

The Manor at Stoney Creek - 3rd Plat

Lots 82 Thru 108 CONSTRUCTION PLANS

Part of the SW 1/4 Section 36, Township 47 N, Range 32 W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

CONSTRUCTION AND DESIGN NOTES:

STREET & STORM SEWERS:

1 ~ STREET PAVEMENT SHALL CONSIST OF TYPE CG-2 CURBS WITH PAVEMENT PER TABLE LS-2 OF THE LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL

RESIDENTIAL LOCAL STREET	
OPTION 1)	4" TYPE II ASPHALT BASE AND 2" TYPE III ASPHALT SURFACE OVER A 6" MoDOT TYPE 5 BASE AND A SUBGRADE MIXTURE OF 6" FLY ASH STABILIZED SUBGRADE IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL.
OPTION 2)	4" TYPE II ASPHALT BASE AND 2" TYPE III ASPHALT SURFACE OVER 10" MoDOT TYPE 5 BASE OVERTOP A BIAXIAL GEOGRID MEETING THE REQUIREMENTS OF TABLE 2201.6-1

2 ~ RESIDENTIAL LOCAL STREETS SHALL BE PER APWA STANDARD FOR 50' R/W TYPICAL SECTION TABLE LS-2 SECTION 5200 (RESIDENTIAL LOCAL STREET).

3 ~ STORM SEWER PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) AS APPROVED BY CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL.

4 ~ JUNCTION BOXES SHALL BE PER CITY OF LEE'S SUMMIT STANDARD DRAWING NO. STM-3. FIELD INLETS SHALL BE PER CITY OF LEE'S SUMMIT STANDARD DRAWING STM-2. TOEWALLS SHALL BE PER CITY OF LEE'S SUMMIT DRAWING NO. ST-5. STORM MANHOLES SHALL BE PER CITY OF LEE'S SUMMIT. ROCK LINING AND RIP RAP SHALL BE PER CITY OF LEE'S SUMMIT.

WATER:

1 ~ THE CONTRACTOR SHALL NOTIFY THE CITY OF LEE'S SUMMIT WATER UTILITIES DEPARTMENT AT 816.969.1900 AT LEAST 48 HOURS PRIOR TO CONNECTING TO ANY EXISTING WATER MAIN.

2 ~ ALL WATER MAINS SHALL COMPLY WITH ANSI/AWWA C150/A21.50 AND C151/A21.51, AND CITY OF LEE'S SUMMIT STANDARDS.

3 ~ FIRE HYDRANTS SHALL BE OPTIC YELLOW WATEROUS "PACER" MODEL NO. WB-67-250 WITH NON-RISING STEM OR CITY ENGINEER APPROVED EQUAL. HYDRANTS SHALL HAVE A 5 1/4" VALVE WITH A 4 1/2" PUMPER NOZZLE AND 2 - 2 1/2" HOSE NOZZLES (LEFT HAND OPENING).

4 ~ GATE VALVES SHALL BE MUELLER NO. A 2380-5 HUB END "O" RING SEAL NON-RISING STEM. VALVES 12" OR LARGER SHALL BE BUTTERFLY VALVES MANUFACTURED BY THE HENRY PRATT COMPANY OR CITY ENGINEER APPROVED EQUAL. LEFT HAND OPENING. MINIMUM 200# TESTING AWWA.

5 ~ VALVE BOXES SHALL BE CLAY & BAILEY NO. P-108 OR CITY ENGINEER APPROVED EQUAL. ALL VALVE BOXES SHALL BE LOCATED OUT OF EXISTING OR PROPOSED PAVEMENT AREAS.

6 ~ ALL WATER MAINS SHALL BE CONSTRUCTED WITH A MINIMUM COVER OF 42 INCHES. STREET GRADING SHALL BE COMPLETED PRIOR TO BEGINNING CONSTRUCTION OF WATER MAINS.

7 ~ ALL BENDS, TEES AND FIRE HYDRANTS SHALL BE INSTALLED WITH SUITABLE CONCRETE THRUST BLOCKS POURED IN PLACE AGAINST UNDISTURBED EARTH AND PER CITY OF LEE'S SUMMIT AND APWA STANDARDS.

8 ~ THE MINIMUM SEPARATION BETWEEN THE PROPOSED WATER MAIN AND SANITARY OR STORM SEWERS IS AS FOLLOWS:

A ~ SANITARY SEWERS: HORIZONTAL = 10 FEET - VERTICAL = 18 INCHES

B ~ STORM SEWERS: HORIZONTAL = 5 FEET - VERTICAL = 18 INCHES

THESE SEPARATIONS SHALL PREVAIL OVER ANY DATA SHOWN IN THESE PLANS AND THE CONTRACTOR SHALL INSTALL BENDS OR OTHER FITTINGS AS NECESSARY TO ACHIEVE THE REQUIRED SEPARATIONS.

GENERAL NOTES:

1 ~ ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.

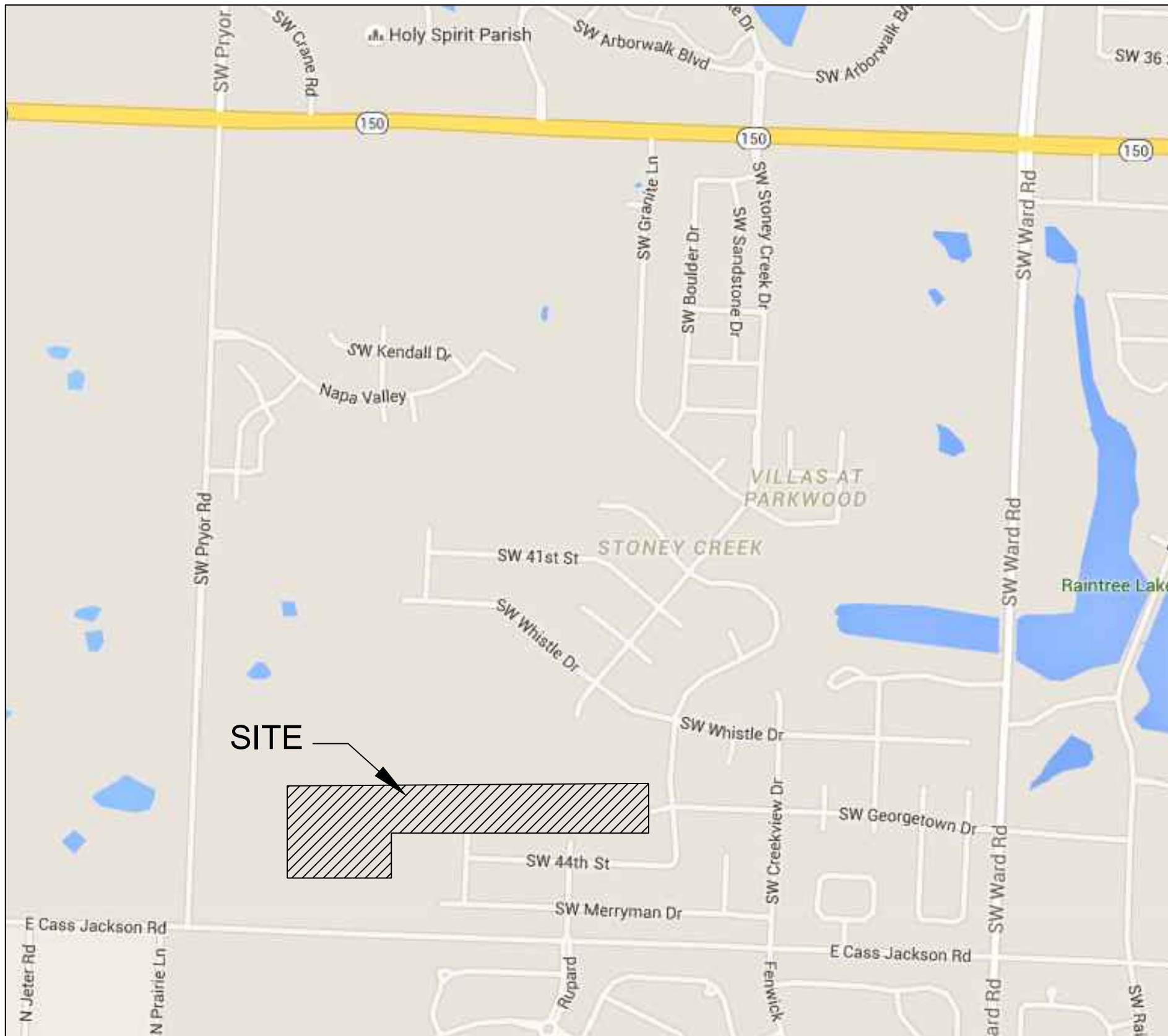
2 ~ ALL REQUIRED EASEMENTS WITHIN THE BOUNDARY OF THIS PROJECT SHALL BE PROVIDED FOR ON THE FINAL PLAT.

3 ~ ANY REQUIRED EASEMENT LOCATED OUTSIDE OF THE BOUNDARY OF THIS PROJECT SHALL BE PROVIDED FOR BY SEPARATE INSTRUMENT PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS.

4 ~ THE CONTRACTOR SHALL NOTIFY THE CITY OF LEE'S SUMMIT PUBLIC WORKS INSPECTION AT 816.969.1800 AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

5 ~ THE CONTRACTOR SHALL NOTIFY ENGINEERING SOLUTIONS AT 816.623.9888 OF ANY CONFLICT WITH THE IMPROVEMENTS PROPOSED BY THESE PLANS AND SITE CONDITIONS.

6 ~ THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AND OBTAIN THE APPROPRIATE BLASTING PERMITS FOR A REQUIRED BLASTING. IF BLASTING IS ALLOWED, ALL BLASTING SHALL CONFORM TO STATE REGULATIONS AND LOCAL ORDINANCES.



SITE LOCATION MAP

INDEX OF SHEETS:

- C.001 ~ COVER SHEET
- C.050 ~ ESC PHASE 1 - Pre Clearing Plan
- C.051 ~ ESC PHASE 2 - Inactive Area Stabilization Plan
- C.052 ~ ESC PHASE 3 - Final Restoration Plan
- C.100 ~ SITE PLAN
- C.200 ~ MASTER DRAINAGE PLAN SHEET 1 OF 3 GRADING PLAN - SWPPP
- C.201 ~ MASTER DRAINAGE PLAN SHEET 2 OF 3 SPOT ELEVATIONS
- C.202 ~ MASTER DRAINAGE PLAN SHEET 3 OF 3 DRAINAGE AREA MAP
- C.203 ~ STREET PLAN & PROFILE
- C.204 ~ STREET PLAN & PROFILE
- C.205 ~ STREET SIGNAGE PLAN
- C.300 ~ STORM SEWER GENERAL LAYOUT
- C.301 ~ STORM SEWER PLAN & PROFILE
- C.302 ~ STORM SEWER TABLES - 10 YEAR
- C.303 ~ STORM SEWER TABLES - 100 YEAR
- C.600 ~ CONSTRUCTION DETAILS
- C.601 ~ CONSTRUCTION DETAILS
- C.602 ~ CONSTRUCTION DETAILS

UTILITY COMPANIES:

THE FOLLOWING LIST OF UTILITY COMPANIES IS PROVIDED FOR INFORMATION ONLY. WE DO NOT OFFER ANY GUARANTEE OR WARRANTY THAT THIS LIST IS COMPLETE OR ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES THAT MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION AND VERIFYING THE ACTUAL LOCATION OF EACH UTILITY LINE. THE CONTRACTOR SHALL NOTIFY ENGINEERING SOLUTIONS AT 816.623.9888 OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS.

KCP&L ~ 298-1196
MISSOURI GAS ENERGY ~ 756-5261
SOUTHWESTERN BELL TELEPHONE ~ 761-5011
COMCAST CABLE ~ 795-1100
WILLIAMS PIPELINE ~ 422-6300
CITY OF LEE'S SUMMIT PUBLIC WORKS ~ 969-1800
CITY OF LEE'S SUMMIT PUBLIC WORKS INSPECTIONS ~ 969-1800
CITY OF LEE'S SUMMIT WATER UTILITIES ~ 969-1900
MISSOURI ONE CALL (DIG RITE) ~ 1-800-344-7483

LEGEND:

- B/L ~ BUILDING SET-BACK
- C/A ~ COMMON AREA
- D/E ~ DRAINAGE EASEMENT
- FND. ~ FOUND
- L/E ~ LANDSCAPE EASEMENT
- L.N.A. ~ LIMITS OF NO ACCESS
- R/W ~ RIGHT OF WAY
- SAN ~ SANITARY SEWER LINE
- S/W ~ SIDEWALK
- U/E ~ UTILITY EASEMENT
- W ~ WATER LINE
- ST ~ STORM SEWER LINE

BENCHMARK:

CENTER OF SANITARY SEWER
MANHOLE LOCATED IN THE SE
CORNER OF THE LOT 123, FOXWOOD
EAST 5TH PLAT.

ELEVATION 945.69

ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS PROJECT HAS BEEN DESIGNED AND THESE PLANS PREPARED IN ACCORDANCE WITH THE CURRENT DESIGN CRITERIA OF THE CITY OF LEE'S SUMMIT, MISSOURI AND THE STATE OF MISSOURI. I FURTHER CERTIFY THAT THESE PLANS WERE DESIGNED IN ACCORDANCE TO AASHTO STANDARDS.

CITY OF LEE'S SUMMIT, MISSOURI

APPROVED: DATE: _____

BY: _____
CITY ENGINEER

"AS-BUILT"

900.10
~~900.00~~ Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.

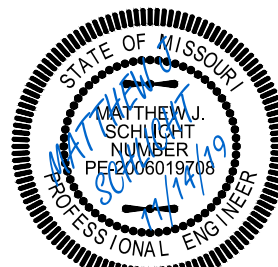


Professional Registration
Missouri
Engineering 2005002198-D
Surveying 200500519-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

Project: AT
STONEY CREEK
3RD
Map Date:
July 18, 2017

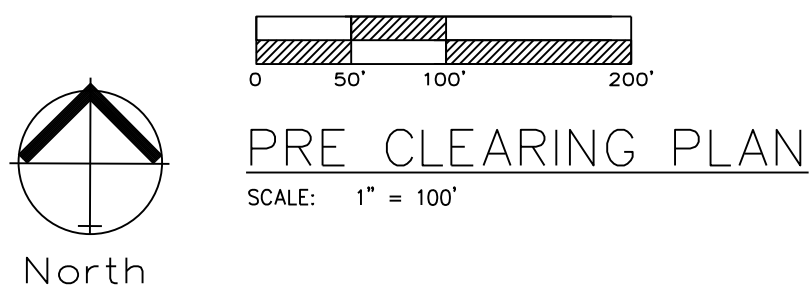
Cover Sheet
Construction Plans for:
The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25526

REVISIONS

9/24/19 - As-Built
11/7/19 - As-Built
11/14/19 - As-Built



NOTES: The Land Disturbance Plans indicates the Final placement of erosion control devices. The contractor(s) may proceed with construction prior to the final placement of these devices by providing additional devices to control erosion on their items of work. These devices shall be maintained until the final devices are in place.

SF-1

SILT FENCE PROTECTION
TO BE MAINTAINED BY CONTRACTOR

LEGEND			
PHASE 1 SILT FENCE	— SF-1 —	— SF-1 —	
PHASE 2 SILT FENCE	— SF-2 —	— SF-2 —	

DURING ALL PHASES OF CONSTRUCTION, INACTIVE AREA STABILIZATION METHODS AS DESCRIBED IN APWA SECTION 5111.3 SHALL BE USED TO CONTROL EROSION AND SILTATION.



"AS-BUILT"

900.10

900.00 Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.

ENGINEERING
ENGINEERING & SURVEYING
SOLUTIONS

50 SE 30TH STREET
LEES SUMMIT, MO 64082
P: (816) 623-9888 F: (816) 623-9849

Professional Registration

Missouri
Engineering 2005002188-D
Surveying 2005000519-D

Kansas
Engineering E-1695
Surveying LS-218

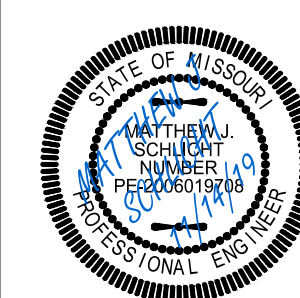
Oklahoma
Engineering 6254

Nebraska
Engineering CA2821

Project AT
STONEY CREEK
3RD

Issue Date
July 18, 2017

ESC PHASE 1 - Pre Clearing Plan
Construction Plans for:
The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

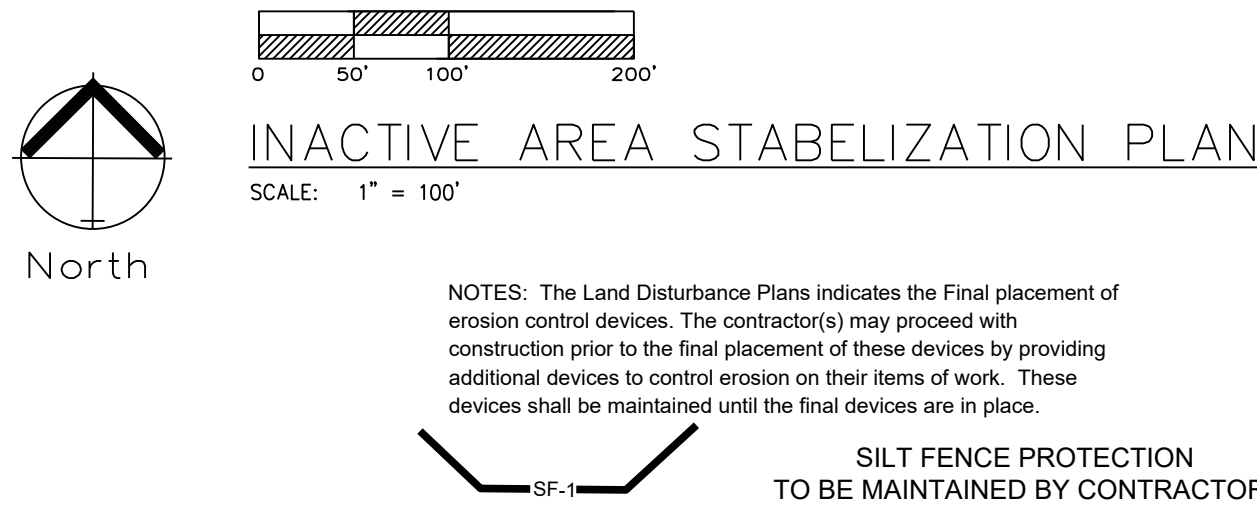
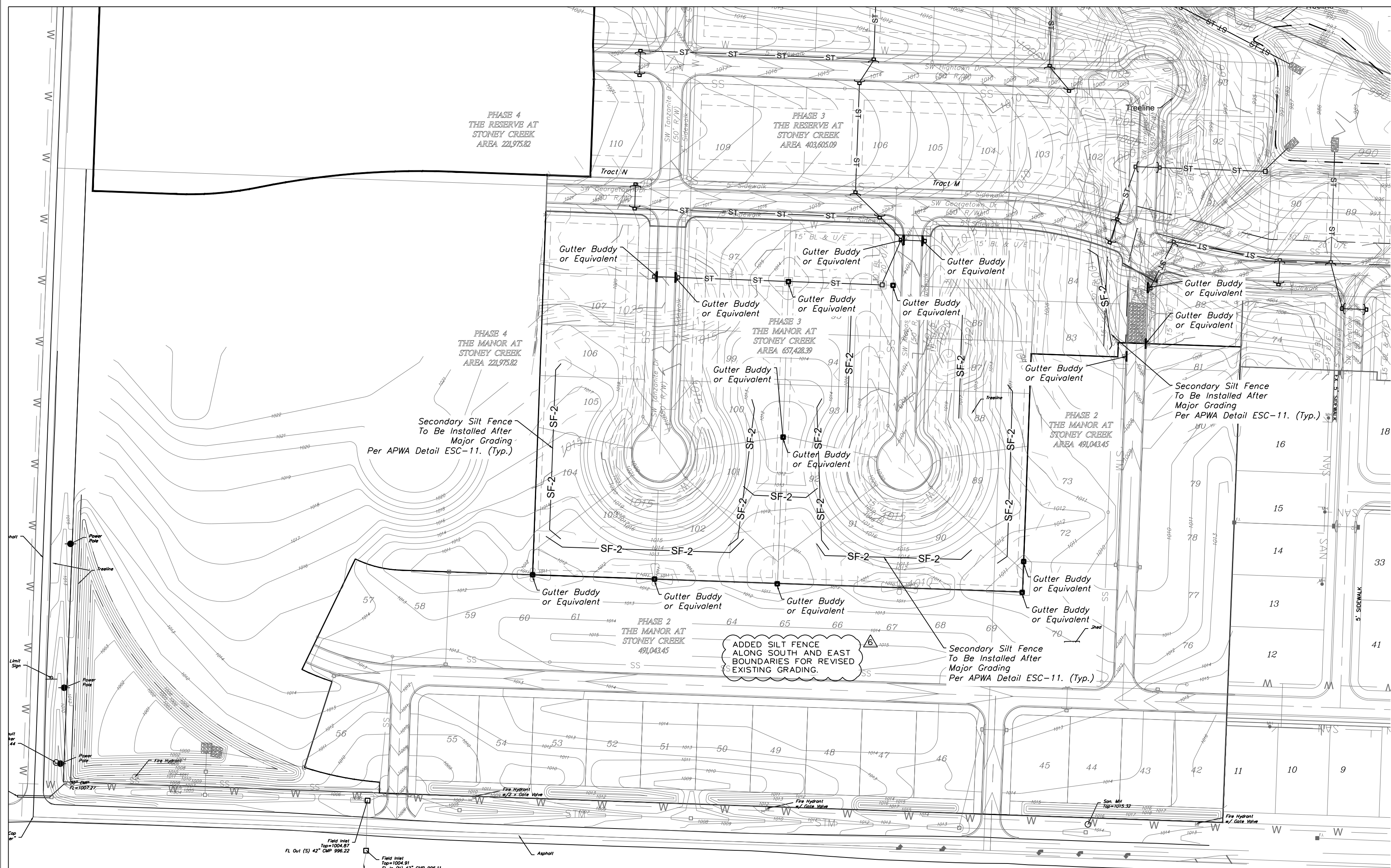
REVISIONS

9/24/19 - As-Built

11/7/19 - As-Built

11/14/19 - As-Built

C.050



NOTES: The Land Disturbance Plans indicates the Final placement of erosion control devices. The contractor(s) may proceed with construction prior to the final placement of these devices by providing additional devices to control erosion on their items of work. These devices shall be maintained until the final devices are in place.

SILT FENCE PROTECTION
TO BE MAINTAINED BY CONTRACTOR

LEGEND

PHASE 1 SILT FENCE ——— SF-1 ——— SF-1 ———
PHASE 2 SILT FENCE ——— SF-2 ——— SF-2 ———
INLET PROTECTION
GUTTER BUDDY OR EQUIVALENT ———

DURING ALL PHASES OF CONSTRUCTION,
INACTIVE AREA STABILIZATION METHODS AS
DESCRIBED IN APWA SECTION 5111.3 SHALL BE
USED TO CONTROL EROSION AND SILTATION.

MAINTENANCE:
TO MAINTAIN THE EROSION AND SEDIMENT CONTROLS, THE FOLLOWING PROCEDURES WILL BE PERFORMED:
SEDIMENT CAPTURE DEVICES: SEDIMENT WILL BE REMOVED FROM THE UPSTREAM OR UPSLOPE SIDE OF THE FILTER FABRIC FENCES, WHEN THE DEPTH OF ACCUMULATED SEDIMENT REACHES ABOUT ONE-THIRD THE HEIGHT OF THE STRUCTURE.
STORM SEWER INLETS: ANY SEDIMENT IN THE STORM SEWER INLETS WILL BE REMOVED AND DISPOSED OF PROPERLY.
TEMPORARY CONTROLS: ALL TEMPORARY CONTROLS WILL BE REMOVED AFTER THE DISTURBED AREAS HAVE BEEN STABILIZED.

INSPECTION PROCEDURES:
INSPECTIONS WILL BE DONE BY THE RESPONSIBLE PERSON(S) AT LEAST ONCE EVERY WEEK AND WITHIN 24 HOURS EACH STORM EVENT PRODUCING ANY AMOUNT OF RAINFALL. AREAS THAT HAVE BEEN RESEEDED WILL BE INSPECTED REGULARLY AFTER SEED GERMINATION TO ENSURE COMPLETE COVERAGE OF EXPOSED AREAS. DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED SHALL HAVE ALL POLLUTION CONTROL MEASURES INSPECTED FOR PROPER INSTALLATION, OPERATION AND MAINTENANCE. LOCATIONS WHERE STORM WATER LEAVES THE SITE SHALL BE INSPECTED FOR EVIDENCE OF EROSION OR SEDIMENT DEPOSITION. ANY DEFICIENCIES SHALL BE NOTED IN A REPORT OF THE INSPECTION AND CORRECTED WITHIN SEVEN CALENDAR DAYS OF THE INSPECTION. THE PERMITTEE SHALL PROMPTLY NOTIFY THE SITE CONTRACTORS RESPONSIBLE FOR OPERATION AND MAINTENANCE OF POLLUTION CONTROL DEVICES OF DEFICIENCIES.

IF THE EXISTING GROUND COVER IS NATURAL GRASS, DISTURBED AREAS SHALL BE TEMPORARILY SEEDED WITH WHEAT/RYE AT A RATE OF 1.5 POUNDS PER 1000 SQUARE FEET. PERMANENT SEEDED AREAS SHALL BE SEEDING IN THREE EQUAL PARTS OF THIN BLADE, TURF-TYPE, TALL FESCUE AND 10% BLUEGRASS SEED AT A RATE OF 10 POUNDS PER 1000 SQUARE FEET. BOTH TEMPORARY AND PERMANENT SEEDED AREAS SHALL BE MULCHED AND WATERED TO MAINTAIN THE PROPER MOISTURE LEVEL OF THE SOIL TO ESTABLISH GRASS. NEW GRASS SHALL BE WATERED AND MAINTAINED UNTIL IT REACHES A HEIGHT OF 3 INCHES. ANY BARE AREAS SHALL BE RESEED.

ALL EROSION CONTROL DEVICES SHALL BE REMOVED BY GENERAL CONTRACTOR AFTER SITE STABILIZATION IS COMPLETE AND APPROVED BY ENGINEER.

THE DEVELOPER WILL DESIGNATE A QUALIFIED PERSON OR PERSONS TO PERFORM THE FOLLOWING INSPECTIONS:
STABILIZATION MEASURES: DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION WILL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. AFTER A PORTION OF THE SITE IS FINALLY STABILIZED, INSPECTIONS WILL BE CONDUCTED AT LEAST ONCE EVERY MONTH THROUGHOUT THE LIFE OF THE PROJECT. CONTRACTOR CAN CONTACT ENGINEERING SOLUTIONS FOR COPIES OF THE INSPECTION FORM TO BE USED FOR STABILIZATION MEASURES.

STRUCTURAL CONTROLS: FILTER FABRIC FENCES AND ALL OTHER EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN WILL BE INSPECTED REGULARLY FOR PROPER POSITIONING, ANCHORING, AND EFFECTIVENESS IN TRAPPING SEDIMENTS. SEDIMENT WILL BE REMOVED FROM THE UPSTREAM OR UPSLOPE SIDE OF THE FILTER FABRIC. CONTRACTOR CAN CONTACT ENGINEERING SOLUTIONS FOR COPIES OF THE INSPECTION FORM TO BE USED FOR STABILIZATION MEASURES.

DISCHARGE POINTS: DISCHARGE POINTS OR LOCATIONS WILL BE INSPECTED TO DETERMINE WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT AMOUNTS OF POLLUTANTS FROM ENTERING RECEIVING WATERS.

CONSTRUCTION ENTRANCE: LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE WILL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

A LOG OF EACH INSPECTION SHALL BE KEPT. THE INSPECTION REPORT IS TO INCLUDE THE FOLLOWING MINIMUM INFORMATION: INSPECTOR'S NAME, DATE OF INSPECTION, OBSERVATIONS RELATIVE TO THE EFFECTIVENESS OF THE POLLUTION CONTROL DEVICES, ACTIONS TAKEN OR NECESSARY TO CORRECT DEFICIENCIES, AND LISTINGS OF AREAS WHERE LAND DISTURBANCE OPERATIONS HAVE PERMANENTLY OR TEMPORARILY STOPPED. THE INSPECTION REPORT SHALL BE SIGNED BY THE PERMITTEE OR BY THE PERSON PERFORMING THE INSPECTION IF DULY AUTHORIZED TO DO SO.

EROSION CONTROL DESCRIPTION:

- 1.) SILT FENCE SHALL BE PLACED AT THE PERIMETER OF THE GRADING AND AT INTERMEDIATE AREAS THROUGHOUT THE SITE AS SHOWN ON THE PLAN. INLET SEDIMENT TRAPS SHALL BE PLACED SURROUNDING ALL STORM INLETS
- 2.) INSTALL TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON PLAN

EROSION CONTROL PROCEDURE:

- 1.) SILT FENCE AND TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE PERIMETER OF THE GRADED AREAS PRIOR TO BEGINNING OF CLEARING OR DEMOLITION OPERATIONS. THE CONTRACTOR SHALL INSTALL SILT FENCE AS SHOWN ON PLANS AS GRADING PROGRESSES.

TEMPORARY CONSTRUCTION ENTRANCE NOTES:

- A.) INSTALLATION
- 1.) AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC STREETS. IF POSSIBLE, LOCATE WHERE PERMANENT ROADS WILL EVENTUALLY BE CONSTRUCTED
 - 2.) REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE AND CROWN FOR POSITIVE DRAINAGE
 - 3.) IF SLOPE TOWARDS THE PUBLIC ROAD EXCEED 2% CONSTRUCT A 6 TO 8 INCH HIGH RIDGE WITH 3H : 1V SIDE SLOPES ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE EDGE OF THE PUBLIC ROAD TO DIVERT RUNOFF AWAY FROM IT.
 - 4.) INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES ALONG PUBLIC ROADS
 - 5.) PLACE STONE TO DIMENSIONS AND GRADES AS SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPED FOR DRAINAGE
 - 6.) DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE
 - 7.) IF WET CONDITIONS ARE ANTICIPATED PLACE GEOTEXTILE FABRIC ON THE GRADED FOUNDATION TO IMPROVE STABILITY
- B.) TROUBLESHOOTING
- 1.) CONSULT WITH A QUALIFIED DESIGN PROFESSIONAL IF ANY OF THE FOLLOWING OCCUR:
 - INADEQUATE RUNOFF CONTROLS TO THE EXTENT THAT SEDIMENT WASHES ONTO PUBLIC ROADS
 - INSTALL DIVERSIONS OR OTHER RUNOFF CONTROL MEASURES
 - SMALL STONE, THIN PAD, OR ABSENCE OF GEOTEXTILE FABRIC RESULTS IN RUTS AND MUDDY CONDITIONS AS STONE IS PRESSED INTO SOIL - INCREASE STONE SIZE OR PAD THICKNESS OR ADD GEOTEXTILE FABRIC
 - PAD TOO SHORT FOR HEAVY CONSTRUCTION TRAFFIC - EXTEND PAD BEYOND THE MINIMUM 50 FOOT LENGTH AS NECESSARY
- C.) INSPECTION AND MAINTENANCE
- 1.) INSPECT STONE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER ANY RAIN EVENT
 - 2.) RESHAPE PAD AS NEEDED FOR PROPER DRAINAGE AND RUNOFF CONTROL
 - 3.) TOP DRESS WITH CLEAN 2 AND 3 INCH STONE AS NEEDED
 - 4.) IMMEDIATELY REMOVE MUD OR SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADWAY. REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY
 - 5.) REMOVE ALL TEMPORARY ROAD MATERIALS FROM AREAS WHERE PERMANENT VEGETATION WILL BE ESTABLISHED

"AS-BUILT"

indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.

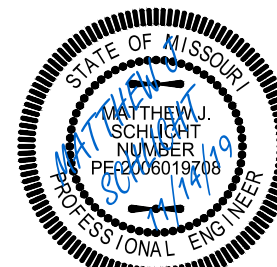


Professional Registration
Missouri
Engineering 2005002198-D
Surveying 200500819-D
Kansas
Engineering E-16895
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

The Manor at Stony Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

Project AT
STONY CREEK
3RD
Map Date
July 18, 2017

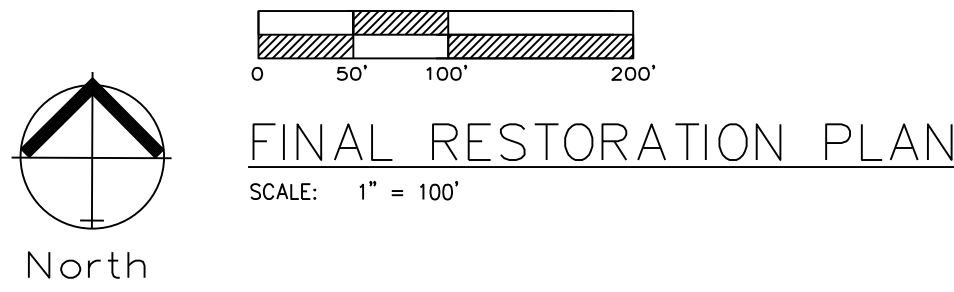
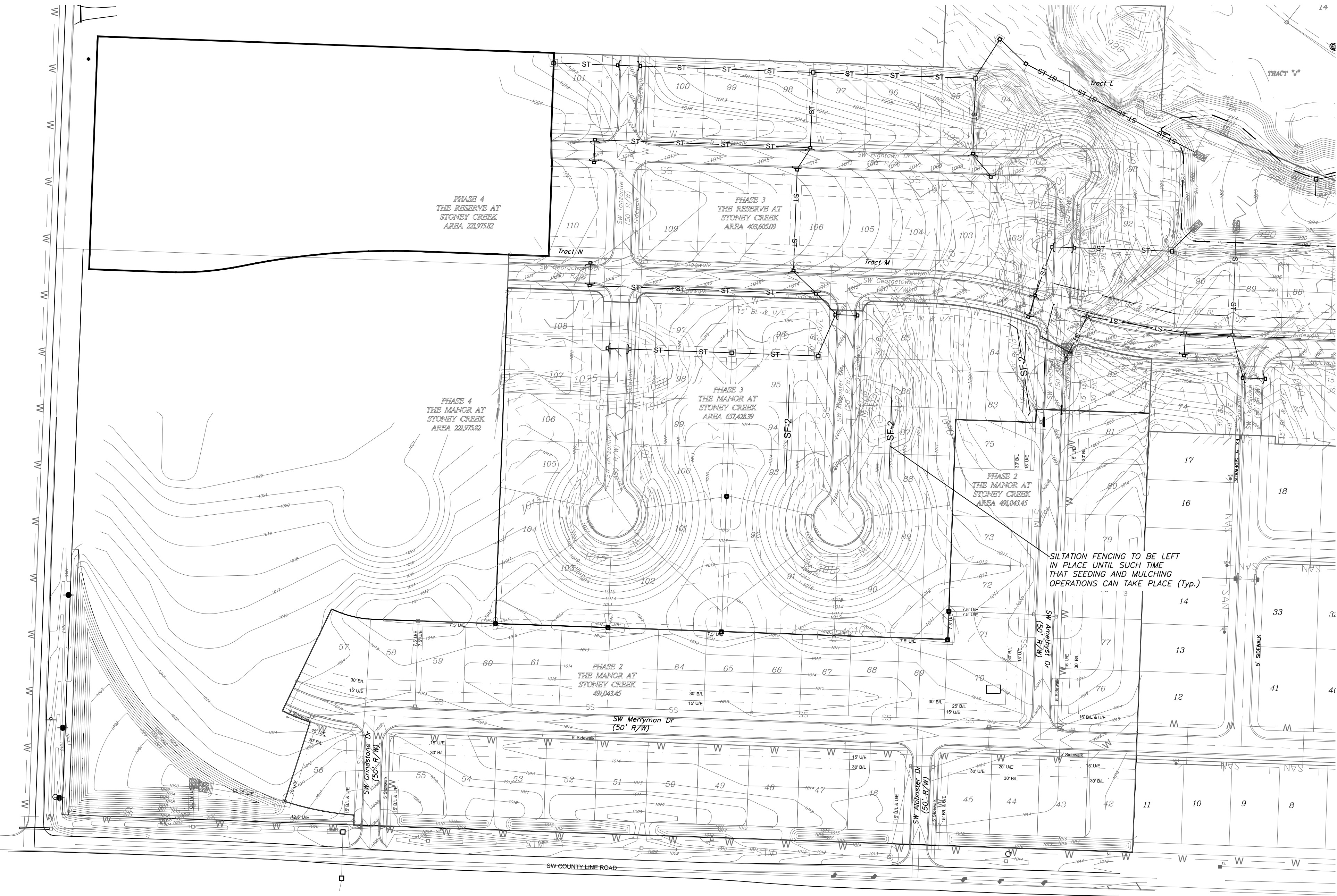
ESC PHASE 2 - Inactive Area Stabilization Plan
Construction Plans for:
The Manor at Stony Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

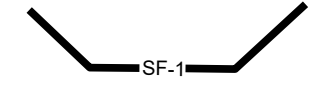


Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS

9/24/19 - As-Built
11/7/19 - As-Built
11/14/19 - As-Built



 SILT FENCE PROTECTION
TO BE MAINTAINED BY CONTRACTOR

LEGEND		
PHASE 1 SILT FENCE	— SF-1 —	— SF-1 —
PHASE 2 SILT FENCE	— SF-2 —	— SF-2 —
INLET PROTECTION GUTTER BUDDY OR EQUIVALENT		

DURING ALL PHASES OF CONSTRUCTION,
INACTIVE AREA STABILIZATION METHODS AS
DESCRIBED IN APWA SECTION 5111.3 SHALL BE
USED TO CONTROL EROSION AND SILTATION.

NOTES: The Land Disturbance Plans indicates the Final placement of
erosion control devices. The contractor(s) may proceed with
construction prior to the final placement of these devices by providing
additional devices to control erosion on their items of work. These
devices shall be maintained until the final devices are in place.

SEED AND MULCH NOTES:

All areas disturbed by construction activities shall be seeded and
mulched. Seeding shall be done before the proposed seedbed
becomes eroded, crusted over, or dried out and shall not be done when
the ground is frozen, or covered with snow. The seed shall comply with
the requirements of the Missouri Seed Law and the Federal Seed Act.
Also, it shall contain no seed of any plant on the Federal Noxious Weed
List. Other weed seeds shall not exceed one percent by weight of mix

Seed and Fertilizer Rate:

Mix I - Rye Grass / Blue Grass 100 lbs. per Acre
Mix II - Tall Fescue / Blue Grass 195 lbs. per Acre
Lime 2000 lbs per Acre (50
lbs. per 1000 sq. ft.)
Fertilizer 800 to 1200 lbs per
Acre (25 lbs per 1000 sq. ft.)

During the dates December 15th through May 31 ALL lime fertilizer,
seed and mulch shall be applied to finished slopes of disturbed areas.
During the months of June, July, October and November 1st through
December 15th, lime fertilizer, seed and mulch shall be applied at the
following rates:

Lime - 100% of specified quantity
Fertilizer - 75% of the specified quantity
Seed - 50% of the specified quantity
Mulch - 100% of the specified quantity

Mulch shall be Vegetative type, cereal straw from stalks of oats, rye, or
barley, or approved equal. The straw shall be free of prohibited weed
seed and relatively free of all other noxious and undesirable seed.
Mulch shall be applied at the rate of 2 tons per acre, (70 to 90 lbs per
1000 sq. ft.). Mulch shall be embedded by a mulch anchoring tool or
disk type roller having flat serrated disks spaced not more than 10
inches apart and cleaning scrapers shall be provided

ONCE SITE IS 90% VEGETATED ALL ESC DEVICES
SHALL BE REMOVED AND ANY DISTURBED AREAS
SHALL BE RESTORED

"AS-BUILT"
900.10
~~900.00~~ Indicates data replaced with "As-Built"
information. All other data is as designed
and has not been field verified.

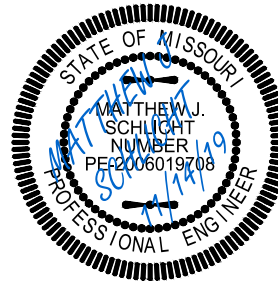
ENGINEERING
ENGINEERING & SURVEYING
SOLUTIONS
50 SE 30TH STREET
LEES SUMMIT, MO 64082
P: (816) 623-9888 F: (816) 623-9849

The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

Professional Registration
Missouri
Engineering 2005002188-D
Surveying 2005005119-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

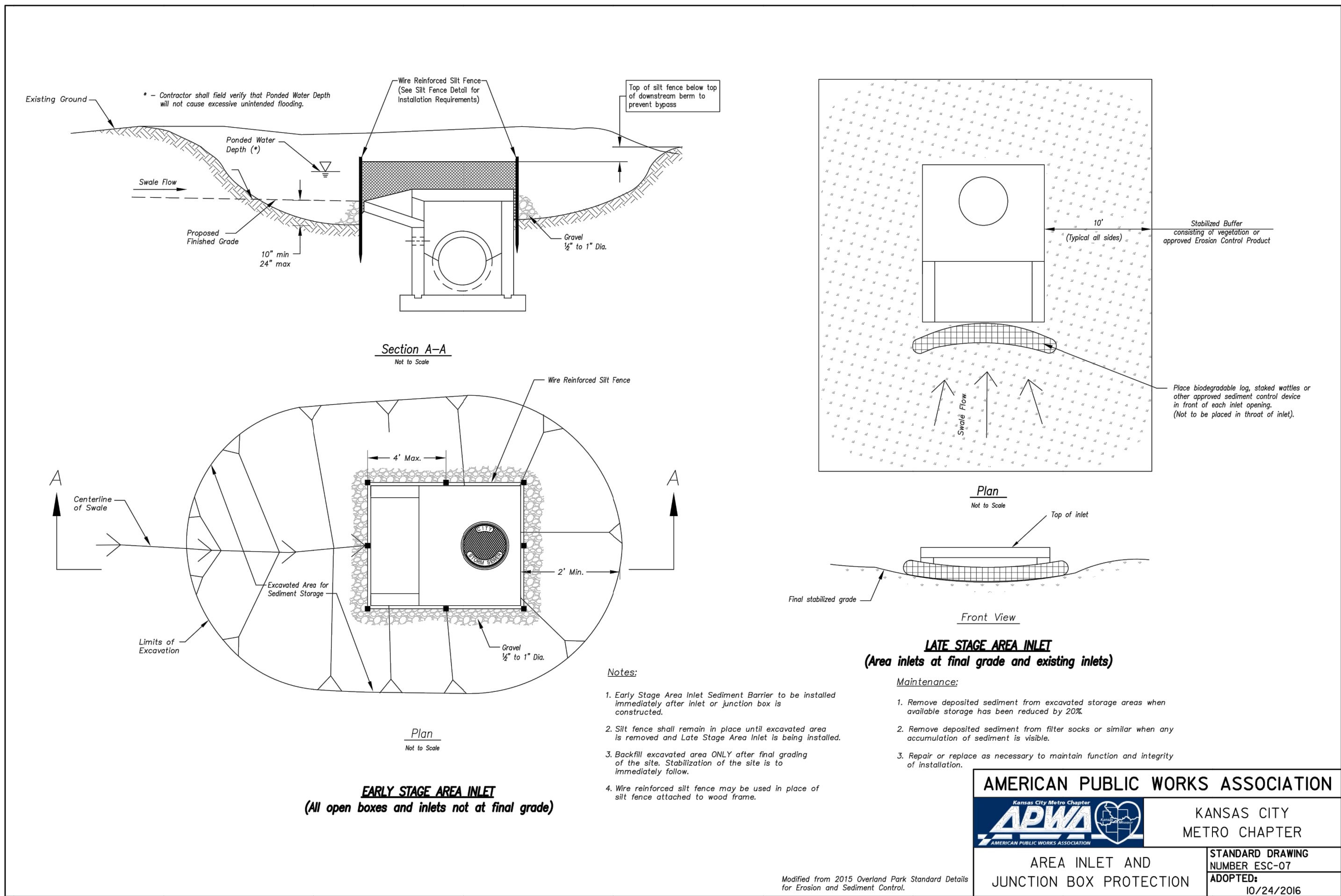
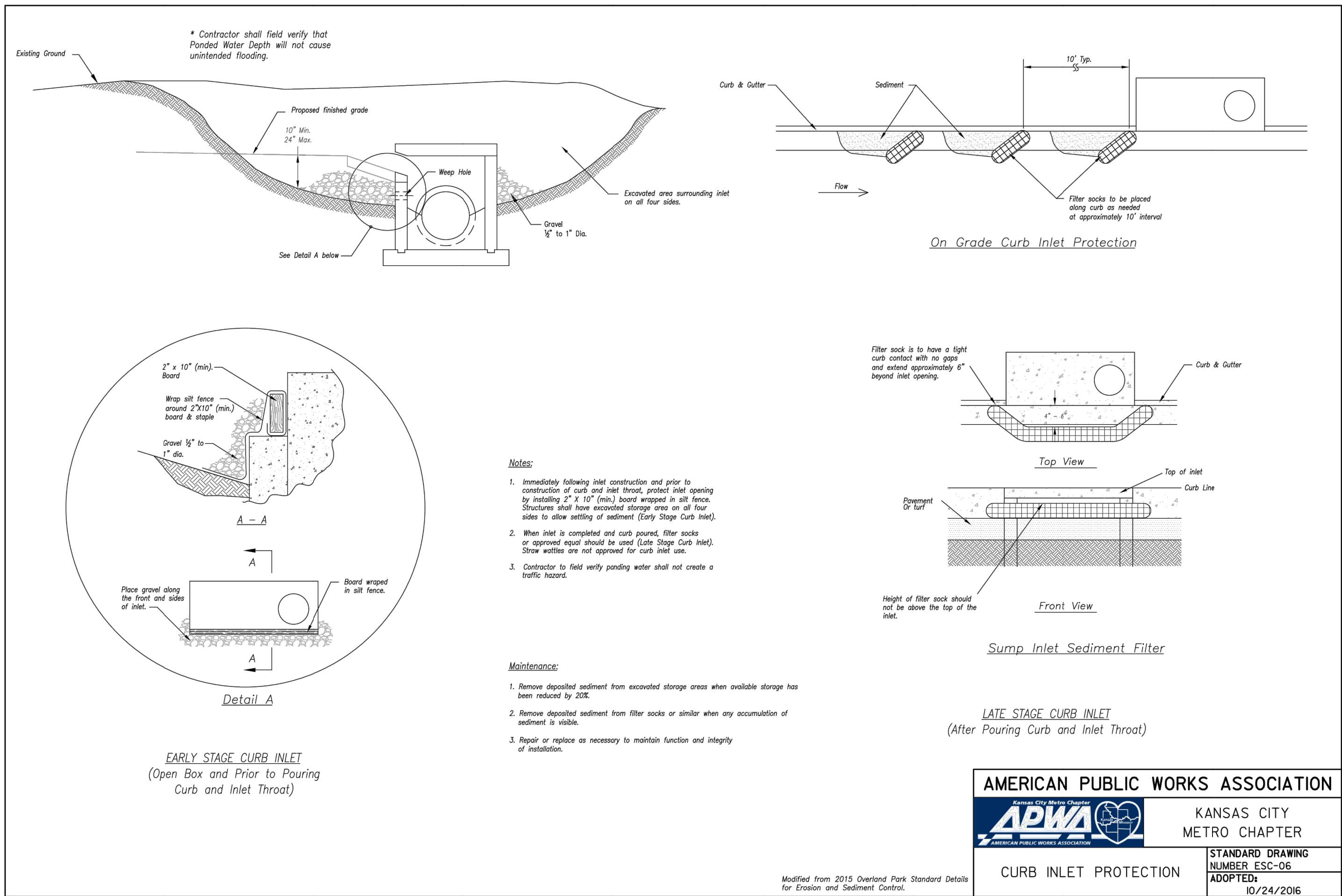
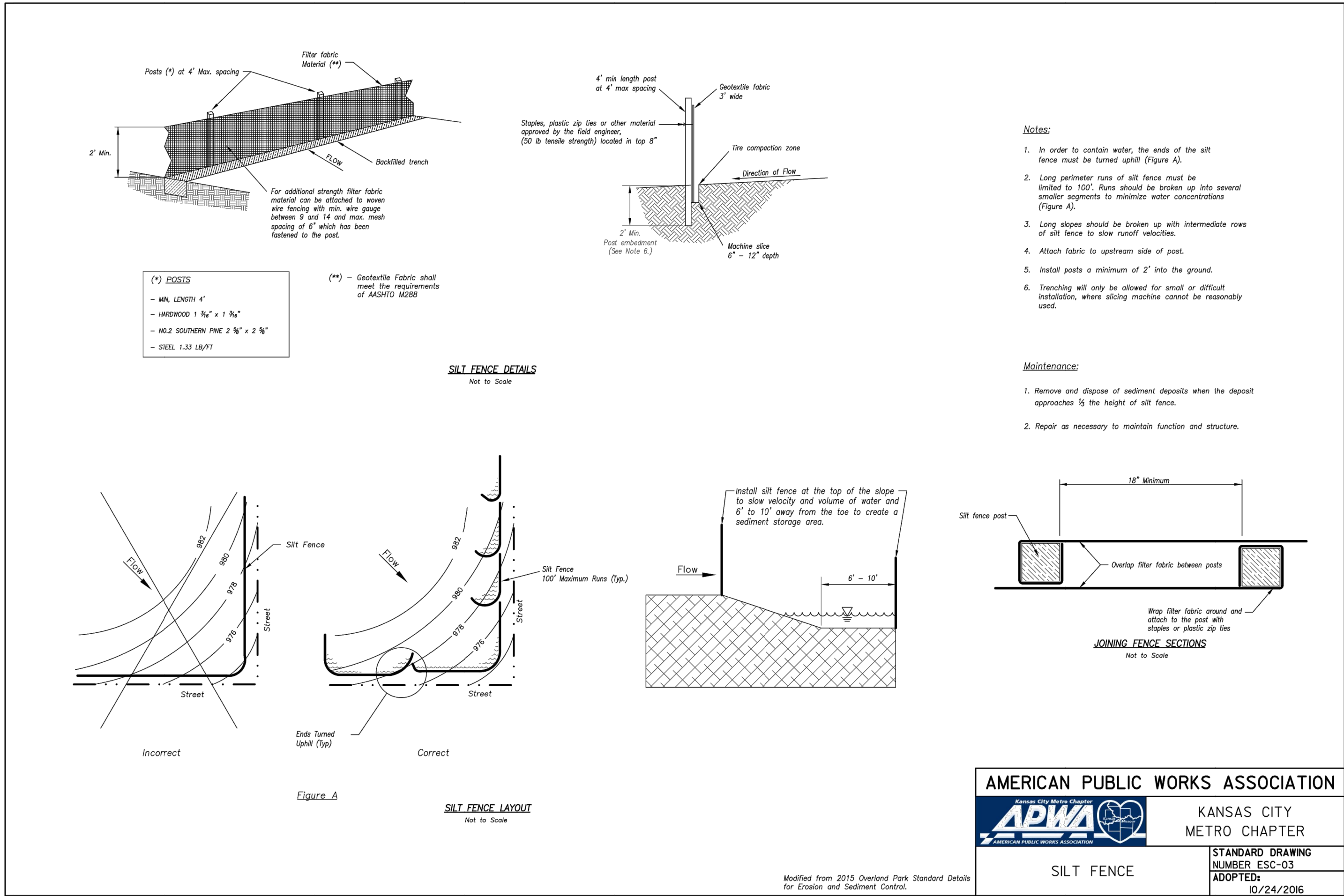
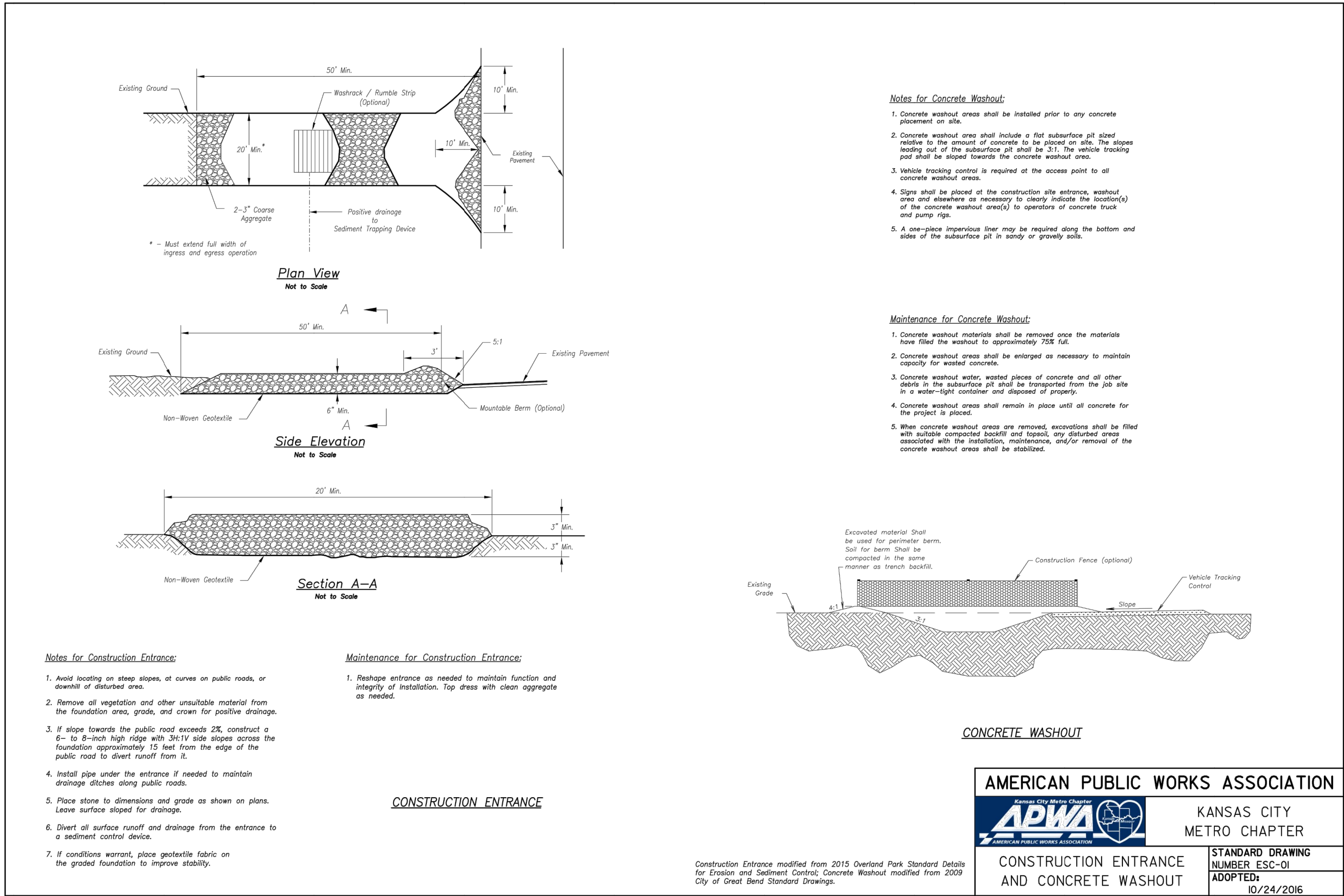
Project AT
STONEY CREEK
3RD
Map Date
July 18, 2017

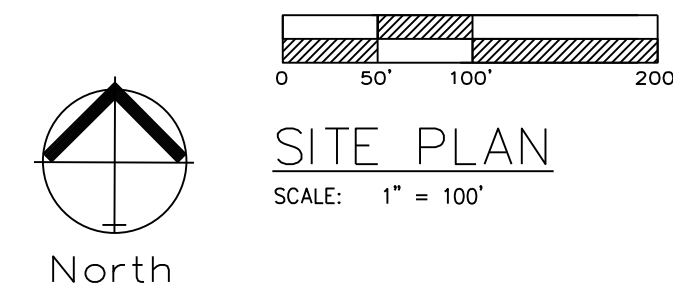
ESC PHASE 3 - Final Restoration Plan
Construction Plans for:
The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25526

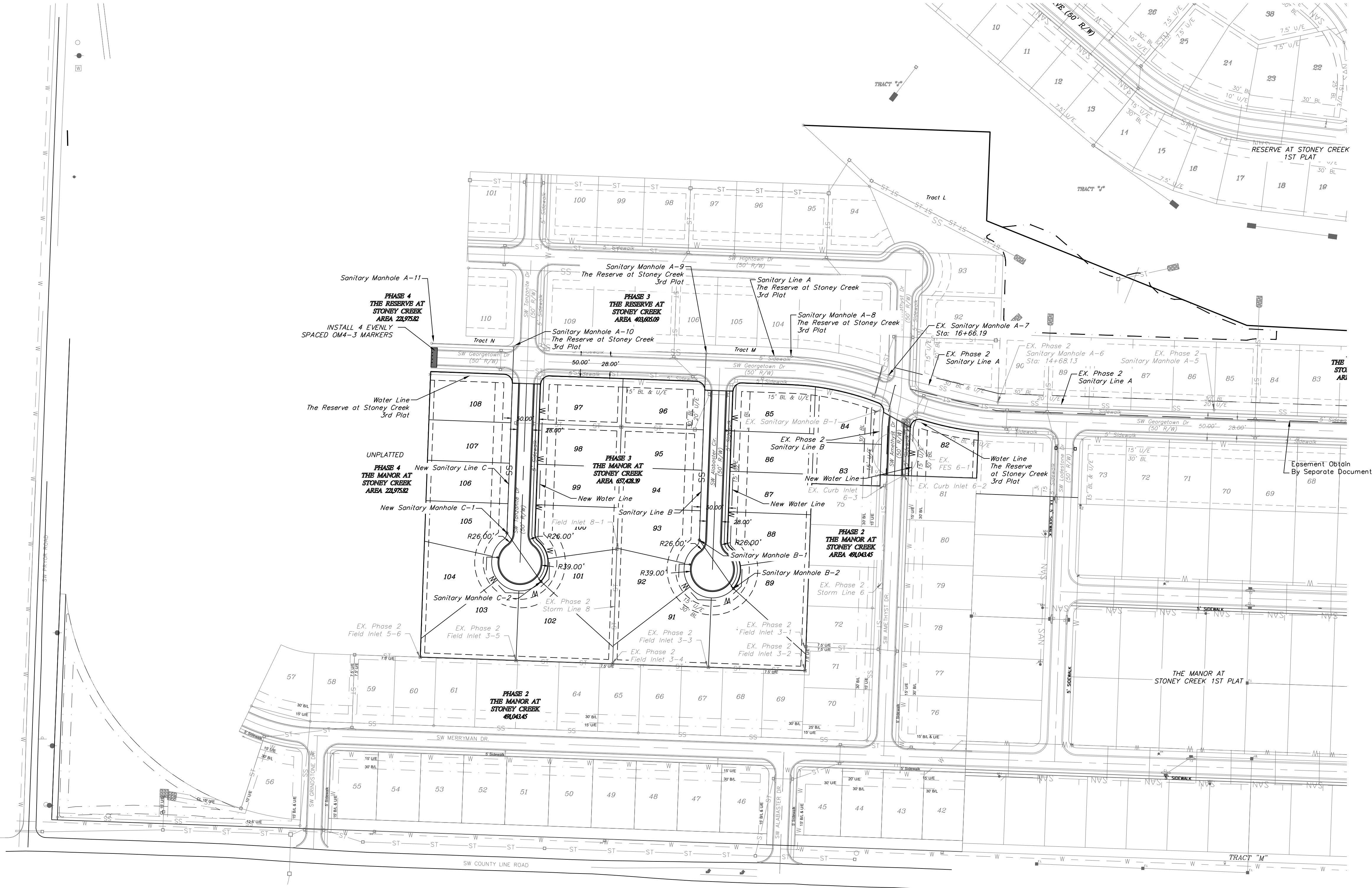
REVISIONS
9/24/19 - As-Built
11/7/19 - As-Built
11/14/19 - As-Built





Sidewalk Construction Notes

-Sidewalk shall be constructed with the subdivision improvements.

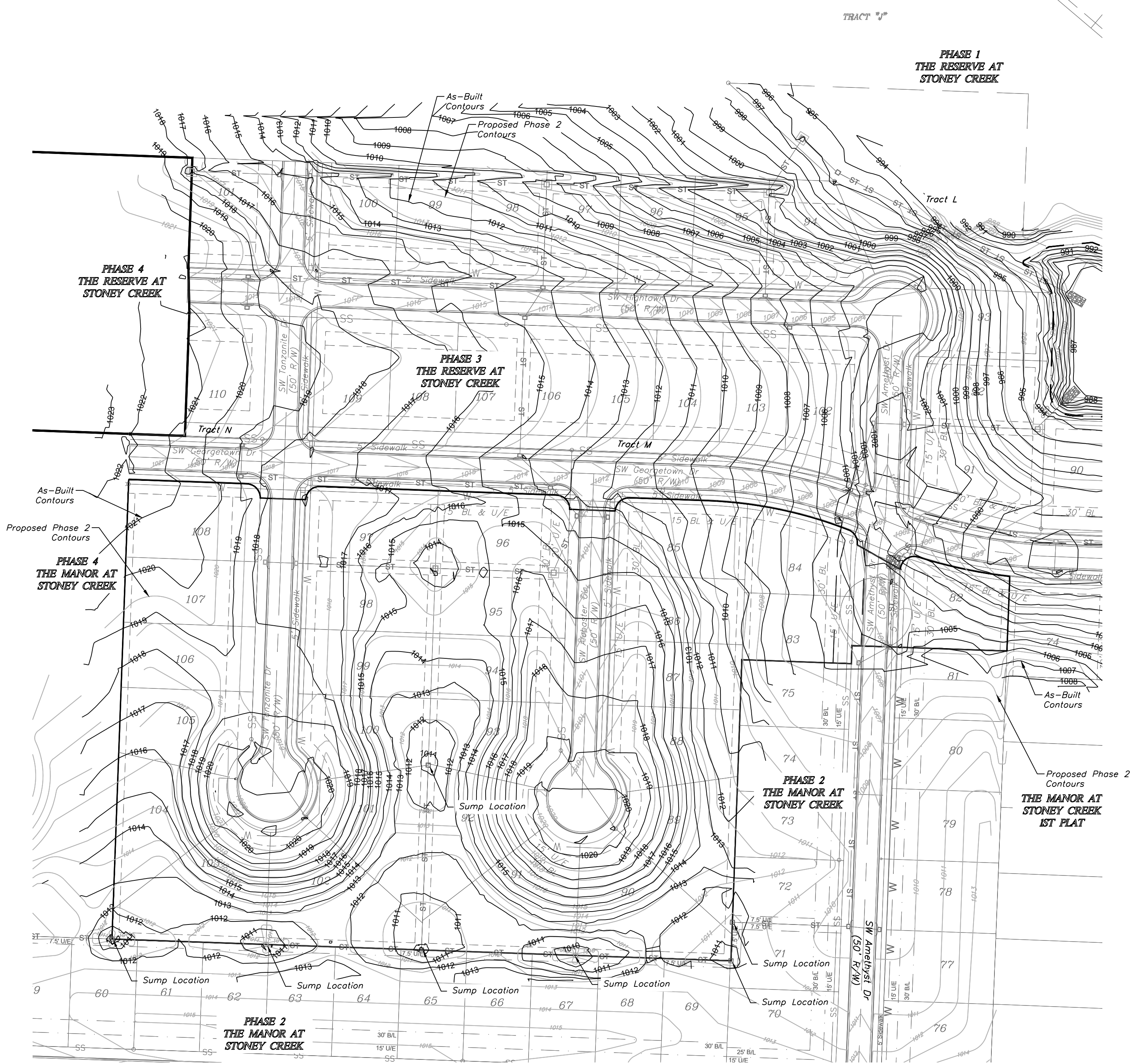
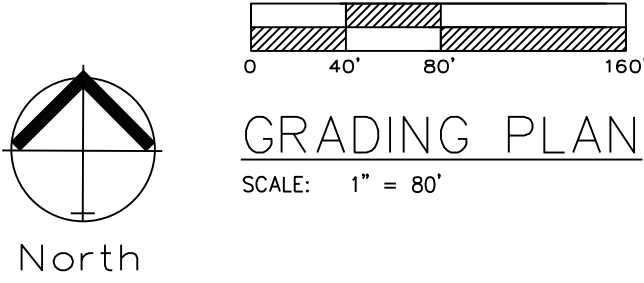


KENSINGTON FARMS
1ST PLAT

6. ADDED CUL-DE-SAC.

Notes

1. Contractor is responsible for verifying all existing utility locations prior to excavation
2. There are no known natural or artificial water storage detention areas, or wetlands in the area designated for construction
3. No part of the project lies within the 100 year flood plain
4. All erosion and sediment control measures need to be implemented prior to construction
5. Additional erosion control may be required by the City Engineer, Design Engineer or Owner at any time problematic areas are noted in the field or existing measures are found to be ineffective
6. Soil Stabilization of disturbed areas shall be completed within 14 days of construction inactivity
7. Contractor responsible for all density testing of roadway subgrade and granular base.

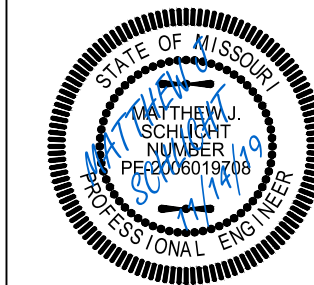


Professional Registration
Missouri
Engineering 200502188-D
Surveying 200500519-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

Project AT
STONEY CREEK
3RD
Map Date
July 18, 2017

Master Drainage Plan 1 of 3:
Grading Plan
Construction Plans for:
The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

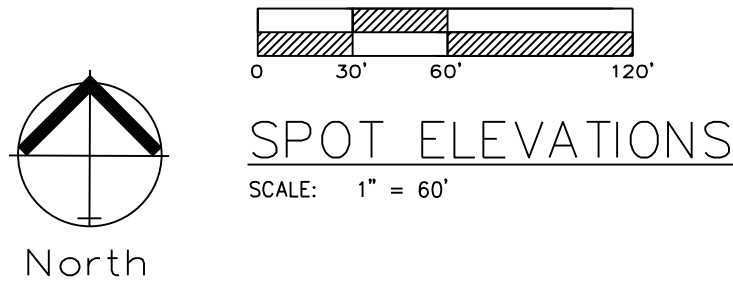


Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25526

REVISIONS
9/24/19 - As-Built
11/7/19 - As-Built
11/14/19 - As-Built

"AS-BUILT"

900.10
~~900.00~~ Indicates data replaced with "As-Built"
information. All other data is as designed
and has not been field verified.

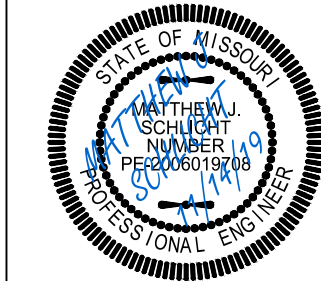


Lot Number	Basement Type	MBOE (Left)	MBOE (Right)
82	Daylight		
83	Full		
84	Full		
85	Daylight		
86	Walkout		
87	Walkout		
88	Walkout		
89	Walkout	None	1012.97
90	Walkout	1012.97	1011.47
91	Walkout	1011.47	1012.20
92	Walkout	1012.20	1013.30
93	Walkout	1013.30	None
94	Daylight		
95	Full	None	1014.70
96	Full	1014.70	1016.50
97	Full	1016.50	1014.70
98	Daylight	1014.70	None
99	Daylight		
100	Walkout	None	1013.30
101	Walkout	1013.30	1012.20
102	Walkout	1012.20	1012.75
103	Walkout	1012.75	1012.66
104	Walkout	1015.07	1018.15
105	Daylight	1018.15	1019.59
106	Full	1019.59	1021.03
107	Full	1021.03	1022.00
108	Full	1022.00	

NOTE:
MBOE CAN BE INTERPOLATED
FROM SIDE TO SIDE
BASED ON HOME LOCATION.

The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

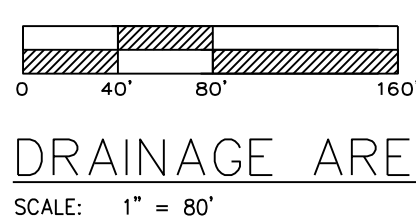
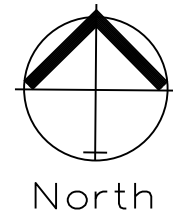
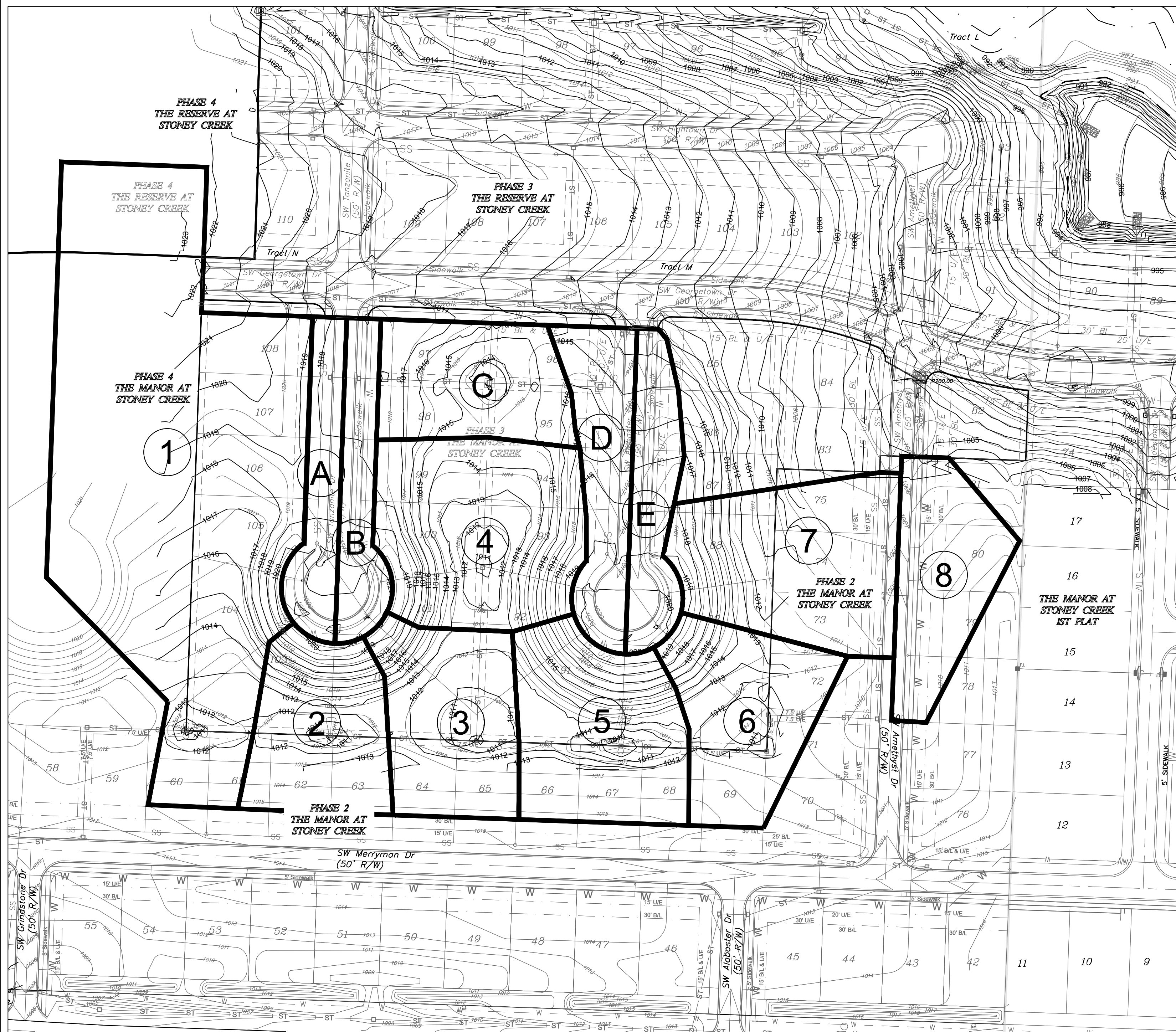
Master Drainage Plan 2 of 3:
Spot Elevations
Construction Plans for:
The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25526

REVISIONS
9/24/19 - As-Built
11/7/19 - As-Built
11/14/19 - As-Built

"AS-BUILT"
900.10
900.00 Indicates data replaced with "As-Built"
information. All other data is as designed
and has not been field verified.



DRAINAGE AREA MAP

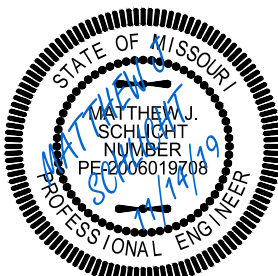
ENGINEERING SOLUTIONS

Professional Registration
Missouri
Engineering 2005002188-D
Surveying 2005006519-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

Project: AT STONEY CREEK
3RD
Issue Date:
July 18, 2017

Master Drainage Map 3 of 3:
Drainage Area Map
Construction Plans for:
The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 255226

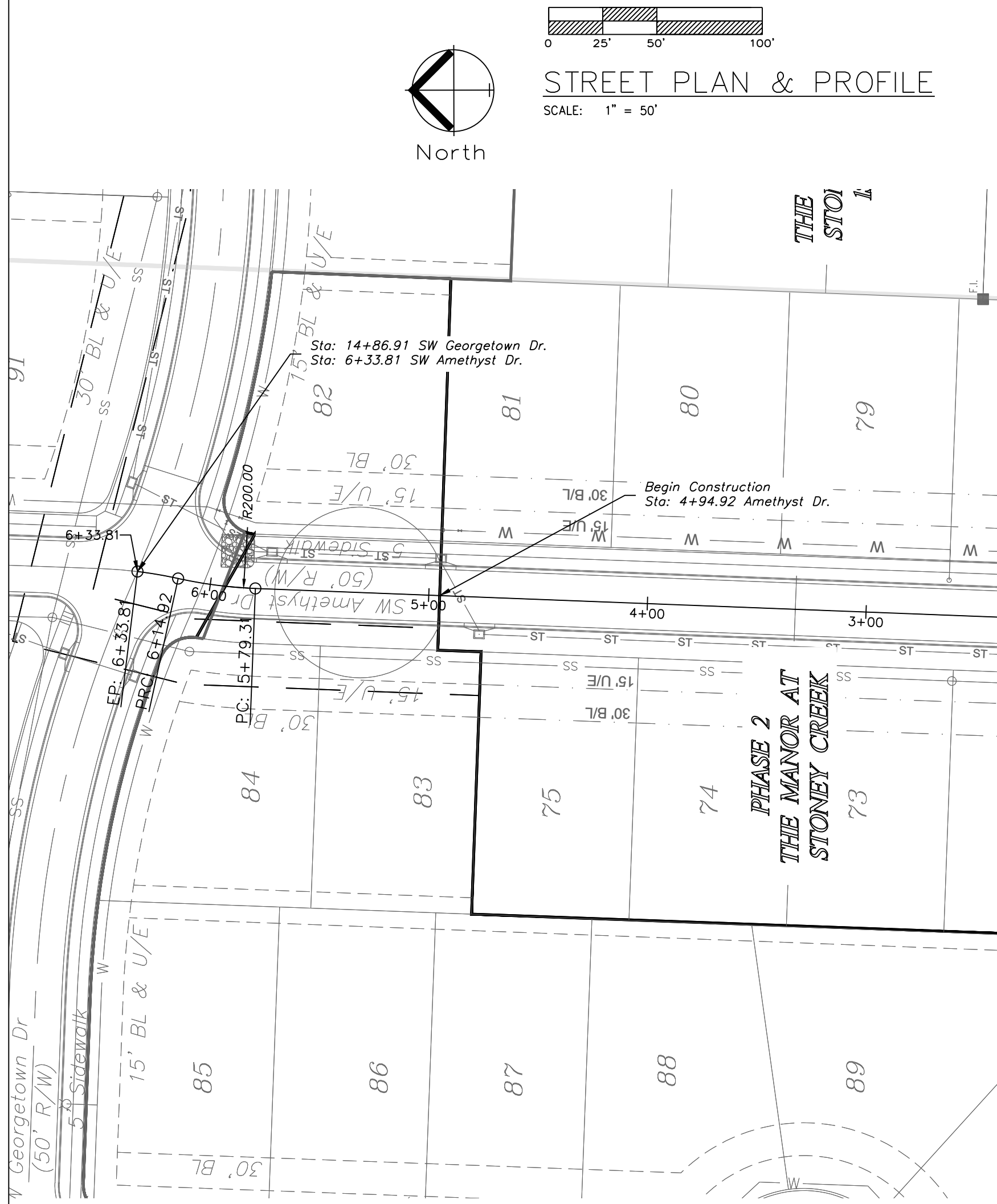
REVISIONS
9/24/19 - As-Built
11/7/19 - As-Built
11/14/19 - As-Built

Drainage Area	Area Sq. Ft.	Area Ac.	CN
MANOR AT STONEY CREEK - 2ND PLAT			
1	162602.9	3.73	0.30
2	31317.67	0.72	0.30
3	34408.45	0.79	0.30
4	50711.35	1.16	0.30
5	41460.67	0.95	0.30
6	34274.51	0.79	0.30
7	46410.76	1.07	0.41
8	28924.16	0.66	0.56
MANOR AT STONEY CREEK - 3RD PLAT			
A	16854.11	0.39	0.52
B	16854.04	0.39	0.52
C	30092.45	0.69	0.30
D	24389.62	0.56	0.46
E	19319.91	0.44	0.50

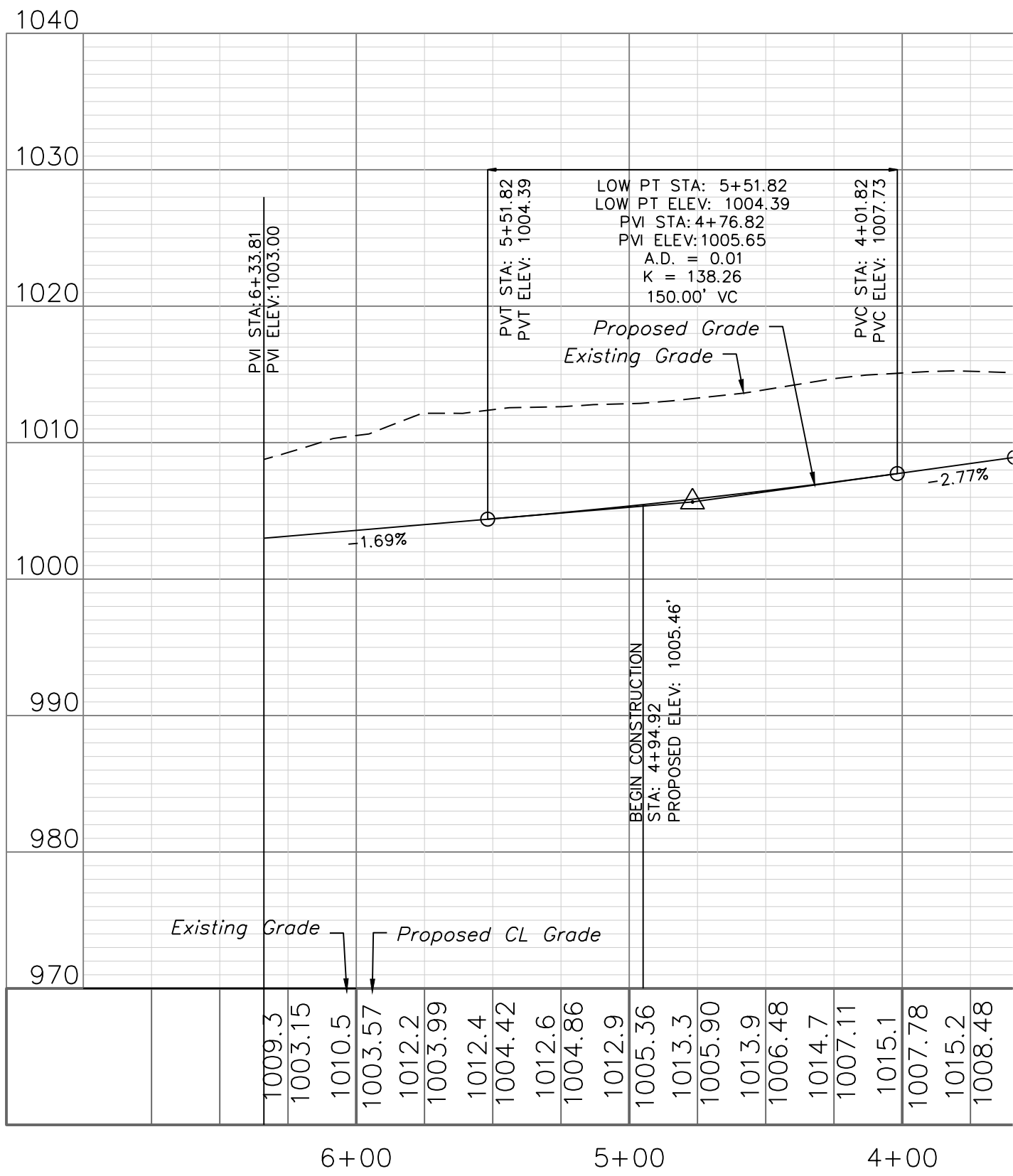
APWA STORM DRAINAGE "TC" COMPUTATIONS FOR : The Manor At Stoney Creek - 3RD Plat																																																						
AREA ID	TOTAL ACRES	WTRSHD LENGTH	UP ELEV	DN ELEV	Surface types: Asph/ConcBus/Com Dirt Grass/Park Lake MultFam SnglFam Undev Other										TC COMPUTATION						AREA ID																																	
					SURFACE CODES					A B D G					L M S U Z																																							
					"C" Values					0.90 0.87 0.60 0.30					0.90 0.66 0.51 0.3																																							
					Overwrite Length DN ELEV or Slope if necessary					SURFACE CODE P=Payed Unpaved If necessary					Overwrite Slope or Elevations if necessary																																							
					OVERLAND FLOW - 100' MAX					CHANNEL FLOW - FIRST REACH																																												
					SURFACE CODE "C" VALUE OVRLAND LENGTH UP ELEV DN ELEV					SLOPE % P or U CHANNEL UP LENGTH DN ELEV SLOPE ELEV VELOCITY F/S					Cal Overland Flow T(I)					Used Min 5 Max 15 T(I)					Cal Channel One T(I)					Cal Channel Two T(I)					Total T(I) @ 10					Intensity 10 I					Intensity 100 I					CFS 10 Q				
THE MANOR AT STONEY CREEK - 2ND PLAT EXISTING DRAINAGE (UPDATE)																																																						
1	3.73	676.9	1027.5	1010.0	Z	0.30	100.0	1027.5	1026.1	1.5	P	576.9	1026.1	1010.0	2.78	3.4	12.7	12.7	2.8	0.0	15.6	5.3	7.3	5.91	8.14	1.0																												
2	0.72	139.0	1021.5	1010.0	Z	0.30	100.0	1021.5	1013.0	8.5	P	39.0	1013.0	1010.0	7.68	5.6	7.1	7.1	0.1	0.0	7.2	6.7	9.5	1.45	2.05	2.0																												
3	0.79	183.3	1021.5	1010.0	Z	0.30	100.0	1021.5	1011.9	9.6	P	83.3	1011.9	1010.0	2.28	3.1	6.8	6.8	0.5	0.0	7.2	6.7	9.5	1.59	2.24	3.0																												
4	1.16	182.4	1017.5	1011.0	Z	0.30	100.0	1017.5	1012.9	4.6	P	82.4	1012.9	1011.0	2.31	3.1	8.7	8.7	0.4	0.0	9.1	6.3	8.9	2.19	3.09	4.0																												
5	0.95	107.6	1019.5	1009.0	Z	0.30	100.0	1019.5	1010.5	9.0	P	7.6	1010.5	1009.0	19.84	9.1	6.9	6.9	0.0	0.0	6.9	6.8	9.6	1.94	2.73	5.0																												
6	0.79	190.2	1019.5	1010.0	Z	0.30	100.0	1019.5	1012.8	6.7	P	90.2	1012.8	1010.0	3.11	3.6	7.6	7.6	0.4	0.0	8.1	6.5	9.2	1.54	2.18	6.0																												
7	1.07	292.9	1019.5	1005.9	Z	0.41	100.0	1019.5	1012.0	7.5	P	192.9	1012.0	1005.9	3.16	3.6	6.3	6.3	0.9	0.0	7.2	6.7	9.5	2.94	4.15	7.0																												
8	0.66	315.6	1009.9	1005.0	Z	0.56	100.0	1009.9	1009.0	0.9	P	215.6	1009.0	1005.0	1.85	2.8	10.3	10.3	1.3	0.0	11.6	5.8	8.2	2.14	3.02	8.0																												
THE MANOR AT STONEY CREEK - 3RD PLAT NEW DRAINAGE AREA																																																						
A	0.39	311.1	1021.5	1018.0	Z	0.52	100.0	1021.5	1019.0	2.5	P	211.1	1019.0	1018.0	0.47	1.4	7.6	7.6	2.5	0.0	10.1	6.0	8.5	1.23	1.73	A																												
B	0.39	311.1	1021.5	1018.0	Z	0.52	100.0	1021.5	1019.0	2.5	P	211.1	1019.0	1018.0	0.47	1.4	7.6	7.6	2.5	0.0	10.1	6.0	8.5	1.23	1.73	B																												
C	0.69	147.2	1018.5	1013.0	Z	0.30	100.0	1018.5	1015.2	3.3	P	47.2	1015.2	1013.0	4.68	4.4	9.7	9.7	0.2	0.0	9.9	6.1	8.6	1.27	1.79	C																												
D	0.56	374.0	1020.5	1012.2	Z	0.46	100.0	1020.5	1019.0	1.5	P	274.0	1019.0	1012.2	2.48	3.2	10.1	10.1	1.4	0.0	11.6	5.8	8.2	1.47	2.08	D																												
E	0.44	374.0	1020.5	1012.2	Z	0.50	100.0	1020.5	1019.0	1.5	P	274.0	1019.0	1012.2	2.48	3.2	9.5	9.5	1.4	0.0	10.9	5.9	8.3	1.29	1.83	E																												

"AS-BUILT"

900.10
900.00 Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.



SW AMETHYST DR



"AS-BUILT"

900.10
~~900.00~~ Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.

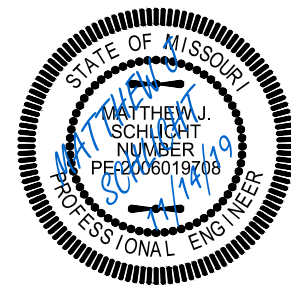


Professional Registration
Missouri
Engineering 2005002188-D
Surveying 2005005119-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

Project AT
STONEY CREEK
3RD
Issue Date
July 18, 2017

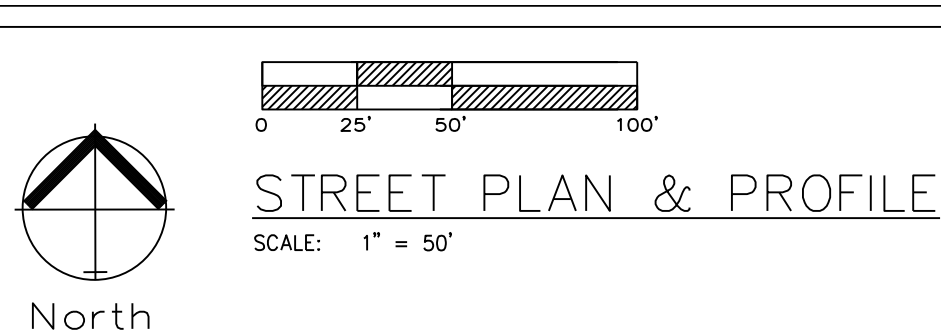
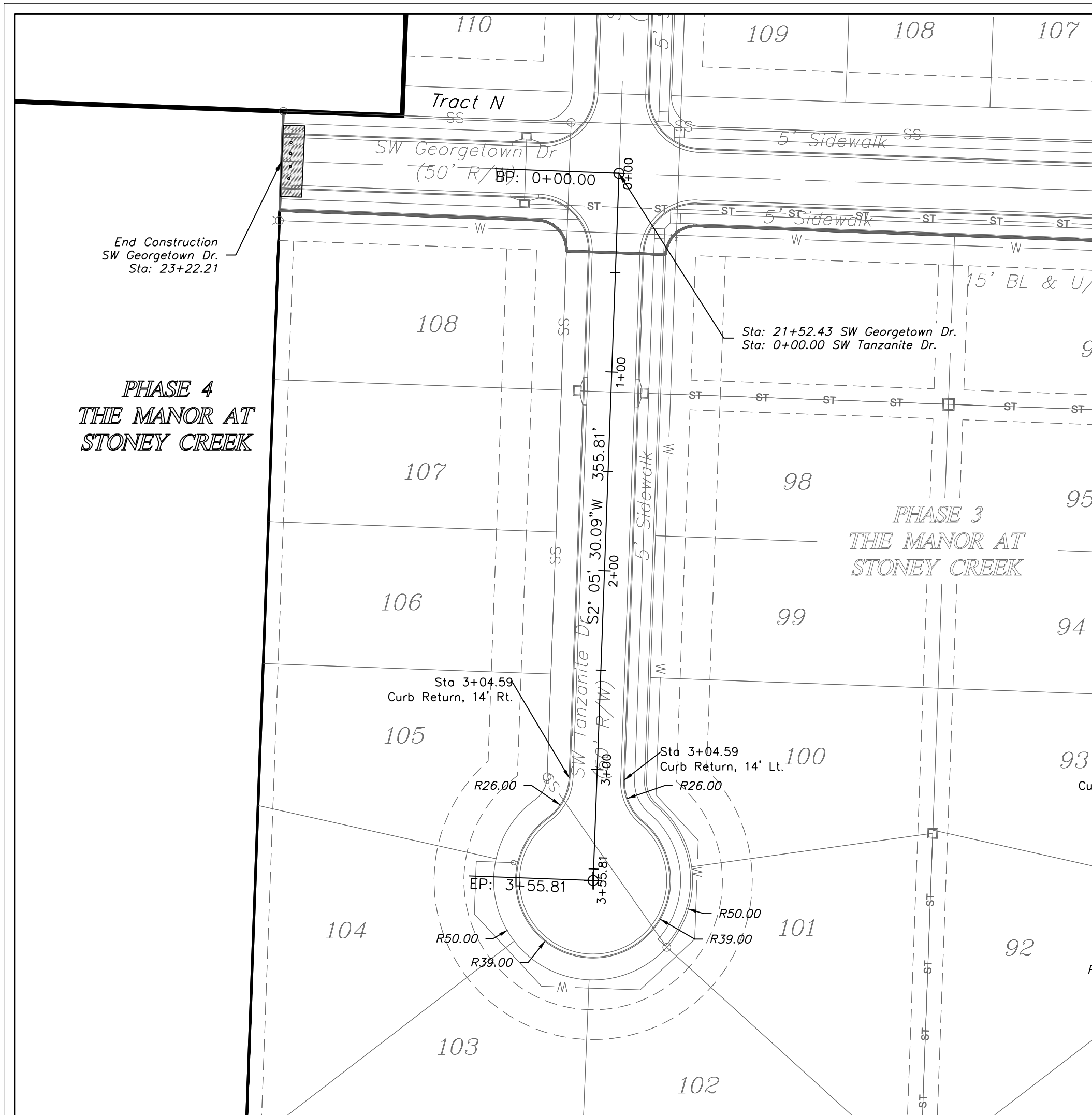
Street Plan and Profile
Construction Plans for:
The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25526

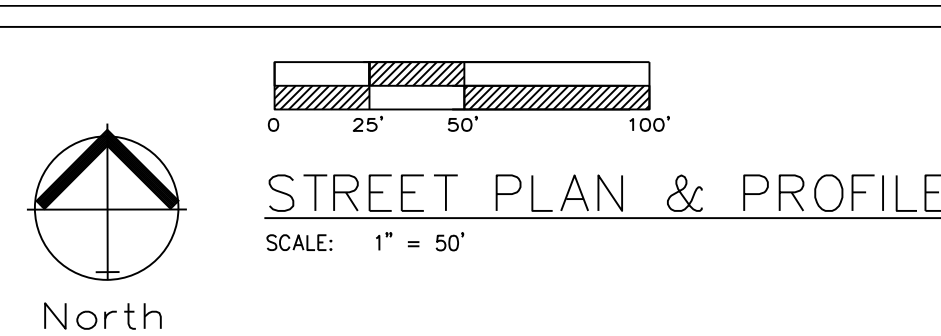
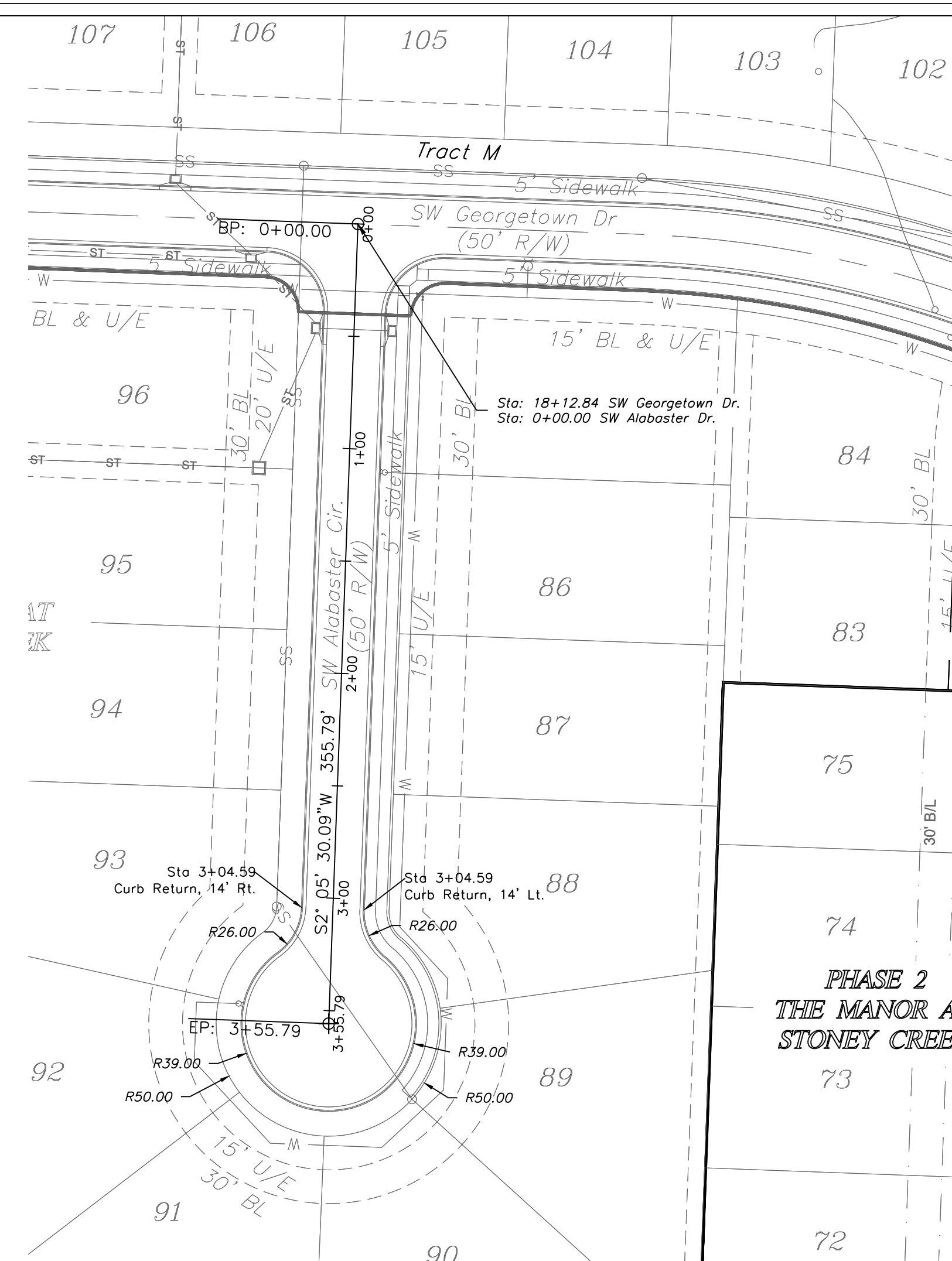
REVISIONS

9/24/19 - As-Built
11/7/19 - As-Built
11/14/19 - As-Built



STREET PLAN & PROFILE

SCALE: 1" = 50'

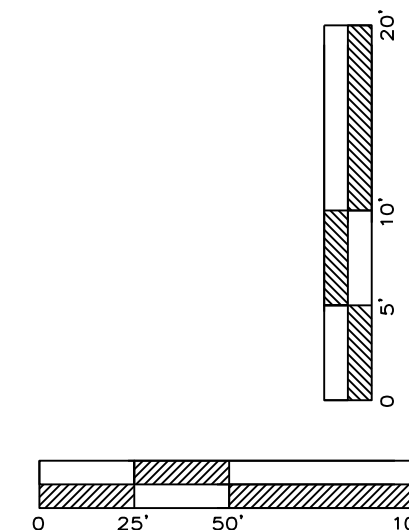
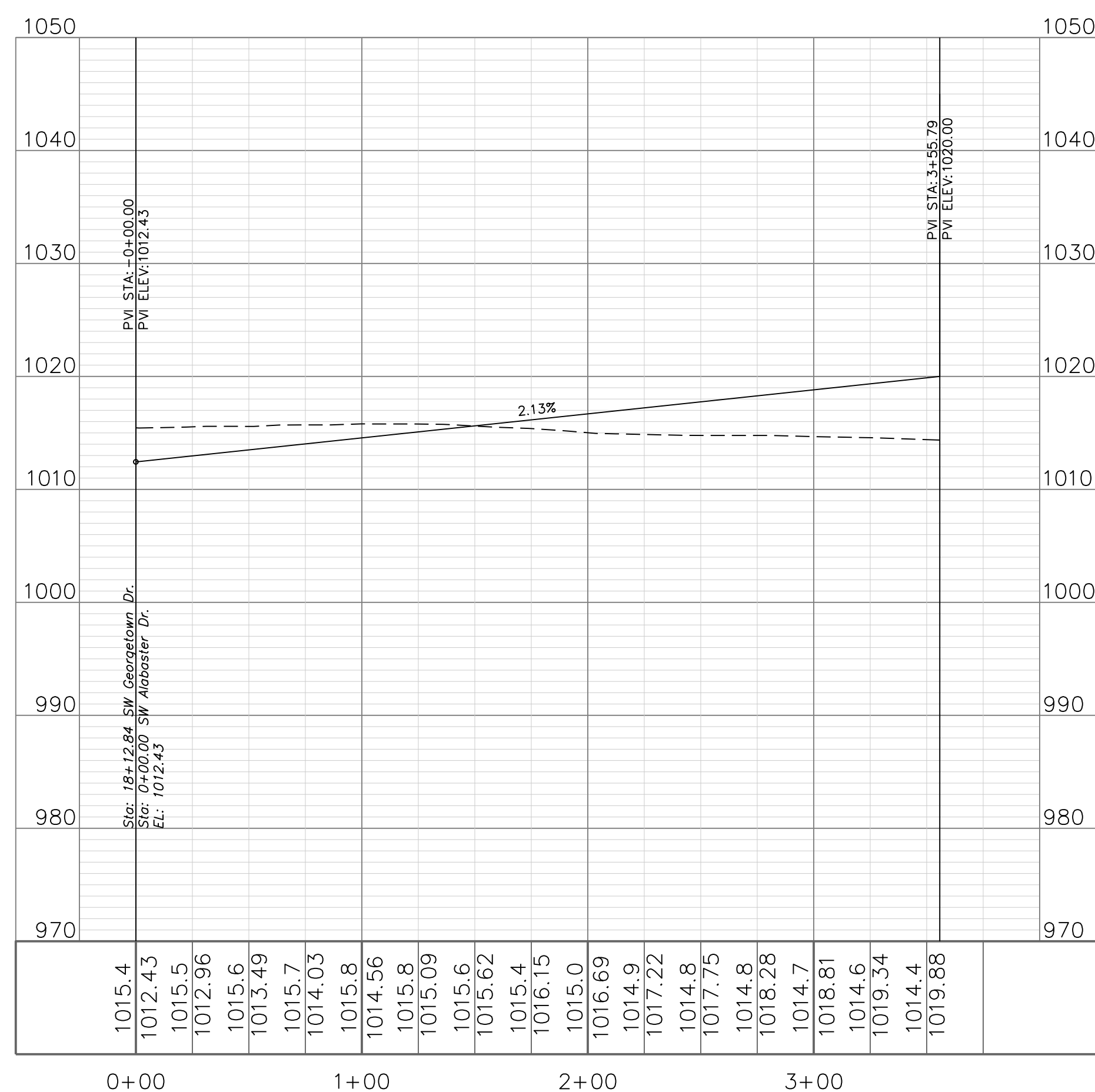
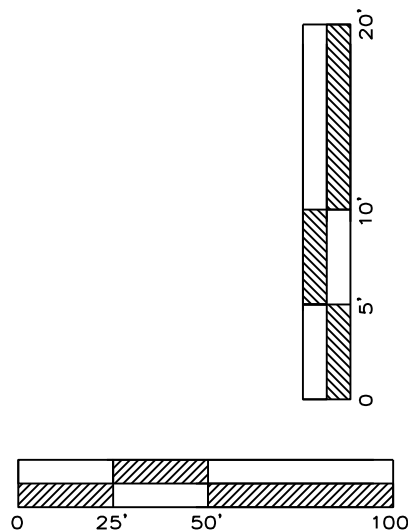
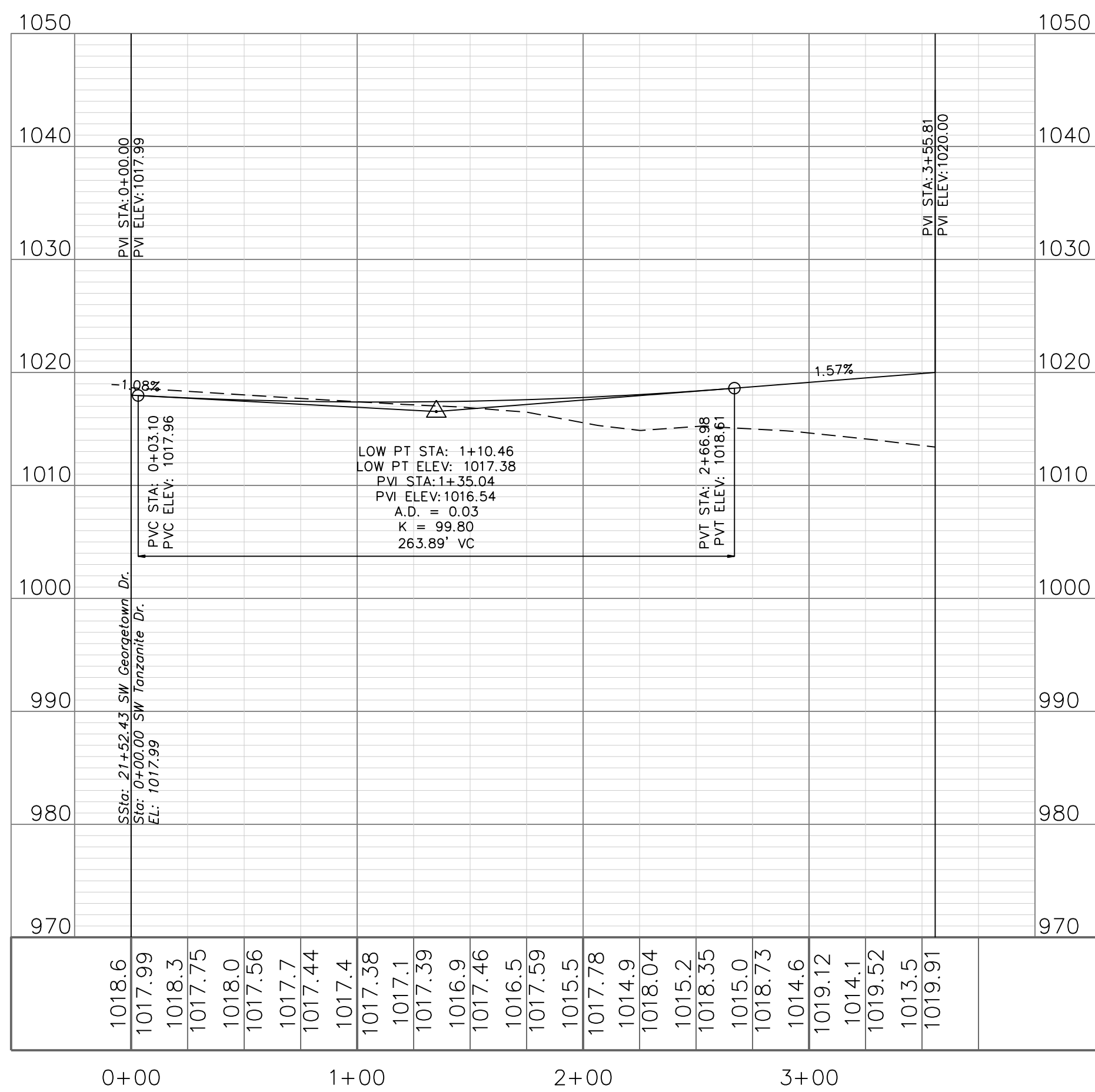


STREET PLAN & PROFILE

SCALE: 1" = 50'

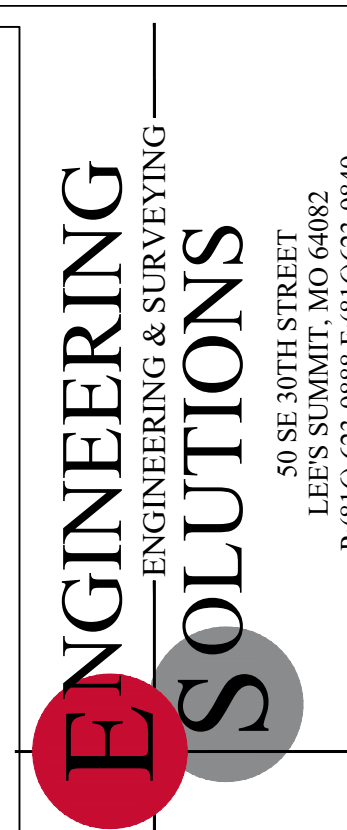
SW TANZANITE DRIVE

SW ALABASTER CIRCLE



"AS-BUILT"

900.10
900.00 Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.

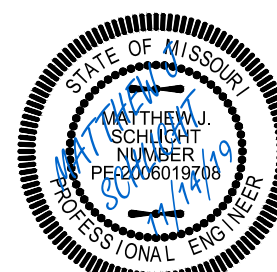


Professional Registration
Missouri
Engineering 2005002188-D
Surveying 2005005189-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

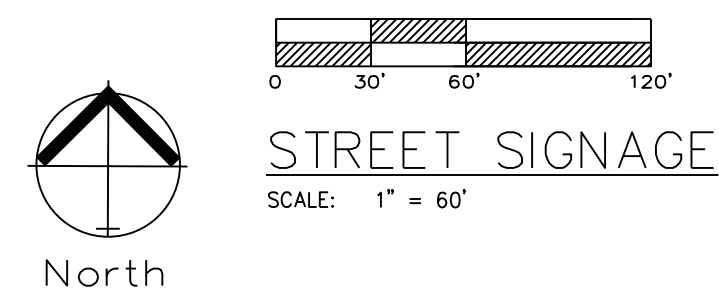
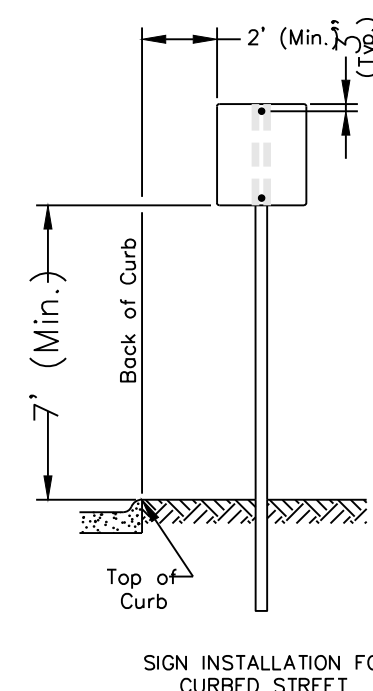
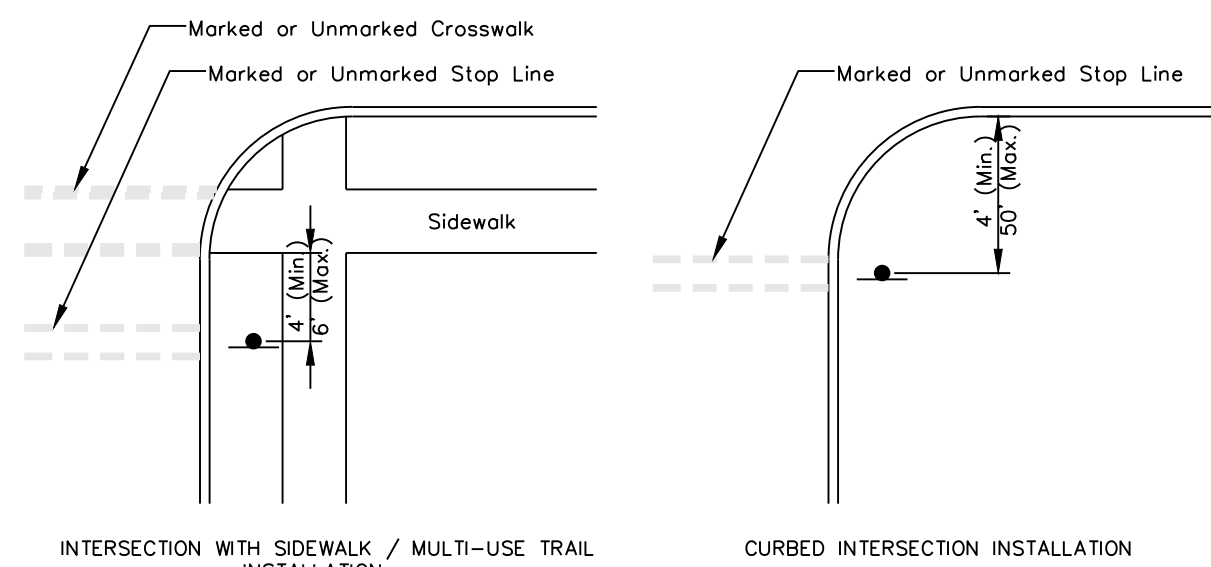
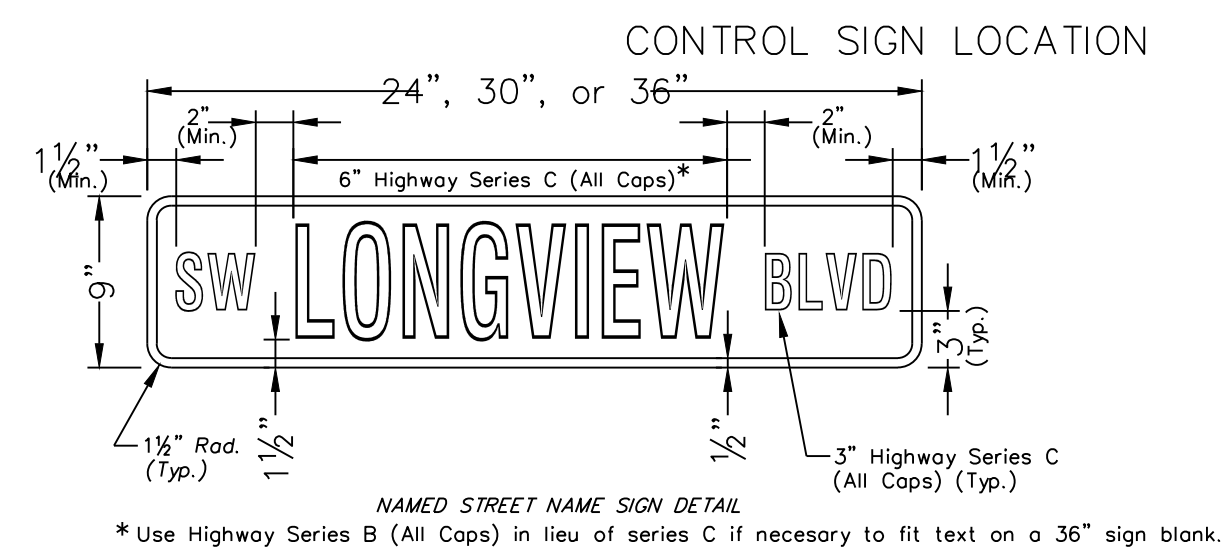
Project AT
STONEY CREEK
3RD
Issue Date
July 18, 2017

Street Plan and Profile
Construction Plans for:
The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25526

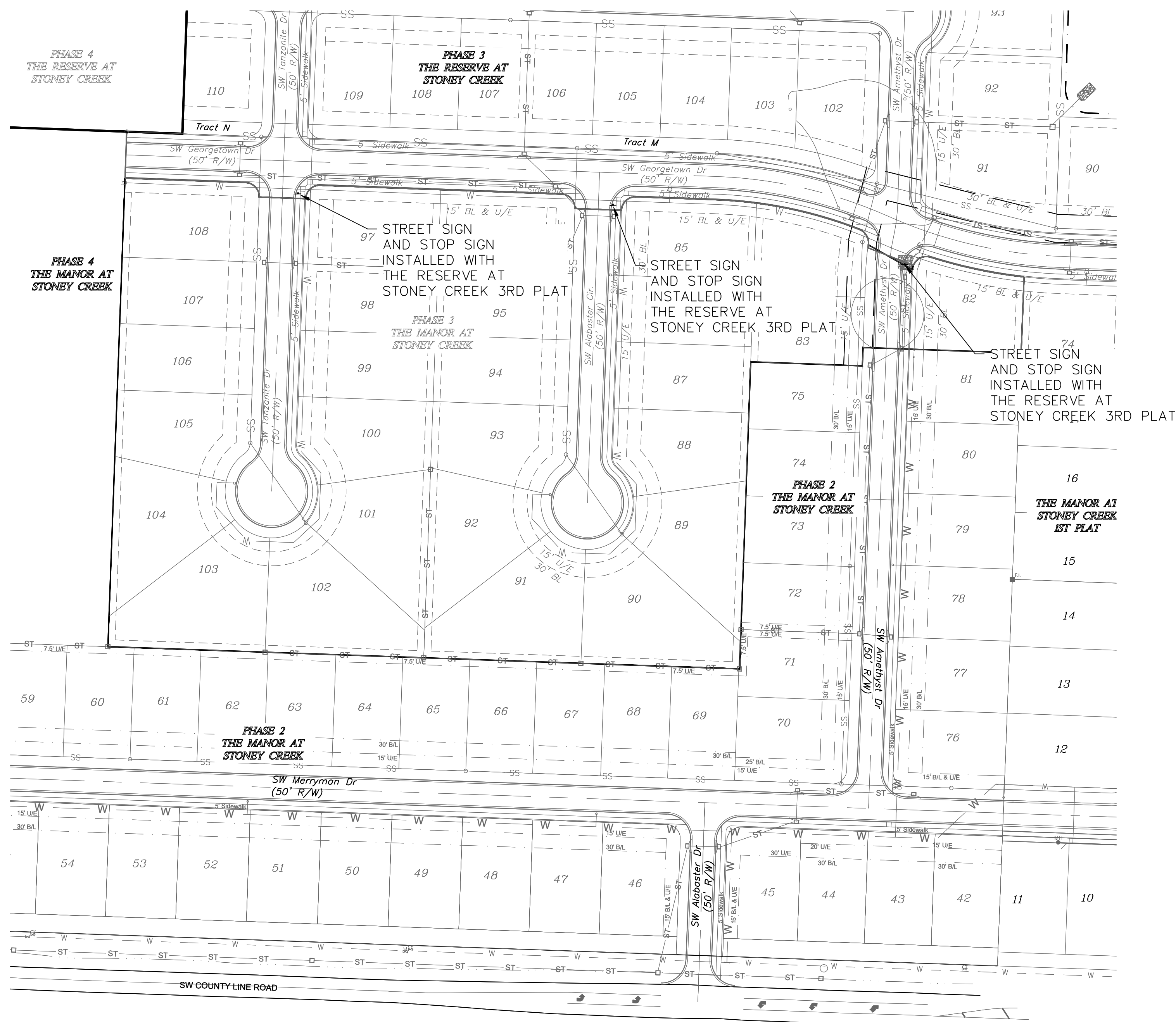
REVISIONS
9/24/19 - As-Built
11/7/19 - As-Built
11/14/19 - As-Built



SIGN MOUNTING DETAILS

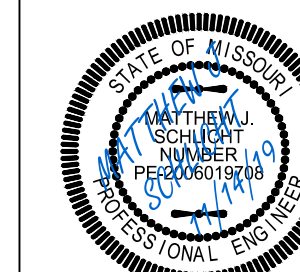
* The height to the bottom of a sign when it is located in a pedestrian walkway or extends into a walkway shall be a minimum of 80 inches above the walkway.

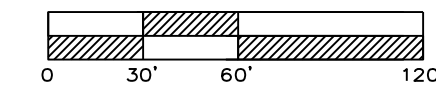
SQUARE STEEL POST MOUNTING DETAILS



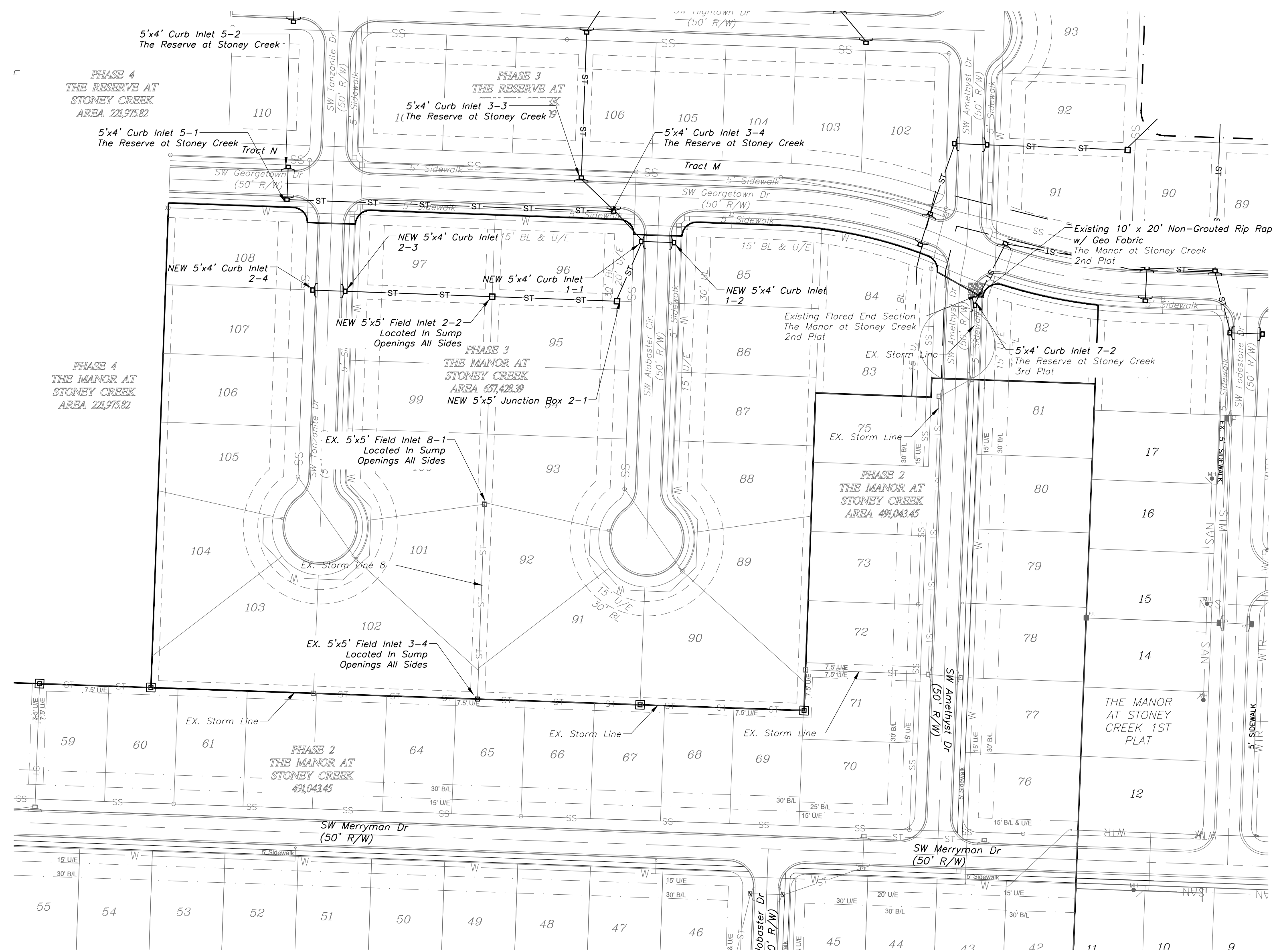
"AS-BUILT"

900.10
900.00 Indicates data replaced with "As-Built"
information. All other data is as designed
and has not been field verified.





STORM SEWER GENERAL LAYOUT
SCALE: 1" = 60'

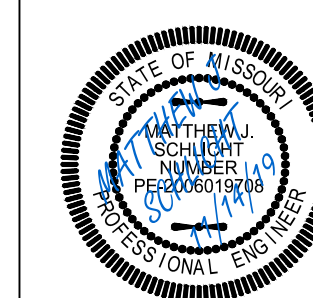


Professional Registration
Missouri
Engineering 200502188-D
Surveying 200500519-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

Project: AT STONEY CREEK
3RD
Issue Date: July 18, 2017

Storm Sewer General Layout
Construction Plans for:
The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

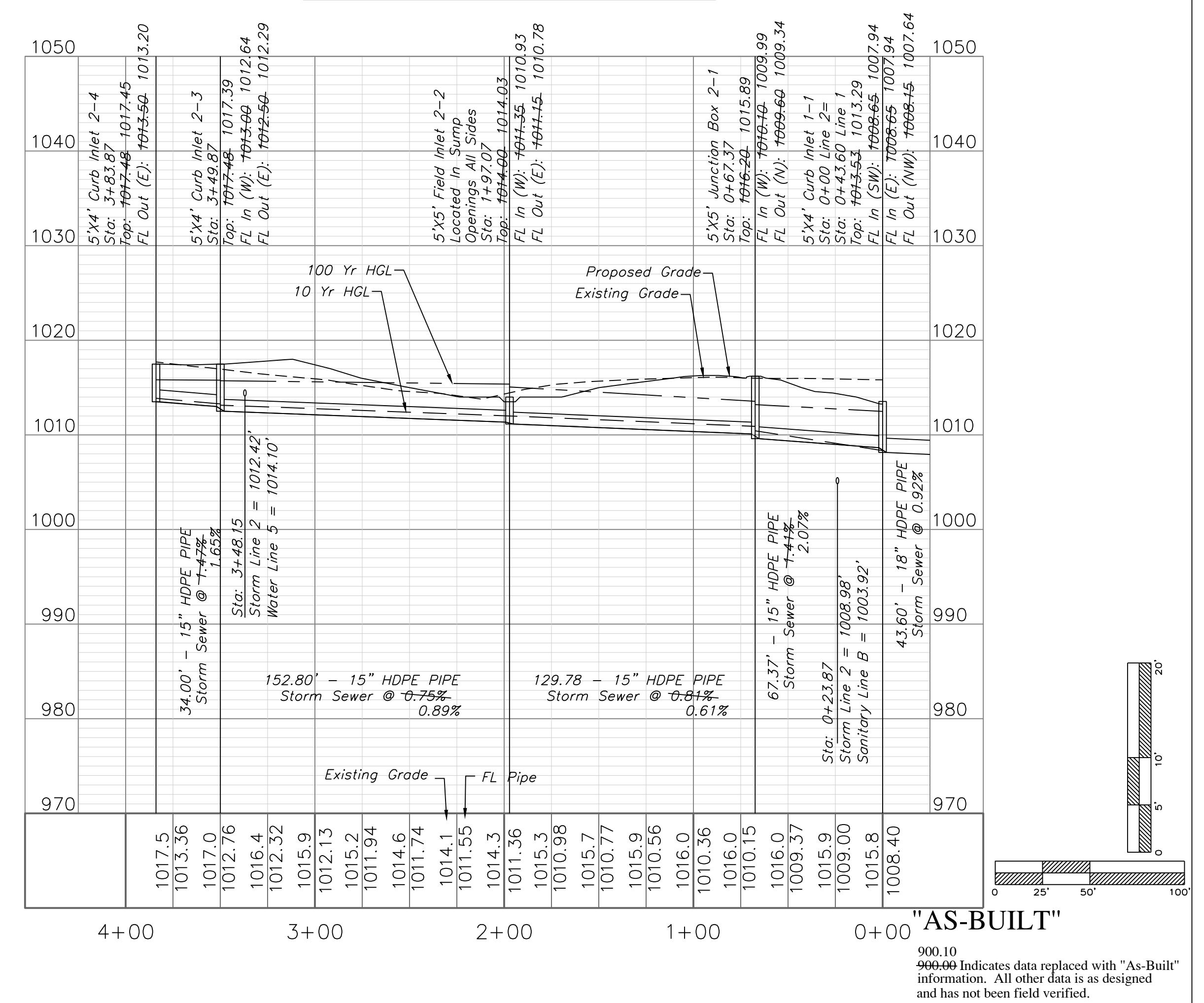
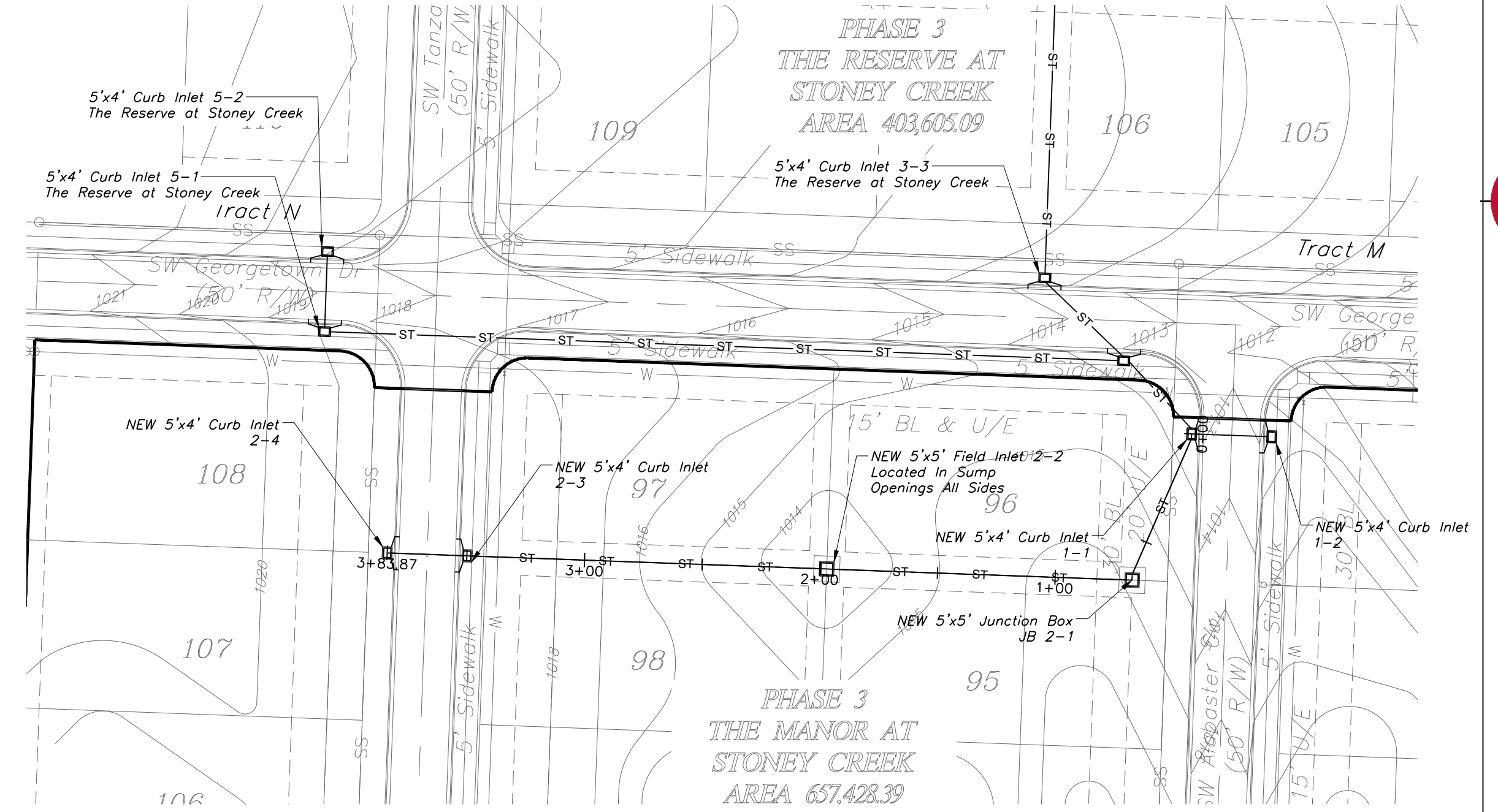
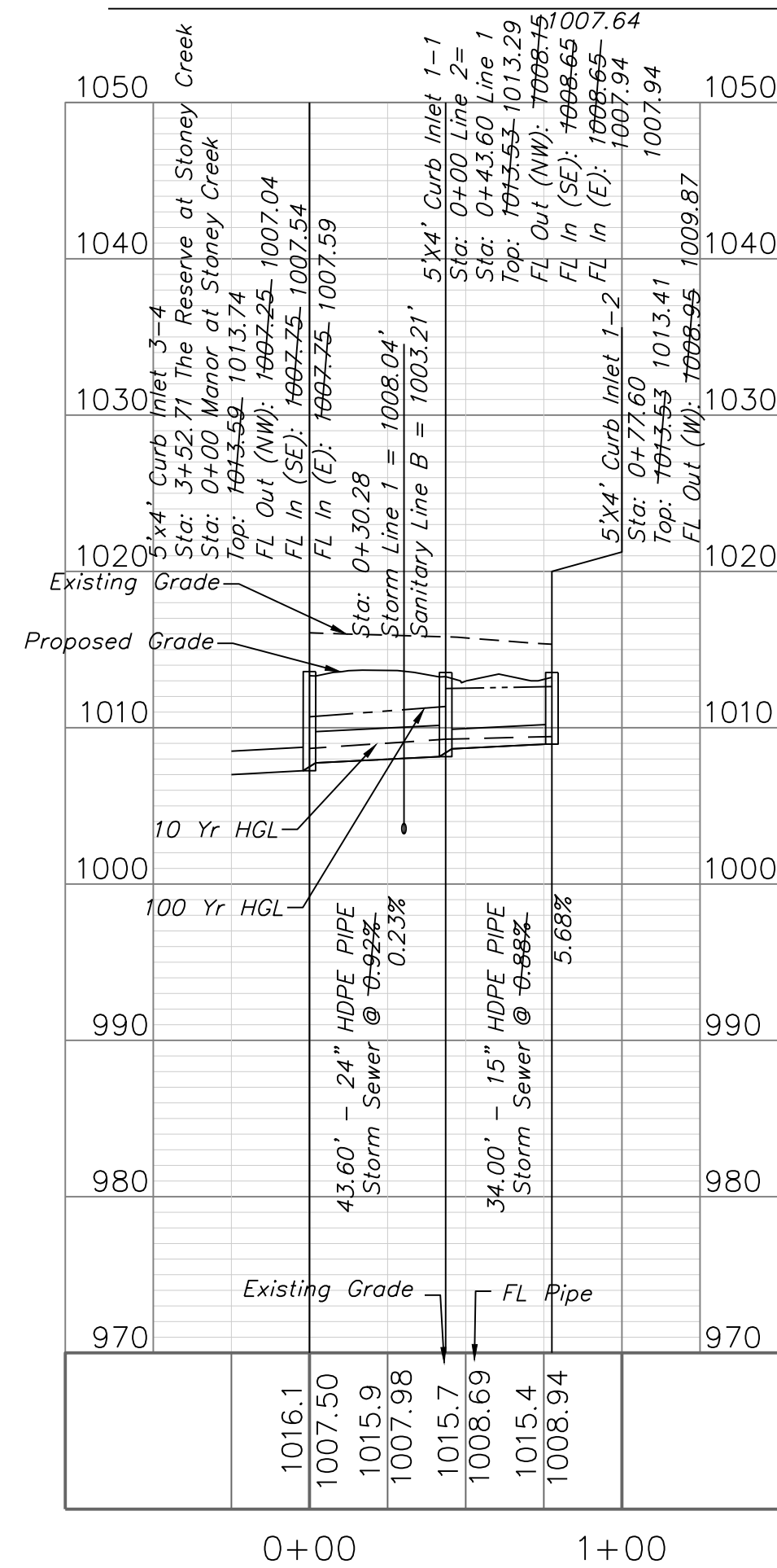
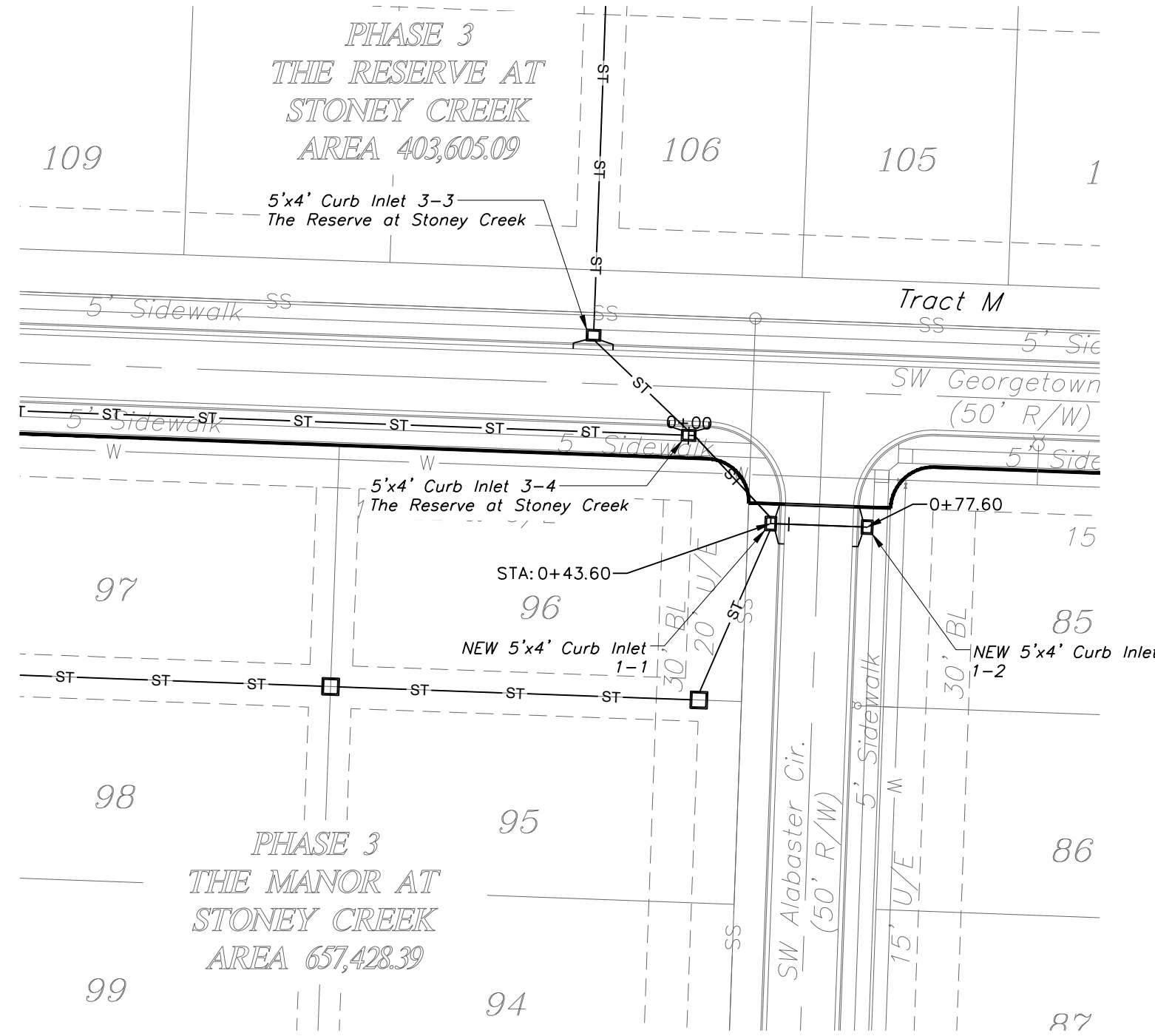


Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25526

REVISIONS
9/24/19 - As-Built
11/7/19 - As-Built
11/14/19 - As-Built

C. 300

"AS-BUILT"
900.10
~~900.00~~ Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.



	US Inlet	US Inlet	Area (ac)	InletTime (min)	Int. (in/hr)	RunoffCoeff. (C)	Q to CA (cfs)	Q Carry-over (cfs)	Q Captured (cfs)	Q Bypassed (cfs)	JunctType	CurbLength (ft)	CurbLength (ft)	Q to TR (cfs)	GutterWidth (ft)	CrossSlope (ft/crossSlope)	CrossSlope (ft/crossSlope)	InletDepth (ft)	BypassDepth (ft)	BypassDepth (ft)	GutterDepth (ft)	GutterDepth (ft)		
Existing Storm Water Network at US Inlet	8.1	8.2	0.1	5	7.27	0.51	0.37	0	0.85	0.02	Curb	10	5	0.04	2	0.35	0.02	0.15	0.05	0.36	0.15	1.01		
	8.2	8.3	0.13	2	7.27	0.51	0.48	0	0.48	0	Curb	10	5	0.01	2	0.35	0.02	0.22	0	0	0.22	1.44		
	8.3	8.4	0.1	8.2	7.27	0.51	0.47	0	0.43	0	Curb	10	5	0.01	0.02	0.35	0.19	0	0	0	0.19	1.25		
	8.2	7.1	0.26	9.8	6.13	0.51	0.81	0.02	0.84	0	Curb	10	5	Sag	2	0.35	0.02	0.15	n/a	n/a	0.15	0.97		
	7.1	7.2	0.06	11.4	5.85	0.51	0.18	0	0.18	0	Curb	10	5	0.01	2	0.35	0.02	0.15	0	0	0.15	0.99		
	7.2	7.3	0.06	6.8	5.85	0.51	0.35	1.37	0.28	1.37	Curb	10	5	0.01	0.02	0.35	0.19	0	0	0	0.19	4.03		
	7.3	EX MW2	0.81	5	7.27	0.51	3	0.41	2.12	1.3	Curb	10	5	0.01	2	0.35	0.02	0.42	0.31	2.65	0.42	7.88		
	EX MW3	EX MW3	1.2	16	5.12	0.51	3.13	0.21	3.34	0	Curb	10	5	Sag	2	0.35	0.02	0.37	n/a	n/a	0.37	5.35		
	EX MW3	EX MW4	0.48	10.4	6.01	0.51	1.47	0	1.27	0.21	Curb	10	5	0.01	2	0.35	0.02	0.33	0.16	1.05	0.33	3.36		
	EX MW4	EX MW5	0.64	10.7	5.96	0.51	1.98	0	1.53	0.45	Curb	10	5	0.01	0.02	0.35	0.02	0.36	0.2	1.36	0.36	4.89		
Existing Storm Water Network at US Inlet	EX MW4	EX MW5.1	0	8	0	0.51	0	---	---	---	MH	---	---	---	---	---	---	---	---	---	---	---		
	EX MW5.1	EX MW5.2	0.79	8	6.51	0.51	2.62	0	2.62	0	Dr-Curb	10	2.47	Sag	---	---	0.02	0.02	0.52	n/a	n/a	0.52	25.91	
	EX MW5.2	EX MW5.3	0.06	16.5	5.08	0.51	2.46	0	2.46	0	Curb	10	12	Sag	---	---	0.02	0.02	0.17	n/a	n/a	0.17	8.3	
	EX MW5.3	EX MW5.4	0.06	14.6	5.31	0.51	2.14	0	2.14	0	Curb	10	12	Sag	---	---	0.02	0.02	0.15	n/a	n/a	0.15	7.61	
	EX MW5.4	EX MW5.5	0.72	7	6.74	0.51	2.48	0	2.48	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.17	n/a	n/a	0.17	8.39	
	EX MW5.4	EX MW5.1	1.16	7	6.74	0.51	3.99	0	3.99	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.23	n/a	n/a	0.23	11.53	
	7.1	7.1	1.11	7.6	6.5	0.51	3.74	1.89	5.13	0	Curb	10	5	Sag	2	0.35	0.02	0.38	0.38	---	---	---		
	8.3	5.41	0.72	9.5	6.19	0.51	2.27	0	2.27	0	Curb	10	5	Sag	2	0.35	0.02	0.28	n/a	n/a	0.28	1.89		
	5.41	5.4.2	0.38	5.7	7.08	0.51	1.37	0	1.37	0	Curb	10	5	Sag	2	0.35	0.02	0.2	n/a	n/a	0.2	1.85		
	5.4.2	5.4.3	0.06	5.6	7.1	0.51	3.44	0	3.44	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.13	n/a	n/a	0.13	0.44	
Existing Storm Water Network at US Inlet	5.4.2	5.5.1	0.22	5.7	7.08	0.51	0.79	0	0.79	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.14	n/a	n/a	0.14	0.94	
	11.1	1.2	0.13	5	7.27	0.51	0.47	0	0.47	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.06	n/a	n/a	0.06	2.78	
	1.2	1.3	0.02	8.7	6.36	0.51	0.20	0.02	0.20	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.15	n/a	n/a	0.15	7.35	
	1.3	1.4	0.5	9.3	6.5	0.51	1.59	0.18	1.77	0.18	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.13	n/a	n/a	0.13	6.89	
	1.4	1.5	0.11	7.4	6.65	0.51	0.37	0	0.37	0	Curb	10	5	0.01	2	0.35	0.02	0.2	0	0	0.2	1.31		
	1.5	1.6	0.14	6.8	6.79	0.51	0.49	0	0.49	0	Curb	10	5	0.01	2	0.35	0.02	0.22	0	0	0.22	1.44		
	1.6	1.7	0.06	6.33	9.6	1.17	0.51	1.04	0	1.04	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.13	n/a	n/a	0.13	4.7
	1.7	1.8	0.1	7.9	5.53	0.51	0.07	0.09	0.77	0.02	Curb	10	5	0.01	2	0.35	0.02	0.26	0.07	0.44	0.26	1.73		
	2.1	2.2	0.35	9.5	6.19	0.51	1.11	0	1.02	0.09	Curb	10	5	0.01	2	0.35	0.02	0.29	0.11	0.77	0.29	1.97		
	2.4	3.1	0.25	9.9	6.11	0.51	0.78	0.61	1.21	0.18	Curb	10	5	0.01	2	0.35	0.02	0.32	0.15	0.99	0.32	3.04		
Existing Storm Water Network at US Inlet	3.1	3.2	0.51	9.8	5.13	0.51	1.59	0.1	1.77	0.16	Curb	10	5	0.01	0.02	0.38	0.28	0.38	0.28	---	---	---		
	3.2	3.3	0.78	10.1	6.07	0.51	2.42	0.06	1.77	0.7	Curb	10	5	0.01	0.02	0.35	0.02	0.38	0.25	1.66	0.38	6.17		
	3.3	3.4	0.31	9.1	6.27	0.51	0.99	0	0.99	0	Curb	10	5	Sag	2	0.35	0.02	0.16	n/a	n/a	0.16	1.09		
	3.4	4.1	0.32	12.4	5.66	0.51	0.33	0.1	0.03	0.01	Curb	10	5	0.01	0.02	0.35	0.02	0.25	0.06	0.27	0.25	1.68		
	4.1	4.2	0.35	8.34	6.34	0.51	1.13	0	1.03	0.1	Curb	10	5	0.01	2	0.35	0.02	0.3	0.12	0.79	0.3	1.88		
	3.4	5.1	0.34	12.4	5.66	0.51	0.98	0	0.92	0.06	Curb	10	5	0.01	2	0.35	0.02	0.28	0.1	0.65	0.28	1.88		
	5.1	5.2	0.12	8.1	6.49	0.51	0.4	0	0.4	0	Curb	10	5	0.01	2	0.35	0.02	0.2	0	0	0.2	1.34		
	4.1	M1.1	0.56	11.6	5.6	0.51	1.66	0	1.66	0	Curb	10	5	Sag	2	0.35	0.02	0.23	0.23	---	---	---		
	M1.1	M1.2	0.4	10.9	5.92	0.51	1.69	0	1.69	0	Curb	10	5	Sag	2	0.35	0.02	0.23	n/a	n/a	0.23	1.55		
	M1.2	M2.1	0	0	0	0	0	---	---	---	MH	---	---	---	---	---	---	---	---	---	---	---		
Existing Storm Water Network at US Inlet	M2.1	M2.2	0.69	9.9	6.11	0.51	2.12	0	2.12	0	Dr-Curb	10	5	Sag	2	0.35	0.02	0.27	0.27	---	---	---		
	M2.2	M2.3	0.39	10.1	6.07	0.51	1.21	0	1.21	0	Curb	10	5	Sag	2	0.35	0.02	0.19	n/a	n/a	0.19	1.24		
	M2.3	M2.4	0.39	10.1	6.07	0.51	1.21	0	1.21	0	Curb	10	5	Sag	2	0.35	0.02	0.19	n/a	n/a	0.19	1.24		
	7.7	Future	2.78	9.6	6.17	0.51	8.75	0	8.75	0	HWall	---	---	---	---	---	---	---	---	---	---	---		
	6.2	6.3	0.2	12.4	5.2	0.727	0.51	0.88	0	0.88	0	Curb	10	12	Sag	---	---	0.02	0.02	0.08	n/a	n/a	0.08	4.24
	6.2	6.3	0.52	9.8	6.13	0.51	1.63	0	1.63	0	Curb	10	5	Sag	2	0.35	0.02	0.3	n/a	n/a	0.3	1.51		
	6.3	6.4	0.77	11.4	5.83	0.51	2.29	0.42	2.71	0.42	Curb	10	5	Sag	2	0.35	0.02	0.32	n/a	n/a	0.32	2.97		
	6.4	6.5	0.02	9.5	6.19	0.51	1.86	0	1.54	0.42	Curb	10	5	0.01	2	0.35	0.02	0.36	0.21	0.36	0.21	4.52		
	6.5	6.6	0.21	8.3	6.44	0.51	0.98	0.28	0.37	1.89	0	Curb	10	5	Sag	2	0.35	0.02	0.44	0.35	4.73	0.44	8.07	
	9.1	9.2	0.64	10.5	6	0.51	1.96	0	1.96	0	Curb	10	5	Sag	2	0.35	0.02	0.26	n/a	n/a	0.26	1.71		
Existing Storm Water Network at US Inlet	9.2	9.3	0.98	7.6	6.56	0.51	3.3	0	3.3	0	Curb	10	5	Sag	2	0.35	0.02	0.36	n/a	n/a	0.36	5.21		
	10.2	10.2	0.28	11.1	6.08	0.51	1.88	0	1.88	0	Curb	10	5	Sag	2	0.35	0.02	0.15	0.15	---	---	---		
	10.2	10.3	0.7	8.9	6.32	0.51	2.25	0	2.25	0	Curb	10	5	Sag	2	0.35	0.02	0.28	n/a	n/a	0.28	1.88		
	10.3	10.4	0	8.8	0	0.51	0	---	---	---	None	---	---	---	---	---	---	---	---	---	---	---		
	10.4	51.1	0.69	8.1	6.49	0.51	2.28	0	2.28	0	Curb	10	5	Sag	2	0.35	0.02	0.28	n/a	n/a	0.28	1.9		
	51.1	51.2	0.1	6.1	6.51	0.51	0.89	0	0.89	0	Curb	10	5	Sag	2	0.35	0.02	0.41	n/a	n/a	0.41	7.45		
	51.2	51.1	0.57	8	6.51	0.51	1.89	0	1.89	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.14	n/a	n/a	0.14	7.01	
	51.1	51.3	0.7	6.5	6.87	0.51	2.45	0	2.45	0	Curb	10	5	Sag	2	0.35	0.02	0.3	n/a	n/a	0.3	1.99		
	51.3	51.4	0	0	0	0	0	---	---	---	MH	---	---	---	---	---	---	---	---	---	---	---		
	51.4	56.1	1.09	8.8	6.34	0.51	3.52	0	3.52	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.21	n/a	n/a	0.21	10.61	
Existing Storm Water Network at US Inlet	56.1	56.2	0.49	8.8	6.34	0.51	1.58	0	1.58	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.12	n/a	n/a	0.12	6.22	
	56.2	56.3	0.91	5.8	7.05	0.51	3.27	0	3.27	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.2	n/a	n/a	0.2	10.1	
	51.1	53.1	0.58	7.1	6.72	0.51	1.89	0	1.89	0	Dr-Curb	10	12	Sag	---	---	0.02	0.02	0.15	n/a	n/a	0.15	7.78	
	53.1	53.2	0.66	7.1	6.72	0.51	2.26	0	2.26	0	Curb	10	5	Sag	2	0.35	0.02	0.28	n/a	n/a	0.28	1.89		
	51.1	57.1	0.65	7.5	6.63	0.51	2.2	0	2.2	0	Curb	10	5	Sag	2	0.35	0.02	0.28	n/a	n/a	0.28	1.85		
	51.1	57.2	0.39	6.1	6.98	0.51	1.89	0	1.89	0	Curb	10	5	Sag	2	0.35	0.02	0.12	0.12	---	---	---		
	11.1	11.2	0.83	6.2	6.94	0.51	1.17	0	1.17	0	Curb	10	5	Sag	2	0.35	0.02	0.18	n/a	n/a	0.18	1.22		
	11.3	51.6	1.13	6.2	6.94	0.51	4	0	4	0	Curb	10	5	Sag	2	0.35	0.02	0.41	n/a	n/a	0.41	7.71		
	11.1	11.2	0.7	10.1	6.07	0.51	2.17	0	2.17	0	Curb	10	5	Sag	2	0								

ID	D5 Inlet	U5 Inlet	Structure Type	Length(ft)	Incr.Area (sq ft)	TotalArea (sq ft)	RunoffCoeff.	IntTime (min)	10 Year Storm Slope										HGLDn (ft)	HGLUp (ft)
									TimeConc (min)	TotalRunoff (cfs)	TotalFlow (cfs)	Capacitl (cfs)	Veloc (ft/s)	PipeSize (in)	PipeSlope (%)	Inv ElevDn (ft)	Inv ElevUp (ft)	HGLDn (ft)		
Existing Stormwater Infrastructure	8.1	8.2	Curb Inlet	352.43	0.13	0.3	11.62	0.5	18.7	27.82	27.82	2.21	2.21	886.5	886.5	991.991	991.991	992.08		
	8.2	8.3	Curb Inlet	66.48	0.13	0.5	0.51	0.5	9.7	7.84	7.84	15.77	5.44	24	2.26	888.5	991	990.71		
	8.3	8.4	Curb Inlet	74	0.1	0.1	0.51	0.51	8.2	8.2	0.33	0.33	13.56	1.41	15	4.41	991.5	993	992.08	
	8.4	7.1	Curb Inlet	30.76	0.26	0.07	0.51	0.51	9.8	18.4	21.74	21.74	17.33	7.17	36	4.24	889.5	992.5	990.71	
	7.2	7.1	Curb Inlet	349.26	0.06	0.71	1.14	0.5	19	14.01	14.01	7.48	7.48	2.01	2.01	991.5	994	994.28		
	7.2	7.3	Curb Inlet	71.78	0.1	0.74	0.51	0.62	18.88	18.58	18.58	56.66	4.47	36	1.89	996.5	997.5	998.38		
	EX M6.3	EX M6.4	Field	154.54	0.81	2.54	0.51	5	18.6	18.43	18.43	54.64	4.41	36	0.67	998	998.93	997.88		
	EX M6.3	EX M6.4	Field	105.3	1.6	1.2	0.67	0.5	18.6	18.49	18.49	40.6	5.7	36	0.5	999	1000.25	999.28		
	EX M6.5	EX M6.6	Field	282.2	0.84	5.53	0.51	10.4	17.6	13.83	13.83	5.41	6.75	16	0.99	999.59	1001.35	1000.71		
	EX M6.4	EX M6.5	Curb Inlet	31.07	0.64	0.64	0.51	10.7	10.7	1.34	1.94	15.97	6.29	15	6.12	1005.1	1005	1003.4		
Existing Stormwater Infrastructure	EX M6.4	EX M6.3	Manhole	124.5	0	0.441	0.51	8	17.33	11.14	11.14	51.54	5.42	36	0.6	1003.85	1002.6	1002.8		
	EX M6.3	EX M6.2	Field	89.33	0.79	4.41	0.51	11.7	11.7	13.12	13.12	43.75	5.72	15	0.165	999.5	1000.25	999.28		
	EX M3.2	EX M3.3	Field	170.38	0.95	3.62	0.51	16.6	16.6	9.3	9.3	31.71	5.29	30	0.6	1001.85	1004.87	1004.78		
	EX M3.4	EX M3.4	Field	168.99	1.79	2.67	0.51	14.6	14.6	7.23	7.23	17.57	5.11	24	0.6	1005.12	1006.14	1006.09		
	EX M3.3	EX M3.3	Field	170.61	0.72	0.72	0.51	7	7	2.48	2.48	8.12	5.42	18	0.6	1006.39	1007.41	1007.09		
	EX M3.1	EX M3.1	Field	120.5	1.16	1.16	0.51	3.9	3.9	7.49	7.49	36.34	10.72	15	0.145	999.54	1000.25	999.28		
	7.1	32.1	Curb Inlet	34.05	1.11	1.11	0.51	7.6	7.6	3.74	3.74	8.73	4.1	15	1.47	993.5	994	994.28		
	8.3	34.1	Curb Inlet	93.81	0.72	2.27	0.51	9.5	9.5	7.17	7.17	15.56	7.06	18	2.2	996.86	998.92	997.58		
	S4.1	S4.2	Curb Inlet	213.38	0.38	1.55	0.51	6.1	5.51	5.51	15.99	4.85	18	2.3	999.02	1003.91	999.96			
	S4.2	S4.2	Curb Inlet	137.86	0.99	0.99	0.51	5.6	5.6	8.44	8.44	4.57	15	1.22	998.5	999.5	999.5			
Existing Stormwater Infrastructure	S4.2	S5.1	Curb Inlet	34	0.22	0.22	0.51	5.7	5.7	0.79	0.79	8.79	3.64	15	1.85	1004.58	1005.21	1004.83		
	1.1	1.2	Field Inlet	338.71	0.14	0.64	0.5	5	15.4	28.21	28.21	63.29	5.59	36	0.9	987	990.05	989.22		
	1.2	1.3	Field Inlet	69.34	0.62	10.53	0.51	8.7	15.3	27.97	27.97	168.86	8.56	36	6.42	990.57	996.71	995.92		
	1.3	1.4	Field Inlet	243.87	0.5	9.33	0.51	14.8	15.8	33.09	33.09	113.17	8.96	36	2.79	995.5	1002.3	1003.92		
	1.4	1.5	Curb Inlet	299.4	1.11	3.36	0.51	7.4	10	10.43	10.43	51.27	6.67	30	1.57	1003.8	1007.87	1004.57		
	1.5	1.6	Curb Inlet	34	0.14	3.25	0.51	6.8	9.9	10.43	10.43	41.29	8.36	24	3.82	1003.77	1009.5	1009.05		
	1.6	1.7	Curb Inlet	49.92	0.32	9.92	0.51	9.7	9.7	9.74	9.74	2.63	15	2.15	1001.49	1007.25	1006.4			
	1.9	2.1	Curb Inlet	113.05	0.21	0.56	0.51	7.9	9.7	1.76	1.76	2.56	15	3.14	996.75	1000.3	996.71			
	2.1	2.2	Curb Inlet	44.79	0.35	0.35	0.51	9.5	9.5	1.11	1.11	6.35	15	1	1000.8	1001.25	1001.15			
	1.4	3.1	Curb Inlet	113.05	0.25	5.47	0.51	9.9	14.4	14.89	14.89	28.88	5.53	30	0.53	1003.3	1003.9	1003.95		
Existing Stormwater Infrastructure	3.1	3.2	Curb Inlet	39.06	0.51	4.06	0.51	16.2	16.2	16.2	16.2	0.15	10.4	0.03	1000.4	1000.4	1000.4			
	3.2	3.3	Curb Inlet	104.74	0.78	4.14	0.51	10.1	13.9	11.44	11.44	35	5.83	30	0.53	1003.3	1003.4	1006.28		
	3.3	3.4	Curb Inlet	49.56	0.56	0.31	0.29	9.51	9.1	11.7	8.54	8.54	19.01	5.53	24	0.71	1006.9	1007.25	1007.84	
	3.4	3.5	Curb Inlet	92.41	0.22	0.57	0.51	12.4	12.4	1.64	1.64	9.57	15	2.2	1004.4	1011.5	1009.2			
	1.2	4.1	Curb Inlet	39.06	0.3	0.39	0.39	8.8	8.8	1.13	1.13	1.88	15	1.47	1001.49	1007.25	1007.84			
	3.4	5.1	Curb Inlet	399.59	0.12	0.46	0.51	12.4	12.4	1.33	1.33	6.79	3.79	15	1.1	1007.75	1011.5	1008.13		
	5.1	5.2	Curb Inlet	34	0.34	0.12	0.51	8.1	8.1	0.4	0.4	7.83	2.84	15	1.47	1012	1012.5	1012.9		
	3.4	M5.1	Curb Inlet	48.6	0.56	2.59	0.51	11.1	11.6	7.65	7.65	21.6	5.54	24	0.92	1007.75	1008.15	1008.57		
	M5.1	M1.2	44	0.4	0.56	0.19	0.19	1.69	1.69	1.69	1.69	0.03	10.4	0.03	1000.4	1000.4	1000.4			
	M1.2	M2.1	Manhole	52.28	0	1.47	0	0	11	4.43	4.43	8.7	6.05	15	1.82	1006.65	1006.6	1009.28		
Existing Stormwater Infrastructure	M2.1	M2.2	Field Inlet	144.79	0.69	1.47	0.51	9.9	10.5	4.49	4.49	5	5.39	15	0.73	1010.1	1011.5	1010.96		
	M2.2	M3.3	Curb Inlet	52.88	0.39	0.78	0.51	10.1	10.2	2.4	2.4	9.53	3.39	15	0.8	1011.35	1012.5	1012.96		
	M2.1	M3.2	Field	34.4	0.38	0.38	0.51	10.1	10.1	2.8	2.8	1.1	1.1	1.1	1.1	1011.35	1012.5	1012.96		
	1.7	Future	Future Pipe	50	2.78	2.78	0.51	9.6	9.6	8.75	8.75	26.2	5.97	24	1	1013	1013.5	1013.86		
	6.1	6.2	Field Inlet	45.43	0.24	3.36	0.51	5	11.9	9.83	9.83	7.79	5.98	18	0.55	988	988.25	989.24		
	6.3	6.3	Curb Inlet	146.21	0.52	3.18	0.51	11.8	11.8	2.5	2.5	15.56	5.72	15	0.88	992.25	992.25	992.25		
	6.3	6.4	Curb Inlet	34	0.77	2.6	0.51	11.4	11.4	7.73	7.73	2.9	5.71	18	0.74	992.5	992.75	993.83		
	6.4	6.5	Curb Inlet	77.13	0.62	1.83	0.51	9.5	9.5	5.78	5.78	12.29	7.12	15	3.57	993.25	996	993.86		
	6.5	6.6	Curb Inlet	35.92	1.21	1.21	0.51	8.3	8.3	3.98	3.98	7.84	5.58	15	1.47	997.25	997.75	997.88		
	6.6	6.7	Curb Inlet	197.17	0.64	1.62	0.51	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	998	998.5	998.56		
Existing Stormwater Infrastructure	9.2	9.3	Curb Inlet	33.53	0.58	0.98	0.51	7.6	7.6	3.3	3.3	9.66	4.83	18	1.49	985.5	986.25	986.14		
	10.1	10.2	Curb Inlet	143.08	0.28	10.27	0.51	11.1	11.9	30.12	30.12	147.08	7.73	48	1.05	980	981.5	981.23		
	10.2	10.3	Curb Inlet	34.71	0.7	0.99	0.51	8.9	11.8	29.37	29.37	133.54	7.37	48	0.86	982.5	982.8	983.78		
	10.3	10.4	No Structure	124.42	0	9.24	0.51	11.7	27.85	27.85	2.35	2.35	16	0.88	1.1	981.5	981.5	981.5		
	10.4	11.1	Curb Inlet	149.22	0.69	9.29	0.51	8.1	21.6	27.6	27.6	70.34	8.02	36	1.11	986.59	988.25	987.9		
	11.1	11.2	Curb Inlet	34.01	1.1	1.736	0.51	6	11.3	21.93	21.93	79.23	6.31	36	1.41	988.49	988.97	989.85		
	11.2	11.3	Field Inlet	138	0.57	6.26	0.51	8	11.1	18.81	18.81	100.5	8.25	36	2.27	988.93	992.6	990.47		
	11.3	11.4	Curb Inlet	134	0.7	5.04	0.51	12.9	15.29	15.29	15.29	64.86	8.88	36	1.93	988.4	988.4	988.4		
	11.3	11.4	Manhole	207.64	0	3.21	0	0	10.2	9.9	27.14	6.7	24	1.44	999.11	1002.1	999.95			
	11.4	11.5	Curb Inlet	201.27	1.09	2.49	0.51	8.8	9.6	7.83	7.83	8.76	5.6	18	0.7	1003.56	1004.96	1006.07		
Existing Stormwater Infrastructure	15.1	15.2	Field Inlet	185	0.44	4.53	0.51	8.8	8.8	4.52	4.52	4.66	3.69	15	0.57	1003.51	1003.51	1003.51		
	15.2	15.3	Field Inlet	187.01	0.91	0.91	0.51	2.8	3.2	3.2	3.2	3.2	3.2	3.2	3.2	1002.28	1007.08	1007.08		
	15.1	15.3	Curb Inlet	225.46	0.58	1.24	0.51	7.1	7.2	4.23	4.23	12.31	6.09	15	3.63	989.35	997.54	989.35		
	15.3	15.3	Curb Inlet	34.01	0.66	0.66	0.51	7.1	7.1	2.26	2.26	11.61	4.04	15	3.23	997.8	998.9	998.37		
	15.3	15.3	Curb Inlet	34.01	0.66	0.66	0.51	7.1	7.1	2.26	2.26	11.61	4.04	15	3.23	997.8	998.9	998.37		
	15.4	15.4	Curb Inlet	34.01	0.66	0.66	0.51	7.1	7.1	2.26	2.26	11.61	4.04	15	3.23	997.8	998.9	998.37		
	11.1	12.1	Curb Inlet	107.74	0.39	0.72	0.51	6.2	6.4	2.53	2.53	13.64	4.26	15	4.46	1002.91	1007.45	1005.28		
	11.1	12.2	Curb Inlet	52.71	0.33	0.33	0.51	6.2	6.2	1.17	1.17	19.8	6.27	15	2.3	1007.83	1009.04	1008.12		
	11.3	11.6	Curb Inlet	34.01	1.13	1.13	0.51	6.2	6.2	4	4	19.15	8.55	15	8.79	999.11	1002.1	1002.91		
	11.1	11.2	Curb Inlet	34.01	0.97	0.7	0.51	10.1	10.1	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29		
Existing Stormwater Infrastructure	11.2	11.3	Curb Inlet	39.13	2.3	2.3	0.51	10	7.15	7.15	7.15	8.26	18	1.28	978.25	978.75	990.99			



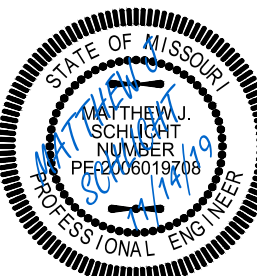
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

Project:
MANOR AT
STONEY CREEK

Issue Date:
July 18, 2017

10 Year Storm Sewer Tables
Construction Plans for:
The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlich
MO PE 200601970
KS PE 19071
OK PE 25226

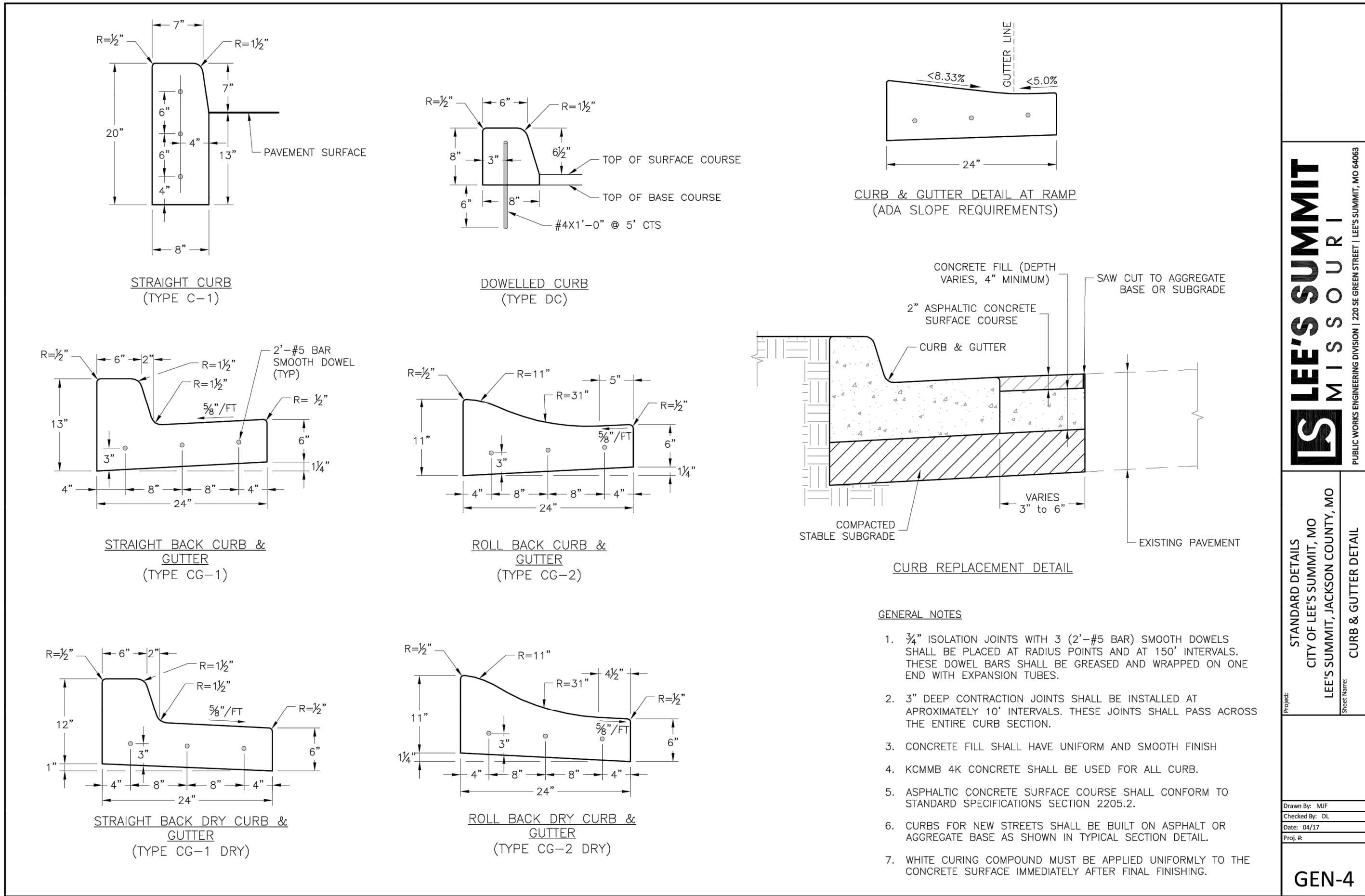
REVISIONS

0.04 (10) 1 = 0.03

"AS-BUILT"

900.10
900.00 Indicates data replaced with "As-Built"
information. All other data is as designed
and has not been field verified.

100 Year Inlet																									
	D/S Inlet	U/S Inlet	Area	InletTime	Inlet	RunoffCoeff	Q-COA	Q-COA	Q-Carry-over	Q-Captured	Q-Bypassed	JunctType	CurbHeight	CurbLength	GutterSlope	GutterWidth	CrossSlope	SubCrossSlope	InletDepth	BypassDepth	BypassSpread	GutterDepth	GutterSpread		
	(in)	(in)	(sq ft)	(min)	(in/hr)	(C)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)		(in)	(ft)	(%/ft)	(ft)	(%/ft)	(%/ft)	(ft)	(ft)	(ft)	(ft)	(ft)		
Existing Storm Pipe Manor at Stoney Creek - 3rd Plat	8.1	8.2	0.1	5	11	0.51	0.56	0	0.48	0.08	0.08	Curb	10	5	0.04	2	0.15	0.02	0.18	0.09	0.57	0.18	1.18		
	8.2	8.3	0.13	5	11	0.51	0.73	0	0.72	0.01	0.01	Curb	10	5	0.01	2	0.15	0.02	0.25	0.05	0.36	0.25	1.68		
	8.3	8.4	0.1	8.2	9.78	0.51	0.5	0	0.5	0	0	Curb	10	5	0.01	2	0.15	0.02	0.22	0	0	0.22	1.46		
	8.2	7.1	0.26	9.8	9.27	0.51	1.23	0.08	1.31	0	0	Curb	10	5	0.01	2	0.15	0.02	0.2	n/a	n/a	0.2	1.31		
	7.1	7.2	0.06	11.4	8.82	0.51	0.27	0	0.27	0	0	Curb	10	5	0.01	2	0.15	0.02	0.17	0	0	0.17	1.16		
	7.2	7.3	0.1	6.2	10.5	0.51	0.54	2.85	2.11	1.28	0	0	Curb	10	5	0.01	2	0.15	0.02	0.42	0.31	2.55	0.42	7.83	
	7.3	EX M6.2	0.81	5	11	0.51	4.54	0.99	2.68	2.85	0	0	Curb	10	5	0.01	2	0.15	0.02	0.47	0.4	6.91	0.47	10.54	
	EX M6.2	EX M6.3	1.2	16	7.4	0.51	4.73	0.56	5.3	0	0	Curb	10	5	0.01	2	0.15	0.02	0.5	n/a	n/a	0.5	11.97		
	EX M6.3	EX M6.4	0.48	10.4	9.1	0.51	2.23	0	1.67	0.56	0.56	0.56	Curb	10	5	0.01	2	0.15	0.02	0.37	0.23	1.52	0.37	5.61	
	EX M6.4	EX M6.5	0.64	10.7	9.01	0.51	2.94	0	1.95	0.99	0.99	0.99	Curb	10	5	0.01	2	0.15	0.02	0.4	0.28	1.88	0.4	7.08	
Existing Storm Pipe Manor at Stoney Creek - 3rd Plat	EX M6.4	EX M6.1	0	8	0	0.51	0	0	0	0	0	MH	10	12	0.01	2	0.15	0.02	0.19	n/a	n/a	0.19	48.55		
	EX M6.1	EX M3.2	0.79	8	9.85	0.51	3.97	0	3.97	0	0	Dep-Curb	10	4	2.47	0.02	0.02	0.02	0.97	n/a	n/a	0.97	48.55		
	EX M3.2	EX M3.3	0.95	16.6	7.61	0.51	3.69	0	3.69	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.22	n/a	n/a	0.22	10.94		
	EX M3.3	EX M3.4	0.99	14.6	8.03	0.51	3.24	0	3.24	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.2	n/a	n/a	0.2	10.03		
	EX M3.4	EX M3.5	0.72	7	10.2	0.51	3.75	0	3.75	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.22	n/a	n/a	0.22	11.05		
	EX M3.5	EX M6.1	1.16	7	10.2	0.51	6.04	0	6.04	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.3	n/a	n/a	0.3	15.19		
	7.1	12.1	1.11	7.6	9.99	0.51	5.65	4.26	9.92	0	0	Curb	10	8	0.01	2	0.15	0.02	0.55	n/a	n/a	0.55	14.73		
	8.3	54.1	0.72	9.5	9.36	0.51	3.44	0	3.44	0	0	Curb	10	5	0.01	2	0.15	0.02	0.37	n/a	n/a	0.37	5.72		
	54.1	54.2	0.98	5.7	10.7	0.51	2.07	0	2.07	0	0	Curb	10	5	0.01	2	0.15	0.02	0.27	n/a	n/a	0.27	1.28		
	54.2	54.3	0.95	5.6	10.74	0.51	5.21	0	5.21	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.28	n/a	n/a	0.28	13.77		
Existing Storm Pipe Manor at Stoney Creek - 3rd Plat	54.2	55.1	0.22	5.7	10.7	0.51	1.2	0	1.2	0	0	Curb	10	5	0.01	2	0.15	0.02	0.19	n/a	n/a	0.19	1.24		
	1.1	1.2	0.13	5	11	0.5	0.71	0	0.71	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.07	n/a	n/a	0.07	3.66		
	1.2	1.3	0.02	8.7	9.62	0.51	3.98	0.16	3.2	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.2	n/a	n/a	0.2	9.95		
	1.3	1.4	0.5	9.3	9.43	0.51	2.4	1.05	3.45	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.21	n/a	n/a	0.21	10.46		
	1.4	1.5	0.11	7.4	10.06	0.51	0.56	0	0.56	0	0	Curb	10	5	0.01	2	0.15	0.02	0.23	0	0.02	0.23	1.53		
	1.5	1.6	0.14	6.8	10.28	0.51	0.73	0	0.72	0.01	0.01	Curb	10	5	0.01	2	0.15	0.02	0.25	0.06	0.37	0.25	1.69		
	1.6	1.7	0.33	9.6	9.33	0.51	1.57	0	1.57	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.12	n/a	n/a	0.12	6.19		
	1.3	2.1	0.21	7.9	9.88	0.51	1.06	0.29	1.18	0.16	0.16	Curb	10	5	0.01	2	0.15	0.02	0.32	0.14	0.96	0.32	2.85		
	2.1	2.2	0.35	9.5	9.36	0.51	1.67	0	1.38	0.29	0.29	Curb	10	5	0.01	2	0.15	0.02	0.34	0.18	1.19	0.34	4.06		
	1.4	3.1	0.25	9.9	9.24	0.51	1.39	1.86	1.99	1.05	1.05	Curb	10	5	0.01	2	0.15	0.02	0.4	0.29	1.93	0.4	7.25		
Existing Storm Pipe Manor at Stoney Creek - 3rd Plat	3.1	3.2	0.51	9.8	9.27	0.51	2.41	1.61	2.3	1.72	0	0	Curb	10	5	0.01	2	0.15	0.02	0.44	0.34	4.22	0.44	8.76	
	3.2	3.3	0.78	10.1	9.48	0.51	3.65	0.21	2.26	1.61	0	0	Curb	10	5	0.01	2	0.15	0.02	0.43	0.34	3.86	0.43	8.54	
	3.3	3.4	0.91	9.1	9.49	0.51	1.5	0	1.5	0	0	Curb	10	5	0.01	2	0.15	0.02	0.22	n/a	n/a	0.22	1.44		
	3.1	4.1	0.22	12.4	8.56	0.51	0.96	0.3	1.13	0.14	0.14	Curb	10	5	0.01	2	0.15	0.02	0.31	0.18	0.89	0.31	2.5		
	4.1	4.2	0.35	8.8	9.58	0.51	1.71	0	1.41	0.3	0.3	Curb	10	5	0.01	2	0.15	0.02	0.34	0.18	1.21	0.34	4.19		
	3.4	5.1	0.34	12.4	8.56	0.51	1.48	0	1.27	0.21	0.21	Curb	10	5	0.01	2	0.15	0.02	0.33	0.16	1.06	0.33	3.41		
	5.1	5.2	0.12	8.1	9.81	0.51	0.6	0	0.6	0	0	Curb	10	5	0.01	2	0.15	0.02	0.23	0.02	0.14	0.23	1.56		
	3.4	M1.1	0.56	11.6	8.76	0.51	2.5	0	2.5	0	0	Curb	10	5	0.01	2	0.15	0.02	0.3	n/a	n/a	0.3	2.15		
	M1.1	M1.2	0.4	10.9	8.95	0.51	2.56	0	2.56	0	0	Curb	10	5	0.01	2	0.15	0.02	0.31	n/a	n/a	0.31	2.36		
	M1.2	M2.1	0	0	0	0	0	0	0	0	0	MH	10	12	0.01	2	0.15	0.02	0.36	n/a	n/a	0.36	5.04		
Existing Storm Pipe Manor at Stoney Creek - 3rd Plat	M2.1	M2.2	0.69	9.9	9.24	0.51	3.25	0	3.25	0	0	Dep-Curb	10	5	0.01	2	0.15	0.02	0.36	n/a	n/a	0.36	5.04		
	M2.2	M2.3	0.39	10.1	9.18	0.51	1.83	0	1.83	0	0	Curb	10	5	0.01	2	0.15	0.02	0.25	n/a	n/a	0.25	1.64		
	M2.3	M2.4	0.39	10.1	9.18	0.51	1.83	0	1.83	0	0	Curb	10	5	0.01	2	0.15	0.02	0.25	n/a	n/a	0.25	1.64		
	1.7	Future	2.78	9.6	9.33	0.51	13.23	0	13.23	0	0	HDWall	10	12	0.01	2	0.15	0.02	0.11	n/a	n/a	0.11	5.58		
	6.1	6.2	0.24	5	11	0.51	1.35	0	1.35	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.11	n/a	n/a	0.11	5.58		
	6.2	6.3	0.52	9.8	9.27	0.51	2.46	0	2.46	0	0	Curb	10	5	0.01	2	0.15	0.02	0.3	n/a	n/a	0.3	2.5		
	6.3	6.4	0.77	11.4	8.82	0.51	3.46	1	4.46	0	0	Curb	10	5	0.01	2	0.15	0.02	0.45	n/a	n/a	0.45	9.27		
	6.4	6.5	0.62	9.5	9.36	0.51	2.96	0	1.96	1	1	Curb	10	5	0.01	2	0.15	0.02	0.4	0.28	1.89	0.4	7.12		
	6.5	6.6	1.21	8.3	9.75	0.51	6.01	1.28	3.04	4.25	0	0	Curb	10	5	0.01	2	0.15	0.02	0.5	0.44	9.07	0.5	12.18	
	9.1	9.2	0.64	10.5	9.07	0.51	2.96	0	2.96	0	0	Curb	10	5	0.01	2	0.15	0.02	0.34	n/a	n/a	0.34	3.94		
Existing Storm Pipe Manor at Stoney Creek - 3rd Plat	9.2	9.3	0.88	7.6	9.99	0.51	4.99	0	4.99	0	0	Curb	10	5	0.01	2	0.15	0.02	0.48	n/a	n/a	0.48	11		
	10.1	10.2	0.28	11.1	8.9	0.51	1.27	0	1.27	0	0	Curb	10	5	0.01	2	0.15	0.02	0.19	n/a	n/a	0.19	1.28		
	10.2	10.3	0.7	8.9	9.55	0.51	3.41	0	3.41	0	0	Curb	10	5	0.01	2	0.15	0.02	0.37	n/a	n/a	0.37	5.61		
	10.3	10.4	0	8.8	0	0.51	0	0	0	0	0	None	10	12	0.01	2	0.15	0.02	0.19	n/a	n/a	0.19	1.28		
	10.4	51.1	0.69	8.1	9.81	0.51	3.45	0	3.45	0	0	Curb	10	5	0.01	2	0.15	0.02	0.38	n/a	n/a	0.38	5.77		
	51.1	51.2	1.1	6	10.58	0.51	5.94	0	5.94	0	0	Curb	10	5	0.01	2	0.15	0.02	0.54	n/a	n/a	0.54	13.95		
	51.2	51.1	0.57	8	9.18	0.51	2.86	0	2.86	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.18	n/a	n/a	0.18	6.28		
	51.1	51.3	0.7	6.5	10.39	0.51	3.71	0	3.71	0	0	Curb	10	5	0.01	2	0.15	0.02	0.39	n/a	n/a	0.39	6.69		
	51.3	51.4	0	0	0	0	0	0	0	0	0	MH	10	12	0.01	2	0.15	0.02	0.19	n/a	n/a	0.19	48.55		
	51.4	56.1	1.09	8.8	9.58	0.51	5.33	0	5.33	0	0	Dep-Curb	10	12	0.01	2	0.15	0.02	0.28	n/a	n/a	0.28	13.98		
Existing Storm Pipe Manor at Stoney Creek - 3rd Plat	56																								



LEE'S SUMMIT MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 1203 SE GREEN STREET | LEE'S SUMMIT, MO 64083

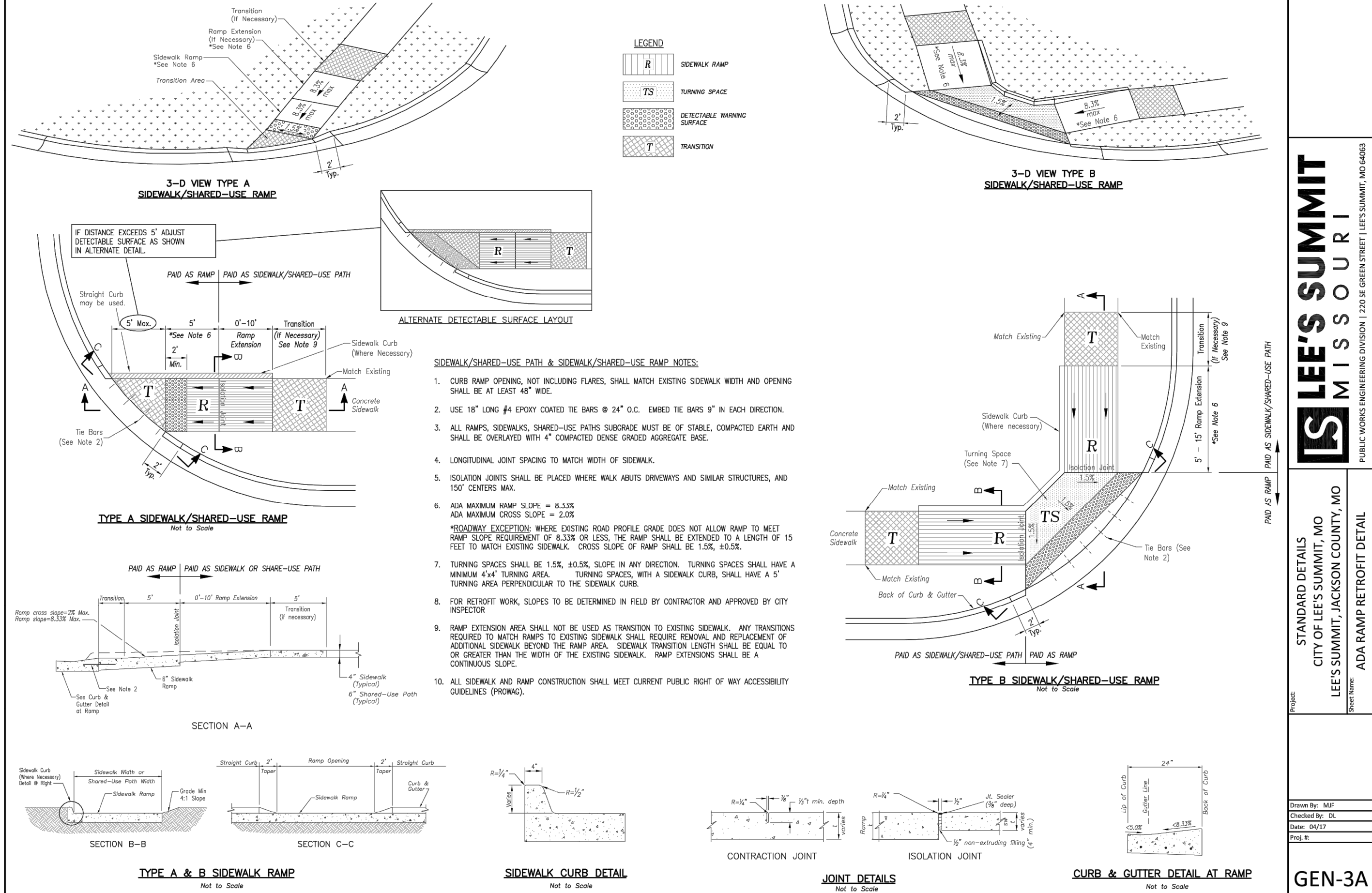
STANDARD DETAILS

CITY OF LEE'S SUMMIT, MO

LEE'S SUMMIT, JACKSON COUNTY, MO

ADA RAMP RETROFIT DETAIL

GEN-4



LEE'S SUMMIT MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 1203 SE GREEN STREET | LEE'S SUMMIT, MO 64083

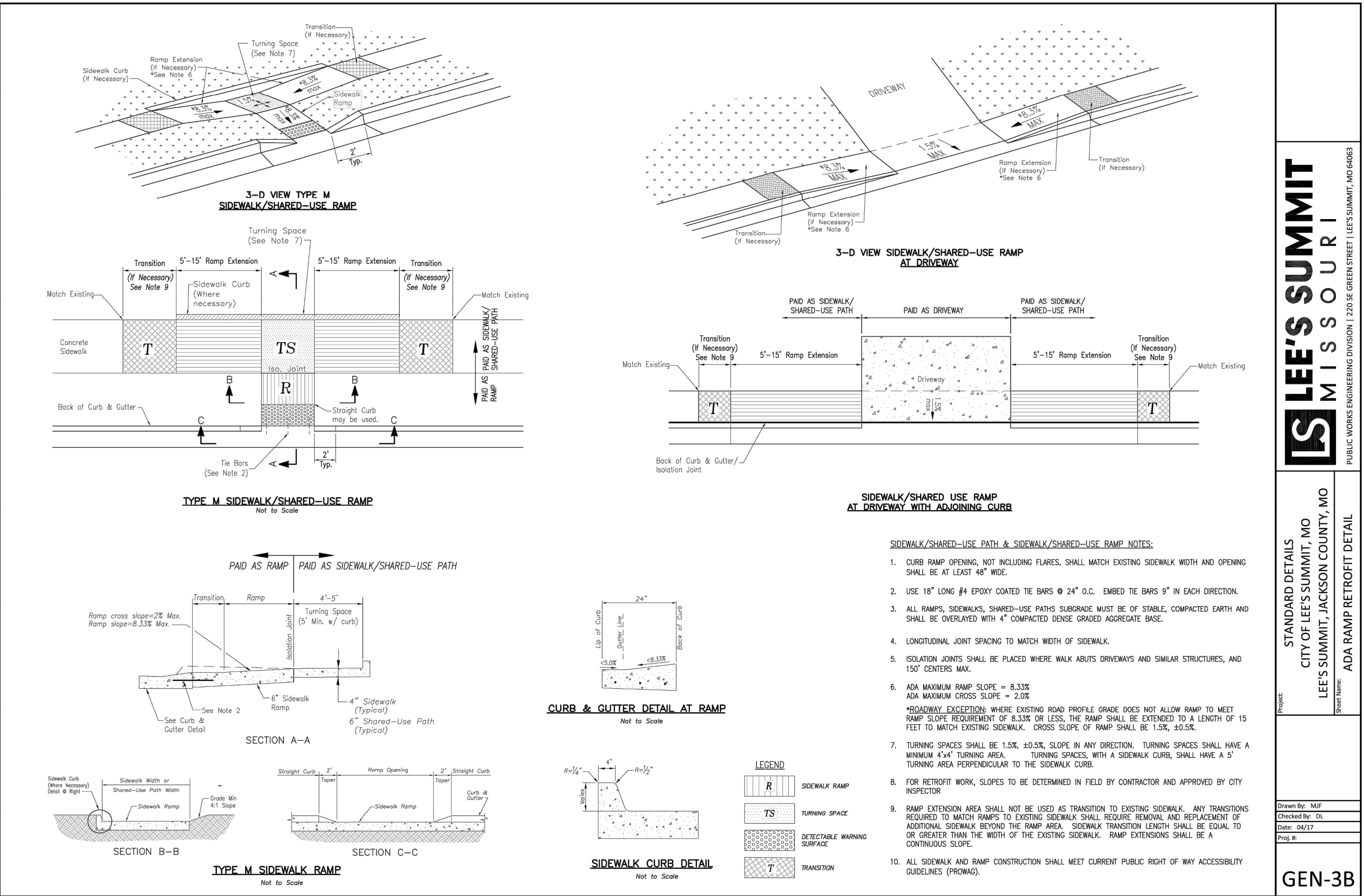
STANDARD DETAILS

CITY OF LEE'S SUMMIT, MO

LEE'S SUMMIT, JACKSON COUNTY, MO

ADA RAMP RETROFIT DETAIL

GEN-3A



LEE'S SUMMIT MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 1203 SE GREEN STREET | LEE'S SUMMIT, MO 64083

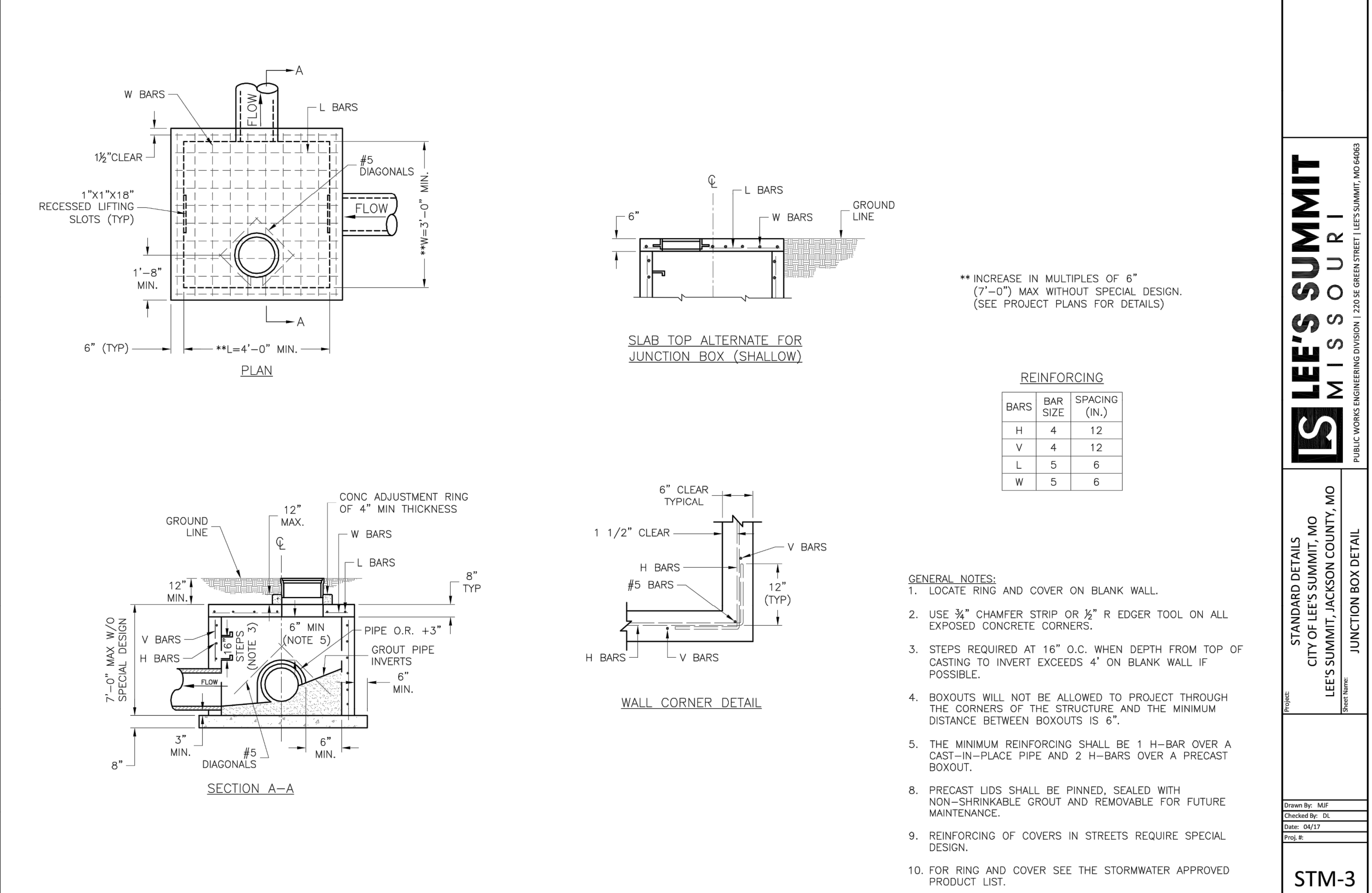
STANDARD DETAILS

CITY OF LEE'S SUMMIT, MO

LEE'S SUMMIT, JACKSON COUNTY, MO

ADA RAMP RETROFIT DETAIL

GEN-3B



LEE'S SUMMIT MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 1203 SE GREEN STREET | LEE'S SUMMIT, MO 64083

STANDARD DETAILS

CITY OF LEE'S SUMMIT, MO

LEE'S SUMMIT, JACKSON COUNTY, MO

JUNCTION BOX DETAIL

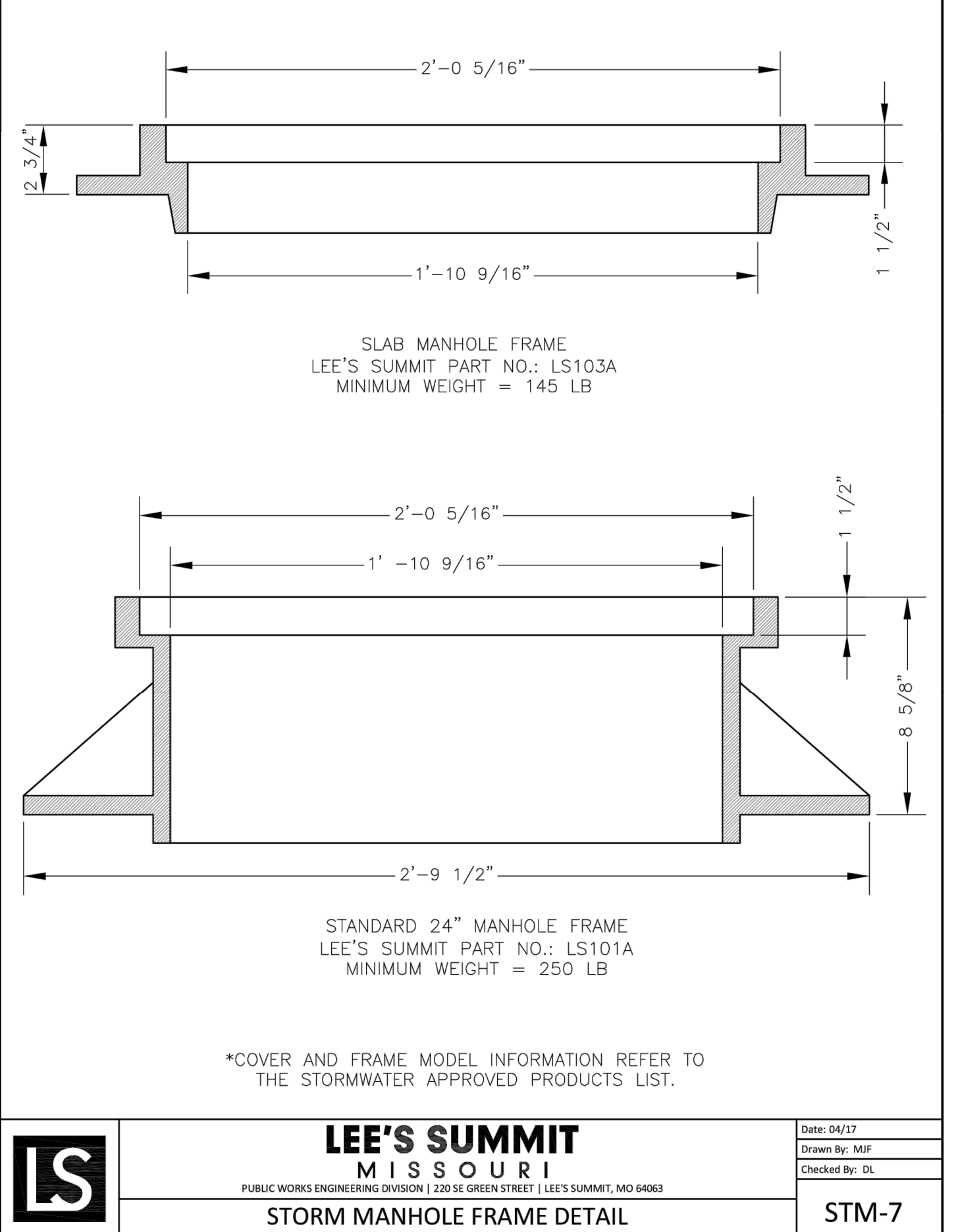
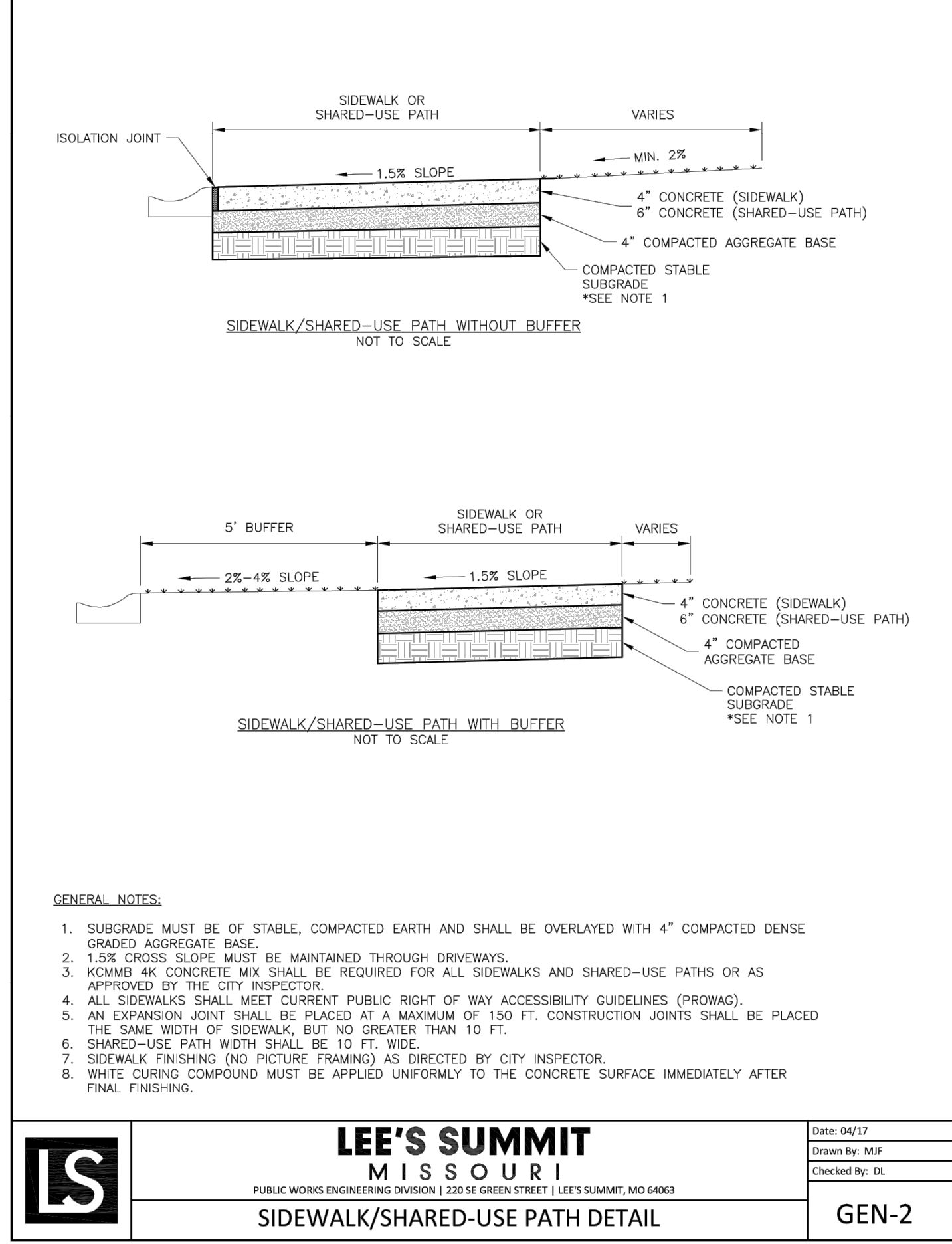
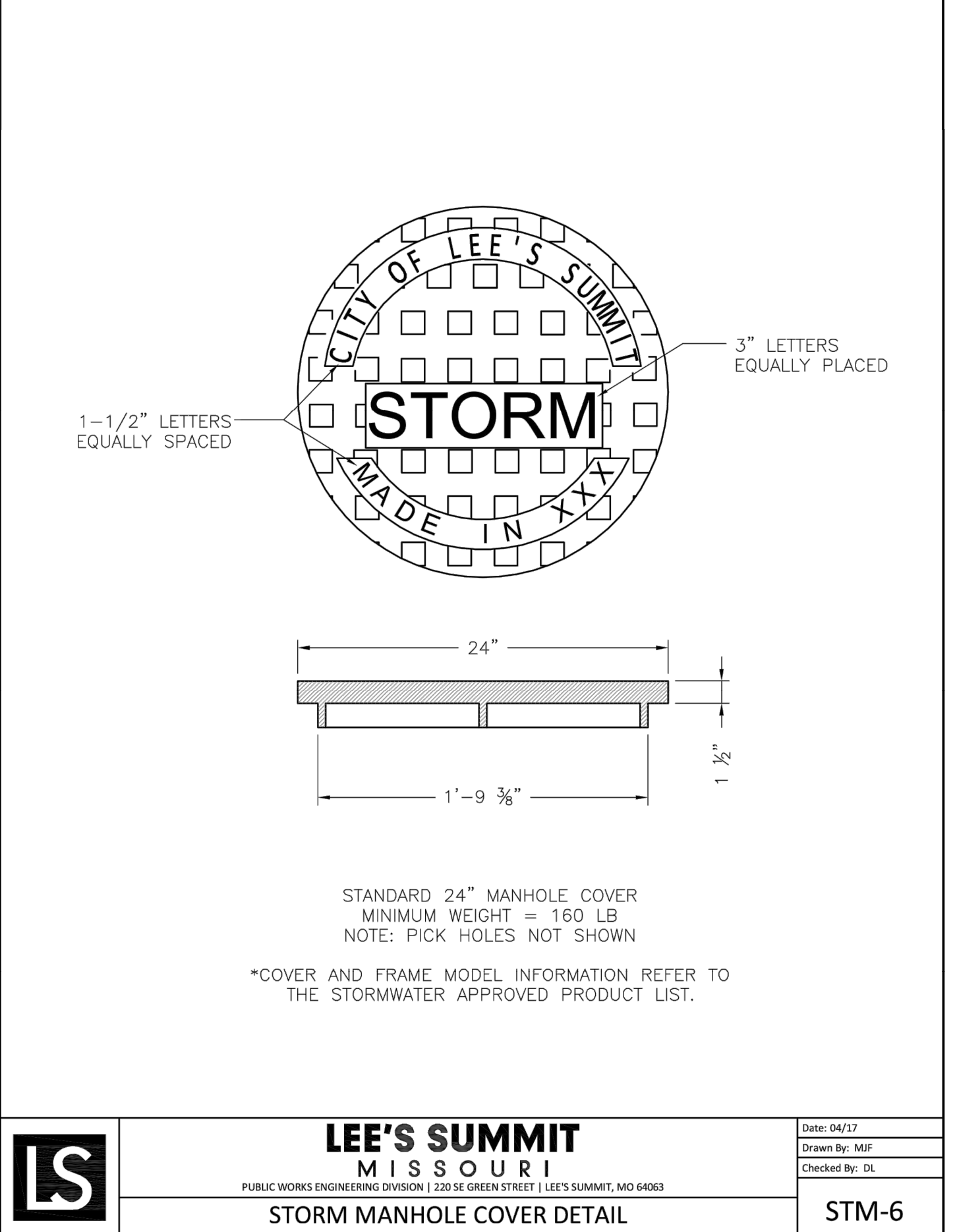
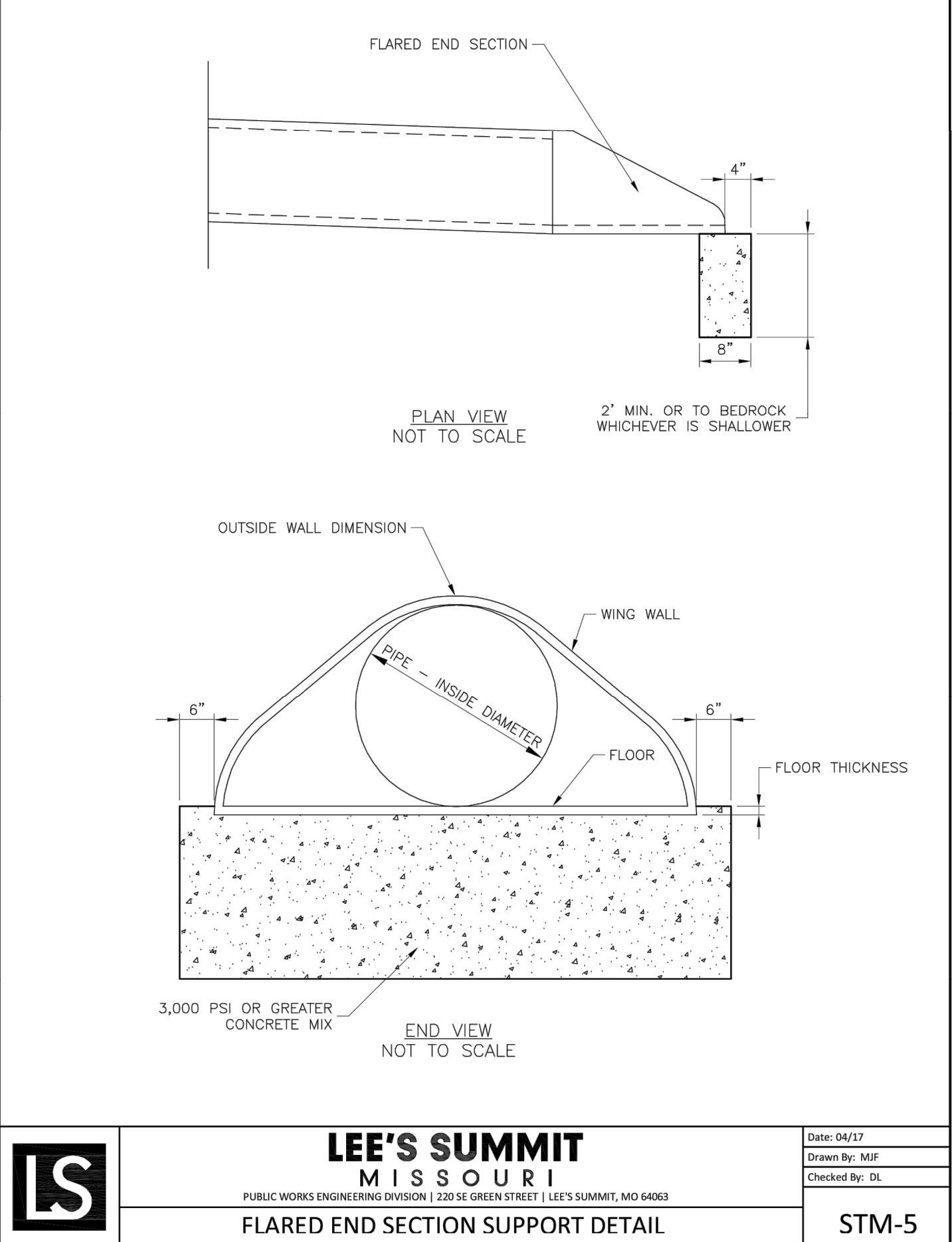
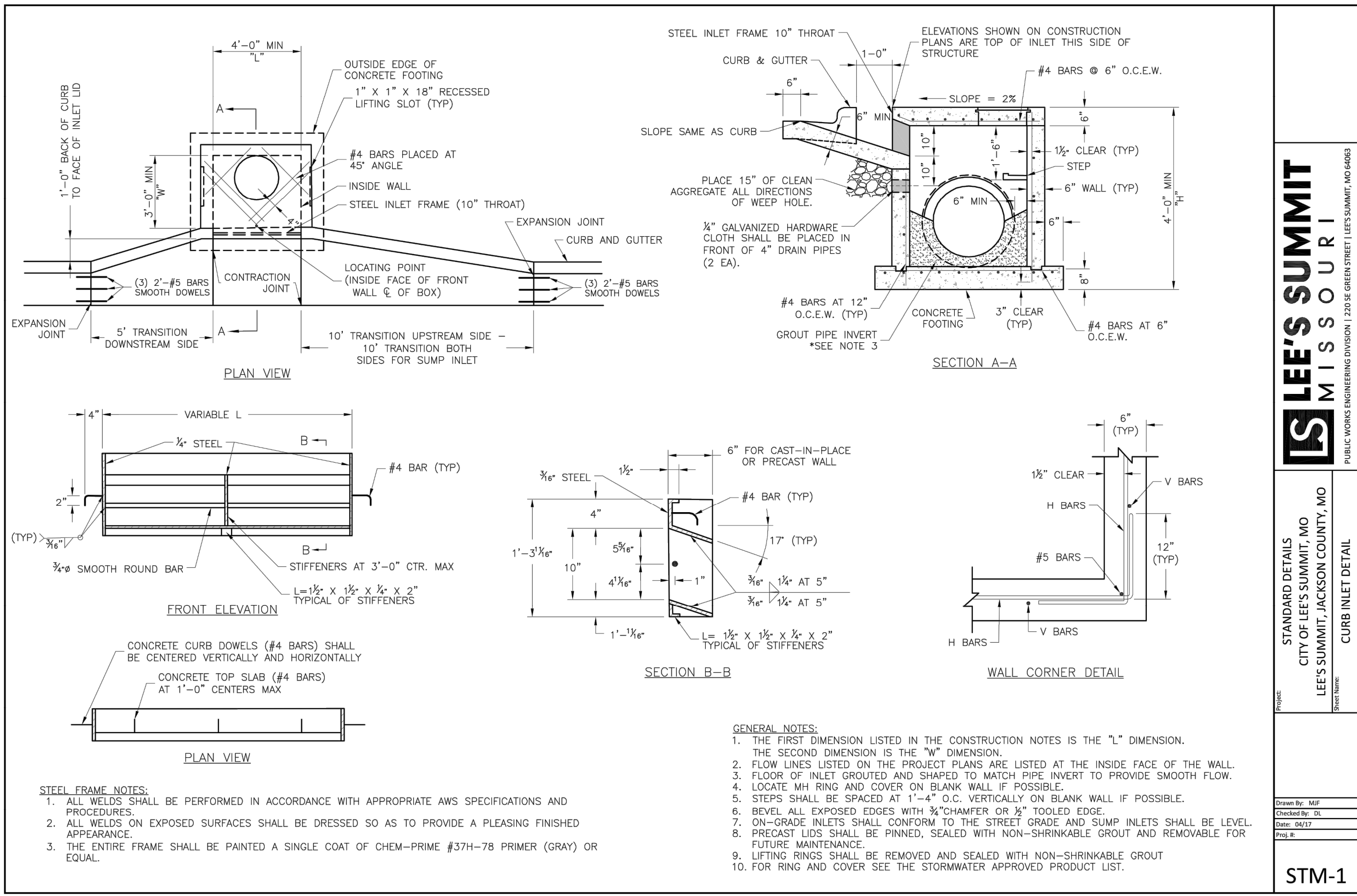
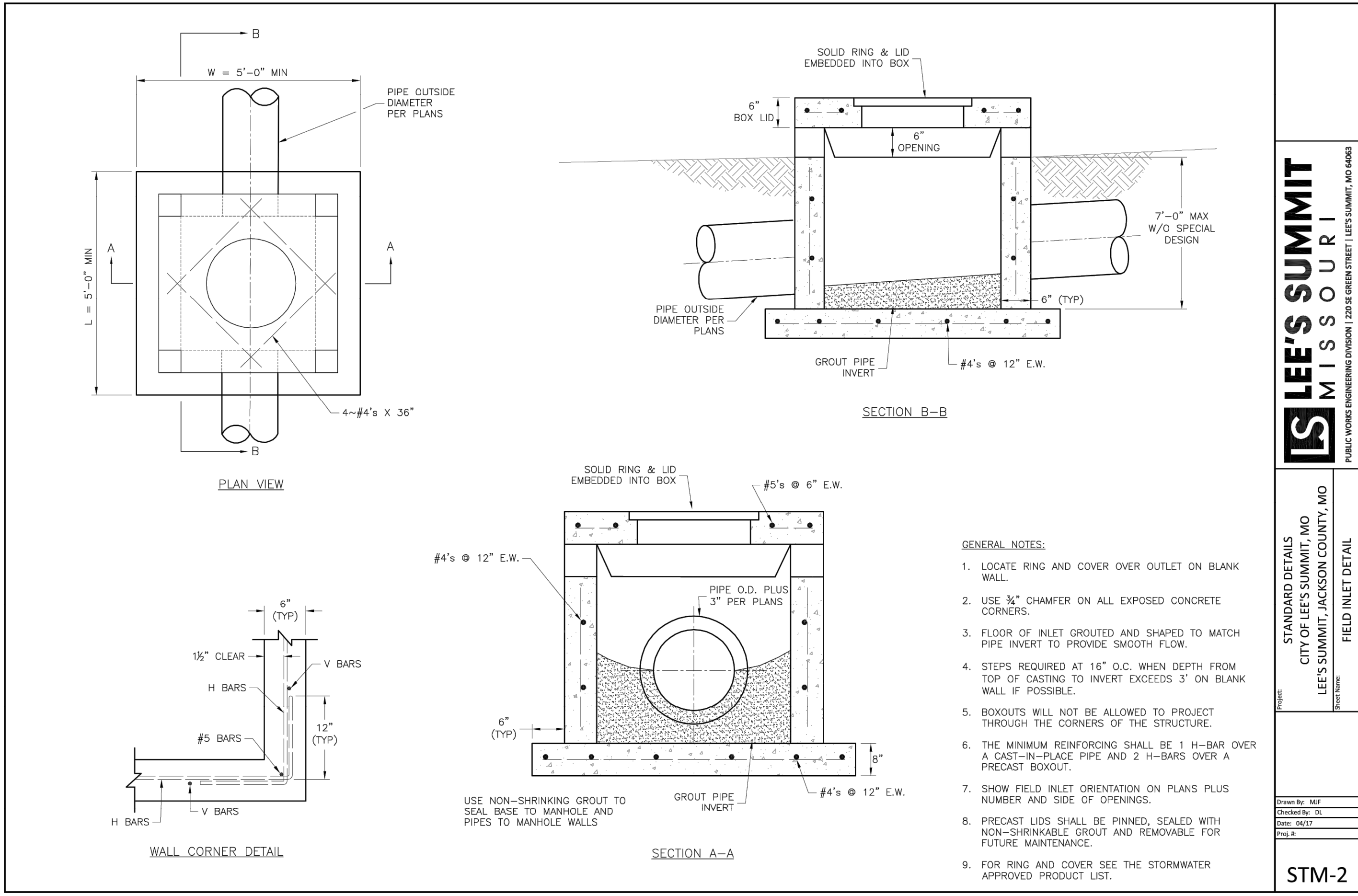
STM-3

GENERAL NOTE:

1 ~ ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.

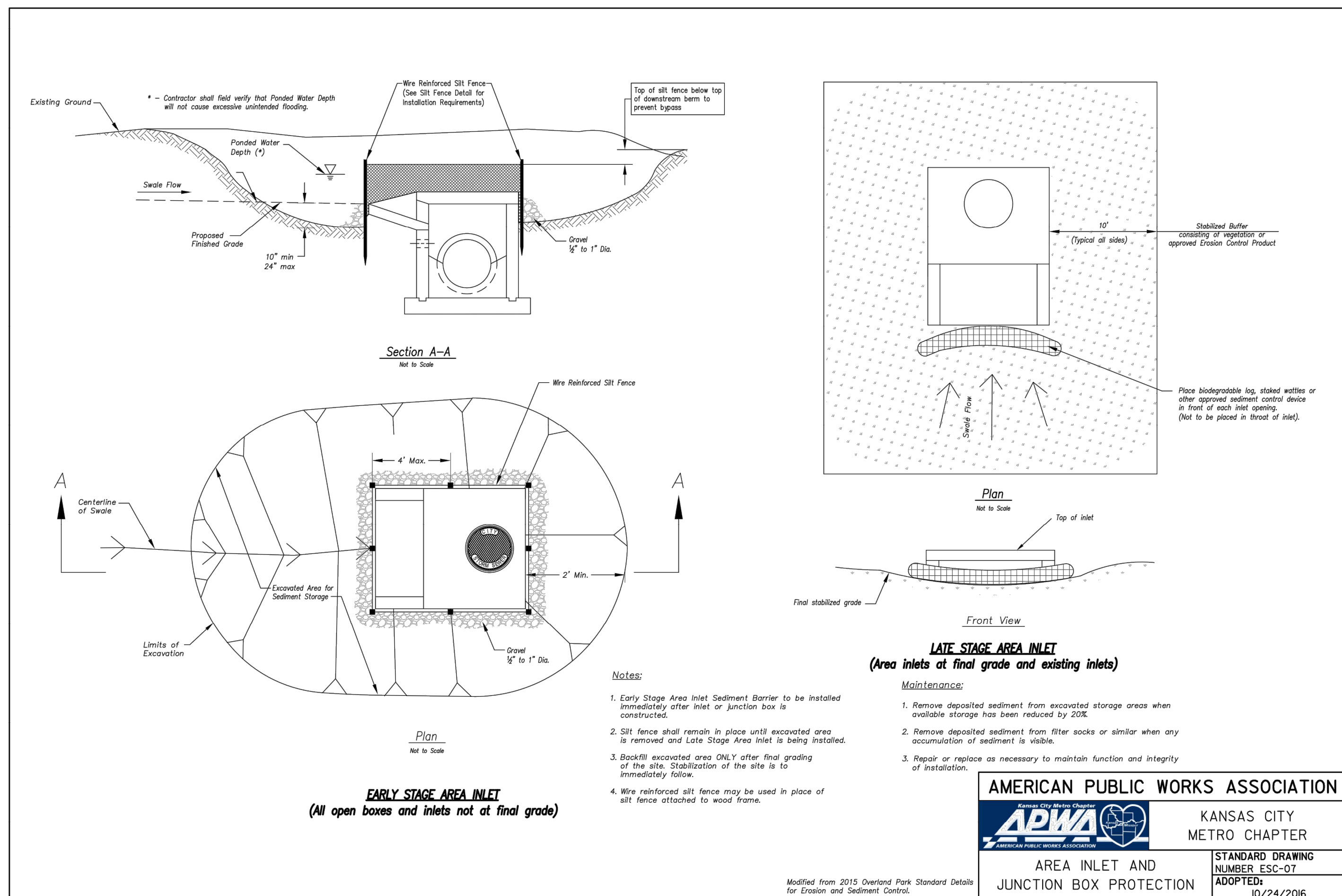
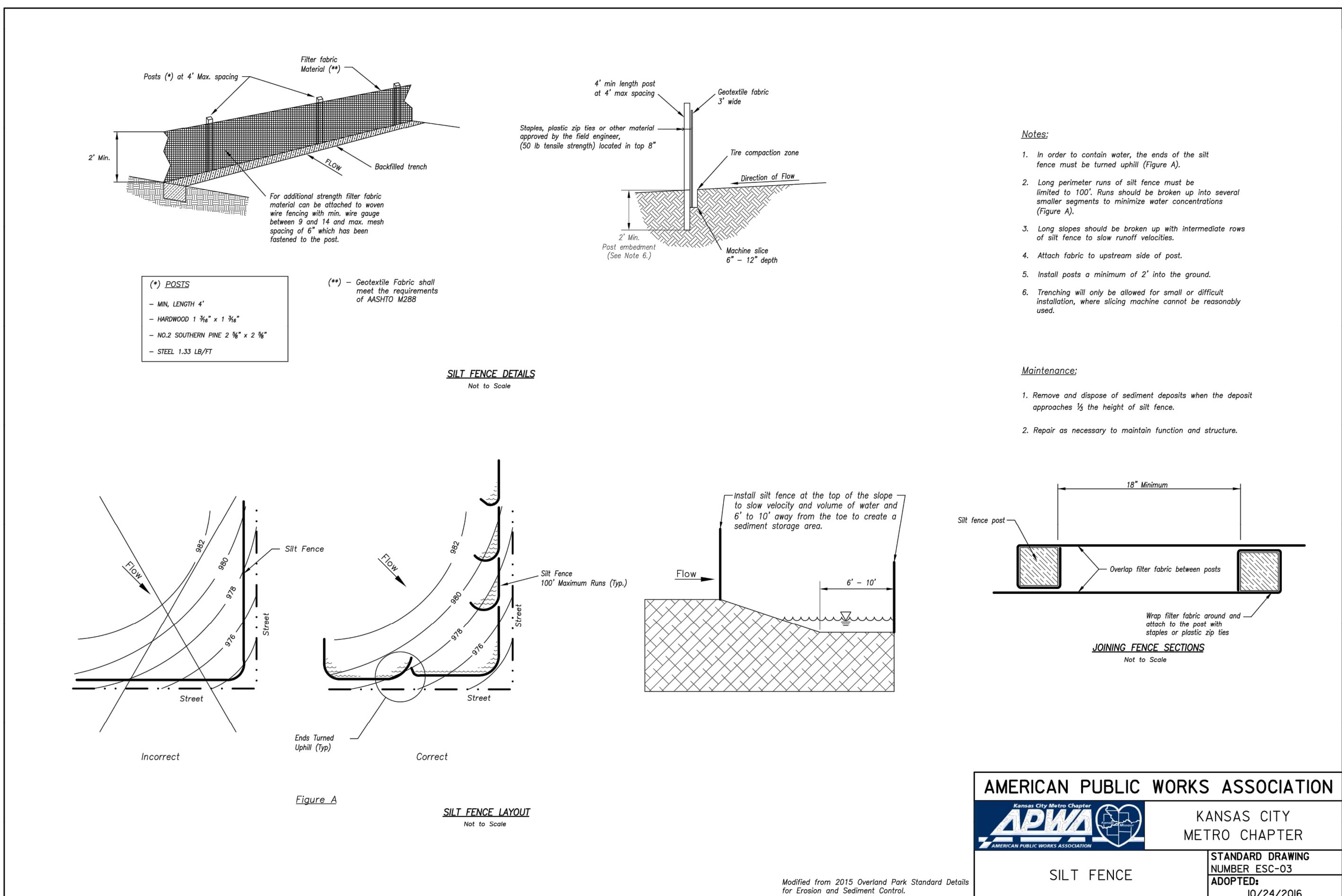
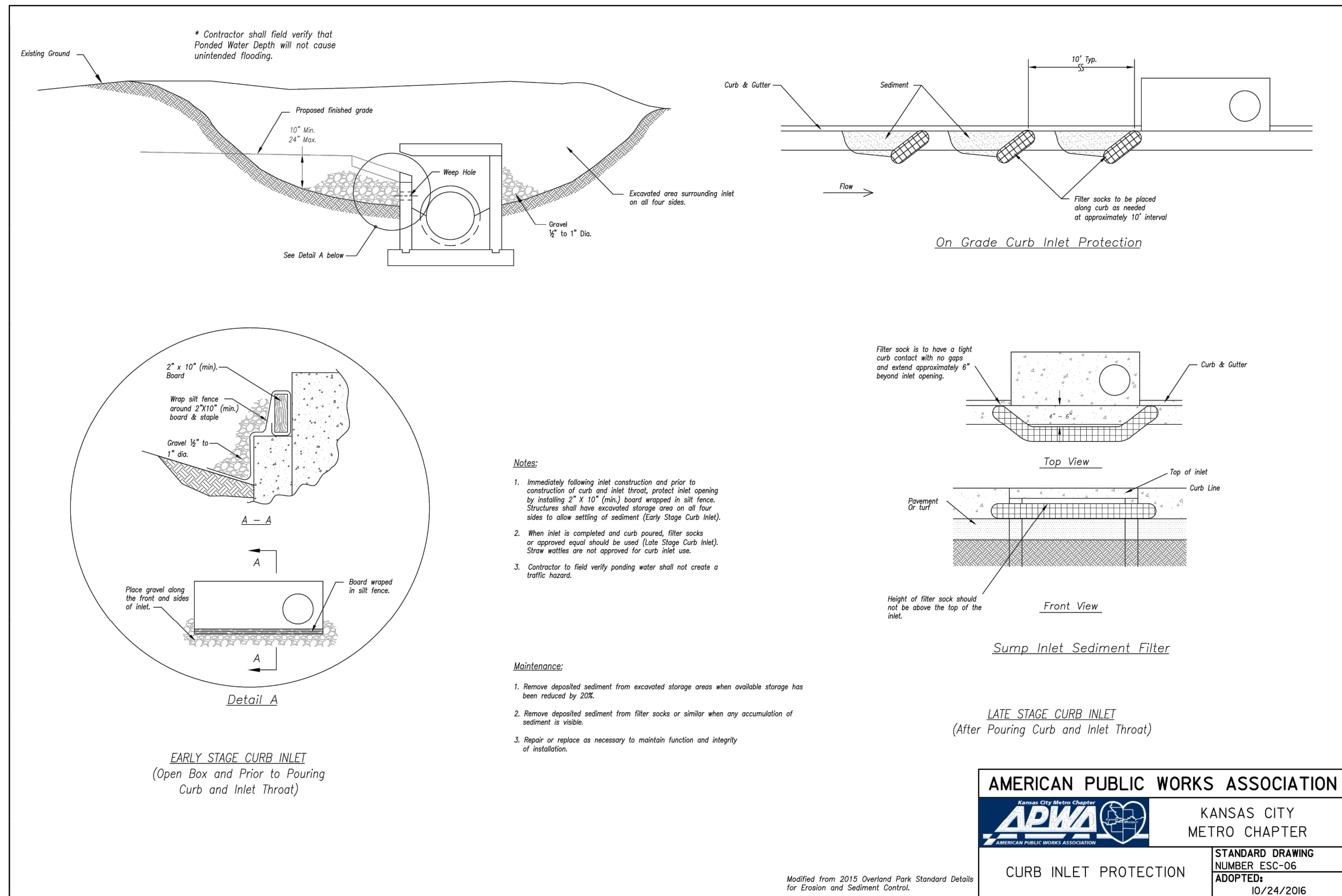
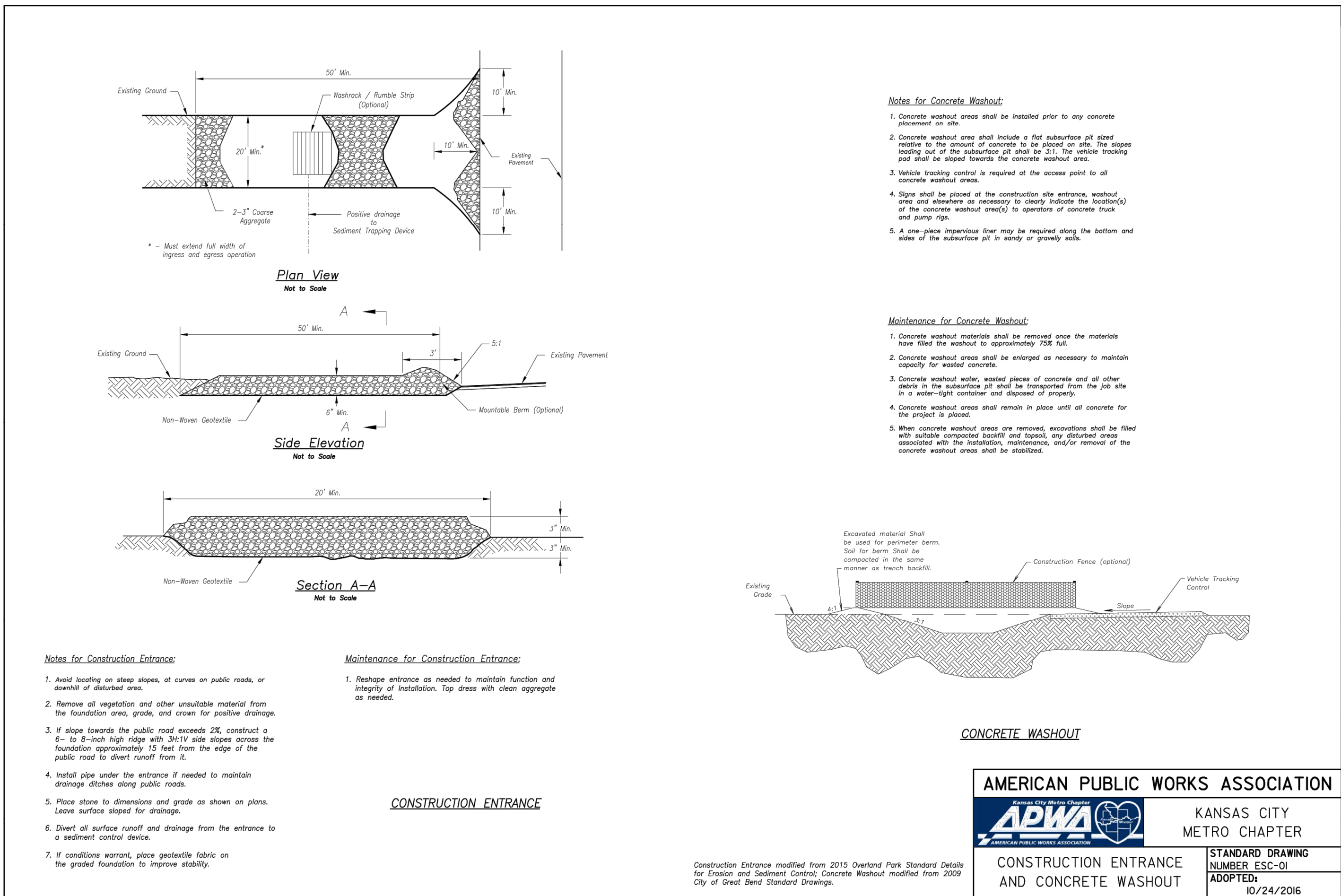
"AS-BUILT"

900.10
900.00 Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.



GENERAL NOTE:
1 - ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.

"AS-BUILT"
900.10
900.00 Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.



GENERAL NOTE:

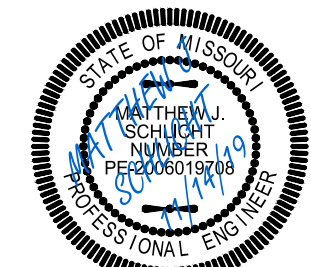
1 ~ ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.

"AS-BUILT"

900.10
900.00 Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.

The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri

Construction Details
Construction Plans for:
The Manor at Stoney Creek - 3rd Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS	
9/24/19	As-Built
11/7/19	As-Built
11/14/19	As-Built