

PROJECT CONDITIONS

Existing Utilities: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted in writing by Architect and then only after arranging to provide temporary utility services according to requirements indicated.

- Notify Engineer not less than two days in advance of proposed utility interruptions.
- Do not proceed with utility interruptions without Engineer's written permission.
- Contact utility-locator service for area where Project is located before excavating.
- Coordinate all interruptions with Owner's Representative and any planned activities or events that occur from the Owner's free use of the property or facilities.
- Demolish and completely remove from site existing underground utilities indicated to be removed. Coordinate with utility companies to shut off services if lines are active prior to disturbing respective utility.
- Protect, shore and/or secure all existing utilities to retain pre-construction condition throughout execution of work under this contract or until modification to specific utility is required by this contract or coordinated as work by other.
- Protect, shore and/or secure all new utility work throughout all construction activities.

PRODUCTS

- SOIL MATERIALS
- General: Provide borrow soil materials when sufficient satisfactory soil materials are not available from excavations
- Satisfactory Soils: ASTM D 2487 Soil Classification Groups GW, GP, GM, SW, SP, and SM (AASHTO M 145 Soil Classification Groups A-1, A-2.4, A-2.5, and A-3), or a combination of these groups; free of rock or gravel larger than 3 inches in any dimension, debris, waste, frozen materials, vegetation, and other deleterious matter. Refer to the attached soils report for further details regarding the placement and location of the satisfactory soils. Fill materials should be placed in loose lifts of six (6) to eight (8) inches thick at a moisture content within 2% of optimum. Any cohesive soils used for select fill should be free of excess silt and have a plasticity index of 15 to 20%.
- Unsatisfactory Soils: Soil Classification Groups GC, SC, CL, ML, OL, CH, MH, OH, and PT according to ASTM D 2487, A-2.6, A-2.7, A-4, A-5, A-6, and A-7 according to AASHTO M 145, or a combination of these groups.
- Unsatisfactory soils also include satisfactory soils not maintained within 2 percent of optimum moisture content at time of compaction.
- Subbase Material: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; with at least 90 percent passing a 1-1/2-inch sieve and not more than 12 percent passing a No. 200 sieve.
- Base Course: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; with at least 95 percent passing a 1-1/2-inch sieve and not more than 8 percent passing a No. 200 sieve.
- Engineered Fill: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; with at least 90 percent passing a 1-1/2-inch sieve and not more than 12 percent passing a No. 200 sieve.
- Bedding Course: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; except with 100 percent passing a 1-inch sieve and not more than 8 percent passing a No. 200 sieve.
- Drainage Course: Narrowly graded mixture of washed crushed stone, or crushed or uncrushed gravel; ASTM D 448; coarse-aggregate grading Size 57; with 100 percent passing a 1-1/2-inch sieve and 0 to 5 percent passing a No. 8 sieve.

EXECUTION

PREPARATION

- Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork operations.
- Preparation of subgrade for earthwork operations including removal of vegetation, topsoil, debris, obstructions, and deleterious materials from ground surface is specified in Division 31 Section "Site Clearing."
- Protect and maintain erosion and sedimentation controls, which are specified in Division 31 Section "Site Clearing," during earthwork operations.
- Provide protective insulating materials to protect subgrades and foundation soils against freezing temperatures or frost.

DEWATERING

- Prevent surface water and ground water from entering excavations, from ponding on prepared subgrades, and from flooding Project site and surrounding area.
- Protect subgrades from softening, undermining, washout, and damage by rain or water accumulation.
- Reroute surface water runoff away from excavated areas. Do not allow water to accumulate in excavations. Do not use excavated trenches as temporary drainage ditches.

EXCAVATION - GENERAL

- Unclassified Excavation: Excavate to subgrade elevations regardless of the character of surface and subsurface conditions encountered. Unclassified excavated materials may include rock, soil materials, and obstructions. No changes in the Contract Sum or the Contract Time will be authorized for rock excavation or removal of obstructions.
- If excavated materials intended for fill and backfill include unsatisfactory soil materials and rock, replace with satisfactory soil materials.

EXCAVATION FOR STRUCTURES

- Excavate to indicated elevations and dimensions within a tolerance of plus or minus 1 inch. If applicable, extend excavations a sufficient distance from structures for placing and removing concrete formwork, for installing services and other construction, and for inspections.

EXCAVATION FOR UTILITY TRENCHES

- Excavate trenches to indicated gradients, lines, depths, and elevations.
- Excavate trenches to uniform widths to provide the following clearance on each side of pipe or conduit. Excavate trench walls vertically from trench bottom to 12 inches (300 mm) higher than top of pipe or conduit, unless otherwise indicated.
- Clearance: 12 inches each side of pipe or conduit.
- Trench Bottoms: Excavate trenches 9 inches deeper than bottom of pipe elevation to allow for bedding course. Hand excavate for bell of pipe.
- Excavate trenches 6 inches deeper than elevation required in rock or other unyielding bearing material to allow for bedding course.

SUBGRADE INSPECTION

- Excavate soft spots, unsatisfactory soils, and areas of excessive pumping or rutting, as determined by Geotechnical Engineer, and replace with compacted backfill or fill as directed.
- Reconstruct subgrades damaged by freezing temperatures, frost, rain, accumulated water, or construction activities, as directed by Architect, without additional compensation.

STORAGE OF SOIL MATERIALS

- Stockpile borrow soil materials and excavated satisfactory soil materials without intermixing. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.
- Stockpile soil materials away from edge of excavations. Do not store within drip line of remaining trees.

BACKFILL

- Place and compact backfill in excavations promptly, but not before completing the following:
- Construction below finish grade including, where applicable, subdrainage, dampproofing, waterproofing, and perimeter insulation.
- Surveying locations of underground utilities for Record Documents.
- Testing and inspecting underground utilities.
- Removing concrete formwork, trash and debris, temporary shoring and bracing, and sheeting.
- Installing permanent or temporary horizontal bracing on horizontally supported walls.
- Place backfill on subgrades free of mud, frost, snow, or ice.

UTILITY TRENCH BACKFILL

- Place backfill on subgrades free of mud, frost, snow, or ice.
- Place and compact bedding course on trench bottoms and where indicated. Shape bedding course to provide continuous support for bells, joints, and barrels of pipes and for joints, fittings, and bodies of conduits.
- Backfill trenches excavated under footings and within 18 inches of bottom of footings with satisfactory soil; fill with concrete to elevation of bottom of footings.
- Provide 6-inch-thick, concrete-base slab support for piping or conduit less than 30 inches below surface of roadways. After installing and testing, completely encase piping or conduit in a minimum of 6 inches of concrete before backfilling or placing roadway subbase.
- Place and compact initial backfill of satisfactory soil, free of particles larger than 3 inch in any dimension, to a height of 12 inches over the utility pipe or conduit.
- Carefully compact initial backfill under pipe haunches and compact evenly up on both sides and along the full length of utility piping or conduit to avoid damage or displacement of piping or conduit. Coordinate backfilling with utilities testing.
- Backfill voids with satisfactory soil while installing and removing shoring and bracing.
- Place and compact final backfill of satisfactory soil to final subgrade elevation.

SOIL FILL

- Plow, scarify, bench, or break up sloped surfaces steeper than 1 vertical to 4 horizontal so fill material will bond with existing material.
- Place and compact fill material in layers to required elevations as follows:
- Under grass and planted areas, use satisfactory soil material.
- Under walks and pavements, use satisfactory soil material.

SOIL MOISTURE CONTROL

- Uniformly moisten or aerate subgrade and each subsequent fill or backfill soil layer before compaction to within 2 percent of optimum moisture content.
- Do not place backfill or fill soil material on surfaces that are muddy, frozen, or contain frost or ice.
- Remove and replace, or scarify and air dry otherwise satisfactory soil material that exceeds optimum moisture content by 2 percent and is too wet to compact to specified dry unit weight.

COMPACTION OF SOIL BACKFILLS AND FILLS

- Place backfill and fill soil materials in layers not more than 9 inches in loose depth for material compacted by heavy compaction equipment, and not more than 4 inches in loose depth for material compacted by hand-operated tampers.
- Place backfill and fill soil materials evenly on all sides of structures to required elevations, and uniformly along the full length of each structure.
- Compact soil materials to not less than the following percentages of maximum dry unit weight according to ASTM D 698:
- Under walkways, scarify and recompact top 6 inches below subgrade and compact each layer of backfill or fill soil material at 95 percent.
- Under lawn or unpaved areas, scarify and recompact top 6 inches below subgrade and compact each layer of backfill or fill soil material at 90 percent.
- For utility trenches, compact each layer of initial and final backfill soil material at 95 percent.

GRADING

- General: Uniformly grade areas to a smooth surface, free of irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.
- Provide a smooth transition between adjacent existing grades and new grades.
- Cut out soft spots, fill low spots, and trim high spots to comply with required surface tolerances.
- Site Grading: Slope grades to direct water away from buildings and to prevent ponding. Finish subgrades to required elevations within the following tolerances:
- Lawn or Unpaved Areas: Plus or minus 1 inch. Walks: Plus or minus 1/2 inch. Pavements: Plus or minus 1/4 inch.

SUBBASE AND BASE COURSES

- Place subbase and base course on subgrades free of mud, frost, snow, or ice.

DRAINAGE COURSE

- Place drainage course on subgrades free of mud, frost, snow, or ice.
- On prepared subgrade, place and compact drainage course under cast-in-place concrete slabs-on-grade as follows:
- Place drainage course that exceeds 6 inches in compacted thickness in layers of equal thickness, with no compacted layer more than 6 inches thick or less than 3 inches thick.
- Compact each layer of drainage course to required cross sections and thicknesses to not less than 95 percent of maximum dry unit weight according to ASTM D 698.

PROTECTION

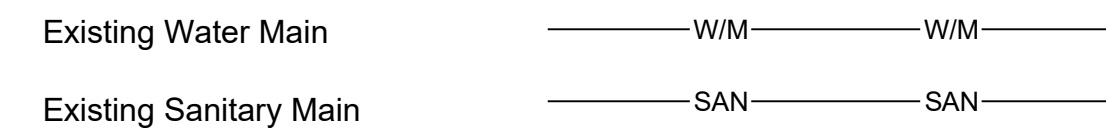
- Protecting Graded Areas: Protect newly graded areas from traffic, freezing, and erosion. Keep free of trash and debris.
- Repair and reestablish grades to specified tolerances where completed or partially completed surfaces become eroded, rutted, settled, or where they lose compaction due to subsequent construction operations or weather conditions.
- Scarify or remove and replace soil material to depth as directed by Engineer; reshape and recompact.
- Where setting occurs before Project correction period elapses, remove finished surfacing, backfill with additional soil material, compact, and reconstruct surfacing.
- Restore appearance, quality, and condition of finished surfacing to match adjacent work, and eliminate evidence of restoration to greatest extent possible.

DISPOSAL OF SURPLUS AND WASTE MATERIALS

- Disposal: Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and legally dispose of it off Owner's property.

Retention Facility Outlet Improvements
Mill Creek at Summit Mill
Residential Retention Facility
Section 2, Township 47, Range 31
Lee's Summit, Jackson County, Missouri

LEGEND:



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 PLAN.
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.

SEED AND MULCH NOTES:

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

Seed and Fertilizer Rate:

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

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

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

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

Index of Sheets:

Table with 2 columns: Sheet and Title. Rows include C 1.0 Cover Sheet, C 1.1 Existing Conditions, C 2.0 Drainage Area Map, C 3.0 General Layout, and C 4.0 Detail Sheet.

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.

- City of Lee's Summit Public Works 816-969-1800
Missouri Gas Energy
Kansas City Power and Light



CALL 2 WORKING DAYS BEFORE YOU DIG - DRILL - BLAST (TOLL FREE) 1-800-344-7483 KANSAS ONE CALL SYSTEM, INC.



Summary of Quantities:

Table with 3 columns: ITEM AND DESCRIPTION, UNIT, ESTIMATED QUANTITY. Rows include DEMOLITION, CLEARING, GRADING & GRUBBING, SEEDING / MULCHING/ FERTILIZING, STORM PIPE, STRADDLE BLOCK, SILT FENCE, MODIFY EXISTING HEADWALL AT OUTLET, and NEW HEADWALL AT INLET.

BENCH MARK DATA:

BENCH MARK (Global):

Benchmark Elev. 961.32'
North rim manhole, north side of existing, 65' south of Langsford Road

NOTES:

- 1. Contractor to obtain 3 year maintenance bond.
2. HOA requires 15 day advanced notification of any work starting or changes of lake elevation.
3. Contractor to provide a Sign (Dangerous site -stay out).
4. Contractor to coordinate lay down areas with HOA.

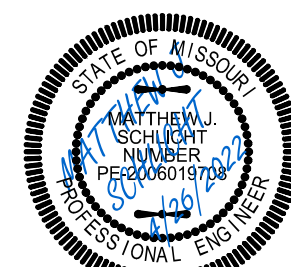


Professional Registration
Missouri
Engineering 2005602168-D
Surveying 200506319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Retention Facility Outlet Reconstruction
Lee's Summit, Jackson County, Missouri
Section 2, Township 47, Range 31

Project Mill Creek Pond
Issue Date March 31, 2022

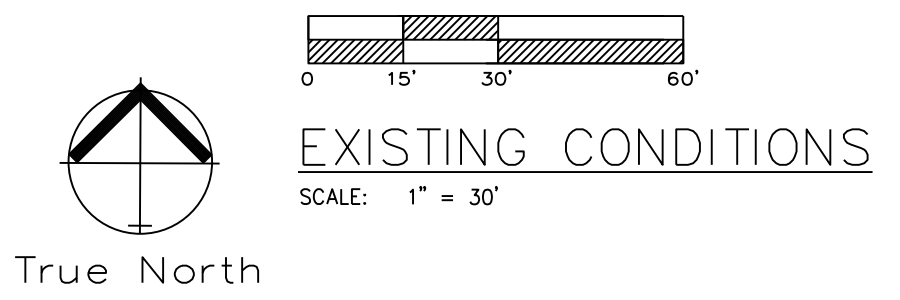
Cover Sheet
Construction Plans for:
Mill Creek Retention Facility Outlet
Lee's Summit, Jackson County, Missouri



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

REVISIONS

Table with 2 columns: No. and Description. It is currently empty.



James M. V

C/L SE Langford Road  
50' R/W

TRACT "A"

27

28

29

35

LOT 51

- EX FG=957.71
- EX FG=959.58
- EX FG=961.18
- EX FG=962.25
- EX FG=962.70
- EX FG=962.65
- EX FG=962.06
- EX FG=961.67
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- EX FG=961.30

LOT 52

LOT 53

LOT 54

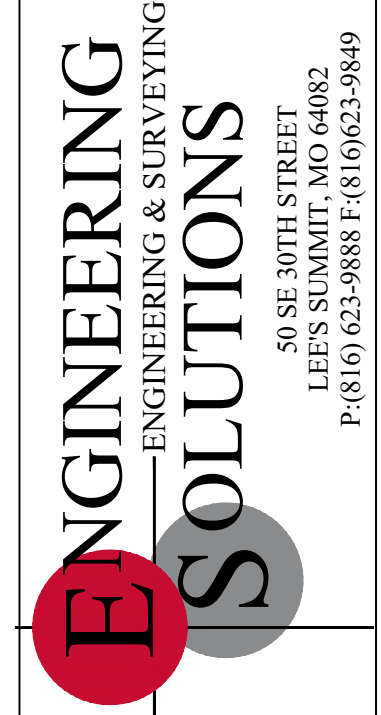
LOT 55

CONTRACTOR TO BACK FILL  
PER DESIGN ON C3.0

SUMMIT MILL  
1ST PLAT  
ZONED R1

MILL CREEK OF SUMMIT  
MILL 1ST PLAT LOTS 1-41  
AND TRACTS A-J LOT 28

MILL CREEK OF SUMMIT  
1ST PLAT LOTS 1-41

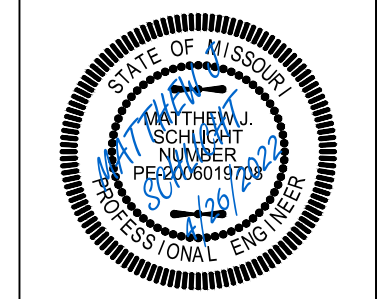


Professional Registration  
Missouri  
Engineering 200502188-D  
Surveying 20050319-D  
Kansas  
Engineering E-1895  
Surveying LS-218  
Oklahoma  
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Nebraska  
Engineering CA2821

Retention Facility Outlet Reconstruction  
Lee's Summit, Jackson County, Missouri  
Section 2, Township 47, Range 33

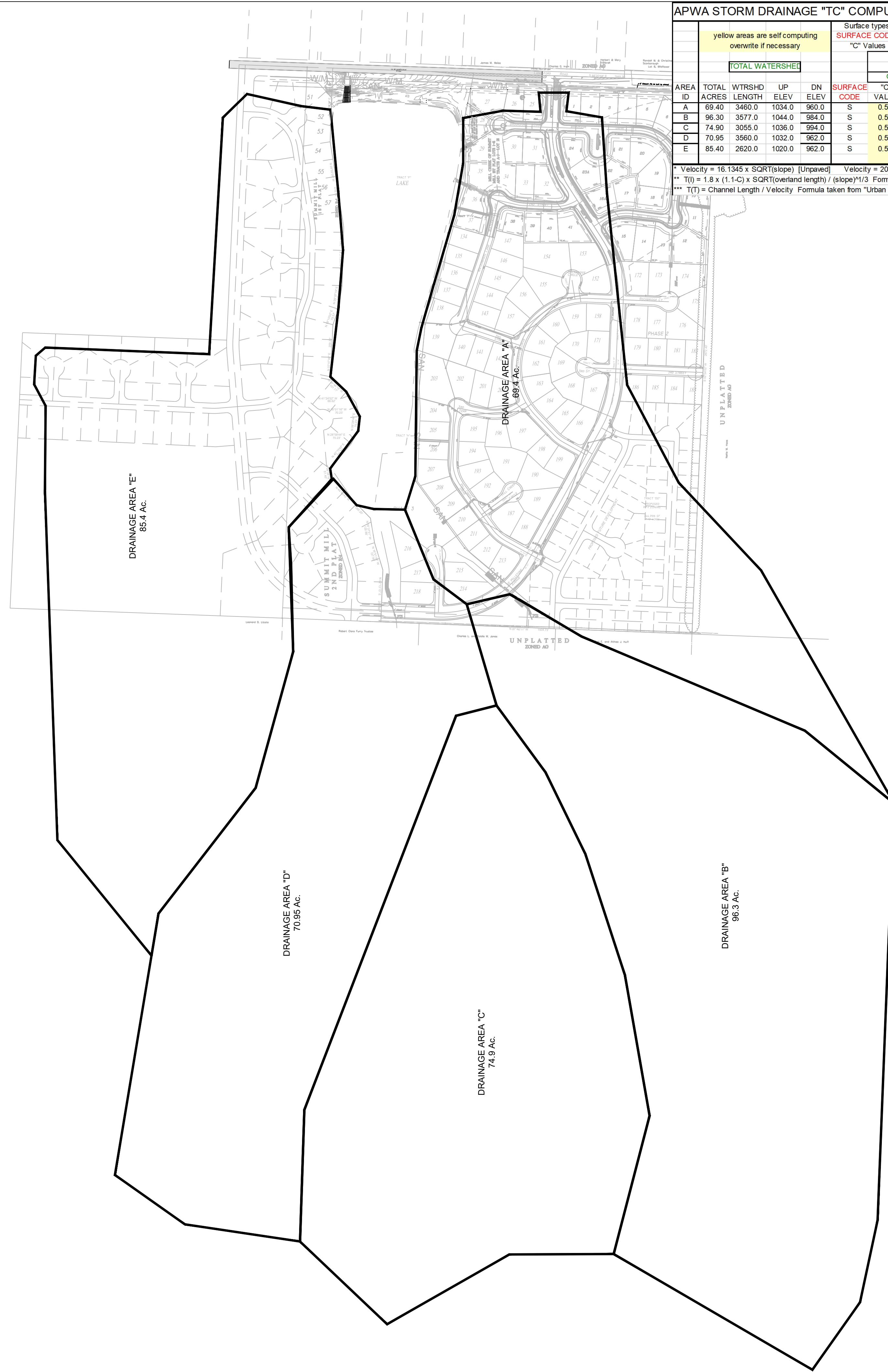
Project Mill Creek Pond  
Issue Date March 31, 2022

Existing Conditions  
Construction Plans for:  
Mill Creek Retention Facility Outlet  
Lee's Summit, Jackson County, Missouri



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

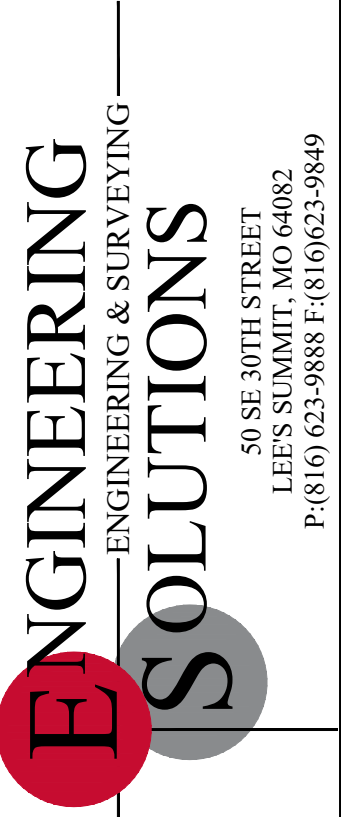
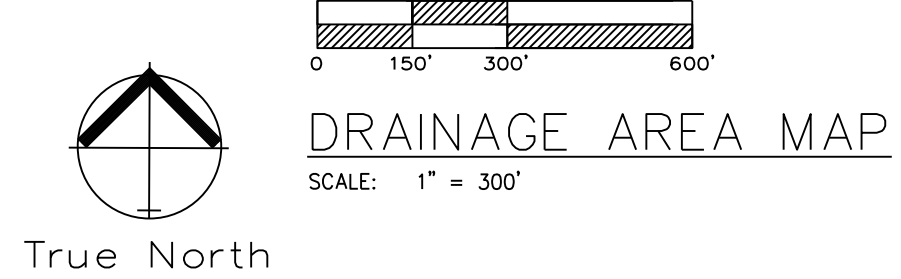
REVISIONS

**APWA STORM DRAINAGE "TC" COMPUTATIONS FOR : MILL CREEK POND**

Surface types:		Asph/Conc	Bus/Com	Dirt	Grass/Park	Lake	MultFam	SngFam	Under	Other																	
SURFACE CODES		A	B	D	G	L	M	S	U	Z																	
"C" Values		0.90	0.87	0.60	0.30	0.90	0.66	0.51	0.51																		
TOTAL WATERSHED																											
AREA	TOTAL ACRES	WTRSHD LENGTH	UP ELEV	DN ELEV	SURFACE CODE	"C" VALUE	OVRLND LENGTH	UP ELEV	DN ELEV	SLOPE %	SURFACE CODE	P=Unpaved	Channel Length	UP ELEV	DN ELEV	SLOPE %	VELOCITY F/S	Cal Overland Flow	Used Min 15 T(1)	Cal Channel One T(1)	Cal Channel Two T(2)	Total T(10)	Intensity 10 I	Intensity 100 I	CFS 10 Q	CFS 100 Q	AREA
A	89.40	3460.0	1034.0	960.0	S	0.51	100.0	1034.0	1031.9	2.1	U	3360.0	1031.9	960.0	2.14	2.4	8.3	8.3	23.7	0.0	32.0	3.8	5.3	132.84	188.90	A	
B	96.30	3577.0	1044.0	984.0	S	0.51	100.0	1044.0	1042.5	1.5	U	3477.0	1042.5	984.0	1.68	2.1	9.3	9.3	27.7	0.0	37.0	3.5	4.9	169.61	242.75	B	
C	74.90	3055.0	1036.0	994.0	S	0.51	100.0	1036.0	1034.5	1.5	U	2955.0	1034.5	994.0	1.37	1.9	9.3	9.3	26.1	0.0	35.4	3.5	5.1	135.45	193.48	C	
D	70.95	3560.0	1032.0	962.0	S	0.51	100.0	1032.0	1030.0	2.0	U	3460.0	1030.0	962.0	1.97	2.3	8.4	8.4	25.5	0.0	33.9	3.6	5.2	131.41	187.36	D	
E	85.40	2620.0	1020.0	962.0	S	0.51	100.0	1020.0	1017.8	2.2	U	2520.0	1017.8	962.0	2.21	2.4	8.2	8.2	17.5	0.0	25.7	4.2	5.9	183.99	259.01	E	

\* Velocity = 16.1345 x SQRT(slope) [Unpaved] Velocity = 20.3282 x SQRT(slope) [Paved] Formula taken from "Urban Hydrology for Small Watersheds - Technical Release 55", Appendix F.  
 \*\* T(1) = 1.8 x (1.1-C) x SQRT(overland length) / (slope)<sup>1/3</sup> Formula taken from American Public Works Association 5602.5.  
 \*\*\* T(2) = Channel Length / Velocity Formula taken from "Urban Hydrology for Small Watersheds - Technical Release 55", Eq. 3-1.

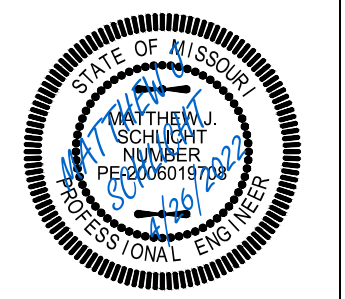


Professional Registration  
 Missouri  
 Engineering 2006020188-D  
 Surveying 2005030319-D  
 Kansas  
 Engineering E-1695  
 Surveying LS-218  
 Oklahoma  
 Engineering 6254  
 Nebraska  
 Engineering CA2821

Retention Facility Outlet Reconstruction  
 Lee's Summit, Jackson County, Missouri  
 Section 2, Township 47, Range 33

Project: Mill Creek Pond  
 Issue Date: March 31, 2022

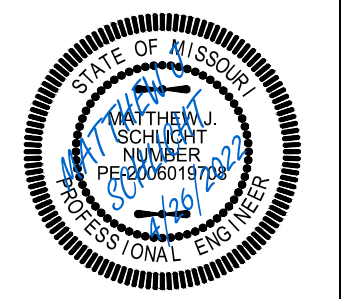
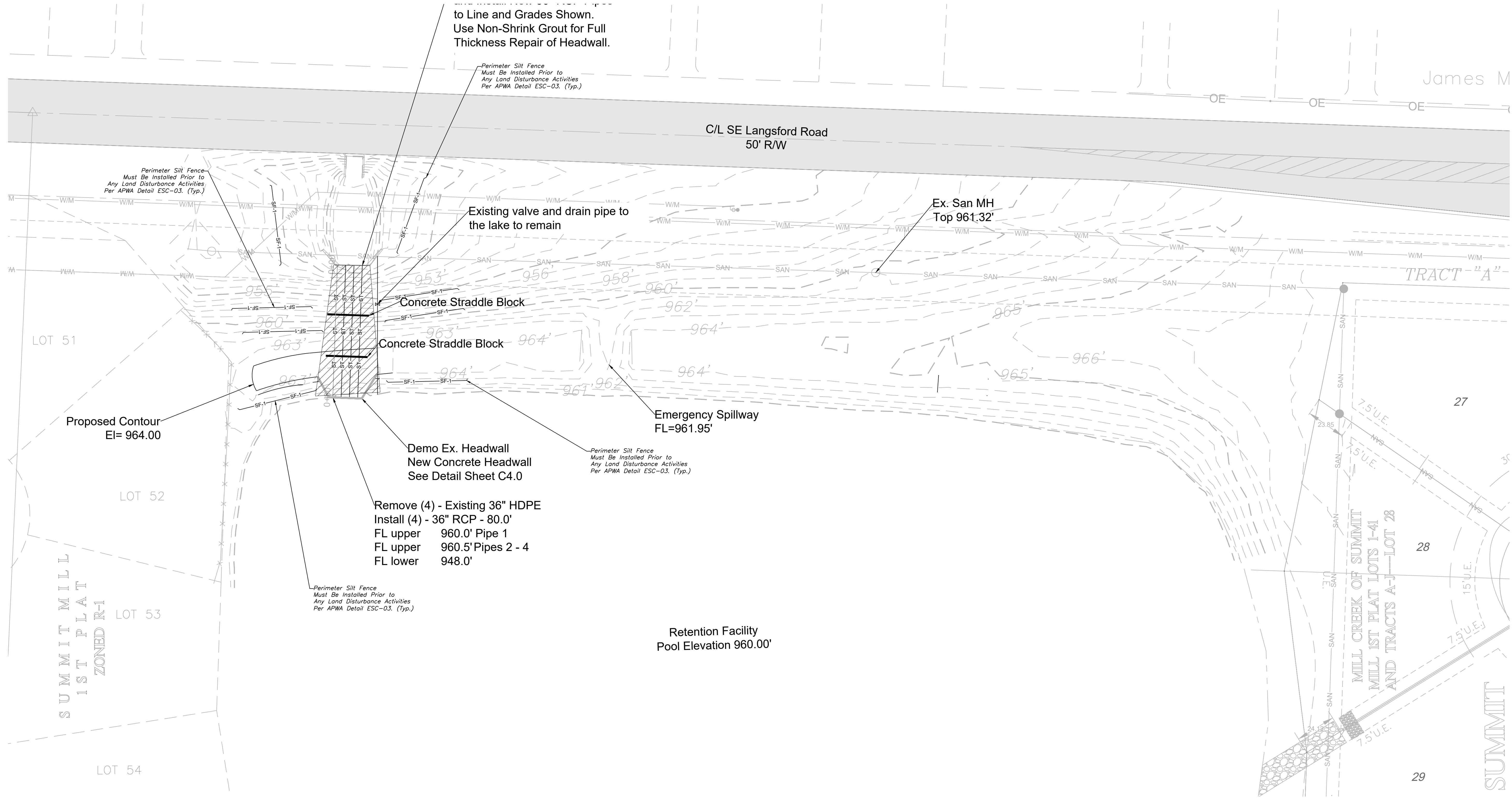
Drainage Area Map  
 Construction Plans for:  
 Mill Creek Retention Facility Outlet  
 Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht  
 MO PE 2006019708  
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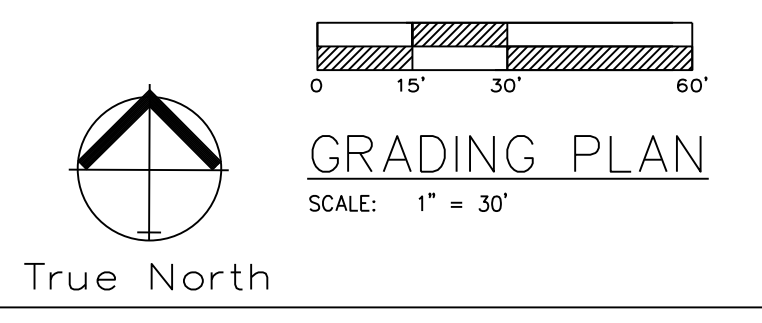
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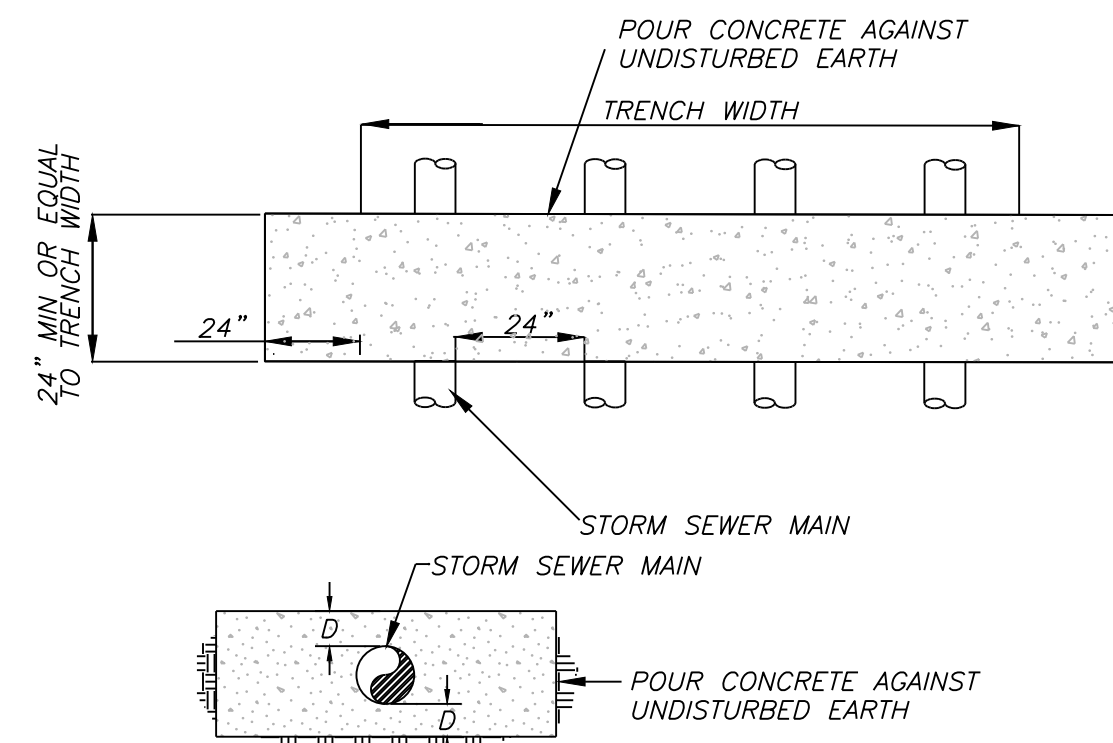

- NOTES:**
- Grading at the downstream headwall should be 6" below the top of the wall and graded to drain to outside of headwall.
  - Any damage to the downstream headwall that would occur during sawcutting should be repaired as directed by the designer.



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

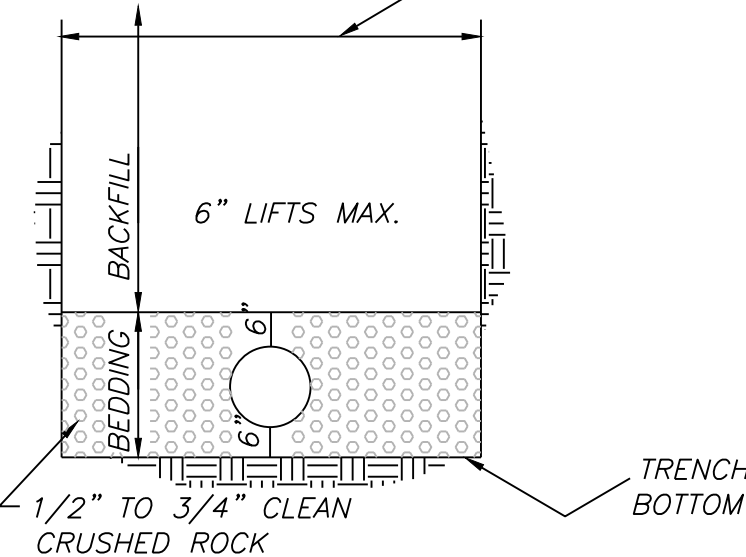
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STRADDLE BLOCK DETAIL

SEE NOTE 3

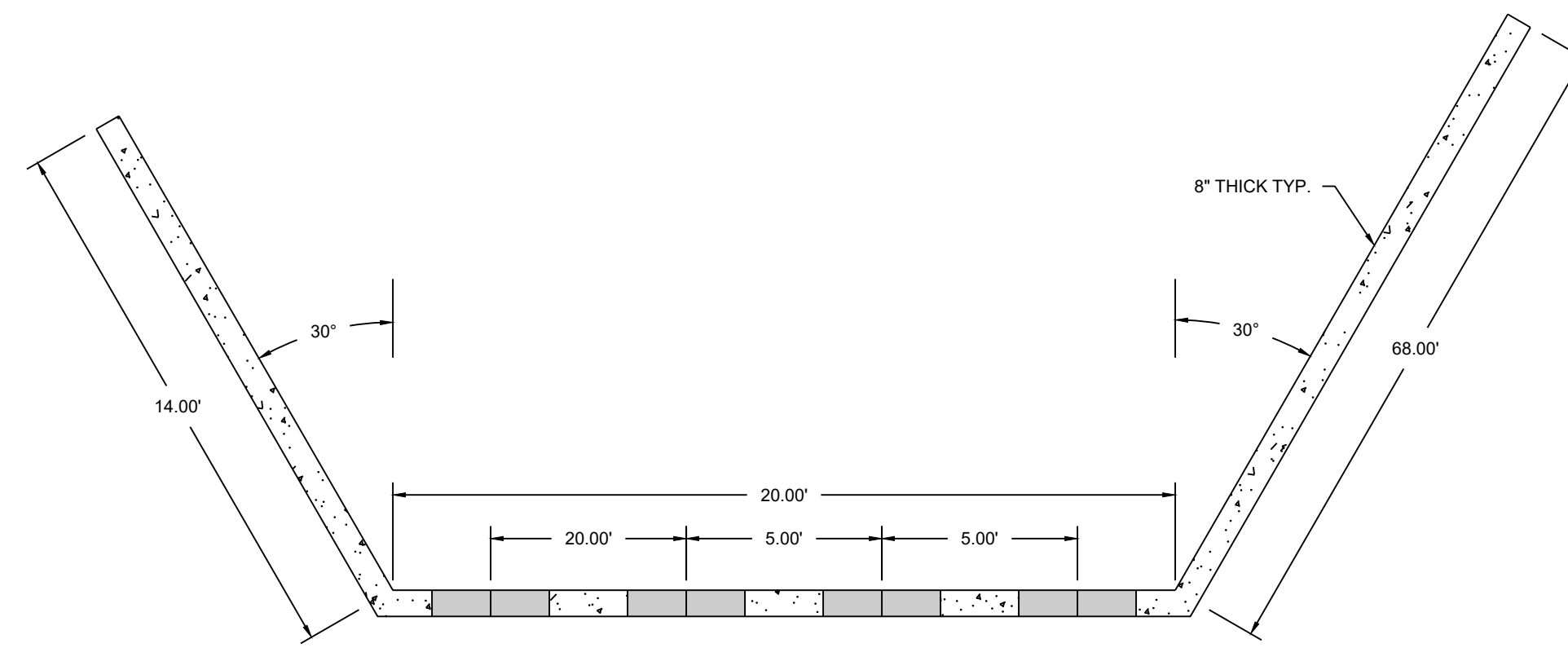


TYPICAL SECTION FOR PIPE INSTALLATION  
(IN ROCK OR SOIL)

NOTES:

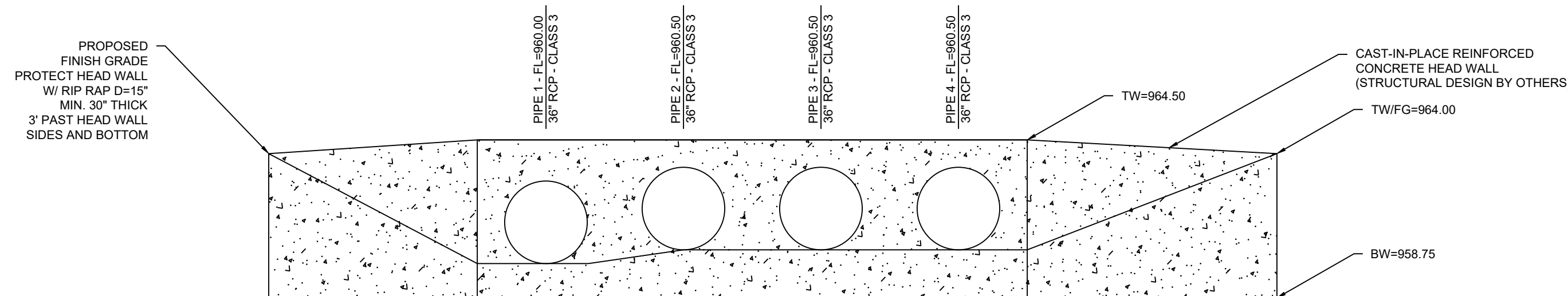
- 1) BACKFILL SHALL BE JOB EXCAVATED MATERIAL FREE FROM DEBRIS AND STONES COMPACTED TO 90% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D698. FOR BACKFILL UNDER PAVEMENT (EXISTING OR PROPOSED)
- 2) TRENCH BANKS MAY BE CUT BACK ON SLOPES IN ACCORDANCE WITH CURRENT OSHA REGULATIONS, BUT ONLY IN AREAS WHERE THE INCREASED TRENCH WIDTH WILL NOT INTERFERE WITH SURFACE FEATURES. SLOPES MUST NOT EXTEND BELOW TOP OF BEDDING.
- 3) MINIMUM AND MAXIMUM WIDTHS SHALL BE IN ACCORDANCE WITH PIPE MANUFACTURE'S RECOMMENDATION AS APPROVED ON ENGINEERING PLANS.

UNDERGROUND PIPE INSTALLATION  
FOR STORM SEWER LINES



HEAD WALL PLAN VIEW

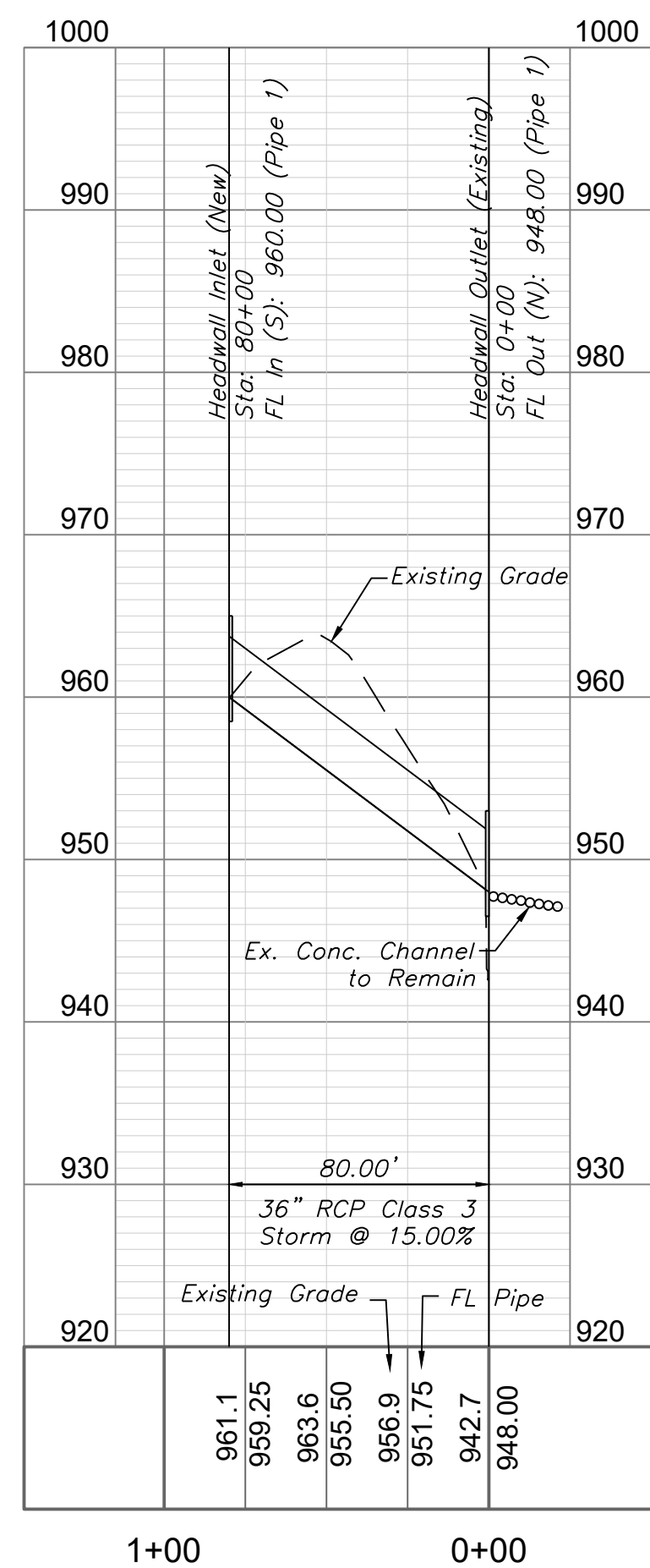
1/4" = 1'-0"



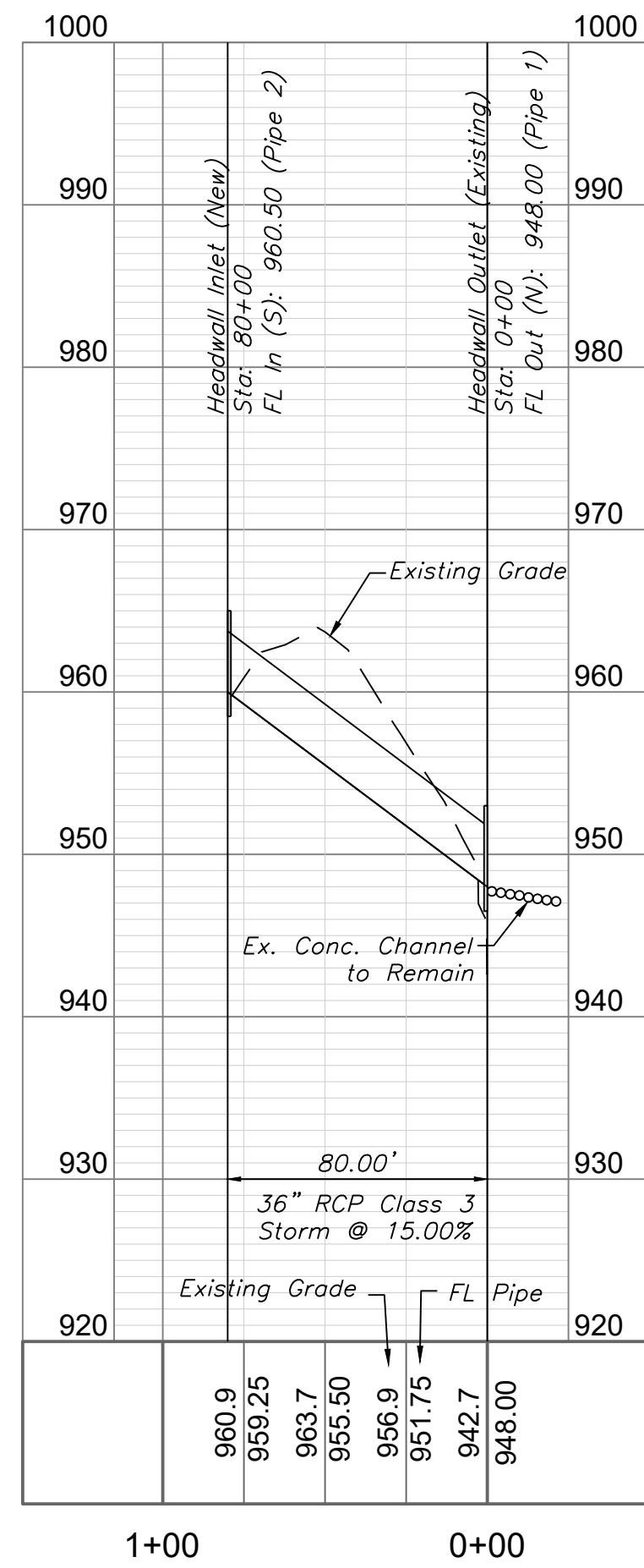
HEAD WALL SOUTH ELEVATION

1/4" = 1'-0"

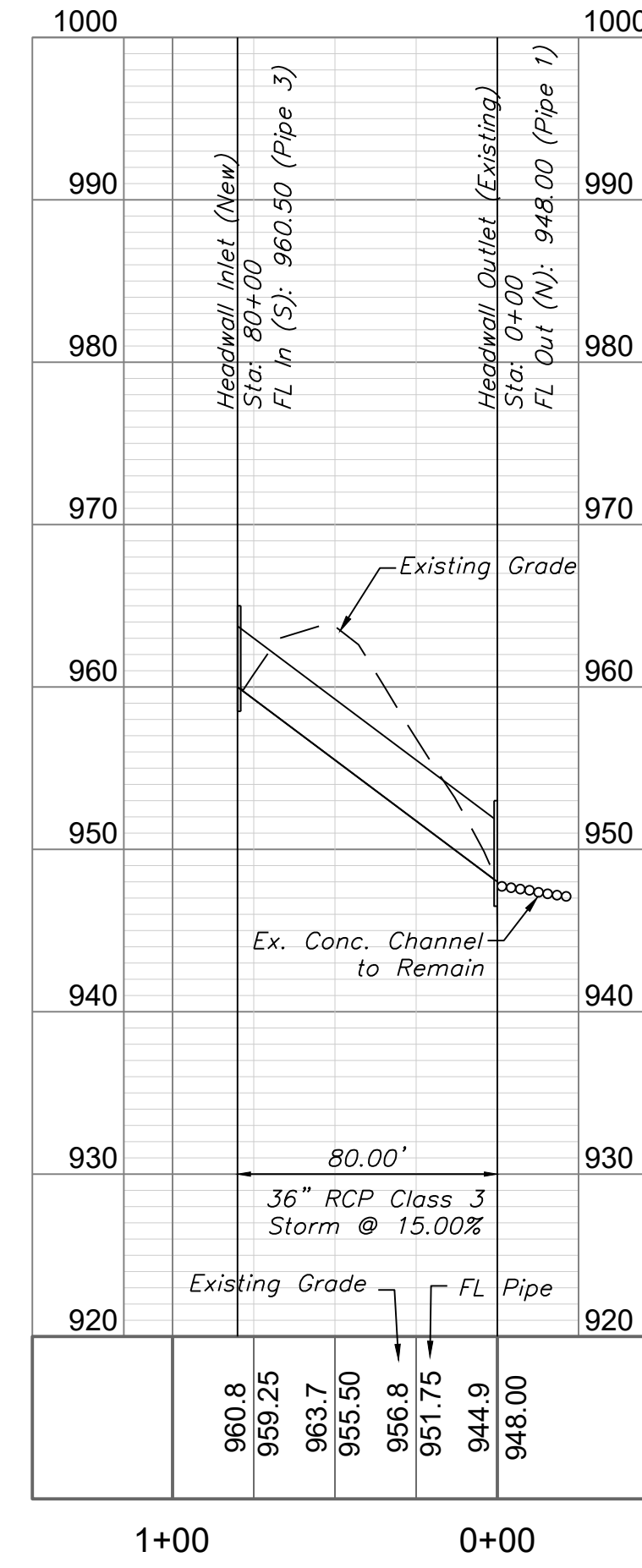
STORM OUTLET 1



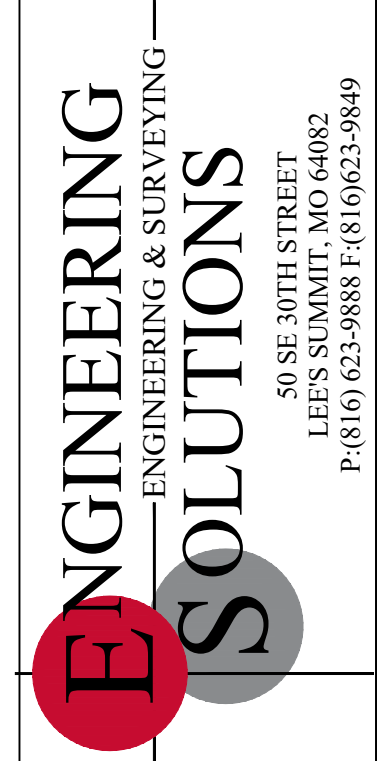
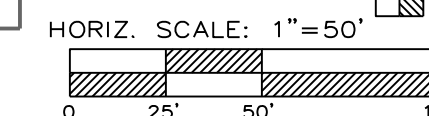
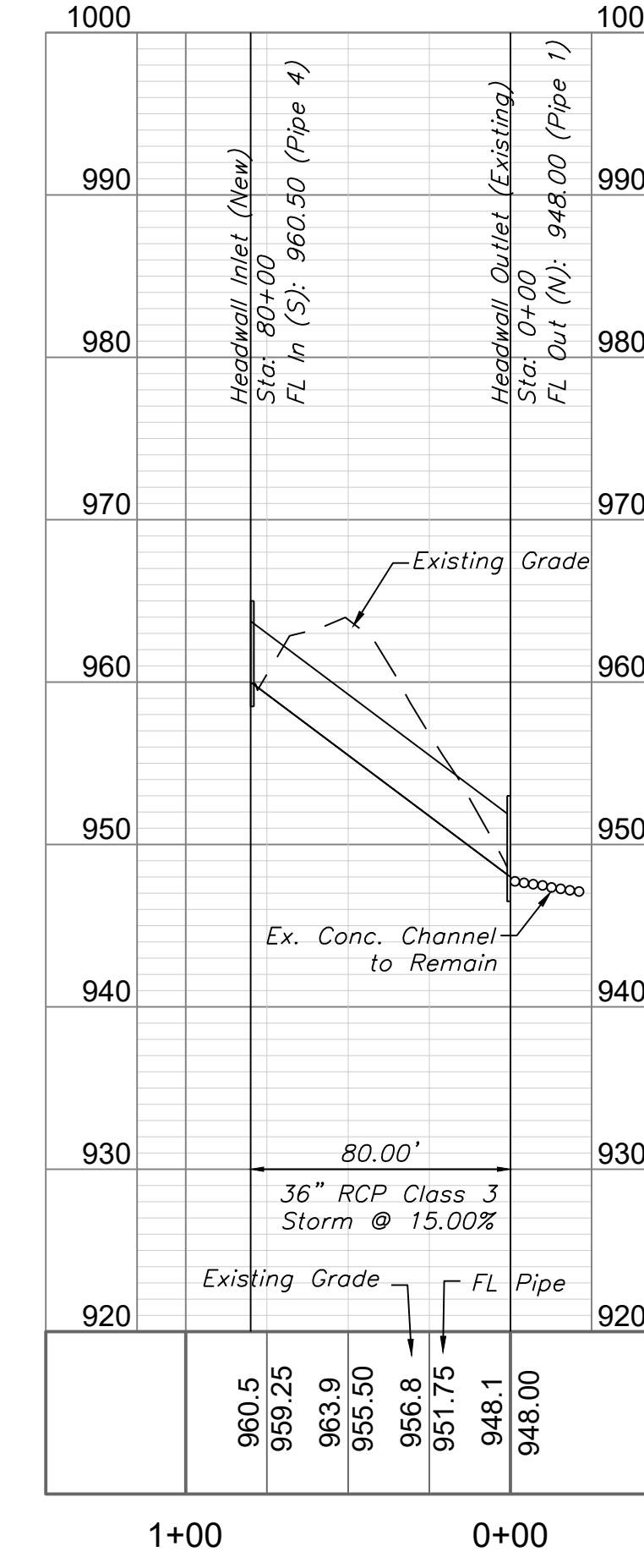
STORM OUTLET 2



STORM OUTLET 3



STORM OUTLET 4

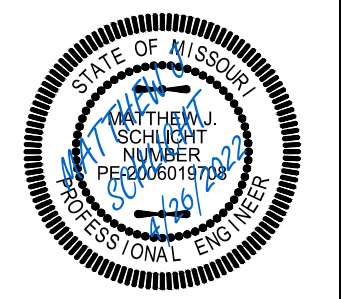


Professional Registration  
Missouri  
Engineering 200502188-D  
Surveying 20050319-D  
Kansas  
Engineering E-1695  
Surveying LS-218  
Oklahoma  
Engineering 6254  
Nebraska  
Engineering CA2821

Retention Facility Outlet Reconstruction  
Lee's Summit, Jackson County, Missouri  
Section 2, Township 47, Range 33

Project Mill Creek Pond  
Issue Date March 31, 2022

Detail Sheet  
Construction Plans for:  
Mill Creek Retention Facility Outlet  
Lee's Summit, Jackson County, Missouri



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

REVISIONS
