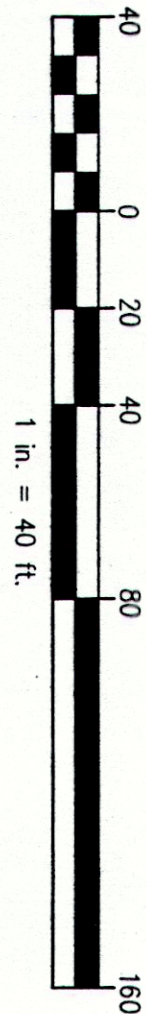


EROSION CONTROL NOTES:



MANAGEMENT STRATEGIES:

- CONSTRUCTION SHALL BE SCHEDULED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
- EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE ON SITE.
- AREAS WHICH ARE NOT TO BE DISTURBED SHALL BE CLEARLY MARKED BY FLAGS, SIGNS, ETC. RETAIN EXISTING VEGETATION WHERE FEASIBLE.
- THESE SHALL BE NO STORAGE OF ANY KIND OF ANY CHEMICALS, PESTICIDES, FUELS AND OTHER POTENTIALLY TOXIC OR HAZARDOUS MATERIALS ON SITE.
- STOCKPILES, JUNK, RUBBISH OR OTHER NON-Biodegradable WASTE MATERIALS SHALL BE BARRIED ON ANY LAND IN THE DEVELOPMENT OR LEFT ON ANY LOT OR ON THE STREET RIGHT-OF-WAY, AND REMOVAL OF SAME SHALL BE REQUIRED PRIOR TO FINAL RELEASE OF ANY COVENEANTS OF SECURITY, BUREAU OF BIOCORRODABLE MATERIALS ON THE SITE SHALL BE SUBJECT TO APPROVAL OF THE BOARD OF HEALTH. THE BURIAL LOCATIONS AND DESCRIPTION OF BURIED MATERIALS SHALL BE NOTED ON THE AS-BUILT PLAN.
- ALL MATERIALS SHALL BE REMOVED FROM THE SITE OF THE DEVELOPMENT AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES. OPERATIONS ARE TO BE USED AS OUTLINED IN TEMPORARY MEASURES NOTE 10. BELOW.
- THIS PROJECT WILL REQUIRE THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN. THE CONTRACTOR SHALL FILE A NOTICE OF INTENT WITH THE ENVIRONMENTAL PROTECTION AGENCY (EPA) PRIOR TO COMMENCEMENT OF CONSTRUCTION.

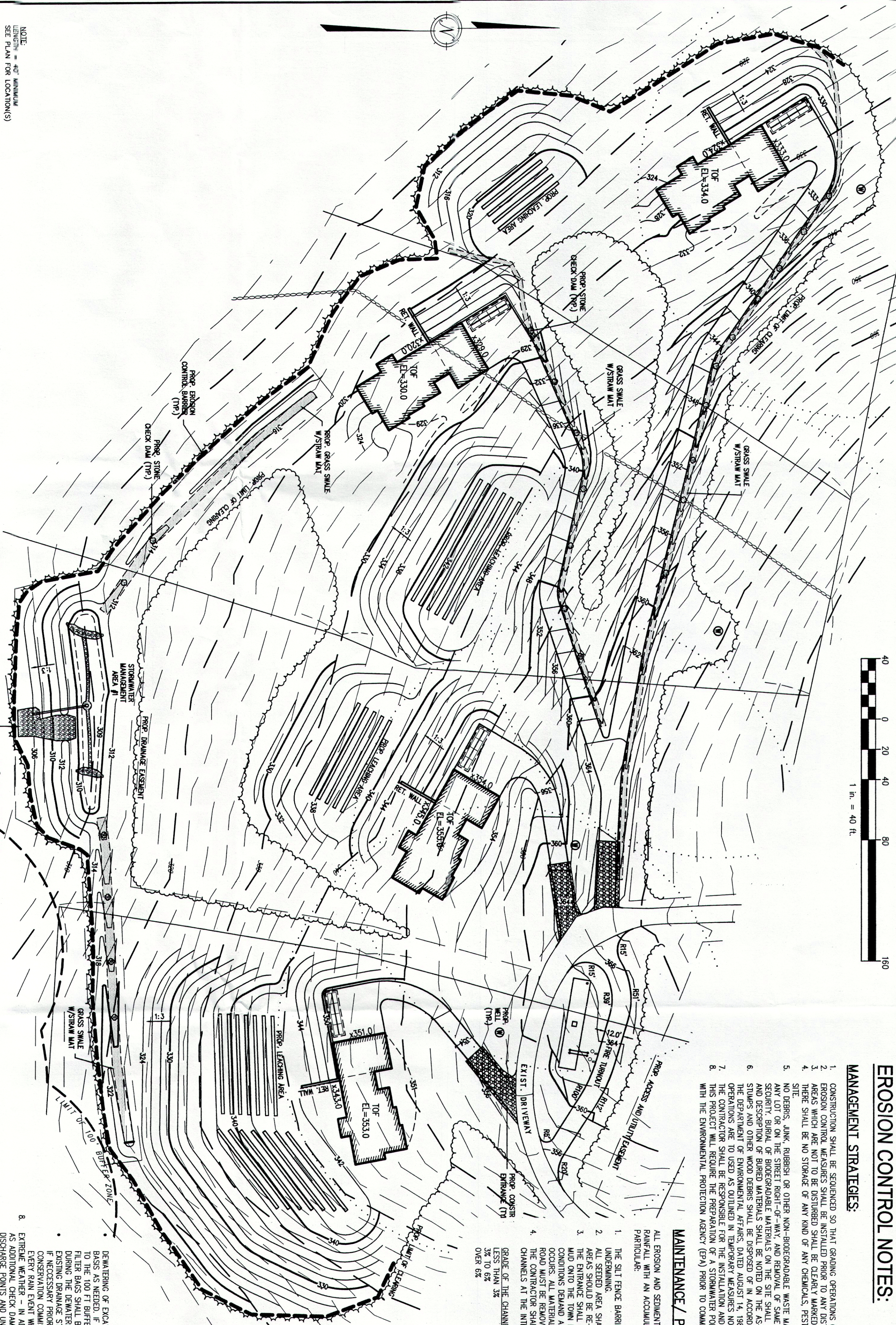
MAINTENANCE / PERFORMANCE STANDARDS:

ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL WITH AN ACCUMULATION OF $\frac{1}{2}$ " OR MORE. THE FOLLOWING ITEMS SHALL BE CHECKED IN PARTICULAR:

- THE SILT FENCE BARRIERS SHALL BE CHECKED REGULARLY FOR TEARS, DETEIORATION, AND UNDERMINING.
- ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED.
- THE DISTANCE BETWEEN CHECK DAMS SHALL BE MAINTAINED AS NEARLY AS POSSIBLE TO THE DISTANCE SPECIFIED ON THE PLAN. THE DISTANCE SHALL BE RECHECKED AS NEEDED TO PREVENT OVERFLOWING, FLOODING, OR DISPLACEMENT OF STONE OR CEMENTATION. THE DISTANCE SHALL BE RECHECKED AS NEEDED TO PREVENT OVERFLOWING, FLOODING, OR DISPLACEMENT OF STONE OR CEMENTATION. THE DISTANCE SHALL BE RECHECKED AS NEEDED TO PREVENT OVERFLOWING, FLOODING, OR DISPLACEMENT OF STONE OR CEMENTATION.
- ALL CHECK DAMS SHALL BE CLEANED OUT OF ALL DEBRIS AND SILT.
- CHECK DAMS IN UNPAVED STREETS AND NON-VEGETATED OR UNPAVED AREAS SHALL BE RECHECKED AS NEEDED TO PREVENT OVERFLOWING, FLOODING, OR DISPLACEMENT OF STONE OR CEMENTATION. THE DISTANCE SHALL BE RECHECKED AS NEEDED TO PREVENT OVERFLOWING, FLOODING, OR DISPLACEMENT OF STONE OR CEMENTATION.

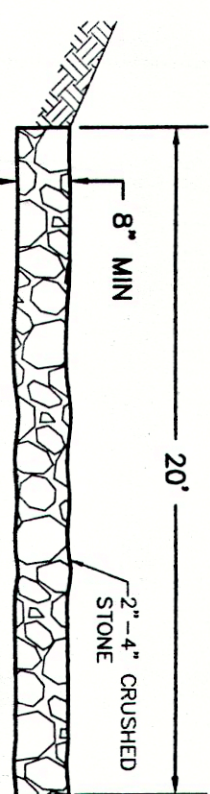
INTERVALS BETWEEN CHECK DAMS

LESS THAN 35' 100 FEET
35 TO 50' 250 FEET
50 TO 65' 500 FEET
OVER 65' 750 FEET



TEMP. CONST. ENT. DETAIL

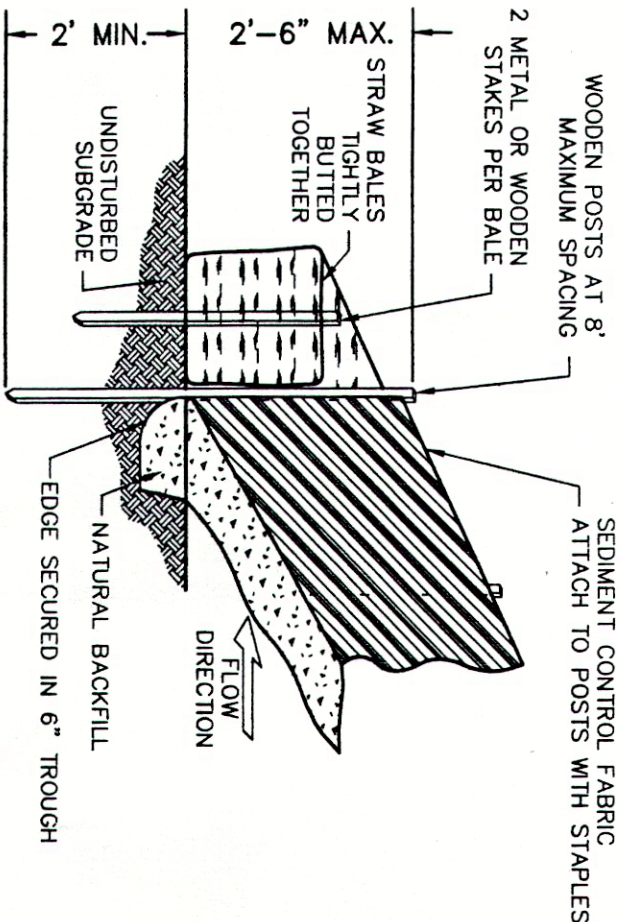
NOT TO SCALE



NOTE:
1" = 8" MINIMUM
SEE PLAN FOR LOCATIONS

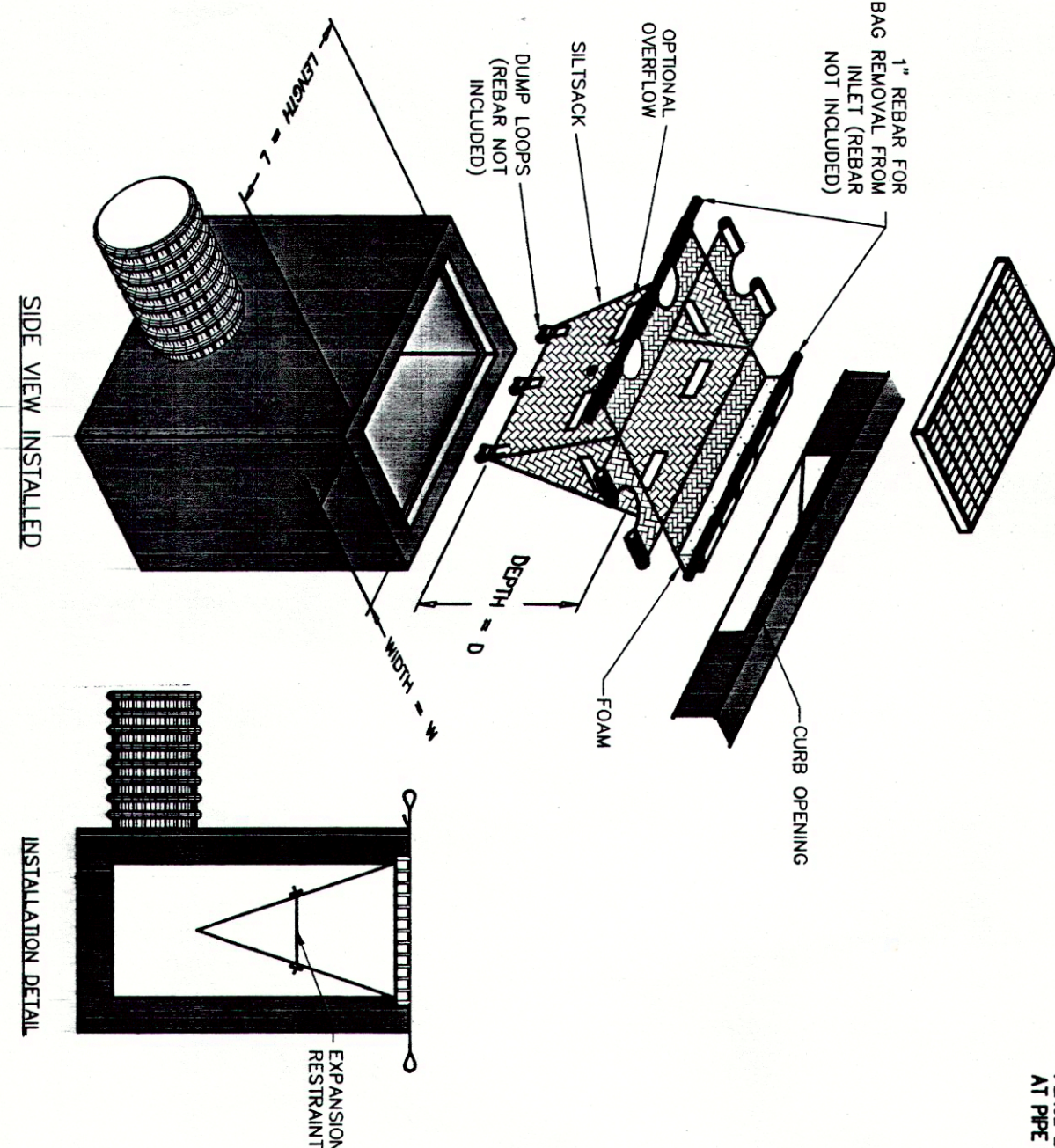
SILTATION BARRIER

NOT TO SCALE



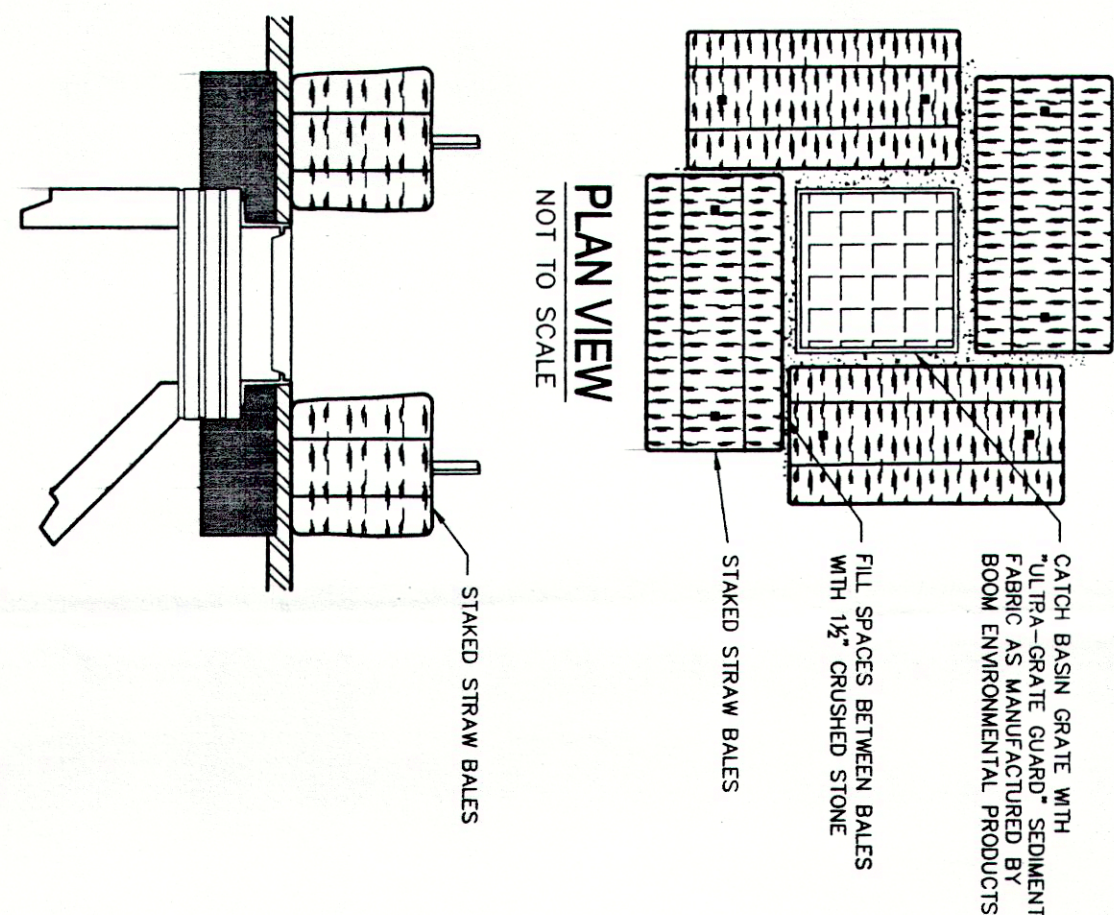
SILT SACK DETAIL

NOT TO SCALE



CATCH BASIN SEDIMENT TRAP

NOT TO SCALE

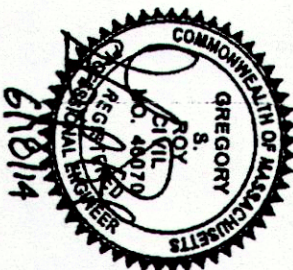


TEMPORARY MEASURES:

- PLACE SILT FENCE AND SILT FENCE WITH STRAW BALES AS SHOWN ON THE EROSION CONTROL PLAN.
- PLACE STRAW BALES AROUND CATCH BASINS AND OTHER STORM DRAIN INLETS AFTER CONSTRUCTION. CATCH BASIN INSERTS MAY BE USED IN AREAS WHERE MANEUVERABILITY AROUND APPEARANCES IS AN ISSUE.
- PLACE CHECK DAMS IN SWALES AND ON EXPOSED ROAD SECTIONS AS REQUIRED BY THE TOWN OF STOW REGULATIONS.
- DOWNING CHECK DAMS PROVIDE MEANS FOR MINOR FLOODING OF DRAINAGE AREAS.
- STOCKPILE LOCATIONS SHALL BE WITHIN THE PROPOSED LIMIT OF CLEARING. PLACE SILT FENCE AROUND ALL STOCK PILE AREAS. PILES LEFT FOR 21 DAYS OR MORE SHALL BE SEED OR COVER WITH PLASTIC SHEETING.
- CONTRACTOR TO USE STUMP GRINDING, WOOD CHIPS, AND TAILINGS FROM TREE REMOVAL OPERATIONS FOR TEMPORARY SLOPE STABILIZATION AS ACCEPTABLE EXCESS MATERIAL SHOULD BE STOCKPILED FOR USE AS REQUIRED DURING CONSTRUCTION. BE REMOVED FROM SITE ACCORDING TO STATE, LOCAL AND FEDERAL GUIDELINES. CONSTRUCTION DEBRIS WILL INCLUDE PAVEDMENT, UTILITY, EARTH AND BUILDING MATERIALS THAT CANNOT BE REUSED. THE RECEPTAGES WILL BE LOCATED ON-SITE, COVERED, AND PLACED WELL AWAY FROM THE WETLAND RESOURCE AREAS AND CATCH BASINS AS POSSIBLE.
- PERMANENT STABILIZATION:

- SLOPES FLATTER THAN 3 TO 1 SHALL BE LOADED (4" MIN.) AND HYDROSEEDED (WITH MULCH & TACKLER). SLOPES SHALL BE MONITORED FOR SIGNS OF WASHOUT. PROVIDE ADDITIONAL MULCHING OR OTHER ACCEPTABLE SLOPE PROTECTION AS REQUIRED UNTIL VEGETATION IS ESTABLISHED.
- SLOPES STEEPER THAN 3 TO 1 SHALL BE RESTORED WITH 4" OF LOAM (MIN.), HYDROSEED (WITH MULCH & TACKLER) AND STAKED DOWN EROSION CONTROL BLANKET SIMILAR TO NORTH AMERICAN GREEN SC 150 BN. INSTALL IN ACCORDANCE WITH THE LINES OTHERWISE INDICATED HEREON. ALL DISTURBED AREAS SHALL BE LOADED (4" MIN.) AND HYDROSEEDED (WITH MULCH & TACKLER). AREAS NOT STABILIZED BEFORE THE END OF THE FALL PLANNING SEASON SHALL BE STABILIZED WITH MULCH, THEN HYDROSEEDING IN THE SPRING.
- STABILIZE ALL PONDS, BOTTOM AND SIDE SLOPES OF PONDS SHALL BE STABILIZED WITH ONE WEEK OF COMPLETION OF ROUGH GRADING. CONTRACTS SHALL BE STABILIZED WITHIN ONE WEEK OF PILE PLACEMENT.
- THE TEMPORARY MEASURES WILL NOT BE REMOVED UNTIL PERMANENT STABILIZATION HAS OCCURRED.

RESERVED FOR REGISTRY USE



PROFESSIONAL ENGINEER



PROFESSIONAL LAND SURVEYOR
I CERTIFY THAT I AM A LICENSED LAND SURVEYOR
TO THE RULES AND REGULATIONS
OF THE REGISTERS OF DEEDS OF THE
COMMONWEALTH OF MASSACHUSETTS

APPROVAL REQUIRED UNDER THE SUBDIVISION CONTROL LAW
DATE APPROVED: _____

DATE ENDORSED: _____

APPROVED SUBJECT TO CONDITIONS SET FORTH
IN A COVENANT EXECUTED BY _____ AND TO BE RECORDED HERewith
DATED _____

NO BUILDING OR STRUCTURE SHALL BE BUILT OR PLACED ON ANY LOT
WITHOUT A PERMIT FROM THE BOARD OF HEALTH

CLERK OF THE TOWN OF
HEREBY CERTIFY THAT THE NOTICE OF THE APPROVAL OF THIS PLAN BY THE
PLANNING BOARD HAS BEEN RECEIVED AND RECORDED BY THIS OFFICE AND
NO APPEAL WAS RECEIVED DURING THE TWENTY (20) DAYS NEXT AFTER
RECEIPT AND RECORDING OF SAID NOTICE.

STOW TOWN CLERK DATE

ZONING CLASSIFICATION: RESIDENTIAL (RES)

HAMMERHEAD LOTS:

FRONTAGE = 50'
LOT AREA (MIN.) = 180,000 SQ. FT.
LOT SHAPE (MIN.) = 10%
FLOOR AREA RATIO = NR
CONVENTIONAL LOTS:
FRONTAGE = 200'
LOT AREA (MIN.) = 65,340 SQ. FT.
OPEN SPACE (MIN.) = 10%
FLOOR AREA RATIO = 0.40

OWNER: ALICE A. CUSHING
P.O. BOX 418
STOW, MA 01775
APPLICANT: ALICE A. CUSHING
P.O. BOX 418
STOW, MA 01775

BOOK/PAGE: MAP R-1, PARCEL 27
BOOK 25093, PAGE 356

SPRING HILL ESTATES
DEFINITIVE SUBDIVISION DEVELOPMENT
STOW, MASSACHUSETTS
EROSION CONTROL PLAN

NO.	DATE	DESCRIPTION	BY

PREPARED BY:

DUCHARME & DILLIS
Civil Design Group, Inc.
CIVIL ENGINEERS • LAND SURVEYORS • WETLAND CONSULTANTS
1092 MAIN STREET, P.O. BOX 428
BOLTON, MASSACHUSETTS 01740
PHONE: (978) 779-6091 FAX: (978) 779-0260
www.DucharmeDillis.com

DESIGN BY:	GSR	DRAWN BY:	GSR	CHECKED BY:	GSR/SRD	SHEET NO.	7
DATE:	6/16/14	JOB NUMBER:	4812	DRAWING NO.	4812-GRD	OF	9