New Jersey Department of Transportation

What is Happening in Landscape Architecture

A Designer's Palette

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Overview

- Completed Capital Program Projects
  
  Use of these details should be coordinated with the Bureau of Landscape Architecture & Environmental Solutions prior to any public meetings. The Bureau is designated as the Subject Matter Expert (S.M.E.) for the DOT in these areas.

  - Streetscape Details
  - Noise Walls & Retaining Walls
  - Soil Erosion and Environmental Compliance
  - Good Neighbor Landscape Program
Compile Details That Work

Palette of Ideas

Typical Crosswalks

PATTERN BOOK
TOOLKIT FOR CONTEXT SENSITIVE SOLUTIONS

NEW JERSEY DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN SERVICES
LANDSCAPE AND URBAN DESIGN
DAVID BYERS, MANAGER

NITROUS TAAKCOAT
6mm BRICK PAVING ON BITUMINOUS SETTING BED
WITH 25mm JOINTS MARKED
13mm PRECASTED BITUMINOUS
JOINT FILLER WITH Joint
SEALER (TYPE)

SAND CUT EXISTING PAVEMENT
SEE DETAIL A
FINISHED GRADE
OF ROADMATE

25mm DENSE
GRADED AGGREGATE, ITEM 522D
25mm SUB-BASE, ITEM 292IC
COMPACTED

REINFORCED WHITE CONCRETE CROSSWALK
REINFORCED CONCRETE CROSSWALK
HEADER, ITEM W78M
25mm PVC WEPP HOLES, 1.6mm O.C.
150mm MAINTAIN A MINIMUM OF
8.57 FROM THE ENDS OF
EACH BEAD OR TO THE
FIRST WEPP HOLE

PEDESTRIAN CROSSWALK—NOTE: INSTALL AFTER BITUMINOUS
SIZED 1:15
REVISED 6/11/04
CONCRETE PAVEMENT IS COMPLETED
1. Streetscape Design Features

- Sidewalk Treatments & Handicap Ramps
- Crosswalks
- Gutters
- Planters & Plantings (urban soil mix)
- Bollards and Street Furnishings
Sidewalk and Crosswalks
Epoxy Resin Crosswalk Imprint Installation
Shoulder Treatments

Concrete

Asphalt with Stone
Fluorescent Granules
Details to get Green in Urban Areas

Street Tree with Structural Soil

Importing Soil
Bollards
Park & Ride
Memorial Signs
Mini Park under Bridge
Budgeting
Compare Sidewalk Treatments $ Costs

Stamped Concrete
- Surface Course- $135/SM
- Crosswalk- $225/SM

Brick
- Sidewalks- $102/SM (stone dust bed)
- Sidewalks- $130/SM (bituminous bed)
- Crosswalks- $340/SM

Imprint Crosswalks- $190/SM
2. Wall Treatments

Retaining & Noisewall

- Concrete with Form-liner
- Stained Concrete
- Sound Absorptive finishes
- Brick Veneer
- Pre-cast Landscape Block
Retaining Wall with All Details

Brick Veneer, Form-liner, Staining
Matching Existing Historical Features with Form-Liner and Stained Concrete Wall Faces
Bridge Details
Parapets, Ornamental Fences, Stained Form-liner Wall
Form-liner & Stained Concrete for Slope Treatment
Noise walls with Clear Panel
Sound Absorption Finish
Asphalt & Tires (Whisper Wall)
3. Soil Erosion & Environmental Compliance

Ditch & Swale Treatments

- High Velocity Matting
- Rip Rap at Inlet Pipe & Opposite Side
EROSION CONTROL

Slope Treatment Before

Bonded Fiber Matrix
4. Good Neighbor Program
Design to the Level of Maintenance
Encourage Community Participation
Community Involvement
Plant Material for Screening of Neighborhood from Rt. 208
Complimenting Existing Community Needs
Morristown Green Seeing Eye Project
Requires Careful Inspection?

Where does this darn thing go?
Township Addition
Completed Project
Conclusion

- Did we promise you a Rose Garden?

- Our DOT Maze of Details

Thank You