

L 1/2" × 2" × 2" × 48" LG.

WITH CONTINUOUS FILLET WELD

ALONG SIDES & BOTTOM. CAP WELD

VERTICAL BOLTS @ 3' O.C., STARTING @ &

4.@ EQUAL SPACINGS. WELD TO SUPPORT ANGLE

ALONG TOP.

1/2" Ø, 3" LONG.

SHIELD.

ANGLE IRON SUPPORT-DETAIL "B"

NO SCALE

S.S. CONC. ANCHOR

STUD WITH EXPANSION

HORIZOTAL BOLTS @ 5' O.C.

L 1/2"x5"x5" x28'

BASE.

ASPHALT

EXISTING

SURFACE

ASPHALT -

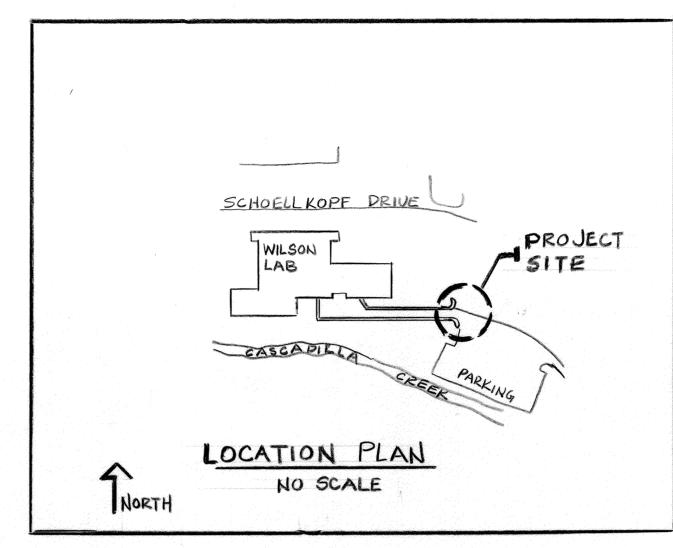
EXISTING CONCRETE

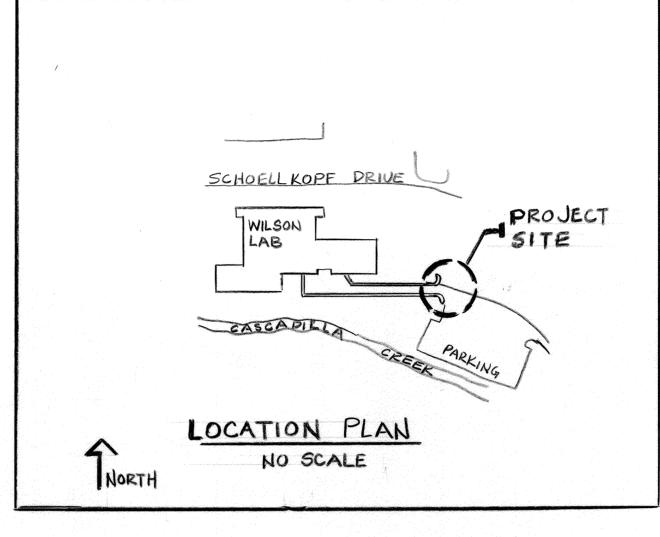
BASE

REPAIR WITH

SUPPORT ANCHORED

TO EXISTING CONCRETE







REMOVE EXISTING ASPHALT WEARING SURFACE PARALLEL TO FLOOD GATE EDGE A MINIMUM OF 6" TO TOP OF EXISTING CONCRETE BASE.

EXCAVATE ALONG THE FACE OF EXISTING CONCRETE BASE A SUFFICENT WIDTH TO ALLOW DRILLING AND PLACING OF ANCHOR BOLTS.

DRILL AND PLACE ALL ANCHOR STUDS. TORQUE TO MANUFACTURES SPECIFICATIONS. FILL DRILL HOLES FROM SHIELDS TO TOP OF CONCRETE WITH 'POR-ROK'.

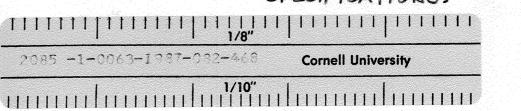
PLACE A 14" BED OF 'HYDROCIDE' BITUMINOUS COMPOUND FULL WIDTH AND LENGTH OF 5"x5" SUPPORT ANGLE .

PLACE SUPPORT ANGLE AND TORQUE BOLTS REPAIR SURFACE BETWEEN ASPHALT AND GATE

ALL NEW STEEL WORK SHALL BE FABRICATED AND PAINTED IN THE SHOP ANGLE SUPPORT SYSTEM CAN BE FABRICATED IN TWO 14' SECTIONS.

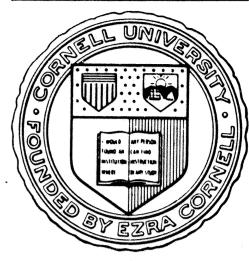
PAINT WITH TWO COATS OF 'RUST-OLEUM' 1060 HEAVY DUTY RUST INHIBITIVE PRIMER PER MANUFACTURER'S SPECIFICATIONS

FINISH PAINT WITH TWO GOATS 'RUST-OLEUM' 792 FINISH PER MANUFACTURERS SPECIFICATIONS.



FACILITIES ENGINEERING

J.W. HUMPHREYS SERVICE BUILDING CORNELL UNIVERSITY ITHACA N.Y. 14853



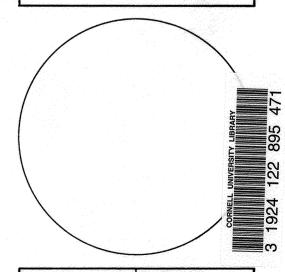
APPROVAL	
 DIRECTOR	DATE
Philip I	Coy 12 Nov 87
DESIGNED BY	DATE
Earl Hartman	11 Nov. '87
DRAWN BY	DATE
Earc Hartman	11 Nov. '87
CHECKED BY	
ARCH	ENERGY
CIVIL ALT	ENVIR. H
ELEC	LF.SFTY
MECH	PB.SFTY
STRUCT	USER

REV. DATE BY DESCRIPTION

DRAWING TITLE WILSON LAB.

PROJECT NEW SUPPORT FOR FLOOD GATE @ RAMP

2085 LOCATION NO. -



SCALE SHEET NO. AS NOTED FILE NO. 82900 DRAWING NO. c-2620 1 of 1

1/8"

EXISTING

EXISTING

EXISTING

EXISTING STEEL PLATE

1" x 4' x 28'

1 STONE FILL

SECTION "A"

NO SCALE

RAMP SURFACE

NEW ANGLE IRON

SUPPORT SYSTEM

WINCH