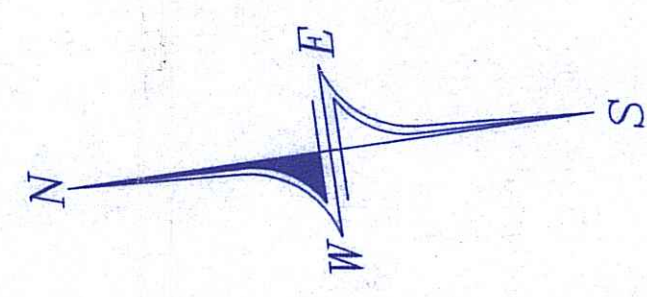


LOCATION MAP
(Not To Scale)

MAPPING NOTE:
THIS SURVEY AND PLAN CONFORM TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

SAUGA TUCKET RIVER



NOTE:
ALL PROPOSED WORK IS ABOVE THE A-ZONE FLOODPLAIN

MAIN STREET

A.P. 56-3 LOT 58

BENCHMARK:
CHISELED SQUARE
ELEV.=13.89' (NGVD 29)

Limit of Disturbance Revised per RI DEM

EXISTING PARKING LOT

A.P. 56-3 LOT 57
0.54 ACRES±

200' RIVERBANK WETLAND

SILT FENCE/LIMIT OF DISTURBANCE

PROPOSED RAMP

PROPOSED ENCLOSED ENTRY

PROPOSED PLANTINGS

EXISTING OFFICE BLDG.
SOUTH COUNTY ORTHOPEDICS
#1 HIGH STREET

15.49
19.48 FLOOR EL.
EXISTING STAIRS TO BE REMOVED
17.77
19.42 FLOOR EL.
EXISTING STAIRS & RAMP TO BE REMOVED

A.P. 56-3 LOT 56

HIGH STREET

A.P. 56-3 LOT 102

NOTE:
FLOOD ZONE A7
ELEV. 15' MSL

OWNER/APPLICANT:
ORTHOPEDIC REALTY ASSOC. LLC
c/o RICK MAILLOUX
ONE HIGH STREET
WAKEFIELD, RI 02879

NOTE:
THE PROPERTY LINES SHOWN HEREON ARE APPROXIMATE ONLY. THEY HAVE BEEN DEVELOPED USING TAX MAPS AND OTHER SOURCES OF INFORMATION. THESE REPRESENTATIONS ARE NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND THE PROPOSED WORK IS SUBJECT TO CHANGES THAT AN ACCURATE SURVEY MAY DISCLOSE PRIOR TO CONSTRUCTION.

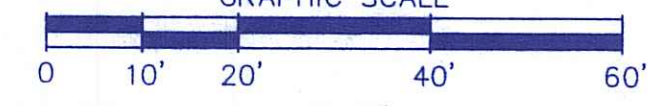
A.P. 56-3 LOT 101

ZONING DISTRICT-CD

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 15 2010 FILE # 10-0031
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

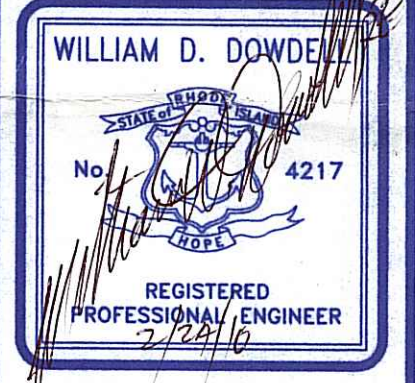
Nancy L. Freeman

SCALE: 1" = 20'
GRAPHIC SCALE



WETLAND PERMIT PLAN
A.P. 56-3 LOT 57
PREPARED FOR
ORTHOPEDIC REALTY ASSOC. LLC
SITUATED IN THE TOWN OF
SOUTH KINGSTOWN, RHODE ISLAND

NO.	REVISION	DATE



DOWDELL
ENGINEERING, INC.
CIVIL & ENVIRONMENTAL ENGINEERS
SURVEYORS & LAND PLANNERS
P.O. BOX 1884 • 3846 OLD POST ROAD
SOUTH KINGSTOWN, RHODE ISLAND 02883
(401) 384-1027

JOB NO. 2535	DRAWN BY: R.L.C.
DWG. NO. 2535-WET.	CHECKED: W.D.D.
SCALE: 1"=20'	APPROVED: W.D.D.
DATE: FEB. 24, 2010	
SHEET: 1	
1 OF 2 SHEETS	

CIRCLED NOTES APPLY

EROSION CONTROL & SOIL STABILIZATION PROGRAM

1. DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
2. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION PERIOD.
3. THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH R.I. STANDARD SPECIFICATION M. 20.
4. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
5. THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:
 PERMANENT SEEDING MIXTURES:
 (A) -LAWNS:
 FOR SUN OR SHADED; MODERATE MANAGEMENT SUGGESTED
 (IMPROVED U.R.I. NUMBER 2 LAWN SEED MIXTURE).

	LBS/ACRE	LBS/1000SF
RED FESCUE	40	.90
KENTUCKY BLUEGRASS *	40	.90
PERENNIAL RYEGRASS **	20	.45

* 50% (20 LBS/ACRE) MUST BE NAMED OR IMPROVED VARIETY, SUCH AS AMERICAN KENTUCKY BLUEGRASS.
 ** MUST BE NAMED OR IMPROVED VARIETY, SUCH AS YORKTOWN
 II PERENNIAL RYEGRASS.

 B. -SOD WATERWAYS, DRAINAGE DITCHES, DETENTION BASINS, ETC.

	LBS/ACRE	LBS/1000SF
CREEPING RED FESCUE	20	.45
TALL FESCUE OR REED CANARYGRASS *	20	.45

* USE REED CANARY GRASS WHERE MOWING IS NOT REQUIRED. SUCH AS AMERICAN KENTUCKY BLUEGRASS.
 SOURCE: USDA, SOIL CONSERVATION SERVICE

 C. -SAND DUNES, BLOWING SAND

	NO./ACRE	NO./1000SF
'CAPE' AMERICAN BEACHGRASS CULMS	58,500	1,345

 D. -GENERAL PURPOSE LAWN

	LBS/ACRE	LBS/1000SF
RED FESCUE	75	1.75
KENTUCKY BLUEGRASS	15	.35
COLONIAL BENTGRASS	5	.11
PERENNIAL RYEGRASS	5	.11

SOURCE: U.R.I. AGRICULTURAL EXPERIMENT STATION BULLETIN 432 KINGSTON, R.I. (R.I. DEPT. OF TRANSPORTATION 'PARK' SEED MIXTURE).

 E. -GENERAL PURPOSE : MINIMUM MAINTENANCE; UNMOWED OR INFREQUENTLY MOWED

	LBS/ACRE	LBS/1000SF
RED FESCUE	75	1.75
COLONIAL BENTGRASS, 'EXETER'	5	.11
PERENNIAL RYEGRASS	5	.11
BIRDSFOOT TREFLOIL 'EMPIRE'	15	.35

*USE INOCULATED SEED; MAY INCLUDE 20% HARD SEED.
 SOURCE: U.R.I. AGRICULTURAL EXPERIMENT STATION BULLETIN 432 KINGSTON, R.I. (R.I. DEPT. OF TRANSPORTATION 'SLOPE' SEED MIXTURE).

 F. -BUFFER ZONES ADJACENT TO WETLANDS OR SURFACE WATERS AND WETLAND AREAS

	LBS/ACRE	LBS/1000SF
REED CANARY GRASS	20	.45
LADINO CLOVER*		

*USE INOCULATED SEED.

SEEDING DATES:
 EARLY SPRING OR LATE SUMMER SEEDING IS RECOMMENDED; MID-SUMMER SEEDING IS NOT RECOMMENDED. SPRING SEEDINGS OF ALL SEED MIXES WITH LEGUMES IS RECOMMENDED, HOWEVER LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER 1 CAN BE MADE. THE RECOMMENDED SEEDING DATES ARE: APRIL 1 THROUGH JUNE 15 AND AUGUST 15 THROUGH SEPTEMBER 30. THE FINAL SEEDING DATES MAY BE EXTENDED 15 DAYS IN NEWPORT COUNTY.

- 6. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
- 7. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3000-4000 LBS/AC.

8. ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. A TEMPORARY SEEDING GUIDE MUST BE INCLUDED AS A REFERENCE. THE FOLLOWING SPECIES ARE RECOMMENDED:

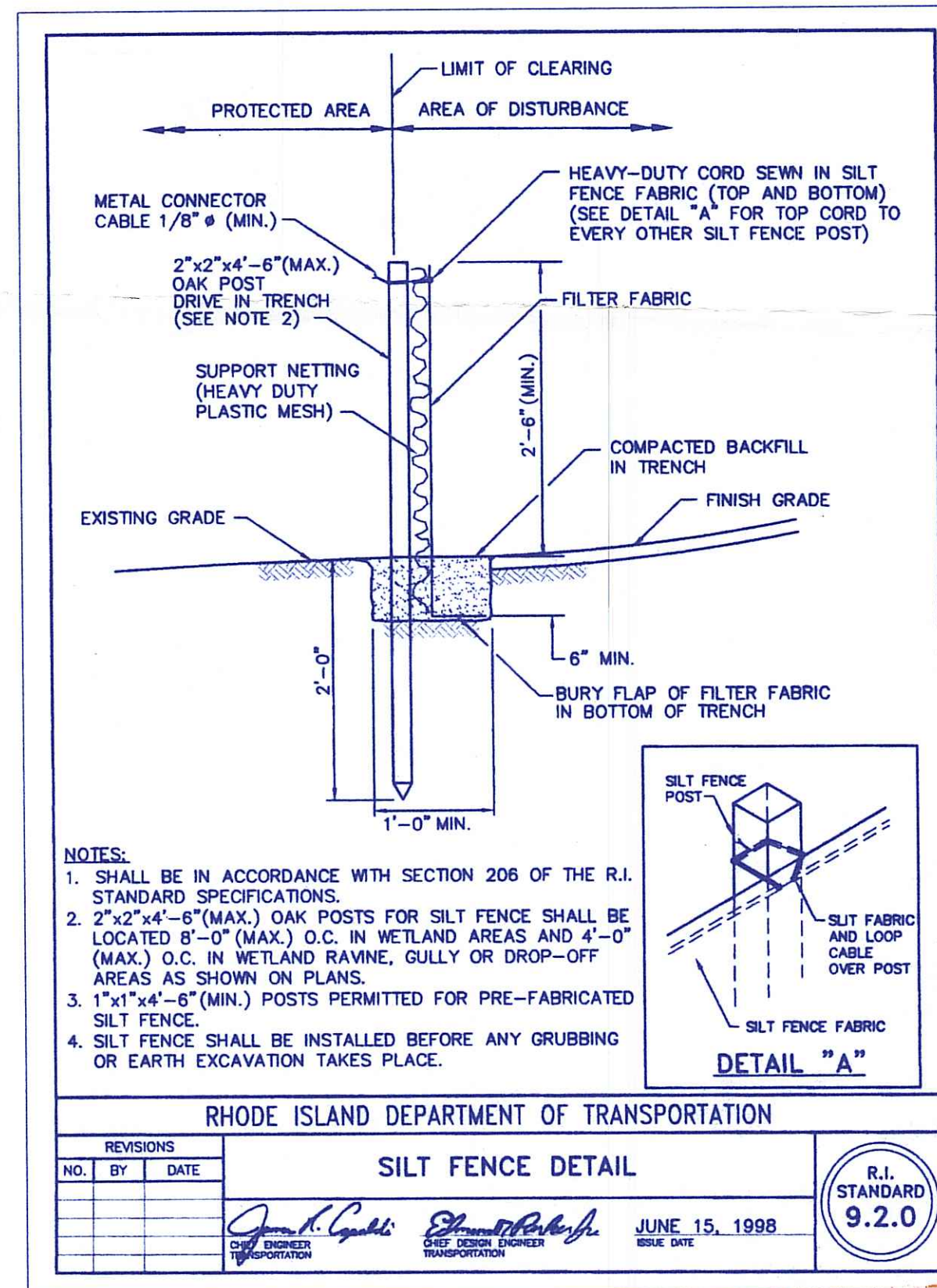
SPECIES	LBS/ACRE	LBS/1,000 SQ. FT.	SEEDING DATES
ANNUAL RYEGRASS	60	1.5	MARCH 1 - JUNE 15 & AUGUST 1 - OCTOBER 1
PERENNIAL RYEGRASS	60	1.5	MARCH 1 - JUNE 15 & AUGUST 1 - OCTOBER 1
SUDAN GRASS	40	1.0	MAY 15 - AUGUST 15
MILLET	40	1.0	MAY 15 - AUGUST 15
WINTER RYE	100	2.5	AUGUST 15 - OCTOBER 1
9. THE CONTRACTOR MUST REPAIR AND OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE.
10. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THRU OCTOBER 15TH.
11. ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS SECTION 202.
12. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
13. STOCKPILES OF TOPSOILS SHALL NOT BE LOCATED NEAR WATERWAYS OR WETLANDS THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED.
14. ON BOTH STEEP AND LONG SLOPES CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.
15. REFERENCE THE SEDIMENTATION CONTROL PROGRAM AND ORDER OF PROCEDURE FOR PROPER COORDINATION.
16. ANY DETENTION/RETENTION FACILITIES AND THE DRAINAGE SYSTEM SHALL RECEIVE ONE FINAL CLEANING PRIOR TO ACCEPTANCE OF THE OVERALL PROJECT BY THE OWNER. SEDIMENTS SHALL BE DISPOSED OF IN A PROPER MANNER.

SEDIMENTATION CONTROL PROGRAM

1. RIP-RAP SPLASH PADS SHALL BE INSTALLED AT THE OUTLETS FOR ALL CULVERTS DISCHARGING INTO A WATERWAY.
2. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE WETLANDS.
3. ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY ARE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SUITABLE SLOPE PROTECTION.
4. DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
5. CARE SHALL BE TAKEN SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING EITHER EXISTING OR PROPOSED DRAINAGE OR SEWER STRUCTURES.
6. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND AFTER PERIODS OF RAINFALL. SUCH DEVICES SHALL BE REPAIRED OR REPLACED AS NEEDED.
7. CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECT TO STORM WATER FLOW.
8. ADDITIONAL HAYBALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
9. ALL SEDIMENTS SHALL BE REMOVED FROM THE DETENTION BASINS OR STRUCTURES WHEN DIRECTED BY THE ENGINEER OR THE LOCAL CONSERVATION COMMISSION.
10. REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE R.I.D.E.M. AND THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, AS A GUIDE.
11. THE CONTACT PERSON IN RESPONSIBLE CHARGE IS RICK MAILLOUX, TEL. 401-789-1422

ORDER OF PROCEDURE

1. IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING OPERATION AND PRIOR TO ANY ROUGH GRADING, TEMPORARY HAYBALES OR SANDBAGS SHALL BE PLACED OUTSIDE THE LIMITS OF CONSTRUCTION AS PER THE PLANS (I.E. ALONG NEW ROADWAYS, STREAMBANKS, CRITICAL AREAS, ETC.)
2. ALL EROSION AND SEDIMENTATION STRUCTURES SHALL BE PERIODICALLY CLEANED AND MAINTAINED AS PER THE RESPECTIVE PROGRAMS DURING THE CONSTRUCTION.
3. IF WORK PROGRESS IS TO BE INTERRUPTED AT ANY TIME, REFERENCE EROSION AND SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROL.
4. TEMPORARY HAYBALES AND SANDBAGS ALONG AND AT THE END OF ROADWAYS MAY BE REMOVED AFTER FINAL SOIL STABILIZATION HAS BEEN ACHIEVED AND APPROVED.
5. HAYBALES LOCATED AT DRAINAGE OUTLETS MUST REMAIN UNTIL SUCH TIME THAT A DESIRABLE STAND OF GRASS OR GROUND COVER HAS BEEN ESTABLISHED AND THE PROJECT RECEIVES A FAVORABLE APPROVAL FOR FINAL ACCEPTANCE FROM THE ENGINEER.
6. ONLY THOSE AREAS SHOWN ON THE ATTACHED SITE PLAN, THE LIMITS OF WHICH ARE DESIGNATED BY THE EXTENT OF THE PROPOSED CONTOURS, ARE SUBJECT TO THE EROSION CONTROL MEASURES SPECIFIED ABOVE.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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Nancy L. Freeman

EROSION CONTROL SHEET
 A.P. 56-3 LOT 57
 PREPARED FOR
ORTHOPEDIC REALTY ASSOC. LLC
 SITUATED IN THE TOWN OF
SOUTH KINGSTOWN, RHODE ISLAND

NO.	REVISION	DATE

WILLIAM D. DOWDELL
 No. 4217
 REGISTERED PROFESSIONAL ENGINEER
 2724110

DOWDELL ENGINEERING, INC.
 CIVIL & ENVIRONMENTAL ENGINEERS
 SURVEYORS & LAND PLANNERS
 P.O. BOX 1684 • 3949 OLD POST ROAD
 CHARLESTOWN, RHODE ISLAND 02813
 (401) 364-1027

JOB NO. 2535	DRAWN BY: R.L.C.
DWG. NO. 2535-DET.	CHECKED: W.D.D.
SCALE: NONE	APPROVED: W.D.D.
	DATE: FEB. 24, 2010
SHEET: 2	

2 OF 2 SHEETS