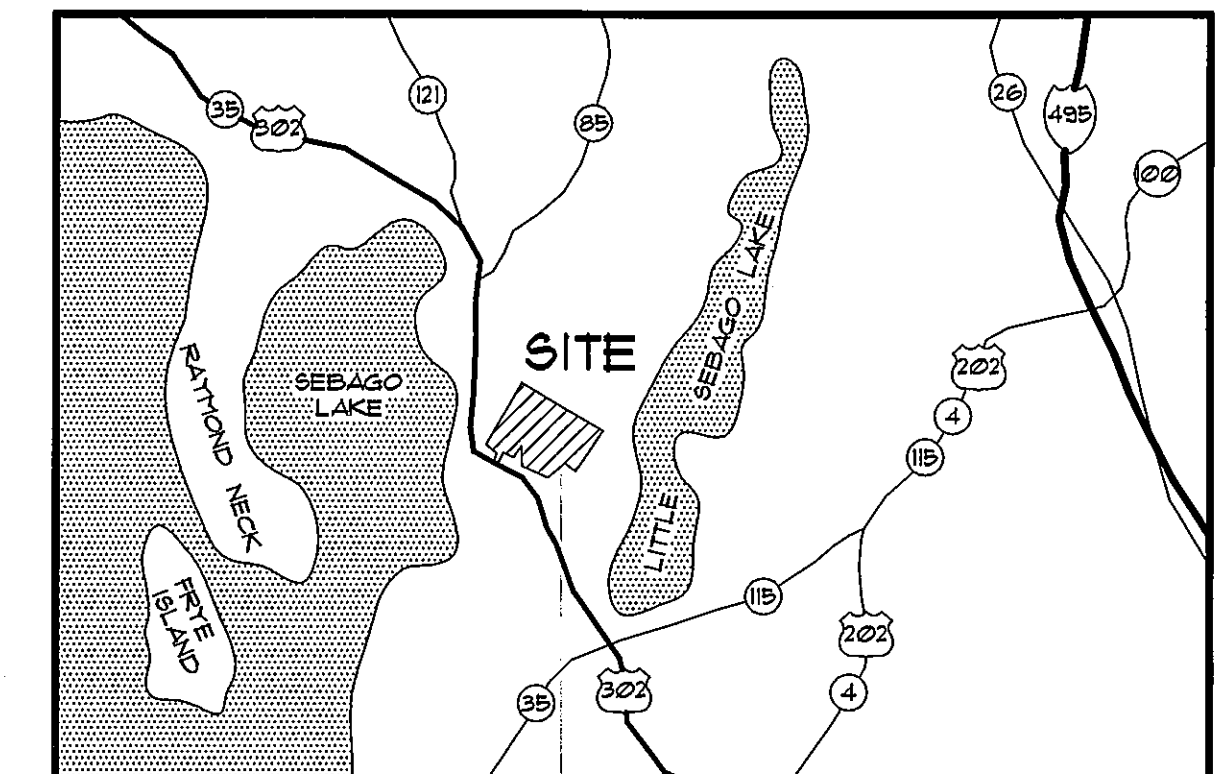
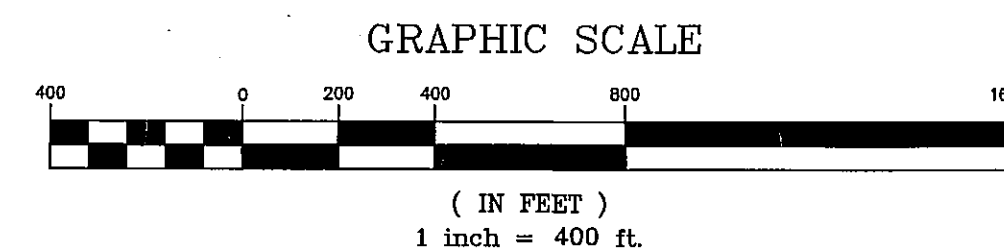
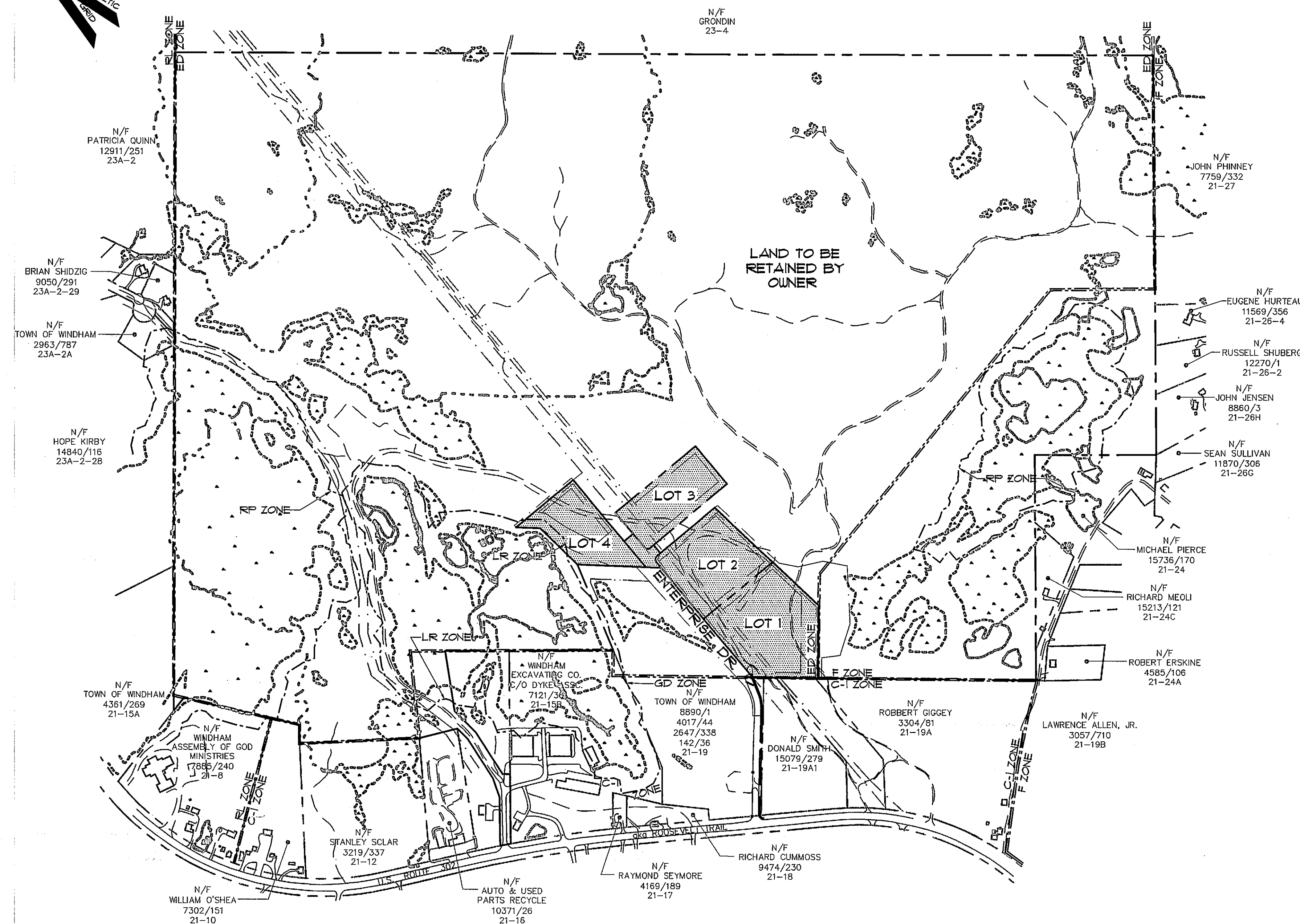
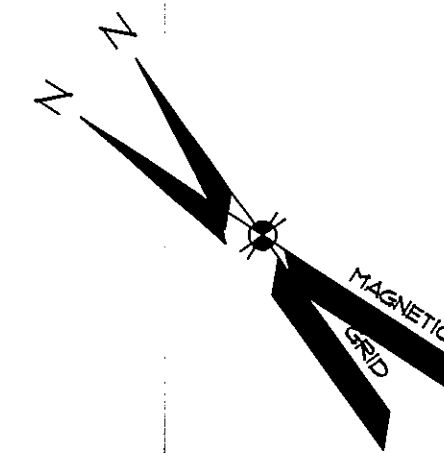


# QUARRY RIDGE BUSINESS PARK - PHASE 1A

ROUTE 302  
NORTH WINDHAM, MAINE

## LEGEND (TYPICAL ALL SHEETS)

EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY/ROW	---
---	SETBACK	---
---	EASEMENT	---
---	CENTERLINE	---
---	MONUMENT	---
---	IRON PIPE/ROD	---
---	DRILLHOLE	---
---	CURVE/LINE NO.	---
---	BUILDING	---
---	EC BLANKET	---
---	WETLANDS	---
---	EDGE WETLAND	---
---	SIGN	---
---	STREAM	---
---	ROCK OUTCROP	---
---	EDGE PAVEMENT	---
---	GRAVEL ROAD	---
---	CURBLINE	---
---	EDGE WATER	---
---	TREELINE	---
---	TEST PIT PASSED	---
---	TEST PIT FAILED	---
---	MONITORING WELL	---
---	BORING	---
---	CONTOURS	---
---	GAS	---
---	WATER	---
---	SEWER	---
---	STORM DRAIN	---
---	FORCE MAIN	---
---	UNDERDRAIN	---
---	OVERHEAD ELEC. 4 TEL.	---
---	UNDERGROUND ELEC. 4 TEL.	---
---	TRANSFORMER PAD	---
---	ELEC JUNCTION BOX	---
---	GATE VALVE	---
---	LIGHT POLE	---
---	UTILITY POLE	---
---	HYDRANT	---
---	CATCH BASIN	---
---	MANHOLE	---
---	POTABLE WELL	---
---	CULVERT	---
---	SPOT GRADE	---
---	CHAIN LINK FENCE	---
---	BARB WIRE FENCE	---
---	STOCKADE FENCE	---
---	STONE WALL	---
---	DECIDUOUS TREE	---
---	CONIFEROUS TREE	---
---	SILT FENCE	---
---	GUARDRAIL	---
---	RAILROAD	---
---	SOILS BOUNDARY	---
---	ZONE LINE	---
---	BENCHMARK	---
---	SURVEY CONTROL	---
---	RIPRAP	---
---	EXISTING FIRM FLOODPLAIN LIMITS	---
---	LOMR BASE FLOOD ELEVATIONS	---
---	LOMR FLOODPLAIN LIMITS	---



LOCATION MAP SCALE: 1"=2 MILES

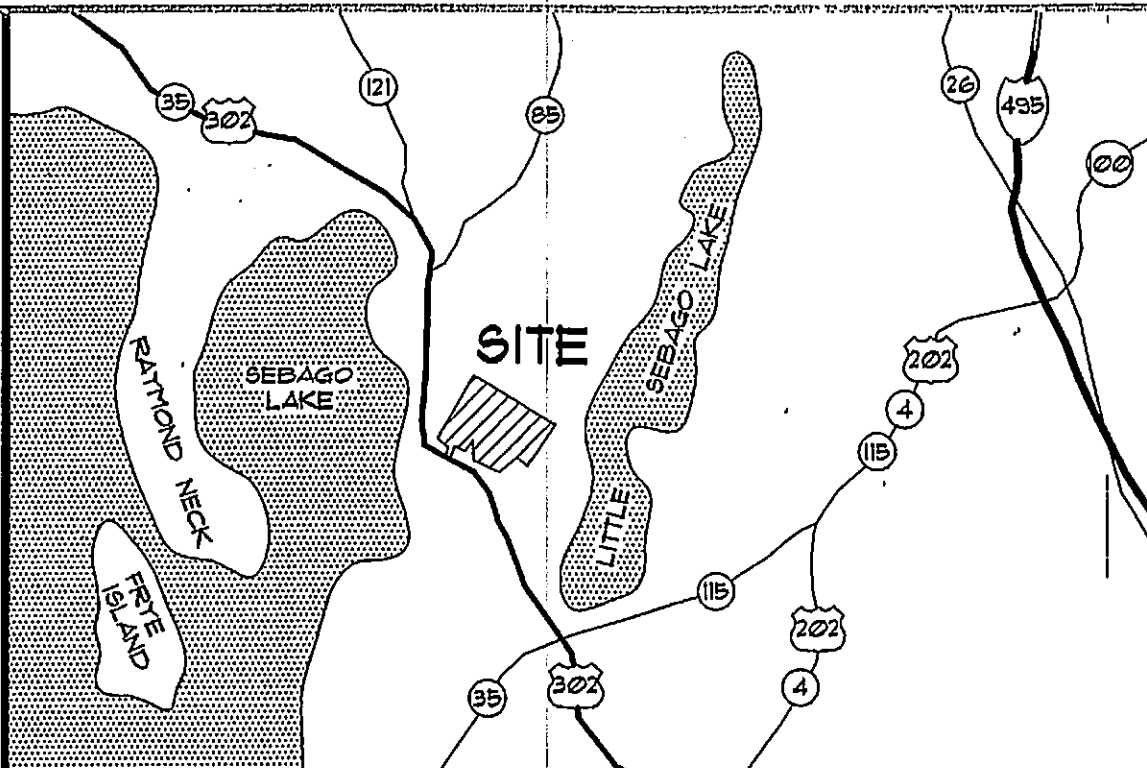
OWNER/APPLICANT:  
**ROBERT J. GRONDIN JR.**  
P. O. BOX 869  
RAYMOND, MAINE 04071

ENGINEER/SURVEYOR:

**Sebago Technics**  
Engineering Expertise You Can Build On  
One Chabot Street  
Westbrook, Me 04098-1339  
Tel (207) 856-0277

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	OVERALL SUBDIVISION PLAN
3	SUBDIVISION PLAN
4	GRADING AND UTILITY PLAN
5	GRADING AND UTILITY PLAN
6	PROFILE: ENTERPRISE DRIVE (STA. -2+05.55 TO STA. 10+50.55)
7	DETENTION POND SECTIONS
8	DETAILS





SCALE: 1"=2 MILES

- THE RECORD OWNER OF THE PARCEL IS ROBERT J. GRONDIS BY DEED DATED APRIL 19, 2022 AND RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 118-41 PAGE 2.
2. THE PROPERTY IS LOCATED ON THE TOWN OF WINDHAM TAX MAPS AS MAP 21 LOT 13, 15 AND 23-4 AND IS LOCATED IN THE ENTERPRISE DEVELOPMENT DISTRICT.
3. 6PAGE AND BULK CRITERIA FOR THE ENTERPRISE DEVELOPMENT DISTRICT:
- |                           |  |
|---------------------------|--|
| MIN. LOT SIZE:            | 20,000 SQ. FT. FOR EVERY 300-GAL. OF WATER USAGE |
| MIN. STREET FRONTAGE:     | 100 FT.  |
| MIN. FRONT YARD:          | 40 FT. (NO PARKING)                              |
| MIN. SIDE YARD:           | 30 FT.   |
| MIN. REAR YARD:           | 30 FT.   |
| MAX. IMPERVIOUS COVERAGE: | 75%  |
| MAX. BUILDING COVERAGE:   | 50%  |
4. TOTAL AREA OF PARCEL: 442,071 AC.
5. TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED UPON AERIAL MAPPING BY J.M. SEWALL CO. IN APRIL, 1988, PREPARED AND SUBMITTED BY SEBAGO TECHINCS, INC.
6. PLAN REFERENCES:
- A. COLONIAL PARK SECTION III, MADE FOR STANLEY QUINN, JR., DATED MAY 28, 1974, AND RECORDED IN THE CORD IN PLAN BOOK 193 PAGE 40.
- B. PLAN OF LINDSEY DENVERSON, ESTATE, BY WHITMAN & HOWARD, DATED AUGUST 24 1971, AND RECORDED IN THE CORD IN PLAN BOOK 176 PAGE 41.
- C. SURVEY FOR NORTHERN NEW ENGLAND DISTRICT ASSEMBLIES OF GOD IN NORTH WINDHAM, MAINE, BY JOHN PALMITER, DATED DECEMBER 1971, AND RECORDED IN THE CORD IN PLAN BOOK 174.
- D. SITE PLAN OF WINDHAM BUSINESS PARK, FOR WINHAM EXCAVATING CO., DATED JUNE 30, 1986, AND RECORDED IN THE CORD IN PLAN BOOK 186 PAGE 48.
- E. SURVEY OF LAND AND TRUSTS, BY RONALD KENISON, DATED JULY 1, 1932, AND RECORDED IN THE CORD IN PLAN BOOK 192 PAGE 266.
- F. STANDARD BOUNDARY SURVEY PORTION OF THEODORE PIERCE & DAVID DAVIDSON FARM, FOR THEODORE PIERCE, DATED JULY 16, 1933 AND RECORDED IN THE CORD IN PLAN BOOK 186 PAGE 263.
- G. OLD PLAN OF WINDHAM, MAINE BY ISLEY, & CUMINGS, RECORDED IN PLAN BOOK 2 PAGE 13.
- H. MAINE STATE HIGHWAY COMMISSION RIGHT OF WAY MAP, FEED, AID PROJ. NO F-214-1(3), S.H.C. FILE NO 3-34, DATED JULY 1954.
- I. SITE PLAN OF LAND TO BE TRUSTED PREPARED BY ALBERT BOZENET, JR. BY SEBAGO TECHINCS, INC., DATED OCTOBER 4, 1934, STI # 9447B.
- J. PLAN OF PROPERTY OF A PORTION OF WINDHAM PROPERTIES LAND FOR WINDHAM PROPERTIES, C/O R. J. GRONDIS & SONS, DATED APRIL 12, 1935, STI # 9853B.
- K. STANDARD BOUNDARY SURVEY OF ROBERT J. GRONDIS & SONS, BY DONALD SMITH, BY SEBAGO TECHINCS, INC., LAST REVISED OCTOBER 18, 1935, STI # 93020B.
- L. STANDARD BOUNDARY SURVEY FOR SHIRLEY COMMISS, BY SEBAGO TECHINCS, INC., DATED 1935, STI # 86069B.
- M. STANDARD BOUNDARY SURVEY OF A PORTION OF S. D. WARREN LAND FOR R. J. GRONDIS & SONS, BY SEBAGO TECHINCS, INC., DATED AUGUST 30, 1993.

1. THE PROJECT IS TO BE SERVICED BY PUBLIC WATER AND SUBSURFACE DISPOSAL SYSTEMS MEETING THE REQUIREMENTS OF THE MAINE STATE PLUMBING CODE.
2. WETLAND INFORMATION PROVIDED BY SEBAGO TECHNICS, INC., BASED UPON AERIAL TOPOGRAPHIC MAPPING BY M.W. SEWALL CO. IN APRIL, 1988, SUPPLEMENTED WITH GROUND SURVEY BY SEBAGO TECHNICS, INC.
3. THE ENTIRE SITE SHALL BE DEVELOPED AND MAINTAINED AS DEPICTED ON THE SITE PLAN IN CONFORMANCE WITH ANY CONDITIONS ATTACHED BY THE PLANNING BOARD. APPROVAL BY THE TOWN PLANNER SHALL BE REQUIRED FOR ANY MINOR ALTERATIONS TO OR DEVIATIONS FROM THE APPROVED SITE PLAN, INCLUDING, WITHOUT LIMITATION, TOILETS, SEWAGE, DRAINAGE, LANDSCAPING, RETENTION OF WOODED OR LAWN AREAS, ACCESS, UTILITIES, SIZE, LOCATION AND SURFACING OF PARKING AREAS, AND LOCATION & SIZE OF BUILDINGS.
10. BUILDINGS WITHIN THE SITE PLAN SHALL BE CONSTRUCTED WITH PROVISIONS FOR EITHER OF THE FOLLOWING:
  - A. A POSITIVE FREE OUTLET FOUNDATION DRAIN, WHEREBY THE FOOTING ELEVATIONS SHOULD BE SET AS ESTABLISHED BY THE BUILDER OR
  - B. ANY OTHER FOUNDATION DRAINAGE SYSTEM, SUCH AS A SUMP HOLE, WHEREBY THE BOTTOM OF THE FOOTING ELEVATION SHALL BE SET AT LEAST 12" ABOVE THE LIMITING GROUNDWATER LEVEL, AS DETERMINED BY A LICENSED SITE EVALUATOR AND APPROVED BY THE TOWN OF WINDHAM CODE ENFORCEMENT OFFICER.
11. FAILURE TO COMMENCE SUBSTANTIAL CONSTRUCTION OF A SUBDIVISION PLAN WITHIN TWO (2) YEARS OF DATE OF FINAL PLANNING BOARD APPROVAL OF THE PLAN SHALL RENDER

12. PRIOR TO THE CONSTRUCTION OF A DRIVEWAY SERVING AND USE, THE OWNERS OF THE PROPERTY MUST SECURE, IN WRITING, ALL REQUIRED PERMITS FOR A DRIVEWAY OPENING (I.E. "CURB CUT" FROM EITHER THE TOWN OF WINDHAM'S DEPARTMENT OF PUBLIC WORKS AND/OR THE STATE OF MAINE DEPARTMENT OF TRANSPORTATION) AS NECESSARY, AND SUBMIT A COPY OF SAID PERMITS AS PART OF AN APPLICATION FOR ANY FUTURE BUILDING PERMIT.

13. LOT 5 IS LAND TO BE RETAINED BY THE OWNER AND IS NOT OFFERED FOR SALE OR LEASE AS PART OF THIS SUBDIVISION. ANY DEVELOPMENT OF LOT 5 WILL REQUIRE ADDITIONAL REVIEW AND APPROVAL BY THE TOWN OF WINDHAM PLANNING BOARD AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

14. LOTS 1, 2, 3 AND 4, AS SHOWN ON THIS PLAN, WERE APPROVED BY THE PLANNING BOARD BASED ON TRAFFIC INFORMATION WITH ASSUMED BUILDING SQUARE FOOTAGES OF 15,000 SQUARE FEET PER LOT. PRIOR TO THE ISSUANCE OF ANY BUILDING PERMITS ASSOCIATED WITH THE CONSTRUCTION OF ANY BUILDING OR STRUCTURE THAT EXCEEDS 15,000 SQUARE FEET ON ANY LOT OR THE CONSTRUCTION OF ANY ADDITION TO AN EXISTING BUILDING ON

STRUCTURE THAT WOULD CAUSE THE TOTAL SQUARE FOOTAGE OF THE BUILDING OR STRUCTURE TO EXCEED 15,000 SQUARE FEET, OR WHERE THE TOTAL SQUARE FOOTAGE OF THE BUILDINGS OR STRUCTURES ON THE LOT WILL EXCEED 15,000 SQUARE FEET IF AN ADDITION OR ADDITIONAL BUILDING OR STRUCTURE ARE CONSTRUCTED, THE OWNER OR PERMIT APPLICANT SHALL SUBMIT REVISED TRAFFIC INFORMATION TO THE PLANNING BOARD

FOR THE BOARD'S REVIEW AND CONSIDERATION AS AN AMENDMENT TO THE PLANNING BOARD'S APPROVAL OF THIS SUBDIVISION. THE PLANNING BOARD MAY CONSIDER THE AMENDMENT AS A MAJOR AMENDMENT TO THE APPROVED SUBDIVISION PLAN BASED ON THE REVISED TRAFFIC INFORMATION AND MAY THEREFORE REQUIRE ADDITIONAL TRAFFIC INFORMATION AND/OR INTERSECTION IMPROVEMENTS TO ASSURE THAT ANY ADDITIONAL


TRAFFIC COUNT INCREASES THAT MAY BE CAUSED BY THE ADDITIONAL SQUARE FOOTAGE WILL NOT CAUSE A TRAFFIC SAFETY ISSUE AT THE INTERSECTION OF ENTERPRISE DRIVE AND ROUTE 302.

15. THIS PLAN AMENDS A PLAN TITLED "SUBDIVISION PLAN OF ENTERPRISE BUSINESS PARK, 0.1165 ACRES, FOR BUSINESS AND A 60' BY 30' TRUCK TRAIL, APPROVED BY THE JUDICIAL

PLANNING BOARD ON JUNE 9, 2003 AND RECORDED IN THE CUMBERLAND COUNTY  
REGISTRY OF DEEDS IN FLAN BOOK 203, PAGES 351 AND 358 ON JUNE 13, 2003.  
AMENDMENTS INCLUDE REVISED LOT LINE AND EASEMENTS ASSOCIATED WITH LOT 4; THE  
CREATION OF A 30' DRAINAGE EASEMENT TO THE TOWN OF WINDHAM ACROSS THE  
NORTHERN PROPERTY LINE OF LOT 2; AND RENAMING OF THE SUBDIVISION TO QUARRY

16. A MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (MDEP) STORMWATER PERMIT HAS BEEN ISSUED FOR THIS PROJECT PER MDEP ORDERS L-18029-NB-H-N (APPROVAL), DATED 9-23-03 AND L-18029-TA-I-N (CORRECTED ORDER), DATED 9-30-03.

G	D.I.R.	5-5-04	AMENDED SUBDIVISION PLAN (FINAL)
F	D.I.R.	4-12-04	AMENDED SUBDIVISION PLAN
E	D.I.R.	9-18-03	ISSUED FOR BID
D	D.I.R.	8-21-03	SUBMITTED FOR MDEP REVIEW
C	D.I.R.	5-13-03	SUBMITTED FOR MDEP REVIEW
B	D.I.R.	5-2-03	REVISED PER TOWN COMMENTS
A	J.H.W.	4-28-03	SUBMITTED FOR FINAL PLAN APPROVAL
NEW:	BY:	DATE:	STATUS:



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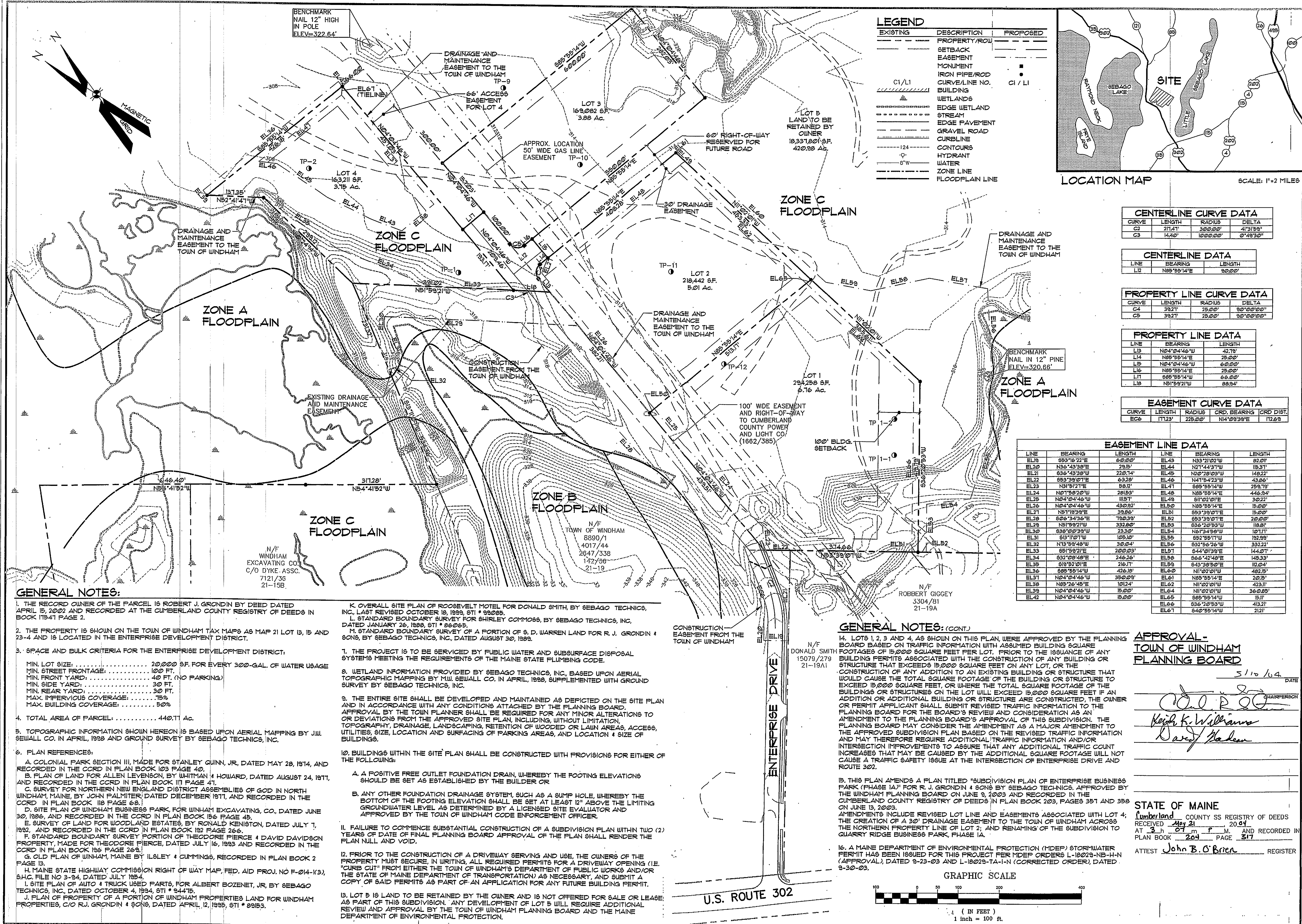
PROJECT NO.	FIELD BOOK	DESIGN	CHKD	DRAWN
89187	357		DLR	MAL

AMENDED OVERALL SUBDIVISION PLAN  
OF:  
QUARRY RIDGE BUSINESS PARK (PHASE 1A)  
ROUTE 302  
NORTH WINDHAM, MAINE  
FOR:  
R.J. GRONDIN & SONS  
11 BARTLETT ROAD  
GORHAM, MAINE 04038  
RECORD OWNER:  
SEE NOTE 1.

DATE	SCALE
4-07-03	1"=250'

SHEET 2 OF 8





AMENDED SUBDIVISION PLAN (FINAL)

OF: QUARRY RIDGE BUSINESS PARK (PHASE 1A)

ROUTE 302 NORTH WINDHAM, MAINE

FOR: R.J. GRONDI & SONS

11 BARTLETT ROAD GORHAM, MAINE 04038

DATE: 4-07-03 SCALE: 1"=100'

SHEET 3 OF 8

RECORD OWNER: SEE NOTE 1.

PROJECT NO. FIELD BOOK DESIGN CHKD. DRAWN DLR. MAL. 89187 357

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Westbrook, ME 04090-1339  
Tel (207) 856-0277

APPROVAL - TOWN OF WINDHAM PLANNING BOARD

5/10/04 DATE

CHAIRPERSON

John K. Williams

Davey Haden

STATE OF MAINE

Cumberland COUNTY SS REGISTRY OF DEEDS

RECEIVED May 21, 2004

AT 3 h 07 m P.M. AND RECORDED IN PLAN BOOK 264 PAGE 317

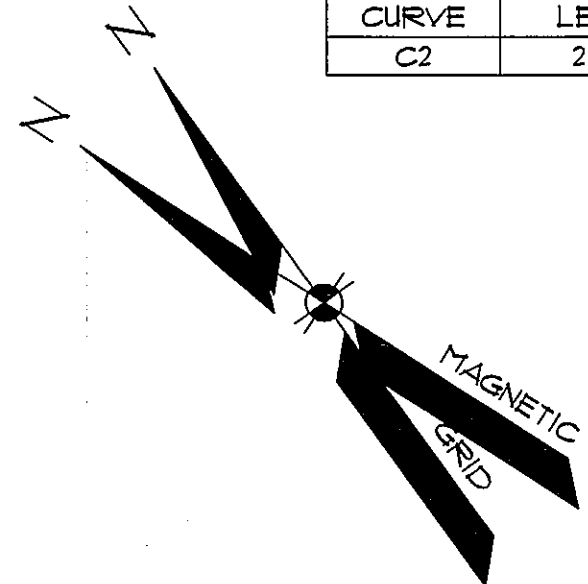
ATTEST John B. O'Brien REGISTER



# LEGEND

EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY/ROW	---
---	SETBACK	---
---	EASEMENT	---
---	CENTERLINE	---
---	WETLANDS	---
---	EDGE WETLAND	---
---	EDGE PAVEMENT	---
---	GRAVEL ROAD	---
---	CURBLINE	---
---	TREELINE	---
---	CONTOURS	---
---	WATER	---
---	STORM DRAIN	---
---	OVERHEAD ELEC. 4 TEL.	---
---	UNDERGROUND ELEC. 4 TEL.	---
---	LIGHT POLE	---
---	UTILITY POLE	---
---	HYDRANT	---
---	CATCH BASIN	---
---	CULVERT	---
---	SPOT GRADE	---
---	SILT FENCE	---
---	RIPRAP	---

CENTERLINE CURVE DATA			
CURVE	LENGTH	RADIUS	DELTA
C2	211.41'	300.00'	41°31'59"



MATCH LINE

SEE SHEET 5

INV. OUT=309.77

INV. OUT=309.91

INV. OUT=310.68

INV. OUT=310.89

INV. IN=312.03

INV. OUT=312.85

INV. IN=313.0

INV. IN=313.0

INV. IN=313.0

INV. IN=313.0

INV. IN=313.0

INV. IN=313.0

INV. IN=313.0

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INV. IN=313.0

INV. IN=313.0

INV. IN=313.0

GRAPHIC SCALE



1 inch = 40 ft.

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

FC = -2425.55

GRADING AND UTILITY PLAN - 1  
OF:  
QUARRY RIDGE BUSINESS PARK (PHASE 1A)  
ROUTE 302  
NORTH WINDHAM, MAINE  
FOR:  
R.J. GRONDIN & SONS  
11 BARTLETT ROAD  
GORHAM, MAINE 04038

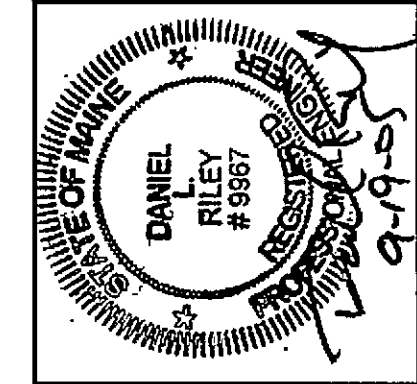
DATE	SCALE
4-17-03	1"=40'

SHEET 4 OF 8

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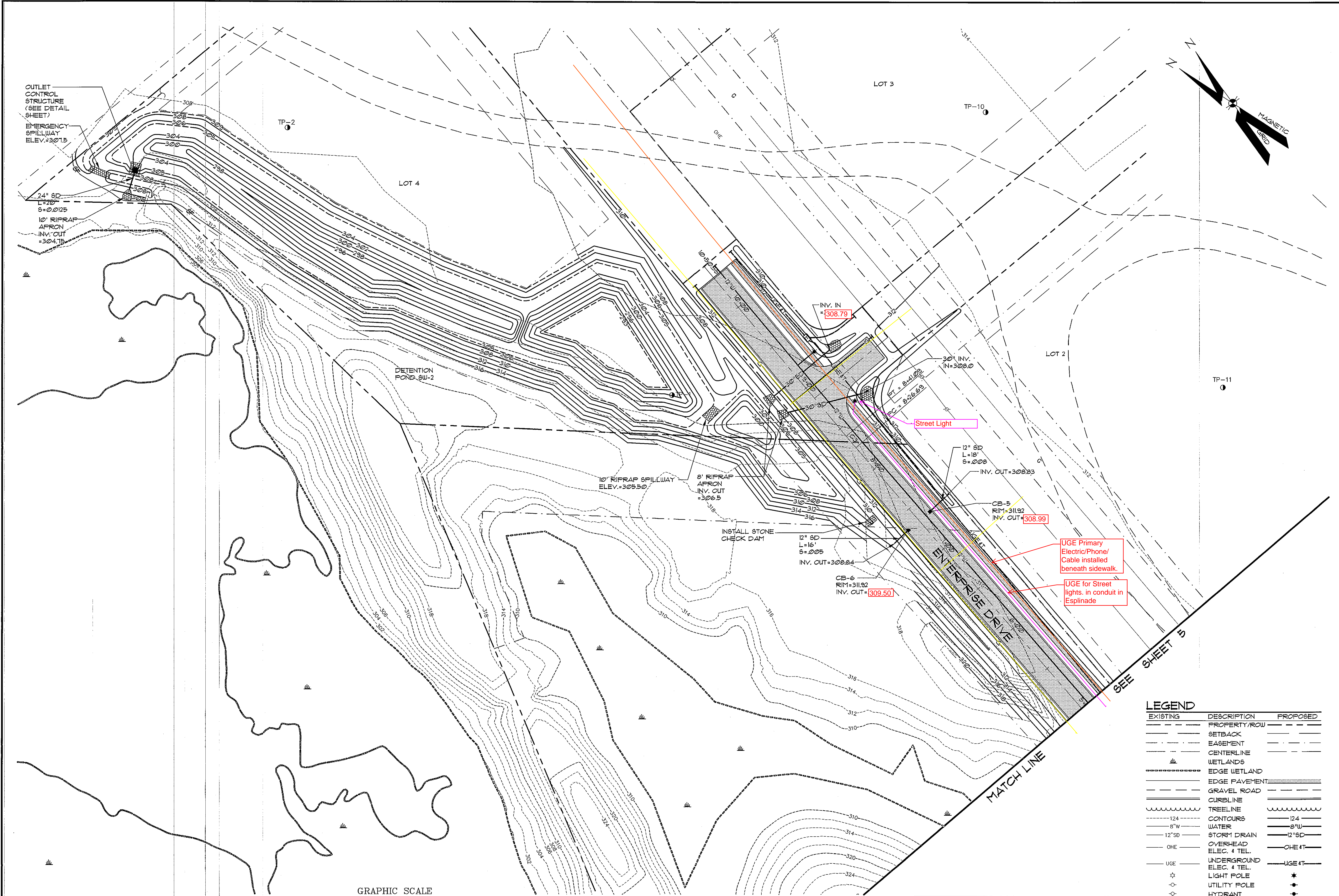
PROJECT NO.	FIELD BOOK	DESIGN	CHKD	DRAWN
89187	357	DLR	DLR	MAL

REV.	BY:	DATE:	STATUS:
9-19-05	DLR	9-19-05	REVISED PER MDEP REVIEW COMMENTS
4-22-05	DLR	4-22-05	SUBMITTED FOR MDEP SITE LOCATION REVIEW
4-12-04	DLR	4-12-04	AMENDED SUBDIVISION PLAN
9-18-03	DLR	9-18-03	ISSUED FOR BID
8-21-03	DLR	8-21-03	REVISED PER MDEP REVIEW
5-15-03	DLR	5-15-03	SUBMITTED FOR MDEP PLAN APPROVAL
4-28-03	JHW	4-28-03	SUBMITTED FOR FINAL PLAN APPROVAL



DATE: 9-19-05





OUTLET  
CONTROL  
STRUCTURE  
(SEE DETAIL  
SHEET)  
EMERGENCY  
SPILLWAY  
ELEV.=307.15  
24" SD  
L=10'  
S=0.0125  
10' RIPRAP  
APRON  
INV. OUT  
=304.15

TP-2

LOT 4

DETENTION  
POND SW-2

10' RIPRAP SPILLWAY  
ELEV.=305.50

8' RIPRAP  
APRON  
INV. OUT  
=306.5

INSTALL STONE  
CHECK DAM

12" SD  
L=16'  
S=0.005  
INV. OUT=308.84

CB-6  
RIM=311.32  
INV. OUT=309.50

INV. IN  
=308.79

30" INV.  
IN=308.0

12" SD  
L=10'  
S=0.008  
INV. OUT=308.33

CB-5  
RIM=311.32  
INV. OUT=308.99

Street Light

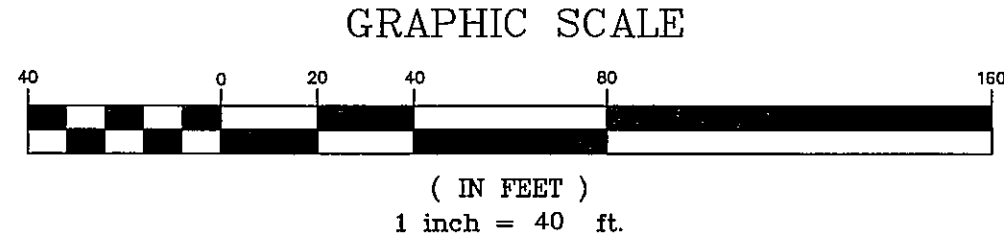
UGE Primary  
Electric/Phone/  
Cable installed  
beneath sidewalk

UGE for Street  
lights in conduit in  
Esplanade

### LEGEND

EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY/ROW	---
---	SETBACK	---
---	EASEMENT	---
---	CENTERLINE	---
---	WETLANDS	---
---	EDGE WETLAND	---
---	EDGE PAVEMENT	---
---	GRAVEL ROAD	---
---	CURBLINE	---
---	TREELINE	---
---	CONTOURS	---
---	WATER	---
---	STORM DRAIN	---
---	OVERHEAD ELEC. & TEL.	---
---	UNDERGROUND ELEC. & TEL.	---
---	LIGHT POLE	---
---	UTILITY POLE	---
---	HYDRANT	---
---	CATCH BASIN	---
---	CULVERT	---
---	SPOT GRADE	---
---	SILT FENCE	---
---	RIPRAP	---

CENTERLINE CURVE DATA			
CURVE	LENGTH	RADIUS	DELTA
C3	14.40'	1000.00'	0°49'30"



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Tel: (207) 656-0277

PROJECT NO. 89187

FIELD BOOK

DESIGN

CHKD

DRAWN

MAL

DATE: 4-17-03

SCALE: 1"=40'

SHEET 5 OF 8

89187GUB

9-19-03  
4-22-04  
4-12-04  
9-18-03  
8-21-03  
5-18-03  
4-28-03

DLR  
DLR  
DLR  
DLR  
DLR  
DLR  
JHW

REV.

DATE

STATUS

REVISED PER MDEP REVIEW COMMENTS

SUBMITTED FOR MDEP SITE LOCATION REVIEW

AMENDED SUBDIVISION PLAN

ISSUED FOR BID

REVISED PER MDEP REVIEW

SUBMITTED FOR MDEP REVIEW

SUBMITTED FOR FINAL PLAN APPROVAL

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

QUARRY RIDGE BUSINESS PARK (PHASE 1A)

ROUTE 302

NORTH WINDHAM, MAINE

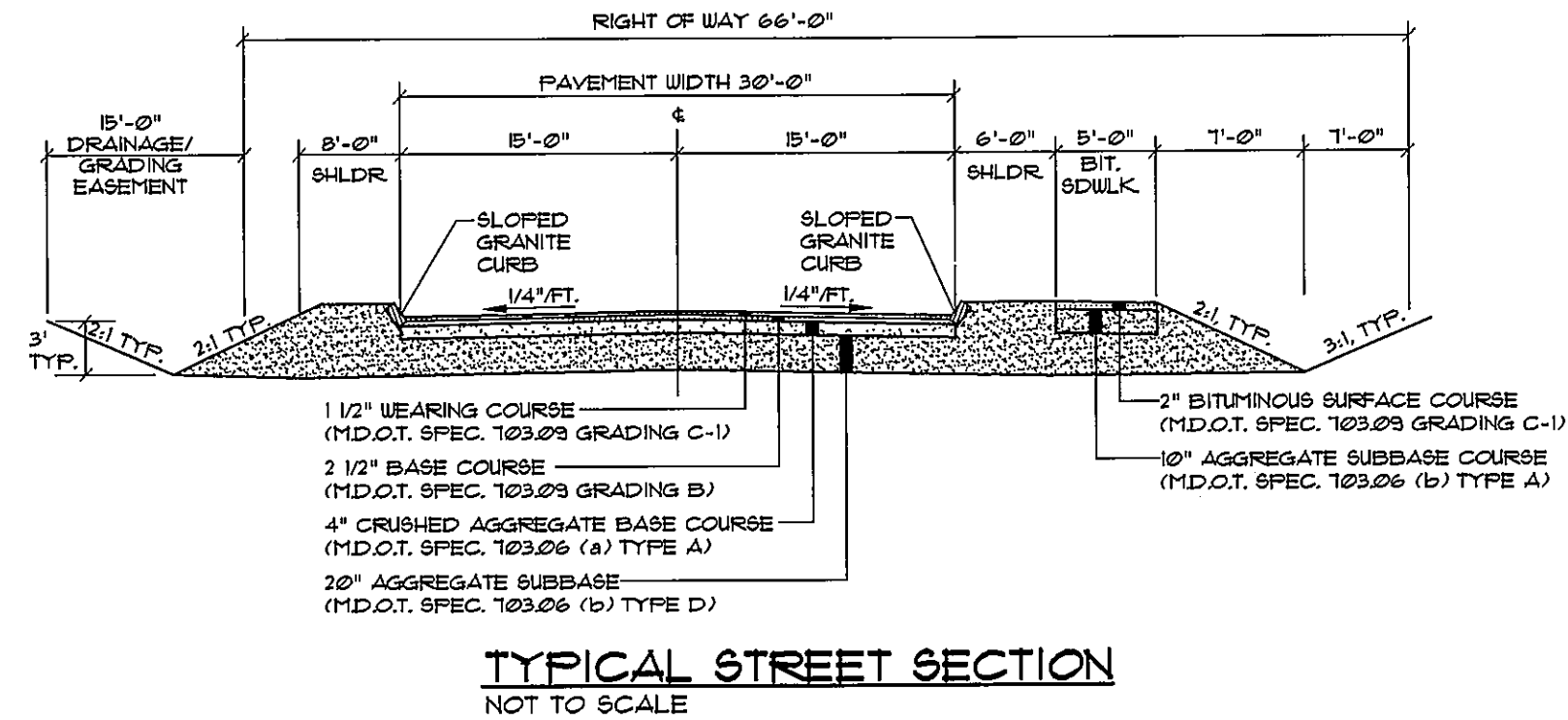
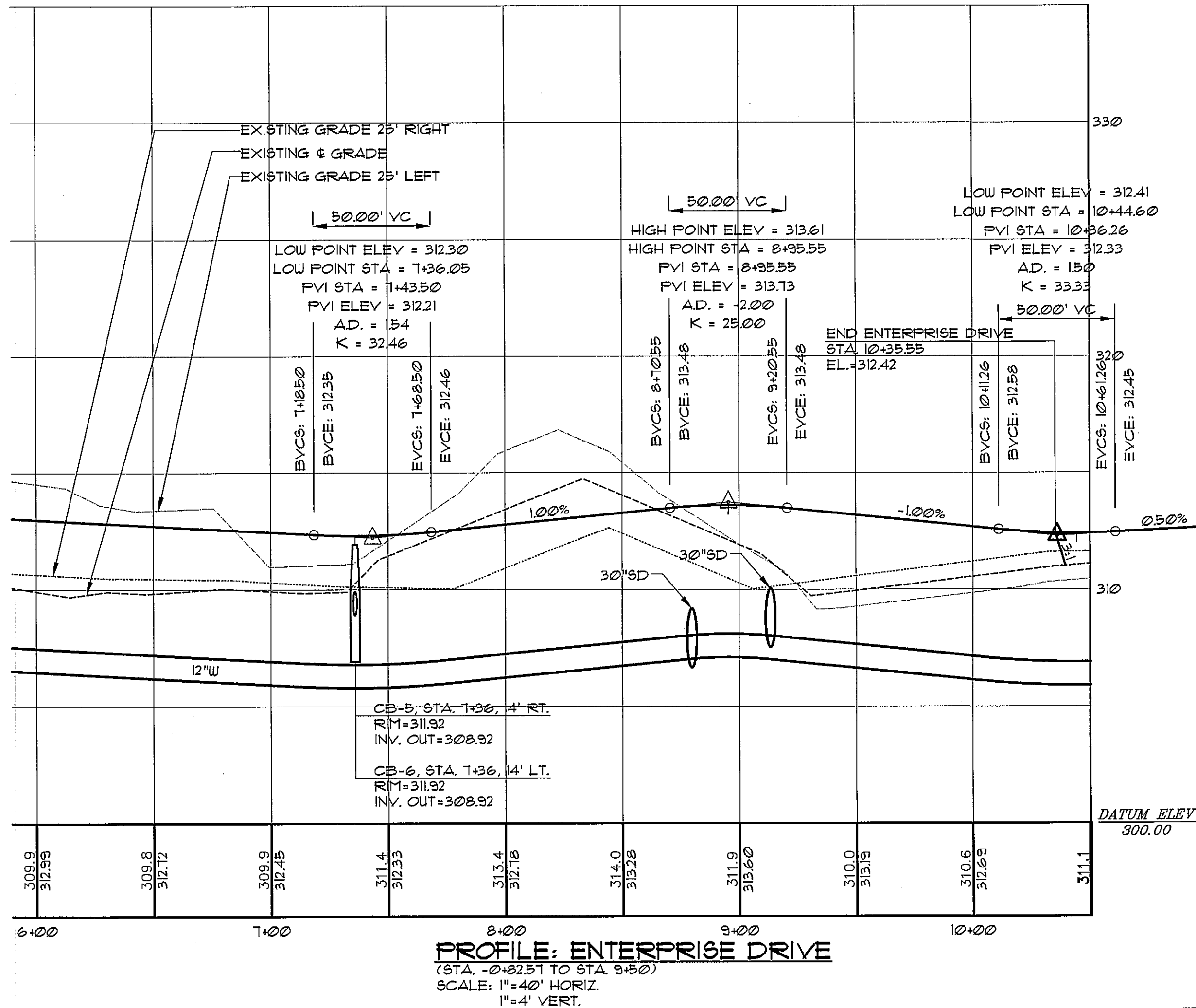
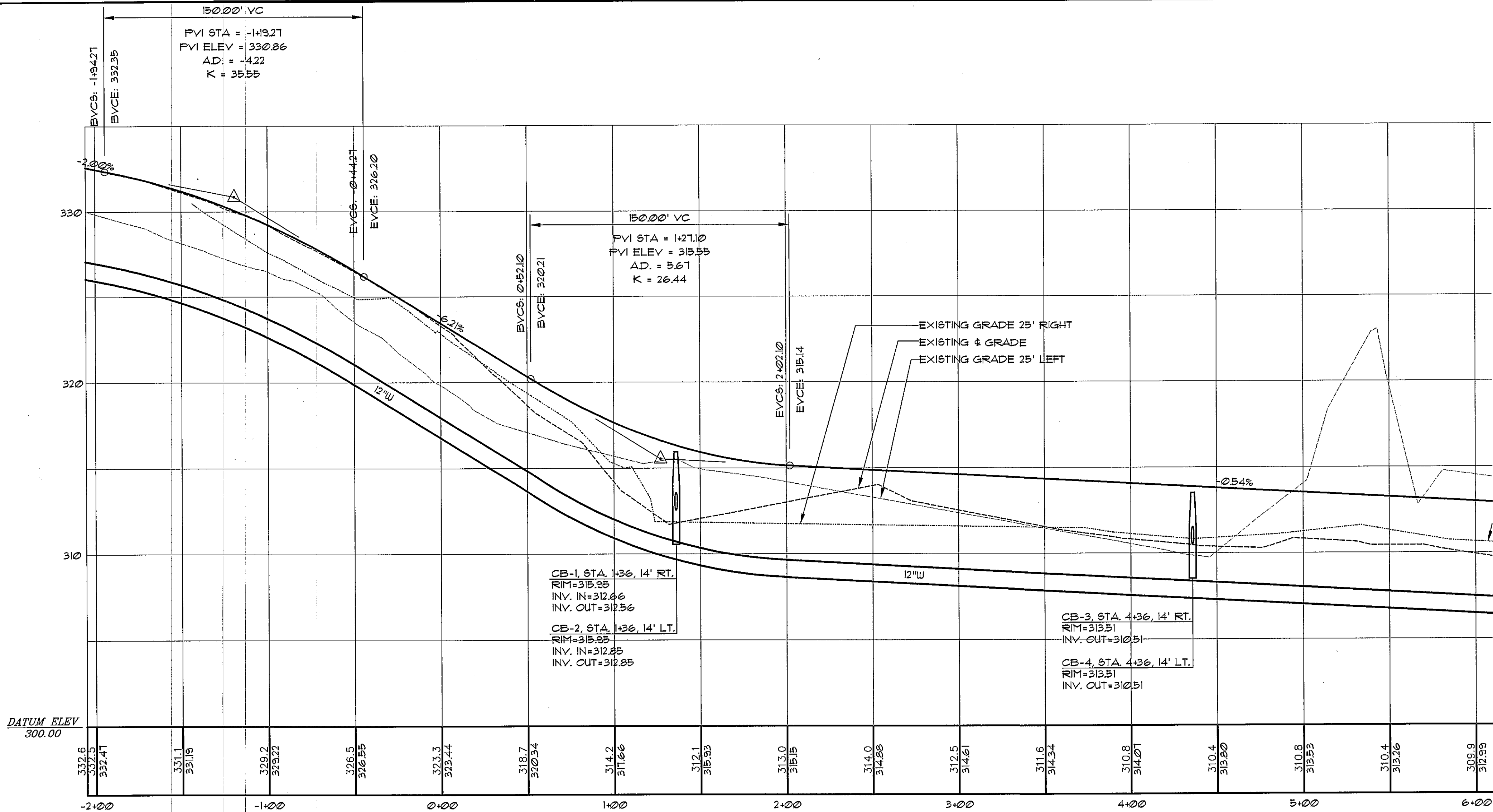
FOR: R.J. GRONIN & SONS

11 BARTLETT ROAD

GORHAM, MAINE 04038

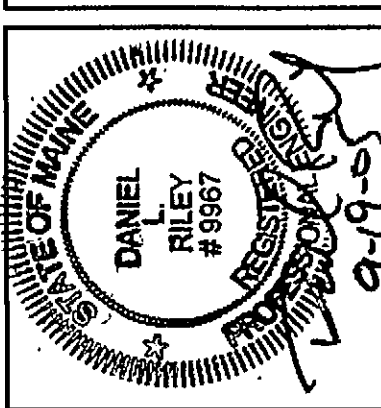
GRADING AND UTILITY PLAN - 2





# CONSTRUCTION NOTES

- ALL WORK SHALL CONFORM TO THE APPLICABLE CODES AND ORDINANCES.
- CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIM OR HERSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIM OR HERSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- CONTRACTOR SHALL NOTIFY ENGINEER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND IN THE FIELD.
- INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND OWNER'S REQUIREMENTS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY DISCREPANCIES SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.
- CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS AND SEDIMENT DEPOSITED ON PUBLIC STREETS, SIDEWALKS, ADJACENT AREAS, OR OTHER PUBLIC WAYS DUE TO CONSTRUCTION.
- CONTRACTOR SHALL INCORPORATE PROVISIONS AS NECESSARY IN CONSTRUCTION TO PROTECT EXISTING STRUCTURES, PHYSICAL FEATURES AND MAINTAIN SITE STABILITY DURING CONSTRUCTION. CONTRACTOR SHALL RESTORE ALL AREAS TO ORIGINAL CONDITION AND AS DIRECTED BY DESIGN DRAWINGS.
- SITE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH "MAINE EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION, BEST MANAGEMENT PRACTICES" PUBLISHED BY THE CUMBERLAND COUNTY SOIL AND WATER CONSERVATION DISTRICT AND MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, MARCH 1993 OR LATEST EDITION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POSSESS A COPY OF THE EROSION CONTROL PLAN AT ALL TIMES.
- THE CONTRACTOR IS HEREBY CAUTIONED THAT DIG SAFE ONLY NOTIFIES ITS "MEMBER" UTILITIES ABOUT THE DIG WHEN NOTIFIED. DIG SAFE WILL ADVISE CONTRACTOR OF MEMBER UTILITIES IN THE AREA. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND CONTACTING NON-MEMBER UTILITIES DIRECTLY. NON-MEMBER UTILITIES MAY INCLUDE TOWN OR CITY WATER AND SEWER DISTRICTS AND SHALL LOCAL UTILITIES, AS WELL AS USG PUBLIC WORKS SYSTEMS.
- CONTRACTORS SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS OF 23 MRS. 3360-A. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE APPROPRIATE UTILITIES TO OBTAIN AUTHORIZATION PRIOR TO RELOCATION OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS. IF A UTILITY CONFLICT ARISES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER, THE MUNICIPALITY AND APPROPRIATE UTILITY COMPANY PRIOR TO PROCEEDING WITH ANY RELOCATION.
- ALL PAVEMENT MARKINGS AND DIRECTIONAL SIGNAGE SHOWN ON THE PLAN SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS.
- PAVEMENT JOINTS SHALL BE SAWCUT PRIOR TO PAVING TO PROVIDE A DURABLE AND UNIFORM JOINT.
- NO HOLES, TRENCHES OR STRUCTURES SHALL BE LEFT OPEN OVERNIGHT IN ANY EXCAVATION ACCESSIBLE TO THE PUBLIC OR IN PUBLIC RIGHTS-OF-WAY.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL REQUIRE A M.D.O.T. PERMIT AS WELL AS PERMITS FROM THE TOWN AS APPLICABLE.
- THE PROPOSED LIMITS OF CLEARING SHOWN HEREON ARE APPROXIMATE BASED UPON THE PROPOSED LIMITS OF SITE GRADING. THE APPLICANT RESERVES THE RIGHT TO PERFORM NORMAL FOREST MANAGEMENT ACTIVITIES OUTSIDE OF THE CLEARING LIMIT AS SHOWN. TREE REMOVAL OUTSIDE OF THE LIMITS OF CLEARING MAY BE NECESSARY TO REMOVE DEAD OR DYING TREES OR TREE LIMBS. THIS REMOVAL IS DUE TO POTENTIAL SAFETY HAZARDS AND TO PROMOTE PROPER FOREST GROWTH.
- IMMEDIATELY UPON COMPLETION OF CUTS/FILLS, THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH EROSION CONTROL NOTES AND AS SPECIFIED ON PLANS.
- THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE REMOVAL, REPLACEMENT AND RECTIFICATION OF ALL DAMAGED AND DEFECTIVE MATERIAL AND WORKMANSHIP IN CONNECTION WITH THE CONTRACT WORK. THE CONTRACTOR SHALL REPLACE OR REPAIR AS DIRECTED BY THE OWNER ALL SUCH DAMAGED OR DEFECTIVE MATERIALS WHICH APPEAR WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
- ALL WORK PERFORMED BY THE GENERAL CONTRACTOR AND/OR TRADE SUBCONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF LOCAL, STATE OR FEDERAL LAWS, AS WELL AS ANY OTHER GOVERNING REQUIREMENTS, WHETHER OR NOT SPECIFIED ON THE DRAWINGS.
- WHERE THE TERMS "APPROVED EQUAL", "OTHER APPROVED", "EQUAL TO", "ACCEPTABLE" OR OTHER GENERAL QUALIFYING TERMS ARE USED IN THESE NOTES, IT SHALL BE UNDERSTOOD THAT REFERENCE IS MADE TO THE RULING AND JUDGMENT OF SEBAGO TECHNICS, INC.
- THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION FOR THE WORK UNTIL TURNED OVER TO THE OWNER.
- THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DRAWINGS ON SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES.
- THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ANY CHANGES AND DEVIATION OF APPROVED PLANS NOT AUTHORIZED BY THE ARCHITECT/ENGINEER AND/OR CLIENT/OWNER.
- DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN, ANY MODIFICATION TO SUIT FIELD DIMENSION AND CONDITION SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY WORK.
- BEFORE THE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND MATERIALS, REPAIR OR REPLACE PRIVATE OR PUBLIC PROPERTY WHICH MAY HAVE BEEN DAMAGED OR DESTROYED DURING CONSTRUCTION, CLEAN THE AREAS WITHIN AND ADJACENT TO THE PROJECT WHICH HAVE BEEN OBSTRUCTED BY HIS/HER OPERATIONS, AND LEAVE THE PROJECT AREA NEAT AND PRESENTABLE.
- ALL WATER LINE AND HYDRANT CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE PORTLAND WATER DISTRICT.



REV.	BY	DATE	STATUS
1	JHR	4-28-03	SUBMITTED FOR FINAL PLAN APPROVAL
2	JHR	5-15-03	REVISED PER MDP REVIEW
3	JHR	8-21-03	ISSUED FOR BID
4	JHR	9-18-03	AMENDED SUBDIVISION PLAN
5	JHR	4-22-05	SUBMITTED FOR MDP REVIEW
6	JHR	9-19-05	REVISED PER MDP REVIEW COMMENTS

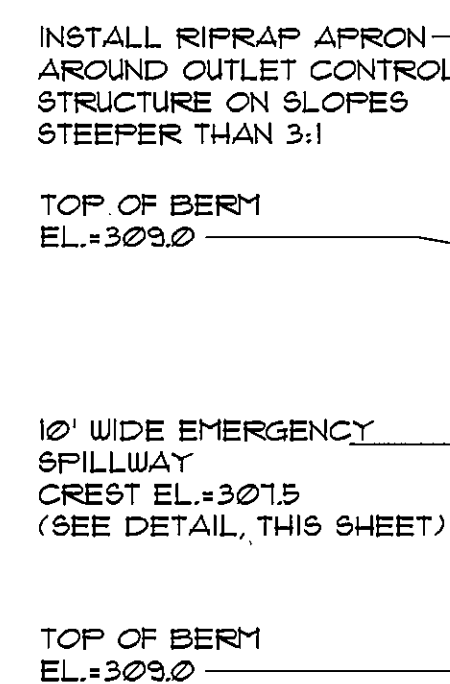
**Sebago Technics**  
 Engineering Expertise You Can Build On  
 One Orchard Street  
 Westbrook, ME 04092  
 Tel: (207) 856-0271

PROJECT NO	89187	FIELD BOOK	DESIGN	CHKD	WPS	DRAWN	MAL
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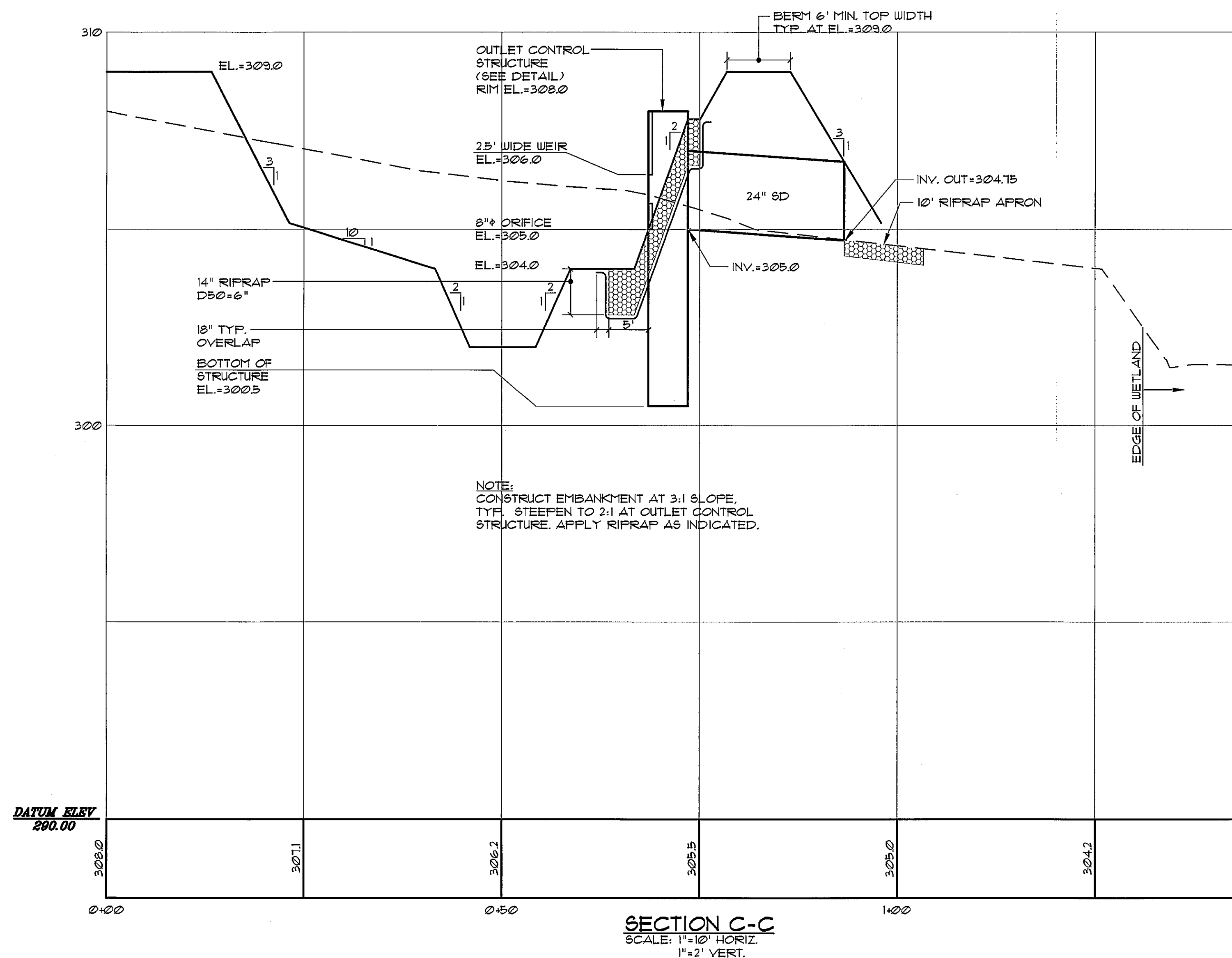
**PROFILE: ENTERPRISE DRIVE**  
 STA. 0+82.51 TO STA. 9+50.55  
**QUARRY RIDGE BUSINESS PARK (PHASE 1A)**  
 ROUTE 302  
 NORTH WINDHAM, MAINE  
 FOR: **R.J. GRONDIN & SONS**  
 11 BARTLETT ROAD  
 CORHAM, MAINE 04038

DATE	4-17-03	SCALE	AS SHOWN
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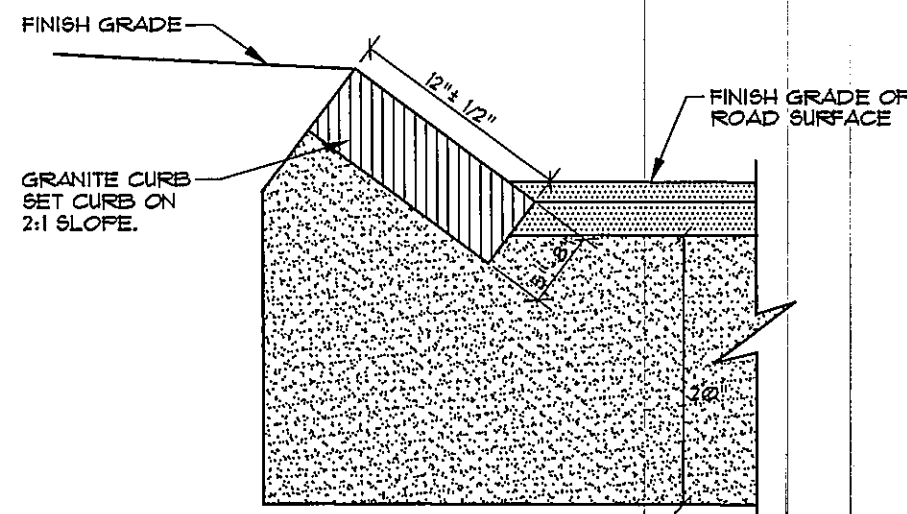
**SHEET 6 OF 8**



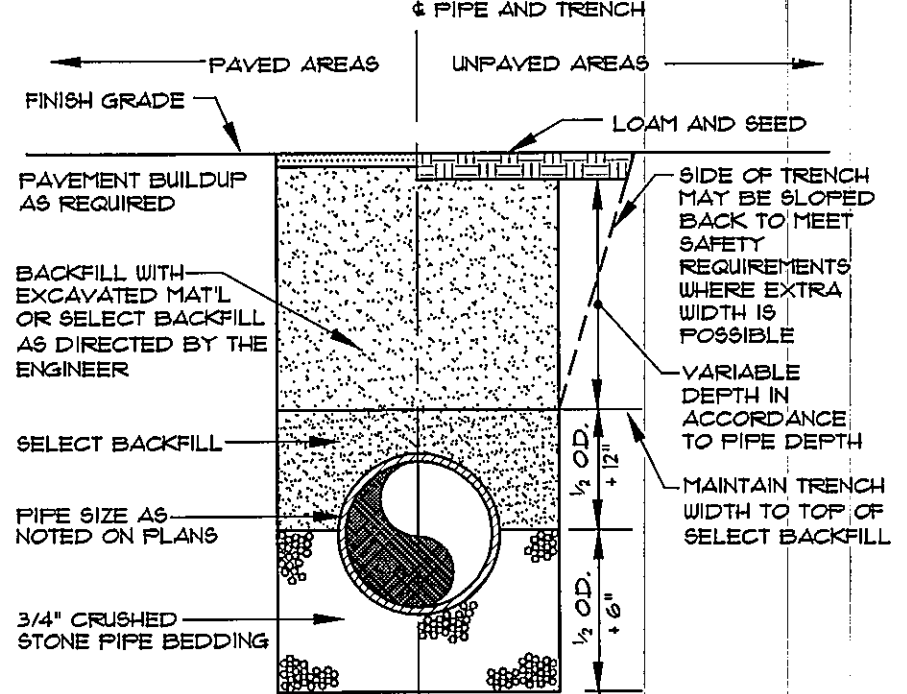
POND 2: SECTION C-C  
SCALE: 1"=20'



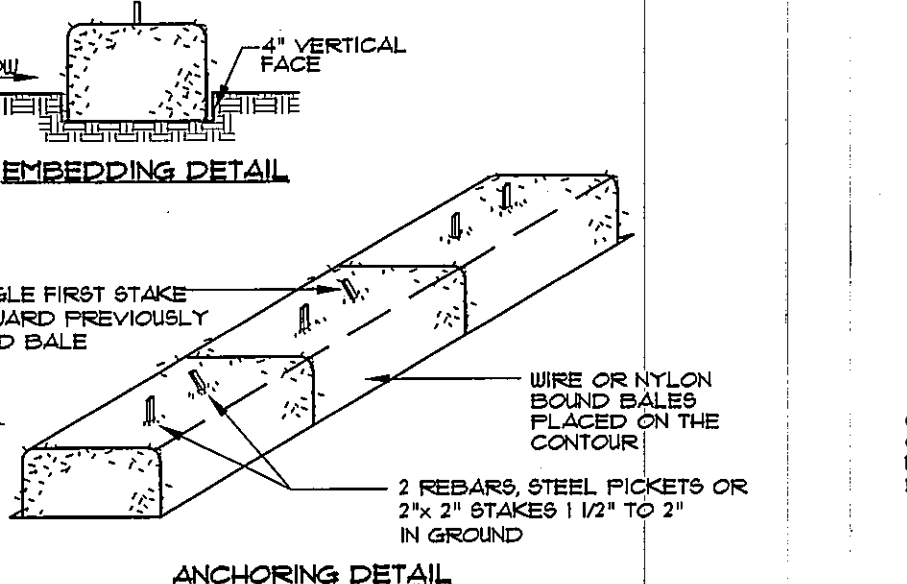




**SLOPED GRANITE CURB (6x12)**  
NOT TO SCALE



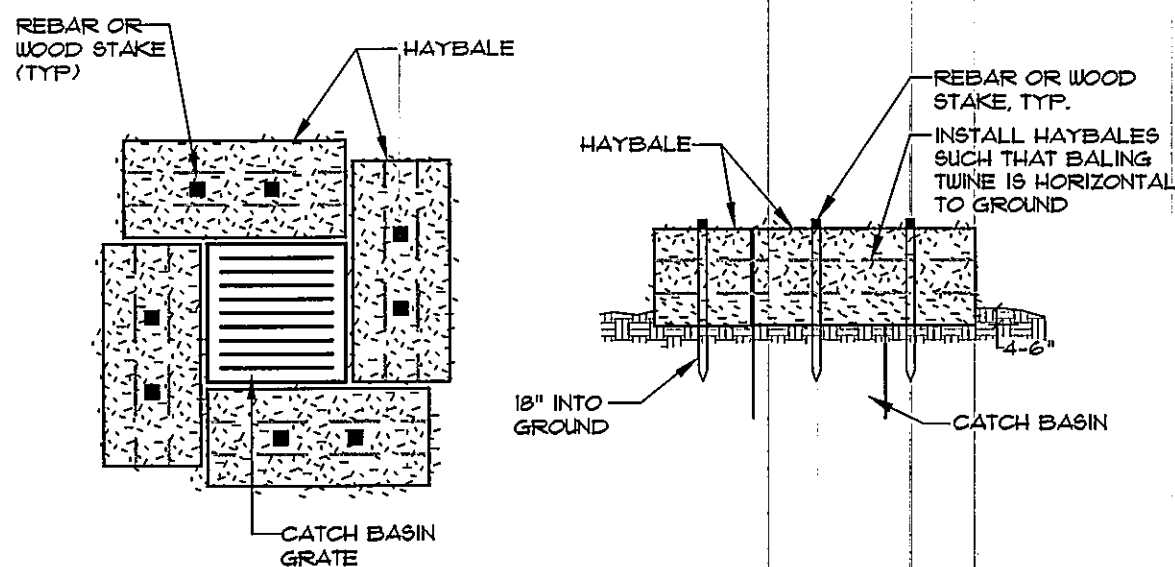
**TYPICAL TRENCH SECTION**  
NOT TO SCALE



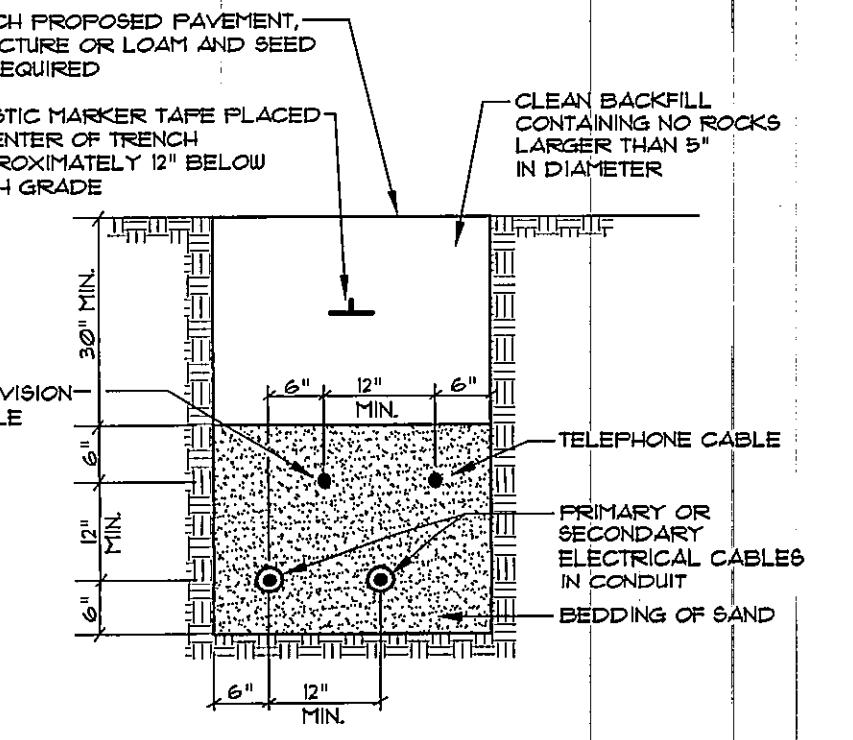
**ANCHORING DETAIL**

- NOTES:**
- BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ADJUTING THE ADJACENT BALES.
  - EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4".
  - BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR REBARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
  - INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
  - BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPIDE STORM FLOW OR DRAINAGE.

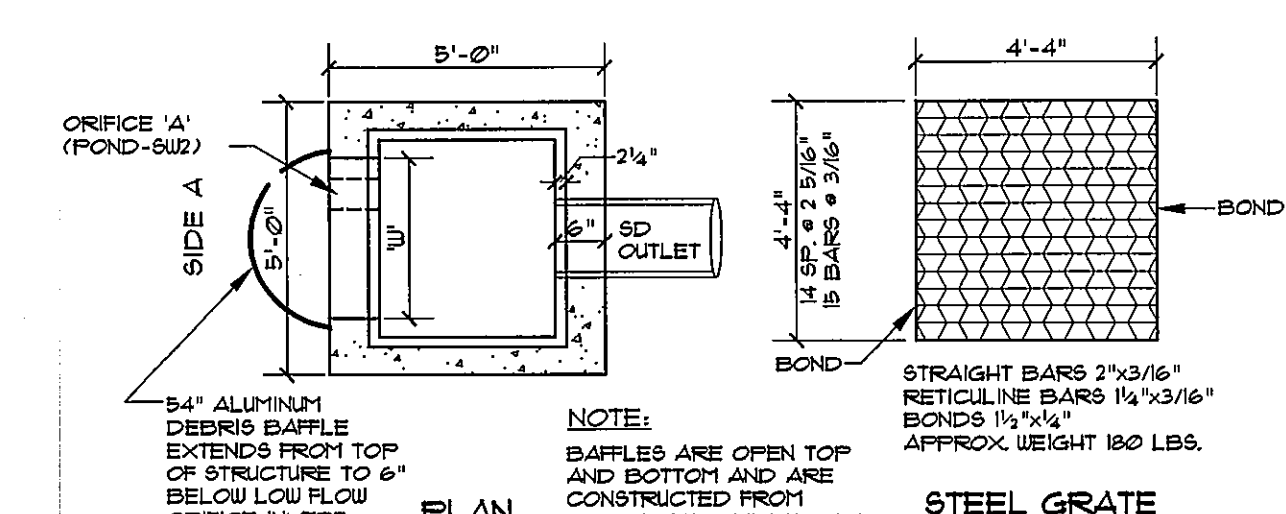
**HAY BALE BARRIER**  
NOT TO SCALE



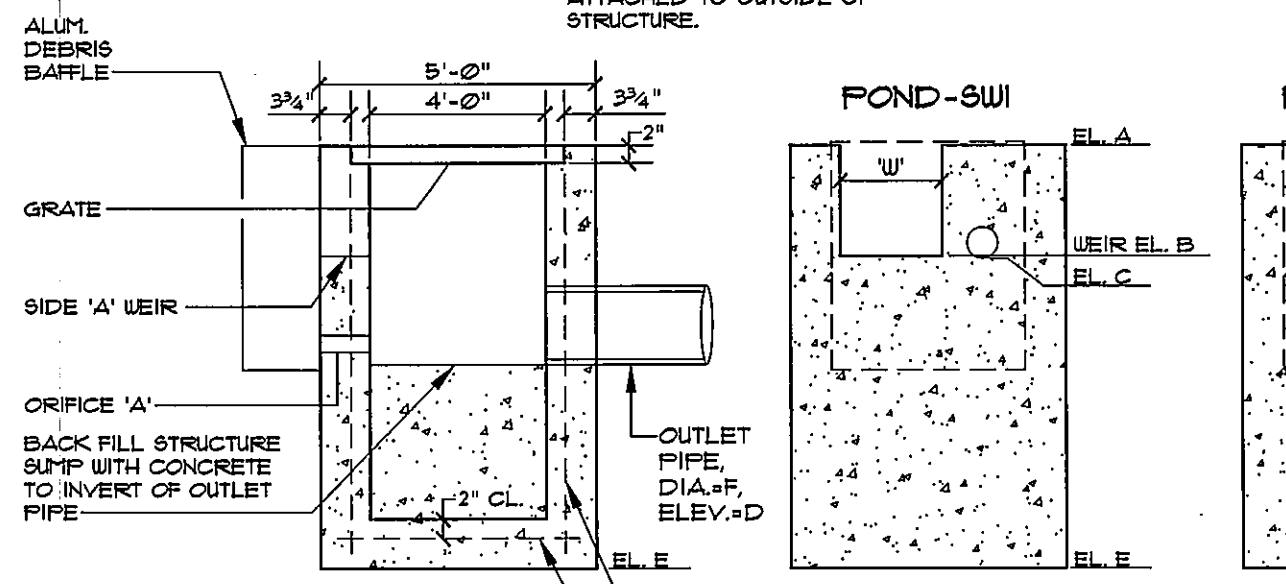
**CATCH BASIN HAYBALE BARRIER**  
NOT TO SCALE



**TYPICAL UNDERGROUND CABLE INSTALLATION**  
NOT TO SCALE



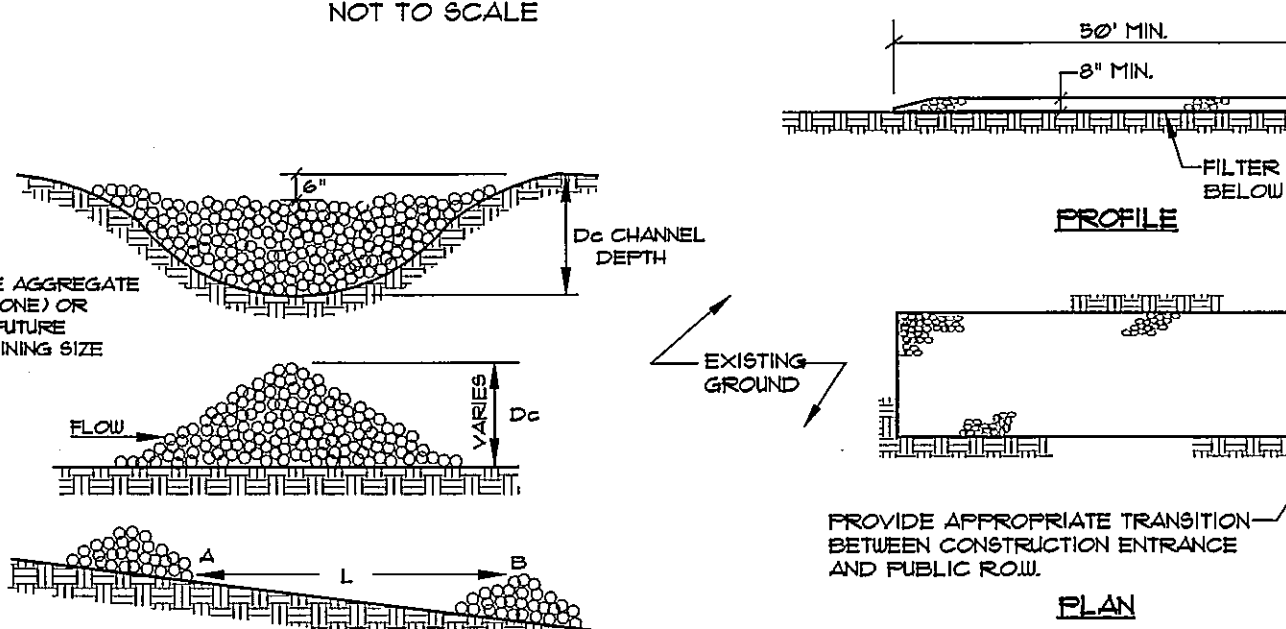
**STEEL GRATE**



**NOTE:**  
CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR ENGINEER REVIEW OF ALL OUTLET CONTROL STRUCTURE COMPONENTS AND CONNECTIONS.

DETENTION BASIN	ELEVATION (FT.)				ORIFICE 'A'		WIDTH 'W'		DIAMETER 'D'	
	A	B	C	D	IN.	FT.	IN.	FT.	IN.	FT.
POND 1	313.0	313.3	314.0	310.5	3.0	2.0	15"			
POND 2	308.0	306.0	305.0	305.0	3.0	2.5	24"			

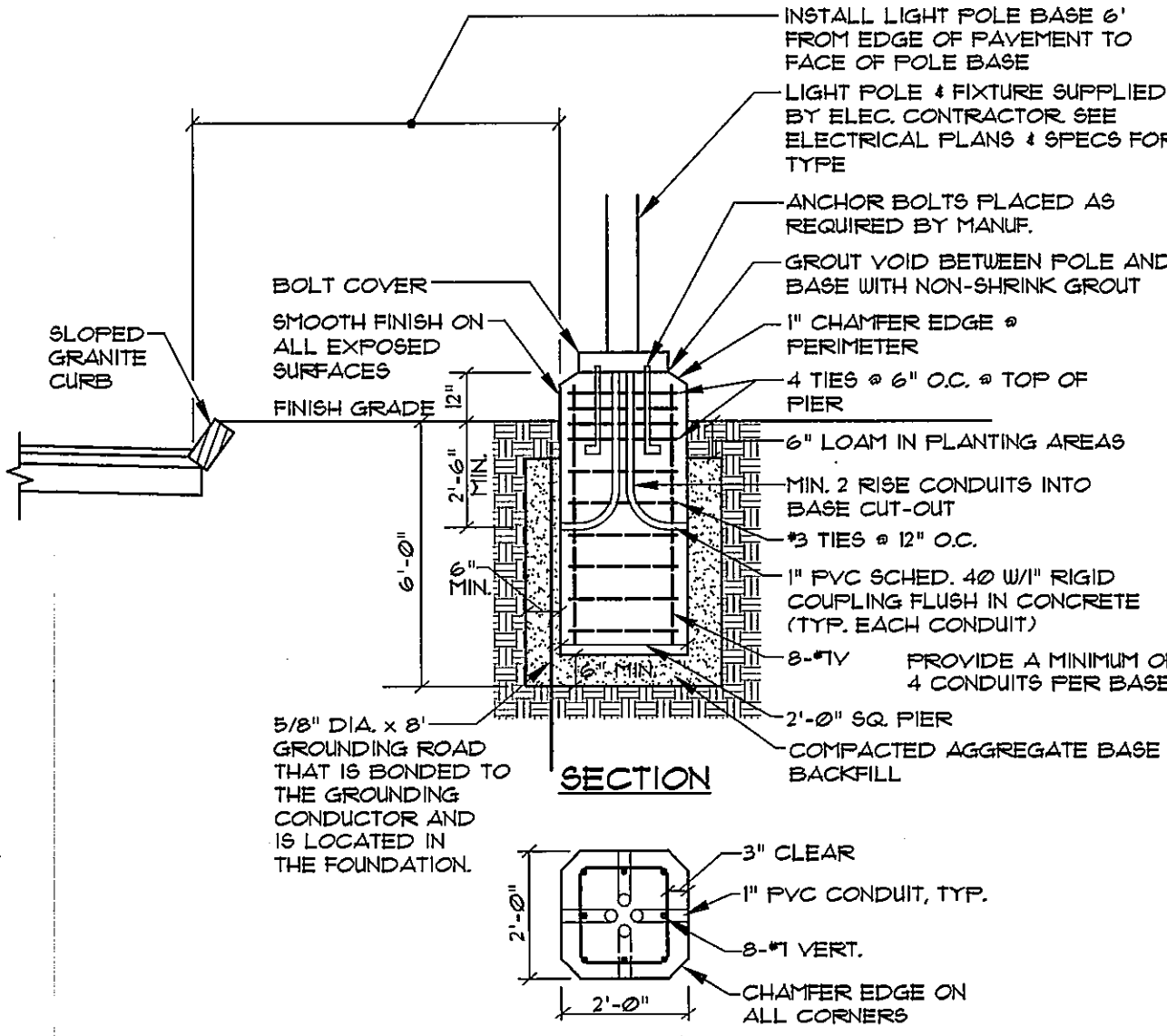
**OUTLET CONTROL STRUCTURE**  
NOT TO SCALE



**STONE CHECK DAM**  
NOT TO SCALE

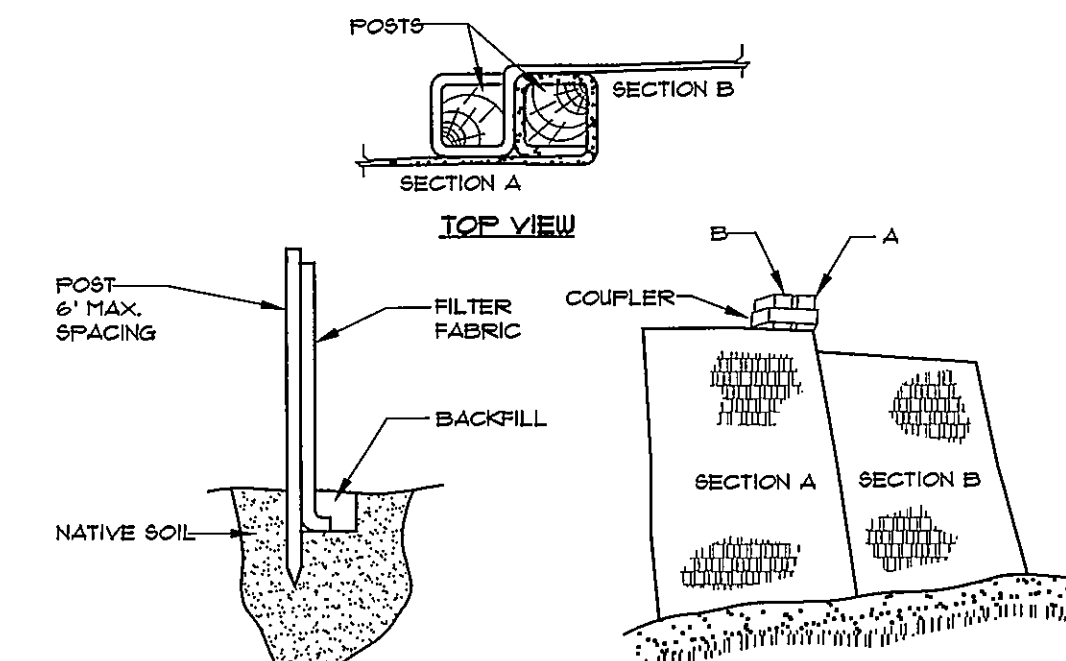
- NOTES:**
- STONE SIZE- AASHTO DESIGNATION M43, SIZE NO. 2 (1/2" TO 1 1/2"). USE CRUSHED STONE.
  - LENGTH- AS SHOWN ON PLANS, MIN. 50 FEET.
  - THICKNESS- NOT LESS THAN EIGHT (8) INCHES.
  - WIDTH- NOT LESS THAN FULL WIDTH OF ALL POINT OF INGRESS OR EGRESS.
  - MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.

**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE

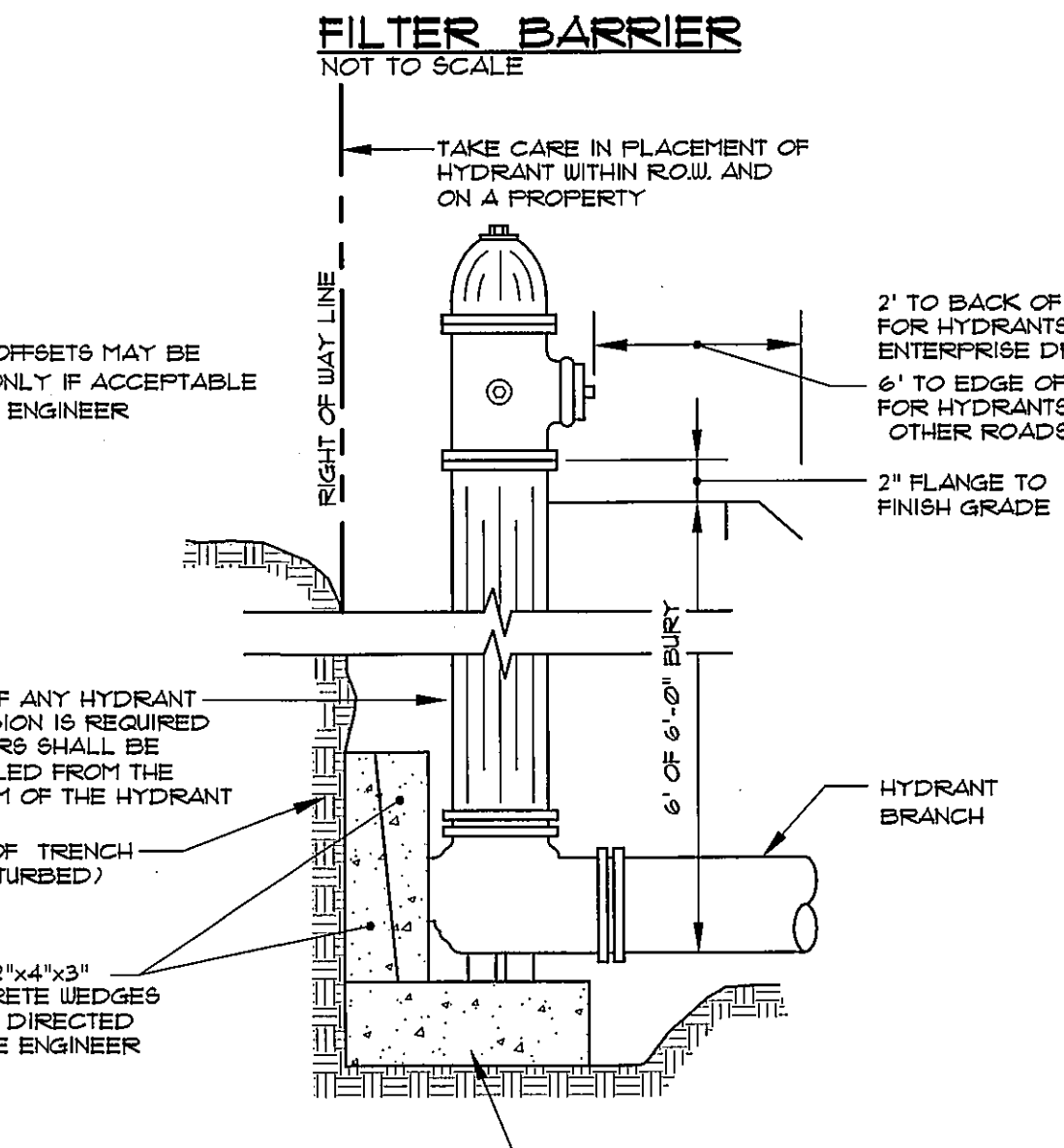


- NOTES:**
- CONCRETE Fc=4000 psi.
  - REINF. STEEL GRADE 60 NEW BARS.
  - CONCRETE 3/4" AGG. 6 W- 1% ENTRAINED AIR.
  - PROVIDE 2 COATS BITUMINOUS DAMPROOFING FOR ALL CONCRETE BELOW GRADE.
  - BID ALT- CONTRACTOR MAY SUBSTITUTE PRECAST CONCRETE LIGHT POLE BASE EQUAL TO ABOVE SPEC.

**LIGHT POLE BASE**  
NOT TO SCALE



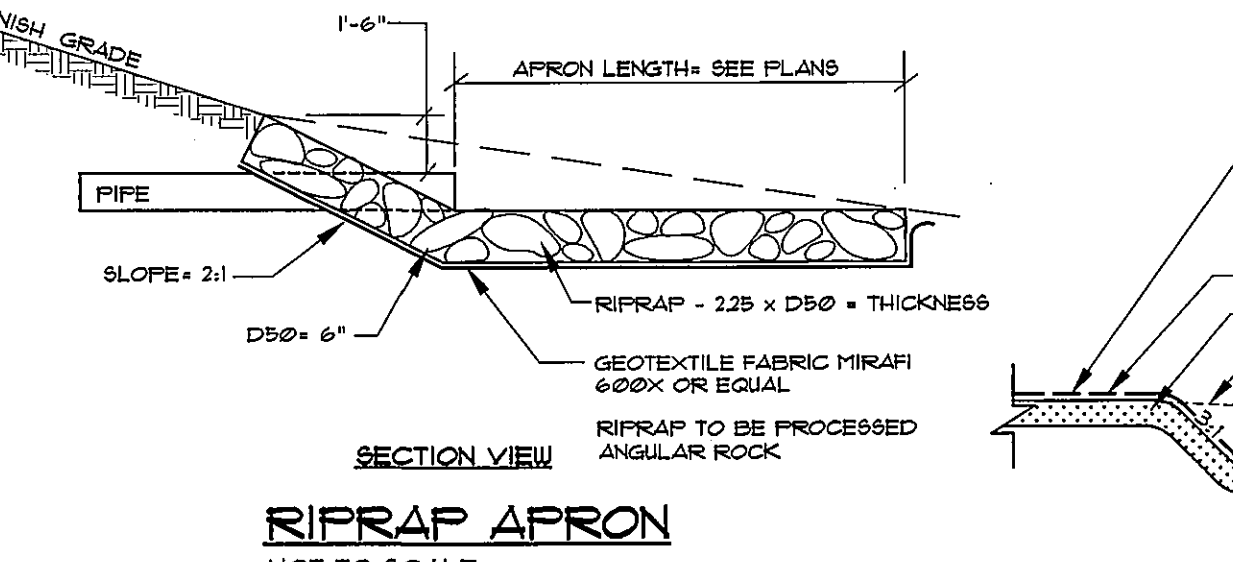
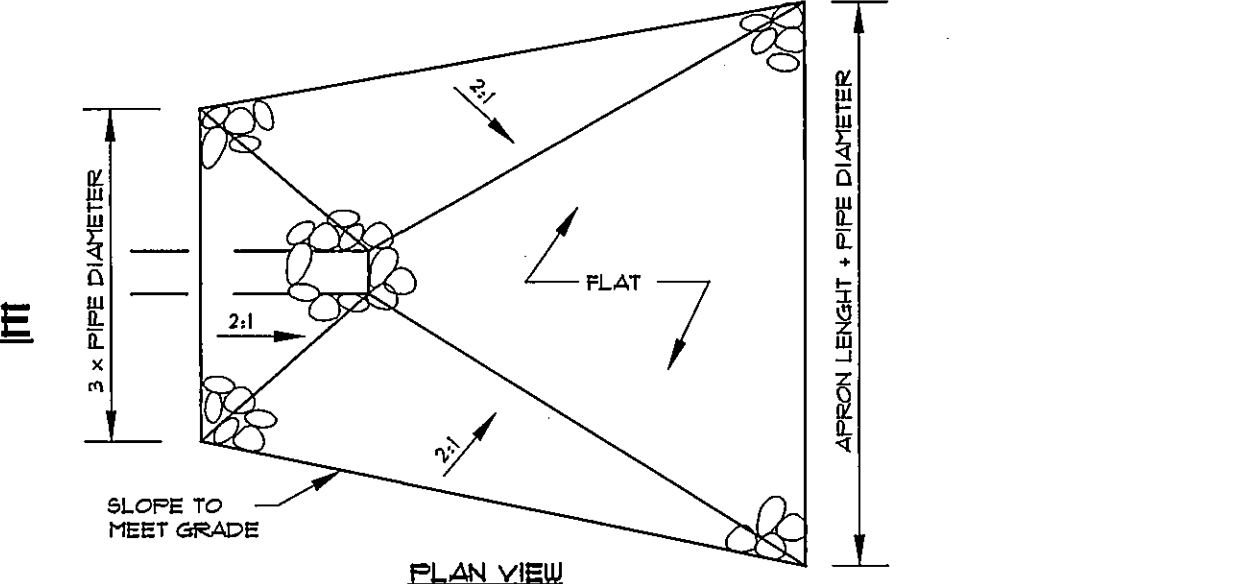
- INSTALLATION:**
- EXCAVATE A 6" X 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
  - UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
  - DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM.
  - LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND FILLING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPANIED BY AN INTERCEPTION DITCH.
  - JOIN SECTION AS SHOWN ABOVE.
  - BARRIER SHALL BE MIRAFI SILT FENCE OR EQUAL.



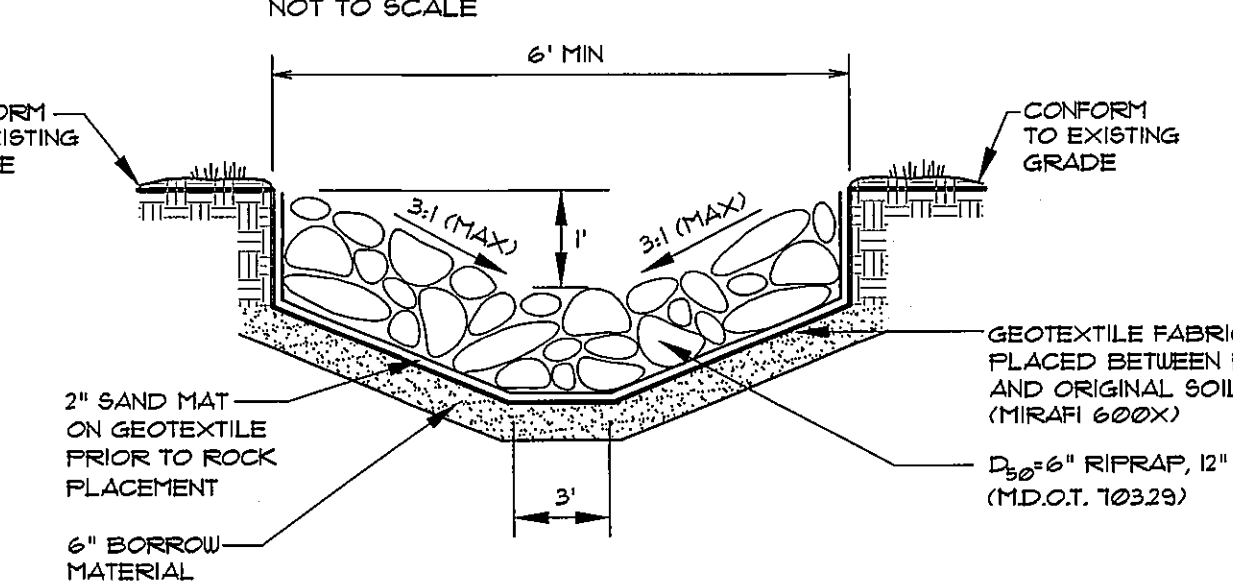
- NOTE:** OFFSETS MAY BE USED ONLY IF ACCEPTABLE TO THE ENGINEER

- NOTE:** IF ANY HYDRANT EXTENSION IS REQUIRED SPACERS SHALL BE INSTALLED FROM THE BOTTOM OF THE HYDRANT

**TYP. HYDRANT BLOCKING & REPLACEMENT**  
NOT TO SCALE



**RIPRAP APRON**  
NOT TO SCALE



**RIPRAP SWALE**  
NOT TO SCALE

## EROSION AND SEDIMENTATION CONTROL PLAN

**A. PRE-CONSTRUCTION PHASE**  
PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, FILTER FABRIC FENCING SHALL BE STAKED ALONG THE PROPOSED CONTOUR, AT OR JUST ABOVE THE LIMITS OF CLEARING OR GRUBBING, AND/OR JUST ABOVE ANY ADJACENT PROPERTY LINE OR WATERCOURSE TO PROTECT AGAINST CONSTRUCTION RELATED EROSION. THE PLACEMENT OF SILT FENCES SHALL BE COMPLETED IN ACCORDANCE WITH GUIDELINES ESTABLISHED IN BEST MANAGEMENT PRACTICES AND IN ACCORDANCE WITH THE EROSION CONTROL PLAN & DETAILS IN THE PLAN SET. THIS NETWORK IS TO BE MAINTAINED BY THE CONTRACTOR UNTIL ALL EXPOSED AREAS HAVE AT LEAST 85%-90% VIGOROUS PERENNIAL VEGETATIVE COVER TO PREVENT EROSION.

**PRIOR TO CONSTRUCTION,** THE CONTRACTOR SHALL PREPARE A DETAILED SCHEDULE AND MARKED UP PLAN INDICATING AREAS AND COMPONENTS OF THE WORK AND KEY DATES SHOWING DATE OF DISTURBANCE AND COMPLETION OF THE WORK. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE MUNICIPAL STAFF. THREE COPIES OF THE SCHEDULE AND MARKED UP PLAN SHALL BE PROVIDED TO THE MUNICIPALITY THREE DAYS PRIOR TO THE SCHEDULED PRE-CONSTRUCTION MEETING. SPECIAL ATTENTION SHALL BE GIVEN TO THE 14 DAY LIMIT OF DISTURBANCE IN THE SCHEDULE ADDRESSING TEMPORARY AND PERMANENT VEGETATION MEASURES.

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE FOLLOWED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION OF THIS PROJECT.

**B. CONSTRUCTION AND POST-CONSTRUCTION PHASE**  
1. AREAS UNDERGOING ACTUAL CONSTRUCTION SHALL ONLY EXPOSE THAT AMOUNT OF MINERAL SOIL NECESSARY FOR PROGRESSIVE AND EFFICIENT CONSTRUCTION AND SHALL NOT EXCEED 14 DAYS. AREAS THAT WILL NOT BE COMPLETED (COVERED AND/OR FINISH GRADED) WITHIN FOURTEEN (14) DAYS OF DISTURBANCE SHALL BE ANCHORED WITH TEMPORARY EROSION CONTROL MEASURES WITHIN FOURTEEN (14) DAYS OF DISTURBANCE. TEMPORARY EROSION CONTROL SHALL INCLUDE EROSION CONTROL MESH, NETTING OR MULCH AS DIRECTED BY THE INSPECTING ENGINEER AND AS SHOWN ON THE DESIGN PLANS. IF MULCH IS USED, HAY OR STRAW MULCH SHALL BE APPLIED AT THE RATE OF 2 BALES PER 1000 SQUARE FEET. APPLICATION AREA SHALL BE SUFFICIENTLY COVERED WITH MULCH TO AVOID ANY VISIBLE SOIL EXPOSURE. MULCH SHALL BE KEPT MOIST TO AVOID LOSS DUE TO WIND. MULCH AND NETTING SHALL BE APPLIED IN THE BASE OF ALL GRASSED WATERWAYS (I.E. ROADWAY DITCHES) AND IN SLOPES WHICH EXCEED 15% AND ANY DISTURBED AREAS WITHIN 100' OF WETLANDS OR STREAMS.

**C. DURING WINTER CONDITIONS,** AREAS THAT WILL NOT BE COMPLETED (COVERED AND/OR FINISH GRADED) WITHIN SEVEN (7) DAYS OF DISTURBANCE SHALL BE ANCHORED WITH TEMPORARY EROSION CONTROL MEASURES WITHIN SEVEN (7) DAYS OF DISTURBANCE. TEMPORARY EROSION CONTROL SHALL INCLUDE EROSION CONTROL MESH, NETTING OR MULCH AS DIRECTED BY THE INSPECTING ENGINEER AND AS SHOWN ON THE DESIGN PLANS. IF MULCH IS USED, HAY OR STRAW MULCH SHALL BE APPLIED TO PROVIDE A MINIMUM UNIFORM MULCH DEPTH OF 4". THE APPLICATION AREA SHALL BE SUFFICIENTLY COVERED WITH MULCH TO AVOID ANY VISIBLE SOIL EXPOSURE.

2. ALL TOPSOIL SHALL BE COLLECTED, STOCKPILED, SEEDED WITH RYE AT 3 LBS/1000 SF. AND MULCHED, AND RE-USED AS REQUIRED. SILTATION DURING DEVELOPMENT TO REMOVE SEDIMENT FROM STOCKPILED LOAM. LOAM SHALL BE STOCKPILED AT LOCATIONS DESIGNATED BY THE OWNER AND INSPECTING ENGINEER.

3. ALL SILT FENCES AND EROSION CONTROL MEASURES SHALL BE MAINTAINED ACCORDING TO THIS PLAN. THESE SHALL BE MAINTAINED DURING DEVELOPMENT TO REMOVE SEDIMENT FROM RUNOFF WATER. ALL THE SILT FENCES AND EROSION CONTROL MEASURES SHALL BE INSPECTED BEFORE AND AFTER ANY RAINFALL OR RUNOFF EVENT. MAINTAINED CLEANED UNTIL ALL AREAS HAVE AT LEAST 85%-90% VIGOROUS PERENNIAL VEGETATIVE COVER OF GRASSES.

4. A CONSTRUCTION ENTRANCE SHALL BE BUILT AT THE LOCATION INDICATED ON THE PLANS. ROADWAY AREAS SHALL BE PERIODICALLY SUPT OR WASHED TO AVOID TRACKING OF MUD, DUST OR DEBRIS FROM THE CONSTRUCTION AREA. DUST CONTROL DURING CONSTRUCTION SHALL BE ACHIEVED BY THE USE OF A WATERING TRUCK TO PERIODICALLY SPRINKLE THE EXPOSED ROADWAY AREAS AS NECESSARY TO REDUCE DUST DURING THE DRY MONTHS.

5. STONE CHECK DAMS MAY BE REMOVED ONLY AFTER THE ROADWAYS ARE PAVED AND THE VEGETATIVE AREAS ARE ESTABLISHED WITH AT LEAST 85% TO 90% OF VIGOROUS PERENNIAL GROWTH.

6. ALL AREAS SHALL BE SEEDED AND STABILIZED IN ACCORDANCE WITH THE FOLLOWING VEGETATION PLAN.

**C. VEGETATION PLAN**  
REVEGETATION MEASURES SHALL COMMENCE IMMEDIATELY UPON COMPLETION OF CONSTRUCTION OF THE ROADWAY IMPROVEMENTS. DISTURBED AREAS SHALL ALSO BE MULCHED AND ANCHORED PRIOR TO ANY STORM EVENT. SEE MULCHING REQUIREMENTS IN SECTION B(A).

ABOVE, IF FINAL SEEDING CANNOT BE ACCOMPLISHED BY SEPTEMBER 15TH, THEN ALL DISTURBED AREAS SHALL BE SEEDED WITH A WINTER COVER CROP OF RYE AT THE RATE OF 3 LBS/1000 SQ. FT. TO PROVIDE WINTER PROTECTION. SEEDED AREAS SHALL BE COVERED WITH EROSION CONTROL MESH. SEE WINTER PROTECTION REQUIREMENTS IN SECTION B (B) ABOVE.

**REVEGETATION MEASURES** SHALL CONSIST OF THE FOLLOWING:  
1. FOUR INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE. LOAM SHALL BE FREE OF SUBSOIL, CLAY, LIMES, STONES AND OTHER OBJECTS OVER 1" IN DIAMETER, AND WITHOUT WEEDS, ROOTS OR OTHER OBJECTIONABLE MATERIAL.  
2. SOILS TESTS SHALL BE TAKEN AT THE TIME OF SOIL STRIPPING TO DETERMINE FERTILIZATION REQUIREMENTS. SOILS TEST SHALL BE TAKEN PROMPTLY AS TO NOT INTERFERE WITH THE 14 DAY LIMIT ON SOIL EXPOSURE. BASED UPON TEST RESULTS, SOIL AMENDMENTS SHALL BE INCORPORATED INTO THE SOIL PRIOR TO FINAL SEEDING. IN LIEU OF SOIL TESTS, SOIL AMENDMENTS MAY BE APPLIED AS FOLLOWS:

ITEM	APPLICATION RATE
10-20-20 FERTILIZER (N-P2O5-K2O OR EQUAL)	10.4 LB/1000 SF
GROUND LIMESTONE (50% CALCIUM + MAGNESIUM OXIDE)	130 LB/1000 SF

3. FOLLOWING SEED BED PREPARATION, SWALE AREAS, FILL AREAS AND BACK SLOPES SHALL BE SEEDED AT A RATE OF 3 LBS/1000 SF. WITH A MIXTURE OF 35% CREEPING RED FESCUE, 6% RED TOP, 24% KENTUCKY BLUEGRASS, 10% PERENNIAL RYEGRASS, 10% ANNUAL RYEGRASS AND 5% WHITE DUTCH CLOVER.

4. EROSION CONTROL MESH SHALL BE APPLIED IN ACCORDANCE WITH THE PLANS OVER ALL FINISH SEEDED AREAS AS SPECIFIED ON THE DESIGN PLANS.

5. ALL HAY BALE AND/OR FILTER FABRIC BARRIERS WILL REMAIN IN PLACE UNTIL SEEDINGS HAVE BECOME 25%-30% ESTABLISHED AND THEN REMOVED WITHIN 10 DAYS.

6. THE INSPECTING ENGINEER AT HIS/HER DISCRETION MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES AND/OR SUPPLEMENTAL VEGETATIVE PROVISIONS TO MAINTAIN STABILITY OF EARTHWORKS AND FINISH GRADED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ANY SUPPLEMENTAL MEASURES AS DIRECTED BY THE INSPECTING ENGINEER. FAILURE TO COMPLY WITH THE ENGINEER'S DIRECTIONS WILL RESULT IN DISCONTINUATION OF CONSTRUCTION ACTIVITIES.

**D. CONSTRUCTION SCHEDULE**  
SITE IMPROVEMENTS WILL MOST LIKELY BEGIN IN JULY 2003 DEPENDING UPON FINAL PROJECT APPROVAL. THE FOLLOWING SCHEDULE IS ANTICIPATED FOR THE CONSTRUCTION OF THE ROADWAY IMPROVEMENTS.

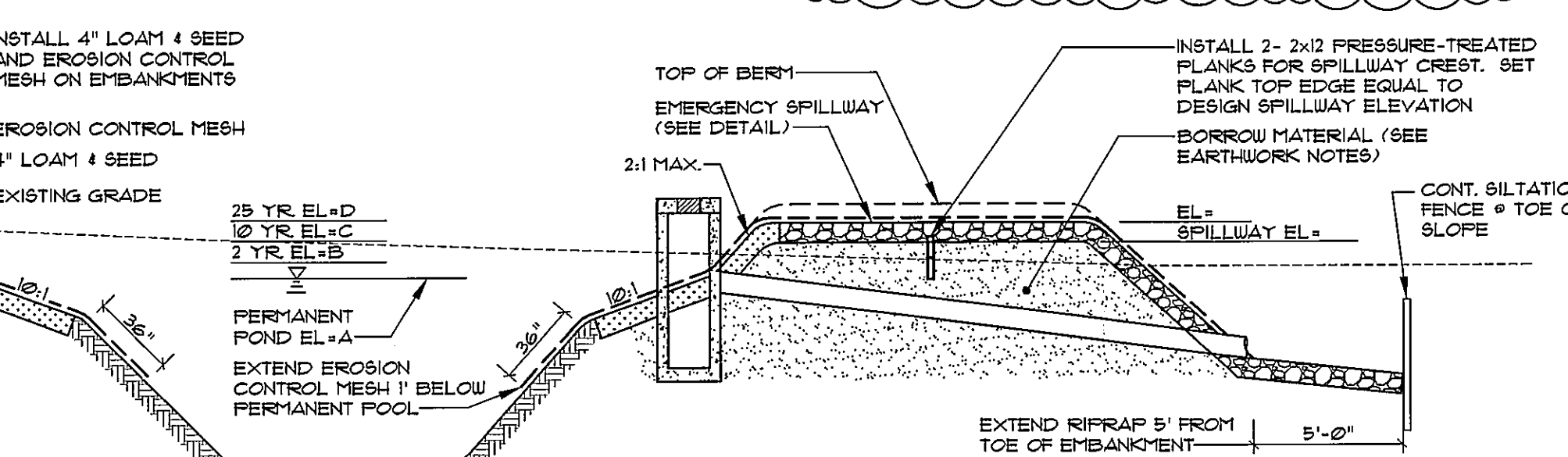
SCHEDULE	4 MONTHS
1. ESTIMATED CONSTRUCTION TIME:	WEEK 1 - WEEK 2
2. EROSION CONTROL MEASURES PLACED:	WEEK 2 - WEEK 5
3. SITE CLEARING AND GRUBBING:	WEEK 5 - WEEK 13
4. CONSTRUCTION OF ROAD SUBBASE:	WEEK 1 - WEEK 9
5. STORMWATER MANAGEMENT AREA CONSTRUCTION:	WEEK 1 - WEEK 24
6. UTILITY IMPROVEMENTS AND ROADWAY CONSTRUCTION:	OCT. 15 OF CONSTRUCTION YEAR
7. MULCH SPREAD FOR WINTER EROSION CONTROL:	WEEK 8
8. START FINAL SEEDINGS ON PREPARED AREAS (DURING GROWING SEASON):	WEEK 10
9. WEEKLY MONITORING OF VEGETATIVE GROWTH:	WEEK 10
10. RE-SEEDING OF AREAS, IF NEEDED:	WEEK 10
11. REMOVAL OF EROSION CONTROL DEVICES:	UPON FINAL PROJECT COMPLETION

HOME CONSTRUCTION ON INDIVIDUAL LOTS MAY BEGIN ONCE THE ROADWAY BASE HAS BEEN SUFFICIENTLY CONSTRUCTED TO ALLOW VEHICLE ACCESS TO THE LOT(S). HOME CONSTRUCTION MAY CONTINUE AFTER THE ESTIMATED COMPLETION DATE FOR ROADWAY CONSTRUCTION. DISTURBED AREAS ON INDIVIDUAL LOTS SHALL ALSO BE SUBJECT TO THE EROSION & SEDIMENTATION CONTROL PROVISIONS CONTAINED HEREIN.

DATES ARE SUBJECT TO CHANGE AT THE DISCRETION OF THE ENGINEER, DEPENDING ON CONSTRUCTION PROGRESS.

**E. INSPECTIONS/MONITORING**  
MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, THE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES. THE CONTRACTOR SHALL REPAIR REPAIRS AS NEEDED TO ALLOW CONTINUED PROPER FUNCTIONING OF THE EROSION CONTROL MEASURE. THE CONTRACTOR SHALL PROVIDE THE MUNICIPALITY WITH WRITTEN DOCUMENTATION DESCRIBING DATES OF INSPECTIONS AND FOLLOW-UP WORK TO MAINTAIN EROSION CONTROL MEASURES MEETING THE REQUIREMENTS OF THIS PLAN. FOLLOWING THE TEMPORARY AND/OR FINAL SEEDINGS, THE CONTRACTOR SHALL INSPECT THE WORK AREA SEMI-MONTHLY UNTIL THE SEEDINGS HAVE BEEN ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 85%-90% OF AREAS VEGETATED WITH VIGOROUS GROWTH. RESEEDING SHALL BE CARRIED OUT BY THE CONTRACTOR WITH FOLLOW-UP INSPECTIONS IN THE EVENT OF ANY FAILURES WITH VEGETATION IS ADEQUATELY ESTABLISHED.

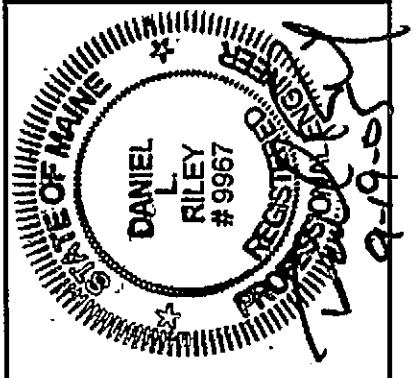
**F. CATCH BASINS**  
ALL CATCH BASINS, WHETHER FOR THE ROAD OR ANY ON-LOT CONSTRUCTION, MUST INCLUDE SUMP SKIMMERS AND THESE MUST BE MAINTAINED FOR AT LEAST SIX MONTHS AFTER ANY ROAD, PARKING AREA, OR OTHER ASPHALT SURFACE IN THEIR DRAINAGE AREA IS CONSTRUCTED OR RESURFACED. SUMP SKIMMERS SHALL BE NEWER 9X14X23 OR APPROVED EQUAL.



- NOTES:**
- CONSTRUCTION MATERIAL SHALL MEET M.D.O.T. SPECIFICATION 103.18.
  - PLACE BORROW MATERIAL IN 12" LIFTS COMPACTED TO 95% OF MAX. DENSITY.
  - INSTALL RIPRAP AND EROSION CONTROL MESH WHERE SPECIFIED ON PLANS.
  - LOAM, SEED, AND STABILIZE IN ACCORDANCE WITH SEDIMENTATION AND EROSION CONTROL PLAN.
  - SEE WETPOND TABLE FOR REQUIRED ELEVATIONS.
  - SEE EROSION CONTROL STRUCTURE SCHEDULE FOR REQUIRED STRUCTURE DIMENSION AND INVERTS.

	A	B	C	D	TOP OF BERM	EMERGENCY SPILLWAY EL.
POND SW 1	310.00	311.3	311.6	311.7	313.0	313.8
POND SW 2	305.00	306.1	307.0	307.4	309.0	307.5

**TYPICAL CONSTRUCTION SECTION AT WETPOND**  
NOT TO SCALE



DATE	SCALE
4-07-03	AS SHOWN

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**DETAILS**  
OF: QUARRY RIDGE BUSINESS PARK (PHASE 1A)  
ROUTE 302  
NORTH WINDHAM, MAINE  
FOR: R.J. GRONIN & SONS  
11 BARTLETT ROAD  
GORHAM, MAINE 04038