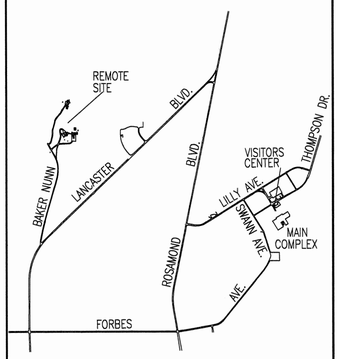
National Aeronautics and Space Administration

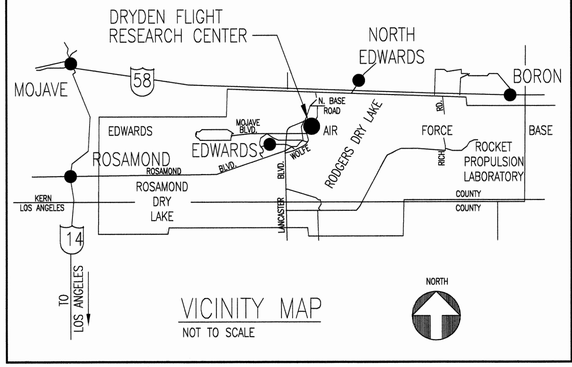
DRYDEN FLIGHT RESEARCH CENTER

PROJECT TITLE:

DEMOLISH SHUTTLE MATE–DEMATE DEVICE (NB–119)



AREA PLAN
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

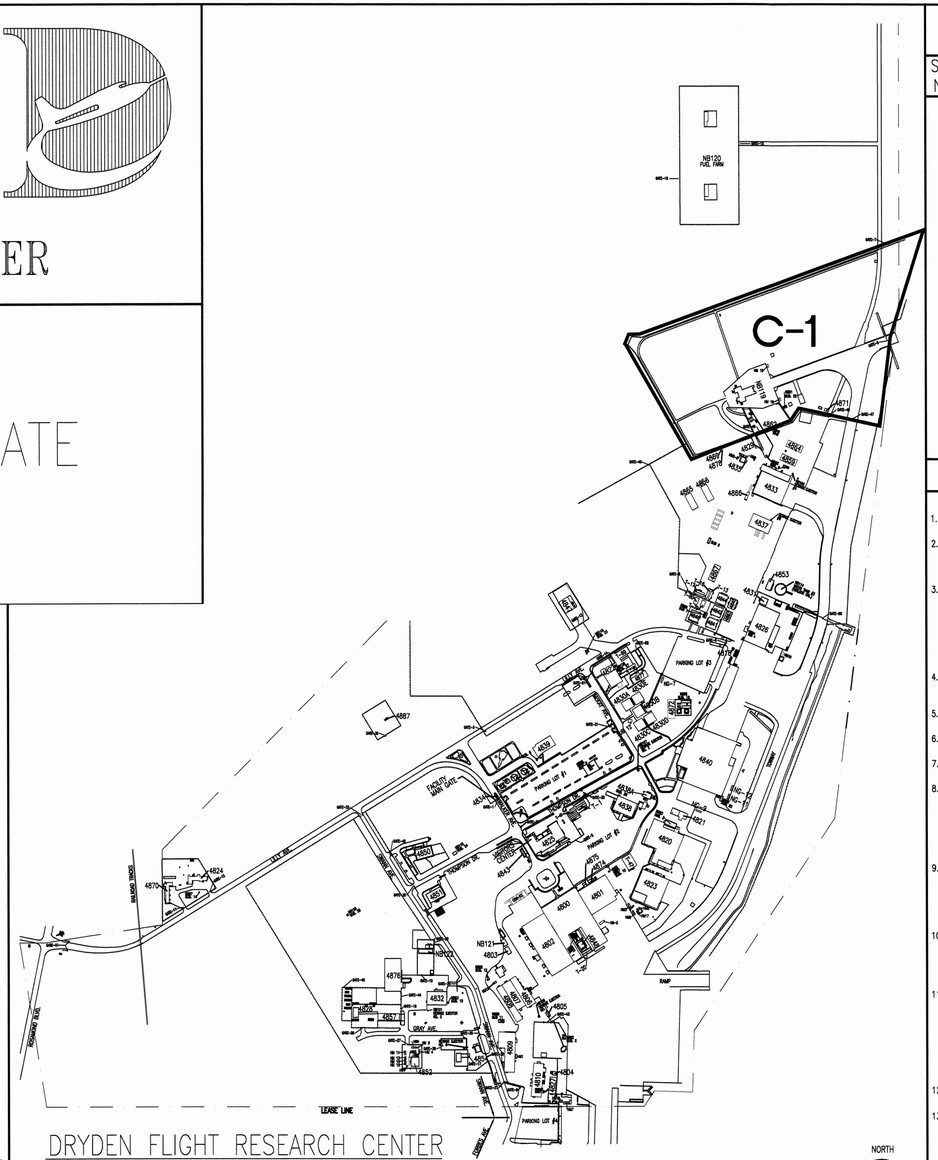
LEGEND

	AREA OF DEMOLITION
—T—	EXIST. COMMUNICATIONS LINE
—E—	EXIST. ELECTRICAL LINE
—G—	EXIST. NAT. GAS LINE
—S—	EXIST. SEWER LINE
—F—	EXIST. FIRE WATER LINE
—W—	EXIST. DOMESTIC WATER LINE
—SD—	EXIST. STORM DRAIN
—A—	COMPRESSED AIR LINE
	EXIST. VALVE

(E)	EXISTING
(N)	NEW
N.I.C.	NOT IN CONTRACT
DB	DIRECT BURY
EL	ELECTRICAL
COMM.	COMMUNICATIONS
XFM	TRANSFORMER
CONC.	CONCRETE
GALV.	GALVANIZED
GND.	GROUND
SUB.	SUBSTATION
CONN.	CONNECTION
H.H.	HAND HOLE
C.I.P.	CAST IRON PIPE
PVC	POLYVINYL CHLORIDE
GOV'T	GOVERNMENT
AF	AIR FORCE
FA	FIRE ALARM
RGS	RIGID GALVANIZED STEEL
Cu/F	COPPER PIPE IN FIBERGLASS JACKET
FH	FIRE HYDRANT
P.I.V.	POST INDICATOR VALVE
U.N.O.	UNLESS NOTED OTHERWISE
A.C.P.	ASBESTOS CEMENT PIPE (TRANSITE)
F.D.	FIRE DEPARTMENT
MFRS.	MANUFACTURERS
C.O.	CONTRACTING OFFICER
COR	CONTRACTING OFFICERS REPRESENTATIVE
MDD	MATE DE–MATE DEVICE

DETAIL REFERENCE

1 — DETAIL NUMBER
A1 | A1 — SHEET DETAIL IS SHOWN ON / SHEET(S) FROM WHICH DETAIL IS REFERENCED



DRYDEN FLIGHT RESEARCH CENTER
MAIN COMPLEX SITE PLAN
SCALE: 1"= 400'

400' 200' 0' 400' 800'

DRAWING INDEX

SHT. NO.	TRADE SHT. NO.	SHEET TITLE
1	T–1	TITLE AND INDEX SHEET
2	C–1	DEMOLITION PLAN

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO BIDDING AND START OF CONSTRUCTION. IF ANY DISCREPANCIES ARE FOUND, CONTRACTING OFFICER SHALL BE NOTIFIED FOR CLARIFICATION.
2. CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND CONFIRMING THAT WORK MAY BE CONSTRUCTED AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER COORDINATION QUESTIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE CONTRACTING OFFICER BEFORE PROCEEDING WITH WORK IN QUESTION.
3. CONTRACTOR IS TO ERECT AND MAINTAIN TEMPORARY BRACING, BARRICADES, SIGNS, AND OTHER MEASURES AS NECESSARY TO PROTECT THE PUBLIC, WORKERS, AND OTHER PERSONS, AND ADJOINING PROPERTY FROM DAMAGE FROM DEMOLITION WORK, ALL IN ACCORDANCE WITH THE APPLICABLE CODES AND REGULATIONS. CONTRACTOR IS TO PROVIDE NOISE AND DUST ABATEMENT AS REQUIRED TO PREVENT DISTURBANCE AND NUISANCE TO ADJACENT PREMISES AND SURROUNDING AREAS. OPERATIONAL PROCEDURES SHALL BE OPTIONAL WITH THE CONTRACTOR. DEMOLITION AND REMOVAL WORK SHALL BE DONE IN A MANNER WHICH WILL MINIMIZE THE SPREAD OF DUST AND FLYING PARTICLES. AIR HANDLERS IN THE VICINITY OF DUST PRODUCING ACTIVITIES MAY REQUIRE A SHUTDOWN PRIOR TO DEMOLITION WORK.
4. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION NOT TO DAMAGE ANY EXISTING STRUCTURES, EQUIPMENT, OR UTILITIES THAT ARE NOT TO BE DEMOLISHED. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE. ALL (E) UTILITIES THAT ARE TO BE PROTECTED IN PLACE SHALL BE LOCATED PRIOR TO EXCAVATION UTILIZING HYDRO–EXCAVATION METHODS.
5. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS TO ASSURE COMPLETE AND PROPER EXECUTION OF THIS PROJECT.
6. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION.
7. CONTRACTOR IS REQUIRED TO GET PERMITS FROM NASA SAFETY OFFICE AND PROVIDE CURRENT TRAINING CERTIFICATIONS PRIOR TO ENTERING ANY CONFINED SPACE.
8. LEAD PAINT HAS BEEN IDENTIFIED IN THE STRUCTURE AND INDICATED IN THE CONSTRUCTION PACKAGE. ADDITIONAL SAMPLING WILL ALSO BE PERFORMED BY THE GOV'T DURING THE COURSE OF THIS PROJECT AS REQ'D. IF DURING THE COURSE OF DEMOLITION OPERATIONS THE CONTRACTOR DISCOVERS HAZARDOUS MATERIALS NOT SHOWN ON THE DRAWINGS IMMEDIATELY REPORT THOSE FINDINGS TO THE CONTRACTING OFFICER AND PROJECT MANAGER AFTER WHICH THE GOV'T WILL PROVIDE DIRECTION FOR ABATEMENT OR MITIGATION. CONTRACTOR SHALL REFERENCE SPECIFICATION SECTION 02 82 33.13 20 REGARDING THE REMOVAL OF PAINT WITH LEAD AND SPECIFICATION SECTION 02 81 00 FOR TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS.
9. PRIOR TO THE DEMOLITION OF STRUCTURES, CONTRACTOR SHALL ENSURE THAT ALL UTILITIES SERVICING THESE STRUCTURES HAVE BEEN ISOLATED BY MAINTENANCE CONTRACTOR PERSONNEL. ACTIVITIES RESULTING IN A LOSS OF UTILITY SERVICES TO PERSONNEL OR EQUIPMENT WILL REQUIRE A UTILITY OUTAGE. COMMUNICATIONS CABLING AND EQUIPMENT WILL BE REMOVED BY GOV'T. REMOVE ALL FLUORESCENT LIGHT TUBES, AND PERFORM ALL ABATEMENT WORK AS NOTED ON PLANS. ALL LIGHT FIXTURES AND BULBS SHALL BE TREATED AS HAZARDOUS MATERIAL AND BE DISPOSED OF PROPERLY.
10. THE EXACT LOCATION OF MANY UNDERGROUND UTILITIES IS UNKNOWN AND ARE SHOWN IN APPROXIMATE LOCATIONS IN SOME AREAS. CONTRACTOR SHALL PROVIDE UTILITY LOCATION SERVICES TO DETERMINE THE SOURCE AND ROUTING OF UTILITIES TO BE CAPPED OFF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL UTILITIES ASSOCIATED WITH THE STRUCTURE SCHEDULED FOR DEMOLITION UNLESS OTHERWISE NOTED INCLUDING ALL ELECTRICAL CONDUCTORS TO SOURCE PANEL.
11. ITEMS NOTED ON PLAN TO BE "DEMOLISHED" SHALL BECOME THE RESPONSIBILITY AND PROPERTY OF THE CONTRACTOR (UNLESS OTHERWISE NOTED) AND SHALL BE DISPOSED OF OFF–BASE BY THE CONTRACTOR IN A LEGAL MANNER. ITEMS NOTED ON THE PLANS TO BE "SALVAGED TO THE GOV'T" SHALL BE CAREFULLY REMOVED AND DELIVERED TO THE NASA SALVAGE YARD WEST OF BUILDING 4876 BY THE CONTRACTOR. LOCATION TO BE DETERMINED BY THE CONTRACTING OFFICER'S REPRESENTATIVE (COR). CONTRACTOR SHALL RECYCLE ALL QUALIFYING MATERIALS. ALL STRUCTURAL STEEL, INCLUDING BUILDING FRAMES, RECYCLING TO BE CREDITED TO THE GOV'T. ALL COPPER SHALL BE SALVAGED TO THE GOV'T AND PLACED IN DUMPSTERS SUPPLIED BY THE GOV'T. ALL BUILDING NUMBER SIGNS SHALL BE RETURNED TO THE GOV'T.
12. NASA DRYDEN'S FIRE ALARM SYSTEM IS PROPRIETARY TO SIMPLEXGRINNELL. SIMPLEXGRINNELL IS THE ONLY VENDOR AUTHORIZED TO PERFORM MODIFICATIONS TO THIS SYSTEM.
13. NEW CONSTRUCTION OR REPAIR OF CONCRETE WILL BE MINIMUM F'c=3000 PSI. REINFORCING SHALL BE FY=60 KSI. AREAS TO BE PATCHED LARGER THAN 2 SF SHALL BE DOWELED TO (E) CONCRETE WITH #4 REBAR AT 12" O.C. AND 6" PENETRATION. DRILL & GROUT (E) SLAB FOR DOWEL AND APPLY EPOXY BONDING COMPOUND.

DATE	SYM	REVISION	BY	A'PD

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
DRYDEN FLIGHT RESEARCH CENTER
EDWARDS, CA

DRAWING TITLE
TITLE AND INDEX SHEET

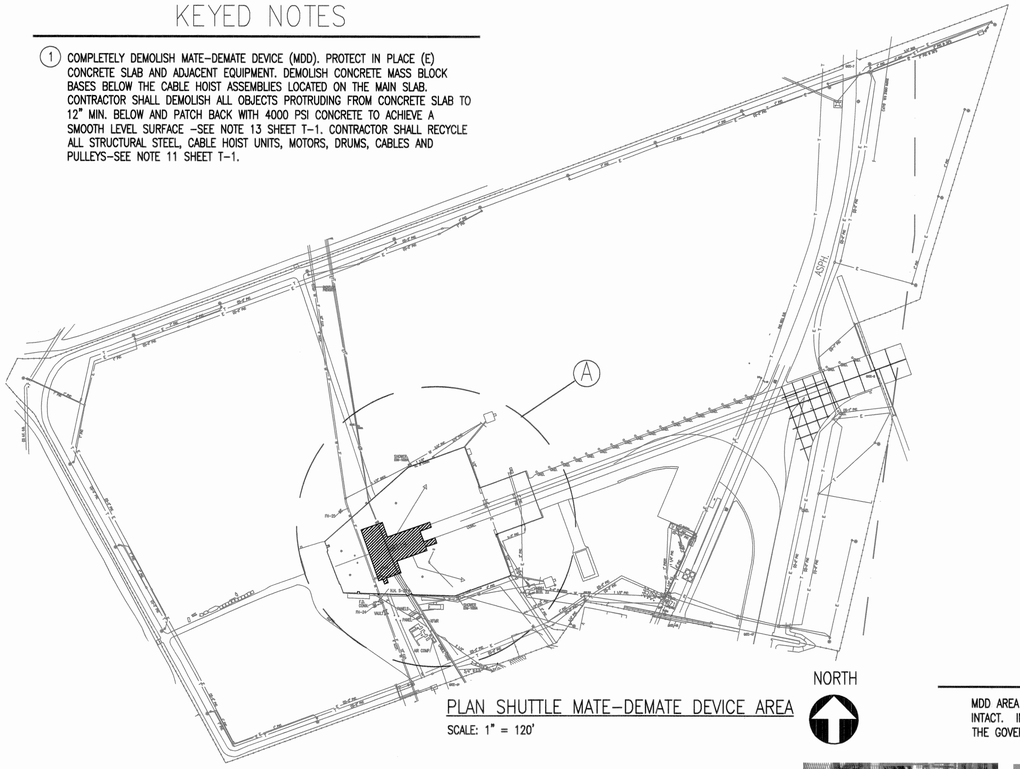
PROJECT TITLE
DEMOLISH SHUTTLE MATE–DEMATE DEVICE (NB–119)
100% FINAL DESIGN

APPROVALS	DATE
Chief, Facilities Engineering & Asset Mgmt. Office	7/9/13
Project Requestor/Customer	7/9/13
Facilities Project Manager	7/8/13
Chief, Office of Protective Services	7/8/13
Chief, Safety, Quality & Environmental Office	7/8/13
Chief Information Officer	7/8/13

DATE STRTD	12/8/11	DATE PRNTD	7/1/13
DRAWN BY	dwl		
SCALE	AS NOTED	TRADE SH. No.	EDM–1711A
FILE NAME	EDM–1711A	T–1	SHEET No. 1 of 2

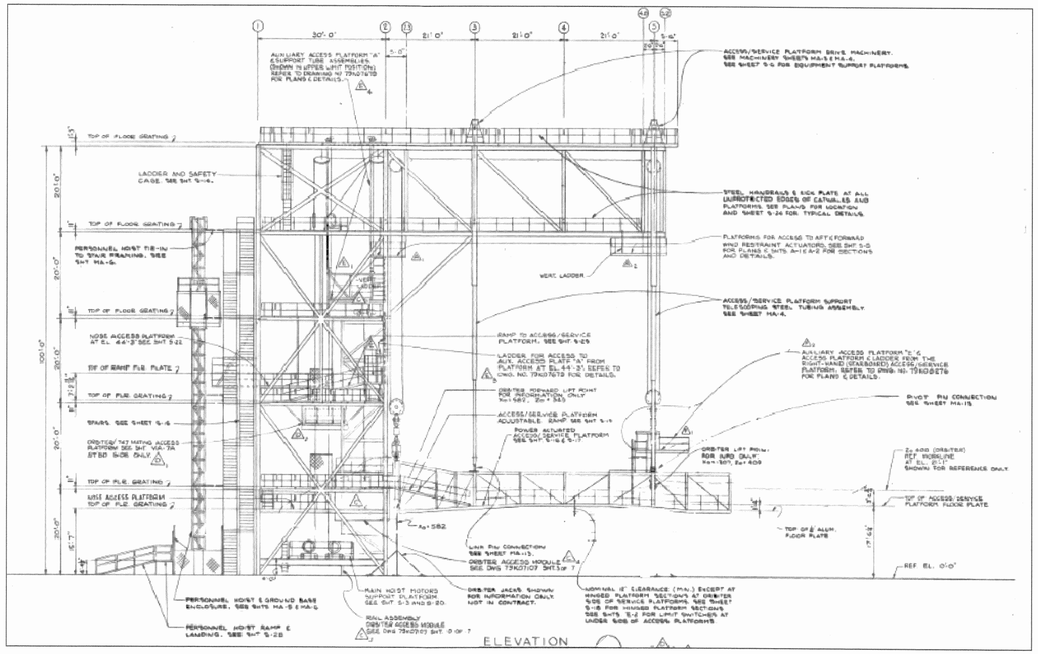
KEYED NOTES

(1) COMPLETELY DEMOLISH MATE–DEMATE DEVICE (MDD). PROTECT IN PLACE (E) CONCRETE SLAB AND ADJACENT EQUIPMENT. DEMOLISH CONCRETE MASS BLOCK BASES BELOW THE CABLE HOIST ASSEMBLIES LOCATED ON THE MAIN SLAB. CONTRACTOR SHALL DEMOLISH ALL OBJECTS PROTRUDING FROM CONCRETE SLAB TO 12" MIN. BELOW AND PATCH BACK WITH 4000 PSI CONCRETE TO ACHIEVE A SMOOTH LEVEL SURFACE –SEE NOTE 13 SHEET T–1. CONTRACTOR SHALL RECYCLE ALL STRUCTURAL STEEL, CABLE HOIST UNITS, MOTORS, DRUMS, CABLES AND PULLEYS–SEE NOTE 11 SHEET T–1.



PLAN SHUTTLE MATE–DEMATE DEVICE AREA
SCALE: 1" = 120'

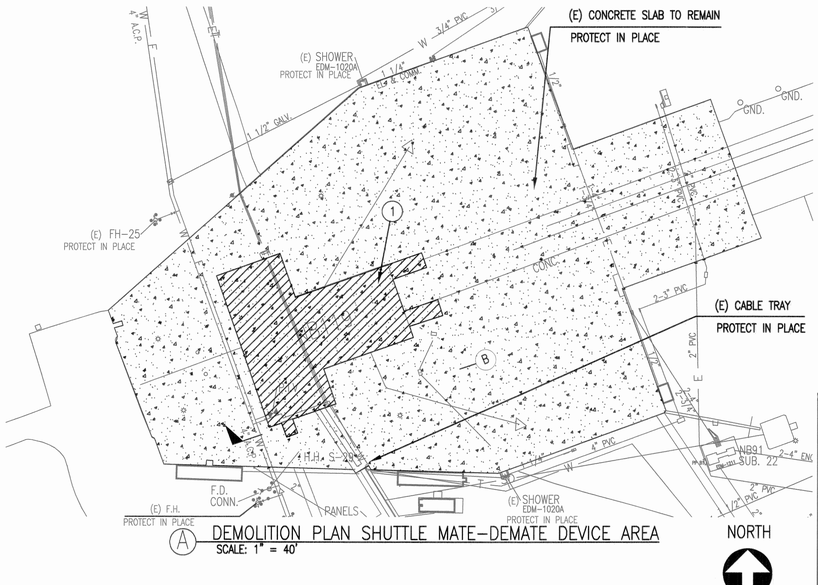
NORTH



(B) MDD ELEVATION NTS

HISTORICAL SALVAGE

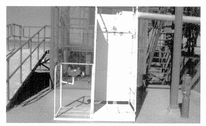
MDD AREA ITEMS SHOWN TO BE REMOVED AND SALVAGED FOR THE GOVERNMENT INTACT. IN ADDITION, ONE ADDITIONAL LIGHT (SEE (1)) TO BE SALVAGED FOR THE GOVERNMENT INTACT.



(A) DEMOLITION PLAN SHUTTLE MATE–DEMATE DEVICE AREA
SCALE: 1" = 40'

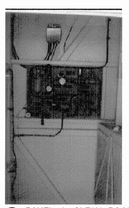
NORTH

(1) LIGHTS (+/– 4 EACH) SEE NOTES


(2) EYEWASH / SHOWER (2) EACH

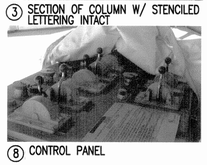
(3) SECTION OF COLUMN W/ STENCILED LETTERING INTACT

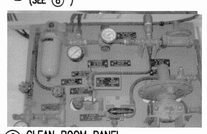
(4) DESK & CONTROL PANEL (SEE (8))


(5) PANEL & CLEAN ROOM (SEE (9))

(6) SIGNS

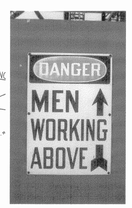
(7) KILL SWITCH BOX AND SIGN


(8) CONTROL PANEL


(9) CLEAN ROOM PANEL (SEE (5))

(10) SIGNS (+/– 2 EACH)

(11) SIGN

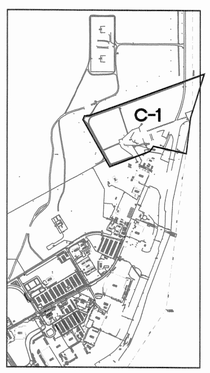


(12) SIGN

(13) PAGING CABINET

(14) CALL BOX & TELEPHONE (2 EACH)

(15) HANGING DESK BULLETIN BOARD



KEY PLAN SCALE: 1" = 1000'

DATE	SYM	REVISION	BY	A'PD

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Chief, Safety, Health & Environmental Office	7/8/13
DFRC Chief Information Officer	7/8/13

DATE STRTD	12/6/11	DATE PRNTD	7/1/13
DRAWN BY	DWL		
SCALE	AS NOTED	TRADE SK. No.	EDM–1711
FILE NAME	EDM–1711	C–1	SHEET No. 2 of 2