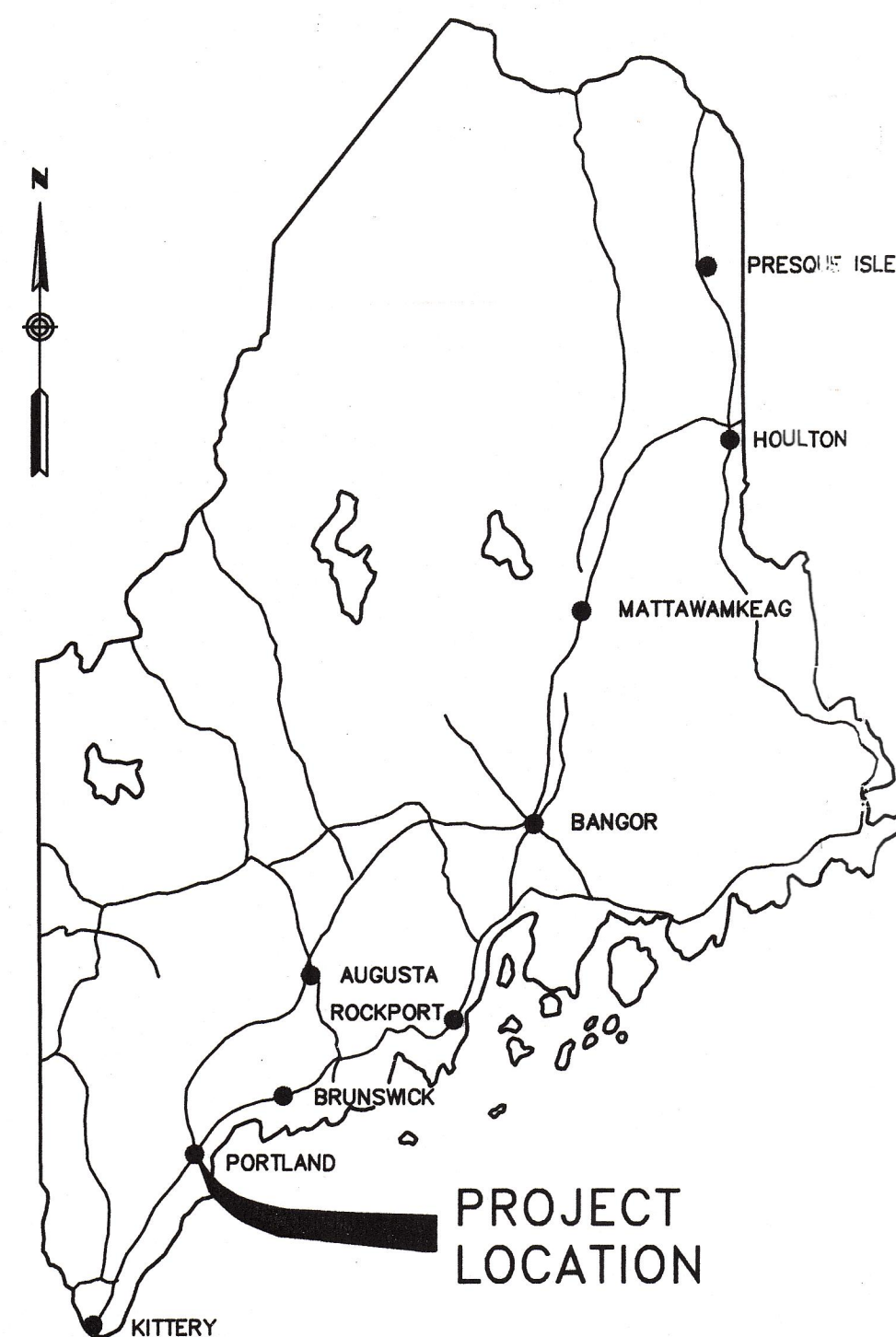


Approved  
Site Plan  
6/21/00  
per: STEPH HOPKINS

# CAD-CAM ASSOCIATES PORTLAND, MAINE

## PARKING LOT ADDITION 41 HUTCHINS DRIVE PORTLAND, MAINE

JUNE 2000



OWNER APPLICANT

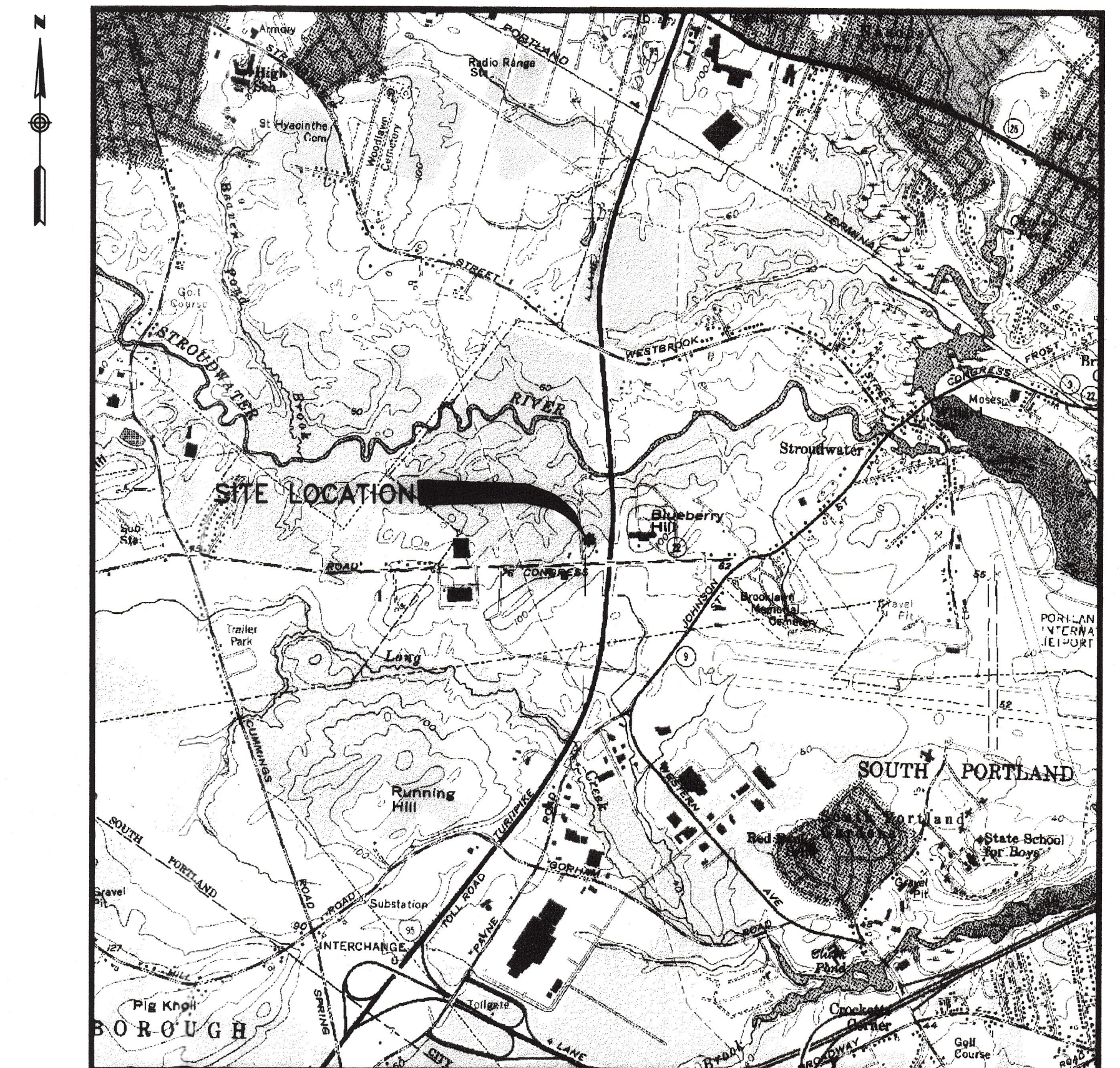
CAD-CAM ASSOCIATES  
41 HUTCHINS DRIVE  
PORTLAND, MAINE 04102

SITE DATA

PARCEL SIZE 6.65 ACRES  
ZONE I-1 INDUSTRIAL  
BUILDING FOOTPRINT 12,926 SF  
GROSS FLOOR AREA 33,651 SF

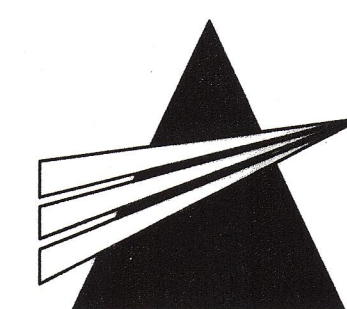
I-1 INDUSTRIAL ZONE

	REQUIRED	EXISTING	PROPOSED
MINIMUM FRONT YARD SETBACK	25'	163'	N/A
MINIMUM SIDE YARD SETBACK	25'	425' (N) 185' (S)	N/A
MINIMUM REAR YARD SETBACK	25'	50'	N/A
LOADING	NONE	NONE	NONE
PARKING	84	86	32 (ADD'L)



SOURCE: U.S.G.S. QUADRANGLE, PORTLAND WEST, ME, 1956  
PHOTOREVISED 1978, 15 MINUTE SERIES

**SITE LOCATION**  
SCALE: 1:2000



**WOODARD & CURRAN**  
Engineering • Science • Operations

**LEGEND**

DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION (BLOCK NAME)	EXISTING	PROPOSED
SANITARY SEWER MANHOLE	○	●	CONTOUR (1' OR 2' INTERVAL)	-----122-----	-----122-----
SANITARY SEWER SERVICE CLEANOUT	○ <sup>oo</sup>	○ <sup>oo</sup> ●	CONTOUR (INDEX)	-----120-----	-----120-----
STORM DRAIN MANHOLE	○	●	SANITARY SEWER	-----S-----	-----S-----
CATCH BASIN	⊞	⊞	FORCE MAIN	-----FM-----	-----FM-----
TELECOMM MANHOLE	○	●	STORM DRAIN	-----SD-----	-----SD-----
TELECOMM SERVICE BOX	⊞	⊞	UNDERDRAIN	-----UD-----	-----UD-----
ELECTRIC MANHOLE	○	●	WATER MAIN	-----W-----	-----W-----
TRANSFORMER	⊞	⊞	UNDERGROUND ELECTRIC	-----E-----	-----E-----
UTILITY POLE W/GUY	⊞	⊞	UNDERGROUND TELEPHONE	-----T-----	-----T-----
UTILITY POLE	⊞	⊞	UNDERGROUND COMMUNICATIONS	-----COMM-----	-----COMM-----
LIGHTPOST	⊞	⊞	GAS LINE	-----G-----	-----G-----
GAS METER BOX	⊞	⊞	OVERHEAD ELECTRIC	-----OE-----	-----OE-----
GAS VENT	⊞	⊞	ABANDONED SEWER	-----AS-----	-----AS-----
GAS GATE	⊞	⊞	ABANDONED WATER MAIN	-----AW-----	-----AW-----
WATER GATE	⊞	⊞	CULVERT	-----C-----	-----C-----
CURB STOP	⊞	⊞	HOUSE SERVICE / LATERAL	INV. IN. EL. XXX.XX -----S----- INV. OUT. EL. XXX.XX	INV. IN. EL. XXX.XX -----S----- INV. OUT. EL. XXX.XX
HYDRANT	⊞	⊞	PROPERTY LINE	-----P-----	-----P-----
WATER WELL	⊞	⊞	RIGHT OF WAY	-----R/W-----	-----R/W-----
WATER METER BOX	⊞	⊞	EASEMENT	-----E-----	-----E-----
SIGN	⊞	⊞	EDGE OF VEGETATION	-----V-----	-----V-----
MAILBOX	⊞	⊞	FENCE	-----F-----	-----F-----
FLAGPOLE	⊞	⊞	CENTERLINE	-----C-----	-----C-----
WETLAND	⊞	⊞	RETAINING WALL	-----R-----	-----R-----
CONIFEROUS TREE	⊞	⊞	STONEWALL	-----S-----	-----S-----
DECIDUOUS TREE	⊞	⊞	CURB	-----C-----	-----C-----
STONE CHECK DAM	⊞	⊞	EDGE OF PAVEMENT	-----P-----	-----P-----
SURVEY STATION	⊞	⊞	EDGE OF GRAVEL	-----G-----	-----G-----
IRON PIN	⊞	⊞	GUARDRAIL	-----G-----	-----G-----
MONUMENTS	⊞	⊞	RAILROAD TRACKS	-----R-----	-----R-----
SPOT ELEVATION	⊞	⊞	DRAINAGE DITCH / SWALE	-----D-----	-----D-----
TEST PIT & NUMBER	⊞	⊞			
BORING & NUMBER	⊞	⊞			
SURFACE WATER MONITORING LOC.	⊞	⊞			
MONITORING WELL	⊞	⊞			
PIEZOMETER	⊞	⊞			

**GENERAL NOTES**


- TOPOGRAPHIC AND UTILITY SURVEY DATA PROVIDED BY ROYAL RIVER SURVEY, YARMOUTH, ME., FROM FIELD SURVEY DATED FEBRUARY 2000.
- SUBSURFACE EXPLORATION PERFORMED BY WOODARD & CURRAN, PORTLAND, ME., FROM FIELD SURVEY DATED JUNE 1995.
- WETLAND DELINEATIONS COMPLETED BY WOODLOT ALTERNATIVES, INC., TOPSHAM, MAINE.
- TEMPORARY BENCH MARKS (TBM'S) ARE SPIKES DRIVEN INTO THE BASE OF POWER POLES AS SHOWN ON PLANS.
- THE UTILITY LOCATIONS SHOWN ON THE PLAN ARE APPROXIMATE AND REQUIRE FIELD VERIFICATION BY THE CONTRACTOR PRIOR TO CONSTRUCTION ACTIVITY. UTILITIES SHOWN HAVE BEEN FIELD LOCATED.
- CLEAN AND/OR FLUSH ALL PIPING AFTER THE WORK HAS BEEN COMPLETED. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.
- COORDINATE CONSTRUCTION ACTIVITY WITH UTILITY COMPANIES, EMERGENCY SERVICES, AND CITY OF PORTLAND. NOTIFY UTILITY COMPANIES WITHIN 48 HOURS OF WORK ACTIVITY ADJACENT TO THOSE UTILITIES.
- RESTORE ALL AREA DISTURBED BY CONTRACTOR'S OPERATIONS TO ORIGINAL FINISH (GRAVEL, PAVEMENT, GRASS, ETC.) UNLESS OTHERWISE NOTED ON PLANS. RESTORATION OF ROADWAY SURFACES AND LAWNS DAMAGED BY CONTRACTOR SHALL BE INCIDENTAL TO THE PROJECT.
- PROPERLY PROTECT AND DO NOT DISTURB PROPERTY IRONS AND MONUMENTS. IF DISTURBED, THE PROPERTY MONUMENT SHALL BE RESET AT THE CONTRACTOR'S EXPENSE, BY A REGISTERED LAND SURVEYOR APPROVED BY THE ENGINEER.

**ABBREVIATIONS**

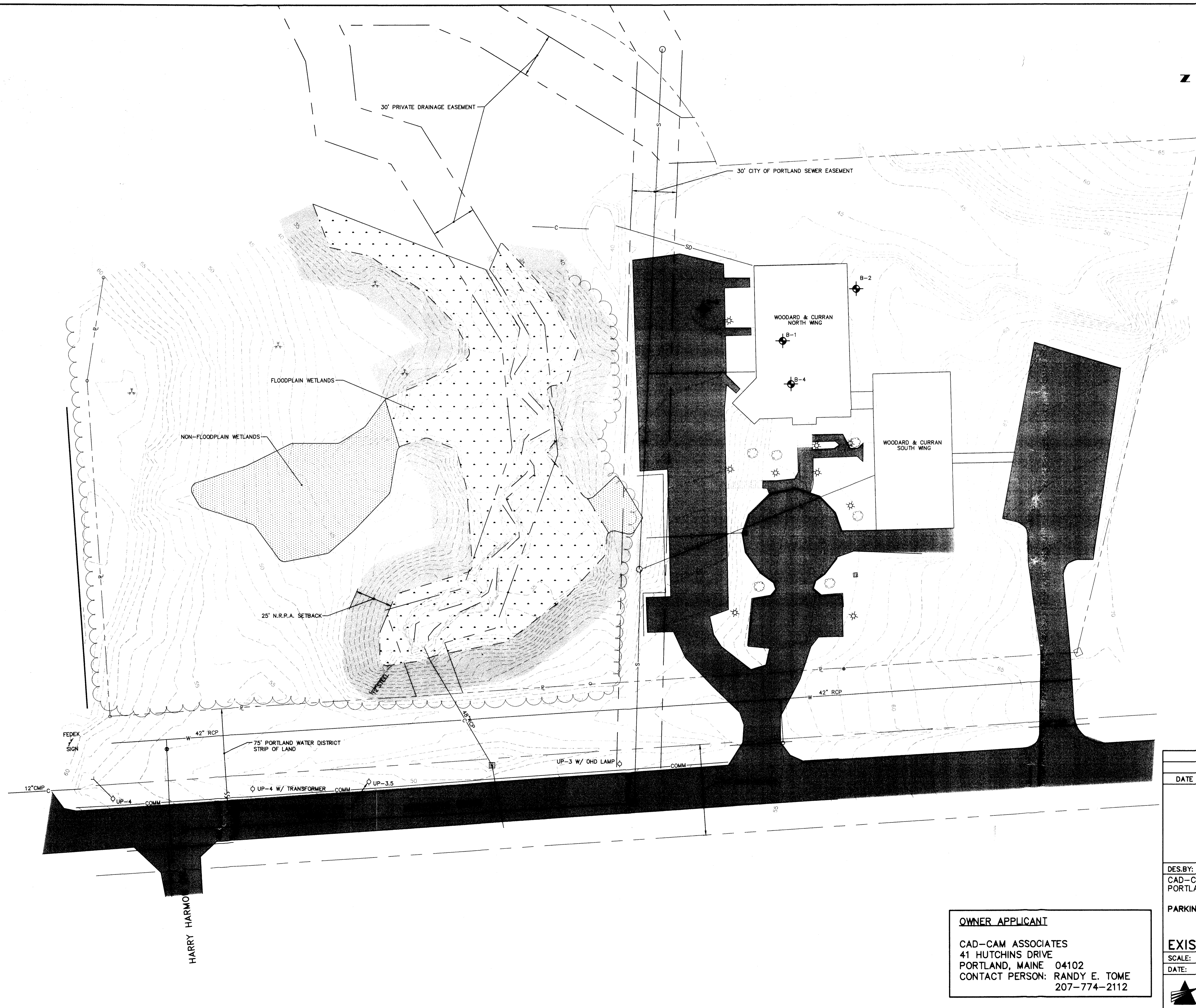
&	AND	NET	NEW ENGLAND TELEPHONE
A.G.	ABOVE GROUND	NO.	NUMBER
ADS	ADVANCED DRAINAGE SYSTEM	NR	NO REFUSAL
ALUM.	ALUMINUM	N.T.S.	NOT TO SCALE
B	BORING	O.C.E.W.	ON CENTER EACH WAY
BIT.	BITUMINOUS	O.D.	OUTSIDE DIAMETER
BK	BOOK	OH	OVERHEAD
BM	BENCHMARK	±	PLUS OR MINUS
CK.	CHECKED	PLS	PROFESSIONAL LAND SURVEYOR
CMP	CENTRAL MAINE POWER	PSI	PER SQUARE INCH
CONC	CONCRETE	PSIG	PER SQUARE INCH GAUGE PRESSURE
D.I.	DUCTILE IRON	PVC	POLYVINYL CHLORIDE
DES.	DESIGNED	R.O.W.	RIGHT-OF-WAY
DIA.	DIAMETER	R/W	RIGHT-OF-WAY
DR.	DRAWN	RCP	REINFORCED CONCRETE PIPE
E	EAST	REINF.	REINFORCED
EL.	ELEVATION	REQ'D	REQUIRED
ELEC.	ELECTRICAL	RET	RETAINING
EMBED.	EMBEDDMENT	RLS	REGISTERED LAND SURVEYOR
EX.	EXISTING	RT	ROUTE
FF	FINISH FLOOR	RTE	ROUTE
FIN.	FINISH	S	SLOPE
FL	FLOOR	S.S.	STAINLESS STEEL
FT	FOOT/FEET	SCH	SCHEDULE
GALV.	GALVANIZED	SDR	STANDARD DIMENSION RATIO
GRND	GROUND	STA.	STATION
H	HEIGHT	TYP.	TYPICAL
HWY	HIGHWAY	UC	UNDERGROUND CABLE
IN	INCH	W	WEST
INV.	INVERT	W	WITH
LF	LINEAR FEET	WV	WATER VALVE
MAX.	MAXIMUM		
MDOT	MAINE DEPARTMENT OF TRANSPORTATION		
MH	MANHOLE		
MIN.	MINIMUM		
MJ	MECHANICAL JOINT		
MON	MONUMENT		
MPH	MILES PER HOUR		

**SHEET INDEX**

- G-1 COVER SHEET
- G-2 ABBREVIATIONS, NOTES, LEGEND, AND SHEET INDEX
- C-1 EXISTING SITE PLAN
- C-2 LAYOUT PLAN
- C-3 GRADING AND UTILITIES PLAN
- C-4 EROSION AND SEDIMENTATION CONTROL, AND CIVIL DETAILS NO. 1
- C-5 CIVIL DETAILS NO. 2
- C-6 PHOTOMETRIC PLAN BOUNDARY SURVEY

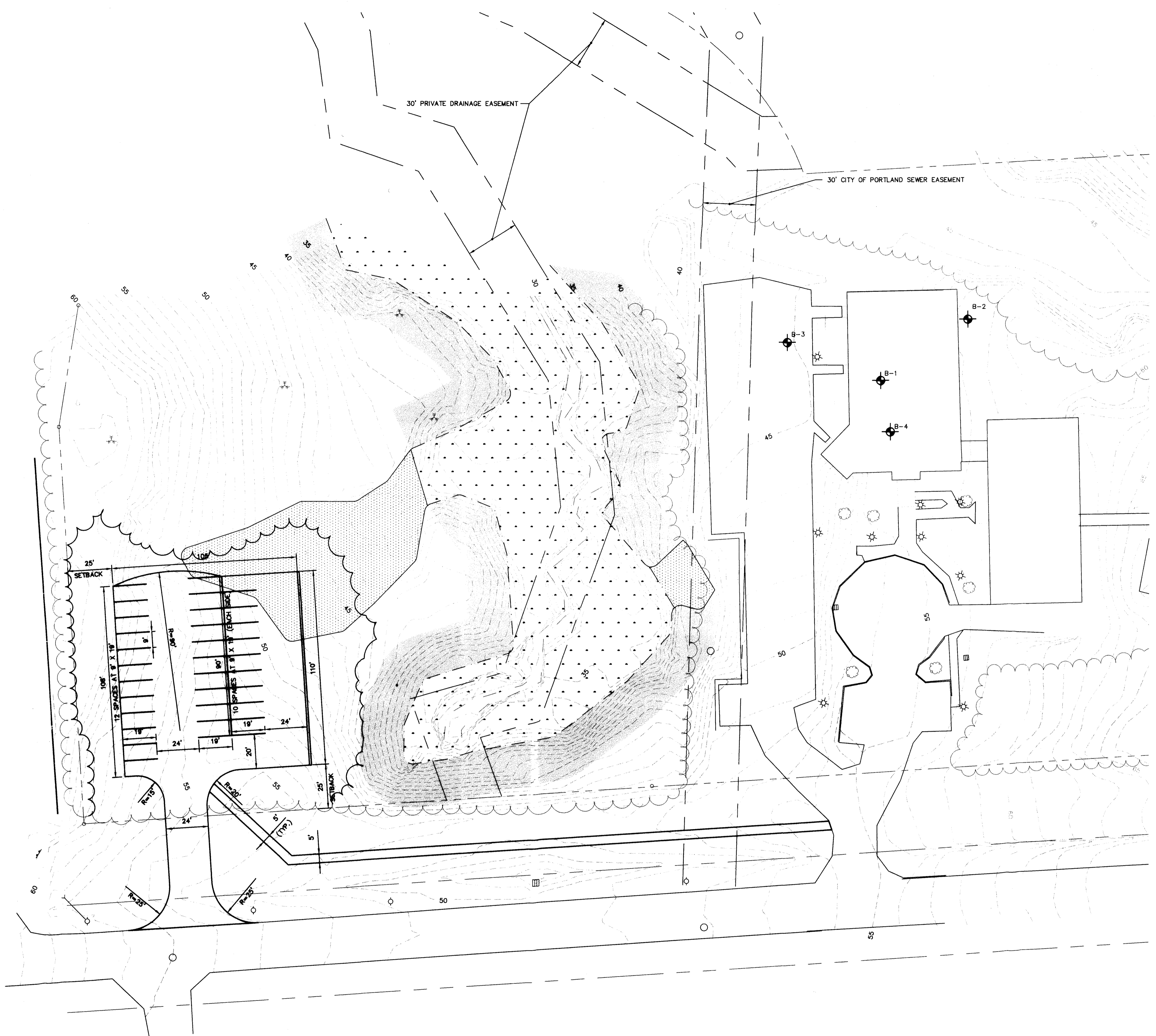
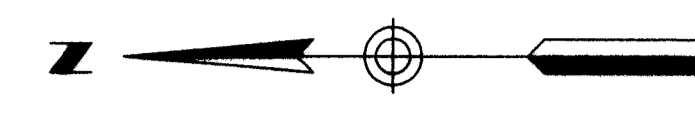
DATE	ADDITION OR REVISION
DES.BY: BSS	DR.BY: BSS CK.BY: RET
CAD-CAM ASSOCIATES PORTLAND, MAINE	
PARKING LOT ADDITION	
<b>ABBREVIATIONS, NOTES, LEGEND, AND SHEET INDEX</b>	
SCALE: NTS	JOB NO.: 990047.01
DATE: JUNE 2000	SHEET: G-02 990047-G2
 <b>WOODARD &amp; CURRAN</b> Engineering · Science · Operations	

**OWNER APPLICANT**  
 CAD-CAM ASSOCIATES  
 41 HUTCHINS DRIVE  
 PORTLAND, MAINE 04102  
 CONTACT PERSON: RANDY E. TOME  
 207-774-2112



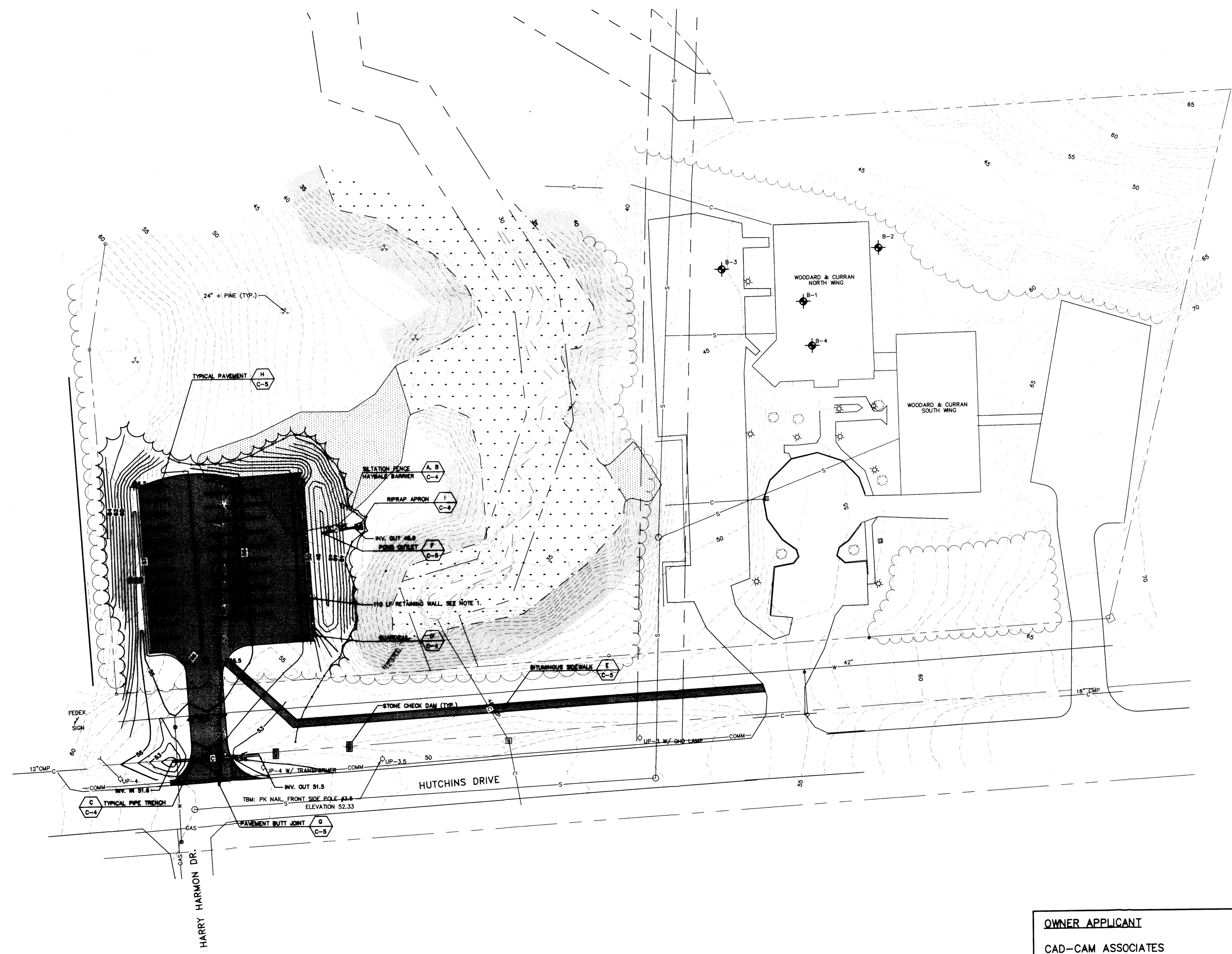
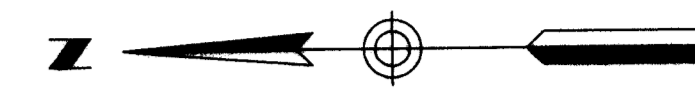
DATE	ADDITION OR REVISION
DES. BY: BSS	DR. BY: BSS CK. BY: RET
CAD-CAM ASSOCIATES PORTLAND, MAINE	
PARKING LOT ADDITION	
<b>EXISTING SITE PLAN</b>	
SCALE: 1"=30'	JOB NO.: 990047.01
DATE: JUNE 2000	SHEET: C-01 990047-C1
<b>WOODARD &amp; CURRAN</b> Engineering • Science • Operations	

**OWNER APPLICANT**  
 CAD-CAM ASSOCIATES  
 41 HUTCHINS DRIVE  
 PORTLAND, MAINE 04102  
 CONTACT PERSON: RANDY E. TOME  
 207-774-2112



**OWNER APPLICANT**  
 CAD-CAM ASSOCIATES  
 41 HUTCHINS DRIVE  
 PORTLAND, MAINE 04102  
 CONTACT PERSON: RANDY E. TOME  
 207-774-2112

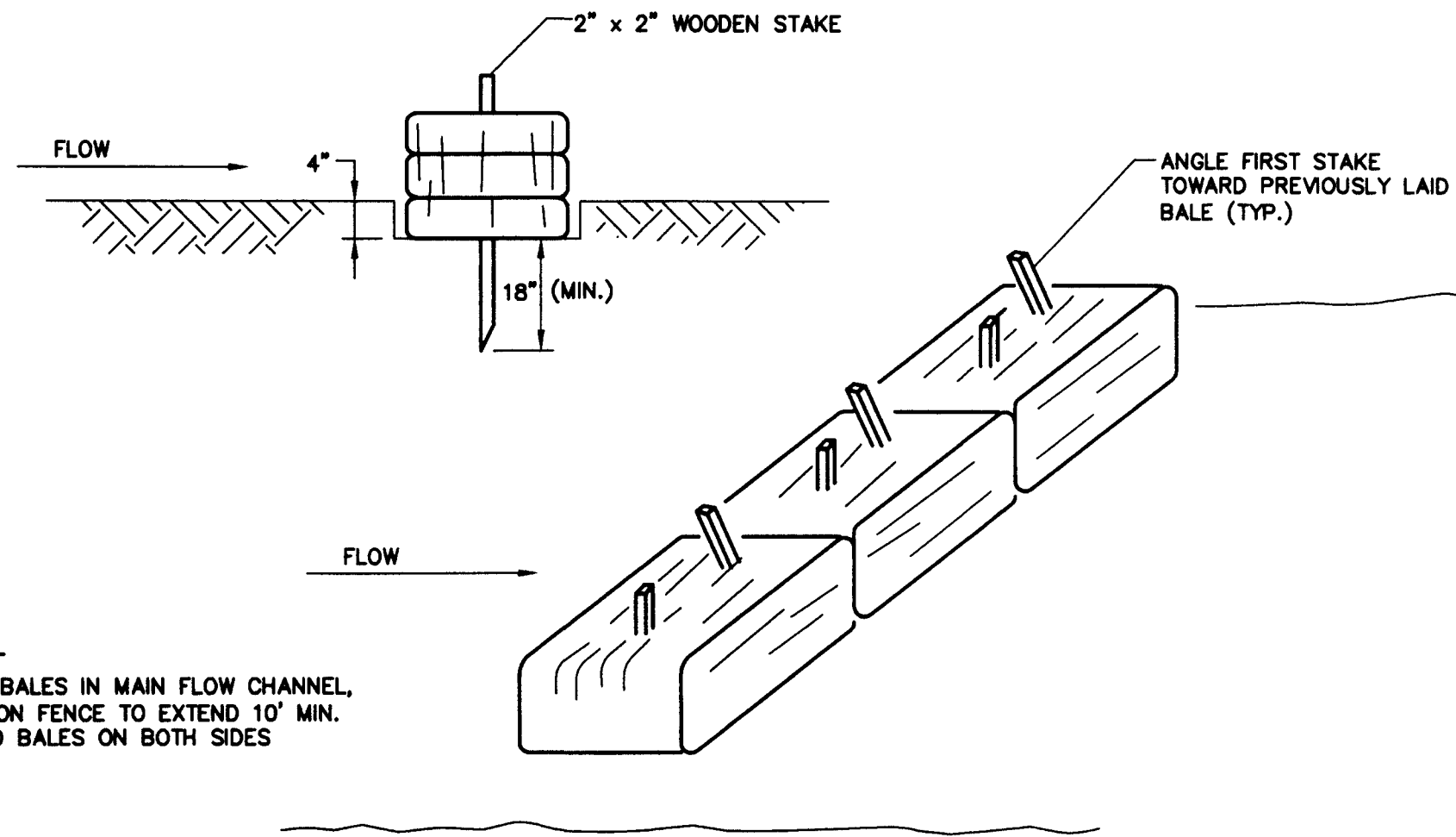
DATE	ADDITION OR REVISION		
DES.BY:	BSS	DR.BY:	BSS
CK.BY:	RET		
CAD-CAM ASSOCIATES PORTLAND, MAINE			
PARKING LOT ADDITION			
<b>LAYOUT AND PAVEMENT MARKING PLAN</b>			
SCALE:	1"=30'	JOB NO.:	990047.01
DATE:	JUNE 2000	SHEET:	C-02 990047-C2
<b>WOODARD &amp; CURRAN</b> Engineering · Science · Operations			



0: 990047 46c: site parking\wp\Site Plan Submittal\990047-C3.dwg Fri Jun 02 12:47:32 2000

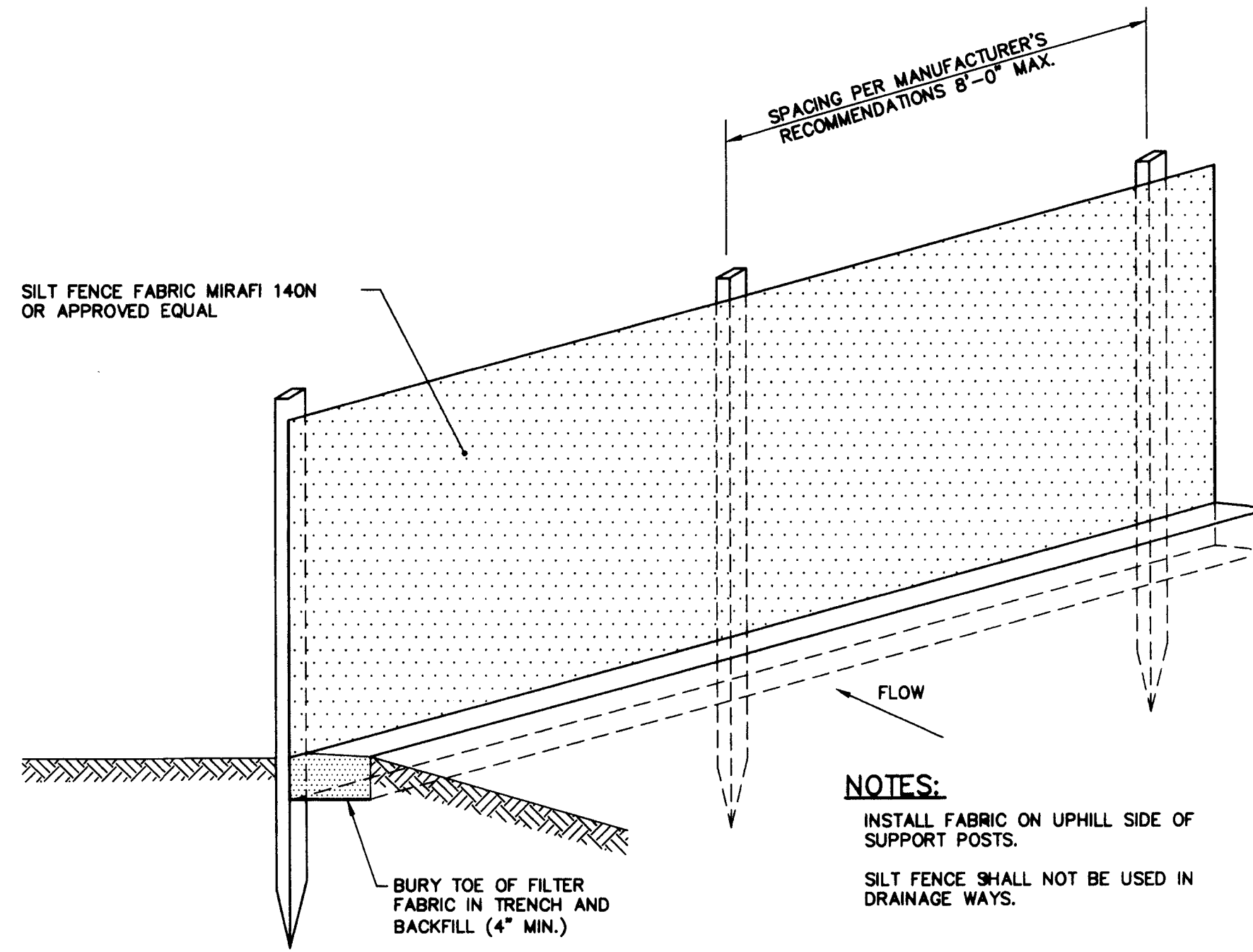
**OWNER APPLICANT**  
 CAD-CAM ASSOCIATES  
 41 HUTCHINS DRIVE  
 PORTLAND, MAINE 04102  
 CONTACT PERSON: RANDY E. TOME  
 207-774-2112

DATE		ADDITION OR REVISION	
DES.BY:	BSS	DR.BY:	BSS
		CK.BY:	RET
CAD-CAM ASSOCIATES PORTLAND, MAINE			
PARKING LOT ADDITION			
<b>GRADING AND UTILITIES PLAN</b>			
SCALE:	1"=30'	JOB NO.:	990047.01
DATE:	JUNE 2000	SHEET:	C-03 990047-C3
<b>WOODARD &amp; CURRAN</b> Engineering · Science · Operations			



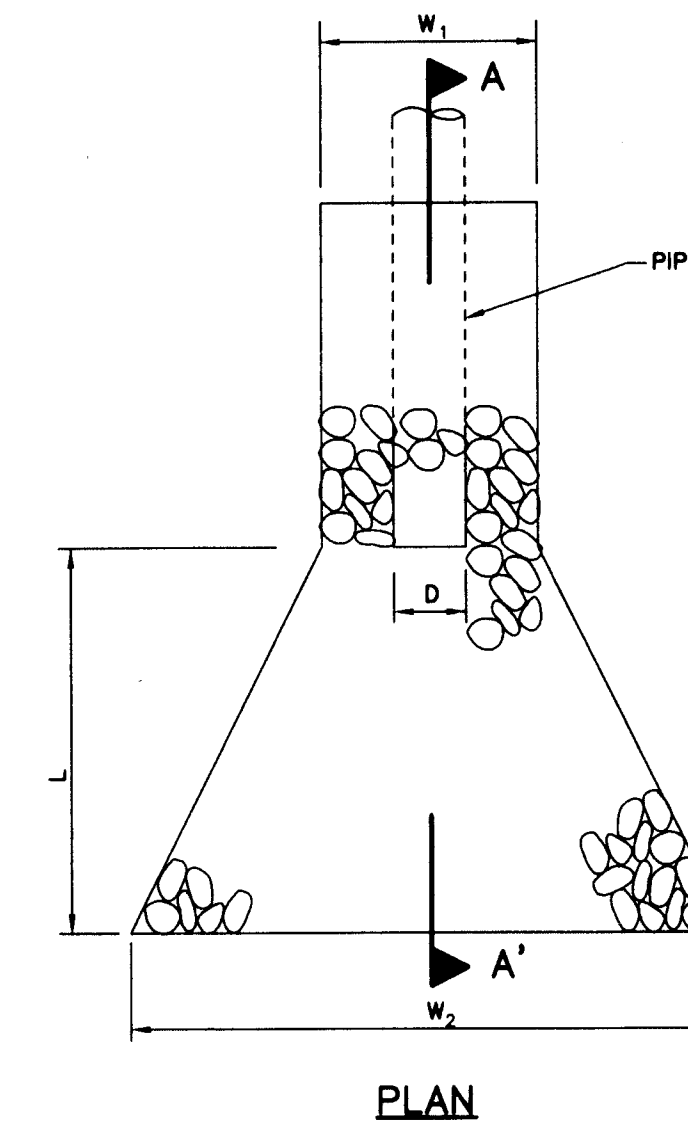
**NOTE:**  
 \* PLACE BALES IN MAIN FLOW CHANNEL, SILTATION FENCE TO EXTEND 10' MIN. BEYOND BALES ON BOTH SIDES

**A HAYBALE BARRIER**  
 C-3 N.T.S.

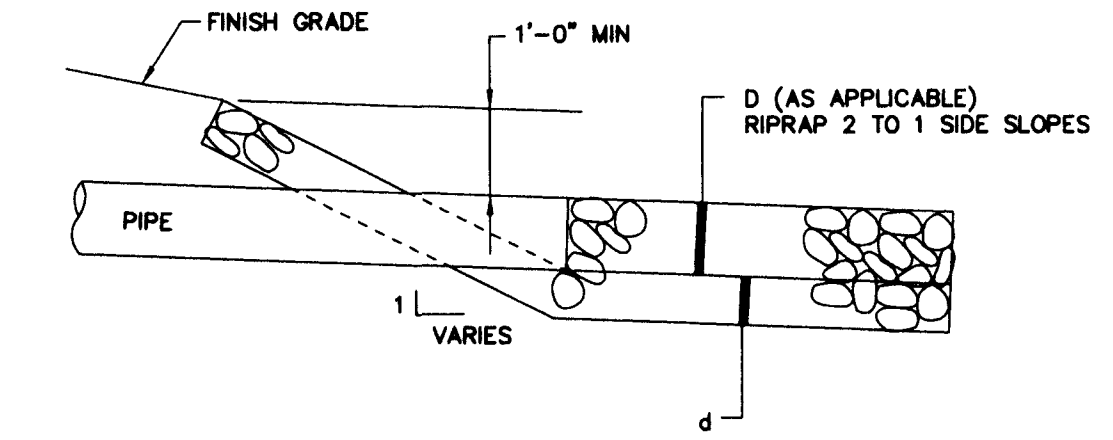


**NOTES:**  
 INSTALL FABRIC ON UPHILL SIDE OF SUPPORT POSTS.  
 SILT FENCE SHALL NOT BE USED IN DRAINAGE WAYS.

**B SILTATION FENCE**  
 C-3 N.T.S.

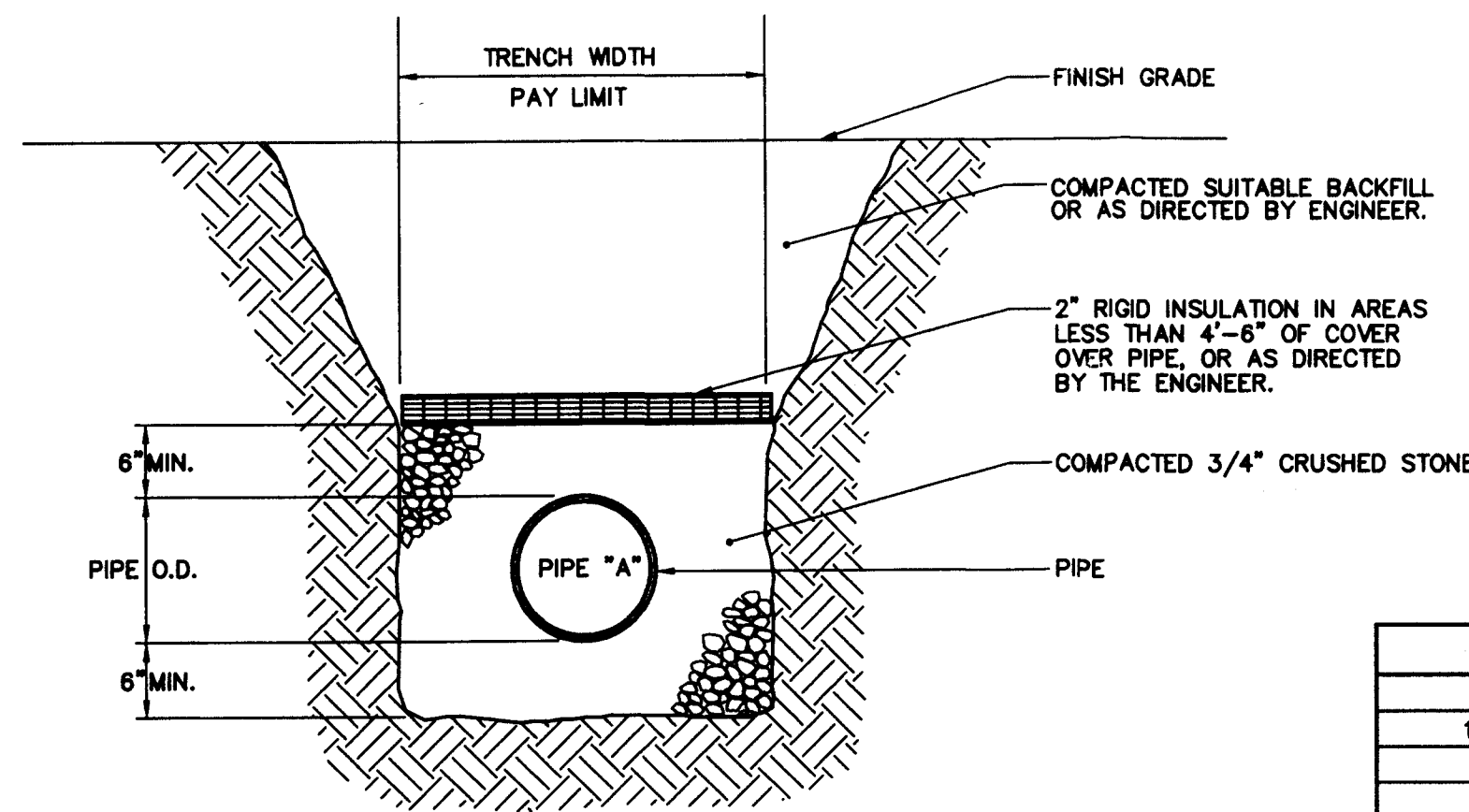


PIPE DIA.	WIDTH		LENGTH	RIPRAP	DEPTH
D	W <sub>1</sub>	W <sub>2</sub>	L	D <sub>50</sub>	d
12"	36"	13'-0"	10'	4"	9"
15"	45"	14'-0"	14'	6"	13.5"



**SECTION A-A'**

**I RIPRAP APRON**  
 C-3 N.T.S.

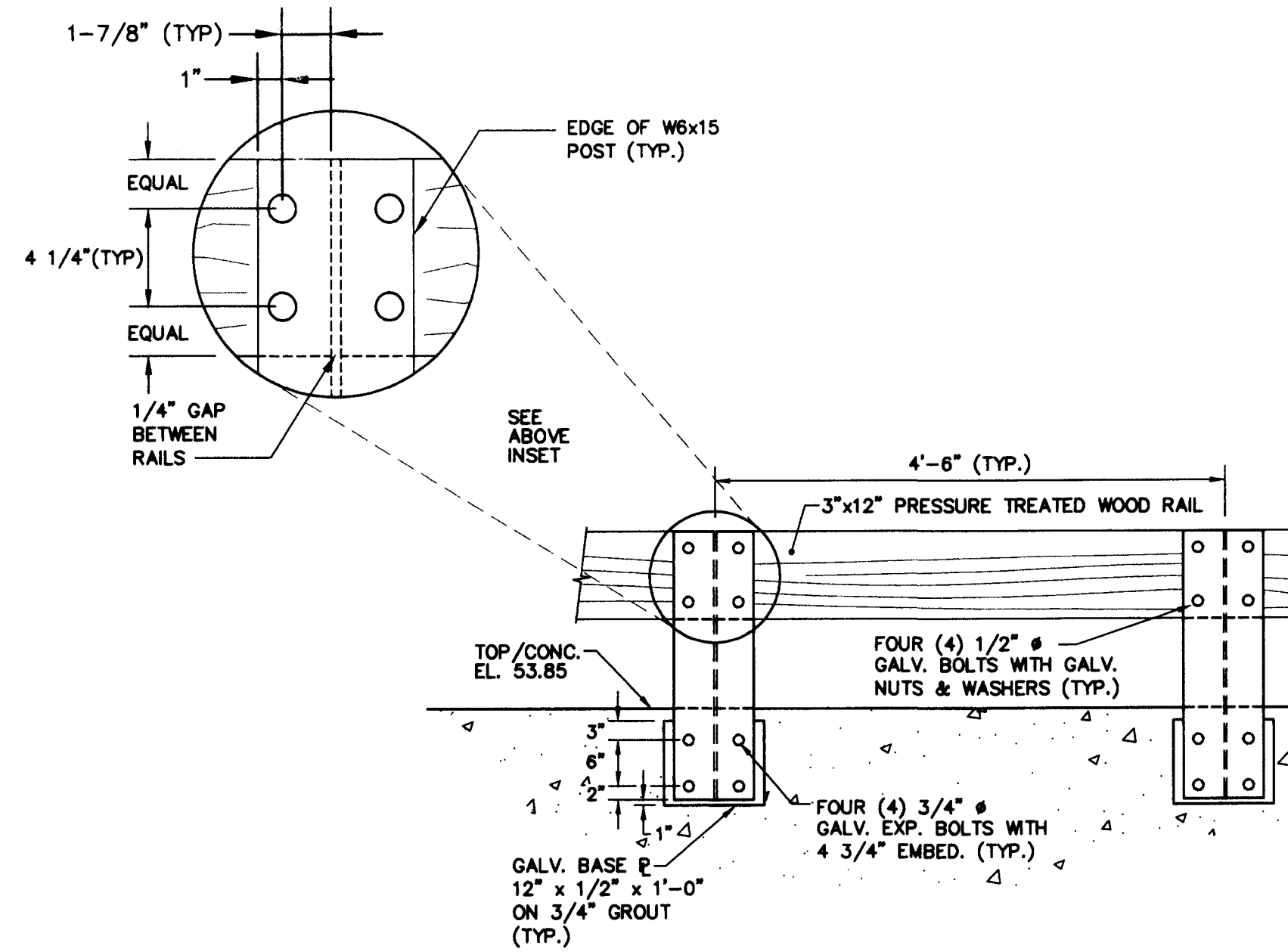


**NOTES:**  
 • MAINTAIN UNIFORM TRENCH WIDTH TO 6" OVER PIPE.  
 • SEE TRENCH WIDTH PAY LIMITS TABLE  
 • SEE PAVEMENT DETAILS FOR ROAD WORK AREAS.  
 • PROVIDE 6" MIN. BEDDING SHOWN IS FOR AREAS OF EXCAVATION IN ROCK.

TRENCH WIDTHS (a)	
PIPE SIZE	MAX. (ONE PIPE) (b)
15" OR LESS	4'-0"
18"	5'-0"
24"	5'-8"
30"	6'-0"
36"	6'-6"
42"	7'-0"
48"	7'-6"
MANHOLES	O.D. + 4'-0"

a. REPRESENTS PAYMENT WIDTH  
 b. FOR ROCK EXCAVATION SUBTRACT 1'-0"

**C TYPICAL PIPE TRENCH**  
 C-3 N.T.S.



**GUARDRAIL NOTES:**  
 1. ALL POST SPACING SHALL BE 4'-6" UNLESS OTHERWISE DIRECTED BY ENGINEER.  
 2. ALL HOLES IN POSTS SHALL BE SHOP-PUNCHED BEFORE GALVANIZING.  
 3. ALL POSTS AND HARDWARE SHALL BE GALVANIZED STEEL.  
 4. ALL RAIL LUMBER SHALL BE PRESSURE-TREATED SOUTHERN PINE, NO. 2 GRADE OR BETTER.

**D GUARDRAIL**  
 C-3 N.T.S.

**OWNER APPLICANT**  
 CAD-CAM ASSOCIATES  
 41 HUTCHINS DRIVE  
 PORTLAND, MAINE 04102  
 CONTACT PERSON: RANDY E. TOME  
 207-774-2112

DATE	ADDITION OR REVISION

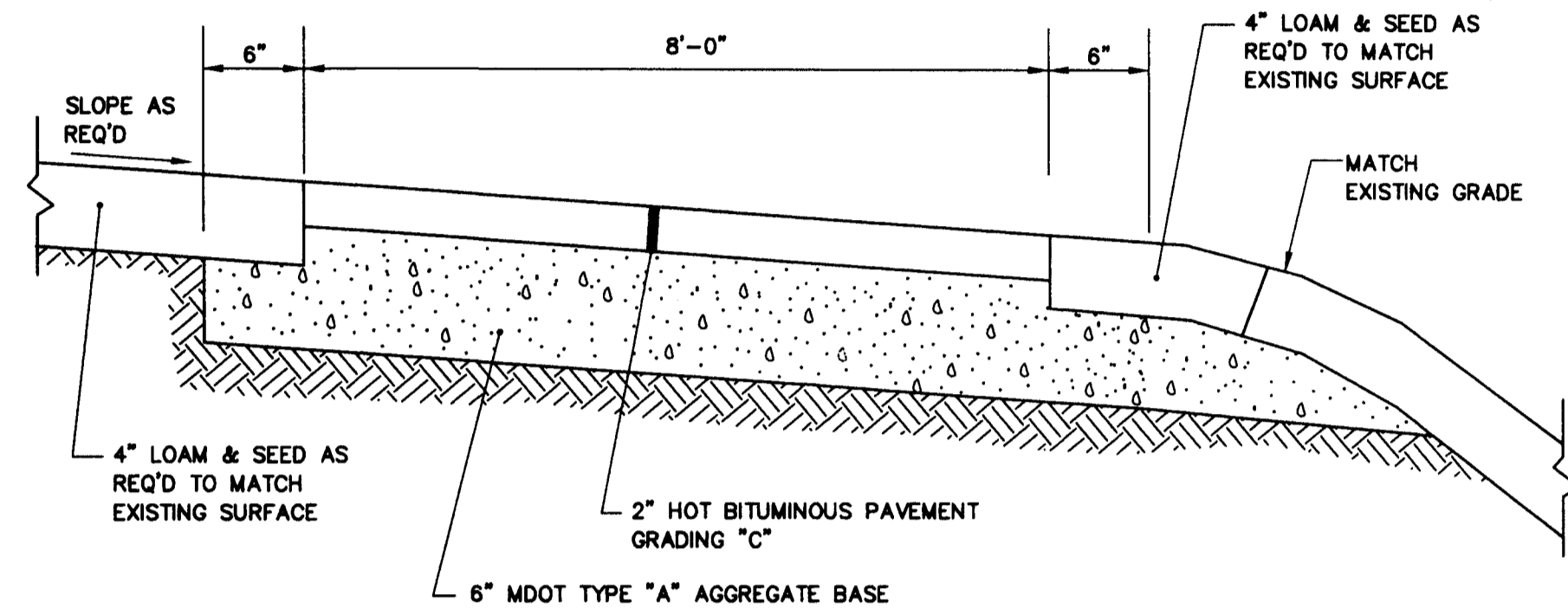
DES.BY: BSS DR.BY: BSS CK.BY: RET  
 CAD-CAM ASSOCIATES  
 PORTLAND, MAINE

PARKING LOT ADDITION

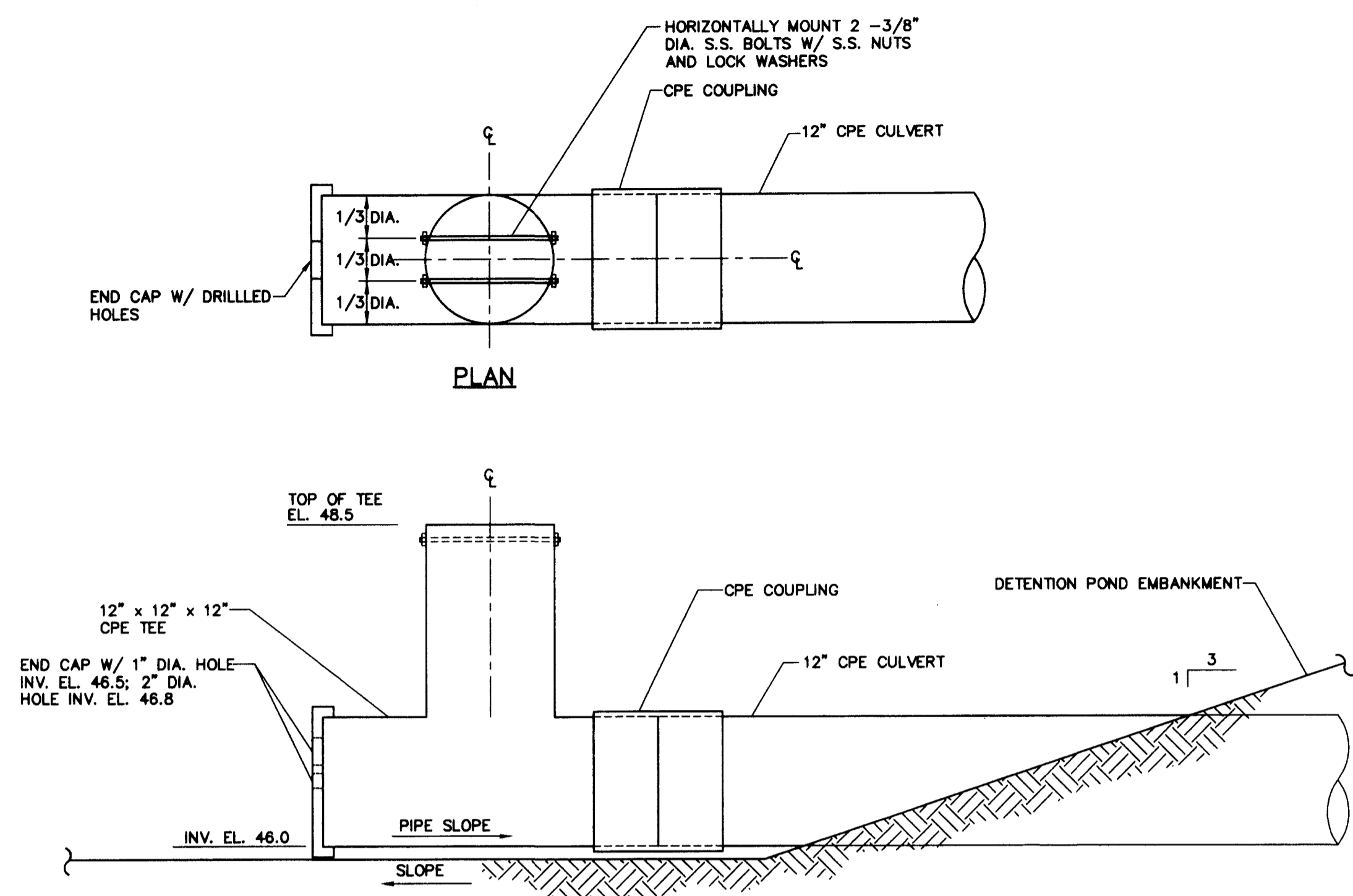
**EROSION AND SEDIMENTATION AND CIVIL DETAILS NO. 1**

SCALE: NTS JOB NO.: 990047.01  
 DATE: JUNE 2000 SHEET: C-04 990047-C4

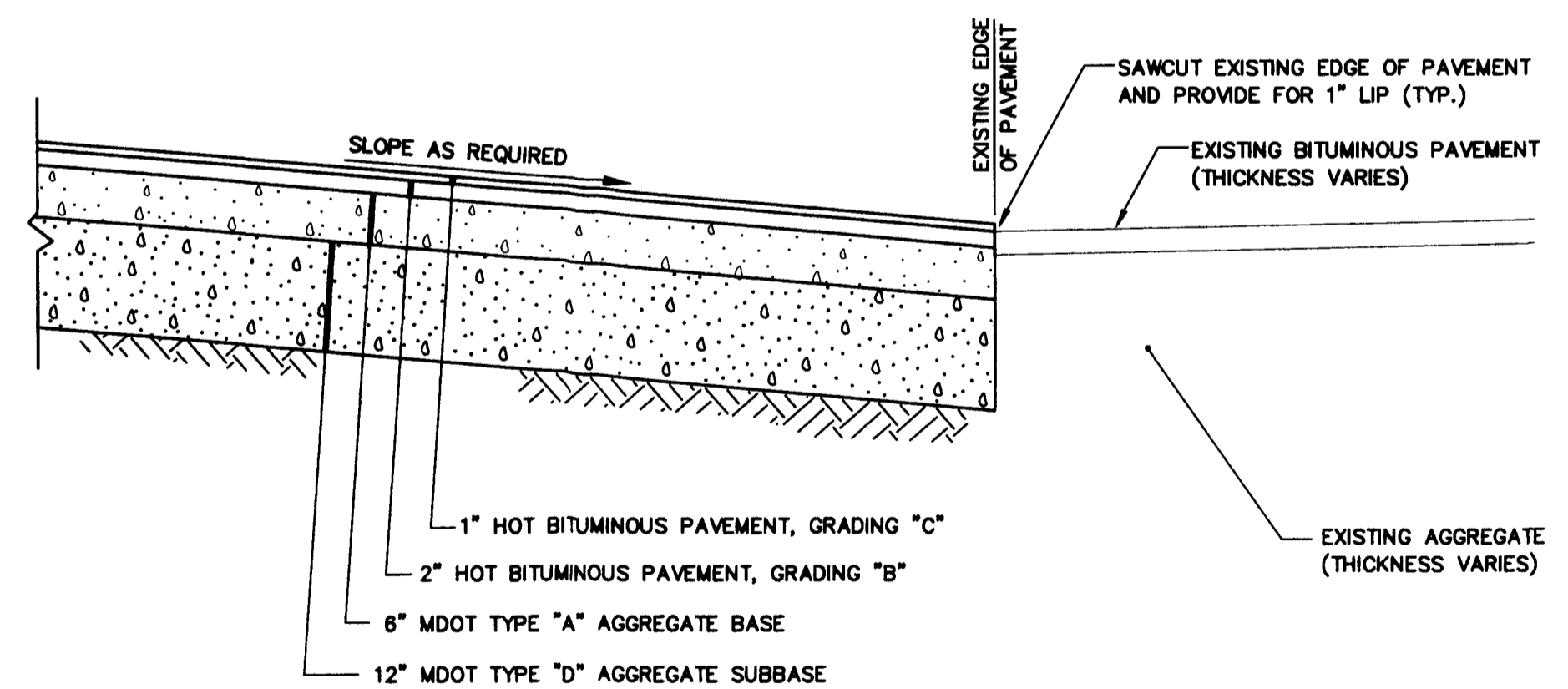
**WOODARD & CURRAN**  
 Engineering · Science · Operations



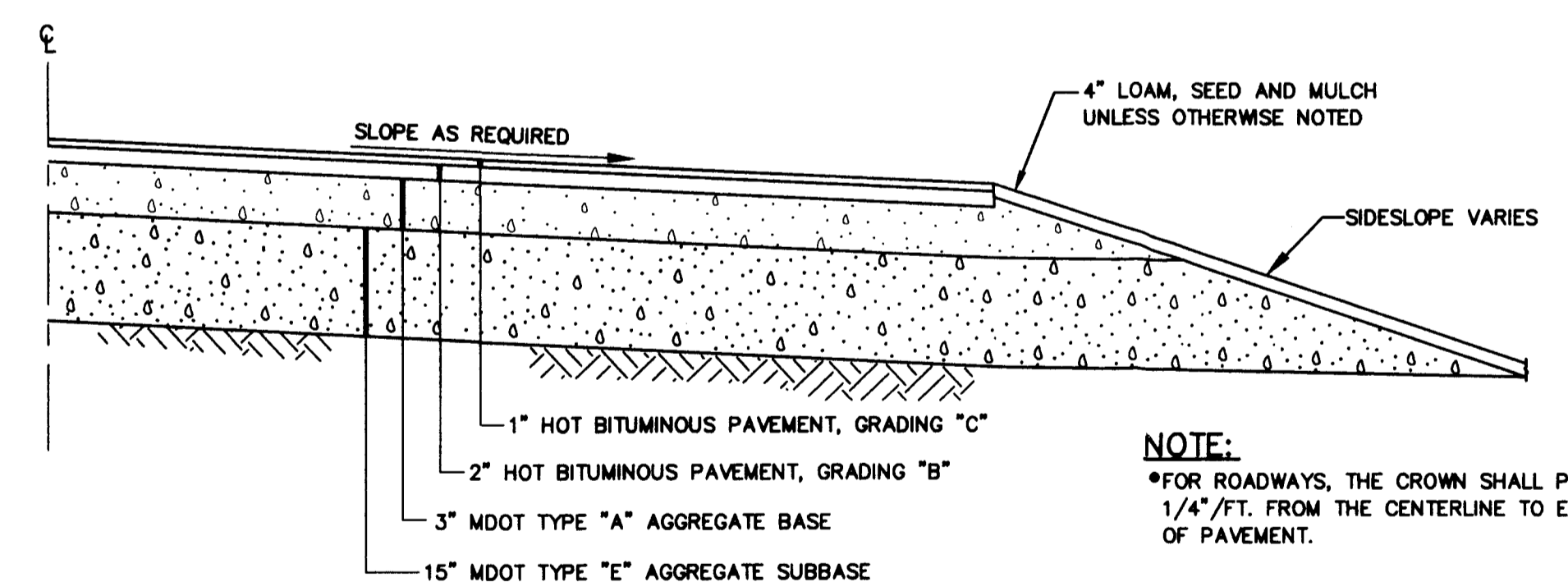
**E BITUMINOUS SIDEWALK**  
C-3 N.T.S.



**F POND OUTLET**  
C-3 N.T.S.



**G PAVEMENT BUTT JOINT**  
C-3 N.T.S.

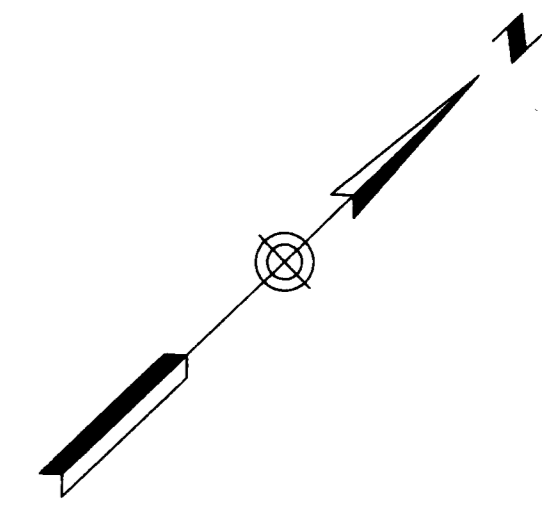


**H TYPICAL PAVEMENT**  
C-3 N.T.S.

**NOTE:**  
\*FOR ROADWAYS, THE CROWN SHALL PITCH 1/4" / FT. FROM THE CENTERLINE TO EDGE OF PAVEMENT.

**OWNER APPLICANT**  
CAD-CAM ASSOCIATES  
41 HUTCHINS DRIVE  
PORTLAND, MAINE 04102  
CONTACT PERSON: RANDY E. TOME  
207-774-2112

DATE	ADDITION OR REVISION
DES. BY: BSS	DR. BY: BSS CK. BY: RET
CAD-CAM ASSOCIATES PORTLAND, MAINE	
PARKING LOT ADDITION	
<b>CIVIL DETAILS NO. 2</b>	
SCALE: NTS	JOB NO.: 990047
DATE: JUNE 2000	SHEET: C-05 990047-C5




HUTCHINS DRIVE

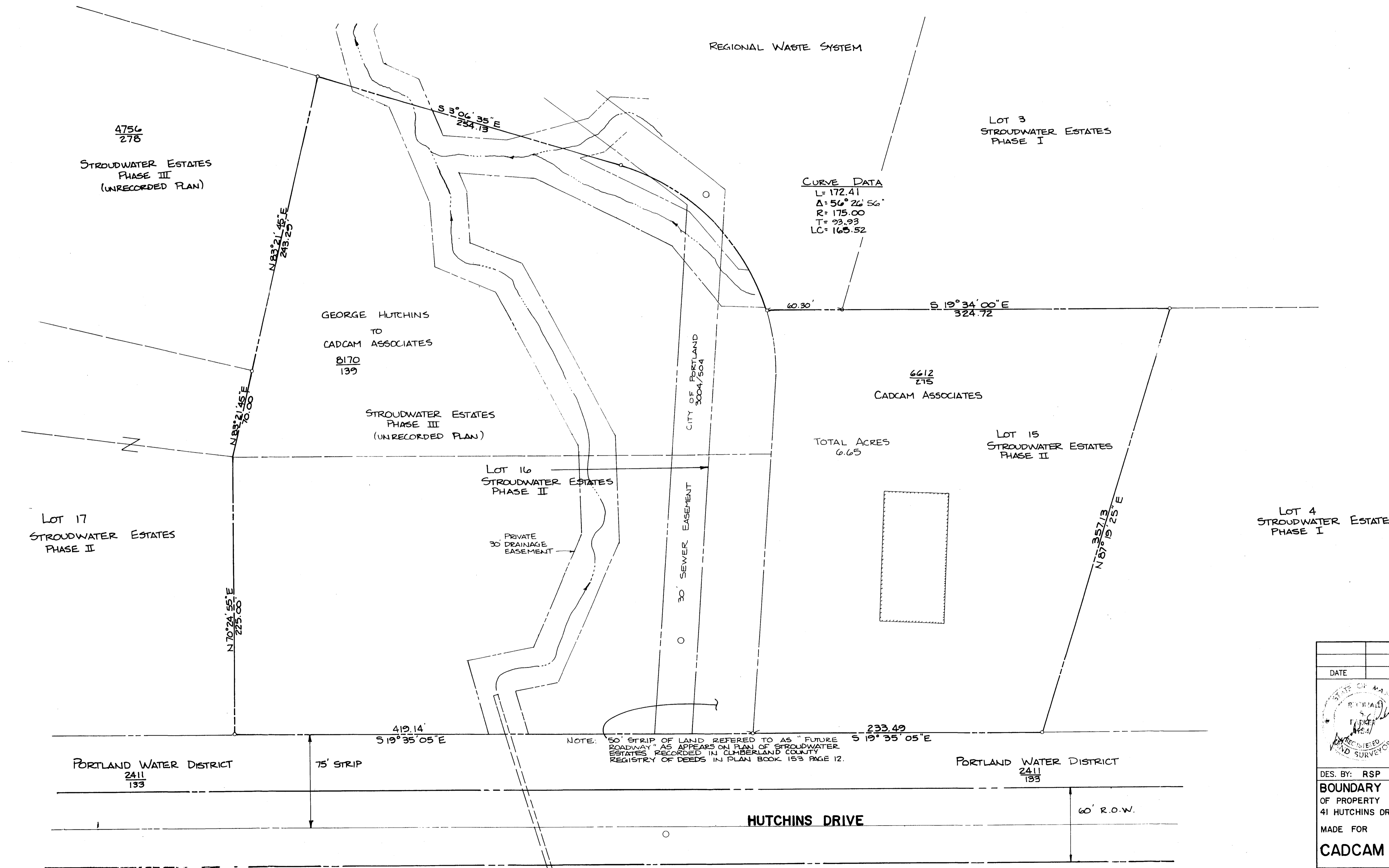
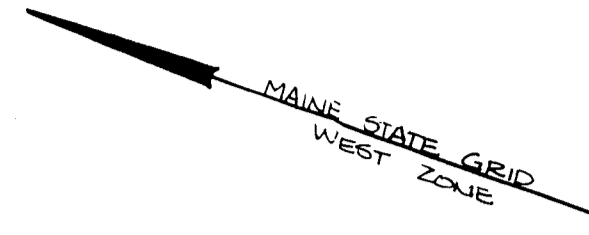


### GENERAL NOTES

- \* SITE LIGHTING DESIGN BASED UPON GALLERIA STYLE 150 WATT HIGH PRESSURE SODIUM METAL HALIDE ARCHITECTURAL AREA LUMINAIRE MOUNTED ON 15 FT HIGH POLE WITH A 0.5 FOOT PEDESTAL.
- \* GRID VALUES ARE IN FOOT-CANDELS OF ILLUMINATION CALCULATED AT GRADE.

DATE	ADDITION OR REVISION	
DES. BY: RG(BHM)	DR. BY: BSS	CK. BY: RET
CAD-CAM ASSOCIATES PORTLAND, MAINE		
PARKING LOT ADDITION		
<b>PHOTOMETRIC PLAN</b>		
SCALE: 1"=10'	JOB NO.: 990047	
DATE: JUNE 2000	SHEET: C-06	990047-C6
 <b>WOODARD &amp; CURRAN</b> Engineering · Science · Operations		





NOTE: 50' STRIP OF LAND REFERRED TO AS "FUTURE ROADWAY" AS APPEARS ON PLAN OF STROUDWATER ESTATES RECORDED IN CUMBERLAND COUNTY REGISTRY OF DEEDS IN PLAN BOOK 153 PAGE 12.

DATE	ADDITION OR REVISION		
DES. BY:	RSP	DR. BY:	SWE
CK. BY:			
<b>BOUNDARY SURVEY</b>			
OF PROPERTY			
41 HUTCHINS DRIVE PORTLAND, MAINE			
MADE FOR			
<b>CADCAM Associates</b>			
SCALE:	1" = 40'	JOB NO.:	87183.01
DATE:	FEB. 1988	SHEET:	
<b>WOODARD &amp; CURRAN INC.</b>			
CONSULTING ENGINEERS			
41 HUTCHINS DRIVE · PORTLAND, MAINE 04102 · (207)774-2112			