BORING NO. B-8

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/22/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. -20 FT.
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
DARK BROWN, MOIST, TOPSOIL	OL	1AU	–	–	–	19.2
BROWN, MOIST, VERY STIFF TO HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	21	2.72	3.25	23.5
-5	CL	3SS	17	–	3.25	17.9
-10	CL	4SS	28	–	4.25	15.7
BROWN, MOIST, VERY DENSE COARSE TO MEDIUM GRAINED SAND	SP	5SS	31	–	–	12.9
-15	SP	6SS	30	–	–	21.2
-20	SP	7SS	46	–	–	22.4
GRAY, MOIST, VERY DENSE FINE GRAINED SAND						
-25	SP	8SS	92	–	–	23.4
-30	SP	9SS	86	–	–	17.6
-35	SP	10SS	76	–	–	18.8
-40	SP	11SS	100/1"	–	–	14.6
BOTTOM OF BORING AT 41.5'						

BORING NO. B-9

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/22/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. -20 FT.
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
DARK BROWN, MOIST, TOPSOIL	OL	1AU	–	–	–	21.1
BROWN, MOIST, VERY STIFF SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	15	2.23	2.0	27.1
-5	CL	3SS	19	3.71	4.5+	16.1
BROWN, MOIST, MED. DENSE, COARSE TO MED. GR. SAND	SP	4SS	9	–	–	17.0
-10	CL	5SS	15	4.04	–	15.5
BROWN, MOIST, HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL						
-15	CL	6SS	19	1.73	–	15.5
-20	CL	7SS	52	–	4.5+	17.6
-25						
GRAY, MOIST, SILT	MH	8SS	65	–	–	13.2
-30	MH	9SS	70	–	–	19.1
-35	MH	10SS	50	–	–	18.4
-40	MH	11SS	60	–	–	19.8
BOTTOM OF BORING AT 41.5'						

BORING NO. B-10

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/21/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. -25 FT.
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
DARK BROWN, MOIST, TOPSOIL	OL	1AU	–	–	–	29.4
BROWN, MOIST, STIFF CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	14	1.07	1.0	24.2
-5	CL	3SS	30	–	3.0	15.8
BROWN, MOIST, VERY STIFF TO HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	4SS	31	4.33	2.5	15.1
-10	CL	5SS	33	4.53	–	14.8
-15						
GRAY, MOIST, FIRM SILT	MH	6SS	14	0.95	–	22.2
-20						
GRAY, MOIST, VERY DENSE COARSE GRAINED SAND	SP	7SS	30	–	–	21.0
-25	SP	8SS	55	–	–	24.4
-30						
GRAY, MOIST, VERY STIFF TO HARD SILT	MH	9SS	60	5.36	–	14.2
-35	MH	10SS	100/6"	–	–	20.0
-40	MH	11SS	100	3.22	–	16.4
BOTTOM OF BORING AT 41.5'						

BORING NO. B-11

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/21/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. -30 FT.
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
DARK BROWN, MOIST, TOPSOIL	OL	1AU	–	–	–	20.1
BROWN, MOIST, VERY STIFF SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	11	–	–	25.0
-5	CL	3SS	19	3.87	2.0	19.4
-10	CL	4SS	26	–	–	19.2
BROWN, MOIST, DENSE COARSE GRAINED SAND AND GRAVEL	SP	5SS	18	–	–	13.4
-15						
GRAY, MOIST, HARD CLAY WITH A TRACE OF GRAVEL	CL	6SS	20	4.17	2.5	17.6
-20						
GRAY, MOIST, VERY DENSE MEDIUM GRAINED SAND	SP	7SS	95	–	–	16.8
-25						
-30	SP	8SS	66	–	–	19.0
-35	SP	9SS	44	–	–	15.0
GRAY, MOIST, SILT	MH	10SS	39	–	–	15.8
-40						
GRAY, MOIST, VERY DENSE MEDIUM GRAINED SAND	SP	11SS	95	–	–	16.0
BOTTOM OF BORING AT 41.5'						

BORING NO. B-13

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/23/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
BROWN, MOIST TOPSOIL	OL	1AU	–	–	–	22.9
BROWN, MOIST, VERY STIFF TO HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	17	–	2.25	23.7
-5	CL	3SS	18	2.31	4.25	17.2
-10	CL	4SS	18	4.53	3.0	16.4
BROWN AND GRAY, MOIST, VERY STIFF TO HARD CLAYEY SILT WITH A TRACE OF SAND AND GRAVEL	MH	5SS	26	–	–	15.5
-15	MH	6SS	15	2.72	4.0	12.5
-20	MH	7SS	28	–	4.0	13.9
BOTTOM OF BORING AT 21.5'						
-25						
-30						
-35						
-40						

BORING NO. B-14

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/28/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
BROWN, MOIST TOPSOIL	OL	1AU	–	–	–	23.6
BROWN, MOIST, HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	8	–	1.0	18.1
-5	CL	3SS	7	–	1.0	24.3
-10	CL	4SS	28	4.17	–	18.2
BOTTOM OF BORING AT 9'						

BORING NO. B-15

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/29/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
BROWN, MOIST TOPSOIL	OL	1AU	–	–	–	19.4
BROWN, MOIST, STIFF SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	13	–	–	18.8
-5	CL	3SS	6	–	1.25	20.5
-10	CL	4SS	16	–	2.0	24.3
BOTTOM OF BORING AT 9'						

LEGEND AND NOTES FOR SOIL BORINGS

N STANDARD PENETRATION TEST. NUMBER OF BLOWS PER FOOT TO DRIVE 2" O.D. SPLIT SPOON SAMPLER 12" WITH 140 LB. HAMMER FALLING 30".

Qu UNCONFINED COMPRESSIVE STRENGTH IN TONS PER SQUARE FOOT

Qp PENETROMETER VALUE, UNCONFINED COMPRESSIVE STRENGTH IN TONS PER SQUARE FOOT.

Wc WATER CONTENT AS PERCENTAGE OF OVEN DRIED WEIGHT.

U.S.C. UNIFIED SOIL CLASSIFICATION

▼ APPARENT GROUND WATER LEVEL AT TIME NOTED AFTER COMPLETION.

SS SPLIT-SPOON 1-3/8" I.D., 2" O.D., EXCEPT WHERE NOTED.

ST SHELBY TUBE – 3" O.D., EXCEPT WHERE NOTED

AU AUGER SAMPLE

DB DIAMOND BIT.

CB CARBIDE BIT.

WS WASHED SAMPLE.

B BULGE FAILURE

S SHEAR FAILURE

E ESTIMATED VALUE

LL LIQUID LIMIT IN PERCENTAGE

PI PLASTICITY INDEX IN PERCENT

NOTE: B-12 DOES NOT PERTAIN TO THIS PROJECT

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DATE 07-31-97 BRONE AS-BUILT, NO CORRECTIONS BY ____ RETAIN

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DSGN BARNES SUPV ERICKSON CK KLODZEN
SUPV VICK CH ENGR
SUBMITTED BY DATE 8/21/97
FBM MARBES DATE
EIC BR
FPE DR

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
SOUTHERN DIVISION
CHARLESTON, S.C.
NAVAL TRAINING CENTER — GREAT LAKES, ILLINOIS

DAMAGE CONTROL SCHOOL
BORING LOGS

APPROVED DATE
OFFICER-IN CHARGE
APPROVED DATE 8/13/98
CO FOR COMPUTER, NAVFAC

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.	DRAWING NO.
F	80091	5276444	C9-2

CONSTR CONTR NO. N62467-93-C-1143
SCALE NONE — SPEC 06-93-1143 — SHEET 19 OF

ARCH. & ENGR. SEAL

DONALD G. BARNES 062-047593 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

Date&time: 08/31/94 10:21:10 User: DBE Filename: P:\PAPER\JCPS0902
P: TB-NWOT PS Size=0,0
P: TB-BLCK PS Size=0,0
P: JCPA0902 PS Size=0,0

BORING NO. B-16

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/30/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
4" ASPHALT & 6" CONCRETE						
BROWN, MOIST CLAY WITH A TRACE OF GRAVEL	CL	1SS	18	–	–	19.9
–5						
BROWN, MOIST HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	30	5.36	4.5	16.3
	CL	3SS	21	5.98	3.75	17.9
–10						
BOTTOM OF BORING AT 9'						

BORING NO. B-17

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/30/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
4" ASPHALT & 6" CONCRETE						
BROWN, MOIST, STIFF TO HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	1SS	15	1.90	1.5	24.1
–5						
	CL	2SS	29	6.39	3.5	16.2
	CL	3SS	15	2.64	2.0	21.4
–10						
BOTTOM OF BORING AT 9'						

BORING NO. B-18

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/28/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
DARK BROWN, MOIST TOPSOIL	OL	1AU	–	–	–	23.0
BROWN, MOIST, STIFF CLAY WITH A TRACE OF GRAVEL	CL	2SS	9	–	1.5	21.3
–5						
BROWN, MOIST, HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	3SS	16	–	–	13.4
	CL	4SS	25	–	4.5+	8.8
–10						
BOTTOM OF BORING AT 9'						

BORING NO. B-19

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/28/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
DARK BROWN, MOIST TOPSOIL	OL	1AU	–	–	–	25.0
BROWN, MOIST, HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	19	1.40	2.5	22.2
–5						
	CL	3SS	24	–	–	16.3
	CL	4SS	28	4.95	4.5	19.6
–10						
BOTTOM OF BORING AT 9'						

BORING NO. B-20

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/28/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
BROWN, MOIST TOPSOIL	OL	1AU	–	–	–	26.3
BROWN, MOIST, STIFF TO HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	11	–	–	28.5
–5						
	CL	3SS	17	5.56	4.5+	16.0
	CL	4SS	18	2.39	1.5	22.0
–10						
BOTTOM OF BORING 9'						

BORING NO. B-21

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/28/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
BROWN, MOIST TOPSOIL	OL	1AU	–	–	–	23.6
BROWN, MOIST, STIFF TO HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	14	–	1.75	22.7
–5						
	CL	3SS	21	–	4.5	15.2
	CL	4SS	23	–	4.5+	16.5
–10						
BOTTOM OF BORING 9'						

BORING NO. B-22

STATION N/A
PROJECT DAMAGE CONTROL SCHOOL — PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC — DATE OF BORING 12/28/92
BORINGS BY P.S.I., INC. — LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
GROUND SURFACE ELEV. N/A						
BROWN, MOIST TOPSOIL	OL	1AU	–	–	–	19.5
BROWN, MOIST, FIRM CLAY WITH A TRACE OF GRAVEL	CL	2SS	13	0.54	1.75	26.3
–5						
BROWN, MOIST, STIFF TO HARD SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	3SS	15	2.06	2.0	26.7
	CL	4SS	21	4.04	–	18.2
–10						
BOTTOM OF BORING 9'						

LEGEND AND NOTES FOR SOIL BORINGS

- N — STANDARD PENETRATION TEST. NUMBER OF BLOWS PER FOOT TO DRIVE 2" O.D. SPLIT SPOON SAMPLER 12" WITH 140 LB. HAMMER FALLING 30".
- Qu — UNCONFINED COMPRESSIVE STRENGTH IN TONS PER SQUARE FOOT
- Qp — PENETROMETER VALUE, UNCONFINED COMPRESSIVE STRENGTH IN TONS PER SQUARE FOOT.
- Wc — WATER CONTENT AS PERCENTAGE OF OVEN DRIED WEIGHT.
- U.S.C. — UNIFIED SOIL CLASSIFICATION
- ▼ — APPARENT GROUND WATER LEVEL AT TIME NOTED AFTER COMPLETION.
- SS — SPLIT-SPOON 1-3/8" I.D., 2" O.D., EXCEPT WHERE NOTED.
- ST — SHELBY TUBE – 3" O.D., EXCEPT WHERE NOTED
- AU — AUGER SAMPLE
- DB — DIAMOND BIT.
- CB — CARBIDE BIT.
- WS — WASHED SAMPLE.
- B — BULGE FAILURE
- S — SHEAR FAILURE
- E — ESTIMATED VALUE
- LL — LIQUID LIMIT IN PERCENTAGE
- PI — PLASTICITY INDEX IN PERCENT

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DSGN BARNES, ERICKSON, KLOOZE
SUPV VICK CH. ENGR
SUBMITTED BY ____ DATE 8/31/94
CHIEF, ENGINEERING DIV.
CIC ____ BR HD ____
FPE ____ DIR ____
APPROVED ____ DATE
OFFICER-IN-CHARGE
APPROVED ____ DATE 9/12/94
STD FOR COMPUTER, NAVFAC

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
SOUTHERN DIVISION
CHARLESTON, S.C.
NAVAL TRAINING CENTER — GREAT LAKES, ILLINOIS

DAMAGE CONTROL SCHOOL BORING LOGS

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.	DRAWING NO.
F	80091	5276445	C9-3
		CONSTR CONTR NO. N62467-93-C-1143	
SCALE NONE		SPEC 08-93-1143	SHEET 20 OF

DONALD G. BARNES 062047693 REGISTERED PROFESSIONAL ENGINEER ILLINOIS
ARCH. & ENGR. SEAL

Date&time: 08/31/94 10:22:47 User: DBE Filename: P:\PAPER\JCPS0903
P: TTL-NW07 PS res=0.0
P: TTL-BLCK PS res=0.0
P: JCPS0903 PS res=0.0

BORING NO. B-23 STATION N/A

PROJECT DAMAGE CONTROL SCHOOL PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC DATE OF BORING 12/29/92
BORINGS BY P.S.I., INC. LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

GROUND SURFACE ELEV. N/A

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
DARK BROWN, MOIST TOPSOIL	OL	1AU	–	–	–	38.3
BROWN, MOIST, STIFF TO VERY STIFF SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	15	1.65	1.5	23.1
–5	CL	3SS	22	–	4.5	16.7
	CL	4SS	24	3.46	3.0	17.8
–10 BOTTOM OF BORING 9'						

BORING NO. B-24 STATION N/A

PROJECT DAMAGE CONTROL SCHOOL PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC DATE OF BORING 12/28/92
BORINGS BY P.S.I., INC. LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

GROUND SURFACE ELEV. N/A

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
DARK BROWN, MOIST TOPSOIL	CL	1AU	–	–	–	37.5
BROWN, MOIST, VERY STIFF SILTY CLAY WITH A TRACE OF SAND AND GRAVEL	CL	2SS	17	–	4.0	19.9
–5	CL	3SS	28	3.79	4.25	16.0
	CL	4SS	31	2.47	4.5+	15.4
–10 BOTTOM OF BORING 9'						

BORING NO. B-25 STATION N/A

PROJECT DAMAGE CONTROL SCHOOL PROJ. NO. 6007-1
LOCATION GREAT LAKES NTC DATE OF BORING 12/28/92
BORINGS BY P.S.I., INC. LOG NO. 152-25085
SURF. WATER EL. N/A
GRD. WATER EL. (DRY)
AFTER N/A HOURS

GROUND SURFACE ELEV. N/A

ELEVATION	U.S.C.	SAMPLE	N	Qu t\s.f.	Qp t\s.f.	Wc (%)
DARK BROWN, MOIST TOPSOIL	OL	1AU	–	–	–	19.5
BROWN, MOIST, VERY STIFF TO HARD SILTY CLAY WITH A TRACE OF GRAVEL	CL	2SS	8	–	–	29.7
–5	CL	3SS	12	4.74	4.5	16.4
	CL	4SS	18	3.71	3.75	14.4
–10 BOTTOM OF BORING 9'						

LEGEND AND NOTES FOR SOIL BORINGS

N STANDARD PENETRATION TEST. NUMBER OF BLOWS PER FOOT TO DRIVE 2" O.D. SPLIT SPOON SAMPLER 12" WITH 140 LB. HAMMER FALLING 30".
Qu UNCONFINED COMPRESSIVE STRENGTH IN TONS PER SQUARE FOOT
Qp PENETROMETER VALUE, UNCONFINED COMPRESSIVE STRENGTH IN TONS PER SQUARE FOOT.
Wc WATER CONTENT AS PERCENTAGE OF OVEN DRIED WEIGHT.
U.S.C. UNIFIED SOIL CLASSIFICATION
▼ APPARENT GROUND WATER LEVEL AT TIME NOTED AFTER COMPLETION.
SS SPLIT-SPOON 1-3/8" I.D., 2" O.D., EXCEPT WHERE NOTED.
ST SHELBY TUBE – 3" O.D., EXCEPT WHERE NOTED
AU AUGER SAMPLE
DB DIAMOND BIT.
CB CARBIDE BIT.
WS WASHED SAMPLE.
B BULGE FAILURE
S SHEAR FAILURE
E ESTIMATED VALUE
LL LIQUID LIMIT IN PERCENTAGE
PI PLASTICITY INDEX IN PERCENT

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DATE 06/03/98

DATE 07-31-97 DRAW AS-BUILT, NO CORRECTIONS BY BY B.A.N.

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Chicago, IL 60661
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SUPV VICK CH ENGR
SUBMITTED BY DATE 7/31/94
DPM MEMBER PDC
DC DIR HQ
FPE DIR

APPROVED DATE
OFFICER IN CHARGE
APPROVED DATE 9/12/94
CFD FOR COMMDER NAVFAC

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
SOUTHERN DIVISION
CHARLESTON, S.C.
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS

DAMAGE CONTROL SCHOOL
BORING LOGS

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.	DRAWING NO.
F	80091	5276446	C9-4
SCALE NONE		CONSTR CONTR NO. N62467-93-C-1143	
		SPEC 06-93-1143	SHEET 21 OF

DONALD G. BARNES 062-047593 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

ARCH. & ENGR. SEAL

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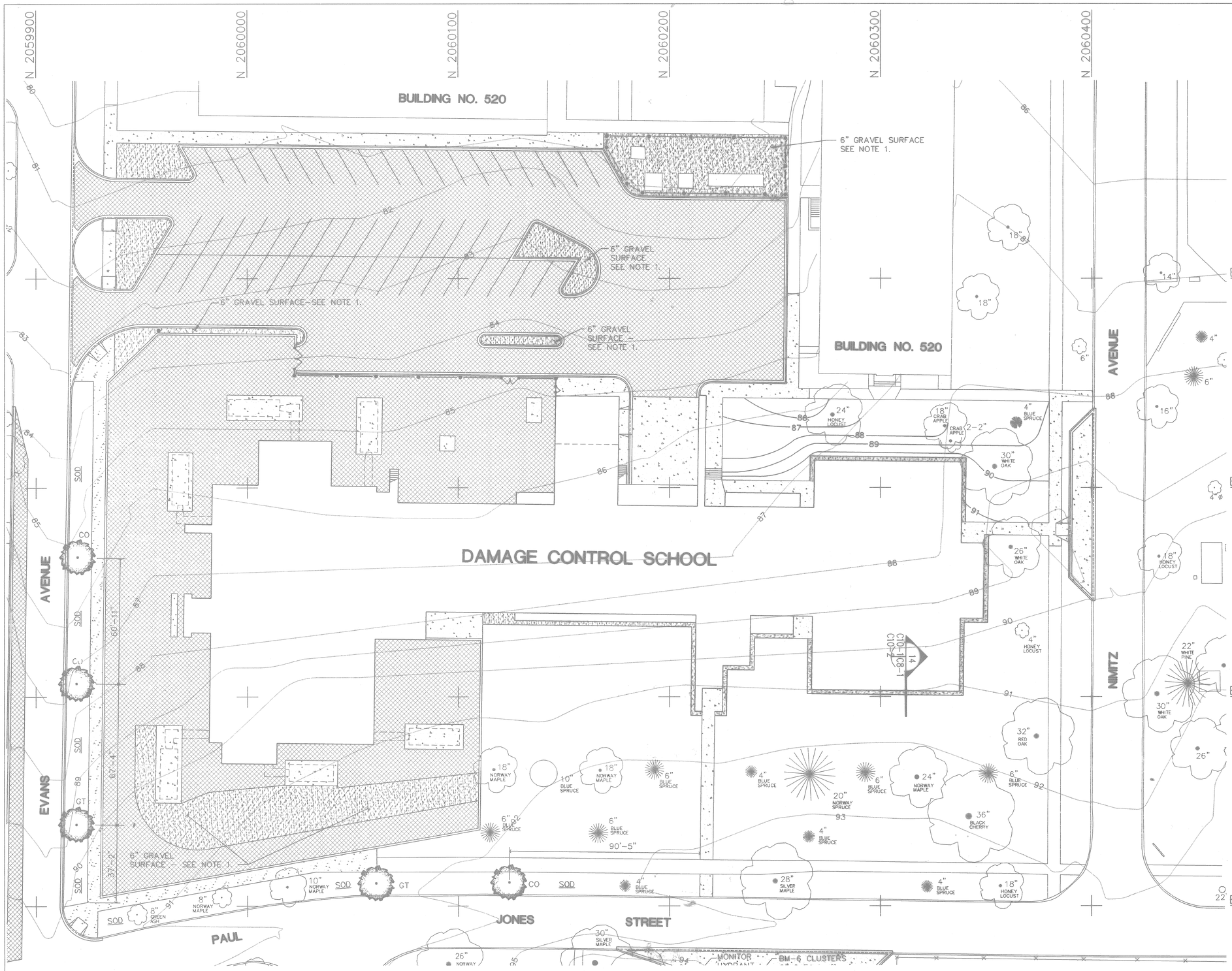

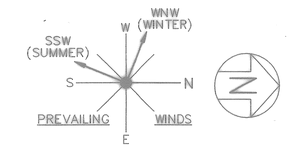

NOTES

1. PROVIDE WATER-WORN, HARD, DURABLE GRAVEL, WASHED FREE OF LOAM, SAND, CLAY, AND OTHER FOREIGN SUBSTANCES. SIZE RANGE SHALL BE FROM 1 1/2 INCHES MAXIMUM TO 3/4 INCH MINIMUM (OR FROM 3/8 TO 1/8 INCH WHERE PEA GRAVEL IS INDICATED). GRAVEL SHALL HAVE A UNIFORM LIGHT BUFF COLOR RANGE ACCEPTABLE TO THE CONTRACTING OFFICER. PLACE GRAVEL ON A WATER PERMEABLE FILTRATION/SEPARATION FABRIC.

LANDSCAPE LEGEND AND ABBREVIATIONS

EXISTING	NEW	DESCRIPTION
		DECIDUOUS TREE
		DECIDUOUS SHRUB
		CONIFEROUS TREE OR SHRUB
		LANDSCAPE BOULDER 6 TO 8 CUBIC FT.
		GRAVEL
	CF	CUBIC FEET
	CTRS	CENTERS
	SBM	SHREDDED BARK MULCH

SEE CONTINUATION AND PLANT MATERIAL SCHEDULE ON SHT. C10-2

GRAPHIC SCALE
20' 0' 20' 40' 60'
SCALE 1" = 20'

ARCH. & ENGR. SEAL

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RECORD DRAWING
DATE 06/08/98

DATE 07-31-97 SHEET AS-BUILT, NO CORRECTIONS BY DATE

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Chicago, IL 60661
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DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
SOUTHERN DIVISION
CHARLESTON, S.C.

NAVAL TRAINING CENTER — GREAT LAKES, ILLINOIS

DSGN VICK DR ERICKSON, PARIS
SUPV VICK CH ENGR
SUBMITTED BY DATE 8-31-97
DPM MEYER TPM
EIC FPE DIR

DAMAGE CONTROL SCHOOL LANDSCAPE PLAN

APPROVED DATE
OFFICER IN CHARGE
APPROVED DATE 9/12/97
EFD FOR COMMANDER, NAVFAC

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.	DRAWING NO.
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SCALE 1" = 20'		CONSTR CONTR NO. N62467-93-C-1143	
		SPEC 06-93-1143	SHEET 22 OF

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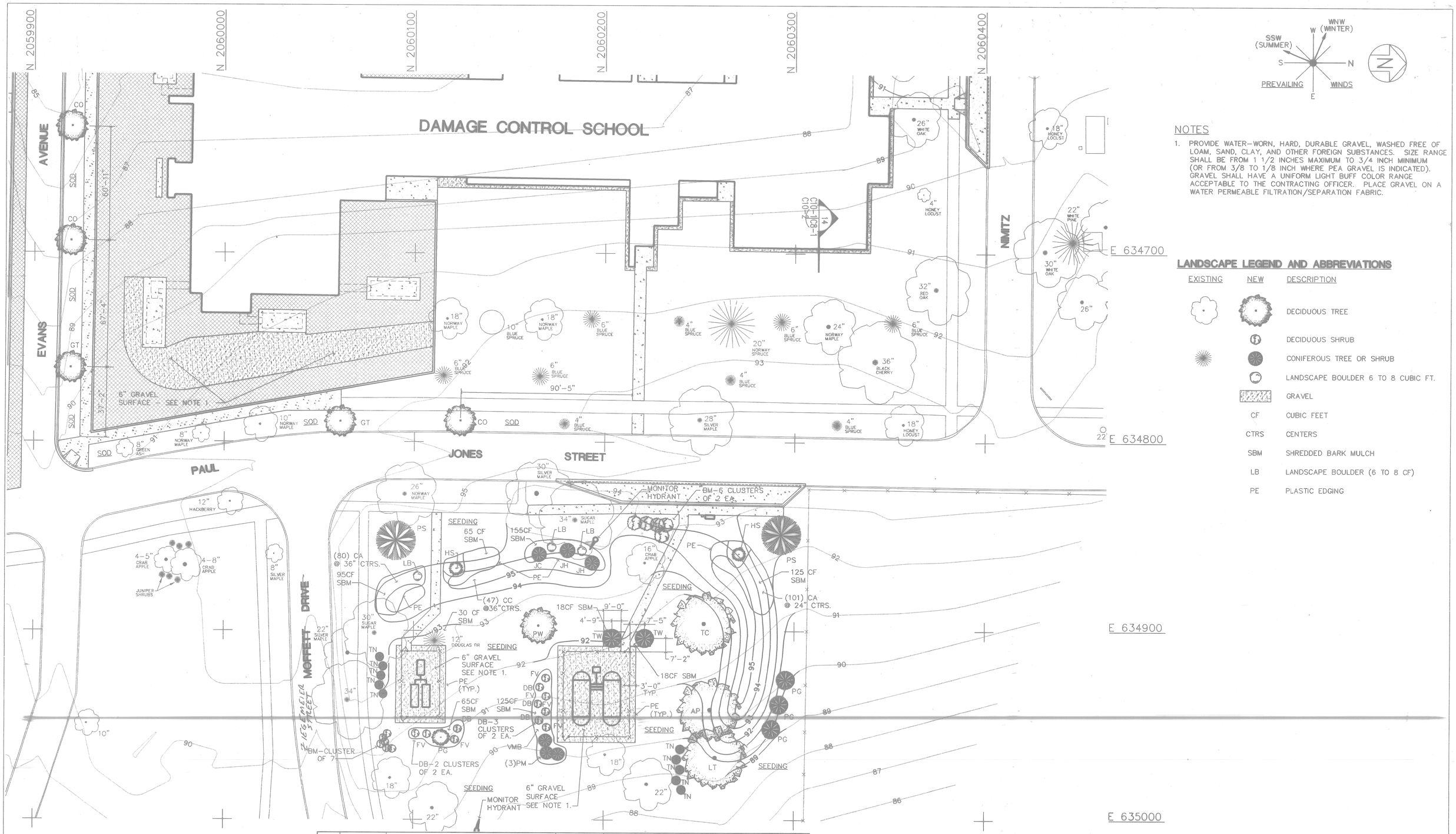

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LANDSCAPE LEGEND AND ABBREVIATIONS

EXISTING	NEW	DESCRIPTION
		DECIDUOUS TREE
		DECIDUOUS SHRUB
		CONIFEROUS TREE OR SHRUB
		LANDSCAPE BOULDER 6 TO 8 CUBIC FT.
		GRAVEL
	CF	CUBIC FEET
	CTRS	CENTERS
	SBM	SHREDDED BARK MULCH
	LB	LANDSCAPE BOULDER (6 TO 8 CF)
	PE	PLASTIC EDGING

KEY	QUANTITY	BOTANICAL NAME	SIZE	COMMON NAME	MATURE HGT.
AP	1	ACER PLATANOIDES	4 1/2" BB	RED OR CRIMSON MAPLE	50'H/30'W
BM	15	BUXUS MICROPHYLLA 'WINTERGREEN'	15"BB	GREEN BOXWOOD	3'H/3'W
CO	3	CELTIS OCCIDENTALIS	5 1/2" BB	COMMON HACKBERRY	60'H/50'W
CA	228	COTONEASTER APICULATUS	2 GAL	CRANBERRY COTONEASTER	3'H
DB	12	DAPHNE X BURKWOODI 'SUMERSET'	18" BB	BURKWOOD DAPHNE	4'H/3'W
FV	5	FORSYTHIA X VIRIDISSIMA 'BRONXENSIS'	24" BB	DWARF FORSYTHIA	3'H/4'W
GT	2	GLEDITSIA TRIACANTHOS, VAR 'INTERMIS'	5" BB	HONEYLOCUST, LATE GREEN	75'H/45'W
HS	2	HIBISCUS SYRIACUS	5' BB	ROSE OF SHARON	10'H/8'W
JC	1	JUNIPERUS CHINENSIS SARGENTI 'GLAUCA'	4' BB	BLUE SARGENT JUNIPER	18"H/6'W
JH	2	JUNIPERUS HORIZONTALIS 'HUGHES'	4' BB	HUGHES SPREADING BLUE JUNIPER	12"H/8'W
LT	1	LIRIONDENDRON TULIPFERA	16' BB	TULIPTREE	80'H/40'W
PG	3	PICEA PUNGENS VAR 'GLAUCA'	10' BB	COLORADO BLUE SPRUCE	60'H/20'W
PM	3	PINUS MUGO	30" BB	MUGO PINE	8'H/12'W
PS	2	PINUS SYLVESTRIS	14' BB	SCOTCH PINE	50'H/30'W
PW	1	PYRUS CALLERYANA 'WHITEHOUSE'	14' BB	WHITEHOUSE PEAR	30'H/12'W
QR	1	QUERCUS ROBUS	10' BB	ENGLISH OAK	30'H/15'W
TC	1	TILIA CORDATA	10' BB	LITTLE LEAF LINDEN	50'H/30'W
TN	10	THUJA OCCIDENTALIS 'NIGRA'	7' BB	AMERICAN ARBORVITAE, DARK GREEN	30'H/8'W
TW	2	THUJA OCCIDENTIS 'WAREANA'	6' BB	AMERICAN ARBORVITAE	8'H/5'W

GRAPHIC SCALE
20' 0' 20' 40' 60'
SCALE 1" = 20'

ARCH. & ENGR. SEAL

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DATE 06/08/98

DATE 07-31-97 STATUS AS-BUILT, NO CORRECTIONS BY: _____ REVIEW D.A.W.

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NAVAL FACILITIES ENGINEERING COMMAND
SOUTHERN DIVISION
CHARLESTON, S.C.

DSOM VICK DR ERICKSON PARIS
SUPV VICK CH ENGR
SUBMITTED BY DATE
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EIC DR
FPE DIR
APPROVED DATE
OFFICE/DIV CHARGE
APPROVED DATE
RTD FOR COMMENTS, NAVFAC

NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS

DAMAGE CONTROL SCHOOL
TANK YARD LANDCAPE PLAN

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.	DRAWING NO.
F	80091	5276448	C10-2
		CONSTR CONTR NO. N62467-93-C-1143	
SCALE 1" = 20'		SPEC 06-93-1143	SHEET 23 OF

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