

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

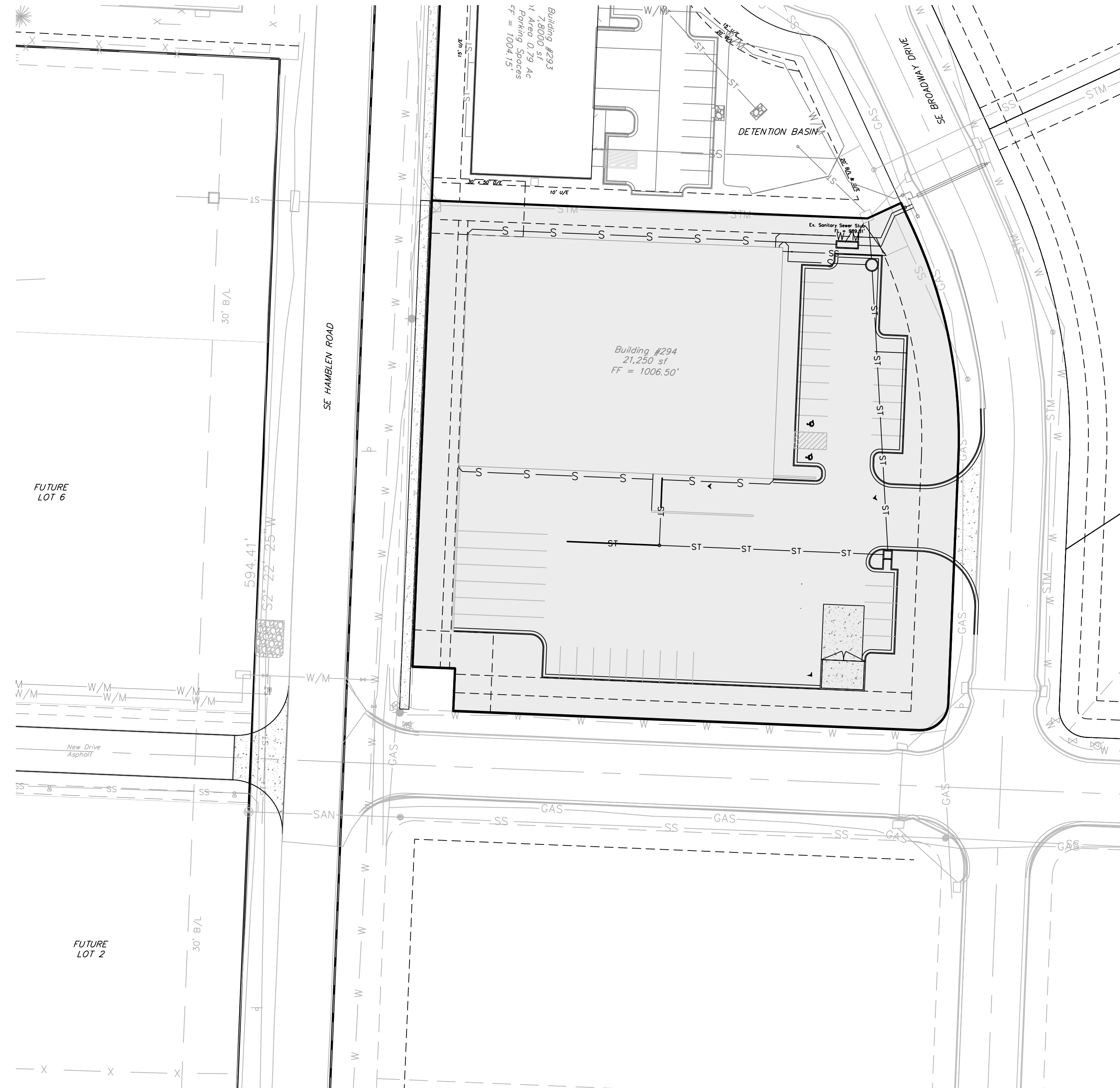
ACCORDING TO EDWARD ALTON MAY JR'S ENVIRONMENTAL IMPACT STUDY OF ABANDONED OIL AND GAS WELLS IN LEE'S SUMMIT, MISSOURI IN 1995, THERE ARE NOT OIL AND GAS WELLS WITHIN 185 FEET OF THE PROPERTY AS SURVEYED HEREON.

FLOOD INFORMATION:

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

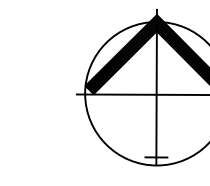
INDEX OF SHEETS:

- 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



Vicinity Map

ALL PAVING ON THE PARKING LOT WILL COMPLY WITH THE UNITED 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.

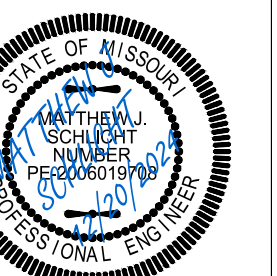


Professional Registration
Missouri
Engineering 200602188-D
Surveying 200500319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

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

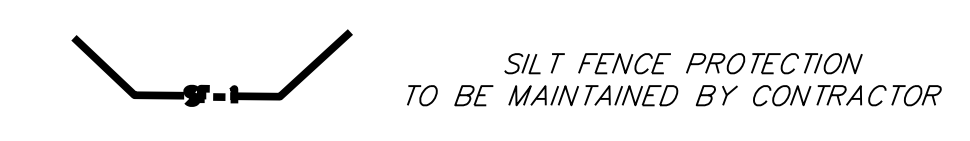
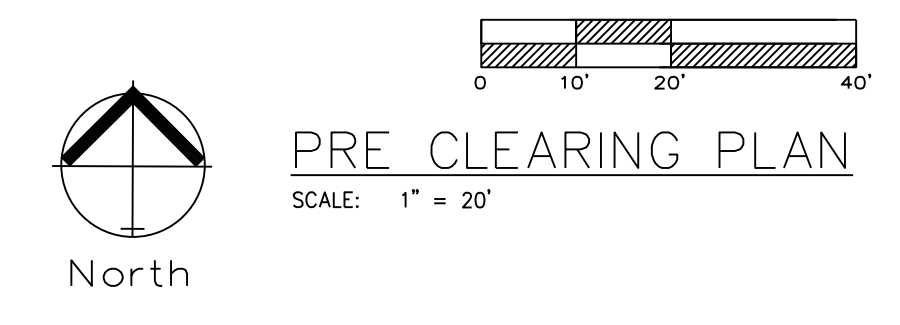
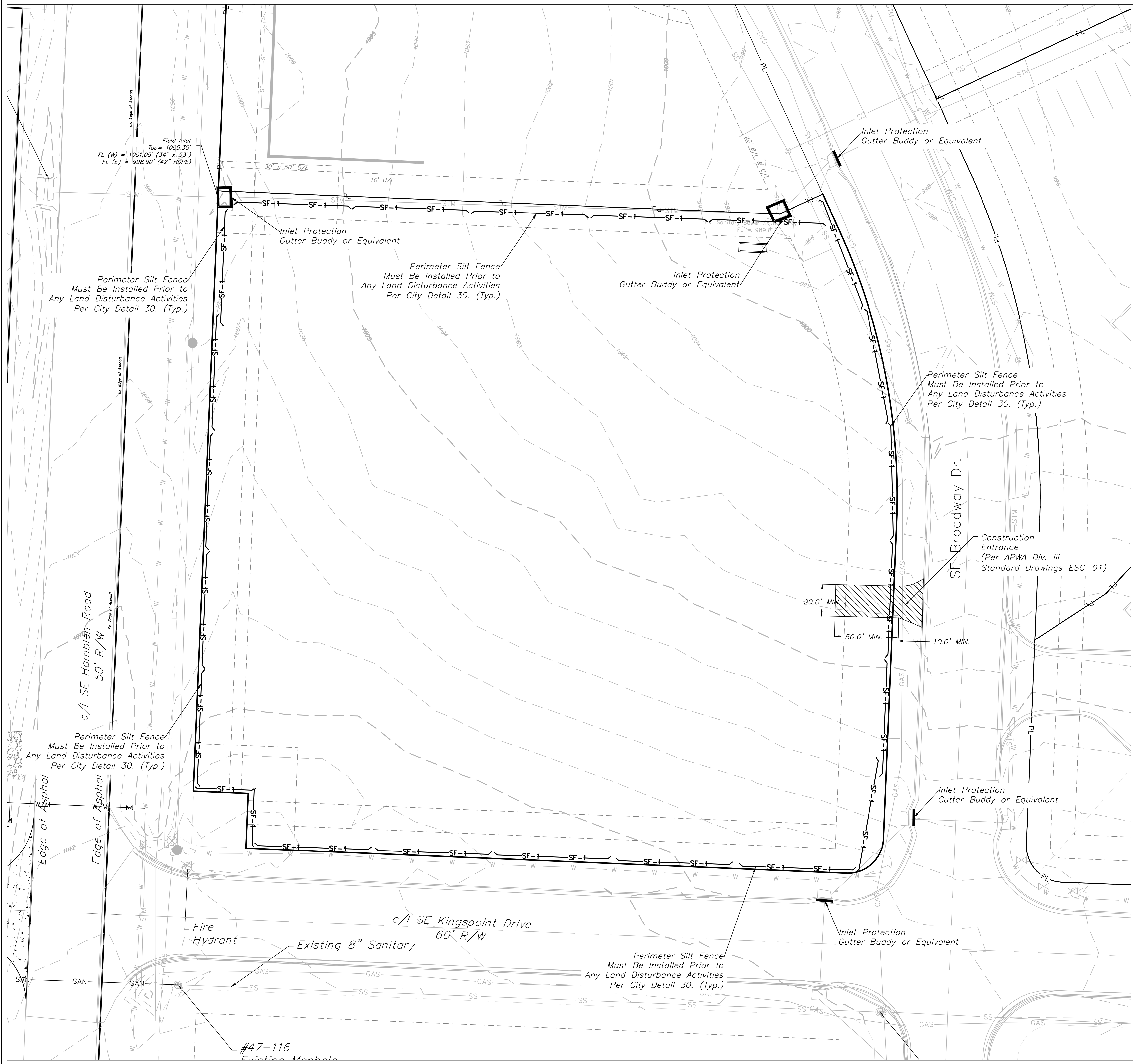
Project:
NEWBERRY
LANDING, LSMO
Issue Date:
January 4, 2024

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



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.
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 SEEDDED 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 SEEDS 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 RESEEDDED.
 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 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.

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
- 3.) INSTALL SEDIMENT TRAPS PER PLAN AND PER DETAIL

EROSION CONTROL PROCEDURE:

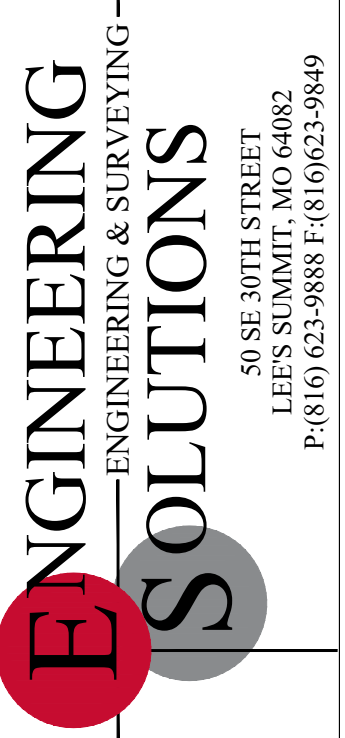
- 1.) SILT FENCE AND TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE PERIMETER OF THE GRADED AREAS PRIOR TO BEGINNING OF CLEARING OR DEMOLITION OPERATIONS. THE CONTRACTOR SHALL INSTALL SILT FENCE AS SHOWN ON PLANS AS GRADING PROGRESSES.
- 2.) SEDIMENT TRAPS SHALL BE CLEANED AND MAINTAINED THROUGHOUT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

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 EXCEEDS 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

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.

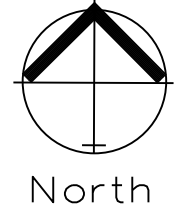
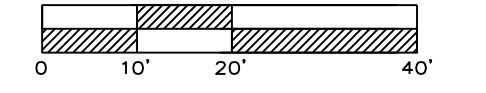
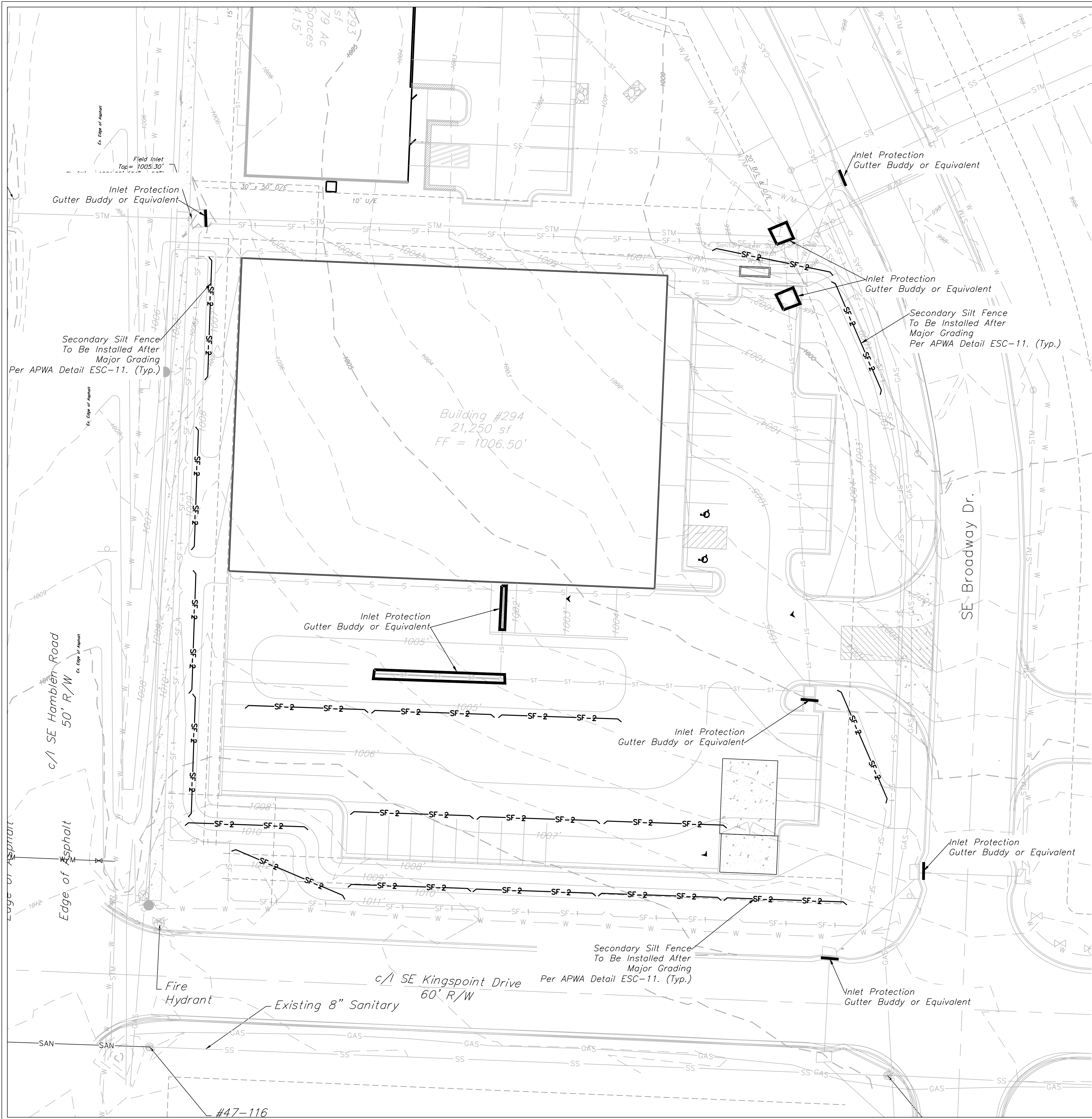


Professional Registration
 Missouri
 Engineering 200502188-D
 Surveying 200503019-D
 Kansas
 Engineering E-1895
 Surveying LS-218
 Oklahoma
 Engineering 6254
 Nebraska
 Engineering CA2821

Project: Newberry Landings, LSMO
 Issue Date: January 4, 2024
 Construction Plans for:
 Lot 294, Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri

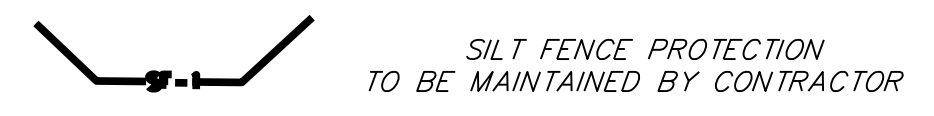
ESC PHASE 1 PLAN
 Construction Plans for:
 Lot 294, Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri

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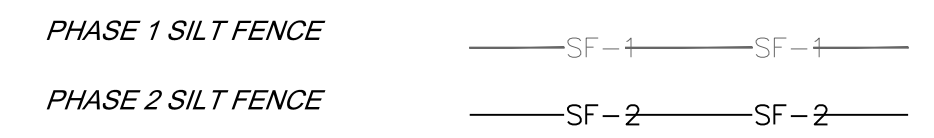


INACTIVE AREA STABILIZATION PLAN

SCALE: 1" = 20'



LEGEND



MAINTENANCE:

TO MAINTAIN THE EROSION AND SEDIMENT CONTROLS, THE FOLLOWING PROCEDURES WILL BE PERFORMED:
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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.

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THE DEVELOPER WILL DESIGNATE A QUALIFIED PERSON OR PERSONS TO PERFORM THE FOLLOWING INSPECTIONS:

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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.

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.



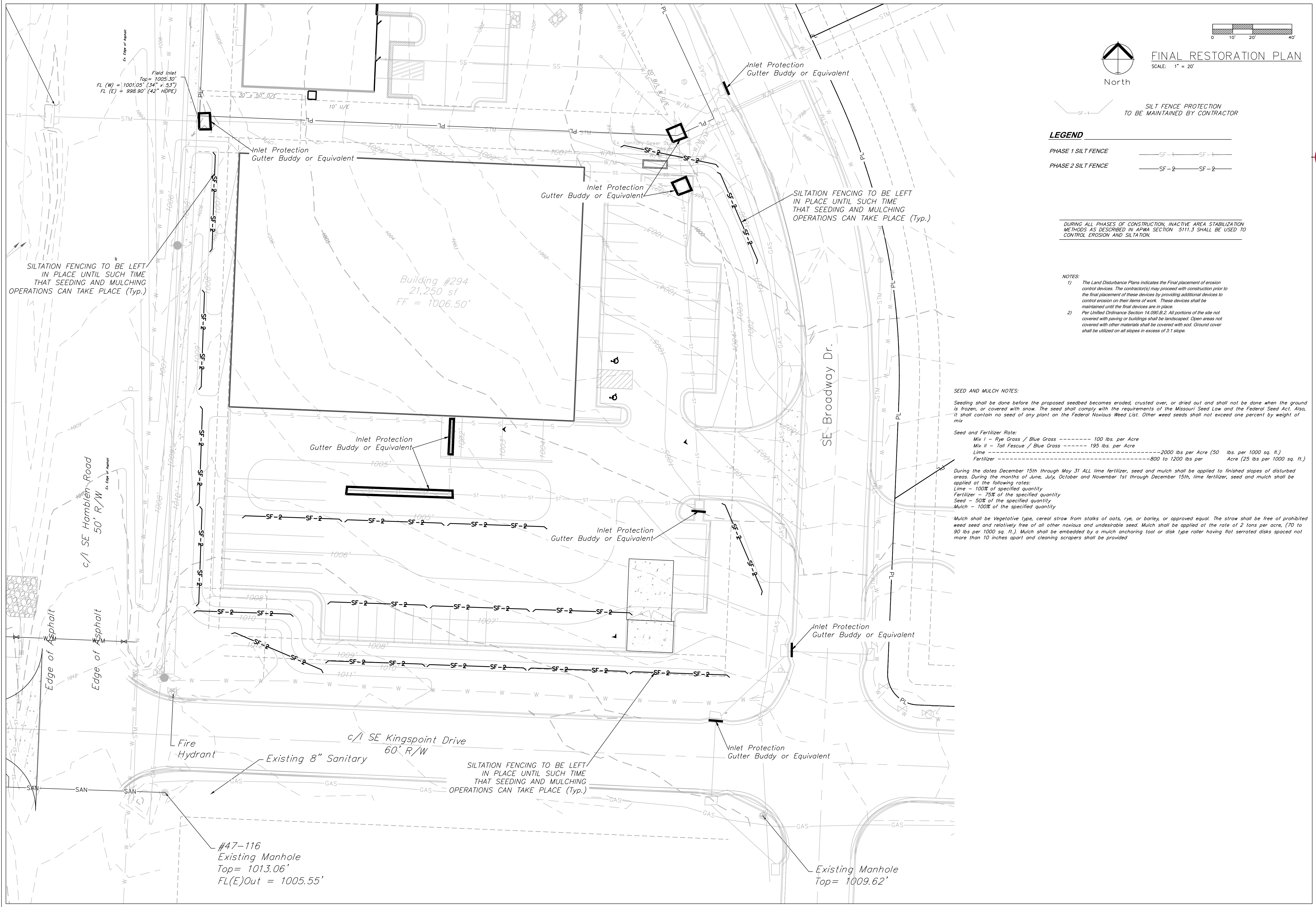
ENGINEERING SOLUTIONS
 ENGINEERING & SURVEYING
 50 SE 30TH STREET
 LEE'S SUMMIT, MO 64082
 P: (816) 623-9888 F: (816) 623-9849

Professional Registration
 Missouri
 Engineering 200602188-D
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FINAL RESTORATION PLAN

SCALE: 1" = 20'

LEGEND

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

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

- 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 sod. 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 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.



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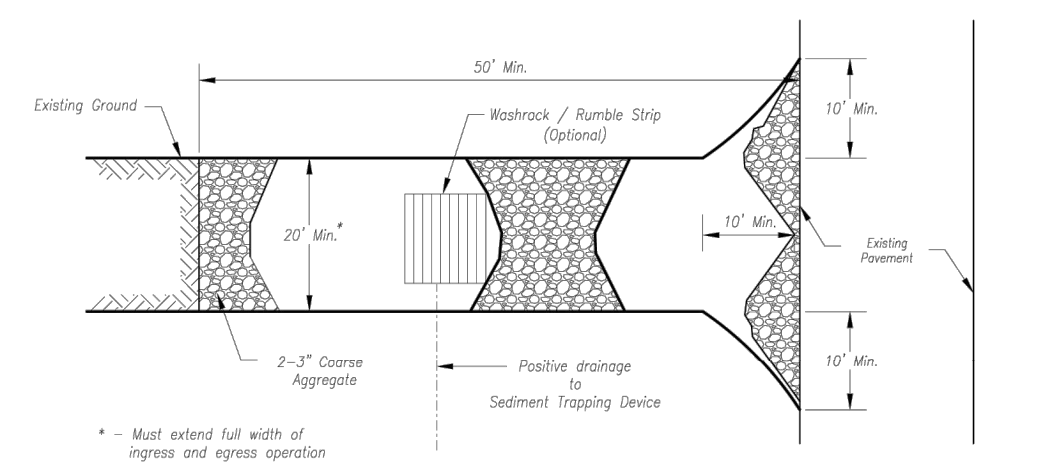
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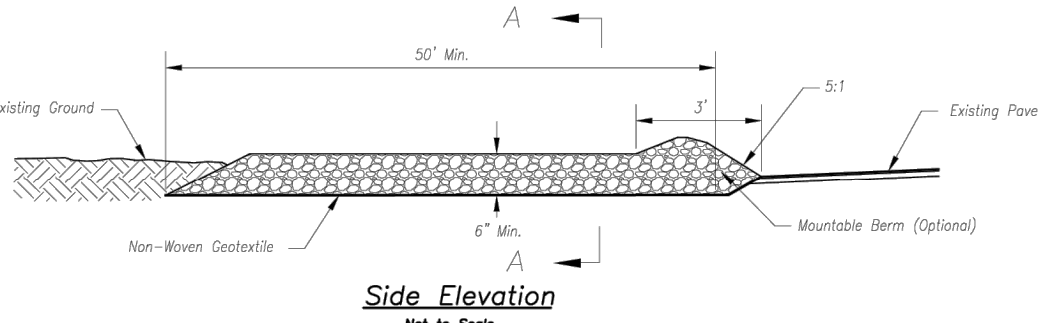
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 KS PE 19071
 OK PE 25226

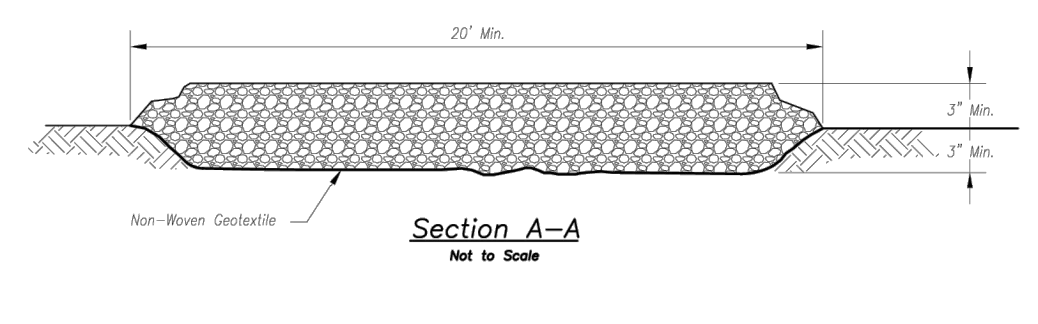
REVISIONS
 12-09-2024
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Plan View
Not to Scale



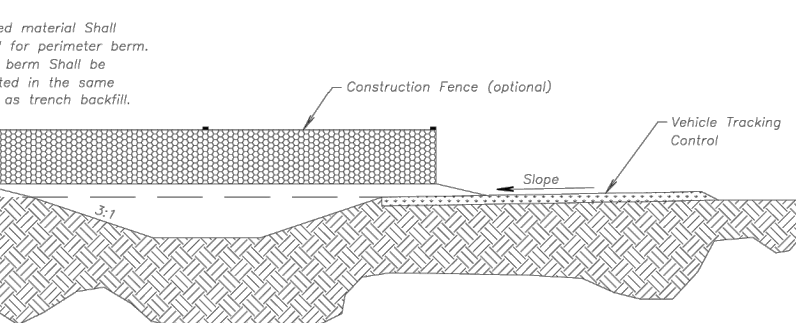
Side Elevation
Not to Scale



Section A-A
Not to Scale

- Notes for Concrete Washout:**
- Concrete washout areas shall be installed prior to any concrete placement of site.
 - Concrete washout areas shall include a filter subsurface pit sized relative to the amount of concrete to be placed on site. The slope leading out of the subsurface pit shall be 2:1. The entire trapping post shall be sloped towards the concrete washout area.
 - Spill recovery control is required at the access point to all concrete washout areas.
 - 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 truck and paving rigs.
 - 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:**
- Concrete washout materials shall be removed once the materials have filled the washout to approximately 75% full.
 - Concrete washout areas shall be enticed as necessary to maintain capacity for washed concrete.
 - Concrete washout areas shall be cleaned of all other debris in the subsurface pit and be transported from the job site in a well-sealed container and disposed of properly.
 - Concrete washout areas shall remain in place until all concrete for the project is placed.
 - 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

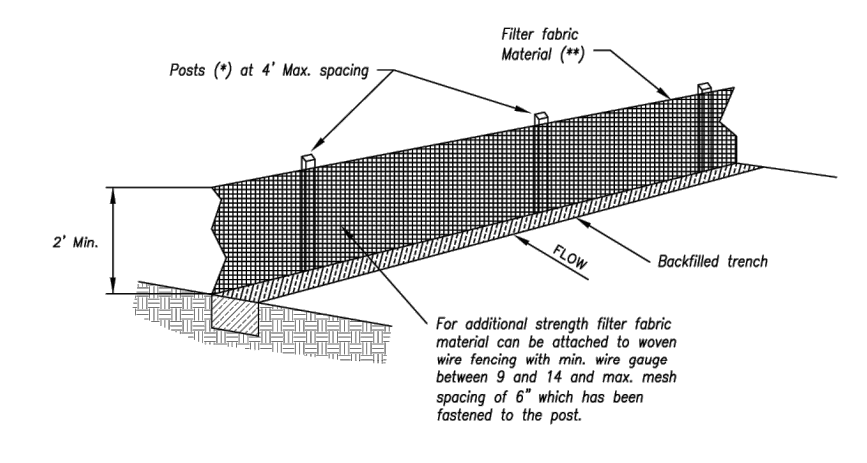
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APWA
 KANSAS CITY METRO CHAPTER
 STANDARD DRAWING NUMBER ESC-01
 ADOPTED: 10/24/2016

- Notes for Construction Entrances:**
- Avoid locating on steep slopes, or curves on public roads, or downhill of disturbed area.
 - Remove all vegetation and other unsuitable material from the foundation area, grade, and crown for positive drainage.
 - If slope towards the public road exceeds 2%, construct a 6- to 8-inch high ridge with 3/4\"/>

- Maintenance for Construction Entrances:**
- Reshape entrance as needed to maintain function and integrity of installation. Top dress with clean aggregate as needed.

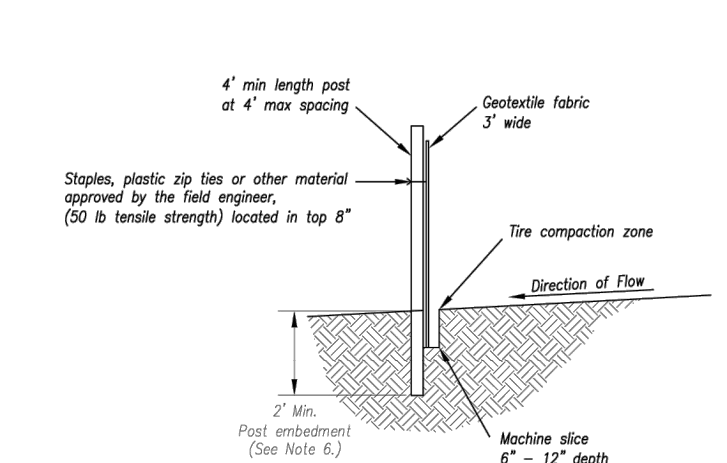
CONSTRUCTION ENTRANCE

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.

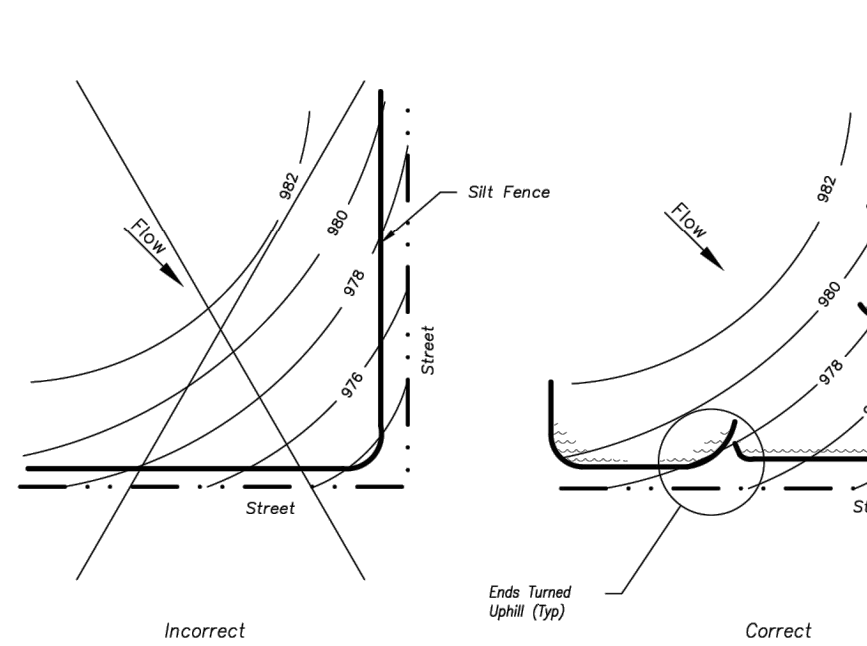


- (*) EGOSIS**
- MIN. LENGTH 4'
 - HARDWOOD 1 1/2" x 1 1/2"
 - NO.2 SOUTHERN PINE 2 1/2" x 2 1/2"
 - STEEL 1.33 LB/FT

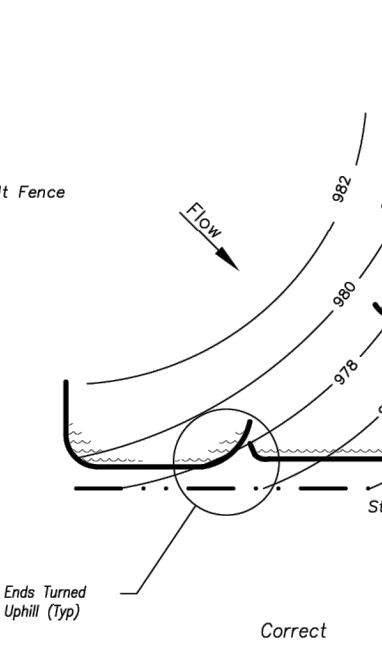
(**) - Geotextile Fabric shall meet the requirements of ASTM D2888



SILT FENCE DETAILS
Not to Scale



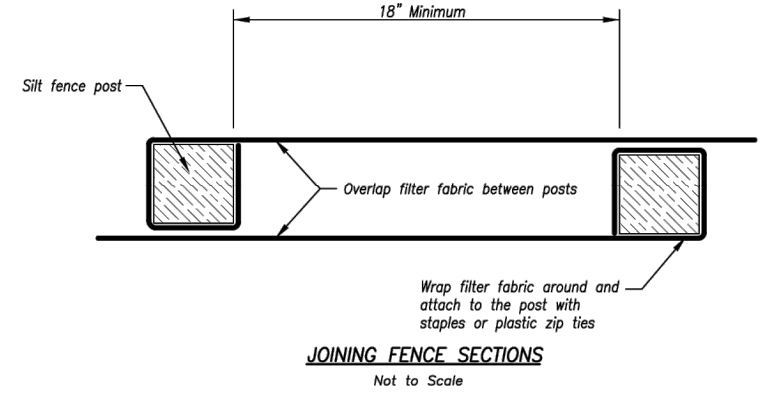
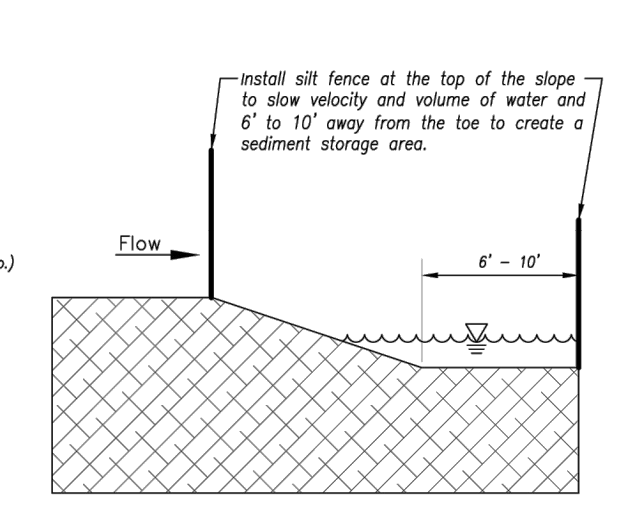
Incorrect



Correct

Figure A

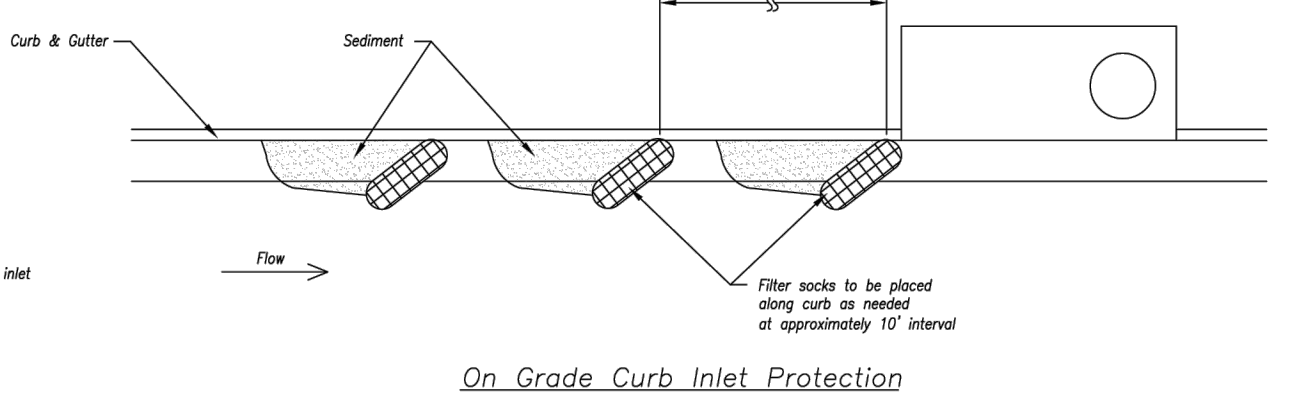
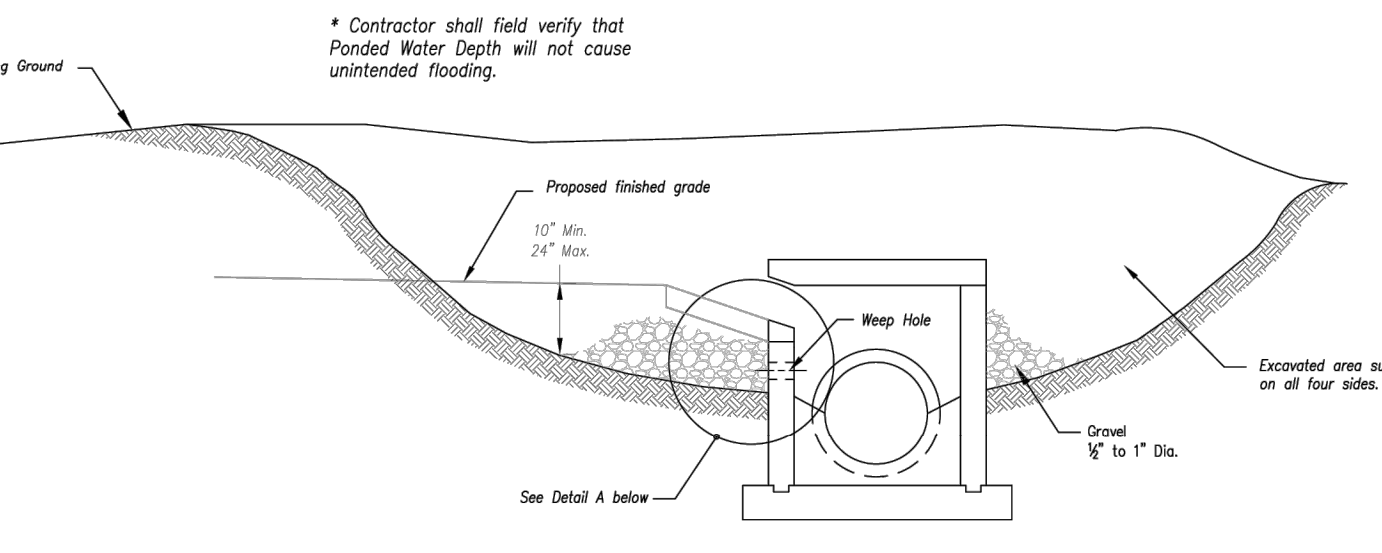
SILT FENCE LAYOUT
Not to Scale



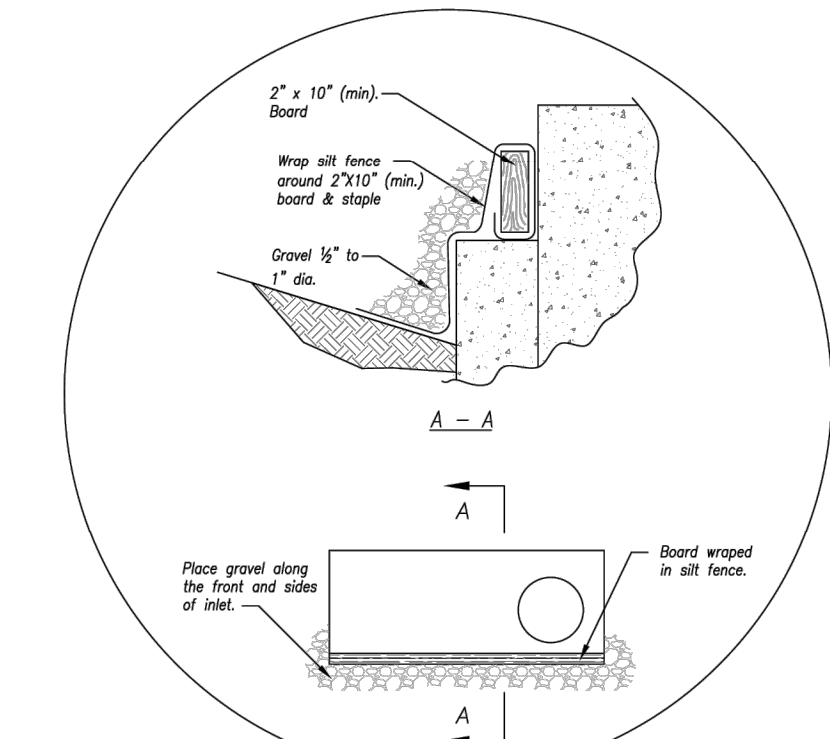
JOINING FENCE SECTIONS
Not to Scale

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



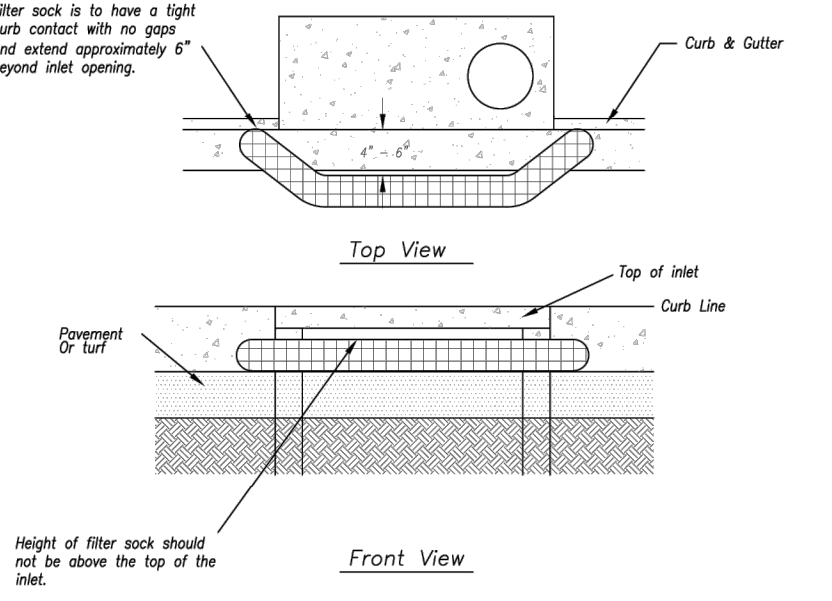
On Grade Curb Inlet Protection



Detail A

- Notes:**
- Immediately following inlet construction and prior to construction of curb and inlet throat, protect inlet opening by installing 2\"/>

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

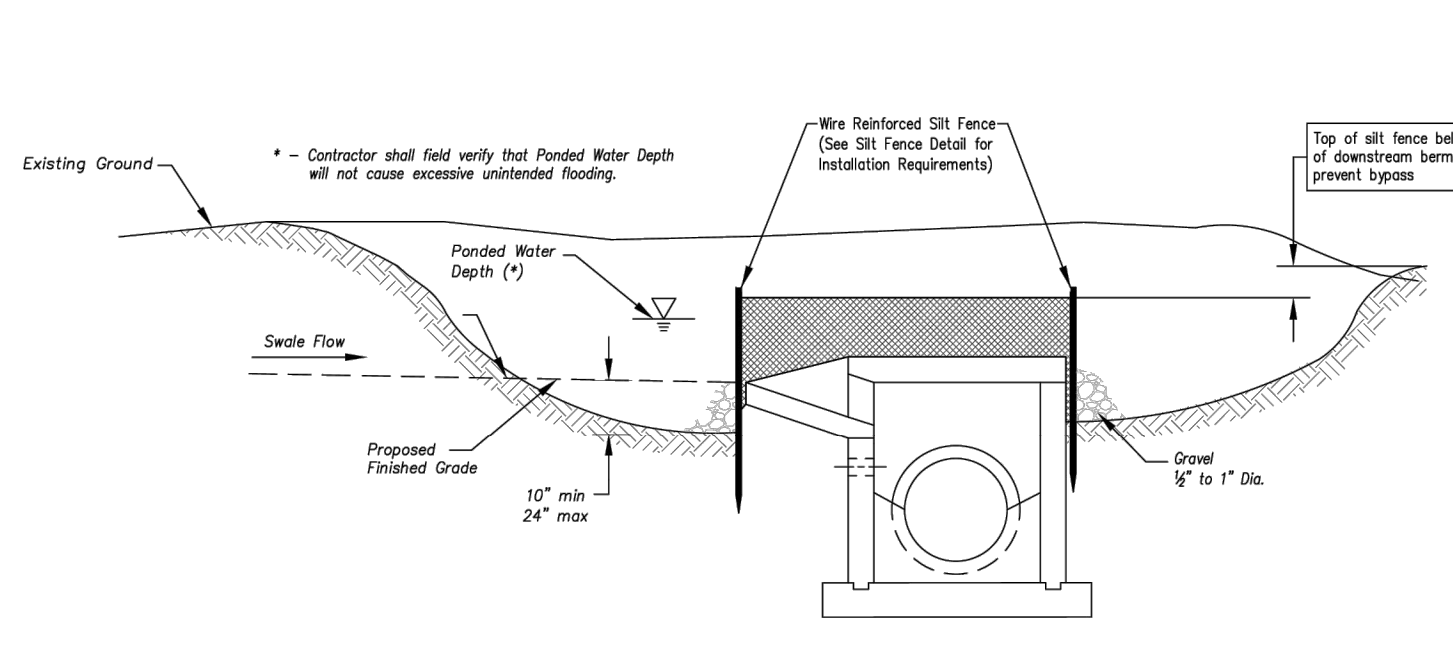


Sump Inlet Sediment Filter

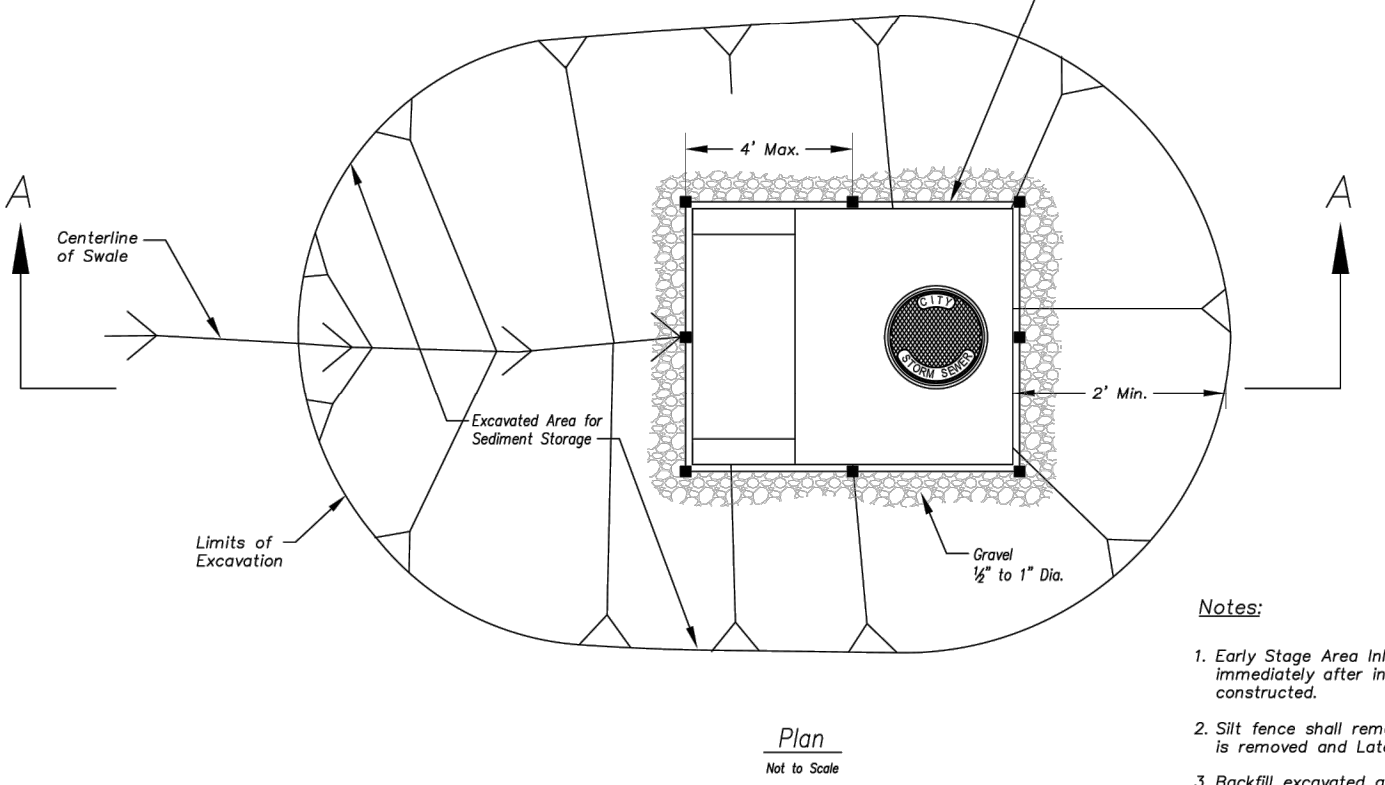
LATE STAGE CURB INLET
(After Pouring Curb and Inlet Throat)

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 KANSAS CITY METRO CHAPTER
 STANDARD DRAWING NUMBER ESC-06
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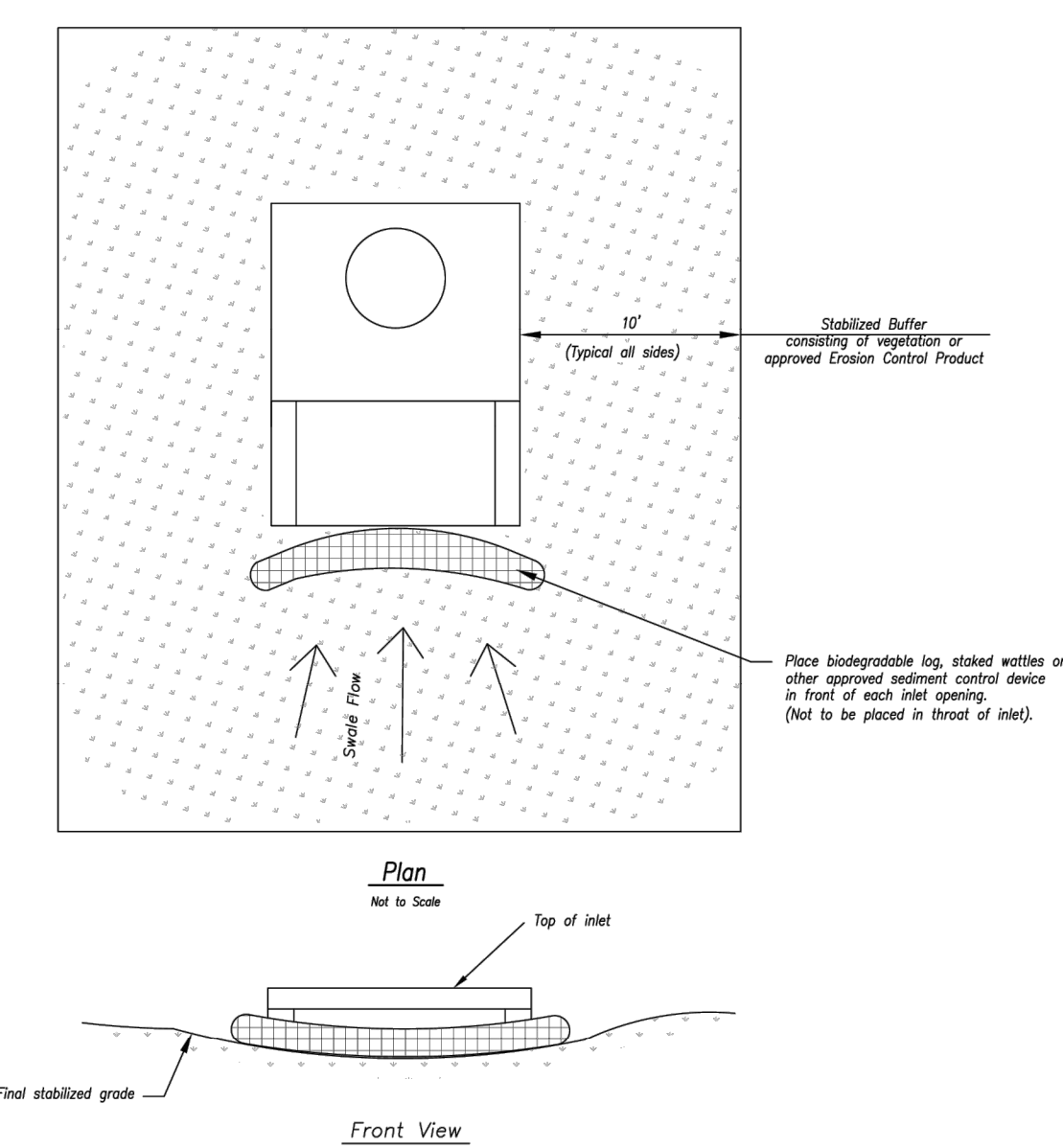
Section A-A
Not to Scale



Plan
Not to Scale

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

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

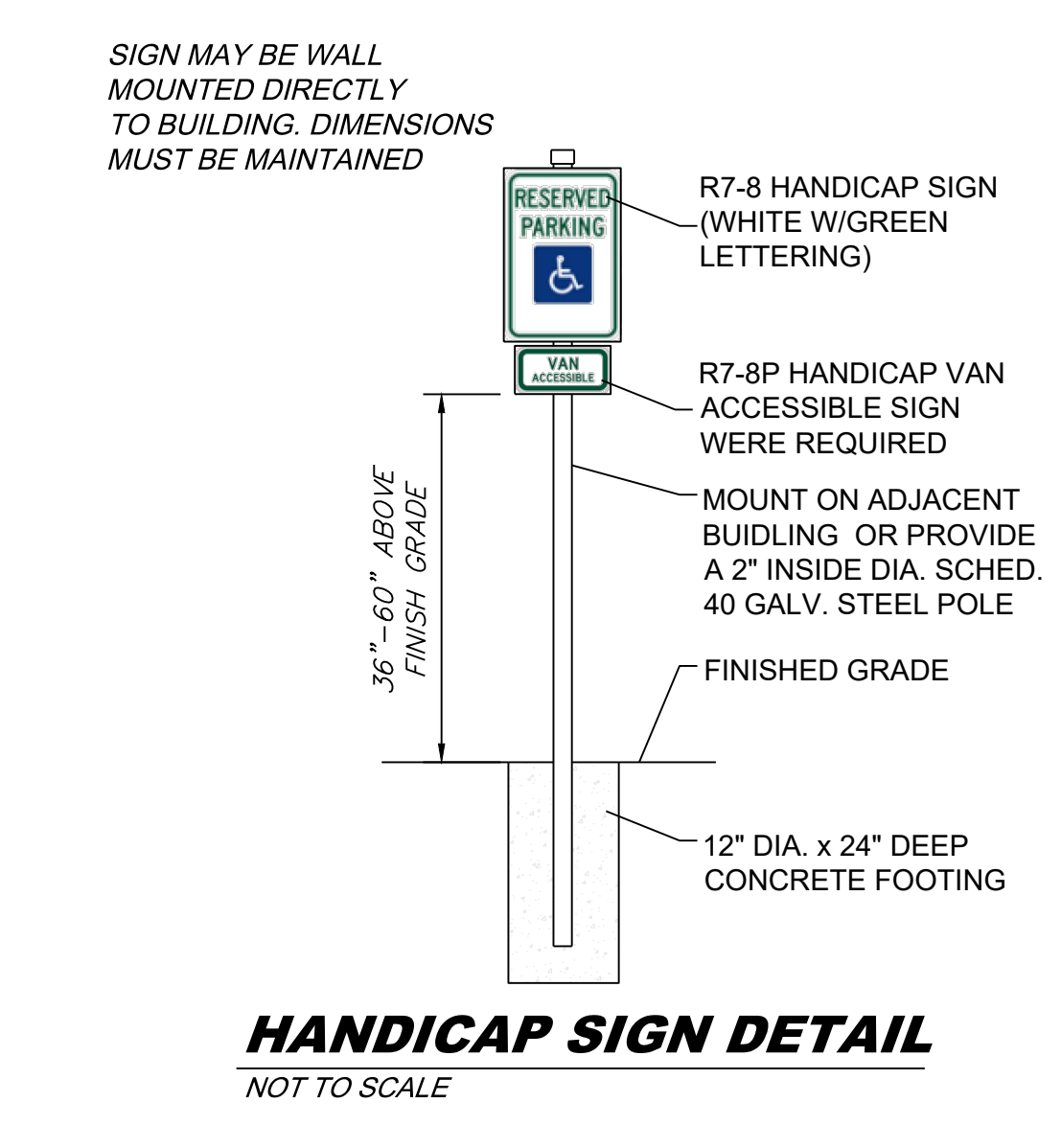
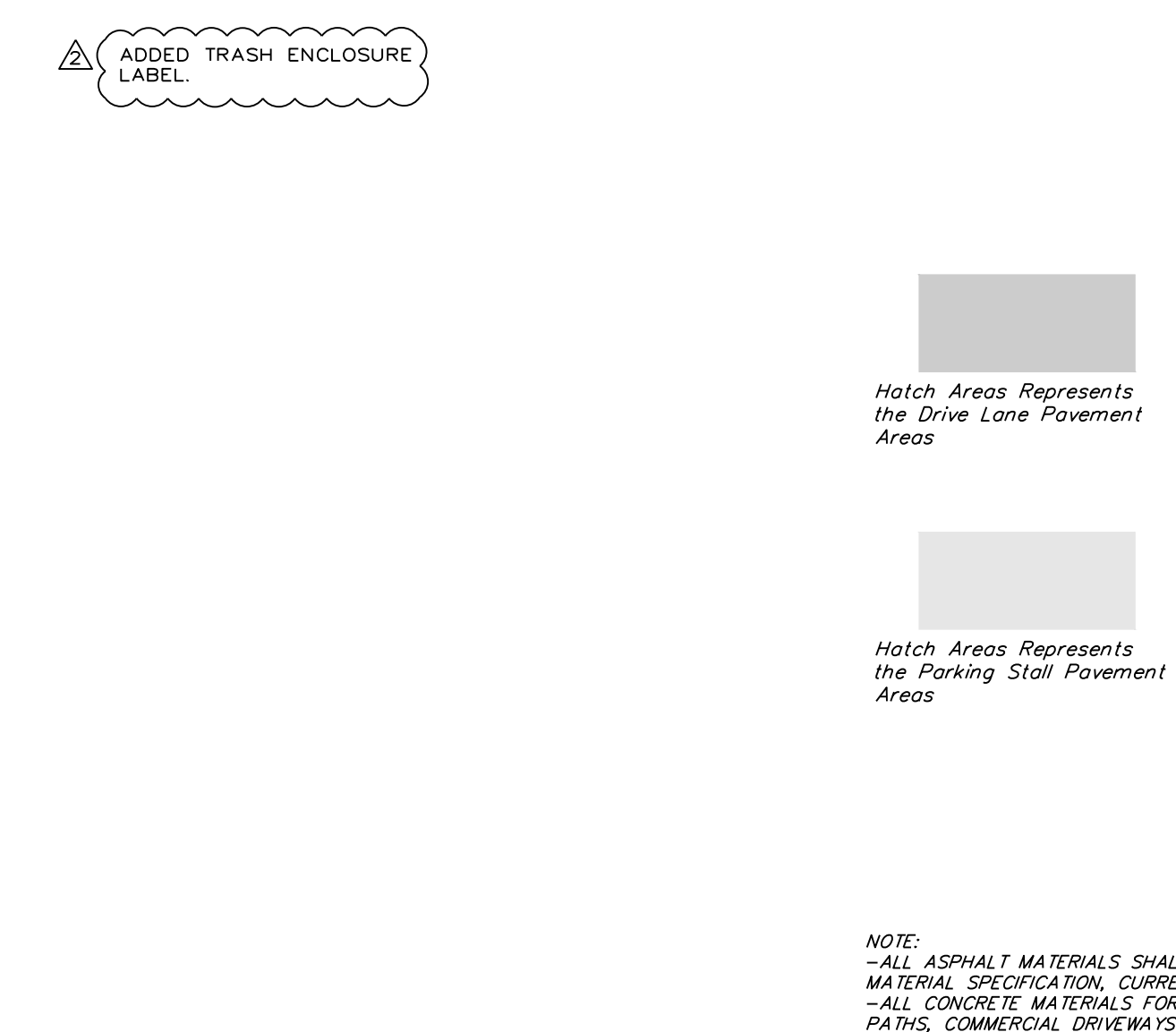
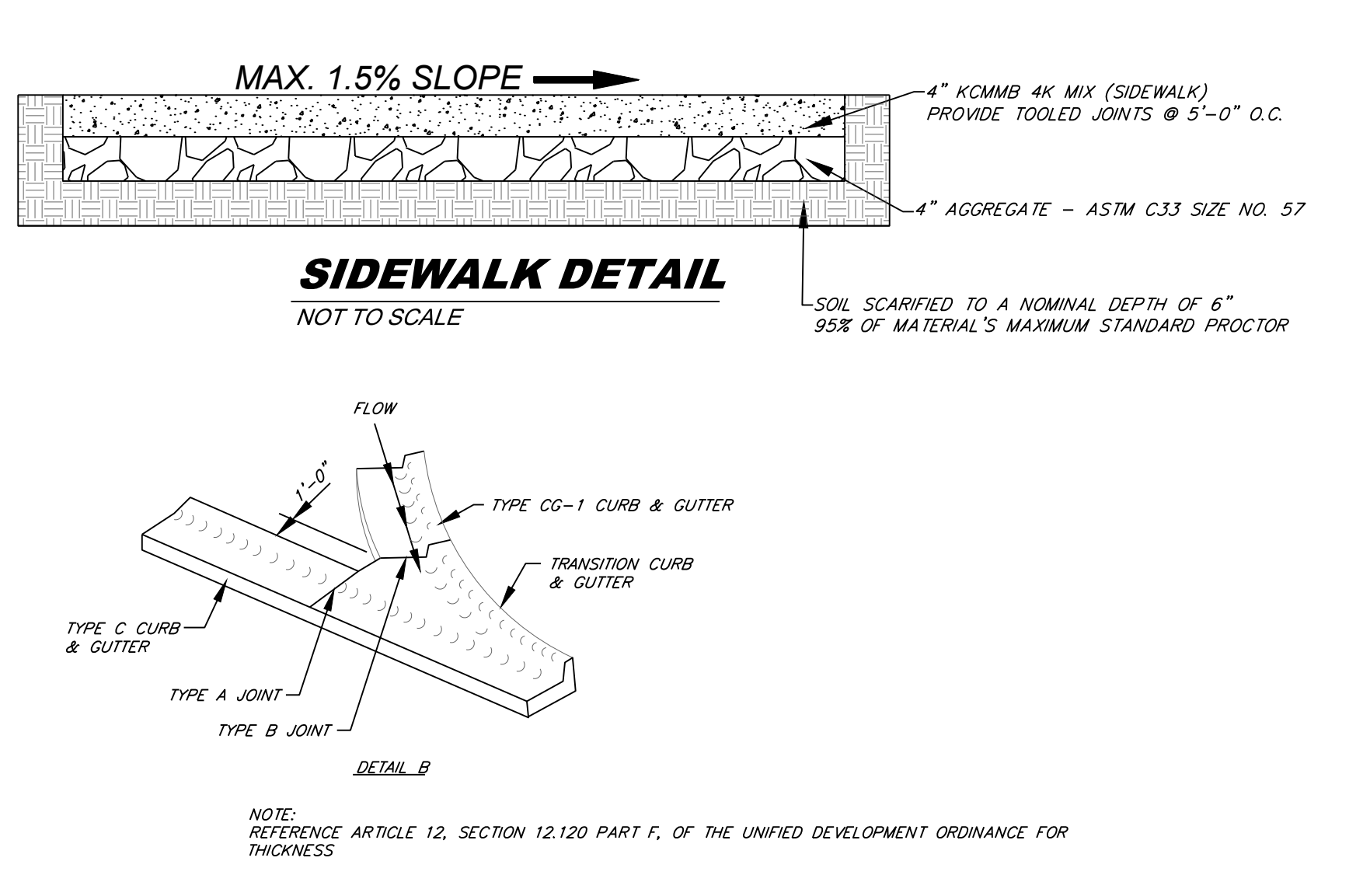
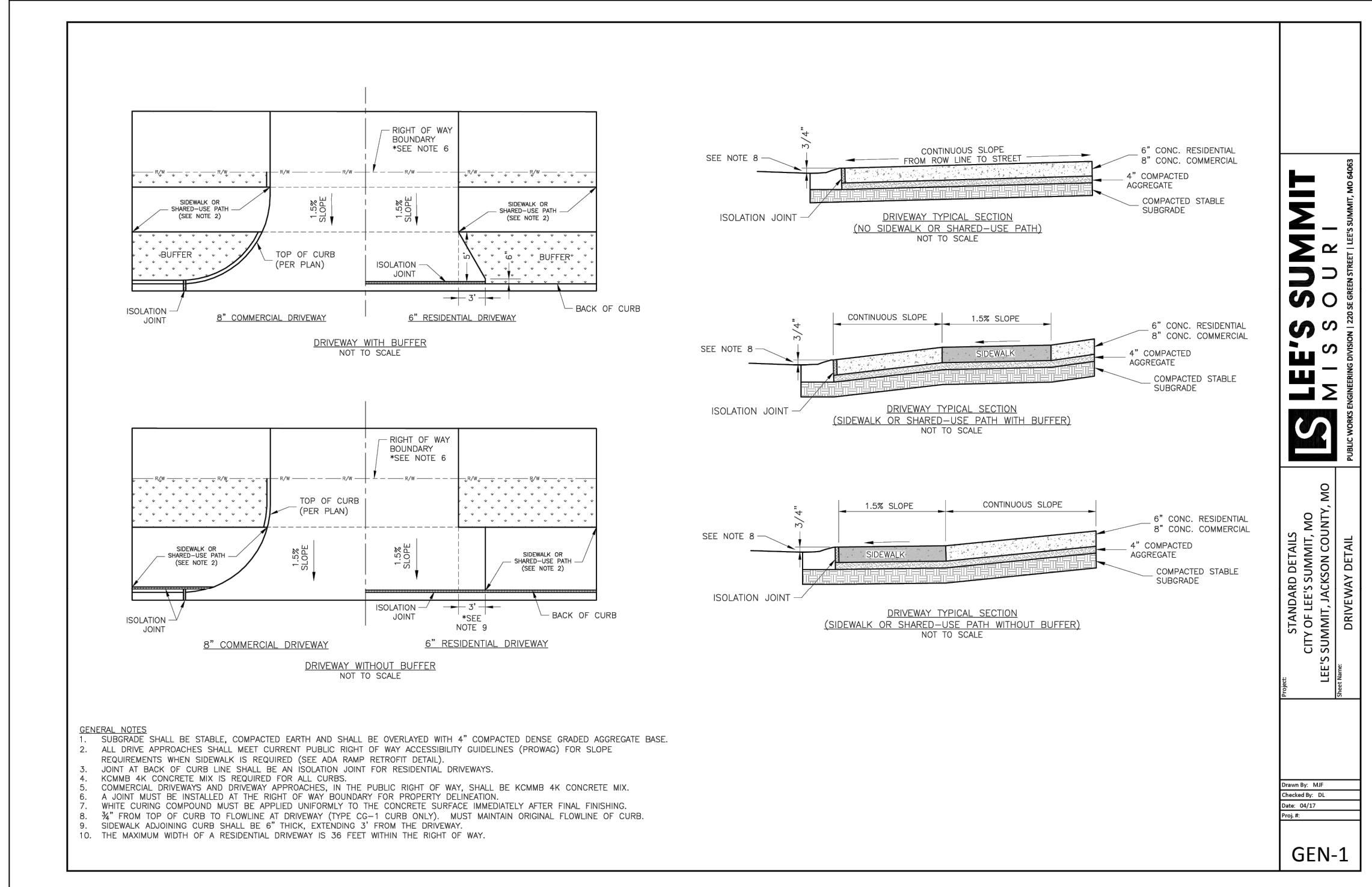
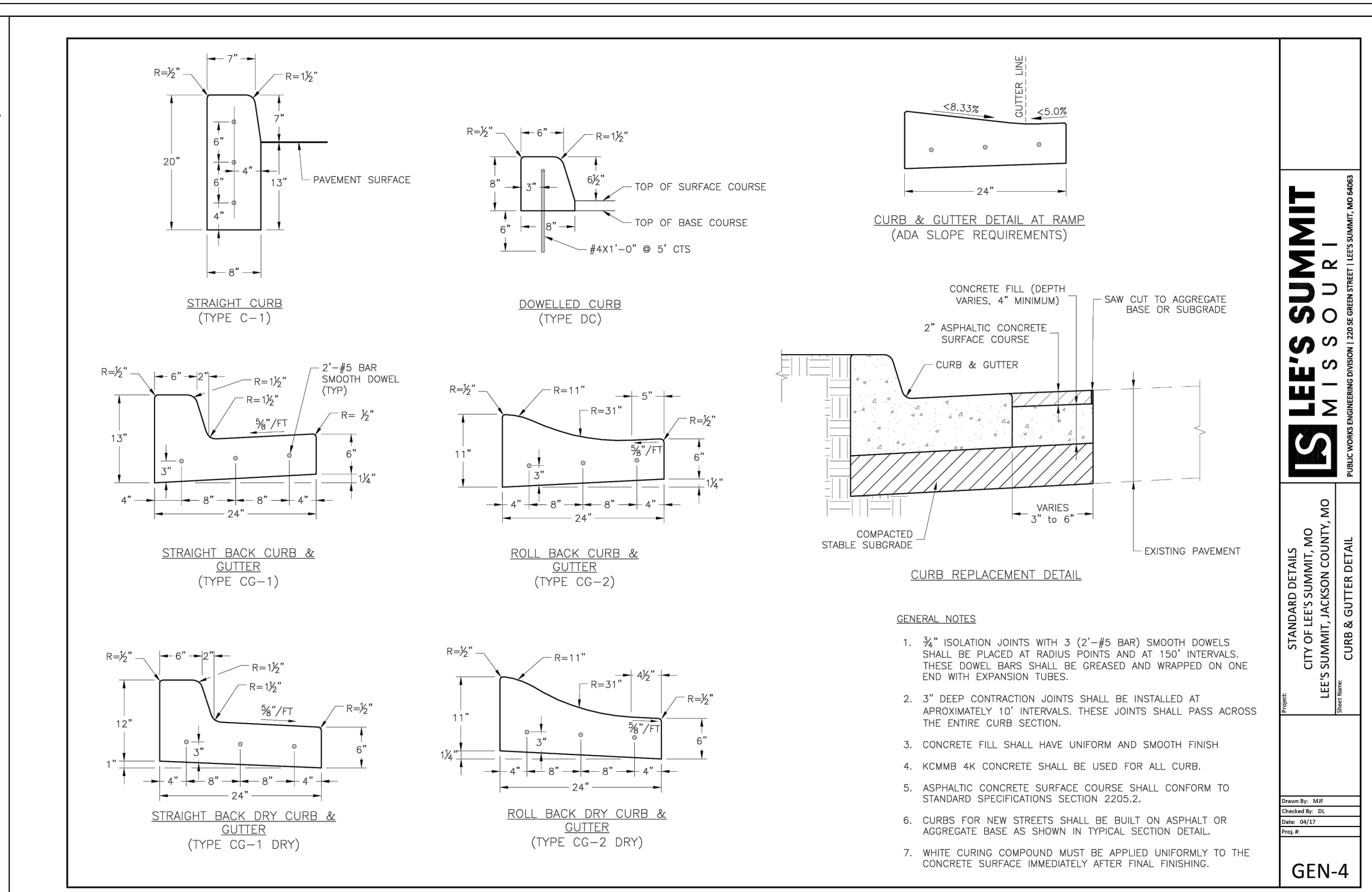
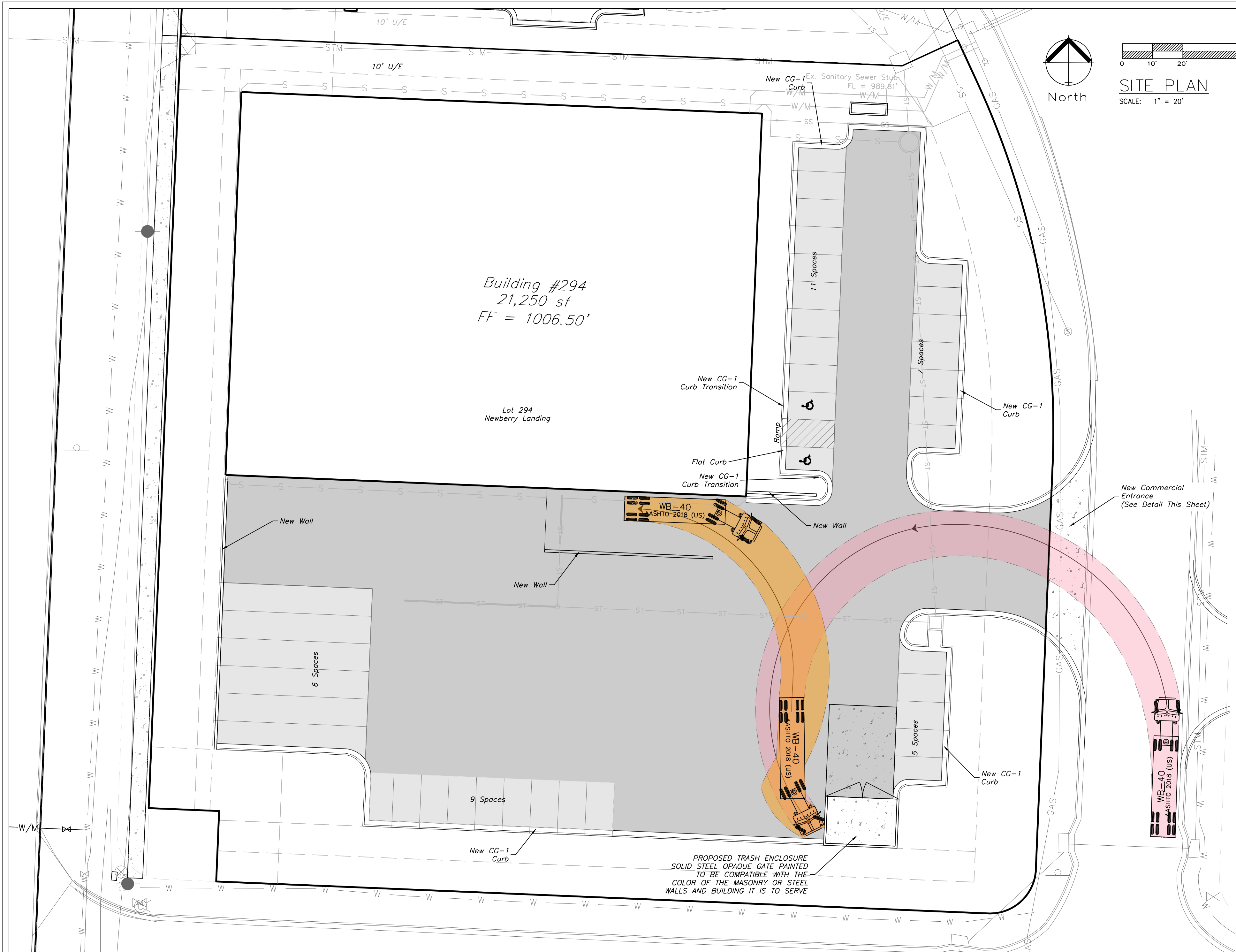


LATE STAGE AREA INLET
(Area inlets at final grade and existing inlets)

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

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



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Surveying 200500318-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

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

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

LEE'S SUMMIT MISSOURI
PUBLIC WORKS DEPARTMENT (2024) (FOR ALL OTHER STREET LIGHTS SUMMIT, MO 64082)

CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO
CURB & GUTTER DETAIL
GEN-4

LEE'S SUMMIT MISSOURI
PUBLIC WORKS DEPARTMENT (2024) (FOR ALL OTHER STREET LIGHTS SUMMIT, MO 64082)

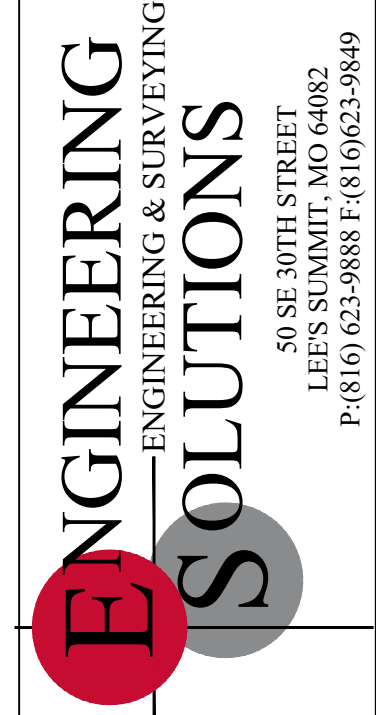
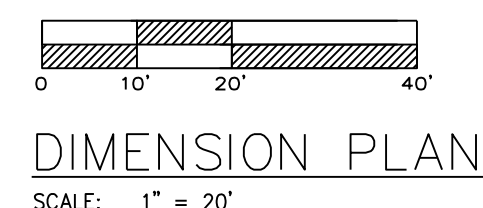
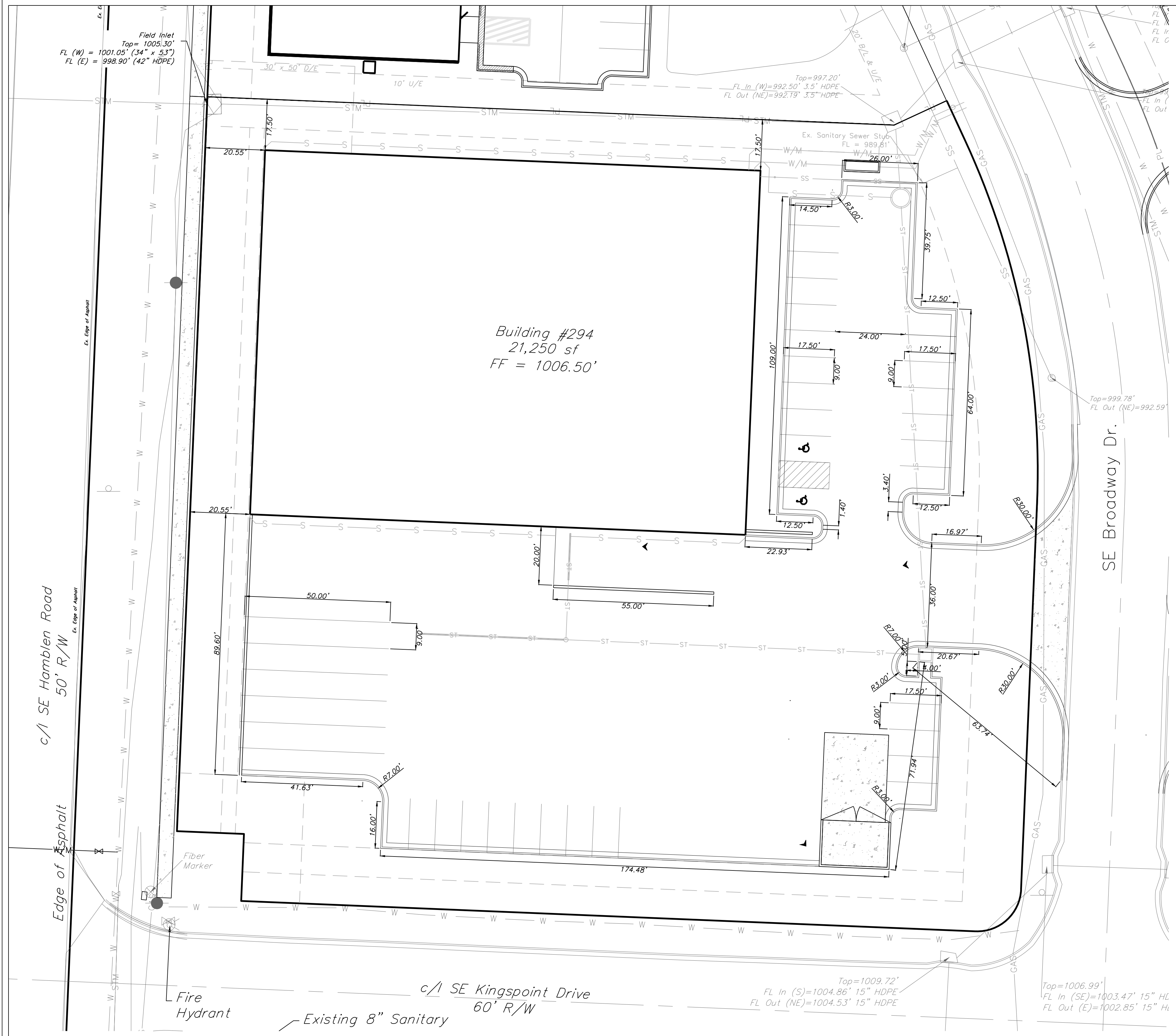
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO
DRIVEWAY DETAIL
GEN-1

ENGINEERING SOLUTIONS
ENGINEERING & SURVEYING
MATTHEW J. SCHLICHT
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI
No. 000000000

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

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C.100

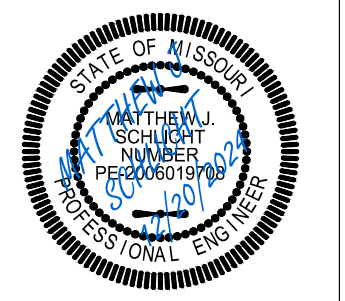


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 Missouri
 Engineering 200502188-D
 Surveying 200500319-D
 Kansas
 Engineering E-1695
 Surveying LS-219
 Oklahoma
 Engineering 6254
 Nebraska
 Engineering CA2821

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

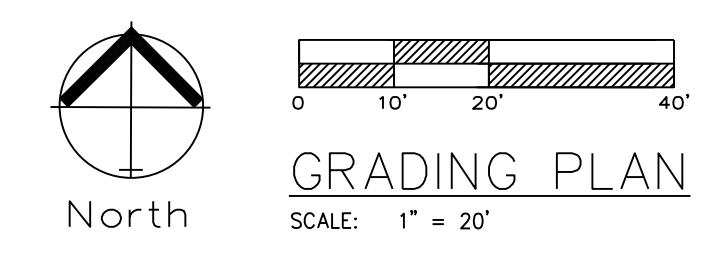
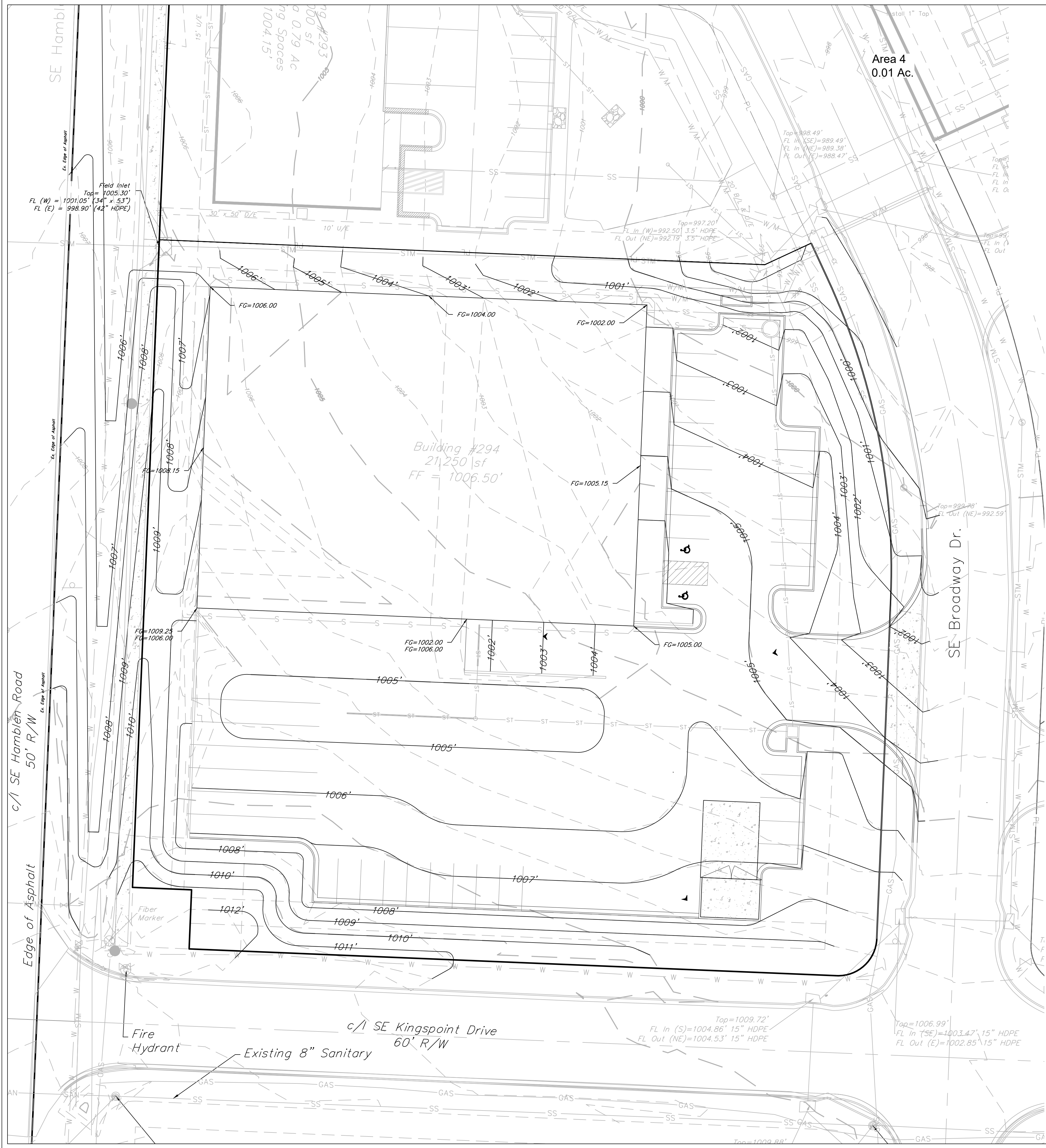
Project:
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DIMENSION PLAN
Construction Plans for:
Lot 294, Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri

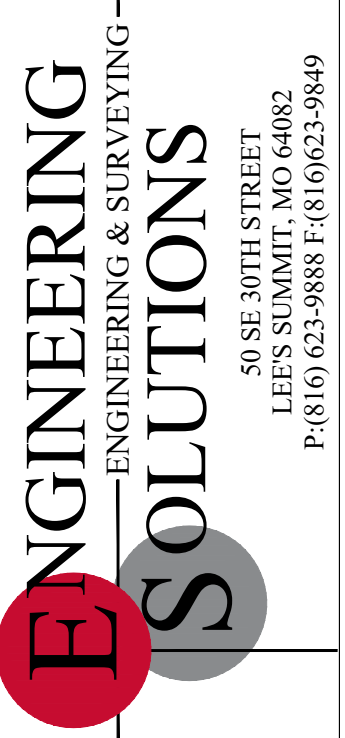


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- Notes**
1. Contractor is responsible for verifying all existing utility locations prior to excavation
 2. There are no known natural or artificial water storage detention areas, or wetlands in the area designated for construction
 3. No part of the 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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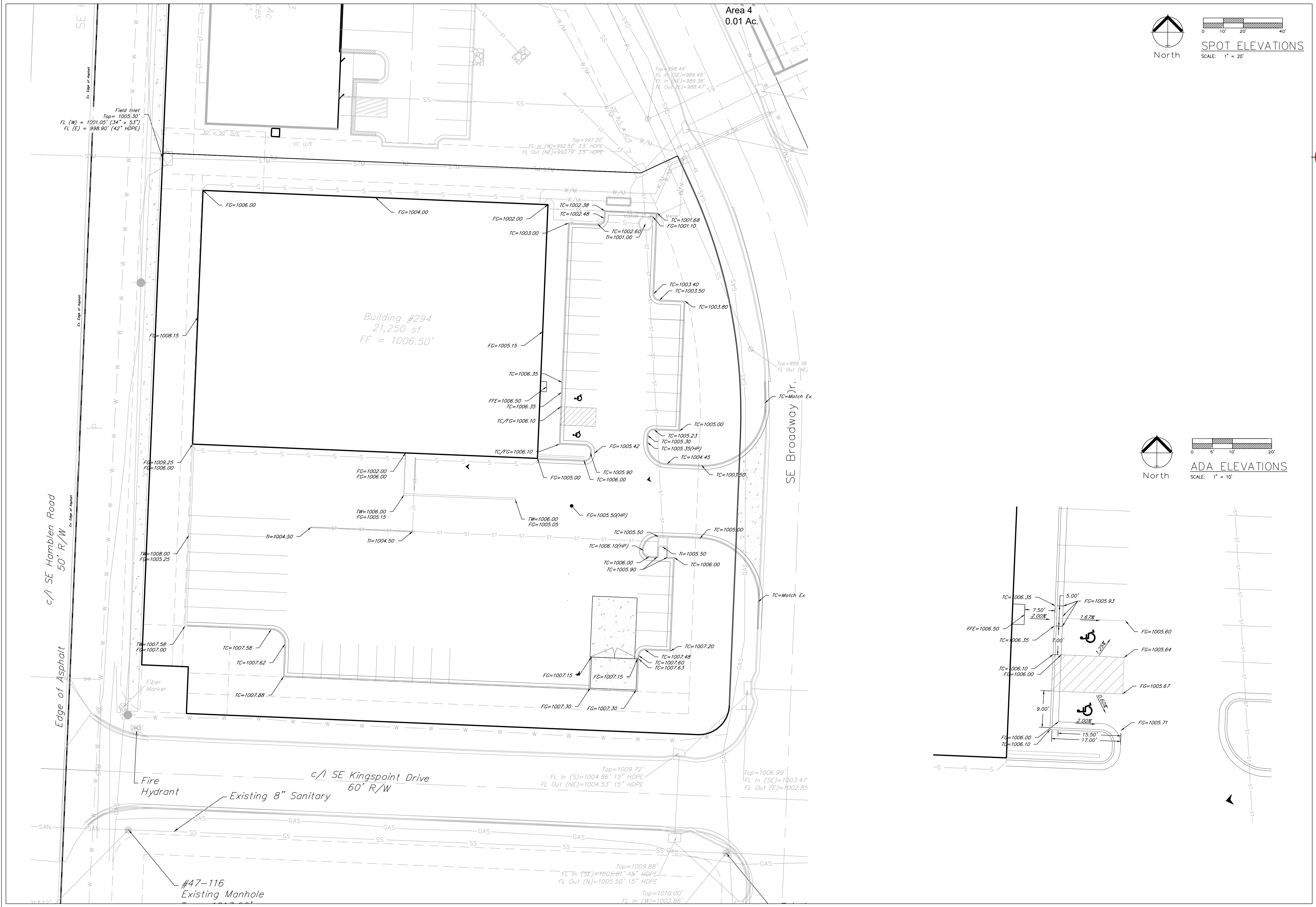
Project:
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Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri

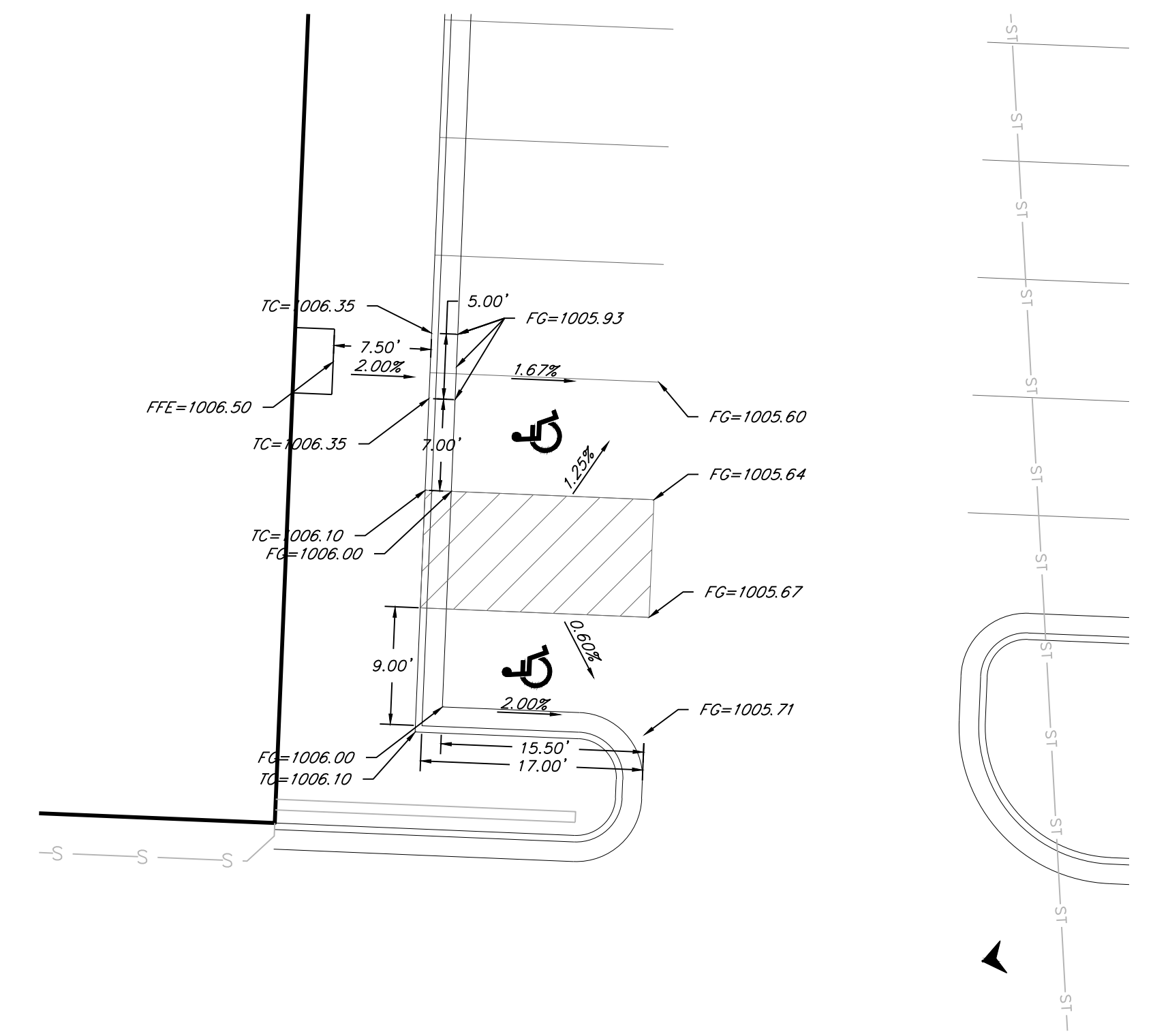
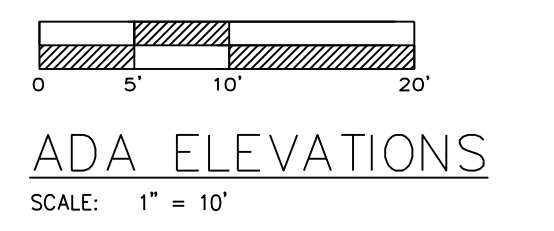
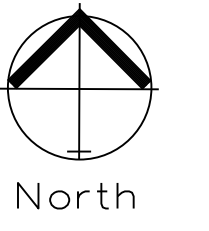
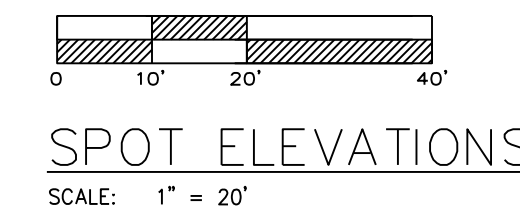
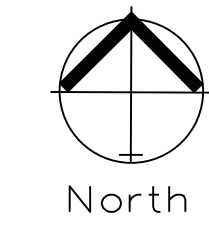
GRADING PLAN
 Construction Plans for:
 Lot 294, Newberry Landings First Plat
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Area 4
0.01 Ac.



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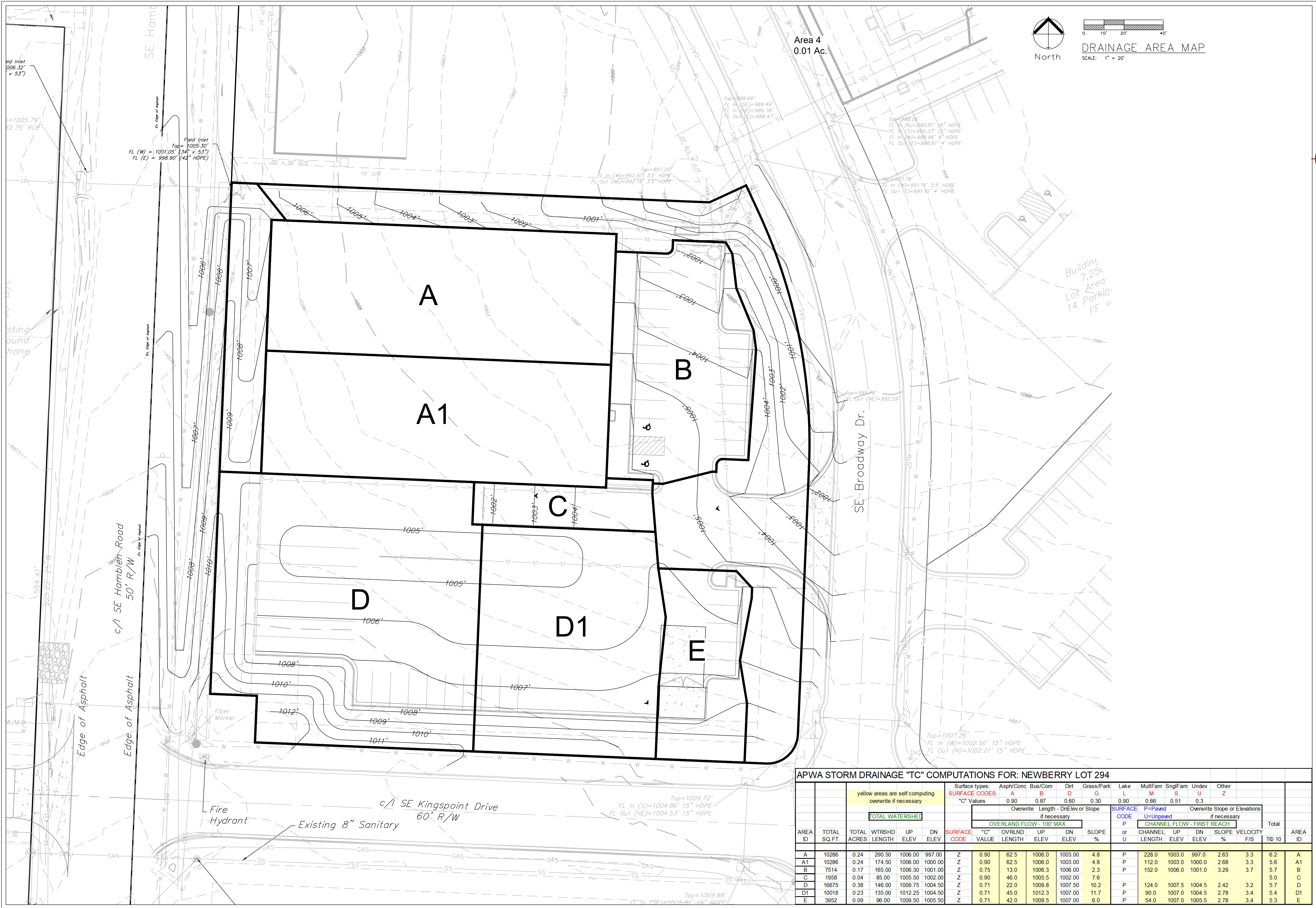
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NEWBERRY LANDING, LSMO
Issue Date:
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SPOT ELEVATIONS
Construction Plans for:
Lot 294, Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

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North
 0 10' 20' 40'
DRAINAGE AREA MAP
 SCALE: 1" = 20'

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	SURFACE CODE			SLOPE VELOCITY F/S	Total T@ 10	AREA ID	
							ASPH	CONC	BUS/COM	DIRT			GRASS/PARK	L	M				S	U	UP	DN	ELEV
A	10286	0.24	290.50	1006.00	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	10286	0.24	174.50	1006.00	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	1006.30	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

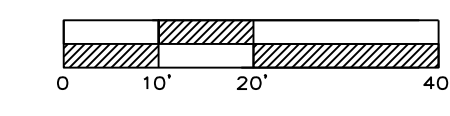
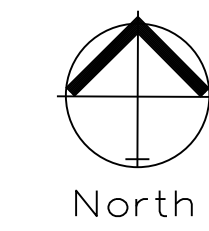
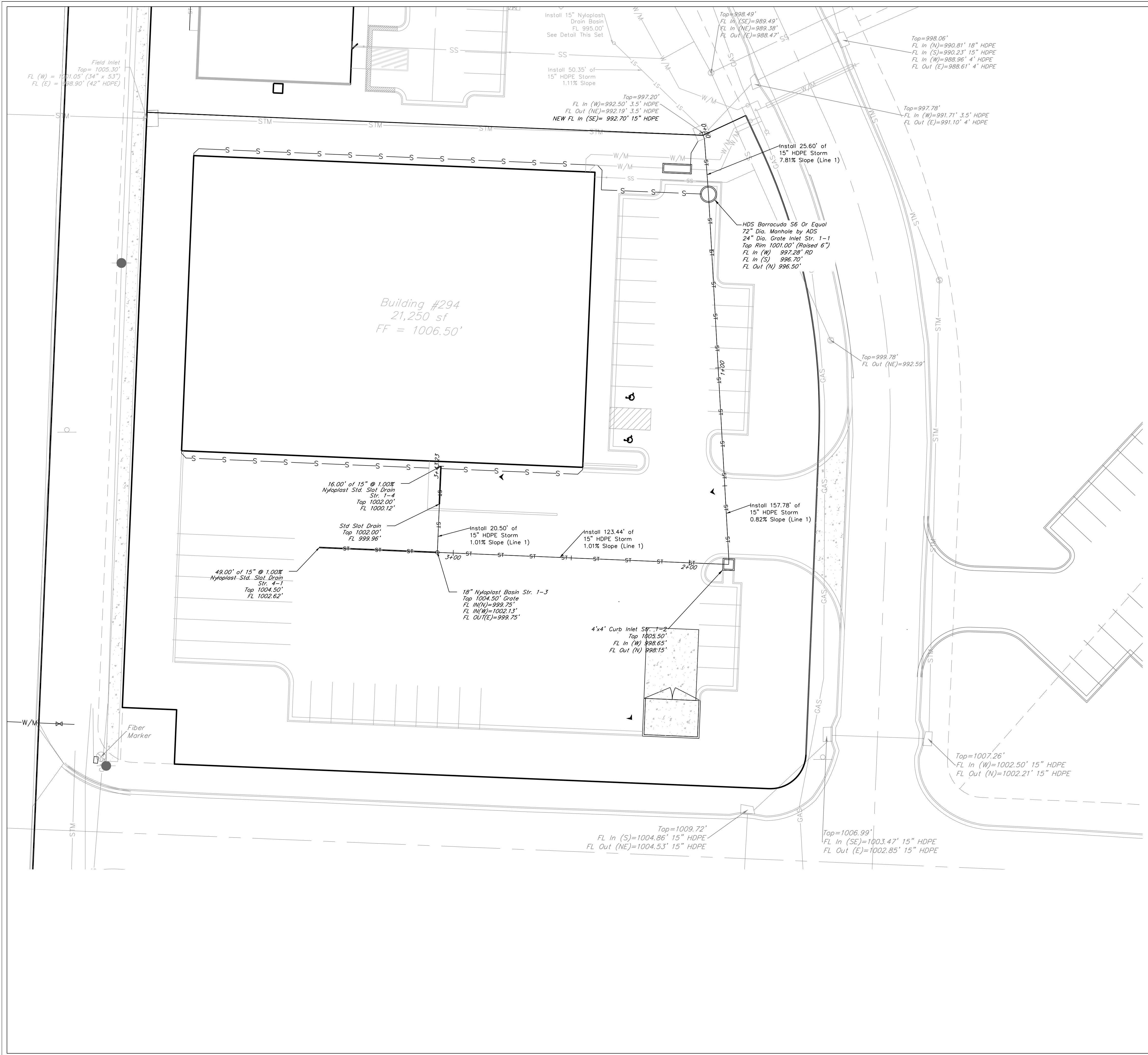


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Project: NEWBERRY LANDINGS, LSMO
 Issue Date: January 4, 2024
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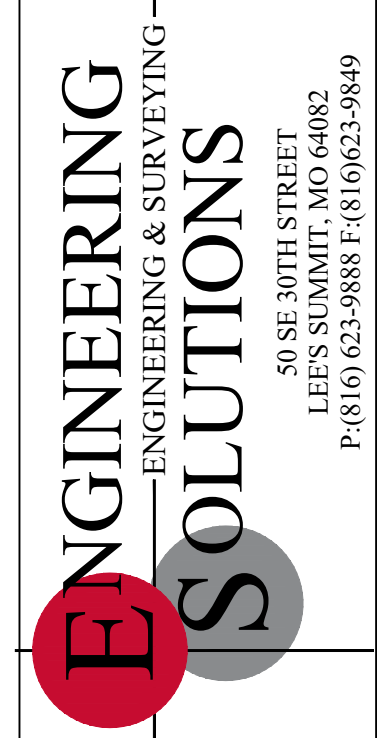
DRAINAGE AREA MAP
 Construction Plans for:
 Lot 294, Newberry Landings First Plat
 Lee's Summit, Jackson County, Missouri

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STORM SEWER PLAN
SCALE: 1" = 20'

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

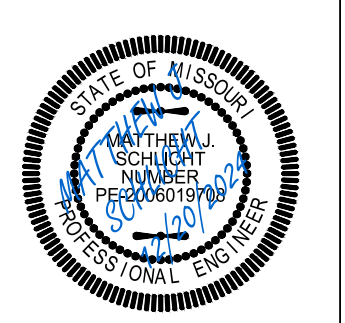


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Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

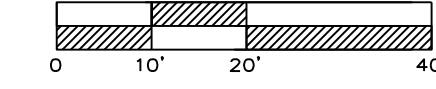
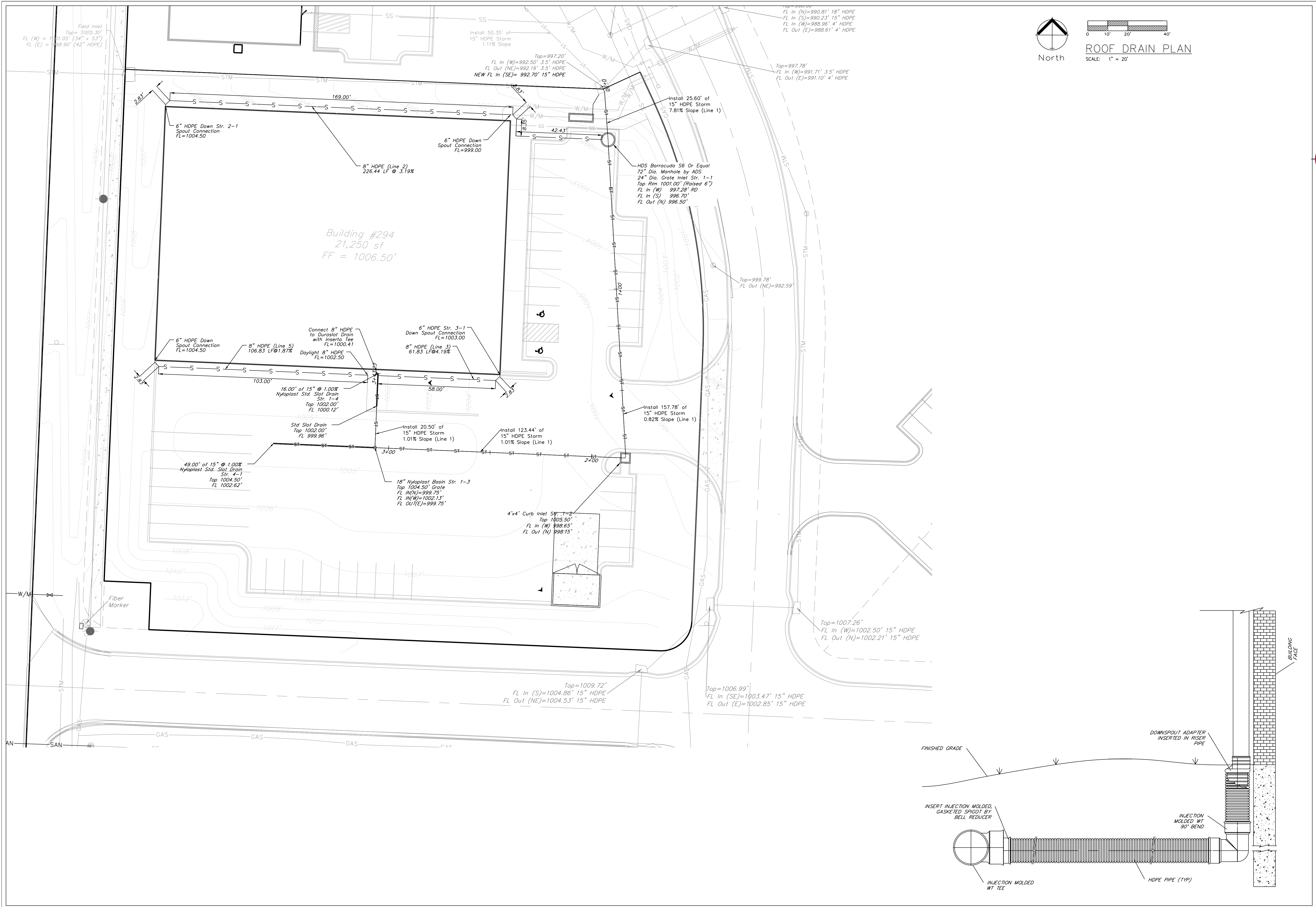
Project:
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ROOF DRAIN PLAN
Construction Plans for:
Lot 294, Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri



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ROOF DRAIN PLAN
SCALE: 1" = 20'

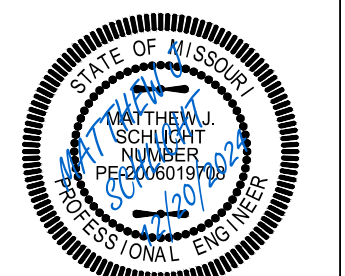


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NEWBERRY
LANDING, LSMO
Issue Date:
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ROOF DRAIN PLAN
Construction Plans for:
Lot 294, Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

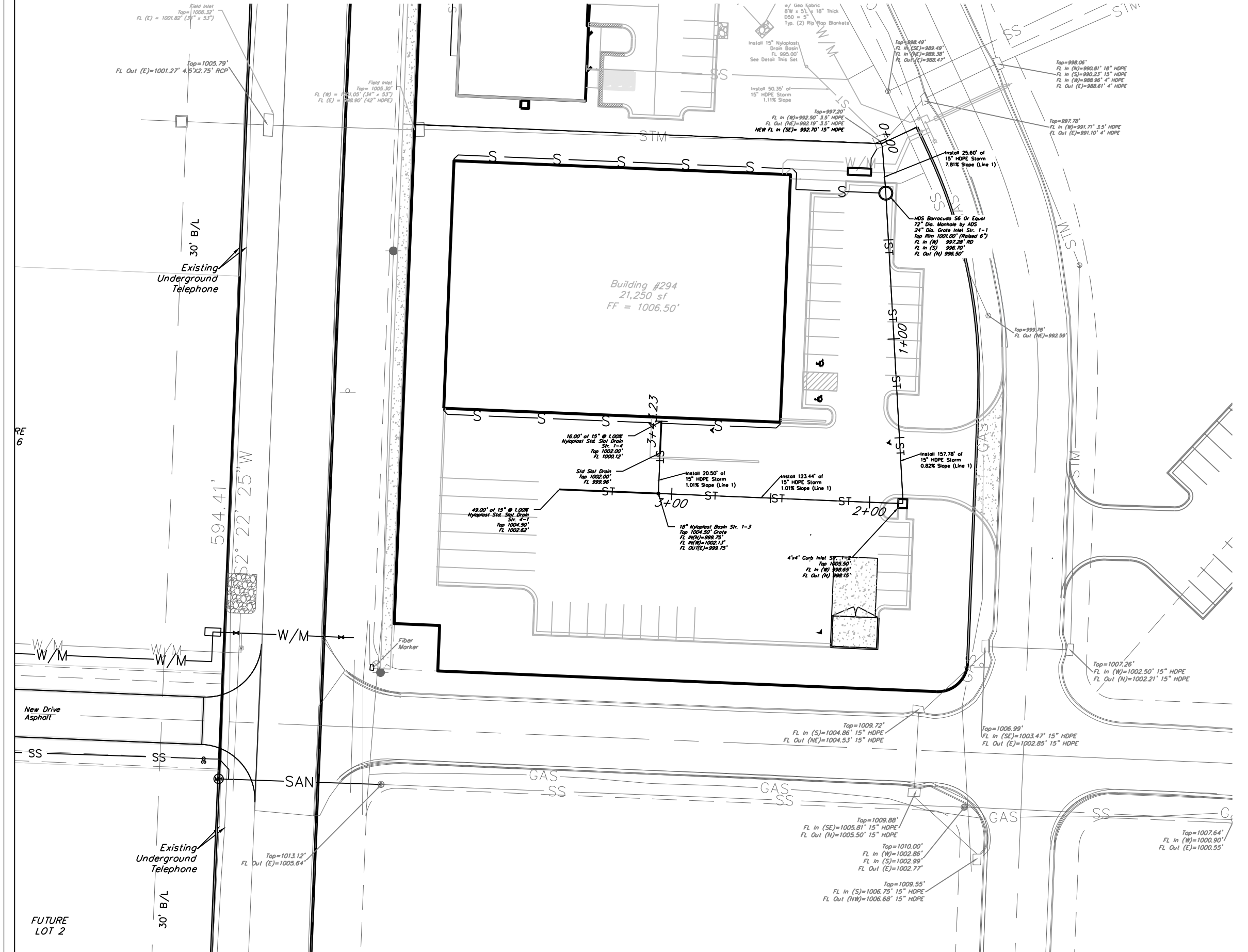


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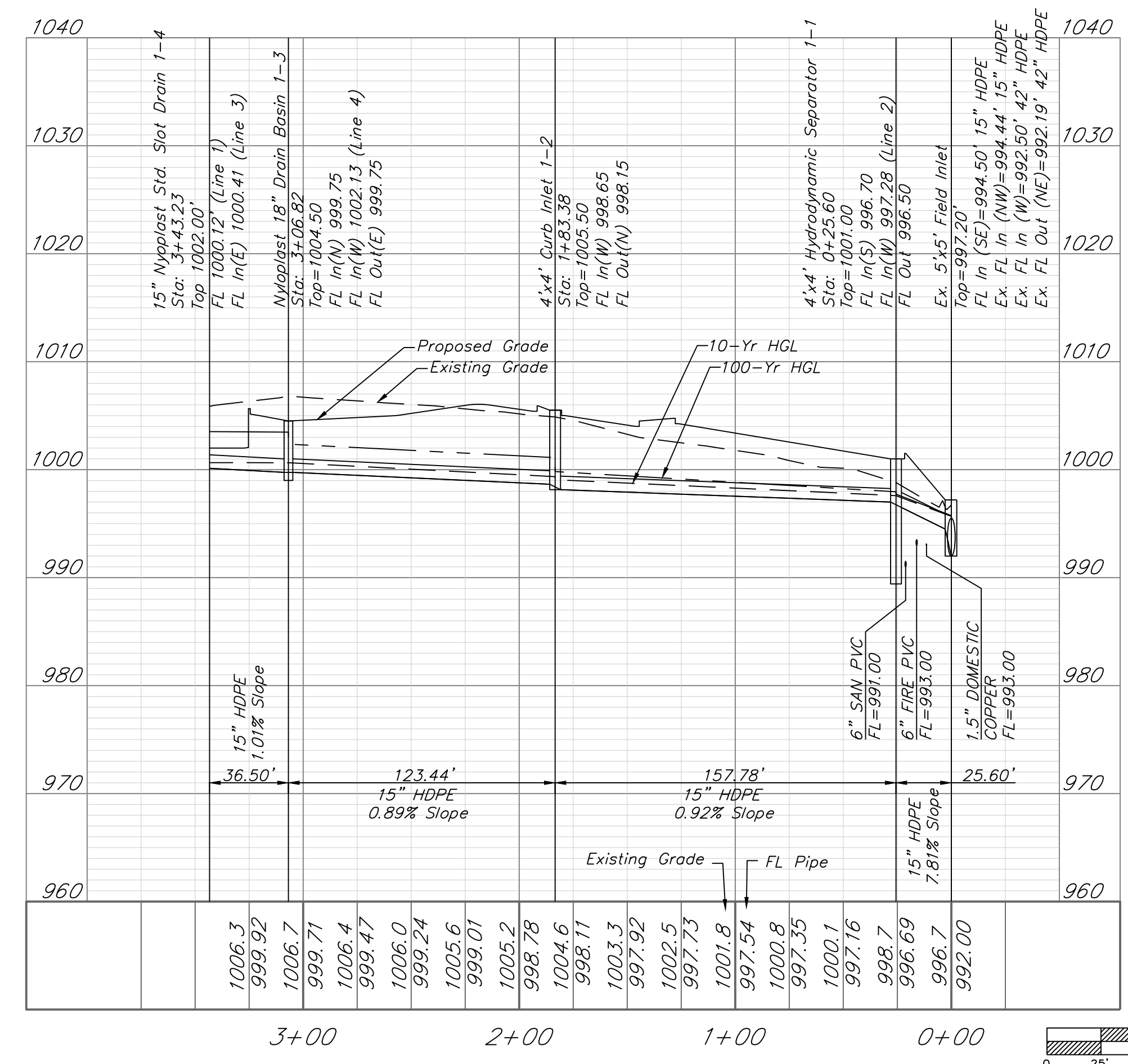
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STORM SEWER PLAN & PROFILE
SCALE: 1" = 50'

North



STORM LINE 1

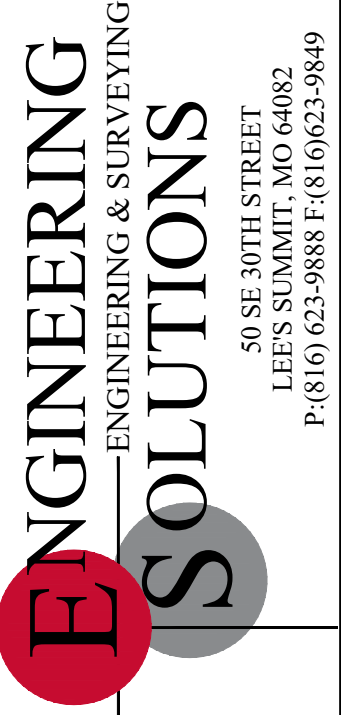


10-YR Structure																						
D.S. Str.	Str. No.	Area (ac)	InletTime (min)	Int. (in/hr)	RunoffCoeff. (C)	Q=CIA (cfs)	QCaptured (cfs)	QBypassed (cfs)	JunctType	CurbHeight (in)	CurbLength (ft)	GrateArea (sqft)	GrateLength (ft)	GrateWidth (ft)	GutterSlope (ft/ft)	GutterWidth (ft)	CrossSlope, Sw (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	0	Dp-Grate	.....	.....	2	2	1	Sag	2	0.02	0.02	.....	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	.....	.....	.....	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	0	0	Dp-Grate	.....	.....	1.77	1.33	1.33	Sag	2	0.02	0.02	.....	0.17	0.17	N/A
1-3	1-4	0.2	5	7.34	0.9	1.32	1.32	0	Dp-Grate	.....	.....	2.4	0.15	16	Sag	2	0.02	0.02	.....	0.06	0.06	N/A
1-1	2-1	0.24	6.2	7	0.9	1.51	.....	.....	MH	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1-4	3-1	0.08	5.6	7.17	0.9	0.52	.....	.....	MH	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1-3	4-1	0.38	5.7	7.14	0.71	1.93	1.93	0	Dp-Grate	.....	.....	7.35	0.15	49	Sag	2	0.02	0.02	.....	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	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)
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	2.96	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	.....	.....	2	2	1	Sag	2	0.02	0.02	.....	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	.....	.....	.....	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	.....	.....	1.77	1.33	1.33	Sag	2	0.02	0.02	.....	0.25	0.25	N/A
1-3	1-4	0.2	5	12.9	0.9	2.32	2.32	0	Dp-Grate	.....	.....	2.4	0.15	16	Sag	2	0.02	0.02	.....	0.08	0.08	N/A
1-1	2-1	0.24	6.2	12.34	0.9	2.67	.....	.....	MH	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1-4	3-1	0.08	5.6	12.61	0.9	0.91	.....	.....	MH	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1-3	4-1	0.38	5.7	12.57	0.71	3.39	3.39	0	Dp-Grate	.....	.....	7.35	0.15	49	Sag	2	0.02	0.02	.....	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	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)
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 200502188-D
Surveying 200500319-D
Kansas
Engineering E-1895
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

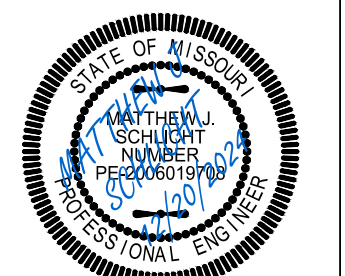
Project:
NEWBERRY
LANDING, LSMO
Issue Date:
January 4, 2024

Professional Registration
Missouri
Engineering 200502188-D
Surveying 200500319-D
Kansas
Engineering E-1895
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

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

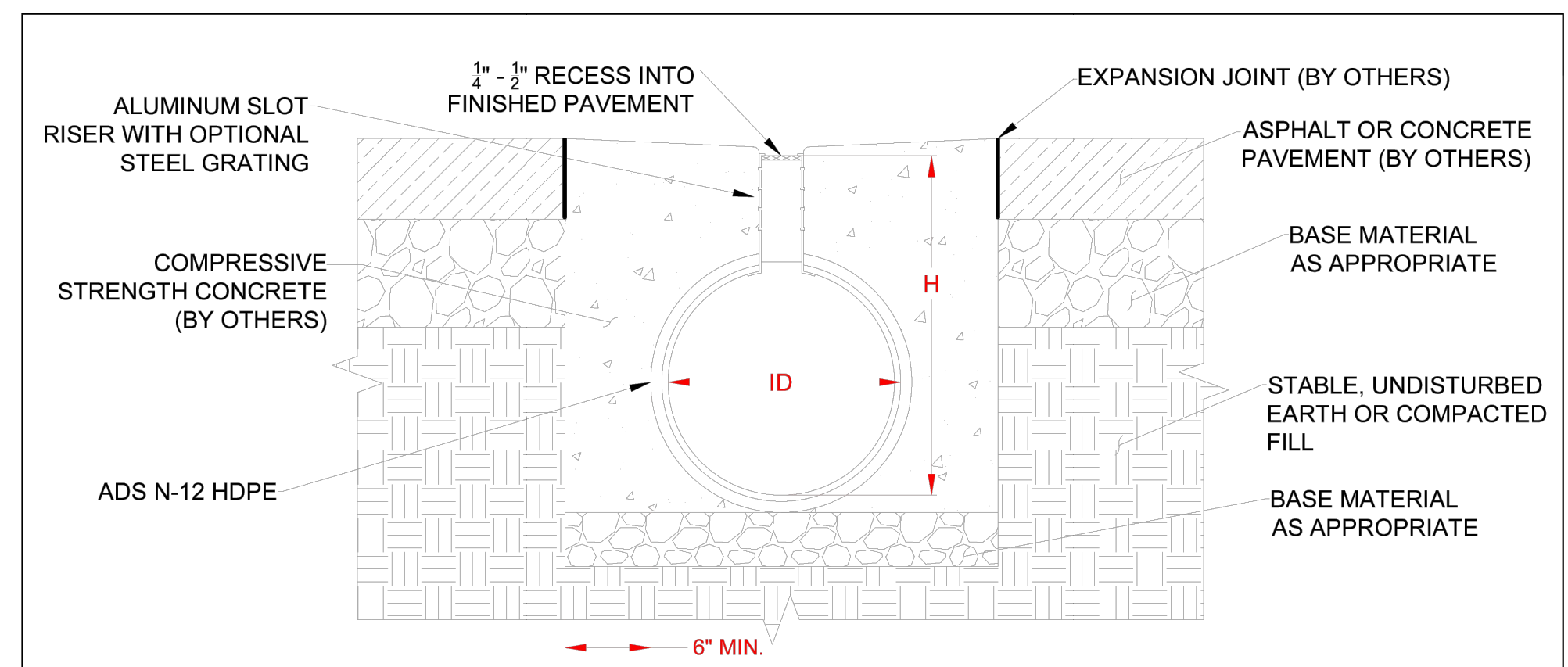
Project:
NEWBERRY
LANDING, LSMO
Issue Date:
January 4, 2024

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
OK PE 25226

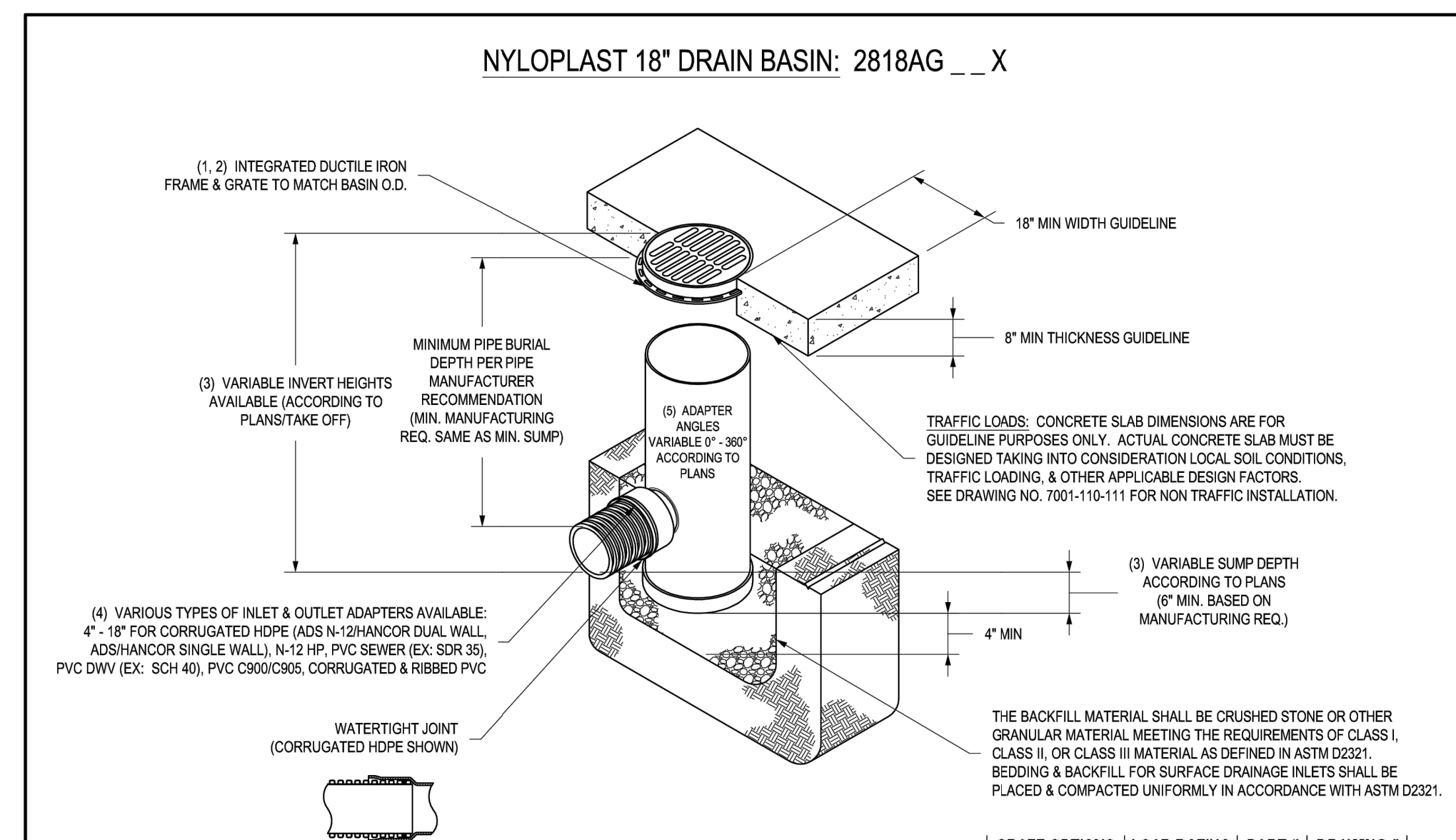
REVISIONS
12-09-2024
REV. 12/20/2024



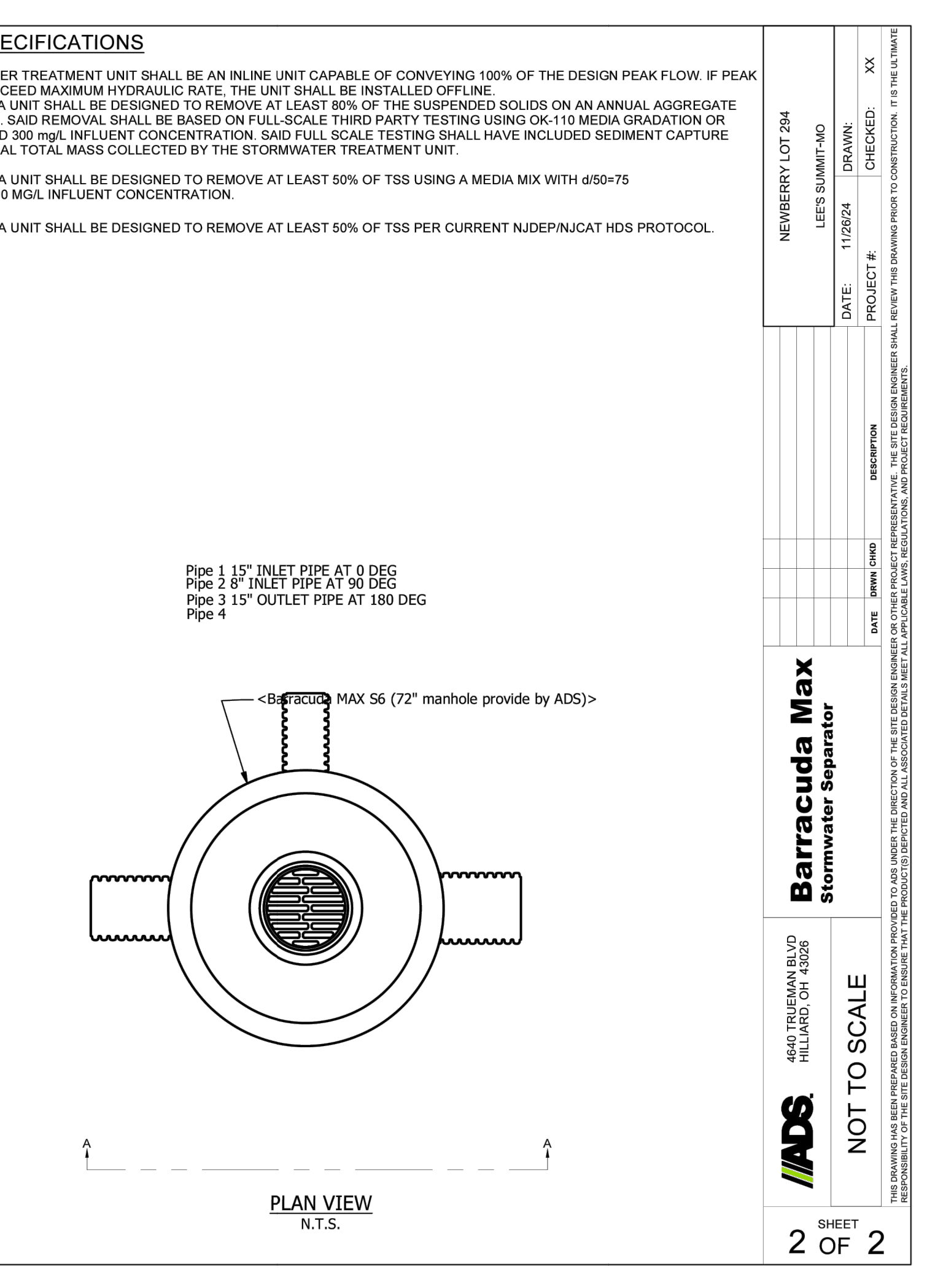
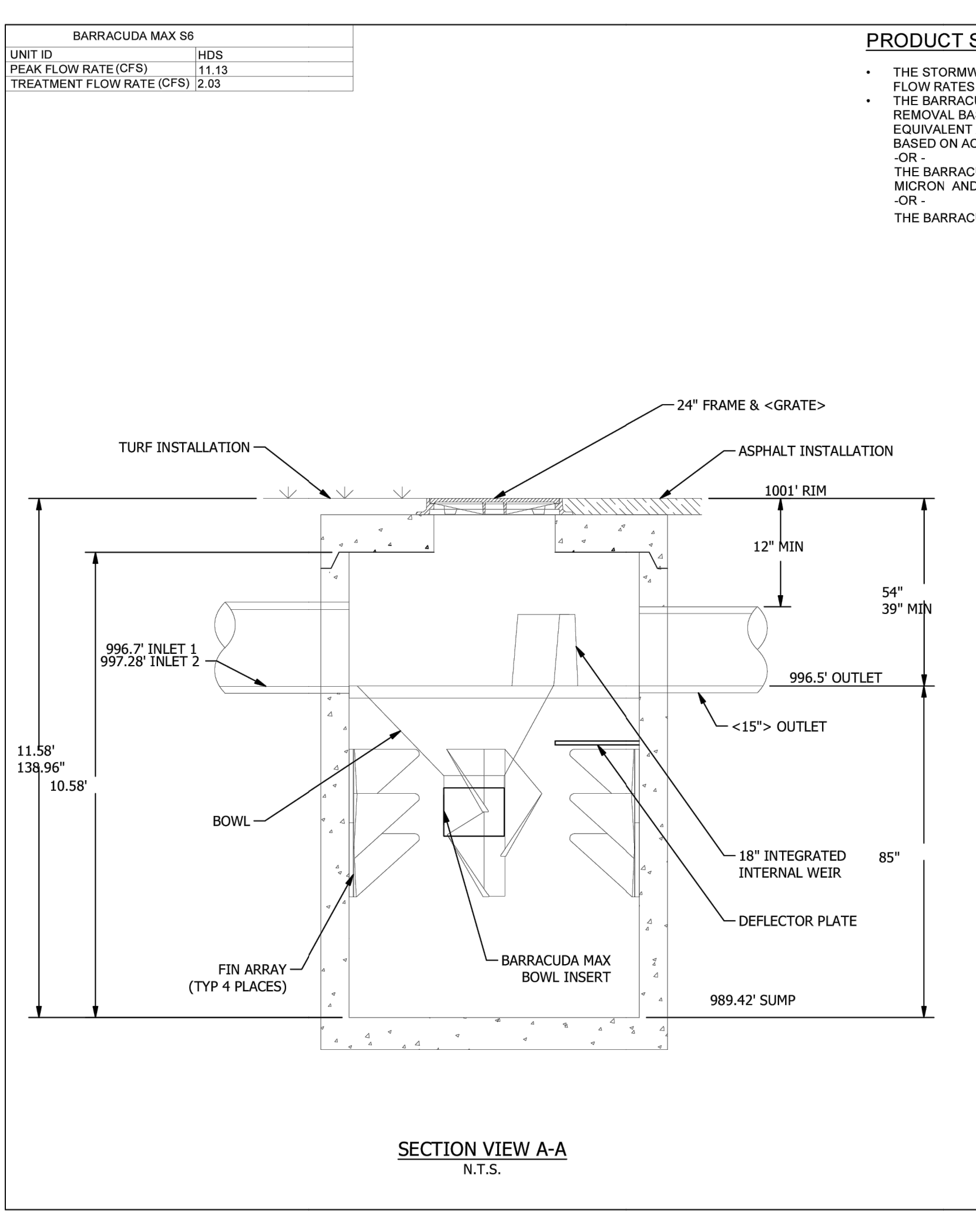
Nominal Diameter, ID, in. (mm)	Depth of Invert, H, in. (mm)	
	Minimum	Maximum
4 (100)	10.75 (273)	28.50 (724)
6 (150)	13.00 (330)	30.50 (775)
8 (200)	15.00 (381)	32.50 (826)
10 (250)	17.00 (432)	34.50 (876)
12 (300)	19.50 (495)	48.50 (1232)
15 (375)	22.50 (572)	51.50 (1308)
18 (450)	25.50 (648)	54.50 (1384)
24 (600)	31.75 (806)	60.50 (1537)
30 (750)	38.75 (984)	66.50 (1689)
36 (900)	44.75 (1137)	72.50 (1842)

- NOTES:**
- BACKFILL DESIGN SHOULD BE USED FOR HS-20 LOADING APPLICATIONS.
 - SITE ENGINEER TO PROVIDE SITE SPECIFIC DETAILS, SUCH AS CONCRETE STRENGTH.
 - REFER TO ADS TECH NOTE 2.11 FOR ADDITIONAL DESIGN INFORMATION.

ADVANCED DRAINAGE SYSTEMS, INC. CADS™ HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.	<table border="1"> <tr> <th>NO.</th> <th>REV.</th> <th>DESCRIPTION</th> <th>BY</th> <th>MM/DD/YY</th> <th>CHKD.</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	NO.	REV.	DESCRIPTION	BY	MM/DD/YY	CHKD.	1						<table border="1"> <tr> <td>DATE</td> <td>07-05-2023</td> </tr> <tr> <td>SCALE</td> <td>1" = 1'</td> </tr> </table>	DATE	07-05-2023	SCALE	1" = 1'
NO.	REV.	DESCRIPTION	BY	MM/DD/YY	CHKD.													
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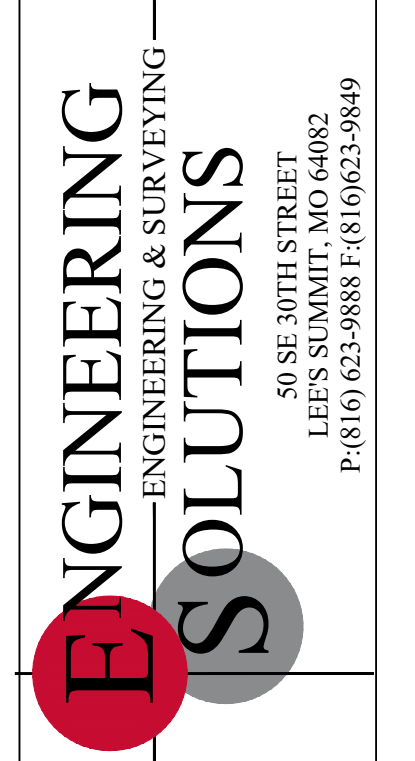


<p>1 - GRATESOLID COVER SHALL BE DUCTILE IRON PER ASTM A538 GRADE 70-60-05.</p> <p>2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A538 GRADE 70-60-05.</p> <p>3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 64" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.</p> <p>4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL) N-12 HP, & PVC SEWER.</p> <p>5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 300°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-042.</p>	<p>THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.</p>	<table border="1"> <tr> <th>DATE</th> <th>BY</th> <th>MATERIAL</th> </tr> <tr> <td>04-03-08</td> <td>EBB</td> <td></td> </tr> <tr> <th>DATE</th> <th>BY</th> <th>PROJECT NO/NAME</th> </tr> <tr> <td>03-14-16</td> <td>NMH</td> <td></td> </tr> </table>	DATE	BY	MATERIAL	04-03-08	EBB		DATE	BY	PROJECT NO/NAME	03-14-16	NMH		<table border="1"> <tr> <th>DATE</th> <th>BY</th> <th>PROJECT NO/NAME</th> </tr> <tr> <td>03-14-16</td> <td>NMH</td> <td></td> </tr> </table>	DATE	BY	PROJECT NO/NAME	03-14-16	NMH		<table border="1"> <tr> <th>DATE</th> <th>BY</th> <th>PROJECT NO/NAME</th> </tr> <tr> <td>03-14-16</td> <td>NMH</td> <td></td> </tr> </table>	DATE	BY	PROJECT NO/NAME	03-14-16	NMH		<table border="1"> <tr> <th>DATE</th> <th>BY</th> <th>PROJECT NO/NAME</th> </tr> <tr> <td>03-14-16</td> <td>NMH</td> <td></td> </tr> </table>	DATE	BY	PROJECT NO/NAME	03-14-16	NMH	
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03-14-16	NMH																																		



- PRODUCT SPECIFICATIONS**
- THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.
 - THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.
 - OR-
 - THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH #50-#75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.
 - OR-
 - THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL.

NEWBERRY LOT 294 LEES SUMMIT, MO	DATE: 11/28/24	DRAWN: []	CHECKED: XX
PROJECT #:	DATE: []	DESCRIPTION:	DATE: []
<p>Barracuda Max Stormwater Separator</p> <p>NOT TO SCALE</p> <p>2 SHEET OF 2</p>			



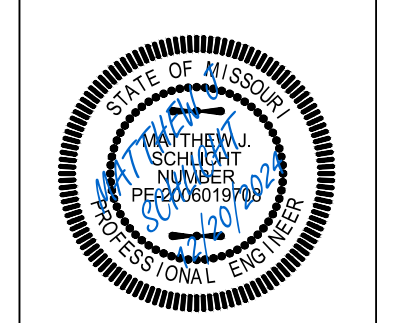
Professional Registration
Missouri
Engineering 2005002188-D
Surveying 2005003189-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Project:
Newberry Landings, LSMO
Issue Date:
January 4, 2024

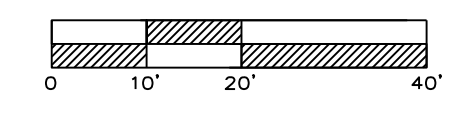
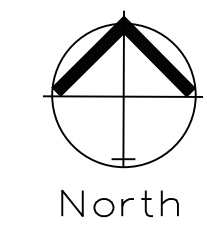
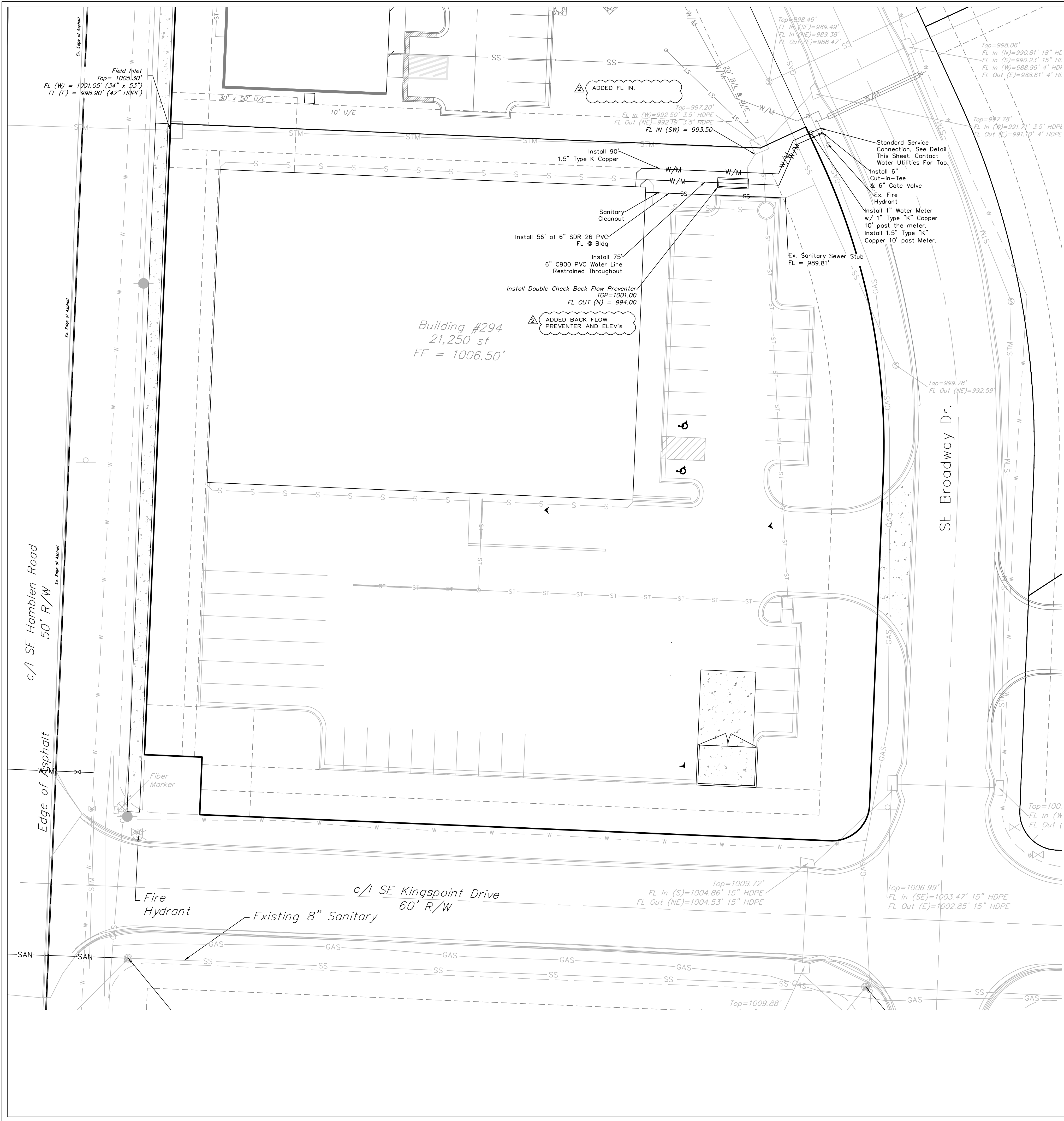
Storm Sewer Details
Construction Plans for:
Lot 294, Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 24326

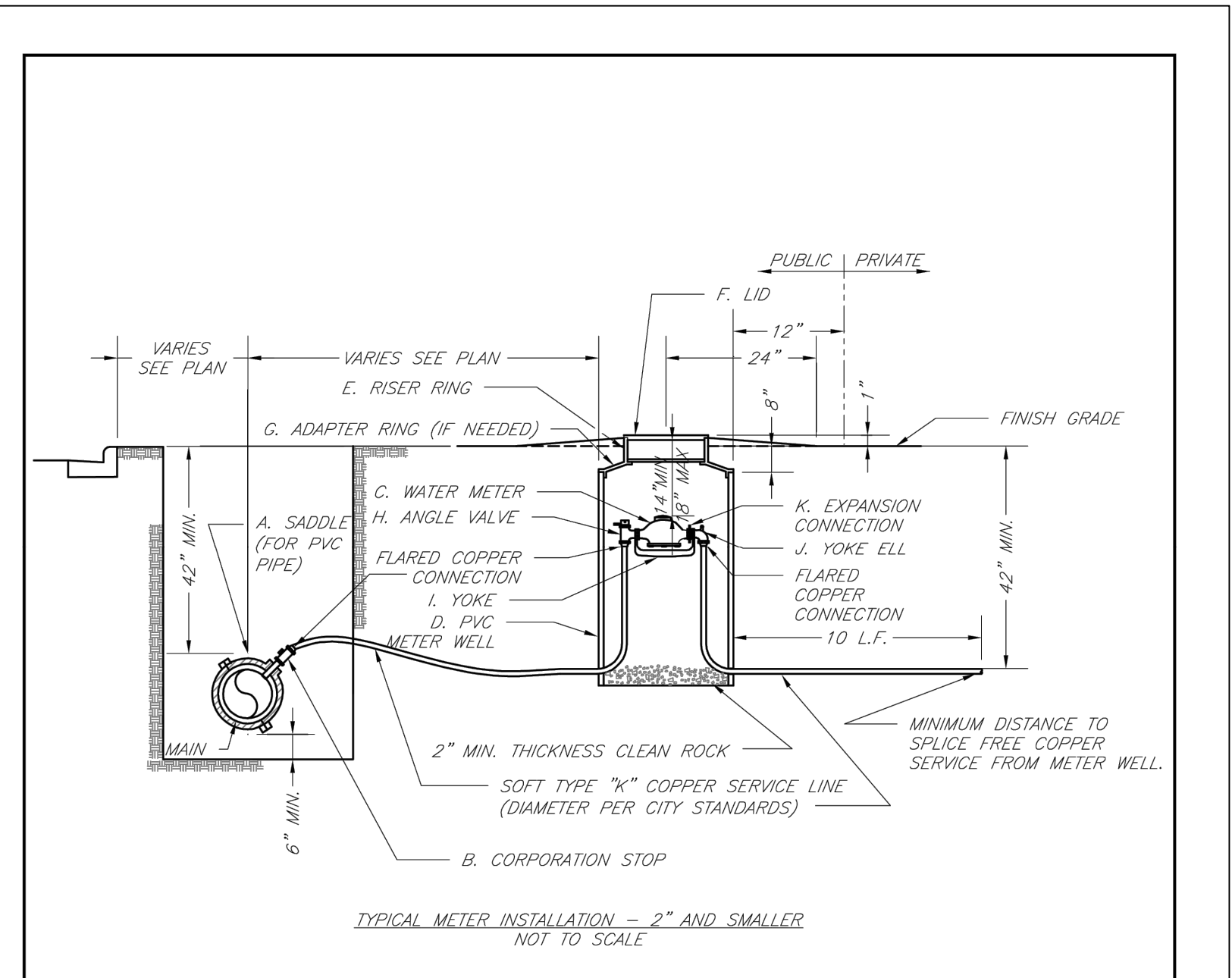
REVISIONS
12-09-2024
REV. 12/20/2024



C. 303



SANITARY SEWER/WATER GENERAL LAYOUT
SCALE: 1" = 20'



- 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"



LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64083
SERVICE CONNECTION/METER WELL

Date:	02/13
Drawn By:	JN
Checked By:	DL
FILE:	WAT-11
Rev:	1/14
Rev:	

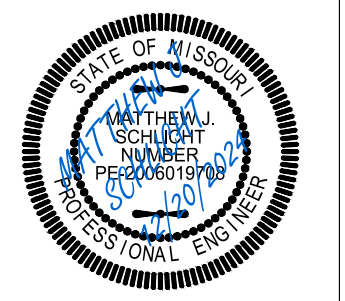


Professional Registration
Missouri
Engineering 200602188-D
Surveying 200500319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Project:
Newberry Landings, LSMO
Issue Date:
January 4, 2024

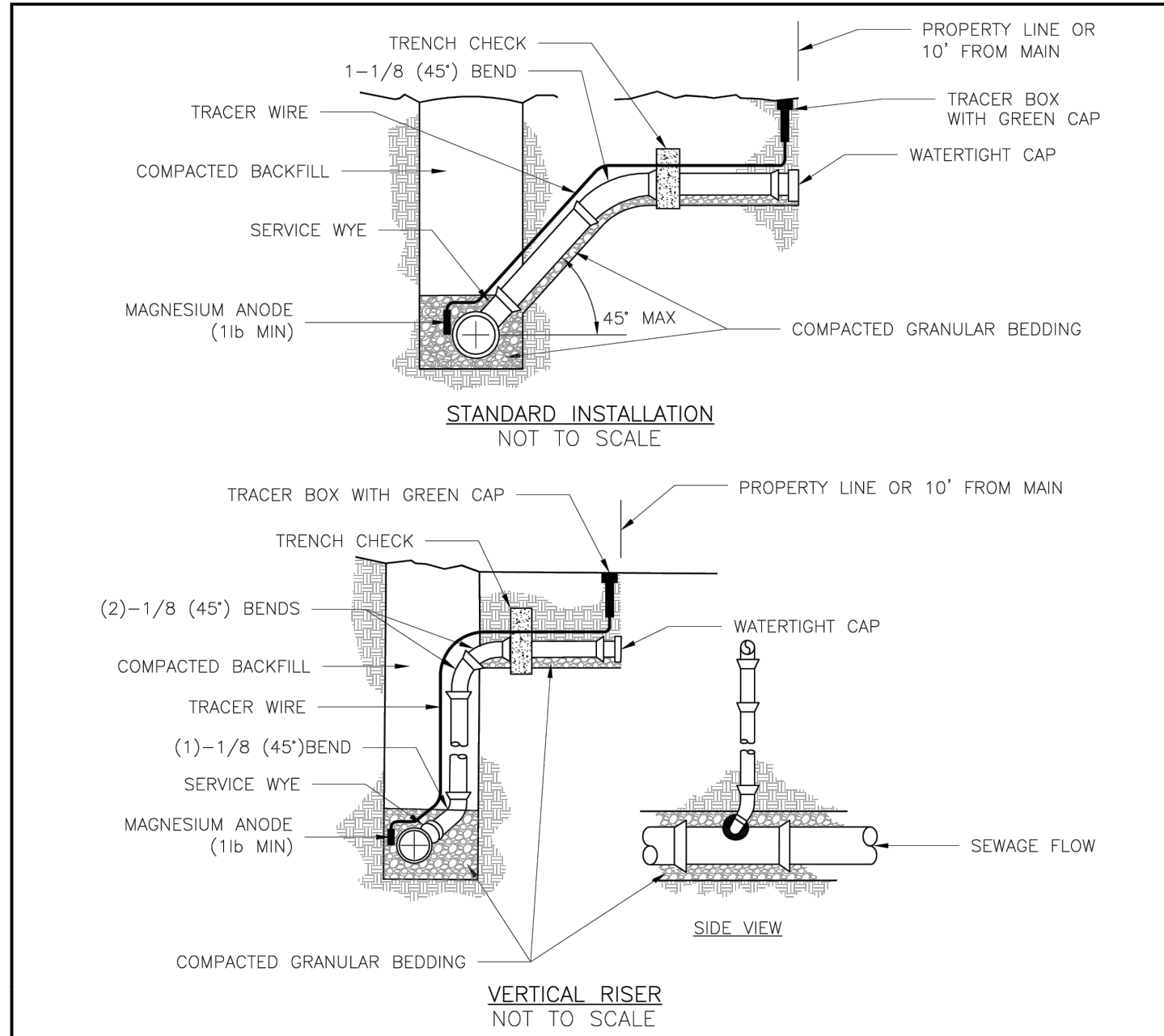
Project:
Newberry Landings First Plat
Lee's Summit, Jackson County, Missouri

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
12-09-2024
REV. 12/20/2024

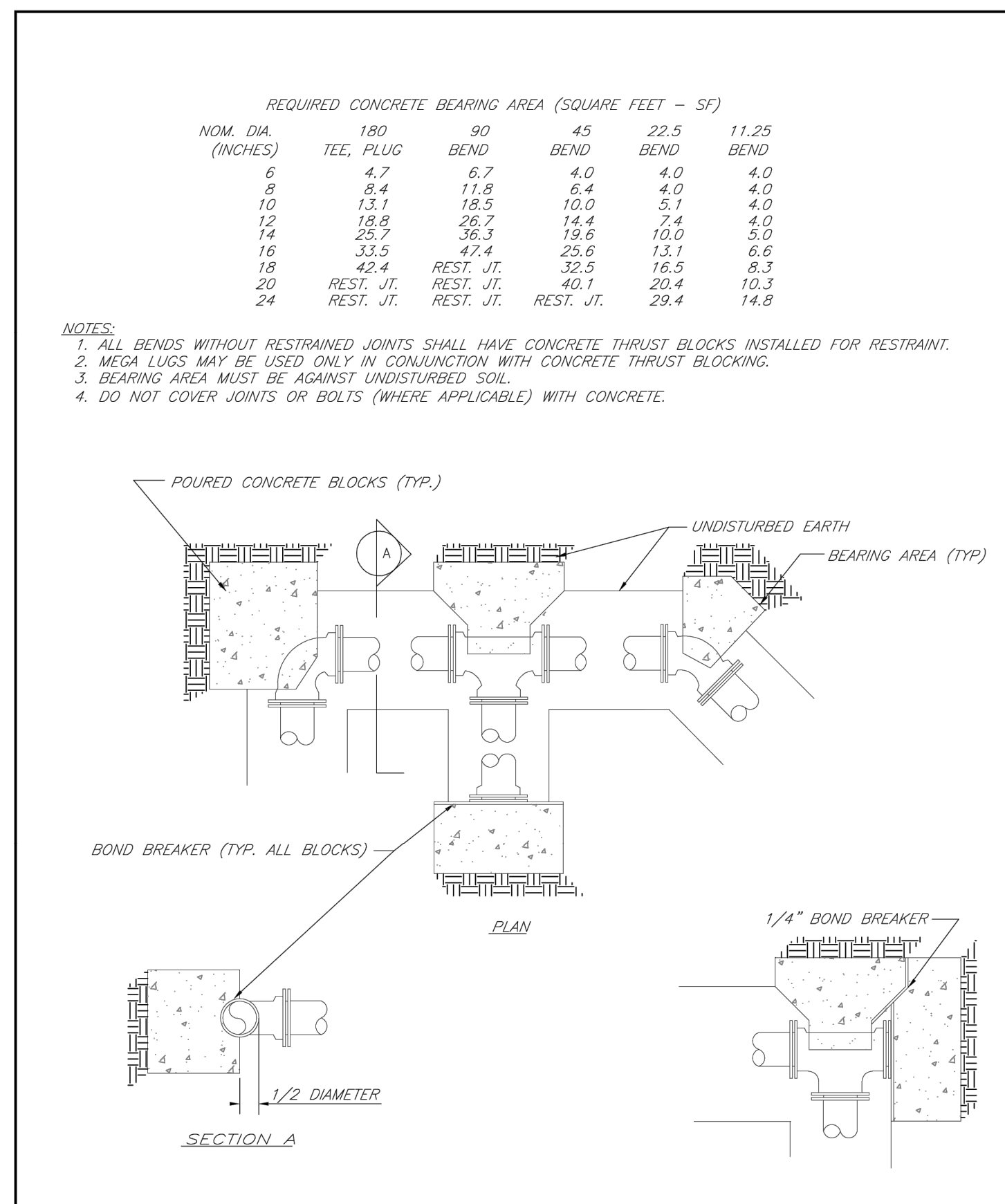


NOTES:

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.

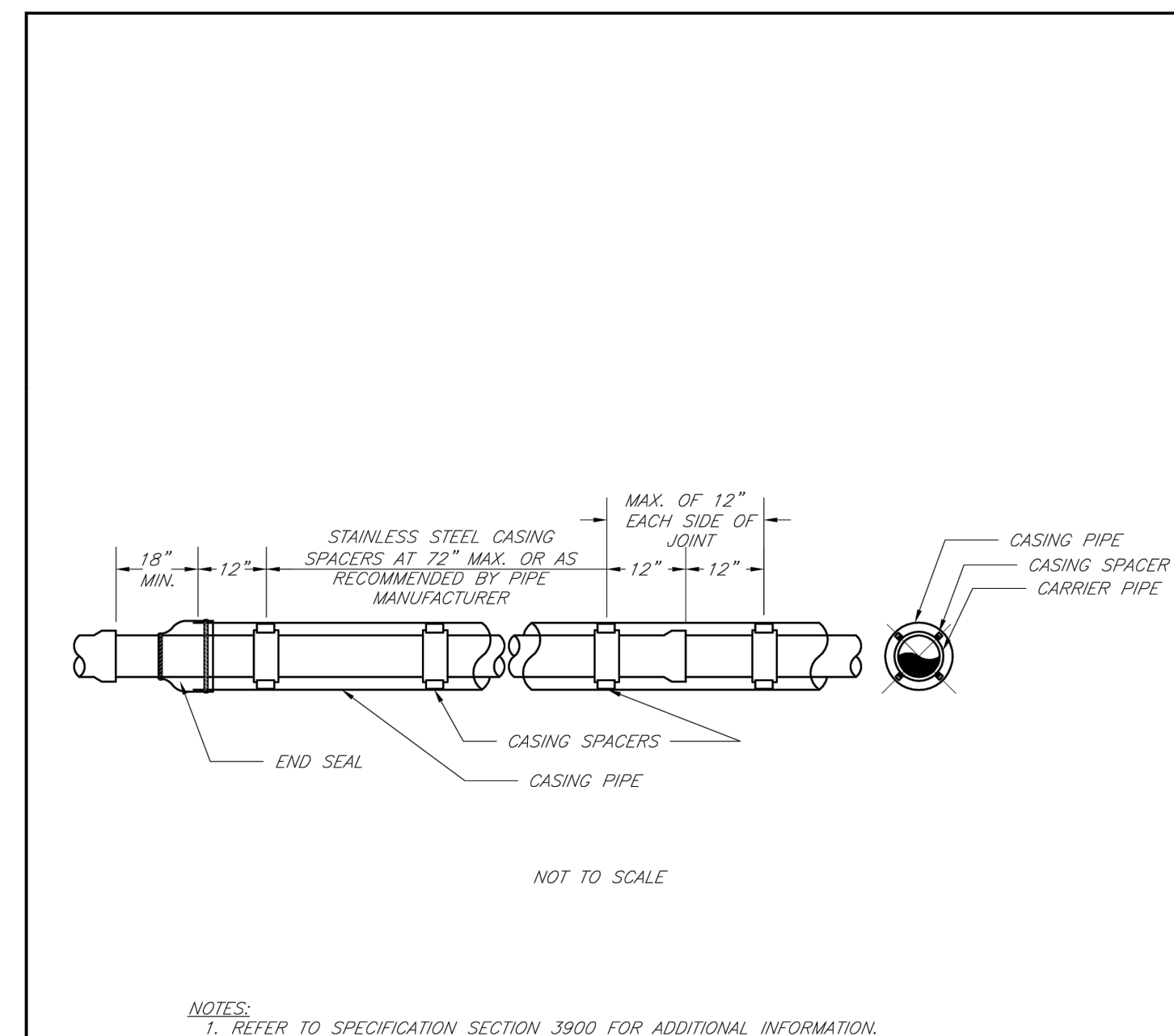
LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
BUILDING SEWER STUB AND RISER

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



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:

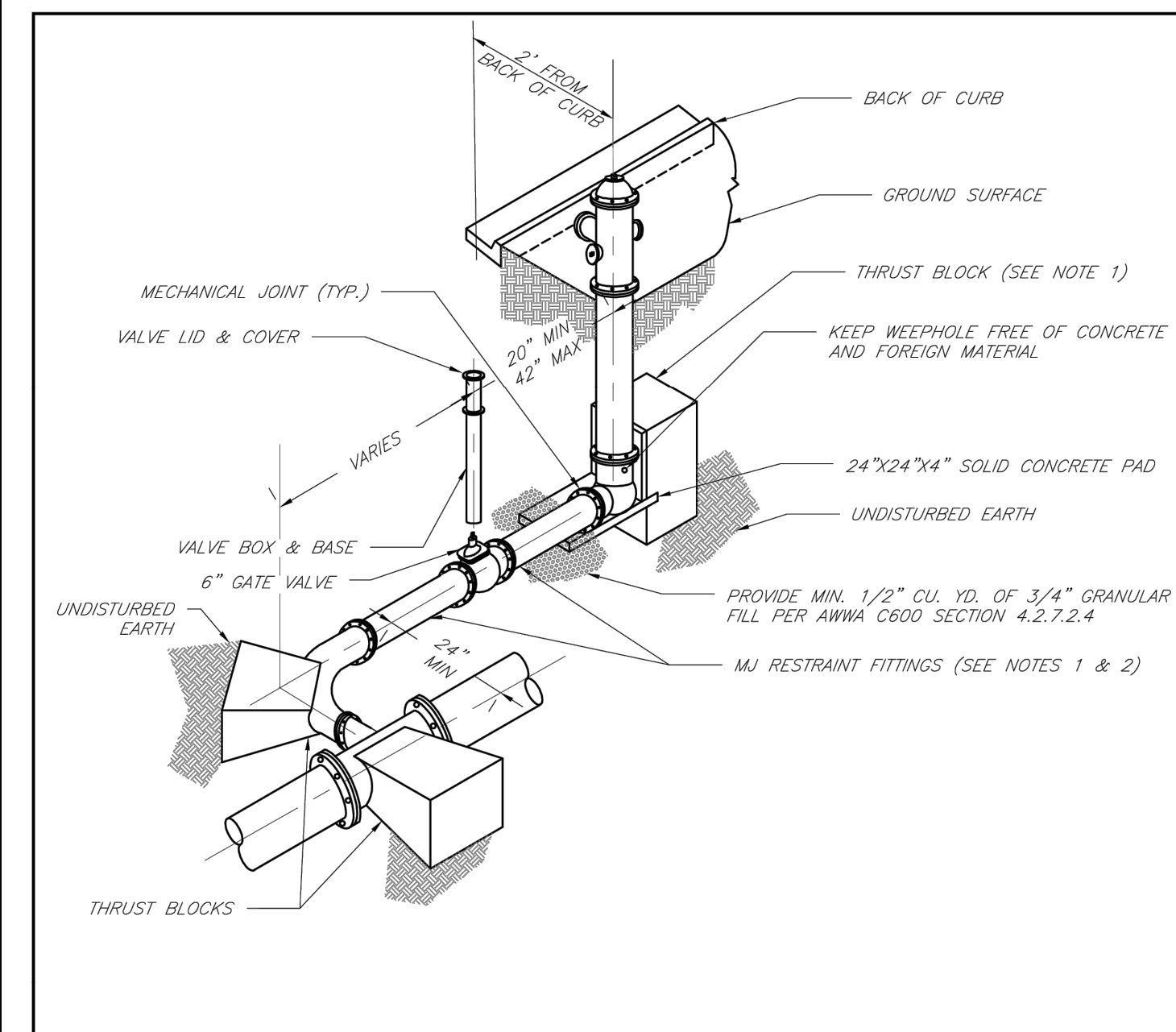


NOTES:

1. REFER TO SPECIFICATION SECTION 3900 FOR ADDITIONAL INFORMATION.
2. LENGTH, DIAMETER, AND WALL THICKNESS TO BE SHOWN ON CONSTRUCTION PLANS.

LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
WATER CASING PIPE DETAIL

Date: 02/13
 Drawn By: JN
 Checked By: DL
 FILE: WAT-3
 Rev: 1/14
 Rev:

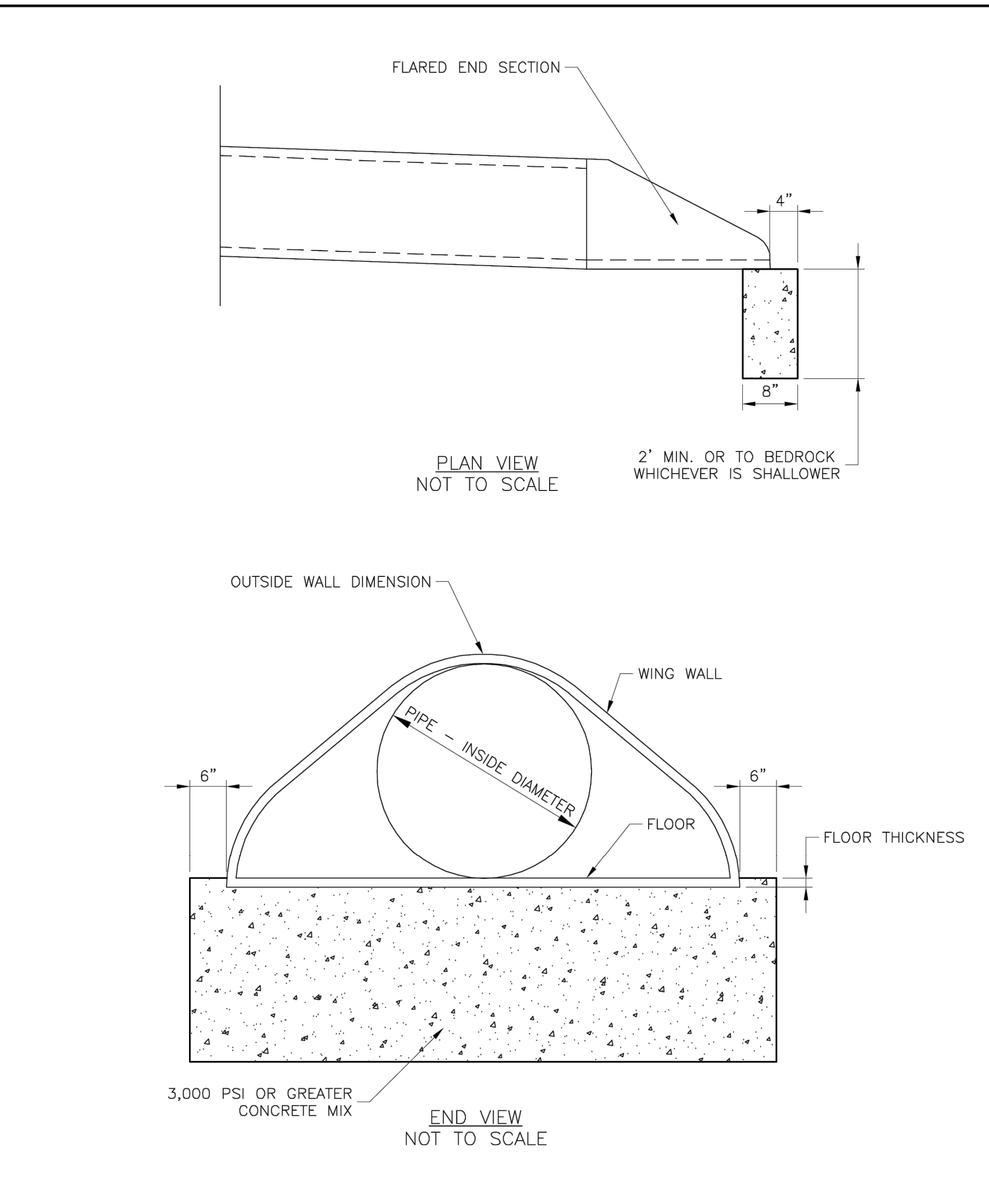


NOTES:

1. WHEN RETAINER GLANDS ARE USED IN LIEU OF MECHANICAL JOINT (MJ) RESTRAINT FITTINGS, HORIZONTAL THRUST BLOCKS ARE REQUIRED.
2. GATE VALVE MAY BE BOLTED DIRECTLY TO MJ RESTRAINT TEE.
3. SEE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR FIRE HYDRANT, VALVES, VALVE BOX LID, AND COVER.
4. BOTTOM HYDRANT FLANGE SHALL BE 2" TO 6" ABOVE FINISHED GRADE.
5. FOR STREETS WITHOUT CURBS FIRE HYDRANTS SHALL BE PLACED WITHIN 1 FOOT OF THE R/W LINE, BUT NOT MORE THAN 10' FROM EDGE OF PAVEMENT. FIRE HYDRANT SHALL NOT BE PLACED IN BOTTOM OF DITCH.
6. HYDRANT SHALL BE ROTATED AS DIRECTED BY INSPECTOR.

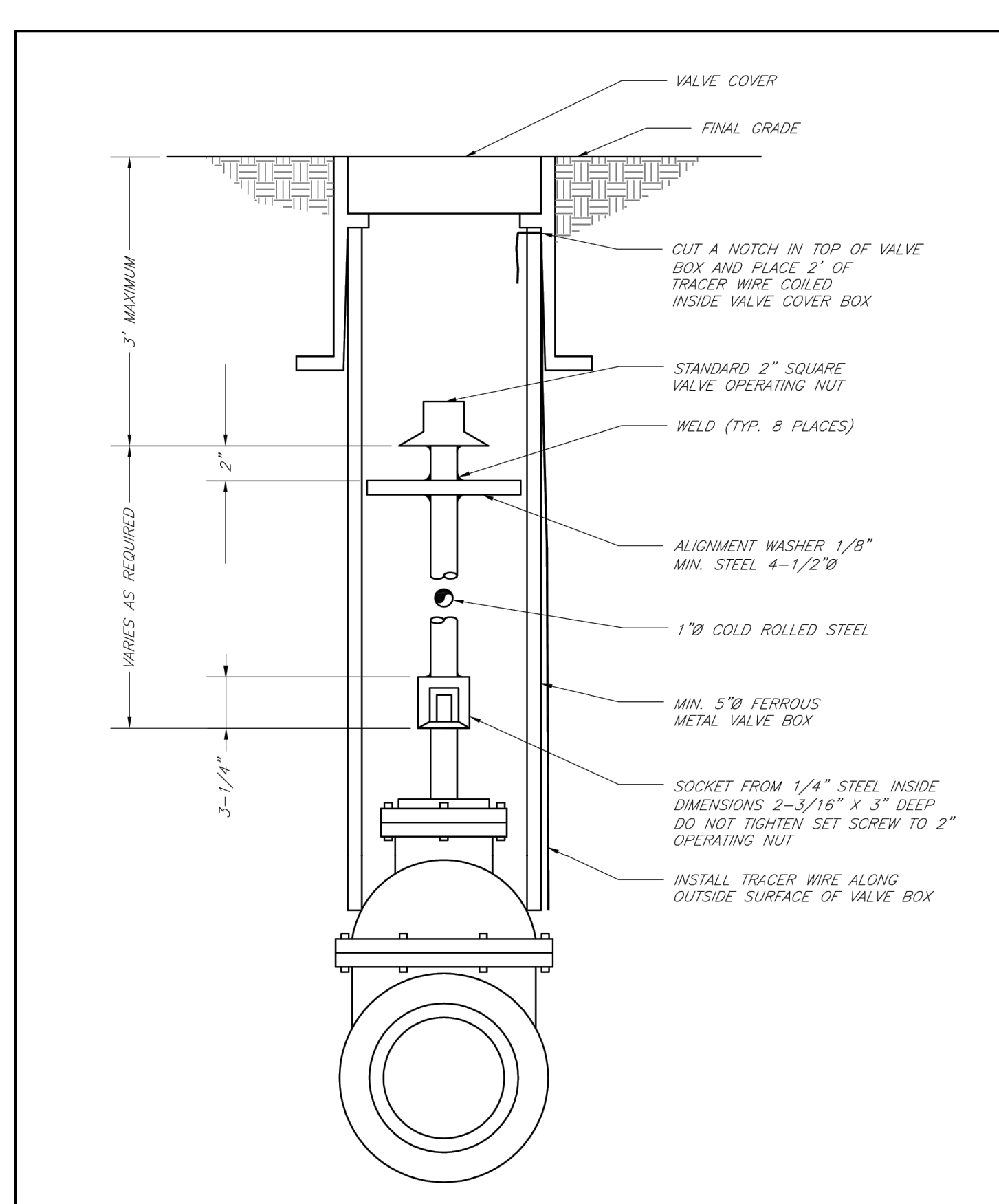
LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
HYDRANT WITH 90 DEGREE BEND

Date: 02/13
 Drawn By: JN
 Checked By: DL
 FILE: WAT-8
 Rev: 1/14
 Rev:



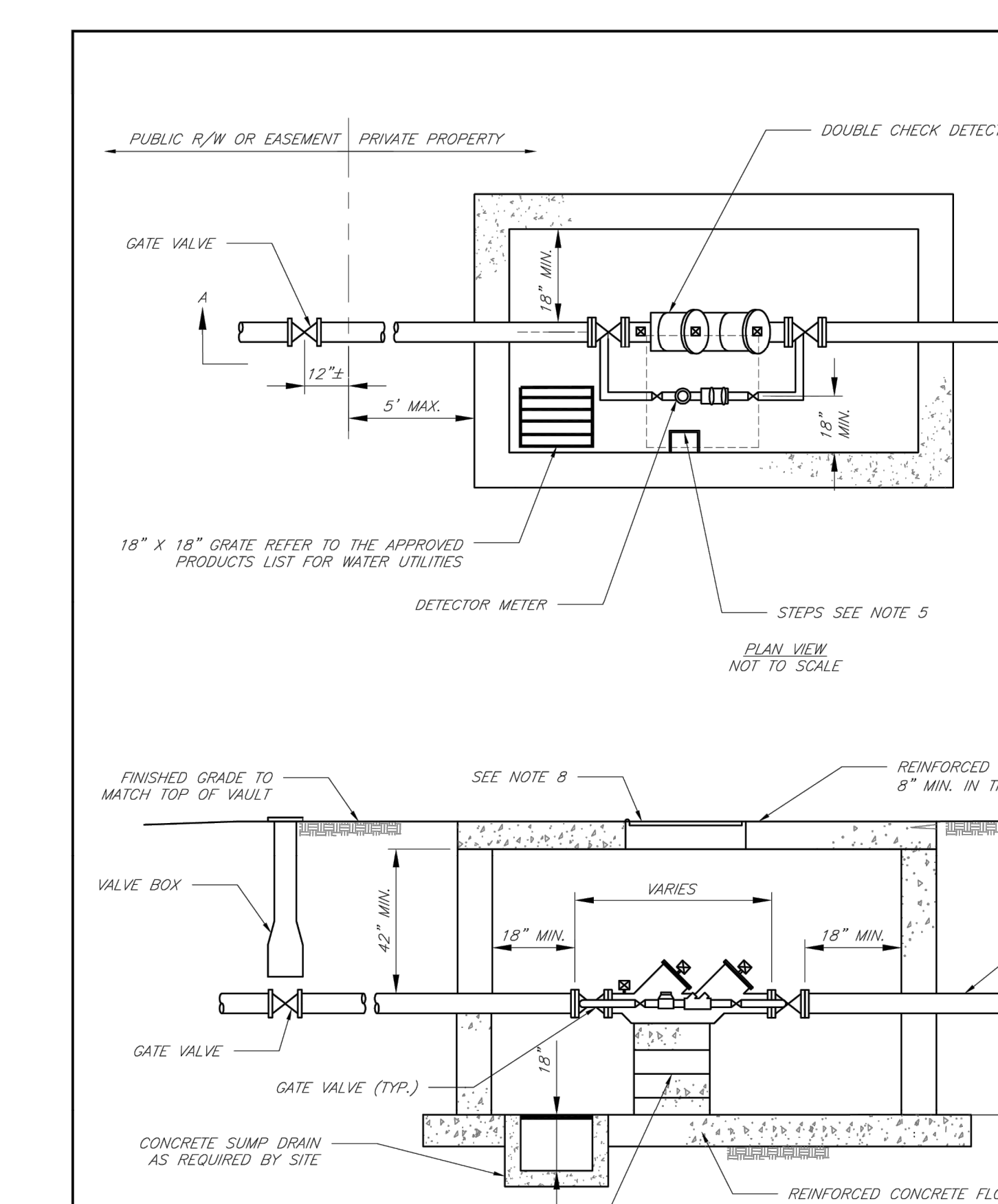
LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
FLARED END SECTION SUPPORT DETAIL

Date: 04/17
 Drawn By: MFP
 Checked By: DL
STM-5



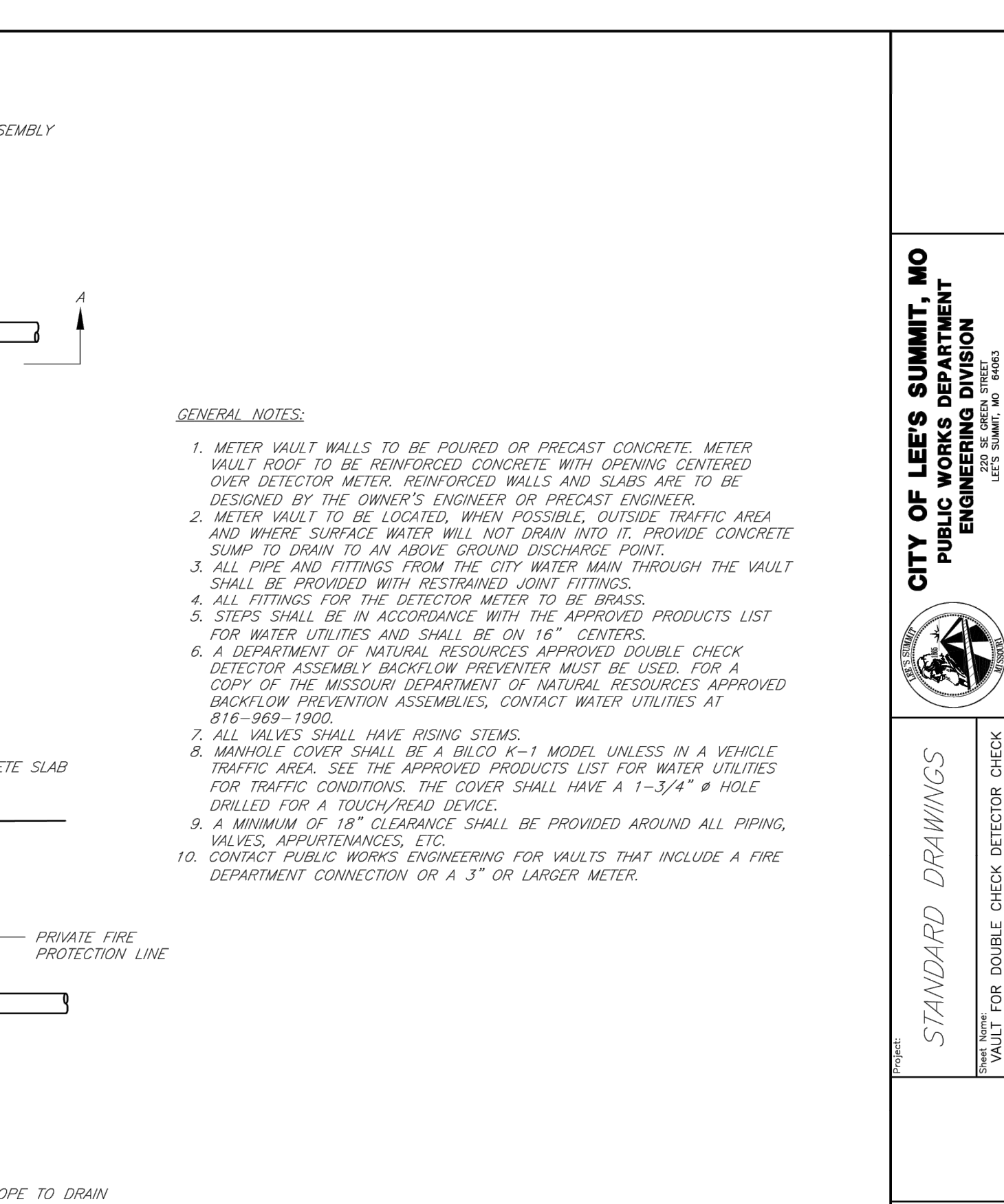
LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
VALVE STEM EXTENSION AND VALVE BOX

Date: 02/13
 Drawn By: JN
 Checked By: DL
 FILE: WAT-9
 Rev: 1/14
 Rev:



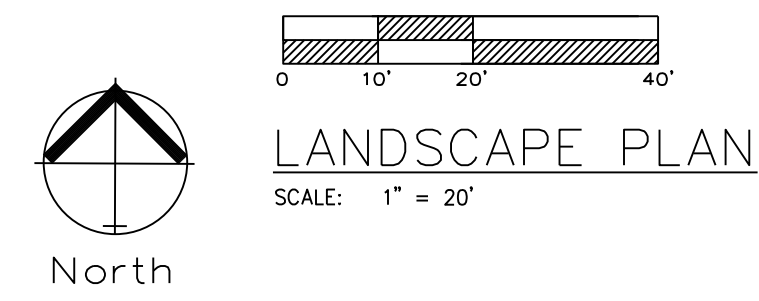
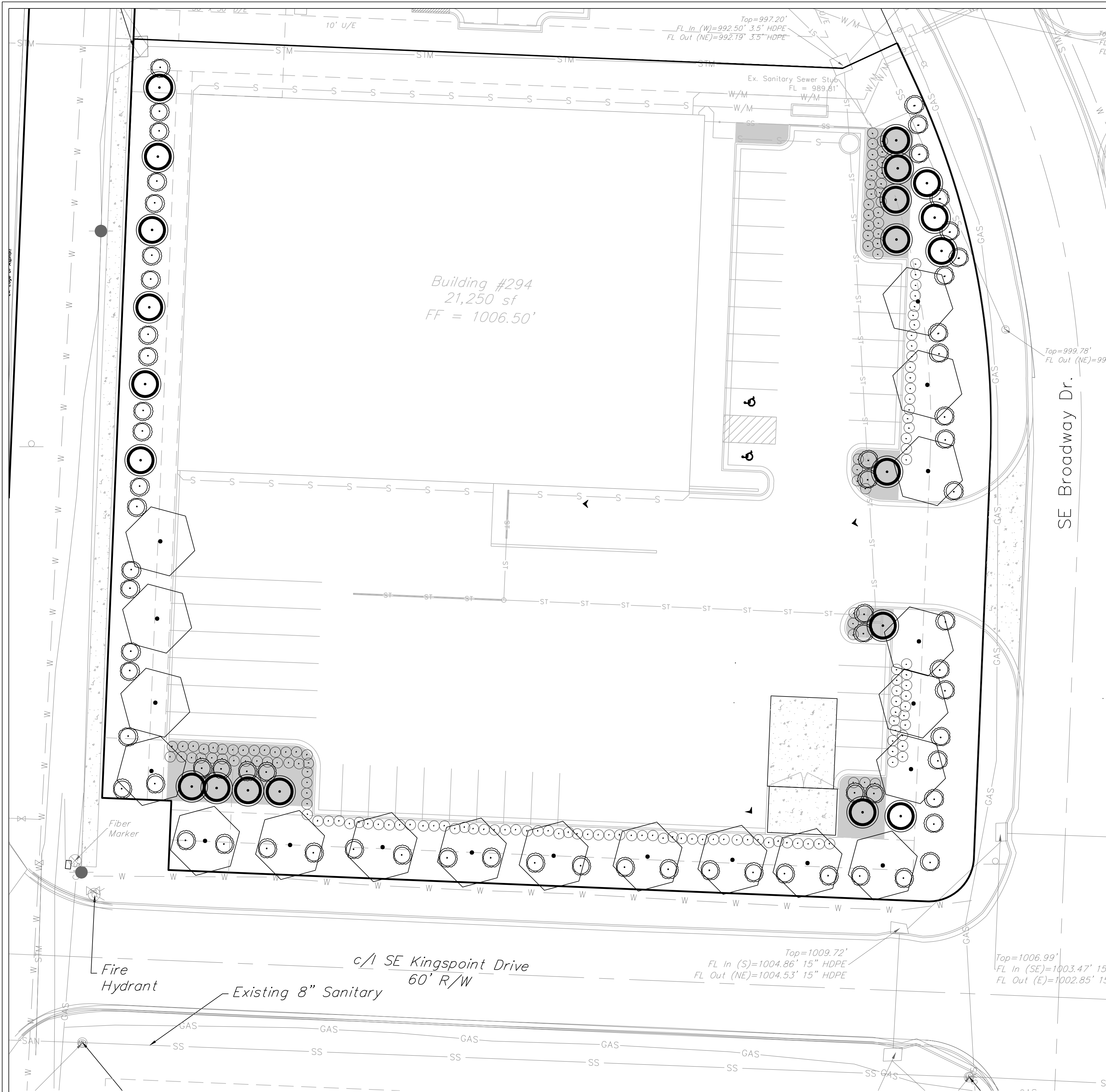
LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
DOUBLE CHECK DETECTOR ASSEMBLY

Date: 02/13
 Drawn By: JN
 Checked By: DL
 FILE: WAT-9
 Rev: 1/14
 Rev:



LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
STANDARD DRAWINGS

Date: 02/13
 Drawn By: JN
 Checked By: DL
 FILE: WAT-12
 Rev: 1/14
 Rev:



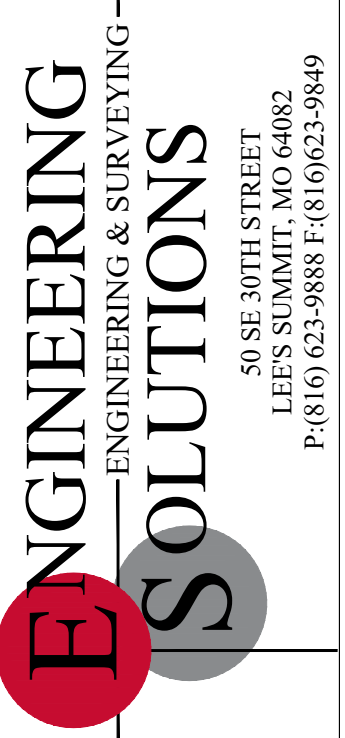
LANDSCAPE WORKSHEET

	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 required.	134 shrubs provided

*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.

PLANTING SCHEDULE:
 IS FOR PHASE 1 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 with dot)	68	SR	SKYROCKET JUNIPER JUNIPERUS SCOPULORUM "SKYROCKET"	8' HL
tree (circle with dot)	21	RB	OKLAHOMA REDBUD CERCIS RENIFORMIS "OKLAHOMA"	3.0" CAL
shrub (circle)	157	BB	BURNING BUSH EUONYMUS ALATA "COMPACTUS"	2 Gallon Pot

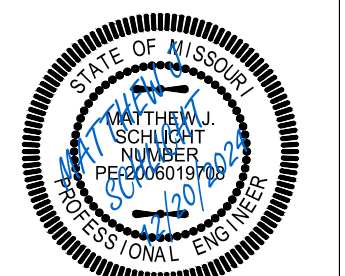


Professional Registration
 Missouri
 Engineering 200502188-D
 Surveying 200500319-D
 Kansas
 Engineering E-1695
 Surveying LS-218
 Oklahoma
 Engineering 6254
 Nebraska
 Engineering CA2821

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

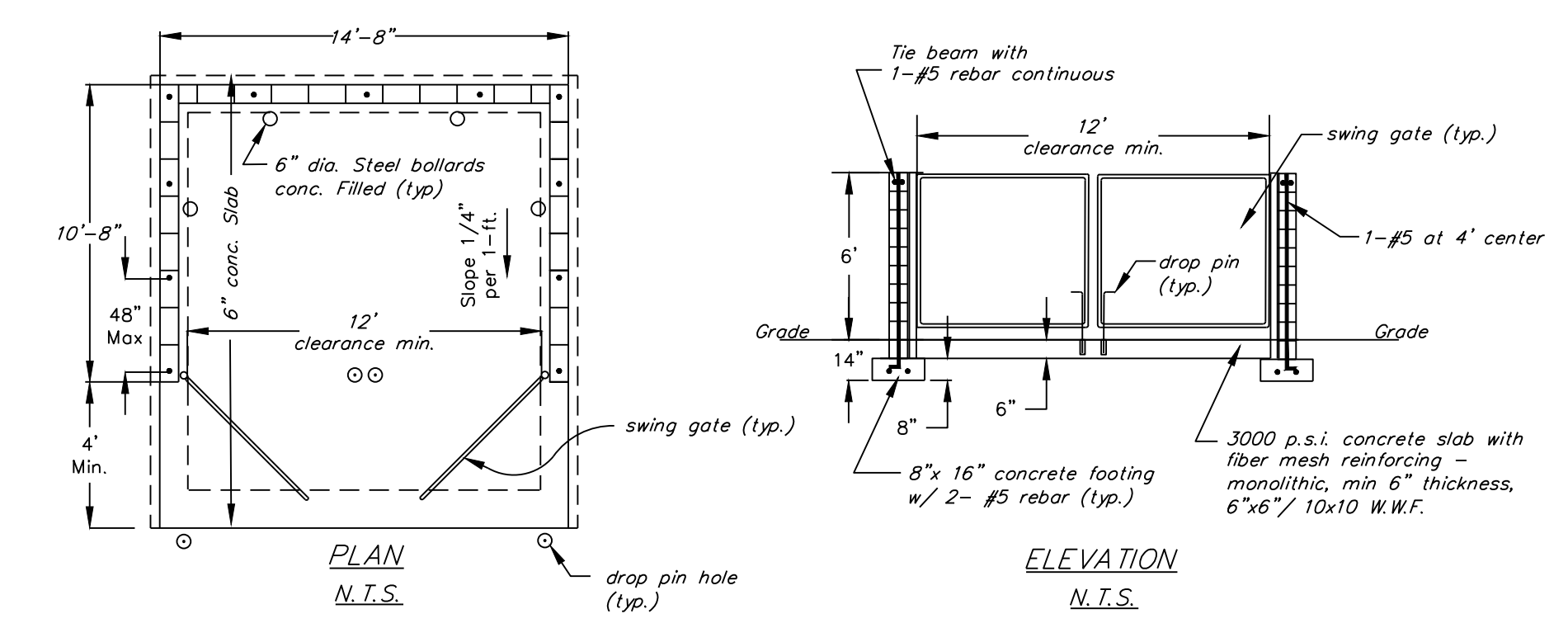
Project:
 NEWBERRY
 LANDING, LSMO
 Issue Date:
 January 4, 2024

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

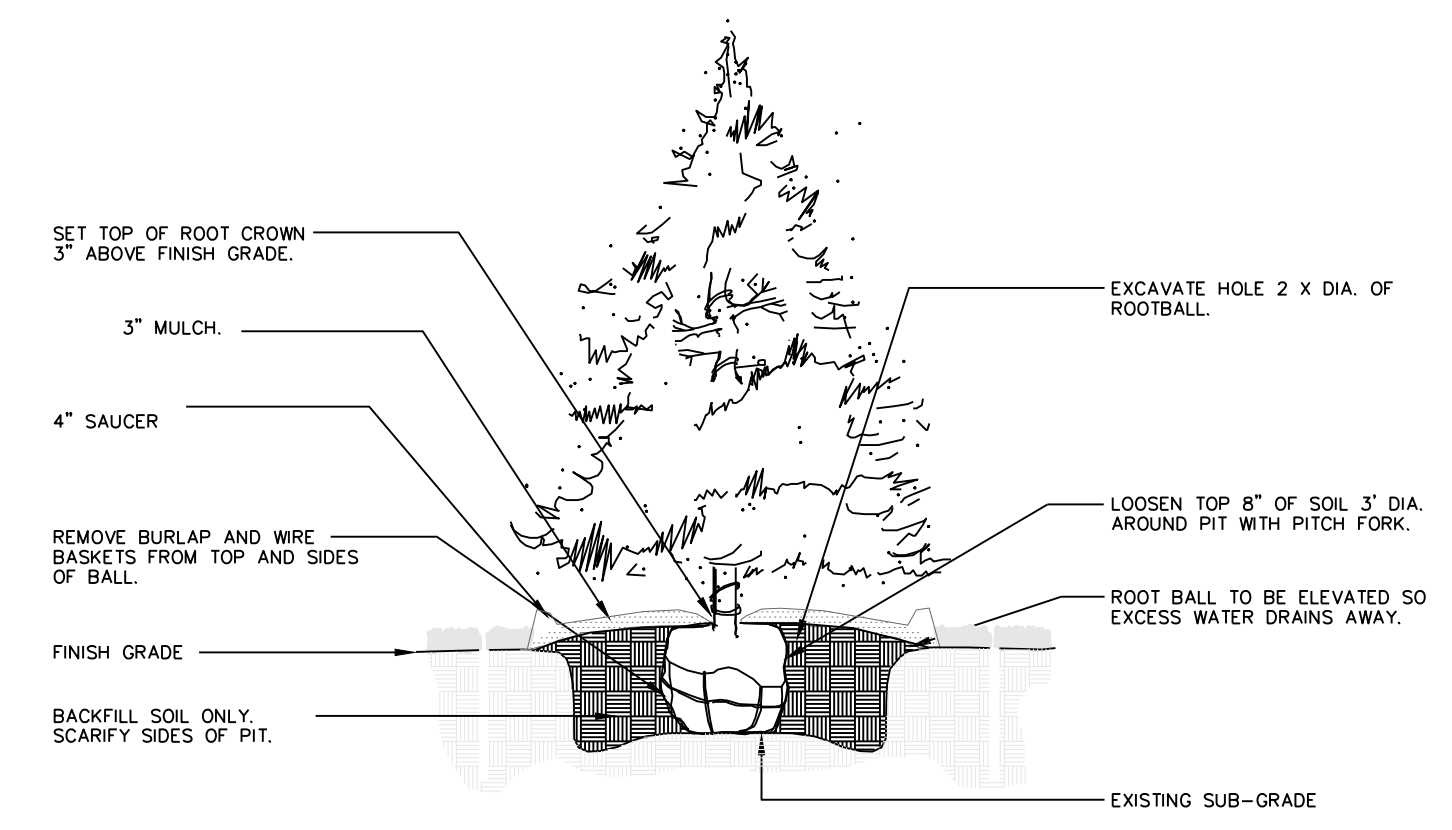


Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
 OK PE 25226

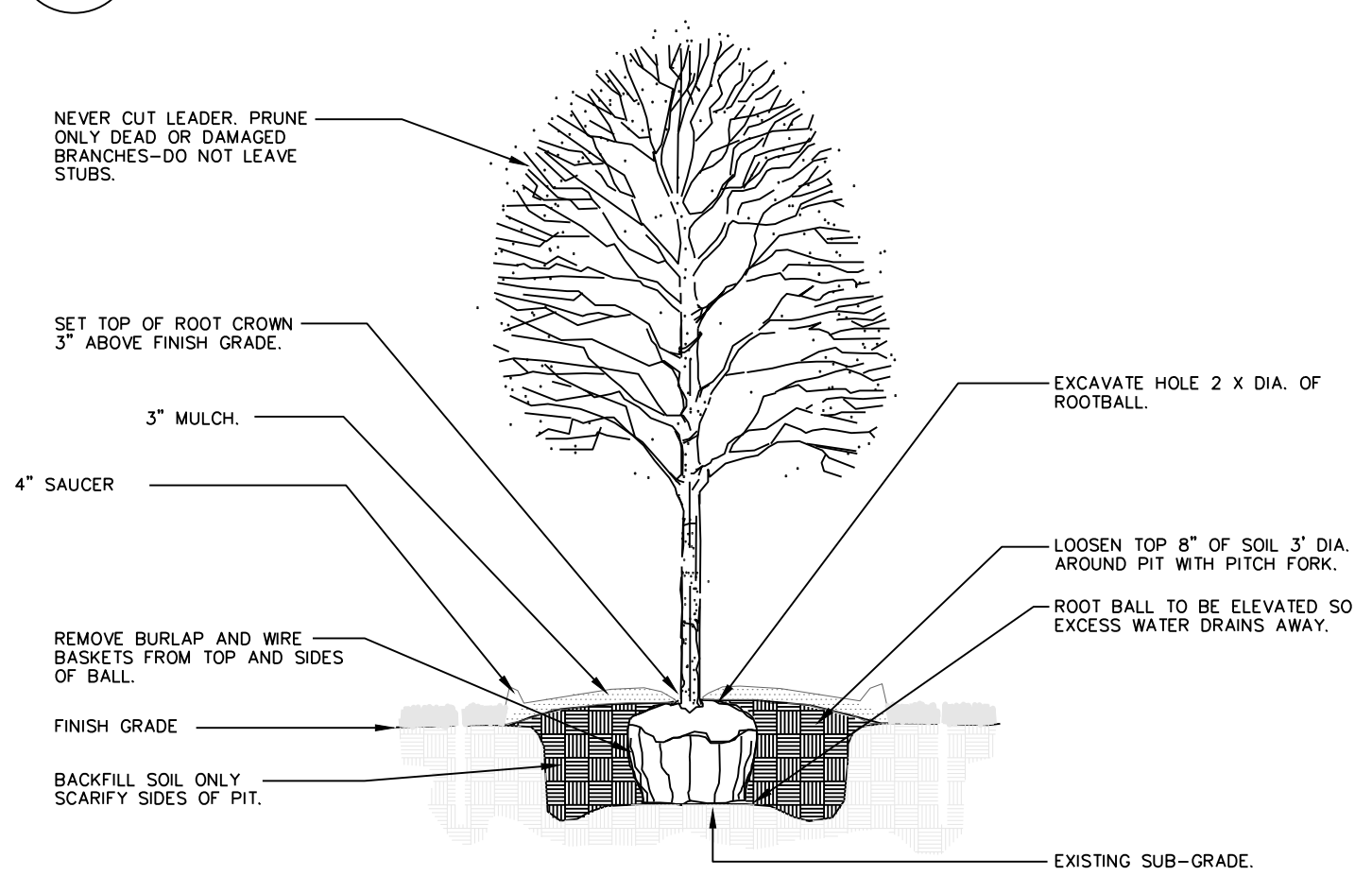
REVISIONS
 12-09-2024
 REV. 12/20/2024



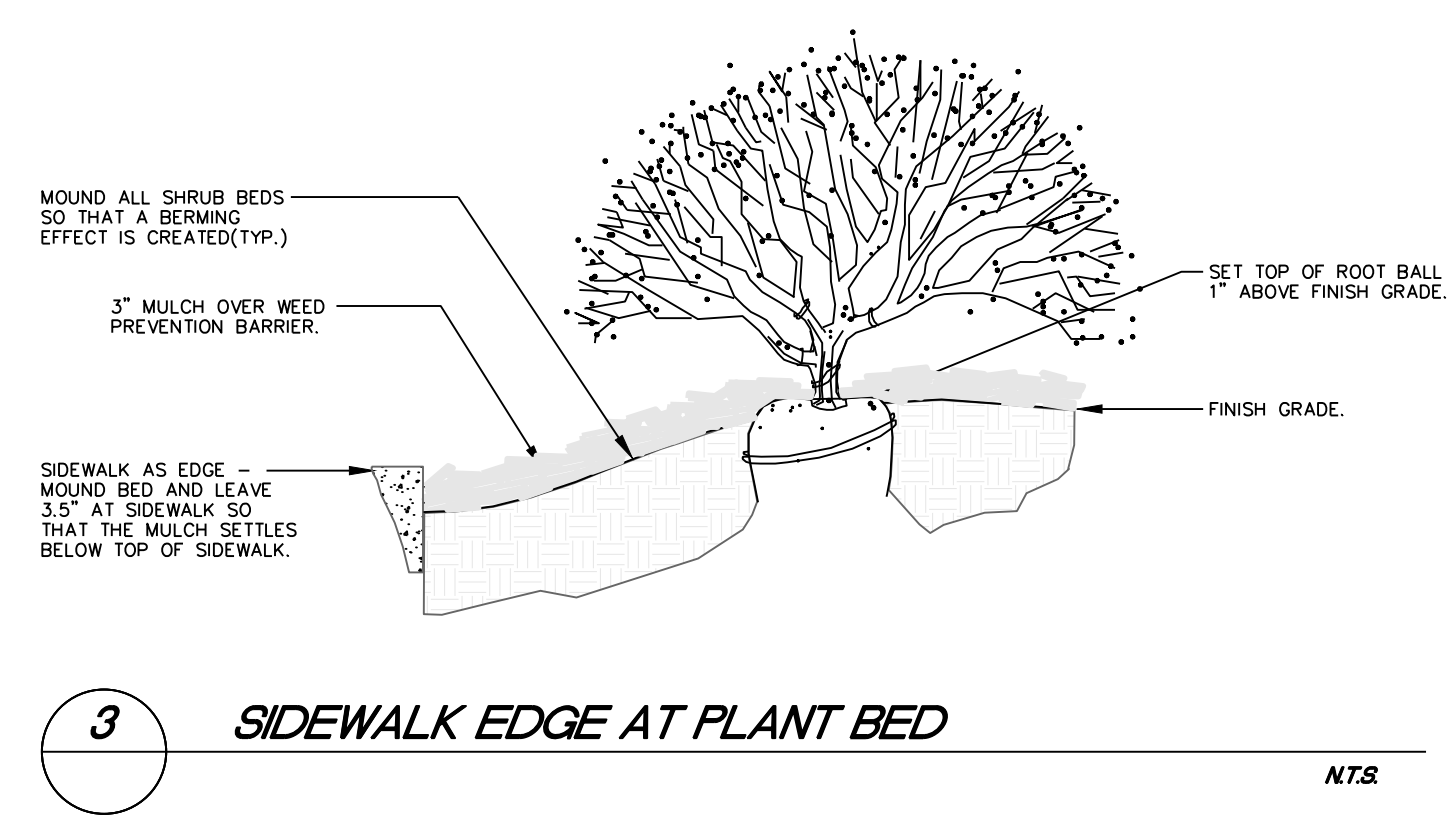
DUMPSTER ENCLOSURE SINGLE
NON-TRAFFIC BEARING
N.T.S.



1 EVERGREEN TREE PLANTING
N.T.S.



2 DECIDUOUS TREE PLANTING
N.T.S.



3 SIDEWALK EDGE AT PLANT BED
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", AND 260.1-2004.
- 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 SODDED 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 MATTER 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.
- REESTABLISH 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 RETO 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

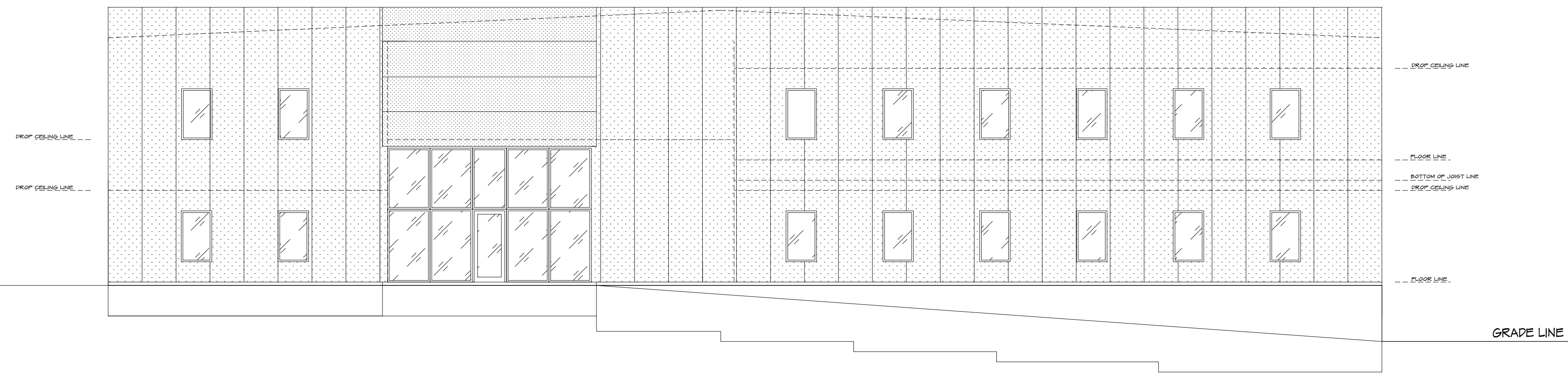
- ALL SHRUBS ARE TO BE MAINTAINED IN THEIR NATURAL SHAPE TO ALLOW EVENTUAL GROWTH INTO A HEDGE.
- MAINTAIN NATURAL HABIT OF ALL SPECIFIED PLANT MATERIAL.
- NEW SOD TO BE THOROUGHLY WATERED UNTIL ROOTS "TAKE HOLD" OF SOD BED. CONTINUE WATERING AS REQUIRED, UNTIL COMPLETELY ESTABLISHED.

IRRIGATION PERFORMANCE SPECIFICATION:

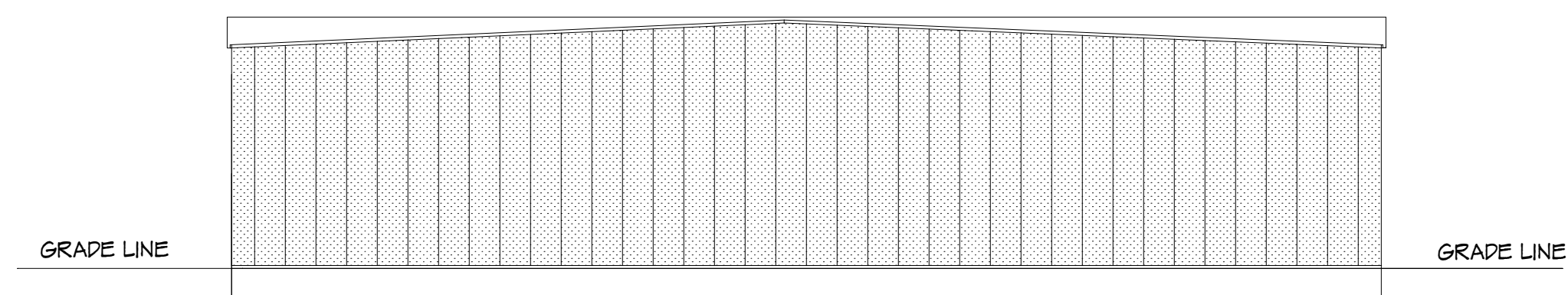
THE FOLLOWING CRITERIA SHALL BE CONSIDERED MINIMUM STANDARDS FOR DESIGN AND INSTALLATION OF LANDSCAPE IRRIGATION SYSTEM:

- 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

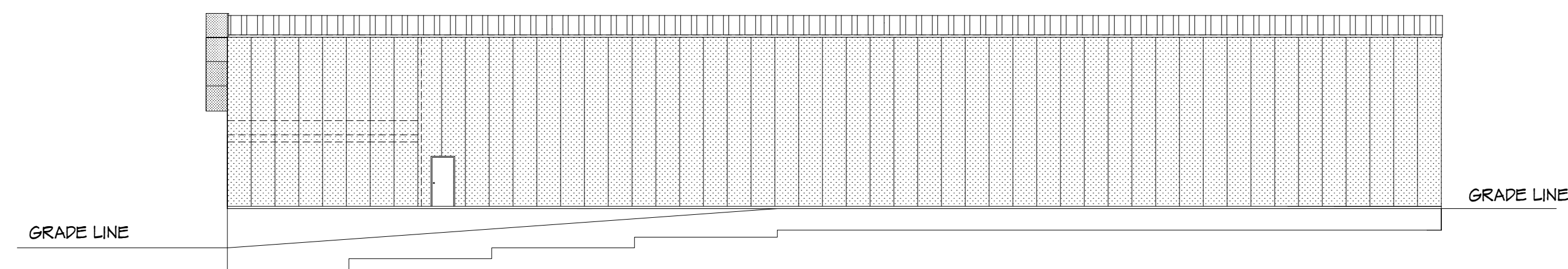
SUBMIT AS-BUILT DRAWING IN FULL SIZE DRAWING FORM AS WELL AS PDF ELECTRONIC FORMAT. (SCANNING FULL SIZE COPY OF PLAN IS ACCEPTABLE IF IT CAN BE PRINTED TO SCALE.)



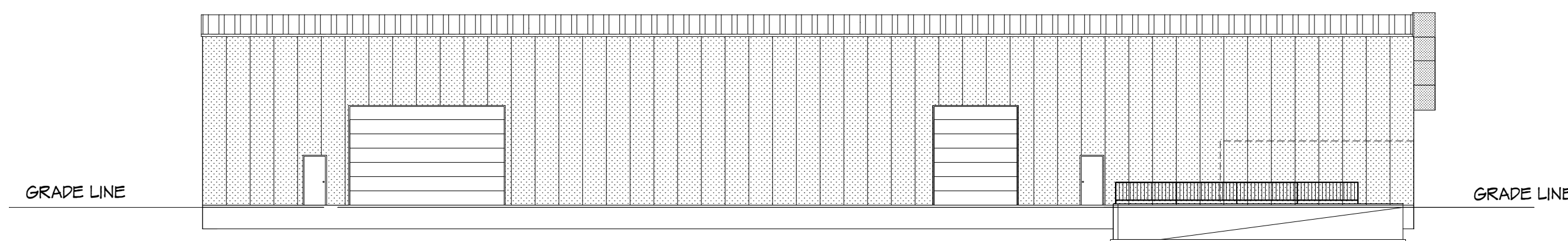
FRONT ELEVATION
1/8" = 1'-0"



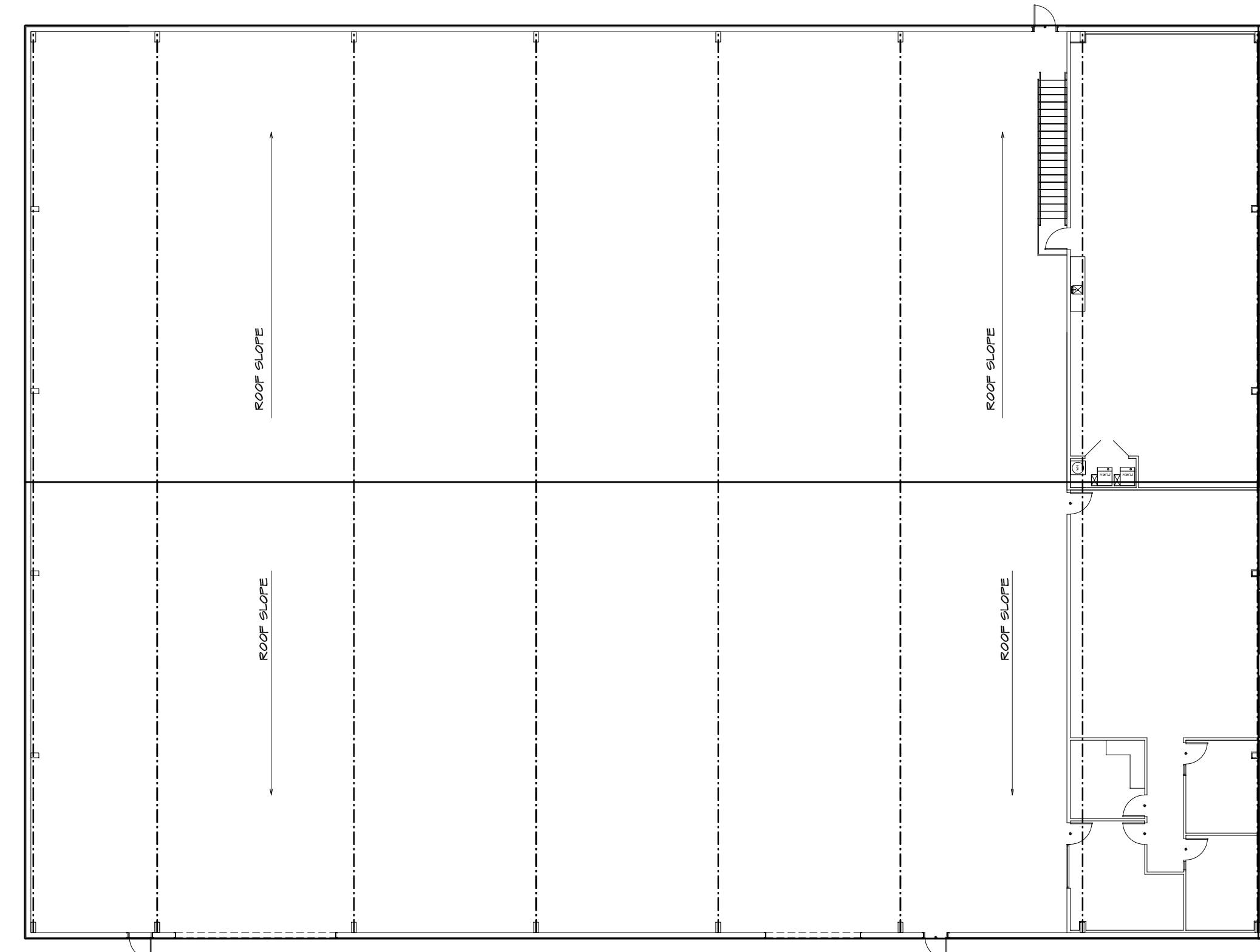
REAR ELEVATION
1/16" = 1'-0"



RIGHT ELEVATION
1/16" = 1'-0"



LEFT ELEVATION
1/16" = 1'-0"

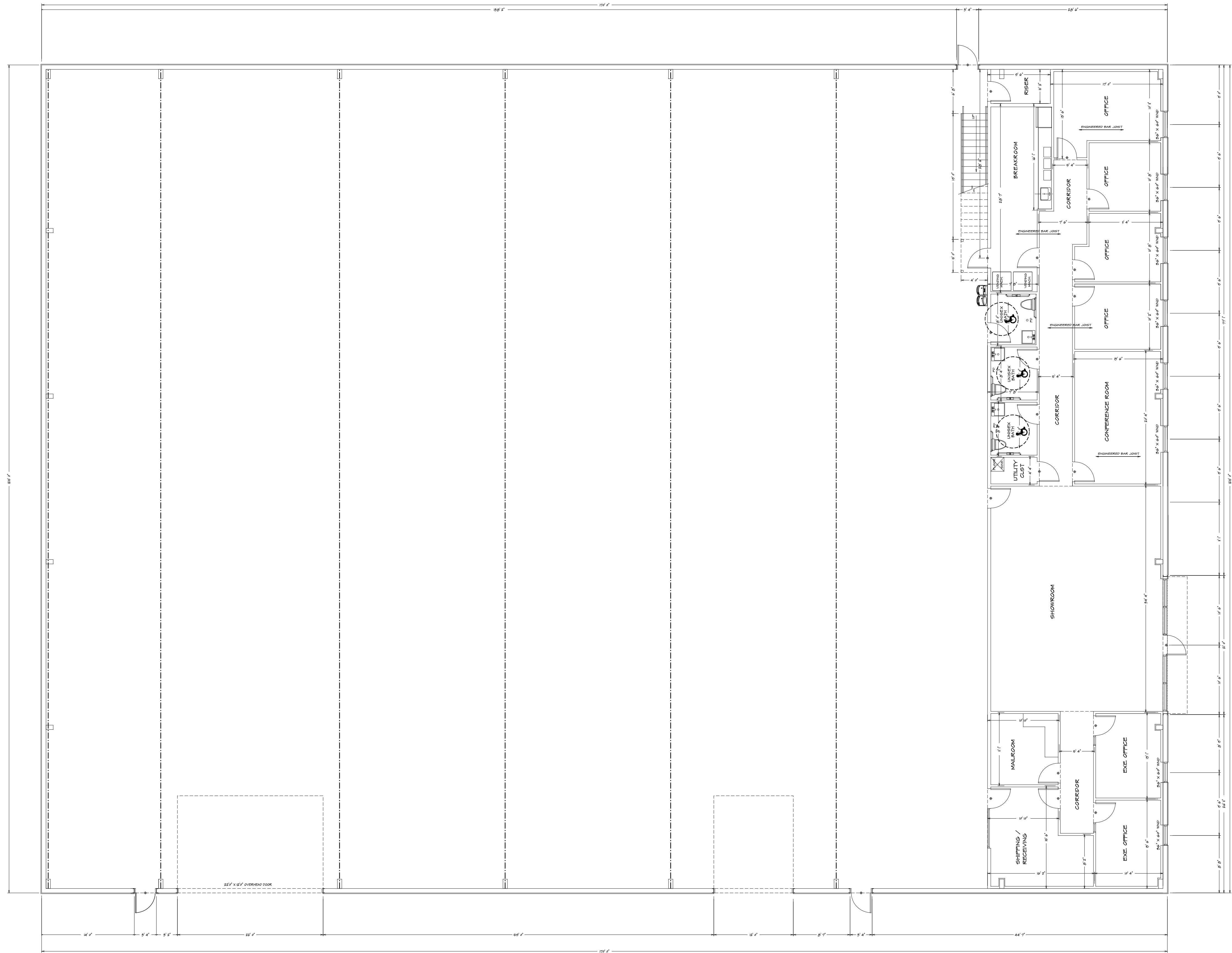


ROOF ELEVATION
1/16" = 1'-0"

COPE NOTES	GENERAL NOTES	LOCATION PLAN / KEY PLAN
<p>ALL CONSTRUCTION FOR THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES UNLESS OTHERWISE NOTED:</p> <p>IFBSP INTERNATIONAL BUILDING CODE IFBSP INTERNATIONAL MECHANICAL CODE IFBSP INTERNATIONAL PLUMBING CODE IFBSP INTERNATIONAL FIRE AND SMOKE CODE IFBSP INTERNATIONAL ELECTRICAL CODE IFBSP INTERNATIONAL ACCESSIBLE AND UNIVERSAL BUILDING ACT FACILITIES GUIDE DEVELOPMENT ORDINANCE IFBSP AMERICAN WITH DISABILITIES ACT IFBSP OCCUPANCY CLASSIFICATION (IFBSP) GROUP S-1 (IFBSP) S-1000'S</p> <p>TYPE OF CONSTRUCTION (IBC RATED TYPE) V-8</p> <p>INTERIOR FINISHES (SYSTEM) V-1/A</p> <p>TERMINAL AREA - OPENING: ROOF SLOPE AREA</p> <p>ROOFING: PER PLAN 1-800</p> <p>ITEMS: REFER TO SHEET</p> <p>OCCUPANT LOAD (TABLE 104.2): OFFICE: 100 PER 100 WATERLOO: 10 PER 100</p> <p>FLOORING REQUIREMENTS (TABLE 1001): OFFICE: 10 PER 100 WATERLOO: 10 PER 100</p> <p>USE GROUP: WATERLOO: 10 PER 100 OFFICE: 10 PER 100</p> <p>USE GROUP: WATERLOO: 10 PER 100 OFFICE: 10 PER 100</p> <p>BRACK POSITION: PER IBC 1001</p>	<ol style="list-style-type: none"> ALL DIMENSIONS SHOWN TO THESE WALLS UNLESS OTHERWISE NOTED CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS IN THE FIELD AND REPORT THE DISCREPANCY TO THE ARCHITECT BEFORE PROCEEDING PROVIDER IS RESPONSIBLE FOR ALL VALLS AS REQUIRED FOR SUPPORT CONTRACTOR TO DESIGN, COORDINATE, INSTALL, ETC. ALL CASEWORK, ALLOWING WITH OWNER COORDINATE ALL FINAL, OBJECT WALLS AND DOOR LOCATIONS W/ OWNER BEFORE CONSTRUCTION COORDINATE ALL FINISHES WITH OWNER PROVIDE FIRE RATED PARTITION AS REQUIRED BY PERMITS FIELD VERIFY ALL DIMENSIONS AND PERMITS CONTRACTOR TO COORDINATE W/ OWNER ON ALL ITEMS SUPPLIED AND APPROVED BY CONTRACTOR WORK NEW WALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMITS AND BUILDING CODES PER IBC 1001.2.2 (SYSTEM BOUNDARY WALL SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH OTHER APPROPRIATE CODES) WALL COVERING IS PROVIDED BY OTHER TO HAVE THE SAME UNDERMINED SURFACE TO A HEIGHT NOT LOWER THAN 8" OFF 	



DATE DRAWN:	DATE REVISED:	DESIGNER:	DATE DRAWN:	DATE REVISED:	DESIGNER:	PLAN NO.	SHEET NO.
						CON-899	1
PHONE:	PHONE:	LOT NO.	BUILDER:	SUB-DIVISION:	FILE NAME:	APPROX. SQFT.	
					899.DWG	899.SQFT.	

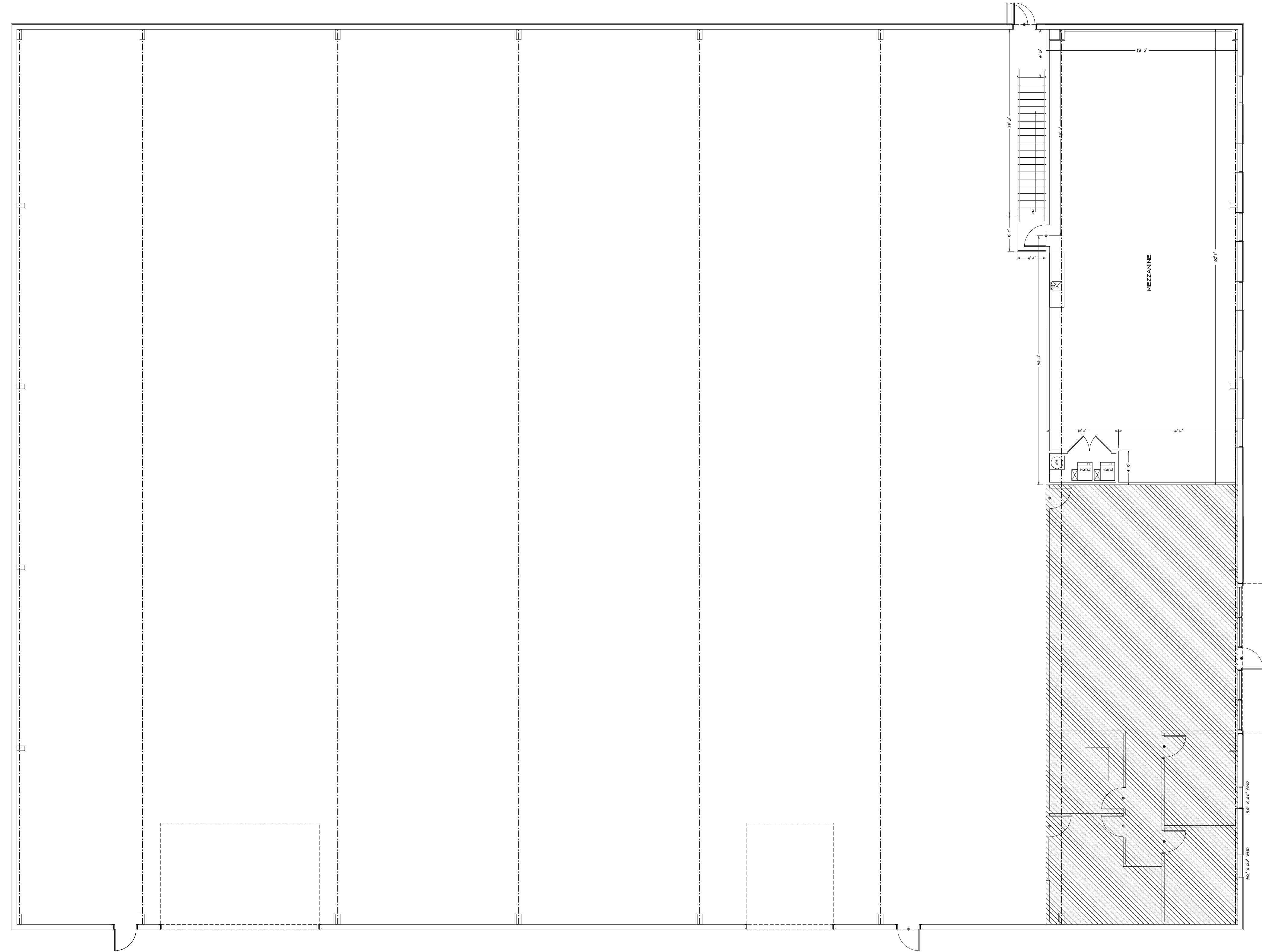


FIRST FLOOR
1/8" = 1'-0"

HANDICAP TOILET RM. ELEVATIONS	GENERAL NOTES	MECH / ELEC / PLUMB. NOTES
<p>GENERAL LAYOUT</p> <p>NOTES:</p> <ul style="list-style-type: none"> 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND THE 2018 INTERNATIONAL PLUMBING AND MECHANICAL CODE (IMC). 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL ELECTRICAL CODE (IEC). 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL FIRE AND CODE ENFORCEMENT CODE (IFC). 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC). 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL SMOKE ALARM CODE (ISAC). 6. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL SIGNAGE CODE (ISC). 7. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL VIDEO DISPLAY TERMINAL CODE (IVDTC). 8. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL WELLNESS BUILDING INSTITUTE (WBBI) CODE. 9. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL WELLNESS BUILDING INSTITUTE (WBBI) CODE. 10. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL WELLNESS BUILDING INSTITUTE (WBBI) CODE. 	<ol style="list-style-type: none"> 1. THE EXTENSION OF THE MECH, ELEC, AND PLUMBING SYSTEMS SHALL BE ON A DESIGN-BUILD BASIS BY THE GENERAL CONTRACTOR. 2. CONTRACTOR TO INSTALL COMMERCIAL GRADE ELEC. OUTLETS, SWITCHES, PLUMB. FIXTURES ETC. COORDINATE ALL OUTLET LOCATIONS WITH PLAN. 3. HVAC AND FIXTURES TO BE DESIGNED BY OTHERS. 4. ALL ELECTRICAL WORK SHALL COMPLY WITH NEC AND ALL APPLICABLE CODES. 5. ALL WIRING SHALL BE IN RIGID CONDUIT OR MC CABLE, UNLESS WHERE SHOWN OTHERWISE. CONDUIT SHALL BE 1/2" RIGID CONDUIT UNLESS SHOWN OTHERWISE. 6. ELECTRICAL PANELS IN 240V AMP OR VOLTAGE SHALL BE 1/2" MINIMUM THICKNESS AND 1/2" MINIMUM CLEARANCE FROM WALLS. 7. PROVIDE EXIST SIGNS AND OVERHEAD LIGHTS TO BE IN ACCORDANCE WITH ALL CODES AND REGULATIONS. 	<ol style="list-style-type: none"> 1. THE EXTENSION OF THE MECH, ELEC, AND PLUMBING SYSTEMS SHALL BE ON A DESIGN-BUILD BASIS BY THE GENERAL CONTRACTOR. 2. CONTRACTOR TO INSTALL COMMERCIAL GRADE ELEC. OUTLETS, SWITCHES, PLUMB. FIXTURES ETC. COORDINATE ALL OUTLET LOCATIONS WITH PLAN. 3. HVAC AND FIXTURES TO BE DESIGNED BY OTHERS. 4. ALL ELECTRICAL WORK SHALL COMPLY WITH NEC AND ALL APPLICABLE CODES. 5. ALL WIRING SHALL BE IN RIGID CONDUIT OR MC CABLE, UNLESS WHERE SHOWN OTHERWISE. CONDUIT SHALL BE 1/2" RIGID CONDUIT UNLESS SHOWN OTHERWISE. 6. ELECTRICAL PANELS IN 240V AMP OR VOLTAGE SHALL BE 1/2" MINIMUM THICKNESS AND 1/2" MINIMUM CLEARANCE FROM WALLS. 7. PROVIDE EXIST SIGNS AND OVERHEAD LIGHTS TO BE IN ACCORDANCE WITH ALL CODES AND REGULATIONS.



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SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQFT:
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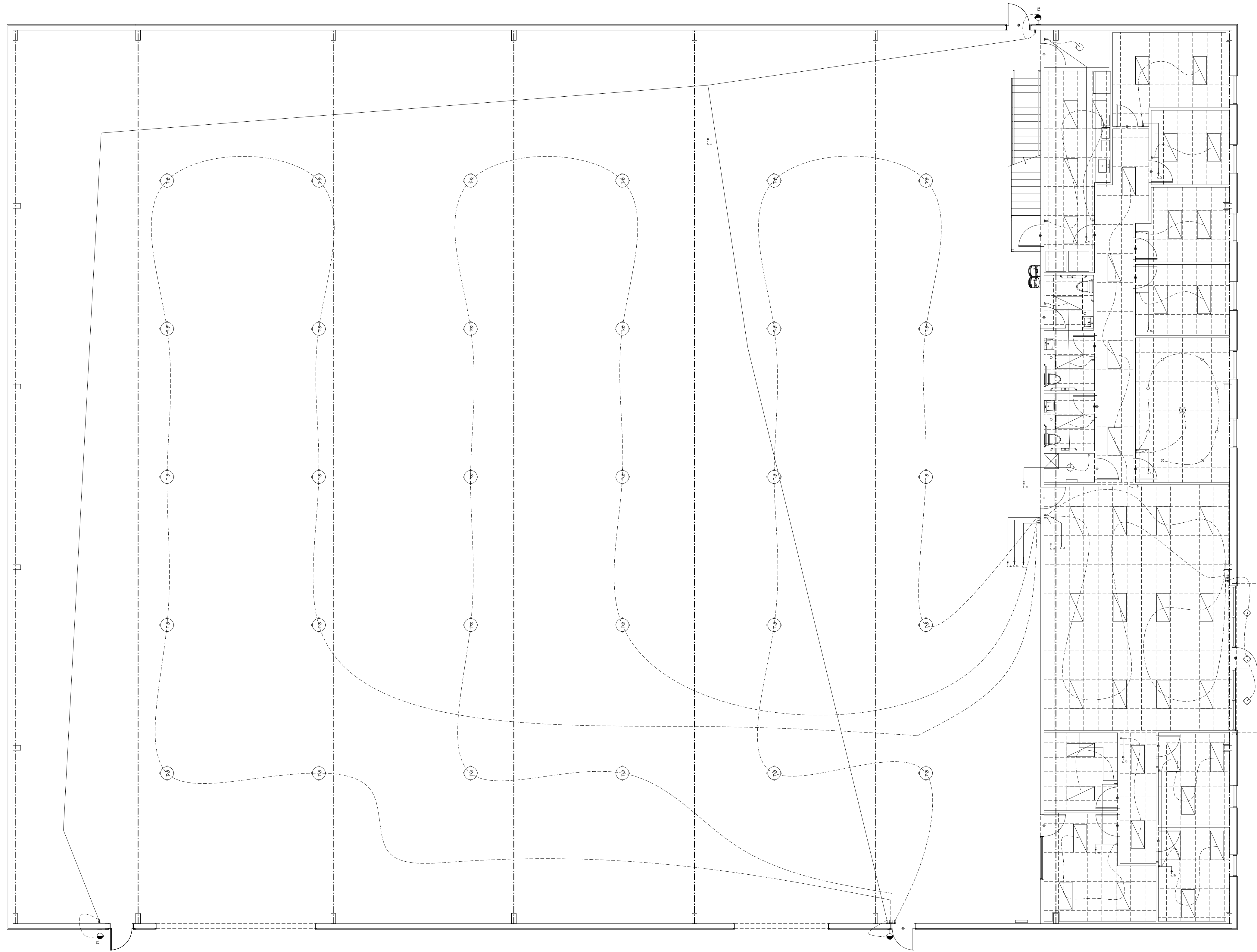


SECOND FLOOR
1/8" = 1'-0"

CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL SYSTEMS, AND ALL OTHER SERVICES, BEFORE CONSTRUCTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS AND COORDINATIONS OF ALL STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL SYSTEMS, AND ALL OTHER SERVICES, BEFORE CONSTRUCTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS AND COORDINATIONS OF ALL STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL SYSTEMS, AND ALL OTHER SERVICES, BEFORE CONSTRUCTION.

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
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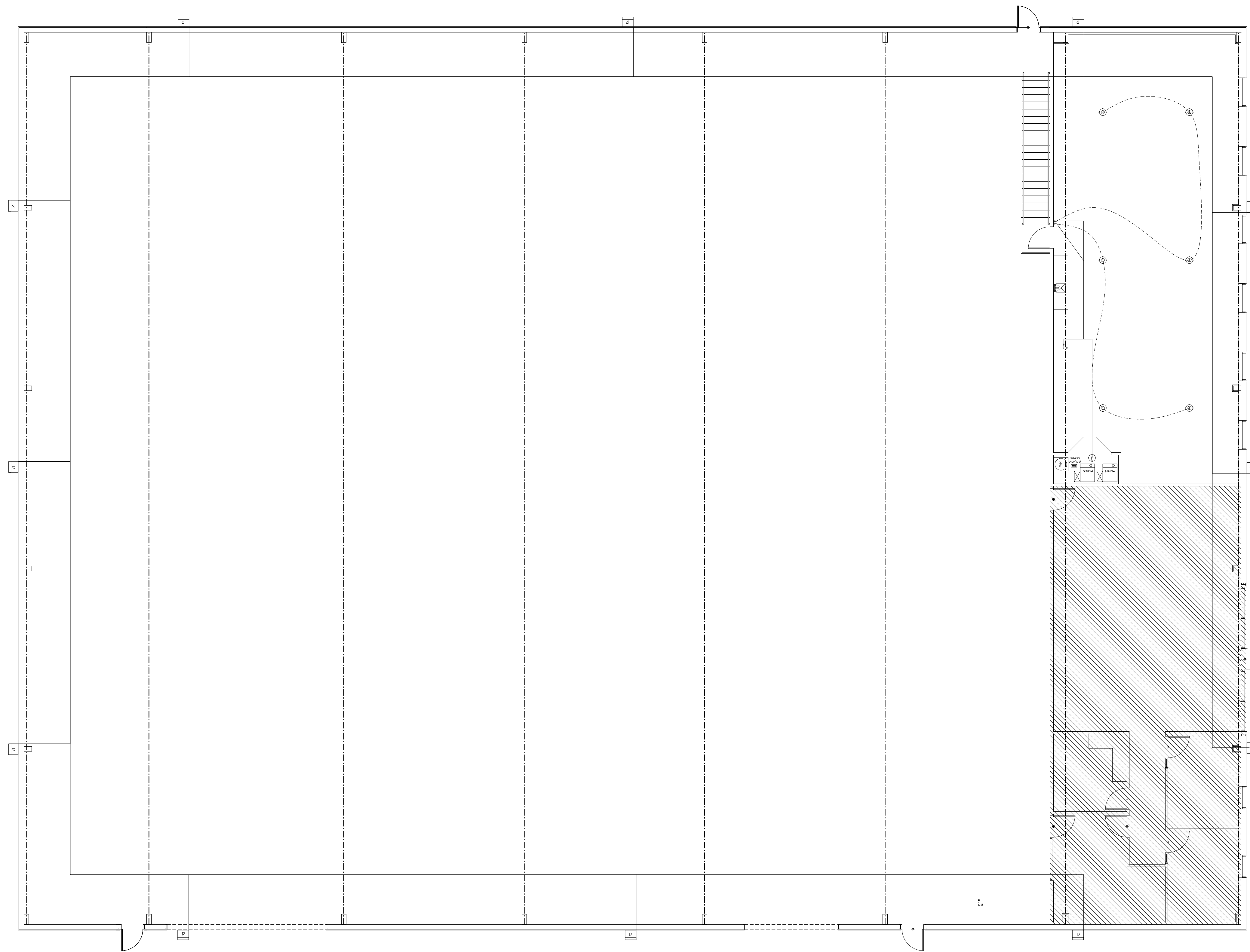


LOWER LEVEL LIGHTING PLAN
 1/8" = 10'

THESE PLANS ARE PREPARED BY THE ARCHITECT FOR THE CLIENT'S USE ONLY. THE ARCHITECT ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS IN THESE PLANS. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING AS SHOWN ON THESE PLANS. THE ARCHITECT DOES NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF ANY INFORMATION PROVIDED BY OTHER PROFESSIONALS OR FOR THE PERFORMANCE OF ANY WORK NOT SHOWN ON THESE PLANS. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING AS SHOWN ON THESE PLANS.

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	CON-8999	6
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX SQ.FT.:
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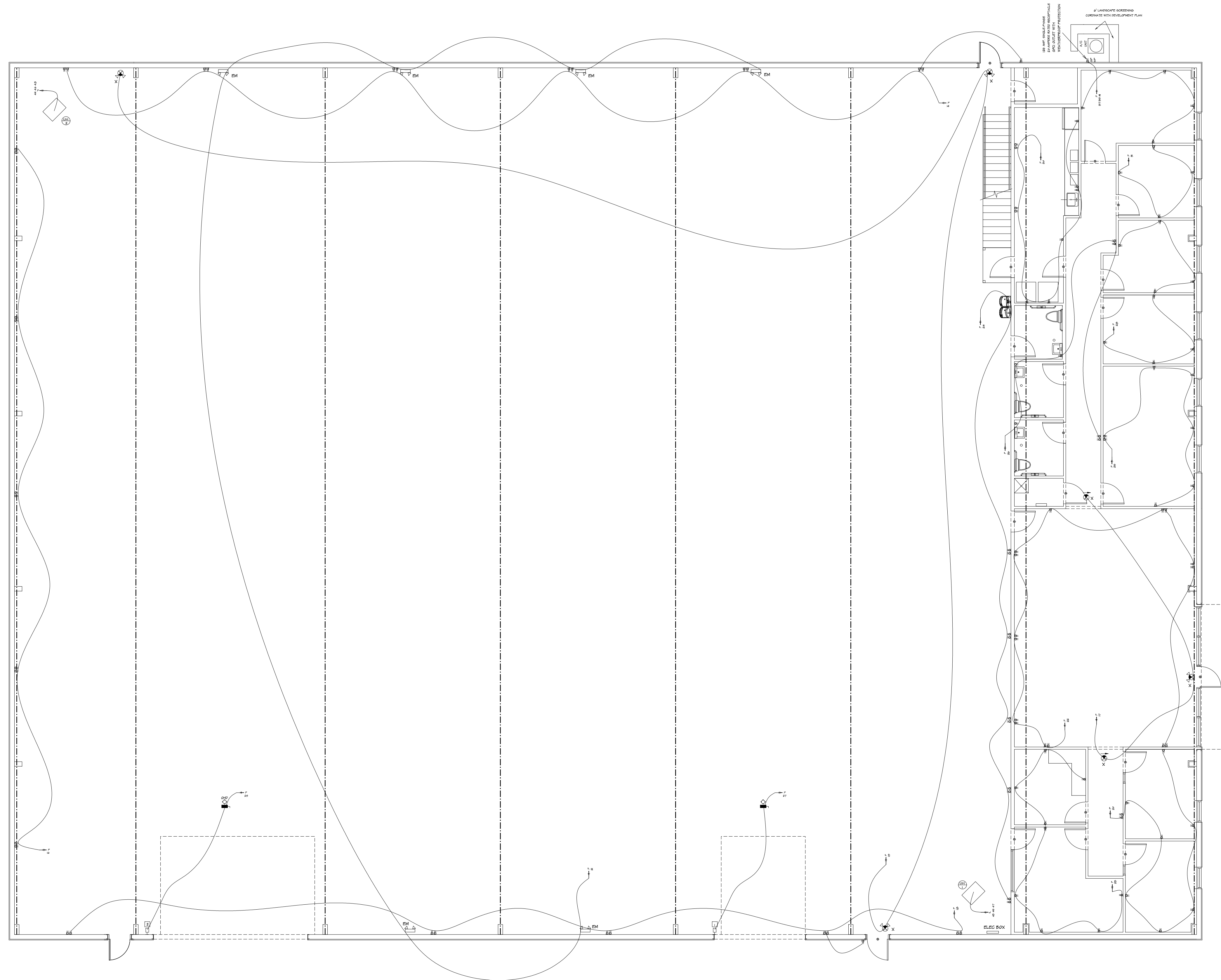


UPPER LEVEL LIGHTING PLAN
 1/8" = 1'-0"

THESE PLANS ARE PREPARED BY THE ARCHITECT OR ENGINEER IN CONNECTION WITH THE CONTRACT BETWEEN THE ARCHITECT OR ENGINEER AND THE CLIENT. THE ARCHITECT OR ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE ARCHITECT OR ENGINEER. THE ARCHITECT OR ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE ARCHITECT OR ENGINEER. THE ARCHITECT OR ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE ARCHITECT OR ENGINEER.

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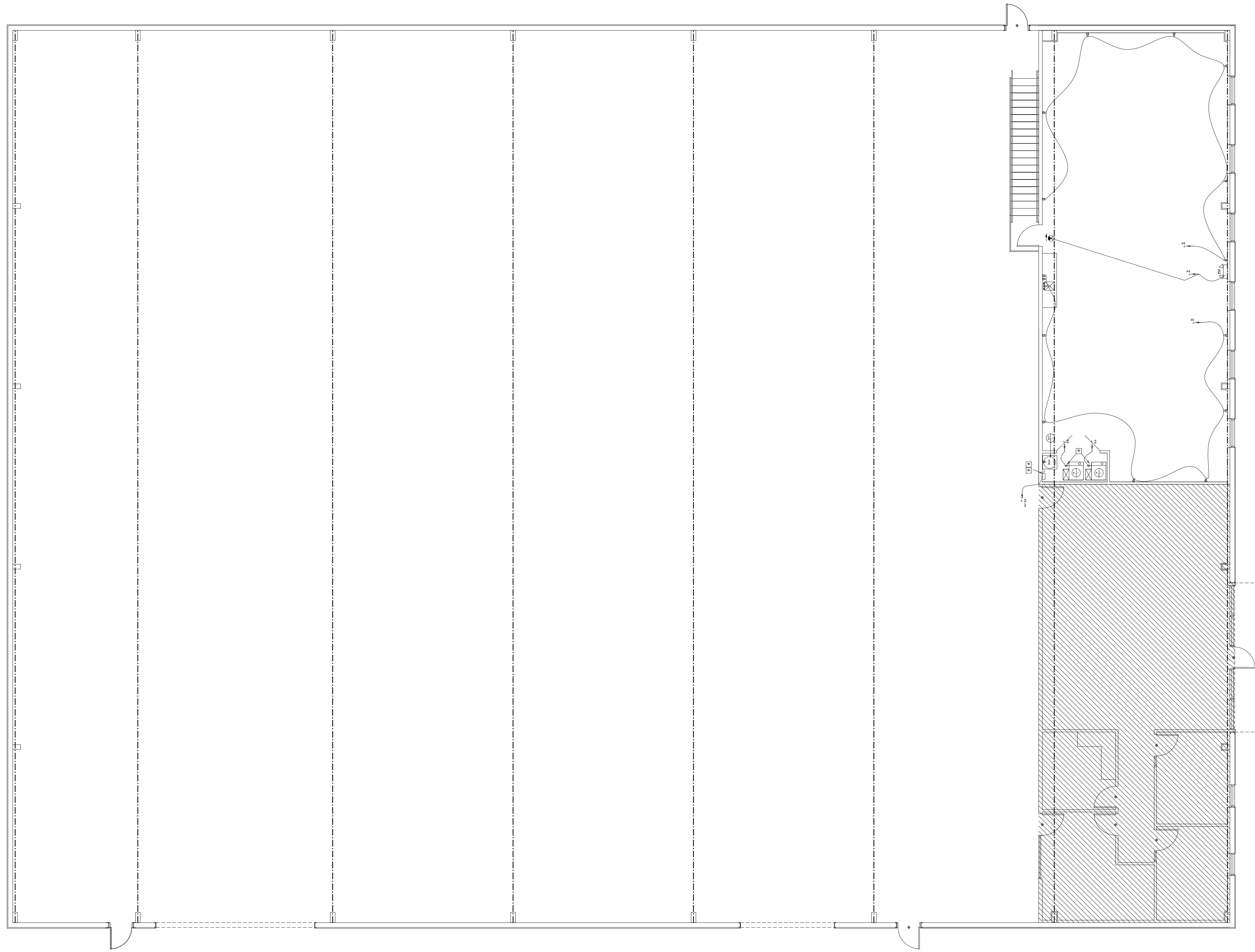


LOWER LEVEL POWER PLAN
 1/8" = 10'

THESE DRAWINGS ARE PREPARED BY THE ARCHITECT OR ENGINEER AND ARE NOT TO BE USED FOR CONSTRUCTION WITHOUT THE ARCHITECT'S OR ENGINEER'S PERMISSION. THE ARCHITECT OR ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE ARCHITECT OR ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE ARCHITECT OR ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE ARCHITECT OR ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED HEREON.



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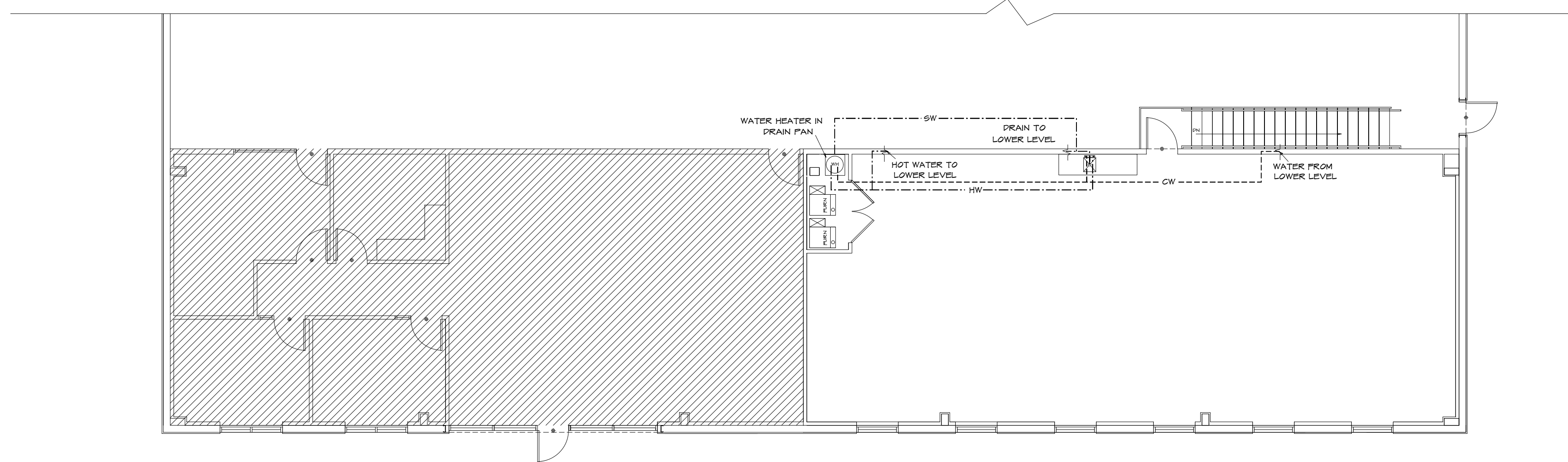


UPPER LEVEL POWER PLAN
 1/8" = 1'-0"

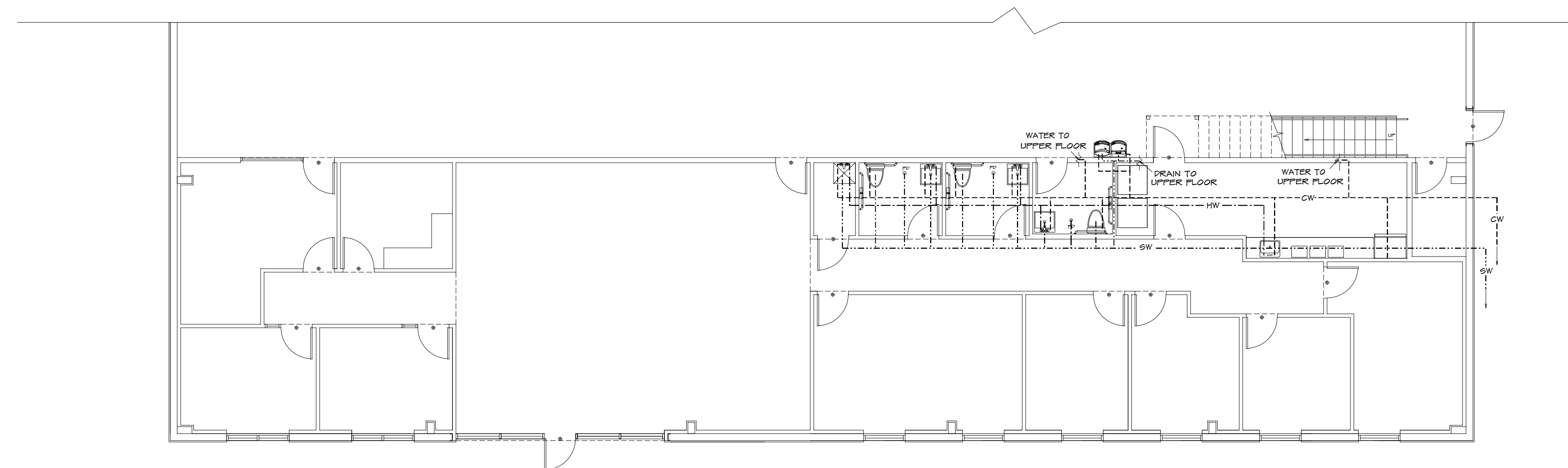
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND LOCATIONS OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, ELECTRICAL, MECHANICAL, AND PLUMBING, AND SHALL VERIFY ALL DIMENSIONS, LOCATIONS, AND DEPTHS OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.

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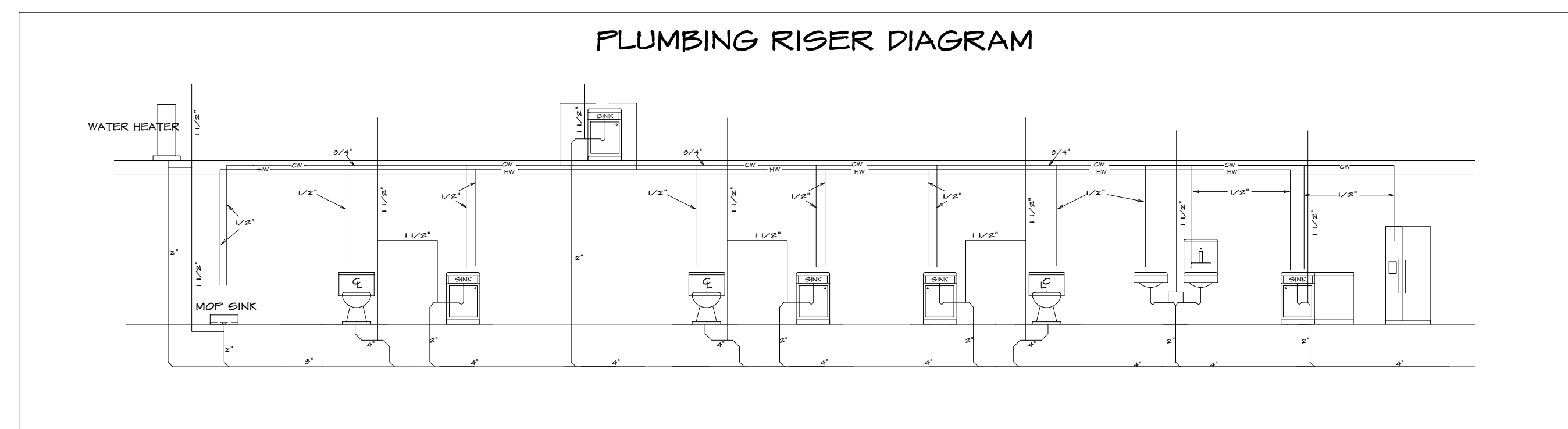




SECOND FLOOR PLUMBING
 1/8" = 1'-0"



FIRST FLOOR PLUMBING
 1/8" = 1'-0"

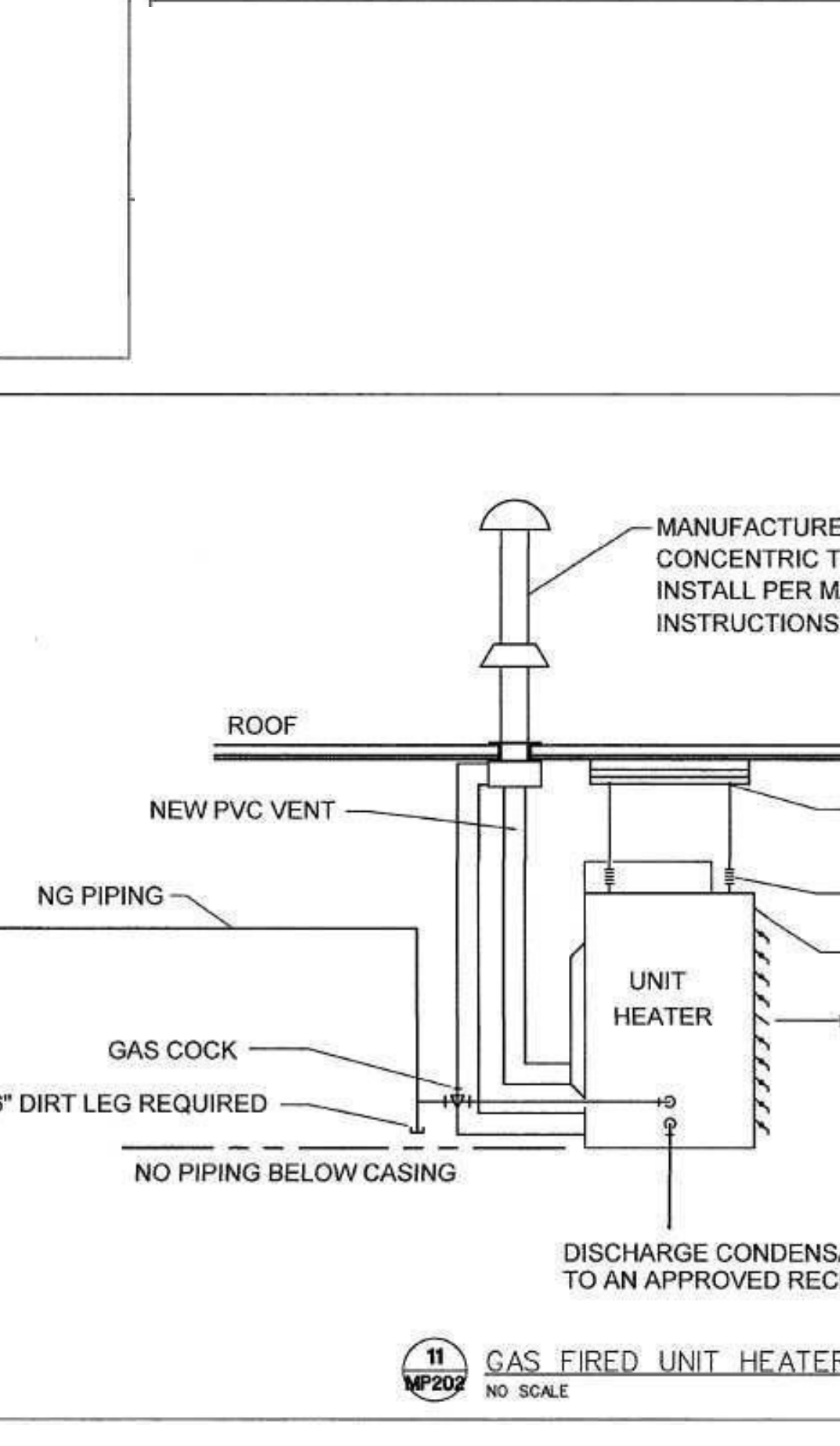
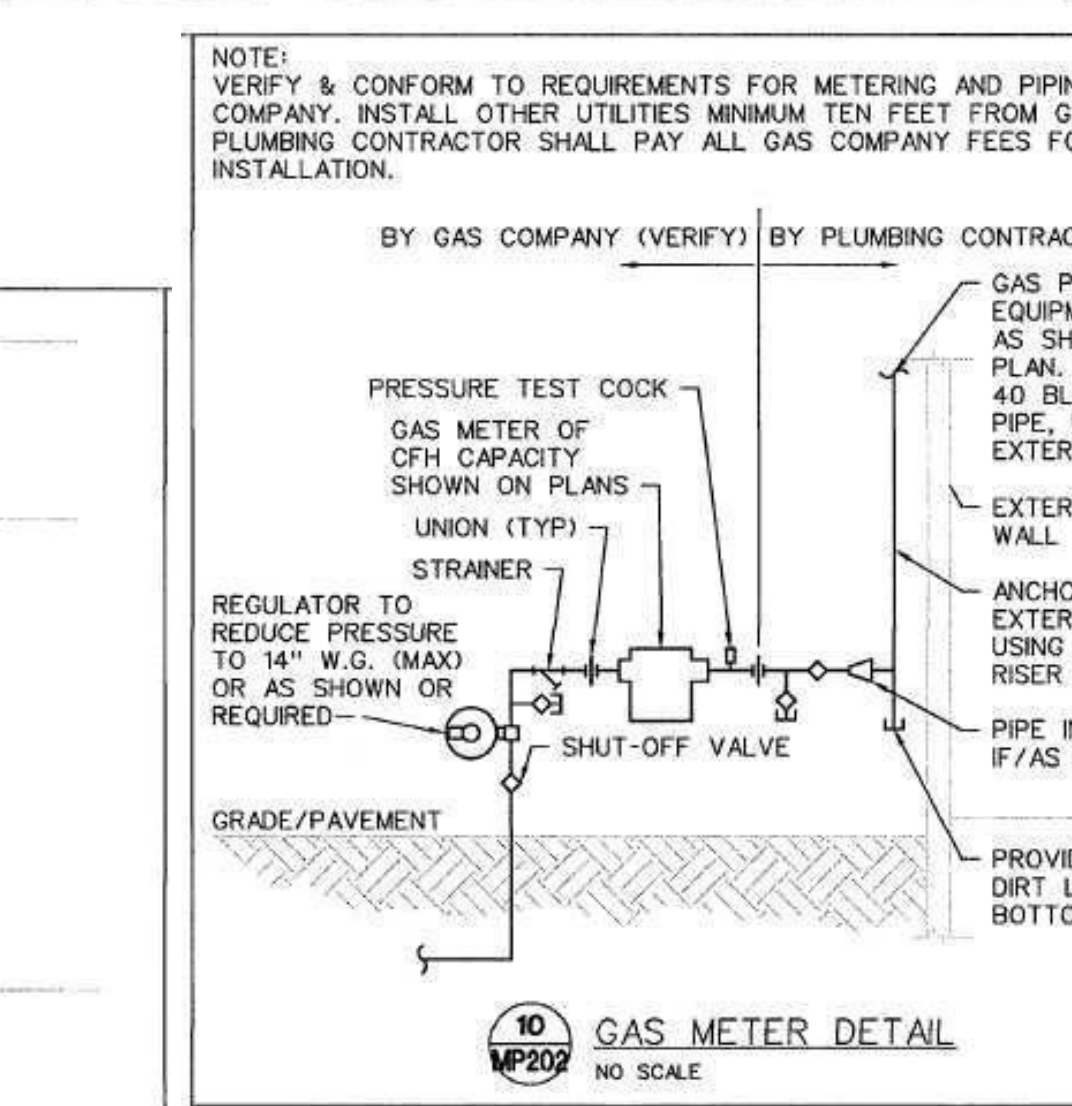
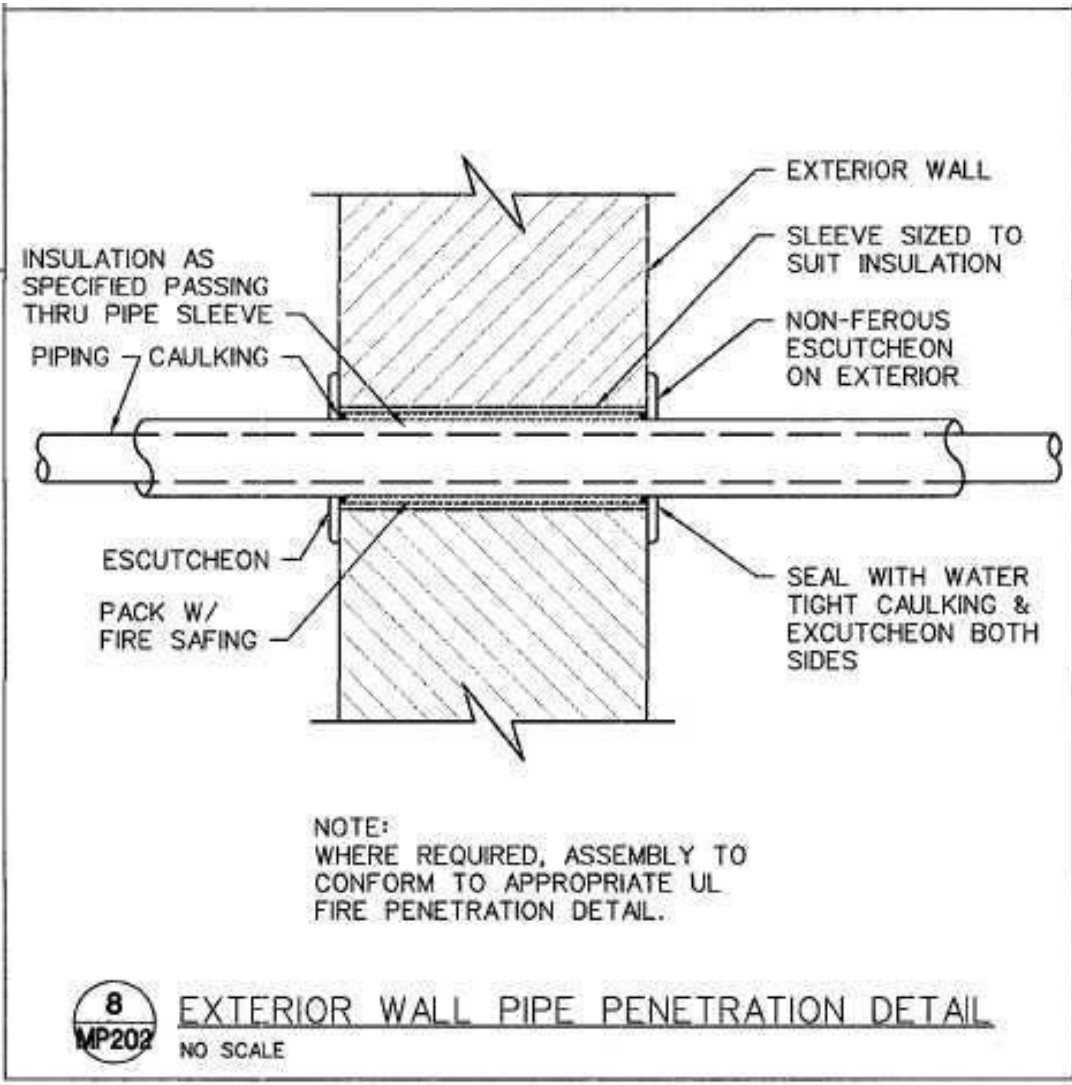
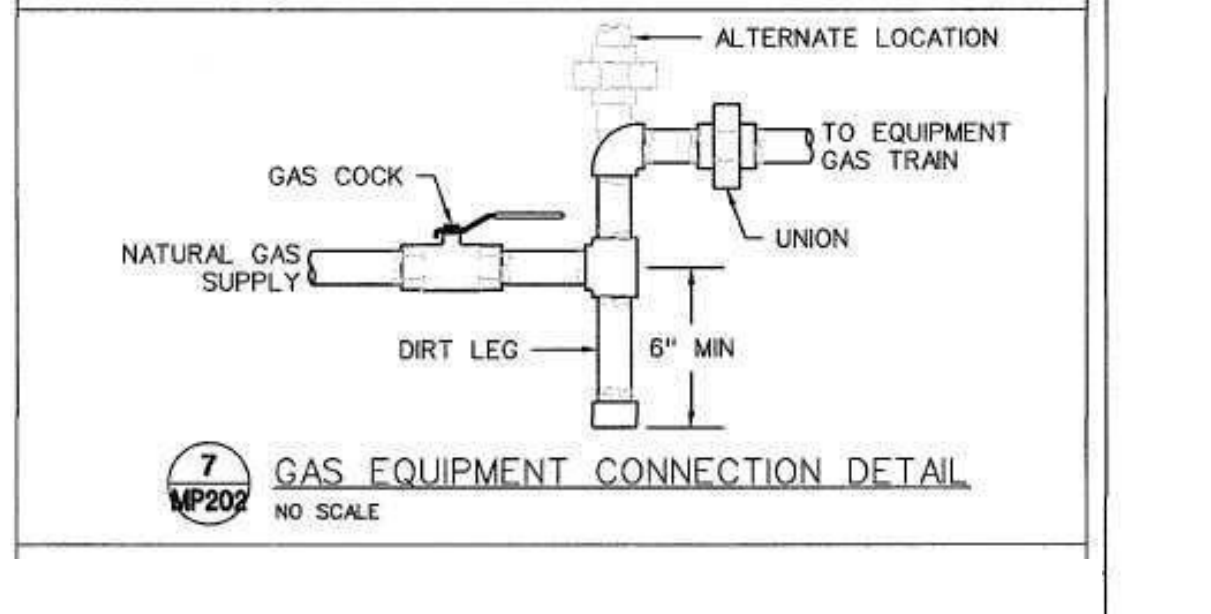
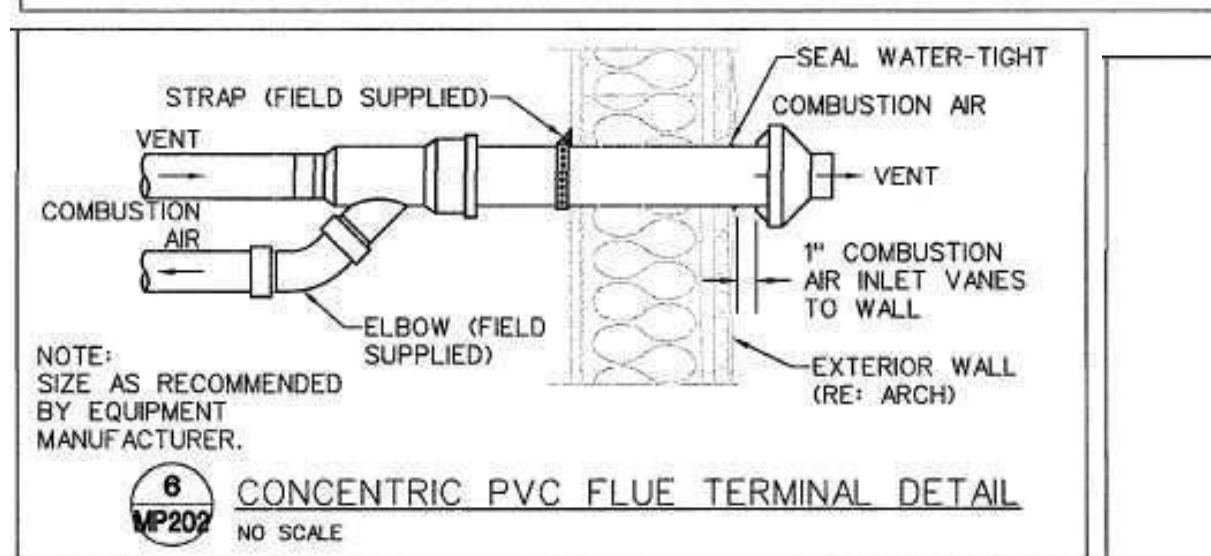
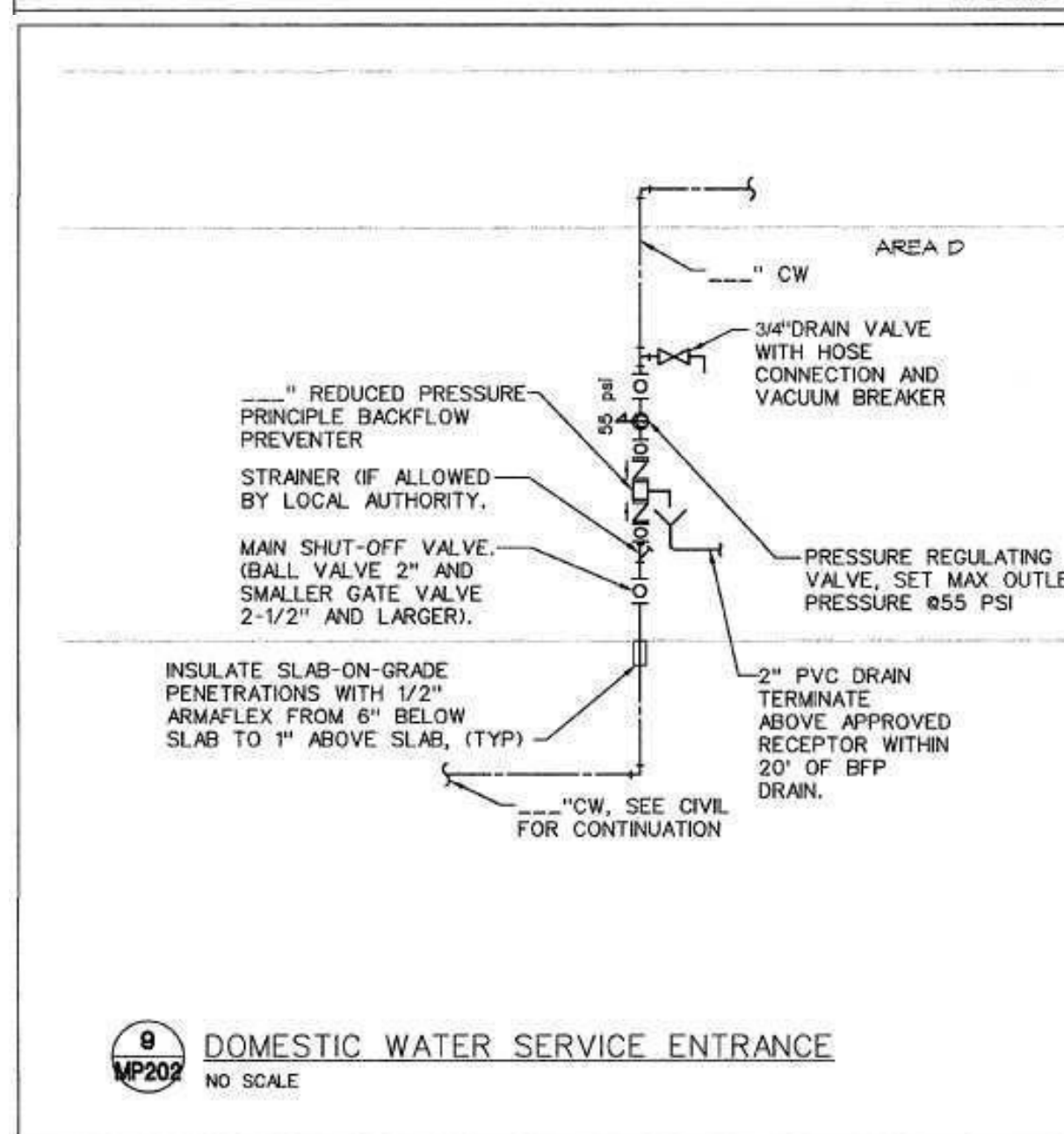
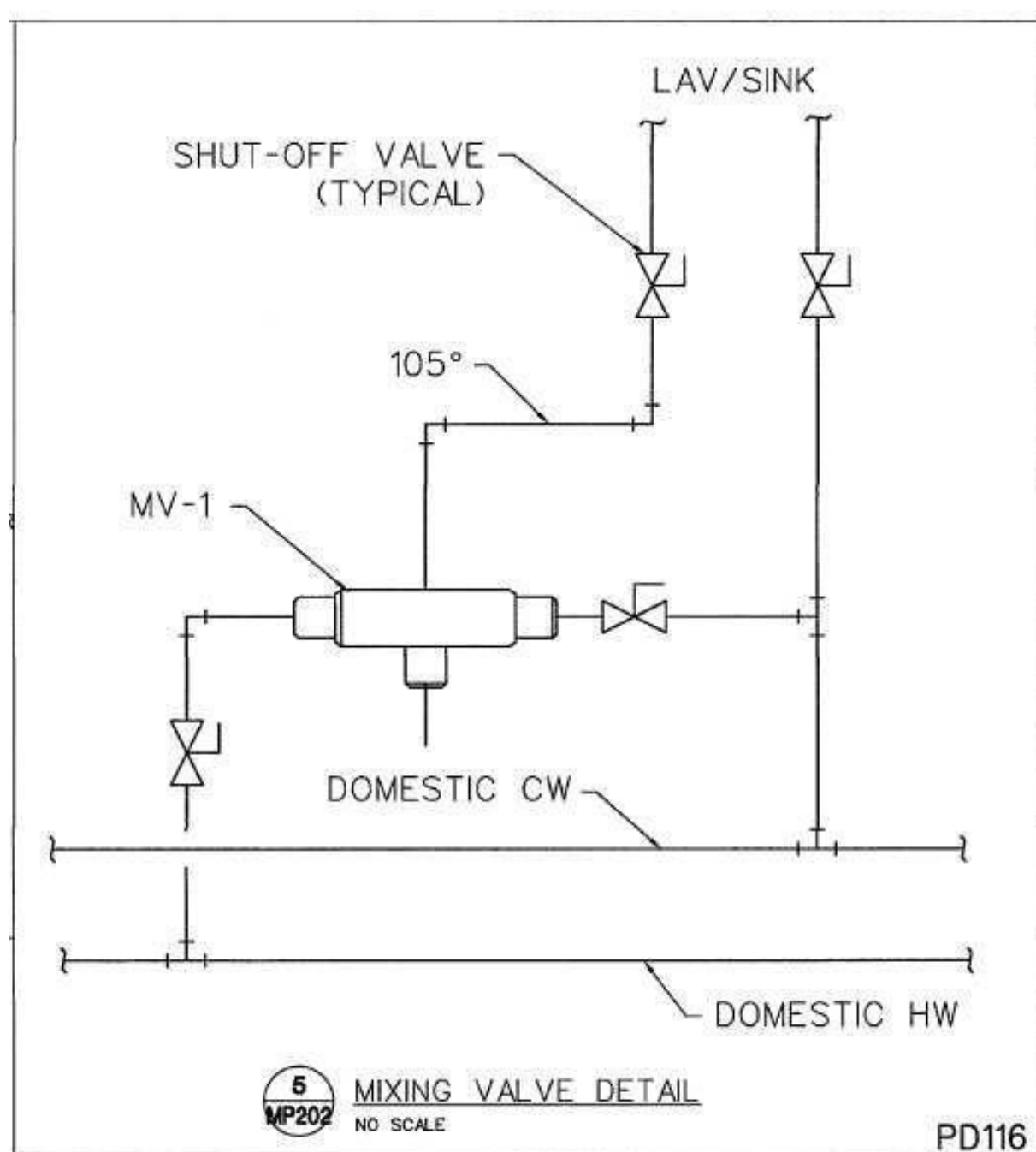
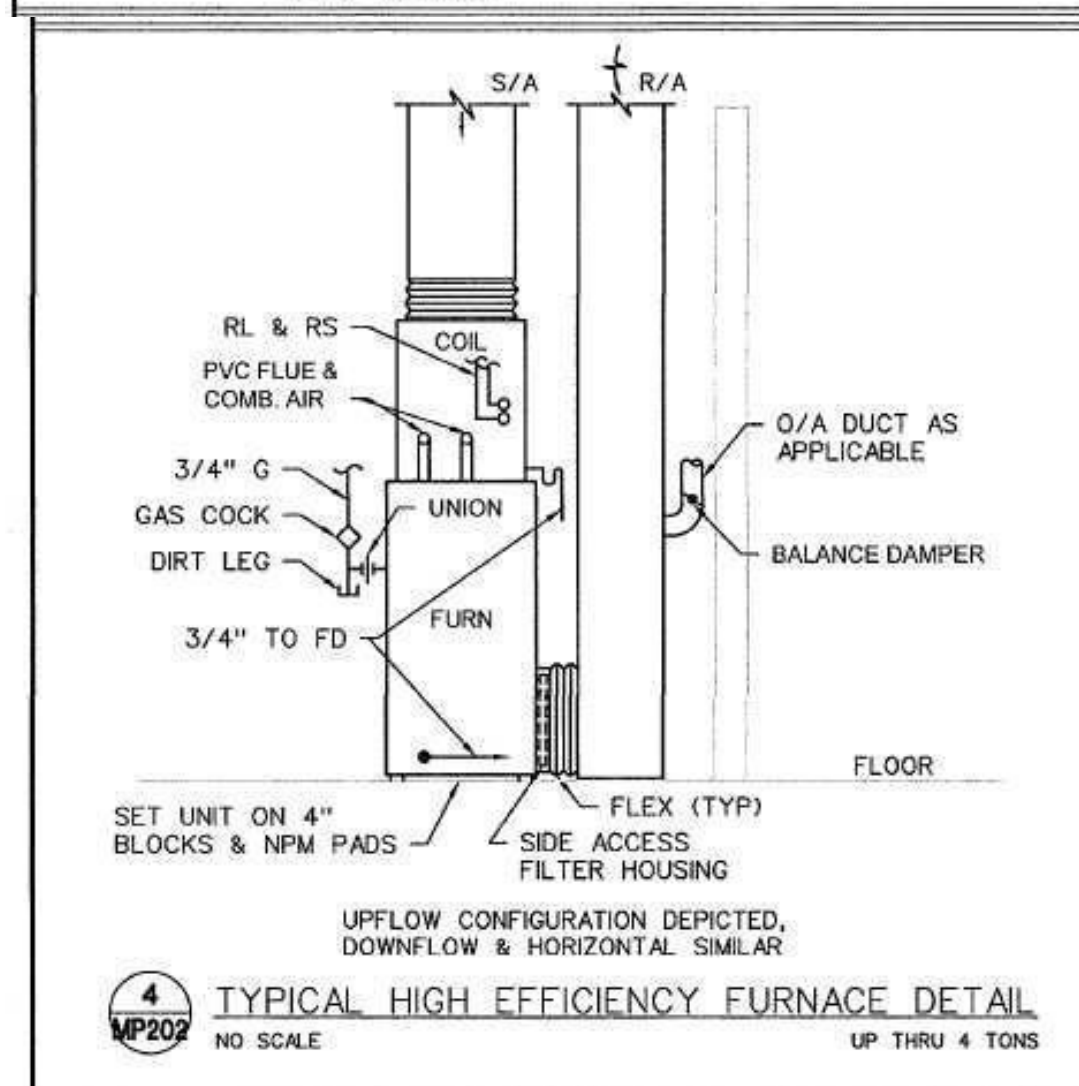
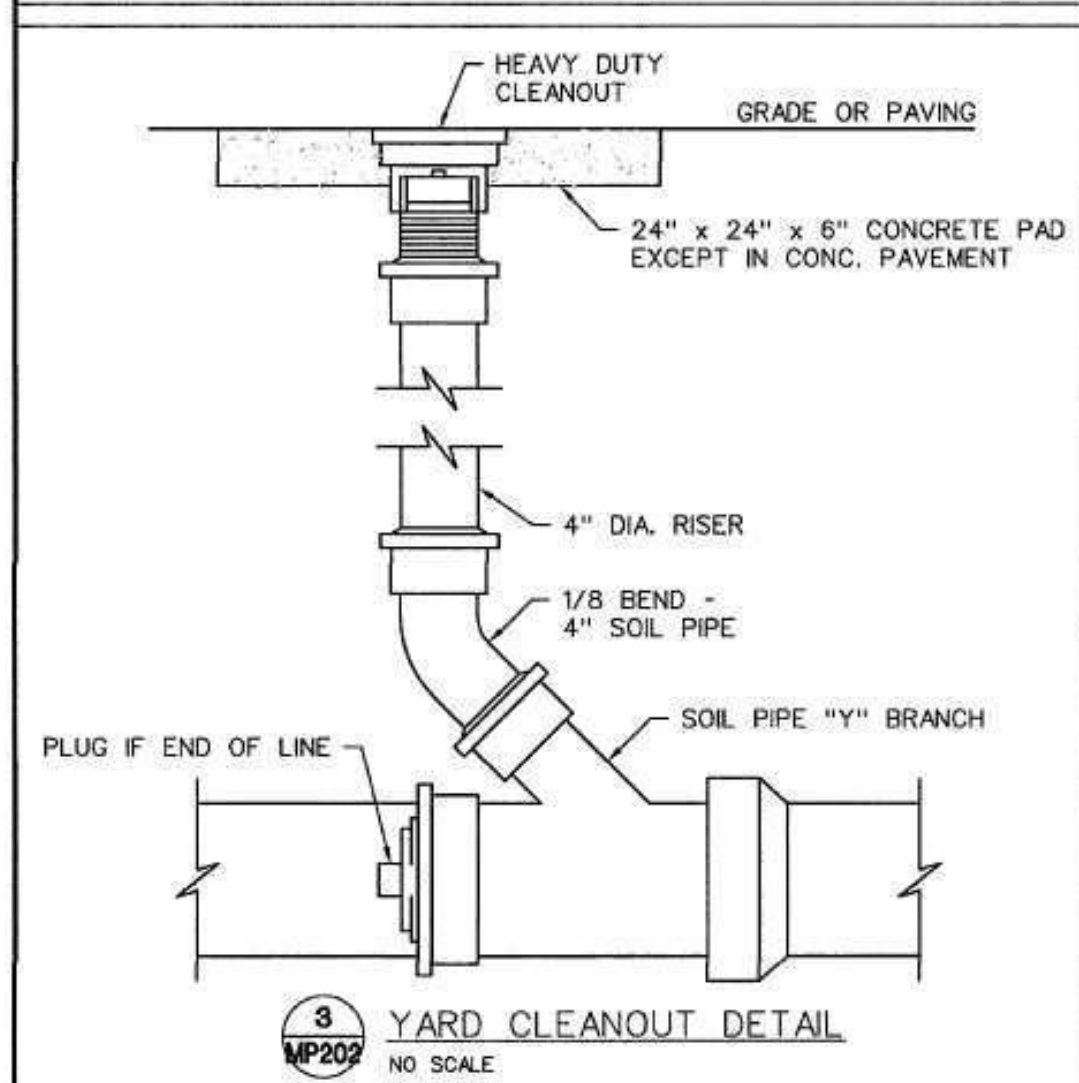
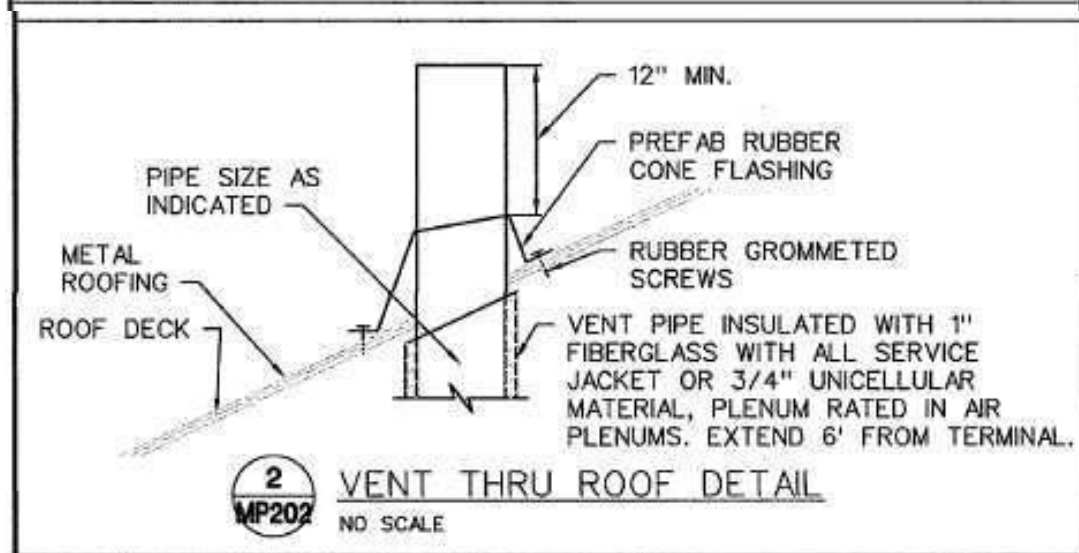
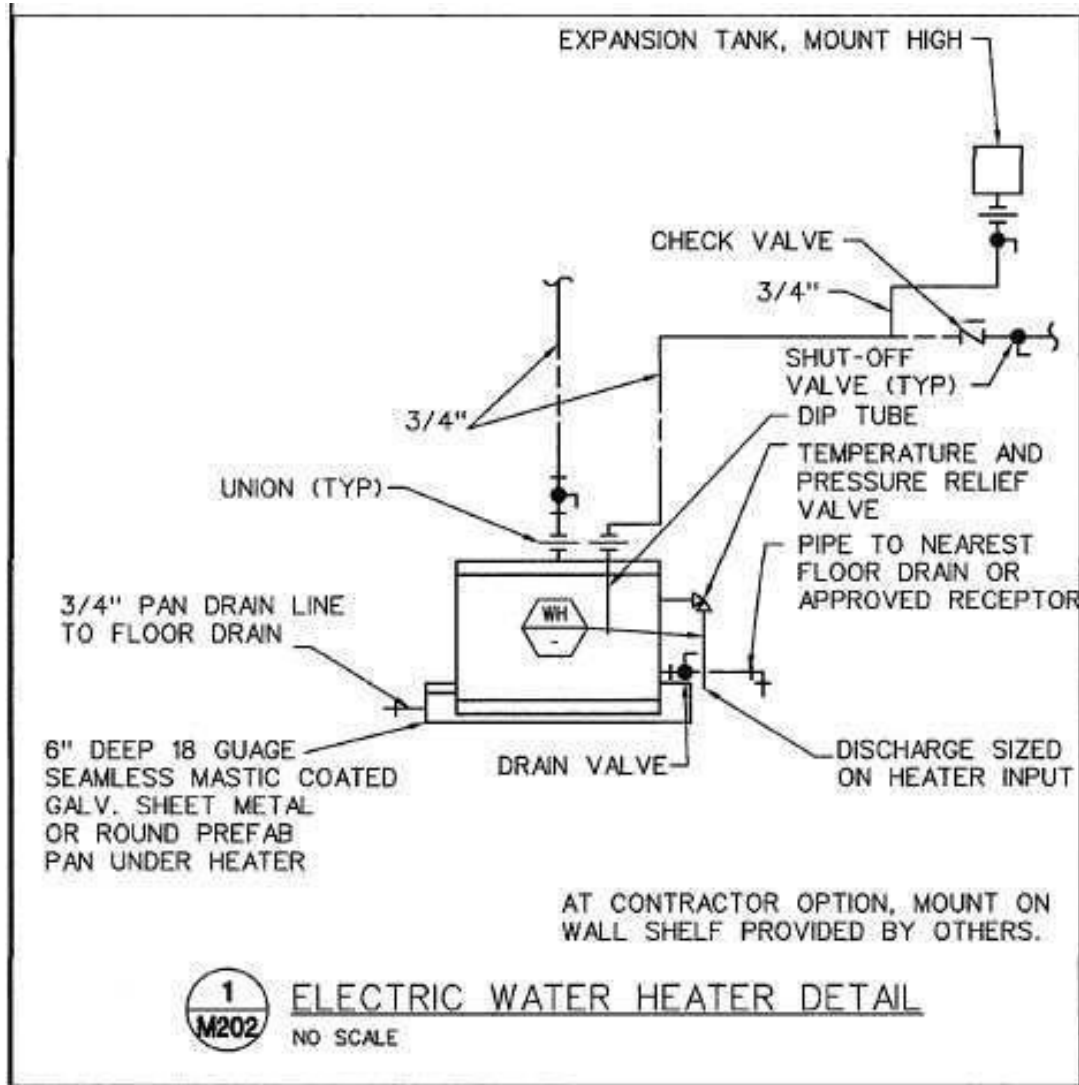


PLUMBING RISER DIAGRAM

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	CON-8999	OF
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX. SQ. FT.:
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PLUMBER/MECHANICAL ENGINEER IS RESPONSIBLE TO VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING PLUMBING AND ELECTRICAL SYSTEMS AND VERIFY ALL WORK IS DONE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS AND CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS OF THE EXISTING PLUMBING AND ELECTRICAL SYSTEMS AND VERIFY ALL WORK IS DONE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS AND CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.





605.3 Water service pipe.

Water service pipe shall conform to NSF 61 and shall conform to one of the standards listed in Table 605.3. Water service pipe or tubing, installed underground and outside of the structure, shall have a working pressure rating of not less than 160 psi (1100 kPa) at 73.4°F (23°C). Where the water pressure exceeds 160 psi (1100 kPa), piping material shall have a working pressure rating not less than the highest available pressure. Water service piping materials not third-party certified for water distribution shall terminate at or before the full open valve located at the entrance to the structure. Ductile iron water service piping shall be cement mortar lined in accordance with AWWA C104.

WATER HEATER SCHEDULE (ELECTRIC)

MARK NO.	MANUFACTURER	MODEL NO.	TYPE	ASME	TANK LINING	STORAGE (GALLONS)	RECOVERY GAL/HR	TEMP RISE °F	DISCH. SET POINT °F	KW	VOLT	#	HZ	REMARKS
1	LOCHINVAR	KSA030KD	TANK	N	GL	28	-	-	120	4.5	208	1	60	1

NOTES:
1. INSTALL IN DRAIN PAN. SEE DETAIL ON SHEET MP202.

TABLE 605.3 WATER SERVICE PIPE

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe	ASTM D 1527, ASTM D 2282
Brass pipe	ASTM B 43
Chlorinated polyvinyl chloride (CPVC) plastic pipe	ASTM D 2946; ASTM F 441; ASTM F 442; CSA B137.6
Chlorinated polyvinyl chloride/aluminumchlorinated polyvinyl chloride (CPICAL/CPVC)	ASTM F 2855
Copper or copper-alloy pipe	ASTM B 42; ASTM B 302
Copper or copper-alloy tubing (Type K, VL, L, WL, N or VM)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 447
Cross-linked polyethylene (PEX) plastic pipe and tubing	ASTM F 876; ASTM F 877; AWWA C304; CSA B137.5
Cross-linked polyethylene/aluminumcross-linked polyethylene (PEX-AL)	ASTM F 1281; ASTM F 2262; CSA B137-10
Cross-linked polyethylene/aluminumhigh-density polyethylene (PEX-AL-HP)	ASTM F 1996
Ductile iron water pipe	AWWA C151/A21.51; AWWA C115/A21.15
Galvanized steel pipe	ASTM A 53
Polyethylene (PE) plastic pipe	ASTM D 2330; ASTM D 3035; AWWA C301; CSA B137.11
Polyethylene (PE) plastic tubing	ASTM D 2737; AWWA C301; CSA B137.1
Polyethylene/aluminumpolyethylene (PE-AL-PE) pipe	ASTM F 1282; CSA B137-9
Polyethylene of raised temperature (PE-RT) plastic tubing	ASTM F 2769
Polypropylene (PP) plastic pipe or tubing	ASTM F 2389; CSA B137-11
Polyvinyl chloride (PVC) plastic pipe	ASTM D 1785; ASTM D 2241; ASTM D 2672; CSA B137.3
Stainless steel pipe (Type 304/304L)	ASTM A 312; ASTM A 778
Stainless steel pipe (Type 316/316L)	ASTM A 312; ASTM A 778

FIXTURE BRANCH SCHEDULE

FIXTURE	WASTE	VENT	COLD	HOT
Water Closet (ft)	4"	2"	1/2"	---
Water Closet (fv)	4"	2"	1"	---
Urinal	2"	1 1/2"	3/4"	---
Lavatory	2"	1 1/2"	1/2"	1/2"
Sink	2"	1 1/2"	1/2"	1/2"
Triple Sink	2"	1 1/2"	(2) 1/2"	(2) 1/2"
Shower, Tub	2"	1 1/2"	1/2"	1/2"
Water Fountain	1 1/2"	1 1/2"	1/2"	---
Janitor Sink (fr)	3"	2"	3/4"	3/4"
Janitor Sink (wall)	2"	1 1/2"	1/2"	1/2"
Floor Drain	2"	1 1/2"	---	---
Floor Sink	3"	2"	---	---
Egpt Floor Drain	3"	2"	---	---
Hub Drain	2"	1 1/2"	---	---
Dishwasher	2"	1 1/2"	---	1/2"
Washer Box	2"	1 1/2"	1/2"	1/2"
Ice Maker	---	---	1/2"	---
FPWH, HB	---	---	3/4"	---

1. Minimum waste or vent size below slab on grade shall be 2".
2. Size as shown on drawings and diagrams, but not less than listed.

PLUMBING FIXTURE SCHEDULE

- INSTALL PLUMBING FIXTURES AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S DRAWINGS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WATER-CONSERVING FIXTURES AND APPURTENANCES IF/AS REQUIRED BY LOCAL AUTHORITIES. CONFIRM ALL LOCATION AND MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS. CAULK FIXTURES TO WALL/FLOOR. SET COUNTER MOUNTED SINKS AND LAVATORIES IN A BED OF CAULK. THE SPECIFIED PLUMBING FIXTURES, OR APPROVED EQUALS, SHALL BE USED UNLESS OTHERWISE NOTED OR INDICATED.
- WATER CLOSET, TOTO #CSC744SL.01, FLOOR MOUNTED, CONSTRUCTED OF VITREOUS CHINA, MEETING ANSI A-117.1 AND ADA BARRIER-FREE REQUIREMENTS, 17" HIGH, 1.6-GALLON FLUSH, CLOSE-COUPLED TANK DESIGN WITH ELONGATED BOWL AND SIPHON JET ACTION. TANK SHALL BE VITREOUS CHINA WITH COVER, 3/8" FLEXIBLE RISER WITH LOOSE KEY ANGLE STOP VALVE, CHROME-PLATED BRASS TRIP LEVER AND MANUFACTURER'S BOLT CAPS. PROVIDE BENKE #527 WHITE ELONGATED OPEN FRONT SEAT LESS COVER, PERMA BUMPER.
- LAVATORY, TOTO #LT307.4 (20"x18"), WALL-HUNG TYPE, CONSTRUCTED OF VITREOUS CHINA, MEETING ANSI A-117.1 AND ADA BARRIER-FREE REQUIREMENTS. LAVATORY SHALL HAVE 4-INCH FAUCET CENTERS AND DRILLED FOR CONCEALED ARM CARRIER. PROVIDE 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, 1-1/4-INCH INLET 1-1/2-INCH OUTLET CHROME PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. PROVIDE DELTA #523-WFOGHDF HEAVY DUTY SINGLE LEVER FAUCET, 4-INCH CENTERS, VANDAL-RESISTANT 2.2 GPM AERATOR, PERFORATED OFFSET GRID DRAIN (W. 1-1/4" TAILPIPE) AND VANDAL-RESISTANT SINGLE LEVER HANDLE. PROVIDE WITH J.R. SMITH CARRIER (TO MATCH WALL TYPE). MOUNT AT ADA HEIGHT AND MAINTAIN CLEARANCES UNDER LAVATORY AS REQUIRED BY ADA REGULATIONS. INSULATE WASTE AND HOT WATER SUPPLY UNDER LAVATORY WITH UNDERSINK PROTECTIVE PIPE COVER, MOLDED, ANTIMICROBIAL, WITH FLUSH REUSABLE FASTENERS. TRUEBRO LAV GUARD.
- ALL FIXTURES USED SPECIFICALLY FOR HANDWASHING PURPOSES (LAVATORIES, HAND SINKS, ECT.) SHALL BE PROVIDED WITH A TEMPERING VALVE TO TEMPER THE HOT WATER TO THE FIXTURE (MAXIMUM OF 105-DEGREES F).
- ALL SINKS AND ASSOCIATED FAUCETS ARE PROVIDED BY THE KEG. PC TO PROVIDE BASKET STRAINER DRAIN, TAILPIPE, 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, 1-1/4-INCH INLET 1-1/2-INCH OUTLET CHROME PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. PC TO PROVIDE OWNER FAUCETS (DELTA OR EQUAL) TO GO ALONG WITH FIXTURES PROVIDED BY THE KEG UNLESS OTHERWISE NOTED.
- ELECTRIC WATER COOLER, BI-LEVEL BARRIER FREE WITH STAINLESS STEEL TOP WITH SATIN FINISH, GRANITE POWDER COAT FINISH ON GALVANIZED STEEL CABINET, FRONT AND SIDE TOUCHPAD OPERATORS, FLEX GUARD BUBBLER, 8 GPH @ 90 DEGREES F AMBIENT. PROVIDE 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOP, AND 1-1/4-INCH INLET 1-1/2-INCH OUTLET CHROME-PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. MOUNT PER MANUFACTURER'S INSTRUCTIONS AND AS SHOWN ON THE ARCHITECTURAL PLANS

HOME BUYER: PHONE: _____

BUILDER: PHONE: _____

SUB-DIVISION: LOT NO. _____

PLAN NO.: COM-9999

FILE NAME: 9199 P-1

SHEET NO.: II

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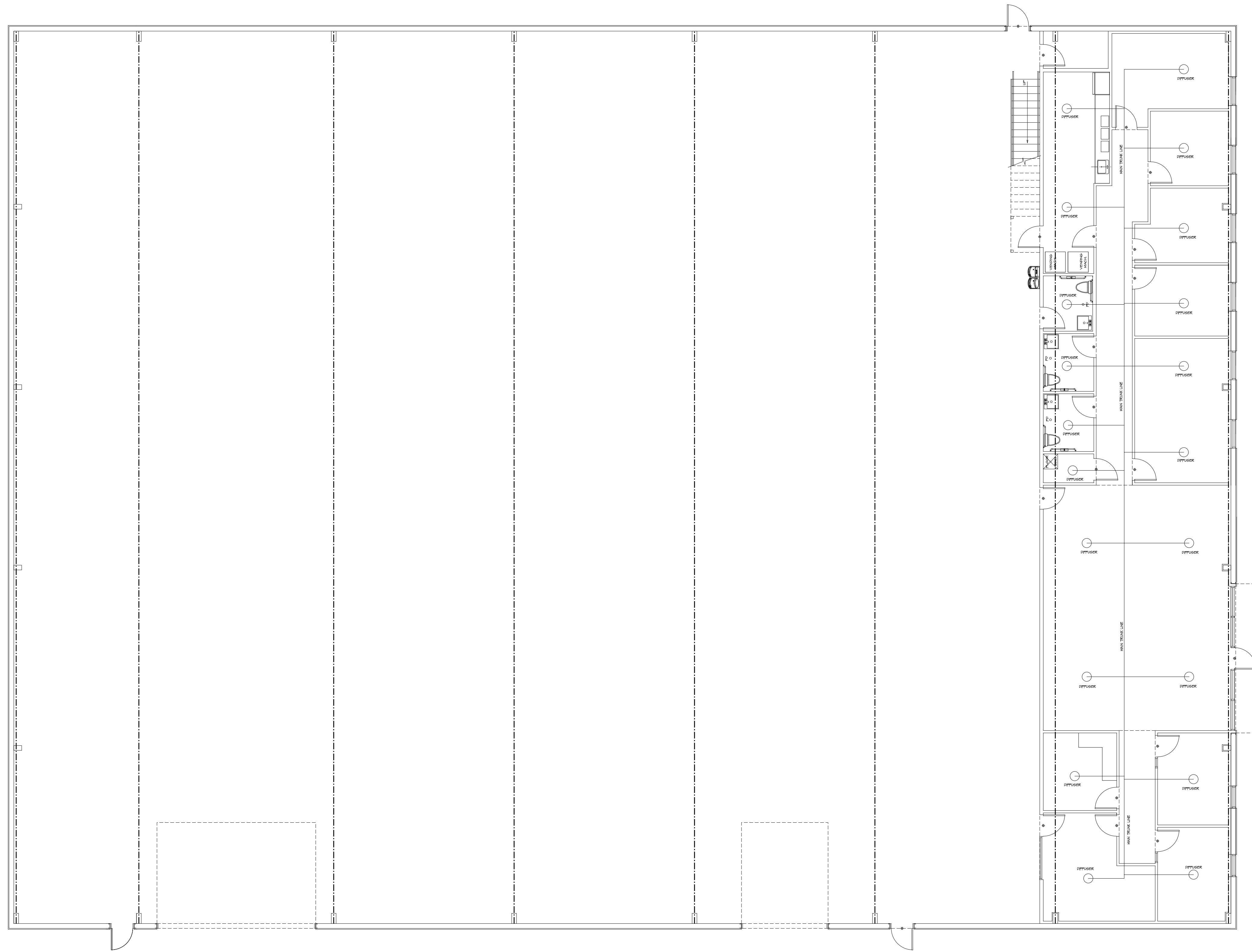
DATE DRAWN: _____

DATE REVISED: _____

DESIGNER: _____

PLUMBING CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION AND ELEVATIONS. ALSO VERIFY ALL SINK, HEADERS, AND LOCATIONS AND COLUMN SIZES. PLUMBING CONTRACTOR TO CHECK FOR CONFLICTS WITH ELECTRICAL, MECHANICAL, STRUCTURAL, AND OTHER TRADES. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLUMBING WORK. PLUMBING CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESUBMISSIONS TO OTHER COPYRIGHTED PLANS. PLUMBING CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY AND ALL SITE CHANGES MADE TO STRUCTURE.

STATE OF MISSISSIPPI
AARON DELANEY
REGISTERED PROFESSIONAL ENGINEER
NUMBER 1328619586
EXPIRES 12-31-24

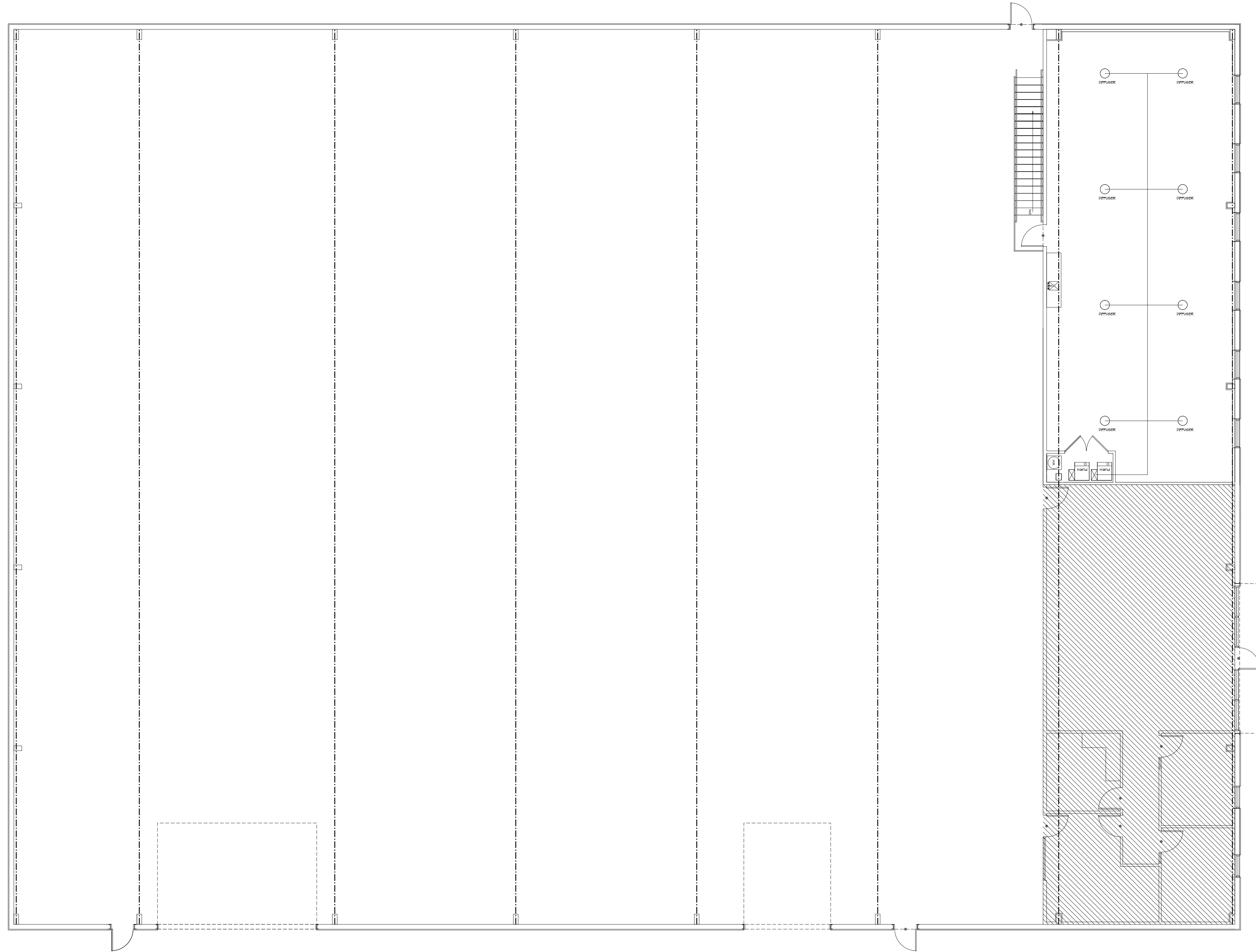


LOWER LEVEL HVAC PLAN
 1/8" = 1'-0"

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND LOCATIONS OF ALL MECHANICAL EQUIPMENT, PIPING, AND ELECTRICAL SYSTEMS AND VERIFY ALL WORK AGAINST THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

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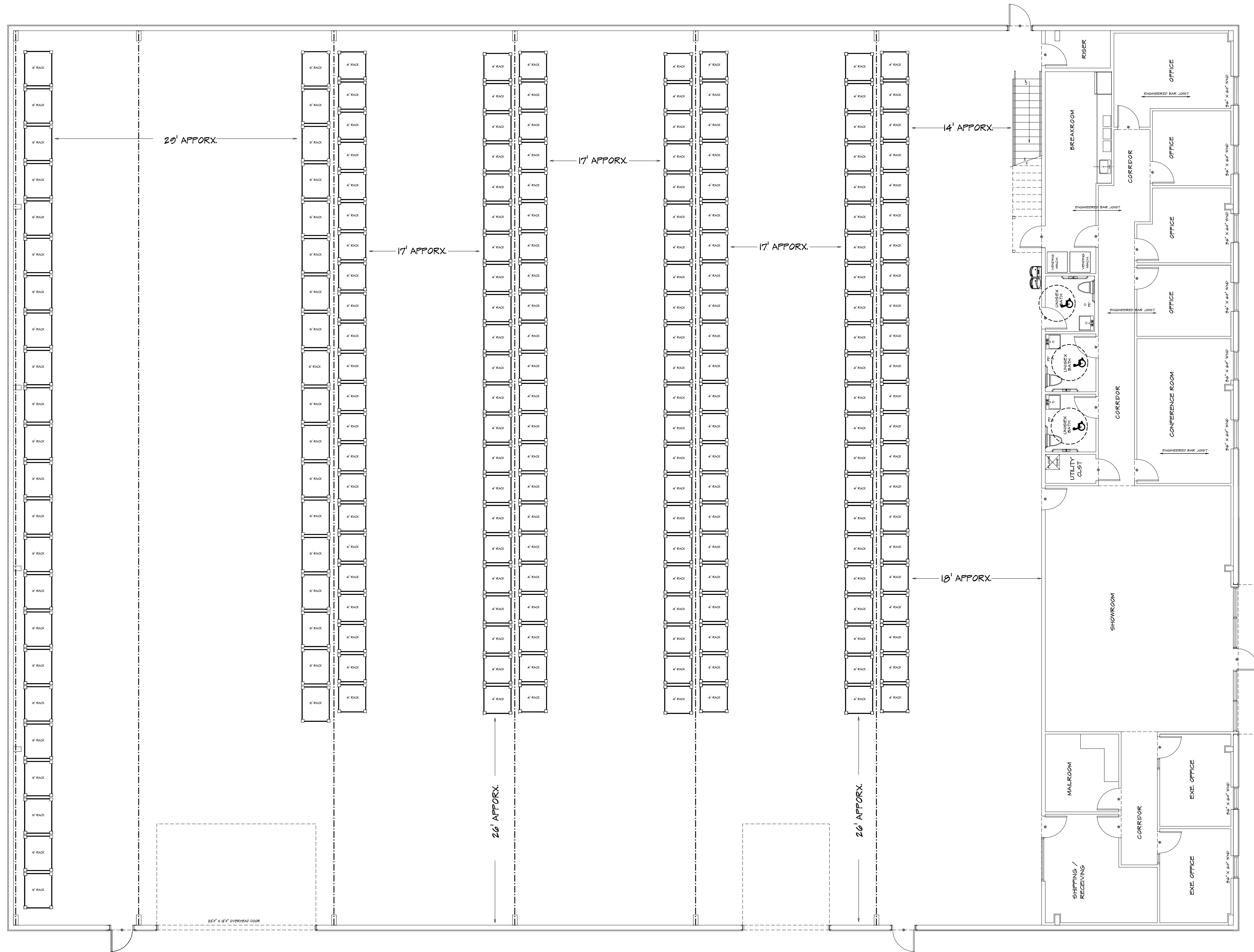
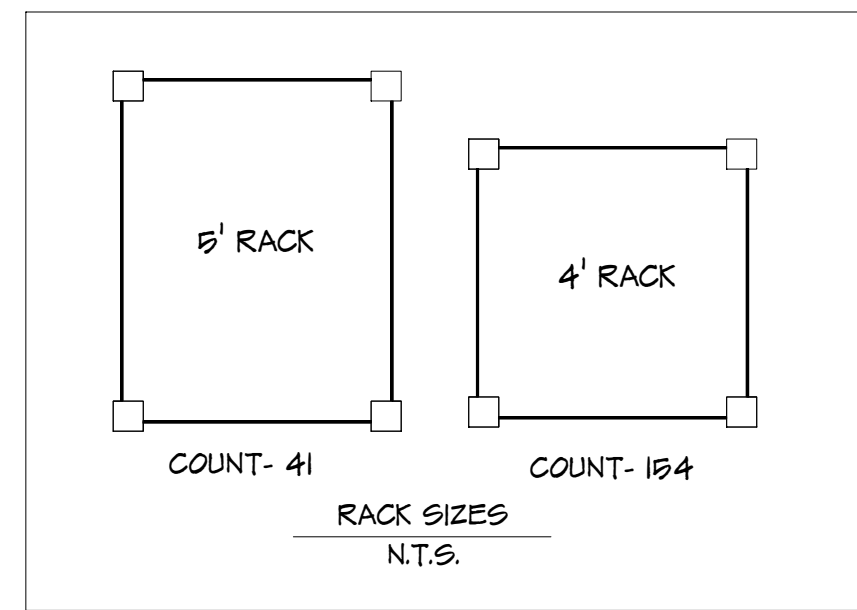


UPPER LEVEL HVAC PLAN
 1/8" = 1'-0"

THESE PLANS ARE PREPARED BY THE ARCHITECT FOR THE CLIENT'S USE. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN OF THE PLANS. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.

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RACK LAY-OUT
FIRST FLOOR
1/8" = 1'

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BUILDER:	PHONE:	DATE REVISED:	CON-899	1
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			899.P2	





BUTLERSUPPLY

"Dedicated To Our Customers' Success"

Quotation

600 NW Libby Lane
Lee's Summit MO 64063
www.butlersupply.com

Phone:816-357-9800
Fax:816-600-5161

Since 1941

Page 1 of 1

Sold-to Party Address

INTERSTATE CONSTRUCTION SERVICE
PO BOX 847
LEES SUMMIT MO 64063

Ship-to Party Address

INTERSTATE CONSTRUCTION SERVICE
PO BOX 847
LEES SUMMIT MO 64063

Information

Quotation No.: 950542520
Document Date: 09/10/2024
Customer No.: 980114
Quoted By: MHOLCOMB
Purchase Order No.:NEWBERRY LOT 294
Incoterms: WC

Text Messages:

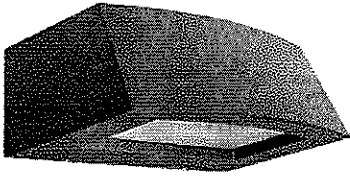
Quotation Details

Item	Material Description	Quantity	Unit Price	Amount
10	383667--LITH#ARC2LEDP340K-MVOLT/ DDBXD	12 EA	244.00 EA	2928.00

* Total Sales				2,928.00
* Tax Amount				248.15

Total Amount				\$ 3,176.15

- All quotations are subject to approval.
- Prices are subject to change without notice.
- Materials purchased from this quotation may not be refundable.
- Merchandise that is returned may be subject to a restocking fee.
- Projects funded with federal stimulus money may require a re-quote and price adjustments due to manufacturing requirements mandated by the US government.(FAR CODES)



ARC2 LED

Architectural Wall Luminaire

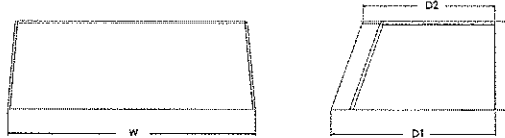


Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

- Depth (D1):** 9.25"
- Depth (D2):** 7.5"
- Height:** 5"
- Width:** 14"
- Weight:** 11 lbs (without options)



Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

ARC2 delivers up to 6,500 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. It offers integrated emergency battery backup options, including an 8W cold temperature option, making it suitable for pedestrian scale applications in any environment.

ARC LED Family Overview

Luminaire	Standard EM: U-C	Cold EM: -20°C	Approximate Lumens (4000K)				
			P1	P2	P3	P4	P5
ARC1 LED	4W	--	1,500	2,000	3,000	--	--
ARC2 LED	4W	8W	1,500	2,000	3,000	4,000	6,500

Ordering Information

EXAMPLE: ARC2 LED P2 40K MVOLT PE DDBXD

Series	Package	Color Temperature	Voltage	Options	Finish
ARC2 LED	P1 1,500 Lumens	30K 3000K	MVOLT 347V	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ¹	DDBXD Dark bronze
	P2 2,000 Lumens	40K 4000K		E8WC Emergency battery backup, CEC compliant (8W, -20°C min) ¹	DBLXD Black
	P3 3,000 Lumens	50K 5000K		PE Button type photocell for dusk-to-dawn operation	DNAXD Natural aluminum
	P4 4,000 Lumens			DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ²	DWHXD White
	P5 6,500 Lumens			SPD6KV 6kV surge protection ¹	DSSXD Sandstone
			FAO Field adjustable light output device. Allows for easy adjustment to the desired light levels, from 20% to 100% ²	DDBTXD Textured dark bronze	
			LDS18 18" Fixture leads	DBL BXD Textured black	
				DNATXD Textured natural aluminum	
				DWHGXD Textured white	
				DSSTXD Textured sandstone	

Accessories

Ordered and shipped separately.

- WSBBW DDBXD U Surface - mounted back box (specify finish)

NOTES

- 347V not available with E4WH, E8WC and SPD6KV.
- FAO not available with DMG.



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ARC2 LED
Rev. 08/27/24

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
		Lumens	LPW	0	II	G	Lumens	LPW	0	II	G	Lumens	LPW	0	II	G
P1	11W	1,502	142	0	0	1	1,587	150	0	0	1	1,598	151	0	0	1
P2	16W	2,250	140	0	0	1	2,377	147	0	0	1	2,393	148	0	0	1
P3	24W	3,206	135	0	0	1	3,387	143	0	0	1	3,410	144	0	0	1
P4	30W	3,903	128	1	0	1	4,124	136	1	0	1	4,152	136	1	0	1
P5	51W	6,260	122	1	0	1	6,615	129	1	0	1	6,659	130	1	0	1

Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	11W	0.090	0.055	0.049	0.046	0.045
P2	16W	0.141	0.081	0.072	0.064	0.059
P3	24W	0.202	0.117	0.103	0.091	0.079
P4	30W	0.280	0.162	0.144	0.128	0.095
P5	51W	0.471	0.272	0.239	0.212	0.158

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Lumens
E4WH	693
E8WC	1,413

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C / 32°F	1.04
10°C / 50°F	1.03
20°C / 68°F	1.01
25°C / 77°F	1.00
30°C / 86°F	0.99
40°C / 104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

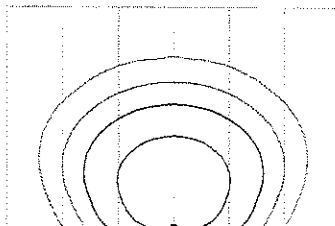
Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.88

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting ARC LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc



ARC2 LED P3 40K

MH = 15ft
Grid = 15ft x 15ft



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Emergency Egress Options

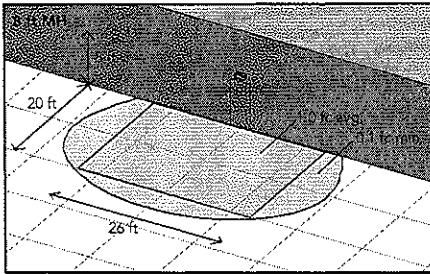
Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

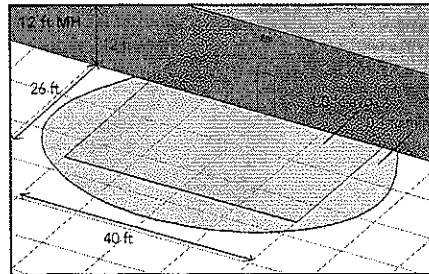
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode.

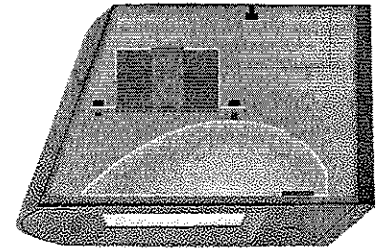
Grid = 10ft x 10ft



ARC2 LED 40K MVOLT E4WH

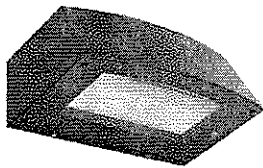


ARC2 LED 40K MVOLT E8WC



Self-contained solution for clean aesthetic

Mounting, Options & Accessories

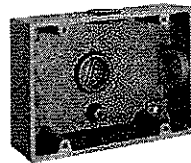


E4WH and E8WC – Emergency Battery Backup

D = 6.5"

H = 5"

W = 11"



BBW – Standard Back Box

D = 1.5"

H = 4"

W = 5.5"

For surface conduit applications.
3/4" conduit entry holes.

FEATURES & SPECIFICATIONS

INTENDED USE

The clean architectural shape of the ARC LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long-life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

The die-cast aluminum housing and door act as heat sinks to optimize thermal transfer from the light engine and driver to promote long-life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Recessed lens to cut off high angle light and reduce glare. Combination of diffused lens and reflector design has low surface brightness creating a visually comfortable environment with great distribution. LEDs are fully hidden from view to eliminate pixelation and harsh glare. The ARC LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long-life (up to L88/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire is 0-10V dimmable.

INSTALLATION

The universal wall plate, supplied with the luminaire, fits multiple size junction boxes and supports it during wiring for easy installation. Built-in wet location wiring compartment on the luminaire to accommodate wiring connections for applications with no junction box. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International DarkSky Association (IDA) Fixture Seal of approval (FSA) is available for all products on this page utilizing 3000K color temperature only. Rated for -40°C minimum ambient.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.designlights.com/customer-warranty-terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



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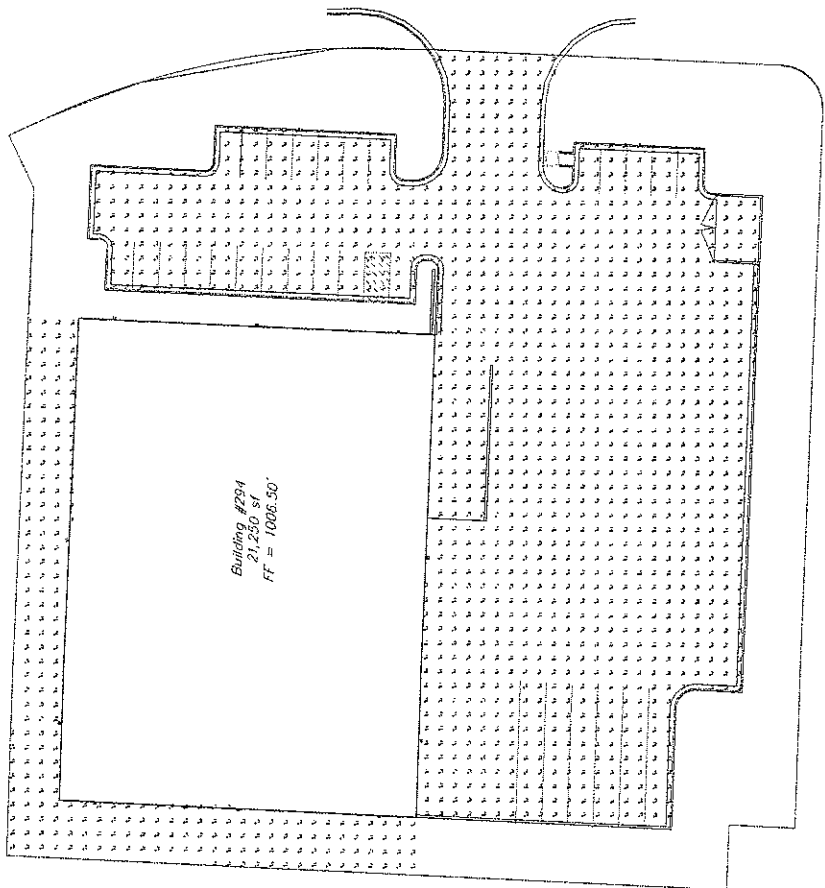
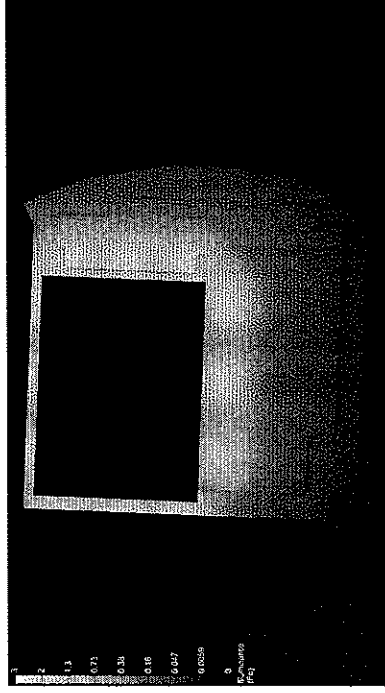
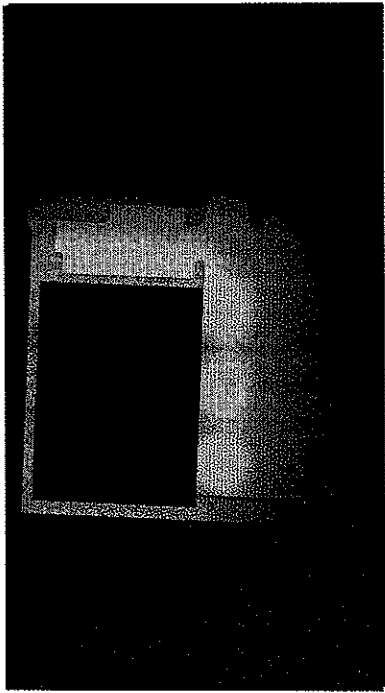
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ARC2 LED
Rev. 08/27/24

#	Date	Comments

REVISIONS	

Drawn By: CJ Perrier Checked By: Premier Lighting Date: 9/10/2024	PREMIER LIGHTING & CONTROLS NEWSBERRY LOT 294
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Scale: 1 inch = 20 Ft.

Label	CalcType	Units	Qty	Max	Min	Avg/Min	Max/Min
GRAND TOTAL	ILLUMINANCE	FC	1.91	1.9	0.3	3.37	8.33
GRAND TOTAL	ILLUMINANCE	FC	0.12	1.2	0.2	1.0	1.0

Qty	Brand	Qty	Unit	Label	LF	Dim.	Mount	Dim.	Mount	Dim.	Mount
1		1		NEW LED F1 40K	0.910	3387		23.315		NEW LED F1 40K	

CALCULATION NOTES:
 GRACE POINTS: 0
 WALLS: 504 WALLS, 208 FLOORS
 LWF: 0.31