

Final Development Plan

NW ¼ Section 16, Township 47 North, Range 31 West
Lee's Summit, Jackson County, Missouri

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 - 298-1196
MISSOURI GAS ENERGY - 756-5261
SOUTHWESTERN BELL TELEPHONE - 761-5011
COMCAST CABLE - 785-1100
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

PROPERTY DESCRIPTION

Lot 294, Newberry Landings 1st Plat

OIL - GAS WELLS

ACCORDING TO EDWARD ALTON MAY JR'S ENVIRONMENTAL IMPACT STUDY OF ABANDONED OIL AND GAS WELLS IN LEE'S SUMMIT, MISSOURI IN 1995, THERE ARE NOT OIL AND GAS WELLS WITHIN 185 FEET OF THE PROPERTY AS SURVEYED HEREON.

FLOOD INFORMATION:

SITE IS LOCATED ON FIRM PANEL 29095C0438G, DATED JANUARY 20, 2017 THE SITE IS LOCATED IN ZONE "X".

INDEX OF SHEETS:

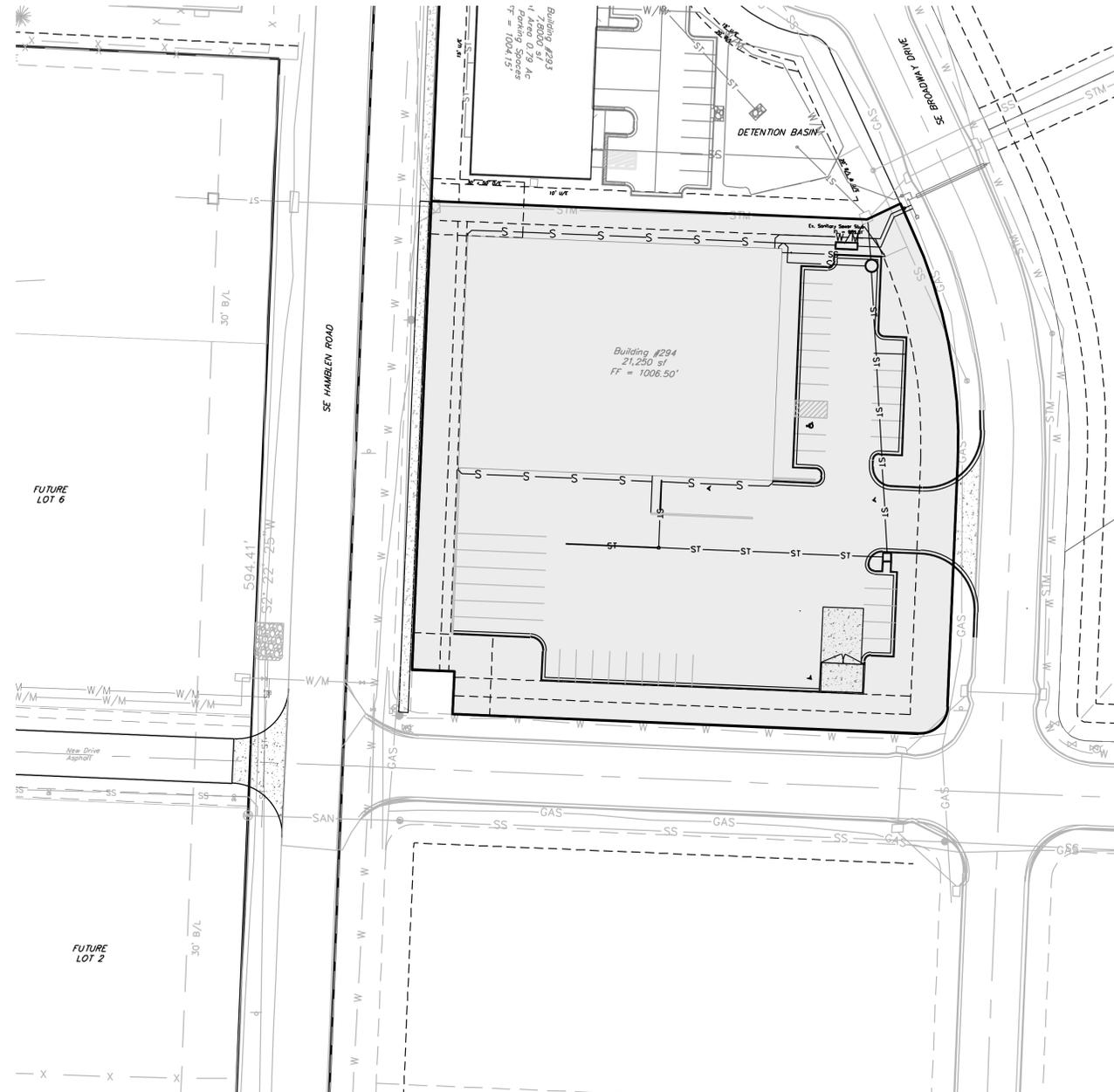
- C.001 ~ COVER SHEET
- C.050 ~ ESC PHASE 1 PLAN
- C.051 ~ ESC PHASE 2 PLAN
- C.052 ~ ESC PHASE 3 PLAN
- C.100 ~ SITE PLAN
- C.101 ~ DIMENSION PLAN
- C.200 ~ GRADING PLAN
- C.201 ~ SPOT ELEVATIONS
- C.202 ~ PRE-DEVELOPMENT DRAINAGE AREAS
- C.203 ~ POST-DEVELOPMENT DRAINAGE AREAS
- C.300 ~ ROOF DRAIN PLAN
- C.400 ~ UTILITY PLAN GENERAL LAYOUT
- C.401 ~ STANDARD DETAIL SHEET
- L.100 ~ LANDSCAPE PLAN
- L.100 ~ LANDSCAPE DETAILS

RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri
02/24/2026



Vicinity Map



ALL PAVING ON THE PARKING LOT WILL COMPLY WITH THE UNIFIED DEVELOPMENT ORDINANCE ARTICLE 12 IN TERMS OF PAVING THICKNESS AND BASE



North

FINAL DEVELOPMENT PLAN

SCALE: 1" = 40'

Site Data Table :

Lot Area: 77,968 sq. ft. (1.79 Ac.)

Building Area - Warehouse 17,937.50 sq. ft. (0.41 Acres)
Building Area - Office 3,312.50 sq. ft. (0.08 Acres)
Total Building Area 21,250 sq. ft. (0.49 Acres)

Parking/Sidewalk 31,750 sq. ft. (0.73 Acres)

Impervious Area 53,000 sq. ft. (1.22 Acres) 67.98% of Site

Floor-Area-Ratio 27.25%

Total Parking

Provided
32 Standard (1 ADA Accessible 1 ADA Van Accessible)

Required
Office: 4 Spaces per 1000 sq.ft. = 3.31 x 4 = 14 Spaces
Warehouse/Storage: 1 Spaces per 1000 sq.ft. = 17.94 x 1 = 18 Spaces
Total: 32 Spaces

Current Zoning: PI - Planned Industrial
Current Use: Vacant
Proposed Use: Commercial Office / Warehouse

Sanitary Sewer Service

Sanitary service will be provided from the existing sanitary sewer located on the east side of property.

Water Service

Water service will be provided from the existing main located on the east side of the property.



Professional Registration
Missouri
Engineering 200602185-D
Surveying 200509081H-C
Kansas
Engineering E-1695
Surveying LS-219
Oklahoma
Engineering 8254
Nebraska
Engineering CA2621

Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

Project: NEWBERRY LANDING, LS100
Issue Date: January 4, 2024

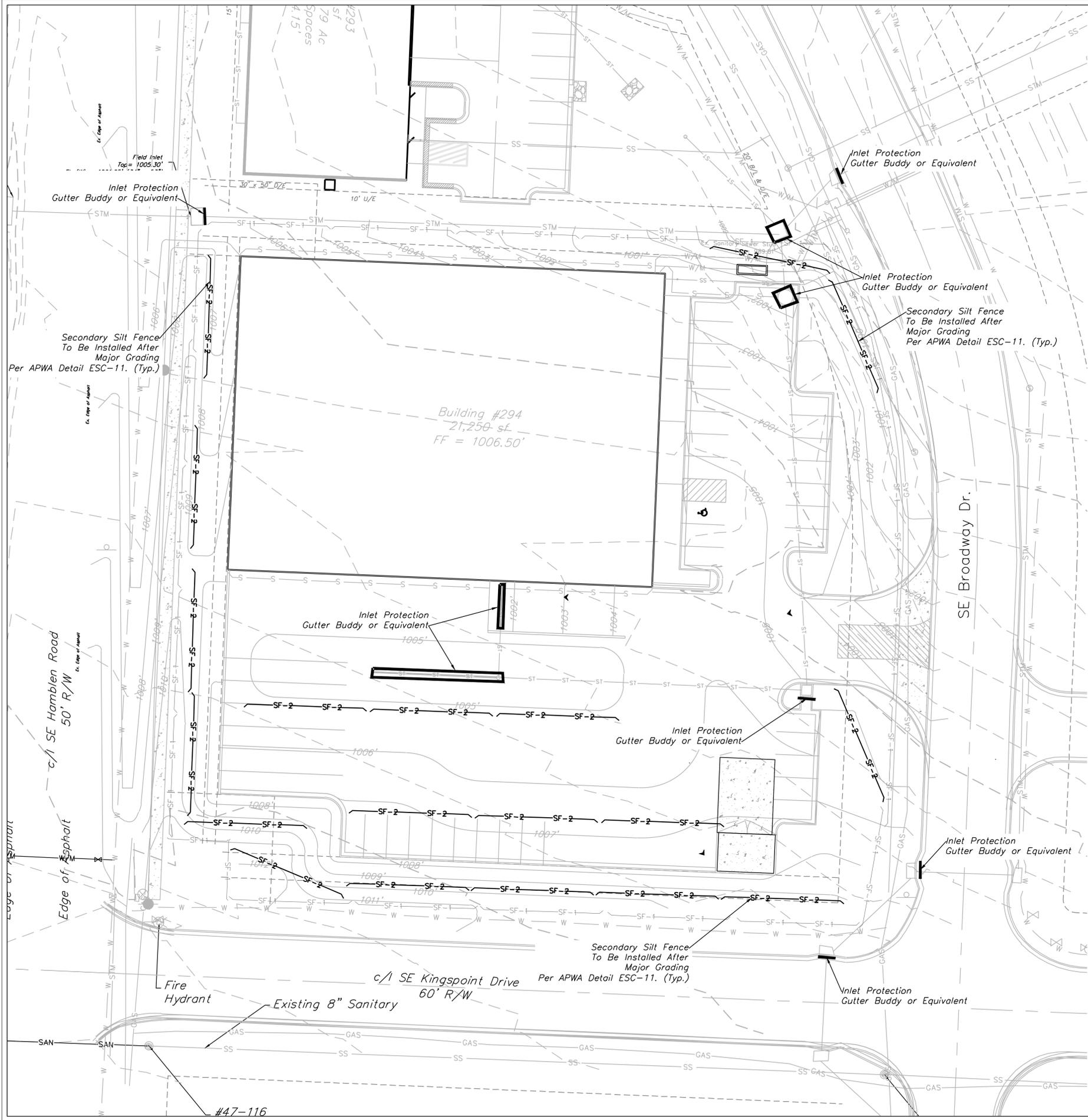
FINAL DEVELOPMENT PLAN
Construction Plans for:
Lot 294, Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri



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

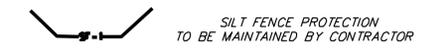
REVISIONS
12-09-2024
REV. 12/20/2024
REV. 9/25/25
REV. 2/23/26

PRCOM20246426



INACTIVE AREA STABILIZATION PLAN

SCALE: 1" = 20'



LEGEND

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

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.
 REMOVED SEDIMENT TRAP ONCE SITE GRADING HAS BEEN COMPLETED AND STORM DEVICES HAVE BEEN INSTALLED.

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 SEEDING WITH WHEAT/RYE AT A RATE OF 1.5 POUNDS PER 1000 SQUARE FEET. PERMANENT SEEDING SHALL CONSIST OF 80% 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 SEEDING 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 RESEEDED.

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 ENTRANCES:** 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 LISTING 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.

RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri
02/24/2026

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.



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

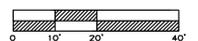
Professional Registration
Missouri
Engineering 202602185-D
Surveying 202603184-D
Kansas
Engineering 5-1895
Surveying 15-218
Oklahoma
Engineering 8254
Nebraska
Engineering CA2821

Project:
NEWBERRY
LANDING, LSNMO
Issue Date:
January 4, 2024

ESC PHASE 2 PLAN
Construction Plans for:
Lot 294, Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

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

REVISIONS
12-09-2024
REV. 12/20/2024
REV. 9/25/25
REV. 2/23/26



FINAL RESTORATION PLAN
SCALE: 1" = 20'

SILT FENCE PROTECTION
TO BE MAINTAINED BY CONTRACTOR

LEGEND



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:**
- 1) 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.
 - 2) Per Unified Ordinance Section 14.090.B.2. All portions of the site not covered with paving or buildings shall be landscaped. Open areas not covered with other materials shall be covered with seed. Ground cover shall be utilized on all slopes in excess of 3:1 slope.

SEED AND MULCH NOTES:

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 1 - Rye Grass / Blue Grass ----- 100 lbs. per Acre
 Mix 2 - 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.)

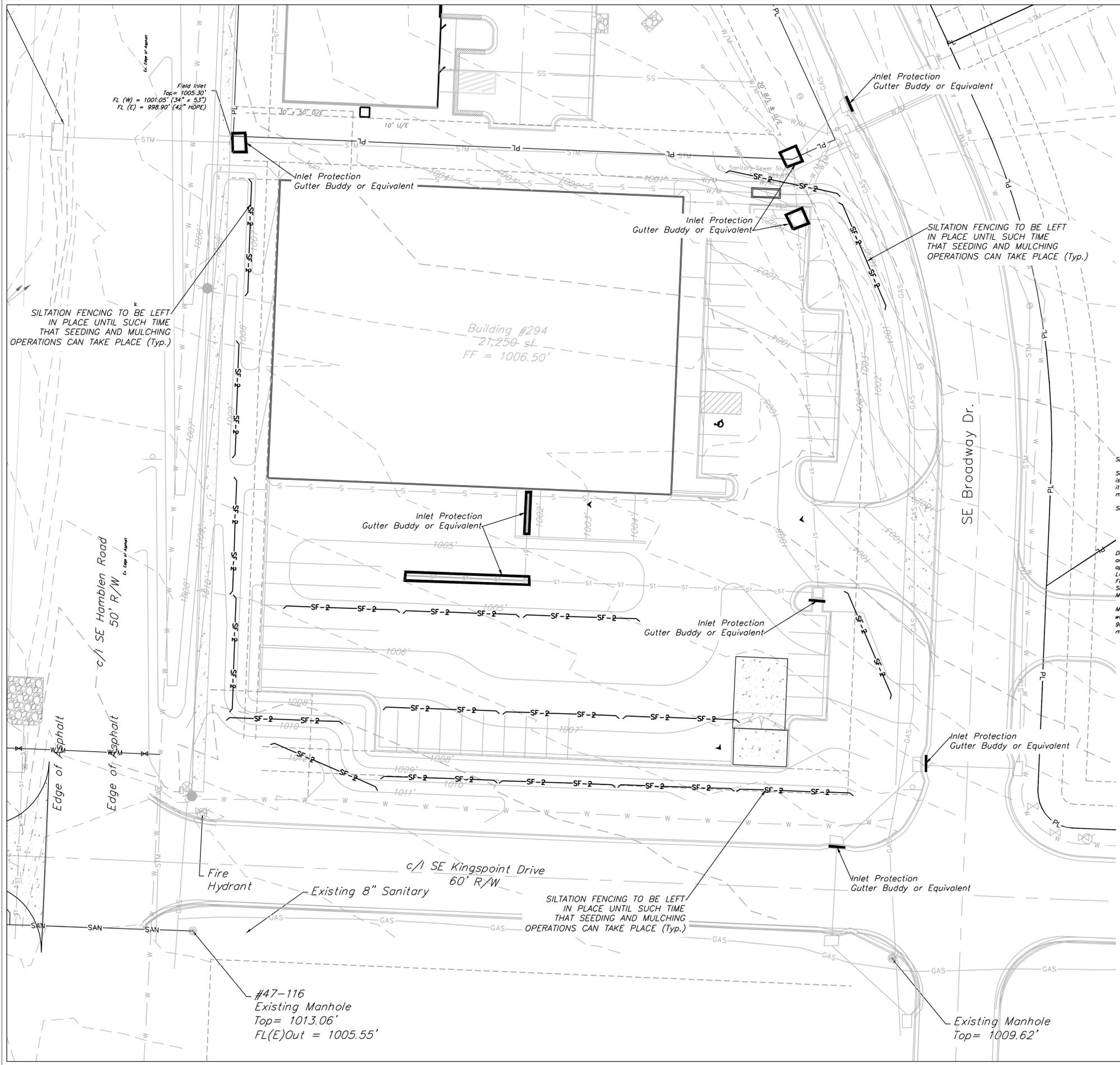
During the dates December 15th through May 31 ALL lime fertilizer, seed and mulch shall be applied to finished slopes of disturbed areas. During the months of June, July, October and November 1st through December 15th, lime fertilizer, seed and mulch shall be applied at the following rates:
 Lime - 100% 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.

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Development Services Department
Lee's Summit, Missouri

02/24/2026



Professional Registration
 Missouri
 Engineering 202602185-D
 Surveying 202603184-D
 Kansas
 Engineering 5-1886
 Surveying LS-218
 Oklahoma
 Engineering 8254
 Nebraska
 Engineering CA2821

Project: NEWBERRY LANDING, LSMO
 Issue Date: January 4, 2024

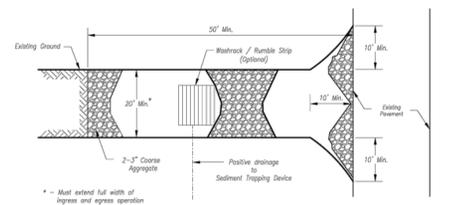
Project: ESC Phase 3 Plan
 Construction Plans for:
 Lot 294, Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri

Project: NEWBERRY LANDING, LSMO
 Issue Date: January 4, 2024

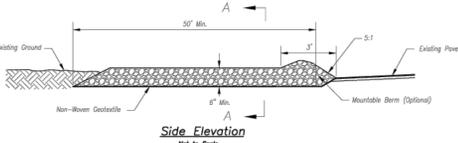
Project: ESC Phase 3 Plan
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 Lee's Summit, Jackson County, Missouri

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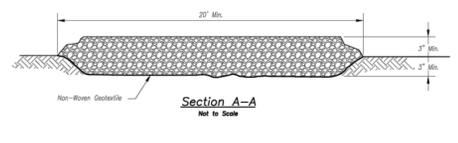
- REVISIONS**
- 12-09-2024
 - REV. 12/20/2024
 - REV. 9/25/25
 - REV. 2/23/26



Plan View
Not to Scale



Side Elevation
Not to Scale



Section A-A
Not to Scale

Notes for Construction Entrances:

1. Avoid locating on steep slopes, or curves on public roads, or downhill of disturbed area.
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 exceeds 2%, construct a 6- to 8-inch high ridge with 3/4" x 1/4" side slopes across the foundation approximately 10 feet from the edge of the public road to divert runoff from it.
4. Install pipe under the entrance if needed to maintain drainage ditches along public roads.
5. Place stone to dimensions and grade as shown on plans. Leave surface sloped for drainage.
6. Divert all surface runoff and drainage from the entrance to a sediment control device.
7. If conditions warrant, place geotextile fabric on the graded foundation to improve stability.

Maintenance for Construction Entrances:

1. Reshape entrance as needed to maintain function and integrity of installation. Top dress with clean aggregate as needed.

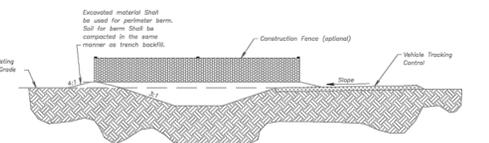
CONSTRUCTION ENTRANCE

Notes for Concrete Washout:

1. Concrete washout areas shall be installed prior to any concrete placement with fill.
2. Concrete washout areas shall include a flat subsurface pit sloped relative to the amount of concrete to be placed on site. The slopes leading out of the subsurface pit shall be 2:1. The vehicle tracking post shall be sloped towards the concrete washout area.
3. Vehicle tracking control is required at the access point to all concrete washout areas.
4. Signs shall be placed at the construction site entrance, washout area, and elsewhere as necessary to clearly indicate the location(s) of the concrete washout area(s) to operators of concrete trucks and other rigs.
5. A one-piece impervious liner may be required along the bottom and sides of the subsurface pit in sandy or gravelly soils.

Maintenance for Concrete Washout:

1. Concrete washout materials shall be removed once the materials have filled the washout to approximately 75% full.
2. Concrete washout areas shall be enlarged as necessary to maintain capacity for washed concrete.
3. Concrete washout areas shall be cleaned of all other debris in the subsurface pit shall be transported from the job site in a water-tight container and disposed of properly.
4. Concrete washout areas shall remain in place until all concrete for the project is placed.
5. When concrete washout areas are removed, excavations shall be filled with suitable compacted backfill and topped, any disturbed areas associated with the installation, maintenance, and/or removal of the concrete washout areas shall be stabilized.

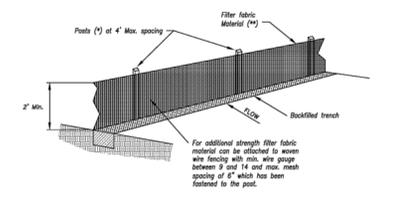


CONCRETE WASHOUT

AMERICAN PUBLIC WORKS ASSOCIATION
APWA KANSAS CITY METRO CHAPTER

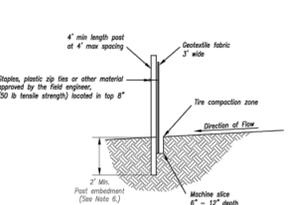
CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT
STANDARD DRAWING NUMBER ESC-01 ADOPTED: 10/24/2016

Construction Entrance modified from 2015 Overland Park Standard Details for Erosion and Sediment Control; Concrete Washout modified from 2009 City of Great Bend Standard Drawings.



- (*) EGGS
- MIN LENGTH 4"
- HARDWOOD 1 1/2" x 1 1/2"
- NO. 2 SOUTHERN PINE 2 1/2" x 2 1/2"
- STEEL 1.33 LB/FT

(**) - Geotextile fabric shall meet the requirements of ASTM M288



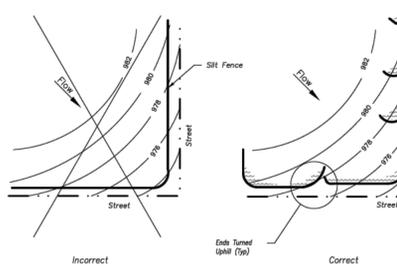
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- Notes:**
1. In order to contain water, the ends of the silt fence must be turned uphill (Figure A).
 2. Long perimeter runs of silt fence must be limited to 100'. Runs should be broken up into several smaller segments to minimize water concentrations (Figure A).
 3. Long slopes should be broken up with intermediate rows of silt fence to slow runoff velocities.
 4. Attach fabric to upstream side of post.
 5. Install posts a minimum of 2' into the ground.
 6. Trenching will only be allowed for small or difficult installation, where slicing machine cannot be reasonably used.

Maintenance:

1. Remove and dispose of sediment deposits when the deposit approaches 1/2 the height of silt fence.
2. Repair as necessary to maintain function and structure.

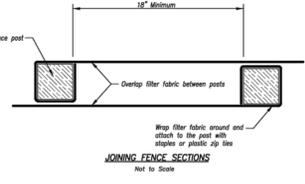
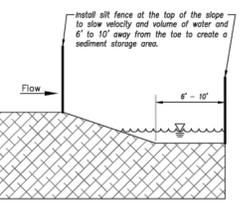


Incorrect

Correct

Figure A

SILT FENCE LAYOUT
Not to Scale

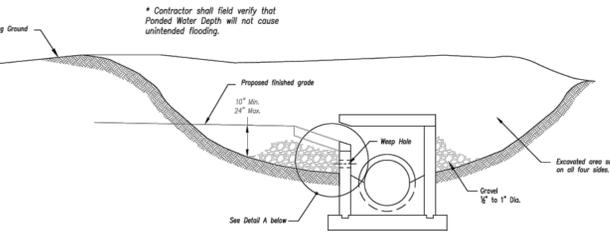


JOINING FENCE SECTIONS
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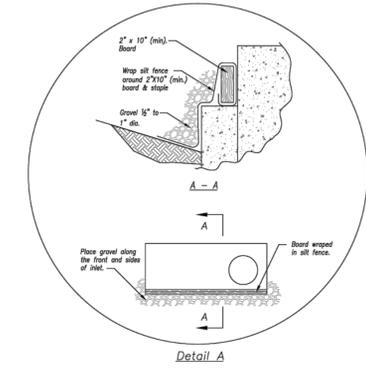
AMERICAN PUBLIC WORKS ASSOCIATION
APWA KANSAS CITY METRO CHAPTER

SILT FENCE
STANDARD DRAWING NUMBER ESC-03 ADOPTED: 10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.



On Grade Curb Inlet Protection



Detail A

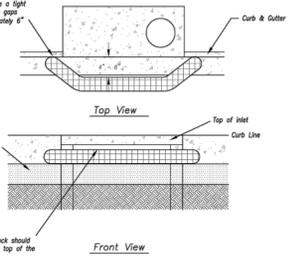
Notes:

1. Immediately following inlet construction and prior to construction of curb and inlet throat, protect inlet opening by installing 2' x 10' (min.) board wrapped in silt fence. Structures shall have excavated storage areas on all four sides to allow settling of sediment (Early Stage Curb Inlet).
2. When inlet is completed and curb poured, filter socks or approved equal should be used (Late Stage Curb Inlet). Straw wattles are not approved for curb inlet use.
3. Contractor to field verify ponding water shall not create a traffic hazard.

Maintenance:

1. Remove deposited sediment from excavated storage areas when available storage has been reduced by 20%.
2. Remove deposited sediment from filter socks or similar when any accumulation of sediment is visible.
3. Repair or replace as necessary to maintain function and integrity of installation.

EARLY STAGE CURB INLET
(Open Box and Prior to Pouring Curb and Inlet Throat)



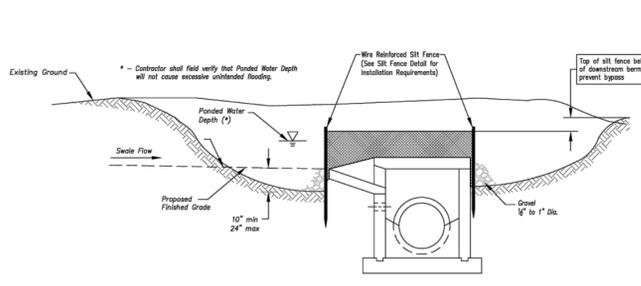
Sump Inlet Sediment Filter

LATE STAGE CURB INLET
(After Pouring Curb and Inlet Throat)

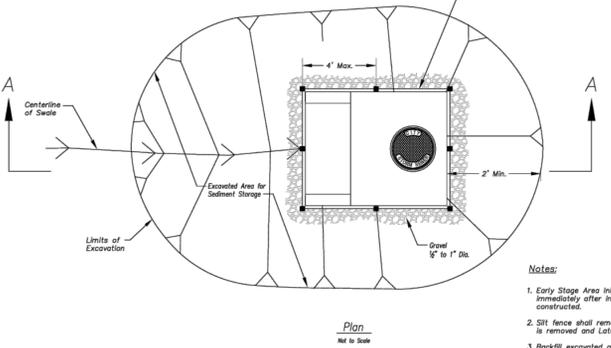
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APWA KANSAS CITY METRO CHAPTER

CURB INLET PROTECTION
STANDARD DRAWING NUMBER ESC-06 ADOPTED: 10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.



Section A-A
Not to Scale

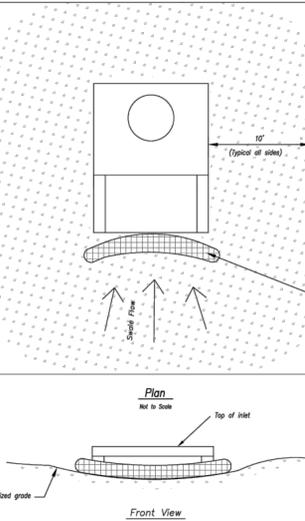


Plan
Not to Scale

EARLY STAGE AREA INLET
(All open boxes and inlets not at final grade)

Notes:

1. Early Stage Area Inlet Sediment Barrier to be installed immediately after inlet or junction box is constructed.
2. Silt fence shall remain in place until excavated area is removed and Late Stage Area Inlet is being installed.
3. Backfill excavated area ONLY after final grading of the site. Stabilization of the site is to immediately follow.
4. Wire reinforced silt fence may be used in place of silt fence attached to wood frame.



LATE STAGE AREA INLET
(Area inlets at final grade and existing inlets)

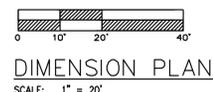
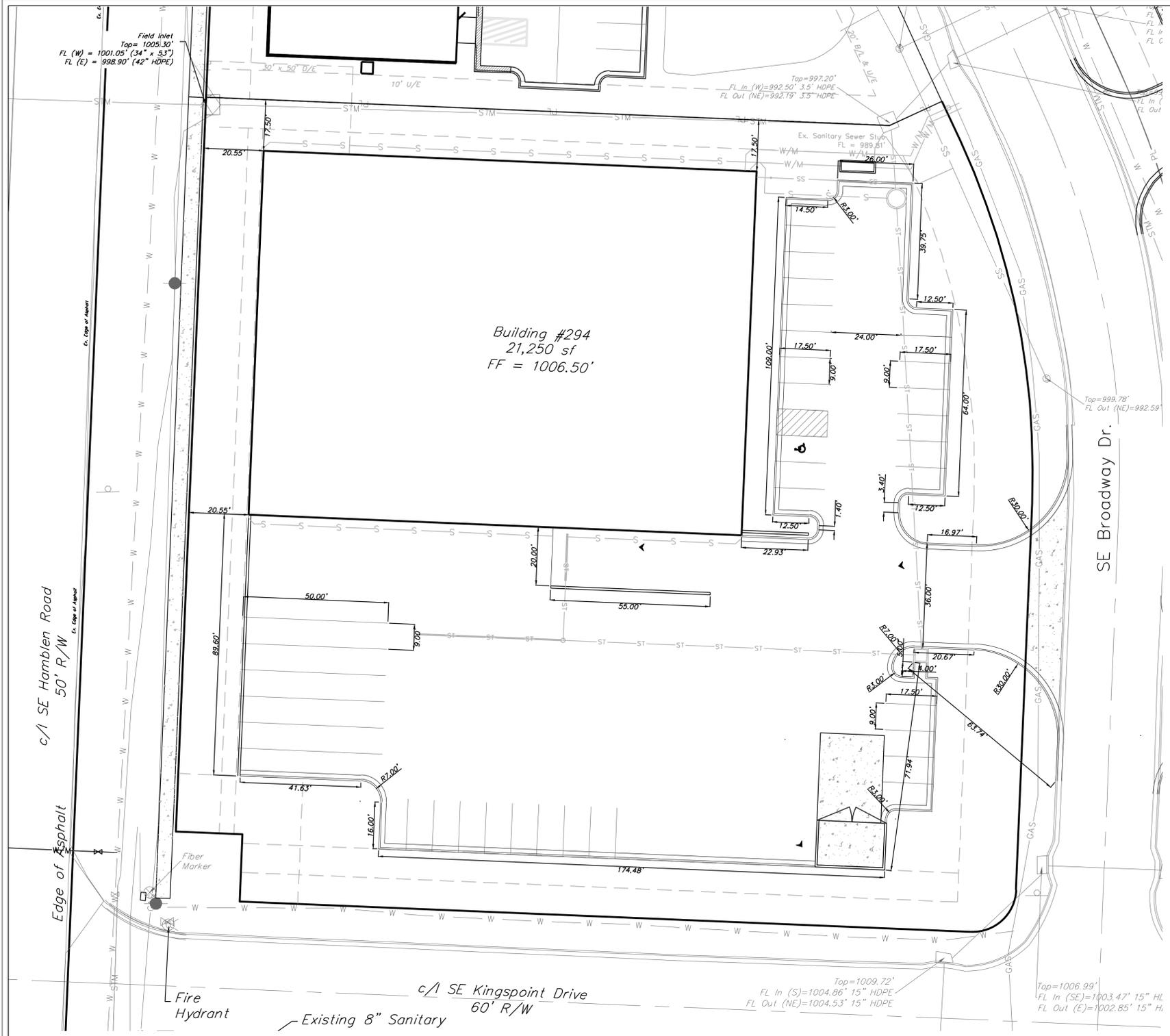
Maintenance:

1. Remove deposited sediment from excavated storage areas when available storage has been reduced by 20%.
2. Remove deposited sediment from filter socks or similar when any accumulation of sediment is visible.
3. Repair or replace as necessary to maintain function and integrity of installation.

AMERICAN PUBLIC WORKS ASSOCIATION
APWA KANSAS CITY METRO CHAPTER

AREA INLET AND JUNCTION BOX PROTECTION
STANDARD DRAWING NUMBER ESC-07 ADOPTED: 10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.



RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri

02/24/2026



Professional Registration
Missouri
Engineering 200502185-D
Surveying 20050303182-D
Kansas
Engineering 5-1895
Surveying LS-219
Oklahoma
Engineering 8254
Nebraska
Engineering CA2821

Project:
NEWBERRY
LANDING, LSNM
Issue Date:
January 4, 2024

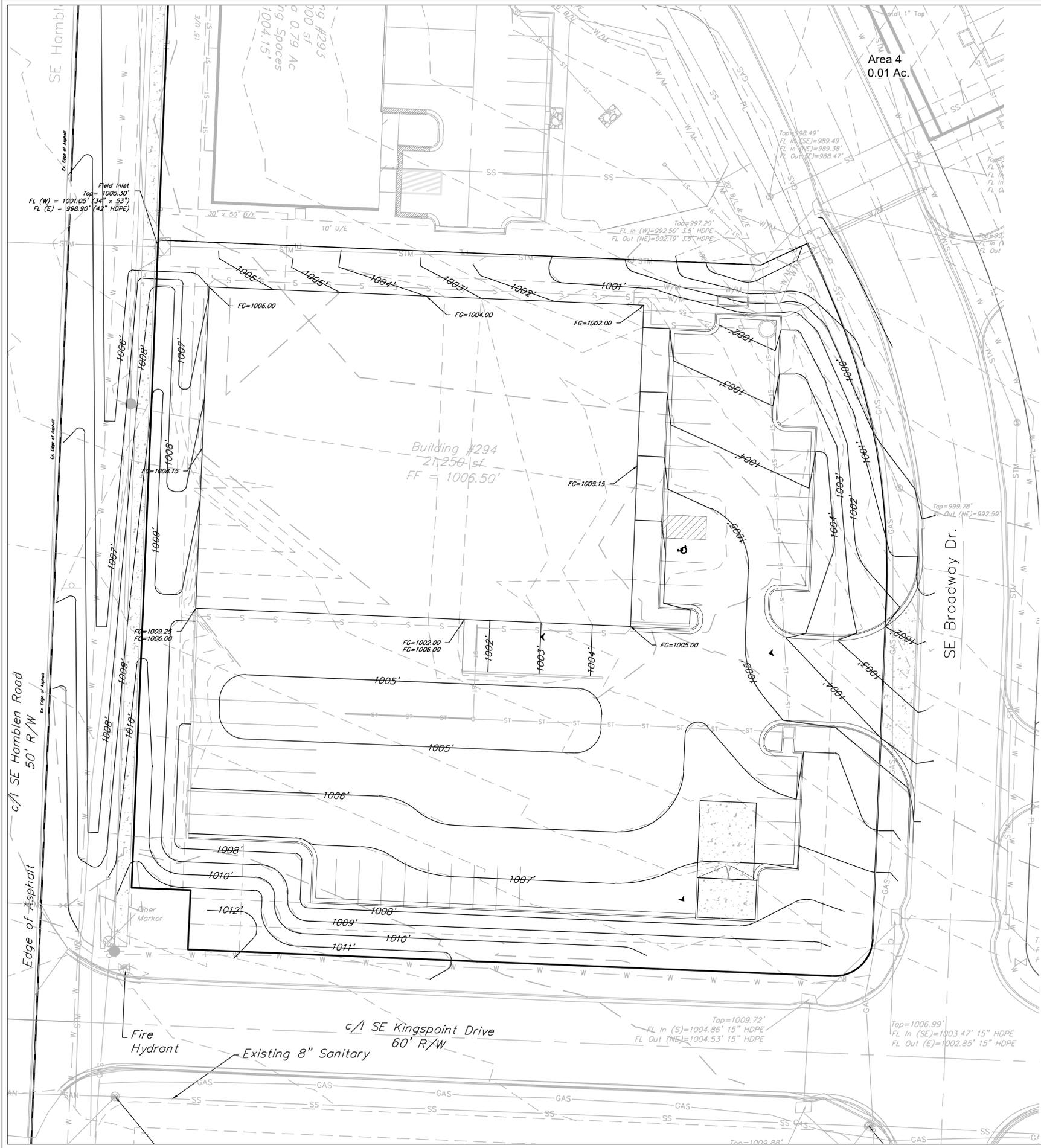
DIMENSION PLAN
Construction Plans for:
Lot 294, Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

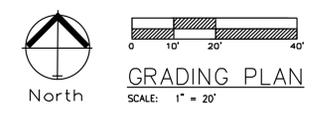


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MO PE 2006019708
KS PE 19071
OK PE 25226

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- 12-09-2024
 - REV. 12/20/2024
 - REV. 9/25/25
 - REV. 2/23/26



Area 4
0.01 Ac.



- 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
 8. Contractor responsible to provide Engineering Solutions an Asbuilt topographic survey of the site to verify grades.

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 Development Services Department
 Lee's Summit, Missouri

 02/24/2026



Professional Registration
 Missouri
 Engineering 202602185-D
 Surveying 202608184-D
 Kansas
 Engineering 5-1895
 Surveying 15-219
 Oklahoma
 Engineering 8254
 Nebraska
 Engineering CA2821

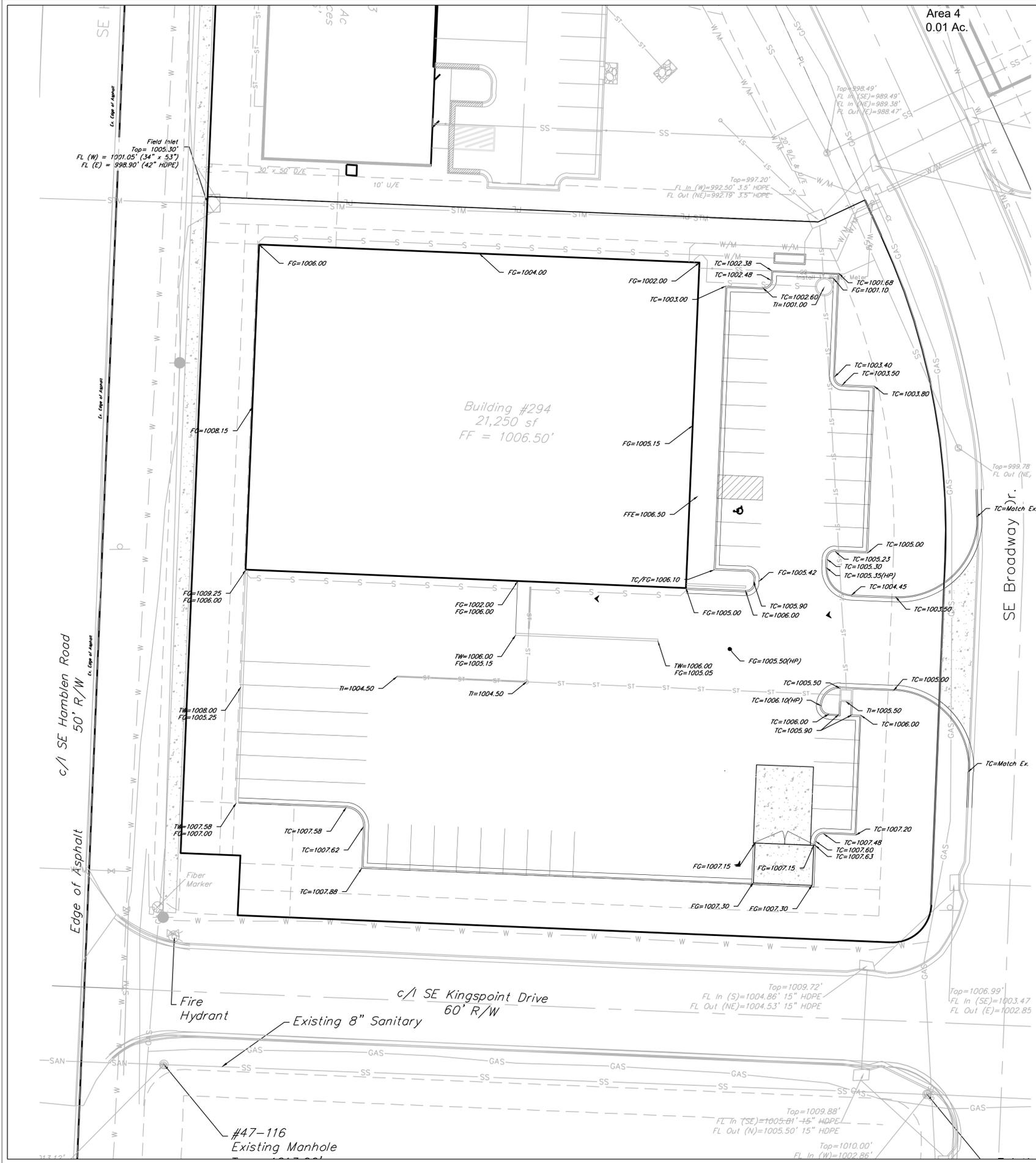
Project:
 NEWBERRY
 LANDINGS, LSNMO
 Issue Date:
 January 4, 2024

Project:
 NEWBERRY
 LANDINGS First Plat
 Lee's Summit, Jackson County, Missouri

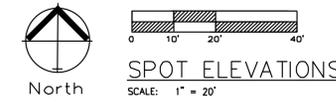
GRADING PLAN
 Construction Plans for:
 Lot 294, Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri

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

REVISIONS
 12-09-2024
 REV. 12/20/2024
 REV. 9/25/25
 REV. 2/23/26

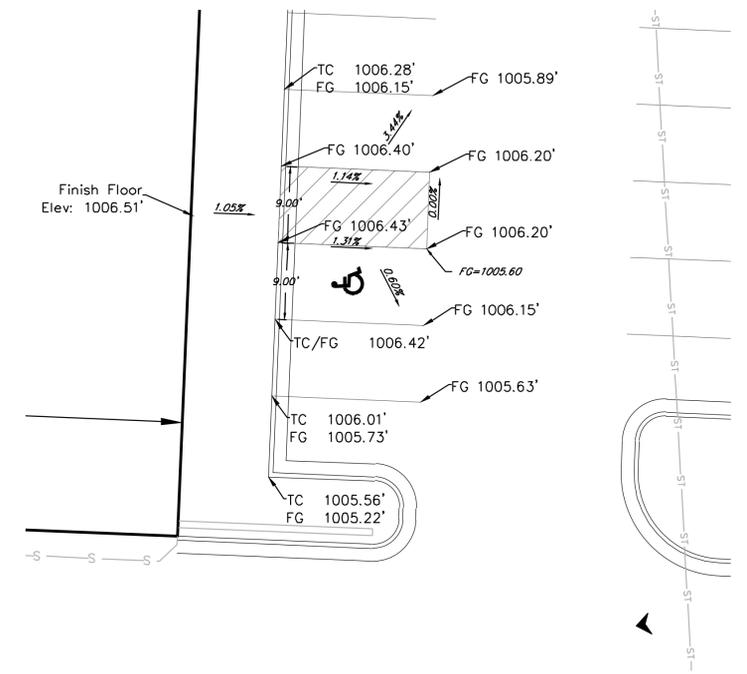
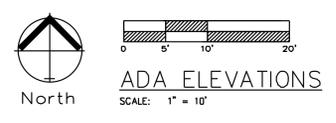


Area 4
0.01 Ac.



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Development Services Department
Lee's Summit, Missouri
02/24/2026



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

Professional Registration
Missouri
Engineering 202502185-D
Surveying 202503184-D
Kansas
Engineering 5-1886
Surveying LS-219
Oklahoma
Engineering 8254
Nebraska
Engineering CA2821

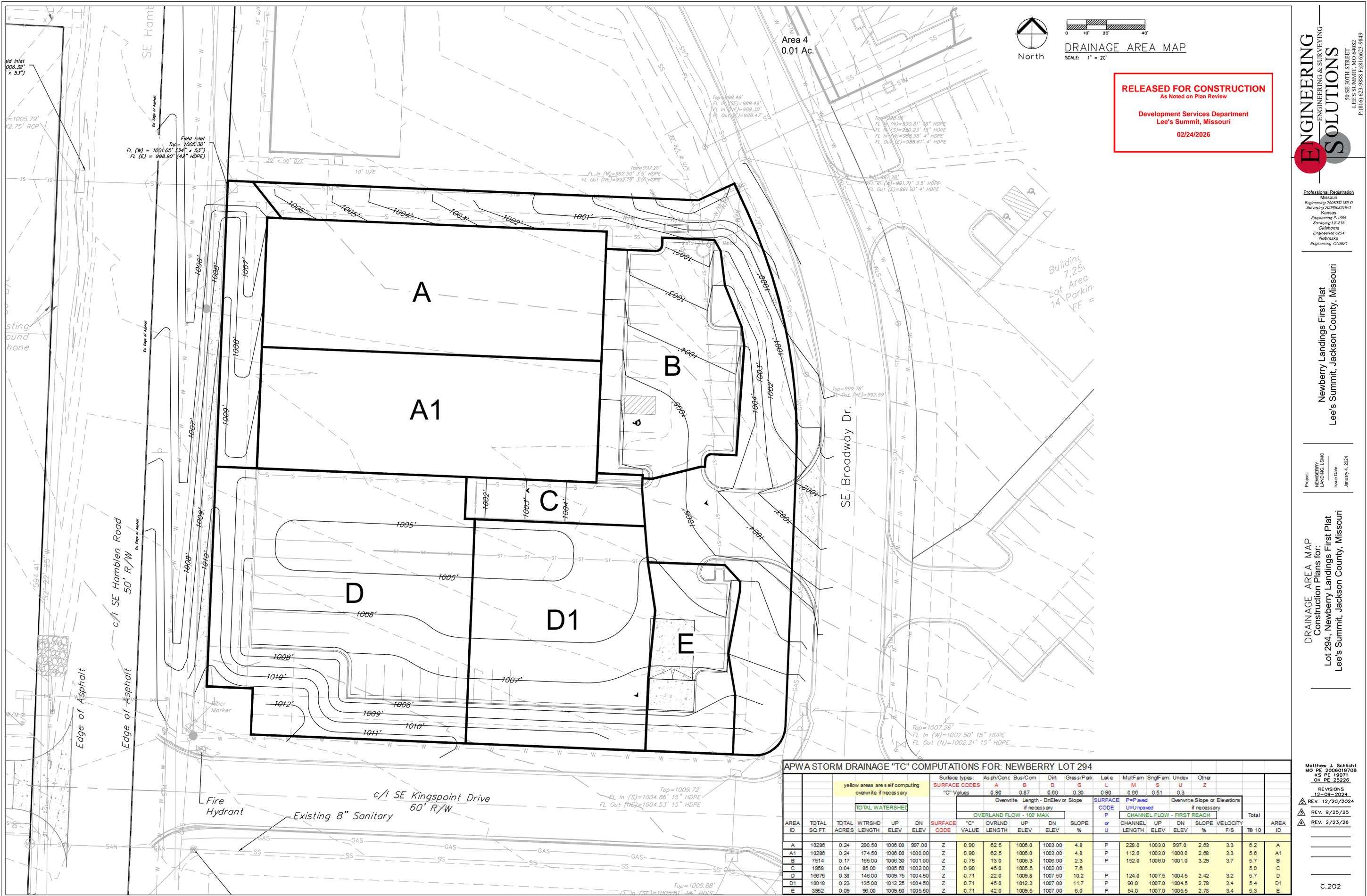
Project:
NEWBERRY
LANDING, LSNMO
Issue Date:
January 4, 2024

Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

SPOT ELEVATIONS
Construction Plans for:
Lot 294, Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

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

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12-09-2024
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 Lee's Summit, Missouri
 02/24/2026

APWA STORM DRAINAGE "TC" COMPUTATIONS FOR: NEWBERRY LOT 294

AREA ID	TOTAL SQ.FT.	TOTAL ACRES	WTRSHD LENGTH	UP ELEV	DN ELEV	SURFACE CODE	SURFACE TYPES				SLOPE %	SURFACE CODE	Paved/Unpaved	SLOPE VELOCITY		AREA ID			
							ASPH/CONC	BUS/COM	DIRT	GRASS/PARK				UP	DN		F/S	TB 10	
A	10288	0.24	290.50	1005.00	997.00	Z	0.90	62.5	1006.0	1003.00	4.8	P	228.0	1003.0	997.0	2.63	3.3	6.2	A
A1	10288	0.24	174.50	1005.00	1000.00	Z	0.90	62.5	1006.0	1003.00	4.8	P	112.0	1003.0	1000.0	2.68	3.3	5.6	A1
B	7514	0.17	165.00	1005.30	1001.00	Z	0.75	13.0	1006.3	1006.00	2.3	P	152.0	1006.0	1001.0	3.29	3.7	5.7	B
C	1958	0.04	85.00	1005.50	1002.00	Z	0.90	46.0	1005.5	1002.00	7.6	P						5.0	C
D	16675	0.38	146.00	1009.75	1004.50	Z	0.71	22.0	1009.8	1007.50	10.2	P	124.0	1007.5	1004.5	2.42	3.2	5.7	D
D1	10018	0.23	135.00	1012.25	1004.50	Z	0.71	45.0	1012.3	1007.00	11.7	P	90.0	1007.0	1004.5	2.78	3.4	5.4	D1
E	3952	0.09	96.00	1009.50	1005.50	Z	0.71	42.0	1009.5	1007.00	6.0	P	54.0	1007.0	1005.5	2.78	3.4	5.3	E

ENGINEERING SOLUTIONS
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Professional Registration
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 Surveying 202602185-D
 Kansas
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Project:
 NEWBERRY
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 Issue Date:
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Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri

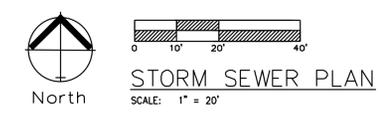
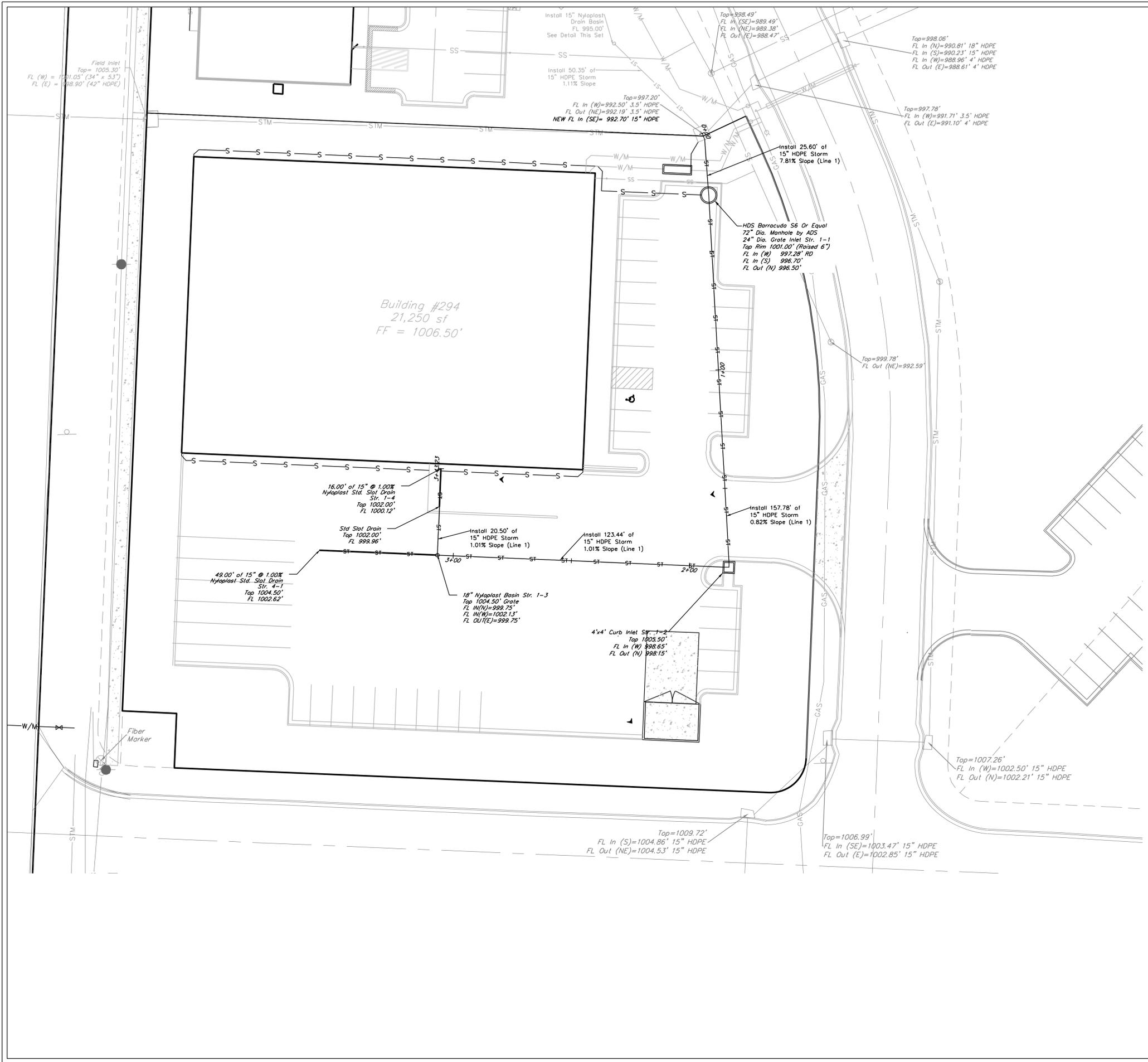
DRAINAGE AREA MAP
 Construction Plans for:

Lot 294, Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri

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 12-09-2024
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 REV. 9/25/25
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Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
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C.202



NOTES:
 1. TRENCH DRAINS SHALL BE ADS STANDARD DURASLOT OR APPROVED EQUAL.
 2. DURASLOT DRAINS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS.
 3. DURASLOT DRAINS SHALL BE INSTALLED FOR HS-20 HEAVY DUTY TRAFFIC. SEE DETAIL SHEET C.303. CONCRETE SHALL BE A KCMMB 4,000 PSI MIX. PLACE NO.4 REBAR TOP AND BOTTOM OF DRAIN EACH SIDE WITH 3" CLEAR SPACING.
 4. THE HYDRODYNAMIC SEPARATOR (HDS) SHALL BE AS MANUFACTURED BY ADS. MODEL BARRACUDA 56 OR APPROVED EQUAL. SEE DETAIL SHEET C.303.
 5. THE NYLOPLAST DRAIN BASIN SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS FOR HS-20 HEAVY DUTY TRAFFIC. SEE DETAIL SHEET C.303. PLACE EIGHT (8) TOTAL NO.4 REBAR IN CONCRETE COLLAR TWO (2) EACH SIDE MID SLAB, 3" CLEAR.

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Professional Registration
 Missouri
 Engineering 200500185-D
 Surveying 202003819-D
 Kansas
 Engineering 5-1696
 Surveying 15-219
 Oklahoma
 Engineering 8254
 Nebraska
 Engineering CA2821

Project:
 NEWBERRY
 LANDING, LSNM

Issue Date:
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Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri

ROOF DRAIN PLAN
 Construction Plans for:
 Lot 294, Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri



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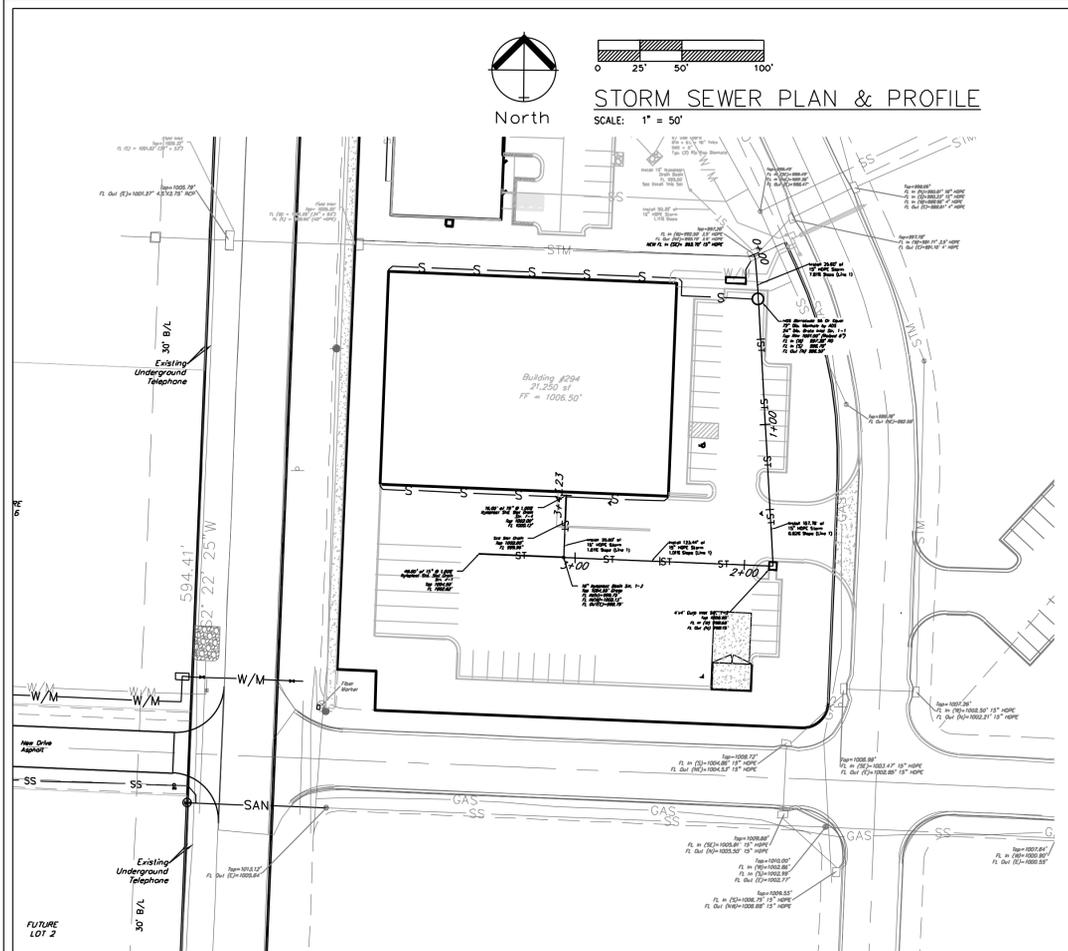
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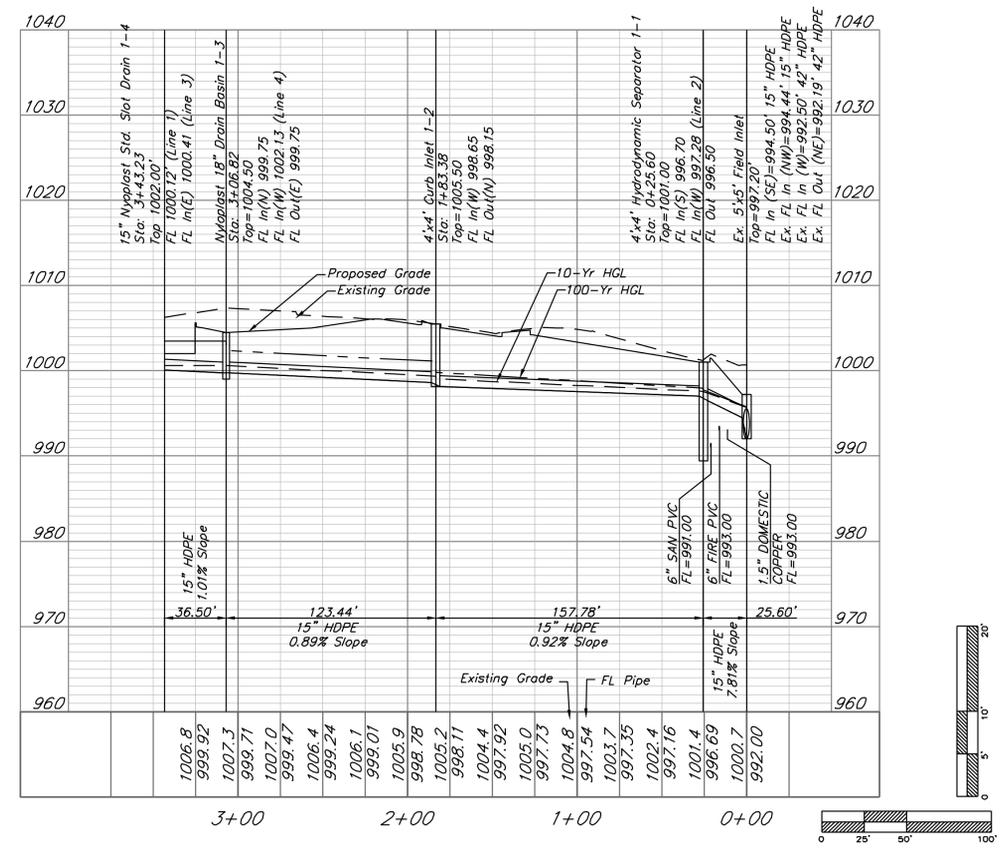
02/24/2026

STORM SEWER PLAN & PROFILE

SCALE: 1" = 50'



STORM LINE 1

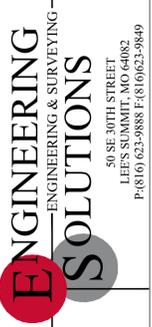


10-YR Structure																						
D.S. Str.	Str. No.	Area (ac)	InletTime (min)	Int. (in/hr)	RunoffCoeff. (C)	Q=CIA (cfs)	QCaptured (cfs)	QBypassed (cfs)	JunctType	CurbHeight (in)	CurbLength (ft)	GrateArea (sqft)	GrateLength (ft)	GrateWidth (ft)	GutterSlope (ft/ft)	GutterWidth (ft)	CrossSlope, Sw (ft/ft)	CrossSlope, Sx (ft/ft)	LocalDepr. (in)	InletDepth (ft)	GutterDepth (ft)	GutterSpread (ft)
Ex.	1-1	0.17	5.7	7.14	0.75	0.91	0.91	0	Dp-Grate	5.8	4	2	2	1	Sag	2	0.02	0.02	9	0.14	0.14	N/A
1-1	1-2	0.09	5.3	7.26	0.71	0.46	0.46	0	Curb	5.8	4	2	2	1	Sag	2	0.05	0.02	9	0.9	0.15	4.44
1-2	1-3	0.23	5.7	7.14	0.71	1.17	1.17	0	Dp-Grate	5.8	4	1.77	1.33	1.33	Sag	2	0.02	0.02	9	0.17	0.17	N/A
1-3	1-4	0.2	5	7.34	0.9	1.32	1.32	0	Dp-Grate	5.8	4	2.4	0.15	16	Sag	2	0.02	0.02	9	0.06	0.06	N/A
1-1	2-1	0.24	6.2	7	0.9	1.51	1.51	0	MH	5.8	4	2.67	0.15	16	Sag	2	0.02	0.02	9	0.06	0.06	N/A
1-4	3-1	0.08	5.6	7.17	0.9	0.52	0.52	0	MH	5.8	4	2.67	0.15	16	Sag	2	0.02	0.02	9	0.03	0.03	N/A
1-3	4-1	0.38	5.7	7.14	0.71	1.93	1.93	0	Dp-Grate	5.8	4	7.35	0.15	49	Sag	2	0.02	0.02	9	0.03	0.03	N/A

10-YR Pipe																						
D.S. Str.	U.S. Str.	LineLength (ft)	Incr.Area (ac)	TotalArea (ac)	RunoffCoeff. (C)	IncrC x A (cfs)	TotalC x A (cfs)	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)
Ex.	1-1	25.6	0.17	1.39	0.75	0.13	1.09	5.7	6.9	6.8	7.44	7.44	23.46	6.41	15	7.81	994.50	996.50	995.67	997.59	0.00	1001.00
1-1	1-2	157.78	0.09	0.98	0.71	0.06	0.75	5.3	6.4	6.9	5.2	5.2	8.05	5.47	15	0.92	996.70	998.15	997.59	999.07	1001.00	1005.50
1-2	1-3	123.44	0.23	0.89	0.71	0.16	0.69	5.7	6.1	7	4.82	4.82	7.92	5.96	15	0.89	998.65	999.75	999.35	1000.64	1005.50	1004.50
1-3	1-4	36.5	0.2	0.28	0.9	0.18	0.25	5	5.9	7.1	1.79	1.79	8.45	2.76	15	1.01	999.75	1000.12	1000.64	1000.65	1004.50	1002.00
1-1	2-1	183.01	0.24	0.24	0.9	0.22	0.22	6.2	6.2	7	1.51	1.51	3.12	6.8	8	3.95	997.28	1004.50	997.61	1005.07	1001.00	1001.00
1-4	3-1	61.83	0.08	0.08	0.9	0.07	0.07	5.6	5.6	7.2	0.52	0.52	3.21	3.73	8	4.19	1000.41	1003.00	1000.65	1003.34	1002.00	1005.00
1-3	4-1	49	0.38	0.38	0.71	0.27	0.27	5.7	5.7	7.1	1.93	1.93	8.39	4.62	15	1	1002.13	1002.62	1002.54	1003.17	1004.50	1004.50

100-YR Structure																						
D.S. Str.	Str. No.	Area (ac)	InletTime (min)	Int. (in/hr)	RunoffCoeff. (C)	Q=CIA (cfs)	QCaptured (cfs)	QBypassed (cfs)	JunctType	CurbHeight (in)	CurbLength (ft)	GrateArea (sqft)	GrateLength (ft)	GrateWidth (ft)	GutterSlope (ft/ft)	GutterWidth (ft)	CrossSlope, Sw (ft/ft)	CrossSlope, Sx (ft/ft)	LocalDepr. (in)	InletDepth (ft)	GutterDepth (ft)	GutterSpread (ft)
Ex.	1-1	0.17	5.7	12.57	0.75	1.6	1.6	0	Dp-Grate	5.8	4	2	2	1	Sag	2	0.02	0.02	9	0.2	0.2	N/A
1-1	1-2	0.09	5.3	12.75	0.71	0.81	0.81	0	Curb	5.8	4	2	2	1	Sag	2	0.05	0.02	9	0.94	0.19	6.47
1-2	1-3	0.23	5.7	12.57	0.71	2.05	2.05	0	Dp-Grate	5.8	4	1.77	1.33	1.33	Sag	2	0.02	0.02	9	0.25	0.25	N/A
1-3	1-4	0.2	5	12.9	0.9	2.32	2.32	0	Dp-Grate	5.8	4	2.4	0.15	16	Sag	2	0.02	0.02	9	0.08	0.08	N/A
1-1	2-1	0.24	6.2	12.34	0.9	2.67	2.67	0	MH	5.8	4	2.67	0.15	16	Sag	2	0.02	0.02	9	0.05	0.05	N/A
1-4	3-1	0.08	5.6	12.61	0.9	0.91	0.91	0	MH	5.8	4	2.67	0.15	16	Sag	2	0.02	0.02	9	0.05	0.05	N/A
1-3	4-1	0.38	5.7	12.57	0.71	3.39	3.39	0	Dp-Grate	5.8	4	7.35	0.15	49	Sag	2	0.02	0.02	9	0.05	0.05	N/A

100-YR Pipe																						
D.S. Str.	U.S. Str.	LineLength (ft)	Incr.Area (ac)	TotalArea (ac)	RunoffCoeff. (C)	IncrC x A (cfs)	TotalC x A (cfs)	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)
Ex.	1-1	25.6	0.17	1.39	0.75	0.13	1.09	5.7	6.9	12	13.16	13.16	23.46	10.76	15	7.81	994.50	996.50	995.74	997.73	0.00	1001.00
1-1	1-2	157.78	0.09	0.98	0.71	0.06	0.75	5.3	6.5	12.2	9.14	9.14	8.05	7.45	15	0.92	996.70	998.15	997.95	999.82	1001.00	1005.50
1-2	1-3	123.44	0.23	0.89	0.71	0.16	0.69	5.7	6.2	12.3	8.45	8.45	7.92	6.88	15	0.89	998.65	999.75	1001.11	1002.36	1005.50	1004.50
1-3	1-4	36.5	0.2	0.28	0.9	0.18	0.25	5	6	12.4	3.13	3.13	8.45	2.55	15	1.01	999.75	1000.12	1003.47	1003.52	1004.50	1002.00
1-1	2-1	183.01	0.24	0.24	0.9	0.22	0.22	6.2	6.2	12.3	2.67	2.67	3.12	8.86	8	3.95	997.28	1004.50	997.75	1005.15	1001.00	1001.00
1-4	3-1	61.83	0.08	0.08	0.9	0.07	0.07	5.6	5.6	12.6	0.91	0.91	3.21	2.6	8	4.19	1000.41	1003.00	1003.67	1003.88	1002.00	1005.00
1-3	4-1	49	0.38	0.38	0.71	0.27	0.27	5.7	5.7	12.6	3.39	3.39	8.39	3.33	15	1	1002.13	1002.62	1003.47	1003.46	1004.50	1004.50



Professional Registration
Missouri
Engineering 200500185-D
Surveying 200500818-D
Kansas
Engineering E-1696
Surveying LS-219
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Engineering B214
Nebraska
Engineering CA2821

Project:
NEWBERRY LANDING, LSNMO
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STORM PLAN & PROFILE
Construction Plans for:
Lot 294, Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

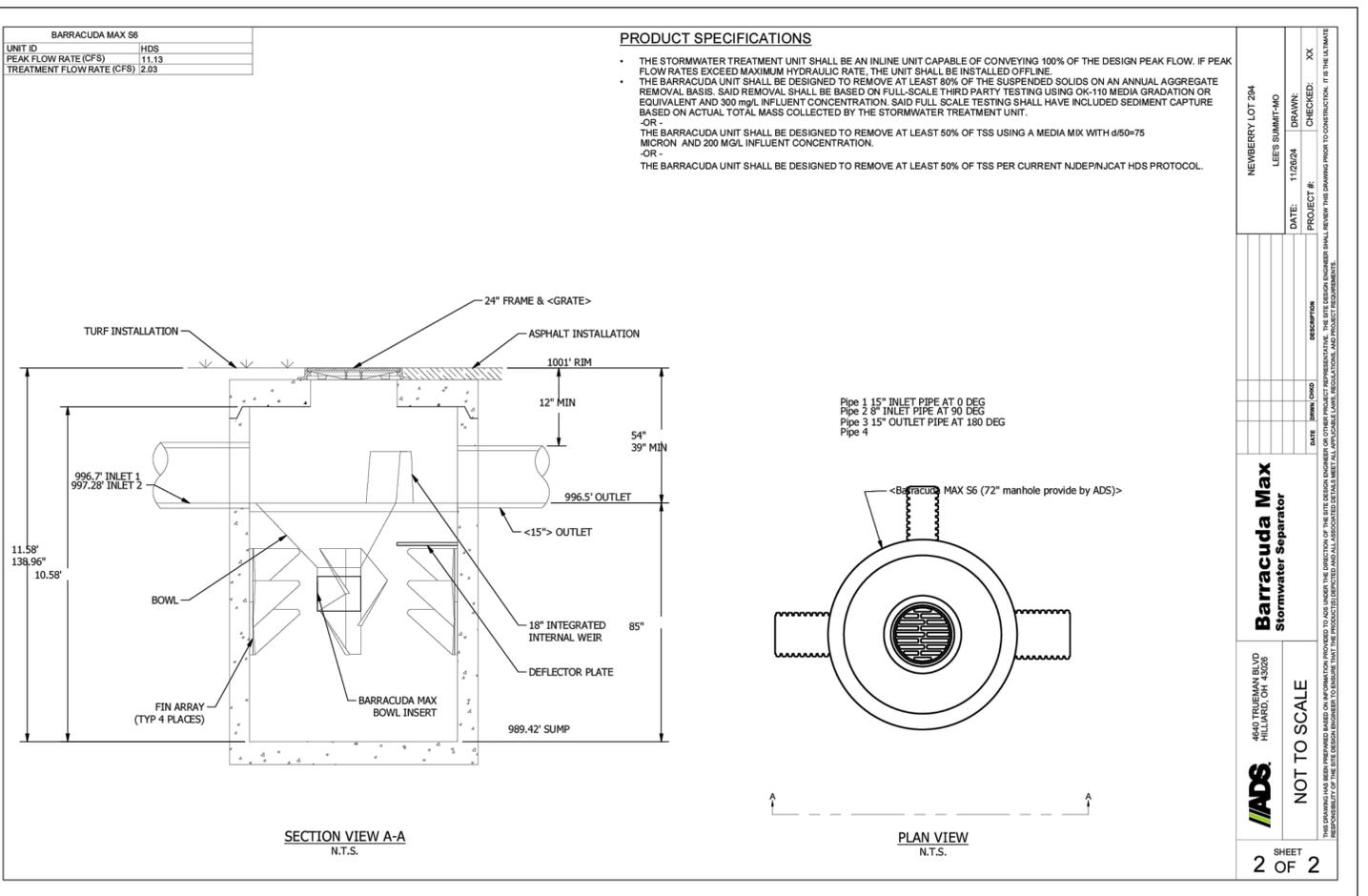
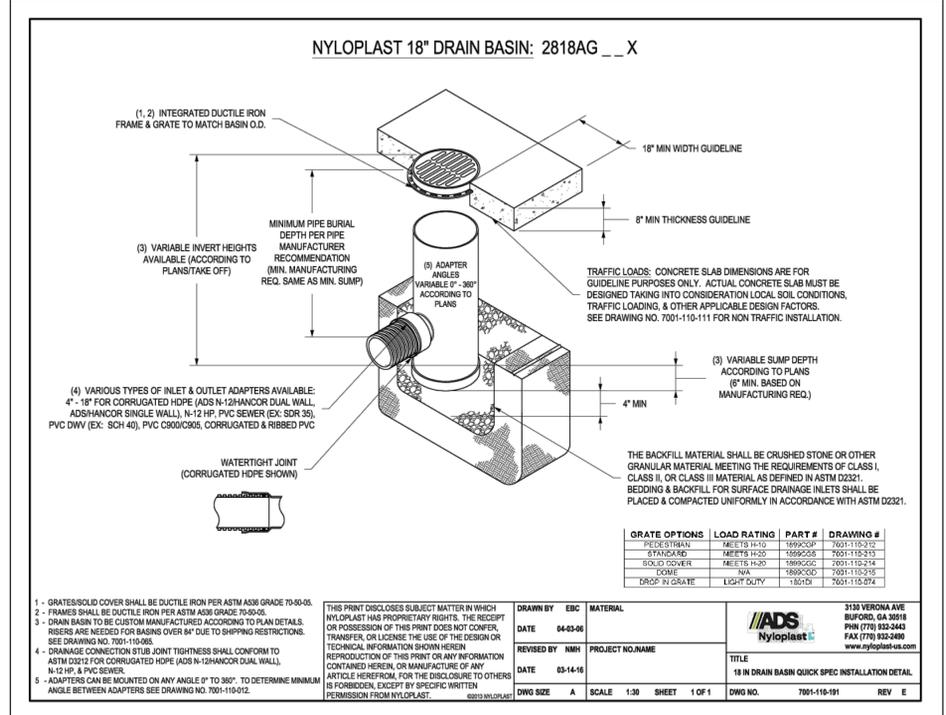
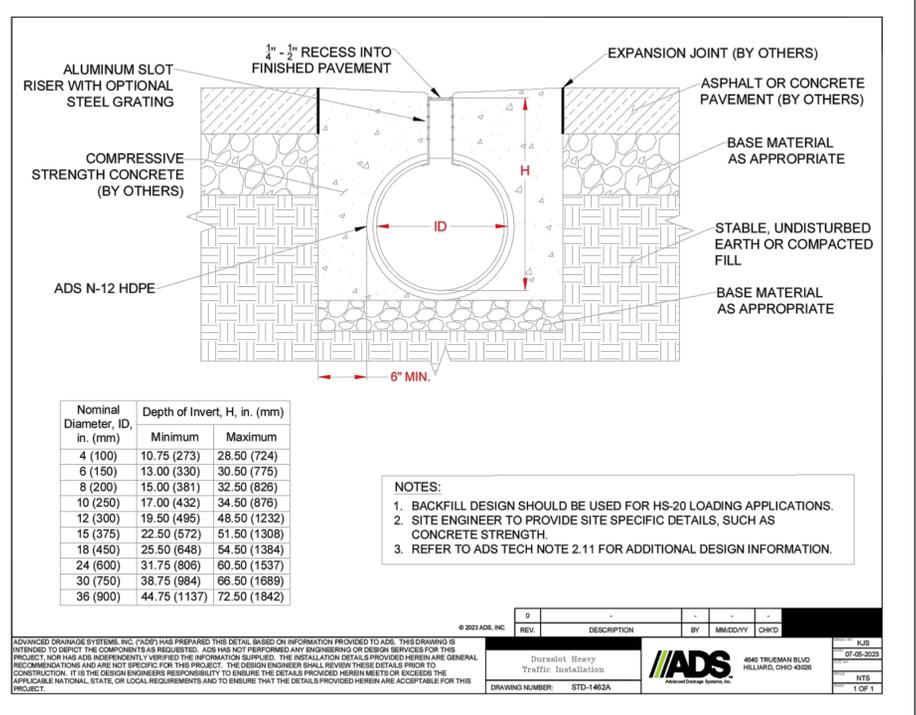


Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
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Development Services Department
Lee's Summit, Missouri
02/24/2026



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

Professional Registration
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Surveying 2005000185-D
Kansas
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Surveying LS-219
Oklahoma
Engineering BS24
Nebraska
Engineering CA2821

Project: Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

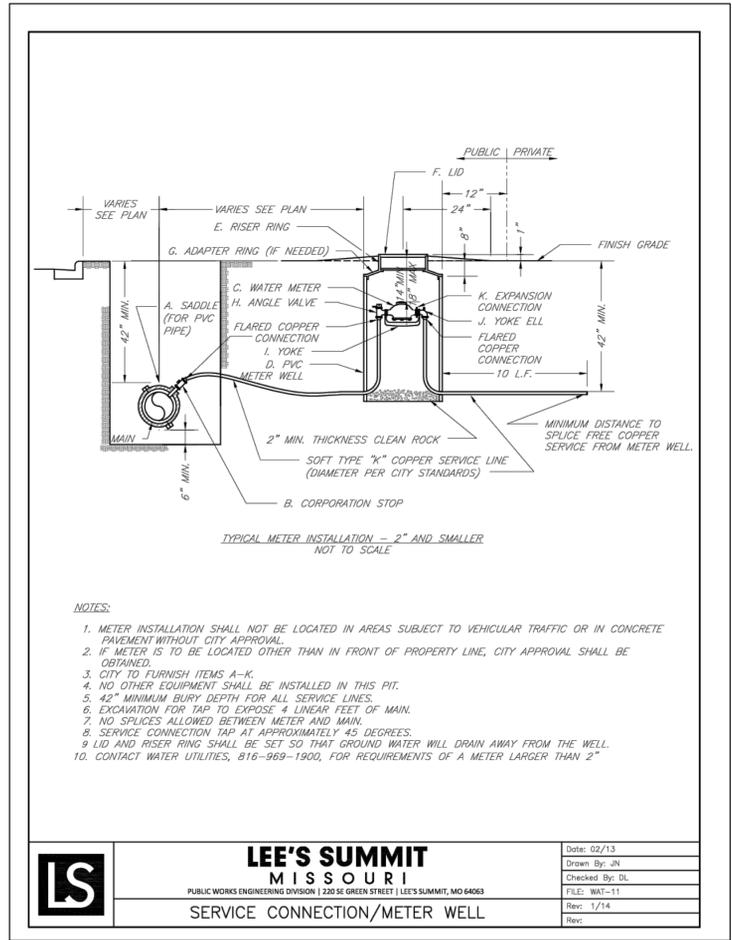
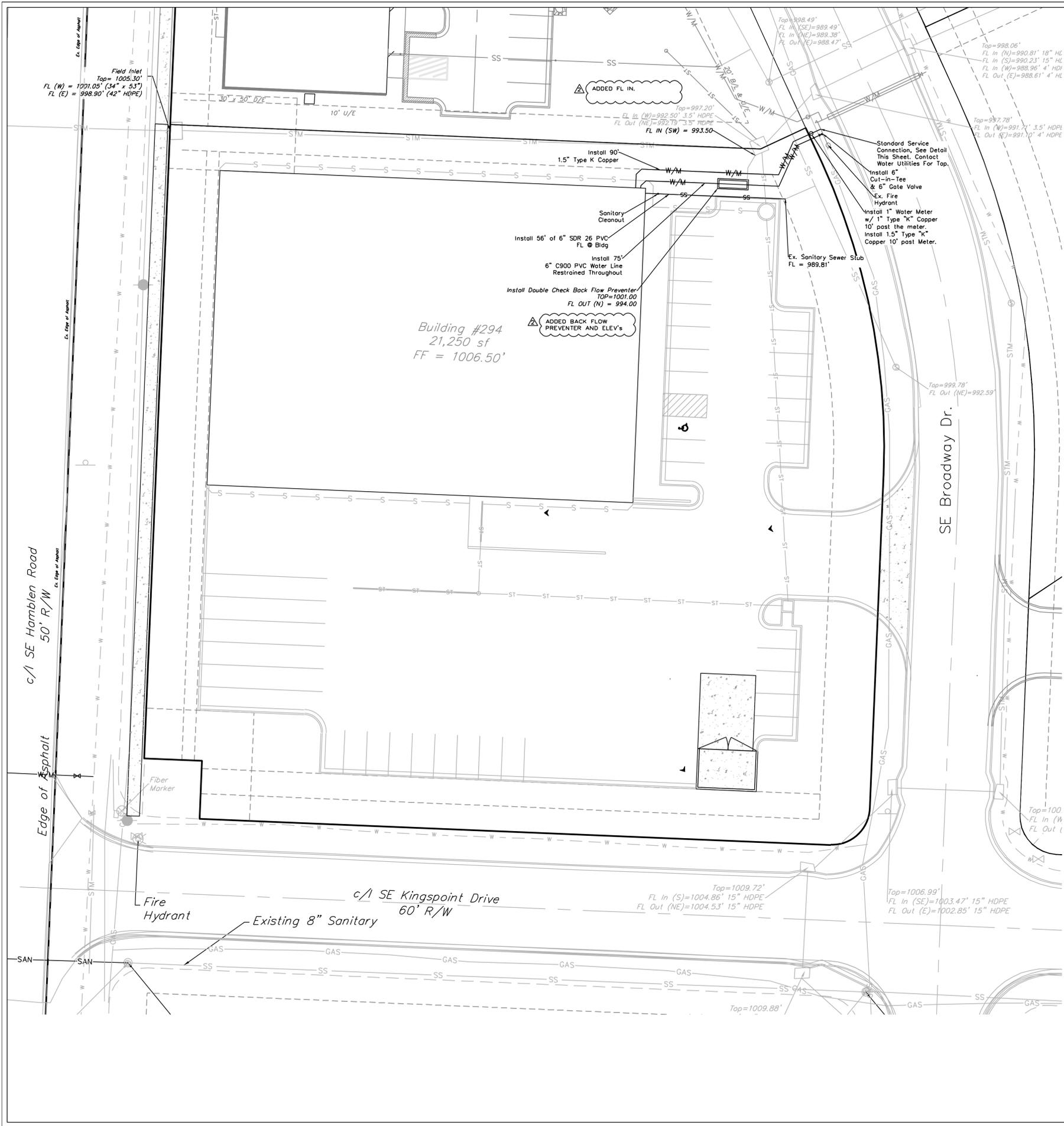
Project: NEWBERRY LANDING, LSNM
Issue Date: January 4, 2024

STORM SEWER DETAILS
Construction Plans for:
Lot 294, Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri



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KS PE 19071
OK PE 25226

REVISIONS
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REV. 2/23/26



- NOTES:**
- METER INSTALLATION SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC OR IN CONCRETE PAVEMENT WITHOUT CITY APPROVAL.
 - IF METER IS TO BE LOCATED OTHER THAN IN FRONT OF PROPERTY LINE, CITY APPROVAL SHALL BE OBTAINED.
 - CITY TO FURNISH ITEMS A-K.
 - NO OTHER EQUIPMENT SHALL BE INSTALLED IN THIS PIT.
 - 42" MINIMUM BURY DEPTH FOR ALL SERVICE LINES.
 - EXCAVATION FOR TAP TO EXPOSE 4 LINEAR FEET OF MAIN.
 - NO SPLICES ALLOWED BETWEEN METER AND MAIN.
 - SERVICE CONNECTION TAP AT APPROXIMATELY 45 DEGREES.
 - LID AND RISER RING SHALL BE SET SO THAT GROUND WATER WILL DRAIN AWAY FROM THE WELL.
 - CONTACT WATER UTILITIES, 816-969-1900, FOR REQUIREMENTS OF A METER LARGER THAN 2"

RELEASED FOR CONSTRUCTION
 As Noted on Plan Review
 Development Services Department
 Lee's Summit, Missouri
 02/24/2026

ENGINEERING & SURVEYING SOLUTIONS

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

Professional Registration

Missouri	Engineering 202602185-D
Surveying	2025038194-D
Kansas	Engineering 5-1695
Surveying	LS-219
Oklahoma	Engineering 8254
Nebraska	Engineering CA2821

Project:

Newberry Landings, LS1MO

Issue Date:

January 4, 2024

UTILITY PLAN GENERAL LAYOUT

Construction Plans for:

Lot 294, Newberry Landings First Plat

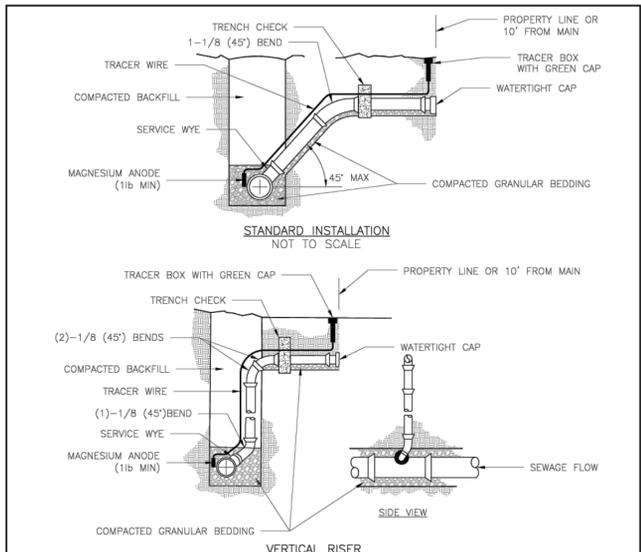
Lee's Summit, Jackson County, Missouri

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

REVISIONS

REV. 12/20/2024
REV. 9/25/25
REV. 2/23/26

C.400



NOTES:

1. ALL SEWER STUBS SHALL BE CONSTRUCTED TO PROPERTY LINE OR 10' MINIMUM FROM THE MAIN, WHERE SIDEWALKS ARE PRESENT, CONTRACTOR SHALL EXTEND SERVICE LINE UNDER EXISTING SIDEWALK TO TWO FEET BEYOND.
2. IMPERVIOUS TRENCH CHECKS SHALL BE PLACED ON BUILDING SEWER STUBS (AT LEAST 5' AWAY FROM THE SANITARY SEWER MAIN).
3. TRENCH CHECKS ON THE BUILDING SEWER STUBS SHALL EXTEND 6" BELOW THE BOTTOM OF THE PIPE. LENGTH SHALL BE A MINIMUM OF 12". THE HEIGHT OF THE TRENCH CHECK SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE. THE WIDTH OF THE TRENCH CHECK SHALL BE THE WIDTH OF THE TRENCH.
4. SEE SPECIFICATION SECTION 2100 FOR SEWER MAIN BEDDING AND BACKFILL.
5. #12 GAUGE GREEN INSULATED COPPER TRACER WIRE SHALL BE INSTALLED. TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER SERVICE OR AS DETERMINED BY THE ENGINEER.
6. FOR SERVICES, TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATE IN A FLUSH MOUNTED TRACER BOX WITH A GREEN CAST IRON LOCKABLE TOP. WIRE SHALL BE TAPED OR TIED TO THE PIPE AT 5' INTERVALS.
7. TRACER WIRE BOX SHALL BE INSTALLED WITHIN 1.0' OF PROPERTY LINE.
8. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. SPLICES IN THE TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION.

LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
 BUILDING SEWER STUB AND RISER

Date: 12/13
 Drawn By: SC
 Checked By: DL
 FILE: SAN-1
 Rev: 10/15
 Rev: 12/15

REQUIRED CONCRETE BEARING AREA (SQUARE FEET - SF)

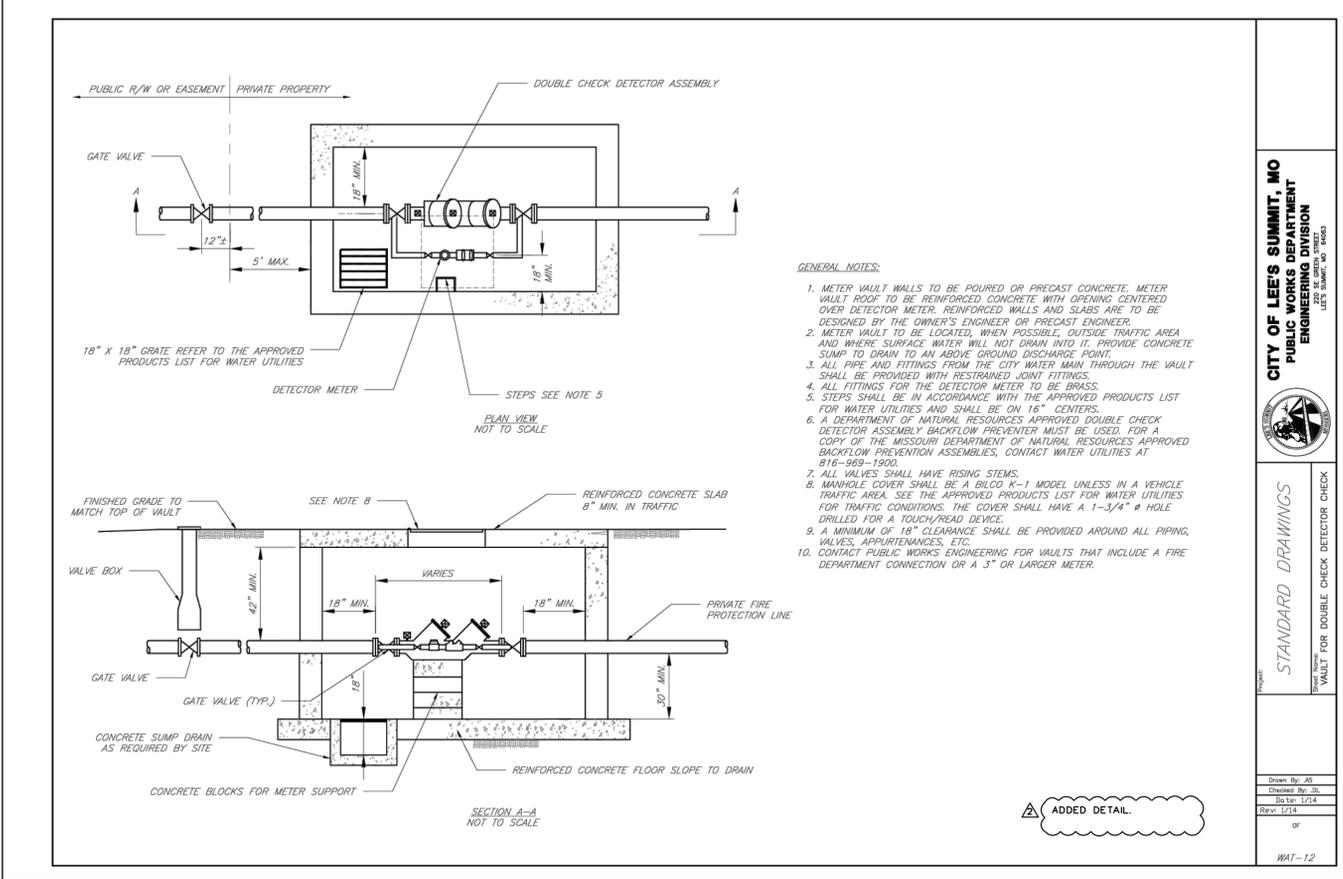
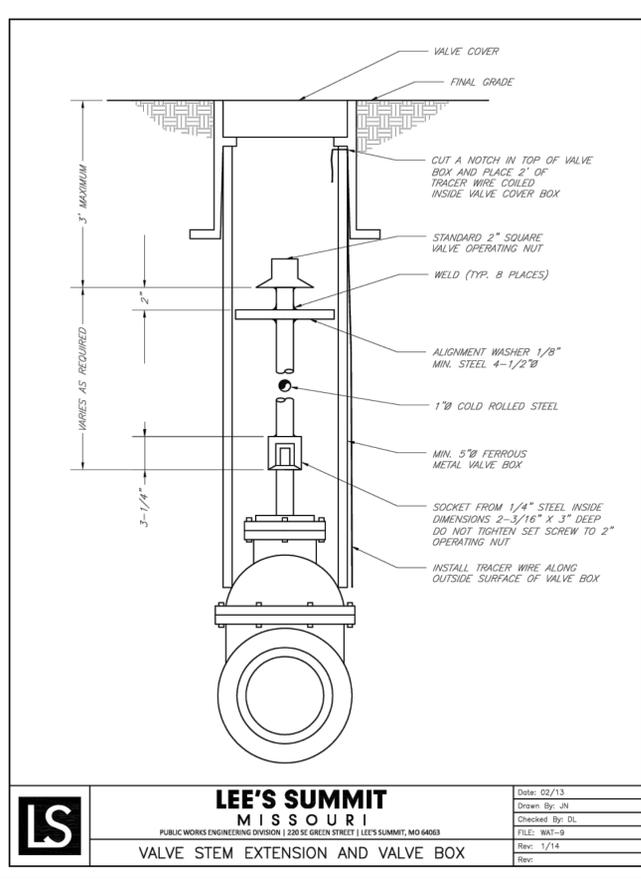
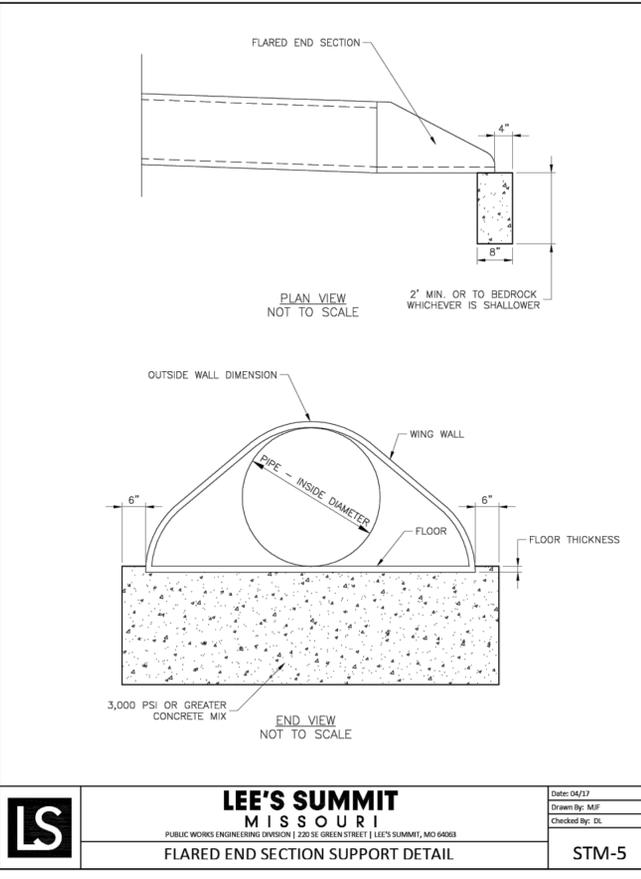
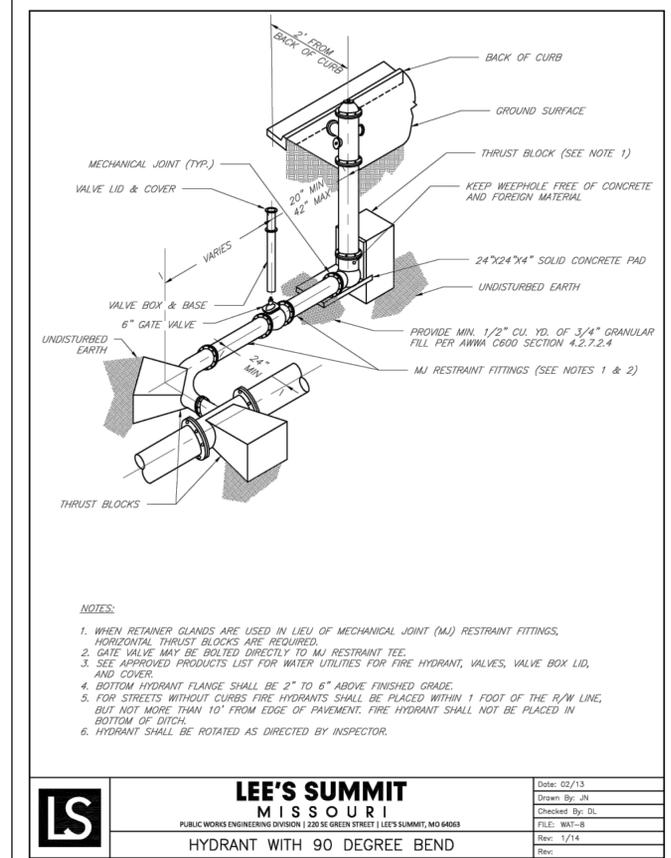
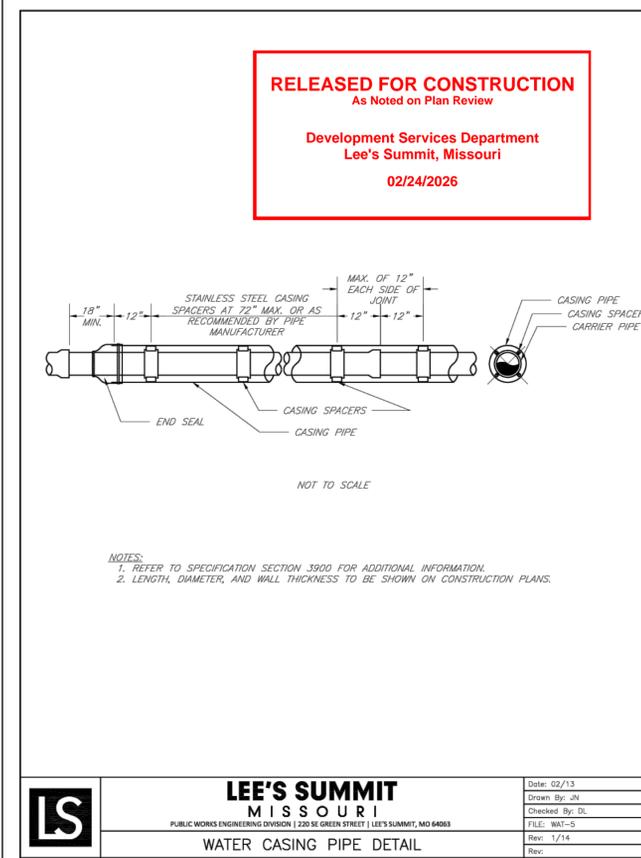
NOM. DIA. (INCHES)	TEE, PLUG	90 BEND	45 BEND	22.5 BEND	11.25 BEND
6	4.7	6.7	4.0	4.0	4.0
8	6.4	11.6	6.4	4.0	4.0
10	13.1	18.5	10.0	5.1	4.0
12	18.8	26.7	14.4	7.0	4.0
14	25.7	36.3	19.6	10.0	5.0
16	33.5	47.4	25.6	13.1	6.6
18	42.4	REST. JT.	32.5	16.5	8.3
20	REST. JT.	REST. JT.	40.1	20.4	10.3
24	REST. JT.	REST. JT.	REST. JT.	29.4	14.8

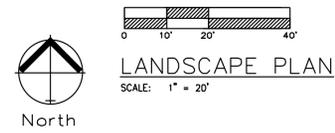
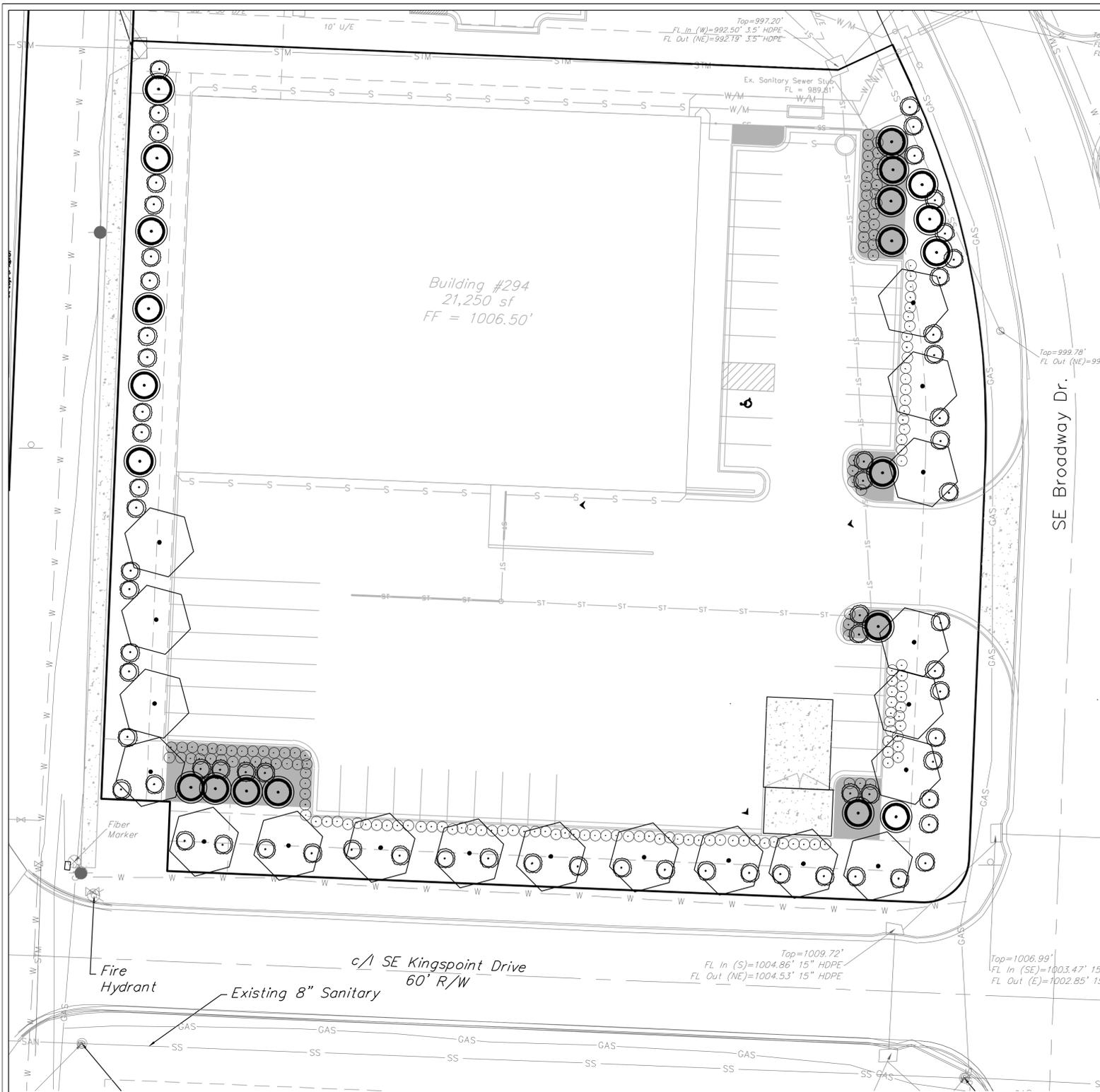
NOTES:

1. ALL BENDS WITHOUT RESTRAINED JOINTS SHALL HAVE CONCRETE THRUST BLOCKS INSTALLED FOR RESTRAINT.
2. MECA LUGS MAY BE USED ONLY IN CONJUNCTION WITH CONCRETE THRUST BLOCKING.
3. BEARING AREA MUST BE AGAINST UNDISTURBED SOIL.
4. DO NOT COVER JOINTS OR BOLTS (WHERE APPLICABLE) WITH CONCRETE.

LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
 HORIZONTAL THRUST BLOCKS

Date: 02/13
 Drawn By: JN
 Checked By: DL
 FILE: WAT-1
 Rev: 1/14
 Rev:





LANDSCAPE WORKSHEET			
	ORDINANCE REQUIREMENT	REQUIRED FOR THIS SITE	PROPOSED LANDSCAPE
14.090.A.1 Street Frontage Trees (SE Broadway Drive)	1 tree per 30 feet of street frontage	287 ft. of street frontage /30= 10 trees required	10 Trees Provided
14.090.A.3 Street Frontage Shrubs (SE Broadway Drive)	1 shrub per 20 feet of street frontage	287 ft. of street frontage /20= 15 shrubs required	20 shrubs provided
14.090.A.1 Street Frontage Trees (SE Kingspoint Drive)	1 tree per 30 feet of street frontage	310 ft. of street frontage /30= 10 trees required	10 Trees Provided
14.090.A.3 Street Frontage Shrubs (SE Kingspoint Drive)	1 shrub per 20 feet of street frontage	310 ft. of street frontage /20= 15 shrubs required	20 shrubs provided
14.090.A.1 Street Frontage Trees (SE Hamblen Road)	1 tree per 30 feet of street frontage	252 ft. of street frontage /30= 9 trees required	9 Trees Provided
14.090.A.3 Street Frontage Shrubs (SE Hamblen Road)	1 shrub per 20 feet of street frontage	252 ft. of street frontage /20= 13 shrubs required	18 shrubs provided
14.090.B.1 Open Yard Shrubs	2 shrubs per 5000 sq. ft. of total lot area excluding building footprint	77,968 sq. ft. of total lot area minus 21,250 sq. ft. of bldg. footprint= 56,718 sq.ft. /5,000 x 2 = 23 shrubs	23 shrubs
14.090.B.3 Open Yard Trees	1 tree per 5000 sq. ft. of total lot area excluding building footprint.	77,968 sq. ft. of total lot area minus 21,250 sq. ft. of bldg. footprint= 56,718 sq.ft. /5,000 = 11 trees	11 Required 0 Existing 11 Provided
14.110. Parking Lot Landscape	5% of entire parking area (spaces, aisles & drives); 1 island at end of every parking bay, min. 9' wide	31,750 sq. ft. of parking area x .05 = 1,588 sq. ft. of landscape parking lot islands required	2,430 sq. ft.
14.120 Screening of Parking Lot, Road	12 shrubs per 40 linear feet (must be 2.5 feet tall; berms may be combined with shrubs)	445 linear feet/40 x 12	134 shrubs provided 134 shrubs required.

*STREET SHRUBS ARE SATISFIED WITH PARKING LOT SCREENING REQUIREMENTS.
 **ONLY ORNAMENTAL TREES AND SHRUBS MAY BE PLANTED WITHIN UTILITY EASEMENTS.
 ***ALL GROUND MOUNTED MECHANICAL EQUIPMENT SHALL BE SCREENED PER UDO.

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 Development Services Department
 Lee's Summit, Missouri

 02/24/2026

PLANTING SCHEDULE:
 IS FOR PHASE I ONLY. AT FULL BUILD THE UNIFIED DEVELOPMENT ORDINANCE REQUIREMENTS SHALL BE MET.

SYMBOL	QUANT.	KEY	NAME	SIZE
tree (pentagon)	19	TA	AMERICAN BASSWOOD LINDEN TILIA AMERICANA	3.0" CAL
evergreen (circle)	68	SR	SKYROCKET JUNIPER JUNIPERUS SCOPULORUM "SKYROCKET"	8' HL
tree (circle)	21	RB	OKLAHOMA REDBUD CERCIS RENIFORMIS "OKLAHOMA"	3.0" CAL
shrub (circle)	157	BB	BURNING BUSH EUONYMUS ALATA "COMPACTUS"	2 Gallon Pot



Professional Registration
 Missouri
 Engineering 202602185-D
 Surveying 202603082-UHO
 Kansas
 Engineering 5-1896
 Surveying 45-219
 Oklahoma
 Engineering 8254
 Nebraska
 Engineering CA2821

Project:
 NEWBERRY LANDING, LSMO
 Issue Date:
 January 4, 2024

Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri

Project:
 NEWBERRY LANDING, LSMO
 Issue Date:
 January 4, 2024

LANDSCAPE PLAN
 Construction Plans for:
 Lot 294, Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri



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

REVISIONS
 12-09-2024
 REV. 12/20/2024
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RELEASED FOR CONSTRUCTION
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Development Services Department
Lee's Summit, Missouri
02/24/2026

Professional Registration
Missouri
Engineering 202502185-D
Surveying 202503114-D
Kansas
Engineering 5-1695
Surveying LS-219
Oklahoma
Engineering 8254
Nebraska
Engineering CA2621

Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

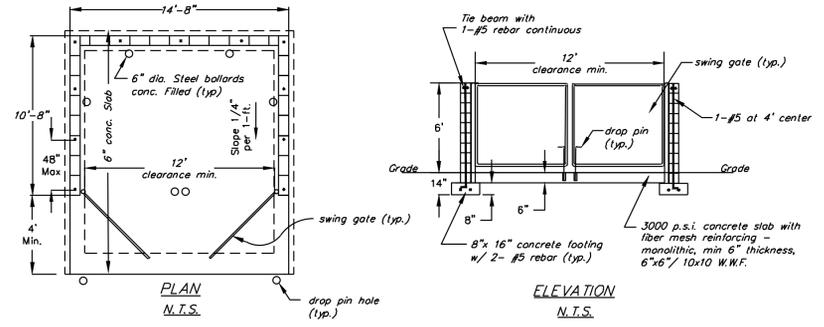
Project:
NEWBERRY
LANDING, LSNMO
Issue Date:
January 4, 2024

LANDSCAPE DETAILS
Construction Plans for:
Lot 294, Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

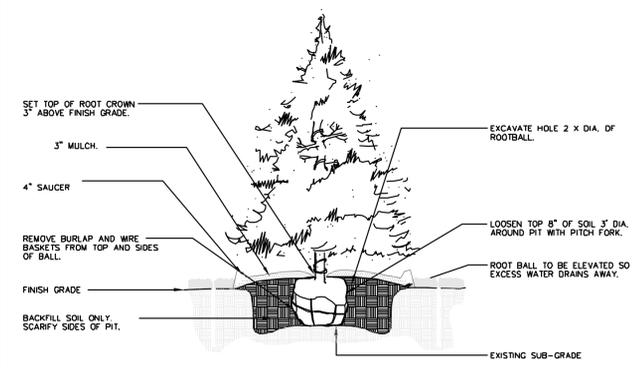


Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 23226

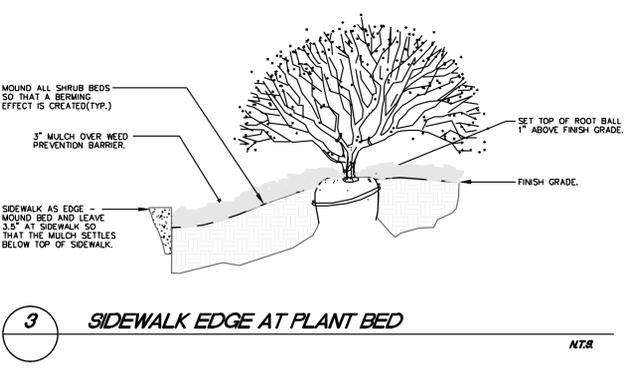
REVISIONS
12-09-2024
REV. 12/20/2024
REV. 9/25/25
REV. 2/23/26



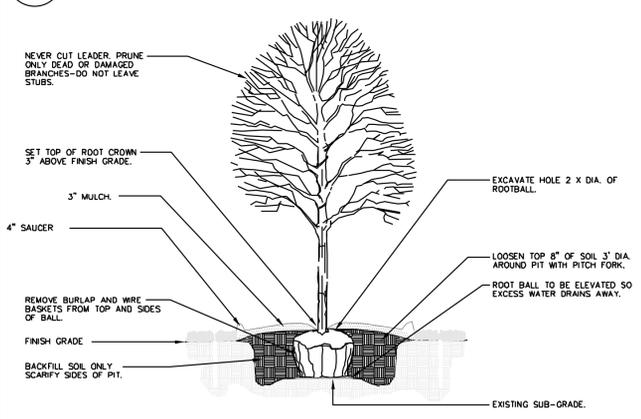
DUMPSTER ENCLOSURE SINGLE
NON-TRAFFIC BEARING
N.T.S.



1 EVERGREEN TREE PLANTING
N.T.S.



3 SIDEWALK EDGE AT PLANT BED
N.T.S.



2 DECIDUOUS TREE PLANTING
N.T.S.

GENERAL LANDSCAPE NOTES:
PLANT MATERIAL

- ALL PLANT MATERIAL SHALL BE FIRST CLASS REPRESENTATIVES OF SPECIFIED SPECIES, VARIETY OR CULTIVAR, IN HEALTHY CONDITION WITH NORMAL WELL DEVELOPED BRANCHES AND ROOT PATTERNS. PLANT MATERIAL MUST BE FREE OF OBJECTIONABLE FEATURES. PLANTS SHALL COMPLY IN ALL APPLICABLE RESPECTS WITH PROPER STANDARDS AS SET FORTH IN THE AMERICAN ASSOCIATION OF NURSERYMEN'S "AMERICAN STANDARD OF NURSERY STOCK", ANS Z60.1-2006.
- SHRUBS SHALL BE CONTAINER GROWN AND WILL BE FREE OF DISEASE AND PESTS. NO BARE ROOT. ALL PLANT BEDS TO BE MULCHED TO A DEPTH OF 3" WITH DARK BROWN, HARDWOOD MULCH. PLANTING BEDS ARE TO BE FREE OF WEEDS AND GRASS. TREAT BEDS WITH A PRE-EMERGENT HERBICIDE PRIOR TO PLANTING AND MULCH PLACEMENT. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE.
- HOLE AREA FOR TREE TO BE TWICE (2x) THE DIAMETER OF THE ROOT BALL AND ROOT BALL SHALL BE SLIGHTLY MOUNDED FOR WATER RUN-OFF.
- ALL PLANT MATERIALS SHALL BE PROTECTED FROM THE DRYING ACTION OF THE SUN AND WIND AFTER BEING DUG, WHILE BEING TRANSPORTED, AND WHILE AWAITING PLANTING. BALLS OF PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY SHALL BE PROTECTED FROM DRYING ACTION BY COVERING THEM WITH MOIST MULCH. PERIODICALLY, APPLY WATER TO MULCH-COVERED BALLS TO KEEP MOIST. IF PLANTING SHOULD OCCUR DURING GROWING SEASON, APPLY ANTI-DESICCANT TO LEAVES BEFORE TRANSPORT TO REDUCE THE LIKELIHOOD OF WINDBURN. REAPPLY ANTI-DESICCANT AFTER PLANTING TO REDUCE TRANSPIRATION. REMOVE TWINE AND BURLAP FROM ROOT BALLS. SOIL ON TOP OF CONTAINERIZED OR BALLED PLANTS IS TO BE REMOVED UNTIL ALL PLANTS' ROOT FLARES ARE EXPOSED. THIS IS THE NATIVE SOIL LINE AT WHICH PLANTING DEPTHS SHOULD BE MEASURED.
- AFTER PLANTING IS COMPLETED, PRUNE MINIMALLY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES. PRUNE IN SUCH A MANNER AS NOT TO CHANGE THE NATURAL HABIT OR SHAPE OF THE PLANT. MAKE CUTS BACK TO BRANCH COLLAR, NOT FLUSH. DO NOT PAINT ANY CUTS WITH TREE PAINT. CENTRAL LEADERS SHALL NOT BE REMOVED.
- GUARANTEE TREES, SHRUBS, GROUND COVER PLANTS FOR ONE CALENDAR YEAR FOLLOWING PROVISIONAL ACCEPTANCE OF THE OVERALL PROJECT. DURING THE GUARANTEE PERIOD, PLANTS THAT DIE DUE TO NATURAL CAUSES OR THAT ARE UNHEALTHY OR UNSIGHTLY IN CONDITION, SHALL BE REPLACED BY THE CONTRACTOR.

LAWN AND TURF AREAS

- ALL LAWN AREAS TO BE SOODED AS SHOWN ON PLANS. SOD SHALL COMPLY WITH US DEPT. OF AGRICULTURE RULES AND REGULATIONS UNDER THE FEDERAL SEED ACT AND EQUAL IN QUALITY TO STANDARDS FOR CERTIFIED SEED. SOD SHALL BE HEALTHY, THICK TURF HAVING UNDERGONE A PROGRAM OF REGULAR FERTILIZING, MOWING AND WEED CONTROL. SEED AND SOD SHALL BE A TURF-TYPE TALL FESCUE (3 WAY) BLEND. SEED BLEND SHALL CONSIST OF THE FOLLOWING:

TURF-TYPE TALL FESCUE	90%
KENTUCKY BLUEGRASS	10%

INSTALLATION

- THE INSTALLATION OF ALL PLANT MATERIALS SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE CITY OF LEE'S SUMMIT, MO, AND LANDSCAPE INDUSTRY STANDARDS.
- ALL LANDSCAPE AREAS TO BE FREE OF ALL BUILDING DEBRIS AND TRASH, BACK FILLED WITH CLEAN FILL SOIL AND TOP DRESSED WITH 4" OF TOPSOIL. TOPSOIL SHALL HAVE A pH RANGE OF 5.5 TO 7 AND A 4% ORGANIC MATERIAL MINIMUM, ASTM D5268.
- PLANT BEDS TO BE "MOUNDED". ALL PLANT MATERIAL, PLANT BEDS, MULCH AND DUG EDGE ARE TO BE INSTALLED PER LANDSCAPE PLANS, DETAILS, AND MANUFACTURER'S RECOMMENDATIONS.
- PREESTABLISH FINISH GRADES TO WITHIN ALLOWABLE TOLERANCES ALLOWING 3/4" FOR SOD AND 3" FOR MULCH IN PLANT BEDS. HAND RAKE ALL AREAS TO SMOOTH EVEN SURFACES FREE OF DEBRIS, CLODS, ROCKS, AND VEGETATIVE MATTER GREATER THAN 1".
- ALL PLANT BEDS, SHRUBS AND TREES SHALL BE MULCHED WITH 3" OF DARK BROWN, HARDWOOD MULCH, EXCEPT IF NOTED AS ROCK. DARK BROWN, HARDWOOD MULCH SHALL BE INSTALLED OVER DEWITT PRO 5 WEED CONTROL FABRIC IN PLANT BEDS ONLY.
- CONTRACTOR IS RESPONSIBLE FOR INITIAL WATERING UPON INSTALLATION.
- DUG EDGES ARE TO BE DUG WHERE MULCH BEDS ARE ADJACENT TO TURF AREAS. NO EDGING IS REQUIRED ADJACENT TO PAVEMENT OR CURB.
- THE EXACT LOCATION OF ALL UTILITIES, STRUCTURES, AND UNDERGROUND UTILITIES SHALL BE DETERMINED AND VERIFIED ON SITE BY THE LANDSCAPE CONTRACTOR PRIOR TO INSTALLATION OF THE MATERIALS. DAMAGE TO EXISTING UTILITIES AND OR STRUCTURES SHALL BE REPLACED TO THEIR ORIGINAL CONDITION BY THE LANDSCAPE CONTRACTOR AT NO COST TO THE OWNER.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVALS AND REG'D INSPECTIONS BY LEGAL AUTHORITIES.
- PROVISIONS SHALL BE MADE FOR READILY ACCESSIBLE IRRIGATION WITHIN 100' MAX. OF ALL LANDSCAPED AREAS INCLUDING ALL PLANT BEDS, INDIVIDUAL TREES, AND TURF AREAS. ALL LAWN AREAS (AS SHOWN ON PLANS) WILL BE IRRIGATED BY AN AUTOMATIC SPRINKLER SYSTEM. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL IRRIGATION COMPONENTS, SLEEVING, PIPE AND CONTROL DESIGN DRAWINGS OF IRRIGATION SYSTEM SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- ANY SUBSTITUTIONS OR DEVIATIONS SHALL BE REQUESTED IN WRITING BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF PLANT MATERIALS. ALL PLANTS ARE TO BE LOCATED AS SPECIFIED ON DRAWINGS.

MAINTENANCE BY OWNER

- ALL SHRUBS ARE TO BE MAINTAINED IN THEIR NATURAL SHAPE TO ALLOW EVENTUAL GROWTH INTO A HEDGE.
- MAINTAIN NATURAL HABIT OF ALL SPECIFIED PLANT MATERIAL.
- NEW SOD TO BE THOROUGHLY WATERED UNTIL ROOTS "TAKE HOLD" OF SOD BED. CONTINUE WATERING AS REQUIRED, UNTIL COMPLETELY ESTABLISHED.

IRRIGATION PERFORMANCE SPECIFICATION:

- THE FOLLOWING CRITERIA SHALL BE CONSIDERED MINIMUM STANDARDS FOR DESIGN AND INSTALLATION OF LANDSCAPE IRRIGATION SYSTEM:
- GENERAL - IRRIGATION SYSTEM TO INCLUDE DRIP IRRIGATION OF SHRUB BEDS ADJACENT TO BUILDINGS, SPRAY HEADS IN THE PARKING ISLANDS, AND ROTORS AROUND THE PERIMETER OF THE PARKING LOTS. HEADS SHALL THROW AWAY FROM BUILDING AND ACID SPRAYING OVER SIDEWALKS.
 - IRRIGATION SYSTEM SHALL CONFORM TO ALL INDUSTRY STANDARDS AND ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING DESIGN AND INSTALLATION.
 - WATERLINE TYPW, SIZE LOCATION, PRESSURE AND FLOW SHALL BE FIELD VERIFIED PRIOR TO SYSTEM DESIGN AND INSTALLATION.
 - ALL MATERIALS SHALL BE FROM NEW STOCK FREE OF DEFECTS AND CARRY A MINIMUM ONE YEAR WARRANTY FROM THE DATE OF SUBSTANTIAL COMPLETION.
 - THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED IN SUCH A WAY THAT ALL SYSTEM COMPONENTS OPERATE WITHIN THE GUIDELINES ESTABLISHED BY THE MANUFACTURER.
 - LAWN AREA AND SHRUB BEDS SHALL BE ON SEPARATE CIRCUITS.
 - PROVIDE WATER TAP, METER SET, METER VAULT AND ALL OTHER OPERATIONS NECESSARY TO PROVIDE WATER FOR IRRIGATION SHALL CONFORM TO LOCAL WATER GOVERNING AUTHORITY GUIDELINES AND STANDARDS.
 - BACKFLOW PREVENTION SHALL BE PROVIDED IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
 - IRRIGATION CONTROLLER TO BE LOCATED IN UTILITY ROOM INSIDE BUILDING, AS IDENTIFIED BY OWNER.
 - IRRIGATION CONTROLLER STATIONS SHALL BE LABELED TO CORRESPOND WITH THE CIRCUIT IT CONTROLS.
 - CONTRACTOR SHALL PROVIDE TO THE OWNER WRITTEN OPERATION INFORMATION FOR ALL SYSTEM COMPONENTS.
 - CONTRACTOR SHALL PROVIDE TO THE OWNER ALL KEYS, ACCESS TOOLS, WRENCHES AND ADJUSTING TOOLS NECESSARY TO GAIN ACCESS, ADJUST AND CONTROL THE SYSTEM.
 - CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
 - AN AUTOMATIC RAIN SHUT-OFF OR MOISTURE DEVICE SHALL BE INSTALLED.
 - INSTALL SCHEDULE 40 PVC SLEEVES UNDER ALL CURBS, PAVING AND SIDEWALKS. SLEEVES TO BE TWICE THE SIZE OF THE LINE IT HOUSES.
 - INSTALL MANUAL DRAIN VALVES AT LOWEST POSSIBLE ELEVATION ON IRRIGATION MAIN TO ALLOW GRAVITY DRAINING OF MAIN DURING WINTER MONTHS. PROVIDE QUICK COUPLERS AT MULTIPLE LOCATIONS TO ALLOW FOR EASY "BLOWING OUT" OF LATERAL AND MAIN LINES.
 - ZONES OR NOZZLES SHALL BE DESIGNED WITH MATCHED PRECIPITATION RATES.
 - MINIMUM LATERAL DEPTH IS 15" AND MAIN DEPTH IS 18".
 - SUBMIT DESGN DRAWING WITH BID TO ALLOW OWNER TO EVALUATE SYSTEM. INCLUDE CUT SHEETS OF ALL COMPONENTS AND ZONE TABLE ILLUSTRATING FLOWS AND ANTICIPATED PRESSURE AT FURTHEST HEAD.
 - AN "AS-BUILT" SCALED DRAWING SHALL BE PROVIDED TO THE OWNER BY THE CONTRACTOR AND SHALL INCLUDE UT NOT BE LIMITED TO THE FOLLOWING:
 - AS CONSTRUCTED LOCATION OF ALL COMPONENTS
 - COMPONENT NAME, MANUFACTURER, MODEL INFORMATION, SIZE AND QUANTITY
 - PIPE SIZE AND QUANTITY
 - INDICATION OF SPRINKLER HEAD SPRAY PATTERN
 - CIRCUIT IDENTIFICATION SYSTEM
 - DETAILED METHOD OF WINTERIZED SYSTEM
- SUBMIT AS-BUILT DRAWING IN FULL SIZE DRAWING FORM AS WELL AS PDF ELECTRONIC FORMAT. (SCANNING FULL SIZE COPY OF PLAN IS ACCEPTABLE IF IT CAN BE PRINTED TO SCALE.