

**LOTS 6a & LOT 7
Of I-470 BUSINESS & TECHNOLOGY CENTER
STORMWATER POLLUTION PREVENTION PLAN
SWPPP**

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

PREPARED FOR:

**Ward Development
1120 NW Eagle Ridge Dr.
Grain Valley, MO 64029
Phone: 816-229-8115**

PREPARED BY"

***Quist Engineering Inc.
821 NE Columbus St.
Lee's Summit, MO 64063
Phone: 816-550-5675***

*1/7/2020
Rev 1-13-2020*

**Lot 6a AND Lot 7 of I-470 Business Center
STORMWATER POLLUTION PREVENTION PLAN**

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Lot 6a & Lot 7 of I-470 Business & Technology Center

NOTE: THIS STORMWATER POLLUTION PREVENTION PLAN SHALL BE RETAINED ONSITE AT THE PROJECT LOCATION WITH A COPY OF ALL ASSOCIATED PERMITS. APPROVED EROSION AND SEDIMENT CONTROL PLANS AND ENGINEERING DRAWINGS ARE NOT IN AND OF THEMSELVES THE STORMWATER POLLUTION PREVENTION PLAN BUT ARE A PART OF THE PLAN BY REFERENCE.

SITE DESCRIPTION

<p>Lot 6a & lot 7 of I-470 Business & Technology Center</p> <p>SITE LOCATION: 2730NE Independence Ave. Lee's Summit, MO 64064</p>	<p>LATITUDE: 38.961562</p> <p>LONGITUDE: -94.361226</p>	<p>OWNER NAME: WARD DEVELOPMENT</p> <p>ADDRESS: 1120 NW EAGLE RIDGE Grain Valley, MO 64029</p> <p>PHONE: 816-228-8115</p>	
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PROJECT DESCRIPTION: Grading for a new building and parking lot.

The project consists of the grading for future a new commercial buildings and parking lot. Soil disturbing activities will include: clearing and grubbing; installing erosion and sediment controls; grading excavation and preparation for final stabilization and seeding.

<p>SOIL INFORMATION AND TYPES</p>	<p>Based on the Soil Survey of Jackson County, by the USDA Soil Conservation Service. The primary soil types at this location are :</p> <p align="center">SIBLEY-URBAN LAND COMPLEX</p>
<p>RUNOFF COEFFICIENTS:</p>	<p>Runoff coefficients for each phase and section of the project are provided in the "Construction Plans and Profiles" Per "C" = 0.30 Post "C" = 0.30</p>
<p>SITE AREA</p>	<p>The site includes 2.4 acres of which 1.98 acres will be disturbed by construction activities.</p>
<p>SITE MAP</p>	<p>See Attached map</p>
<p>NAME OF RECEIVING WATERS</p>	<p>Un known reach into May Brook branch running into Lakewood Lake E</p>
<p>DESCRIPTION OF EXISTING</p>	<p>The existing vegetation consist of grass and with few trees with an average slope of 3%</p>

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Lot 6a & Lot 7 of I-470 Business & Technology Center

ESTIMATED PROJECT DATES

START OF CONSTRUCTION: 1/15/2020

COMPLETION OF CONSTRUCTION: 5/15/2020

SEQUENCE OF MAJOR ACTIVITIES: The order of activities will be as follows:

1. Install Temporary construction entrance
2. Install temporary sediment control, silt fence, and other measures on Plan
3. Clearing and grubbing.
4. Rehabilitate and maintain existing rock check dam
5. Complete final seeding and stabilization.
6. Removal of accumulated sediment as needed
7. Removal of erosion and sediment controls.

CONTROLS

STRUCTURAL PRACTICES: The following erosion and sediment control structural practices will be incorporated on the site.

1. Temporary diversion silt fence
2. Temporary Construction Entrance
3. Rock Check Dam
4. Inlet Protection
5. Silt fencing. (as needed)

NONSTRUCTURAL PRACTICES: The following erosion and sediment control nonstructural practices will be incorporated on the site.

1. Seeding.
2. Sodding
4. Maintenance of all ground cover

DESCRIPTION OF STRUCTURAL AND NONSTRUCTURAL PRACTICES

Describe each practice that will be used on the project. Explaining materials used, dimensions etc.

- 1. A silt fence, silt fence shall be used to retain and divert water to allow the sedimentation to settle out.*
- 2. Rock check dam, Rock check dam will be used prior to the existing area inlet to slow the runoff down long enough to allow the sedimentation to settle out*

EXPLANATION OF PRACTICES

Specify where, why and how each practice is used and how it contributes to erosion and sediment control.

- 1. Sedimentation fence:** This silt fence will slow the runoff down and pond the runoff up. This ponding will allow the sediment in the runoff to settle out before leaving the site. This sediment will be cleaned out periodically
- 2. Rock Check Dam.** The rock check dam will slow the runoff down prior to entering the area inlet allow the separate of the sediment from the storm water.
This sediment will to be cleaned out periodically

STABILIZATION PRACTICES

- 1 Land shall be developed in increments of a workable size with erosion and sediment controls provided, maintained and temporarily stabilized by “Best Management Practices”, seeding and mulching or paving before and during the construction period. Permanent seeding and mulching to take place upon completion of the increment or phase. All seeding, temporary or permanent shall be in accordance with the Kansas City Metropolitan Chapter of the American Public Works Association [APWA], Division II Section 2400 “Seeding and Sodding”. These specifications are appended to and made apart of this Storm water Pollution Prevention Plan.
- 2 No areas shall be left denuded for any period longer than fourteen [14] days.
- 3 No unprotected, disturbed area shall drain to roadway pavements such that sub base, base or wearing surfaces are contaminated by silt and sediments trapped at low areas or inlets.
- 4 All utility trenches located outside of paved areas are to be seeded and mulched within fourteen [14] days after completion of backfilling operations.
- 5 Temporary controls such as earth berms, diversion dikes, and sediment traps are to be seeded and mulched within fourteen [14] days after grading is complete.
- 6 All sediment control measures shall be installed and maintained in conformance with specifications outlined in the Kansas City Metropolitan Chapter of the American Public Works Association [APWA], Division V Section 5100, “Erosion and Sediment Control”, and recognized “Best Management Procedures”.
- 7 Areas where construction activity temporarily ceases for more than fourteen [14] days will be stabilized with a temporary seed.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

Inspections of the construction site shall be made by personnel familiar with the construction activity. Erosion and Sediment Control measures identified in the SWPPP shall be observed to ensure that they are operating correctly.

Inspections shall be conducted at least once every seven [7] calendar days and within **24 hours** of the end of any storm event creating runoff. These inspections shall cover disturbed areas that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, structural control measures, and locations where vehicles enter or exit the site.

Installation dates for controls shall be noted on plans kept at the site.

Where areas have been finally or temporarily stabilized or runoff is unlikely due to winter conditions [e.g., site is covered with snow, ice or frozen ground exists] such inspections shall be conducted at least once a month.

Built up sediment shall be removed when it reaches **one third** the height of sediment fence, inlet controls or rock ditch checks. **(contractor will remove accumulated sediment)**

All project boundaries, perimeters, drainages, structural and nonstructural practices [i.e. check dams, berms, inlet controls, sediment fencing, etc.] and outfalls shall be checked during each inspection and logged.

Standard inspection sheets and logs as contained in the SWPPP shall be used for weekly inspections and shall be retained on site as part of this Storm Water Pollution Plan. These logs should note problem areas, changes and dates when solutions were implemented. These should also be noted on erosion control plans as well.

Storm Water Management: Storm water drainage will be provided by curb and gutter, storm sewer and catch basins for the developed areas. Details of storm water management for each phase and section of the project are provided in the “Construction Plans ”

OTHER CONTROLS

OFFSITE VEHICLE TRACKING

Stabilized construction entrances will be provided to help reduce vehicle tracking of sediments. The paved street adjacent to the site will be swept as needed to remove any excess mud, dirt or rock tracked from the site. Dump trucks hauling material from the construction site will be covered with a tarpaulin.

NON-STORMWATER DISCHARGES

It is expected that the following non-storm water discharges will occur from the site during the construction period:

1. Water from water line flushing.
2. Pavement wash waters. [where no spills, leaks of toxic or hazardous materials have occurred]
3. Uncontaminated groundwater. [from dewatering excavation]

All non-storm water discharged will be directed to the sediment basin prior to discharge, where possible.

WASTE DISPOSAL

WASTE MATERIALS

All waste materials will be collected and stored in a proper receptacle in accordance with all local and state management regulations. All trash and construction debris from the site will be deposited in dumpsters. The trash will be hauled to a appropriate waste disposal site. No construction waste materials will be buried onsite. All project personnel will be instructed regarding the correct procedure for waste disposal.

HAZARDOUS WASTE

All hazardous waste materials will be disposed of in a manner specified by the manufacturer and as required by local or State regulation. Site personnel will be instructed in these practices.

SANITARY WASTE

All sanitary waste will be collected from the portable units as required by local and State regulation.

INVENTORY FOR POLLUTION PREVENTION PLAN

The materials or substances listed below are expected to be present onsite during construction:

- | | |
|--------------------|----------------------------|
| • Concrete | • Petroleum based products |
| • Wood | • Solvents |
| • Masonry block | • Detergents |
| • Roofing shingles | • Paints |
| • Tar | • Fertilizers |
| • Tires | • Herbicides |
| • Insulation | • Steel |

SPILL PREVENTION MATERIAL MANAGEMENT PRACTICES

The following are the materials management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff.

GOOD HOUSEKEEPING

The following good housekeeping practices will be followed onsite during the construction project.

- All materials stored onsite will be stored in a neat, orderly manner in the appropriate containers. Materials which have potential for contaminating runoff during storm events will be stored in their appropriate water-tight containers, stored under a canopy, tarpaulin, shrink wrapped or otherwise precluded from direct exposure to precipitation.
- Empty containers that may contain chemical residues shall be disposed of in accordance with State and local regulations.
- Products, where possible, will be kept in their original containers with the original manufacturers label.
- Chemical or petroleum products will not be mixed with one another unless recommended by the manufacturer.
- Whenever possible, all of a product will be used before disposing of the container.
- Manufacturers recommendations for proper use and disposal will be followed.
- The site superintendent will inspect daily to ensure proper use and disposal of materials onsite.

HAZARDOUS PRODUCTS:

These practices are used to reduce the risks associated with hazardous materials.

- Products will be kept in original containers unless they are not resealable.
- Original specimen labels and materials safety data sheets must be kept on file on the project.
- If surplus product must be disposed of, manufacturer's and/or local and State recommended methods for proper disposal will be followed.

PRODUCT SPECIFIC PRACTICES

The following product specific practices will be followed onsite.

PETROLEUM PRODUCTS

- All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage.
- It is recommended that, if practicable, all refueling, repair and changing of equipment and vehicle fluids shall be conducted in a designated area. This area shall be designed to reduce the potential for contamination of resources on the project and shall not be within 50 feet of wetlands, streams, water bodies, tree preservation areas or other environmentally sensitive areas.
- Petroleum products will be stored in tightly sealed containers, which are clearly labeled.
- An area will be designated for the collection and storage of all chemical and petroleum based products and containers for those products. The containers shall be protected from rain events.
- Any asphalt substances used onsite will be applied according to the manufacture's recommendations.
- The project superintendent will regularly inspect the site to insure proper disposal methods for used antifreeze, oils, filters, and other hazardous materials are followed.

FERTILIZERS

Fertilizers used will be applied according to manufacturer's product standards. The contents of partially sealed bags will be transferred to sealable plastic containers to avoid spills.

PAINTS

All containers will be tightly sealed and stored when no in use. Excess paint will be properly disposed of according to manufacturer's instructions or local and State regulations.

CONCRETE TRUCKS

Concrete trucks will not be allowed to wash out or discharge excess concrete or drum wash water on site.

SPILL CONTROL PRACTICES

In addition to the good housekeeping and material management practices discussed in previous sections of this plan, the following practices will be followed for spill prevention and cleanup

- Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and the cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and materials may include not be limited to brooms, dust pans, mops, rags, gloves goggles, absorbent material [oil dry, sand, sawdust] and plastic and metal trash containers.
- In the event of a spill of a hazardous substance, the spill will be immediately contained and the spill area kept well ventilated. Personnel will wear appropriated personnel protective clothing and equipment to prevent injury from contact with a hazardous substance during cleanup operations.
- Spills of toxic or hazardous material will be reported to the appropriate State, Federal, and local governmental agency, as required by regulatory standards.

STORMWATER POLLUTION PREVENTION PLAN COORDINATOR AND RESPONSIBILITIES

Duties of the SWPPP coordinator shall include implementation and maintenance of the SWPPP, conducting regular inspections and the documentation of changes to the SWPPP.

SWPPP COORDINATOR FOR PROJECT

Name: Robert Walquist

Company : Quist Engineering Inc.

Phone : 816-550-5675

CERTIFICATION OF COMPLIANCE

The Storm Water Pollution Prevention Plan reflects MDNR and local authority requirements for storm water management and erosion and sediment control as established in the County Code 241 and The Kansas City Metropolitan Chapter of the American Public Works Association [APWA] Division V Section 5100 "Erosion and Sediment Control"

OWNER CERTIFICATION OF POLLUTION PREVENTION PLAN

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted.. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name [signed]

Title

Company

Date

CONTRACTOR CERTIFICATION

[one each, for general contractor and subcontractors]

I certify under penalty of law that I understand the terms and conditions of the general National Pollution Prevention Discharge Elimination System {NPDES} permit that authorizes the storm water discharges associated with construction activity from the construction site identified as part of this certification.

Name [signed]

Title

Company name

Date

**APPENDIX
A**

INSPECTION SHEET AND LOGS

SWPPP Survey Checklist

Project No.:	Inspection Date:
Project Name:	Owner (Permittee):
Project Location:	Civil Engineer:
Superintendent:	NPDES Permit No.:

A SWPPP Survey was conducted on the project identified above. The following observations were noted during this survey.

Weekly Inspection
 Storm Event Inspection (>0.5 inches of rain)
 Rainfall (inches) _____

Storm Water Pollution Prevention Plan:	<input type="checkbox"/> Part of Grading Plans	<input type="checkbox"/> Separate Document
SWPPP in Project Office:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Operator Inspection Form and Log <input type="checkbox"/> Yes <input type="checkbox"/> No
Copy of Permit & Conditions in Office:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Site Area (in acres):
Name of receiving Waters or Streams:		
Grading Contractor:	<input type="checkbox"/> Subcontractor	<input type="checkbox"/> Contracted Direct to Owner

No.	I. Best Management Practices Inspection	Acceptable Condition	Action Taken
1.	Stabilized Construction Entrance	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
2.	Public Street Clean at Construction Entry	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
3.	Truck Wash Down Area	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
4.	Fabric Silt Fence	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
5.	Inlet Protection	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
6.	Sediment Basin	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
7.	Retention Basin	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
8.	Temporary Seeding or Mulching	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
9.	Erosion Control Mats	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
10.	Drainage Swales	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
11.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
12.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
13.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
14.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
15.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
16.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
17.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
18.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
19.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
20.			

No.	II. General Condition Questions/Checklist	Acceptable Condition	Comments
1.	Are BMP's Completed per the SWPPP?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
2.	Are BMP's routinely maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
3.	Are good site housekeeping practices observed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
4.	Is sediment from erosion being retained on site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
5.	Solid waste prohibited from being buried on site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
6.	Hazardous waste and paint removed from site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
7.	Has any disturbed site area been inactive > 14 days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Report Prepared by: _____ Carbon Copy to: _____

See Continuation Page: Yes No, END OF REPORT

SWPPP OPERATOR INSPECTION LOG

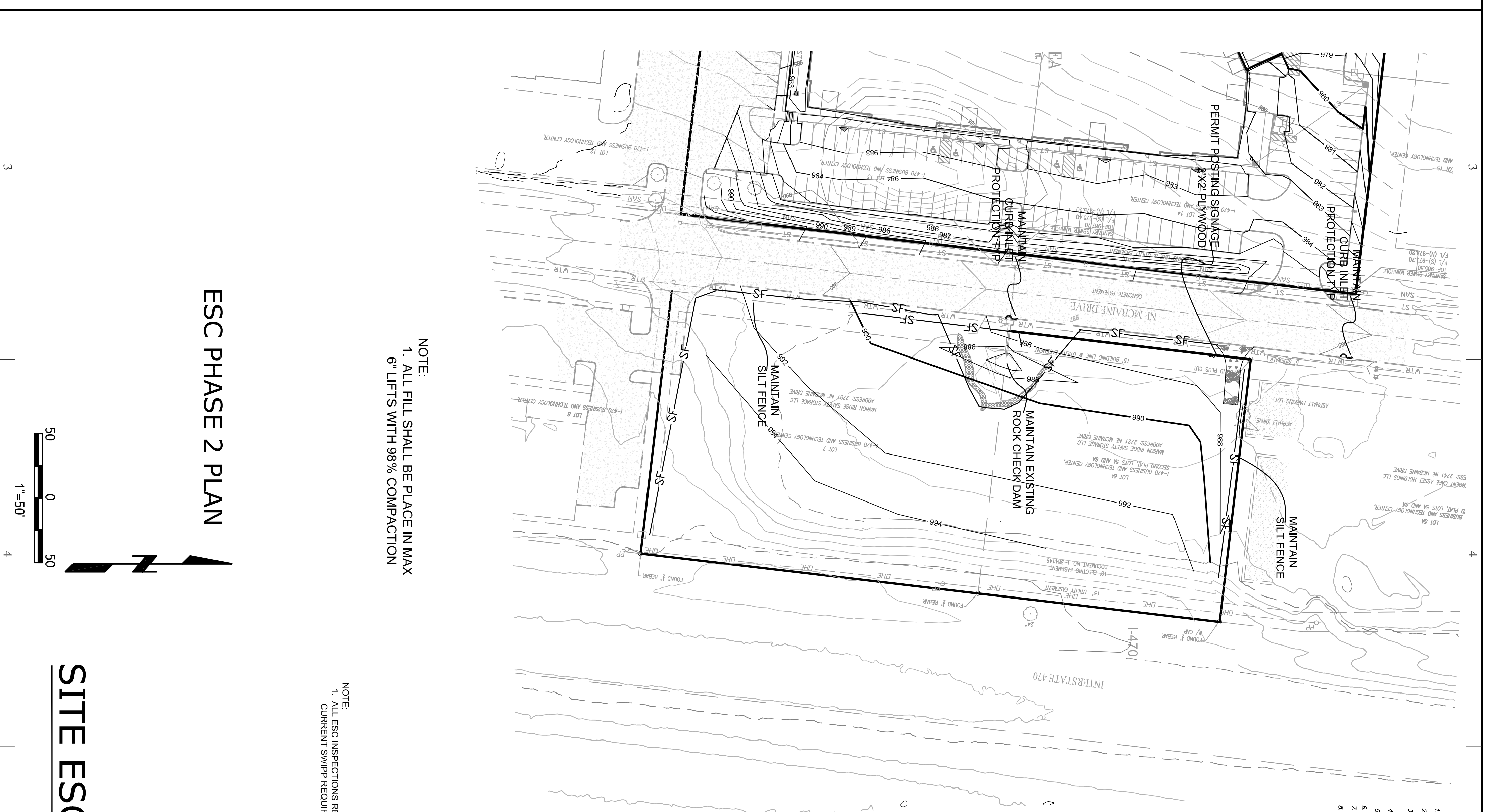
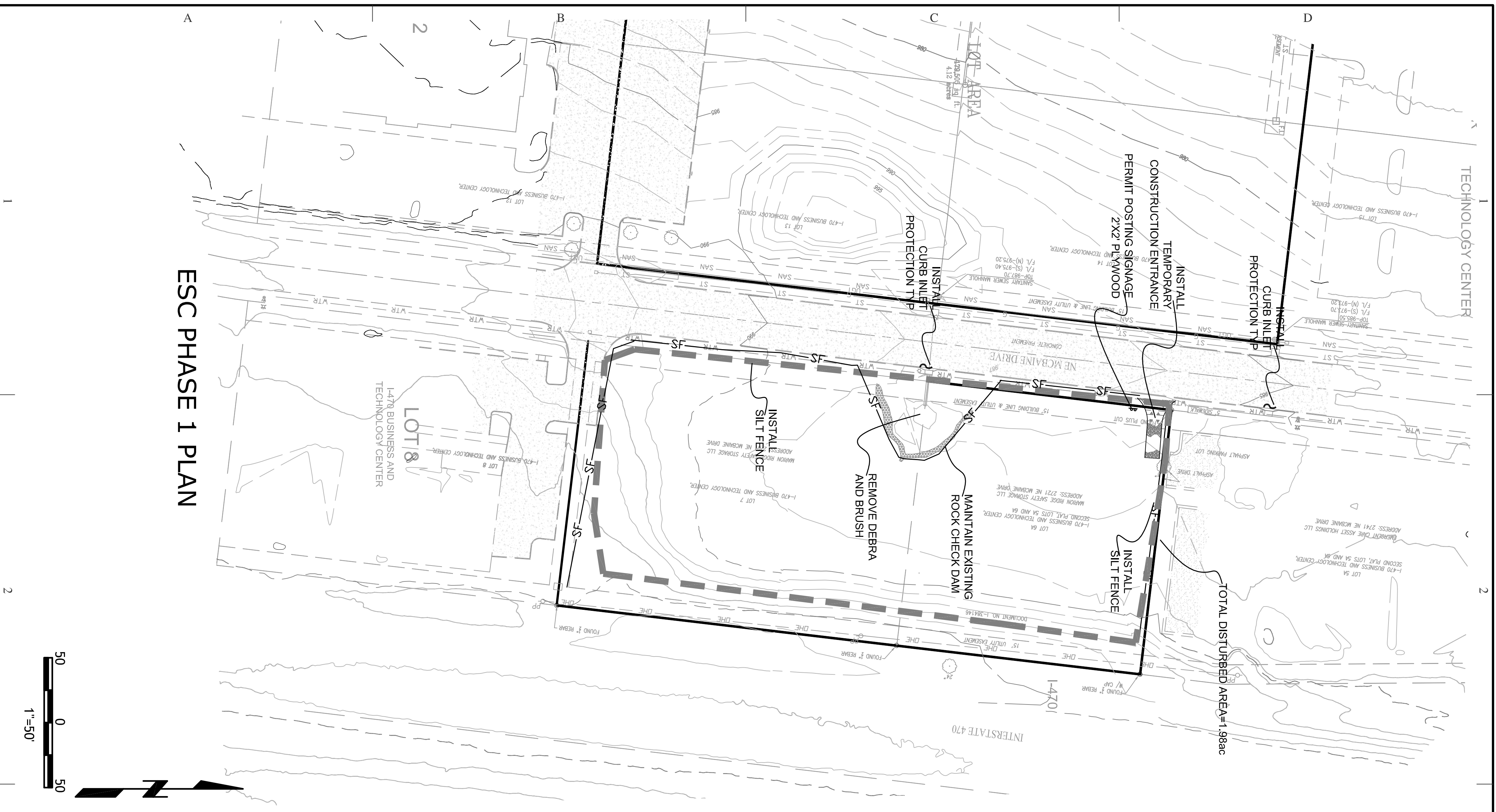
Project No.:	Page <u> </u> of <u> </u>
Project Name:	Owner (Permittee):
Project Location:	Civil Engineer:
Superintendent:	NPDES Permit No.:
Storm Water Pollution Plan: <input type="checkbox"/> Part of Grading Plans <input type="checkbox"/> Separate Document	
Site Area (in Acres):	Name of Receiving Waters or Streams:
Grading Contractor:	<input type="checkbox"/> Subcontractor <input type="checkbox"/> Contracted Direct to Owner

Item No.	Inspection Date	Inspection Conducted By	Inspection Type <i>Weekly (W) or Storm Event (S)</i>	BMP Condition <i>Good (G), Fair (F) or Poor (P)</i>	BMP Maintenance Required? Y/N	Date Maintenance Performed
1.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
2.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
3.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
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10.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
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12.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
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19.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
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21.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
22.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
23.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
24.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
25.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
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31.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
32.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
33.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	
34.			<input type="checkbox"/> W <input type="checkbox"/> S	<input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> P	<input type="checkbox"/> Y <input type="checkbox"/> N	

APPENDIX

B

PERMIT COPIES



NOTE:
1. ALL FILL SHALL BE PLACED IN MAX 6" LIFTS WITH 98% COMPACTION

NOTE:
1. ALL ESC INSPECTIONS REPORTS SHALL BE MADE PER THE CURRENT SWPPP REQUIREMENTS AND COPIES KEPT ON SITE.

- GENERAL NOTES:**
1. ADJACENT LAND AREAS SHALL BE PROTECTED FROM EROSION AND SLIDATION WITH HAY BALES OR RAJ-TEG FABRIC.
 2. SILT CONSTRUCTION SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED WITH END SECTIONS AND SLOPES.
 3. THE DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION WITH END SECTIONS AND SLOPES.
 4. THE DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION WITH END SECTIONS AND SLOPES.
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 9. THE DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION WITH END SECTIONS AND SLOPES.
 10. THE DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION WITH END SECTIONS AND SLOPES.

- PHASE 1**
SHALL INCLUDE THE FOLLOWING:
1. INSTALL SWPP SIGN AND LOCATION OF MDR PERMIT AND SWPP REPORTS
 2. INSTALL SILT FENCE
 3. CONSTRUCTION ENTRANCE
 4. REHABILITATE AND MAINTAIN EXISTING ROCK CHECK DAM TO MEET CITY'S SPECIFICATIONS.
- PHASE 2**
SHALL INCLUDE THE FOLLOWING:
1. MAINTAIN ALL ESC DEVICES
 2. REMOVE TOP SOIL AND TREES.
 3. ROUGH GRADE CUT AND ENGINEERED FILL
 4. SEED AND SOD ALL DISTURBED AREAS
- PHASE 3**
SHALL INCLUDE THE FOLLOWING:
1. FULLY VEGETATED SITE
 2. REMOVE SILTATION FENCE
 3. REMOVE INLET PROTECTION

SITE ESC PHASE 1 AND 2 PLAN

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SHEET NO.
C301

JOB NO.
E18-337