

233-A-4

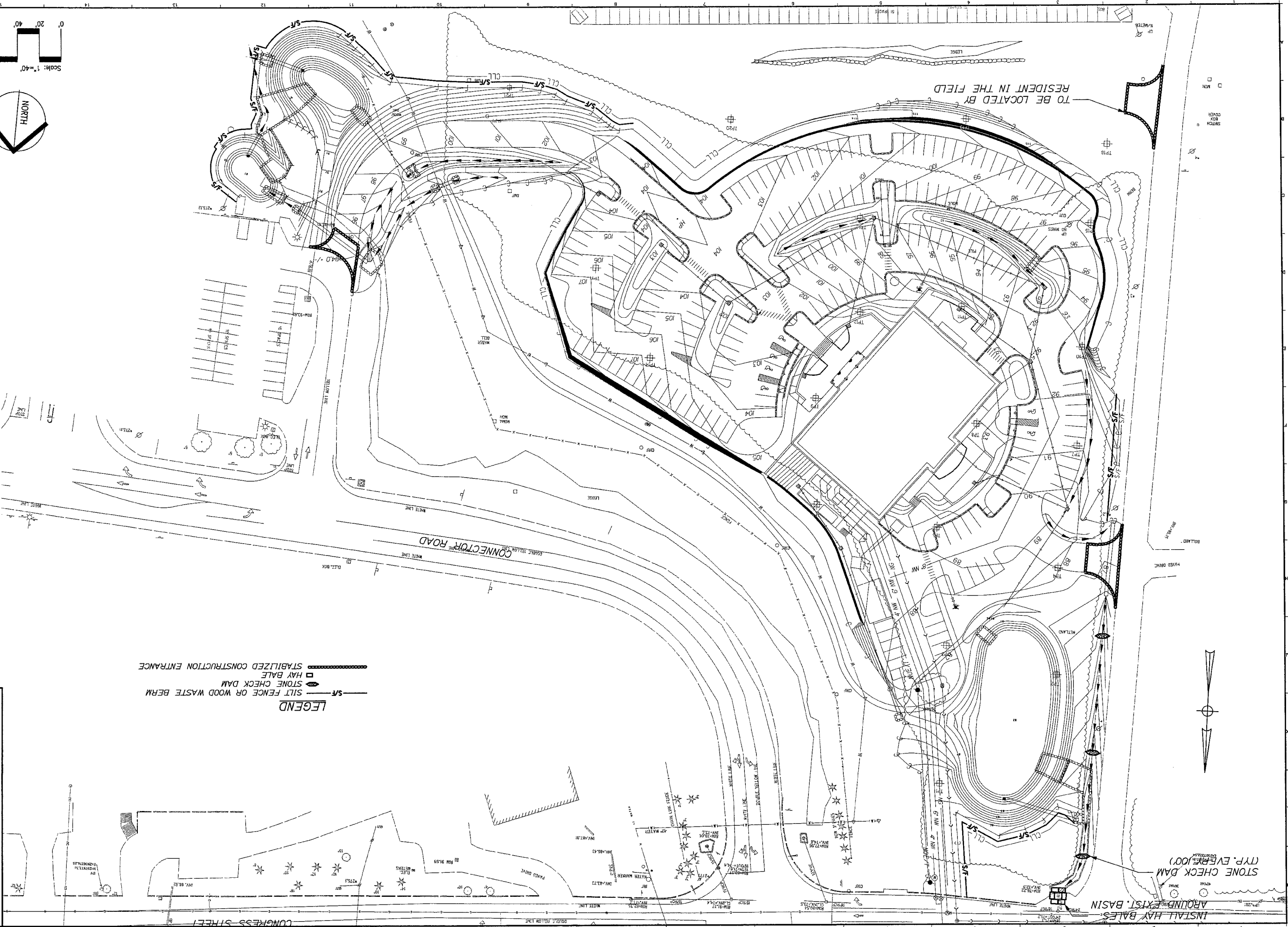
2006-0090

2360 Congress St.

Headquarters Bld.

Maine Turnpike Authority

add to Spreadsheet



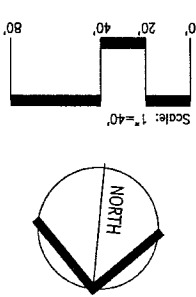
TO BE LOCATED BY
RESIDENT IN THE FIELD

STONE CHECK DAM
(TYP. EVERK.100)

INSTALL HAY BALES
AROUND EXIST. BASIN

LEGEND

- S/F SILT FENCE OR WOOD WASTE BERM
- HAY BALE
- STABILIZED CONSTRUCTION ENTRANCE



SHEET No. CS301

EROSION AND SEDIMENT CONTROL PLAN

DATE: 01/07

PROJECT NO.: 2007.07

CAD FILE: X

A/E OF RECORD: GAB

JG/DRAWN BY: MFC

PROJECT MANAGER: GAB

SCALE: AS NOTED

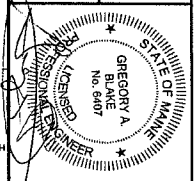
GRAPHIC SCALE:

REV	DESCRIPTION	DATE
0	PRE-SUBMITTAL	1-18-07

PROJECT TITLE:

**MAINE TURNPIKE AUTHORITY
ADMINISTRATION BUILDING**
PORTLAND, MAINE

ISSUED FOR PERMITTING
2-09-07



ARCHITECTURE ENGINEERING PLANNING

HNTB

144 FORD STREET, 7TH, BOX 618
PORTLAND, MAINE 04104
TEL: (207) 772-3846
FAX: (207) 772-1070

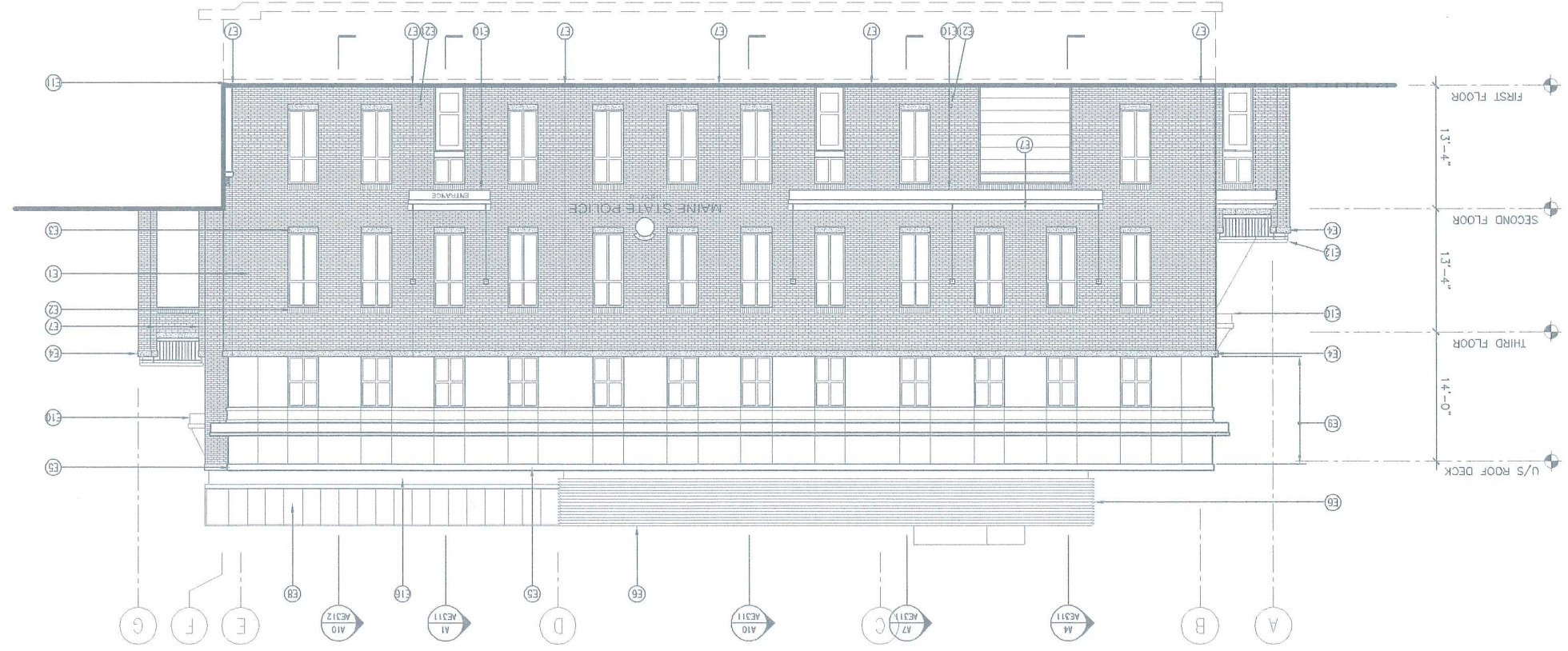


PREPARED BY:

HNTB

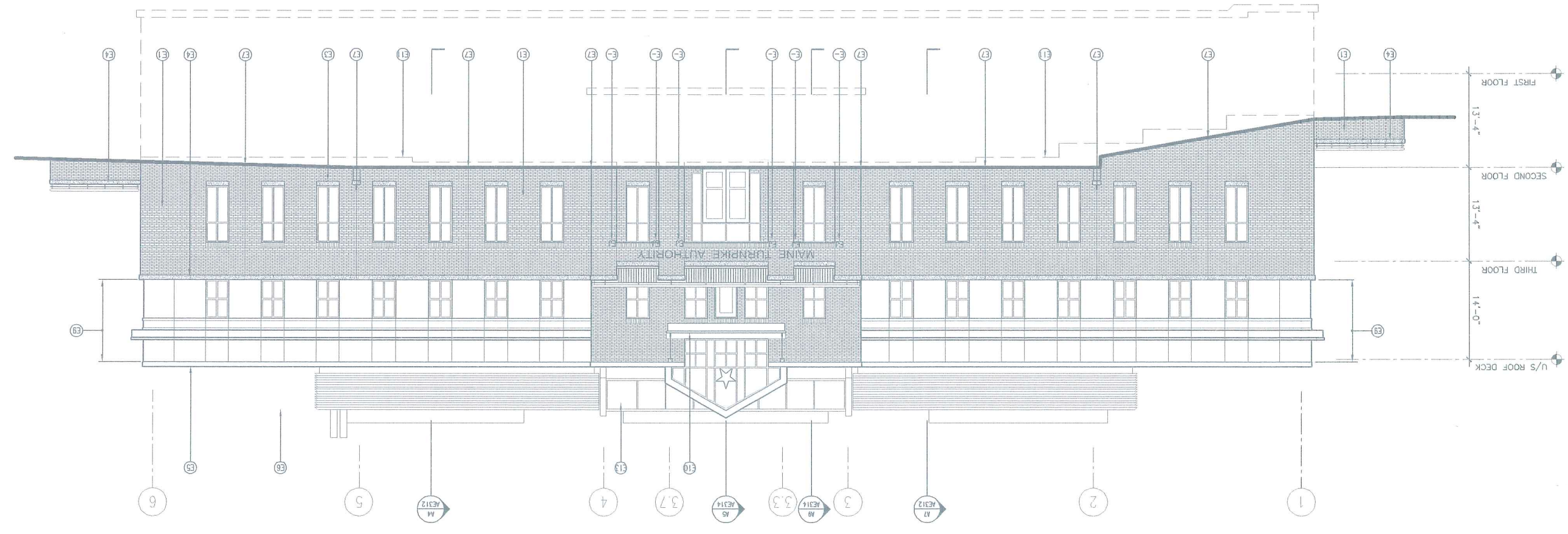
HNTB CORP.
2 THOMAS DRIVE
WESTBROOK, ME
04092

A1 EXTERIOR ELEVATION - WEST



- GENERAL NOTES:**
 1. SEE G101 FOR PROJECT GENERAL NOTES.
- ELEVATION KEY NOTES:**
- E1 FACE BRICK MASONRY
 - E2 FACE BRICK SOLDIER COURSE
 - E3 GRANITE SILL
 - E4 GRANITE COPING
 - E5 FASCIA
 - E6 LOUVERED SCREEN WALL
 - E7 MASONRY EXPANSION JOINT
 - E8 STANDING SEAM METAL ROOF
 - E9 METAL-FACED COMPOSITE WALL PANEL ASSEMBLY
 - E10 METAL-FACED COMPOSITE CANOPY FASCIA
 - E11 BRICK SHELF
 - E12 GUARD RAIL
 - E13 FIBERGLASS SANDWICH PANEL SKYLIGHT ASSEMBLY
 - E14 RECESSED FACE BRICK AT MASONRY OPENING
 - E15 METAL FLASHING
 - E16 METAL-FACED COMPOSITE WALL PANEL KNEEWALL
 - E17 EQUIPMENT PAD
 - E18 ELECTRICAL METER
 - E19 SANITARY DRAIN PENETRATION
 - E20 STORM DRAIN PENETRATION
 - E21 ELECTRICAL OUTLET
 - E22 GAS METER
 - E23 -
 - E24 WATER/SPRINKLER ENTRANCE
 - E25 ELECTRICAL DUCT BANK

G1 EXTERIOR ELEVATION - SOUTH



PROJECT TITLE:
 MAINE TURNPIKE AUTHORITY
 ADMINISTRATION BUILDING
 PORTLAND, MAINE

CURRENT ISSUE STATUS:
 RENEW
 2-20-07

PROJECT NO.: 09016
DATE:
GRAPHIC SCALE: 1" = 0'-0"
SCALE: AS NOTED
PROJECT MANAGER: SLB
JC/DRAINING: TCM/TOM
A/E OF RECORD: SLB
CD FILE: AE201-09016
SHEET No.: AE201

REV	DESCRIPTION	DATE

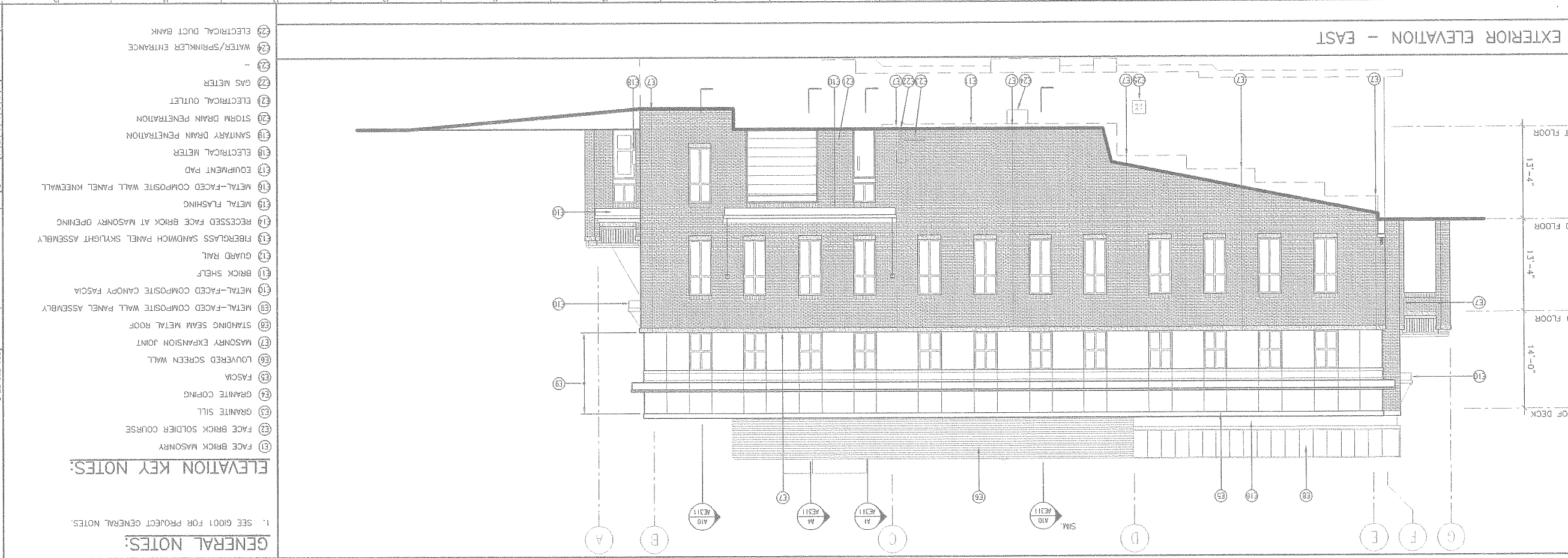
ARCHITECTURE ENGINEERING PLANNING
 SMT
 144 Fore Street P.O. Box 618
 Portland, Maine 04104
 Tel. (207) 772-3866
 Fax. (207) 772-1070



29aa

1/8" = 1'-0"

A1 EXTERIOR ELEVATION - EAST



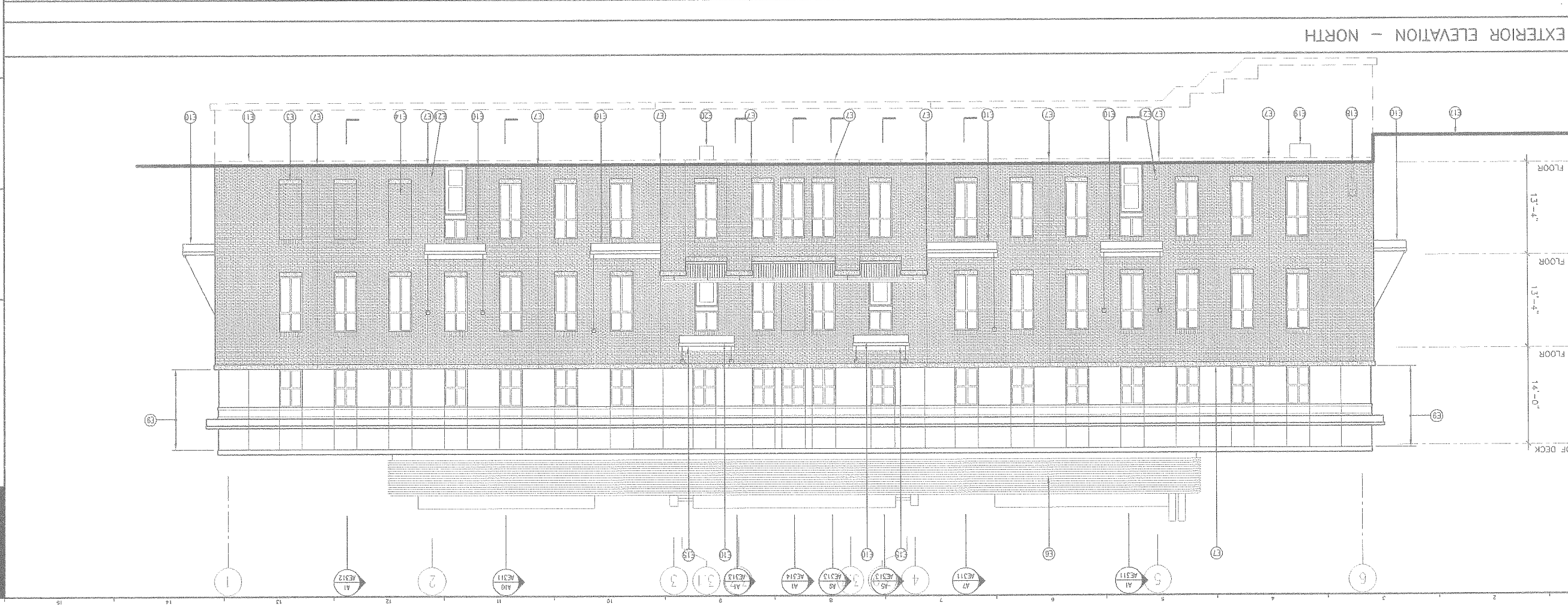
- ELEVATION KEY NOTES:**
- 11 FACE BRICK MASONRY
 - 12 FACE BRICK SOLDIER COURSE
 - 13 GRANITE SILL
 - 14 GRANITE COPING
 - 15 FASCIA
 - 16 LOUVERED SCREEN WALL
 - 17 MASONRY EXPANSION JOINT
 - 18 STANDING SEAM METAL ROOF
 - 19 METAL-FACED COMPOSITE WALL PANEL ASSEMBLY
 - 20 METAL-FACED COMPOSITE CANOPY FASCIA
 - 21 BRICK SHELF
 - 22 GUARD RAIL
 - 23 FIBERGLASS SANDWICH PANEL SKYLIGHT ASSEMBLY
 - 24 RECESSED FACE BRICK AT MASONRY OPENING
 - 25 METAL FLASHING
 - 26 METAL-FACED COMPOSITE WALL PANEL KNEEWALL
 - 27 EQUIPMENT PAD
 - 28 ELECTRICAL METER
 - 29 SANITARY DRAIN PENETRATION
 - 30 STORM DRAIN PENETRATION
 - 31 ELECTRICAL OUTLET
 - 32 GAS METER
 - 33 WATER/SPRINKLER ENTRANCE
 - 34 ELECTRICAL DUCT BANK

GENERAL NOTES:

1. SEE G101 FOR PROJECT GENERAL NOTES.

1/8" = 1'-0"

G1 EXTERIOR ELEVATION - NORTH



PROJECT TITLE:
MAINE TURNPIKE AUTHORITY
ADMINISTRATION BUILDING
 PORTLAND, MAINE

ARCHITECTURE ENGINEERING PLANNING
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 Tel. (207) 773-3065
 Fax. (207) 773-1070

RENEW
 2-20-07

PROGRESS PRINT

GENERAL NOTES:

1. SEE G101 FOR PROJECT GENERAL NOTES.

ELEVATION KEY NOTES:

- 11 FACE BRICK MASONRY
- 12 FACE BRICK SOLDIER COURSE
- 13 GRANITE SILL
- 14 GRANITE COPING
- 15 FASCIA
- 16 LOUVERED SCREEN WALL
- 17 MASONRY EXPANSION JOINT
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- 32 GAS METER
- 33 WATER/SPRINKLER ENTRANCE
- 34 ELECTRICAL DUCT BANK

GENERAL NOTES:

1. SEE G101 FOR PROJECT GENERAL NOTES.

ELEVATION KEY NOTES:

- 11 FACE BRICK MASONRY
- 12 FACE BRICK SOLDIER COURSE
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- 32 GAS METER
- 33 WATER/SPRINKLER ENTRANCE
- 34 ELECTRICAL DUCT BANK

EROSION AND SEDIMENTATION CONTROL NOTES

1. CONTRACTOR SHALL FOLLOW BEST MANAGEMENT PRACTICES OF THE CUMBERLAND COUNTY SOIL CONSERVATION SERVICE AND THE MAINE DOT BEST MANAGEMENT PRACTICES HANDBOOK.

GENERAL EROSION AND SEDIMENTATION CONTROL PRACTICES

1. EROSION/SEDIMENT CONTROL DEVICES: THE FOLLOWING EROSION SEDIMENTATION CONTROL DEVICES ARE PROPOSED FOR CONSTRUCTION ON THIS PROJECT. INSTALL ALL THESE DEVICES AS INDICATED ON THE PLANS.

11. SILT FENCE: SILT FENCE WILL BE INSTALLED ALONG THE DOWN GRADIENT EDGES OF DISTURBED AREAS TO TRAP BROWN SEDIMENTS UNTIL THE SITE IS STABILIZED. IN AREAS WHERE STORMWATER DISCHARGES, THE SILT FENCE WILL BE REINFORCED WITH HAY BALES TO HELP MAINTAIN THE INTEGRITY OF THE SILT FENCE AND TO PROVIDE ADDITIONAL TREATMENT. UPSTREAM GRADIENT FROM SILT FENCE SHALL NOT EXCEED 200 LINEAR FEET PER LINEAR FOOT OF TEMPORARY FENCE. WOOD WASTE COMPOST/BARK FILTER BEAMS MAY BE USED IN LIEU OF SILT FENCE, AS APPROVED BY THE RESIDENT ENGINEER.

12. HAY BALES ARE TO BE PLACED IN LOW FLOW DRAINAGE SWALES AND PATHS TO TRAP SEDIMENTS AND REDUCE RUNOFF VELOCITIES. DO NOT PLACE HAY BALES IN FLOWING WATER OR STRAITS. DUMPED STONE CHECK DAMS MAY BE USED IN LIEU OF HAY BALES TO ACHIEVE THE SAME RESULT.

13. RIPRAP: PROVIDE RIPRAP IN AREAS WHERE CULVERTS DISCHARGE OR AS SHOWN ON THE PLANS.

14. LOAM SEED & MULCH: ALL DISTURBED AREAS WHICH ARE NOT OTHERWISE TREATED, SHALL RECEIVE PERMANENT SEEDING AND MULCH TO STABILIZE THE DISTURBED AREAS. THE DISTURBED AREAS WILL BE REVEGETATED WITHIN 5 DAYS OF FINAL GRADING. SEEDING REQUIREMENTS ARE PROVIDED AT THE END OF THIS SPECIFICATION.

2. TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES: PROVIDE THE FOLLOWING TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION OF THE FACILITY:

- 21. PLACE SITUATION FENCE OR FILTER BERM ALONG THE DOWNGRADIENT SIDE OF THE ROADWAY AND PARKING AREAS AND OF ALL FILL SECTIONS. THE FENCE OR BERM WILL REMAIN IN PLACE UNTIL THE SITE IS 85% REVEGETATED.
- 22. HAY BALES PLACED AT KEY LOCATIONS TO SUPPLEMENT THE SILT FENCE
- 23. PROTECT TEMPORARY STOCKPILES OF STUMPS, GRUBBINGS, OR COMMON EXCAVATION AS FOLLOWS:
 - A. SOIL STICKLE SLOPES SHALL NOT EXCEED 2:1
 - B. AVOID PLACING TEMPORARY STOCKPILES IN AREAS WITH SLOPES OVER 10 PERCENT, OR NEAR DRAINAGE SWALES. SEE ITEM 3 IN CONSTRUCTION PHASE NOTES BELOW.
 - C. STABILIZE STOCKPILES WITHIN 15 DAYS BY TEMPORARILY SEEDING WITH HYDROSEED OR BY COVERING THE STOCKPILE.
 - D. SURROUND STOCKPILE SOIL WITH SILT FENCE AT BASE OF PILE.
- 24. ALL DEMOLISHED AREAS WHICH HAVE BEEN ROUGH GRADED AND ARE NOT LOCATED WITHIN THE BUILDING PAD OR PARKING AND DRIVEWAY SUBBASE AREAS SHALL RECEIVE MULCH WITHIN 30 DAYS OF INITIAL COMPLETION OF SOIL OR WITHIN 15 DAYS AFTER COMPLETING THE ROUGH GRADING OPERATIONS. IN THE EVENT THE CONTRACTOR COMPLETES FINAL GRADING AND INSTALLATION OF LOAM SEED AND MULCH WITHIN THE PRESENTED ABOVE, INSTALLATION OF MULCH AND NETTING, WHERE APPLICABLE, IS NOT REQUIRED.
- 25. IF WORK IS CONDUCTED BETWEEN OCTOBER 15 AND APRIL 15, ALL DEMOLISHED AREAS ARE TO BE COVERED WITH HAY MULCH, APPLIED AT TWICE THE NORMAL APPLICATION RATE, AND ANCHORED WITH FABRIC NETTING. THE PERIOD BETWEEN FINAL GRADING AND MULCHING SHALL BE REDUCED TO A 15 DAY MAXIMUM.
- 26. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE HAS BEEN STABILIZED OR IN AREAS WHERE PERMANENT EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- 27. PERMANENT EROSION CONTROL MEASURES: THE FOLLOWING PERMANENT CONTROL MEASURES ARE REQUIRED BY THIS EROSION/SEDIMENTATION CONTROL PLAN:
 - 31. ALL AREAS DISTURBED DURING CONSTRUCTION BUT NOT SUBJECT TO OTHER RESTORATION (PAVING, RIPRAP, ETC) WILL BE LOAMED, FERTILIZED AND SEEDED. MATTER TOPSOIL SHALL BE STOCKPILED AND REUSED FOR FINAL RESTORATION WHEN IT IS OF SUFFICIENT QUALITY.
 - 32. NON-LEDE SLOPES GREATER THAN 2:1 WILL RECEIVE RIPRAP.

CONSTRUCTION PHASE

THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION DURING CONSTRUCTION OF THIS PROJECT.

1. ONLY THOSE AREAS UNDER ACTIVE CONSTRUCTION WILL BE CLEARED AND LEFT IN AN UNREVEGETATED CONDITION. IF FINAL GRADING, LOAMING AND SEEDING WILL NOT OCCUR WITHIN 15 DAYS, SEE ITEM NO. 4.

2. PRIOR TO THE START OF CONSTRUCTION IN A SPECIFIC AREA, SILT FENCING, FILTER BEAMS AND/OR HAY BALES WILL BE INSTALLED AT THE TOE OF SLOPE AND IN AREAS AS LOCATED ON THE PLANS TO PROTECT AGAINST EROSION RELATED RAIN APRONS SHALL BE INSTALLED, AS SHOWN ON THE CONSTRUCTION OF CULVERTS AND SWALES. RIP RAP APRONS SHALL BE INSTALLED, AS SHOWN ON THE PLANS.

3. EROSION WILL BE STOCKPILED WHEN NECESSARY IN AREAS WHICH HAVE MINIMUM POTENTIAL FOR SEEDING AND WILL BE REVEGETATED AS SOON AS POSSIBLE FROM THE EXISTING DRAINAGE COURSE. AN AREA AND/OR HAY BALES WILL BE INSTALLED AT THE TOE OF SLOPE AND IN AREAS AS LOCATED ON THE PLANS TO PROTECT AGAINST EROSION RELATED RAIN APRONS SHALL BE INSTALLED, AS SHOWN ON THE CONSTRUCTION OF CULVERTS AND SWALES. RIP RAP APRONS SHALL BE INSTALLED, AS SHOWN ON THE PLANS.

4. ALL DISTURBED AREAS EXPECTED TO REMAIN LONGER THAN 30 DAYS SHALL BE EITHER:

- A. TREATED WITH ANCHORED MULCH IMMEDIATELY, OR
- B. SEEDED WITH CONSERVATION MIX AND MULCH IMMEDIATELY.

5. ALL NON-LEDE GRADING WILL BE HELD TO A MAXIMUM 2:1 SLOPE WHERE PRACTICAL. ALL SLOPES WILL BE STABILIZED WITH PERMANENT SEEDING OR WITH STONE WITHIN 5 DAYS AFTER FINAL GRADING IS COMPLETE. (SEE POST-CONSTRUCTION REVEGETATION FOR SEEDING SPECIFICATION.)

6. ALL CULVERTS WILL BE PROTECTED WITH STONE RIPRAP (0.50-0.6 UNLESS OTHERWISE SPECIFIED) AT INLETS AND OUTLETS.

POST-CONSTRUCTION REVEGETATION

THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION AS SOON AS AN AREA IS READY TO UNDERGO FINAL GRADING.

- 1. A MINIMUM OF 4" OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH AND NATURAL APPEARANCE, OR STONE WILL BE PLACED ON SLOPES TO STABILIZE SURFACES.
- 2. IF FINAL GRADING IS REACHED DURING THE NORMAL GROWING SEASON (4/15 TO 9/15), PERMANENT SEEDING WILL BE PERFORMED. PERMANENT SEEDING WILL BE APPLIED AT A RATE OF 125 LB/1000 SQ. FT. AND BROADCAST SEEDING AT A RATE OF 125 LB/1000 SQ. FT. WILL BE APPLIED. BROADCAST SEEDING AT THE FOLLOWING RATES:
 - LAWNS: RED TOP 0.05 LBS/1000 SF
 - KENTUCKY BLUE GRASS 0.06 LBS/1000 SF
 - CREWING RED FESCUE 0.06 LBS/1000 SF
 - PERENNIAL RYE GRASS 0.11/1000 SF.
- 3. AN AREA SHALL BE MULCHED IMMEDIATELY AFTER IT HAS BEEN SEEDING. MULCHING SHALL CONSIST OF HAY MULCH, HYDRO-MULCH, WHEAT NET OVER MULCH, PRE-MANUFACTURED EROSION MATS OR ANY SUITABLE SUBSTITUTE DEEMED ACCEPTABLE BY THE RESIDENT ENGINEER.
- 4. HAY MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. HAY MULCH SHALL BE SPREAD BY EITHER:
 - I. BEING DRIVEN OVER BY TRACKED CONSTRUCTION EQUIPMENT ON GRADES OF 5% AND LESS.
 - II. HYDRO-MULCHING. A WINTER CONSTRUCTION OR WITH SPRAY-ON.
 - III. WHEAT NETTING. WINTER CONSTRUCTION OR WITH SPRAY-ON.
- 5. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
- 6. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- 7. EXPOSED AREA SHALL BE LIMITED TO THOSE AREAS TO BE MULCHED IN ONE DAY PRIOR TO THE WEEKEND.
- 8. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.
- 9. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB PER 1000 SF (WITH OR WITHOUT SEEDING) OR DOMANT SEED, MULCHED AND ANCHORED SUCH THAT THE SOIL SURFACE IS VISIBLE THROUGH THE MULCH. NOTE: AN AREA IS ALSO CONSIDERED STABLE IF SOODED, COVERED WITH GRAVEL (ROADWAY AND PARKING LOTS) OR STRUCTURAL SAND.
- 10. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 15, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND DOMANT SEED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY PROTECTED FROM THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. STUMPS SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION, UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW, DITCHES TO BE CONTROLLED BY THE INSTALLATION OF BALES OF HAY, SILT FENCE OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS SHOWN ON THE DESIGN DRAWINGS. NOTE: DOMANT SEEDING SHOULD NOT BE ATTEMPTED UNLESS SOIL TEMPERATURE REMAINS BELOW 50 DEGREES AND DAY TIME TEMPERATURES REMAIN IN THE 30'S.

MONITORING SCHEDULE

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MONITORING, MAINTAINING, REPAIRING, REPLACING AND REMOVAL OF ALL EROSION AND SEDIMENTATION CONTROLS OR APPOINTING A QUALIFIED SUBCONTRACTOR TO DO SO. MAINTENANCE MEASURES WILL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, A VISUAL INSPECTION WILL BE MADE OF ALL EROSION AND SEDIMENTATION CONTROLS AS FOLLOWS:

- 1. HAY BALE BARRIERS, SILT FENCE, FILTER BEAMS AND STONE CHECK DAMS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK OR IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL. SEDIMENT TRAPPED BEHIND THESE BARRIERS SHOULD BE REMOVED IMMEDIATELY WHEN IT REACHES A DEPTH OF 18 INCHES OR MORE.
- 2. VISUALLY INSPECT RIPRAP ONCE A WEEK OR AFTER EACH SIGNIFICANT RAINFALL AND REPAIR AS NEEDED. REMOVE SEDIMENT TRAPPED BEHIND THESE BARRIERS ONCE IT ACHAINS A DEPTH EQUAL TO THE HEIGHT OF THE DAM OR RISER. DISTRIBUTE REMOVED SEDIMENT OFF-SITE OR TO AN AREA UNDERGOING FINAL GRADING.
- 3. REVEGETATION OF DISTURBED AREAS WITHIN 25 FT. OF DRAINAGE COURSE/STREAM WILL BE SEEDING WITH WEADOW AREA MIX AND INSPECTED ON A WEEKLY BASIS OR AFTER EACH SIGNIFICANT RAINFALL AND RESEED AS NEEDED AS NEEDED AS NEEDED AS NEEDED UNTIL THE AREA HAS OBTAINED 100% GROWTH RATE. PROVIDE PERMANENT RIPRAP FOR SLOPES IN EXCESS OF 2:1 AND WITHIN 25' OF DRAINAGE COURSE.

WINTER MEASURES

1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.

- 2. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- 3. EXPOSED AREA SHALL BE LIMITED TO THOSE AREAS TO BE MULCHED IN ONE DAY PRIOR TO THE WEEKEND.
- 4. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.
- 5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB PER 1000 SF (WITH OR WITHOUT SEEDING) OR DOMANT SEED, MULCHED AND ANCHORED SUCH THAT THE SOIL SURFACE IS VISIBLE THROUGH THE MULCH. NOTE: AN AREA IS ALSO CONSIDERED STABLE IF SOODED, COVERED WITH GRAVEL (ROADWAY AND PARKING LOTS) OR STRUCTURAL SAND.
- 6. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 15, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND DOMANT SEED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY PROTECTED FROM THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. STUMPS SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION, UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW, DITCHES TO BE CONTROLLED BY THE INSTALLATION OF BALES OF HAY, SILT FENCE OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS SHOWN ON THE DESIGN DRAWINGS. NOTE: DOMANT SEEDING SHOULD NOT BE ATTEMPTED UNLESS SOIL TEMPERATURE REMAINS BELOW 50 DEGREES AND DAY TIME TEMPERATURES REMAIN IN THE 30'S.

SHEET No. CS302

PROJECT TITLE: MAINE TURNPIKE AUTHORITY ADMINISTRATION BUILDING PORTLAND, MAINE

ISSUED FOR PERMITTING 1-16-07

SCALE: AS NOTED

PROJECT MANAGER: GAB

DATE: 01/07

PROJECT NO: 2007.07

CAD FILE: X

A/E OF RECORD: GAB

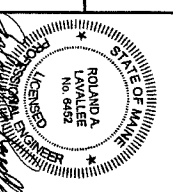
JC/DRAWN BY: MPC

DATE: 01/07

SHEET TITLE: EROSION AND SEDIMENTATION CONTROL NOTES

PROJECT TITLE: MAINE TURNPIKE AUTHORITY ADMINISTRATION BUILDING PORTLAND, MAINE

ISSUED FOR PERMITTING 1-16-07



ARCHITECTURE ENGINEERING PLANNING

144 Fore Street, Box 618
Portland, Maine 04104
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PREPARED BY: HNTB

HNTB CORP.
2 THOMAS DRIVE
WESTBROOK, ME 04092

SMT
RIT

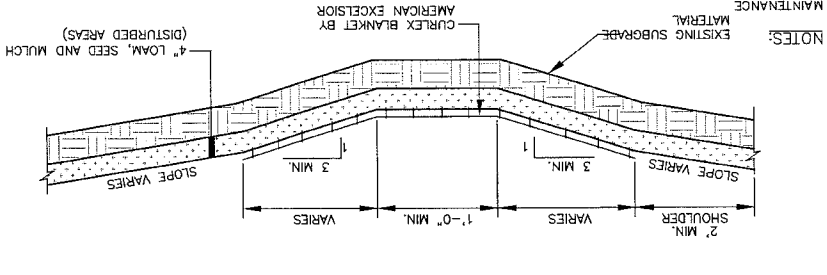
pp 22

J1 NTS

VEGETATED DRAINAGE SWALE

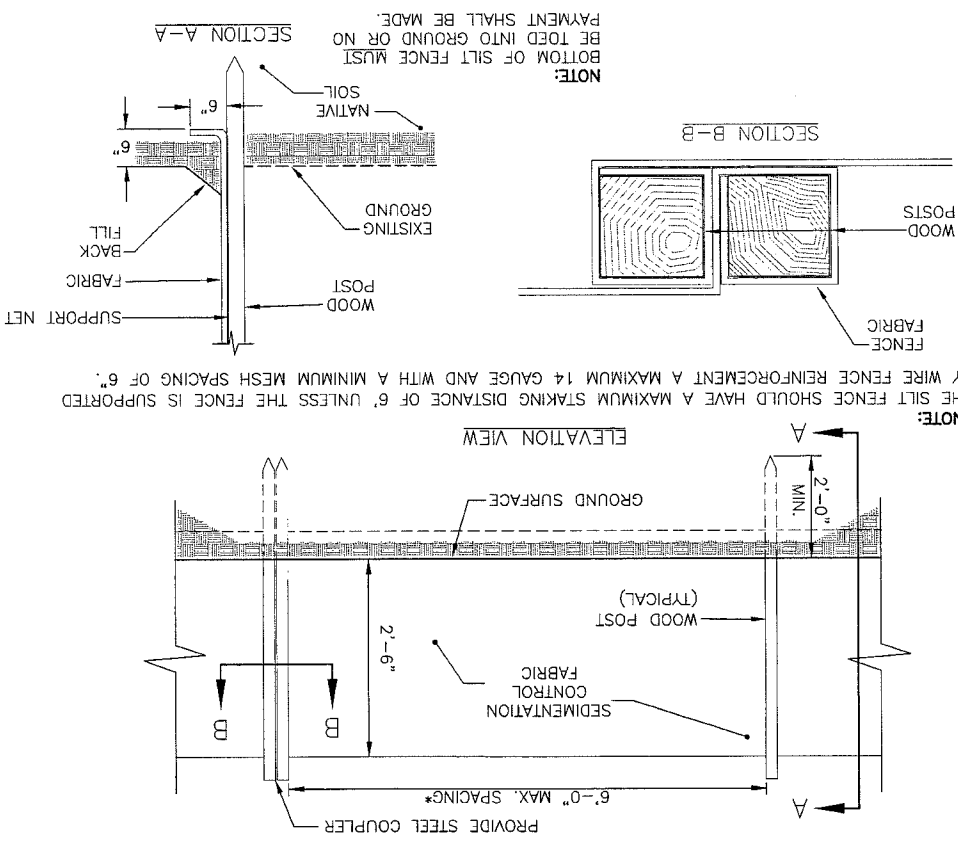
NOTES:

1. THE FOUNDATIONAL AREA OF THE WATERWAY SHALL BE CLEARED AND GRUBBED OF ALL TREES, BRUSH, STUMPS, AND OTHER OBSTRUCTIONABLE MATERIAL. MATERIALS REMOVED SHALL BE DISPOSED OF SO THEY WILL NOT INTERFERE WITH THE CONSTRUCTION OR PROPER FUNCTIONING OF THE WATERWAY.
2. THE WATERWAY SHALL BE EXCAVATED TO MEET THE DESIGN AND GROSS SECTION AS REQUIRED TO MEET THE DESIGN. EARTH FILLS REQUIRED TO MEET SUBGRADE REQUIREMENTS BECAUSE OF OVER EXCAVATION OR TOPOGRAPHY SHALL BE COMPACTED TO THE SAME DENSITY AS THE SURROUNDING SOIL TO PREVENT UNEQUAL SETTLEMENT THAT COULD CAUSE DAMAGE TO THE COMPLETED WATERWAY. EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
3. STONE AND BEDDING FOR ROCK LINED WATERWAYS SHALL MEET THE GRADATION REQUIREMENTS OF THE DESIGN AND SHALL BE DURABLE AND FREE OF SOIL AND OTHER DEBRIS.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER AS TO MINIMIZE EROSION AND AIR AND WATER POLLUTION. ALL APPROPRIATE STATE AND LOCAL LAWS AND REGULATIONS SHALL BE COMPLIED WITH FOR DESIGN AND INSTALLATION.
5. THE WATERWAY SHALL BE STABILIZED USING THE APPROPRIATE BEST MANAGEMENT PRACTICES FOR VEGETATIVE MEASURES OR STONE CENTER.



J1 NTS

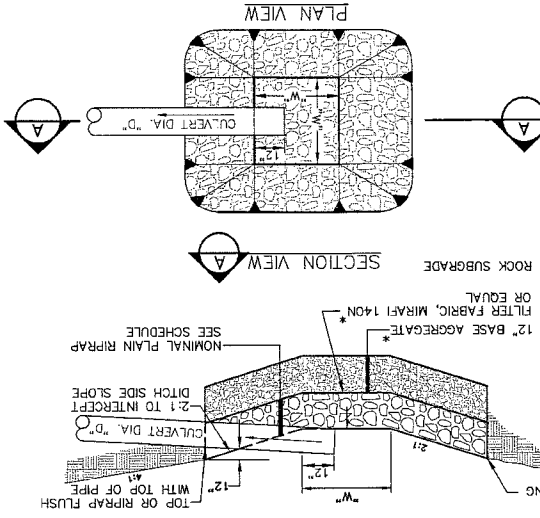
SILTATION FENCE



J1 NTS

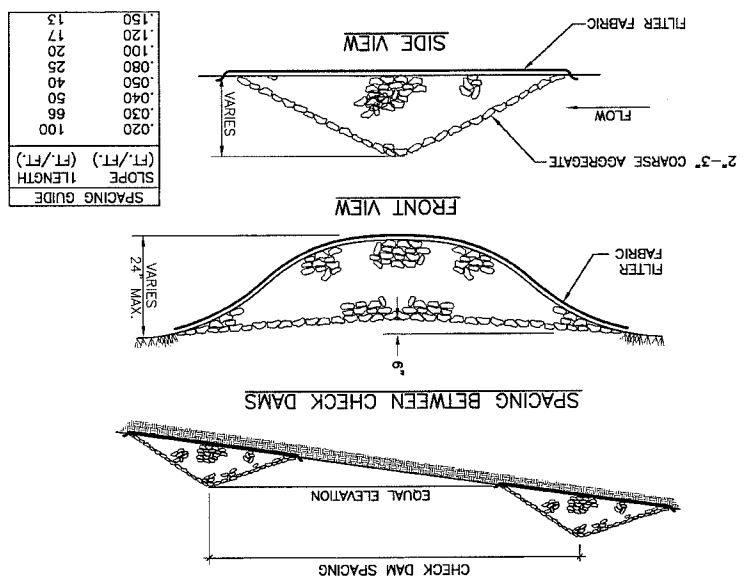
RIPRAP INLET APRON DETAIL

SCHEDULE		
DIAMETER (D)	WIDTH (W)	STONE RIPRAP THICKNESS
10"	4"	14"
12"	4"	14"
14"	6"	14"
18"	6"	14"
24"	10"	14"
36"	9"	14"



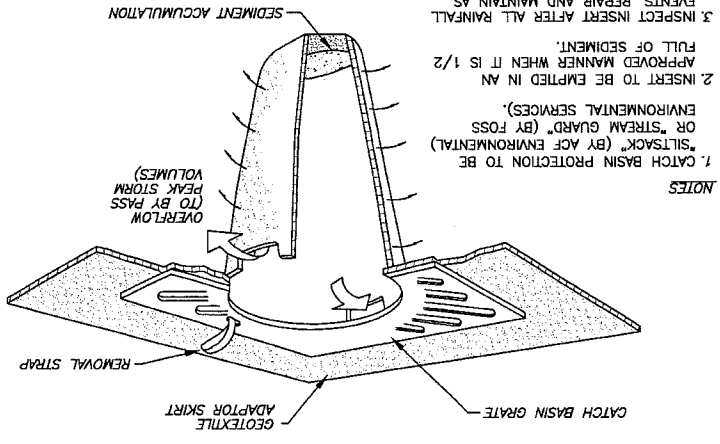
J1 NTS

STONE CHECK DAM



J1 NTS

INLET PROTECTION DETAIL

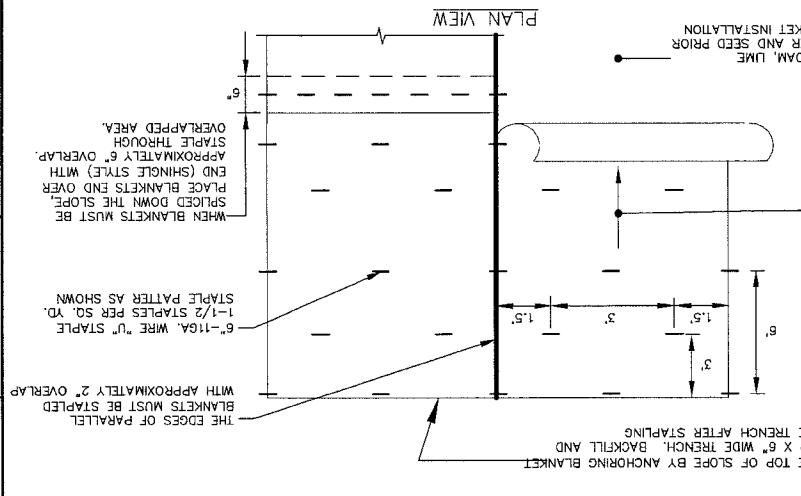


NOTES:

1. CATCH BASIN PROTECTION TO BE "SILTSACK" (BY AGC ENVIRONMENTAL OR "STREAM GUARD" (BY FOSS ENVIRONMENTAL SERVICES).
2. INSERT TO BE EMPTIED IN AN APPROVED MANNER WHEN IT IS 1/2 FULL OF SEDIMENT.
3. INSPECT INSERT AFTER ALL RAINFALL EVENTS, REPAIR AND MAINTAIN AS REQUIRED.

J1 NTS

EROSION CONTROL BLANKET DETAIL



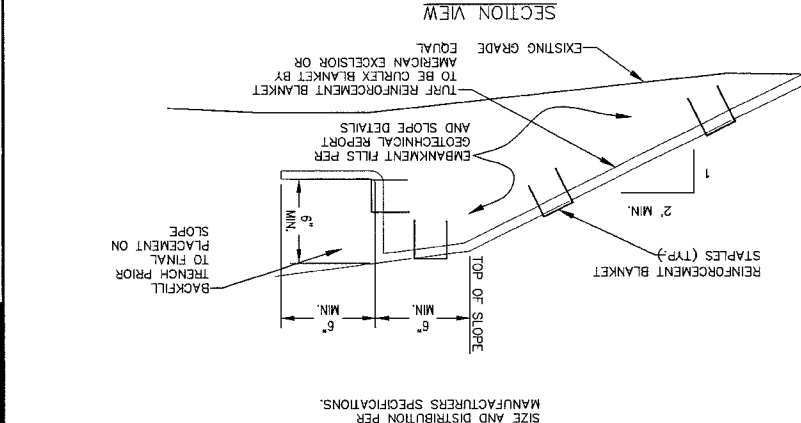
NOTE: REINFORCEMENT STAPLE SIZE AND DISTRIBUTION PER MANUFACTURERS SPECIFICATIONS.

NOTE: BEGIN AT THE TOP OF SLOPE BY ANCHORING BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.

6"-11GA. WIRE "U" STAPLE 1-1/2 STAPLES PER SQ. YD. STAPLE PATTERN AS SHOWN.

WHEN BLANKETS MUST BE PLACED DOWN THE SLOPE, END (SHINGLE STYLE) WITH STAPLE THROUGH APPROXIMATELY 6" OVERLAP.



PROJECT TITLE: MAINE TURNPIKE AUTHORITY ADMINISTRATION BUILDING

ISSUED FOR PERMITTING 1-16-07

DATE: 1-16-07

DESCRIPTION:

REV:

SCALE: GRAPHIC SCALE: 1" = 10'

SCALE: 1" = 10'

PROJECT MANAGER: SLB

J/C/DRAWN BY: TCM/PAF

A/E OF RECORD: MCA

PROJECT NO: 06016

DATE: X

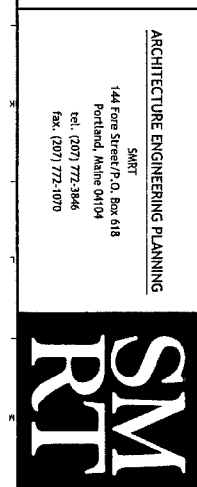
SHEET TITLE: EROSION/SEDIMENT CONTROL DETAILS

CS501

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