

UNIVERSITY OF RHODE ISLAND

# PROPOSED VOLLEY-BALL COURTS

FLAGG ROAD NORTH KINGSTOWN, RI

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUL 23 2008 FILE # 08-0172  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

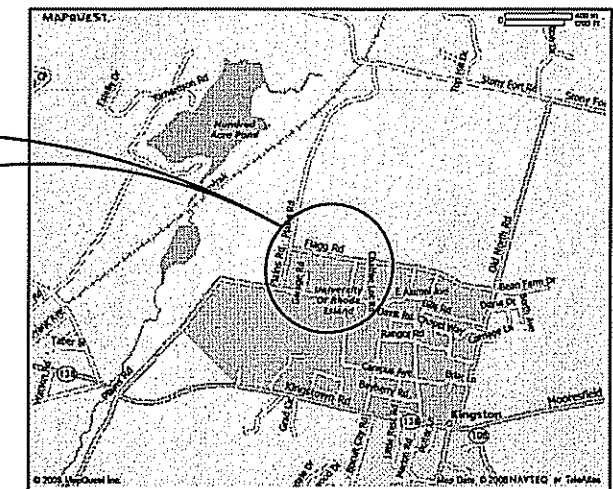
*Nancy L. Freeman*

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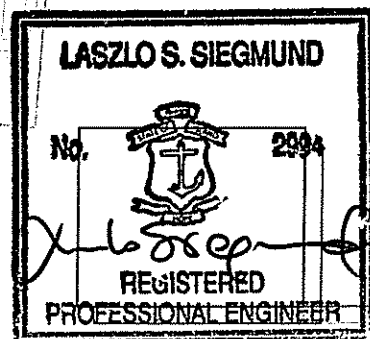
PREPARED FOR:  
Office of Capital Projects  
Sherman Building Plains Road  
Kingstown, RI 02881

PROJECT  
LOCATION



LOCATION MAP

JUN - 3 2008



ENGINEERS STAMP

PREPARED BY:



**SIEGMUND  
AND ASSOCIATES INC.**

CONSULTING ENGINEERS  
49 Pavilion Avenue  
Providence, Rhode Island 02905  
Phone 401 785.2600

JUNE, 2008

*Nancy L. Freeman*

**GENERAL NOTES**

- EMBANKMENT SLOPES AND ALL DISTURBED AREAS ARE TO RECEIVE 4" TOPSOIL AND SEED.
- FOR ALL EXCAVATION AND PLACEMENT OF FILL, THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE R.I. STANDARD SPECIFICATION SECTION 202.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE & UTILITIES, BOTH UNDERGROUND AND OVERHEAD, BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH "DIG SAFE PROGRAM LAW" ENACTED BY THE R.I. LEGISLATURE AND BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY CITY, STATE OR FEDERAL AGENCY THAT MAY BE APPLICABLE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- SPECIFICATIONS TO GOVERN THIS PROJECT ARE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION TO DATE. STANDARD DETAILS FOR THIS PROJECT ARE RHODE ISLAND STANDARD DETAILS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC.
- ALL REQUIRED AUTHORIZATION TO PERFORM WORK MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION, INCLUDING PERMISSION BY THE PROPERTY OWNERS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY CONSTRUCTION OPERATIONS INCLUDING ALL ACTIONS OR OMISSIONS OF ANY SUBCONTRACTORS, AGENTS OR EMPLOYEES. THE CONTRACTOR MUST ENSURE THAT THE CONDITIONS OF ALL PERMITS, SPECIFICATIONS AND FEDERAL, STATE AND LOCAL REGULATIONS ARE STRICTLY ENFORCED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL ASPECTS OF ON-SITE SAFETY INCLUDING ANY DAMAGE TO EXISTING STRUCTURES.
- OBSERVE ALL THE REQUIREMENTS OF THE TOWN AND DEM PERMIT.
- WORK SHOWN ON THE PLANS FOR WHICH THERE ARE NO PARTICULAR DETAILS OR SPECIFICATIONS DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE CONTRACT DOCUMENTS AND PLANS AND INSPECT THE SITE, AND THE BID PRICE SHALL INCLUDE ALL SERVICES AND MATERIALS NECESSARY TO COMPLETE THE PROJECT. ANY CHANGES TO THE PROJECT OR THE INSTALLATION OF AN ITEM FOR WHICH NO PARTICULAR DETAIL OR SPECIFICATION WAS PROVIDED MUST BE REVIEWED BY AND MUST BE ACCEPTABLE TO THE ENGINEER.
- THE CONTRACTOR SHALL INSTALL IN PLACE ALL HAY BALES AND SEDIMENT CONTROL DEVICES AS SHOWN ON PLANS PRIOR TO ANY CONSTRUCTION.
- THE CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN FIELD PRIOR TO ANY CONSTRUCTION ACTIVITIES AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY FOUND.
- BASE MAPPING AND UTILITIES TAKEN FROM PLAN TITLED "NEW STUDENT HOUSING, NORTH SIDE GRADING PLAN" PREPARED FOR THE UNIVERSITY OF RHODE ISLAND, PREPARED BY THE SLAM COLLABORATIVE, DATED JULY 29, 2005, SCALE: 1"=40', AND PLAN TITLED "AS-BUILT PLAN, URI NORTH SITE" PREPARED BY FLEET CONSTRUCTION, DATED DEC. 11, 2006, SCALE: 1"=40'.

**DRAINAGE AND UTILITY NOTES**

- LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE BORNE BY THE CONTRACTOR. NO EXCAVATION SHALL BE DONE UNTIL ALL INVOLVED COMPANIES ARE NOTIFIED.
- DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING PERIODS OF RAINFALL.

**EROSION CONTROL AND SOIL STABILIZATION PROGRAM**

- EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE WATER, WETLANDS, ROADWAY DRAINAGE SYSTEM AND ADJACENT PROPERTY.
- STAKED HAY BALES OR SILT FENCES SHALL BE INSTALLED WHERE SHOWN AND AS REQUIRED TO PREVENT SEDIMENTATION ONTO ADJACENT PROPERTIES.
- DENUDE SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
- ALL DISTURBED SLOPES, EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE.
- TEMPORARY TREATMENTS SHALL CONSIST OF 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 OWNER.
- HAY OR STRAW APPLICATIONS SHALL BE IN THE AMOUNT OF 3,000-4,000 LBS/ACRE.
- ALL HAY BALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED AND POTENTIAL SEDIMENTATION SOURCES ARE REMOVED.
- STOCKPILES SHALL HAVE NO SLOPE STEEPER THAN 2:1 AND SHALL BE SURROUNDED BY STAKED HAY BALES.
- STOCKPILES EXPOSED FOR EXCESSIVE PERIODS SHALL RECEIVE TEMPORARY TREATMENT CONSISTING OF HAY, STRAW OR FIBER MATTING.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MAINTENANCE AND SHALL INSPECT/REPLACE AS NEEDED.
- ADDITIONAL HAY BALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER, OWNER, CITY REPRESENTATIVES OR R.I.D.E.M.
- THE CONTRACTOR SHALL REFERENCE THE "R.I. EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, LATEST EDITION, AS A GUIDE.

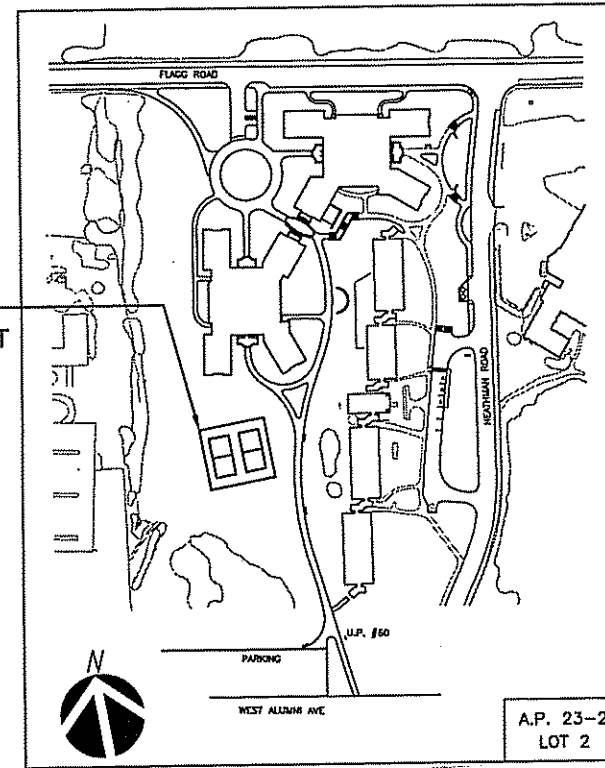
**TIMBER FRAMING NOTES**

- ALL HOLES FOR LAG SCREWS AND OR CARRIAGE BOLTS SHALL BE PRE-DRILLED PRIOR TO INSTALLATION
- ALL FRAMING MEMBERS AND DECKING TO BE 1500 PSI SOUTHERN YELLOW PINE. ALL FRAMING MEMBERS ARE TO BE ROUGH SAWN S2S CCA SOLUTION
- TREATED TO PROVIDE A MINIMUM RETENTION OF 0.6 PCF.
- ALL HARDWARE AND FASTENERS TO BE HOT-DIPPED GALVANIZED EXCEPT WHERE CAST IRON OR STAINLESS STEEL IS SPECIFIED. ALL BOLTS AND STRUCTURAL ELEMENTS MUST BE AVAILABLE FOR INSPECTION AT THE PROJECT SITE PRIOR TO COMPLETION OF THE STRUCTURE.
- USE GALVANIZED FENDER WASHERS UNDER ALL FLAT HEADS AND NUTS IN CONTACT WITH WOOD.
- ALL CUTS, HOLES, JOINTS, NOTCHES, AND ABRASIONS OF TREATED MATERIAL SHALL BE FIELD PROTECTED WITH THREE COATS OF #10 CUPRINAL OR EQUIVALENT.

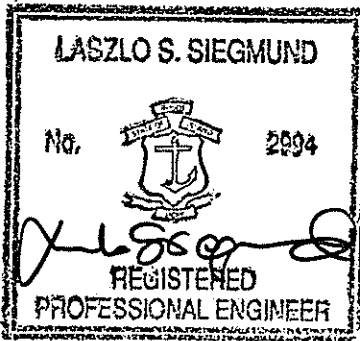
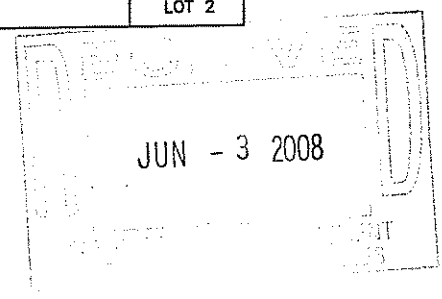
**LEGEND**

SYMBOL	DESCRIPTION
	EDGE OF TREES/WOODED AREA
	EXIST. UTILITIES
	EXIST. CONTOUR
	PROPOSED CONTOUR
	EXISTING TREE
	FENCE
	HAYBALES
	WETLAND FLAG
	50' PERIMETER WETLAND
	100' RIVERBANK WETLAND

PROPOSED VOLLEY BALL COURT LOCATION



KEY PLAN



PROJECT TITLE  
**UNIVERSITY OF RHODE ISLAND VOLLEYBALL COURTS**  
 NORTH KINGSTOWN RHODE ISLAND

**SIEGMUND AND ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 49 Pavilion Avenue  
 Providence, Rhode Island 02905  
 Phone 401 765.2600

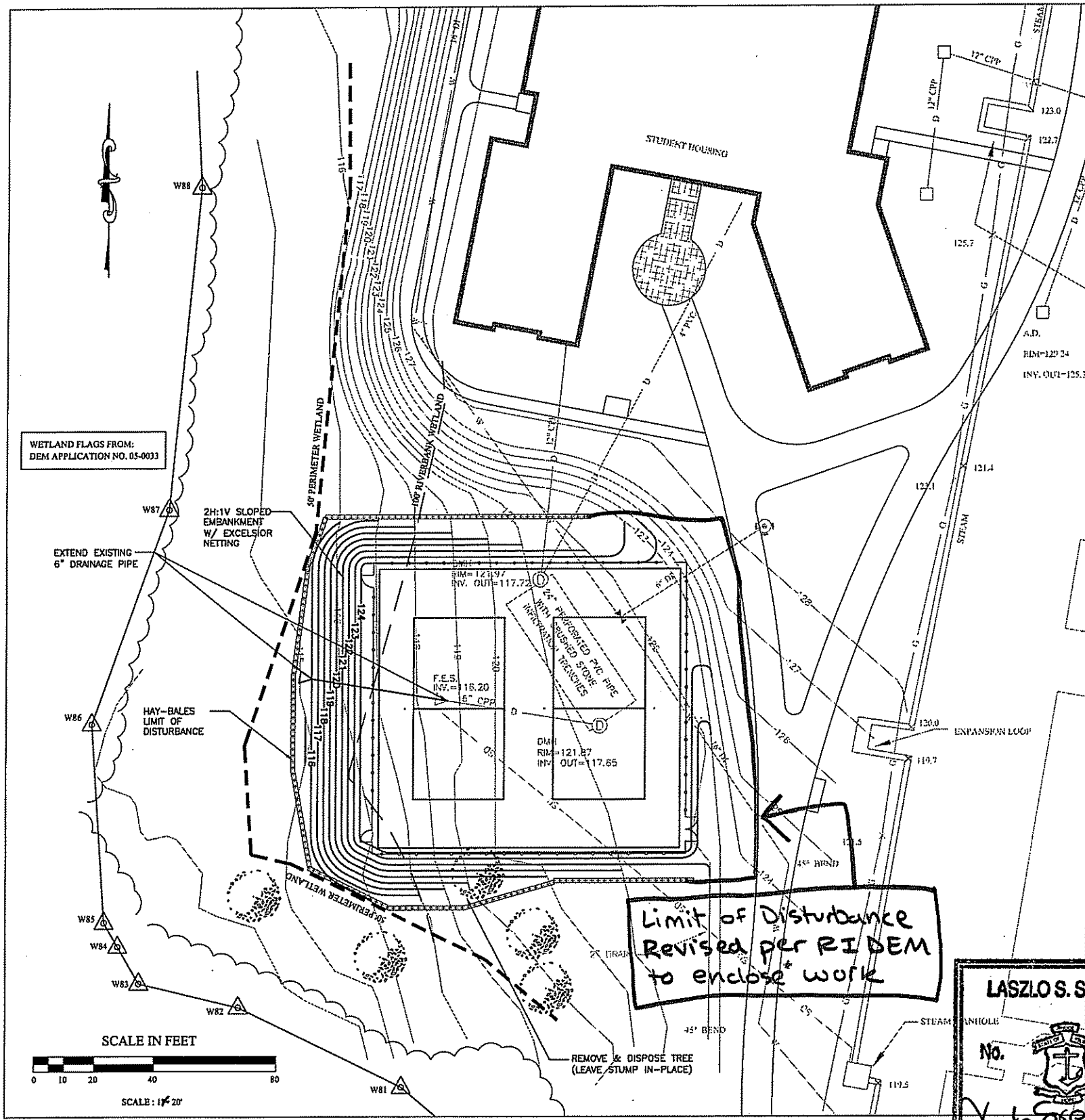
PREPARED FOR:  
**UNIVERSITY OF RHODE ISLAND OFFICE OF CAPITAL PROJECTS**  
 SHERMAN BUILDING PLAINS ROAD  
 KINGSTON, RI 02881

SHEET DESCRIPTION  
**NOTES**

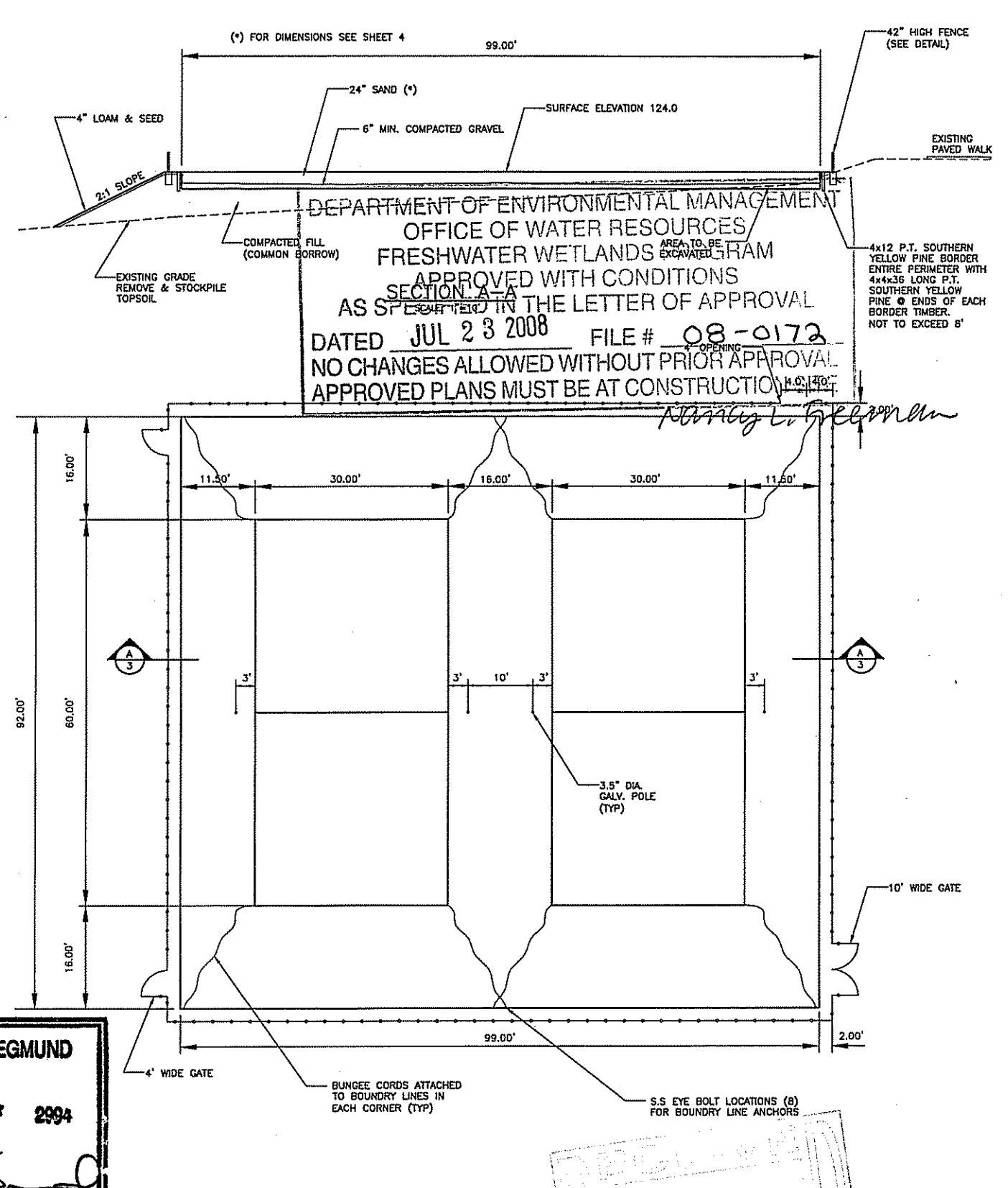
PROJECT NO. 950
DESIGNED BY L.S.
DRAWN BY BH
CHECKED BY LSS
DATE MAY 08
SCALE AS NOTED

NO.	DATE	BY
REVISIONS		

**2**  
 SHEET 2 OF 4



**SITE LAYOUT**  
SCALE: 1"=20'



**VOLLEYBALL COURT LAYOUT**  
SCALE: 1"=10'

**LASZLO S. SIEGMUND**  
No. 2994  
*Laszlo S. Siegmund*  
**REGISTERED PROFESSIONAL ENGINEER**

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PERMITS PROGRAM  
APPROVED WITH CONDITIONS  
SECTION A-A  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUL 23 2008 FILE # 08-0172  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION

*Mary L. Gorman*

**RECEIVED**  
JUN - 3 2008

NO.	DATE	BY

**UNIVERSITY OF RHODE ISLAND VOLLEYBALL COURTS**  
NORTH KINGSTOWN RHODE ISLAND

**SIEGMUND AND ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
49 Pavilion Avenue  
Providence, Rhode Island 02905  
Phone 401 785.2600

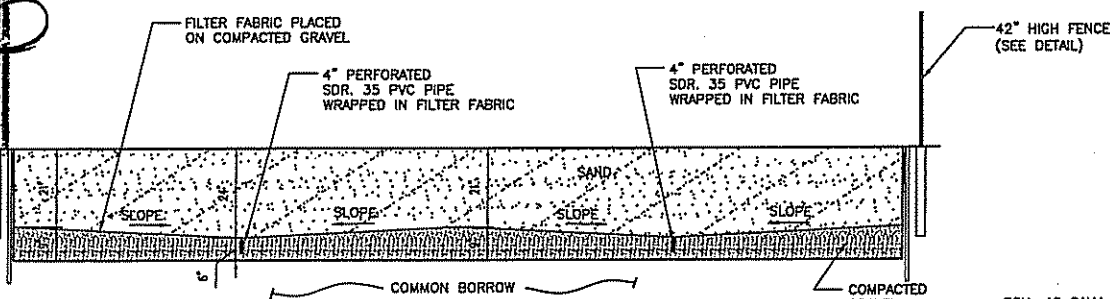
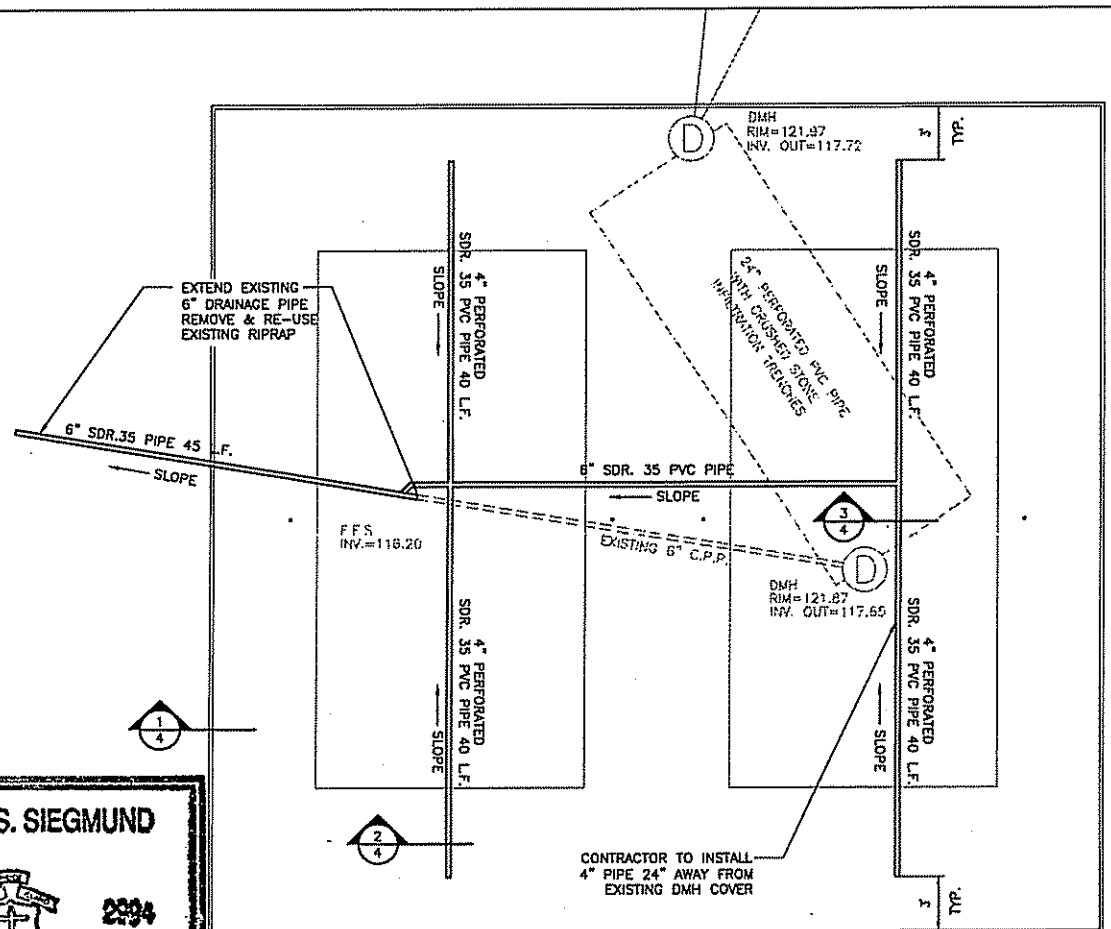
PREPARED FOR:  
**UNIVERSITY OF RHODE ISLAND OFFICE OF CAPITAL PROJECTS**  
SHERMAN BUILDING PLAINS ROAD  
KINGSTON, RI 02881

SHEET DESCRIPTION  
**SITE**

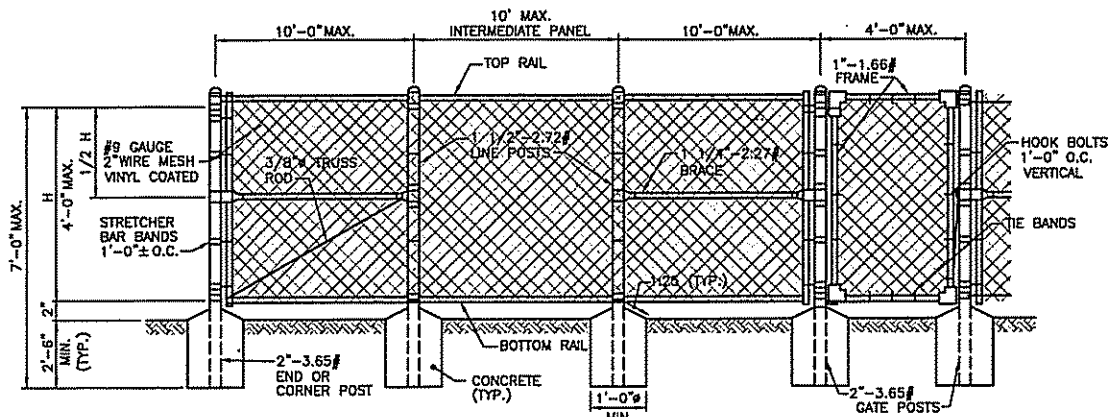
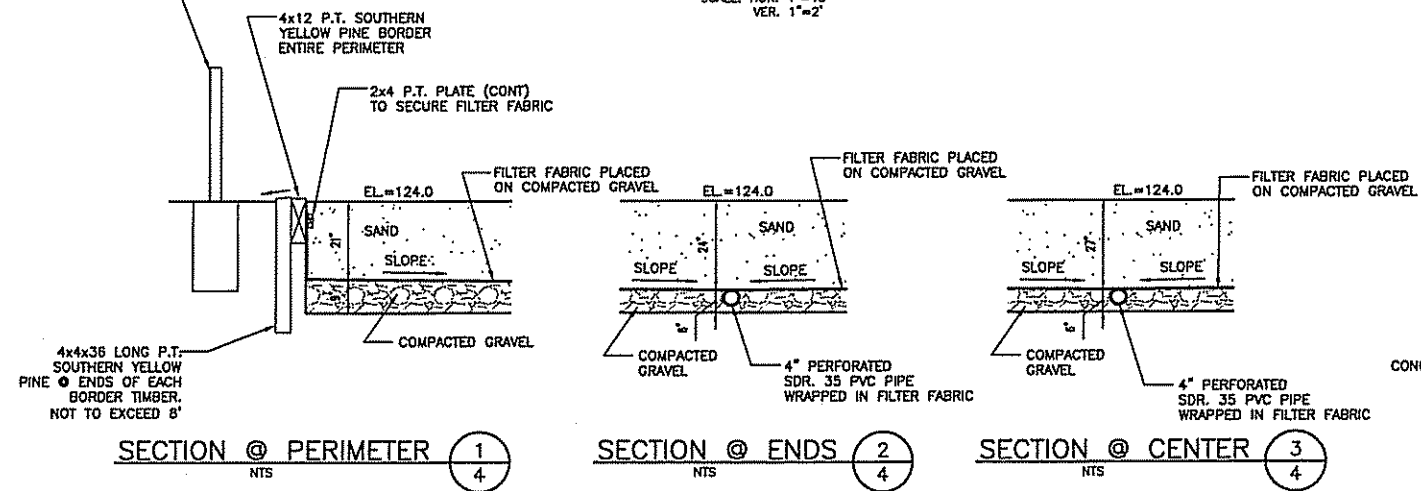
PROJECT NO. 990  
DESIGNED BY L.S.  
DRAWN BY RM  
CHECKED BY LSS  
DATE MAY 08  
SCALE AS NOTED

**3**  
SHEET 3 OF 4

**LASZLO S. SIEGMUND**  
 No.  2004  
 REGISTERED PROFESSIONAL ENGINEER

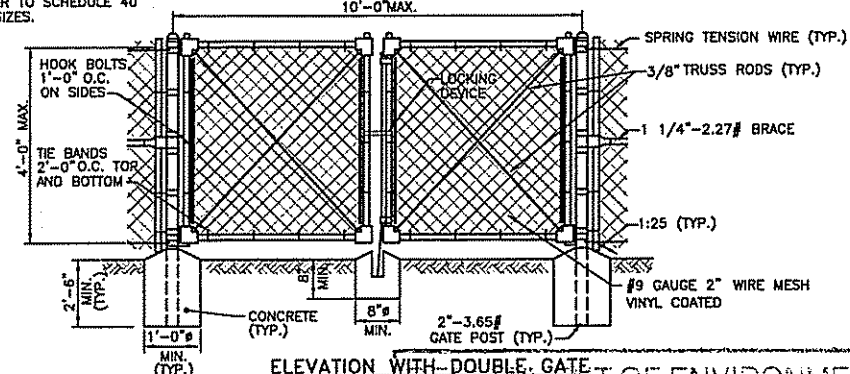


**VOLLEYBALL COURT DRAINAGE PLAN & SECTION**  
 SCALE: HOR. 1"=10'  
 VER. 1"=2'

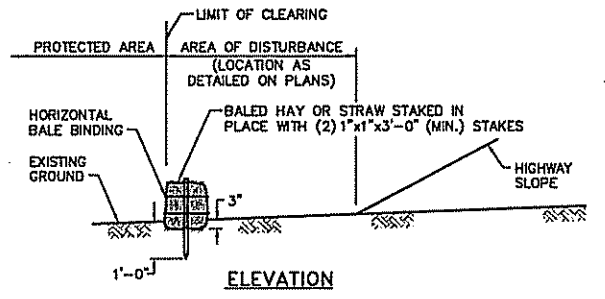


- NOTES:**  
 1. SHALL BE IN ACCORDANCE WITH SECTION 902 OF THE R.I. STANDARD SPECIFICATIONS.  
 2. INTERMEDIATE POSTS REQUIRED EVERY 200'-0".  
 3. ALL PIPES REFER TO SCHEDULE 40 NOMINAL PIPE SIZES.

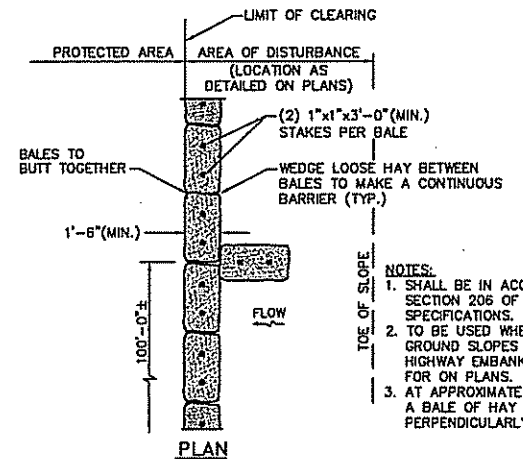
**ELEVATION WITH SINGLE GATE**



**ELEVATION WITH DOUBLE GATE**



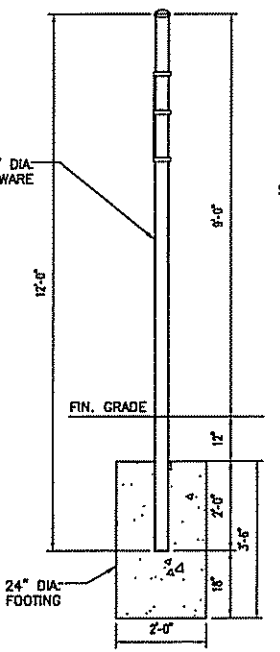
**ELEVATION**



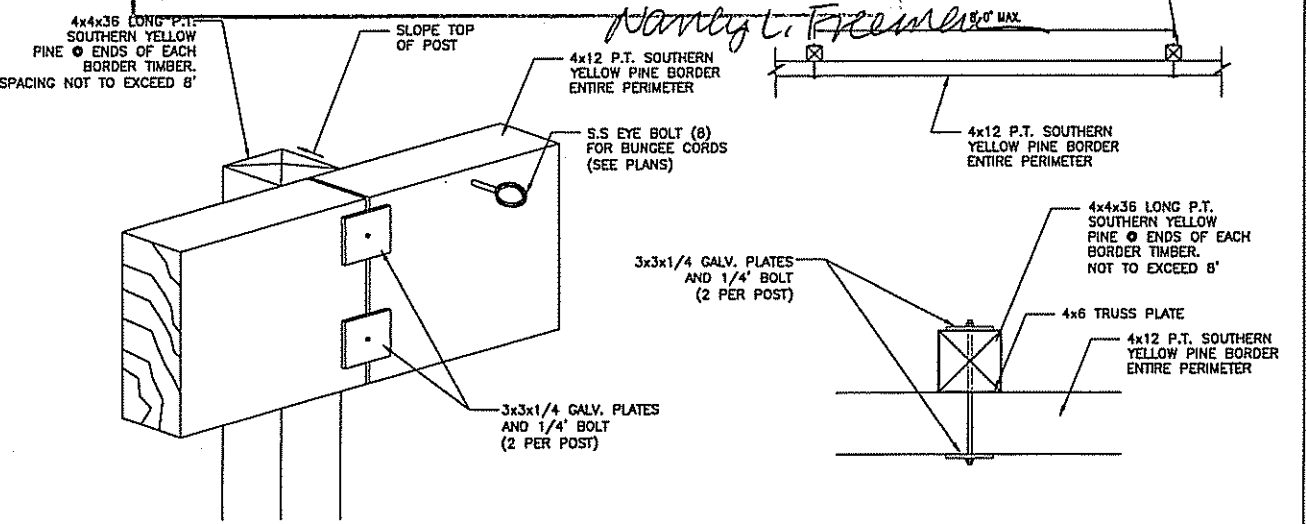
- NOTES:**  
 1. SHALL BE IN ACCORDANCE WITH SECTION 205 OF THE R.I. STANDARD SPECIFICATIONS.  
 2. TO BE USED WHERE THE EXISTING GROUND SLOPES AWAY FROM THE HIGHWAY ENBANKMENT AS CALLED FOR ON PLANS.  
 3. AT APPROXIMATE 100'-0" INTERVALS A BALE OF HAY IS TO BUTT PERPENDICULARLY.

**PLAN**

**FENCE DETAIL**  
 DEPARTMENT OF ENVIRONMENTAL & BALED HAY EROSION CHECK DETAIL  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
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**GALV. NET POST DETAIL**



**TIMBER BORDER & POST DETAILS**

NO.	DATE	BY
REVISIONS		

**UNIVERSITY OF RHODE ISLAND VOLLEYBALL COURTS**  
 NORTH KINGSTOWN RHODE ISLAND

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 49 Pavilion Avenue  
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 SHERMAN BUILDING PLAINS ROAD  
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SHEET DESCRIPTION  
**DETAILS**

PROJECT NO. 950  
 DESIGNED BY LS  
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 DATE MAY 08  
 SCALE AS NOTED