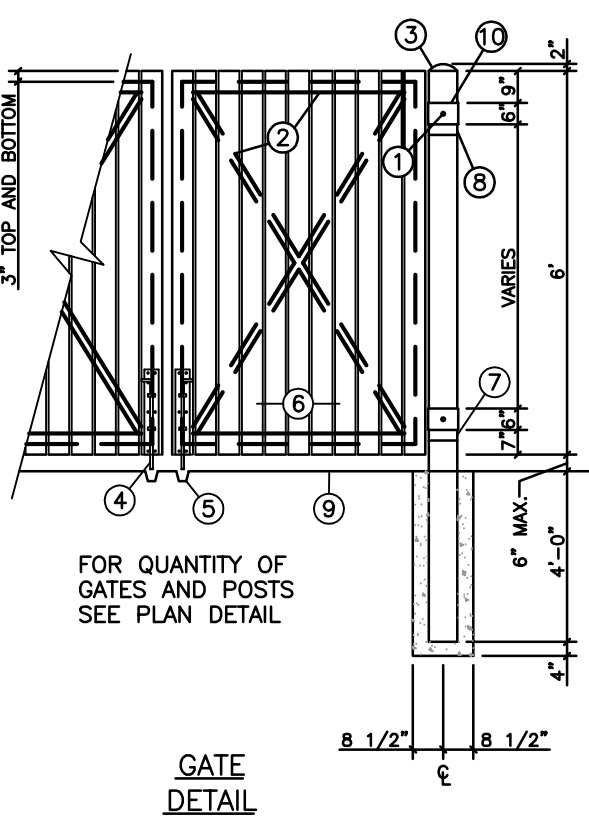
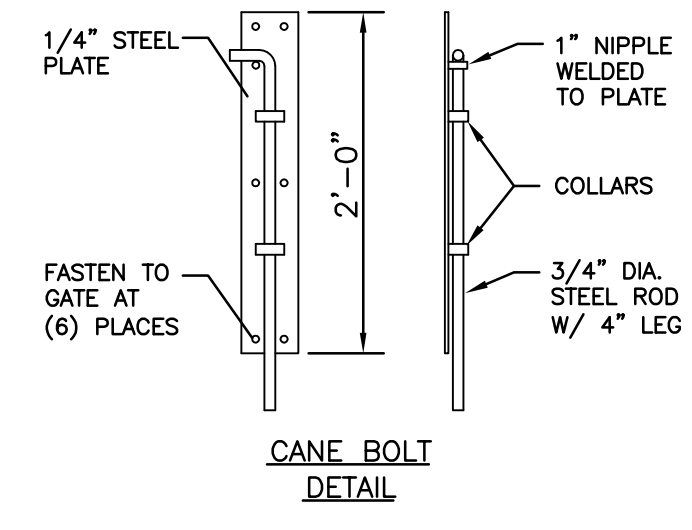


**NOTES:**  
 1. ACTUAL WIDTH OF BENCH TO BE DETERMINED IN FIELD BY DEPARTMENT BASED ON SUBSURFACE CONDITIONS ENCOUNTERED.  
 2. DRAIN MAY BE ELIMINATED IF FIELD CONDITIONS SO DICTATE, AS DIRECTED BY DEPARTMENT.

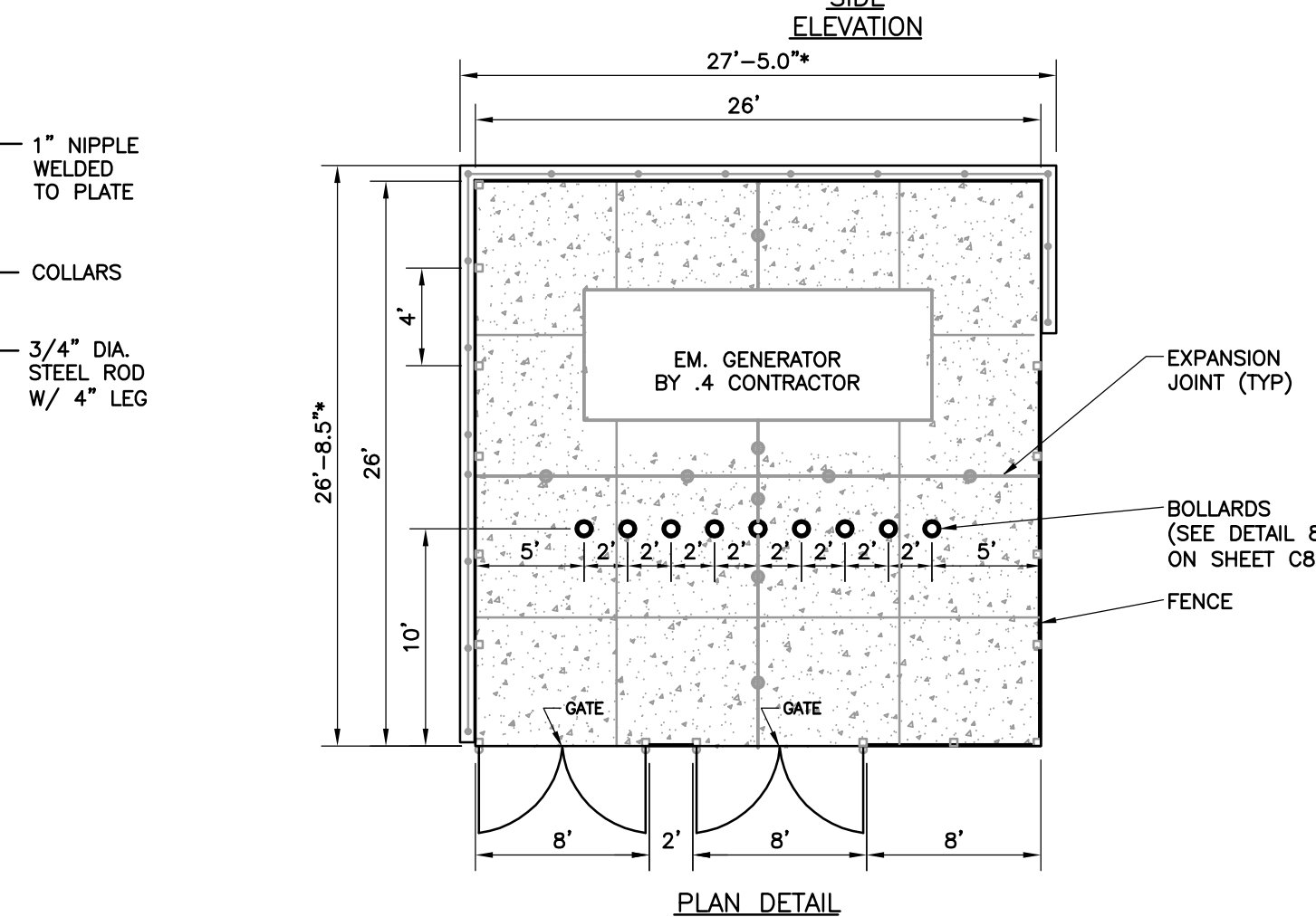
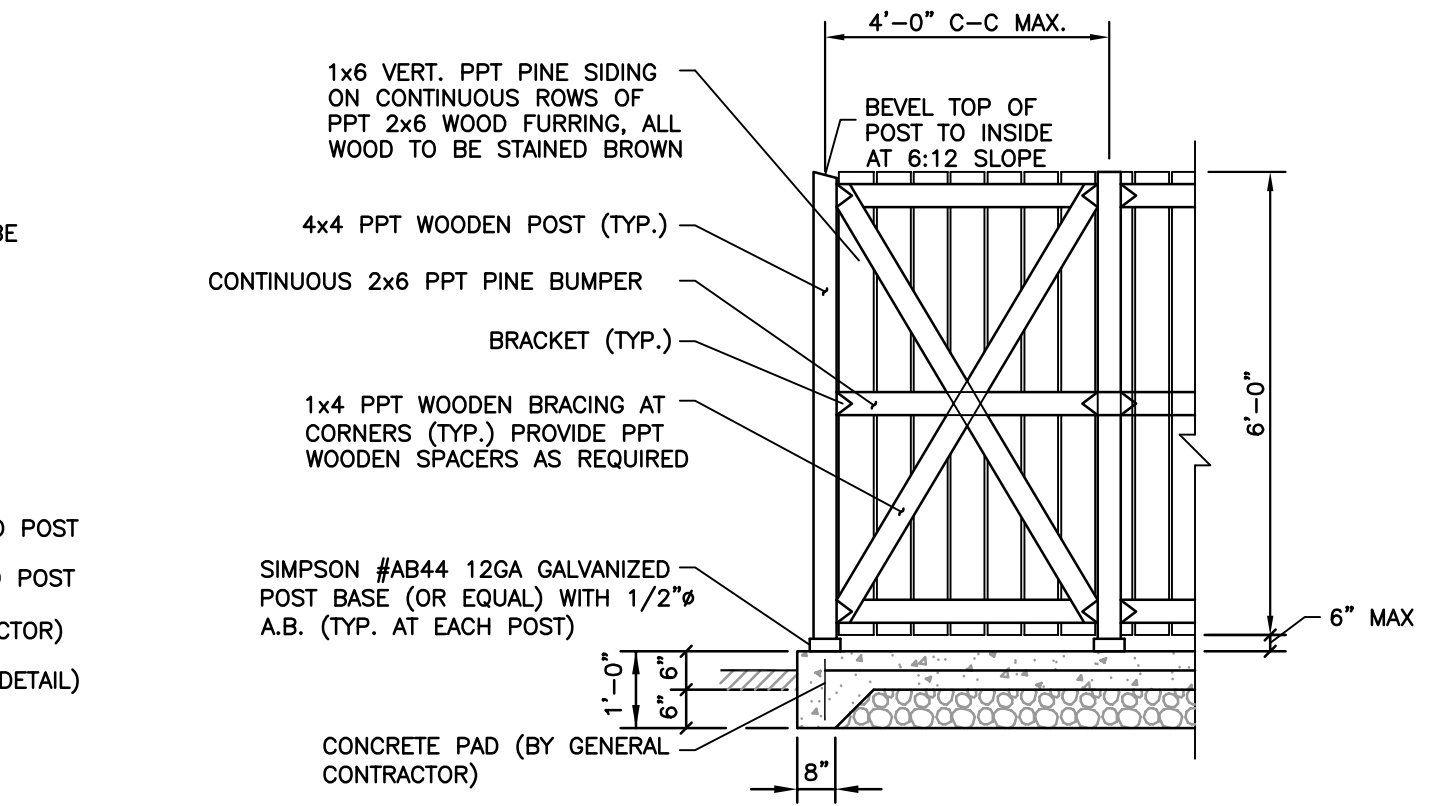
**DETAIL 24  
TOE KEY AND DRAIN**  
N.T.S.



- KEYNOTES:**
- HYDRAULIC MALE GREASE FITTING
  - 2"x2"x3/16" RECTANGULAR STEEL TUBE FRAME WITH DIAGONAL BRACING
  - 8" DIA. SCH. 40 STEEL POST FILL WITH CONCRETE
  - CANE BOLTS (SEE DETAIL)
  - GALV. SLEEVES (EMBEDDED IN CONC.)
  - 1"x6" LUMBER PER FENCE SPECS.
  - STATIONARY STEEL COLLAR WELDED TO POST
  - STATIONARY STEEL COLLAR BOLTED TO POST
  - CONCRETE PAD (BY GENERAL CONTRACTOR)
  - ROTATING STEEL COLLAR (SEE HINGE DETAIL)

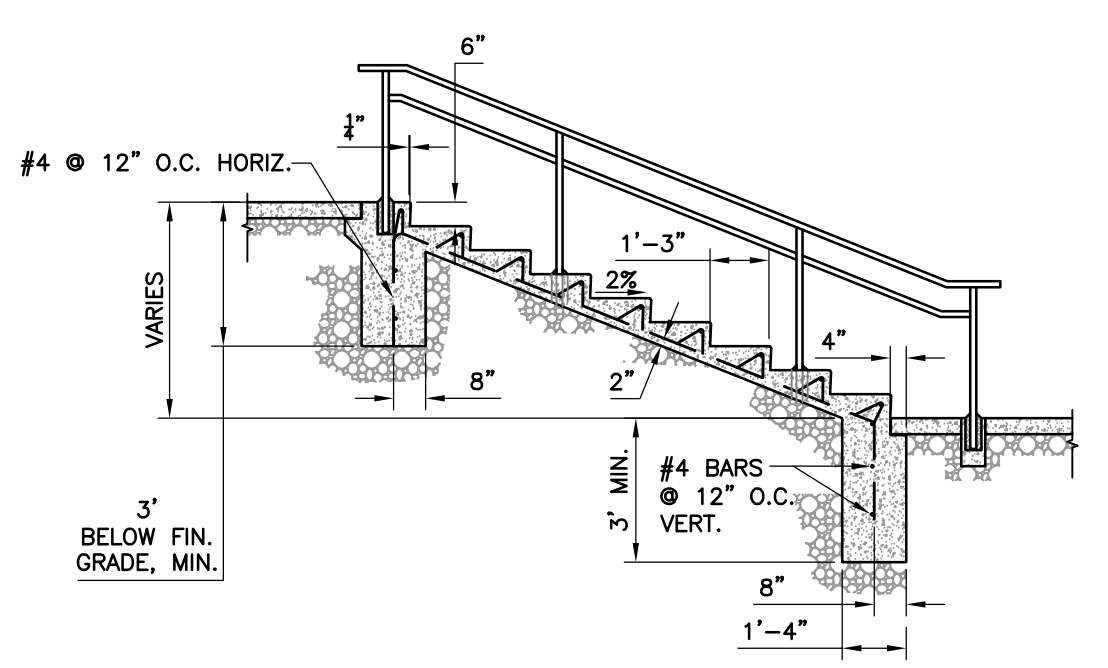


**HINGE DETAIL**



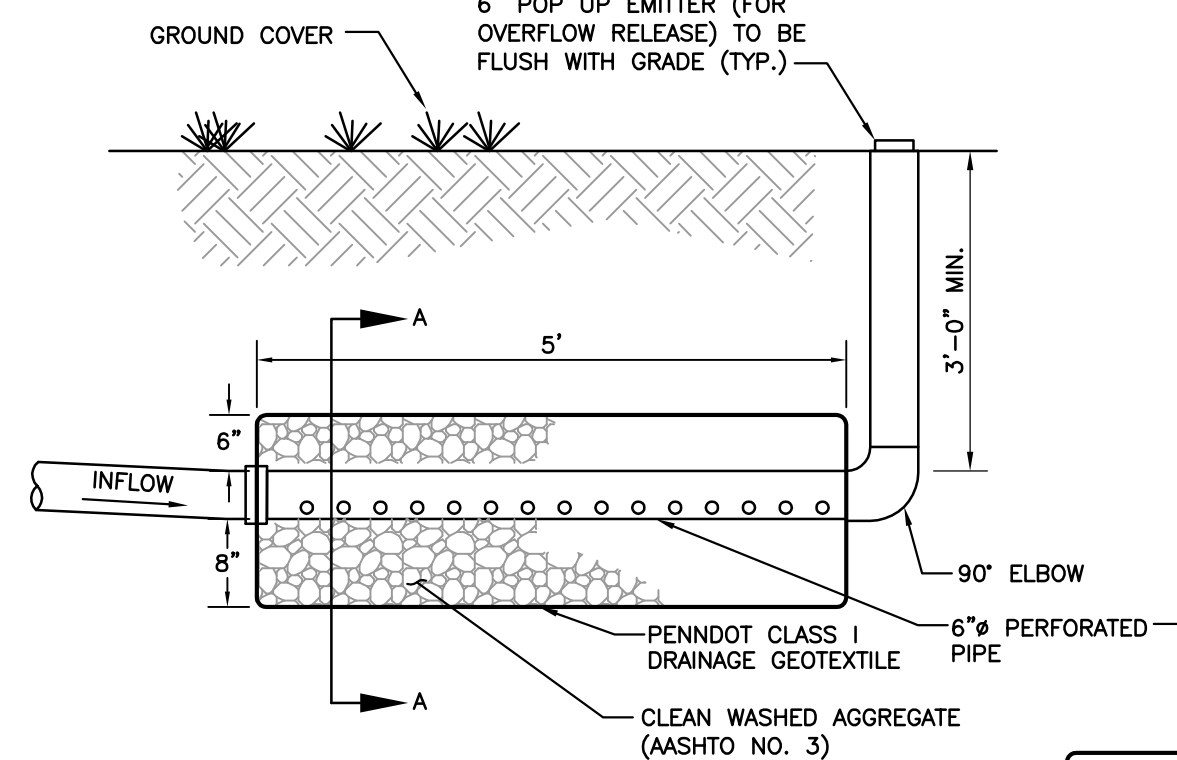
\* NOTE DIMENSION DOES NOT REFLECT 1'-0" CAP STONE CENTERED ON WALL DIMENSION DOES INCLUDE 1/2" EXPANSION JOINT

**DETAIL 27  
DUMPSTER ENCLOSURE**  
N.T.S.

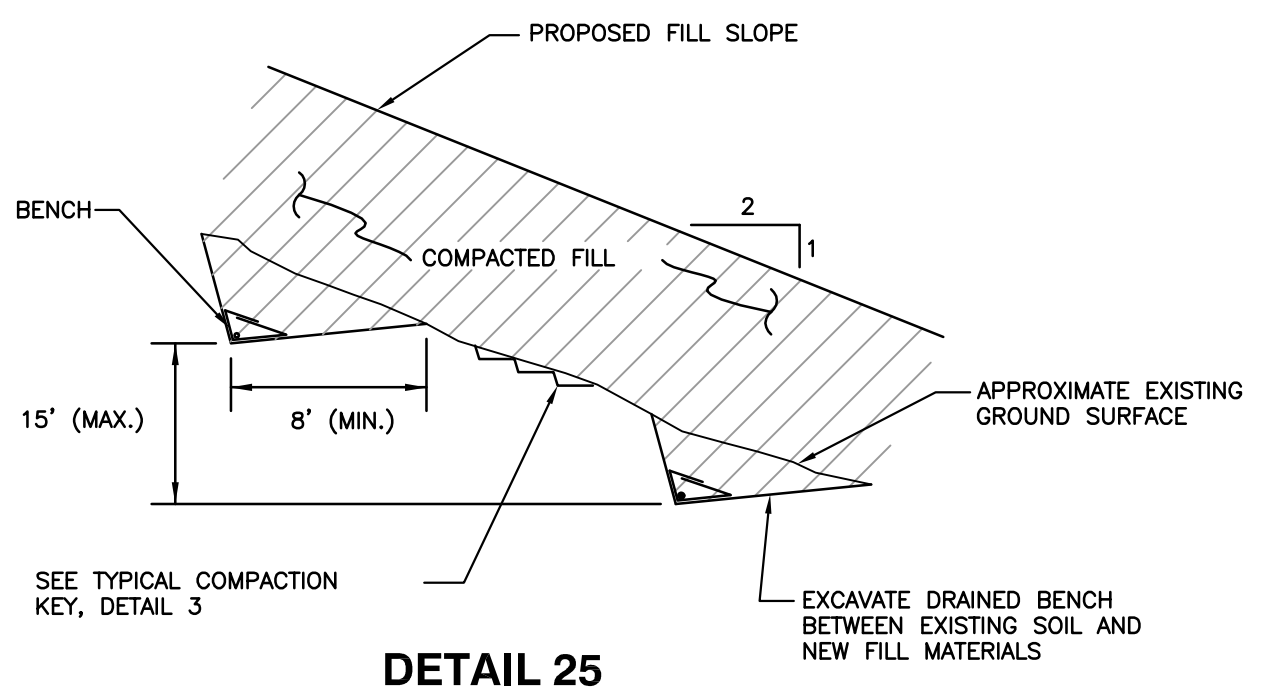


- NOTES:**  
 1. WELD ALL JOINTS.  
 2. GRIND TO SMOOTH FINISH.  
 3. DRILL PAVEMENT, SET AND GROUT AS REQUIRED.  
 4. ALL PIPE RAILING SHALL BE CLEAR ANODIZED FINISH.  
 5. CAP ALL EXPOSED RAIL ENDS, TYP.  
 6. SEE SHEET A7.1 FOR EXTERIOR STAIR RAILING DETAIL.

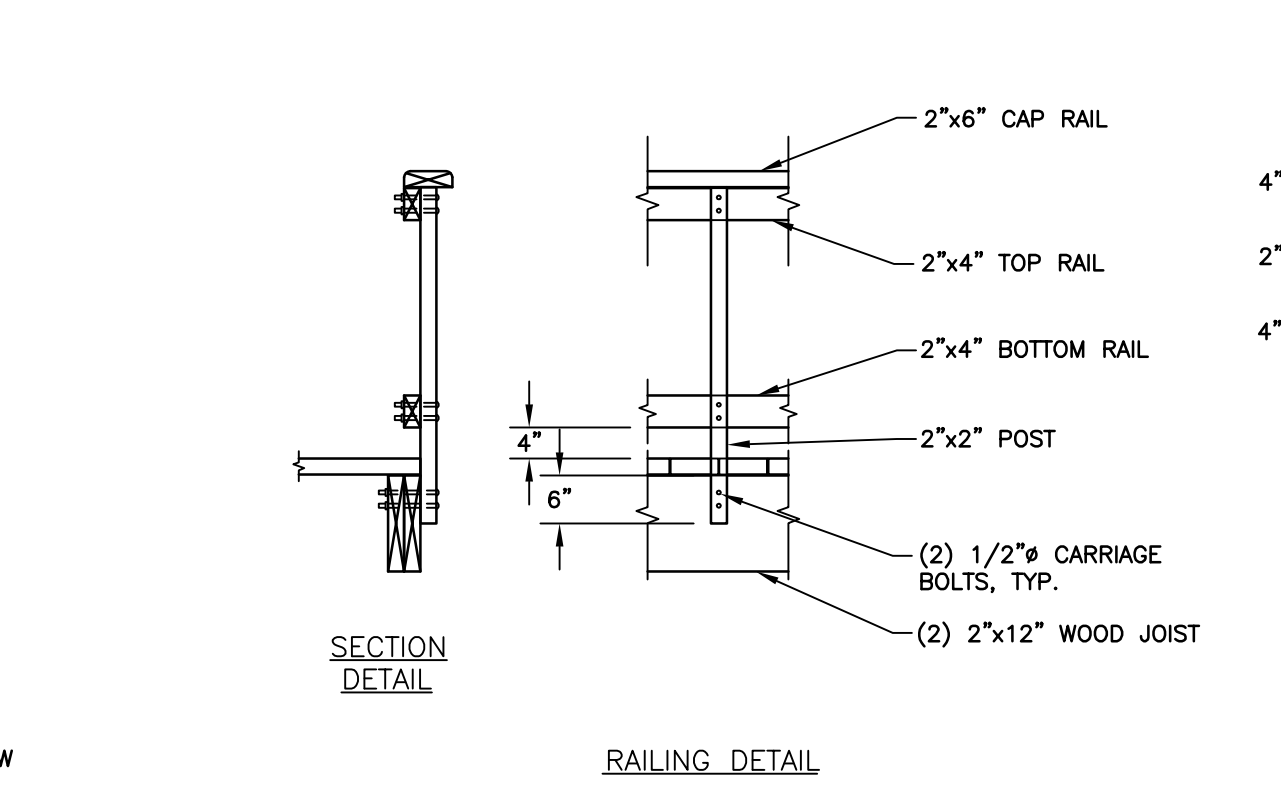
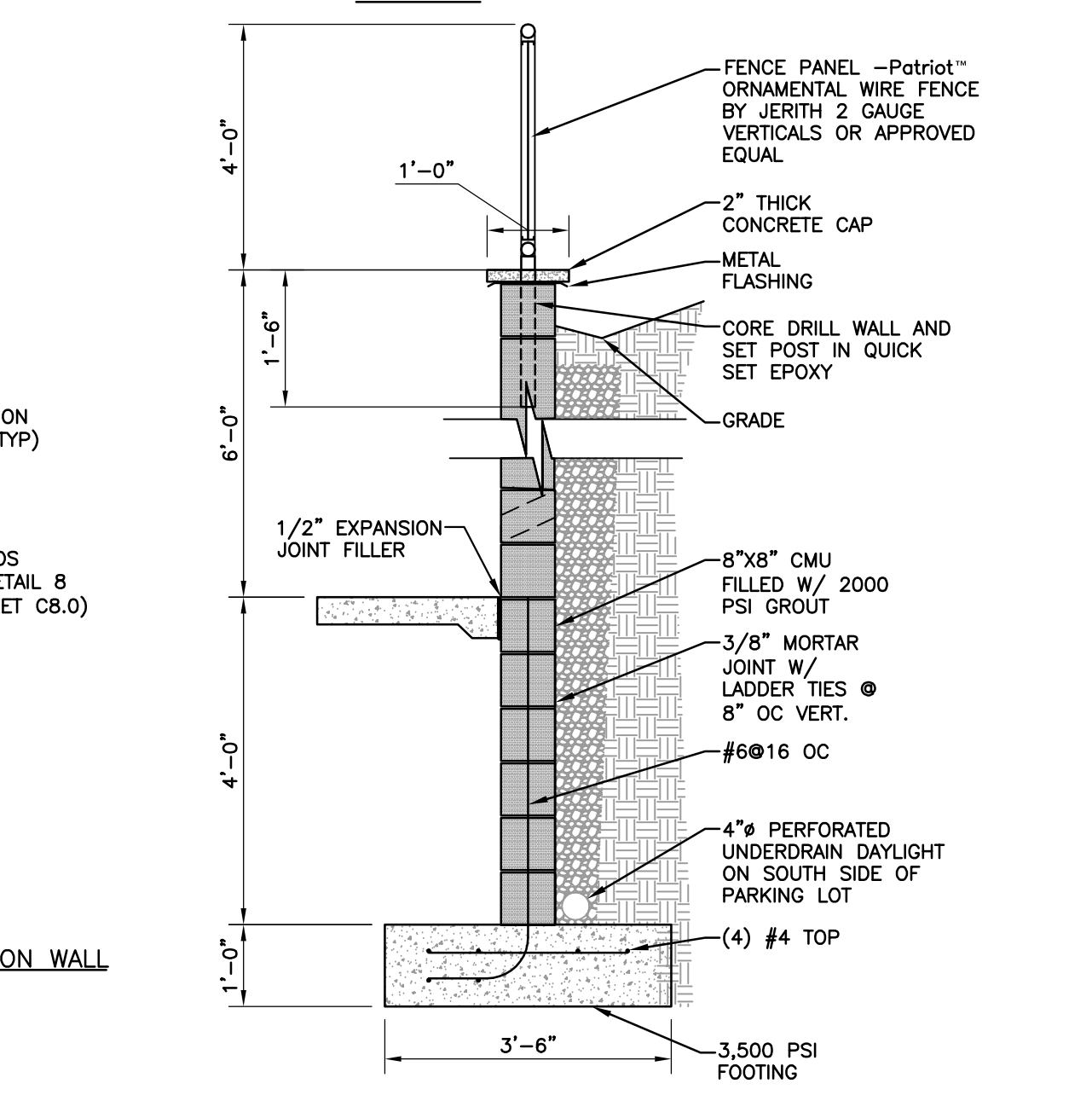
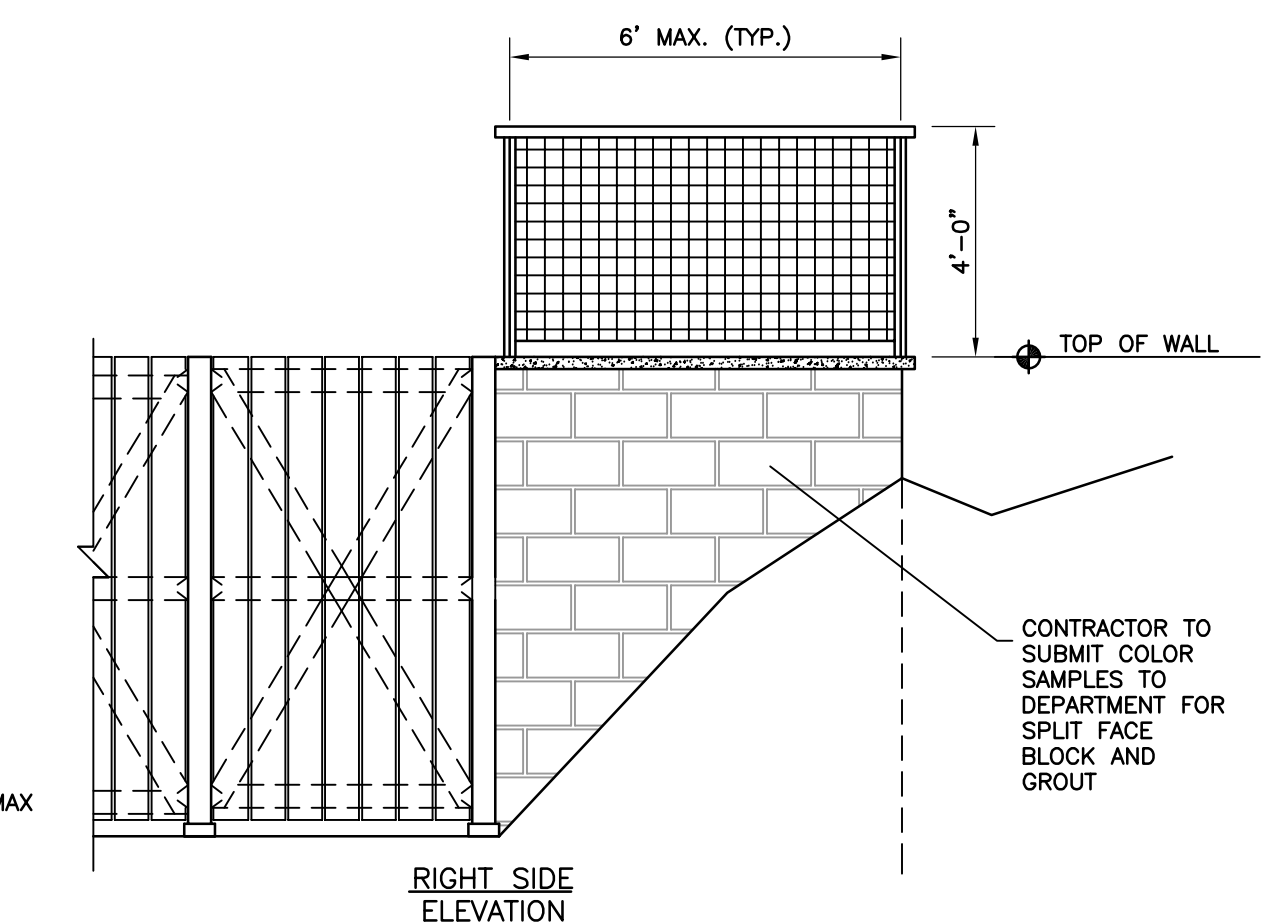
**DETAIL 29  
CONCRETE STEPS WITH RAILING**  
N.T.S.



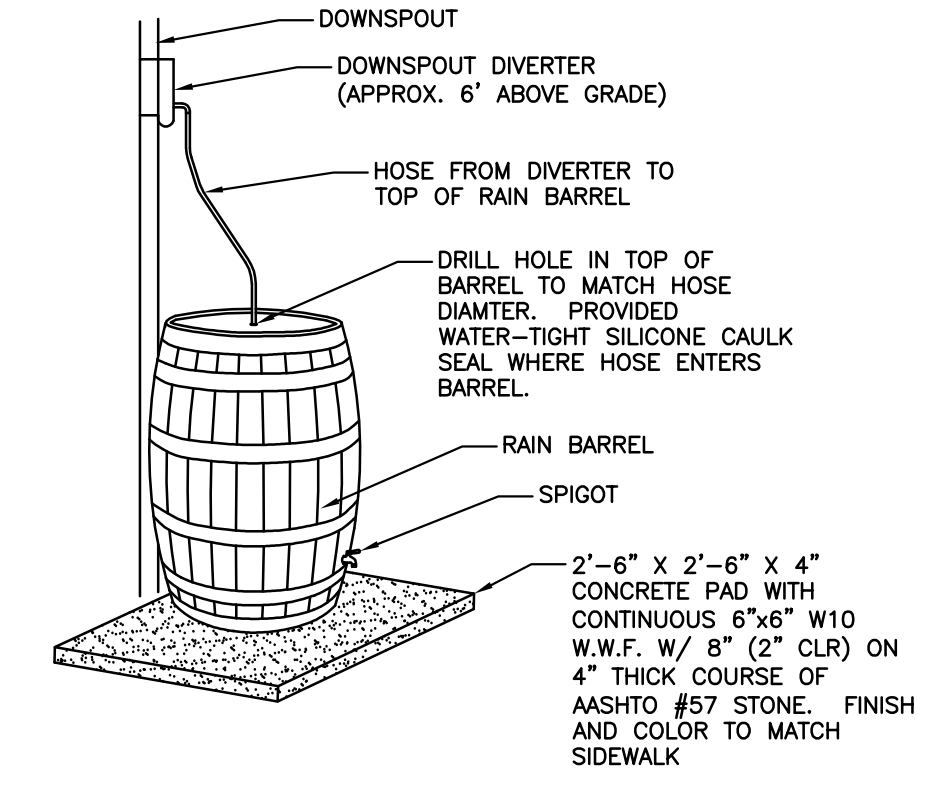
**DETAIL 30  
POP UP EMITTER**  
N.T.S.



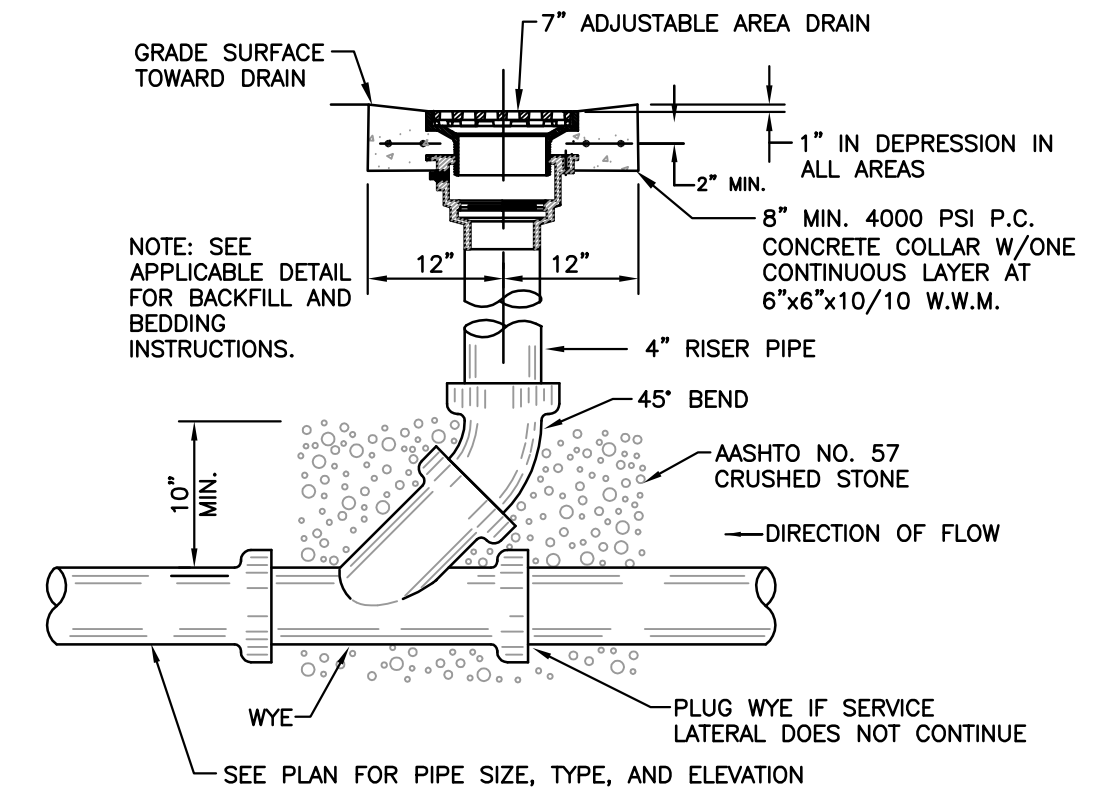
**DETAIL 25  
TYPICAL INTERMEDIATE FILL KEY**  
N.T.S.



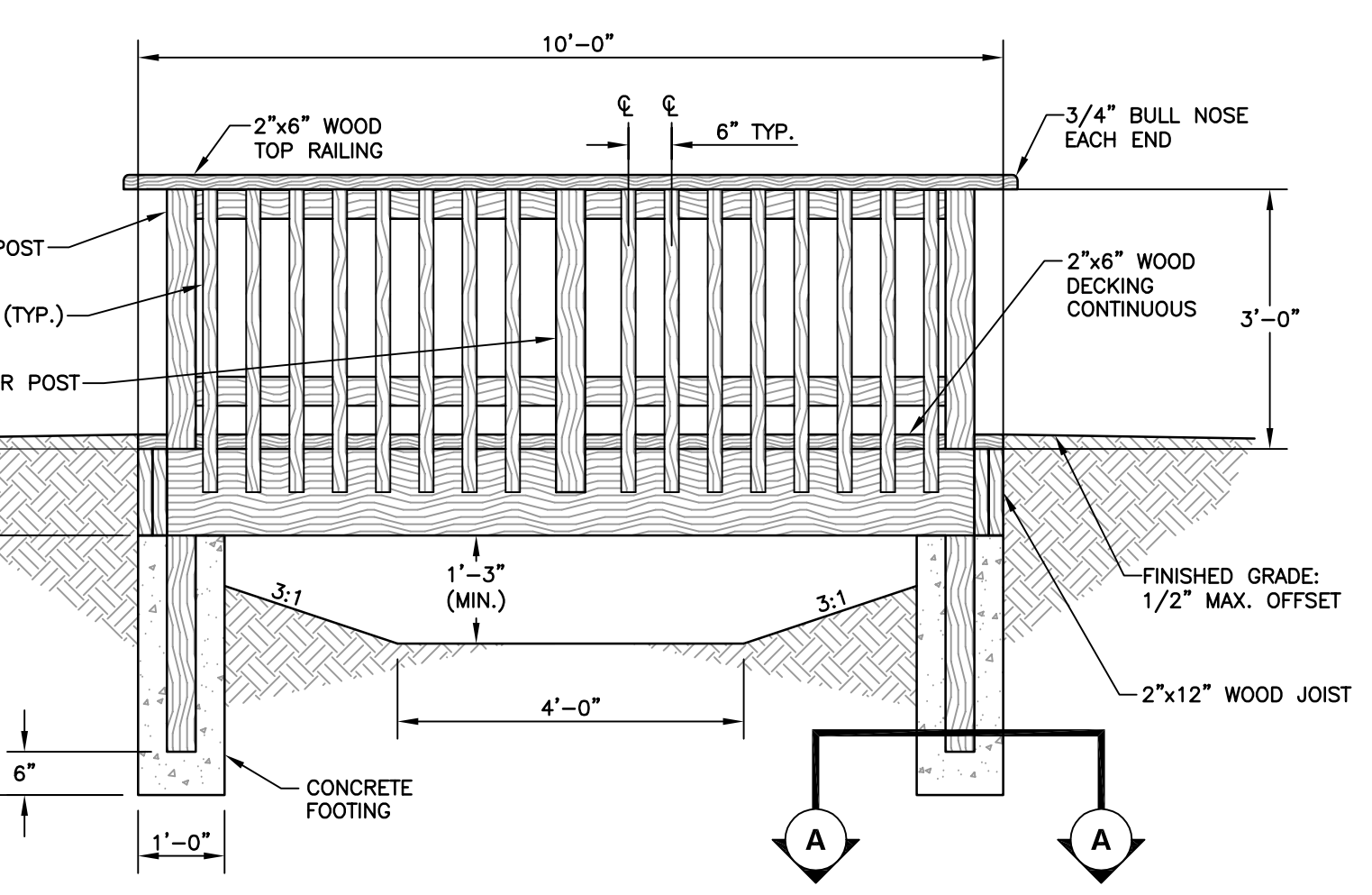
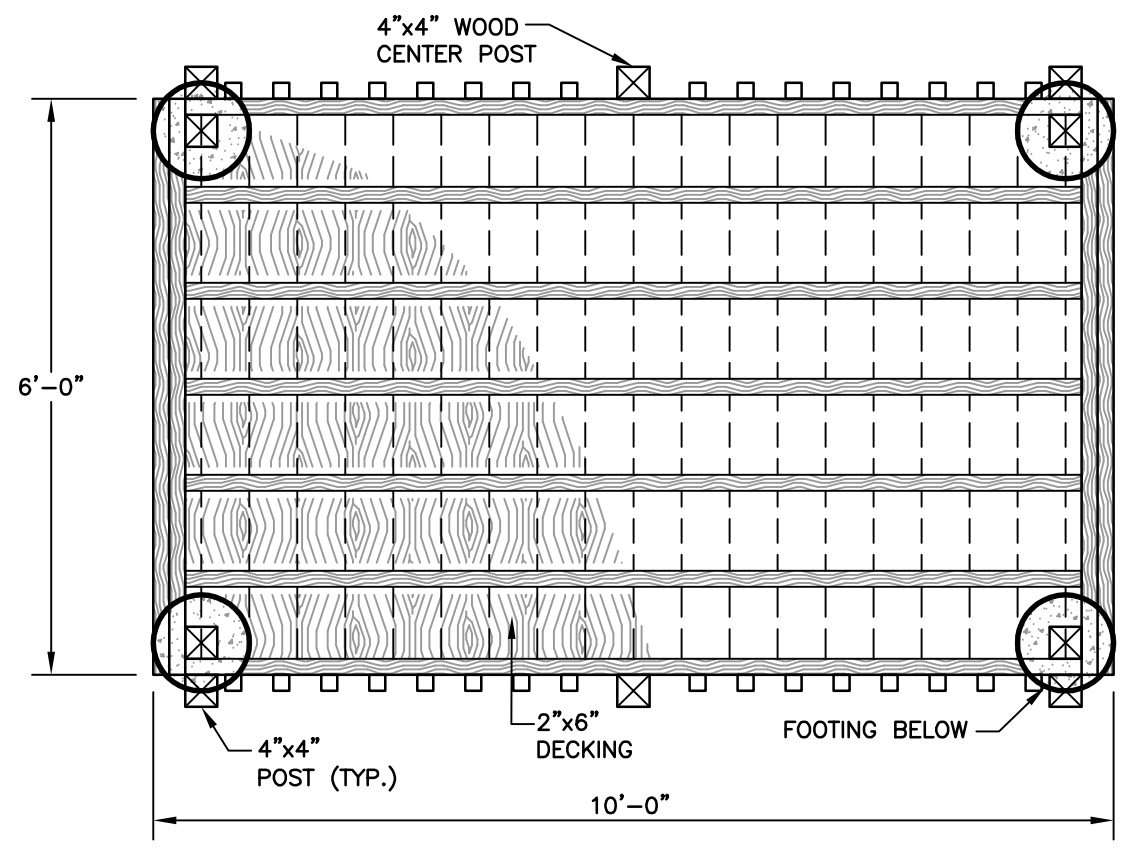
**DETAIL 31  
WOOD BRIDGE**  
SCALE: 1/2" = 1'-0"



**DETAIL 26  
RAIN BARREL**  
N.T.S.



**DETAIL 28  
SIDEWALK DRAIN**  
N.T.S.



- NOTES:**  
 1. ALL WOOD TO BE LOCALLY HARVESTED FSC CERTIFIED HEM-FIR #4 RET PPT.  
 2. ALL WOOD TO BE STAINED A COLOR APPROVED BY THE DEPARTMENT.  
 3. ALL BOLTS AND HARDWARE TO BE HOT DIPPED GALVANIZED.  
 4. THIS DETAIL IS PROVIDED AS A BASIS OF DESIGN. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY THE DEPARTMENT.  
 5. STAIN 2 COATS ON ALL SURFACES.  
 6. ALL CONCRETE TO HAVE A MIN. COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS.

ALL WORK .1 CONTRACTOR UNLESS OTHERWISE NOTED

 <b>Civil &amp; Environmental Consultants, Inc.</b> 333 Baldwin Road - Pittsburgh, PA 15205-9072 Ph: 412.429.2324 - 800.365.2324 - Fax: 412.429.2114 www.cecinc.com		PROJECT NUMBER	
		070-915	
NO.	DATE	REVISION	APPR.
1	09/08/08	ISSUED FOR ADDENDUM	
SUBMITTED		PROJECT COORDINATOR	
APPROVED		PROJECT DESIGNER	
APPROVED		CHIEF - DESIGN OF DESIGN	
APPROVED		DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION	

**AS-BUILT**  
 THIS RECORD DRAWING HAS BEEN PREPARED ON INFORMATION PROVIDED BY OTHERS. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
 OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494

APPLICABLE CONTRACT NO'S.

GENERAL:	FDC-133-4494.1	PLUMBING:	
HVAC:		ELECTRICAL:	FDC-133-4494.3
ROADWAY:			

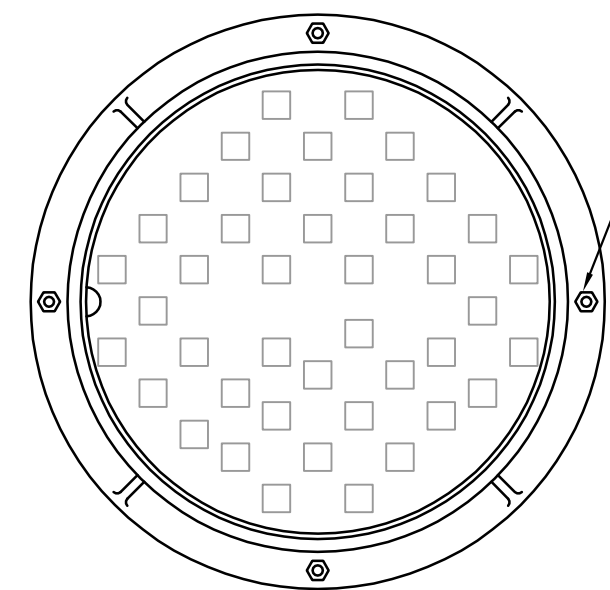
THE INN AT BALD EAGLE STATE PARK  
 HOWARD AND LIBERTY TOWNSHIP,  
 CENTRE COUNTY, PENNSYLVANIA

CONSTRUCTION DETAILS

DRAWN BY:	TAF	DATE:	09/18/08	DRAWING NO.:	
CHECKED BY:	MWT**	SCALE:	AS NOTED		

C8.3

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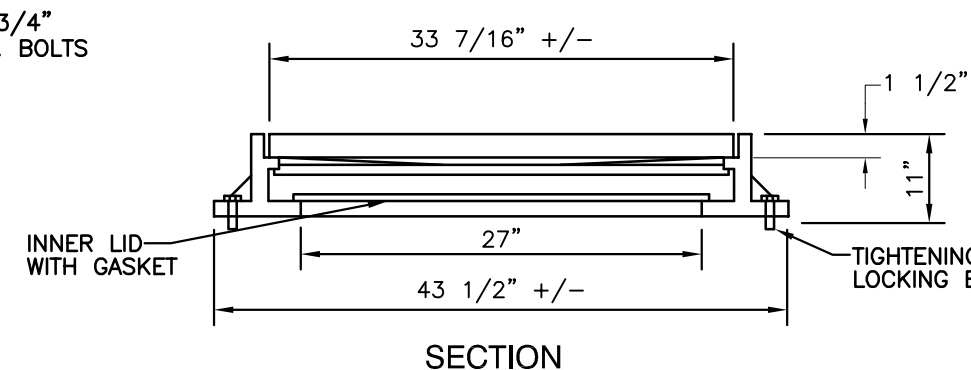


TOP VIEW

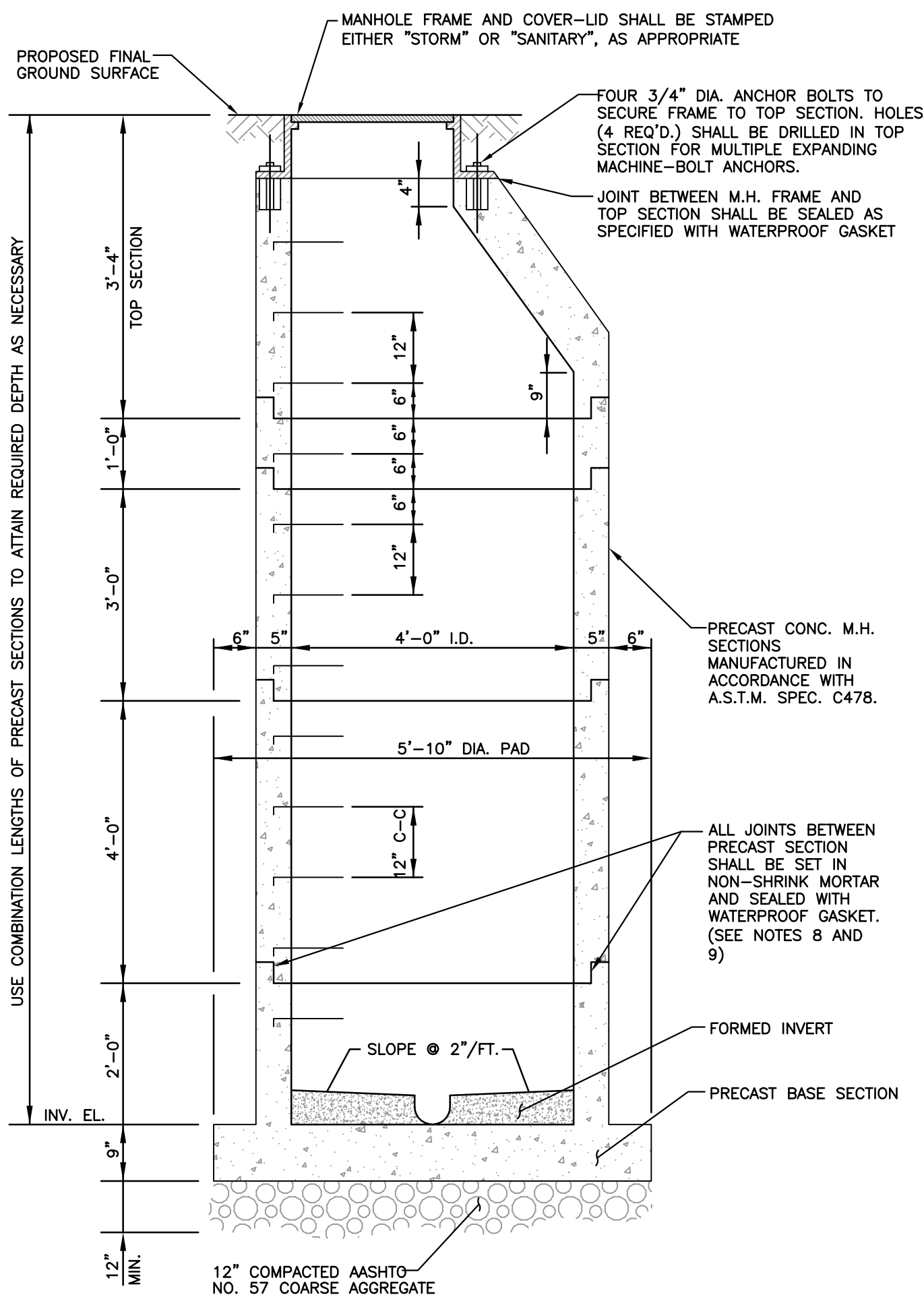
**PRECAST MANHOLE COVER AND FRAME**

**NOTES:**

1. PER PENNDOT PUB. 408 SEC. 704 STANDARDS
2. REFER TO LOCAL STANDARDS FOR FURTHER DETAILS



SECTION

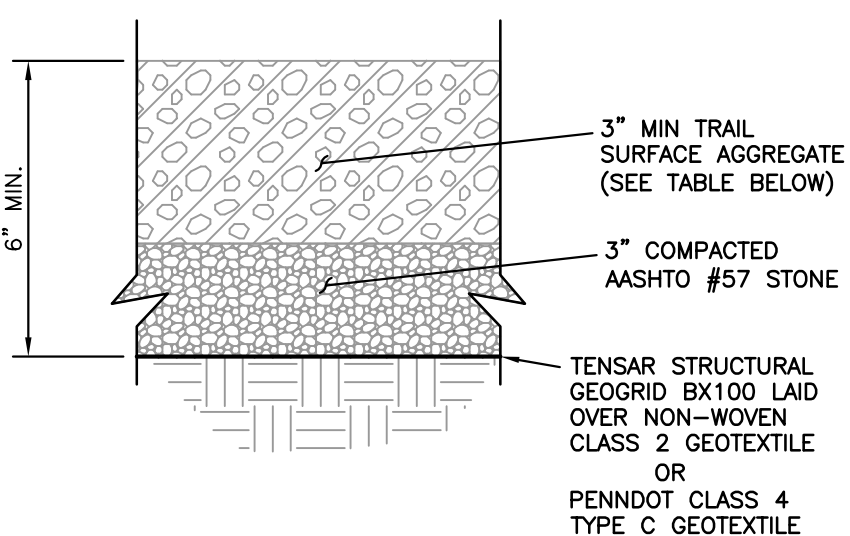


**DETAIL 31  
TYPICAL PRECAST CONCRETE MANHOLE**

N.T.S.

**NOTES:**

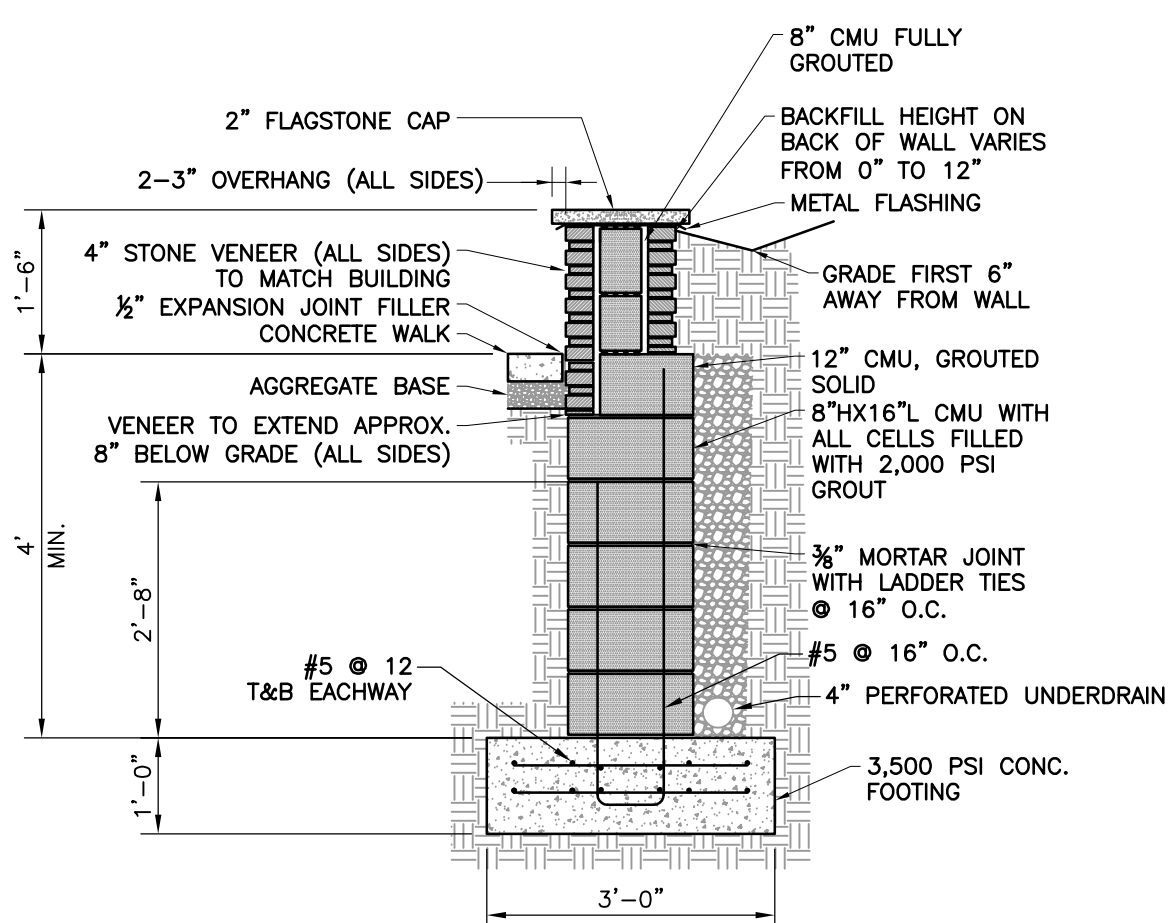
1. CONSTRUCT IN ACCORDANCE WITH THE REQUIREMENTS OF COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION (PENNDOT) PUBLICATION 408, SECTION 605.
2. REFER TO PENNDOT BUREAU OF HIGHWAY DESIGN'S STANDARDS FOR ROADWAY CONSTRUCTION, SERIES RC-1 TO RC-100, SHEETS 1 THROUGH 5 OF RC-39, FOR DETAILS OF THE MANHOLE SECTIONS, GRADE ADJUSTMENT RINGS, STEPS, FRAMES AND COVERS.
3. ALL CEMENT CONCRETE USED TO CONSTRUCT THE MANHOLES SHALL BE CLASS AA, AND SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 704.
4. ALL REINFORCEMENT STEEL USED TO CONSTRUCT THE MANHOLES SHALL BE ASTM-A615, GRADE 60, DEFORMED OR PLAIN STEEL BARS, AND SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 709.1 AND 709.2 (IF APPLICABLE).
5. PRE-CAST REINFORCED CONCRETE MANHOLE SECTIONS AND GRADE ADJUSTMENT RINGS SHALL CONFORM TO THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 714, AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI.
6. ALL FRAMES AND COVERS/GRATES FOR STORM SEWER MANHOLES SHALL BE NON-ROCKING AND MADE OF HEAVY DUTY CAST IRON, AND SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 605.2(b). ALL FRAMES SHALL BE SET IN A FULL BED OF MORTAR AND ANCHORED TO THE CONICAL TOP SECTION USING MINIMUM 4 ANCHOR BOLTS ON OPPOSITE SIDES.
7. ALL GRADE ADJUSTMENT RINGS SHALL BE OF MASONRY OR PRECAST CONCRETE CONSTRUCTION.
8. A RUBBER GASKET THAT SATISFIES THE REQUIREMENTS OF ASTM C-443 SHALL BE INSTALLED BETWEEN ALL STORM SEWER MANHOLE SECTIONS. INSTALL TWO CONTINUOUS RINGS OF BITUMINOUS MASTIC THAT SATISFY ASTM C-443 AT EACH JOINT FOR SANITARY SEWER MANHOLES.
9. ALL MANHOLE SECTIONS SHALL BE SET IN PLACE IN NON-SHRINK MORTAR OR BITUMINOUS MATERIAL AND CONFORM TO THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 705.7.
10. ALL MANHOLES SHALL HAVE LADDER RUNGS, SPACED 12 INCHES APART, TO FACILITATE ACCESS TO THE MANHOLE. ALL LADDER RUNGS SHALL BE MINIMUM NO. 4 REINFORCEMENT BARS THAT ARE COATED WITH CO-POLYMER POLYPROPYLENE PLASTIC THAT MEET THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 605.2(c). ALL LADDER RUNGS MUST MEET THE PERFORMANCE CRITERIA OF ASTM C478.
11. A MINIMUM OF 12" OF AASHTO #57 STONE SHALL BE USED AS BEDDING FOR THE MANHOLES. THE AASHTO #57 STONE SHALL BE PLACED IN MAXIMUM 6-INCH THICK LOOSE LIFTS AND COMPACTED TO AT LEAST 75% OF ITS RELATIVE DENSITY. ALL AASHTO #57 STONE SHALL BE CRUSHED LIMESTONE AND SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 703. ALL SOIL BACKFILL PLACED AROUND THE MANHOLES, AND ABOVE THE BEDDING, SHALL BE PLACED IN MAXIMUM 8-INCH THICK LOOSE LIFTS AND COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AND WITHIN ±3% OF ITS OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR).
12. A FLEXIBLE RUBBER MANHOLE SLEEVE OR BOOT SHALL BE INSTALLED IN THE PIPE OPENINGS FOR THE SANITARY SEWER MANHOLES BY THE MANHOLE MANUFACTURER PRIOR TO SITE DELIVERY. THE SANITARY SEWER PIPE SHALL BE SECURED TO THE SLEEVE/BOOT USING STAINLESS STRAPPING UPON INSTALLATION. ANNUAL AREA BETWEEN PIPE OPENING AND CONCRETE BASE SHALL BE RAMMED WITH EMBCO GROUT. (STANDARD PROCTOR).



PASSING SIEVE	LOWER %	HIGH %
1"	100	-
3/4"	96	100
3/8"	67	90
#4	29	63
#8	27	43
#100	15	35
#200	10	24

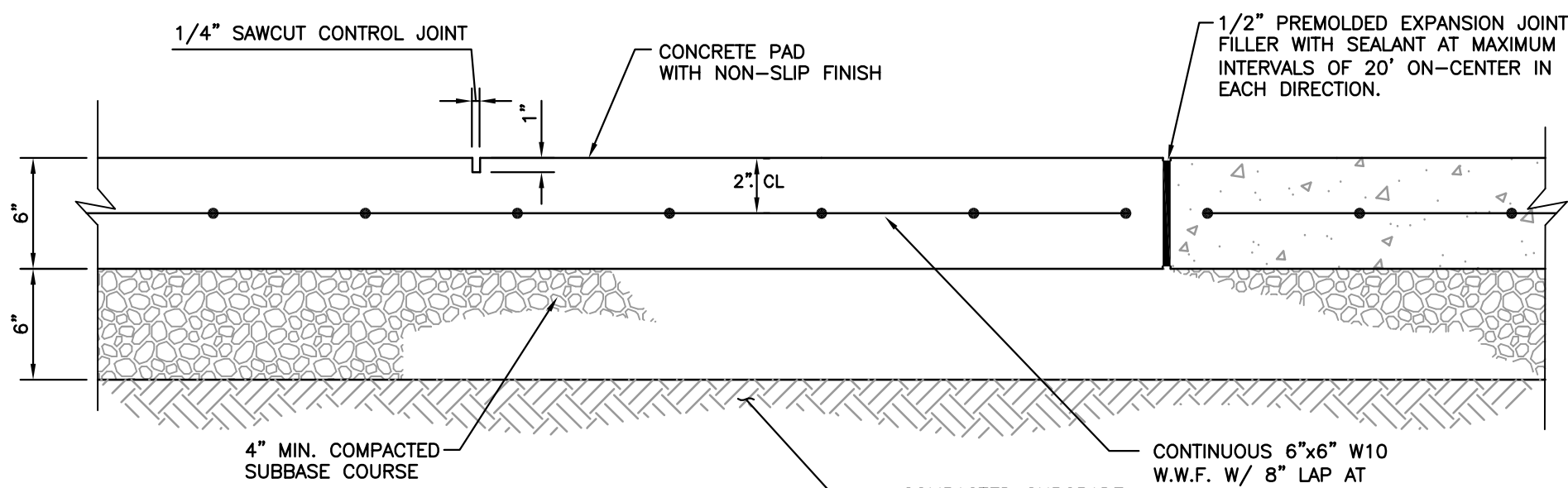
**DETAIL 37  
HIKING TRAIL**

N.T.S.



**DETAIL 38  
18" SEAT WALL**

1/2" = 1'-0"



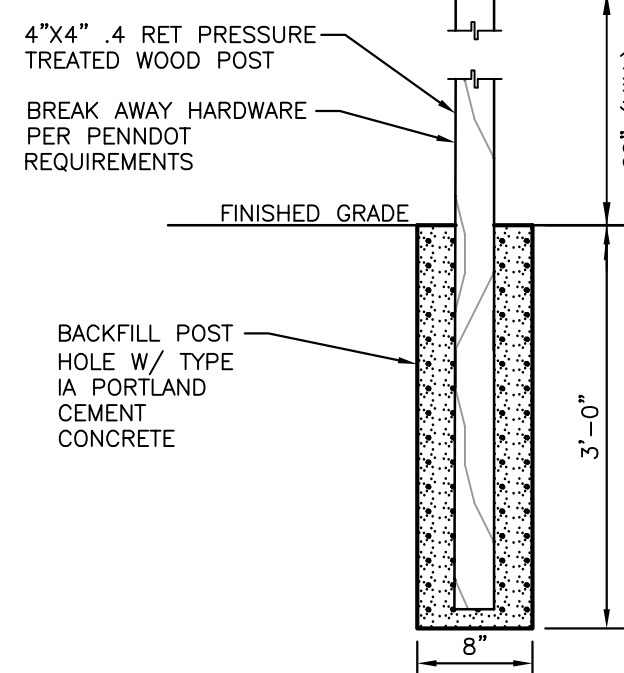
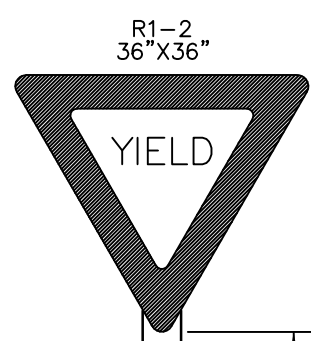
TYP. SECTION

**NOTES:**

1. PROVIDE A 1/2" EXPANSION JOINT FILLER WITH SEALANT WHERE THE CONCRETE PAD ABUTS ASPHALT OR RETAINING WALL.
2. REFER TO THE PROJECT SPECIFICATIONS FOR SPECIAL FINISHES, AGGREGATE TREATMENT, COLORS, PATTERN FINISHES, ETC.
3. SEE SITE PLAN FOR LOCATIONS AND DIMENSIONS
4. ALL CONCRETE PADS SHALL BE INTEGRALLY COLORED WITH RECYCLED IRON OXIDE COLORANT. (HOOVER ENVIRONMENTAL OR APPROVED EQUAL) COLOR TO BE APPROVED BY DEPARTMENT.

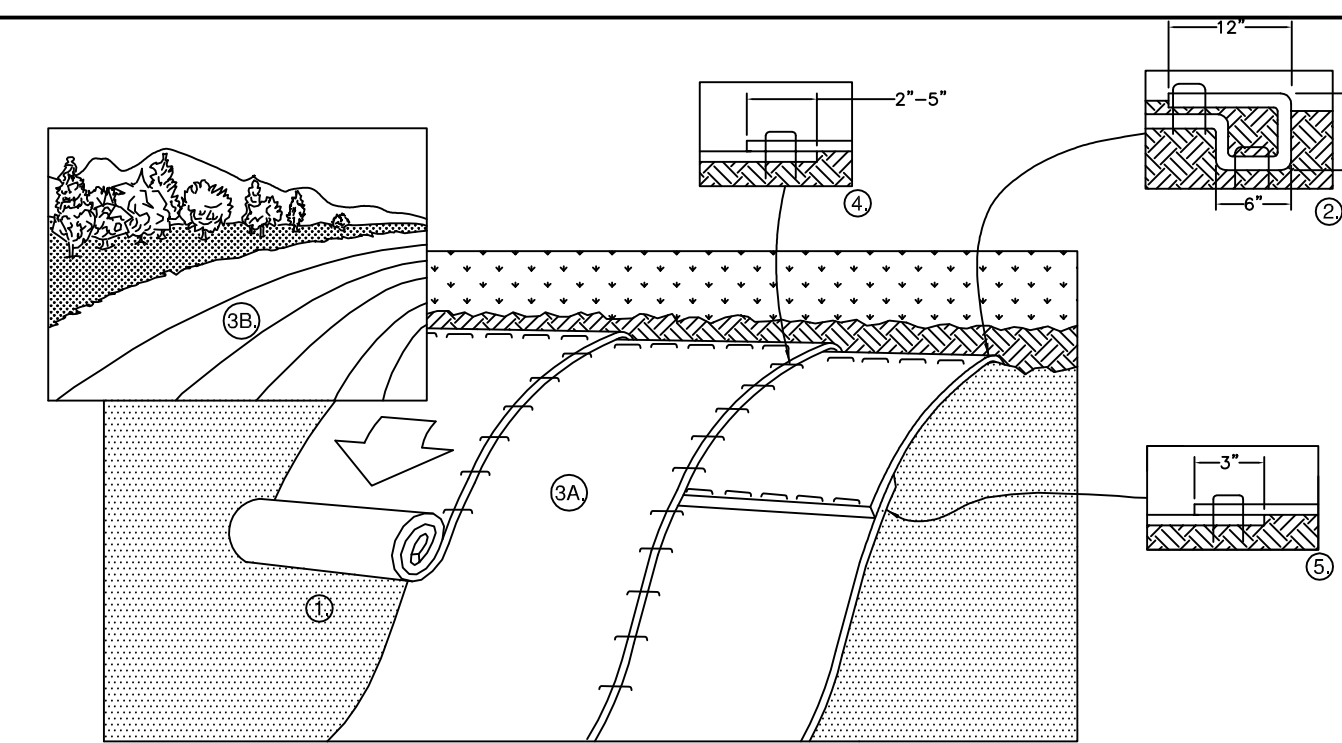
**DETAIL 32  
CONCRETE PAD**

N.T.S.



**DETAIL 34  
YIELD SIGN**

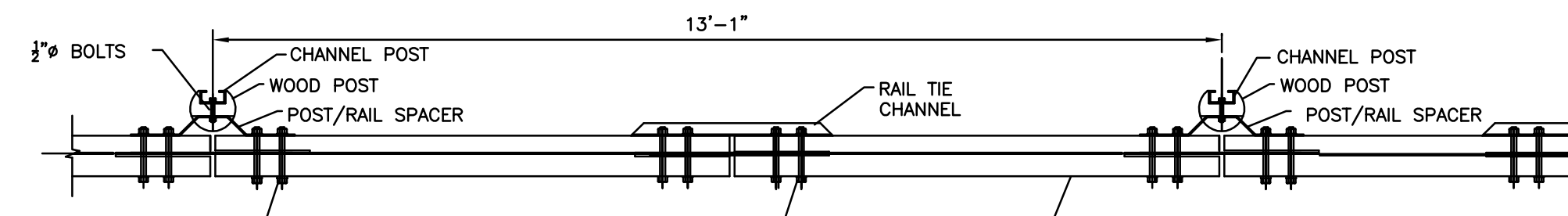
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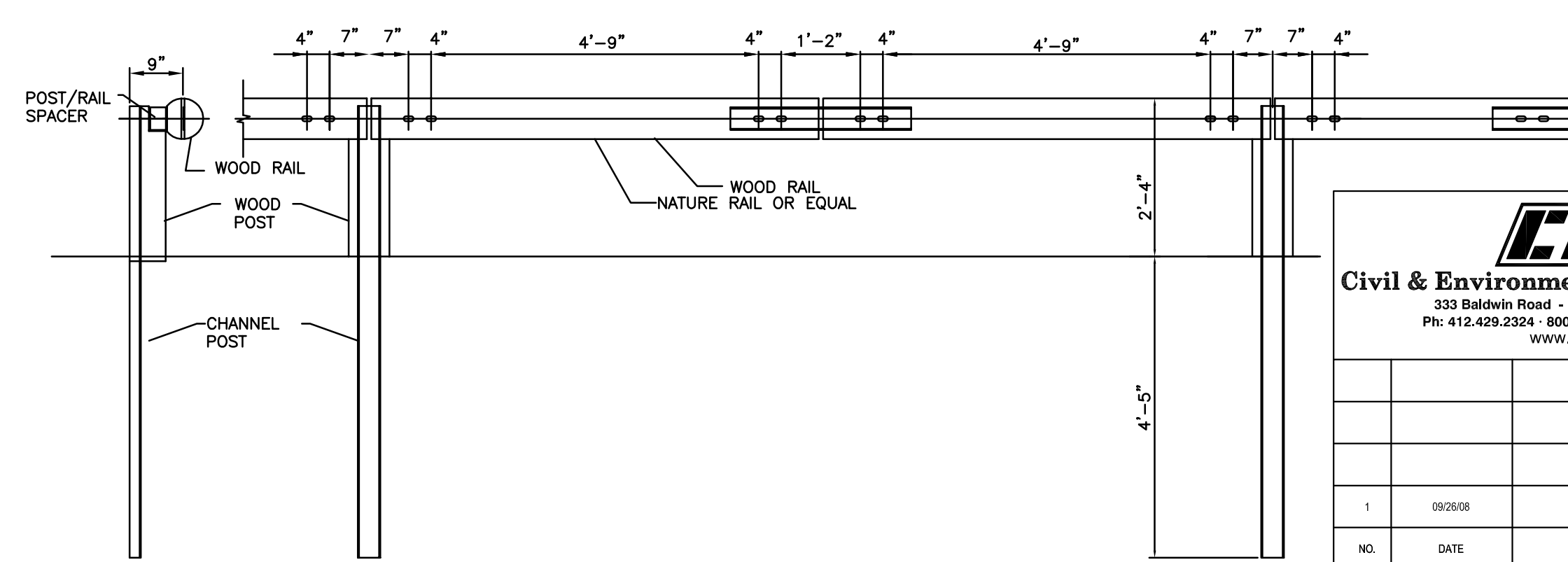
**DETAIL 33  
EROSION CONTROL MAT**

N.T.S.

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" - 5" OVERLAP DEPENDING ON BLANKET TYPE.
5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.



PLAN VIEW

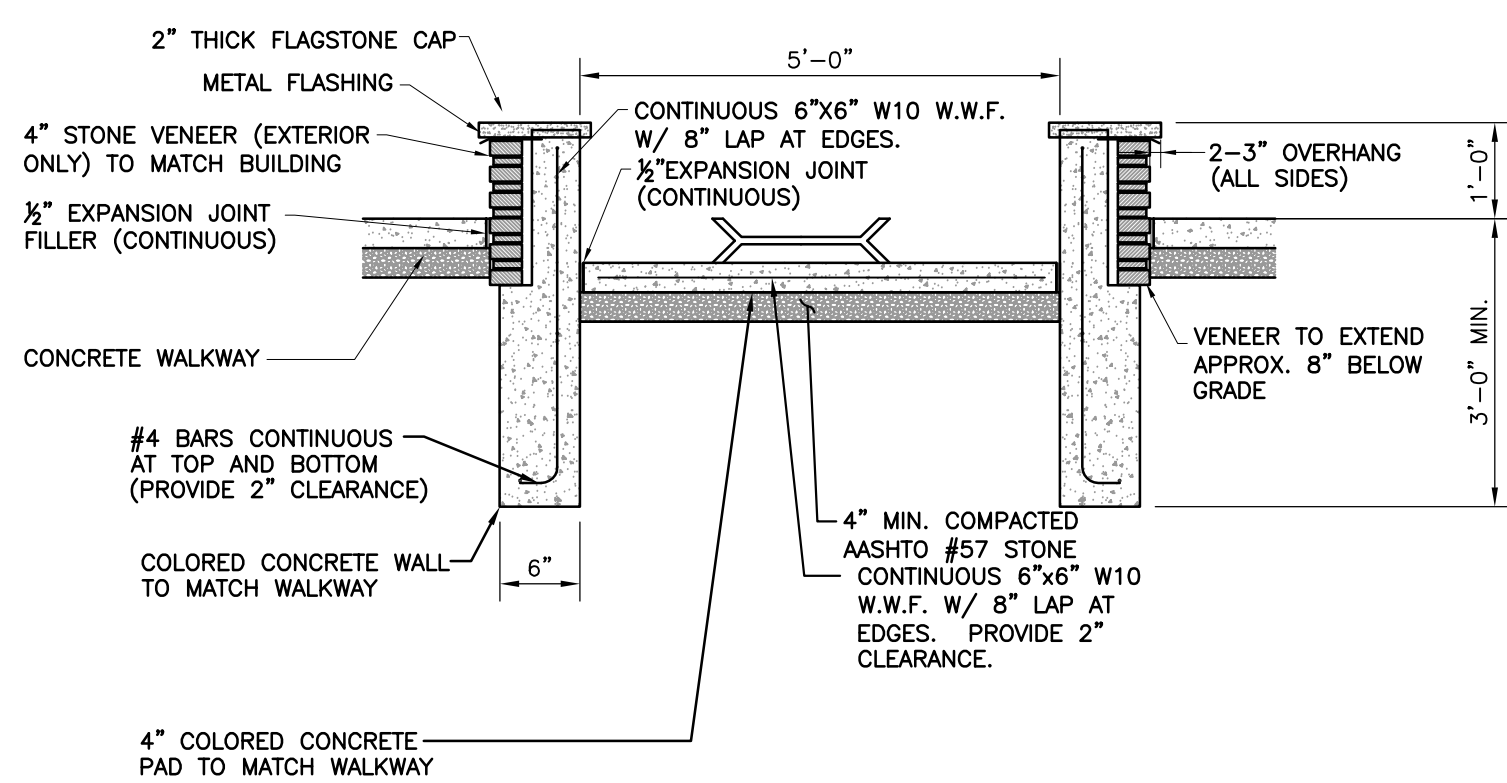


ELEVATION VIEW

**DETAIL 35  
WOODEN GUIDE RAIL**

N.T.S.

NOTE: FOR ADDITIONAL DETAILS AND SPECIFICATIONS CONTACT MANUFACTURER.



**DETAIL 39  
FIRE PIT**

1/2" = 1'-0"

**C&E**  
Civil & Environmental Consultants, Inc.  
333 Baldwin Road - Pittsburgh, PA 15205-9072  
Ph: 412.429.2324 - 800.365.2324 - Fax: 412.429.2114  
www.ccecinc.com

PROJECT NUMBER  
070-915

NO.	DATE	REVISION	APPR.
1	09/08/08	ISSUED FOR ADDENDUM	

SUBMITTED: \_\_\_\_\_  
PROJECT DESIGNER: \_\_\_\_\_ PROJECT COORDINATOR: \_\_\_\_\_  
APPROVED: \_\_\_\_\_  
CHIEF - DIVISION OF DESIGN: \_\_\_\_\_  
APPROVED: \_\_\_\_\_  
DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION: \_\_\_\_\_

**AS-BUILT**  
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COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494

APPLICABLE CONTRACT NO'S.

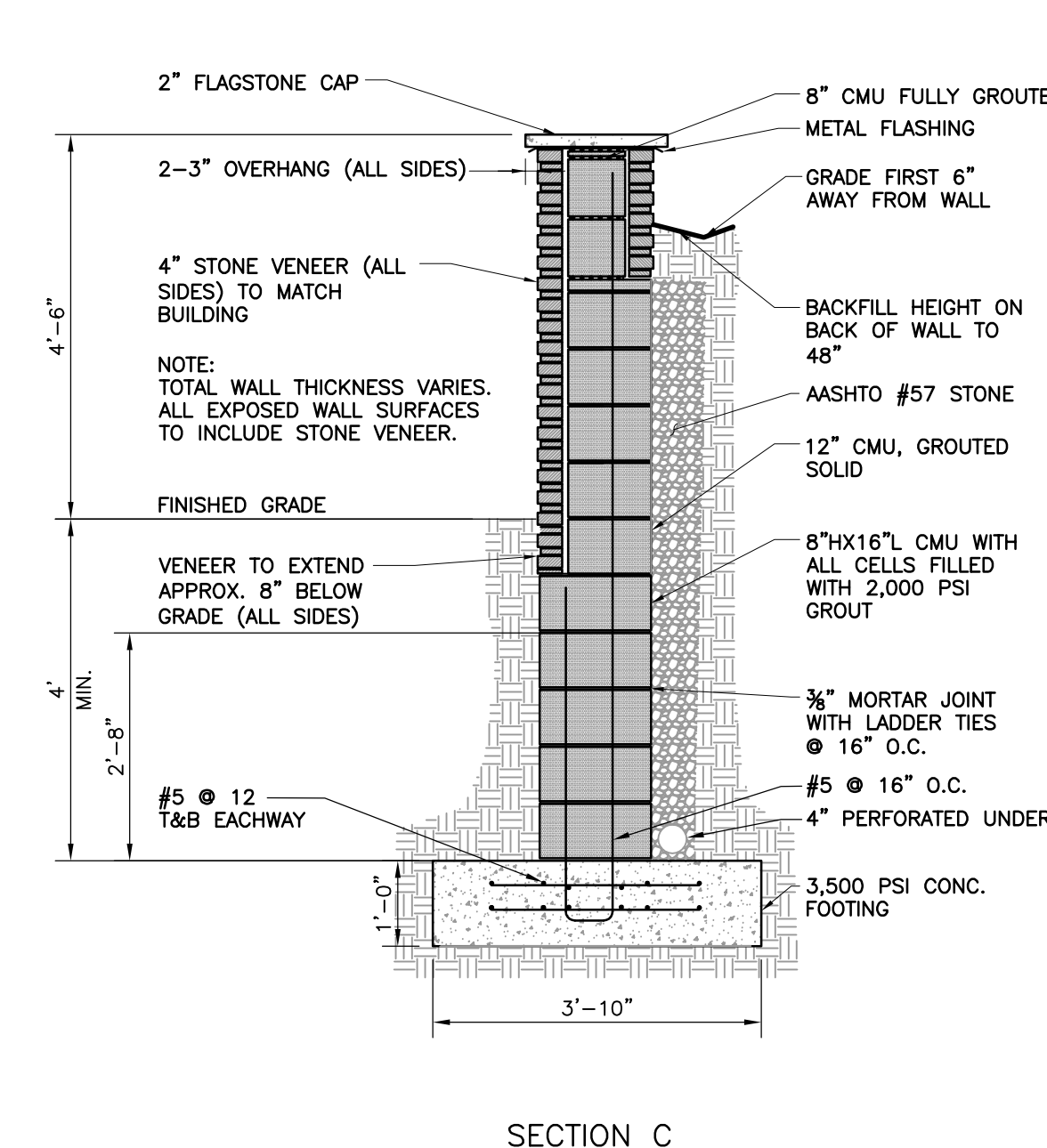
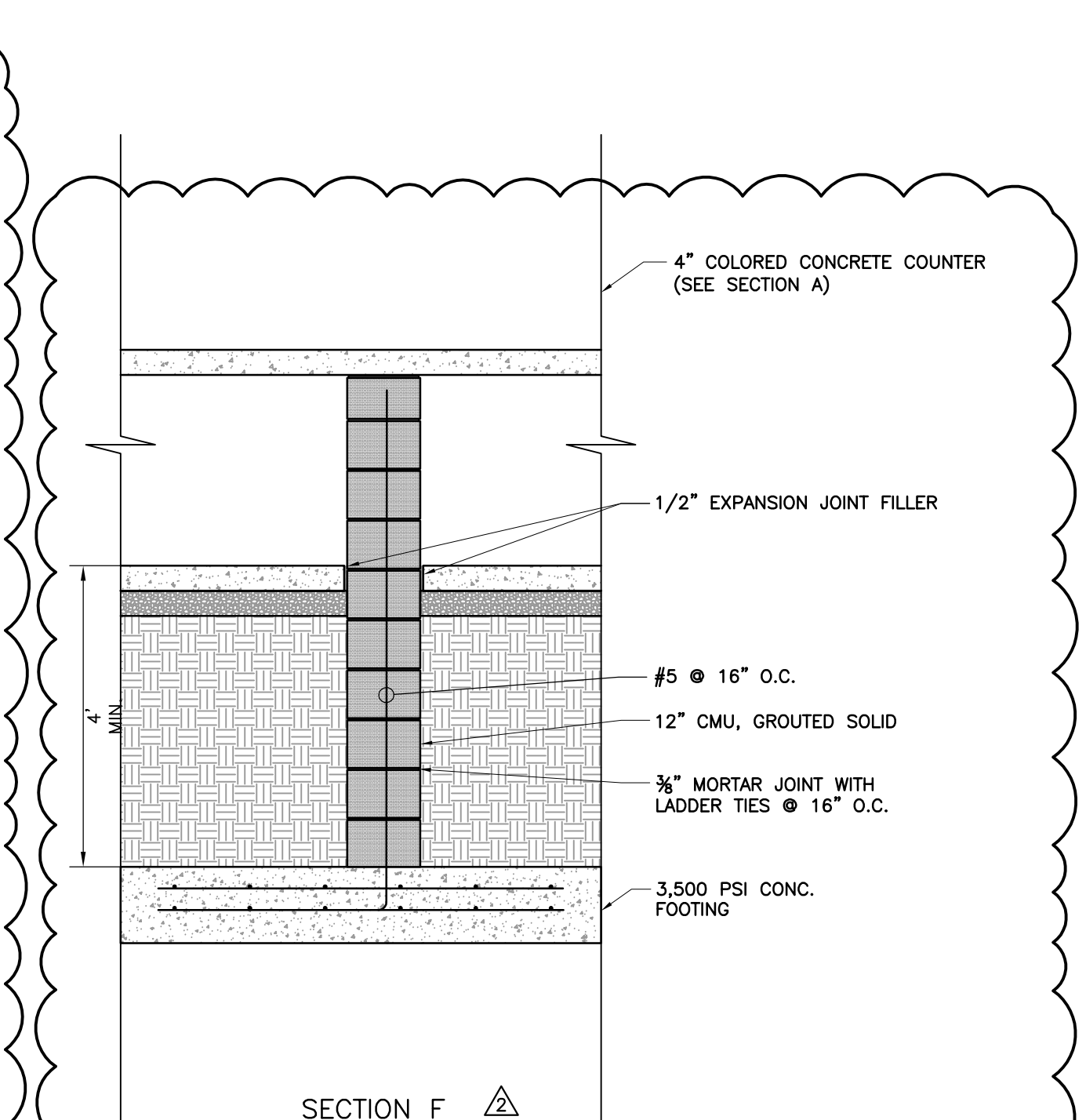
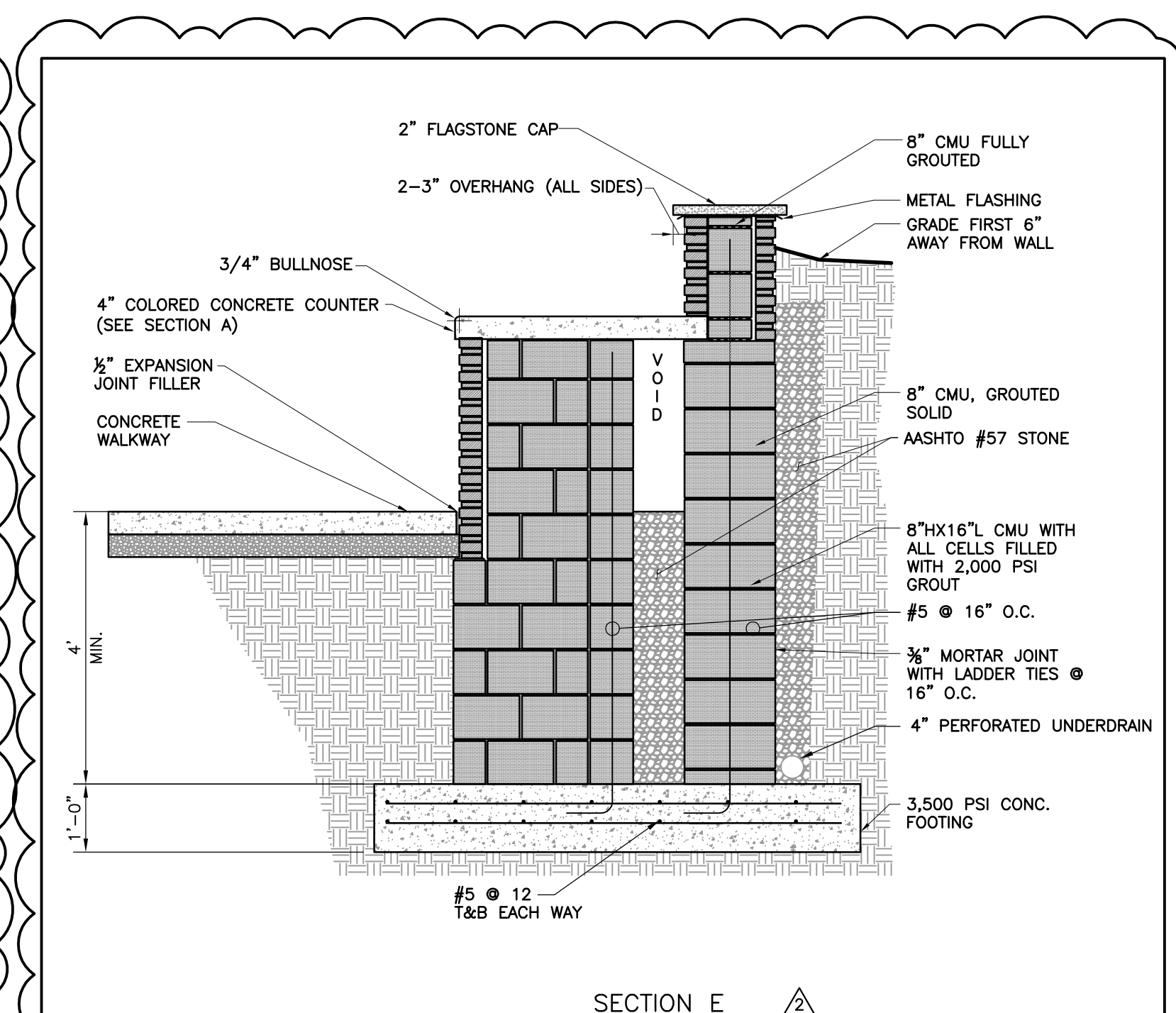
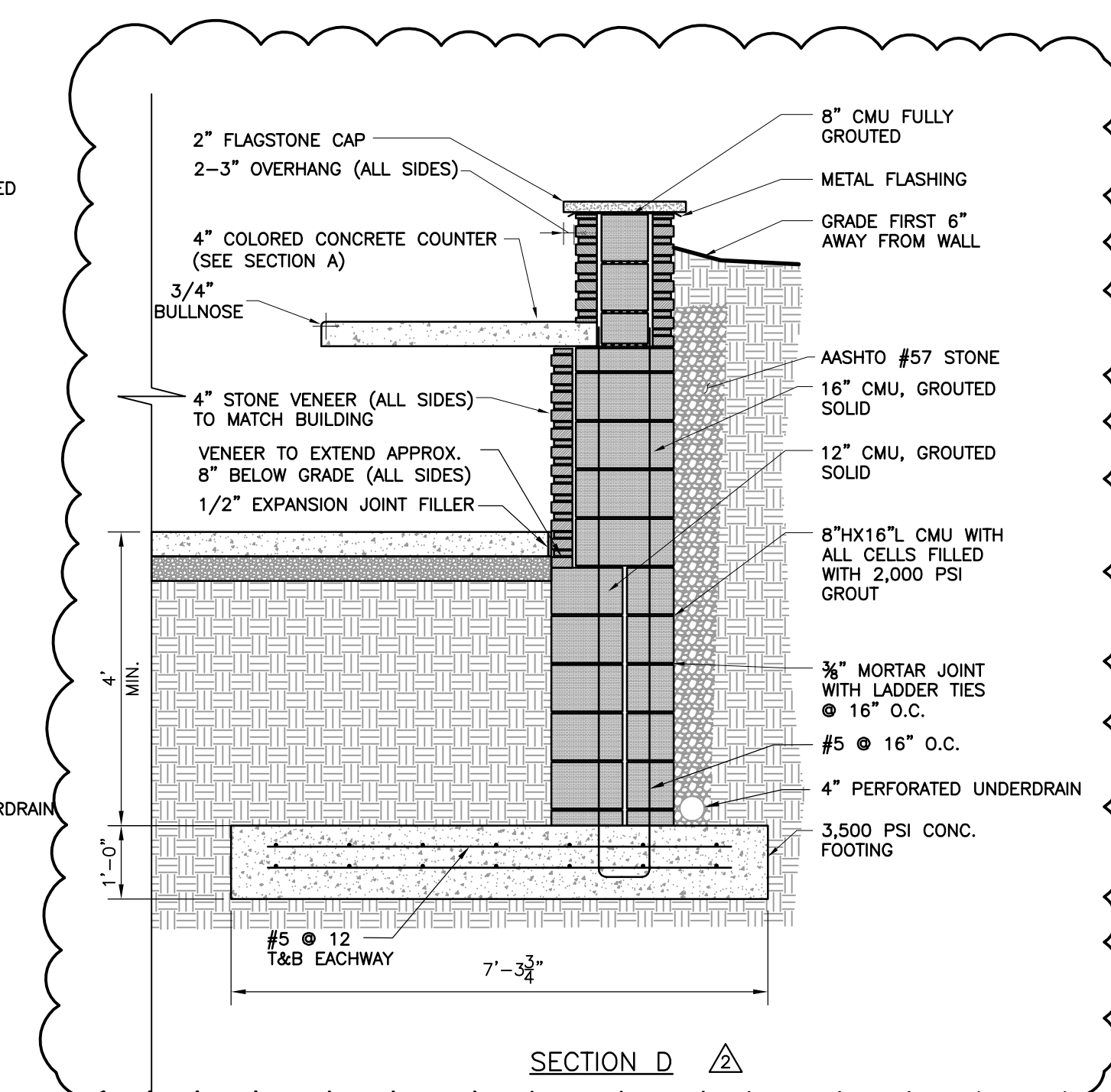
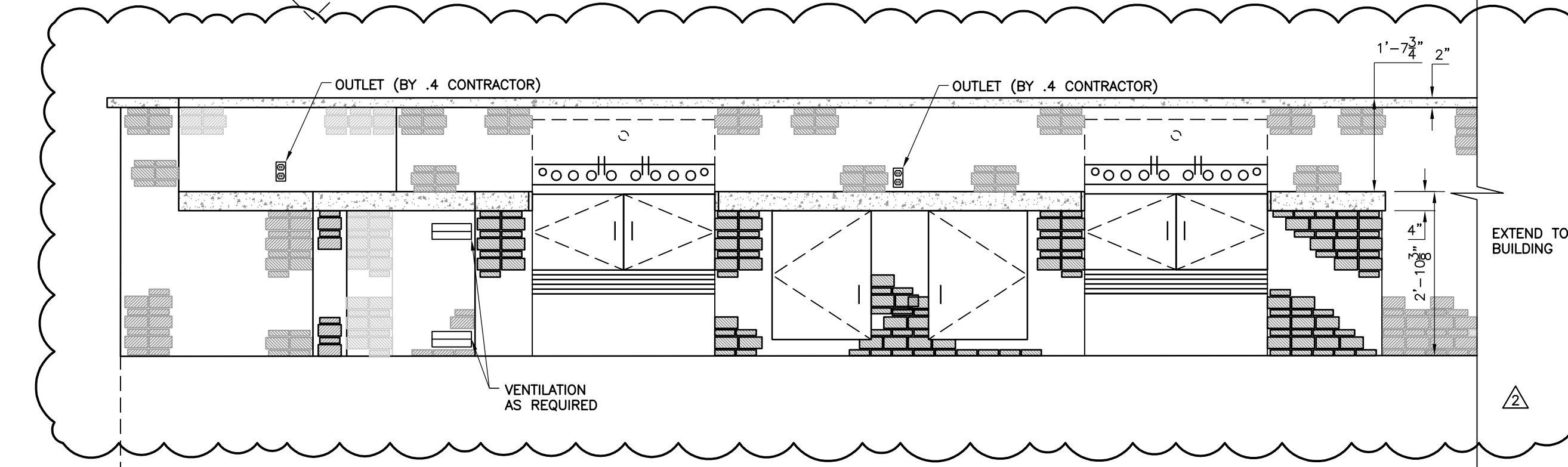
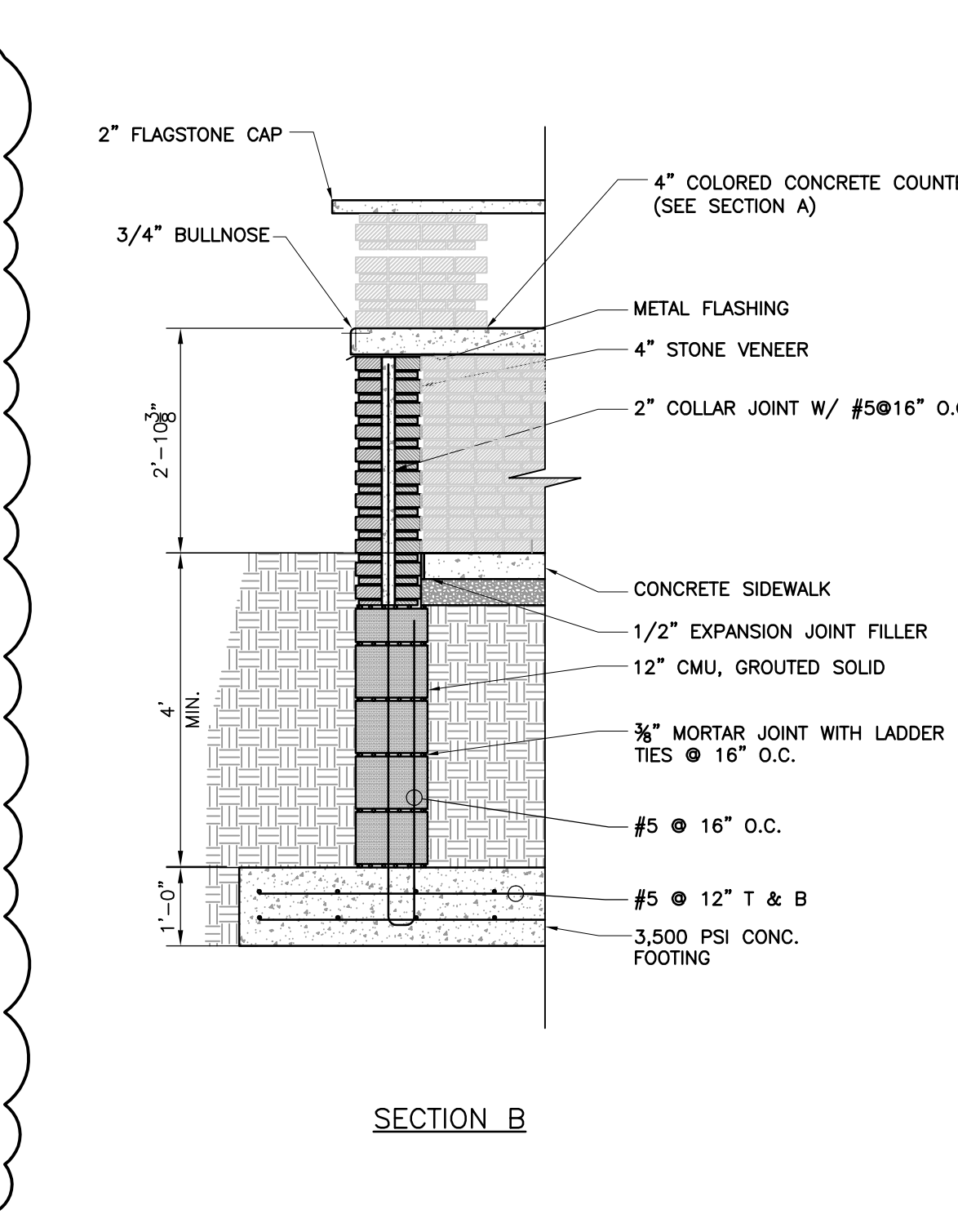
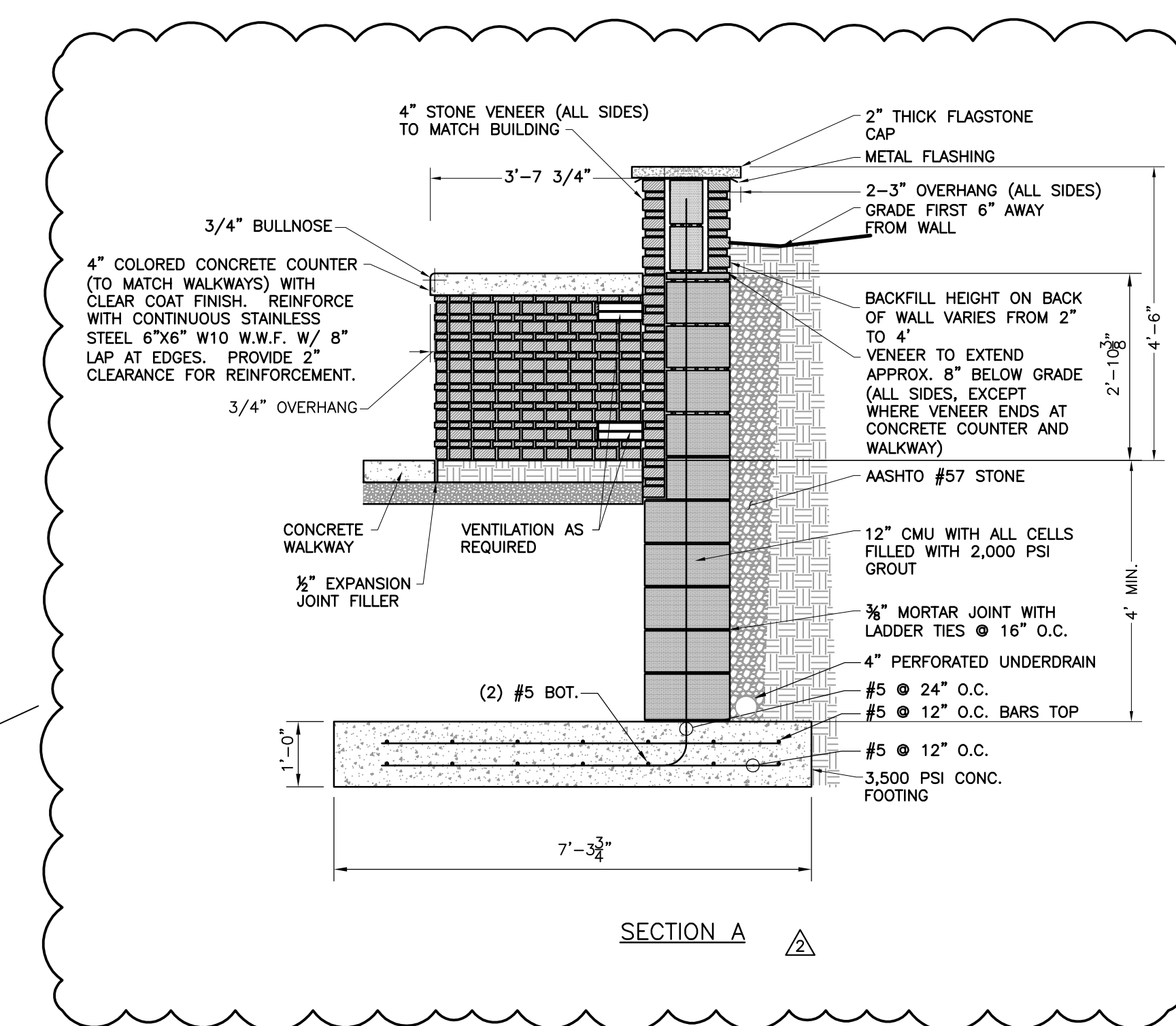
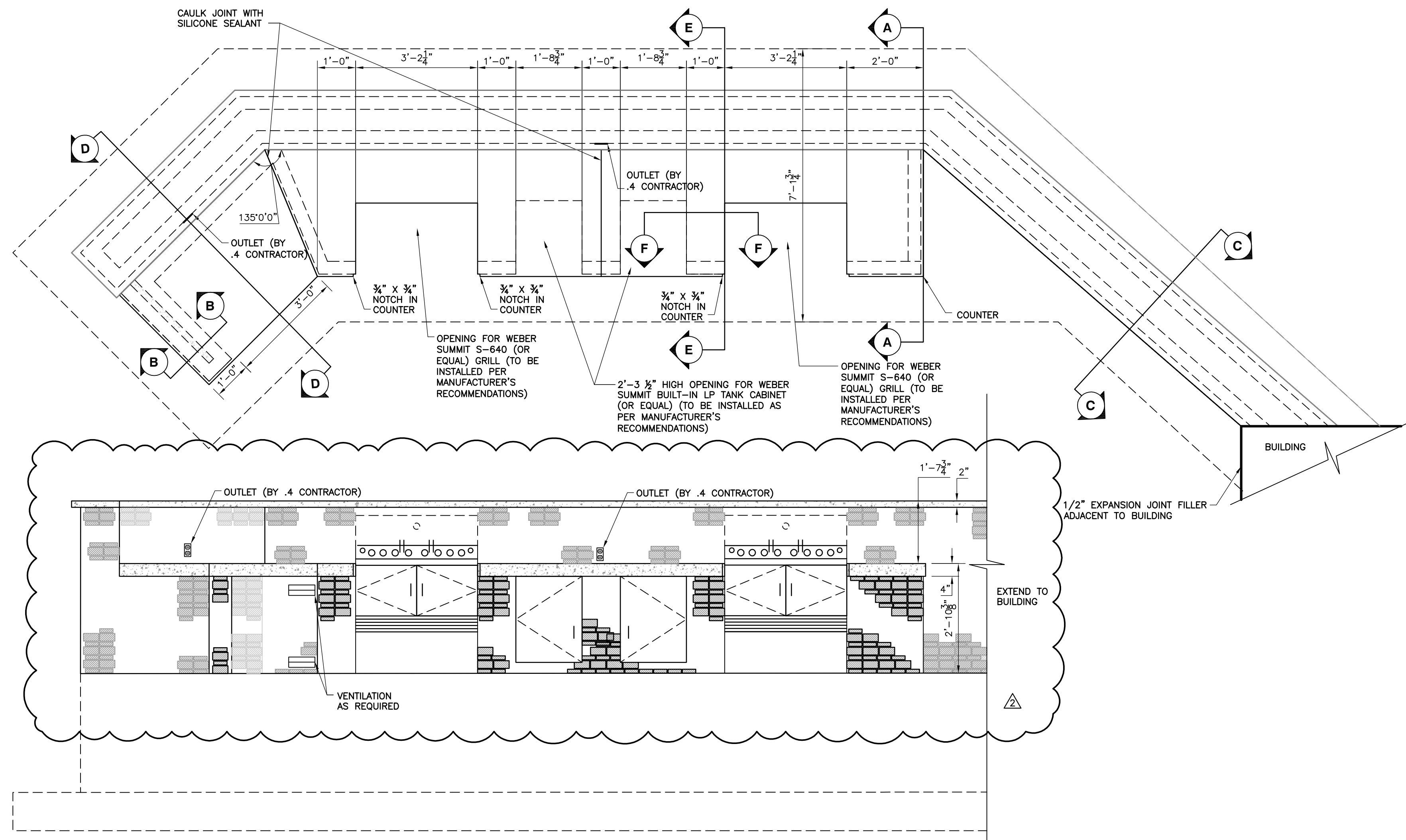
GENERAL: FDC-133-4494.1	PLUMBING:
HVAC:	ELECTRICAL:
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK  
HOWARD AND LIBERTY TOWNSHIP,  
CENTRE COUNTY, PENNSYLVANIA

CONSTRUCTION DETAILS

DRAWN BY: TAF	DATE: 09/18/08	DRAWING NO: C8.4
CHECKED BY: MWT	SCALE: AS NOTED	





- NOTES:**
- THIS DETAIL IS PROVIDED AS A BASIS OF DESIGN. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY THE DEPARTMENT.
  - GRILLS TO BE SUPPLIED WITH HEAVY-DUTY VINYL COVER BY MANUFACTURER.
  - PROVIDE TWO FULL 20 LB. LIQUID PROPANE TANKS.
  - PROVIDE SILICONE SEALANT AROUND PERIMETER AND FRONT EDGES OF GRILL AND LP TANK CABINET TO PREVENT MOISTURE SEEPAGE. SEALANT MUST HAVE TEMPERATURE RATING ABOVE 120° F.
  - CONSTRUCTION OF COUNTER TO BE STANDARD CMU'S FILLED WITH 2,000 PSI GROUT.
  - PROVIDE SCREENED BUILT-IN CABINET VENTS AT TOP AND BOTTOM OF ISLAND ON NORTH FACE, AND ALONG EAST FACE (FRONT). MINIMUM 100 SQUARE INCHES OF VENTING PER SIDE. INDICATE VENT LOCATIONS ON SHOP DRAWINGS.
  - PROVIDE TWO ACCESS DOORS LARGE ENOUGH TO INSTALL/MAINTAIN/REMOVE LP GAS LINES AND REGULATORS. DOORS TO BE SHOWN ON SHOP DRAWINGS AND LOCATED AT ACCESSIBLE LOCATIONS.
  - ALL WARRANTIES AND INSTRUCTION MANUALS TO BE PROVIDED TO DEPARTMENT.
  - CONNECT UNDERDRAINS TO STORM SEWER SYSTEM.

**DETAIL 41**  
**OUTDOOR GRILL AREA AND WALL**  
1/2"=1'-0"

ALL WORK .1 CONTRACTOR UNLESS OTHERWISE NOTED

 <b>Civil &amp; Environmental Consultants, Inc.</b> <small>333 Baldwin Road - Pittsburgh, PA 15205-9072          Ph: 412.429.2324 - 800.365.2324 - Fax: 412.429.2114          www.cecinc.com</small>		<b>PROJECT NUMBER</b> <b>070-915</b>
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NO.	DATE	REVISION	APPR.
2	09/18/08	REVISION TO OUTDOOR COUNTER	
1	09/08/08	ISSUED FOR ADDENDUM	

SUBMITTED: \_\_\_\_\_ PROJECT DESIGNER \_\_\_\_\_ PROJECT COORDINATOR \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ CHIEF - DESIGN OF DESIGN \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION \_\_\_\_\_

**AS-BUILT**

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COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
OFFICE OF PARKS AND FORESTRY

**PROJECT NO: FDC-133-4494**

APPLICABLE CONTRACT NO'S.

GENERAL: FDC-133-4494.1	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

**THE INN AT BALD EAGLE STATE PARK**  
HOWARD AND LIBERTY TOWNSHIP,  
CENTRE COUNTY, PENNSYLVANIA

**CONSTRUCTION DETAILS**

DRAWN BY: TAF	DATE: 09/18/08	DRAWING NO: C8.5
CHECKED BY: MWT	SCALE: AS NOTED	

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DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

ATTACH GUY WIRE AND HOSE ABOVE FIRST BRANCH.

STAKE TREES UNDER 3" CAL. USE 6" WOOD STAKES 3 PER TREE @ 120".

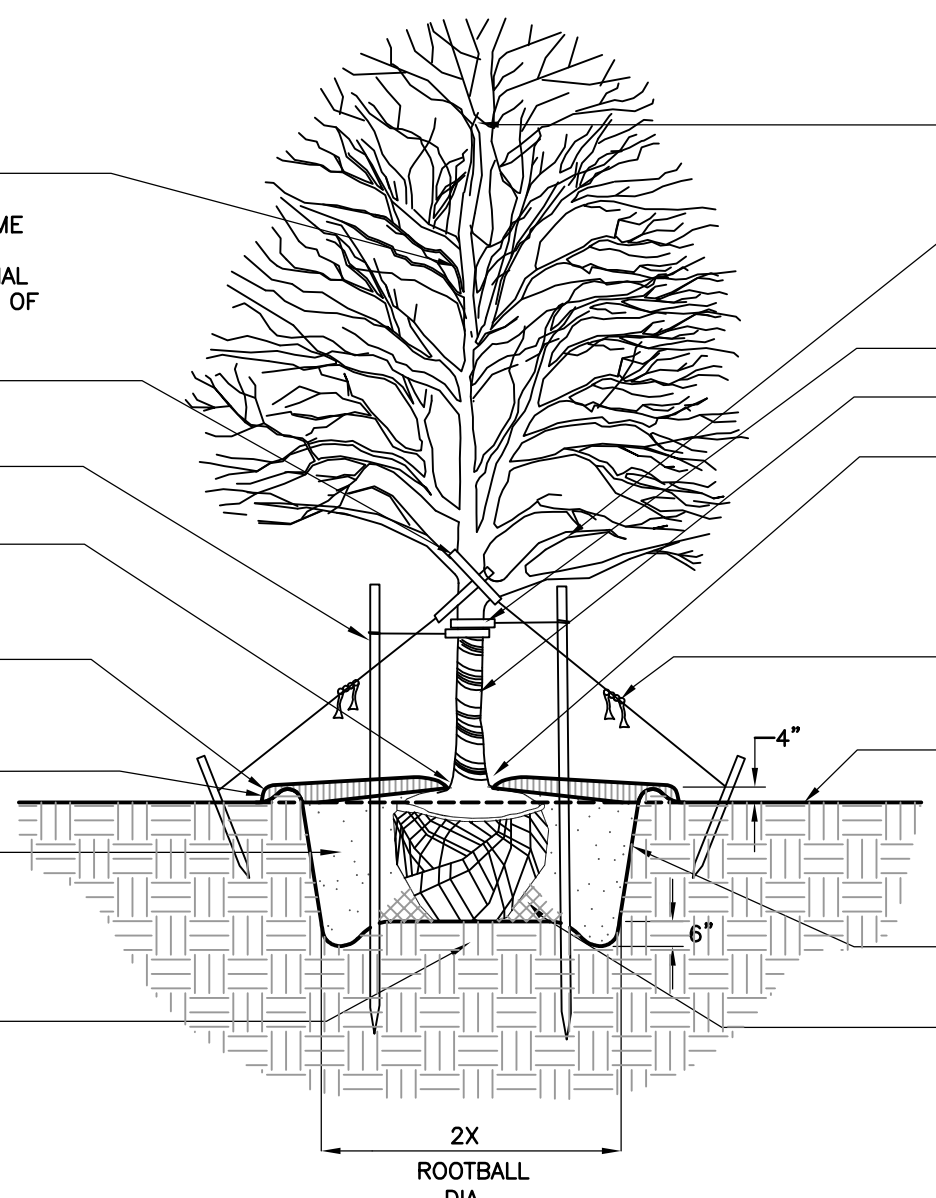
REMOVE ALL SOIL FROM TOP OF ROOT BALL TO EXPOSE BOTTOM OF ROOT FLARE. SET BASE OF ROOT FLARE 4" ABOVE FINISHED GRADE.

3" MULCH AT 3'-6" RADIUS AROUND THE TRUNK. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. NO VOLCANO MULCHING.

4" HIGH x 4" WIDE EARTH SAUCER BEYOND EDGE OF ROOT BALL.

BACK FILL MIX  
2/3 SITE SOIL  
1/3 SOIL AMENDMENTS

UNEXCAVATED OR COMPACTED MOUND UNDER THE ROOT BALL TO PREVENT SETTLEMENT.



DO NOT CUT CENTRAL LEADER.

GUY TREES 3" CAL. & LARGER USE 30" STAKES DRIVEN BELOW GRADE. (3 STAKES 120" APART).

0.5 IN. DIAM. PLASTIC HOSE.

REMOVE ANY WRAPPING OR TAPE.

EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.

COLORLED FLAGS TO BE ATTACHED TO WIRE MIN. 30" ABOVE FINISHED GRADE. INTENT TO WARN OF TRIPPING HAZARD.

FINISH GRADE

1:1 SLOPE ON SIDES OF PLANTING HOLE.

TAMP SOIL UNDER ROOT BALL TO STABILIZE TREE.

**NOTES:**

1. PROVIDE POSITIVE DRAINAGE UNDER ALL CIRCUMSTANCES. DRAINAGE SHOULD BE FROM CENTER OF ROOT BALL TO PERIMETER OF ROOT BALL. DO NOT ALLOW PONDING OF WATER UNDER ROOTBALL.
2. REMOVE TOP HALF OF WIRE BASKET AFTER PLACING ROOTBALL IN PLANT PIT.
3. REMOVE ROPE TIES & TOP 1/3 OF BURLAP FROM ROOT BALL AFTER PLANTING.
4. POLYPROPYLENE STRAPS MAY BE SUBSTITUTED IN LIEU OF WIRES, ARBORTIE OR EQUIVALENT.
5. SEE PLANTING SCHEDULE AND PLANTING NOTES FOR ADDITIONAL INFORMATION/REQUIREMENTS.

**DETAIL 44  
DECIDUOUS TREE PLANTING**  
N.T.S.

HOSE GUARDS AND GUY WIRE

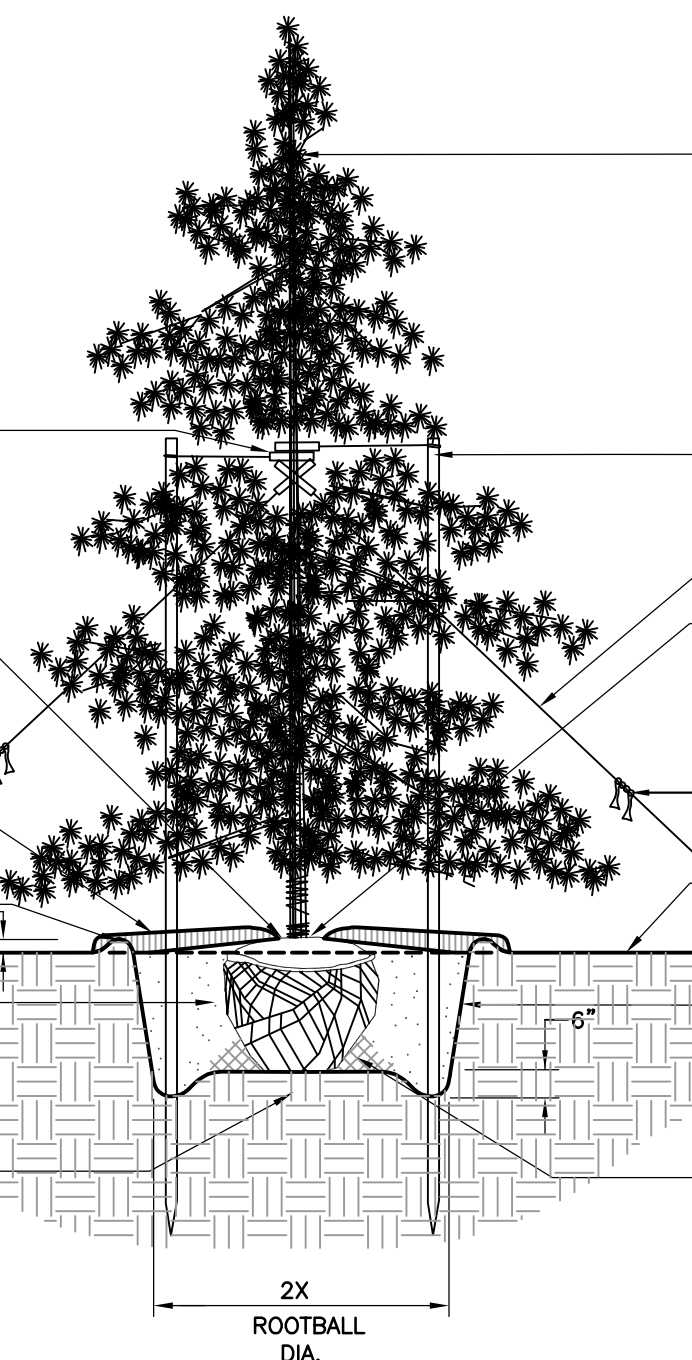
SET TOP OF ROOT CROWN 4" ABOVE FINISH GRADE.

3" DEPTH MULCH AT 3'-6" RADIUS AROUND THE TRUNK. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. NO VOLCANO MULCHING.

4" HIGH x 4" WIDE EARTH SAUCER BEYOND EDGE OF ROOT BALL.

BACK FILL MIX  
2/3 SITE SOIL  
1/3 SOIL AMENDMENTS

UNEXCAVATED OR COMPACTED MOUND UNDER THE ROOT BALL TO PREVENT SETTLEMENT.



DO NOT CUT CENTRAL LEADER.

STAKE TREES UP TO 8' HEIGHT WITH 3 STAKES @ 120" APART.

GUY TREES 9' HT. AND TALLER. USE 2"x 2" STAKES DRIVEN BELOW GRADE. 3 STAKES @ 120" APART.

EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.

COLORLED FLAGS TO BE ATTACHED TO WIRE MIN. 30" ABOVE FINISHED GRADE. INTENT TO WARN OF TRIPPING HAZARD.

FINISH GRADE

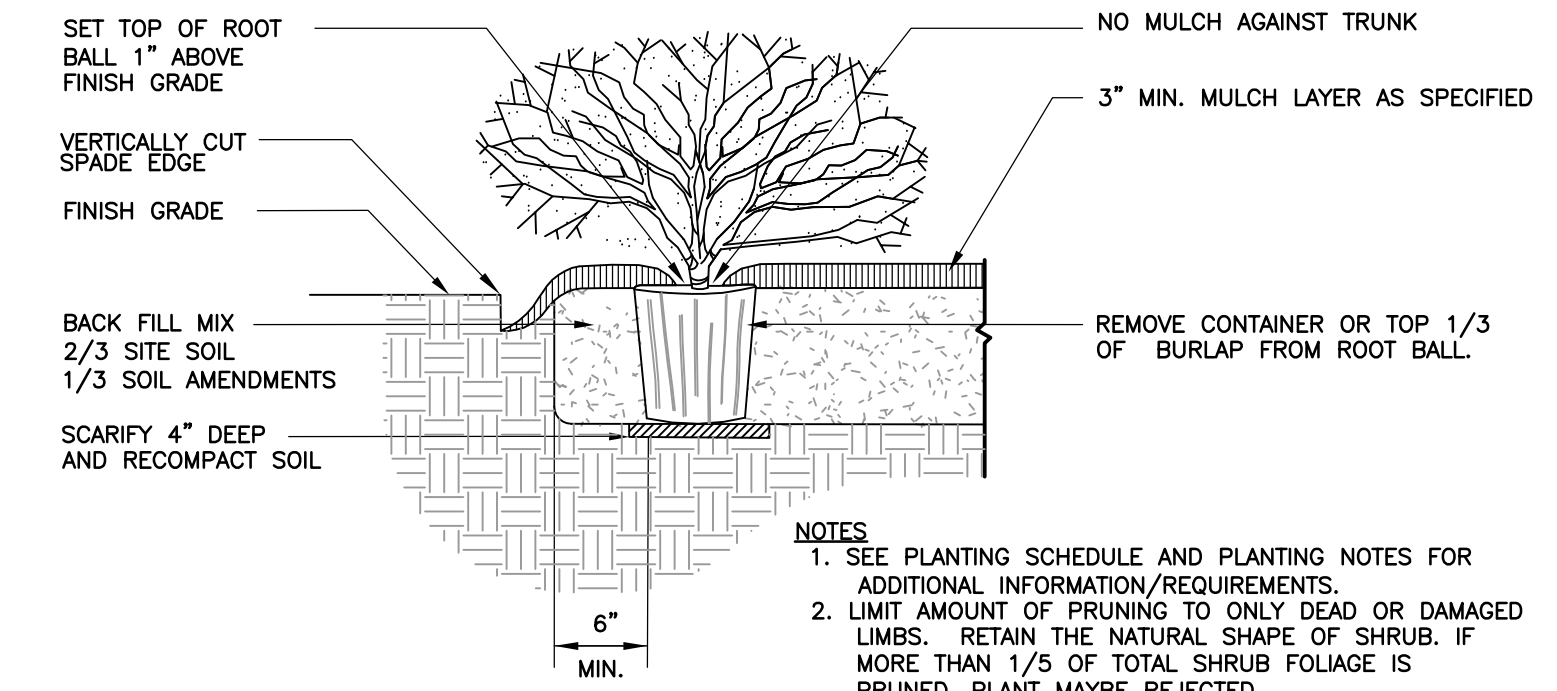
1:1 SLOPE ON SIDES OF PLANTING HOLE.

TAMP SOIL UNDER ROOT BALL TO STABILIZE TREE.

**NOTES:**

1. PROVIDE POSITIVE DRAINAGE UNDER ALL CIRCUMSTANCES. DRAINAGE SHOULD BE FROM CENTER OF ROOT BALL TO PERIMETER OF ROOT BALL. DO NOT ALLOW PONDING OF WATER UNDER ROOTBALL.
2. REMOVE TOP HALF OF WIRE BASKET AFTER PLACING ROOTBALL IN PLANT PIT.
3. REMOVE ROPE TIES & TOP 1/3 OF BURLAP FROM ROOT BALL AFTER PLANTING.
4. POLYPROPYLENE STRAPS MAY BE SUBSTITUTED IN LIEU OF WIRES, ARBORTIE OR EQUIVALENT.
5. SEE PLANTING SCHEDULE AND PLANTING NOTES FOR ADDITIONAL INFORMATION/REQUIREMENTS.
6. WHEN PRUNING EVERGREENS, REMOVE ONLY DEAD OR DAMAGED BRANCHES. ALL COLLECTED SPECIMENS SHALL BE SPRAYED W/INSECTICIDES AFTER PLANTING.

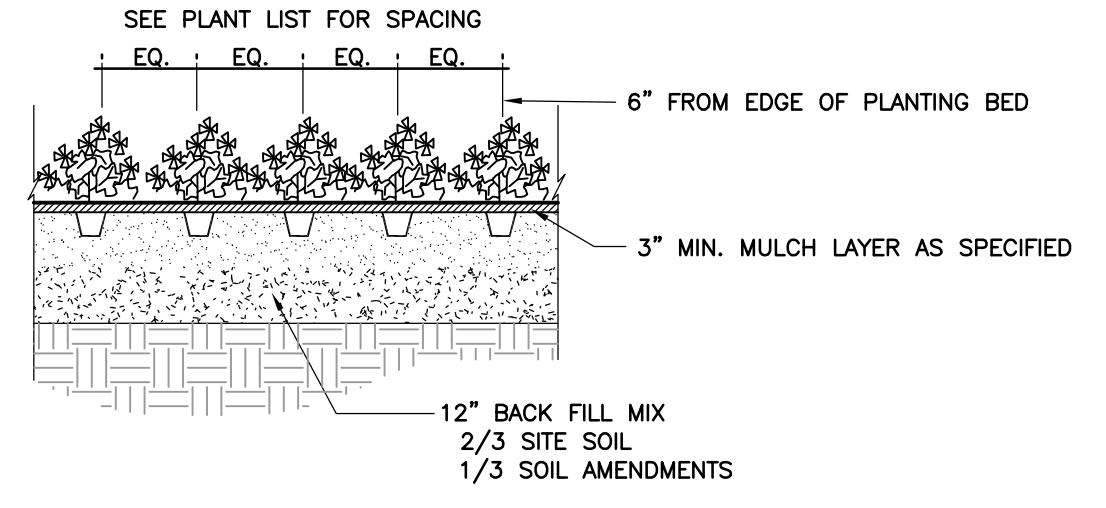
**DETAIL 45  
EVERGREEN TREE PLANTING**  
N.T.S.



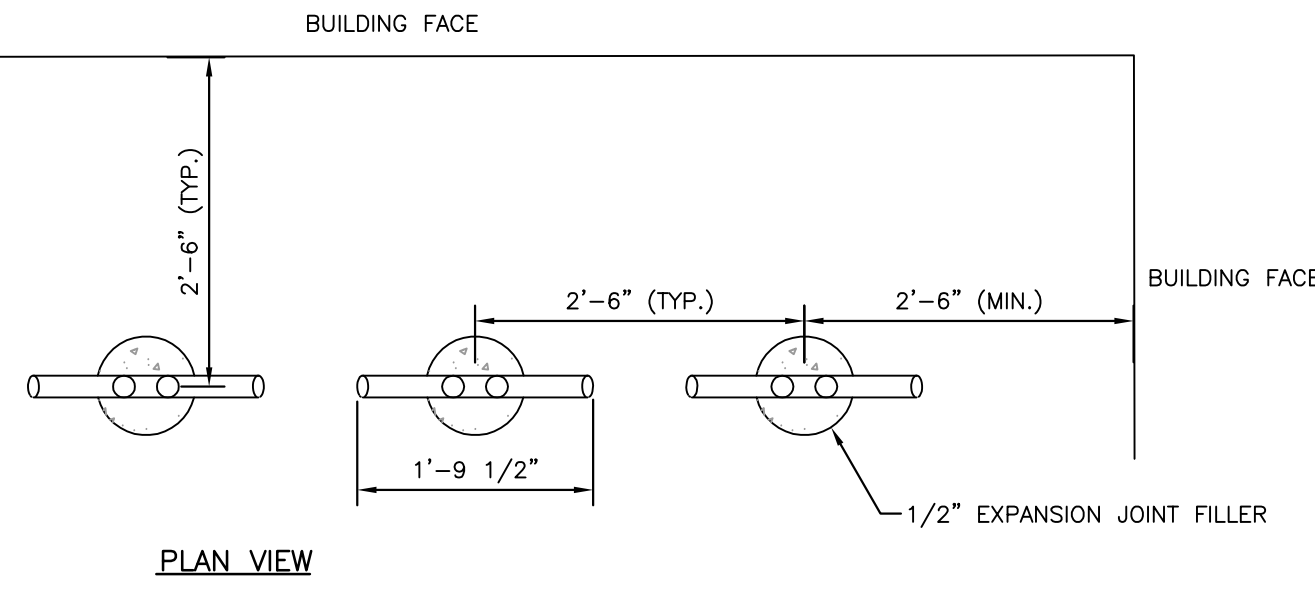
**NOTES:**

1. SEE PLANTING SCHEDULE AND PLANTING NOTES FOR ADDITIONAL INFORMATION/REQUIREMENTS.
2. LIMIT AMOUNT OF PRUNING TO ONLY DEAD OR DAMAGED LIMBS. RETAIN THE NATURAL SHAPE OF SHRUB. IF MORE THAN 1/5 OF TOTAL SHRUB FOLIAGE IS PRUNED, PLANT MAYBE REJECTED.

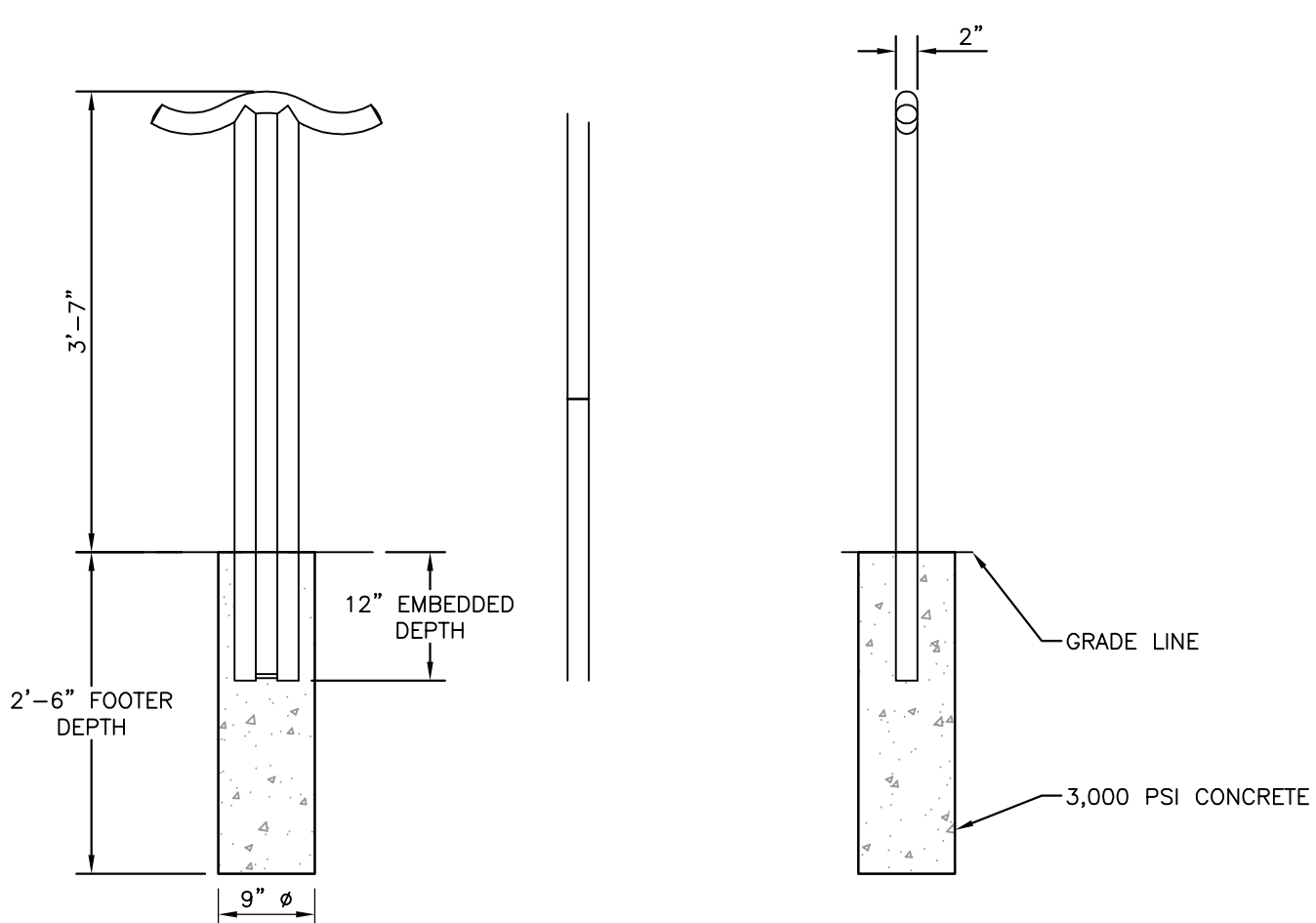
**DETAIL 42  
SHRUB PLANTING**  
N.T.S.



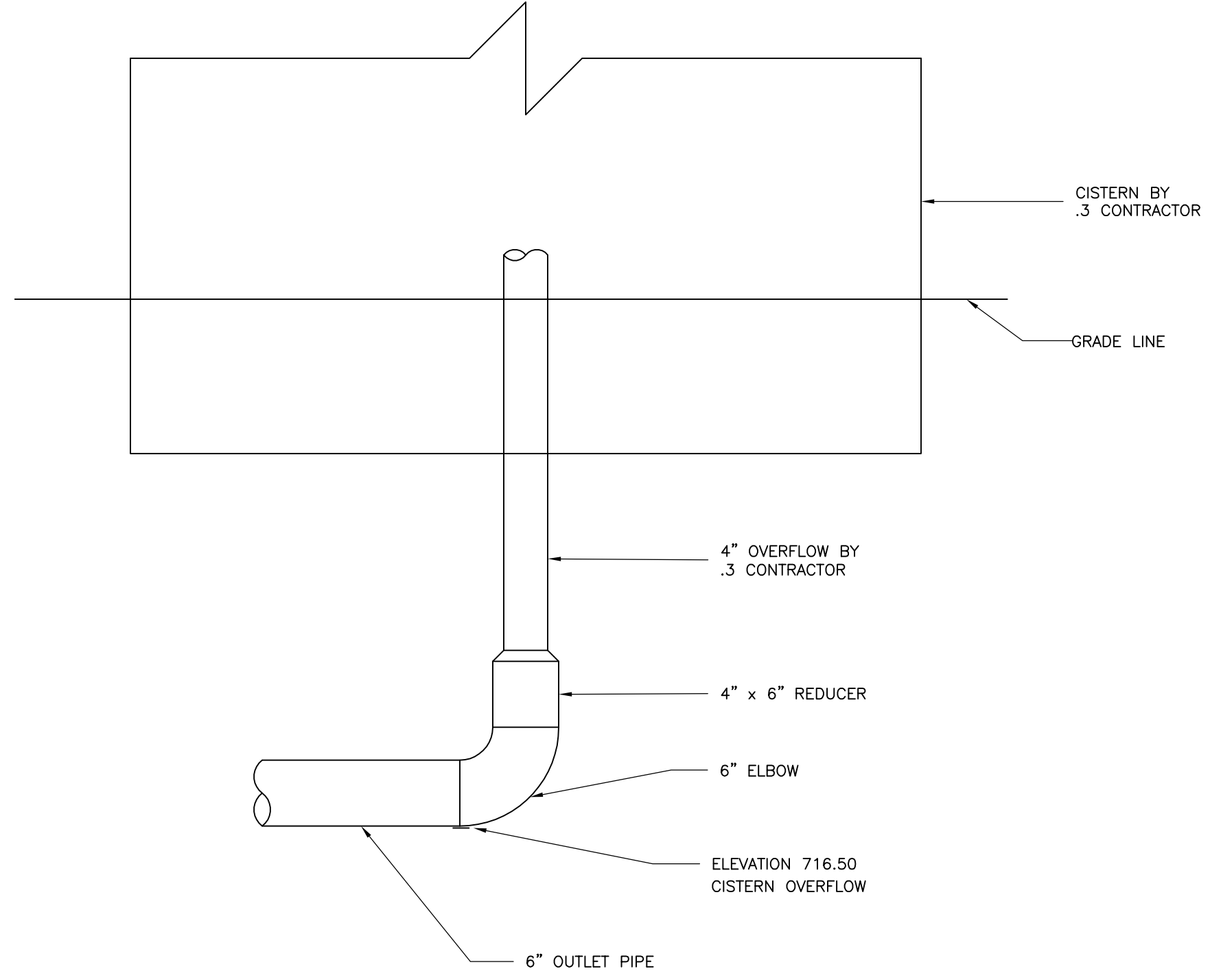
**DETAIL 43  
GROUNDCOVER PLANTING**  
N.T.S.



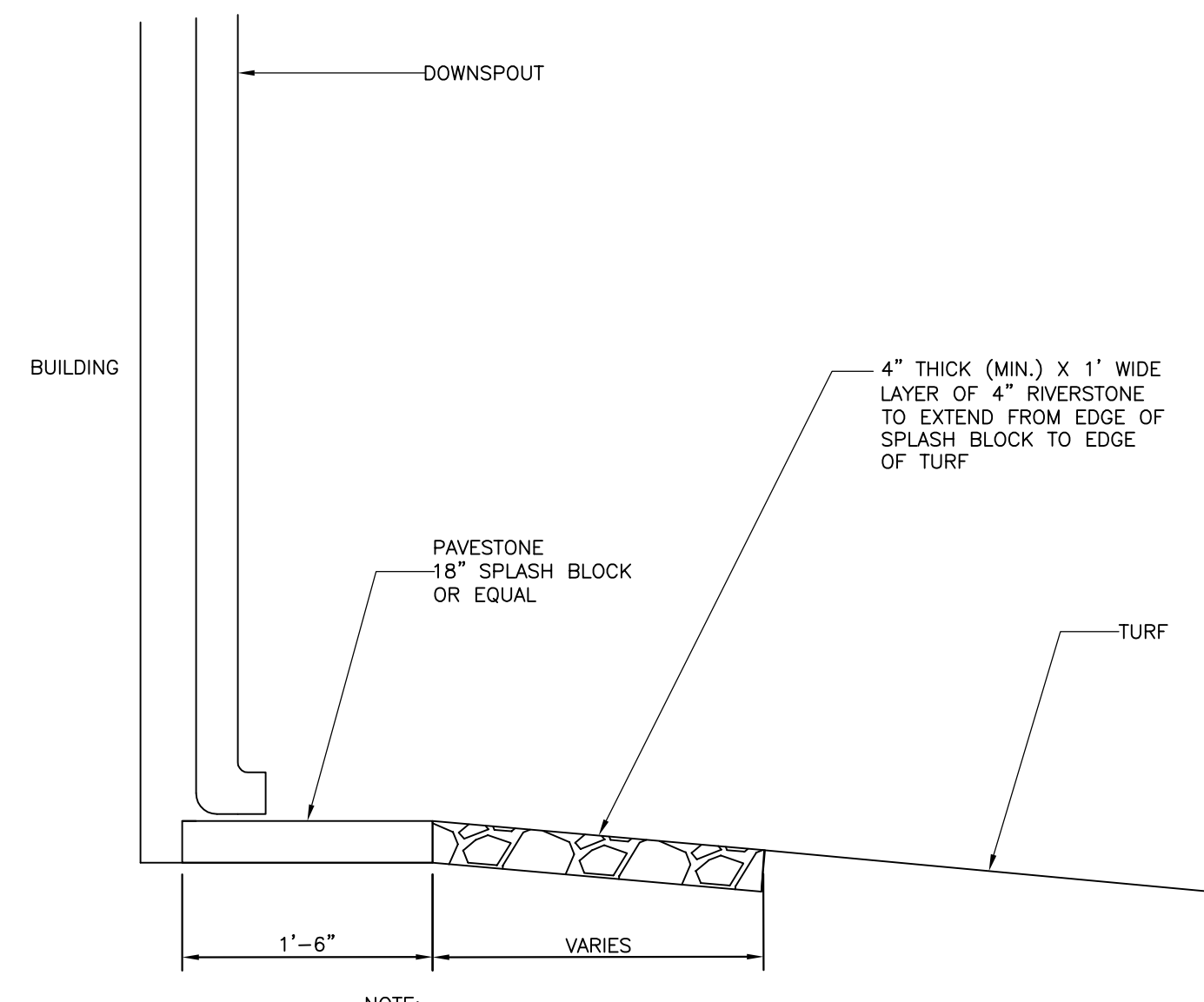
**PLAN VIEW**



**DETAIL 46  
BICYCLE RACK**  
N.T.S.



**DETAIL 47  
CISTERNS OVERFLOW**  
N.T.S.



**NOTE:** SPLASH BLOCK TO BE INSTALLED WHERE DOWNSPOUT IS NOT CONNECTED TO A RAIN BARREL OR CISTERNS

**DETAIL 48  
SPLASH BLOCK**  
N.T.S.

ALL WORK .1 CONTRACTOR UNLESS OTHERWISE NOTED

**CEC**  
Civil & Environmental Consultants, Inc.  
333 Baldwin Road - Pittsburgh, PA 15205-9072  
Ph: 412.429.2324 - 800.365.2324 - Fax: 412.429.2114  
www.cecinc.com

PROJECT NUMBER  
070-915

NO.	DATE	REVISION	APPR.
1	09/08/08	ISSUED FOR ADDENDUM	

PROJECT DESIGNER	PROJECT COORDINATOR
CHIEF - DESIGN OF DESIGN	
DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION	

**AS-BUILT**

THIS RECORD DRAWING HAS BEEN PREPARED ON INFORMATION PROVIDED BY OTHERS. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494

APPLICABLE CONTRACT NO'S.

GENERAL: FDC-133-4494.1	PLUMBING: FDC-133-4494.3
HVAC:	ELECTRICAL:
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK  
HOWARD AND LIBERTY TOWNSHIP,  
CENTRE COUNTY, PENNSYLVANIA

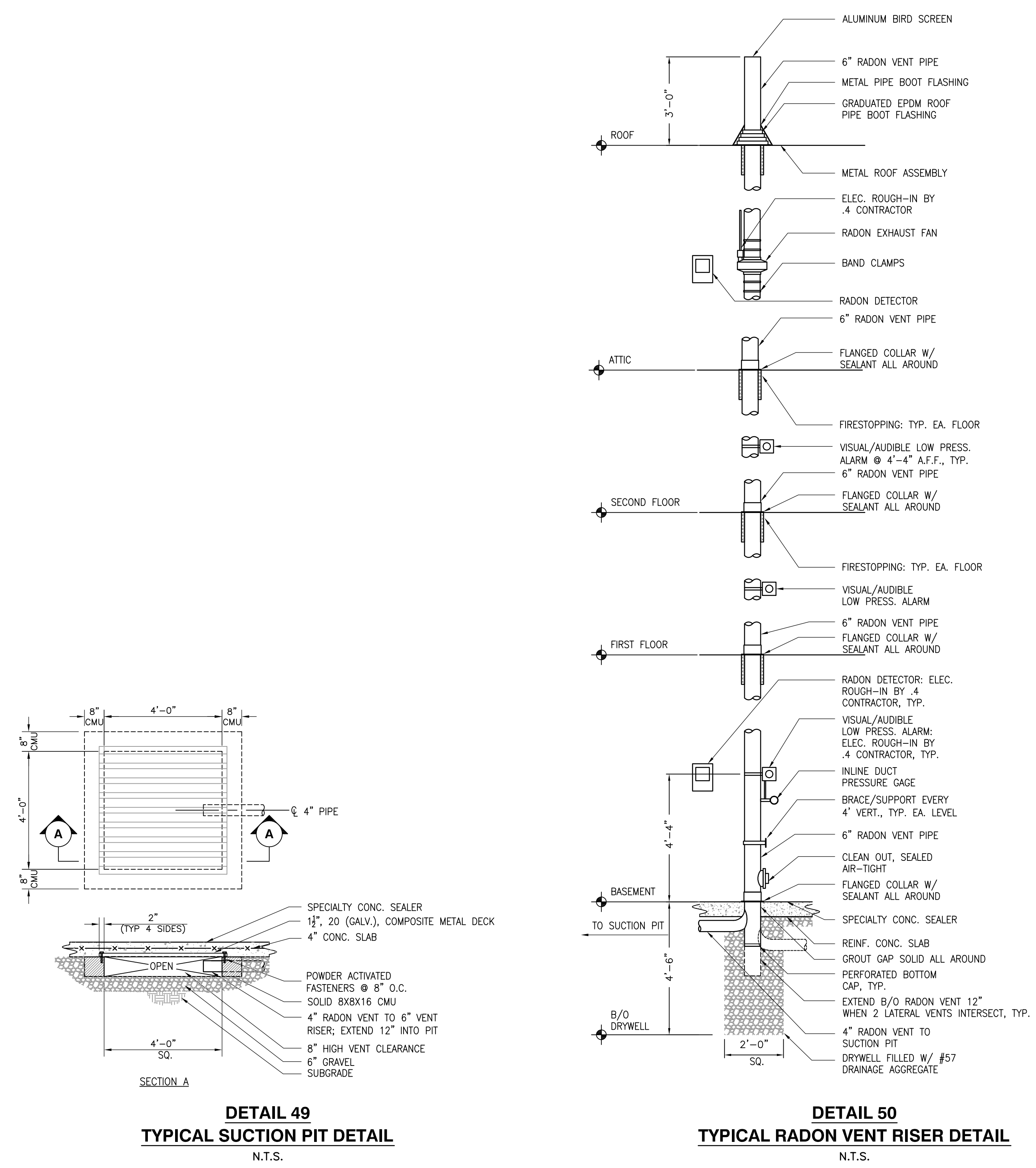
CONSTRUCTION DETAILS

DRAWN BY: TAF	DATE: 09/18/08	DRAWING NO: C8.6
CHECKED BY: MWT	SCALE: AS NOTED	

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- DETAIL 49**  
**TYPICAL SUCTION PIT DETAIL**  
N.T.S.
- RADON MITIGATION SYSTEM NOTES**
- REFER TO DWG. S1.1 FOR LOCATION & EXTENT OF SUCTION PITS.
  - ELECTRICAL ROUGH-INS BY .4 CONTRACTOR; ALL OTHER RADON MITIGATION SYSTEM WORK BY .1 CONTRACTOR.
  - REFER TO DWGS A2.0 THROUGH A2.3 FOR RADON VENT LOCATIONS.
  - LOWEST OCCUPIED LEVEL OF BUILDING MAY VARY; PROVIDE COMPLETE RADON VENT RISER ASSEMBLY (DETAIL 50 SIMILAR TO BASEMENT LEVEL) FOR EACH LOWEST OCCUPIABLE LEVEL.

<b>Civil &amp; Environmental Consultants, Inc.</b> <small>333 Baldwin Road - Pittsburgh, PA 15205-9072          Ph: 412.429.2324 - 800.365.2324 - Fax: 412.429.2114          www.cecinc.com</small>		<b>PROJECT NUMBER</b> <b>070-915</b>	
NO.	DATE	REVISION	APPR.
1	09/08/08	ISSUED FOR ADDENDUM	
SUBMITTED _____ PROJECT DESIGNER _____ PROJECT COORDINATOR _____ APPROVED _____ CHIEF - DIVISION OF DESIGN _____ APPROVED _____ DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION _____			
<b>AS-BUILT</b> <small>THIS RECORD DRAWING HAS BEEN PREPARED ON INFORMATION PROVIDED BY OTHERS. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.</small>			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES OFFICE OF PARKS AND FORESTRY			
<b>PROJECT NO: FDC-133-4494</b>			
APPLICABLE CONTRACT NO'S.			
GENERAL:	FDC-133-4494.1	PLUMBING:	
HVAC:		ELECTRICAL:	
ROADWAY:			
<b>THE INN AT BALD EAGLE STATE PARK</b> <b>HOWARD AND LIBERTY TOWNSHIP,</b> <b>CENTRE COUNTY, PENNSYLVANIA</b>			
<b>RADON MITIGATION SYSTEM</b> <b>DETAILS</b>			
DRAWN BY:	TAF	DATE:	09/18/08
CHECKED BY:		SCALE:	AS NOTED
			C8.7





**LEGEND**

	EXISTING PROPERTY BOUNDARY
	EXISTING CONTOUR
	EXISTING GUIDE RAIL
	EXISTING FENCE
	EXISTING TREE LINE
	EXISTING SANITARY SEWER LINE
	EXISTING STORM SEWER LINE
	EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING WATER LINE
	EXISTING CATCH BASIN
	EXISTING SANITARY MANHOLE
	EXISTING UTILITY MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING SIGN
	EXISTING TREE
	WORK POINT
	NORTHING
	EASTING
	PROPOSED BUILDING
	PROPOSED CONCRETE PAD
	PROPOSED CONCRETE WALKWAY
	PROPOSED REINFORCED TURF PARKING
	PROPOSED HIKING TRAIL
	PROPOSED BRIDGE
	PROPOSED GUIDE RAIL
	PROPOSED CENTERLINE
	PROPOSED ADA PARKING
	PROPOSED SIGN
	PROPOSED WHEEL STOP
	PROPOSED PARKING COUNT
	DETAIL NUMBER
	SHEET NUMBER
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED INLET
	PROPOSED NPDES/LOD BOUNDARY

- NOTES**
- EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE OF NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT IMMEDIATELY.
  - ALL EXISTING ABOVE AND BELOW GROUND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS NOTED OTHERWISE WITHIN THIS CONSTRUCTION SET AND/OR PROJECT SPECIFICATIONS. THIS INCLUDES FOUNDATION SLABS, WALLS AND FOOTINGS. IN ADDITION, ALL EXISTING UTILITY SERVICES TO BUILDINGS SHALL BE DISCONNECTED AND TERMINATED PER EACH UTILITY COMPANY'S REQUIREMENTS.
  - ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT. CONTRACTOR SHALL ALSO CONTACT PENNSYLVANIA ONE CALL SYSTEM, INC. AT 800-242-1776 AND THE APPROPRIATE UTILITY COMPANIES AT LEAST THREE (3) DAYS PRIOR TO THE INITIATION OF EARTH MOVING AND DEMOLITION ACTIVITIES.
  - THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE DEPARTMENT FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES OCCURRING IN THE COURSE OF THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
  - PROJECT LIMIT LINE IS DEFINED IN THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. SEE SHEET C9.0-C9.5

- REFERENCES**
- EXISTING TOPOGRAPHY PREPARED BY NOR EAST MAPPING, INC. JOB# NEM08006 DATE OF PHOTOGRAPHY: JAN 31, 2008 BALDEAGLE.DWG
  - EXISTING SUBSURFACE SANITARY SEWER INFORMATION INTERPRETED FROM DRAWING TITLED SANITARY SEWER REHABILITATION BALD EAGLE STATE PARK PLAN AND DETAIL FROM PROJECT NO. MM 91-6133A DATED SEP 1991
  - EXISTING SUBSURFACE WATER LINE AND ELECTRIC LINE INFORMATION INTERPRETED FROM DRAWING TITLED FOSTER JOSEPH SAYERS RESERVOIR SANITARY SYSTEMS FOR PUBLIC USE FACILITIES BALD EAGLE STATE PARK GENERAL PLAN DATED SEP 1973

**ONE CALL SERIAL NO.: 0925482**

**CALL BEFORE YOU DIG!**  
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE-STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776

- SEQUENCE**
- LAYOUT THE LIMITS OF THE PROPOSED GRADING, INN CONSTRUCTION, LOOKOUT CONSTRUCTION, AND THE PARKING LOT AREAS AND ESTABLISH BENCHMARKS AND REFERENCE POINTS.
  - STAKE OUT THE LIMITS OF DEMOLITION FOR THE EXISTING ROADWAY AND BUILDINGS.
  - CONSTRUCT THE ROCK CONSTRUCTION ENTRANCE NO. 1 AND 2 IN THE LOCATIONS SHOWN ON THE PLAN AND IN ACCORDANCE WITH THE STANDARD DETAIL.
  - INSTALL THE FILTER SOCKS IN THE LOCATIONS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAIL.
  - DEMOLISH EXISTING BUILDINGS AND EXCAVATE EXISTING PARKING LOT AND ROADWAY ASPHALT PAVEMENT MATERIALS EITHER FOR USE ONSITE OR FOR OFFSITE DISPOSAL. COORDINATE DEMOLITION AND RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE UTILITY COMPANY.
  - CLEAR AND GRUB AREA FOR INN AND LOOKOUT TAKING CARE NOT TO WORK BEYOND THE CONSTRUCTION LIMITS SHOWN ON THE PLAN.
  - REMOVE TOPSOIL FROM THE CONSTRUCTION AREAS AND PLACE IN THE TEMPORARY STOCKPILE AREA DELINEATED ON THE PLAN. THE TOPSOIL STOCKPILE SHALL BE PROTECTED BY SILT FENCE, AS SHOWN ON THE PLANS.
  - ROUGH GRADE PARKING LOTS. PLEASE REFER TO THE STORMWATER MANAGEMENT REPORT AND PLANS FOR DETAILS ON ASSOCIATED PIPES AND STRUCTURES.
  - INSTALL EROSION CONTROL BLANKETS (NORTH AMERICAN GREEN S150BN) ON ALL SLOPES STEEPER THAN 3:1.
  - INSTALL ALL UTILITIES AND STORMWATER SYSTEM, AS NEEDED. PUMP ANY ACCUMULATED WATER FROM TRENCHES TO A GEOTEXTILE FILTER BAG THAT DISCHARGES UPSTREAM OF THE PERIMETER SILT FENCE. ONCE THE BAG IS ONE-HALF FULL OF SEDIMENT, DISPOSE OF BAG AT PADEP-APPROVED FACILITY. ONCE THE STORMWATER INLETS HAVE BEEN CONSTRUCTED, PLACE SILT SACKS IN EACH INLET.
  - CONSTRUCT THE PROPOSED BUILDING, SIDEWALKS, AND OTHER SITE-ASSOCIATED ITEMS.
  - FINAL GRADE THE PROPOSED SITE, ACCESS DRIVE, AND PARKING LOT AREAS.
  - PLACE ASPHALT PAVEMENT IN ACCORDANCE WITH THE STANDARD DETAIL.
  - FINAL GRADE THE OPEN SPACE AREAS TO FINAL CONTOUR. SPREAD TOPSOIL, SEED AND MULCH AND STABILIZE IMMEDIATELY UPON COMPLETION.
  - INSTALL RAIN GARDENS IN THE AREAS AS SHOWN ON PLANS AND IN ACCORDANCE WITH THE STANDARD DETAILS.
  - ONCE A UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES. DISPOSE OF ANY ACCUMULATED SEDIMENT AT A PADEP-APPROVED FACILITY.

- SITE NOTES**
- ALL STORMWATER RUNOFF FOR THIS PROJECT DRAINS TO FOSTER JOSEPH SAYERS LAKE (BALD EAGLE CREEK, BASIN), A COLD WATER FISHERY (CWF) AS CLASSIFIED BY CHAPTER 93 OF THE PENNSYLVANIA CODE
  - THIS SITE HAS BEEN DESIGNED TO BALANCE. NO FILL MATERIAL SHALL BE REMOVED FROM OR BROUGHT TO THIS SITE.

PENNSYLVANIA ACT 38 (1991) REQUIRES NO LESS THAN 3 WORKING DAYS NOTICE NOR MORE THAN 10 WORKING DAYS NOTICE FROM EXCAVATORS WHO ARE ABOUT TO DIG, DRILL, BLAST, AUGER, BORE, GRADE, UNDERCUT OR DEMOLISH ANYTHING IN THE CONSTRUCTION PHASE. FOR LOCATION REQUESTS IN THE STATE OF PENNSYLVANIA, CALL TOLL FREE 1-800-242-1776. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THE LOCATION MUST BE CONSIDERED APPROXIMATE. OTHER UNDERGROUND UTILITIES MAY EXIST WHICH ARE NOT SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN ALL PHYSICAL LOCATIONS OF UTILITY LINES PRIOR TO THE TIME OF CONSTRUCTION. IN NO WAY SHALL THE CONTRACTOR HOLD THE SURVEYOR RESPONSIBLE FOR ANY UTILITY LOCATION SHOWN ON THIS PLAN.

				<b>PROJECT NUMBER</b>	
Civil & Environmental Consultants, Inc.				070-915	
333 Baldwin Road - Pittsburgh, PA 15205-9072					
Ph: 412.429.2324 - 800.365.2324 - Fax: 412.429.2114					
www.cecinc.com					
1	09/08/08	ISSUED FOR ADDENDUM			
NO.	DATE	REVISION			APPR.
SUBMITTED					
PROJECT DESIGNER			PROJECT COORDINATOR		
APPROVED					
CHIEF - DIVISION OF DESIGN					
APPROVED					
DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION					

**AS-BUILT**  
THIS RECORD DRAWING HAS BEEN PREPARED ON INFORMATION PROVIDED BY OTHERS. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
OFFICE OF PARKS AND FORESTRY

**PROJECT NO: FDC-133-4494**

APPLICABLE CONTRACT NO'S.

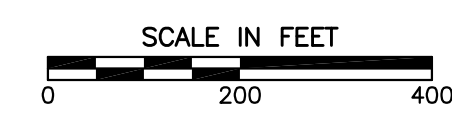
GENERAL: FDC-133-4494.1	PLUMBING:
HVAC:	ELECTRICAL:
ROADWAY:	

**OVERALL EROSION & SEDIMENTATION CONTROL PLAN**

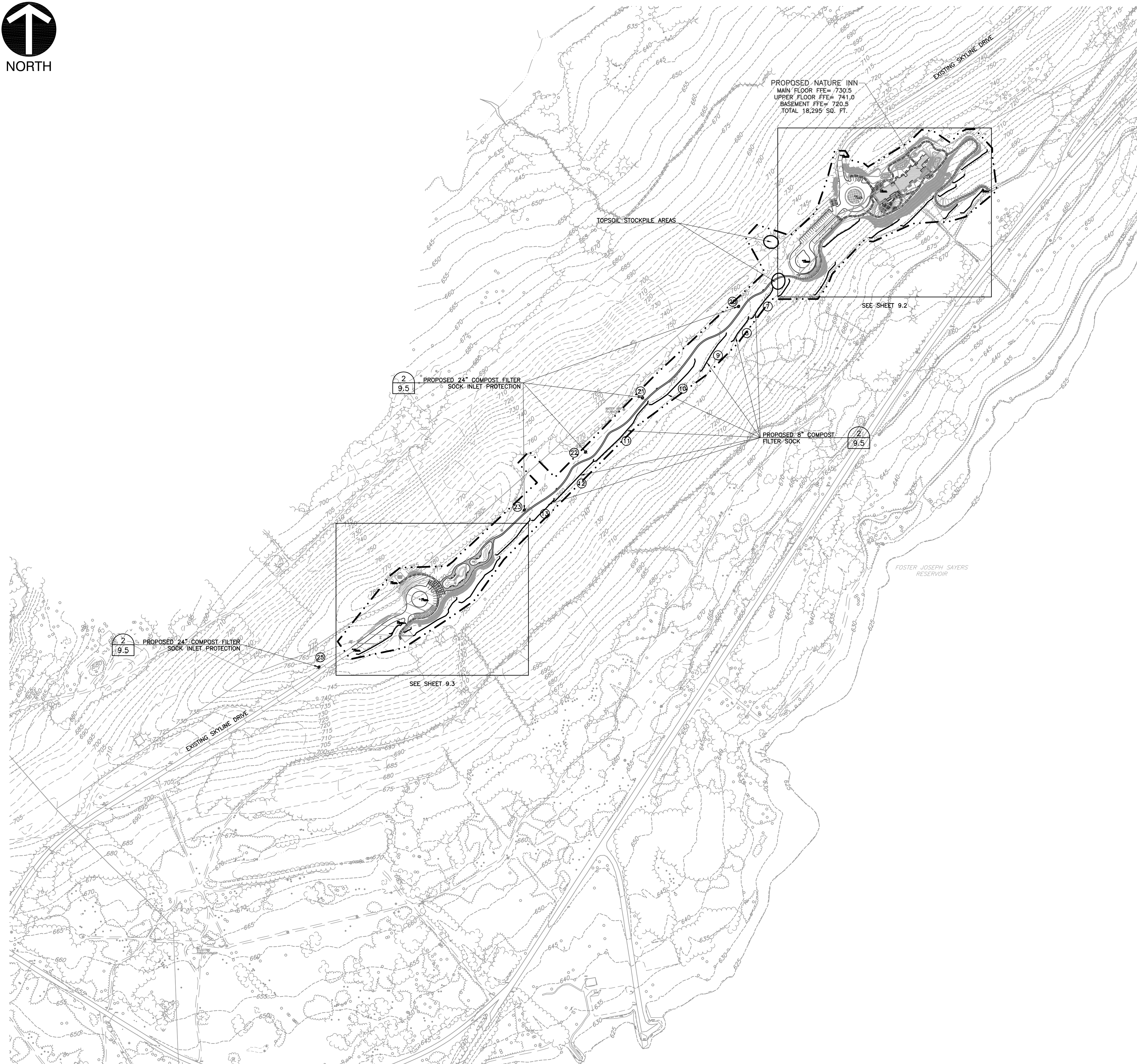
DRAWN BY: TAF	DATE: 09/18/08	DRAWING NO: C9.0
CHECKED BY: MWT	SCALE: 1"=200'	

\* SIGNATURE ON FILE

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**LEGEND**

- 1050 --- EXISTING PROPERTY BOUNDARY
- --- EXISTING CONTOUR
- --- EXISTING GUIDE RAIL
- --- EXISTING FENCE
- --- EXISTING TREE LINE
- --- EXISTING SANITARY SEWER LINE
- --- EXISTING STORM SEWER LINE
- --- EXISTING UNDERGROUND TELEPHONE LINE
- --- EXISTING UNDERGROUND ELECTRIC LINE
- --- EXISTING WATER LINE
- --- EXISTING WATER BOX
- --- EXISTING CATCH BASIN
- --- EXISTING SANITARY MANHOLE
- --- EXISTING UTILITY MANHOLE
- --- EXISTING FIRE HYDRANT
- --- EXISTING SIGN
- --- EXISTING TREE
- WP/S N 317.107, 585.154 E 2,000, 437.186986 WORK POINT NORTHING EASTING
- --- PROPOSED BUILDING
- --- PROPOSED CONCRETE PAD
- --- PROPOSED CONCRETE WALKWAY
- --- PROPOSED REINFORCED TURF PARKING
- --- PROPOSED HIKING TRAIL
- --- PROPOSED BRIDGE
- --- PROPOSED GUIDE RAIL
- --- PROPOSED CENTERLINE
- --- PROPOSED ADA PARKING
- --- PROPOSED SIGN
- --- PROPOSED WHEEL STOP
- --- PROPOSED PARKING COUNT
- --- DETAIL NUMBER SHEET NUMBER
- --- 700 PROPOSED INDEX CONTOUR
- --- 701 PROPOSED INTERMEDIATE CONTOUR
- --- PROPOSED INLET
- --- SB PROPOSED COMPOST FILTER LOGS
- --- PROPOSED NPDES/LOD BOUNDARY

**NOTES**

1. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT IMMEDIATELY.
2. ALL EXISTING ABOVE AND BELOW GROUND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS NOTED OTHERWISE WITHIN THIS CONSTRUCTION SET AND/OR PROJECT SPECIFICATIONS. THIS INCLUDES FOUNDATION SLABS, WALLS AND FOOTINGS. IN ADDITION, ALL EXISTING UTILITY SERVICES TO BUILDINGS SHALL BE DISCONNECTED AND TERMINATED PER EACH UTILITY COMPANY'S REQUIREMENTS.
3. ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT. CONTRACTOR SHALL ALSO CONTACT PENNSYLVANIA ONE CALL SYSTEM, INC. AT 800-242-1776 AND THE APPROPRIATE UTILITY COMPANIES AT LEAST THREE (3) DAYS PRIOR TO THE INITIATION OF EARTH MOVING AND DEMOLITION ACTIVITIES.
4. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE DEPARTMENT FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES OCCURRING IN THE COURSE OF THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
5. PROJECT LIMIT LINE IS DEFINED IN THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. SEE SHEET C9.0-C9.5

**REFERENCES**

1. EXISTING TOPOGRAPHY PREPARED BY NOR EAST MAPPING, INC. JOB# NEM08006 DATE OF PHOTOGRAPHY: JAN 31, 2008 BALDEAGLE.DWG
2. EXISTING SUBSURFACE SANITARY SEWER INFORMATION INTERPRETED FROM DRAWING TITLED SANITARY SEWER REHABILITATION BALD EAGLE STATE PARK PLAN AND DETAIL FROM PROJECT NO. MM 91-6133A DATED SEP 1991
3. EXISTING SUBSURFACE WATER LINE AND ELECTRIC LINE INFORMATION INTERPRETED FROM DRAWING TITLED FOSTER JOSEPH SAYERS RESERVOIR SANITARY SYSTEMS FOR PUBLIC USE FACILITIES BALD EAGLE STATE PARK GENERAL PLAN DATED SEP 1973

**ONE CALL SERIAL NO.: 0925482**

**CALL BEFORE YOU DIG!**  
 PENNSYLVANIA LAW REQUIRES  
 3 WORKING DAYS NOTICE FOR  
 CONSTRUCTION PHASE AND 10 WORKING  
 DAYS IN DESIGN STAGE-STOP CALL  
 PENNSYLVANIA ONE CALL SYSTEM, INC.  
 1-800-242-1776

**SEQUENCE**

1. LAYOUT THE LIMITS OF THE PROPOSED GRADING, INN CONSTRUCTION, LOOKOUT CONSTRUCTION, AND THE PARKING LOT AREAS AND ESTABLISH BENCHMARKS AND REFERENCE POINTS.
2. STAKE OUT THE LIMITS OF DEMOLITION FOR THE EXISTING ROADWAY AND BUILDINGS.
3. CONSTRUCT THE ROCK CONSTRUCTION ENTRANCE NO. 1 AND 2 IN THE LOCATIONS SHOWN ON THE PLAN AND IN ACCORDANCE WITH THE STANDARD DETAIL.
4. INSTALL THE FILTER SOCKS IN THE LOCATIONS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAIL.
5. DEMOLISH EXISTING BUILDINGS AND EXCAVATE EXISTING PARKING LOT AND ROADWAY ASPHALT PAVEMENT MATERIALS EITHER FOR USE ONSITE OR FOR OFFSITE DISPOSAL. COORDINATE DEMOLITION AND RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE UTILITY COMPANY.
6. CLEAR AND GRUB AREA FOR INN AND LOOKOUT TAKING CARE NOT TO WORK BEYOND THE CONSTRUCTION LIMITS SHOWN ON THE PLAN.
7. REMOVE TOPSOIL FROM THE CONSTRUCTION AREAS AND PLACE IN THE TEMPORARY STOCKPILE AREA DELINEATED ON THE PLAN. THE TOPSOIL STOCKPILE SHALL BE PROTECTED BY SILT FENCE, AS SHOWN ON THE PLANS.
8. ROUGH GRADE PARKING LOTS. PLEASE REFER TO THE STORMWATER MANAGEMENT REPORT AND PLANS FOR DETAILS ON ASSOCIATED PIPES AND STRUCTURES.
9. INSTALL EROSION CONTROL BLANKETS (NORTH AMERICAN GREEN S150BN) ON ALL SLOPES STEEPER THAN 3:1.
10. INSTALL ALL UTILITIES AND STORMWATER SYSTEM, AS NEEDED. PUMP ANY ACCUMULATED WATER FROM TRENCHES TO A GEOTEXTILE FILTER BAG THAT DISCHARGES UPSTREAM OF THE PERIMETER SILT FENCE. ONCE THE BAG IS ONE-HALF FULL OF SEDIMENT, DISPOSE OF BAG AT PADEP-APPROVED FACILITY. ONCE THE STORMWATER INLETS HAVE BEEN CONSTRUCTED, PLACE SILT SACKS IN EACH INLET.
11. CONSTRUCT THE PROPOSED BUILDING, SIDEWALKS, AND OTHER SITE-ASSOCIATED ITEMS.
12. FINAL GRADE THE PROPOSED SITE, ACCESS DRIVE, AND PARKING LOT AREAS.
13. PLACE ASPHALT PAVEMENT IN ACCORDANCE WITH THE STANDARD DETAIL.
14. FINAL GRADE THE OPEN SPACE AREAS TO FINAL CONTOUR. SPREAD TOPSOIL, SEED AND MULCH AND STABILIZE IMMEDIATELY UPON COMPLETION.
15. INSTALL RAIN GARDENS IN THE AREAS AS SHOWN ON PLANS AND IN ACCORDANCE WITH THE STANDARD DETAILS.
16. ONCE A UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES. DISPOSE OF ANY ACCUMULATED SEDIMENT AT A PADEP-APPROVED FACILITY.

**SITE NOTES**

1. ALL STORMWATER RUNOFF FOR THIS PROJECT DRAINS TO FOSTER JOSEPH SAYERS LAKE (BALD EAGLE CREEK, BASIN), A COLD WATER FISHERY (CWF) AS CLASSIFIED BY CHAPTER 93 OF THE PENNSYLVANIA CODE
2. THIS SITE HAS BEEN DESIGNED TO BALANCE. NO FILL MATERIAL SHALL BE REMOVED FROM OR BROUGHT TO THIS SITE.

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<b>CEC</b> Civil & Environmental Consultants, Inc. 333 Baldwin Road - Pittsburgh, PA 15205-9072 Ph: 412.429.2324 • 800.365.2324 • Fax: 412.429.2114 www.cecinc.com				<b>PROJECT NUMBER</b> 070-915
1	09/08/08	ISSUED FOR ADDENDUM		
NO.	DATE	REVISION	APPR.	
SUBMITTED				
PROJECT DESIGNER		PROJECT COORDINATOR		
APPROVED				
CHIEF - DIVISION OF DESIGN				
APPROVED				
DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION				

**AS-BUILT**  
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COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
 OFFICE OF PARKS AND FORESTRY

**PROJECT NO: FDC-133-4494**

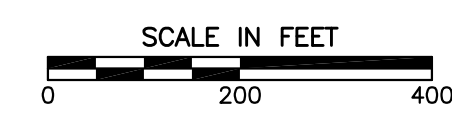
APPLICABLE CONTRACT NO'S.

GENERAL: FDC-133-4494.1	PLUMBING:
HVAC:	ELECTRICAL:
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK  
 HOWARD AND LIBERTY TOWNSHIP,  
 CENTRE COUNTY, PENNSYLVANIA

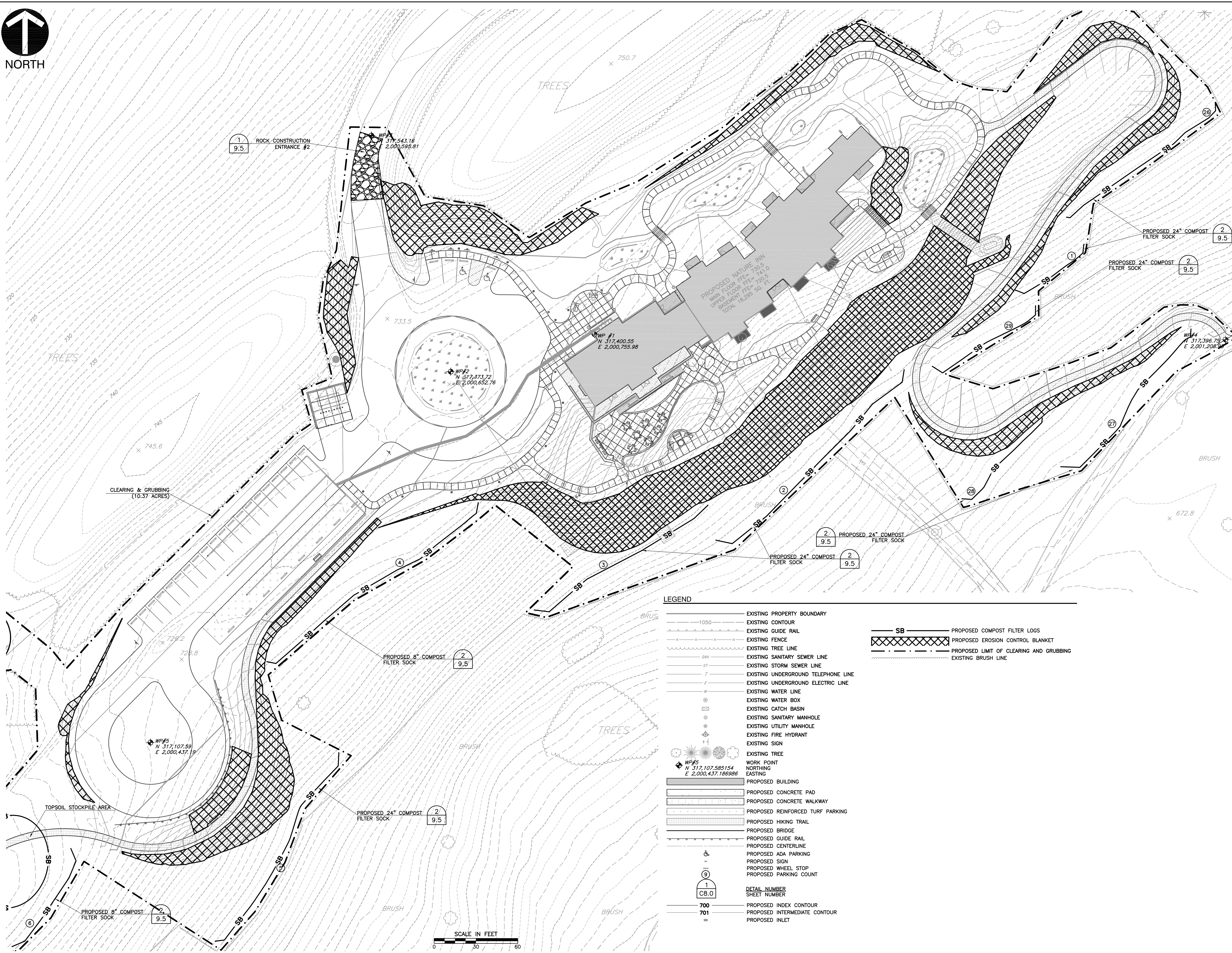
OVERALL EROSION & SEDIMENTATION  
 CONTROL PLAN

DRAWN BY: TAF	DATE: 09/18/08	DRAWING NO: C9.1
CHECKED BY: MWT	SCALE: 1"=200'	



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**NOTES**

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- ALL EXISTING ABOVE AND BELOW GROUND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS NOTED OTHERWISE WITHIN THIS CONSTRUCTION SET AND/OR PROJECT SPECIFICATIONS. THIS INCLUDES FOUNDATION SLABS, WALLS AND FOOTINGS. IN ADDITION, ALL EXISTING UTILITY SERVICES TO BUILDINGS SHALL BE DISCONNECTED AND TERMINATED PER EACH UTILITY COMPANY'S REQUIREMENTS.
- ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT. CONTRACTOR SHALL ALSO CONTACT PENNSYLVANIA ONE CALL SYSTEM, INC. AT 800-242-1776 AND THE APPROPRIATE UTILITY COMPANIES AT LEAST THREE (3) DAYS PRIOR TO THE INITIATION OF EARTH MOVING AND DEMOLITION ACTIVITIES.
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- PROJECT LIMIT LINE IS DEFINED IN THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. SEE SHEET C9.0-C9.5

**REFERENCES**

- EXISTING TOPOGRAPHY PREPARED BY NOR EAST MAPPING, INC. JOB# NEM08006 DATE OF PHOTOGRAPHY: JAN 31, 2008 BALDEAGLE.DWG
- EXISTING SUBSURFACE SANITARY SEWER INFORMATION INTERPRETED FROM DRAWING TITLED SANITARY SEWER REHABILITATION BALD EAGLE STATE PARK PLAN AND DETAIL FROM PROJECT NO. MM 91-6133A DATED SEP 1991
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**ONE CALL SERIAL NO.: 0925482**

**CALL BEFORE YOU DIG!**  
 PENNSYLVANIA LAW REQUIRES  
 3 WORKING DAYS NOTICE FOR  
 CONSTRUCTION PHASE AND 10 WORKING  
 DAYS IN DESIGN STAGE-STOP CALL  
 PENNSYLVANIA ONE CALL SYSTEM, INC.  
 1-800-242-1776

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**PROJECT NUMBER**  
070-915

NO.	DATE	REVISION	APPR.
1	09/08/08	ISSUED FOR ADDENDUM	
SUBMITTED			
PROJECT DESIGNER		PROJECT COORDINATOR	
APPROVED			
CHIEF - DIVISION OF DESIGN			
APPROVED			
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COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
 OFFICE OF PARKS AND FORESTRY

**PROJECT NO: FDC-133-4494**

APPLICABLE CONTRACT NO'S.

GENERAL: FDC-133-4494.1	PLUMBING:
HVAC:	ELECTRICAL:
ROADWAY:	

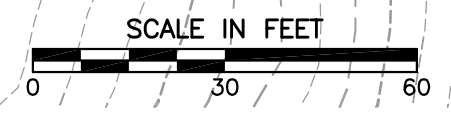
THE INN AT BALD EAGLE STATE PARK  
 HOWARD AND LIBERTY TOWNSHIP,  
 CENTRE COUNTY, PENNSYLVANIA

**ENLARGED EROSION AND SEDIMENTATION CONTROL PLAN**

DRAWN BY: TAF	DATE: 09/18/08	DRAWING NO: C9.2
CHECKED BY: MWT	SCALE: 1"=30'	

**LEGEND**

- 1050 — EXISTING PROPERTY BOUNDARY
- — — EXISTING CONTOUR
- — — EXISTING GUIDE RAIL
- — — EXISTING FENCE
- — — EXISTING TREE LINE
- — — EXISTING SANITARY SEWER LINE
- — — EXISTING STORM SEWER LINE
- — — EXISTING UNDERGROUND TELEPHONE LINE
- — — EXISTING UNDERGROUND ELECTRIC LINE
- — — EXISTING WATER LINE
- — — EXISTING WATER BOX
- — — EXISTING CATCH BASIN
- — — EXISTING SANITARY MANHOLE
- — — EXISTING UTILITY MANHOLE
- — — EXISTING FIRE HYDRANT
- — — EXISTING SIGN
- — — EXISTING TREE
- — — WP#5 N 317,107,595.154 E 2,000,437,136.986 WORK POINT NORTHING EASTING
- — — PROPOSED BUILDING
- — — PROPOSED CONCRETE PAD
- — — PROPOSED CONCRETE WALKWAY
- — — PROPOSED REINFORCED TURF PARKING
- — — PROPOSED HIKING TRAIL
- — — PROPOSED BRIDGE
- — — PROPOSED GUIDE RAIL
- — — PROPOSED CENTERLINE
- — — PROPOSED ADA PARKING
- — — PROPOSED SIGN
- — — PROPOSED WHEEL STOP
- — — PROPOSED PARKING COUNT
- — — 1 C8.0 DETAIL NUMBER SHEET NUMBER
- — — 700 PROPOSED INDEX CONTOUR
- — — 701 PROPOSED INTERMEDIATE CONTOUR
- — — PROPOSED INLET
- — — SB PROPOSED COMPOST FILTER LOGS
- — — PROPOSED EROSION CONTROL BLANKET
- — — PROPOSED LIMIT OF CLEARING AND GRUBBING
- — — EXISTING BRUSH LINE



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**LEGEND**

	EXISTING PROPERTY BOUNDARY
	EXISTING CONTOUR
	EXISTING GUIDE RAIL
	EXISTING FENCE
	EXISTING TREE LINE
	EXISTING SANITARY SEWER LINE
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	NORTHING
	EASTING
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	PROPOSED CONCRETE PAD
	PROPOSED CONCRETE WALKWAY
	PROPOSED REINFORCED TURF PARKING
	PROPOSED HIKING TRAIL
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	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED INLET
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- NOTES**
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- REFERENCES**
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**ONE CALL SERIAL NO.: 0925482**

**CALL BEFORE YOU DIG!**  
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**PROJECT NUMBER 070-915**

NO.	DATE	REVISION	APPR.
1	09/08/08	ISSUED FOR ADDENDUM	

SUBMITTED \_\_\_\_\_

PROJECT DESIGNER \_\_\_\_\_ PROJECT COORDINATOR \_\_\_\_\_

APPROVED \_\_\_\_\_

CHIEF - DIVISION OF DESIGN \_\_\_\_\_

APPROVED \_\_\_\_\_

DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION \_\_\_\_\_

**AS-BUILT**

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COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
OFFICE OF PARKS AND FORESTRY

**PROJECT NO: FDC-133-4494**

APPLICABLE CONTRACT NO'S.

GENERAL: FDC-133-4494.1	PLUMBING:
HVAC:	ELECTRICAL:
ROADWAY:	

**THE INN AT BALD EAGLE STATE PARK**  
HOWARD AND LIBERTY TOWNSHIP,  
CENTRE COUNTY, PENNSYLVANIA

**ENLARGED EROSION & SEDIMENTATION CONTROL PLAN**

DRAWN BY: TAF	DATE: 09/18/08	DRAWING NO: C9.3
CHECKED BY: MWT	SCALE: 1"=30'	



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GENERAL EROSION CONTROL NOTES:

- 1. THE LOCATION OF EXISTING UTILITIES AND UNDERGROUND STRUCTURES SHOWN ARE APPROXIMATE AND THOSE SHOWN ARE NOT NECESSARILY ALL THE EXISTING UTILITIES AND STRUCTURES...
- 2. THE CONTRACTOR SHALL CONTACT PENNSYLVANIA ONE CALL SYSTEM INC. AT (800) 242-1776 AND THE APPROPRIATE UTILITY COMPANIES AT LEAST THREE (3) DAYS PRIOR TO THE INITIATION OF EARTHMOVING AND DEMOLITION ACTIVITIES.
- 3. ANY CHANGES TO THE SOIL EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE APPROVED BY THE ENGINEER AT CENTRE COUNTY CONSERVATION DISTRICT (CCCD), THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENTATION CONTROL STANDARDS.
- 4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL PREPARED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP), BUREAU OF SOIL AND WATER CONSERVATION, LATEST EDITION.
- 5. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY BY THE CCCD OR THE OWNER IN THE EVENT OF ANY UNFORESEEN PROBLEMS ARISE DURING CONSTRUCTION.
- 6. THE CONTRACTOR SHALL INSTALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO ANY SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE AND MAINTAIN THEM UNTIL PERMANENT STABILIZATION IS ESTABLISHED.
- 7. THE AGGREGATE BASE COURSE SHALL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRAING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE ROADS AND PARKING AREAS.
- 8. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES TO BE REMOVED, RELOCATED AND/OR RAZED ARE DISCONNECTED PRIOR TO INITIATING EARTHMOVING ACTIVITIES.
- 9. THE CONTRACTOR SHALL LANDSCAPE OR VEGETATE DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 14 DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, STRAW MULCH SHALL BE APPLIED AT A RATE OF THREE (3) TONS PER ACRE OVERTOP EXPOSED AREAS.
- 10. CLEARED AND GRUBBED MATERIAL SHALL BE DISPOSED OF AT AN APPROVED WASTE SITE. BURNING SHALL NOT BE PERMITTED.
- 11. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED BY THE CONTRACTOR TO MAKE IT SUITABLE TO SUPPORT VEGETATIVE GROUND COVER.
- 12. THE CONTRACTOR SHALL VEGETATE ALL EXPOSED AREAS THAT WILL NOT BE LANDSCAPED WITHIN TEN (10) DAYS AFTER FINAL GRAING.
- 13. THE CONTRACTOR SHALL CONTROL DUST WITH WATER OR OTHER METHODS APPROVED BY THE LOCAL SOIL CONSERVATION DISTRICT AND THE OWNER.
- 14. THE CONTRACTOR SHALL INSTALL 18" SILT FENCE ALONG THE PERIMETER OF ALL SOIL STOCKPILES.
- 15. THE CONTRACTOR SHALL INSTALL EROSION CONTROL BLANKETS OVERTOP OF SLOPES STEEPER THAN 3:1 (HORIZONTAL:VERTICAL). EROSION CONTROL BLANKETS SHALL BE NORTH AMERICAN GREEN S150BN OR APPROVED EQUAL.
- 16. THE CONTRACTOR SHALL SUBMIT A PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN TO THE OWNER PRIOR TO CONSTRUCTION OF CHEMICALS, SOLVENTS OR OTHER HAZARDOUS WASTES OR MATERIALS WITH THE POTENTIAL TO CAUSE ACCIDENTAL POLLUTION DURING EARTHMOVING OR OTHER CONSTRUCTION ACTIVITIES ARE STORED OR USED ON SITE. THE PPC PLAN SHALL BE PREPARED IN ACCORDANCE WITH "GUIDELINES FOR THE DEVELOPMENT AND IMPLEMENTATION OF PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLANS", PREPARED BY PADEP BUREAU OF SOLID WASTE MANAGEMENT AND PADEP BUREAU OF WATER QUALITY MANAGEMENT.
- 17. THE CONTRACTOR SHALL CONSTRUCT A BERM AROUND AREAS WHERE HYDRAULIC FLUID AND DIESEL FUEL WILL BE STORED DURING CONSTRUCTION TO SERVE AS CONTAINMENT AREA FOR THE CONTAINMENT AREA. ANY SOIL SPILLS FROM THE CONTAINMENT AREA SHALL BE IMMEDIATELY CLEANED. TELEPHONE NUMBERS OF EMERGENCY RESPONSE TEAMS ARE TO BE KEPT ON SITE, AND THEY ARE TO BE NOTIFIED IN THE CASE OF A SPILL.
- 18. THE CONTRACTOR SHALL PROVIDE THE LOCATION AND ANY APPLICABLE PERMIT NUMBERS OF ALL THE OFF SITE DISPOSAL AND BORROW SITES THAT WILL BE UTILIZED DURING CONSTRUCTION TO THE CCCD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL ALSO IDENTIFY THE EROSION AND SEDIMENTATION CONTROL MEASURES, WHICH WILL BE IMPLEMENTED AT THE OFF SITE DISPOSAL AND/OR BORROW SITES. IF THE DISPOSAL/BORROW SITES ARE UNPERMITTED, AN EROSION AND SEDIMENTATION CONTROL PLAN MUST BE APPROVED BY THE LOCAL PRIOR TO THEIR USE.
- 19. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATIONS.
- 20. CONTRACTOR SHALL REFRAIN FROM MASS CLEARING OF AREAS WHERE CONSTRUCTION ACTIVITY IS NOT IMMEDIATELY PLANNED.
- 21. THE CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

TEMPORARY CONTROL MEASURES

THE E&S CONTROL FACILITIES PROPOSED FOR THIS PROJECT ARE SHOWN ON THE E&S CONTROL PLAN. CONTROL MEASURES SHOWN ON THIS PLAN ARE MINIMUM CONTROLS TO PROTECT OFFSITE AREAS FROM SEDIMENT-LADEN RUNOFF. ADDITIONAL CONTROLS MAY BE REQUIRED DEPENDING ON THE PROGRESS OF CONSTRUCTION AND VARYING CONDITIONS ENCOUNTERED.

A ROCK CONSTRUCTION ENTRANCE

ROCK CONSTRUCTION ENTRANCES WILL BE PROVIDED AT THE LOCATIONS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAIL.

INSTALLATION: THE ROCK CONSTRUCTION ENTRANCE SHALL CONSIST OF AN 8-INCH THICK LAYER (MINIMUM) OF AASHTO #1 STONE UNDERLAIN BY A PENN DOT CLASS 4 GEOTEXTILE.

MAINTENANCE: ADDITIONAL STONE MAY HAVE TO BE ADDED PERIODICALLY TO MAINTAIN THE PROPER FUNCTIONING OF THE PAD. IF THE CRUSHED STONE DOES NOT ADEQUATELY REMOVE THE MUD FROM VEHICLE TIRES, THE TIRES SHOULD BE HOSED OFF BEFORE THE VEHICLE ENTERS A PUBLIC STREET. THE WASHING SHOULD BE DONE ON AN AREA COVERED WITH CRUSHED STONE, AND THE WASH WATER SHOULD DRAIN TO A SEDIMENT CONTROL DEVICE. ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS SHALL BE REMOVED IMMEDIATELY.

B SEDIMENT FILTER LOGS

INSTALLATION: SEDIMENT FILTER LOGS SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD DETAIL IN THE LOCATIONS SHOWN ON THE E&S CONTROL PLAN. THE SEDIMENT FILTER LOG WILL TREAT SEDIMENT-LADEN RUNOFF DISCHARGING FROM THE GRADING OPERATIONS.

MAINTENANCE: SEDIMENT FILTER LOGS SHOULD BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SECTIONS SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE MANUFACTURER. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH ONE-HALF OF THE HEIGHT OF THE FILTERS.

C TEMPORARY VEGETATIVE STABILIZATION

INSTALLATION: FERTILIZING, SEEDING, AND MULCHING WILL BE USED AS A TEMPORARY E&S CONTROL MEASURE ON ALL NON-PAVED DISTURBED AREAS. EXPOSED SOILS, NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL NOT REMAIN UNSEEDED OR UNCOVERED BY MULCH FOR MORE THAN 20 DAYS, INCLUDING STOCKPILED SOIL MATERIALS. WITH REGARD TO THE TEMPORARY SEED MIX, REFER TO THE SEEDING MIXTURE TABLE PROVIDED ON THE E&S CONTROL PLAN DETAIL SHEET. UNLESS THE OWNER'S REPRESENTATIVE DIRECTS OTHERWISE, VEGETATION SHALL BE ESTABLISHED AS SHOWN ON THE SEEDING NOTES ON THIS SHEET.

D TOPSOIL STOCKPILE AREA

INSTALLATION: THERE WILL BE A DESIGNATED TOPSOIL STOCKPILE LOCATED ON THE PROPERTY. THE LOCATION SHALL BE AS SHOWN ON THE E&S SITE PLANS AND ALL EXCESS SOIL FROM THE SITE SHALL BE STOCKPILED THERE. THE STOCKPILE WILL BE SURROUNDED WITH SILT FENCE TO PREVENT SEDIMENT-LADEN RUNOFF.

E EROSION CONTROL BLANKET

THE NORTH AMERICAN GREEN S150BN EROSION CONTROL BLANKET OR APPROVED EQUAL SHALL BE INSTALLED ON ALL SLOPES STEEPER THAN 3:1.

INSTALLATION:

- 1. INSTALL NORTH AMERICAN GREEN S150BN EROSION CONTROL BLANKETS IN 10-FOOT VERTICAL INCREMENTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 2. USE STAPLE PATTERN D FOR ALL BLANKET INSTALLATIONS AS PER THE MANUFACTURER'S RECOMMENDATIONS.

MAINTENANCE: ALL DAMAGED SECTIONS OF THE EROSION CONTROL BLANKET SHALL BE REPLACED.

F CONSTRUCTION WASTE RECYCLE/DISPOSAL

CONSTRUCTION WASTES ARE REFUSE MATERIALS GENERATED DURING THE COURSE OF CONSTRUCTION AND INCLUDE, BUT ARE NOT LIMITED TO, PAPER, PLASTIC, WOOD, FOOD, TEXTILE, AND METAL PRODUCTS.

INSTALLATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING WASTE RECYCLING/DISPOSAL AREAS ON THE E&S CONTROL PLAN ONCE THEY HAVE BEEN DETERMINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL WASTE RECYCLING/DISPOSAL PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

MAINTENANCE: ALL CONSTRUCTION WASTE SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF AT A STATE-APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS. THE BURNING OF WASTE MATERIALS SHALL NOT BE PERMITTED.

PERMANENT CONTROL MEASURES

A. PERMANENT VEGETATIVE STABILIZATION

INSTALLATION: FERTILIZING, SEEDING, AND MULCHING WILL BE USED AS A PERMANENT E&S CONTROL MEASURE ON ALL NON-PAVED DISTURBED AREAS. EXPOSED SOILS, NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL NOT REMAIN UNSEEDED OR UNCOVERED BY MULCH FOR MORE THAN 20 DAYS, INCLUDING STOCKPILED SOIL MATERIALS. WITH REGARD TO THE TEMPORARY/PERMANENT SEED MIXES, REFER TO THE SEEDING MIXTURE TABLES PROVIDED. UNLESS THE OWNER'S REPRESENTATIVE DIRECTS OTHERWISE, VEGETATION SHALL BE ESTABLISHED AS SHOWN ON THE SEEDING NOTES ON THIS SHEET.

TEMPORARY/PERMANENT VEGETATIVE STABILIZATION

INSTALLATION: FERTILIZING, SEEDING, AND MULCHING WILL BE USED AS A TEMPORARY/PERMANENT E&S CONTROL MEASURE ON ALL NON-PAVED DISTURBED AREAS. EXPOSED SOILS, NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL NOT REMAIN UNSEEDED OR UNCOVERED BY MULCH FOR MORE THAN 20 DAYS, INCLUDING STOCKPILED SOIL MATERIALS. WITH REGARD TO THE TEMPORARY/PERMANENT SEED MIXES, REFER TO THE SEEDING MIXTURE TABLES PROVIDED. UNLESS THE OWNER'S REPRESENTATIVE DIRECTS OTHERWISE, VEGETATION SHALL BE ESTABLISHED AS SHOWN ON THE SEEDING NOTES ON THIS SHEET.

- 1. SOIL PLACEMENT: SOIL SHALL BE PLACED TO THE DESIGN THICKNESS AND GRADE AND TRACKED AND ROLLED INTO PLACE IN A MANNER THAT WILL NOT CAUSE EXCESSIVE COMPACTION. IF SOIL DENSITY IS VERIFIED IN THE FIELD, SOIL SHALL BE COMPACTED TO A DRY DENSITY BETWEEN 75 AND 100 POUNDS PER CUBIC FOOT, AFTER CORRECTION TO ZERO PERCENT COARSE FRAGMENT (PARTICLES LARGER THAN 2 MILLIMETERS) CONTENT.
- 2. SOIL TESTING AND SOIL AMENDMENT (LIME AND FERTILIZER) RATES: UNLESS SOIL TEST RESULTS AND RECOMMENDATIONS FROM THE STATE AGRICULTURAL EXTENSION SERVICE LABORATORY (PENN STATE AGRICULTURAL ANALYTICAL SERVICES LABORATORY [814-863-0841] OR EQUIVALENT SOIL TESTING LABORATORY) INDICATE OTHERWISE, EVENLY APPLY: 1) AGRICULTURAL GRADE GROUND LIMESTONE AT A RATE OF 6 TONS PER ACRE (CALCIUM CARBONATE EQUIVALENT BASIS); 2) FERTILIZERS TO SUPPLY 100-200 POUNDS PER ACRE N-P205-K20 (EXAMPLE: 10-20-20 FERTILIZER AT A RATE OF 100 POUNDS PER ACRE); AND, 3) "BIOPAK" MICROBIAL SOIL INOCULANT (DISTRIBUTED BY PLANT HEALTH CARE, INC. [WWW.PLANTHEALTHCARE.COM OR 800-421-9051]). IF APPROVED PASTEURIZED PELLETIZED POULTRY MANURE (PASTEURIZED PPM) WITH AN ANALYSIS OF AT LEAST 4-2-3 (PERCENT N-P205-K20) IS USED, IT WILL BE ASSUMED THAT ONE TON MANURE WILL SUBSTITUTE FOR 60-40-60 POUNDS N-P205-K20 AVAILABLE IN THE FIRST YEAR. A PRE-APPROVED SOURCE OF PASTEURIZED PPM IS "MICRO-START60" AS MANUFACTURED BY PERDUE AGRICYCLE, LLC (WWW.MICROSTART60.COM <HTTP://WWW.MICROSTART60.COM> OR 302-628-2360).
- 3. SOIL AMENDMENT INCORPORATION: PROMPTLY TILL UNDER THE LIME AND FERTILIZER TO A DEPTH OF 2 TO 4 INCHES USING A DISK, HARROW, PLOW, ROTOTILLER OR OTHER SUITABLE EQUIPMENT. IF LIME REQUIREMENTS ARE LESS THAN 4 TONS PER ACRE OR SLOPES ARE TOO STEEP TO PERMIT SAFE TILLAGE, THE SOIL AMENDMENTS CAN BE MIXED INTO A HYDROMULCH SLURRY OR CAN BE TRACKED IN WITH A DOZER IN LIEU OF INCORPORATION. IF TRACKING THE SITE WITH A DOZER, TRACK IN A MANNER THAT LEAVES CLEAT MARKS PARALLEL TO SITE CONTOURS.
- 4. TEMPORARY SEEDING THAT WILL NOT BE FOLLOWED BY PERMANENT SEEDING, SUCH AS TOPSOIL STOCKPILES OR INTERIM GRADING PATTERNS, DO NOT REQUIRE THE APPLICATION OF SLOW RELEASE FERTILIZER OR "BIOPAK" INOCULANT.
- 5. SEEDBED PREPARATION: JUST BEFORE SEEDING, PREPARE SEEDBED BY TRACKING, RAKING, OR OTHER APPROPRIATE METHOD AS NECESSARY TO BREAK UP SOIL CRUSTS. IF TRACKING THE SITE WITH A DOZER, TRACK IN A MANNER THAT LEAVES CLEAT MARKS PARALLEL TO SITE CONTOURS.
- 6. SEEDING: EVENLY APPLY THE TEMPORARY/PERMANENT SEED MIXTURES USING HYDROSEEDING, BROADCAST, OR DRILL SEEDING METHODS THAT PLANT SEED LESS THAN 1/4-INCH BELOW THE GROUND SURFACE. APPLY LEGUME SEED INOCULANTS SPECIFICALLY MADE FOR THE LEGUME SEED TYPE BEING APPLIED AT FIVE TIMES THE MANUFACTURER'S RECOMMENDED RATE. USE NO SEED OR INOCULANT THAT HAS BEEN IMPROPERLY STORED, EXPIRED, OR SEED OLDER THAN 9 MONTHS FROM THE SEED TEST DATE. IF HYDROSEEDING METHODS ARE USED SEED, INOCULANTS, FERTILIZERS, AND POLYMER TACKIFIER/SOIL STABILIZER (BELOW) MAY BE APPLIED IN ONE APPLICATION, PROVIDED THAT SEED AND INOCULANTS ARE NOT HELD IN A SLURRY WITH FERTILIZERS FOR MORE THAN ONE HOUR.
- 7. MULCHING AND TACKING: PROMPTLY AFTER SEEDING, MULCH USING EITHER: 1) "CURLX" OR EQUIVALENT BRAND OF WOOD EXCELSIOR EROSION CONTROL BLANKET; 2) SYNTHETIC INDUSTRIES TRM 450" OR NORTH AMERICAN GREEN "P-300" TURF REINFORCEMENT MAT; 3) STRAW APPLIED AT A RATE OF 6000 POUNDS PER ACRE, OR 4) WOOD/CELLULOSE FIBER HYDROMULCH APPLIED WITH A HYDROSEEDER AT A RATE OF 3000 POUNDS PER ACRE. WOOD/CELLULOSE FIBER HYDROMULCH MUST CONTAIN AT LEAST 50% VIRGIN WOOD FIBER. IF AT LEAST 1000 POUNDS PER ACRE APPROVED PASTEURIZED PPM IS BEING APPLIED WITH A HYDROSEDER, WOOD/CELLULOSE FIBER HYDROMULCH RATES MAY BE REDUCED TO 2500 POUNDS PER ACRE.

IN SOME LOCATIONS SHOWN ON THE DRAWINGS, SUCH AS SLOPES STEEPER THAN 3:1 (H:V), EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT (TRM) MAY BE THE ONLY PERMISSIBLE MULCHING OPTION. INSTALL EROSION CONTROL BLANKETS/TRM PER MANUFACTURER'S INSTRUCTIONS. STAPLE BLANKET/TRM IN PLACE USING 6-INCH (MINIMUM) SOD STAPLES IN ROWS AT THE EDGES AND CENTERLINE OF THE BLANKET AND ON 24-INCH OR CLOSER CENTERS.

TACK STRAW IN PLACE USING EITHER: 1) A CRIMPER DISK, 2) WOOD/CELLULOSE FIBER HYDROMULCH APPLIED OVER THE STRAW AT A RATE OF 800-1000 POUNDS PER ACRE, OR, 3) WATER SOLUBLE LINEAR POLYACRYLATE (SODIUM ACRYLATE/ACRYLAMIDE) COPOLYMER "POLYMER" AT A RATE OF AT LEAST 8 POUNDS PER ACRE APPLIED IN MIXTURE WITH WATER OVER THE STRAW. APPROVED POLYMER BRANDS INCLUDE "WATERSORB TM PAM" OR "HYDROPAINT", DISTRIBUTED BY POLYMERS, INC. (WWW.WATERSORB.COM OR 501-623-9995), "TERRAPAM TM", DISTRIBUTED BY PLANT HEALTH CARE, INC. (WWW.PLANTHEALTHCARE.COM OR 800-421-9051), AND "HYDROGEL BTM", DISTRIBUTED BY FINN CORPORATION (WWW.FINNCORP.COM OR 800-543-7166).

TACK WOOD/CELLULOSE FIBER HYDROMULCH IN PLACE USING "POLYMER" SPECIFIED ABOVE AT A RATE OF AT LEAST 4 POUNDS PER ACRE APPLIED IN A SLURRY WITH THE HYDROMULCH.

- 8. OVER-SEEDING AND RE-SEEDING: WHEN THE SITE DEVELOPMENT STAGING OR SEASON WILL NOT PERMIT TIMELY SOWING OF THE PERMANENT SEED MIXTURE(S), PREPARE SOILS (FERTILIZERS AND LIME) AS FOR PERMANENT SEEDING, THEN SEED WITH TEMPORARY SEED MIXTURE AND MULCH, THEN OVERSOW THE PERENNIAL SEED MIXTURE INTO THE STUBBLE OF TEMPORARY VEGETATION AT THE NEXT APPROPRIATE SEEDING SEASON.

IF PERENNIAL SEED IS BEING SOWN INTO THE STUBBLE OF ACTIVELY GROWING TEMPORARY VEGETATION, MOW THE TEMPORARY VEGETATION TO REDUCE COMPETITION EITHER BEFORE OR IMMEDIATELY AFTER SOWING THE PERMANENT SEED.

MAINTENANCE: WATER AS NECESSARY TO ESTABLISH AND MAINTAIN VEGETATION. IN MOWED AREAS, MOW TO MAINTAIN GRASS HEIGHT BETWEEN 4 AND 6 INCHES TALL FOR FIRST TWO MONTHS OF GROWTH DURING THE ESTABLISHMENT YEAR, AND TO THE DESIRED HEIGHT THEREAFTER. IF STRING TRIMMERS ARE USED, TAKE MEASURES TO AVOID DAMAGE TO BARK OF TREES AND SHRUBS.

MAINTENANCE PROGRAM

- 1. ALL E&S CONTROLS SHALL BE MAINTAINED IN GOOD WORKING ORDER (CLEANED, REPAIRED, ETC.) UNTIL ALL DISTURBED TRIBUTARY AREAS ARE STABILIZED. ALL TEMPORARY E&S CONTROLS WILL REMAIN IN PLACE UNTIL A UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
- 2. ALL TEMPORARY RUNOFF E&S CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT TO MAINTAIN THEIR EFFECTIVENESS. ANY DAMAGED CONTROLS SHALL BE REPAIRED OR REPLACED BY THE END OF THE WORKING DAY.
- 3. ADDITIONAL STONE SHALL BE ADDED TO THE ROCK CONSTRUCTION ENTRANCES AS NEEDED TO MAINTAIN THEIR THICKNESS. THE CONTRACTOR IS TO PROVIDE A WATER SOURCE AT ALL TIMES TO WASH THE TRUCK TIRES. ALL SITE ENTRANCE AND EXIT POINTS SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE TRACKING OF MUD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAN STREETS OF MUD AND KEEP THE STREETS IN A CLEAN AND DUST-FREE CONDITION. ALL SEDIMENT SHALL BE REMOVED IMMEDIATELY.
- 4. SILT FENCE ACCUMULATED SEDIMENTS SHALL BE REMOVED, AS REQUIRED, IN ALL CASES WHERE ACCUMULATIONS HAVE REACHED HALF THE ABOVEGROUND HEIGHT OF THE FENCE.
- 5. ALL SLOPES SHALL BE CHECKED FOR SIGNS OF EROSION AND/OR SEDIMENTATION.
- 6. ALL DISCHARGE LOCATIONS SHALL BE INSPECTED TO ASCERTAIN THE EFFECTIVENESS OF THE CONTROLS. ADDITIONAL CONTROL MEASURES SHALL BE IMPLEMENTED AS NEEDED.
- 7. SEDIMENT REMOVED FROM THE EROSION CONTROL DEVICES SHALL BE DISPOSED OF BY SPREADING IT ONSITE.
- 8. SEEDED AND VEGETATED AREAS SHALL BE CHECKED REGULARLY TO INSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE FERTILIZED AND RESEEDED AS NECESSARY.
- 9. THE CONTRACTOR SHALL MAINTAIN RECORDS OF ALL INSPECTIONS.

TABLE 1 MOWED PERMANENT SEED MIXTURE TO BE SEEDD BETWEEN APRIL 1 AND MAY 30, OR BETWEEN SEPTEMBER 1 AND OCTOBER 1.

Apply all of the following mixture components:

Table with 6 columns: SCIENTIFIC NAME, COMMON NAME, MINIMUM % PURITY, MINIMUM % GERMINATION, SEEDING RATE (lbs/1000SF), SEEDING RATE (lbs/ACRE). Rows include Lolium perenne, Festuca rubra, and Poa pratensis.

NOTE: If the above seeding dates cannot be observed, use appropriate temporary seeding mixture. TOTAL: 6.0 262

TABLE 2 NON-MOWED SLOPE SEED MIXTURE TO BE SEEDD BETWEEN APRIL 1 AND MAY 30 OR BETWEEN SEPTEMBER 1 AND OCTOBER 1.

Apply all of the following mixture components:

Table with 6 columns: SCIENTIFIC NAME, COMMON NAME, MINIMUM % HARDEED, MINIMUM % PURITY, MINIMUM % GERMINATION, SEEDING RATE (lbs/1000SF), SEEDING RATE (lbs/ACRE). Rows include Lolium perenne, Festuca rubra, Lotus corniculatus, plus, depending on the season, and on the seed availability, add one of these nurse crops, Avena sativa, Secale cereale, and Secale cereale.

NOTE: If above seeding dates cannot be observed, use the appropriate temporary seeding mixture. TOTAL: 7.7 332

TABLE 3 RAIN GARDEN / BIO-INFILTRATION BASIN SEED MIX TO BE SEEDD BETWEEN APRIL 1 AND MAY 30, OR BETWEEN SEPTEMBER 1 AND OCTOBER 1.

SEE PROJECT SPECIFICATIONS FOR SEED MIX REQUIREMENTS.

TABLE 4 TEMPORARY SEED MIX

Apply one of the following species within the time frame specified:

Table with 6 columns: SCIENTIFIC NAME, COMMON NAME, MINIMUM % PURITY, MINIMUM % GERMINATION, SEEDING RATE (lbs/1000SF), SEEDING RATE (lbs/ACRE). Rows include Avena sativa and or Secale cereale.

NOTE: If seeding after October 30, increase straw mulch rate to 4 tons per acre. TOTAL: 4.8 208

SOIL LIMITATIONS:

- 1. SLOPE: - REGRADE THE SITE TO SUITABLE SLOPES FOR DESIRED FUNCTION
- 2. PERMEABILITY: - PERFORM PERCOLATION TEST TO DETERMINE BEST POND LOCATIONS
- 3. EASILY ERODED: - USE EROSION CONTROL BLANKETS ON SLOPES STEEPER THAN 3:1 AND STABILIZE ALL DISTURBED AREAS WITH SEED AND MULCH AS SOON AS POSSIBLE.

CEC Civil & Environmental Consultants, Inc. 333 Baldwin Road - Pittsburgh, PA 15205-9072 Ph: 412.429.2324 - 800.365.2324 - Fax: 412.429.2114 www.cecinc.com

PROJECT NUMBER 070-915

Revision table with columns: NO., DATE, REVISION, APPR. Row 1: 1, 09/08, ISSUED FOR ADDENDUM

Approval stamps: SUBMITTED, PROJECT DESIGNER, PROJECT COORDINATOR, APPROVED, CHIEF - DIVISION OF DESIGN, APPROVED, DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION

AS-BUILT THIS RECORD DRAWING HAS BEEN PREPARED ON INFORMATION PROVIDED BY OTHERS. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494

APPLICABLE CONTRACT NO'S.

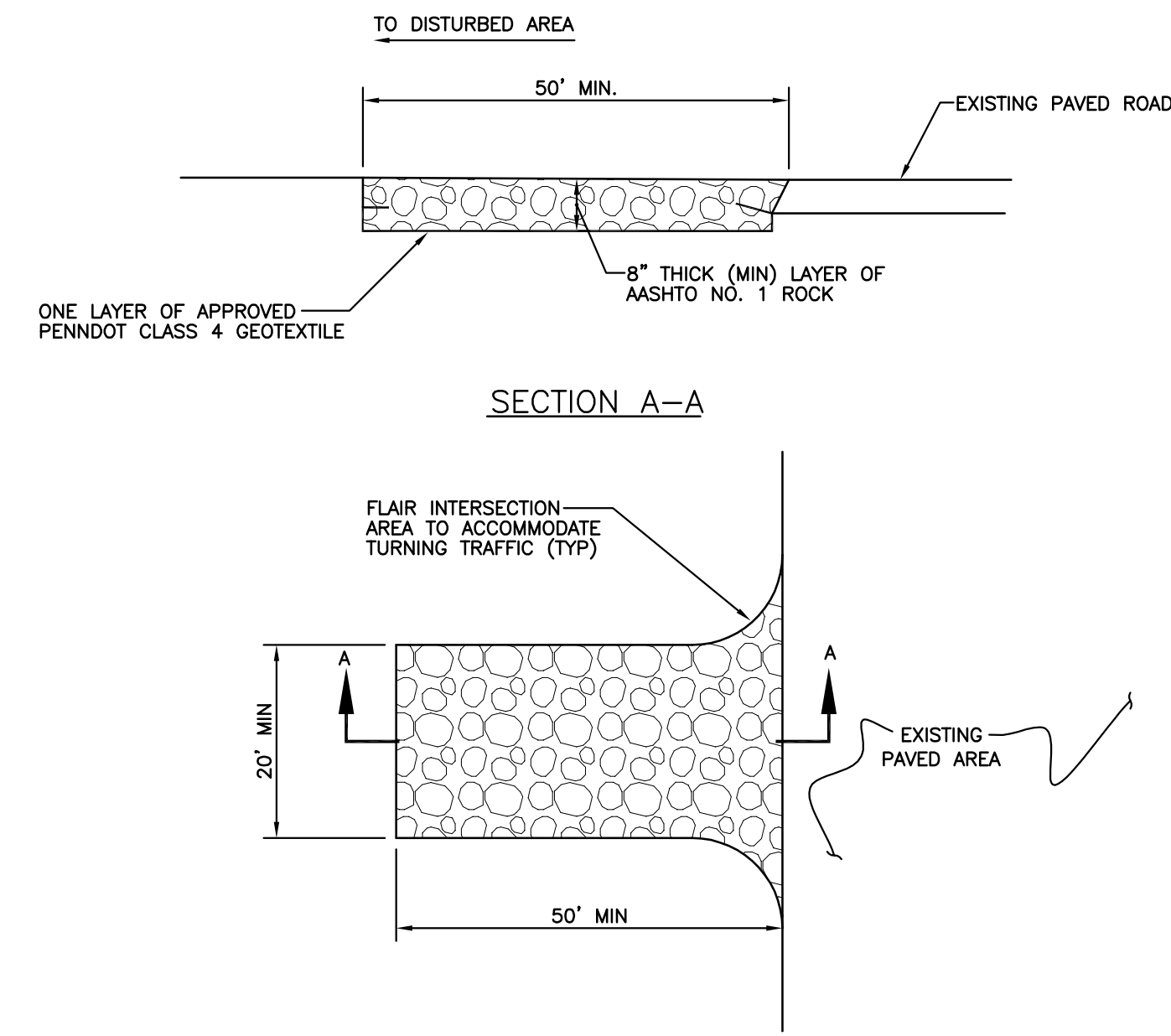
Table with 2 columns: GENERAL, PLUMBING; HVAC, ELECTRICAL; ROADWAY.

THE INN AT BALD EAGLE STATE PARK HOWARD AND LIBERTY TOWNSHIP, CENTRE COUNTY, PENNSYLVANIA

EROSION & SEDIMENT CONTROL NOTES

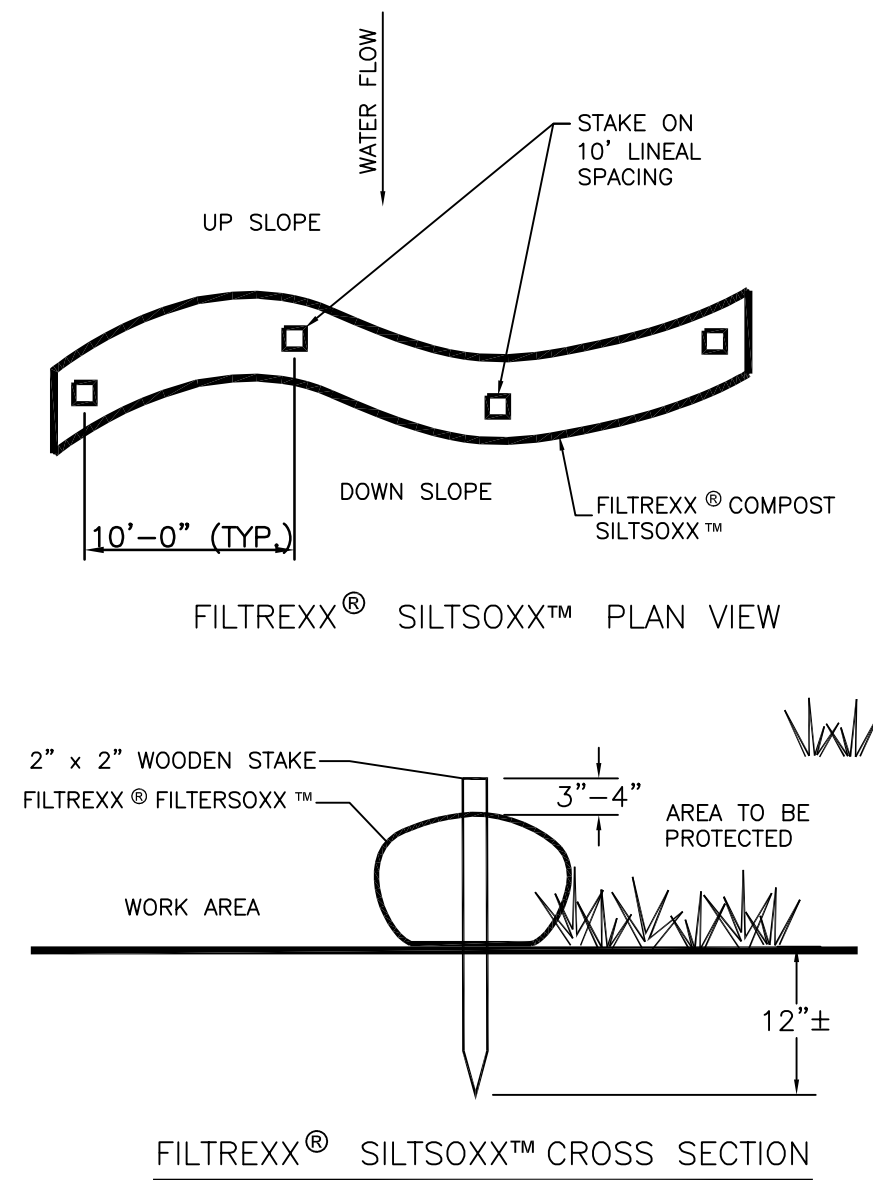
Table with 3 columns: DRAWING NO., DATE, DRAWING TITLE. Values: TAF, 09/18/08, C9.4





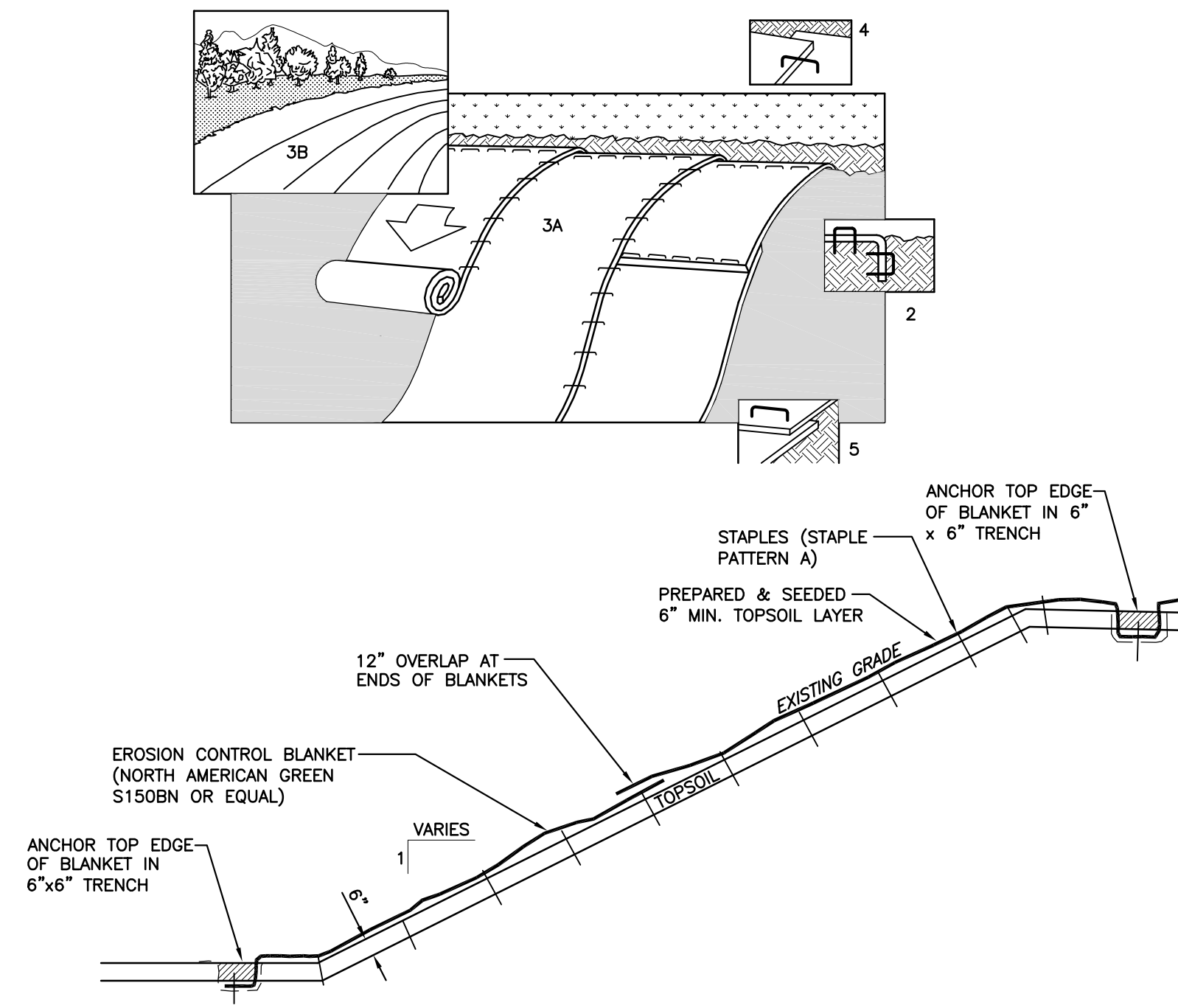
**NOTES:**  
 THE ENTRANCE IS TO BE INSPECTED DAILY. THE ROCK THICKNESS IS TO BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL SHALL BE MAINTAINED ON THE SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. AREAS OF THE ROCK CONSTRUCTION ENTRANCE THAT BECOME CLOGGED WITH DIRT, DEBRIS, ETC. SHALL BE CLEANED OR REPLACED.

**DETAIL 1  
 ROCK CONSTRUCTION ENTRANCE**  
 N.T.S.



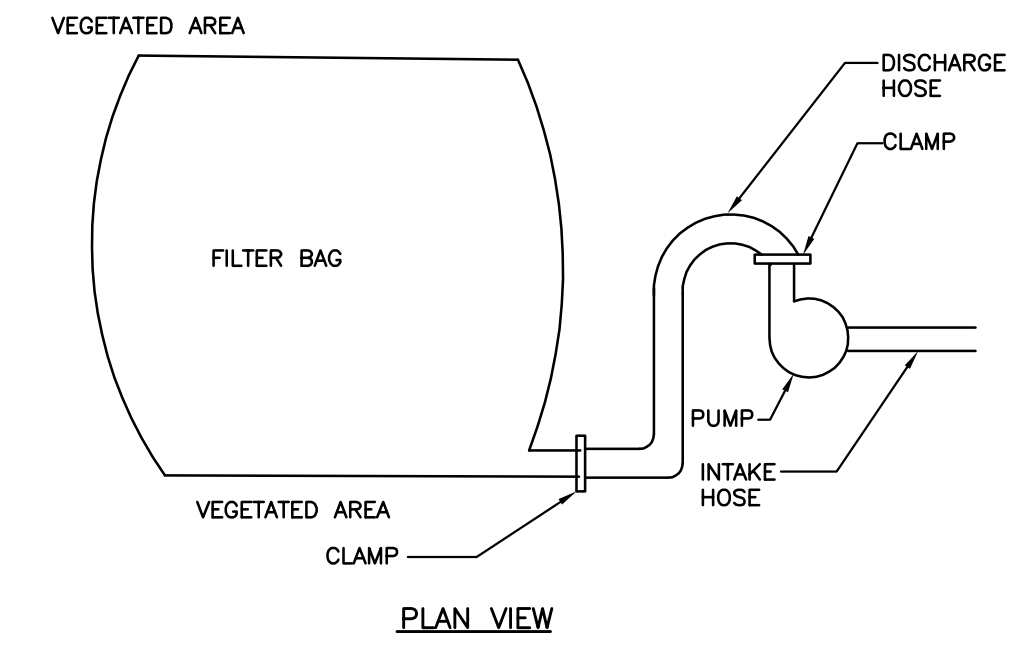
- NOTES:**
1. ALL MATERIAL TO MEET FILTRREXX® (OR EQUAL) SPECIFICATIONS.
  2. SILTISOXX™ (OR EQUAL) COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
  3. SILTISOXX™ (OR EQUAL) DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER THE ENGINEER.
  4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY DEPARTMENT.

**DETAIL 2  
 COMPOST FILTER LOG**  
 N.T.S.




1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 12" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
6. EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL SLOPES STEEPER THAN 3:1 WITH A MINIMUM OF 6 INCHES OF TOPSOIL.

**DETAIL 3  
 SLOPE BLANKET INSTALLATION**  
 N.T.S.



- NOTES:**
1. FILTER BAGS MAY BE USED TO FILTER WATER PUMPED FROM DISTURBED AREAS SUCH AS UTILITY TRENCHES AND FOOTERS.
  2. FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.
  3. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE FILLED OR FAILED.
  4. BAGS SHALL BE LOCATED IN WELL VEGETATED (GRASSY) AREAS, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE FLOW PATH SHALL BE PROVIDED. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5 PERCENT.
  5. THE PUMP RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHOULD BE FLOATING AND SCREENED.
  6. FILTER BAGS SHALL BE INSPECTED DAILY AND ANY CORRECTIVE ACTION REQUIRED SHALL BE DONE IMMEDIATELY.

**DETAIL 4  
 WATER FILTER BAG DETAIL**  
 N.T.S.

 <b>Civil &amp; Environmental Consultants, Inc.</b> <small>333 Baldwin Road - Pittsburgh, PA 15205-9072          Ph: 412.429.2324 - 800.365.2324 - Fax: 412.429.2114          www.cecinc.com</small>		<b>PROJECT NUMBER</b> 070-915										
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