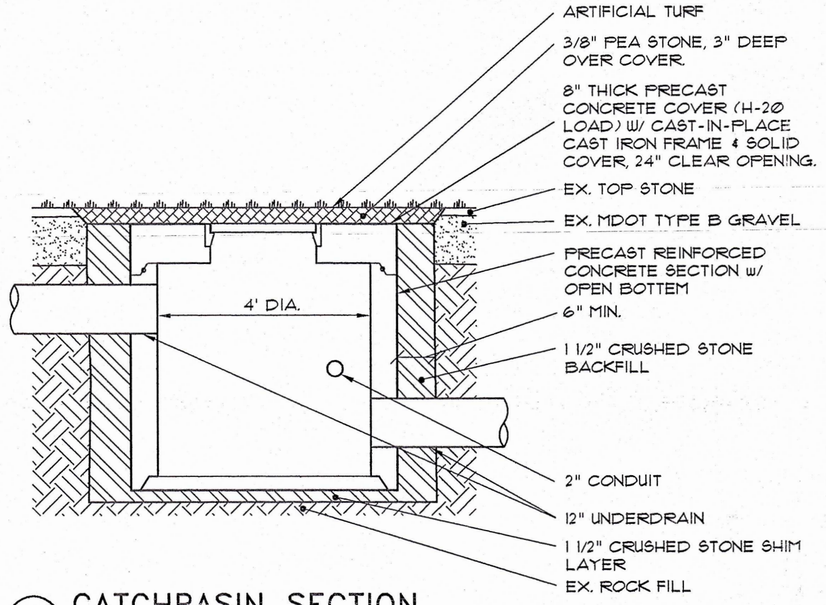
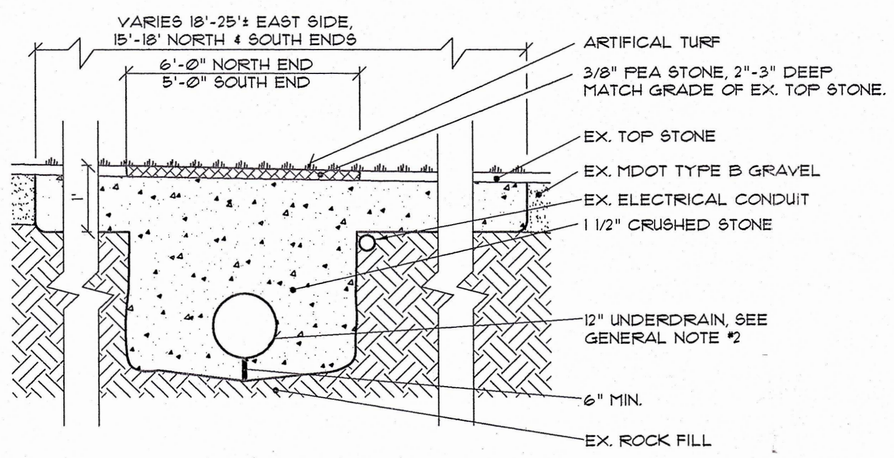


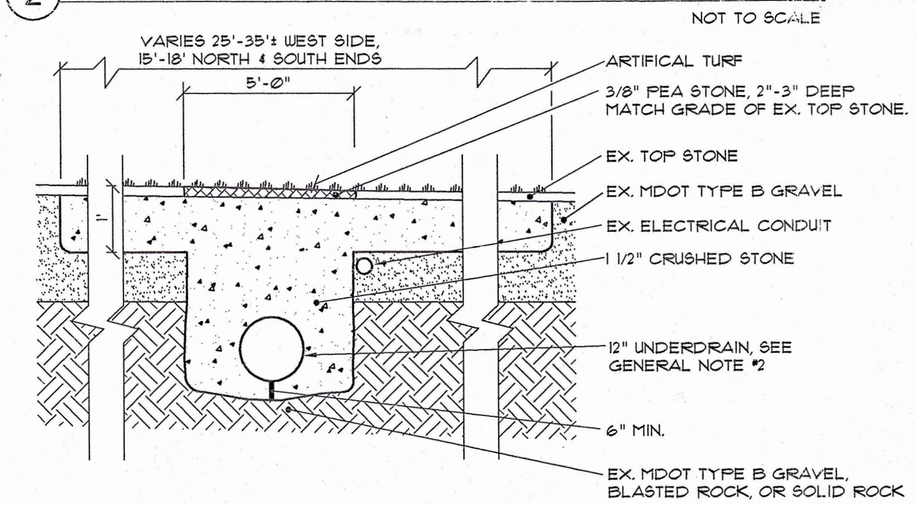
1 CATCHBASIN SECTION

NOT TO SCALE



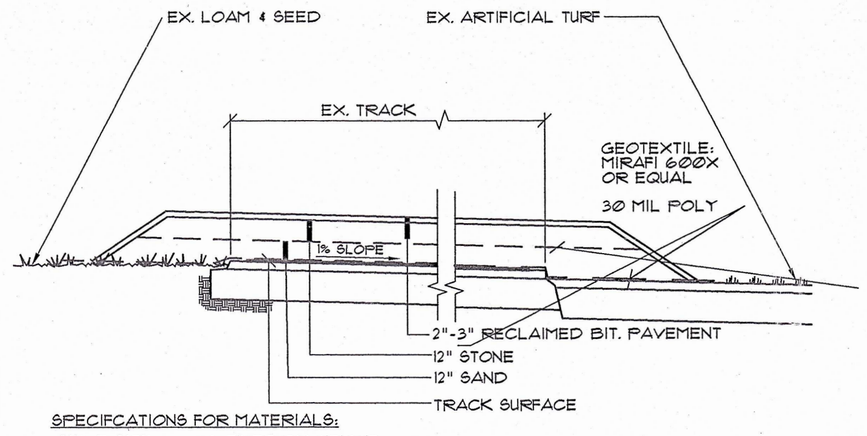
2 UNDERDRAIN SECTION AT ROCK FILL

NOT TO SCALE



3 UNDERDRAIN SECTION AT ROCK CUT

NOT TO SCALE

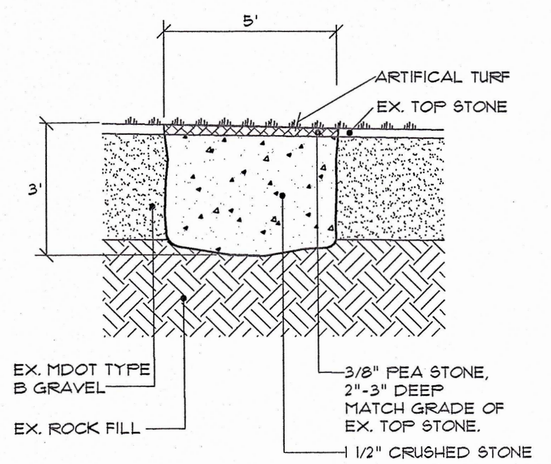


SPECIFCATIONS FOR MATERIALS:

SIEVE SIZE	% FINER BY WEIGHT SAND	STONE
2 INCH		100
1 INCH		30-70
#4	100	0-15
#40	0-50	
#200	0-10	

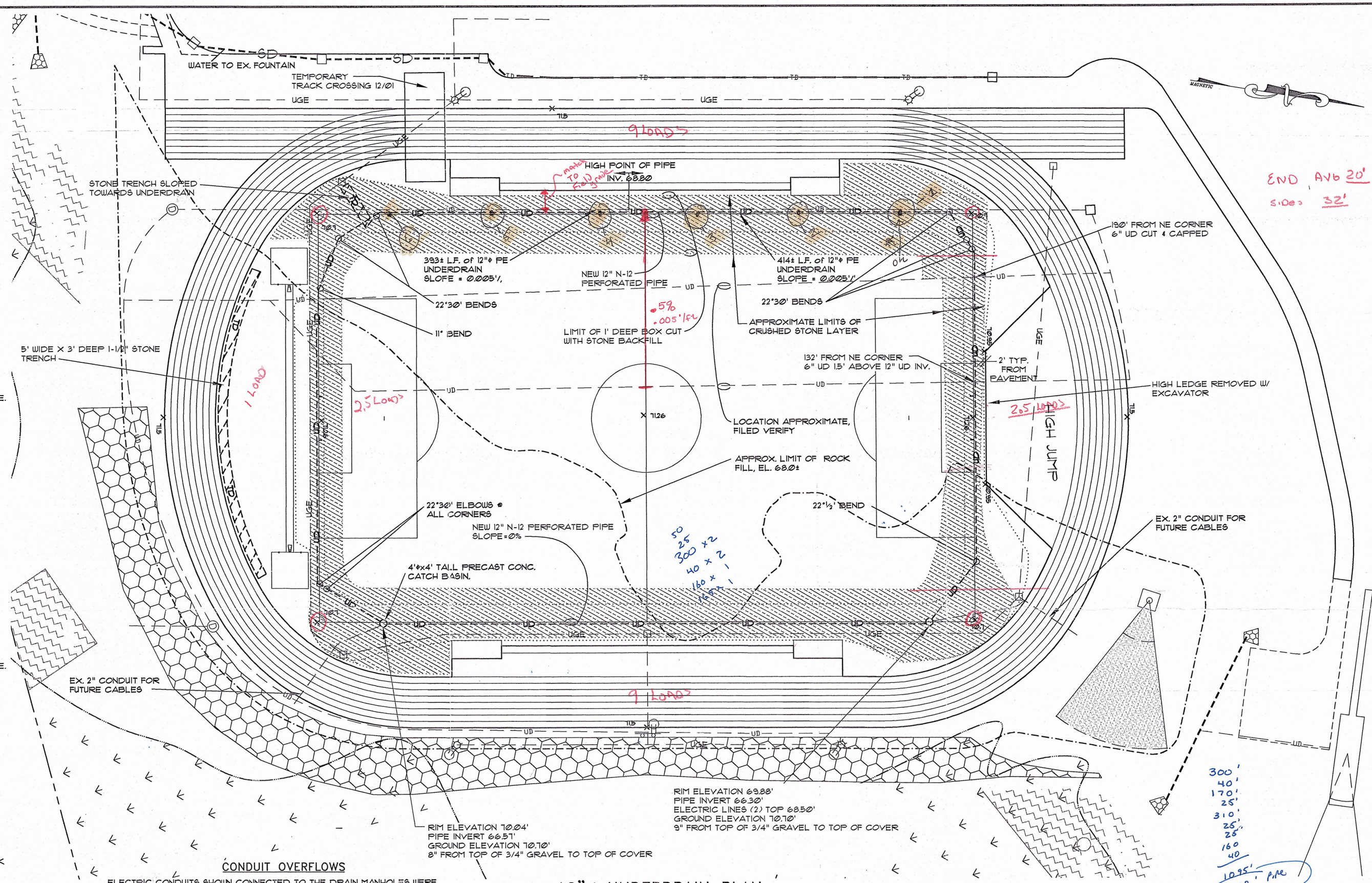
4 TEMPORARY TRACK CROSSING

NOT TO SCALE



5 TRENCH DRAIN SECTION

NOT TO SCALE



12"ø UNDERDRAIN PLAN

SCALE: 1"=30'

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

CONDUIT OVERFLOWS

ELECTRIC CONDUITS SHOWN CONNECTED TO THE DRAIN MANHOLES WERE INTENDED TO BE EARLY WARNING OVERFLOWS. IN THE EVENT THE ROCK FILL WAS CLOGGED, WATER WOULD EXIT FROM THE 2" CONDUITS FIRST INDICATING A PROBLEM IN THE MANHOLE OUTLET DRAIN. THE ELEVATIONS OF THE DRAIN MANHOLES WERE LOWER THAN THE ELEVATIONS OF THE EXISTING SPARE CONDUITS AND THEREFORE THEIR EFFECTIVENESS, AS AN EARLY WARNING DEVICE, IS LIMITED AT BEST. IN THE FUTURE THE LINES COULD BE DISCONTINUED WITHOUT IMPACTING THE DRAINAGE SYSTEMS EFFECTIVENESS.

LEGEND

EXISTING

- PROPERTY LINE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- WETLAND BOUNDARY
- SD — STORM DRAIN
- UGE — UNDERGROUND ELECTRIC
- UD — UNDERDRAIN
- TD — TRENCH DRAIN
- CATCH BASIN
- DRAIN MANHOLE
- LIGHT POLE
- ELECTRICAL OUTLET
- ELECTRIC PULL BOX
- × 71.5 — SPOT GRADE
- RIPRAP
- BUFFER
- APPROX. LIMIT OF ROCK FILL
- UD — UNDERDRAIN 12/01
- ELECTRIC CONDUIT
- TD — TRENCHDRAIN 12/01
- 2"D — 2" DRAIN 12/01

GENERAL NOTES:

1. USE SAME DATUM AS WAS USED TO CONSTRUCT THE FIELD: BENCHMARK IS FINISHED FLOOR OF CAFETORIUM AT THE NORTHEAST DOORWAY. ELEVATION IS ASSUMED 100.00.
2. UNDERDRAIN PIPE: SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE EQUAL TO HANCOR HI-Q PERFORATED IN ACCORDANCE WITH AASHTO M252 AND M294 CLASS 2.
3. LOCATE TRENCH BETWEEN THE EDGE OF THE SOCCER FIELD AND THE EDGE OF THE JUMPING PITS ON THE EAST, WEST & SOUTH SIDES AND BETWEEN THE EDGE OF THE SOCCER FIELD AND EDGE OF PAVEMENT ON THE NORTH SIDE AS MUCH AS POSSIBLE. DO NOT UNDERMINE PAVEMENT.
4. MATERIAL SPECIFCATIONS:

SIEVE SIZE	% FINER BY WEIGHT 3/8 INCH CRUSHED STONE	1 1/2 INCH CRUSHED STONE
2 INCH		100
1 1/2 INCH		95-100
3/4 INCH		0-50
1/2 INCH	100	
3/8 INCH	85-100	0-30
#4	0-40	0-5
#8	0-10	
#16	0-5	

5. WASH ROCK FILL ON BOTTOM OF TRENCH UNTIL CRUSHED ROCK FRAGMENTS ARE CLEAN AND WASH WATER DOES NOT "BUILD UP" ON TRENCH BOTTOM. USE CARE NOT TO WASH SIDES OF TRENCH EXCESSIVELY.
6. AS BUILT INFORMATION PROVIDED BY THE TOWN OF YARMOUTH

REV.	DATE	DESCRIPTION
		Reviewed & Approved 2/18/02 WES

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

AS-BUILT DECEMBER, 2001
DRAINAGE IMPROVEMENTS

SCALE:	AS SHOWN	DRN BY:	JLL3/JDC
DATE:	JANUARY 31, 2002	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

UD1

PLOT DATE: 1/3/02
FILE SCALE: 1=50
CAD FILE: 98181BASEXtraRNext

VILLAGE BROOK ROAD

McCARTNEY STREET

WEST ELM STREET

FLINT LANE

YARMOUTH HIGH SCHOOL

BENCHMARK

EXISTING PARKING LOT
113 SPACES

BUS PARKING FOR ATHLETIC EVENTS

EXISTING TENNIS COURTS

100' BUFFER

EXISTING BASEBALL

225'x360' SOCCER FIELD

HIGH JUMP

TRIPLE JUMP

LONG JUMP

POLE VAULT

BLEACHERS

STORAGE CONCESSION

GATE

JAVELIN

DISCUS

PRACTICE AREA

25' STREAM PROTECTION BUFFER EACH SIDE OF INTERMITTENT STREAM.

ST. LAWRENCE & ATLANTIC RAILROAD

ROUTE ONE

WOODS CIRCLE

WINDING WAY

PORTLAND STREET

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
- ABUTTERS 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
- VEGETATIVE BUFFER

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

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

9-21-00

REV.	DATE	DESCRIPTION

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:	SEPT. 20, 2000	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C1R

CAD FILE: 98181C1_CONTEXTFILE SCALE: 1"=100' PLOT DATE: 9/20/00

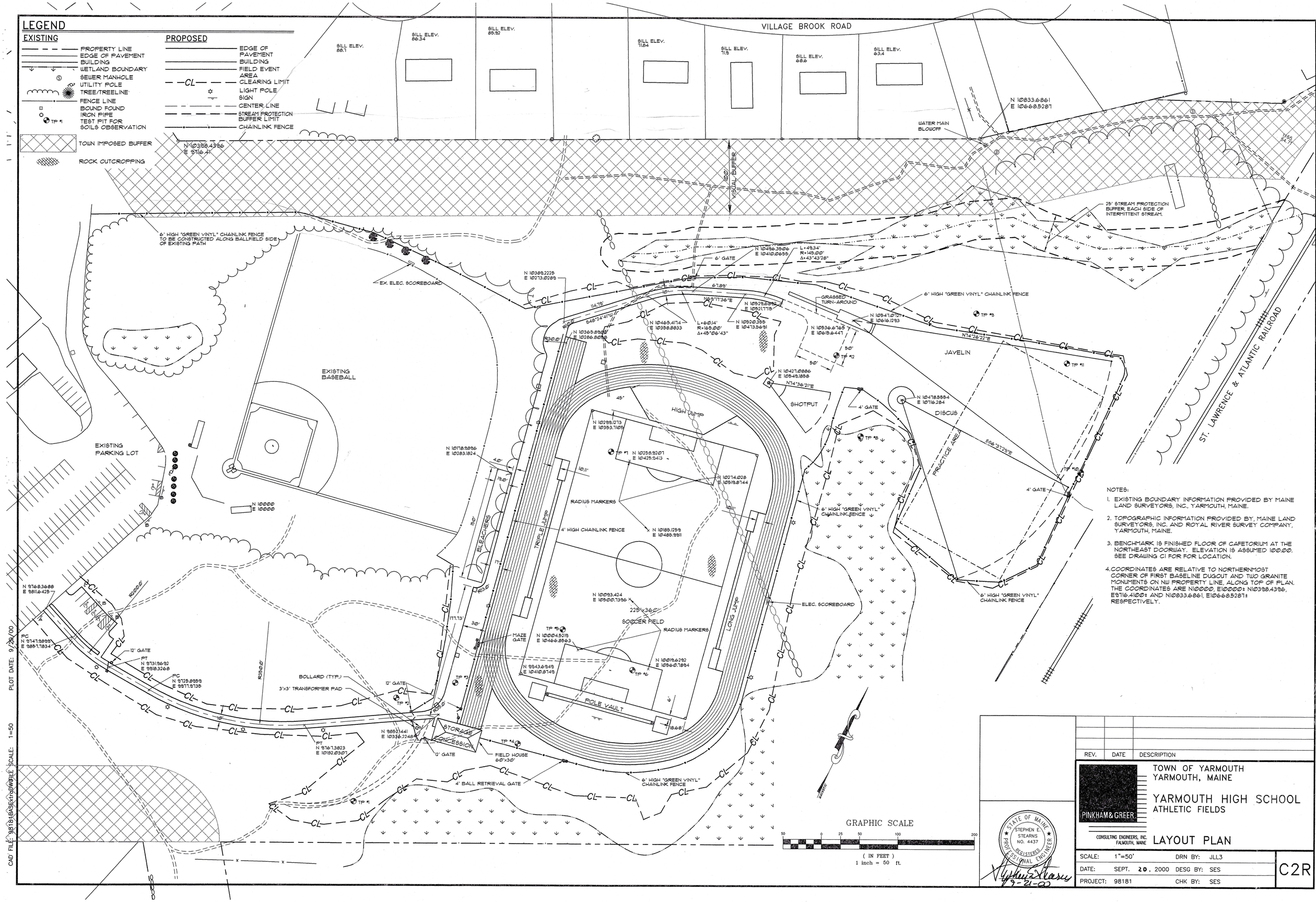
LEGEND

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



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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, E9716.4100± AND N10833.6861, E10668.5287± RESPECTIVELY.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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

9-21-00

REV.	DATE	DESCRIPTION

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:	SEPT. 20, 2000	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C2R

CAD FILE: 98181BASextroDWG PLOT DATE: 9/20/00 SCALE: 1=50

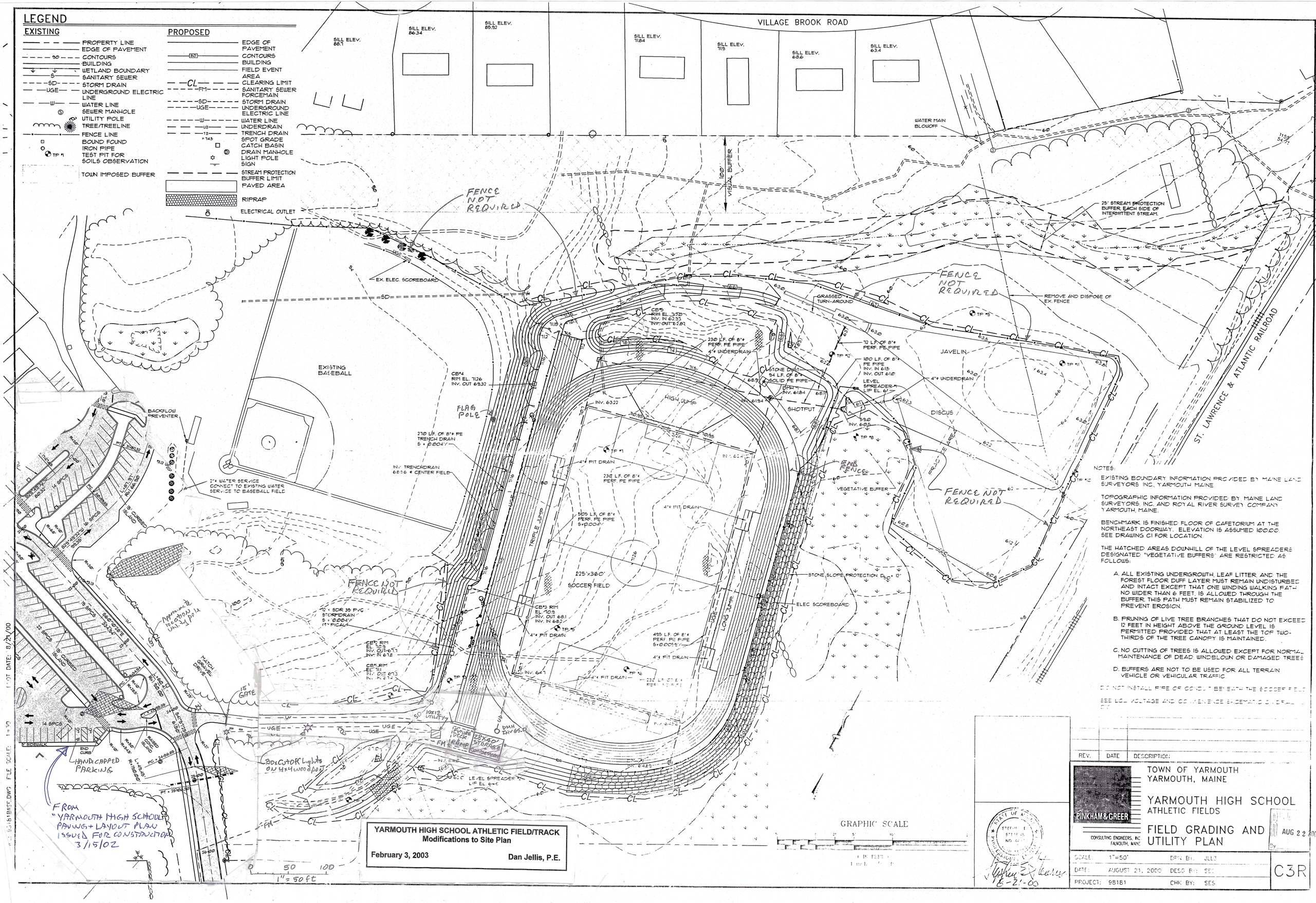
LEGEND

EXISTING

- PROPERTY LINE
- EDGE OF PAVEMENT
- 80 CONTOURS
- BUILDING
- WETLAND BOUNDARY
- S SANITARY SEWER
- SD STORM DRAIN
- UGE UNDERGROUND ELECTRIC LINE
- W WATER LINE
- SEWER MANHOLE
- UTILITY POLE
- TREE/TREELINE
- FENCE LINE
- BOUND FOUND
- IRON PIPE
- TP #1 TEST PIT FOR SOILS OBSERVATION
- TOWN IMPOSED BUFFER

PROPOSED

- EDGE OF PAVEMENT
- 80 CONTOURS
- BUILDING
- FIELD EVENT AREA
- CL CLEARING LIMIT
- FM SANITARY SEWER FORCEMAIN
- SD STORM DRAIN
- UGE UNDERGROUND ELECTRIC LINE
- W WATER LINE
- UD UNDERDRAIN
- TD TRENCH DRAIN
- × 74.5 SPOT GRADE
- CATCH BASIN
- D DRAIN MANHOLE
- LIGHT POLE
- SIGN
- STREAM PROTECTION BUFFER LIMIT
- PAVED AREA
- RIPRAP
- ELECTRICAL OUTLET



NOTES:

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BENCHMARK IS FINISHED FLOOR OF CAFETORIUM AT THE NORTHEAST DOORWAY. ELEVATION IS ASSUMED 100.00. SEE DRAWING C1 FOR LOCATION.

THE HATCHED AREAS DOWNHILL OF THE LEVEL SPREADERS DESIGNATED "VEGETATIVE BUFFERS" ARE RESTRICTED AS FOLLOWS:

A. ALL EXISTING UNDERGROWTH, LEAF LITTER, AND THE FOREST FLOOR DUFF LAYER MUST REMAIN UNDISTURBED AND INTACT EXCEPT THAT ONE WINDING WALKING PATH NO WIDER THAN 6 FEET, IS ALLOWED THROUGH THE BUFFER. THIS PATH MUST REMAIN STABILIZED TO PREVENT EROSION.

B. PRUNING OF LIVE TREE BRANCHES THAT DO NOT EXCEED 12 FEET IN HEIGHT ABOVE THE GROUND LEVEL IS PERMITTED PROVIDED THAT AT LEAST THE TOP TWO-THIRDS OF THE TREE CANOPY IS MAINTAINED.

C. NO CUTTING OF TREES IS ALLOWED EXCEPT FOR NORMAL MAINTENANCE OF DEAD, WINDBLOWN OR DAMAGED TREES

D. BUFFERS ARE NOT TO BE USED FOR ALL TERRAIN VEHICLE OR VEHICULAR TRAFFIC.

DO NOT INSTALL PIPE OR CONDUIT BENEATH THE SOCCER FIELD

SEE LOW VOLTAGE AND CONVENIENCE ENDEMATIC DRAWING

YARMOUTH HIGH SCHOOL ATHLETIC FIELD/TRACK
Modifications to Site Plan

February 3, 2003 — Dan Jellis, P.E.

REV.	DATE	DESCRIPTION:

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

FIELD GRADING AND UTILITY PLAN

AUG 22 2003

SCALE:	1"=50'	DRN BY:	JLL2
DATE:	AUGUST 21, 2000	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C3R

8-21-00

PLOT DATE: 8/21/00 FILE SCALE: 1=50

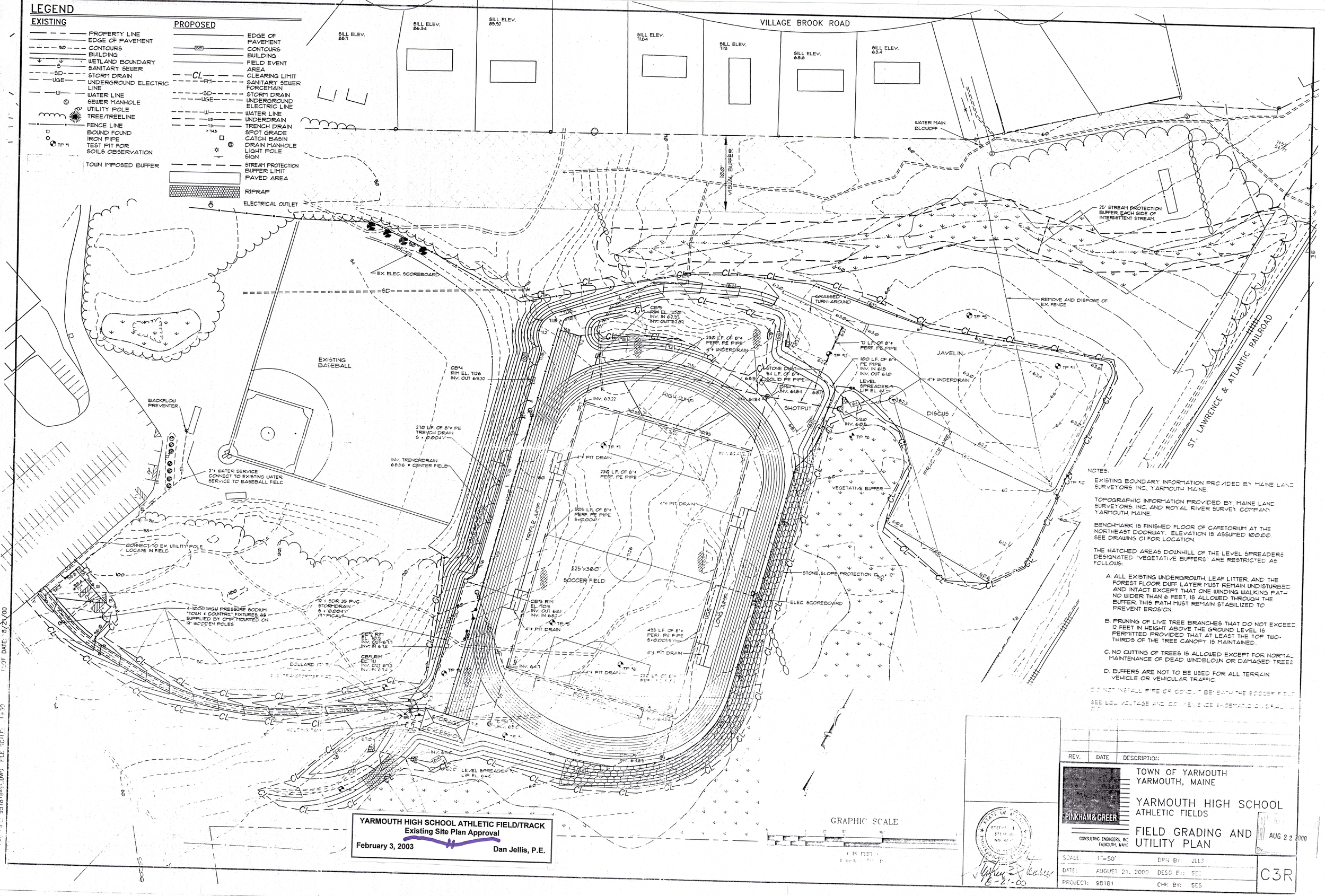
LEGEND

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
- TP #1 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
- RIPRAP
- ELECTRICAL OUTLET



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B. PRUNING OF LIVE TREE BRANCHES THAT DO NOT EXCEED 12 FEET IN HEIGHT ABOVE THE GROUND LEVEL IS PERMITTED PROVIDED THAT AT LEAST THE TOP TWO-THIRDS OF THE TREE CANOPY IS MAINTAINED.

C. NO CUTTING OF TREES IS ALLOWED EXCEPT FOR NORMAL MAINTENANCE OF DEAD, WINDBLOWN OR DAMAGED TREES.

D. BUFFERS ARE NOT TO BE USED FOR ALL TERRAIN VEHICLE OR VEHICULAR TRAFFIC.

DO NOT INSTALL PIPE OR CONDUIT BENEATH THE SOCCER FIELD.

SEE LOW VOLTAGE AND CONVENIENCE RECEPTACLE DETAIL ON C3.

YARMOUTH HIGH SCHOOL ATHLETIC FIELD/TRACK
Existing Site Plan Approval
February 3, 2003 — Dan Jellis, P.E.

REV.	DATE	DESCRIPTION:

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

FIELD GRADING AND UTILITY PLAN

AUG 22 2000

SCALE:	1"=50'	DRN BY:	JLL3
DATE:	AUGUST 21, 2000	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C3R

8-21-00

PLOT DATE: 8/21/00 FILE SCALE: 1=50

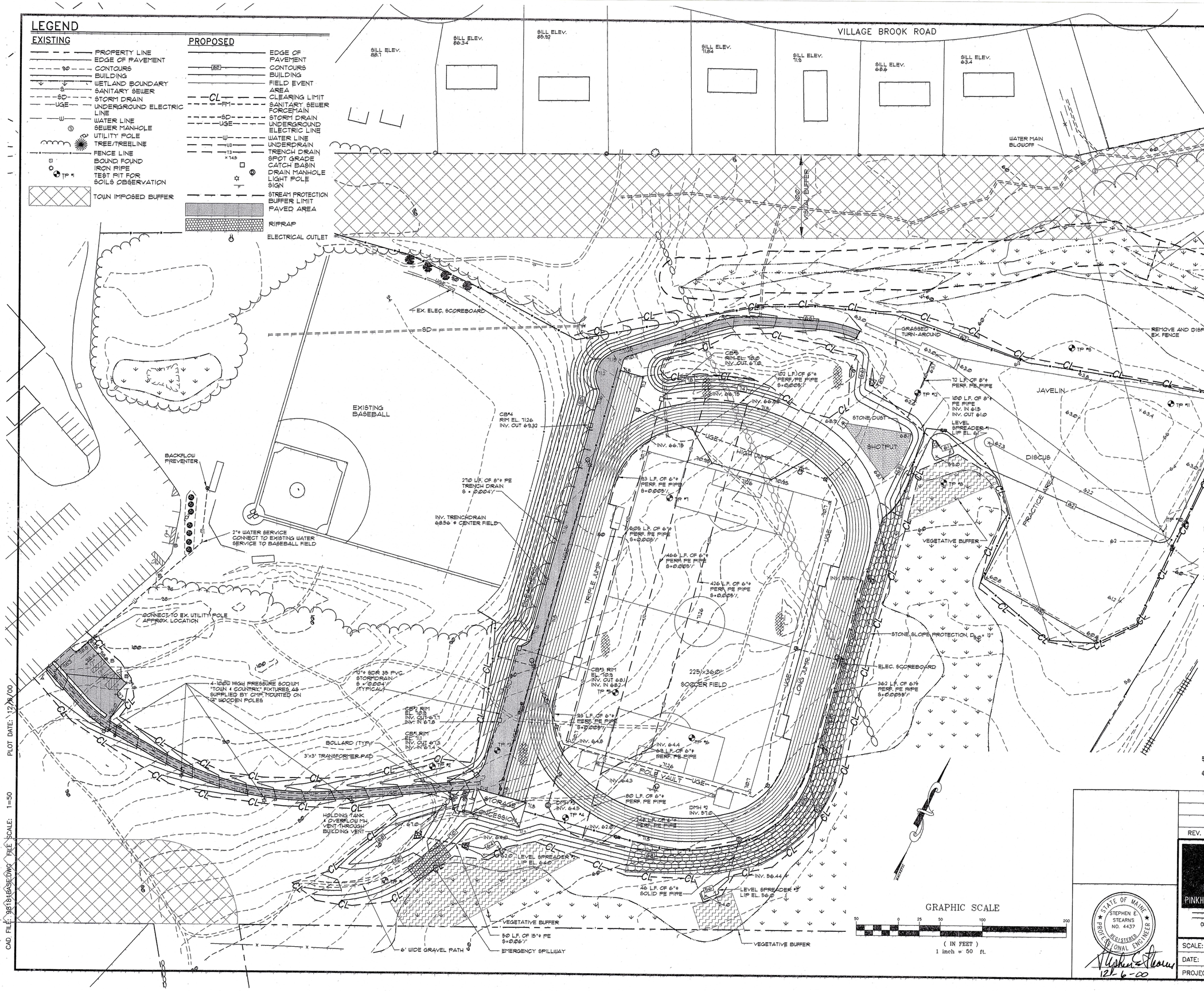
LEGEND

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
- TP #1 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
- RIPRAP
- ELECTRICAL OUTLET



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 LOCATION.
4. THE HATCHED AREAS DOWNHILL OF THE LEVEL SPREADERS DESIGNATED "VEGETATIVE BUFFERS" ARE RESTRICTED AS FOLLOWS;
   - A. ALL EXISTING UNDERGROUTH, LEAF LITTER, AND THE FOREST FLOOR DUFF LAYER MUST REMAIN UNDISTURBED AND INTACT EXCEPT THAT ONE WINDING WALKING PATH, NO WIDER THAN 6 FEET, IS ALLOWED THROUGH THE BUFFER. THIS PATH MUST REMAIN STABILIZED TO PREVENT EROSION.
   - B. PRUNING OF LIVE TREE BRANCHES THAT DO NOT EXCEED 12 FEET IN HEIGHT ABOVE THE GROUND LEVEL IS PERMITTED PROVIDED THAT AT LEAST THE TOP TWO-THIRDS OF THE TREE CANOPY IS MAINTAINED.
   - C. NO CUTTING OF TREES IS ALLOWED EXCEPT FOR NORMAL MAINTENANCE OF DEAD, WINDBLOWN OR DAMAGED TREES.
   - D. BUFFERS ARE NOT TO BE USED FOR ALL TERRAIN VEHICLE OR VEHICULAR TRAFFIC.
5. DO NOT INSTALL CONDUIT BENEATH THE SOCCER FIELD.
6. SEE LOW VOLTAGE AND CONVIENIENCE SHCEMATIC ON DRAWING C10

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

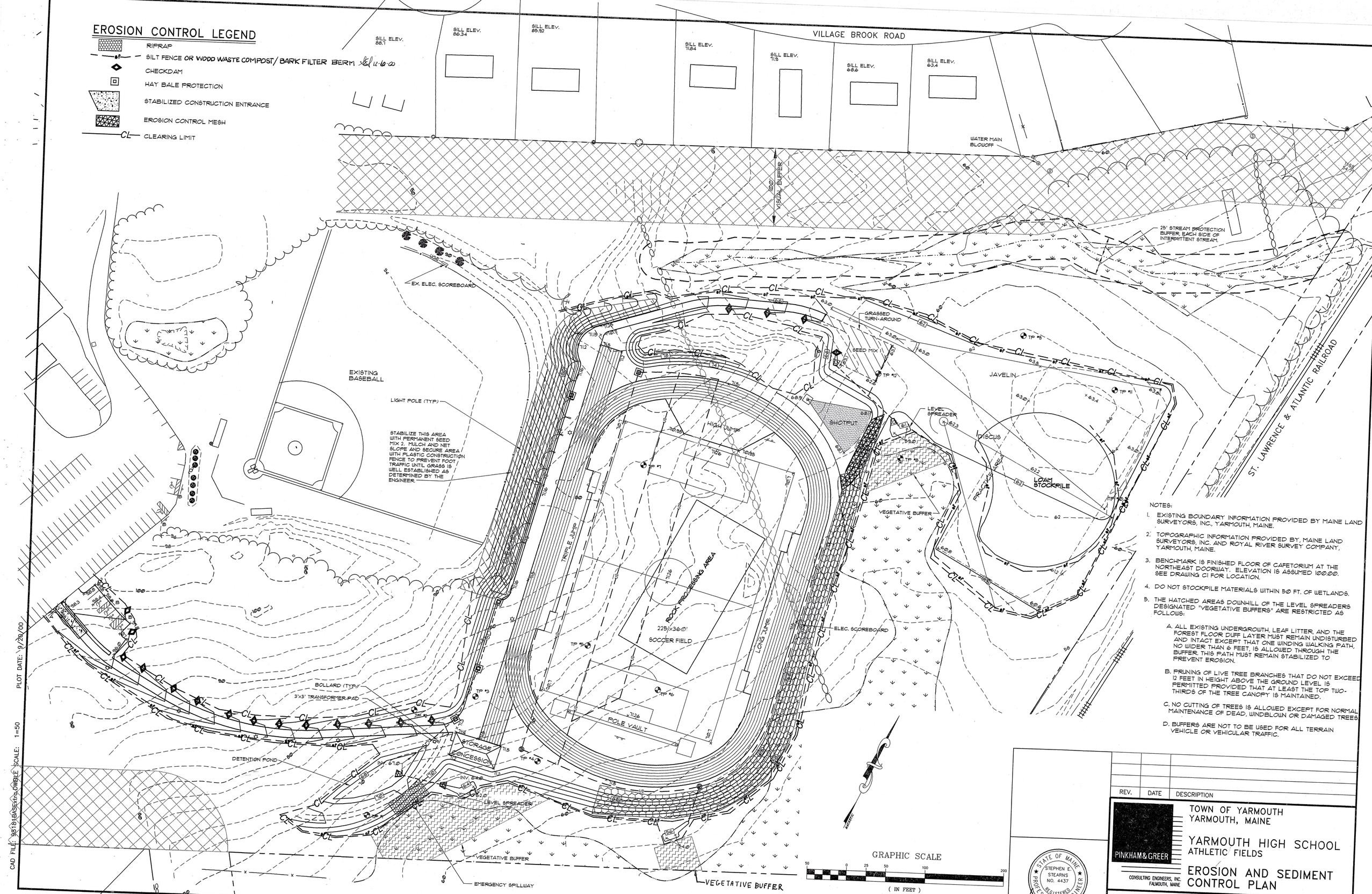
FIELD GRADING AND UTILITY PLAN

SCALE: 1"=50'	DRN BY: JLL3		C3R
DATE: DECEMBER 6, 2000	DESG BY: SES		
PROJECT: 98181	CHK BY: SES		

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

EROSION CONTROL LEGEND

- RIPRAP
- SILT FENCE OR WOOD WASTE COMPOST/ BARK FILTER BERM
- CHECKDAM
- HAY BALE PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- EROSION CONTROL MESH
- CL — CLEARING LIMIT



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 LOCATION.
4. DO NOT STOCKPILE MATERIALS WITHIN 50 FT. OF WETLANDS.
5. THE HATCHED AREAS DOWNHILL OF THE LEVEL SPREADERS DESIGNATED "VEGETATIVE BUFFERS" ARE RESTRICTED AS FOLLOWS:
   - A. ALL EXISTING UNDERGROWTH, LEAF LITTER, AND THE FOREST FLOOR DUFF LAYER MUST REMAIN UNDISTURBED AND INTACT EXCEPT THAT ONE WINDING WALKING PATH, NO WIDER THAN 6 FEET, IS ALLOWED THROUGH THE BUFFER. THIS PATH MUST REMAIN STABILIZED TO PREVENT EROSION.
   - B. PRUNING OF LIVE TREE BRANCHES THAT DO NOT EXCEED 12 FEET IN HEIGHT ABOVE THE GROUND LEVEL IS PERMITTED PROVIDED THAT AT LEAST THE TOP TWO-THIRDS OF THE TREE CANOPY IS MAINTAINED.
   - C. NO CUTTING OF TREES IS ALLOWED EXCEPT FOR NORMAL MAINTENANCE OF DEAD, WINDBLOWN OR DAMAGED TREES.
   - D. BUFFERS ARE NOT TO BE USED FOR ALL TERRAIN VEHICLE OR VEHICULAR TRAFFIC.

REV.	DATE	DESCRIPTION

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

12-21-00

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:	SEPT. 20, 2000	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

C4R

PLOT DATE: 9/20/00

SCALE: 1=50

CAD FILE: 98181BASE(Cfg.DWG)LE

EROSION CONTROL SEEDING NOTES:

A. USE PERMANENT SEED MIXES AND RATES BETWEEN 5/15 AND 9/30.

B. USE TEMPORARY SEED MIXES FOR PERIODS LESS THAN 12 MONTHS. IF USING TEMPORARY SEED MIXES AND RATES BETWEEN 10/1 AND 5/14, RE-SEED WITH PERMANENT SEED MIX AFTER 5/15.

PERMANENT SEED MIX 1:		PERMANENT SEED MIX 2:	
KENTUCKY BLUEGRASS	20.00 LBS/ACRE	PERENNIAL RYEGRASS	5.00 LBS/ACRE
CREEPING RED FESCUE	20.00 LBS/ACRE	CROWNVETCH	15.00 LBS/ACRE
PERENNIAL RYEGRASS	5.00 LBS/ACRE	TALL FESCUE	15.00 LBS/ACRE
		SWITCHGRASS	10.00 LBS/ACRE (PURE LIVE SEED)
TOTAL SEED RATE:	45.00 LBS/ACRE	TOTAL SEED RATE:	43.00 LBS/ACRE

TEMPORARY SEED:

OATS	80.00 LBS/ACRE	4/01 - 5/14
ANNUAL RYEGRASS	40.00 LBS/ACRE	
SUDANGRASS	40.00 LBS/ACRE	5/15 - 8/14
ANNUAL RYEGRASS	80.00 LBS/ACRE	5/15 - 9/14
WINTER RYE	112.00 LBS/ACRE	9/15 - 9/30
WINTER RYE (PROTECT W/ MULCH COVER)	112.00 LBS/ACRE	10/01 - 3/31

LIME AND FERTILIZER:

LIMING AND FERTILIZER RATES WILL BE BASED ON FIELD SOIL TESTING OF ON-SITE TOPSOILS BY A CERTIFIED LABORATORY. SUBMIT TEST RESULTS TO THE ENGINEER.

MULCH:

STRAW OR HAY (ANCHORED)	70 - 90 LBS/1000 SF	PROTECTED AREAS
STRAW OR HAY (ANCHORED)	185 - 275 LBS/1000 SF	WINDY AREAS
SHREDDED OR CHOPPED	185 - 275 LBS/1000 SF	
JUTE MESH	AS REQUIRED	MODERATE TO HIGH VELOCITY AREAS & STEEP SLOPES
EXCELSIOR MAT	AS REQUIRED	

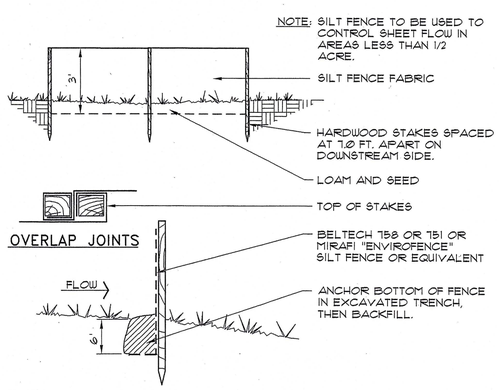
MULCH ANCHORING

ALL SLOPES GREATER THAN 15% DURING REGULAR GROWING SEASON ARE TO HAVE THE MULCH PINNED DOWN BY NETTING OR COVERED WITH COMBINATION MULCH AND NET PRODUCT. THIS REQUIREMENT IS REDUCED TO 8% SLOPES AFTER OCT. 1.

PEG AND TWINE	LIQUID ASPHALT
MULCH NETTING	WOOD CELLULOSE FIBER
ASPHALT EMULSION	CHEMICAL TACK

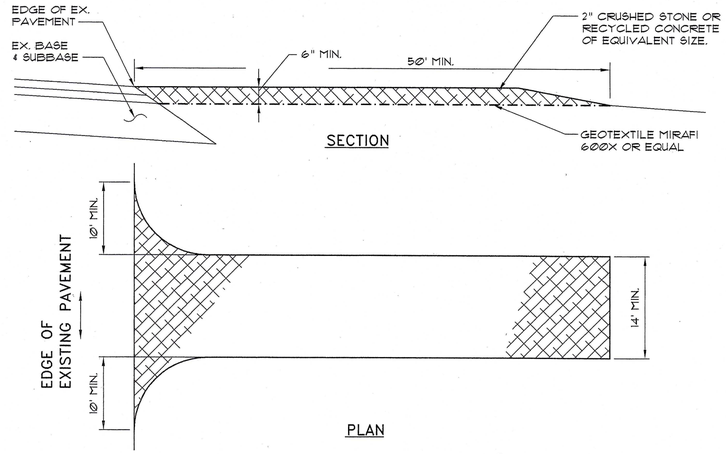
EROSION CONTROL GENERAL NOTES:

1. THE DRAWINGS DEPICT THE REQUIRED SOIL EROSION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE CONSTRUCTION SITE IN SUCH A MANNER THAT:
   A. SOIL EROSION IS KEPT TO A MINIMUM.
   B. NO SEDIMENT LEAVES THE CONSTRUCTION SITE PROPER.
   C. ALL POSSIBLE MEASURES ARE EMPLOYED TO PREVENT SEDIMENT FROM ENTERING DRAINAGE COURSES AND WETLANDS EVEN BEYOND THE DETAILS SHOWN ON THIS PLAN IF NECESSARY.
2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION BEST MANAGEMENT PRACTICES PUBLISHED BY THE CUMBERLAND COUNTY SOIL AND WATER CONSERVATION DISTRICT AND THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, MARCH 1991.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL FINES RESULTING FROM EROSION OR SEDIMENTATION FROM THE SITE TO SURROUNDING PROPERTIES, WATER BODIES, OR WETLAND AS A RESULT OF THIS PROJECT.
4. LOAM AND SEED ALL DISTURBED AREAS AS SOON AS POSSIBLE AFTER DISTURBANCE.
5. INSPECT SOIL EROSION MEASURES WEEKLY AND AFTER SIGNIFICANT STORM EVENTS. MAKE ALL NECESSARY REPAIRS TO FACILITIES AS SOON AS POSSIBLE, BUT NO LONGER THAN 2 DAYS. CLEAN AND RESET SILT FENCES AND HAY BALE BARRIERS WHICH ACCUMULATE SEDIMENT AND DEBRIS. CLEAN CATCH BASIN SUMPS ON A REGULAR BASIS.
6. PROTECT AND STABILIZE ALL AREAS NOT SCHEDULED FOR EROSION PREVENTION OR STABILIZATION BUT THAT SHOW SIGNS OF EROSION. NOTIFY OWNER OF ANY SIGNIFICANT EROSION PROBLEM.
7. TEMPORARILY SEED WITHIN 7 DAYS ANY AREA WHICH WILL BE LEFT UNDISTURBED FOR MORE THAN 14 DAYS WITH THE TEMPORARY SEED MIX LISTED. PERMANENTLY SEED ANY AREA WHICH CAN BE LOAMED AS SOON AS POSSIBLE WITH THE PERMANENT SEED MIX LISTED. DO NOT USE PERMANENT SEED MIX AFTER SEPTEMBER 15. SEE SEQUENCE OF CONSTRUCTION NOTE #2.
8. MULCH ALL AREAS SEEDED SO THAT SOIL IS NOT VISIBLE THROUGH THE MULCH REGARDLESS OF THE APPLICATION RATE. DURING THE GROWING SEASON (APRIL 15 - SEPT. 30) USE MATS (OR MULCH AND NETTING) ON:
   -THE BASE OF GRASSED WATERWAYS
   -SLOPES STEEPER THAN 15%
   -WITHIN 100 ft. OF STREAMS AND WETLANDS
   BETWEEN OCT. 1 AND APRIL 14 USE MATS (OR MULCH AND NETTING) ON:
   -SIDE SLOPES OF GRASSED WATERWAYS
   -SLOPES STEEPER THAN 8%
   INSTALL MATS (OR NETTING) IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
9. FOLLOW SILT FENCE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS FOR INSTALLATION OF SILT FENCE. SECURE ENTIRE BOTTOM OF FENCE BY BURYING BOTTOM OF FENCE IN A TRENCH. IF SOIL CONDITIONS DO NOT ALLOW THE FENCE TO BE BURIED BERMING WITH EROSION CONTROL MIX IS A SUITABLE ALTERNATIVE.
10. PLACE HAY BALE BARRIERS AROUND ALL CATCH BASINS AND MAINTAIN UNTIL ADJACENT AREAS ARE PAVED OR VEGETATED.
11. ALL TOPSOIL STRIPPED FROM THE SITE SHALL REMAIN ON THE SITE FOR REUSE. SEED LOAM STOCKPILE WITH TEMPORARY SEED MIX AND MULCH. ERECT SILT FENCE DOWN SLOPE OF LOAM STOCKPILES.
12. SEE SHEET C9R FOR SEQUENCE OF CONSTRUCTION.
13. SEE SHEET C11 FOR WINTER EROSION CONTROL NOTES.



3 SILT FENCE DETAIL

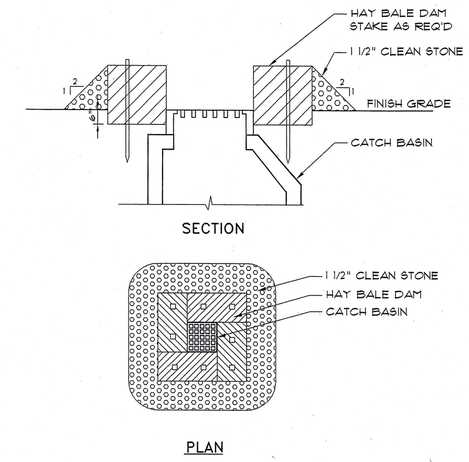
NOT TO SCALE



NOTES:
1. MAINTAIN ENTRANCE IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO THE PARKING LOT. IF WASHING IS REQUIRED PREVENT SEDIMENT FROM ENTERING WATERWAYS, DITCHES OR STORM DRAINS.

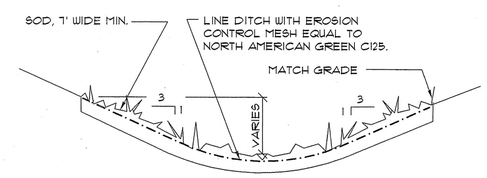
2 STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE



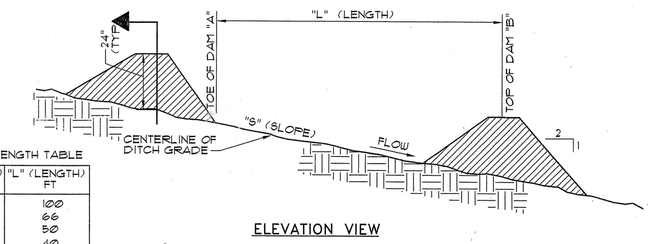
1 CATCH BASIN PROTECTION

NOT TO SCALE



5 GRASS DITCH SECTION

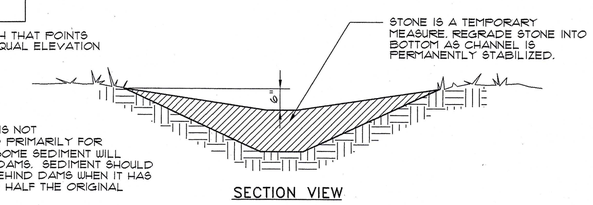
NOT TO SCALE



SLOPE & LENGTH TABLE

"S" (SLOPE) FT/FT	"L" (LENGTH) FT
0.020	100
0.030	66
0.040	50
0.050	40
0.080	25
0.100	20
0.120	17
0.150	13

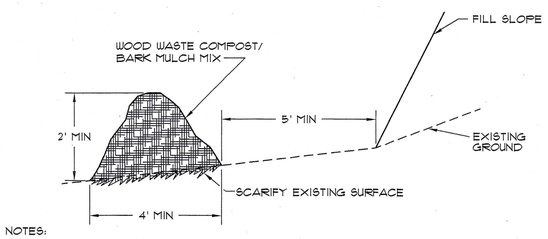
L= THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION



NOTES:
1. WHILE THIS PRACTICE IS NOT INTENDED TO BE USED PRIMARILY FOR SEDIMENT TRAPPING, SOME SEDIMENT WILL ACCUMULATE BEHIND DAMS. SEDIMENT SHOULD BE REMOVED FROM BEHIND DAMS WHEN IT HAS ACCUMULATED TO ONE HALF THE ORIGINAL HEIGHT OF THE DAM.
2. STONE: 2"-3" CRUSHED STONE (MDOT 703.31)

4 STONE CHECK DAM DETAIL

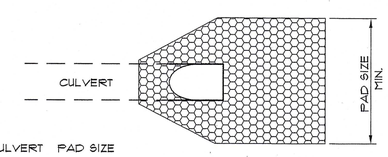
NOT TO SCALE



NOTES:
1. WOOD WASTE COMPOST/BARK MULCH MIX: A WELL GRADED BLEND OF ORGANIC AND MINERAL SUBSTANCE PRODUCED BY GRINDING STUMPS AND ROOTS INTO SMALL SHREDS (6" LONG x 1/2" IN DIA.). THE OBJECTIVE IS A TIGHT, HEAVY, NON-ERODIBLE MIXTURE THAT CONFORMS TO THE FOLLOWING STANDARDS:
   A. MOISTURE CONTENT: 30 - 60%
   B. pH: 5.0 - 8.0
   C. SCREEN SIZE: 100% LESS THAN 3", 70% MAXIMUM LESS THAN 1"
   D. ORGANIC MATERIAL: NO LESS THAN 40% (DRY WEIGHT) BY LOSS OF IGNITION
   E. MAXIMUM STONE SIZE: 2"
   F. UNACCEPTABLE MINERAL SUBSTANCES: SILTS, CLAYS, SUGAR SANDS
2. WHEREVER POSSIBLE SCARIFY THE EXISTING SURFACE BEFORE PLACING THE BERM.
3. WOOD WASTE COMPOST/BARK FILTER BERMS MAY BE USED IN LIEU OF SILT FENCE. REINFORCE BERM WITH SILT FENCE IN THE FOLLOWING LOCATIONS:
   A. WITHIN 25 FEET OF WETLANDS AND LOW POINTS ALONG THE BERM.
   B. BELOW LEVEL SPREADERS AND CULVERT APRONS
   C. WHEREVER THERE IS A BLOWOUT.
   D. AT THE BOTTOM OF STEEP SLOPES EXCEEDING 50 FEET IN LENGTH FROM TOP TO BOTTOM (LARGE UPGRADIENT WATERSHED).
   E. WHERE USED AROUND CATCH BASINS AND INLETS TO CLOSED STORM DRAIN SYSTEMS.
4. REPAIR ALL DAMAGED SECTIONS OF BERM IMMEDIATELY BY REPLACING OR ADDING ADDITIONAL MATERIAL PLACED ON TOP OF THE BERM TO THE DESIRED HEIGHT.
5. REPLACE SECTIONS OF BERM THAT DECOMPOSE, BECOME CLOGGED WITH SEDIMENT OR OTHERWISE BECOME INEFFECTIVE.
6. WHEN PERMANENT EROSION CONTROL MEASURES ARE ESTABLISHED EITHER REMOVE THE BERM OR SPREAD THE EROSION CONTROL MIX OVER THE GROUND IN A THIN LAYER. THE ORIGINAL GROUND SURFACE DUFF OR VEGETATION SHOULD BE VISIBLE IN PLACES THROUGH THE LAYER.

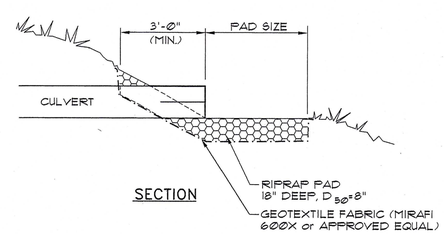
7 WOOD WASTE COMPOST/BARK FILTER BERM

NOT TO SCALE



CULVERT	PAD SIZE
4"ϕ	4'x4'
15"ϕ	5'x5'
18"ϕ	6'x6'
24"ϕ	7'x7'

PLAN



6 RIPRAP PIPE END DETAIL

NOT TO SCALE

REV.	DATE	DESCRIPTION

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

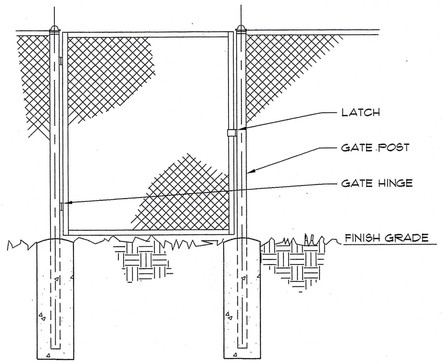
EROSION CONTROL NOTES AND DETAILS

STATE OF MAINE
STEPHEN E. STEARNS
NO. 4437
REGISTERED PROFESSIONAL ENGINEER
12-19-00

SCALE:	AS SHOWN	DRN BY:	BLD
DATE:	DEC. 19, 2000	DESG BY:	SES
PROJECT:	98181	CHK BY:	SES

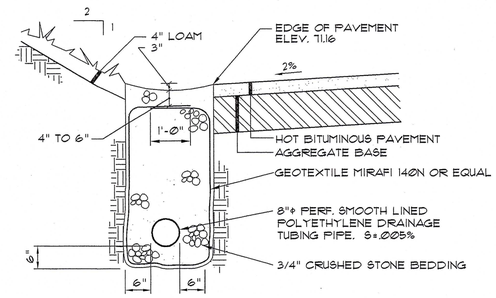
C5R

PLOT DATE: 12/19/00
FILE SCALE: 1=10
CAD FILE: DETAILS



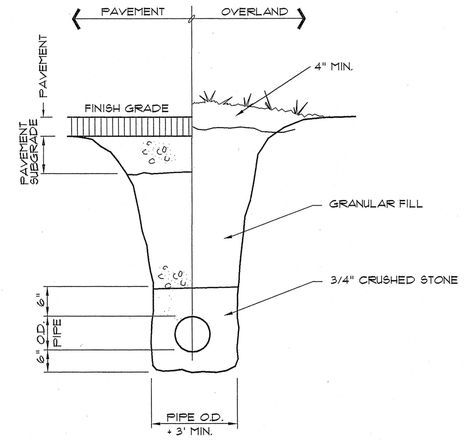
4 CHAINLINK FENCE SINGLE LEAF GATE

NOT TO SCALE



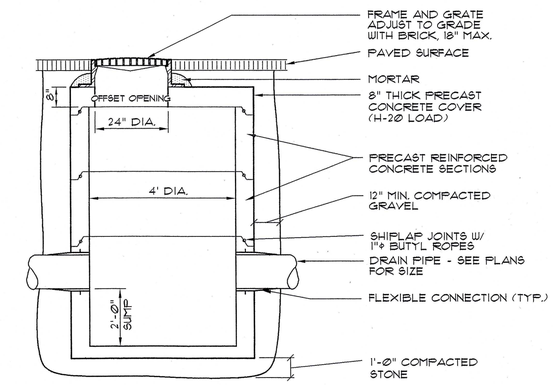
3 TRENCH DRAIN WEST SIDE OF TRACK

NOT TO SCALE



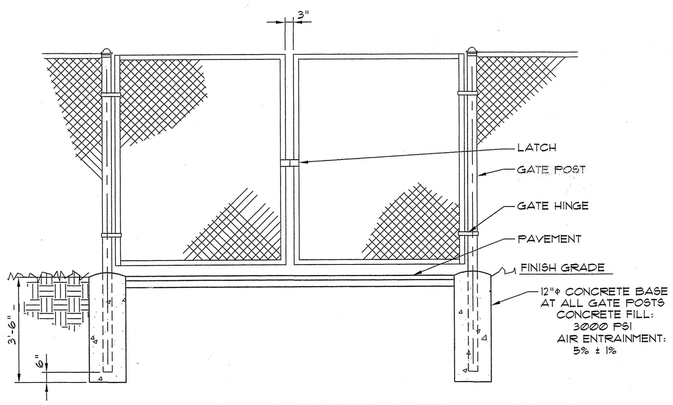
2 TYPICAL PIPE TRENCH SECTION

NOT TO SCALE



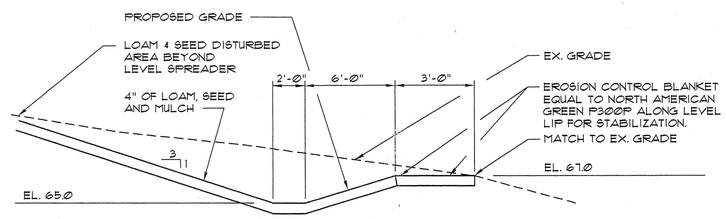
1 TYPICAL CATCH BASIN SECTION

NOT TO SCALE



7 CHAINLINK FENCE DOUBLE LEAF GATE

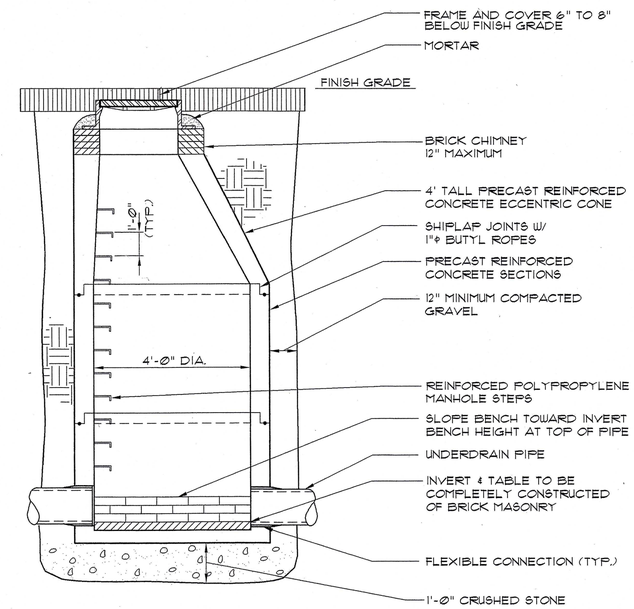
NOT TO SCALE



LEVEL SPREADER	LENGTH OF LIP (FT)
1	15
2	25
3	15

6 LEVEL SPREADER SECTION

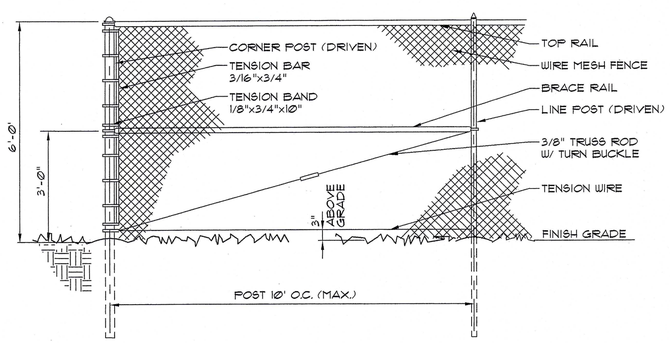
NOT TO SCALE



5 4' DIAMETER PRECAST MANHOLE SECTION

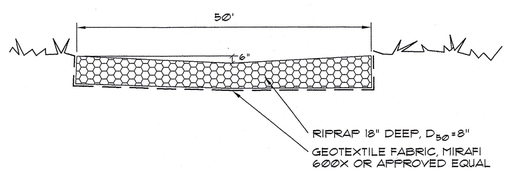
NOT TO SCALE

NOTES:
1. FABRIC, POSTS, RAILS, TENSION WIRES & BARS, AND HARDWARE TO HAVE GREEN VINYL COATING.

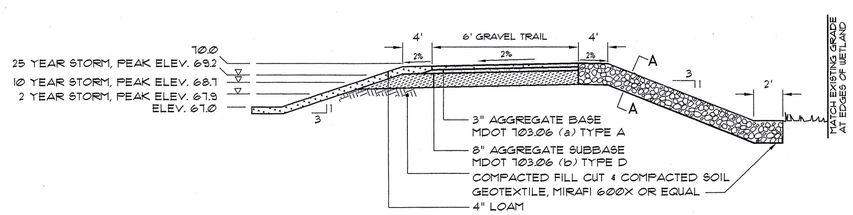


9 CHAINLINK FENCE CORNER & STRAIGHT SECTIONS

NOT TO SCALE



SECTION A–A



8 DETENTION POND AND EMERGENCY SPILLWAY SECTION

NOT TO SCALE

REV.	DATE	DESCRIPTION

PINKHAM & GREER
CONSULTING ENGINEERS, INC.
FALMOUTH, MAINE

TOWN OF YARMOUTH
YARMOUTH, MAINE

YARMOUTH HIGH SCHOOL
ATHLETIC FIELDS

DETAILS

STATE OF MAINE
STEPHEN E. STEARNS
NO. 4437
REGISTERED PROFESSIONAL ENGINEER
9-21-00

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

C6R

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