

>>>>CAUTION<<<<

CALL BEFORE YOU DIG!

NOT LESS THAN TWO OR MORE THAN TEN BUSINESS DAYS PRIOR TO COMMENCING EXCAVATION OR DEMOLITION, SECURE THE SERVICES OF A COMMERCIAL UNDERGROUND UTILITIES LOCATOR SERVICE TO IDENTIFY BELOW-GROUND IMPROVEMENTS THAT MAY NOT BE INDICATED ON THE DRAWINGS. FOR IRRIGATION SYSTEMS, CALL SEATTLE PARKS PLUMBING SHOP (206 884 7070)

>>>800 424 5555<<<

Parks Department Inspection Hotline  
Allow 24 Hours Notice  
206-684-7034

## BID DOCUMENTS

|     |                     |      |
|-----|---------------------|------|
| 3   |                     |      |
| 2   |                     |      |
| 1   |                     |      |
| NO. | REVISION - AS BUILT | DATE |

REVIEWED: *Patricia Taylor* 4/14/08 DATE  
PARK ENGINEER  
All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.



STATE OF  
WASHINGTON  
LANDSCAPE ARCHITECT  
JOHN FORRESTER PARKER  
CERTIFICATE NO. 480



BARKER  
LANDSCAPE  
ARCHITECTS  
1514 NW 52nd St  
Seattle, WA 98107  
tel 206.783.2870  
fax 206.783.3212



## BALLARD CORNERS

### PARK PHASE II

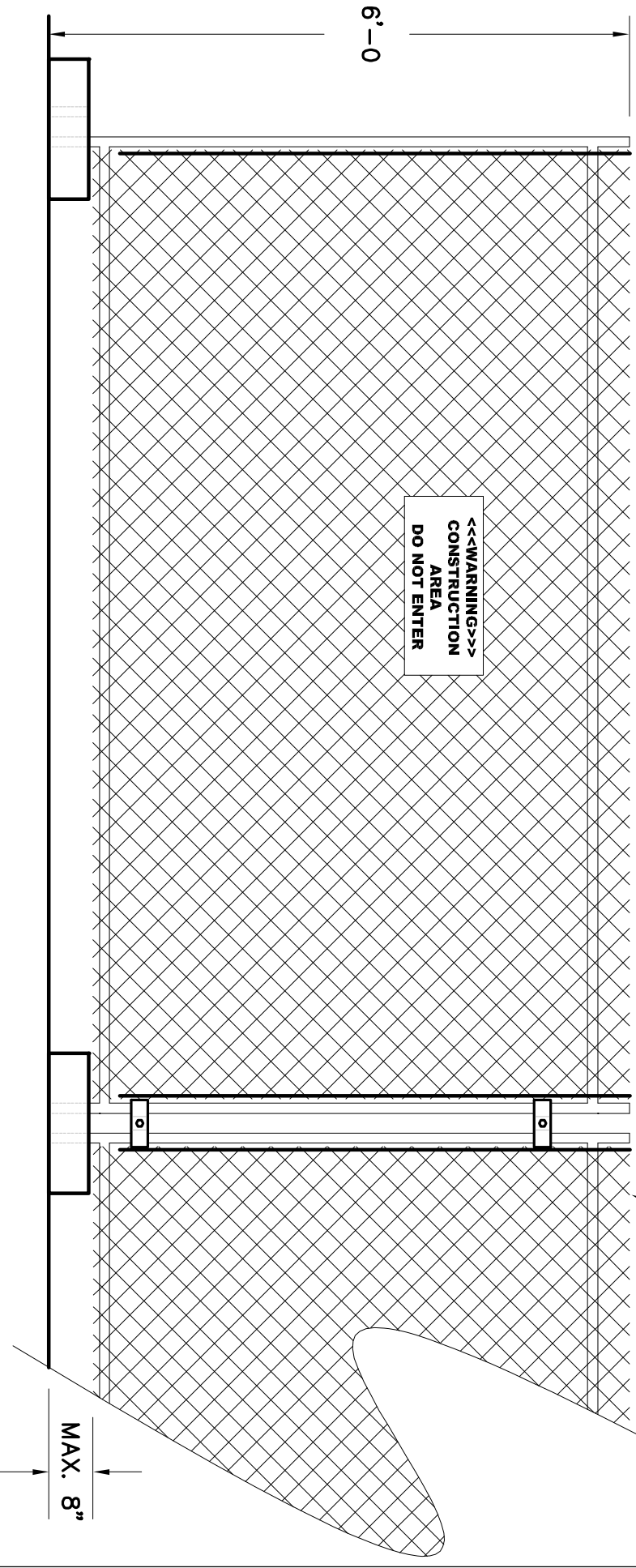
#### TESC Details

|                      |                |
|----------------------|----------------|
| DESIGNED             | DATE 10-13-08  |
| DRAWN                | SHEET 10 OF 14 |
| CHECKED              |                |
| ORDINANCE NO. 121947 | L5.0           |
| CONTRACT NO.         |                |
| SCALE                |                |

8'-0" MIN.,  
12'-0" MAX.

TWISTED SERVICE  
TOP AND BOTTOM

<<<WARNING>>>  
CONSTRUCTION  
DO NOT ENTER

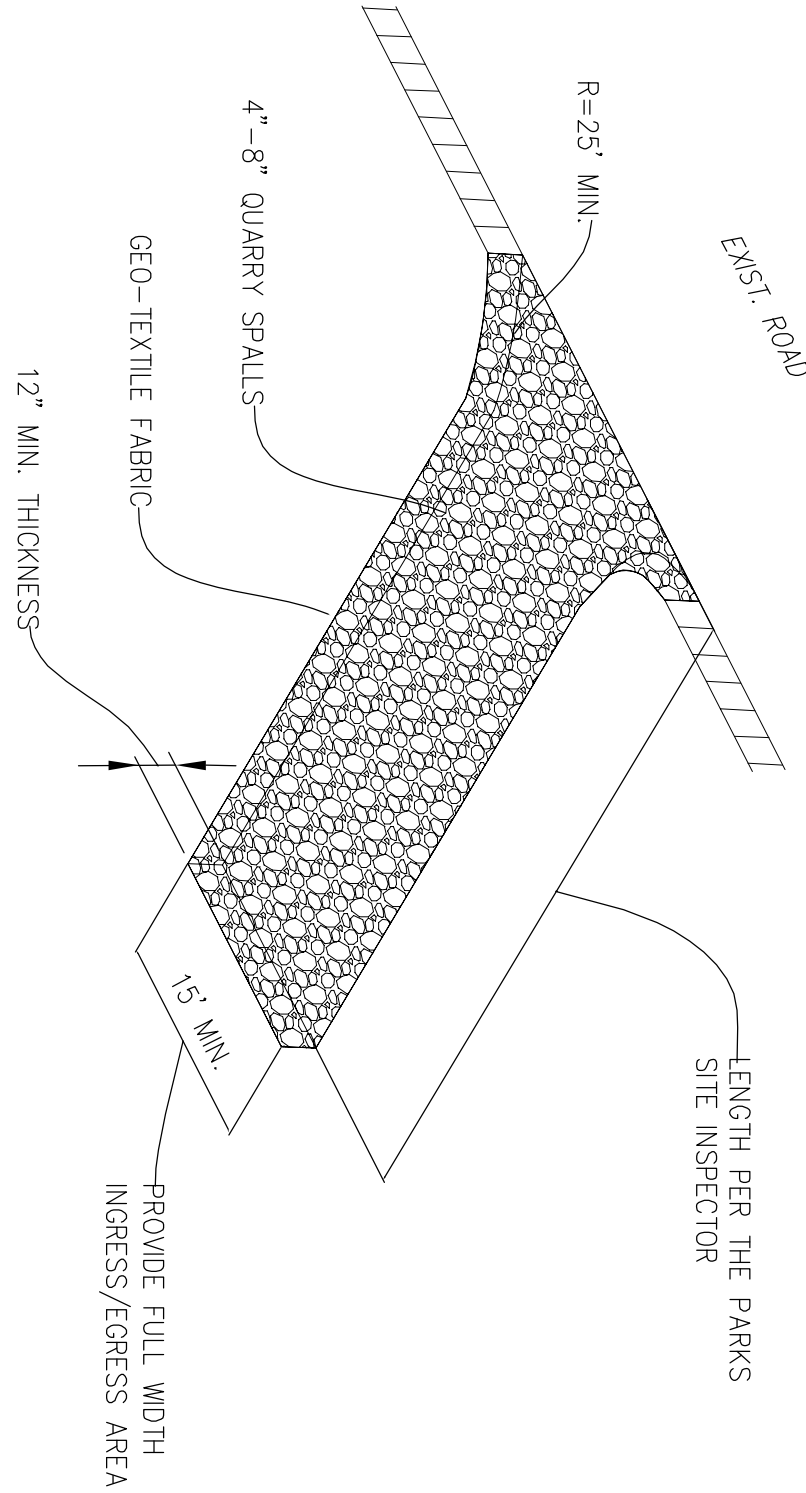


- NOTES:
1. CHAIN LINK FABRIC TO BE MIN. 11 GAUGE, GALVANIZED. NO RUSTED OR EXCESSIVELY MALFORMED FABRIC.
  2. FENCE BASES SHALL BE OF SUFFICIENT WEIGHT and/or SPREAD TO PREVENT UPLIFT.
  3. PANEL TO-PANEL CONNECTIONS SHALL BE MADE AT A MIN. TWO LOCATIONS PER CONNECTION UNLESS OTHERWISE APPROVED.
  4. PROVIDE CONSTRUCTION WARNING SIGNAGE 50' O.C. ALONG FENCING INSTALLATION.

### 3 6' HIGH CHAIN LINK CONSTRUCTION FENCING

PARKS STD. DETAIL # 02270.25 NOT TO SCALE

LENGTH PER THE PARKS  
SITE INSPECTOR

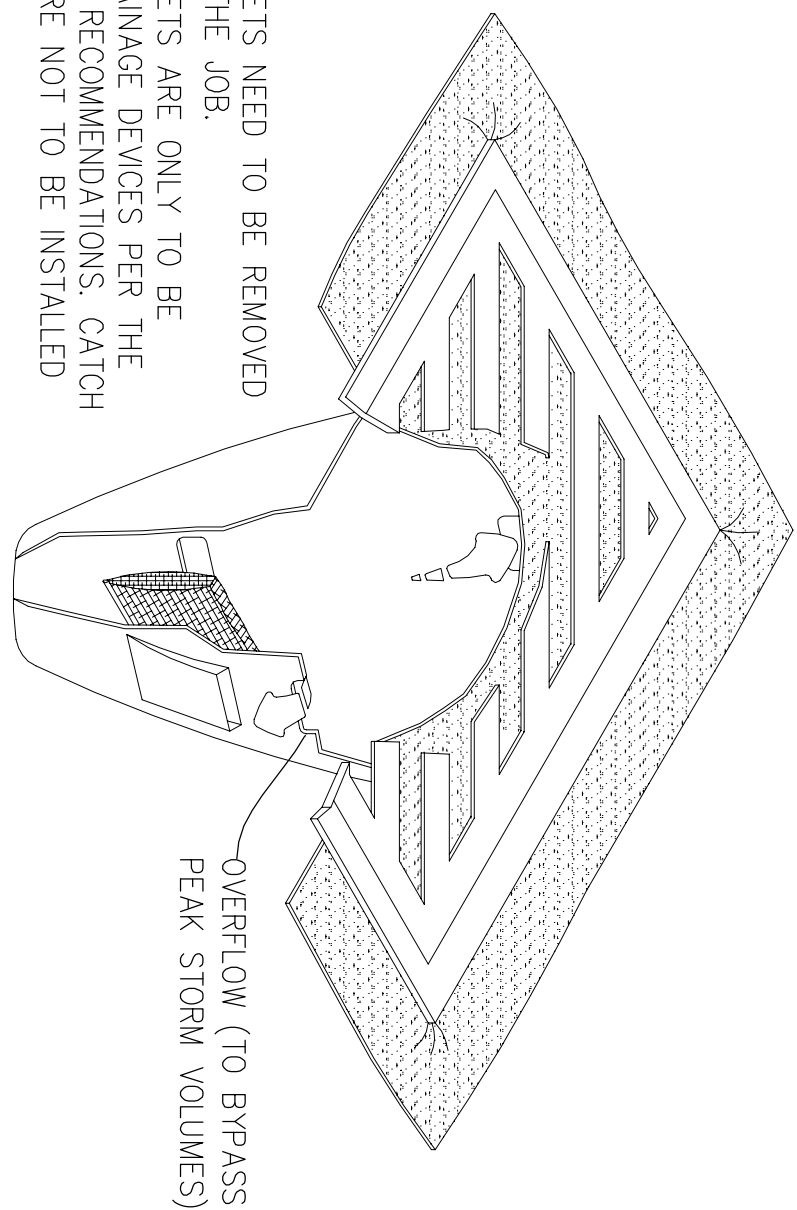


STABILIZED ACCESS SHALL BE USED IN ALL AREAS OF THE SITE WITH VEHICLE TRAFFIC AND PARKING, INCLUDING PLANTING STRIPS. OTHER MEANS OF PROVIDING STABILIZED ACCESS WILL BE CONSIDERED.

PURPOSE: TO REDUCE THE AMOUNT OF MUD, DIRT, ROCKS, ETC. TRANSPORTED ONTO PUBLIC ROADS BY MOTOR VEHICLES OR RUNOFF.

### 6 CONSTRUCTION ACCESS & WHEEL WASH

DPD T.E.S.C. STD. DETAIL NO. E.2.10 NOT TO SCALE



- NOTES:
1. STORM DRAIN INLETS NEED TO BE REMOVED AT THE END OF THE JOB.
  2. STORM DRAIN INLETS ARE ONLY TO BE INSTALLED IN DRAINAGE DEVICES PER THE MANUFACTURER'S RECOMMENDATIONS. CATCH BASIN INSERTS ARE NOT TO BE INSTALLED IN CURB INLETS.
  3. INSERTS SHALL BE INSPECTED AND MAINTAINED WHEN A 1 1/2 INCH RAIN ACCUMULATES WITHIN A 24 HOUR PERIOD. CLEAN AND/OR REPLACE INSERT WHEN HALF OF THE TRAP IS FILLED WITH SEDIMENTS.

PURPOSE: TO PREVENT SEDIMENT FROM ENTERING STORM DRAINAGE SYSTEMS PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA.

### 9 STORM DRAIN INLET (CATCH BASIN) INSERT

DPD T.E.S.C. STD. DETAIL NO. E.3.30 NOT TO SCALE

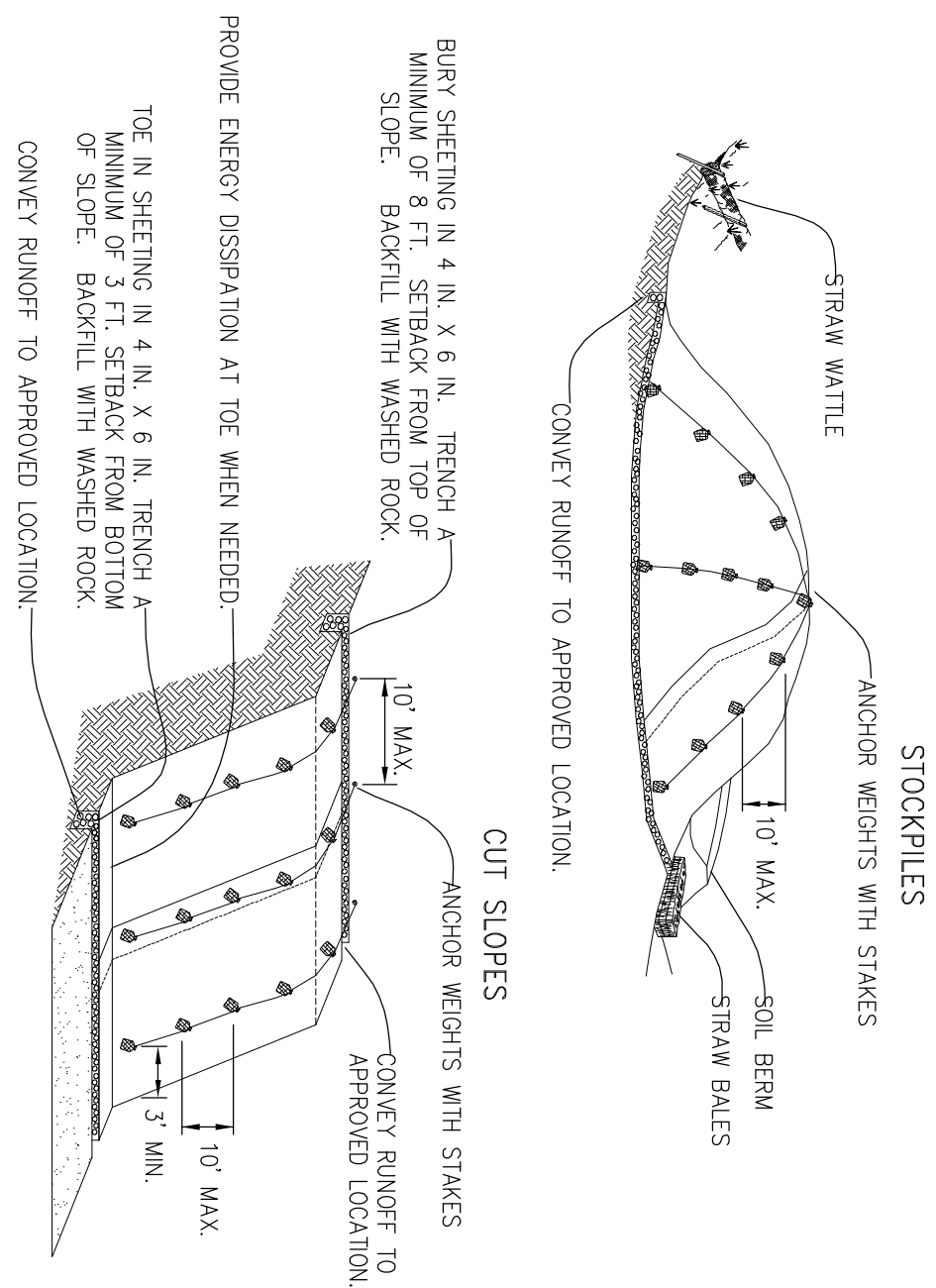
## TREES IN PARKS AND ADJACENT PLANTING STRIPS

|                   |   |
|-------------------|---|
| ROOT PROTECTION   | NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN THE DRIP LINE OF ANY TREES.<br><br>ALL NON-PAVED SURFACES IN ZONE B SUBJECT TO IMPACT (COMPACTION) BY CONSTRUCTION ACTIVITIES SHALL BE PROTECTED WITH 6"--8" OF MULCH LAYER, 3/4" PLYWOOD PANELS OR STEEL PLATES.<br><br>PROVIDE WOOD PLANKING OR STEEL PANELS UNDER BACKHOE STABILIZERS PLACED ANYWHERE IN ZONE B.<br><br>NO STORAGE OF MATERIALS OR EQUIPMENT SHALL BE ALLOWED IN ZONE B WITHOUT PROPER SURFACE PROTECTION AND WRITTEN AUTHORIZATION FROM THE ENGINEER.<br><br>RETAIN EXISTING PAVING DURING CONSTRUCTION AS LONG AS PRACTICABLE AND SCHEDULE PAVEMENT REPLACEMENT TO MINIMIZE EXPOSURE OF SURFACE ROOTS TO DRYING, EQUIPMENT DAMAGE, COMPACTION, ETC.<br><br>EXPOSURE FOR LONGER THAN 48 HOURS REQUIRES MULCH APPLICATION. |
| CANOPY PROTECTION | OVERHEAD BRANCHING LIKELY TO BE DAMAGED BY EQUIPMENT OPERATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. PREVENTIVE MEASURES (PRUNING OR THE BACK OF BRANCHES) AS APPROVED BY THE ENGINEER SHALL BE PROPERLY EXECUTED BEFORE COMMENCEMENT OF THE CONSTRUCTION ACTIVITIES.  |
| TRUNK PROTECTION  | PROVIDE 6" MIN. HEIGHT CHAIN LINK CONSTRUCTION FENCING FOR INDIVIDUAL FENCE INSTALLATIONS AROUND EACH TREE OR AROUND GROUPINGS OF TREES AS DIRECTED BY THE ENGINEER WITHIN THE WORK AREA. OPTIONAL 4" HIGH ORANGE OR GREEN PVC WEB FENCING MAY BE USED IN SOME APPLICATIONS ONLY AS APPROVED BY THE ENGINEER.   |

|                            |  |
|----------------------------|--|
| TRENCHING AND/OR TUNNELING | WHEN TRENCHING FOR UTILITIES WITHIN ZONE B, HAND DIG OR TUNNEL AROUND ROOTS WHENEVER POSSIBLE. CUT ALL ROOTS CLEANLY WITH SHARP PRUNERS OR SAWS IF ROOTS OVER 2" DIA. ARE ENCOUNTERED. NOTIFY THE ENGINEER FOR INSPECTION AND A ROOTAL CUT ORDER PRECEDING. ROOT PRUNE SHALL AS DIRECTED BY THE ENGINEER.<br><br>AIR OR WATER-SPADING, OR BORING MAY BE REQUIRED BY THE ENGINEER IN ZONE A OR ZONE B IF CONDITIONS WARRANT.<br><br>FOR INSTALLATION OF SILT FENCING, DO NOT TRENCH IN ZONE A OR ZONE B; INSTEAD SECURE TOE OF FENCING WITH DRAIN ROCK OR SUITABLE SOIL AND MONITOR/MAINTAIN FENCING AS NECESSARY TO PREVENT EROSION. |
|----------------------------|--|

### 2 TREE PROTECTION GENERAL NOTES

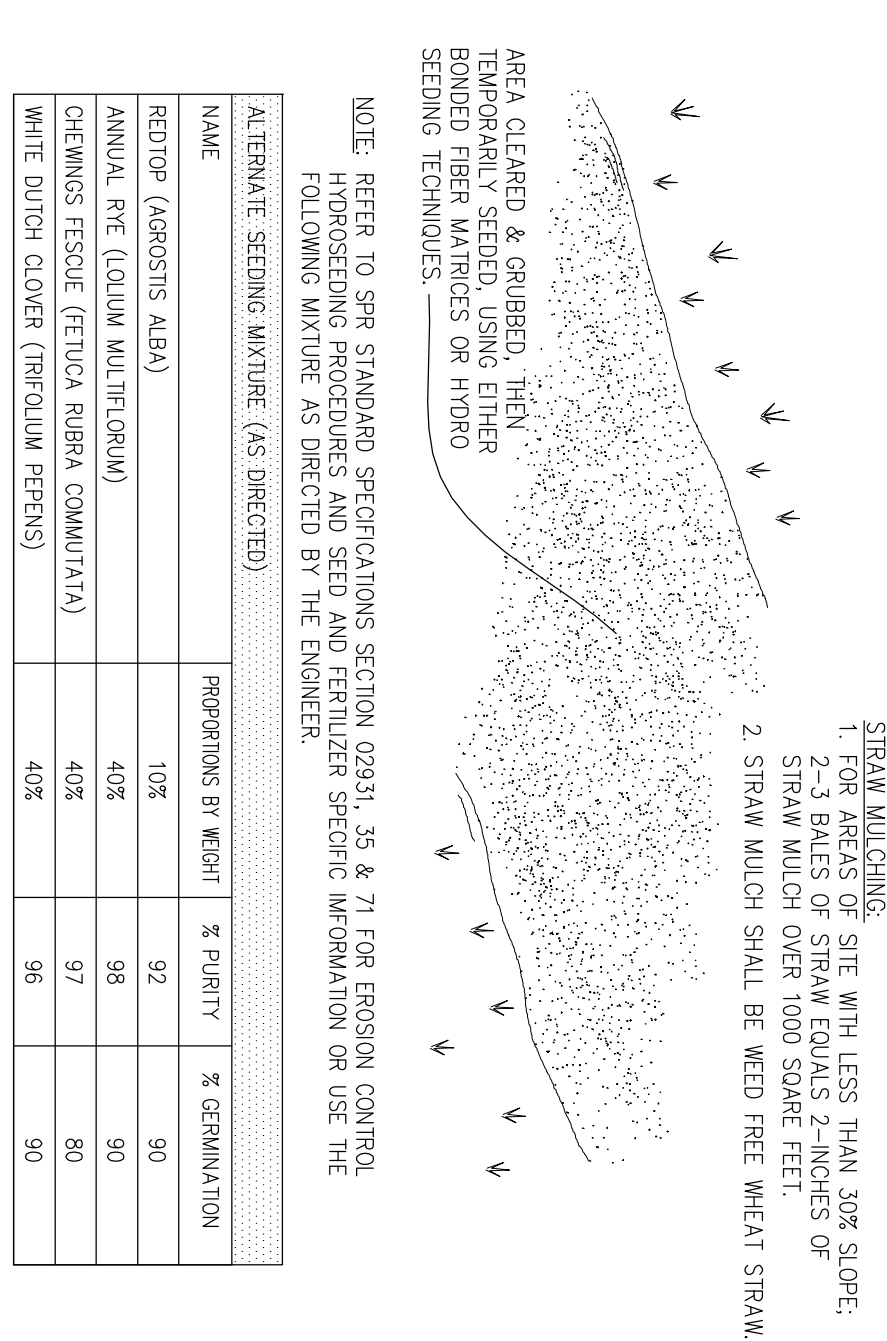
PARKS STD. DETAIL #02950.58 NOT TO SCALE



PURPOSE: TO PROVIDE IMMEDIATE TEMPORARY EROSION PROTECTION TO SLOPES AND DISTURBED AREAS THAT CANNOT BE COVERED BY MULCHING & MATING.

### 5 TEMPORARY PLASTIC COVERING

DPD T.E.S.C. STD. DETAIL NO. E.1.20 NOT TO SCALE



STRAW MULCHING: ONE WITH LESS THAN 10% SLOPE; 1. 2-3 BALES OF STRAW EQUALS 2-INCHES OF STRAW MULCH OVER 1000 SQUARE FEET.  
2. STRAW MULCH SHALL BE WEED FREE WHEAT STRAW.

AREA CLEARED & GRUBBED, THEN MULCHED AND SEEDING. THE MULCHING SHALL BE DONE WITH BOMED FIBER MATRICES OR HYDRO SEEDING TECHNIQUES.

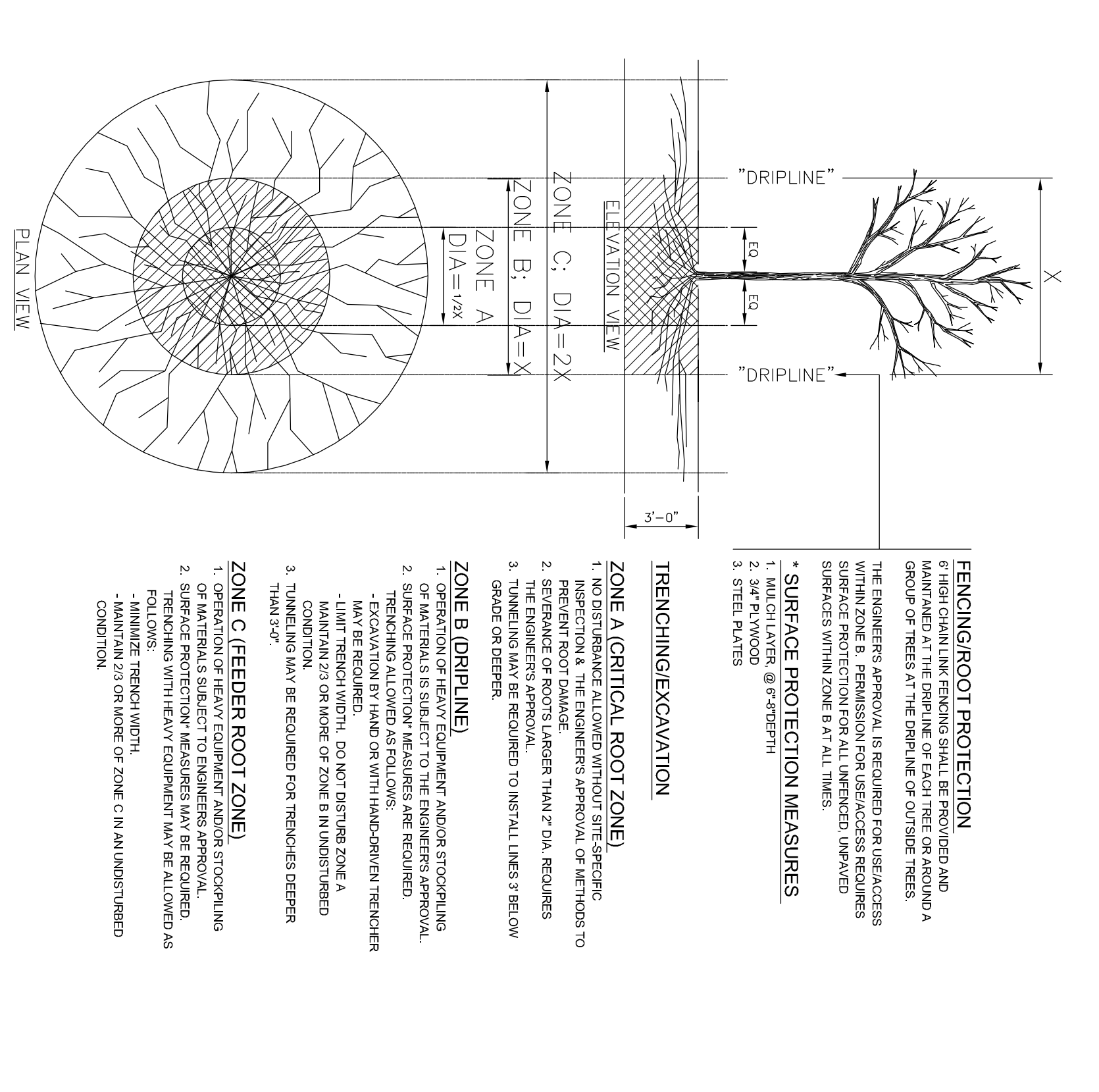
NOTE: REFER TO SPR STANDARD SPECIFICATIONS SECTION 02931, 35 & 71 FOR EROSION CONTROL, HYDROSEEDING PROCEDURES AND SEED AND FERTILIZER SPECIFIC INFORMATION OR USE THE FOLLOWING MATRICES AS DIRECTED BY THE ENGINEER.

| ALTERNATE SEEDING MIXTURE (AS DIRECTED) | PROPORTIONS BY WEIGHT | % PURITY | % GERMINATION |
|---|-----------------------|----------|---------------|
| REDTOP (LADOSITIS ALBA)                 | 10%                   | 92       | 90            |
| ANNUAL RYE (LULIUM MULTICOLOR)          | 40%                   | 98       | 90            |
| CHEMIS FESCUE (FESTUCA RUBRA COMMUNIS)  | 40%                   | 97       | 80            |
| WHITE DUTCH CLOVER (TRIFOLIUM PRENS)    | 40%                   | 96       | 90            |

PURPOSE: 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.

### 8 TEMPORARY SEEDING & MULCHING

DPD T.E.S.C. STD. DETAIL NO. E.1.10 NOT TO SCALE



**FENCING/ROOT PROTECTION**  
6" HIGH CHAIN LINK FENCING SHALL BE PROVIDED AND MAINTAINED AT THE DRIP LINE OF EACH TREE OR AROUND A GROUP OF TREES TO THE EXTENT OF 50' FROM TREES.  
  
THE ENGINEER APPROVAL IS REQUIRED FOR SURFACES WITHIN ZONE B AT ALL TIMES.  
  
\* **SURFACE PROTECTION MEASURES**  
1. MULCH LAYER @ 6" DEPTH  
2. 3/4" PLYWOOD  
3. STEEL PLATES

#### TRENCHING/EXCAVATION

##### ZONE A (CRITICAL ROOT ZONE)

1. OPERATIONS OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS IS SUBJECT TO THE ENGINEER'S APPROVAL.
2. SURFACE PROTECTION MEASURES MAY BE REQUIRED.
3. TRENCHING ALLOWED AS FOLLOWS:
  - EXCAVATION BY HAND OR WITH HAND-DRIVEN TRENDER MAY BE REQUIRED.
  - TRENCHING SHALL NOT DISTURB ZONE A MATERIALS 25' OR MORE OF ZONE B IN UNDISTURBED CONDITION.
  - 3. TRENCHING SHALL BE REQUIRED FOR TRENCES DEEPER THAN 32"

##### ZONE B (DRIPLINE)

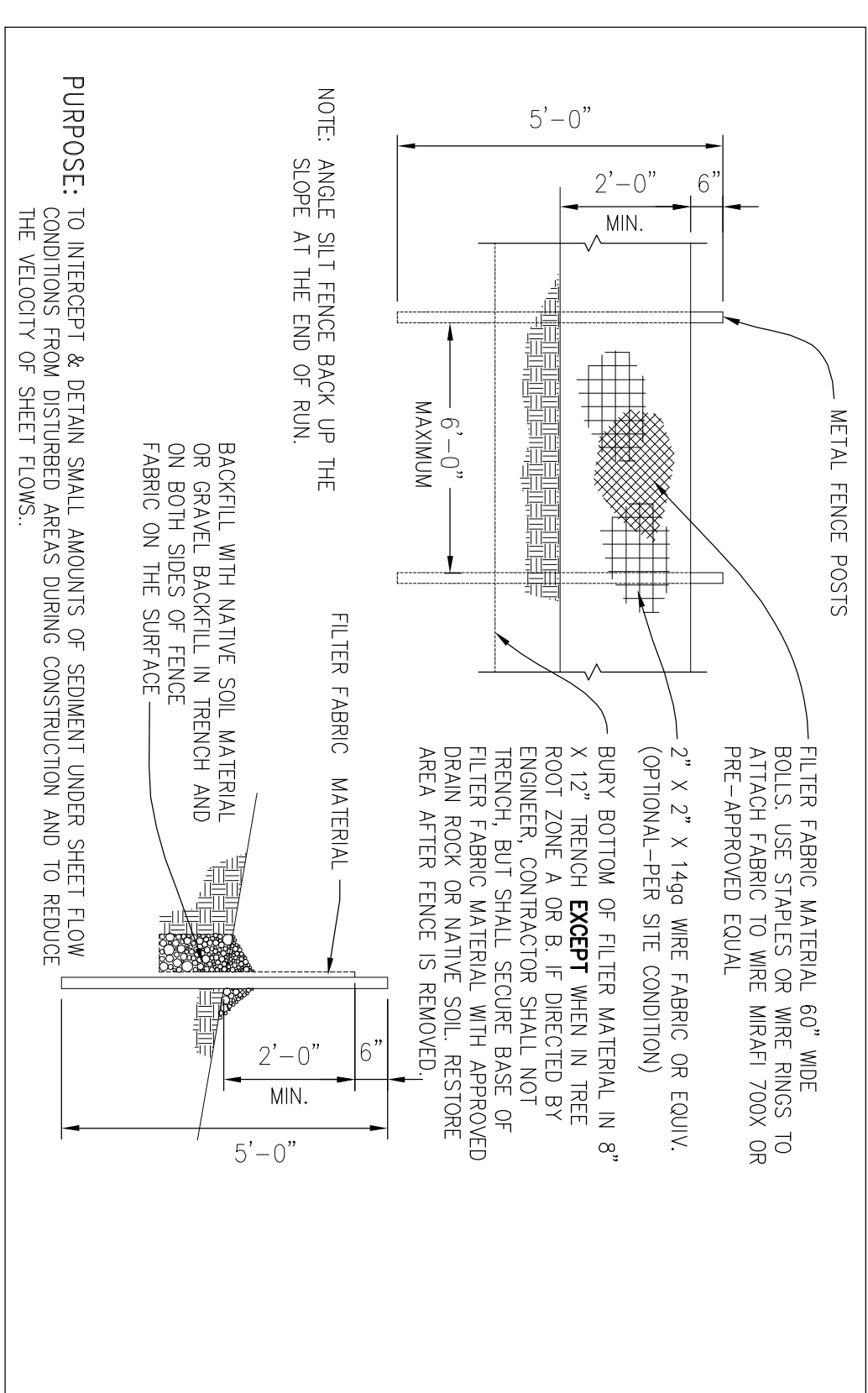
1. OPERATIONS OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS IS SUBJECT TO THE ENGINEER'S APPROVAL.
2. SURFACE PROTECTION MEASURES MAY BE REQUIRED.
3. TRENCHING ALLOWED AS FOLLOWS:
  - EXCAVATION BY HAND OR WITH HAND-DRIVEN TRENDER MAY BE REQUIRED.
  - TRENCHING SHALL NOT DISTURB ZONE A MATERIALS 25' OR MORE OF ZONE B IN UNDISTURBED CONDITION.
  - 3. TRENCHING SHALL BE REQUIRED FOR TRENCES DEEPER THAN 32"

##### ZONE C (FEEDER ROOT ZONE)

1. OPERATIONS OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS IS SUBJECT TO THE ENGINEER'S APPROVAL.
2. SURFACE PROTECTION MEASURES MAY BE REQUIRED.
3. TRENCHING ALLOWED AS FOLLOWS:
  - EXCAVATION BY HAND OR WITH HAND-DRIVEN TRENDER MAY BE REQUIRED.
  - TRENCHING SHALL NOT DISTURB ZONE A MATERIALS 25' OR MORE OF ZONE B IN UNDISTURBED CONDITION.
  - 3. TRENCHING SHALL BE REQUIRED FOR TRENCES DEEPER THAN 32"

### 1 TREE PROTECTION DETAIL

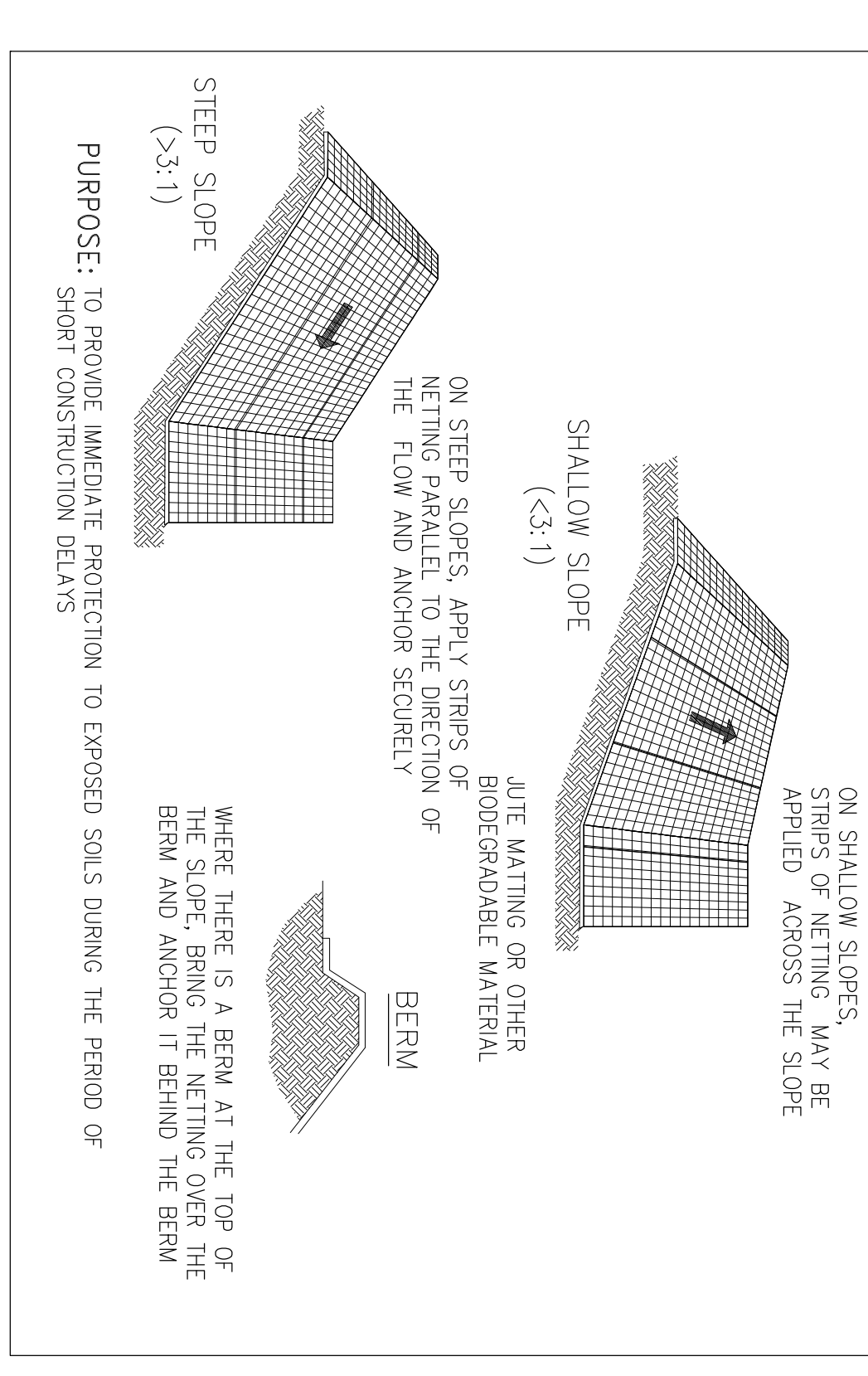
PARKS STD. DETAIL # 02950.57 NOT TO SCALE



PURPOSE: TO INTERCEPT & DETAIN SMALL AMOUNTS OF SEDIMENT UNDER SHEET FLOW CONDITIONS FROM DISTURBED AREAS DURING CONSTRUCTION AND TO REDUCE THE VELOCITY OF SHEET FLOWS.

### 4 FILTER FENCE (SILT CONTROL FENCING)

DPD T.E.S.C. STD. DETAIL NO. E.3.10 NOT TO SCALE



PURPOSE: TO PROVIDE IMMEDIATE PROTECTION TO EXPOSED SOILS DURING THE PERIOD OF SHORT CONSTRUCTION DELAYS

### 7 MATTING/ROLLED EROSION CONTROL MEASURES

DPD T.E.S.C. STD. DETAIL NO. E.1.15 NOT TO SCALE