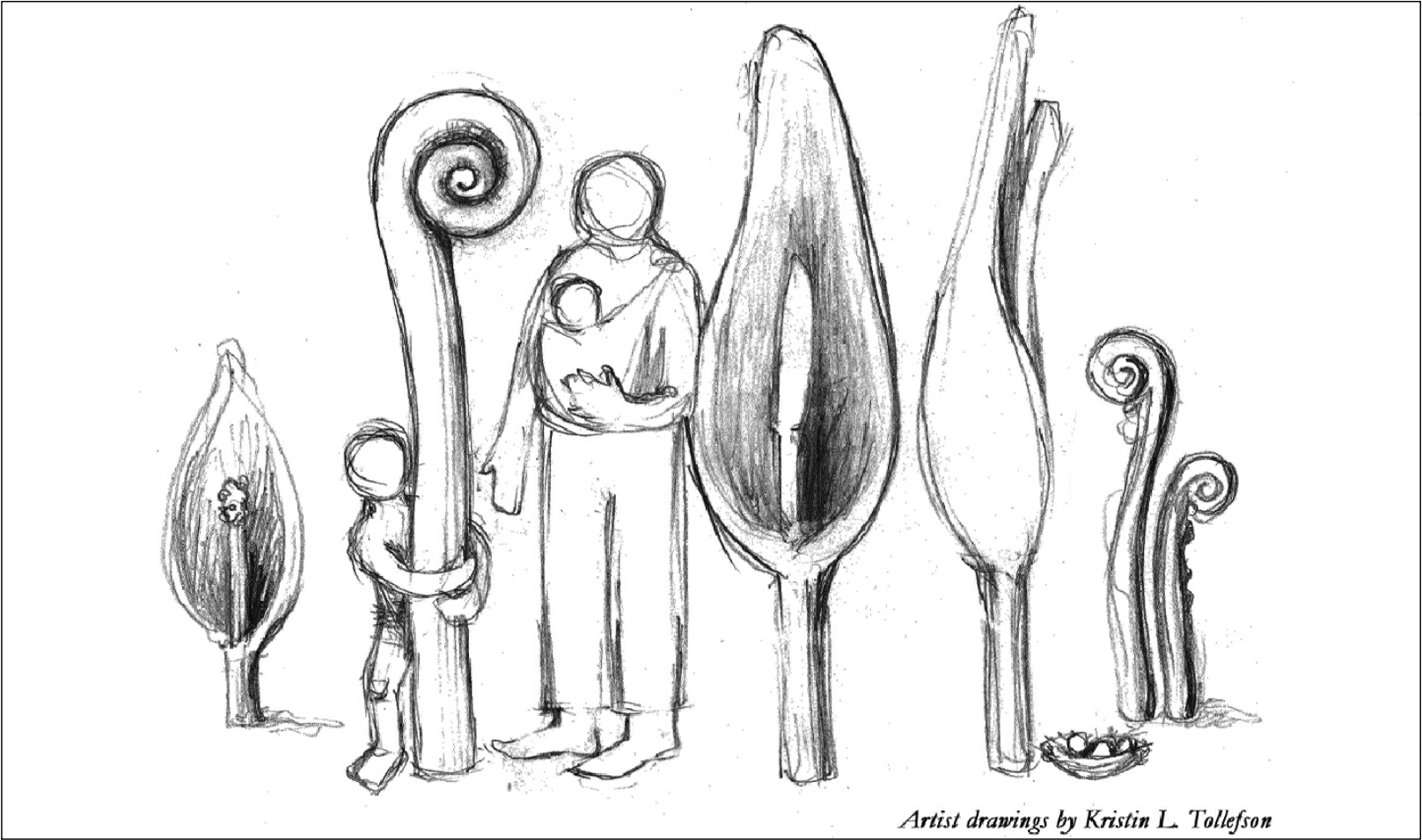




Artist drawings by Kristin L. Tollefson

DRAWING INDEX

- GENERAL
T1.0 PROJECT COVER SHEET
- CIVIL
C1.0 DEMOLITION AND TESC
C2.0 GRADING, DRAINAGE AND UTILITIES
C3.0 DPD STANDARD TESC DETAILS
C3.1 NOTES AND DETAILS
C3.2 NOTES
- LANDSCAPE
L1.0 LAYOUT PLAN
L1.0A ACCESSIBILITY PLAN
L3.0 ARTWORK AND LANDSCAPE SECTIONS

SITE MAP



SEWARD PARK PLAYGROUND

5895 LAKE WASHINGTON BLVD. S | SEATTLE, WA 98118

DESIGN DEVELOPMENT
JUNE 16 - 2009

OWNER - BUSINESS MANAGER

SEATTLE PARKS AND RECREATION
100 DEXTER AVENUE N.
SEATTLE, WA 98109
PAMELA KLIMENT
(206) 684-7556
Pamela.Kliment@Seattle.gov

LANDSCAPE ARCHITECT

JOHNSON/SOUTHERLAND
3827 B SOUTH EDMUNDS ST.
SEATTLE, WA 98118
MAGGI JOHNSON, ASLA
(206) 723-8275 X223
mjohnson@johnsonsoutherland.com

PROJECT DESCRIPTION

REPLACE EXISTING PLAYGROUND WITH NEW PLAY FEATURES,
TERRACING, PAVING, PLANTING AND ARTWORK.

OWNER REPRESENTATIVE / AGENT

SEWARD PARK PLAYGROUND
IMPROVEMENT FOUNDATION
SEATTLE, WA 98103
BETINA SIMMONS
betinasimmons@hotmail.com
MAURA WHALEN
mikenmaura@mac.com

CIVIL ENGINEER

LPD ENGINEERING
7936 SEWARD PARK AVE SOUTH
SEATTLE, WA 98118
LAURIE PFARR
(206) 725-1211
LaurieP@LDPengineering.com

ARTIST

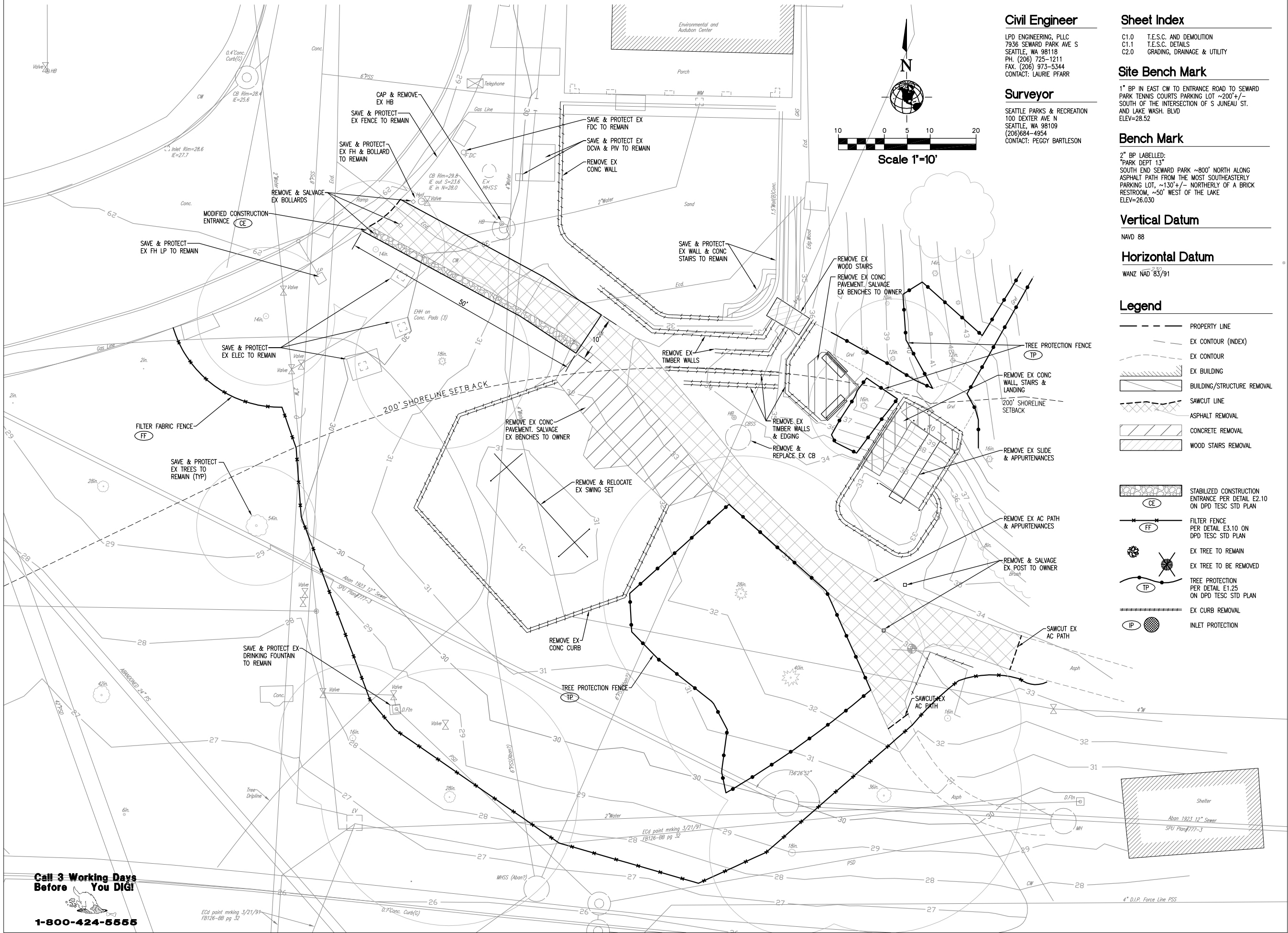
KRISTIN L. TOLLEFSON
4515 EAGLE HARBOR DRIVE
BAINBRIDGE ISLAND, WA 98110
(206) 842-0253
klt@raincity.com

STRUCTURAL ENGINEER

PROJECT COVER
SHEET

T-1.0

The NE 1/4 of Section 23, Township 24, Range 4

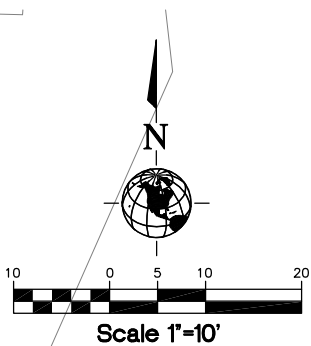


Civil Engineer

LPD ENGINEERING, PLLC
7936 SEWARD PARK AVE S
SEATTLE, WA 98118
PH. (206) 725-1211
FAX. (206) 973-5344
CONTACT: LAURIE PFARR

Surveyor

SEATTLE PARKS & RECREATION
100 DEXTER AVE N
SEATTLE, WA 98109
(206)684-4954
CONTACT: PEGGY BARTLESON



Sheet Index

C1.0 T.E.S.C. AND DEMOLITION
C1.1 T.E.S.C. DETAILS
C2.0 GRADING, DRAINAGE & UTILITY

Site Bench Mark

1" BP IN EAST CW TO ENTRANCE ROAD TO SEWARD
PARK TENNIS COURTS PARKING LOT ~200'+/-
SOUTH OF THE INTERSECTION OF S JUNEAU ST.
AND LAKE WASH. BLVD
ELEV=28.52

Bench Mark

2" BP LABELLED:
"PARK DEPT 13"
SOUTH END SEWARD PARK ~800' NORTH ALONG
ASPHALT PATH FROM THE MOST SOUTHEASTERLY
PARKING LOT, ~130'+/- NORTHERLY OF A BRICK
RESTROOM, ~50' WEST OF THE LAKE
ELEV=26.030

Vertical Datum

NAVD 88

Horizontal Datum

WAZ NAD 83/91

Legend

- PROPERTY LINE
- EX CONTOUR (INDEX)
- EX CONTOUR
- EX BUILDING
- BUILDING/STRUCTURE REMOVAL
- SAWCUT LINE
- ASPHALT REMOVAL
- CONCRETE REMOVAL
- WOOD STAIRS REMOVAL
- STABILIZED CONSTRUCTION ENTRANCE PER DETAIL E2.10 ON DPD TESC STD PLAN
- FILTER FENCE PER DETAIL E3.10 ON DPD TESC STD PLAN
- EX TREE TO REMAIN
- EX TREE TO BE REMOVED
- TREE PROTECTION PER DETAIL E1.25 ON DPD TESC STD PLAN
- EX CURB REMOVAL
- INLET PROTECTION

JOHNSON SOUTHERLAND
3827B South Edmunds St.
Seattle, WA 98118
Ph. 206-723-8275
Fax 206-723-0392

LPD engineering pllc
7936 Seward Park Ave S,
Seattle, WA 98118
p. 206.725.1211
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www.lpdengineering.com

SEWARD PARK PLAYGROUND

5895 LAKE WASHINGTON BLVD. S | SEATTLE, WA 98118

DESIGN DEVELOPMENT
JUNE 16 - 2009



ISSUE	DATE

ISSUE DATE: _____ ISSUE DATE: _____
DRAWN: _____ DMB
CHECKED: _____ LJP
PROJECT NO.: _____ NO.

DEMOLITION
& TESC

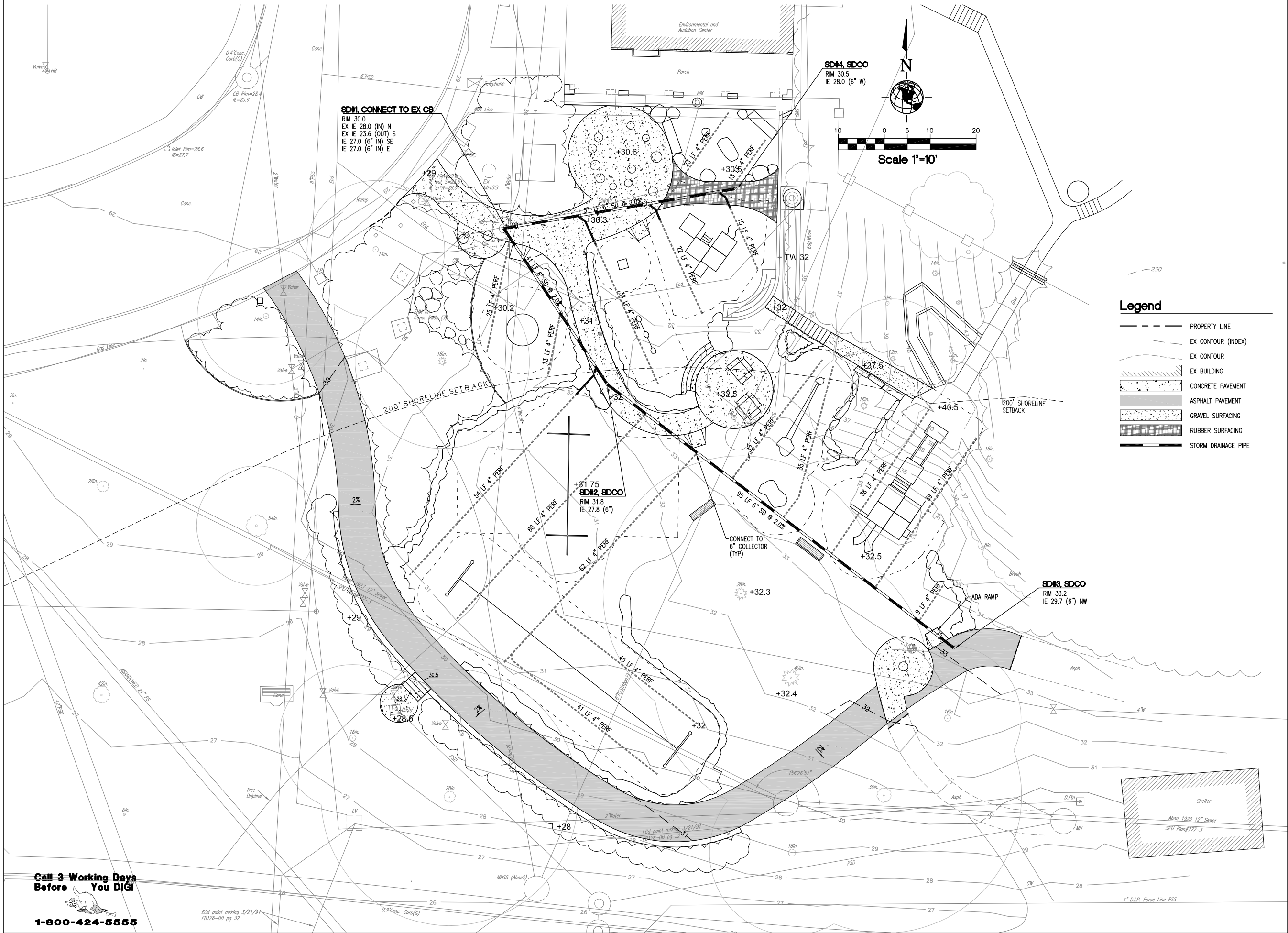
C1.0

Call 3 Working Days
Before You Dig!



1-800-424-5555

The NE 1/4 of Section 23, Township 24, Range 4



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ISSUE	DATE

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PROJECT NO.: _____ NO.

**GRADING &
DRAINAGE**

C2.0

**Call 3 Working Days
Before You Dig!**
1-800-424-5555

SECTION I – BACKGROUND INFORMATION

A. Purpose
A Temporary Erosion and Sediment Control Plan consists of temporary and permanent controls to be used during construction to prevent erosion or transport of sediment or other pollutants from the site. The most common methods are shown on this plan; other methods may be required if necessary.

B. Scope
All land-disturbing activities are required to control erosion. DPD reviews and approves erosion control for DPD permit applications with more than 750 square feet of land disturbance. This standardized Temporary Erosion and Sediment Control Plan was developed to assist the small project permit applicant design his or her erosion control plan.

C. Definitions
BEST MANAGEMENT PRACTICE (BMP) – Means a physical, structural, or managerial practice or device that prevents, reduces, or treats contamination of water or which prevents or reduces soil erosion.
1. NON-STRUCTURAL or OPERATIONAL BEST MANAGEMENT PRACTICES are those pollution control strategies that require modified or additional behavioral practices, such as sweeping a parking lot, or maintaining special equipment on site such as spill response equipment. **2. STRUCTURAL BEST MANAGEMENT PRACTICES** are those pollution control strategies that require the construction of a structural or other physical modification on the site.

GRADING – Means excavation, fill, in-place ground modification, or any combination thereof, including the establishment of a grade following demolition of a structure.

LAND-DISTURBING ACTIVITY – Means any activity that results in a movement of earth, or a change in the existing soil cover (both vegetative and nonvegetative) or the existing topography. Land-disturbing activities include, but are not limited to, clearing, grading, filling, excavation, or addition or replacement of impervious surface.

SIDE SEWER – is defined in the Side Sewer Ordinance, Seattle Municipal Code Section 21.16.030.

SMALL PROJECT – Means project with less than 5,000 square feet of new or replaced impervious surface or less than one acre of land disturbing activity.

WATERCOURSE – Means the route, constructed or formed by humans or by natural processes, generally consisting of a channel with bed, banks or sides, in which surface water flows. Watercourse includes small lakes, bogs, streams, creeks, and intermittent artificial components (including ditches and culverts) but does not include receiving waters.

Responsible Party – Means all of the following persons:
1. Owners and occupants of property within the City of Seattle.
2. Any person causing or contributing to a violation of the provisions of this subtitle.

SECTION II – INSTRUCTIONS FOR USE OF THIS PLAN

A. General Plan Information
Section IIIB has been provided for the applicant to draw the project Temporary Erosion and Sediment Control Plan. The applicant may also draw stormwater control details on the permit application plan set site plan in lieu of completing Section IIIB.

1. Designate north arrow, pick the scale the plan will be drawn to, label the address and street name fronting structure and draw property lines.
2. Show and identify all existing and proposed structures on the site.
3. Locate and size all streams, swales, and drainage channels on or within 25-feet of the site that may involve or affect the drainage of the site to be developed. Indicate all existing stormwater and sanitary sewer pipes.
4. Indicate the direction and location of surface water runoff entering and exiting the site from all adjacent property. This may be done with topographic contour lines or directional arrows..
5. Indicate what types of systems will be used to convey runoff away from the proposed structures.
6. Show all minimum stormwater controls to be used during construction and to permanently stabilize the site. See Requirements, below.

B. Requirements
Some or all of the following erosion control methods will be required, depending upon the nature and scope of project. Identify items that may be a problem during construction, and choose BMPs that will mitigate construction impacts.

Complete construction stormwater control details and requirements may be found in the "Construction Stormwater Control Technical Requirements Manual", Volume 2 of the City of Seattle Stormwater, Grading, and Drainage Control Code (SMC 22.800).

1. From October 1 to April 30, no soil shall remain unstabilized for more than 2 days. From May 1 to September 30, no soils shall remain unstabilized for more than 7 days. Stabilize all soils, including stockpiles that are temporarily exposed. Use one of the following to temporarily stabilize soils, including stockpiles: E1.10 Temporary Seeding & Mulching, E1.15 Matting/Rolled Erosion Control Products, E1.20 Plastic Covering or E2.20 Dust Control.
2. After construction but before project is considered completed, permanently stabilize all exposed soils that have been disturbed during construction. Use one of the following to permanently stabilize soils: E1.35 Permanent Seeding or Planting, E1.40 Sodding.
3. Use one of the following to prevent the transport of sediment from the site: E3.10 Filter fence, E3.15 Straw bale barrier, E3.20 Brush barrier, E3.25 Gravel filter berm, E3.40 Sediment pond or E3.35 Sediment trap. Sandbags may also be utilized to prevent sediment from being discharged offsite. Retaining natural vegetation and buffer zones are encouraged, but may not be used as a substitute.
4. Prevent sediment from entering all storm drains, including ditches that receive runoff from the disturbed area, by installing storm drain inlet inserts, using sandbags and vacuuming sediment from impervious surfaces.
5. During construction, prevent the introduction of pollutants in addition to sediment into stormwater. Comply with the requirements for each of the following construction related activities: C1.10 Pesticide control, C1.20 Handling petroleum products, C1.30 Nutrient application, C1.40 Solid waste handling/disposal or C1.50 Use of chemicals during construction.
6. Limit construction vehicle access, whenever possible, to one location. Stabilize all access points. Provide periodic street cleaning by sweeping or shoveling any sediment that may have been tracked out. Place sediment in a suitable disposal area where it will not erode again. E2.10 Construction Access or E2.15 Construction Road Stabilization.
7. Inspect and maintain required erosion controls to ensure continued performance of their intended function.
8. Street use permit shall be obtained from SDOT for temporary drainage discharge, sidewalk closure and/or material storage in street and/or alley right-of-way.

SECTION III – MATERIALS AT JOB SITE

1. Construction erosion control measures must be in place and approved by DPD before any earth disturbance. Call (206) 684-8860 to schedule an inspection for this item.
2. No sediment shall be tracked onto paved streets or roadways. Sediment shall be removed from trucks and equipment before leaving the construction site. In the event of failure of the TESC system resulting in sediment tracking onto pavement, the contractor shall implement measures immediately to correct the situation.
3. The contractor shall employ emergency measures to remove sediment from paved surfaces, as needed. Street sweeping shall be considered an emergency measure and not a basic component of the TESC system. Sediment tracked onto paved surfaces shall not be washed into storm drains or other utility inlets.

STANDARD DETAILS

SEDIMENT CONTROL	STANDARD PRACTICES/GOOD HOUSEKEEPING	COVER	RUNOFF CONTROL																				
FILTER ROLL E3.45 REASON: TO INTERCEPT & RETAIN SMALL AMOUNTS OF SEDIMENT AND DECREASE THE VELOCITY OF SHEET FLOW. SYMBOL:	PRESERVING VEGETATION E1.25 REASON: TO REDUCE EROSION BY PRESERVING NATURAL VEGETATION WHEREVER PRACTICABLE. SYMBOL:	TEMPORARY SEEDING AND MULCHING E1.10 <table border="1"><caption>TABLE 2. SEEDING MIXTURES*</caption><thead><tr><th>NAME</th><th>PROPORTIONS BY WEIGHT</th><th>% PURITY</th><th>% GERMINATION</th></tr></thead><tbody><tr><td>REDTOP (AGROSTIS ALBA)</td><td>10%</td><td>92</td><td>90</td></tr><tr><td>ANNUAL RYE (LOLIUM MULTIFLORUM)</td><td>40%</td><td>98</td><td>90</td></tr><tr><td>CHEWINGS FESCUE (FETUCA RUBRA COMMUTATA)</td><td>40%</td><td>97</td><td>80</td></tr><tr><td>WHITE DUTCH CLOVER (TRIFOLIUM REPENS)</td><td>40%</td><td>96</td><td>80</td></tr></tbody></table> REASON: TO PROVIDE TEMPORARY SOIL STABILIZATION BY PLANTING GRASSES AND LEGUMES TO AREAS THAT WOULD REMAIN BARE FOR MORE THAN 7 DAYS WHERE PERMANENT COVER IS NOT NECESSARY OR APPROPRIATE. SYMBOL:	NAME	PROPORTIONS BY WEIGHT	% PURITY	% GERMINATION	REDTOP (AGROSTIS ALBA)	10%	92	90	ANNUAL RYE (LOLIUM MULTIFLORUM)	40%	98	90	CHEWINGS FESCUE (FETUCA RUBRA COMMUTATA)	40%	97	80	WHITE DUTCH CLOVER (TRIFOLIUM REPENS)	40%	96	80	ROCK CHECK DAM E2.60 REASON: TO INTERCEPT & RETAIN SMALL AMOUNTS OF SEDIMENT AND DECREASE THE VELOCITY OF SHEET FLOW AND LOW TO MODERATE LEVEL CHANNEL FLOWS. SYMBOL:
NAME	PROPORTIONS BY WEIGHT	% PURITY	% GERMINATION																				
REDTOP (AGROSTIS ALBA)	10%	92	90																				
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BUFFER ZONES (UNDISTURBED VEGETATED AREA) E1.30 REASON: AN UNDISTURBED AREA OR STRIP OF NATURAL VEGETATION OR AN ESTABLISHED SUITABLE PLANTING ZONE THAT WILL PROVIDE A LIVING FILTER TO REDUCE SOIL EROSION AND RUNOFF VELOCITIES. SYMBOL:	CONSTRUCTION ACCESS E2.10 REASON: TO REDUCE THE AMOUNT OF MUD, DIRT, ROCKS, ETC. TRANSPORTED ONTO PUBLIC ROADS BY MOTOR VEHICLES OR RUNOFF. SYMBOL:	MATTING/ROLLED EROSION CONTROL PRODUCTS E1.15 REASON: TO PROVIDE IMMEDIATE PROTECTION TO EXPOSED SOILS DURING THE PERIOD OF SHORT CONSTRUCTION DELAYS. SYMBOL:	TRIANGULAR SILT DIKE E2.60 REASON: TO INTERCEPT & RETAIN SMALL AMOUNTS OF SEDIMENT AND DECREASE THE VELOCITY OF SHEET FLOW AND LOW TO MODERATE LEVEL CHANNEL FLOWS. SYMBOL:																				
STORM DRAIN INLET (INSERT) E3.30 REASON: TO PREVENT SEDIMENT FROM ENTERING STORM DRAINAGE SYSTEMS PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. SYMBOL:	CONTAINMENT AREA C1.80 REASON: TO CONTAIN HAZARDOUS MATERIALS AND PREVENT CONTAMINATING THE SOIL. SYMBOL:	PLASTIC COVERING E1.20 REASON: TO PROVIDE IMMEDIATE TEMPORARY EROSION PROTECTION TO SLOPES AND DISTURBED AREAS THAT CANNOT BE COVERED BY MULCHING & MATTING. SYMBOL:	Construction Stormwater Control Inspection Fees Each project is charged a fee at the time of permit issuance to cover one or more construction erosion control inspections, depending on the size of the project. Each construction erosion control inspection thereafter is charged at \$150 per hour; the number of inspections is determined by Department of Planning and Development site inspector according to the effectiveness of the project's construction erosion control measures. Temporary Dewatering If a project requires temporary dewatering, please see Client Assistance Memo (CAM) #506 and Director's Rule 3-2004 for more information. The Project's TESC Plan Sheet must be located onsite during the duration of project's construction. The project's TESC Plan sheet must reflect all TESC changes made onsite during construction and those plan revisions must be initiated and dated by the project's certified TESC representative. <table border="1"><thead><tr><th>Rev. #</th><th>Date</th><th>By</th><th>Appr.</th><th>Revisions</th></tr></thead><tbody><tr><td>1</td><td>06/10/04</td><td>RLJ</td><td>KKW</td><td>UPDATE TESC STANDARD PLAN</td></tr></tbody></table>	Rev. #	Date	By	Appr.	Revisions	1	06/10/04	RLJ	KKW	UPDATE TESC STANDARD PLAN										
Rev. #	Date	By	Appr.	Revisions																			
1	06/10/04	RLJ	KKW	UPDATE TESC STANDARD PLAN																			
FILTER FENCE E3.10 REASON: TO INTERCEPT & DETAIN SMALL AMOUNTS OF SEDIMENT UNDER SHEET FLOW CONDITIONS FROM DISTURBED AREAS DURING CONSTRUCTION. TO DECREASE VELOCITY OF SHEET FLOWS. SYMBOL:	SECTION IIIA – SAMPLE PLAN (NOT TO SCALE) 																						
Site Plan The Architectural Site Plan may be used for the TESC Site Plan. However, reference the TESC Standard Plan and the Architectural Plan to each other with notes, details, symbols and the plan's intent.	SECTION IIIB – SITE PLAN 																						

June 2004

TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) STANDARD PLAN
(AKA Small Project Construction Stormwater Control Prescriptive Plansheet)

For Small Projects, see Seattle Municipal Code 22.802.020

Applicant Plan Sheet

CITY OF SEATTLE
DEPARTMENT OF PLANNING AND DEVELOPMENT

SHEET

C 3.0
STANDARD
PLAN

DESIGNED BY K. AMINIAN, P.E./ RICK JOHNSON

PERMIT

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24

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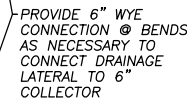
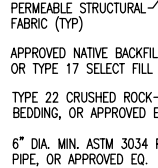
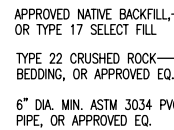
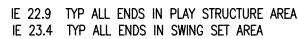
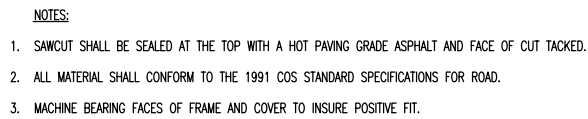
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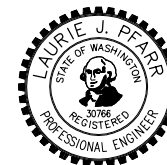
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5895 LAKE WASHINGTON BLVD. S | SEATTLE, WA 98118

GN DEVELOPM
JUNE 16 - 2009

[illegible]

ISSUE DATE: _____ ISSUE DATE _____
DRAWN: _____ DMB
CHECKED: _____ LJP
PROJECT NO.: _____ NO. _____

C3.1

General Notes

1. ALL WORK SHALL CONFORM TO: THE CURRENT EDITION OF CITY OF SEATTLE STANDARD SPECIFICATIONS; THE CURRENT EDITION OF THE CITY OF SEATTLE STANDARD PLANS; AND SEATTLE DEPARTMENT OF
2. TRANSPORTATION, DIRECTOR'S RULE FOR STREET AND SIDEWALK PAVEMENT OPENING AND RESTORATION. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
3. A COPY OF THE APPROVED PLAN MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
4. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY.

PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRECONSTRUCTION CONFERENCE WITH THE CITY OF SEATTLE. THE CONTRACTOR SHALL NOTIFY THE OWNER'S PROFESSIONAL ENGINEERING CONSULTANT OF THE PRECONSTRUCTION MEETING TIME AND LOCATION.
6. PAVED SURFACES INCLUDING ROADWAYS, SIDEWALKS, AND CURBS THAT ARE DAMAGED BY NEW CONSTRUCTION SHALL BE REPAIRED AS REQUIRED BY THE SEATTLE DEPARTMENT OF TRANSPORTATION, STREET USE INSPECTOR.
7. DATUM: NAVD 88 AND NAD83 (1991). REFER TO THE SURVEY WEBSITE FOR DETAILS.
8. ALL SURVEYING AND STAKING OF IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY IS TO BE PROVIDED BY THE CITY OF SEATTLE AT OWNER'S EXPENSE.

THE CONTRACTOR SHALL NOTIFY THE SEATTLE FIRE DEPARTMENT DISPATCHER (206-386-1495) TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE DISPATCHER OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THIS WORK.

ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
11. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATOR SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
12. IMPROVEMENTS.

THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE RIMS, DRAINAGE STRUCTURE LIDS, VALVE BOXES, AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY THE PROPOSED
13. UTILITY SERVICE CONNECTIONS SHOWN ON THIS PLAN ARE TO BE MAINTAINED PRIVATELY AND NOT BY THE CITY OF SEATTLE.
14. THE CONTRACTOR SHALL PROVIDE FOR ALL COMPACTION TESTS REQUIRED BY THE STREET USE INSPECTOR.
15. BACKFILL MATERIAL USED IN PUBLIC RIGHT-OF-WAY SHALL MEET STANDARD SPECIFICATIONS AND SHALL BE APPROVED BY SEATTLE DEPARTMENT OF TRANSPORTATION.

INSPECTION AND ACCEPTANCE OF ALL WORK IN STREET RIGHTS-OF-WAY WILL BE ACCOMPLISHED BY REPRESENTATIVES OF THE CITY OF SEATTLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS, ALLOWING PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE RECONSTRUCTION OF ITEMS THAT DO NOT MEET CITY STANDARDS OR THAT WERE CONSTRUCTED WITHOUT INSPECTION.

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL OR PUBLIC DRAINAGE SYSTEM. AS CONSTRUCTION PROGRESSES AND UNEXPECTED (SEASONAL) CONDITIONS DICTATE, MORE SILTATION CONTROL FACILITIES MAY BE REQUIRED TO INSURE COMPLETE SILTATION CONTROL OF THE PROJECT. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE
17. ADDITIONAL FACILITIES THAT MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES.
18. THE CONTRACTOR SHALL KEEP OFF-SITE STREETS CLEAN AT ALL TIMES BY SWEEPING. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR SEATTLE DEPARTMENT OF TRANSPORTATION APPROVAL.
19. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL MANUAL. A TRAFFIC CONTROL PLAN WILL BE REQUIRED PRIOR TO ISSUANCE OF PERMIT.
20. COORDINATE SIGN AND METER HEAD REMOVAL AND INSTALLATION WITH SEATTLE DEPARTMENT OF TRANSPORTATION AT 684-5370. SIGNPOSTS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD PLAN NO.'S 620, 622, 624, & 625.
21. ALL WORK PERFORMED BY SEATTLE CITY LIGHT, SEATTLE PUBLIC UTILITIES, AND OTHER PUBLIC UTILITIES TO REMOVE OR RELOCATE EXISTING UTILITIES SHALL BE DONE AT THE PERMITTEE'S EXPENSE.
22. CARE SHALL BE EXERCISED WHEN EXCAVATING NEAR EXISTING CHARGED WATER MAINS.
23. CONTRACTOR SHALL NOTIFY KING COUNTY METRO AT 684-2732 SEVEN DAYS IN ADVANCE OF ANY IMPACT TO TRANSIT OPERATIONS.

NTS

General Notes

1

General Storm Drainage Notes

1. ALL LOCATIONS OF EXISTING UTILITIES AND UNDERGROUND STRUCTURES SHOWN ON THE PLANS HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. THE CONTRACTOR SHALL INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF PROPOSED IMPROVEMENTS.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND ELEVATIONS OF ALL CONNECTIONS TO EXISTING SYSTEMS PRIOR TO CONSTRUCTION.
3. A SEPARATE SEWER/DRAINAGE SIDE SEWER PERMIT FROM THE DEPARTMENT OF PLANNING AND DEVELOPMENT (DPD) IS REQUIRED. AT THE TIME OF APPLYING FOR THIS PROJECT'S SIDE SEWER PERMIT, THE APPROVED DPD PLAN COVER SHEET AND DRAINAGE CONTROL PLAN SET MUST BE PRESENTED WITH THE PERMIT APPLICATION.
4. THE STORM DRAINAGE SYSTEM SHALL BE CONSTRUCTED ACCORDING TO THE APPROVED DRAINAGE CONTROL PLAN ON FILE WITH DPD AND IN THE APPROVED BUILDING PERMIT PLAN SET. ANY DEVIATION FROM THE APPROVED PLANS MAY REQUIRE WRITTEN APPROVAL FROM DPD.
5. A COPY OF THE APPROVED DRAINAGE CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
6. ALL REQUIRED STORMWATER FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO CONSTRUCTION OF IMPERVIOUS SURFACING UNLESS OTHERWISE APPROVED BY DPD.
7. PIPE USE FOR STORM DRAINS SHALL BE ONE OR MORE OF THE FOLLOWING:

A. PVC – ASTM D3034 SDR 35 WITH RESTRAINED GASKETED JOINTS. PVC PIPE FOR PSS AND PSD SHALL BE TESTED FOR EXCESSIVE DEFLECTION WITH A MANDREL PER SECTION 7-17.3(4) OF THE SPECIFICATIONS.

B. CONC – ASTM C-14 CL3 FOR PIPE LESS THAN 12 INCHES IN DIAMETER.

C. CONC – ASTM C-76 CL IV FOR PIPE 12 INCHES AND 15 INCHES IN DIAMETER

D. HDPE – DOUBLE WALLED SMOOTH INTERIOR CORRUGATED HIGH DENSITY POLYETHYLENE PIPE. PIPE SHALL BE HANCOR HI-Q OR APPROVED EQUAL AND SHALL MEET THE REQUIREMENTS OF AASHTO M252 TYPE S FOR PIPE 8" IN DIAMETER OR LESS, AND AASHTO M294 FOR PIPE 12 INCHES IN DIAMETER OR GREATER. FITTINGS AND COUPLINGS FOR PIPE 8-INCHES IN DIAMETER OR GREATER SHALL BE SILT TIGHT.

E. DUCTILE IRON – ANSI A 21.51, CEMENT MORTAR LINED PUSH ON OR MECHANICAL JOINTS, CLASS 50 OR BETTER. JOINTS SHALL BE RUBBER GASKETED CONFORMING TO THE REQUIREMENTS OF ANSI A 21.11 OR AWWA C 111.
8. BEDDING SHALL BE CLASS B FOR ALL PIPES EXCEPT DUCTILE IRON PIPE, WHICH SHALL BE CLASS D. BEDDING MATERIAL FOR PVC PIPE AND CMP SHALL BE MINERAL AGGREGATE TYPE 22. BEDDING MATERIAL FOR PVC PIPE AND CMP SHALL BE MECHANICALLY COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS MEASURED BY ASTM D-698.
9. GRAVEL FOR TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH CITY OF SEATTLE SPECIFICATIONS TYPE 17.
10. TEES ON NEW PIPE LESS THAN 24" DIAMETER SHALL BE PREFABRICATED. TEES ON EXISTING PIPE OR ON NEW PIPE WITHOUT PREFABRICATED TEES SHALL BE CONNECTED BY CORE DRILLING AND FLEXIBLE CONNECTION. SEE CITY OF SEATTLE STANDARD SPECIFICATIONS.
11. TEES, CATCH BASIN CONNECTIONS, SIDE SEWERS, AND SERVICE DRAINS SHALL BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 50%. INLET CONNECTIONS SHALL BE PLACED AT A MINIMUM SLOPE OF 5% AND A MAXIMUM SLOPE OF 50%.
12. RECONNECTION OF EXISTING CATCH BASINS SHALL INCLUDE NEW TRAPS, CONNECTION TO STORM DRAINS, AND REMOVAL OF EXISTING TRAPS.
13. WHERE A NEW PIPE CLEARS AN EXISTING OR NEW UTILITY BY 6 INCHES OR LESS, PROVIDE POLYETHYLENE PLASTIC FOAM AS A CUSHION BETWEEN UTILITIES.
14. PIPE INSTALLATIONS SHALL BE IN ACCORDANCE WITH WSDOT/APWA SPECIFICATIONS 7-08.
15. STORM DRAINAGE STRUCTURES WILL BE IN ACCORDANCE WITH CITY OF SEATTLE AND/OR WSDOT SPECIFICATIONS AND DETAILS.
16. THE FOOTING DRAINAGE SYSTEM/FOUNDATION DRAINAGE SYSTEM AND THE ROOF DOWNSPOUT SYSTEM SHALL NOT BE INTERCONNECTED UNLESS SUCH CONNECTION IS AT LEAST 1 FOOT BELOW THE FOOTING DRAINAGE SYSTEM/FOUNDATION DRAINAGE SYSTEM AND DOWN SLOPE OF THE BUILDING FOUNDATION.
17. SERVICE DRAINS AND SIDE SEWERS SHALL NOT BE BACKFILLED UNTIL THE PIPE HAS BEEN INSPECTED AND APPROVED AND THE LOCATION AND DEPTH IS RECORDED BY THE INSPECTOR
18. PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO ENSURE SEDIMENT OR OTHER HAZARDOUS MATERIAL DO NOT ENTER THE STORM DRAINAGE SYSTEM.
19. PIPE TO BE ABANDONED SHALL BE FILLED WITH PORTLAND CEMENT AND SAND MIXTURE IN ACCORDANCE WITH THE CITY OF SEATTLE SPECIFICATIONS.
20. THE CONTRACTOR SHALL PROVIDE SUPPORTS FOR POWER POLES NEAR EXCAVATIONS PER SEATTLE CITY LIGHT STANDARDS NO. D3-6.
21. PRIOR TO FINAL INSPECTION AND ACCEPTANCE OF STORM DRAINAGE WORK, PIPES AND STORM DRAIN STRUCTURES SHALL BE CLEANED AND FLUSHED. ANY OBSTRUCTIONS TO FLOW WITHIN THE STORM DRAIN SYSTEM, (SUCH AS RUBBLE, MORTAR AND WEDGED DEBRIS), SHALL BE REMOVED AT THE NEAREST STRUCTURE. WASH WATER OF ANY SORT SHALL NOT BE DISCHARGED TO THE STORM DRAIN SYSTEM OR SURFACE WATERS.
22. CONTRACTOR SHALL OBTAIN ALL PERMITS FOR WORK WITHIN THE PUBLIC RIGHT OF WAY. THE CITY WILL INSPECT AND ACCEPT ALL WORK WITHIN THE PUBLIC RIGHT OF WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE AND COORDINATE THE APPROPRIATE INSPECTIONS, ALLOWING THE PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE RECONSTRUCTION OF ITEMS THAT DO NOT MEET THE CITY'S STANDARDS OR THAT WERE CONSTRUCTED WITHOUT INSPECTION.

NTS

General Storm Drainage Notes

2

NTS

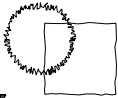
Not Used

3

NTS

Not Used

4



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SEWARD PARK PLAYGROUND

5895 LAKE WASHINGTON BLVD. S | SEATTLE, WA 98118

DESIGN DEVELOPMENT

JUNE 16 - 2009

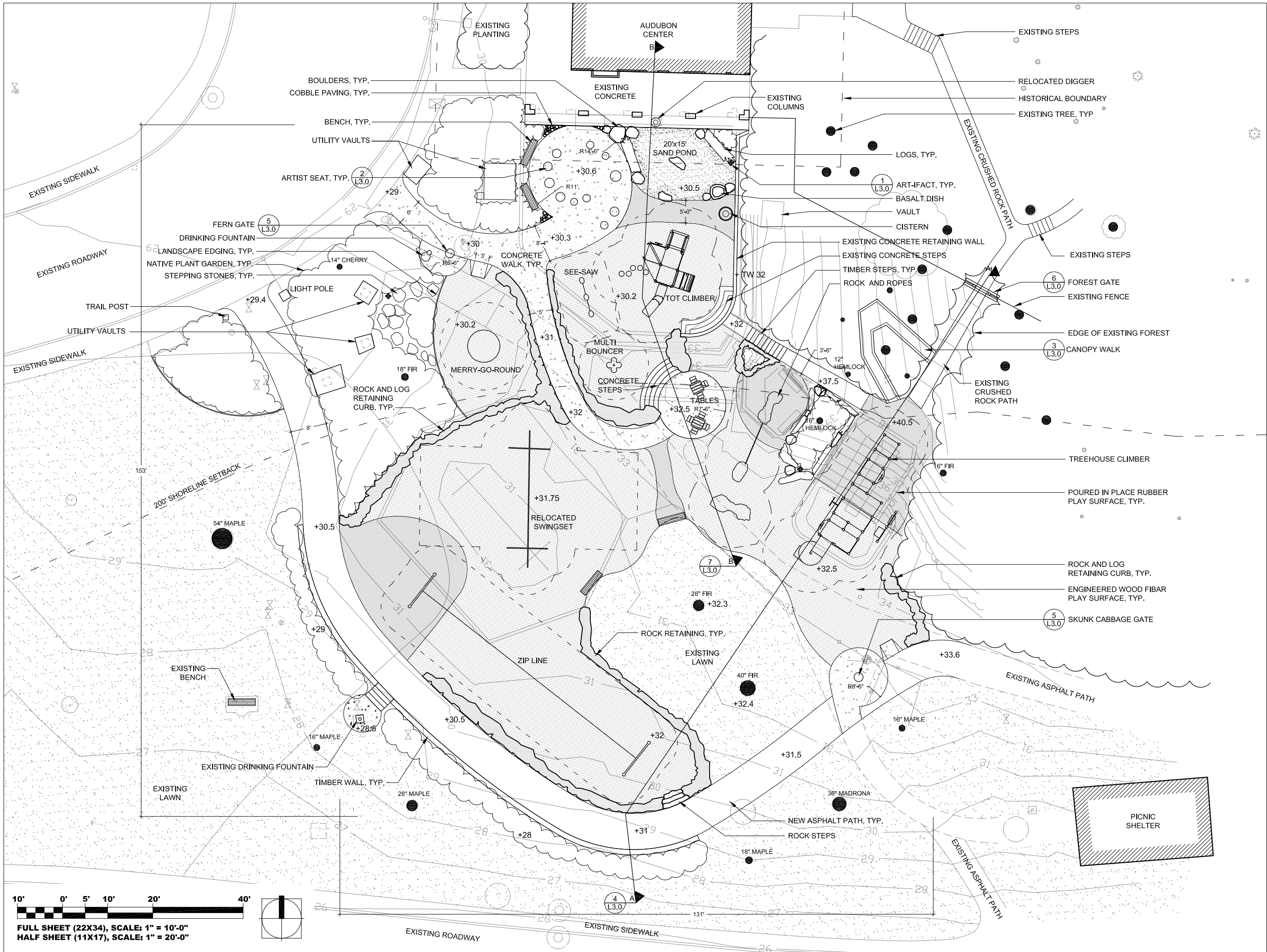


ISSUE	DATE

ISSUE DATE: _____ ISSUE DATE: _____
DRAWN: _____ DMB
CHECKED: _____ LJP
PROJECT NO.: _____ NO.

Notes

C3.2



SEWARD PARK PLAYGROUND

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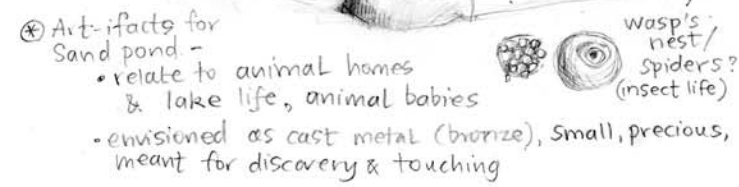
DESIGN DEVELOPMENT
JUNE 16 - 2009

ISSUE	DATE
Δ REVISION	TITLE

ISSUE DATE:	ISSUE DATE
DRAWN:	BB, BTS
CHECKED:	MEJ
PROJECT NO.:	NO.

LAYOUT
PLAN

L-1.0



top encases treasure?
protects from elements

spiral plan

wood? concrete?
stump seats

- w/ cap top in color?
- w/ "shelf fungi"

8.5'

Wood Frame and Chainlink Safety Rail to Match Existing Fence

Timber Deck Construction

Pipe and Posts on Pilings

[illegible]

⑩ Gates at entry points for playground
fiddle head of fern
skunk cabbage flower



A technical drawing of a wooden gate assembly against a green background. The gate consists of two vertical posts supporting a horizontal top rail. The top rail has the words "THE WOODS" written on it. There are four round knobs or bolts at the corners where the top rail meets the posts. Callouts include: "7' CLEAR" indicating the width of the opening; "(2) 6x4, TYP" pointing to the vertical posts; "(4) 8\"

20' EXISTING CRUSHED ROCK PATH

FOREST GATEWAY

51' PLAY AREA

PUDED RUBBER SURFACE ON SLOPE

E.W.F. ON FLAT

TREE PROTECTION AREA

EXISTING DOUGLAS FIR

ZIP LINE (IN FRONT) E.W.F. SURFACE

8' ASPHALT PATH

25'

EXISTING GRADE

PROPOSED GRADE

SUBGRADE

ROCK & LOG RETAINING CURB

EXISTING LAWN

TIMER-RETAINING WALL

EXISTING SIDEWALK

DRIVE

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ARTWORK &
LANDSCAPE
SECTIONS
L-3.0