

**GENERAL**

1. Lined foot measurements shown on the plans are horizontal measurements, not slope measurements. All payments shall be made on horizontal measurements.
2. No geological information is shown on these plans.
3. The utility locations shown on these plans are taken from utility company records and are approximate only. They do not constitute actual field locations. The contractor shall verify the location and depth of all utilities prior to construction.
4. The contractor shall adhere to the provisions of the Senate Bill Number 583, 78th General Assembly of the State of Missouri. The bill requires that any person of firm doing excavation on public right-of-way do so only after giving notice to, and obtaining approval from, the Missouri Department of Transportation. The contractor shall verify the names and telephone numbers of utility companies, even if they recently involved with this project are provided. Prior to commencement of work, the contractor shall notify all those companies which have facilities in the near vicinity of the construction to be performed.
5. All waste material resulting from the project shall be disposed of off-site by the contractor.
6. All excavation shall be unclassified. No separate payment will be made for rock excavation.
7. The contractor shall control the erosion and siltation during all phases construction, and he shall keep the streets clean of mud and debris.
8. All manholes, catch basins, utility valves and meter pits to be adjusted or rebuilt to grade as required. All existing utilities shall be adjusted as required.
9. Subgrade soil for all concrete structures, regardless of the type or location, shall be from dense and thoroughly compacted and consolidated; shall be free from muck and mud; and shall be sufficiently stable to remain firm and intact under the feet of the workmen or machinery engaged in subgrade surfacing, laying reinforcing steel, and depositing concrete thereon. In all cases where subsoil is muddy or works into mud or muck during such operation, a seal course of either concrete or rock shall be placed below subgrade to provide a firm base for working and for placing the floor slab.
11. The contractor is responsible for providing all surveying that may be required.
12. Easements indicated on these drawings will be provided for on the final plot and properly dimensions. Easements outside the pictured area will be provided for by separate documents prior to issuance of a construction permit.

**STREETS & STORM SEWER**

1. All construction shall follow the City of Lee's Summit Design and Construction Manual as adopted by Ordinance 5813.

# GRADING PLAN FOR

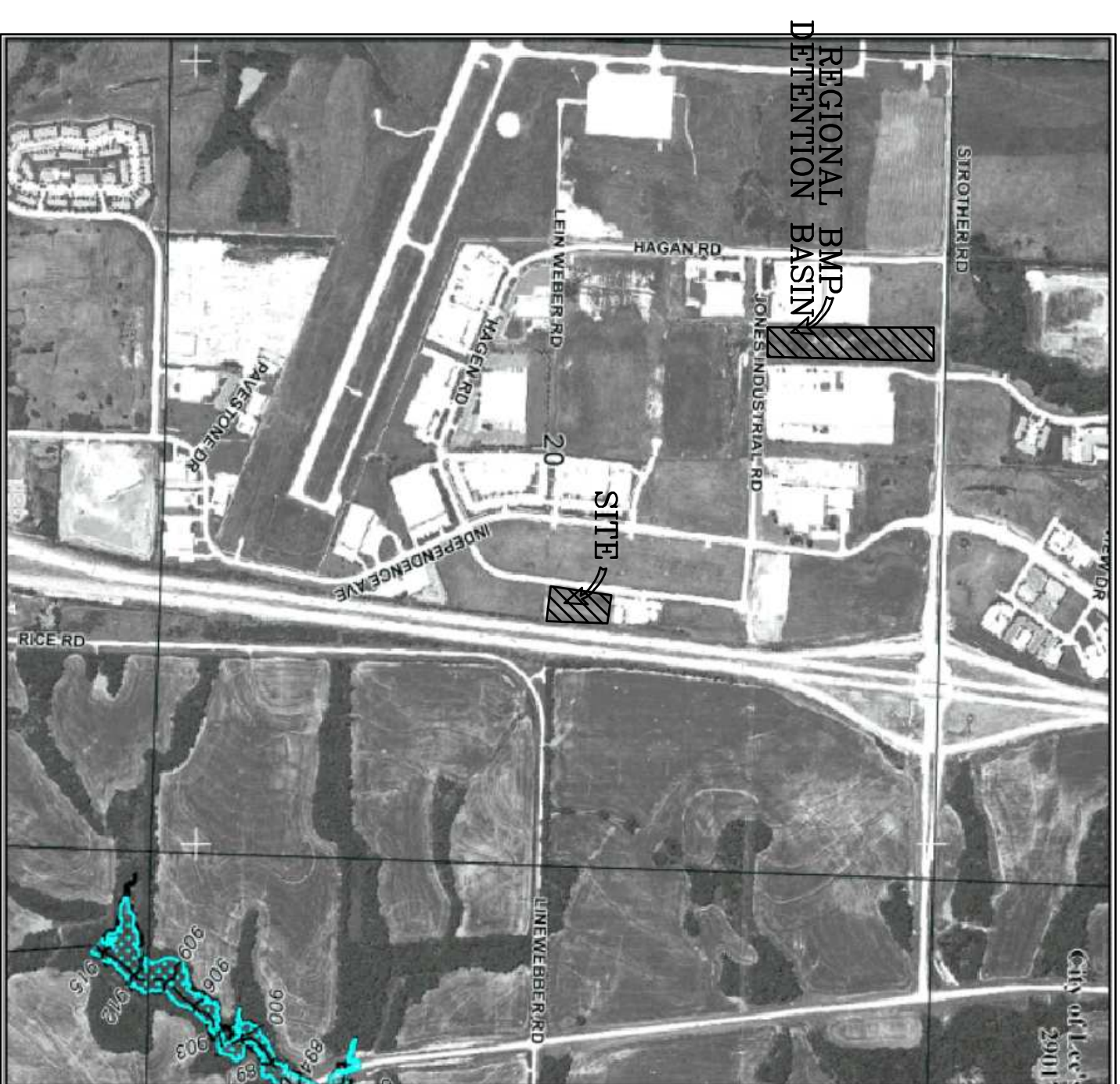
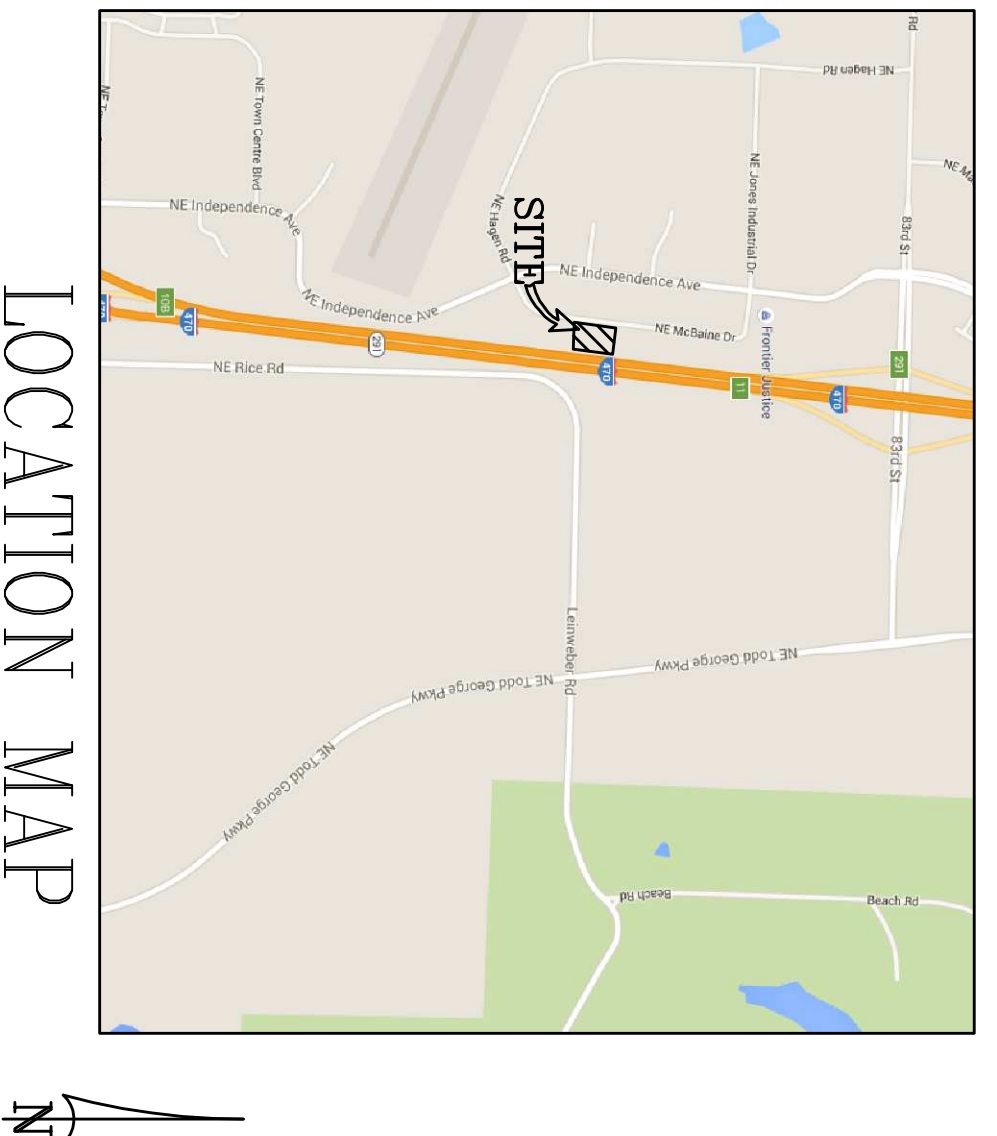
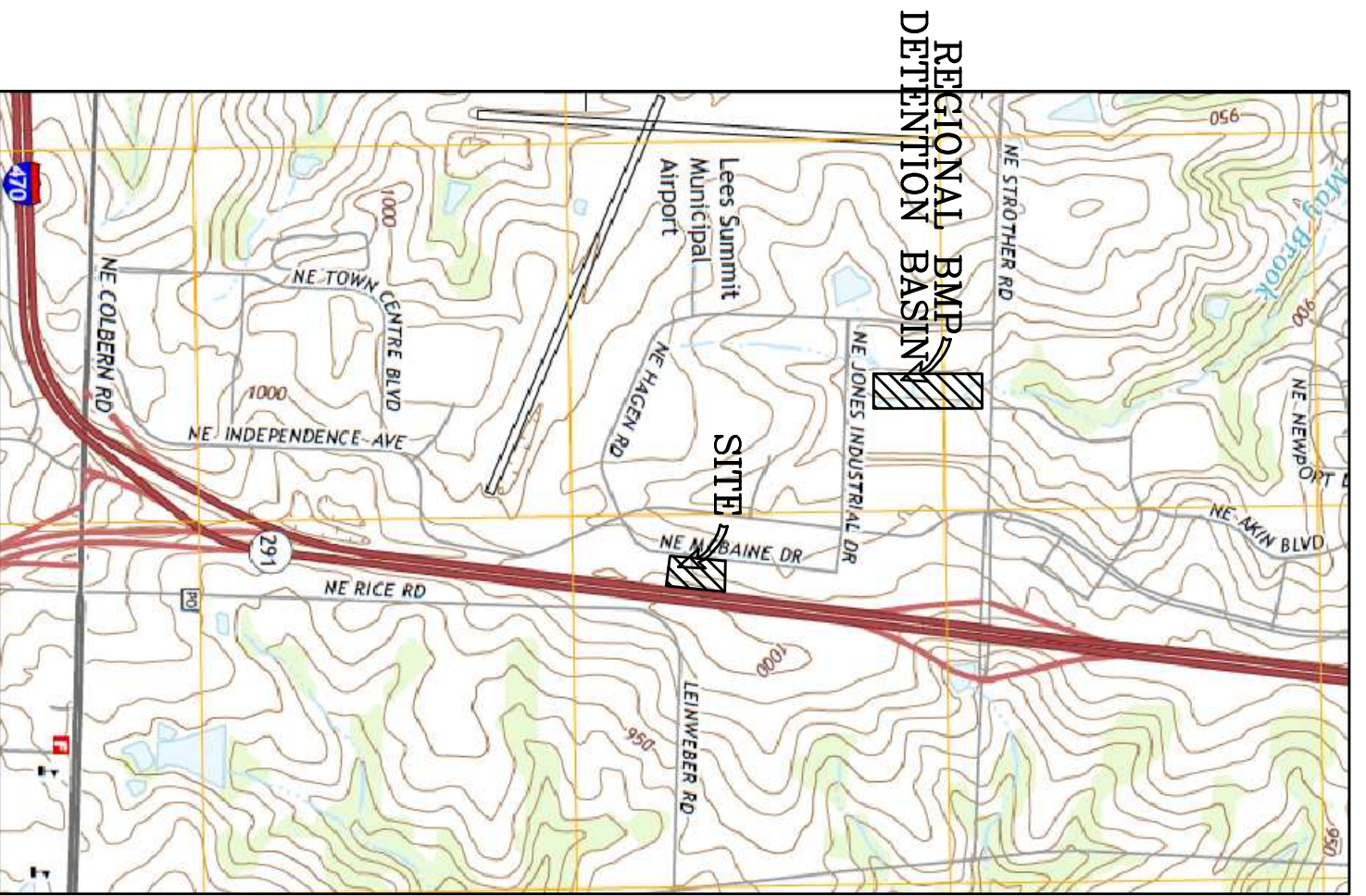
## LOT 6a & LOT 7 OF

### BLUE SPRINGS SAFETY STORAGE LLC

1120 NW EAGLE RIDGE BLVD.  
GRAIN VALLEY, MISSOURI 64029  
Ph.# 816-229-8115

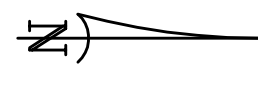
**DEVELOPER:**  
BLUE SPRINGS SAFETY STORAGE LLC  
1120 NW EAGLE RIDGE BLVD.  
GRAIN VALLEY, MISSOURI 64029  
Ph.# 816-229-8115

**LEGAL DESCRIPTION:**  
I-470 BUSINESS AND TECHNOLOGY CENTER LOT 13A  
A REPLAT OF LOTS 6a AND LOT 7 OF I-470 BUSINESS  
AND TECHNOLOGY CENTER A SUBDIVISION IN LEE'S  
SUMMIT, JACKSON COUNTY, MISSOURI



<b>NATIONAL FLOOD INSURANCE PROGRAM</b>	
<b>FIRM</b>	
FLOOD INSURANCE RATE MAP JACKSON COUNTY, MISSOURI AND INCORPORATED AREAS	
PANEL 430 OF 432	
GIVE MAP INDEX FOR FIRM PANEL LOCATION	
CONTRACT NUMBER: 206742	
DATE: 01/20/2017	
MAP NUMBER: 206742C003	
MAP REVISED: JANUARY 20, 2017	
Federal Emergency Management Agency	

MAP SCALE 1" = 1000'  
0 1000 2000 FEET



**UTILITY NOTES:**  
1. NO UTILITIES ARE PROPOSED WITH THESE PLANS

**SITE DATA TABLE:**  
1. NO IMPROVEMENTS ARE PROPOSED WITH THESE PLANS

**NOTES:**  
1. CONTRACTOR SHALL CONTACT THE CITY'S DEVELOPMENT SERVICES ENGINEERING INSPECTORS 48 HOUR PRIOR TO ANY LAND DISTURBANCE WORK. CALL (816)969-1200

**UTILITIES**

**LEE'S SUMMIT PUBLIC WORKS**  
220 SE GREEN STREET  
LEE'S SUMMIT, MISSOURI 64063  
(816) 969-1800

**MO GAS ENERGY**  
P.O. BOX 219255  
KANSAS CITY, MO 64141  
(816) 756-5252

**KANSAS CITY POWER & LIGHT CO.**  
P.O. BOX 219330  
KANSAS CITY, MO 64121-9330  
(816) 471-5275

**TELEPHONE COMPANY**  
CENTURY LINK  
P.O. BOX 2961  
PHOENIX, AZ 85062  
(800) 788-3600

**MISSOURI ONE-CALL**  
1-800-344-7483

**BEFORE YOU**  
**DIG - DRILL - BLAST**



call  
1-800-344-7483 (MISSOURI)  
1-800-344-7233 (KANSAS)

## CIVIL PLANS COVER SHEET

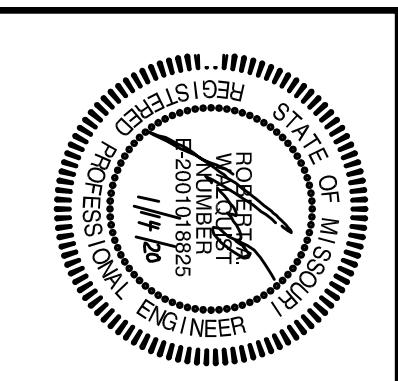
**PROJECT CONTACTS:** ROBERT WALQUIST, P.E.  
LEE'S SUMMIT, MISSOURI 64063  
Phone: (816) 550-5675

**Quist Engineering, Inc**  
Civil Engineering for Residential & Commercial Site Development  
821 NE Columbus St.  
Lee's Summit, Missouri 64063  
Phone: (816) 550-5675  
email: rwalquist@quistengineering.com

# I-470 LOT 6a & 7

## LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

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<b>C100</b>
JOB NO. E18-337



# I-470 LOT 6a & 7

## LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

**Quist Engineering, Inc**  
Civil Engineering for Residential &  
Commercial Site Development  
821 NE Columbus St.  
Lee's Summit, Missouri 64063  
Phone: (816) 550-5675  
email: [rwalquist@quistengineering.com](mailto:rwalquist@quistengineering.com)

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**C301**

JOB NO.  
E18-337

- GENERAL NOTES:**
- ADJACENT ROAD AGES SHALL BE PROTECTED FROM EROSION AND SLIDATION WITH FILTER FABRIC.
  - SILT CONCENTRATION SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED WITH END SECTIONS AND
  - THE DRAINAGE DITCHES BE PASSED TO DISPERSE FLOW AND CONTROL EROSION. THE PLANS, DEBURY/SALT
  - AND SOD SHOULD BE REMOVED OR STORED TO MAINTAIN STABILITY. OTHER METHODS AS DETAILED
  - ALL METHODS SHALL BE UTILIZED AND MAINTAINED UNTIL THE SURFACE HAS BEEN STABILIZED WITH VEGETATION
  - AND SOD.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF EROSION OR SEDIMENT CONTROL
  - CONTROL BARRIERS UNTIL VEGETATION HAS BEEN ESTABLISHED.
  - CONTRACTOR SHALL MAINTAIN EROSION OR SEDIMENT CONTROL BARRIERS AND EXCAVATED AREA OF 2.0 ACRES TO BE
  - SOWN AFTER CONSTRUCTION WITH ONE OF THE FOLLOWING:  
a. SODDING BARRIERS - 35 LB/Acre  
b. OTHER SEEDING METHODS AS APPROVED BY THE SOIL CONSERVATION SERVICE
- SEEDING OR BARRIERS - MARCH 1 TO JUNE 1  
MAJOR PLANTS (REQUIRED FOR ALL PERMANENT SEEDING)  
FERTILIZERS  
a. INTENSIVE 90 LBS/Acre  
b. PASTURE 80 LBS/Acre  
c. PASTURE 60 LBS/Acre  
d. OTHER PLANTS AS DETAILED BY A REGISTERED SOIL TESTER AND APPROVED BY THE SOIL CONSERVATION SERVICE

**PHASE 1**

- SHALL INCLUDE THE FOLLOWING:
- INSTALL SWPPP SIGN AND LOCATION OF MDR, PERMIT AND SWPPP REPORTS
  - INSTALL SILT FENCE
  - INSTALL TEMPORARY CONSTRUCTION ENTRANCE
  - REHABILITATE AND MAINTAIN EXISTING ROCK CHECK DAM TO MEET CITY'S SPECIFICATIONS.

**PHASE 2**

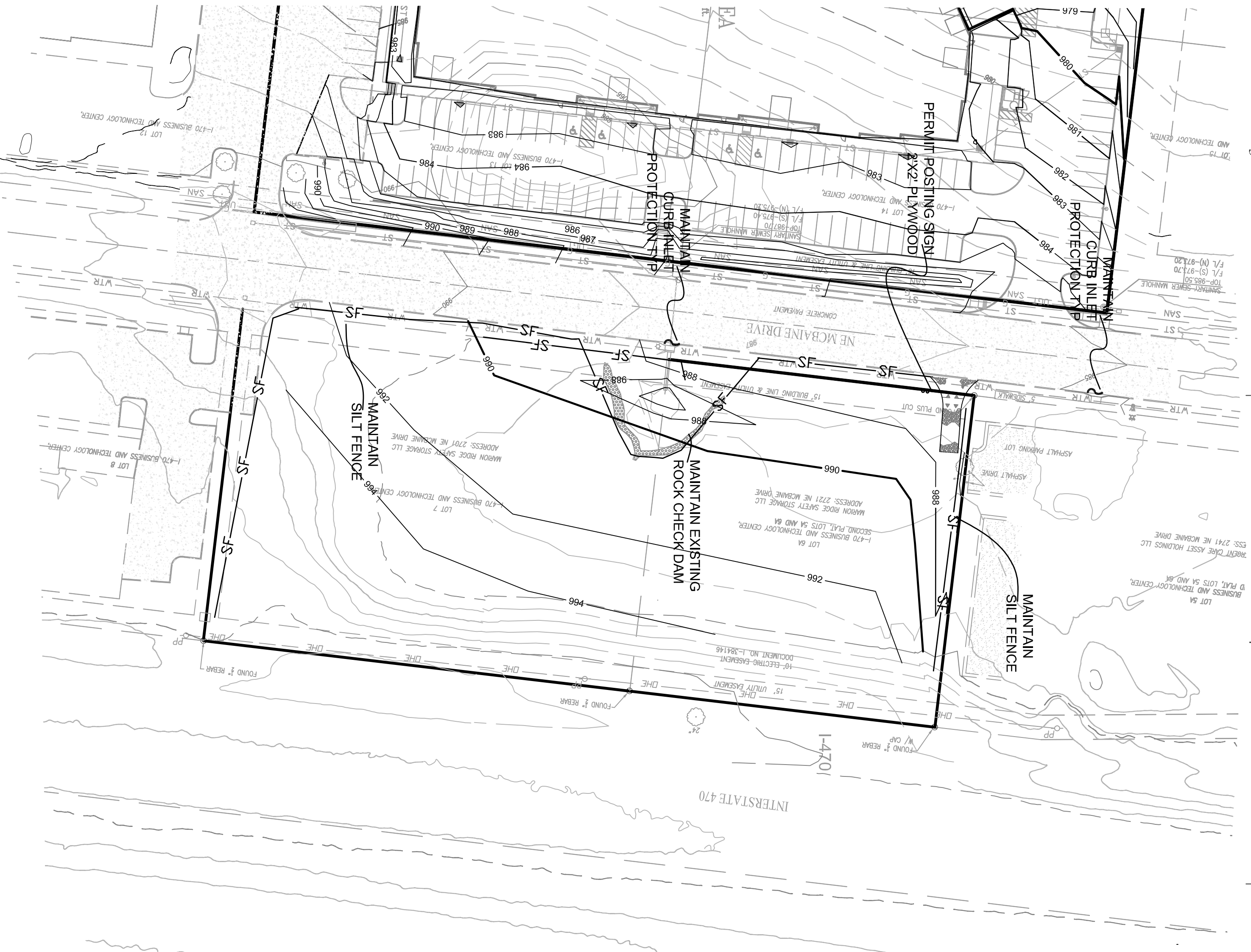
- SHALL INCLUDE THE FOLLOWING:
- MAINTAIN ALL ESC DEVICES AND TREES
  - ROUGH GRADE CUT AND ENGINEERED FILL
  - SEED AND SOD ALL DISTURBED AREAS

**PHASE 3**

- SHALL INCLUDE THE FOLLOWING:
- FULLY VEGETATED SITE
  - REMOVE SALVATION FENCE
  - REMOVE INLET PROTECTION

**NOTE:**  
1. ALL ESC INSPECTIONS/REPORTS SHALL BE MADE PER THE CURRENT SWPPP REQUIREMENTS AND COPIES KEPT ONSITE

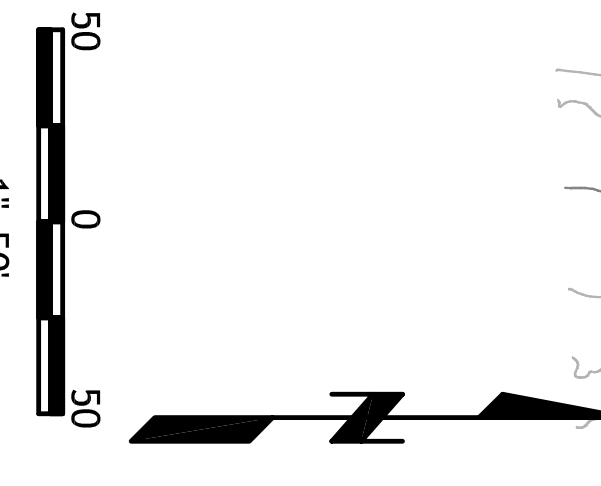
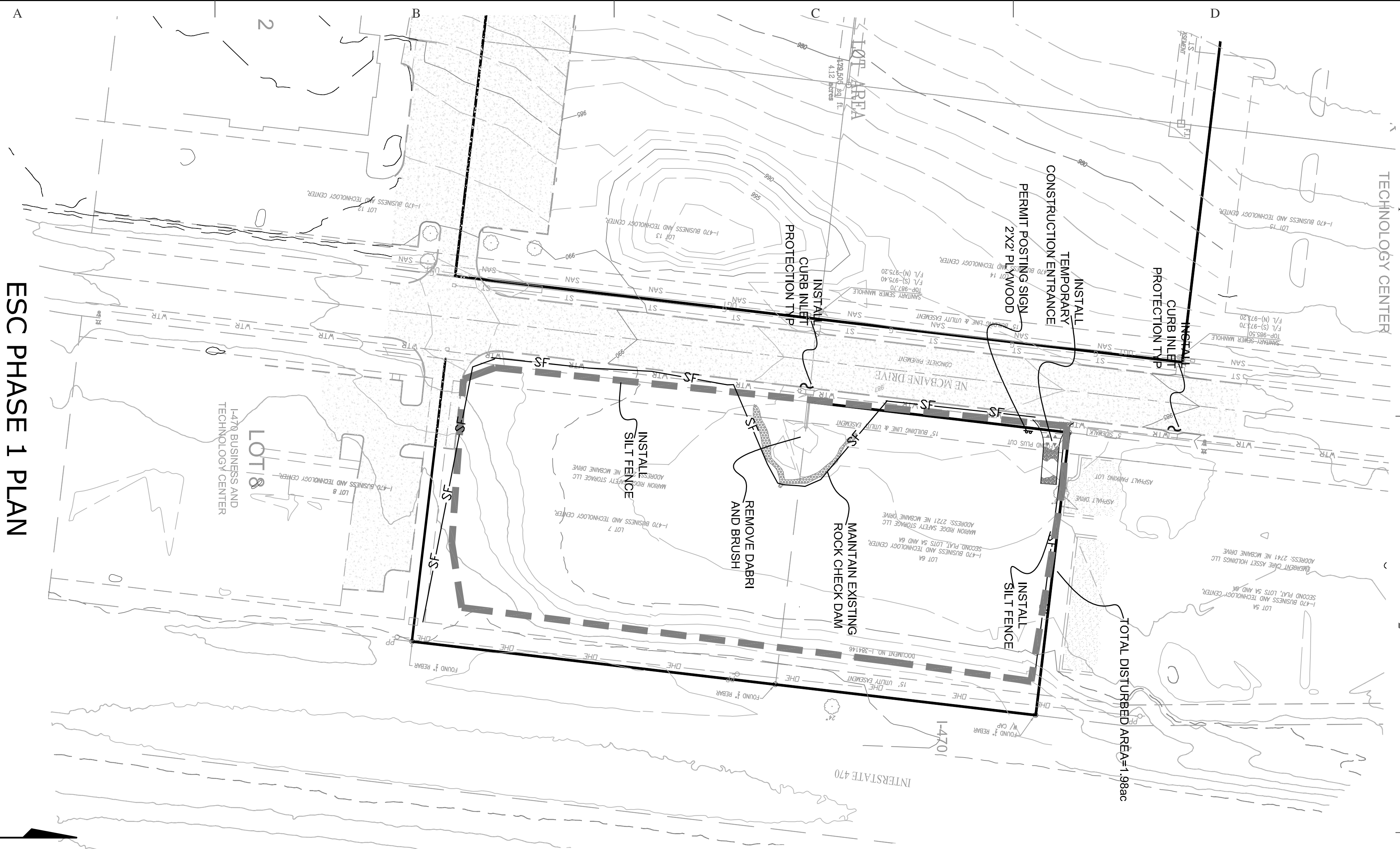
**NOTE:**  
1. ALL FILL SHALL BE PLACE IN MAX 6" LIFTS WITH 98% COMPACTING



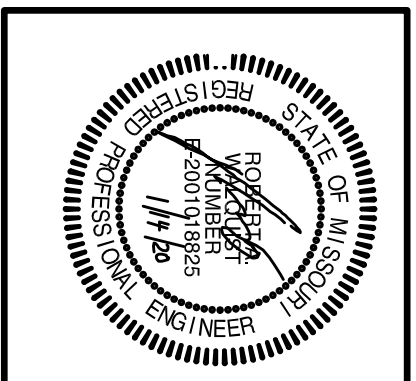
**ESC PHASE 2 PLAN**



**ESC PHASE 1 PLAN**



**SITE ESC PHASE 1 AND 2 PLAN**



# I-470 LOT 6a & 7

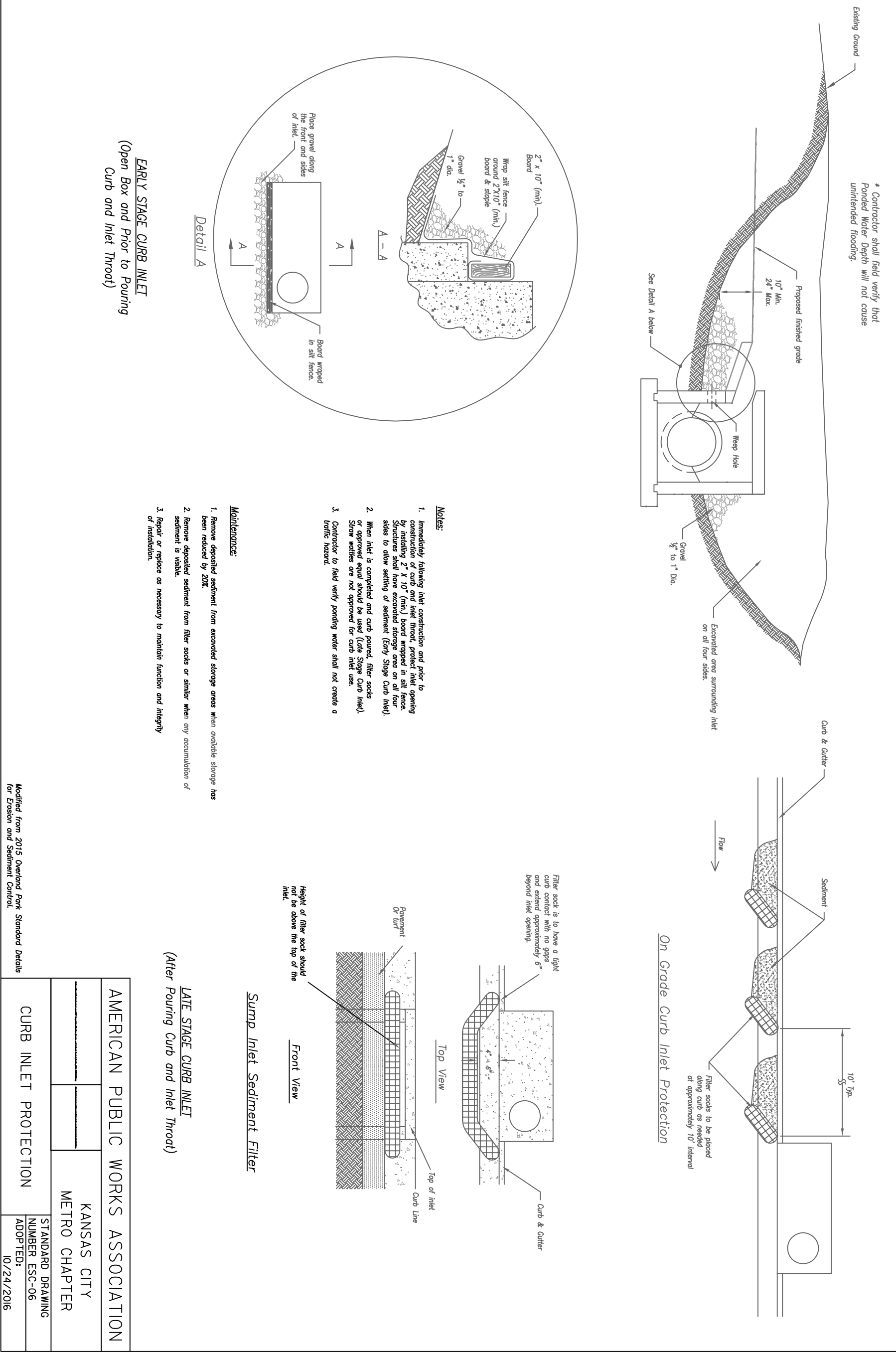
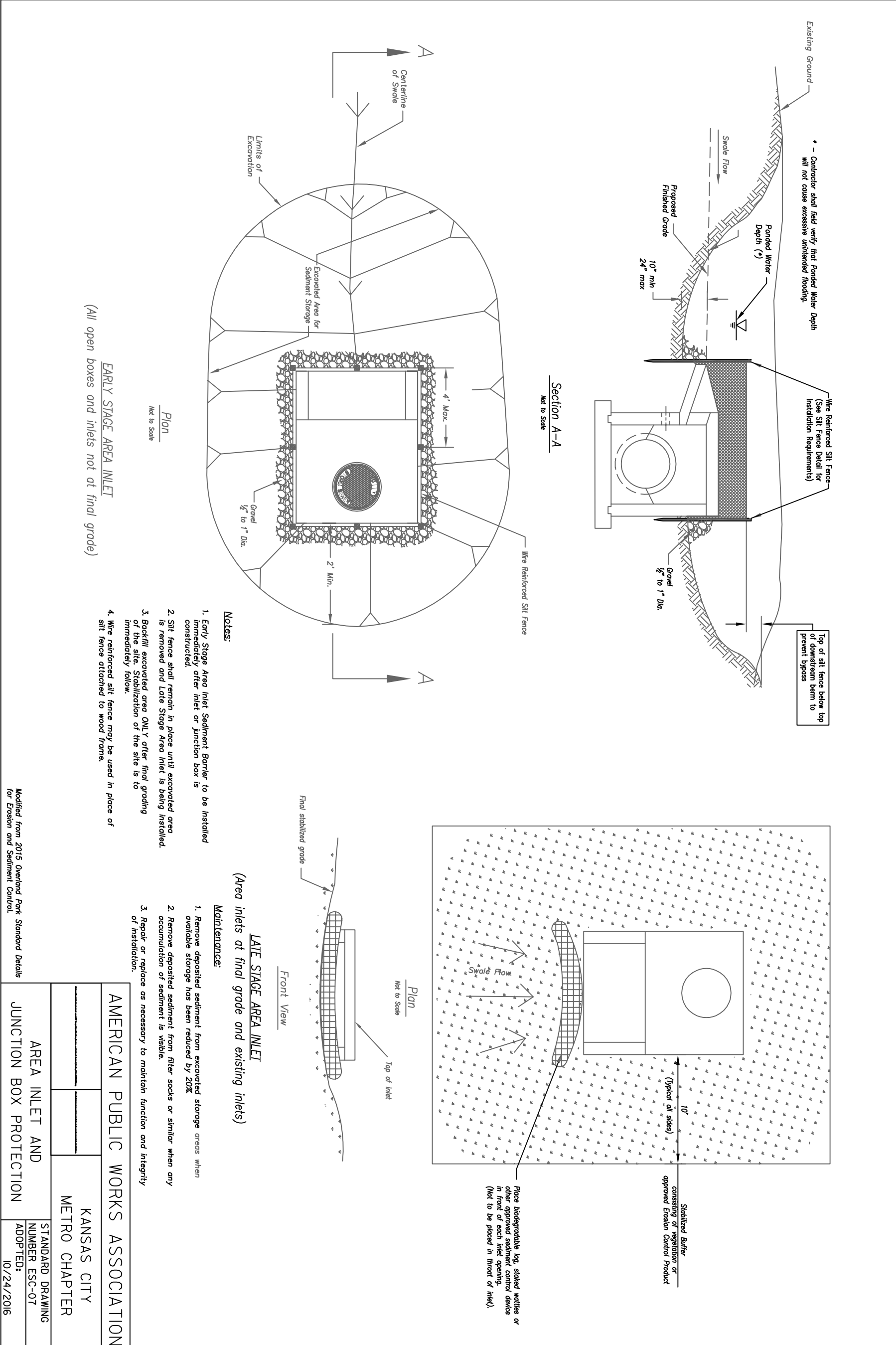
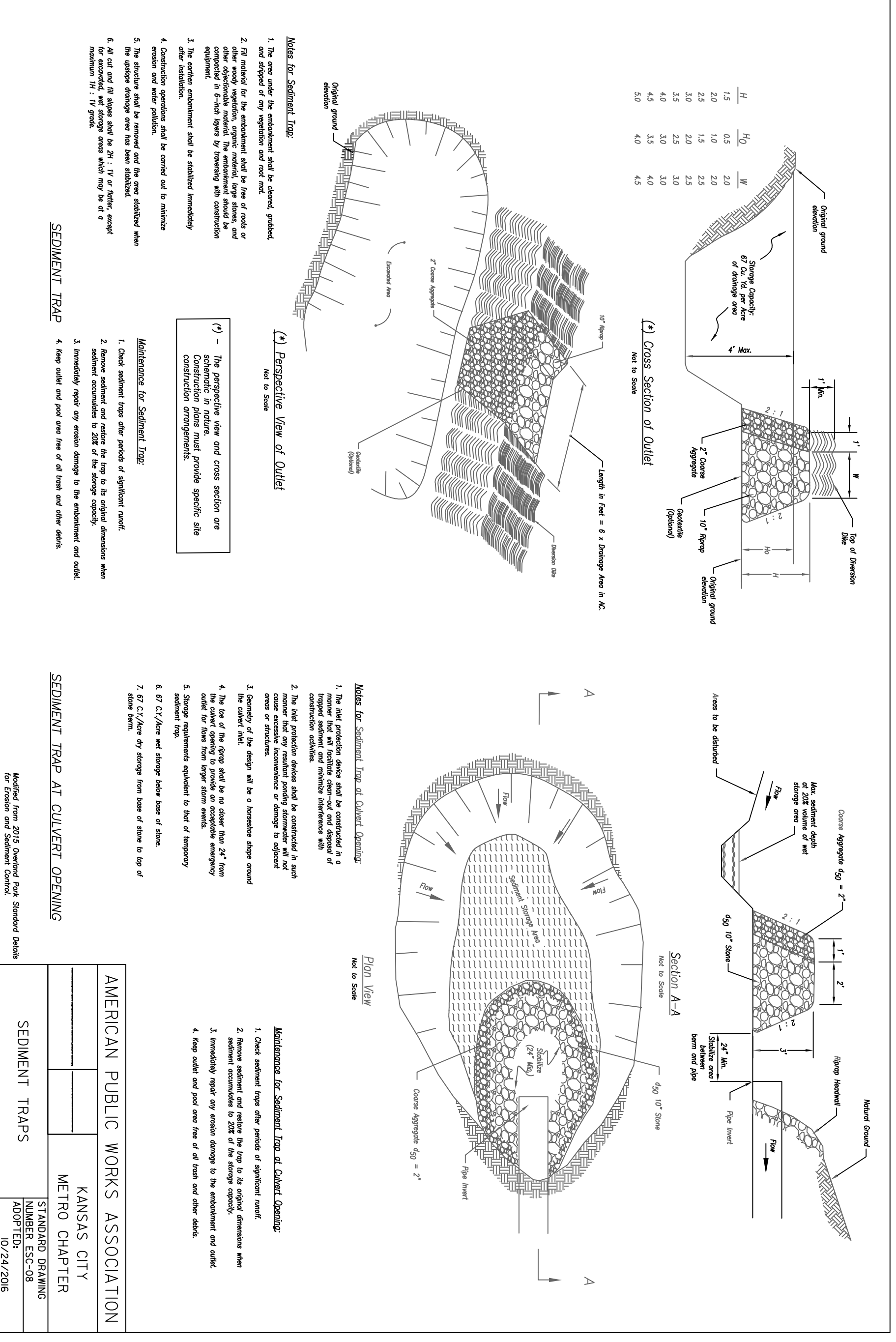
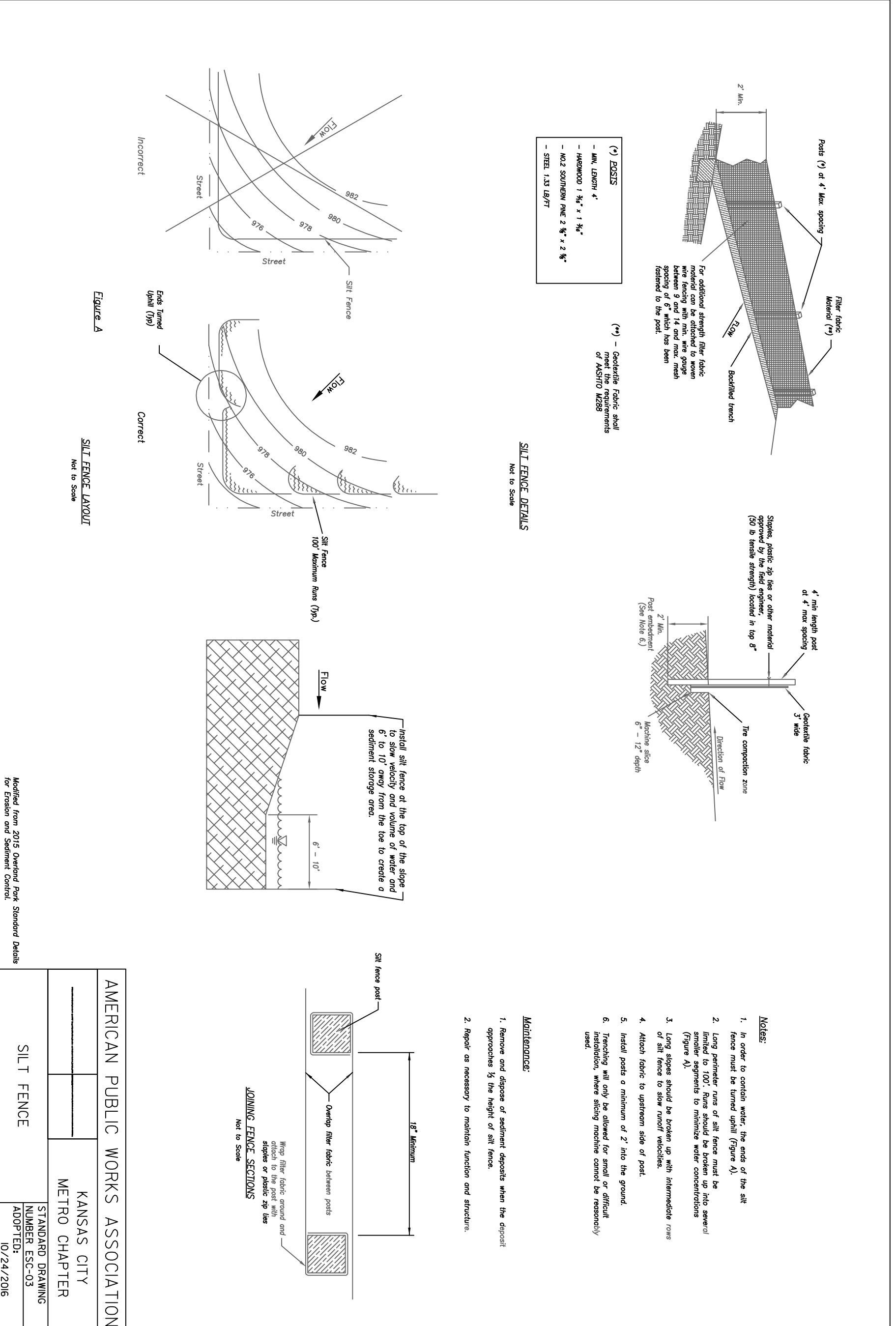
## LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

**Quist Engineering, Inc**  
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 Lee's Summit, Missouri 64063  
 Phone: (816) 550-5675  
 email: rwa@quistengineering.com

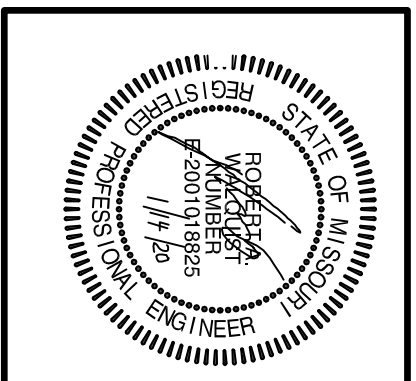
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 1-1-4-30

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 JOB NO.  
 E18-337



# SITE ESC DETAILS



# I-470 LOT 6a & 7

## LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

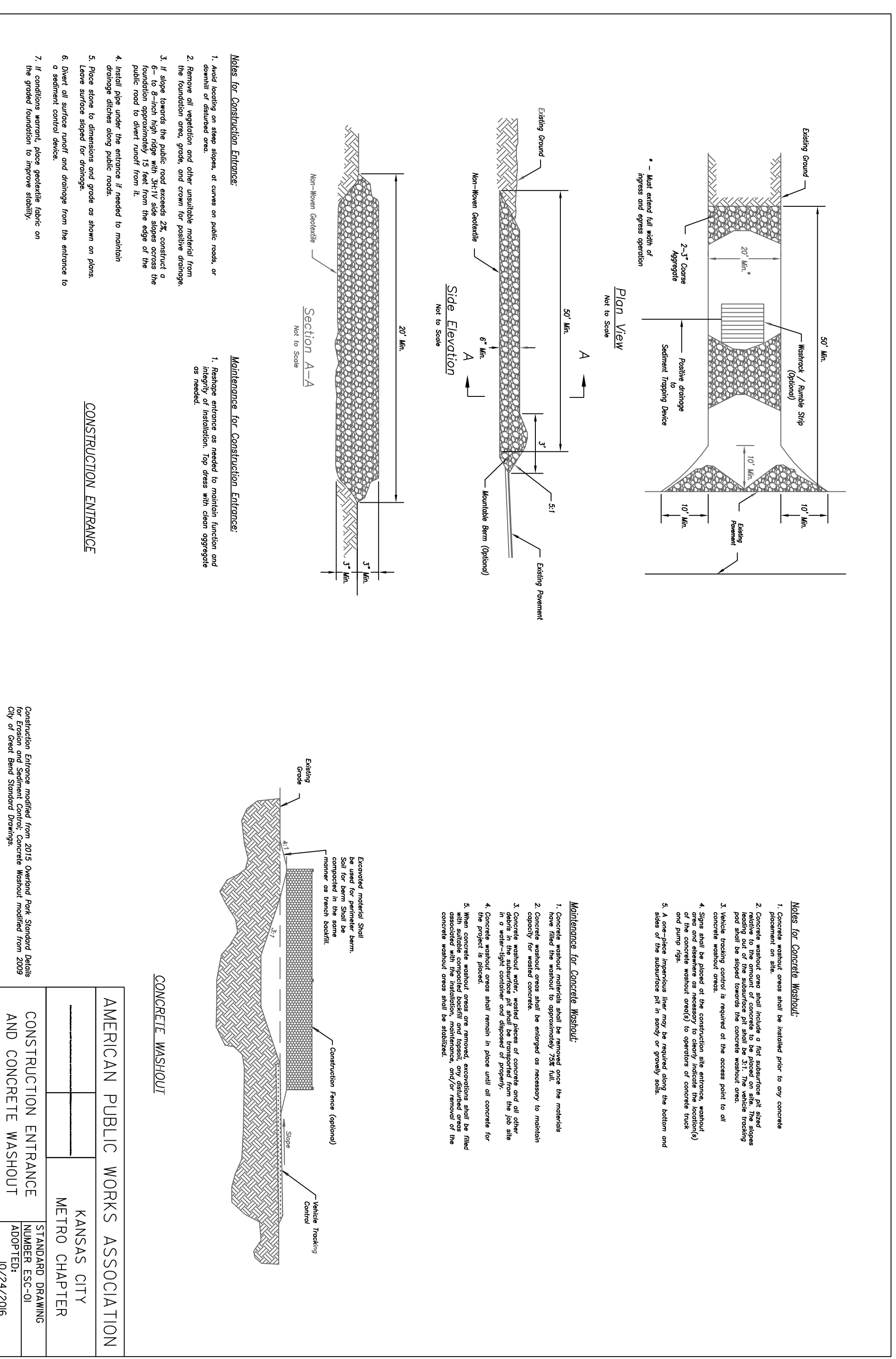
**Quist Engineering, Inc**  
 Civil Engineering for Residential & Commercial Site Development  
 821 NE Columbus St.  
 Lee's Summit, Missouri 64063  
 Phone: (816) 550-5675  
 email: rwaquist@quistengineering.com

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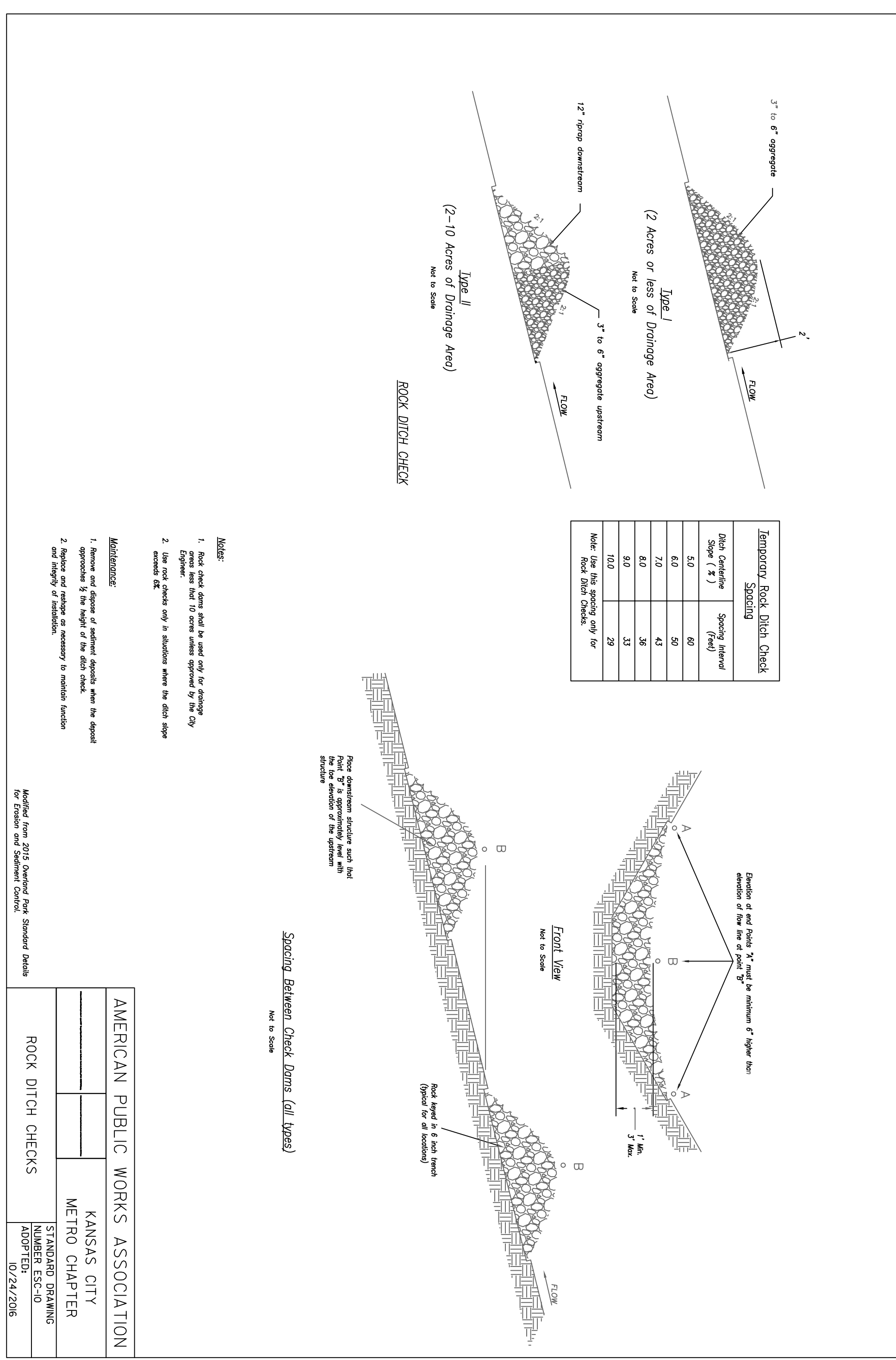
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**C303**

JOB NO.  
 E18-337



AMERICAN PUBLIC WORKS ASSOCIATION  
 KANSAS CITY METRO CHAPTER  
 CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT  
 STANDARD DRAWING NUMBER ESC-01 ADOPTED 01/24/2016



AMERICAN PUBLIC WORKS ASSOCIATION  
 KANSAS CITY METRO CHAPTER  
 ROCK DITCH CHECKS  
 STANDARD DRAWING NUMBER ESC-01 ADOPTED 01/24/2016

# SITE ESC DETAILS