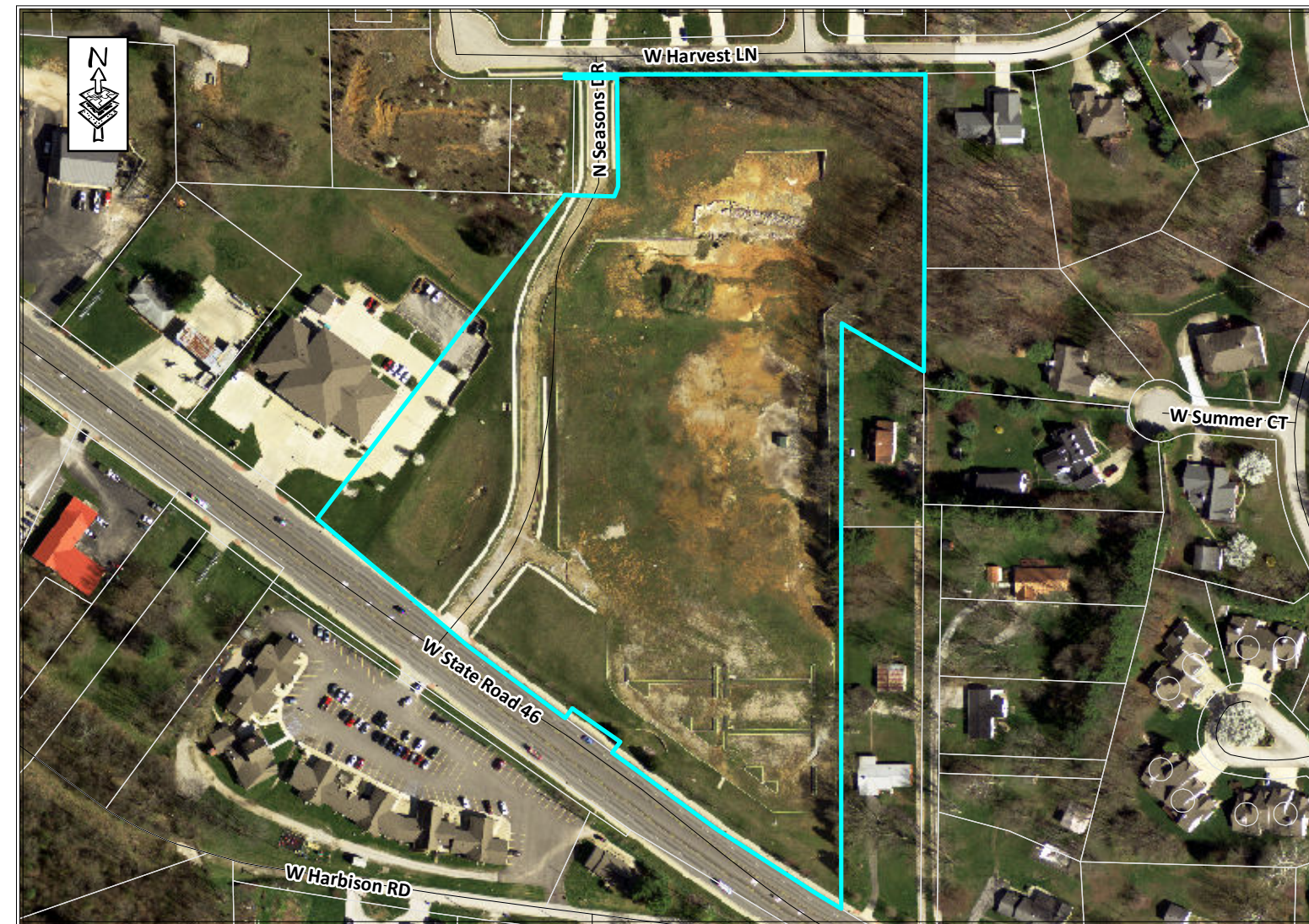
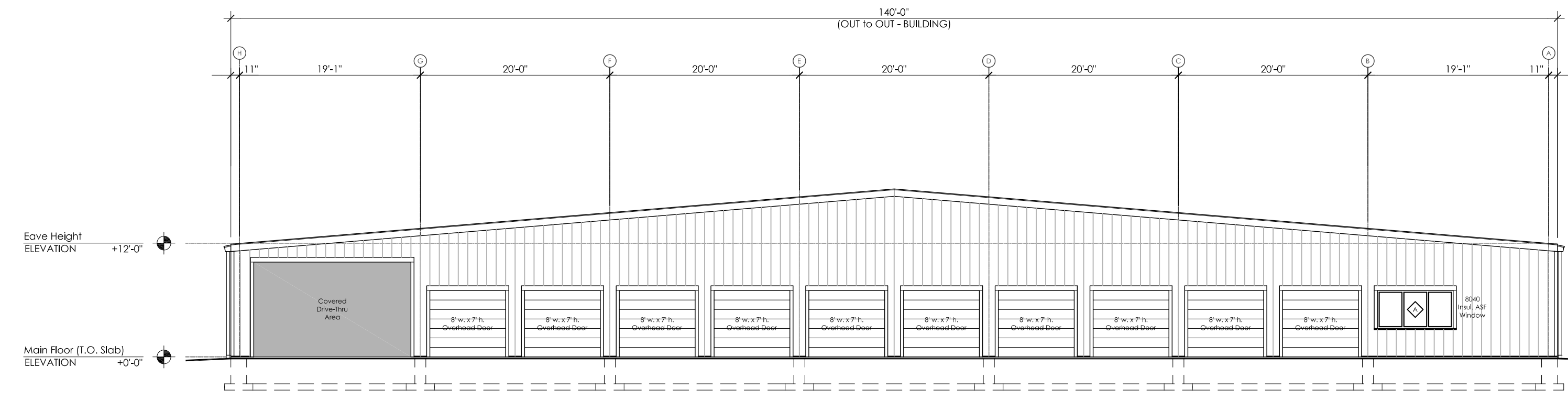


Case Number: PC 20-13
 Meeting Date: November 5, 2020
 Project Address: 5050 W State Road 46
 Project Type: Development Plan
 Description: Indoor/Outdoor
 Self-Storage Units
 39,200 square feet

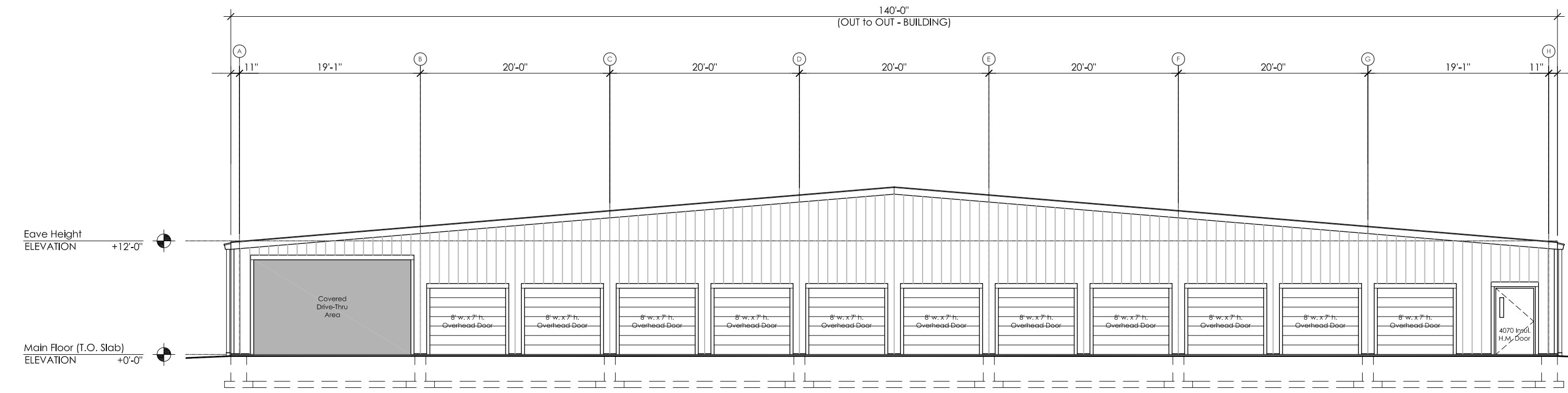


ELEVATION NOTES:

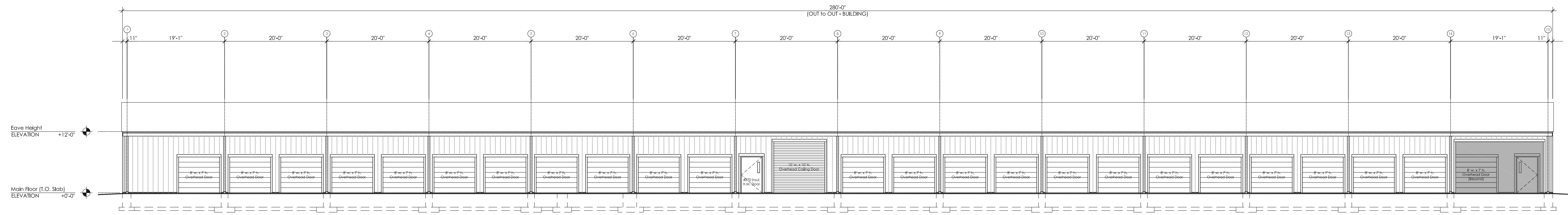
- A. PAINT PENETRATIONS TO MATCH ROOF COLOR.
- B. ALL PENETRATIONS THROUGH BUILDING WALLS TO BE PAINTED COLOR OF ADJACENT MATERIAL.



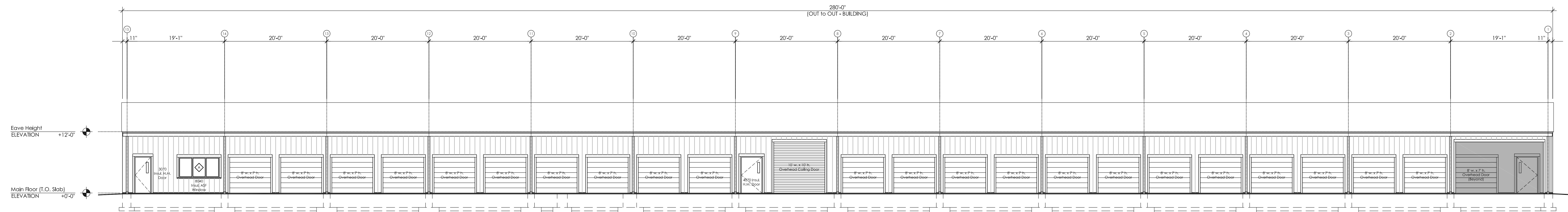
D Proposed (North):
Building Elevation
Scale: 3/32" = 1'-0"



C Proposed (South):
Building Elevation
Scale: 3/32" = 1'-0"



B Proposed (East):
Building Elevation
Scale: 3/32" = 1'-0"



A Proposed (West):
Building Elevation
Scale: 3/32" = 1'-0"

mca MARC CORNETT ARCHITECTS
101 EAST HIRWOOD AVE
BLOOMINGTON, INDIANA 47408
P 812.325.5954 E MAIL: marcconnell@yahoo.com

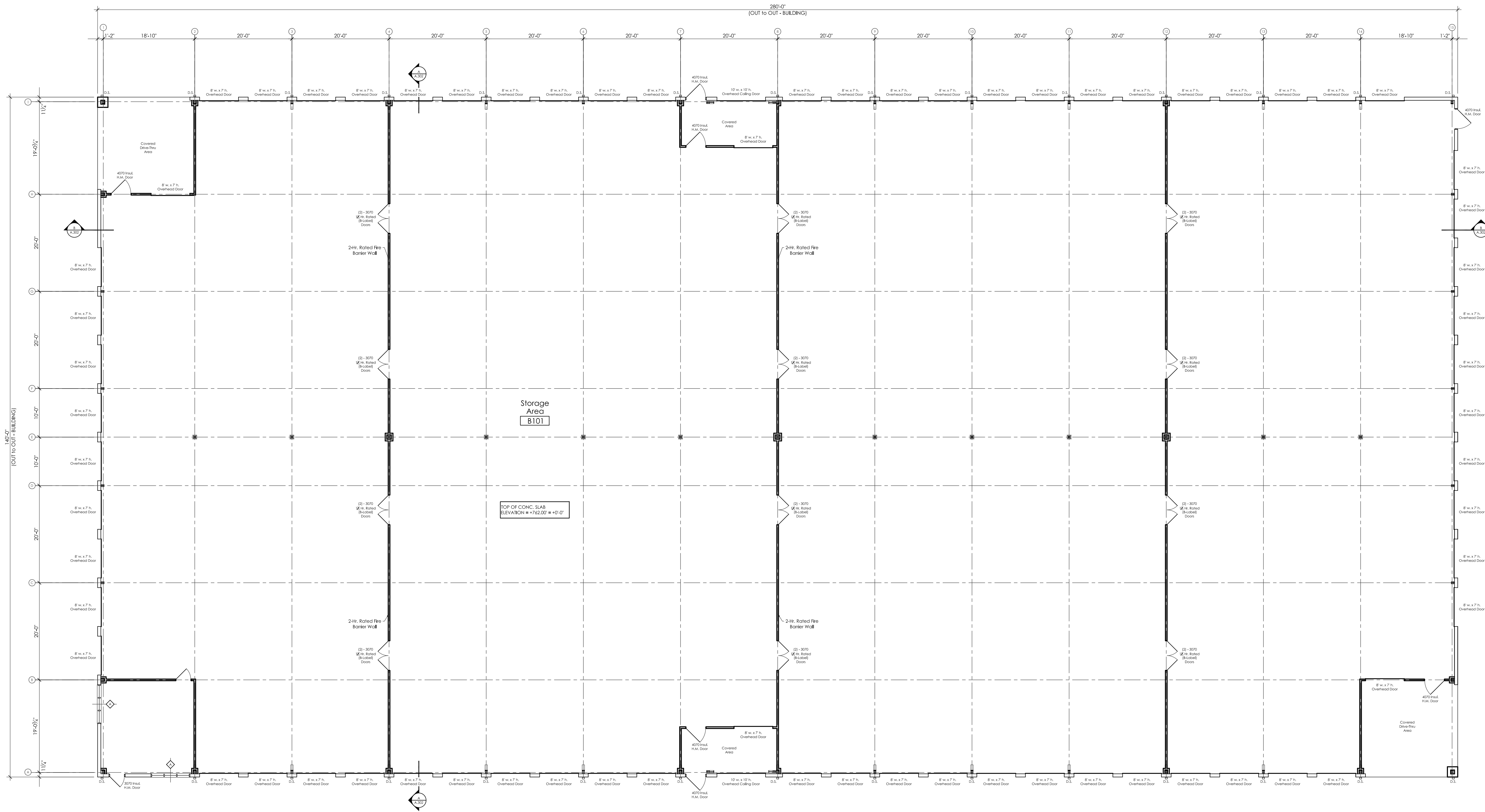
CERTIFIED

REVISIONS

PROPOSED:
ELLEITSVILLE SELF-STORAGE
5050 W. STATE ROAD 46
BLOOMINGTON INDIANA

PROJECT NO.: 2020-09
DATE: 9.09.20
DRAWN BY:
CHECKED BY: MHC

BUILDING ELEVATIONS - BLDG. 'B'
A.202



Total Floor Area Bldg. 'B': 25,200 s.f.

Proposed:
A Overall First Floor Plan - Bldg. 'B'
 Scale: 3/32" = 1'-0"

mca MARC CORNETT ARCHITECTS

101 EAST HURWOOD AVE
 BLOOMINGTON, INDIANA 47408
 P.812.325.5954 E.MAIL: marc@mcaarch.com

CERTIFIED

REVISIONS

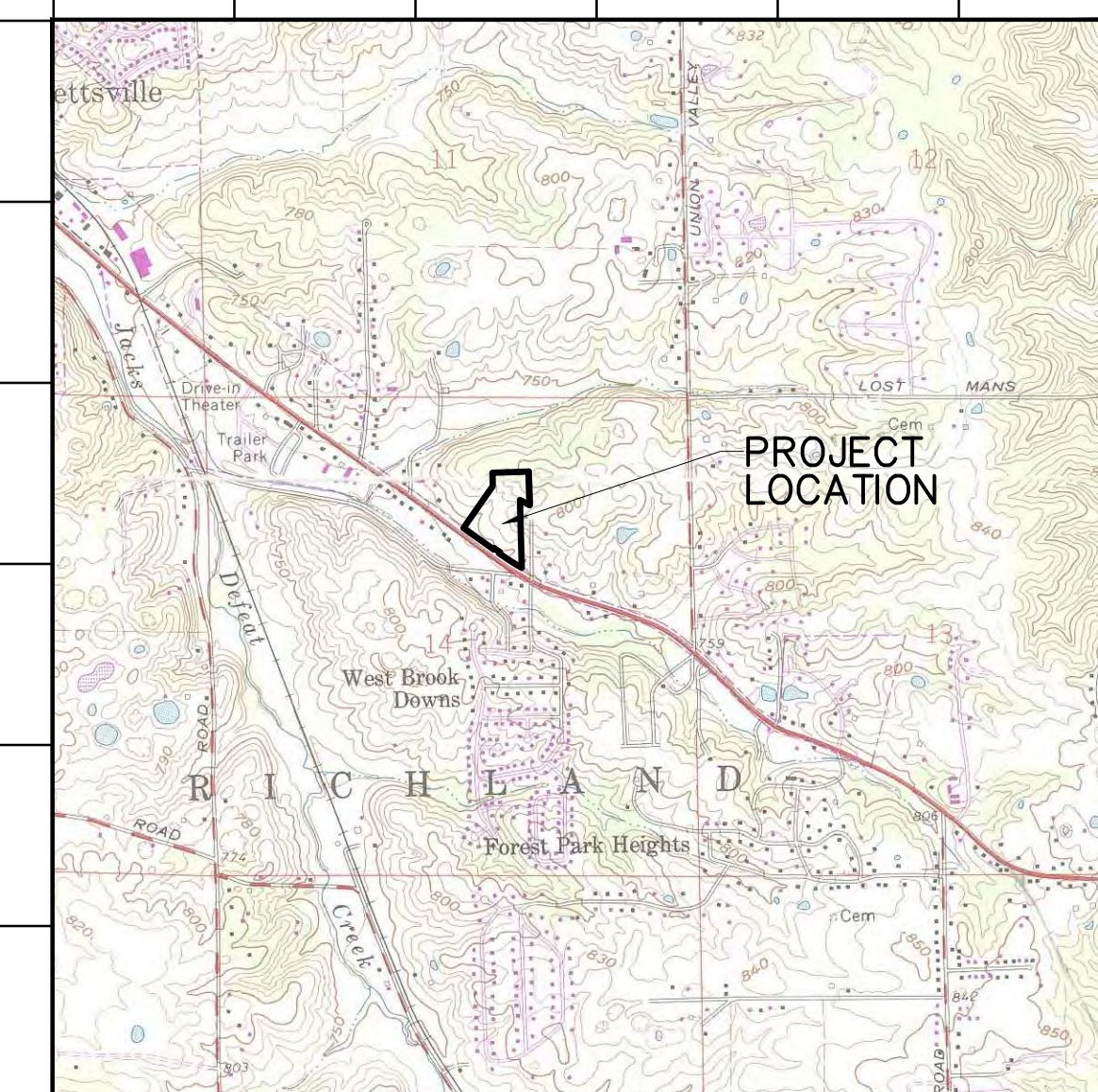
PROPOSED:
ELLEITSVILLE SELF-STORAGE
 5050 W. STATE ROAD 46
 BLOOMINGTON INDIANA

PROJECT NO.: 2020-09
 DATE: 9.09.20
 DRAWN BY:
 CHECKED BY: MHC

OVERALL FIRST FLOOR
 PLAN - BLDG. 'B'
A.102

PROPOSED EDD, LLC SELF STORAGE

5050 W. SR 46
BLOOMINGTON, INDIANA 47404



LOCATION MAP
1" = 2,000'

INDEX

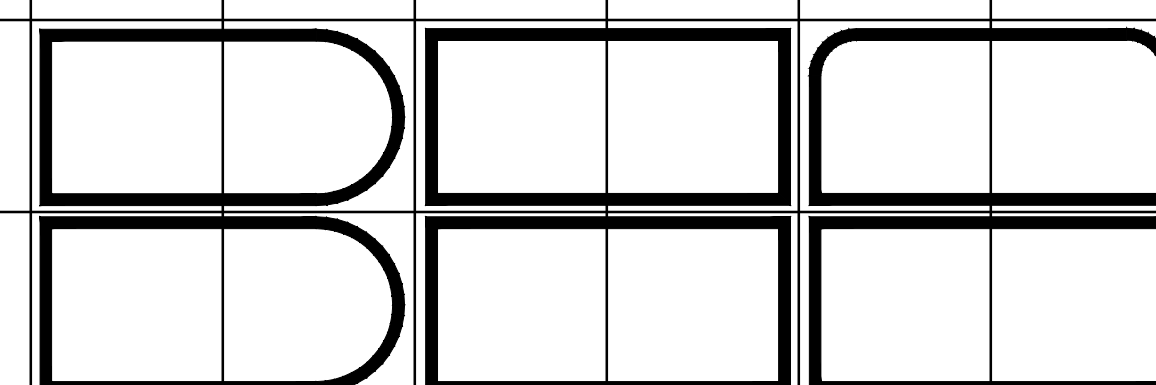
SHEET NO.	DESCRIPTION
C101	GENERAL NOTES AND MISCELLANEOUS DETAILS
C201	SITE, UTILITY & LANDSCAPE PLAN
C202	GRADING & DRAINAGE PLAN
C203	SWPPP PLAN
C301	SWPPP INFORMATION & DETAILS
C302	SWPPP DETAILS



DIAL '811' BEFORE YOU DIG
PER INDIANA STATE LAW ICS-1-26.
IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

UTILITY CONTACT INFORMATION

GAS VECTREN 205 S. MADISON ST. BLOOMINGTON, IN 47401 DOUG ANDERSON (812)330-4009	SEWER AND WATER TOWN OF ELLETTSVILLE, IN 1150W GUY MCCOY DRIVE ELLETTSVILLE, INDIANA 47429 (812) 876-2297	ELECTRIC DUKE ENERGY 1619 W. DEFFENBAUGH ROAD KOKOMO, INDIANA 46902 JIM SHELDS (317)375-2071
TELEPHONE SMITHVILLE TELEPHONE 1600 W TEMPERANCE STREET ELLETTSVILLE, INDIANA 47429 (812) 876-2211	CABLE TELEVISION COMCAST 2450 SOUTH HENDERSON STREET BLOOMINGTON, IN 47404 50011 TEMPLETON (812)355-7822	UNDERGROUND UTILITY LOCATION INDIANA UNDERGROUND PLANT PROTECTION 1-(800)382-5544



BYNUM FANYO & ASSOCIATES, INC.

architecture
civil engineering
planning

528 north walnut st. bloomington, indiana 47404 (812) 332-8030

OWNER/DEVELOPER

EDD, LLC
4650 N. OLD STATE ROAD 37
BLOOMINGTON, IN 47408

THE CURRENT EDITION OF THE INDIANA DEPARTMENT OF TRANSPORTATION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES & CITY OF BLOOMINGTON UTILITIES STANDARD SPECIFICATIONS IS TO BE USED WITH THESE PLANS

certified by:

10.09.20
JEFFREY S. FANYO, P.E.
IND. REG. NO. 60018283

revisions

GENERAL NOTES

- BOUNDARY AND TOPO BY BYNUM FANTO AND ASSOCIATES, 528 NORTH WALNUT STREET, BLOOMINGTON, INDIANA 47404. PHONE (812) 332-8030
- DEVELOPER: EDD, LLC, 4650 N. OLD STATE ROAD 37, BLOOMINGTON, IN 47408. CONTACT DOUG DUNCAN.
- PROJECT ADDRESS: 5050 W. SR 46, BLOOMINGTON, INDIANA 47404.
- ALL WORK IS TO BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS.
- ALL PERMITS ARE TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- THE CURRENT EDITION OF THE INDIANA DEPARTMENT OF TRANSPORTATION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES & CITY OF BLOOMINGTON UTILITIES STANDARD SPECIFICATION IS TO BE USED WITH THESE PLANS.
- EXISTING UTILITIES ON SITE SHALL BE RELOCATED AND RELOCATED CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH RELOCATION.
- SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.

PARKING AND PAVEMENT NOTES

- ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC DEVICES, CURRENT EDITION AS AMENDED.
- ALL DIMENSIONS ARE TO EDGE OF PAVEMENT UNLESS INDICATED OTHERWISE.
- CONTRACTOR SHALL FURNISH AND INSTALL PAVEMENT MARKINGS AS SHOWN ON THE PLANS.
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES WITH OTHER CONTRACTORS ON THE SITE.
- JOINTS OR SCORE MARKS ARE TO BE SHARP AND CLEAN WITHOUT SHOWING EDGES OF JOINTING TOOLS.
- CONTRACTOR SHALL SAW-CUT TIE-INs AT EXISTING CURBS AS NECESSARY TO INSURE SMOOTH TRANSITIONS. CONTRACTOR SHALL SAW-CUT AND TRANSITION TO MEET EXISTING PAVEMENT AS NECESSARY AND AS DIRECTED BY INSPECTOR TO INSURE POSITIVE DRAINAGE. (TYPICAL AT ALL INTERSECTIONS).
- CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY A.C.C. OF AMERICA, INC. AND THE HEALTH AND SAFETY REGULATIONS FOR CONSTRUCTION ISSUED BY THE U.S. DEPARTMENT OF LABOR.

GRADING NOTES

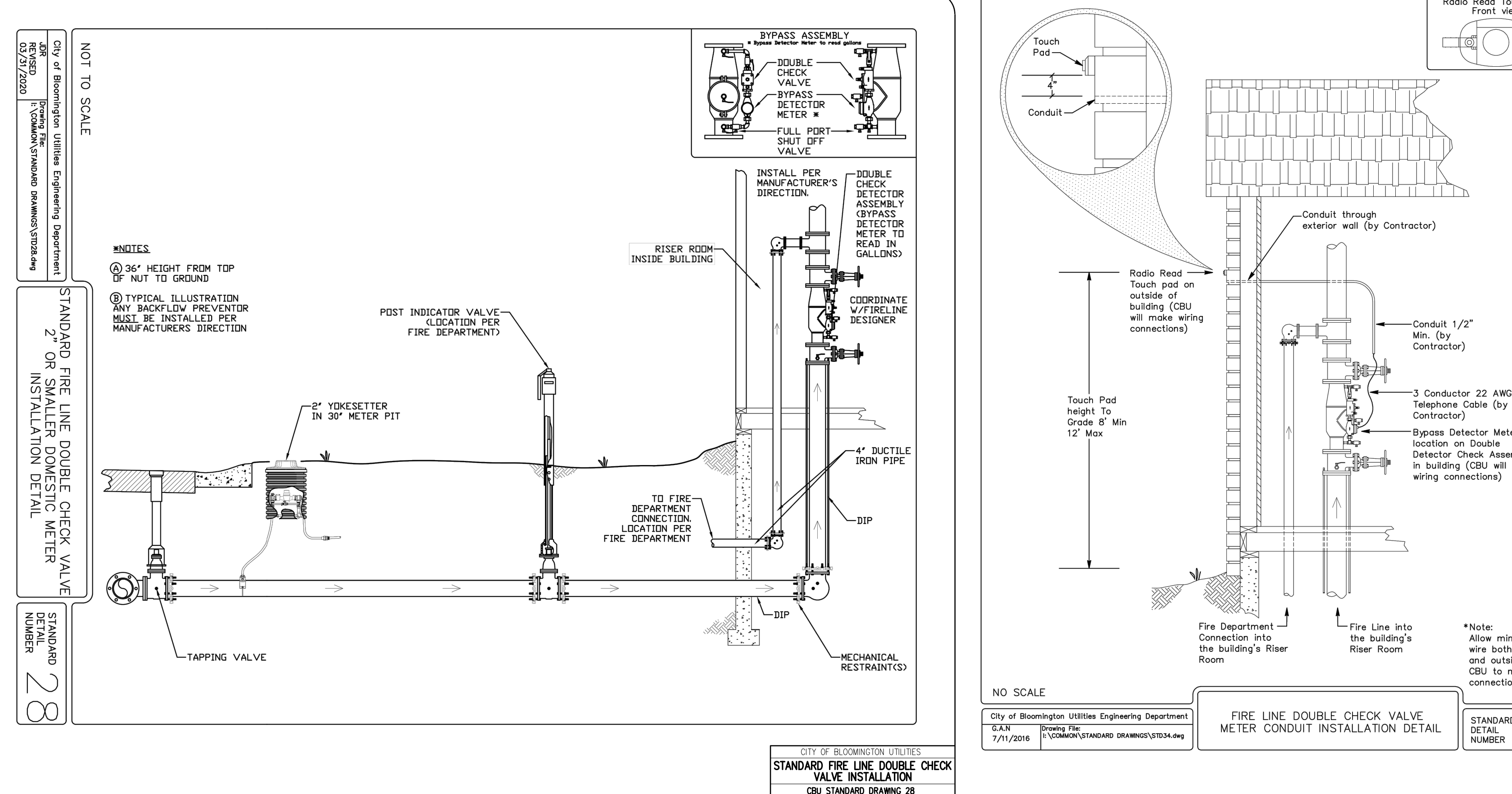
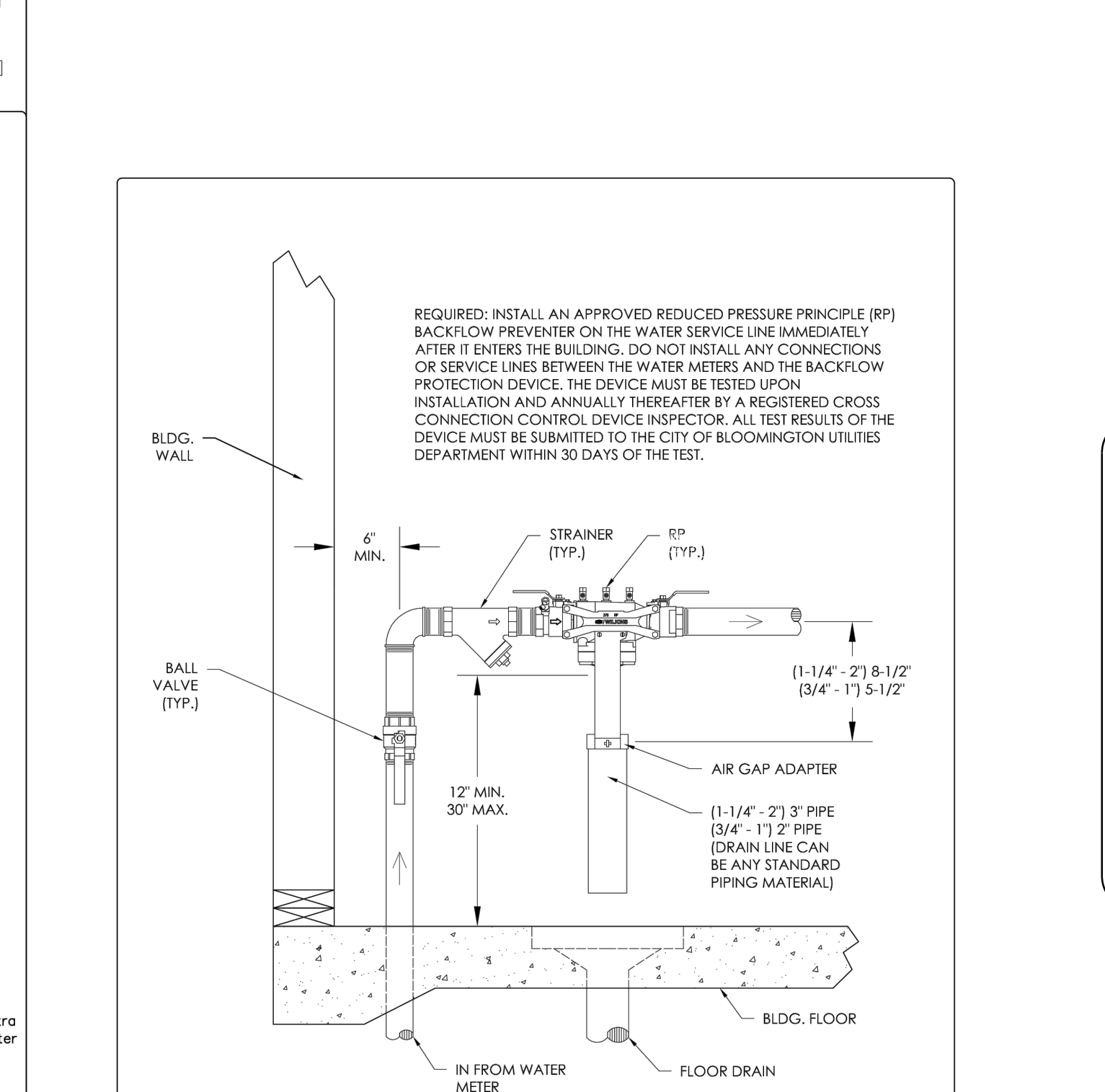
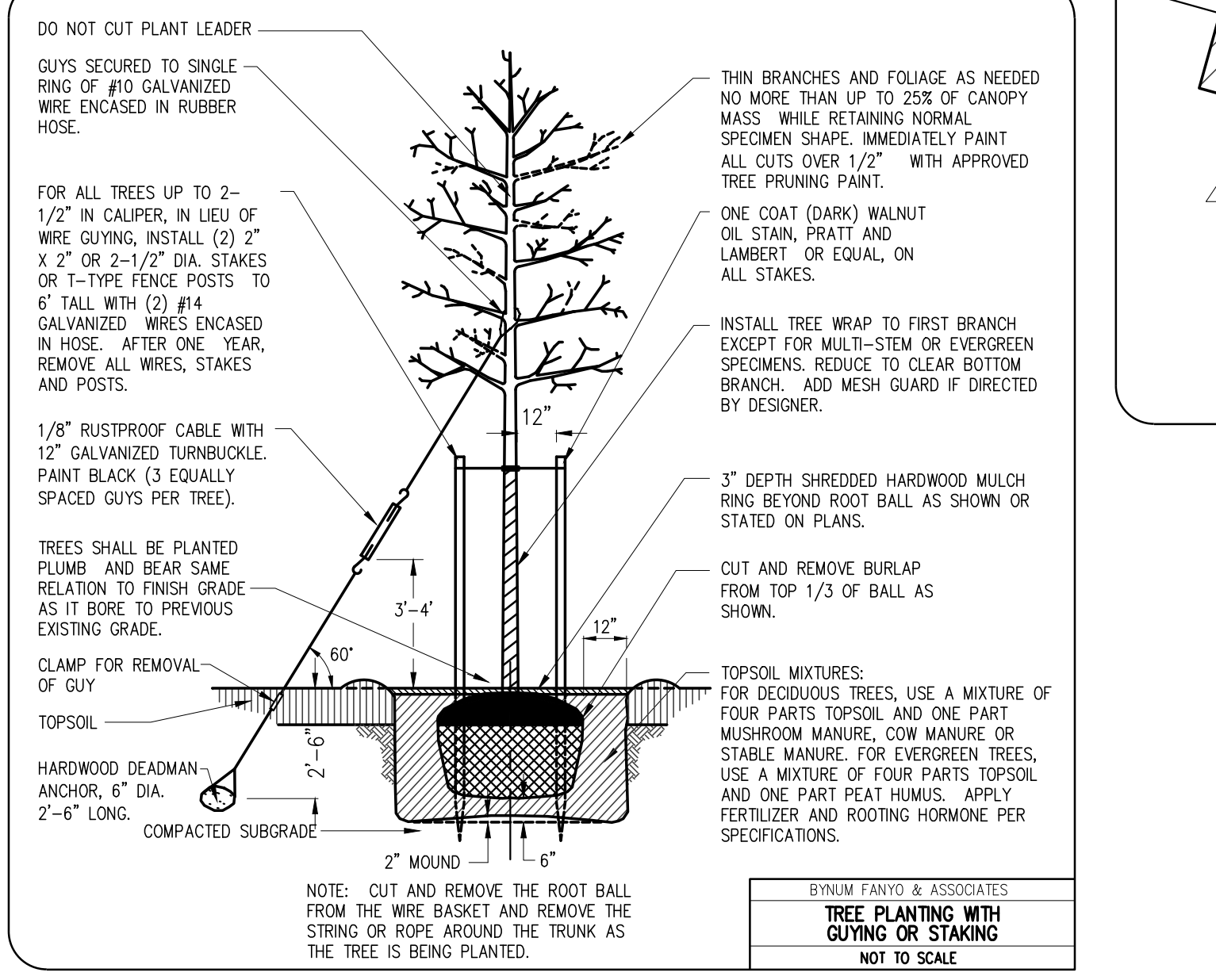
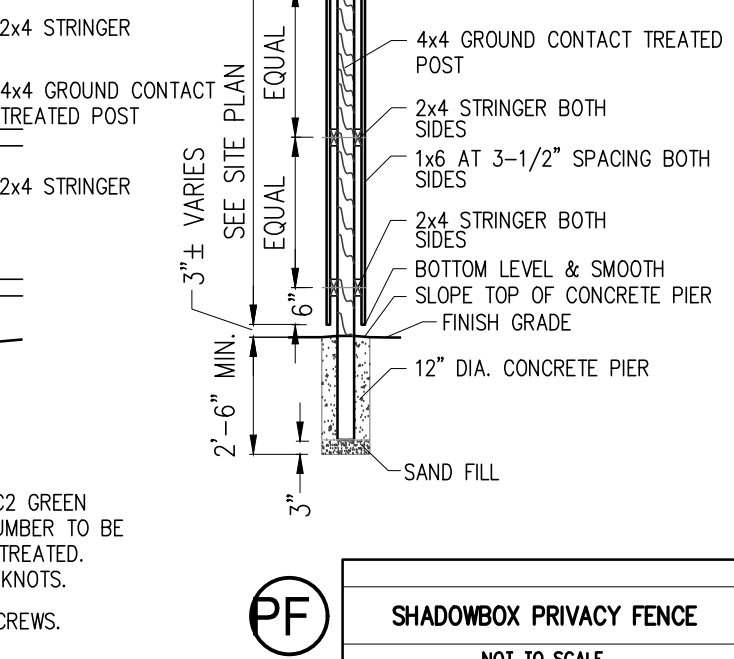
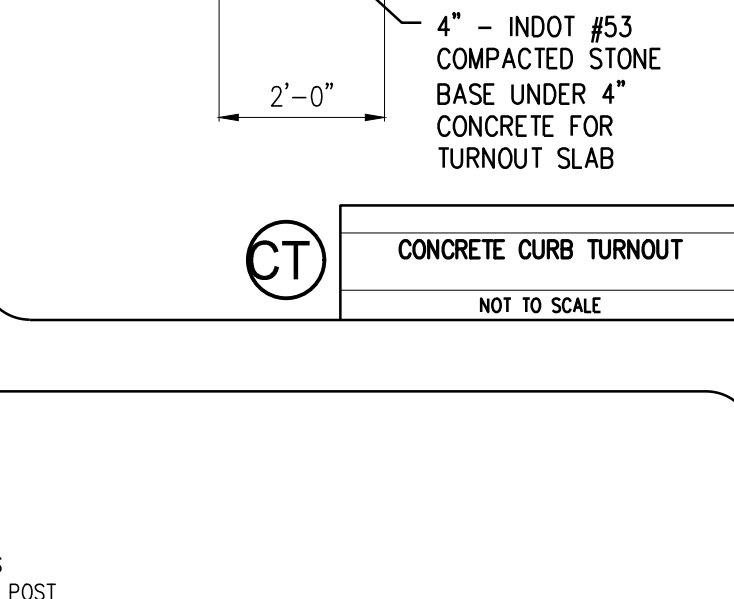
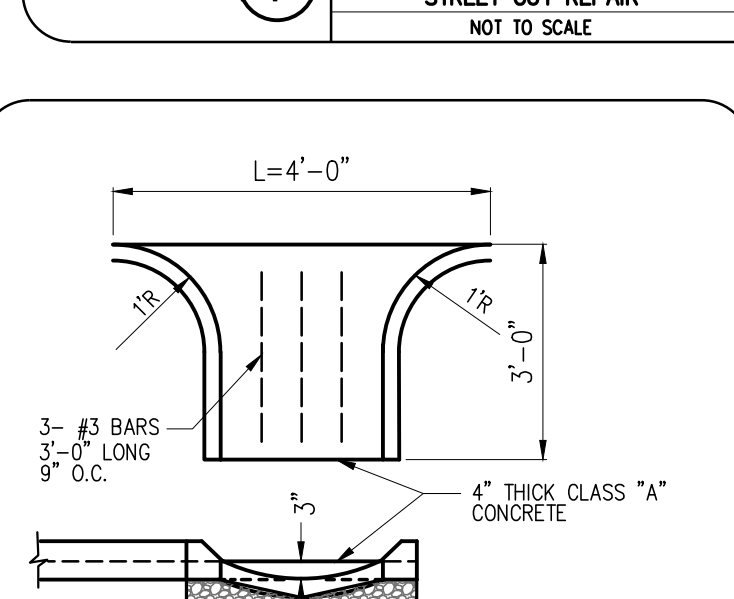
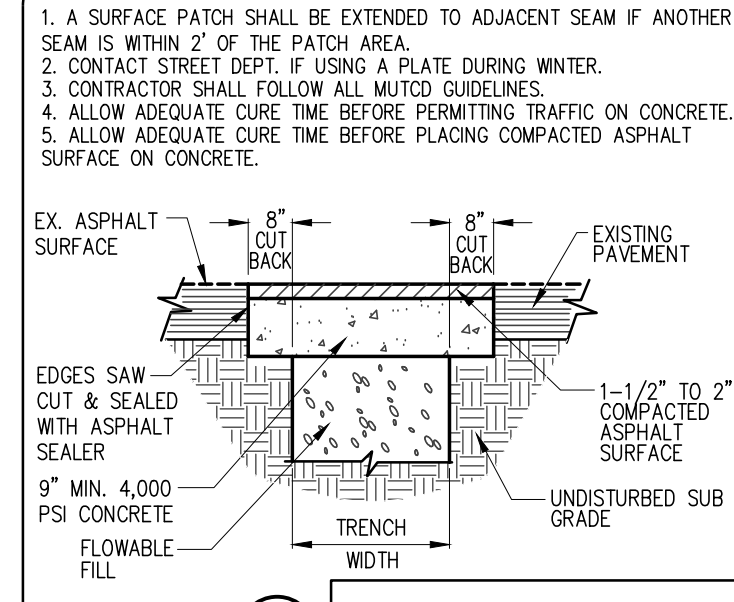
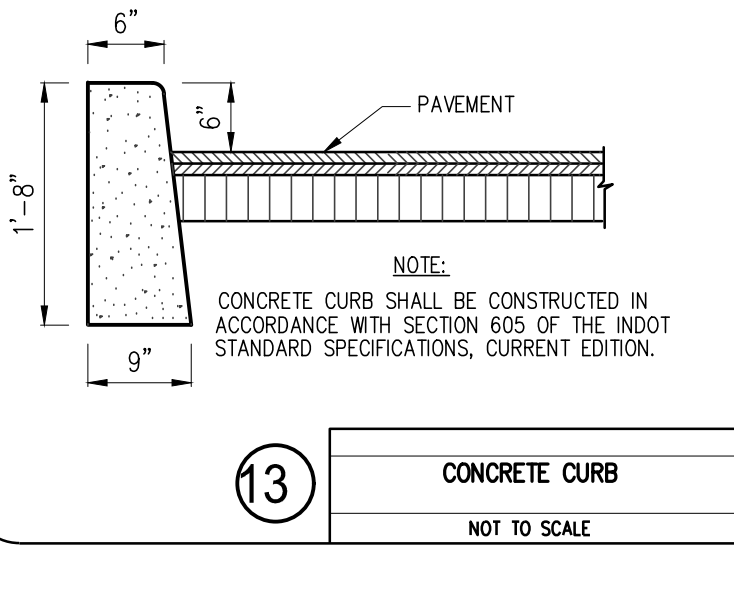
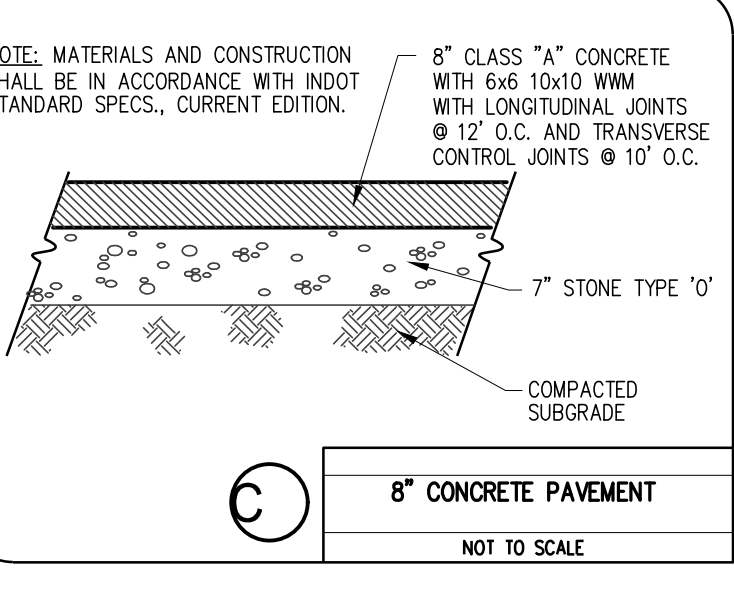
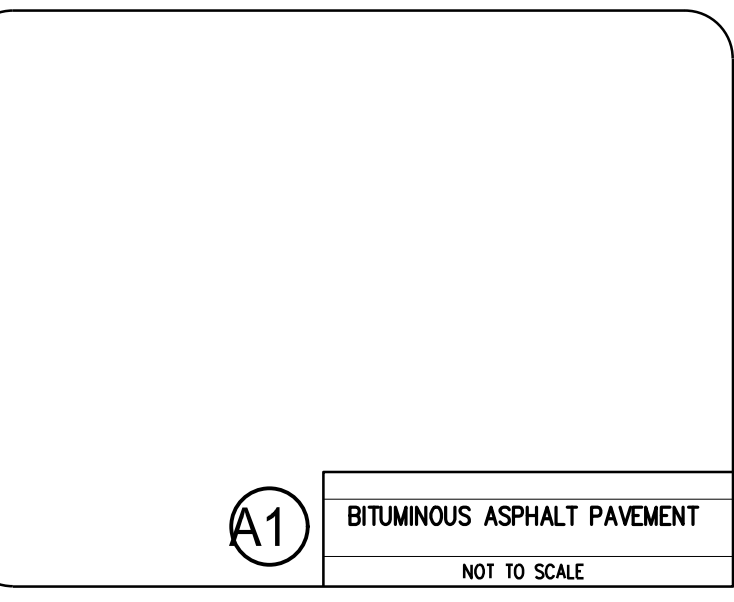
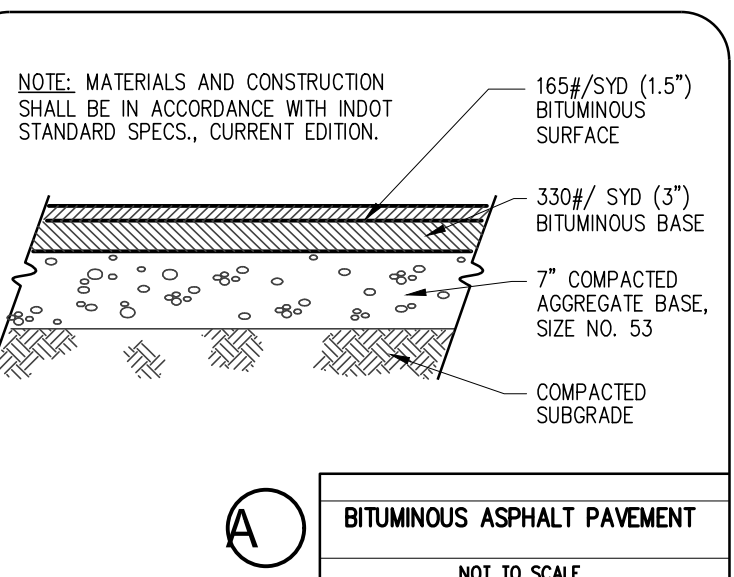
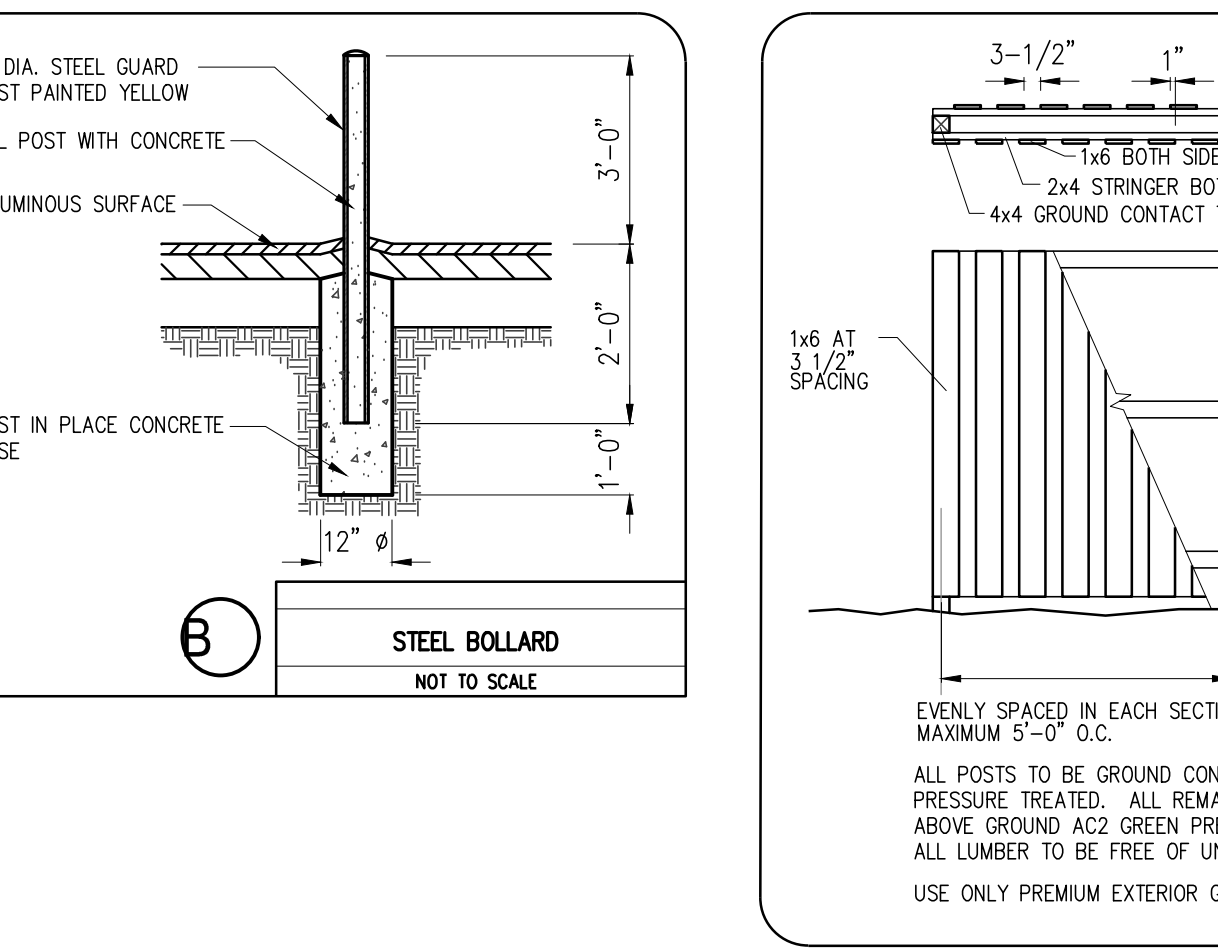
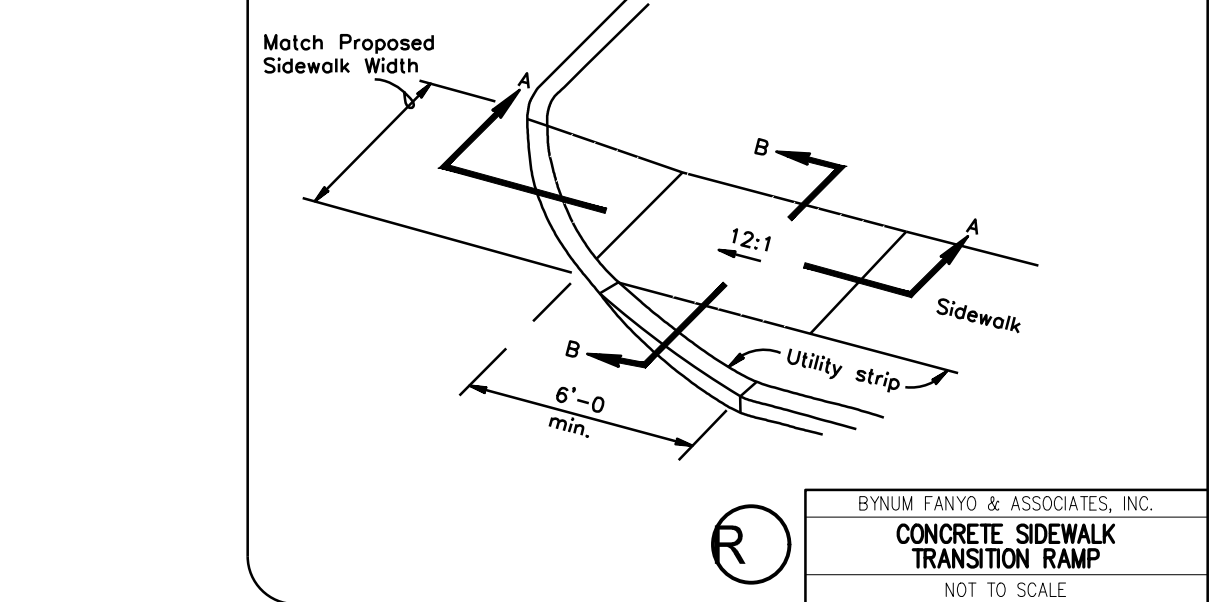
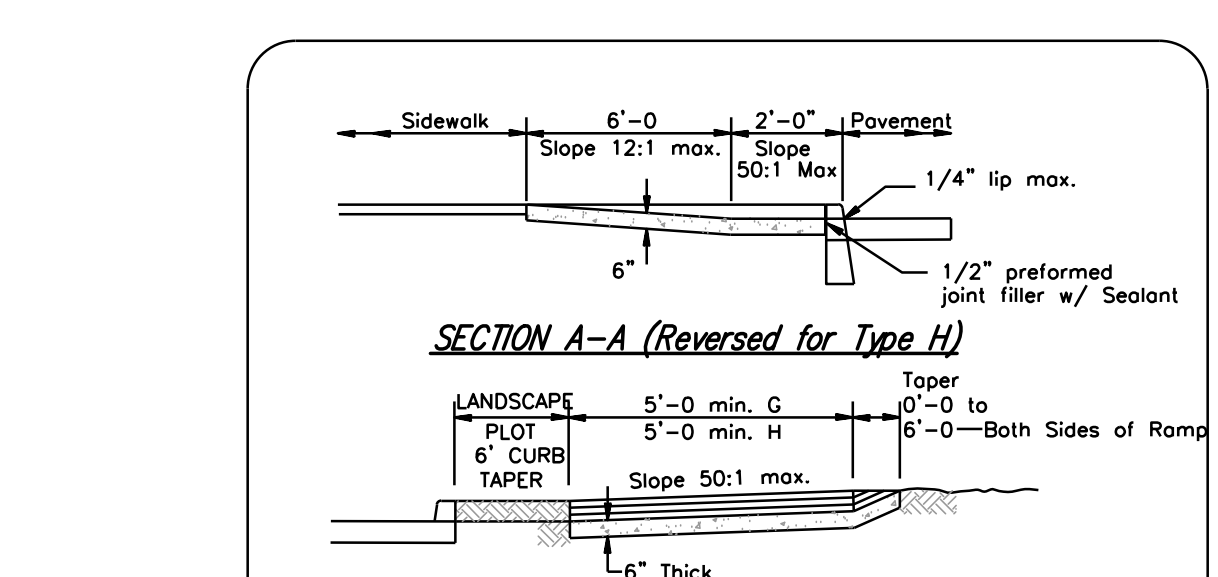
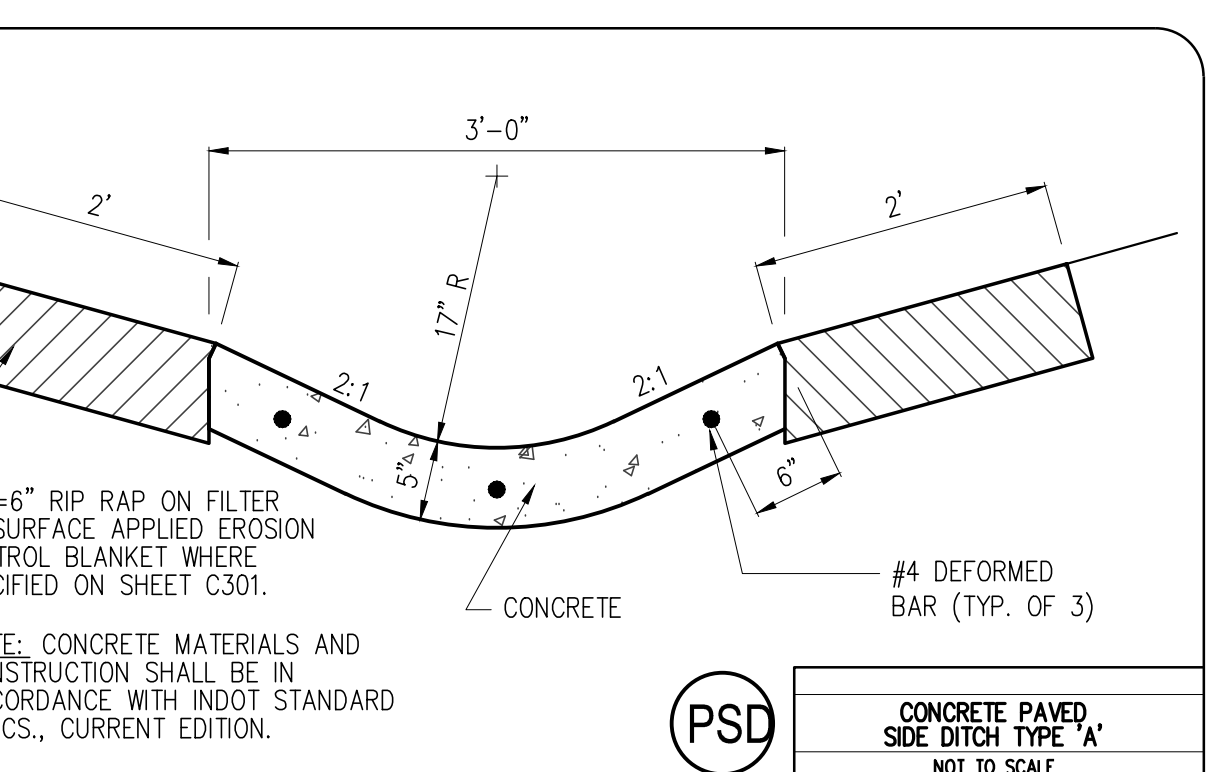
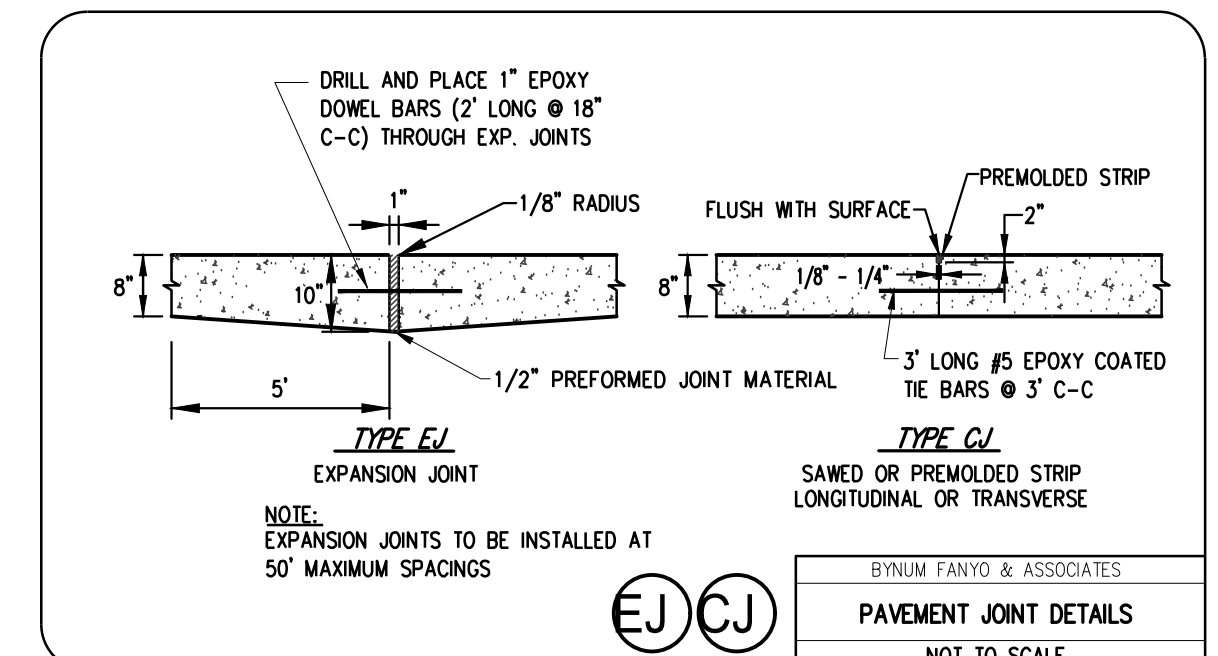
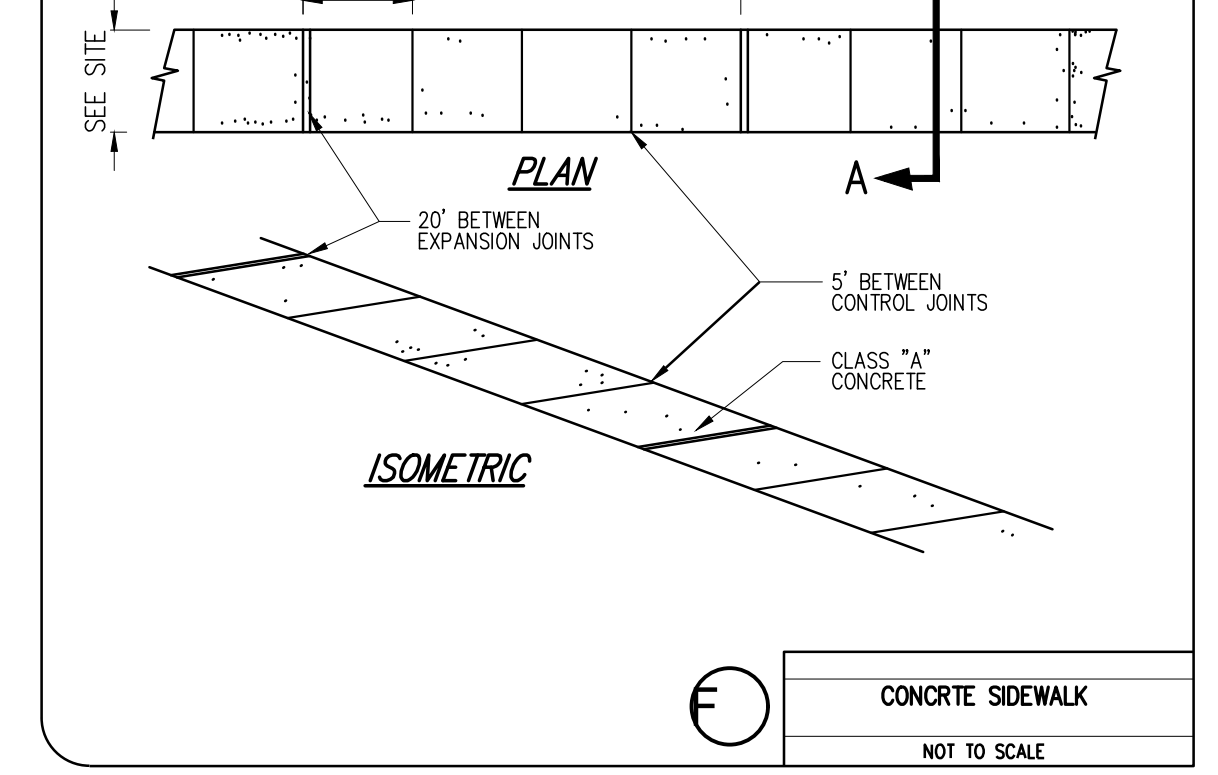
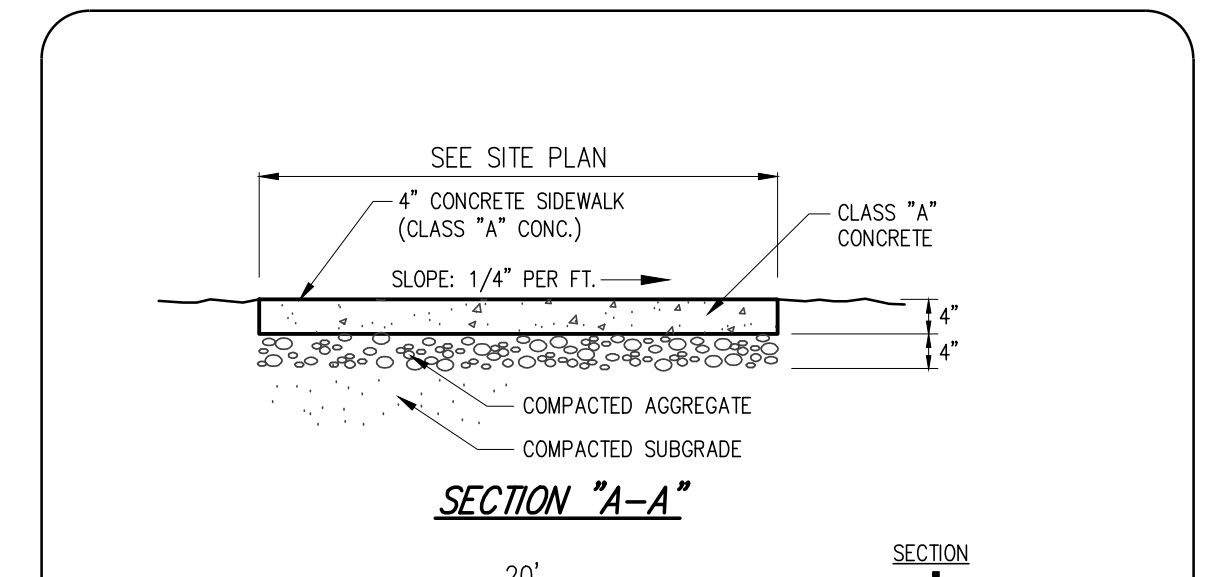
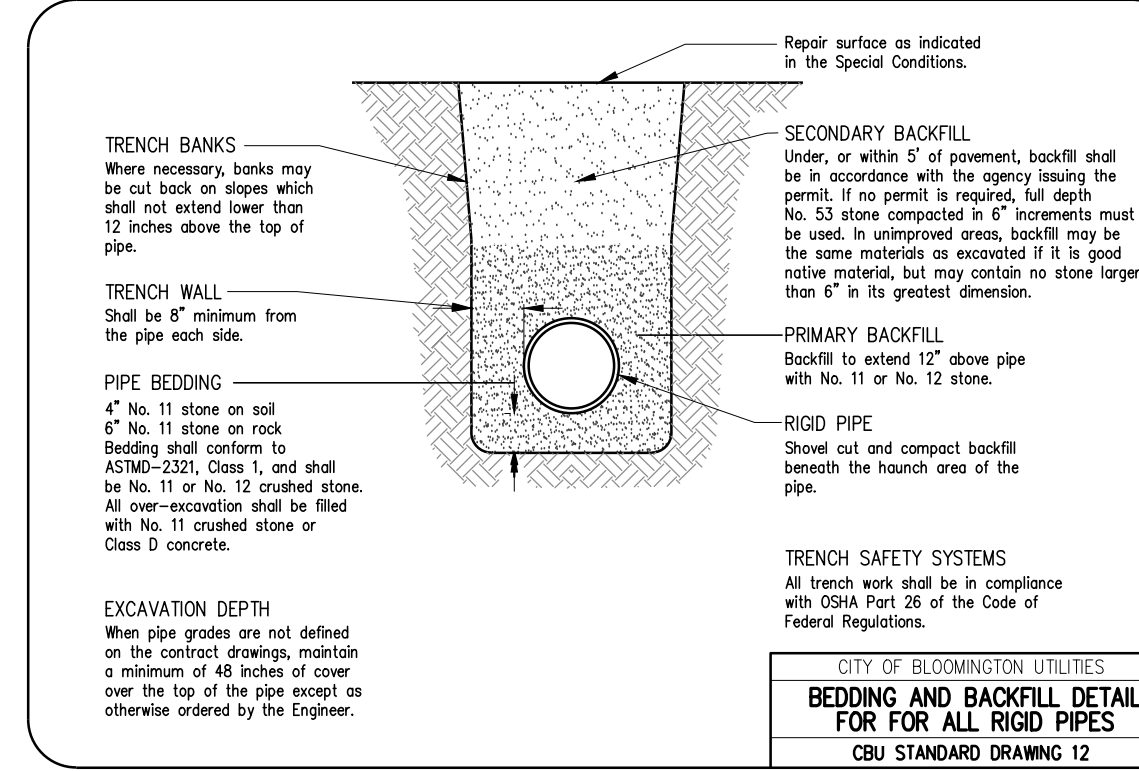
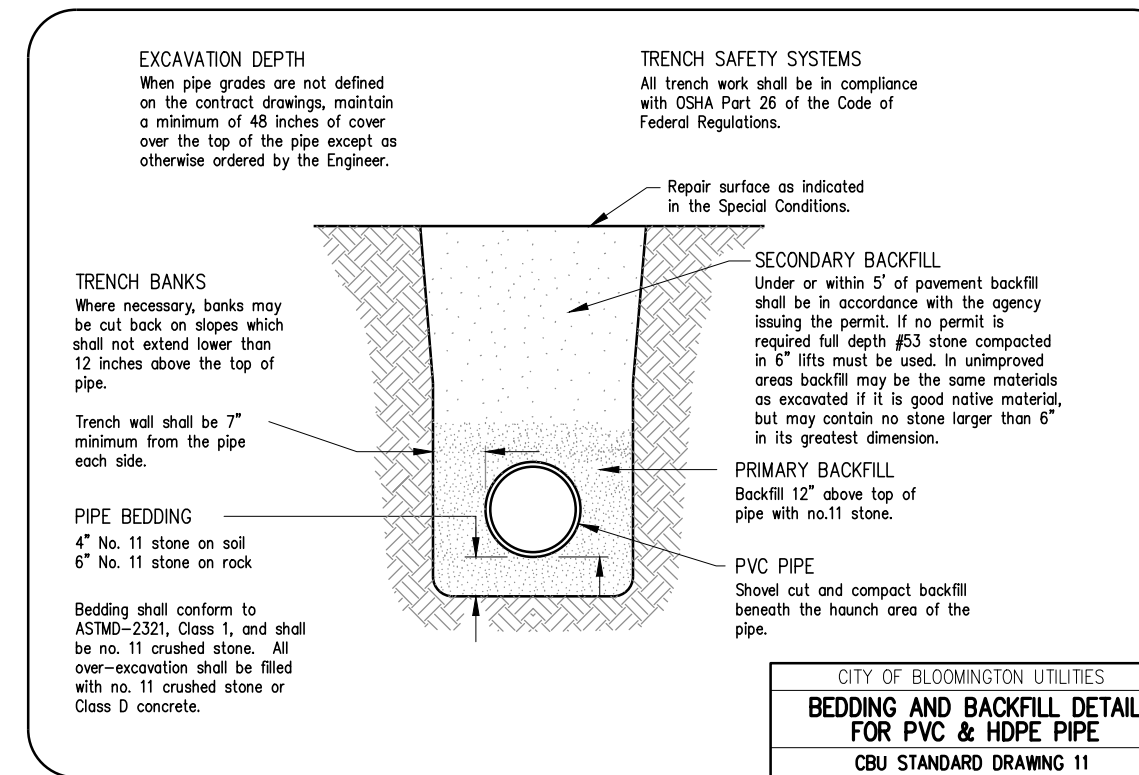
- NEW FINISHED CONTOURS SHOWN ARE TOP OF FUTURE PAVING IN AREAS TO RECEIVE PAVEMENT AND TOP OF TOPSOIL IN AREAS TO BE SEEDED OR PLANTED.
- AREAS OUTSIDE OF THE PARKING LOT PERIMETERS SHOWN TO BE SEEDED OR PLANTED SHALL RECEIVE 6" OF TOPSOIL. THIS TOPSOIL IS TO BE PLACED AND LEVELED BY THE CONTRACTOR.
- CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING, OR CONNECTING TO SAID FACILITIES. CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION WITH ALTERATION OF OR RELOCATION OF THE FACILITY.
- ALL AREAS NOT COVERED BY BUILDING OR PAVING ARE TO BE VEGETATED (SEEDED OR PER LANDSCAPE PLAN).
- UNUSABLE EXCAVATED MATERIALS AND ALL WASTE RESULTING FROM CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF SITE BY CONTRACTOR.
- BEFORE ANY MACHINE WORK IS DONE, CONTRACTOR SHALL STAKE OUT AND MARK THE ITEMS ESTABLISHED BY THE SITE PLAN. CONTROL POINTS SHALL BE PRESERVED AT ALL TIMES DURING THE COURSE OF CONSTRUCTION. THE LACK OF PROPER WORKING POINTS AND GRADE STAKES MAY REQUIRE CESSATION OF OPERATIONS UNTIL SUCH POINTS AND GRADES HAVE BEEN PLACED TO THE OWNER'S SATISFACTION.
- THESE DOCUMENTS ARE SCHEMATIC IN NATURE AND CANNOT SHOW EVERY ITEM NEEDED FOR A COMPLETE OPERATIONAL STORM SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE OPERATING STORM SYSTEM.
- ALL FILL SHALL BE FREE OF VEGETABLE MATTER, RUBBISH, LARGE ROCK, AND OTHER DELETERIOUS MATERIAL. THE FILL MATERIAL SHOULD BE PLACED IN LAYERS NOT TO EXCEED SIX (6) INCHES IN LOOSE THICKNESS AND SHOULD BE SPRINKLED WITH WATER AS REQUIRED TO SECURE SPECIFIED COMPACTION. EACH LAYER SHOULD BE UNIFORMLY COMPACTED BY MEANS OF SUITABLE EQUIPMENT AS DICTATED BY THE TYPE OF FILL MATERIAL. UNDER NO CIRCUMSTANCES SHOULD A BULLDOZER OR SIMILARLY TRACKED VEHICLE BE USED AS COMPACTION EQUIPMENT. MATERIAL CONTAINING AN EXCESS OF WATER SHOULD BE SPREAD AND DRIED TO A MOISTURE CONTENT THAT WILL PERMIT PROPER COMPACTION. ALL FILL SHOULD BE COMPACTED TO THE SPECIFIED PERCENTAGE OF THE MAXIMUM DENSITY OBTAINED IN ACCORDANCE WITH ASTM DENSITY TEST D-698 (98 PERCENT OF MAXIMUM DRY DENSITY), IF THE SPECIFIED COMPACTION LIMITS ARE NOT MET, SUCH AREAS SHOULD BE REWORKED AND RETESTED AS REQUIRED UNTIL THE SPECIFIED LIMITS ARE REACHED.

ON-SITE UTILITY NOTES

- ALL WATER PIPE 6" AND LARGER SHALL BE PRESSURE CLASS 350 DIP WATER PIPE CONFORMING TO ALL STATE AND LOCAL STANDARDS.
- WATER MAIN FITTINGS 6" AND LARGER SHALL BE DUCTILE IRON CONFORMING TO ANWA/ANSI STANDARD SPECIFICATIONS C153/A21.53, LATEST REVISION.
- 2" WATER MAINS SHALL BE SDR-21 (PR2000) AND 4" PIPE MAY BE EITHER SDR-21 (PR2000) OR C900 (DR-14).
- MECHANICAL RESTRAINTS SHALL BE PROVIDED AT ALL FIRE LINE BENDS, OFFSETS, TEES, PLUGS, ETC. SEE THE RESTRAINT DETAIL ON SHEET C302.
- ALL WATER LINE GATE VALVES OTHER THAN AIR RELEASE VALVES AND TAPPING VALVES SHALL BE CAST IRON BODY, FULLY BRONZE MOUNTED, WITH RESILIENT SEAT AND NON-RISING STEM AND SHALL BE MANUFACTURED BY M & H VALVE COMPANY, DARLING VALVE AND MANUFACTURING COMPANY, KENNEDY VALVE COMPANY, OR MUELLER COMPANY.
- HYDRANT LOCATION SHALL BE APPROVED BY THE LOCAL FIRE MARSHALL.
- ALL FIRE HYDRANTS SHALL BE MANUFACTURED BY KENNEDY GUARDIAN OR MUELLER CENTURION.
- ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED AND DISINFECTED BEFORE ACCEPTANCE. SEE SITE WORK SPECIFICATIONS.
- THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS TEN FEET (10'). THE MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS EIGHTEEN INCHES (18").
- 6" GROSS DIAMETER SANITARY SEWER PIPE SHALL BE CONSTRUCTED OF SDR-35 PVC.
- ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
- SEE SITE SPECIFICATIONS FOR BACKFILLING AND COMPACTION REQUIREMENTS.
- SITE CONTRACTOR SHALL HAVE APPROVAL OF ALL GOVERNING AGENCIES HAVING JURISDICTION OVER THIS SYSTEM PRIOR TO INSTALLATION.
- ALL WORK ON THIS PLAN SHALL BE DONE IN STRICT ACCORDANCE WITH SITE WORK SPECIFICATIONS.
- ALL CASTON BRASS GRATE AND FRAMES ON INDOT STYLE INLETS ARE TO BE EAST JORDAN BRAND.
- LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
- BUILDING CONTRACTOR SHALL PROVIDE & INSTALL A PERMANENT INDICATING VALVE 12" ABOVE THE FLOOR ON THE FIRE LINE AT THE TERMINATION POINT. THIS VALVE WILL BE USED TO HYDROSTATIC PRESSURE TEST AGAINST & WILL REMAIN AS PART OF THE SYSTEM ONCE ALL TESTING IS COMPLETED. THE FIRE LINE MAIN WILL NOT BE DISMANTLED FOR CONNECTION TO THE FIRE SUPPRESSION SYSTEM. SITE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE FIRE MAIN WITH THE BUILDING CONTRACTOR.
- ALL PROJECTS WILL REQUIRE A PRE-CONSTRUCTION MEETING WITH THE CITY OF BLOOMINGTON UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR AND/OR DEVELOPER MUST CONTACT TOM AXSON AT (812)349-3633 TO SCHEDULE THE MEETING.
- CONTRACTOR SHALL NOTIFY THE CITY OF BLOOMINGTON UTILITIES ENGINEERING DEPARTMENT ONE (1) WORKING DAY PRIOR TO CONSTRUCTION OF ANY WATER, STORM OR SANITARY SEWER UTILITY WORK. A CBU INSPECTOR MUST HAVE NOTICE SO WORK CAN BE INSPECTED, DOCUMENTED, AND PROPER AS-BUILT MADE. WHEN A CONTRACTOR WORKS WEEKENDS, A CBU DESIGNATED HOLIDAY, OR BEYOND NORMAL CBU WORK HOURS, THE CONTRACTOR WILL PAY FOR THE INSPECTOR'S OVERTIME. FOR CBU WORK HOURS AND HOLIDAY INFORMATION, PLEASE CONTACT THE CITY OF BLOOMINGTON UTILITIES ENGINEERING DEPARTMENT AT (812)349-3660.

LANDSCAPE NOTES

- ALL PLANT MATERIAL SHALL ARRIVE ONSITE IN A HEALTHY, VIGOROUS CONDITION AND BE FREE OF PESTS AND DISEASE.
- ALL TREES SHALL BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT LIST.
- ALL TREES SHALL BE STRAIGHT-TRUNKED, FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL TREES SHALL BE QUILTED OR STAKED PLUMB AS SHOWN IN THE DETAILS.
- ALL PLANTING MASS BEDS SHALL BE SPADE CUT UNLESS SPECIFIED WITH A MOW STRIP OR OTHER INSTALL EDGING. TREES TO HAVE A 5" DIAMETER MULCH RING.
- ALL PLANTING AREAS SHALL BE COMPLETELY MULCHED WHERE SPECIFIED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION. PLANTING LOCATIONS MAY REQUIRE ADJUSTMENTS IN FIELD TO AVOID OVERHEAD AND UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND SPECIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING AND LAWN AREAS INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, PRUNING, FERTILIZING, ETC., UNTIL WORK IS ACCEPTED IN FULL BY THE OWNER.
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
- THE OWNER SHALL APPROVE THE STACKING LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST OR DRIP IRRIGATION SYSTEM PRIOR TO INSTALLATION. WATER ALL SPECIMENS WITHIN 24 HOURS OF PLANTING.
- ANY NEW OR TRANSPANTED PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFLOLIATES PRIOR TO TOTAL ACCEPTANCE OF THE WORK SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY AND SIZE TO MEET ALL PLANT LIST SPECIFICATIONS.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- ALL SHRUB, GROUNDCOVER, ANNUAL AND HERBACEOUS PERENNIAL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH HARDWOOD MULCH TO A MINIMUM DEPTH OF FOUR INCHES.
- DURING THE GROWING SEASON ALL ANNUALS AND HERBACEOUS PERENNIALS SHALL REMAIN IN A HEALTHY CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN ON PLANS.
- ALL DISTURBED AREAS NOT INCLUDED IN LANDSCAPE MULCH BEDS ARE TO BE DEBRIS-RAKED AND FINED-GRADED AS NEEDED, THEN MULCH SEEDED (OR SOODED, PER PLAN) AND WATERED UNTIL A HEALTHY STAND OF TURF IS ESTABLISHED.
- ANY PLANT OR OTHER LANDSCAPE MATERIAL SUBSTITUTIONS INSTALLED WITHOUT DESIGNER AND/OR OWNER APPROVAL SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE OWNER BEFORE, DURING AND AFTER INSTALLATION.



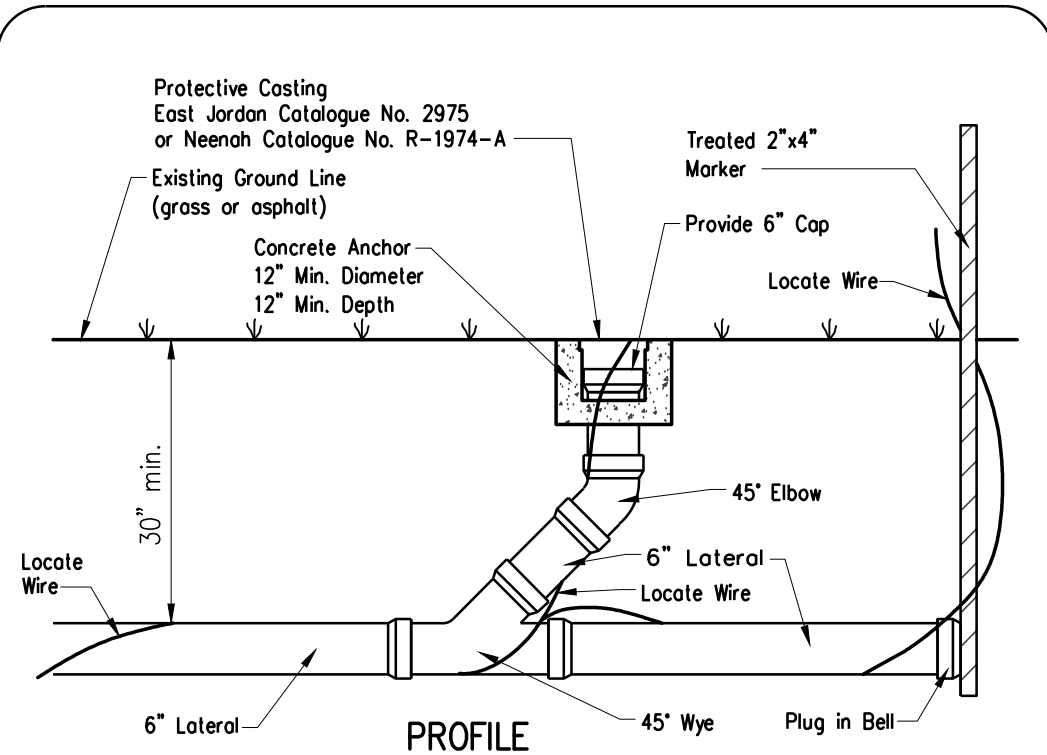
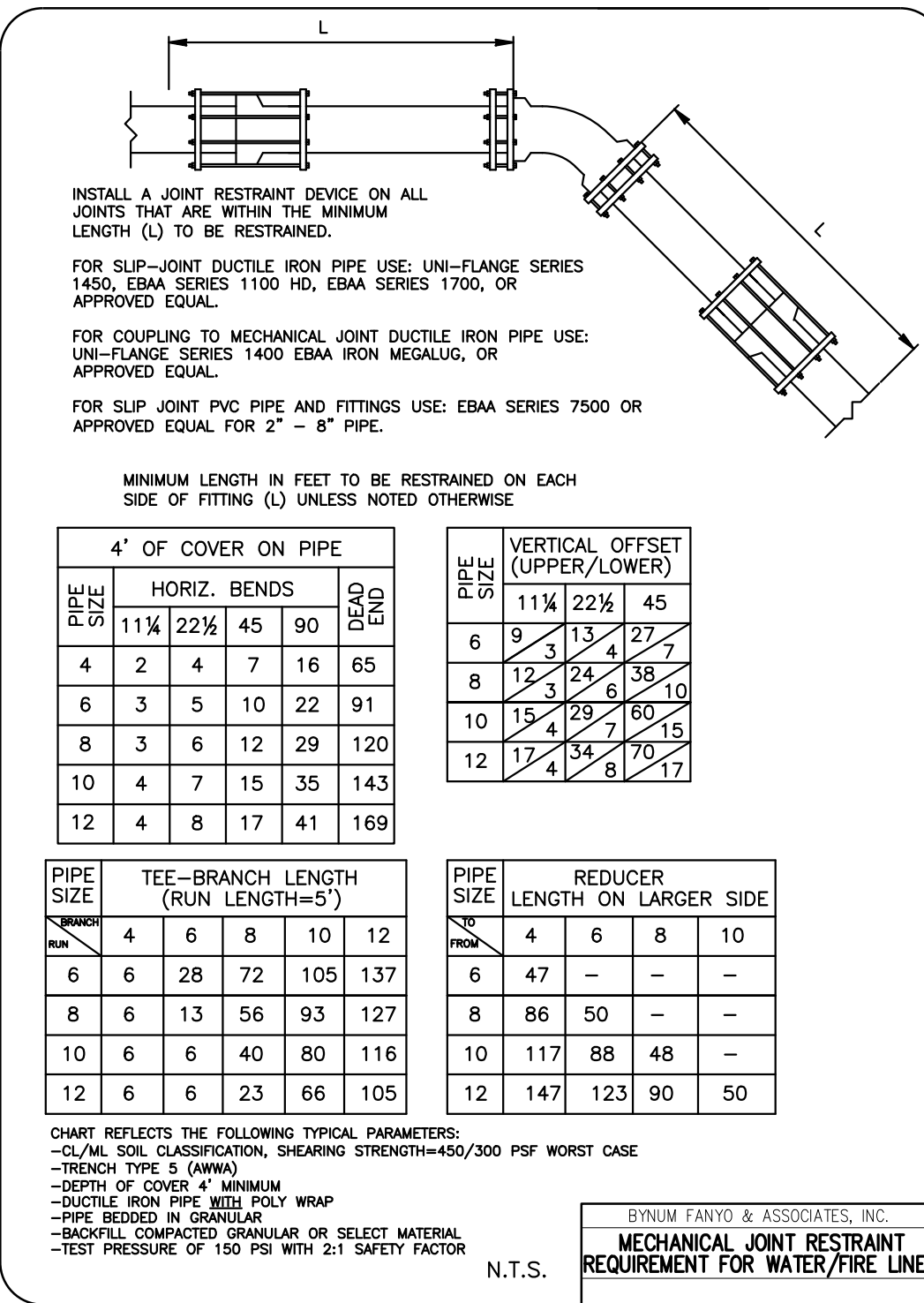
revisions:

ARCHITECTURE
 CIVIL ENGINEERING
 PLANNING
 BYNUM FANTO & ASSOCIATES, INC.
 Bloomington, Indiana
 528 north walnut street
 (812) 332-8030

certified by:

PROPOSED
 SELF STORAGE
 5050 W. SR. 46
 BLOOMINGTON, IN 47404

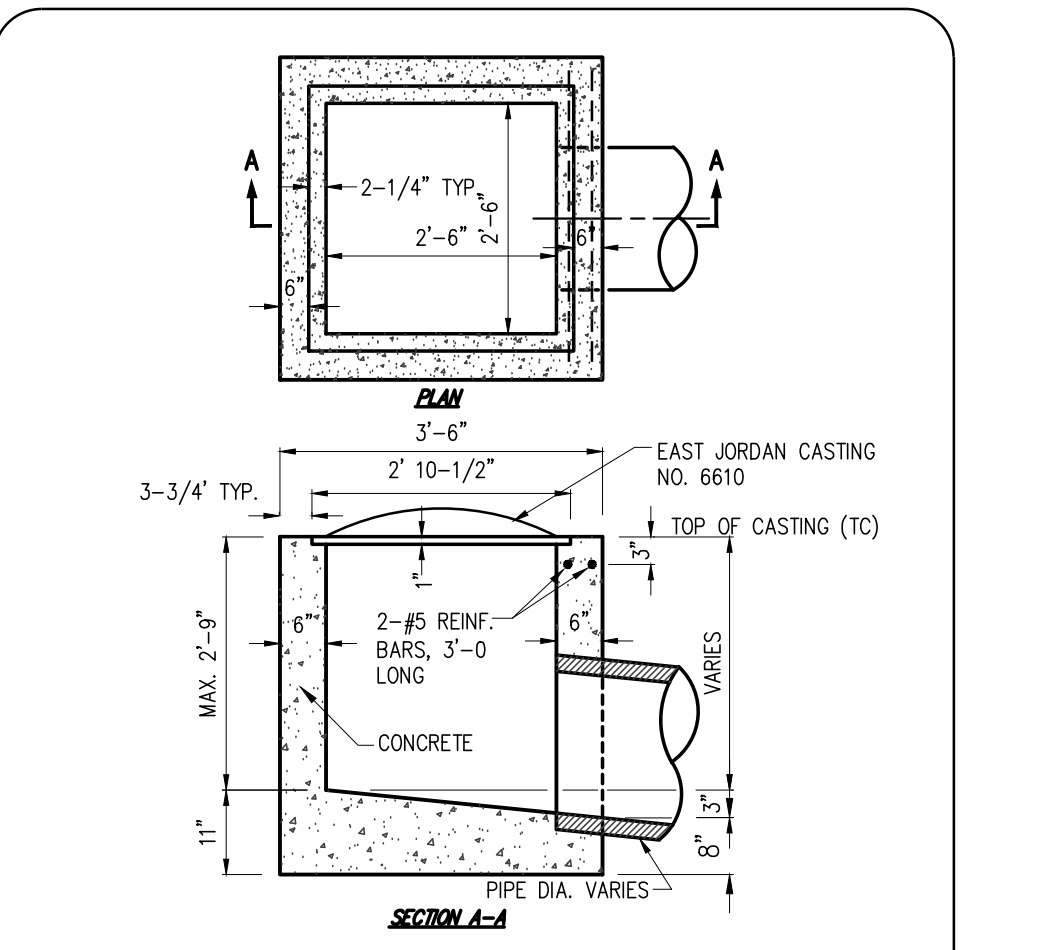
title: GENERAL NOTES
 & MISC. DETAILS
 designed by: JBT
 drawn by: JBT
 checked by: JSF
 sheet no: C101
 project no.: 402026



SANITARY LATERAL & CLEANOUT NOTES

- ALL CLEAN-OUTS, WHETHER IN GRASSY AREAS OR IN PAVEMENT, SHALL BE SUB-SURFACE AND PROTECTED BY A SUITABLE METAL CASTING, SUCH AS EAST JORDAN IRON WORKS CATALOGUE NO. 2975 OR NEDMAH CATALOGUE NO. R-1974-A. IN GRASSY AREAS, THE CASTING SHALL BE PROVIDED WITH A CIRCULAR CONCRETE COLLAR FLUSH WITH THE TOP OF THE CASTING AND THE GROUND SURFACE. THE COLLAR SHALL BE MINIMUM 4" THICK AND SHALL EXTEND AT LEAST 6" BEYOND THE OUTSIDE OF THE CASTING ON ALL SIDES. IN PAVED AREAS, THE TOP OF CASTING SHALL BE FLUSH WITH THE PAVEMENT SURFACE. TOP OF CLEAN-OUT SHALL BE NO MORE THAN 3" BELOW THE TOP OF CASTING.
- A CLEAN-OUT SHALL BE PROVIDED ON SANITARY SEWER LATERALS EVERY 90 FEET AND AT ALL BENDS.
- A #10 INSULATED SOLID COPPER LOCATOR WIRE SHALL BE WRAPPED AROUND ALL NONMETALLIC PIPES IN THE ROAD RIGHT OF WAYS SO THAT ONE REVOLUTION IS MADE AT LEAST EVERY PIPE JOINT. SPACES ARE TO BE MADE WITH AN APPROVED CONNECTOR, AND ARE TO BE SUITABLY PROTECTED AGAINST CORROSION. THE WIRE IS TO BE BROUGHT TO THE SURFACE AT THE PROPERTY LINE WITH A CLEAN-OUT IN A CASTING. ALSO SEE (STANDARD) SANITARY LATERAL CLEAN-OUT DETAIL (19) CBU CONSTRUCTION SPECIFICATIONS.

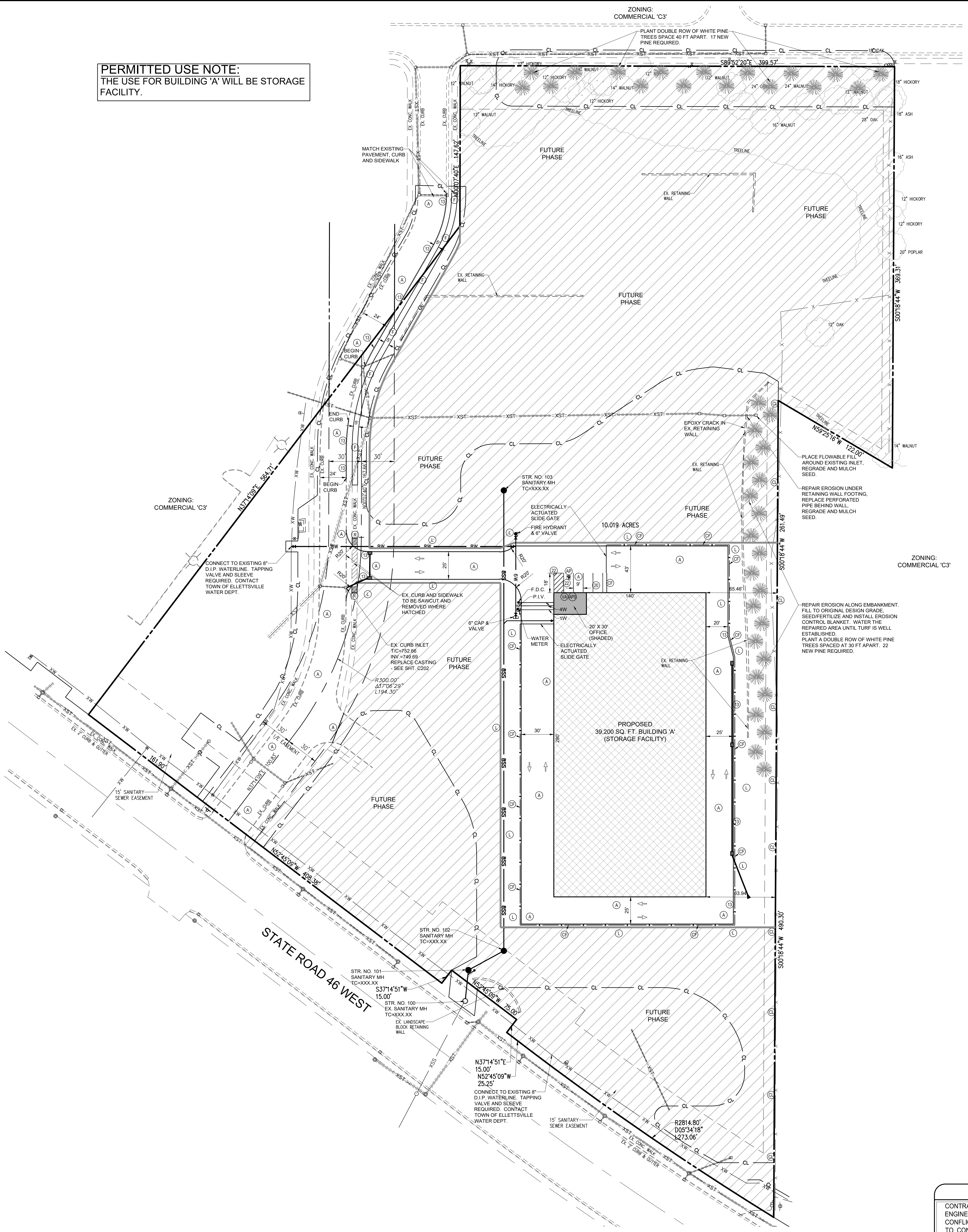
BYNUM FAYO & ASSOCIATES, INC.
 STANDARD SANITARY LATERAL CLEAN-OUT FOR 8" PIPES
 CBU STANDARD DETAIL NUMBER 19



NOTES:
 1. ALL PRECAST MANHOLES SHALL CONFORM TO ASTM C-478 AND THE STANDARD SPECIFICATIONS (MIN. 50 FT. OF REINFORCING - STEEL PER LINEAR FOOT OF BARREL SHALL 0.12).
 2. JOINTS BETWEEN SECTIONS OF PRECAST MANHOLES SHALL BE IN ACCORDANCE WITH ASTM C-443.

BYNUM FAYO & ASSOCIATES, INC.
 STORM INLET TYPE E
 NOT TO SCALE

PERMITTED USE NOTE:
 THE USE FOR BUILDING 'A' WILL BE STORAGE FACILITY.



EXISTING LEGEND

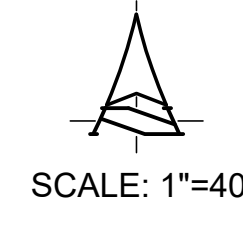
- PROPERTY LINE
- X FENCE
- XW WATER LINE PIPE
- XXX CONTOUR & ELEVATION
- XSS SANITARY SEWER PIPE
- XST STORM SEWER PIPE
- XOHE OVERHEAD ELECTRIC LINES
- XUGE UNDERGROUND ELECTRIC LINES
- XOHT OVERHEAD TELEPHONE LINES
- XUGT UNDERGROUND TELEPHONE LINE
- XGAS GAS LINE PIPE

SITE LEGEND

- (A) BITUMINOUS PAVEMENT
- (AP) ADA ACCESSIBLE PARKING SPACE
- (APS) ADA ACCESSIBLE PARKING SIGN
- (C) REINFORCED CONCRETE PAVEMENT
- (CF) 6 FT TALL CHAINLINK SECURITY FENCE SET 1 FT FROM PAVEMENT EDGE OR BACK OF CURB
- (CL) CONSTRUCTION LIMITS
- (CT) CONCRETE CURB TURNOUT
- (EC) END CONCRETE CURB CONSTRUCTION
- (F) CONCRETE SIDEWALK
- (FI) MONOLITHIC CONCRETE CURB AND SIDEWALK
- (GR) 42" GUARDRAIL - SEE ARCHITECTURAL PLANS
- (HR) 36" HANDRAIL - SEE ARCHITECTURAL PLANS
- (L) LAWN OR LANDSCAPED AREA
- (M) MATCH EXISTING CURB, SIDEWALK, PAVEMENT ELEVATIONS
- (PF) PRESSURE TREATED WOOD SHADOBX PRIVACY FENCE, HEIGHT AS SHOWN ON THE PLAN
- (PL) NEW PARKING LOT POLE LIGHT FIXTURE - SEE SITE LIGHTING NOTE THIS SHEET
- (PP) STANDARD ROAD PAVEMENT PATCH
- (PSD) 3' WIDE CONCRETE PAVED SIDE DITCH
- (RJ) SIDEWALK ADA ACCESSIBLE RAMP, # FOR STYLES 1-3
- (RW) REINFORCED CONCRETE RETAINING WALL - SEE ARCHITECTURAL PLANS
- (VA) VAN ACCESSIBLE SUPPLEMENTAL SIGN
- (V) 6-IN WIDE CONCRETE CURB
- (V3) 3-IN CONCRETE CURB, SAME AS V3 BUT 3-IN CURB HEIGHT
- (V4) 4-IN WIDE SOLID WHITE PAINTED PAVEMENT MARKING
- (V5) 4-IN WIDE SOLID BLUE PAINTED ADA PAVEMENT MARKING
- (XX) NUMBER OF PARKING SPACES PER LOT

UTILITY LEGEND

- 4W 4" POLYETHYLENE ENCASED D.I.P. WATERLINE
- 1W 1" SDR-21 PVC DOMESTIC WATER SERVICE LINE
- W WATER LINE GATE VALVE
- F.D.C. FIRE DEPARTMENT "STORZ" CONNECTION
- P.I.V. POST INDICATING VALVE
- 6SL 6" SDR-35 PVC SANITARY SEWER LATERAL (PRIVATELY OWNED)
- 6SS 6" SDR-35 PVC SANITARY SEWER MAIN (PRIVATELY OWNED)
- 12ST 12" ADS BRAND SERIES N-12 HDPE STORM SEWER PIPE (PRIVATELY OWNED)
- 15ST 15" ADS BRAND SERIES N-12 HDPE STORM SEWER PIPE (PRIVATELY OWNED)
- GAS GAS SERVICE LINE
- BLEC SCH 40 PVC ELECTRICAL GRADE CONDUIT - SIZE AS REQUIRED BY THE NATIONAL ELECTRICAL CODE - SEE NOTE THIS SHEET



NOTE TO CONTRACTOR

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS & DEPTHS AND NOTIFY ENGINEER OF ANY INACCURACIES IN LOCATION OR ELEVATION OR ANY CONFLICTS PRIOR TO & AFTER ANY EXCAVATION. NO PAYMENT SHALL BE MADE TO CONTRACTOR FOR UTILITY DESTRUCTION OR UNDERGROUND CHANGES REQUIRED DUE TO CONFLICTING ELEVATIONS.

revisions:

ARCHITECTURE
 CIVIL ENGINEERING
 PLANNING

Bloomington, Indiana
 (812) 339-2990 (Fax)

BYNUM FAYO & ASSOCIATES, INC.
 528 north walnut street
 (812) 332-8030

10.09.20

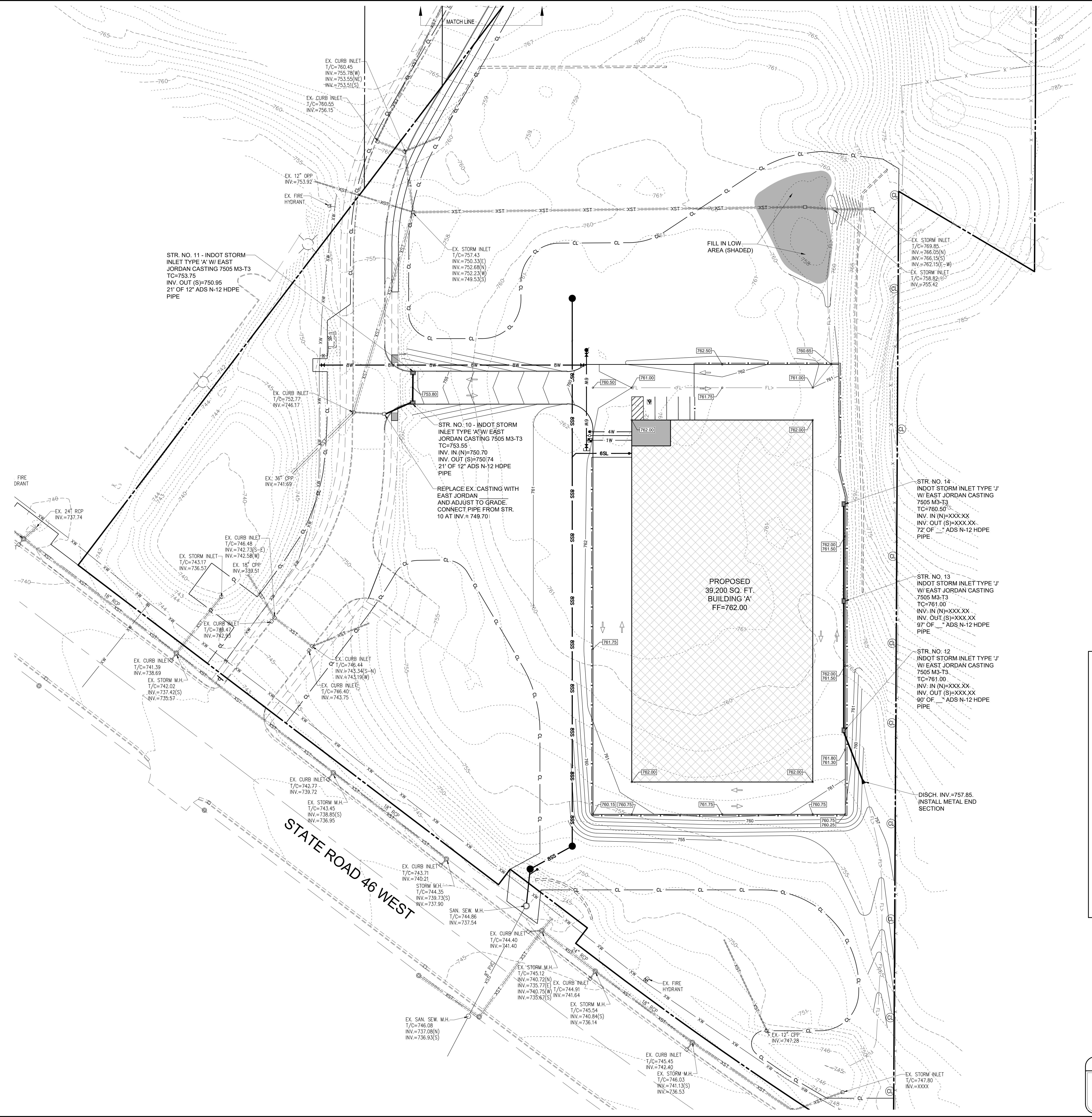
certified by:

PROPOSED SELF STORAGE

5050 W. SR. 46
 BLOOMINGTON, IN 47404

title: SITE, UTILITY & LANDSCAPE PLAN

designed by: JBT
 drawn by: JBT
 checked by: JSF
 sheet no: C201
 project no.: 402026



EXISTING LEGEND

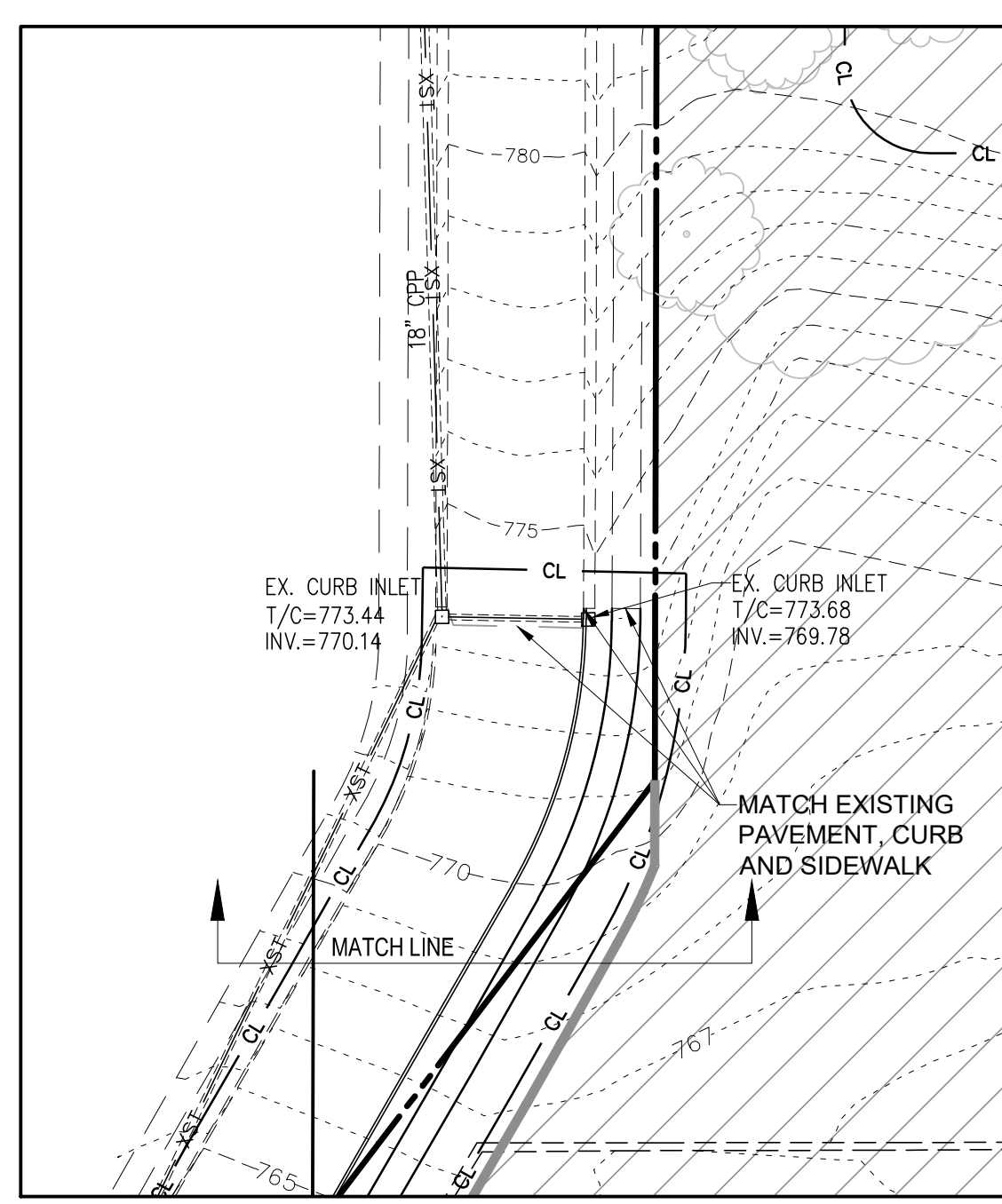
---	PROPERTY LINE
-X-	FENCE
-W-	WATER LINE PIPE
-XXX-	CONTOUR & ELEVATION
-XSS-	SANITARY SEWER PIPE
-XST-	STORM SEWER PIPE
-XOHE-	OVERHEAD ELECTRIC LINES
-XUGE-	UNDERGROUND ELECTRIC LINES
-XOHT-	OVERHEAD TELEPHONE LINES
-XUGT-	UNDERGROUND TELEPHONE LINES
-XGAS-	GAS LINE PIPE

UTILITY LEGEND

4W	4" POLYETHYLENE ENCASED D.I.P. WATERLINE
1W	1" SDR-21 PVC DOMESTIC WATER SERVICE LINE
W	WATER LINE GATE VALVE
F.D.C.	FIRE DEPARTMENT "STORZ" CONNECTION
P.I.V.	POST INDICATING VALVE
6SL	6" SDR-35 PVC SANITARY SEWER LATERAL (PRIVATELY OWNED)
8SS	8" SDR-35 PVC SANITARY SEWER MAIN (PRIVATELY OWNED)
12ST	12" ADS BRAND SERIES N-12 HDPE STORM SEWER PIPE (PRIVATELY OWNED)
15ST	15" ADS BRAND SERIES N-12 HDPE STORM SEWER PIPE (PRIVATELY OWNED)
GAS	GAS SERVICE LINE
ELC	SD4 40 PVC ELECTRICAL GRADE CONDUIT - SIZE AS REQUIRED BY THE NATIONAL ELECTRICAL CODE - SEE NOTE THIS SHEET

GRADING LEGEND

(M)	MATCH EXISTING CURB, SIDEWALK OR PAVEMENT
XXX	ELEVATION CONTOUR
FL>	FLOWLINE
XXXXXX	SPOT GRADE ELEVATION
XXXXXX	TOP OF CURB ELEVATION OVER PAVEMENT ELEVATION
FB=XXXX.XX	FINISH BASEMENT FLOOR ELEVATION
FC=XXXX.XX	FINISH CONCRETE PAVEMENT ELEVATION
FF=XXXX.XX	FINISH FLOOR ELEVATION
FG=XXXX.XX	FINISH EARTH GRADE ELEVATION
FGL=XXXX.XX	FINISH EARTH GRADE ELEVATION ON LOW SIDE OF RETAINING WALL
F.PATIO=XXXX.XX	FINISH PATIO ELEVATION
FW=XXXX.XX	FINISH WALK ELEVATION
TC=XXXX.XX	FINISH TOP OF CASTING ELEVATION AT FLOWLINE
TW=XXXX.XX	FINISH TOP OF RETAINING WALL ELEVATION



SCALE: 1"=30'

NOTE TO CONTRACTOR

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS & DEPTHS AND NOTIFY ENGINEER OF ANY INACCURACIES IN LOCATION OR ELEVATION OR ANY CONFLICTS PRIOR TO & AFTER ANY EXCAVATION. NO PAYMENT SHALL BE MADE TO CONTRACTOR FOR UTILITY DESTRUCTION OR UNDERGROUND CHANGES REQUIRED DUE TO CONFLICTING ELEVATIONS.

revisions:

ARCHITECTURE
CIVIL ENGINEERING
PLANNING

BAB
BYNUM FANTO & ASSOCIATES, INC.
528 north walnut street
Bloomington, Indiana
(812) 339-2990 (Fax)

10.09.20

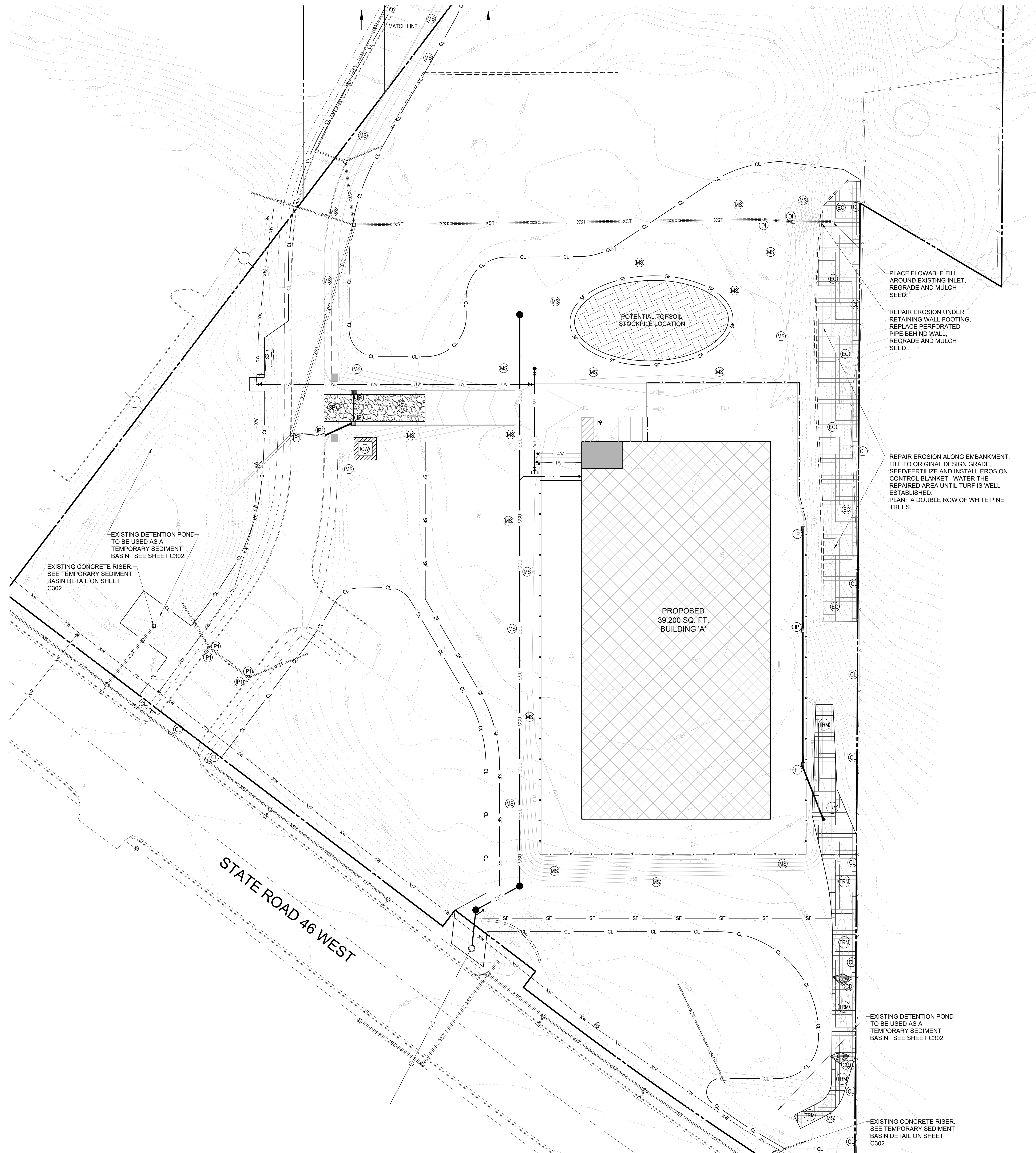
certified by:

PROPOSED SELF STORAGE

5050 W. SR. 46
BLOOMINGTON, IN 47404

title: GRADING & DRAINAGE PLAN

designed by: JBT
drawn by: JBT
checked by: JSF
sheet no: C202
project no.: 402026



EXISTING LEGEND

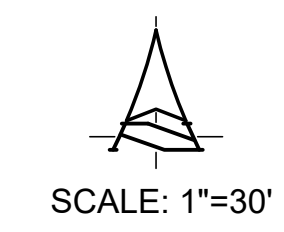
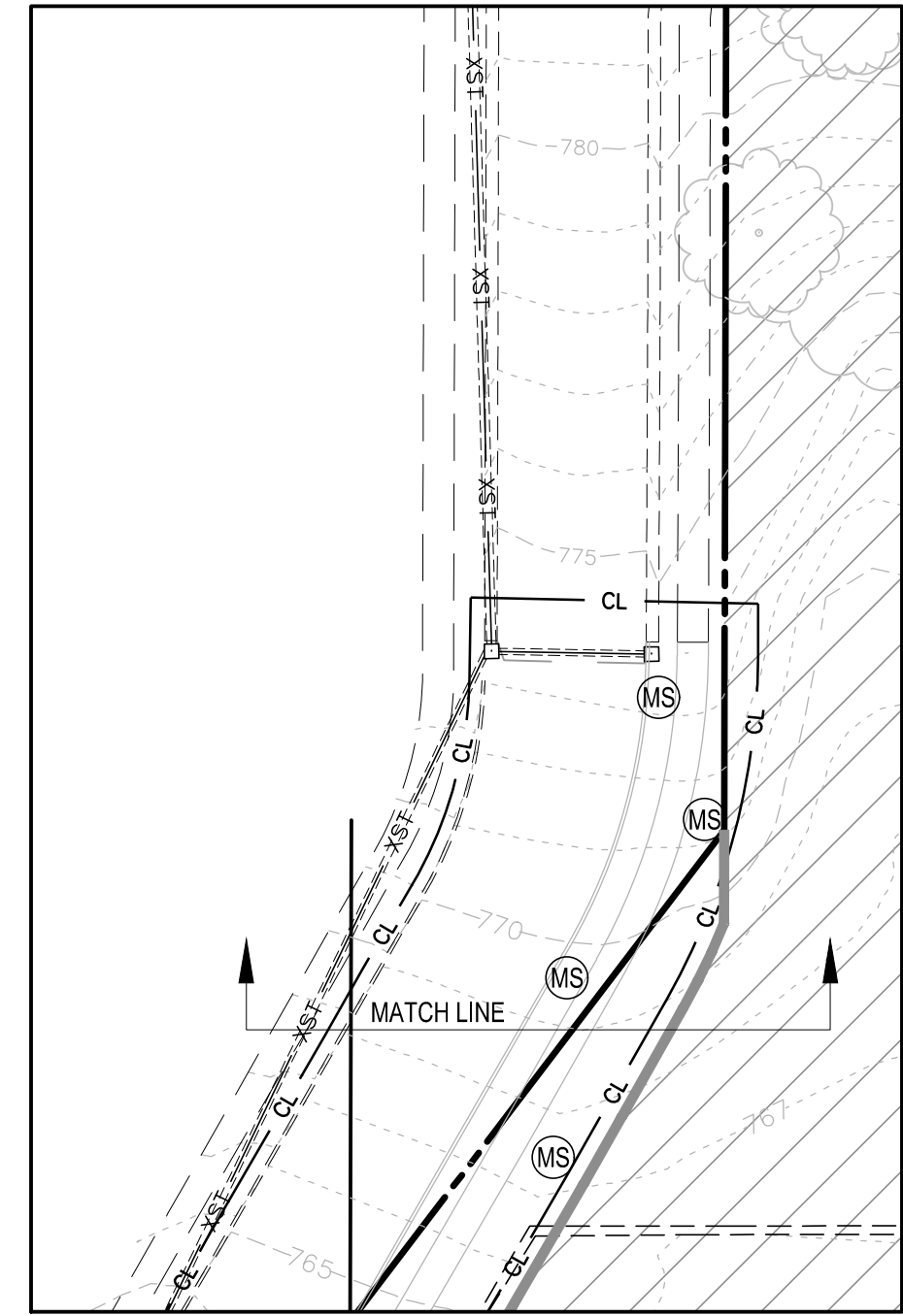
---	PROPERTY LINE
-X-	FENCE
-XW-	WATER LINE PIPE
-XXX-	CONTOUR & ELEVATION
-XSS-	SANITARY SEWER PIPE
-XST-	STORM SEWER PIPE
-XOHE-	OVERHEAD ELECTRIC LINES
-XUGE-	UNDERGROUND ELECTRIC LINES
-XOHT-	OVERHEAD TELEPHONE LINES
-XUGT-	UNDERGROUND TELEPHONE LINES
-XGAS-	GAS LINE PIPE

UTILITY LEGEND

4W	4" POLYETHYLENE ENCASED D.I.P. WATERLINE
1W	1" SDR-21 PVC DOMESTIC WATER SERVICE LINE
M	WATER LINE GATE VALVE
F.D.C.	FIRE DEPARTMENT "STORZ" CONNECTION
P.I.V.	POST INDICATING VALVE
6SL	6" SDR-35 PVC SANITARY SEWER LATERAL (PRIVATELY OWNED)
8SS	8" SDR-35 PVC SANITARY SEWER MAIN (XXXXXXXXXX)
12ST	12" ADS BRAND SERIES N-12 HDPE STORM SEWER PIPE (PRIVATELY OWNED)
15ST	15" ADS BRAND SERIES N-12 HDPE STORM SEWER PIPE (PRIVATELY OWNED)
GAS	GAS SERVICE LINE
ELC	SD4 40 PVC ELECTRICAL GRADE CONDUIT - SIZE AS REQUIRED BY THE NATIONAL ELECTRICAL CODE - SEE NOTE THIS SHEET

SWPPP LEGEND

CL	OR	DL	CONSTRUCTION LIMITS
SF			SILTATION FENCE (TEMPORARY)
CD			CHECK DAM (TEMPORARY)
CW			CONCRETE WASHOUT AREA (TEMPORARY)
DI			DROP INLET PROTECTION (TEMPORARY)
IP			INLET PROTECTION (TEMPORARY)
MS			MULCH SEEDING - SEE SPECIFICATIONS (TEMPORARY & PERMANENT)
SP			STONE PAD ENTRANCE, 20 FT X 75 FT (TEMPORARY)
TRM			TURF REINFORCEMENT MATTING (PERMANENT)



NOTE TO CONTRACTOR
 CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS & DEPTHS AND NOTIFY ENGINEER OF ANY INACCURACIES IN LOCATION OR ELEVATION OR ANY CONFLICTS PRIOR TO & AFTER ANY EXCAVATION. NO PAYMENT SHALL BE MADE TO CONTRACTOR FOR UTILITY DESTRUCTION OR UNDERGROUND CHANGES REQUIRED DUE TO CONFLICTING ELEVATIONS.

EXISTING DETENTION POND TO BE USED AS A TEMPORARY SEDIMENT BASIN. SEE SHEET C302.
 EXISTING CONCRETE RISER. SEE TEMPORARY SEDIMENT BASIN DETAIL ON SHEET C302.

PLACE FLOWABLE FILL AROUND EXISTING INLET, REGRADE AND MULCH SEED.

REPAIR EROSION UNDER RETAINING WALL FOOTING, REPLACE PERFORATED PIPE BEHIND WALL, REGRADE AND MULCH SEED.

REPAIR EROSION ALONG EMBANKMENT. FILL TO ORIGINAL DESIGN GRADE, SEED/FERTILIZE AND INSTALL EROSION CONTROL BLANKET. WATER THE REPAIRED AREA UNTIL TURF IS WELL ESTABLISHED. PLANT A DOUBLE ROW OF WHITE PINE TREES.

EXISTING DETENTION POND TO BE USED AS A TEMPORARY SEDIMENT BASIN. SEE SHEET C302.

EXISTING CONCRETE RISER. SEE TEMPORARY SEDIMENT BASIN DETAIL ON SHEET C302.

revisions:

ARCHITECTURE
 CIVIL ENGINEERING
 PLANNING

BBB
 BYNUM FAYO & ASSOCIATES, INC.
 528 north walnut street
 (812) 332-8030

10.09.20

certified by:

PROPOSED SELF STORAGE
 5050 W. SR. 46
 BLOOMINGTON, IN 47404

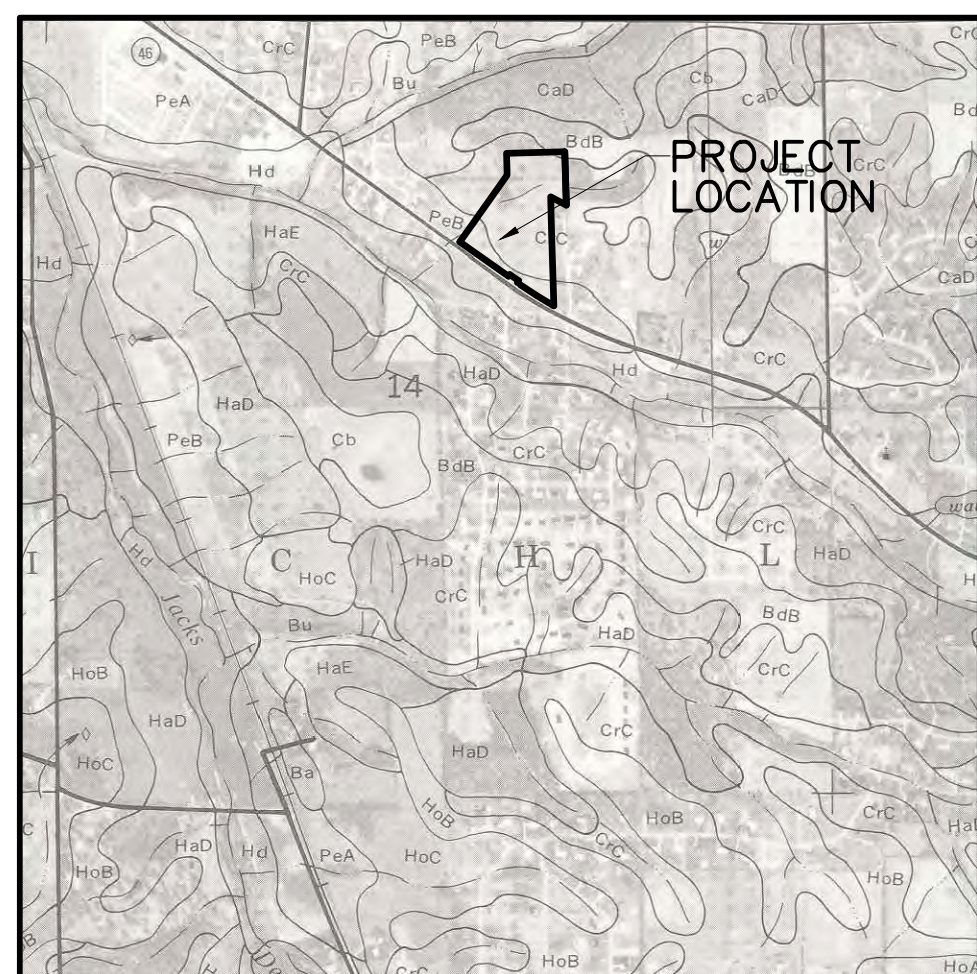
designed by: JBT
 drawn by: JBT
 checked by: JSF
 sheet no: C203
 project no.: 402026

title: SWPPP PLAN

RULE 5 NARRATIVE

SECTION A – CONSTRUCTION PLAN ELEMENTS

- A1. PLAN INDEX SHOWING LOCATIONS OF REQUIRED ITEMS:** REFER TO THIS NARRATIVE.
- A2. 11 X 17 INCH PLAT SHOWING BUILDING LOT NUMBER/BOUNDARIES AND ROAD LAYOUT/NAMES:** DOES NOT APPLY.
- A3. NARRATIVE DESCRIBING PROJECT NATURE AND PURPOSE:** THIS PROJECT WILL CONSIST OF THE CONSTRUCTION OF 6 BUILDINGS WITH ASPHALT DRIVE AISLES.
- A4. VICINITY MAP SHOWING PROJECT LOCATION:** SEE COVER SHEET.
- A5. LEGAL DESCRIPTION:** SE QUARTER SECTION 5, TOWNSHIP 8 NORTH, RANGE 1 WEST IN PERRY TWP, MONROE COUNTY, INDIANA. 39.2193N / 86.5997W.
- A6. LOCATION OF ALL LOTS AND PROPOSED SITE IMPROVEMENTS:** LOCATION OF PROPOSED SITE IMPROVEMENTS IS INDICATED ON PLAN SHEETS C201 AND C202. DEMOLITION OF EXISTING SITE IS SHOWN ON SHEET C201.
- A7. HYDROLOGIC UNIT CODE:** THE SITE DRAINS TO HUC14 AREA 05120202010100.
- A8. NOTATION OF ANY STATE OR FEDERAL WATER QUALITY PERMITS:** NO OTHER STATE OR FEDERAL PERMITS ARE REQUIRED FOR THIS PROJECT.
- A9. SPECIFIC POINTS WHERE STORM WATER DISCHARGE WILL LEAVE THE SITE:** SEE SHEET C202 AND C203.
- A10. LOCATION AND NAME OF ALL WETLANDS, LAKES, AND WATERCOURSES ON/OR ADJACENT TO THE SITE:** THERE ARE NO WETLANDS, LAKES OR NAMED WATERCOURSES ON OR IMMEDIATELY ADJACENT TO THE SITE.
- A11. IDENTIFY ALL RECEIVING WATERS:** UNNAMED TRIBUTARY TO JACKS DEFEAT CREEK IS THE RECEIVING WATER FOR THIS PROJECT.
- A12. IDENTIFICATION OF POTENTIAL DISCHARGES TO GROUNDWATER:** THERE IS NO EVIDENCE OF ANY CAVES OR SINKHOLES WITHIN THE CONSTRUCTION LIMITS.
- A13. 100 YEAR FLOOD PLAINS, FLOODWAYS, AND FLOODWAY FRINGES:** THERE ARE NO REGULATED FLOODPLAINS, FLOODWAYS OR FRINGES WITHIN THE PROPERTY LIMITS.
- A14. PRE-CONSTRUCTION AND POST CONSTRUCTION ESTIMATE OF PEAK DISCHARGE:** 100 YEAR PRE=XX / 100 YEAR POST=XX CFS
- A15. ADJACENT LAND USE, INCLUDING UPSTREAM WATERSHED:** ADJACENT LAND USES CONSIST OF A MIX OF COMMERCIAL AND RESIDENTIAL TO THE NORTH, SOUTH AND WEST AND ALL COMMERCIAL TO THE EAST.
- A16. LOCATIONS AND APPROXIMATE BOUNDARIES OF ALL DISTURBED AREAS:** SEE THE CONSTRUCTION LIMITS ON PLAN SHEETS C201-C204 AND C206.
- A17. IDENTIFICATION OF EXISTING VEGETATIVE COVER:** THE EXISTING SITE IS APPROXIMATELY 70% PAVED WITH SOME GRASS AND TREES.
- A18. SOIL MAP INCLUDING DESCRIPTIONS AND LIMITATIONS:** SEE THIS SHEET.
- A19. LOCATION, SIZE AND DIMENSIONS OF PROPOSED STORMWATER SYSTEMS:** SEE PLAN SHEETS C203 AND C204.
- A20. PLAN FOR ANY OFF-SITE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT:** SEE SHEETS C201-C204 AND C206 FOR PROPOSED PARKING SPACES, SEWER AND STORM SEWER EXTENSIONS AND TREE PLANTINGS WITHIN THE RIGHT OF WAY.
- A21. LOCATIONS OF PROPOSED SOIL STOCKPILES, BORROW AND/OR DISPOSAL AREAS:** SEE SHEET C203.
- A22. EXISTING SITE TOPOGRAPHY AT AN INTERVAL APPROPRIATE TO SHOW DETAILED DRAINAGE PATTERNS:** SEE SHEETS C202 AND C203. EXISTING CONTOURS SHOWN ARE AT 1 FT INTERVALS.
- A23. PROPOSED FINAL TOPOGRAPHY AT AN INTERVAL APPROPRIATE TO SHOW DETAILED DRAINAGE PATTERNS:** SEE PLAN SHEETS C202 AND C203. PROPOSED CONTOURS SHOWN ARE AT 1 FT INTERVALS.



SOILS MAP
SCALE: 1"=1/4 MILE

BdB – Bedford silt loam, 2 to 6 percent slopes. This gently sloping, moderately well drained soil is moderately deep to a frogpan. It is on narrow to broad ridgetops of the loess-covered uplands. Areas are generally narrow and long. They range from 3 to 100 acres and have a dominant size of about 40 acres. The available water capacity of this Bedford soil is moderate, and permeability is moderately above the frogpan and very slow within the frogpan. Surface runoff content from cultivated areas is medium. The organic matter content of the surface layer is low. The soil has a seasonal high water table at a depth of 2 to 4 feet during March and April. Because the frogpan is at a depth of 20 to 36 inches, root penetration is restricted and the water table is perched. This soil is moderately limited for dwellings without basements because of wetness and shrink and swelling. It is severely limited for dwellings with basements because of wetness. This soil is severely limited for local roads and streets by potential frost action and low strength. The limitation is severe for septic tank absorption fields because of wetness and the very slowly permeable frogpan.

CrC – Crider silt loam, 6 to 12 percent slopes. This moderately sloping, deep, well drained soil is on narrow and broad convex ridgetops of the uplands. Areas are generally elongated. They range from 3 to 200 acres and have a dominant size of about 40 acres. The available water capacity of this Crider soil is high, and permeability is moderate. Runoff from cultivated areas is medium. The organic matter content of the surface layer is low. This soil is moderately limited for dwellings with and without basements because of slope. This soil is severely limited for local roads and streets by low strength. Limitations are moderate for septic tank absorption fields because of slope and moderate permeability.

PeB – Pekin silt loam, 2 to 6 percent slopes. This gently sloping, moderately well drained soil is moderately deep to a frogpan. It is on broad low terraces along drainage ways. Also, it is subject to rare flooding. Areas are generally narrow and irregular in shape. They range from 3 to 100 acres and have a dominant size of about 10 acres. The available water capacity of this Pekin soil is moderate, and permeability is moderate above the frogpan and very slow within the frogpan. Surface runoff from cultivated areas is medium. The organic matter content of the surface layer is moderate. This soil has a seasonal high water table at a depth of 2 to 6 feet during March or April. Because the frogpan is at a depth of 24 to 36 inches, the water table is perched and root penetration is restricted. This soil is severely limited for dwellings and generally is unsuitable to this use because of rare flooding. Wetness is also a severe limitation where houses are constructed with basements. This soil is severely limited for local roads because of potential frost action. The limitations for septic tank absorption fields are also severe because of wetness and the very slowly permeable frogpan.

SECTION B – CONSTRUCTION COMPONENT

- B1. DESCRIPTION OF POTENTIAL POLLUTANT SOURCES ASSOCIATED WITH THE CONSTRUCTION ACTIVITIES:** SEE THE TABLE ENTITLED "POTENTIAL STORMWATER POLLUTANTS MATERIAL HANDLING AND SPILL PREVENTION" ON THIS SHEET.
- B2. SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION RELATIVE TO LAND DISTURBING ACTIVITIES:** THE FOLLOWING IS THE SEQUENCE FOR EROSION CONTROL IMPLEMENTATION:
1. THE CONTRACTOR SHALL ENSURE ALL PERSONNEL ON THE PROJECT ARE FAMILIAR WITH THE APPROPRIATE EROSION CONTROL MEASURES. THIS SHEET INCLUDES A VISUAL PRESENTATION OF SATISFACTORY AND UN-SATISFACTORY EXAMPLES OF EROSION CONTROL FEATURES AND METHODS.
 2. CONTACT THE TOWN OF ELLETTSVILLE PLANNING DEPT. PRIOR TO COMMENCING CONSTRUCTION.
 3. INSTALL SILT FENCE WHERE SHOWN IN THE PLANS.
 4. INSTALL SEDIMENT BASKETS IN THE EXISTING AISLES ALONG MORTON ST.
 5. INSTALL STONE PAD ENTRANCE TO THE SITE.
 6. PERFORM CONSTRUCTION ACTIVITIES AS SHOWN ON THE PLANS. DO NOT DISTURB TURF AREAS OUTSIDE OF CONSTRUCTION LIMITS SO THAT TURF ACTS AS A VEGETATIVE FILTER STRIP.
 7. ALL EROSION CONTROL STRUCTURES SHALL BE KEPT IN WORKING ORDER AND INSPECTIONS ARE CONDUCTED WEEKLY, AFTER EACH MEASURABLE RAIN EVENT, AND DAILY AS NECESSARY WITH EVERY DAY OCCURANCES.
 8. UPON COMPLETION OF CONSTRUCTION OF ALL IMPROVEMENTS REDISTRIBUTE TOP SOIL TO ALL PROPOSED GRASSSED AREAS. MULCH SEED ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF ALL EARTHMOVING AND UNDERGROUND UTILITY WORK IN ACCORDANCE WITH THE MULCH SEEDING SPECIFICATIONS ON SHEET C402. WATER SEEDED AREAS UNTIL MATURE TURF IS ESTABLISHED. FERTILIZER MAY BE USED ONLY IF SOIL TESTING INDICATES THE NEED FOR FERTILIZER.
 9. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES UPON THE ESTABLISHMENT OF MATURE GRASS TURF.

- B3. STABLE CONSTRUCTION ENTRANCE LOCATIONS AND SPECIFICATIONS:** SEE SHEET C203 AND THE DETAIL ON SHEET C403.
- B4. SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS:** SHEET FLOW AREAS SHALL BE TEMPORARILY OR PERMANENTLY SEEDED DEPENDING ON THE STAGE OF CONSTRUCTION.
- B5. SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS:** THERE WILL BE NO SIGNIFICANT CONCENTRATED FLOW AREAS THAT WILL REQUIRE SEDIMENT CONTROL OTHER THAN SEEDING.
- B6. STORM SEWER INLET PROTECTION MEASURE LOCATION:** SEE SHEET C203. THE EXISTING INLETS ALONG MORTON ST. ARE TO BE PROTECTED VIA THE INLET PROTECTION DETAIL SHOWN ON THIS SHEET.
- B7. RUNOFF CONTROL MEASURES:** SEE SHEET C203 AND THE DETAILS BEGINNING ON SHEET C204.
- B8. STORMWATER OUTLET PROTECTION SPECIFICATIONS:** STORM SEWER PIPES WILL DISCHARGE TO THE EXISTING STORM SEWER SYSTEM.
- B9. GRADE STABILIZATION STRUCTURE LOCATIONS AND SPECIFICATIONS:** DOES NOT APPLY TO THIS PROJECT.

- B10. LOCATION, DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS OF EACH STORMWATER QUALITY MEASURE:** SEE PLAN SHEETS C203 AND C204 AS WELL AS THE DETAILS ON C402 AND C403.
- B11. TEMPORARY SURFACE STABILIZATION METHODS APPROPRIATE FOR EACH SEASON:** FOR WINTER/LATE WINTER PERIODS UTILIZE THE "DORMANT SEEDING & FROST SEEDING" PRACTICE. THERE SHOULD BE NO DELAY IN APPLYING SEED TO IDLE/INACTIVE AREAS OR AREAS THAT ARE ANTICIPATED TO BECOME IDLE/INACTIVE FOR MORE THAN 14 DAYS.
- B12. PERMANENT SURFACE STABILIZATION SPECIFICATIONS:** PERMANENT STABILIZATION SHALL OCCUR AS EARLY AS POSSIBLE DURING CONSTRUCTION OR AREAS TO BE IDLE OR INACTIVELY WORKED FOR 6 MONTHS OR MORE.

B13. MATERIAL HANDLING AND SPILL PREVENTION PLAN: ALL MATERIALS ON-SITE WILL BE HANDLED PER THE REQUIREMENTS OF THE MSDS SHEETS. THE CONTRACTOR SHALL HAVE AN EMERGENCY SPILL CLEAN-UP KIT ON SITE FOR RECOVERY OF PETROLEUM PRODUCT SPILLS AT ALL TIMES. IF A REPORTABLE AMOUNT OF SEDIMENT LADEN WATER OR OTHER POLLUTANT IS ALLOWED TO LEAVE THE SITE, THE CONTRACTOR IS OBLIGATED TO NOTIFY IDEM'S SPILL LINE AT (317) 233-7745 WITHIN 24 HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINES AND ANY LIABILITY ASSOCIATED WITH SUCH AN EVENT. SEDIMENT LADEN WATER, WHICH OTHERWISE WOULD FLOW FROM THE PROJECT SITE, SHALL BE TREATED BY EROSION AND SEDIMENT CONTROL MEASURES APPROPRIATE TO MINIMIZE SEDIMENTATION. ALL WATER (INCLUDING STORMWATER, GROUNDWATER, OR ANY OTHER WATER) THAT LEAVES THE CONSTRUCTION SITE MUST HAVE A TOTAL SUSPENDED SOLIDS LEVEL OF LESS THAN 50 PARTS PER MILLION OR HAVE NO VISIBLE SEDIMENT. THIS CAN BE DETERMINED ON SITE BY TAKING A SETTLEABLE SOLIDS SAMPLE WITH AN IMHOFF CONE WITH A RESULT OF LESS THAN 0.5 ML PER LITER. IT SHOULD BE EXPECTED THAT ALL MATERIALS NECESSARY TO CONSTRUCT THE PROPOSED SITE IMPROVEMENTS WILL BE ENCOUNTERED ON SITE AT ONE TIME OR ANOTHER. ALL MATERIALS THAT APPEAR ON SITE WILL BE ACCOMPANIED WITH MSDS SHEETS IN ACCORDANCE WITH OSHA GUIDELINES AND THE CODE OF FEDERAL REGULATION (CFR). MSDS SHEETS PROVIDE AMONG OTHER THINGS, THE PROCEDURES FOR CLEAN-UP OF SPILLS AND LEAKS. REFER TO ITEM B1 ABOVE FOR ADDITIONAL INFORMATION.

ALL SPILLS REPORTED TO IDEM WITHIN 24 HOURS AFTER INCIDENT. ALSO, PROVIDE TO THE MONROE COUNTY HIGHWAY DEPARTMENT STORMWATER SERVICES 24 HOURS AFTER ANY REQUEST AS INDICATED ABOVE. CONTACT AT (812) 349-2960

B14. MONITORING AND MAINTENANCE GUIDELINES FOR EACH PROPOSED POLLUTION PREVENTION MEASURE: MONITORING AND MAINTENANCE OF ALL POLLUTION PREVENTION MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INSPECT ALL MEASURES AT LEAST ONCE A WEEK AND AFTER EACH STORM EVENT. THE CONTRACTOR SHALL PREPARE A WRITTEN REPORT FOR EACH INSPECTION NOTING CONDITIONS AND MAINTENANCE PROVIDED. A COPY OF EACH REPORT SHALL BE KEPT ON FILE AT THE PROJECT SITE. REFER TO EACH PREVENTION MEASURE DETAIL FOR CONSTRUCTION AND MAINTENANCE GUIDELINES.

ALL SPILLS REPORTED TO IDEM WITHIN 24 HOURS AFTER INCIDENT. ALSO, PROVIDE TO THE MONROE COUNTY HIGHWAY DEPARTMENT STORMWATER SERVICES 24 HOURS AFTER ANY REQUEST AS INDICATED ABOVE. CONTACT AT (812) 349-2960

SUBMIT SELF-MONITORING INSPECTION TO THE MS 4 ASSISTANT WITHIN 48 HOURS OF ANY REQUEST

B15. EROSION & SEDIMENT CONTROLS SPECIFICATIONS FOR INDIVIDUAL BUILDING LOTS: THIS ITEM DOES NOT APPLY TO THIS PROJECT.

SECTION C – POST CONSTRUCTION COMPONENT

C1. DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED WITH WITH THE PROPOSED LAND USE: THE MAIN POST CONSTRUCTION POLLUTANTS WILL COME FROM THE PROPOSED DRIVE AISLES. POLLUTANTS MAY INCLUDE CAR FUEL, OIL, ANTIFREEZE, SUSPENDED SOLIDS, NITROGEN, PHOSPHORUS, COPPER, LEAD, AND ZINC.

C2. SEQUENCE DESCRIBING STORM WATER QUALITY MEASURE IMPLEMENTATION RELATIVE TO LAND DISTURBING ACTIVITIES: THE SITE CURRENTLY CONTAINS A DETENTION/WATER QUALITY POND.

C3. DESCRIPTION OF PROPOSED POST CONSTRUCTION STORMWATER QUALITY MEASURES: THE SITE CURRENTLY CONTAINS A DETENTION/WATER QUALITY POND.

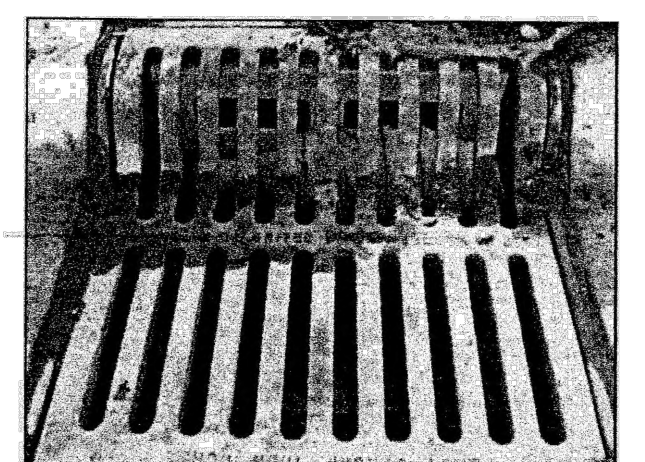
C4. LOCATION, DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS OF EACH STORMWATER QUALITY MEASURE: SEE PLAN SHEETS C203 AND C204 AS WELL AS THE DETAILS BEGINNING ON SHEET C403.

C5. DESCRIPTION OF MAINTENANCE GUIDELINES FOR PROPOSED POST CONSTRUCTION WATER QUALITY MEASURES: SEE THE BMP O&M MANUAL PREPARED FOR THIS PROJECT.

(P1)
TEMPORARY CURB & PAVED AREA INLET PROTECTION

Insert (Basket) Curb Inlet Protection

Insert (basket) curb inlet protection is a temporary sediment control measure consisting of a metal frame or basket that is used to support a geotextile fabric. The system is installed under the storm sewer grate.



Purpose

To minimize sediment from entering the storm sewer system while allowing runoff to enter the storm sewer system in the event of excessive storm events. This measure traps sediment associated with small storm events below the grade of the paved area. This measure does not place an obstruction in the street to trap sediment and is especially conducive to stages of construction when the public has access to the project site.

Note: This measure should be used in conjunction with other sediment control measures.

Specifications

Contributing Drainage Area: One-quarter acre maximum.

Capacity

Runoff from a two-year frequency, 24-hour storm event entering a storm drain without bypass flow.

Location

- At curb inlets on paved roads and parking lots.
- Down grade from construction activities (e.g., individual home sites).

Materials

- Metal frame or basket with a top width and length such that the frame fits into the inlet. (The frame is supported by the structural integrity of the storm sewer.)
- The metal frame or geotextile should be designed with a bypass to allow storm water to flow into the storm sewer system during excessive storm events.
- The system should be designed for ease of maintenance.
- Geotextile fabric.

Table 1. Geotextile Fabric Specifications

Physical Property	Woven	Non-Woven
Filtering Efficiency	85%	85%
UV Resistance	70%	85%
(Inhibitors and stabilizers to ensure six month minimum life at temperatures of 0°F to 120°F)		
Tensile Strength at 20% Elongation:		
Standard Strength	30 lbs./linear inch	50 lbs./linear inch
Extra Strength	50 lbs./linear inch	70 lbs./linear inch
Slurry Flow Rate	0.3 gal./min./sq. ft.	4.5 gal./min./sq. ft.
Water Flow Rate	15 gal./min./sq. ft.	220 gal./min./sq. ft.

Installation

1. Remove the storm sewer grate and place the frame into the grate opening.
2. Place geotextile fabric into the frame and secure according to the manufacturer's recommendations.
3. Replace the storm sewer grate.

Maintenance

- Inspect daily.
- Remove accumulated sediment and debris after each storm event. Deposit sediment in an area where it will not re-enter the paved area or storm drains.
- Replace or clean geotextile fabric as needed.
- When the contributing drainage area has been stabilized, remove inlet protection.

Potential Storm Water Pollutants Material Handling and Spill Prevention				
Trade Name Material	Source	Chemical/Physical Description	Storm Water Pollutants	Remedial Action
Fertilizer	Landscaping Activities	Liquid or solid grains	Nitrogen, Phosphorus	(1), (2), (3)
Cleaning Solvents	Normal Business Operation	Colorless, blue or yellow-green liquid	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates	Seal drains and inlets with plastic and/or tape and collect excess. (1), (2), (3), (4)
Asphalt	Site Construction	Black solid	Oil, petroleum distillates	(1), (2) due to contamination of runoff before curing is complete
Concrete	Bridge Construction	White solid	Limestone, sand	Concrete washout areas shall be utilized and concrete disposed of properly once hardened (2)
Paints	Roadway Striping	Various colored liquids	Metal oxides, standard solvent, talc, calcium carbonate, arsenic	Care should be taken to minimize overspray (1), (2), (3), (4)
Curing Compounds	Site Construction	Creamy white liquid	Naphtha	(1), (2), (3), (4)
Wastewater from const. equipment washing	Construction Equipment	Water	Soil, oil, grease, acids	Equipment washing shall be executed in a location which does not cause wastewater to drain directly to storm sewers or ditches (i.e. flat vegetated areas) (2)
Hydraulic outfalls	Construction Equipment, Cars	Brown oily petroleum hydrocarbon	Mineral oil	Storm structures incorporate a hooded outlet preventing floatables from exiting site. (3), (4)
Gasoline	On site storage tanks, cars, construction equipment, fueling operations	Colorless, pale brown or pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE	Storage tanks shall have emergency storage capacity below tank in case of rupture. 3x3x6" spill pans shall be used during fueling (3), (4)
Diesel Fuel	On site storage tanks, cars, construction equipment, fueling operations	Clear, blue-green to yellow liquid	Bpetroleum distillate, oil and grease, naphthalene, xylenes	Storage tanks shall have emergency storage capacity below tank in case of rupture. 3x3x6" spill pans shall be used during fueling (3), (4)
Kerosene	Cleaning Operations, Heaters	Pale yellow liquid petroleum hydrocarbon	Coal oil, petroleum distillates, arsenic, copper	3x3x6" spill pans shall be used during fueling operations and cleaning of equip. to catch excess. (1), (2), (3), (4)
Antifreeze Coolant	Construction Equipment, Cars	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)	(1), (2), (3), (4)
Soil Erosion	Exposed Soil	Solid particles	Soil sediment	Erosion control measures (this site)
Solid Waste Trash	Normal Business Operation	Trash, debris, refuse	Trash, debris, refuse	Trash cans shall be utilized on site during and after construction

This table was provided for general information only to supplement information used in the Rule 5 permitting process. The contractor is responsible for material handling and spill mitigation procedures.
Notes:
1. All excess materials shall be collected and disposed of in accordance with all federal, state and local regulations.
2. Material shall not be applied immediately preceding, during or following rainfall (when applicable).
3. Spillage should be cleaned immediately by a trained individual and disposed of per Note (2).
4. Store in sealed containers appropriate for specific use.

revisions:

ARCHITECTURE
CIVIL ENGINEERING
PLANNING

Bloomington, Indiana
(812) 339-2990 (Fax)

B&B
BYNUM FANTO & ASSOCIATES, INC.

528 north walnut street
(812) 332-8030

10.09.20

certified by:

**PROPOSED
SELF STORAGE**

5050 W. SR. 46
BLOOMINGTON, IN 47404

title: SWPPP
INFORMATION &
DETAILS

designed by: JBT
drawn by: JBT
checked by: JSF
sheet no: C301
project no.: 402026

