

THE VILLAS OF CHAPEL RIDGE-2ND PLAT

LOTS 43-74 and Tracts C-1 & D-1

STREET AND STORM CONSTRUCTION PLANS

Section 8, Township 48 North, Range 31 West

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

CONSTRUCTION AND DESIGN NOTES:

STREET & STORM SEWERS:

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

RESIDENTIAL LOCAL STREET SEE BELOW FOR TYPICAL SECTION.

OPTION 1) 4" TYPE 5-01 ASPHALT BASE AND 2" TYPE 5-01 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 5-01 ASPHALT BASE AND 2" TYPE 5-01 ASPHALT SURFACE OVER 10" MoDOT TYPE 5 BASE OVERTOP A BIAXIAL GEOGRID PER THE CITY'S APPROVED PRODUCT LIST.

RESIDENTIAL COLLECTOR STREET FOR SW ARBORWALK BLVD SEE BELOW FOR TYPICAL SECTION.

OPTION 1) 5.5" TYPE 5-01 ASPHALT BASE AND 2" TYPE 5-01 or 6-01 ASPHALT SURFACE OVER A 6" MoDOT TYPE 5 BASE AND A SUBGRADE MIXTURE OF 9" FLY ASH STABILIZED SUBGRADE IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL.

OPTION 2) 5.5" TYPE 5-01 ASPHALT BASE AND 2" TYPE 5-01 or 6-01 ASPHALT SURFACE OVER 12" MoDOT TYPE 5 BASE OVERTOP A BIAXIAL GEOGRID MEETING THE CITY'S APPROVED PRODUCT LIST.

2 ~ STORM SEWER PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) AS APPROVED BY CITY OF LEES SUMMIT DESIGN AND CONSTRUCTION MANUAL.

3 ~ JUNCTION BOXES SHALL BE PER CITY OF LEES SUMMIT STANDARD DRAWING NO. STM-3. FIELD INLETS SHALL BE PER CITY OF LEES SUMMIT STANDARD DRAWING STM-2. TOEWALLS SHALL BE PER CITY OF LEES SUMMIT DRAWING NO. STM-5. JUNCTION BOXES SHALL BE PER CITY OF LEES SUMMIT STM-3. ROCK LINING AND RIP RAP SHALL BE PER CITY OF LEES SUMMIT.

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 CONTACT THE CITY'S DEVELOPMENT SERVICES ENGINEERING INSPECTION TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH A FIELD ENGINEERING INSPECTOR PRIOR TO ANY LAND DISTURBANCE WORK AT (816) 969-1200.

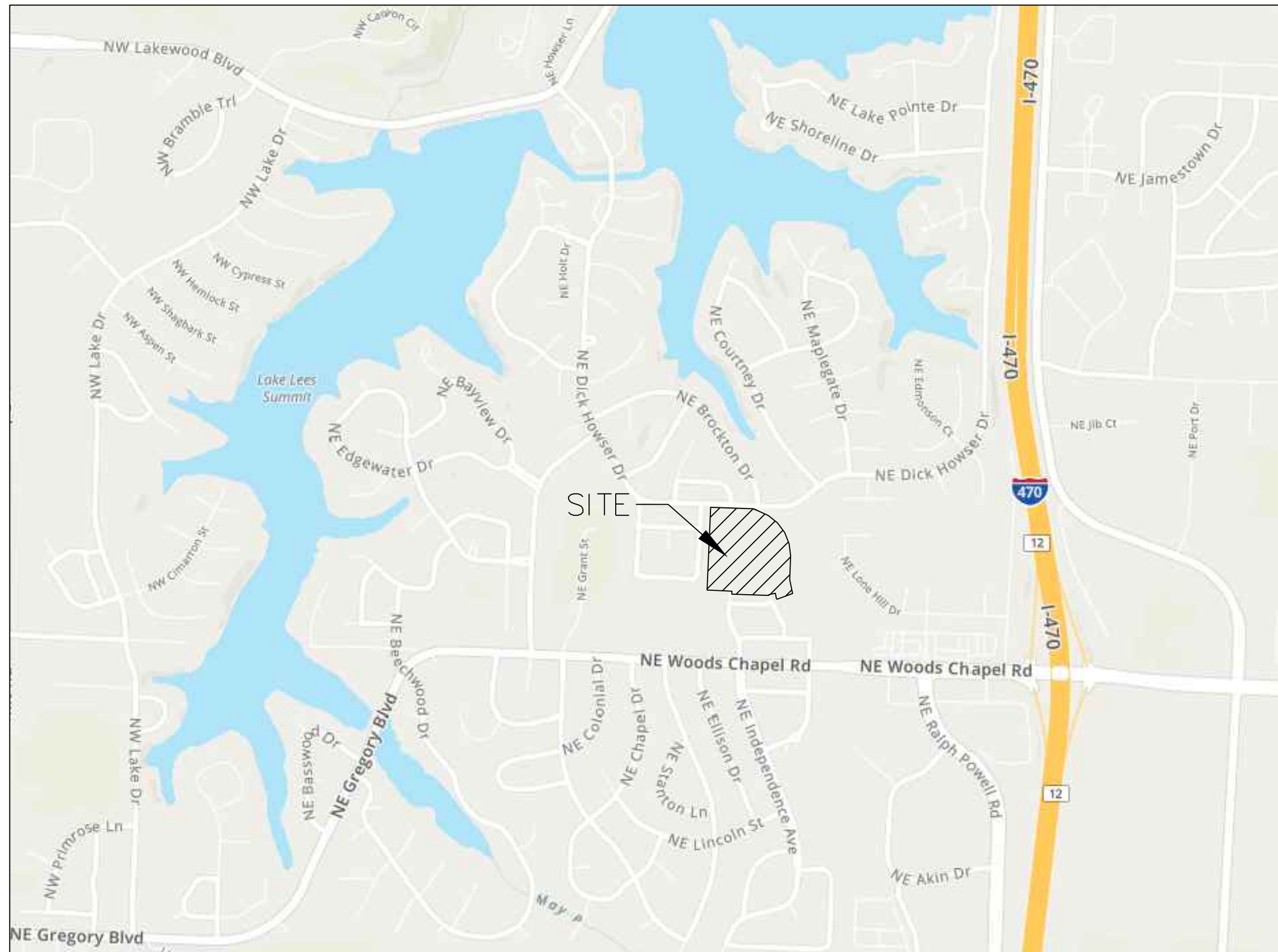
5 ~ THE CONTRACTOR SHALL NOTIFY ENGINEERING SOLUTIONS AT 816.623.9888 OF ANY CONFLICT WITH THE IMPROVEMENTS PROPOSED BY THESE PLANS AND SITE CONDITIONS.

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.

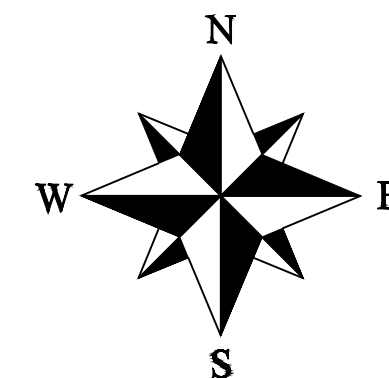
UTILITY COMPANIES:

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.

EVERGY ~ 298-1198
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



SITE LOCATION MAP



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

Summary of Quantities:

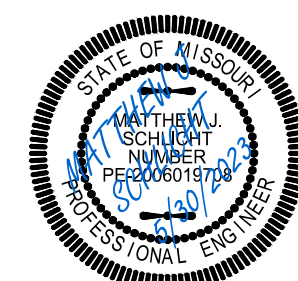
ITEM AND DESCRIPTION	UNIT	ESTIMATED QUANTITY
ASPHALT PAVING	S.Y.	4,246.00
CURBING	FT	2,683.00
5' SIDEWALK	S.F.	9,510.00
MoDOT Type 5 Base	S.Y.	5,108.00
GEOGRID	S.Y.	5,108.00
ADA SIDEWALK RAMP	UNIT	4
CLEARING, GRADING & GRUBBING	LS	1
SILT FENCE	FT	8,400.00
INLET PROTECTION	UNIT	30.00
SEEDING / MULCHING/ FERTILIZING	AC	8.27
CONST. ENTRANCE	UNIT	2.00
STORM		
30" HDPE	FT	257.92
24" HDPE	FT	222.99
18" HDPE	FT	183.71
15" HDPE	FT	1,164.11
18" RCP	FT	43.26
15" RCP	FT	43.00
4' x 4' STORM FIELD INLET	EA	6.00
5' x 4' STORM CURB INLET	EA	13.00
SILT FENCE	FT	8,400.00
INLET PROTECTION	UNIT	19.00
SEEDING / MULCHING/ FERTILIZING	AC	8.27
CONST. ENTRANCE	UNIT	2.00

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.

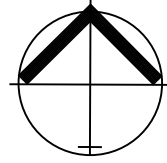
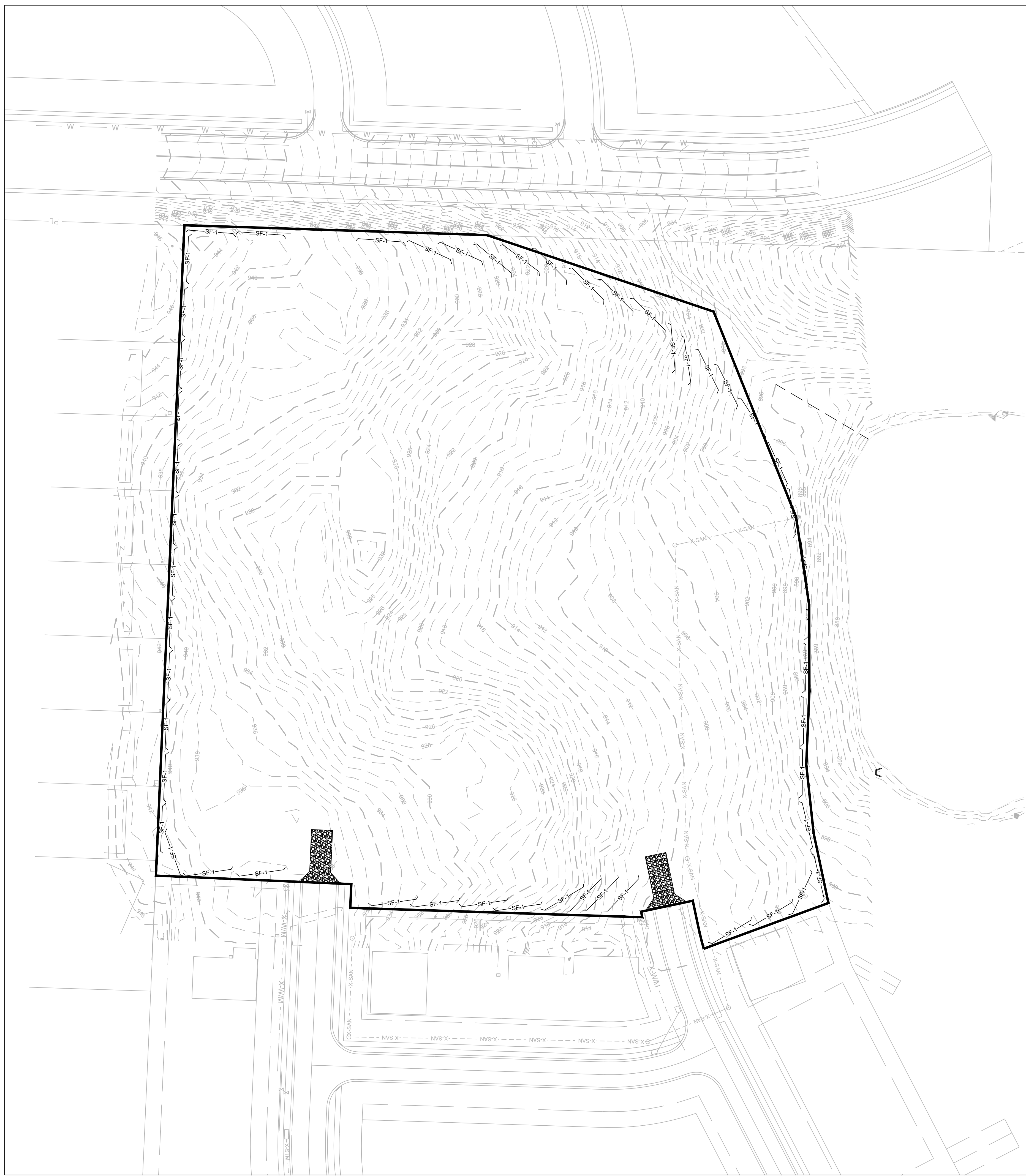
Street & Storm Cover Sheet

Construction Plans for:
THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226
NE PE E-14335

REVISIONS
REV. 8/12/2022
REV. 10/3/2022
REV. 4/26/2023



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	—

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

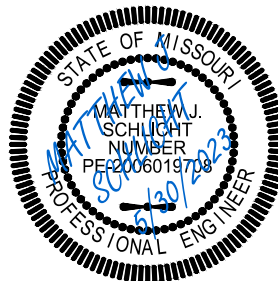


Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1685
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

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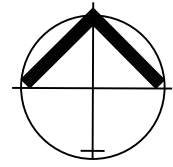
Project:
VILLAS OF CHAPEL
RIDGE-LSMO
Issue Date:
June 24, 2022

ESC PHASE 1 - Pre Clearing Plan
Construction Plans for:
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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 RESEEDING 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 SHALL CONSIST OF 90% 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 RESEEDING.

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:

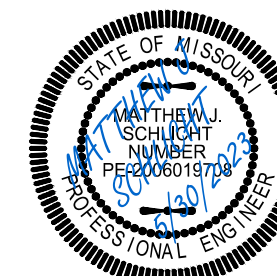
- 1.) SILT FENCE SHALL BE PLACED AT THE PERIMETER OF THE GRADING AND AT INTERMEDIATE AREAS THROUGHOUT THE SITE AS SHOWN ON THE PLAN. INLET SEDIMENT TRAPS SHALL BE PLACED SURROUNDING ALL STORM INLETS
- 2.) INSTALL TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON PLAN

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.

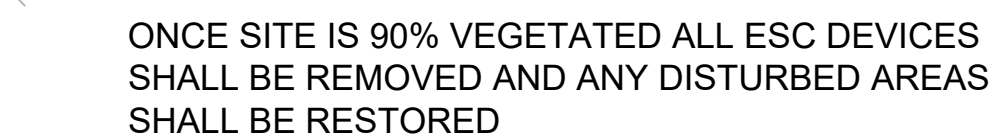
TEMPORARY CONSTRUCTION ENTRANCE NOTES:

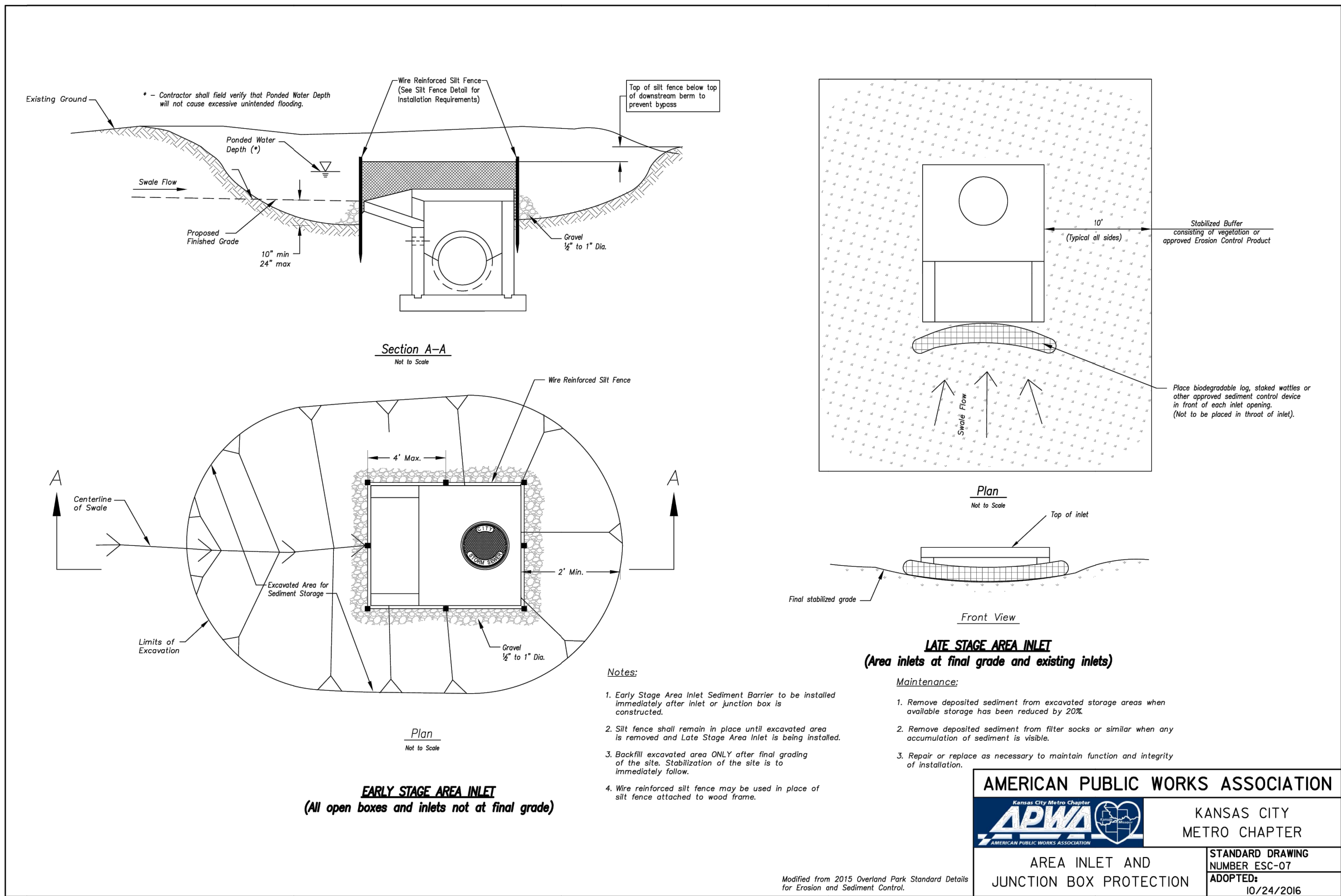
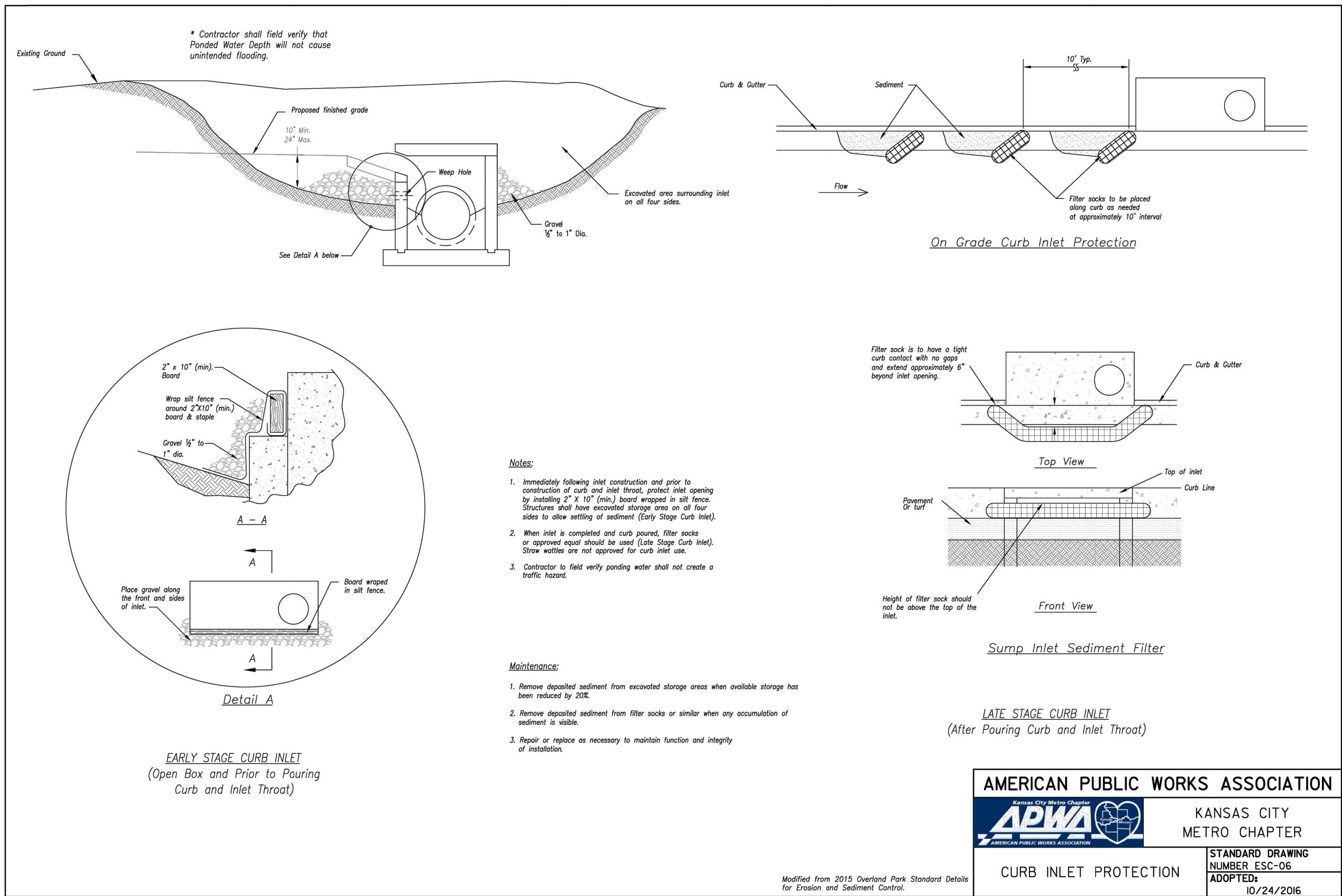
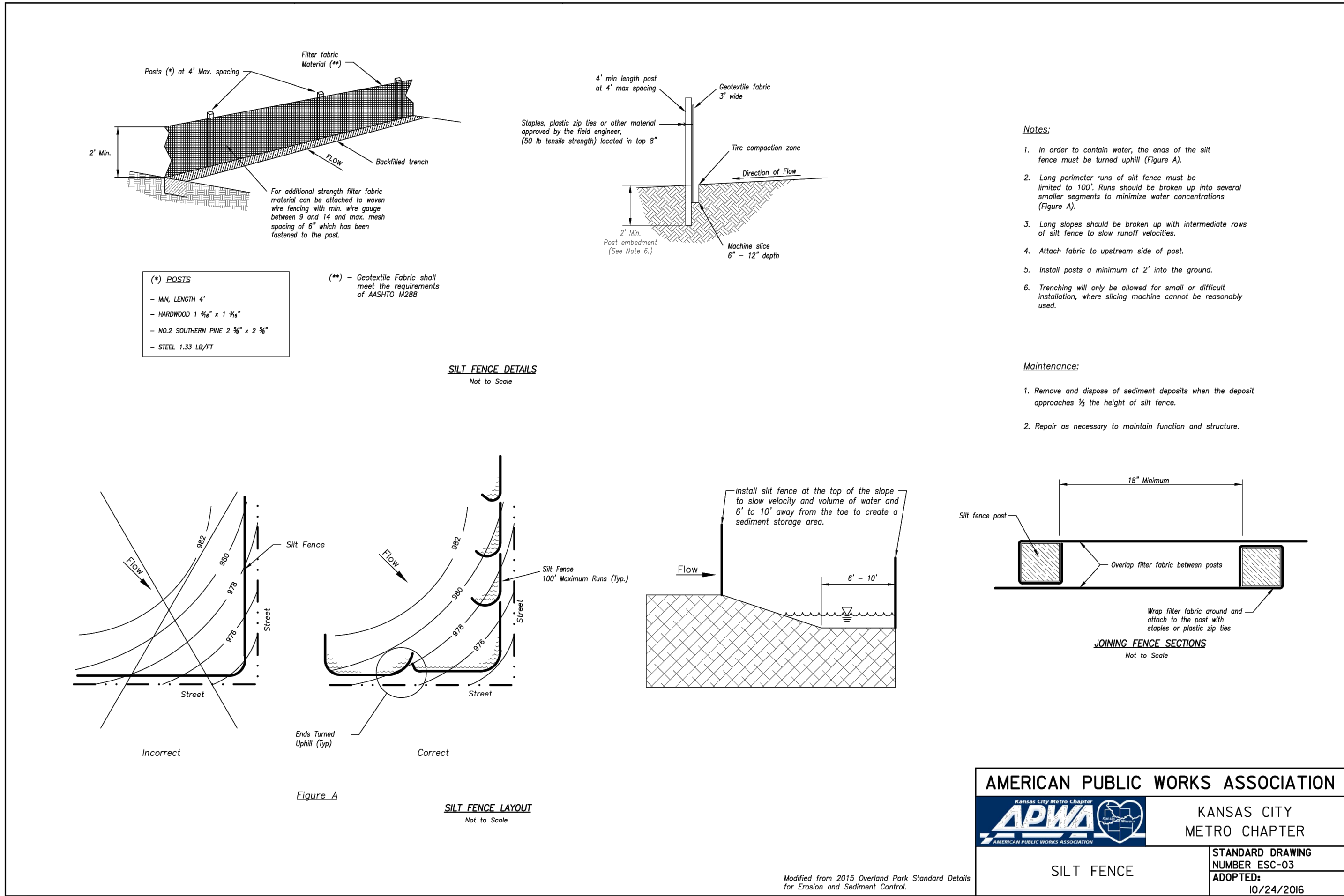
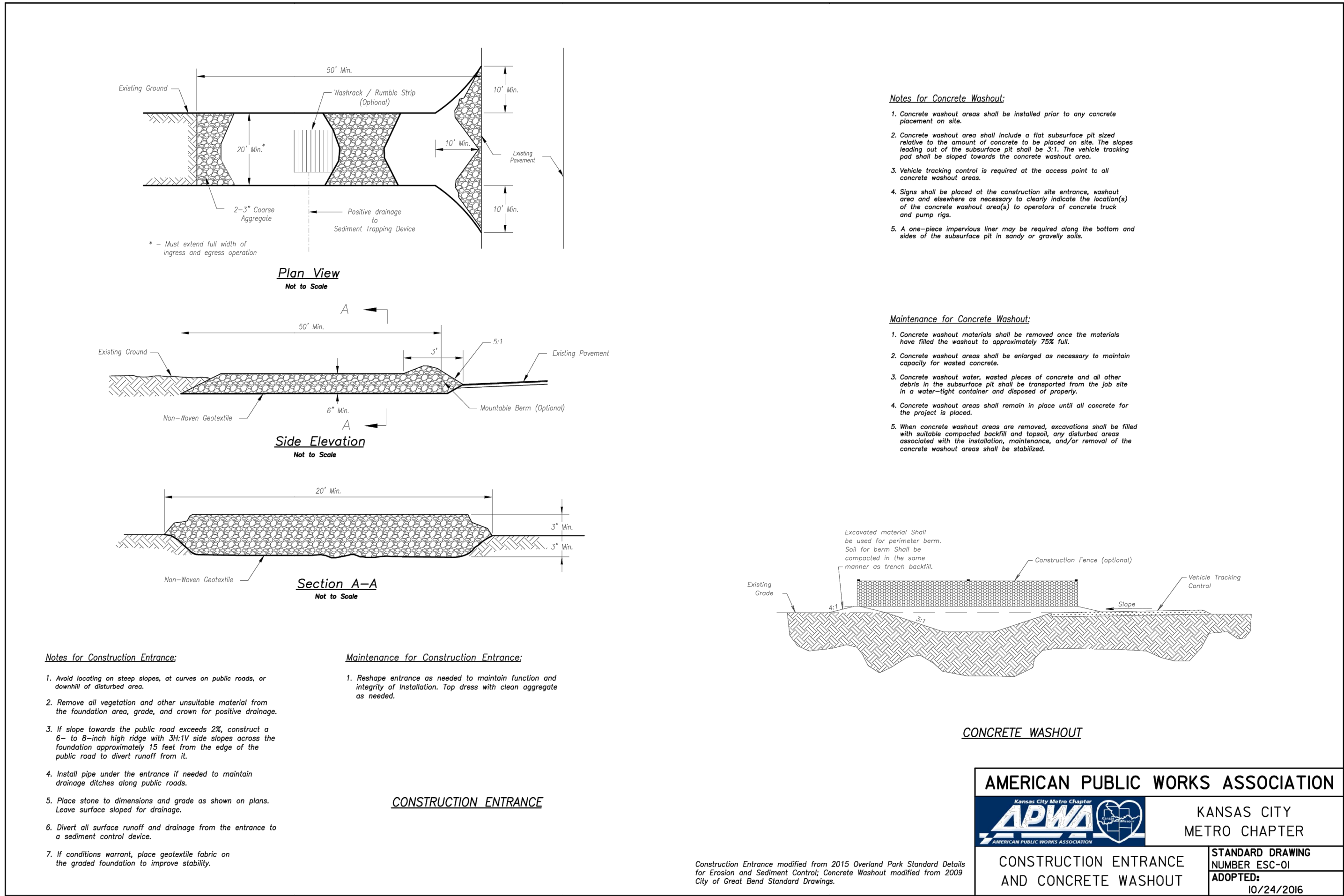
- A.) INSTALLATION
- 1.) AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC STREETS. IF POSSIBLE, LOCATE WHERE PERMANENT ROADS WILL EVENTUALLY BE CONSTRUCTED
 - 2.) REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE AND CROWN FOR POSITIVE DRAINAGE
 - 3.) IF SLOPE TOWARDS 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

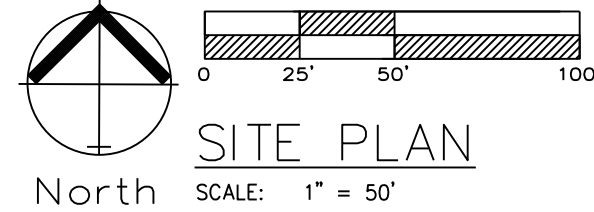


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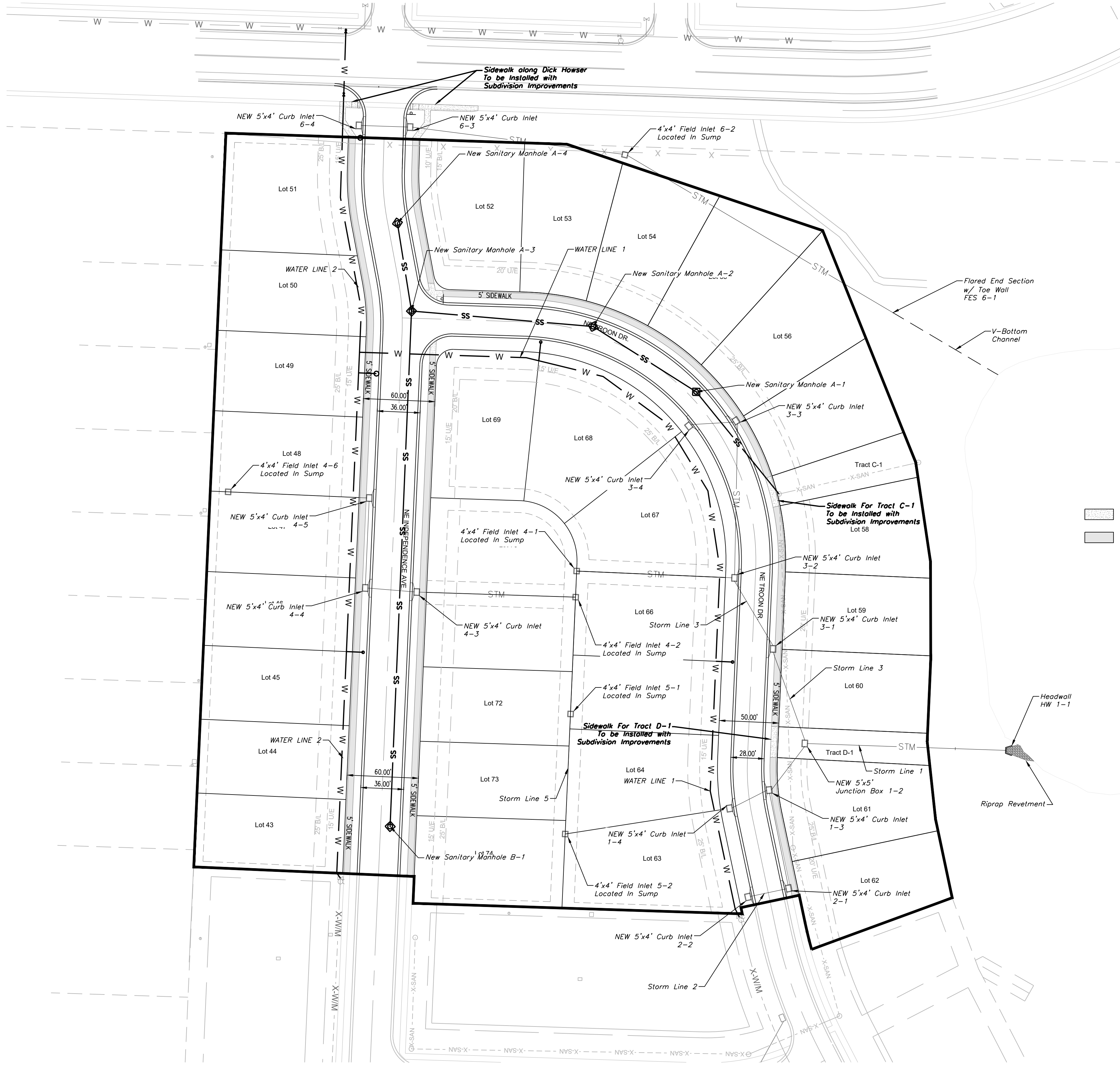
REVISIONS	
REV. 8/12/2022	
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REV. 4/26/2023	



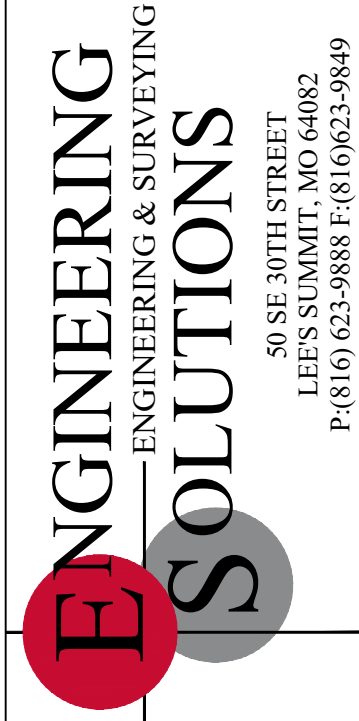




Contractor is Responsible to Remove
All Existing Onsite Fence and
Structures and properly dispose of
these items offsite



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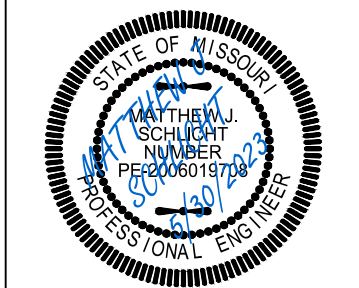
Professional Registration
Missouri
Engineering 2005002186-D
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Kansas
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Nebraska
Engineering CA2821

THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

Project:
VILLAS OF CHAPEL
RIDGE, LSWO
Issue Date:
June 24, 2022

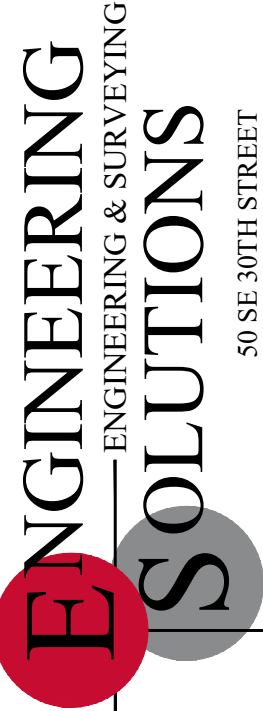
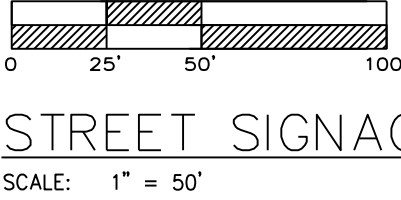
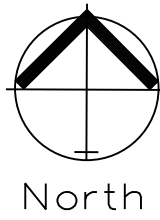
Site Plan

Construction Plans for:
THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri



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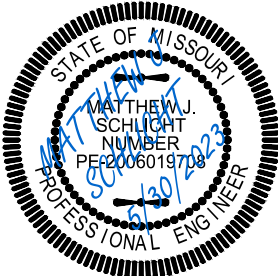


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Lee's Summit, Jackson County, Missouri

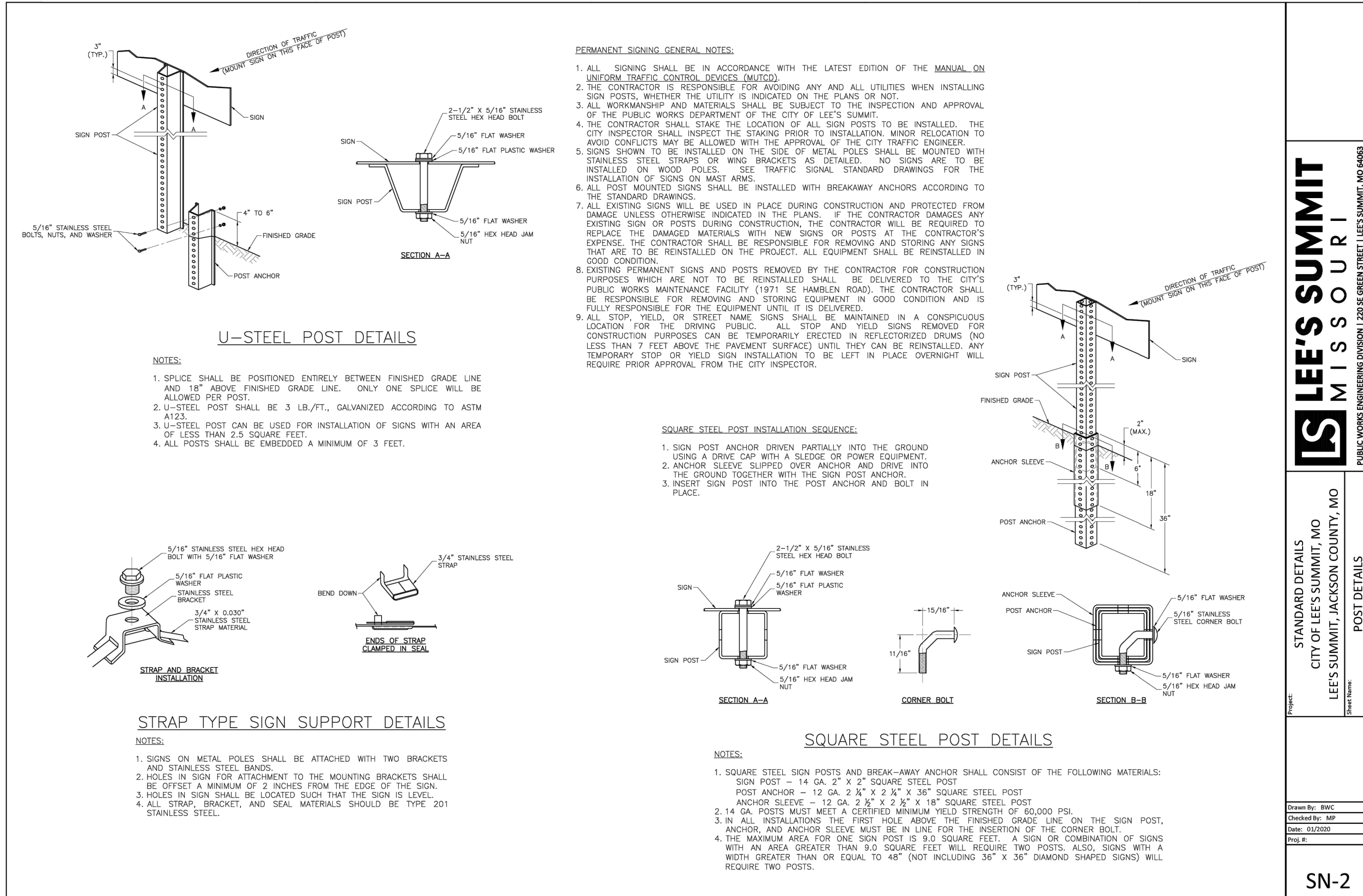
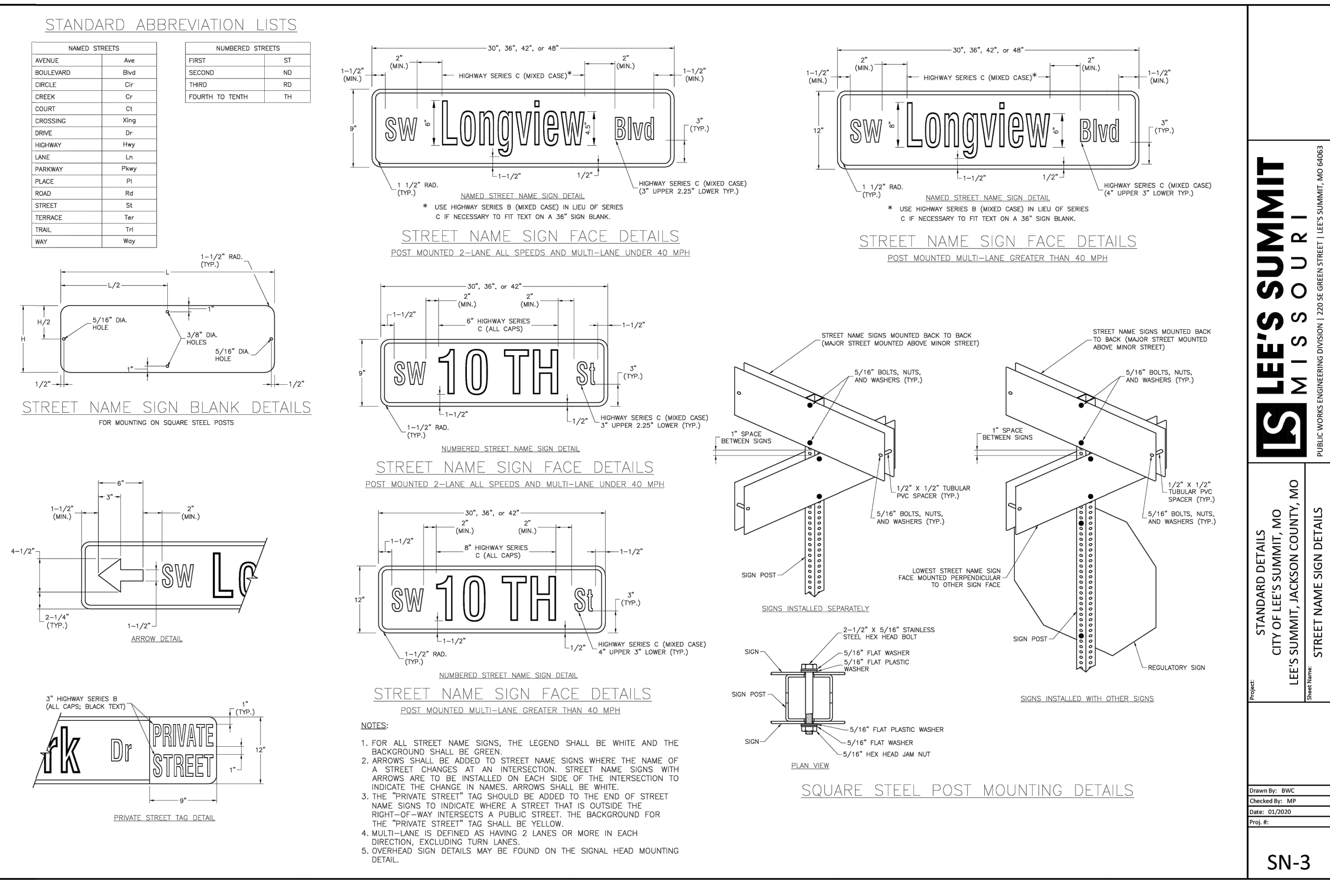
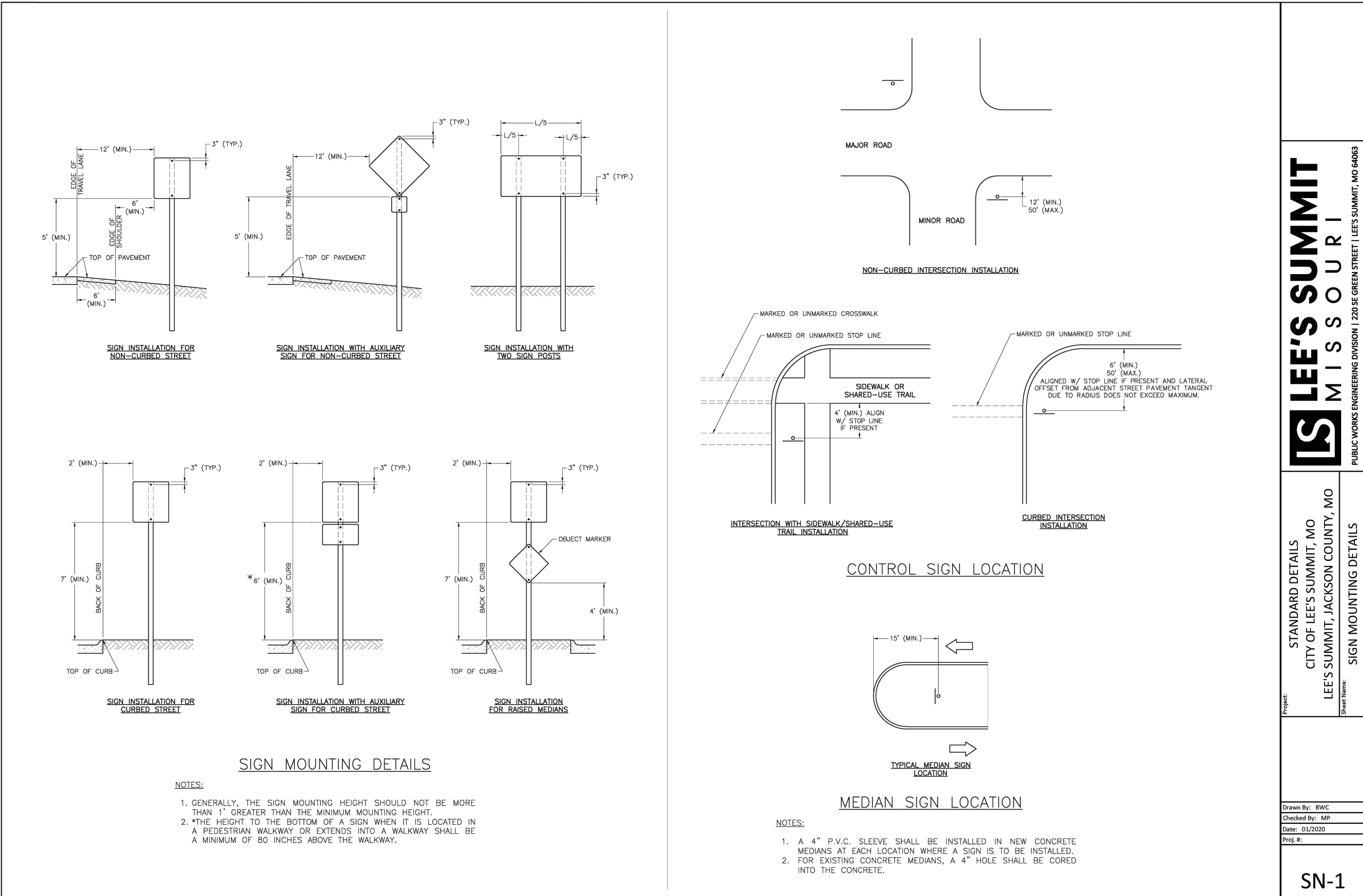
Project: VILLAS OF CHAPEL RIDGE-LSMO
Issue Date: June 24, 2022

Street Signage
Construction Plans for:
THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
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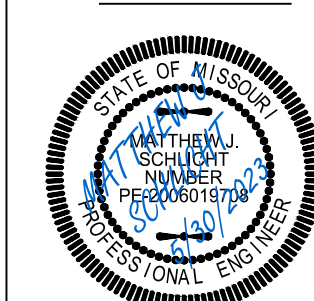


ENGINEERING & SURVEYING SOLUTIONS
 50 SE 30TH STREET
 LEE'S SUMMIT, MO 64082
 P: (816) 623-9888 F: (816) 623-9849

Project: THE VILLAS OF CHAPEL RIDGE-2ND PLAT LOTS 43-74 and Tracts C-1 & D-1
Location: Lee's Summit, Jackson County, Missouri

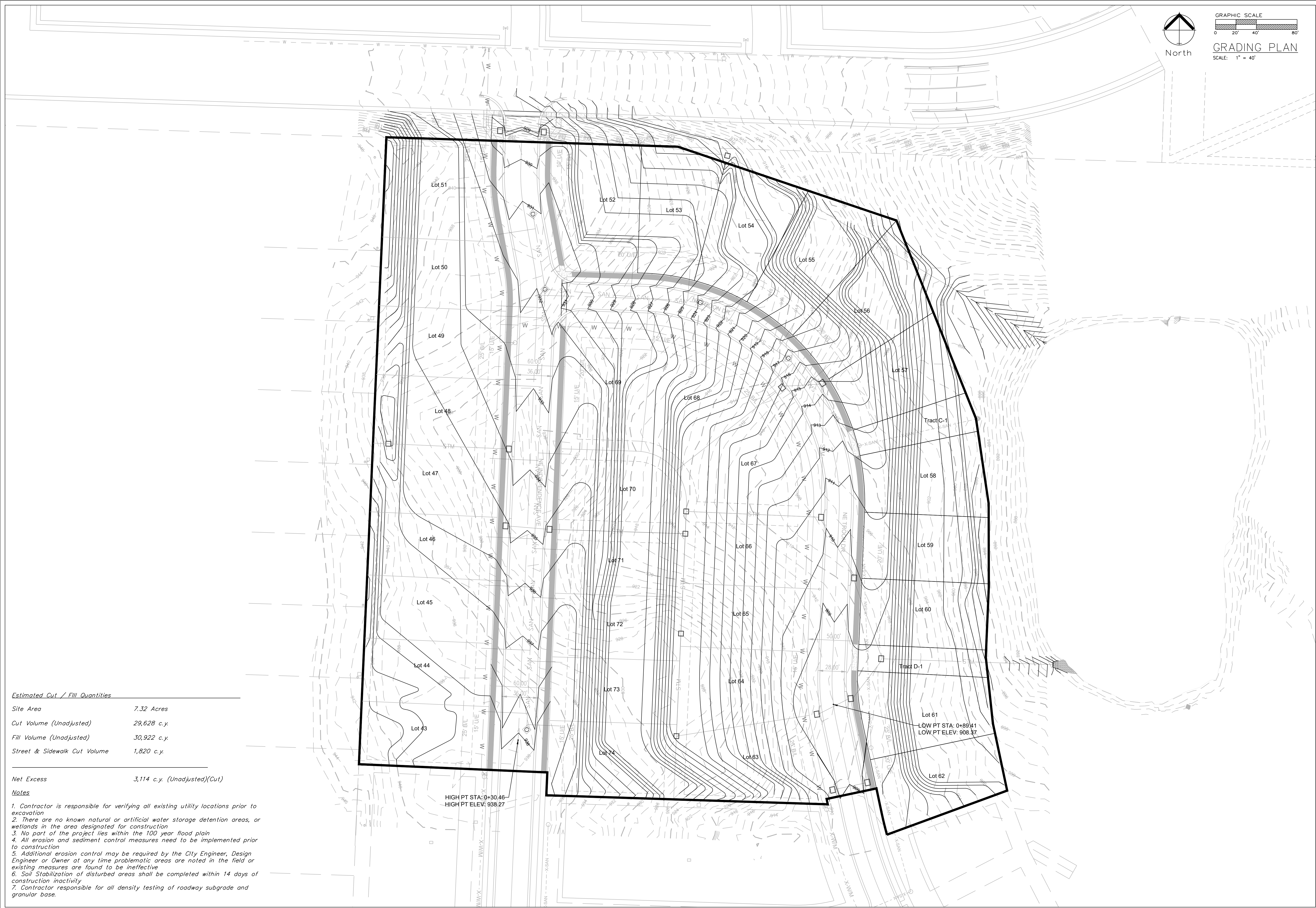
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Street Signage Details
Construction Plans for:
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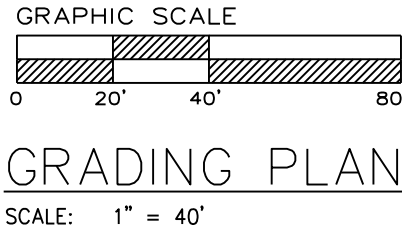
Estimated Cut / Fill Quantities

Site Area	7.32 Acres
Cut Volume (Unadjusted)	29,628 c.y.
Fill Volume (Unadjusted)	30,922 c.y.
Street & Sidewalk Cut Volume	1,820 c.y.

Net Excess 3,114 c.y. (Unadjusted)(Cut)

Notes

- Contractor is responsible for verifying all existing utility locations prior to excavation
- There are no known natural or artificial water storage detention areas, or wetlands in the area designated for construction
- No part of the project lies within the 100 year flood plain
- All erosion and sediment control measures need to be implemented prior to construction
- 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
- Soil Stabilization of disturbed areas shall be completed within 14 days of construction inactivity
- Contractor responsible for all density testing of roadway subgrade and granular base.

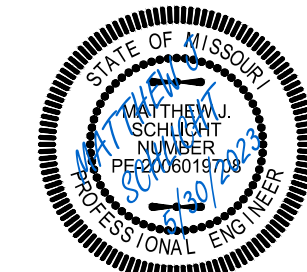


Master Drainage Plan 1 of 3:
Grading Plan
Construction Plans for:
THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

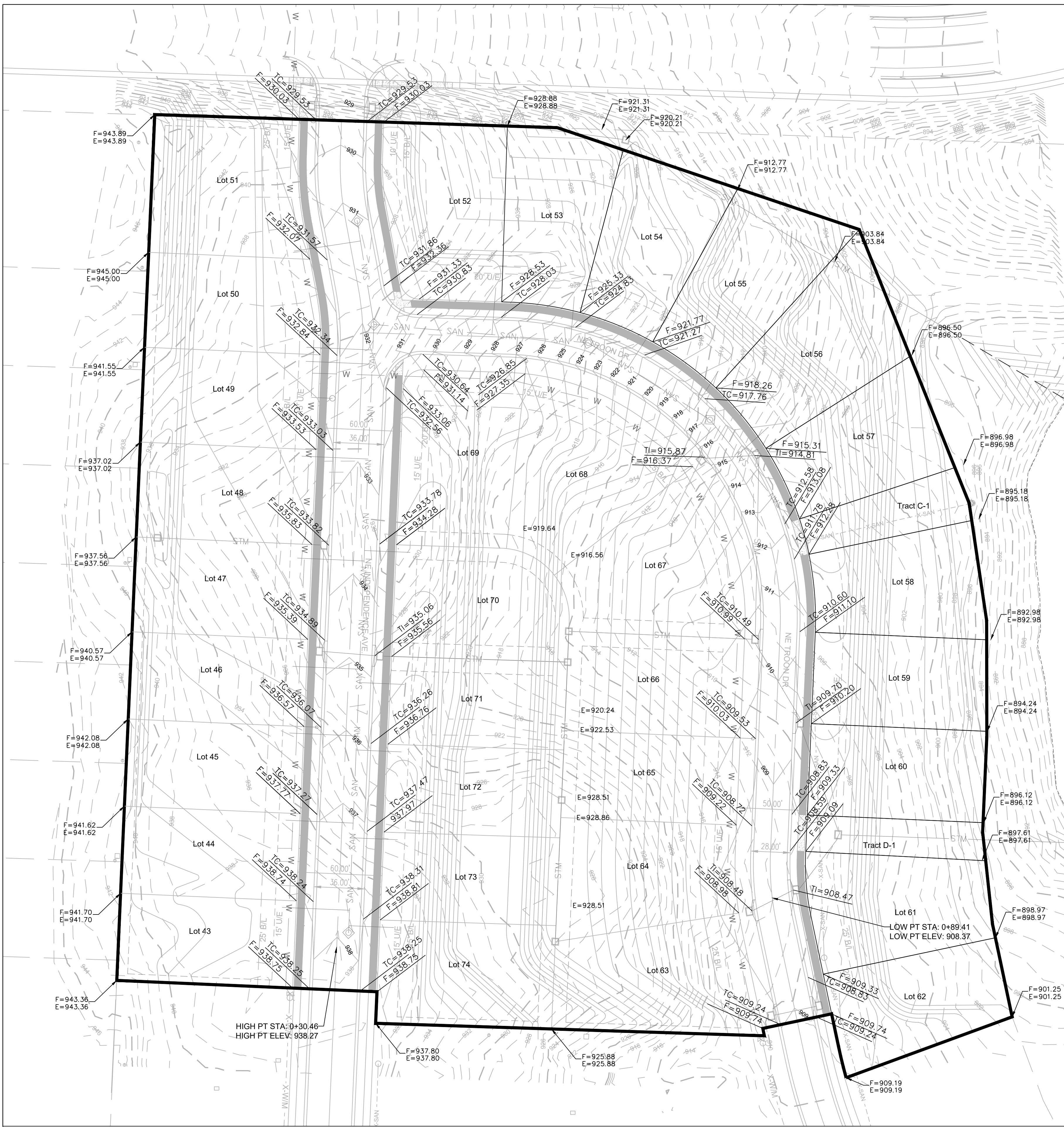
Professional Registration
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Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Project:
VILLAS OF CHAPEL
RIDGE-LSMO
Issue Date:
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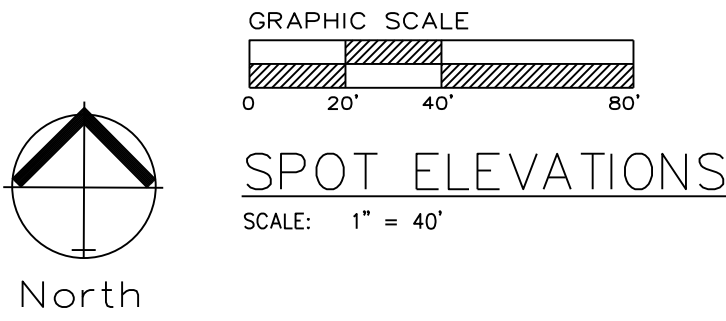
REVISIONS
REV. 8/12/2022
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REV. 4/26/2023



Note:
AS GRADED PLOT PLAN REQUIRED FOR EACH LOT.

Lot Number	Basement Type	MBOE
43	Full	942.00
44	Full	941.00
45	Full	940.00
46	Full	939.00
47	Full	939.00
48	Full	940.00
49	Full	941.00
50	Full	942.00
51	Full	N/A
52	Daylight	N/A
53	Walkout	N/A
54	Walkout	N/A
55	Walkout	N/A
56	Walkout	N/A
57	Walkout	N/A
58	Walkout	N/A
59	Walkout	N/A
60	Walkout	N/A
61	Walkout	N/A
62	Walkout	N/A
63	Full	913.00
64	Full	913.00
65	Full	913.00
66	Full	914.00
67	Full	920.00
68	Full	N/A
69	Walkout	N/A
70	Walkout	N/A
71	Walkout	N/A
72	Walkout	N/A
73	Walkout	N/A
74	Walkout	N/A

Drainage Notes
Side yard swales for individual lots shall be graded during the plot plan process.



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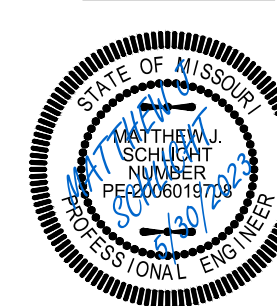
Nebraska
Engineering CA2821

THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

Project:
VILLAS OF CHAPEL
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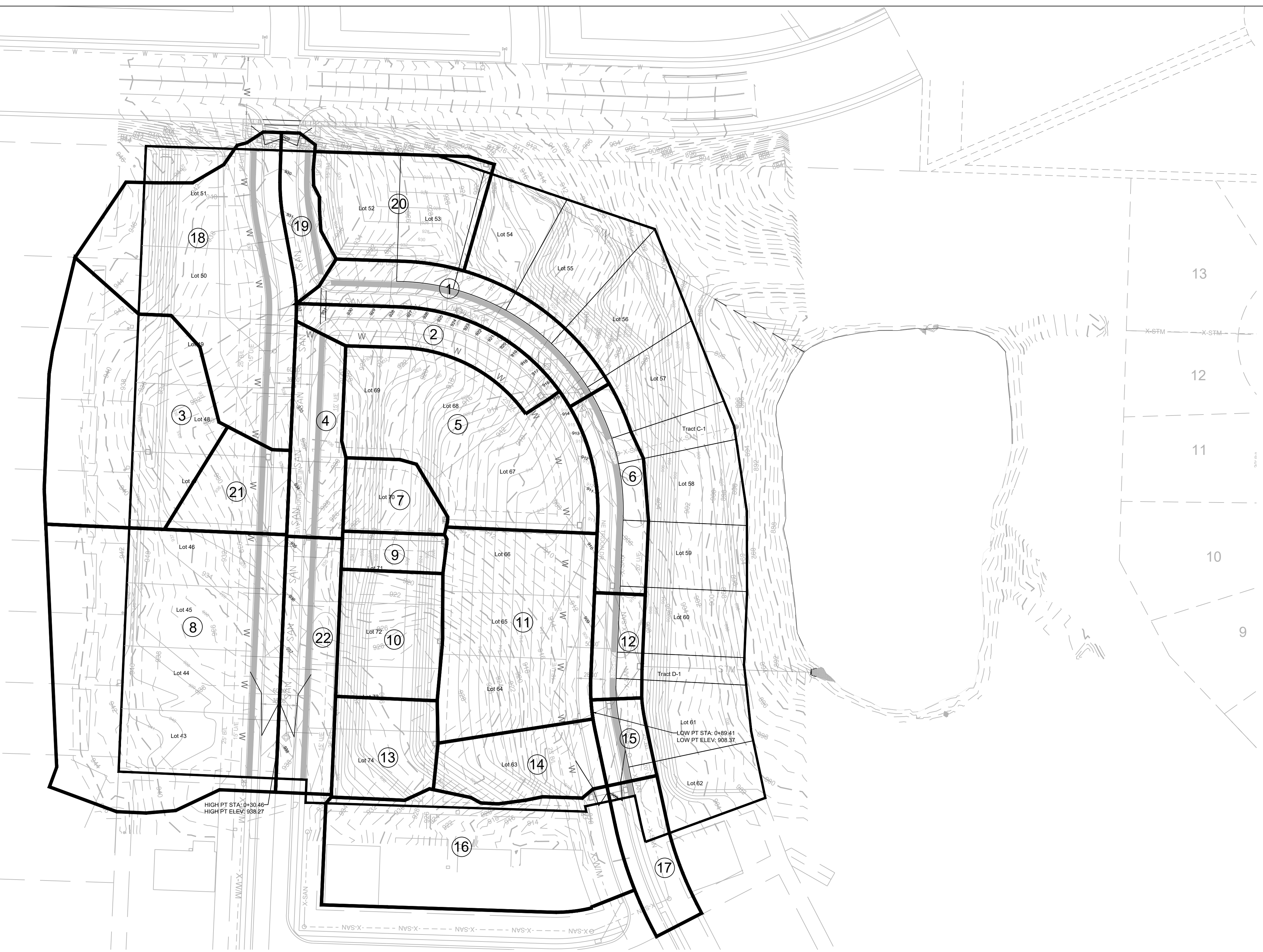
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Master Drainage Plan 2 of 3:
Spot Elevations
Construction Plans for:
THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri



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GRAPHIC SCALE
0 30' 60' 120'
DRAINAGE AREA MAP
SCALE: 1" = 60'

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THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

Project:
VILLAS OF CHAPEL
RIDGE-LSMO
Issue Date:
June 24, 2022

Master Drainage Map 3 of 3:
Drainage Area Map
Construction Plans for:
THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri



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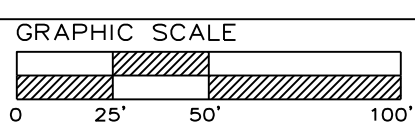
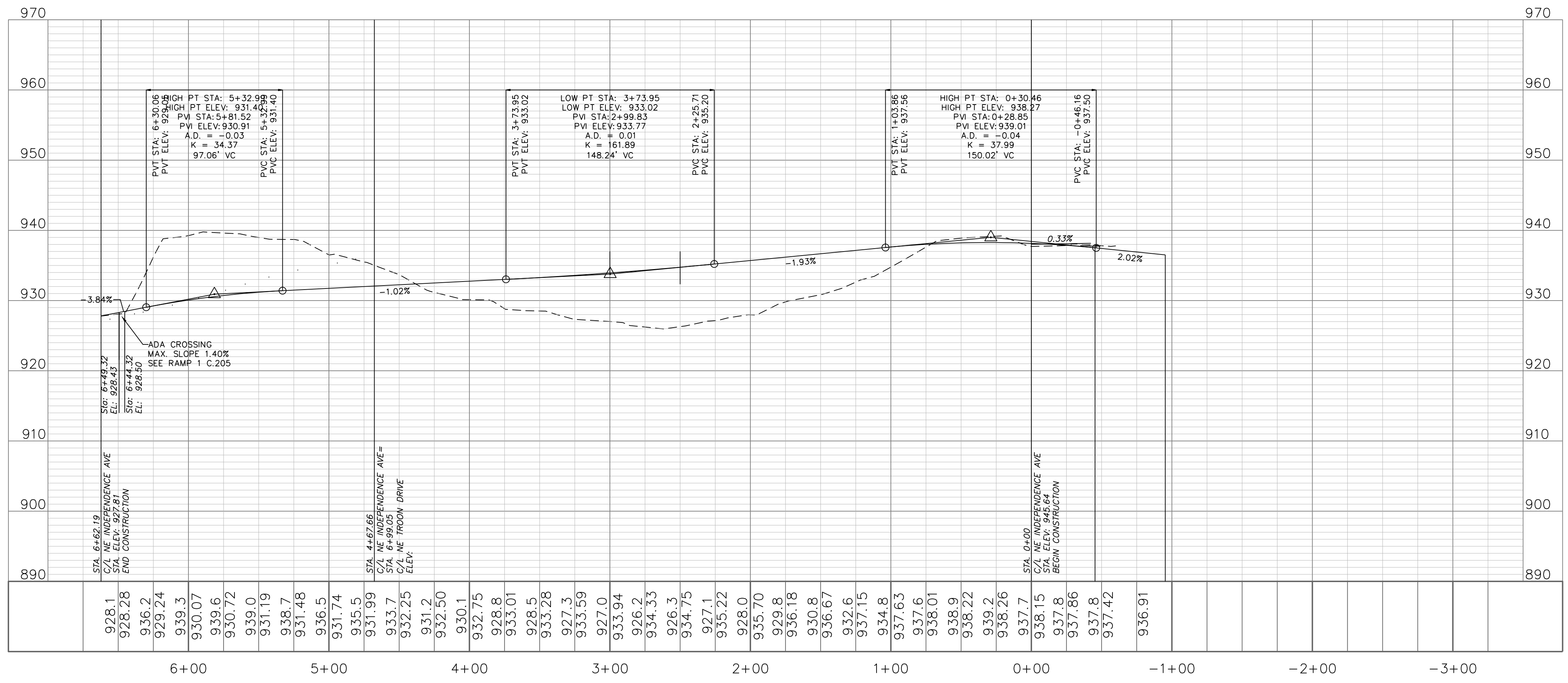
REVISIONS

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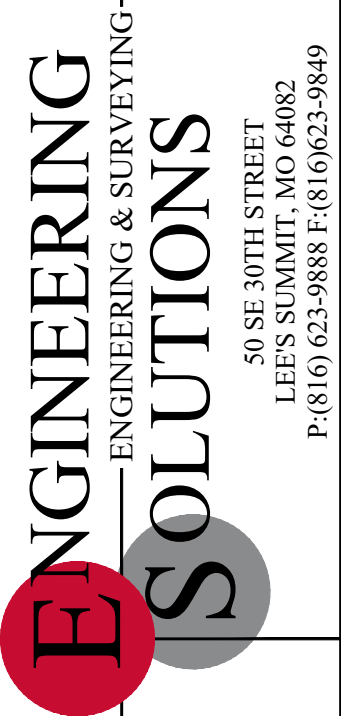
APWA STORM DRAINAGE "TC" COMPUTATIONS FOR: VILLAS OF CHAPEL RIDGE 2ND PLAT																														
		yellow areas are self computing overwrite if necessary					Surface types: SURFACE CODES "C" Values		Asph/ConcBus/Com A B D G		Dirt 0.90 0.87 0.60 0.30		Grass/Park 0.90 0.66 0.51 0.3		Lake L		MultFam M		SnglFam S		Undev U		Other Z							
		TOTAL WATERSHED					Owerwrite Length - DnElev or Slope if necessary		SURFACE CODE P		P=Paved U=Unpaved		Owerwrite Slope or Elevations if necessary		TC COMPUTATION															
		TOTAL WATERSHED					OVERLAND FLOW - 100' MAX		SURFACE CODE P or U		CHANNEL FLOW - FIRST REACH																			
AREA ID	TOTAL SQ.FT.	TOTAL ACRES	WTRSHD LENGTH	UP ELEV	DN ELEV	SURFACE CODE	"C" VALUE	OVRLND LENGTH	UP ELEV	DN ELEV	SLOPE %	CODE	CHANNEL LENGTH	UP ELEV	DN ELEV	SLOPE %	VELOCITY F/S	Cal Overland Flow T(I)	Used Min 5 Max 15 T(I)	Cal Channel One T(T)	Cal Channel Two T(T)	Total T@ 10	Intensity 10 I	Intensity 100 I	CFS 10 Q	K 1.25 CFS 100 Q	AREA ID			
PROP.																											PROP.			
1	13710	0.31	278.00	936.00	918.00	M	0.66	88.0	936.0	932.00	4.5	P	190.0	932.0	918.0	7.37	5.5	4.5	5.0	0.6	0.0	5.6	7.2	10.1	1.49	2.62	1			
2	10065	0.23	216.00	936.00	918.00	M	0.66	100.0	936.0	929.00	7.0	P	116.0	929.0	918.0	9.48	6.3	4.1	5.0	0.3	0.0	5.3	7.3	10.2	1.11	1.94	2			
3	33255	0.76	222.00	946.00	934.00	M	0.66	100.0	946.0	940.00	6.0	U	122.0	940.0	934.0	4.92	3.6	4.4	5.0	0.6	0.0	5.6	7.2	10.1	3.62	6.36	3			
4	24340	0.56	208.00	936.00	934.00	M	0.66	36.0	936.0	935.25	2.1	P	172.0	935.3	934.0	0.73	1.7	3.7	5.0	1.7	0.0	6.7	6.9	9.7	2.54	4.46	4			
5	31497	0.72	290.00	936.00	911.00	M	0.66	100.0	936.0	924.00	12.0	U	190.0	924.0	911.0	6.84	4.2	3.5	5.0	0.8	0.0	5.8	7.1	10.0	3.40	5.98	5			
6	9686	0.22	200.00	916.00	910.00	M	0.66	55.0	916.0	914.00	3.6	P	145.0	914.0	910.0	2.76	3.4	3.8	5.0	0.7	0.0	5.7	7.1	10.0	1.05	1.84	6			
7	6391	0.15	112.00	936.00	919.00	M	0.66	100.0	936.0	920.00	16.0	U	12.0	920.0	919.0	8.33	4.7	3.1	5.0	0.0	0.0	5.0	7.3	10.3	0.71	1.25	7			
8	60289	1.38	453.00	947.00	934.00	M	0.66	100.0	947.0	941.00	6.0	P	353.0	941.0	934.0	1.98	2.9	4.4	5.0	2.1	0.0	7.1	6.8	9.5	6.18	10.88	8			
9	3848	0.09	125.00	934.00	919.00	M	0.66	100.0	934.0	920.00	14.0	U	25.0	920.0	919.0	4.00	3.2	3.3	5.0	0.1	0.0	5.1	7.3	10.3	0.43	0.75	9			
10	12701	0.29	152.00	936.00	921.00	M	0.66	100.0	936.0	923.00	13.0	U	52.0	923.0	921.0	3.85	3.2	3.4	5.0	0.3	0.0	5.3	7.3	10.2	1.40	2.46	10			
11	29486	0.68	312.00	919.00	908.00	M	0.66	100.0	919.0	910.50	8.5	P	212.0	910.5	908.0	1.18	2.2	3.9	5.0	1.6	0.0	6.6	6.9	9.7	3.08	5.42	11			
12	5185	0.12	145.00	910.00	908.00	M	0.66	43.0	910.0	909.00	2.3	P	102.0	909.0	908.0	0.98	2.0	3.9	5.0	0.8	0.0	5.8	7.1	10.0	0.56	0.98	12			
13	9844	0.23	118.00	935.50	922.00	M	0.66	100.0	935.5	924.00	11.5	U	18.0	924.0	922.0	11.11	5.4	3.5	5.0	0.1	0.0	5.1	7.3	10.3	1.09	1.92	13			
14	10644	0.24	170.00	927.00	908.00	M	0.66	100.0	927.0	912.00	15.0	P	70.0	912.0	908.0	5.71	4.9	3.2	5.0	0.2	0.0	5.2	7.3	10.2	1.17	2.06	14			
15	4112	0.09	113.00	910.00	908.00	M	0.66	36.0	910.0	909.00	2.8	P	77.0	909.0	908.0	1.30	2.3	3.4	5.0	0.6	0.0	5.6	7.2	10.1	0.45	0.79	15			
16	31892	0.73	347.00	934.00	909.00	M	0.66	100.0	934.0	924.00	10.0	P	247.0	924.0	909.0	6.07	5.0	3.7	5.0	0.8	0.0	5.8	7.1	10.0	3.43	6.04	16			
17	7514	0.17	181.00	911.00	909.00	M	0.66	36.0	911.0	910.00	2.8	P	145.0	910.0	909.0	0.69	1.7	3.4	5.0	1.4	0.0	6.4	6.9	9.8	0.79	1.39	17			
18	36997	0.85	375.00	946.00	929.00	M	0.66	100.0	946.0	940.00	6.0	P	275.0	940.0	929.0	4.00	4.1	4.4	5.0	1.1	0.0	6.1	7.0	9.9	3.94	6.92	18			
19	5456	0.13	127.00	933.00	929.00	M	0.66	50.0	933.0	931.00	4.0	P	77.0	931.0	929.0	2.60	3.3	3.5	5.0	0.4	0.0	5.4	7.2	10.2	0.60	1.05	19			
20	16737	0.38	191.00	933.00	919.00	M	0.66	100.0	933.0	923.00	9.5	U	91.0	923.5	919.0	4.95	3.6	3.7	5.0	0.4	0.0	5.4	7.2	10.1	1.83	3.22	20			
21	8657	0.20	171.00	937.00	934.00	M	0.66	100.0	937.0	935.00	2.0	P	71.0	935.0	934.0	1.41	2.4	6.3	6.3	0.5	0.0	6.8	6.8	9.6	0.90	1.58	21			
22	13859	0.32	184.00	938.50	934.00	M	0.66	37.0	938.5	937.60	2.4	P	147.0	937.6	934.0	2.45	3.2	3.6	5.0	0.8	0.0	5.8	7.1	10.0	1.50	2.63	22			



NE INDEPENDENCE AVE



STREET PLAN & PROFILE
SCALE: 1" = 50'



Professional Registration
Missouri
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THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

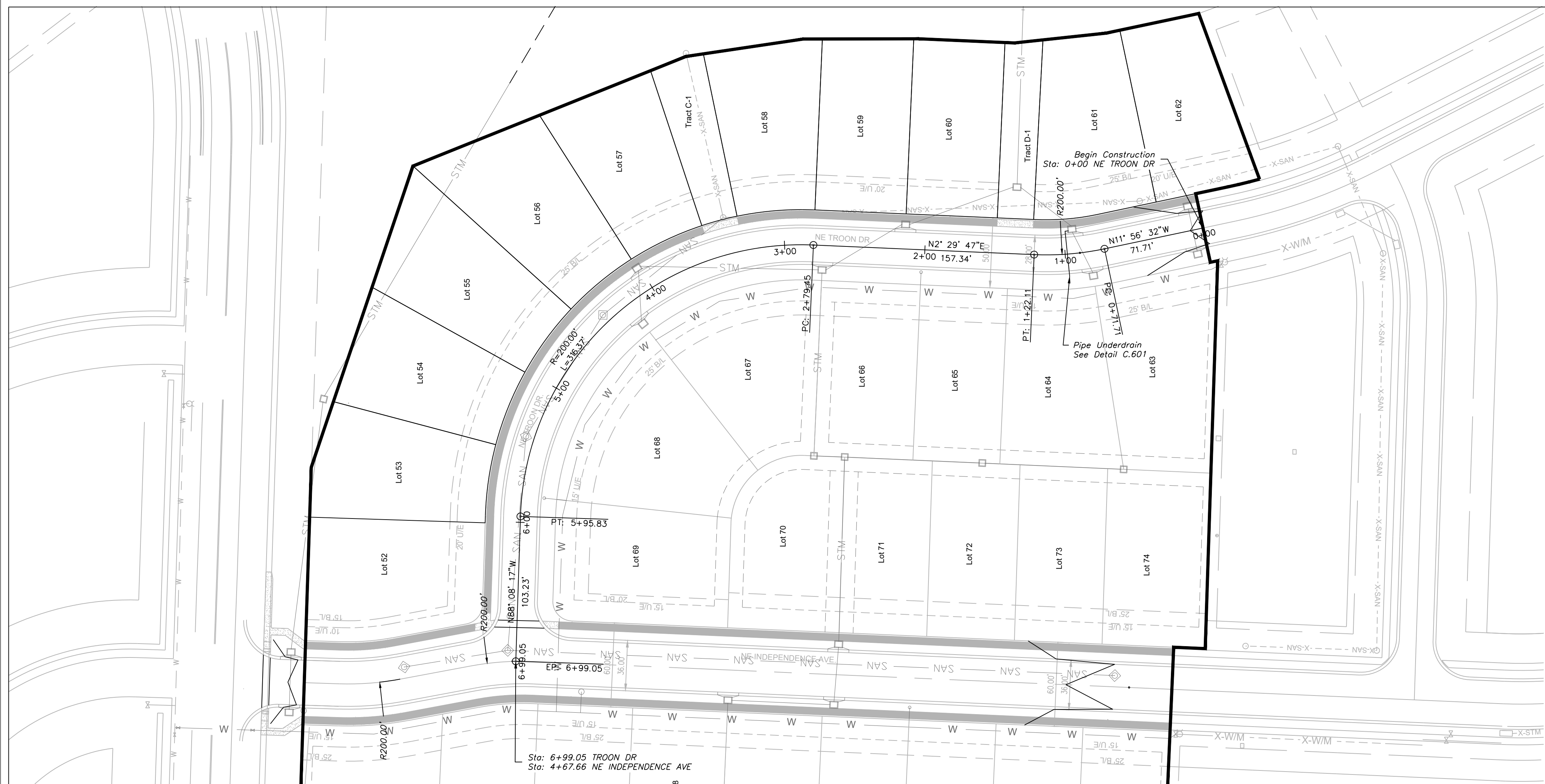
Project:
VILLAS OF CHAPEL
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Issue Date:
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Street Plan and Profile
Construction Plans for:
THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

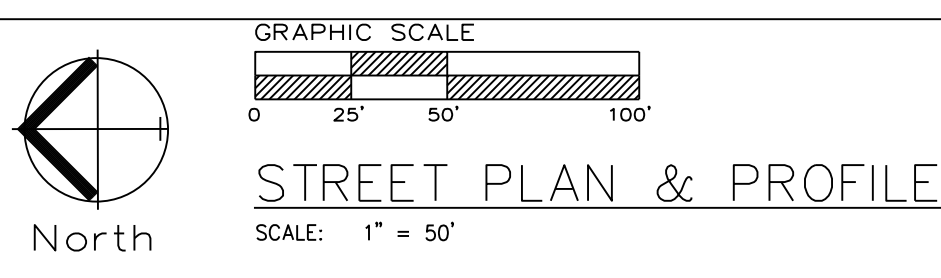
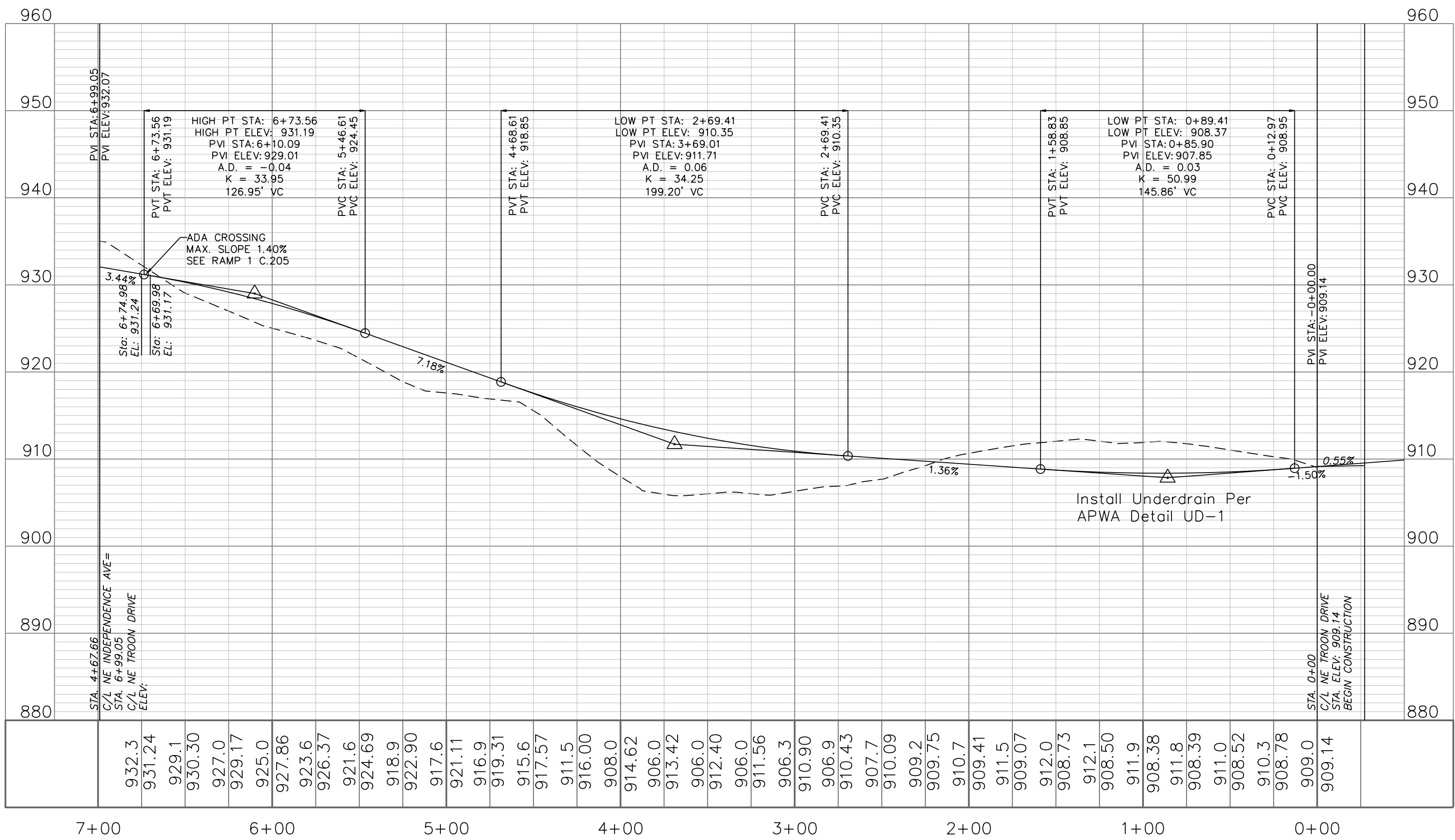


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NE TROON DRIVE



GRAPHIC SCALE

STREET PLAN & PROFILE

SCALE: 1" = 50'

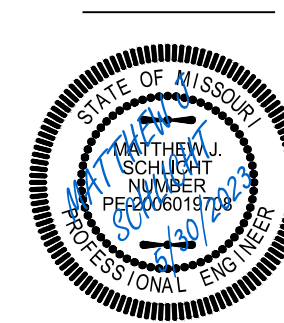


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THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

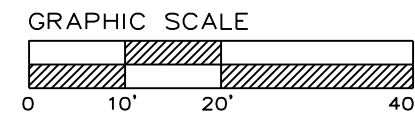
Project:
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Street Plan and Profile
Construction Plans for:
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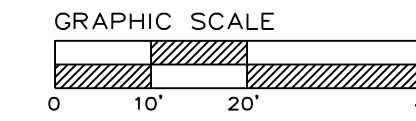
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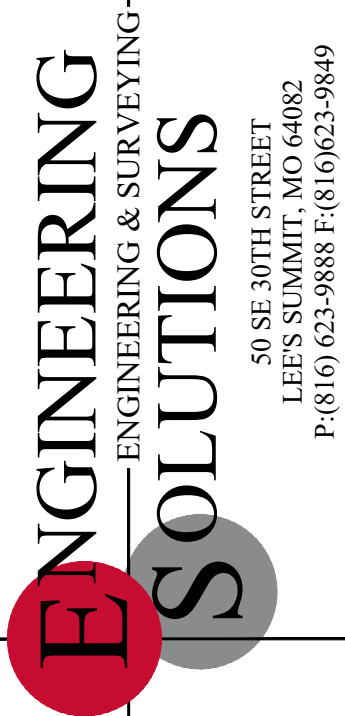
SCALE: 1" = 20'



SPOT ELEVATION TABLE				
	Ramp 1	Ramp 2		
Spot	Elevation	Elevation		
A	928.11	930.84		
B	928.31	931.00		
C	928.43	931.17		
D	928.31	931.00		
E	928.09	930.83		
F	928.15	930.92		
G	928.39	931.08		
H	928.50	931.24		
I	928.39	931.07		
J	928.17	930.90		



SCALE: 1" = 20'

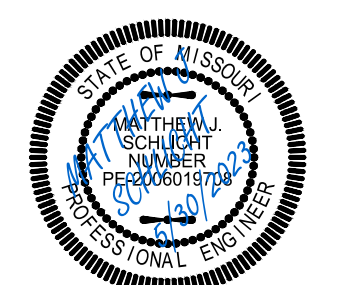


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THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

Project: VILLAS OF CHAPEL
RIDGE, LSMO
Issue Date: June 24, 2022

**Sidewalk and
Intersection Plan**
Construction Plans for:
THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri



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1	REV. 8/12/2022
2	REV. 10/3/2022
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Storm Sewer General Layout

Construction Plans for:

THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

Project:

VILLAS OF CHAPEL
RIDGE-LSMO

Issue Date:

June 24, 2022

Professional Engineer

MATTHEW J. SCHLICHT

Professional Engineer

Matthew J. Schlicht

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KS PE 19071
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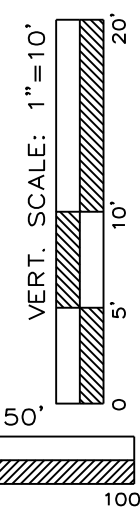
REVISIONS

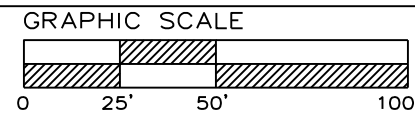
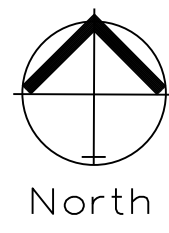
REV. 8/12/2022

REV. 10/3/2022

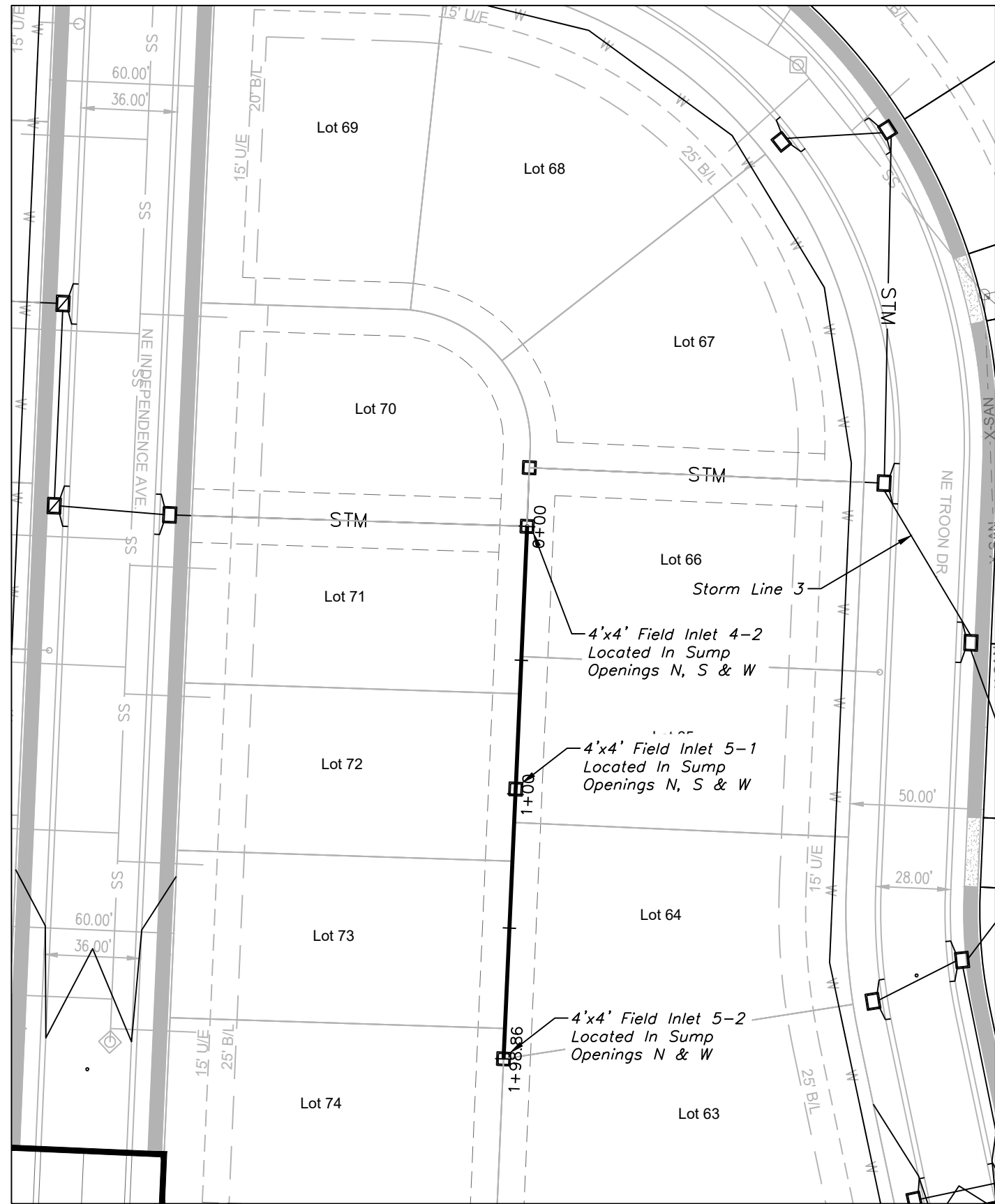
REV. 4/26/2023

C. 300

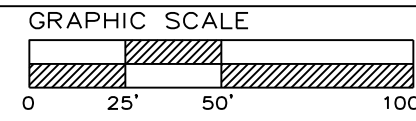
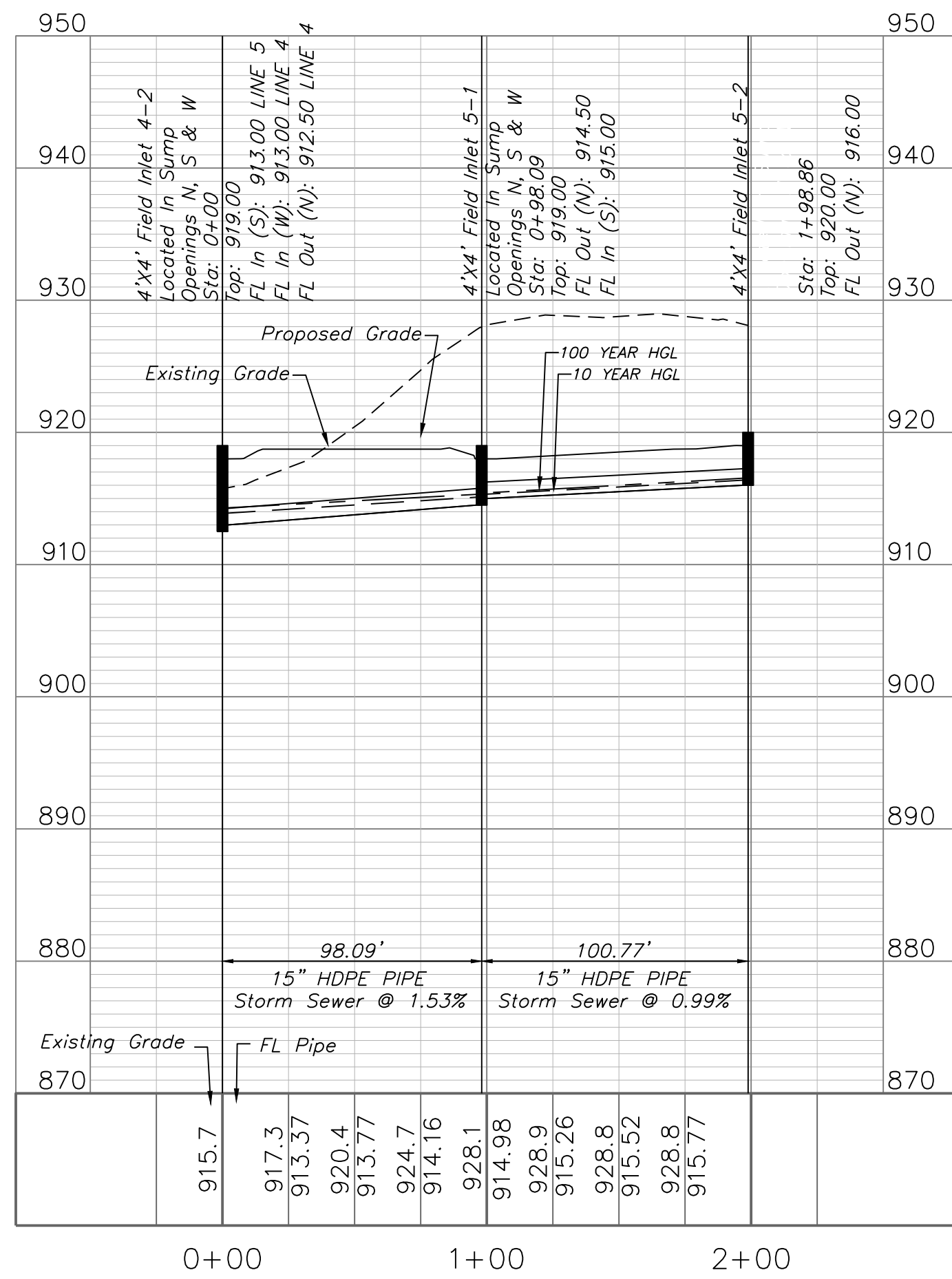




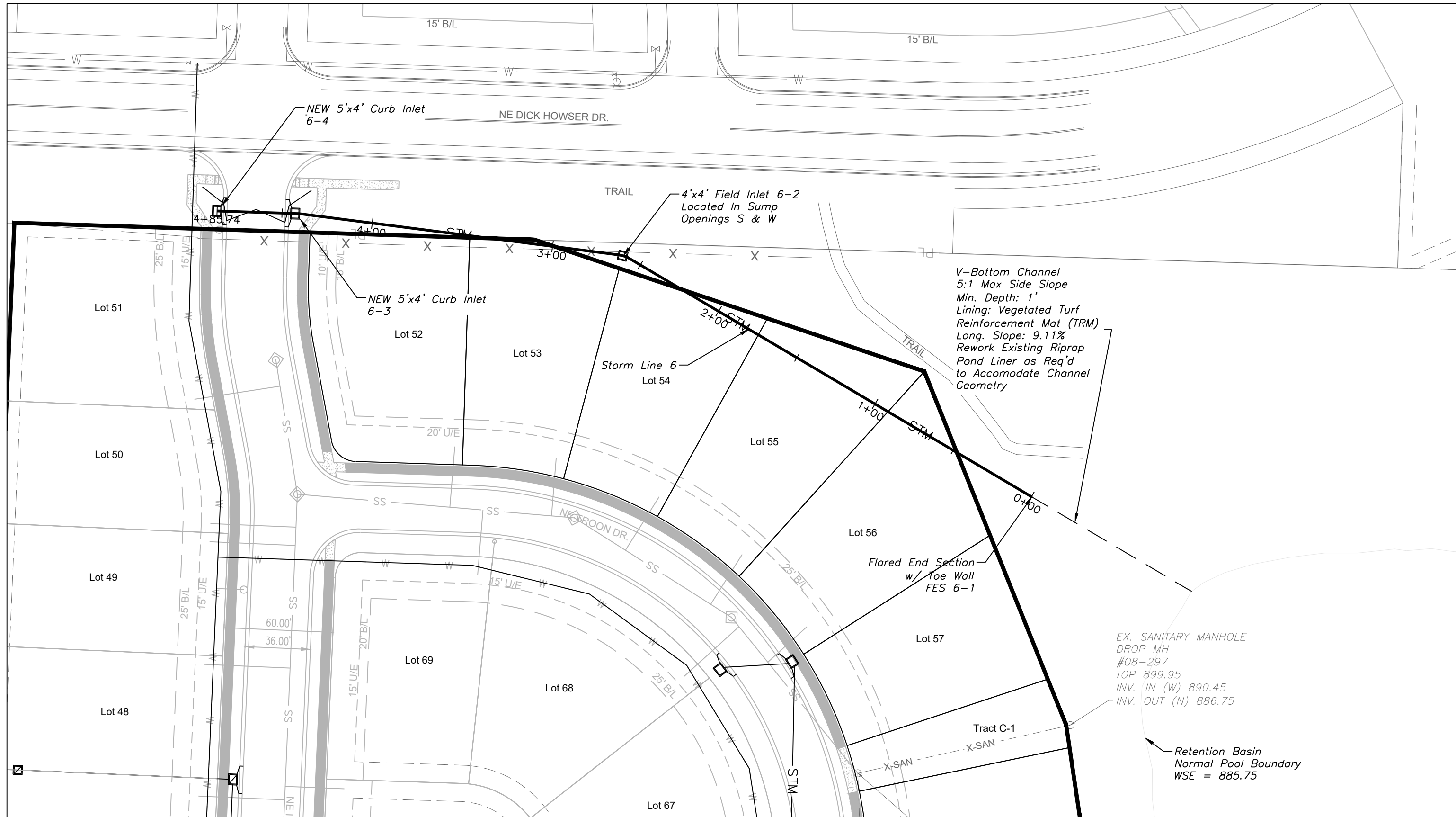
STORM SEWER PLAN & PROFILE
SCALE: 1" = 50'



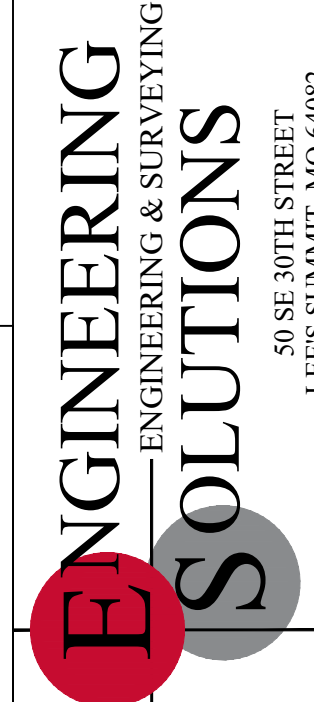
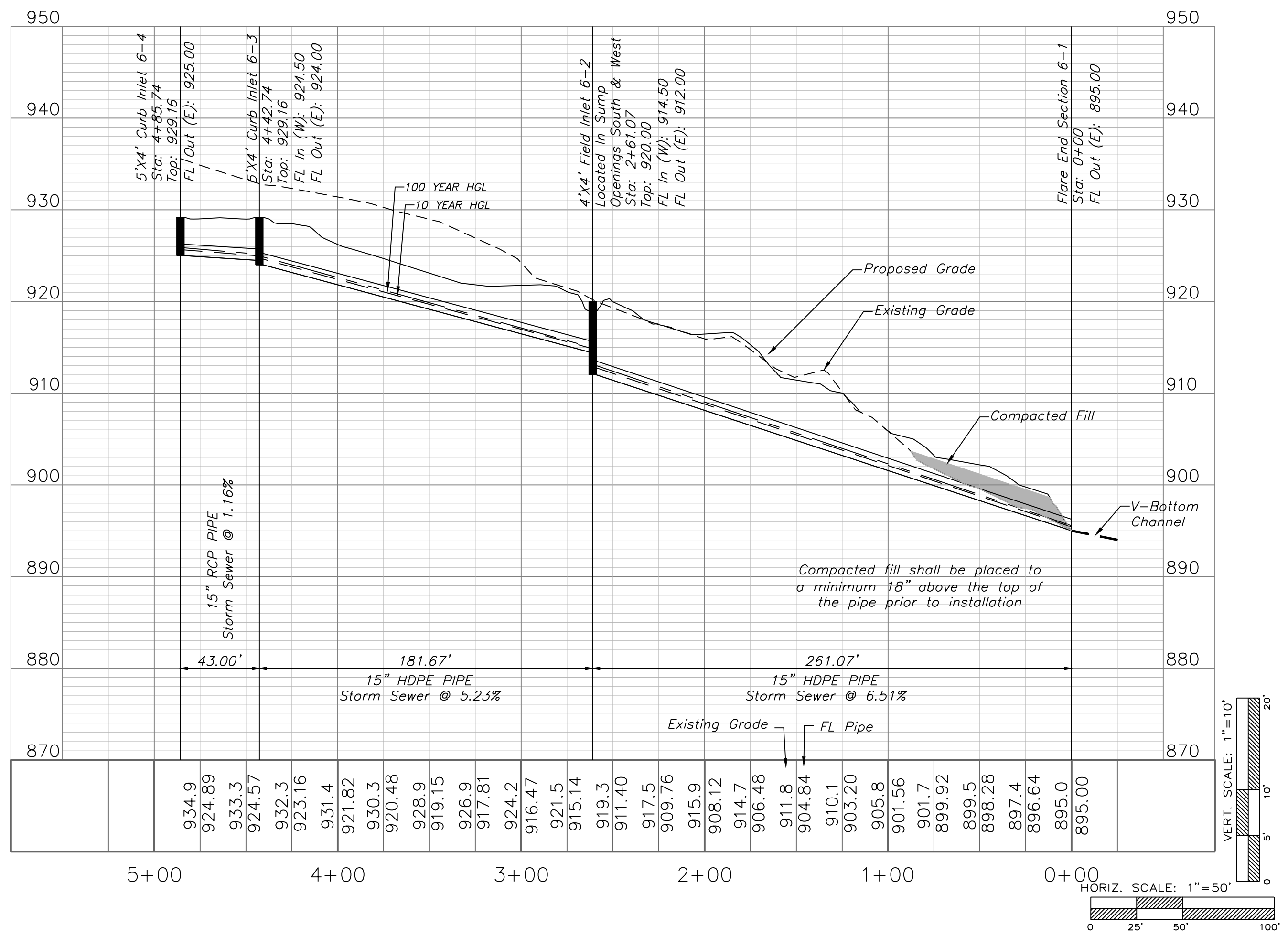
STORM LINE 5



STORM SEWER PLAN & PROFILE
SCALE: 1" = 50'



STORM LINE 6

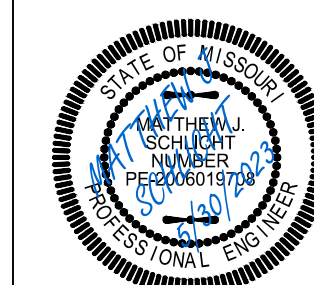


Professional Registration
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Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
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THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

Project:
VILLAS OF CHAPEL
RIDGE-LSMO
Issue Date:
June 24, 2022

Storm Sewer Plan and Profile
Construction Plans for:
THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri



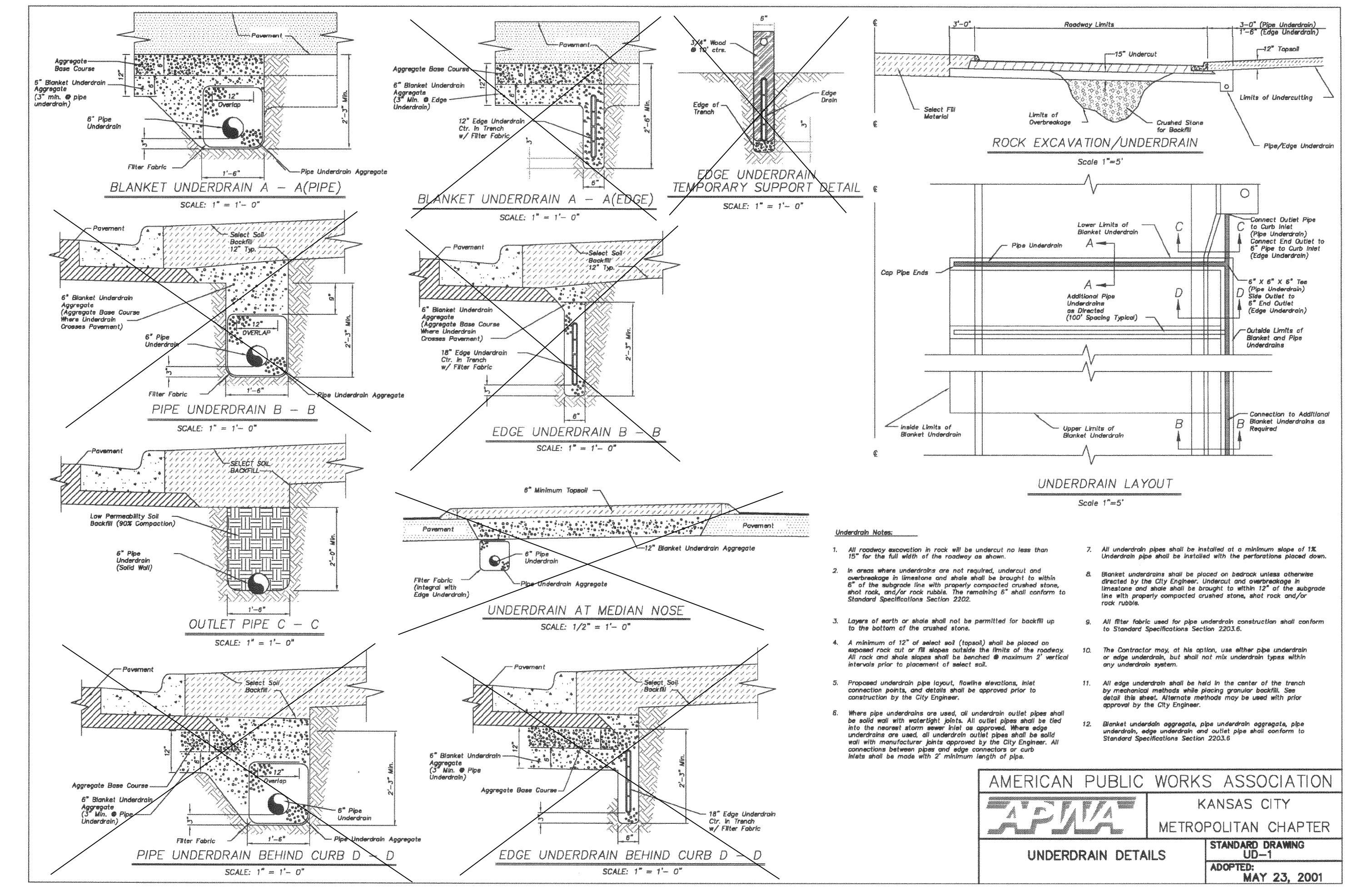
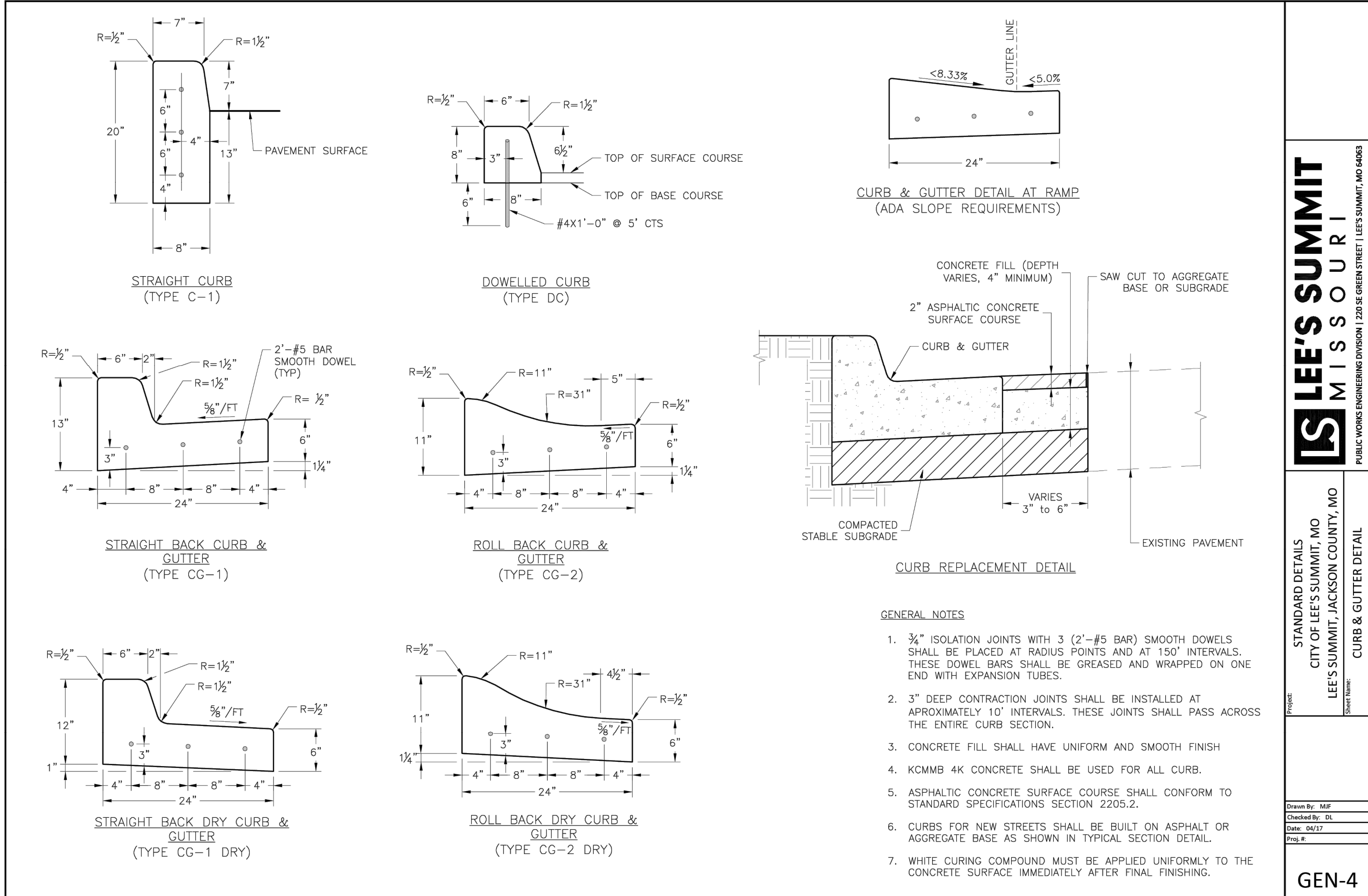
Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226
NE PE E-14335

REVISIONS
REV. 8/12/2022
REV. 10/3/2022
REV. 4/26/2023

10-YR STRUCTURE																							
D.S. Str.	Str. No.	Area (ac)	InletTime (min)	Int. (in/hr)	RunoffCoeff. (C)	Q=CIA (cfs)	Q Carry-over (cfs)	QCaptured (cfs)	QBypassed (cfs)	JunctType	CurbHeight (in)	CurbLength (ft)	GutterSlope (ft/ft)	GutterWidth (ft)	CrossSlope, Sw (ft/ft)	CrossSlope, Sx (ft/ft)	LocalDepr. (in)	InletDepth (ft)	BypassDepth (ft)	BypassSpread (ft)	GutterDepth (ft)	GutterSpread (ft)	Bypass Str.
1-1	1-2	0	0		0	0	....	....	....	MH													....
1-2	1-3	0.21	5.8	7.11	0.66	0.99	0.2	1.19	0	Curb	3.8	5	Sag	2	0.05	0.02	9	0.96	n/a	n/a	0.21	7.66	Sag
1-3	1-4R	0.68	6.6	6.9	0.66	3.09	0.83	3.92	0	Curb	3.8	5	Sag	2	0.05	0.02	9	1.15	n/a	n/a	0.4	16.99	Sag
1-4R	1-4L	0.24	5.4	7.23	0.66	1.14	0.81	1.95	0	Curb	3.8	5	Sag	2	0.05	0.02	9	1.02	n/a	n/a	0.27	10.67	Sag
1-3	2-1	0.17	6.4	6.95	0.66	0.78	0	0.78	0	Curb	3.8	5	0.015	2	0.05	0.02	9	0.9	0	0	0.15	4.69	1-3
2-1	2-2	0.73	5.8	7.11	0.66	3.43	0	2.62	0.81	Curb	3.8	5	0.015	2	0.05	0.02	9	1	0.16	4.78	0.25	9.29	1-4L
1-2	3-1	0.22	5.7	7.14	0.66	1.04	1.05	1.88	0.2	Curb	3.8	5	0.017	2	0.05	0.02	9	0.96	0.09	1.87	0.21	7.3	1-3
3-1	3-2	0.72	5.8	7.11	0.66	3.38	0	2.55	0.83	Curb	3.8	5	0.017	2	0.05	0.02	9	0.99	0.15	4.68	0.24	8.99	1-4R
3-2	3-3	0.31	5.6	7.17	0.66	1.47	1.55	1.97	1.05	Curb	3.8	5	0.062	2	0.05	0.02	9	0.94	0.13	3.71	0.19	6.44	3-1
3-3	3-4	0.79	6.7	6.87	0.66	3.58	0.04	2.08	1.55	Curb	3.8	5	0.08	2	0.05	0.02	9	0.94	0.15	4.32	0.19	6.61	3-3
3-2	4-1	0.15	5	7.34	0.66	0.73	0	0.73	0	Dp-Curb	6	12	Sag	....	0.02	0.02	....	0.07	n/a	n/a	0.07	3.7	Sag
4-1	4-2	0.09	5.1	7.31	0.66	0.43	0	0.43	0	Dp-Curb	6	12	Sag	....	0.02	0.02	....	0.05	n/a	n/a	0.05	2.63	Sag
4-2	4-3	0.32	5.8	7.11	0.66	1.5	0	1.46	0.04	Curb	3.8	5	0.019	2	0.05	0.02	9	0.93	0.05	1.02	0.18	6.13	3-4
4-3	4-4	1.38	7.1	6.77	0.66	6.16	0	3.46	2.71	Curb	3.8	5	0.019	2	0.05	0.02	9	1.04	0.22	7.99	0.29	11.26	4-5
4-4	4-5	0.2	6.8	6.84	0.66	0.9	2.71	2.44	1.17	Curb	3.8	5	0.015	2	0.02	0.02	9	0.95	0.13	6.57	0.2	10.01	6-4
4-5	4-6	0.76	5.6	7.17	0.66	3.6	0	3.6	0	Dp-Curb	6	16	Sag	....	0.02	0.02	....	0.18	n/a	n/a	0.18	8.88	Sag
4-2	5-1	0.29	5.3	7.26	0.66	1.39	0	1.39	0	Dp-Curb	6	12	Sag	....	0.02	0.02	....	0.11	n/a	n/a	0.11	5.7	Sag
5-1	5-2	0.23	5.1	7.31	0.66	1.11	0	1.11	0	Dp-Curb	6	12	Sag	....	0.02	0.02	....	0.1	n/a	n/a	0.1	4.91	Sag
6-1	6-2	0.38	7.2	6.74	0.66	1.69	0	1.69	0	Dp-Curb	6	8	Sag	....	0.02	0.02	....	0.17	n/a	n/a	0.17	8.52	Sag
6-2	6-3	0.13	7.2	6.74	0.66	0.58	0	0.58	0	Curb	3.8	5	0.038	2	0.05	0.02	9	0.87	0	0	0.12	2.94	Offsite
6-3	6-4	0.61	7.2	6.74	0.66	2.71	1.17	2.44	1.45	Curb	3.8	5	0.038	2	0.05	0.02	9	0.97	0.16	5.08	0.22	8.04	Offsite

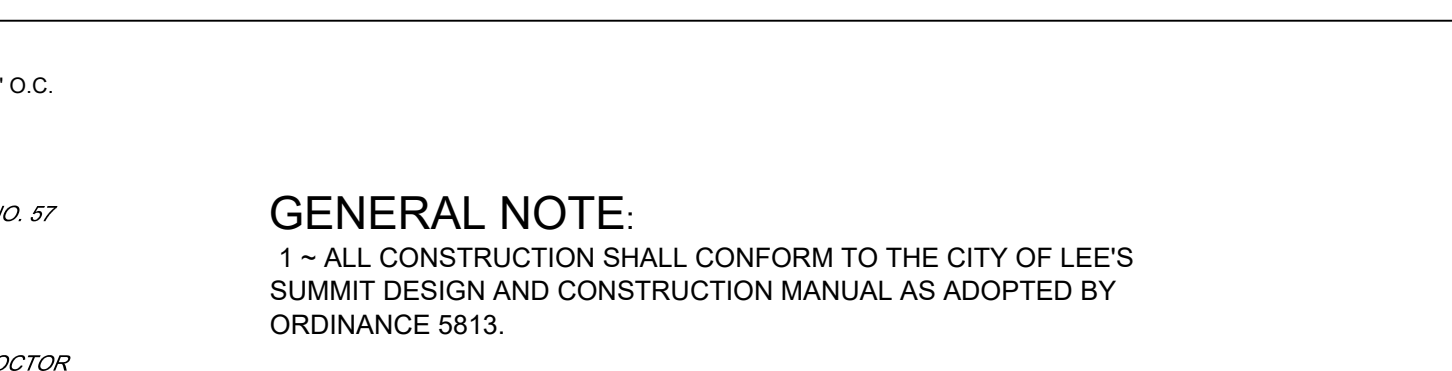
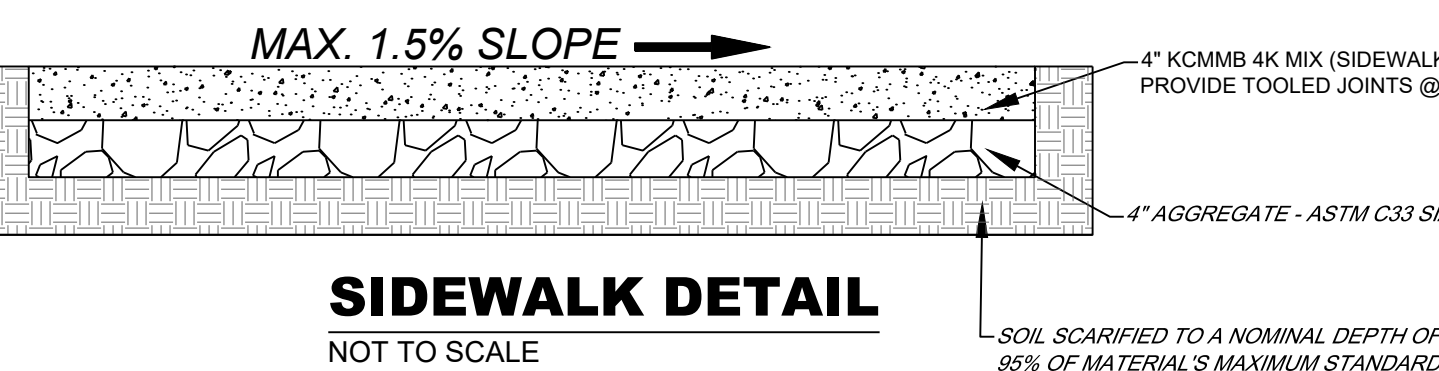
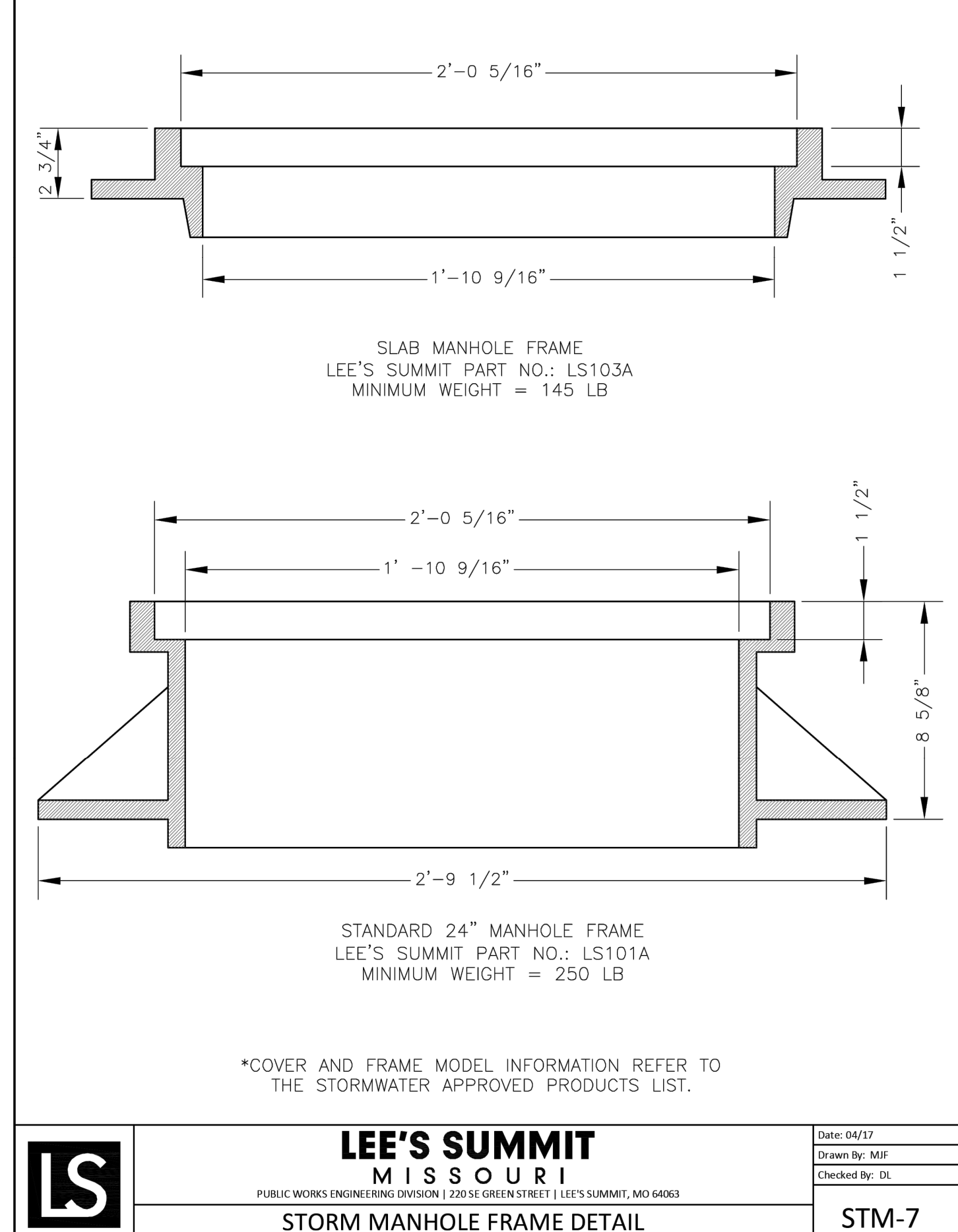
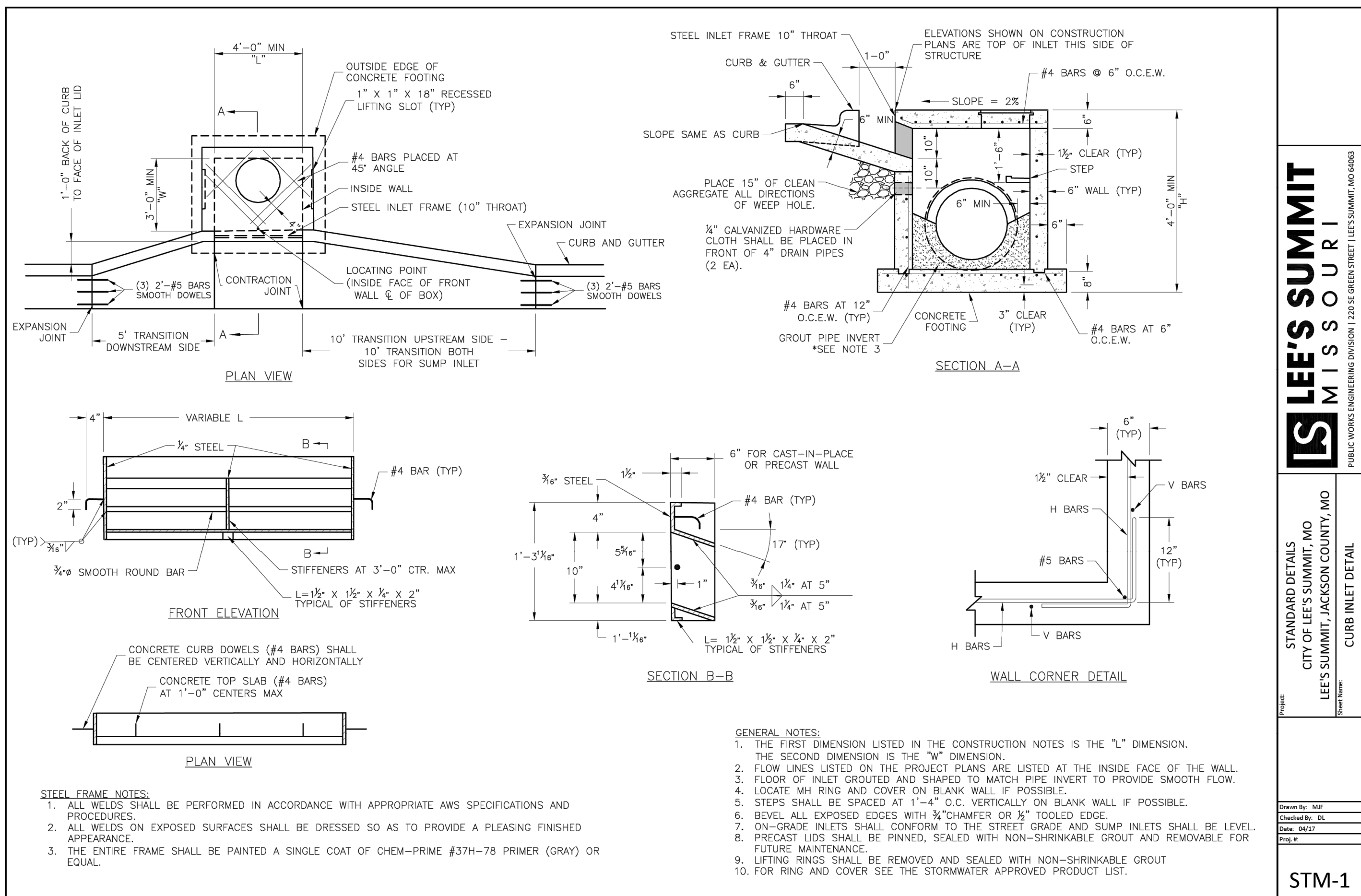
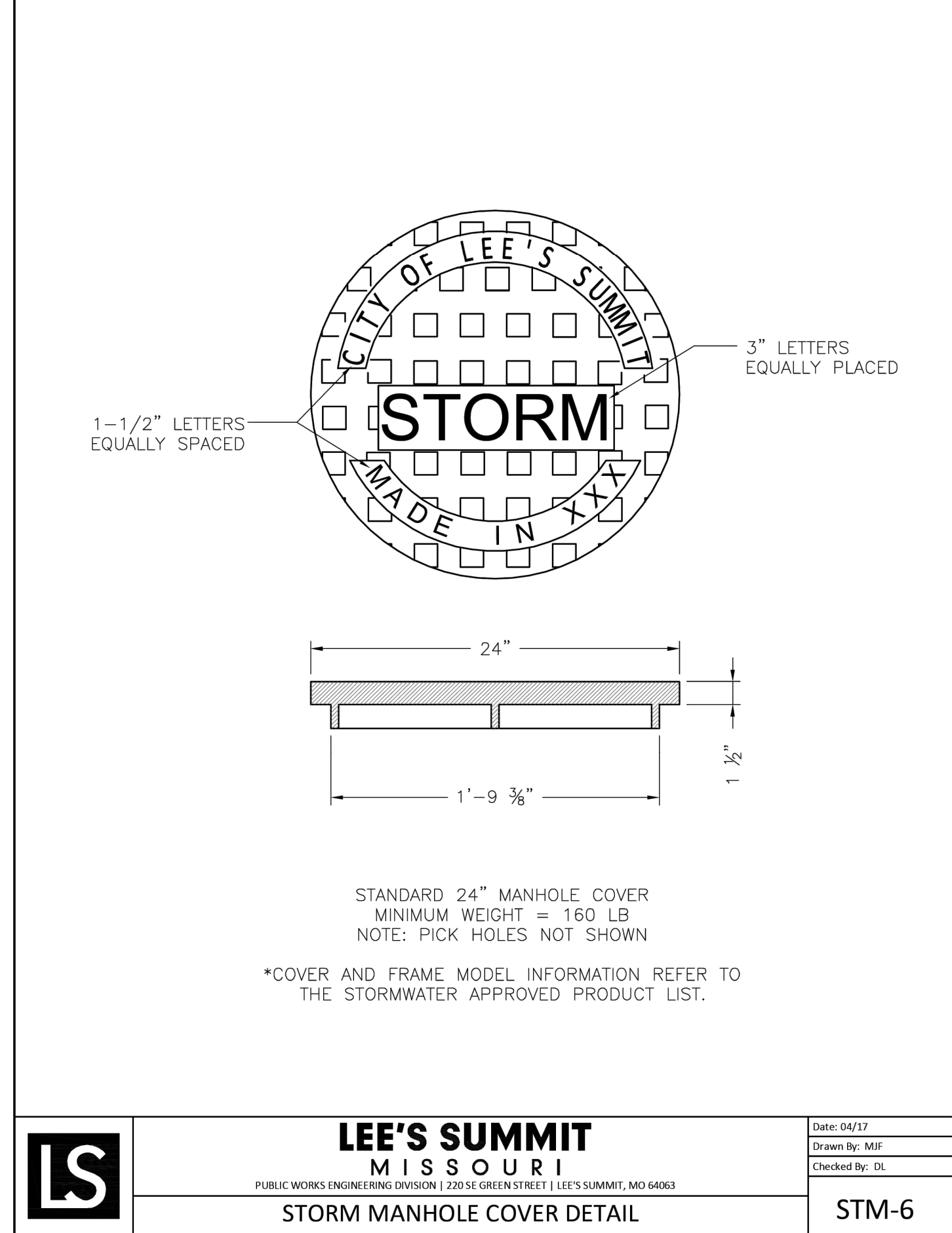
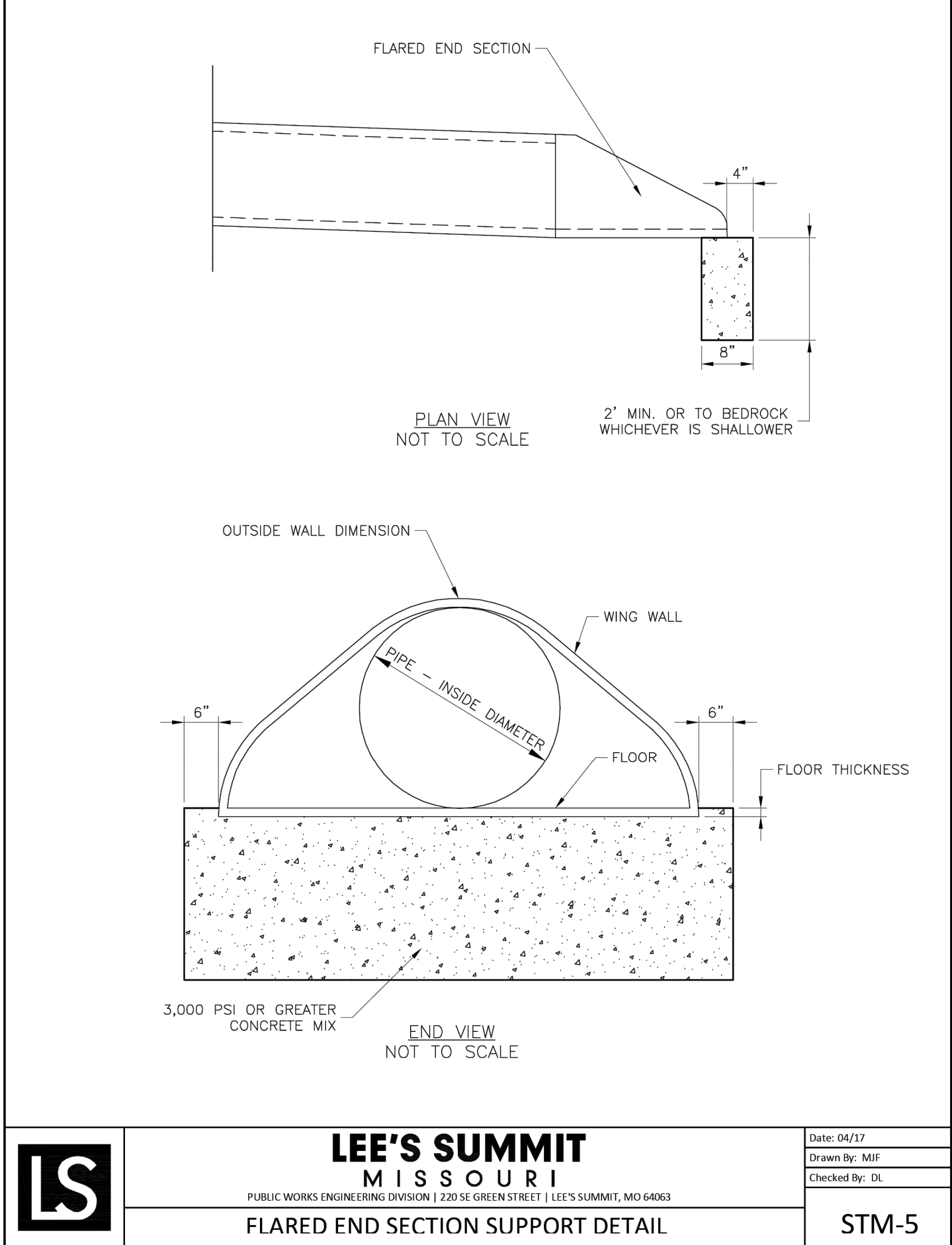
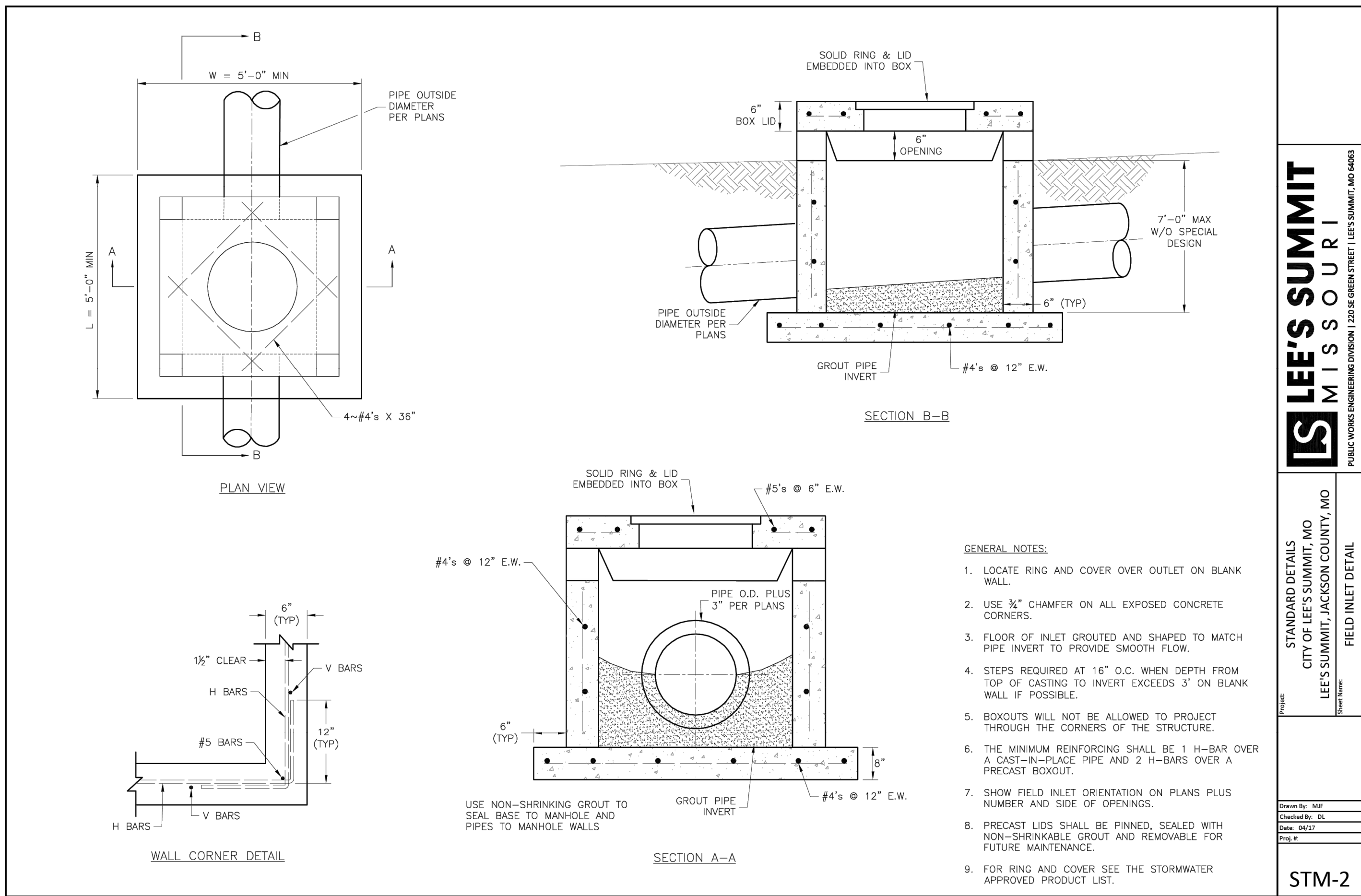
10-YR PIPE																						
D.S. Str.	U.S. Str.	LineLength (ft)	Incr.Area (ac)	TotalArea (ac)	RunoffCoeff. (C)	IncrC x A	TotalC x A	InletTime (min)	TimeConc (min)	RnfallInt (in/hr)	TotalRunoff (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (ft/s)	PipeSize (in)	PipeSlope (%)	Inv ElevDn (ft)	Inv ElevUp (ft)	HGLDn (ft)	HGLUp (ft)	Grnd/RimDn (ft)	Grnd/RimUp (ft)
1-1	1-2	173.94	0	7.49	0	0	4.94	0	8.1	6.5	32.26	32.26	140.04	15.55	30	6.90	886.50	898.50	887.32	900.43	0.00	908.00
1-2	1-3	50.27	0.21	2.03	0.66	0.14	1.34	5.8	6.7	6.9	9.2	9.2	31.93	10.91	18	5.47	900.50	903.25	901.05	904.42	908.00	908.47
1-3	1-4R	36.85	0.68	0.92	0.66	0.45	0.61	6.6	6.6	6.9	4.19	4.19	6.91	5.38	15	0.68	904.00	904.25	904.70	905.08	908.47	908.48
1-4R	1-4L	1	0.24	0.24	0.66	0.16	0.16	5.4	5.4	7.2	1.14	1.14	59.36	2.24	15	50.00	904.25	904.75	905.08	905.17	908.48	908.48
1-3	2-1	84.05	0.17	0.9	0.66	0.11	0.59	6.4	6.4	6.9	4.13	4.13	6.47	5.21	15	0.59	903.75	904.25	904.48	905.07	908.47	909.13
2-1	2-2	34.97	0.73	0.73	0.66	0.48	0.48	5.8	5.8	7.1	3.43	3.43	7.1	5.11	15	0.71	904.75	905.00	905.36	905.75	909.13	909.13
1-2	3-1	83.98	0.22	5.46	0.66	0.15	3.6	5.7	7.9	6.6	23.67	23.67	58.18	7.5	30	1.19	899.00	900.00	900.43	901.66	908.00	909.70
3-1	3-2	68.55	0.72	5.24	0.66	0.48	3.46	5.8	7.8	6.6	22.82	22.82	30.76	9.37	24	1.09	900.75	901.50	902.03	903.20	909.70	910.49
3-2	3-3	132.24	0.31	1.1	0.66	0.2	0.73	5.6	6.8	6.8	4.97	4.97	21.28	5.1	15	6.43	902.25	910.75	903.20	911.65	910.49	914.81
3-3	3-4	40.46	0.79	0.79	0.66	0.52	0.52	6.7	6.7	6.9	3.58	3.58	19.8	7.51	15	5.56	911.25	913.50	911.65	914.26	914.81	915.87
3-2	4-1	132.52	0.15	3.42	0.66	0.1	2.26	5	7.5	6.7	15.06	15.06	67.58	7.04	24	5.28	902.00	909.00	903.20	910.40	910.49	923.00
4-1	4-2	21.92	0.09	3.27	0.66	0.06	2.16	5.1	7.4	6.7	14.42	14.42	108.78	8.43	24	13.69	909.50	912.50	910.40	913.87	923.00	923.00
4-2	4-3	133.44	0.32	2.66	0.66	0.21	1.76	5.8	7.2	6.7	11.84	11.84	44.22	9.21	18	10.49	913.00	927.00	913.87	928.31	923.00	935.06
4-3	4-4	43.26	1.38	2.34	0.66	0.91	1.54	7.1	7.1	6.8	10.45	10.45	17.37	7.08	18	1.62	927.20	927.90	928.31	929.14	935.06	935.03
4-4	4-5	75.5	0.2	0.96	0.66	0.13	0.63	6.8	6.8	6.8	4.34	4.34	9.66	5.32	15	1.32	928.40	929.40	929.14	930.24	935.03	933.82
4-5	4-6	118.44	0.76	0.76	0.66	0.5	0.5	5.6	5.6	7.2	3.6	3.6	8.96	5.73	15	1.14	929.90	931.25	930.45	932.02	933.82	935.00
4-2	5-1	98.09	0.29	0.52	0.66	0.19	0.34	5.3	5.5	7.2	2.47	2.47	10.38	3.35	15	1.53	913.00	914.50	913.87	915.13	923.00	920.40
5-1	5-2	100.77	0.23	0.23	0.66	0.15	0.15	5.1	5.1	7.3	1.11	1.11	8.36	3.92	15	0.99	915.00	916.00	915.31	916.41	920.40	922.00
6-1	6-2	261.07	0.38	1.12	0.66	0.25	0.74	7.2	7.7	6.6	4.89	4.89	21.42	9.67	15	6.51	895.00	912.00	895.41	912.90	0.00	920.00
6-2	6-3	181.67	0.13	0.74	0.66	0.09	0.49	7.2	7.3	6.7	3.28	3.28	19.2	8.04	15	5.23	914.50	924.00	914.85	924.73	920.00	929.16
6-3	6-4	43	0.61	0.61	0.66	0.4	0.4	7.2	7.2	6.7	2.71	2.71	9.05	5.28	15	1.16	924.50	925.00	924.97	925.66	929.16	929.16

100-YR STRUCTURE																							
D.S. Str.	Str. No.	Area (ac)	InletTime (min)	Int. (in/hr)	RunoffCoeff. (C)	Q=CIA (cfs)	Q Carry-over (cfs)	QCaptured (cfs)	QBypassed (cfs)	JunctType	CurbHeight (in)	CurbLength (ft)	GutterSlope (ft/ft)	GutterWidth (ft)	CrossSlope, Sw (ft/ft)	CrossSlope, Sx (ft/ft)	LocalDepr. (in)	InletDepth (ft)	BypassDepth (ft)	BypassSpread (ft)	GutterDepth (ft)	GutterSpread (ft)	Bypass Str.
1-1	1-2	0	0		0	0	....	....	....	MH													....
1-2	1-3	0.21	5.8	12.52	0.66	1.74	2.16	3.9	0	Curb	3.8	5	Sag	2	0.05	0.02	9	1.15	n/a	n/a	0.4	16.92	Sag
1-3	1-4R	0.68	6.6	12.17	0.66	5.46	2.49	7.95	0	Curb	3.8	5	Sag	2	0.05	0.02	9	1.35	n/a	n/a	0.6	27.23	Sag
1-4R	1-4L	0.24	5.4	12.71	0.66	2.01	2.48	4.49	0	Curb	3.8	5	Sag	2	0.05	0.02	9	1.18	n/a	n/a	0.43	18.6	Sag
1-3	2-1	0.17	6.4	12.26	0.66	1.38	0	1.37	0	Curb	3.8	5	0.015	2	0.05	0.02	9	0.93	0.02	0.47	0.18	6.22	1-3
2-1	2-2	0.73	5.8	12.52	0.66	6.03	0	3.55	2.48	Curb	3.8	5	0.015	2	0.05	0.02	9	1.04	0.22	8.09	0.29	11.7	1-4L
1-2	3-1	0.22	5.7	12.57	0.66	1.82	3.65	3.31	2.16	Curb	3.8	5	0.017	2	0.05	0.02	9	1.03	0.21	7.41	0.28	10.97	1-3
3-1	3-2	0.72	5.8	12.52	0.66	5.95	0	3.46	2.49	Curb	3.8	5	0.017	2	0.05	0.02	9	1.04	0.22	7.89	0.29	11.35	1-4R
3-2	3-3	0.31	5.6	12.61	0.66	2.58	3.97	2.91	3.65	Curb	3.8	5	0.062	2	0.05	0.02	9	0.99	0.2	7.02	0.24	9.05	3-1
3-3	3-4	0.79	6.7	12.13	0.66	6.32	0.47	2.82	3.97	Curb	3.8	5	0.08	2	0.05	0.02	9	0.98	0.2	6.89	0.23	8.71	3-3
3-2	4-1	0.15	5	12.9	0.66	1.28	0	1.28	0	Dp-Curb	6	12	Sag	....	0.02	0.02	....	0.11	n/a	n/a	0.11	5.39	Sag
4-1	4-2	0.09	5.1	12.85	0.66	0.76	0	0.76	0	Dp-Curb	6	12	Sag	....	0.02	0.02	....	0.08	n/a	n/a	0.08	3.82	Sag
4-2	4-3	0.32	5.8	12.52	0.66	2.64	0	2.17	0.47	Curb	3.8	5	0.019	2	0.05	0.02	9	0.97	0.13	3.25	0.22	7.91	3-4
4-3	4-4	1.38	7.1	11.96	0.66	10.89	0	4.53	6.36	Curb	3.8	5	0.019	2	0.05	0.02	9	1.09	0.29	11.4	0.34	14.13	4-5
4-4	4-5	0.2	6.8	12.08	0.66	1.6	6.36	3.68	4.27	Curb	3.8	5	0.015	2	0.02	0.02	9	1.02	0.21	10.66	0.27	13.46	6-4
4-5	4-6	0.76	5.6	12.61	0.66	6.33	0	6.33	0	Dp-Curb	6	16	Sag	....	0.02	0.02	....	0.26	n/a	n/a	0.26	12.94	Sag
4-2	5-1	0.29	5.3	12.75	0.66	2.44	0	2.44	0	Dp-Curb	6	12	Sag	....	0.02	0.02	....	0.17	n/a	n/a	0.17	8.31	Sag
5-1	5-2	0.23	5.1	12.85	0.66	1.95	0	1.95	0	Dp-Curb	6	12	Sag	....	0.02	0.02	....	0.14	n/a	n/a	0.14	7.15	Sag
6-1	6-2	0.38	7.2	11.92	0.66	2.99	0	2.99	0	Dp-Curb	6	8	Sag	....	0.02	0.02	....	0.25	n/a	n/a	0.25	12.46	Sag
6-2	6-3	0.13	7.2	11.92	0.66	1.02	0	1.01	0.01	Curb	3.8	5	0.038	2	0.05	0.02	9	0.89	0.03	0.55	0.14	4.22	Offsite
6-3	6-4	0.61	7.2	11.92	0.66	4.8	4.27	3.69	5.39	Curb	3.8	5	0.038	2	0.05	0.02	9	1.04	0.24	9.24	0.29	11.44	Offsite



GENERAL NOTE:

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



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