# FRANKLIN MEDICAL OFFICE BUILDING

# STATEMENT of USE

FRANKLIN MEDICAL OFFICE BUILDING (MOB) is a proposed new 23500 square foot medical building with associated parking and utilities.

PROPOSED STARTING & COMPLETION of CONSTRUCTION

ESTIMATED START DATE: 10/2019 ESTIMATED COMPLETION DATE: 10/2020

# FRANKLIN, JOHNSON COUNTY, INDIANA

# CONSTRUCTION PLANS

SITE ADDRESS: 1143 E. STATE ROAD 144

FRANKLIN, IN 46237

A part of the Northwest Quarter of the Southwest Quarter of Section 15, and a part of the North Half of the Southeast Quarter of Section 16, all in Township 12 North, Range 4 East of the Second Principal Meridian, Johnson County, Indiana, being more particularly described as follows:

LEGAL DESCRIPTION

degrees 53 minutes 48 seconds West (Basis of bearings are Indiana State Plane Coordinate System, IN East) along the South line of said North Half Quarter Section 200.00 feet; thence North 00 degrees 14 minutes 39 seconds West parallel to the East line of said North Half Quarter Section 548.43 feet to the Southern Right—of—Way of State Road 144; thence South 68 degrees 25 minutes 58 seconds East along said Southern Right—of—Way 291.02 feet to the Northwest corner of the land of the City of Franklin, Indiana, as recorded in Instrument Number 2019-007992, in the Office of the Johnson County Recorder; thence the next two (2) courses being along the Western lines of said City of Franklin; (1) South 48 degrees 59 minutes 34 seconds East 90.13 feet; (2) South 18 degrees 45 minutes 59 seconds East 76.18 feet to the Western Right—of—Way of State Road 44; thence the next three (3) courses being along said Western Right—of—Way; (1) South 21 degrees 34 minutes 02 seconds West 13.01 feet to a point of curvature of a curve concave Westerly with a Radius Point that bears North 68 degrees 25 minutes 58 seconds West 1577.02 feet; (2) Southerly along said curve through a Central Angle of 11 degrees 03 minutes 35 seconds, a distance of 304.41 feet to a point of Non-Tangency; (3) South 32 degrees 57 minutes 11 seconds West 32.36 feet to the Point of Beginning, containing 3.38 acres, more or less.

Subject to all Right-of-Ways, easements, and restrictions.



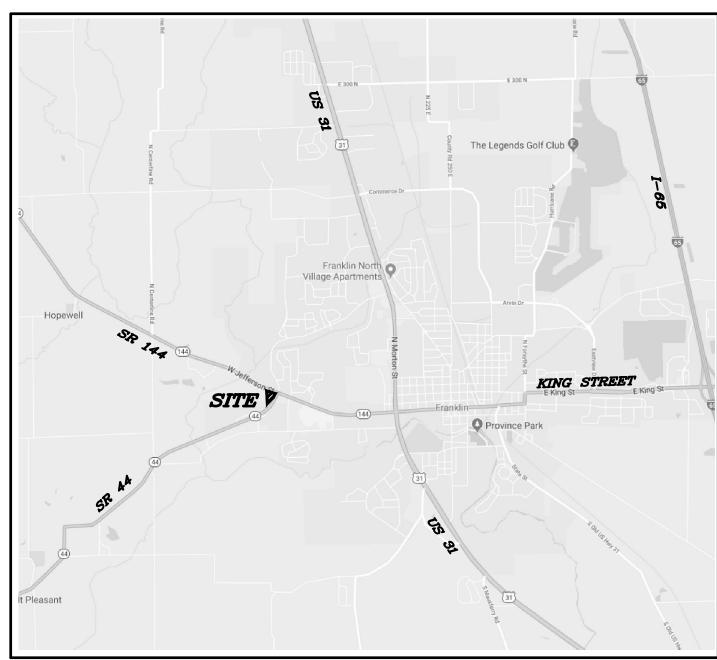
FRANKLIN INVESTORS, LLC 10201 N. ILLINOIS STREET, SUITE 400 INDIANAPOLIS, IN 46290

**DEVELOPER** HOKANSON COMPANIES, INC.

10201 N. ILLINOIS STREET, SUITE 400 INDIANAPOLIS, IN 46290 CONTACT: BOYD ZOCCOLA BRZ@hokansoninc.com

**ARCHITECT** COOLER DESIGN, INC. 9135 NORTH MERIDIAN STREET, STE. A1 INDIANAPOLIS, IN 46260 **CONTACT: BILL COOLER** bill@coolerdesign.com

# VICINITY MAP

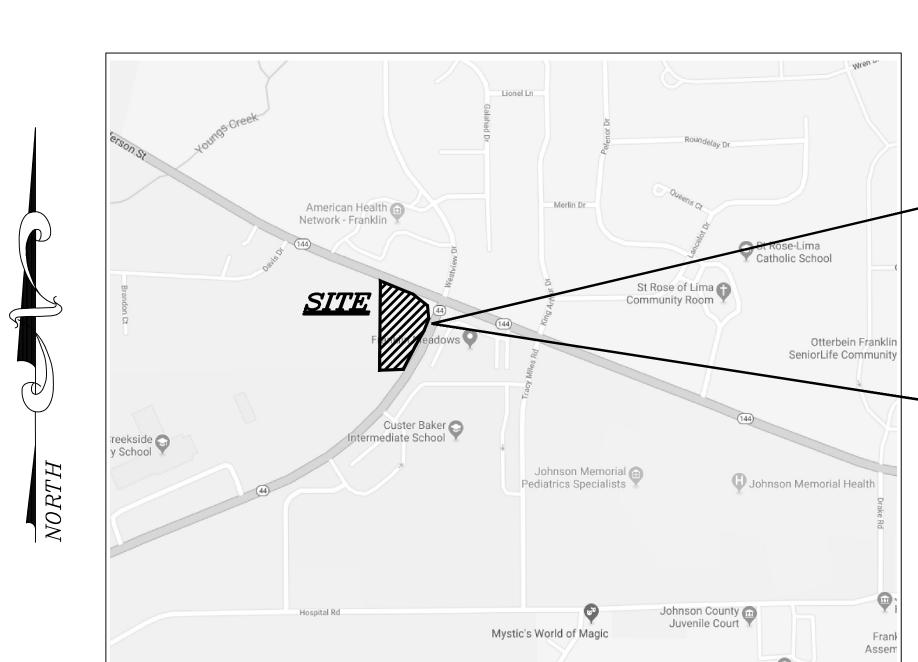


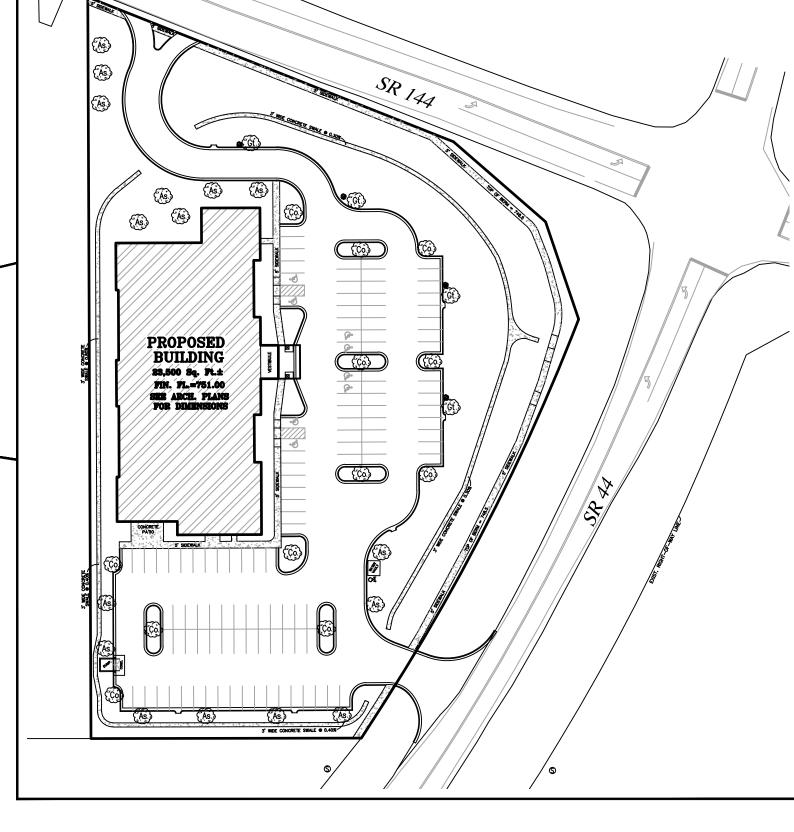
# PROPOSED SITE

FRANKLIN MOB SITE TOTAL ACREAGE: 3.38  $SITE \ ZONING = MXN$ 

ADJACENT ZONING

NORTH = MXNSOUTH = INEAST = INWEST = MXN





# **CONTACTS**

**ELECTRIC** 

Duke Energy

Franklin, IN 46131

(317) 736-2014

(812) 330-4010

pcloyd@vectren.com

Perry Cloyd

TELEPHONE

2515 North Morton Street

Vectren Energy Delivery

Columbus, IN 47203-1829

240 North Meridian Street

Indianapolis, IN 46204

(317) 252-5072

Joshua Hewitt jh6813@att.com

CABLE TV

1600 W. Vernal Pike

(812) 822-3267

Bloomington, IN 47404

steve\_mcartor@cable.comcast.com

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**PLANNING** City of Franklin 70 East Monroe Street Franklin, IN 46131 (317) 736-3631 Ext. 1252 Joanna Myers

**ENGINEERING** City of Franklin 70 East Monroe Street Franklin, IN 46131 (877) 736-3631 Ext. 1260

mrichards@franklin.in.gov

jm yers@franklin.in.gov

#### STORMWATER City of Franklin

Mark Richards

796 South State Street Franklin, IN 46131 (888) 736-3640 Tyler Urban turban@franklin.in.gov

## SANITARY SEWER City of Franklin 796 South State Street

Franklin, IN 46131 (888) 736-3640 Sally K. Brown sbrown@franklin.in.gov

## WATER Indiana American Water Company 555 East County Line Road Greenwood, IN 46143

FIRE DEPARTMENT City of Franklin Fire Department 1800 Thornburg Lane Franklin, IN 46131 (317) 736-3650 (317) 885-2426 Dan McElyea Tracy White tracý.s.white@amwater.com dmcelyea@franklin.in.gov

# INDEX OF DRAWINGS

SHEET NO.	SHEET TITLE
C.100	TITLE SHEET
C.200	EXISTING CONDITIONS
C.300	DEVELOPMENT PLAN
C. 400	DIMENSIONAL & UTILITY PLAN
C.500	STORM & SANITARY SEWER PLAN
C.600-602	EROSION CONTROL PLANS & DETAILS
C. 700	LANDSCAPE PLAN
<i>C.800–801</i>	GENERAL DETAILS & SPECIFICATIONS
C.900	FUTURE ROUND-A-BOUT PLAN

**UTILITY STATEMENT:** 

THE EXISTING UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM VISIBLE FIELD EVIDENCE AND/OR

COMPRISES ALL SUCH UTILITIES IN THE AREA, IN SERVICE OR ABANDONED. (M) FURTHER STATES THAT THE

UNDERGROUND UTILITY DATA SHOWN DOES NOT INDICATE PRECISE LOCATIONS

EXISTING DRAWINGS. MAURER SURVEYING, INC. (M) MAKES NO GUARANTEES THAT THE UTILITY INFORMATION SHOWN

# *REVISIONS*

# SHEET NUMBER



Maurer Surveying, Inc.

4800 W. Smith Valley Road, Ste. P, Greenwood, Indiana 46142 Office - 317-881-3898 www.MaurerSurveying.com

LAND SURVEYING, LAND DEVELOPMENT & BUILDERS SERVICES



CERTIFIED BY:

paul@maurersurveying.com

PREPARED BY:

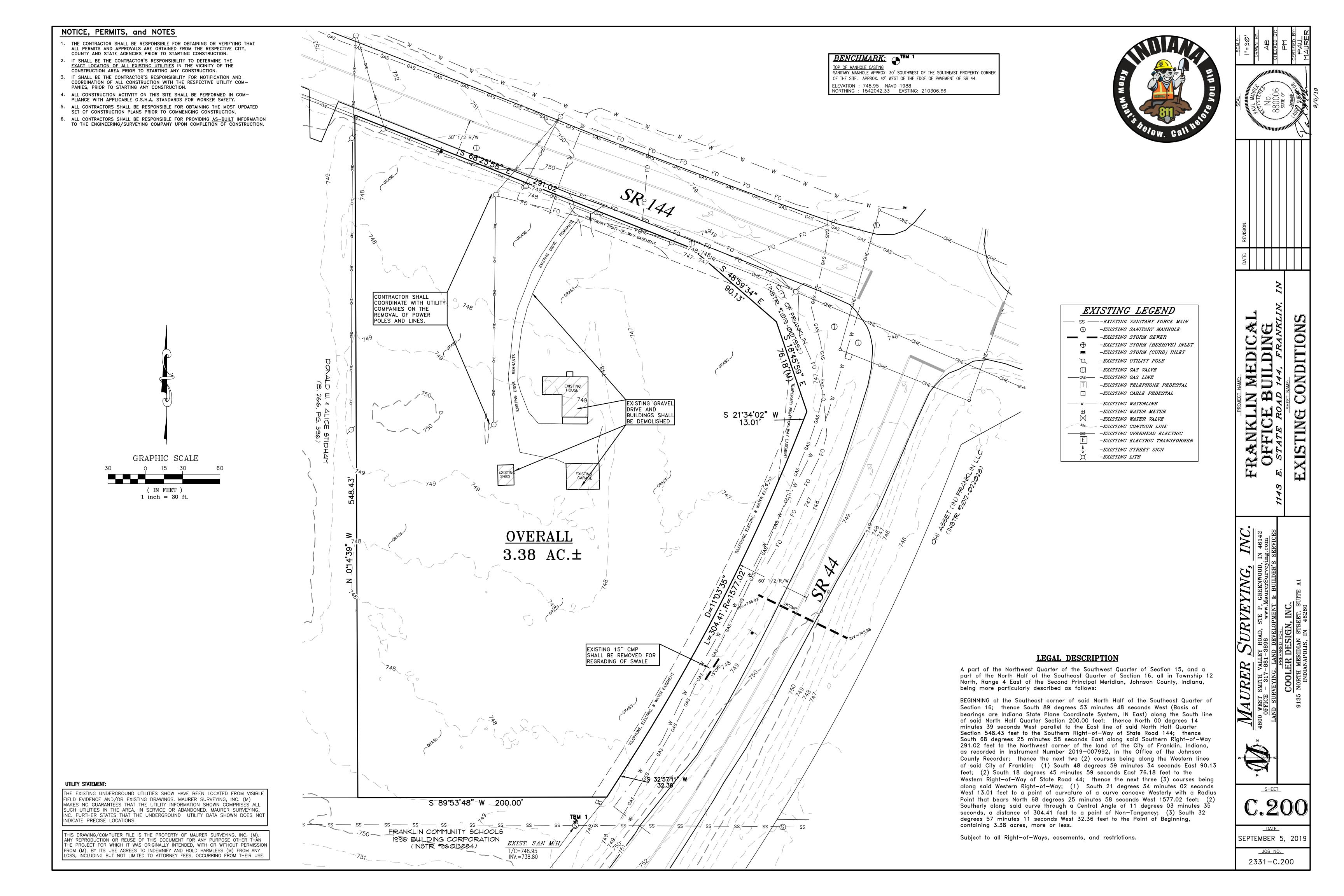
9/5/19 Paul Maurer, P.L.S. #880006

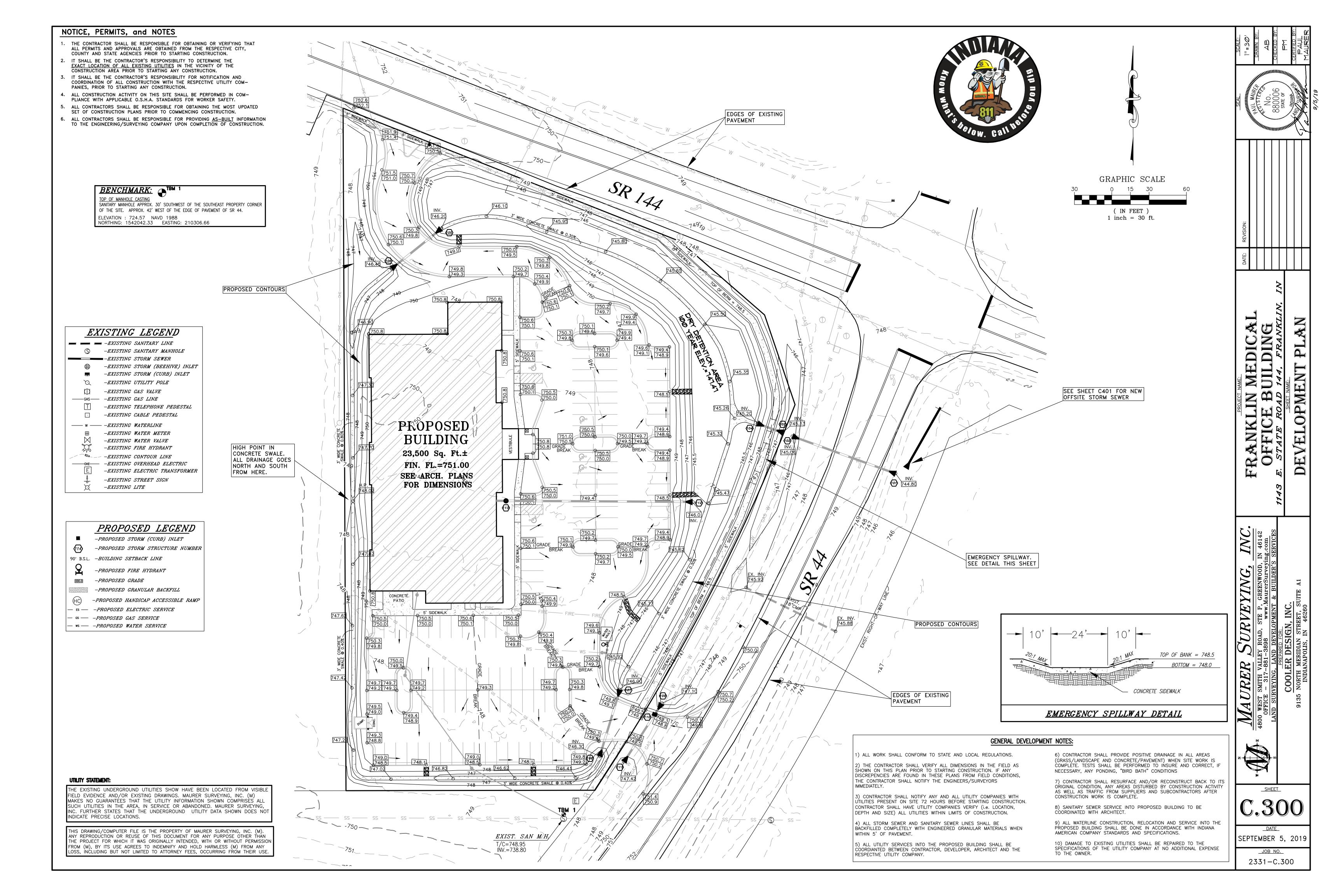
C.100

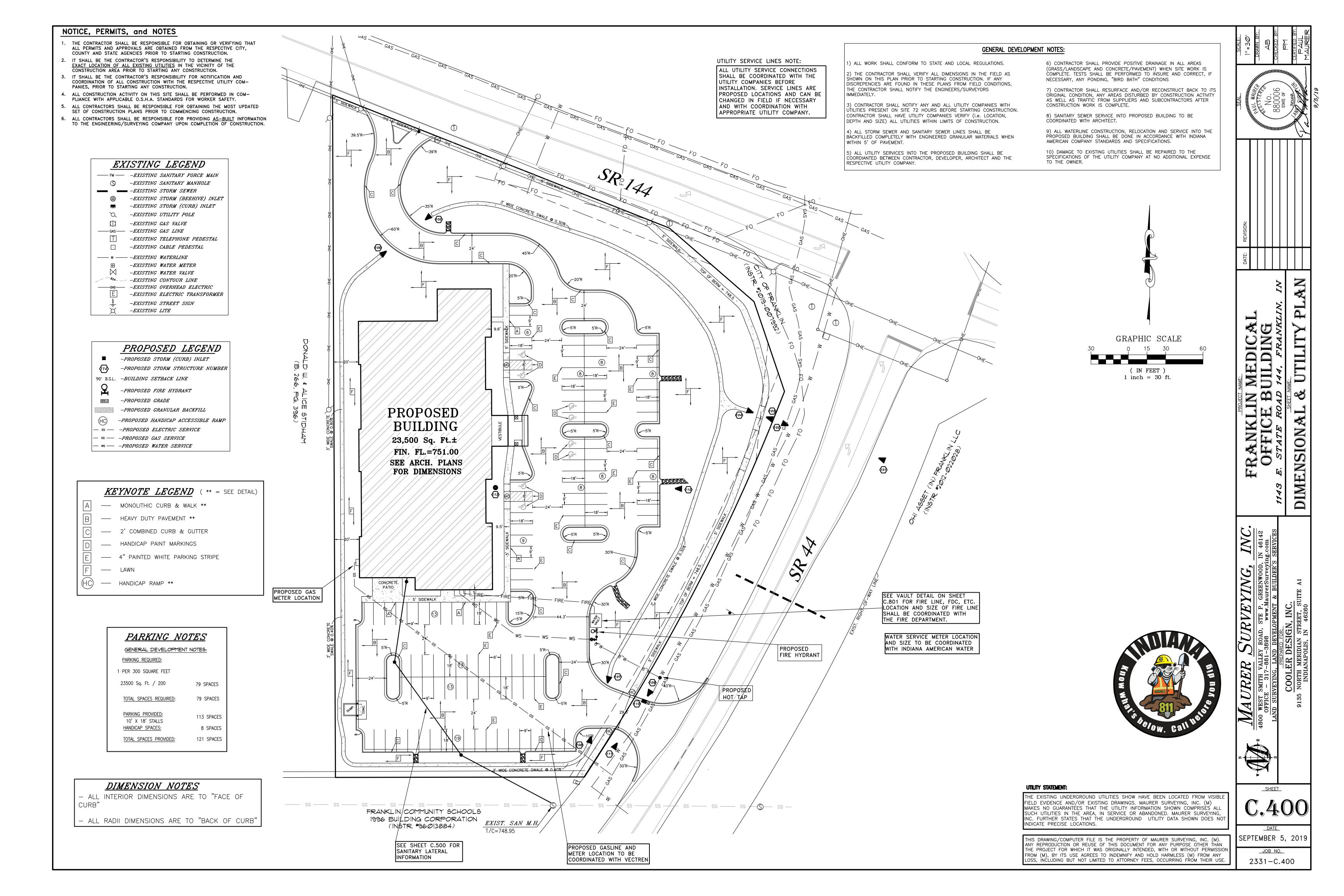
SEPTEMBER 5, 2019

2331-C.100

JOB NO.







# NOTICE, PERMITS, and NOTES

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
- 2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING ANY CONSTRUCTION.
- . IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR NOTIFICATION AND COORDINATION OF ALL CONSTRUCTION WITH THE RESPECTIVE UTILITY COM-PANIES, PRIOR TO STARTING ANY CONSTRUCTION.
- 4. ALL CONSTRUCTION ACTIVITY ON THIS SITE SHALL BE PERFORMED IN COM-PLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
- 5. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING THE MOST UPDATED SET OF CONSTRUCTION PLANS PRIOR TO COMMENCING CONSTRUCTION.
- 6. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT INFORMATION TO THE ENGINEERING/SURVEYING COMPANY UPON COMPLETION OF CONSTRUCTION.

# UTILITY STATEMENT:

HE EXISTING UNDERGROUND UTILITIES SHOW HAVE BEEN LOCATED FROM VISIBLE FIELD EVIDENCE AND/OR EXISTING DRAWINGS. MAURER SURVEYING, INC. (M) MAKES NO GUARANTÉES THAT THE UTILITY INFORMATION SHOWN COMPRISES ALL SUCH UTILITIES IN THE AREA, IN SERVICE OR ABANDONED. MAURER SURVEYING, INC. FURTHER STATES THAT THE UNDERGROUND. UTILITY DATA SHOWN DOES NO NDICATE PRECISE LOCATIONS.

THIS DRAWING/COMPUTER FILE IS THE PROPERTY OF MAURER SURVEYING, INC. (M). ANY REPRODUCTION OR REUSE OF THIS DOCUMENT FOR ANY PURPOSE OTHER THÂN THE PROJECT FOR WHICH IT WAS ORIGINALLY INTENDED, WITH OR WITHOUT PERMISSION FROM (M), BY ITS USE AGREES TO INDEMNIFY AND HOLD HARMLESS (M) FROM ANY LOSS, INCLUDING BUT NOT LIMITED TO ATTORNEY FEES, OCCURRING FROM THEIR USE

# EXISTING LEGEND ■ −EXISTING SANITARY LINE (S) -EXISTING SANITARY MANHOLE -EXISTING STORM SEWER -EXISTING STORM (BEEHIVE) INLET -EXISTING STORM (CURB) INLET -EXISTING UTILITY POLE -EXISTING GAS VALVE -EXISTING TELEPHONE PEDESTAL -EXISTING CABLE PEDESTAL ---- w ----- -EXISTING WATERLINE -EXISTING WATER METER -EXISTING WATER VALVE -EXISTING FIRE HYDRANT ~ \_\_\_\_ -EXISTING CONTOUR LINE -----OHE---- -EXISTING OVERHEAD ELECTRIC -EXISTING ELECTRIC TRANSFORMER -EXISTING STREET SIGN

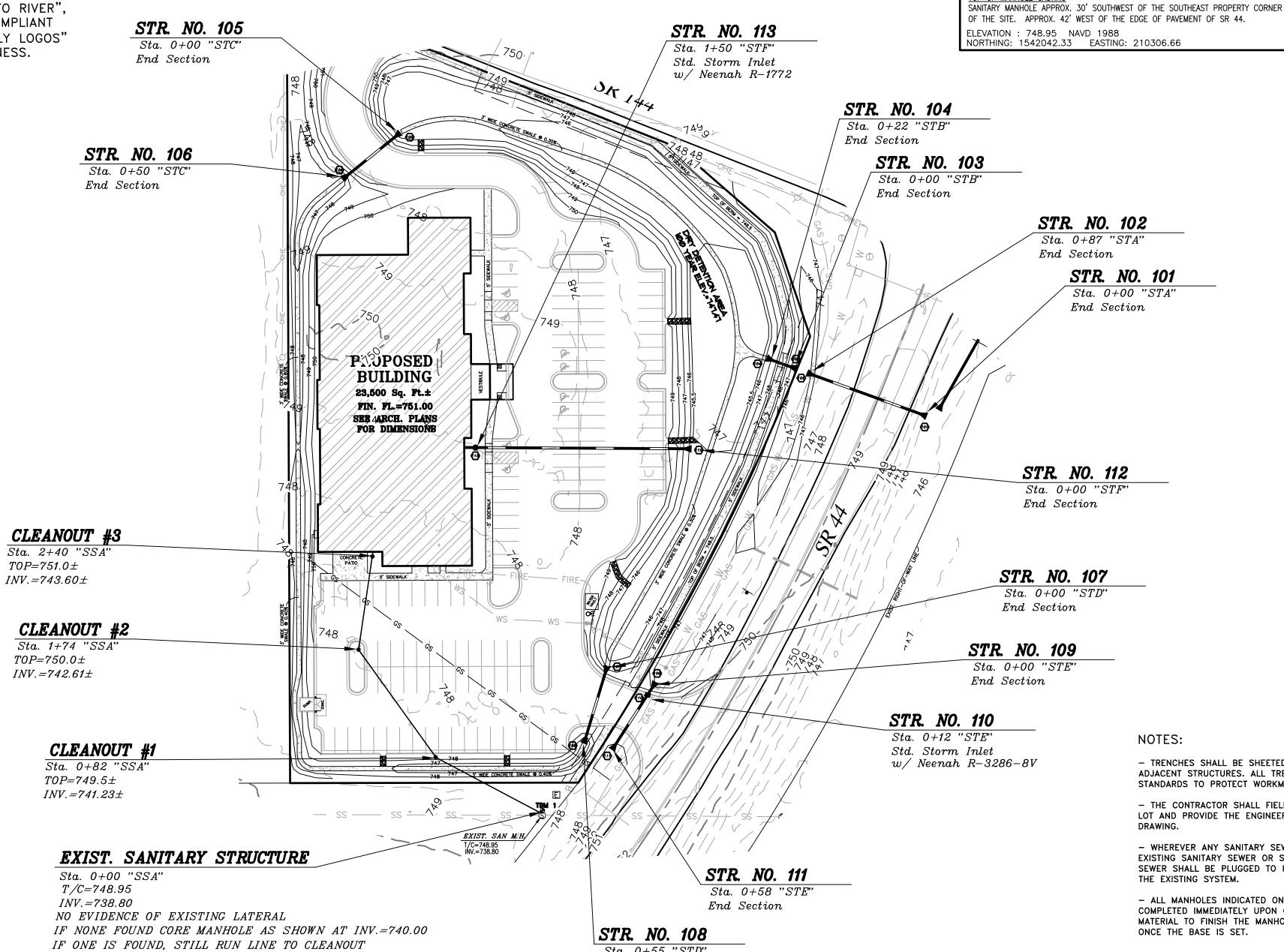
# PROPOSED LEGEND -PROPOSED STORM (CURB) INLET -PROPOSED STORM STRUCTURE NUMBER -PROPOSED FIRE HYDRANT -PROPOSED GRADE -PROPOSED GRANULAR BACKFILL -PROPOSED HANDICAP ACCESSIBLE RAMP — ES — *-PROPOSED ELECTRIC SERVICE*

— ws — *-PROPOSED WATER SERVICE* 

-EXISTING LITE

# NOTE FOR CASTINGS

ALL INLET CASTINGS SHALL BE STAMPED "DUMP NO WASTE, DRAINS TO RIVER". AND BE NPDES PHASE II COMPLIANT WITH "ENVIRONMENT FRIENDLY LOGOS" FOR WATER QUALITY AWARENESS.



BENCHMARK: \_\_\_\_TBM

NOTES:

STANDARDS TO PROTECT WORKMEN.

ONCE THE BASE IS SET.

GRAPHIC SCALE

( IN FEET )

1 inch = 30 ft

- TRENCHES SHALL BE SHEETED AND BRACED AS NECESSARY TO PROTECT WORKMEN AND

ADJACENT STRUCTURES. ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH O.S.H.A.

- THE CONTRACTOR SHALL FIELD LOCATE AND MEASURE ALL SEWER LATERALS ON EACH LOT AND PROVIDE THE ENGINEER WITH MEASUREMENTS AND LOCATIONS FOR AS-BUILT

- WHEREVER ANY SANITARY SEWERS CONSTRUCTED IN THIS SECTION CONNECT TO ANY

EXISTING SANITARY SEWER OR SANITARY MANHOLE, THE EXISTING MANHOLE HOLE OR

SEWER SHALL BE PLUGGED TO PREVENT ANY, DEBRIS OR SURFACE WATER FROM ENTERING

- ALL MANHOLES INDICATED ON THE CONSTRUCTION PLANS FOR THIS SECTION ARE TO BE

MATERIAL TO FINISH THE MANHOLE MUST BE ON SITE READY TO FINISH THE STRUCTURE

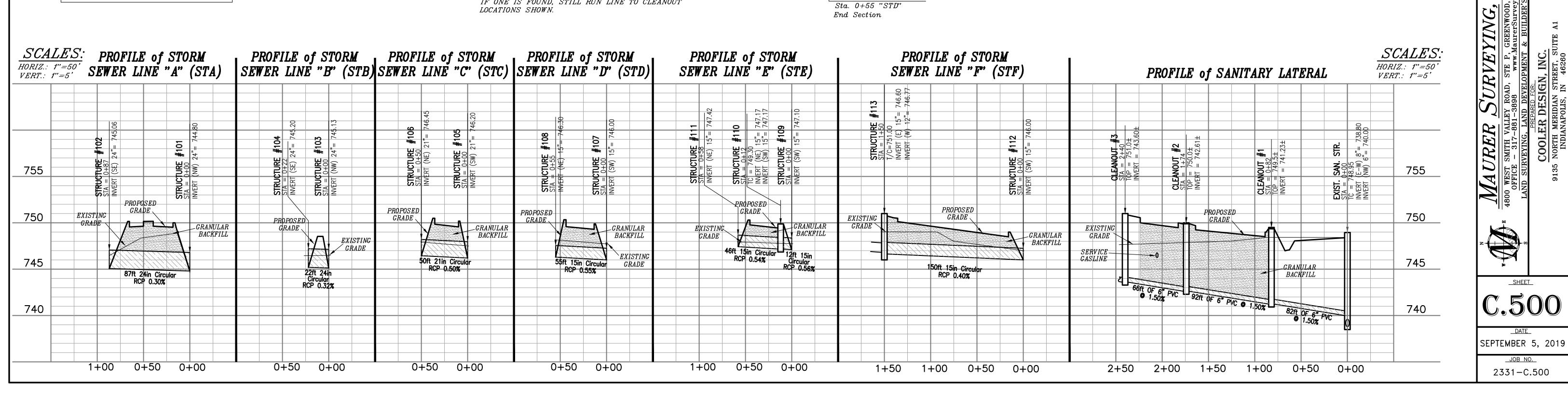
COMPLETED IMMEDIATELY UPON COMMENCING CONSTRUCTION OF THE MANHOLE. ALL

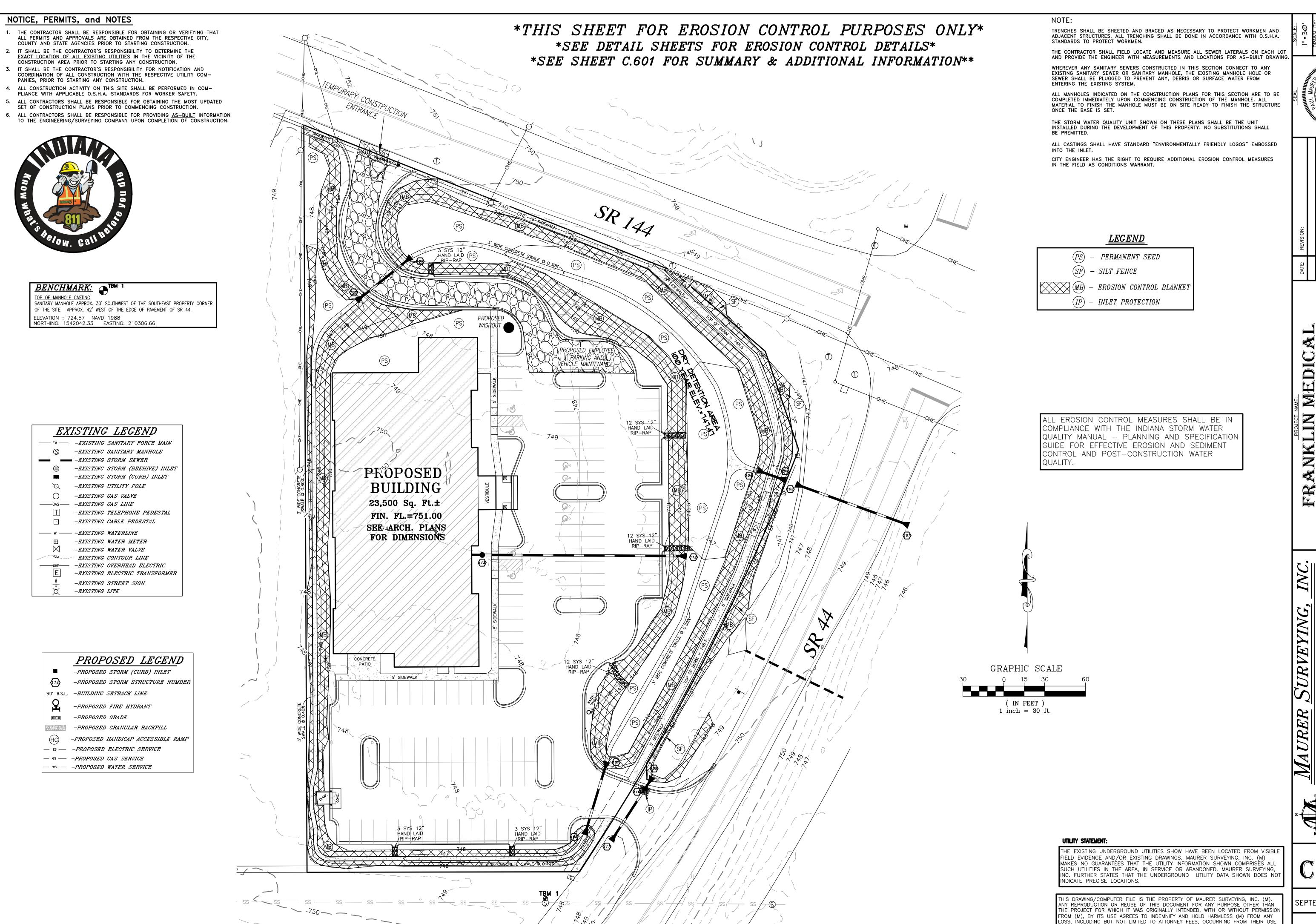
MEDICALINATION

STORM

<u>JOB NO.</u>

TOP OF MANHOLE CASTING





SEPTEMBER 5, 2019

JOB NO. 2331-C.600

### PROJECT INDEX

# Assessment of Construction Plan Elements (Section A)

-	RULE 5 EROSION CONTROL PLAN INDEX								
	ELEMENT	SHEET	ELEMENT	SHEET	ELEMENT	SHEET	ELEMENT	SHEET	
	A1	C.601	A12	N/A	B1	C.601	B12	C.600&601	
	A2	ATTACHED	A13	N/A	B2	C.601	B13	C.601	
	А3	C.601	A14	C.601	В3	C.600	B14	C.601	
	A4	C.100	A15	C.601	B4	C.600	B15	C.601&602	
	A5	C.100	A16	C.601	B5	C.601			
	A6	C.400	A17	C.200	В6	C.600&602	C1	C.601	
	A7	C.601	A18	C.601	В7	C.600	C2	C.600&601	
	A8	N/A	A19	C.700	B8	C.600	C3	C.601	
	A9	C.601	A20	N/A	B9	N/A	C4	C.601	
	A10	C.601	A21	N/A	B10	C.601	C5	C.601	
	A11	C.601	A23	C.300	B11	N/A			

- A2 11 by 17 inch Site Plan
- Submitted to the City of Franklin with application for a Commercial Site Plan.
- A3 Narrative describing the nature and purpose of the project - FRANKLIN MEDICAL OFFICE BUILDING is a 3.38 Acre Commercial Use Parcel. This project will entail a new 23,500 square foot Medical building, parking, and associated utilities.
- A4 Vicinity map showing project location - A Vicinity Map is shown on the Title Sheet for this set of plans.
- A5 Legal Description of the Project Site - The legal description for this site is shown on the Title Page
  - (Sheet # C.100), and this sheet. LATITUDE: N39°28'56" LONGITUDE: W86°05'02"
- A6 Location of all lots and proposed site improvements (roads, utilities, structures, etc.) - The location of all proposed site improvements are as shown on the Dimensional
- Plan, Sheet C.400 of this set of plans. A7 - Hydrologic unit code (14 digit)
- The Hydrologic unit code for this site is 05120204090040
- A8 Notation of any State or Federal water quality permits. - NONE REQUIRED.
- A9 Specific points where stormwater discharge will leave the site
- The stormwater runoff from this proposed site will sheet flow into a proposed dry detention pond which will outlet to the east into a proposed culvert under SR 44. The runoff will then flow through a road side ditch to the east which flows into a ditch flowing south ultimately outletting into Youngs
- A10 Location and name of all wetlands, lakes, and watercourses on and adjacent to the site
- This proposed development lies within the Youngs Creek Watershed. No wetlands or Lakes are on site or adjacent to the site.
- A11 Identification of all receiving waters
- This site lies within the Youngs Creek Watershed.
- A12 Identification of potential discharges to ground water (abandoned wells, sinkholes, etc.)
  - No discharge to ground water will occur. Runoff from the site will drain to a proposed dry detention area with the overflow running into Youngs Creek.
- A13 100-year floodplains, floodways, and floodway fringes
- A14 Pre-construction and post construction estimate of Peak
- Discharge (10-year storm event) ONSITE & OFFSITE
- The pre-development peak discharge for the 10-year storm event for the overall site = 6.226 cfs - The post-development peak discharge for the 10-year storm event for the overall site = 3.283 cfs A15 — Adjacent land use, including upstream watershed
- Commercial lot to the North, School to the South, Single Family Residential to the West, and assisted care facility to the east
- A16 Locations and approximate boundaries of all disturbed areas (Construction Limits)
- See detail on this sheet, which depicts the total disturbed area for the site A17 - Identification of existing vegetation cover
- The existing vegetation for this site is pavement and grass.
- A18 Soils map including soil descriptions and limitations Per Indiana Erosion Control Manual - See Soils Map this sheet
- Br = Brookston Silty Clay Loam, 0 to 2 percent slopes. - CrA = Crosby Silt Loam, 0 to 2 percent slopes.
- A19 Locations, size and dimensions of proposed stormwater systems (e.g pipes, swales and channels) of all stormwater systems are as shown on sheet C.500 of these construction plans.
- A20 Plans for any off-site construction activities associated with this project (sewer/water tie-ins) - Sanitary Lateral Connection along South line. Grading and storm sewer installation in SR 44 Right-of-way
- A21 Locations of proposed soil stockpiles and/or borrow/disposal areas - No Temporary stockpile areas are anticipated for this project, The contractor shall be
- responsible for removing all excess from project site.
- A22 Existing site topography at an interval appropriate to indicate drainage patterns - See the Existing Site Conditions sheet being sheet C.200 of these plans
- A23 Proposed final topography at an interval appropriate to indicate drainage patterns - See the Development Plan being sheet C.300 of these plans
- Assessment of Stormwater Pollution Prevention Plan (Section B)
- B1 Description of Potential pollutant sources associated with construction activities - The potential pollutant sources associated with construction activities for this site would be material used for construction of the site, fuel storage areas, fueling locations,
- sediment / exposed soils, leaking vehicles and equuipment, which could be exposed to the soils within the development. The contractor is urged to protect the site and maintain a single storage and fueling area on site. Although fuel leakage will happen, the contractor is urged to maintain this area so that pollutants to the soil is kept to a minimum.
- B2 Sequence describing stormwater quality measure implementation relative to land disturbing
- Install perimeter sediment control measures (e.g. silt fence) Silt fence and appropriate erosion control measures shall be installed prior to any
- Silt fence to be "NUTEC 3 NWS-6" or approved equal.
- Install stone for construction entrance and employee parking and vehicle maintenance area. - As areas are brought of rough grade, permanent seed fertilize & mulch - Construct basin and stabilize side slopes with permanent seed and mulch or blanket
- Protect storm inlets immediately after installation - All installed erosion and sediment control practices must be monitored at least
- weekly and again after each rain event. Any noted deficiencies must be corrected
- Any area of disturbed soil, which will remain inactive for 15 days or more must be
- seeded with the appropriate temporary vegetative covers. (see temp. seeding dates)

   The contractor/developer has full responsibility of inspecting the erosion control measures on a daily basis. At a minimum, practices need to be inspected weekly, after each storm event, and daily during prolonged storm events. Inspection of practices during a storm event is advantageous because the inspector can easily identify where measures need to be repaired or replaced. Failing practices should be repaired or
- Builders are to coordinate staging of erosion control as per detail labeled "Construction Sequence of Building Site Erosion Control Practices"
- Developers and Contractors must meet the design criteria, standards and specifications outlined in the Indiana Handbook for Erosion Control in Developing Areas.
- Developer to place permanent seed on all side and rear easement areas and temporary seed in all other areas, at appropriate time during construction
- Marion County and the State has the right to require additional erosion control measures in the field as conditions warrant.
- See Details sheets of these plans for installation, Application and methods for erosion control devices and practices. - All slopes exposed during construction shall have SC-150 Erosion Control Blankets
- B3 Stable construction entrance locations and specifications (at all points of ingress and egress) - Construction entrance are proposed as shown on sheet C.600 B4 - Sediment control measures for sheet flow greas
- Silt fence is used to contain the sheet flow on the site and stone bags are used to the storm inlets. As areas are completed they will be seeded.
- B5 Sediment control measures for concentrated flow areas
- There are no concentrated flow areas for this site. The site is all sheet draining.

replaced immediately.

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# \*THIS SHEET FOR EROSION CONTROL PURPOSES ONLY\* \*SEE DETAIL SHEET C.602 FOR EROSION CONTROL DETAILS\*

- B6 Storm sewer inlet protection measures, locations and specifications
- Inlet protection is shown on sheet C.600. See Detail on sheet C.602. B7 - Runoff control measures (e.g. diversions, rock check dams, slope drains, etc.) - Sediment in run-off water shall be trapped by the use of such methods as debris
- basins and silt traps until the disturbed area is stabilized. B8 - Storm water outlet protection specifications

LIMITS OF CONSTRUCTION

LIMITS OF CONSTRUCTION

- B9 Grade stabilization structures, locations and specifications
- These items are not proposed within this development B10 — Location, dimensions, specifications, and construction details of each stormwater quality measure - Stormwater quality is provided for the this site by an Aqua Swirl AS-3 located at the Northeast
- B11 Temporary surface stabilization methods appropriate for each season (including sequencing) - No Temporary seeding is needed.
- B12 Permanent surface stabilization specifications (include sequencing) – Permanent surface stabilization is as shown on sheet C.600
- B13 Material handling and spill prevention plan
  - The potential pollutant sources associated with construction activities for this site would be material used for construction of the site, fuel storage areas, fueling locations, leaking vehicles and equipment, which could be exposed to the soils within the development. The contractor shall protect the site and maintain a single storage and fueling area on site. Although fuel leakage will happen, the contractor shall maintain this area so that pollutants to the soil is kept to a minimum. Contractor to clean any spills immediately to protect the soils from pollutants. Sorbent materials can be used to effectively clean-up various materials spilled on pavement, water and soil. Soil or other media which has been contaminated with petroleum or other pollutants must be excavated or remediated in accordance with applicable laws and regulations to prevent contaminated discharges to a storm drain or waterway. Excavated contaminated materials must be stored in containers or on plastic and covered so as to ensure that the contamination is not flushed back onto the ground during a rainstorm. Emergency call IDEM 317-233-7745 and the Franklin Fire Department 317-736-3650
- B14 Monitoring and maintenancing guidelines for each proposed stormwater quality measure - The contractor/developer has full responsibility of inspecting the erosion control measures on a daily basis. At a minimum, practices need to be inspected weekly, after each storm event, and daily during prolonged storm events. Inspection of practices during a storm event is advantageous because the inspector can easily identify where measures need to be repaired or replaced. Failing practices should be repaired or
- replaced immediately. See this sheet C.603 for details. B15 - Erosion & sediment control specifications for individual building lots - Builders are to coordinate staging of erosion control as per detail labeled "Construction Sequence of Building Site Erosion Control Practices"
- Developers and Contractors must meet the desian criteria, standards and specifications outlined in the Indiana Handbook for Erosion Control in Developing Areas. Stormwater Pollution Prevention Plan - Post Construction Component (Section C)
- C1 Description of pollutants and their sources associated with the proposed land use - The potential pollutants for this proposed land use are grease, oil, fertilizers, etc.
- C2 Sequence describing stormwater quality measure implementation - Permanent stabilization (I.E. seeding, erosion control blanket) shall be implemented
- as construction disturbances have been eliminated. C3 - Description of proposed post construction stormwater quality measures
- The Dry Detention Area provides water quality for post construction. C4 — Location, dimensions, specifications, and construction details of each stormwater quality measure.

TOTAL DISTURBED AREA

CONSTRUCTION

-The Dry Deention Area is shown on sheet C.300 of these plans

PROPOSED

BUILDING 23,500 Sq. Ft.±

FIN. FL.=751.00 SEE ARCH. PLANS FOR DIMENSIONS

C5 — Description of maintenance guidelines for post construction stormwater quality measures – Proposed storm sewer inlets shall be monitored to ensure sediment accumulation does distract from proper flow/function. All grass areas including the Dry Detention Area to be monitored to ensure a vigorous vegative growth.

EROSION CONTROL MEASURES SHALL BE IN COMPLIANCE WITH THE INDIANA STORM WATER QUALITY MANUAL - PLANNING AND SPECIFICATION GUIDE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL AND POST—CONSTRUCTION WATER QUALITY.

# PERMANENT SEEDING DATES

IRRIGATION NEEDED DURING THIS PERIOD, TO CONTROL EROSION AT TIMES OTHER THAN IN THE SHADED AREAS, USE MULCH. \* LATE SUMMER SEEDING DATES MAY BE EXTENDED 5 DAYS IF

A SELF-MONITORING PROGRAM THAT INCLUDES THE FOLLOWING MUST BE

A) A TRAINED INDIVIDUAL SHALL PERFORM A WRITTEN EVALUATION OF THE

1. THE MAINTENANCE OF EXISTING STORM WATER QUALITY MEASURES

IN COMPLIANCE WITH ALL APPLICABLE STATUTES AND RULES.

4. DETAILS OF CORRECTIVE ACTIONS RECOMMENDED AND COMPLETED.

1. BY THE END OF THE NEXT BUSINESS DAY FOLLOWING EACH

TO ENSURE THEY ARE FUNCTIONING PROPERLY; AND

2. IDENTIFY ADDITIONAL MEASURES NECESSARY TO REMAIN

1. THE NAME OF THE INDIVIDUAL PERFORMING THE ACTION:

3. PROBLEMS IDENTIFIED AT THE PROJECT SITE; AND

MEASURABLE STORM EVENT; AND

B) THE EVALUATION MUST ADDRÉSS:

2. THE DATE OF THE EVALUATION;

2. AT A MINIMUM OF ONE (1) TIME PER WEEK.

C) WRITTEN EVALUATION REPORTS MUST INCLUDE:

\*\* INCREASE SEEDING RATE BY 50 PERCENT

# LEGAL DESCRIPTION

A part of the Northwest Quarter of the Southwest Quarter of Section 15, and a part of the North Half of the Southeast Quarter of Section 16, all in Township 12 North, Range 2 East of the Second Principal Meridian, Johnson County, Indiana, being more particularly described as follows:

BEGINNING at the Southeast corner of said North Half of the Southeast Quarter of Section 16; thence South 89 degrees 53 minutes 48 seconds West (Basis of bearings are Indiana State Plane Coordinate System, IN East) along the South line of said North Half Quarter Section 200.00 feet; thence North 00 degrees 14 minutes 39 seconds West parallel to the East line of said North Half Quarter Section 548.43 feet to the Southern Right—of—Way of State Road 144; thence South 68 degrees 25 minutes 58 seconds East along South Southern Right-of-Way 291.02 feet to the Northwest corner of the land of the City of Franklin, Indiana, as recorded in Instrument Number 2019-007992, in the Office of the Johnson County Recorder; thence the next two (2) courses being along the Western lines of said City of Franklin; (1) South 48 degrees 59 minutes 34 seconds East 90.13 feet; (2) South 18 degrees 45 minutes 59 seconds East 76.18 feet to the Western Right-of-Way of State Road 44; thence the next three (3) courses being along said Western Right-of-Way; (1) South 21 degrees 34 minutes 02 seconds West 13.01 feet to a point of curvature of a curve concave Westerly with a Radius Point that bears North 68 degrees 25 minutes 58 seconds West 1577.02 feet; (2) Southerly along said curve through a Central Angle of 11 degrees 03 minutes 35 seconds, a distance of 304.41 feet to a point of Non-Tangency; (3) South 32 degrees 57 minutes 11 seconds West 32.36 feet to the Point of Beginning, containing 3.38 acres, more or less.

Subject to all Right-of-Ways, easements, and restrictions.

# SEEDING LEGEND

ALL BARE AREAS SCHEDULED TO BE LEFT IDLE FOR 15 DAYS OR MORE MUST ANNUAL RYEGRASS AT 1 LB. PER 1000 SQ. FT. STRAW MULCH AT 2 TONS PER ACRE

PERMANENT SEED:

KENTUCKY BLUEGRASS AT 40 LBS. PER ACRE CREEPING RED FESCUE AT 40 LBS. PER ACRE STRAW MULCH AT 2 TONS PER ACRE

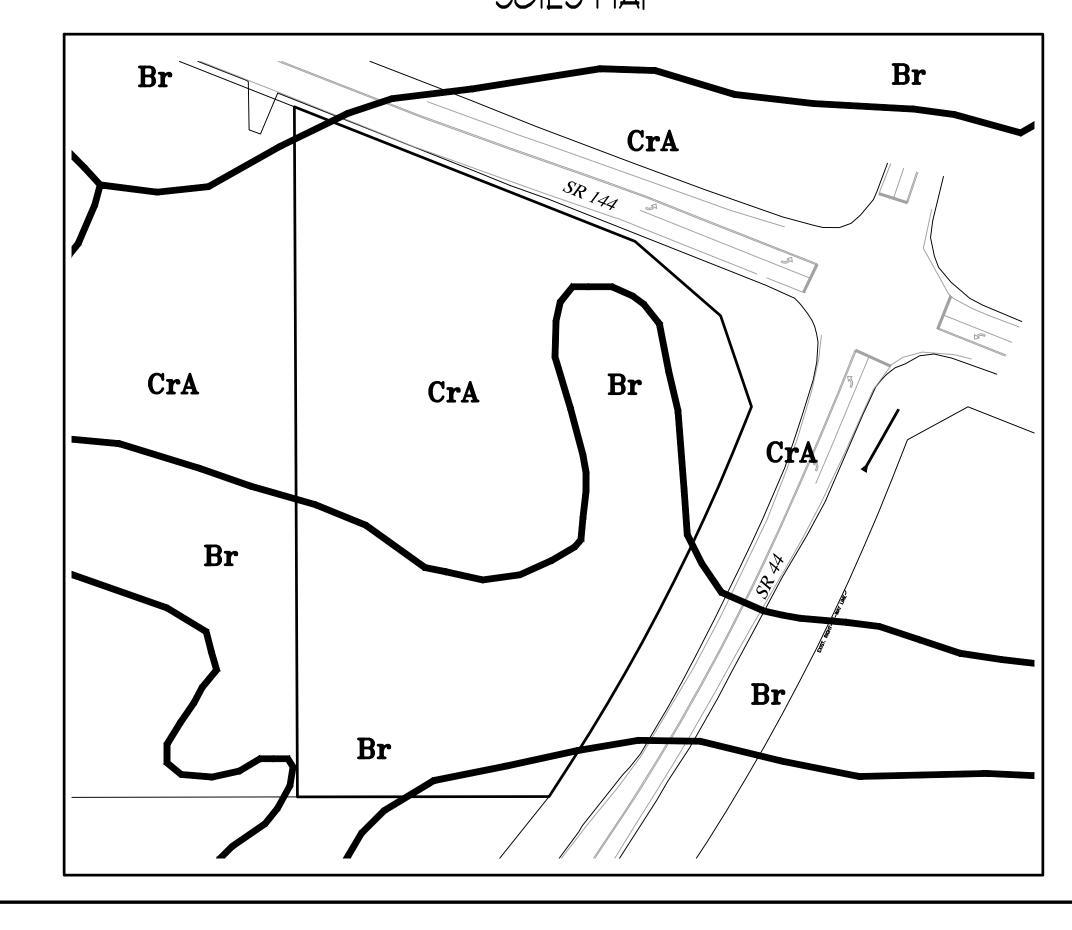
# SEEDING NOTE:

ALL <u>PERMANENT SEEDING</u> SHALL BE DONE IN ACCORDANCE WITH SECTION 3.12 OF THE "INDIANA HANDBOOK for EROSION CONTROL in DEVELOPING AREAS".

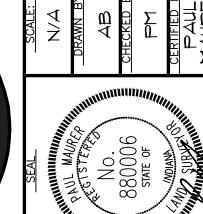
# **ADDITONAL NOTES:**

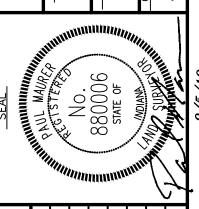
-THE SILT FENCE AND APPROPRIATE EROSION CONTROL SHALL
BE INSTAILED PRIOR TO ANY CONSTRUCTION. -ALL SLOPES EXPOSED DURING CONSTRUCTION SHALL HAVE SC-150 EROSION CONTROL BLANKETS INSTALLED ON THEM. -ALL SILT FENCE MATERIAL SHALL BE "NUTEC 3 NWS-6

# SOILS MAP









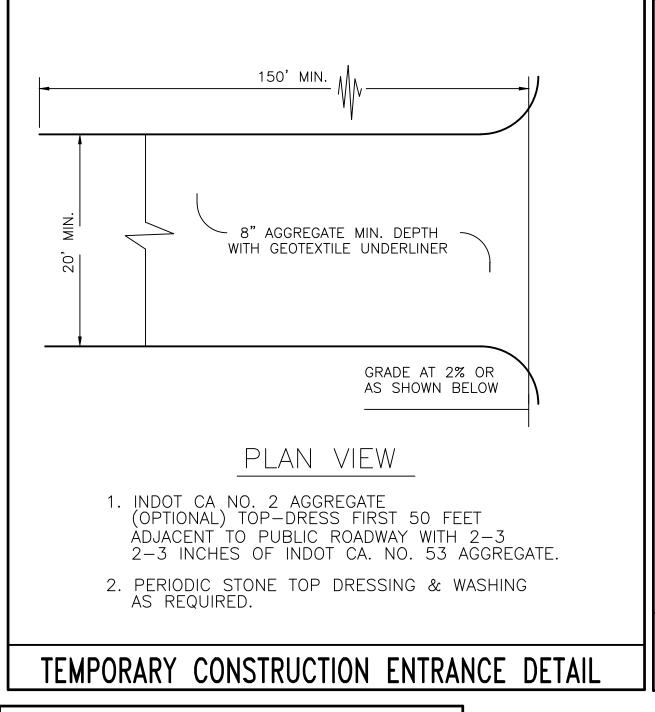
MEDIC, UILDING

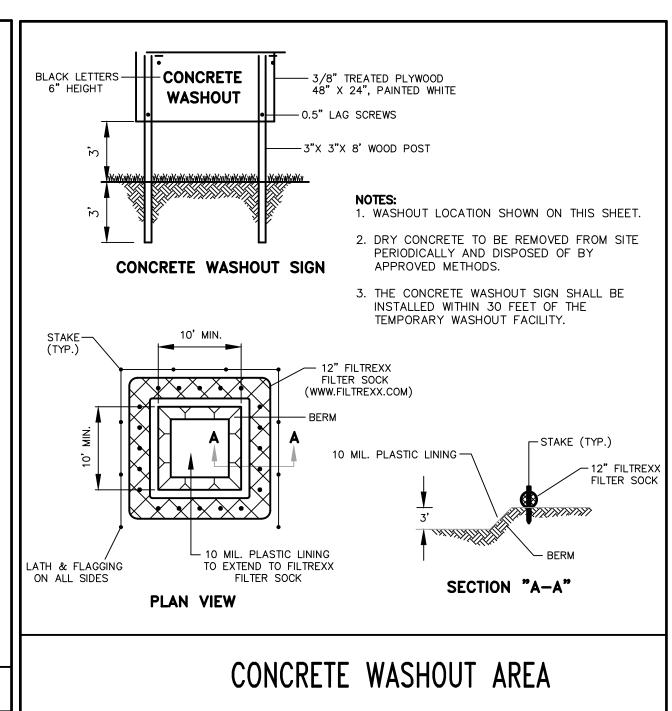
NKLIN FICE B

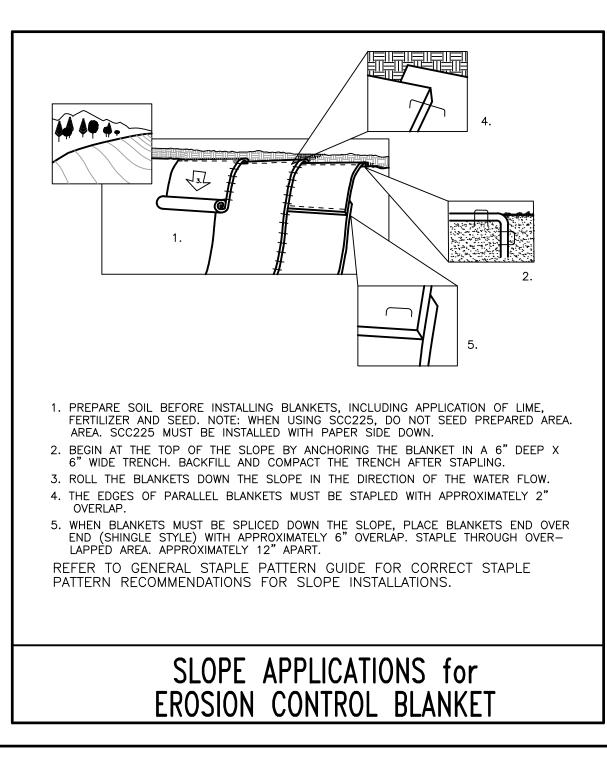
SEPTEMBER 5, 2019

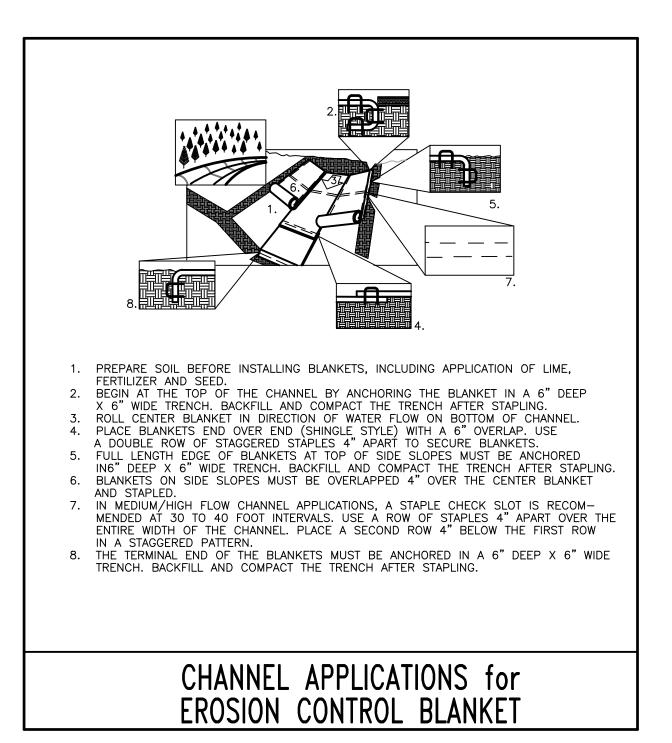
JOB NO. 2331-C.601

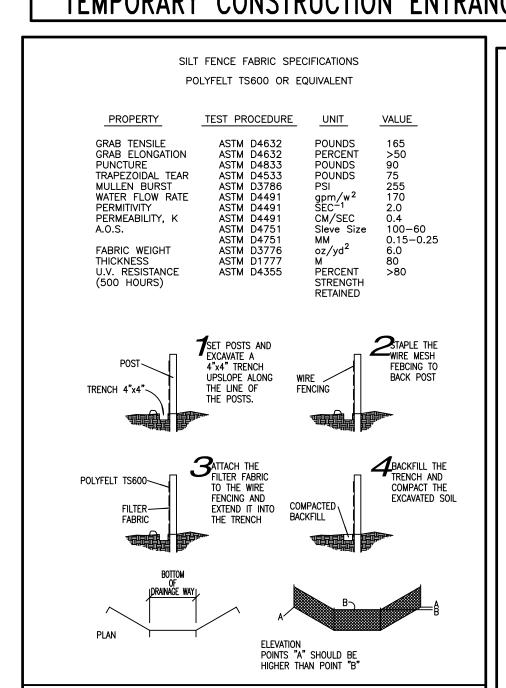
# \*THIS SHEET FOR EROSION CONTROL PURPOSES ONLY\*



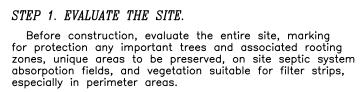








FILTER FENCE INSTALLATION DETAIL



Identify Vegetation To Be Saved.

-Select and identify the trees, shrubs, and other vegetation that you want to save (see "Vegetative 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 the tree's dripline 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 Vegetation Filter Strips

On slopes of less than 6 percent, preserve a 20 to 30 foot wide vegetative buffer strip around the perimeter of the property, and use it as a filter strip for tapping sediment.

Do not now filter strip vegetation shorter than 4 inches. With Silt Fence

Use silt fencing along the perimeter of the lot's downslope side(s) to trap sediment(see Exhibit #3).

Install Gravel Drive.

Restrict all lot access to this drive to prevent vehicles from tracking mud onto roadways (see Exhibit #4)

Protect Storm Sewer Inlets.

Protect nearby storm sewer drop inlets with stone—filled or gravel—filled geottextile bags (see Exhibit #1) or equivalent measures before disturbing soil.

Protect nearby storm sewer curb inlets with stone—filled or material (see Exhibit #2), straw bales, or equivalent mea—sures before disturbing soil.

# CONSTRUCTION SEQUENCE FOR BUILDING SITE EROSION CONTROL PRACTICES PROPERTY LINE/ DRAINAGE SWALE SUBSOIL STOCKPILE FINISHED DRAINAGE FINISHED DRAINAGE FINISHED DRAINAGE STOCKPILE FINISHED DRAINAGE FINISHED DRAINAGE SIDEYARD DRAINAGE FINISHED DRAINAGE SILT FENCING GRAVEL ENTRANCE EXITY PAD CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION PROTECTION DROP INLET PROTECTION DROP INLET PROTECTION DROP INLET PROTECTION SAMPLE EROSION/SEDIMENT CONTROL PRACTICE PLAN FOR A TYPICAL

# SAMPLE EROSION/SEDIMENT CONTROL PRACTICE PLAN FOR A TYPICAL ONE—OR TWO—FAMILY DWELLING UNDER CONSTRUCTION PREPARE THE SITE FOR CONSTRUCTION. STEP 4. BUILD THE STRUCTURE(S) AND

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.

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 stockpile away from any downslope street, driveway, stream, lake, wetland, ditch, or drainageway.

Immediately after stockpiling, temporary—seed the stock—piles with anual rye or winter wheat and/or place sedi—ment barriers around the perimeter of the piles.

STEP 4. BUILD THE STRUCTURE(S) AND INSTALL THE UTILITIES.

Construct the home and install the utilities; also install the sewage disposal system and drill the water will (if applicable); then consider the following.

Install Downspout Extenders.

-Although not required, downspout extenders are highly recommended as a means of preventing lot erosion from roof runoff.

-Add the extenders as soon as the gutters and downspouts are installed (see Exhibit #5).

-Be sure the extenders have a stable outlet, such as the street, sidewalk, or a well vegetated area.

STEP 5. MAINTAIN THE CONTROL PRACTICES.

Maintain all erosion and sediment control practices un—
til construction is completed and the lot 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. REVEGATE THE BUILDING SITE.

Immediately after all outside construction activities are completed, stabilize the lot with sod, seed, and /or mulch.

Redistribute the Stockpiled Subsoil and Topsoil.

-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 of recommendations of a seed supplier of a professional landscaping constractor.

Seed of Sod Bare Areas.

-Contact local seed suppliers of professional landscaping contractors for recommended seeding mixtures and rates.

-Follow recommendations of a professional landscaping constractor for installation of sod.

-Water newly seeded/sodded areas everyday or two to keep the soil moist. Less watering is needed once grass is 2 inches tall.

Mulch Newly Seeded Areas.

-Spread straw mulch on newly seeded areas, using 1 1/2 to bales of straw per 1,000 square feet.

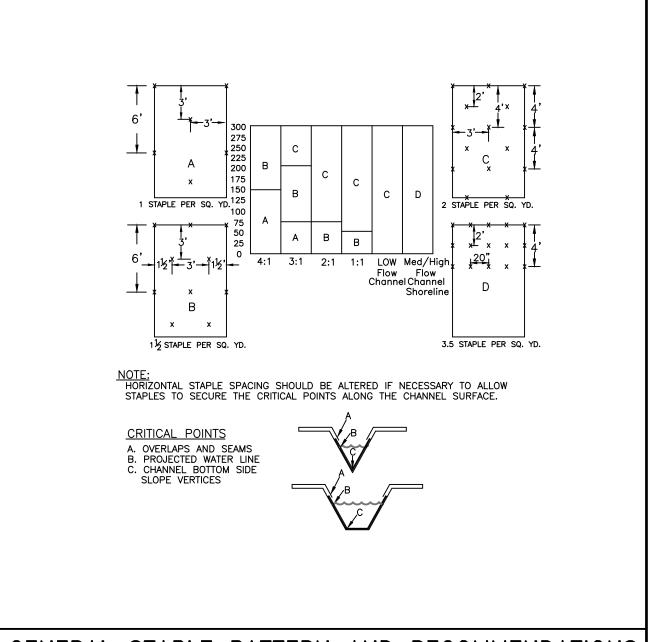
-On flat or gently sloping land, anchor the mulch by crimping it 2 to 4 inches into the soil. On step slopes, anchor the mulch with netting or tackifiers. An alternative to anchored mulch would be the use of erosion control blankets

# REMOVE REMAINING TEMPORARY

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

-Downspout extenders. (Or shorten to outlet onto the vegetated areas, allowing for maximum infiltration).

-Storm sewer inlet portection measures.



GENERAL STAPLE PATTERN AND RECOMMENDATIONS

FRANKLIN MEDICAL

OFFICE BUILDING

3 E. STATE ROAD 144, FRANKLIN, IN

SURVEYING, INC.

LEY ROAD, STE P, GREENWOOD, IN 46142
1-3898 www.MaurerSurveying.com

O WEST SMITH VALLEY ROAD, STOFFICE - 317-881-3898

AND SURVEYING, LAND DEVELOP PREPARED FOR:

COOLER DESIGN,

E 4800

SHEET C.602

SEPTEMBER 5, 2019

JOB NO. 2331-C.602

# NOTICE, PERMITS, and NOTES

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
- 2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING ANY CONSTRUCTION.
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR NOTIFICATION AND COORDINATION OF ALL CONSTRUCTION WITH THE RESPECTIVE UTILITY COM-PANIES, PRIOR TO STARTING ANY CONSTRUCTION.
- 4. ALL CONSTRUCTION ACTIVITY ON THIS SITE SHALL BE PERFORMED IN COM-PLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
- 5. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING THE MOST UPDATED SET OF CONSTRUCTION PLANS PRIOR TO COMMENCING CONSTRUCTION.

ACCEPTABLE TYPES.

6. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING <u>AS-BUILT</u> INFORMATION TO THE ENGINEERING/SURVEYING COMPANY UPON COMPLETION OF CONSTRUCTION.

# TREE AND BUSH NOTE

ALL TREES AND BUSHES SHALL CONFORM TO THE "CITY of FRANKLIN ZONING ORDINANCE".

THE TYPES SHOWN ARE FOR THE "TYPE" REFERENCE ONLY. DEVELOPER SHALL PROVIDE THE CITY OF FRANKLIN WITH INFORMATION ABOUT SPECIFIC PLANTINGS, TO ASSURE THAT THE SPECIES THEY USE ARE ON THE "ZONING ORDINANCES" LIST OF

INSTALLATION OF PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT INDUSTRY STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN. THE LANDSCAPE CONTRACTOR SHALL PLACE A COMPACTED LAYER OF 4" TOPSOIL OVER ARES TO BE ESTABLISHED SHRUB BEDS. SUBSTITUTION MAY BE PERMITTED PROVIDED THE NURSERY CAN DEMONSTRATE THAT THE SUBSTITUTION IS SUPERIOR IN QUALITY AND LESS SUSCEPTIBLE TO INSECT DAMAGE.

# LOT COVERAGE NOTES

REQUIRED ISLAND AREA: 5% OF PARKING/DRIVES PARKING & DRIVES 55,011 sq. ft.

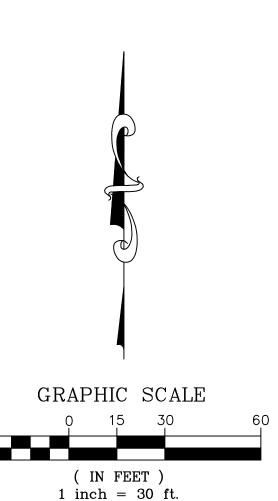
ISLAND AREA ACTUAL 3,870 sq. ft. ACTUAL ISLAND AREA: 7.0% OF PARKING/DRIVES

2,751 sq. ft.

YEAR AREA FOR ENTIRE SITE

ISLAND AREA REQURIED

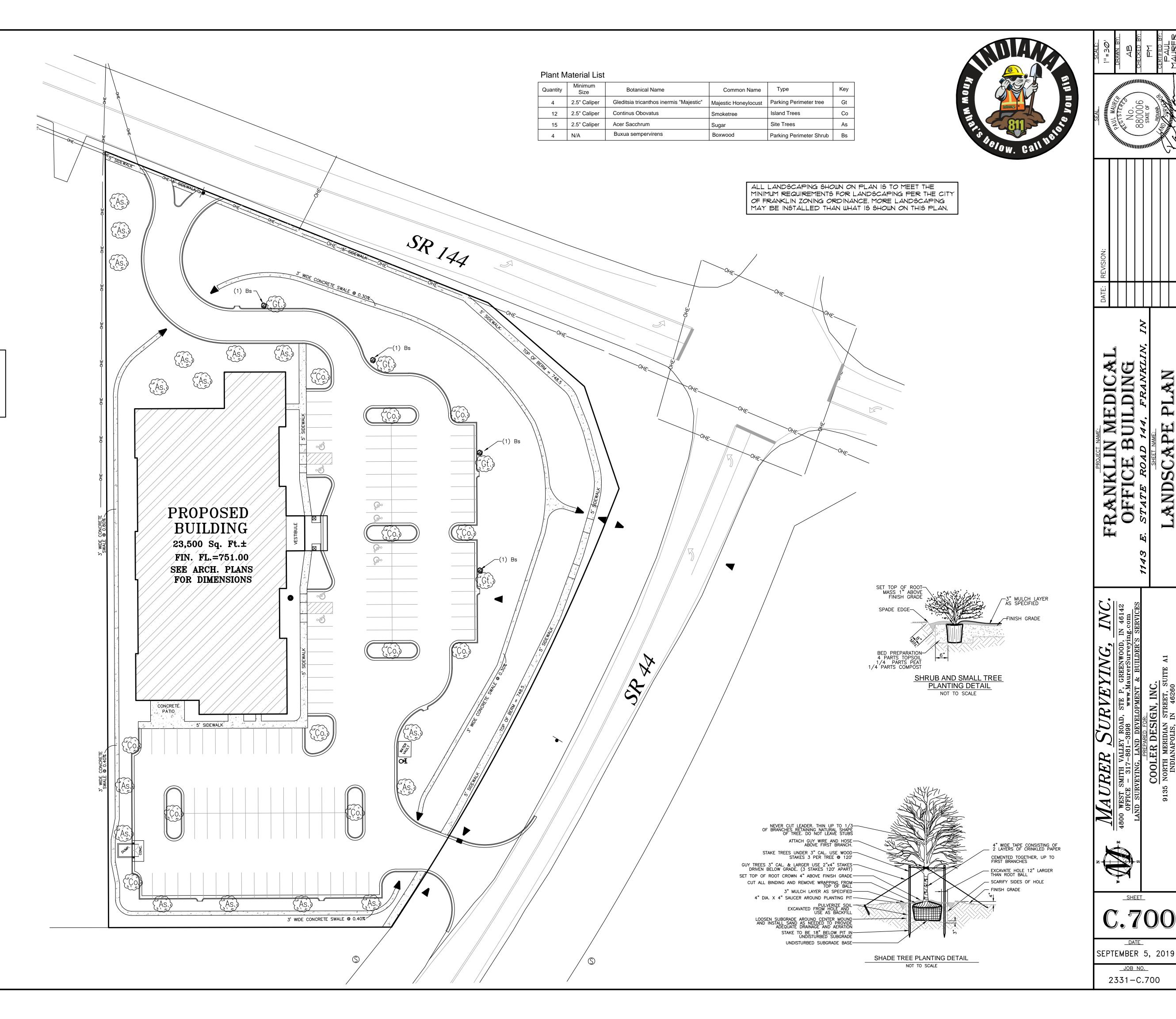
= 15% MINIMUM OF SITE AREA = 147,233 X 0.15 = 22,085 S.F. REQUIRED TOTAL YARD AREA PROVIDED = 64,468 S.F. (44%)



# UTILITY STATEMENT:

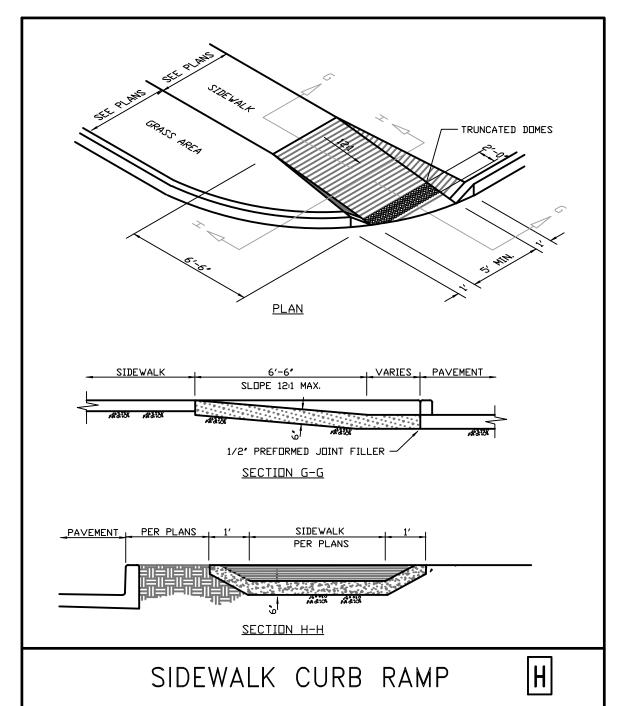
THE EXISTING UNDERGROUND UTILITIES SHOW HAVE BEEN LOCATED FROM VISIBLE FIELD EVIDENCE AND/OR EXISTING DRAWINGS. MAURER SURVEYING, INC. (M) MAKES NO GUARANTEES THAT THE UTILITY INFORMATION SHOWN COMPRISES ALL SUCH UTILITIES IN THE AREA, IN SERVICE OR ABANDONED. MAURER SURVEYING, INC. FURTHER STATES THAT THE UNDERGROUND UTILITY DATA SHOWN DOES NOT INDICATE PRECISE LOCATIONS.

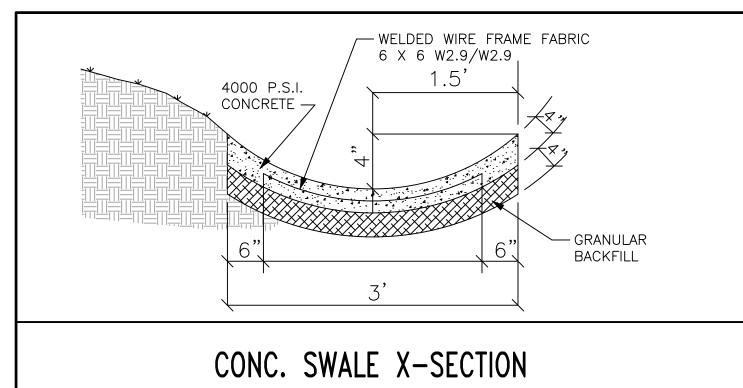
THIS DRAWING/COMPUTER FILE IS THE PROPERTY OF MAURER SURVEYING, INC. (M). ANY REPRODUCTION OR REUSE OF THIS DOCUMENT FOR ANY PURPOSE OTHER THAN THE PROJECT FOR WHICH IT WAS ORIGINALLY INTENDED, WITH OR WITHOUT PERMISSION FROM (M), BY ITS USE AGREES TO INDEMNIFY AND HOLD HARMLESS (M) FROM ANY LOSS, INCLUDING BUT NOT LIMITED TO ATTORNEY FEES, OCCURRING FROM THEIR USE.

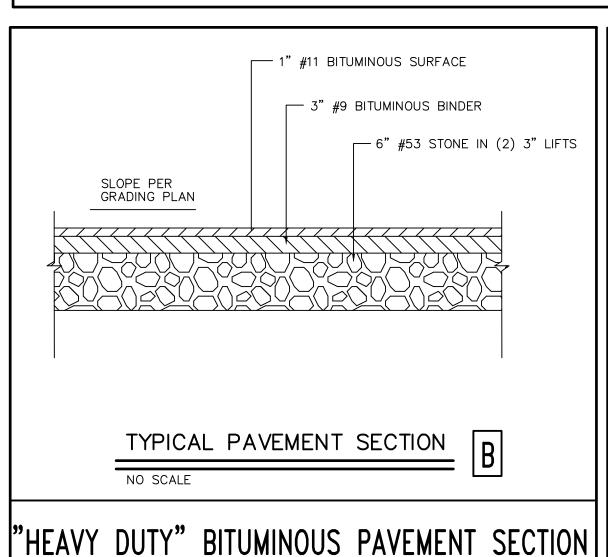


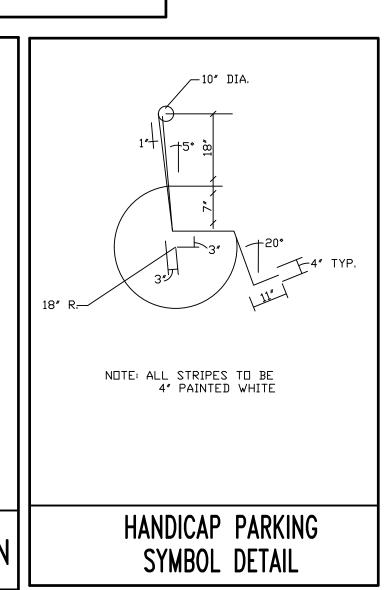
SHEET

<u>DATE</u>









# /32" TAPER PER INCH PER SIDE HORIZONTAL FLARE J G or T (GROOVE-OUTLET END) (TONGUE-INLET END) VERTICAL FLARE SECTION A-A SECTION B-B 78 | 7 1/2 | 6 1/2 | 14430 | 24 1. MANUFACTURE OF END SECTION IS IN ACCORDANCE WITH APPLICABLE PORTIONS OF A.S.T.M. SPECIFICATION C76. PRECAST CONCRETE FLARED HEADWALLS

# EDGE OF PAVEMENT, -CURB, GUTTER OR SIMILAR STRUCTURE TO ENSURE GRASS IN THE PUBLIC R/W GROWTH MIN. 1.25 Bc+12" #53 STONE COMPACTED TO 95% STANDARD PROCTOR DENSITY (d) MIN. 27" & SMALLER 30″ T□ 60″ 66" & LARGER

∟5′ DR LESS

ALL BEDDING & INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO

MINIMUM 9" CLEARANCE SHALL BE

PROVIDED ON EACH SIDE OF THE

12" BALANCED LIFTS.

INSTALLED PIPE.

REINFORCED CONCRETE PIPE (RCP) TRENCH DETAIL WITHIN 5' OF EDGE OF PAVEMENT

WITHIN 5' OF EDGE OF PAVEMENT

L E G E N D

Bc = DUTSIDE DIAMETER

D = INSIDE DIAMETER

d = DEPTH OF BEDDING

# SITE WORK GENERAL NOTES AND SPECIFICATIONS

GENERAL: WHEREVER A CONFLICT OR DEFICIENCY OCCURS BETWEEN THE CONSTRUCTION STANDARDS AND SPECIFICATIONS ADOPTED BY THE CITY OF FRANKLIN, THE HIGHER OR MORE RESTRICTIVE STANDARD OR SPECIFICATION SHALL APPLY.

# NOTICES AND PERMITS

- 1. The contractor shall be responsible for obtaining or verifying that all permits and approvals are obtained from the respective city, county and state agencies prior to starting construction.
- 2. It shall be the Contractor's responsibility to determine the exact location of all existing utilities in the vicinity of the
- 3. It shall be the Contractor's responsibility for notification and coordination of all construction with the respective utility

construction area prior to starting construction.

- 4. It shall be the responsibility of the Developer and Contractor to maintain quality control throughout the project; failure to do so may result in removal and replacement of the defective work. It is recommended that the Developer have a qualified inspector on the job site at all times during construction.
- 5. It is essential that the work to be done in conjunction with this project shall be installed according to these specifications. The Engineer will be required to certify to certain portions of this project upon completion. Therefore, it is necessary to obtain approval and acceptance by the City of Franklin that construction was done in compliance with these plans and specifications.

# CLEARING AND GRUBBING

- Clearing and grubbing shall consist of cutting, removal and satisfactory disposal of all trees, down timber, brush, projecting roots, stumps, rubbish, boulders, broken concrete, fencing (as designated) and other material on the project site and within the boundary as shown on the Construction Documents and/or as designated by "Construction Limits".
- 2. Special care shall be taken to insure that the trees to be left remaining in the project area shall not receive limb, bark or root injuries. When such injuries occur, all rough edges of scarred areas shall be removed in accordance with accepted horticultural practice and the scars coated thoroughly with an asphaltum base tree
- 3. All "unsuitable material" from clearing operations stated in Item B-1 shall be removed to disposal area(s) off of the project site; unless a "Bury Pit" shall be utilized in an area where it shall not be beneath building areas and/or pavement areas and shall not be located in an area where storm drainage structures shall be located or where impoundment of surface drainage may occur.
- Materials shall not be disposed of by burning unless approved by the

# TREE REMOVAL AND PROTECTION

- Trees shall be removed from the project site only where the area is to be occupied by road and surface areas in accordance with specifications of City of Franklin.
- 2. Trees shall be removed from the project site as directed by the Developer and so designated.
- 3. Trees shall be removed from the project site where they interfere directly with the placement of storm or sanitary sewers and that such excavation is or will be fatal to such adjacent trees.
- 4. The Contractor shall endeavor to save and protect trees of value and worth which do not impair construction of improvements as designated. In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect to protective measures to be taken, if any, to preserve such trees.
- 5. The Contractor shall be responsible for determining the method for protection of tops, trunks and roots of existing trees on the project site that are to remain. Existing trees subject to construction damage shall be boxed, fenced or otherwise protected before any adjacent work is started. Earth or material and equipment shall not be stockpiled or stored within the spread of branches. Branches which need to be removed or are broken shall be

# STRIPPING OF TOPSOIL

- 1. The Contractor shall verify that all topsoil has been removed in the areas to be occupied by road, walks and designated building areas Topsoil shall be removed to a depth of six (6) inches or deeper, if necessary, to remove vegetable matter where required
- Topsoil shall be kept separated from suitable fill materials and shall not be used as fill under pavement and/or building areas.
- Topsoil shall be stored at a location where is does not interfere with construction operations. Excess topsoil shall be used for finish grading on site of drainage swales, yards of new residences,
- 4. Topsoil shall be reasonably free from subsoil debris and stones.

# <u>L E G E N D</u> GREATER THAN 5 Bc = DUTSIDE DIAMETER D = INSIDE DIAMETER EDGE OF PAVEMENT, d = DEPTH OF BEDDING CURB, GUTTER OR MINIMUM 6" TOPSOIL SIMILAR STRUCTURE TO ENSURE GRASS MATERIAL BELOW PIPE IN THE PUBLIC R/W MIN. 1.25 Bo DEPTH OF BEDDING MATERIAL BELOW PIPE REGULAR BACKFILL #53 STONE — COMPACTED TO 27" & SMALLER 30″ T□ 60″ 90% STANDARD PROCTOR DENSITY 66" & LARGER 1/6 Bc GREATER THAN 5' FROM EDGE OF PAVEMENT ALL BEDDING & INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS. MINIMUM 9" CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE.

REINFORCED CONCRETE PIPE (RCP) TRENCH DETAIL GREATER THAN 5' OF EDGE OF PAVEMENT

### E. GRADING

- The Contractor shall perform all grading operations to bring subgrades, after final compaction, to the required grades and sections for site improvement.
- Subgrade shall be proofrolled with suitable equipment and all spongy and otherwise unsuitable material shall be removed and replaced with
- Subgrade shall be prepared in compliance with IN D.O.T. standard

specifications and as per City of Franklin Subdivision Control and Land

- Development ordinance. 4. See ROAD CONSTRUCTION
- All fill material shall be formed from soil free of deleterious material. Prior to placement of fill a sample of the proposed fill material should be submitted to the Soils Engineer for his approval.
- 6. All fill material in areas outside building and pavement areas shall be compacted lightly and protected from erosion by one or more of the methods of Item G. Areas where building and pavement construction is feasible shall not have unsuitable material placed in that location and fill shall be compacted to 95% Standard Proctor or better. These areas shall be determined by the Developer's representative.

# **EROSION PROTECTION DURING CONSTRUCTION**

- The Contractor shall provide adequate erosion protection measure during construction such as, but not limited to:
- a. Siltation basins
- b. Silt traps
- c. Straw bale dams
- Soil cement
- e. Mulch and seeding
- f. Soil stabilization fabric
- Details and placement specifications for the above items are available on request from the Engineer.
- See "Erosion Control Plan" and Details for more erosion control measures.

# STORM SEWER CONNECTION

- Storm sewer structures shall comply with current specifications of the City, County and all agencies in respect to design and quality
- All storm sewer construction inside public right—of—way, either existing or to be dedicated, shall be in accordance with IN D.O.T.
- 3. Where reinforced concrete pipe is shown on the construction plans, it shall be in accordance with A.S.T.M. C-76 Class III Wall "B" unless otherwise specified on the plans. All concrete pipes must have 0-Ring joints.
- Where corrugated metal pipe is shown on the construction plans, it shall be 14 gauge unless otherwise specified and shall have the connecting bands and seals as specified by the manufacturer. C.M.P. may be either aluminum pipe or zinc coated steel sheets in accordance with A.S.T.M. A-444.
- 5. Manholes, catchbasins and inlets will be poured in place or precast concrete. If the contractor elects to use precast structures, he shall submit shop drawings to the engineer prior to construction.
- 6. Precast concrete and steel for manholes and inlets shall be in accordance with A.S.T.M. C-478.
- Castings shall be as shown on the detail sheet(s) for manufacturer, type and model number.

# UTILITIES

# 1. Electric and Telephone:

- Conduit shall be required for all crossings under pavement
- Granular backfill shall be required for all crossings under
- c. Concrete pads for electric and telephone transformers shall be set at the approximate ground grade as shown on the Site Development Grading Plans for the respective locations.
- d. The Contractor shall be responsible for coordinating with each utility their installation of any lines or conduits or any other equipment required in the project. The utilities shall be notified prior to the placement of pavement a minimum of 48 hours so that they might install any crossings.

# GRANULAR BACKFILL

Shall be in accordance with IN D.O.T. Standard Specifications. The material shall be Compacted Aggregate No. 53 under or within 5 feet of all pavement per City of Franklin.

# PAVEMENT CONSTRUCTION

- All street construction shall be in accordance with the plans and specifications and conform to the minimum standards of IN D.O.T. Standard Specifications, 1988 Edition.
- Concrete shall be 6 bag, Class "A" (minimum 4000 psi aftercuring. 5% to 7% air entrainment and curing compound required.
- b. See details for bituminous pavement section.
- Subgrade shall be prepared in compliance with IN D.O.T. standard specifications. No traffic shall be permitted on the prepared subgrade prior to paving.
- Backfilling of utility trenches with granular material under pavement areas is required and shall be compacted to 95% Standard Proctor. (See Section J).

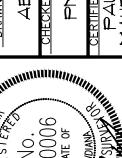
# CONCRETE CURB AND WALKS

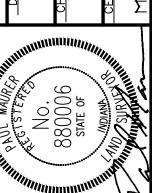
- See detail sheet for type and details.
- Concrete shall be ready mixed Portland cement conforming to A.S.T.M. C-150 and water. Aggregate shall conform to A.S.T.M. C-33. Concrete shall be 6 bag Class "A" with compressive strength of concrete at 28 days being mum 4000 p.s.i. Where required, reinforcement shall be welded steel wire fabric conforming to A.S.T.M. a-185. 5% to 7% air entrainment and curing compound

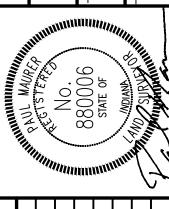
- Place concrete only on a moist, compacted subgrade or base free from loose material. Place no concrete on muddy or
- Concrete shall be deposited so as to require as little rehandling as practicable. When concrete is to be placed at an atmospheric temperature of 35 degrees F or less, IN D.O.T. Specifications, 1988 Edition shall apply.
- c. Except as otherwise specified, cure all concrete by one of the methods described in IN D.O.T. Specifications, 1988 Edition.

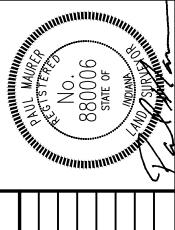
# FINISH GRADING AND SEEDING

- Over the approved rough grade (see Section E), spread 4" minimum of topsoil or approved fill to such depth as will finish to the required finish grades and contours after rolling and natural settlement. New grades shall slope uniformly between levels established on the plans and intersections of new grades with existing grades shall be uniform and smooth.
- Fertilizer and agricultural limestone shall be spread uniformly over the area to be seeded. They shall be mixed into the top 2" of soil with a disk harrow, rotary tiller or other approved equipment. Fertilizer shall be spread at the rate of 800 pounds per acre and agricultural limestone at the rate of 1/2 ton per acre unless otherwise specified.







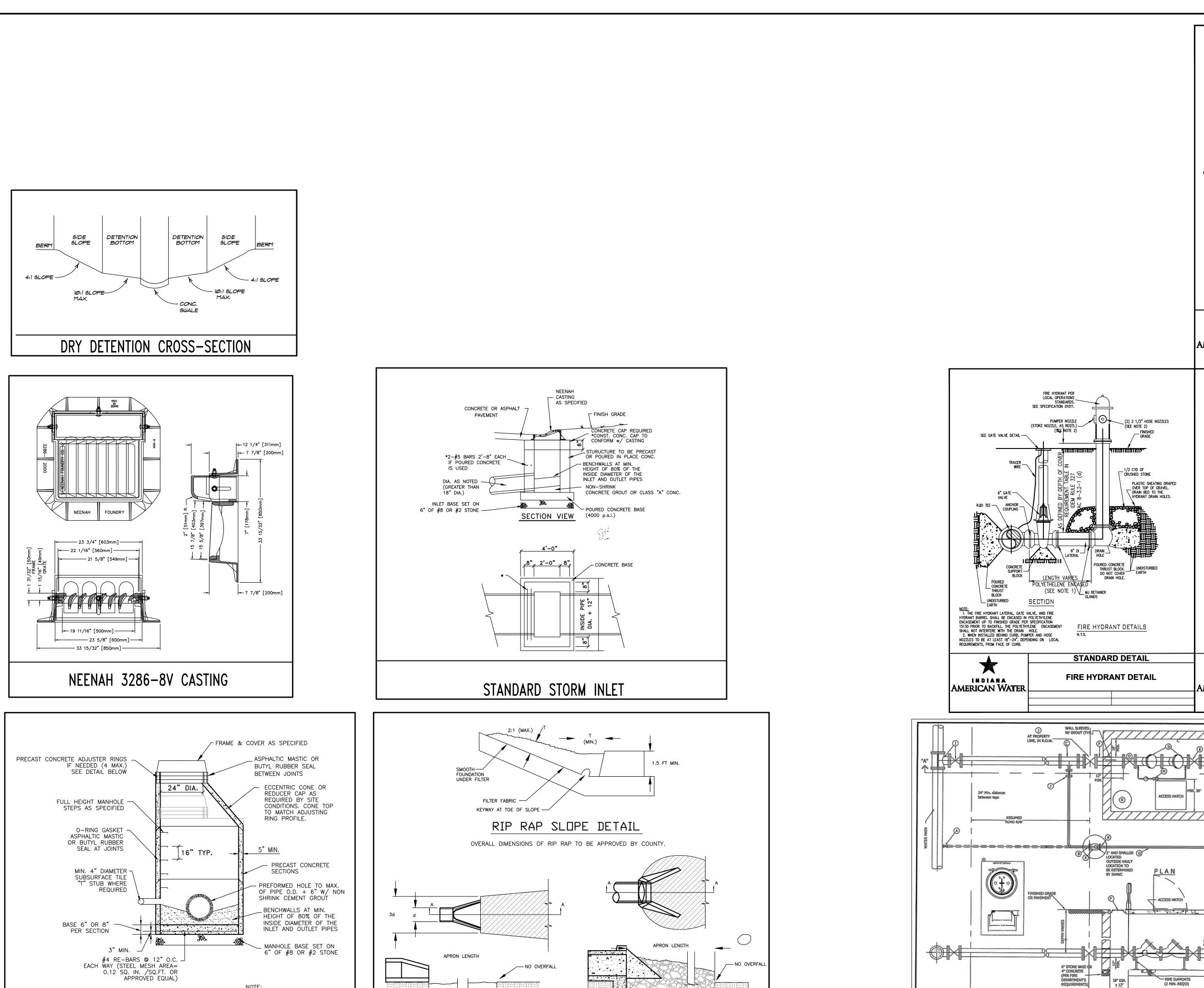


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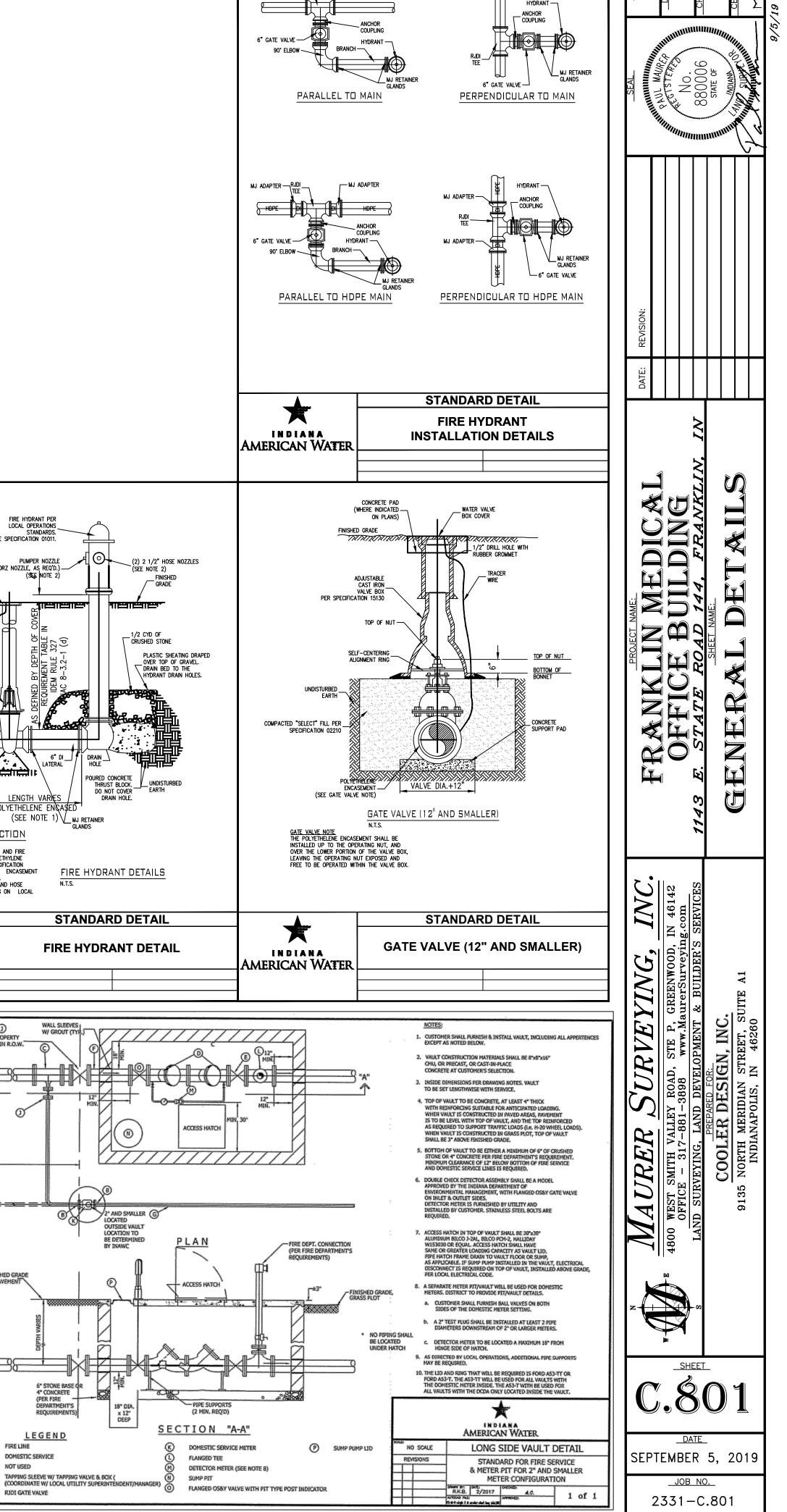


RIP RAP OUTLET DETAILS

0.12 SQ. IN. /SQ.FT. OR APPROVED EQUAL)

STANDARD STORM MANHOLE

NOTE: MANHOLE CONFORMS TO ASTM C478



LEGEND

FIRE LINE

NOT USED

DOMESTIC SERVICE

RJDI GATE VALVE

CORPORATION STOP

FLANGED OS & Y VALVE

BALL VALVE W/ FLANGED END (SEE NOTE 8)

DOUBLE CHECK DETECTOR ASSEMBLY

