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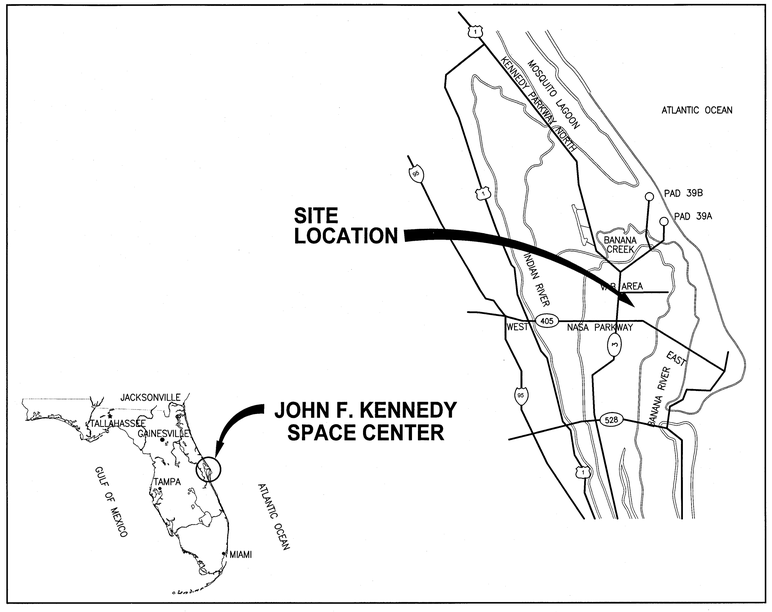
SPECIFICATION REFERENCE NO 79K39394

CLOSE/DEMO FACILITIES & STRUCTURES, VARIOUS LOCATIONS, PCN 97963.9, PACKAGE 4



VICINITY MAP
NTS

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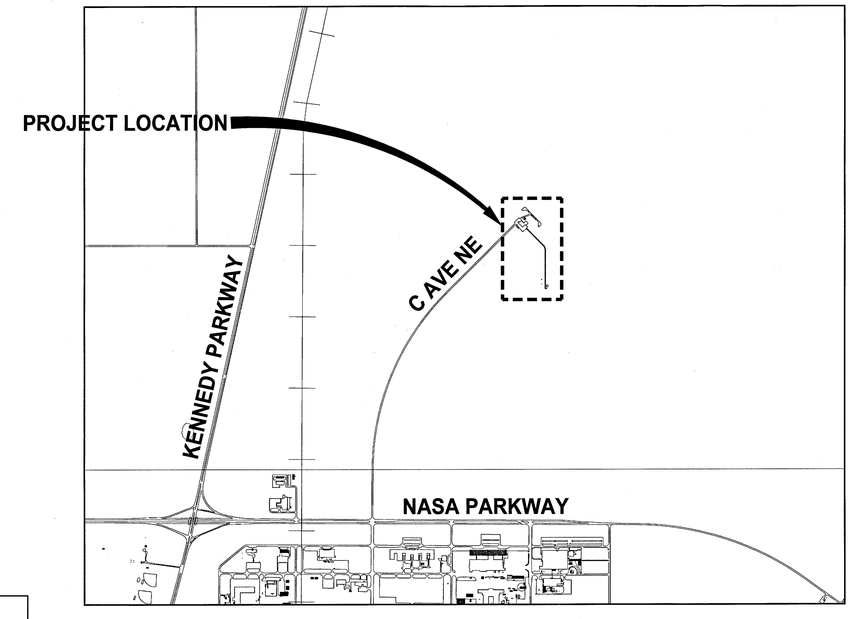

PROJECT LOCATION
NTS

Facility #	Facility Name
L7-1557	Environmental Health Facility
L7-1557C	Storage Building
L7-1557D	Asbestos Testing Lab
L7-1759	Lightning Detection & Ranging Site Tower
L7-1759A	Equipment Shelter
L7-1759B	Equipment Shelter

NASA KSC Export Control Office (ECO) Export/SBU Determination Record

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DOCUMENT INFORMATION: (TITLE, NUMBER, REV, DATE)
Close/Demo Facilities and Structures, Various Locations,
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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

COVER SHEET

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	V1

PROJ. NO. 97963.9 SHEET 1 OF 34

KSC FORM 1-11 (3/76)(C/G 3/94)

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ABBREVIATIONS

AB	AS-BUILT
AC	ASBESTOS CEMENT
A/C	AIR CONDITIONING
ACM	ASBESTOS CONTAINING MATERIAL
AIP	ABANDON IN PLACE
Ag	SILVER
AMIS	ASBESTOS MANAGEMENT INFORMATION SYSTEM
As	ARSENIC
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
Ba	BARIUM
BFG	BELOW FINISHED GRADE
BFP	BACK FLOW PREVENTER
BTM	BOTTOM
C&D	CONSTRUCTION AND DEMOLITION
CCAFS	CAPE CANAVERAL AIR FORCE STATION
Cd	CADMIUM
CF	CUBIC FOOT
CFR	CODE OF FEDERAL REGULATIONS
CI	CAST IRON
℄	CENTER LINE
CL	CONSTRUCTION LIMITS
CO	CONTRACTING OFFICER
COMM	COMMUNICATIONS
CONC	CONCRETE
COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE
CP	CAMERA POLE
Cr	CHROMIUM
DARCY	DIVERTED AGGREGATE RECLAMATION AND COLLECTION YARD
DBPR	DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
DEL	DELUGE
DI	DUCTILE IRON
DIA/ø	DIAMETER
DOD	DEPARTMENT OF DEFENSE
DWG	DRAWING
EA	EACH
EDC	ENGINEERING DOCUMENTATION CENTER
EL	ELEVATION
EOP	EDGE OF PAVEMENT
EPA	ENVIRONMENTAL PROTECTION AGENCY
FAC	FLORIDA ADMINISTRATIVE CODE
FAR	FEDERAL ACQUISITION REGULATION
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FJ	FLANGED JOINT
FNPT	FEMALE NATIONAL PIPE THREAD
FSA	FUEL STORAGE AREA
FT	FOOT
FW	FIREX
GALV	GALVANIZED
GV	GATE VALVE
H	HIGH
HDPE	HIGH DENSITY POLYETHYLENE
Hg	MERCURY
HMID	HAZARDOUS MATERIALS IDENTIFICATION
HTHW	HIGH TEMPERATURE HOT WATER
IE	INVERT ELEVATION
IHA	INNOVATIVE HEALTH APPLICATIONS
IN	INCH
KICS	KENNEDY INTEGRATED COMMUNICATIONS SERVICES
KSC	KENNEDY SPACE CENTER
LBS	POUNDS
LC	LAUNCH COMPLEX
LF	LINEAR FOOT
LP	LIGHT POLE, ALUMINUM
MAX	MAXIMUM
mg/kg	MILLIGRAMS PER KILOGRAM
mg/L	MILLIGRAMS PER LITER
MIN	MINIMUM
MJ	MECHANICAL JOINT
MNPT	MALE NATIONAL PIPE THREAD
NASA	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
#	NUMBER DESIGNATION
OC	ON CENTER
OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OP	OPPOSITE
OPS	OPERATIONS
Pb	LEAD
PCB	POLYCHLORINATED BIPHENYL
PE	PLAIN END
PIV	POST INDICATOR VALVE
POC	POINT OF CONTACT
POJ	PUSH ON JOINT
POL	PETROLEUM, OILS AND LUBRICANTS
PPE	PERSONAL PROTECTIVE EQUIPMENT
PPM	PARTS PER MILLION
PRL	POTENTIAL RELEASE LOCATION
PWQ	PROCESS WASTE QUESTIONNAIRE
PVC	POLYVINYL CHLORIDE
RCRA	RESOURCE CONSERVATION AND RECOVERY ACT
REQ	REQUIRED
RMJ	RESTRAINED MECHANICAL JOINT
RPZ	REDUCED PRESSURE ZONE
RRMF	REUSE, RECYCLING, AND MARKETING FACILITY
SD	STORM DRAIN
Se	SELENIUM
SF	SILT FENCE
SJRWMD	SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT
SP	SOLAR POLE
SS	STAINLESS STEEL, SUB-STATION (ELECTRICAL)
SQ	SQUARE
STD	STANDARD
SWMU	SOLID WASTE MANAGEMENT UNIT
T&B	TOP AND BOTTOM
T/FDN	TOP OF FOUNDATION
THK	THICK
THRD	THREADED
TRP	TECHNICAL RESPONSE PACKAGE
TSCA	TOXIC SUBSTANCES CONTROL ACT
TYP	TYPICAL
UGE	UNDERGROUND ELECTRICAL
UNO	UNLESS NOTED OTHERWISE
USA	UNITED SPACE ALLIANCE
VFI	VACUUM FAULT INTERRUPTER
VIF	VERIFY IN FIELD
W/	WITH
WP	WOOD POLE WITH LIGHTS
WWF	WELDED WIRE FABRIC

LEGEND

- DEMOLITION AREA
- —SF— SILT FENCE
- —CL— CLEARING LIMITS
- RIBBON CURB

SURVEY LEGEND

SYMBOL LEGEND

- = BACK-FLOW PREVENTER
- = BOLLARD
- = CURB INLET, STORM GRATE
- = CONCRETE LIGHT POLE
- = CLEAN-OUT (SANITARY)
- = CONCRETE POWER POLE
- = ELECTRIC MARKER
- = ELECTRIC BOX
- = ELECTRIC HANDHOLE
- = ELECTRIC METER
- = ELECTRIC MANHOLE
- = ELECTRIC TRANSFORMER
- = FIRE DEPARTMENT CONNECTION
- = FIRE METER
- = FIBER OPTIC CABLE MARKER
- = FIBER OPTIC CABLE HANDHOLE
- = GAS MARKER
- = GAS METER
- = GUY
- = GAS VALVE
- = HYDRANT
- = INDICATOR VALVE
- = LIGHT POLE
- = MANHOLE, UNKNOWN
- = MANHOLE, SANITARY SEWER
- = MANHOLE, STORM SEWER
- = MONITORING WELL
- = STORM GRATE
- = SIGN
- = SEWER VALVE
- = SPRINKLER HEAD
- = TELEPHONE HANDHOLE
- = TELEPHONE BOX
- = TELEPHONE MARKER
- = TELEPHONE MANHOLE
- = TELEPHONE PEDESTAL
- = TRAFFIC SIGNAL BOX
- = TRAFFIC SIGNAL
- = UTILITY BLOW-OFF
- = WATER MARKER
- = WATER METER
- = WATER SPIGOT
- = WATER VALVE
- = WELL
- = WOOD POWER POLE

LINETYPE LEGEND

- = BUILDING
- = BUILDING (ROOF OVERHANG)
- = CENTERLINE
- = CONCRETE
- = CURB
- —EOP— = EDGE OF PAVEMENT
- = EDGE OF ROAD
- —×—×— = FENCELINE
- —HTHW— = HIGH TEMPERATURE HOT WATER
- = TREELINE
- = WALL
- = BREAKLINE
- = CENTERLINE DITCH
- —TOE— = TOE OF SLOPE
- —TOB— = TOP OF BANK
- —UGTV—UGTV— = UNDERGROUND CABLE TV
- —UGE—UGE— = UNDERGROUND ELECTRIC
- —FOC—FOC— = UNERGROUND FIBER OPTIC CABLE
- = UNDERGROUND UNKNOWN UTILITY
- —GAS—GAS— = UNDERGROUND GAS
- = RAILROAD
- —SAN—SAN— = SANITARY SEWER
- —SFM—SFM— = SANITARY FORCEMAIN
- = SITE FEATURE
- = STORM SEWER
- —UGT—UGT— = UNDERGROUND TELEPHONE
- —UGW— = UNDERGROUND WATER
- —UGCW—UGCW— = UNDERGROUND CHILLED WATER
- = PAVEMENT STRIPING (WHITE DASHED)
- = PAVEMENT STRIPING (WHITE SOLID)
- = PAVEMENT STRIPING (YELLOW DASHED)
- = PAVEMENT STRIPING (YELLOW SOLID)
- = PAVEMENT STRIPING (BLUE SOLID)

DRAWING INDEX

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	5	C1	STORMWATER POLLUTION PREVENTION PLAN NOTES
	6	C2	STORMWATER POLLUTION PREVENTION PLAN DETAILS AND FORM
	7	C3	STORMWATER POLLUTION PREVENTION PLAN
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	17	D10	BUILDING L7-1557 AS-BUILTS
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	23	D16	BUILDINGS L7-1557 & L7-1557C PHOTOS
	24	D17	BUILDING L7-1557 PHOTOS
	25	D18	L7-1557D & L7-1759 PHOTOS
	26	D19	BUILDINGS L7-1759A & L7-1759B PHOTOS
	27	D20	DETAILS
	28	D21	DETAILS
	29	E1	GENERAL ELECTRICAL NOTES
	30	E2	SITE PLAN BUILDINGS L7-1557 L7-1557C & L7-1557D
	31	E3	SITE PLAN L7-1759 L7-1759A & L7-1759B
	32	E4	ELECTRICAL ONE-LINES BUILDINGS L7-1557 L7-1557C & L7-1557D
	33	E5	BUILDING L7-1557, BUILDING L7-1557C, AND BUILDING L7-1557D PHOTOS
	34	E6	BUILDING L7-1759, BUILDING L7-1759A, AND BUILDING L7-1759B PHOTOS

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I. OTERO	6.12.13

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

DRAWING INDEX, ABBREVIATIONS, AND LEGEND

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PROJ. NO. 97963.9 SHEET 2

V2

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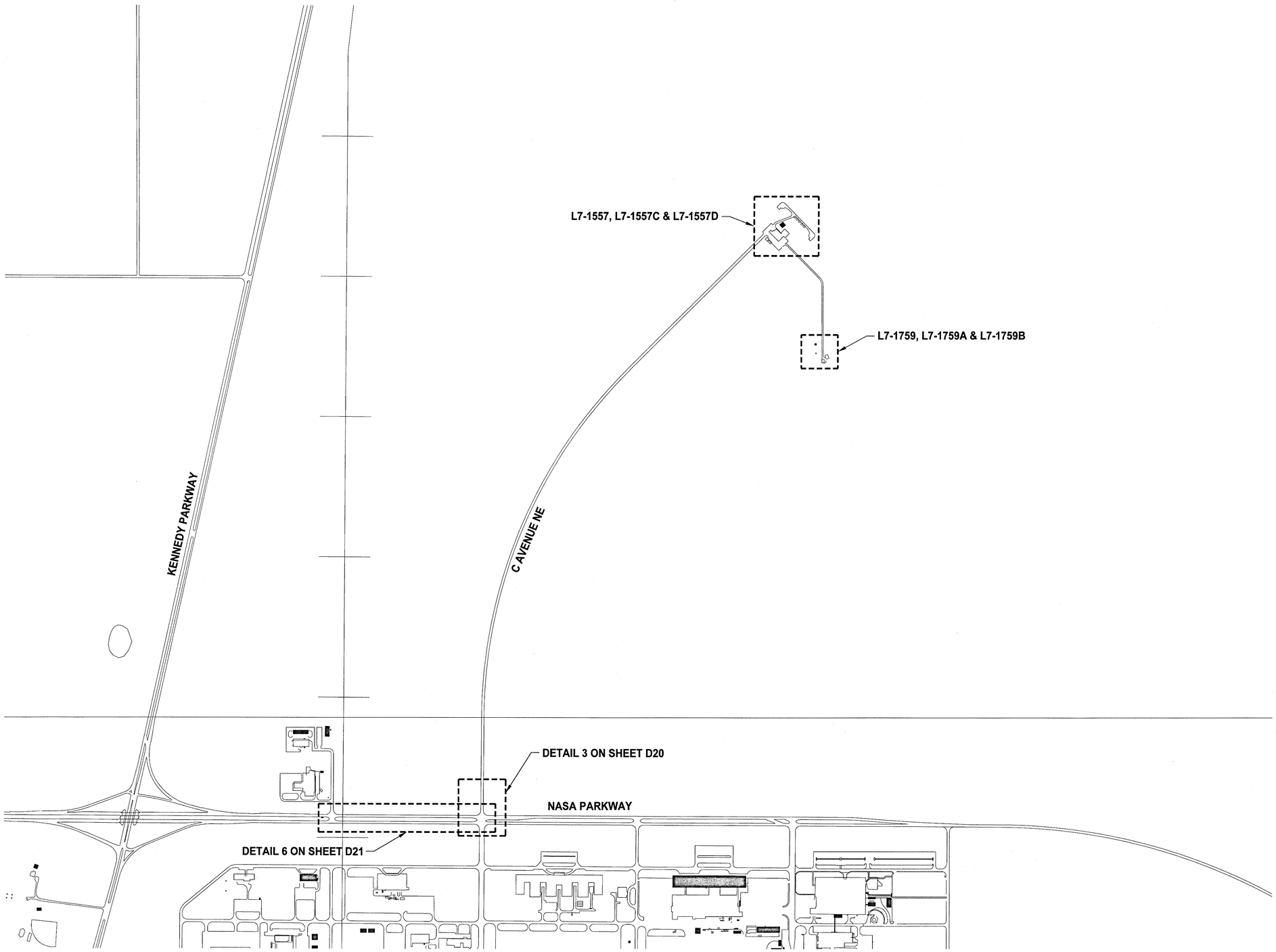

KEY MAP

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

KEY MAP

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V3

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PCB PAINT SCHEDULE

FACILITY	LOCATION	DESCRIPTION	CONCENTRATION (PPM)
L7-1557C	WHITE PAINT ON BUILDING INTERIOR METAL BEAMS	WHITE (DEGRADED)	1.1 U
L7-1557C	SILVER PAINT ON ROOF	SILVER	A
L7-1759	ORANGE OVER WHITE ON ANTENNA TOWER	ORANGE AND WHITE	1.1 U
L7-1759	WHITE OVER RED ON METAL STORAGE SHED	WHITE/RED	1.1 U
L7-1557	ELECTRICAL EQUIPMENT	ELECTRICAL EQUIPMENT	>50*
L7-1557D	ELECTRICAL EQUIPMENT	ELECTRICAL EQUIPMENT	<50*

NOTE: GENERATOR KNOWLEDGE OF FACILITIES WITH ELECTRICAL COMPONENETS INSTALLED AFTER 1980 HAVE SHOWN PCBS IN ELECTRICAL EQUIPMENT PAINT COATINGS TO BE <50 PPM. SAMPLING AND TESTING FOR PCBS IN PAINTS AND COATINGS ON ELECTRICAL EQUIPMENT IS RECOMMENDED FOR BUILDINGS CONSTRUCTED BEFORE 1980 TO MAXIMIZE EQUIPMENT RECYCLING AND MINIMIZE WASTE DISPOSAL. PAINT COATINGS ON ELECTRICAL EQUIPMENT THAT APPEAR TO HAVE THE SAME COLOR PAINT AS PAINT COATINGS ON OTHER ITEMS WITHIN THE SAME FACILITY CAN BE ASSUMED TO HAVE SIMILAR PCB CONCENTRATIONS.

* – ELECTRICAL EQUIPMENT IN FACILITY L7–1557 WAS INSTALLED BEFORE 1980 AND IS ASSUMED TO CONTAIN PCBS AT CONCENTRATIONS > 50 PPM. ELECTRICAL EQUIPMENT AT FACILITY L7–1557D WAS INSTALLED AFTER 1980 AND PCB CONCENTRATIONS <50 PPM ARE BASED ON GENERATOR KNOWLEDGE.

A – INDICATES THAT THE PAINT IS ASSUMED TO CONTAIN PCBS AT CONCENTRATIONS > 50 PPM.

U – INDICATES THAT THE PCB COMPOUNDS WERE ANALYZED FOR BUT NOT DETECTED. THE NUMBER REPORTED REPRESENTS THE DETECTED CONCENTRATION PLUS HALF OF THE SUM OF THE LABORATORY DETECTION LIMITS FOR NON–DETECTED ANALYTES."

ENVIRONMENTAL NOTES

1. THE PROJECT SITES LISTED ARE WITHIN THE BOUNDARY OF A SOLID WASTE MANAGEMENT UNIT OR A POTENTIAL RELEASE LOCATION BEING INVESTIGATED BY THE NASA REMEDIATION GROUP. KNOWN SWMU SITES INCLUDE: SWMU #079 (FACILITIES L7–1557, L7–1557C, AND L7–1557D). A SWMU/PRL DESIGNATION MEANS A SITE HAS HAD HISTORICAL OPERATIONS WHICH HAD THE POTENTIAL TO IMPACT THE ENVIRONMENT.

   SOIL EXCAVATED FROM THE LAND SURFACE TO ANY DEPTH SHALL BE RETURNED TO THE AREA OF EXCAVATION FROM WHICH IT WAS REMOVED. EXCAVATED SOIL THAT CANNOT BE RETURNED TO THE AREA FROM WHICH IT WAS REMOVED SHALL BE CONTAINERIZED, SAMPLED AND DISPOSED OF IN ACCORDANCE WITH THE (PWQ/TRP) PROCESS.

2. HEAVY METALS IN PAINT AND MATERIALS HAVE BEEN ASSUMED IN AND ON THE FACILITIES TO BE DEMOLISHED. CONCENTRATIONS ARE LOW ENOUGH IN RELATION TO OVERALL WEIGHT OF THE STRUCTURE THAT THE GOVERNMENT WILL ALLOW THE DISPOSAL OF THE STRUCTURES AT THE GOVERNMENT OWNED KSC CLASS III LANDFILL SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. RECYCLING IS PERMITTED AND SHALL BE IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

3. THE CONTRACTOR SHALL DISPOSE OF PRESSURE TREATED WOOD POLES IN ACCORDANCE WITH NASA SPECIAL CONDITIONS CONTRACT CLAUSES. PRESSURE TREATED WOOD POLES CAN BE DISPOSED OF AT THE BREVARD COUNTY LANDFILL.

4. PCBS IN PAINTS HAVE BEEN TESTED ON SELECTED FACILITY COMPONENTS TO DETERMINE WHETHER THEY CONTAIN PCB CONCENTRATIONS AT LESS THAN THE REGULATED LIMITS AND THUS MAY BE RECYCLED. REFER TO THE PAINT SCHEDULES FOR MORE INFORMATION. ALL PAINTED BLOCK, CONCRETE, AND SLABS SHALL BE DISPOSED OF AT THE KSC CLASS III LANDFILL. ONLY CLEAN UNPAINTED AND UNSTAINED CONCRETE AND SLABS CAN BE TAKEN TO THE DARCY AT THE KSC CLASS III LANDFILL. MANUFACTURER'S PAINT COATINGS AND OTHER PAINTS THAT HAVE NOT BEEN TESTED SHALL BE ASSUMED TO BE PCB BULK PRODUCT WASTE OR SHALL BE SAMPLED TO DETERMINE PCB CONCENTRATIONS. PCB BULK PRODUCT WASTE SHALL BE DISPOSED OF AT THE KSC CLASS III LANDFILL.

5. THE CONTRACTOR SHALL CLEAN AND CERTIFY ALL STORAGE TANKS WITHIN THIS PROJECT AS CLEAN IN ACCORDANCE WITH THE REGULATIONS, BEFORE DEMOLITION.

6. CONTRACTOR SHALL NOT DESTROY OR DISTURB ANY WETLANDS IN ACCORDANCE WITH SPECIFICATIONS.

ASBESTOS ABATEMENT NOTES

1. ASBESTOS CONTAINING MATERIALS (ACM) HAVE BEEN IDENTIFIED IN AND ON THE FACILITIES TO BE DEMOLISHED. THE CONTRACTOR SHALL HANDLE AND DISPOSE OF ACM IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REQUIREMENTS AND THE CONTRACT DOCUMENTS.

2. ASBESTOS INFORMATION IS BASED ON AN ASBESTOS SURVEY REPORT PROVIDED BY JONES EDMUNDS (JE). NON–DESTRUCTIVE TESTING WAS USED IN COLLECTING INFORMATION PROVIDED IN THIS REPORT. SURVEY INFORMATION, INCLUDING MATERIAL, QUANTITY, AND CONDITION SHALL BE REVIEWED AT THE TIME FACILITY OR SYSTEM MODIFICATIONS ACTUALLY OCCUR, TO ENSURE MATERIALS HAVEN'T BEEN MODIFIED. A COMPLETE COPY OF THE ASBESTOS SURVEY BY FACILITIES CAN BE OBTAINED FROM THE CONTRACTING OFFICER.

3. UNLESS NOTED OTHERWISE, PRIOR TO DEMOLITION ABATE AND DISPOSE OF ALL ACM. REFER TO THE ASBESTOS SCHEDULE IN THE CONTRACT SPECIFICATIONS FOR LOCATIONS OF ACM.

4. NON–FRIABLE ASBESTOS WILL BE ACCEPTED AT THE KSC CLASS III LANDFILL UPON DETERMINATION USING KSC FORM 28–1024 AND SIGNED BY THE NASA ENVIRONMENTAL BRANCH CHIEF. A RECEIPT OF DISPOSAL SHALL BE COPIED TO THE CONTRACTING OFFICER. DISPOSAL OF ALL FRIABLE ACM DEMOLITION DEBRIS SHALL BE AT THE BREVARD COUNTY LANDFILL LOCATED ON ADAMSON ROAD IN COCOA, FL. THE CONTRACTOR SHALL NOTIFY THE KSC CLASS III AND BREVARD COUNTY LANDFILLS 24 HOURS IN ADVANCE OF DELIVERY OF ASBESTOS CONTAINING MATERIALS.

5. ITEMS SHOWN IN THE ASBESTOS COLUMN OF THE SCHEDULES AS "YES*" HAVE BEEN ASSUMED TO CONTAIN ASBESTOS DUE TO THE CRITICAL NATURE ASSOCIATED WITH THE SYSTEM. THE CONTRACTOR SHALL ASSUME THESE ITEMS ARE POSITIVE FOR ASBESTOS. THE CONTRACTOR HAS THE OPTION TO SAMPLE MATERIAL BEFORE DEMOLITION BEGINS IN ORDER TO MINIMIZE THE DEMOLITION SCHEDULE.

6. BASED ON GENERATOR KNOWLEDGE, COMPOSITE SAMPLES OF DRYWALL AND JOINT COMPOUND CONTAIN LESS THAN 1% ASBESTOS AND THEREFORE CAN BE REMOVED AS NON–ACM. THE CONTRACTOR SHALL REFER TO THE ASBESTOS SCHEDULES AND LABORATORY RESULTS FOR INDIVIDUAL ASBESTOS QUANTITIES OF DRYWALL AND JOINT COMPOUND FOR WORKER PROTECTION.

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

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SIGNATURES	DATE
DRAWN S. HAFERKAMP	06/10/13
CHECKED M. HAYS	06/10/13
SUBMITTED R. RIVERA	06/10/13
ST of LICENSURE: FL LICENSE NO: 65681	06/10/13
APPROVED D. TOTH	6/18/13
I. OTERO	6.17.13

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

ENVIRONMENTAL AND ASBESTOS NOTES AND SCHEDULES

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OWNERS REQUIREMENTS

CLOSE / DEMOLISH VARIOUS FACILITIES AND EQUIPMENT
KENNEDY SPACE CENTER, FLORIDA (BREVARD COUNTY)

OWNER AND ADDRESS:

NASA
KENNEDY SPACE CENTER, FLORIDA (BREVARD COUNTY)

DEMOLITION AND REMOVAL OF VARIOUS FACILITIES.

SOIL DISTURBING ACTIVITIES WILL INCLUDE:
CLEARING AND GRUBBING; PERIMETER, AND OTHER EROSION AND SEDIMENT CONTROLS; EXCAVATION FOR DEMOLITION OF PAVEMENT AND FACILITY FOUNDATIONS.

RUNOFF COEFFICIENT:
PRE–CONSTRUCTION – 0.42
DURING CONSTRUCTION – 0.26
POST–CONSTRUCTION – 0.10

SOILS:

SITE MAPS:

SEE ATTACHED C SHEETS FOR LOCATION OF TEMPORARY STABILIZATION PRACTICES.

SEE GENERAL NOTES AND SPECIFICATIONS FOR REQUIREMENTS FOR TEMPORARY AND PERMANENT STABILIZATION.

SITE AREA::
TOTAL AREA OF SITES – ± 2 ACRES

TOTAL AREA TO BE DISTURBED – 0.90 ACRES (ESTIMATED)

NAME OF RECEIVING WATERS:
DITCHES TO INDIAN RIVER AND BANANA RIVER LAGOON.

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS AS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE, AND LOCAL LAWS. REFER TO 'CONTRACTORS REQUIREMENTS' FOR A DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.

STORM WATER MANAGEMENT

AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE.

REFER TO 'CONTRACTORS REQUIREMENTS' FOR THE TIMING OF CONTROL/MEASURES.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

IN AN EFFORT TO ENSURE COMPLIANCE WITH FEDERAL, STATE, AND LOCAL LAWS REGARDING EROSION AND TURBIDITY CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED.

D.E.P. DREDGE/FILL PERMIT # N/A
A.C.O.E. DREDGE/FILL PERMIT # N/A
S.J.R.W.M.D. M.S.S.W. PERMIT # N/A

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: ______________________

TITLE: ______________________

DATE: ______________________

CONTRACTOR REQUIREMENTS

GENERAL

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION.

SEQUENCE OF MAJOR ACTIVITIES

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS.

1. COMPLETE AND SUBMIT NOTICE OF INTENT (NOI) TO FDEP (BY OWNER)
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE. (IF NECESSARY)
3. INSTALL SILT FENCES
4. DEMOLISH FACILITIES AND PAVEMENT INCLUDING FOUNDATIONS.
5. STOCK PILE TOP SOIL (IF NECESSARY).
6. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED.
7. STABILIZE CLEARED AREAS AND STOCKPILES AS SOON AS PRACTICABLE.
8. INSTALL PERMANENT SEEDING/SOD AS SOON AS POSSIBLE
9. REMOVE ACCUMULATED SEDIMENT FROM BASINS AND DITCHES.
10. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/SOD AS REQUIRED.
11. COMPLETE AND SUBMIT NOTICE OF TERMINATION (NOT) TO FDEP (BY OWNER)

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN.

CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROL ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL STATE AND LOCAL EROSION AND SEDIMENT CONTROL PLAN AND AS REQUIRED TO MEET THE SEDIMENT AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

EROSION AND SEDIMENT CONTROLS
STABILIZATION PRACTICES

1. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
   A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 0.5 AC.
2. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.
3. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT–FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL UP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.
4. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.
5. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, ERODIBLE SOIL EXPOSED BY CLEARING GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 0.5 AC. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREA WILL NOT SIGNIFICANTLY AFFECT OFF–SITE DEPOSIT OF SEDIMENTS.
6. INLET PROTECTION: INLETS AND CATCH BASINS WITH DISCHARGE DIRECTLY OFF–SITE SHALL BE PROTECTED FROM SEDIMENT–LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
7. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE–EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 21 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS. SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPLETE WITH THE PERMANENT GRASSING.
8. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN ITEM 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 6" LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH OR HYDROMULCHED.
9. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
10. TEMPORARY REGRASSING: IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTACHED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
11. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
12. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
13. PERMANENT SODDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SODDED. THE SOD MUST PROVIDE BOTH LONG–TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION.

CONTRACTOR REQUIREMENTS

STRUCTURAL PRACTICES

1. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT–TRAPPING FACILITY.
2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP IS USUALLY INSTALLED IN A DRAINAGE WAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA WITH THE FOLLOWING LIMITATIONS:
   A. THE SEDIMENT TRAP MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE.
3. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE VELOCITY OF FLOW AT DESIGN CAPACITY OF THE OUTLET WILL EXCEED THE PERMISSIBLE VELOCITY OF THE RECEIVING CHANNEL OR AREA.

OTHER CONTROLS

WASTE DISPOSAL

WASTE MATERIALS

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES THE DAY–TO–DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY–TO–DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED AREA ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIAL OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

CONCRETE	FERTILIZERS	WOOD
ASPHALT	PETROLEUM BASED PRODUCTS	STEEL
TAR	CLEANING SOLVENTS	ALUMINUM
	PAINTS	

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.

ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.

PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.

SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.

WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.

ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.

IF SURPLUS PRODUCT MUST BE DISPOSED OF MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER TO DITCHES, PONDS OR OTHER WATERWAYS. WASHWATER SHALL BE COLLECTED IN A TEMPORARY SETTLING POND.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE METHODS AND POSTED LOCATION.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE, BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (I.e. KITTY LITTER OR EQUAL), SAND SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY BY THE KENNEDY SPACE CENTER SPILL RECOVERY TEAM.

THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED IMMEDIATELY TO THE CONTRACTING OFFICER.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY–TO–DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL, WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP, THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

NO MORE THAN 1 ACRE OF THE SITE WILL BE CLEARED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONTRACTING OFFICER.

ALL CONTROL MEASURES WILL BE INSPECTED BY A CERTIFIED SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY–TO–DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF ANY STORM EVENT OF 0.50" OR GREATER.

ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE–THIRD THE HEIGHT OF THE FENCE.

SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

THE SEDIMENT BASINS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB.

DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.

TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE, AND LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED. THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON–COMPLIANCE.

THE SITE SUPERINTENDENT WILL SELECT UP TO THREE CERTIFIED INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.

PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. AND MUST ENFORCE THE FDEP NPDES SWPPP FOR THIS PROJECT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN WORKING ORDER.

NON–STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON–STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD.

WATER FROM WATER LINE FLUSHING.

PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON–STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN OR OTHER APPROPRIATE AREA PRIOR TO DISCHARGE TO EXISTING DITCHES OR WETLANDS.

CONTRACTORS CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

SIGNATURE	BUSINESS NAME & ADDRESS OF CONTRACTOR, ALL SUBS	RESPONSIBLE FOR/DUTIES
		GENERAL CONTRACTOR
		SUBCONTRACTOR
		SUBCONTRACTOR
		SUBCONTRACTOR
		SUBCONTRACTOR

THIS SPACE RESERVED

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REVISIONS

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SIGNATURES	DATE
DRAWN C. COFFEY	06/10/13
CHECKED K. RIVERA	06/10/13
SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
I. OTERO	6.12.13

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

STORMWATER POLLUTION PREVENTION PLAN NOTES

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 5

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FILE: \\titusmdi01\drafting\14000 Nasa\212-01_Design-Close-Demo-Var-Facs-FY13&14\Contract Drawings\Package 4\General\14000212P4-C01.dwg PRINTED: 6/10/2013 9:57 AM, BY USER: Kristian Perez LAST MODIFIED: 5/13/2013 2:53 PM, BY USER: CCoffey

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SEDIMENT AND EROSION CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM THE SITE IF NOT ALL REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.

2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.

3. ADDITIONAL PROTECTION – ON-SITE PROTECTION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNSEEN CONDITIONS OR ACCIDENTS.

4. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.

5. WIRE MESH SHALL BE LAID OVER THE DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM IF 12" BEYOND EACH SIDE OF THE INLET STRUCTURE. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 3/8" OPENINGS SHALL BE USED. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED.

6. FDOT NO.1 COARSE AGGREGATE SHALL BE PLACED OVER THE WIRE MESH AS INDICATED ON SEDIMENT FILTER DETAIL (SEE DETAIL THIS SHEET). THE DEPTH OF STONE SHALL BE AT LEAST 12" OVER THE ENTIRE INLET OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEAST 18" ON ALL SIDES.

7. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.

8. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH RAINFALL IT MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.

9. ANY SEDIMENT DEPOSITS REMAINING IN PLACE, AFTER THE FILTER BARRIERS AND SILT FENCES ARE NO LONGER REQUIRED, SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

10. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

11. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR SHOULD BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED IMMEDIATELY.

12. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.

13. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED 1/3 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA IN SUCH A MANNER THAT IT WILL NOT ERODE.

14. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND SWALES AS WELL AS PROVIDE MEASURES TO PREVENT SILTATION OF STORMWATER TREATMENT SYSTEMS AND CONTROL STRUCTURES DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL UTILIZE WHATEVER MEANS NECESSARY TO MANAGE STORMWATER SUCH THAT IMPACT TO CONSTRUCTION IS MINIMIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK, INCLUDING PROVIDING EQUIPMENT, LABOR, FILL, ETC. NECESSARY TO REMEDIATE AND/OR RESTORE ALL AREAS IMPACTED BY EROSION, RUNOFF, AND STORMWATER.

15. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL – A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (F.D.E.R.) CHAPTER 6.

16. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. SEE DETAILS (THIS SHEET) FOR TYPICAL CONSTRUCTION.

17. SOD SHALL BE PLACED IN AREAS WHICH REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITIES ARE MAINTAINED.

18. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL REMAIN ON-SITE AND IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING AREAS.

19. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT. IF THE DEWATERING ACTIVITIES ARE TO EXCEED THIS CAPACITY, THE CONTRACTOR SHALL CONTACT THE CONTRACTING OFFICER TO OBTAIN FORM RDS 50 AND SUBMIT THIS FORM TO THE CONTRACTING OFFICER.

20. ALL DEWATERING, EROSION, AND SEDIMENT CONTROL SHALL REMAIN IN PLACE UNTIL AFTER COMPLETION OF CONSTRUCTION, AND REMOVED ONLY WHEN AREAS HAVE BEEN STABILIZED.

21. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED AND MULCHED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED. CONTRACTOR SHALL USE ADDITIONAL MEASURES TO STABILIZE DISTURBED AREAS THROUGH COMPACTION, SILT SCREENS, AND GRASSING. ALL FILL SLOPES 4:1 OR STEEPER TO RECEIVE STAKED SOLID SOD.

22. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.

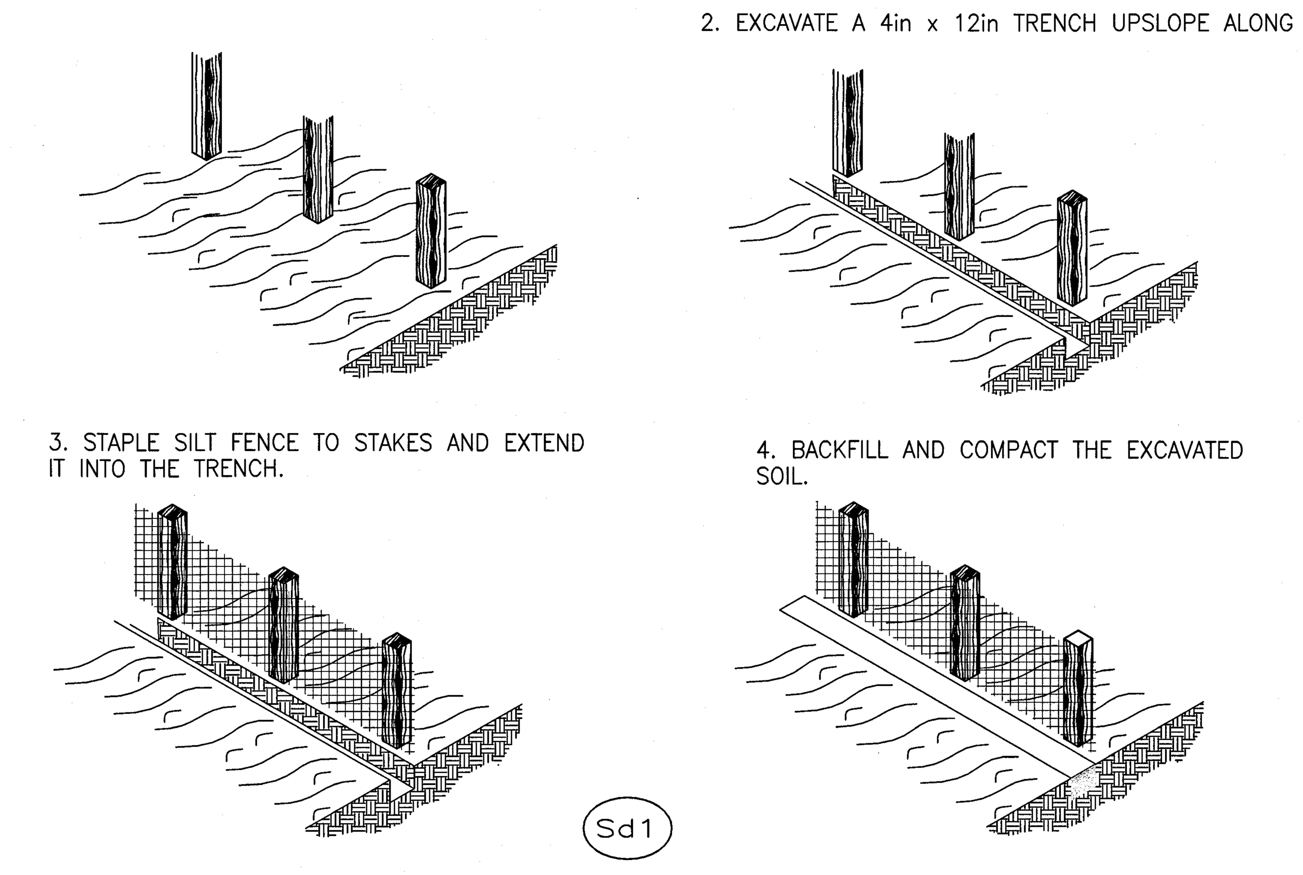
23. THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL WATER MANAGEMENT DISTRICT INQUIRES, RELATIVE TO COMPLIANCE OF SJRWMD FOR EROSION AND SEDIMENTATION CONTROL. THE COST OF THIS COMPLIANCE SHALL BE PART OF THE CONTRACT.

24. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS AND SPECIFICATIONS AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT RULES AND REGULATIONS.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A PERMANENT STAND OF SOD AND/OR GRASS PER THE CONTRACT DOCUMENTS THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND BREVARD COUNTY STANDARDS AND MEETING THE NPDES FINAL STABILIZATION REQUIREMENTS.

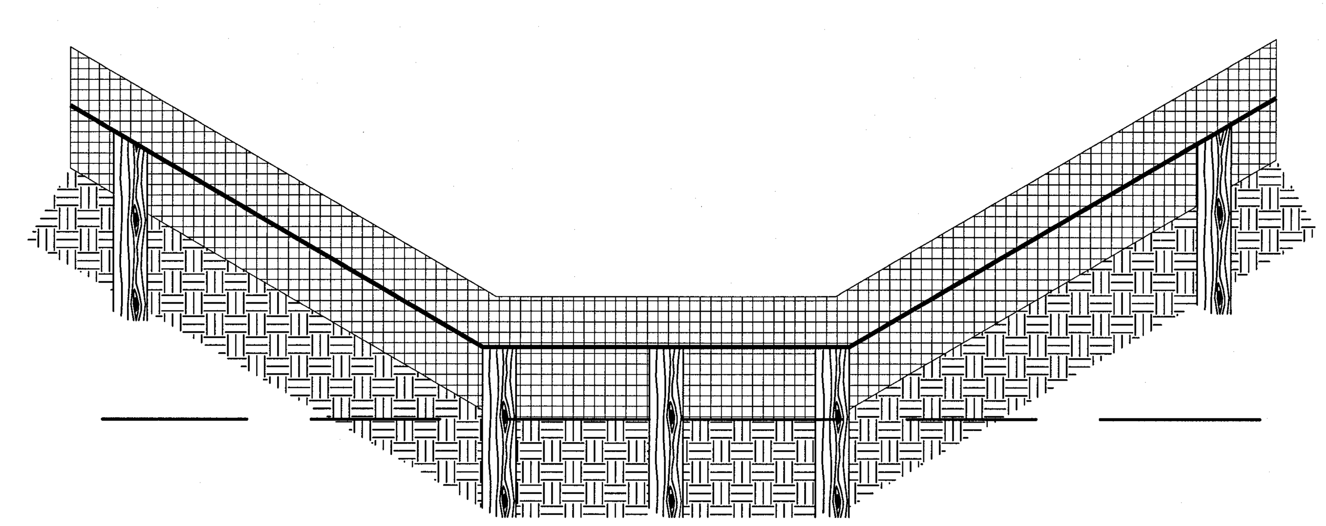
26. THESE PLANS INCLUDING THE POLLUTION PREVENTION PLAN INDICATE THE MINIMUM EROSION & SEDIMENT CONTROL MEASURES REQUIRED FOR THIS PROJECT. CONTRACTOR AS REQUIRED TO INSURE CONFORMANCE TO STATE AND FEDERAL WATER QUALITY STANDARDS AND MAY NEED TO INSTALL ADDITIONAL CONTROLS TO CONFORM TO AGENCIES REQUIREMENTS. IF A WATER QUALITY VIOLATION OCCURS, THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ALL DAMAGE AND ALL COSTS WHICH MAY RESULT INCLUDING LEGAL FEES, CONSULTANT FEES, CONSTRUCTION COSTS, AND FINES.

27. 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE GOVERNMENT WILL SUBMIT A "NOTICE OF INTENT" TO THE FDEP IN ACCORDANCE WITH NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM RULES AND REGULATIONS.



CONSTRUCTION OF A SILT FENCE

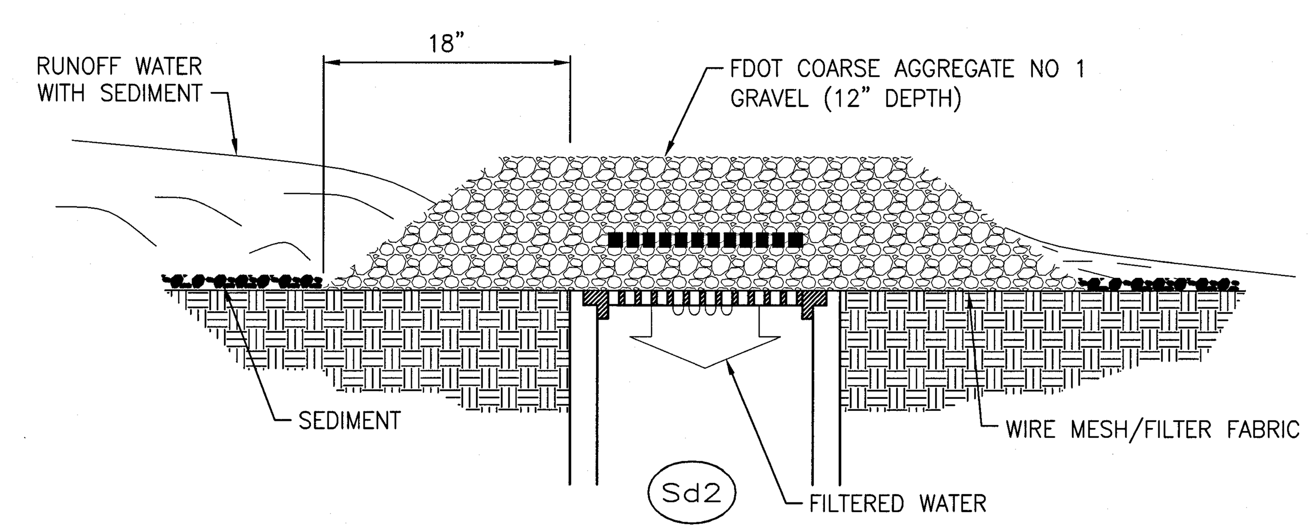
NTS



PROPER PLACEMENT OF A SILT FENCE IN A DRAINAGE WAY

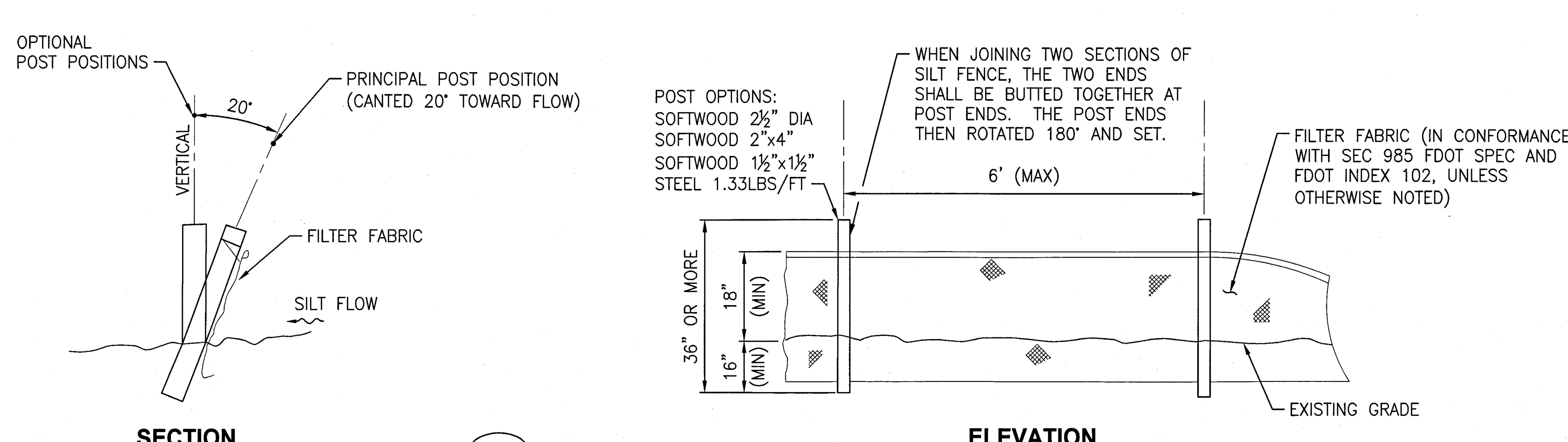
NTS

Sd1



GRAVEL AND MESH DROP INLET SEDIMENT FILTER

NTS



TYPICAL SILT FENCE

NTS

STORMWATER POLLUTION PREVENTION PLAN

INSPECTIONS MUST OCCUR AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM EVENT THAT IS 0.50 INCHES OR GREATER

INSPECTOR: ______________________ FDEP NPDES STORMWATER IDENTIFICATION NUMBER: FLR10__________

LOCATION	RAIN DATA	TYPE OF CONTROL (SEE BELOW)	DATE INSTALLED / MODIFIED	CURRENT CONDITION (SEE BELOW)	CORRECTIVE ACTION / OTHER REMARKS

CONDITION CODE:
G = GOOD
C = NEEDS TO BE CLEARED
M = MARGINAL, NEEDS MAINTENANCE OR REPLACEMENT SOON P = POOR, NEEDS IMMEDIATE MAINTENANCE OR REPLACEMENT
O = OTHER

CONTROL TYPE CODES

1. SILT FENCE	10. STORM DRAIN INLET PROTECTION	19. REINFORCED SOIL RETAINING SYSTEM	28. TREE PROTECTION
2. EARTH DIKES	11. VEGETATIVE BUFFER STRIP	20. GABION	29. DETENTION POND
3. STRUCTURAL DIVISION	12. VEGETATIVE PRESERVATION AREA	21. SEDIMENT BASIN	30. RETENTION POND
4. SWALE	13. RETENTION POND	22. TEMPORARY SEED / SOD	31. WASTE DISPOSAL / HOUSEKEEPING
5. SEDIMENT TRAP	14. CONSTRUCTION ENTRANCE STABILIZATION	23. PERMANENT SEED / SOD	32. DAM
6. CHECK DAM	15. PERIMETER DITCH	24. MULCH	33. SAND BAG
8. PIPE SLOPE DRAIN	16. CURB AND GUTTER	25. HAY BALES	34. OTHER
9. LEVEL SPREADERS	17. PAVED ROAD SURFACE	26. GEOTEXTILE	
9. LEVEL SPREADERS	18. ROCK OUTLET PROTECTION	27. RIP-RAP	

INSPECTOR INFORMATION:

NAME: ______________ QUALIFICATION ______________ DATE ______

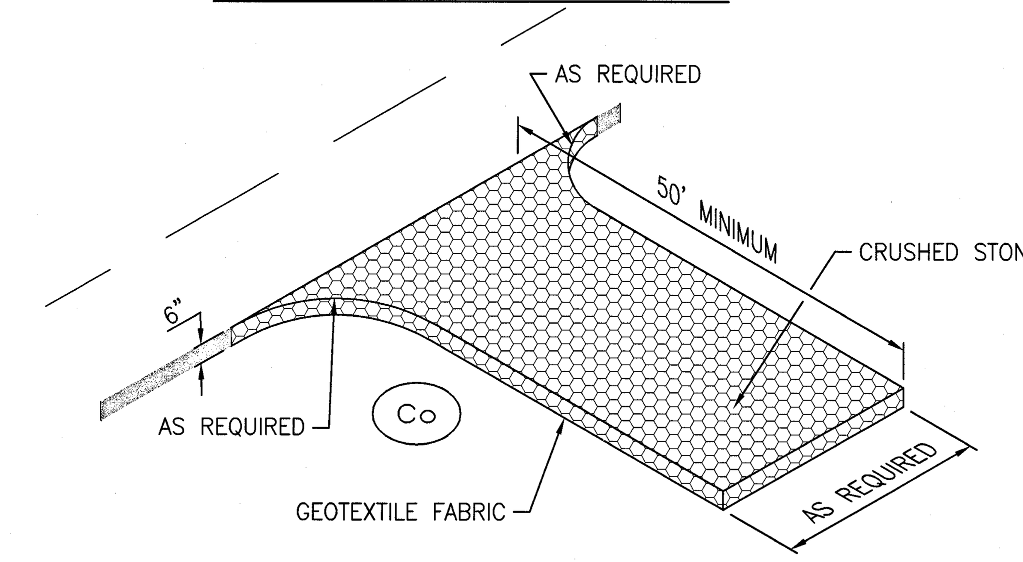
THE ABOVE SIGNATURE ALSO SHALL CERTIFY THAT THIS FACILITY IS IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES IF THERE ARE NOT ANY INCIDENTS OF NON-COMPLIANCE IDENTIFIED ABOVE.

* * * * * *

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

NAME (RESPONSIBLE AUTHORITY) ______________ ______

STANDARD SWPPP FORM



STABILIZED CONSTRUCTION ENTRANCE

NTS

SWPPP BMPS LEGEND

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECK DAM ROCK OR HAY BALE			A SMALL TEMPORARY BARRIER CONSTRUCTED ACROSS A SWALE, DRAINAGE DITCH, OR AREA OF CONCENTRATED FLOW. ROCK OR HAY BALE
Co	CONSTRUCTION EXIT			A CRUSHED STONE PAD WITH A GEOTEXTILE FILTER FABRIC BASE LOCATED AT THE CONSTRUCTION EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.
Di	DIVERSION			AN EARTH CHANNEL OR DIKE LOCATED ABOVE, BELOW, OR ACROSS A SLOPE TO DIVERT RUNOFF. THIS MAY BE A TEMPORARY OR PERMANENT STRUCTURE.
Sd1	SEDIMENT BARRIER			A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, GRAVEL, FLOATING TURBIDITY BARRIER OR A SEDIMENT FENCE. THE BARRIERS ARE USUALLY TEMPORARY AND IN- EXPENSIVE.
Sd2	GRAVEL AND WIRE MESH DROP INLET FILTER			COARSE AGGREGATE AND WIRE MESH W/ FILTER FABRIC RESTING ON TOP OF INLET. AGGREGATE AND WIRE MESH W/ FILTER FABRIC WILL FILTER RUNOFF AS IT ENTERS THE STORM STRUCTURE.
Sd3	SEDIMENT BASIN DETAIL			A BASIN CREATED BY EXCAVATION OR A DAM ACROSS A WATERWAY. THE SURFACE WATER RUNOFF IS TEMPORARILY STORED ALLOWING THE BULK OF THE SEDIMENT TO DROP OUT. THE BASIN IS USUALLY TEMPORARY BUT MAY BE DESIGNED AS A PERMANENT POND OR STORMWATER RETENTION DEVICE.
St	STORM DRAIN OUTLET PROTECTION			A PAVED OR SHORT SECTION OF RIP RAP CHANNEL AT THE OUTLET OF A STORM DRAIN SYSTEM PREVENTING EROSION FROM THE CONCENTRATED RUNOFF.
Su	SURFACE ROUGHENING			A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS ON A CONTOUR OR SLOPES LEFT IN A ROUGHENED CONDITION AFTER GRADING.

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

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SIGNATURES	DATE
DRAWN C. COFFEY	06/10/13
CHECKED K. RIVERA	06/10/13
SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
I. OTERO	6.12.13

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4 STORMWATER POLLUTION PREVENTION PLAN DETAILS AND FORM

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FILE: \\titusmdi01\drafting\14000 Nasa\212-01_Design-Close-Demo-Var-Facs-FY13&14\Contract Drawings\Package 4\General\14000212P4-C02.dwg PRINTED: 6/10/2013 9:57 AM, BY USER: Kristian Perez LAST MODIFIED: 4/12/2013 4:24 PM, BY USER: JTrimble
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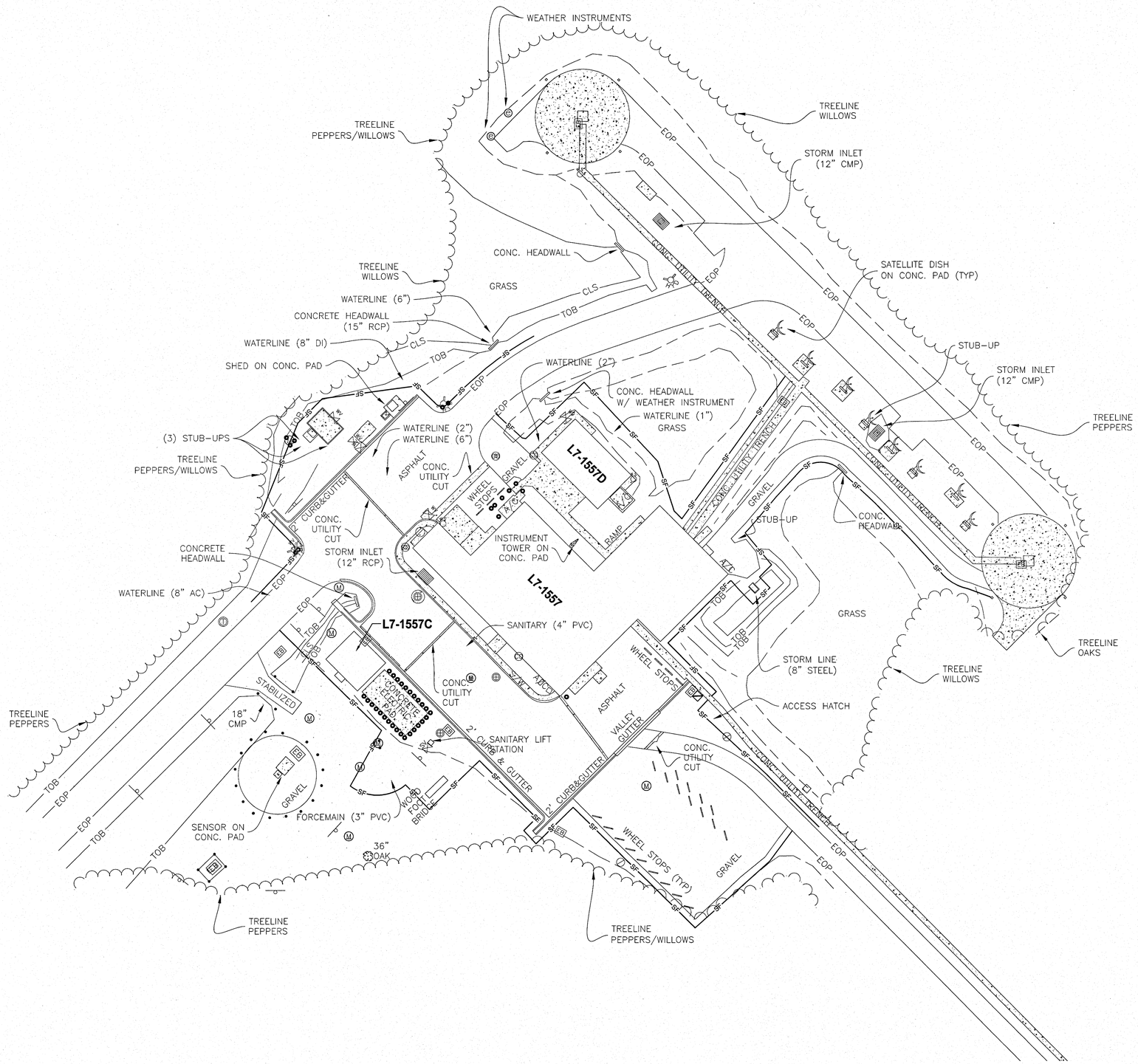

STORMWATER POLLUTION PREVENTION PLAN

1"=30'

GRAPHIC SCALE

0 15 30 60

SCALE IN FEET
1"=30'

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STORMWATER POLLUTION PREVENTION PLAN

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GENERAL NOTE

SURVEY INFORMATION SHOWN ON THE DRAWINGS WAS PROVIDED BY KUGELMANN LAND SURVEYING, INC. DATED DECEMBER 2012.

DEMOLITION NOTES

1. THE DEFINITION OF DEMOLITION SHALL INCLUDE REMOVAL AND PROPER DISPOSAL OF FACILITIES, UTILITIES, STRUCTURES, AND THEIR ASSOCIATED APPURTENANCES. DEMOLITION SHALL NOT BE CONSIDERED TO INCLUDE ABANDON-IN-PLACE. ITEMS TO BE ABANDONED-IN-PLACE WILL BE INDICATED AS SUCH.

2. UNLESS NOTED OTHERWISE, WITHIN AREA OF DEMOLITION, DEMOLISH AND REMOVE IMPROVEMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

   A. BUILDINGS, STRUCTURES, WALLS, FENCES, SIGNS, STORAGE SHEDS, CONCRETE PEDESTALS, AND MANHOLES.
   B. CONCRETE CURB, CONCRETE MEDIANS, STAIRS, WALKWAYS AND WHEEL STOPS.
   C. CONCRETE FOUNDATIONS, STEPS, AND LOADING DOCKS.
   D. ELECTRICAL SYSTEMS INCLUDING LIGHTING, POWER, FIRE ALARMS, TELECOMMUNICATIONS, PAGING AND OTHER ELECTRICAL APPURTENANCES ASSOCIATED WITH MECHANICAL EQUIPMENT.
   E. MECHANICAL, AIR CONDITIONING AND OTHER EQUIPMENT AND APPURTENANCES, AND ALL UNDERGROUND AND ABOVE GROUND PIPING STORAGE TANKS AND CONDUITS.
   F. LANDSCAPING

3. LENGTHS MAY BE SHOWN ON THE DRAWINGS AND REFERENCES AS-BUILTS, HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL MATERIAL QUANTITIES PRIOR TO BIDDING.

4. THE CONTRACTOR SHALL VERIFY THAT ALL REQUIRED CLEARANCES CAN BE MET. IF ANY CANNOT BE MET NOTIFY THE CONTRACTING OFFICER 14 DAYS PRIOR TO SCHEDULED DEMOLITION.

5. AFTER OR UPON AWARD OF CONTRACT, THE OWNERSHIP OF THE FACILITIES, MATERIALS, EQUIPMENT AND ASSOCIATED ITEMS TO BE DEMOLISHED WILL BE TRANSFERRED FROM NASA TO THE DEMOLITION CONTRACTOR, WITH THE EXCEPTION OF THOSE IDENTIFIED ITEMS THAT ARE TO BE SALVAGED OR TURNED OVER TO THE GOVERNMENT.

6. ITEMS IDENTIFIED TO BE SALVAGED AND RETURNED TO THE GOVERNMENT SHALL BE REMOVED CAREFULLY IN ORDER TO MAINTAIN THEIR CONDITION FOR FUTURE USE. THESE ITEMS SHALL BE RELOCATED BY THE CONTRACTOR TO A LOCATION ON KENNEDY SPACE CENTER AS SPECIFIED BY THE CONTRACTING OFFICER.

7. CONTRACTOR SHALL NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR IN-USE FACILITIES WITHOUT PERMISSION FROM THE CONTRACTING OFFICER. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS.

8. FACILITIES AND IMPROVEMENTS TO REMAIN SHALL BE CLEANED OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO PRE-CONSTRUCTION CONDITIONS BY PROJECT COMPLETION.

9. BACKFILL AND COMPACTION WORK SHALL PROVIDE THE SLOPE TO DRAIN PROPERLY. CONTRACTOR SHALL AVOID PONDING.

10. THE CONTRACTOR SHALL PROTECT EXISTING EQUIPMENT, SURFACES AND STRUCTURES TO REMAIN INSIDE AND OUTSIDE THE LIMITS OF DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING TO PRE-DEMOLITION CONDITIONS ANY DAMAGE TO EXISTING EQUIPMENT, SURFACES, UTILITIES, STRUCTURES, AND OTHER FEATURES CAUSED BY DEMOLITION ACTIVITIES, AT NO ADDITIONAL COST TO THE GOVERNMENT.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING, SHORING, OR PROVIDING OTHER MEANS NECESSARY TO PROTECT AND SUPPORT EXISTING UTILITIES AND STRUCTURES DURING CONSTRUCTION/DEMOLITION.

12. ALL EXISTING STORMWATER DRAINAGE PATTERNS AND CHANNELS SHALL BE MAINTAINED. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IF THE WORK APPEARS TO INTERRUPT AN EXISTING STORMWATER DRAINAGE PATTERN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY EROSION, SEDIMENT TRANSPORT, DISTURBED FOUNDATIONS AND IMPACT TO STRUCTURES, AND ANY OTHER DAMAGE TO CHANNELS AND DRAINAGE PATTERNS CAUSED DURING DEMOLITION.

13. CONTRACTOR SHALL PREVENT THE DISCHARGE OF SEDIMENT INTO DRAINAGE DITCHES OR TRENCHES DUE TO DEMOLITION OPERATIONS. APPROVED EROSION CONTROL DEVICES SHALL BE INSTALLED TO PREVENT DISCHARGE OF SEDIMENT INTO A DRY OR WET WATERCOURSE. EROSION CONTROL SHALL CONSIST OF MULCH AND NETTING, FILTER CLOTH BARRIERS OR OTHER EROSION CONTROL METHODS APPROVED BY THE CONTRACTING OFFICER.

14. CONTRACTOR SHALL FILL ALL DISTURBED AREAS TO EXISTING ELEVATIONS, PLACE 3" OF TOPSOIL, GRADE THE SITE LEVEL, AND SOD ALL DISTURBED AREAS.

15. NO STAGING, DISMANTLING, OR CUTTING WILL BE PERMITTED ON KSC PROPERTY OUTSIDE THE LIMITS OF THE DEMOLITION AREA AND PERMITTED LAYDOWN AREAS. COORDINATE LAYDOWN AREAS WITH THE CO.

16. ALL CONSTRUCTION AND DEMOLITION DEBRIS SHALL BE REMOVED FROM THE PROJECT SITES BY THE CONTRACTOR WITHIN ONE WEEK OF REMOVAL FROM THE STRUCTURE OR ORIGINAL PLACE OF ORIGIN.

17. THE CONTRACTOR SHALL CUT FLUSH WITH ANY SURFACE TO REMAIN ANY ABANDONED PROTRUSIONS NOT SPECIFICALLY INDICATED IN THE PLANS, INCLUDING BUT NOT LIMITED TO CONDUIT, ANCHOR BOLTS, AND ANY OTHER ITEM. THE CONTRACTOR SHALL GROUT PENETRATIONS IN SLABS TO REMAIN.

18. THIS PROJECT HAS THE POTENTIAL TO IMPACT THREATENED, ENDANGERED, AND PROTECTED SPECIES. THE CONTRACTOR SHALL CONTACT THE CONTRACTING OFFICER AND NASA ENVIRONMENTAL 14 DAYS PRIOR TO DEMOLITION IN ORDER FOR THE GOVERNMENT TO PERFORM A BIOLOGICAL SURVEY.

19. ALL UTILITIES ARE NOT SHOWN IN THE DRAWINGS. THE CONTRACTOR SHALL BE COGNIZANT OF ABOVE AND BELOW GROUND OBSTRUCTIONS/UTILITIES THAT MAY AFFECT WORK. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION ACTIVITIES AND UTILITY DISCONNECTS AND OUTAGES WITH THE CONTRACTING OFFICER PRIOR TO COMMENCING DEMOLITION. THE CONTRACTOR SHALL HAND EXCAVATE ALL EXISTING UNDERGROUND PIPING CONNECTION AND DISCONNECTION POINTS TO DETERMINE THE LOCATION, MATERIAL, SIZE, JOINT LOCATION AND TYPE, AND CONDITION BEFORE SUBMITTING SHOP DRAWINGS FOR CONNECTING FITTINGS, ADAPTERS, ETC. THE CONTRACTOR SHALL PROVIDE THIS INFORMATION (INCLUDING FIELD MEASUREMENTS) WITH SHOP DRAWING SUBMITTALS. AT A MINIMUM, ALL WATER UTILITIES SHALL BE DEMOLISHED AND CAPPED AT THE CLOSEST MAIN, ALL SEWER UTILITIES SHALL BE DEMOLISHED AND CAPPED AT CLOSEST MAIN, MANHOLE OR LIFT STATION, ALL OTHER UTILITIES UNLESS OTHERWISE NOTED, SHALL BE DEMOLISHED AND CAPPED 18" BELOW GRADE, 5.0 LF HORIZONTALLY FROM THE EXISTING BUILDING FOOTPRINT. SEWER AND WATER LINES SHALL BE CAPPED WITH MATERIAL MATCHING THE PIPE MATERIAL.

20. PERSONAL PROPERTY SUCH AS DESKS, FURNITURE, DOOR LOCKS AND HANDLES WHICH ARE TO BE RETAINED BY THE GOVERNMENT WILL BE REMOVED BY THE GOVERNMENT BEFORE CONSTRUCTION BEGINS. ALL REMAINING ITEMS IN THE FACILITIES SHALL BE DISPOSED OF BY THE CONTRACTOR.

21. CONTRACTOR SHALL DRAIN, PURGE, AND/OR OTHERWISE REMOVE, COLLECT, AND DISPOSE OF CHEMICALS, GASES, REFRIGERANTS, HYDRAULIC FLUIDS, EXPLOSIVES, ACIDS, FLAMMABLES, HEAVY METALS, OR OTHER DANGEROUS MATERIALS OR ITEMS THAT MAY CONTAIN THOSE MATERIALS, INCLUDING BUT NOT LIMITED TO PRESSURE SWITCHES, AIR CONDITIONING UNITS, BALLAST TRANSFORMERS, LEAD FLASHING, FLUORESCENT LAMPS, HIGH INTENSITY DISCHARGE LAMPS, BATTERIES IN EXIT SIGNS AND EMERGENCY LIGHTING, ETC., BEFORE PROCEEDING WITH DEMOLITION OPERATIONS. DISPOSAL SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND THE CONTRACT DOCUMENTS.

22. BOLLARDS SHOWN TO BE REMOVED SHALL BE TAKEN TO A DESIGNATED LOCATION AT THE KSC LANDFILL FOR RE-USE. BOLLARDS SHALL BE REMOVED, HANDLED, AND STOCKPILED IN A MANNER TO PRESERVE CURRENT CONDITION.

23. CONTRACTOR SHALL ENSURE THAT MONITORING WELLS LOCATED AT VARIOUS LOCATIONS ARE PROTECTED, LEFT UNDISTURBED, AND KEPT IN WORKING ORDER.

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

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SIGNATURES	DATE
DRAWN C. COFFEY	06/10/13
CHECKED K. RIVERA	06/10/13
SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
I. OTERO	6.12.13

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KENNEDY SPACE CENTER, FLORIDA

CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

GENERAL NOTES

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 8

D1

TILE: \\Ulisses01\plotting\14000 Nasa\212-01_Design-Close-Demo-Var-Fcos-FY13&14\Contract Drawings\Package 4\Dwg\14000212P4-D01.dwg PRINTED: 6/10/2013 9:58 AM, BY USER: Kristian Perez LAST MODIFIED: 6/4/2013 11:15 AM, BY USER: KPerez

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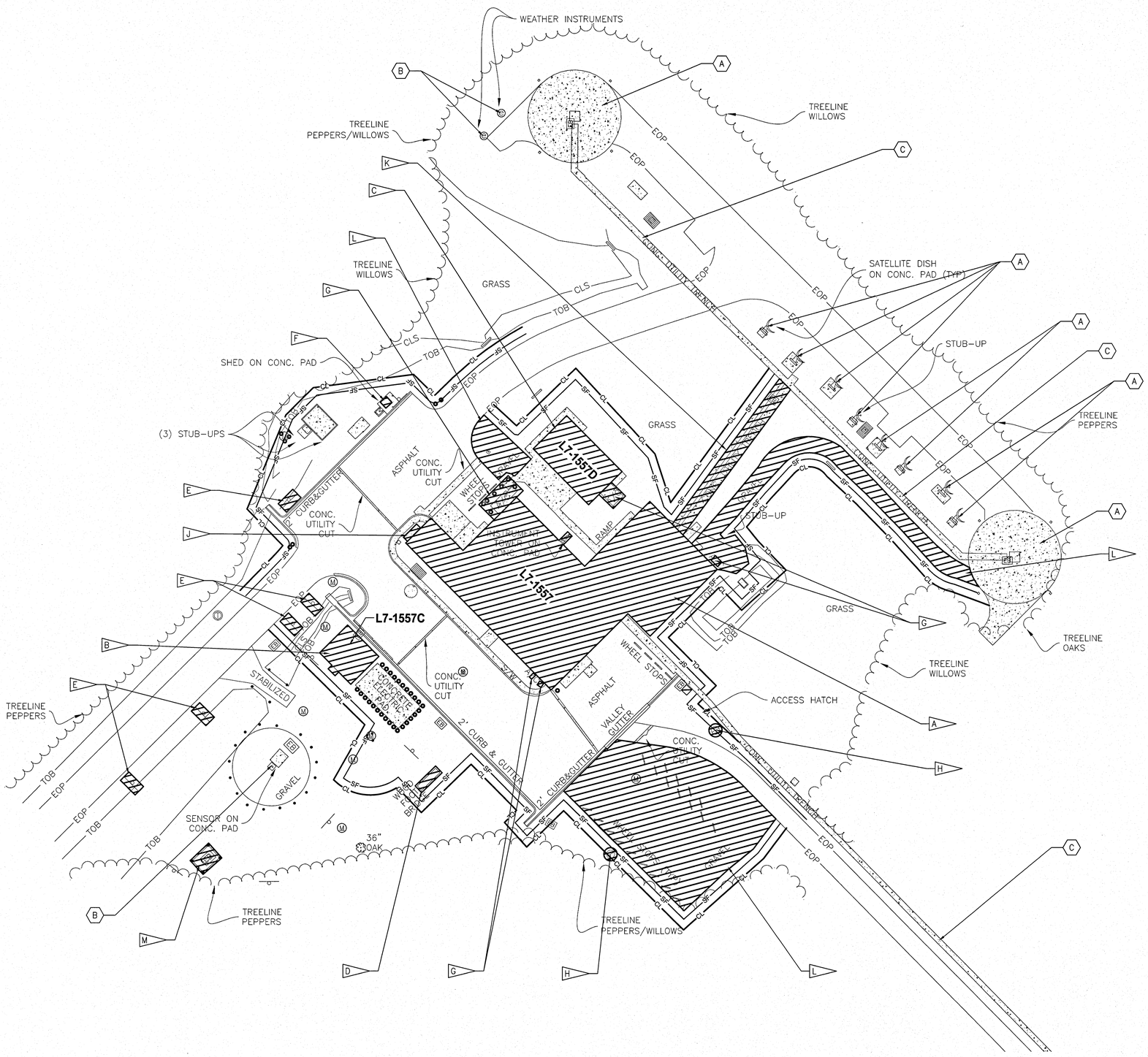

SITE PLAN BUILDINGS L7-1557, L7-1557C & L7-1557D

1"=30'

GRAPHIC SCALE

0 15 30 60

SCALE IN FEET

1"=30'

FLAG NOTES

- A — DEMOLISH ENVIRONMENTAL HEALTH BUILDING (L7-1557), FOUNDATION, CONCRETE SLABS, AND ASSOCIATED APPURTENANCES (1 D16) (2 D16) (3 D16)
- B — DEMOLISH STORAGE BUILDING (L7-1557C), FOUNDATION, CONCRETE SLABS, AND ASSOCIATED APPURTENANCES (1 D18) (2 D18)
- C — DEMOLISH ASBESTOS TESTING LAB (L7-1557D), FOUNDATION, CONCRETE SLABS, AND ASSOCIATED APPURTENANCES (3 D18) (4 D18)
- D — DEMOLISH WOOD BRIDGE (1 D17)
- E — DEMOLISH SIGN, TYPICAL (2 D17)
- F — DEMOLISH SHED AND ASSOCIATED APPURTENANCES (5 D16)
- G — DEMOLISH HVAC EQUIPMENT, CONCRETE SLAB, BOLLARDS, AND ASSOCIATED APPURTENANCES (2 D16) (3 D16) (4 D18)
- H — DEMOLISH WOOD UTILITY POLE AND ASSOCIATED APPURTENANCES (4 D17)
- J — DEMOLISH DEIONIZED WATER TANK (8 D16)
- K — DEMOLISH CONCRETE UTILITY TRENCH. SEE UTILITY TRENCH DEMOLITION DETAIL ON SHEET D21. (9 D16) (7 D21)
- L — DEMOLISH GRAVEL LANDSCAPING, WHEEL STOPS, AND ASSOCIATED APPURTENANCES (4 D17)
- M — DEMOLISH ELECTRICAL BOX, BOLLARDS, CONCRETE PAD, AND ASSOCIATED APPURTENANCES (1 D17)

TO REMAIN

- A — SATELLITE DISHES AND CONCRETE PADS (4 D16)
- B — WEATHER SENSORS, BOLLARDS, CONCRETE PADS, GRAVEL LANDSCAPING, AND ASSOCIATED APPURTENANCES (1 D17) (3 D17)
- C — CONCRETE UTILITY TRENCH (6 D16) (9 D16)

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

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SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
I. OTERO	6.12.13

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

SITE PLAN BUILDINGS L7-1557, L7-1557C & L7-1557D

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 9

D2

KSC FORM 1-11 (3/76)(C/G 3/94)

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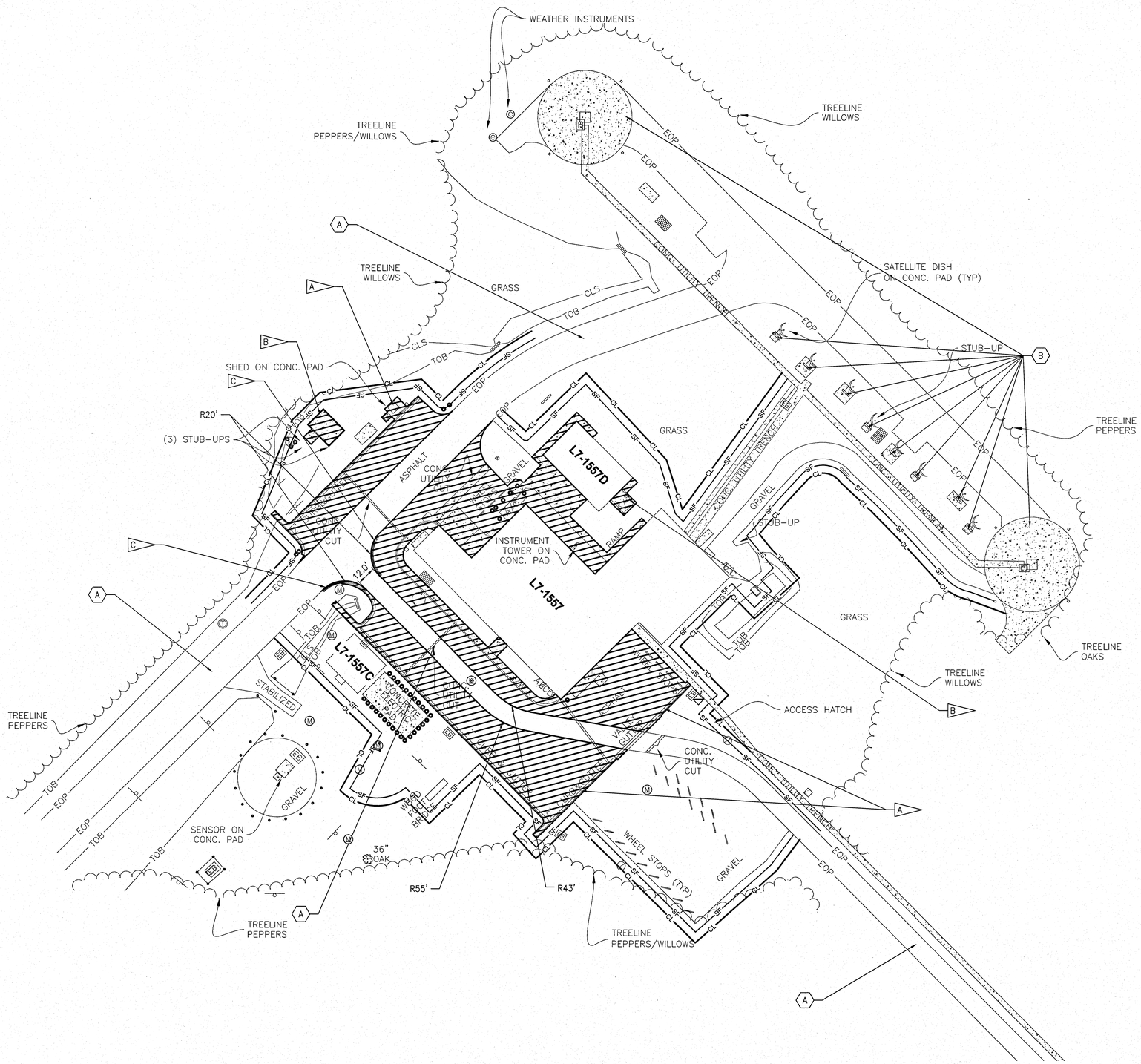
FLAG NOTES

- A — DEMOLISH ASPHALT PAVEMENT, CURBING, CONCRETE PAVEMENT, SIDEWALKS, CONCRETE FLUMES, BOLLARDS, AND WHEEL STOPS. SAWCUT EDGES OF PAVEMENT TO REMAIN.
- B — DEMOLISH CONCRETE PAD
- C — INSTALL RIBBON CURB 4/D20

TO REMAIN

- A — ASPHALT AND CONCRETE PAVEMENT
- B — CONCRETE PADS



PAVEMENT PLAN L7-1557, L7-1557C, L7-1557D

1"=30'

GRAPHIC SCALE

0 15 30 60

SCALE IN FEET 1"=30'

-N-

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SYM	ZONE	DESCRIPTION	DATE	APPROVED

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

PAVEMENT PLAN L7-1557, L7-1557C, L7-1557D

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 10

D3

KSC FORM 1-11 (3/76)(C/G 3/94)

TILE: \\Jtusmd01\drafting\14000 Nasa\212-01_Design-Close-Demo-Var-Fac0-FY13&14\Contract Drawings\Package 4\Civil\14000212P4-D03.dwg PRINTED: 6/10/2013 8:58 AM, BY USER: Kristian Perez LAST MODIFIED: 5/10/2013 10:14 AM, BY USER: CCoffey

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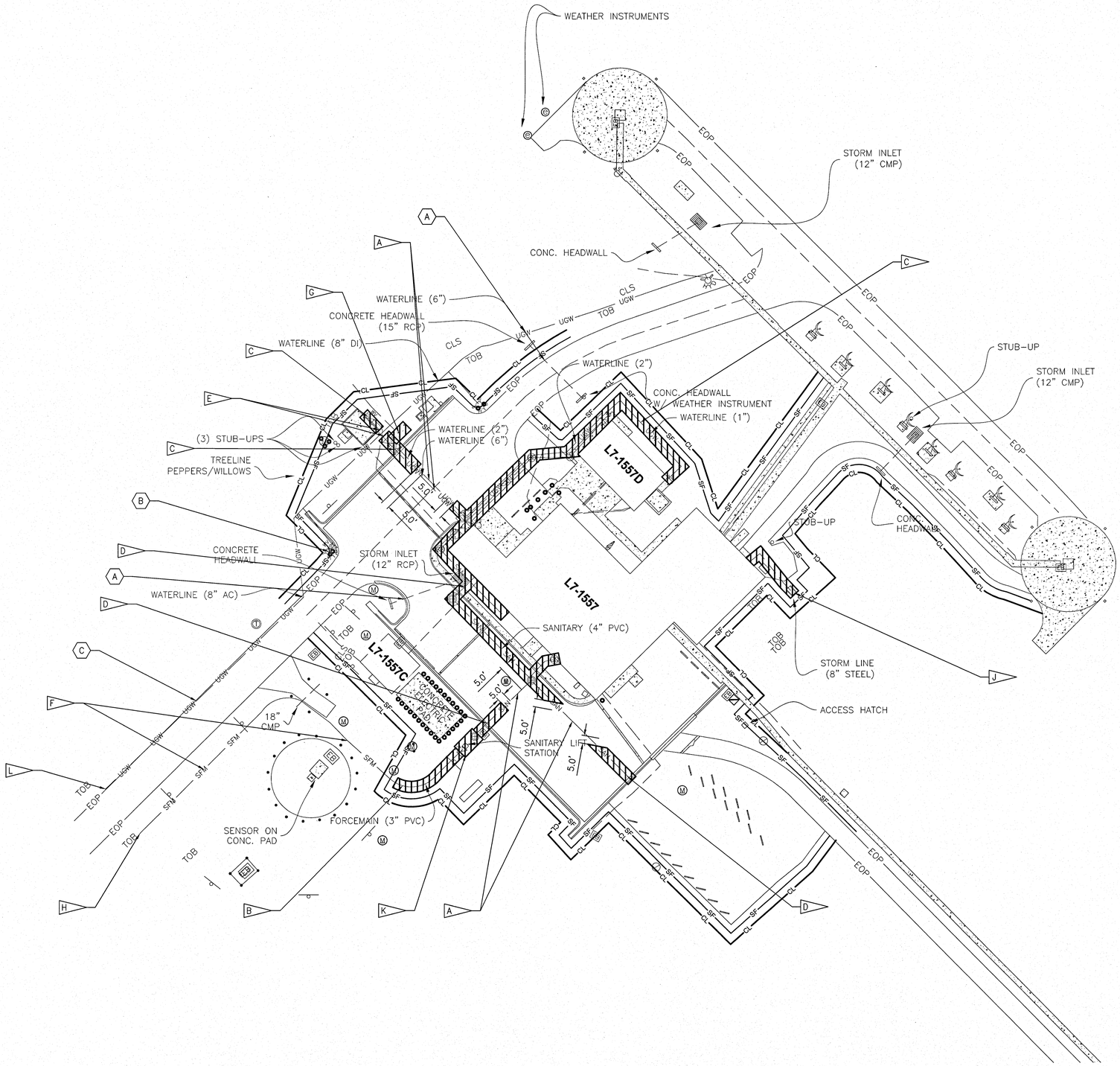

UTILITIES PLAN L7-1557, L7-1557C & L7-1557D

1"=30'

GRAPHIC SCALE

0 15 30 60

SCALE IN FEET
1"=30'

FLAG NOTES

A. ABANDON UTILITIES IN PLACE UNDER EXISTING ASPHALT AND CONCRETE PAVEMENT TO REMAIN. THE EXISTING UTILITY SHALL BE CUT 5' FROM EDGE OF PAVEMENT. THE ENTIRE LENGTH OF PIPE UNDER PAVEMENT SHALL BE FILLED WITH NON-SHRINK GROUT AND THE ENDS OF THE PIPE SHALL BE CAPPED. (1/D20)

B. DEMOLISH SANITARY SEWER FORCEMAIN AND ASSOCIATED APPURTENANCES.

C. DEMOLISH WATER LINE AND ASSOCIATED APPURTENANCES.

D. DEMOLISH SANITARY SEWER, MANHOLES, AND ASSOCIATED APPURTENANCES.

E. INSTALL RESTRAINED CAP AT TEE. (1/D20)

F. ABANDON SANITARY SEWER FORCEMAIN IN PLACE, CAP PIPE. SEE L7-1557 SEWER FORCEMAIN ABANDONMENT PLAN ON SHEET D21. (1/D20) (6/D21)

G. DEMOLISH WET WELL AND ASSOCIATED APPURTENANCES. (5/D16)

H. SANITARY SEWER FORCEMAIN CONTINUES SOUTH/SOUTHWEST APPROXIMATELY 6600' TO NASA PARKWAY.

J. DEMOLISH STORMWATER PIPING AND ASSOCIATED APPURTENANCES.

K. DEMOLISH LIFT STATION LS-1T WET WELL, VALVE VAULT, PIPING, CONTROL PANEL, AND ASSOCIATED APPURTENANCES, AS DESCRIBED BELOW, (5/D17)

A. REMOVE AND DISPOSE OF ALL PIPING, EQUIPMENT, FLOATS, CABLES, AND RELATED EQUIPMENT IN THE WET WELL; ALL ABOVE AND BELOW GRADE POWER/CONTROL CABLES AND CONDUITS; CONTROL PANEL, CIRCUIT BREAKER BOX AND POWER POLE; ABOVE GRADE PIPING AND VALVES; THE UPPER SECTION (4 FOOT MINIMUM) OF THE WET WELL; AND CONCRETE SURFACES, PADS AND VALVE VAULT.

B. REMOVE AND DISPOSE OF ALL LIQUIDS AND SOLIDS IN EXISTING WET WELL. DISINFECT THE EXISTING WET WELL AND REMOVE AND DISPOSE OF DISINFECTANT. CUT FIVE 1 FT DIA HOLES IN WET WELL BASE TO ALLOW FOR PERCOLATION. FILL THE EXISTING WET WELL WITH SAND AND COMPACT TO 85% MODIFIED PROCTOR.

C. THE CONTRACTOR SHALL OBTAIN CERTIFICATION OF COMPLETION FROM THE FDEP.

L. WATER MAIN CONTINUES SOUTH/SOUTHWEST APPROXIMATELY 6600' TO NASA PARKWAY. INSTALL DOUBLE CHECK VALVE BACKFLOW PREVENTER NEAR TEE AT NASA PARKWAY. SEE C AVENUE WATER MAIN PLAN ON SHEET D20. (3/D20)

TO REMAIN

A. STORMWATER PIPES, HEAD WALLS, AND INLETS

B. FIRE HYDRANT

C. WATER MAIN

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

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SIGNATURES	DATE
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SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
I. OTERO	6.12.13

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

UTILITIES PLAN L7-1557
L7-1557C L7-1557D

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 11

D4

KSC FORM 1-11 (3/76)(C/G 3/94)

FILE: \\Jesunsdf01\acad\Proj\14000 Nasa\212-01_Design-Close-Demo-Ver-Fac-FY13&14\Contract Drawings\Package 4\Civil\14000212P4-D04.dwg PRINTED: 6/10/2013 9:58 AM, BY USER: Kristian Perez LAST MODIFIED: 5/15/2013 4:09 PM, BY USER: CCoffey

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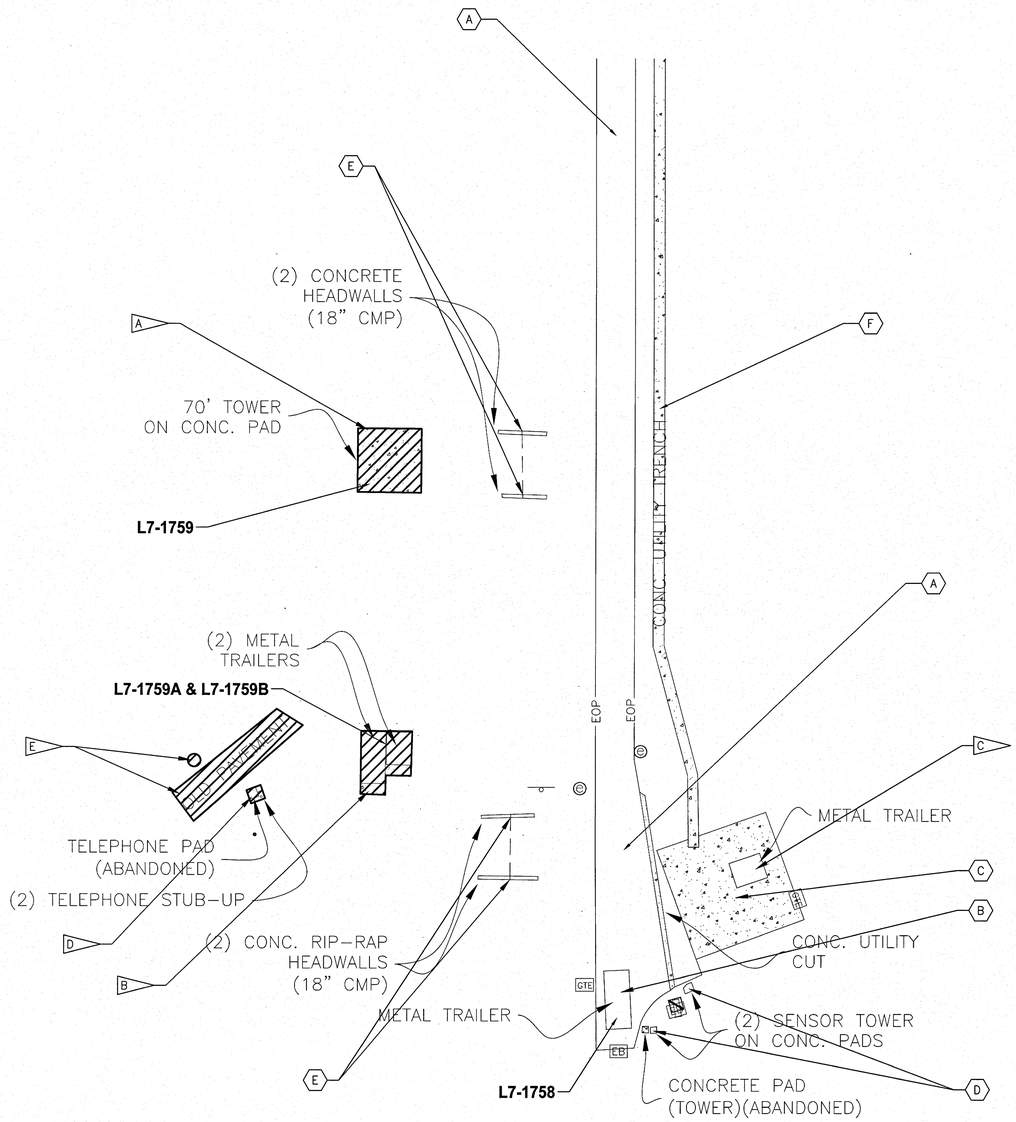

SITE PLAN L7-1759, L7-1759A & L7-1759B

1"=20'

FLAG NOTES

- A — DEMOLISH LIGHTNING DETECTION AND RANGING TOWER (L7-1759), FOUNDATION, CONCRETE SLABS, ANCHORS, AND ASSOCIATED APPURTENANCES 5/D18 6/D18
- B — DEMOLISH ANCHORS, FOUNDATIONS, CONCRETE SLABS, AND ASSOCIATED APPURTENANCES AT FORMER EQUIPMENT SHELTERS (L7-1759A & L7-1759B) SITE. CLEAR ASSOCIATED SCRAP METAL CONTAINERS ADJACENT TO FORMER SHELTERS SITE. 1/D19 2/D19
- C — METAL TRAILER TO BE RELOCATED BY OTHERS
- D — DEMOLISH TELEPHONE PAD, STUB-UPS, AND ASSOCIATED APPURTENANCES
- E — DEMOLISH ASPHALT AND CONCRETE PAVEMENT

TO REMAIN

- A — ASPHALT PAVEMENT
- B — BUILDING L7-1758
- C — PARKING AND STORAGE AREA
- D — SENSOR TOWERS
- E — HEADWALLS AND CMP
- F — CONCRETE UTILITY TRENCH

GRAPHIC SCALE

0 10 20 40

SCALE IN FEET
1"=20'

-N-

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

SITE PLAN L7-1759, L7-1759A & L7-1759B

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 12

D5

KSC FORM 1-11 (3/76)(C/G 3/94)

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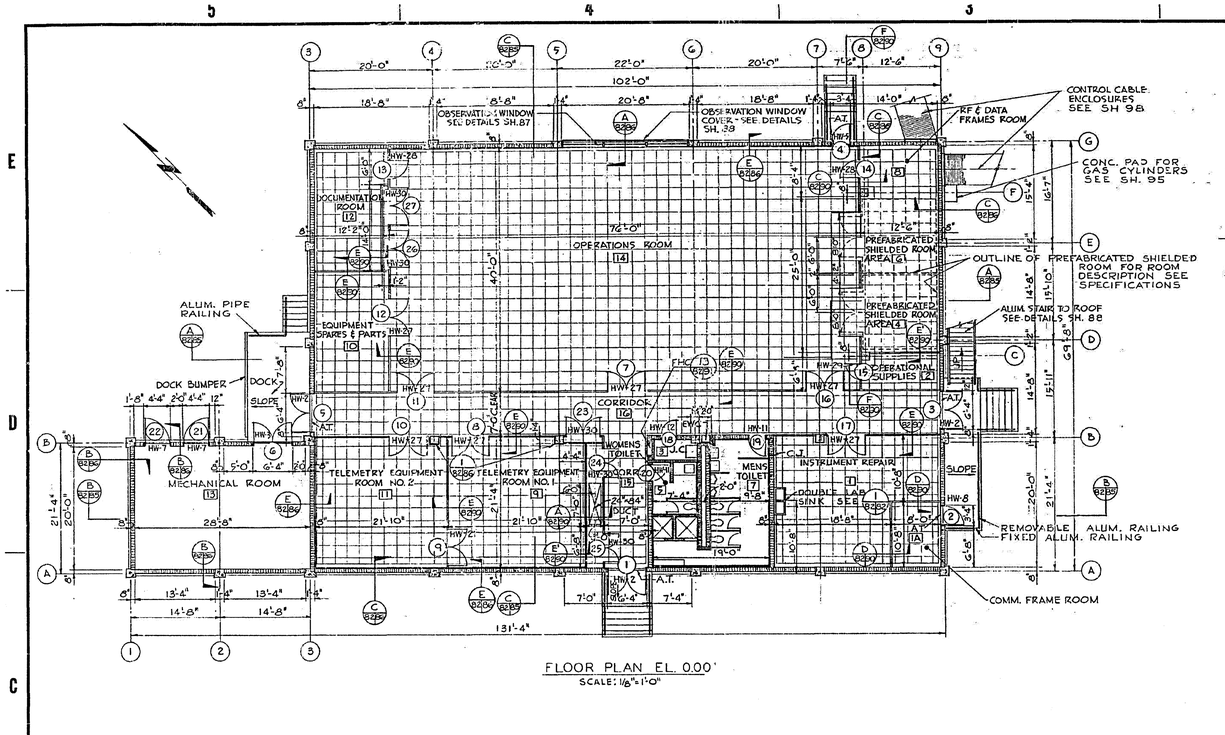
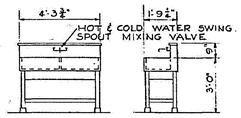
GENERAL NOTE

THE CONTRACT DRAWINGS CONTAIN INFORMATION FROM EXISTING RECORD DRAWINGS RETRIEVED FROM SEVERAL PRIOR DESIGN PACKAGES. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING THAT ACTUAL CONDITIONS MATCH THE CONTRACT DRAWINGS. CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR REVIEWING AND CHECKING ALL INFORMATION CONTAINED IN THE CONTRACT DRAWINGS AND FOR ANY INTERPRETATION OR CONCLUSION DRAWN FROM THE INFORMATION PROVIDED.



FLOOR PLAN EL. 0.00'
SCALE: 1/8"=1'-0"



FRONT ELEV. SIDE ELEV.
SOAPSTONE DOUBLE LAB SINK DETAIL 1
SCALE: ½"=1'-0"
NOTE: FOR PLUMING DETAILS SEE SH. 183

GENERAL NOTES

1. FINISH FLOOR DATUM EL. 0.00' EQUALS EL. 12.0 ACTUAL ELEVATION.
2. FOR TOILET ROOMS & JANITOR CLOSET PLAN & DETAILS SEE SH. 89
3. ALL CONC. MASONRY UNITS TO UNDERSIDE OF CONC. SLAB OR BEAMS ABOVE UNLESS OTHERWISE NOTED.
4. FOR CONC. MASONRY UNIT REINFORCING DETAILS SEE SH. 96
5. FOR CONC. STAIRS & DOCK DETAILS SEE SH. 97

REVISIONS

NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
1	1		REVISED TO CONFORM TO AMEND. 2	2-22-94	

ROOM FINISH SCHEDULE

NO	ROOM DESCRIPTION	FLOOR: CONCRETE WHANDENER	FLOOR: VINYL-ASBESTOS TILE	FLOOR: CERAMIC TILE	FLOOR: FREE ACCESS FLOOR	BASE: RUBBER	BASE: CERAMIC TILE	WAINSCOT: CERAMIC TILE	WAINSCOT: PAINTED	WAINSCOT: HEIGHT	WALLS: CONC MASONRY UNIT	WALLS: ACOUSTICAL TREATMENT	WALLS: METAL PARTITION	WALLS: KEENES CEMENT PLASTER	CEILINGS: SUSPENDED ACOUSTICAL BD.	CEILINGS: CONCRETE	CEILINGS: SUSPENDED KEENES CEM PLAS	HEIGHT	REMARKS
1	INSTRUMENT REPAIR		●		●	●			●	4'-0"	●		●		●			10'-0"	
1A	COMMUNICATIONS FRAME ROOM		●		●	●			●		●		●			●		14'-6"	
2	OPERATIONAL SUPPLIES		●		●	●			●		●		●		●			10'-0"	
3	JANITOR'S CLOSET	●									●					●		14'-6"	
4	PREFABRICATED SHIELDED ROOM AREA		●		●	●													
5	WOMEN'S TOILET			●			●	●		4'-5⅝"			●			●		8'-6"	
6	PREFABRICATED SHIELDED ROOM AREA		●		●	●													
7	MEN'S TOILET			●			●	●		4'-5⅝"			●			●		8'-6"	SHOWERS-CERAMIC TILE 6'-7½" HGT.
8	RF & DATA FRAMES ROOM		●		●	●			●	4'-0"	●		●			●		14'-6"	
9	TELEMETRY EQUIPMENT ROOM NO. 1		●		●	●			●			●	●		●			10'-0"	*PERFORATED SOUND ABSORBING MET. PTN.
10	EQUIPMENT SPARES & PARTS		●		●	●			●		●		●		●			10'-0"	
11	TELEMETRY EQUIPMENT ROOM NO. 2		●		●	●			●			●	●		●			10'-0"	*PERFORATED SOUND ABSORBING MET. PTN.
12	DOCUMENTATION ROOM		●		●				●		●				●			10'-0"	
13	MECHANICAL ROOM	●							△		●					●		14'-6"	
14	OPERATIONS ROOM		●		●	●			●			●	●		●			10'-0"	*PERFORATED SOUND ABSORBING MET. PTN.
15	CORRIDOR		●		●	●			●		●		●		●			10'-0"	
16	CORRIDOR		●		●	●			●		●		●		●			10'-0"	

NOTE: OMIT RUBBER BASE AT METAL PARTITIONS.

RECORD DRAWING NOTE
'Shall be,' 'Provide,' 'Install,' 'Remove,' etc. indicates work was accomplished under the contract.

AS BUILT
APPROVED BY
DATE 14 OCT 1993

M1-A-201

GRAPHIC SCALES
3/8"=1'-0" 0 1' 2' 3' 4' 5'
1/8"=1'-0" 0' 5' 10' 15' 20' 25'

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LAUNCH OPERATIONS CENTER

BLACK & VEATCH CONSULTING ENGINEERS KANSAS CITY, MISSOURI — U.S. ARMY ENGINEER DISTRICT, CANAVERAL CORPS OF ENGINEERS MERRITT ISLAND, FLA.

NASA MERRITT ISLAND LAUNCH AREA
MERRITT ISLAND, FLA.

CENTRAL INSTRUMENTATION FACILITY
OPERATIONS BUILDING
FLOOR PLAN & SCHEDULE

Dwn by C.F.F. | Ckd by W.H.M. | DATED: Oct. 1963 | SCALE: AS NOTED | DATED: 5-20-73 | SIZE F | FILE NO. 203-106 | SHEET 82 OF 214

B04.01.00.0ADA001-001

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SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

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JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN C. COFFEY	06/10/13
CHECKED K. RIVERA	06/10/13
SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
I. OTERO	6/12/13

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557 AS-BUILTS

FILE NO. | SIZE F | DWG. NO. 79K39392 | REV
PROJ. NO. 97963.9 | SHEET 13

D6

FILE: \\Hsumdd01\drafting\14000 Notes\212-01_Design-Close-Demo-Var-Facs-FY13&14\Contract Drawings\Package 4\Civil\14000212P4-D06.dwg PRINTED: 6/10/2013 9:58 AM, BY USER: Kristian Perez LAST MODIFIED: 1/7/2013 4:00 PM, BY USER: shafterkamp

KSC FORM 1-11 (3/76)(C/G 3/94)

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GENERAL NOTE

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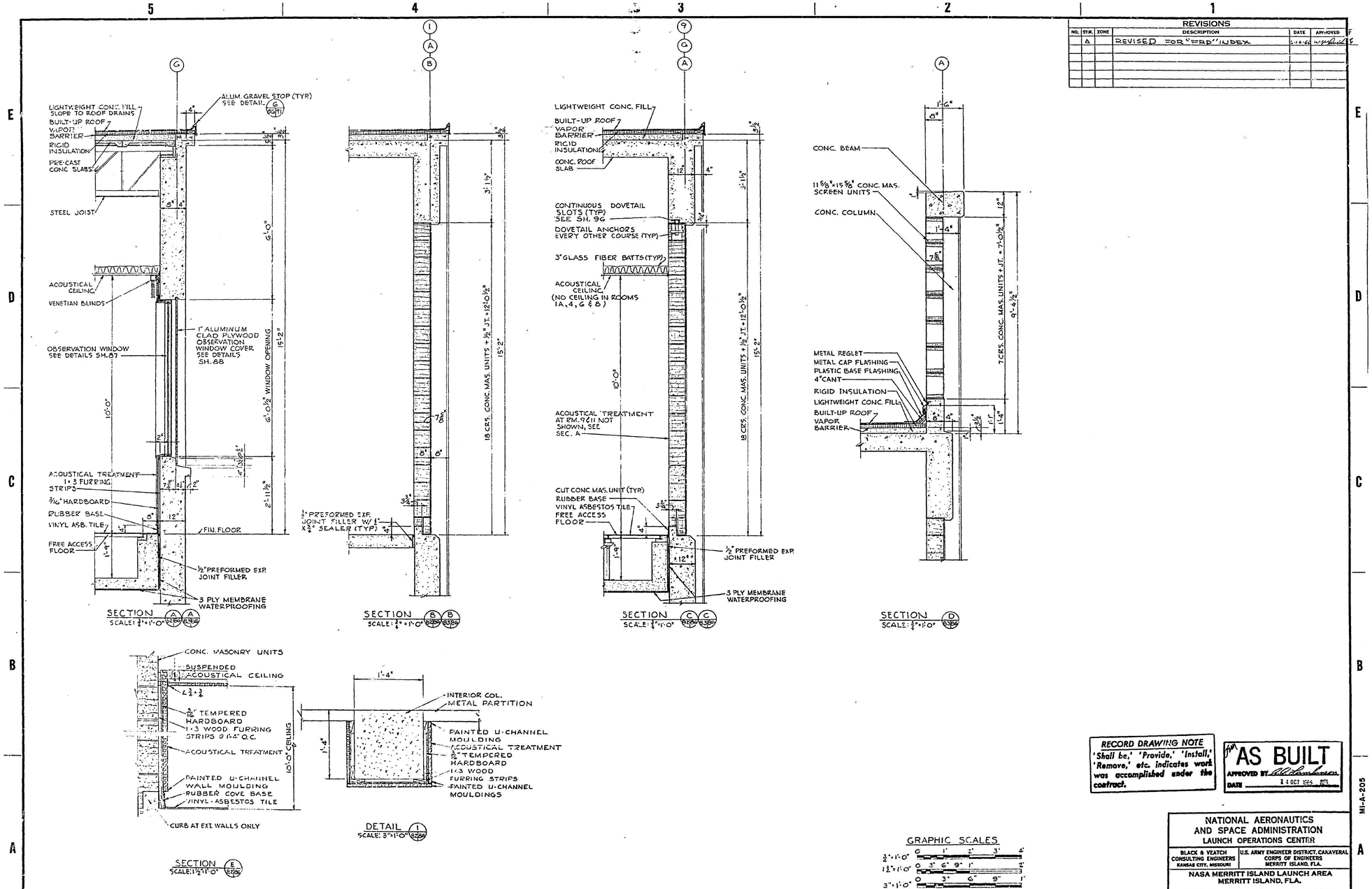
REVISIONS

NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
	A		REVISED FOR "FRD" INDEX	6-18-86	



RECORD DRAWING NOTE
'Shall be,' 'Provide,' 'Install,' 'Remove,' etc. indicates work was accomplished under the contract.

AS BUILT
APPROVED BY
DATE 24 OCT 1966

GRAPHIC SCALES
¼"=1'-0" 0 1' 2' 3' 4'
1½"=1'-0" 0 3" 6" 9" 1' 2'
3"=1'-0" 0 3" 6" 9" 1'

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LAUNCH OPERATIONS CENTER

BLACK & VEATCH CONSULTING ENGINEERS, KANSAS CITY, MISSOURI
U.S. ARMY ENGINEER DISTRICT, CANAVERAL CORPS OF ENGINEERS, MERRITT ISLAND, FLA.

NASA MERRITT ISLAND LAUNCH AREA
MERRITT ISLAND, FLA.

CENTRAL INSTRUMENTATION FACILITY
OPERATIONS BUILDING
WALL SECTIONS

Dwn by SDL | INT. W.D. ENG. (3 SEAL) 08-178-04-2.2. | SIZE F | FILE NO. 203-106
DATED: Oct 1963
Ckd by VHM | SCALE: AS NOTED | DATED: 5 OCT 63 | SHEET 86 OF 214

B04.01.00.0AD4004.001 24.3

MI-A-205

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SYM	ZONE	DESCRIPTION	DATE	APPROVED

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SIGNATURES	DATE
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CHECKED K. RIVERA	06/10/13
SUBMITTED BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. Toth	6/10/13
L. OTERO	6.12.13

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557 AS-BUILTS

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 | SHEET 14

D7

FILE: \\Vitusmd01\drafting\14000 Notes\212-01_Design-Close-Demo-Var-Facs-FY13&14\Contract Drawings\Package 4\Civil\14000212P4-D07.dwg PRINTED: 6/10/2013 9:58 AM, BY USER: Kristian Perez LAST MODIFIED: 1/7/2013 4:01 PM, BY USER: shofer/kamp

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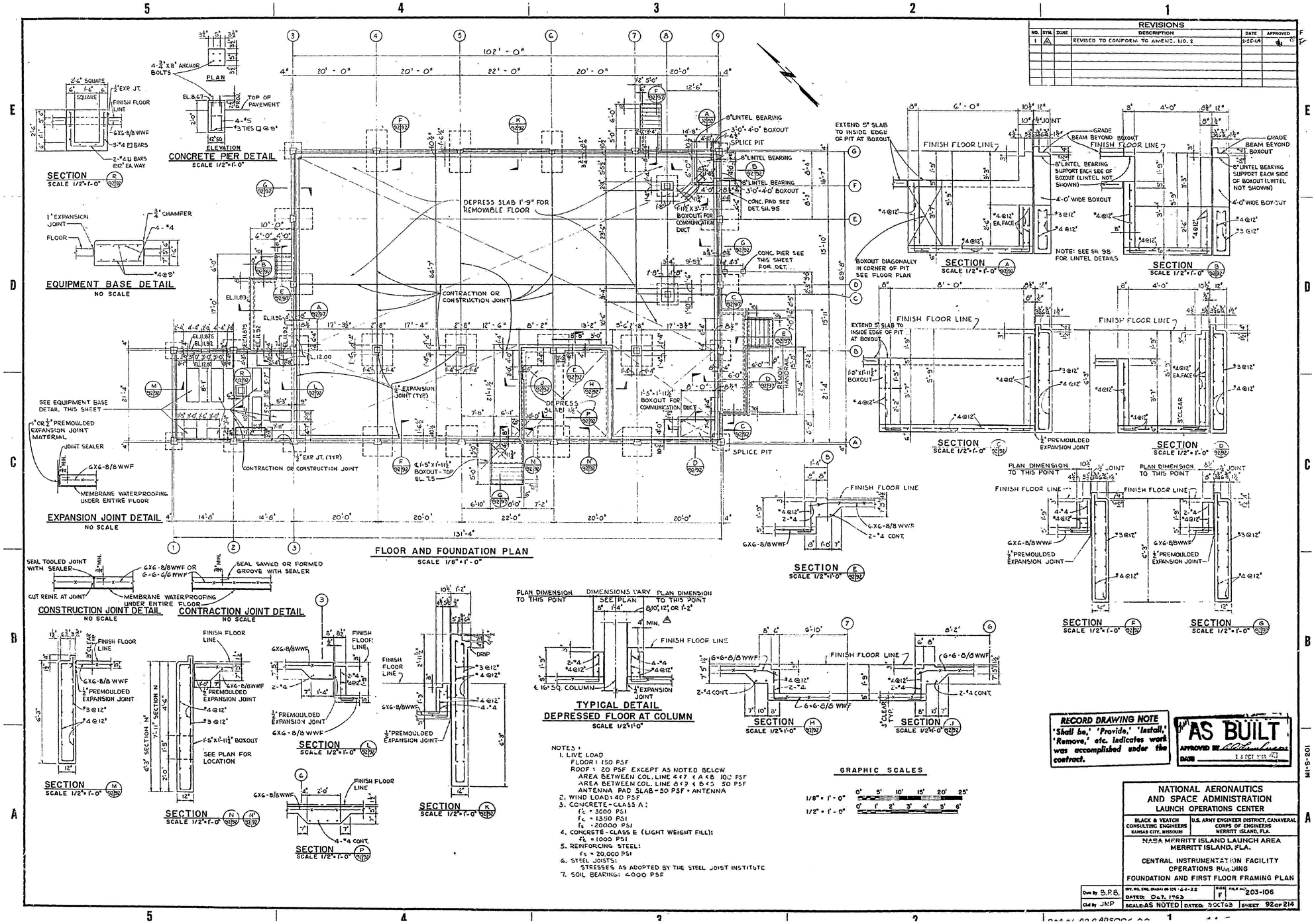
REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
1	△		REVISED TO CONFORM TO AMEND. NO. 2	2-25-04	



NOTES:
1. LIVE LOAD
   FLOOR: 150 PSF
   ROOF: 20 PSF EXCEPT AS NOTED BELOW
   AREA BETWEEN COL. LINE 4 & 7 & A & B 100 PSF
   AREA BETWEEN COL. LINE 0 & 9 & B & C 50 PSF
   ANTENNA PAD SLAB - 50 PSF + ANTENNA
2. WIND LOAD: 40 PSF
3. CONCRETE - CLASS A:
   f'_c = 3000 PSI
   f_c = 1350 PSI
   f_s = 20000 PSI
4. CONCRETE - CLASS E (LIGHT WEIGHT FILL):
   f'_c = 1000 PSI
5. REINFORCING STEEL:
   f_s = 20,000 PSI
6. STEEL JOISTS:
   STRESSES AS ADOPTED BY THE STEEL JOIST INSTITUTE
7. SOIL BEARING: 4000 PSF

RECORD DRAWING NOTE
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AS BUILT
APPROVED BY
DATE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LAUNCH OPERATIONS CENTER

BLACK & VEATCH CONSULTING ENGINEERS KANSAS CITY, MISSOURI
U.S. ARMY ENGINEER DISTRICT, CANAVERAL CORPS OF ENGINEERS MERRITT ISLAND, FLA.

NASA MERRITT ISLAND LAUNCH AREA
MERRITT ISLAND, FLA.

CENTRAL INSTRUMENTATION FACILITY
OPERATIONS BUILDING
FOUNDATION AND FIRST FLOOR FRAMING PLAN

Dwn by B.P.B. | DATED: Oct. 1963 | SCALE: AS NOTED | DATED: 5 OCT 63 | SIZE F | FILE NO. 203-106 | SHEET 92 OF 214

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

THIS DRAWING CREATED IN AUTOCAD 2007 FILE FORMAT AND WILL BE REVISED ONLY ON AN AUTOCAD SYSTEM. FILE: 14000212P4-D08.DWG

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
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CHECKED K. RIVERA	06/10/13
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ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
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JOHN F. KENNEDY SPACE CENTER, NASA
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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557 AS-BUILTS

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	
PROJ. NO. 97963.9		SHEET 15	

D8

M1-S-201

KSC FORM 1-11 (3/76)(C/G 3/94)

TILE: \\Vitum001\acdfing\14000 Nasa\212-01_Design-Close-Demo-Vac-Face-FY13&14\Contract Drawings\Package 4\Cnt\140002129-D08.dwg PRINTED: 6/10/2013 9:58 AM, BY USER: Kristian Perez LAST MODIFIED: 1/7/2013 4:01 PM, BY USER: shaferkamp

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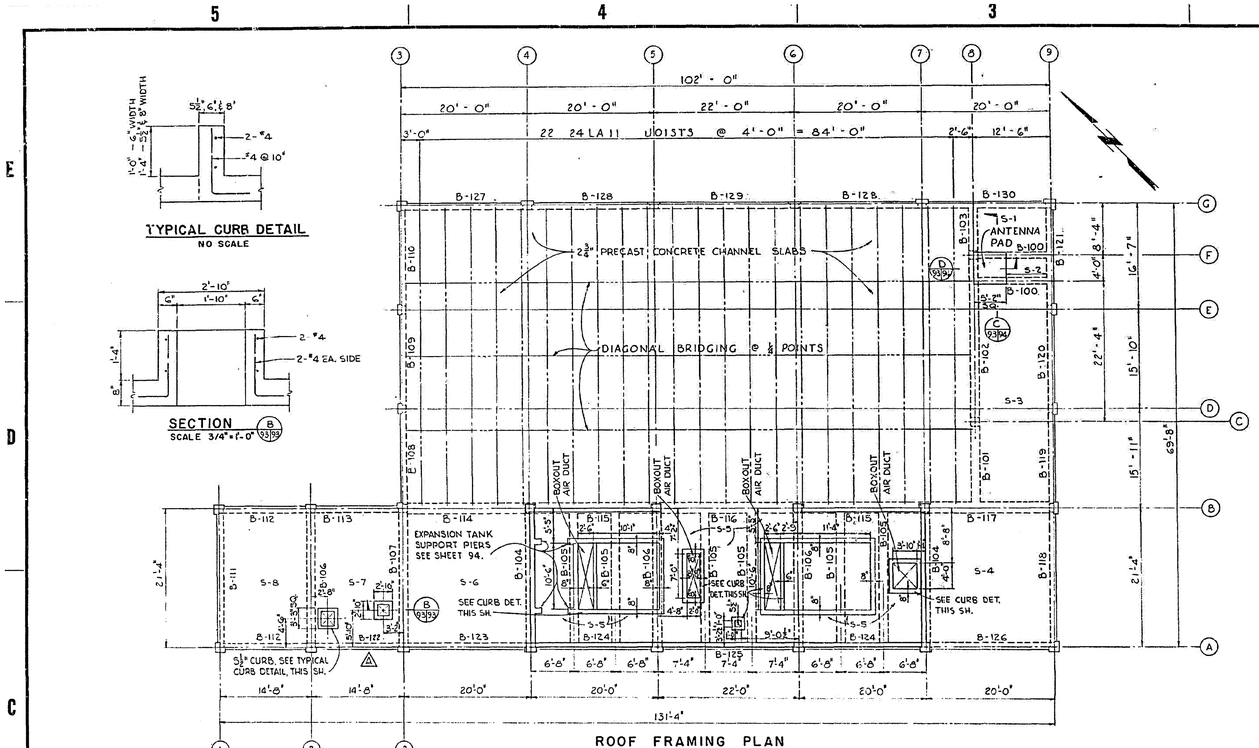
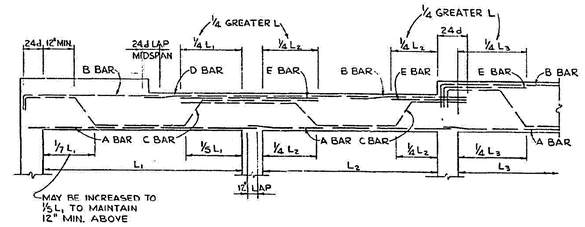
REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
11	4		REVISED TO CONFORM TO AMEND. NO. 2	2-25-04	



ROOF FRAMING PLAN
SCALE 1/8" = 1' - 0"

TYPICAL CURB DETAIL
NO SCALE

SECTION B
SCALE 3/4" = 1' - 0"



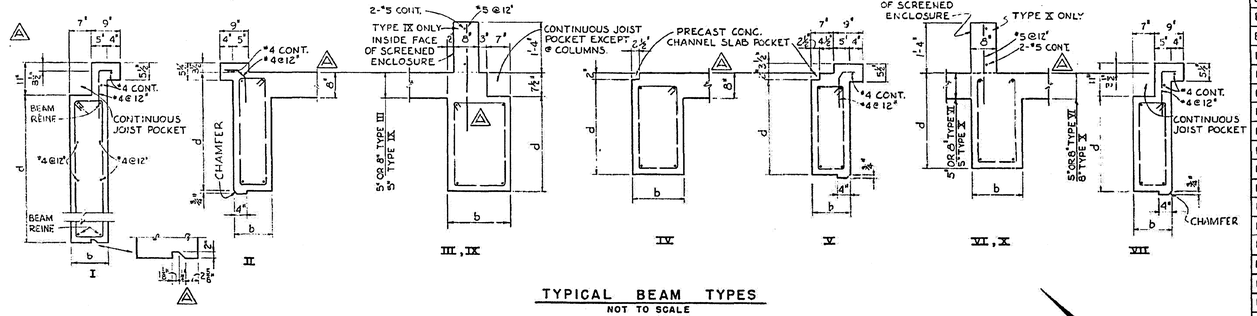
TYPICAL BEAM DETAILS
NOT TO SCALE

* BARS REQUIRE 24d EMBEDMENT

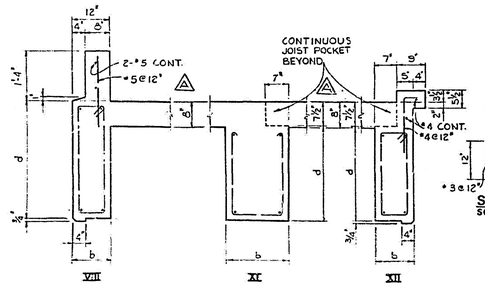
ALL STIRRUPS TO BE #3 BARS

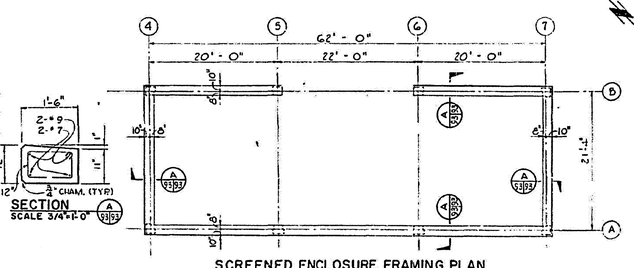
BEAM SCHEDULE

BEAM	TYPE	b	d	REINFORCING BAR A	BAR B	BAR C	BAR D	BAR E	STIRRUPS	REMARKS
B-100	VI	14"	28"	4-#8	4-#8	—	—	—	5@4", 3@6", 2@10", CONT. @12" COL. ROW 8; 1@4", CONT. @12" COL. ROW 9	A BARS REQUIRE 24d EMBEDMENT
B-101	IV	16"	30"	2-#8	2-#8	—	2-#8	—	1@4", CONT. @12" E.E.	
B-102	IV	16"	30"	2-#8	—	2-#9	2-#8	2-#9	1@4", CONT. @12", COL. C8; 6@3", 6@4", 2@6", CONT. @12", COL. F8	E BAR AT COL. F8
B-103	IV	16"	30"	2-#8	2-#8	—	2-#8	—	1@4", CONT. @12" E.E.	B BARS CONTINUOUS WITH D BARS BEAM 102 & 103
B-104	X	16"	24"	2-#5	2-#7	2-#9	—	—	1@4", 3@8", CONT. @12" E.E.	
B-105	VI	16"	24"	3-#9	2-#7	2-#9	—	—	1@4", CONT. @12" E.E.	
B-106	VI	16"	24"	2-#9	2-#7	2-#9	—	—	• • • •	
B-107	VI	16"	24"	2-#8	2-#6	1-#10	2-#8	1-#10	2@4", CONT. @12" E.E.	E BAR AT COL. B3
B-108	V	12"	35½"	2-#8	—	—	2-#8; 2-#7	—	1@4", CONT. @12" E.E.	2-#8 D BARS AT COL. B3; 2-#7 D BARS AT COL. D3
B-109	V	12"	35½"	2-#8	—	—	2-#7	—	• • • •	
B-110	V	12"	35½"	2-#8	2-#7	—	2-#7	—	• • • •	
B-111	II	12"	37½"	2-#6	2-#5	1-#9	—	—	1@9", CONT. @18" E.E.	
B-112	II	12"	37½"	2-#5	2-#5	1-#8	2-#5	—	1@9", CONT. @18" E.E.	
B-113	II	12"	37½"	2-#5	2-#7	1-#8	2-#5	—	• • • •	2-#7 B BARS AT COL. B5
B-114	III	20"	30"	2-#8	2-#7	1-#10	2-#8	—	3@4", CONT. @12", COL. B4; 1@4", CONT. @12", COL. B3	2-#7 B BARS AT COL. B3
B-115	IX	20"	30"	2-#9	—	2-#10	2-#8	—	8@4", CONT. @12" COL. B4 & B7; 4@4", 8@4", CONT. @12" COL. B5 & B6	
B-116	III	20"	30"	2-#9	—	2-#10	2-#8	—	10@4", 8@6", CONT. @12" E.E.	
B-117	III VI	20"	30"	2-#8	2-#5	1-#10	2-#8	—	3@6", CONT. @12", COL. B7; 1@6", CONT. @12", COL. B9	
B-118	II	12"	37½"	2-#8	2-#5	1-#8	2-#5	—	1@9", CONT. @18" E.E.	
B-119	II	12"	37½"	2-#5	—	1-#8	2-#5	—	• • • •	
B-120	II	12"	37½"	2-#5	—	1-#8	2-#5	—	• • • •	
B-121	II	12"	37½"	2-#8	2-#5	1-#8	2-#5	—	1@6", 4@12", CONT. @18" COL. E9; 1@9", CONT. @18" COL. G9	
B-122	II	12"	37½"	2-#5	—	1-#8	2-#5	—	1@9", CONT. @18" E.E.	
B-123	II	12"	37½"	2-#5	—	1-#8	2-#5	—	• • • •	
B-124	VIII	12"	37½"	2-#7	—	1-#10	2-#5; 2-#8	—	1@6", 6@12", CONT. @18" E.E.	2-#5 D BARS AT COL. A4 & A7; 2-#8 D BARS AT COL. A5 & A6
B-125	VIII	12"	37½"	2-#7	—	1-#10	2-#8	—	1@6", 7@12", CONT. @18" E.E.	
B-126	II	12"	37½"	2-#5	2-#5	1-#8	2-#5	—	1@9", CONT. @18" E.E.	
B-127	VII	12"	30"	2-#8	2-#5	1-#10	2-#6	—	6@6", 5@10", CONT. @12" COL. G3; 3@4", 8@4", CONT. @12" COL. G4	
B-128	VII	12"	30"	2-#6	—	1-#10	2-#6	—	9@4", 6@8", CONT. @12" COL. G4 & G7; 3@4", 8@6", CONT. @12" COL. G5 & G6	
B-129	I	12"	44½"	2-#6	—	1-#10	2-#6	—	5@8", CONT. @12" E.E.	
B-130	VII VIII	12"	30"	4-#6	2-#6	—	2-#6	1-#9	3@4", 8@6", CONT. @12" COL. G7; 6@6", 5@10", CONT. @12" COL. G9	E BAR CONTINUOUS THRU BEAM & EMBEDED 24d AT COL. G9



TYPICAL BEAM TYPES
NOT TO SCALE





SECTION A
SCALE 3/4" = 1' - 0"

SCREENED ENCLOSURE FRAMING PLAN
SCALE 1/8" = 1' - 0"

GRAPHIC SCALES

1/16" = 1' - 0" 0' 5' 10' 15' 20' 25'

3/4" = 1' - 0" 0 1' 2' 3' 4'

AS BUILT
APPROVED BY
DATE 14 OCT 1993

RECORD DRAWING NOTE
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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NASA MERRITT ISLAND LAUNCH AREA
MERRITT ISLAND, FLA.

CENTRAL INSTRUMENTATION FACILITY
OPERATIONS BUILDING
ROOF AND SCREENED ENCLOSURE FRAMING PLANS

Drn by B.P.B. | Chk by J.M.P. | DATED: OCT. 1963 | SCALE: AS NOTED | DATED: OCT 1963 | SHEET 93 OF 214

B09.01 00.0ADS007.00 1 24-E

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SYM	ZONE	DESCRIPTION	DATE	APPROVED

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KENNEDY SPACE CENTER, FLORIDA

CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557 AS-BUILTS

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	
PROJ. NO. 97963.9		SHEET 16	

D9

M1-S-202

FILE: \\Titusmd01\drafting\14000 Nasa\212-01_Design-Close-Demo-Var-Facs-FY13&14\Contract Drawings\Package 4\Cwl\14000212P4-D09.dwg PRINTED: 6/10/2013 9:59 AM, BY USER: Kristian Perez LAST MODIFIED: 1/7/2013 4:01 PM, BY USER: shofertomp

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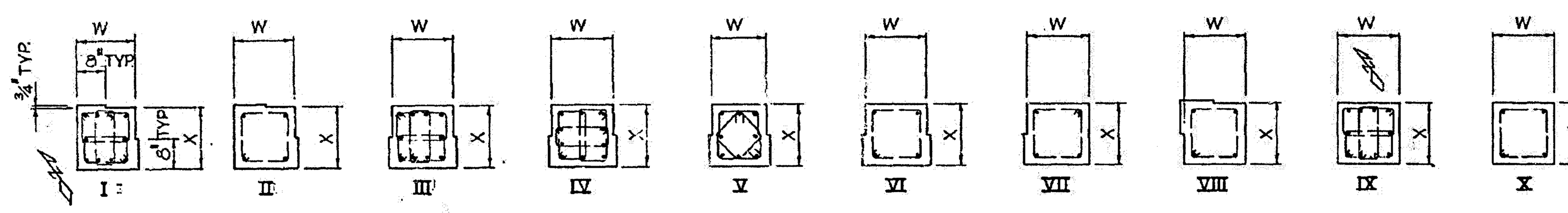
COLUMN AND FOOTING SCHEDULE

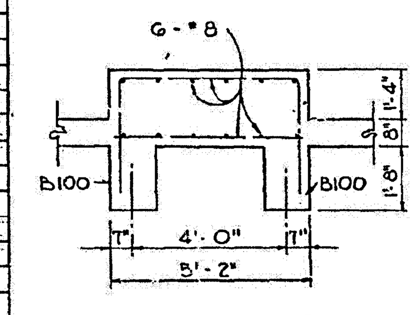
	MARK	A1	A2	A3	A4	A5	A6	A7	A9	B1	B2	B3	B4	B5	B6
TOP OF SCREENED ENCLOSURE	TYPE	—	—	—	II	VI	VI	II	—	—	—	—	II	VII	VII
	W	—	—	—	1'-4"	1'-4"	1'-4"	1'-4"	—	—	—	—	1'-4"	1'-4"	1'-4"
	X	—	—	—	1'-4"	1'-4"	1'-4"	1'-4"	—	—	—	—	1'-4"	1'-4"	1'-4"
	REINF.	—	—	—	4-#9	4-#9	4-#9	4-#9	—	—	—	—	4-#10	4-#9	4-#9
ROOF	TIES	—	—	—	#3@16"	#3@16"	#3@16"	#3@16"	—	—	—	—	#3@16"	#3@16"	#3@16"
	TYPE	I	III	III	VI	III	III	VI	I	I	III	VIII	X	IX	IX
	W	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"
	X	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"
	REINF.	10-#9	10-#9	10-#7	4-#9	10-#9	10-#9	4-#9	10-#7	10-#9	10-#9	4-#9	4-#10	10-#10	10-#10
TOP OF FOOTING	TIES	#3@16"	#3@16"	#3@14"	#3@16"	#3@16"	#3@16"	#3@16"	#3@14"	#3@16"	#3@16"	#3@16"	#3@16"	#3@16"	#3@16"
	F	6'-3"	6'-3"	6'-3"	6'-3"	7'-11"	7'-11"	6'-3"	6'-9"	6'-3"	6'-3"	6'-3"	3'-0	6'-7"	6'-9"
	TYPE	I	I	I	I	I	I	I	I	I	I	I	I	I	I
	T	1'-0"	1'-0"	1'-0"	1'-4"	1'-6"	1'-6"	1'-4"	1'-0"	1'-0"	1'-0"	1'-4"	1'-6"	1'-6"	1'-6"
	Y	4'-0"	5'-0"	5'-0"	7'-0"	7'-6"	7'-6"	7'-0"	4'-0"	4'-0"	5'-0"	7'-0"	7'-6"	7'-6"	7'-6"
	Z	4'-0"	5'-0"	5'-0"	7'-0"	7'-6"	7'-6"	7'-0"	4'-0"	4'-0"	5'-0"	7'-0"	7'-6"	7'-6"	7'-6"
REINFORCING	Y	4-#5	6-#6	6-#6	6-#7	7-#7	7-#7	6-#7	4-#5	4-#5	6-#6	6-#7	8-#7	8-#7	8-#7
	Z	4-#5	6-#6	6-#6	6-#7	7-#7	7-#7	6-#7	4-#5	4-#5	6-#6	6-#7	8-#7	8-#7	8-#7
MAX. COL. LOAD (KIPS) DEAD LOAD	—	23.2	44.1	45.5	76.5	86.4	86.4	78.8	27.2	23.2	44.2	76.8	114.4	119.9	119.9
LIVE LOAD	—	2.2	5.8	4.0	19.9	30.4	30.4	20.1	2.1	2.2	5.7	11.7	25.8	30.9	30.9
WIND LOAD	—	5.8	5.2	5.6	6.1	5.2	5.2	6.1	6.0	5.8	5.2	1.2	6.1	5.2	5.2
HORZ. SHEAR (WIND) NE-SW	—	6.2	5.5	5.5	4.1	5.5	5.5	4.1	6.2	6.2	5.5	6.5	4.1	5.5	5.5
HORZ. SHEAR (WIND) NW-SE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

	MARK	B7	B9	C8	D3	D9	E3	E9	F8	G3	G4	G5	G6	G7	G9
TOP OF SCREENED ENCLOSURE	TYPE	II	—	—	—	—	—	—	—	—	—	—	—	—	—
	W	1'-4"	—	—	—	—	—	—	—	—	—	—	—	—	—
	X	1'-4"	—	—	—	—	—	—	—	—	—	—	—	—	—
	REINF.	4-#10	—	—	—	—	—	—	—	—	—	—	—	—	—
ROOF	TIES	#3@16"	—	—	—	—	—	—	—	—	—	—	—	—	—
	TYPE	X	IV	X	VI	V	VI	V	X	I	III	SEE COLUMN ELEVATION THIS SHEET		III	I
	W	1'-4"	1'-4"	1'-4"	1'-2"	1'-2"	1'-2"	1'-2"	1'-4"	1'-4"	1'-4"			1'-4"	1'-4"
	X	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"			1'-4"	1'-4"
	REINF.	4-#10	10-#7	4-#9	4-#10	8-#9	4-#10	8-#9	4-#9	10-#7	10-#9			10-#9	10-#9
TOP OF FOOTING	TIES	#3@16"	#3@14"	#3@16"	#3@14"	#3@14"	#3@14"	#3@14"	#3@16"	#3@14"	#3@16"			#3@16"	#3@16"
	F	3'-0"	6'-3"	3'-0"	6'-3"	6'-3"	6'-3"	6'-3"	6'-9"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-9"
	TYPE	I	I	I	II	II	II	II	I	I	I	III	III	I	I
	T	1'-6"	1'-0"	1'-0"	1'-6"	1'-6"	1'-6"	1'-6"	1'-0"	1'-0"	1'-6"	1'-6"	1'-6"	1'-6"	1'-0"
	Y	7'-6"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	4'-0"	10'-0"	10'-0"	10'-0"	10'-0"	4'-0"
	Z	7'-6"	5'-0"	5'-0"	9'-0"	9'-0"	9'-0"	9'-0"	5'-0"	4'-0"	5'-0"	5'-0"	5'-0"	5'-0"	4'-0"
REINFORCING	Y	8-#7	6-#6	6-#6	9-#6	9-#6	9-#6	9-#6	6-#6	4-#5	8-#8	8-#8	8-#8	8-#8	4-#5
	Z	8-#7	6-#6	6-#6	6-#7	7-#7	6-#7	7-#7	6-#6	4-#5	9-#6	9-#6	9-#6	9-#6	4-#5
MAX. COL. LOAD (KIPS) DEAD LOAD	—	116.6	50.1	32.7	10.4	20.4	11.4	33.8	31.0	22.0	44.2	54.0	54.0	45.3	23.0
LIVE LOAD	—	25.8	5.5	9.6	0.6	4.6	0.6	9.9	12.7	8.3	20.3	19.0	19.0	18.0	5.1
WIND LOAD	—	6.1	1.0	5.8	1.3	1.4	1.0	9.4	38.0	6.5	—	—	—	—	8.7
HORZ. SHEAR (WIND) NE-SW	—	4.1	6.6	—	4.4	4.4	4.4	4.4	—	6.3	15.4	16.1	16.1	15.4	6.3
HORZ. SHEAR (WIND) NW-SE	—	—	—	—	12.5	12.5	12.5	12.5	—	—	—	—	—	—	—

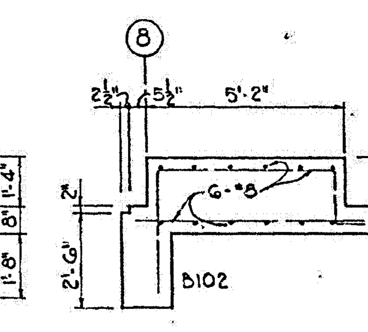
REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
	A		REVISED FOR "FRD" INDEX	6-14-61	Ruk



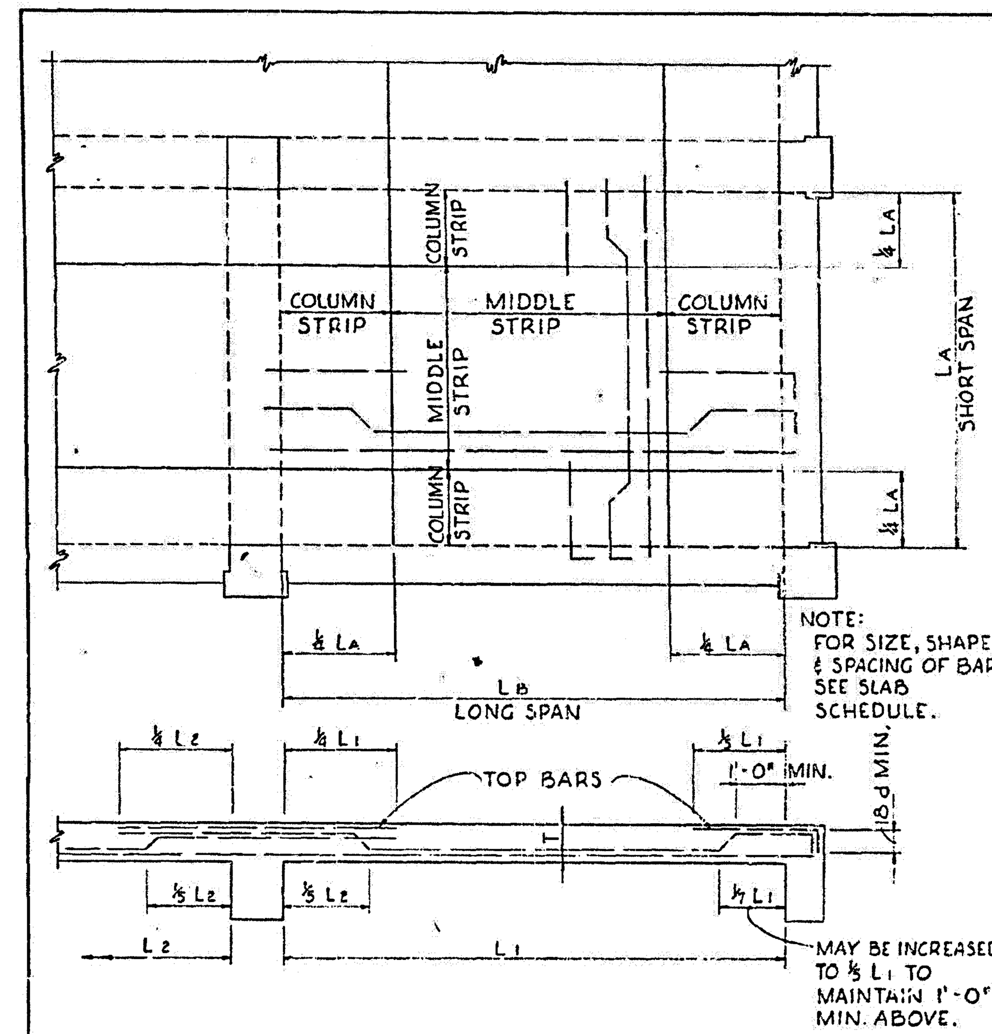
COLUMN TYPES
NOT TO SCALE



SECTION (C)
SCALE: 3/8" = 1'-0" (93|94)



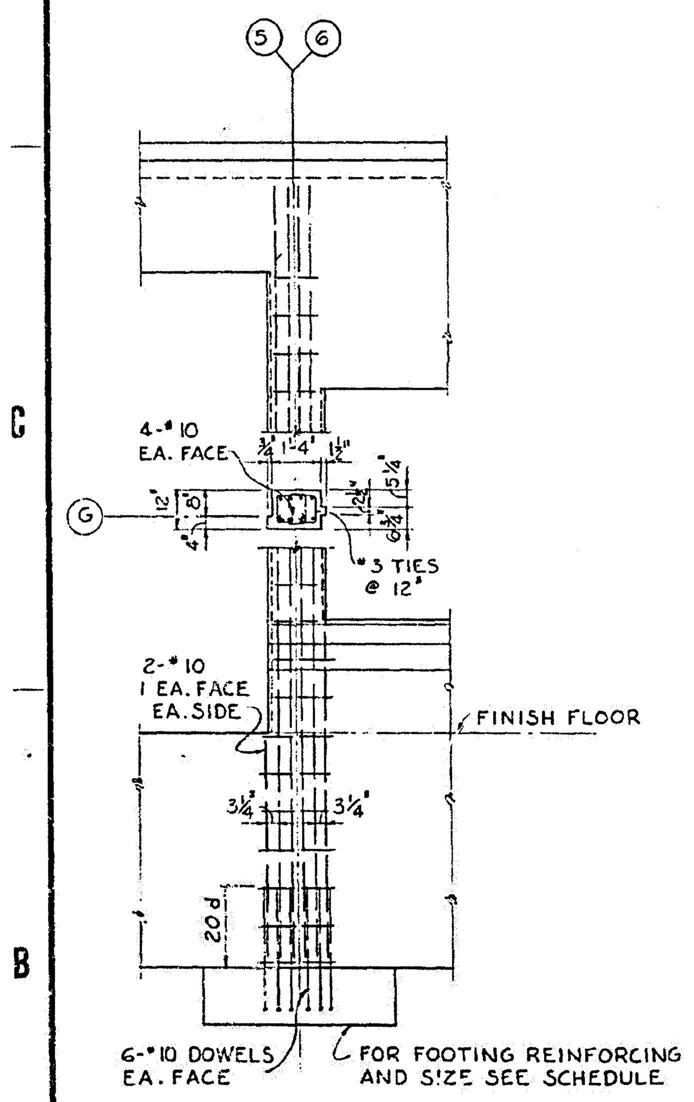
SECTION (D)
SCALE: 3/8" = 1'-0" (93|94)



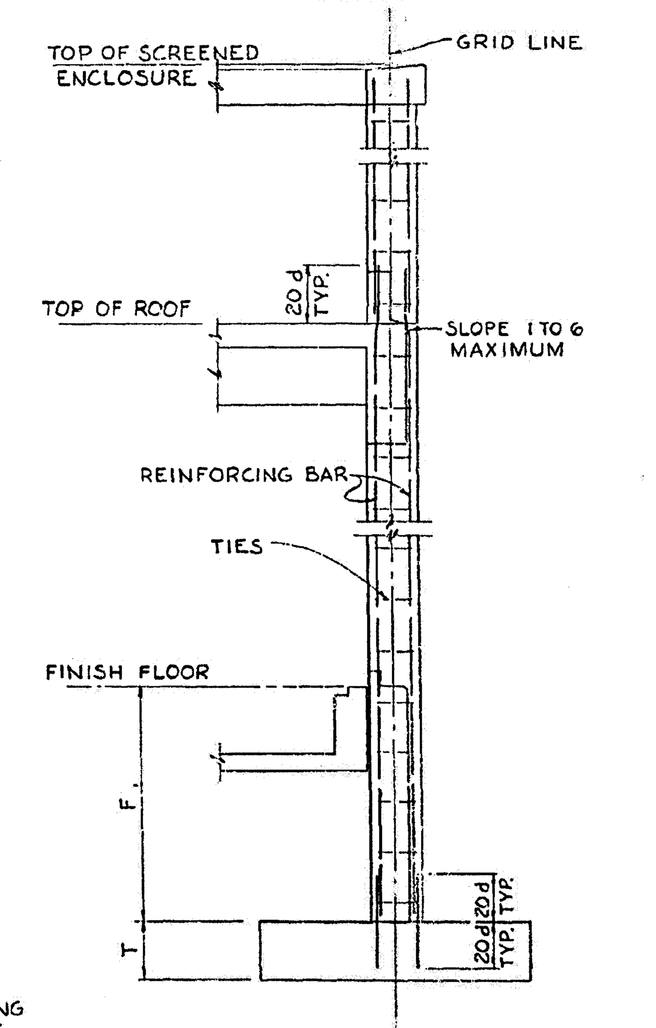
TYPICAL SLAB DETAILS

SLAB SCHEDULE

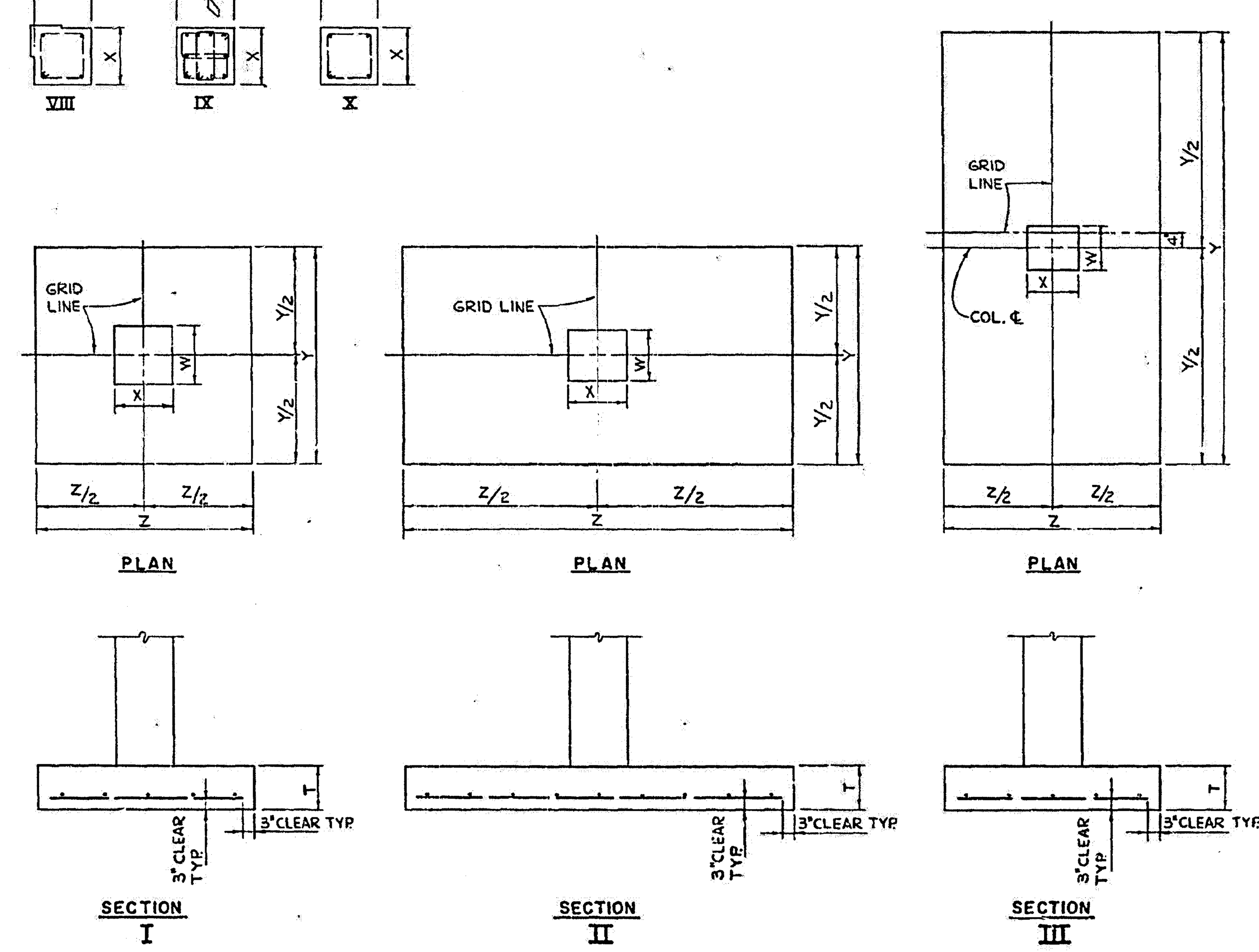
PANEL	T	REINFORCING DIRECTION	MIDDLE STRIP	COLUMN STRIP	TOP	REMARKS
S-1	8"	NE-SW	#4@12"	#4@12"	#4@12"	TOP BAR AT COL. LINE G
		NW-SE	#4@12"	#4@12"	—	BEND UP 2 OF EACH 3 BARS.
S-2	8"	NE-SW	#4@12"	#4@12"	#4@12"	TOP BARS CONTINUOUS.
		NW-SE	#4@12"	#4@12"	—	BEND UP 2 OF EACH 3 BARS.
S-3	8"	NE-SW	#4@12"	#4@12"	#4@12"	TOP BAR AT COL. LINE B
		NW-SE	#4@5½"	#4@5½"	—	BEND UP 2 OF EACH 3 BARS.
S-4	8"	NE-SW	#4@7"	#4@12"	—	" " " "
		NW-SE	#4@7"	#4@12"	—	" " " "
S-5	5"	NE-SW	#3@10"	#3@10"	—	BARS IN CENTER OF SLAB
		NW-SE	#4@6"	#4@6"	#4@6"	EXTEND TOP BARS TO OPENINGS
S-6	8"	NE-SW	#4@7"	#4@12"	—	BEND UP 2 OF EACH 3 BARS.
		NW-SE	#4@7"	#4@12"	—	" " " "
S-7	8"	NE-SW	#4@12"	#4@12"	—	" " " "
		NW-SE	#4@8"	#4@12"	—	" " " "
S-8	8"	NE-SW	#4@12"	#4@12"	—	" " " "
		NW-SE	#4@8"	#4@12"	—	" " " "



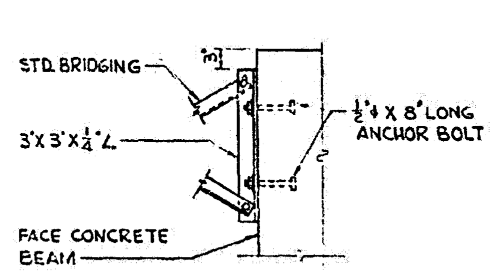
COLUMN G5 & G6 ELEVATION
G5 AS SHOWN - G6 OPP. HAND
NO SCALE



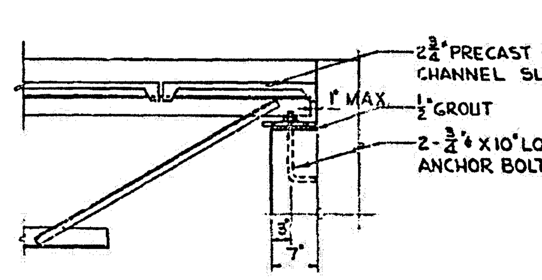
EXTERIOR COLUMN ELEVATION
AT SCREENED ENCLOSURE
NO SCALE



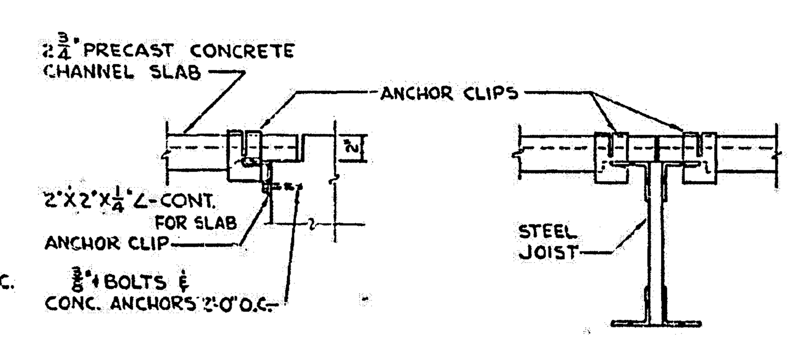
FOOTING TYPES



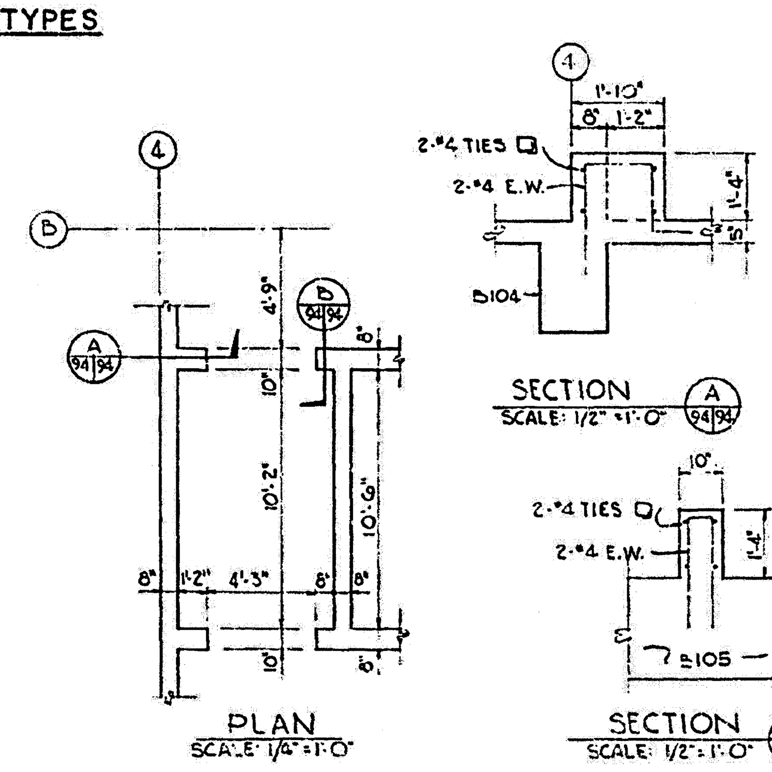
BRIDGING ANCHOR DETAIL
NO SCALE



JOIST POCKET DETAIL
NO SCALE



ROOF SLAB ANCHORAGE DETAIL
NO SCALE



EXPANSION TANK SUPPORT PIERS

RECORD DRAWING NOTE
'Shall be,' 'Provide,' 'Install,' 'Remove,' etc. indicates work was accomplished under the contract.

AS BUILT
APPROVED BY [signature]
DATE 14 OCT 1965

MI-S-203

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LAUNCH OPERATIONS CENTER

BLACK & VEATCH CONSULTING ENGINEERS KANSAS CITY, MISSOURI	U.S. ARMY ENGINEER DISTRICT, CANAVERAL CORPS OF ENGINEERS MERRITT ISLAND, FLA.

NASA MERRITT ISLAND LAUNCH AREA
MERRITT ISLAND, FLA.

CENTRAL INSTRUMENTATION FACILITY
OPERATIONS BUILDING
SLAB, COLUMN AND FOOTING SCHEDULE

Dwn By B.P.B.	INV. NO. ENG. (NASA) 08-175-64-22 DATED: Oct. 1963	SIZE F	FILE NO. 203-106
Ckd By JMP	SCALE: NO SCALE	DATED: 5 OCT 63	SHEET 94 OF 214

B09.01 00.0ADS009.00 1 24-E

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

THIS DRAWING CREATED IN AUTOCAD 2007 FILE FORMAT AND WILL BE REVISED ONLY ON AN AUTOCAD SYSTEM. FILE: 14000212P4-D10.DWG

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN C. COFFEY	06/10/13
CHECKED K. RIVERA	06/10/13
SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
I. OTERO	6.12.13

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557 AS-BUILTS

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 17

D10

FILE: \\titusmdi01\drafting\14000 Nasa\212-01_Design-Close-Demo-Var-Facs-FY13&14\Contract Drawings\Package 4\Civil\14000212P4-D10.dwg PRINTED: 6/10/2013 9:59 AM, BY USER: Kristian Perez LAST MODIFIED: 1/7/2013 4:01 PM, BY USER: shaferkamp

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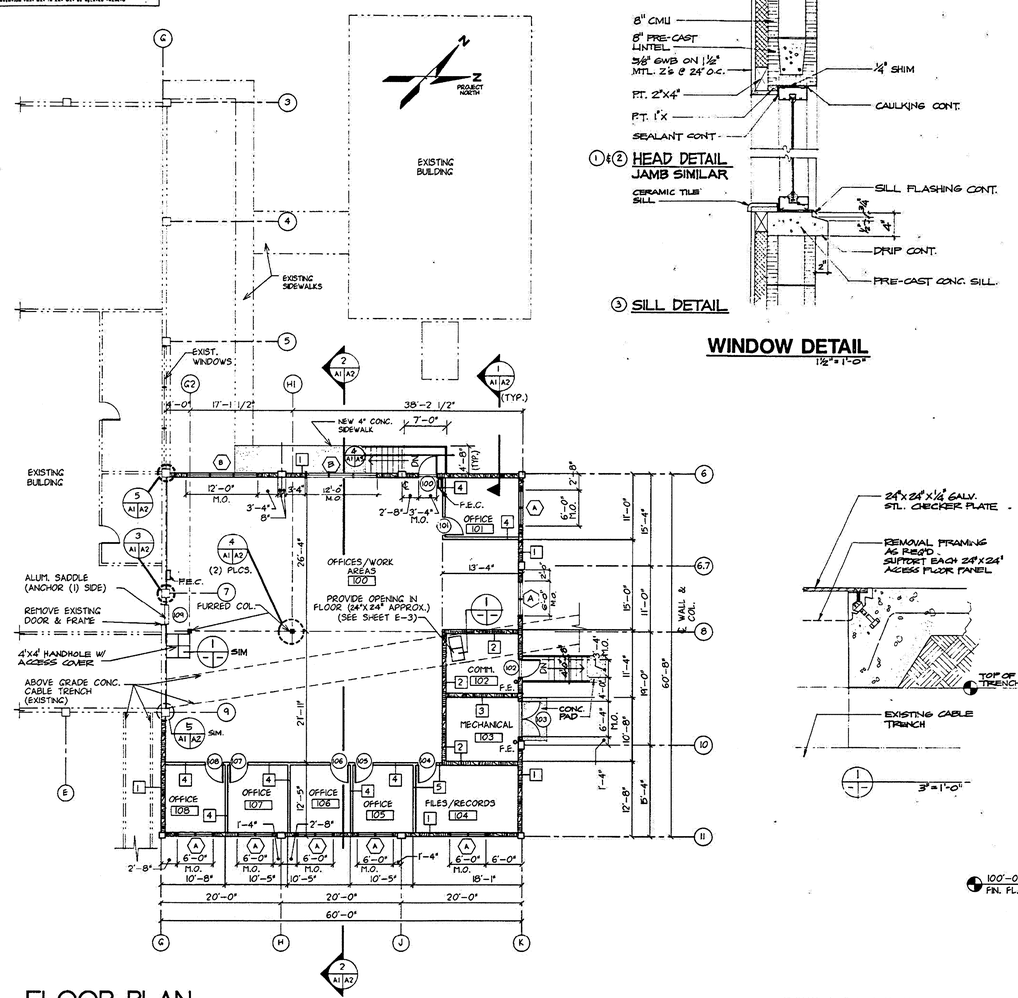
GENERAL NOTE

THE CONTRACT DRAWINGS CONTAIN INFORMATION FROM EXISTING RECORD DRAWINGS RETRIEVED FROM SEVERAL PRIOR DESIGN PACKAGES. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING THAT ACTUAL CONDITIONS MATCH THE CONTRACT DRAWINGS. CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR REVIEWING AND CHECKING ALL INFORMATION CONTAINED IN THE CONTRACT DRAWINGS AND FOR ANY INTERPRETATION OR CONCLUSION DRAWN FROM THE INFORMATION PROVIDED.



FLOOR PLAN
1/8" = 1'-0"

1 & 2 HEAD DETAIL
JAMB SIMILAR

3 SILL DETAIL

WINDOW DETAIL
1 1/2" = 1'-0"

FINISH LEGEND

P – PAINTED
GWB – GYPSUM WALL BOARD
V – VINYL
ACT – ACOUSTIC CEILING TILE
CMU – CONCRETE MASONRY UNIT
--- – NO FINISH REQURED

COLOR/FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEIL.	CEIL. HGT.	REMARKS
100	OFFICES/WORK AREAS	CARPET TILES	VINYL	NOTE:1	NOTE:1	GWB/P	GWB/P	ACT	9'-0"	SEE NOTE #2 BELOW
101	OFFICE	CARPET TILES	VINYL	GWB/P	NOTE:1	NOTE:1	GWB/P	ACT	9'-0"	
102	COMMUNICATIONS	SEALED CONC.	---	CMU/P	CMU/P	CMU/P	CMU/P	EXPOSED STRUCT.	---	
103	MECHANICAL	SEALED CONC.	---	CMU/P	CMU/P	CMU/P	CMU/P	EXPOSED STRUCT.	---	
104	FILES/RECORDS	CARPET TILES	VINYL	GWB/P	GWB/P	GWB/P	GWB/P	ACT	9'-0"	
105	OFFICE	CARPET TILES	VINYL	GWB/P	GWB/P	NOTE:1	NOTE:1	ACT	9'-0"	
106	OFFICE	CARPET TILES	VINYL	NOTE:1	GWB/P	NOTE:1	NOTE:1	ACT	9'-0"	
107	OFFICE	CARPET TILES	VINYL	NOTE:1	GWB/P	NOTE:1	NOTE:1	ACT	9'-0"	
108	OFFICE	CARPET TILES	VINYL	NOTE:1	GWB/P	GWB/P	NOTE:1	ACT	9'-0"	

NOTE: 1 DEMOUNTABLE WALL SYSTEM (WALL TYPE 4) W/ FINISHED VINYL WALL FABRIC SURFACE, REFER TO SPECIFICATIONS.

NOTE: 2 FUR EXISTING CMU WALL W/ 7/8" HAT CHANNEL & 5/8" GWB TO 4" ABOVE CEILING LINE.

DOOR LEGEND

WD. – WOOD
S.C. – SOLID CORE
H.M. – HOLLOW METAL
GL. – GLASS
ALUM. – ALUMINUM
U.C. – UNDER CUT

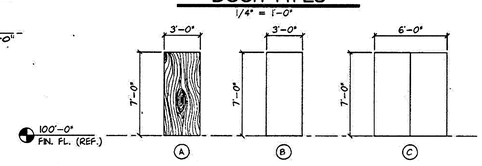
DOOR SCHEDULE

DOOR #	DOOR SIZE	DOOR THK.	DOOR TYPE	DOOR MAT'L	FRAME TYPE	FRAME MAT'L	FRAME DEPTH	LOUVER MAT'L	LOUVER DEPTH	THRESH.	LABEL	DETAILS H	DETAILS J	DETAILS S	HDW. #	REMARKS
100	3'X7'	1 3/4"	B	H.M.	1	H.M.	5 3/4"	–	–	ALUM.		1	1	1	1	1.
101	3'X7'	1 3/4"	A	S.C./ WD.	3	H.M.	±2 1/2"	–	–	–		4	4	–	2	2.
102	3'X7'	1 3/4"	B	H.M.	1	H.M.	5 3/4"	–	–	ALUM.		1	1	1	3	
103	PAIR 3'X7'	1 3/4"	C	H.M.	2	H.M.	5 3/4"	–	–	ALUM.		1	1	1	4	
104	3'X7'	1 3/4"	A	S.C./ WD.	3	H.M.	6"	–	–	–	20" 3/4 HR.	3	3	–	5	3.
105	3'X7'	1 3/4"	A	S.C./ WD.	3	H.M.	±2 1/2"	–	–	–		4	4	–	2	2.
106	3'X7'	1 3/4"	A	S.C./ WD.	3	H.M.	±2 1/2"	–	–	–		4	4	–	2	2.
107	3'X7'	1 3/4"	A	S.C./ WD.	3	H.M.	±2 1/2"	–	–	–		4	4	–	2	2.
108	3'X7'	1 3/4"	A	S.C./ WD.	3	H.M.	±2 1/2"	–	–	–		4	4	–	2	2.
109	3'X7'	–	–	–	3	H.M.	8 1/8" ±	–	–	ALUM.		2	2	2	–	4.

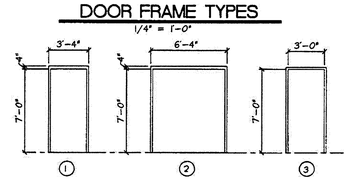
DOOR REMARKS

1. INSULATED CORE
2. DOOR & FRAME BY PARTITION MFR. VERIFY ACTUAL DIMENSION W/ MFR.
3. DOOR TO MATCH THOSE SUPPLIED BY PARTITION MFR.
4. WRAP-AROUND CASED OPENING FRAME.
5. REFER TO SHEET A-3 FOR DETAILS.

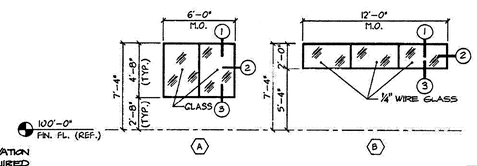
DOOR TYPES
1/4" = 1'-0"



DOOR FRAME TYPES
1/4" = 1'-0"



WINDOW TYPES
1/4" = 1'-0"



CODE DATA

CODE: STANDARD BUILDING CODE, 1988 EDITION

BUILDING OCCUPANCY: GROUP B, BUSINESS, SBC SECTION 405

BUILDING CONSTRUCTION TYPE: TYPE IV, UNPROTECTED, UNSPRINKLED

EXISTING BUILDING AREA	– 9150 GSF
NEW EXPANSION	– 3640 GSF
TOTAL	• 12,790 GSF

• ALLOWABLE BUILDING AREA ACCORDING TO TABLE 400, SBC, 17,000 GSF.

WALL TYPES

1 – 8" CMU W/ 1" INSULATION (R7.2), 1 1/2" MTL. "Z" @ 24" O.C. AND 5/8" GWB. GWB AND INSULATION TO STRUCTURE ABOVE.

2 – 8" CMU (1 HR. RATED) W/ 1" INSULATION (R7.2),1 1/2" MTL. "Z" @ 24" O.C. AND 5/8" GWB TO STRUCTURE ABOVE. NO FINISH REQURED FOR ROOMS 102 & 103 EXCEPT PAINTING.

3 – 8" CMU WALL (1 HR. RATED) TO STRUCTURE ABOVE W/ PAINTED FINISH.

4 – DEMOUNTABLE WALL PARTITION TO CEILING LINE.

5 – 3 5/8" MTL. STUDS @ 16" O.C. W/ 5/8 TYPE "X" GWB EACH SIDE TO ROOF DECK. (1 HR. RATED , U.L. DESIGN NO. U-465.) SEAL MTL. DECK VOIDS W/ APPROVED FIRE SAFING MATERIAL.

ABBREVIATIONS

EXIST.	EXISTING		
CONT.	CONTINUE		
GWB	GYPSUM WALL BOARD		
COL.	COLUMN		
CMU	CONCRETE MASONRY UNIT		
M.O.	MASONRY OPENING		
F.E.	FIRE EXTINGUISHER		
F.E.C.	FIRE EXTINGUISHER CABINET		
P.T.	PRESSURE TREATED		
MTL.	METAL		
STL.	STEEL	ELEV.	ELEVATION
TYP.	TYPICAL	REQ'D	REQUIRED
SIM.	SIMILAR	DBL.	DOUBLE
MFR.	MANUFACTURER	INSUL.	INSULATION
REF.	REFERENCE	O.C.	ON CENTER
FL.	FLOOR	GALV.	GALVANIZE
FIN.	FINISH	REINF.	REINFORCING
CONC.	CONCRETE	APPROX.	APPROXIMATELY

SYM.	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

SIGNATURES		DATE
DRAWN	EJM	4.9.90
CHECKED	RET	4.9.90
ENGINEER		
SUBMITTED		
APPROVED		

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

ENVIRONMENTAL HEALTH FACILITY ANNEX

FLOOR PLAN, SCHEDULES, NOTES

SIZE F | DWG. NO. 79K 32996 | REV

TITLE | PROJ. NO. PCN 95749 | SHEET 3 OF 13

A-1

BRPH
BRIEL - RHAME - POYNTER - HOUSER
Architects - Engineers, Inc.
MELBOURNE, FLORIDA

3380.35

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SYM.	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

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JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN C. COFFEY	06/10/13
CHECKED K. RIVERA	06/10/13
SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
I. OTERO	6.12.13

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557 AS-BUILTS

FILE NO. | SIZE F | DWG. NO. 79K39392 | REV

PROJ. NO. 97963.9 | SHEET 18

D11

KSC FORM 1-11 (3/76)(C/G 3/94)

TILE: \\Hfsunix01\drafting\14000 Nasa\212-01_Design-Close-Demo-Var-Facs-FY13&14\Contract Drawings\Package 4\Civil\14000212P4-D11.dwg PRINTED: 6/10/2013 9:59 AM, BY USER: Kristian Perez LAST MODIFIED: 1/7/2013 4:02 PM, BY USER: shofertcamp

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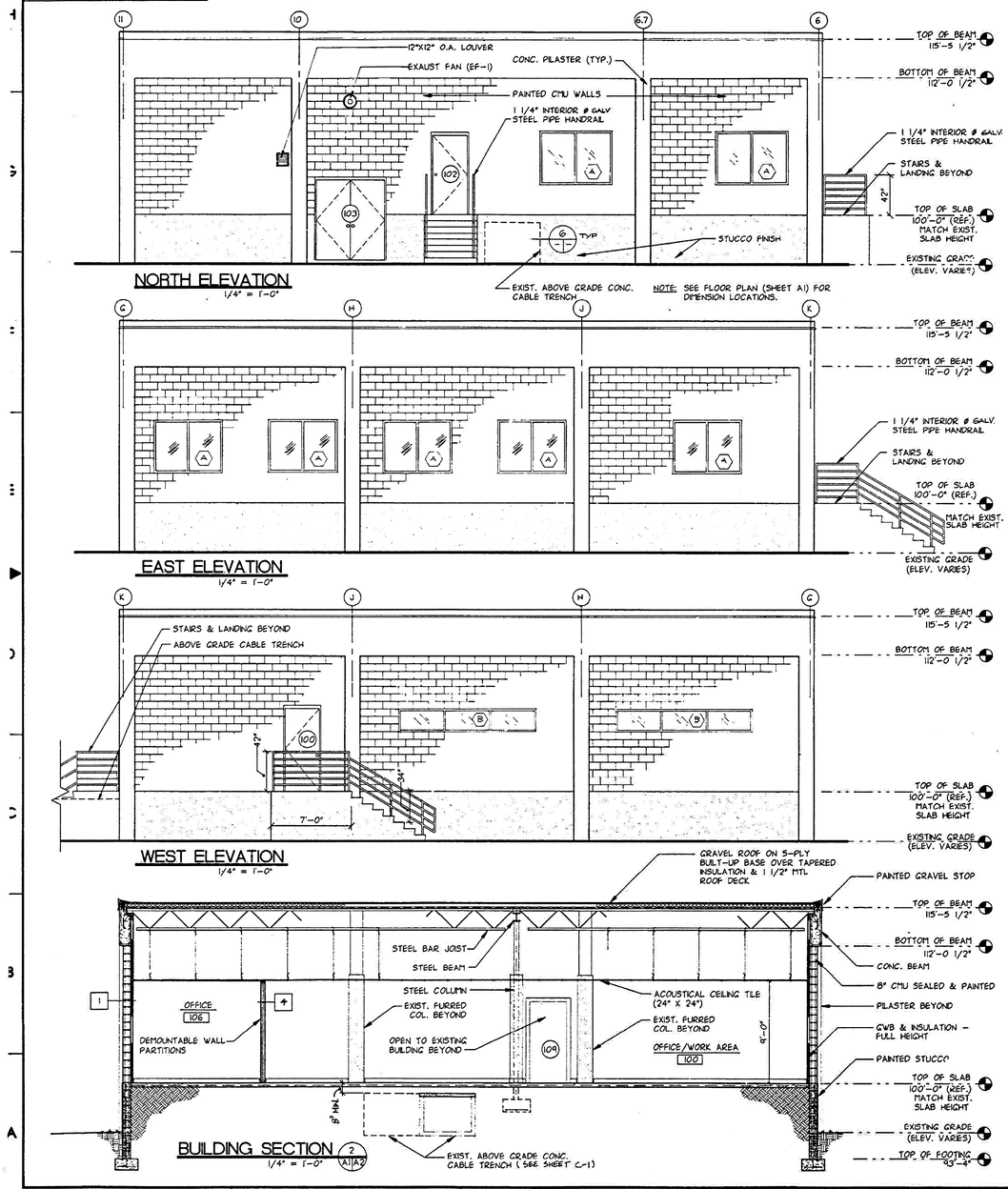

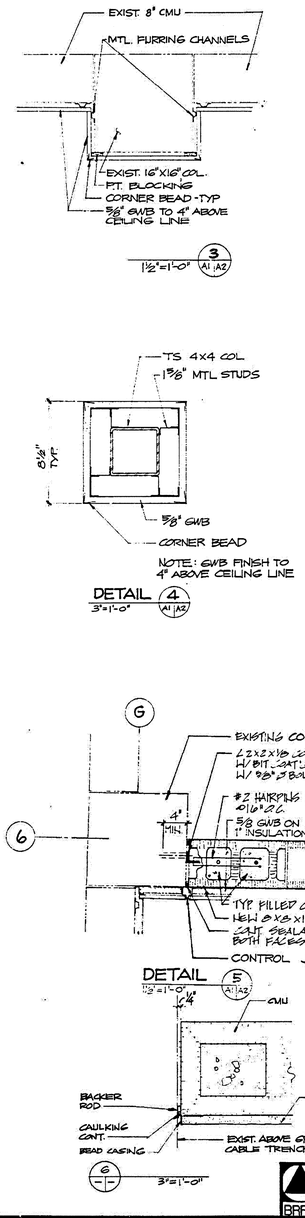

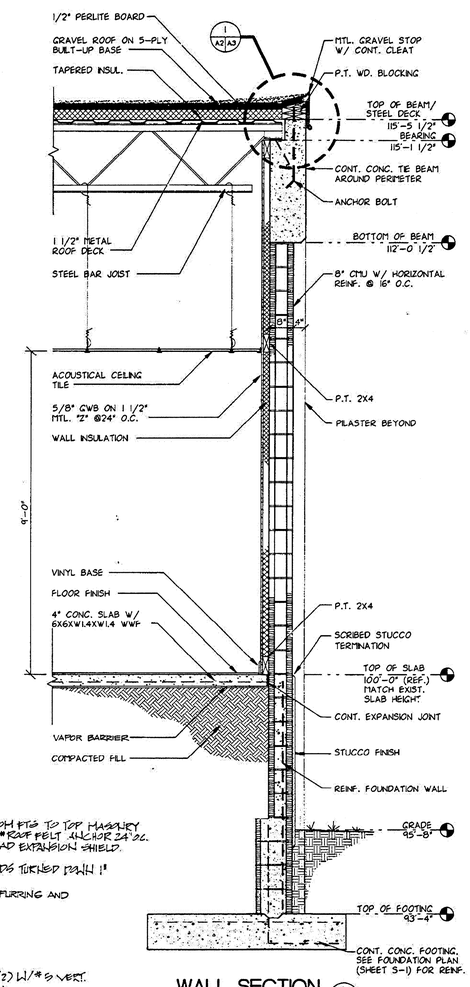

SYM.	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

SIGNATURES	DATE
DRAWN EJM	4 9 90
CHECKED R.E.T	4 9 90
ENGINEER	
SUBMITTED	6-6-90
APPROVED	DATE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

ENVIRONMENTAL HEALTH FACILITY ANNEX

ELEVATIONS, BUILDING SECTIONS

A-2

BREL-RHAME-POYNTER-HOUSER Architects - Engineers, Inc. MELBOURNE, FLORIDA

SIZE F | DWG. NO. 79K 32996 | REV

TITLE | PROJ. NO. PCN 95749 | SHEET 4 OF 13

3380.35

KSC FORM 1-11 (REV 3 76)

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SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN C. COFFEY	06/10/13
CHECKED K. RIVERA	06/10/13
SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
I. OTERO	6.12.13

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557 AS-BUILTS

FILE NO. | SIZE F | DWG. NO. 79K39392 | REV

PROJ. NO. 97963.9 | SHEET 19

D12

FILE: \\fileserv01\drafting\14000 Nasa\212-01_Design-Close-Demo-Var-Fcs-FY13&14\Contract Drawings\Package 4\Civil\14000212P4-D12.dwg PRINTED: 6/10/2013 9:59 AM, BY USER: Kristian Perez LAST MODIFIED: 1/7/2013 4:02 PM, BY USER: shotterkamp

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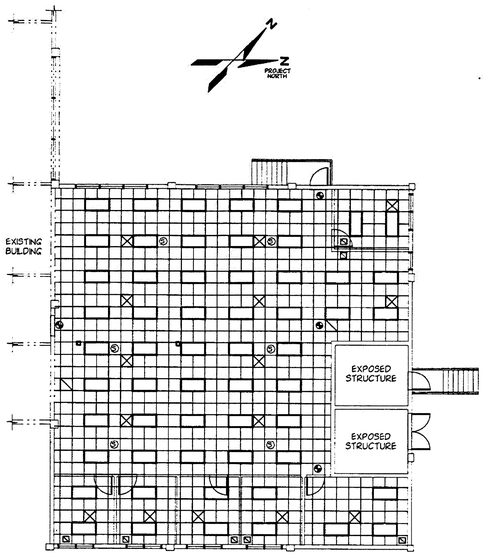
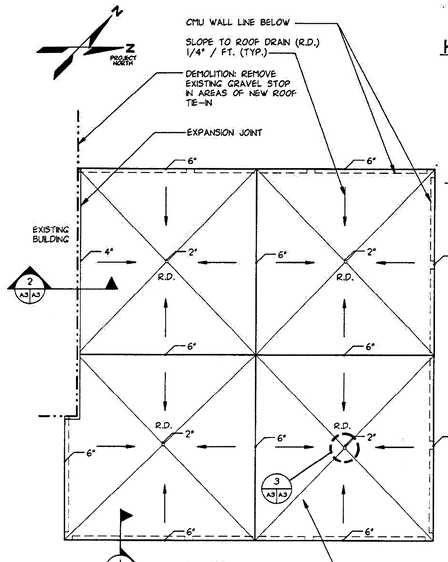


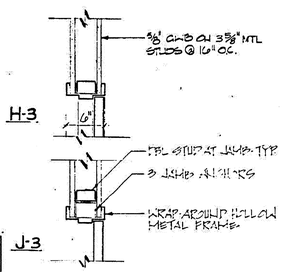
REFLECT. CEILING PLAN
1/8" = 1'-0"

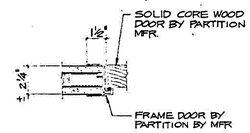
LEGEND
- EXIT LIGHT
- DIFFUSER
- RETURN AIR
- 2'X4' FLUORESCENT FIXTURE
- OUTLET FOR FUTURE PAGING SPEAKER
- 2'X2' ACOUSTIC TILE CEILING



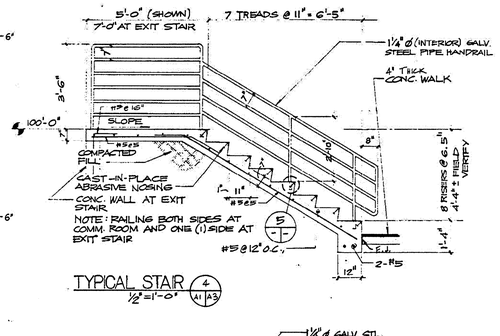
NOTE: DIMENSIONS SHOWN ARE FROM ROOF DECK SURFACE (0'-0")

ROOF PLAN
1/8" = 1'-0"

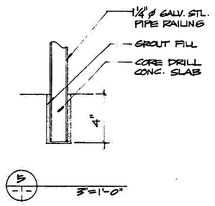




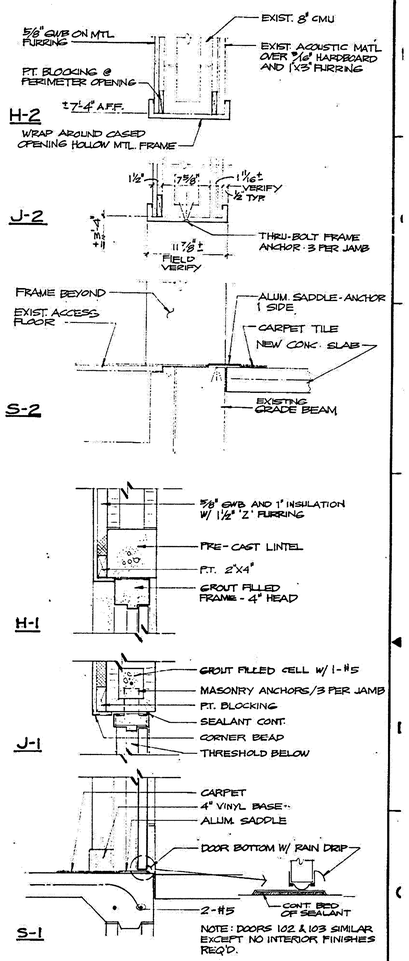
H-4 JAMB SIMILAR

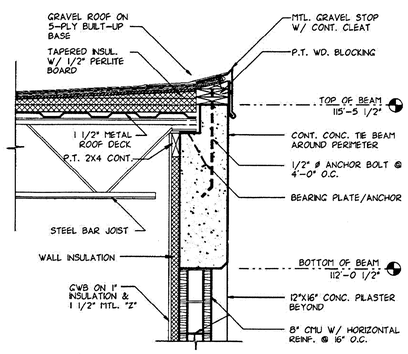


TYPICAL STAIR
1/2" = 1'-0"

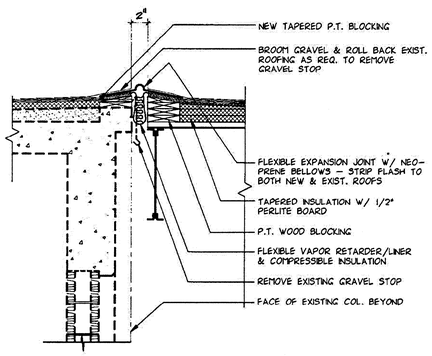


3" = 1'-0"

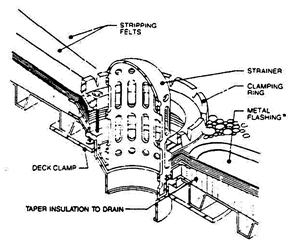




SECTION
1" = 1'-0"



SECTION
1" = 1'-0"



NOTES:
MIN. 30" SQUARE 2½-LB. TO 4-LB. LEAD OR 16-OZ. SOFT COPPER FLASHING SET ON FINISHED ROOFING FELTS IN MASTIC. PRIME TOP SURFACE BEFORE STRIPPING.
MEMBRANE PLIES, METAL FLASHING, AND FLASH-IN PLIES EXTEND UNDER CLAMPING RING.
STRIPPING FELTS EXTEND 4" AND 8" BEYOND EDGE OF FLASHING SHEET.

ROOF DRAIN DETAIL
N.T.S.

SYM.	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

SIGNATURES		DATE
DRAWN	EJM	4-30-90
CHECKED	RET	4-30-90
ENGINEER		
SUBMITTED		6-4-90
APPROVED		6-7-90

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

ENVIRONMENTAL HEALTH FACILITY ANNEX

REFLECTED CEILING PLAN, ROOF PLAN, DETAILS

SIZE F | DWG. NO. 79K 32996 | REV
PROJ. NO. PCN 95749 | SHEET 5 OF 13

A-3

BRPH BRIEL - RHAME - POYNTER - HOUSER
Architects - Engineers, Inc.
MELBOURNE, FLORIDA

3280.35

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SYM	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

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SIGNATURES	DATE
DRAWN C. COFFEY	06/10/13
CHECKED K. RIVERA	06/10/13
SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
I. OTERO	6.12.13

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557 AS-BUILTS

FILE NO. | SIZE F | DWG. NO. 79K39392 | REV
PROJ. NO. 97963.9 | SHEET 20

D13

KSC FORM 1-11 (3/76)(C/G 3/94)

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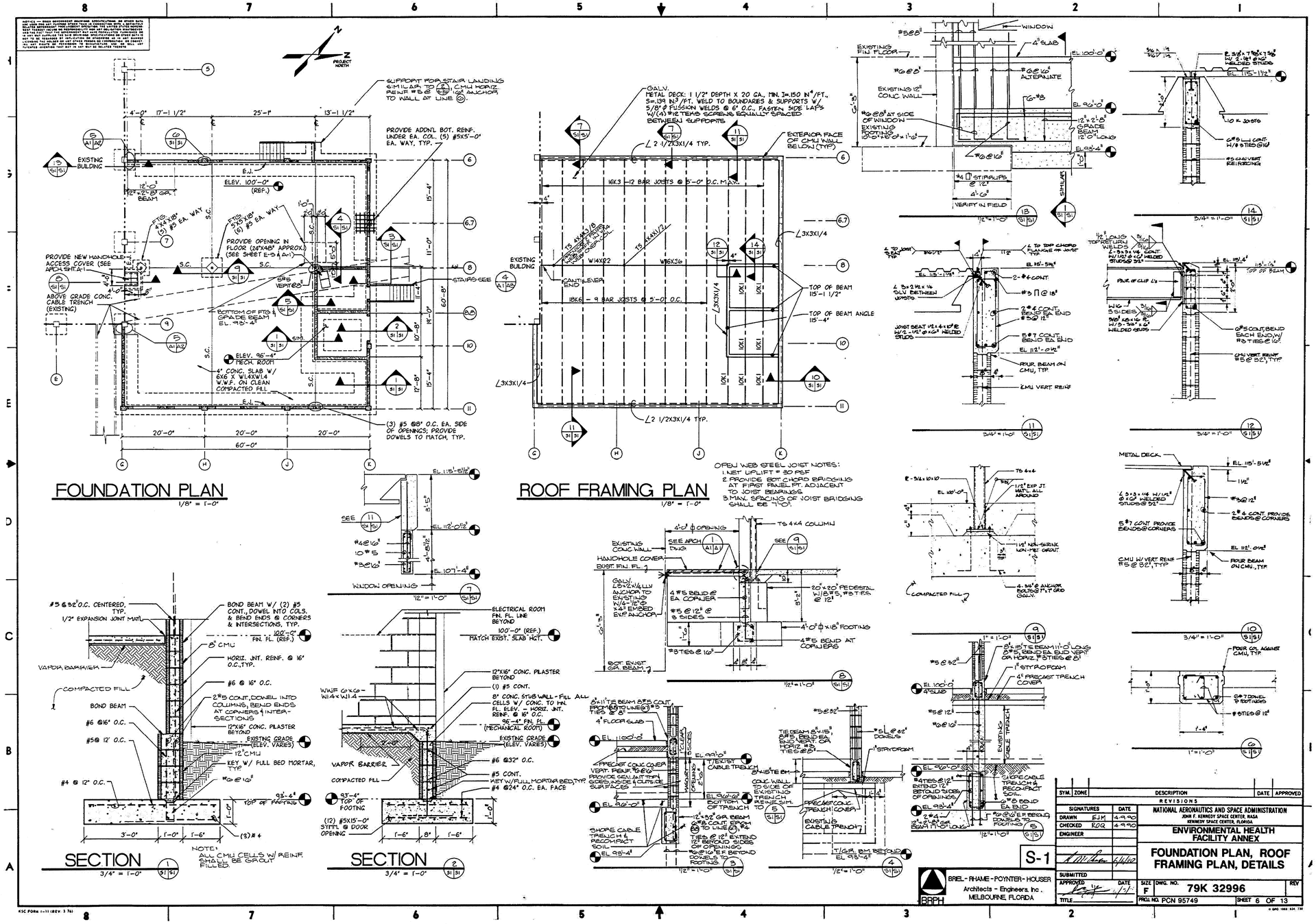

SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

SIGNATURES		DATE
DRAWN	EJM	4.9.90
CHECKED	RDQ	4.9.90
ENGINEER		
SUBMITTED		6/6/90
APPROVED		DATE
TITLE		

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ENVIRONMENTAL HEALTH FACILITY ANNEX

FOUNDATION PLAN, ROOF FRAMING PLAN, DETAILS

SIZE F | DWG. NO. 79K 32996 | REV

PROJ. NO. PCN 95749 | SHEET 6 OF 13

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SYM	ZONE	DESCRIPTION	DATE	APPROVED

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ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/15
I. OTERO	6.12.13

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557 AS-BUILTS

FILE NO. | SIZE F | DWG. NO. 79K39392 | REV

PROJ. NO. 97963.9 | SHEET 21

D14

KSC FORM 1-11 (3/76)(C/G 3/94)

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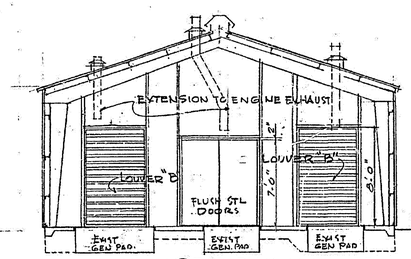

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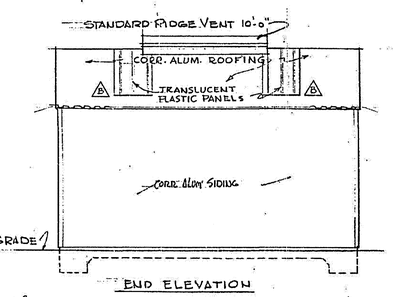
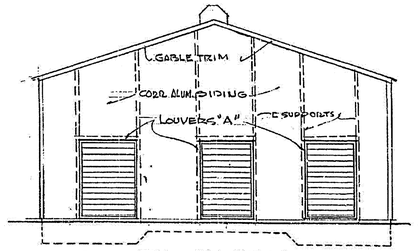
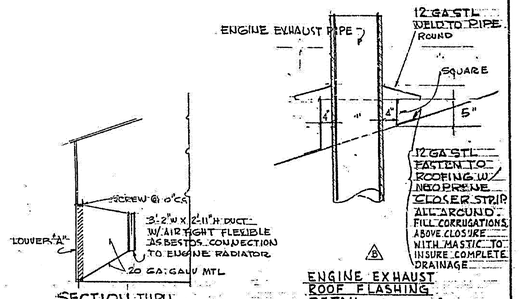


END ELEVATION

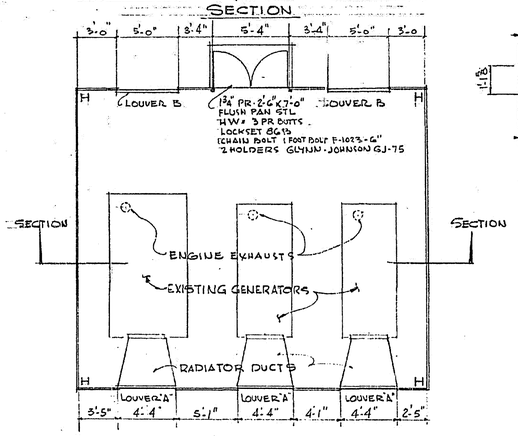


REAR ELEVATION

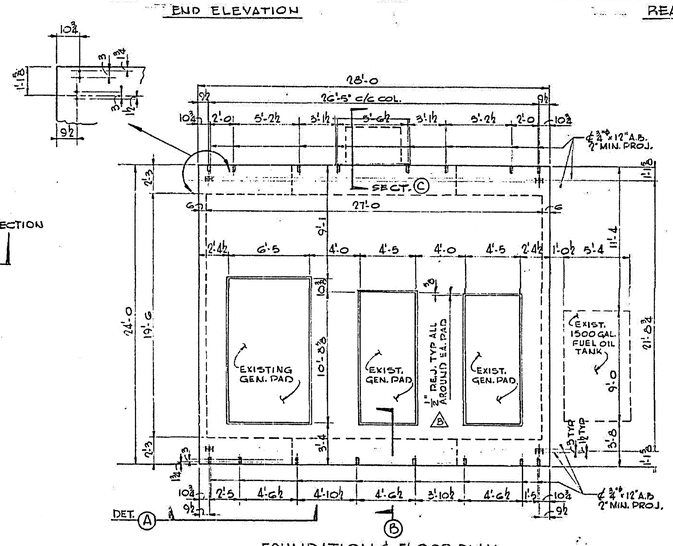


SECTION THRU DUCT SCALE 1/4"=1'-0"

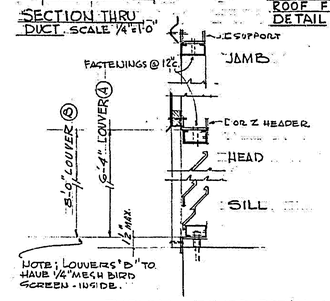
ENGINE EXHAUST ROOF FLASHING DETAIL - NOT TO SCALE



PLAN
SCALE 1/4" = 1'-0"



FOUNDATION & FLOOR PLAN
SCALE: 1/4" = 1'-0"



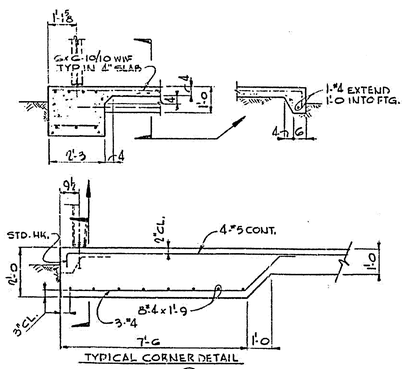
TYPICAL LOUVER DETAIL
SCALE 1½" = 1'-0"

GENERAL NOTES

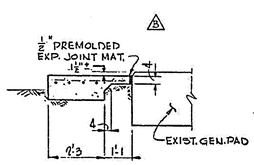
1. DESIGN IS BASED ON THE USE OF A PREFABRICATED BUILDING AS MANUFACTURED BY BUTLER MFG. CO.
2. ANCHOR BOLT LOCATIONS ARE SHOWN ONLY IN AREAS CONTROLLED BY OPENINGS & COLUMNS. ADDITIONAL ANCHOR BOLT DATA AS REQ'D FOR BASE ANGLES ETC. SHALL BE SHOWN ON SHOP DRAWINGS PROVIDED BY THE MANUFACTURER SUPPLYING PREFABRICATED BUILDING.
3. CARE SHALL BE EXERCISED DURING EXCAVATION TO PROTECT EXISTING GENERATORS, FUEL OIL TANK & TO AVOID DISTURBING FOUNDATION OF GENERATORS.
4. ALL SIDING, GIRTS & GIRTPOSTS ON NORTH WALL SHALL BE CONNECTED BY BOLTING.

DESIGN DATA

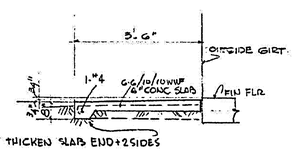
1. WIND LOAD - 35 PSF
2. LIVE LOAD - ROOF 20 PSF
3. DESIGN SOIL BEARING - 6000 PSF
4. CONCRETE - 3000 PSI @ 28 DAYS
5. REINF. STEEL - INTERMEDIATE GRADE BILLET STEEL A-15



TYPICAL CORNER DETAIL
DETAIL (A)
SCALE: 1/2" = 1'-0



SECTION (B)
SCALE: 1/2" = 1'-0



SECTION (C)
SCALE 1/2" = 1'-0"

GRAPHIC SCALES
1/4" = 1'-0" 5' 0 5'
1/2" = 1'-0" 12" 0 1' 2' 3' 4' 5'

SYM	ZONE	DESCRIPTION	DATE	APPROVED
B		AS BUILT* (AS PER RED LINE DWGS-GLENN W. ALLEN)	10/26/67	W.S.D.
A		REVISED FOR F.R.D. INDEX	7/6/67	HJM

REVISIONS

SIGNATURES	DATE
DRAWN T.O.	8/10/67
CHECKED R.A.	8/10/67
ENGINEER R.A.	8/10/67
Frederick J. Hecht	9/12/67
R.J. Cocco	9/12/67
SUBMITTED	
APPROVED	21 Aug 67

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, KENNEDY SPACE CENTER, FLORIDA

KSC INDUSTRIAL AREA
CENTRAL INSTRUMENTATION FACILITY
GENERATOR ENCLOSURE
ARCHITECTURAL — STRUCTURAL

SIZE F | DWG. NO. GT MK 658 | REV.
PROJ. NO. | SHEET 2 OF 3
TITLE

HKM 40863 B03.00.00.0ADA043.01

K5119-GG2047-19

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED

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KENNEDY SPACE CENTER, FLORIDA

CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557C AS-BUILTS

FILE NO. | SIZE F | DWG. NO. 79K39392 | REV
PROJ. NO. 97963.9 | SHEET 22

D15

FILE: \\ltusmd01\drafting\14000 Nasa\212-0_Design-Close-Demo-Var-Fac-FY13&14\Contract Drawings\Package 4\Civil\140002129P4-D15.dwg PRINTED: 6/10/2013 9:59 AM BY USER: Kristian Perez LAST MODIFIED: 1/7/2013 4:03 PM BY USER: dwilerkamp

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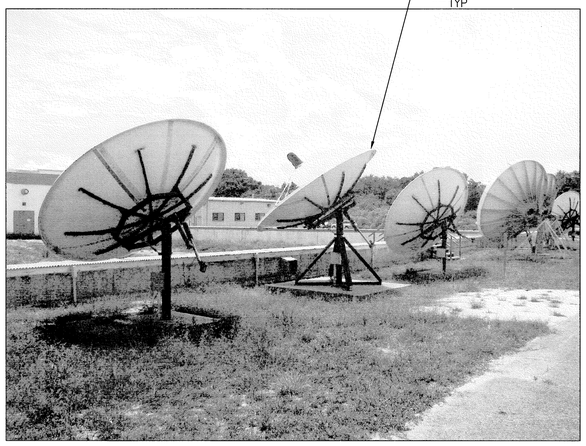
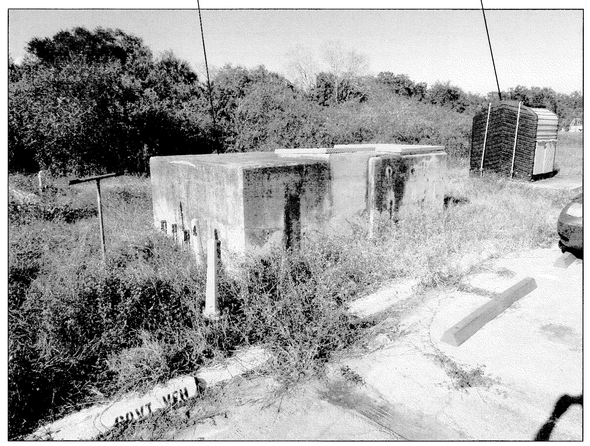
L7-1557 1
NTS D2

L7-1557 2
NTS D2

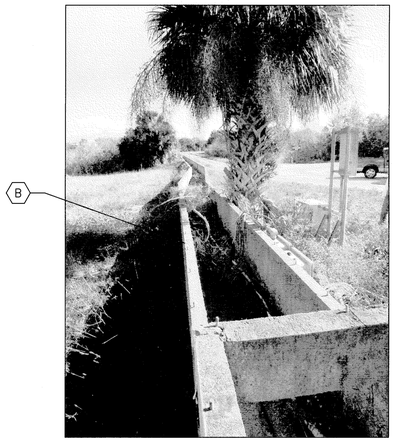
L7-1557 3
NTS D2



SATELLITE DISH ARRAY 4
NTS D2

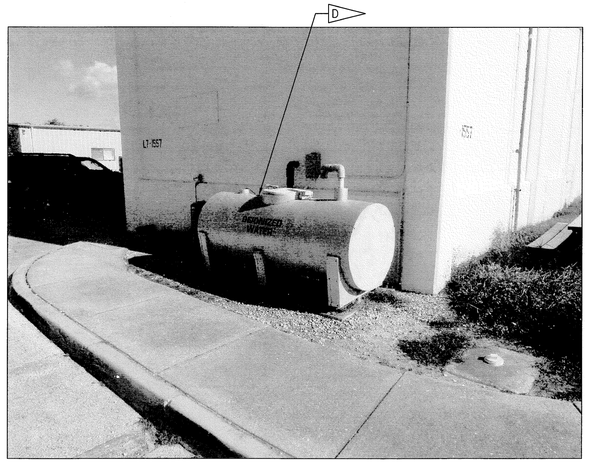


WET WELL AND SHED 5
NTS D2,D4

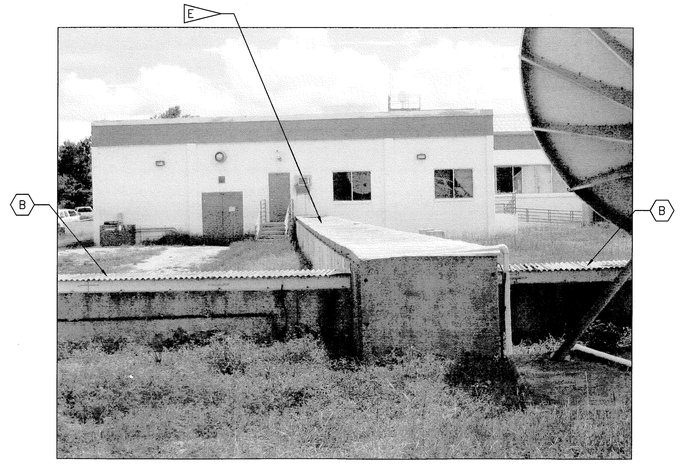


CONCRETE UTILITY TRENCH 6
NTS D2

ENTRANCE SIGN 7
NTS D16



DEIONIZED WATER TANK 8
NTS D2



CONCRETE UTILITY TRENCH 9
NTS D2

FLAG NOTES

- A — DEMOLISH ENVIRONMENTAL HEALTH BUILDING (L7-1557), FOUNDATION, CONCRETE SLABS, AND ASSOCIATED APPURTENANCES
- B — DEMOLISH SHED AND ASSOCIATED APPURTENANCES
- C — DEMOLISH HVAC EQUIPMENT, CONCRETE SLAB, BOLLARDS, AND ASSOCIATED APPURTENANCES
- D — DEMOLISH DEIONIZED WATER TANK
- E — DEMOLISH CONCRETE UTILITY TRENCH
- F — DEMOLISH SIGN, TYPICAL
- G — DEMOLISH WET WELL AND ASSOCIATED APPURTENANCES

TO REMAIN

- A — SATELLITE DISHES AND CONCRETE PADS
- B — CONCRETE UTILITY TRENCH

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

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SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
L. OTERO	6.12.13

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557 PHOTOS

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 23

D16

FILE: \\Jbumedi01\drafting\14000 Notes\212-01_Design-Close-Demo-Ver-Fac4-FY13&14\Contract Drawings\Package 4\Civil\14000212P4-D16.dwg PRINTED: 6/10/2013 9:59 AM, BY USER: Kristian Perez LAST MODIFIED: 4/25/2013 3:54 PM, BY USER: shafertcmp

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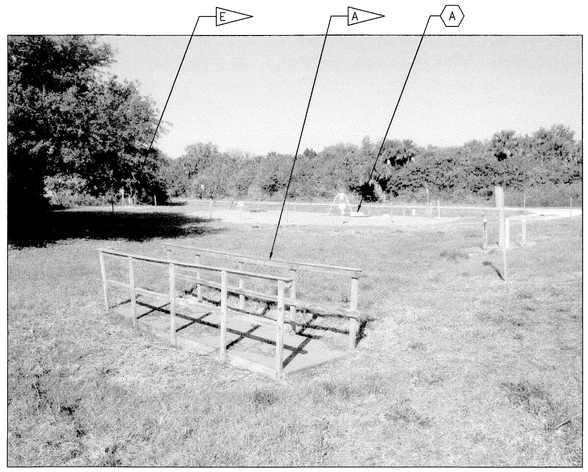
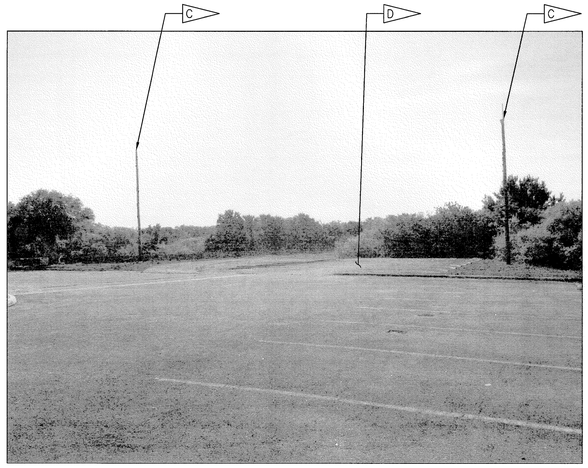


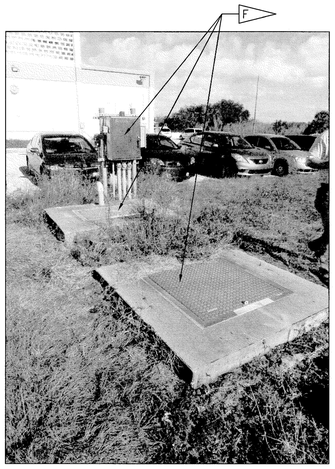
L7-1557 1 D2
NTS

L7-1557 2 D2
NTS

L7-1557 3 D2
NTS



L7-1557 4 D2
NTS



LIFT STATION LS-1T 5 D4
NTS

FLAG NOTES

A — DEMOLISH WOOD BRIDGE

B — DEMOLISH SIGN, TYPICAL

C — DEMOLISH WOOD UTILITY POLE AND ASSOCIATED APPURTENANCES

D — DEMOLISH GRAVEL LANDSCAPING, WHEEL STOPS, AND ASSOCIATED APPURTENANCES

E — DEMOLISH ELECTRICAL BOX, BOLLARDS, CONCRETE PAD, AND ASSOCIATED APPURTENANCES

F — DEMOLISH LIFT STATION LS-1T WET WELL, VALVE VAULT, PIPING, CONTROL PANEL, AND ASSOCIATED APPURTENANCES, AS DESCRIBED BELOW,

A. REMOVE AND DISPOSE OF ALL PIPING, EQUIPMENT, FLOATS, CABLES, AND RELATED EQUIPMENT IN THE WET WELL; ALL ABOVE AND BELOW GRADE POWER/CONTROL CABLES AND CONDUITS; CONTROL PANEL, CIRCUIT BREAKER BOX AND POWER POLE; ABOVE GRADE PIPING AND VALVES; THE UPPER SECTION (4 FOOT MINIMUM) OF THE WET WELL; AND CONCRETE SURFACES, PADS AND VALVE VAULT.

B. REMOVE AND DISPOSE OF ALL LIQUIDS AND SOLIDS IN EXISTING WET WELL. DISINFECT THE EXISTING WET WELL AND REMOVE AND DISPOSE OF DISINFECTANT. CUT FIVE 1 FT DIA HOLES IN WET WELL BASE TO ALLOW FOR PERCOLATION. FILL THE EXISTING WET WELL WITH SAND AND COMPACT TO 85% MODIFIED PROCTOR.

C. THE CONTRACTOR SHALL OBTAIN CERTIFICATION OF COMPLETION FROM THE FDEP.

TO REMAIN

A — WEATHER SENSORS, BOLLARDS, CONCRETE PADS, GRAVEL LANDSCAPING, AND ASSOCIATED APPURTENANCES

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDING L7-1557 PHOTOS

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	
PROJ. NO. 97963.9		SHEET 24	

D17

FILE: \\TITUSNOV1\drafting\14000 Nasa\212-01_Design-Close-Demo-Var-Facs-PY13&14\Contract Drawings\Package 4\Civil\14000212P4-D17.dwg PRINTED: 6/10/2013 9:59 AM, BY USER: Kristian Perez LAST MODIFIED: 4/25/2013 3:54 PM, BY USER: shafetcomp

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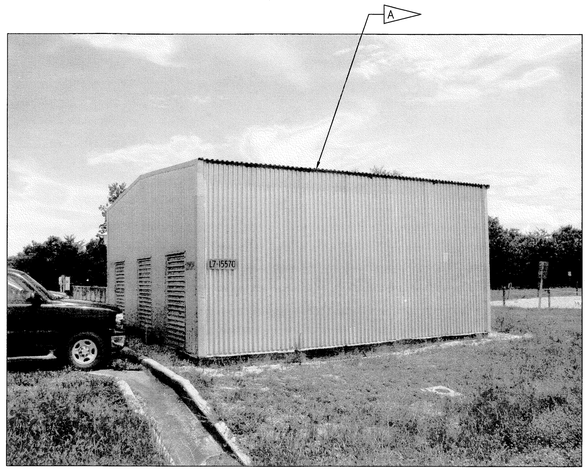
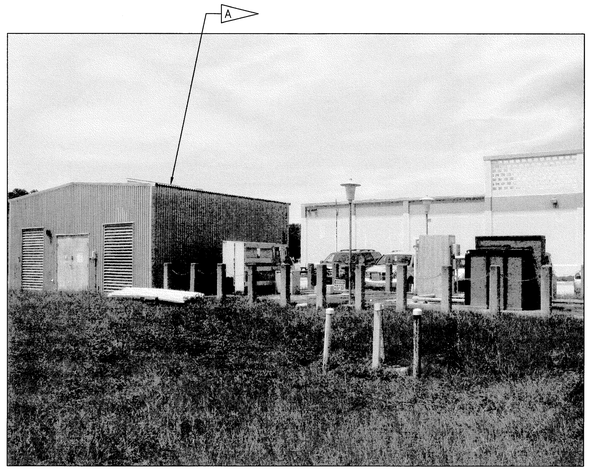


L7-1557C 1 D2
NTS



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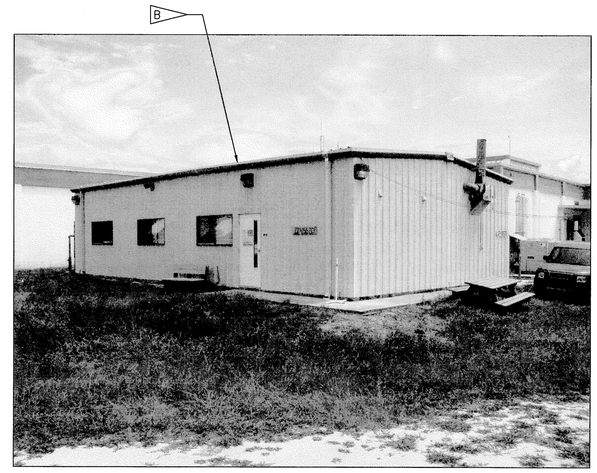
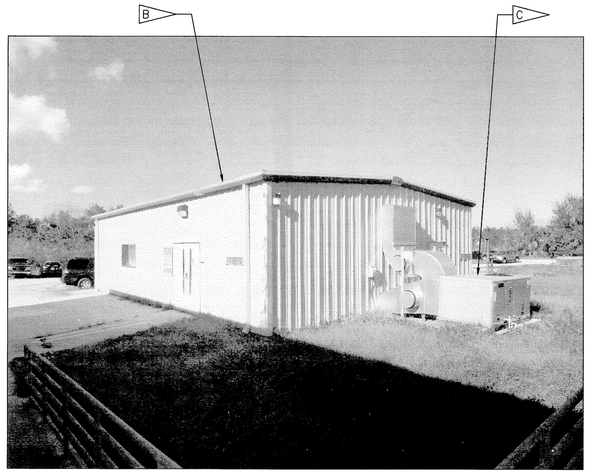


L7-1557D 3 D2
NTS



L7-1557D 4 D2
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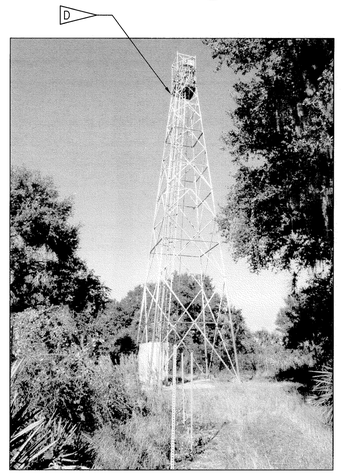
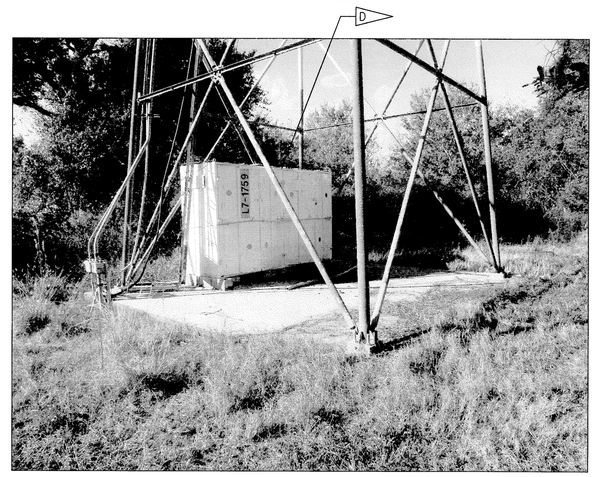


L7-1759 5 D5
NTS



L7-1759 6 D5
NTS

FLAG NOTES

- A — DEMOLISH STORAGE BUILDING (L7-1557C), FOUNDATION, CONCRETE SLABS, AND ASSOCIATED APPURTENANCES
- B — DEMOLISH ASBESTOS TESTING LAB (L7-1557D), FOUNDATION, CONCRETE SLABS, AND ASSOCIATED APPURTENANCES
- C — DEMOLISH HVAC EQUIPMENT, CONCRETE SLAB, BOLLARDS, AND ASSOCIATED APPURTENANCES
- D — DEMOLISH LIGHTNING DETECTION AND RANGING TOWER (L7-1759), FOUNDATION, CONCRETE SLABS, ANCHORS, AND ASSOCIATED APPURTENANCES

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

L7-1557C, L7-1557D & L7-1759 PHOTOS

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 25

D18

KSC FORM 1-11 (3/76)(C/G 3/94)

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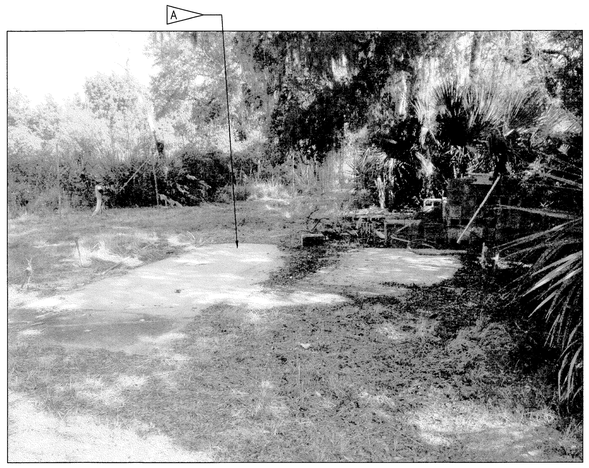

FORMER SITE OF L7-1759A & L7-1759B (1 / D5)
NTS

FORMER SITE OF L7-1759A & L7-1759B (2 / D5)
NTS

FLAG NOTE

A — DEMOLISH ANCHORS, FOUNDATIONS, CONCRETE SLABS, AND ASSOCIATED APPURTENANCES AT FORMER EQUIPMENT SHELTERS (L7-1759A & L7-1759B) SITE. CLEAR ASSOCIATED SCRAP METAL CONTAINERS ADJACENT TO FORMER SHELTERS SITE.

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDINGS L7-1759A & L7-1759B PHOTOS

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 26

D19

KSC FORM 1-11 (3/76)(C/G 3/94)

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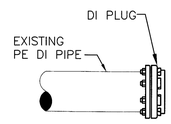
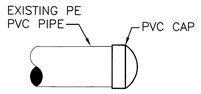
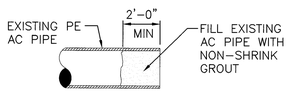


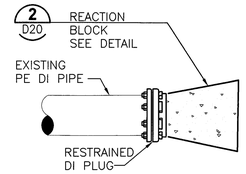
DI PIPE AIP



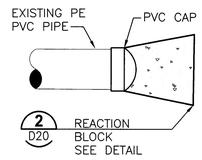
PVC PIPE AIP



AC PIPE AIP



DI PIPE IN SERVICE



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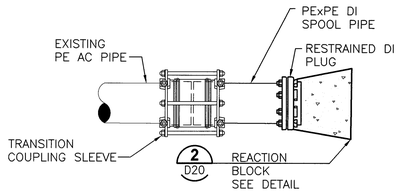
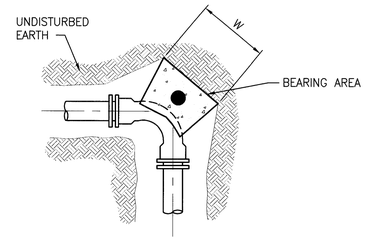
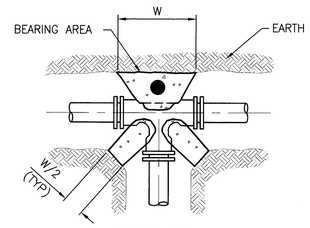


AC PIPE IN SERVICE

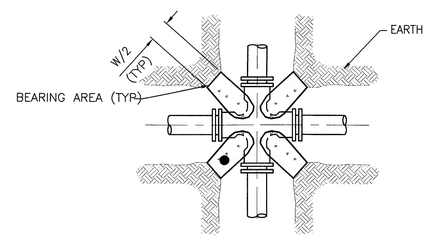
TYPICAL PIPE CAP DETAIL 1 / D4
NTS



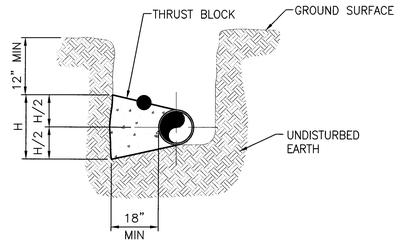
BENDS PLAN



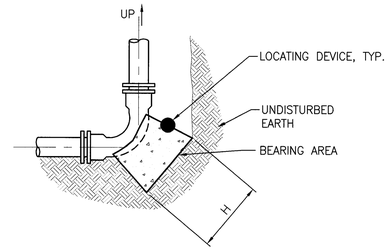
TEE PLAN



CROSS PLAN



ILLUSTRATIVE SECTION



BENDS IN SECTION

REACTION BLOCK BEARING AREA DIMENSIONS

FITTING	11 1/4" BEND	22 1/2" BEND	45" BEND	90" BEND	TEE/CROSS/ PLUGS/CAPS
SIZE (in)	H x W (in)	H x W (in)	H x W (in)	H x W (in)	H x W (in)
4	11x11	15x15	20x20	28x28	23x23
6	15x15	21x21	29x29	40x40	33x33
8	20x20	27x27	38x38	52x52	44x44
10	24x24	33x33	47x47	63x63	53x53
12	28x28	40x40	55x55	75x75	63x63
14	33x33	46x46	64x64	87x87	73x73
16	37x37	52x52	73x73	99x99	83x83
18	42x42	58x58	82x82	111x111	93x93
24	55x55	77x77	108x108	146x146	123x123

REACTION BLOCK NOTES

A. BASED ON 150 PSI PRESSURE & 1500 PSF SOIL BEARING VALUE, 2.0 SAFETY FACTOR, WATER TABLE BELOW THE THRUST BLOCK, VERTICAL BLOCK FACE, AND A MINIMUM THICKNESS OF 18 INCHES.

B. BEARING AREAS FOR PLUGS SHALL BE THE SAME AS FOR TEES.

C. FORM REACTION BLOCKS TO KEEP CONCRETE CLEAR OF JOINTS AND BOLTS.

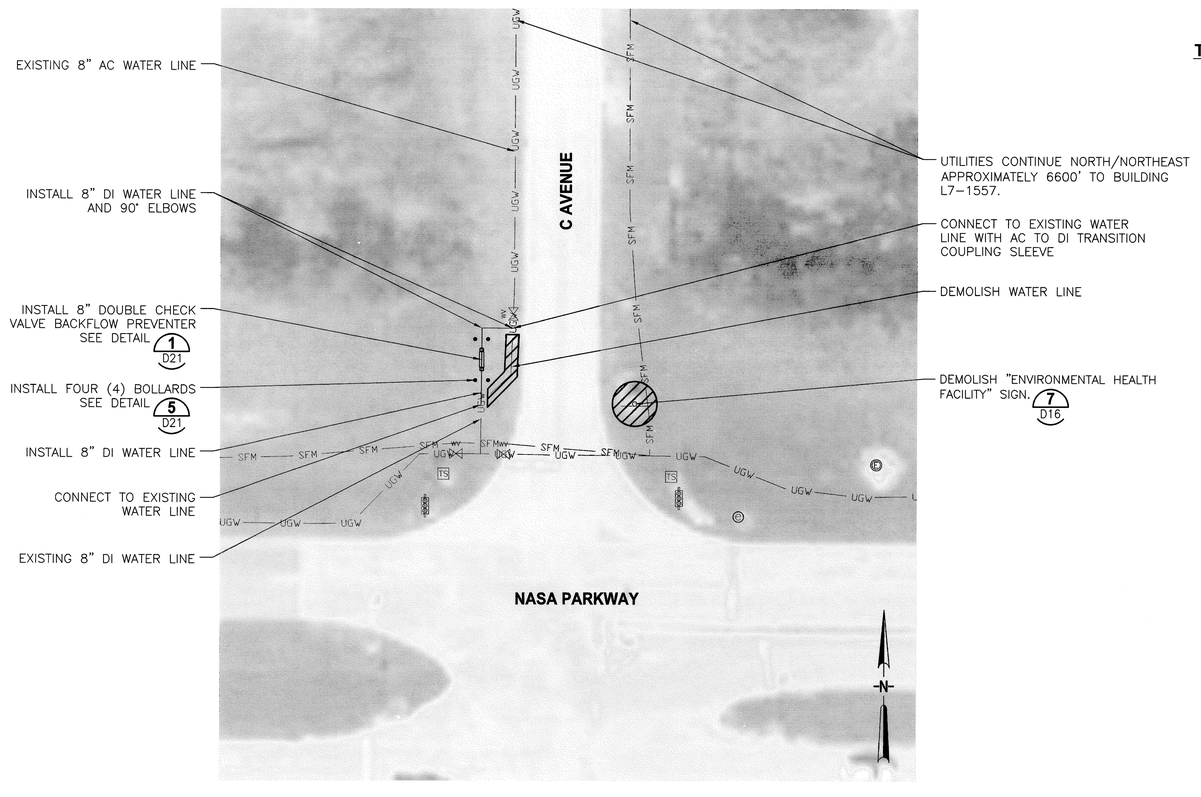
D. REQUIRED REACTION BLOCK BEARING AREA SHALL BE PLACED AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE ALL LOOSE MATERIAL AND EXTEND REACTION BLOCK TO UNDISTURBED MATERIAL.

E. PLACE PRESSURE TREATED WOOD BOARDS IN FRONT OF PLUG, AT TEE, CROSS OR END OF PIPE BEFORE POURING CONCRETE REACTION BLOCK.

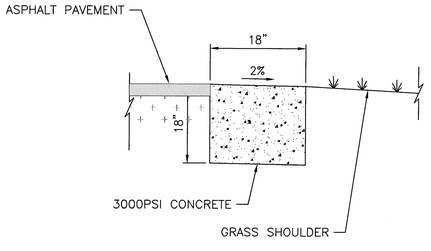
F. BACKFILL SHALL CONSIST ENTIRELY OF CLEAN SAND AND ROCK FRAGMENTS. ANY MUCK ENCOUNTERED SHALL BE REPLACED WITH BACKFILL COMPACTED TO 95% MODIFIED PROCTOR MAXIMUM DRY DENSITY, ASTM D1557.

G. CONTRACTOR TO OBTAIN LOCATING DEVICES AND TO EMBED THE DEVICE INTO THE TOP SURFACE ON THE THRUST BLOCK SUCH THAT HALF THE DEVICE IS EXPOSED AND THE LOCATION IS AT THE CENTROID OF THE THRUST BLOCK TOP SURFACE AREA. THE LOCATING DEVICES SHALL BE OMNI MARKER MODEL 161 WATER MARKER OR APPROVED EQUAL.

TYPICAL REACTION BLOCK (THRUST BLOCK) DETAILS 2 / D20
NTS



C AVENUE WATER MAIN PLAN 3 / D4,D21
1"=20'



RIBBON CURB DETAIL 4 / D3
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CHECKED K. RIVERA	06/10/13
SUBMITTED J. BELL	06/10/13
ST of LICENSURE: FL LICENSE NO: 69033	06/10/13
APPROVED D. TOTH	6/10/13
L. OTERO	6.12.13

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

DETAILS

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	
PROJ. NO. 97963.9		SHEET 27	

D20

KSC FORM 1-11 (3/76)(C/G 3/94)

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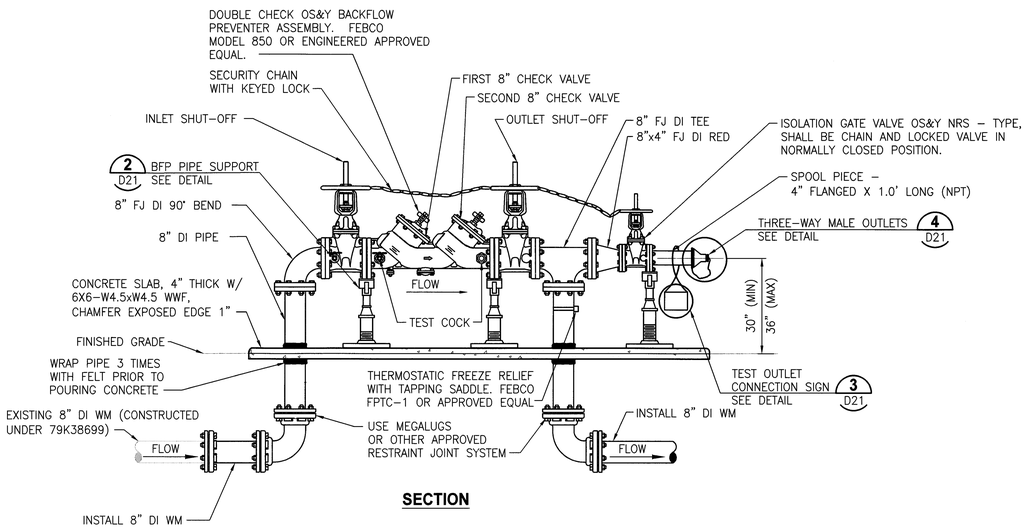
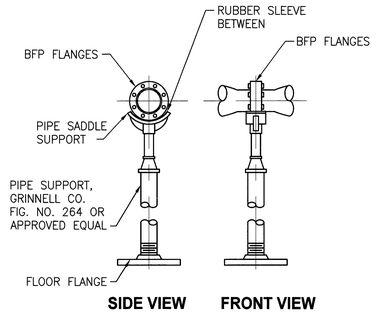


SECTION

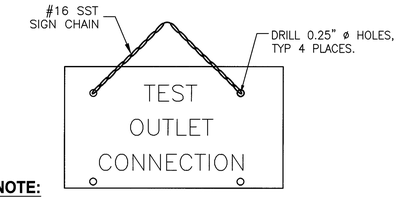
NOTES:

1. DEVICE TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

8" DOUBLE CHECK VALVE BACKFLOW PREVENTER ASSEMBLY DETAIL 1 D20
NTS



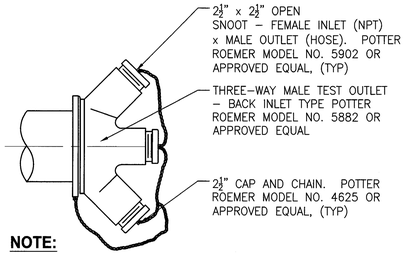
BFP PIPE SUPPORT DETAIL 2 D21
NTS



NOTE:

IDENTIFICATION PLATE – 4" x 8" BRASS PLATE, STAMPED WITH 3/8" LETTERING.

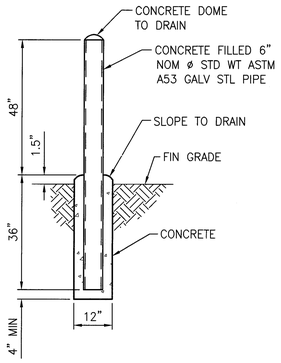
TEST OUTLET CONNECTION SIGN DETAIL 3 D21
NTS



NOTE:

THIS CONNECTION (2½" HOSE THREAD) SHALL BE USED TO ATTACH FIRE HOSE WITH AN APPROVED HOSE TESTING DEVICE SUCH AS HOSE MONSTER OR ENGINEERED APPROVED EQUAL.

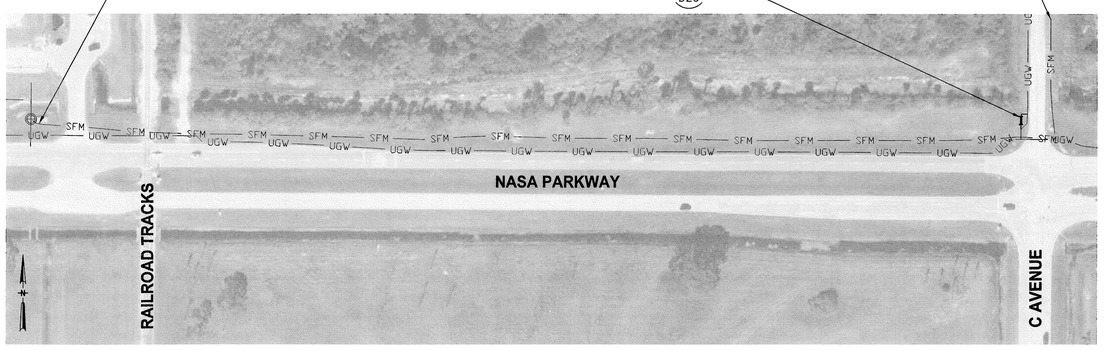
THREE-WAY MALE OUTLETS DETAIL 4 D21
NTS



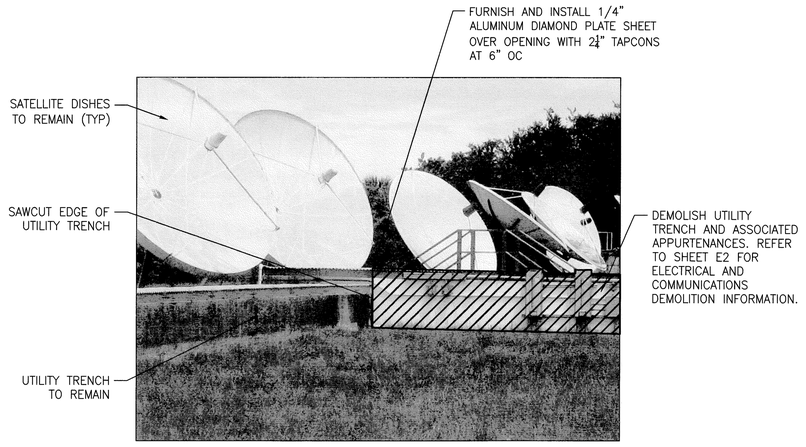
NOTES:

1. PAINT ALL GALVANIZED PIPING MATERIALS AS FOLLOWS:
2. 2.1 MILS DFT OF GALVANIZING METAL PRIMER, PORTER PAINTS 290 (1 COAT) OR ENGINEER APPROVED EQUIVALENT.
3. 2.8 MILS DFT OF ACRYLIC GLOSS, PORTER PAINTS 619 SERIES (2 COATS) OR ENGINEER APPROVED EQUIVALENT. EACH COAT SHALL HAVE A MINIMUM OF 1.4 MILS DFT. COLOR SHALL BE SAFETY YELLOW.

BOLLARD DETAIL 5 D20
NTS



L7-1557 SEWER FORCEMAIN ABANDONMENT PLAN 6 D4
1"=100'



UTILITY TRENCH DEMOLITION DETAIL 7 D2
NTS

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I. OTERO	6.12.13

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

DETAILS

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 28

D21

KSC FORM 1-11 (3/76)(C/G 3/94)

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ELECTRICAL NOTES

1. UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY PHYSICAL LOCATIONS OF ALL EQUIPMENT TO BE DEMOLISHED.
2. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION ACTIVITIES AND UTILITY DISCONNECTS AND OUTAGES WITH THE CONTRACTING OFFICER PRIOR TO COMMENCING DEMOLITION.
3. CONTRACTOR SHALL LOCK–OUT/TAG–OUT ALL ELECTRICAL EQUIPMENT AND SYSTEMS PRIOR TO DEMOLITION ACTIVITIES, INCLUDING HVAC CONTROLS AND EQUIPMENT.
4. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRIC CODE, NEC.
5. UNLESS OTHERWISE NOTED, ALL DEMOLISHED UNDERGROUND CONDUIT SHALL BE CUT AND CAPPED 18" BELOW FINISHED GRADE. CONDUCTORS SHALL BE REMOVED TO THEIR SOURCE. DIRECT BURY CONDUCTORS AND ALL COMMUNICATION CABLING SHALL BE CUT 18" BELOW FINISHED GRADE AND ABANDONED. IF FOUNDATION IS TO REMAIN, DEMOLISH CONDUIT AND CONDUCTORS TO A DISTANCE OF 5' MIN BEYOND THE LIMITS OF THE FOUNDATION. NO DUCT BANKS OR POWER/COMM MANHOLES SHALL BE DEMOLISHED.
6. NOTE THAT IDENTIFIED CIRCUITS, FEEDER LOCATIONS AND SOURCE PANEL INFORMATION IS BASED UPON THE BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN. THE CONTRACTOR SHALL FIELD CONFIRM INFORMATION SHOWN AND NOTIFY THE COR OF ANY CHANGED CONDITIONS.
7. WHEN LOAD SIDE FEEDERS ARE DEMOLISHED FROM SOURCE, CREATE AND PROVIDE UPDATED IDENTIFYING LABLING AS REQUIRED BY THE NEC SHOWING REMAINING AND SPARE CIRCUITS.
8. SITE PHOTOGRAPHS SHOWN DEPICT FIELD CONDITIONS AT THE TIME OF DESIGN. CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO START OF WORK AND NOTIFY THE COR OF ANY CHANGED CONDITIONS.

ABBREVIATIONS

A	AMPERE, AUTOMATIC
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AMP	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC AUX AUXILIARY
AWG	AMERICAN WIRE GAGE
BC	BARE COPPER
BFG	BELOW FINISHED GRADE
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT, CONTACTOR, CONDUCTOR, CLOSE
CB	CIRCUIT BREAKER
CFWE	CABLE FURNISHED WITH EQUIPMENT
CKT	CIRCUIT
CO	CONTRACTING OFFICER
CPT	CONTROL POWER TRANSFORMER
CRE	CORROSION RESISTANT
CT	CURRENT TRANSFORMER, CABLE TRAY
DC	DIRECT CURRENT
DIV	DIVISION
DS	DISCONNECT SWITCH
EP	EXPLOSION–PROOF
FDR	FEEDER
F,FU	FUSE
FLEX	FLEXIBLE CONDUIT
FO	FIBER OPTIC
FREQ	FREQUENCY
FVNR	FULL VOLTAGE NON–REVERSING
FVR	FULL VOLTAGE REVERSING
G	GROUND
GALV	GALVANIZED
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HOA	HAND OFF AUTOMATIC
HW	HARDWIRED
IC	INTERRUPTING CAPACITY
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
I&C	INSTRUMENTATION AND CONTROL
J,JB	JUNCTION BOX
K	KEY INTERLOCK
KA	KILOAMPERES
KCCS	KENNEDY COMPLEX CONTROL SYSTEM
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATTS
KWH	KILOWATT HOUR
L	LIGHTING CONTACTOR, LOW SPEED, LOWER
LB	POUND
LT	LIQUID–TIGHT
FLEX	FLEX CONDUIT
M	MAGNETIC CONTACTOR COIL, MOTOR, MANUAL
MCC	MOTOR CONTROL CENTER
MH	MANHOLE, METAL HALIDE, MOUNTING HEIGHT
MO	MOTOR OPERATOR
MS	MOTOR STARTER
MSC	MISCELLANEOUS
MT,MTD	MOUNT, MOUNTED
MV	MEDIUM VOLTAGE
N	NEUTRAL, NORMAL
NA	NON–AUTOMATIC
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O–O	ON–OFF
OOR	ON OFF REMOTE
PB	PULL BOX
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
RCPT	RECEPTACLE
RF	RADIO FREQUENCY
RGS	RIGID GALVANIZED STEEL
RMS	ROOT MEAN SQUARE
RTU	REMOTE TERMINAL UNIT
RVAT	REDUCED VOLTAGE AUTOTRANSFORMER
RVNR	REDUCED VOLTAGE NON REVERSING
RVR	REDUCED VOLTAGE REVERSING
SA	SURGE ARRESTER
SPD	SURGE PROTECTIVE DEVICE
SS	STAINLESS STEEL
SSRV	SOLID STATE REDUCED VOLTAGE
ST	SHUNT TRIP
SV	SOLENOID VALVE
SW	SWITCH
TEL	TELEPHONE
TEMP	TEMPERATURE
TJB	TERMINAL JUNCTION BOX
TSP	TWISTED SHIELDED PAIR
UGE	UNDERGROUND ELECTRIC
UGT	UNDERGROUND TELEPHONE
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTAGE, VOLTS
VFD	VARIABLE FREQUENCY DRIVE
V–B	VFD BYPASS
W	WATT
WP	WEATHERPROOF
WWF	WELDED WIRE FABRIC
W/	WITH
XFMR	TRANSFORMER
□	PHASE

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I. OTERO	6.12.13

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

GENERAL ELECTRICAL NOTES

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	
PROJ. NO. 97963.9		SHEET 29	

E1

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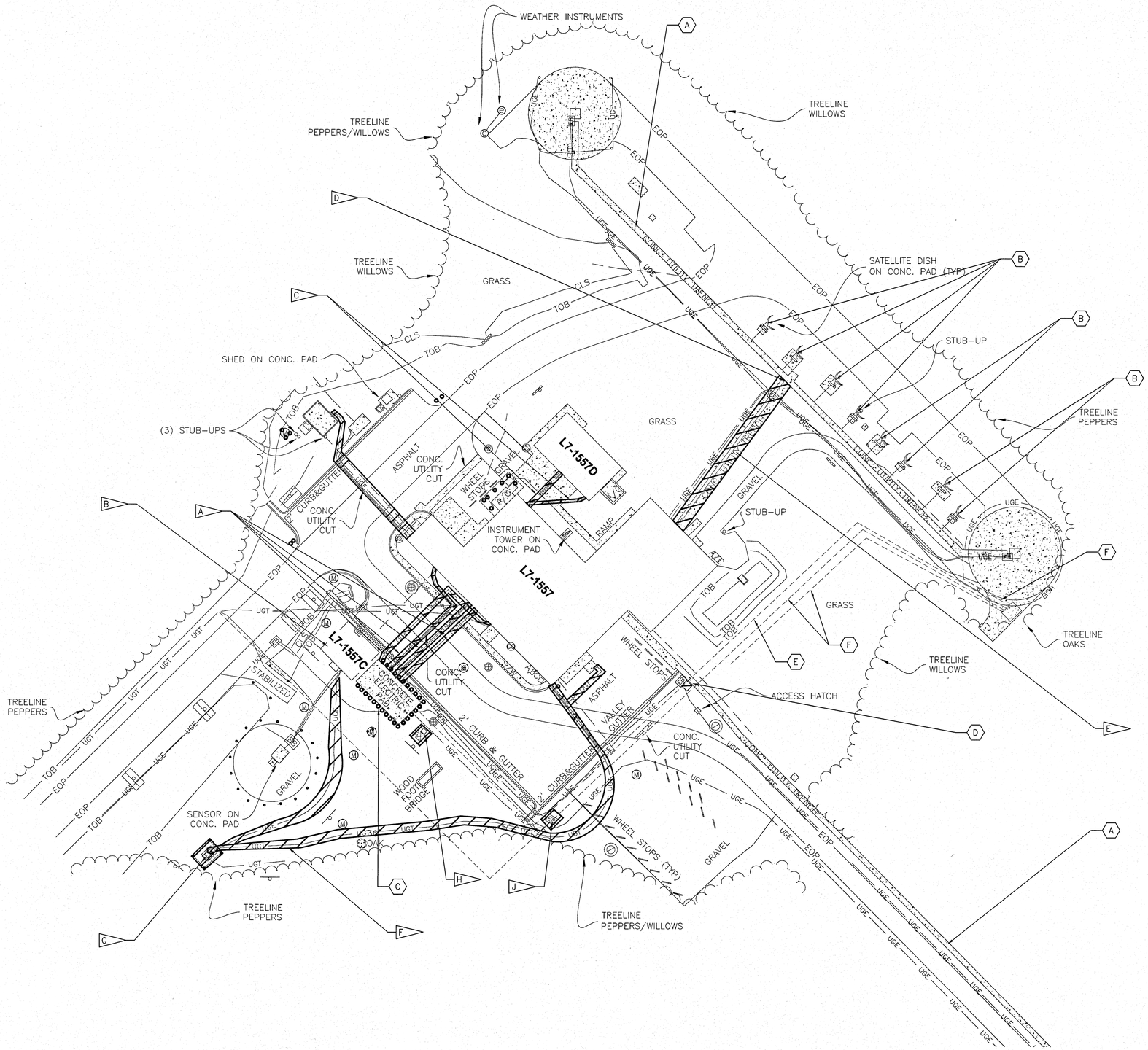

ELECTRICAL SITE PLAN BUILDINGS L7-1557, L7-1557C & L7-1557D

1"=30'

FLAG NOTES

A. DEMOLISH ALL ELECTRICAL EQUIPMENT AT ENVIRONMENTAL HEALTH BUILDING (L7-1557) INCLUDING BUT NOT LIMITED TO ALL CONDUITS AND CONDUCTORS. L7-1557 IS BEING FED FROM SUBSTATION USS B. DEMOLISH CIRCUITS FROM L7-1557 TO EACH RESPECTIVE SUBSTATION. SEE SHEET E4 FOR ELECTRICAL ONE-LINES. ELECTRICAL FEEDERS FROM L7-1557 TO EQUIPMENT THAT IS TO REMAIN SHALL BE DISCONNECTED AND RE-FED TO AN ALTERNATIVE POWER SOURCE BY OTHERS.

B. DEMOLISH ALL ELECTRICAL EQUIPMENT AT STORAGE BUILDING (L7-1557C) INCLUDING BUT NOT LIMITED TO ALL CONDUITS AND CONDUCTORS. L7-1557C IS BEING FED FROM L7-1557.

C. DEMOLISH ALL ELECTRICAL EQUIPMENT AT ASBESTOS TESTING LAB (L7-1557D) INCLUDING BUT NOT LIMITED TO ALL CONDUITS AND CONDUCTORS. L7-1557D IS BEING FED FROM L7-1557.

D. POWER CONDUCTORS FOR THE SATELLITE DISHES FROM THE APPROPRIATE PANELS LOCATED INSIDE OF BLDG L7-1557 SHALL BE RE-FED BY OTHERS.

E. DEMOLISH CONCRETE UTILITY TRENCH INCLUDING ALL CONDUCTORS.

F. DEMOLISH ALL COMMUNICATION CIRCUITS TO COMMUNICATION PULLBOX. DISCONNECTION TO BE PERFORMED BY OTHERS.

G. DEMOLISH ELECTRICAL AND COMMUNICATION EQUIPMENT INCLUDING BUT NOT LIMITED TO ALL CONDUITS AND CONDUCTORS.

H. DEMOLISH ELECTRICAL EQUIPMENT AT LIFT STATION LS-1T INCLUDING BUT NOT LIMITED TO ALL CONDUIT AND CONDUCTORS. SEE SHEET D4. (6/E5)

J. DEMOLISH ELECTRICAL EQUIPMENT RACK INCLUDING BUT NOT LIMITED TO ALL CONDUITS AND CONDUCTORS (2/E5)

TO REMAIN

A. CONCRETE UTILITY TRENCH (3/E5)

B. SATELLITE DISHES AND CONCRETE PADS

C. ELECTRICAL EQUIPMENT AT SUBSTATION PAD INCLUDING USS 199, DISTRIBUTION PANEL, TRANSFORMER, ETC (1/E5)

D. ELECTRICAL SERVICE RACK AND JUNCTION BOXES (4/E5) (5/E5)

E. UNDERGROUND ELEC LINES

F. UNDERGROUND COMMUNICATION LINES

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4
ELECTRICAL SITE PLAN BUILDINGS L7-1557, L7-1557C & L7-1557D

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	
PROJ. NO. 97963.9		SHEET 30	

GRAPHIC SCALE
0 15 30 60
SCALE IN FEET
1"=30'

-N-

E2

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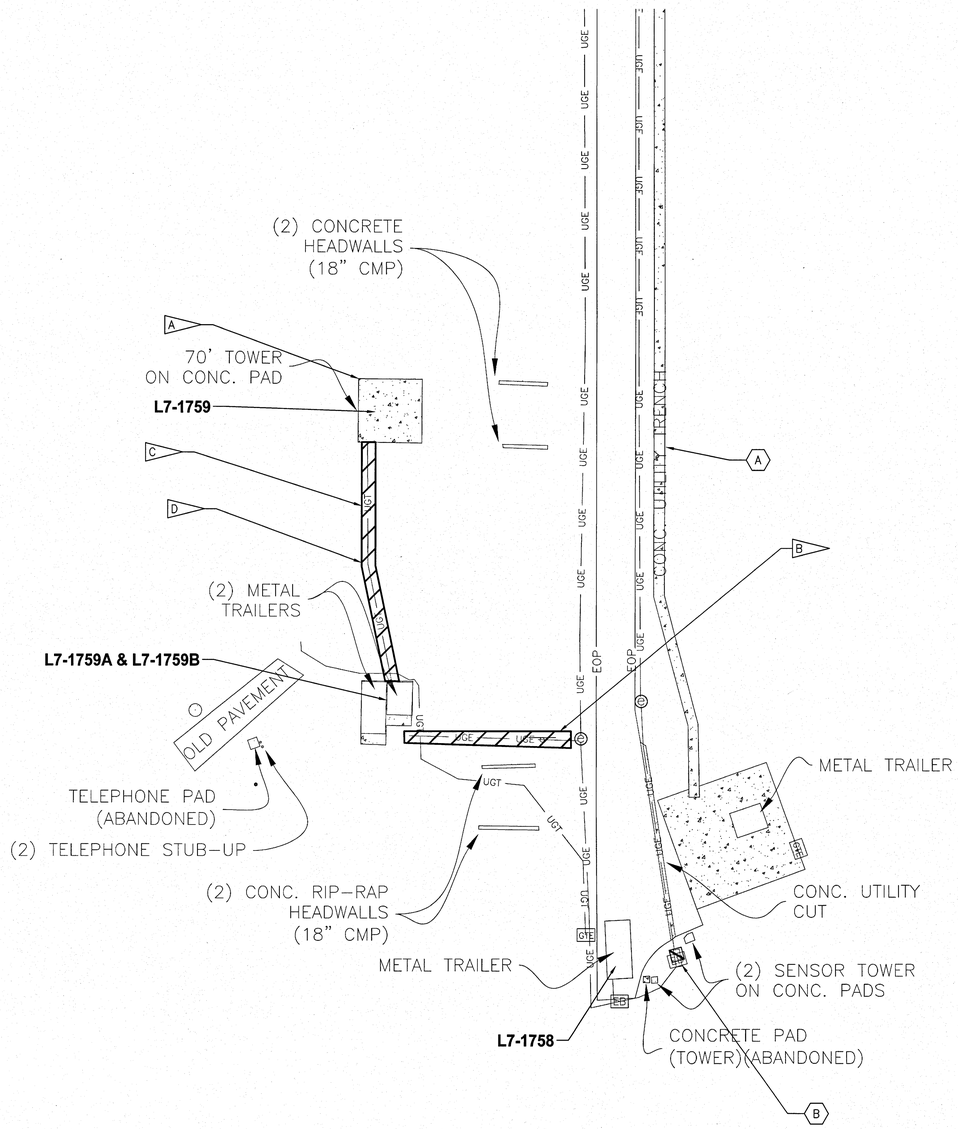

FLAG NOTES

A — DEMOLISH ALL ELECTRICAL EQUIPMENT AT LIGHTNING DETECTION AND RANGING TOWER (L7-1759), INCLUDING BUT NOT LIMITED TO ALL CONDUCTORS AND CONDUIT. (1/E6)

B — DEMOLISH ALL ELECTRICAL EQUIPMENT AT EQUIPMENT SHELTERS (L7-1759A & L7-1759B), INCLUDING BUT NOT LIMITED TO ALL CONDUCTORS AND CONDUIT. (2/E6) (3/E6)

C — DEMOLISH GENERATOR RECEPTACLE INCLUDING BUT NOT LIMITED TO ALL CONDUCTORS AND CONDUIT TO SOURCE. (5/E6)

D — DEMOLISH ALL COMMUNICATION CIRCUITS. DISCONNECTION TO BE PERFORMED BY OTHERS.

TO REMAIN

A — CONCRETE UTILITY TRENCH (4/E6)

B — TRANSFORMER AND CONTROL PANEL (6/E6)

ELECTRICAL SITE PLAN L7-1759, L7-1759A & L7-1759B

1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

-N-

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

ELECTRICAL SITE PLAN
L7-1759, L7-1759A & L7-1759B

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 31

E3

KSC FORM 1-11 (3/76)(C/G 3/94)

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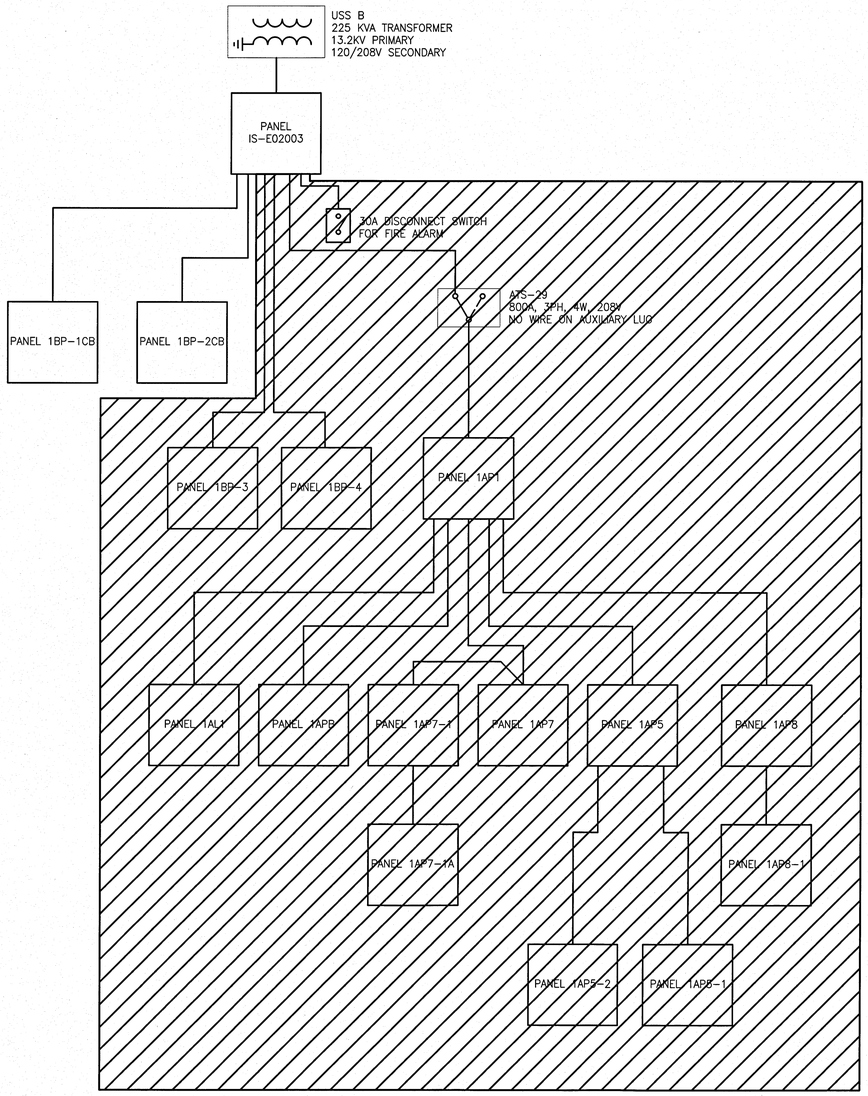

ELECTRICAL ONE-LINES BUILDINGS L7-1557, L7-1557C & L7-1557D

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SUBMITTED M. CLARK	06/10/13
ST of LICENSURE: FL LICENSE NO: 48898	06/10/13
APPROVED D. TOTH	6/10/13
I. OTERO	6.12.13

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4
ELECTRICAL ONE-LINES BUILDINGS L7-1557, L7-1557C & L7-1557D

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 32

E4

FILE: \\tituswd01\drafting\14000 Nasa\212-01_Design-Close-Demo-Var-Facs-FY13&14\Contract Drawings\Package 4\Electrical\14000212P4-E04.dwg PRINTED: 6/10/2013 10:03 AM, BY USER: Kristian Perez LAST MODIFIED: 6/7/2013 11:54 AM, BY USER: LMiller

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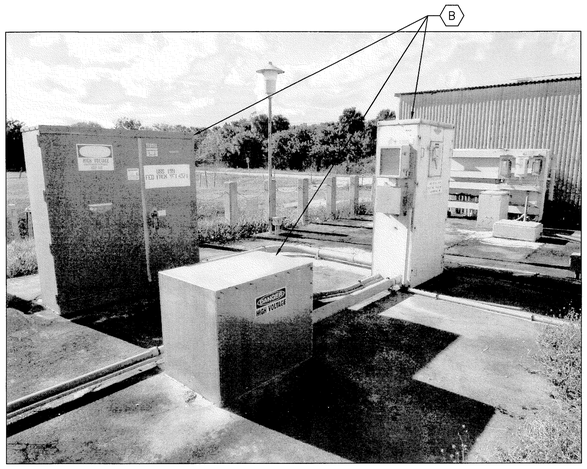
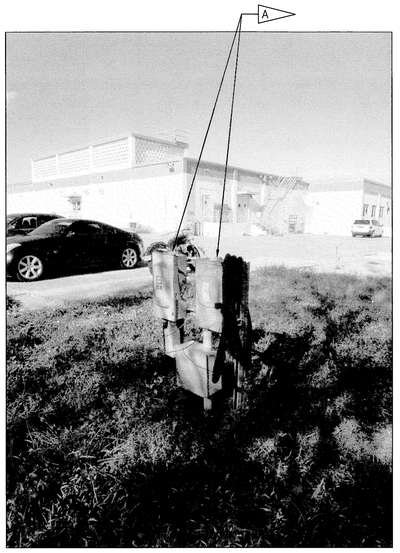
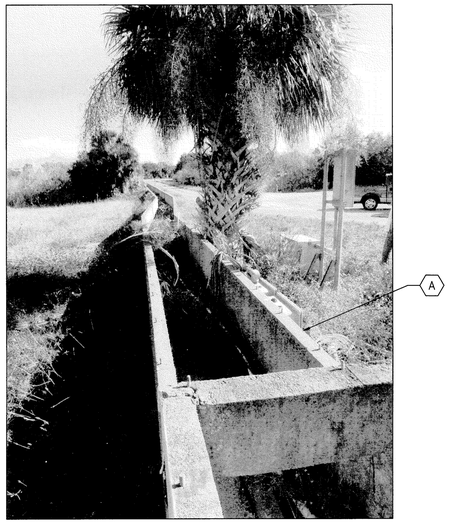


ELECTRICAL SERVICE PAD INCLUDING SOURCE SUBSTATIONS 1 E2
NTS



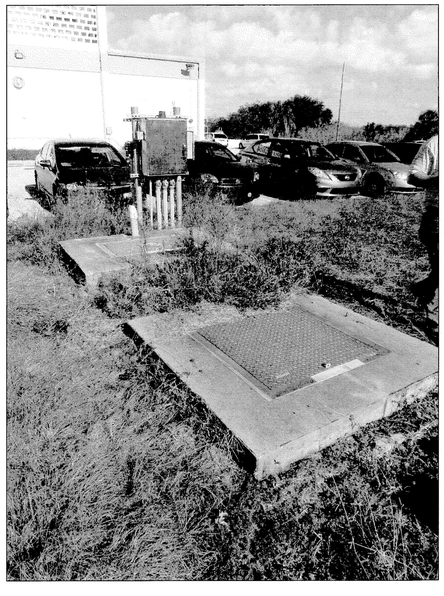
DISCONNECT SWITCHES TO BE DEMOLISHED 2 E2
NTS



CONCRETE UTILITY TRENCH TO REMAIN 3 E2
NTS

ELECTRICAL SERVICE RACK TO REMAIN 4 E2
NTS

ELECTRICAL JUNCTION BOXES TO REMAIN 5 E2
NTS



LIFT STATION CONTROL PANEL TO BE DEMOLISHED 6 E2
NTS

FLAG NOTES

A — DEMOLISH ELECTRICAL EQUIPMENT RACK INCLUDING BUT NOT LIMITED TO ALL CONDUITS AND CONDUCTORS.

TO REMAIN

A — CONCRETE UTILITY TRENCH, TYP

B — ELECTRICAL EQUIPMENT AT SUBSTATION PAD INCLUDING USS 199, DISTRIBUTION PANEL, TRANSFORMER, ETC

C — ELECTRICAL SERVICE RACK AND JUNCTION BOXES

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

BUILDINGS L7-1557, L7-1557C & L7-1557D PHOTOS

FILE NO.	SIZE	DWG. NO.	REV
	F	79K39392	

PROJ. NO. 97963.9 SHEET 33

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FLAG NOTES

A — THE CONTRACTOR SHALL DEMOLISH ALL ELECTRICAL EQUIPMENT AT LIGHTNING DETECTION AND RANGING TOWER (L7–1759), INCLUDING BUT NOT LIMITED TO ALL CONDUCTORS AND CONDUIT.

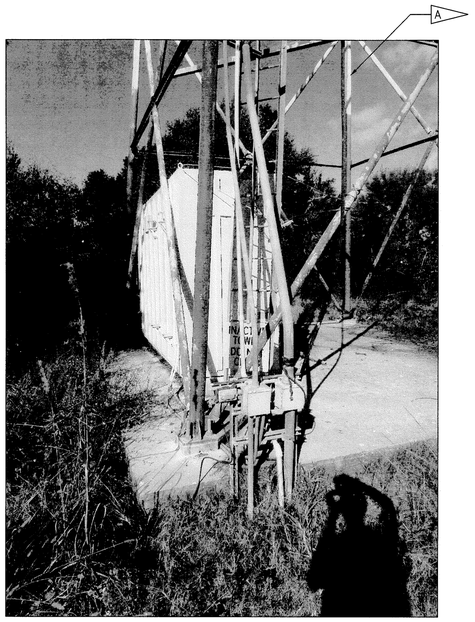
B — THE CONTRACTOR SHALL DEMOLISH ALL ELECTRICAL EQUIPMENT AT EQUIPMENT SHELTERS (L7–1759A & L7–1759B), INCLUDING BUT NOT LIMITED TO ALL CONDUCTORS AND CONDUIT.

C — DEMOLISH GENERATOR RECEPTACLE INCLUDING BUT NOT LIMITED TO ALL CONDUCTORS AND CONDUIT TO SOURCE

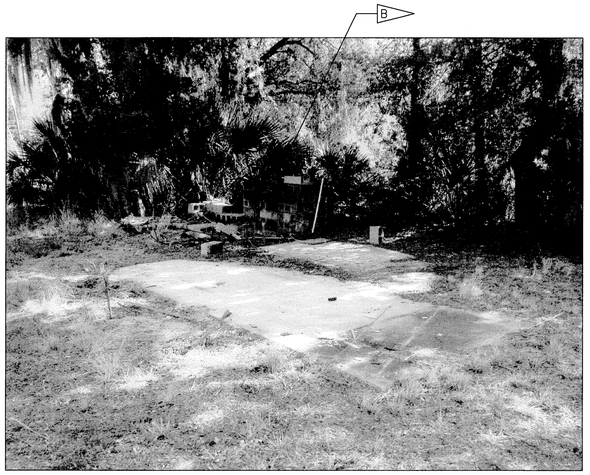
TO REMAIN

A — CONCRETE UTILITY TRENCH

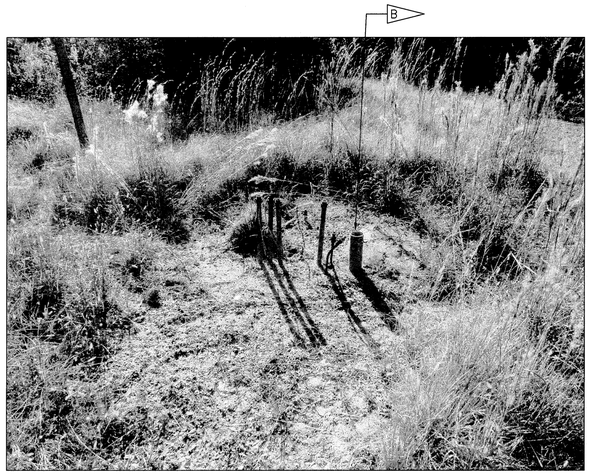
B — TRANSFORMER AND CONTROL PANEL



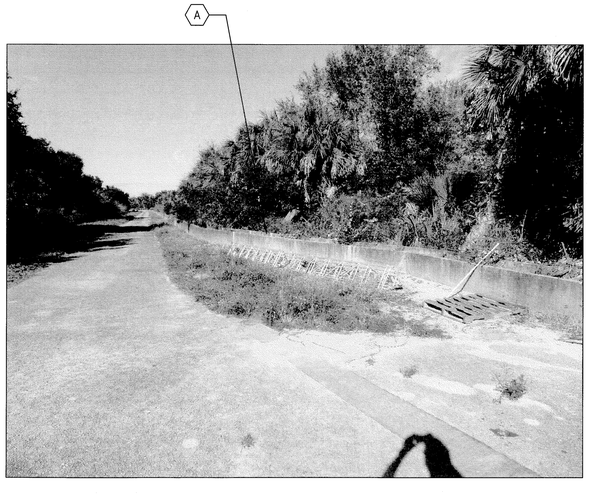
COMMUNICATION CONDUIT AND CABLES TO BE DEMOLISHED (1 / E3)
NTS



ELECTRICAL EQUIPMENT AT L7-1759A&B TO BE DEMOLISHED (2 / E3)
NTS

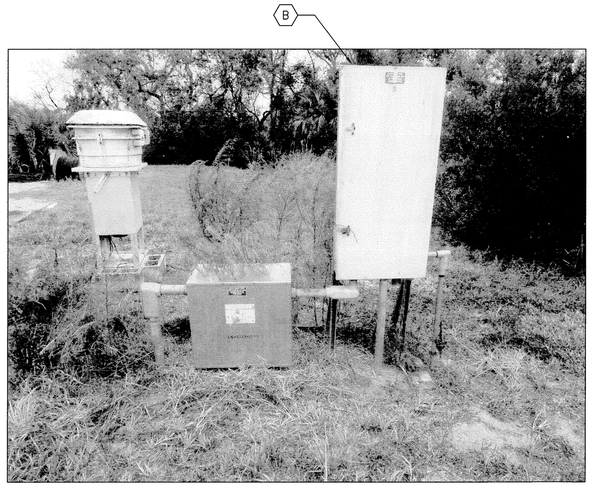


ELECTRICAL CONDUIT TO BE DEMOLISHED (3 / E3)
NTS



CONCRETE UTILITY TRENCH TO REMAIN (4 / E3)
NTS

GENERATOR RECEPTACLE TO BE DEMOLISHED (1 / E3)
NTS



TRANSFORMER AND CONTROL PANEL TO REMAIN (2 / E3)
NTS

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CLOSE/DEMOLISH FACILITIES AND STRUCTURES, VARIOUS LOCATIONS, PACKAGE 4

L7-1759, L7-1759A & L7-1759B PHOTOS

FILE NO.	SIZE	DWG. NO.	REV
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