

PLAN FOR  
SAINT LUKE'S EAST - NORTH PARKING LOT EXPANSION  
CITY OF LEE'S SUMMIT, MISSOURI

GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF CITY OF LEE'S SUMMIT, MISSOURI.
2. LINEAL FOOT MEASUREMENTS SHOWN ON THE PLANS ARE HORIZONTAL MEASUREMENTS, NOT SLOPE MEASUREMENTS. ALL PAYMENTS SHALL BE MADE ON HORIZONTAL MEASUREMENTS.
3. THE UTILITY LOCATIONS SHOWN ON THESE PLANS ARE TAKEN FROM UTILITY COMPANY RECORDS AND ARE APPROXIMATE ONLY. THEY DO NOT CONSTITUTE ACTUAL FIELD LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF THE SENATE BILL NUMBER 583, 78TH GENERAL ASSEMBLY OF THE STATE OF MISSOURI. THE BILL REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT-OF-WAY DO SO ONLY AFTER GIVING NOTICE TO, AND OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS ADVANCE NOTICE. THE NAMES AND TELEPHONE NUMBERS OF UTILITY COMPANIES, EVEN IF ONLY REMOTELY INVOLVED WITH THIS PROJECT ARE AS FOLLOWS:

ELECTRIC	KANSAS CITY POWER & LIGHT CO.	888-474-5275
GAS	MISSOURI GAS ENERGY	816-756-5252
WATER	CITY OF LEE'S SUMMIT	816-969-1940
TELEPHONE	AT&T	800-464-7928
SEWER	CITY OF LEE'S SUMMIT	816-969-1940
CABLE TV	TIME WARNER	816-358-8833
	COMCAST	816-833-3400



THE CONTRACTOR MAY ALSO UTILIZE THE FOLLOWING TOLL FREE PHONE NUMBER PROVIDED BY "MISSOURI ONE CALL SYSTEM, INC.": 1-(800)-DIG RITE. THIS PHONE NUMBER IS APPLICABLE ANYWHERE WITHIN THE STATE OF MISSOURI. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL NOTIFY ALL THOSE COMPANIES WHICH HAVE FACILITIES IN THE NEAR VICINITY OF THE CONSTRUCTION TO BE PERFORMED.

5. PRIOR TO ORDERING PREFABRICATED STRUCTURES, SHOP DRAWINGS SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL.
6. THE CONTRACTOR SHALL PROTECT ALL MAJOR TREES FROM DAMAGE. NO TREE SHALL BE REMOVED WITHOUT PERMISSION OF THE OWNER, UNLESS SHOWN OTHERWISE.
7. CLEARING AND GRUBBING OPERATIONS AND DISPOSAL OF ALL DEBRIS SHALL BE PERFORMED BY THE CONTRACTOR IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES.
8. ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS TO BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED. ALL EXISTING UTILITIES SHALL BE ADJUSTED AS REQUIRED.
9. ALL EXCESS AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF AT A LOCATION OFF SITE PROVIDED BY THE CONTRACTOR.
10. SUBGRADE SOIL FOR ALL CONCRETE STRUCTURES, REGARDLESS OF THE TYPE OR LOCATION, SHALL BE FIRM, DENSE AND THOROUGHLY COMPACTED AND CONSOLIDATED; SHALL BE FREE FROM MUCK AND MUD; AND SHALL BE SUFFICIENTLY STABLE TO REMAIN FIRM AND INTACT UNDER THE FEET OF THE WORKMEN OR MACHINERY ENGAGED IN SUBGRADE SURFACING, LAYING REINFORCING STEEL, AND DEPOSITING CONCRETE THEREON. IN ALL CASES WHERE SUBSOIL IS MUCKY OR WORKS INTO MUD OR MUCK DURING SUCH OPERATION, A SEAL COURSE OF EITHER CONCRETE OR ROCK SHALL BE PLACED BELOW SUBGRADE TO PROVIDE A FIRM BASE FOR WORKING AND FOR PLACING THE FLOOR SLAB.
11. ALL EXCAVATION SHALL BE UNCLASSIFIED. NO SEPARATE PAYMENT WILL BE MADE FOR ROCK EXCAVATION.

FLOOD NOTE:

THIS PROPERTY LIES WITHIN FLOOD ZONE X, DEFINED AS AREAS OF DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON THE FLOOD INSURANCE RATE MAP, PREPARED BY THE FEDERAL EMERGENCY AGENCY'S NATIONAL FLOOD INSURANCE PROGRAM FOR LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, MAP NUMBER 29095C0409G AND DATED JANUARY 20, 2017.

SPECIFICATIONS

ALL WORK PERFORMED AND MATERIALS FURNISHED WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CITY OF LEE'S SUMMIT, MISSOURI. THE CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS OF THE "AMERICAN PUBLIC WORKS ASSOCIATION, KANSAS CITY METROPOLITAN CHAPTER" AND ARE HEREBY MADE THE SPECIFICATIONS FOR THIS SET OF PLANS BY REFERENCE AS THOUGH FULLY SET FORTH HEREIN.

NOTE:

1. BY USE OF THESE PLANS THE CONTRACTOR AGREES THAT HE/SHE SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF THE CONSTRUCTION WORKERS AND OF THE PUBLIC.
2. ALL CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS SET FORTH BY THE KANSAS CITY CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION AND THE CITY OF LEE'S SUMMIT, MISSOURI, WHICHEVER IS MORE STRICT.
3. THE CONTRACTOR SHALL CONTACT THE CITY'S DEVELOPMENT SERVICES ENGINEERING INSPECTORS 48 HOURS PRIOR TO ANY LAND DISTURBANCE WORK AT (816)969-1200.



GENERAL LOCATION

PROJECT BENCHMARKS

BENCHMARK 1 ELEV.: 982.17  
SET 5 PUNCH HOLES IN THE TOP OF A SOUTHWEST FLANGE BOLT ON A FIRE HYDRANT IN THE SOUTHEAST QUADRANT OF SOUTH RING ROAD AND DRIVE ENTRANCE SOUTHWEST OF THE HELICOPTER PAD.

BENCHMARK 2 ELEV.: 983.85  
SET 5 PUNCH HOLES IN THE TOP OF A SOUTHWEST FLANGE BOLT ON A FIRE HYDRANT IN THE SOUTHEAST QUADRANT OF SOUTH RING ROAD AND PARK LOT E TO 50± DUE SOUTH OF THE SOUTHWEST CORNER OF MEDICAL OFFICE BUILDING.

LEGAL DESCRIPTION:

ALL OF LOT 1, SAINT LUKES HOSPITAL OF LEE'S SUMMIT LOTS 1 & 2, A SUBDIVISION OF LAND IN THE CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI.

CIVIL INDEX OF SHEETS

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L202	LANDSCAPE DETAILS

DESIGN ENGINEER

MATT EBLEN  
1700 SWIFT AVE, SUITE 100  
NORTH KANSAS CITY, MO  
913-307-2588  
MEBLEN@MECRESULTS.COM

PREPARED & SUBMITTED BY:

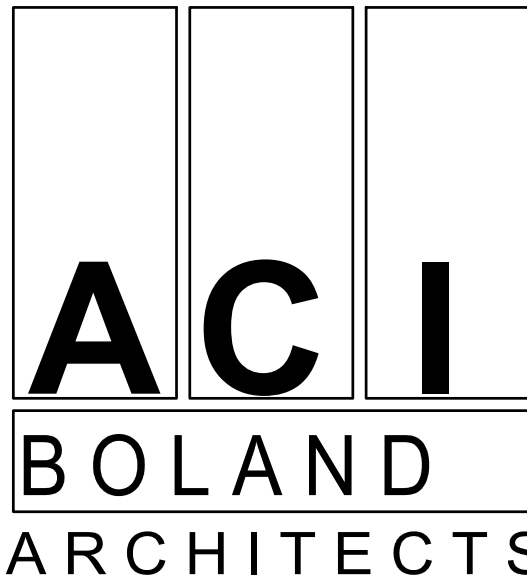
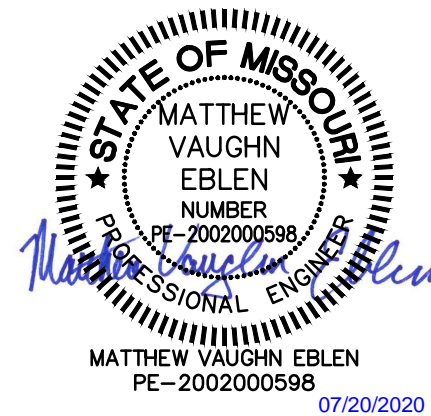
McCLURE  
1700 SWIFT STREET, SUITE 100  
NORTH KANSAS CITY, MISSOURI 64116

ENGINEER

DATE

ACCEPTED BY:

DATE



1710 Wyandotte  
Kansas City, MO 64108  
T: 816.763.9600

ACI/Boland, Inc.  
Kansas City | St. Louis  
Licensee's Certificate of Authority Number:

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STRUCTURAL CONSULTANT

Structural Engineering Associates  
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Kansas City, MO 64106  
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Lee's Summit, MO 64086  
Construction Documents

Date	7.17.2020
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Drawn By	KRM
Checked By	MVE

Revision		
Number	Date	Description

C700

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COVER SHEET



General Notes

- CONTAINING THE NET AREA OF 1,799,396 SQ. FT. OR 41.308 ACRES (SITE A) & 591,545 SQ. FT./13.58 AC. (SITE B).
- ELEVATIONS ARE BASED ON USGS DATUM, NAVD 88.
- CONTOURS ARE SHOWN AT 2 FEET INTERVALS.
- ALL STREETS, STORM SEWERS, SANITARY SEWERS AND WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT, MISSOURI, DESIGN AND CONSTRUCTION MANUAL.
- THE CONTRACTOR IS TO CONTACT PUBLIC WORKS INSPECTIONS AT (816) 969-1827 FOURTY EIGHT (48) HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
- ALL PROPOSED UTILITY CROSSINGS OF EXISTING STREETS SHALL BE BORED PER THE CITY OF LEE'S SUMMIT STANDARD DETAIL (SS-3).
- TYPE "CG-1" CONCRETE CURB & GUTTER SHALL BE USED THROUGHOUT THIS PROJECT. SEE KCAPWA STANDARD DETAIL (C-1).
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL, CITY ORDINANCE NO. 5813
- THE WATER & SANITARY SEWER UTILITY CONTACT IS WATER UTILITIES DEPARTMENT, OPERATIONS DIVISIONS AT (816) 969-1940.
- ALL WATER MAIN TAPS, 2" DIAMETER AND SMALLER, WILL BE MADE BY THE WATER UTILITIES, OPERATIONS DEPARTMENT (816) 969-1940 WITH A FORTY-EIGHT (48) HOUR NOTICE TO SCHEDULE THE TAP.
- THE WATER SERVICE LINE FROM THE PUBLIC MAIN MUST BE TYPE K SOFT COPPER. \*\* NOT APPLICABLE FOR THIS PROJECT \*\*

DEVELOPER:

SAINT LUKE'S  
4401 WORNALL ROAD  
KANSAS CITY, MISSOURI 64111  
ATTN: MARK BROOKS  
PHONE: (816) 932-3200

ARCHITECTS:

ACI BOLAND  
11229 NALL  
SUITE 140  
LEAWOOD, KANSAS 66211  
ATTN: VICTOR L. MOSBY  
PHONE: (816) 932-2479

ENGINEERS:

MCCLURE  
1700 SWIFT ST STE 100  
NORTH KANSAS CITY, MO 64116  
ATTN: MATT EBLEN  
PHONE: (913) 307-2588

Impervious Area

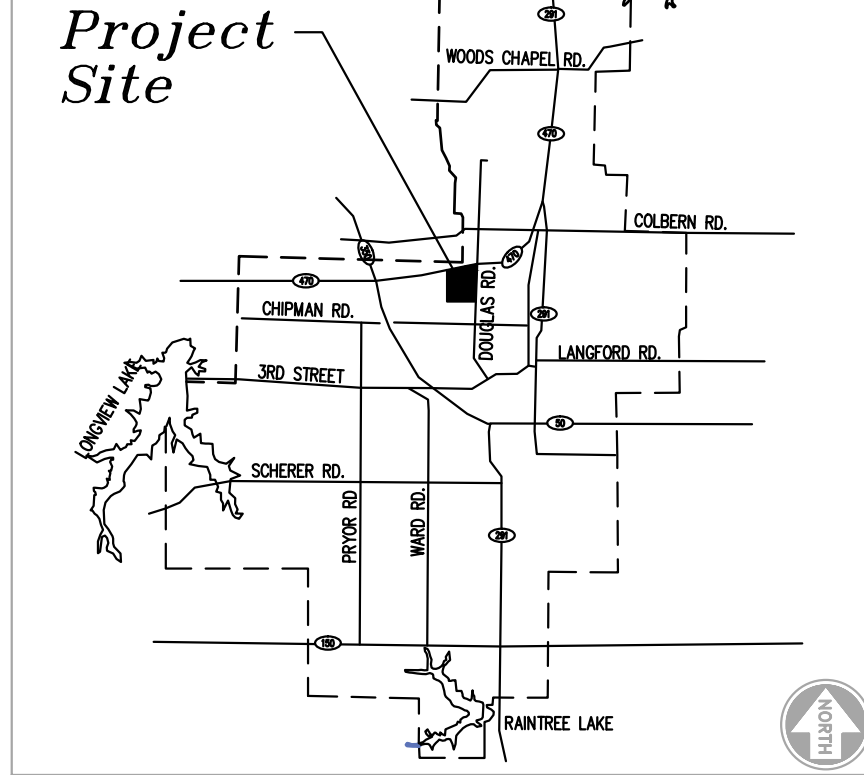
	SITE A MAIN CAMPUS	SITE B WEST CAMPUS
PROPERTY AREA:	1,799,396 S.F./41.31 AC.	591,445 S.F./54.89 AC.
IMPERVIOUS AREA:	EXISTING & PROPOSED 1,026,215 S.F./23.56 AC.	90,067 S.F. ~ 2.070 AC.
PERVIOUS AREA:	773,181 S.F./17.75 AC.	501,378 S.F. ~ 11.51 AC.

Legal Description (SITE B)

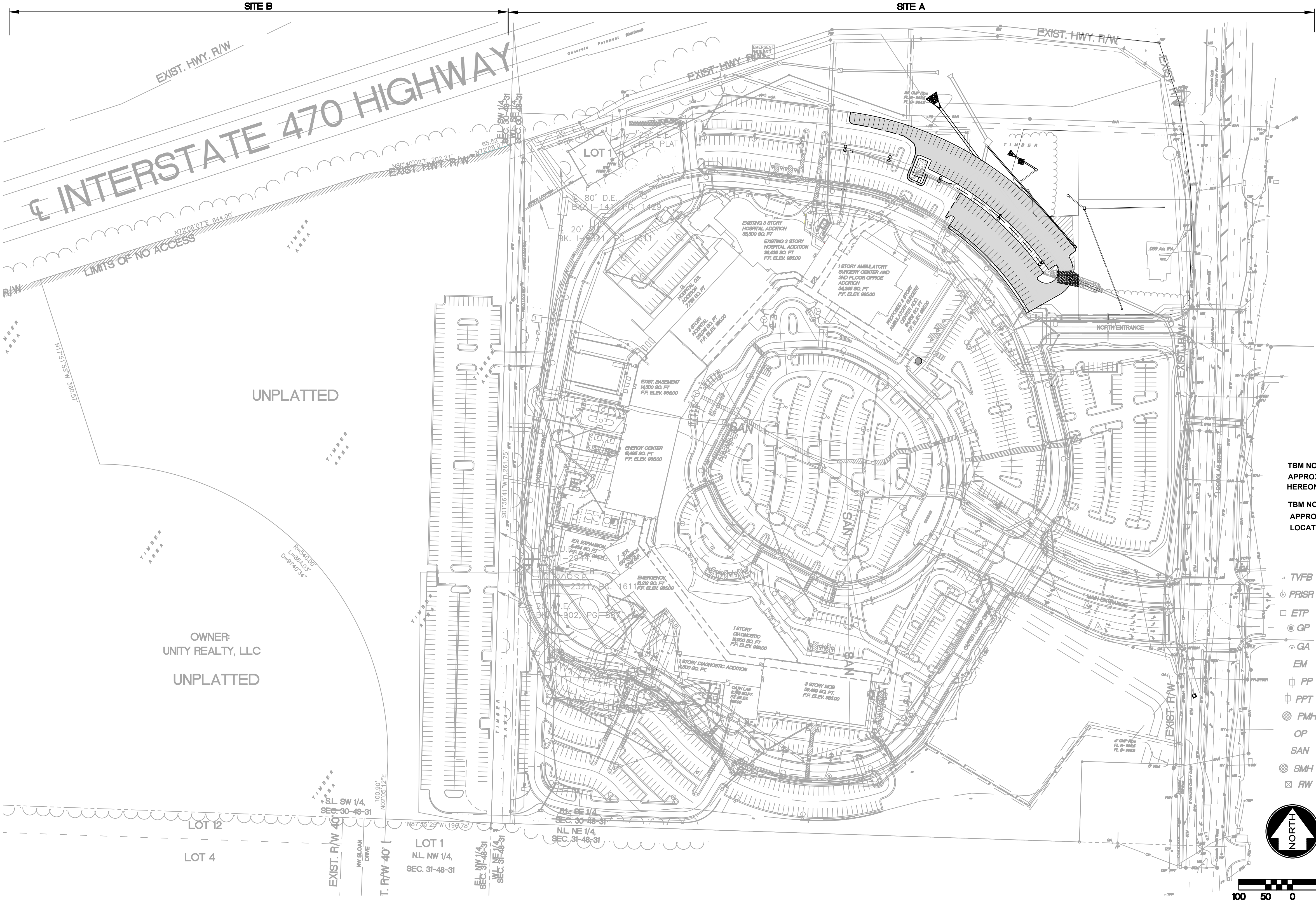
A tract of land in the Southwest Quarter of Section 30, Township 48 North, Range 31 West of the 5th Principal Meridian in Lee's Summit, Jackson County, Missouri being bounded and described as follows: Beginning at the Southeast corner of said Southwest Quarter; thence North 87°55'25" West, along the South line of said Southwest Quarter, 196.78 feet; thence North 02°05'12" East, 100.90 feet; thence Northwesterly, along a curve to the left, being tangent to the last described course with a radius of 540.00 feet, a central angle of 91°40'34" and an arc distance of 864.03 feet; thence North 17°51'53" West, 360.57 feet to a point on the South right-of-way line of Interstate Highway 470, as now established; thence North 72°08'07" East, along said South right-of-way line, 644.00 feet; thence North 80°40'02" East, continuing along said South right-of-way line, 202.21 feet; thence North 72°08'07" East, continuing along said South right-of-way line, 65.52 feet to a point on the East line of said Southwest Quarter; thence South 01°36'41" West, along said East line, 1,261.75 feet to the Point of Beginning.

Legal Description (SITE A)

All that part of the Southeast Quarter of Section 30, Township 48N., Range 31W. which lies South of the Southerly right-of-way line of Interstate Highway Route No. 470 and West of the Westerly right-of-way line of Douglas Street, as said highway and street are now both established in the City of Lee's Summit, Jackson County, Missouri, being more particularly described as follows:  
Beginning at the Southwest corner of said Quarter Section; thence North 01 degrees 36 minutes 49 seconds East, along the Westerly line of said Quarter Section, being also along the Westerly line of a tract of land described in the Instrument filed as Document No. 1-0030460 in Book 1-2942 at Page 1366 and along the Westerly line of a tract of land described in the Instrument filed as Document No. 1-0074185 in Book 1-2929 at Page 1203, a distance of 1,262.41 feet, more or less, to a point on the Southerly right-of-way line of said Interstate Highway Route No. 470, as now established, said point being 170.00 feet Southeasterly of the survey centerline of said Interstate Highway Route No. 470; thence Northeasterly and Easterly along said Southerly right-of-way line, being also along the Northerly line of the tract of land described in said Document No. 1-0074185, the following courses and distances; thence North 72 degrees 06 minutes 55 seconds East along a line 170.00 feet Southeasterly of and parallel with the survey centerline of said Interstate Highway Route No. 470, a distance of 135.26 feet to a point 170.00 feet Southeasterly of said survey centerline at Station 485+00; thence North 60 degrees 48 minutes 20 seconds East, 101.98 feet to a point 150.00 feet Southeasterly of said survey centerline at Station 486+00; thence North 72 degrees 06 minutes 55 seconds East along a line 150.00 feet Southeasterly of and parallel with the survey centerline of said Interstate Highway Route No. 470, a distance of 400.00 feet to a point 150.00 feet Southeasterly of said survey centerline at Station 490+00; thence North 88 degrees 45 minutes 34 seconds East, 314.22 feet to a point 240.00 feet Southeasterly of said survey centerline at Station 493+01.34, Plan; thence South 83 degrees 54 minutes 46 seconds East, 296.89 feet to a point 350.00 feet Southeasterly of said survey centerline at Station 496+00; thence South 18 degrees 20 minutes 28 seconds East, 117.71 feet, to the point of intersection of said Southerly right-of-way line with the Westerly right-of-way line of said Douglas Street said point being 85.00 feet West of the survey centerline of said Douglas Street at Station 78+50; thence Southerly along the Westerly right-of-way line of said Douglas Street, being also along the Easterly line of said Document No. 1-0074185, the following courses and distances; thence South 07 degrees 47 minutes 59 seconds East, 162.03 feet to a point 60.00 feet West of said survey centerline at Station 77+00; thence South 03 degrees 24 minutes 53 seconds East, 56.47 feet to a point on the Westerly right-of-way line of said Douglas Street as established by the instrument filed as Document No. 98-818985 in Book 1-3293 at Page 1467, said point being 55.00 feet West of the survey centerline of said Douglas Street; thence South 01 degree 39 minutes 53 seconds West along the Westerly right-of-way line of said Douglas Street as established by said Document No. 98-818985 and by the instrument filed as Document No. 98-818986 in Book 1-3293 at Page 1469, no longer along the Easterly line of said Document No. 1-0074185, being along a line 55.00 feet West of and parallel with the survey centerline of said Douglas Street, a distance of 1,024.27 feet to a point on the Southerly line of a tract of land described in said Document No. 1-0030460, said point being 150.00 feet North of the Southerly line of the Southwest Quarter of said Section 30, as measured perpendicular to the Southerly line thereof; thence Westerly and Southerly along the Southerly and Easterly line of the tract of land described in said Document No. 1-0030460, no longer along the Westerly right-of-way line of said Douglas Street, the following courses and distances; thence North 88 degrees 08 minutes 41 seconds West along a line 150.00 feet North of and parallel with the Southerly line of said Quarter Section, a distance of 175.25 feet; thence South 01 degree 51 minutes 19 seconds West, perpendicular to the last described course, a distance of 150.00 feet, to a point on the Southerly line of said Quarter Section; thence North 88 degrees 08 minutes 41 seconds West, along the Southerly line of said tract of land, being also along the Southerly line of said Quarter Section, a distance of 1,095.16 feet to the Point of Beginning. LESS and EXCEPT from the above described tract of land, the following: All that part of LEE'S SUMMIT DOUGLAS ROAD PUMP STATION, LOT 1, a subdivision in the City of Lee's Summit, Jackson County, Missouri, according to the recorded plat thereof. Containing the net area of 1,799,396 square feet or 41.308 acres, more or less.



Location Map



Building Area Summary

EXISTING BUILDINGS:	PROPOSED BUILDINGS:
ENERGY CENTER - 18,495 S.F.	
BASEMENT - 14,500 S.F.	
EMERGENCY CENTER - 13,212 S.F.	
DIAGNOSTIC - 24,400 S.F.	
3 STORY MOB - 59,499 S.F.	
2 STORY HOSPITAL ADDITION - 38,436 S.F.	
3 STORY HOSPITAL ADDITION - 55,500 S.F.	
HOSPITAL - 251,018 S.F.	
SURGERY CENTER - 15,563 S.F.	
2ND STORY ON SURGERY CENTER - 18,682 S.F.	
O.R. EXPANSION - 7,789 S.F.	
EMERGENCY ROOM EXPANSION- 3,742 S.F.	
CATH LAB ADDITION- 3,768 S.F.	
EMERGENCY ROOM EXPANSION - 5,454 S.F.	
2 STORY SURGERY CENTER - 24,852 S.F.	
RADIATION ONCOLOGY/ UROLOGY - 2,920 S.F.	
O.R. HOSPITAL ADDITION - 10,847 S.F.	
FLEX FACILITY EXPANSION - 24,949 S.F.	

Parking Calculation

REQUIRED:	
HOSPITAL 179 BEDS 1.8/BED	323 STALLS
MEDICAL OFFICE	239 STALLS
1 STORY MOB	94 STALLS
1 STORY CATH LAB	19 STALLS
TOTAL STALLS	675
HANDICAP REQUIRED	14 STALLS

ACTUAL PARKING STALLS SITE A & SITE B:	
EXISTING STALLS	1486 STALLS
REMOVED STALLS	2 STALLS
PROPOSED STALLS	134 STALLS
TOTAL STALLS	1618
TOTAL HANDICAP PROVIDED	38 STALLS

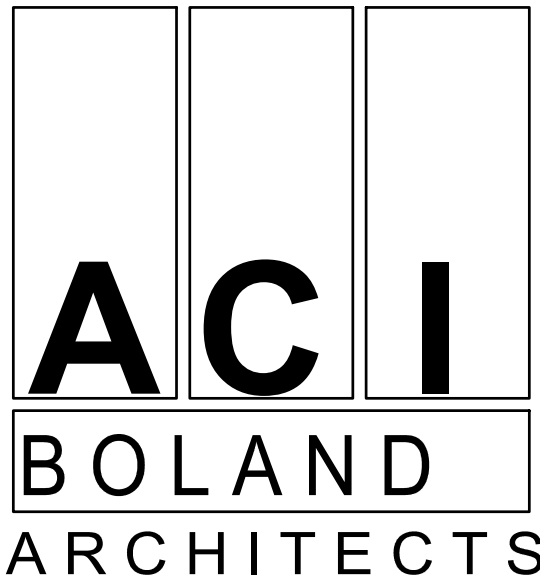
Benchmarks

TBM NO. 5= SET IRON BAR WITH PLASTIC CAP IN DOUGLAS ROAD RIGHT-OF-WAY, APPROXIMATELY 135' SOUTH OF THE NORTHEAST CORNER OF TRACT A, AT THE LOCATION AS SHOWN HEREON. ELEVATION: 990.41

TBM NO. 3386= SET IRON BAR WITH PLASTIC CAP IN DOUGLAS ROAD RIGHT-OF-WAY, APPROXIMATELY 550' NORTH OF THE SOUTHEAST CORNER OF TRACT B, AT THE LOCATION AS SHOWN HEREON. ELEVATION: 985.88

Legend

TVFB	CABLE TELEVISION CABLE AT BUILDING	TEP	TELEPHONE PEDESTAL
PRSR	POWER RISER	MS	METAL STREET SIGN
	ELECTRIC TRANSFORMER PAD	STM	STORM SEWER
GP	GUY POLE	STMH	STORM SEWER MANHOLE
GA	GUY ANCHOR	SPBMH	SIGNAL PULL BOX MANHOLE
EM	ELECTRIC METER	SPLE	TRAFFIC SIGNAL POLE
PP	POWER POLE	SCB	SIGNAL CONTROL BOX
PPT	POWER POLE W/ TRANSFORMER	WV	WATER VALVE
PMH	POWER MANHOLE (ST LIGHTING)	M	MEASURED
OP	OVERHEAD POWER	IB	IRON BAR
SAN	SANITARY SEWER		FOUND IRON BAR
SMH	SANITARY SEWER MANHOLE		SET 1/2" IRON BAR W/ PLASTIC CAP
RW	RIGHT-OF-WAY MARKER		



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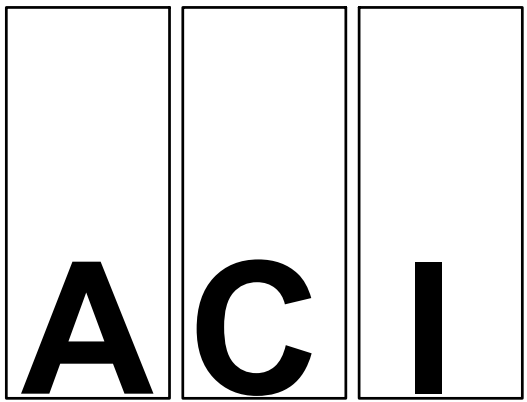
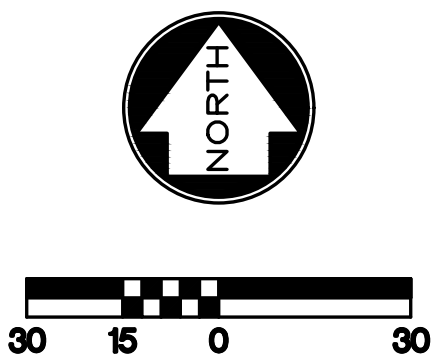
W.L. Cassell & Associates, Inc.  
1600 Baltimore, Suite 300  
Kansas City, MO 64108  
Phone Number: 816.842.8437  
Licensee's Certificate of Authority Number:

Saint Luke's East Hospital  
North Parking Lot Expansion  
100 NE Saint Luke's Blvd  
Lee's Summit, MO 64086  
Construction Documents

Date	7.17.2020
Job Number	3-19092
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ARCHITECTS

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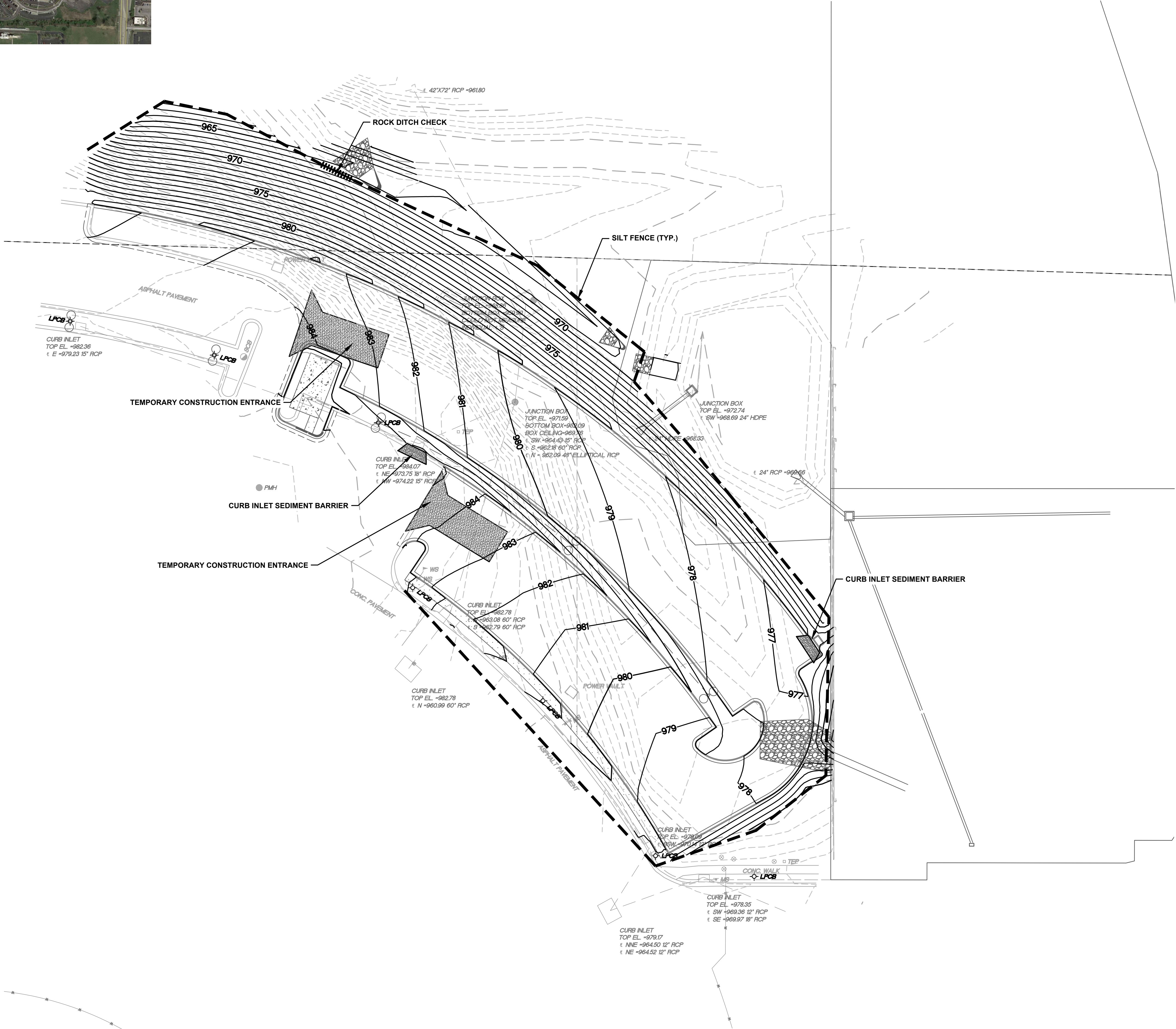
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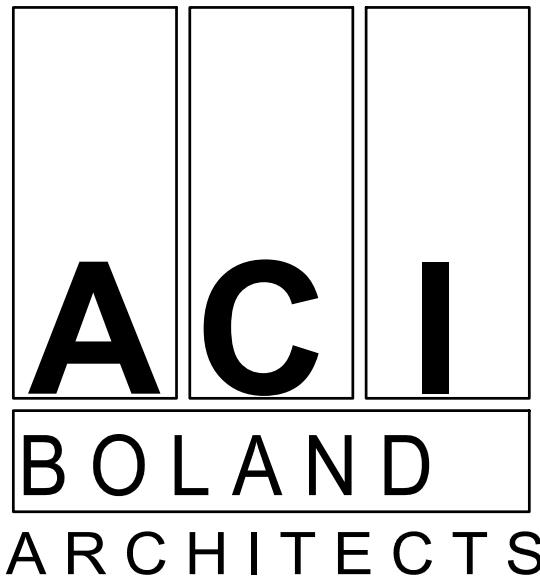
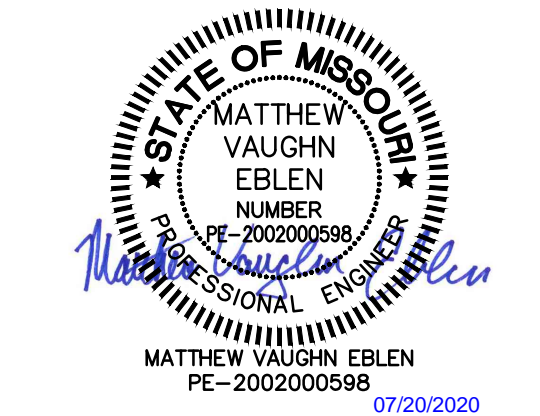
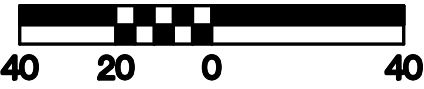
PROJECT LOCATION



- NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). A COPY OF THE SWPPP SHALL BE AVAILABLE ON SITE AT ALL TIMES.
  2. THE EROSION CONTROL FEATURES, NOTES AND SPECIFICATIONS IN THE SWPPP REPRESENT THE MINIMUM REQUIREMENTS ACCEPTABLE. LOCATIONS ARE TYPICAL AND MAY VARY ACCORDING TO CONTRACTORS STAGING AND LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL ADJUST, MODIFY AND ADD TO THIS PLAN AS NECESSARY TO CONTROL EROSION, SILTATION AND POLLUTION.
  3. IT SHALL BE EACH CONTRACTOR'S RESPONSIBILITY TO CONTROL EROSION AND PREVENT POLLUTION FOR ALL WORK WHICH THEY ARE DIRECTLY INVOLVED.
  4. EROSION CONTROL DEVICES ALONG THE DOWN SLOPE SIDE OF THE PROJECT SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY GRADING WORK.
  5. WHEN POSSIBLE, WITHOUT ADVERSELY AFFECTING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL: MINIMIZE THE AMOUNT OF SURFACE AREA WHICH IS EXPOSED AT ONE TIME, LEAVE GRADED AREAS WITH A ROUGH TEXTURE, CONSTRUCT TEMPORARY TERRACES DURING GRADING OPERATIONS, AND LIMIT UNNECESSARY VEHICLE TRAFFIC IN GRADED AREAS.
  6. THE SPILLAGE OF DEBRIS, INCLUDING THE TRACKING OF SOIL, OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE AVOIDED. THEREFORE THE CONTRACTOR SHALL PROVIDE STABILIZED DRIVES AT ALL ACCESS LOCATIONS AS NECESSARY AND SHALL REMOVE PROMPTLY ANY MATERIAL WHICH FINDS ITS WAY INTO THE PUBLIC RIGHT-OF WAY.
  7. SILT FENCES SHALL BE PLACED ON A CONTOUR ELEVATION ALONG THE DOWNHILL SIDE AND FOR THE FULL EXTENT OF THE DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS. THE LAST FIVE FEET ON EACH END OF RUN OF SILT FENCE/STRAW BALE DIKE SHALL BE PLACED FACING UPHILL AT 90 DEGREES TO THE CONTOUR LINE.
  8. THE CONTRACTOR SHALL PREVENT SILT AND SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. STRAW BALE DIKES/SILT FENCE PLACED AROUND ALL STORM SEWER INLETS EXCEPT DURING CONSTRUCTION OPERATIONS WHICH REQUIRE THEIR REMOVAL IS ONE METHOD OF MEETING THE ABOVE REQUIREMENT.
  9. EACH CONTRACTOR SHALL INSPECT THEIR EROSION CONTROL DEVICES EVERY 7 DAYS AND WITHIN 24 HOURS OF A STORM OF 0.5 INCHES OR MORE IN DEPTH. THE CONTRACTOR SHALL REPAIR DAMAGE, CLEAN OUT SEDIMENT AND ADD ADDITIONAL CONTROL DEVICES AS NEEDED AS SOON AS PRACTICABLE AFTER INSPECTION. DEFICIENCIES MUST BE CORRECTED WITHIN 7 DAYS OF INSPECTION.
  10. ALL AREAS UPON REACHING FINAL GRADE SHALL BE FINAL SEEDED AS SOON AS POSSIBLE. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL SOIL DISTURBING ACTIVITIES ARE COMPLETE AND A UNIFORM PERENNIAL COVER WITH A DENSITY OF 70 % (MINIMUM) IS ESTABLISHED.
  11. WHERE GRADED AREAS DRAIN ONTO PAVED AREAS, SILT FENCE SHALL BE PLACED AT THE BACK OF CURB TO PREVENT SILT FROM ENTERING THE PAVED AREAS. WHEN THESE EROSION CONTROL DEVICES ARE NOT PLACED ON THE CONTOUR, THEN THEY SHALL HAVE INSTALLED AT 50' INTERVALS A 5' LENGTH PLACED AT 90 DEGREES TO THE MAIN LENGTH.
  12. ALL STORM SEWER INLETS SHALL HAVE INLET PROTECTION AFTER STORM SEWER CONSTRUCTION.
  13. CONTRACTOR SHALL INSTALL CONCRETE WASHOUT AREAS AT VARIOUS LOCATIONS AS REQUIRED TO FACILITATE CONSTRUCTION
  14. BY USE OF THESE PLANS THE CONTRACTOR AGREES THAT HE SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF THE CONSTRUCTION WORKERS AND OF THE PUBLIC.
  15. CONTRACTOR SHALL FURNISH EVIDENCE THAT THEIR INSURANCE MEETS THE REQUIREMENTS OF THE CITY MUNICIPAL CODE.

EROSION CONTROL LEGEND

- SILT FENCE
- CONSTRUCTION ENTRANCE
- CURB INLET SEDIMENT BARRIER
- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- PROPOSED 1' CONTOUR
- PROPOSED 5' CONTOUR
- ROCK DITCH CHECK



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Phone Number: 816.842.8437  
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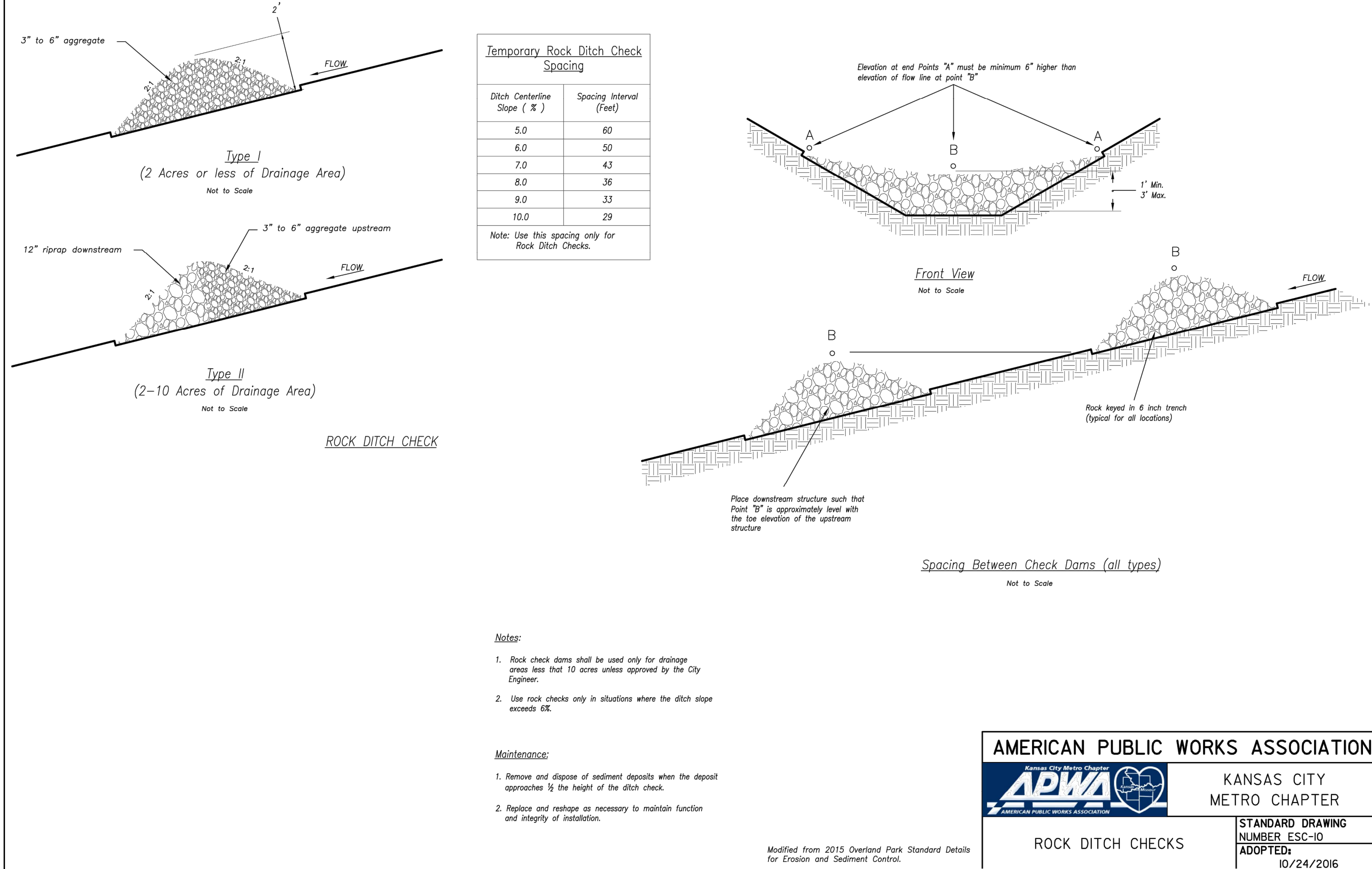
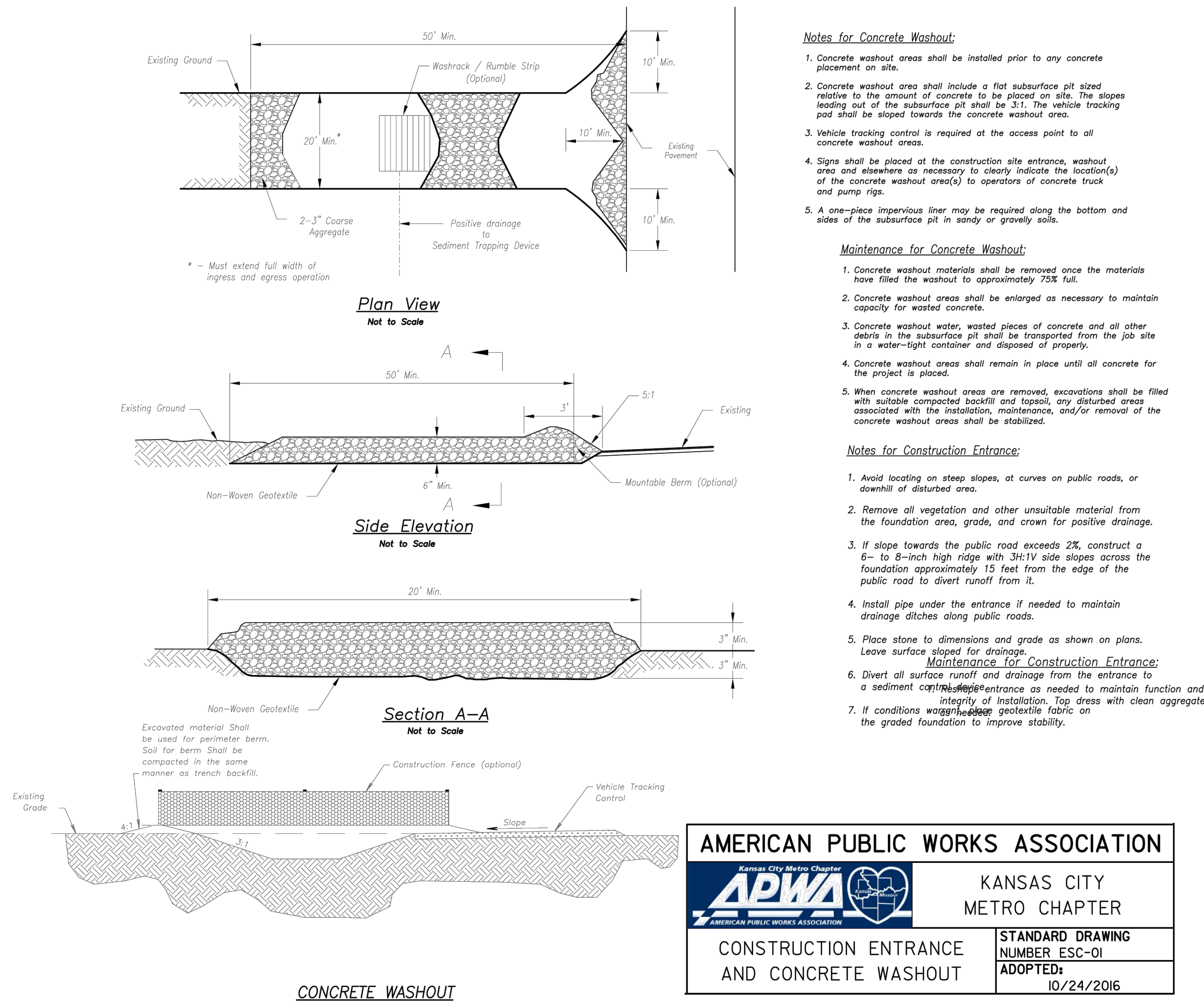
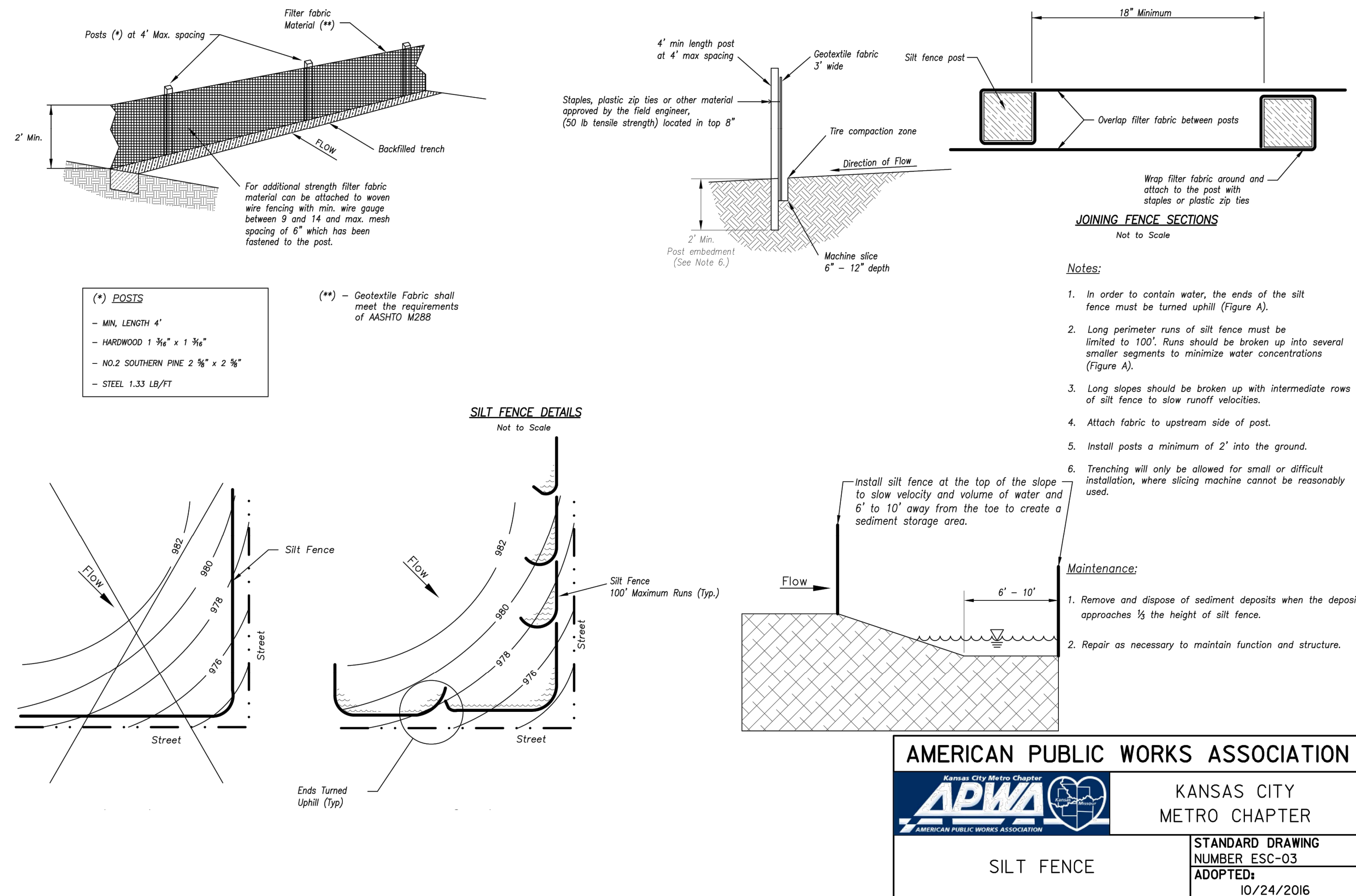
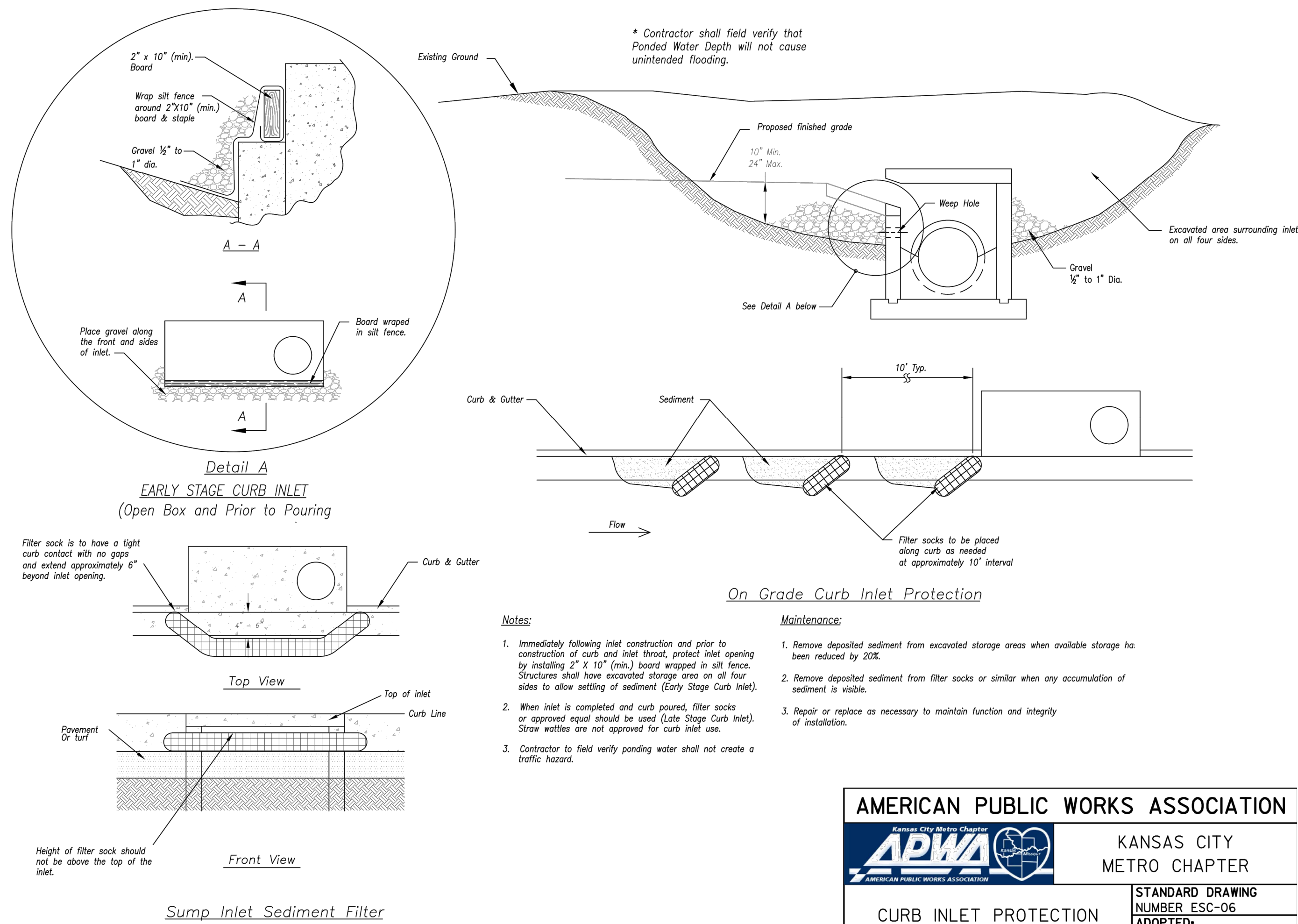
Saint Luke's East Hospital  
North Parking Lot Expansion  
100 NE Saint Luke's Blvd  
Lee's Summit, MO 64086  
Construction Documents

Date	7.17.2020
Job Number	3-19092
Drawn By	KRM
Checked By	MVE

Revision		
Number	Date	Description

C703





# ACI BOLAND ARCHITECTS

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# Saint Luke's East Hospital North Parking Lot Expansion

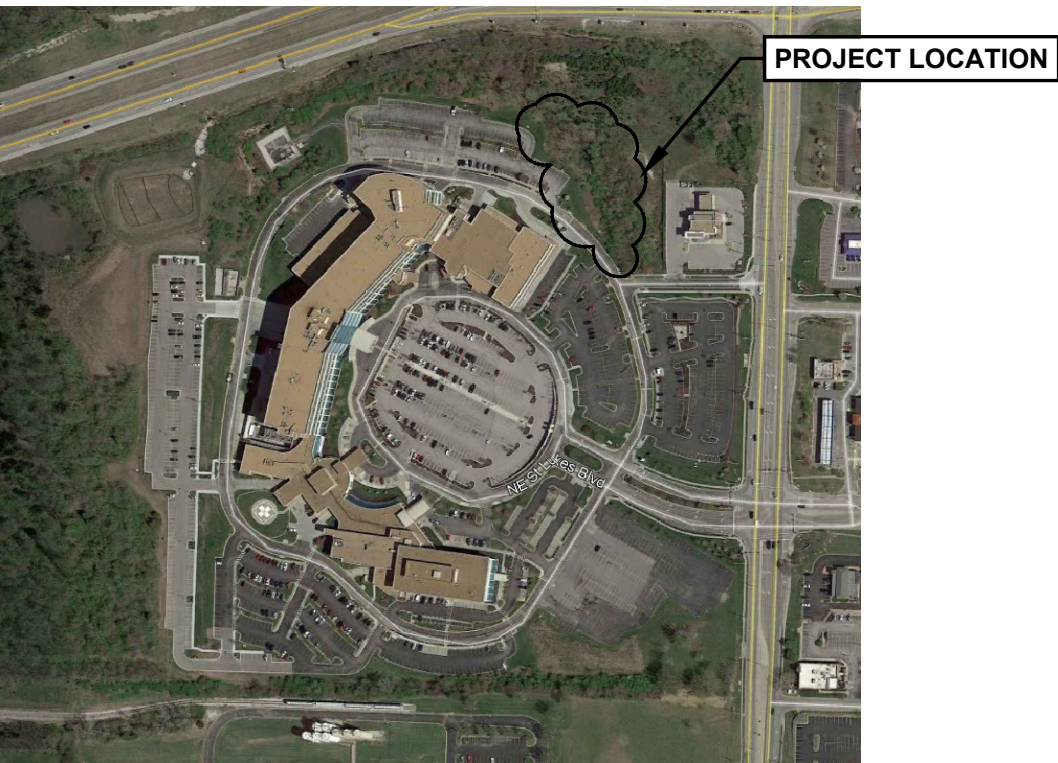
## 100 NE Saint Luke's Blvd Lee's Summit, MO 64086

### Construction Documents

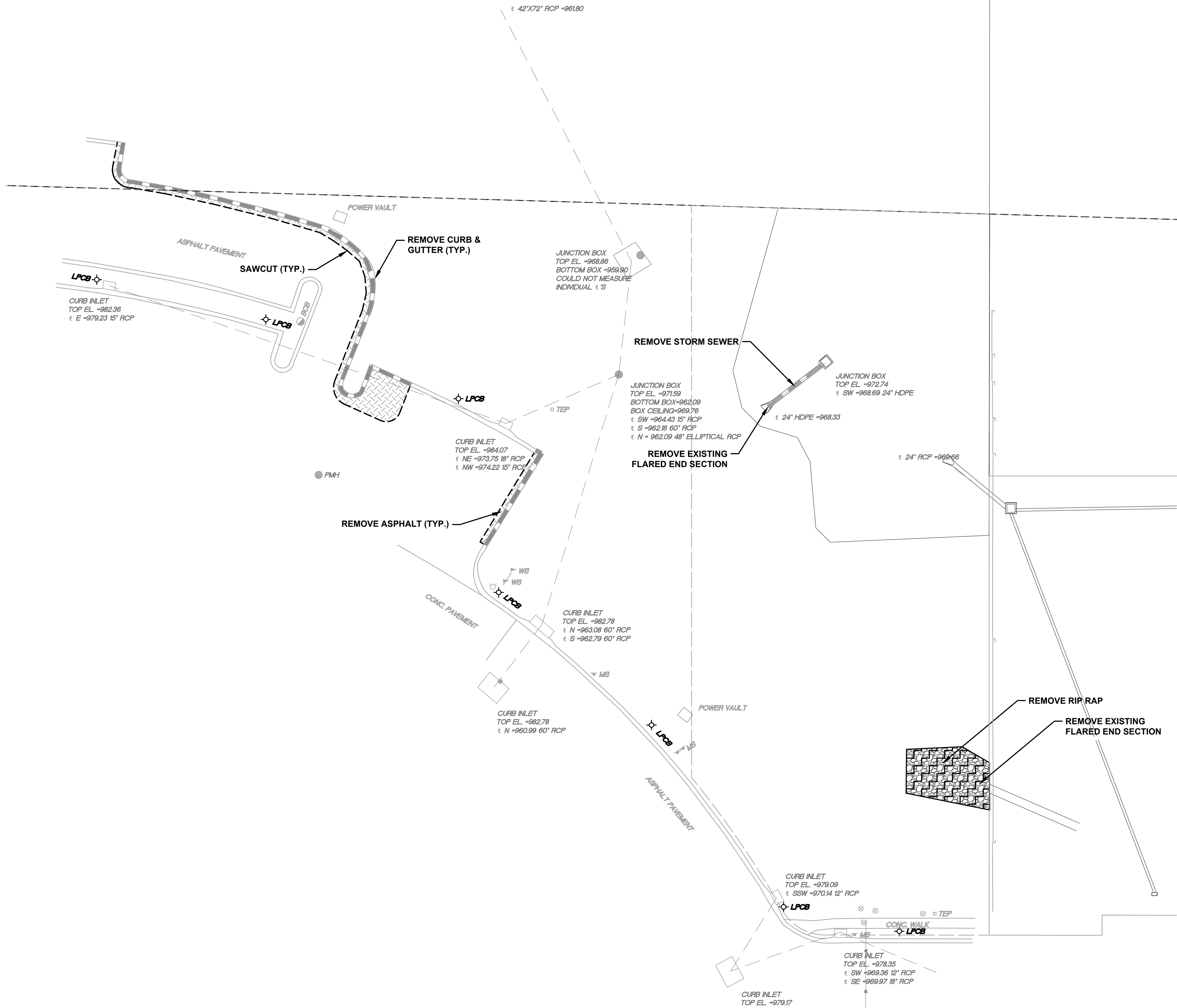
Date 7.17.2020  
Job Number 3-19092  
Drawn By KRM  
Checked By MVE

Revision  
Number Date Description





PROJECT LOCATION



**DEMOLITION LEGEND**

	FULL DEPTH ASPHALT PAVEMENT REMOVAL
	CURB REMOVAL
	FULL DEPTH SAW CUT
	RIP RAP REMOVAL
	STORM SEWER REMOVAL

**DEMOLITION NOTES:**

1. THE SCOPE OF DEMOLITION IS NOT LIMITED EXCLUSIVELY TO THE WORK INDICATED ON THE DEMOLITION PLAN. THE CONSTRUCTION DOCUMENTS ARE PROVIDED AS A GENERAL GUIDE FOR DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ADDITIONAL DEMOLITION THAT MAY BE REQUIRED FOR PROPER INSTALLATION OF NEW WORK. SEE ALL CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. ALL UTILITIES NOT SPECIFICALLY MARKED FOR DEMOLITION, SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. SPECIAL SUPPORTS, BRACING ETC. SHOULD BE PROVIDED TO PROTECT EXISTING UTILITIES TO REMAIN.
3. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE ALL UTILITY DEMOLITION, SHUTOFFS AND SWITCH OVERS WITH THE RESPECTIVE UTILITY COMPANY.
4. THE CONTRACTOR SHALL PROTECT ALL ITEMS, NOT SPECIFICALLY NOTED FOR DEMOLITION. IF ITEMS ARE DAMAGED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL REPAIR THE ITEMS AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL REPAIR ALL SURROUNDING PAVEMENTS, SIDEWALKS AND CURBS DAMAGED BY CONSTRUCTION ACTIVITIES.
6. ALL UTILITIES INCLUDING, BUT NOT LIMITED TO, MANHOLES, UTILITY VALVES, CLEANOUTS AND INTAKES ARE TO BE ADJUSTED AND/OR REBUILT TO FINISHED GRADE AS REQUIRED.
7. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING FLOW IN THE EXISTING STORM SEWER & SANITARY SEWER SYSTEMS THROUGHOUT CONSTRUCTION. TEMPORARY BYPASS PUMPING, OR DIVERSION PIPES MAY BE REQUIRED.
8. THE CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING THE EXISTING WATER SERVICES.
9. THE CONTRACTOR IS HEREBY ADVISED THAT NO FEDERALLY OWNED MAILBOX MAY BE DISTURBED. THE CONTRACTOR SHALL GIVE AT LEAST TWENTY-FOUR (24) HOURS ADVANCE NOTICE TO THE MANAGER OF DELIVERY AND COLLECTIONS. TAMPERING WITH FEDERAL MAIL FACILITIES MAY SUBJECT THE CONTRACTOR TO PROSECUTION BY THE FEDERAL GOVERNMENT.
10. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL BOUNDARY CORNERS, PUBLIC LAND SURVEY SYSTEM ALIQUOT CORNERS, AND/OR BENCHMARKS. ANY BOUNDARY CORNER, PUBLIC LAND SURVEY SYSTEM ALIQUOT CORNER, AND/OR BENCHMARK DISTURBED OR DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF MISSOURI AT THE CONTRACTOR'S EXPENSE.
11. ALL CONSTRUCTION DEMOLITION DEBRIS SHALL BE DISPOSED OF OFF-SITE AND IN FULL COMPLIANCE WITH CURRENT ENVIRONMENTAL REGULATIONS.
12. ALL UTILITIES MUST BE PLACED SUCH THAT THE HOSPITAL HAS SERVICE TO ALL UTILITIES THROUGHOUT CONSTRUCTION.

MATTHEW VAUGHN EBLEN  
PE-202000598 07/20/2020

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**Saint Luke's East Hospital**  
**North Parking Lot Expansion**

**100 NE Saint Luke's Blvd**  
**Lee's Summit, MO 64086**

**Construction Documents**

Date	7.17.2020
Job Number	3-19092
Drawn By	KRM
Checked By	MVE

Revision		
Number	Date	Description

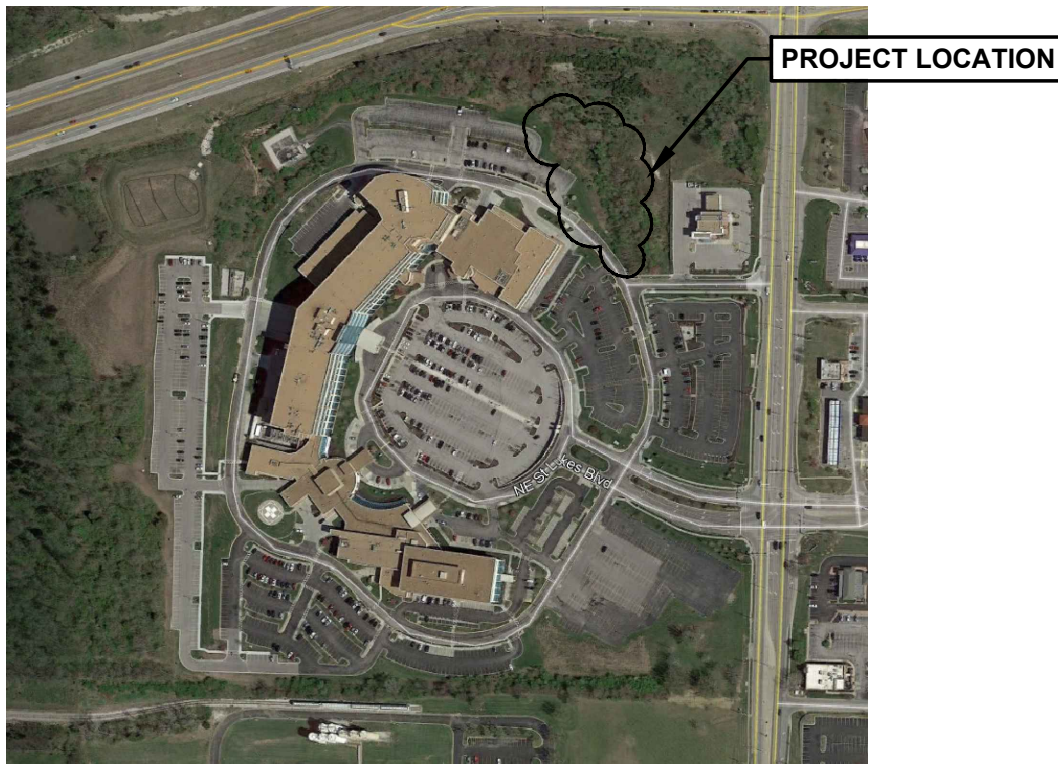
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DEMOLITION PLAN

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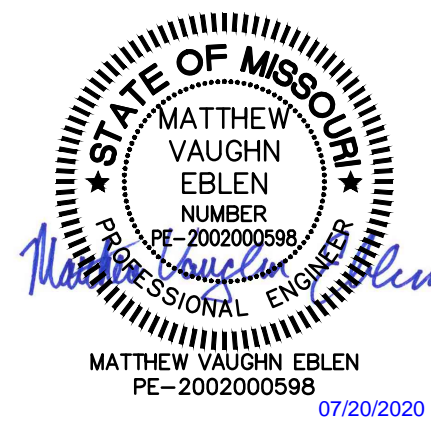




PROJECT LOCATION

NOTES

1. ALL DIMENSIONS ARE MEASURED TO BACK OF CURB UNLESS NOTED OTHERWISE.



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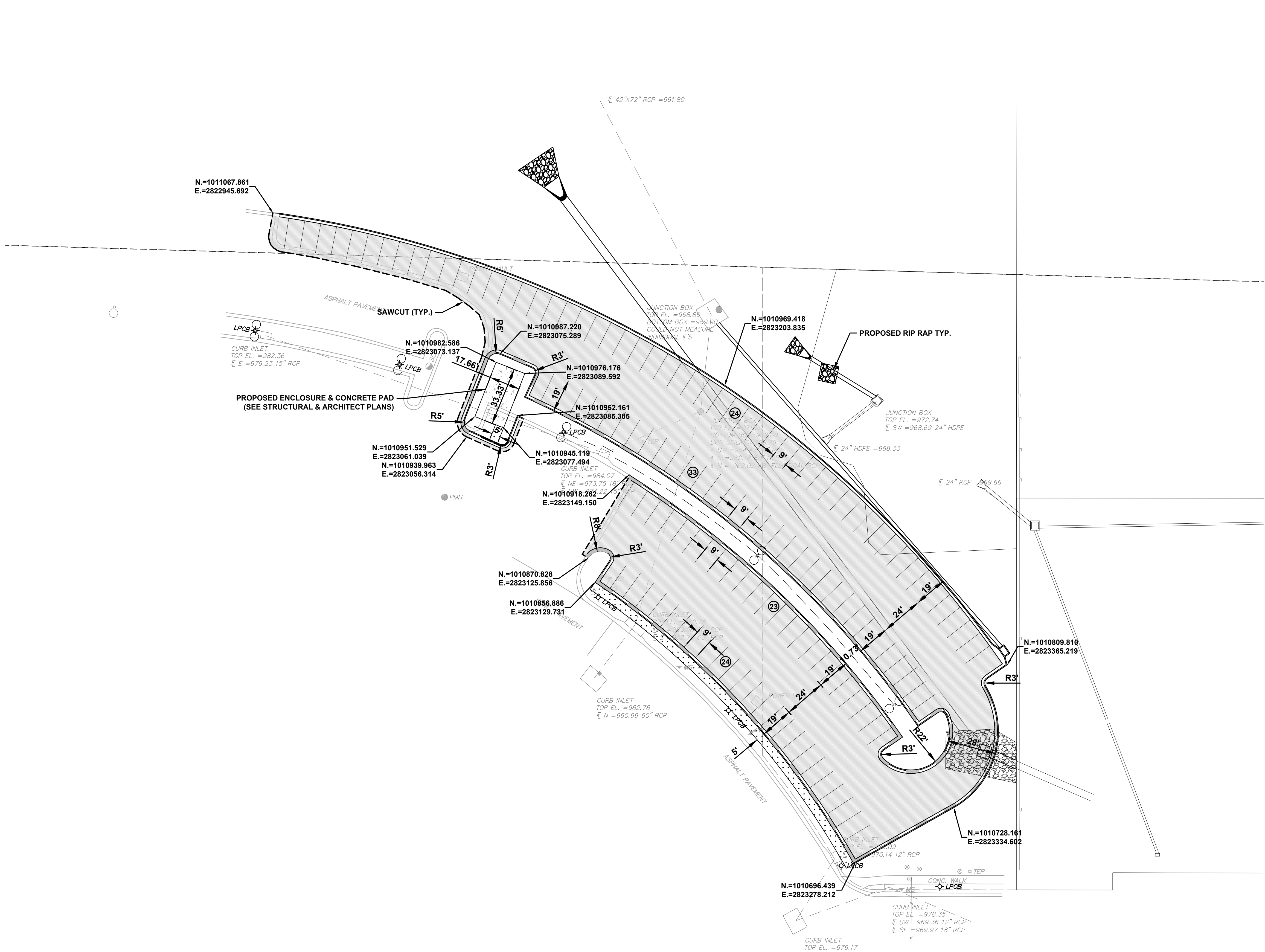
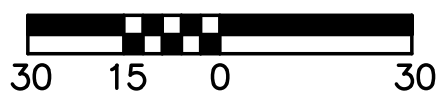
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Number	Date	Description

C801

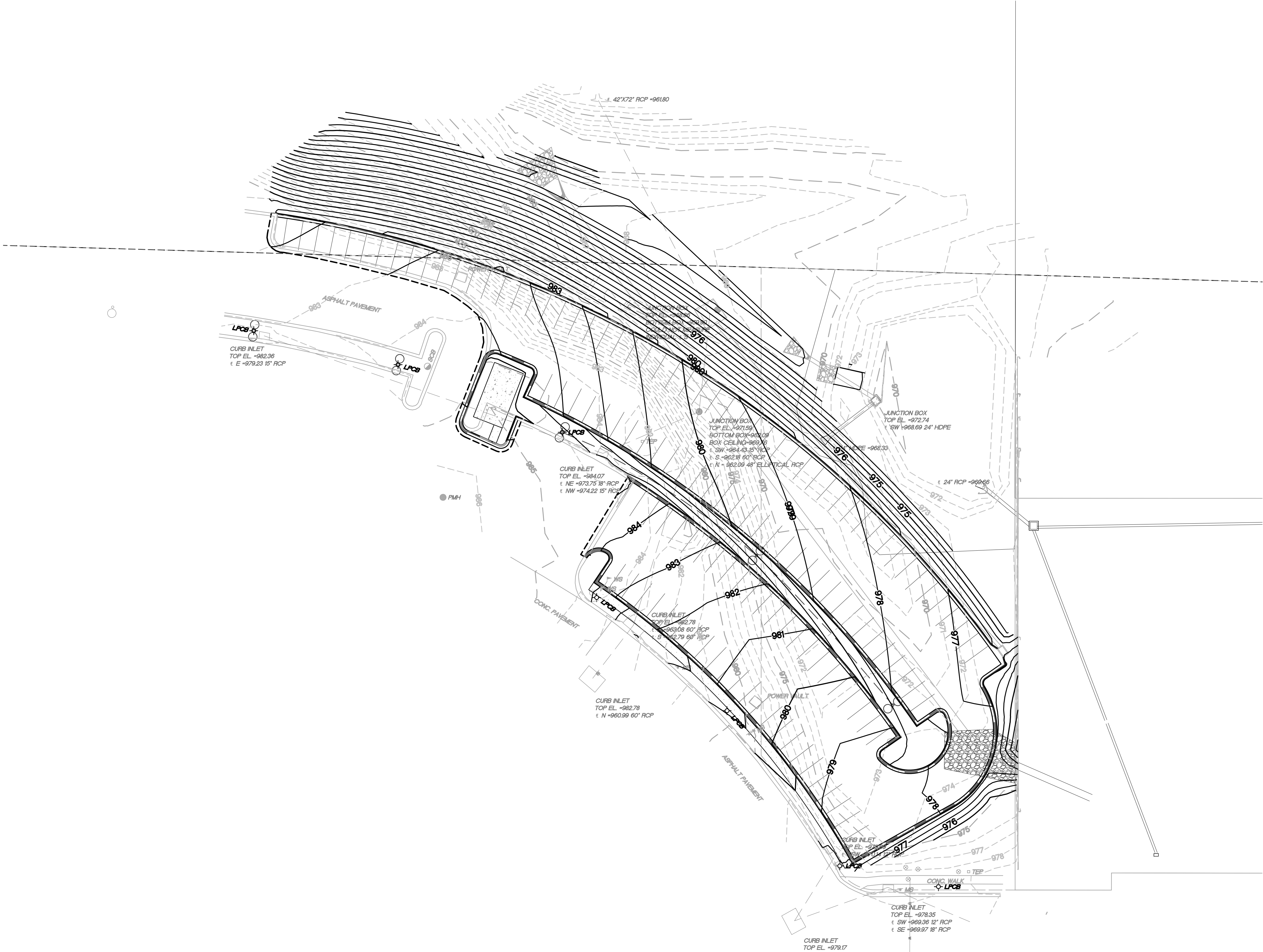
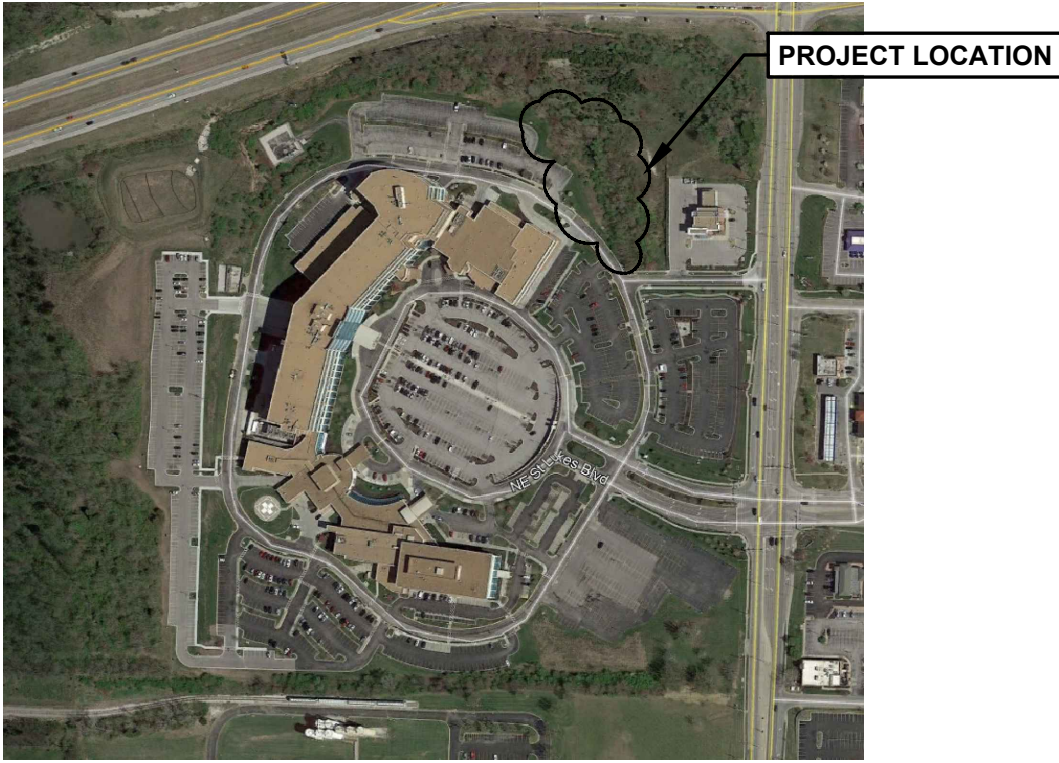
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SITE PLAN

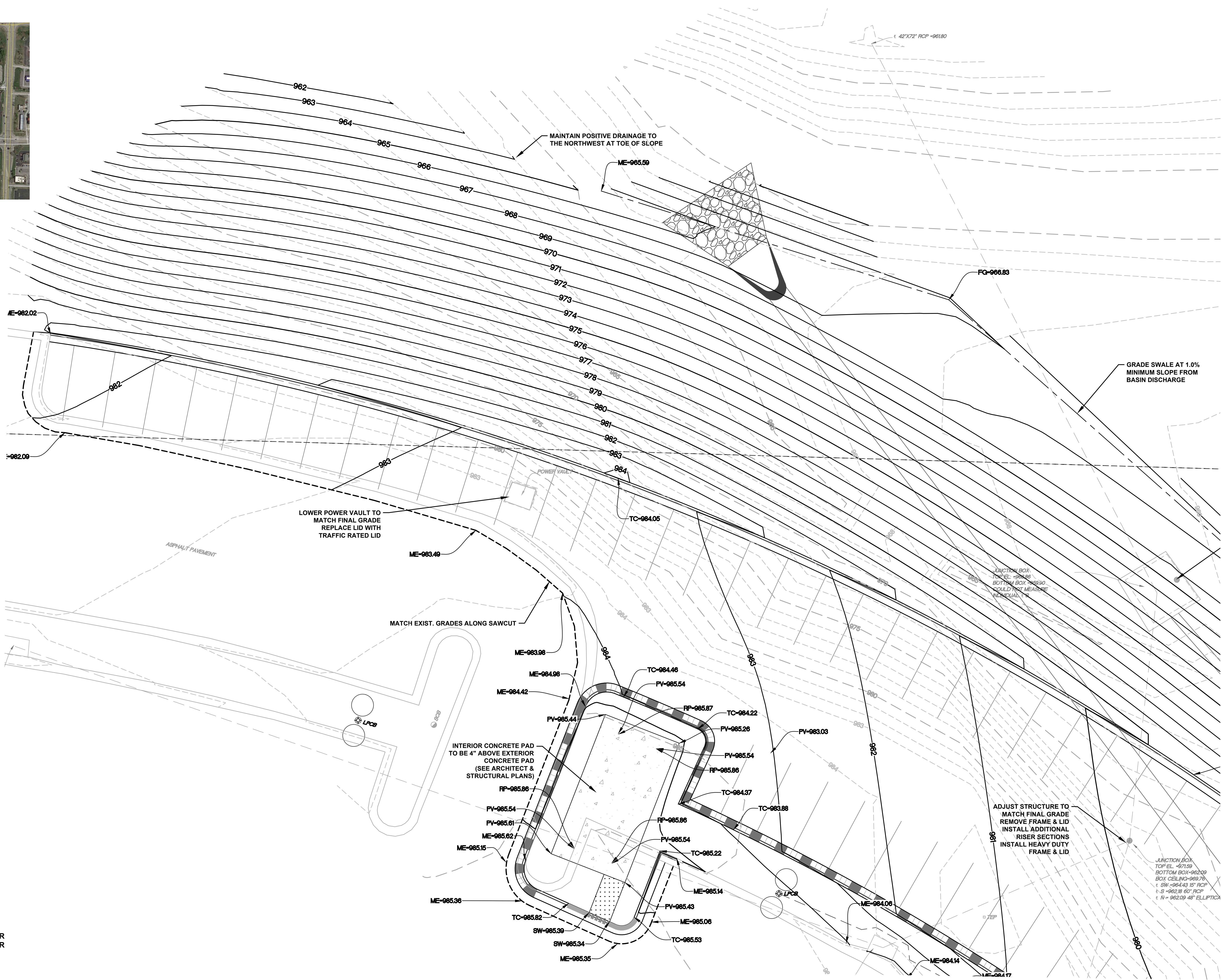
- CONSTRUCTION LEGEND**
- DENOTES LIGHT DUTY ASPHALT PAVEMENT
  - DENOTES CONCRETE PAVEMENT
  - CONCRETE SIDEWALK
  - RETAINING WALL
  - DRY CURB & GUTTER
  - CURB & GUTTER
  - TRANSITION CURB (0"-6")
  - FLUSH CURB (0")
  - FULL DEPTH SAW CUT
  - PARKING STALL COUNT



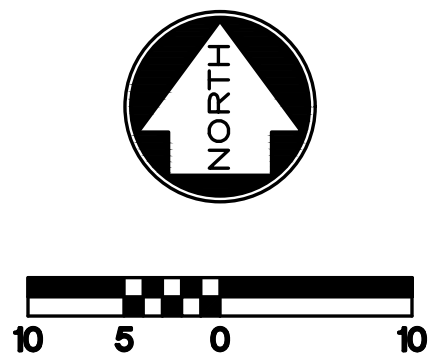








- LEGEND**
- EXISTING 1' CONTOUR
  - EXISTING 5' CONTOUR
  - PROPOSED 1' CONTOUR
  - PROPOSED 5' CONTOUR
  - TC = TOP OF CURB
  - PV = PAVEMENT
  - FG = FINISH GRADE
  - SW = SIDEWALK
  - ME = MATCH EXISTING
  - RP = TOP OF RAISED PLATFORM
  - TRANSITION CURB (0'-6")
  - FLUSH CURB (0")
  - CURB & GUTTER
  - DRY CURB & GUTTER



STATE OF MISSOURI  
MATTHEW VAUGHN EBLE  
NUMBER 202000598  
PROFESSIONAL ENGINEER  
MATTHEW VAUGHN EBLE  
PE-202000598 07/20/2020

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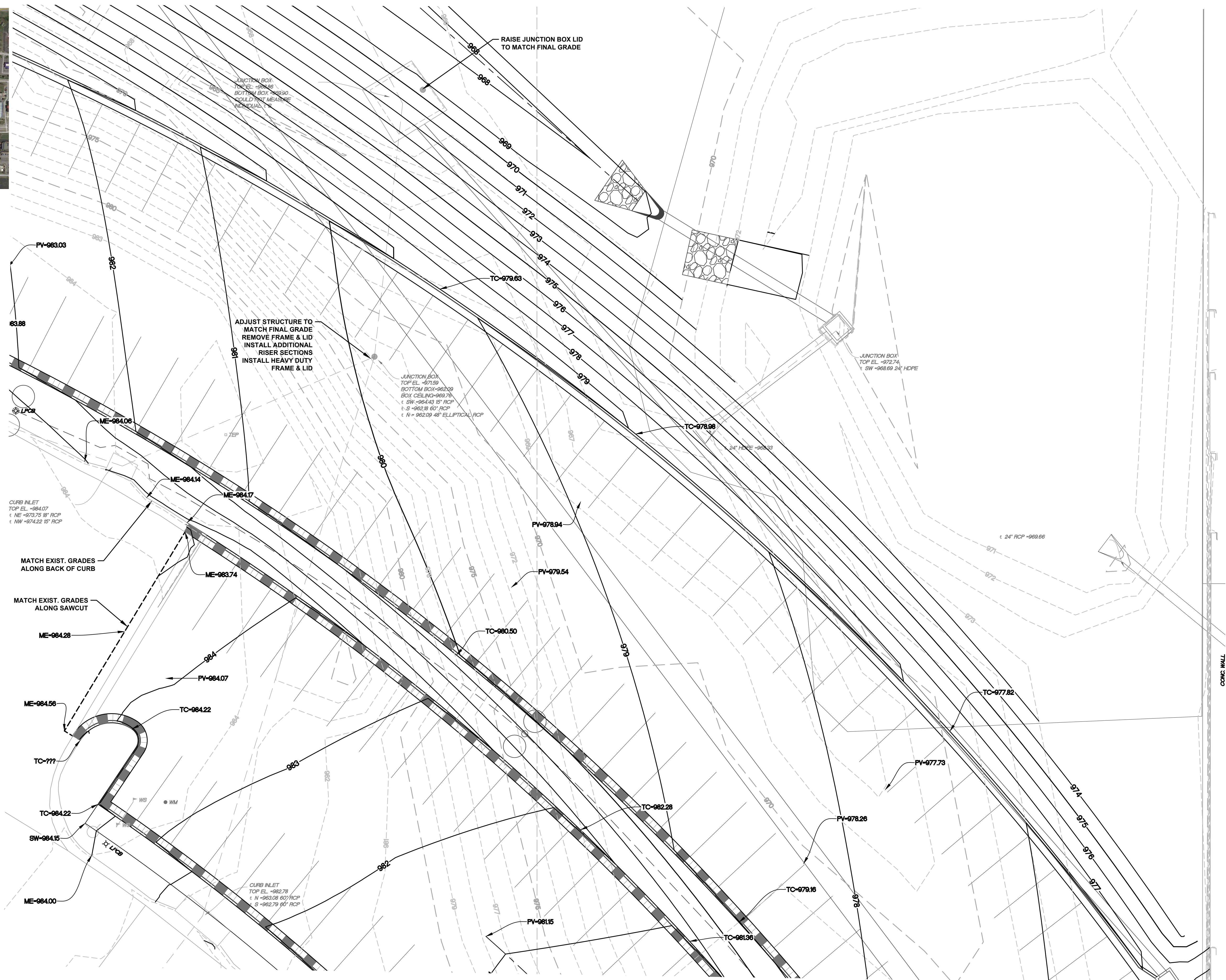
**MEP CONSULTANT**  
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**Saint Luke's East Hospital  
North Parking Lot Expansion**  
**100 NE Saint Luke's Blvd  
Lee's Summit, MO 64086**  
**Construction Documents**

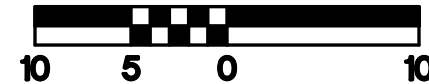
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Drawn By	KRM
Checked By	MVE

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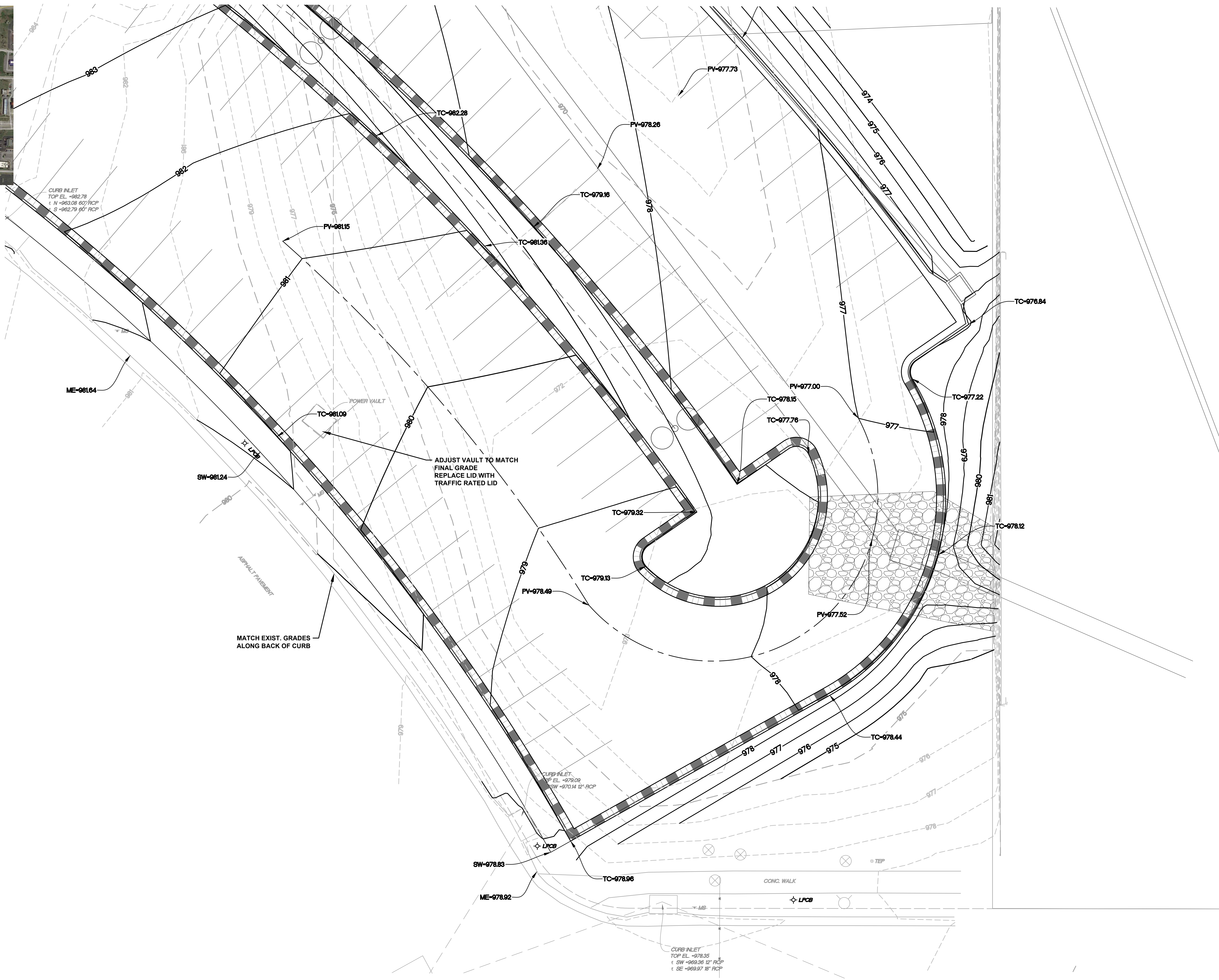




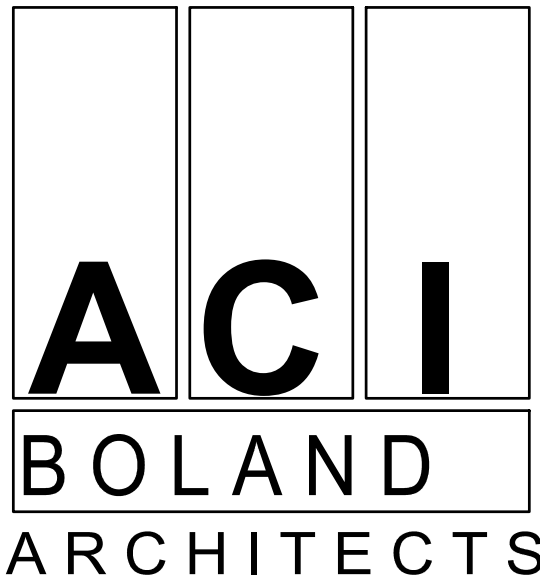
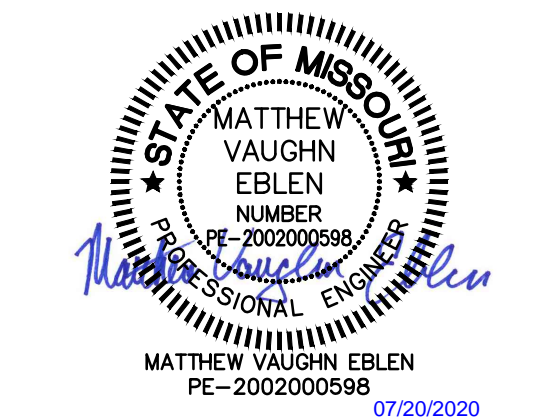
EXISTING 1' CONTOUR  
EXISTING 5' CONTOUR  
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TC = TOP OF CURB  
PV = PAVEMENT  
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SW = SIDEWALK  
ME = MATCH EXISTING  
DRY CURB & GUTTER  
CURB & GUTTER







- LEGEND**
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# Saint Luke's East Hospital North Parking Lot Expansion

## 100 NE Saint Luke's Blvd Lee's Summit, MO 64086

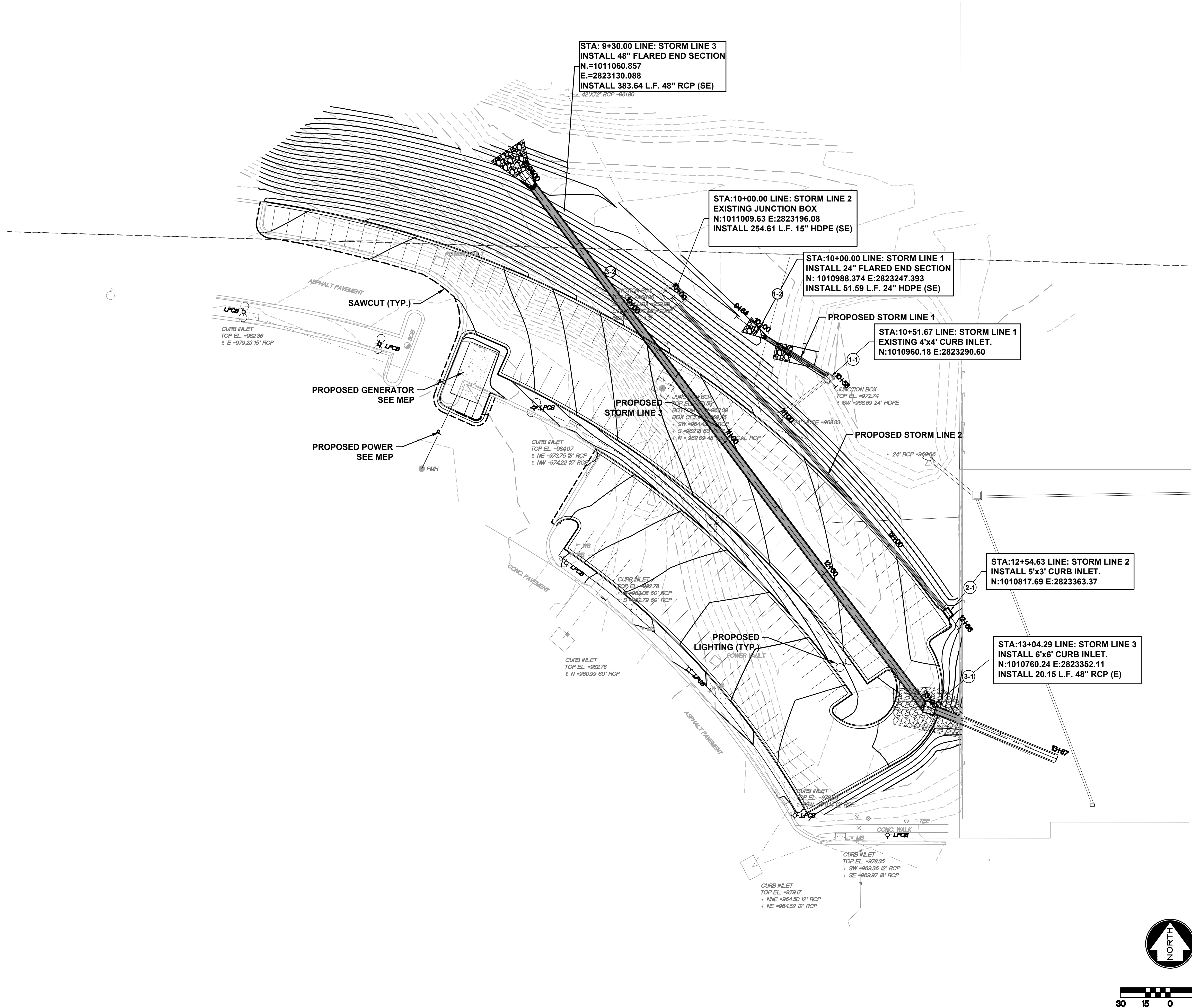
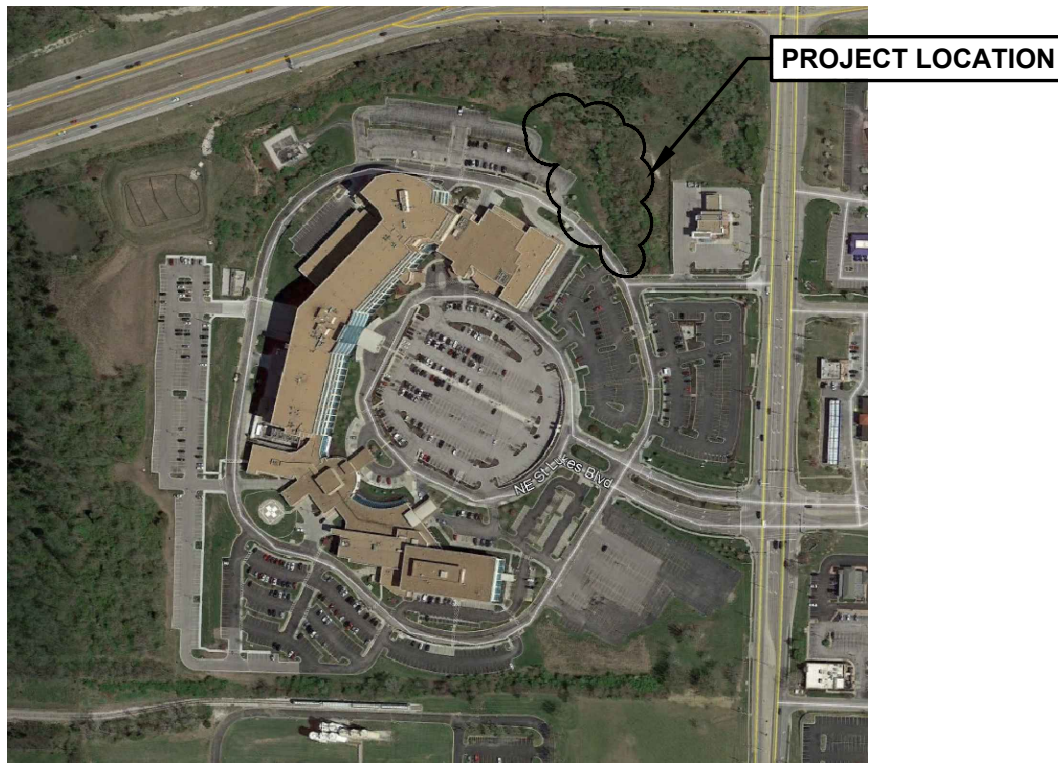
### Construction Documents

Date	7.17.2020
Job Number	3-19092
Drawn By	KRM
Checked By	MVE

Revision		
Number	Date	Description

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07/20/2020

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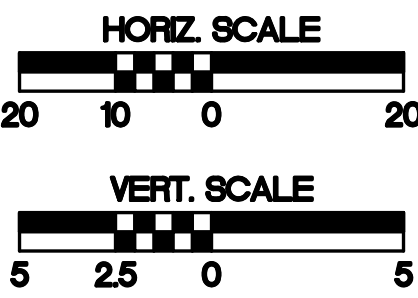
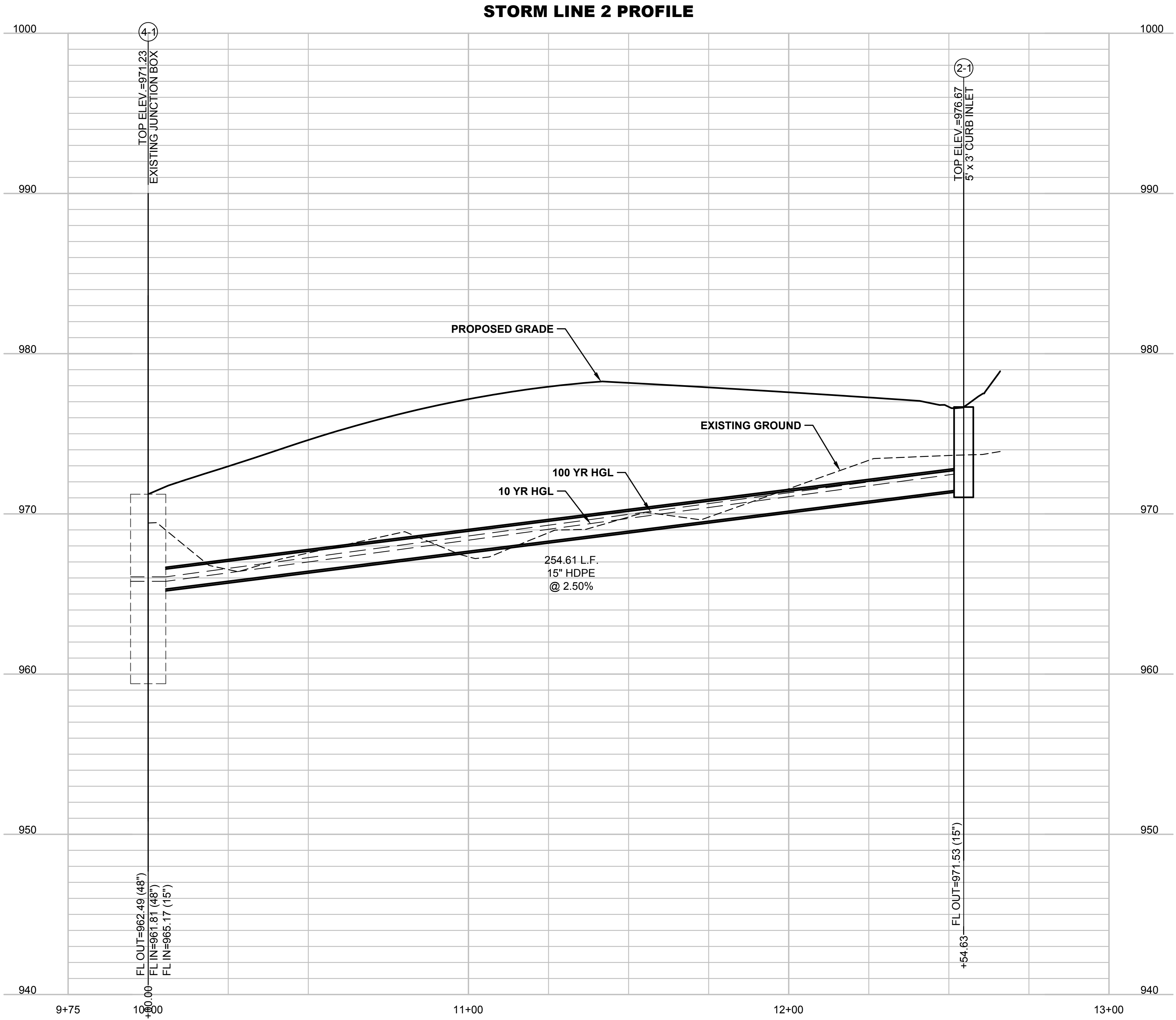
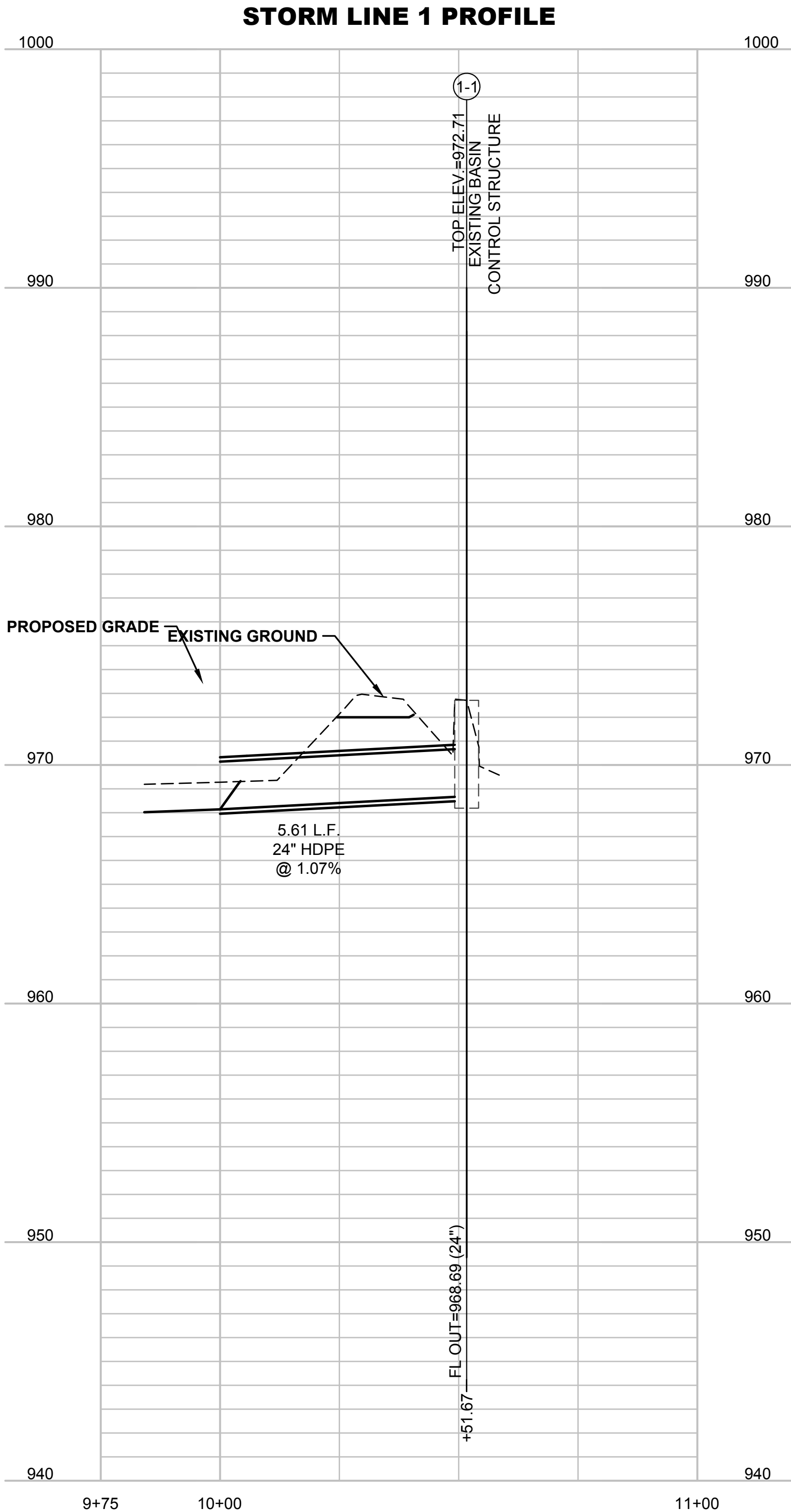
Saint Luke's East Hospital  
North Parking Lot Expansion  
100 NE Saint Luke's Blvd  
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Construction Documents

Date	7.17.2020
Job Number	3-19082
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UTILITY PLAN





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North Parking Lot Expansion**

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Construction Documents

Date	7.17.2020
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BID PACKAGE #4.04.24.2020

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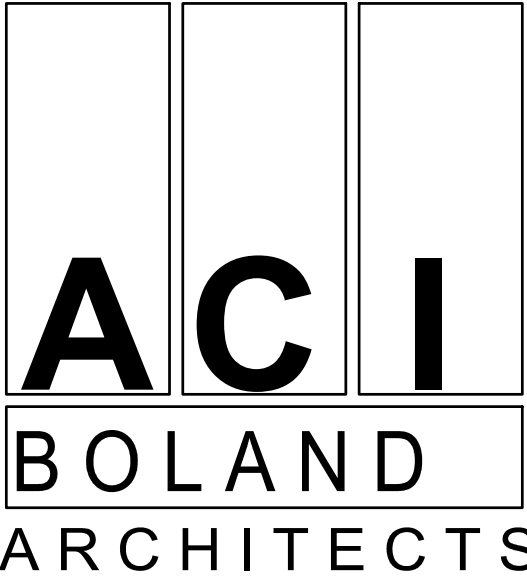
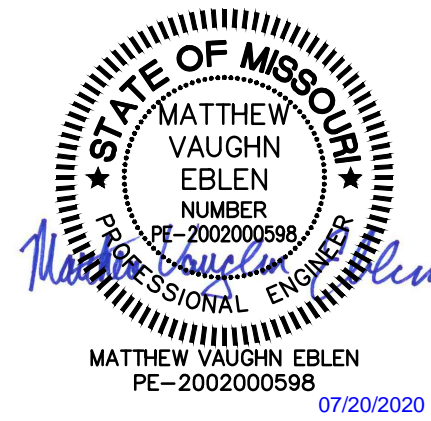
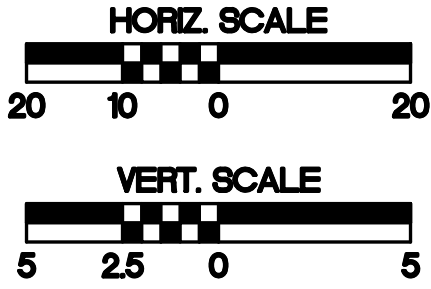
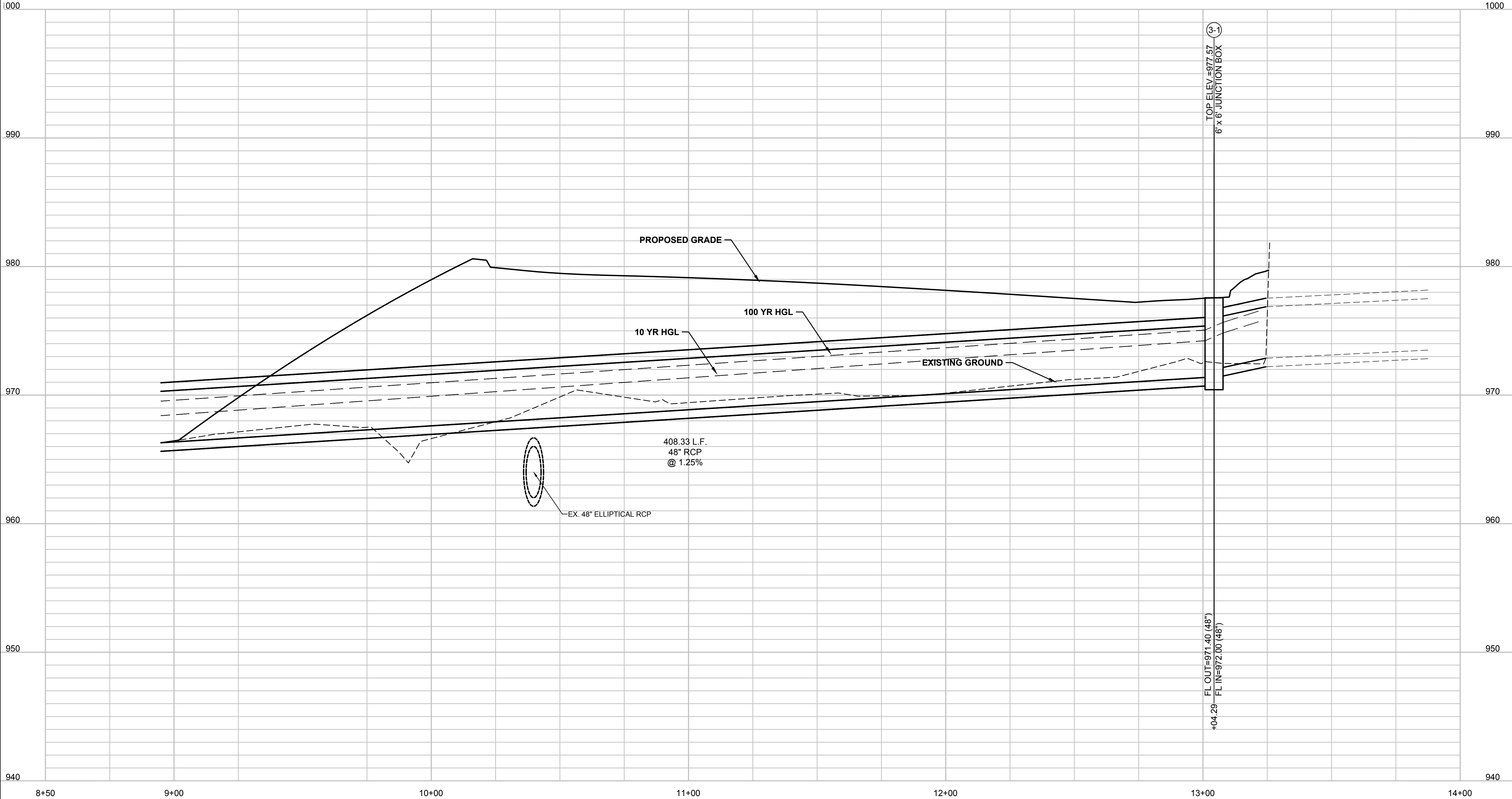
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STORM LINE 3 PROFILE



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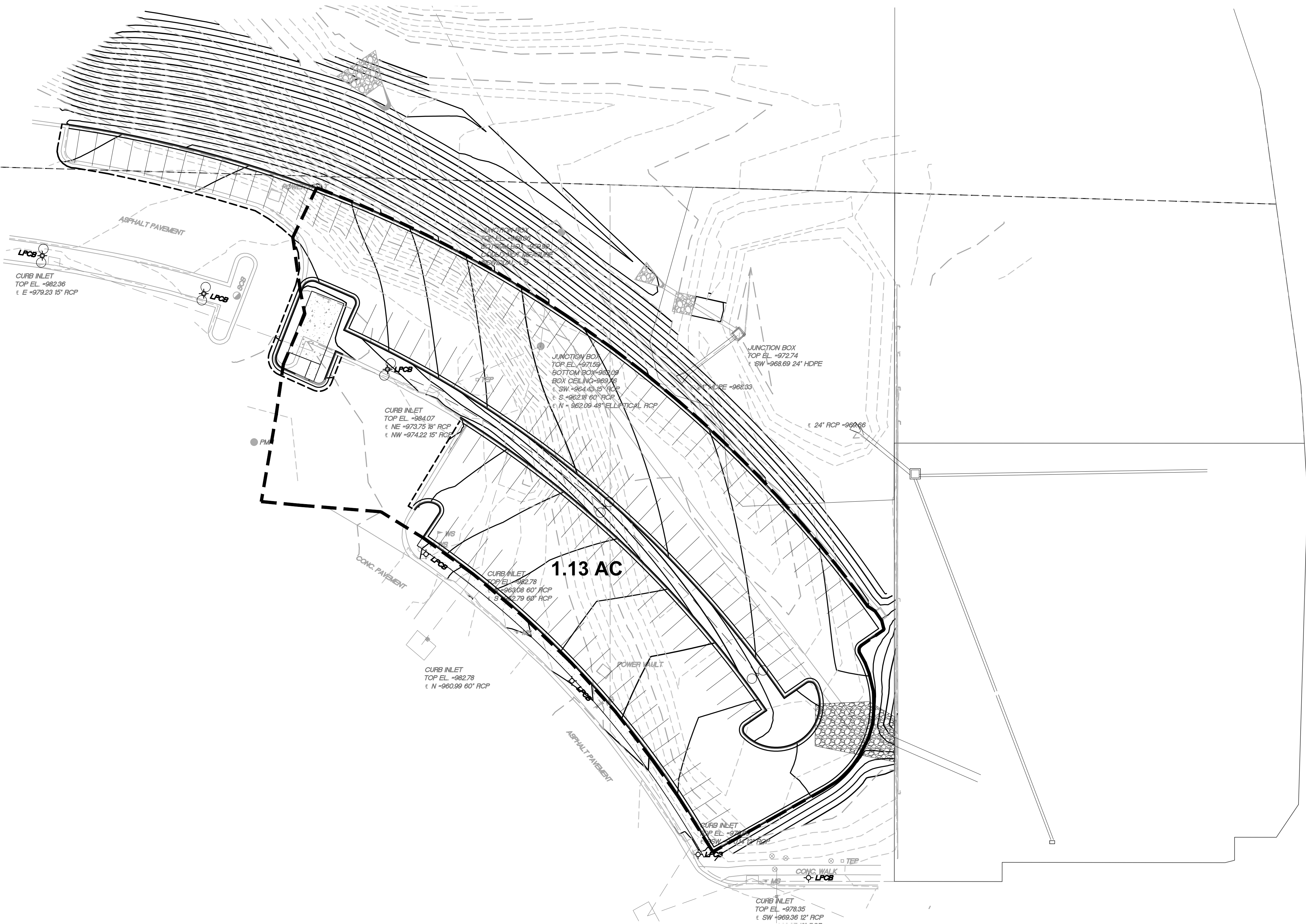
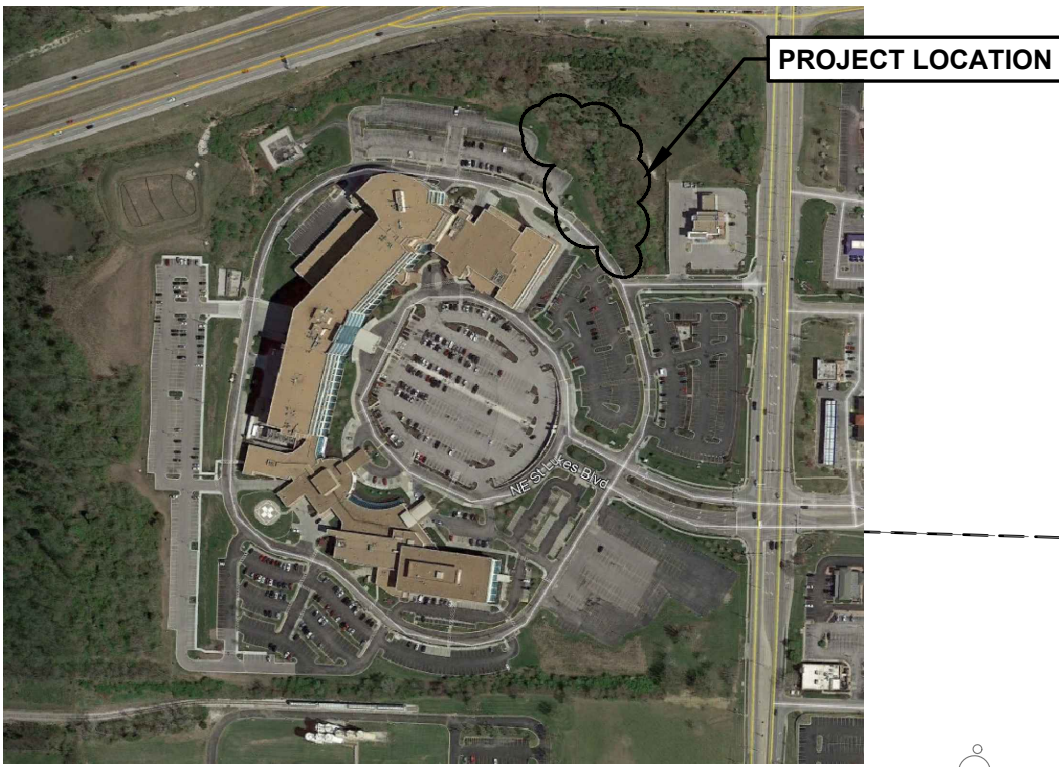
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UTILITY PROFILES-2

BID PACKAGE #4.04.24.2020

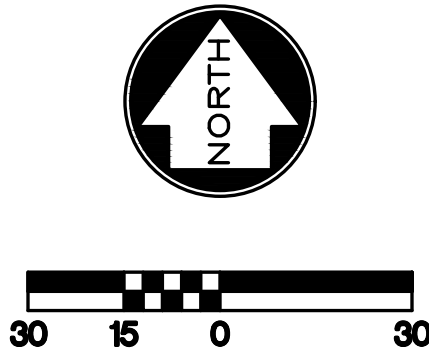




LEGEND			
---	924	---	EXISTING 1' CONTOUR
---	925	---	EXISTING 5' CONTOUR
---	929	---	PROPOSED 1' CONTOUR
---	930	---	PROPOSED 5' CONTOUR

STORM DRAINAGE CALCULATIONS 10-YR.																				
Line ID	Inlet ID	Invert Up	Invert Dn	Drainage Area	Total Area	Runoff Coeff.	Tc	i	Flow Rate	Capacity Full	Velocity Ave.	Pipe Length	Pipe Size	Pipe Material	Pipe Slope	n-value Pipe	HGL Up	HGL Dn	Grnd/Rim Elev. Up	Grnd/Rim Elev. Dn
		(ft)	(ft)	(ac)	(ac)	(C)	(min)	(in/hr)	(cfs)	(cfs)	(ft/s)	(ft)	(in)		(%)		(ft)	(ft)	(ft)	(ft)
3-1 to 3-0	3-1	971.40	966.29	-	35.75	-	20.20	-	87.49	160.64	11.12	408.33	48	RCP	1.25	0.013	974.23	968.40	977.57	-
3-2 to 3-1	3-2	972.87	972.00	-	35.75	-	20.20	-	87.59	298.46	10.10	20.15	48	RCP	4.32	0.013	975.7	974.42	977.80	977.57
3-3 to 3-2	3-3	973.50	972.87	35.75	35.75	0.53	20.00	4.64	87.89	143.69	9.22	62.96	48	RCP	1.00	0.013	976.34	975.70	982.00	977.80
4-1 to 4-0	4-1	962.49	961.80	-	27.45	-	15.10	-	98.09	101.56	9.21	138.04	42x72	RCP	0.50	0.013	965.65	964.96	971.23	-
2-1 to 4-1	2-1	971.53	965.17	1.13	1.13	0.70	5.00	7.34	5.81	11.06	5.20	254.61	15	HDPE	2.50	0.012	972.5	966.45	976.67	971.23
4-2 to 4-1	4-2	962.09	961.81	26.32	26.32	0.68	15.00	5.27	94.26	102.02	7.50	55.52	60	RCP	0.50	0.013	966.69	966.45	979.82	971.23

STORM DRAINAGE CALCULATIONS 100-YR.																				
Line ID	Inlet ID	Invert Up	Invert Dn	Drainage Area	Total Area	Runoff Coeff.	Tc	i	Flow Rate	Capacity Full	Velocity Ave.	Pipe Length	Pipe Size	Pipe Material	Pipe Slope	n-value Pipe	HGL Up	HGL Dn	Grnd/Rim Elev. Up	Grnd/Rim Elev. Dn
		(ft)	(ft)	(ac)	(ac)	(C)	(min)	(in/hr)	(cfs)	(cfs)	(ft/s)	(ft)	(in)		(%)		(ft)	(ft)	(ft)	(ft)
3-1 to 3-0	3-1	971.40	966.29	-	35.75	-	20.20	-	158.78	160.64	13.88	408.33	48	RCP	1.25	0.013	975.06	969.53	977.57	-
3-2 to 3-1	3-2	972.87	972.00	-	35.75	-	20.20	-	158.88	298.46	13.86	20.15	48	RCP	4.32	0.013	976.53	975.25	977.80	977.57
3-3 to 3-2	3-3	973.50	972.87	35.75	35.75	0.53	20.00	8.40	159.17	143.69	12.67	62.96	48	RCP	1.00	0.013	977.64	976.87	982.00	977.80
4-1 to 4-0	4-1	962.49	961.80	-	27.45	-	15.10	-	176.62	101.56	14.06	138.04	42x72	RCP	0.50	0.013	967.89	965.80	971.23	-
2-1 to 4-1	2-1	971.53	965.17	1.13	1.13	0.70	5.00	12.90	10.20	11.06	8.31	254.61	15	HDPE	2.50	0.012	975.18	969.76	976.67	971.23
4-2 to 4-1	4-2	962.09	961.81	26.32	26.32	0.68	15.00	9.47	169.44	102.02	13.48	55.52	60	RCP	0.50	0.013	970.54	969.76	979.82	971.23



STATE OF MISSOURI

MATTHEW VAUGHN EBLEN

NUMBER

PE-200200598

PROFESSIONAL ENGINEER

MATTHEW VAUGHN EBLEN

PE-200200598

07/20/2020

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Saint Luke's East Hospital

North Parking Lot Expansion

100 NE Saint Luke's Blvd

Lee's Summit, MO 64086

Construction Documents

Date	7.17.2020
Job Number	3-19092
Drawn By	KRM
Checked By	MVE

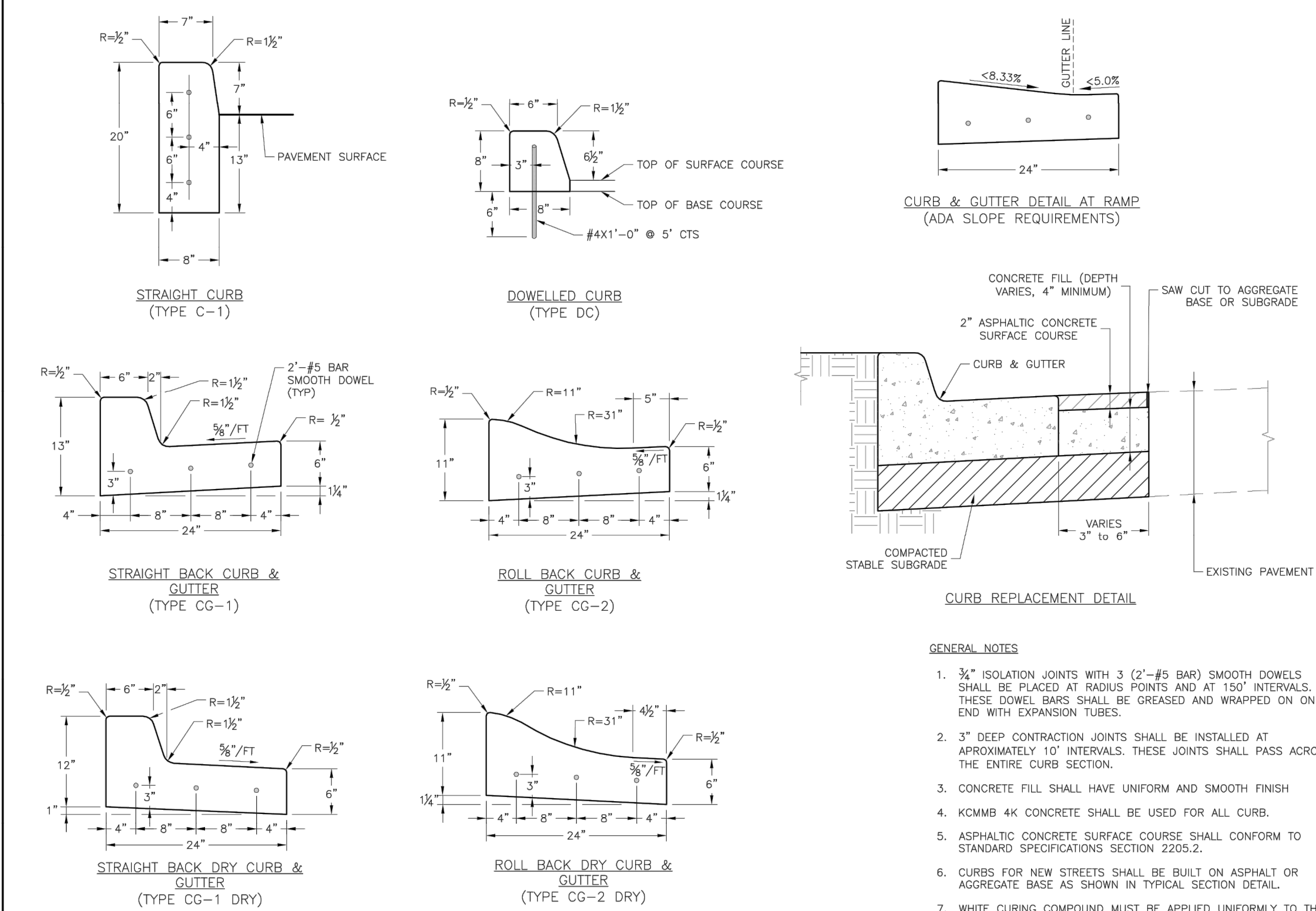
Revision		
Number	Date	Description

C904

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DRAINAGE AREA MAP





LEE'S SUMMIT  
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 2205 S. GREEN STREET | LEE'S SUMMIT, MO 64083

STANDARD DETAILS

CITY OF LEE'S SUMMIT, MO

LEE'S SUMMIT, JACKSON COUNTY, MO

CURB & GUTTER DETAIL

Drawn By: MFP

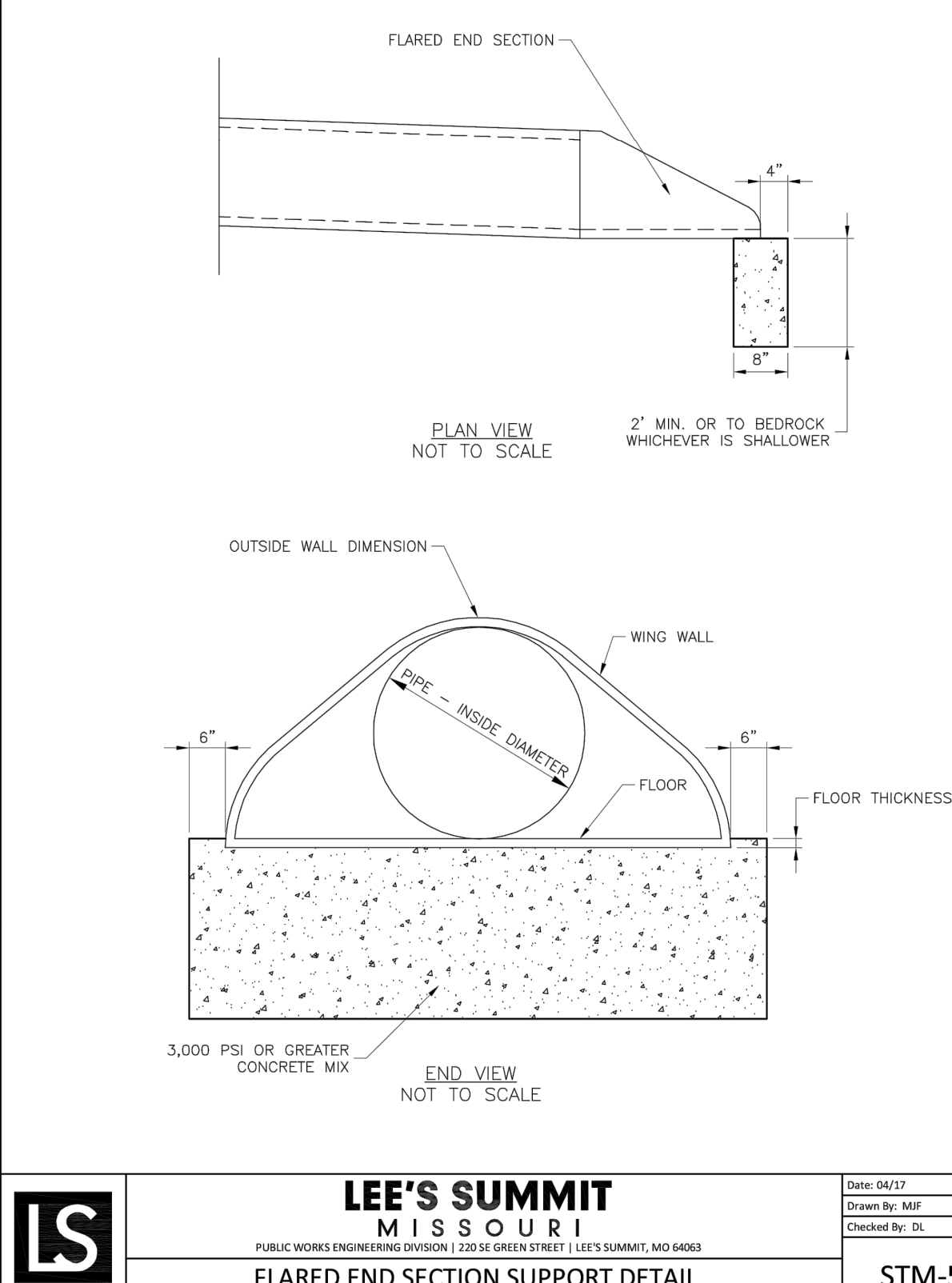
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Date: 04/17

File: 0001

Page: 6

GEN-4



LEE'S SUMMIT  
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 2205 S. GREEN STREET | LEE'S SUMMIT, MO 64083

STANDARD DETAILS

CITY OF LEE'S SUMMIT, MO

LEE'S SUMMIT, JACKSON COUNTY, MO

FLARED END SECTION SUPPORT DETAIL

Drawn By: MFP

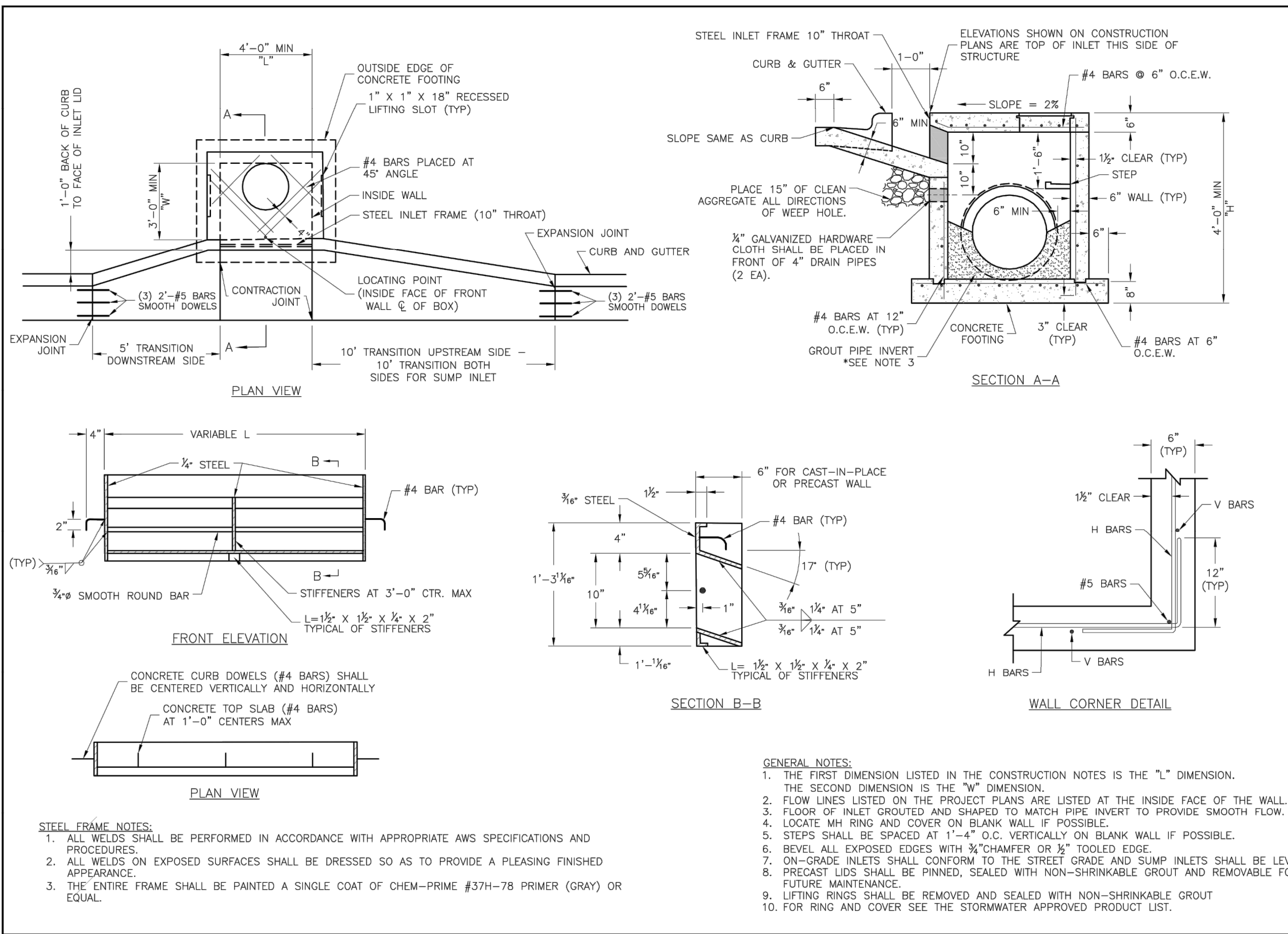
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Date: 04/17

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STM-5



LEE'S SUMMIT  
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 2205 S. GREEN STREET | LEE'S SUMMIT, MO 64083

STANDARD DETAILS

CITY OF LEE'S SUMMIT, MO

LEE'S SUMMIT, JACKSON COUNTY, MO

CURB INLET DETAIL

Drawn By: MFP

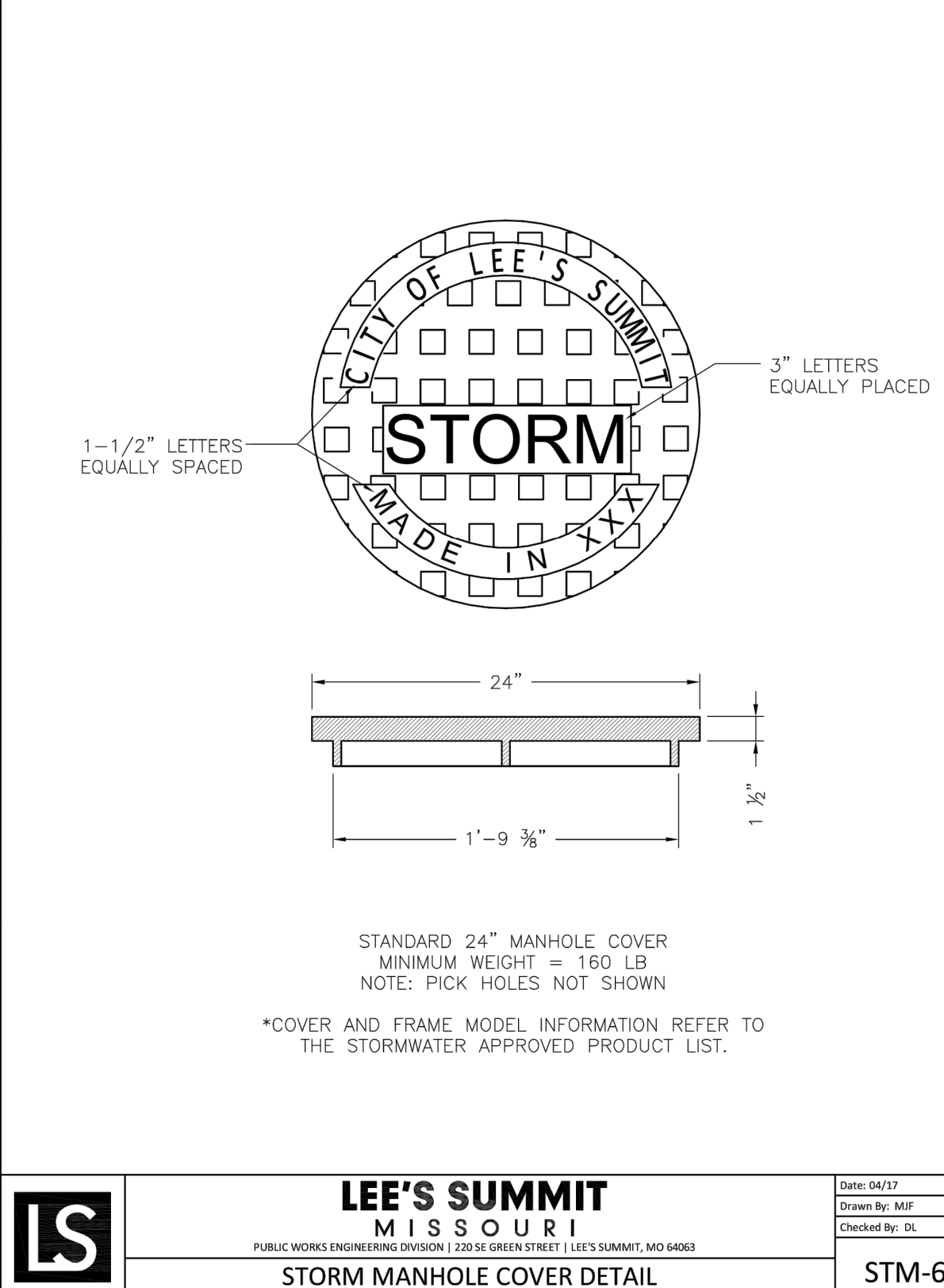
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Date: 04/17

File: 0001

Page: 6

STM-1



LEE'S SUMMIT  
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 2205 S. GREEN STREET | LEE'S SUMMIT, MO 64083

STANDARD DETAILS

CITY OF LEE'S SUMMIT, MO

LEE'S SUMMIT, JACKSON COUNTY, MO

STORM MANHOLE COVER DETAIL

Drawn By: MFP

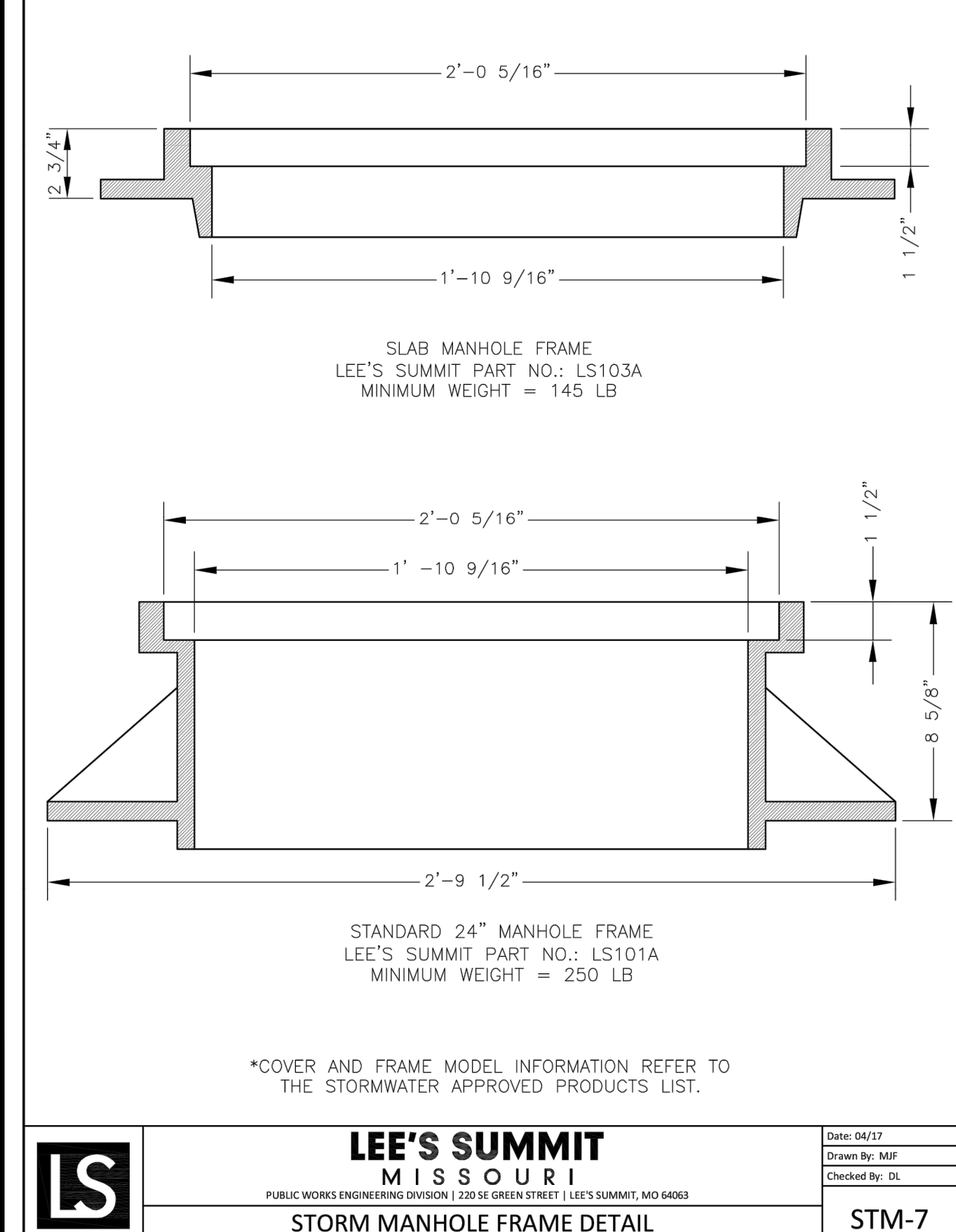
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STM-6



LEE'S SUMMIT  
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 2205 S. GREEN STREET | LEE'S SUMMIT, MO 64083

STANDARD DETAILS

CITY OF LEE'S SUMMIT, MO

LEE'S SUMMIT, JACKSON COUNTY, MO

STORM MANHOLE FRAME DETAIL

Drawn By: MFP

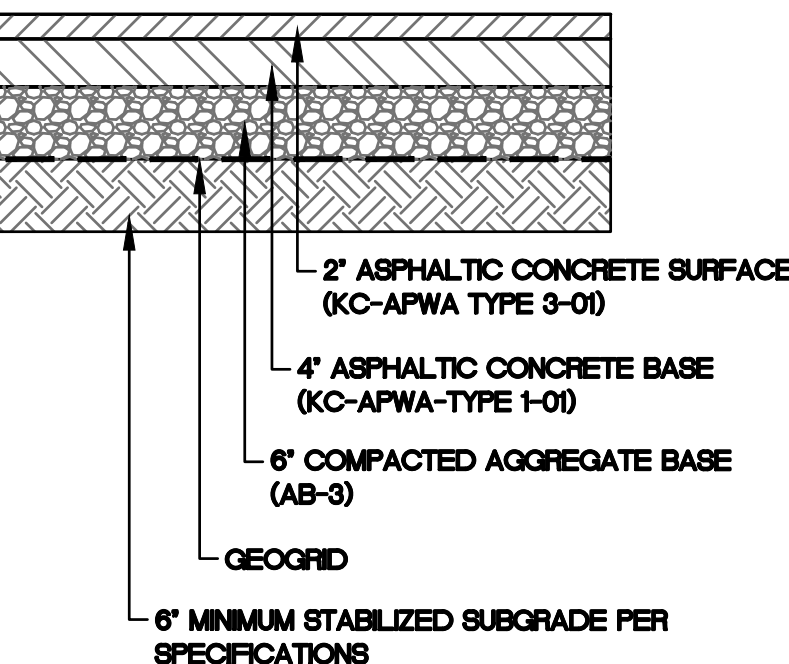
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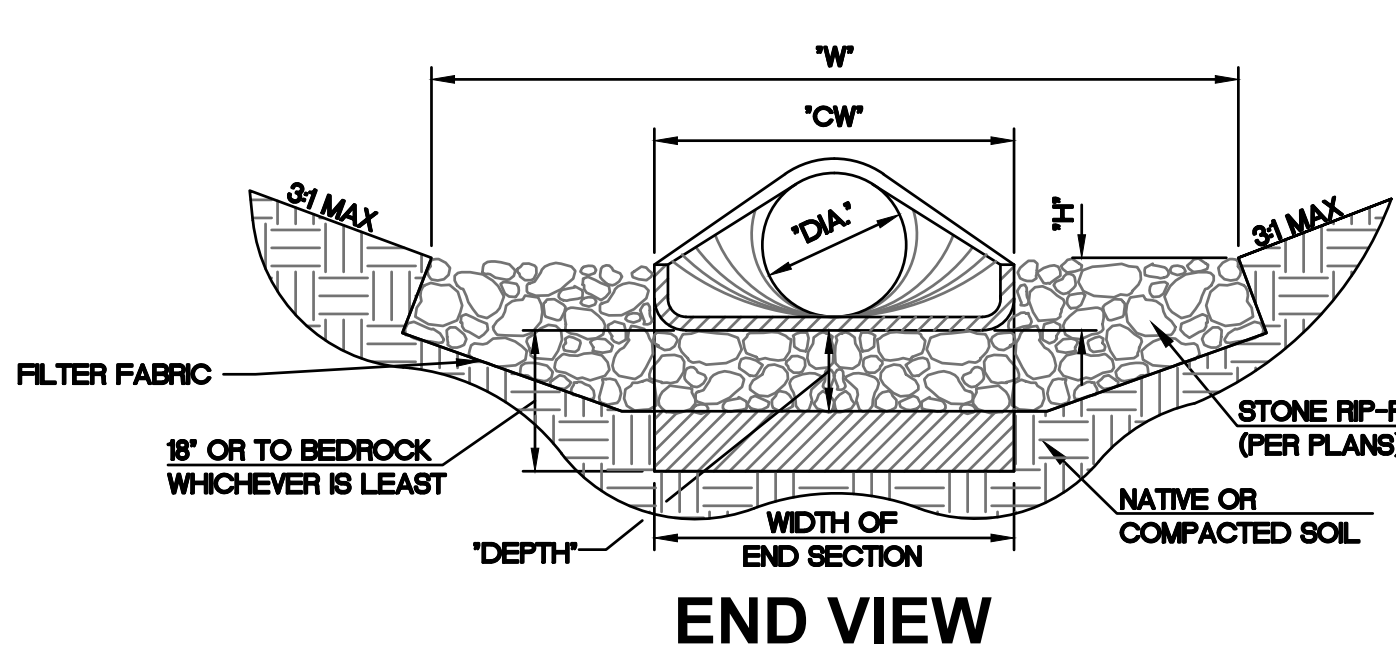
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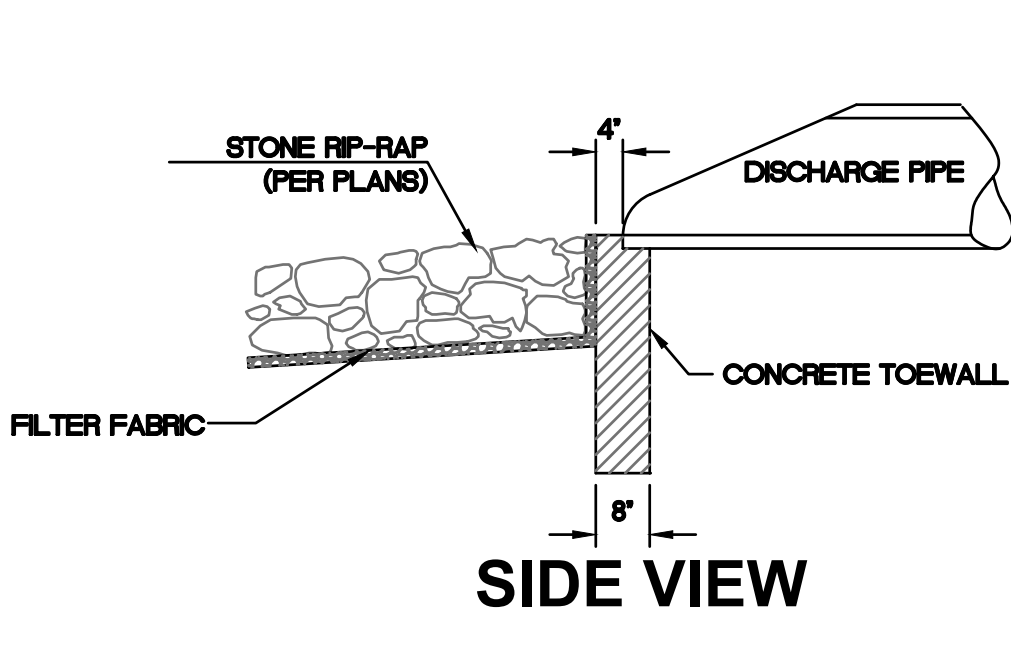
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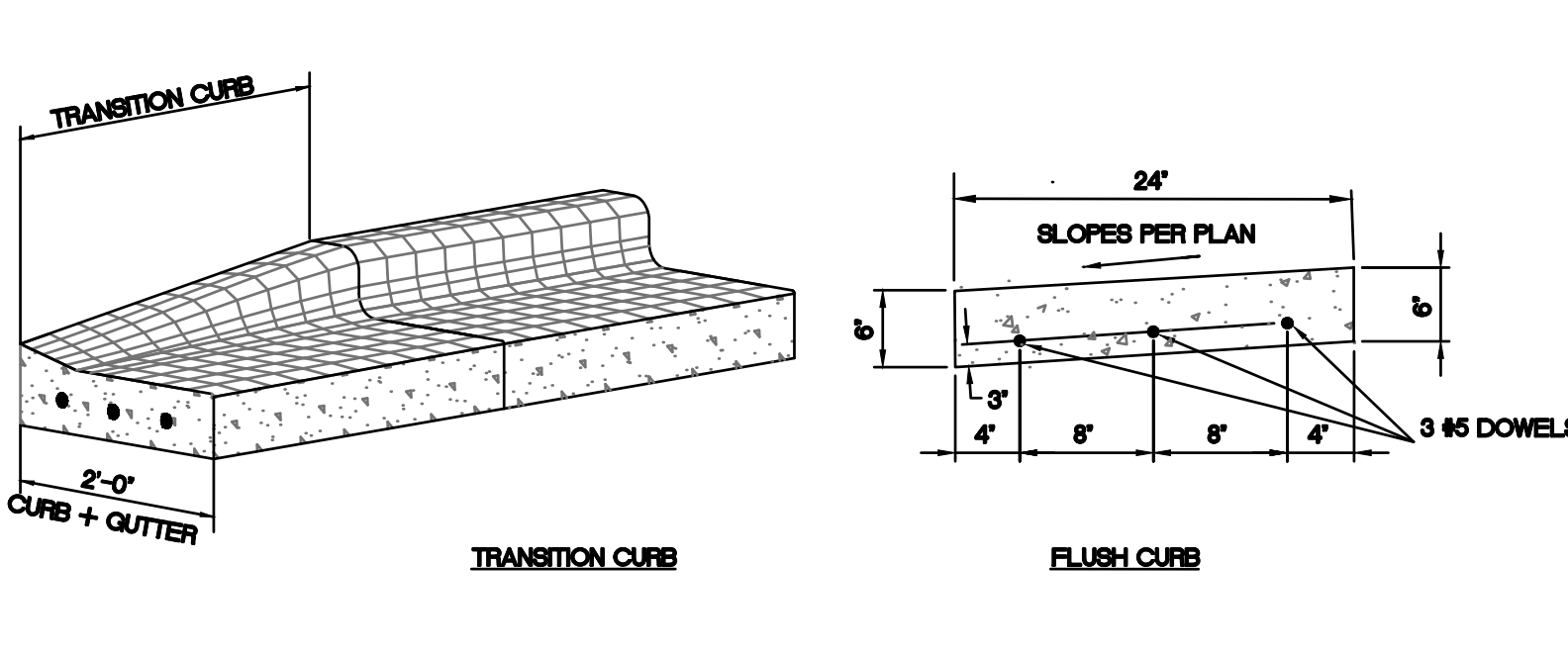
LIGHT DUTY ASPHALT PAVEMENT DETAIL



STORM SEWER END SECTION W/ TOEWALL & RIP-RAP



CURB DETAILS



STATE OF MISSOURI

MATTHEW VAUGHN EBLEN

NUMBER 000000000

PROFESSIONAL ENGINEER

MATTHEW VAUGHN EBLEN

PE-2002000598

07/20/2020

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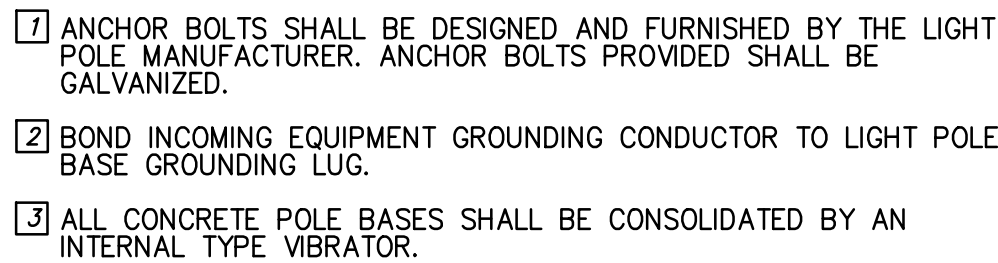
**Saint Luke's East Hospital**  
**North Parking Lot Expansion**  
**100 NE Saint Luke's Blvd**  
**Lee's Summit, MO 64086**  
**Construction Documents**

Date: 7.17.2020  
Job Number: 3-19092  
Drawn By: KRM  
Checked By: MVE

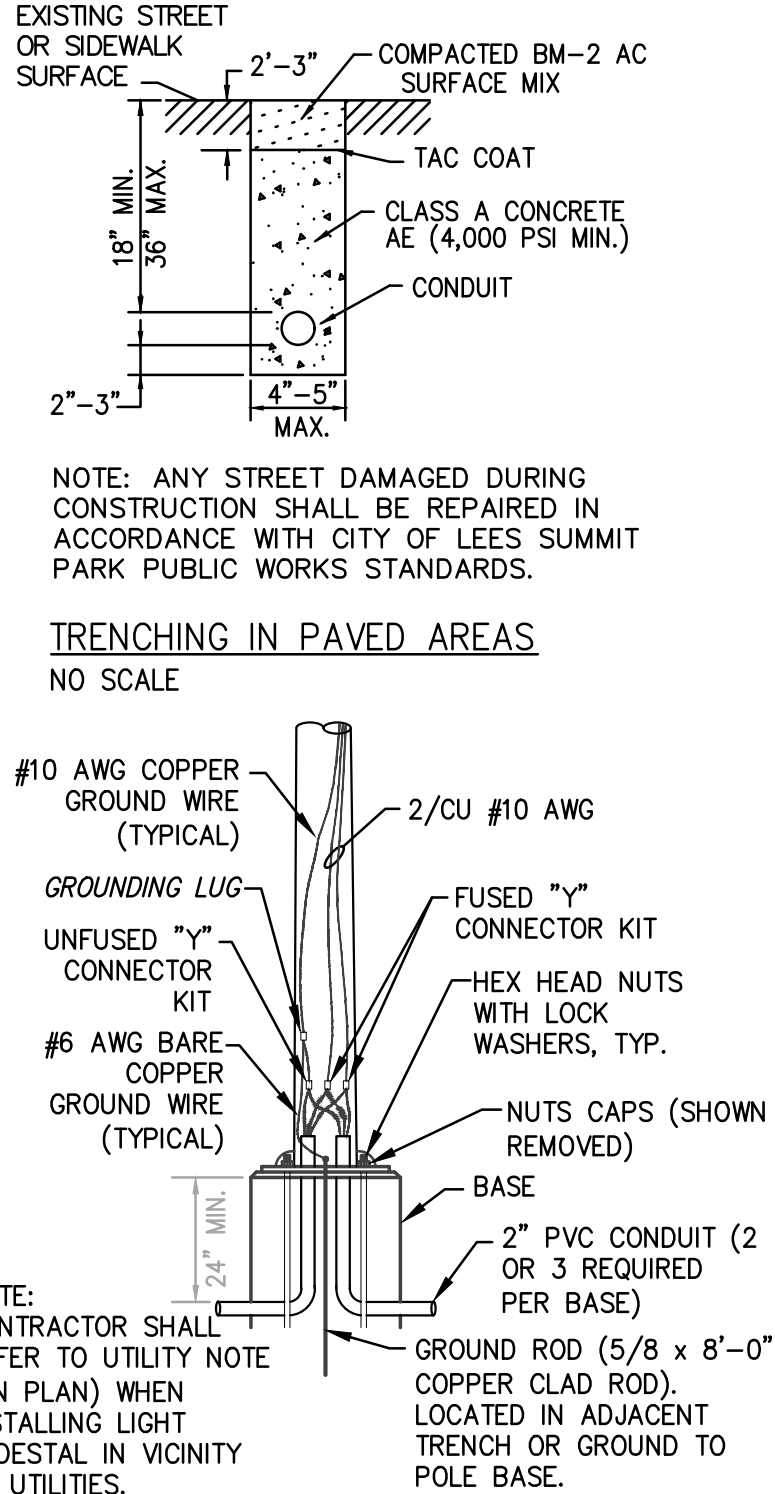
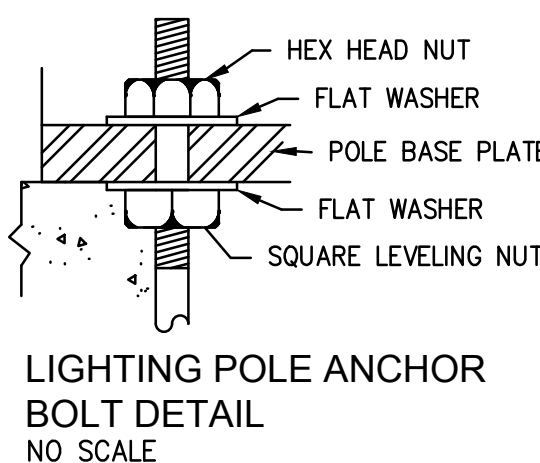
Revision  
Number Date Description

**C1000**  
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DETAILS

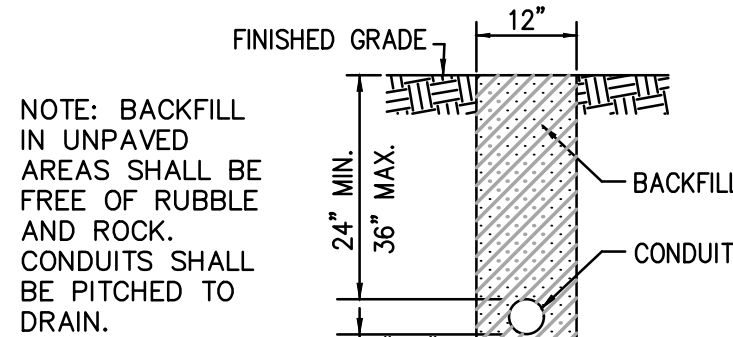




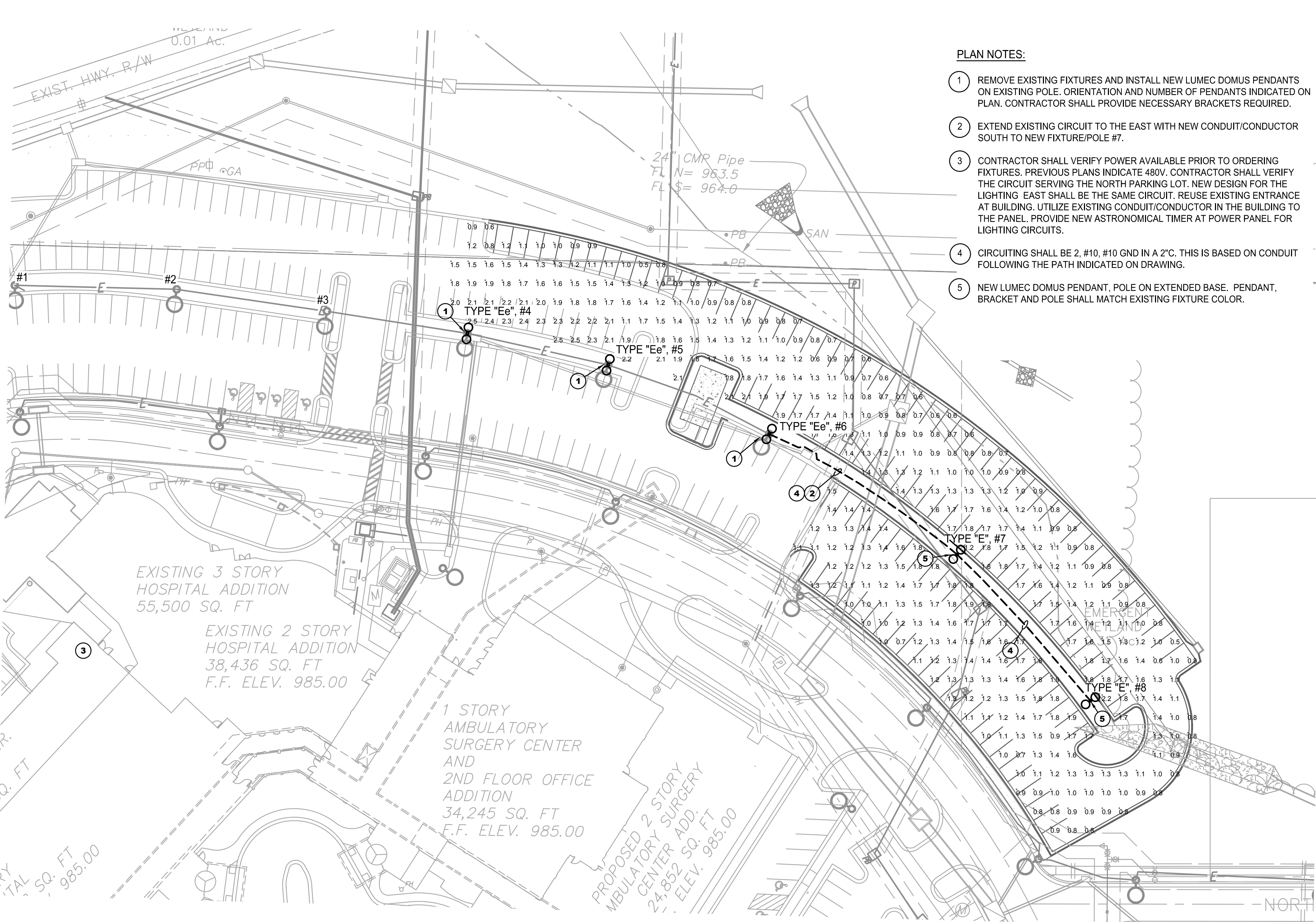
The diagram illustrates a Fused Connector assembly. It consists of a central **HEB-BUSS FUSE HOLDER** flanked by two **FUSE TERMINAL** components. On the left, a **CABLE** is connected to the first fuse terminal. On the right, an **8 AMP CTK FUSE** is inserted into the second fuse terminal, which is then connected to a **FUSE TERMINAL**. The assembly is divided into two sections: the **LINE SIDE HOUSING** on the left and the **LOAD SIDE HOUSING** on the right. The entire unit is labeled **FUSED CONNECTOR** and **NO SCALE**.



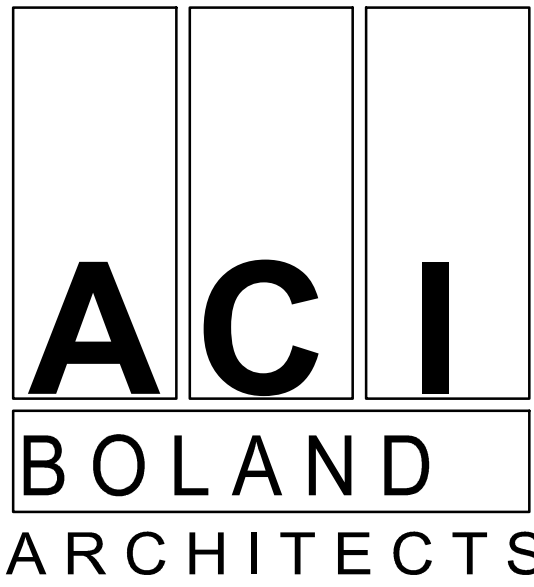
POLE TO BASE CONNECTIONS  
NO SCALE



TRENCHING IN UNPAVED AREAS  
NO SCALE



- ① REMOVE EXISTING FIXTURES AND INSTALL NEW LUMEC DOMUS PENDANTS ON EXISTING POLE. ORIENTATION AND NUMBER OF PENDANTS INDICATED ON PLAN. CONTRACTOR SHALL PROVIDE NECESSARY BRACKETS REQUIRED.
- ② EXTEND EXISTING CIRCUIT TO THE EAST WITH NEW CONDUIT/CONDUCTOR SOUTH TO NEW FIXTURE/POLE #7.
- ③ CONTRACTOR SHALL VERIFY POWER AVAILABLE PRIOR TO ORDERING FIXTURES. PREVIOUS PLANS INDICATE 480V. CONTRACTOR SHALL VERIFY THE CIRCUIT SERVING THE NORTH PARKING LOT. NEW DESIGN FOR THE LIGHTING EAST SHALL BE THE SAME CIRCUIT. REUSE EXISTING ENTRANCE AT BUILDING. UTILIZE EXISTING CONDUIT/CONDUCTOR IN THE BUILDING TO THE PANEL. PROVIDE NEW ASTRONOMICAL TIMER AT POWER PANEL FOR LIGHTING CIRCUITS.
- ④ CIRCUITING SHALL BE 2, #10, #10 GND IN A 2". THIS IS BASED ON CONDUIT FOLLOWING THE PATH INDICATED ON DRAWING.
- ⑤ NEW LUMEC DOMUS PENDANT, POLE ON EXTENDED BASE. PENDANT, BRACKET AND POLE SHALL MATCH EXISTING FIXTURE COLOR.



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Kansas City, MO 64108  
Phone Number: 816.842.8437  
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4"

HEIGHT

16"

HAND HOLE

16" - 16 DIA. BOLT CIRCLE

BOLT PROJECTION

BOLT PROJECT ACTIVE GRADE

MINIMUM 3 MAXIMUM 3

All above design calculations are based on sustained wind forces  
plus additional 1.3 wind gust  
(Example: Pole rated at 80 MPH withstands 104 MPH gusts)



MODEL RNTS	POLES				MOUNTING		FINISH	OPTIONS
MODEL NO.:	POLES				MOUNTING		FINISH	OPTIONS
R N T S		POLE HEIGHT	WALL THICKNESS	BOLT CIRCLE	ANCHORAGE		STANDARD SMOOTH FINISH	
	<input type="checkbox"/> 104-11	10'	11"	9"	3/4"x18"x3"		<input type="checkbox"/> DUPLEX RECEPTACLE DUP	
	<input type="checkbox"/> 124-11	12'	11"	9"	3/4"x18"x3"		<input type="checkbox"/> GFI RECEPTACLE GFI	
	<input type="checkbox"/> 144-11	14'	11"	9"	3/4"x18"x3"		<input type="checkbox"/> 3 WAY ADAPTER T3120	
	<input type="checkbox"/> 164-11	16'	11"	9"	3/4"x18"x3"		<input type="checkbox"/> 4 WAY ADAPTER T4100	
	<input type="checkbox"/> 184-11	18'	11"	9"	3/4"x24"x3"		<input type="checkbox"/> ROUND BASE COVER RBC	
	<input type="checkbox"/> 204-11	20'	11"	10"	3/4"x24"x3"		<input type="checkbox"/> 1/2" COUPLING CP1N1/2	
	<input type="checkbox"/> 204-7	20'	7"	10"	3/4"x30"x3"		<input type="checkbox"/> 3/4" COUPLING CP1N3/4	
	<input type="checkbox"/> 244-7	24'	7"	11"	3/4"x30"x3"		<input type="checkbox"/> 2" COUPLING CP1N2	
								SEE ACCESSORIES SECTION FOR OTHER OPTIONS.

1. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF CITY OF LEE'S SUMMIT, MISSOURI.
2. THE UTILITY LOCATIONS SHOWN ON THESE PLANS ARE TAKEN FROM UTILITY COMPANY RECORDS AND ARE APPROXIMATE ONLY. THEY DO NOT CONSTITUTE ACTUAL FIELD LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF THE SENATE BILL NUMBER 553, 78TH GENERAL ASSEMBLY OF THE STATE OF MISSOURI. THE BILL REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT-OF-WAY DO SO ONLY AFTER GIVING NOTICE TO, AND OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS ADVANCE NOTICE. THE NAMES AND TELEPHONE NUMBERS OF UTILITY COMPANIES, EVEN IF ONLY REMOTELY INVOLVED WITH THIS PROJECT ARE AS FOLLOWS:

ELECTRIC	KANSAS CITY POWER & LIGHT CO.	888-474-5275
GAS	MISSOURI GAS ENERGY	816-756-5252
WATER	CITY OF LEE'S SUMMIT	816-969-1940
TELEPHONE	AT&T	800-464-7928
SEWER	CITY OF LEE'S SUMMIT	816-969-1940
CABLE TV	TIME WARNER	816-358-8833
	COMCAST	816-833-3400

THE CONTRACTOR MAY ALSO UTILIZE THE FOLLOWING TOLL FREE PHONE NUMBER PROVIDED BY MISSOURI ONE CALL SYSTEM, INC.: 1-(800)-DIG RITE. THIS PHONE NUMBER IS APPLICABLE ANYWHERE WITHIN THE STATE OF MISSOURI. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL NOTIFY ALL THOSE COMPANIES WHICH HAVE FACILITIES IN THE NEAR VICINITY OF THE CONSTRUCTION TO BE PERFORMED.

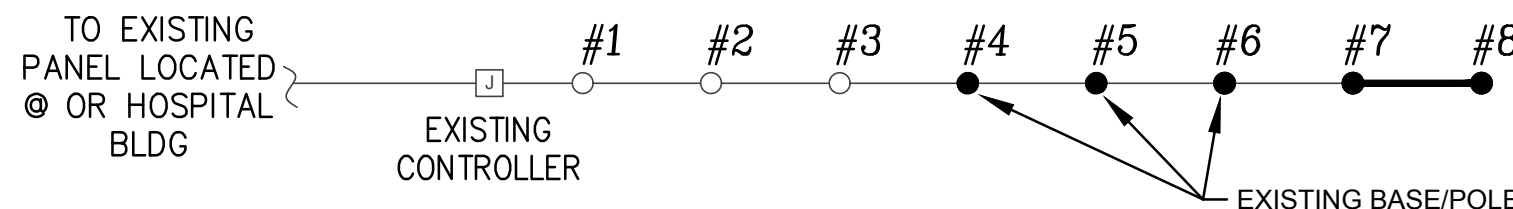
4. ALL EXCESS AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF AT A LOCATION OFF SITE PROVIDED BY THE CONTRACTOR.
5. ALL CONDUIT CROSSINGS SHALL BE INDICATED WITH AN ALUMINUM MARKER IN TOP OF CURB. ALUMINUM MARKERS TO BE FURNISHED AND INSTALLED BY CONTRACTOR.
6. ALL CONDUIT RUNS SHALL BE PLACED 2' FROM BACK OF CURB WHERE POSSIBLE, MINIMUM DEPTH 24".
7. HOMERUNS SHALL NOT RUN THROUGH UNDEVELOPED AREAS.
8. INDIVIDUAL AND SYSTEM GROUNDS SHALL BE INSTALLED ON ALL CIRCUITS. ALL DISTRIBUTION CABLE SHALL BE PLACED IN A SCHEDULE 40 PVC CONDUIT. CIRCUIT AS INDICATED.
9. LUMINAIRE ORIENTATION AND OPTICS ORIENTATION SHALL BE AS SHOWN ON PLANS.
10. SHOULD CONTRACTOR DEViate CONDUIT ROUTE, CONTRACTOR SHALL VERIFY VOLTAGE DROP CALCULATIONS.

Luminaire Schedule								
Symbol	Label	Qty	LLF	Watts per luminaire	Lumens	Model Number	Manufacturer	Notes
	Ee	3	0.90	135	13626	DMS50-135W80LED4K-T-LE5F-480-DMG-GNCTX / IF-1A-TBD-GN6TX	SIGNIFY LUMEC - DOMUS	1,3
	E	2	0.90	135	13626	DMS50-135W80LED4K-T-LE5F-480-DMG-GNCTX / IF-1A-TBD-GN6TX	SIGNIFY LUMEC - DOMUS	1,2

1. LUMENS AND WATTS ARE PER EACH LUMINAIRE HEAD (TWO HEADS PER POLE).

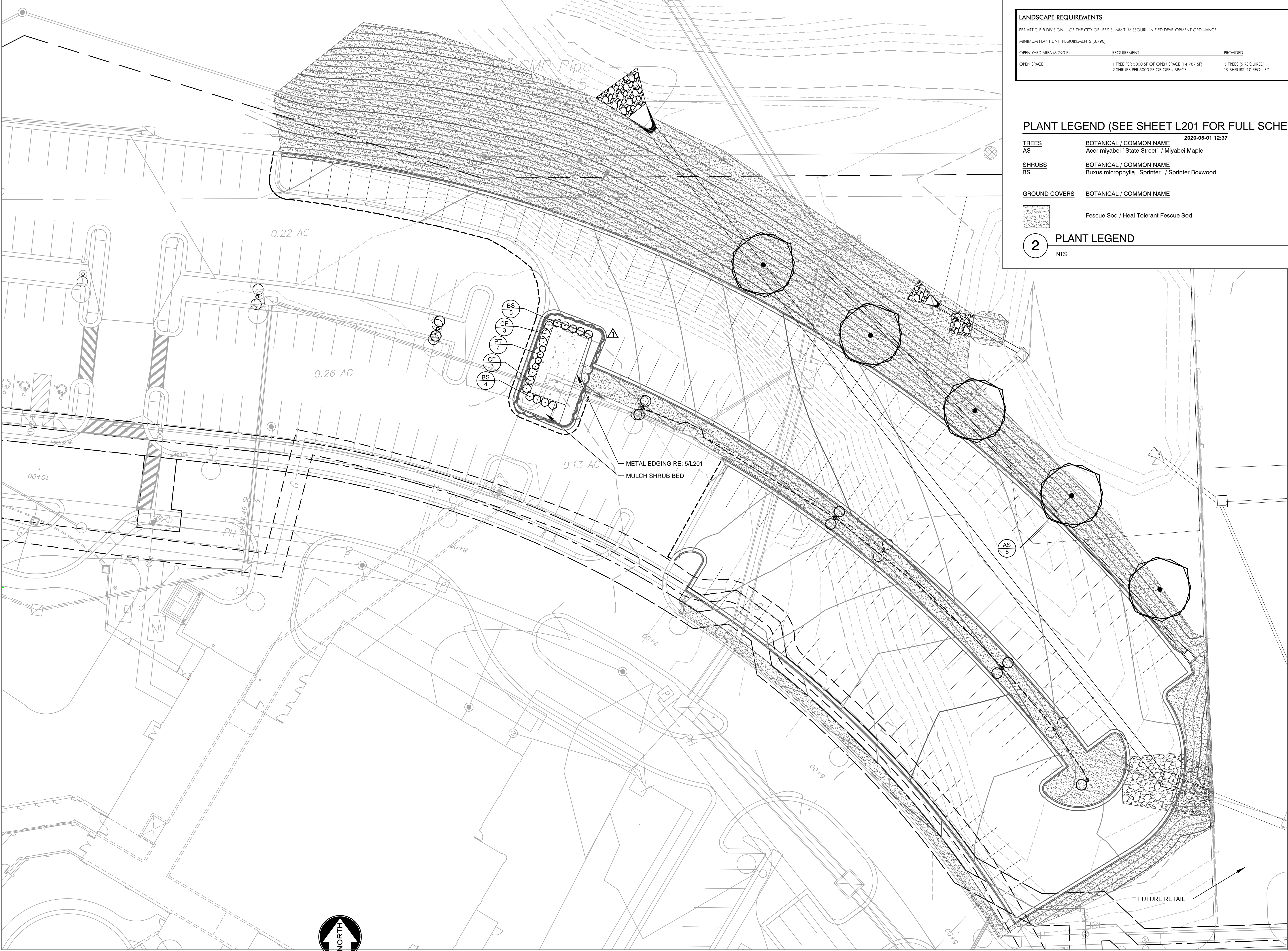
2. NEW EXTENDED BASE REQUIRED FOR DOMUS "E" BACK TO BACK FIXTURE. BRACKETS PER CONFIGURATION SHOW ON PLAN. PROVIDE 4" ROUND STRAIGHT STEEL US ARCHITECTURAL POLE RNTS 244-7-X-RAL-6005-S. DRILLING MOUNT AND GOOSENECK BRACKET PER CONFIGURATION SHOW ON PLAN. PROVIDE STANDARD BASE COVER.
3. REUSE EXISTING POLE. REMOVE EXISTING FIXTURE AND INSTALL "Ee" DOMUS BACK TO BACK FIXTURE. PROVIDE LUMEC GOOSENECK BRACKETS AS REQUIRED PER CONFIGURATIONS SHOWN ON PLAN.

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
North Addition	Fc	1.32	2.5	0.5	2.64	5.00



## ONELINE DIAGRAM





1 OVERALL LANDSCAPE PLAN

1" = 30'

20 10 0 20

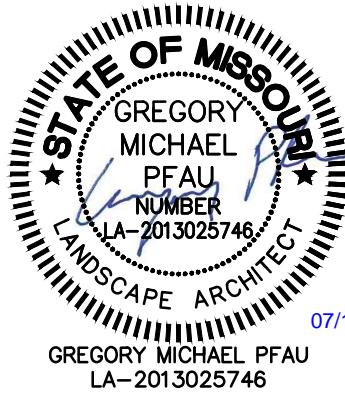
LANDSCAPE REQUIREMENTS		
PER ARTICLE 8 DIVISION III OF THE CITY OF LEE'S SUMMIT, MISSOURI UNIFIED DEVELOPMENT ORDINANCE:		
MINIMUM PLANT UNIT REQUIREMENTS (8.790)		
OPEN YARD AREA (8.790.B)	REQUIREMENT	PROVIDED
OPEN SPACE	1 TREE PER 5000 SF OF OPEN SPACE (14,787 SF) 2 SHRUBS PER 5000 SF OF OPEN SPACE	5 TREES (5 REQUIRED) 19 SHRUBS (10 REQUIRED)

PLANT LEGEND (SEE SHEET L201 FOR FULL SCHEDULE)

2020-05-01 12:37	
TREES	BOTANICAL / COMMON NAME
AS	Acer miyabei 'State Street' / Miyabei Maple
SHRUBS	BOTANICAL / COMMON NAME
BS	Buxus microphylla 'Sprinter' / Sprinter Boxwood
GROUND COVERS	BOTANICAL / COMMON NAME
	Fescue Sod / Heal-Tolerant Fescue Sod

2 PLANT LEGEND

NTS



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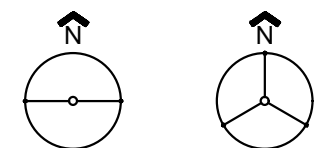
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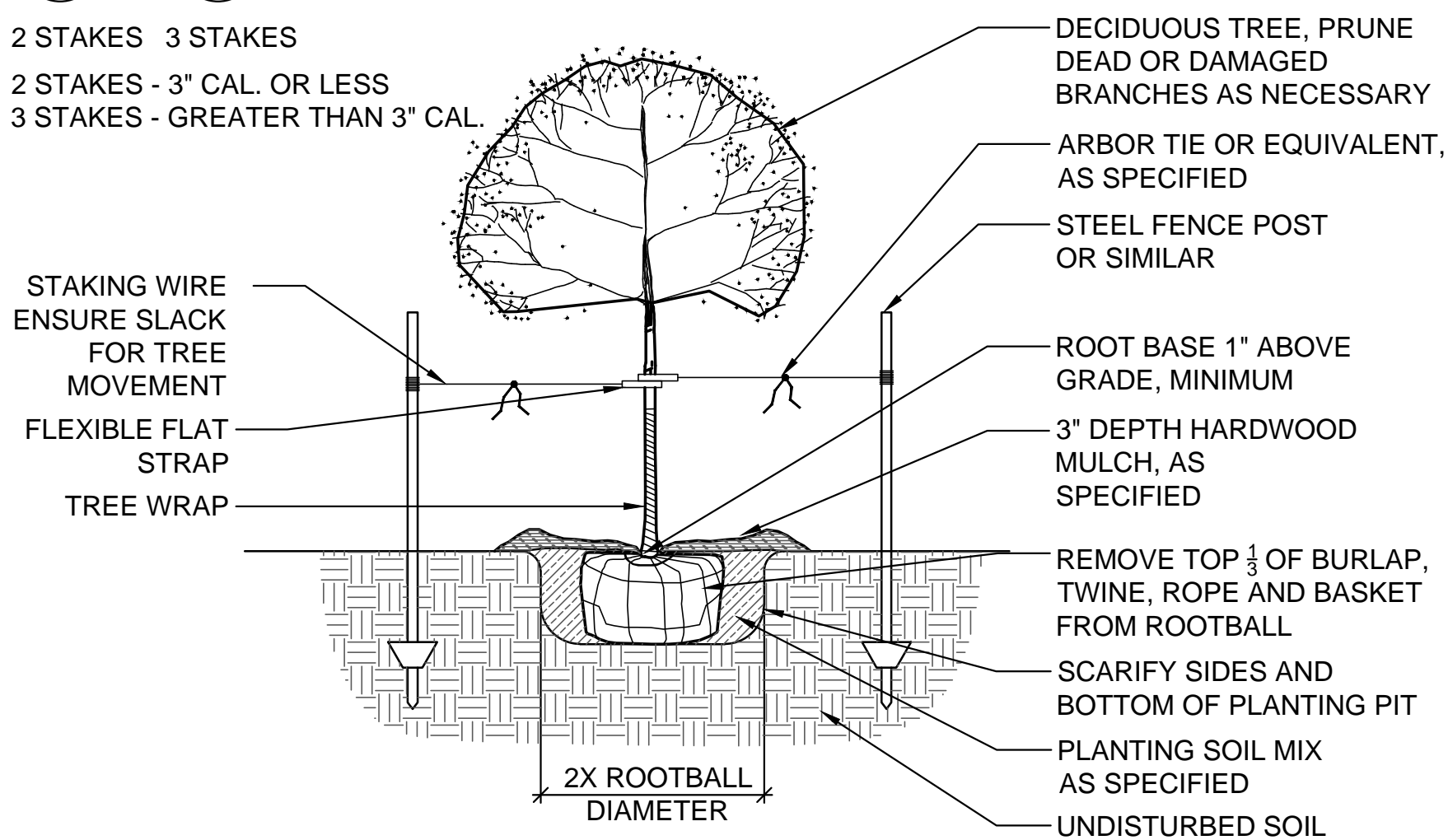
Revision		
Number	Date	Description
1	05-18-2020	ASI 9



STAKING ORIENTATION



- 2 STAKES 3 STAKES  
2 STAKES - 3" CAL. OR LESS  
3 STAKES - GREATER THAN 3" CAL.



3 DECIDUOUS TREE PLANTING

1/2" = 1'-0"

329343.02-01

4 SHRUB AND PERENNIAL PLANTING

1/2" = 1'-0"

329333-04

5 METAL EDGING

1" = 1'-0"

329413.23-08

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	CAL	
	AS	5	Acer miyabei `State Street` / Miyabei Maple	B & B	2"Cal	
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	
	BS	9	Buxus microphylla `Sprinter` / Sprinter Boxwood	1 gal		
	CF	6	Cornus sericea `Farrow` / Arctic Fire Red Twig Dogwood	1 gal.		
	PT	4	Physocarpus opulifolius `SMPOTW` / Tiny Wine Ninebark	1 gal		
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING
	FH	28,455 sf	Fescue Sod / Heal-Tolerant Fescue Sod	SF		

1 PLANT SCHEDULE

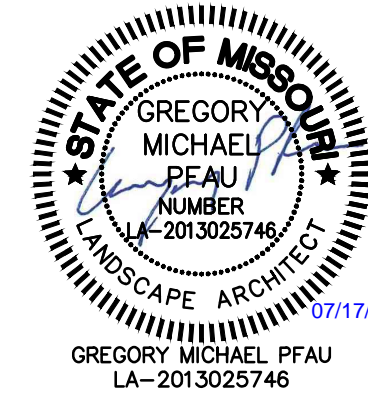
NTS

LANDSCAPE PLAN NOTES:

- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES, IRRIGATION PIPING AND DRAINAGE STRUCTURES BEFORE COMMENCING WORK. INFORMATION SHOWN ON PLAN IS FROM AVAILABLE INFORMATION AND ALL LOCATIONS SHOWN SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO ANY OF THE PREVIOUSLY LISTED ITEMS.
- CONTRACTOR SHALL VERIFY ALL PLANT MATERIAL QUANTITIES PRIOR TO PLANTING. ANY DISCREPANCIES WITH THE PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE PLAN QUANTITIES SHALL SUPERCEDE SCHEDULED QUANTITIES
- CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES SHOWN PRIOR TO PLANTING. QUANTITIES PROVIDED ARE FOR CONVENIENCE ONLY AND CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND INSTALLING THE QUANTITY OF PLANT MATERIALS SHOWN ON THE PLANS. ANY DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT. ALL PLANT MATERIAL TO BE SPACED AS SHOWN, UNLESS OTHERWISE NOTED.
- LOCATION AND PLACEMENT OF ALL PLANT MATERIAL SHALL BE STAKED OR LAID OUT IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- NO SUBSTITUTION (INCL. CULTIVARS) SHALL BE ACCEPTED WITHOUT WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- ALL PLANT MATERIAL SHALL BE OF EXCELLENT QUALITY, FREE OF DISEASE & INFESTATION-TRUE TO TYPE, VARIETY, SIZE SPECIFIED, & FORM PER ANSA STANDARDS.
- ALL TREES & MULCH BEDS (UNLESS ROCK MULCH) SHALL RECEIVE 3" MIN. OF SHREDDED DARK BROWN PREMIUM HARDWOOD MULCH, AS DETAILED. ADD PREEN OR SNAPSHOT TO BEDS BEFORE & AFTER MULCHING FROM MARCH 1 TO OCTOBER 1. IF WINTER INSTALLATION, RETURN NEXT SPRING & INSTALL PREEN/SNAPSHOT WITH NEW MULCH.
- TREE TIES SHALL BE DEWITT 20" STRAPS FOR TREE STAKING. USE 10 GAUGE ELECTRIC WIRE. TREES AND STAKES SHALL BE STRAIGHT, PLUMB AND TAUT; TREE STAKES TO BE REMOVED WINTER OF YEAR 2 AFTER INSTALLATION.
- CONTRACTOR SHALL THOROUGHLY WATER-IN EACH PLANT IMMEDIATELY FOLLOWING INSTALLATION AND CONTINUE WATERING UNTIL SUBSTANTIAL COMPLETION. CONTRACTOR REQUIRED TO COORDINATE WATERING WITH THE OWNER AFTER SUBSTANTIAL COMPLETION.
- ALL AREAS OF THE SITE DISTURBED DURING CONSTRUCTION THAT ARE NOT DESIGNATED AS BEDS / PAVEMENT AREAS SHALL BE SODDED WITH 90% TURF-TYPE TALL FESCUE AND 10% BLUEGRASS MIX SOD.
- CONTRACTOR SHALL THOROUGHLY WATER-IN EACH PLANT IMMEDIATELY FOLLOWING INSTALLATION AND CONTINUE WATERING THROUGH SUBSTANTIAL COMPLETION TO ENSURE HEALTHY ESTABLISHMENT. CONTRACTOR REQUIRED TO COORDINATE WATERING WITH THE OWNER AFTER SUBSTANTIAL COMPLETION. PROVIDE HOURLY RATE TO WATER THE SITE, IF IRRIGATION NOT INSTALLED OR NOT WORKING.
- NO TREES SHALL BE PLANTED OVER TOP OF ANY UTILITY LINES OR PIPES. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO PLANTING AND ANY MODIFICATIONS TO TREE LOCATIONS SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT AND APPROVED BY THE CITY PRIOR TO PLANTING.
- ALL PLANT MATERIALS AND IRRIGATION SYSTEM SHALL BE GUARANTEED FOR 1 YEAR FROM DATE OF SUBSTANTIAL COMPLETION, UNLESS OTHERWISE INDICATED IN THE SPECIFICATIONS. PLANT MATERIALS WILL BE ONE TIME REPLACEMENT AND RECORDS KEPT BY THE LANDSCAPE CONTRACTOR FOR ALL REPLACEMENTS.
- CONTRACTOR SHALL REPORT SUBSURFACE SOIL OR DRAINAGE PROBLEMS TO THE LANDSCAPE ARCHITECT.
- THIS LANDSCAPE PLAN IS DESIGNED TO BE IN CONFORMANCE WITH THE LEE'S SUMMIT, MISSOURI UNIFIED DEVELOPMENT STANDARDS. THE LANDSCAPE ARCHITECT WILL COORDINATE CLOSELY WITH THE CITY OF LEE'S SUMMIT, MISSOURI TO MAKE SURE FINAL DEVELOPMENT AND PERMIT PLANS ARE IN CONFORMANCE WITH THIS CODE.

2 GENERAL LANDSCAPE NOTES

NTS



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Saint Luke's East Hospital  
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Lee's Summit, MO 64086  
Construction Documents

Date	7.17.2020
Job Number	3-19092
Drawn By	AJD
Checked By	GMP

Revision		
Number	Date	Description

L202

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LANDSCAPE NOTES AND DETAILS -  
NORTH PARKING LOT EXPANSION