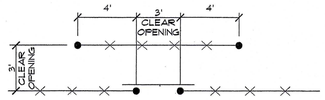
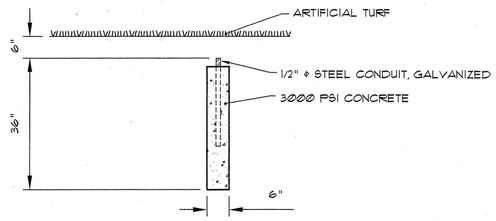
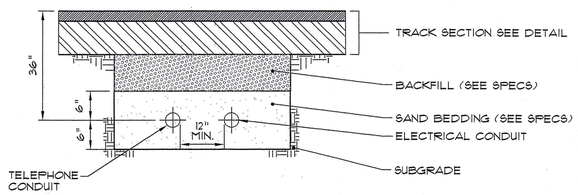


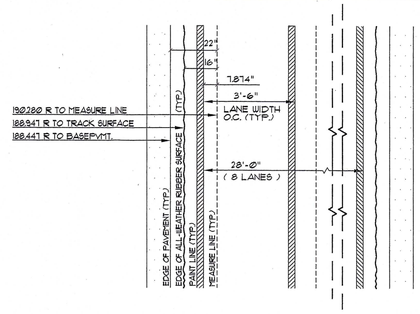
MAZE GATE DETAIL



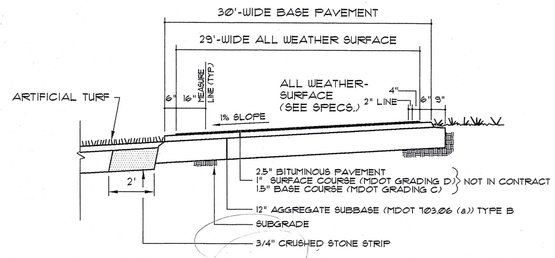
RADIUS POINT (6 REQ'D)



UTILITY CONDUIT TRENCH UNDER TRACK



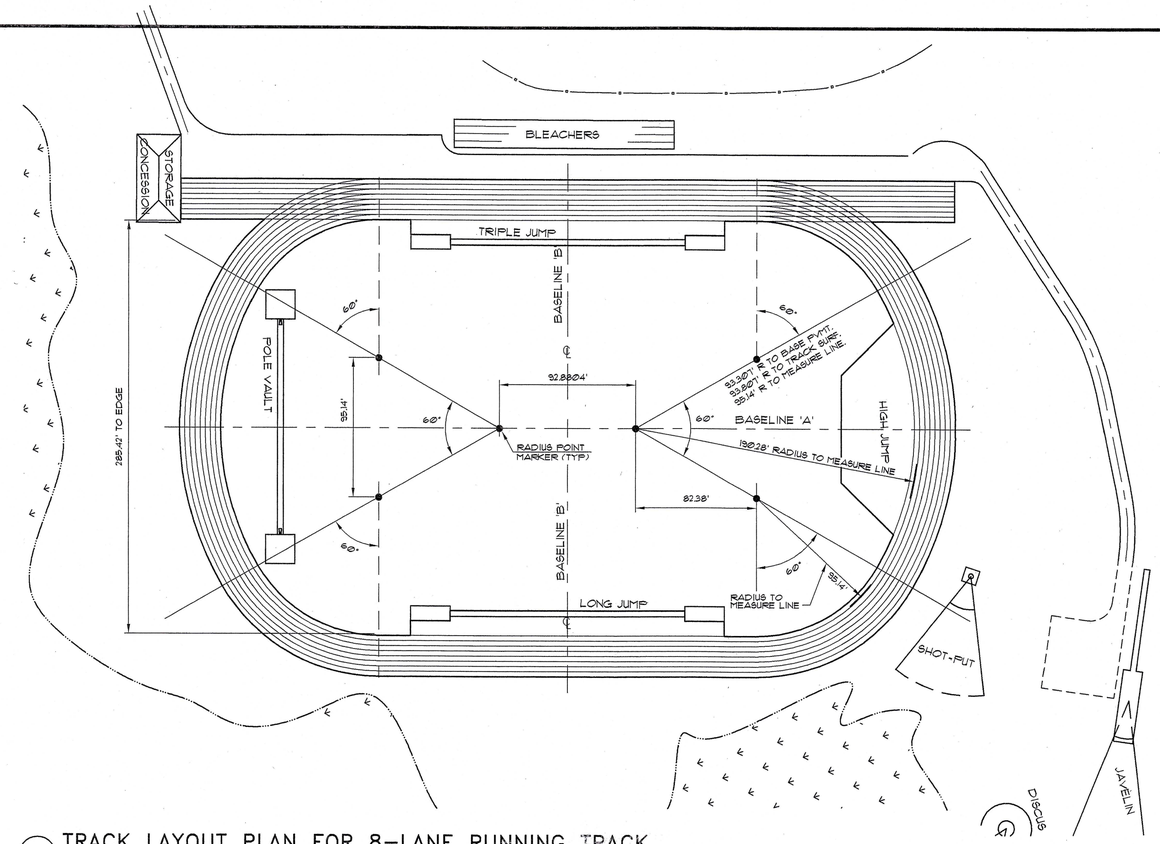
TRACK LANE LAYOUT DETAIL



TRACK SECTION

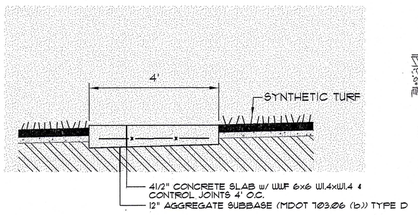
2 TRACK DETAILS

NOT TO SCALE

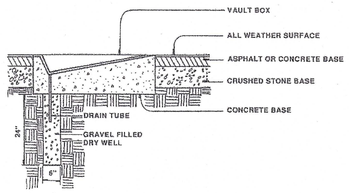


1 TRACK LAYOUT PLAN FOR 8-LANE RUNNING TRACK

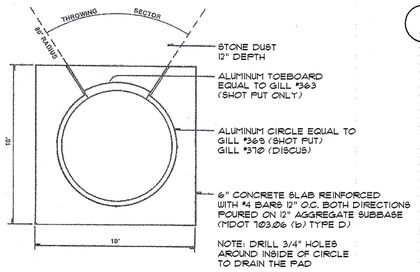
SCALE: 1" = 50'



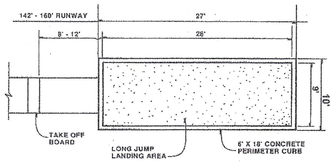
POLE VAULT RUNWAY SECTION



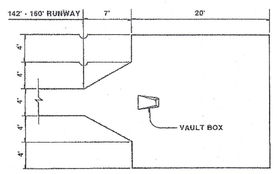
VAULT BOX SECTION



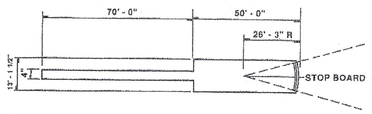
SHOT PUT/DISCUS PAD



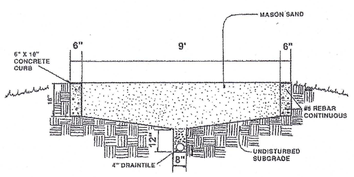
LONG JUMP / TRIPLE JUMP PIT PLAN



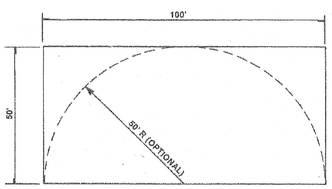
POLE VAULT LANDING AREA DETAIL



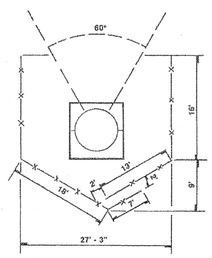
JAVELIN RUNWAY



LONG JUMP / TRIPLE JUMP PIT SECTION



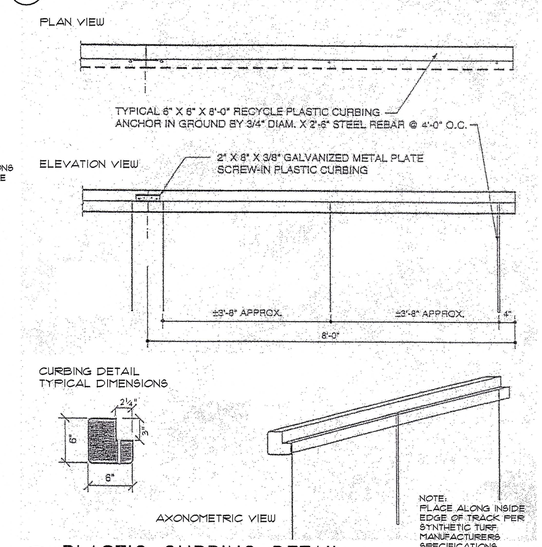
HIGH JUMP



DISCUS / HAMMER CAGE

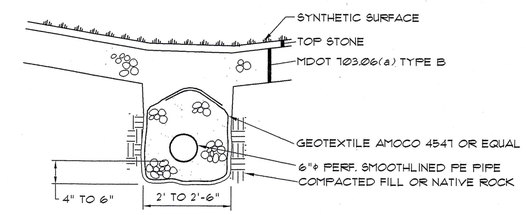
5 FIELD EVENT DETAILS

NOT TO SCALE



4 PLASTIC CURBING DETAIL

NOT TO SCALE



NOTES:
1. BED AND COVER DRAINPIPE WITH MDOT 703.06(a) TYPE B

3 SOCCER FIELD UNDERDRAIN DETAIL

NOT TO SCALE

REV.	DATE	DESCRIPTION
2	11/14/00	REV'D DETAIL 5
1	11/6/00	REV'D DETAIL 2

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

TRACK & FIELD PROJECT
YARMOUTH HIGH SCHOOL

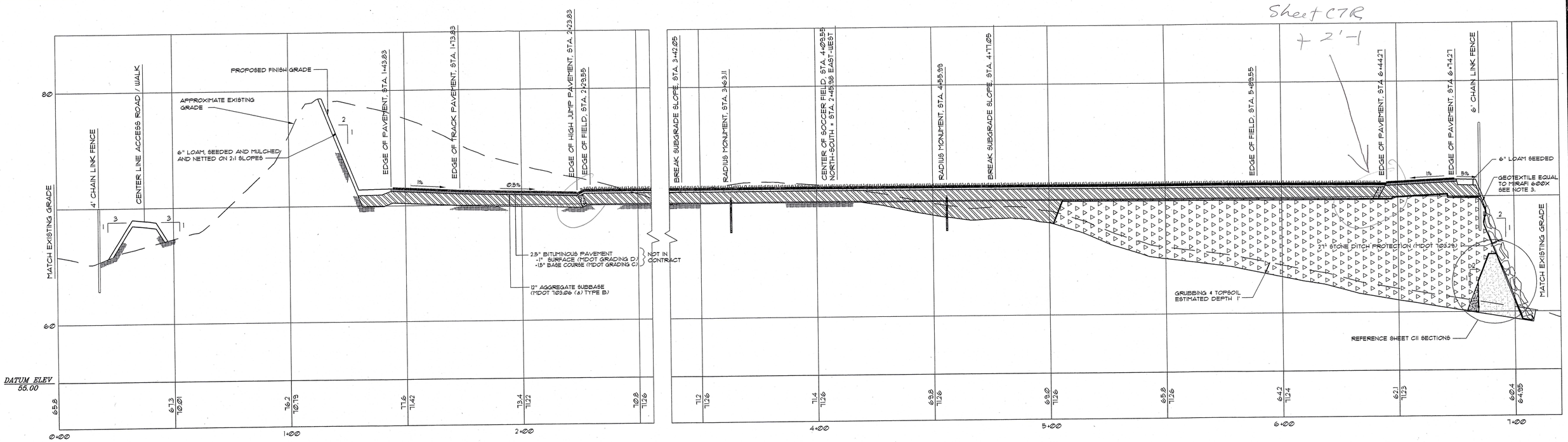
TRACK LAYOUT & DETAILS

STATE OF MAINE
STEPHEN E. STEARNS
NO. 4437
REGISTERED PROFESSIONAL ENGINEER
11-14-00

SCALE:	AS SHOWN	DRN BY:	BLD
DATE:	SEPT. 20, 2000	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

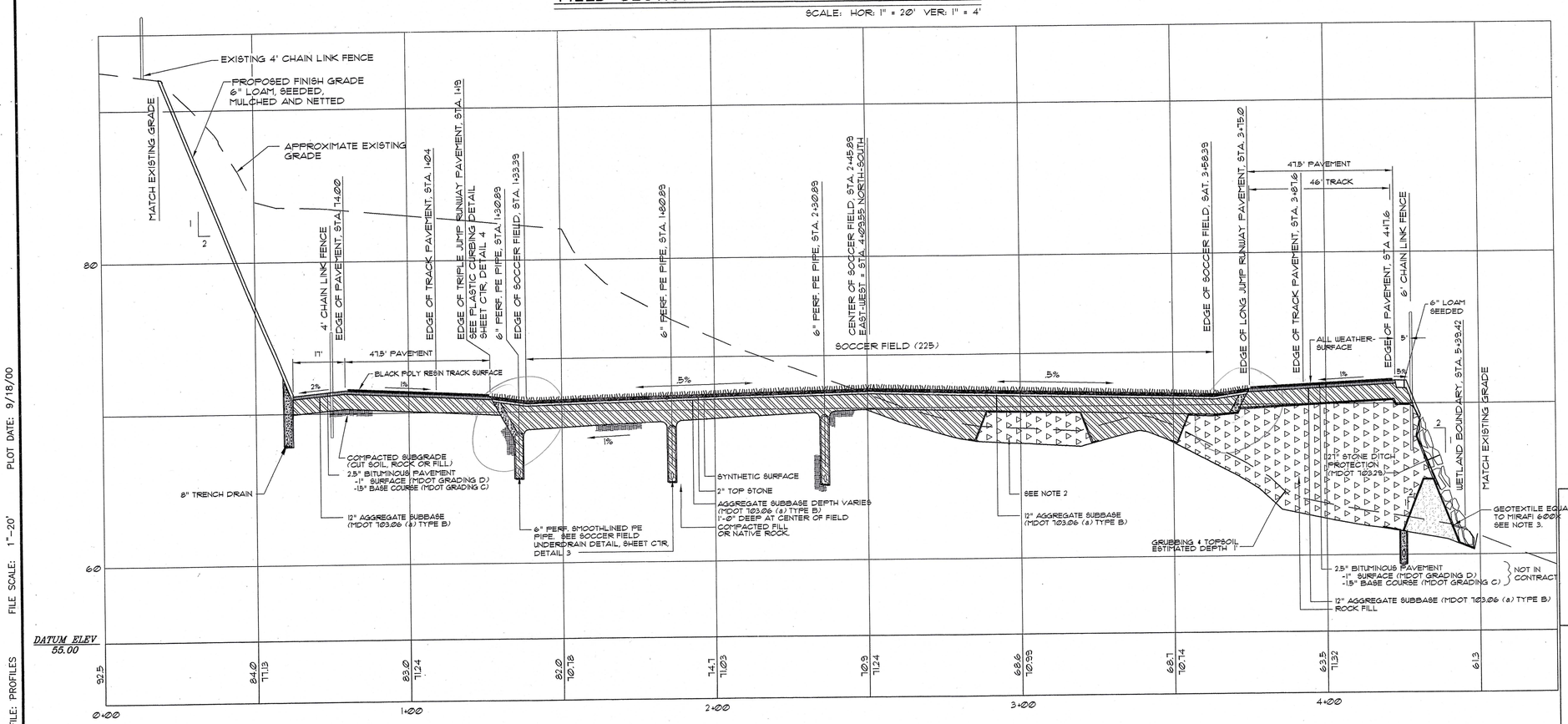
C7R

CAD FILE: DETAILS FILE SCALE: 1=10 PLOT DATE: 9/20/00



FIELD SECTION AT MID FIELD LOOKING EAST

SCALE: HOR: 1" = 20' VER: 1" = 4'



FIELD SECTION AT MID FIELD LOOKING NORTH

SCALE: HOR: 1" = 20' VER: 1" = 4'

NOTES:

1. DO NOT INSTALL CONDUIT BENEATH THE SOCCER FIELD.
2. IN AREAS WHERE FILL BELOW AGGREGATE SUBBASE LAYER IS LESS THAN 2 FEET, FILL WITH AGGREGATE SUBBASE (MDOT 703.06 (a) TYPE B).
3. BENEATH THE TRACK AND SYNTHETIC SURFACE, THE GEOTEXTILE FABRIC MAY BE REPLACED WITH A MINIMUM 12" CHOKE STONE LAYER. GRADATION OF THE CHOKE STONE IS TO BE DETERMINED BY THE GEOTECHNICAL ENGINEER IN THE FIELD. THE FABRIC MUST BE USED ON THE SLOPE FOR STABILIZATION.
4. ROCK FILL: SELECT BLASTED ROCK OR PROCESSED ANGULAR ROCK FROM ON SITE WITH STONE SIZE RANGING FROM 2" TO 15". MAXIMUM STONE SIZE SHALL BE 15" IN THE GREATEST DIMENSION. THE MAXIMUM DIMENSION OF SELECT PIECES OF ROCK SHALL BE LESS THAN THREE TIMES THEIR MINIMUM DIMENSION. THIN SLABS SHALL NOT BE PLACED IN THE ROCK FILL. ROCK FILL SHALL BE PLACED AND COMPACTED IN LAYERS AT LEAST 15 TIMES THE MAXIMUM STONE BUT NOT GREATER THAN 24".

EARTHWORK CONSTRUCTION SEQUENCE:

1. CLEAR, GRUB, AND STRIP THE AREA TO BE FILLED.
2. FILL TO NEAR THE BOTTOM OF PRELOAD LEVEL WITH COMPACTED, SELECT 15" MINUS ROCK FILL.
3. FILL TO TOP OF PRELOADS. (SEE GEOTECHNICAL REPORT IN PROJECT MANUAL FOR LOCATIONS AND LIMITS.
4. TAKE PRELOADS OFF AFTER SETTLEMENT OCCURS.
5. PLACE CHOKESTONE LAYER CONSISTING OF COMPACTED, SMALLER, SELECT BLASTED BEDROCK OR INSTALL GEOTEXTILE.
6. PLACE AND COMPACT AGGREGATE SUBBASE CONSISTING OF MDOT 703.06 (a) TYPE B MATERIAL.
7. PLACE AND COMPACT TOPPING STONE AND MAKE SURFACE READY TO INSTALL SYNTHETIC PLAY FIELD SURFACE.

REV.	DATE	DESCRIPTION
2	11/14/00	CHANGED SECTION LOOKING NORTH TO SHOW JUMP RUNWAYS
1	11/3/00	REV'D PER RUG 4A COMMENTS

STATE OF MAINE
STEPHEN E. STEARNS
NO. 4437
REGISTERED PROFESSIONAL ENGINEER
11-14-00

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

FIELD SECTIONS

SCALE:	AS NOTED	DRN BY:	BLD
DATE:	SEPT. 20, 2000	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C8F

CAD FILE: PROFILES FILE SCALE: 1"=20' PLOT DATE: 9/18/00

SEQUENCE OF CONSTRUCTION:

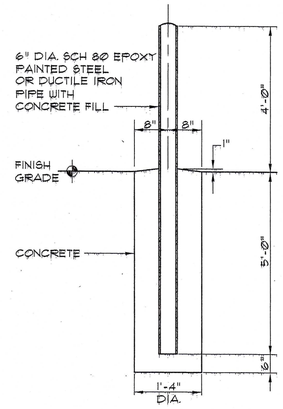
YARMOUTH HIGH SCHOOL ATHLETIC FIELDS

SEQUENCE OF CONSTRUCTION
(WINTER CONDITIONS SEPTEMBER 15 - APRIL 15)

THIS SEQUENCE OF CONSTRUCTION IS A GENERAL GUIDE TO THE CONTRACTOR. WEATHER CONDITIONS AND CONSTRUCTION PRACTICES MAY DICTATE VARIATIONS IN THE ORDER OF MAJOR TASKS.

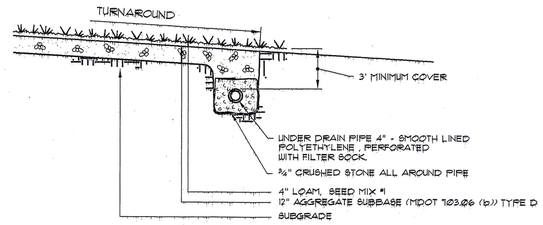
ESTIMATED TIMEFRAME ASSUMING A DECEMBER 18 START DATE.

START DATE	TASK
DECEMBER 18-22, 2000	1. FLAG CLEARING LIMITS. IDENTIFY SECTIONS OF CLEARING LIMITS THAT FALL WITHIN 25 FEET OF WETLANDS, CROSS DRAINAGE WAYS AND RUN ALONG THE BUFFERS ASSOCIATED WITH LEVEL SPREADERS IN A FASHION THAT DIFFERENTIATES THEM FROM CLEARING LIMITS IN UPLAND AREAS.
DECEMBER 26, 2000 TO JANUARY 13, 2001	2. CLEAR THE SITE REMOVING TREES AND BRUSH.
JANUARY 8-20, 2001	3. REMOVE STUMPS AND ROOTS AND GRIND AND PROCESS THEM INTO WOOD WASTE COMPOST/EROSION CONTROL MIX FOR USE ON SITE TO CONSTRUCT A PERIMETER WOOD WASTE COMPOST/ BARK FILTER BERM AND COVER STOCKPILES OF LOOSE SOIL. COORDINATE THIS EFFORT WITH CONSTRUCTION OF THE PERIMETER BERM. THE BERM MAY BE CONSTRUCTED AS WORK PROGRESSES PROVIDED BERM CONSTRUCTION PRECEDES STUMPING AND GRUBBING OPERATIONS. CLOSELY MONITOR WEATHER PREDICTIONS WITH THE NATIONAL WEATHER SERVICE SO THAT THE SITE CAN BE SECURED PRIOR TO ANY PRECIPITATION EVENT. PRIOR TO ANY PRECIPITATION EVENT THE WOOD WASTE COMPOST/EROSION CONTROL MIX BERM SHALL BE EXTENSIVE ENOUGH TO INTERCEPT ALL RUNOFF FROM AREAS STUMPED AND GRUBBED.
CONTINUOUS THROUGH PROJECT	4. REPAIR ANY DAMAGE TO EROSION CONTROL MEASURES IMMEDIATELY UPON DISCOVERY OF THE DAMAGE. INSPECT EROSION CONTROL MEASURES IMMEDIATELY AFTER RAINFALL EVENTS AND ON DAYS WHEN THERE IS SIGNIFICANT SNOW MELT. PAY PARTICULAR ATTENTION TO THOSE AREAS DIFFERENTIATED UNDER TASK 1. REINFORCE SECTIONS OF WOOD WASTE COMPOST/EROSION CONTROL MIX BERMS THAT WASHOUT OR ARE IN AREAS OF CONCENTRATED FLOW WITH SILT FENCE.
DECEMBER 26, 2000 TO JANUARY 8, 2001	5. CONSTRUCT TEMPORARY ACCESS ROAD(S), STABILIZED CONSTRUCTION ENTRANCE(S) AND STAGING AREA(S).
AS REQUIRED THROUGHOUT PROJECT	6. PRIOR TO ANY PRECIPITATION EVENT ALL EXPOSED LOOSE SOIL SHALL BE COVERED WITH 6 TO 12 INCHES OF WOOD WASTE COMPOST/EROSION CONTROL MIX DEPENDING ON GROUND SLOPE. SEE NOTES ON DRAWING C11.
JANUARY 8-22, 2001	7. UPON COMPLETION OF THE PERIMETER EROSION CONTROL BERM, STRIP AND STOCKPILE TOPSOIL IN THE DESIGNATED AREA. COVER THE TOPSOIL WITH EROSION CONTROL MIX AS SPECIFIED IN ITEM 6, AND CONSTRUCT AN EROSION CONTROL MIX BERM AROUND THE "DOWNHILL" SIDES OF STOCKPILES.
JANUARY 22 TO FEBRUARY 3, 2001	8. CONSTRUCT THE BURIED DETENTION POND BERM AS SPECIFIED ON DRAWING C11. COVER THE BERM WITH GEOTEXTILE, ROCK FILL AND STONE SLOPE PROTECTION AS SOON AS POSSIBLE AFTER CONSTRUCTION OR AS CONSTRUCTION PROGRESSES. PRIOR TO ANY PRECIPITATION EVENT MULCH AND NET SECTIONS OF THE BERM NOT YET COVERED OR COVER WITH EROSION CONTROL MIX AS SPECIFIED IN ITEM 6. REMOVE TEMPORARY COVER WHEN WORK ON THE BERM RESUMES.
JANUARY 15 TO FEBRUARY 3, 2001	9. STOCKPILE SOIL OTHER THAN TOPSOIL THAT IS NOT USED TO CONSTRUCT THE DETENTION POND BERM IN THE AREA DESIGNATED FOR TOPSOIL. SECURE THE STOCKPILE AGAINST EROSION IN A MANNER SIMILAR TO THE LOAM STOCKPILE.
JANUARY 22 TO MARCH 11, 2001	10. DRILL AND BLAST ROCK FOR FIELD CONSTRUCTION, UNDERGROUND UTILITIES AND STRUCTURES.
JANUARY 29 TO MARCH 31, 2001	11. SEPARATE, PLACE, PROCESS AND STOCKPILE BLASTED ROCK AS ROCK FILL, STONE SLOPE PROTECTION, CHOKE STONE, AGGREGATE SUBBASE, RIPRAP AND TOP STONE. STOCKPILES OF AGGREGATES PRODUCED FROM BLASTED ROCK (EXCEPT FOR STONE DUST) DO NOT REQUIRE PROTECTION AGAINST WINTER CONDITIONS.
JANUARY 29 TO MARCH 31, 2001	12. CONSTRUCT LEVEL SPREADERS, ROCK FILL, STONE SLOPES, DETENTION POND, ACCESS ROAD AND PARKING LOT. INSTALL UNDERDRAIN, DRAINAGE STRUCTURES, LIGHT POLE BASES, SEPTIC TANK AND UNDERGROUND POWER AND WATER.
MARCH 11-31, 2001	13. PLACE GEOTEXTILE OR CHOKE STONE LAYER.
MARCH 11-31, 2001	14. CONSTRUCT CONCESSION/STORAGE BUILDING FOUNDATION.
APRIL 2-14, 2001	15. PLACE AGGREGATE SUBBASE FOR THE ARTIFICIAL TURF SOCCER FIELD, TRACK, AND ACCESS ROAD.
APRIL 15, 2001	END WINTER CONSTRUCTION
APRIL 16-21, 2001	16. PLACE TOP STONE FOR THE ARTIFICIAL TURF FIELD, AND AGGREGATE BASE FOR THE TRACK AND ACCESS ROAD.
APRIL 16-21, 2001	17. INSTALL CHAIN LINK FENCES AND GATES ALONG THE WEST SIDE OF THE TRACK.
APRIL 23-28, 2001	18. PLACE BINDER COURSE OF PAVEMENT FOR ACCESS ROAD.
APRIL 16-28, 2001	19. GRADE JAVELIN, DISCUS AND PRACTICE AREA SPREADING EXCESS SOIL STRIPPED FROM THE TRACK AND SOCCER FIELD AREA.
APRIL 30 TO MAY 9, 2001	20. CONSTRUCT LONG AND TRIPLE JUMP AND POLE VAULT PITS AND THE POLE VAULT RUNWAY. ERECT STADIUM LIGHTS.
MAY 7-12, 2001	21. PLACE BINDER AND SURFACE COURSE OF PAVEMENT ON TRACK, HIGH, LONG AND TRIPLE JUMP RUNWAYS.
APRIL 30 TO JUNE 30, 2001	22. CONSTRUCT DISCUS AND SHOT PUT CIRCLES.
MAY 14-19, 2001	23. PLACE LOAM, FERTILIZE, SEED AND MULCH ALL DISTURBED AREAS NOT PAVED, OR SPECIFIED TO REMAIN STONE OR RIPRAP.
MAY 14 TO JUNE 30, 2001	24. MAINTAIN LOAMED, SEEDED AND MULCHED AREAS UNTIL A HEALTHY GROWTH OF GRASS IS ESTABLISHED.
MAY 7-19, 2001	25. CONSTRUCT ARTIFICIAL TURF FIELD.
MAY 21-26, 2001	26. PLACE SURFACE COURSE OF PAVEMENT ON ACCESS ROAD.
JUNE 4-9, 2001	27. PLACE AND FINISH SURFACE ON TRACK AND FIELD EVENTS.
MAY 21 TO JUNE 3, 2001	28. CLEAN DETENTION POND AND STORM DRAIN SYSTEM.
MAY 21 TO JUNE 3, 2001	29. INSTALL REMAINDER OF CHAIN LINK FENCE AND GATES.
WHEN GRASS IS ESTABLISHED & BEFORE SEPTEMBER 1, 2001	30. REMOVE TEMPORARY EROSION CONTROL MEASURES AND SPREAD EROSION CONTROL MIX BERM ONTO UPLAND SLOPES.



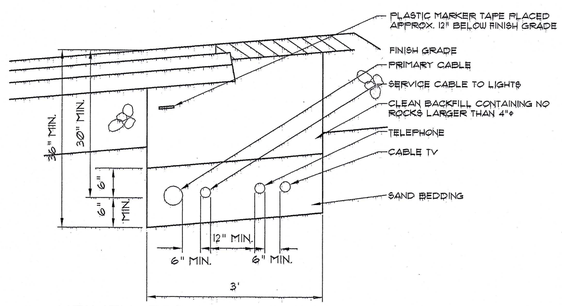
3 STEEL BOLLARD DETAIL

NOT TO SCALE



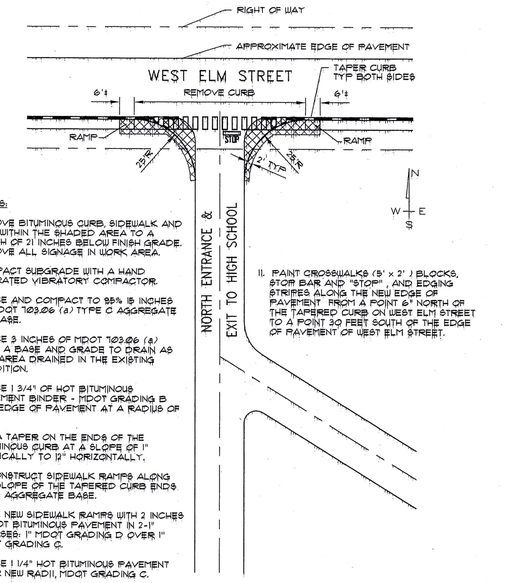
4 TURN AROUND SECTION

NOT TO SCALE



5 UTILITY TRENCH UNDER ACCESS ROAD

NOT TO SCALE



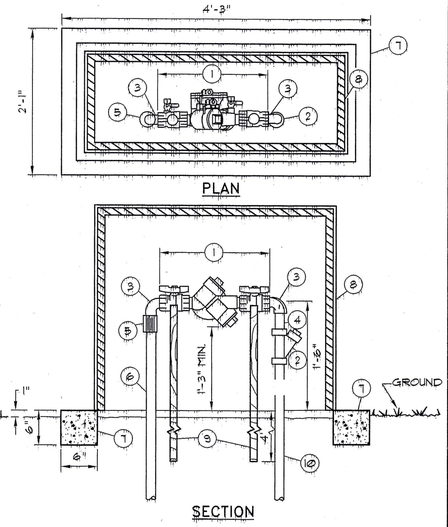
NOTES:

1. REMOVE BITUMINOUS CURB, SIDEWALK AND SOIL WITHIN THE SHADED AREA TO A DEPTH OF 21 INCHES BELOW FINISH GRADE. REMOVE ALL SIGNAGE IN WORK AREA.
2. COMPACT SUBGRADE WITH A HAND OPERATED VIBRATORY COMPACTOR.
3. PLACE AND COMPACT TO 95% IS INCHES OF MDOT 703.06 (a) TYPE C AGGREGATE SUBBASE.
4. PLACE 3 INCHES OF MDOT 703.06 (a) TYPE A BASE AND GRADE TO DRAIN AS THIS AREA DRAINED IN THE EXISTING CONDITION.
5. PLACE 1 3/4" OF HOT BITUMINOUS PAVEMENT BINDER - MDOT GRADING B WITH EDGE OF PAVEMENT AT A RADIUS OF 25'.
6. CUT A TAPER ON THE ENDS OF THE BITUMINOUS CURB AT A SLOPE OF 1" VERTICALLY TO 12" HORIZONTALLY.
7. RECONSTRUCT SIDEWALK RAMPS ALONG THE SLOPE OF THE TAPERED CURB ENDS USING AGGREGATE BASE.
8. PAVE NEW SIDEWALK RAMPS WITH 2 INCHES OF HOT BITUMINOUS PAVEMENT IN 2-1" COURSES: 1" MDOT GRADING D OVER 1" MDOT GRADING C.
9. PLACE 1 1/4" HOT BITUMINOUS PAVEMENT OVER NEW RADII, MDOT GRADING C.
10. REERECT ALL SIGNAGE REMOVED TO COMPLETE WORK.
11. PAINT CROSSWALKS (5' x 2') BLOCKS, STOP BAR AND "STOP" AND EDGING STRIPES ALONG THE NEW EDGE OF PAVEMENT FROM A POINT 6" NORTH OF THE TAPERED CURB ON WEST ELM STREET TO A POINT 30 FEET SOUTH OF THE EDGE OF PAVEMENT OF WEST ELM STREET.

1 NORTH ENTRANCE RADII IMPROVEMENTS DETAIL

SCALE: 1"=30'

1. FEBCO MODEL 825Y REDUCED PRESSURE BACK FLOW PREVENTER.
2. CMB INDUSTRIES MODEL 3131 BRONZE "Y" STRAINER WITH CAP PLUG.
3. BRONZE ELBOW
4. 3" LONG BRONZE NIPPLE
5. BRONZE COUPLING OR UNION
6. WATER SUPPLY 2"
7. CONCRETE ENCLOSURE SUPPORT: 3000 PSI WITH 1 #4 REBAR.
8. ENCLOSURE: NORTHEASTERN FLORIDA ENTERPRISES INC. MODEL 2 INSULATED, HEATED HOT BOX. PROVIDE 120V 15A, GROUND FAULT PROTECTED CIRCUIT TO BOX.
9. 2"x6" PT WOOD POSTS NOTCHED TO SUPPORT BACKFLOW PREVENTER AND STRAINER ASSEMBLY. SECURE ASSEMBLY TO POSTS WITH GALVANIZED STEEL STRAP AND GALVANIZED WOOD SCREWS.
10. 2" IRRIGATION LINE TO BASEBALL FIELD



NOTES:

1. TEE OFF THE 2" WATER SERVICE LINE TO THE BASEBALL FIELD UPSTREAM OF THE BACKFLOW PREVENTER FOR NEW SERVICE TOT THE CONCESSION/STORAGE BUILDING. INSTALL A CURB STOP ON THE NEW WATER SERVICE WITHIN 6 FT. OF THE TEE AND VALVE BOX.

2 BACKFLOW PREVENTER AND ENCLOSURE

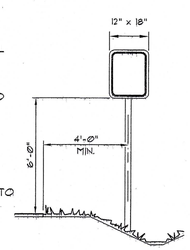
NOT TO SCALE

A B C*

NOTES:

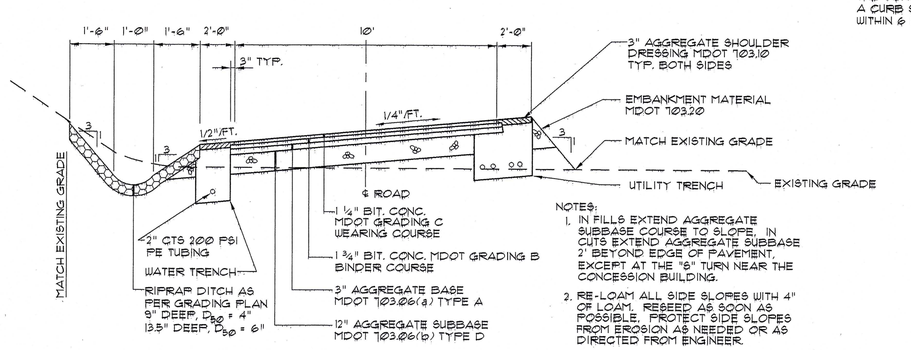
1. SIGNS SHALL BE FABRICATED & INSTALLED IN ACCORDANCE WITH MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, HIGHWAYS AND BRIDGES REVISION OF APRIL 1995, SECTION 645.
2. ALL PERMANENT SIGNS ON THIS PROJECT ARE CLASSIFIED UNDER SECTION 645.03(b) TYPE I REGULATORY WARNING AND ROUTE MARKER ASSEMBLY SIGNS.
3. SIGN MATERIAL SHALL BE AS SPECIFIED IN SECTION 719 OF THE MDOT STANDARD SPECIFICATIONS.
4. POSTS MAY BE WOOD OR METAL.

* SIGN C TO BE PLACED ON MOVABLE SIGN POST EQUIVALENT TO SETON STYLE NO. 36305



7 ROAD SIGN LEGEND

NOT TO SCALE



NOTES:

1. IN FILLS EXTEND AGGREGATE SUBBASE COURSE TO SLOPE. IN CUTS EXTEND AGGREGATE SUBBASE 2' BEYOND EDGE OF PAVEMENT, EXCEPT AT THE "S" TURN NEAR THE CONCESSION BUILDING.
2. RE-LOAM ALL SIDE SLOPES WITH 4" OF LOAM. RESEED AS SOON AS POSSIBLE. PROTECT SIDE SLOPES FROM EROSION AS NEEDED OR AS DIRECTED FROM ENGINEER.
3. CROSS SLOPE NOT TO EXCEED 1/4" PER FOOT.

6 TYPICAL ACCESS ROAD SECTION

NOT TO SCALE

REV.	DATE	DESCRIPTION

STATE OF MAINE
STEPHEN E. STEARNS
NO. 4437
REGISTERED PROFESSIONAL ENGINEER
12-6-00

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

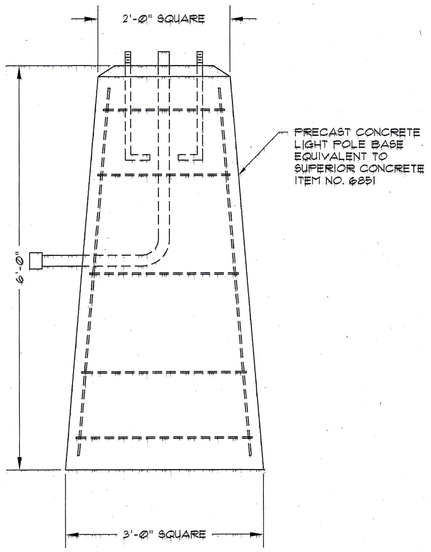
YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

DETAILS

SCALE:	AS SHOWN	DRN BY:	JLL3
DATE:	DECEMBER 6, 2000	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C9R

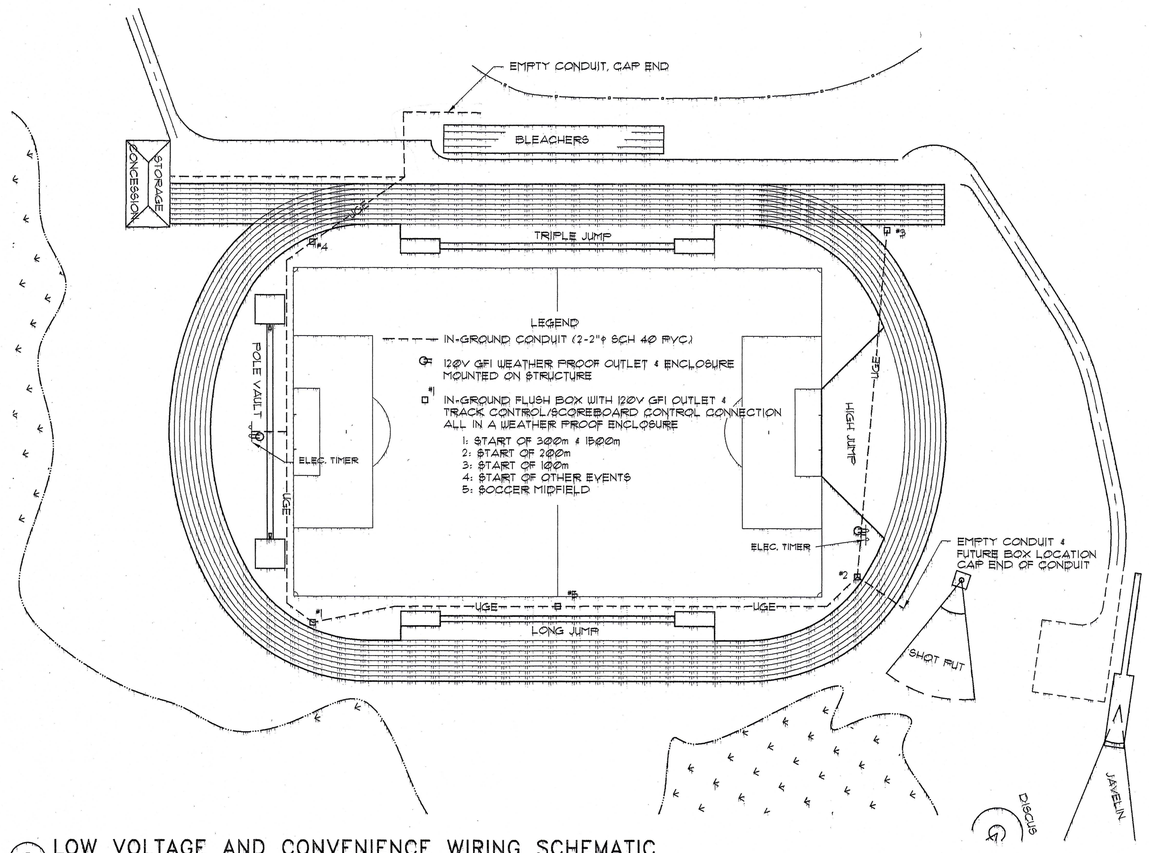
CAD FILE: DETAILS FILE SCALE: 1"=10' PLOT DATE: 12/6/00



NOTES:
1. CONCRETE: 4,000 P.S.I. AFTER 28 DAYS, AIR 6% ± 1%.
2. REINFORCING: 4 - #4'S, 1 @ EACH CORNER, #3 TIES @ 12" VERTICALLY.
3. 1" CHAMFER @ TOP EDGE.
4. CONDUIT & ANCHOR BOLTS PLACED AS REQUIRED: PROVIDED BY ELECTRICAL CONTRACTOR.

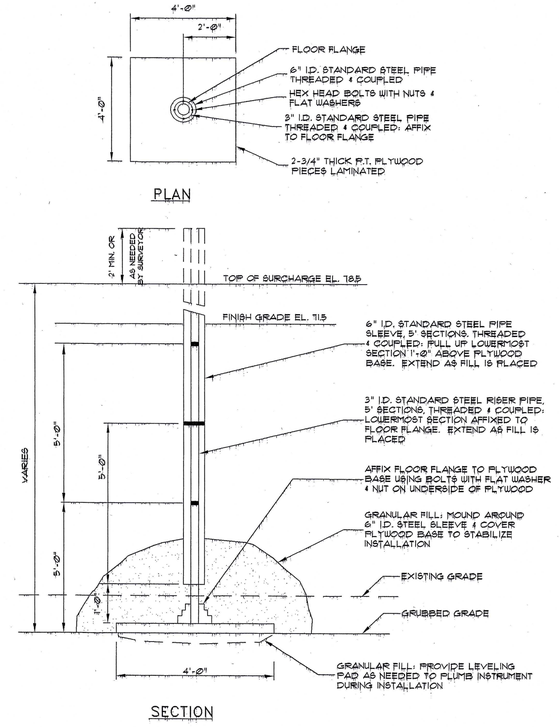
3 LIGHT POLE BASE DETAIL

NOT TO SCALE



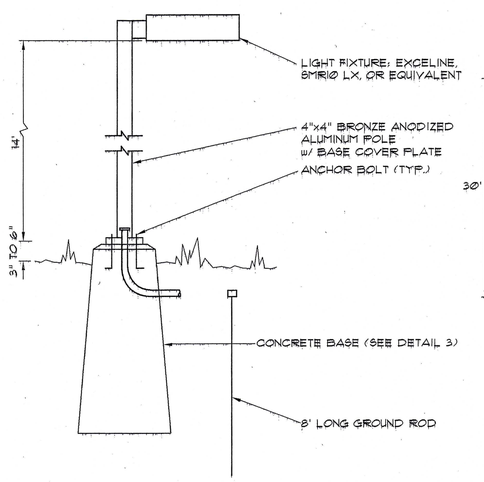
2 LOW VOLTAGE AND CONVENIENCE WIRING SCHEMATIC

SCALE: 1" = 50'



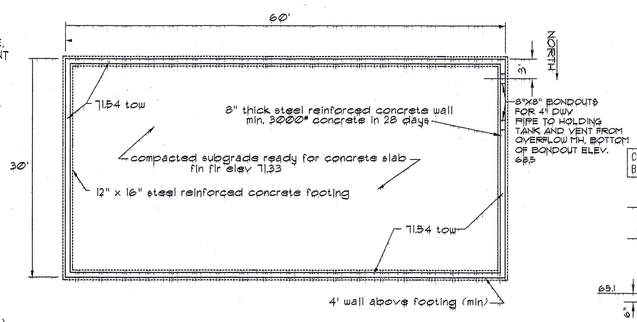
1 SETTLEMENT PLATFORM DETAIL

NOT TO SCALE



6 ACCESS ROAD LIGHT POLE DETAIL

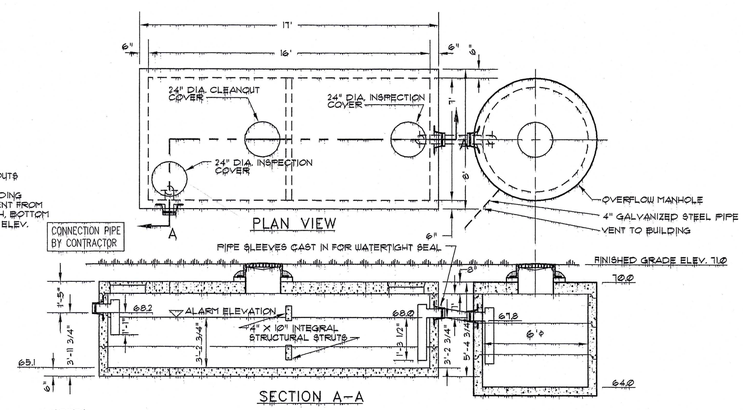
NOT TO SCALE



NOTE:
6"X6" BONDOUTS FOR WATER AND ELECTRICAL SERVICES TO BE LOCATED IN FIELD.

5 CONCESSION/STORAGE BUILDING FOUNDATION DETAIL

NOT TO SCALE



NOTES:
1. ALL PIPE AND FITTINGS INSIDE THE TANK SHALL BE SCH. 40 PVC.
2. ADJUST BAFFLE HEIGHT AS REQUIRED TO PROVIDE 2500 GALLON CAPACITY IN HOLDING TANK.
3. SEAL TONGUE AND GROOVE JOINTS OF HOLDING TANK AND MANHOLE WITH A STRIP OF ASPHALTIC BUTYL RUBBER
4. HOLDING TANK SHALL BE SUPERIOR CONCRETE ITEM #1120 OR EQUIVALENT.
5. TANK, MANHOLE, AND COVERS SHALL BE DESIGNED TO WITHSTAND AASHTO H-20 WHEEL LOADING.
6. BED TANK AND MANHOLE ON 6" MIN. OF GRAVEL (MDOT 703.06(a) TYPE B) AND BACKFILL WITH SAME MATERIAL.
9. THE HOLDING TANK SHALL BE EQUIPPED WITH A MERCURY SWITCH FLOAT WITH AN INTRINSICALLY SAFE RELAY TO ACTIVATE AUDIBLE AND VISUAL ALARMS IN THE CONCESSION BUILDING. ALL ELECTRICAL COMPONENTS WITHIN 2 FEET OF THE TANK SHALL BE EXPLOSION PROOF - CLASS 1. THE RELAY SHALL BE HOUSED IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE OUTSIDE OF AN OUTSIDE WALL OF THE CONCESSION BUILDING. CONDUIT BETWEEN THE HOLDING TANK AND RELAY ENCLOSURE SHALL BE RIGID GALVANIZED STEEL. PROVIDE SEAL-OFFS PER CODE.

4 COMBINATION SEPTIC TANK AND OVERFLOW MANHOLE DETAIL

NOT TO SCALE

REV.	DATE	DESCRIPTION

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

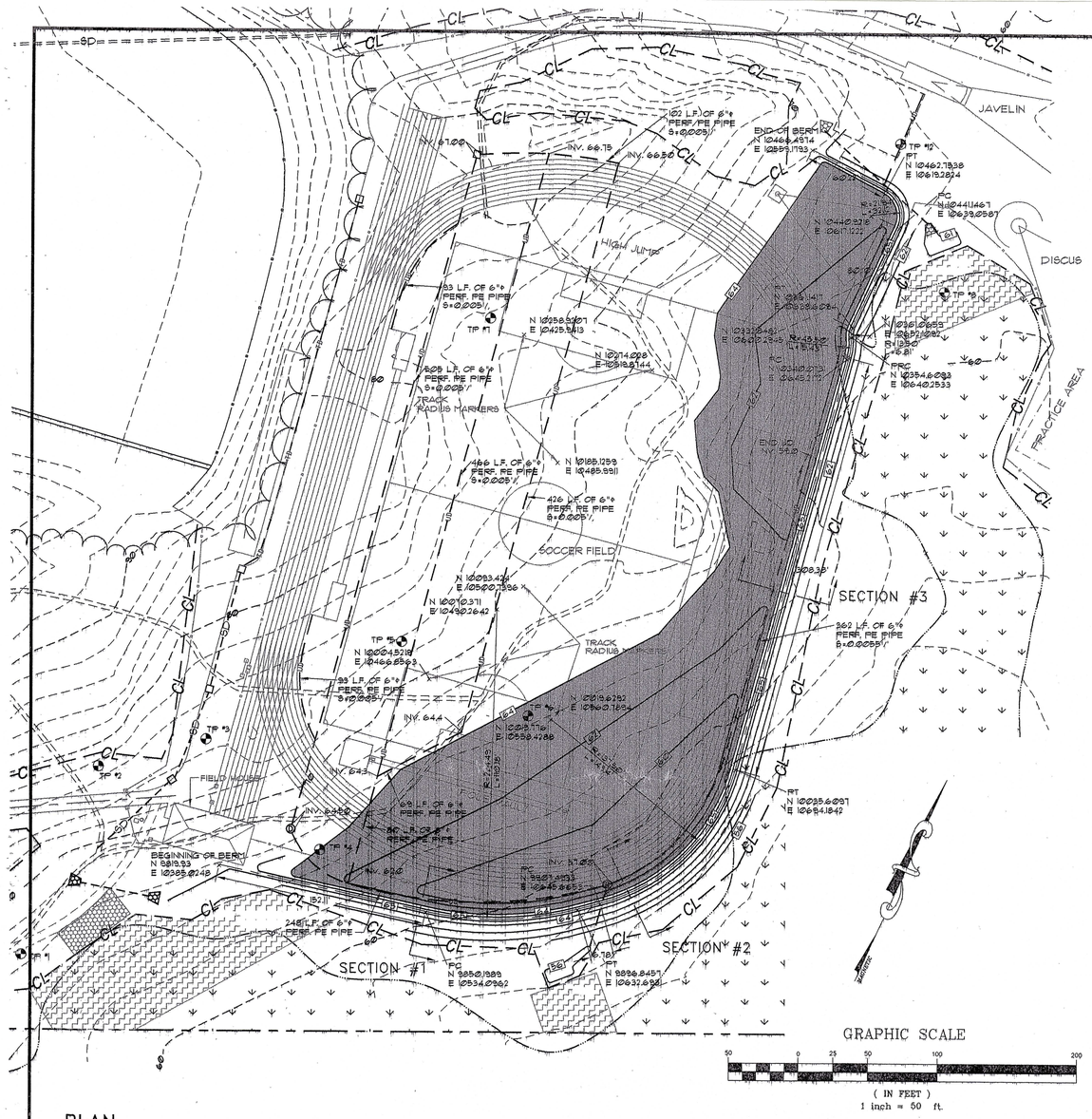
YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

DETAILS

SCALE:	AS SHOWN	DRN BY:	JLL3
DATE:	DECEMBER 6, 2000	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

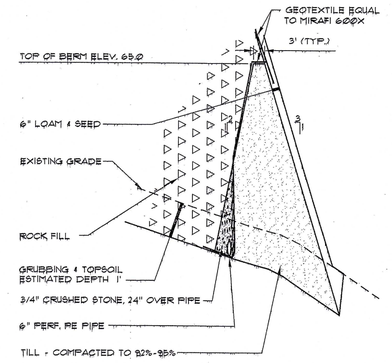
C10R

CAD FILE: DETAILS FILE SCALE: 1"=10' PLOT DATE: 12/6/00

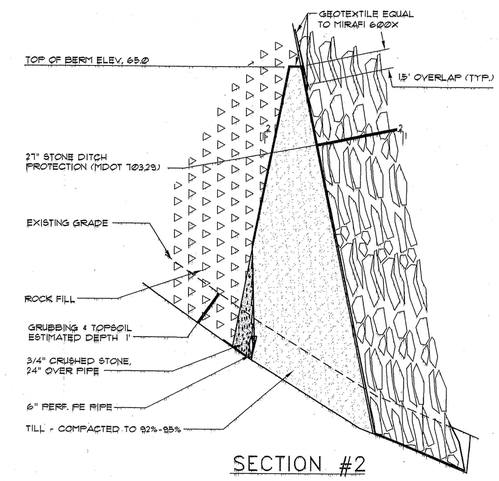


PLAN

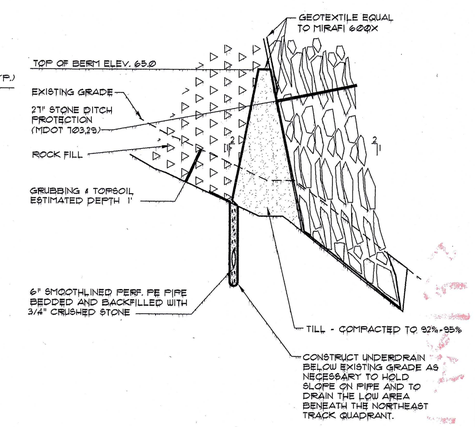
SCALE: 1"=50'



SECTION #1



SECTION #2



SECTION #3

BERM NOTES:

1. DETENTION POND BERM SHALL BE CONSTRUCTED OF RELATIVELY IMPERVIOUS ONSITE TILL AND CLAY, FREE OF ORGANICS AND STONES LARGER THAN 6" IN THEIR GREATEST DIMENSION. COMPACT IN 12" LAYERS TO 95% (ASTM D1557).
2. INNER SLOPE OF BERM SHALL BE 2:1 FOR ITS ENTIRE LENGTH. THE OUTER SLOPE SHALL MATCH THE SLOPE ABOVE IT.
3. PIPES ALONG INSIDE OF BERM SHALL BE 6" PERF. PE.
4. ROCK FILL: SELECT BLASTED ROCK OR PROCESSED ANGULAR ROCK FROM ON SITE WITH STONE SIZE RANGING FROM 2" TO 15". MAXIMUM STONE SIZE SHALL BE 15" IN THE GREATEST DIMENSION. THE MAXIMUM DIMENSION OF SELECT PIECES OF ROCK SHALL BE LESS THAN THREE TIMES THEIR MINIMUM DIMENSION. THIN SLABS SHALL NOT BE PLACED IN THE ROCK FILL. ROCK FILL SHALL BE PLACED AND COMPACTED IN LAYERS AT LEAST 15 TIMES THE MAXIMUM STONE BUT NOT GREATER THAN 24".

BERM SECTIONS

SCALE: HORIZ. 1"=20'
VERT. 1"=2'

STANDARDS FOR STABILIZING THE SITE FOR THE WINTER (SEPTEMBER 15 TO APRIL 15):

1. STANDARD CONDITIONS REQUIRING THE TIMELY STABILIZATION OF DITCHES, CHANNELS AND SLOPES, SPECIFIED TO BE COVERED WITH STONE OR RIPRAP:
   CONSTRUCT RIPRAPPED OR STONE COVERED SLOPES AND STONE-LINED DITCHES AND CHANNELS AS FILLS AND ROAD CONSTRUCTION PROGRESS.
2. STANDARD CONDITIONS REQUIRING THE TIMELY STABILIZATION OF DISTURBED SOILS IN AREAS WITH SLOPES GREATER THAN 5%:
   a. STABILIZE THE SOIL ON SLOPES NOT SPECIFIED TO BE RIPRAPPED WITH EROSION CONTROL MATS EQUAL TO NORTH AMERICAN GREEN S150 INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. APPLY EROSION CONTROL MATS OVER THE MULCHED SLOPE.

   OR:

   b. STABILIZE SOIL WITH A 6" TO 8" LAYER OF WOOD WASTE COMPOST ON SLOPES UP TO 4:1 AND 8" TO 12" ON SLOPES , 4:1 TO 2:1. PRIOR TO PLACING THE WOOD WASTE COMPOST, REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED SLOPE. DO NOT USE WOOD WASTE COMPOST TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% (2H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.
3. STANDARD CONDITIONS REQUIRING THE TIMELY STABILIZATION OF DISTURBED SOILS IN AREAS WITH SLOPES LESS THAN 5%:
   MULCH ALL DISTURBED SOILS BY SPREADING 4" TO 6" OF WOOD WASTE COMPOST/EROSION CONTROL MIX, OR HAY OR STRAW AT A RATE OF AT LEAST 150 POUNDS PER 1,000 SQUARE FEET ON THE AREA SO THAT NO SOIL IS VISIBLE THROUGH THE MULCH. PRIOR TO APPLYING THE MULCH, REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED AREA. IMMEDIATELY AFTER APPLYING THE MULCH, ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.
4. STANDARD CONDITIONS REQUIRING THE TIMELY PERMANENT STABILIZATION OF DISTURBED SOILS AFTER APRIL 15:
   REMOVE MULCH, PREPARE TOPSOIL, SEED AND REMULCH ALL AREAS STABILIZED FOR WINTER CONDITIONS THAT ARE TO BE PERMANENTLY SEEDED, AS SOON AS WEATHER CONDITIONS PERMIT. SEE SHEET C5 FOR EROSION CONTROL GENERAL NOTES.

GENERAL NOTES:

1. SEE DRAWING C3R FOR BENCHMARK REFERENCE.
2. SEE DRAWING C2R FOR COORDINATE SYSTEM.
3. THE UNDERGROUND DETENTION POND IS SHOWN SHADED IN THE PLAN.

STATE OF MAINE
STEPHEN E. STEARNS
NO. 4437
REGISTERED PROFESSIONAL ENGINEER

12-6-00

REV.	DATE	DESCRIPTION

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

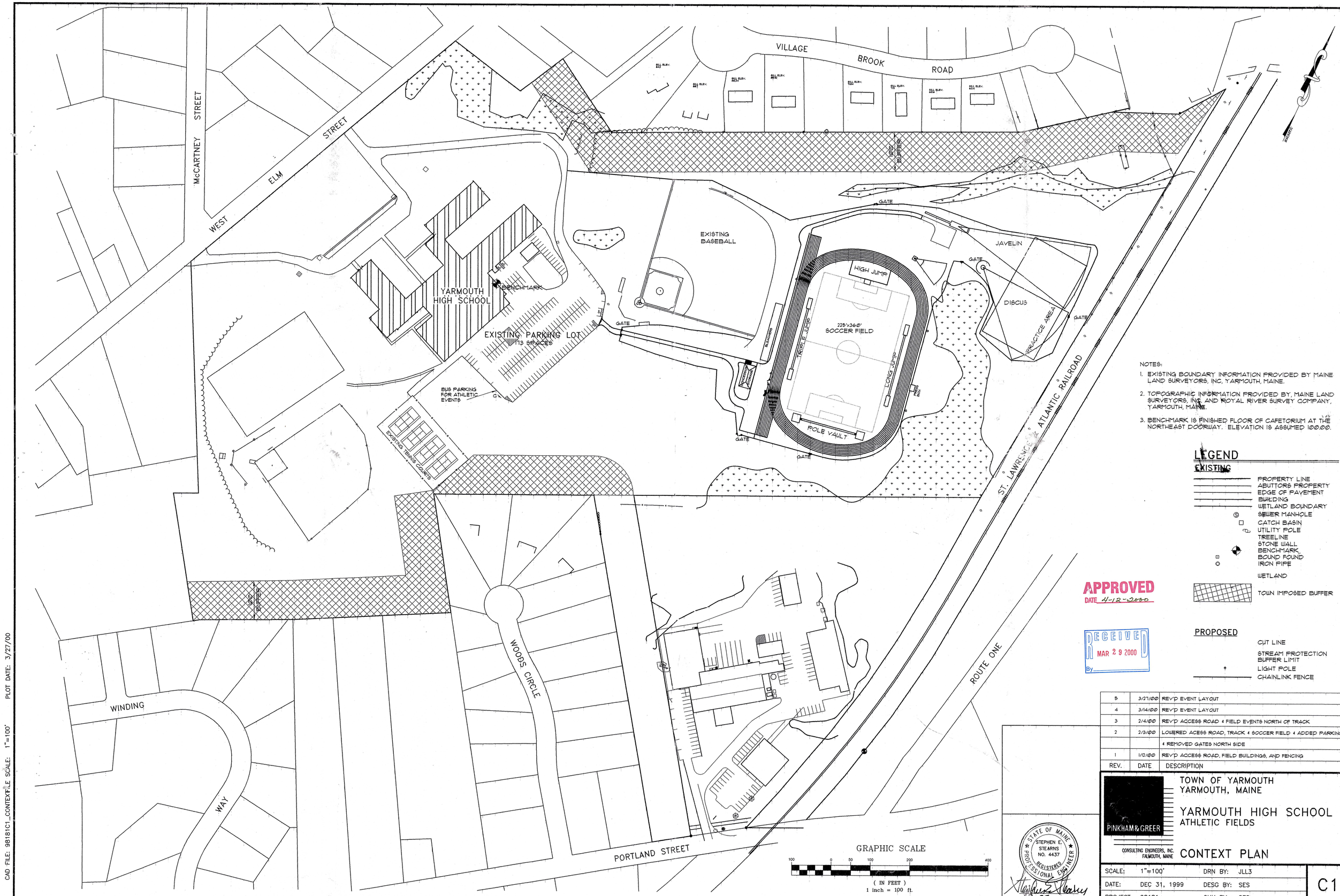
YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

DETENTION BERM GRADING AND LAYOUT PLAN

SCALE:	AS SHOWN	DRN BY:	JLL3
DATE:	DECEMBER 6, 2000	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C11

CAD FILE: 98181DPOND.DWG FILE SCALE: 1=50 PLOT DATE: 12/6/00



NOTES:

1. EXISTING BOUNDARY INFORMATION PROVIDED BY MAINE LAND SURVEYORS, INC, YARMOUTH, MAINE.
2. TOPOGRAPHIC INFORMATION PROVIDED BY, MAINE LAND SURVEYORS, INC, AND ROYAL RIVER SURVEY COMPANY, YARMOUTH, MAINE.
3. BENCHMARK IS FINISHED FLOOR OF CAFETORIUM AT THE NORTHEAST DOORWAY. ELEVATION IS ASSUMED 100.00.

LEGEND

EXISTING

- PROPERTY LINE
- ABUTTORS PROPERTY
- EDGE OF PAVEMENT
- BUILDING
- WETLAND BOUNDARY
- SEWER MANHOLE
- CATCH BASIN
- UTILITY POLE
- TREELINE
- STONE WALL
- BENCHMARK
- BOUND FOUND
- IRON PIPE
- WETLAND
- TOWN IMPOSED BUFFER

PROPOSED

- CUT LINE
- STREAM PROTECTION BUFFER LIMIT
- LIGHT POLE
- CHAINLINK FENCE

APPROVED
DATE 4-12-2000

RECEIVED
MAR 29 2000
By

REV.	DATE	DESCRIPTION
5	3/27/00	REV'D EVENT LAYOUT
4	3/14/00	REV'D EVENT LAYOUT
3	2/4/00	REV'D ACCESS ROAD & FIELD EVENTS NORTH OF TRACK
2	2/3/00	LOWERED ACESS ROAD, TRACK & SOCCER FIELD & ADDED PARKING, & REMOVED GATES NORTH SIDE
1	1/12/00	REV'D ACCESS ROAD, FIELD BUILDINGS, AND FENCING

STATE OF MAINE
STEPHEN E. STEARNS
NO. 4437
REGISTERED PROFESSIONAL ENGINEER
3-27-00

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

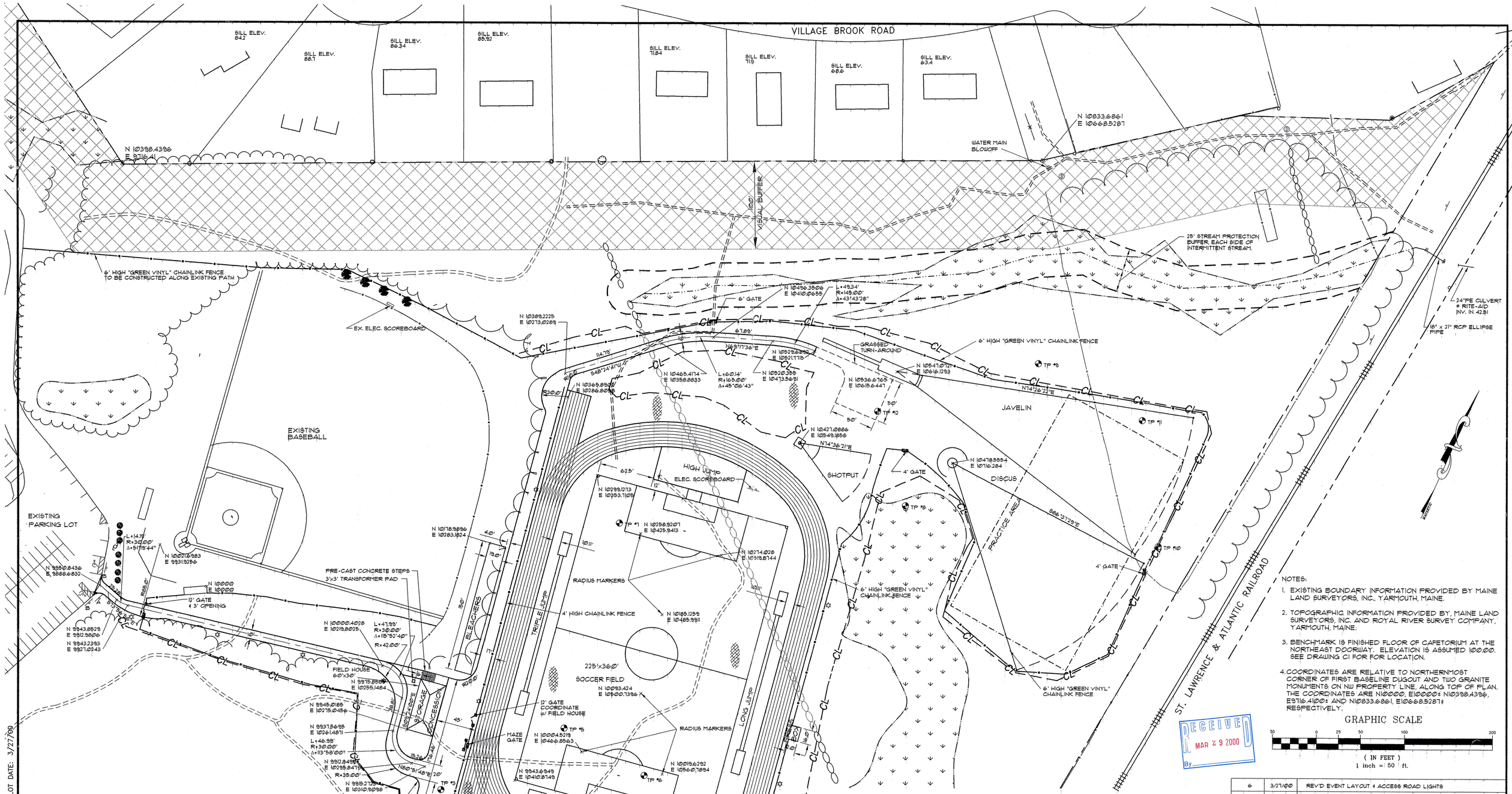
YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

CONTEXT PLAN

SCALE:	1"=100'	DRN BY:	JLL3
DATE:	DEC 31, 1999	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C1

CAD FILE: 98181C1_CONTEXT.LE SCALE: 1"=100' PLOT DATE: 3/27/00



NOTES:

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2. TOPOGRAPHIC INFORMATION PROVIDED BY, MAINE LAND SURVEYORS, INC. AND ROYAL RIVER SURVEY COMPANY, YARMOUTH, MAINE.
3. BENCHMARK IS FINISHED FLOOR OF CAFETORIUM AT THE NORTHEAST DOORWAY. ELEVATION IS ASSUMED 100.00. SEE DRAWING C1 FOR FOR LOCATION.
4. COORDINATES ARE RELATIVE TO NORTHERNMOST CORNER OF FIRST BASELINE DUGOUT AND TWO GRANITE MONUMENTS ON NW PROPERTY LINE, ALONG TOP OF PLAN. THE COORDINATES ARE N10000, E10000± N10398.4396, E9716.41200± AND N10833.6861, E10668.52871± RESPECTIVELY.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

RECEIVED MAR 29 2000 By

LEGEND

EXISTING

- PROPERTY LINE
- EDGE OF PAVEMENT
- BUILDING
- WETLAND BOUNDARY
- SEWER MANHOLE
- UTILITY POLE
- TREE/TREELINE
- FENCE LINE
- BOUND FOUND
- IRON PIPE
- TP #1 TEST PIT FOR SOILS OBSERVATION
- TOWN IMPOSED BUFFER
- ROCK OUTCROPPING

PROPOSED

- EDGE OF PAVEMENT
- BUILDING
- FIELD EVENT AREA
- CL CLEARING LIMIT
- LIGHT POLE
- SIGN
- CENTER LINE
- STREAM PROTECTION BUFFER LIMIT
- CHAINLINK FENCE

REV.	DATE	DESCRIPTION
6	3/27/00	REV'D EVENT LAYOUT & ACCESS ROAD LIGHTS
5	3/14/00	REV'D EVENT LAYOUT & ADDED BOLLARD LIGHTS TO ACCESS RD
4	2/11/00	REV'D ACCESS ROAD AND EVENTS NORTH OF TRACK
3	2/4/00	REGRADED ACCESS ROAD FOR EMERGENCY VEHICLE
2	2/3/00	LOWERED ACCESS ROAD, TRACK, & SOCCER FIELD, & REMOVED GATES NORTH SIDE
1	1/11/00	REV'D ACCESS ROAD, FIELD BUILDINGS, AND FENCING

STATE OF MAINE
STEPHEN E. STEARNS
NO. 4437
REGISTERED PROFESSIONAL ENGINEER
3-27-00

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

YARMOUTH HIGH SCHOOL ATHLETIC FIELDS

LAYOUT PLAN

SCALE:	1"=50'	DRN BY:	JLL3
DATE:	DEC. 31, 1999	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C2

CAD FILE: 98181BASE(xrfs)WHLE SCALE: 1=50' PLOT DATE: 3/27/00

LEGEND

EXISTING

- PROPERTY LINE
- EDGE OF PAVEMENT
- CONTOURS
- BUILDING
- WETLAND BOUNDARY
- SANITARY SEWER
- STORM DRAIN
- UNDERGROUND ELECTRIC LINE
- WATER LINE
- SEWER MANHOLE
- UTILITY POLE
- TREE/TREELINE
- FENCE LINE
- BOUND FOUND
- IRON PIPE
- TEST PIT FOR SOILS OBSERVATION
- TOWN IMPOSED BUFFER

PROPOSED

- EDGE OF PAVEMENT
- CONTOURS
- BUILDING
- FIELD EVENT AREA
- CLEARING LIMIT
- SANITARY SEWER FORCEMAIN
- STORM DRAIN
- UNDERGROUND ELECTRIC LINE
- WATER LINE
- UNDERDRAIN
- TRENCH DRAIN
- SPOT GRADE
- CATCH BASIN
- DRAIN MANHOLE
- LIGHT POLE
- SIGN
- STREAM PROTECTION BUFFER LIMIT
- PAVED AREA
- STONE SLOPE
- RIPRAP

NOTES:

1. EXISTING BOUNDARY INFORMATION PROVIDED BY MAINE LAND SURVEYORS, INC., YARMOUTH, MAINE.
2. TOPOGRAPHIC INFORMATION PROVIDED BY, MAINE LAND SURVEYORS, INC. AND ROYAL RIVER SURVEY COMPANY, YARMOUTH, MAINE.
3. BENCHMARK IS FINISHED FLOOR OF CAFETORIUM AT THE NORTHEAST DOORWAY. ELEVATION IS ASSUMED 100.00. SEE DRAWING C1 FOR LOCATION.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

RECEIVED MAR 29 2000 By

REV.	DATE	DESCRIPTION
6	3/27/00	REV'D EVENT LAYOUT & ACCESS ROAD LIGHTS
5	3/14/00	REV'D EVENT LAYOUT & ADDED BOLLARD LIGHT TO ACCESS RD
4	2/10/00	REV'D ACCESS ROAD, EVENTS & GRADING NORTH OF TRACK
3	2/4/00	REGRADED ACCESS ROAD FOR EMERGENCY VEHICLE
2	2/3/00	LOWERED ACCESS ROAD, TRACK, & SOCCER FIELD, & REMOVED GATES NORTH SIDE
1	1/11/00	REV'D ACCESS ROAD, FIELD BUILDINGS, AND FENCING

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

FIELD GRADING AND UTILITY PLAN

STATE OF MAINE
STEPHEN E. STEARNS
NO. 4437
REGISTERED PROFESSIONAL ENGINEER
3-27-00

SCALE:	1"=50'	DRN BY:	JLL3
DATE:	DEC. 31, 1999	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C3

CAD FILE: 98181BASE.DWG FILE SCALE: 1=50' PLOT DATE: 3/27/00

NOTES:

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3. BENCHMARK IS FINISHED FLOOR OF CAFETORIUM AT THE NORTHEAST DOORWAY. ELEVATION IS ASSUMED 100.00. SEE DRAWING C1 FOR LOCATION.
4. DO NOT STOCKPILE MATERIALS WITHIN 50 FT OF WETLANDS.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

RECEIVED
MAR 29 2000
By

EROSION CONTROL LEGEND

- RIPRAP
- SILT FENCE
- CHECKDAM
- HAY BALE PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- EROSION CONTROL MESH
- STONE SLOPE
- CL STONE SLOPE

REV.	DATE	DESCRIPTION
6	3/27/00	REV'D EVENT LAYOUT & ACCESS ROAD LIGHTS
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STATE OF MAINE
STEPHEN E. STEARNS
NO. 4437
REGISTERED PROFESSIONAL ENGINEER
3-27-00

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

EROSION AND SEDIMENT CONTROL PLAN

SCALE:	1"=50'	DRN BY:	JLL3
DATE:	DEC. 28, 1999	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C4

CAD FILE: 98181\SASEcto\DWGLE PLOT DATE: 3/27/00 SCALE: 1=50