

Stormwater Pollution Prevention Plan

STADIUM PLACE WEST **General Permit**

May 6, 2011

Job Name:

Stadium Place West

Project Address:

201 South King Street Seattle Washington
98104

Project Description:

Above Grade Parking, Lobby and Retail Podium that supports two Residential Towers.

Master Use Permit:

Seattle DPD project #3009251

PROJECT TEAM

OWNER

DANIELS REAL ESTATE
2401 UTAH AVE S., SUITE 305
SEATTLE, WA 98134
CONTACT: CARL SHUMAKER 206-382-4600

ARCHITECT

ZIMMER GUNSUL FRASCA ARCHITECTS LLP
925 FOURTH AVE, SUITE 2400
SEATTLE, WA 98104
CONTACT: TOBIN THOMPSON 206-823-9414

RESIDENTIAL CONSULTANT

ANKROM MOISAN ARCHITECTS
117 MAIN ST., SUITE 400
SEATTLE, WA 98104
CONTACT: DAVID HEATER 206-576-1600

GENERAL CONTRACTOR

JTM CONSTRUCTION
1730 MINOR AVE., SUITE 1120
SEATTLE, WA 98101
CONTACT: BENJAMIN COFFMAN 206-587-4000

GEOTECHNICAL

GEO ENGINEERS
8410 154TH AVE NE
REDMOND, WA 98052
CONTACT: MATTHEW SMITH 425-861-6000

CIVIL

COUGHLIN PORTER LUNDEEN
413 PINE ST., SUITE 300
SEATTLE, WA 98101
CONTACT: JEFF PETERSON 206-343-0460

STRUCTURAL

COUGHLIN PORTER LUNDEEN
413 PINE ST., SUITE 300
SEATTLE, WA 98101
CONTACT: GARO PEHLIVANIAN 206-343-0460

MECHANICAL

HOLADAY PARKS, INC
4600 S 134TH PL.
SEATTLE, WA 98168
CONTACT: CHRIS WHITMYRE 206-248-9700

PLUMBING

AUBURN MECHANICAL
2623 WEST VALLEY HWY N
AUBURN, WA 98071
CONTACT: WADE WILLINGHAM 253-838-9780

FIRE PROTECTION

PATRIOT FIRE PROTECTION, INC
2707 70TH AVE E
TACOMA, WA 98424
CONTACT: KEVIN MARR 253-926-2290

ELECTRICAL & TELECOMMUNICATIONS

SPARLING
720 OLIVE WAY, SUITE 1400
SEATTLE, WA 98101
CONTACT: MICHAEL NEWBURY 206-667-0555

Pollution Prevention Team	Worksheet #1 Completed by: <u>Mike Clark</u> Title: <u>Superintendent</u> Date: <u>5/6/2011</u>
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Responsible Official: <u>Mike Clark</u>	Title: <u>Superintendent</u>
Team Leader: <u>Martin O'Leary</u>	Office Phone: <u>206-930-1242</u>
Responsibilities:	
<u>Weekly Site Inspection</u>	
<u>Record Keeping</u>	
<u>Stock Inventory</u>	

(1) _____	Title: _____
	Office Phone: _____
Responsibilities:	

(2) _____	Title: _____
	Office Phone: _____
Responsibilities:	

(3) _____	Title: _____
	Office Phone: _____
Responsibilities:	

Worksheet #10

Completed by: _____

Title: _____

Date: _____

Employee Training

Describe the annual training of employees on the SWPPP, addressing spill response, good housekeeping, and material management practices.

Training Topics	Brief Description of Training Program/Materials (for example, film, newsletter, class)	Schedule for Training (list dates)	Attendees
1) Line Workers			
Spill Prevention and Response			
Good Housekeeping			
Material Management Practices			
2) Pollution Prevention Team:			
SWPPP Implementation			
Monitoring Procedures			

PERMIT NUMBER WAR-_____

CONSTRUCTION STORMWATER GENERAL PERMIT DISCHARGE MONITORING REPORT (DMR)

PROJECT INFORMATION

Site Name:
Disturbed Acreage:
Location:
County:

Owner Name:
Permittee/Operator:
Mailing Address:

MONITORING DOCUMENTATION

Unique Discharge/Monitoring Point: _____ Monitoring Period: _____
(Use same description each month, use one DMR for each monitoring point) (Month/Year)

Please send your Discharge Monitoring Report (DMR) to Ecology every month, even if there is no discharge. Also, read the attached instructions before completing the DMR. If a section does not apply, please annotate "N/A", leaving no blanks.

Weekly Monitoring	Sampling Date (Month/Day/Year)	Turbidity (NTU's- Nephelometric Turbidity Units)	Transparency (Centimeters)	pH (If applicable)	Treatment BMPs Used Prior to Discharge from Site (List <u>all</u> that apply) P = Sediment Pond/Trap/Tank/Vault C = Chemical Treatment/Sand Filter S = Silt Fence W = Straw Wattles/Coir Wattles D = Check Dam/Triangular Silt Dike O = Other	No Discharge This Week (Check if applicable)
Example	10/06/06	32	N/A	N/A	P, S, W	
Week 1						
Week 2						
Week 3						
Week 4						
Week 5						

No soil disturbing construction activities have taken place on the site yet. Construction is expected to begin on _____
 There was no discharge during normal working hours this month (provide comments or explanation below)

COMMENTS / EXPLANATIONS

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY JUDGEMENT OR MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION; I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND/OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS)

NAME/TITLE OF PERSON WITH SIGNATORY AUTHORITY (SEE REVERSE)	DATE: MONTH DAY YEAR
SIGNATURE OF PERSON WITH SIGNATORY AUTHORITY	TELEPHONE NUMBER OF PERSON WITH SIGNATORY AUTHORITY

MAIL YOUR DMR (WITHOUT INSTRUCTIONS PAGE) TO:
DEPARTMENT OF ECOLOGY, WATER QUALITY PROGRAM - CONSTRUCTION STORMWATER, P.O. BOX 47696, OLYMPIA, WA 98504-7696

INSTRUCTIONS AND FREQUENTLY ASKED QUESTIONS FOR COMPLETING THE DMR FORM

PROJECT INFORMATION

1. How can I update contact information and/or mailing addresses? You can update any project information by submitting a Notice of Intent (NOI) Application Form and checking the box in the upper right hand corner next to "Change/Update Permit Information". Complete only the boxes that are being updated and submit the signed form to the same address as the DMR.

MONITORING DOCUMENTATION

1. How often do I sample? Once initial soil-disturbing activity occurs, sampling must be conducted at least once every calendar week when there is a discharge of stormwater (or authorized non-stormwater) from the site.
2. Where do I sample? Sampling is required at all discharge points where stormwater (or authorized non-stormwater such as de-watering water) is discharged off-site.
3. When stormwater leaves my site from more than one location, what do I need to do?
 - a. Use a separate DMR sheet for each location where stormwater is discharged from the site.
 - b. Enter a unique name or description of the monitoring location (for example: Pond 1; or West Ditch). Use the same monitoring location name each month.
 - c. All sampling point(s) must be identified on the Storm Water Pollution Prevention Plan (SWPPP) site map and be clearly marked in the field with a flag, tape, stake or other visible marker.
4. What if I don't have a discharge off site for an entire week? If there was no discharge during a calendar week, sampling is not required; mark an X in the "No Discharge" column for that week. If there was no discharge during a calendar month, mark the "No Discharge" box at the bottom of the table.
5. If it rains at 3 AM on my site do I have to get up and sample at that hour? Sampling is not required outside of normal working hours or during unsafe conditions. If you are unable to sample during a monitoring period, you must include a brief explanation in the "Comment/Explanation" box of the DMR.
6. What kind of stormwater turbidity/transparency sampling do I have to do? If construction activity disturbs 5 acres or more, the permit requires you to conduct turbidity sampling, using a turbidity meter. If construction activity disturbs greater than or equal to 1 acre, but less than 5 acres, you may conduct either transparency sampling (with a transparency tube) or turbidity sampling (with a turbidity meter). Enter turbidity or transparency values collected each week on the DMR.
7. What if my turbidity result is greater than 250 NTU or less than 6 centimeters (cm) transparency? If any discharge is greater than 250 NTU or less than 6 centimeters (cm) transparency, daily sampling must be conducted, and recorded in the attached sampling log (on page 2). Write the date, sampling data (number), and unit (NTU or cm). Continue to sample daily until:
 - a. Turbidity is 25 NTU (or lower); or
 - b. Transparency is 31 cm (or greater); or
 - c. The CESCL has determined compliance with the water quality standard for turbidity:
 1. No more than 5 NTU over background turbidity, if background is less than 50 NTU, or
 2. No more than 10% over background turbidity, if background is 50 NTU or greater; or
 - d. The discharge stops or is eliminated.
8. When do I have to sample for pH? If construction activity will result in the disturbance of 1 acre or more, and involves significant concrete work or the use of engineered soils, and stormwater from the affected area drains to surface waters of the state or to a storm sewer system that drains to surface waters, the Permittee shall conduct pH monitoring:
 - a. Definitions:
 - o *Significant Concrete Work* means greater than 1000 cubic yards poured or recycled concrete.
 - o For poured concrete, the 1000 cubic yard threshold is met if a single or multiple concrete pours on the site results in greater than 1000 cubic yards of concrete curing at the same time. Typical curing time is less than 30 days. If individual concrete pours smaller than 1000 cubic yards occur more than 30 days apart, pH sampling is not required unless required by Ecology order.
 - o For recycled concrete, the 1000 cubic yard threshold is met if greater than 1000 cubic yards of concrete is recycled or crushed on-site.
 - o *Engineered Soils* means the use of soil amendments including, but not limited to, Portland cement treated base (CTB), cement kiln dust (CKD), or fly ash to achieve certain desirable soil characteristics.

- b. For *significant concrete work*, pH monitoring begins when the concrete is first exposed to precipitation and continues weekly until stormwater pH is 8.5 or less.
- c. For sites with engineered soils, the pH monitoring period shall commence when the soil amendments are first exposed to precipitation and shall continue until the area of engineered soils is fully stabilized.
- d. During the pH monitoring period, the Permittee shall obtain a representative sample of stormwater and conduct pH analysis at least once per week.
- e. The Permittee shall monitor pH in the sediment trap/pond(s) or other locations that receive stormwater runoff from the area of significant concrete work or engineered soils prior to discharge to surface waters.
- f. The benchmark value for pH is 8.5 standard units. Any time sampling indicates that pH is 8.5 or greater, the Permittee shall:
 - 1. Prevent the high pH water (8.5 or above) from entering the storm sewer systems or surface waters; and
 - 2. If necessary, adjust or neutralize the high pH water using an appropriate treatment BMP such as carbon dioxide (CO₂) sparging or dry ice. The permittee shall obtain written approval from Ecology prior to using any form of chemical treatment other than CO₂ sparging or dry ice. Information on CO₂ sparging / dry ice BMP can be found on Ecology's web site at: www.ecy.wa.gov/programs/wq/stormwater.
- g. The Permittee shall perform pH analysis on-site with a calibrated pH meter, pH test kit, or wide range pH indicator paper. The Permittee shall record pH monitoring results in the site log book.

9. What do the treatment BMP letter codes on the form mean? For any discharge, report the type of treatment Best Management Practice(s) (BMPs) applied to the stormwater (or non-stormwater) prior to discharge from the site. Use the letter code (e.g., P for Pond) which corresponds which each type of BMP listed. If multiple treatment BMPs are used, list the letter code for each type of BMP.

9. What if I haven't started clearing or grading my site? If initial soil disturbing activity has not occurred yet, mark an X in the applicable box, indicate estimated construction start up date and submit the DMR each month.

10. Who should sign the report?

A. This report shall be signed as follows:

- 1. Corporations, by a responsible corporate officer of at least the level of vice president of a corporation or a duly authorized representative;
- 2. Partnerships, by a general partner of a partnership or a duly authorized representative;
- 3. Sole proprietorships, by the proprietor or a duly authorized representative; or
- 4. Municipal, state, or other public facility, by either a principal executive officer, ranking elected official or a duly authorized representative.

B. A person is a duly authorized representative only if:

- 1. The authorization is made in writing by a person described above and submitted to the Ecology.
- 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or having overall responsibility for environmental matters.

C. Changes to authorization:

If an authorization is no longer accurate, submit a new authorization to Ecology prior to (or together with) any reports, information, or applications to be signed by an authorized representative.

ADDITIONAL SAMPLING

1. What if I take additional samples or have more information to submit than will fit on the provided forms? You can submit any additional information on separate sheets of paper. You may also attach lab sheets, if you use a lab for analysis. Please sign, date and document the site information on those sheets so that they can be included in your file.

ADDITIONAL INFORMATION

1. Mail the DMR to: Department of Ecology, Water Quality Program- Construction Stormwater, P.O. Box 47696, Olympia, WA 98504-7696

2. Who can I call for assistance? If you have questions or concerns, please contact Ecology's Water Quality Reception Desk at (360) 407-6600. Please have your site name, location, and permit number available when calling.

For more information, additional forms and/or additional copies of the permit; please visit our web site: <http://www.ecy.wa.gov/programs/wq/stormwater/construction>.

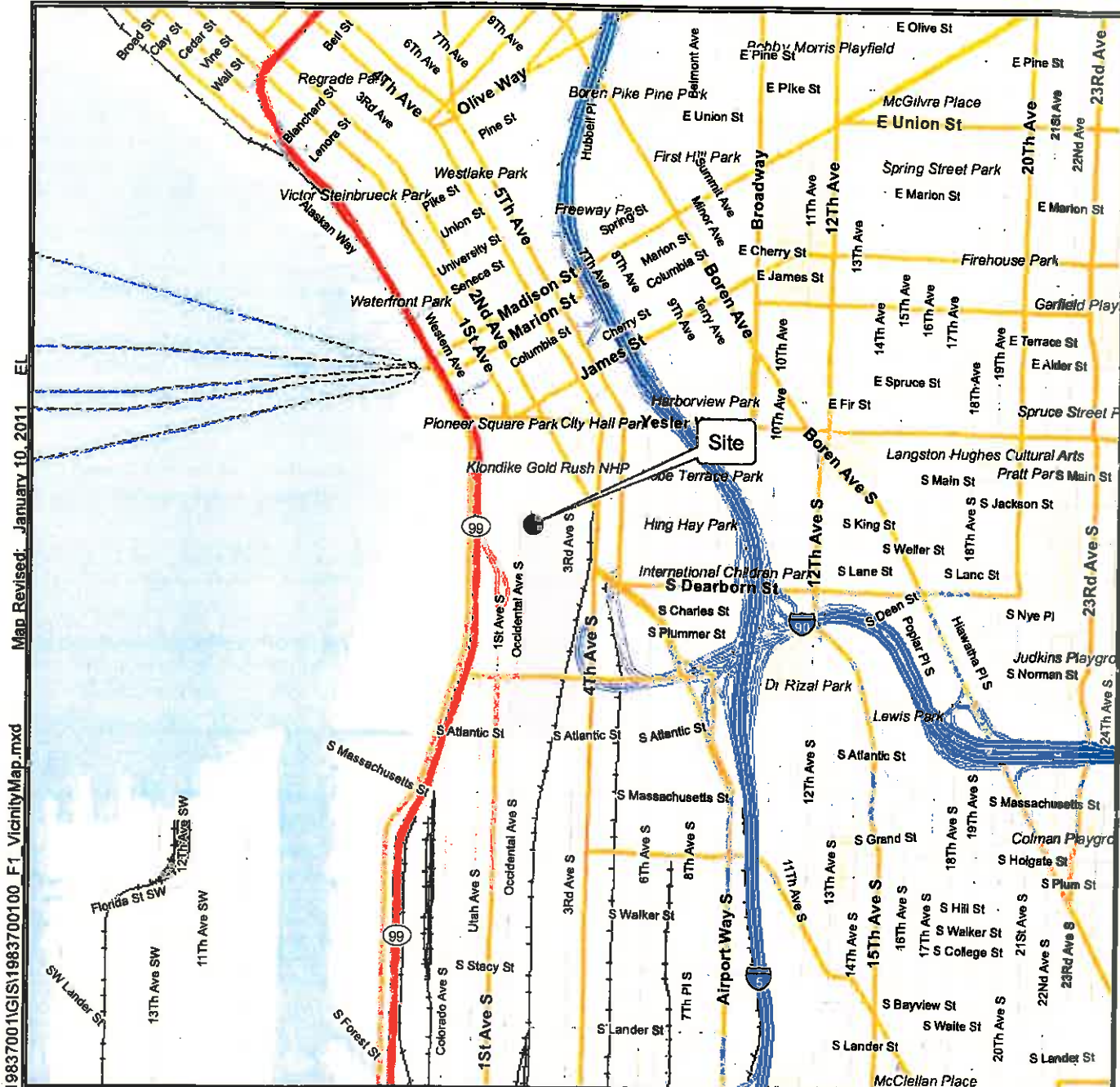
Construction Stormwater SITE INSPECTION CHECKLIST

Project _____ Permit No. _____ Inspector _____ Date _____ Time _____

Site BMPs	Overall Condition	Need Repair?				Comments/Observations
Clearing Limits • Buffer Zones around sensitive areas • •	G F P G F P G F P	Y N Y N Y N				
Construction Access/Roads • Stabilized site entrance • Stabilized roads/parking area •	G F P G F P G F P	Y N Y N Y N				
Control Flow Rates • Swale • Dike • Sediment pond • Sediment trap • •	G F P G F P G F P G F P G F P G F P	Y N Y N Y N Y N Y N Y N				
Install Sediment Controls • Sediment pond/trap • Silt fence • Straw bale barriers • • •	G F P G F P G F P G F P G F P	Y N Y N Y N Y N Y N				
Preserve Vegetation/Stabilize Soils • Nets and blankets • Mulch • Seeding • •	G F P G F P G F P G F P	Y N Y N Y N Y N				
Protect Slopes • Terrace • Pipe slope drains • •	G F P G F P G F P G F P	Y N Y N Y N Y N				
Protect Drain Inlets • Inserts • •	G F P G F P G F P	Y N Y N Y N				
Stabilize Channels and Outlets • Conveyance channels • Energy dissipators •	G F P G F P G F P	Y N Y N Y N				
Control Pollutants • Chemical Storage Area covered • Concrete handling •	G F P G F P G F P	Y N Y N Y N				
Control De-watering •	G F P	Y N				

G=Good F=Fair P=Poor Y=Yes N=No

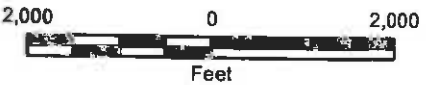
Site Vicinity Map



Map Revised: January 10, 2011

Path: W:\Redmond\Projects\1919837001\GIS\1983700100_F1_VicinityMap.mxd

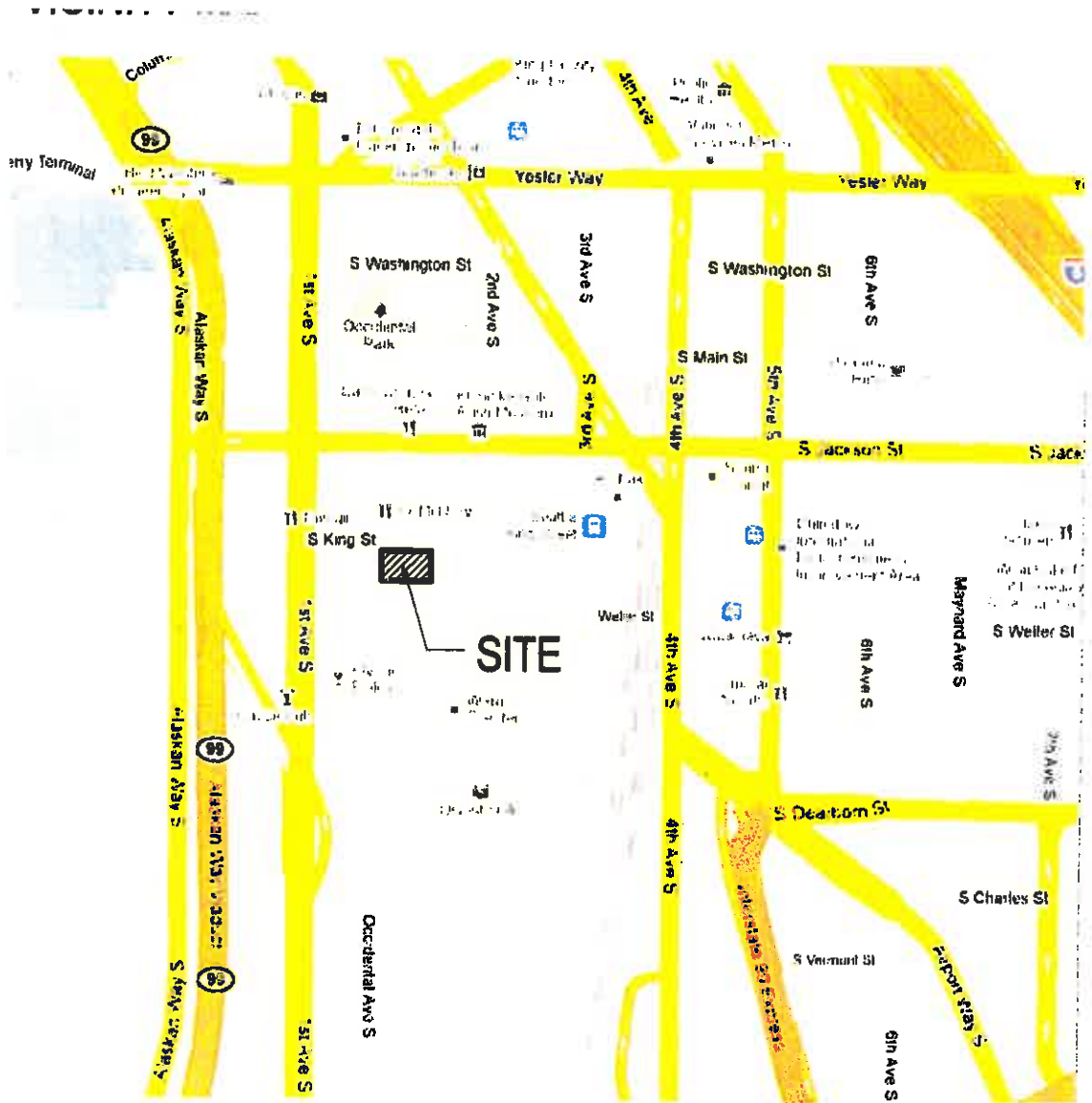
Office: Redmond



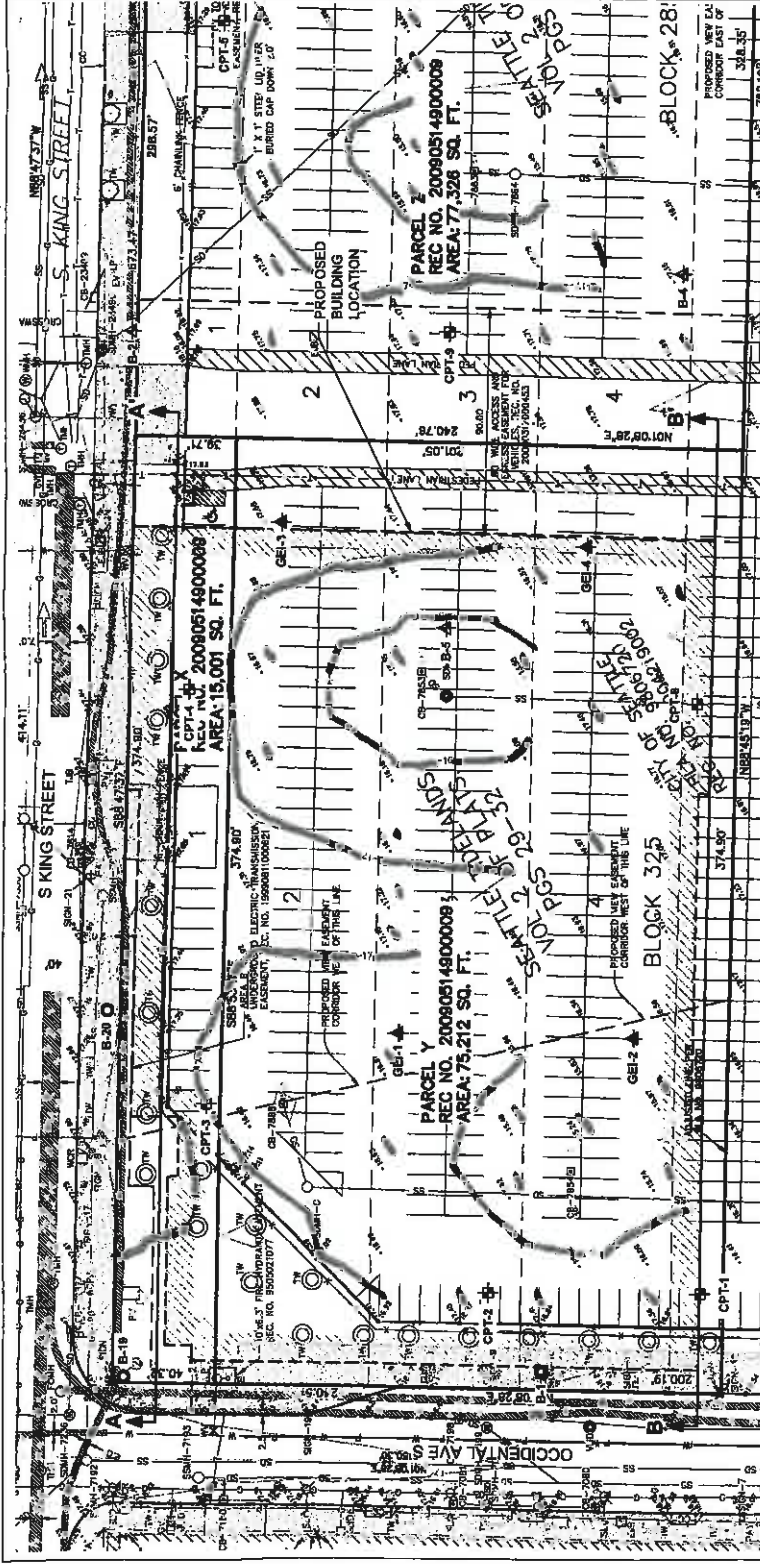
- Notes:
1. The locations of all features shown are approximate.
 2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
 3. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without permission.

Data Sources: ESRI Data & Maps, Street Maps 2005
 Transverse Mercator, Zone 10 N North, North American Datum 1983
 North arrow oriented to grid north

Vicinity Map	
Qwest Field North Parking Lot Project Seattle, Washington	
GEOENGINEERS	Figure 1



Topography Drawing



Exploration Location Plan
Qwest Field North Parking Lot Project
Seattle, Washington

GEOENGINEERS **Figure 2**

TOPOGRAPHY DRAWING

Legend

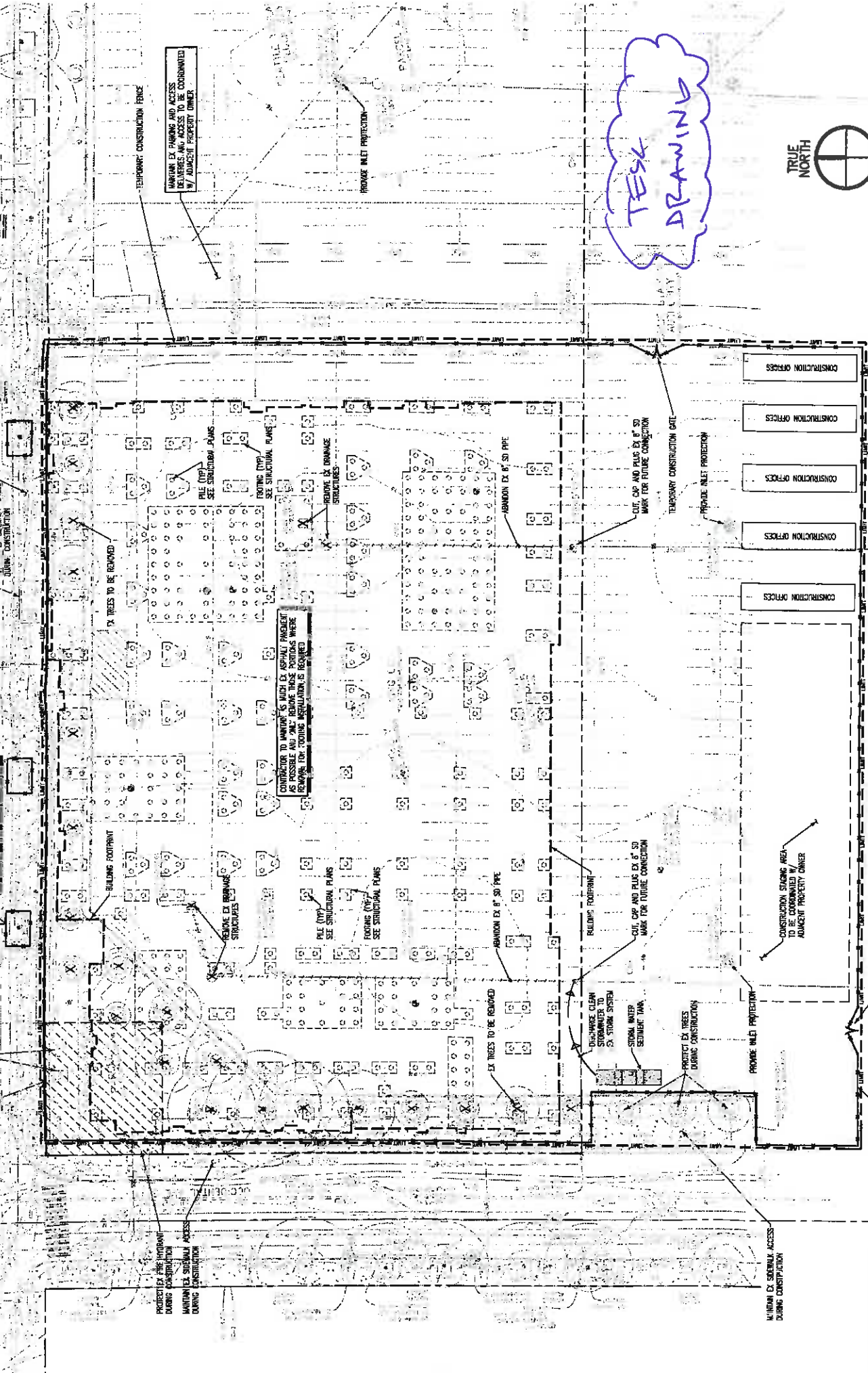
- GEL-1 CPT Exploration by GeoEngineers for this study
 - B-4 Approximate boring location by Terra Associates, dated November, 2008
 - CPT-1 Approximate CPT location by Terra Associates, dated November, 2008
 - B-20 Approximate Boring location by Metropolitan Engineers, Inc. dated 1993-1993
 - B-1 Approximate Boring location by Geogroup Northwest, Inc. dated October 25, 1996
- A A' Cross-Section location

Notes

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. may be contacted for more information. GeoEngineers, Inc. and all data are the official record of this communication.

Reference: Site plan provided by Zimmer Gunsul Frasca Architects and was dated October 21, 2010.

Existing Drainage Drawing



TEMPORARY CONSTRUCTION FENCE
 MAINTAIN EX PARKING AND ACCESS
 EX TREES AND ACCESS TO BE COORDINATED
 W/ ADJACENT PROPERTY OWNER

CONTRACTOR TO MAINTAIN AS MUCH EX ASPHALT PAVEMENT
 AS POSSIBLE AND ONLY REMOVE THOSE PORTIONS WHERE
 REMOVAL FOR FOOTING INSULATION IS REQUIRED

TESC
 DRAWING



EXISTING DRAINAGE DRAWING

C1.0

PROTECT EX TREE
 DURING CONSTRUCTION
 MAINTAIN EX SIDEWALK ACCESS
 DURING CONSTRUCTION

MAINTAIN EX SIDEWALK ACCESS
 DURING CONSTRUCTION

REMOVE EX DOWN
 DRAINAGE SYSTEM
 EX STORM SYSTEM

STORM WATER
 SEDIMENT TANK

PROTECT EX TREES
 DURING CONSTRUCTION

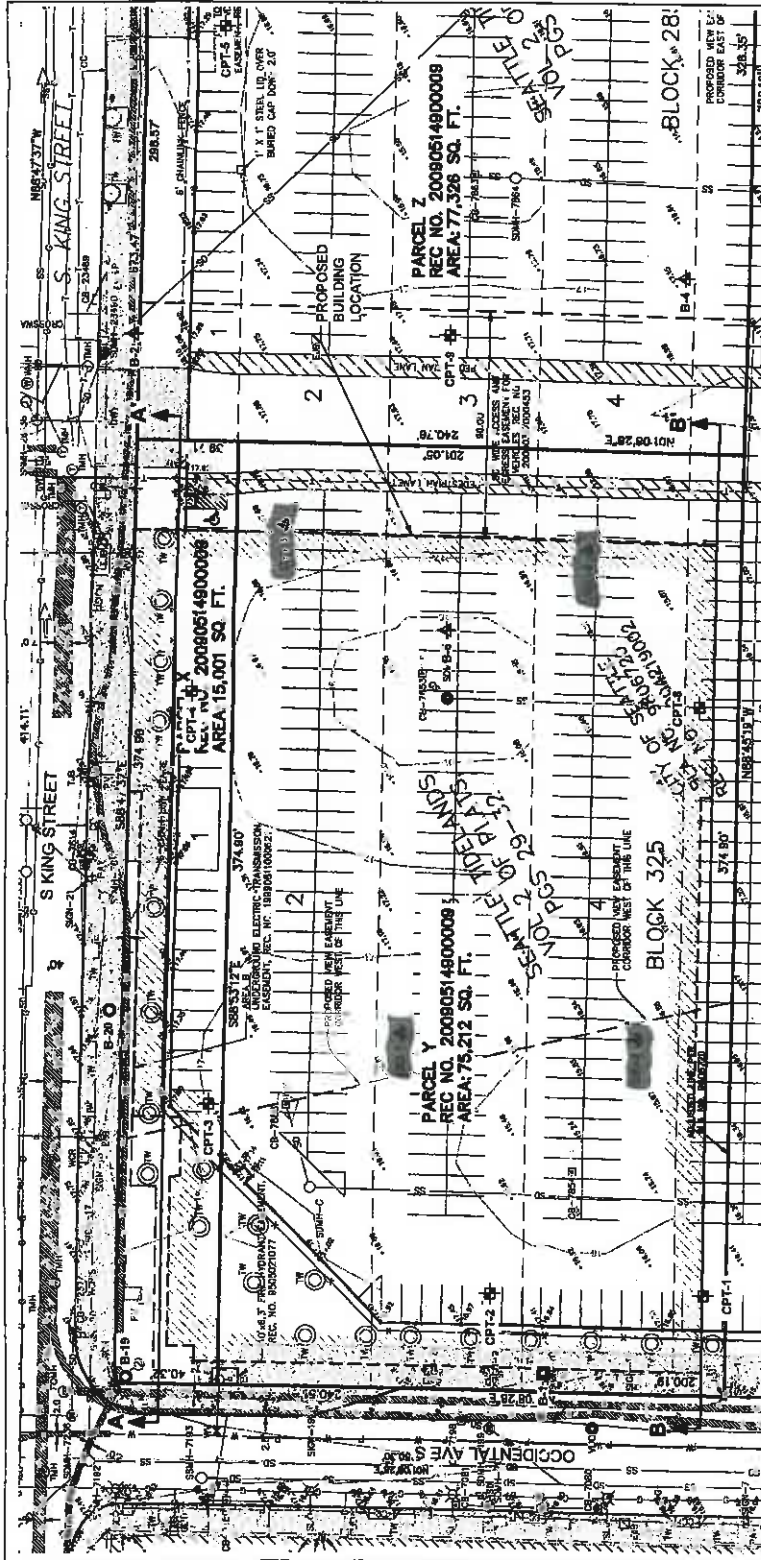
PROVIDE INLET PROTECTION


CONSTRUCTION STAGING AREA
 TO BE COORDINATED W/
 ADJACENT PROPERTY OWNER

TEMPORARY CONSTRUCTION FENCE
 Inc. For usage Conditions Agreement see www.bxva.com Always Verify Scale





1.0 Demolition and TESC Plan
 provided to Builders Exchange of WA

Soil Types




Exploration Location Plan
 Qwest Field North Parking Lot Project
 Seattle, Washington
GEOENGINEERS  **Figure 2**

Legend

-  B-4 Approximate boring location by Terra Associates, dated November, 2002
-  CPT-1 Approximate CPT location by Terra Associates dated November, 2008
-  B-20 Approximate Boring location by Metropolitan Engineers, Inc. dated 1985-1987
-  B-1 Approximate Boring location by Geogroup Northwest, Inc. dated October 25 1996

Cross-Section location

A A' 

SOIL TYPES

Notes

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2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic data or records of this communication.

Reference: Site plan provided by Zimmer Gunsul Frasca Architects and was dated October 28, 2010.

TABLE C-2. SUMMARY OF SOIL PROFILE

Depth (ft)	Material Type	γ (pcf)	Lower Bound V_s (ft/s)	Best Estimate V_s (ft/s)	Upper Bound V_s (ft/s)	Shear Modulus Reduction/Damping Curves
0-10	Sand Fill	100	235	285	350	EPRI: Deep, Cohesionless soils: 0-20 feet
10-30	Sand Fill	110	300	350	400	EPRI: Deep, Cohesionless soils: 0-20 feet
30-40	Dense Sand	125	700	800	900	EPRI: Deep, Cohesionless soils: 21-50 feet
40-50	Glacially Consolidated	130	1200	1200	1200	EPRI: Deep, Cohesionless soils: 121-250 feet
50-60	Glacially Consolidated	130	1300	1300	1300	EPRI: Deep, Cohesionless soils: 121-250 feet
60-80	Glacially Consolidated	130	1400	1400	1400	EPRI: Deep, Cohesionless soils: 121-250 feet
80-100	Glacially Consolidated	130	1525	1525	1525	EPRI: Deep, Cohesionless soils: 121-250 feet
100-115	Glacially Consolidated	130	1650	1650	1650	EPRI: Deep, Cohesionless soils: 251-500 feet
115-145	Glacially Consolidated	130	1775	1775	1775	EPRI: Deep, Cohesionless soils: 251-500 feet
145-180	Glacially Consolidated	130	2000	2000	2000	EPRI: Deep, Cohesionless soils: 251-500 feet
180-200	Glacially Consolidated	130	2000	2000	2000	EPRI: Deep, Cohesionless soils: 251-500 feet
> 200	Glacially Consolidated	135	2250	2250	2250	Visco-elastic half-space (assumed bedrock)

Notes:

ft = feet

pcf = pounds per square foot



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Erosion Control - Blankets

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S75



S150



Straw Blankets

Part #	Description
41005	S75 6.67' AG Straw Blanket/Roll
41010	S75 BN 100% Straw Bionet/Roll
41015	S150 6.67' AG Straw Blanket/Roll

Developed for moderate to steep slopes and low-flow swales where protection is required for only a short period before vegetation establishment.

Straw Coconut Blankets

Part #	Description
41020	SC150 6.67' Straw Coconut Blanket/Roll
41025	SC150BN Straw Coconut Blanket/Roll

Developed for severe slopes, medium flow channels, and applications requiring long-term protection before complete vegetation establishment.



SC150



C125



P300

Flexible Channel Liners

Part #	Description
41030	C125 6.67' Coconut Blanket/Roll
41035	C350 Turf Reinforcement Mat
41040	P300 Channel Liner/Roll

Developed for extreme slopes, high-discharge channels, and applications requiring semi-permanent to permanent protection and vegetal reinforcement.

New Products from North American Green - Composite Turf Reinforcement Mat
 P550 6.67' UV Stabilized polypropylene fiber matrix in a three-dimensional mat
 SC250 6.67' Straw/Coconut fiber matrix in a three-dimensional mat

Call us at 208.322.6800 or toll free at 888.574.7732 for pricing information



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Geojute	
Part #	Description
41045	Geojute 4' x 225' / Roll



Call us at 208.322.6800 or toll free at 888.574.7732 for pricing information

Prices subject to change without notice!

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Part #	Geojute Description
41045	Geojute 4' x 225' / Roll



Call us at 208.322.6800 or toll free at 888.574.7732 for pricing information

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Erosion Control - Wattles

What are they?

STRAW WATTLES™ are tubes of rice straw used for erosion control, sediment control and stormwater runoff control. Each Wattle is 8 - 9 inches diameter, 25 feet long, and weighs about 40 pounds. Straw Wattles of different lengths can be special ordered. Straw Wattles can be made with UV degradable plastic netting for longevity, or with 100% bio-degradable burlap for sensitive sites.

Wattles made with the plastic netting will last approximately 3 - 5 years, with the straw bio-degrading and the netting breaking down to small pieces from sunlight. Although rice straw lasts longer than other kinds of straw because of its high silicon content, the bio-degradable Wattles will last only a season to a year due to the fairly rapid break-down of the burlap covering.



STRAW WATTLES help to stabilize slopes by shortening the slope length and by slowing, spreading and filtering overland water flow. This helps to prevent sheet erosion as well as rill and gully development, both of which occur when runoff flows uninterrupted down a slope. Stormwater runoff carries sediment and seeds off slopes as it gathers velocity, but Straw Wattles capture that sediment and hold it on site enabling seeds to settle and germinate, aiding the revegetation process. In addition, by filtering overland runoff and holding sediment on the slope, Straw Wattles help to



protect lakes, ponds, rivers and streams from sediment pollution.

STRAW WATTLES can also be used on flat ground projects such as urban development construction sites. They can be snaked around storm drains to protect them from sediment pollution and installed along sidewalks on the bare lot side to prevent sediment from washing into the gutters. They can also be used to contain spoils piles and as water bars on access roads. With flat-ground usage, if the Wattles do not become too soiled, they can be picked up, stored and re-used. When used on slopes Straw Wattles can be left in place, avoiding the extra labor costs of returning to the site for removal. Wattles will give slope protection for 3 to 5 years as they slowly decompose into a mulch, and the netting breaks down into little pieces.



Wattle Installation Instructions

Call us at 208.322.6800 or toll free at 888.574.7732 for pricing information

Prices subject to change without notice!

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- [Material Handling](#)
- [Parking Lot / Traffic Safety](#)
- [Safety Cabinets / Cans](#)
- [Spill Kits](#)
- [Spill Containment](#)
- [Storage / Handling](#)
- [Storage Buildings](#)
- [Stormwater](#)
- [Sort by Manufacturer](#)

ULTRATECH - DRAIN GUARDS



- Remove waste from stormwater before it can become a problem in the water system.
- Complies with NPDES, 40 CFR 122.26 when used as best management practice in storm water pollution prevention plans.
- Ideal for use in Industrial Facilities, Construction Sites, and Parking Lots.

Quick Links: [Basin Guard](#) | [Curb Guard](#) | [Curb Guard Plus](#) | [Drain Guard](#) | [Recycled Drain Guard](#) | [Ultimate Drain Guard](#) | [Grate Guard](#) | [Grate Guard Plus](#) | [Gutter Guard](#) | [Gutter Guard Plus](#) | [HydroKleen](#) | [Passive Skimmer](#) | [Trench Filter](#)

Drain Guards

[Click here for a List of Models and Specifications >>](#)

Keep sediment and other pollutants from entering the water system with UltraTech's Drain Guard Catch Basin Inserts. Stormwater pollution has become a major concern both locally and on a national level. UltraTech Drain Guards remove waste from stormwater before it can become a problem in the water system. These basins help comply with NPDES, 40 CFR122.26 (1999) when used as Best Management Practice in Storm Water Pollution Plans.

UltraTech Drain Guard Inserts are designed for practical use in industrial facilities, construction sites, and parking lots. There are 3 categories of drain guards available, and include: oil and sediment, oil and sediment plus, and trash/debris model drain guards. The total water flow rate through the insert, in new condition, is in excess of 500 gpm. The bypass rate is approximately 700 gallons per minute.

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UltraTech Drain Guard

Model No.	Descriptions	Performance	Dimensions (L x W x H)	Weight
9217	Oil & Sediment Model (1-Pack)	Oil: Up to .87 Gallons Sediment: Up to 40 lbs.	48" x 36" x 18"	1 lbs.
9356	Oil & Sediment Model (1-Pack)	Oil: Up to .87 Gallons Sediment: Up to 40 lbs.	60" x 60" x 18"	2 lbs.
9218	Oil & Sediment Model (10-Pack)	Oil: Up to .87 Gallons Sediment: Up to 40 lbs.	48" x 36" x 18"	10 lbs.
9219	Oil & Sediment Plus (1-Pack)	Oil: Up to 1.38 Gallons Sediment: Up to 40 lbs.	48" x 36" x 18"	2 lbs.
9358	Oil & Sediment Plus (1-Pack)	Oil: Up to 1.38 Gallons Sediment: Up to 40 lbs.	60" x 60" x 18"	3 lbs.
9220	Oil & Sediment Plus (10-Pack)	Oil: Up to 1.38 Gallons Sediment: Up to 40 lbs.	48" x 36" x 18"	20 lbs.
9227	Trash & Debris Model (1-Pack)	1 cu. ft. (before reaching bypass ports)	48" x 36" x 18"	1 lbs.
9229	Trash & Debris Model (10-Pack)	1 cu. ft. (before reaching bypass ports)	48" x 36" x 18"	1 lbs.
9236	Optional Accessory: Pop Up Capacity Indicator			
9234	Optional Accessory: Grate Lifter			
9235	Optional Accessory: Grate Hook			
9237 or 9238	Optional Accessory: Retainers			

Compliance 40 CFR 122.26, and SPCC
U.S. Patent No.5,372,714 | 5,575,925

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- Storm Water Management
- Cigarette Receptacles
- Facility Protection
- Spill Response & Decontamination Kits
- Gas Cylinder Handling
- Drum Funnels & Accessories

DESIGNED PRODUCTS



Material Handling



Ready Spill Berms



Safety Storage Cabinets

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ULTRATECH - DEWATERING BAG



- Remove waste from stormwater before it can become a problem in the water system.
- Complies with NPDES, 40 CFR 122.26 when used as best management practice in storm water pollution prevention plans.
- Ideal for use in Industrial Facilities, Construction Sites, and Parking Lots.

Quick Links: [Dewatering Bag](#) | [Gully Guard](#) | [Pipe Sock](#) | [Silt Dike](#) | [Silt Fence](#) | [Storm Wattles](#)

Dewatering Bags

UltraTech Dewatering Bags are designed to contain sediment and oil pumped out during dewatering operations. Standard and custom sizes are available. These bags can accommodate up to 6" discharge hose. Flow rates will vary dramatically according to soil type. Sand will typically flow at the fastest rate with clay flowing the slowest. Clay can also bind over the fabric in some instances blocking flow entirely. Clean fabric will flow at 90 gallons per square feet. Dewatering bags are normally allowed to dry in place then cut open and removed with heavy equipment.



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UltraTech Dewatering Bag

Model No.	Descriptions	Dimensions	Approx. Capacity	Total Weight Full
9724-O/S	Oil and Sediment Dewatering Bag	6' x 6' x 1'	36 ft. ³	4,320 lbs.
9725-O/S	Oil and Sediment Dewatering Bag	10' x 15' x 1'	150 ft. ³	18,000 lbs.
9727-O/S	Oil and Sediment Dewatering Bag	15' x 15' x 1'	225 ft. ³	27,000 lbs.

Compliance 40 CFR 122.26

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Universal General Purpose Spill Kit (30 Gallon)

Product #: CEP-GPSK30

Our Price (ea.):
\$272.94

Qty: **BUY NOW**

Quantity	Price
1 - 2	\$272.94
3 +	\$253.83

Unpublished **Bulk Pricing Too Low to Advertise** Available @ 1-800-474-7294

Product Description:

Spill Kits Feature:

Spill kits are perfect for any and all disaster preparedness situations. Spill kits contain the finest quality products for oil only or universal spill control and are fully customizable.

Spill Kits Specifications:

- 30 Gallon Poly Drum With Lid
- 50 Sorbent Pads
- 6 Sorbent Socks
- 4 Sorbent Pillows
- 1 Pair Of Goggles
- 1 Pair Of Gloves
- 1 Disposable Bag

Please note: For items that ship by common carrier, you will be contacted by phone or email to confirm shipping charges prior to processing your order.

Product #: CEP-GPSK30	Product Name: Universal General Purpose Spill Kit (30 Gallon)	Price (ea.): \$272.94	Qty: <input type="text" value="1"/>	BUY NOW
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Customers also purchased...

EAGLE Spill Containment Pallets (4 Drum Spill Containment Pallet, Low Profile)



Our Price (ea.): **\$238.86**

Universal General Purpose Spill Kit (5 Gallon)



Our Price (ea.): **\$98.56**

Oil Only Spill Kit (20 Gallon)



Our Price (ea.): **\$197.13**

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EAGLE Flammable Storage Cabinets

[Product Listings](#)

Keep flammable liquids near work areas in Eagle Safety Storage Cabinets.

All flammable cabinets are constructed of 18-gauge steel. Sides, top, bottom, and doors are double-walled with a 1 1/2" air space between walls. Both vents, with 2" threaded fittings, have fire baffle and cap. Cabinets come in yellow high gloss powder finish with red warning, plus grounding attachment, 3-point key lock, and 2" raised, leakproof door sill. Each shelf is adjustable, supported by 4 brackets, and can support 350 pounds.

- Reinforced Double Wall Construction with 1.5" Air Space on Sides, Top, Bottom, and Doors
- Lead-Free High Gloss Polyester Hybrid Powder Baked-on Finish
- Continuous Piano Hinge
- 2" Vent with Fire Baffle and Cap
- 4 Adjustable Galvanized Levelling Legs
- Adjustable Galvanized Steel Shelves Hold 500 lbs.
- Internal & External Welded Construction
- 2" Vent with Fire Baffle and Cap
- Three Point Key Lock
- 2" Raised Leakproof Sill



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Select product type:



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[Flammable Miscellaneous Cabinets](#)



[Flammable Tower Cabinets](#)

Description:

	EAGLE 45 Gal. Flammable Storage Cabinet (Manual Close) (EM-1947) Capacity: 45 Gallons; Shelf Depth: 14.75"; Shelves: 2; Dimensions: 43" x 18" x 65"; Weight: 353 lbs. (more...)	Price (ea.): \$673.68 Qty: <input type="text" value="1"/> BUY NOW
	EAGLE 45 Gal. Flammable Safety Cabinets (Self-closing) (EM-4510) Capacity: 45 Gallons; Shelf Depth: 14.75"; Shelves: 2; Dimensions: 43" x 18" x 65"; Weight: 353 lbs. (more...)	Price (ea.): \$749.20 Qty: <input type="text" value="1"/> BUY NOW
	EAGLE 30 Gal. Flammable Safety Storage Cabinet (Manual Close) (EM-1932) Capacity: 30 Gallons; Shelf Depth: 14.75"; Shelves: 1; Dimensions: 43" x 18" x 44"; Weight: 257 lbs. (more...)	Price (ea.): \$544.22 Qty: <input type="text" value="1"/> BUY NOW
	EAGLE 30 Gal. Flammable Safety Cabinet (Self-closing) (EM-3010) Capacity: 30 Gallons; Shelf Depth: 14.75"; Shelves: 1; Dimensions: 43" x 18" x 44"; Weight: 257 lbs. (more...)	Price (ea.): \$610.15 Qty: <input type="text" value="1"/> BUY NOW
	EAGLE 4 Gal. Flammable Safety Cabinet (Manual close) (EM-1904) Capacity: 4 Gallons; Shelf Depth: 14.75"; Shelves: 1; Dimensions: 17.5" x 18" x 22.5"; Weight: 70 lbs. (more...)	Price (ea.): \$318.73 Qty: <input type="text" value="1"/> BUY NOW
	EAGLE 16 Gal. Flammable Safety Cabinet (Self-closing) (EM-1905) Capacity: 16 Gallons; Shelf Depth: 14.75"; Shelves: 1; Dimensions: 23" x 18" x 44"; Weight: 135 lbs. (more...)	Price (ea.): \$502.10 Qty: <input type="text" value="1"/> BUY NOW
	EAGLE 60 Gal. Flammable Safety Cabinet (Manual Close) (EM-1962) Capacity: 60 Gallons; Shelf Depth: 28"; Shelves: 2; Dimensions: 31.25" x 31.25" x 65"; Weight: 364 lbs. (more...)	Price (ea.): \$807.94 Qty: <input type="text" value="1"/> BUY NOW
	EAGLE 60 Gal. Flammable Safety Cabinet (Self-closing) (EM-6010) Capacity: 60 Gallons; Shelf Depth: 14.75"; Shelves: 2; Dimensions: 31.25" x 31.25" x 65"; Weight: 364 lbs. (more...)	Price (ea.): \$876.26 Qty: <input type="text" value="1"/> BUY NOW
	EAGLE 24 Gal. Flammable Safety Cabinet (Manual Close) (EM-1923) Capacity: 24 Gallons; Shelf Depth: 14.75"; Shelves: 3; Dimensions: 23" x 18" x 65"; Weight: 270 lbs. (more...)	Price (ea.): \$535.33 Qty: <input type="text" value="1"/> BUY NOW
	EAGLE 24 Gal. Flammable Safety Cabinet (Self-closing) (EM-2310) Capacity: 24 Gallons; Shelf Depth: 14.75"; Shelves: 3; Dimensions: 23" x 18" x 65"; Weight: 270 lbs. (more...)	Price (ea.): \$566.10 Qty: <input type="text" value="1"/> BUY NOW
	EAGLE 90 Gal. Flammable Safety Cabinet (Manual Close) (EM-1992) Capacity: 90 gallons; Shelf Depth: 29.5"; Shelves: 2; Dimensions: 43" x 34" x 65"; Weight: 485 lbs. (more...)	Price (ea.): \$1,118.41 Qty: <input type="text" value="1"/> BUY NOW

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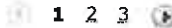
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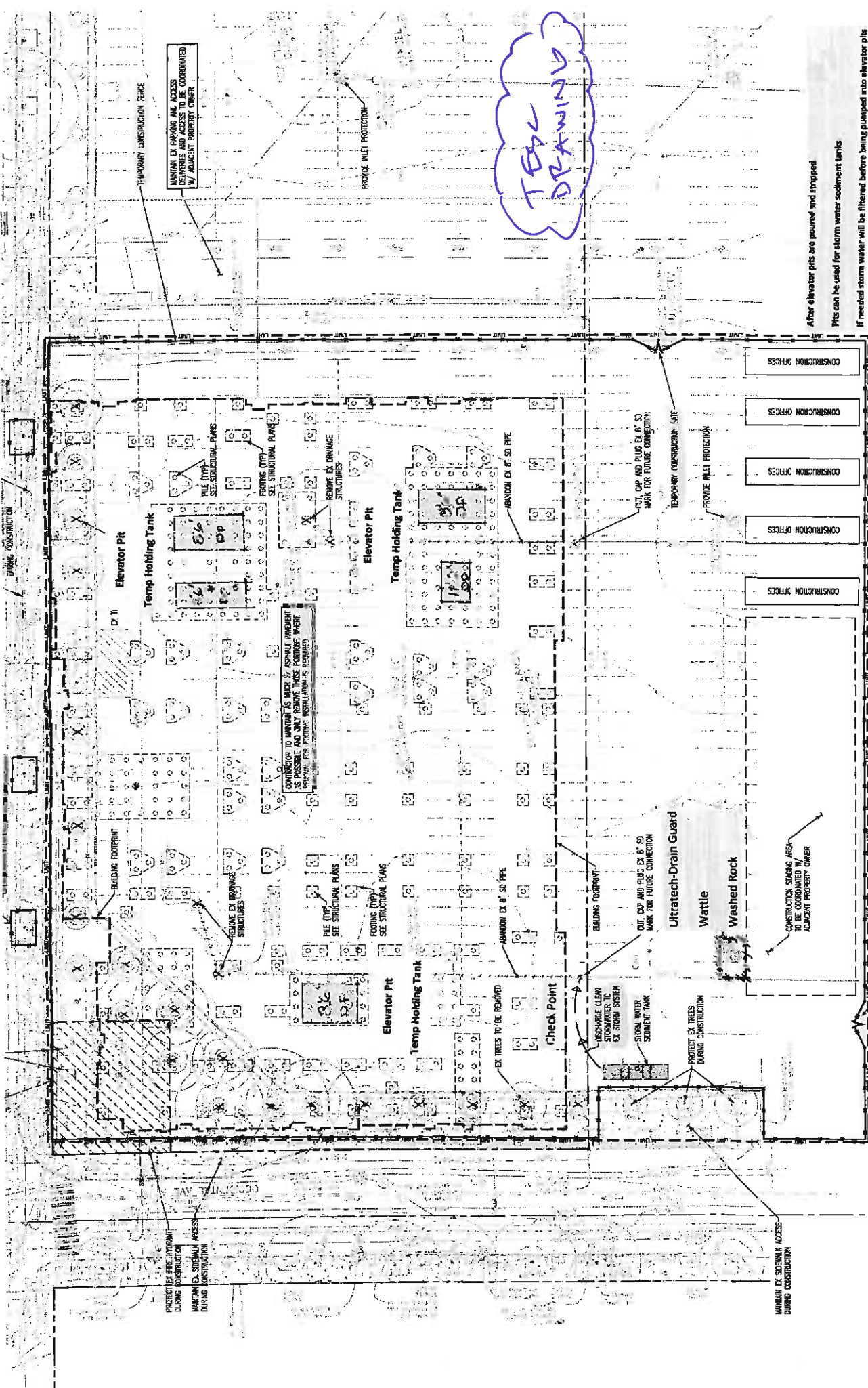
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	<p>EAGLE 90 Gal. Flammable Safety Cabinet (Self-closing) (EM-9010) Capacity: 90 Gallons; Shelf Depth: 29.5"; Shelves: 2; Dimensions: 43" x 34" x 65"; Weight: 485 lbs. (more...)</p>	<p>Price (ea.): \$1,186.73 Qty: <input type="text" value="1"/> </p>
	<p>EAGLE 4 Gal. Flammable Safety Cabinet (Self-closing) (EM-1903) Capacity: 4 Gallons; Shelf Depth: 14.75"; Shelves: 1; Dimensions: 17.5" x 18" x 22.5"; Weight: 70 lbs. (more...)</p>	<p>Price (ea.): \$377.81 Qty: <input type="text" value="1"/> </p>
	<p>EAGLE 12 Gal. Flammable Safety Cabinet (Self-closing) (EM-1924) Capacity: 12 Gallons; Shelf Depth: 14.75"; Shelves: 1; Dimensions: 23" x 18" x 35"; Weight: 135 lbs. (more...)</p>	<p>Price (ea.): \$435.65 Qty: <input type="text" value="1"/> </p>
	<p>EAGLE 12 Gal. Flammable Safety Cabinet (Manual Close) (EM-1925) Capacity: 12 Gallons; Shelf Depth: 14.75"; Shelves: 1; Dimensions: 23" x 18" x 35"; Weight: 135 lbs. (more...)</p>	<p>Price (ea.): \$397.50 Qty: <input type="text" value="1"/> </p>

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