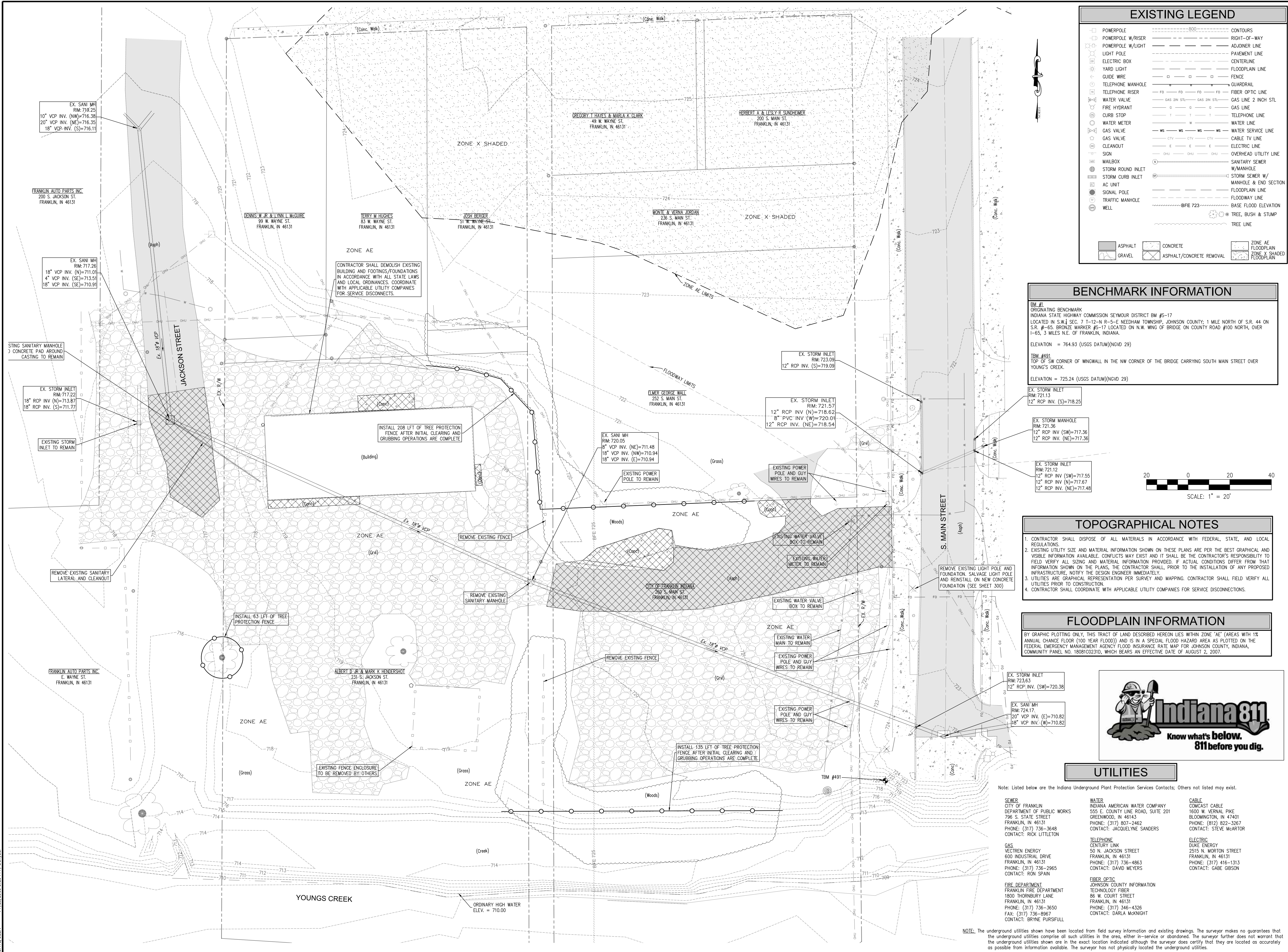


[illegible]



EXISTING LEGEND	
POWERPOLE	CONTOURS
POWERPOLE W/ RISER	RIGHT-OF-WAY
LIGHT POLE	ADJOINER LINE
ELECTRIC BOX	PAVEMENT LINE
YARD LIGHT	CENTERLINE
GUIDE WIRE	FLOODPLAIN LINE
TELEPHONE MANHOLE	FENCE
TELEPHONE RISER	GUARDRAIL
WATER VALVE	FIBER OPTIC LINE
FIRE HYDRANT	GAS LINE 2 INCH STL
CURB STOP	GAS LINE
WATER METER	TELEPHONE LINE
GAS VALVE	WATER LINE
CLEANOUT	WATER SERVICE LINE
SIGN	CABLE TV LINE
MAILBOX	ELECTRIC LINE
STORM ROUND INLET	OVERHEAD UTILITY LINE
STORM CURB INLET	SANITARY SEWER
AC UNIT	W/ MANHOLE
SIGNAL POLE	STORM SEWER W/ MANHOLE & END SECTION
TRAFFIC MANHOLE	FLOODPLAIN LINE
WELL	FLOODWAY LINE
	BASE FLOOD ELEVATION
	TREE, BUSH & STUMP
	TREE LINE
ASPHALT	CONCRETE
GRAVEL	ASPHALT/CONCRETE REMOVAL
	ZONE AE FLOODPLAIN
	ZONE X SHADED FLOODPLAIN

BENCHMARK INFORMATION	
BM #1	ORIGINATING BENCHMARK
	INDIANA STATE HIGHWAY COMMISSION SEYMOUR DISTRICT BM #5-17
	LOCATED IN S.W.1 SEC. 7 T-12-N R-5-E NEEDHAM TOWNSHIP, JOHNSON COUNTY, 1 MILE NORTH OF S.R. 44 ON S.R. #65. BRONZE MARKER #5-17 LOCATED ON N.W. WING OF BRIDGE ON COUNTY ROAD #100 NORTH, OVER I-65, 3 MILES N.E. OF FRANKLIN, INDIANA.
	ELEVATION = 764.93 (USGS DATUM/NGVD 29)
BM #491	TOP OF SW CORNER OF WINGWALL IN THE NW CORNER OF THE BRIDGE CARRYING SOUTH MAIN STREET OVER YOUNG'S CREEK.
	ELEVATION = 725.24 (USGS DATUM/NGVD 29)

EX. STORM INLET	RIM: 721.13
12" RCP INV. (S)=719.09	
EX. STORM INLET	RIM: 721.57
12" RCP INV. (N)=718.62	
8" PVC INV. (W)=720.61	
12" RCP INV. (NE)=718.54	
EX. STORM MANHOLE	RIM: 721.36
12" RCP INV. (SW)=717.36	
12" RCP INV. (NE)=717.36	
EX. STORM INLET	RIM: 721.12
12" RCP INV. (SW)=717.55	
12" RCP INV. (N)=717.67	
12" RCP INV. (NE)=717.48	

TOPOGRAPHICAL NOTES	
1.	CONTRACTOR SHALL DISPOSE OF ALL MATERIALS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
2.	EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.
3.	UTILITIES ARE GRAPHICAL REPRESENTATION PER SURVEY AND MAPPING. CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
4.	CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES FOR SERVICE DISCONNECTIONS.

FLOODPLAIN INFORMATION	
BY GRAPHIC PLOTTING ONLY, THIS TRACT OF LAND DESCRIBED HEREON LIES WITHIN ZONE "AE" (AREAS WITH 1% ANNUAL CHANCE FLOOD (100 YEAR FLOOD)) AND IS IN A SPECIAL FLOOD HAZARD AREA AS PLOTTED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR JOHNSON COUNTY, INDIANA, COMMUNITY PANEL NO. 18081C02310, WHICH BEARS AN EFFECTIVE DATE OF AUGUST 2, 2007.	



UTILITIES

Note: Listed below are the Indiana Underground Plant Protection Services Contacts; Others not listed may exist.

SEWER CITY OF FRANKLIN DEPARTMENT OF PUBLIC WORKS 796 S. STATE STREET FRANKLIN, IN 46131 PHONE: (317) 736-3648 CONTACT: RICK LITTLETON	WATER INDIANA AMERICAN WATER COMPANY 555 E. COUNTY LINE ROAD, SUITE 201 GREENWOOD, IN 46143 PHONE: (317) 807-2462 CONTACT: JACQUELYNE SANDERS	CABLE COMCAST CABLE 1600 W. VERNAL PIKE BLOOMINGTON, IN 47401 PHONE: (812) 822-3267 CONTACT: STEVE MCARTOR
GAS VECTREN ENERGY 600 INDUSTRIAL DRIVE FRANKLIN, IN 46131 PHONE: (317) 736-2965 CONTACT: RON SPAIN	TELEPHONE CENTURY LINK 50 N. JACKSON STREET FRANKLIN, IN 46131 PHONE: (317) 736-4863 CONTACT: DAVID MEYERS	ELECTRIC DUKE ENERGY 2515 N. MORTON STREET FRANKLIN, IN 46131 PHONE: (317) 416-1313 CONTACT: GABE GIBSON
FIRE DEPARTMENT FRANKLIN FIRE DEPARTMENT 1800 THORNHURST LANE FRANKLIN, IN 46131 PHONE: (317) 736-3650 FAX: (317) 736-8967 CONTACT: BRYNE PURSIFULL	FIBER OPTIC JOHNSON COUNTY INFORMATION TECHNOLOGY FIBER 86 W. COURT STREET FRANKLIN, IN 46131 PHONE: (317) 346-4326 CONTACT: DARLA MCKNIGHT	

NOTE: The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although the surveyor does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

TOPOGRAPHICAL SURVEY
AND DEMOLITION PLAN
SOUTH MAIN STREET PARKING LOT

DESIGNED
DATE
JUNE 18, 2018

CHECKED
DATE
JUNE 18, 2018

APPROVED
DATE
JUNE 18, 2018

NO.
9

8

7

6

5

4

3

2

1

BY
DMS

CA

APPR.

REVISIONS

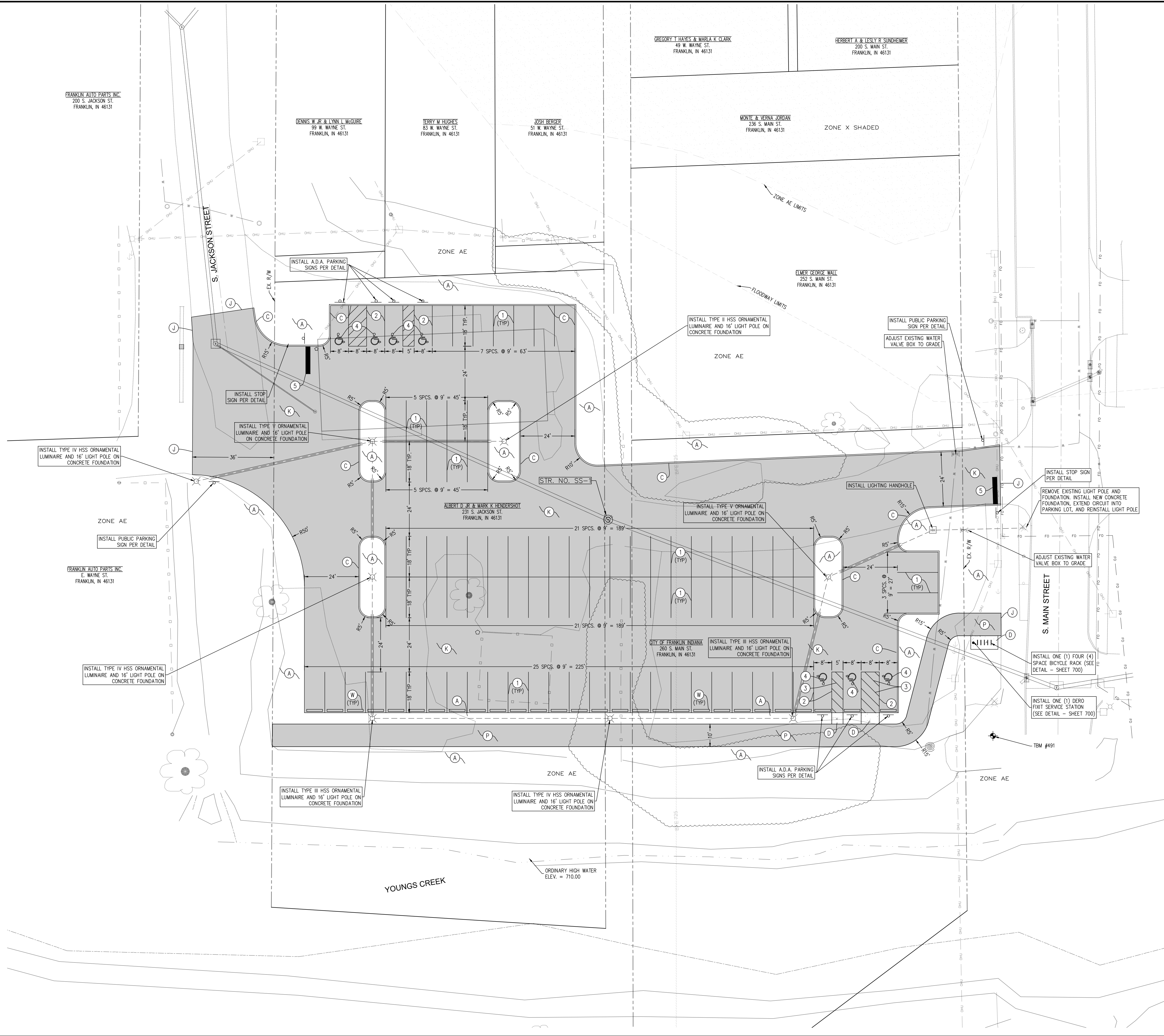
PER 06.28.18 DESIGN TEAM MEETING W/CITY OF FRANKLIN














NO.

DATE

200

SHEET






SITE DIMENSION LEGEND	
	NURSERY SOD
	MULCHED TREE RINGS (SEE LANDSCAPE PLAN-SHEET 500)
	2" TRANSVERSE CONCRETE CURB (SEE DETAIL-SHEET 700)
	4" CONCRETE SIDEWALK (SEE DETAIL-SHEET 700)
	FULL DEPTH SAWCUT
	<u>TYPICAL ASPHALT PARKING LOT SECTION</u> 165 LB/SYD HMA SURFACE TYPE B, ON 385 LB/SYD HMA INTERMEDIATE TYPE B, ON 8" COMPACTED AGGREGATE #53 BASE, ON GEORGD TYPE IB, ON SUBGRADE TREATMENT, TYPE III (SEE DETAIL-SHEET 700)
	<u>TYPICAL ASPHALT PATH SECTION</u> 140 LB/SYD HMA SURFACE TYPE A, ON 220 LB/SYD HMA INTERMEDIATE TYPE A, ON 6" COMPACTED AGGREGATE #53 BASE, ON GEORGD TYPE IB, ON SUBGRADE TREATMENT, TYPE III (SEE DETAIL-SHEET 700)
	CONCRETE WHEEL STOP (SEE DETAIL-SHEET 700)
	TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE, 4 INCHES, PARKING
	TRANSVERSE MARKING, THERMOPLASTIC, SOLID BLUE, 4 INCHES, PARKING
	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, SOLID BLUE, 4 INCHES
	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, SOLID BLUE, HANDICAP SYMBOL
	TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE, STOP BAR, 24 INCHES

SIZING DIMENSION NOTES

1. SIGNAGE AND LIGHTING SHALL CONFORM TO CITY OF FRANKLIN STANDARDS. CONTRACTOR SHALL CONFIRM LIGHT STYLES AND LAYOUT WITH THE CITY OF FRANKLIN PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL NOTIFY ENGINEER, IF PROOF ROLL OF SUBGRADE FAILS, TO DETERMINE IF LINE STABILIZATION OF SUBGRADE IS NECESSARY.
3. ALL RADII DIMENSIONS ARE TO THE FACE OF PROPOSED CURB OR EDGE OF PAVEMENT.
4. SIGNAGE SHALL INCLUDE ALL NECESSARY HARDWARE AND FITTINGS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMEN, BARRIERS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
6. EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.

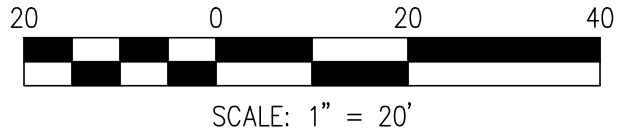
SANITARY SEWER STRUCTURE TABLE
STR. DATA
STR. NO. S5-1 INSTALL SANITARY DOGHOUSE MANHOLE TYPE 'C' WITH NEENAH R-1772-C CASTING OR AN APPROVED EQUAL. CONNECT TO EXISTING SEWER MAIN AND SANITARY LATERAL RIM=718.33 INV IN (18"~NW)=710.94 INV IN (8"~NE)=711.48 INV OUT (18"~E)=710.94

PARKING ANALYSIS	
STANDARD PARKING SPACES	= 87 SPACES
A.D.A. ACCESSIBLE SPACES	= 7 SPACES
TOTAL PROPOSED PARKING SPACES	= 94 SPACES

PROPOSED LEGEND	
— — — — —	CABLE DUCT 4-1/4 NO. 4 COPPER CONDUCTORS IN PLASTIC DUCT IN TRENCH
=====	CABLE DUCT 4-1/4 NO. 4 COPPER CONDUCTORS IN PLASTIC DUCT IN 2" GALVANIZED STEEL CONDUIT
— — — — —	4" PVC CONDUIT
	LIGHTING HANDHOLE
	ORNAMENTAL LUMINAIRE, 16' LIGHT POLE & FOUNDATION
	SANITARY MANHOLE

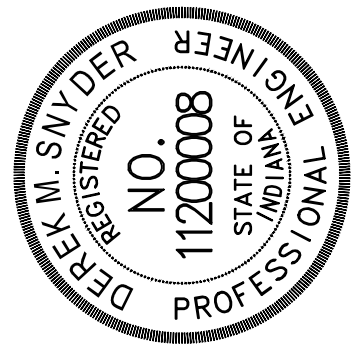


NOTE:
NO EARTHWORK DISTURBING ACTIVITY
MAY COMMENCE UNTIL A STORM WATER
MANAGEMENT PERMIT IS OBTAINED.



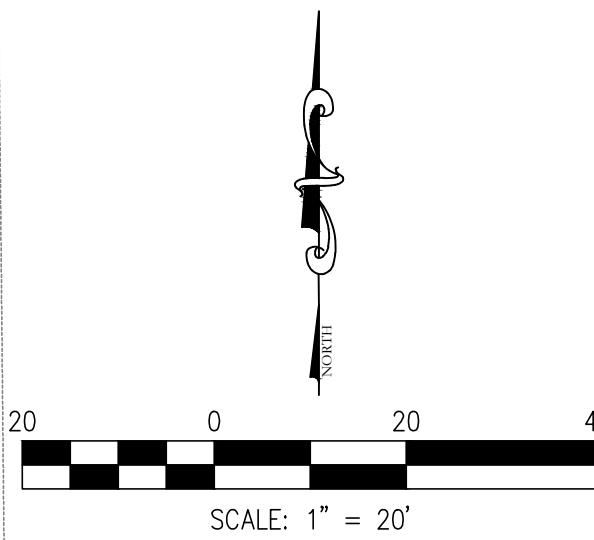
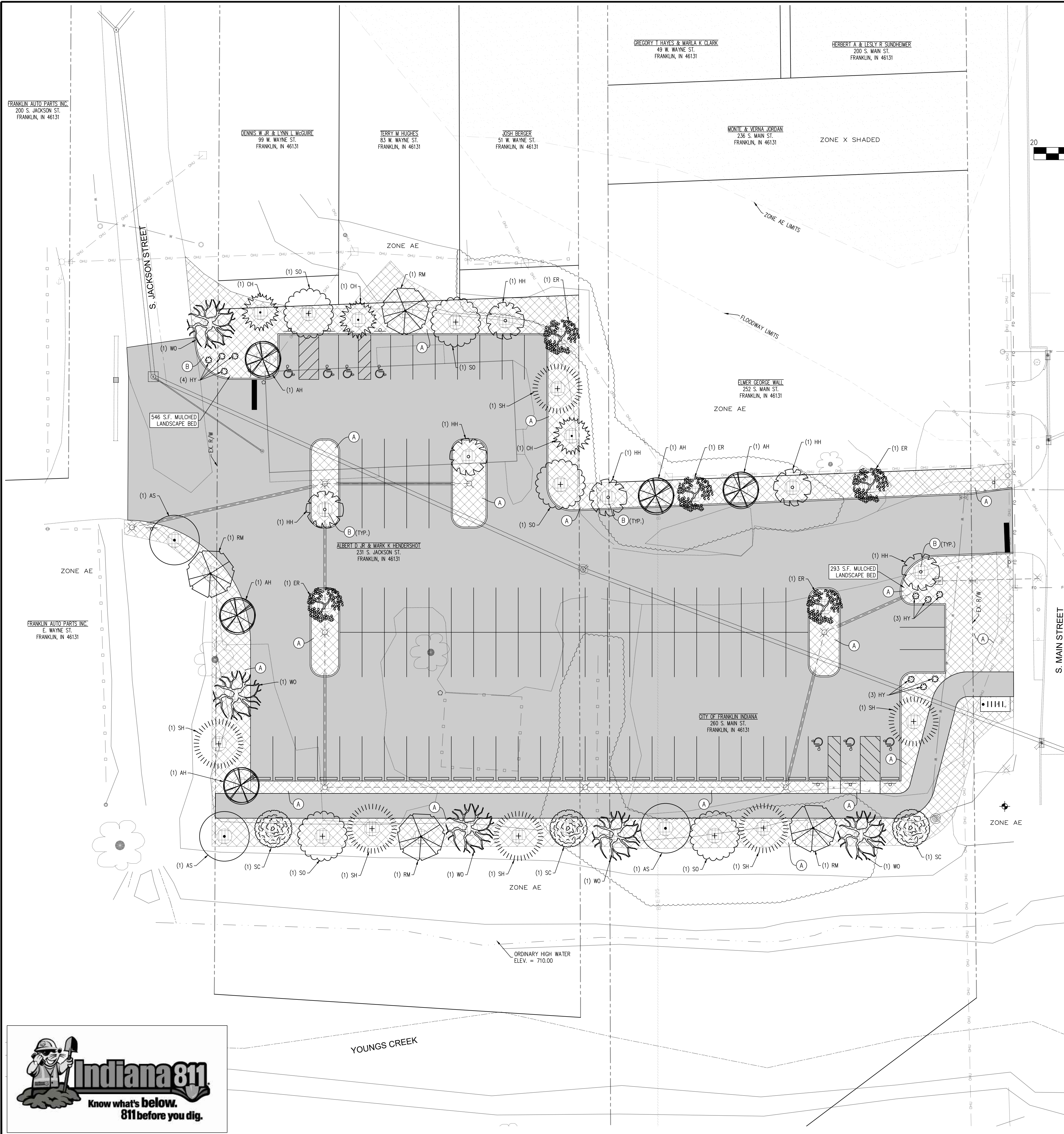
SITE DIMENSION AND UTILITY PLAN

SOUTH MAIN STREET PARKING LOT				ENGINEERS, PC TRANSPORTATION & DEVELOPMENT CONSULTANTS 8631 WOODHURST AVE P.O. BOX 300 PLOUFE, MINNESOTA 55769-0300 218.838.2222 WWW.ENRCONS.COM	
JOB No.		DRAWN	K/LF	CHECKED	TEN
DATE	JUNE 18, 2018	DESIGNED	DWS	APPR.	GJJ
SHEET					300



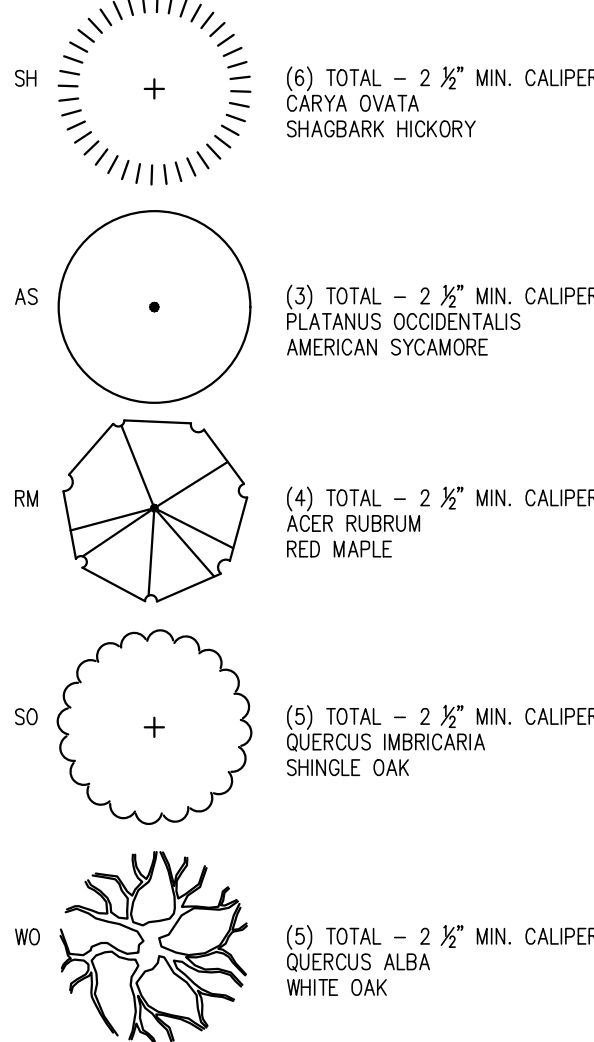
David M. Smyth

SHEET		300	
NO.	DATE	REVISIONS	
		BY	APPR.
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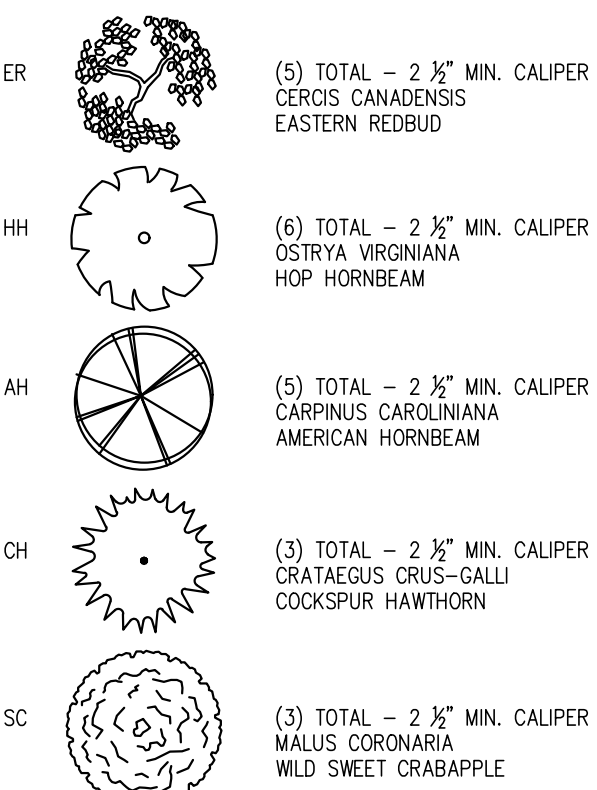


LANDSCAPE LEGEND

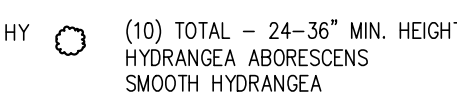
CANOPY TREES



UNDERSTORY TREES



SHRUBS



GROUND COVER



LANDSCAPE NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION AND INSTALLING TREE PROTECTION FENCE AS SHOWN ON THE TOPOGRAPHICAL SURVEY AND DEMOLITION PLAN (SEE SHEET 200). TREE PROTECTION FENCING SHALL REMAIN IN PLACE UNTIL FINAL GROUND COVER AND LANDSCAPING IS INSTALLED.
- CONTRACTOR SHALL ROUGH GRADE ALL SOD AREAS (A) TO SIX INCHES (6") BELOW FINAL GRADE. CONTRACTOR SHALL PROVIDE AND SPREAD A LIGHTLY COMPACTED SIX INCH (6") DEPTH OF LOAMY TOPSOIL IN ALL SOD AREAS - BRINGING THESE AREAS TO TOP OF CURB/FINAL GRADE (COMPACTED).
- ALL TREES PLANTED IN SOD AREAS SHALL INCLUDE A 6 FT. DIAMETER RING OF SHREDDED HARDWOOD MARK MULCH (3 INCH MIN. DEPTH).
- CONTRACTOR SHALL CONFIRM PLANT QUANTITY TAKEOFFS USING DRAWINGS, SPECIFICATIONS AND PLANT SCHEDULE. CONTRACTOR SHALL VERIFY BED MEASUREMENTS AND NOTIFY ENGINEER IF SPACING ISSUES APPEAR UNLIKELY.
- PLANT MATERIAL SUBSTITUTIONS ARE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE ENGINEER. PLANTS MAY BE INSPECTED AND APPROVED OR REJECTED ON THE JOBSITE BY THE OWNER OR THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE LANDSCAPE MAINTENANCE OF THIS PROJECT UNTIL FINAL ACCEPTANCE. SOD AREAS WILL NOT BE ACCEPTED UNTIL THEY AREA AT A MINIMUM OF 1-1/2 INCHES TALL AND NO BARE AREAS LARGER THAN 12 SQUARE INCHES.
- TREES SHALL BE PLANTED AT LEAST THREE FEET (3') FROM THE EDGES OF SIDEWALKS, CURBS, PATHS AND/OR PAVEMENT.

PARKING LOT PERIMETER LANDSCAPING

(1 TREE PER 60 LINEAR FEET OF LANDSCAPE AREA)

FRONTAGE LENGTH	TREES REQUIRED	TREES PROVIDED	SHRUBS REQUIRED	SHRUBS PROVIDED
150' (S. MAIN)	2	2	2	6
207' (S. JACKSON)	3	9	3	4

INTERIOR PARKING LOT LANDSCAPING

(5% MIN. INTERIOR PARKING LOT LANDSCAPING W/1 TREE PER 300 S.F. LANDSCAPE AREA REQUIRED)

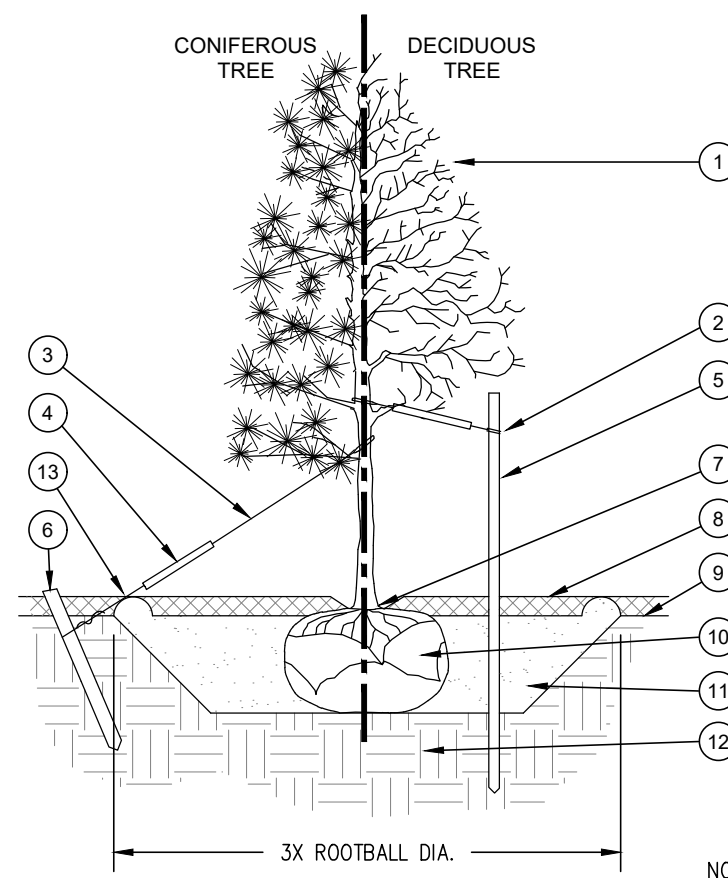
PROPERTY AREA	PAVED SURFACE AREA	INTERIOR LANDSCAPE PROVIDED	TREES REQUIRED	TREES PROVIDED
85,590 S.F.	37,982 S.F.	2,100 S.F. (5.5%)	7	7

PROPERTY INTERIOR LANDSCAPING

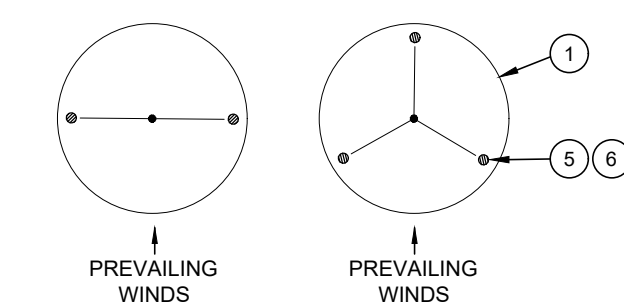
(ZONED 'MXD' THEREFORE MAX. LOT COVERAGE = 100% AND MIN. YARD REQUIRED = 0%)

YARD AREA PROVIDED	TREES REQUIRED	TREES PROVIDED
9,329 S.F.	N/A	27

NOTE:
NO EARTHWORK DISTURBING ACTIVITY
MAY COMMENCE UNTIL A STORM WATER
MANAGEMENT PERMIT IS OBTAINED.

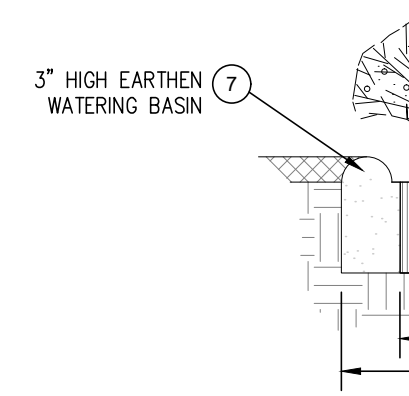


STAKING EXAMPLES (PLAN VIEW)



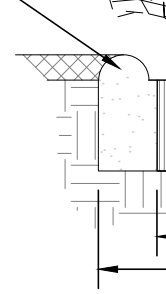
TREE PLANTING DETAILS

NOT TO SCALE



SHRUB PLANTING DETAIL

NOT TO SCALE



LANDSCAPE PLAN

SOUTH MAIN STREET PARKING LOT

DATE: JUNE 18, 2018

CHECKED: TEN

DESIGNED: DMS

DRAWN: KLF

APPROVED: GJI

REGISTERED ENGINEER

NO. 11200008

STATE OF INDIANA

PROFESSIONAL

REVISIONS PER 06.26.18 DESIGN TEAM MEETING W/CITY OF FRANKLIN

REVISIONS

DATE

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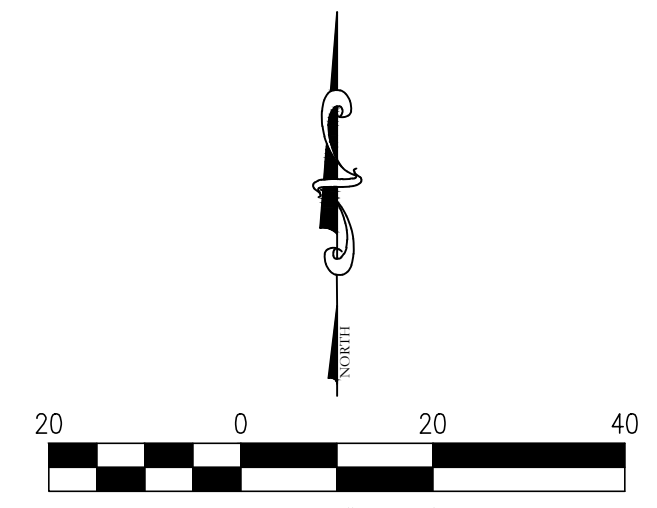
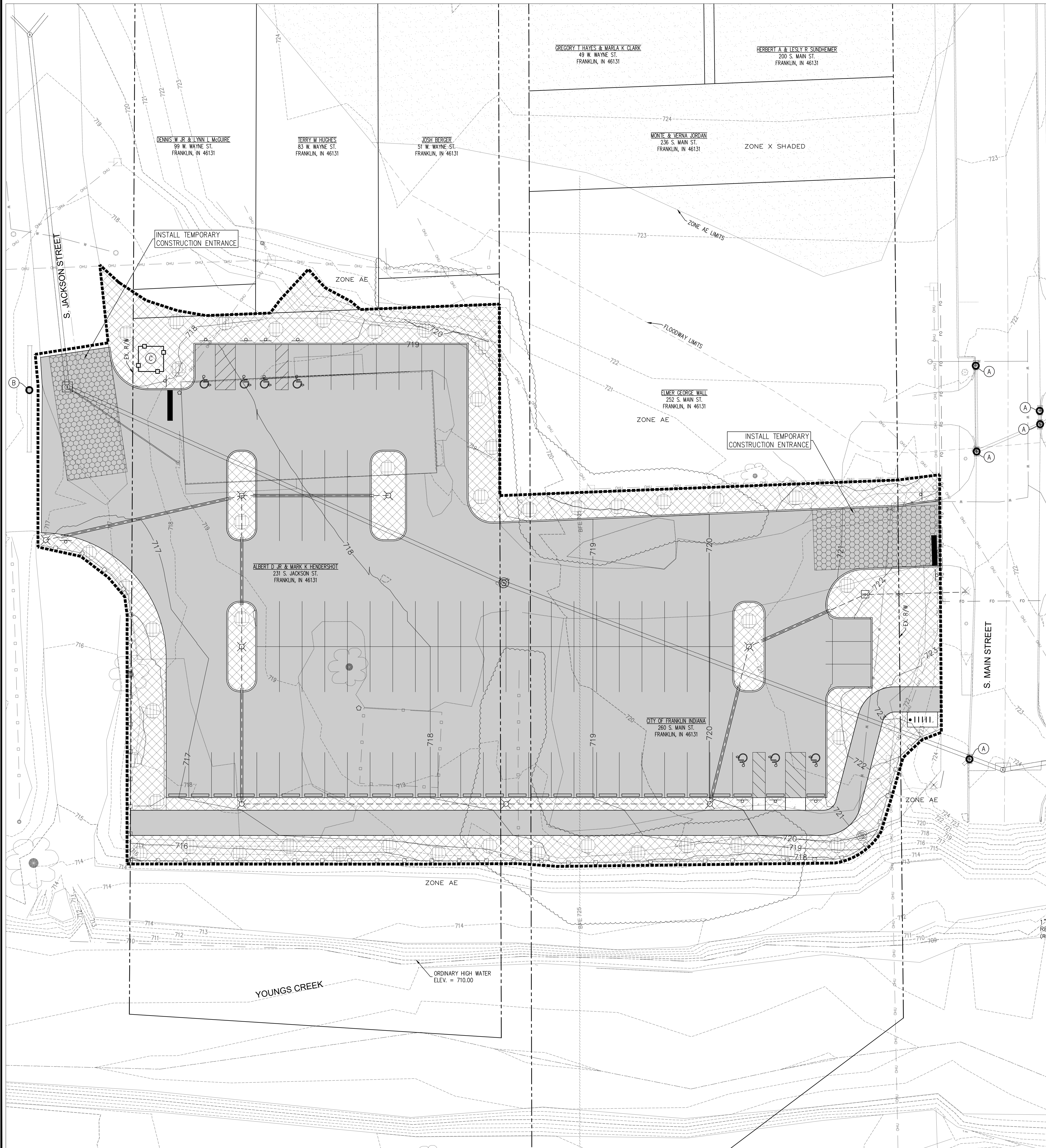
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07-20-18

500

500

DIRECTORY PATH : R:\Active\Franklin, IN\City\South Main Street Parking\Design\CAD\Plans
DATE/USER : 7/20/2018 3:37 PM / Dwyer



ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE OR COUNTY OFFICIALS

EROSION CONTROL LEGEND

NURSERY SOD (SEE LANDSCAPE PLAN-SHEET 500)

MULCHED TREE RING (SEE LANDSCAPE PLAN-SHEET 500)

NOTE: DISTURBED AREAS SHALL BE SEEDED IMMEDIATELY FOLLOWING ROUGH GRADING. AREAS THAT WILL NOT BE DISTURBED AGAIN SHALL RECEIVE PERMANENT STABILIZATION (I.E. SOD OR MULCH). NO UNVEGETATED AREAS, INCLUDING NURSERY SOD AND MULCH AREAS SHOWN HEREON, SHALL BE EXPOSED FOR MORE THAN SEVEN (7) DAYS. SEE STORMWATER POLLUTION PREVENTION PLAN (SHEET 601) FOR TEMPORARY SEED AND MULCH REQUIREMENTS.

CONSTRUCTION DRIVE (SEE DETAIL-SHEET 601)

EXISTING CONTOURS

PROPOSED CONTOURS

SILT FENCE SLOPE CHECK (NUTEC 3 NWS-6 OR APPROVED EQUAL)

CONSTRUCTION LIMITS

SILT SACK CATCH BASIN FILTER (SEE DETAIL-THIS SHEET)

FABRIC DROP INLET PROTECTION (SEE DETAIL-THIS SHEET)

CONCRETE WASHOUT (SEE DETAIL-THIS SHEET)

EROSION CONTROL NOTES

1. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, COUNTY, OR LOCAL OFFICIALS.
2. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR.
3. THERE SHALL BE NO DIRT, DEBRIS, OR STORAGE OF MATERIALS WITHIN THE LIMITS OF THE PROPOSED PARKING AREAS.
4. CONSTRUCTION STAGING AREA (TO BE DETERMINED BY CONTRACTOR) SHALL INCLUDE THE NO POSTING, PORT-O-LETS, TRASH CONTAINERS, AND FUELING TANKS. CONTRACTOR SHALL NOT LOCATE STAGING AREA WITHIN PROPOSED PARKING LOT.
5. A TRAINED INDIVIDUAL MUST PERFORM AN INSPECTION ONCE A WEEK AND AFTER EVERY 3" OR MORE RAIN EVENT. A LOG OF THE INSPECTION REPORTS MUST BE KEPT AND MADE AVAILABLE TO THE TOWN INSPECTOR UPON REQUEST.

DATE: JUNE 18, 2018

DESIGNED: DMS

CHECKED: KLF

DRAWN: TEN

EROSION CONTROL PLAN

SOUTH MAIN STREET PARKING LOT

NO.	1	2	3	4	5	6	7	8	9
DATE	07-20-18								
REVISIONS									
BY									
DMS									
CJ									
APPR.									

600

SHEET

STORMWATER POLLUTION PREVENTION - POST CONSTRUCTION	
C1	<p>PROPOSED POLLUTANTS AND SOURCES ASSOCIATED WITH PROPOSED LAND USE</p> <p>Potential pollutants include petroleum products and antifreeze from automobiles using the parking areas and sediment.</p>
C2	<p>STORMWATER QUALITY MEASURE IMPLEMENTATION</p> <p>Stormwater quality measures are implemented by planting of native perennials, grasses, trees and shrubs for treatment of runoff sheet flowing over vegetative areas.</p>
C3	<p>PROPOSED POST CONSTRUCTION STORMWATER QUALITY MEASURES</p> <p>Permanent sod, native grasses, and trees/shrubs will be placed where shown on plans. Landscaping will prevent erosion on mild slopes while filtering sediments and other pollutants.</p>
C4	<p>LOCATION, DIMENSIONS, SPECIFICATIONS AND DETAILS OF EACH STORMWATER QUALITY MEASURE</p> <p>The location of the water quality measures is shown on construction plans.</p>
C5	<p>MAINTENANCE GUIDELINES OF POST CONSTRUCTION STORMWATER QUALITY MEASURES</p> <p>The landscaping shall be inspected quarterly to ensure proper growth rates and minimize invasive species which shall be removed immediately upon inspection.</p>

MONITORING AND MAINTENANCE GUIDELINES

TEMPORARY CONSTRUCTION ENTRANCE

- Inspect daily and after each storm event. Immediately remove mud and sediment tracked or washed onto public roads.
- Top dress with clean aggregate as needed. Reshape pad as needed for drainage and runoff control.
- Flushing should only be used if the water can be conveyed into a sediment trap or basin.

TOPSOIL:

- Inspect daily and after each storm event.
- Check for erosion or damage of newly spread topsoil and repair immediately.

TEMPORARY SEEDING:

- Inspect seeding within 24 hours of each rain event and at least once every seven calendar days until vegetation is established.
- Check for erosion or movement of seed and mulch and repair immediately.
- Plan to check for erosion the following growing season according to soil test recommendations.
- Repair damaged, bare, or sparse areas by filling any gullies, re-fertilizing, over- or re-seeding, and mulching.
- If plant cover is sparse or patchy, review the plant materials chosen, soil fertility, moisture condition, and mulching; repair the affected area either by over-seeding or by re-seeding and mulching after re-preparing the seed bed.
- If vegetation fails to grow, consider soil testing to determine acidity or nutrient deficiency problems.
- If additional fertilization is needed to get a satisfactory stand, do so according to soil test recommendations.
- Reference INDOT Specification 621.05.

MULCHING:

- Inspect within 24 hours of each rain event to check for movement of mulch or for erosion.
- If washout, breakage, or erosion is present, repair damage areas, re-seed, apply new mulch, and anchor mulch in place.
- Continue inspections until vegetation is firmly established.
- Reference INDOT Specification 621.05.

NURSERY SOD:

- Inspect within 24 hours of each rain event and at least once every seven calendar days until sod is well rooted.
- Keep sod moist until fully rooted.
- After sod is well-rooted (two to three weeks), maintain a plant height of two to three inches.
- Time mowing to avoid ruts in turf.
- Fertilize turf areas annually. Apply fertilizer in a split application. For cool-season grasses, apply one-half of the fertilizer in late spring and one-half in early fall. For warm-season grasses, apply one-third in early spring, one-third in late spring and one-third in mid-summer.

SILT FENCE:

- Inspect within 24 hours of each rain event and at least once every seven calendar days.
- If fence fabric tears, starts to decompose, or in any way becomes ineffective, replace the affected portion immediately.
- Remove deposited sediment when it reaches half the height of the fence at its lowest point or is causing the fabric to bulge.
- Take care to avoid undermining the fence during clean out.
- After the contributing drainage area has been stabilized, remove the fence and sediment deposits, bring the disturbed area to grade and stabilize.

FABRIC DROP INLET PROTECTION:

- Inspect the fabric barrier periodically and after each $\frac{1}{2}$ " rain event, and make needed repairs immediately.
- Remove sediment from the pool area to provide storage for the next storm. Avoid damaging or undercutting the fabric during sediment removal.
- When the contributing drainage area has been stabilized, remove and properly dispose of all construction material and sediment, grade the area to the elevation of the top of the inlet, then stabilize.

SILT SACK INLET PROTECTION:

- Inspect the silt sack inlet protection periodically and after each $\frac{1}{2}$ " storm event.
- Remove deposited sediment when it reaches half the height of the filter at the lowest point.
- Remove the Silt Sack Inlet Protection and sediment deposits after contributing drainage area is stabilized.

CONCRETE WASHOUT:

B. Signs shall be placed at the construction entrance, at the washout area, and elsewhere as necessary to clearly identify the location of the concrete washout area to operators of concrete trucks and pump rigs.

C. The concrete washout area shall be repaired and enlarged or cleaned out as necessary to maintain capacity for wasted concrete.

D. At the end of construction, all concrete shall be removed from the site and disposed of at an approved waste site.

E. When the concrete washout area is removed, the disturbed area shall be seeded and mulched or otherwise stabilized in a manner approved by the inspector.

CONSTRUCTION	SEQUENCE	NUMBER	OF	EROSION	CONTROL
IMPLEMENTATION					
1. Schedule a Rule 5 Pre-Construction Meeting with the Johnson County Sales & Water Conservation Director (317-736-9540) and City of Franklin MS Coordinator (317-736-3640) at least 48 hours prior to start of work.					
2. Install silt fence per the Erosion Control Plan (Sheet 6000) before any land disturbing activity.					
3. Install drop inlet protection and silt sack protection measures at existing storm sewer structures per the Erosion Control Plan (Sheet 6000). Inlet protection measures shall remain in place until vegetation is secure.					
4. Install temporary construction fences per the Erosion Control Plan (Sheet 6000). The construction entrances shall remain in place until the completion of all earthwork operations. The concrete washout area shall remain in place until the completion of all concrete placement.					
5. Install concrete washout the Erosion Control Plan (Sheet 6000). Concrete washout shall remain in place until all concrete work is complete.					
6. Begin earthwork operations. Temporary seed areas left undisturbed for more than seven days shall be unvegetated areas and exposed to more than seven days.					
7. Construct parking lot, path, curbs, and sidewalks per the plans.					
8. Remove concrete washout area upon completion of concrete placement. Remove and dispose of all trash from the site. Remove accumulated sediment from the site and incorporate into the site's topsoil.					
9. Final grade site utilizing stockpiled topsoil and install all permanent surface stabilization features including sod, perennials, pines, trees, shrubs, and mulch.					
10. Final paver operations. All temporary erosion control measures, except those specified for removal in the sequences above, shall remain in place until vegetation is secure.					

GENERAL EROSION CONTROL REQUIREMENTS FOR COMPLIANCE WITH IDEM GENERAL PERMIT RULES FOR STORM WATER RUNOFF FROM CONSTRUCTION SITES

1. All Erosion Control practices shall be in accordance with the latest edition of the INDIANA STORM WATER QUALITY MANUAL.
2. The Erosion Control measures included in this plan shall be installed prior to initial land disturbance activities or as soon as practical. Sediment shall be prevented from discharging from the project site by installing and maintaining silt fence, storm bores, sediment basins, etc. As shown on this plan.
3. All on-site storm drain inlets shall be protected against sedimentation with silt socks, inlet filters, filter fabric, or equivalent barriers as shown on this plan.
4. Except as prevented by inclement weather conditions or other circumstances beyond the control of the contractor/developer appropriate Erosion Control practices will be initiated within (7) seven days of the last land disturbing activity at the site. The site shall be stabilized by seeding, sodding, mulching, covering, or by other equivalent Erosion Control measures.
5. This Erosion Control plan shall be implemented on all disturbed areas within the construction site. All measures involving Erosion Control practices shall be installed under the guidance of a qualified person experienced in Erosion Control and following the plans and specifications included herein.
6. During the period of construction activity, all sediment basins and other Erosion Control measures shall be maintained by the contractor. At the completion of construction, the contractor shall coordinate the transfer of required maintenance responsibilities with the owner.
7. Public or private roadways shall be kept cleared of accumulated sediment. Bulk clearing of accumulated sediment shall not include flushing the area with water. Cleared sediment shall be returned to the point of their origin or other suitable location.
8. The contractor shall control wastes, garbage, debris, wastewater, and other substances on the site in such a way that they shall not be transported from the site by the action of winds, storm water runoff, or other forces. Proper disposal or management of all wastes and unused building materials appropriate to the nature of the waste or material is required.
9. Additional Erosion Control measures may be required by state or county agencies.

ADDITIONAL MATERIAL HANDLING AND SPILL PREVENTION PLAN

A. **PURPOSE**

The purpose of this plan is two fold:

1. To help protect the health and safety of those working on the site as well as the environment.
2. To protect the environment from storm water runoff. Pollutants generated on site include gasoline, diesel fuel, oils, grease, paints, pesticides, nutrients, concrete washout, soil, solvents, paper, plastic, Styrofoam, metals, glass and other forms of liquid or solid wastes.

This plan outlines procedures to help prevent health and safety issues, contamination of storm water by onsite pollutants, help prevent fuel and chemical spills and provide a response procedure should a spill occur.

B. **SPILL PREVENTION AND READINESS**

1. The contractor or responsible party will prepare a contact list with the event of a spill on the site. This contact list will specify first responders, the contractor, the local fire department, the local health department, the local emergency responders and a chain of command. Include information on what circumstances require the initiation of the contact list and chain of command.
2. The contractor/owner shall maintain a list of qualified contractors, Vocs-trucks, tank pumpers and other equipment and businesses qualified to do clean-up operations. Absorbent materials and supplies need to be available onsite in sufficient quantities to address minor spills. All employees need to be educated on the proper application of the absorbent materials.
3. All maintenance and equipment operators must be aware and trained for prevention of spills. A continuing education program is required for new employees and emphasizing the importance to all employees.
4. All materials used in the course of a cleanup will be disposed in a manner approved by Indiana Department of Environmental Management.
5. Using water to flush spilled material will not be permitted unless authorized by a state, federal, or local agency. Tarpas can be used to cover spilled material during rain events.

C. **SPILL RESPONSE**

Minor - Small spills that typically involve oil, gasoline, paint, hydraulic fluid etc. Minor spills can be controlled by the first responder at the discovery of the spill.

- Contain spill to prevent material from entering storm or ground water. Do not flush with water or bury.
- Use absorbent material to clean-up spill material and any subsequently contaminated soil and dispose of properly.

Semi-significant Spills - Approximately ten gallons or less of pollutant with no contamination of ground or surface waters. Minor spills can be generally controlled by the first responder with help from contact supervisors and designated inspectors. This response may require other operations to stop to make sure the spill is quickly and safely addressed. At the discovery of the spill:

- Contain spill to prevent material from entering storm or ground water. Do not flush with water or bury.
- Use absorbent material to clean-up spills and dispose of properly. Spills on impervious surfaces should be contained with a dry absorbent. Spills on clayey soils should be contained by constructing an earthen dike and should be disposed of as soon as possible to prevent migration deeper into the soil and groundwater. Dispose of contaminated soils or absorbents properly.
- Contact 911 if this spill could be a safety issue.
- Contact supervisors and designated inspectors immediately.
- Contaminated solids to be removed to an approved landfill.

Major or Hazardous Spills - More than ten gallons, there is the potential for death, injury or illness to humans or animals or has the potential for surface or groundwater pollution.

- Contain or contain the spill without risking body harm. Temporarily plug storm drains if possible.
- Immediately call the local Fire Department at 911 to report any hazard material spill.
- Contact supervisors and designated inspectors immediately. Other county or municipal officials (list as needed) responsible for storm water facilities should be contacted as well. The contractor is responsible for having the spill report available at the job site. A written report should be submitted to the owner as soon as possible.
- As soon as possible but within 2 hours of discovery, contact the Department of Environmental Management.

Office of Emergency Response 1-888-233-7745. The following information should be noted for reports to IDEM or the National Response Center.

- o Name, address and phone number of person making the spill report
- o The location of the spill
- o The time of the spill
- o Identification of the spilled substance
- o Approximate quantity of the substance that has been spilled or may be further spilled
- o The duration and source of the spill
- o Name and location of the damaged waters
- o Name of spill response organization
- o What measures were taken to limit the spill response
- o Other information that may be significant

Major - Small spills that typically involve oil, gasoline, paint, hydraulic fluid etc. Minor spills can be controlled by the first responder at the discovery of the spill.

consulted to make sure all appropriate and required steps have been taken. Contaminated soils should only be removed from the site after approval is given by Emergency Response.

THE FOLLOWING PROCEDURES AND PRACTICES WILL HELP PREVENT UNNECESSARY SPILLS

I. Vehicle and Equipment Fueling

Description and Purpose:

- Vehicle equipment fueling procedures and practices are designed to prevent fuel spills and leaks, and reduce or eliminate contamination of stormwater. This can be accomplished by using offsite facilities, fueling in designated areas only, enclosing or covering stored fuel, implementing spill controls, and training employees and subcontractors in proper fueling procedures.

Limitations:

- Onsite vehicle and equipment fueling should only be used where it is impractical to send vehicles and equipment offsite for fueling.

Implementation:

- Use offsite fueling stations as much as possible. These businesses are better equipped to handle fuel and spills properly. Fueling this work offsite can also be economical by eliminating the need for a separate fueling area at a site.
- Discourage "topping-off" of fuel tanks.
- Absorbent spill cleanup materials and spill kits should be available in fueling areas and on fueling trucks, and should be disposed of properly after use.
- Drip pans or absorbent pads should be used during vehicle and equipment fueling, unless the fueling is performed over an impermeable surface in a dedicated fueling area.
- Use absorbent materials on small spills. Do not hose down or bury the spill. Remove the absorbent materials promptly and dispose of properly.
- Avoid mobile fueling of mobile construction equipment around the site; rather, transport the equipment to designated fueling areas.
- Train employees and subcontractors in proper fueling and cleanup procedures.
- Dedicated fueling areas should be protected from stormwater run-on and runoff, and should be located at least 50 feet away from the downstream drainages, ditches and watercourses. Fueling must be performed on level-grade areas.
- Protect fueling areas with berms and dikes to prevent run-on, runoff, and to contain spills.
- Nozzles used in vehicle and equipment fueling should be equipped with an automatic shutoff to control drips. Fueling operations should not be left unattended.
- Federal, state, and local requirements should be observed for any stationary above ground storage tanks.

Inspection and Maintenance

- Vehicles and equipment should be inspected each day of use for leaks. Leaks should be repaired immediately or problem vehicles or equipment should be removed from the project site.
- Keep ample supplies of spill cleanup materials onsite.
- Immediately clean up spills and properly dispose of contaminated soils.

II. Solid Waste Management

Description of Purpose:

- Solid waste management procedures and practices are designed to prevent or reduce the discharge of pollutants to stormwater from solid or construction waste by providing designated waste collection areas and containers, arranging for regular disposal, and training employees and subcontractors.

Suitable Applications:

This BMP is suitable for construction sites where the following wastes are generated or stored:

- Solid waste generated from trees and shrubs removed during land clearing, demolition of existing structures (rubble), and building materials.
- Packing materials including wood, paper, and plastic.
- Scrap or surplus building materials including scrap metals, rubber, plastic, glass pieces, and masonry materials.
- Domestic wastes including food containers such as beverage cans, coffee cups, paper bags, plastic wrappers, and cigarettes.
- Construction waste including brick, mortar, timber, steel and metal scraps, pipe and electrical cuttings, non-hazardous equipment parts. Styrofoam and other materials send stormwater pollution construction materials.

		PERMANENT SEED MIXTURES			
SPECIES		SEEDING RATE LB/Acre	SEEDING RATE lb/1000 sq ft	SEE SUSTAINABILITY GROUNDSHEET	
LEVEL AND SLOPING OPEN AREAS	TALL FESCUE	35	5.5 - 8.3	2	1
	TALL FESCUE	25	5.5 - 8.3	1	2
	RED CLOVER **	15	5.5 - 7.5	2	1
	KENTUCKY BLUEGRASS CREEPING RED FESCUE	15	5.5 - 7.5	2	1
STEEP BANKS AND DITCHES	TALL FESCUE	35	5.5 - 7.5	2	1
	KENTUCKY BLUEGRASS	15	5.5 - 7.5	2	1
DRAINAGE DITCHES	TALL FESCUE	35	5.5 - 8.3	2	1
	EMERALD ORNAMENTH **	10			
	TALL FESCUE	10	5.5 - 8.3	2	1
DRAINAGE DITCHES WITH BARRIERS	KENTUCKY BLUEGRASS CREEPING RED FESCUE	40	5.5 - 7.5	2	1
	PERENNIAL RYEGRASS (TURF TYPE)	170	5.0 - 7.5	1	
	TALL FESCUE	170	5.5 - 8.3	2	1
	TALL FESCUE	170	5.5 - 8.3	2	1

1= PREFERRED 2= WILL TOLERATE ** = INOCULATE WITH SPECIFIC NOCULATES

Implementation:

- The following steps will help keep a clean site and reduce stormwater pollution:
- Select designated waste collection areas onsite.
- Inform trash-hauling contractors that they will accept only watertight dumpsters for onsite use.
- Provide dumpsters for leaks and repair any dumpster that is not watertight.
- Provide an adequate number of containers with lids or covers that can be placed over the container to keep rain out or to prevent loss of wastes when it is windy.
- Plan for additional containers and more frequent pickup during the demolition phase of construction.
- Collect site trash daily, especially during rainy and windy conditions.
- Remove this waste promptly since erosion and sediment controls tend to collect litter.
- Make sure that toxic liquid wastes (used oils, solvents, and paints) and chemicals (acids, pesticides, additives, curing compounds) are not disposed of in dumpsters designed for non-hazardous waste.
- Do not hose out dumpsters on the construction site. Leave dumpster cleaning to the trash hauling contractor.
- Arrange for regular waste collection before containers overflow.
- Clean up immediately if a container does spill.
- Make sure that construction waste is collected, removed, and disposed of only at a facility to verify confirmed BMP implementation.
- Locate solid waste storage areas. Solid waste storage areas should be located in areas prone to flooding or ponding.
- Locate solid waste dumpster a minimum of 50' away from storm water inlets or other drainage facilities.
- Locate dumpster on stone or earth to minimize the potential for spills or leaks to drain immediately into a drainage facility.

Inspection and Maintenance:

- Inspect and verify that activity-based BMPs are in place prior to the commencement of associated activities. While activities associated with the BMP are under way, inspect and verify confirmed BMP implementation.
- Inspect BMPs subject to non-stormwater discharge daily while non-stormwater discharges occur.
- Inspect construction waste bins are regularly.
- Arrange for regular waste collection.

III. Concrete Washout

The following steps will help reduce stormwater pollution from concrete wastes:

- Discuss the concrete management techniques described in the BMP (such as handling of concrete waste and washout) with the ready-mix concrete supplier before any deliveries are made.
- Incorporate requirements for concrete waste management into material supplier and subcontractor contracts.
- Store dry and wet materials under cover, away from drainage areas.
- Avoid mixing excess amounts of fresh concrete.
- Perform washout of concrete trucks offsite or in designed areas for concrete.
- Do not wash concrete trucks into storm drains open ditches, streets, or streams.
- Do not allow excess concrete to be dumped onsite, except in designed areas.

For onsite washout:

- Locate washout areas at least 50 feet from storm drains, open ditches, or water bodies.
- Do not allow runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste.
- Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed properly.
- Avoid creating runoff by drinking water to the bermed or level area when washing concrete rebar forms and expose the aggregate.
- Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate stockpile or dispose in the trash.

IV. Vehicle Maintenance Areas

Purpose: To prevent spills during the normal maintenance of construction machinery.

Implementation: – Where and when feasible, maintenance shall be performed offsite in covered facility with an impervious floor.

- Use a dedicated site for machinery maintenance.
- Site the maintenance area at least 50 feet from storm water inlets or water bodies.
- Maintain clean up materials close at hand. Utilize drip pans and absorbent pads to prevent oils from reaching the soil surface.
- Inspect equipment daily for leaks or worn hoses. Repair or replace to prevent onsite oil failures.
- Properly dispose of all fluids removed or spilled from machinery.

V. Fluids, paints, solvents and other chemicals storage and use

Purpose: To prevent spills during the use and storage of the materials

Implementation: –

- Store materials in their original containers
- Maintain safety data sheets on all products
- Store materials in a weather proof/vandal resistant locker or building
- Keep materials away from flammable sources
- Provide and read instructions for the proper use and storage of all materials
- For bulk material stored on site, provide diking or double containment in case of leaks or failures
- No washout of solvent from paint supplies should be done near or into a storm water inlet or other drainage facility.

VI. Disposal of sediment laden water

Purpose: To prevent the purposeful discharge of sediment laden water into waters of the United States.

Implementation: –

- The sediment and any other pollutant from all pumping or dewatering operations that discharge into storm sewers, wetlands, ponds or water bodies must be removed from the water before it's discharged.
- A suitable practice is needed at the discharge to allow the suspended solids to be removed from the water column. Slow moving water and time are needed components for an effective practice. Mechanical filters and chemical flocculants can do an excellent job of removing the fine materials.
- Sedimentation tanks can be used at the outlet of a pump. The bags must be sized appropriately for the amount of flow. The practice needs to be installed on erosion resistant surfaces. The outlet of the pumping bag must be erosion resistant to avoid additional sedimentation.
- Pumping operations that are moving clean water through a site are not required to have a pumping bag or similar device at the outlet. The point of discharge should be protected to prevent soil erosion.

3.0%

SEE AGGREGATE STOCKPILE FOR DETAILS

FLOW

ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE OR COUNTY OFFICIALS											
SOIL CONDITION	SLOPE				SLOPE TOLERANCE (FEET PER 100 FEET)	SALT TOLERANCE					
	MT	NP	SP	SR		MT	NP	SP	SR		
CEMENTING BED RESIDUE CONCRETE CURABLE ASPHALT	1	2	1	1	1	MT	1	20-25	12-18	1	S
CEMENTING BED RESIDUE CONCRETE CURABLE ASPHALT	1	2	1	1	1	MT	1	20-25	12-18	1	MT
CEMENTING BED RESIDUE CONCRETE CURABLE ASPHALT	2	1	1	1	1	LOW	1	24-36	24-36	1	MT
CEMENTING BED RESIDUE CONCRETE CURABLE ASPHALT	1	2	1	1	1	MT	1	20-25	12-18	1	MT
CEMENTING BED RESIDUE CONCRETE CURABLE ASPHALT	1	1	1	2	1	LOW	1	5-10	24	14-21	T
CEMENTING BED RESIDUE CONCRETE CURABLE ASPHALT	1	1	2	1	1	MT	1	7-10	18	5-10	S

RANKING

1 GOOD

2 MODERATE

3 NOT TOLERANT

SALT TOLERANCE (TO BOTH SOIL, SALTS AND SPRAY)

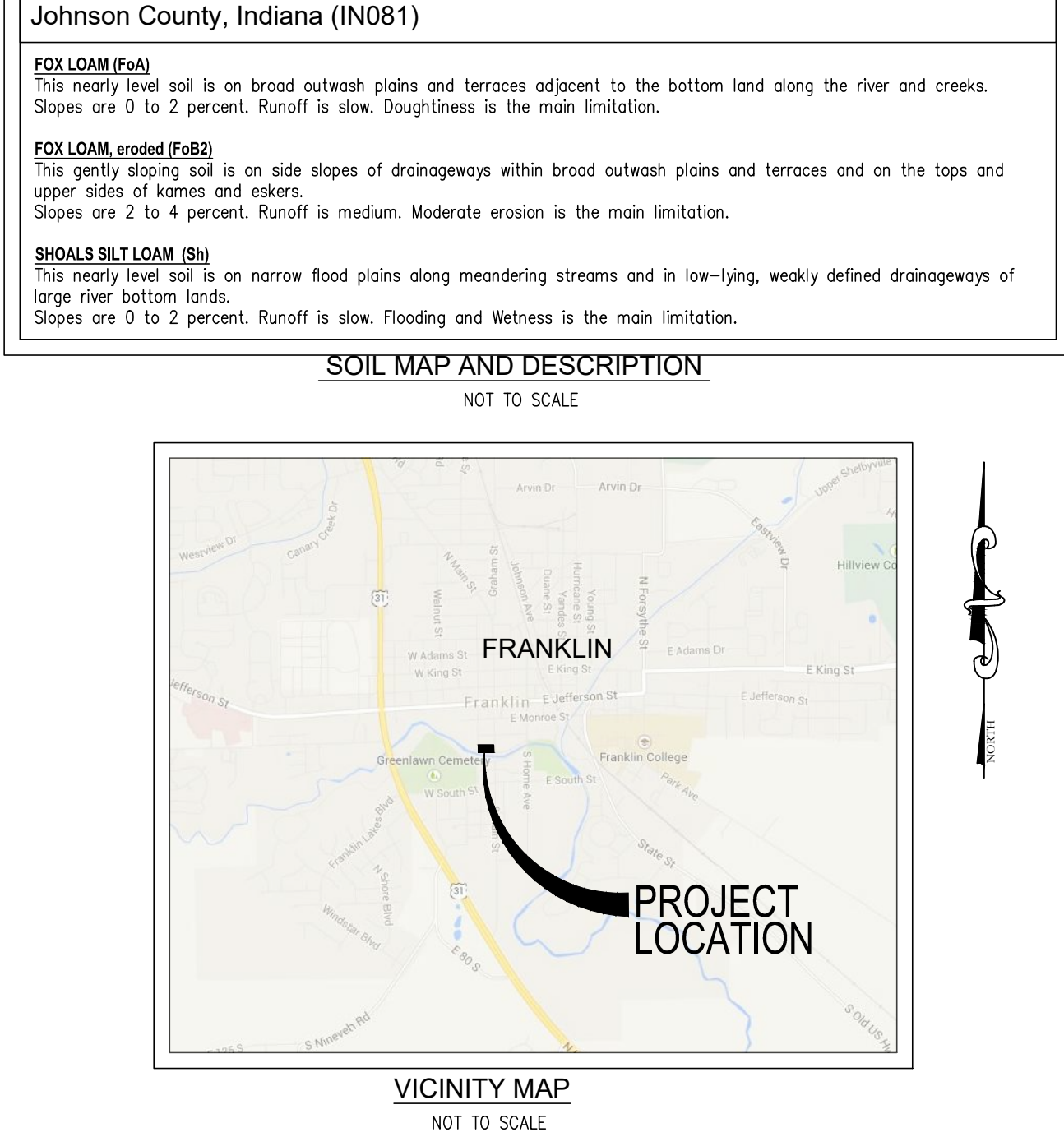
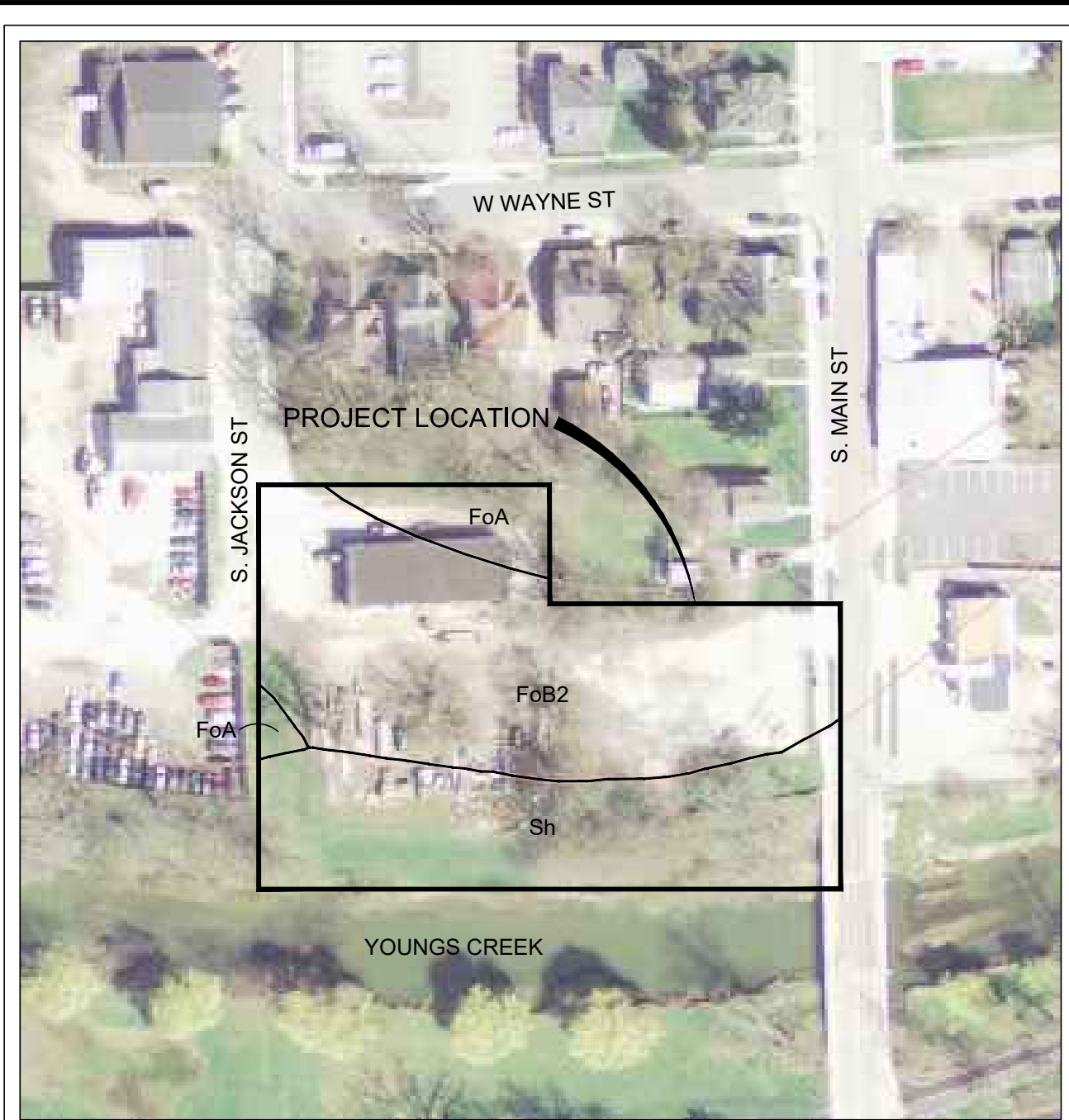
1 = TOLERANCE

2 = MODERATE TOLERANCE

3 = SLIGHT TOLERANCE

TEMPORAL

ENTER



PARENT LEGAL DESCRIPTION

INSTRUMENT NO. 2011-012236

A PART OF LOT NO. 40 OF THE ORIGINAL PLAT OF THE TOWN (NOT CITY) OF FRANKLIN, JOHNSON COUNTY, INDIANA, THE PLAT OF WHICH IS RECORDED IN THE OFFICE OF THE RECORDER OF JOHNSON COUNTY, PLAT BOOK NO. 1, PAGE NO. 1, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID LOT NO. 40; THENCE WEST ALONG THE NORTH LINE OF SAID LOT NO. 40 A DISTANCE OF 145.00 FEET; THENCE DEFLECTING 90 DEGREES EAST ALONG THE NORTH LINE OF SAID LOT NO. 40 A DISTANCE OF 144.00 FEET TO THE SOUTH LINE OF LOT NO. 40; THENCE DEFLECTING 93 DEGREES 11 MINUTES LEFT IN AN EASTWARD DIRECTION ON AND ALONG THE SOUTH LINE OF LOT NO. 40 A DISTANCE OF 95.00 FEET; THENCE DEFLECTING 88 DEGREES 49 MINUTES TO THE LEFT IN A NORTHERLY DIRECTION A DISTANCE OF 7.00 FEET; THENCE NORTH 00 DEGREES 00 MINUTES ON AND ALONG THE NORTH LINE OF SAID LOT NO. 40 A DISTANCE OF 144.00 FEET TO THE EAST LINE OF SAID LOT NO. 40; THENCE DEFLECTING 93 DEGREES 11 MINUTES LEFT IN AN EASTWARD DIRECTION (AS CALLED FOR IN ADDINGING DEED OF TITLE); THENCE DEFLECTING 78 DEGREES 21 MINUTES TO THE LEFT IN A NORTHERLY DIRECTION A DISTANCE OF 7.00 FEET; THENCE EAST 40.00 FEET TO THE EAST LINE OF SAID LOT NO. 40; THENCE NORTH ON AND ALONG THE EAST LINE OF LOT NO. 40 A DISTANCE OF 124.00 FEET TO THE POINT OF BEGINNING CONTAINING 0.574 ACRES, MORE OR LESS.

INSTRUMENT NO. 2011-026959

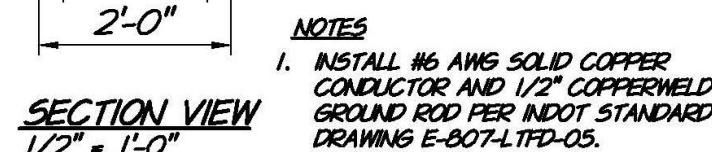
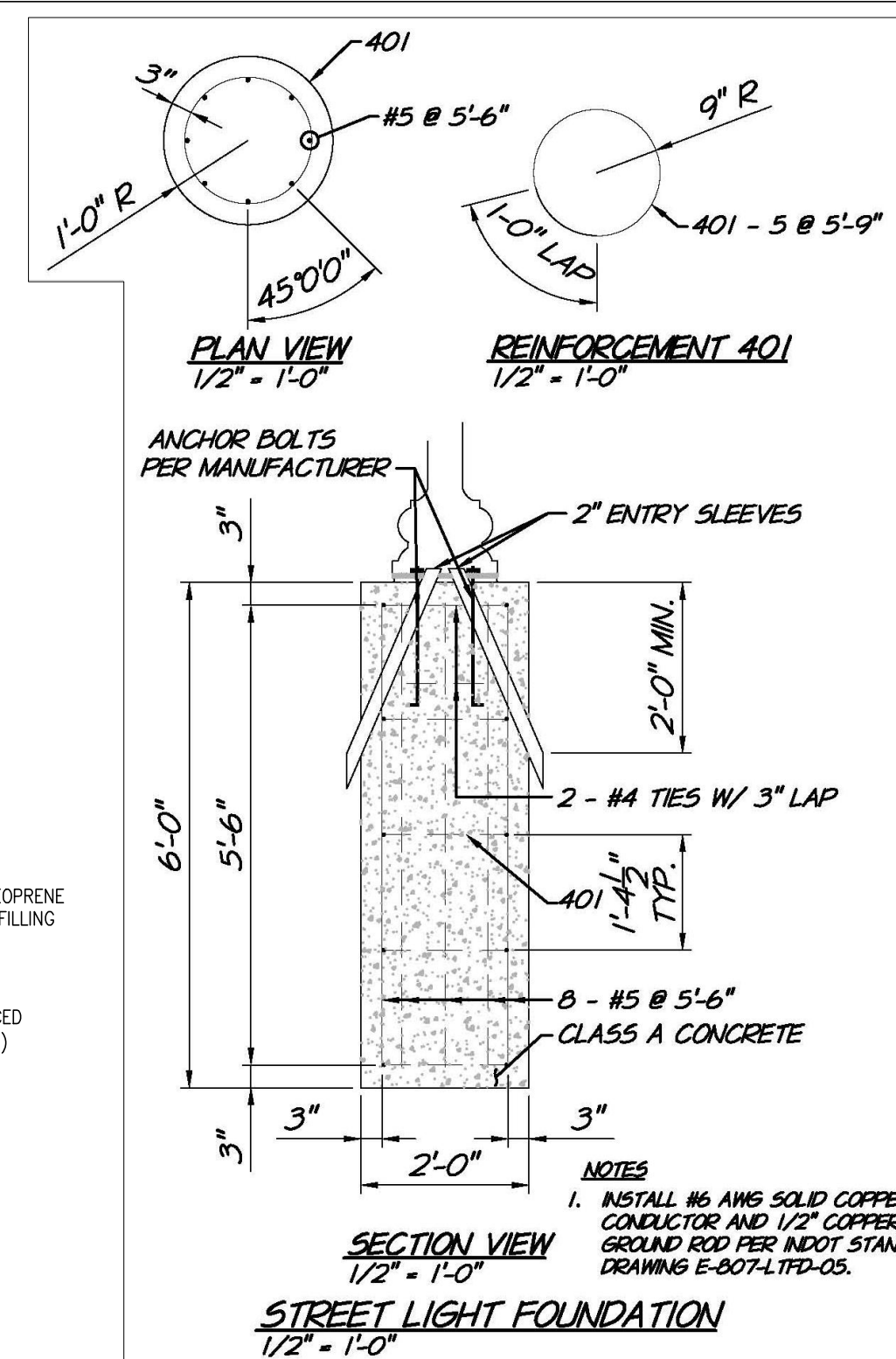
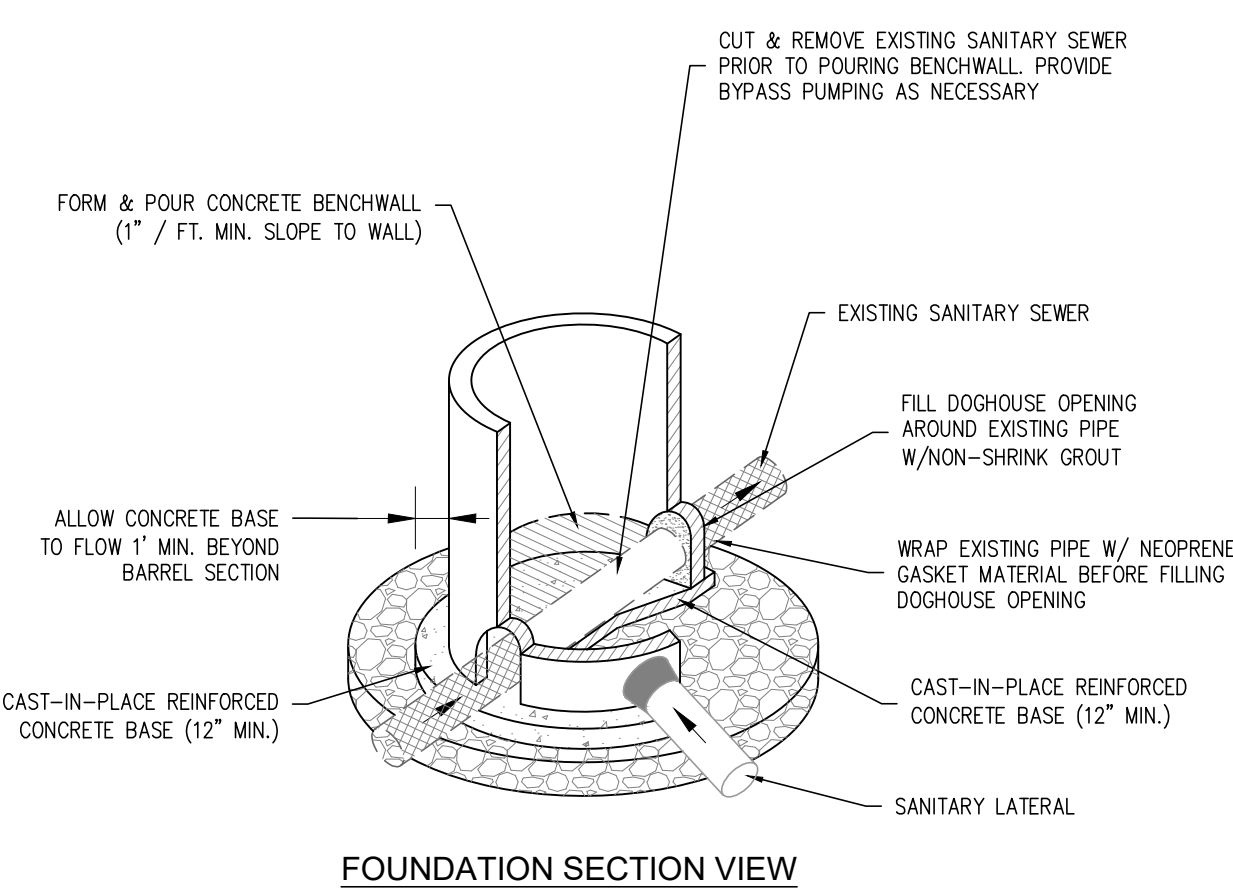
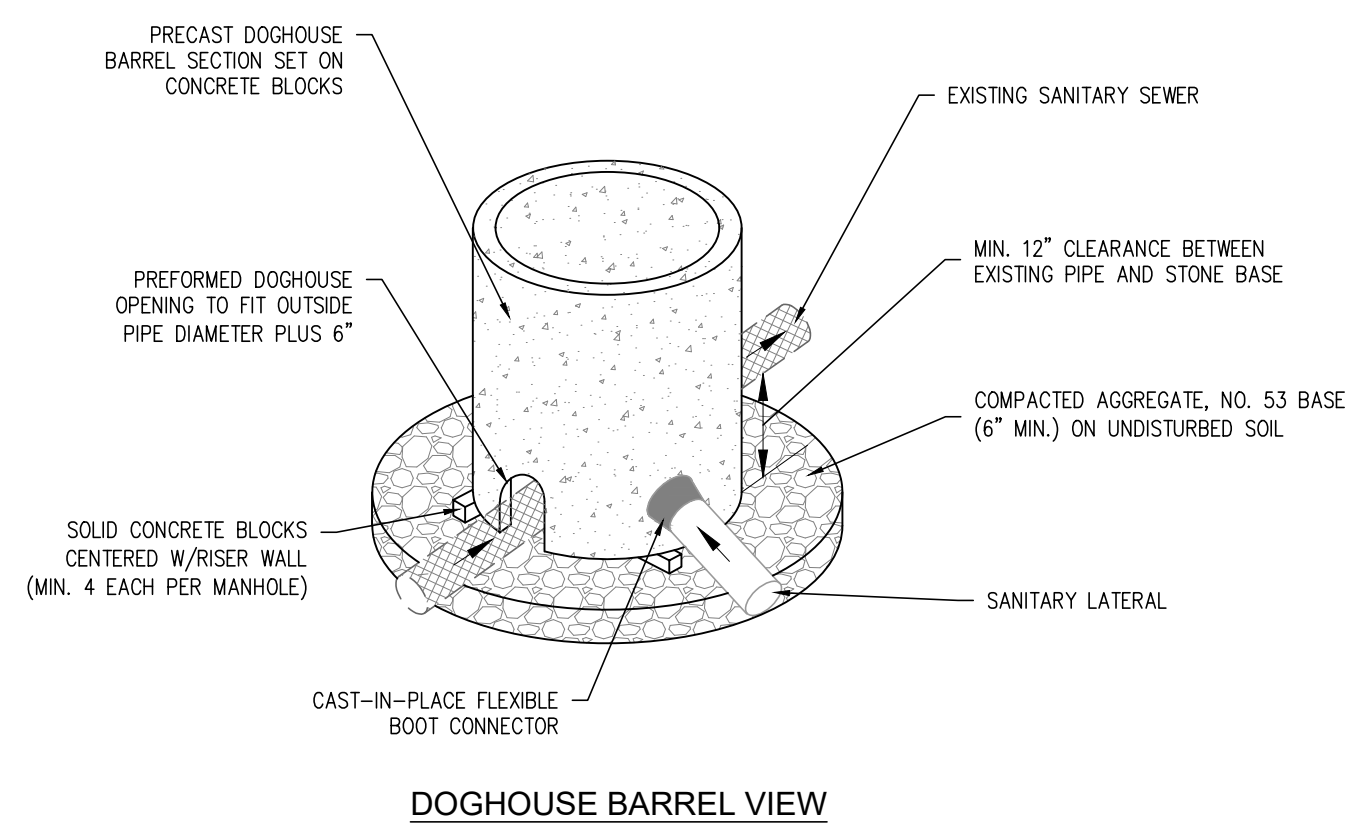
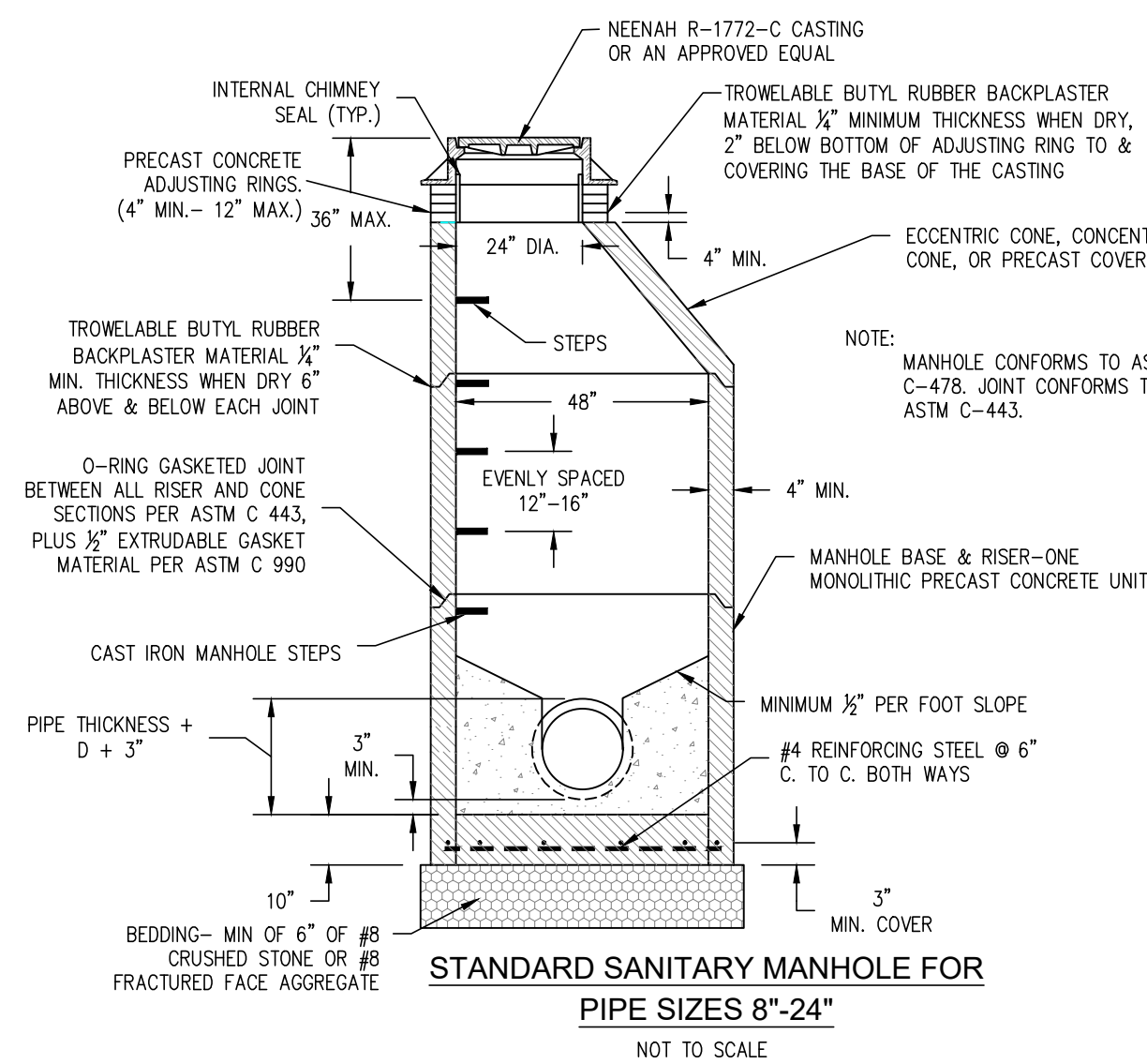
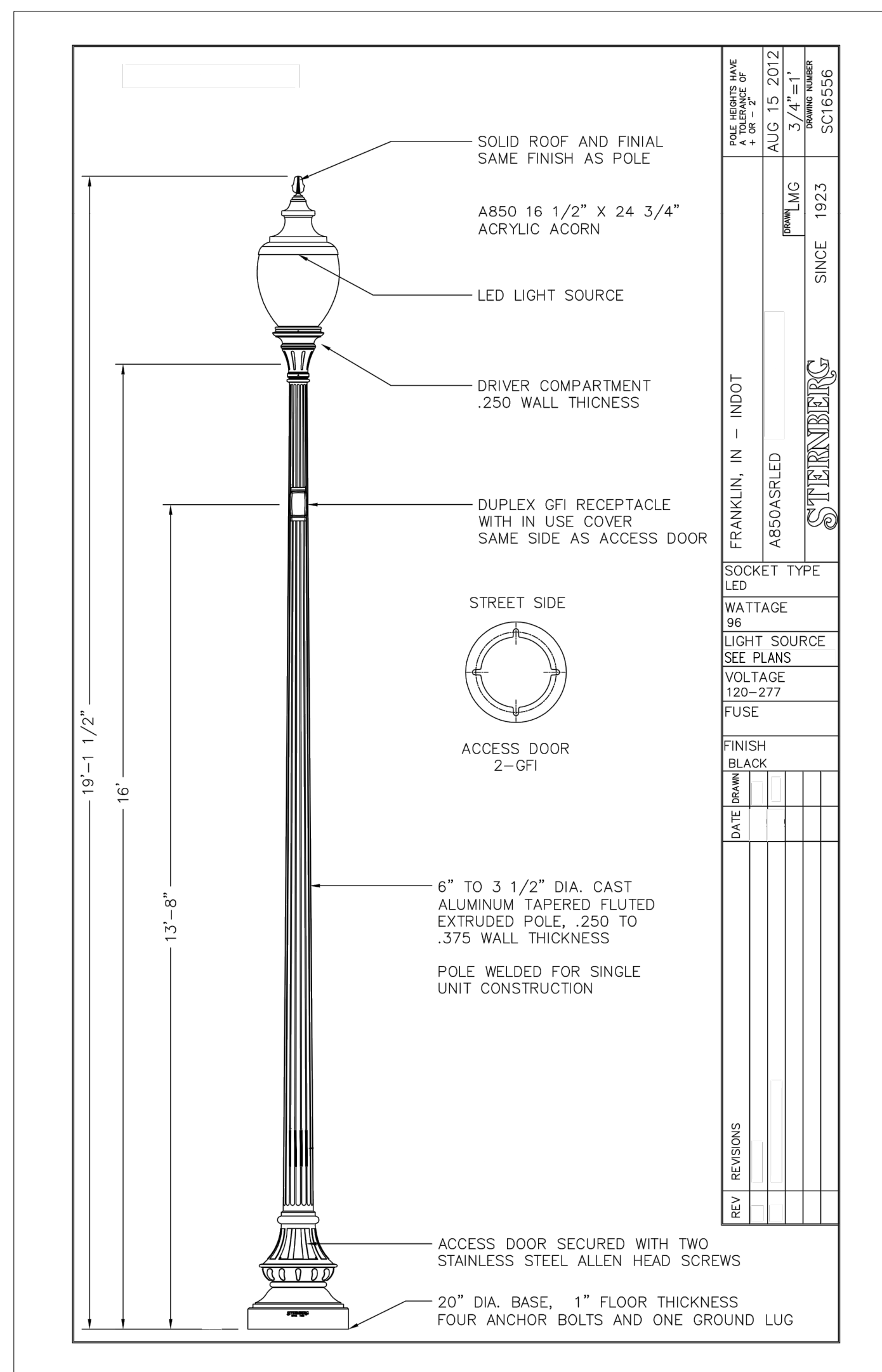
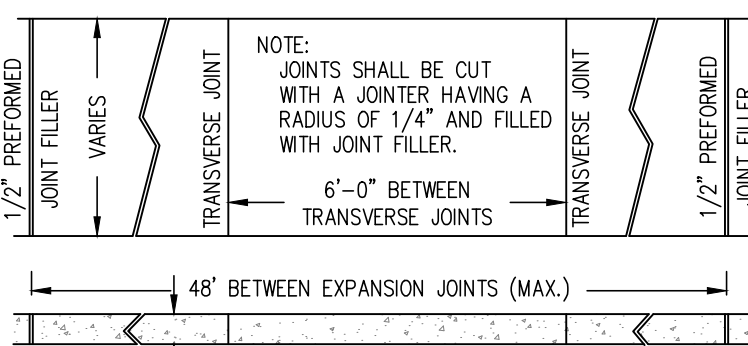
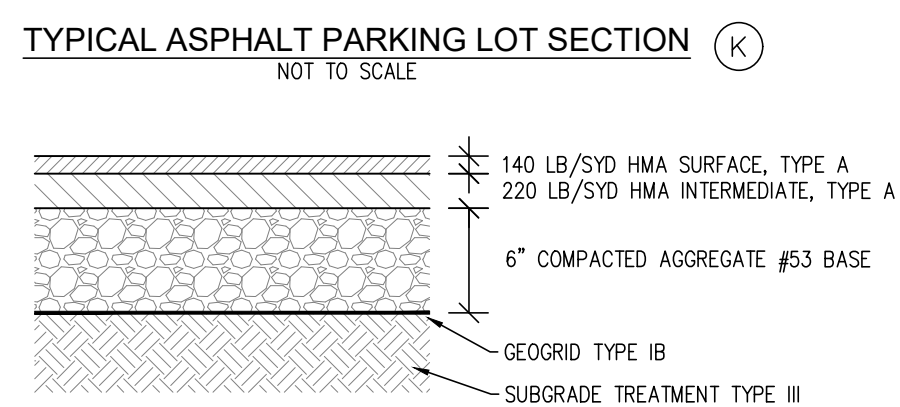
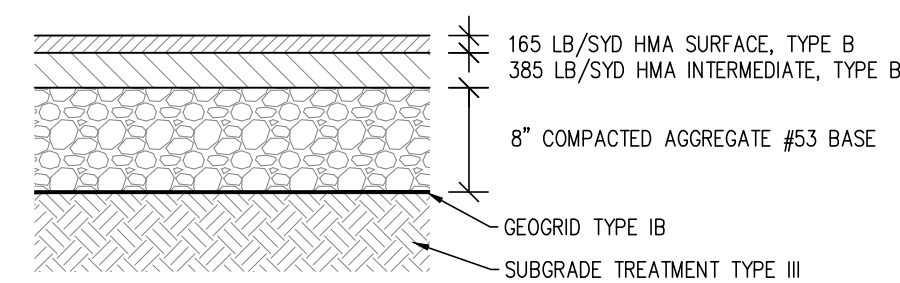
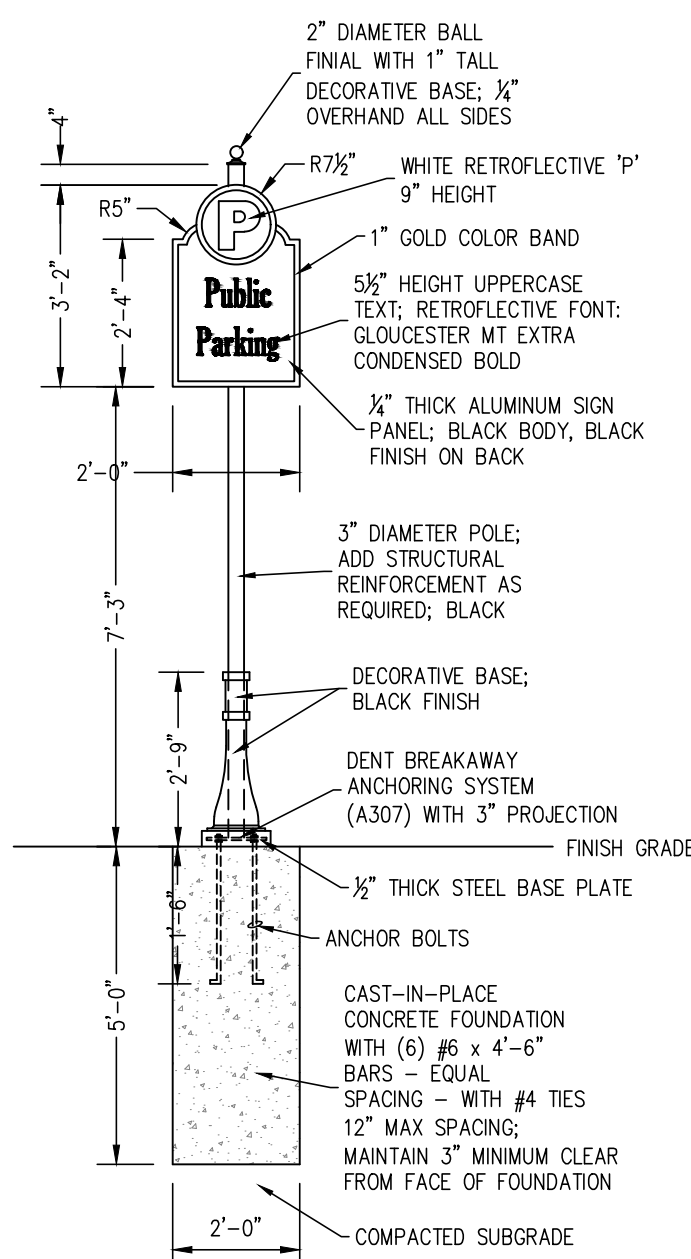
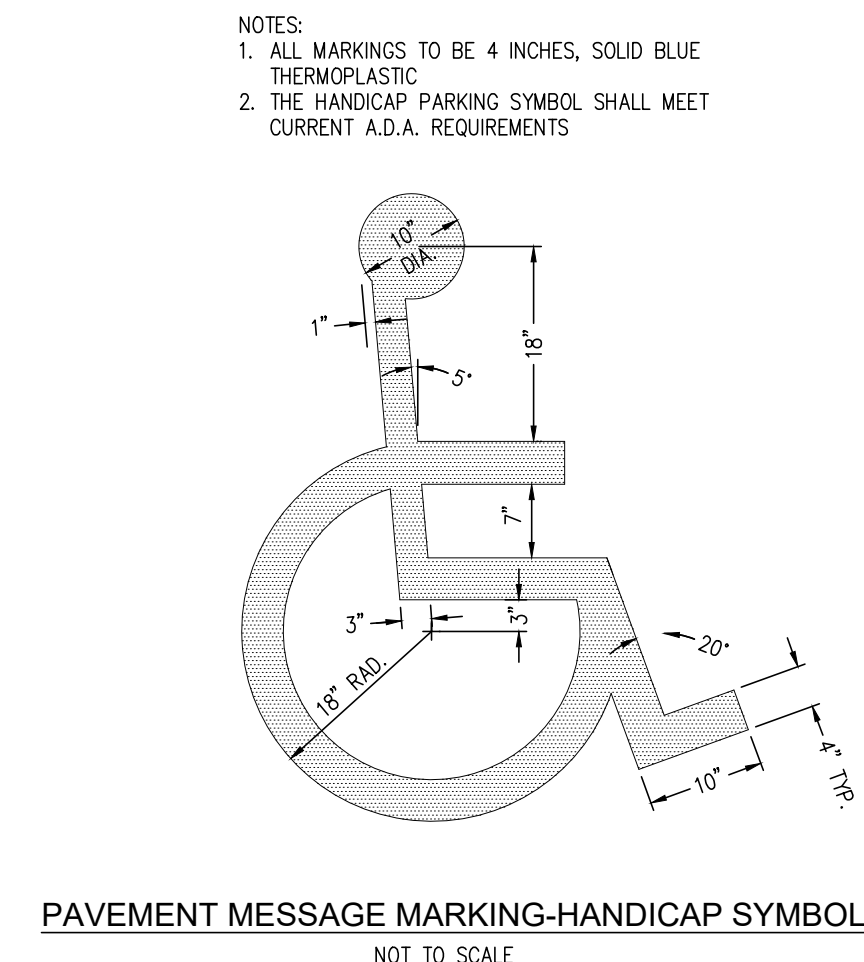
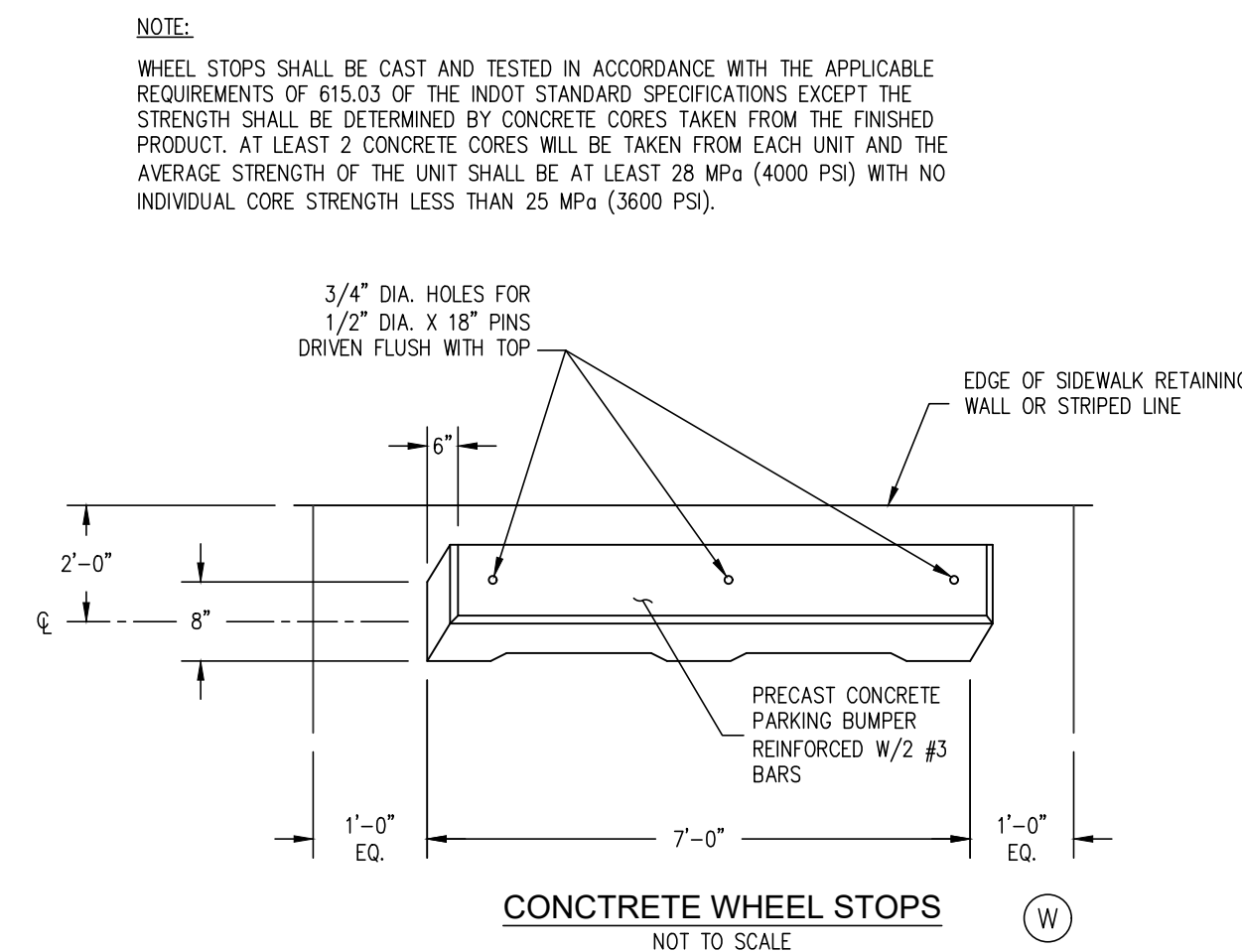
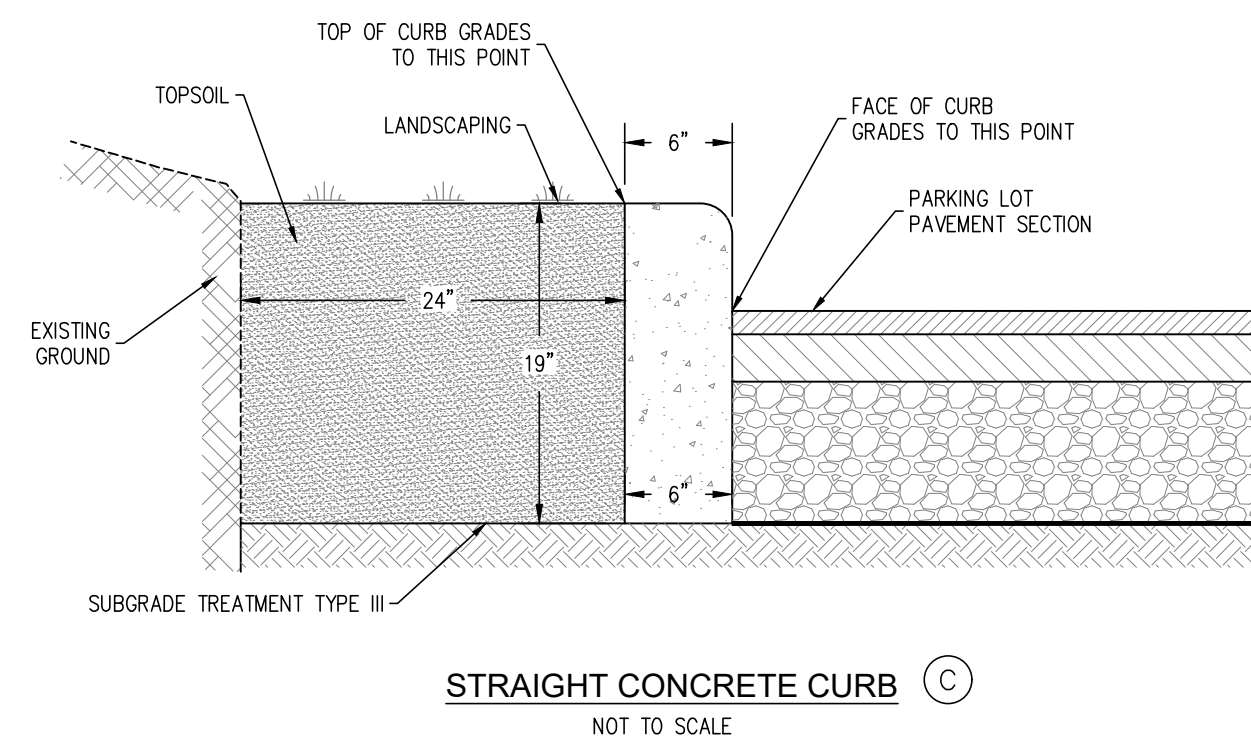
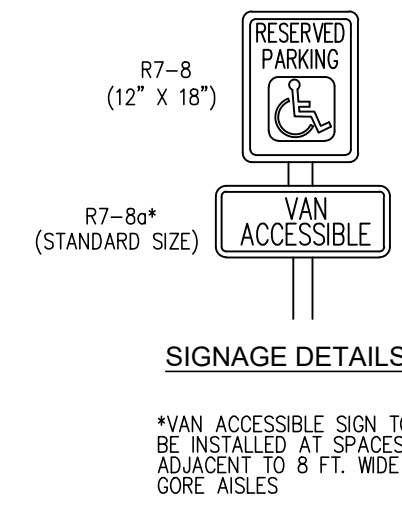
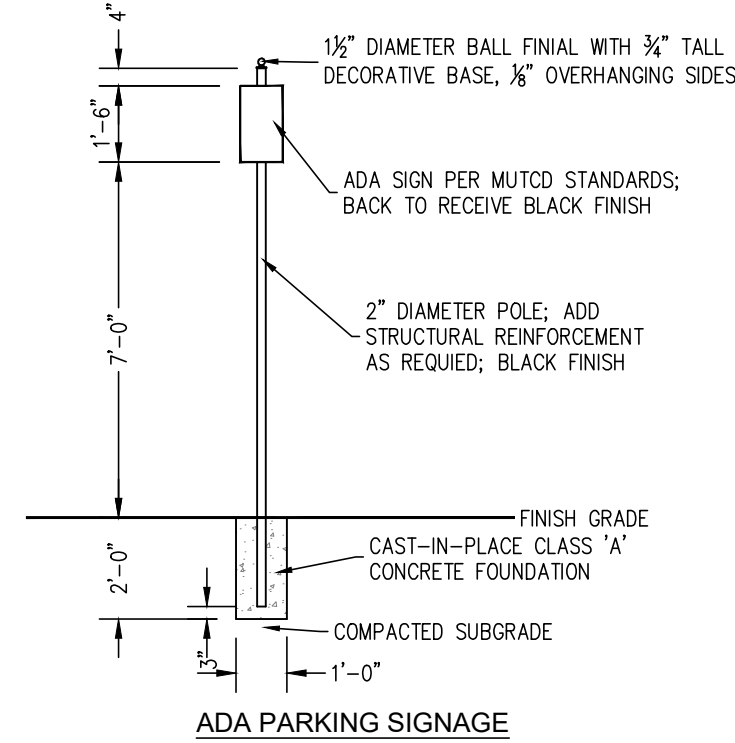
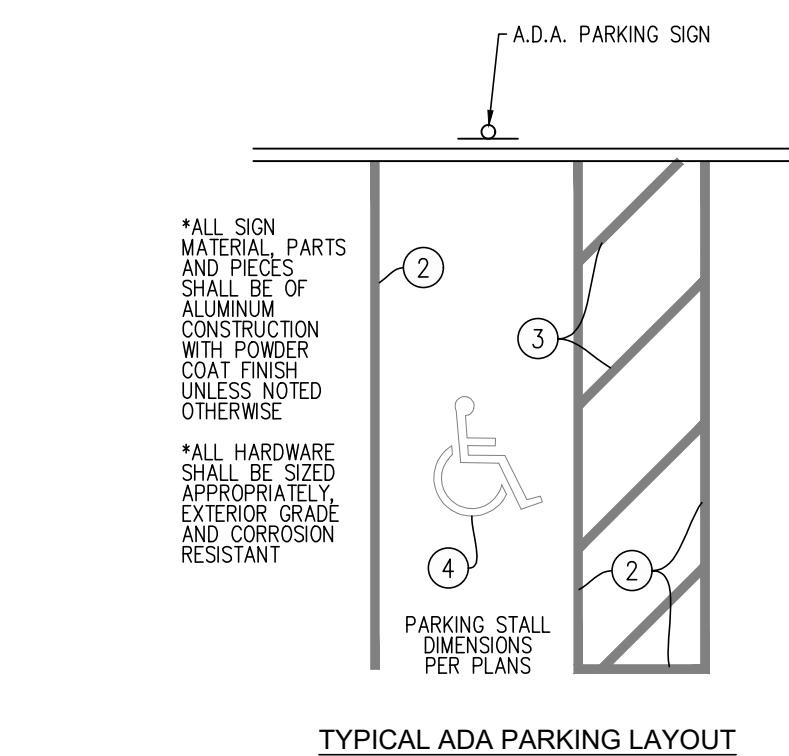
TRACT 2

THE EAST HALF OF THE SOUTH HALF, AND THE EAST HALF OF THE NORTH HALF OF SAID DESCRIBED 56 IN THE ORIGINAL PLAT OF THE TOWN, NOW CITY OF FRANKLIN, INDIANA.

TRACT 2:

A PART OF THE ORIGINAL PLAT TO THE CITY OF FRANKLIN, INDIANA, BEGINNING ON THE NORTH LINE OF MONROE STREET AT THE NORTH CORNER OF SAID LOT NO. 40; THENCE EAST ON AND ALONG THE NORTH LINE 144.00 FEET TO THE EAST LINE ON AND ALONG THE WEST LINE OF SAID LOT 144.00 FEET; THENCE NORTH 86 DEGREES 41 MINUTES 50 SECONDS EAST ON AND ALONG THE NORTH LINE OF SAID LOT 145.00 FEET; THENCE NORTH 00 DEGREES 18 MINUTES 10 SECONDS WEST 85.00 FEET; THENCE NORTH 78 DEGREES 25 MINUTES 30 SECONDS EAST 40.45 FEET; THENCE NORTH 00 DEGREES 02 MINUTES 00 SECONDS WEST 78.00 FEET; THENCE NORTH 86 DEGREES 48 MINUTES 00 SECONDS EAST 92.00 FEET TO THE WEST LINE OF LOT NUMBERED 42; THENCE NORTH 00 DEGREES 24 MINUTES 00 SECONDS WEST ALONG THE WEST LINE OF LOT NUMBERED 42 AND LOT NUMBERED 41 A DISTANCE OF 123.95 FEET TO THE NORTH LINE OF SAID LOT NUMBERED 41; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST ON AND ALONG THE NORTH LINE 144.00 FEET TO THE EAST LINE OF SAID LOT; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST ON AND ALONG SAID EAST LINE OF LOTS NUMBERED 41, 42 AND 56 A DISTANCE OF 227.73 FEET TO THE NORTHEAST CORNER OF LOT NUMBERED 56; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS WEST 72.00 FEET TO THE WEST LINE OF LOT NUMBERED 56; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS WEST 72.00 FEET TO THE SOUTH LINE OF SAID LOT NUMBERED 56; THENCE SOUTH 86 DEGREES 40 MINUTES 30 SECONDS WEST ON AND ALONG THE SOUTH LINE OF LOTS NUMBERED 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644,

[illegible]



PROJECT NAME: SOUTH MAIN STREET PARKING LOT

PROJECT NUMBER: 20180191-RB

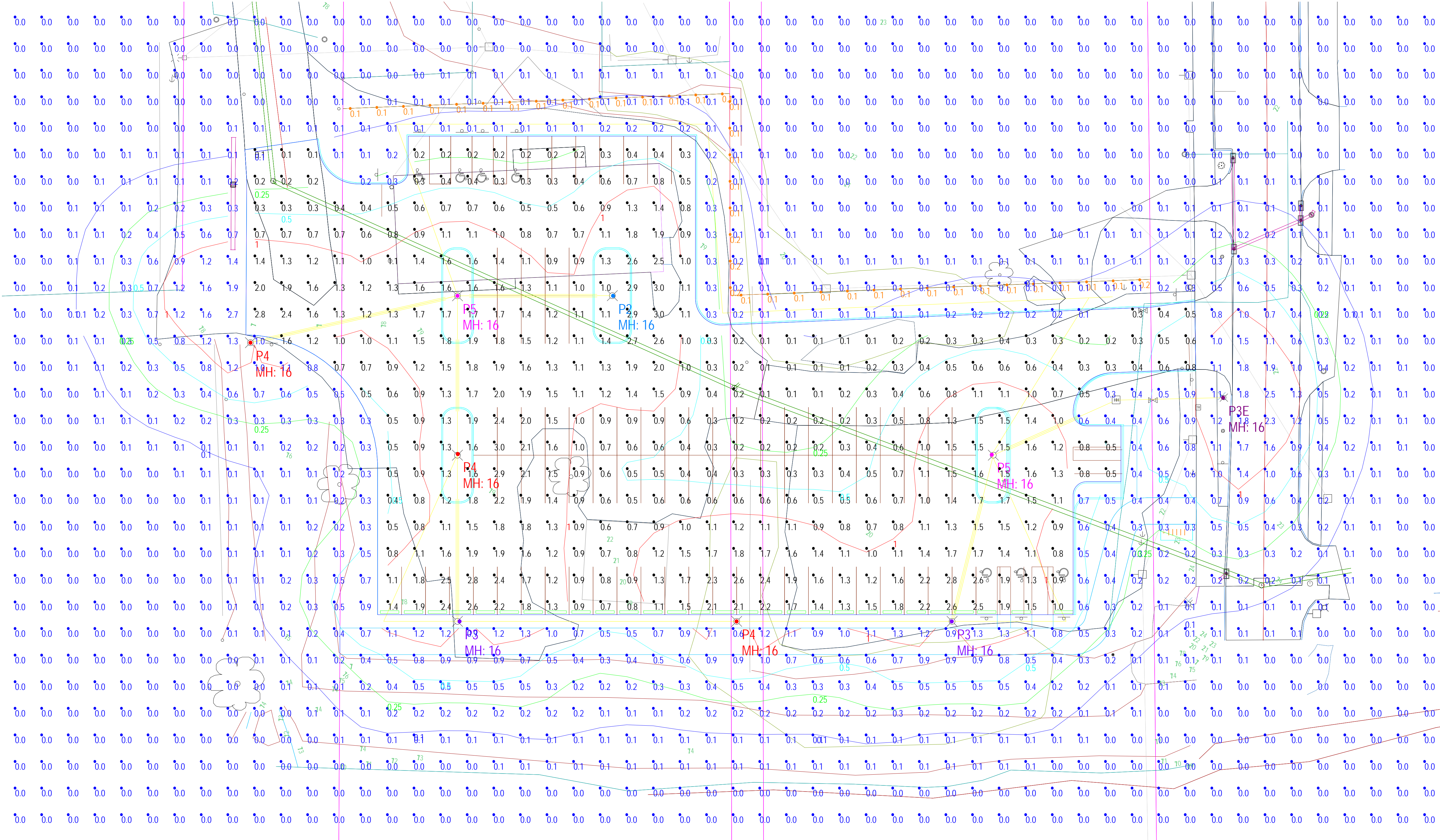
DATE: 8-1-18

PHOTOMETRIC PLAN DESIGNED BY ESL-SPECTRUM
WWW.ESL-SPECTRUM.COM
PHONE: 317.951.2300

ESL-Spectrum's services are for estimation purposes only, and are not warranties.
Final design and illumination levels must be determined and specified by an electrical engineer.
Field results may differ from computer predictions because of many uncontrollable factors and adverse test conditions such as:
line voltage variations, lamp performance, product manufacturing tolerances, and jobsite conditions.






THE FIXTURE TYPE(S) AND LAMPING(S) SPECIFIED ON THIS LAYOUT MUST BE USED IN ORDER TO MEET THE EXACT CRITERIA AND PERFORMANCE DATA SHOWN.





SITE LIGHTING - PLAN VIEW
Scale: 1 inch= 20 Ft.

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Luminaire Schedule							
Project: 20180191-RB SOUTH MAIN STREET PARKING LOT - LIGHTING							
Symbol	Qty	Label	Arrangement	Lum. Watts	Lum. Lumens	LLF	Description
	1	P2	SINGLE	93.7	9576	0.850	A850SRLED-6ARC45T2-MDL03-IHSS - 16' POLE
	2	P3	SINGLE	93.4	9332	0.850	A850SRLED-6ARC45T3-MDL03-IHSS - 16' POLE
	1	P3E	SINGLE	92.8	8982	0.850	A850SRLED-6ARC45T3-MDL03 - 16' POLE
	3	P4	SINGLE	93.8	9644	0.850	A850SRLED-6ARC45T4-MDL03-IHSS - 16' POLE
	2	P5	SINGLE	94.8	9480	0.850	A850SRLED-6ARC45T5-MDL03 - 16' POLE

CALCULATIONS ARE MAINTAINED HORIZONTAL ILLUMINANCE FIGURES IN FOOT-CANDLES
POINTS SHOWN ARE AT GRADE
FIXTURES ARE MOUNTED 16' A.F.G.

Calculation Summary						
Project: 20180191-RB SOUTH MAIN STREET PARKING LOT - LIGHTING						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
NORTH PROPERTY LINE @ GRADE	ILLuminance	Fc	0.11	0.2	0.1	1.10
PERIMETER @ GRADE	ILLuminance	Fc	0.16	2.7	0.0	N.A.
SITE @ GRADE	ILLuminance	Fc	1.07	3.0	0.1	10.70

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