

project title  
**BUCKNELL UNIVERSITY - STUCK HOUSE RENOVATION**

project location  
BUCKNELL UNIVERSITY  
STUCK HOUSE  
7th STREET  
LEWISBURG, PA 17857

project owner  
BUCKNELL UNIVERSITY  
701 MOORE AVE.  
LEWISBURG, PA 17857

design project no.	19028
consultant project no.	---
owner project no.	---

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date	11/10/2015

drawing status  
**BIDDING SET**

sheet title  
**SITE DETAILS AND NOTES**

scale	AS NOTED
sheet no.	<b>C 3.0</b>

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**EROSION AND SEDIMENT CONTROL NOTES**

**GENERAL**

- IN ACCORDANCE WITH DEP CHAPTER 102 EROSION AND SEDIMENT CONTROL REGULATIONS, PROJECTS THAT DISTURB LESS THAN 5,000 SQUARE FEET ARE NOT REQUIRED TO DEVELOP A WRITTEN SOIL EROSION AND SEDIMENT CONTROL PLAN. HOWEVER, ALL PROJECTS ARE REQUIRED TO IMPLEMENT AND MAINTAIN EROSION CONTROL BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR ACCELERATED EROSION AND SEDIMENTATION. REFER TO THE SOIL EROSION CONTROL NOTES HEREIN FOR MORE INFORMATION.
- THE EROSION AND SEDIMENT BMP'S WILL BE INSTALLED AND BE FUNCTIONAL BEFORE SITE DISTURBANCE OR CONSTRUCTION BEGINS. UPON COMPLETION OF WORK AND PERMANENT RESTABILIZATION THE BMP'S SHALL BE REMOVED.
- MAINTAIN ALL TEMPORARY CONTROL MEASURES FOR THE DURATION OF THE PROJECT. INSPECT REGULARLY ON A WEEKLY BASIS OR AFTER RAINFALL EVENTS. CLEAN OR REPLACE AS NEEDED. SEEDED AREAS SHALL BE CHECKED REGULARLY, AND SHALL BE WATERED, FERTILIZED, RESEEDED AND MULCHED AS NECESSARY TO OBTAIN A DENSE COVER OF GRASS.
- RECYCLE AND DISPOSE OF MATERIAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. COMPLY WITH AIR QUALITY, WATER QUALITY, SOLID WASTE MANAGEMENT POLICIES, ETC. COMPLY WITH DEP CLEAN FILL POLICY.
- THIS IS A LOW HAZARD SITE DUE TO THE LIMITED DISTURBANCE, SLOPES LESS THAN 5% AND DISTANCE OF OVER 100 FEET FROM A SURFACE WATER.

**SEQUENCE OF CONSTRUCTION:**

- A ROCK CONSTRUCTION ENTRANCE IS NOT CONSIDERED NECESSARY FOR THIS PROJECT. CONTRACTOR SHALL INSURE SEDIMENT IS NOT TRACKED OR DEPOSITED ONTO PUBLIC WALKS OR ROADWAYS. IF ANY SEDIMENT IS DEPOSITED ONTO PUBLIC WALKS OR ROADWAYS IT SHALL BE REMOVED AND RETURNED TO THE SITE DAILY.
- INSTALL SILT SOCK AS REQUIRED.
- DEMOLISH FEATURES AS SHOWN ON THE DEMOLITION PLAN.
- PERFORM REQUIRED EARTHWORK TO SUBGRADE FOR CONCRETE WALKS AND PARKING AREA. RUBBER Tired TRUCKS SHALL REMAIN ON EXISTING PAVEMENT TO MINIMIZE TRACKING OF MATERIAL OFF SITE. EARTHMOVING EQUIPMENT TO OPERATE IN DISTURBED AREAS. ALL EXCAVATED MATERIAL SHALL BE LOADED ONTO TRUCKS AND REMOVED FROM THE SITE. PROVIDE PROPER DISPOSAL. COMPLY WITH DEP CLEAN FILL POLICIES. PROOF-ROLL THE SUBGRADE. IF THE SUBGRADE RUTS, WEAVES OR QUAKES DURING PROOF-ROLLING, THE UNACCEPTABLE AREAS SHOULD BE EXCAVATED AND SOIL RECOMPACTED OR REPLACED. INSURE MATERIALS USED FOR STRUCTURAL FILL ARE FREE OF ORGANIC MATERIAL, TOPSOIL AND DEBRIS. COMPACT STRUCTURAL FILL TO AT LEAST 100% OF MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD PROCTOR. PLACE FILL IN LIFTS NOT TO EXCEED 6" LOOSE THICKNESS. STABILIZE WALKS AND PARKING AREAS WITH SUBBASE.
- CONSTRUCT THE PROPOSED CONCRETE WALKS AND PARKING AREA. ALL FINAL GRADES SHALL CLOSELY MATCH EXISTING GRADES AS INDICATED. CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE ACROSS CONCRETE SURFACES IS PROVIDED AND NO LOW SPOTS OF PUDDLING OCCUR WITHIN THE LIMITS OF WORK UNLESS NATURALLY OCCURRING.
- FURNISH AND PLACE TOPSOIL ADJACENT TO ALL CONCRETE WALKS AND PARKING AREA AND IN ALL DISTURBED AREAS. ADJUST SLOPES AND FINE GRADE TO MATCH EXISTING GRADE. SEED ALL DISTURBED AREAS WITH 4 STAR PERENNIAL RYEGRASS FROM SEEDWAY OR EQUAL APPLIED AT THE RATE OF 9-12 LBS PER 1000 SQUARE FEET. FERTILIZE AND MULCH IN ACCORDANCE WITH SPECIFICATIONS. MAINTAIN LAWN AREA UNTIL ACCEPTED BY OWNER.
- REMOVE SILT SOCK AND OTHER TEMPORARY EROSION CONTROL MEASURES AFTER PERMANENT STABILIZATION IS ACHIEVED. REPAIR ANY AREAS DAMAGED IN THE PROCESS OF REMOVAL. SEED AND MULCH. PERMANENT STABILIZATION IS ACHIEVED WHEN 70% IS EITHER VEGETATED OR PAVED AS DETERMINED BY THE COUNTY CONSERVATION DISTRICT. MEASURES SHALL CONSIST OF, BUT NOT BE LIMITED TO, APPLYING ANNUAL RYEGRASS SEEDING AND/OR MULCH, INSTALLING FILTER FABRIC DOWNGRADE OF EXPOSED AREAS, INSTALLING EROSION CONTROL MATTING ON SLOPES.
- IN THE EVENT OF ANY PLANNED OR UNSCHEDULED PROJECT SUSPENSIONS, INTERIM STABILIZATION AND CONTROL MEASURES SHALL BE IMPLEMENTED. THESE INTERIM MEASURES SHALL CONSIST OF, BUT NOT BE LIMITED TO, APPLYING ANNUAL RYEGRASS SEEDING AND/OR MULCH, INSTALLING FILTER FABRIC DOWNGRADE OF EXPOSED AREAS, INSTALLING EROSION CONTROL MATTING ON SLOPES.

**GENERAL ZONING NOTES**

- ZONING: BUCKNELL UNIVERSITY ZONING DISTRICT (B-U)
- USE OF LAND: UNIVERSITY BUILDINGS FOR ADMINISTRATIVE USE. THIS IS A PERMITTED USE.
- MINIMUM LOT AREA AND WIDTH: NONE
- BUILDING SETBACKS: FRONT 50' FROM RIGHT OF WAY (NOT APPLICABLE SINCE BUILDING EXISTS AND PREDATES THE ORDINANCE); SIDE AND REAR YARD: NONE
- MAXIMUM IMPERVIOUS COVERAGE PERCENTAGE IS 50%. THERE IS NO SIGNIFICANT INCREASE IN IMPERVIOUS COVERAGE PROPOSED BY THIS PROJECT. ALL STORMWATER RUNOFF IS TO EXISTING LAWN AREA ON SITE FOR INFILTRATION. THERE IS NO ADDITIONAL OFF SITE STORMWATER RUNOFF PROPOSED BY THIS PROJECT.
- MAXIMUM BUILDING HEIGHT 60'. BUILDING COMPLETES.
- PARKING FOR EMPLOYEES IS PROVIDED IN EXISTING LOTS ELSEWHERE ON CAMPUS. A DESIGNATED PARKING AREA FOR THIS PROJECT IS NOT REQUIRED. ONE ADA SPACE IS PROVIDED TO COMPLY WITH CODE.
- SCREENING IS NOT REQUIRED

**GENERAL SITE DEVELOPMENT NOTES**

- OWNER/DEVELOPER OF PROPERTY: BUCKNELL UNIVERSITY
- PROPERTY ADDRESS: 414 SOUTH SEVENTH STREET, LEWISBURG, PA. BUCKNELL UNIVERSITY OWNS ALL PROPERTY NORTH, EAST AND SOUTH OF THIS PROJECT AND CONSIDERS ALL LAND AS ONE CONTIGUOUS PARCEL. PROPERTY LINES ARE NOT RELEVANT TO THE CONSTRUCTION PROPOSED BY THIS PROJECT, PARTICULARLY SINCE THERE ARE NO SIDE YARD SETBACK REQUIREMENTS AND MOST WORK IS IN THE REAR YARD.
- TOPOGRAPHIC INFORMATION IN THE AREA OF THE PROJECT AS INDICATED ON THE PLAN IS FROM A SURVEY BY LARSON DESIGN GROUP IN SEPTEMBER 2015. VERTICAL DATUM IS NAVD 83. HORIZONTAL DATUM IS PA STATE PLANE COORDINATE SYSTEM NAD 83.
- PROPERTY IS CURRENTLY SERVED BY UTILITIES. SIGNIFICANT CHANGES ARE NOT PROPOSED. THERE ARE NO KNOWN UTILITIES ON THE LOT. CONTRACTOR SHALL CONTACT THE PA ONE CALL SYSTEM FOR UTILITY MARKOUT AND COORDINATE WORK WITH BUCKNELL UNIVERSITY TO MARK OUT ANY ON SITE UTILITIES OWNED BY THE UNIVERSITY. DO NOT DAMAGE ANY EXISTING UTILITY.
- THIS SITE IS NOT LOCATED IN THE 100 YEAR FLOODPLAIN.
- THERE IS AN INSIGNIFICANT INCREASE IN STORMWATER RUNOFF FROM THIS PROJECT. ALL WALKS WILL BE CROSS SLOPED INTO THE SITE AND STORMWATER WILL BE DISSIPATED ON SITE IN THE ADJACENT LAWN AREAS SIMILAR TO THE EXISTING CONDITION.

**PROJECT SPECIFICATIONS**

**REGULATORY REQUIREMENTS**

- ALL MATERIAL, CONSTRUCTION, MEASUREMENT, AND PAYMENT FOR THIS CONTRACT IS MADE UNDER, SUBJECT TO, AND GOVERNED BY THE FOLLOWING:
- PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS PUBLICATION 408, DATED 2011, WITH THE SUPPLEMENTS THERETO AND REVISIONS THEREOF, EXCEPT AS NOTED
  - PENNDOT PUBLICATION 72, STANDARDS FOR ROADWAY CONSTRUCTION
  - CONSTRUCTION DRAWINGS
  - BUCKNELL UNIVERSITY SPECIFICATIONS

WHERE APPLICABLE, ALL MATERIALS SHALL BE ON THE "LIST OF APPROVED MATERIALS" WITH THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION.

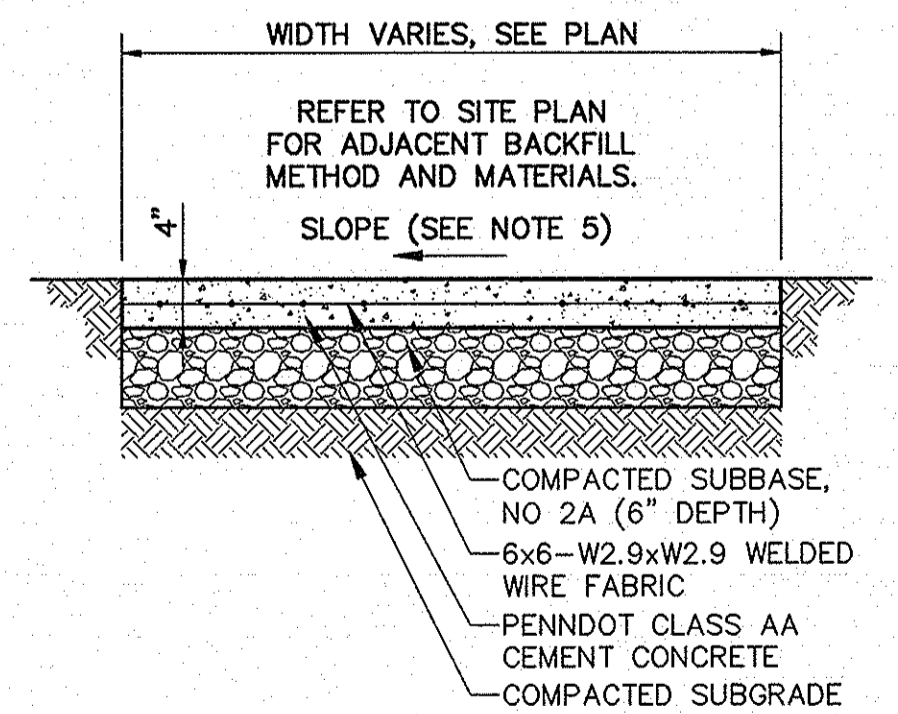
**CONSTRUCTION INTENT**

THE INTENT FOR CONSTRUCTION SHOWN ON THE SITE DRAWINGS IS TO PROVIDE FOR THE CONSTRUCTION OR INSTALLATION, COMPLETE AND IN PLACE, AS SPECIFIED INCLUDING ALL MATERIALS, LABOR, TOOLS, EQUIPMENT, WATER, LIGHT, HEAT, POWER, TRANSPORTATION, SUPERINTENDENCE, TEMPORARY CONSTRUCTION OF EVERY NATURE, PROPER DISPOSAL OF ALL EXCESS EXCAVATED MATERIAL, CHARGES, FEES OR OTHER EXPENSES AND ALL SERVICES AND FACILITIES OF EVERY NATURE WHATSOEVER NECESSARY FOR THE PERFORMANCE OF THE CONTRACT, COMPLETE IN EVERY RESPECT WITHIN THE SPECIFIED TIME.

WHERE APPLICABLE, ALL PRODUCTS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

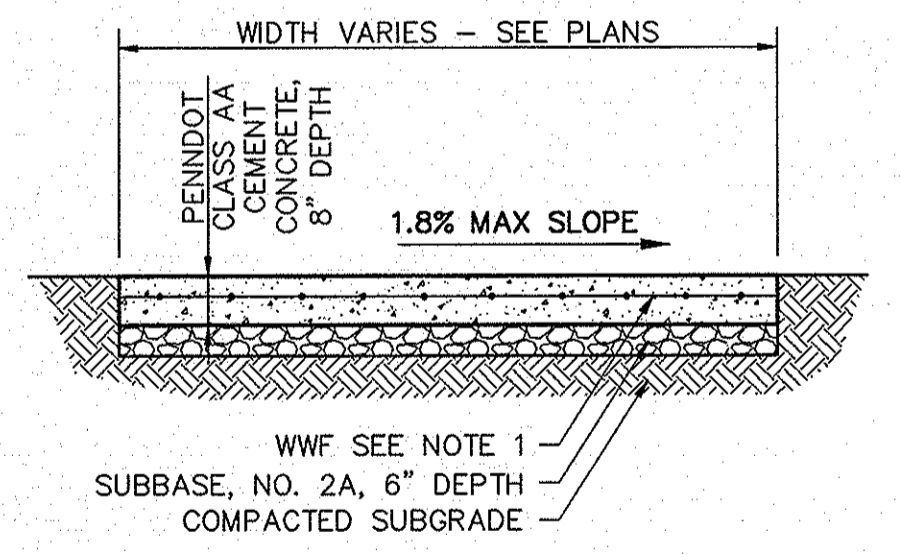
**REFERENCE TO PUBLICATION 408**

This project is to be constructed in accordance with PENNDOT Specifications, Publication 408. Following is a list of sections pertaining to major areas of construction but it is not an all-inclusive list. Refer to the following sections for specific information:  
Clearing and Grubbing - Section 201  
Excavation - Sections 203 and 204  
Subgrade - Section 201  
Geotextiles - Section 212  
Subbase - Section 350  
Concrete sidewalks - Section 676  
Topsail - Sections 802 and 803  
Seeding and mulching - Sections 804 and 805  
Filter sock - Section 867



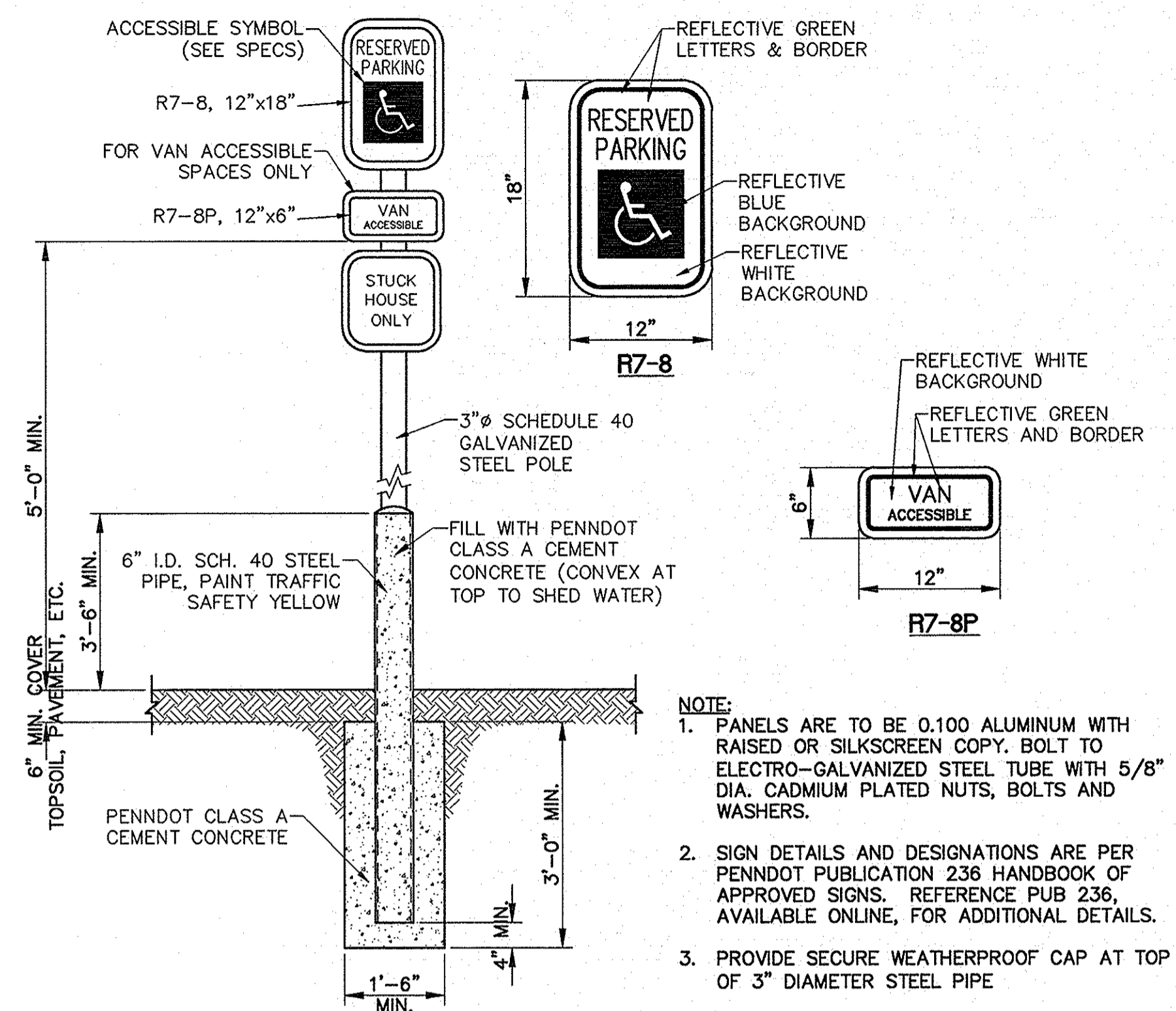
- NOTES:**
- FORM 2" SMOOTH TOOLED BORDER AT ALL JOINTS AND EDGES WITH A 1/4" RADIUS EDGING TOOL.
  - PROVIDE SCORED JOINTS EVERY 5' AND EXPANSION JOINTS AT MAXIMUM 25' INTERVALS.
  - WHERE CONCRETE ABUTS RIGID OBJECTS INSTALL 1/4" PREMOLDED EXPANSION MATERIAL.
  - PROVIDE LIGHT BROOM FINISH PERPENDICULAR TO FOOT TRAFFIC.
  - CROSS SLOPE OF WALK TO BE 1.8% MAXIMUM AND LONGITUDINAL SLOPE OF 5.0% MAXIMUM UNLESS INDICATED OTHERWISE ON GRADING PLAN OR OTHER DETAILS.

**CONCRETE SIDEWALK**  
SCALE: NOT TO SCALE



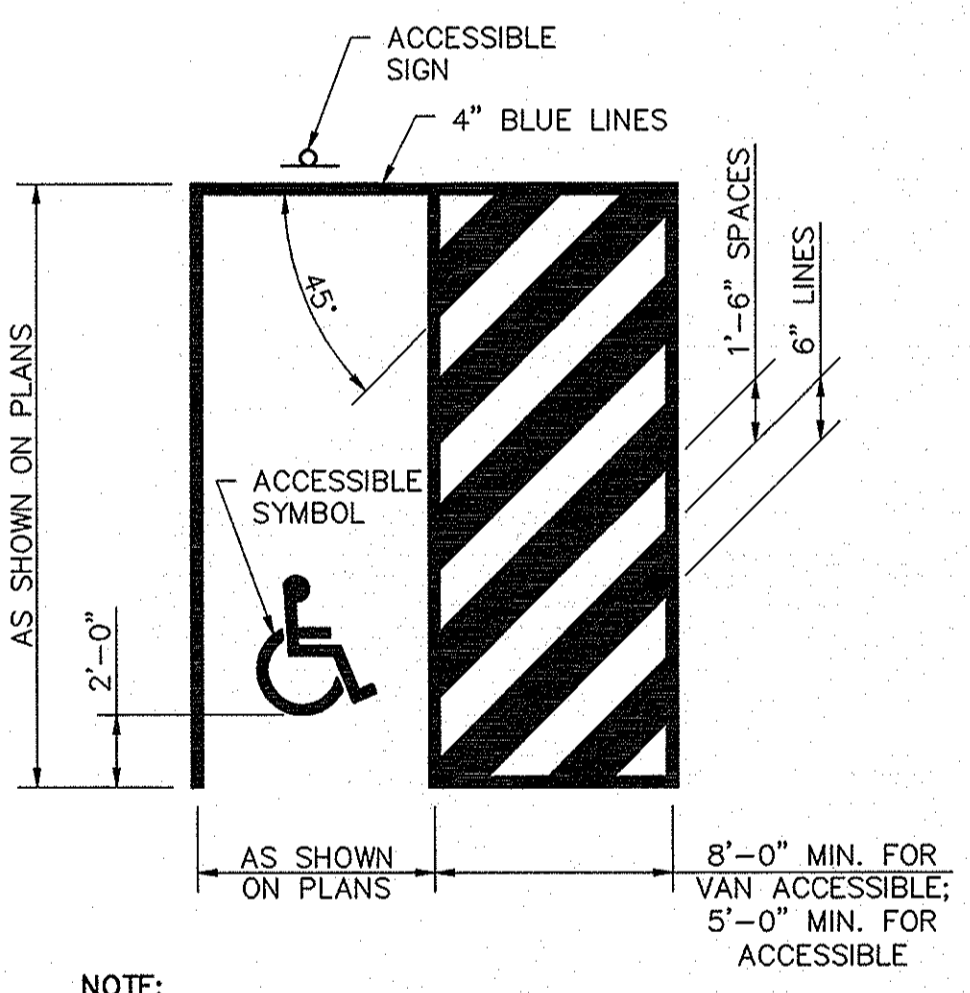
- NOTES:**
- REINFORCEMENT TO BE IN ACCORDANCE WITH PENNDOT RC-21. FOR ROADWAYS USE WWF WITH 6" WIRE SPACING FOR WIRES PARALLEL TO TRAFFIC AND 12" WIRE SPACING FOR WIRES PERPENDICULAR TO TRAFFIC. FOR NON-DIRECTIONAL TRAFFIC AREAS USE WWF WITH 6"x6" WIRE SPACING.
  - FORM 2" SMOOTH TOOLED BORDER AT ALL JOINTS AND EDGES WITH A 1/4" RADIUS EDGING TOOL.
  - FOR SIDEWALK AND DRIVEWAY AREAS PROVIDE SCORED JOINTS EVERY 5' AND EXPANSION JOINTS AT MAXIMUM 25' INTERVALS.
  - FOR ROADWAY PAVEMENTS PROVIDE JOINTS IN ACCORDANCE WITH RC-20.
  - WHERE CONCRETE ABUTS RIGID OBJECTS INSTALL 1/4" PREMOLDED EXPANSION MATERIAL.
  - PROVIDE LIGHT BROOM FINISH PERPENDICULAR TO FOOT OR VEHICULAR TRAFFIC.

**REINFORCED CONCRETE PAVEMENT**  
SCALE: NOT TO SCALE



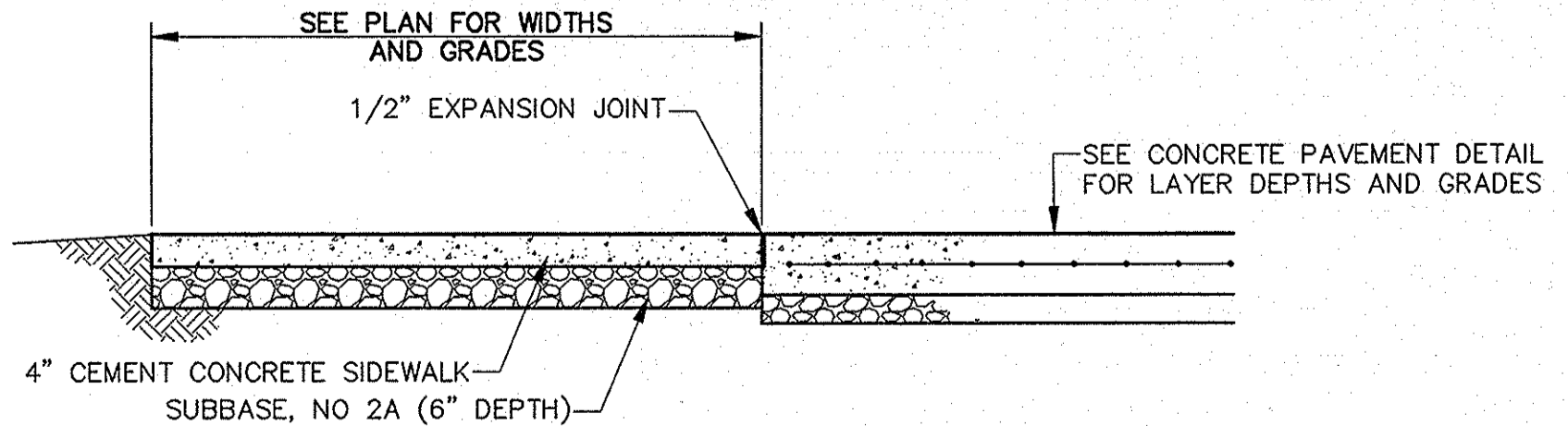
- NOTE:**
- PANELS ARE TO BE 0.100 ALUMINUM WITH RAISED OR SILKSCREEN COPY. BOLT TO ELECTRO-GALVANIZED STEEL TUBE WITH 5/8" DIA. CADMIUM PLATED NUTS, BOLTS AND WASHERS.
  - SIGN DETAILS AND DESIGNATIONS ARE PER PENNDOT PUBLICATION 236 HANDBOOK OF APPROVED SIGNS. REFERENCE PUB 236, AVAILABLE ONLINE, FOR ADDITIONAL DETAILS.
  - PROVIDE SECURE WEATHERPROOF CAP AT TOP OF 3" DIAMETER STEEL PIPE

**ACCESSIBLE SIGN ON BOLLARD**  
SCALE: NOT TO SCALE



- NOTE:**
- THE MAXIMUM SLOPE IN ANY DIRECTION CANNOT EXCEED 2.0%.

**ACCESSIBLE PARKING STALL**  
SCALE: NOT TO SCALE



**CONCRETE PAVEMENT AND SIDEWALK JOINT**  
SCALE: NOT TO SCALE