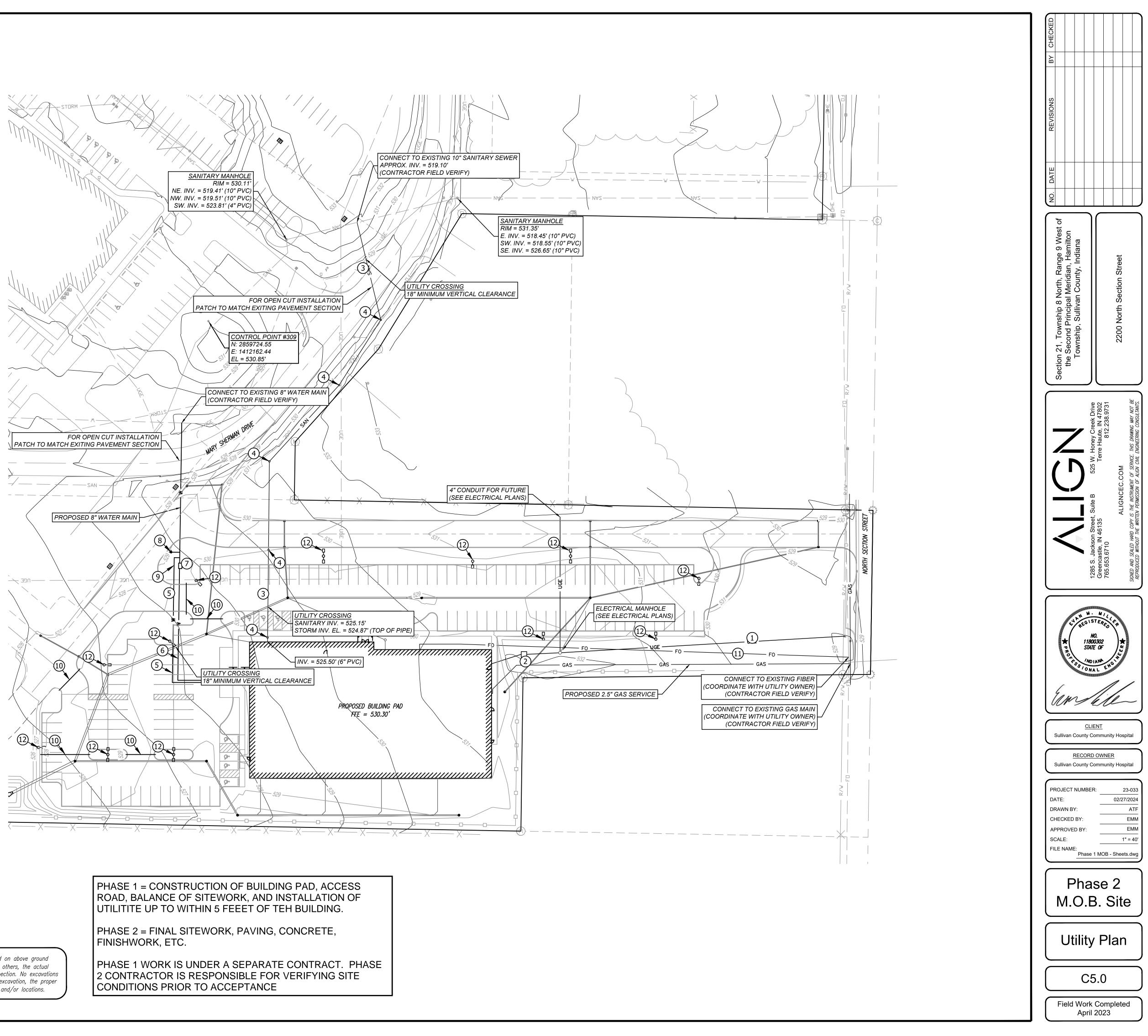
Water Bill Eyre Superintendent of Operations Indiana American Water 51 Locust St. Terre Haute, IN 47807 Email: William.eyre@amwater.com Phone: 812-208-8256

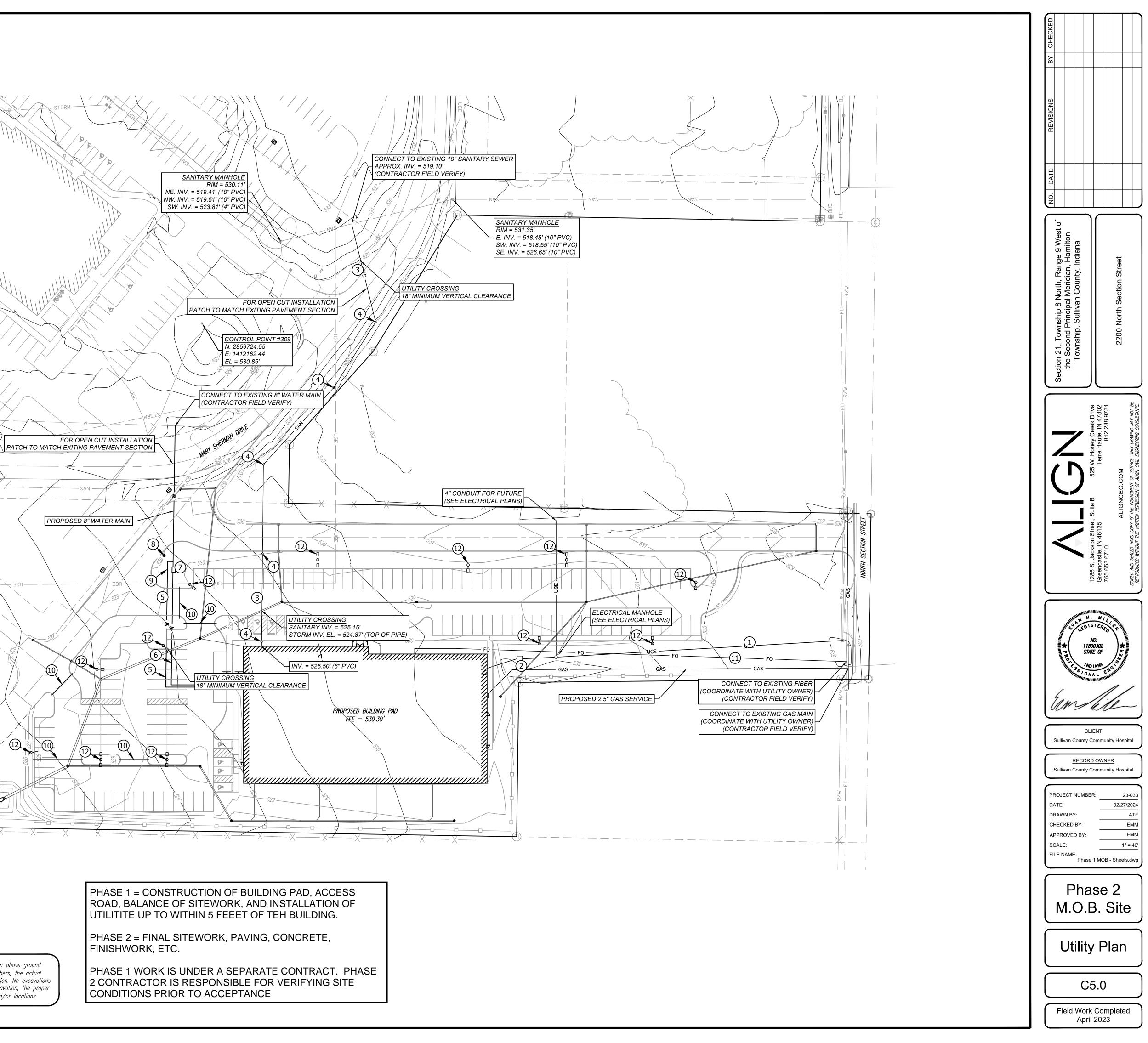
Comcast Cable Will Morris (224-229-5863

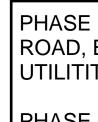
Frontier Communications Joe Sarll (812) 522-1502

Smithville Telephone

Dion Newton Enterprise Sales Executive Phone: (812) 935-2309 | Mobile: (812) 340-3753 Dion.Newton@smithville.com









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	Storm Water Pollution Pre
Construction Plan Element (Section A)	A26. Location, Size, and Dimensions of all Stormwater Drainage System See Sheet C4.0.
A1. Plan Index See general information Sheet C1.0	A27. Locations of Specific Points where Stormwater and Non-Stormw Project Site
A2. Vicinity Map See Cover Sheet	See Sheet C4.0.
A3. Narrative Describing the Nature and Purpose of Project The proposed project is the construction of a modular medical office building, new road to Section Street, new parking areas, and associated infrastructure in Hamilton Township, Sullivan County, Indiana.	A28. Location of all Proposed Site Improvements See Sheet C3.0. A29. Location of all On-Site and Off-Site Soil Stockpiles and Borrow Areas
A4. Latitude and Longitude of the Project	See Sheet C6.1
Latitude: 39°07'27" N, Longitude: 87°24'40" W A5. Legal Description of the Project	A30. Construction Support Activities that are Expected to be part of the Pro N/A
Section 21 Township 8 North Range 9 West, Sullivan County, Hamilton Township	A31. Location of any In-Stream Activities that are Planned for the Project N/A
A6. 11 x 17 Inch Plat See Sheet C2.0	Stormwater Pollution Prevention - Construction Component (Section B)
 A7. Boundaries of 100yr Floodplains, Floodways Fringes, and Floodways This property is not located in a floodplain per FEMA Map 1804100004A, March 23th, 1979. A8. Adjacent Land Use 	B1. Description of Potential Pollutant Sources Potential pollutant sources associated with the construction are anticipated to petroleum based chemicals from equipment and vehicles, fertilizer used for ter and, concrete from truck washout. These are all addressed in this plan.
Adjacent land use:North:Sullivan County Community HospitalSouth:Residential (Single Family Dwelling)East:Section StreetWest:Medical Offices (Commercial)	B2. Stable Construction Entrance Locations and Specifications The construction entrance for this project will be located as shown on sheet C6. sediment, trash and any construction materials (including fluids). Access to the North Section Street from the existing drive entrance located on the East side clean of mud and silt.
 A9. Identification of a U.S. EPA Approved or Established Total Maximum Daily Load (TMDL) N/A A10. Name(s) of the Receiving Waters(s) Buck Creek 	B3. Specifications for Temporary and Permanent Stabilization All areas left disturbed for 7 days or more shall have temporary seeding a specifications (Indiana Department of Environmental Management Manuel, Chap in an area, permanent seeding may be applied instead of temporary. Tempo follows:
A11. Identification of Discharges to a Water on the Current 303(d) List of Impaired Waters and the Pollutant(s) for which it is Impaired N/A	
A12. Soils Map of Predominate Soil Types Soil types present on-site is Reesville Silt Loam.	Spring Oats 100 lbs 1 in. 3/1 to 4/15 Annual Ryegrass 40 lbs 0.25 in. 3/1 to 5/1 & 8/1 to 9/1 German Millet 40 lbs 1 to 2 in. 5/1 to 6/1
A13. Identification and Location of all Known Wetlands, Lakes, and Water Courses on or Adjacent to the Project Site	Sudangrass 35 lbs 1 to 2 in. 5/1 to 7/30 Buckwheat 60 lbs 1 to 2 in. 4/15 to 6/1 Corn (Broadcast) 300 lbs 1 to 2 in. 5/11-8/10
There is a drainage pond located on the southwest side of the property and an unnamed creek that drains into Buck Creek.	Sorghum 35 lbs 1 to 2 in. 5/1-7/15
A14. Identification of any Other State or Federal Water Quality Permits or Authorizations that are Required for Construction Activities N/A	Once construction is completed in areas outside of the building, sidewalk, or pay take place. This is to be done according to the attached specifications for Perm state what type of seed mixes are to be used and how to apply them. Optimum 10 and August 10 to September 30. Seeding done between May 10 and Augu alternative, temporary seeding may be used until the optimum dates for permane
A15. Identification and Delineation of Existing Cover The site coverage is primarily a agricultural field.	B4. Sediment Control for Concentrated Flow Areas
A16. Existing Site Topography See Plan Sheet C2.0.	B5. Sediment Control for Sheet Flow Areas
A17. Location(s) where Run-Off Enters the Project Site Some run-off may enter the site from the north.	Sheet flow will be the primary runoff type on this project. Silt fence will be placed Plan. See sheet C6.1.
A18. Location(s) where Run-Off Discharges from the Project Site Prior to Land Disturbance Approximately 320' from North Section Street is the high point on the site. Storm water runs off east toward N Section St. and to the west draining into a creek.	B6. Run-Off Control Measures N/A B7. Stormwater Outlet Protection Location and Specifications
A19. Location of all Existing Structures on the Project Site See Plan Sheet C2.0.	N/A B8. Grade Stabilization Structure Locations and Specifications N/A
A20. Existing or Permanent Retention or Detention Facilities N/A	B9. Dewatering Applications and Management Methods
A21. Locations where Stormwater may be directly Discharged into Ground Water Runoff may enter the groundwater via natural filtration through the soil. No known abandoned wells on site.	N/A B10. Measures Utilized for Work within Waterbodies N/A
A22. Size of the Project Area 8.2 ± acres	B11. Maintenance Guidelines for each Proposed Stormwater Quality Measu
A23. Total Expected Land Disturbance 4.4 ± acres	Monitoring and maintenance of the practices will be in accordance with the attac The contractor shall have a person knowledgeable in erosion and sediment co storm water pollution deficiencies at least weekly and again within 24 hours of ev
A24. Proposed Final Topography See Sheet C4.0.	B12. Planned Construction Sequence
A25. Locations and Approximate Boundaries of all Disturbed Areas See Sheet C2.0 and C3.0.	Pre-Construction Practices 1. Notify IDEM Rule 5 coordinator (317-233-1864) and Sullivan County S starting construction. Schedule a pre-construction meeting after the installed.

Storm Water Pollution Prevention Plan

nwater Discharges will Leave the

Project

to be silt runoff, petroleum and temporary and permanent seeding

6.1. Property shall be kept cleared of ne construction entrance will be off of de of the project, which shall be kept

applied according to the attached hapter 7). If construction is completed nporary seeding shall be applied as

paving limits, permanent seeding is to ermanent Seeding. The specifications m seeding dates are March 1 to May gust 10 may require irrigation. As an anent seeding.

ed as directed in the Erosion Control

tached specification for each practice. control that shall inspect the site for every ½ inch rain event.

Soil and Water within 48 hours of the perimeter practices have been installed.

2. Perimeter silt fence shall be installed prior to any land disturbing activities as shown on the Erosion Control

- Plan. See sheet C6.1.

- equipment staging area.

During Construction Practices

- control practices.
- in C6.2.
- B3 of this sheet.

- installed. See sheet C6.1.
- needed.

Post Construction Practices

- permanently stabilized.
- the Proposed Project N/A

2-6.1

Materials that may be present on site during construction will be petroleum-based products. These materials should be handled in a common area used to fuel and service equipment. Any spill of petroleum that exceeds 55 gallons must be reported to the Indiana Department of Environmental Management, Office of Environmental Response at (888) 233-7745 or (317) 233-7745 within 2 hours as well as the Local Fire Department. Any smaller spills will be contained and all affected materials shall be removed and hauled to an approved location for disposal. All materials used on site shall have an available MSDS sheet to specify what is to be done in case of a spill.

See Sheet C6.2.

Stormwater Pollution Prevention Plan - Post Construction Component (Section C)

C2. Description of Proposed Post Construction Stormwater Quality Measures Areas to be seeded will be fine graded in order to establish a good stand of grass in order to prevent erosion. Permanent seeding must be done within 7 days of the end of construction.

C3. Plan Details for each Stormwater Measure Permanent seeding will be in accordance with the attached specifications. See sheet C6.2.

pavement has been placed.

C6. Entity that will be Responsible for Operation and Maintenance of the Post-Construction Stormwater Measures

The property owner will assume responsibility of the site post-construction.

3. A 3' buffer area of existing vegetation shall be maintained between disturbed areas and silt fence.

4. Topsoil stockpiles will be located on the site, as shown on the erosion control plans. Any amount of topsoil stockpiled shall be surrounded with silt fence prior to placing any material there.

5. There will be a construction entrance from North Section Street on the East side of the project. The construction entrance will be constructed of No. 2 stone placed to a depth of 8-in placed on top of geotextile fabric. This entrance shall be a minimum of 50-ft. long x 24-ft wide, to allow for two-way traffic. 6. Install Construction Entrance, fueling area, port-a-potty, solid waste bin, concrete washout facility and

7. Post the contact information at the construction entrance. Include a copy of the NOI and contact information for the on-site person who is responsible for implementing the storm water pollution prevention plan. The SWPPP should be on-site and weekly site reports need to be available within 48 hours of a request.

1. Inspection and maintenance of the Erosion Control practices initiated will continue throughout the construction time period. Inspections will be at least once a week. Inspections will be made following every $\frac{1}{2}$ inch rain event. Inspection is to be made by construction personnel trained individually and erosion

2. All areas on the property that have been cleared or graded shall have temporary seeding planted as early as possible. All areas left undisturbed for 7 days SHALL be temporary seeded.

3. All disturbed areas shall have permanent seed within 7 days after finished grading operations as specified

4. All disturbed area not at final grade left idle for more than 7 days shall be temporary seeded as per section

5. Install Temporary Inlet Protection as shown on the Erosion Control Plan. See sheet C6.1. 6. Land disturbing activities shall be kept to a minimum until these practices are installed.

7. Install catch basin and pipe structures. Install inlet and outlet protection immediately after structure is

8. Complete paving. If paving is delayed for 7 days or more the disturbed areas should be seeded. Backfill as

1. Inspection and maintenance of the Erosion Control practices initiated will continue after construction is complete. Sediment control practices shall be removed after the site is stabilized. 2. The contractor shall remove the temporary erosion or sediment control devices as each area is

B13. Provisions for Erosion and Sediment Control on Individual Residential Building Lots Regulated under

B14. Material Handling and Spill Prevention and Spill Response plan Meeting the requirements in 327 IAC

B15. Material Handling and Storage Procedures Associated with Construction Activity

C1. Description of Pollutants and their Sources Associated with Proposed Land Use

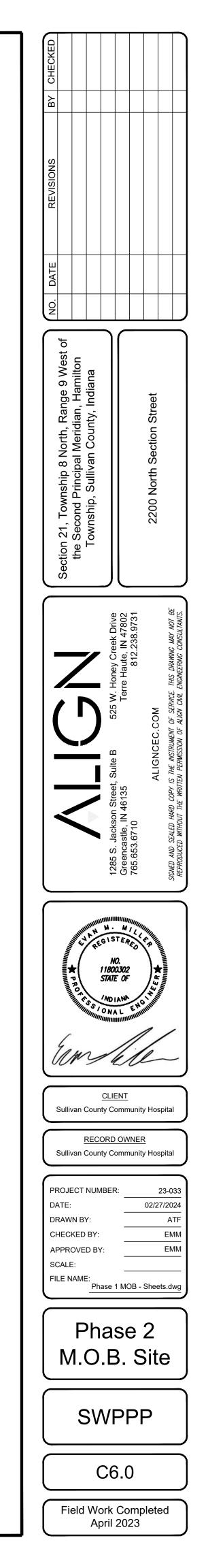
The site will be used as a Building, Parking Lot, Sidewalk and Landscaping. Possible post construction pollutants would be gas/oil from vehicles in and out of the site as well as salt/sand and trash/litter.

C4. Sequence Describing Stormwater Quality Measure Implementation

Seeding areas shall include all areas outside of the pavement and sidewalk as shown on the plans.

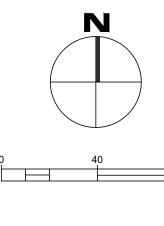
C5. Maintenance Guidelines for Proposed Post-Construction Stormwater Measures

Contractor will be responsible for establishing and maintaining the seeded areas until grass is fully established and

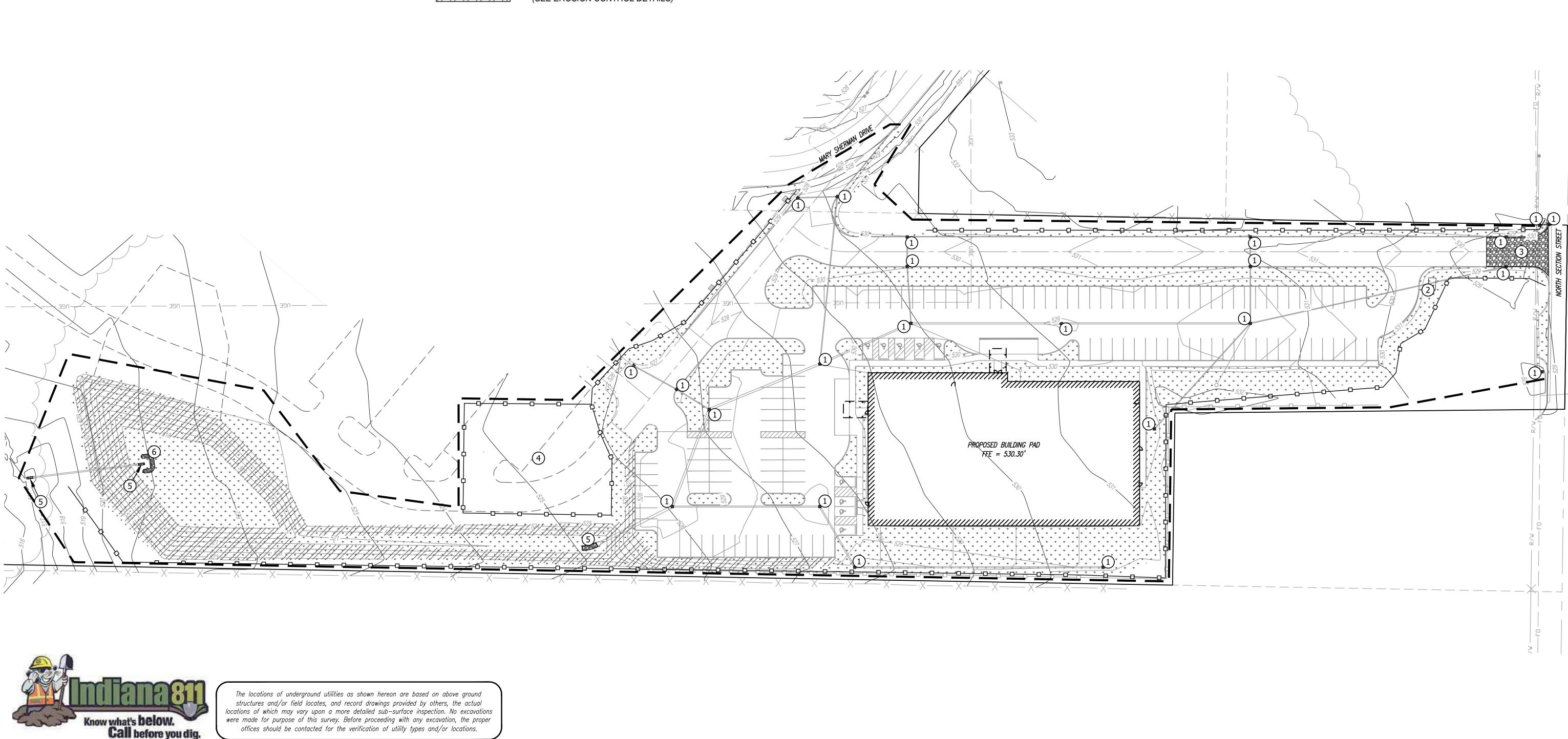




Location Map Not to Scale



EROSION CONTROL LEGEND 1 INLET PROTECTION 2 CONCRETE WASHOUT 3 CONSTRUCTION ENTRANCE 4 TOPSOIL STOCKPILE PERMANENT OUTLET PROTECTION 5 (SEE GENERAL DETAILS SHEET C7.1) TEMPORARY CHECK DAM (SEE EROSION CONTROL 6 DETAILS) SILT FENCE -0----0-----LIMITS OF CONSTRUCTION PERMANENT SEEDING * * * * * * * * * * * * * * *





PHASE 1 = CONSTRUCTION OF BUILDING PAD, ACCESS ROAD, BALANCE OF SITEWORK, AND INSTALLATION OF UTILITITE UP TO WITHIN 5 FEEET OF TEH BUILDING.

PHASE 2 = FINAL SITEWORK, PAVING, CONCRETE, FINISHWORK, ETC.

PHASE 1 WORK IS UNDER A SEPARATE CONTRACT. PHASE 2 CONTRACTOR IS RESPONSIBLE FOR VERIFYING SITE CONDITIONS PRIOR TO ACCEPTANCE

(SEE EROSION CONTROL DETAILS)

EROSION CONTROL BLACKET (SEE EROSION CONTROL DETAILS)

NOTES:

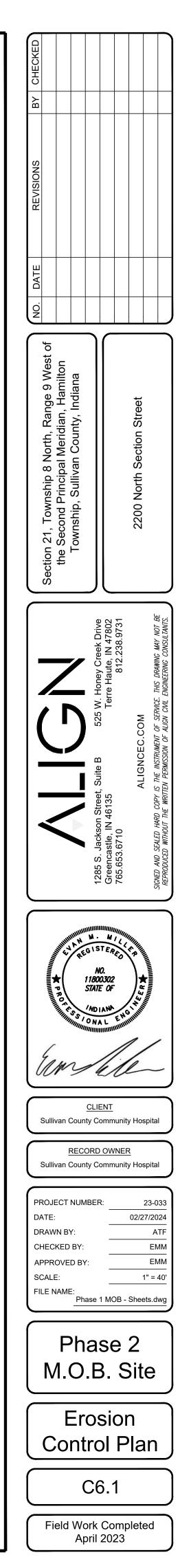
1. ANY NEWLY GRADED AREA WITH A SIDE SLOPE STEEPER THAN 3:1 SHALL BE LINED WITH EROSION CONTROL BLANKET.

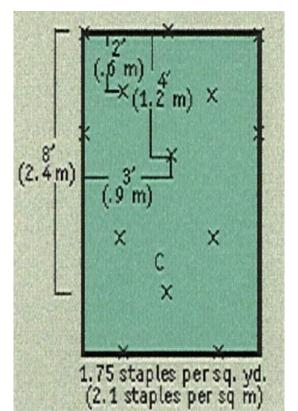
2. ALL AREAS LEFT UNDISTURBED FOR 7 DAYS OR MORE SHALL HAVE TEMPORARY SEEDING APPLIED ACCORDING TO THE ATTACHED SPECIFICATIONS. IF CONSTRUCTION IS COMPLETED IN AN AREA, PERMANENT SEEDING MAY BE APPLIED INSTEAD OF TEMPORARY. TEMPORARY SEEDING SHALL BE APPLIED AS FOLLOWS:

SEED SPECIES	RATE	ACREPLAN	TING DEPTH
WHEAT OR RYE		150 LBS.	1 TO 1.5 IN.
SPRING OATS		100 LBS.	1 IN.
ANNUAL RYEGRA	ASS	40 LBS.	1⁄4 IN.
GERMAN MILLET		40 LBS.	1 TO 2 IN.
SUDANGRASS		35 LBS.	1 TO 2 IN.
BUCKWHEAT		60 LBS.	1 TO 2 IN.
CORN (BROADCA	AST)	300 LBS.	1 TO 2 IN.
SORGHUM		35 LBS.	1 TO 2 IN.

OPTIMUM DATES 9/15 TO 10/30
3/1 TO 4/15
3/1 TO 5/1 & 8/1 TO 9/1
5/1 TO 6/1
5/1 TO 7/30
4/15 TO 6/1
5/11 TO 8/10
5/1 TO 6/15

3. ONCE CONSTRUCTION IS COMPLETED IN AREAS OUTSIDE OF THE PAVING LIMITS, PERMANENT SEEDING IS TO TAKE PLACE. THIS IS TO BE DONE ACCORDING TO THE SPECIFICATIONS FOR PERMANENT SEEDING IN THE IDEM INDIANA STORM WATER QUALITY MANUAL. THE SPECIFICATIONS STATE WHAT TYPE OF SEED MIXES ARE TO BE USED AND HOW TO APPLY THEM. OPTIMUM SEEDING DATES ARE MARCH 1 TO MAY 10 AND AUGUST 10 TO SEPTEMBER 30. SEEDING DONE BETWEEN MAY 10 AND AUGUST 10 MAY REQUIRE IRRIGATION. AS AN ALTERNATIVE, TEMPORARY SEEDING MAY BE USED UNTIL THE OPTIMUM DATES FOR PERMANENT SEEDING.





EROSION CONTROL BLANKET

2. Begin at the top of channel by anchoring the blanket in a 6" deep by 6" wide trench.

Prepare soil before installing blankets, including application of lime, fertilizer, and

Backfill and compact the trench after stapling.

3. Roll center blanket in direction of water flow on bottom of channel.

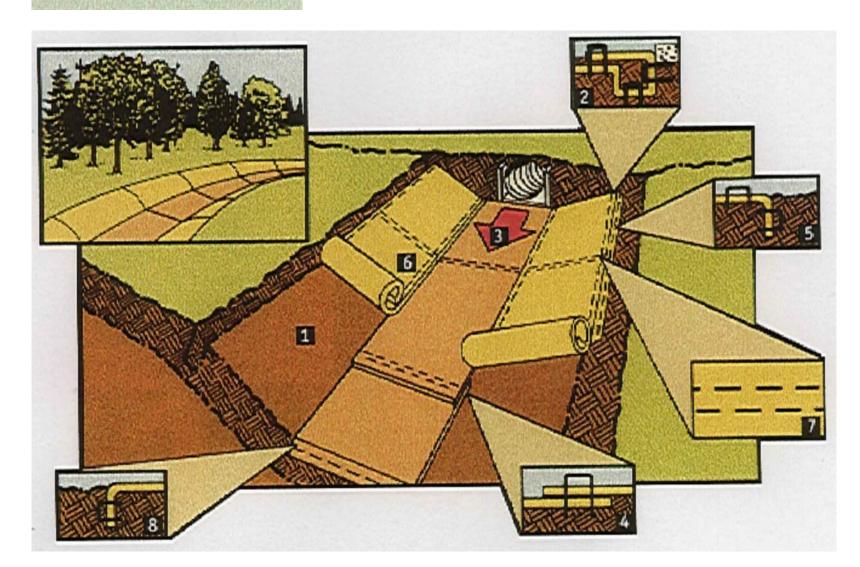
4. Place blankets end over end (shingle style) with a 6" overlap. Use a double row of staggered staples 4" apart to secure blankets.

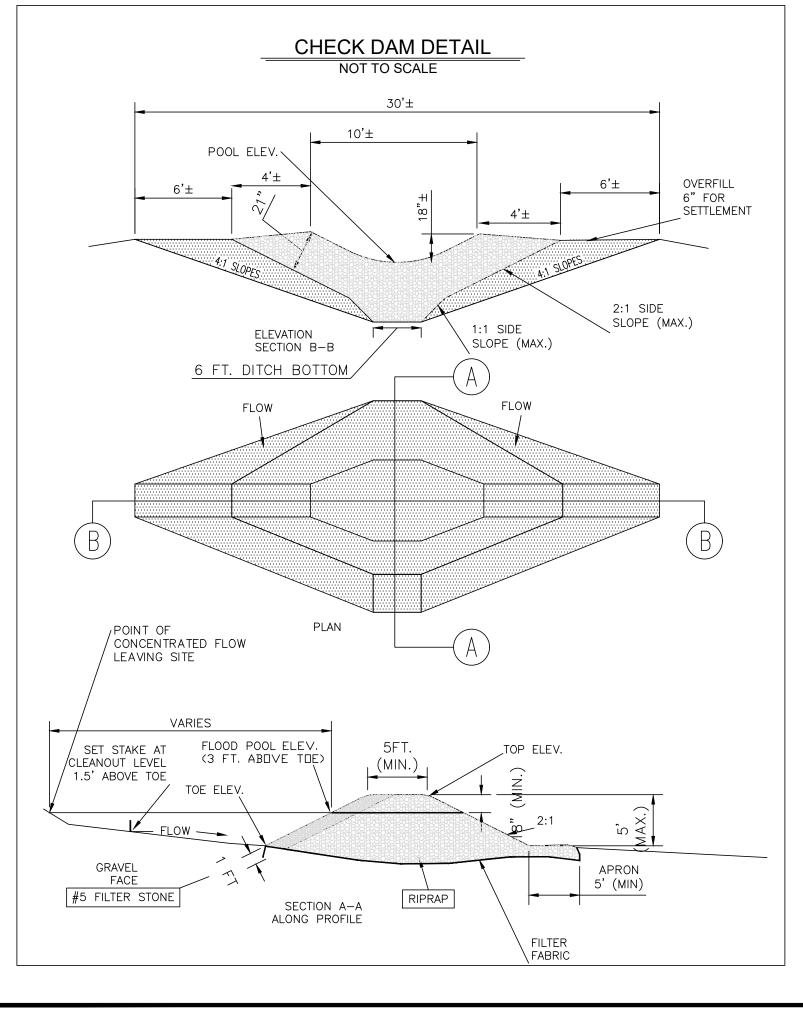
5. Full-length edge of blankets at top of side slopes must be anchored in 6" by 6" wide trench. Backfill and compact the trench after stapling.

6. Blankets on side slopes must be overlapped 4" over the center blanket and staples.

7. In high flow channel applications, a Staple check slot is recommended at 30 to 40 foot intervals. Use a row of staples 4" apart over entire width of the channel. Place a second row 4" below the first row in a staggered pattern.

8. The terminal end of the blankets must be anchored in a 6" deep by 6" wide trench. Backfill and compact the trench after stapling.





CONSTRUCTION SEQUENCE FOR SITE EROSION CONTROL PRACTICES

STEP 1. Evaluate the Site Before construction, evaluate the entire site, marking for protection any important trees and associated rooting zones, unique areas to be preserved, on-site septic system absorption fields, and vegetation suitable for filter strips, especially in perimeter areas.

Identify Vegetation To Be Saved

Protect Trees and Sensitive Areas

- near trees or in areas marked for preservation.
- area below their branches.
- a septic system absorption field (if applicable).

STEP 2. Install Perimeter Erosion and Sediment Controls Identify the areas where sediment-laden runoff could leave the construction site, and install perimeter controls to minimize the potential for off-site sedimentation. It's important that perimeter controls are in place before any other earth-moving activities begin.

Protect Down-Slope Areas

With Silt Fence

sediment (see Specifications).

nstall Gravel Drive

roadways.

STEP 3. Prepare the Site for Construction

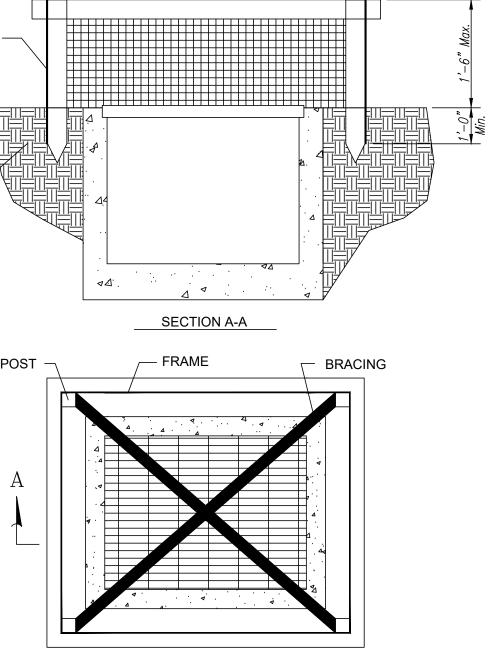
Salvage and Stockpile the Topsoil/Subsoil

GEOTEXTILE FABRIC -COMPACTED BACKFILL

NOTE:

1 THE FRAME SHALL BE WRAPPED WITH ONE CONTINUOUS PIECE OF POST GEOTEXTILE FABRIC, AND WITH A MIN. 2'-0" OVERLAP.

2 GEOTEXTILE FABRIC SHALL BE BURIED A MIN. OF 1'-0".



Erosion Control Plan Details

 Select and identify the trees, shrubs, and other vegetation that you want to save (see "Vegetation Filter Strips" under Step 2 below).

• To prevent root damage, do not grade, burn, place soil piles, or park vehicles

• Place plastic mesh or snow fence barriers around tree's drip line to protect the

• Place a physical barrier, such as plastic fencing, around the area designated for

• Use silt fencing along the perimeter of the lot's downslope side(s) to trap

• Restrict all lot access to this drive to prevent vehicles from tracking mud on to

Prepare the site for construction and for installation of utilities. Make sure all contractors (especially the excavating contractor) are aware of areas to be protected. sod, seed, and/or mulch.

• Remove topsoil (typically the upper 4 to 6 inches of soil material) and stockpile.

• Remove subsoil and stockpile separately from the topsoil.

PLAN VIEW

TEMPORARY INLET PROTECTION GEOTEXTILE BOX NOT TO SCALE

- Locate the stockpiles away from any downslope street, driveway, stream, lake. wetland, ditch, or drainageway.
- Immediately after stockpiling, temporary-seed the stockpiles with annual rye or winter wheat and/or place sediment barriers around the perimeter of the piles.

STEP 4. Build the Structure(s) and Install the Utilities

Construct the site and install the utilities then consider the following.

Install Temporary Erosion Control Measures

- Inlet Protectors
- Silt Fence
- Erosion control blanket
- Riprap check dams once ditches are cut
- Temporary sediment trap at pond outlet pipe once pond is constructed

Seed or Sod Bare Areas

- Any area left disturbed for 7 days must be temporary seeded.
- Follow recommendations of a professional landscaping contractor for installation of sod.
- Water newly seeded/sodded areas every day or two to keep the soil moist. Less watering is needed once grass is 2 inches tall

STEP 5. Maintain the Control Practices

Maintain all erosion and sediment control practices until construction is complete and the site is stabilized.

- Inspect the control practices a minimum of twice a week and after each storm event, making any needed repairs immediately.
- Toward the end of each work day, sweep or scrape up any soil tracked onto roadways. Do not flush areas with water.
- By the end of the next work day after a storm event, clean up any soil washed off site.

STEP 6. Revegetate the Site

Immediately after all outside construction activities are complete, stabilize the lot with

Redistribute the Stockpiled Topsoil and Subsoil

- Spread the stockpiled subsoil to rough grade.
- Spread the stockpiled topsoil to a depth of 4 to 6 inches over rough-graded areas.
- Fertilize and lime according to soil test results or recommendations of a seed supplier or a professional landscaping contractor.

STEP 7. Remove Remaining Temporary Control Measures

Once the sod and/or vegetation is well established, remove any remaining temporary erosion and sediment control practices.

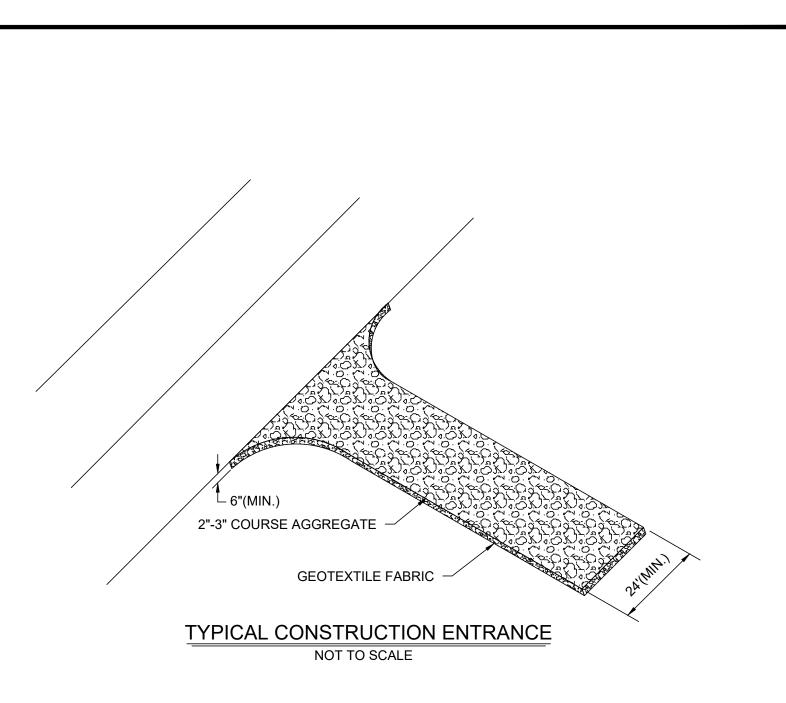
> FILTER FABRIC (AMOCO 2127) OR APPROVED EQUAL - SUPPORT WIRE

COMPACTED SOIL 8" DEEP (MIN.) -

POST 18" DEEP (MIN.)

FILTER FABRIC

SILT FENCE DETAILS NOT TO SCALE



Erosion Control Practices shall be as per the IDEM Indiana Storm Water Quality Manual, unless stated otherwise.

Erosion Control Blankets To be used in areas where slope is 3:1 or greater

Permanent Seeding Recommendations Per Plans, INDOT Type "U"

Temporary Seeding: (If areas remain open for 7 days)

Species	Rate/acre
Wheat or Rye	150 lbs.

Depth 1 to 1 1/2 in.

Optimal Dates 9/15 to 10/30

Mulch Anchoring

Tack, Crimp, or Apply biodegradable netting over mulch and staple with 6-8 in. wire staples. Follow manufacturer's recommendations for installation.

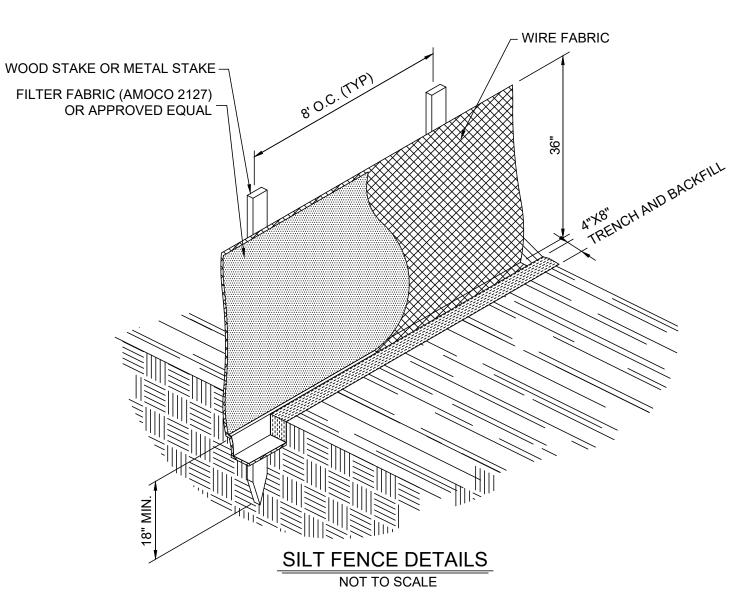
Stabilizing measures

Temporary or permanent seeding, silt fence, or other erosion control measures shall be used within seven days after the land has been disturbed.

Erosion control measures will be maintained throughout construction.

Staged Clearing Will be utilized to reduce the amount of disturbed area during construction.

Soil Stockpiles Will be surrounded with silt fence.





General Site Notes

It shall be the responsibility of the general contractor to bear any and all expenses to remove, relocate and/or modify all utilities private, public or otherwise. It further shall be the responsibility of the general contractor to verify with each utility owner who is responsible to remove, relocate and/or modify such utilities existing or proposed per these plans or future utilities proposed by others not indicated herein.

The contractor shall be responsible to provide at his expense all automobile and pedestrian control devices required by federal, state, county, city, or local agency. The amount, location and size shall be per direction of such agency.

It is the responsibility of the contractor to remove all mud, dirt, gravel and any other materials tracked onto or placed onto any public or private streets, drives or sidewalks. The contractor shall clean these areas daily. The contractor shall use water or other methods to abate airborne dust.

The utilities indicated on these plans may not be a complete inventory of all of the existing utilities present. The location and size of these utilities are approximate based on information gathered or supplied to the engineer. The engineer shall not be liable for any incorrect or misleading utility information indicated or not indicated on these plans. Contractor shall verify all existing utility locations prior to starting construction.

Provide smooth transitions from new areas to existing features as necessary for this project.

All areas where existing pavement or pavements are damaged during construction from heavy traffic or equipment, fuel, oil, gasoline, etc. by the general contractor, subcontractor or supplier shall be reconstructed and paved at a minimum to its original condition after the construction work is completed, at contractor's expense.

All concrete sidewalks are not to exceed a max. Longitudinal slope of 3/4" per foot. Control joints at 5'-0" to 10'-0" on center max. And expansion joints, 40'-0" on center, unless otherwise noted or indicated on the plans. Use consistent spacing.

The general contractor shall verify all dimensions in the field before starting construction. The general contractor shall be responsible for all field dimensions. If any discrepancies are found in these plans from actual field conditions, the general contractor shall contact the engineer immediately.

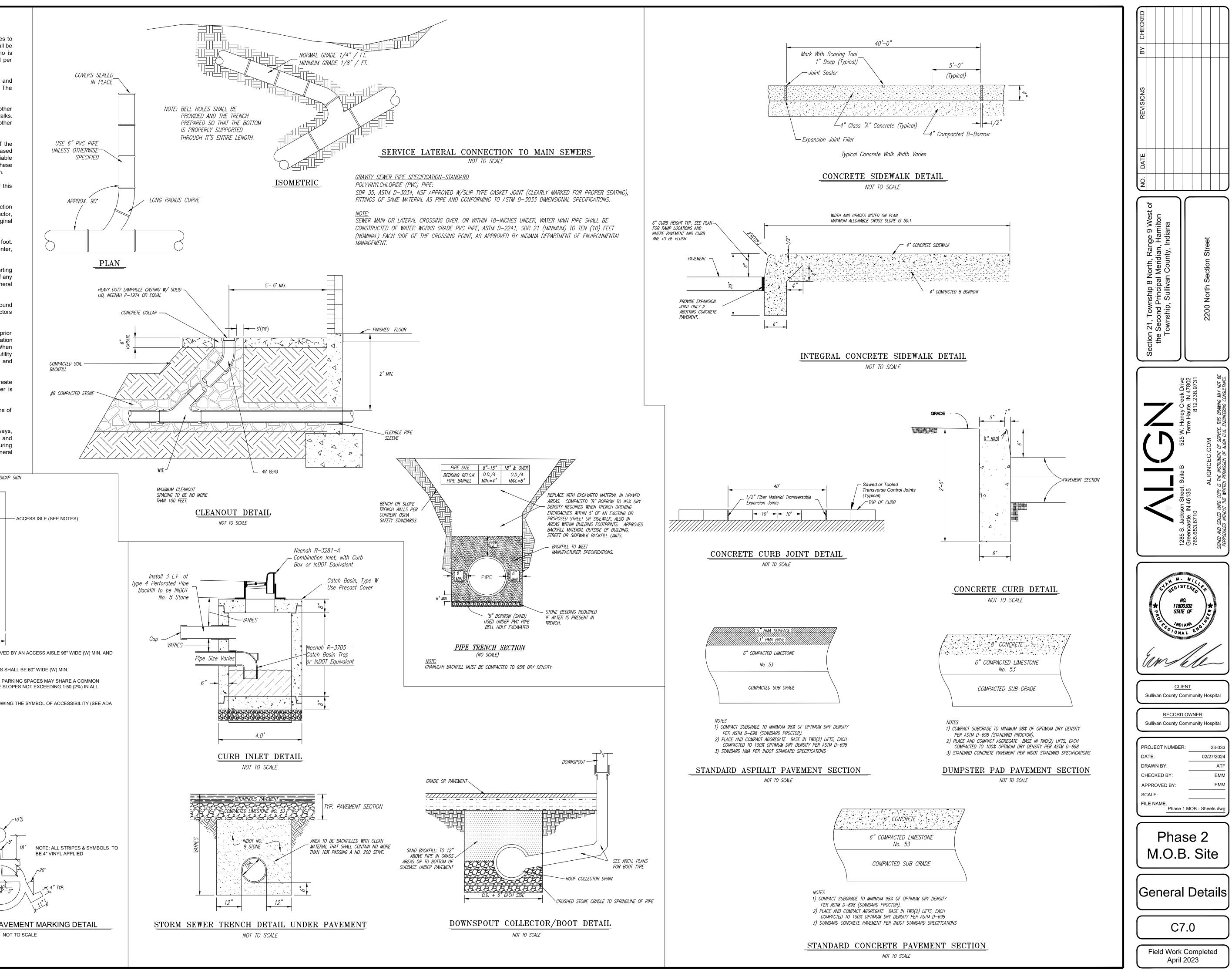
The excavating contractor must take particular care when excavating in and around existing utility lines and equipment. Verify min. cover requirements by utility contractors and/or utility companies to avoid any damage to the existing utilities.

It is the general contractor's responsibility to notify all utility companies 72 hours prior the start of construction and to verify if any utilities are present on site. All verification (location, size, and depth) shall be made by the appropriate utility companies. When excavation is around or over existing utilities, the contractor must notify the utility company so a representative of the utility company can be present to instruct and observe during the excavation.

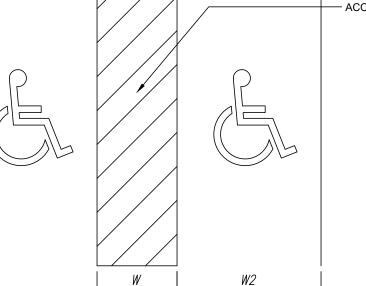
Care should be exercised during construction. The traffic of all equipment may create pumping and general deterioration of the shallower soils if excess surface water is present. Proper precautionary steps must be taken to alleviate such damage.

All construction and materials shall conform to current standards and specifications of INDOT.

Any road, road shoulders, road pavement, parking pavement, curbs, driveways, sidewalks, ditches, drainage pipes and structures, fences, lawns, trees, shrubs and bushes, mailboxes, street and public signs, advertisement signs, etc., damaged during construction shall be restored, reconstructed, or replaced at the expense of the general contractor.



____ ____



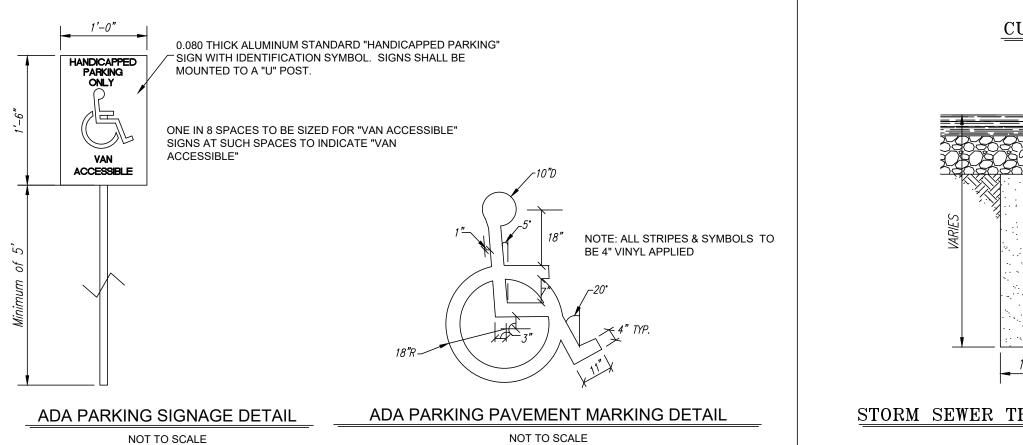
NOTES: 1. ONE IN EVERY EIGHT ACCESSIBLE SPACES, BUT NOT LESS THAN ONE, SHALL BE SERVED BY AN ACCESS AISLE 96" WIDE (W) MIN. AND SHALL BE DESIGNATED "VAN ACCESSIBLE".

2. EXCEPT AS PROVIDED IN NOTE 1, ACCESS AISLES ADJACENT TO ACCESSIBLE SPACES SHALL BE 60" WIDE (W) MIN.

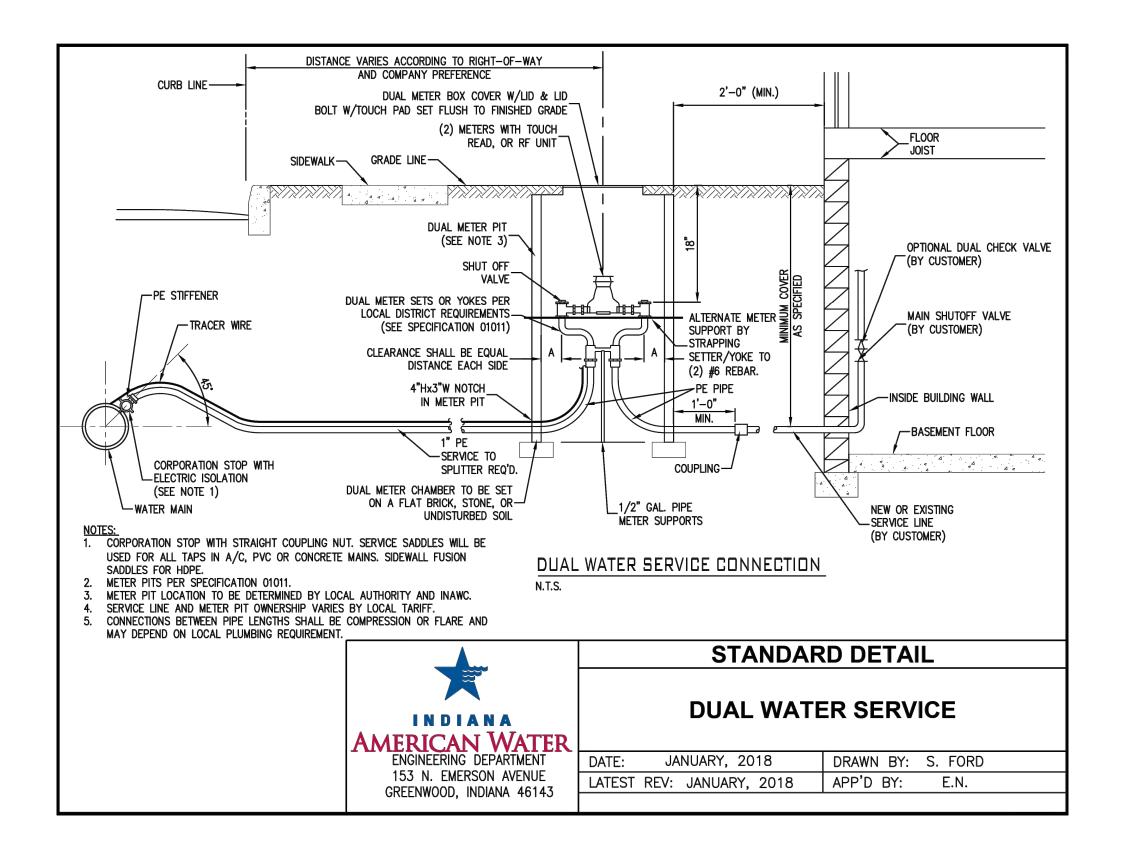
3. ACCESSIBLE PARKING SPACES SHALL BE AT LEAST 96" WIDE (W2). TWO ACCESSIBLE PARKING SPACES MAY SHARE A COMMON ACCESS AISLE. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 1:50 (2%) IN ALL DIRECTIONS.

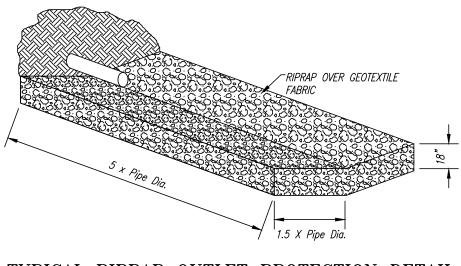
4. ACCESSIBLE PARKING SPACES SHALL BE DESIGNATED AS RESERVED BY A SIGN SHOWING THE SYMBOL OF ACCESSIBILITY (SEE ADA PARKING SIGNAGE DETAIL).



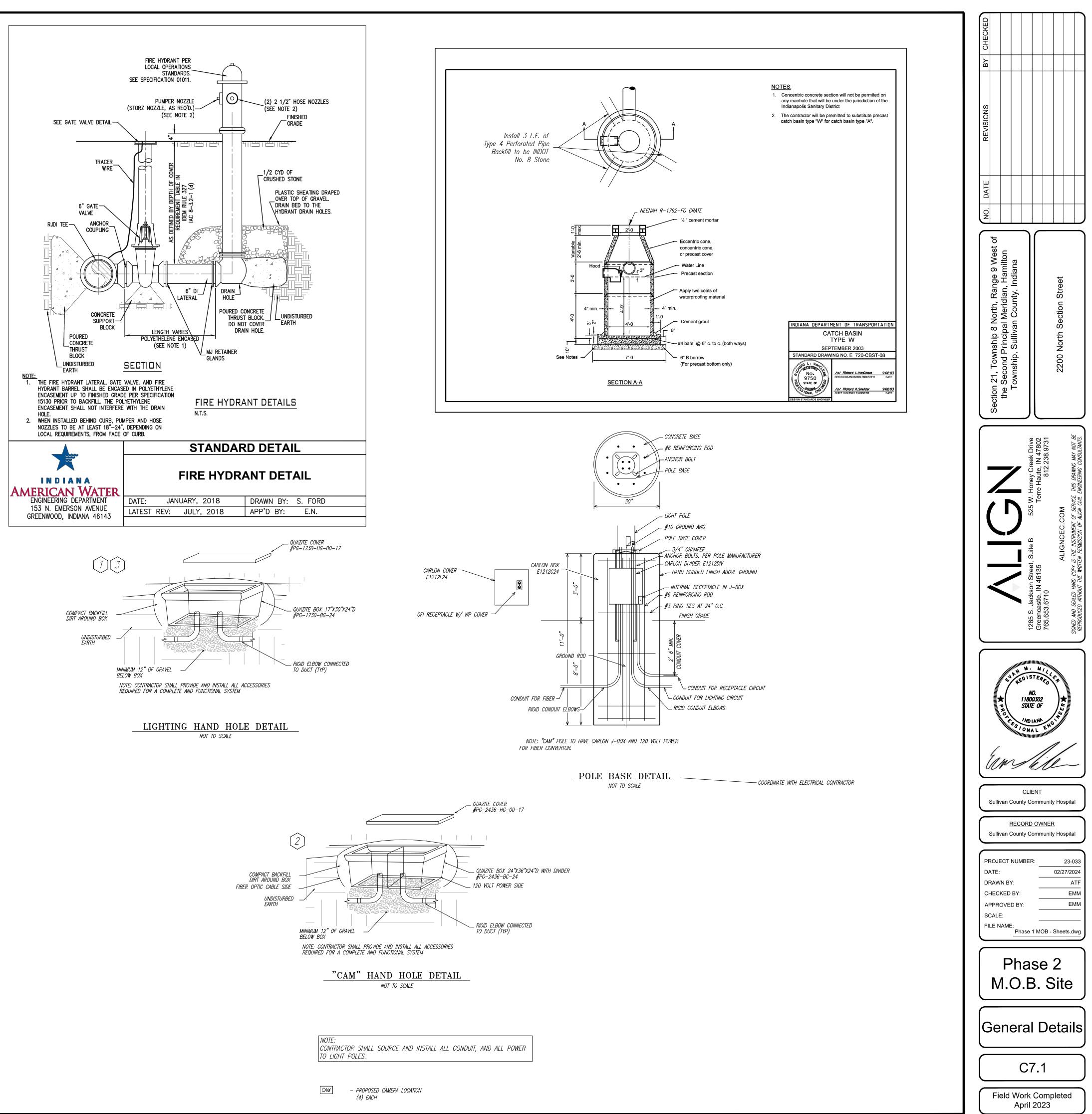


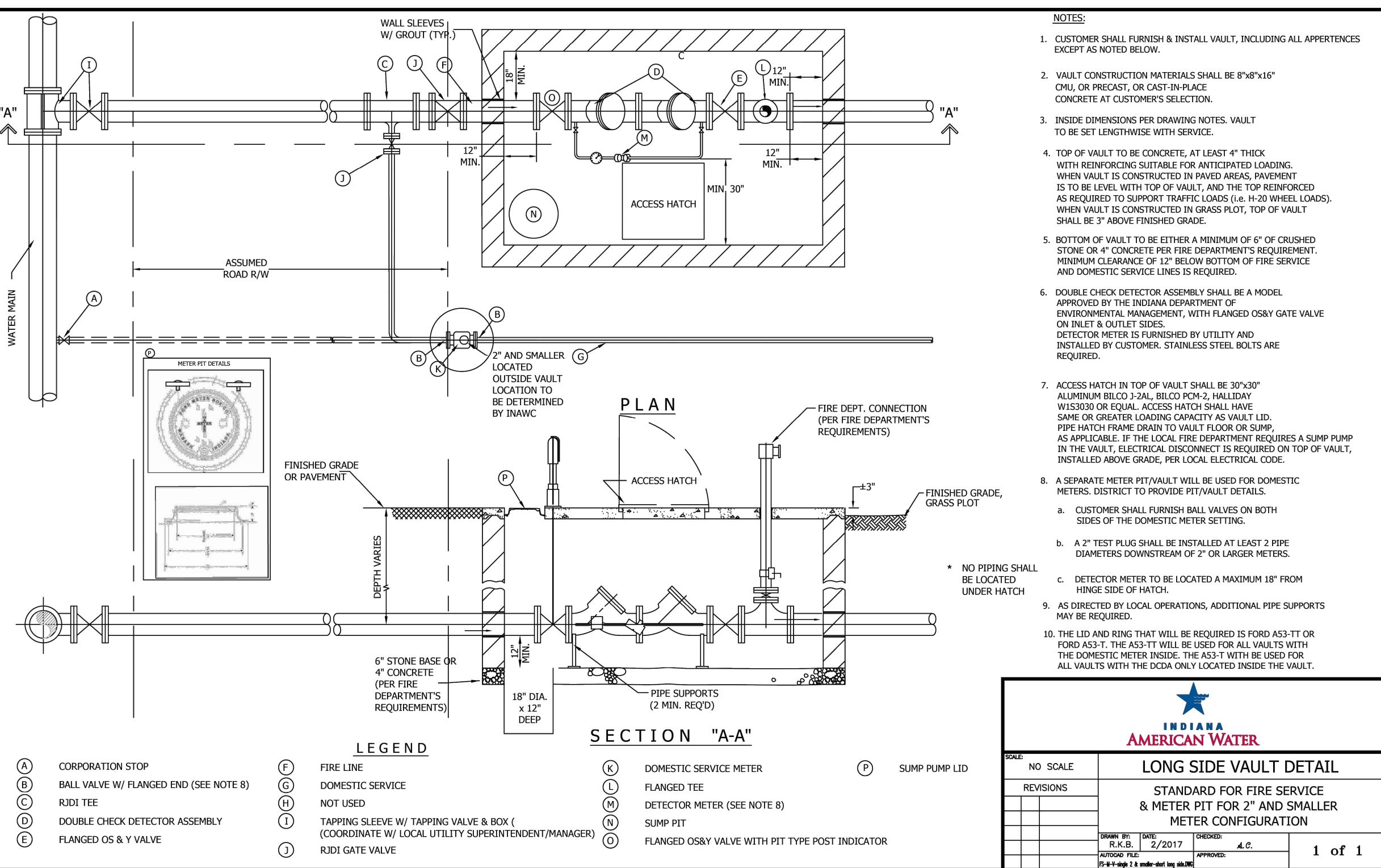
- HANDICAP SIGN





TYPICAL RIPRAP OUTLET PROTECTION DETAIL NOT TO SCALE





BY CHECKED
REVISIONS
NO. DATE
Section 21, Township 8 North, Range 9 West of the Second Principal Meridian, Hamilton Township, Sullivan County, Indiana 2200 North Section Street
1285 S. Jackson Street, Suite B 525 W. Honey Creek Drive 1285 S. Jackson Street, Suite B 525 W. Honey Creek Drive 1285 S. Jackson Street, Suite B 525 W. Honey Creek Drive 1285 S. Jackson Street, Suite B 525 W. Honey Creek Drive 1285 S. Jackson Street, Suite B 525 W. Honey Creek Drive 1285 S. Jackson Street, Suite B 525 W. Honey Creek Drive 1285 S. Jackson Street, Suite B 525 W. Honey Creek Drive 1285 S. Jackson Street, Suite B 525 W. Honey Creek Drive 1285 S. Jackson Street, Suite B 525 W. Honey Creek Drive 1285 S. Jackson Street, Suite B 525 W. Honey Creek Drive 1285 S. Jackson Street, Suite B 525 W. Honey Creek Drive 1286 AND SEALED HARD COPY IS THE INSTRUMENT OF SERVICE. THIS DRAWING MAY NOT BE REPRODUCED WITHOUT THE WATTEN PERMISSION OF ALIGN CIVIL ENGINEERING CONSULTANTS.
MO. 11800302 STATE OF MOIANNA ENGINEERING MOIANNA ENGINEERING MOIANNA COMMUNICATION MOIANNA COMUNICATION MOIANNA COMMUNICATION MO
<u>CLIENT</u> Sullivan County Community Hospital <u>RECORD OWNER</u> Sullivan County Community Hospital
PROJECT NUMBER: 23-033 DATE: 02/27/2024 DRAWN BY: ATF CHECKED BY: EMM APPROVED BY: EMM SCALE:
Phase 2 M.O.B. Site
General Details
C7.2

Field Work Completed April 2023

Section 1 - Earthwork

1. Scope of work

A) Extent: The work required under this section consists of all excavating, filling, rough grading and related items necessary to complete the work indicated on the drawings and described in the specifications. The contractor shall notify in writing the owner and the engineer of any changes, errors or omissions found on the plans or in the field before work is started or resumed.

- 1. In general, the items of work to be performed under this section shall include clearing and grubbing, removal of trees and stumps, stripping and storage of topsoil, fill compaction and rough grading of entire site. 2. Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated
- material not required shall be removed from the site. The location of dump and length of haul shall be the contractor's responsibility.
- 3. Provide and place any additional fill material from off the site as may be necessary to produce the grades required. Fill obtained from offsite shall be of kind and quality as specified for fills herein and the source approved by the owner.
- 4. The contractor shall accept the site as he finds it and shall remove all trash, rubbish and debris from the site prior to starting excavation.

2. Bench marks

A) Maintain carefully all bench marks, monuments and other reference points, if disturbed or destroyed, contractor shall contact engineer & replace at contractors expense.

3. Topographical features

A) The integrity of the topographic features (including trees) shall be persevered as much as possible. The contractor shall coordinate with owner and/or engineer prior to clearing the site for construction. B) All brush, stumps, wood and other refuse from the trees removed shall be hauled to disposal areas off of the site. Disposal by burning shall not be permitted unless proper permits are obtained (where applicable).

4. Handling of topsoil

A) Remove all organic material from the areas to be occupied by buildings, roads, walks and parking areas. Pile and store topsoil at a location where it will not interfere with construction operations. Any remaining topsoil shall be reasonably free from subsoil, debris, weeds, grass, stones, etc.

B) After completion of site grading and subsurface utility installation, topsoil shall be replaced in areas designated on the erosion control plan for seeding and/or sodding. Any remaining topsoil shall be used for finished grading around structures and landscaping areas.

5. Disposition of utilities

A) Rules and regulations governing the respective utilities shall be observed in executing all work under this section.

B) If active utilities are encountered but not shown on the drawings, the engineer shall be advised before work is continued.

C) Inactive and abandoned utilities encountered in excavating and grading operations shall be reported to the engineer. They shall be removed, plugged or capped as directed by the utility company or the engineer. D) It shall be the responsibility of each contractor to verify all existing utilities and conditions pertaining to their phase of the work. It shall also be the contractor's responsibility to contact the owners of the various utilities before work is started.

6. Site grading

A) Grades: contractor shall perform all cutting, filing, compacting of fills and rough grading required to bring entire project area to grade as shown on the drawings.

B) Rough grading: the tolerance for paved areas shall not exceed 0.04 feet plus or minus above the established subgrade. All other areas shall not exceed 0.10 feet plus or minus the established grade. All banks and other breaks in grade shall be rounded at the top and bottom. C) Compaction requirements.

- 1. All building pad areas shall be compacted to standards specified in the geotechnical report completed by a qualified geotechnical firm.
- 2. Compaction requirements of paved areas shall also be per standards specified in the geotechnical report by a qualified geotechnical firm.

7. Earth work balance

A) Align Civil Engineering Consultants makes no warranty of any kind, expressed or implied, with respect to the balance of earthwork quantities within the construction limits of this project. An attempt was made to reasonably balance the earthwork quantities based upon the available survey data, and the site graphic plan data. The size and depth of trench excavations for sewer, curb, utilities, or otherwise, was not included in these calculations, nor was allowance made for shrinkage or for unsuitable material. If an excess or shortage of earth is encountered, the contractor shall confirm with the owner and engineer the requirements for stockpiling, removal or importing of earth.

Section 2 - Streets/Parking Lot

1. Scope of work

A) The work required under this section includes all concrete and bituminous paving and related items necessary to complete the work indicated on the drawings and described in the specifications, including but not limited to:

1. All streets, parking areas within the contract limits.

2. Curbs and concrete ramps 3. Sidewalks and concrete slabs

B) In the case of any conflicts with these specifications and local, state, and federal specifications the more stringent shall apply.

2. Pavement construction

A) All street construction shall be in accordance with the plans and specifications. If there are areas undefined the current INDOT Standard specifications, latest revision shall govern. B) Flexible pavement

- 1. Materials
- a. General: use locally available materials and gradations which exhibit a satisfactory record of previous installations.
- b. Compacted aggregate base: sound, angular crushed limestone, crushed or uncrushed gravel, or crushed or processed air cooled blast furnace slag. Course aggregate shall be class a. Type "0" and conform to INDOT Standard specifications section 903.
- c. Base course aggregate. Sound, angular crushed stone, crushed or uncrushed gravel, or crushed slag, sand, stone, or slag screenings. Coarse aggregates shall be class A or B and conform to INDOT Standard specifications section 903.
- d. Coarse aggregate for surface and binder mixtures: crushed stone, crushed gravel, crushed slab, and sharp edged natural sand. Surface coarse aggregates shall be class A and conform to INDOT Standard specifications section 903.
- e. Asphalt cement: petroleum asphalt cement, ap 5 with penetration of 60-70 or viscosity graded asphalt cement ac 20 conforming to INDOT Standard specifications section 903. f. Prime coat: medium cure liquid asphalt or asphalt emulsion conforming to INDOT Standard
- specifications section 406. g. Tack coat: rapid cure liquid asphalt or asphalt emulsion conforming to INDOT Standard specifications
- section 409. h. Lane marking paint: chlorinated rubber alkyd type, AASHTO m248 (fs tt-p-115), type iii.

3. Asphalt aggregate mixture

A) All bituminous mixtures are to conform to current INDOT Specifications

- 1. Surface course: hma surface 9.5mm 2. Binder course. hma intermediate 19.0mm
- 3. Base course: type: hma base 25.0mm

**provided a job mix formula for each type of asphalt prior to the beginning of the construction project

4. Surface preparation A) Remove loose material from compacted sub-base surface immediately before applying prime coat 1. Proof roll sub-grade surface with fully loaded tri-axle truck to check for unstable areas and areas requiring additional compaction.

- have been corrected and are ready to receive paving. B) Aggregate base: after placement proof, roll compacted aggregate base surface to check for unstable
- areas and areas requiring additional compaction. areas have been corrected and are ready to receive paving.

5. Placing the mix A) Per current INDOT Standards.

6. Rolling

A) Per current INDOT Standards

7. Concrete mix

A) All concrete shall be class a concrete and in accordance with section 702 of the latest INDOT standards and specifications manual. All concrete shall contain an air entrained admixture at the dosages specified by the latest INDOT standards and specifications. All concrete shall have a minimum compressive strength of 4000 psi unless otherwise specified on plans, and shall be cured and sealed per these specifications and per owner.

8. Traffic and lane markings

A) Cleaning: sweep and clean surface to eliminate loose material and dust. B) Striping: use chlorinated rubber base traffic lane-marking paint, factory mixed, quick-drying, and non-bleeding.

- 1. Color: yellow/white/blue
- a. Do not apply traffic and lane marking paint until layout and placement has been verified with architect/engineer.
- b. Apply paint with mechanical equipment to produce uniform straight edges. Apply in two coats at manufacturer's recommended rates.

9. Field quality control

- A) Testing and inspection service:
- control during paving operations. in progress.

B) General: testing service representative shall take a minimum of two samples per lift of bituminous aggregate mix each day before paving operation. Laboratory test shall be performed on these samples to

determine aggregate gradation and asphalt content. 1. Test in-place compacted bituminous aggregate mix courses for compliance with requirements for thickness, density and air voids and surface smoothness. Repair or remove and replace unacceptable

- paving as directed by engineer
- variation.
- 1. From required thickness:
- a. Aggregate base course: 1/2", plus or minus b. Base course: 1/2", plus or minus
- c. Binder course: 1/4" plus or minus
- d. Surface course: 1/4", plus or minus
- D) Density tests: density tests shall be made at each lift. Test shall be as follows:
- areas. E) Air voids:
- tests are made, with their comments and recommendations for action. architect/engineer
- F) Surface smoothness: test finished surface for smoothness, using 10' straightedge applied parallel with, and
- tolerances for smoothness: 1. Aggregate base course surface: 1/4"
- 2. Binder course surface: 1/8"
- 3. Wearing course surface: 1/8"

Check surfaced areas at intervals as directed by testing service. G) Testing service shall submit certified results to the owner and engineer within 72 hours after test are made with their comments and recommendations for action.

- 1. Subgrade shall be prepared in accordance with INDOT standard specifications, section 207. No traffic
- shall be permitted on the prepared subgrade prior to paving.

10. Application

A) Grading: do any necessary grading in addition to that performed in accordance with earthwork section to bring subgrades after final compaction, to the required grades and sections for site improvements. B) Preparation of subgrade: remove spongy and otherwise unsuitable material and replace with stable material. No traffic will be allowed on prepared subgrade prior to paving C) Compaction of subgrade: the first 6 inches below the subgrade shall be compacted to at least 100% of the maximum dry density as determined by the provisions of AASHTO 99. Water shall be prevented from

D) Utility structures: check for correct elevation of all manhole covers, valve boxes and similar structures located within areas to be paved and make, or have made, any necessary adjustments in such structures.

- no concrete on a muddy or frozen subgrade.
- clean and smooth immediately before concreting.
- INDOT Specifications latest revisions shall be followed.
- F) Concrete curb:
- 100 feet.
- center. cornerstone 1/4 inch radius and other corners to radii shown.
- G) Concrete walks and exterior steps slopes at walk intersections as necessary to provide proper drainage.
- drawings.

H) Curing concrete for walks and curbs: except as otherwise specified, cure all concrete by one of the methods described in section 501.17 of the INDOT Specifications, latest revision. I) Bituminous pavement: hot mix asphalt pavement shall be as specified in section 402 of the i.n.d.o.t. Specifications latest revisions, paving will not be permitted during unfavorable weather or when the temperature is 40 degrees f and falling.

J) Compacted aggregate sub-base. The thickness shown on the drawings is the minimum thickness of the full

2. See site grading, under "earthwork" section for additional compaction requirements.

standing on the compacted subgrade.

E) Placing concrete:

2. Notify contractor of unsatisfactory conditions. Do not begin paving work until deficient sub-base areas

1. Notify contractor of unsatisfactory conditions. Do not begin paving work until deficient aggregate base

2. Remove loose material from compacted aggregate base surface immediately before applying prime coat

1. Owner shall employ a testing laboratory to perform pavement testing and inspection service for quality

2. Testing service shall have representative present to observe and perform tests at all times paving work is

C) Thickness: in-place compacted thickness will not be acceptable if exceeding the following allowable

1. Test will be required at various times and locations for sub-grade and base courses for asphalt paving

1. Testing service shall submit certified results to the owner and architect/engineer within 72 hours after

2. Pavement which fails to comply with approved job mix formula shall be replaced as directed by the

at right angles to centerline of paved area. Surface will not be acceptable if exceeding the following

1. Subgrade: place concrete only on a moist, compacted subgrade or base free from loose material. Place

2. Forms: all forms shall be free from warp, tight enough to prevent leakage and substantial enough to maintain their shape and position without springing or settling, when concrete is placed. Forms shall be

3. Placing concrete. Concrete shall be deposited so as to require as little rehandling as practicable, when concrete is to be placed at an atmospheric temperature of 35 degrees F or less, paragraph 702.10 of the

1. Expansion joints shall be 1/2 inch thick premolded at ends of all returns and at a maximum spacing of

2. Contraction joints unless otherwise provided, contraction joints shall be sawed joints spaced 25 feet on

3. Finish tamp and screed concrete as soon as placed, and fill any honey combed places. Finish square

1. Slopes: provide 1/4 inch per foot cross slope unless otherwise noted on plans. Make adjustments on a. Dimensions: walks and steps shall be one course construction and of widths and details shown on the

2. Finish: screed concrete and trowel with a steel trowel to a hard dense surface after surface water has disappeared. Apply medium broom finish and scribe transverse joints at 5 foot spacing. Provide 1/2 inch expansion joints where sidewalks intersect and at a maximum spacing of 40 feet between expansion

compacted sub-base. Along curbs, headers and walls and at all places not accessible to the roller, the aggregate material shall be tamped with mechanical tampers or with approved hand tampers. K) Concrete ramps

- 1. Concrete ramps for the disabled shall be required as specified in the plans and shall conform to current specifications established by the American disabilities act (ADA), section 4.7, "Curb Ramps'. 2. The concrete ramp shall be flush and free of abrupt changes with sidewalks, gutters or streets, and
- provide a maximum slope of 1:12. 3. The minimum width of a concrete ramp shall be (48) inches exclusive of flared sides.

Section 3 - Storm Sewer Systems

1. Scope of work

A) The work under this section includes all storm sewers, storm water inlets, manholes, and related items, including excavating and backfilling necessary to complete the work shown on the drawings. B) In the case of any conflicts with these specifications and local, state, federal specifications the more stringent shall apply.

2. Storm sewer construction

- A) Storm sewers: 1. Storm sewer structures shall comply with current specifications of INDOT In respect to design and quality of construction.
- 2. All storm sewer construction inside public right-of-way either existing or to be dedicated, shall be in accordance with the most current INDOT standard specifications.
- 3. Where reinforced concrete pipe is shown on the construction plans, it shall be in accordance with ASTM C 76 class iii wall "C" unless otherwise specified on the plans.
- 4. Where corrugated metal pipe is shown on the construction plans, it shall be 14 gauge aluminized unless otherwise specified and shall have the connecting bands and seals as specified by the manufacturer. CMP shall be aluminized pipe in accordance with ASTM A 444.
- 5. Where HDPE pipe is shown on the construction plans, it shall be Hancor hi-q or equivalent. 6. Manholes, catch basins, dry wells and inlets shall be precast concrete. Use of brick or block will not be permitted.
- a. If the contractor elects to use alternate precast structures, he shall submit shop drawings to the engineer prior to any construction.
- 7. Precast concrete and steel for manholes and inlets shall be in accordance with ASTM C 478.
- 8. Castings shall be as shown on the structure data table for manufacturer, type and model number. 9. B-borrow backfill shall be required under all pavement areas, sidewalks, driveways and trenches within five (5) feet of the edge of pavement
- 10. All trenches under pavement shall be compacted to 95 percent modified proctor.

3. Application

A) Permits and codes: the intent of this section of the specifications is that the contractor's bid on the work covered herein shall be based upon the drawings, specifications and that the work shall comply with all applicable codes and regulations as amended by any waivers. The contractor shall furnish all bonds necessary to get permits for cuts and connections to existing sewers.

B) Local standards: the term "local standards" as used herein means the standards of design and construction of the owner, respective municipal department or utility company. C) Existing improvements: the contractor shall maintain in operating condition all active utilities, sewers and

other drains encountered in the sewer installation. The contractor shall repair to the satisfaction of the owner any damage to existing active improvements. D) Workmanship: this work shall conform to all local, state and national codes and to be approved by all local

and state agencies having jurisdiction. E) Trenching: lay all pipe in open trenches, except when the local authority gives written permission for tunneling. Open the trench sufficiently ahead of pipe-laying to reveal any obstructions. Sheet and brace trench as necessary to protect workmen and adjacent structures. All trenching is to comply with OSHA Standards. Keep trenches free from water while construction is in progress. Under no circumstances shall pipe or appurtenances be laid in standing water. Conduct the discharge from trench de-watering to drains or natural drainage channels.

F) Special supports: whenever, in the opinion of the engineer, the soil at or below the pipe grade is unsuitable for supporting sewers and appurtenances specified in this section, such special support, in addition to those shown or specified, shall be provided as the engineer may direct and the contract will be adjusted.

G) Backfilling: backfill shall be placed as shown in the plans. Compact this backfill thoroughly, taking care not to disturb the pipe. Backfill under and within 5 feet of walks, parking areas, driveways and streets shall be b-borrow or equivalent granular material and thoroughly compacted by approved methods.

H) Manhole inverts: construct manhole flow channels of concrete sewer pipe or brick, smoothly finished and of semicircular section conforming to the inside diameter of the connecting sewers. Make changes in size or grade gradually and changes in direction by true curves. Provide such channels for all connecting sewers at each manhole.

I) Utilities: it shall be the responsibility of the contractor to verity all existing utilities and conditions pertaining to his work. It shall also be the contractor's responsibility to contact the owners of the various utilities before work is started. The contractor shall notify in writing the owner and the engineer of any changes, errors or omissions found on these plans or in the field before work is started or resumed.

Section 4 - Water Line System

1. Scope of work

A) The work under this section includes all water main, fire hydrants, services and related items. Including excavating and backfilling necessary to complete the work shown on the drawings.

2. Materials

A) All materials shall conform to all local, state, and national codes and shall be approved by all local and state agencies having jurisdiction.

B) All mechanical joints shall be manufactured by mega-lug. C) All tapping sleeves must be stainless steel.

3. Application

A) Permits and codes: the intent of this section of the specifications is that the contractor's bid, on the work covered herein, shall be based upon the drawings and specifications and that the work shall comply with all applicable codes and regulations as amended by any waivers. The contractor shall furnish all bonds necessary to get permits for cuts and connections to existing water mains and to perform the work outlined within these construction plans.

B) Local standards: the term "local standards" as used herein means the standards of design and construction of the respective municipal department or utility company. C) Existing improvements: line contractor shall maintain, in operating condition, all active utilities, sewers and

other drains encountered during installation. The contractor shall repair, to the satisfaction of the owner, any damage to existing active improvements.

D) Workmanship: this work shall conform to all local, state and national codes and to be approved by all local and state agencies having jurisdiction. This includes all required cleaning and testing procedures required by the state and local agencies.

E) Trenching: lay all pipe in open trenches, except when the local authority gives written permission for tunneling. Open the trench sufficiently ahead of pipe-laying to reveal any obstructions. The minimum width of trench shall be per plan details. Sheet and brace trench as necessary to protect workmen and adjacent structures. All trenching is to comply with OSHA standards. Keep trenches free from water while construction is in progress. Under no circumstances shall pipe or appurtenances be laid in standing water. Conduct the discharge from trench de-watering to drains or natural drainage channels.

F) Special supports: whenever, in the opinion of the engineer, the soil at or below the pipe grade is unsuitable for supporting pipe and appurtenances specified in this section, such special support in addition to those shown or specified, shall be provided as the engineer may direct and the contract will be adjusted.

G) Backfilling: backfill shall be placed as shown in the plans. Compact this backfill thoroughly, taking care not to disturb the pipe backfill under and within 5 feet of walks, parking areas, driveways and streets. Backfill shall be b-borrow or equivalent granular material only and thoroughly compacted by approved methods.

H) Utilities: it shall be the responsibility of the contractor to verify all existing utilities and conditions pertaining to his work. It shall also be the contractor's responsibility to contact the owners of the various utilities before work is started. The contractor shall notify in writing the owner and the engineer of any changes, errors or omissions found on these plans or in the field before work is started or resumed.

Section 5 - Sanitary Sewer Systems

1. Scope of work

A) The work under this section includes all sanitary sewers, manholes, cleanouts and related items, including excavating and backfilling, necessary to complete the work shown on the drawings. Starting outside the building walls, the end of the sewers shall be tightly plugged or capped at the terminal points. Adjacent to the building, drain as specified in the plumbing specifications and/or architectural drawings.

2. Materials A) Sanitary Sewers:

- 1. All gravity plastic sewer pipe fittings shall conform to ASTM D3034 with a cell classification of 12454-B or 12454-C. Flexible gasketed compression joints shall be used for PVC & PVC truss pipe. No solvent cement joints shall be allowed.
- 2. ABS sewer pipe and fittings shall conform to ASTM D2680 latest revision. Sanitary sewer tape shall be installed with all new sanitary pipe and laterals. Tape shall be installed one foot above proposed sewer. B) Manholes:
- 1. Precast reinforced concrete manhole sections and steps shall conform to ASTM C-478 latest revision. Exterior of the manhole shall be waterproofed with bismatic material.
- 2. Castings shall be of uniform quality, free from blow holes, porosity, hard spots, shrinkage distortion or other defects. They shall be smooth and well-cleaned by shot-blasting or by some other approved method. They shall be coated with asphalt paint which shall result in a smooth coating that is tough and tenacious when cold but not tacky or brittle. They shall be gray iron meeting ASTM A 48 latest revision. 3. Joints: manhole sections shall be joined with a nominal 1/2 inch size butyl rubber base gasket material,
- conforming to AASHTO M-198 and federal specification SS-S-210A. Joint conforms to ASTM C-443. 4. Manholes shall include steps. Sanitary sewer standards revisions shall be that steps are to be copolymer
- polypropylene coated steel reinforcing or an approved noncorrosive fiberglass material. The copolymer polypropylene shall meet the requirements of astnid-4101 with deformed 3/8 inch diameter or larger reinforcing steel conforming to ASTM A-615, grade 60. Steps shall be a maximum of 24 inches from top, 24 inches from bottom and 16 inches spacing between.

3. Application

A) Permits and codes: the intent of this section of the specifications is that the contractor's bid, on the work covered herein, shall be based upon the drawings and specifications and that the work shall comply with all applicable codes and regulations as amended by any waivers. Contractor shall furnish all bonds necessary to get permits for cuts and connections to existing sewers.

B) Local standards: the term "local standards" as used herein means the standards of design and construction of the respective municipal department or utility company. C) Existing improvements: the contractor shall maintain, in operating condition, all active utilities, sewers and

other drains encountered in the sewer installation. The contractor shall repair, to the satisfaction of the owner, any damage to existing active improvements.

D) Workmanship: this work shall conform to all local, state and national codes and to be approved by all local and state agencies having jurisdiction.

E) Trenching: lay all pipe in open trenches, except when the local authority gives written permission for tunneling. Open the trench sufficiently ahead of pipe-laying to reveal any obstructions. Sheet and brace trench as necessary to protect workman and adjacent structures. All trenching is to comply with OSHA Standards. Keep trenches free from water while construction is in progress. Under no circumstances shall pipe or appurtenances be laid in standing water. Conduct the discharge from trench de-watering to drains or natural drainage channels.

F) Special supports: whenever, in the opinion of the engineer, the soil at or below the pipe grade is unsuitable for supporting sewers and appurtenances specified in this section, such special support in addition to those shown or specified, shall be provided as the engineer may direct, and the contract will be adjusted.

G) Backfilling: backfill shall be placed as shown in the plans. Compact this backfill thoroughly, taking care not to disturb the pipe. Backfill under and within 5 feet of walks, parking areas, driveways and streets shall be #8 stone only and thoroughly compacted by approved methods.

H) Leakage testing: the contractor shall furnish the necessary equipment to test sewers for infiltration. All sanitary sewer gravity lines, upon completion, shall be required to pass all tests as specified and required by the appropriate city sewer department. Contractor must provide 24 hour notice to the appropriate city sewer department prior to any testing activities.

I) Hydrostatic test a hydrostatic test shall be performed with a minimum of two (2) feet of positive head. The rate of exfiltration or infiltration shall not exceed two hundred (200) gallons per inch of pipe diameter per linear mile per day.

J) Low pressure air test: a low pressure air test shall be conducted in accordance with ASTM F1417, standard test method for installation acceptance of plastic gravity sewer lines using low pressure air, for plastic pipe.

K) All sanitary sewer manholes shall also be air tested in accordance with ASTM C1244-93, standard test method for concrete sewer manholes by negative air pressure (vacuum) test. L) Flushing sewers

Flush all sanitary sewers except building sewers with water to obtain free flow low through each line. Remove all silt and trash from appurtenances just prior to acceptance of work.

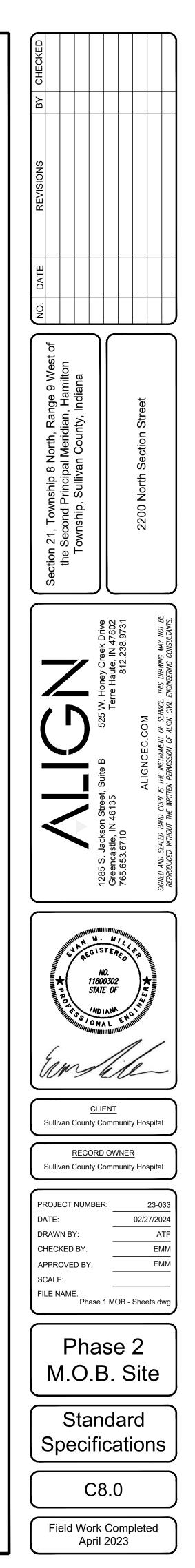
M) Plastic sewer pipe installation: plastic sewer pipe shall be installed in accordance with ASTM D2321 per latest revision. Pipes shall be tested after thirty days, using a mandrel that is 95% of the inside diameter of the pipe being tested. Said mandrel shall be pulled by hand through each pipe section to ensure detection is less than acceptable limits.

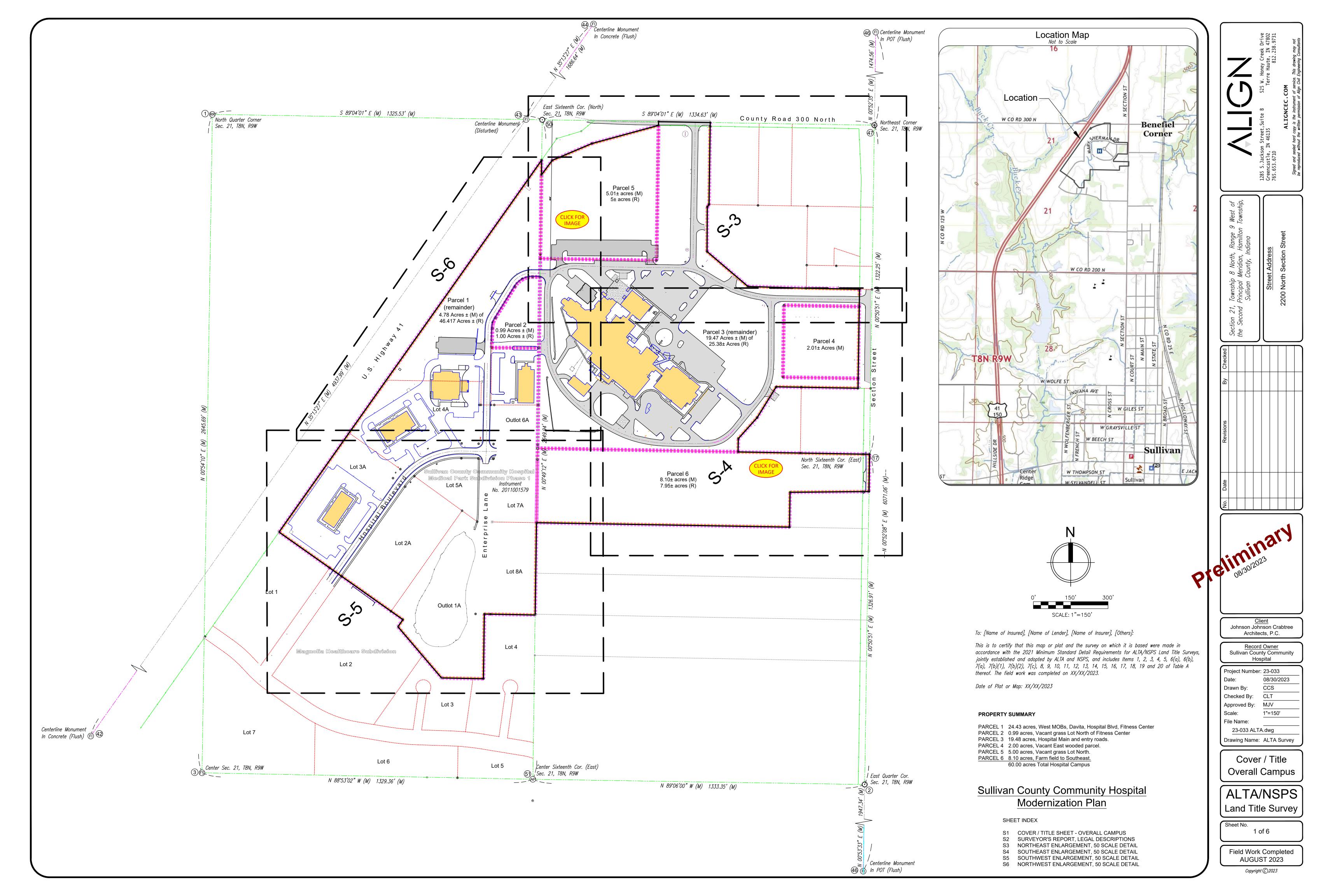
N) Storm water connections: no roof drains, footing drains and/or surface water drains may be connected to the sanitary sewer systems, including temporary connections during construction.

O) Waterline crossing: where water lines and sanitary sewers cross and water lines cannot be placed above the sewer with a minimum of 18 inches vertical clearance, the sewer must be constructed of water works grade ductile iron pipe with mechanical joints within 10 feet of the water line.

P) Utilities: it shall be the responsibility of the contractor to verity all existing utilities and conditions pertaining to his work. It shall also be the contractor's responsibility to contact the owners of the various utilities before work is started. The contractor shall notify in writing the owner and the engineer of any changes, errors or omissions found on these plans or in the field before work is started or resumed.

Q) Service laterals: individual building lines shall be 6 inches in diameter and of material equal to that specified in 2a of this section. Service lines shall be connected to the main sewer at locations shown in these plans. Changes in lateral location must be approved by local sanitary sewer authority or project engineer.





Surveyor's Report

This survey was performed wholly under the direction of the undersigned registered land surveyor, and to the best of the registered land surveyor's knowledge and belief was executed according to the survey requirements in 865 IAC 1-12 (Rule 12)

In accordance with 865 IAC 1-12, the following information is presented concerning evidence used to establish this survey because of the following:

A. Availability and condition of reference monuments. B. Occupation or possession lines.

C. Clarity or ambiguity of the record description used and of adjoiner's descriptions and the relationship of the lines of the subject tract with the adjoiners' lines. D. The relative positional accuracy of the measurements.

The relative positional accuracy of the lines and corners established on this survey is within the specifications for an Urban Survey as defined in 865 IAC 1-12.

This is a Retracement Survey to establish the property as shown hereon.

CORNER/MONUMENT TABLE

- (1) A railroad spike was found 3 inches below grade and held as the North quarter corner of Section 21. (2) A cotton gin spindle was found flush and held as the East guarter corner of Section 21, as shown on Plat of Survey by Myers Engineering, Inc (Project No. TM09–163).
- (3) A Stone was found 2 inches above grade and held as the Center of Section 21, as shown on said Myers

Engineering Inc. survey. (4) Through (9) are 5/8-inch iron pins with caps stamped "Spires IN LS 29900015" found and held as set on said

Myers Engineering Inc. survey. (10) Through (14) are 5/8-inch iron pins with caps stamped "Myers IN LS 9400006" found as set on Plat of Survey by Myers Engineering, Inc (Project No. TM08–188–2).

(15) An 5/8-inch iron pin found as set on said Myers Engineering Inc. survey. Another 5/8 inch iron pin was found 0.2 feet West, origin unknown.

(16) and (17) are cotton gin spindles found flush and held as set on said Myers Engineering Inc. survey. (18) Through (25) are 3/4-inch iron pipes with caps stamped "FBB 8600084" found and held as set on Plat of Survey by Fredrick Boyd II dated August 2, 1992 (Deed Record 264, Page 1317).

(26) An 5/8-inch iron pin with a cap stamped "Myers IN LS 9400006" was found and held as established on Plat of Survey by Myers Engineering, Inc (Project No. TM05–264). (27) Through (29) are 5/8-inch iron pins found as set on Plat of Survey by William Mac Steele, dated December 12,

(30) Through (33) are 5/8-inch iron pins with caps stamped "Steele IN LS 29400009", no survey was found for

these monument during research. (34) Through (36) are 5/8-inch iron pins found and held as established on Plat of Survey by Myers Engineering, Inc (Project No. TM08–188) and on Plat of Survey by William Mac Steele, dated August 31, 2006.

(37) An 5/8-inch iron pin was found as set on Plat of Survey by George S. Ridgway dated September 6, 2001 (Misc. Record 149, Page 169). (38) Through (41) are 5/8-inch iron pins with caps stamped "Spires IN LS 29900015" found and held as set on

Plat of Sullivan County Community Hospital Medical Park Subdivision Phase 1 (Instrument No. 2011001579). (42) Through (44) are 1-inch brass pins in concrete found flush and held as established on State Highway Right of Way Plans for U.S. 41 (Project No. ST-F-78 (59)).

(45) and (46) are 1-inch iron pins in road pots found flush and held as established on INDOT Road Plans for Section Street (Project No. STP-7977(002))

(46) Through (50) are cotton gin spindles set this survey. (50) through (58) are 5/8-inch rebar with plastic cap stamped "Align Bndry Firm 0123" set this survey.

THEORY OF LOCATION, CONTROLLING ELEMENTS OF SURVEY:

THEORY OF LOCATION, CONTROLLING ELEMENTS OF SURVEY:

• Corners (1), (2) and (3) the North quarter corner, East quarter corner and center of section 21 respectively were found and held per previous Myers Engineering, Inc survey (Project No. TM09–163).

- Corner (47) The Northeast corner of Section 21 was re-established per said Myers survey.
- Corner (50) The East Sixteenth Corner (North) of said section was re-established per said Myers survey.
- Corner (51) The Center Sixteenth Corner (East) of said section was also re-established per said Myers survey.
- Corners (1) and (47) were held for the North line of the Northeast quarter of said section.
- Corners (1) and (47) were held for the North line of the Northeast quarter of said section.
- Corners (2) and (47) were held for the East line of said Northeast quarter.
- Corners (50) and (51) were held for the East line of the West half of said Northeast quarter. • Monuments (43) and (44) were held for the centerline of U.S. Highway 41. Said centerline was the offset 145 feet East to establish the East right of way of said highway. Said East right of way was held as the West line of Parcel 1, also being the West line of Sullivan County Community Hospital Medical Park Subdivision Phase 1
- (Instrument No. 2011001579). Monuments (45) and (46) were held for the centerline of Section Street. Said centerline was the offset 50 feet West to establish the West right of way of said street North of Corner (20). The right of way South said corner
- was established 25 feet West of said said centerline. The INDOT Road Plans for Section Street (Project No. STP-7977(002)) show the right of way break at this location. • The South right of way of County Road 300 North was established by offsetting the North line of said quarter
- South 15 feet. • Corners (4) through (9) were found and held for the South line of said subdivision as set per said Myers Survey.
- Corner (53) on the South line of said subdivision was re-established at record distance from Corners (7) and
- The East line of the West half of said Northeast quarter, as monumented this survey, was held as the East line of said subdivision an Parcel 1.
- The lot lines and easement right of way lines of Hospital Boulevard and Enterprise Lane were established per said subdivision plat. Not all corners of subdivision were found due to construction that took place after monumentation. The corners that were recovered this survey were used to establish said lines.
- Parcel 2 was established per previous Myers Engineering. Inc Survey (Project No. TM04–168). Said parcel is Lot 1 of the 2 lot Industrial Park survey by William Mac Steele, dated June 27, 2003. All corners along the West lines of Lots 1 and 2 of said survey were recovered during the course of the field work of said Myers survey. Although none of said corners were found this survey, other common found monuments made it possible to establish as originally monumented by Steele. The East line of the West half of said Northeast quarter, as monumented this survey, was held as the East line of said lots.

• Corners (18) through (25) were found and held to establish the parent tract of Parcel 3, aforementioned 1992 Boyd survey.

- The North line of Section 21 was held as the North line of Parcel 3.
- Corner (49) was set at the intersection of said North line and record angel from Corner (25).
- Corner (48) was set at record distance along said North line. • The West line of the East half of said Northeast quarter, as monumented this survey, was held as the West line
- of Parcel 3, Parcel 5 and Parcel 6.
- Corners (26) through (29) were found and held to establish the West line of the Hamilton Center Inc. land (Deed Record 271, Page 235).
- Corners (55) through (57) were monumented at record angle and distance for the Sullivan Medical and Professional Properties, LLC land (Deed Record 272, Page 12. Corners (23) and (24) were held for the North line of said land. Corner (22) was held as the Southeast corner of said land.
- Corners (30) through (32) were found and held for the South and West lines of Parcel 4. The West right of way of Section Street was held as the East line of Parcel 4. Corner (54) was set as the Northeast corner of Parcel 4, being record distance along said right of way from Corner (30).
- Corners (25), (35) and (36) were found and held as the North line of parcel 5.
- Corner (52) was set where record angle intersected the established East line of the West half of said Northeast • Corners (25) and (34) were found and held as the East line of Parcel 5.
- The South line of Parcel 5 was established where record angle from said East line intersected the established East line of the West half of said Northeast quarter.
- Corners (11) and (17) were found and held as the North line of Parcel 6.
- Corners (10) and (15) were found and held as the South line of Parcel 6. • The East line of said Section was held as the East line of Parcel 6.
- Corners (13) through (16) were found and held as the Southeast lines of parcel 6.

Surveyor's Report - continued

This survey was performed wholly under the direction of the undersigned registered land surveyor, and to the best of the registered land surveyor's knowledge and belief was executed according to the survey requirements in 865 IAC 1-12 (Rule 12)

REFERENCE MONUMENT UNCERTAINTIES:

- West of said right of way.
- found as much as 0.9 feet East of said line.
- 0.5 feet East/West. Corner (30) was found 0.5 Feet West of the West right of way line of Section Street.
- Lot 2 of the 🗆 Industrial Park 🗆 survey by William Mac Steele, dated June 27, 2003.
- on said subdivision plat.

OCCUPATION / POSSESSION LINE UNCERTAINTIES: • A woven wire fence was observed along the East right of way line of U.S. 41. Said fence was found to vary as much as 0.8 feet East/West of said line.

- A woven wire fence was observed as much as 1.3 feet West of the East line of Lot 8A.
- North of Said North line.

REFERENCE DOCUMENT UNCERTAINTIES:

- from said Parcel 1 description.
- said Sullivan County Community Hospital Medical Park Subdivision Phase 1.
- easement has been omitted.
- aforementioned 1992 Boyd survey is attached to showing both distances.
- Parcel 1 description.
- was found during the research for this survey.
- uncertainty of 53.2 feet was found in the lead in call of said utility easement, causing said easement to be
- Parcel 5 description (Instrument No. 2006004330) misclosures by 0.5 feet South.
- Medical Park Subdivision Phase Medical Park Subdivision Phase 1.
- completely marked across Parcel 3, as shown in said sketch.

Basis of bearings is the Indiana State Plane Coordinate System West Zone, Grid North. Evidence of easements has not been located in the field and is not shown on this survey plat. There may be unwritten rights associated with this survey. This certification does not take into consideration additional facts that an accurate and correct title search and/or examination miaht disclose. I affirm, under penalties for perjury, that I have taken reasonable care to redact each Social Security number in

this document, unless required by law.

Private
Ticket No: 0001723 Date of Location R Fieldwork Began: 0 Name of Private U Name of Contact:
The location of the above ground struc employee sketches

underground utilities shown hereon are based on ctures markings, record drawings and location service employee sketches, provided by others, the actual locations of which may vary upon a more detailed sub-surface inspection. No excavations were made for purpose of this survey. Before proceeding with any excavation, the proper offices should be contacted for the verification of utility types and/or locations.

Marked utilities were measured in the field. No utility laterals were marked on the surveyed land.



• 0.6 feet East/West. The monuments found along the U.S. 41 right of way were found as much as 0.6 feet

• 0.9 feet East/West. The monuments found along the East line of the West half of said Northeast quarter

• 1.4 feet East/West. A right of way marker was found disturbed 1.4 feet East of Corner (52). • 0.2 feet East/West. A 5/8-inch iron pin was found 0.2 feet West of Corner (15).

• 4.0 feet North/South. The North line of Outlot 6A in the Sullivan County Community Hospital Medical Park Subdivision Phase 1 is 4 feet South of the platted location, when compared to the established South line of

• 2.7 feet East/West. The Southwest corner of said Lot 2 was established 2.7 feet East of the position shown

• A woven wire fence was observed 3.2 feet South and as much as 5.2 feet South of the South line of Parcel

• A concrete corner post was found 3.7 feet West of the West line of Parcel 6 at Corner (11). • Remains of a woven wire fence were found along portions of the North line of Parcel 6 as much as 1.0 feet

• Parcel 1 description (Deed Record 276, Page 26) does not except the 20.79 acres land in the name of Breckenridae Properties, LLC (Instrument No. 2009003579), Said land being Magnolig Healthcare Subdivision. situated at the South end of Parcel 1. Also, the Sullivan County Community Hospital Medical Park Subdivision Phase 1 (Instrument No. 2011001579), which adioins said Maanolia Subdivision's North line, is not excepted

• Title Certificate (No. S23255452) provided by Hendrich Title Company did not contain the plat of subdivision for

• A Grant of Easement (Book 150, Page 470) describes a 0.657 acre perpetual non-exclusive access easement. Said easement is described in said Parcel 1 description, but the caption declaring said 0.657 acres as an

• Parcel 3 description (Deed Record 270, Page 243) misclosures by 50.0 feet East, due to a scriveners error (278.00 feet) which dimensions to the East of said Northeast guarter, but calls to the right of way of old U.S. Highway 41. Said error appears first in Deed Record 265, Page 21 and was carried forward to the current deed. The correct distance (228 feet) is used in the description of Deed Record 264, Page 1317, which

• Said Parcel 3 description does not except the land in the name of the Hamilton Center, Inc. (Deed Record 271, Page 235). Also, the description for Parcel 4 (Instrument No. 2020000665) is not excepted from said

• The description of said Parcel 4 appears to have been from a survey by William Mac Steele, but no survey

• A Utility Easement and a Force Main Easement, both of which are described in prior deeds (Instrument No. 2004043545 and Deed Record 276, Page 27). Said easements, Lot 1 (Parcel 2) and Lot 2 were created as part of an Industrial Park survey by William Mac Steele, dated June 27, 2003. The current deed (Instrument 2008000266) describes said Lot 1 the same as the prior deeds, but does not describe said easements. An

North of the utilities and a pump station on the south end. Plotting said easement using the record distance of 526.14 feet South of the North line of Section 21 did not fit existing utilities at all. Utilities fit better and the South end of said easement does extend beyond pump station, as shown on said survey when moving said easement to the common West corner of said Lots 1 & 2 and aligning to the west lines of said Lots. When referencing said survey and considering the common bearings in easement and lot descriptions this appears to be the intended location of said easement; although, there are still utilities outside said easement.

• A 15 foot wide underground electrical easement (Instrument No. 2017001175) is described by a centerline "as constructed". There is a sketch attached to said instrument that shows an approximate location without

dimensions. Said easement is not plotted on this survey due to said underaround electrical not being marked in this area of Parcel 1; more specifically Lot 3A and Lot 4A of the Sullivan County Community Hospital

• A 15 foot wide underground fiber optic easement (Instrument No. 2021001199) is described by a centerline "as constructed". There is a sketch attached to said instrument that shows an approximate location without dimensions. Said easement is not plotted on this survey due to said underground fiber optic not being completely marked in this area of Parcel 1: more specifically across the Sullivan County Community Hospital

A 15 foot wide underground fiber optic easement (Instrument No. 2021001198) is described by a centerline "as constructed". There is a sketch attached to said instrument that shows an approximate location without dimensions. Said easement is not plotted on this survey due to said underground fiber optic not being

Utility Locate Request Information

34 and 00017272 Request: 03/13/2023

3/23/2023 Itility Company: Mason Private Locating

Chris Mason

Flood Zone Information Flood Insurance Rate Map, Community Number: <u>1804100004A</u>

Not in a special flood zone Effective Date: March 23, 1979

Elevations are referenced to the Trimble VRS Now GPS Network (NAVD88 Datum). Horizontal Datum is Indiana State Plane Coordinates (NAD 83 Datum)

Record Description - as compiled by Hendrich Title Certificate No. S23255452 Parcel 1 (Deed Record 276, Page 26):

Part of the west half of the northeast quarter of Section 21. Township 8 North, Range 9 West, Hamilton Township, Sullivan County, State of Indiana, described as follows:

Beginning at the southeast corner of the west half of said northeast quarter of Section 21 (witness a 2 inch angle 88 feet south 00 degrees 39 minutes 05 seconds west, said angle called for in Deed record 270, Page 1073); thence north 00 degrees 39 minutes 05 seconds east (basis of bearings) 2489.73 feet (passing through a 2 inch angle at 497.88 feet and passing through an iron pin by Tibbetts at 2092.21 feet) to the southeast right-of-way of U.S. Highway 41; thence south 35 degrees 05 minutes 09 seconds west 2344.91 feet along said right-of-way to the west line of the northeast guarter of said section: thence south 00 degrees 39 minutes 05 seconds west 560.06 feet to the south line of said northeast guarter; thence south 89 degrees 32 minutes 12 seconds east 1325.96 feet to the point of beginning, containing 46.417 acres, more or less.

EXCEPT that part thereof described as follows:

Part of the Northeast Quarter, of Section 21, Township 8 North, Range 9 West, described as follows: Beginning at a point North 89 degrees 30 minutes 37 seconds West (assumed bearing) along the North line of said Section 1,331.98 feet, and South 00 degrees 39 minutes 05 seconds West 650.78 feet, from the Northeast corner of the Northeast guarter, of said Section 21, thence running South 00 degrees 39 minutes 05 seconds West 284.67 feet to an iron pin set; thence running North 89 degrees 15 minutes 38 seconds West 190.00 feet to an iron pin set; thence North 01 degrees 55 minutes 56 seconds East 78.26 feet to an iron pin set; thence along a curve to the right having a radius of 84.0 feet, and a chord of North 16 degrees 53 minutes 54 seconds East for a distance of 43.61 feet; thence North 31 degrees 56 minutes 40 seconds East 143.77 feet, thence along a curve to the right having a radius of 84.0 feet and a chord of North 60 degrees 50 minutes 01 seconds East for a distance of 81.19 feet; thence North 89 degrees 44 minutes 00 seconds East 29.66 feet to the point of beginning. Containing 1.00 acres, more or less.

Also including a perpetual non-exclusive access easement over the following described real estate: Part of the East half of the Northeast Quarter of Section 21, Township 8 North, Range 9 West, Hamilton Township, Sullivan County, State of Indiana, bounded and described as follows:

Beainning at a point in the center of County Road 300N, which point is 869.18 feet North 89 degrees 33 minutes 13 seconds West (Basis of Bearings) from an iron pin at the Northeast Corner of said Section 21; thence South 00 degrees 1 minutes 16 second West, 15.00 feet to the South right-of-way line County Road 300N; thence South 74 degrees 04 minutes 07 seconds West, 277.59 feet along said right-of-way; thence South 66 degrees 49 minutes 20 seconds West, 173.14 feet along said right-of-way; thence South 35 degrees 27 minutes 22 seconds West, 73.90 feet to the East line of the Nancy Cochran 46.417 acre tract; thence North 00 degrees 39 minutes 05 seconds East, 62.93 feet to the Southeast right-of-way line of U.S. Highway 41; thence North 35 degrees 17 minutes 39 seconds East, 104.34 feet along U.S. 41 said right-of-way; thence North 73 degrees 07 minutes 15 seconds East, 103.58 feet along said U.S. 41 right-of-way; thence North 50 degrees 30 minutes 54 seconds East, 67.15 feet to the center of County Road 300N; thence South 89 degrees 33 minutes 13 seconds East, 256.04 feet along the center of County Road 300N to the Point of Beginning and containing 0.657 acres more or less

Parcel 2 (Instrument No. 2008000266):

Part of the Northeast Quarter, of Section 21, Township 8 North, Range 9 West, described as follows: Beginning at a point North 89 degrees 30 minutes 37 seconds West (assumed bearing) along the North line of said Section 1,331.98 feet, and South 00 degrees 39 minutes 05 seconds West 650.78 feet, from the Northeast corner of the Northeast quarter, of said Section 21, thence running South 00 degrees 39 minutes 05 seconds West 284.67 feet to an iron pin set; thence running North 89 degrees 15 minutes 38 seconds West 190.00 feet to an iron pin set; thence North 01 degrees 55 minutes 56 seconds East 78.26 feet to an iron pin set; thence along a curve to the right having a radius of 84.0 feet. and a chord of North 16 degrees 53 minutes 54 seconds East for a distance of 43.61 feet; thence North 31 degrees 56 minutes 40 seconds East 143.77 feet, thence along a curve to the right having a radius of 84.0 feet and a chord of North 60 degrees 50 minutes 01 seconds East for a distance of 81.19 feet; thence North 89 degrees 44 minutes 00 seconds East 29.66 feet to the point of beginning. Containing 1.00 acres, more or less.

Subject to: 30.0 feet of even width off of the south side of the above described tract for the purpose of a common drive to be shared with Lot 2

Also, a shared common drive 30.0 feet of even width off of the North side of the following: Being a part of the Northeast quarter, of Section 21, Township 8 North, Range 9 West, of Hamilton Township, Sullivan County, second principal meridian, Indiana, and more particularly described as follows: Beginning at a point North 89 degrees 30 minutes 37 seconds West (assumed bearing) along the north line of said Section 1,331.98 and South 00 degrees 39 minutes 05 seconds West 935.46 feet, from the Northeast corner of the Northeast quarter of Section 21, Township 8 North, Range 9 West; thence running South 00 degrees 39 minutes 05 seconds West 230.00 feet to an iron pin set; thence running North 89 degrees 15 minutes 38 seconds West 191.03 feet to an iron pin set; thence North 00 dearees 44 minutes 22 seconds East 230.00 feet to an iron pin set; thence North 89 degrees 15 minutes 38 seconds East 190.0 feet to the point of beginning. (Commonly referred to as 30 feet off north side of Lot 2)

Parcel 3 (Deed Record 270, Page 243):

A part of the Northeast quarter of the Northeast quarter of Section 21. Township 8 North, Range 9 West, bounded and described as follows:

Commencing at the northeast corner of said quarter quarter; thence North 89 degrees 30 minutes 37 seconds West along the north line of said quarter quarter 660 feet to the point of beginning: thence North 89 degrees 30 minutes 37 seconds West along said north line 207.58 feet to the right of way line of U.S. 41; thence South 00 degrees 39 minutes 05 seconds West along said right of way line 15 feet; thence South 00 degrees 24 minutes 21 seconds West 543.44 feet; thence North 89 degrees 30 minutes 37 seconds West 466.86 feet; thence South 00 degrees 39 minutes 05 seconds West 761.91 feet to the southwest corner of the said quarter quarter of Section 21; thence South 89 degrees 25 minutes 25 seconds East along the south line of said quarter quarter 1.059.77 feet: thence North 00 degrees 24 minutes 21 seconds East 264.00 feet: thence South 89 degrees 25 minutes 25 seconds East 278.00 feet to the west right-of-way line of old U.S. Highway 41; thence North 00 degrees 24 minutes 21 seconds East 264.00 feet; thence South 89 degrees 25 minutes 25 seconds East 278.00 feet to the west right-of-way line of old U.S. Highway 41; thence North 00 degrees 24 minutes 21 seconds East 398.28 feet to the South line of land owned by Donald and Anita Chickadaunce, [Deed Record 237, page 661]; thence North 89 degrees 30 minutes 37 seconds West 214 feet to the southwest corner of Chickadaunce land; thence North 00 degrees 24 minutes 21 seconds East along the west line of Chickadaunce and also along the west line of land owned by Jerry and Irma Kerns, [Deed Record 259, page 549], 330 feet to the south line of land owned by Robert and Rose Duke, [Deed Record 258, page 226]; thence North 89 degrees 30 minutes 37 seconds West along the south lines of land owned by Duke, Robert and Jo Ann Halbert, [Deed Record 258, Page 182], and James and Shirley Stricklin, [Deed Record 222, Page 3521, 396 feet to the southwest corner of Stricklin land: thence North 00 degrees 24 minutes 21 seconds East along the west line of Stricklin land 330 feet to the point of beginning. Containing 25.38 acres, more or less.

EXCEPT that part thereof described as follows: Being a part of the Northeast Quarter of the Northeast Quarter of Section 21, Township 8 North, Range 9 West, of Hamilton Township, Sullivan County, Second Principal Meridian, Indiana; and more particularly described as follows: Beginning at a point South 00 degrees 24 minutes 21 seconds West (assumed bearing) along the East line of said Section 730.00 feet, and North 89 degrees 28 minutes 25 seconds West 49.74 feet from the northeast corner of the Northeast Quarter of the Northeast Quarter of Section 21, Township 8 North, Range 9 West; thence North 89 degrees 28 minutes 25 seconds West 302.50 feet to an iron pin set; thence South 00 degrees 24 minutes 25 seconds West 288.39 feet to an iron pin set; thence South 89 degrees 29 minutes 13 seconds East 302.50 feet to the West Right of Way line of North Section Street; thence North 00 degrees 24 minutes 25 seconds East 288.32 feet to the point of beginning.

Drive 47802 .9731 Record Description - continued ak 1N 238 Parcel 4 (Instrument No. 2020000665). Being a part of the Northeast Quarter of the Northeast Quarter of Section 21. Township 8 North. te, 812 Range 9 West, of Hamilton Township, Sullivan County, Second Principal Meridian, Indiana; and more particularly described as follows: Beginning at a point South 00 degrees 24 minutes 21 seconds West (assumed bearing) along the East line of said Section 730.00 feet, and North 89 degrees 28 minutes 25 seconds West 49.74 feet from the northeast corner of the Northeast Quarter of the Northeast Quarter of Section 21, Township 8 North, Range 9 West; thence North 89 degrees 28 minutes 25 seconds West 302.50 feet to an iron pin set; thence South 00 degrees 24 minutes 25 seconds West 288.39 feet to an iron pin set; thence South 89 degrees 29 minutes 13 seconds East 302.50 feet to the West Right of Way line of North Section Street; thence North 00 degrees 24 minutes 25 seconds East 288.32 feet to the point of beginning. Along with a permanent easement for ingress and egress over the following described adjacent real estate owned by Mary Sherman Hospital, a County Hospital d/b/a Sullivan County Community Hospital: Being a part of the Northeast Quarter of the Northeast Quarter of Section 21, Township 8 North, Range 9 West, of Hamilton Township, Sullivan County Second Principal Meridian, Indiana; and more particularly described as follows: Beginning at a point North 89 degrees 30 minutes 37 seconds 1285 S Greenc 765.65 West (assumed bearing) along the north line of said guarter 660.00 feet, and South 00 degrees 20 minutes 13 seconds West 20.00 feet to a point on the South County Road 300 right of way from the northeast corner of the Northeast Quarter of the Northeast Quarter, of Section 21, Township 8 North, Range 9 West; thence running South 00 degrees 20 minutes 13 seconds West 310.05 feet; thence South 01 degree 59 minutes 05 seconds West 189.09 feet; thence South 50 of, jip, degrees 00 minutes 02 seconds East 216.58 feet; thence South 88 degrees 43 minutes 58 seconds East 234.39 feet; thence South 89 degrees 28 minutes 25 seconds East 213.89 feet to the West right of way line of Section Street; thence South 00 degrees 24 minutes 25 seconds West Ne Ve along said right of way line 70.00 feet; thence North 89 degrees 28 minutes 25 seconds West 6 6 302.50 feet; thence South 00 degrees 24 minutes 25 seconds West 288.39 feet; thence South 34 nge nilto na degrees 21 minutes 29 seconds West 48.20 feet; thence South 31 degrees 09 minutes 34 seconds West 145.18 feet; thence South 41 degrees 30 minutes 22 seconds West 113.48 feet; Rai Han thence North 46 degrees 06 minutes 10 seconds West 68.93 feet; thence North 38 degrees 56 minutes 35 seconds East 162.84 feet; thence North 23 degrees 03 minutes 01 seconds East North, ridian, ınty, Ir. 118.83 feet; thence North 00 degrees 42 minutes 31 seconds West 255.70 feet; thence North 80 degrees 27 minutes 55 seconds West 74.70 feet; thence North 66 degrees 59 minutes 15 seconds West 142.20 feet; thence North 60 degrees 37 minutes 08 seconds West 125.29 feet; thence North Mei Dol 00 degrees 28 minutes 34 seconds East 566.51 feet; thence South 89 degrees 30 minutes 37 ipal ipal seconds East 89.81 feet to the point of beginning. Parcel 5 (Instrument No. 2006004330): A part of the northeast quarter of the northeast quarter of Section 21, Township 8 North, Range 9 21, ond West, described as follows: Commencing at the northeast corner of said quarter quarter, thence north 89 degrees 30 minutes 37 seconds west along the north line of said quarter quarter, 660.00 Sec feet; thence north 89 degrees 30 minutes 37 seconds west 207.58 feet to the right of way line of U.S. 41; thence south 00 degrees 39 minutes 05 seconds west along said right of way line, 15 Sec feet to the point of beginning; thence south 74 degrees 14 minutes 47 seconds west (record) south 74 degrees 19 minutes 34 seconds west (measured) along said right of way line, 277.59 feet (record) 277.17 feet (measured) to an existing iron pin; thence south 66 degrees 33 minutes 21 seconds west (record) south 66 degrees 33 minutes 21 seconds west (measured) along said right of way line 173.27 feet (record) 173.37 feet (measured); thence south 35 degrees 02 minutes 00 seconds west (record) south 34 degrees 39 minutes 04 seconds west (measured) 70.94 feet (record) 71.90 (measured) to an existing right of way marker; thence south 00 degrees 39 minutes 05 seconds west 337.06 feet to an iron pin set; thence south 89 degrees 30 minutes 57 seconds east 466.86 feet to an existing iron pin; thence north 00 degrees 24 minutes 21 seconds east 543.44 feet to the point of beginning. Containing 5 acres, more or less. Parcel 6 (Instrument No. 2007004560): Nine (9) acres off of the north end of the north half of the southeast auarter of the northeast quarter of Section 21, Township 8 North, Range 9 West. EXCEPTING therefrom the following described tract, to-wit: Beginning at the southeast corner of said 9 acre tract, which point of beginning is also 148.3 feet south of the northeast corner of said quarter quarter section at a point in the center of Old U. S. Highway 41; thence south 88 degrees 38 minutes west 25 feet to an iron pin on the right of way of Old U.S. Highway 41; thence continuing south 88 degrees 38 minutes west an additional distance of 292.1 feet to an iron pin; thence south 140 feet to an iron pin located 6 inches north of an existing fence post; thence north 89 degrees 48 minutes east 292 feet to an iron pin on the right of way line of Old U.S. Highway 41; thence continuing north 89 degrees 48 minutes east 25 feet to the centerline of said highway and the east line of said Section 21; thence north 148.7 feet along said centerline and section line to the point of beginning, containing 1.05 acres, more or less. Containing, less said exception, 7.95 acres, more or

Johnson Johnson Crabtree Architects, P.C. Record Owner Sullivan County Community Hospital

> Project Number: 23-033 08/30/2023 Date: CCS Drawn Bv: Checked By: CLT MJV Approved By: Scale: File Name: 23-033 ALTA.dwg

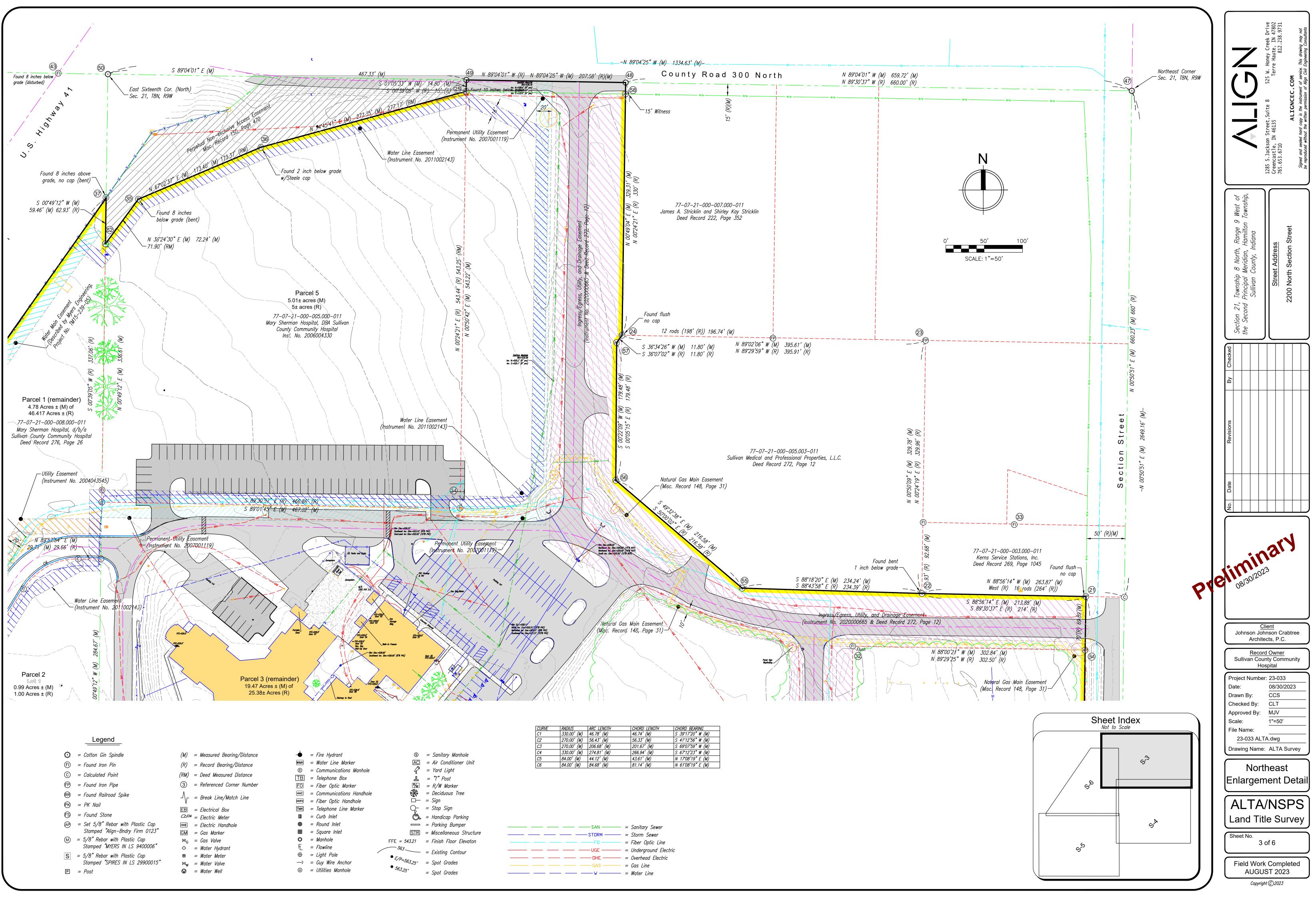
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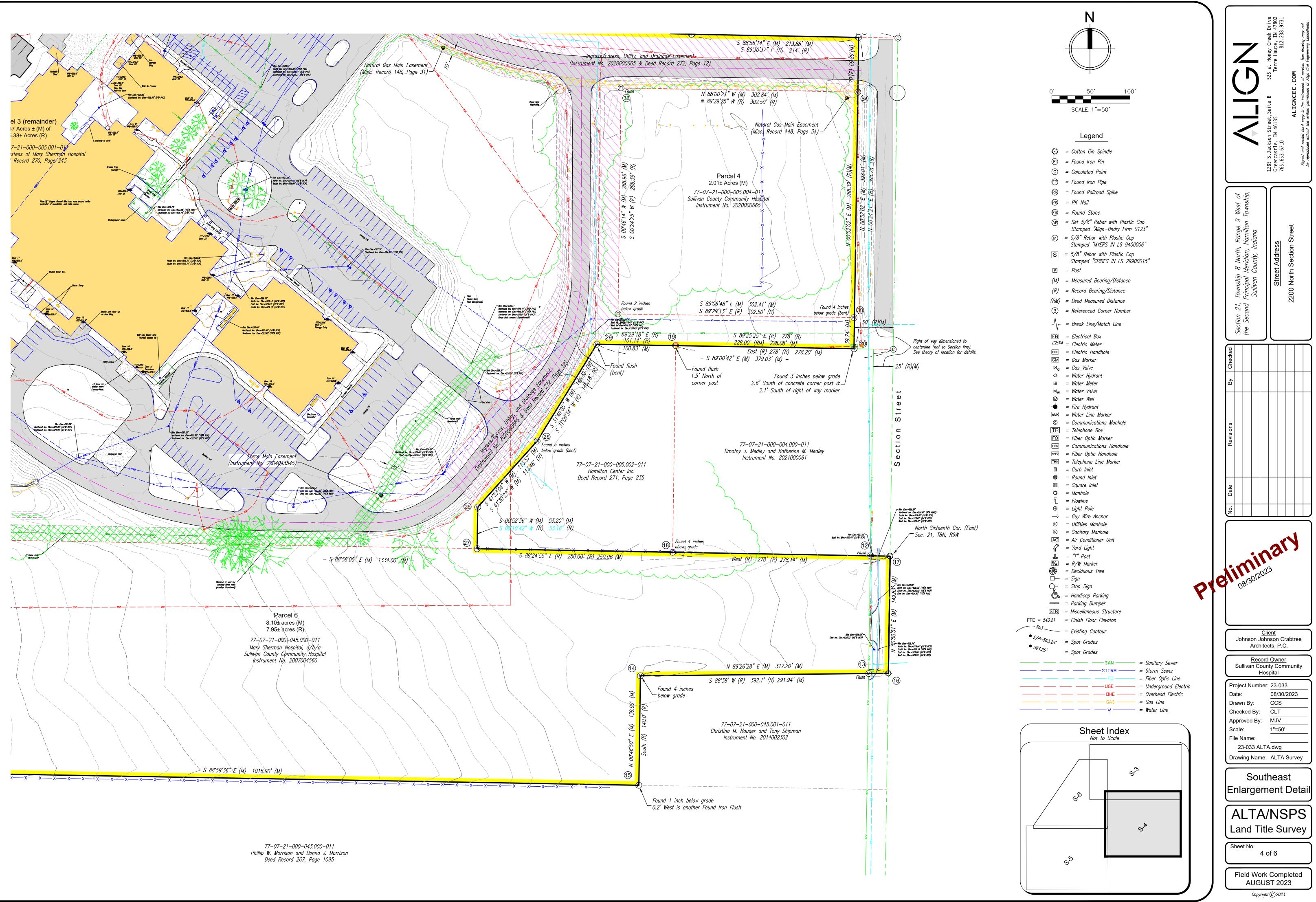
Surveyor's Report Legal Descriptions

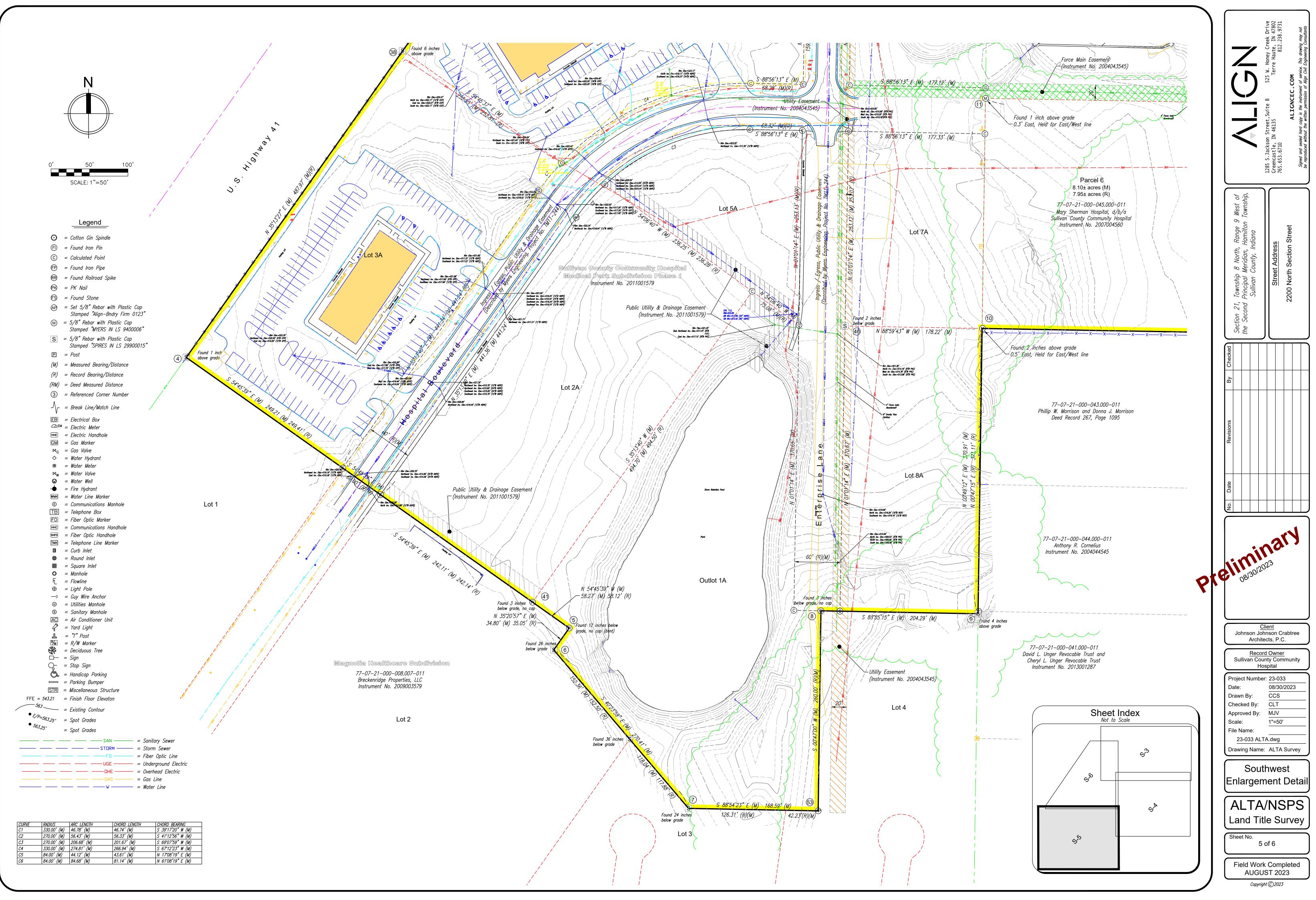
ALTA/NSPS Land Title Survey

Sheet No. 2 of 6

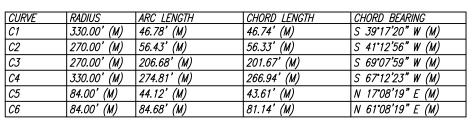
Field Work Completed AUGUST 2023 Copyright (C) 2023

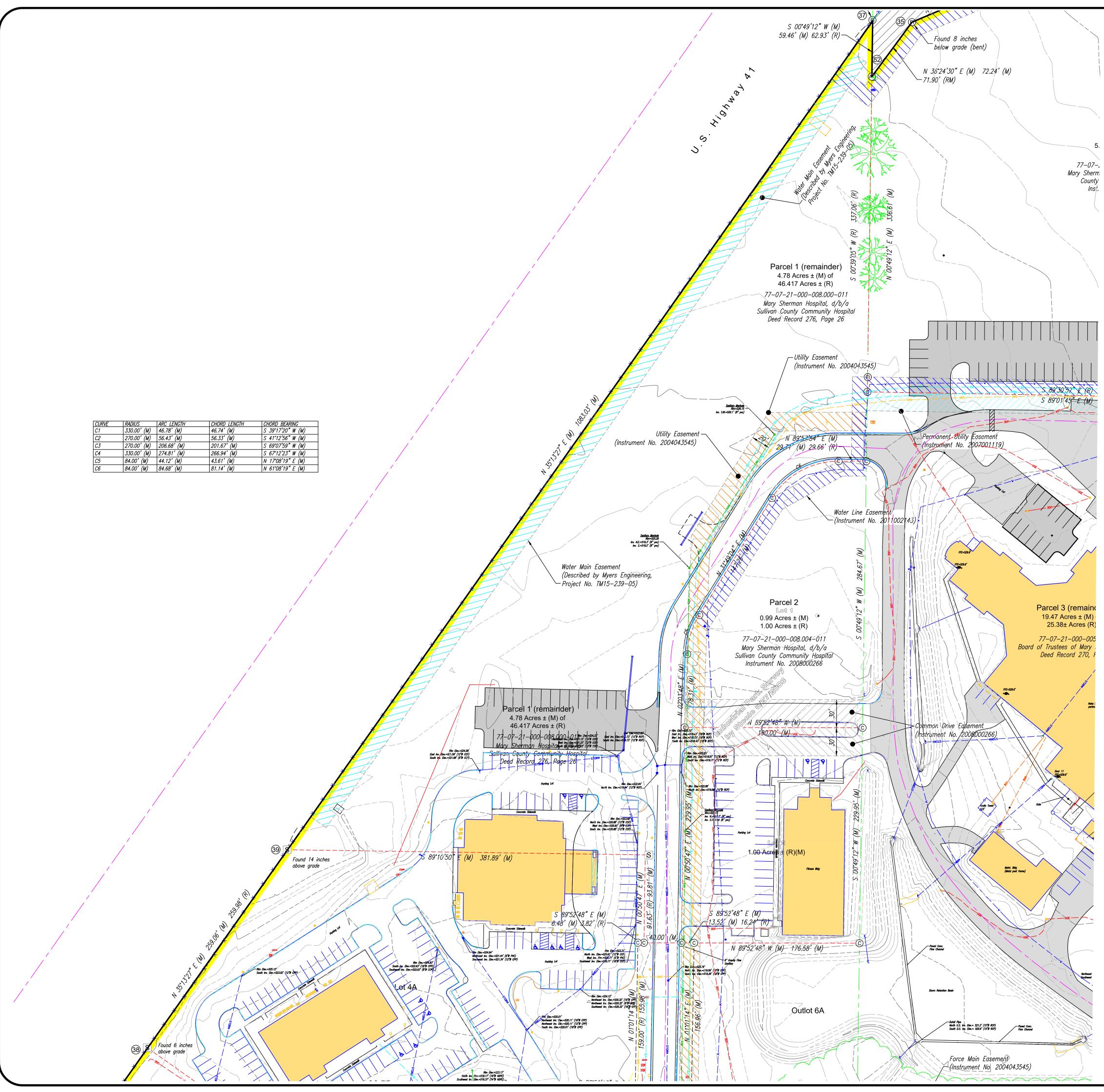


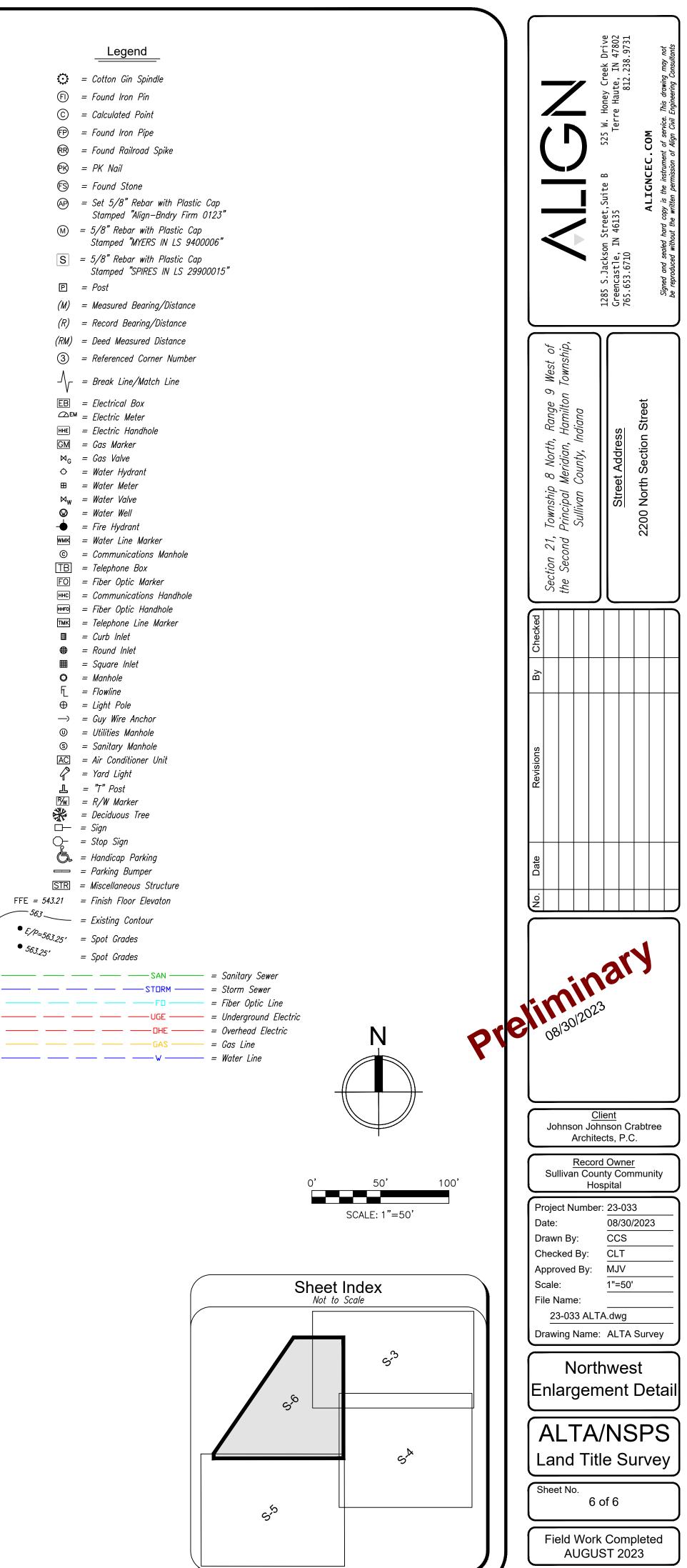




CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	330.00'(M)	46.78'(M)	46.74'(M)	S 39°17'20" W (M)
C2	270.00' (M)	56.43' (M)	56.33' (M)	S 41°12'56" W (M)
С3	270.00' (M)	206.68' (M)	201.67' (M)	S 69°07'59" W (M)
C4	330.00'(M)	274.81'(M)	266.94'(M)	S 67°12'23" W (M)
C5	84.00' (M)	44.12' (M)	43.61' (M)	N 17°08'19" E (M)
C6	84.00' (M)	84.68' (M)	81.14' (M)	N 61°08'19" E (M)







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