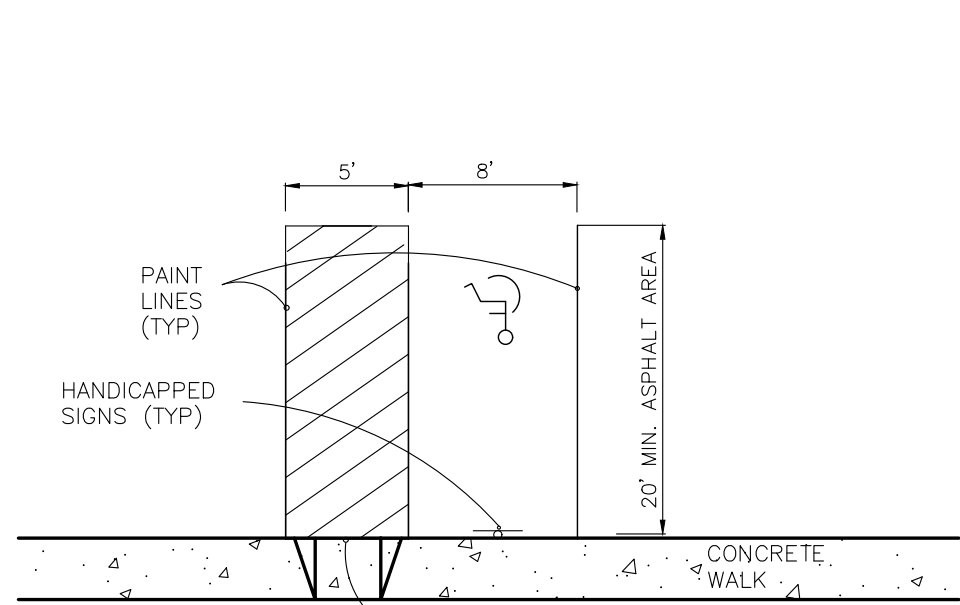
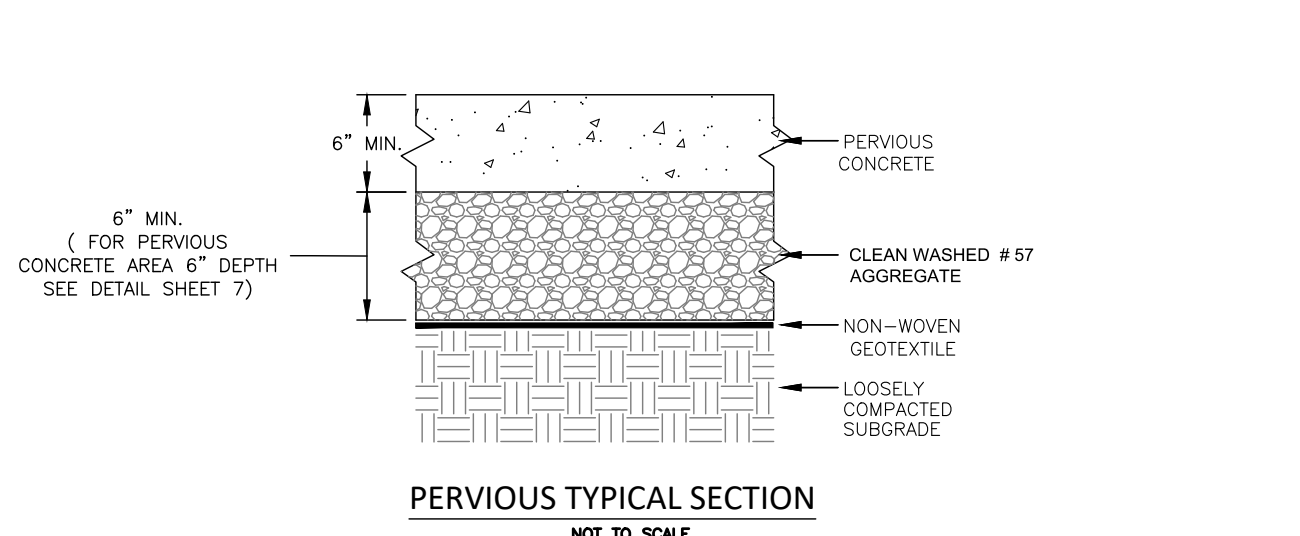


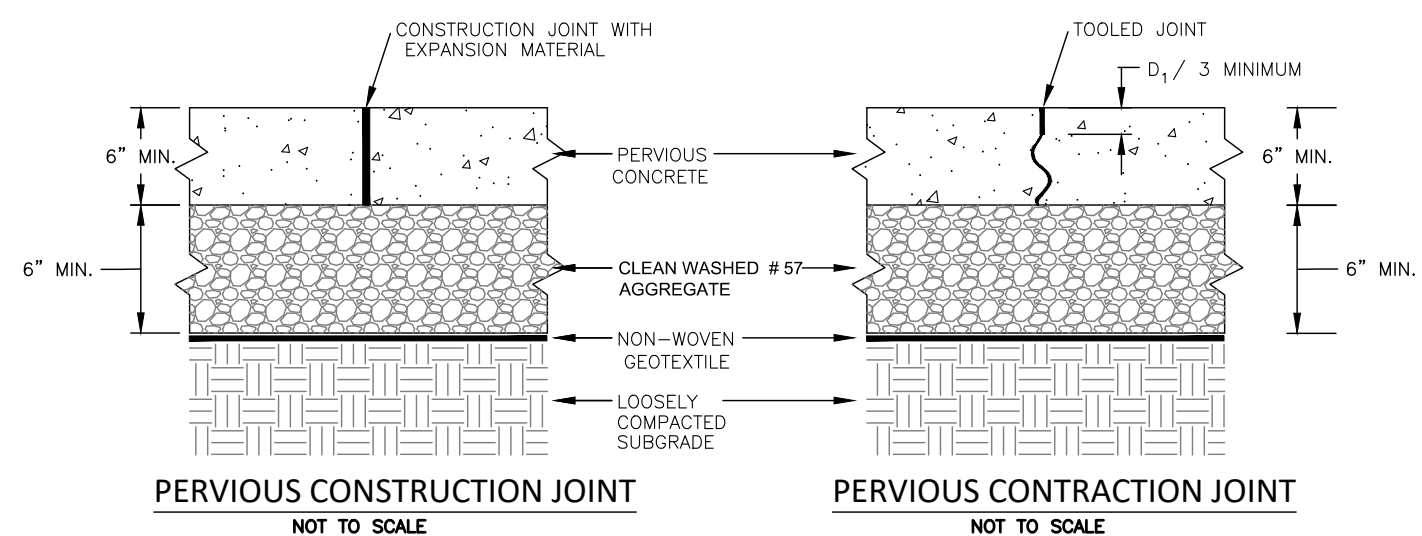
**TYPICAL HANDICAP PARKING STRIPING DETAIL**  
NOT TO SCALE



**HANDICAPPED PARKING SPACE DETAIL VAN ACCESSIBLE**  
NOT TO SCALE



**PERVIOUS TYPICAL SECTION**  
NOT TO SCALE



**PERVIOUS CONSTRUCTION JOINT**      **PERVIOUS CONTRACTION JOINT**  
NOT TO SCALE

- NOTES:**
1. THE ABOVE SPECIFIED CURB AND STRIPING DETAIL SHALL BE APPROXIMATELY 1/2\"/>
  - 2. THERE SHALL BE A LANDING AT THE END OF EACH CURB RAMP. THERE SHALL BE A DETECTABLE WARNING FIELD 48\"/>
  - 3. LANDING SHALL HAVE A MINIMUM CLEAR DIMENSION OF 4' x 4' x 4\"/>
  - 4. CURB HEIGHTS SHALL BE 4\"/>
  - 5. THE MAXIMUM SLOPE OF CURB RAMP SHALL BE 2 PERCENT. CURB RAMP SHALL GENERALLY BE IN CONTIGUOUS PLACES WITH A MINIMUM OF 5' GRADE WITHIN THE CURB RAMP. CURB RAMP SHALL BE 2\"/>
  - 6. THE MAXIMUM SLOPE OF CURB RAMP SHALL BE 2 PERCENT. CURB RAMP SHALL BE 2\"/>
  - 7. THE SLOPE OF ALL CURB RAMP SHALL BE 2 PERCENT. CURB RAMP SHALL BE 2\"/>
  - 8. CURB RAMP SHALL BE 2\"/>
  - 9. CURB RAMP SHALL BE 2\"/>
  - 10. CURB RAMP SHALL BE 2\"/>
  - 11. AT ALL CURB RAMP TRANSITIONS, THE CURB SHALL BE 2\"/>
  - 12. CURB RAMP SHALL BE 2\"/>
  - 13. A SMOOTH FINISH SHALL BE PROVIDED TO ENSURE A SLIP RESISTANT SURFACE.

**SIDEWALK GENERAL NOTES**

- NOTES:**
1. PERVIOUS CONCRETE MUST BE SUPPLIED AND INSTALLED BY NMCA CERTIFIED PRODUCERS AND CONTRACTORS.
  2. JOINTS TO BE SAWCUT AT 10X10 SPACING, 48 TO 80 HOURS AFTER PLACEMENT OF CONCRETE WITH A PERVIOUS CONCRETE JOINT CUTTING TOOL ONLY.
  3. PERVIOUS CONCRETE MUST BE COVERED WITH 6 MIL PLASTIC, SECURELY FASTENED ON THE EDGES AND A CROSS THE TOP, FOR A MINIMUM OF SEVEN (7) DAYS.
  4. EXPANSION JOINTS TO BE PLACED EVERY THIRD JOINT OR 30 FEET (WHICHEVER IS LESS).

**\*START HEAVY-DUTY MIX DESIGN FOR PERVIOUS CONCRETE**  
Heavy Duty Mix ( 3500 PSI HD MIX )

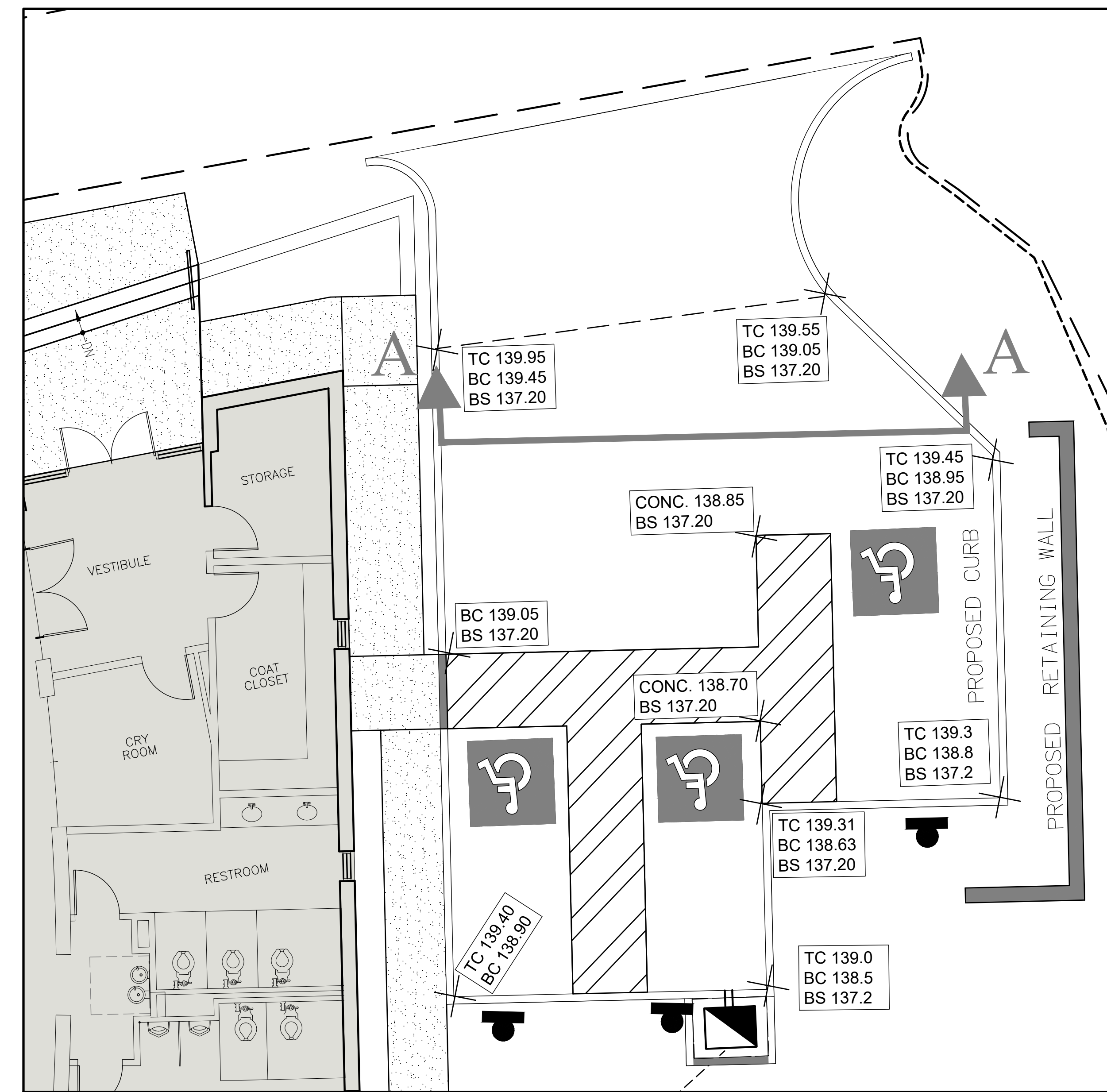
- \* 2300 pounds 1/2" OR 3/4" down aggregate or rounded gravel
- \* 310 pounds sand
- \* 3 pounds polypropylene micro fibers
- \* 500 pounds cementitious material
  - 500 pounds cement      OR
  - 450 pounds cement & 50 pounds slag or flyash
- \* 167-190 pounds of water OR 20-23 gal water per CUBIC YARD
- \*\* 0.33 to 0.38 water to cement ratio ideal

**ADJUSTURES**

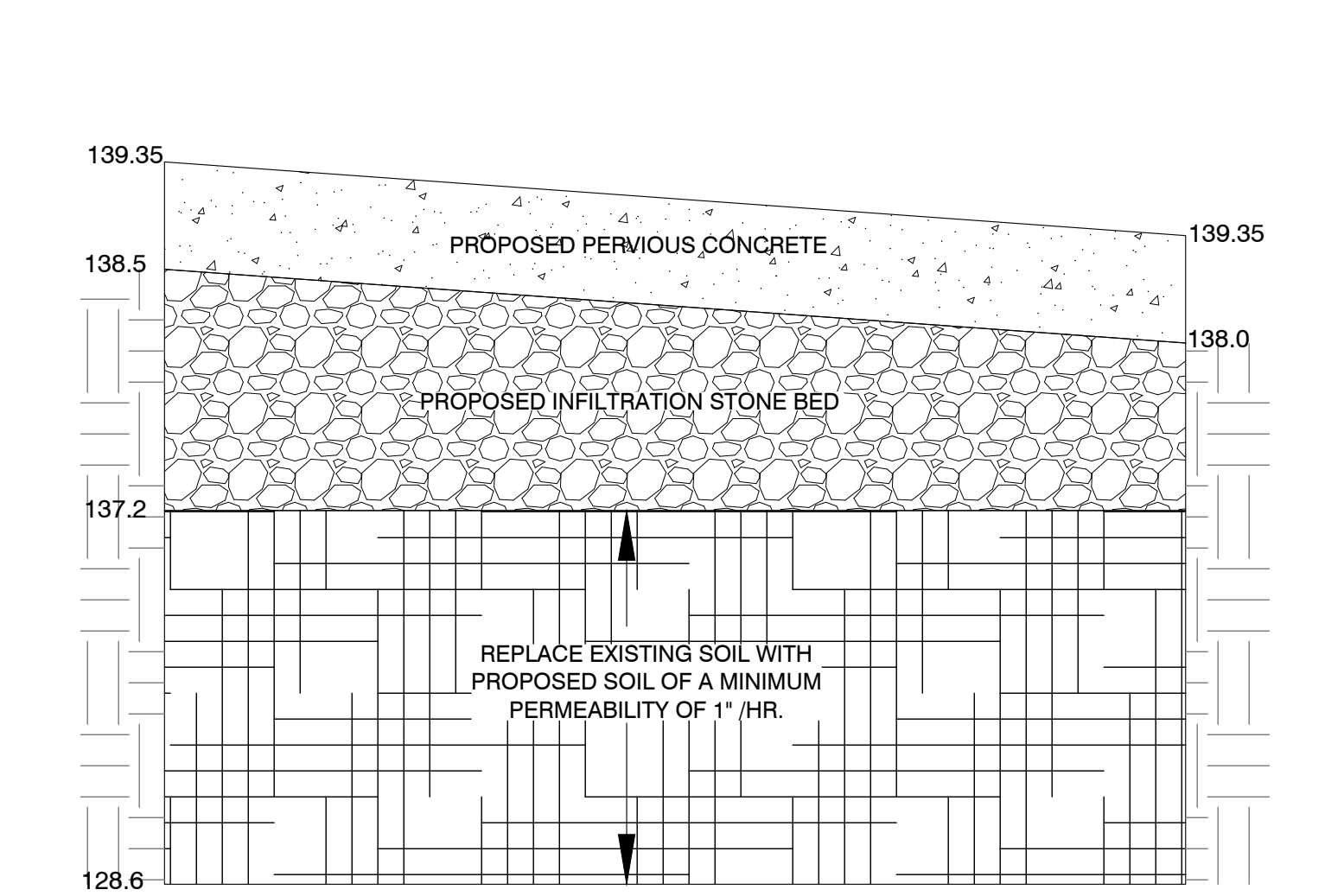
Outside Temp	Ounces/100 Ounces of Water	Ounces/Cubic Yard
60° F	15-14	65 to 70
70° F	15-16	75 to 80
80° F	17-18	85 to 90
90° F	19-20	95 to 100

- \* Mid-range Water Reducer - 30 concrete/cubic yard - 0.50 part
- \* Many admixture companies have combination hydration stabilizer/mid-range
- VERIFY ADMIXTURE DOSING QUANTITIES WITH YOUR ADMIXTURE SUPPLIER!

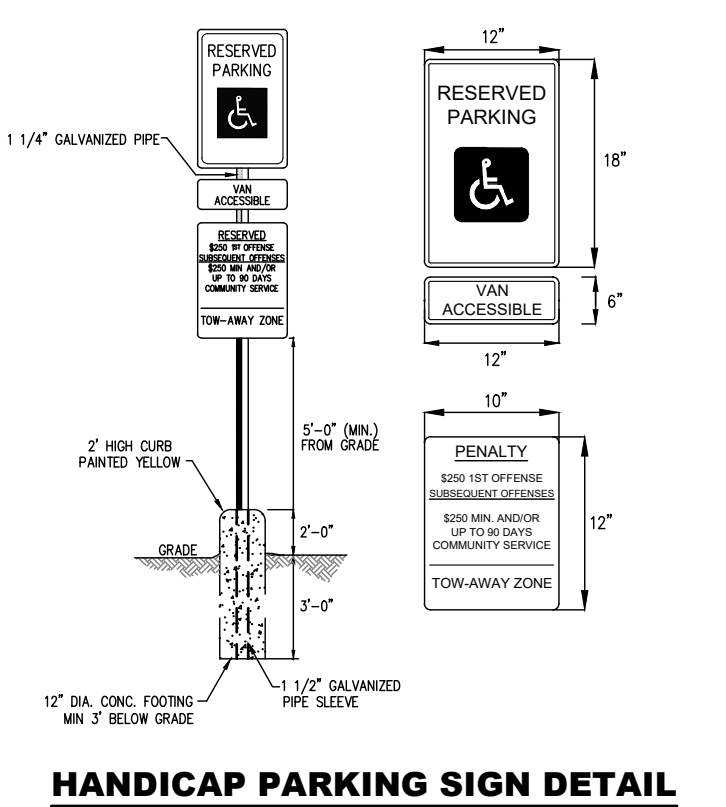
**NEVER, EVER, USE HOT WATER WITH THIS MIX!**



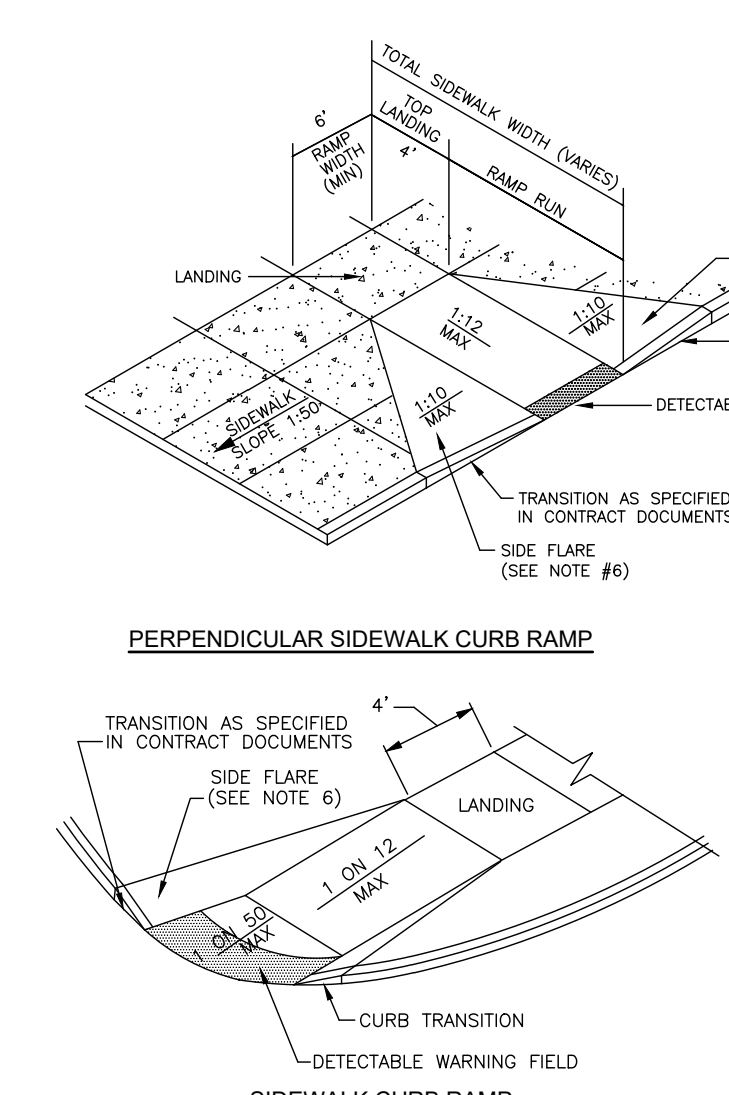
**PERVIOUS AREA 6**  
( PARKING AREA - PERVIOUS CONCRETE )  
WITH STONE STORAGE BED ELEVATION  
DETAIL  
NO SCALE



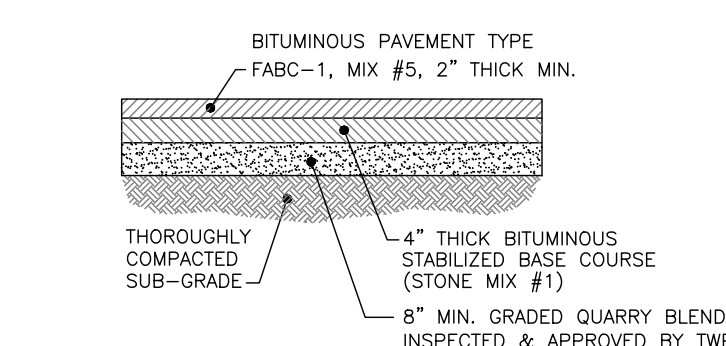
**CROSS SECTION A-A**  
SOIL REPLACEMENT  
DETAIL  
NO SCALE



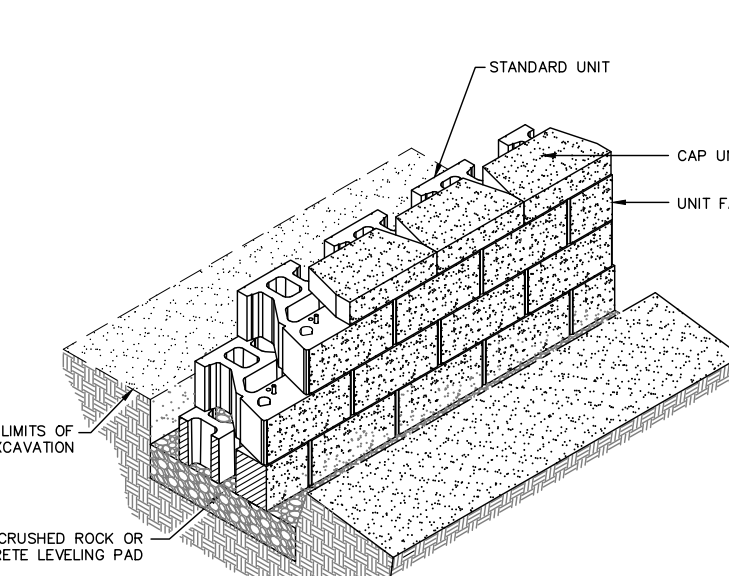
**HANDICAP PARKING SIGN DETAIL**  
NOT TO SCALE



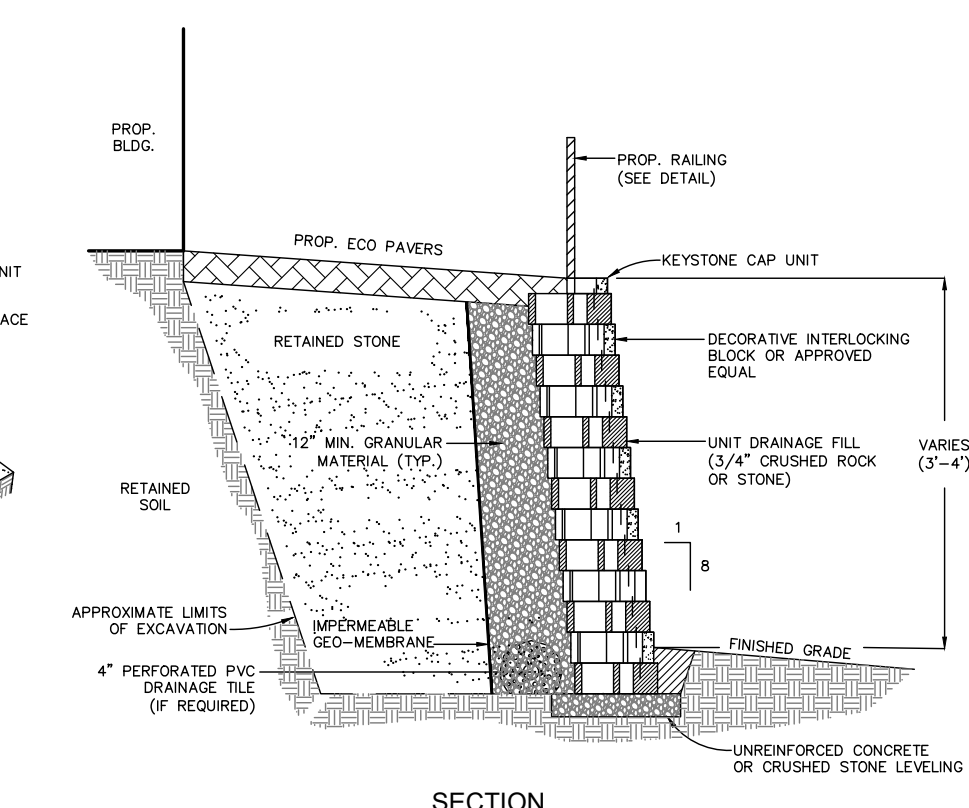
**HANDICAP CURB RAMP DETAIL**  
NOT TO SCALE



**TYPICAL PAVEMENT SECTION**  
NOT TO SCALE

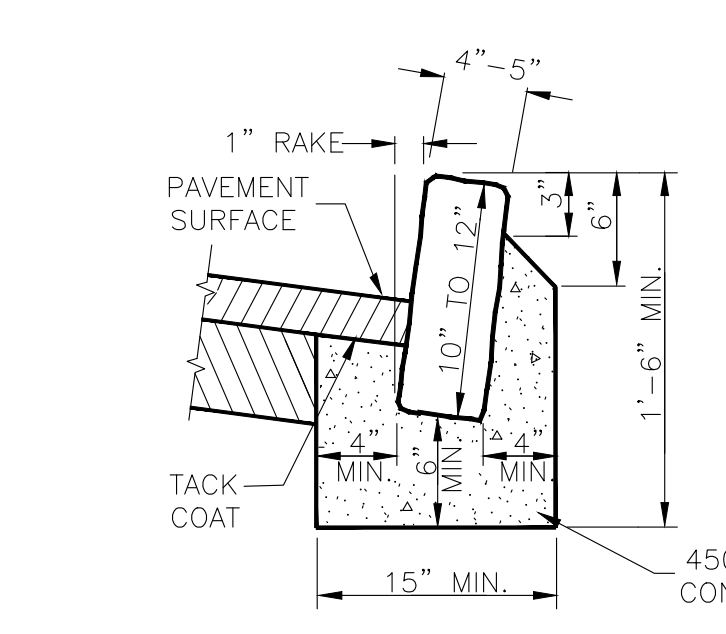


**CONCRETE SIDEWALK DETAIL**  
NOT TO SCALE

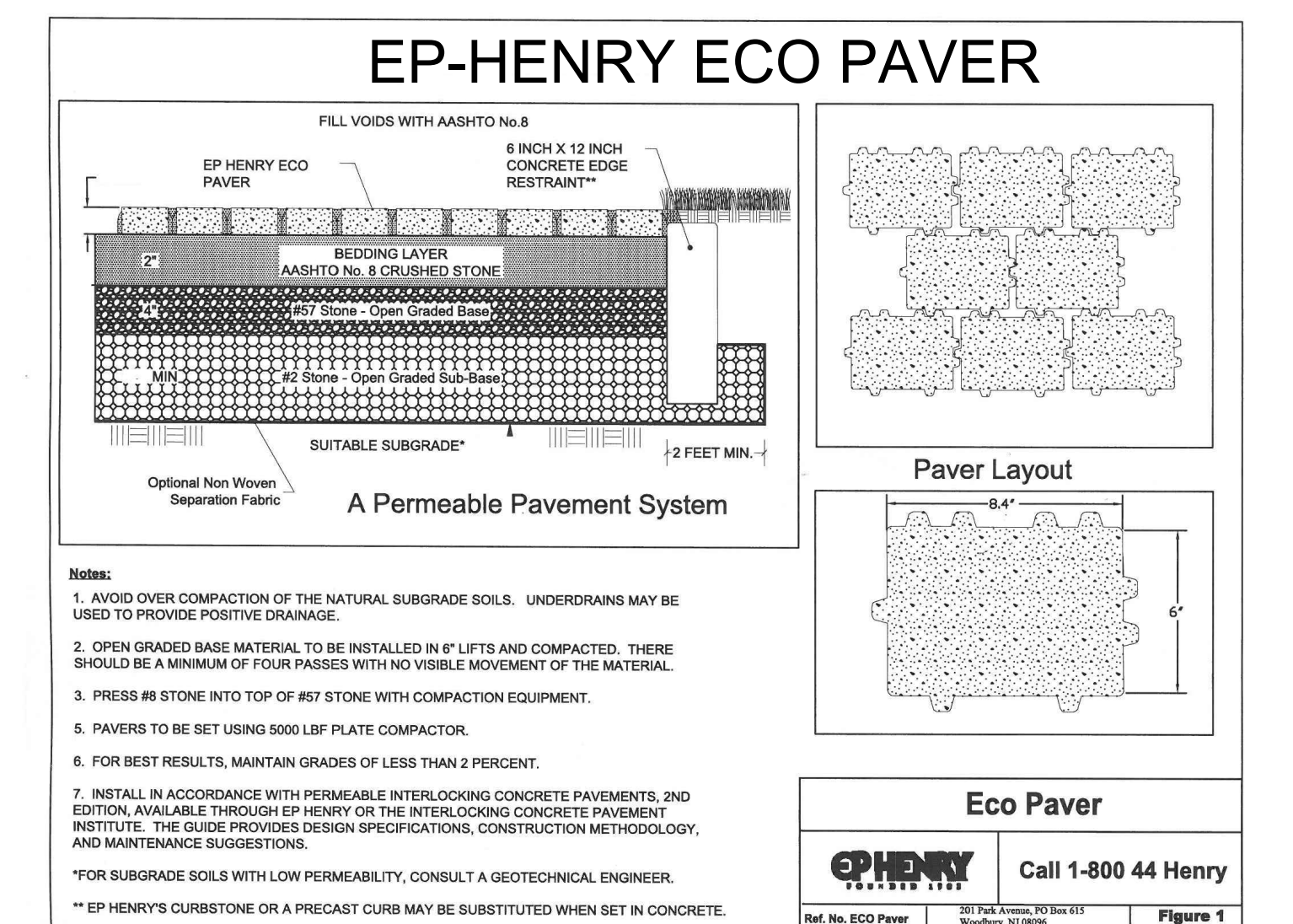


**RETAINING WALL**  
NOT TO SCALE  
STANDARD UNIT - 1' SETBACK

- NOTES:**
1. CONCRETE TO BE N.J.D.O.T. CLASS "B" (4500 PSI)
  2. PROVIDED PREFORMED BITUMINOUS FIBER EXPANSION JOINTS, 1/2" THICK AT 20'-0" (MAX.) INTERVALS. PROVIDE DUMMY JOINTS (FORMED) MIDWAY BETWEEN EXPANSION JOINTS



**BELGIAN BLOCK CURB**  
NOT TO SCALE



**POROUS PAVER DETAIL**  
NOT TO SCALE

- NOTES:**
1. CONCRETE TO BE N.J.S.H.D. CLASS "B"
  2. PROVIDED PREFORMED BITUMINOUS FIBER EXPANSION JOINTS, 1/2" THICK AT 20'-0" (MAX.) INTERVALS. PROVIDE DUMMY JOINTS (FORMED) MIDWAY BETWEEN EXPANSION JOINTS

**CONCRETE CURB**  
NOT TO SCALE

REVISION PER STORMWATER COMMENTS ON REV'S LETTER DATED 4/22/22	6/15/22	CR

Engineering Associates Inc.  
Civil & Environmental Engineers  
Professional Planners • Surveyors • Landscape Architects  
CERTIFICATE OF AUTHORIZATION NO. 24CA27989300

150 RIVER DRIVE  
MILLSBORO TOWNSHIP, N.J. 08255  
PH: 609/448-5250

DATE: 10/21/21  
SCALE:  
AS SHOWN  
DRAWN:  
CHECKED:  
SHEET: 7 of 8  
POCKET:

PRELIMINARY & FINAL MAJOR SITE PLAN  
LOT 25  
BLOCK 364.01  
( TAX MAP SHEET No.57 )  
TOWNSHIP OF EWING  
MERCER COUNTY, NEW JERSEY

**LORALI E. TOTTEN**  
PROFESSIONAL ENGINEER N.J. LIC. NO. 28962

FILE: 14-1407  
DATE: 10/21/21  
DRAWN: L.E.T.  
CHECKED: L.E.T.  
SHEET: 7 of 8  
POCKET:

K:\001\650016407 DESIGN PLANS\6407.DWG, 6/15/2022, 11:34 PM, AutoCAD PDF (Generic Document) (e), ARCH File Used (1/30/00, 4, 42.00 Inches)