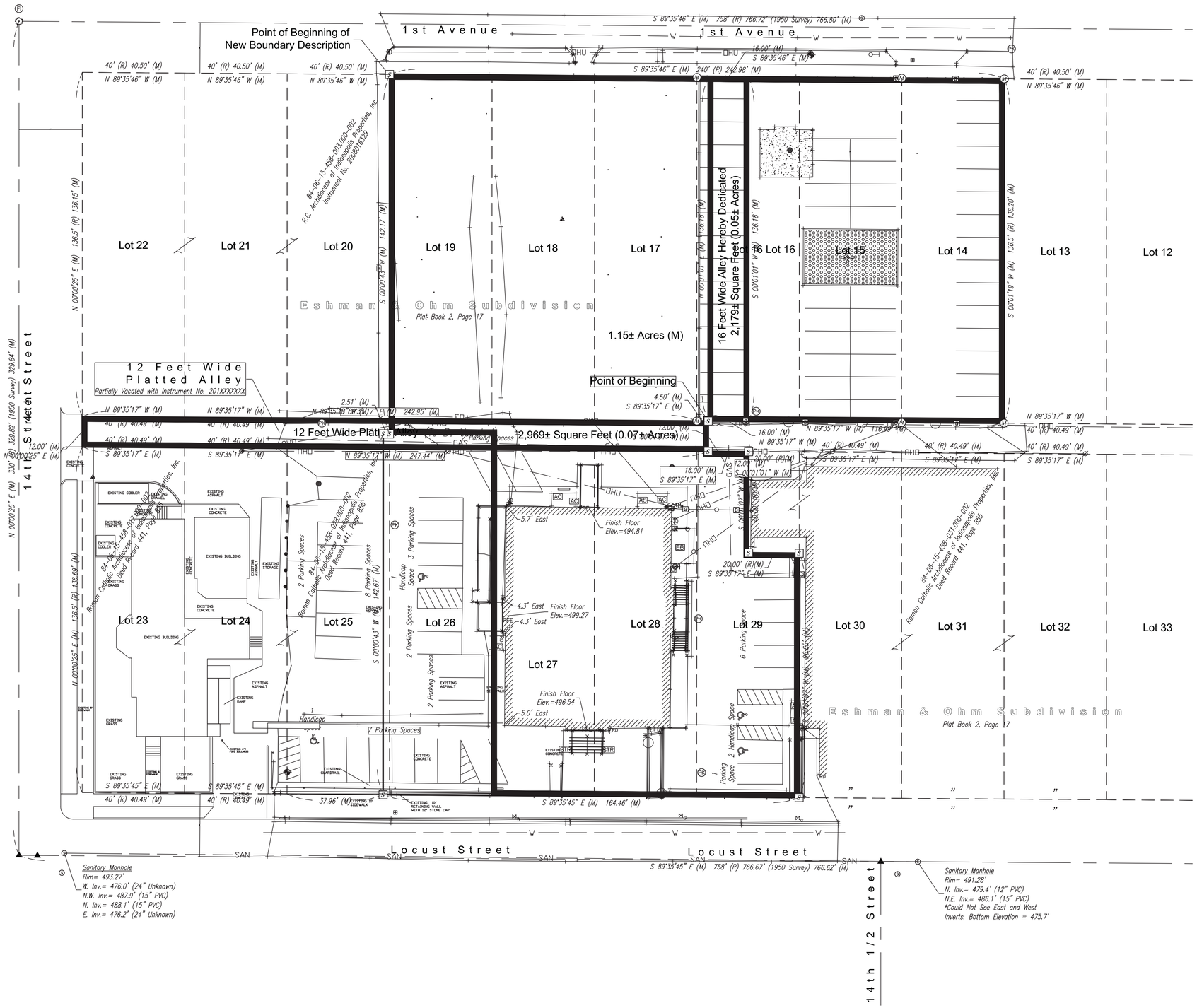

N
W E
S

EXISTING SITE PLAN
SCALE: 1" = 20'-0"

CAUTION

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811 Know what's below. Call before you dig.

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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED PROFESSIONAL ENGINEER
NO. 19901018
STATE OF INDIANA
REGISTERED
Michael R. Waldbieser

WABASH VALLEY HEALTH CENTER, INC.
1436 LOCUST STREET
TERRE HAUTE, INDIANA 47807

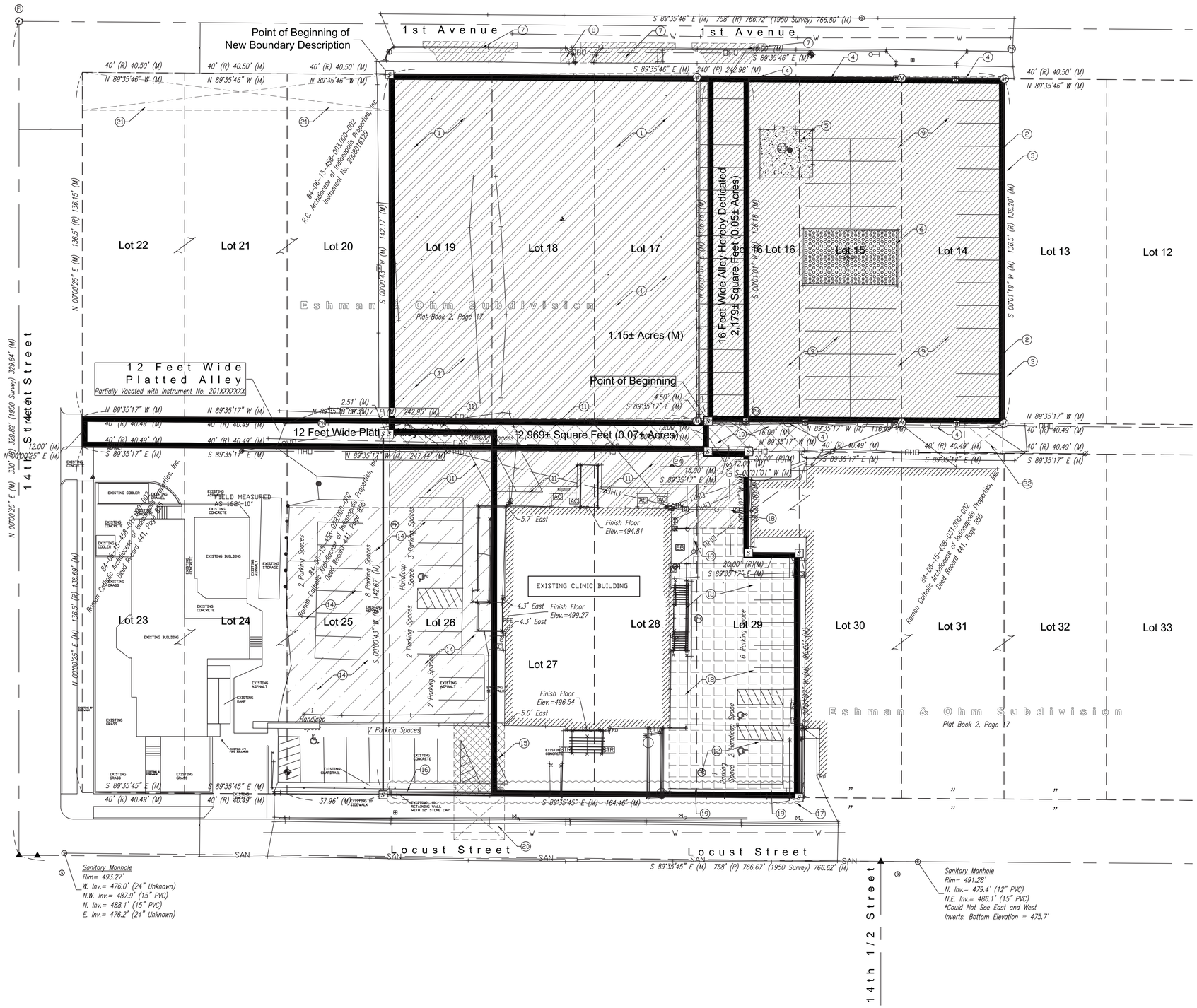
BUILDING ADDITIONS & RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: 1" = 20'-0"
DATE: 09-11-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-20
FILE: ExSite #F

C1



NUMBERED NOTES:

1. REMOVE ALL EXISTING SOILS AND CONSTRUCTION AS REQUIRED FOR NEW PARKING LOT INSTALLATION.
2. EXISTING CONCRETE CURB REMAINS ALONG THIS PROPERTY LINE.
3. REMOVE EXISTING WOOD FENCE ALONG THIS PROPERTY LINE COMPLETE.
4. REMOVE EXISTING CHAIN LINK FENCE COMPLETE ALONG THIS PROPERTY LINE.
5. REMOVE EXISTING CONCRETE AROUND EXISTING DRYWELL INLET COMPLETE. REFER TO MYERS ENGINEERING DRAWINGS FOR MORE WORK.
6. REMOVE EXISTING CONCRETE CURBS AND SEPTIC TANK GRAVEL COMPLETE.
7. REMOVE ALL EXISTING CONSTRUCTION AS REQUIRED TO INSTALL NEW CURB CUTS AND APPROACHES PER CITY OF TERRE HAUTE STANDARDS.
8. REMOVE EXISTING CURB CUT COMPLETE.
9. REMOVE ALL EXISTING ASPHALT PAVING AND ADDITIONAL UNDERCUTS AS REQUIRED TO INSTALL NEW ASPHALT PAVEMENT.
10. REMOVE ALL EXISTING ASPHALT PAVING AND ADDITIONAL UNDERCUTS AS REQUIRED TO INSTALL NEW ASPHALT PAVEMENT FROM ABANDONED ALLEY.
11. REMOVE ALL EXISTING ASPHALT PAVING AND ADDITIONAL UNDERCUTS AS REQUIRED TO INSTALL NEW CONCRETE PAVEMENT. REMOVE EXISTING CONCRETE PADS AND CHAIN LINK FENCES AROUND EXISTING A/C UNITS. REMOVE EXISTING CONCRETE ENTRY.
12. REMOVE ALL EXISTING ASPHALT PAVING/CONCRETE PAVEMENT AND ADDITIONAL UNDERCUTS AS REQUIRED TO INSTALL NEW ASPHALT PAVEMENT. REMOVE EXISTING POURED CONCRETE STAIRS COMPLETE.
13. EXISTING CHAIN LINK FENCE AROUND EXISTING GENERATOR TO REMAIN.
14. REMOVE ALL EXISTING ASPHALT PAVING AND ADDITIONAL UNDERCUTS AS REQUIRED TO INSTALL NEW ASPHALT PAVEMENT AND BUILDING ADDITION. REMOVE EXISTING POURED CONCRETE RAMP COMPLETE. REMOVE EXISTING CONCRETE PAD AND CHAIN LINK FENCE AROUND EXISTING A/C UNIT.
15. REMOVE EXISTING CONCRETE PAVEMENT AS REQUIRED TO INSTALL NEW WATER SERVICE.
16. REMOVE PORTION OF EXISTING GUARDRAIL AS SHOWN. REMOVE VERTICAL POSTS AS REQUIRED. PATCH CONCRETE PAVEMENT AFTER REMOVAL.
17. REPAIR AND/OR REPLACE EXISTING STONE CAPS AS REQUIRED. FIELD VERIFY EXTENT OF WORK. STONE CAPS TO BE SET WITH EPOXY ANCHORS.
18. REMOVE EXISTING CHAIN LINK FENCE AND GATE COMPLETE.
19. REMOVE EXISTING GUARDRAIL COMPLETE.
20. REMOVE AND REPLACE EXISTING SIDEWALK, CONCRETE CURB, RETAINING WALL, AND ASPHALT PAVEMENT AS REQUIRED TO INSTALL NEW DOMESTIC WATER SERVICE AND NEW FIRE SERVICE.
21. REMOVE EXISTING ASPHALT PAVEMENT IN PROPERTY EASEMENT AREA (15'-0 FROM NORTH PROPERTY LINE). REQUIRED TO INSTALL NEW UNDERGROUND/RELOCATED ELECTRICAL LINES. SEE SITE UTILITY PLAN.
22. REMOVE PORTION OF EXISTING ALLEY (WIDTH AS REQUIRED) TO INSTALL NEW UNDERGROUND ELECTRICAL CONDUIT. SEE SITE UTILITY PLAN.
23. REMOVE EXISTING DRYWELL COMPLETE.
24. REMOVE EXISTING DRYWELL COMPLETE. NEW DRYWELL WILL BE INSTALLED AT THIS LOCATION. SEE CIVIL DRAWINGS BY MYERS ENGINEERING.

CONSTRUCTION PHASING NOTE:

REFER TO CONSTRUCTION PHASING DRAWINGS #PH1, #PH2, AND #PH3 FOR THE CONSTRUCTION SEQUENCE OF THE PROJECT.

DEMOLITION SITE PLAN

SCALE: 1" = 20'-0"

CAUTION

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DATE	REVISIONS	BY

STATE OF INDIANA — REGISTERED — MICHAEL R. WALDBIESER — LICENSED PROFESSIONAL ENGINEER — NO. 19901018 — SPECIALTY: STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN

WABASH VALLEY HEALTH CENTER, INC.
1436 LOCUST STREET
TERRE HAUTE, INDIANA 47807

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19 SOUTH 6th STREET, SUITE 804
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SCALE: 1" = 20'-0"
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APPROVED BY: MRW

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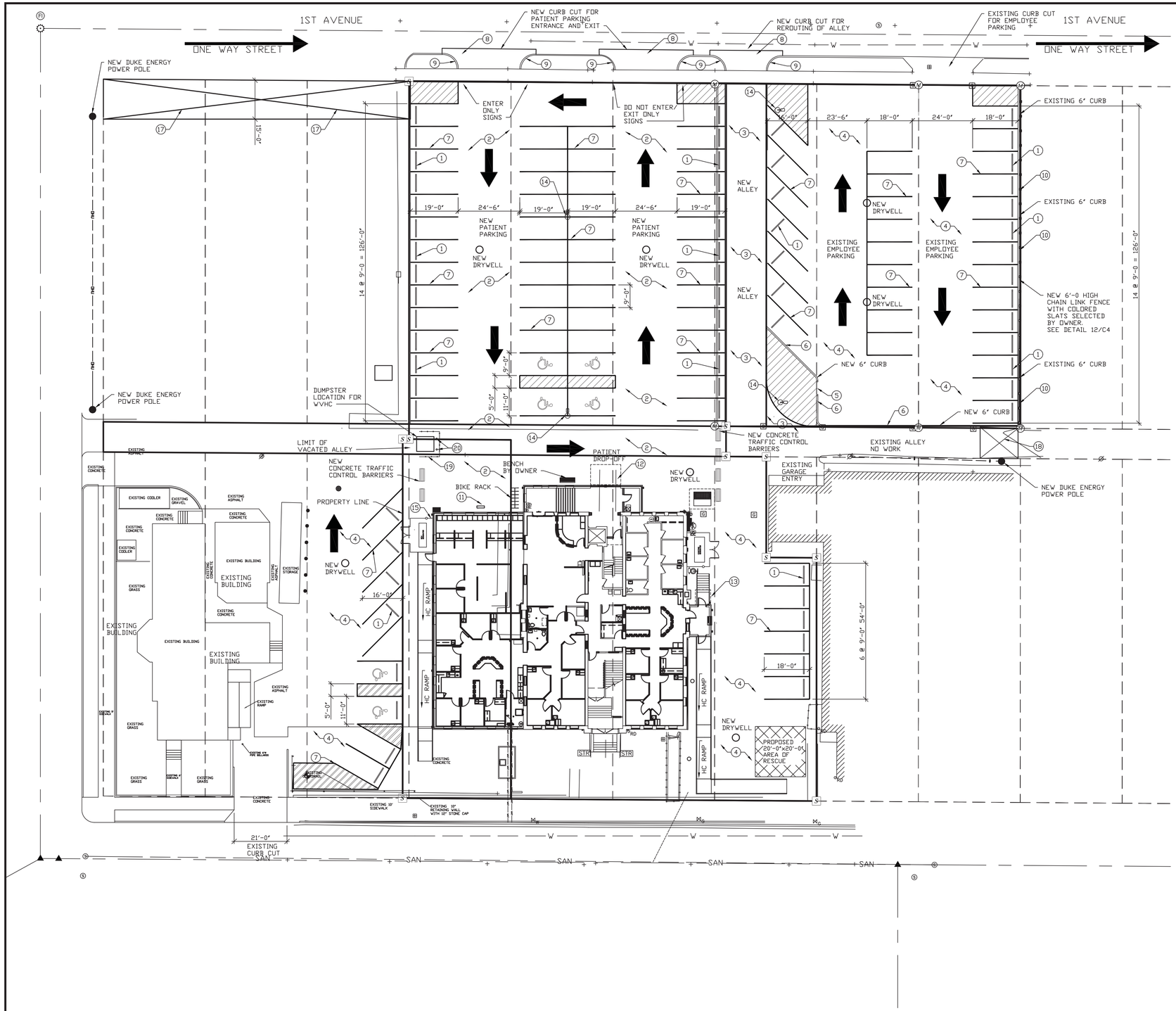
FILE: ExSite #F

C2



NUMBERED NOTES:

1. NEW PRE-CAST CONCRETE BUMPER SEE DETAIL 4/C4 TYPICAL AT LOCATIONS SHOWN
2. NEW CONCRETE PAVEMENT SECTION SEE DETAIL 6/C4
3. NEW ASPHALT PAVEMENT SECTION TO BE USED IN ALLEY PORTION OF PROJECT SEE DETAIL 7/C4
4. NEW ASPHALT PAVEMENT SECTION TO BE USED IN NEW PARKING LOTS AND PATCH OF EXISTING ASPHALT PAVING OF PROJECT SEE DETAIL 8/C4
5. NEW HANDICAPPED ACCESS POINT DEPRESSED CONCRETE CURB DETAIL SEE DETAIL 9/C4
6. NEW CONCRETE CURB SEE DETAIL 10/C4
7. PARKING LOT STRIPPING SEE DETAIL 11/C4
8. 8" POURED CONCRETE SECTION PER CITY OF TERRE HAUTE STANDARDS.
9. FLUSH TRANSITION AT SIDEWALK CROSSING SEE DETAIL ON DRAWING C4.
10. NEW 6'-0 HIGH CHAIN LINK FENCE WITH VINYL SLATS. SEE DETAIL 12/C4. REQUIRED BY CITY OF TERRE HAUTE AREA PLANNING DEPARTMENT.
11. NEW SIGN TO INDICATE DELIVERY AND EMERGENCY VEHICLE PARKING ONLY
12. ALUMINUM ENTRY CANOPY WITH BUILT IN GUTTER. BUILDING SUPPORTED. NO EXTERNAL COLUMNS.
13. ALUMINUM ENTRY CANOPY WITH BUILT IN GUTTER. MOUNTED TO BUILDING WITH EXTERNAL COLUMNS.
14. NEW SITE LIGHTING POLE COMPLETE BY ELECTRICAL CONTRACTOR. REFER TO DRAWING #E3.3.
15. NEW GENERATOR PAD LOCATION SEE DETAIL 13/C4. ALSO PROVIDE AND INSTALL NEW CHAIN LINK FENCE AROUND NEW GENERATOR. PROVIDE DOUBLE GATE LIKE EXISTING. PROVIDE HEIGHT TO MATCH EXISTING.
16. NEW DUMPSTER PAD LOCATION SEE DETAIL 13/C4.
17. NEW ASPHALT PAVEMENT SECTION TO BE USED IN NEW PARKING LOTS AND PATCH OF EXISTING ASPHALT PAVING OF PROJECT SEE DETAIL 8/C4
18. NEW ASPHALT PAVEMENT SECTION FOR REPAIR OF ALLEY. SEE DETAIL 7/C4
19. NEW 6'-0 HIGH CHAIN LINK FENCE WITH VINYL SLATS. SEE DETAIL 12/C4. INSTALLED ON TREE SIDE OF DUMPSTER FINAL SIZE AS DIRECTED BY THE OWNER.
20. NEW PIPE BOLLARDS FOR PROTECTION OF NEW FENCING. SEE DETAIL 20/C4. TYPICAL OF 2

INTERIOR CURB CUT NOTE:

THERE IS A MINIMUM OF 12'-0 FROM THE INTERIOR LOT LINE TO ANY CURB CUT ON THE PROPERTY.

SITE PLAN NOTE:

GENERAL CONTRACTOR SHALL INCLUDE IN THE BID ALL PERMIT FEES REQUIRED BY THE CITY OF TERRE HAUTE FOR WORK PERFORMED IN THE RIGHT OF WAY. i.e. CURB REMOVAL AND REPLACEMENT AND SIDEWALK REPLACEMENT. CONTACT CITY OF TERRE HAUTE ENGINEERING DEPARTMENT FOR COST OF PERMITS.

CAUTION

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N W E S

NEW SITE PLAN
SCALE: 1" = 20'-0"

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MICHAEL R. WALDBIESER — REGISTERED PROFESSIONAL ENGINEER — STATE OF INDIANA — NO. 19901108 — PROFESSIONAL ENGINEER

WABASH VALLEY HEALTH CENTER, INC.
1436 LOCUST STREET
TERRE HAUTE, INDIANA 47807

BUILDING ADDITIONS & RENOVATION

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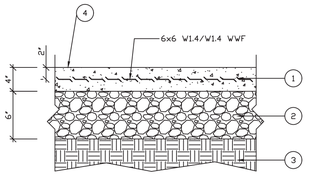
PHONE: (812) 232-6510

SCALE: 1" = 20'-0"
DATE: 09-11-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-20
FILE: NSite #F

C3



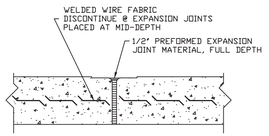
1 CONCRETE: 4,000 PSI WITH 4-6% AIR ENTRAINMENT. LIGHT BROOM FINISH - MATCH EXISTING

2 GRANULAR BASE COURSE: INDOT #53 GRANULAR BASE. COMPACT TO 100 % DRY DENSITY - STANDARD PROCTOR.

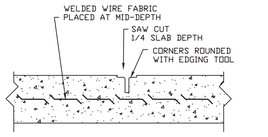
3 SUBGRADE: REMOVE ALL HIGHLY ORGANIC MATERIAL AND PROOF ROLL SURFACE. REMOVE ALL AREAS SHOWING PUMPING AND REPLACE WITH GRANULAR MATERIAL. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 8" AND COMPACTED TO 100% DRY DENSITY - MODIFIED PROCTOR.

4 CONCRETE SEALER/HARDENER: INSTALL TWO COATS OF W.R. MEADOWS SEAL CURE 309-25 CURING AND SEALING COMPOUND. RATE OF APPLICATION SHALL BE A MAXIMUM OF 300 SF PER GALLON. APPLICATION BY POWER SPRAYER.

1 / C4 EXTERIOR SIDEWALK SLAB SECTION
SCALE: NONE



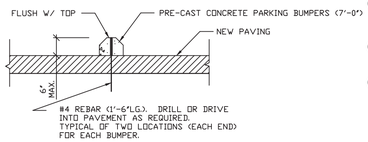
2 / C4 SIDEWALK EXPANSION JOINT DETAIL
SCALE: NONE



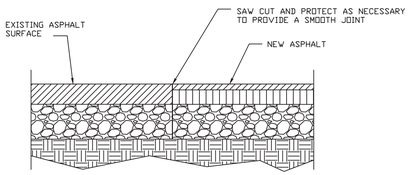
3 / C4 SIDEWALK CONTROL JOINT DETAIL
SCALE: NONE

SIDEWALK NOTES:

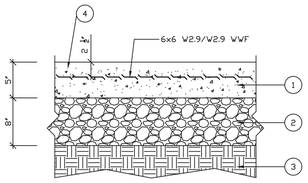
1. INSTALL EXPANSION MATERIAL BETWEEN ALL SIDEWALKS AND BUILDING WALLS.



4 / C4 PARKING BUMPERS (TYP.)
SCALE: NONE



5 / C4 NEW ASPHALT TO EXISTING
SCALE: NONE



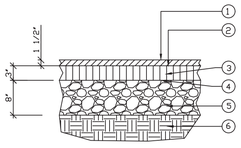
1 CONCRETE: 4,000 PSI WITH 4-6% AIR ENTRAINMENT. LIGHT BROOM FINISH

2 GRANULAR BASE COURSE: INDOT #53 STONE BASE - COMPACT 100% DRY DENSITY, STANDARD PROCTOR. GRANULAR BASE IS NOT ACCEPTABLE.

3 SUBGRADE: REMOVE ALL HIGHLY ORGANIC MATERIAL AND PROOF ROLL SURFACE. REMOVE ALL AREAS SHOWING PUMPING AND REPLACE WITH GRANULAR MATERIAL. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 8" AND COMPACTED TO 100% DRY DENSITY - MODIFIED PROCTOR.

4 CONCRETE SEALER/HARDENER: INSTALL TWO COATS OF W.R. MEADOWS SEAL CURE 309-25 CURING AND SEALING COMPOUND. RATE OF APPLICATION SHALL BE A MAXIMUM OF 300 SF PER GALLON. APPLICATION BY POWER SPRAYER.

6 / C4 EXTERIOR PAVEMENT SLAB SECTION
SCALE: NONE



1 SURFACE COAT: BITUMINOUS SURFACE NO. 11

2 TACK COAT: .10 GALLON PER SQUARE YARD, RAPID CURE LIQUID ASPHALT.

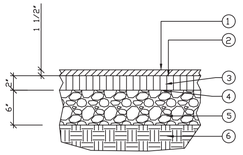
3 ASPHALTIC BASE COURSE: BITUMINOUS NO. 8.

4 PRIME COAT: .30 GALLON PER SQUARE YARD, MEDIUM CURE LIQUID ASPHALT. ONLY IF REQUIRED BY INDOT DESIGN STANDARDS

5 BASE COURSE: INDOT #53 CRUSHED STONE AGGREGATE - COMPACT 100% DRY DENSITY, STANDARD PROCTOR. GRANULAR BASE IS NOT ACCEPTABLE.

6 SUBGRADE: REMOVE ADDITIONAL 16" OF MATERIAL UNDER THE BASE COURSE AS DIRECTED IN THE SOILS REPORT BY PATRIOT ENGINEERING & ENVIRONMENTAL, INC.

7 / C4 HEAVY DUTY / ALLEY ASPHALT PAVING DETAIL
SCALE: NONE



1 SURFACE COAT: BITUMINOUS SURFACE NO. 11

2 TACK COAT: .10 GALLON PER SQUARE YARD, RAPID CURE LIQUID ASPHALT.

3 ASPHALTIC BASE COURSE: BITUMINOUS NO. 8.

4 PRIME COAT: .30 GALLON PER SQUARE YARD, MEDIUM CURE LIQUID ASPHALT. ONLY IF REQUIRED BY INDOT DESIGN STANDARDS

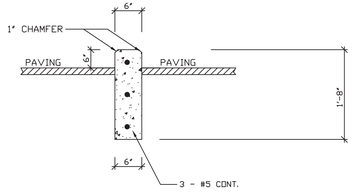
5 GRANULAR BASE COURSE: INDOT #53 STONE BASE - COMPACT 100% DRY DENSITY, STANDARD PROCTOR. GRANULAR BASE IS NOT ACCEPTABLE.

6 SUBGRADE: REMOVE ALL HIGHLY ORGANIC MATERIAL AND PROOF ROLL SURFACE. REMOVE ALL AREAS SHOWING PUMPING AND REPLACE WITH GRANULAR MATERIAL. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 8" AND COMPACTED TO 100% DRY DENSITY - MODIFIED PROCTOR.

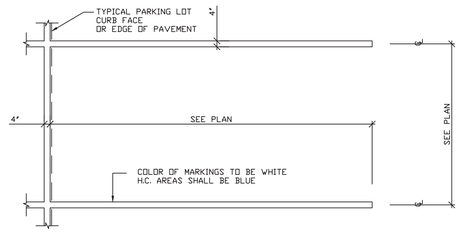
NOTE: ALL BITUMINOUS MIXES SHALL BE DESIGNED WITH 6422 AND 3% TO 4% AIR VOIDS.

8 / C4 LIGHT DUTY ASPHALT PAVING DETAIL
SCALE: NONE

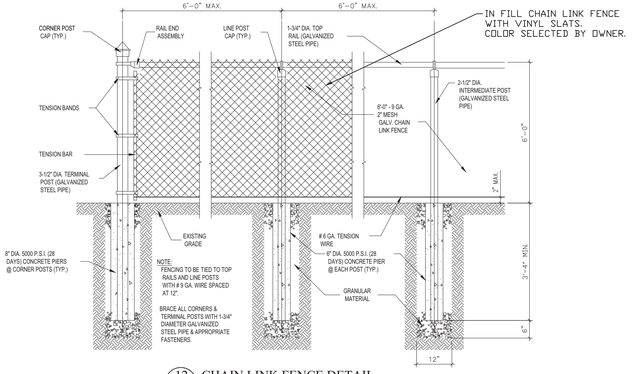
9 / C4 DEPRESSED CURB DETAIL
NOT TO SCALE



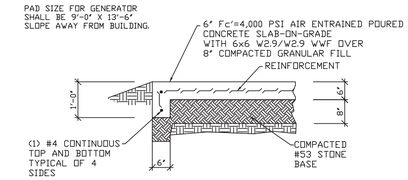
10 / C4 CONCRETE CURB SECTION
SCALE: NONE



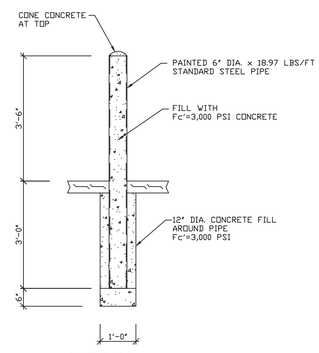
11 / C4 TYPICAL PARKING STALL MARKINGS
SCALE: NONE



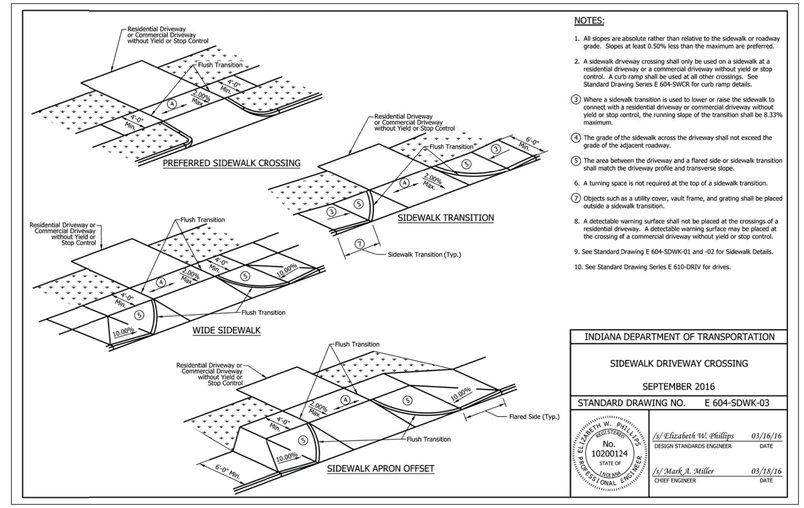
12 / C4 CHAIN LINK FENCE DETAIL
SCALE: NONE



13 / C4 PAD DETAIL
SCALE: 1/2" = 1'-0



14 / C4 EXTERIOR PIPE BOLLARD DETAIL
SCALE: 1/2" = 1'-0



SIDEWALK DRIVEWAY CROSSING DETAIL
SCALE: NONE

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MICHAEL R. WALDBIESER STATE OF INDIANA No. 19901108 REGISTERED PROFESSIONAL ENGINEER

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TERRE HAUTE, INDIANA 47807
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DATE: 09-11-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-20
FILE: Site Det #F

C4

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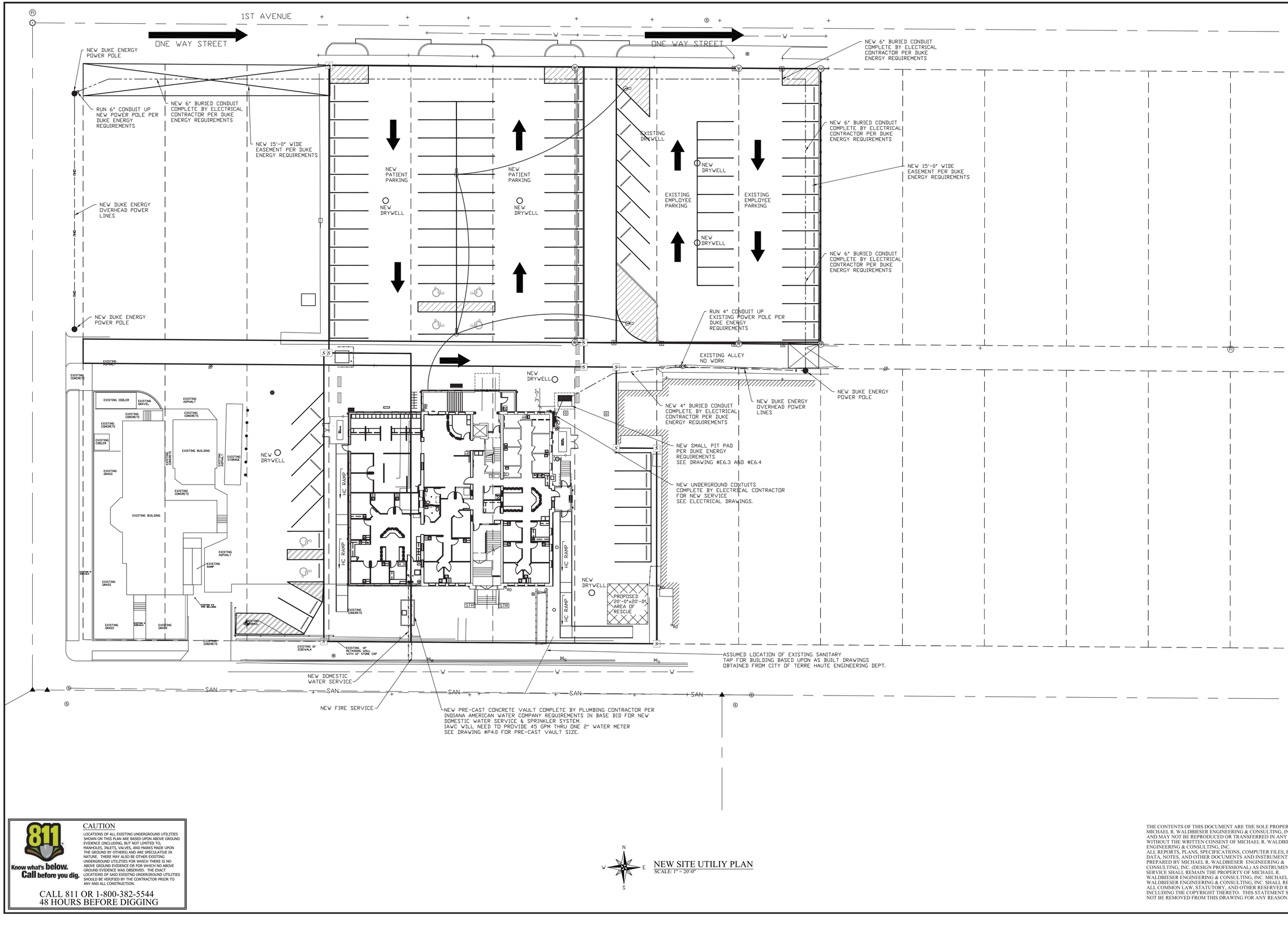

DATE	REVISIONS	BY

MICHAEL R. WALDBIESER — STATE OF INDIANA — NO. 19901108 — REGISTERED PROFESSIONAL ENGINEER

WABASH VALLEY HEALTH CENTER, INC.
1436 LOCUST STREET
TERRE HAUTE, INDIANA 47807

BUILDING ADDITIONS & RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
STRUCTURAL, PLUMBING, MECHANICAL & FIRE PROTECTION DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: 1" = 20'-0"
DATE: 09-11-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-20
FILE: NSite #F

C5

811 Know what's below. Call before you dig.

CAUTION

LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

CALL 811 OR 1-800-382-5544
48 HOURS BEFORE DIGGING

N W E S

NEW SITE UTILIY PLAN
SCALE: 1" = 20'-0"

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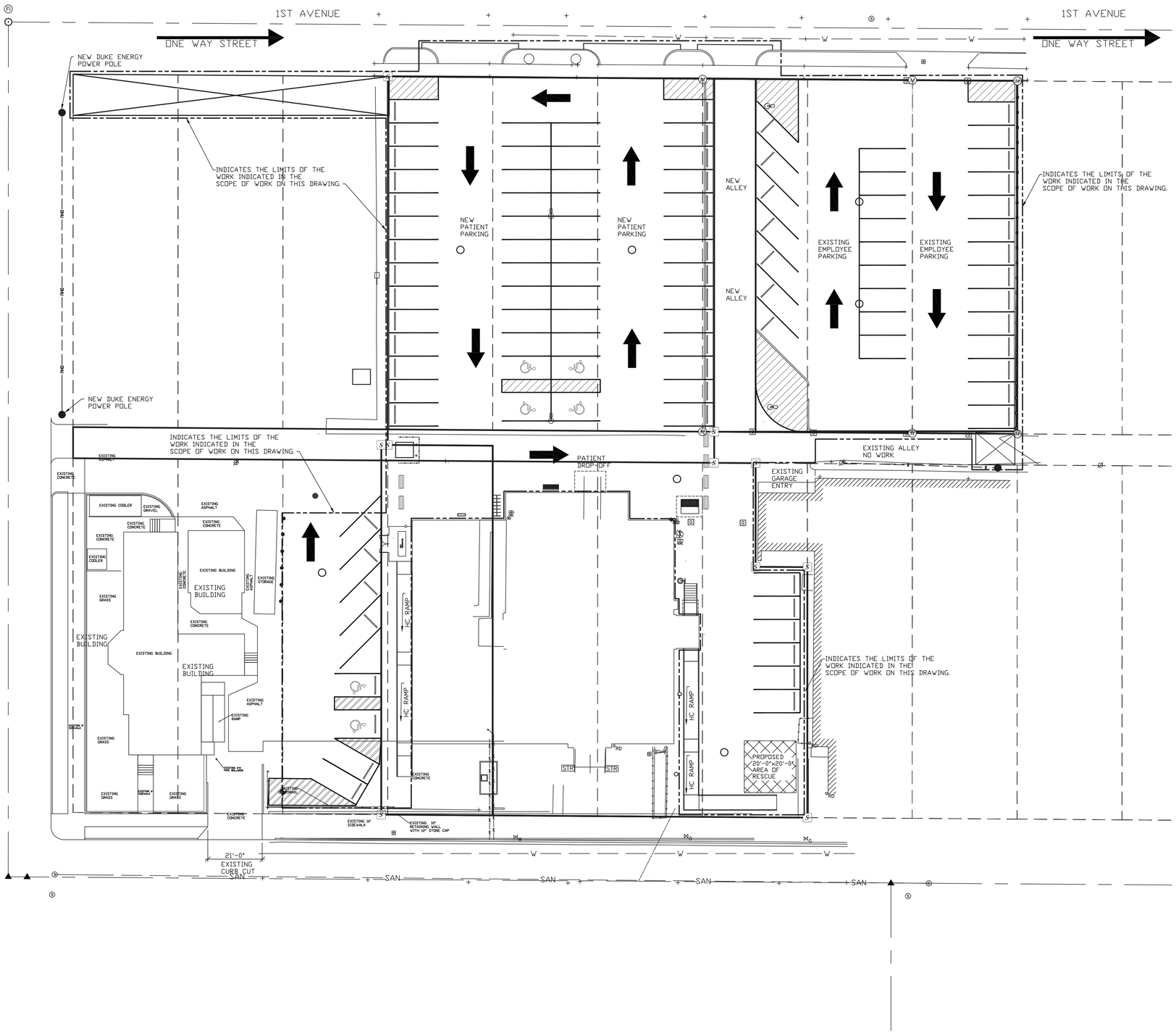

SITE SCOPE OF WORK:

1. ALL SITE DEMOLITION AS INDICATED ON DRAWING #C2. ALL SITE WORK LOCATED WITHIN INDICATED LINE.
2. ALL EXCAVATION, GRADING AND BACKFILL.
3. SITE DRAINAGE COMPLETE INCLUDING BUT NOT LIMITED TO: DRYWELLS/CATCH BASINS CONNECTION PIPING BETWEEN DRYWELLS/CATCH BASINS DOWNSPOUT BOOTS EXCAVATION AND BACKFILL
4. UNDERGROUND ELECTRICAL WORK AS FOLLOWS: PROVIDE AND INSTALL UNDERGROUND CONDUIT FOR RELOCATION OF DUKE ENERGY SERVICE LINES PROVIDE AND INSTALL CONDUITS AND WIRING FOR NEW SITE LIGHTING POLES
5. NEW CONCRETE PAD FOR NEW POWER TRANSFORMER ALSO INCLUDES NEW CHAIN LINK FENCE AROUND NEW GENERATOR
6. NEW CONCRETE PAD FOR DUMPSTERS
7. CONCRETE AND ASPHALT PAVING INCLUDING ALL REINFORCING AND ACCESSORIES.
8. PARKING LOT STRIPPING AND SITE SIGNAGE
9. PARKING LOT PRE-CAST CONCRETE BUMPERS PARKING LOT PRE-CAST CONCRETE TRAFFIC CONTROL BARRIERS
10. CONCRETE CURB CUTS, CONCRETE CURBS, SIDEWALKS, SIDEWALK TRANSITIONS AT NEW CURB CUTS, AND 8" THICK CONCRETE PAVEMENT AT NEW CURB CUTS.
11. EXCAVATION AND BACKFILL ASSOCIATED WITH TWO NEW CONCRETE RAMPS.
12. CONCRETE FOUNDATIONS, WALLS, AND WALKING SURFACE FOR TWO NEW RAMPS. ALSO INCLUDES ALL HANDRAILS
13. EROSION CONTROL COMPLETE
14. ALL SITE FENCING
15. ALL MOBILIZATION AND DEMOBILATION COSTS FOR PHASING OF WORK.
16. ALL COST CHARGED BY DUKE ENERGY FOR NEW UNDERGROUND ELECTRICAL SERVICE TO THE BUILDING.
17. PATCHING OF EXISTING ASPHALT AS REQUIRED.
18. NEW BIKE RACK
19. SITE STONE/MASONRY WALL WORK ON SOUTH SIDE OF PROJECT.
20. CONCRETE BASES FOR NEW SITE LIGHTING.

DATE	REVISIONS	BY

MICHAEL R. WALDBIESER STATE OF INDIANA 19901108 REGISTERED PROFESSIONAL ENGINEER

WABASH VALLEY HEALTH CENTER, INC.
1436 LOCUST STREET
TERRE HAUTE, INDIANA 47807

BUILDING ADDITIONS & RENOVATION

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N W E S

GRANT FUNDING SCOPE OF WORK
NEW SITE PLAN
SCALE: 1" = 20'-0"

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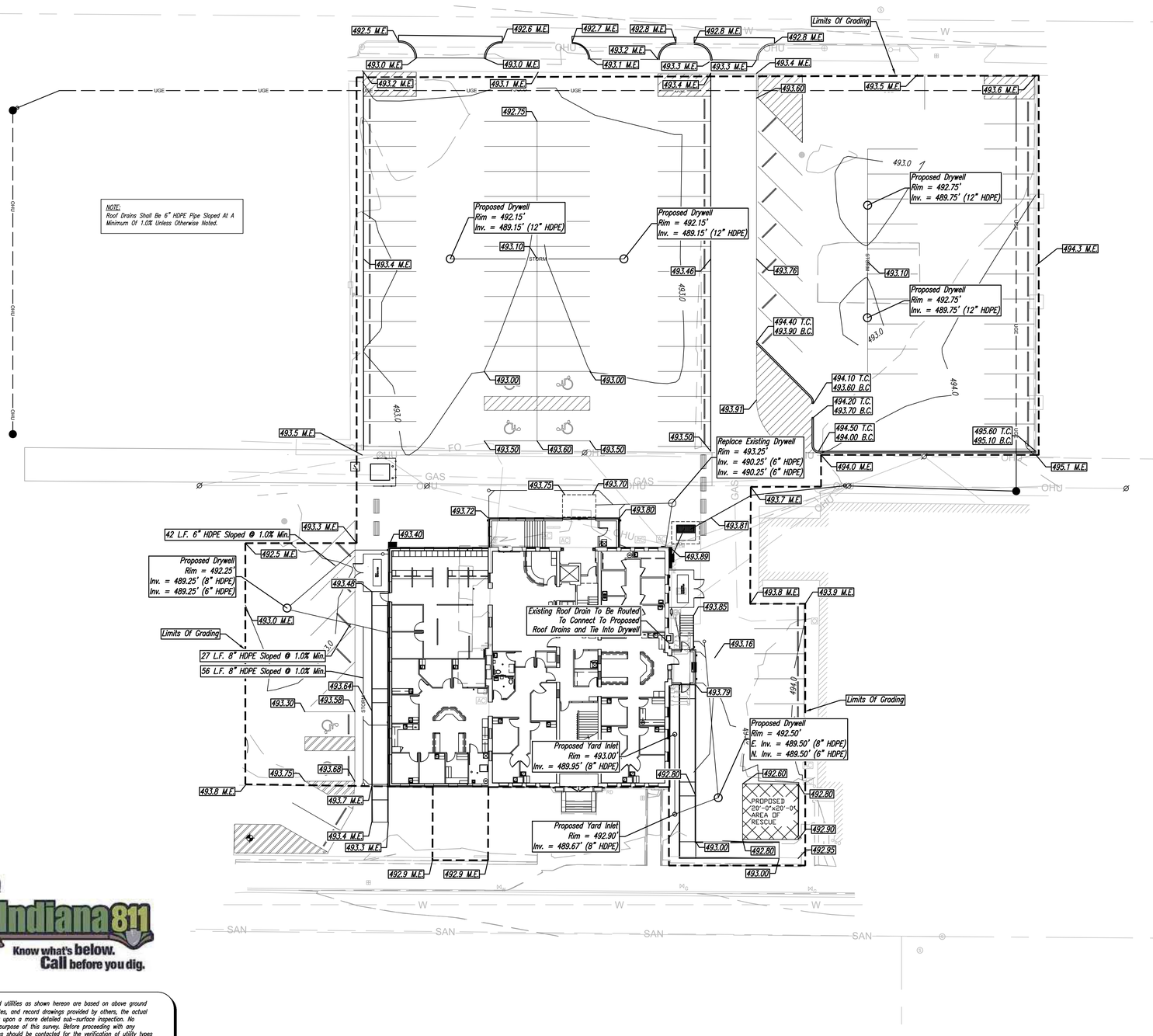
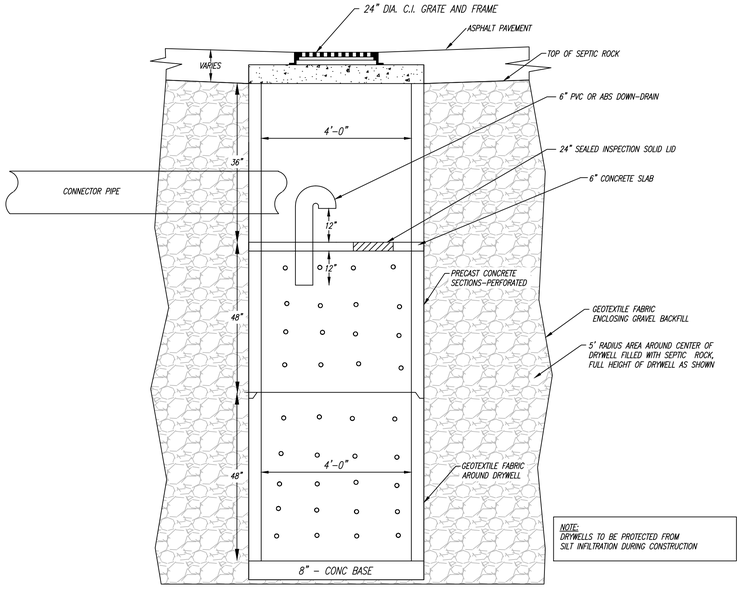
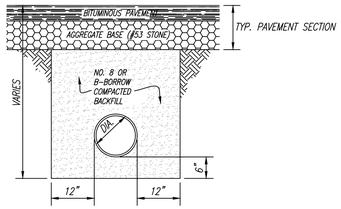
Drainage Plan

1436 Locust Street, Terre Haute
Sec. 15, Township 12 North, Range 9 West
Vigo County, Indiana

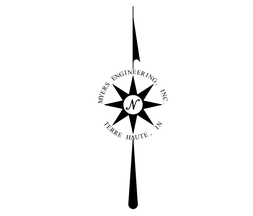




COMBINATION CATCH BASIN DRYWELL DETAIL
NOT TO SCALE



STORM SEWER TRENCH DETAIL UNDER PAVEMENT
NOT TO SCALE



SCALE: 1"=20'

Indiana 811
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EVAN M. MILLER
REGISTERED
NO. 11800302
STATE OF
INDIANA
PROFESSIONAL ENGINEER

4/9/2019

1436 Locust Street

MYERS ENGINEERING, INC.
525 WEST HONEY CREEK DRIVE
TERRE HAUTE, INDIANA 47802
PHONE: (812) 238-9721
FAX: (812) 235-1353

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DATE	NO.	REVISIONS	BY	CHECKED

CLIENT: Michael R. Waldbieser Engineering & Consultants, Inc.

RECORD OWNER: Wabash Valley Health Center Inc,

Drainage Plan

DRAWN BY:	EMM	DATE:	09/09/2019
CHECKED BY:	MJV	PROJECT NUMBER:	TM18-318-03
APPROVED BY:	EMM	FILE NAME:	TM18-318 Civil.DWG
SCALE:	1"=20'	DRAWING NAME:	Drainage Plan

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SHEET C1.0

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Storm Water Pollution Prevention Plan

1436 Locust Street, Terre Haute
Sec. 15, Township 12 North, Range 9 West
Vigo County, Indiana

Construction Plan Element (Section A)

A1. Plan Index
See general information Sheet C1.0

A2. 11x17 Inch Plat of Area
Sheet C1.0

A3. Narrative Describing the Nature and Purpose of Project
The proposed project is the building addition, Demolition of an existing parking lot and the construction of new parking lot to include drainage in the City of Terre Haute in the Harrison Township, Vigo County, Indiana.

A4. Vicinity Map
See Sheet C3.0

A5. Legal Description of the Project
Section 15 Township 12 North Range 9 West, Vigo County, Harrison Township
Latitude: 39°28'40" N, Longitude: 87°23'41" W

A6. Location of all Proposed Improvements
See Sheet C3.0

A7. Hydrologic Unit Code
HUC14: 05120111050060

A8. Notation of any State or Federal Water Quality Permits
There are no known wetlands within the construction limits.

9. Specific Points where Stormwater Discharge Leaves Site
Stormwater will leave the site via sheet flow into a network of new drywells. Water will leave the site through infiltration into the soil.

A10. Location of all Wetlands, Lakes and Watercourses
There are no known wetlands within the construction limits. The Wabash River is approximately 1 mile West from the project site.

A11. Identification of all Receiving Waters
Final receiving water will be the Wabash River.

A12. Identification of Potential Discharge to Ground Water
Runoff may enter the groundwater via natural filtration through the soil. No known abandoned wells on site.

A13. 100 year Floodplains, Floodways and Fringes
This property is not located in a floodplain per FEMA Map 18167C0132C, February 18th, 2011.

A14. Pre Construction and Post Construction Estimate of Peak Discharge
The 10-year pre-construction peak discharge was calculated to be X.X-cfs and the 25-year post construction peak discharge from the site was calculated to be X.X-cfs.

A15. Adjacent Land Use
Adjacent land use:

North:	1st Avenue, Residential (Single Family Dwelling)
South:	Locust Street, Residential (Single Family Dwelling)
East:	Residential (Single Family Dwelling)
West:	Residential (Single Family Dwelling)

A16. Construction Limits
See Plan Sheet C1.0.

A17. Identification of Existing Vegetative Cover
The existing project site consists primarily of a parking lot and buildings, a small portion of the site is a grass lot.

A18. Soils Map Including Soil Descriptions
Soil types present on-site is Elston Sandy Loam, 0 to 2 percent slopes.

A19. Location and Size of Proposed Stormwater Systems
See Plan Sheet C1.0.

A20. Plans for any Off-Site Activities Associated with Project
All construction activity should be contained to the site.

A21. Location of Proposed Soil Stockpiles and/or Borrow Areas
Soil stockpiles will be located on site as shown on the erosion control plan sheet C3.0. Any amount of topsoil stockpiled shall be surrounded with silt fence prior to placing any material there. If the soil stockpile is left idle for 7 days or longer, temporary seeding in accordance with Indiana Department of Environmental Management must be applied within the stockpile location.

A22. Existing Site Topography
See Plan Sheet C1.0.

A23. Proposed Final Topography
See Plan Sheet C1.0.

Stormwater Pollution Prevention Plan - Construction Component (Section B)

B1. Description of Potential Pollutant Sources
Potential pollutant sources associated with the construction are anticipated to be silt runoff, petroleum and petroleum based chemicals from equipment and vehicles, fertilizer used for temporary and permanent seeding and, concrete from truck washout. These are all addressed in this plan.

B2. Sequence of Implementation

Pre-Construction Practices

1. Notify IDEM Rule 5 coordinator (317-233-1864) and City of Terre Haute Public Works Office within 48 hours of starting construction. Schedule a pre-construction meeting after 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 C3.0.
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 1st Avenue on the North 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 equipment staging area.
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.

During Construction Practices

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 ½ inch rain event. Inspection is to be made by construction personnel trained individually and erosion control practices.
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 in C4.0.
4. All disturbed areas not at final grade left idle for more than 7 days shall be temporary seeded as per C4.0.
5. Install Temporary Inlet Protection as shown on the Erosion Control Plan. See sheet C3.0.
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 installed. See sheet C3.0.
8. Complete paving. If paving is delayed for 7 days or more the disturbed areas should be seeded. Backfill as needed.

Post Construction Practices

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 permanently stabilized.

B3. Stable Construction Entrance
The construction entrance for this project will be located as shown on sheet C3.0. Property shall be kept cleared of sediment, trash and any construction materials (including fluids). Access to the construction entrance will be from 1st Avenue on the North side of the project, which shall be kept clean of mud and silt.

B4. Sediment Control for Sheet Flow
Sheet flow will be the primary runoff type on this project. Silt fence will be placed as directed in the Erosion Control Plan. See sheet C3.0.

B5. Sediment Control for Concentrated Flow
N/A

B6. Storm Inlet Protection
Temporary erosion control inlet protection will be placed around each of the storm inlets.

B7. Runoff Control Measures
N/A

B8. Storm Water Outlet Protection
N/A

B9. Grade Stabilization Locations
N/A

B10. Location, Dimensions, Specifications and Details of Each Stormwater Quality Measure
See sheet C3.0 and C4.0

B11. Temporary Surface Stabilization Methods
All areas left disturbed for 7 days or more shall have temporary seeding applied according to the attached specifications (Indiana Department of Environmental Management Manuel, Chapter 7). 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/Acre	Planting Depth	Optimum Dates
Wheat or Rye	150 lbs	1 to 1.5 in.	9/15 to 10/30
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
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
Sorghum	35 lbs	1 to 2 in.	5/1-7/15

B12. Permanent Surface Stabilization Specifications
Once construction is completed in areas outside of the building, sidewalk, or paving limits, permanent seeding is to take place. This is to be done according to the attached specifications for Permanent Seeding. 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.

B13. Material Handling and Spill Prevention Plan
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 Terre Haute Fire Depatment. 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.

B14. Monitoring and Maintenance Guidelines for each Proposed S/W Quality Measure
Monitoring and maintenance of the practices will be in accordance with the attached specification for each practice. The contractor shall have a person knowledgeable in erosion and sediment control that shall inspect the site for storm water pollution deficiencies at least weekly and again within 24 hours of every ½ inch rain event.

B15. Erosion and Sediment Control Specifications for each Building Lot
N/A

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

C1. Description of Pollutants and their Sources Associated with Proposed Land Use
The site will be used as a 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.

C2. Sequence Describing Stormwater Quality Measure Implementation
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. Description of Proposed Post Construction Stormwater Quality Measures
Permanent seeding will be in accordance with the attached specifications. See sheet C4.0.

C4. Location, Dimensions, Specifications and Details of each Stormwater Quality Measure
All seeding locations are shown on the plans, and will encompass a very small area. The remaining area will be covered with building, or asphalt pavement.

C5. Description of Maintenance Guidelines for Post Construction S/W Quality Measures
Contractor will be responsible for establishing and maintaining the seeded areas until grass is fully established and pavement has been placed. After that time, the property owner will then assume responsibility for maintaining the seeded areas and drywells as needed.

EVAN M. MILLER
REGISTERED
NO. 11800302
STATE OF
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PROFESSIONAL ENGINEER

9/9/2019

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Michael R. Waldbieser
Engineering & Consultants, Inc.

RECORD OWNER:
Wabash Valley Health Center Inc,

Stormwater Pollution Prevention Plan

DRAWN BY:	EMM	DATE:	09/09/2019
CHECKED BY:	MJV	PROJECT NUMBER:	TM18-318-03
APPROVED BY:	EMM	FILE NAME:	TM18-318 Civil.DWG
SCALE:	N/A	DRAWING NAME:	SWPPP

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Erosion Control Plan

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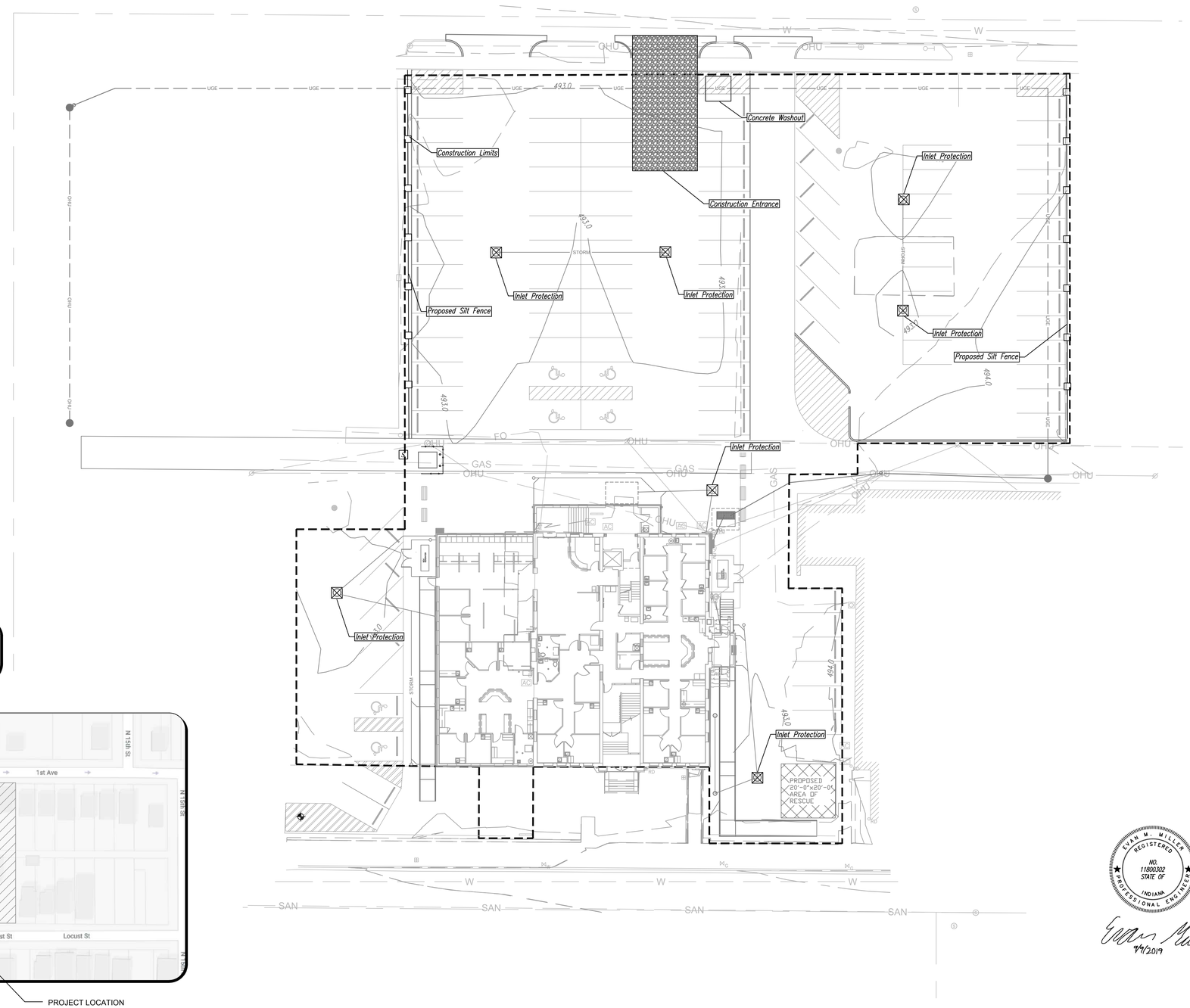

NOTES:

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 15 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/Acre	Planting Depth	Optimum Dates
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Annual Ryegrass	40 lbs.	¼ in.	3/1 to 5/1 8/1 to 9/1
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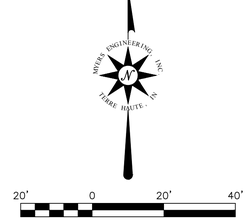

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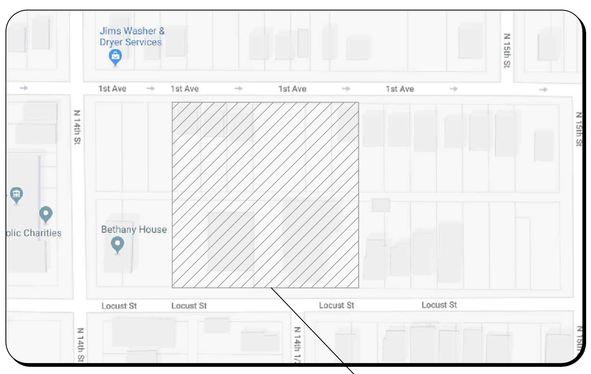

Location Map
Not to Scale

EVAN M. MILLER
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NO. 11800302
STATE OF INDIANA
PROFESSIONAL ENGINEER
9/9/2019

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RECORD OWNER:
Wabash Valley Health Center Inc,

Erosion Control Plan

DRAWN BY:	EMM	DATE:	09/09/2019
CHECKED BY:	MJV	PROJECT NUMBER:	TM18-318-03
APPROVED BY:	EMM	FILE NAME:	TM18-318 Civil.DWG
SCALE:	1"=20'	DRAWING NAME:	Erosion Control Plan

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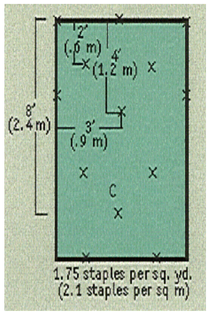
SHEET C3.0

Erosion Control Plan Details

1436 Locust Street, Terre Haute
Sec. 15, Township 12 North, Range 9 West
Vigo County, Indiana

EROSION CONTROL BLANKET



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

2. Begin at the top of channel by anchoring the blanket in a 6" deep by 6" wide trench. Backfill and compact the trench after stapling.

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

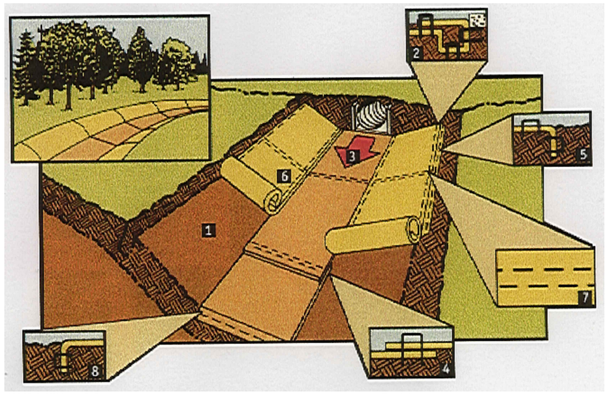
4. Place blankets end over end (shingle style) with a 6" overlap. Use a double row of staggered staples 4" apart to secure blankets.

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.



SEDIMENT TRAP DETAILS
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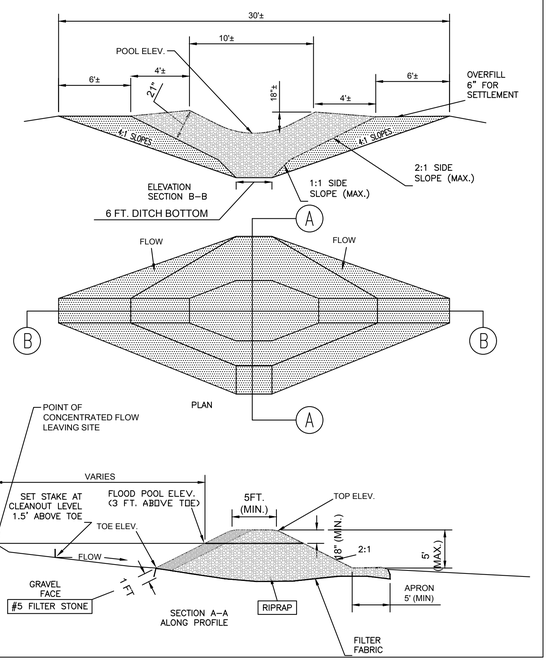


CONSTRUCTION SEQUENCE FOR SITE EROSION CONTROL PRACTICES

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

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

Protect Trees and Sensitive Areas

- To prevent root damage, do not grade, burn, place soil piles, or park vehicles near trees or in areas marked for preservation.
- Place plastic mesh or snow fence barriers around tree's drip line to protect the area below their branches.
- Place a physical barrier, such as plastic fencing, around the area designated for 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

- Use silt fencing along the perimeter of the lot's downslope side(s) to trap sediment (see Specifications).

Install Gravel Drive

- Restrict all lot access to this drive to prevent vehicles from tracking mud on to roadways.

STEP 3. Prepare the Site for Construction
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.

Salvage and Stockpile the Topsoil/Subsoil

- Remove topsoil (typically the upper 4 to 6 inches of soil material) and stockpile.
- Remove subsoil and stockpile separately from the topsoil.
- 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.

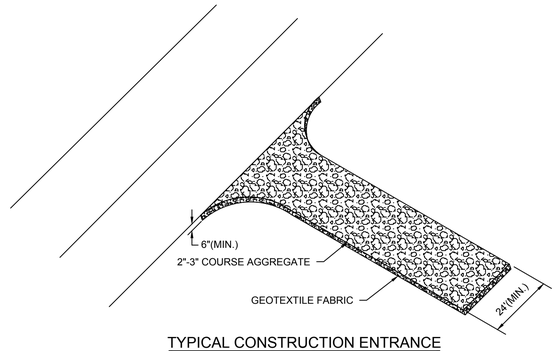
- Inspect the control practices a minimum of twice a week and after each storm event, making any needed repairs immediately.
- Toward the end of each work day, sweep or scrape up any soil tracked onto roadways. Do not flush areas with water.
- By the end of the next work day after a storm event, clean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

STEP 6. Revegetate the Site
Immediately after all outside construction activities are complete, stabilize the lot with sod, seed, and/or mulch.

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.



TYPICAL CONSTRUCTION ENTRANCE
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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 15 days)

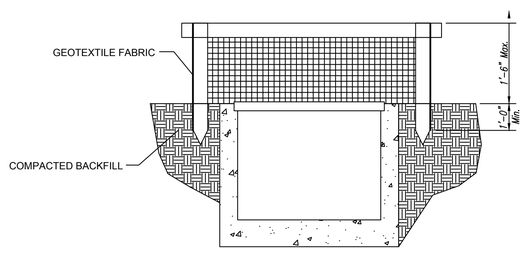
Species	Rate/acre	Depth	Optimal Dates
Wheat or Rye	150 lbs.	1 to 1 1/2 in.	9/15 to 10/30

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.



NOTE:

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

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

TEMPORARY INLET PROTECTION GEOTEXTILE BOX
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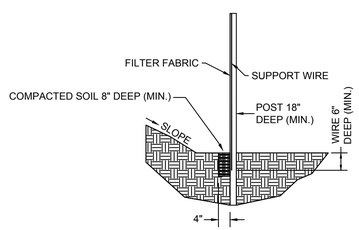

SILT FENCE DETAILS
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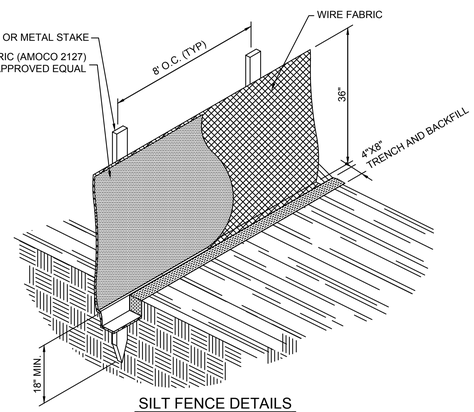

SILT FENCE DETAILS
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DATE	NO.	REVISIONS	BY	CHECKED

CLIENT: Michael R. Waldbieser Engineering & Consultants, Inc.

RECORD OWNER: Wabash Valley Health Center Inc,

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