04 - ENVIRONMENTAL
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
ENV-01	ENVIRONMENTAL INDEX		
ENV-02 - ENV-04	ENVIRONMENTAL SAMPLE LOCATION PLANS		
ENV-05 - ENV-07	AREAS OF ENVIRONMENTAL CONCERN		
ENV-08	WASTE STOCKPILE AREA (WSA) DETAILS		

DESIGNED BY:
CDR MAGUIRE

David R. Stock
2014.04.09
10:37:28
-04'00'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 4/9/2014

DESIGNER/DRAFTER: CAD
CHECKED BY: DRS

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CT_CON_FDP_0170-2296_164_03_ENV_ENV-01.dgn

SIGNATURE/BLOCK:
CDR Maguire
2080 Silas Deane Highway
Rocky Hill, CT 06067

PROJECT TITLE:
NEW HAVEN HARTFORD SPRINGFIELD
RAIL PROGRAM
PIGEON HILL WETLAND MITIGATION SITE

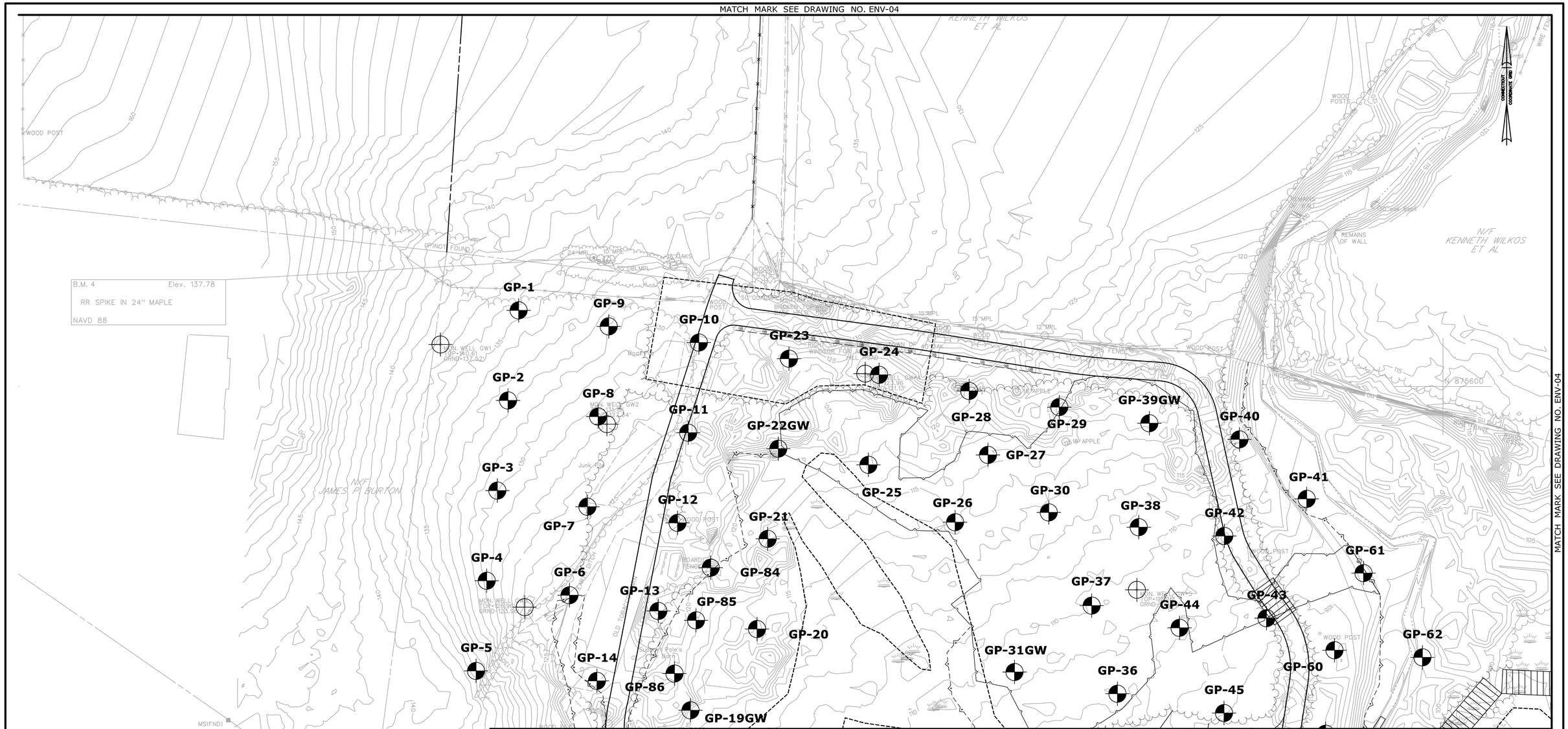
TOWN: WINDSOR

DRAWING TITLE: ENVIRONMENTAL INDEX

PROJECT NO. 170-3293
DRAWING NO. ENV-01
SHEET NO. 04.01

Connecticut Department of Transportation
QA/QC Format Check

MATCH MARK SEE DRAWING NO. ENV-04



ENVIRONMENTAL LEGEND

GP-# SOIL SAMPLE LOCATION

EXISTING MONITOR WELL TO BE ABANDONED

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 4/9/2014

DESIGNER/DRAFTER: CAD

CHECKED BY: DRS

SCALE IN FEET 0 40 80

SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CT..CON..FDP..0170-2296..164...03..ENV...ENV-02.dgn

SIGNATURE/BLOCK:

CDR Maguire
2080 Silas Deane Highway
Rocky Hill, CT 06067

PROJECT TITLE:
NEW HAVEN HARTFORD SPRINGFIELD RAIL PROGRAM
PIGEON HILL WETLAND MITIGATION SITE

TOWN: WINDSOR

DRAWING TITLE: ENVIRONMENTAL SAMPLE LOCATION PLAN

PROJECT NO. 170-3293

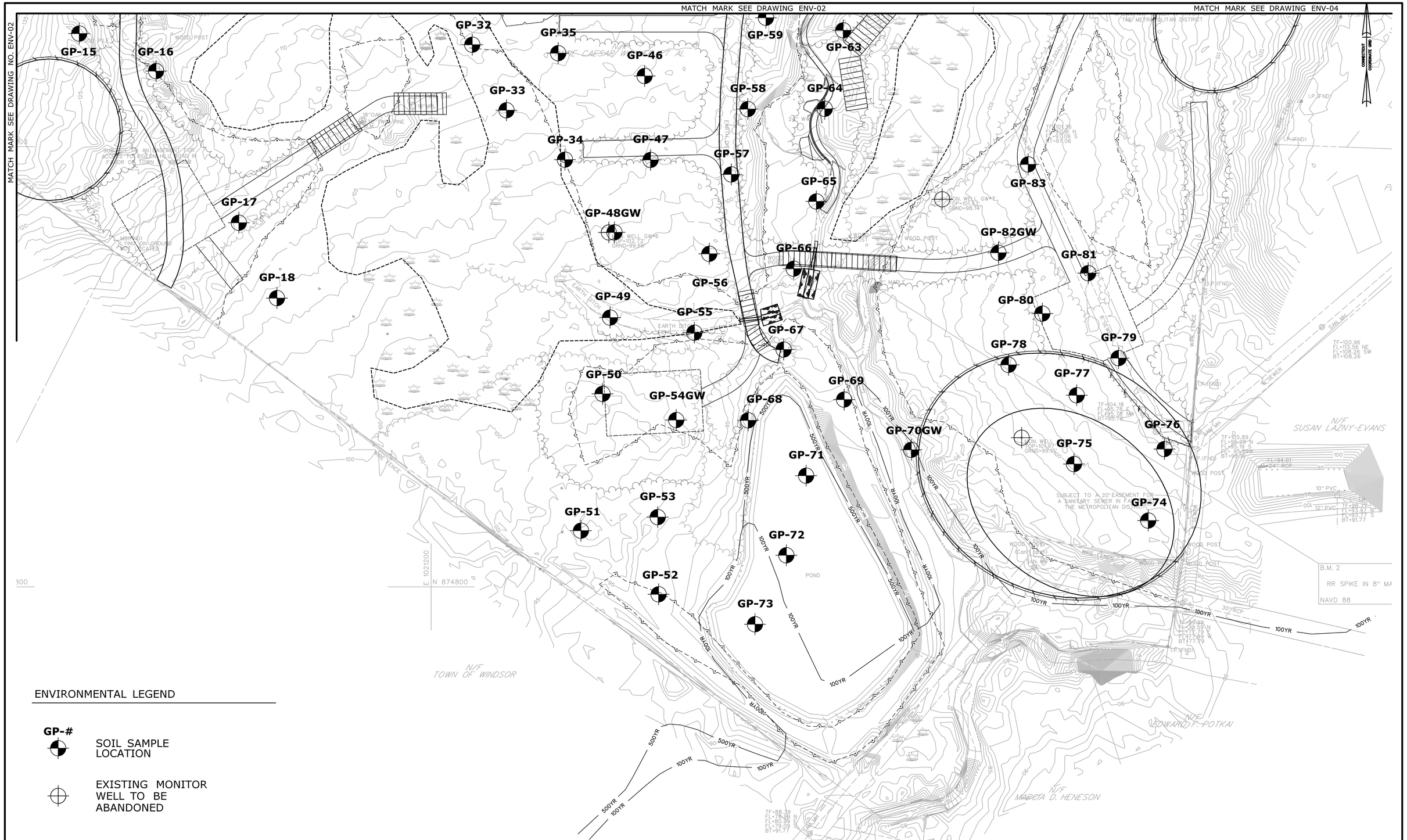
DRAWING NO. ENV-02

SHEET NO. 04.02

MATCH MARK SEE DRAWING ENV-02

MATCH MARK SEE DRAWING ENV-04

MATCH MARK SEE DRAWING NO. ENV-02



ENVIRONMENTAL LEGEND

GP-# SOIL SAMPLE LOCATION

EXISTING MONITOR WELL TO BE ABANDONED

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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DESIGNER/DRAFTER: CAD

CHECKED BY: DRS

SCALE IN FEET 0 40 80

SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CT_CON_FDP_0170-2296_164__03_ENV__ENV-03.dgn

SIGNATURE/BLOCK:

CDR Maguire
2080 Silas Deane Highway
Rocky Hill, CT 06067

STATE OF CONNECTICUT
DAVID R. PAGE
No. 17898
REGISTERED PROFESSIONAL ENGINEER

PROJECT TITLE:

NEW HAVEN HARTFORD SPRINGFIELD RAIL PROGRAM
PIGEON HILL WETLAND MITIGATION SITE

TOWN: WINDSOR

DRAWING TITLE: ENVIRONMENTAL SAMPLE LOCATION PLAN

PROJECT NO. 170-3293

DRAWING NO. ENV-03

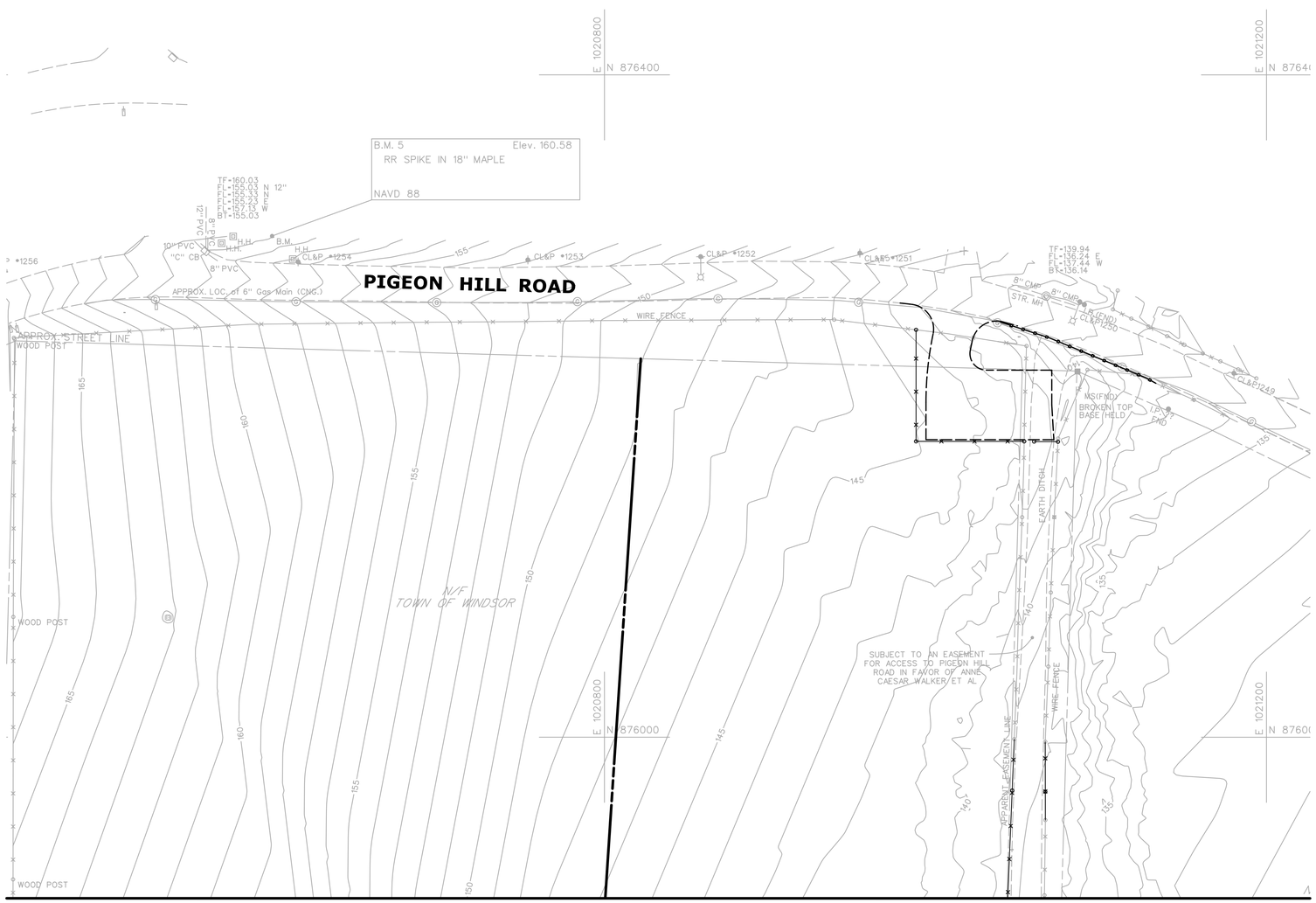
SHEET NO. 04.03

ENVIRONMENTAL LEGEND

GP-#

SOIL SAMPLE LOCATION

EXISTING MONITOR WELL TO BE ABANDONED



MATCH MARK SEE DRAWING NO. ENV-02

MATCH MARK SEE DRAWING NO. ENV-02

MATCH MARK SEE DRAWING NO. ENV-03

NO ENVIRONMENTAL SAMPLES THIS SHEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 4/9/2014

DESIGNER/DRAFTER: **CAD**

CHECKED BY: **DRS**

SCALE IN FEET 0 40 80

SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CT_CON_FDP_0170-2296_164_03_ENV_-ENV-04.DGN

SIGNATURE/BLOCK:

CDR Maguire
2080 Silas Deane Highway
Rocky Hill, CT 06067

PROJECT TITLE:

NEW HAVEN HARTFORD SPRINGFIELD RAIL PROGRAM
PIGEON HILL WETLAND MITIGATION SITE

TOWN: **WINDSOR**

DRAWING TITLE: **ENVIRONMENTAL SAMPLE LOCATION PLAN**

PROJECT NO. **170-3293**

DRAWING NO. **ENV-04**

SHEET NO. **04.04**

MATCH MARK SEE DRAWING NO. ENV-04

AOEC #1
(0'-4' ONLY)
(SEE ENV. NOTE)

CONSTRUCTION ENTRANCE
ANTI-TRACKING PAD

AOEC #2
(0'-7' ONLY)

GWAOEC #1

B.M. 4 Elev. 137.78
RR SPIKE IN 24" MAPLE
NAVD 88

36'
(TYP.)

30'
(TYP.)

WASTE STOCKPILE AREA
4 BINS - EACH 30'x36'
(BEDDING SAND OVER
EXISTING GROUND)

AOEC #3
(0'-4' ONLY)

LLAOEC "A"

MATCH MARK SEE DRAWING NO. ENV-03

MATCH MARK SEE DRAWING NO. ENV-03

ENVIRONMENTAL LEGEND

- AREA OF ENVIRONMENTAL CONCERN (AOEC #)
- LOW LEVEL AREA OF ENVIRONMENTAL CONCERN (LLAOEC #)
- GROUNDWATER AREA OF ENVIRONMENTAL CONCERN (GWAOEC #)

ENVIRONMENTAL NOTE:

THE CONTRACTOR SHALL EXCAVATE AND DISPOSE OF ALL MATERIAL, TO A DEPTH OF 4', FROM THE ENTIRE AREA OF ENVIRONMENTAL CONCERN #1.

AREA SHALL BE BACKFILLED WITH CLEAN MATERIAL.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 4/9/2014

DESIGNER/DRAFTER: CAD
CHECKED BY: DRS
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CT..CON..FDP..0170-2296..164...03..ENV...ENV-05.dgn

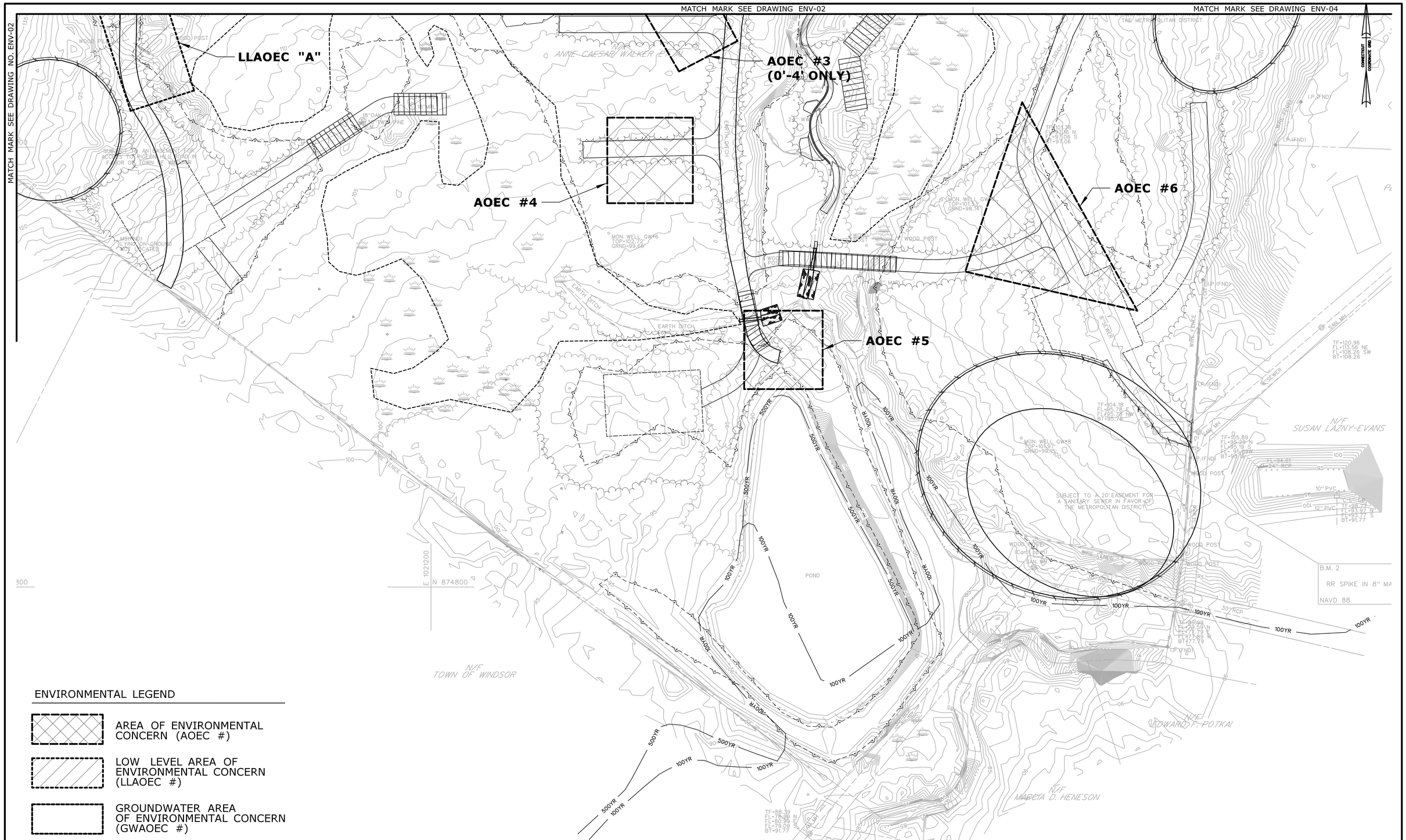
SIGNATURE/BLOCK:
CDR Maguire
2080 Silas Deane Highway
Rocky Hill, CT 06067

PROJECT TITLE:
NEW HAVEN HARTFORD SPRINGFIELD
RAIL PROGRAM
PIGEON HILL WETLAND MITIGATION SITE

TOWN: WINDSOR

DRAWING TITLE:
AREAS OF
ENVIRONMENTAL CONCERN

PROJECT NO. 170-3293
DRAWING NO. ENV-05
SHEET NO. 04.05



ENVIRONMENTAL LEGEND

- AREA OF ENVIRONMENTAL CONCERN (AOEC #)
- LOW LEVEL AREA OF ENVIRONMENTAL CONCERN (LLAOEC #)
- GROUNDWATER AREA OF ENVIRONMENTAL CONCERN (GWAOEC #)

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CT_CON_FDP_0170-2296_164_03_ENV_-ENV-06.dgn

SIGNATURE/BLOCK:
CDR Maguire
2080 Silas Deane Highway
Rocky Hill, CT 06067

PROJECT TITLE:
NEW HAVEN HARTFORD SPRINGFIELD RAIL PROGRAM
PIGEON HILL WETLAND MITIGATION SITE

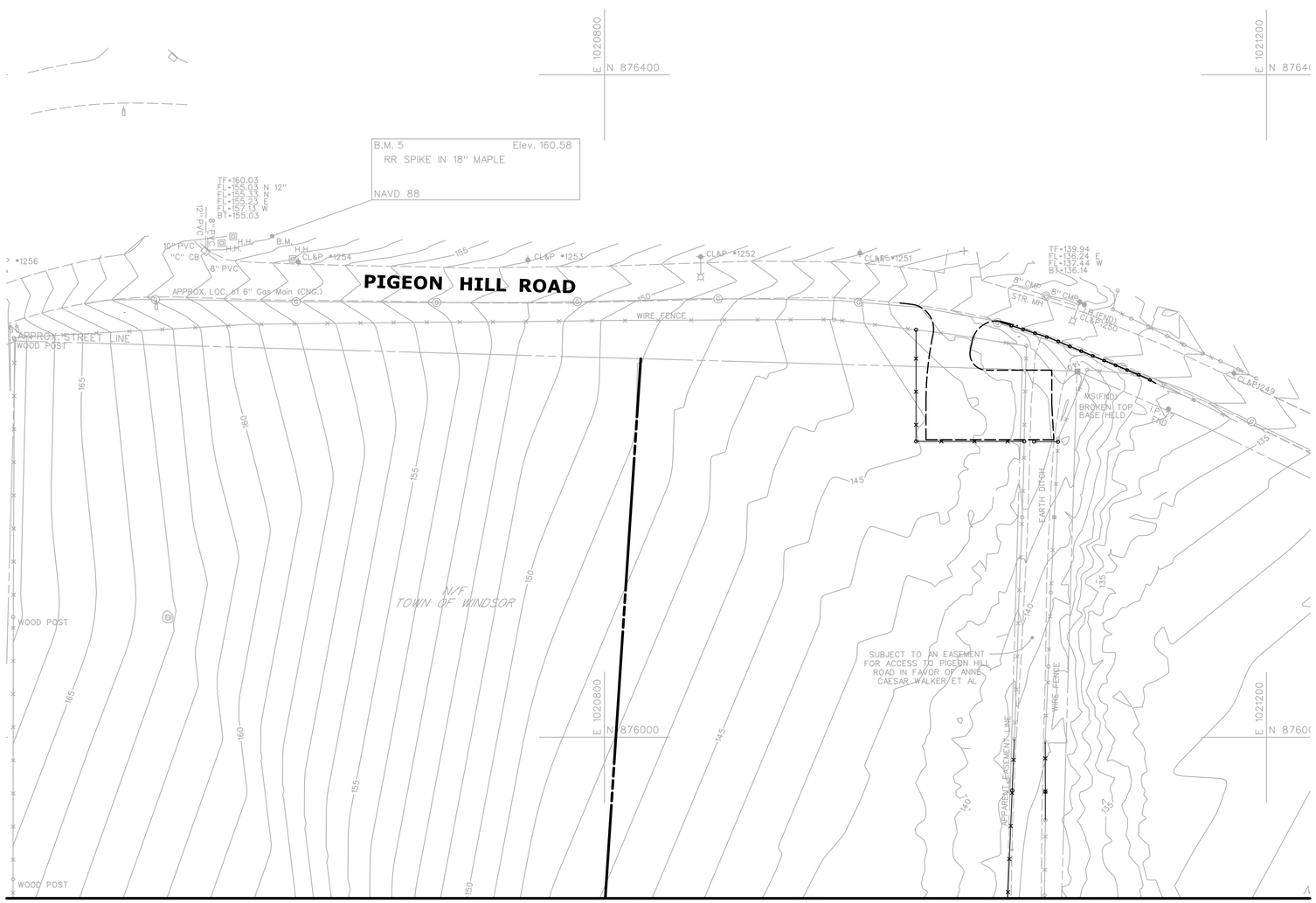
TOWN: WINDSOR

DRAWING TITLE:
AREAS OF ENVIRONMENTAL CONCERN

PROJECT NO. 170-3293
DRAWING NO. ENV-06
SHEET NO. 04.06

ENVIRONMENTAL LEGEND

- AREA OF ENVIRONMENTAL CONCERN (AOEC #)
- LOW LEVEL AREA OF ENVIRONMENTAL CONCERN (LLAOEC #)
- GROUNDWATER AREA OF ENVIRONMENTAL CONCERN (GWAOEC #)



MATCH MARK SEE DRAWING NO. ENV-02

MATCH MARK SEE DRAWING NO. ENV-03

NO AREAS OF ENVIRONMENTAL CONCERN THIS SHEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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SCALE IN FEET 0 40 80

SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CT_CON_FDP_0170-2296_164_03_ENV_-ENV-07.DGN

SIGNATURE/BLOCK:

CDR Maguire
2080 Silas Deane Highway
Rocky Hill, CT 06067

PROJECT TITLE:
NEW HAVEN HARTFORD SPRINGFIELD RAIL PROGRAM
PIGEON HILL WETLAND MITIGATION SITE

TOWN: WINDSOR

DRAWING TITLE: AREAS OF ENVIRONMENTAL CONCERN

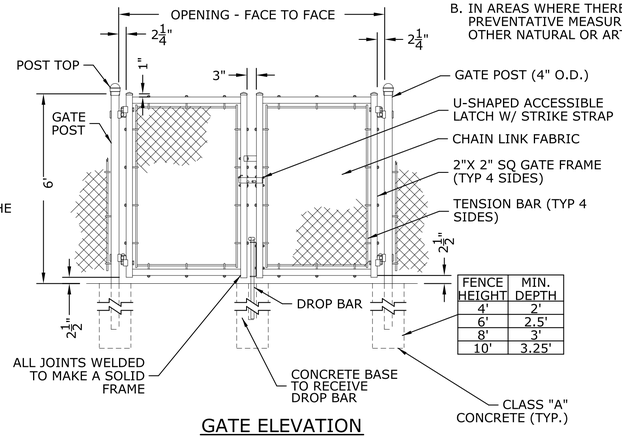
PROJECT NO. 170-3293

DRAWING NO. ENV-07

SHEET NO. 04.07

U-SHAPED ACCESSIBLE LATCH W/ STRIKE STRAP

GATE PLAN



FENCE HEIGHT	MIN. DEPTH
4'	2'
6'	2.5'
8'	3'
10'	3.25'

GATE ELEVATION

NOTES:

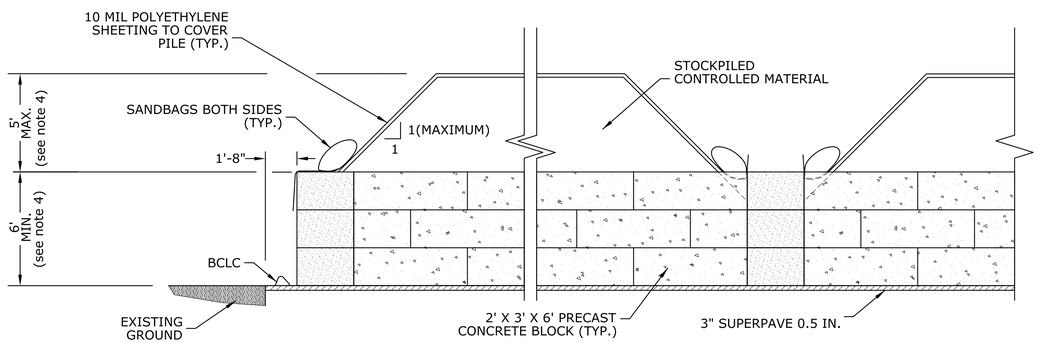
A. CHAIN LINK FENCE MAY BE UTILIZED IN RESIDENTIAL NEIGHBORHOODS TO PREVENT UNAUTHORIZED ENTRY ONTO STOCKPILES WHERE THERE IS UNLIMITED ACCESS AVAILABLE TO PEDESTRIANS AND/OR TRAFFIC.

B. IN AREAS WHERE THERE IS LIMITED ACCESS, OTHER APPROPRIATE PREVENTATIVE MEASURES MAY BE ACCOMPLISHED THROUGH THE USE OF OTHER NATURAL OR ARTIFICIAL BARRIERS.

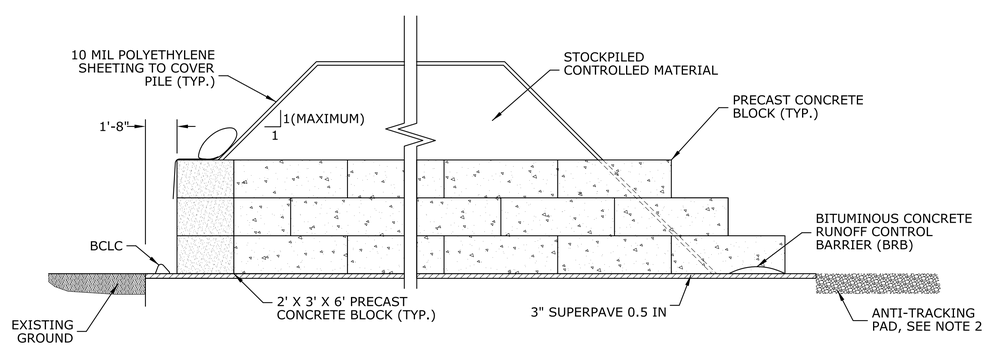
NOTE:

GATES SHOULD HAVE THE ABILITY TO SWING 180 DEGREES.

1 TYPICAL DOUBLE SWING GATES

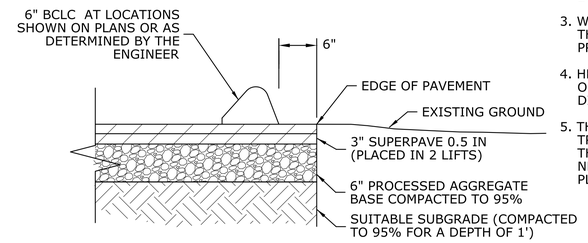


SECTION B-B



SECTION A-A

2 WASTE STOCKPILE AREA DETAIL



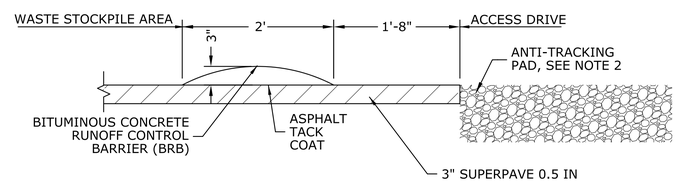
NOTE:

IF THE WSA IS TO BE LOCATED ON EXISTING PAVEMENT SUCH AS ROADWAY AND OR PARKING LOT A COMPOSITE PAVEMENT STRUCTURE WILL NOT BE REQUIRED.

3 COMPOSITE PAVEMENT STRUCTURE DETAIL

GENERAL NOTES:

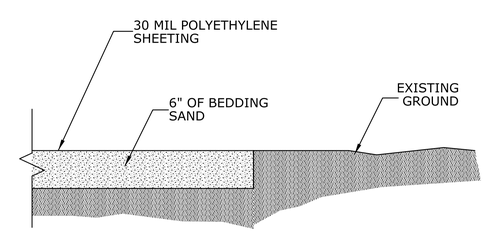
1. WSA INSTALLATION AND ALL REQUIRED MATERIALS ARE AS INDICATED ON THE WSA PLAN.
2. ANTI-TRACKING PAD SHALL BE INSTALLED AS SHOWN ON THE WSA PLAN AND IN ACCORDANCE WITH "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, 2002-SECTION 5-12."
3. WHERE FEASIBLE, A MINIMUM DISTANCE OF 5' IMMEDIATELY OUTSIDE THE PERIMETER OF THE WSA CONCRETE BLOCK WALLS SHALL REMAIN CLEAR AND FREE OF ANY OBJECT TO PROVIDE ACCESS FOR MAINTENANCE.
4. HEIGHT OF THE CONCRETE BLOCKS, STOCKPILED CONTROLLED MATERIAL AND CONFIGURATION OF THE BIN(S) MAY VARY BASED ON THE SIZE AS INDICATED ON THE WSA PLAN OR AS DIRECTED BY THE ENGINEER.
5. THE WSA SURFACE SHALL BE SUFFICIENTLY IMPERVIOUS TO PREVENT OR MINIMIZE THE TRANSFER OR INFILTRATION OF CONTAMINANTS FROM THE STOCKPILES TO THE GROUND. THE WSA SURFACE WILL VARY BASED ON PROJECT SPECIFICS AND MAY BE CONSTRUCTED ON NEW OR EXISTING PAVEMENT, BEDDING SAND, OR OTHER MATERIAL AS SHOWN ON THE WSA PLAN OR THE AREAS OF ENVIRONMENTAL CONCERN PLAN(S).



NOTE:

INSTALLATION OF BRB SHALL BE ON PAVEMENT ONLY AND IS BASED ON FIELD CONDITIONS OR AS DETERMINED BY THE ENGINEER.

4 BITUMINOUS CONCRETE RUNOFF CONTROL BARRIER (BRB) DETAIL



5 BEDDING SAND OVER EXISTING GROUND DETAIL

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 4/9/2014

DESIGNER/DRAFTER: CAD
CHECKED BY: DRS
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CT_CON_FDP_0170-2296_164__03_ENV__ENV-08.dgn

SIGNATURE/BLOCK:

CDR Maguire
2080 Silas Deane Highway
Rocky Hill, CT 06067

PROJECT TITLE:
NEW HAVEN HARTFORD SPRINGFIELD RAIL PROGRAM
PIGEON HILL WETLAND MITIGATION SITE

TOWN: WINDSOR

DRAWING TITLE: WASTE STOCKPILE AREA (WSA) DETAILS

PROJECT NO. 170-3293
DRAWING NO. ENV-08
SHEET NO. 04.08