

FINAL CONSTRUCTION PLANS

HURRICANE INDUSTRIAL PARK - LOT 11

1551 AMY LANE

FRANKLIN, INDIANA

SHEET
100

TITLE SHEET

HURRICANE INDUSTRIAL PARK - LOT 11

TEN

CHECKED

LWC/ALF

DESIGNED

DATE

DECEMBER 5, 2019

BY

APPR.

BY

DATE

REVISED

NO.

NO.

NO.

NO.

NO.

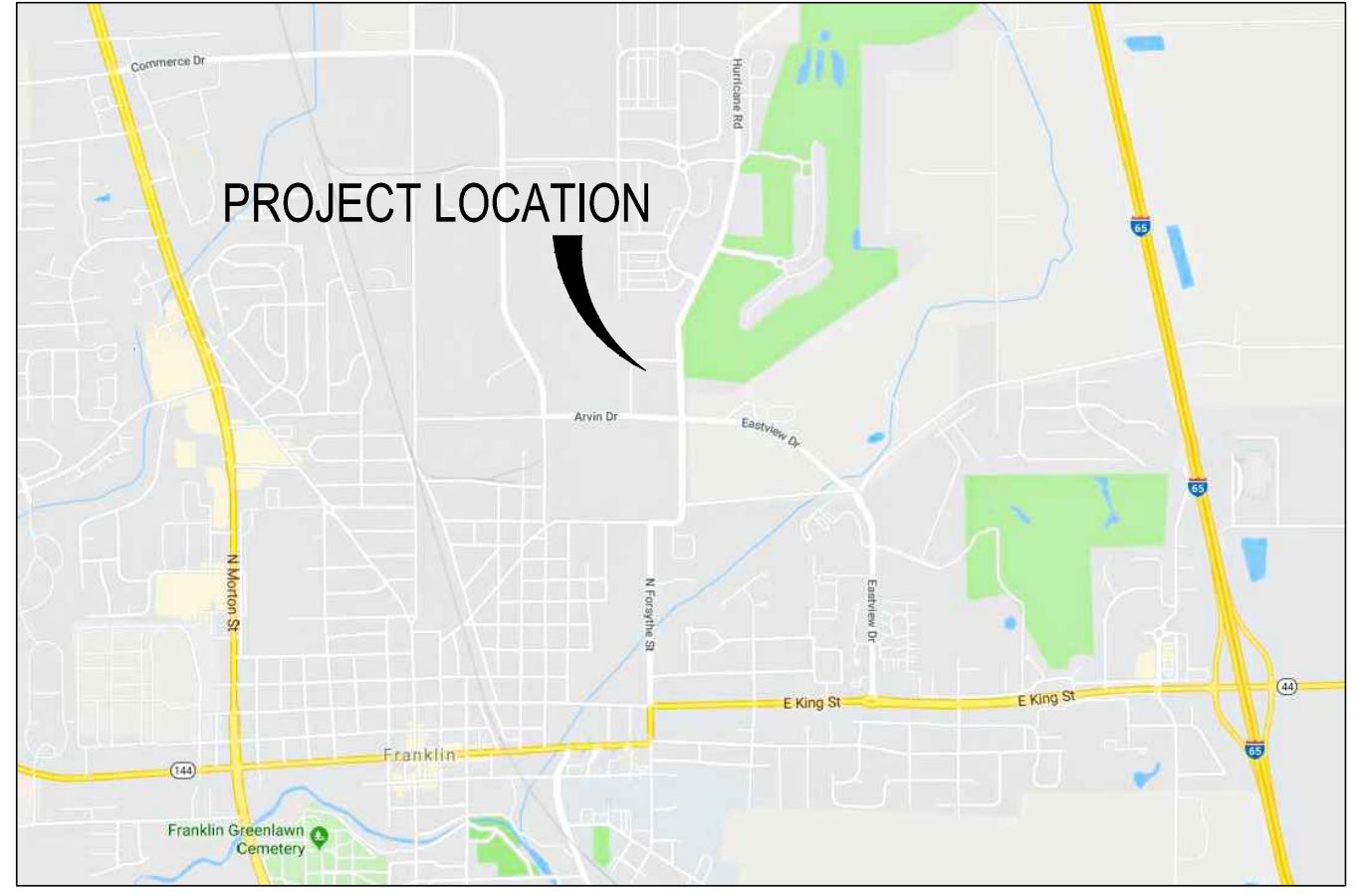
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NO.

PLAN INDEX	
SHEET #	SUBJECT
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VICINITY MAP
NO SCALE

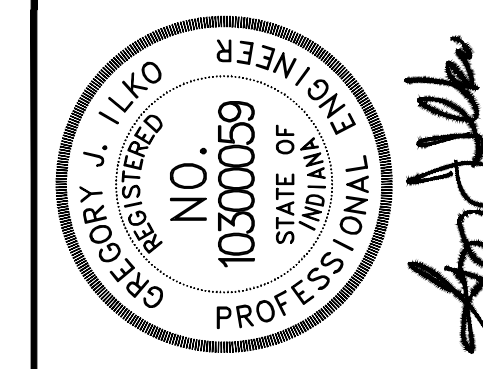


LOCATION MAP
NO SCALE

OWNER
WILSON FARM PROPERTIES, LLC
622 N. MADISON AVENUE, SUITE 11
GREENWOOD, IN 46142
PHONE: (317) 710-7741
CONTACT: SID BLAZEK
EMAIL: sblazek@dsinvestments.net

ENGINEER
CROSSROAD ENGINEERS, PC
3417 SHERMAN DRIVE
BEECH GROVE, IN 46107
PHONE: (317) 780-1555
CONTACT: GREG J. ILKO
EMAIL: gilko@crossroadengineers.com

DEVELOPER
AVERA COMMERCIAL, LLC
1584 E. COUNTY ROAD 600 SOUTH
FRANKLIN, IN 46131
PHONE: (317) 443-9608
CONTACT: ADRIAN SODREL
EMAIL: asodrel@gmail.com



DIRECTORY PATH : R:\ActiveAvera Commercial\Hurricane BP - Lot 11\Design\CAD\Plans
DATE USER : 12/05/2019 9:23 AM / KG9g

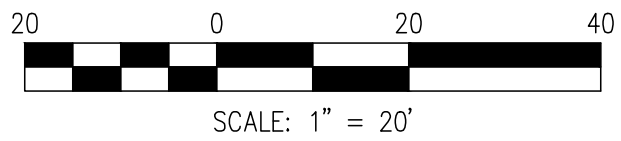
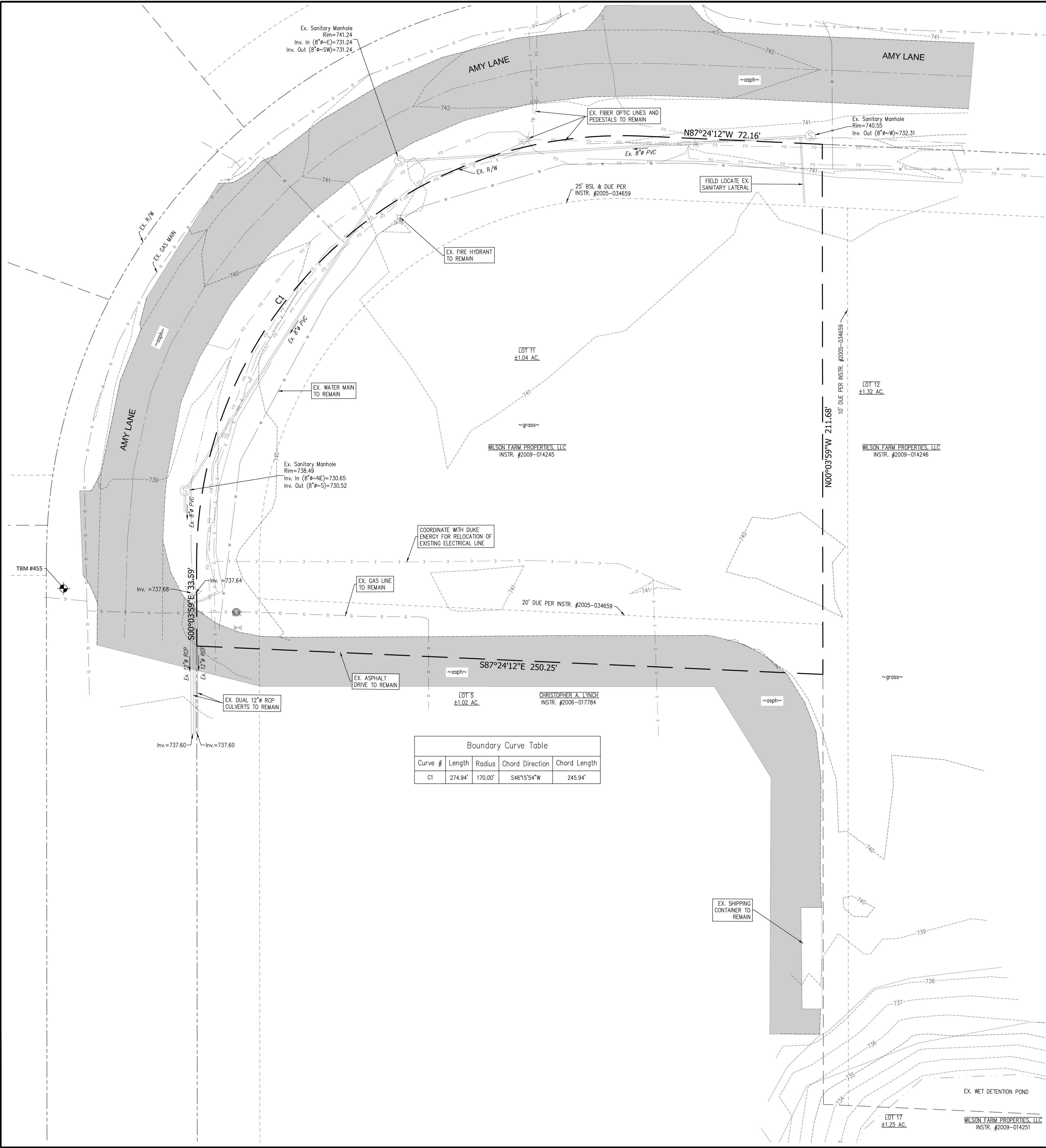
TOPOGRAPHICAL SURVEY

HURRICANE INDUSTRIAL PARK - LOT 11

JOB NO.	DRANK	LMC/KCF	DMS	DESIGNED	APPR.	CU
DATE	DECEMBER 5, 2019					



Derek M. Snyder



BENCHMARK INFORMATION

THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) WAS ASCERTAINED FROM UIC5 AND GS SECOND ORDER BENCHMARK DNR TBM HC 8 A 1988
 DESIGNATION - DNR TBM HC 8 A 1988
 VERT. ORDER - SECOND
 DESCRIPTION:
 DNR TBM HC 8 A 1988
 IN JOHNSON COUNTY, FRANKLIN QUADRANGLE, IN THE NE 1/4 OF SECTION 13, TOWNSHIP 12 NORTH, RANGE 4 EAST, 2nd P.M.; AT FRANKLIN; AT THE 100 NORTH ROAD BRIDGE OVER HURRICANE CREEK; SET IN THE TOP OF THE NORTHEAST CONCRETE WINGWALL OF THE BRIDGE, 15.2 FEET NORTH OF THE CENTERLINE OF THE ROAD, 1.2 FEET NORTH OF THE NORTH FACE OF THE BRIDGE DECK, 0.9 FOOT EAST OF THE WEST FACE OF THE WINGWALL, 0.8 FOOT SOUTH OF THE NORTH FACE OF THE WINGWALL, 0.3 FOOT BELOW THE ROAD; A "PK" NAIL SET IN A DRILL HOLE, INSIDE A CUT CIRCLE.
 ELEV.=730.449 (NGVD 29)
 TBM #455
 CUT SQUARE ATOP CONCRETE END SECTION
 ELEV.=738.08

FLOODPLAIN INFORMATION

BY GRAPHIC PLOTTING ONLY, THIS TRACT OF LAND DESCRIBED HEREON LIES WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AND IS NOT 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. 18081C0231D, WHICH BEARS AN EFFECTIVE DATE OF AUGUST 02, 2007.

LEGAL DESCRIPTION

PER INSTR. #2009-014245
 LOT 11 IN HURRICANE INDUSTRIAL PARK, SECTION 3, AS PER PLAT THEREOF, RECORDED DECEMBER 14, 2005, IN PLAT BOOK D, PAGE 619 A&B, AS INSTRUMENT NO. 2005-034659 IN THE OFFICE OF THE RECORDER OF JOHNSON COUNTY, INDIANA.

TOPOGRAPHICAL NOTES

1. CONTRACTOR SHALL DISPOSE OF ALL MATERIALS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
2. UTILITIES ARE GRAPHICAL REPRESENTATION PER SURVEY AND MAPPING. CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.

EXISTING LEGEND

POWERPOLE	CONTOURS
POWERPOLE W/RISER	PROPERTY LINE
POWERPOLE W/LIGHT	EASEMENT LINE
LIGHT POLE	RIGHT-OF-WAY
ELECTRIC METER	ADJONER LINE
ELECTRIC BOX	PAVEMENT LINE
YARD LIGHT	FIELD LINE
GUIDE WIRE	DITCH
TELEPHONE MANHOLE	GAS LINE
TELEPHONE RISER	TELEPHONE LINE
WATER VALVE	WATER LINE
FIRE HYDRANT	FIBER OPTIC LINE
WELL	ELECTRIC LINE
WATER MANHOLE	TREE LINE
WATER METER	SANITARY SEWER
GAS VALVE	W/MANHOLE
GAS VALVE	STORM SEWER
CABLE TV RISER	W/MANHOLE
CLEANOUT	END SECTION
SIGN	
MAILBOX	
STORM ROUND INLET	
STORM CURB INLET	
RIGHT-OF-WAY MARKER	
TREE, BUSH & STUMP	
TEMP. BENCHMARK	
MONUMENT FOUND	

EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE FOR 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.

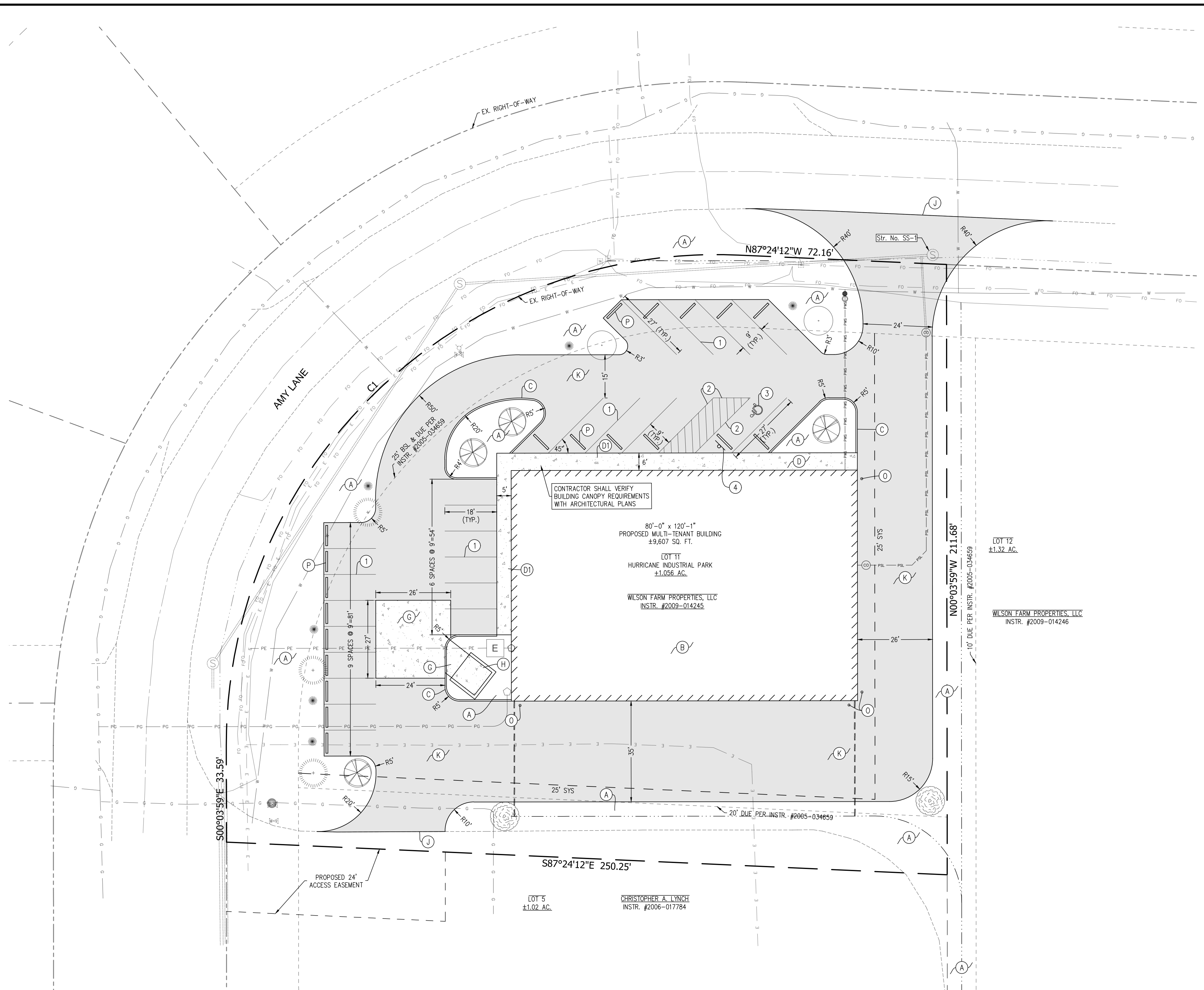
UTILITIES

- 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: SALLY BROWN
EMAIL: sbrown@franklin.in.gov | WATER
INDIANA AMERICAN WATER
153 N. EMERSON AVENUE
GREENWOOD, IN 46143
PHONE: (317) 893-3560
CONTACT: ADAM BOONE
EMAIL: adam.boone@iawater.com | FIBER OPTIC
CENTURY LINK
50 N. JACKSON STREET
FRANKLIN, IN 46131
PHONE: (317) 736-4863
CONTACT: EDDIE FIELDS
EMAIL: paul.e.fields@centurylink.com |
| GAS
VECTREN ENERGY
600 INDUSTRIAL DRIVE
FRANKLIN, IN 46131
PHONE: (765) 287-2150
CONTACT: MOSTAFA KHALILAD
EMAIL: mostafa.khalilad@centerpointenergy.com | FIRE DEPARTMENT
CITY OF FRANKLIN FIRE DEPARTMENT
1800 THORNBURO LANE
FRANKLIN, IN 46131
PHONE: (317) 736-3650
CONTACT: BRNE PURSPULL
EMAIL: bpurspull@franklin.in.gov | METRONET
8036 COLE WOOD BLVD.
INDIANAPOLIS, IN 46239
PHONE: (317) 809-8067
CONTACT: DOUG RECKART
EMAIL: doug.reckart@metronetinc.com |
| | | ELECTRIC
DUKE ENERGY (SERVICE)
2515 N. MORTON STREET
FRANKLIN, IN 46131
PHONE: (317) 736-2017
CONTACT: TAYLOR AUSTIN
EMAIL: taylor.austin@duke-energy.com |

NOTE: The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantee 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.

Curve #	Length	Radius	Chord Direction	Chord Length
C1	274.94'	170.00'	S46°15'54"W	245.94'





Boundary Curve Table

Curve #	Length	Radius	Chord Direction	Chord Length
C1	274.94'	170.00'	S46°15'54"W	245.94'

EXISTING LEGEND

POWERPOLE	CONTOURS
POWERPOLE W/ RISER	PROPERTY LINE
LIGHT POLE	EASEMENT LINE
ELECTRIC METER	RIGHT-OF-WAY
ELECTRIC BOX	ADJOINER LINE
YARD LIGHT	PAVEMENT LINE
GUIDE WIRE	FIELD LINE
TELEPHONE MANHOLE	DITCH
TELEPHONE RISER	GAS LINE
WATER VALVE	TELEPHONE LINE
FIRE HYDRANT	WATER LINE
WATER MANHOLE	FIBER OPTIC LINE
GAS VALVE	ELECTRIC LINE
CABLE TV RISER	TREE LINE
CLEANOUT	SANITARY SEWER W/MANHOLE
SIGN	STORM SEWER W/MANHOLE
MAILBOX	END SECTION
STORM ROUND INLET	
STORM CURB INLET	
RIGHT-OF-WAY MARKER	
TREE, BUSH & STUMP	
TEMP. BENCHMARK	
MONUMENT FOUND	

SITE DIMENSION LEGEND

(A)	MULCH SEEDING/LANDSCAPE AREAS
(B)	STRUCTURE FOUNDATION - PER BUILDING PLANS
(C)	STRAIGHT CONCRETE CURB (SEE DETAIL-SHEET 800)
(D)	4" CONCRETE SIDEWALK (SEE DETAIL-SHEET 800)
(E)	MONOLITHIC CONCRETE CURB AND SIDEWALK (SEE DETAIL-SHEET 800)
(G)	TYPICAL CONCRETE SECTION 6" PORTLAND CEMENT CONCRETE PAVEMENT ON 7" COMPACTED AGGREGATE #53 ON COMPACTED SUBGRADE (SEE DETAIL-SHEET 800)
(H)	TRASH ENCLOSURE (SEE DETAIL-SHEET 800)
(J)	SAWOUT
(K)	TYPICAL ASPHALT SECTION 1.5" HMA SURFACE TYPE 'B' 9.5mm, ON 3.5" HMA INTERMEDIATE TYPE 'B' 19.0mm, ON 8" COMPACTED AGGREGATE #53, ON COMPACTED SUBGRADE (SEE DETAIL-SHEET 800)
(O)	PIPE BOLLARD (SEE DETAIL-SHEET 800)
(P)	CONCRETE PARKING BARRIER (SEE DETAIL-SHEET 800)
(1)	LINE, PAINTED, SOLID WHITE, 4"
(2)	LINE, PAINTED, SOLID BLUE, 4"
(3)	HANDICAP SYMBOL, PAINTED, SOLID BLUE, 4" (SEE DETAIL-SHEET 800)
(4)	SIGNAGE (SEE DETAIL THIS SHEET)

PROPOSED LEGEND

PROPERTY LINE	
SECTION LINE	
SETBACK LINE	
EASEMENT LINE	
DITCH LINE	
SANITARY SEWER LATERAL WITH CLEANOUT	
ROOF DRAIN	
ELECTRIC LINE	
WATER SERVICE LINE	
GAS LINE	
WATER VALVE	
ELECTRIC TRANSFORMER	
SIGN	

PARKING ANALYSIS

INDUSTRIAL USE	=	5 EMP./TENANT
EMPLOYEES	=	1 SPCS/EMPL.
REQUIRED RATIO	=	20 SPACES
TOTAL REQUIRED SPACES	=	25 SPACES
STANDARD PARKING SPACES	=	25 SPACES
HANDICAP ACCESSIBLE SPACES	=	1 SPACES
TOTAL PROPOSED PARKING SPACES	=	26 SPACES

SITE DIMENSION NOTES

- THE BUILDING FOOTPRINT SHOWN HEREON IS BASED ON ARCHITECTURAL DRAWINGS DATED MARCH 30, 2019 WHICH WERE PROVIDED AND PREPARED BY AVERA COMMERCIAL, LLC. CONTRACTOR SHALL VERIFY BUILDING DIMENSIONS, DOOR LOCATIONS, UTILITY SERVICE REQUIREMENTS, ETC. WITH AVERA COMMERCIAL PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY ENGINEER, IF PROOF ROLL OF SUBGRADE FAILS, TO DETERMINE F. LINE STABILIZATION OF SUBGRADE IS NECESSARY.
- ALL RADI DIMENSIONS ARE TO THE FACE OF PROPOSED CURB OR EDGE OF PAVEMENT.
- SIGNAGE SHALL INCLUDE ALL NECESSARY HARDWARE AND FITTINGS, INCLUDING 10 FT. OF 11 GAUGE FLANGED CHANNEL SIGN POST.
- REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL SIGNAGE. VERIFY CONFLICTS WITH OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
- CONTRACTOR SHALL VERIFY ALL NECESSARY REQUIREMENTS FOR TRASH ENCLOSURE WITH OWNER AND/OR ARCHITECT PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANY AND BUILDING PLANS FOR WATER, CABLE, ELECTRIC, GAS, AND TELEPHONE CONNECTION SERVICE POINTS.
- 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 SIZES 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.

SIGNAGE DETAILS (4)

NOT TO SCALE



DEK M. SNYDER
 REGISTERED ENGINEER
 NO. 1120008
 STATE OF INDIANA
 PROFESSIONAL

Derek M. Snyder

NO.	DATE	BY	APPR.	DESIGNED	DMS	LWC/KLF	DRAWN	CHECKED	TEN	CJJ

SHEET 300

UTILITY PLAN

HURRICANE INDUSTRIAL PARK - LOT 11

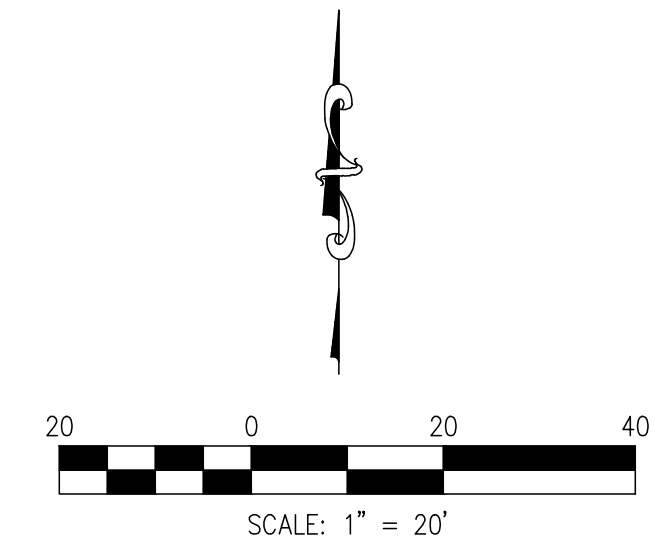
JOB No.	DATE	DESIGNED	DMS	CHECKED	TEN	C/J
	DECEMBER 5, 2019					

UTILITIES NOTES

1. THE UTILITY SERVICE POINT ENTRY LOCATIONS SHOWN HEREON ARE CONCEPTUAL. THE CONTRACTOR SHALL VERIFY ALL SERVICE POINTS WITH THE UTILITY COMPANY, ARCHITECT AND AVERA COMMERCIAL, LLC PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL CONFIRM DOMESTIC WATER METER REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE LOCATION AND SIZE, WITH THE ARCHITECT AND INDIANA AMERICAN WATER COMPANY (IAWC) PRIOR TO CONSTRUCTION.
3. WATER SERVICE, METER PIT AND METER INSTALLATIONS SHALL BE IN ACCORDANCE WITH INDIANA AMERICAN WATER COMPANY (IAWC) STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL CONTACT IAWC (1-800-492-8373) FOR NEW SERVICE REQUEST AND WATER METER APPLICATION.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
5. CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES AND BUILDING PLANS FOR WATER, CABLE, ELECTRIC, AND TELEPHONE CONNECTION SERVICE POINTS.
6. ALL FIELD TILES DISTURBED DURING CONSTRUCTION MUST BE REPAIRED/CONNECTED TO NEW DRAINAGE FACILITIES.
7. CONTRACTOR SHALL VERIFY LOCATION OF DOWNSPOUTS WITH THE ARCHITECT PRIOR TO INSTALLING ROOF DRAIN PIPE. ALL ROOF DRAIN PIPE SHALL BE NON-PERFORATED PVC EQUIPPED WITH ANIMAL GUARDS AT THE OUTLETS.
8. 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.

PROPOSED LEGEND

---	PROPERTY LINE
---	SECTION LINE
---	SETBACK LINE
---	EASEMENT LINE
---	DITCH LINE
⊙	SANITARY SEWER LATERAL WITH CLEANOUT
---	ROOF DRAIN
---	ELECTRIC LINE
---	WATER SERVICE LINE
---	GAS LINE
●	WATER VALVE
○	WATER VALVE
E	ELECTRIC TRANSFORMER
⊙	SIGN



SANITARY STRUCTURE DATA TABLE

STR. NO. SS-1
RECONSTRUCT EXISTING SANITARY SEWER MANHOLE TO GRADE
EX. RIM=740.55
PROP. RIM=741.47

SANITARY LATERAL DATA TABLE

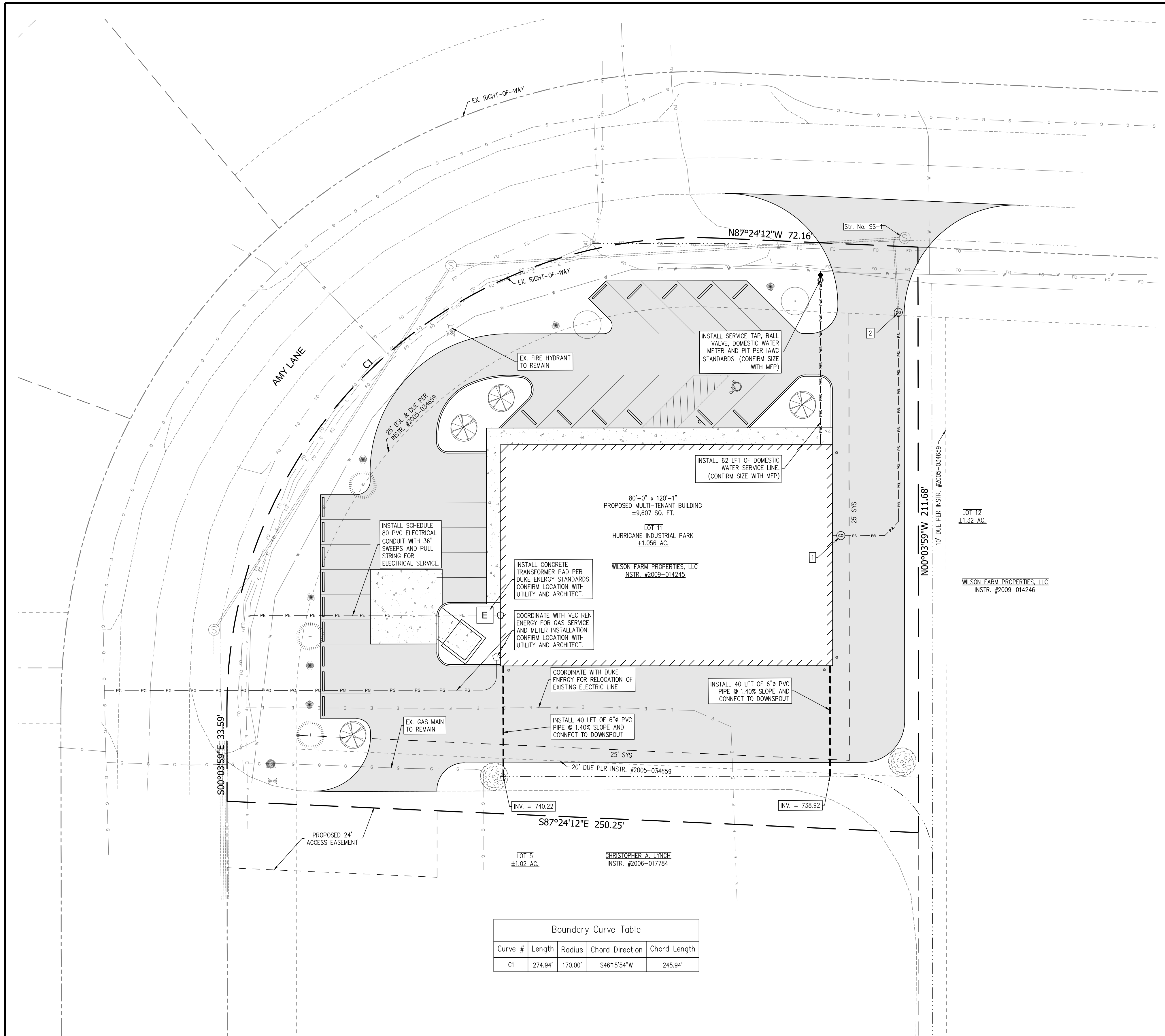
INSTALL SANITARY CLEANOUT AND PVC (SDR-35) SANITARY LATERAL AT 1.50% MIN. SLOPE. CONTRACTOR SHALL CONFIRM LATERAL INVERT AND EXIT LOCATION WITH BUILDING PLANS.

RUN	U.S. INVERT	DIAMETER	LENGTH	SLOPE
1	738.00	6"	100'	1.50%
2	MATCH EXISTING	6"	N/A	MATCH EXISTING

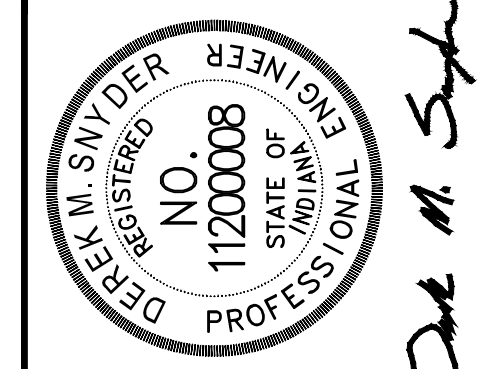
NOTE: CONTRACTOR SHALL INSTALL CLEANOUT #2 AND CONNECT TO EXISTING LATERAL. VERIFY DEPTH PRIOR TO CONSTRUCTION AND REPORT TO ENGINEER IF THE MINIMUM SLOPE CANNOT BE PROVIDED.

Boundary Curve Table

Curve #	Length	Radius	Chord Direction	Chord Length
C1	274.94'	170.00'	S46°15'54"W	245.94'



DIRECTORY PATH : D:\projects\new\Commercial\Hurricane BP - Lot 11\Design\CD\Plans
FILENAME : 400 UTILITY PLAN.dwg
DATE/USER : 12/12/2019 9:36:AM / K99g



Derek M. Snyder

GRADING NOTES

1. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING IN FINAL GRADING OF SITE. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT TO DETERMINE PROPER FOUNDATION EXPOSURE FOR THE BUILDING, HOWEVER, IN NO INSTANCE SHALL DRAINAGE TOWARDS THE BUILDING FOUNDATION BE ALLOWED.
2. CONTRACTOR SHALL NOT ALLOW DRAINAGE FROM PROJECT SITE TO DISCHARGE ONTO ADJACENT PROPERTIES IN FINAL GRADING OF SITE. CONTRACTOR SHALL PLACE A BERM WHERE NECESSARY. SEE DITCH DETAIL (SHEET 800).

GRADING LEGEND

- | | | |
|---------------------|-------------------------|---------------------------------|
| × 860.00 | TOP OF CURB | PROPOSED ELEVATIONS |
| × 859.50 | EDGE OF PAVEMENT | |
| × 860.00 * | FINISH GRADE | PROPOSED ELEVATIONS |
| × 859.50 * | | (TO BE FIELD VERIFIED) |
| × 860.00 * | | |
| F.F. ELEV. = XXX.XX | | PROPOSED FINISH FLOOR ELEVATION |
| --- | PROPOSED DRAINAGE SWALE | |
| --- | EXISTING CONTOURS | |
| --- | PROPOSED CONTOURS | |



BENCHMARK INFORMATION

THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) WAS ASCERTAINED FROM UCS AND GS SECOND ORDER BENCHMARK DNR TBM HC 8 A 1988

DESIGNATION - DNR TBM HC 8 A 1988
VERT. ORDER - SECOND

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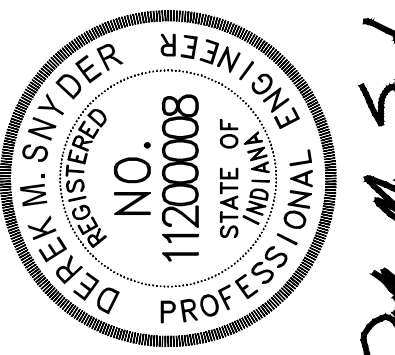
TBM #455
OUT SQUARE ATOP CONCRETE END SECTION

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GRADING PLAN
HURRICANE INDUSTRIAL PARK - LOT 11



Derek M. Snyder

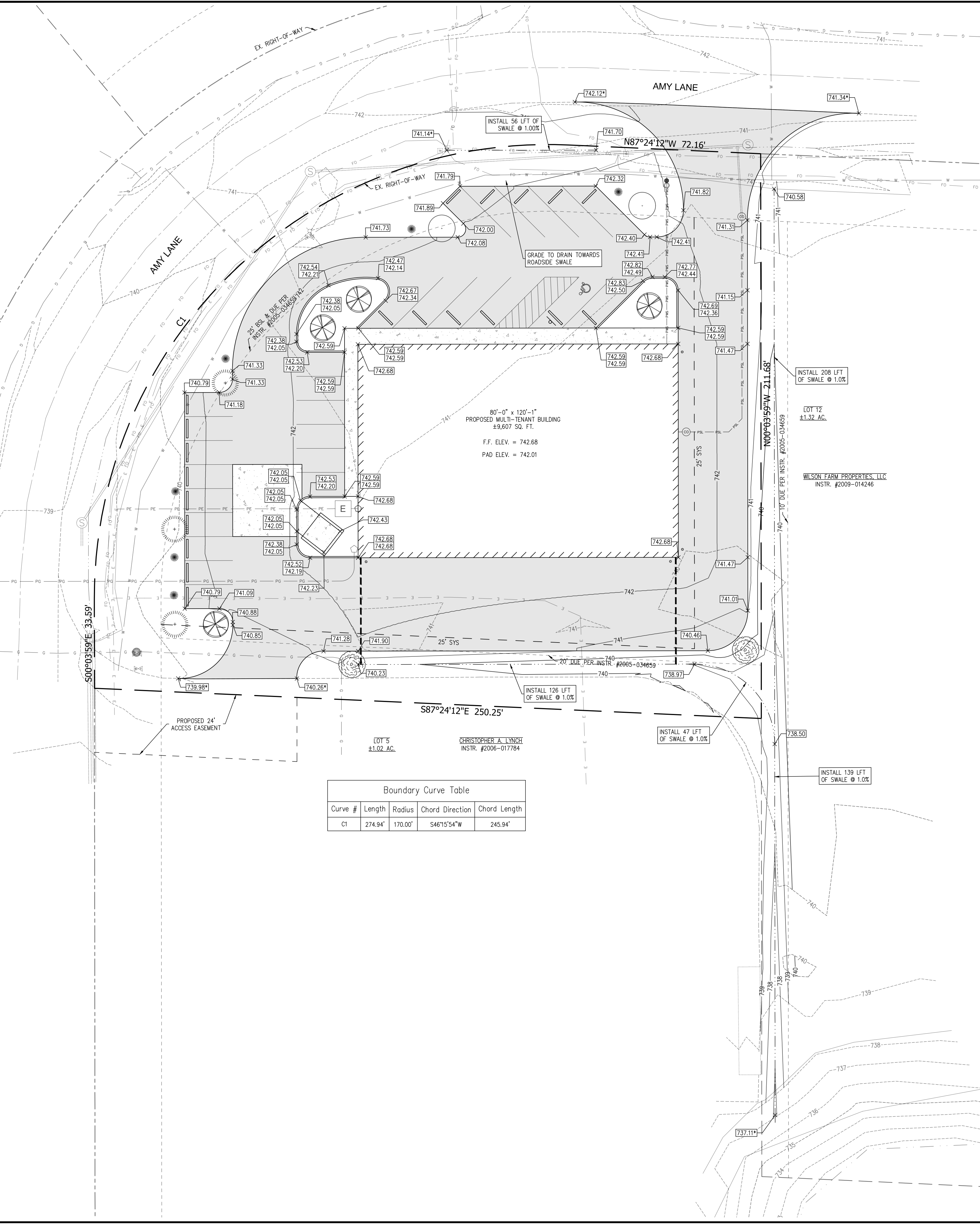


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PLOTTED BY : JTS

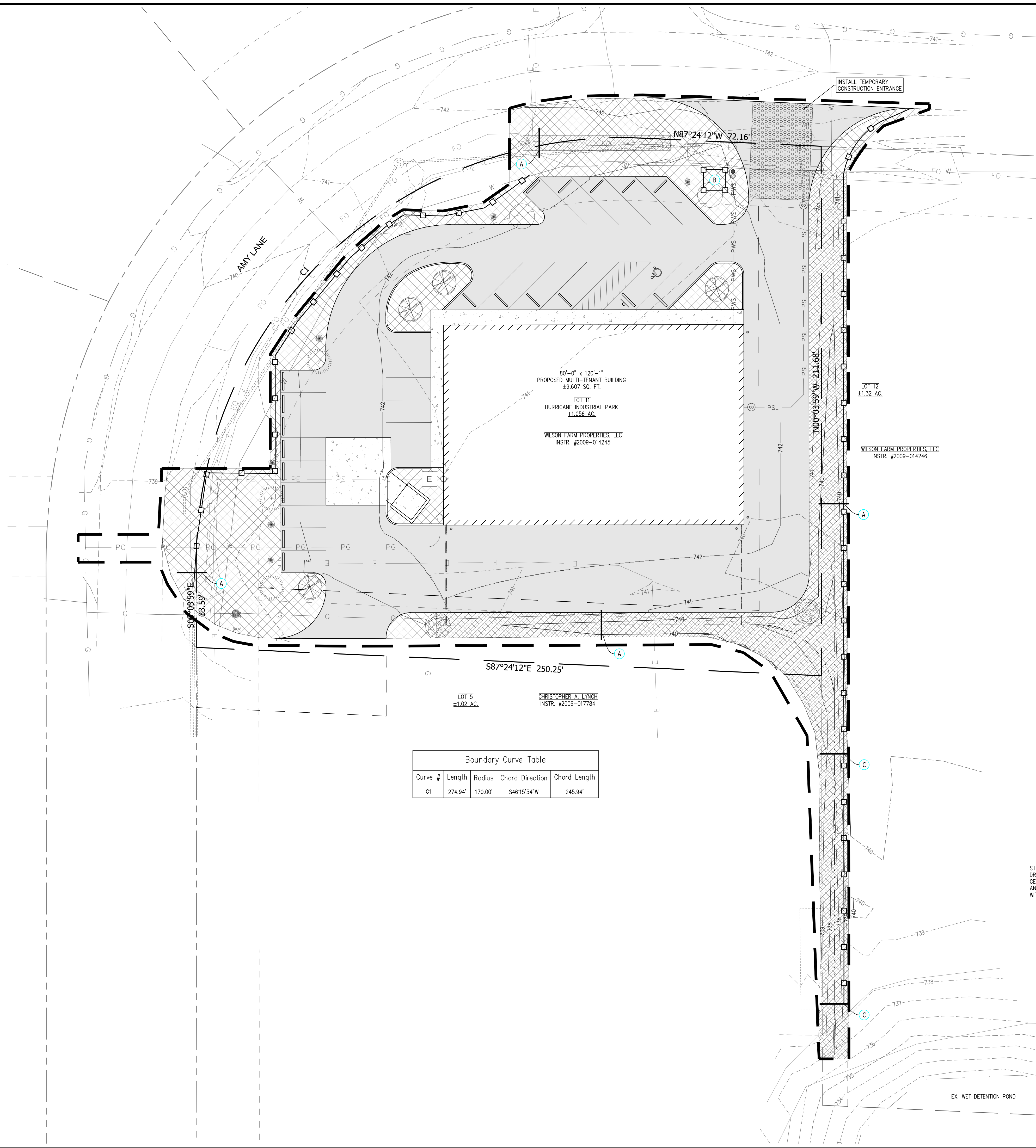
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Boundary Curve Table

Curve #	Length	Radius	Chord Direction	Chord Length
C1	274.94'	170.00'	S46°15'54"W	245.94'

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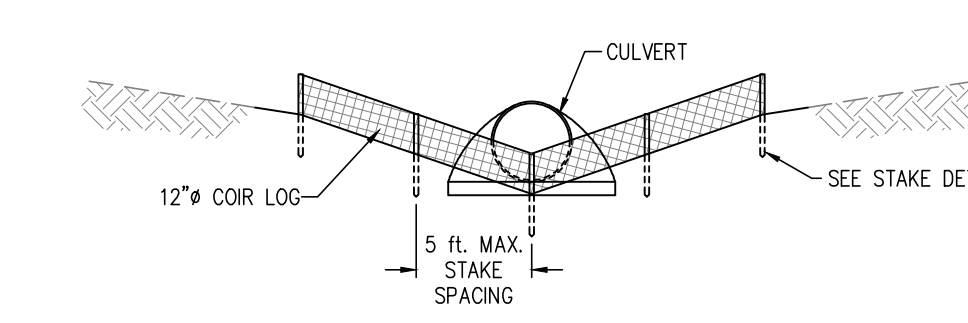
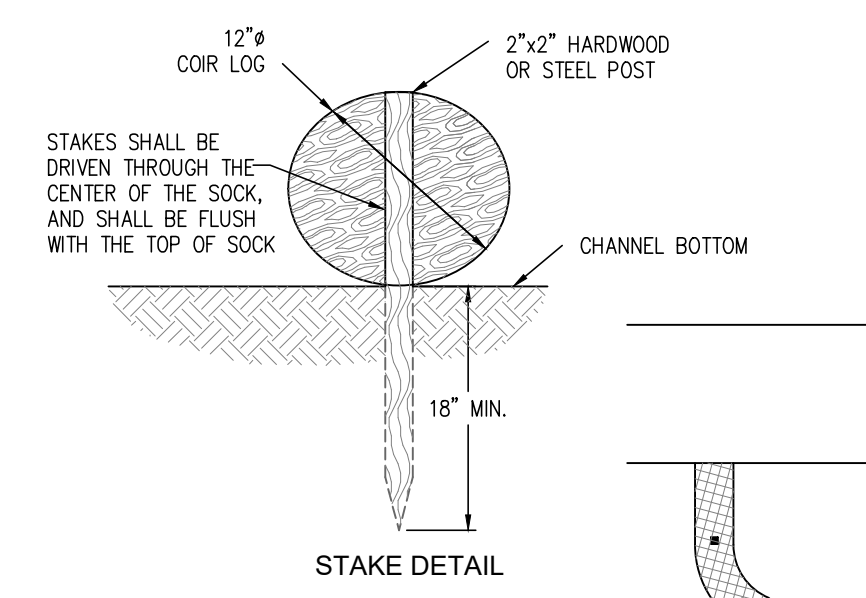
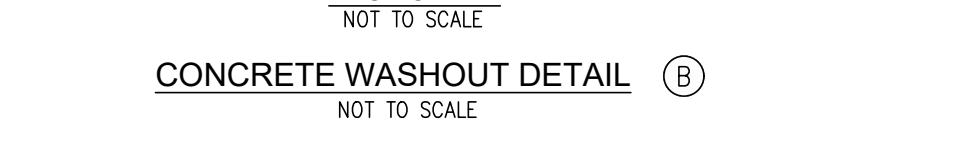
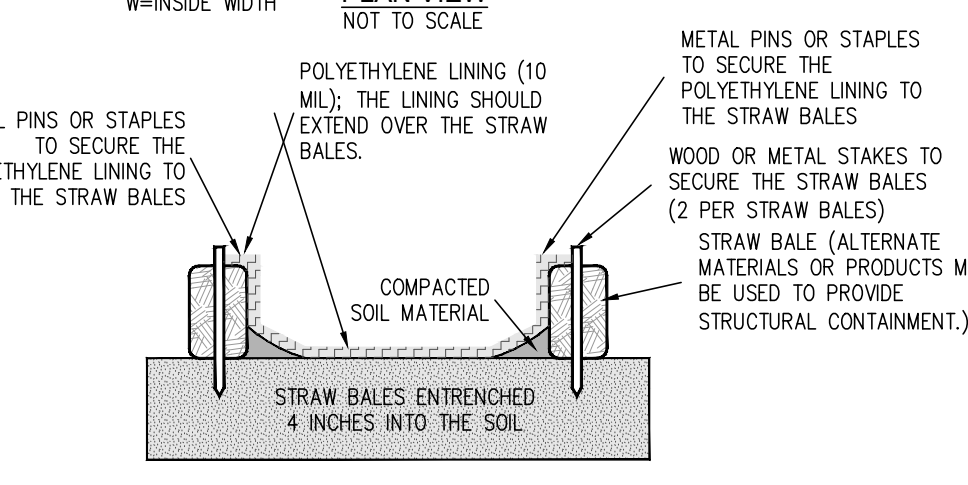
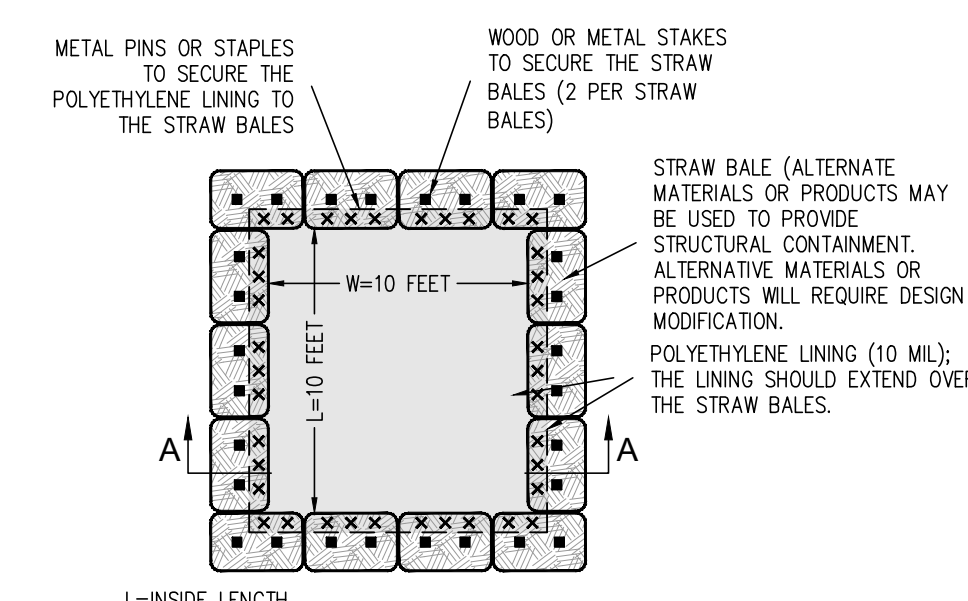
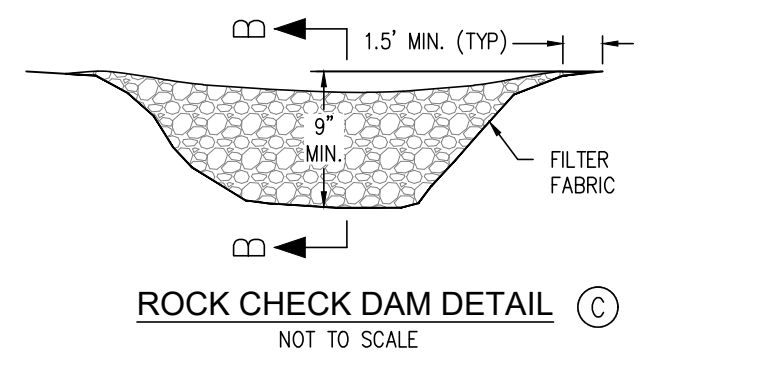
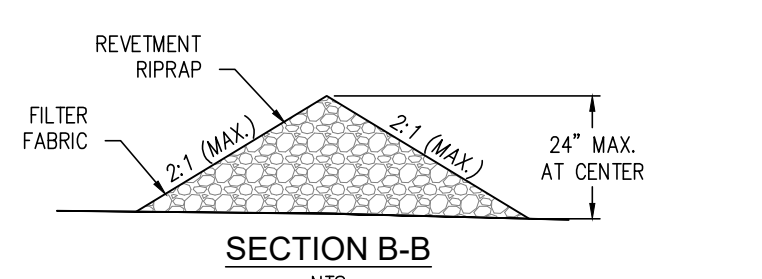
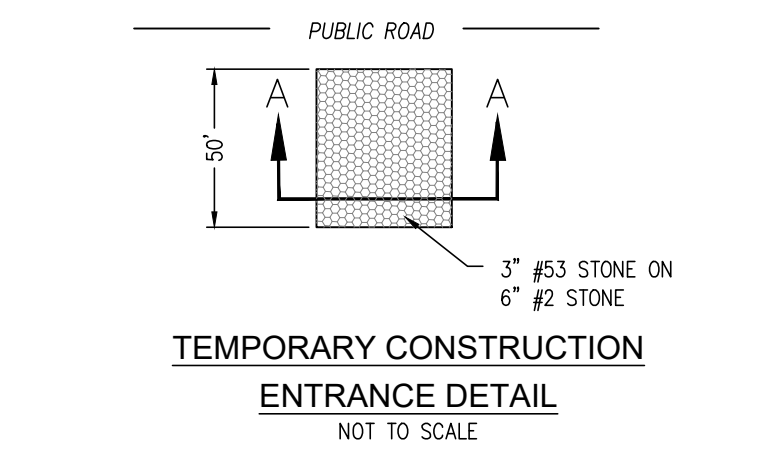
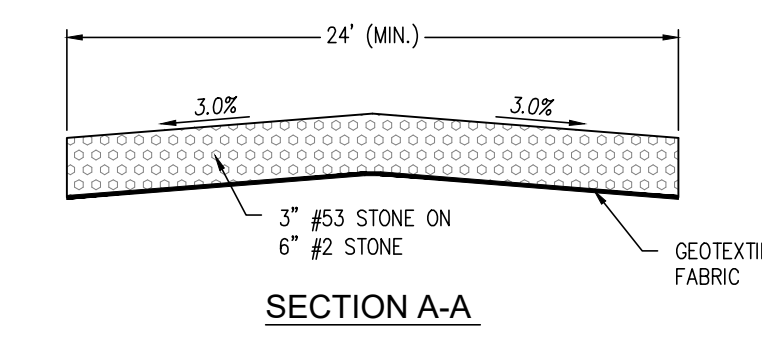
Boundary Curve Table

Curve #	Length	Radius	Chord Direction	Chord Length
C1	274.94'	170.00'	S46°15'54"W	245.94'

EROSION CONTROL LEGEND

- MULCHED SEEDING
- EROSION CONTROL BLANKET (NORTH AMERICAN GREEN SC-150 OR EQUAL) AND MULCHED SEEDING
- CONSTRUCTION ENTRANCE (SEE DETAIL-THIS SHEET)
- EXISTING CONTOURS
- PROPOSED CONTOURS
- SILT FENCE SLOPE CHECK (NOTE: 3 NWS-6 OR APPROVED EQUAL)
- CONSTRUCTION LIMITS
- FILTER TUBE/COIR LOG (SEE DETAIL-THIS SHEET)
- CONCRETE WASHOUT AREA (SEE DETAIL-THIS SHEET)
- ROCK CHECK DAM (SEE DETAIL-THIS SHEET)

- ### EROSION CONTROL NOTES
- THE TOTAL LAND DISTURBANCE FOR THIS PROJECT IS APPROXIMATELY _____ ACRES.
 - ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, COUNTY, OR LOCAL OFFICIALS.
 - ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR.
 - THERE SHALL BE NO DIRT, DEBRIS, OR STORAGE OF MATERIALS IN THE STREET.
 - STAGING AREA TO INCLUDE NOI POSTING, PORT-O-LETS, TRASH CONTAINER, AND FUELING TANKS. CONTRACTOR TO SELECT SUITABLE LOCATION FOR STAGING AREA.
 - ALL PORT-O-LETS MUST BE ANCHORED DOWN TO PREVENT SPLILLS.
 - A TRAINED INDIVIDUAL MUST PERFORM AN INSPECTION ONCE A WEEK AND AFTER 3" OR MORE RAIN EVENT. A LOG OF THE INSPECTION REPORTS MUST BE KEPT AND MADE AVAILABLE TO THE TOWN INSPECTOR UPON REQUEST.
 - ALL EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE INDIANA STORM WATER QUALITY MANUAL.
 - TEMPORARY MULCHED SEEDING SHALL BE UTILIZED IN AREAS LEFT UNDISTURBED FOR MORE THAN 7 DAYS.
 - CONTRACTOR SHALL INSTALL ALL REQUIRED EROSION CONTROL MEASURES MAY BE REQUIRED BY THE APPROXIMATE AUTHORITY IN THE FIELD.



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

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



PROFESSIONAL ENGINEERS & TRANSPORTATION DEVELOPMENT CONSULTANTS
 1225 W. WASHINGTON ST. SUITE 100
 COVINGTON, INDIANA 46030
 TEL: 765.834.1100
 WWW.COVINGTONENGINEERS.COM

600 SHEET

EROSION CONTROL PLAN

HURRICANE INDUSTRIAL PARK - LOT 11

NO.	DATE	REVISIONS	BY	APPR.	DESIGNED	DRAWN	CHECKED	TEN	CU
1	DECEMBER 5, 2019								

DEREK M. SWYDER
 REGISTERED PROFESSIONAL ENGINEER
 NO. 11200008
 STATE OF INDIANA

DATE: DECEMBER 5, 2019
 JOB NO.:
 LMC/KLF
 DRAWN BY:
 CHECKED BY:
 DESIGNED BY:
 APPROVED BY:

EROSION CONTROL PLAN INDEX

PLAN ELEMENTS

Table with columns: ELEMENT, SHEET, ELEMENT, SHEET, ELEMENT, SHEET, ELEMENT, SHEET. Lists various plan elements and their corresponding sheet numbers.

11 BY 17 INCH PLAT
The 11x17 inch Plat has been submitted to the City of Franklin Stormwater Department.

PROJECT NARRATIVE
The project involves the construction of a 23,607 square foot multi-tenant industrial building on Lot 11 of the Hurricane Industrial Park.

LEGAL DESCRIPTION
The Legal Description of the project site is located in the lower right quadrant of the Stormwater Pollution Prevention Plan (this sheet).

LOCATION OF ALL LOTS AND PROPOSED SITE IMPROVEMENTS
All pertinent lot information is included on the plan view of the Erosion Control Plan (Sheet 600).

RECEIVING WATERS
The ultimate receiving water for this project is Youngs Creek via the Roaring Run ditch.

POTENTIAL DISCHARGES TO GROUND WATER
There are no potential locations where stormwater may enter the groundwater.

WETLANDS, LAKES AND WATER COURSES
There are no potential wetland areas located within the project site, nor shall any potential wetland areas be disturbed as a result of construction.

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STORMWATER POLLUTION PREVENTION - POST CONSTRUCTION

- C1 PROPOSED POLLUTANTS AND SOURCES ASSOCIATED WITH PROPOSED LAND USE
Potential pollutants sources and materials may include the following:
Automobiles - Petroleum Products (e.g. gasoline, oil/grease, ATF, etc.), Hydrocarbons, Antifreeze, Trace Metals, etc.
Stormwater Runoff - Sediment, nutrients and chemicals (e.g. fertilizers, pesticides, etc)
Trash Service - Trash and debris, chemicals

- C2 STORMWATER QUALITY MEASURE IMPLEMENTATION
No stormwater quality measures are implemented by construction of the site improvements since the existing wet detention pond provides stormwater quality for the entire subdivision.

- C3 PROPOSED POST CONSTRUCTION STORMWATER QUALITY MEASURES
Post construction stormwater quality measures shall consist of the existing wet detention pond.

- C4 LOCATION, DIMENSIONS, SPECIFICATIONS AND DETAILS OF EACH STORMWATER QUALITY MEASURE
The location of the water quality measure is at the normal pool elevation of the existing wet detention pond and the outlet control structure.

- C5 MAINTENANCE GUIDELINES OF POST CONSTRUCTION STORMWATER QUALITY MEASURES
The existing wet detention pond and outlet structure shall be inspected quarterly and after major rain events for any blockages in accordance with subdivision covenants and restrictions.

- MONITORING AND MAINTENANCE GUIDELINES
GRAVEL CONSTRUCTION DRIVE AND PARKING AREA
A. Inspect daily and after each storm event. Immediately remove mud and sediment tracked or washed onto public roads.

- TEMPORARY AND PERMANENT SEEDING
A. Inspect seeding within 24 hours of each rain event and at least once every seven calendar days until vegetation is established.

- MULCHING
A. Inspect within 24 hours of each rain event to check for movement of mulch or for erosion.

- EROSION CONTROL BLANKETS
A. Inspect within 24 hours of each rain event and at least once every seven calendar days. Check for erosion or displacement of the blanket.

- SILT FENCE
A. Inspect within 24 hours of each rain event and at least once every seven calendar days.

- ROCK CHECK DAM
A. Inspect within 24 hours of each rain event and at least once every seven calendar days.

- CONCRETE WASHOUT
A. Concrete washout area shall be installed prior to any concrete placement on site.

- CONSTRUCTION SEQUENCE & SCHEDULE OF EROSION CONTROL IMPLEMENTATION
Schedule a Rule 5 Pre-Construction Meeting with the City of Franklin MS4 Coordinator and the City of Franklin Engineering Department at least 48 hours prior to start of work.

- 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.

- SEEDING
Description and Purpose:
Apply lime to raise the pH to the level needed for species being seeded. Apply 23 lbs of 12-12-12 analysis fertilizer (or equivalent) per 1,000 lbs per acre.

- SOIL TOLERANCE
Description and Purpose:
Soil tolerance (to both soil salts and spray)
S - Slight tolerance
M - Medium tolerance
T - Tolerant

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

- All Erosion Control practices shall be in accordance with the latest edition of the INDIANA STORM WATER QUALITY MANUAL.
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, straw bales, sediment basins, etc. As shown on this plan, if shown on this plan, energy-dissipation devices or Erosion Control at the outfall of the storm sewer system shall be installed at the time of the construction of the outfall.

- 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.

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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. Performing this work offsite can also be economical by eliminating the need for a separate fueling area at a site.

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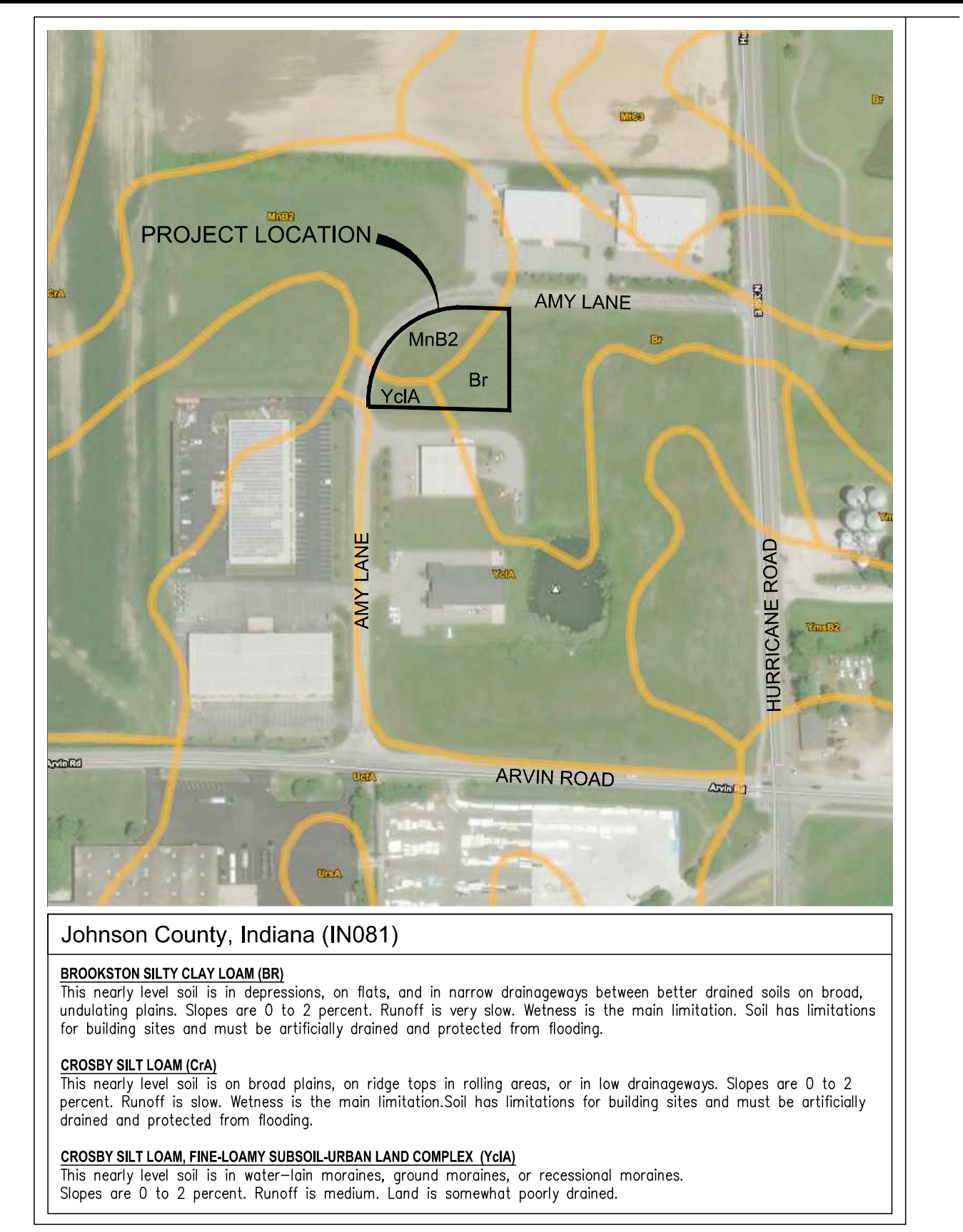
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SOIL MAP AND DESCRIPTION
NOT TO SCALE

Johnson County, Indiana (IN081)
BROOKSTON SILTY CLAY LOAM (BR)
This nearly level soil is in depressions, on flats, and in narrow drainageways between better drained soils on broad, undulating plains. Slopes are 0 to 2 percent. Runoff is very slow. Wetness is the main limitation. Soil has limitations for building sites and must be artificially drained and protected from flooding.

CROSSY SILT LOAM (CA)
This nearly level soil is on broad plains, on ridges top in rolling areas, or in low drainageways. Slopes are 0 to 2 percent. Runoff is slow. Wetness is the main limitation. Soil has limitations for building sites and must be artificially drained and protected from flooding.

CROSSY SILT LOAM, FINE-LOAMY SUBSOIL-URBAN LAND COMPLEX (Yc1A)
This nearly level soil is in water-lain moraines, ground moraines, or recessional moraines. Slopes are 0 to 2 percent. Runoff is medium. Land is somewhat poorly drained.

LEGAL DESCRIPTION

PER INSTR. #2009-014245
LOT 11 IN HURRICANE INDUSTRIAL PARK, SECTION 3, AS PER PLAT THEREOF, RECORDED DECEMBER 14, 2005, IN PLAT BOOK D, PAGE 619 A&B, AS INSTRUMENT NO. 2005-034659 IN THE OFFICE OF THE RECORDER OF JOHNSON COUNTY, INDIANA.

FLOODPLAIN INFORMATION

BY GRAPHIC PLOTTING INFO, THIS TRACT OF LAND DESCRIBED HEREIN LIES WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 100-YEAR ANNUAL CHANCE FLOODPLAIN AND IS AN 0.2% ANNUAL CHANCE FLOOD HAZARD AREA AS PLOTTED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR JOHNSON COUNTY, INDIANA, COMMUNITY PANEL NO. 1808102310, WHICH BEARS AN EFFECTIVE DATE OF AUGUST 02, 2007.

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

PERMANENT SEED MIXTURES
SPECIES SEEDING RATE DATE# PH SITE SUITABILITY
LEVEL AND SLOPING OPEN AREAS TALL FESCUE 35 5.5 - 8.3 2 1 2

PERMANENT SEED MIXTURES
SPECIES SEEDING RATE DATE# PH SITE SUITABILITY
TALL FESCUE 35 5.5 - 8.3 2 1 2

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TALL FESCUE 35 5.5 - 8.3 2 1 2

PROJECT PATH : R:\Active\Avera Commercial\Hurricane BP - Lot 11\Design\CAD\Drawings
DATE USER : 12/26/2019 10:00 AM / MSJ9

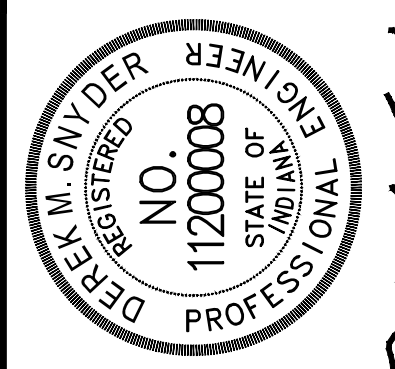
Professional Engineer Seal for Derek M. Snyder, No. 1120008, State of Indiana. Includes project title 'STORMWATER POLLUTION PREVENTION PLAN' and 'HURRICANE INDUSTRIAL PARK - LOT 11'. Revision table with columns for No., Date, and Description.

LANDSCAPE PLAN

HURRICANE INDUSTRIAL PARK - LOT 11

DATE	DESIGNED	DMS	APPR.	CJI
DECEMBER 5, 2019				
JOB NO.	DRAWN	LMC/KLF	CHECKED	TEN

DATE: DECEMBER 5, 2019



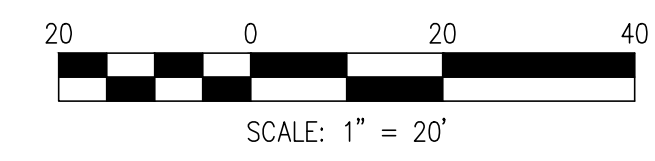
BY: [Signature]

REVISIONS

NO.	DATE
9	
8	
7	
6	
5	
4	
3	
2	
1	

LANDSCAPE NOTES

- CONTRACTOR SHALL REMOVE ALL EXISTING VEGETATION AND STRIP TOPSOIL FOR STOCKPILING. CONTRACTOR SHALL LEAVE ALL PROPOSED LANDSCAPE AREAS SIX INCHES BELOW FINAL GRADE AND SPREAD A LIGHTLY COMPACTED SIX INCH LIFT OF TOPSOIL IN ALL LANDSCAPE AREAS - BRINGING THESE AREAS TO TOP OF CURB/FINAL GRADE (COMPACTED).
- CONTRACTOR SHALL INSTALL THREE INCHES OF SHREDED HARDWOOD BARK MULCH AS A TOP DRESSING FOR ALL TREE RINGS.
- PLANT MATERIALS FROM THE CITY OF FRANKLIN'S "QUALIFYING BROAD LEAF/DECIDUOUS TREES" LIST MAY BE SUBSTITUTED FOR THOSE SHOWN HEREON WITH PRIOR APPROVAL OF 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. TURF AREAS WILL NOT BE ACCEPTED UNTIL THEY ARE AT A MINIMUM OF 1-1/2 INCHES TALL AND NO BARE AREAS LARGER THAN 12 SQUARE INCHES.
- TREES SHALL BE PLANTED AT LEAST TWO AND ONE-HALF FEET (2'-6") FROM SIDEWALK OR CURB EDGE.



LANDSCAPE LEGEND

SHRUBS

DY ● (6) TOTAL - 18" MIN. HEIGHT TAXUS X M 'DENSIFORMIS' DENSE SPREADING YEW

TREES

WH ● (4) TOTAL - 2 1/2" CALIPER CRATAEGUS PHAENOPYRUM WASHINGTON HAWTHORNE

ER ● (3) TOTAL - 2 1/2" CALIPER CERES CANADENSIS EASTERN REDBUD

RO ● (2) TOTAL - 2 1/2" CALIPER QUERCUS BOREALIS RED OAK

BO ● (2) TOTAL - 2 1/2" CALIPER QUERCUS MACROCARPA BURR OAK

GROUND COVER

SEED AND MULCH ±16,259 SQ. FT. LOW MAINTENANCE MIX AS AVAILABLE FROM INDIANA SEED SOLUTIONS 65% TALL FESCUE, 25% PRG, 10% OR FESCUE

PARKING LOT PERIMETER LANDSCAPING
(1 DECIDUOUS/EVERGREEN TREE & 1 SHRUB PER 80 LINEAR FEET OF LANDSCAPE AREA)

LENGTH	TREES REQUIRED	TREES PROVIDED	SHRUBS REQUIRED	SHRUBS PROVIDED
381'	5	5	5	6

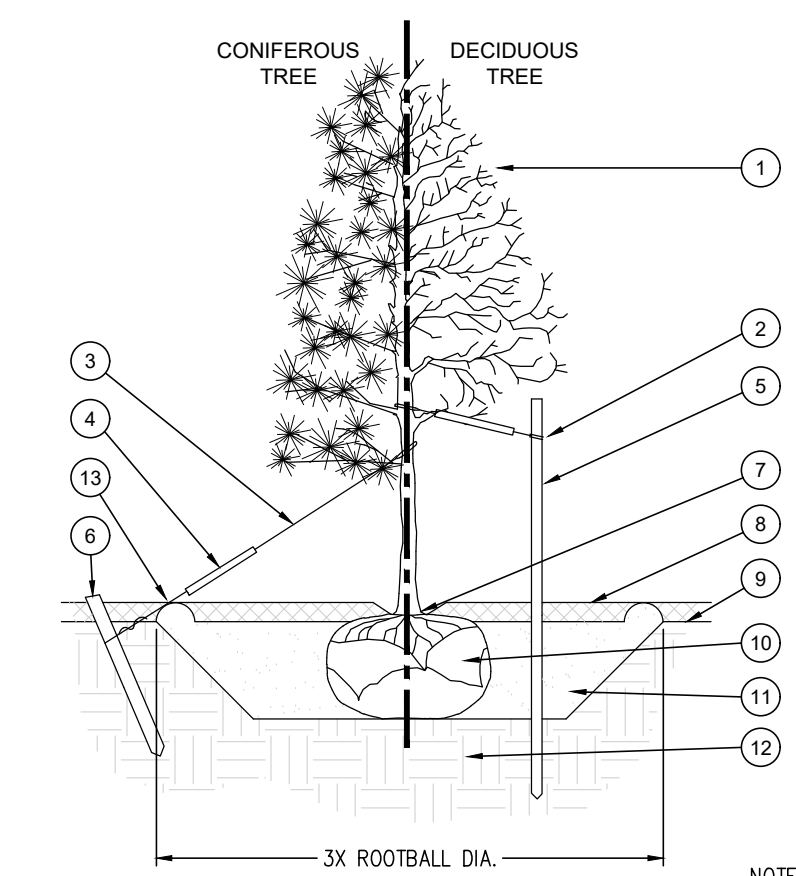
INTERIOR PARKING LOT LANDSCAPING
(5% MIN. INTERIOR PARKING LOT LANDSCAPING W/1 DECIDUOUS TREE PER 300 S.F. LANDSCAPE AREA REQUIRED)

PAVED SURFACE AREA	INTERIOR LANDSCAPE PROVIDED	TREES REQUIRED	TREES PROVIDED
21,076 S.F.	1,380 S.F. (6.6%)	4	4

PROPERTY INTERIOR LANDSCAPING
(1 DECIDUOUS OR EVERGREEN TREE PER 5,000 S.F. YARD AREA REQUIRED)

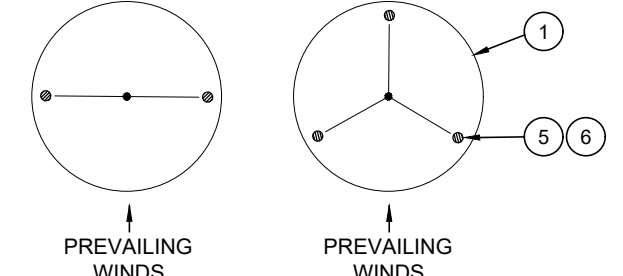
REQUIRED OPEN SPACE	YARD AREA	TREES REQUIRED	TREES PROVIDED
11,503 S.F.	6,313 S.F.	2	2

NOTE: OPEN SPACE CALCULATION BASED ON 75% MAX. LOT COVERAGE. YARD AREA CALCULATION BASED ON OPEN SPACE MINUS INTERIOR LANDSCAPE AND PERIMETER PARKING AREAS PER ORDINANCE.



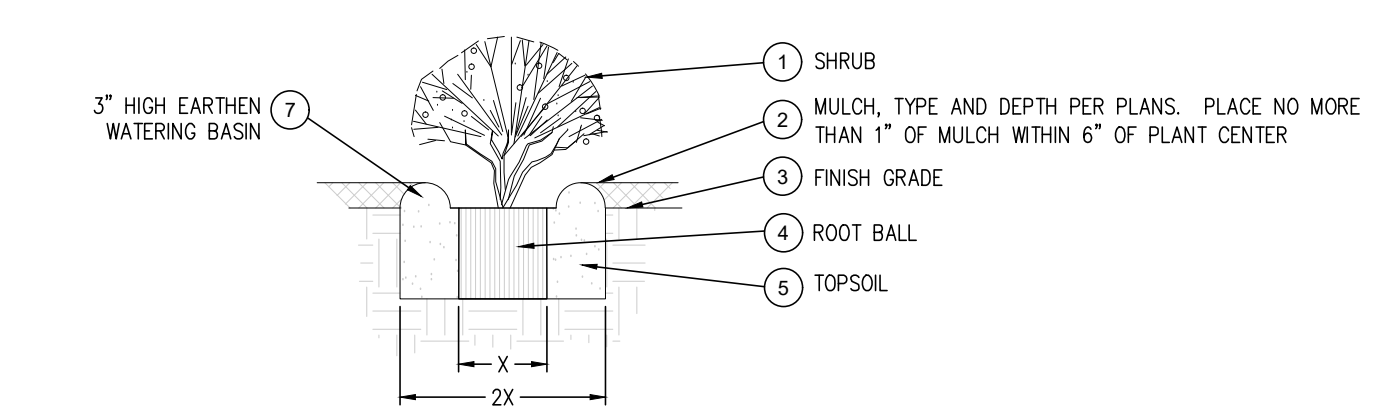
- TREE CANOPY.
- NYLON TREE STRAPS AT ENDS OF WIRES - SECURE TO STAKE OR DEADMAN WITH NAILS.
- 12 GAUGE GALVANIZED WIRE. SECURE TO TRUNK JUST ABOVE LOWEST MAJOR BRANCHES.
- 24" X 3/4" P.V.C. MARKERS OVER WIRES.
- PRESSURE-TREATED WOOD STAKE, 2" DIA. EXTEND STAKES 12" MIN. INTO UNDISTURBED SOIL.
- PRESSURE-TREATED WOOD DEADMAN, TWO PER TREE (MIN.). BURY OUTSIDE OF PLANTING PIT AND 18" MIN. INTO UNDISTURBED SOIL.
- TRUNK FLARE.
- MULCH, TYPE AND DEPTH PER LANDSCAPE PLANS. DO NOT PLACE MULCH WITHIN 6" OF TRUNK.
- FINISH GRADE.
- ROOT BALL.
- BACKFILL.
- UNDISTURBED NATIVE SOIL.
- 4" HIGH EARTHEN WATERING BASIN.

STAKING EXAMPLES (PLAN VIEW)

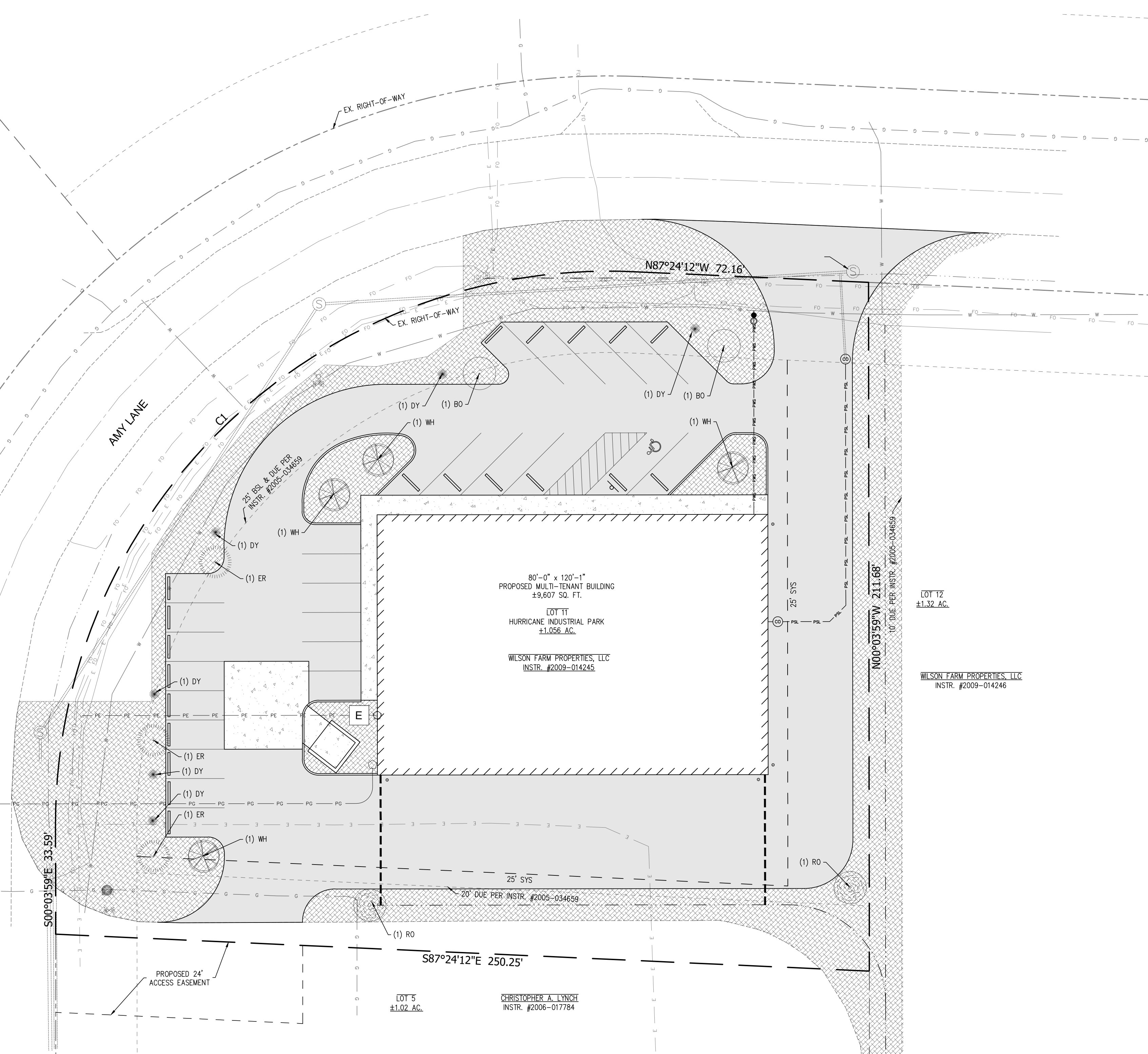


TREE PLANTING DETAILS

NOT TO SCALE



- NOTES:**
- SCARIFY SIDES OF PLANTING PIT PRIOR TO SETTING TREE.
 - REMOVE EXCESS SOIL APPLIED ON TOP OF THE ROOTBALL THAT COVERS THE ROOT FLARE. THE PLANTING HOLE DEPTH SHALL BE SUCH THAT THE ROOTBALL RESTS ON UNDISTURBED SOIL, AND THE ROOT FLARE IS 3"-5" ABOVE FINISH GRADE.
 - CUT OFF BOTTOM 1/3 OF WIRE BASKET BEFORE PLACING TREE IN HOLE. CUT OFF AND REMOVE REMAINDER OF BASKET AFTER TREE IS SET IN HOLE. REMOVE ALL NYLON TIES, TWINE, ROPE, AND OTHER PACKING MATERIAL. REMOVE AS MUCH BURLAP FROM AROUND ROOTBALL AS IS PRACTICAL.
 - TREE WRAP IS NOT TO BE USED ON ANY NEW PLANTINGS, EXCEPT IN LATE FALL PLANTING SITUATIONS, AND ONLY THEN AFTER CONSULTATION WITH THE LANDSCAPE ARCHITECT. WHEN WRAPPING TREE, WRAP FROM TRUNK FLARE TO LOWEST MAJOR BRANCH.
 - REMOVE ALL NURSERY STAKES AFTER PLANTING.
 - FOR TREES OVER 3" CALIPER, USE THREE STAKES OR DEADMAN (AS APPROPRIATE), SPACED EVENLY AROUND TREE.



Boundary Curve Table

Curve #	Length	Radius	Chord Direction	Chord Length
C1	274.94'	170.00'	S46°15'54"W	245.94'

PROPOSED LEGEND

PROPERTY LINE
 SECTION LINE
 SETBACK LINE
 EASEMENT LINE
 DITCH LINE

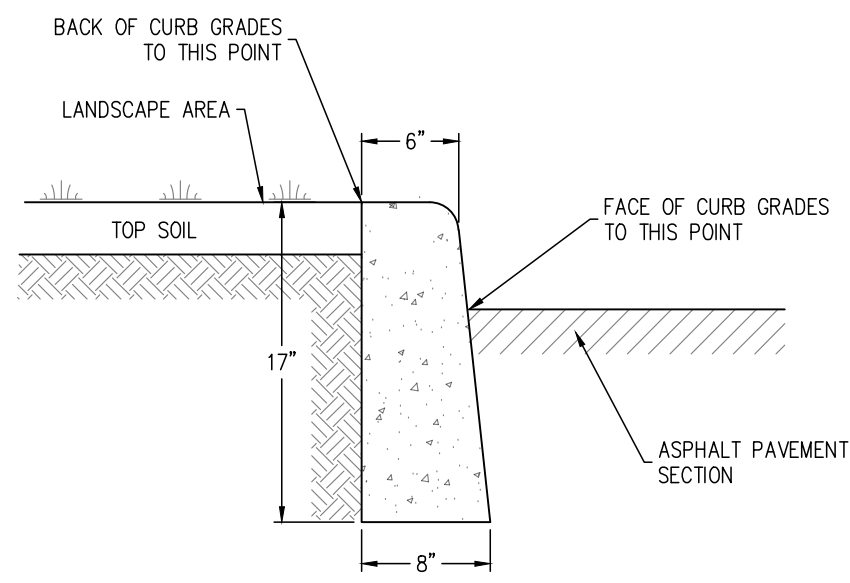
SANITARY SEWER LATERAL WITH CLEANOUT

ROOF DRAIN
 ELECTRIC LINE
 WATER SERVICE LINE
 GAS LINE

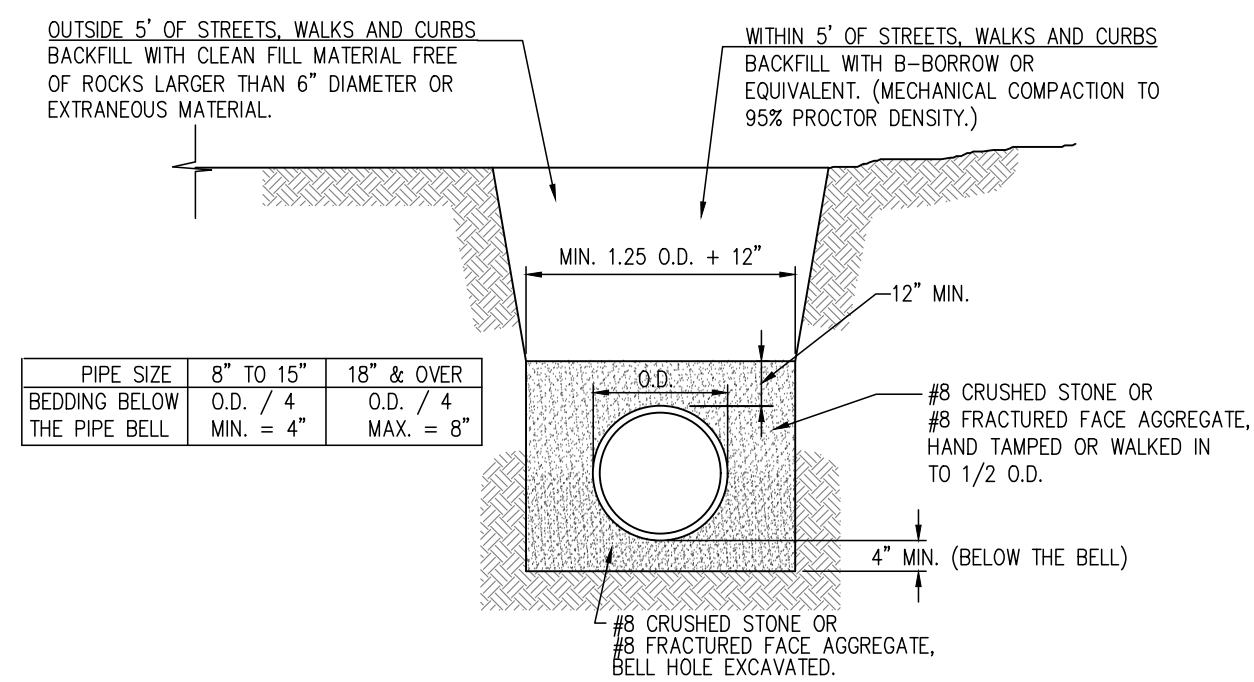
● WATER VALVE
 ○ WATER VALVE
 [E] ELECTRIC TRANSFORMER
 ▽ SIGN



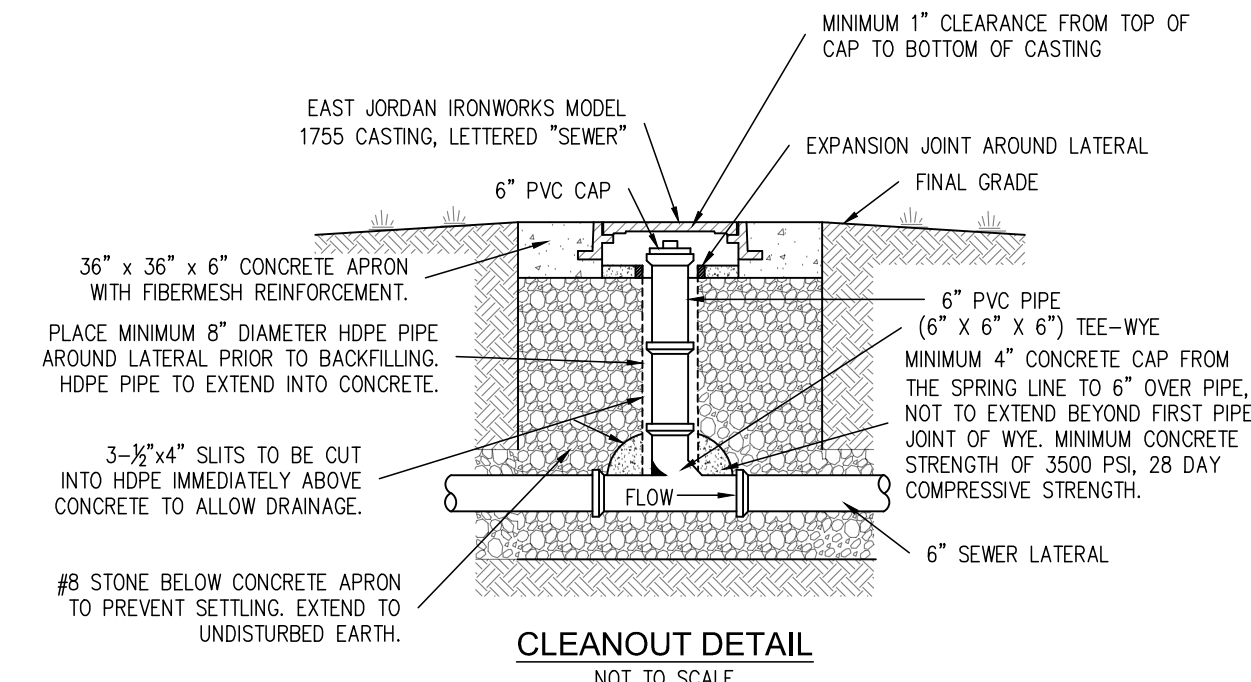
DIRECTORY PATH: D:\Projects\Comm\Projects\Hurricane BP - Lot 11.Dwg\pl\LCD\Plans
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 DATE/TIME: 12/5/2019 10:35:AM / 10/99



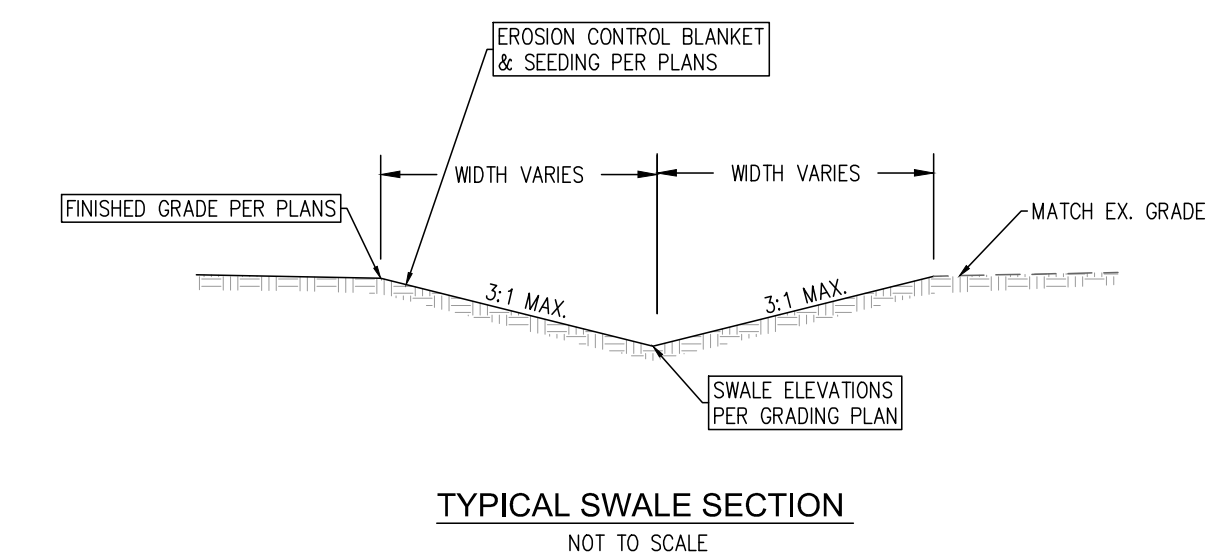
STRAIGHT CONCRETE CURB (C)
NOT TO SCALE



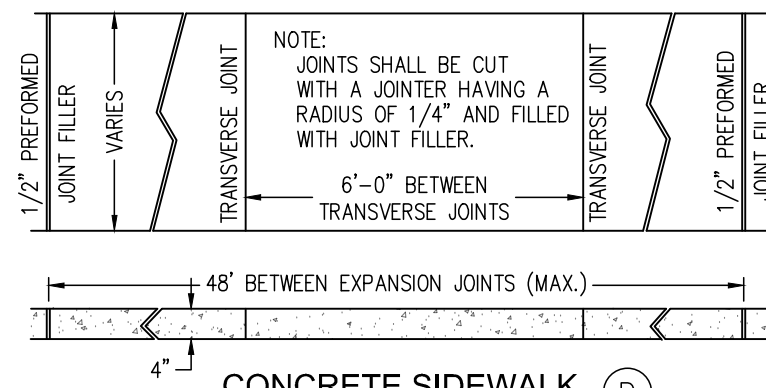
FLEXIBLE PIPE BEDDING DETAIL
PVC AND HDPE PIPE
NOT TO SCALE



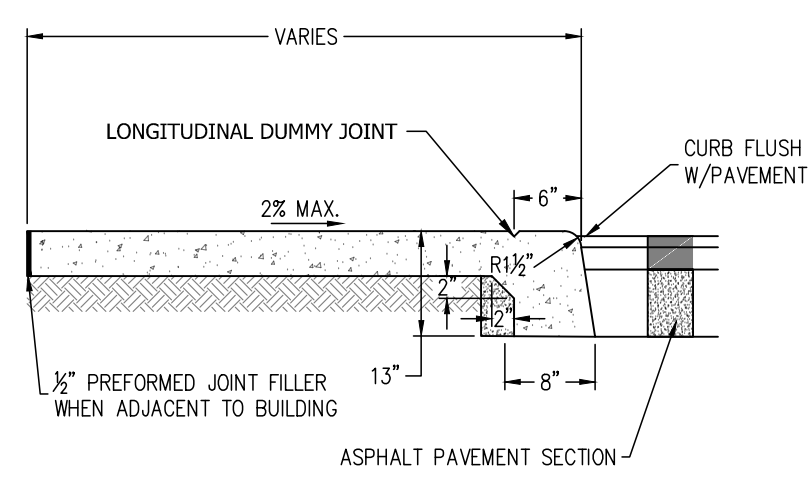
CLEANOUT DETAIL
NOT TO SCALE
(HARDSCAPE SURFACES AND ALL OTHER INSTALLATIONS BEYOND THREE FEET OF BUILDING)



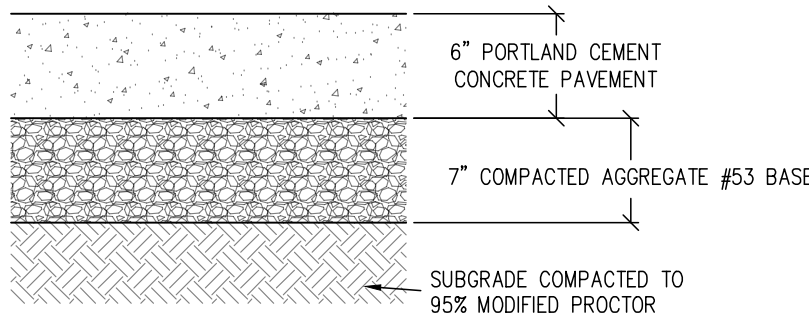
TYPICAL SWALE SECTION
NOT TO SCALE



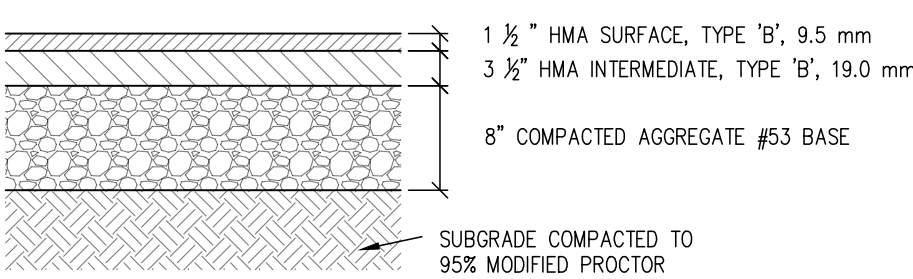
CONCRETE SIDEWALK (D)
NOT TO SCALE



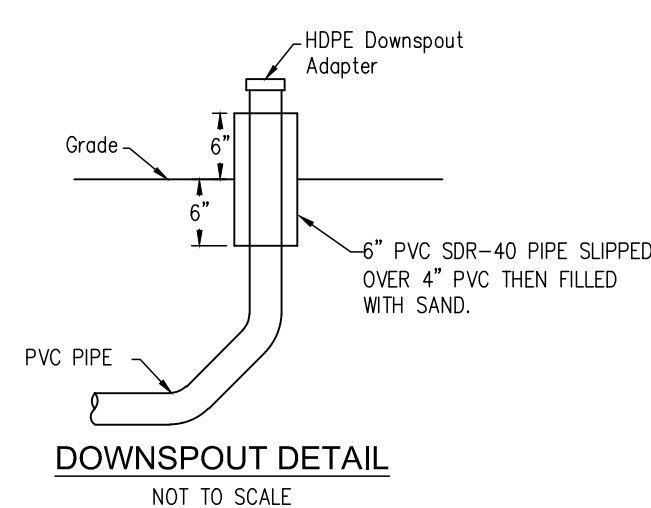
MONOLITHIC CURB AND SIDEWALK (D1)
NOT TO SCALE



TYPICAL CONCRETE PAVEMENT SECTION (G)
NOT TO SCALE

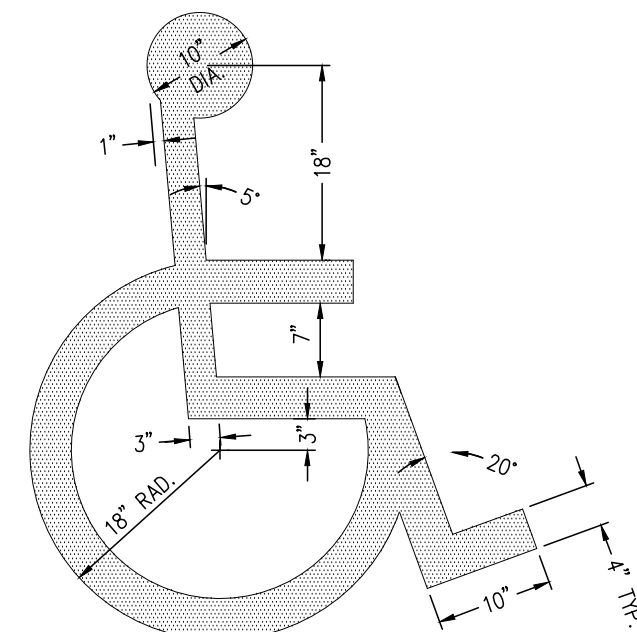


TYPICAL ASPHALT PAVEMENT SECTION (K)
NOT TO SCALE

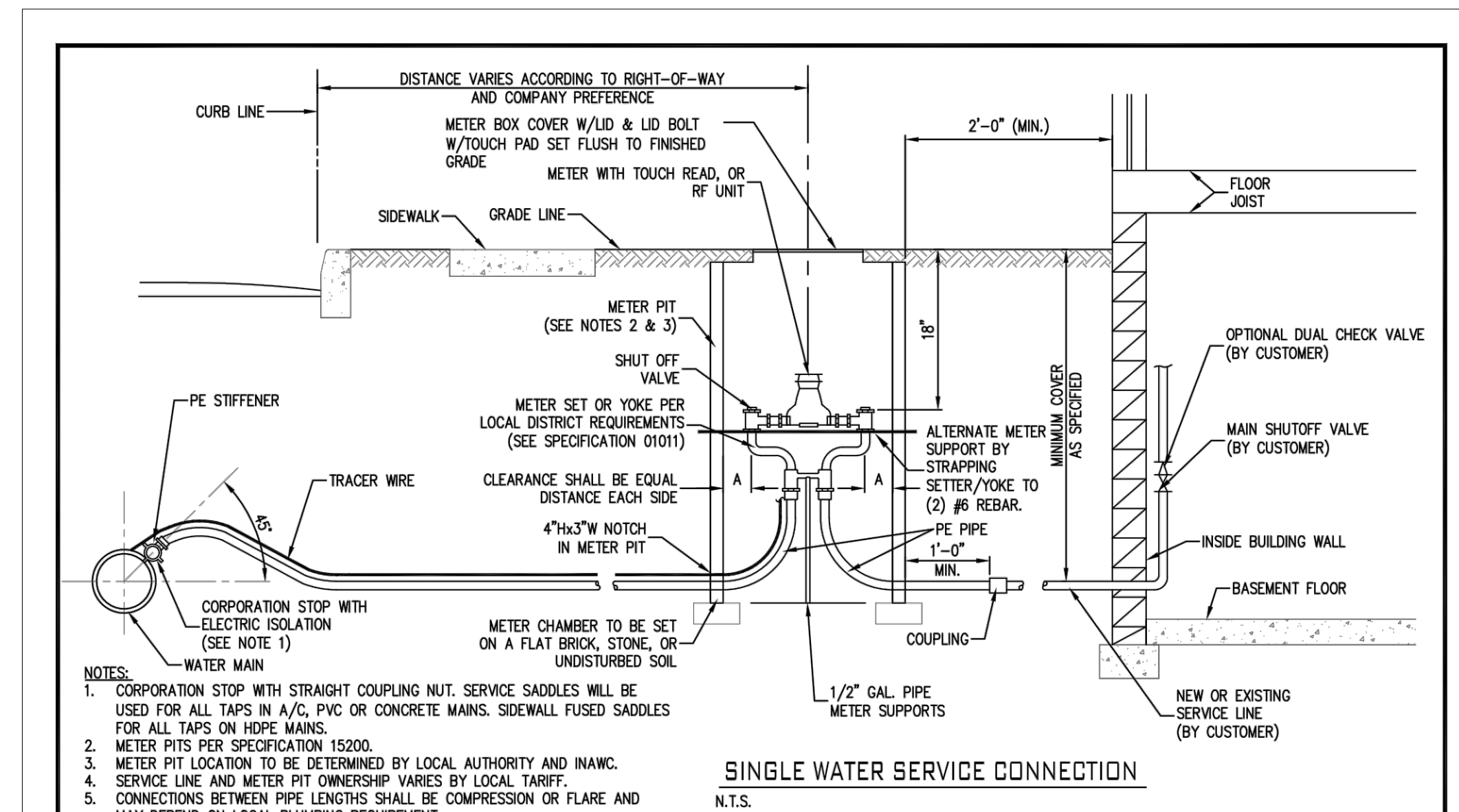


DOWNSPOUT DETAIL
NOT TO SCALE

- NOTES:
1. ALL MARKINGS TO BE 4 INCHES, SOLID BLUE PAINT
2. THE HANDICAP PARKING SYMBOL SHALL MEET CURRENT A.D.A. REQUIREMENTS

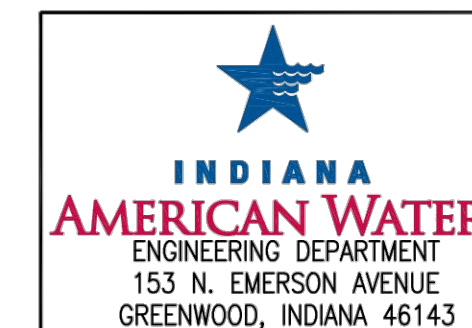


PAVEMENT MARKING-HANDICAP SYMBOL (3)
NOT TO SCALE



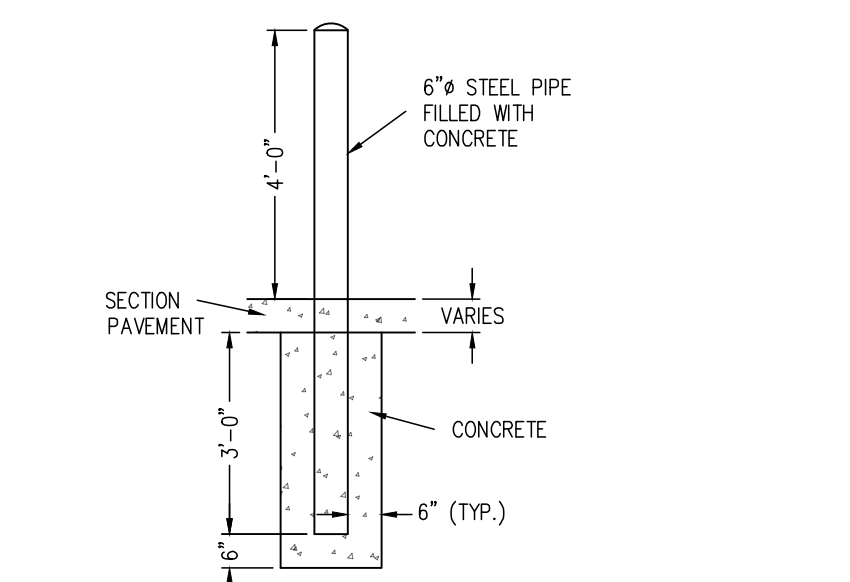
- NOTES:
1. CORPORATION STOP WITH STRAIGHT COUPLING NUT. SERVICE SADDLES WILL BE USED FOR ALL TAPS IN A/C, PVC OR CONCRETE MAINS. SIDEWALK FUSED SADDLES FOR ALL TAPS ON HDPE MAINS.
2. METER PITS PER SPECIFICATION 15200.
3. METER PIT LOCATION TO BE DETERMINED BY LOCAL AUTHORITY AND INAWC.
4. SERVICE LINE AND METER PIT OWNERSHIP VARIES BY LOCAL TARIFF.
5. CONNECTIONS BETWEEN PIPE LENGTHS SHALL BE COMPRESSION OR FLARE AND MAY DEPEND ON LOCAL PLUMBING REQUIREMENT.

SINGLE WATER SERVICE CONNECTION
N.T.S.

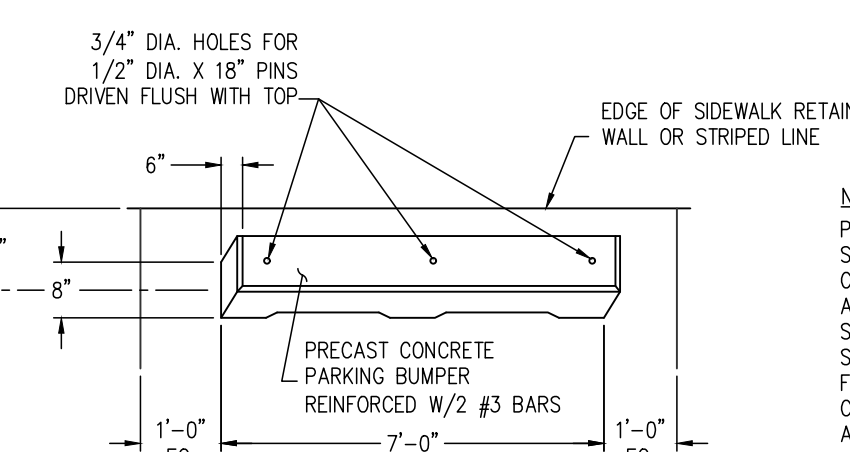


STANDARD DETAIL
SINGLE WATER SERVICE

DATE: JANUARY, 2018 DRAWN BY: S. FORD
LATEST REV: JANUARY, 2018 APP'D BY: E.N.

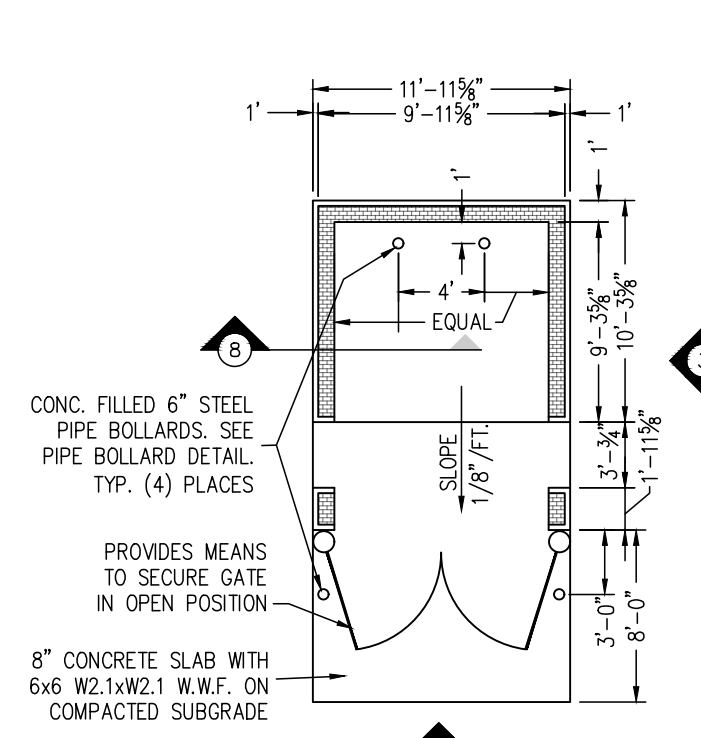


PIPE BOLLARD DETAIL (O)
NOT TO SCALE

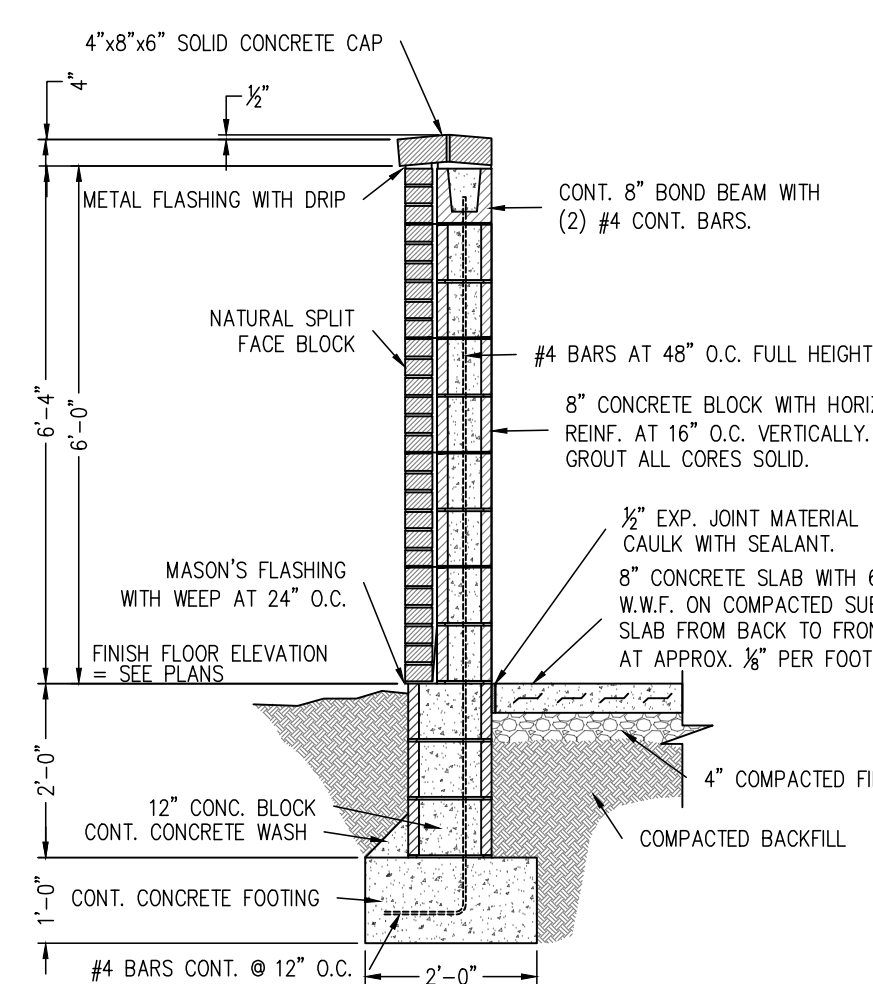


CONCRETE PARKING BARRIER (P)
NOT TO SCALE

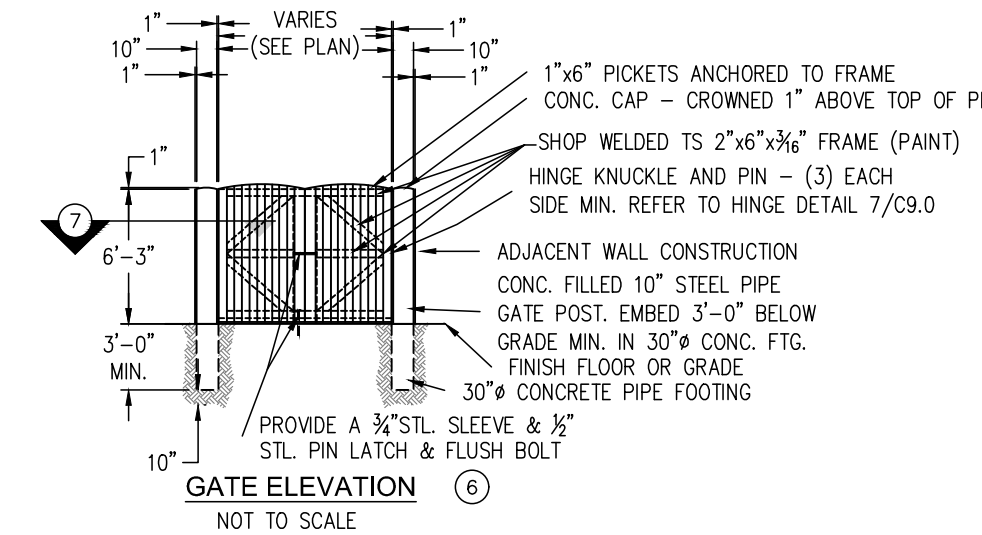
NOTE:
PARKING BARRIERS SHALL BE OF THE DIMENSIONS SHOWN ON THE PLANS. THE BARRIERS SHALL BE CAST AND TESTED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF 615.03 OF THE INDOT STANDARD SPECIFICATIONS EXCEPT THE STRENGTH SHALL BE DETERMINED BY CONCRETE CORES TAKEN FROM THE FINISHED PRODUCT. AT LEAST 2 CONCRETE CORES WILL BE TAKEN FROM EACH UNIT AND THE AVERAGE STRENGTH OF THE UNIT SHALL BE AT LEAST 28 MPa (4000 PSI) WITH NO INDIVIDUAL CORE STRENGTH LESS THAN 25 MPa (3600 PSI).



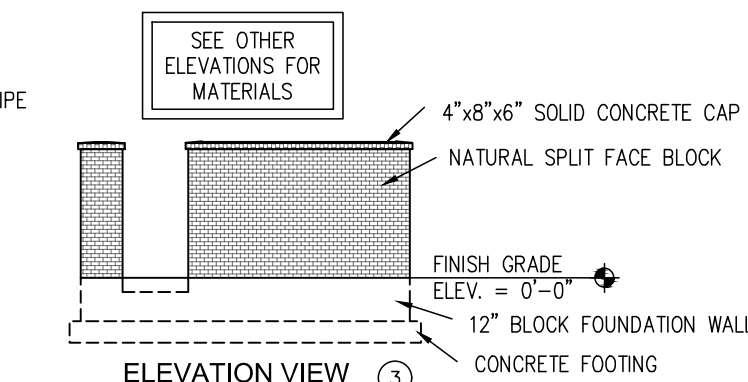
TRASH DUMPSTER PLAN (1)
NOT TO SCALE



TRASH ENCLOSURE DETAILS (H)
NOT TO SCALE



ELEVATION VIEW (2)
NOT TO SCALE



ENLARGED HINGE DETAIL (7)
NOT TO SCALE

MISCELLANEOUS DETAILS
HURRICANE INDUSTRIAL PARK - LOT 11

CHECKED: TEN
APPR: GJI

DRAWN: LMC/ALF
DMS

DESIGNED: S. FORD
DATE: DECEMBER 5, 2019

JOB NO.:
DATE: DECEMBER 5, 2019

BY: S. FORD

APPR: E.N.

REVISIONS

NO. DATE

NO. DATE

NO. DATE

NO. DATE

NO. DATE

NO. DATE

NO. DATE

NO. DATE

NO. DATE

NO. DATE

NO. DATE

NO. DATE

NO. DATE

DIRECTORY PATH : R:\Active\Aren Commercial\Hurricane BP - Lot 11\Design\CAD\Plans
 DATE USER : 12/04/2019 6:07 PM L.Dzwyler

