

MAINE AIR NATIONAL GUARD

BANGOR AIR NATIONAL GUARD BASE

BANGOR, MAINE

REPAIR PAVEMENTS BUILDING 518

BGS PROJECT # 3620



MAINE AIR NATIONAL GUARD
101ST CIVIL ENGINEERING SQUADRON
106 ASHLEY ST SUITE 486
BANGOR, ME
04401-3051

DESIGNED BY:
GLEN TOMPKINS

DRAWN BY:
GLEN TOMPKINS

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MAJ DANIEL TREMBLEY

REVISION DATE:

DATE:
1 FEB 2023

PROJECT NUMBER:
FKNN152068

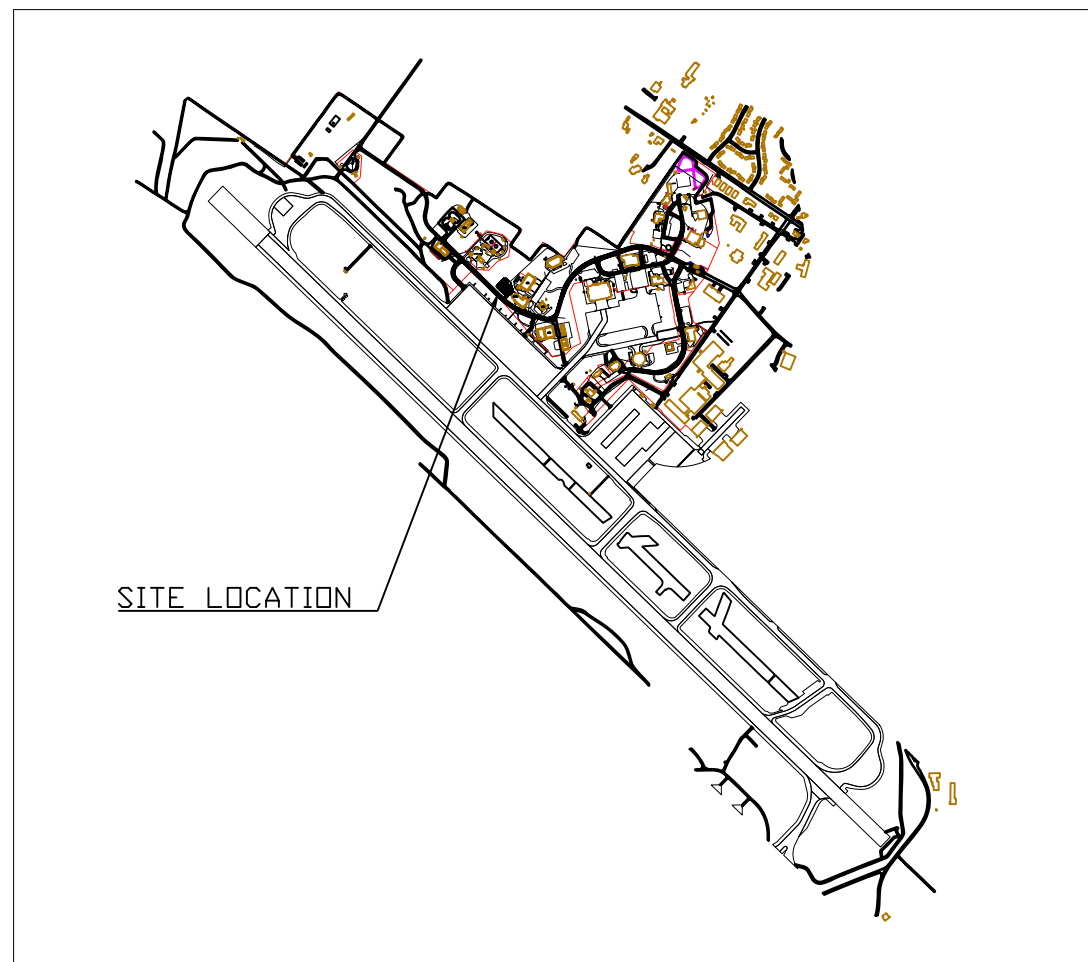


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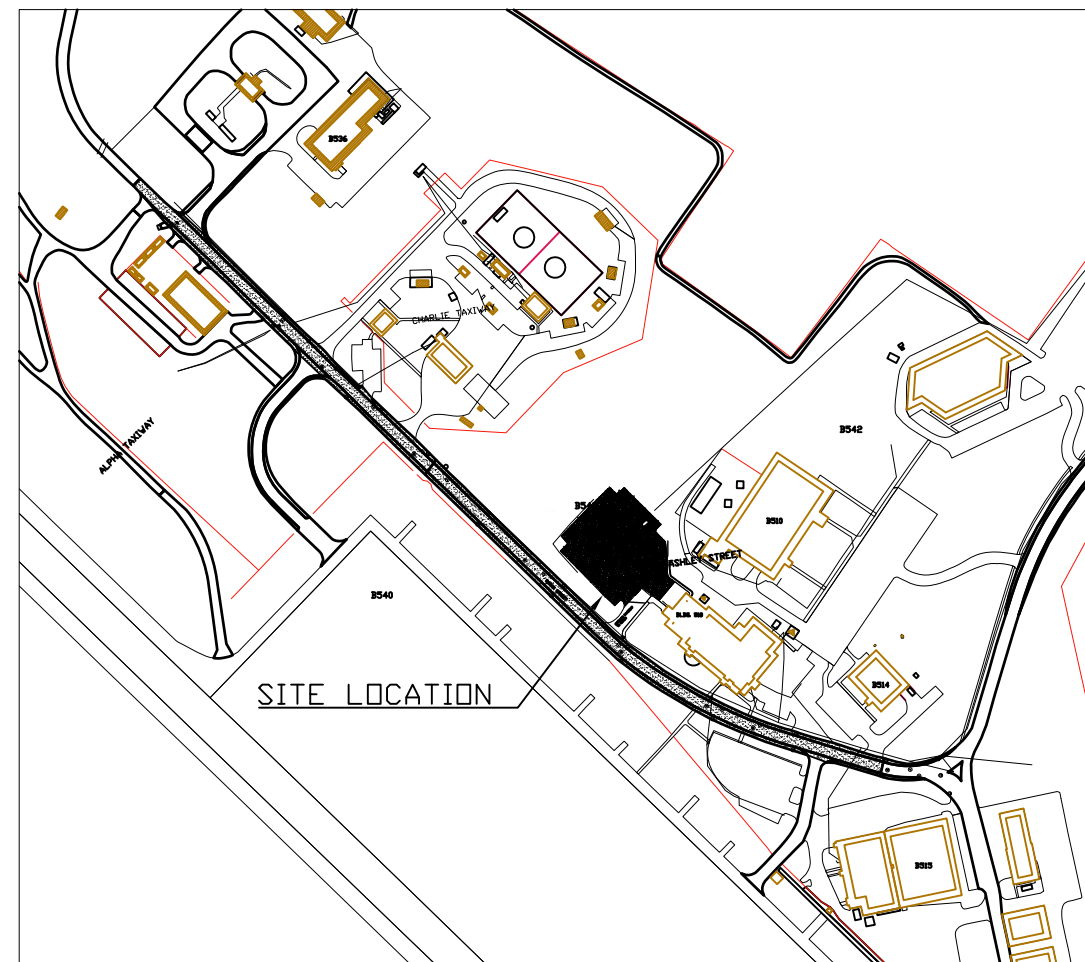
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VICINITY MAP BANGOR INT. AIRPORT



LOCATION MAP MEANG BLDG 518 NTS

NOTES:

1. WORK SHALL CONFORM TO STATE, NATIONAL, AND OTHER CODES AND ORDINANCES WHICH APPLY TO THIS PROJECT. WORK SHALL BE COMPLETED IN COMPLIANCE WITH INDUSTRY STANDARDS AND PERFORMED IN A WORKMAN-LIKE, PROFESSIONAL MANNER.

2. ALL WORK IN PERFORMANCE OF THIS CONTRACT SHALL BE IN CONFORMANCE WITH MDOT STANDARD SPECIFICATION.

3. EXISTING CONDITIONS SHOWN HEREON ARE BASED ON DIGITIZED AERIAL PHOTOS AND SURVEY DATA. CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY CONTRACTING OFFICER WITH ANY DISCREPANCIES. PROCEED WITH WORK ONLY AFTER DISCREPANCY(IES) HAS(HAVE) BEEN RESOLVED BY THE GOVERNMENT.

4. UTILITIES SHOWN HEREON ARE PLACED AT APPROXIMATE LOCATIONS AND ARE INTENDED FOR REFERENCE ONLY. NOT ALL UTILITIES ARE SHOWN. LOCATIONS ARE BASED ON RECORD DRAWINGS AND FIELD SURVEYS. CONTRACTOR SHALL VERIFY EXACT LOCATIONS BEFORE PROCEEDING. CONTRACTOR SHALL OBTAIN AN AF FORM 103 CONDUCT COMMERCIAL DIGSAFE TO CONFIRM UTILITY LOCATION PRIOR TO COMMENCING EXCAVATION OPERATIONS. REQUESTS REQUIRE FIVE (5) BUSINESS DAYS, NOT INCLUDING WEEKENDS OR HOLIDAYS.

5. PROJECT MANAGER SHALL BE ON SITE DURING ALL TESTING AND PAVING OPERATIONS.

6. DRIVEWAY, PARKING LOT, AND SIDEWALK CLOSURES REQUIRE A MINIMUM OF 72 HOURS NOTICE TO CONTRACTING OFFICER.

7. CONTRACTOR SHALL SUBMIT A PAVING LAYOUT PLAN TO MINIMIZE PAVEMENT JOINTS AND ENSURE CONTINUOUS PAVEMENT TO THE BEST EXTENT PRACTICAL. ALL NEW PAVEMENTS INSTALLED ALONG EXISTING PAVEMENTS SHALL HAVE A ONE (1) FOOT MINIMUM OVERLAY JOINT, PER STATEMENT OF WORK, DETAIL 6 DWG. C500.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS WHICH ARE REQUIRED FOR THE SATISFACTORY COMPLETION OF THE WORK.

9. AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A SAFE AND ORDERLY MANNER ACCEPTABLE TO THE CONTRACTING OFFICER.

10. NOTIFY THE CONTRACTING OFFICER OF UNSUITABLE SOILS AND JOINING (ADJACENT) PAVEMENTS.

12. UPON COMPLETION OF WORK EACH DAY THE CONTRACTOR SHALL REMOVE CONSTRUCTION MATERIALS, TOOLS, AND DEBRIS FROM INSTALLATION, THEN RESTORE THE AREA DISTURBED BY THE WORK TO ORIGINAL CONDITION. THE WORK AREA SHALL BE SWEEPED CLEAN AND A FOD WALK COMPLETED AT THE END OF EACH WORK DAY. A SWEEPER/VACUUM TRUCK SHALL BE ON SITE AT ALL TIMES OR AVAILABLE ON CALL WITHIN ONE (1) HOURS NOTICE.

13. ALL NEW PAVEMENTS INSTALLED SHALL BE INSTALLED IN A MANNER THAT ALLOWS FOR POSITIVE DRAINAGE FROM PAVEMENT SURFACE TO STORM DRAINS AND/OR GRASS. CONTRACTOR IS RESPONSIBLE TO DETERMINE AND ACHIEVE FINAL GRADES AND DRAINAGE DIRECTION AND FLOW.

14. PERFORM RE-GRADING AS REQUIRED AT PAVEMENT EDGE TO SUPPORT PROPER DRAINAGE AWAY FROM PAVED SURFACE.

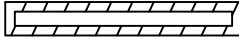
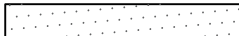

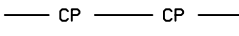
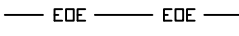
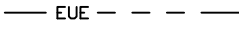
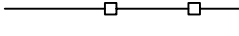



15. CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SYSTEMS AND SURFACES. ALL DAMAGE RESULTING FROM CONTRACTORS OPERATIONS SHALL BE REPAIRED OR REPLACED AS APPROVED BY THE CONTRACTING OFFICER AT NO ADDITIONAL COST TO THE GOVERNMENT.

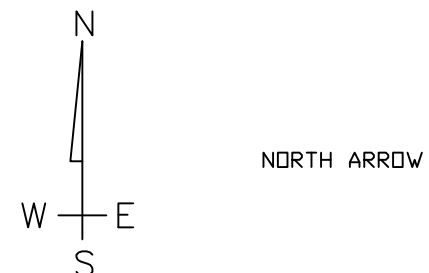
16. THE CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY COVERS, GRATES, FRAMES, AND BOXES TO MATCH NEW ELEVATIONS ON DRAWINGS, FIELD ADJUSTED TO FINISHED GRADES.

ABBREVIATIONS:

ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS
 COR CONTRACTING OFFICER REPRESENTATIVE
 ELEC ELECTRICAL
 FOD FOREIGN OBJECT DEBRIS
 FY FISCAL YEAR
 GAL GALLON
 IN INCH
 LBS POUNDS
 MDOT MAINE DEPARTMENT OF TRANSPORTATION
 MIN MINIMUM
 MM MILLIMETER
 OC ON CENTER
 OH OVERHEAD
 PSI POUNDS PER SQUARE INCH
 SF SQUARE FEET
 TYP TYPICAL
 UG UNDERGROUND

LEGEND:

 EXISTING BUILDING
 NEW PAVEMENT
 EXISTING PAVEMENT
 EXISTING CULVERT
 EXISTING OVERHEAD ELECTRICAL
 EXISTING UNDERGROUND ELECTRICAL
 FENCELINE
 VALVE
 MANHOLE
 CATCH BASIN



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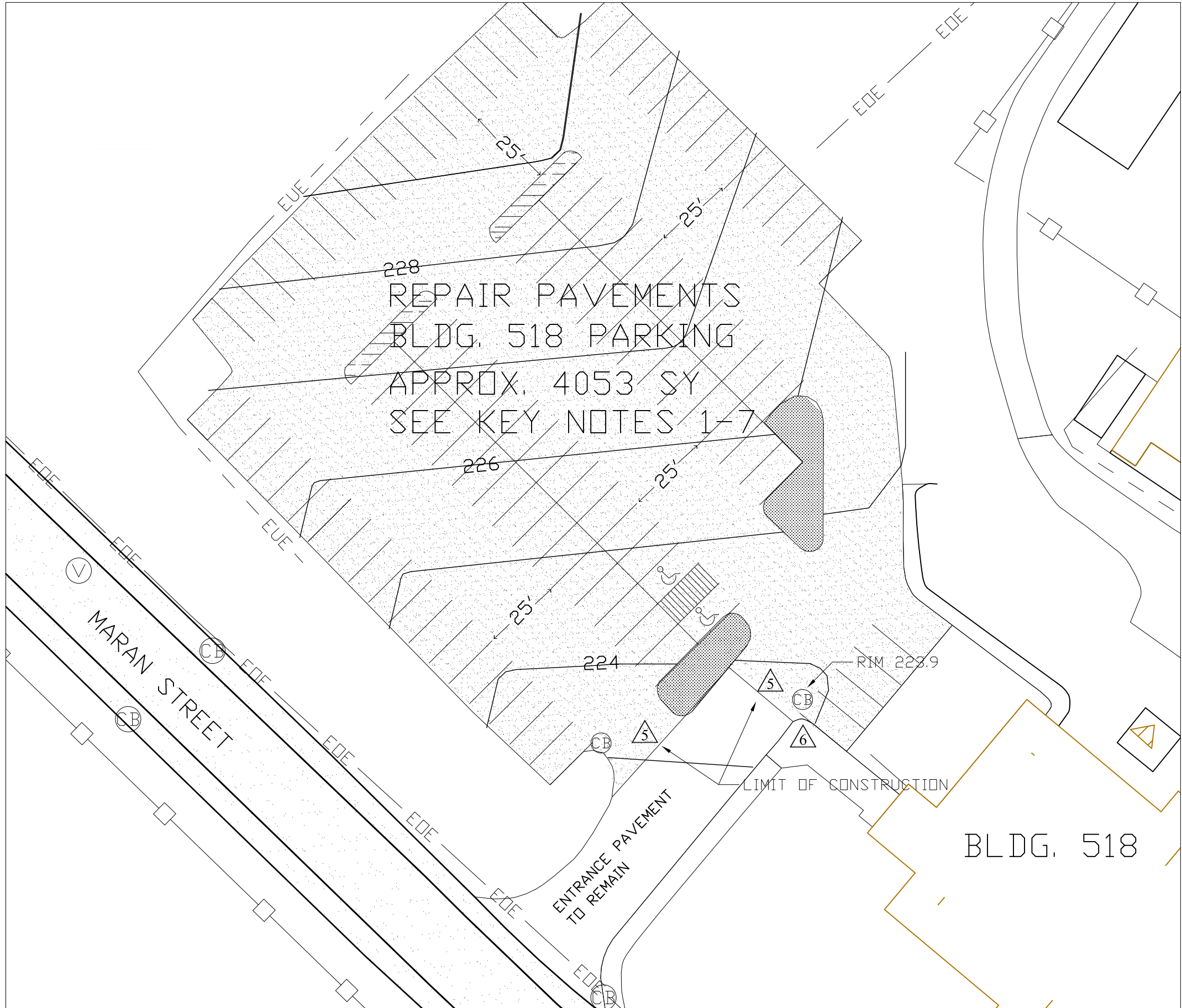
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NOTES
 G-101



CONSTRUCTION KEY NOTES:
(THIS SHEET ONLY)

- 1 REMOVE EXISTING PAVEMENT APPROX. 3 INCHES.
- 2 FINE GRADE AND RE-COMPACT EXISTING BASE GRAVEL TO MATCH EXISTING GRADES.
- 3 PLACE 1.5 INCH BINDER COURSE 12.5 MM PAVEMENT
- 4 PLACE 1.5 INCH SURFACE COURSE 9.5 MM PAVEMENT
- 5 CONSTRUCT JOINTS BETWEEN NEW AND EXISTING PAVEMENTS WITH 12 INCH OVERLAP.
- 6 MAINTAIN ADA ACCESS IN PAVEMENT FLUSH AT SIDEWALK
- 7 REPAINT ALL PAVEMENT MARKINGS. PARKING SPACES MEASURE 9'X18'

SYMBOLS: (THIS SHEET ONLY)

- NEW PAVEMENT SHADED
- CULVERT
- OH ELECTRICAL EXISTING
- UG ELECTRICAL NEW
- UTILITY POLE
- LIGHT POLE
- CULVERT IN/OUTLET



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CONSTRUCTION

C-101
SHEET 3 OF 5



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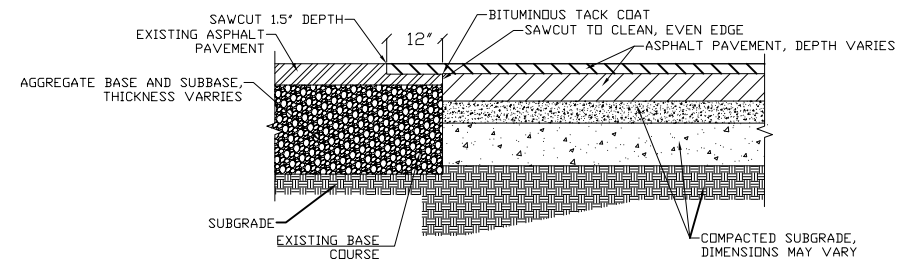
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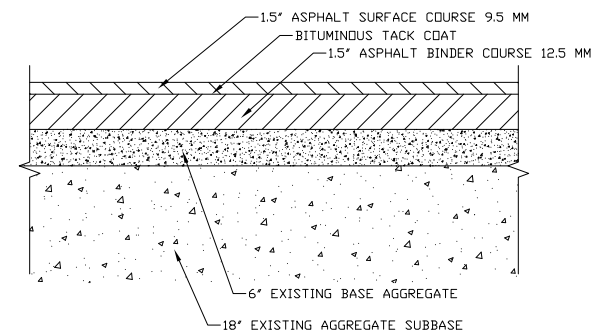
DETAILS
C-500
SHEET 4 OF 5



JOINT NOTES

1. SAWCUT SHALL HAVE A CLEAN VERTICAL EDGE AT EXISTING PAVEMENT.
2. JOINTS SHALL MATCH EXISTING GRADE UNLESS OTHERWISE SPECIFIED.
3. INSTALL THICKENED EDGE ONLY IF DESIGN SPECIFIES FULL PAVEMENT REPLACEMENT.
4. ALL INTERSECTING PAVEMENTS SHALL BE JOINED BY A TWELVE (12) INCH OVERLAP JOINT.

JOINT BETWEEN NEW AND EXISTING PAVEMENTS
NOT TO SCALE



NEW PAVEMENT
NOT TO SCALE



EROSION AND SEDIMENT CONTROL NOTES

A. CONSTRUCTION PLANNING – GENERAL NOTES

- DURING CONSTRUCTION AND THEREAFTER, IMPLEMENT EROSION CONTROL MEASURES AS INDICATED AS WELL AS ANY ADDITIONAL MEASURES NECESSARY TO CONTROL EROSION IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENT CONTROL LAWS. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE DOCUMENT ENTITLED "MAINE EROSION AND SEDIMENT CONTROL BMP'S", DATED MARCH 2003, BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
- LAYOUT THE LIMITS OF SOIL DISTURBANCE ON THE SITE PRIOR TO BEGINNING EARTHWORK OPERATIONS. TO THE EXTENT POSSIBLE, ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING SOIL DISTURBANCE.
- LIMIT AREAS OF EXPOSED SOILS TO THOSE AREAS THAT WILL ACTIVELY BE WORKED TO ESTABLISH FINISH GRADES. AREAS OF EXPOSED SOILS THAT REMAIN UNWORKED FOR MORE THAN 7 DAYS SHALL BE STABILIZED USING TEMPORARY MULCHING (IF THE SOIL WILL BE PERMANENTLY STABILIZED WITHIN 30 DAYS) OR TEMPORARY SEEDING AND MULCHING (IF THE SOIL WILL NOT BE PERMANENTLY STABILIZED WITHIN 30 DAYS). AREAS OF EXPOSED SOILS SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS OF ESTABLISHING FINISH GRADE. DISTURBED SOILS DO NOT INCLUDE COMPACTED STRUCTURAL FILLS SEED FOR ROADS, PARKING LOTS OR SIDEWALKS.
- TEMPORARY EROSION CONTROL MEASURES INCLUDE THE USE OF SILT FENCE, HAY BALE BARRIERS AND TEMPORARY SEEDING AND MULCHING. PERMANENT EROSION CONTROL MEASURES INCLUDE THE USE OF EROSION CONTROL BLANKETS, RIPRAP OUTLET PROTECTION, AND PERMANENT SEEDING AND MULCHING.
- PROVIDE 4 INCHES OF PLANTING SOIL, SEED AND MULCH ON ALL DISTURBED AREAS NOT OTHERWISE SPECIFIED. PERMANENT SEEDING SHALL BE PERFORMED BETWEEN APRIL 15 AND SEPTEMBER 15. WATER ALL VEGETATED AREAS AS NECESSARY TO ESTABLISH A VIGOROUS TURF. REFER TO SPECIFICATION SECTION 329200, "TURF AND GRASSES" FOR REQUIREMENTS FOR PERMANENT SEEDING.
- PROTECT ALL STABILIZED AREAS FROM EROSION AND IMMEDIATELY REPAIR/REVEGETATE ERODED AREAS.
- REMOVE ALL TEMPORARY EROSION CONTROL MEASURES WITHIN 30 DAYS FOLLOWING THE ESTABLISHMENT OF SATISFACTORY STAND OF VEGETATION.

B. DITCH AND CULVERT STABILIZATION

- STABILIZE SECTIONS OF DITCHES, SWALES, AND CHANNELS BROUGHT TO FINAL GRADE WITH A RIPRAP LINING OR PROPERLY INSTALLED EROSION CONTROL BLANKETS (USED OVER PERMANENT SEEDING) WITHIN 24 HOURS.
- USE STONE CHECK DAMS AND TEMPORARY MULCHING IN ANY ROUGH GRADED DITCH THAT WILL NOT BE FINAL GRADED AND PERMANENTLY STABILIZED WITHIN THE NEXT 7 DAYS. THE STONE CHECK DAMS AND MULCHING SHALL BE PUT IN PLACE WITHIN 48 HOURS OR PRIOR TO ANY RAINFALL.
- INSTALL RIPRAP OUTLET PROTECTION WITHIN 24 HOURS OF PLACING STORM DRAIN OUTLETS.

C. SOIL STOCKPILE STABILIZATION

- SOIL AND FILL STOCKPILES EXPECTED TO REMAIN IN PLACE FOR LESS THAN 30 DAYS SHALL BE COVERED WITH HAY MULCH (AT 90 POUNDS HAY PER 1,000 SQUARE FOOT) OR COVERED WITH AN ANCHORED TARP WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL.
- SOIL AND FILL STOCKPILES EXPECTED TO REMAIN LONGER THAN 30 DAYS SHALL BE SEED WITH A CONSERVATION MIX OF ANNUAL RYE GRASS (AT 0.9 POUNDS PER 1,000 SQUARE FOOT) AND HAY MULCHED (AT 90 POUNDS HAY PER 1,000 SQUARE FOOT) WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL.
- ALL SOIL AND FILL STOCKPILES SHALL HAVE A SEDIMENT BARRIER (E.G. HAY BALE BARRIER OR SILT FENCING) INSTALLED AROUND THE DOWNHILL EDGE OF THE STOCKPILE TO TRAP SEDIMENTS.

D. MAINTENANCE DURING CONSTRUCTION

- MAINTAIN EROSION CONTROL MEASURES FOR THE LIFE OF THE PROJECT AND UNTIL PERMANENT STABILIZATION OF THE ENTIRE SITE IS ESTABLISHED. PERMANENT STABILIZATION SHALL CONSIST OF AT LEAST 85 PERCENT VEGETATION, GRAVEL OR SAND SURFACING OR RIPRAP.
- INSPECTION EROSION CONTROL MEASURES AND OTHER AREAS OF THE SITE WEEKLY, BEFORE AND AFTER EACH RAIN EVENT, AND PRIOR TO COMPLETING PERMANENT STABILIZATION. PROMPTLY REPAIR/REPLACE ALL MEASURES DAMAGED OR OTHERWISE NOT FUNCTIONING AS INTENDED.
- MAINTAIN A LOG (REPORT) SUMMARIZING THE INSPECTIONS AND CORRECTIVE ACTION TAKEN. THE LOG SHALL INCLUDE THE NAME AND QUALIFICATIONS OF THE PERSON MAKING THE INSPECTIONS, THE DATE OF THE INSPECTIONS, AND MAJOR OBSERVATIONS ABOUT THE OPERATIONS AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS, MATERIAL STORAGE AREAS, AND VEHICLE ACCESS POINTS. THE LOG SHALL BE MADE ACCESSIBLE TO MDEP STAFF AND A COPY PROVIDED UPON REQUEST.
- SEDIMENT ACCUMULATIONS SHALL BE REMOVED FROM SILT FENCES AND HAY BALE BARRIERS WHEN THE SEDIMENT DEPTH EXCEEDS 6 INCHES.

E. TEMPORARY SEEDING

- BEDDING- REMOVE STONES AND TRASH THAT WILL INTERFERE WITH SEEDING THE AREAS. WHERE FEASIBLE, TILL THE SOIL TO A DEPTH OF ABOUT 3 INCHES TO PREPARE SEED BED AND MIX THE FERTILIZER INTO THE SOIL.
- FERTILIZER- FERTILIZERS SHALL BE UNIFORMLY SPREAD OVER THE AREA PRIOR TO BEING TILLED INTO THE SOIL. A 10-10-10 MIX FERTILIZER SHALL BE APPLIED AT A RATE OF 300 POUNDS PER ACRE (OR 7 POUNDS PER 1,000 SQUARE FOOT).
- SEED MIXTURE- USE ANY OF THE FOLLOWING IN UPLAND AREAS:

SPECIES	PER ACRE	PER 1,000 SF	DATES	DEPTH
WINTER RYE	112 LBS	2.5 LBS	8/15-9/5	1 IN
OATS	80 LBS	2.0 LBS	SPRING-5/15	1 IN
ANNUAL RYE GRASS	40 LBS	1.0 LBS	4/15-9/15 WITH MULCH	0.25 IN

- MULCHING FOR TEMPORARY SEEDING- MULCH THE SEEDING AREA TO FACILITATE GERMINATION. APPLY MULCH IN THE FORM OF HAY OR STRAW AT A RATE OF 70 TO 90 LBS PER 1,000 SQUARE FOOT.

F. PERMANENT SEEDING

- SUBMIT "TURF AND GRASSES" SEEDING MIX FOR APPROVAL.

G. MULCHING

- TEMPORARY MULCHING SHALL BE USED ON SLOPES, CHANNELS, OTHER EROSION PRONE AREAS, AND ALL EXPOSED SOILS THAT CANNOT RECEIVE PERMANENT COVER WITH 7 DAYS OF DISTURBANCE. MULCH SHALL ALSO BE USED FOLLOWING TEMPORARY AND PERMANENT SEEDING AS SPECIFIED.

MULCH TYPE RATE/1,000 SF USE AND COMMENTS

HAY OR STRAW	70 TO 90 LBS	SHALL BE DRY AND FREE OF MOLD. MAY BE USED WITH PLANTINGS.
WOOD CHIPS OR BARK MULCH	60 TO 920 LBS	USED MOSTLY WITH TREES AND SHRUB PLANTINGS.
JUTE AND FIBROUS MATTING	PER MANUFACTURERS' SPECIFICATIONS	USE ON SLOPES, SWALES, AND OTHER EROSION- PRONE AREAS.
CRUSHED STONE 1/4" TO 1-1/2"	SPREAD MORE THAN 1/2" THICK	EFFECTIVE IN CONTROLLING WIND AND WATER EROSION.

H. EROSION CONTROL BLANKET SPECIFICATIONS

- EXCERSON EROSION CONTROL BLANKET SHALL CONSIST OF A MACHINE PRODUCED MESH OF CURLED WOOD EXCELSON COVERED WITH EITHER A 3 BY 1 INCH WEAVE OF TWISTED CRAFT PAPER OR A 2 BY 1 INCH BIODEGRADABLE EXTRUDED PLASTIC NETTING. THE MESH SHALL BE A CONSISTENT THICKNESS WITH FIBERS EVENLY DISTRIBUTED THROUGHOUT. 80 PERCENT OF THE FIBERS SHALL BE OVER 6 INCHES IN LENGTH. MINIMUM WIDTH: 48 INCHES, MINIMUM WEIGHT: 0.8 POUNDS PER SQUARE YARD.
- STRAW- COCONUT EROSION CONTROL BLANKET SHALL CONSIST OF A MACHINE PRODUCED MESH OF 70 PERCENT WHEAT STRAW AND 30 PERCENT COCONUT FIBER WITH PHOTODEGRADABLE NETTING ON BOTH SIDES AND SEWN TOGETHER WITH COTTON THREAD. MINIMUM WIDTH: 48 INCHES, MINIMUM WEIGHT: 0.75 POUNDS PER SQUARE YARD.
- JUTE EROSION CONTROL BLANKET SHALL BE UNIFORM PLAIN WEAVE SINGLE JUTE YARN AVERAGING APPROXIMATELY 130 POUNDS PER SPINDLE OF 14,400 YARDS. THE YARN SHALL BE LOOSELY TWISTED AND WOVEN INTO 48 INCH WIDE BLANKETS WITH A MINIMUM AVERAGE WEIGHT OF 1.0 POUNDS PER SQUARE YARD.

I. RIPRAP SPECIFICATION

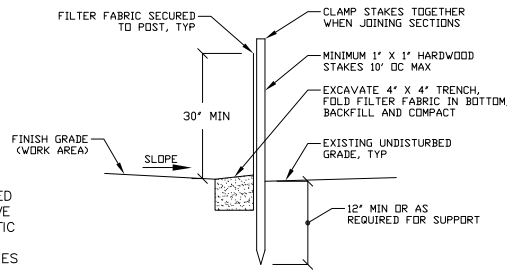
- RIPRAP SHALL CONSIST OF SOUND, DURABLE ROCK WHICH WILL NOT DISINTEGRATE BY EXPOSURE TO WATER OR WEATHER. ANGULAR FIELD STONE, ROUGH QUARRY STONE OR BLASTED LEDGE ROCK MAY BE USED. THE MEDIAN STONE SIZE SHALL BE AS INDICATED. THE MAXIMUM STONE SIZE SHALL BE TWICE THE MEDIAN SIZE. INCLUDE ENOUGH SMALLER STONES TO FILL THE VOIDS IN THE LARGER STONES.

J. WINTER STABILIZATION

- DISTURBED SLOPES- THIS STANDARD APPLIES TO ALL SLOPED GREATER THAN 15 PERCENT. THE CONTRACTOR SHALL SEED AND MULCH ALL SLOPES TO BE VEGETATED BY OCTOBER 1ST. IF THE CONTRACTOR FAILS TO STABILIZE ANY SLOPE TO BE VEGETATED BY OCTOBER 1ST, THE CONTRACTOR SHALL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER.
 - STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS- BY OCTOBER 1ST THE CONTRACTOR SHALL SEED THE DISTURBED SLOPE WITH ANNUAL RYEGRASS AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND THEN INSTALL EROSION CONTROL MATS OR ANCHORED HAY MULCH OVER THE SEEDING. THE CONTRACTOR SHALL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 70 PERCENT OF THE SLOPE BY NOVEMBER 1ST, THEN THE CONTRACTOR SHALL COVER THE SLOPE WITH A LAYER OF EROSION CONTROL MIX AS DESCRIBED IN PARAGRAPH 2b BELOW.
 - STABILIZE THE SLOPE WITH EROSION CONTROL MIX- THE CONTRACTOR SHALL PLACE A 6 INCH LAYER OF EROSION CONTROL MIX ON THE SLOPE BY NOVEMBER 15TH.
- DISTURBED SOILS- THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED SOILS ON THE SITE BY OCTOBER 1ST. IF THE CONTRACTOR FAILS TO STABILIZE DISTURBED AREAS BY OCTOBER 1ST, THE CONTRACTOR SHALL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER.
 - STABILIZE THE SOIL WITH TEMPORARY VEGETATION- BY OCTOBER 1ST THE CONTRACTOR SHALL MULCH THE DISTURBED SOILS WITH ANNUAL RYEGRASS AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, LIGHTLY MULCH THE SEEDING SOIL WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. THE CONTRACTOR SHALL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75 PERCENT OF THE DISTURBED SOIL BEFORE NOVEMBER 1ST, THEN THE CONTRACTOR SHALL MULCH THE ARE FOR OVER-WINTER PROTECTION AS DESCRIBED IN PARAGRAPH 2b BELOW.
 - STABILIZE THE SOIL WITH MULCH- BY NOVEMBER 15TH THE CONTRACTOR SHALL MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET ON THE AREA SO THAT NO SOIL IS VISIBLE THROUGH THE MULCH. IMMEDIATELY AFTER APPLYING THE MULCH, THE CONTRACTOR SHALL ANCHOR THE MULCH WITH NETTING OR OTHER METHODS TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.

K. DUST CONTROL NOTES

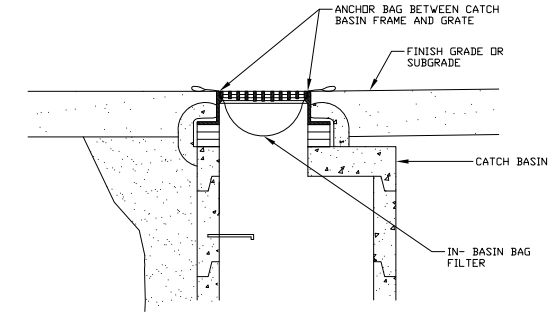
- THE CONTRACTOR SHALL IMPLEMENT ALL NECESSARY MEASURES TO CONTROL THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES. THE FOLLOWING METHODS SHALL BE CONSIDERED FOR CONTROLLING DUST:
 - MULCHES- MULCH AREAS SUBJECT TO DUST MOVEMENT IN ACCORDANCE WITH THE STATE STANDARD FOR STABILIZATION WITH MULCH ONLY.
 - SPRINKLING- SPRINKLE AREAS SUBJECT TO DUST MOVEMENT WITH WATER UNTIL THE SURFACE IS WET. REPEAT SPRINKLING AS REQUIRED.
 - CALCIUM CHLORIDE- CALCIUM CHLORIDE SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES OF A SIZE SUITABLE FOR COMMONLY USED SPREADERS. CALCIUM CHLORIDE SHALL BE APPLIED AT A RATE THAT WILL KEEP THE SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.
 - STONE- COVER SURFACES SUBJECT TO DUST MOVEMENT WITH CRUSHED STONE OR COARSE GRAVEL.



SILT FENCE NOTES

- SEDIMENT DEPOSITS SHALL BE REMOVED WHEN DEPOSITS EXCEED 6 INCH DEPTH.
- SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND ALL NECESSARY REPAIRS/REPLACEMENTS MADE IMMEDIATELY.
- SILT FENCE SHALL BE REMOVED AFTER SATISFACTORY VEGETATIVE COVER IS ESTABLISHED. PROVIDE PLANTING SOIL, FINISH GRADE, SEED AND MULCH DISTURBED AREA.

TYP SILT FENCE NOT TO SCALE

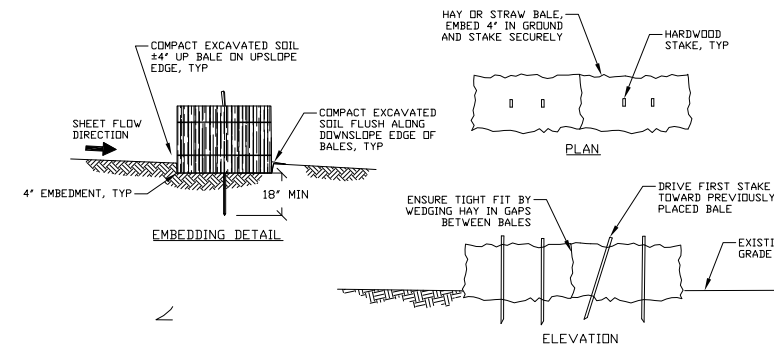


NOTES

- IN-BASIN BAG FILTERS SHALL BE WOVEN POLYPROPYLENE WITH THE FOLLOWING MINIMUM PROPERTIES.
 - GRAB TENSILE STRENGTH ACCORDING TO ASTM D 4632: 300 LBS
 - PUNCTURE RESISTANCE ACCORDING TO ASTM D4833: 120 LBS
 - MULLEN BURT ACCORDING TO ASTM D3786: 800 PSI
 - FLOW RATE ACCORDING TO ASTM D4491: 44 GAL/MIN/SF
- BAG FILTER SEAMS SHALL BE DOUBLE STITCHED WITH HIGH-STRENGTH NYLON THREAD AND SHALL HAVE AN AVERAGE WIDE WIDTH STRENGTH PER ASTM D 4884 OF 165 LBS/INCH.
- PROVIDE TYPE A INLET PROTECTION IN EXISTING OR NEWLY PAVED AREAS WITH NON-STABILIZED TRIBUTARY WATERSHEDS.
- REMOVE ACCUMULATED SEDIMENTS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

TYP CATCH BASIN PROTECTION (TYPE A)

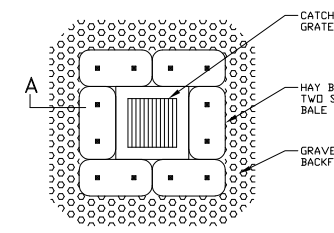
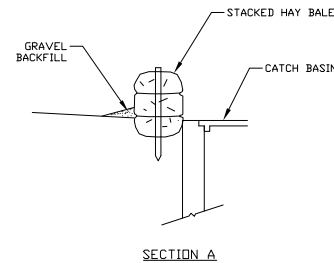
NOT TO SCALE



HAY BALE BARRIER NOTES

- INSTALL HAY BALE BARRIERS FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE, WITH THE ENDS FLARED UPSLOPE.
- INSPECT HAY BALE BARRIERS IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. MAKE ALL NECESSARY REPAIRS/REPLACEMENTS IMMEDIATELY.
- REMOVE SEDIMENT DEPOSITS WHEN DEPOSITS EXCEED ONE HALF THE HEIGHT OF THE BARRIER.
- REMOVE HAY BALE BARRIERS AFTER SATISFACTORY VEGETATIVE COVER IS ESTABLISHED UPSLOPE. PROVIDE PLANTING SOIL, FINISH GRADE, SEED AND MULCH ARE DISTURBED FROM BARRIER REMOVAL.

TYP HAY BALE BARRIER NOT TO SCALE



TYP CATCH BASIN PROTECTION (TYPE B)

NOT TO SCALE



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PROJECT NUMBER:
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FY23
REPAIR PAVEMENT B518

EROSION CONTROL

C-501
SHEET 5 OF 5