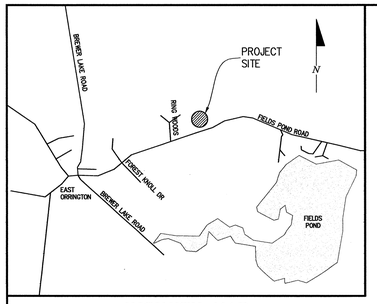


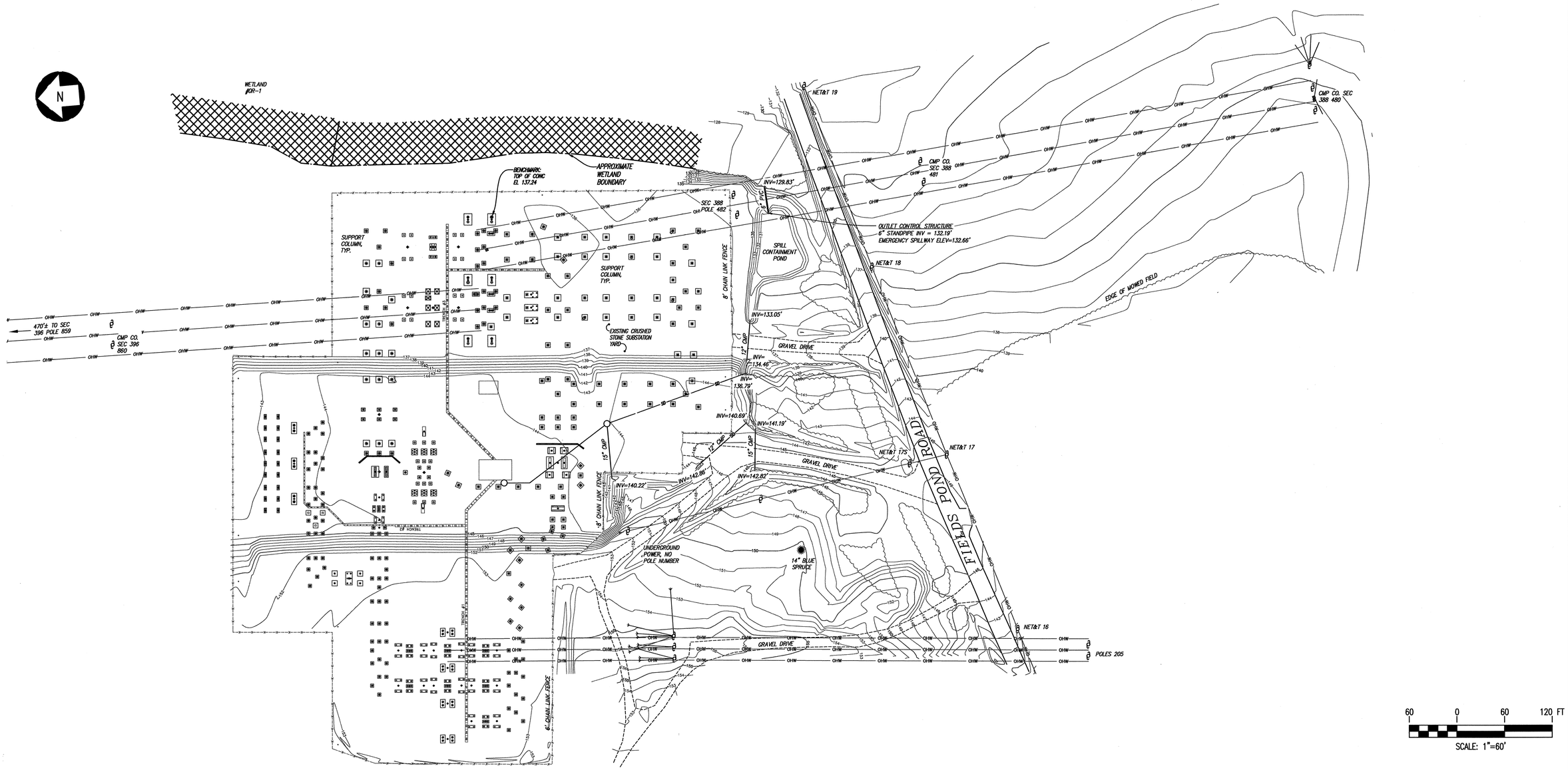
VICINITY MAP
N.T.S.

LEGEND

CMP	CORRUGATED METAL PIPE
INV:	INVERT
—SD—	STORM DRAIN
	TREE LINE
—OHW—	OVERHEAD WIRES
	UTILITY POLE
	GUY WIRE
	GRAVEL ROAD
	CHAIN LINK FENCE
	EDGE OF WOODS/BRUSH
	CONTOUR LINE
	WETLANDS

NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC INFORMATION AS SHOWN HEREIN IS THE RESULT OF AN ON-THE-GROUND FIELD SURVEY PERFORMED BY SGC ENGINEERING, LLC BETWEEN NOVEMBER 15, 2004 AND NOVEMBER 17, 2004.
2. NORTH AS SHOWN HEREIN REFERENCED TO NAD83 MAINE STATE COORDINATE SYSTEM, EAST ZONE.
3. VERTICAL INFORMATION AS SHOWN HEREIN IS REFERENCED TO NAVD 88.
4. THE LOCATIONS OF FOOTINGS AND STRUCTURES WITHIN THE FENCED SUBSTATION AREA HAVE BEEN COMPILED BASED ON DESIGN INFORMATION PROVIDED BY BANGOR HYDRO-ELECTRIC COMPANY.
6. WETLANDS AS SHOWN HAVE BEEN DELINEATED BY DEVINE TARBELL & ASSOCIATES.



PRE-DEVELOPMENT SITE PLAN

SCALE: 1"=60'

NO.	REVISION	DATE	BY	CK	P.E. STAMPED BY	P.E. No.
A	ISSUED FOR CLIENT REVIEW	1-28-05	EVD	DTB		
B	ISSUED FOR CLIENT REVIEW	2-14-05	EVD	DTB		
C	ISSUED FOR PERMIT	4-28-05	EVD	DTB		

STATE OF MAINE DANIEL T. BUTLER 6796 LICENSED PROFESSIONAL ENGINEER 4/27/05

CLIENT APPROVAL

APPROVED BY

COMPANY

DATE

DTB DESIGNED

EVD DRAWN

DTB CHECKED

APPROVED

REVIEWED

BANGOR HYDRO-ELECTRIC
NORTHEAST RELIABILITY INTERCONNECT
PRE-DEVELOPMENT SITE PLAN
ORRINGTON SUBSTATION ORRINGTON, MAINE

TRC 249 Western Avenue Augusta, Maine 04330

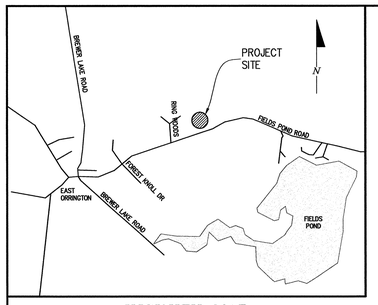
SCALE AS NOTED DATE 1-28-05

SP-1

REV. C

TRC 249 Western Ave, Augusta, Maine 04330

PROJECT NO: 10545 CONTRACT DWG NO: 10545-C6 FILENAME: 10545-C6.DWG



VICINITY MAP
N.T.S.

LEGEND

—X——X—	EXISTING CHAIN LINK FENCE	□	PROPOSED CATCH BASIN
—X——X—	NEW CHAIN LINK FENCE	◎	PROPOSED DRAIN MANHOLE
—129—	EXISTING CONTOUR LINE	433.54	EXISTING SPOT GRADE
—130—	PROPOSED CONTOUR LINE	435.00	NEW SPOT GRADE
—OHW—	EXISTING OVERHEAD WIRE		EXISTING UTILITY POLE
—OHW—	PROPOSED OVERHEAD WIRE		EXISTING GUY WIRE
	EXISTING EDGE OF PAVEMENT		EXISTING TREE LINE
	EXISTING EDGE OF GRAVEL		NEW TREE LINE
	NEW EDGE OF GRAVEL		WETLANDS
	NEW SUBSTATION CRUSHED STONE APRON		
—12" PVC—	PROPOSED STORM DRAIN LINE		
	LIMIT OF NEW YARD CONSTRUCTION		

NOTES:

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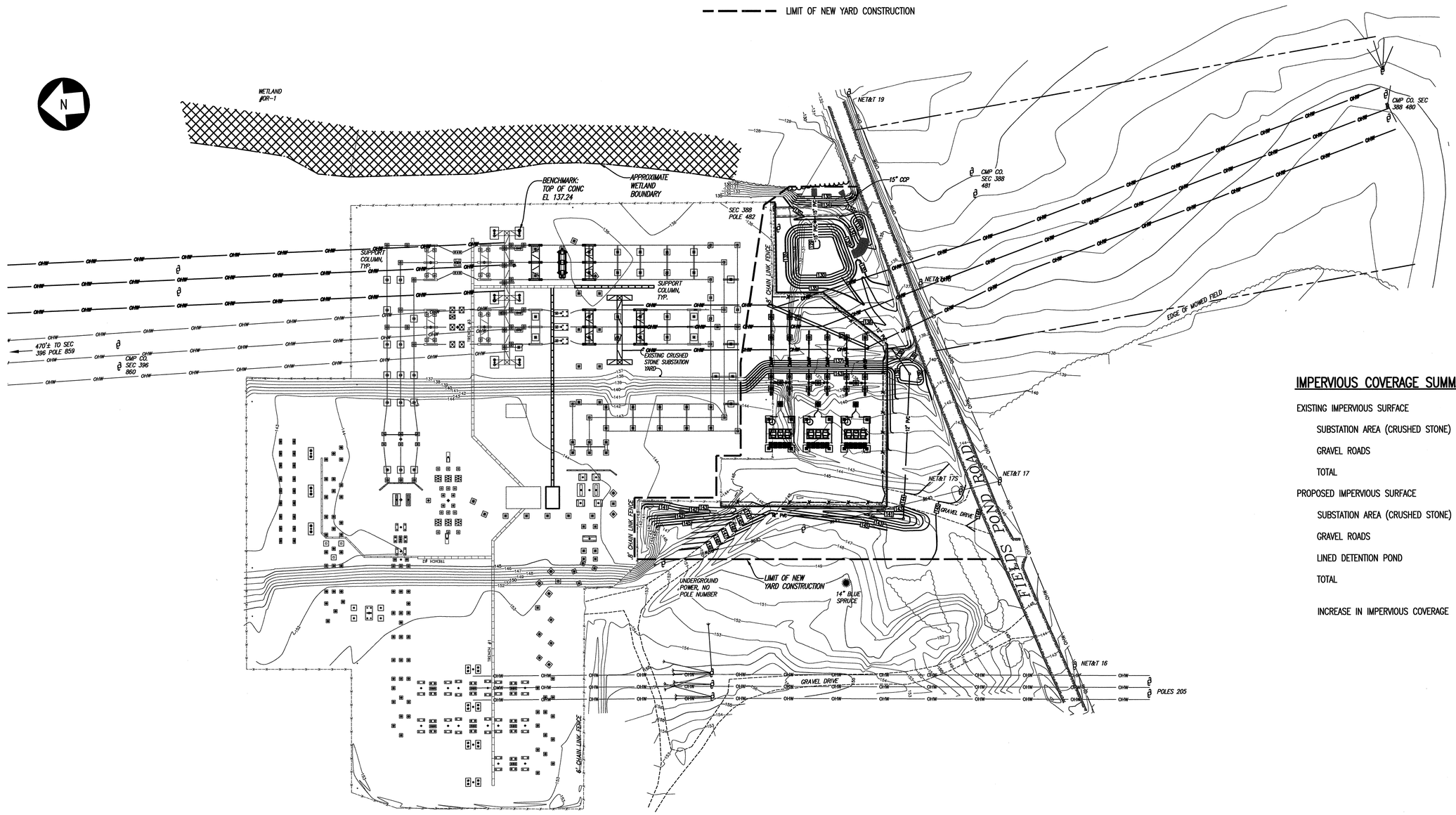

POST-DEVELOPMENT SITE PLAN

SCALE: 1"=60'

IMPERVIOUS COVERAGE SUMMARY:

EXISTING IMPERVIOUS SURFACE			
SUBSTATION AREA (CRUSHED STONE)	319,357	SQ-FT	7.33 AC
GRAVEL ROADS	22,566	SQ-FT	0.52 AC
TOTAL	341,923	SQ-FT	7.85 AC
PROPOSED IMPERVIOUS SURFACE			
SUBSTATION AREA (CRUSHED STONE)	354,512	SQ-FT	8.14 AC
GRAVEL ROADS	17,912	SQ-FT	0.41 AC
LINED DETENTION POND	4,317	SQ-FT	0.10 AC
TOTAL	372,424	SQ-FT	8.65 AC
INCREASE IN IMPERVIOUS COVERAGE	34,818	SQ-FT	0.80 AC

60 0 60 120 FT
SCALE: 1"=60'

NO.	REVISION	DATE	BY	CK	P.E. STAMPED BY	P.E. No.
A	ISSUED FOR CLIENT REVIEW	1-28-05	EVD	DTB		
B	ISSUED FOR CLIENT REVIEW	2-14-05	EVD	DTB		
C	ISSUED FOR PERMIT	4-28-05	EVD	DTB		

STATE OF MAINE DANIEL T. BUTLER 6796 REGISTERED PROFESSIONAL ENGINEER
4/27/05

CLIENT APPROVAL
APPROVED BY
COMPANY
DATE

DTB DESIGNED
EVD DRAWN
DTB CHECKED
APPROVED
REVIEWED

BANGOR HYDRO-ELECTRIC
NORTHEAST RELIABILITY INTERCONNECT
POST-DEVELOPMENT SITE PLAN
ORRINGTON SUBSTATION ORRINGTON, MAINE

TRC 249 Western Avenue Augusta, Maine 04330
SCALE AS NOTED DATE 1-28-05
SP-2
REV. C

TRC 249 Western Ave, Augusta, Maine 04330
PROJECT NO: 10545 CONTRACT DWG NO: 10545-C7 FILENAME: 10545-C7.DWG