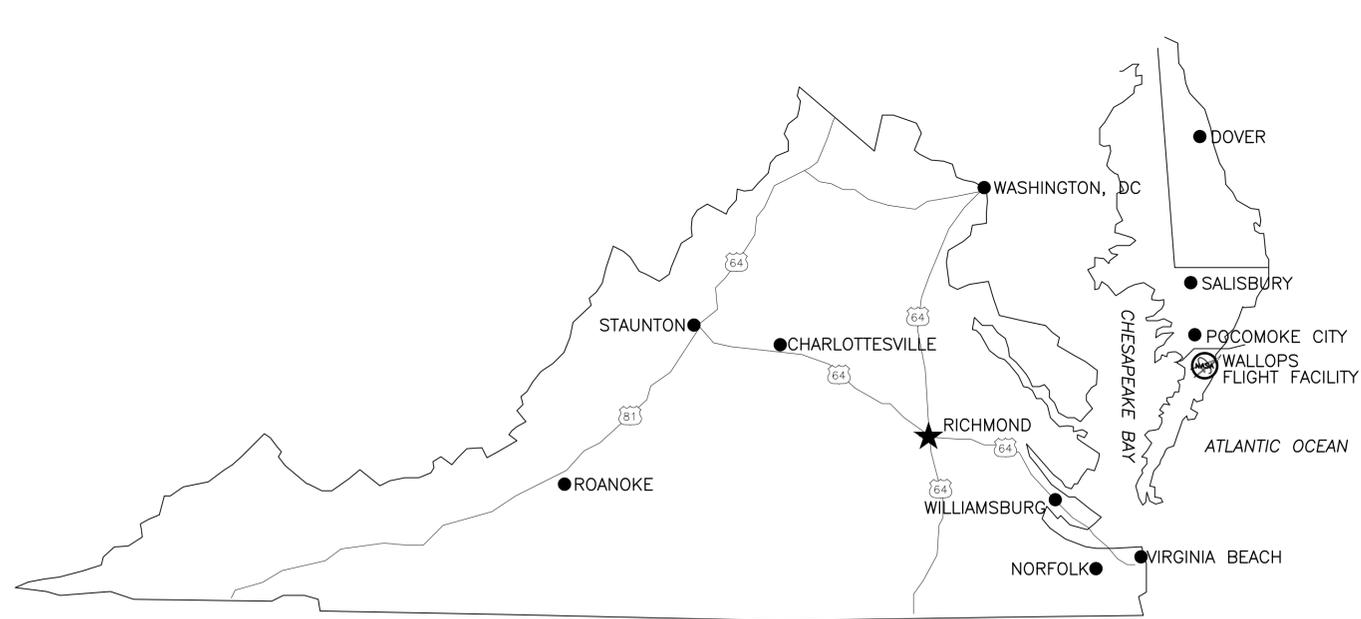


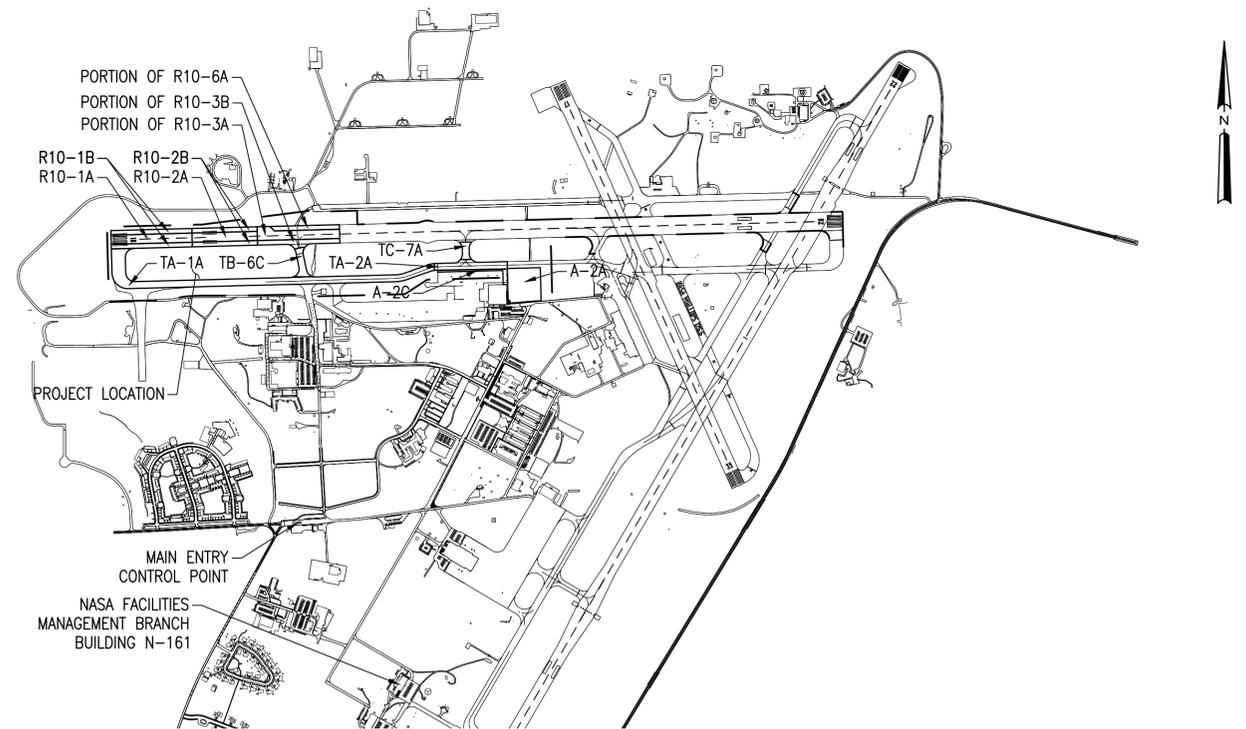
WALLOPS AIRFIELD REPAIR PROJECT, FCLP PHASE 2

(A-2A, 2C, R10-1A, 1B, 2A, 2B, 3A, 3B, 6A, TA-1A, 2A, TB-6C, AND TC-7A)

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION GODDARD SPACE FLIGHT CENTER WALLOPS FLIGHT FACILITY WALLOPS ISLAND, VIRGINIA



A VICINITY MAP
NTS



B LOCATION MAP
1" = 1000'

G-001

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 1000'
AUTOCAD - RELEASE 2010
FILE NAME: '1-1337236-G-0'

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
COVER SHEET
PROJECT NUMBER: 1338474
DR. STH
CK. LMH

DRAWING NO.
17015

INDEX OF DRAWINGS

SHEET NO.	DWG. NO.	PAGE NO.	SHEET TITLE	SHEET NO.	DWG. NO.	PAGE NO.	SHEET TITLE	SHEET NO.	DWG. NO.	PAGE NO.	SHEET TITLE
<u>GENERAL</u>				<u>CIVIL GRADING (CONTINUED)</u>				<u>CIVIL MARKINGS</u>			
G-001	17015	1	COVER SHEET	CG110	N/A	N/A	NOT USED	CM101	17069	54	REMOVAL PLAN
G-002	17016	2	INDEX OF DRAWINGS	CG111	N/A	N/A	NOT USED	CM102	17070	55	REMOVAL PLAN
G-003	17017	3	GENERAL NOTES AND HAUL ROUTE	CG112	N/A	N/A	NOT USED	CM103	17071	56	REMOVAL PLAN
<u>SURVEY</u>				CG113	N/A	N/A	NOT USED	CM104	17072	57	MARKING PLAN
V-100	17018	4	SURVEY CONTROL PLAN	CG114	N/A	N/A	NOT USED	CM105	17073	58	MARKING PLAN
<u>CIVIL GENERAL</u>				CG115	N/A	N/A	NOT USED	CM106	17074	59	MARKING PLAN
C-001	17019	5	NOTES, LEGEND, AND ABBREVIATIONS	CG116	N/A	N/A	NOT USED	CM501	17075	60	MARKING DETAILS
C-100	17020	6	KEY PLAN	CG117	N/A	N/A	NOT USED	<u>EROSION AND SEDIMENT CONTROL</u>			
C-101	17021	7	OPTION LOCATION PLAN	CG201	17044	30	RUNWAY 10-28 PROFILE	ES001	17076	61	ESC COVER SHEET
<u>CIVIL DEMOLITION</u>				CG202	17045	31	RUNWAY 10-28 PROFILE	ES002	17077	62	ESC NOTES
CD101	17022	8	DEMOLITION PLAN	CG301	17046	32	RUNWAY 10-28 SECTIONS	ES003	17078	63	ESC NOTES
CD102	17023	9	DEMOLITION PLAN	CG302	17047	33	RUNWAY 10-28 SECTIONS	ES101	17079	64	ESC PLAN
CD103	17024	10	DEMOLITION PLAN	<u>CIVIL NEW WORK</u>				ES102	17080	65	ESC PLAN
CD104	17025	11	DEMOLITION PLAN	CS101	17048	34	REPAIR PLAN	ES103	17081	66	ESC PLAN
CD105	17026	12	DEMOLITION PLAN	CS102	17049	35	REPAIR PLAN	ES104	17082	67	ESC PLAN
CD106	17027	13	DEMOLITION PLAN	CS103	N/A	N/A	NOT USED	ES105	17083	68	ESC PLAN
CD107	17028	14	DEMOLITION PLAN	CS104	N/A	N/A	NOT USED	ES106	17084	69	ESC PLAN
CD108	17029	15	DEMOLITION PLAN	CS105	17050	36	REPAIR PLAN	ES107	17085	70	ESC PLAN
CD109	17030	16	DEMOLITION PLAN	CS106	17051	37	REPAIR PLAN	ES108	17086	71	ESC PLAN
CD110	17031	17	DEMOLITION PLAN	CS107	17052	38	REPAIR PLAN	ES501	17087	72	ESC DETAILS
CD111	17032	18	DEMOLITION PLAN	CS108	17053	39	REPAIR PLAN				
CD112	17033	19	DEMOLITION PLAN	CS109	17054	40	REPAIR PLAN				
CD113	17034	20	DEMOLITION PLAN	CS110	17055	41	REPAIR PLAN				
CD114	17035	21	DEMOLITION PLAN	CS111	17056	42	REPAIR PLAN				
CD115	17036	22	DEMOLITION PLAN	CS112	17057	43	REPAIR PLAN				
CD116	17037	23	DEMOLITION PLAN	CS113	17058	44	REPAIR PLAN				
CD117	17038	24	DEMOLITION PLAN	CS114	17059	45	REPAIR PLAN				
CD501	17039	25	DEMOLITION DETAILS	CS115	17060	46	REPAIR PLAN				
<u>CIVIL GRADING</u>				CS116	17061	47	REPAIR PLAN				
CG101	N/A	N/A	NOT USED	CS117	17062	48	REPAIR PLAN				
CG102	17040	26	GRADING PLAN	CS501	17063	49	NEW WORK DETAILS				
CG103	17041	27	GRADING PLAN	CS502	17064	50	NEW WORK DETAILS				
CG104	17042	28	GRADING PLAN	CS601	17066	51	NEW WORK SCHEDULE				
CG105	17043	29	GRADING PLAN	CS602	17067	52	NEW WORK SCHEDULE				
CG106	N/A	N/A	NOT USED	CS603	17068	53	NEW WORK SCHEDULE				
CG107	N/A	N/A	NOT USED								
CG108	N/A	N/A	NOT USED								
CG109	N/A	N/A	NOT USED								

G-002

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 GODDARD SPACE FLIGHT CENTER
 WALLOPS FLIGHT FACILITY
 WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER

 SUBMITTED BY *J. Wilson*
 PROJECT MANAGER

NASA SAFETY
Julio C. P. 4/17/15
 FIRE PROTECTION
Julio C. P. 4/17/15

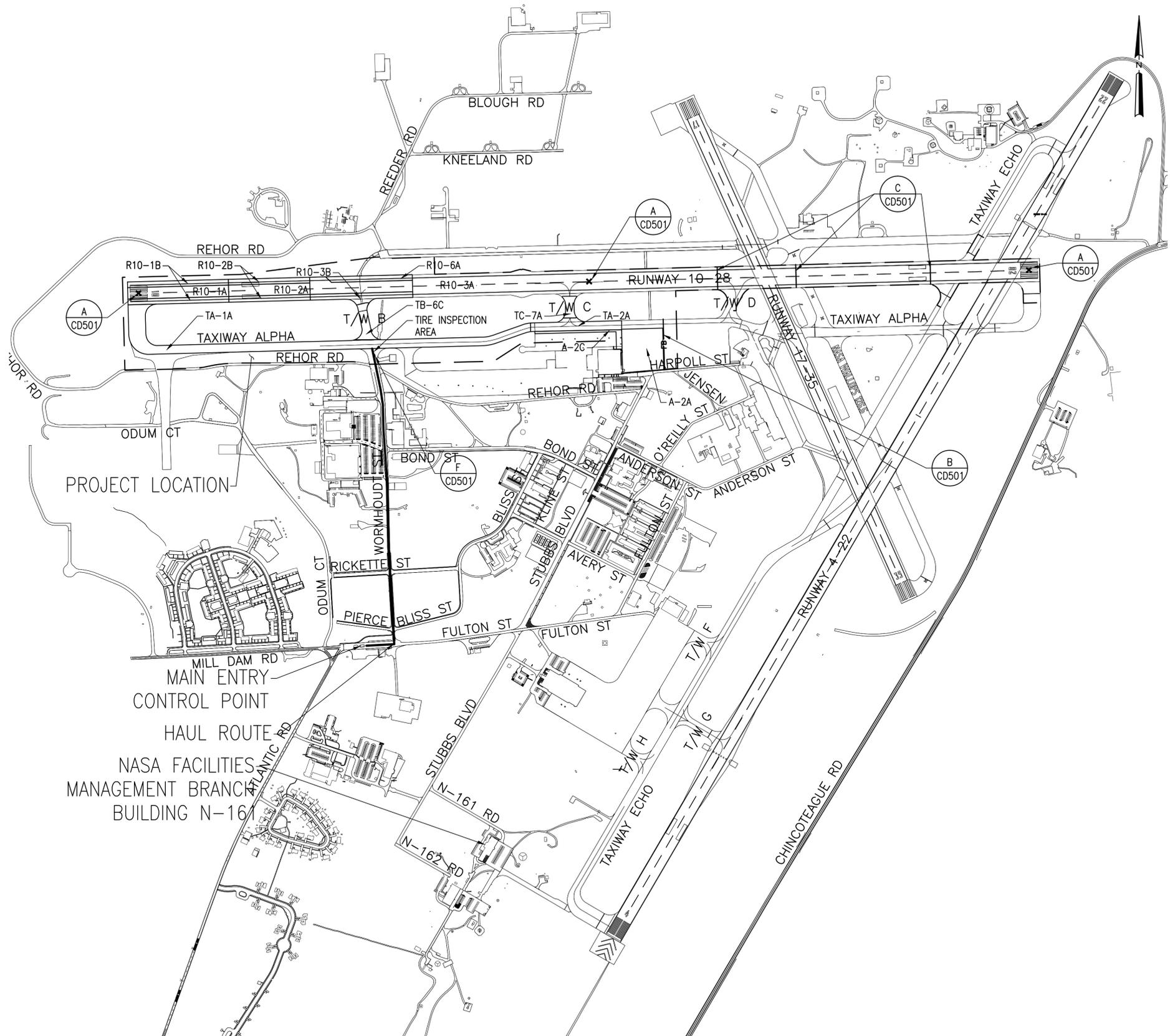
CONSTRUCTION MANAGEMENT
Nick Clayton
 O & M
Janice

ENGINEERING APPROVAL
[Signature]
 ENGINEERING GROUP LEADER
 BRANCH APPROVAL
[Signature]
 BRANCH HEAD

GRAPHIC SCALE
 1" = 1000' 0' 1000' 2000'
 AUTOCAD - RELEASE 2010
 FILE NAME: '1-1337236-G-0'
 SCALE
 1" = 1000'
 SHEET 2 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
 FCLP PHASE II
 INDEX OF DRAWINGS

PROJECT NUMBER: 1338474	DRAWING NO. 17016
DR. STH	DATE:
CK. LMH	REVISED:



A HAUL ROUTE
1" = 500'

GENERAL NOTES

- ALL DIMENSIONS ARE IN FEET (FT) AND INCHES (INCH).
- ITEMS OF NEW WORK INDICATED ON SCHEDULE WERE OBTAINED BY FIELD SURVEY. FIELD VERIFY EXACT LOCATION OF REPAIR ITEMS AND OBTAIN CONCURRENCE OF LOCATION WITH THE CONTRACTING OFFICER PRIOR TO BEGINNING WORK.
- FIELD VERIFY EXACT LOCATION OF UNDERGROUND UTILITY PRIOR TO BEGINNING CONSTRUCTION. ASSUME ALL PAVEMENTS ARE BOUND BY UNDERGROUND ELECTRIC AT MINIMUM OF 1.5 FEET BELOW EXISTING GRADE, WHETHER SHOWN OR NOT. CONTACT CONTRACTING OFFICER TECHNICAL REPRESENTATIVE 15 DAYS PRIOR TO ANY EXCAVATION.
- COMPLY WITH THE WALLOPS FLIGHT FACILITY DIG PERMIT PROCESS. ALLOW 15 DAYS TO HAVE ANY UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATION. HAVE THEM CONTACT THE CONTRACT OFFICER TO START THE PROCESS.
- MAINTAIN STORM DRAINAGE DURING CONSTRUCTION. PROVIDE BYPASS OR OTHER MEANS TO MAINTAIN SYSTEM FUNCTIONALITY. DO NOT ALLOW SEDIMENT TO ENTER SYSTEM DURING DEMOLITION AND CONSTRUCTION.
- USE CAUTION PERFORMING WORK AROUND LIGHTS AND ADJACENT PAVEMENT TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPAIR OR REPLACEMENT OF DAMAGED ITEMS TO THE SATISFACTION OF THE CONTRACTING OFFICER.
- RUNWAY 4-22, RUNWAY 17-35, TAXIWAY ECHO, AND EASTERN PORTION OF TAXIWAY ALPHA MUST REMAIN ACTIVE DURING CONSTRUCTION.
- AIRCRAFT OPERATIONS MUST HAVE THE RIGHT OF WAY AT ALL TIMES.
- PROVIDE EROSION AND SEDIMENT CONTROL, FOD (DEBRIS) CONTROL, AND TRAFFIC CONTROL MEASURES AS INDICATED.
- PROVIDE AND BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY EROSION AND SEDIMENT CONTROL PLANS AND PERMITS.
- UTILIZE WATER TO CONTROL DUST AS NECESSARY.
- ALL CONSTRUCTION EQUIPMENT, PERSONNEL, AND SUPPLIERS MUST STAY WITH IN THE DESIGNATED CONSTRUCTION LIMITS, STAGING AREAS OR HAUL ROUTES UNLESS APPROVED BY THE CONTRACTING OFFICER. CONSTRUCTION LIMITS ARE DEFINED AS A RADIUS OR OFFSET OF 25' ON TURF AND 15' ON PAVEMENT FROM ANY REQUIRED WORK FEATURE.
- COORDINATE WITH CONTRACTING OFFICER OF ANY RUNWAY OR TAXIWAY CLOSURES. PROVIDE NOTIFICATION TO THE CONTRACTING OFFICER A MINIMUM OF 48 HOURS PRIOR TO REQUIRING ANY SECTION OF A RUNWAY OR TAXIWAY TO BE CLOSED.
- APPROPRIATE NOTAMS WILL BE ISSUED BY THE AIRFIELD MANAGER FOR ALL RUNWAY AND TAXIWAY CLOSURES.
- ALL CONTRACTOR PERSONNEL OPERATION VEHICLES SHALL COMPLETE THE WALLOPS FLIGHT FACILITY DRIVERS TRAINING PROGRAM PRIOR TO COMMENCING AND CONSTRUCTION ACTIVITY ON THE FLIGHT LINE.
- CROSSING AN ACTIVE RUNWAY WILL BE PERMITTED BUT MUST BE COORDINATED THROUGH THE TOWER. THE CONTRACTOR MUST BE PROVIDED BASE RADIOS FOR COMMUNICATION WITH THE TOWER.
- MUST MONITOR THE NASA WALLOPS RADIO FREQUENCY CONTINUOUSLY WHEN WORKING ON THE AIRFIELD.
- ALL MATERIALS ARE NEW UNLESS INDICATED AS EXISTING.

GENERAL NOTES (CONTINUED)

- LAYDOWN/STAGING AREA IS WITHIN 1000 FEET OF NEW WORK. CONTRACTING OFFICER WILL DEFINE LAYDOWN/STAGING AREA AND HAUL ROUTES AT PRE-CONSTRUCTION MEETING.
- ANY DISCREPANCY BETWEEN THESE DRAWINGS AND THE ACTUAL FIELD CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER BEFORE COMMENCING WORK.
- PRIVATELY OWNED VEHICLE PARKING WILL BE DESIGNATED BY THE CONTRACTING OFFICER.

GENERAL WORK NOTES

- PROVIDE WORK AS INDICATED IN ACCORDANCE CONTRACT DOCUMENTS.
- ISOLATED REPAIRS ARE ITEMIZED ON REPAIR SCHEDULE SHEETS.
- REESTABLISH EXISTING JOINTS IN NEW WORK AND ADJACENT TO NEW WORK, UNO FOR CONCRETE SLABS WHERE LENGTH EXCEEDS 1.5 TIMES THE WIDTH, PROVIDE JOINT AT MID LENGTH OF SLAB.
- UPON COMPLETION OF REPAIRS (RECONSTRUCTION, RESURFACING, OVERLAYING, ISOLATED ROUTINE, ETC.), REESTABLISH EXISTING PAVEMENT MARKINGS DISTURBED. MARKING PLAN DETAILS ARE LOCATED ON MARKING DETAIL SHEETS.
- AIRFIELD MARKINGS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION MUST BE REESTABLISHED.
- PAVEMENT SHALL BE THOROUGHLY, CLEAN AND FREE OF ALL LOOSE MATERIALS, AND PRETREATED WITH HERBICIDE TO REMOVE ALL VEGETATION, PRIOR TO PLACEMENT OF BIT. CONCRETE, CRACK SEALING, OR APPLYING SEAL COATS.
- REESTABLISH GRADES TO EXISTING, UNLESS NOTED OTHERWISE.
- THOROUGHLY CLEAN ALL PAVEMENT SURFACES PRIOR TO LEAVING THE WORK SITE AT THE END OF THE WORK DAY. A POWER SWEEPER AND A VACUUM TRUCK MUST BE PROVIDED BY THE CONTRACTOR AND MUST BE ON SITE DURING CONSTRUCTION. A VACUUM TRUCK IS REQUIRED ON ALL SURFACES REQUIRING MILLING. ALL OTHER FEATURES SHALL BE CLEANED WITH A POWER SWEEPER.
- ASPHALT CONCRETE (AC) MATERIAL WILL BE SPECIFIED AS EITHER HOT-MIX ASPHALT AIRFIELD PAVING OR WARM-MIX ASPHALT AIRFIELD PAVING.
- PERFORM MILLING OPERATIONS WITHIN A 2 FOOT PROXIMITY TO SIMULATED CARRIER DECK KERFS AND FIXTURES WITH HAND OPERATED MILLING MACHINES. PRIOR TO MILLING OPERATIONS, ALL KERF SEALANT MUST BE REMOVED AND THE DEPTH OF CABLING MUST BE VERIFIED BY INSPECTION. MILLING DEPTH MUST ALLOW FOR 1/2 CLEAR BETWEEN TOP OF CABLE AND MILLED SURFACE. WITH DIRECTION OF THE CONTRACTING OFFICER, CONVENTIONAL MILLING MACHINES MAY BE USED IF INSPECTION RESULTS INDICATE THERE WILL BE NO RISK IN DAMAGING CABLES.
- EXISTING ASPHALT PAVEMENT CONTAINS A LAYER OF PAVING FABRIC APPROXIMATELY 2 TO 2.5 INCHES BELOW EXISTING GRADE.

G-003

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

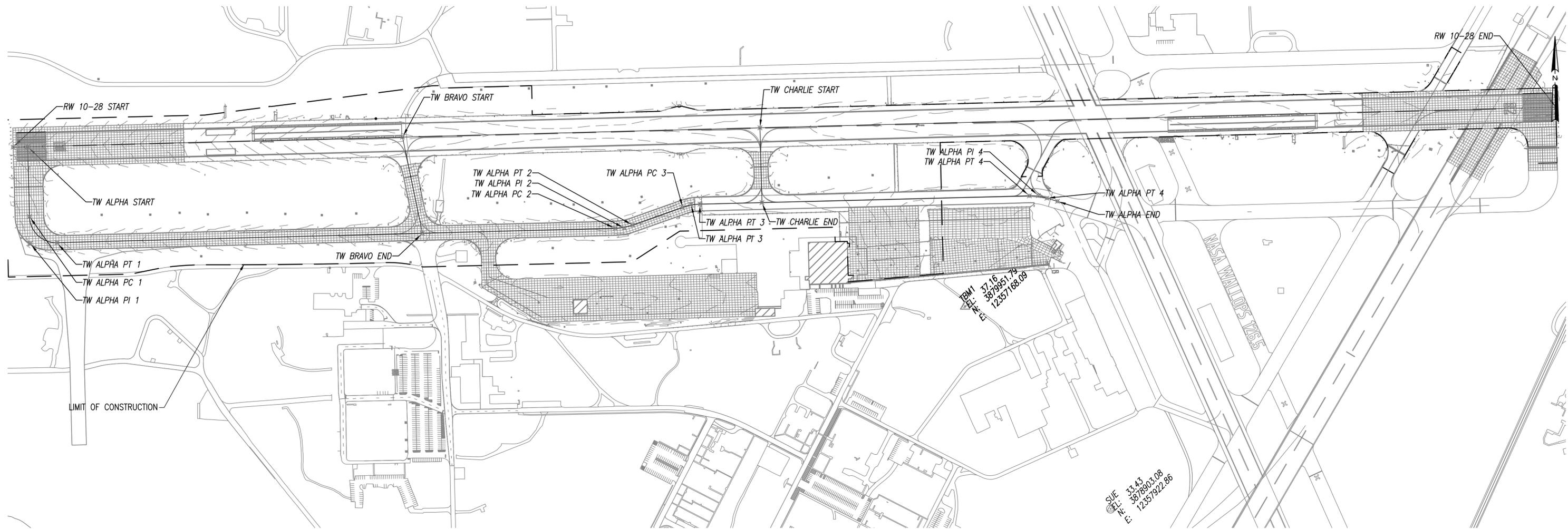
NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 500'
AUTOCAD - RELEASE 2010
FILE NAME: '1-1337236-G-0

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
GENERAL NOTES AND HAUL ROUTE
PROJECT NUMBER: 1338474
DRAWING NO. 17017



A SURVEY CONTROL PLAN
1" = 250'

SURVEY NOTES

- TOPOGRAPHIC SURVEY DATA WAS COLLECTED AND PREPARED BY NAVFAC ATLANTIC USING TOPCON GR-5 EQUIPMENT BETWEEN THE DATES OF DECEMBER 2013 AND FEBRUARY 2014.
 - COORDINATES AND ELEVATION ARE SHOWN IN US SURVEY FEET.
 - THE GEOID MODEL USED IS GEOID12A GRID.
 - THE HORIZONTAL DATUM USED IS NAD83(2011).
 - THE VERTICAL DATUM USED IS NAVD88 COMPUTED USING GEOID MODEL GEOID12A.
 - THE PROJECTION USED IS STATE PLANE COORDINATES (83) VIRGINIA SOUTH.
- TBM1 HORIZONTAL AND VERTICAL VALUES HAVE BEEN FOUND BY TAKING THE WEIGHTED AVERAGE OF 21 HOURS OF OPUS SOLUTIONS OVER SIX SET-UPS FROM DATA TAKEN ON 12 DECEMBER, 2013 (AT 2), 18 FEBRUARY, 2014, 19 FEBRUARY, 2014, 20 FEBRUARY, 2014, AND 21 FEBRUARY, 2014.
- PORTLAND CEMENT CONCRETE JOINTS AND CONTOURS ARE SHOWN IN SURVEY CONTROL PLAN.

SURVEY CONTROL POINT INFORMATION

- THE SURVEY CONTROL POINT INFORMATION IS BELOW:
 - POINT NAME: TBM1
NORTHING: 3,879,951.79
EASTING: 12,357,168.09
ORHTO HEIGHT: 37.16
DESCRIPTION: EXPOSED REBAR IN CONCRETE DUMPSTER PAD 220 FEET SOUTH OF THE INTERSECTION OF HARPOLL STREET AND JENSEN STREET ON JENSEN STREET.
 - POINT NAME: SUE
NORTHING: 3,878,903.08
EASTING: 12,357,922.86
ORTHO HEIGHT: 33.43 (10.19 METERS)
DESCRIPTION: STAINLESS STEEL ROD IN SLEEVE
 - POINT NAME: NASAIR AZ MK
NORTHING: 3,880,961.04
EASTING: 12,353,995.91
ORTHO HEIGHT: 34.60 (10.55 METERS)
DESCRIPTION: STANDARD NGS DISK SET IN INTO TOP OF ROUND CONCRETE MONUMENT.

ALIGNMENT POINT INFORMATION

1. THE ALIGNMENT POINT INFORMATION IS BELOW:

NAME:	NORTHING:	EASTING:
RW 10-28 START	3880776.26	12352229.47
RW 10-28 END	3880983.34	12360232.82
TW ALPHA START	3880778.22	12352305.30
TW ALPHA PC 1	3880416.79	12352314.48
TW ALPHA PI 1	3880277.76	12352318.01
TW ALPHA PT 1	3880281.35	12352457.04
TW ALPHA PC 2	3880356.30	12355352.71
TW ALPHA PI 2	3880357.50	12355399.12
TW ALPHA PT 2	3880372.97	12355442.90
TW ALPHA PC 3	3880464.70	12355702.42
TW ALPHA PI 3	3880480.21	12355746.31
TW ALPHA PT 3	3880481.38	12355792.84
TW ALPHA PC 4	3880524.28	12357501.37
TW ALPHA PI 4	3880525.44	12357547.73
TW ALPHA PT 4	3880512.25	12357592.19
TW ALPHA END	3880496.04	12357646.85
TW BRAVO START	3880828.53	12354249.72
TW BRAVO END	3880330.42	12354352.92
TW CHARLIE START	3880876.51	12356103.84
TW CHARLIE END	3880489.44	12356113.98

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION GODDARD SPACE FLIGHT CENTER WALLOPS FLIGHT FACILITY WALLOPS ISLAND, VIRGINIA 23337	DATE	LET.	REVISIONS	CK.	AP.	PROJECT ENGINEER	NASA SAFETY	CONSTRUCTION MANAGEMENT	ENGINEERING APPROVAL	GRAPHIC SCALE	WALLOPS AIRFIELD REPAIR PROJECT FCLP PHASE II
						SUBMITTED BY <i>[Signature]</i>	FIRE PROTECTION <i>[Signature]</i>	O & M <i>[Signature]</i>	ENGINEERING GROUP LEADER <i>[Signature]</i>	1"=250' 0' 250' 500'	SURVEY CONTROL PLAN
						PROJECT MANAGER <i>[Signature]</i>			BRANCH APPROVAL <i>[Signature]</i>	AUTOCAD - RELEASE 2010 FILE NAME: '2-1337236-V-	DRAWING NO. 17018
									BRANCH HEAD <i>[Signature]</i>	SCALE 1" = 250'	PROJECT NUMBER: 1338474
										SHEET 4 OF 22	DR. STH CK. LMH
											DATE: REVISED:

V-100

LEGEND

EXISTING

- LIMIT OF CONSTRUCTION
- BENCH MARK
- TEMPORARY BENCH MARK
- SPOT ELEVATION
- MAJOR CONTOUR
- MINOR CONTOUR
- PCC PAVEMENT AND JOINTS
- AC PAVEMENT
- CONCRETE CURB
- CONCRETE CURB AND GUTTER
- BUILDING
- BOLLARD
- CHAIN LINK FENCE
- STATIC GROUND RECEPTACLE
- GUY WIRE
- PAVEMENT MARKINGS
- ELEVATED LIGHT
- SEMIFLUSH LIGHT
- FLUSH LIGHT
- LIGHTED TAXIWAY SIGN
- LIGHT POLE
- RUNWAY DISTANCE MARKER
- FIRE HYDRANT
- WATER VALVE
- STORM MANHOLE
- STORM DROP INLET
- STORM PIPE
- SANITARY MANHOLE
- SANITARY LINE
- CLEANOUT
- ELECTRICAL HAND HOLE
- ELECTRICAL MANHOLE
- UNDERGROUND ELECTRIC
- ELECTRICAL PANEL

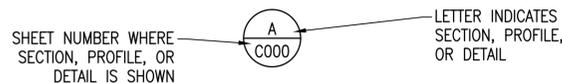
DEMOLITION AND ESC

- LIMIT OF CONSTRUCTION
- MILL AC PAVEMENT 3" OR TO AC PCC INTERFACE
- MILL AC PAVEMENT 3"
- MILL AC PAVEMENT 2"
- REMOVE EXISTING PAVEMENT MARKINGS
- DROP INLET PROTECTION
- DEBRIS BARRIER
- LOW PROFILE BARRICADE
- SILT FENCE

NEW WORK

- LIMIT OF CONSTRUCTION
- SPOT ELEVATION
- MAJOR CONTOUR
- MINOR CONTOUR
- PCC PAVEMENT AND JOINTS
- 4" AC PAVEMENT OVERLAY
- VARIABLE AC OVERLAY
- 2" AC PAVEMENT OVERLAY
- SEAL COAT
- FULL DEPTH REPAIR
- PARTIAL DEPTH REPAIR
- JOINT SEALANT REPAIR
- PCC CRACK SEAL
- FULL SLAB REPLACEMENT
- REGRADE AND SEED
- ROLLED CURB
- YELLOW PAVEMENT MARKINGS
- WHITE PAVEMENT MARKINGS
- OTHER PAVEMENT MARKINGS COLOR AS NOTED
- ELECTRICAL HAND HOLE
- DROP INLET
- STORM PIPE

SECTION OR DETAIL SYMBOL



POST CONSTRUCTION SURVEY

- UPON COMPLETION OF OVERLAYS AND RECONSTRUCTION, THE CONTRACTOR MUST PERFORM A POST-CONSTRUCTION TOPOGRAPHIC SURVEY USING THE SAME LOCATION AND INTERVALS AS THE EXISTING CONDITIONS AND DEMOLITION SHEETS SHOW.
- THE POST CONSTRUCTION SURVEY IS TO VERIFY PLANNED GRADES AND ELEVATIONS WERE ACHIEVED.
- THE ELEVATIONS OF POINTS SURVEYED MUST BE SHOWN TO 0.01 FEET AND NOTED ON A LOCATION PLAN SHOWING ALL SURVEY POINTS. INCORPORATE SURVEY IN THE AS-BUILT DRAWINGS.

DEMOLITION NOTES

- LIMIT OF CONSTRUCTION
- PROVIDE RUNWAY CLOSURE MARKINGS THROUGHOUT ALL PHASES OF CONSTRUCTION. SEE DETAIL A ON SHEET CD501.
- PROVIDE DEBRIS BARRIER THROUGHOUT ALL PHASES OF CONSTRUCTION. SEE DETAIL B ON SHEET CD501.
- PROVIDE LOW PROFILE BARRICADE THROUGHOUT ALL PHASES OF CONSTRUCTION. SEE DETAIL C ON SHEET CD501.
- REMOVE EXISTING MATERIAL AS REQUIRED TO PROVIDE SPALL REPAIR, TYP. SEE DETAIL A ON SHEET CS501 AND NEW WORK SCHEDULE FOR QUANTITIES AND DIMENSIONS.
- REMOVE EXISTING MATERIAL AS REQUIRED TO PROVIDE FULL DEPTH REPAIR, TYP. SEE DETAIL B ON SHEET CS501 AND NEW WORK SCHEDULE FOR QUANTITIES AND DIMENSIONS.
- REMOVE EXISTING JOINT MATERIAL AS REQUIRED TO PROVIDE JOINT SEALANT REPAIR, TYP. SEE DETAIL H ON SHEET CS501 AND NEW WORK SCHEDULE FOR QUANTITIES AND DIMENSIONS.
- REMOVE EXISTING MATERIAL AS REQUIRED TO PROVIDE FULL SLAB REPLACEMENT, TYP. SEE DETAIL B ON SHEET CS501 AND NEW WORK SCHEDULE. PROVIDE PARALLEL SAWCUT. SEE DETAIL D ON SHEET CD501.
- REMOVE EXISTING PAVEMENT MARKINGS.
- MILL EXISTING AC PAVEMENT A MAXIMUM DEPTH OF 3 INCHES.
- MILL EXISTING AC PAVEMENT A MAXIMUM DEPTH OF 3 INCHES OR TO PCC INTERFACE.
- REGRADE AREA TO PROMOTE DRAINAGE OFF OF PAVEMENT, SEE DETAIL B ON SHEET CS502.
- ROUTE CRACK AS REQUIRED TO PROVIDE CRACK SEALANT, TYP. SEE DETAIL J ON SHEET CS501 AND NEW WORK SCHEDULE FOR QUANTITIES AND DIMENSIONS.
- PROVIDE FOD SHAKER. SEE DETAIL F ON SHEET CD501.
- PROVIDE STRAIGHT SAWCUT (MAXIMUM OF 2 INCH DEPTH) AT NEW TO EXISTING AC INTERFACE.
- MILL EXISTING AC PAVEMENT AS REQUIRED TO PROVIDE A 2" AC OVERLAY.
- KERF AND CONDUCTOR PROTECTION PROCEDURES REQUIRED, SEE DETAIL E ON SHEET CS502, TYP.
- REMOVE FAA L-852N FIXTURE FOR REUSE, TYP. SEE DETAIL F ON SHEET CS502.

NEW WORK NOTES

- LIMIT OF CONSTRUCTION
- PROVIDE SPALL REPAIR, TYP. SEE DETAIL A ON SHEET CS501 AND NEW WORK SCHEDULE FOR QUANTITIES AND DIMENSIONS. REESTABLISH PAVEMENT MARKINGS.
- PROVIDE FULL DEPTH REPAIR, TYP. SEE DETAIL B ON SHEET CS501 AND NEW WORK SCHEDULE FOR QUANTITIES AND DIMENSIONS. REESTABLISH PAVEMENT MARKINGS.
- PROVIDE JOINT SEALANT REPAIR, TYP. SEE DETAIL H ON SHEET CS501 AND NEW WORK SCHEDULE FOR QUANTITIES AND DIMENSIONS.
- PROVIDE FULL SLAB REPLACEMENT, TYP. SEE DETAIL B ON SHEET CS501 AND NEW WORK SCHEDULE FOR QUANTITIES AND DIMENSIONS.
- SEAL CRACKS IN PCC PAVEMENT, TYP. SEE DETAIL J ON SHEET CS501 AND NEW WORK SCHEDULE FOR QUANTITIES AND DIMENSIONS.
- SEAL AND/OR PATCH CRACKS IN AC PAVEMENT PRIOR TO AC OVERLAY, TYP. SEE DETAIL C ON SHEET CS502 AND NEW WORK SCHEDULE FOR QUANTITIES AND DIMENSIONS.
- APPLY SEAL COAT.
- REGRADE AND SEED AREA TO PROMOTE DRAINAGE OFF OF PAVEMENT, SEE DETAIL B ON SHEET CS502.
- PROVIDE 4 INCH AC OVERLAY TO MEET FINISH GRADE.
- PROVIDE VARIABLE THICKNESS AC OVERLAY (MAXIMUM OF 4 INCHES) TO MEET FINISH GRADE.
- MATCH EXISTING GRADE AT AC PAVEMENT INTERFACE. STRAIGHT SAWCUT 3 INCH MAXIMUM DEPTH AND TACK COAT EXISTING FACE. SEE DETAIL G ON SHEET CS502.
- MATCH EXISTING GRADE AT PCC PAVEMENT INTERFACE. PROVIDE TACK COAT AT EXISTING PCC VERTICAL FACE. SEE DETAIL G ON SHEET CS502.
- PROVIDE SLAB REINFORCEMENT. SEE DETAIL D ON SHEET CS502.
- PROVIDE 2 INCH AC OVERLAY TO MEET FINISH GRADE.
- REINSTALL FAA L-852N FIXTURE, TYP. SEE DETAIL F ON SHEET CS502.

PAVEMENT MARKING NOTES

- LIMIT OF CONSTRUCTION
- PROVIDE RUNWAY EDGE MARKINGS. SEE DETAIL A ON SHEET CM501.
- PROVIDE RUNWAY CENTERLINE MARKINGS. SEE DETAIL C ON SHEET CM501.
- PROVIDE RUNWAY AIMING POINT MARKINGS. SEE DETAIL A ON SHEET CM501.
- PROVIDE SIMULATED CARRIER DECK MARKINGS. SEE DETAIL B ON SHEET CM501.
- PROVIDE TAXIWAY EDGE MARKINGS. SEE DETAIL C ON SHEET CM501.
- PROVIDE TAXIWAY CENTERLINE MARKINGS. SEE DETAIL C ON SHEET CM501.
- PROVIDE TAXIWAY HOLDSHORT MARKINGS. SEE DETAIL D ON SHEET CM501.
- PROVIDE NON-MOVEMENT AREA MARKINGS. SEE DETAIL C ON SHEET CM501.
- REESTABLISH HANDICAP PARKING SPACES AND ADJACENT MARKINGS TO EXISTING DIMENSIONS AND LOCATION.
- REESTABLISH RED PAVEMENT MARKINGS.
- REESTABLISH TAXIWAY MARKINGS. SEE DETAIL C ON SHEET CM501.
- PROVIDE FOUR ADDITIONAL THRESHOLD BARS EACH END. BARS ARE 5.75 FEET WIDE AND 150 FEET LONG RETRO-REFLECTIVE WHITE WITH BLACK BORDER.

ABBREVIATIONS

ABAND	ABANDONED	CVR	COVER	H	HEIGHT, PAVEMENT THICKNESS	PVC	POLYVINYL CHLORIDE	TEJ	THICKENED EDGE JOINT
AC	ASPHALT CONCRETE	DCJ	DOWELED CONTRACTION JOINT	IN	INCH/ES	R	REINFORCED CONCRETE PAVEMENT	TOB	TOP OF BANK
BM	BENCH MARK	DKJ	DOWELED CONSTRUCTION JOINT	LBS	POUNDS	R/W	RUNWAY	TOS	TOE OF SLOPE
BIT	BITUMINOUS	DIA	DIAMETER	MEG	MATCH EXISTING GRADE	SS	SLEEPER SLAB	TDZ	TOUCH DOWN ZONE
CB	CATCH BASIN	ELEC	ELECTRIC	MH	MAN HOLE	STA	STATION	TYP	TYPICAL
CL	CENTER LINE	EXST, E	EXISTING	MAX	MAXIMUM	S	STORM SEWER	UG	UNDER GROUND
CLF	CHAIN LINK FENCE	ES	EXISTING STORM DRAINAGE PIPE	MTL	METAL	T/W	TAXIWAY	UNO	UNLESS NOTED OTHERWISE
CONC	CONCRETE	ESC	EROSION AND SEDIMENT CONTROL	MIN	MINIMUM	TEL	TELEPHONE	WTR	WATER
COND	CONDUIT	EJ	EXPANSION JOINT	OC	ON CENTER	TBM	TEMPORARY BENCH MARK	W	WIDTH
CO	CONTRACTING OFFICER	FT	FEET	PCC	PORTLAND CEMENT CONCRETE	TE	THICKENED EDGE		
CJ	CONTRACTION JOINT	GOV'T	GOVERNMENT	PSI	POUNDS PER SQUARE INCH	TEB	THICKENED EDGE BUTT JOINT		

C-001

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

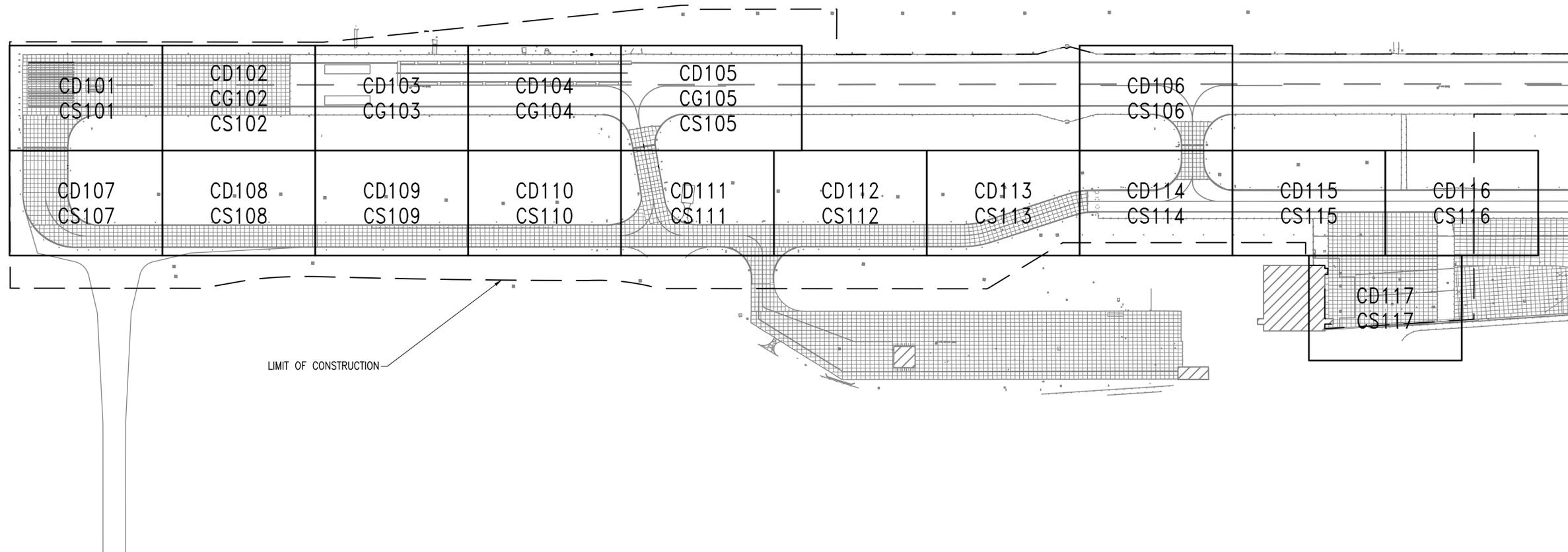
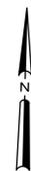
NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
NOT TO SCALE
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-C
SCALE
NOT TO SCALE
SHEET 5 OF 22

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
NOTES, LEGEND, & ABBREVIATIONS
PROJECT NUMBER: 1338474
DRAWING NO. 17019



A KEY PLAN
1" = 200'

C-100

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

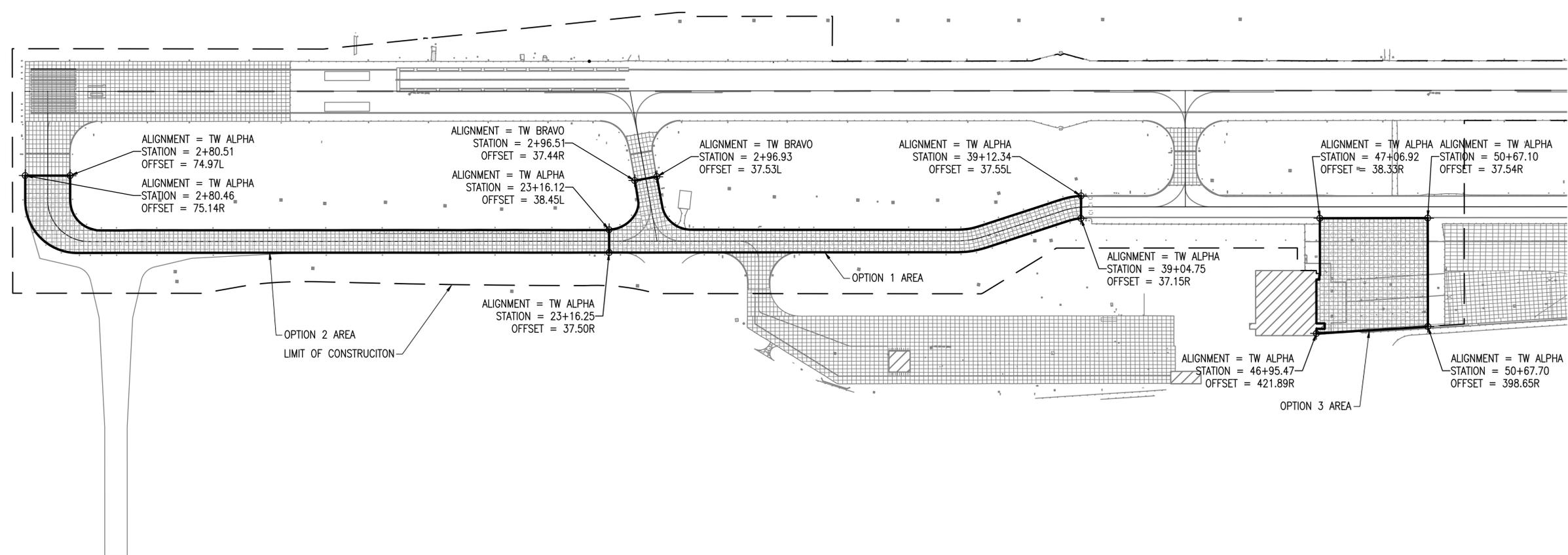
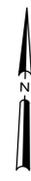
NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 200'
0' 200' 400'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-C-'
SCALE
1" = 200'
SHEET 6 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
KEY PLAN
PROJECT NUMBER: 1338474
DRAWING NO. 17020
DR. STH
CK. LMH
DATE:
REVISED:



A OPTION LOCATION PLAN
1" = 200'

C-101

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

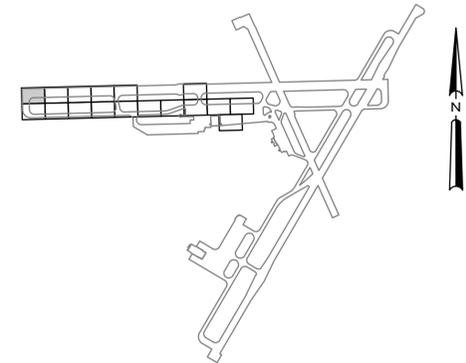
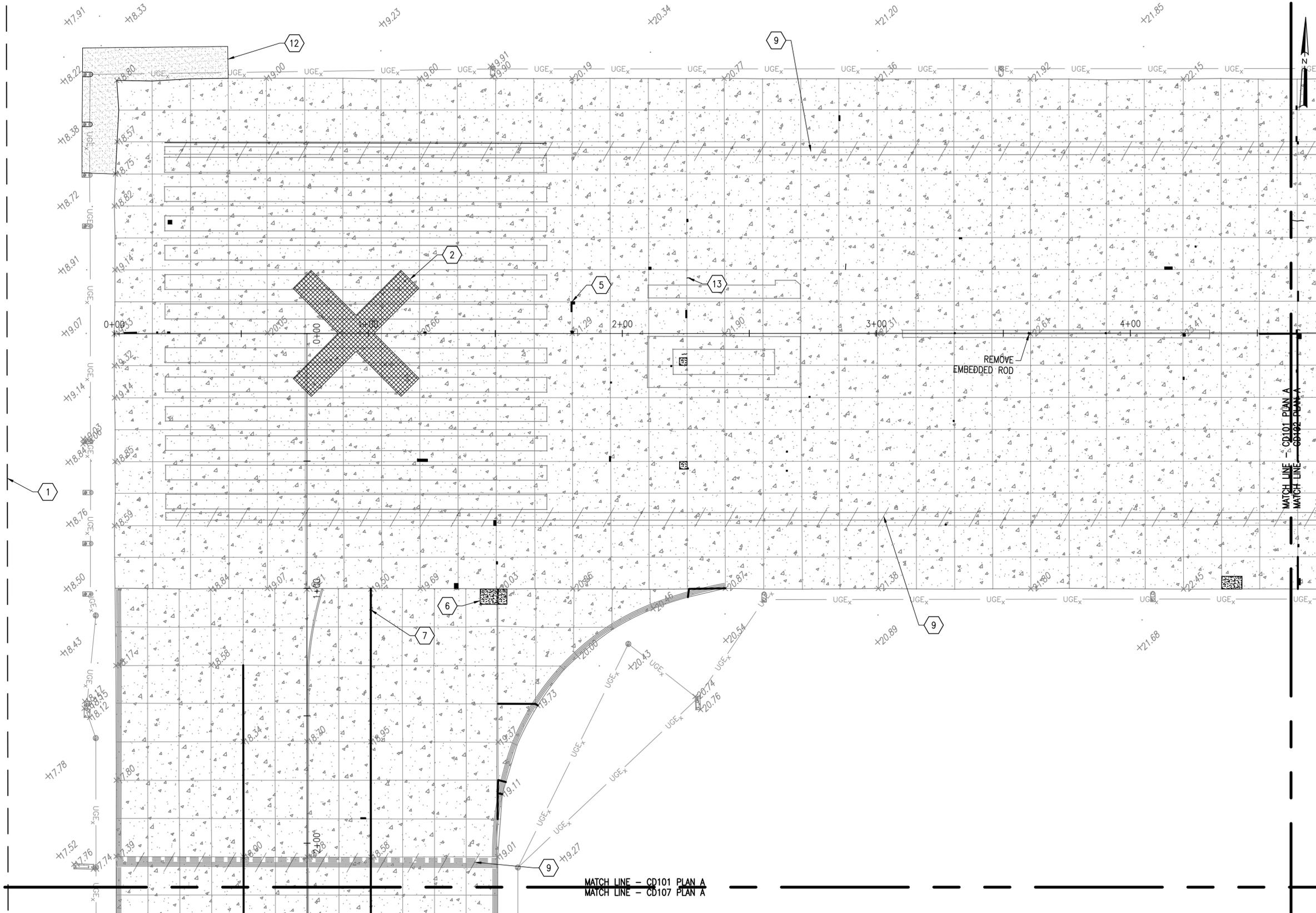
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 200' 0' 200' 400'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-C-'
SCALE
1" = 200'
SHEET 7 OF 22

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
OPTION LOCATION PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17021

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (1 OF 17)
1" = 20'

B KEY PLAN
NTS

CD101

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

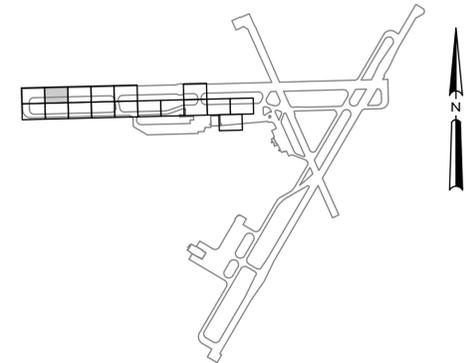
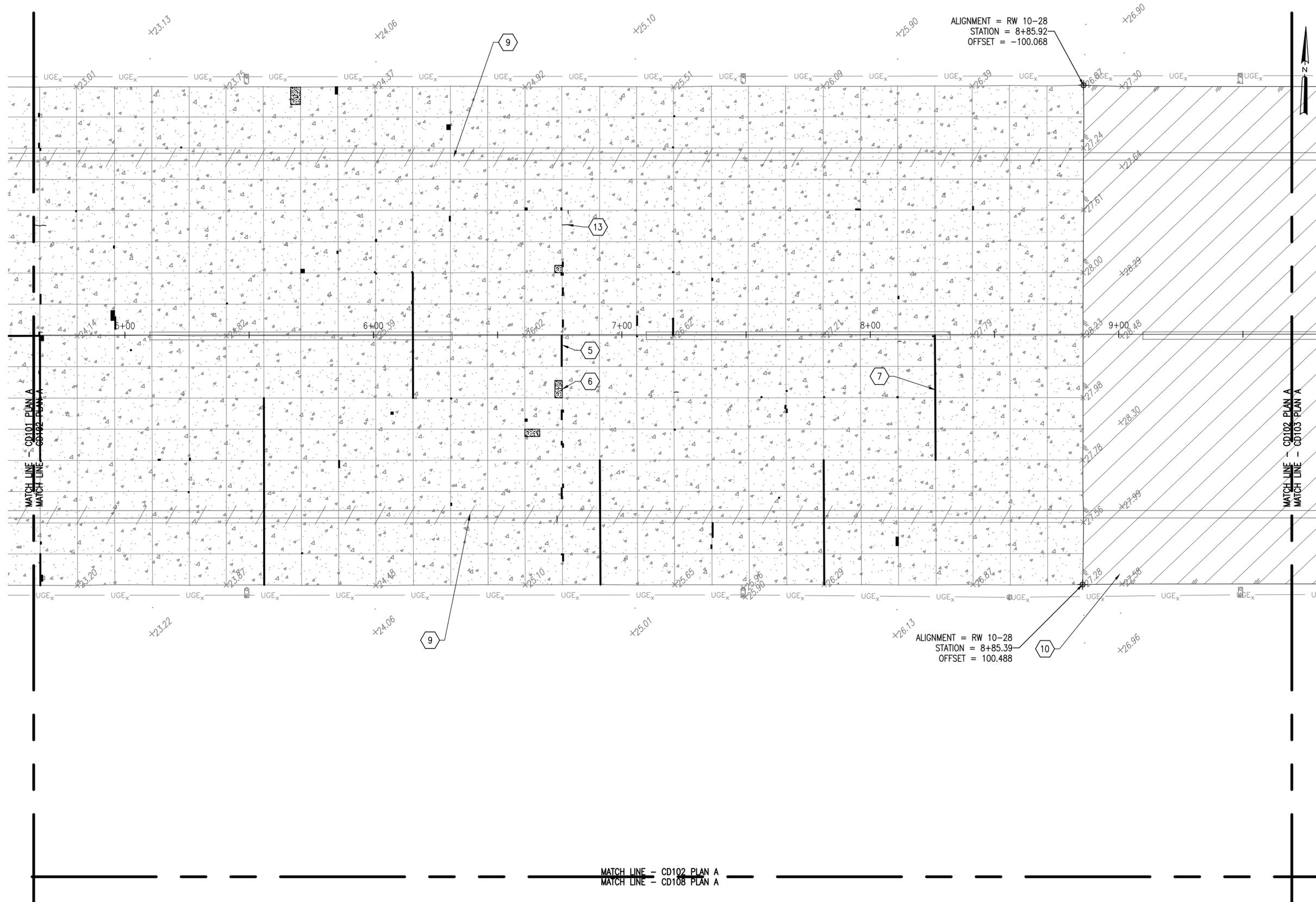
GRAPHIC SCALE
1" = 20'
0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 8 OF 22

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:

DRAWING NO.
17022

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (2 OF 17)
1" = 20'

B KEY PLAN
NTS

CD102

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

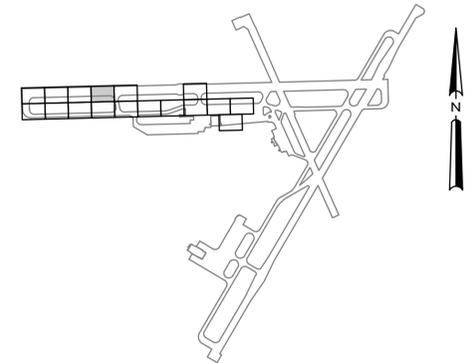
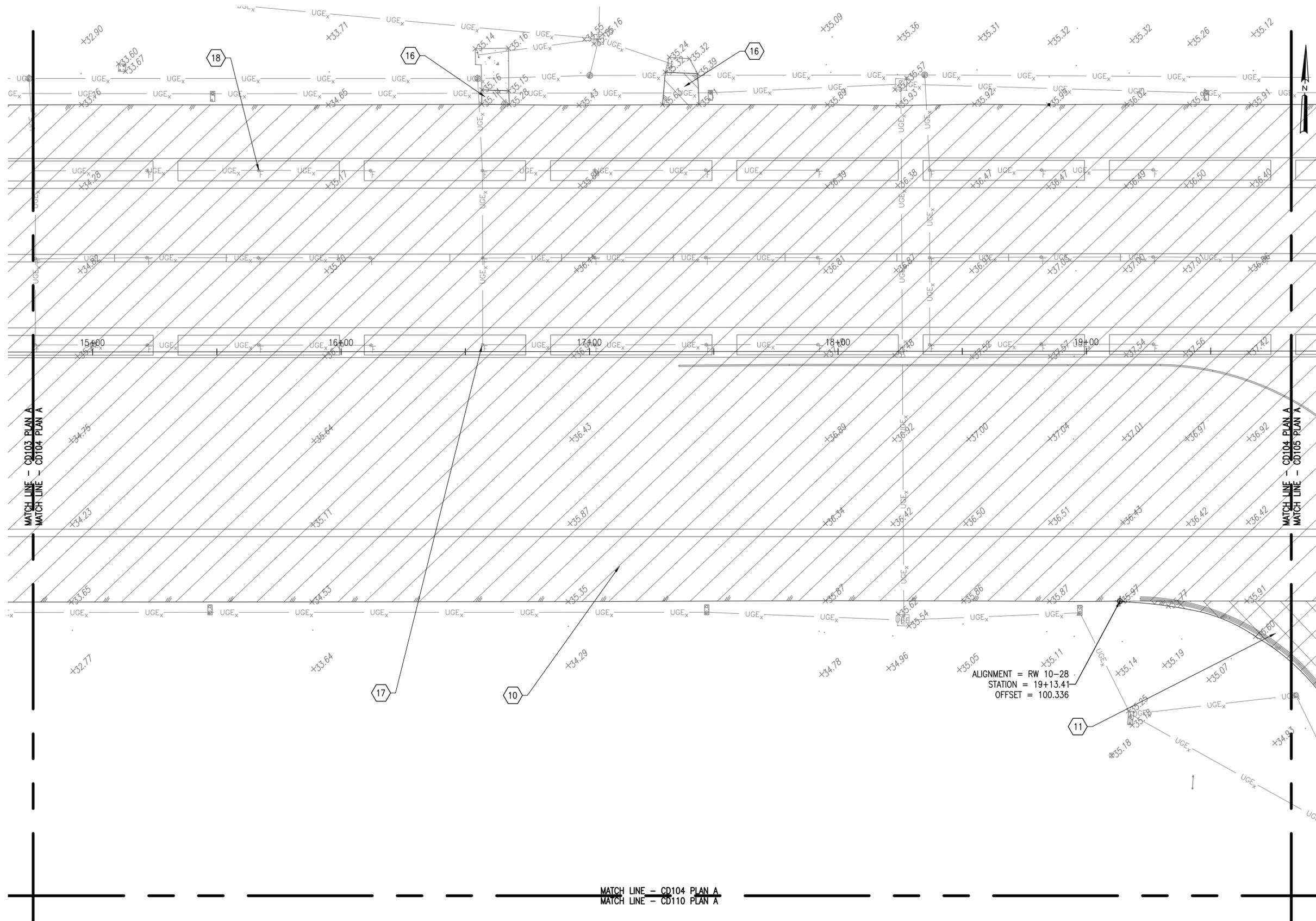
GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 9 OF 22

Wallops Airfield Repair Project
FCLP Phase II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:

DRAWING NO.
17023

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (4 OF 17)
1" = 20'

B KEY PLAN
NTS

CD104

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

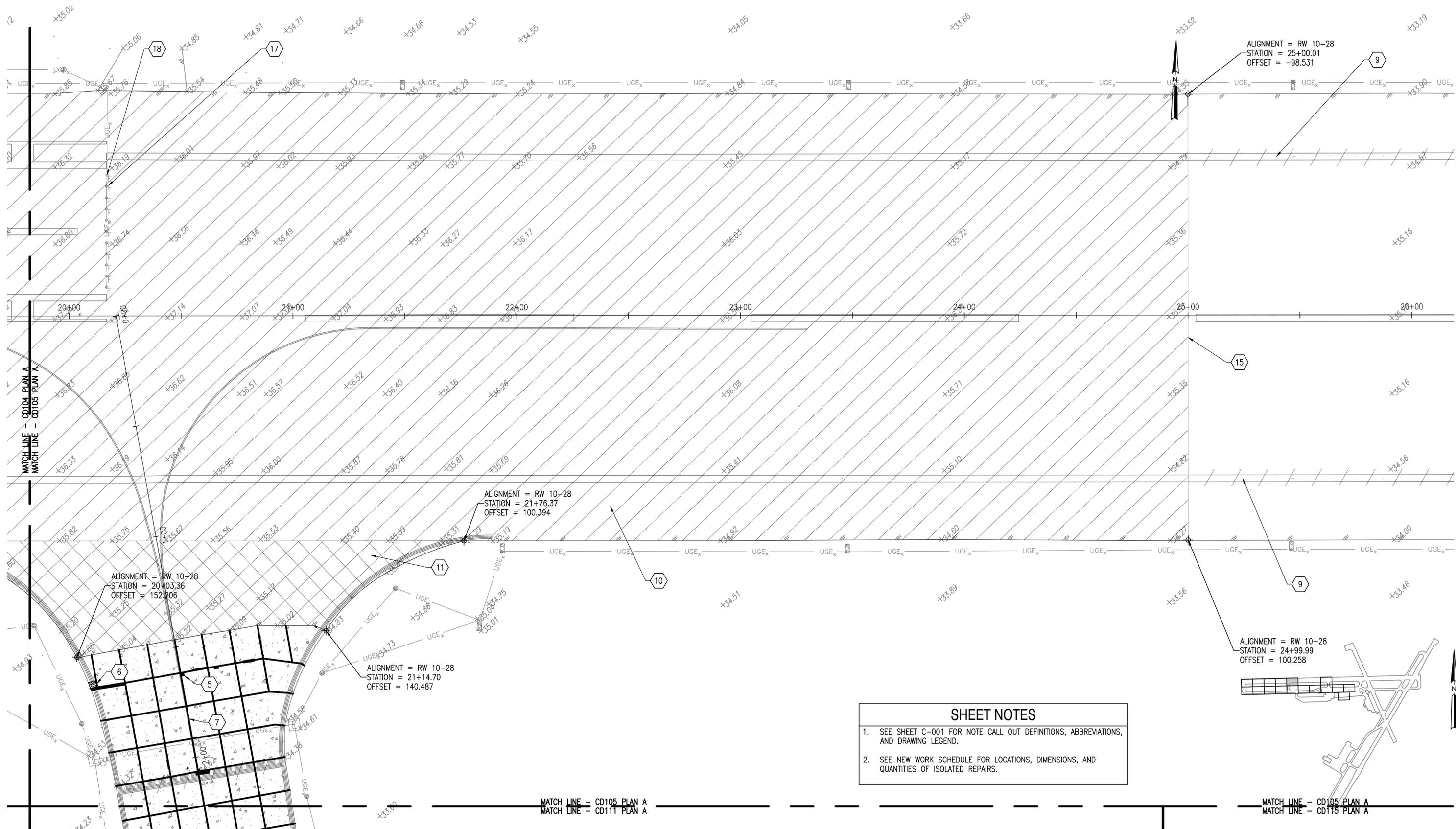
CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 11 OF 22

Wallops Airfield Repair Project
FCLP Phase II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:

DRAWING NO.
17025



SHEET NOTES

- SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
- SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.

A DEMOLITION PLAN (5 OF 17)
1" = 20'

B KEY PLAN
NTS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

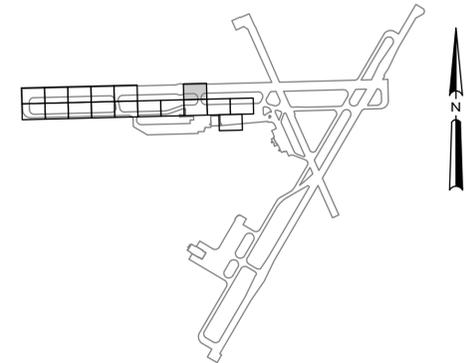
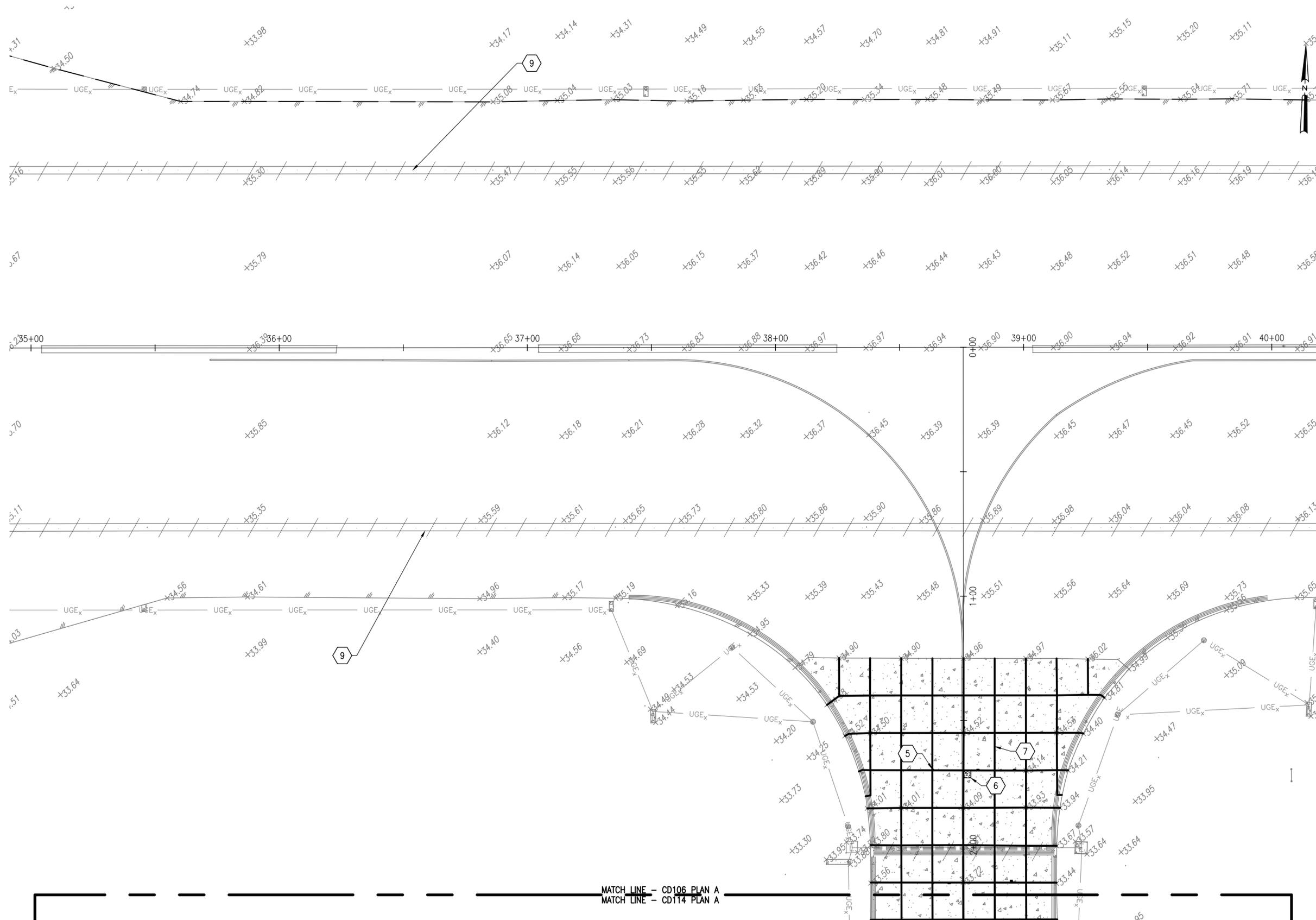
GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 12 OF 22

Wallops Airfield Repair Project
FCLP Phase II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:

CD105
17026

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (6 OF 17)
1" = 20'

B KEY PLAN
NTS

CD106

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

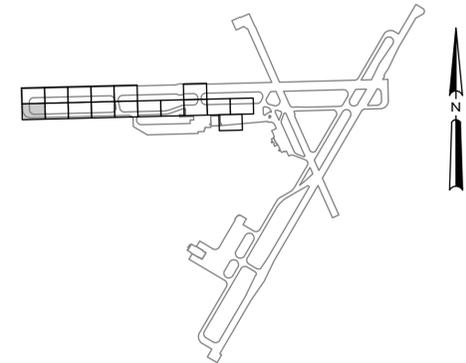
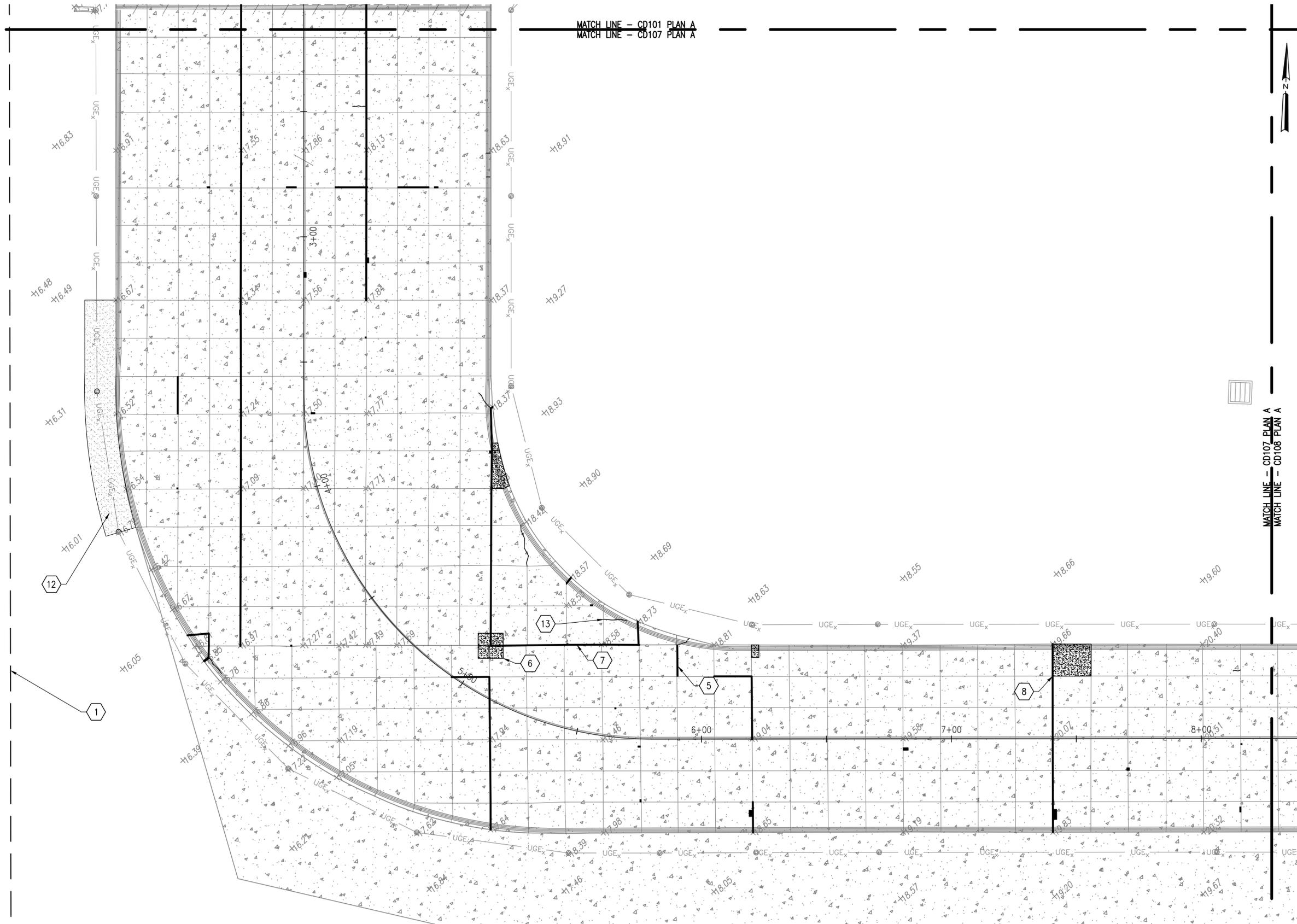
GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 13 OF 22

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:

DRAWING NO.
17027

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (7 OF 17)
1" = 20'

B KEY PLAN
NTS

CD107

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20' 0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 14 OF 22

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17028

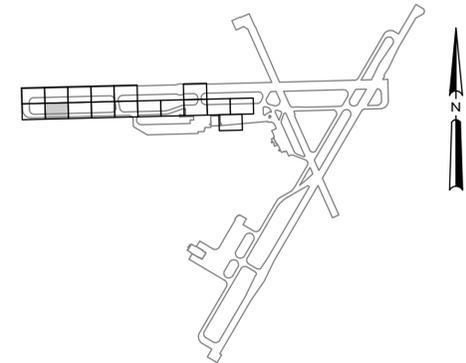
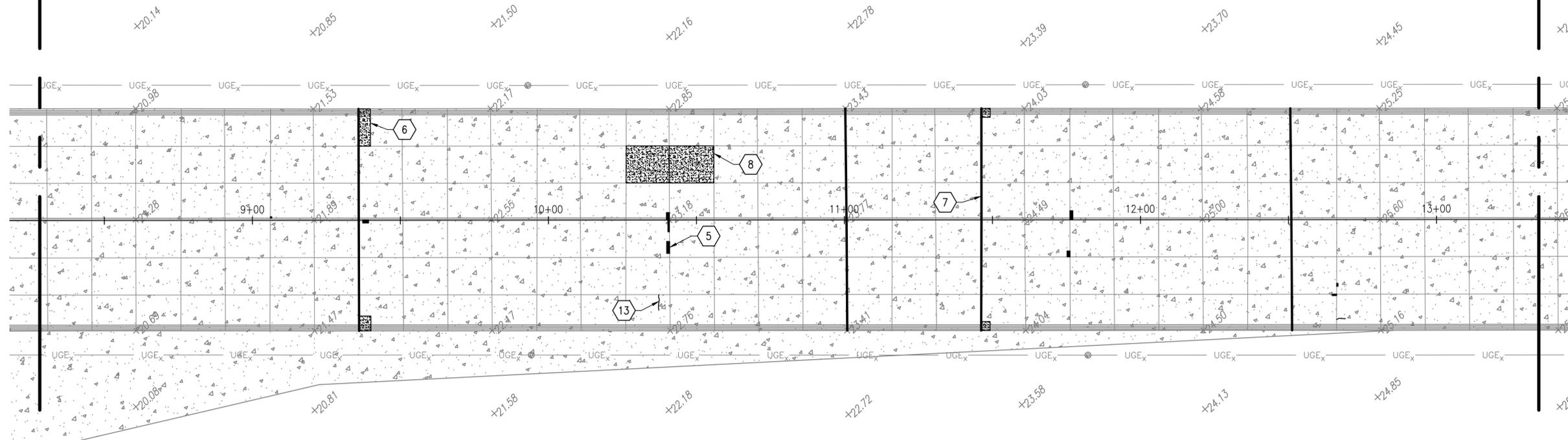
SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.

MATCH LINE - CD102 PLAN A
 MATCH LINE - CD108 PLAN A

MATCH LINE - CD107 PLAN A
 MATCH LINE - CD108 PLAN A

MATCH LINE - CD108 PLAN A
 MATCH LINE - CD109 PLAN A



A DEMOLITION PLAN (8 OF 17)
 1" = 20'

B KEY PLAN
 NTS

CD108

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 GODDARD SPACE FLIGHT CENTER
 WALLOPS FLIGHT FACILITY
 WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
 SUBMITTED BY *[Signature]*
 PROJECT MANAGER

NASA SAFETY
[Signature]
 FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
 O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
 ENGINEERING GROUP LEADER
 BRANCH APPROVAL
[Signature]
 BRANCH HEAD

GRAPHIC SCALE
 1" = 20' 0' 20' 40'
 AUTOCAD - RELEASE 2010
 FILE NAME: '2-1337236-CD1
 SCALE
 1" = 20'
 SHEET 15 OF 22

WALLOPS AIRFIELD REPAIR PROJECT
 FCLP PHASE II
DEMOLITION PLAN
 PROJECT NUMBER: 1338474
 DR. STH DATE:
 CK. LMH REVISED:
 DRAWING NO.
17029

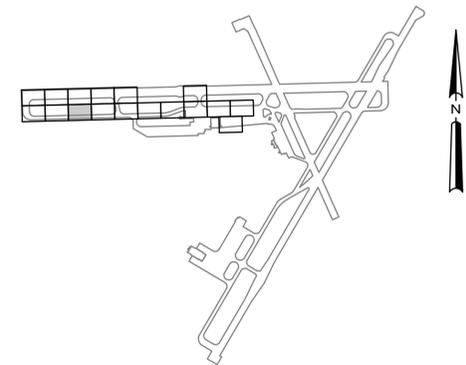
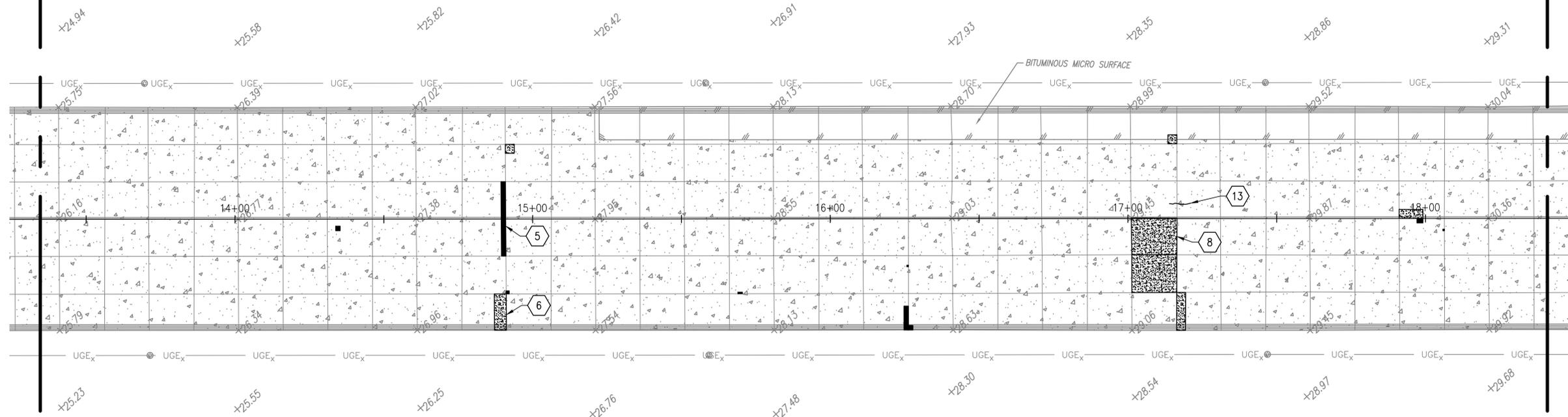
SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.

MATCH LINE - CD103 PLAN A
MATCH LINE - CD109 PLAN A

MATCH LINE - CD108 PLAN A
MATCH LINE - CD109 PLAN A

MATCH LINE - CD109 PLAN A
MATCH LINE - CD110 PLAN A



A DEMOLITION PLAN (9 OF 17)
1" = 20'

B KEY PLAN
NTS

CD109

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

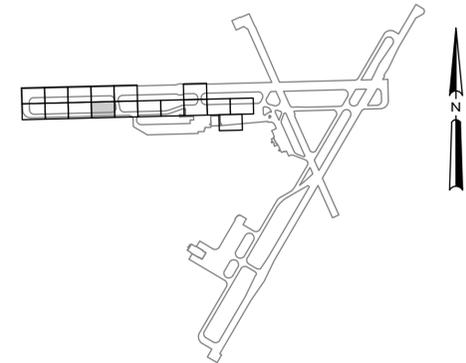
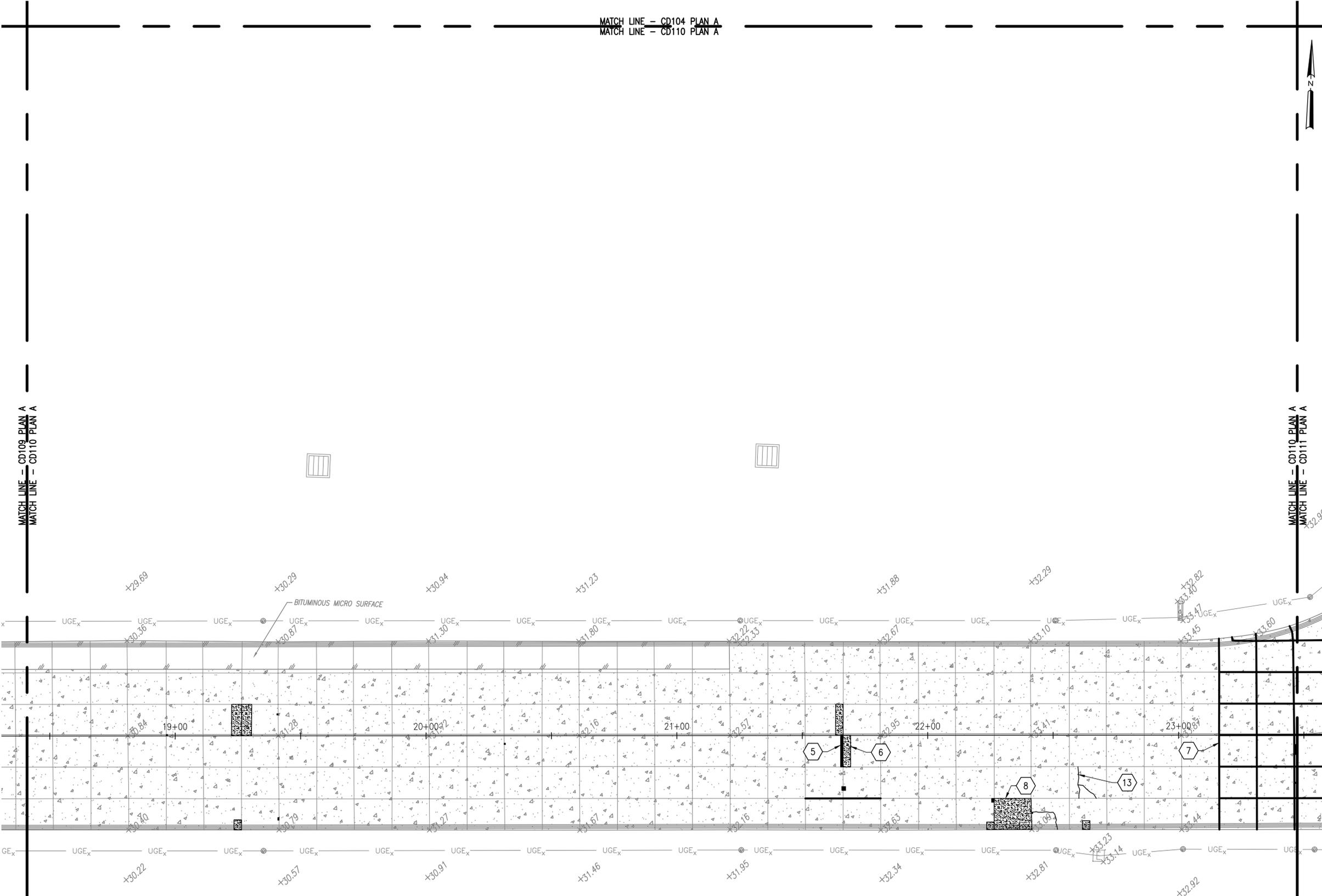
ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1

Wallops Airfield Repair Project
FCLP Phase II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DRAWING NO. 17030
SHEET 16 OF 22

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (10 OF 17)
1" = 20'

B KEY PLAN
NTS

CD110

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

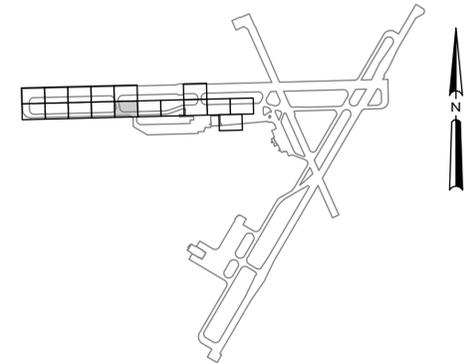
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20' 0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 17 OF 22

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17031

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (11 OF 17)
1" = 20'

B KEY PLAN
NTS

CD111

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

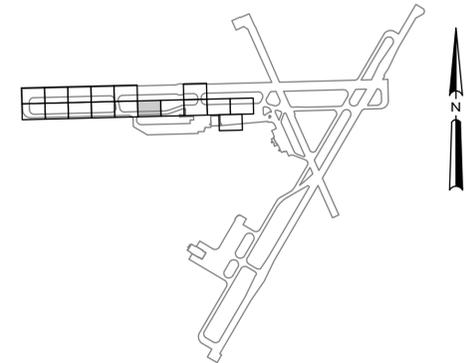
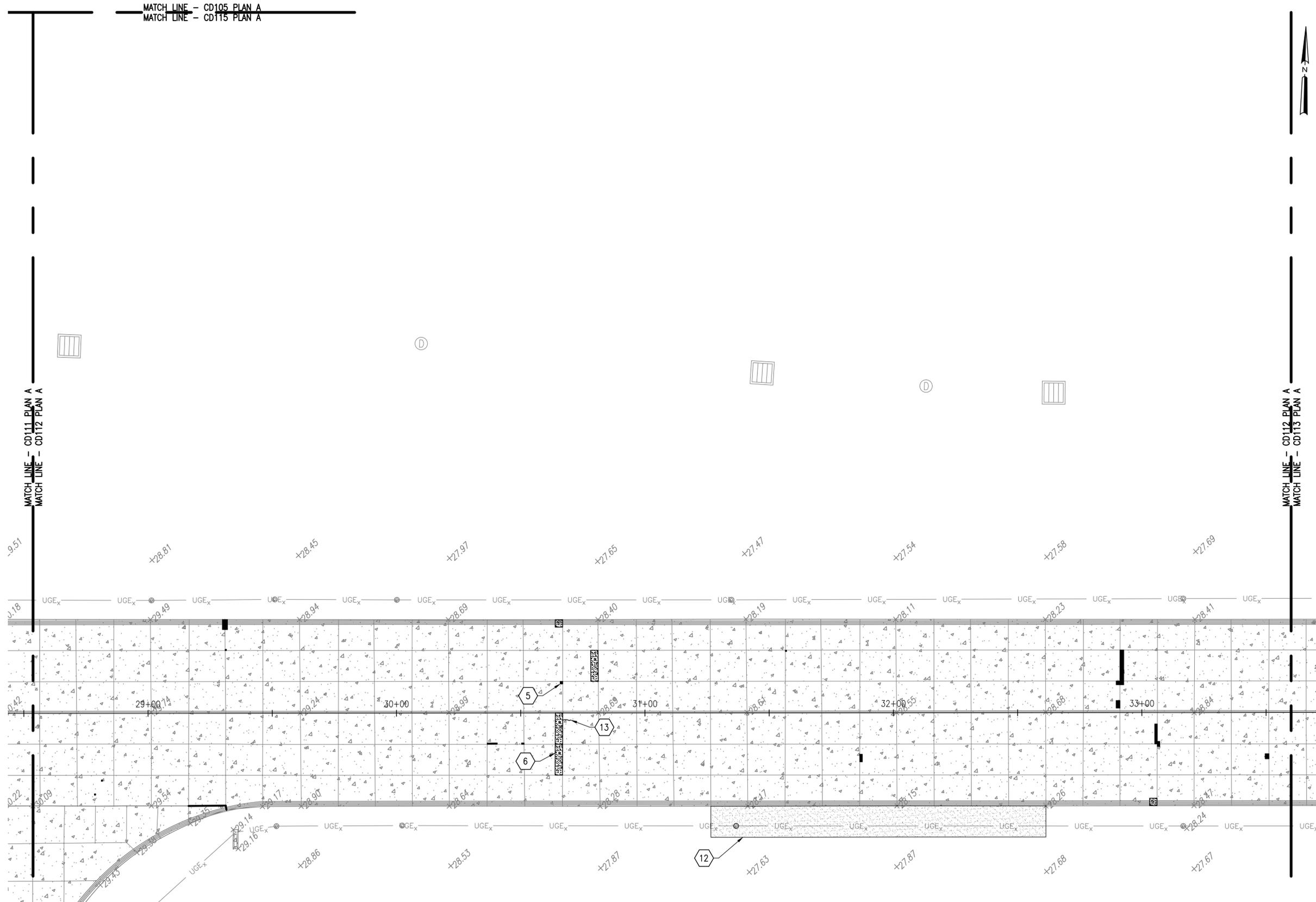
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20' 0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 18 OF 22

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISIONS:
DRAWING NO.
17032

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (12 OF 17)
1" = 20'

B KEY PLAN
NTS

CD112

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER

SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

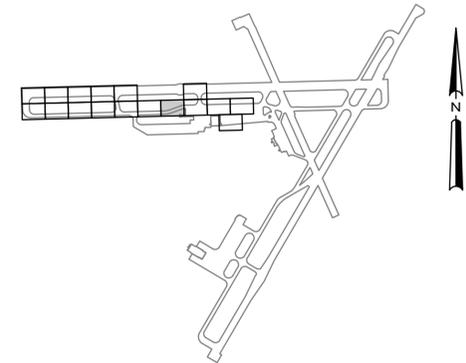
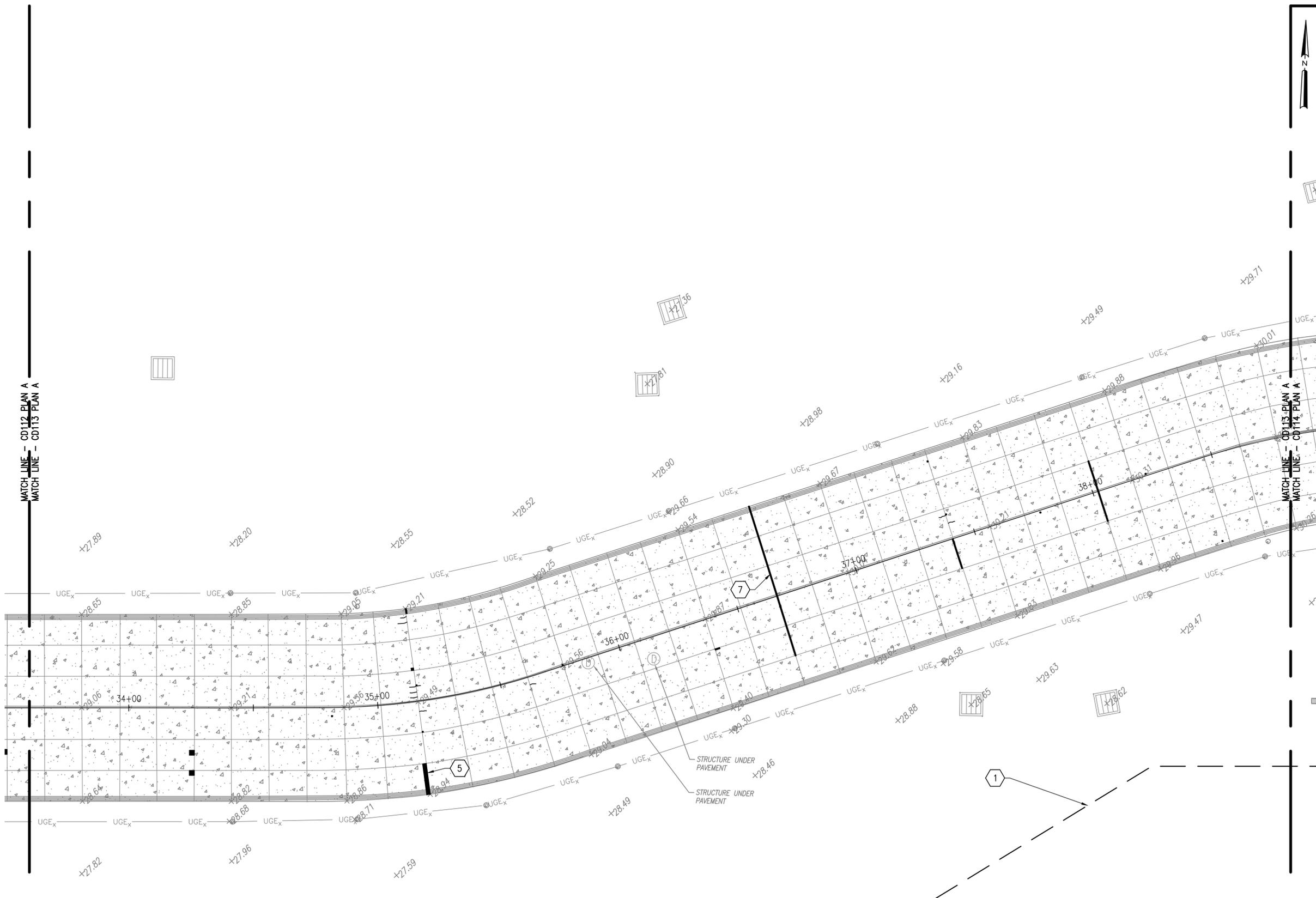
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20' 0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 19 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISED:
DRAWING NO.
17033

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (13 OF 17)
1" = 20'

B KEY PLAN
NTS

CD113

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
[Signature]
SUBMITTED BY
[Signature]
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

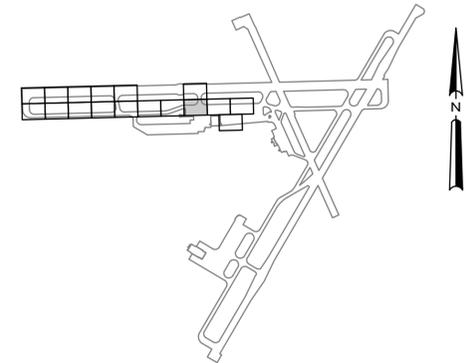
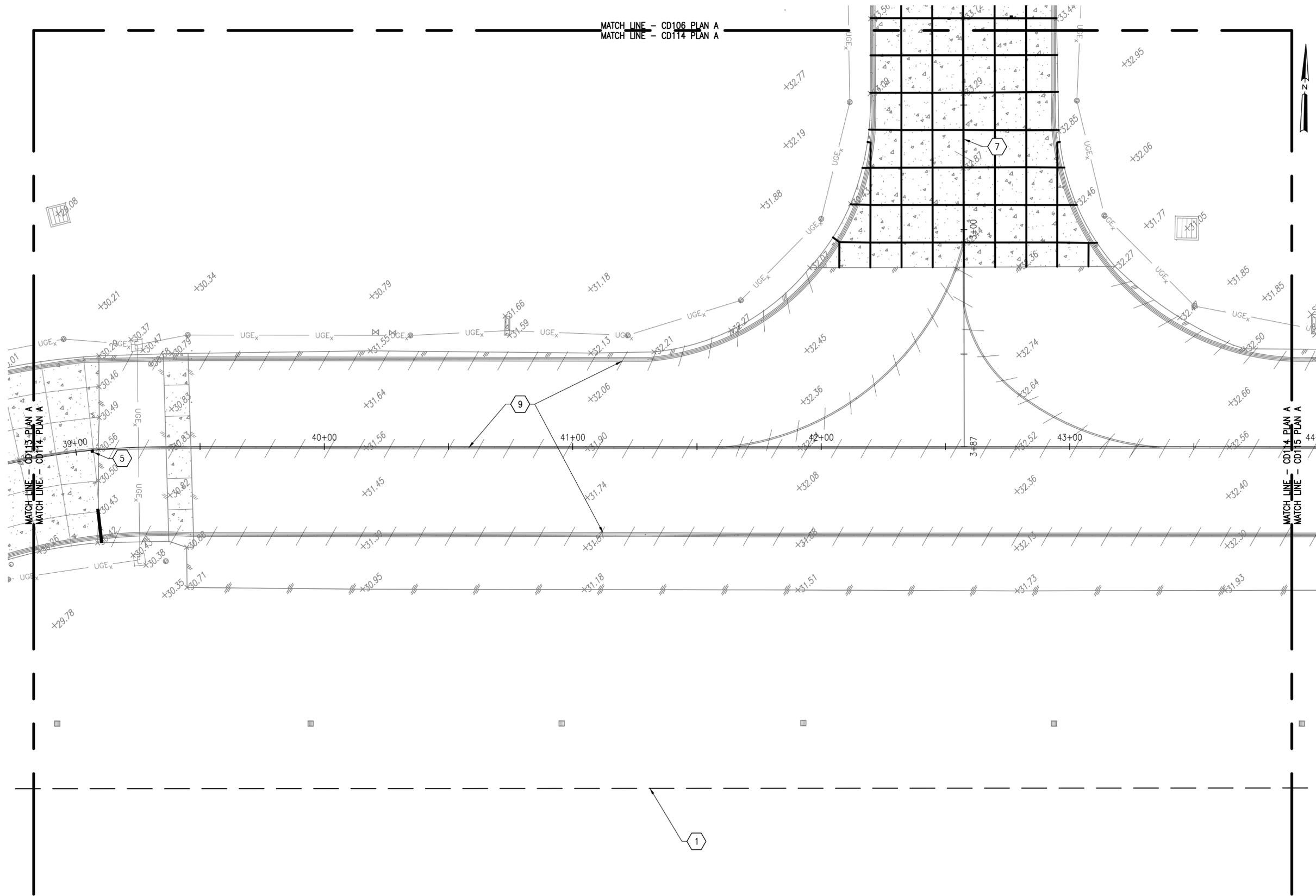
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 20 OF 22

Wallops Airfield Repair Project
FCLP Phase II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISIONS:
DRAWING NO.
17034

SHEET NOTES

- SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
- SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (14 OF 17)
1" = 20'

B KEY PLAN
NTS

CD114

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

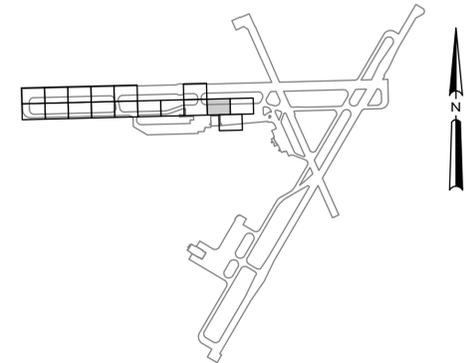
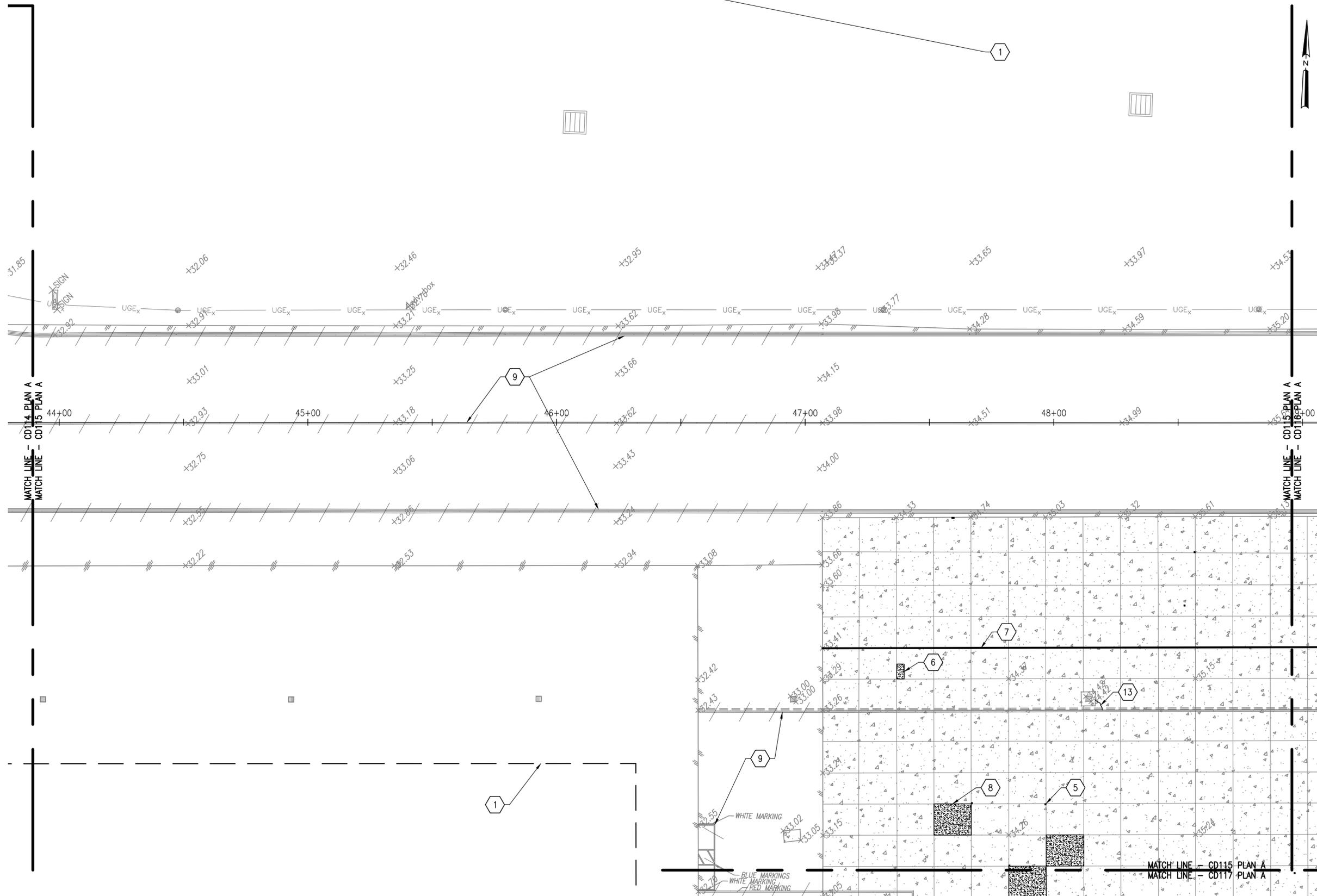
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20' 0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 21 OF 22

Wallops Airfield Repair Project
FCLP Phase II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISED:
DRAWING NO.
17035

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (15 OF 17)
1" = 20'

B KEY PLAN
NTS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

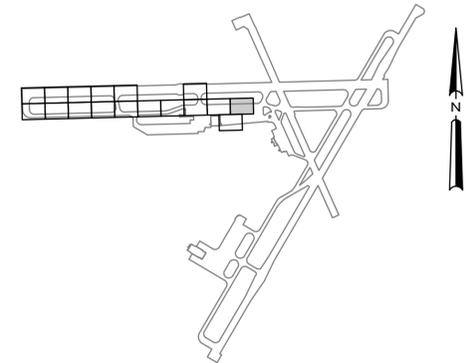
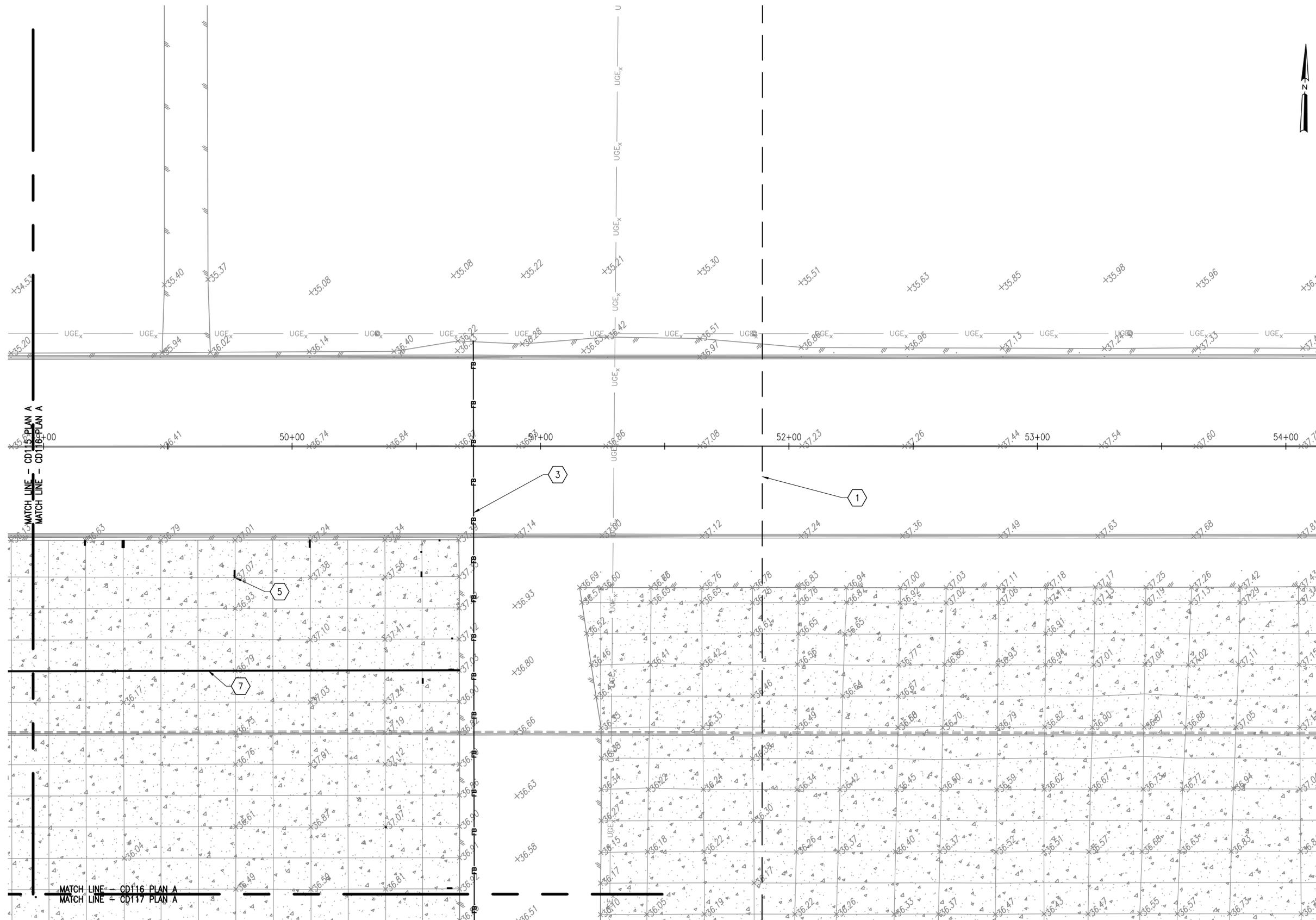
ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 22 OF 22

Wallops Airfield Repair Project
FCLP Phase II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DRAWING NO. 17036

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (16 OF 17)
1" = 20'

B KEY PLAN
NTS

CD116

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
Julio C. P.P.
4/17/15
SUBMITTED BY
J.W.
PROJECT MANAGER

NASA SAFETY
Julio C. P.P.
4/17/15
FIRE PROTECTION
Julio C. P.P.
4/17/15

CONSTRUCTION MANAGEMENT
Nick Clayton
O & M
J. J. J.

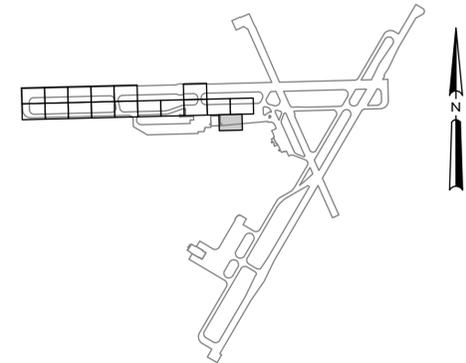
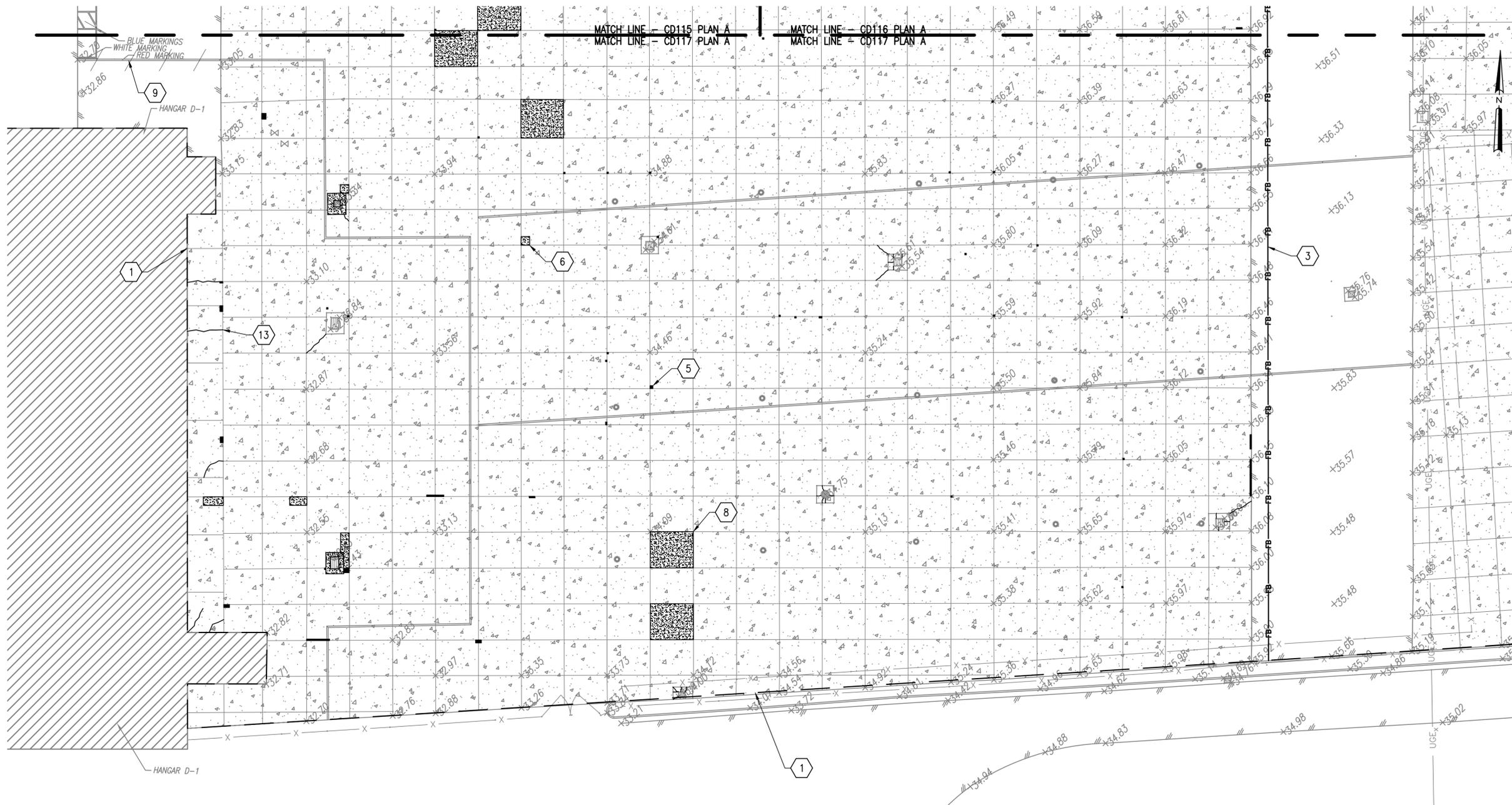
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 23 OF 22

Wallops Airfield Repair Project
FCLP Phase II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISID:
DRAWING NO.
17037

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A DEMOLITION PLAN (17 OF 17)
1" = 20'

B KEY PLAN
NTS

CD117

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

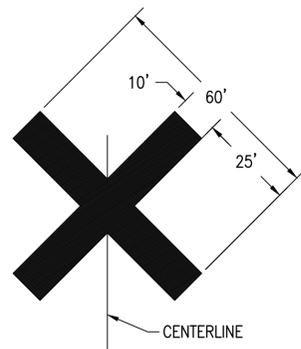
CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

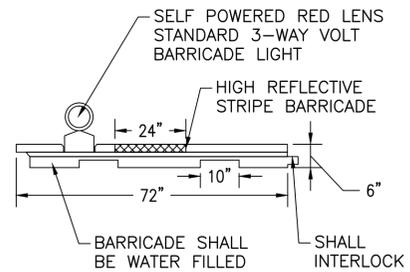
GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD1
SCALE
1" = 20'
SHEET 24 OF 22

Wallops Airfield Repair Project
FCLP Phase II
DEMOLITION PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:

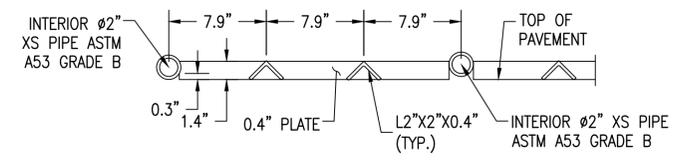
DRAWING NO.
17038



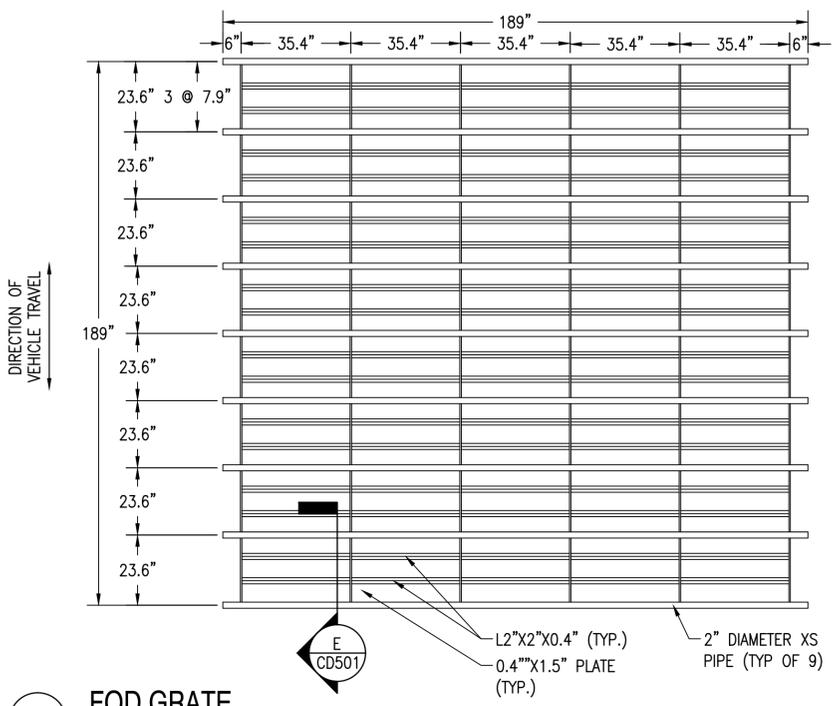
A CLOSURE MARKING
NTS



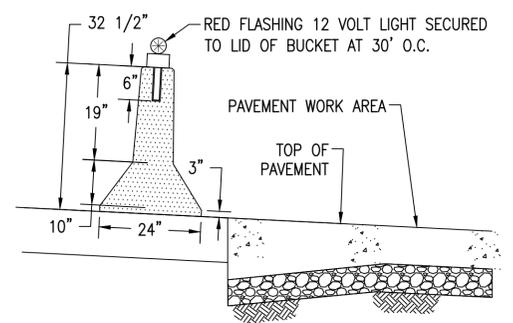
C LOW PROFILE BARRICADE
NTS



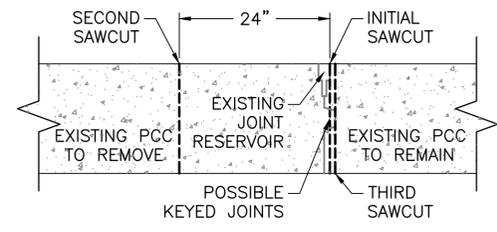
E FOD GRATE SECTION
NTS



F FOD GRATE
NTS



B DEBRIS BARRIER
NTS



D PARALLEL SAWED JOINT
NTS

CLOSURE MARKER NOTES

- COLOR SHALL BE YELLOW. MATERIAL SHALL BE EASILY REMOVABLE AND NOT PAINT. PROVIDE MIN. 6" BLACK BORDER IF REQUIRED TO ENHANCE VISIBILITY.
- FOR 8,000' LONG CLOSURE USE 3, FOR A 12,000' LONG CLOSURE USE 4. REFER TO NAVAIR 51-50AAA-1 FOR FURTHER GUIDANCE.
- CLOSURE MARKERS MUST BE TURNED OVER TO THE CONTRACTING OFFICER AT PROJECT COMPLETION.

LOW PROFILE BARRICADE

- BARRICADE SHALL BE CONSTRUCTED OF HIGH IMPACT, UV-RESISTANT POLYETHYLENE.
- EACH UNIT SHALL INCLUDE STANDARD 3-WAY LIGHT, AND HIGH REFLECTIVE TAPE.
- BARRICADES SHALL ALTERNATE FROM WHITE TO ORANGE. HIGH REFLECTIVE TAPE SHALL BE WHITE ON ORANGE BARRICADES AND ORANGE ON WHITE BARRICADES.

PARALLEL SAWED JOINT NOTES

- PRIOR TO INITIAL SAWCUT, CONTRACTOR MUST CONFIRM LIMITS OF PAVEMENT REMOVAL WITH CONTRACT OFFICER. UPON COMPLETION OF PAVEMENT REMOVAL THE CONTRACTOR AND CONTRACT OFFICER MUST INSPECT EDGE OF PAVEMENT TO REMAIN.
- INITIAL SAWCUT MUST BE ALONG EDGE OF JOINT SEALANT RESERVOIR TO REMAIN.
- SECOND SAWCUT MUST BE PARALLEL TO AND OFFSET 24 INCHES FROM THE INITIAL SAWCUT.
- A THIRD SAWCUT MAY BE REQUIRED IN THE EVENT A KEYED JOINT STILL REMAINS.
- ALL SAWCUTS MUST BE TO FULL DEPTH OF PAVEMENT.

FOD GRATE NOTE

- AS PART OF THE CONTRACTOR'S VEHICLE FOD CONTROL, POSITION ONE FOD GRATE AT EACH ACCESS POINT ON TO THE FLIGHT LINE AND BASE ROAD SYSTEMS. THE CONTRACTOR AND ALL SUBCONTRACTORS MUST DRIVE VEHICLES OVER THE FOD GRATE IMMEDIATELY PRIOR TO ENTERING THE BASE ROAD SYSTEM TO DISLodge STONES, ROCKS, AND OTHER POTENTIAL FOD FROM THE VEHICLES.
- WHERE SEDIMENT IS TRANSPORTED ONTO PAVEMENTS, THE ROAD MUST BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT MUST BE REMOVED FROM THE PAVEMENT BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA.



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

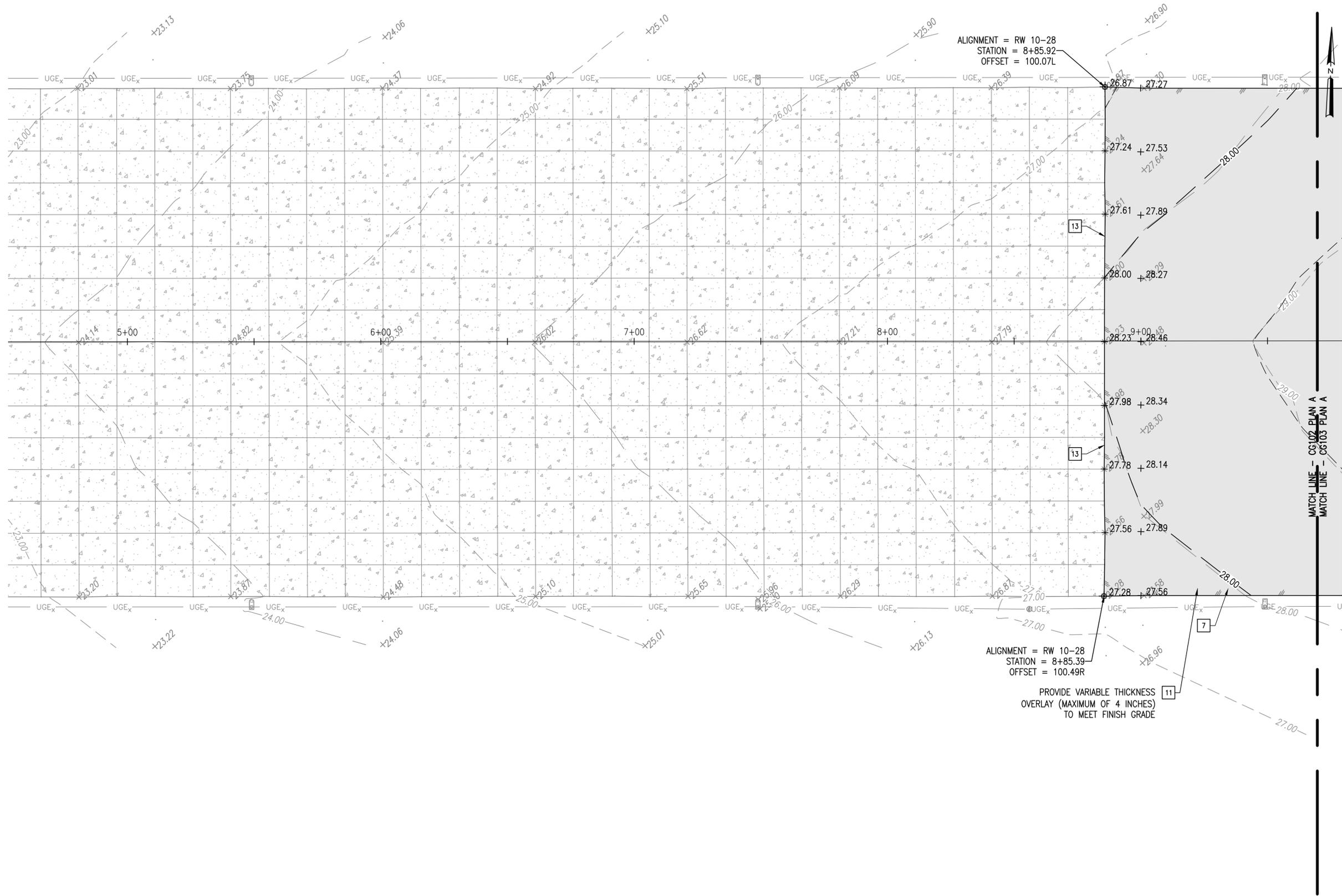
ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
NOT TO SCALE
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CD5

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
DEMOLITION DETAILS
PROJECT NUMBER: 1338474
DRAWING NO. 17039

SHEET NOTES

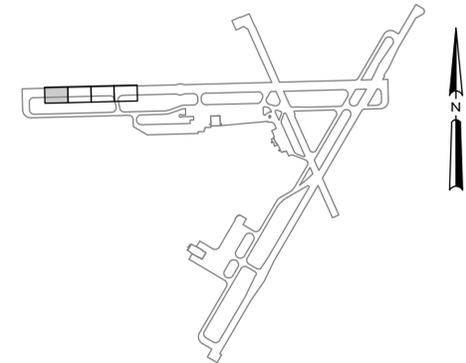
1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



ALIGNMENT = RW 10-28
STATION = 8+85.92
OFFSET = 100.07L

ALIGNMENT = RW 10-28
STATION = 8+85.39
OFFSET = 100.49R

PROVIDE VARIABLE THICKNESS
OVERLAY (MAXIMUM OF 4 INCHES)
TO MEET FINISH GRADE



A GRADING PLAN (1 OF 4)
1" = 20'

B KEY PLAN
NTS
CG102

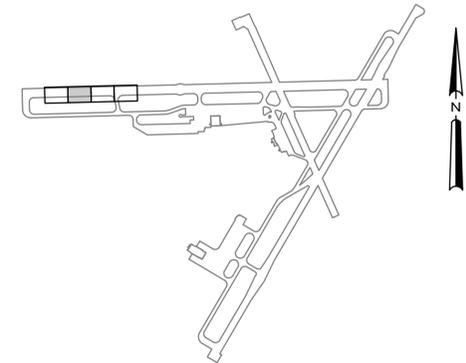
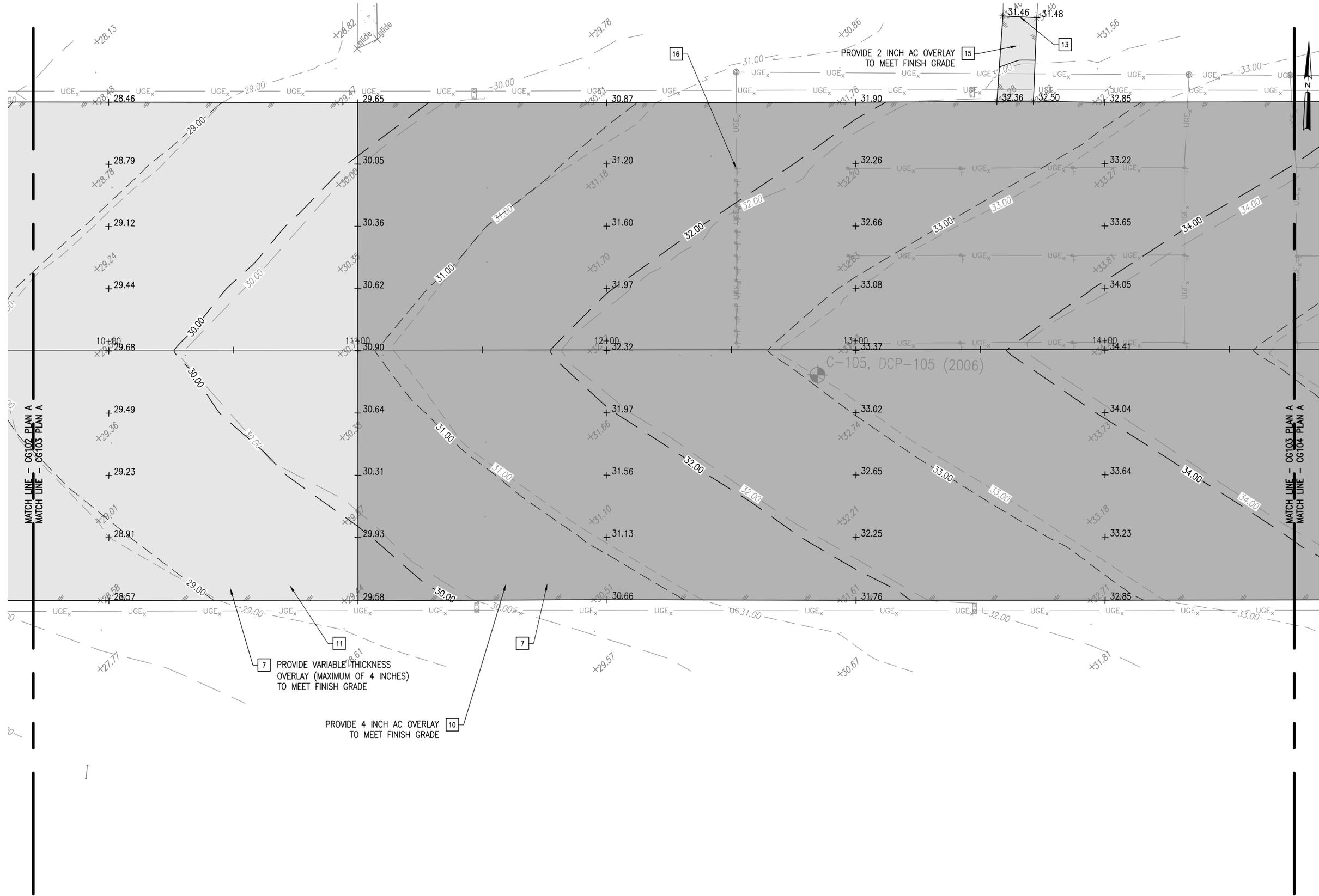
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.	PROJECT ENGINEER	NASA SAFETY	CONSTRUCTION MANAGEMENT	ENGINEERING APPROVAL	GRAPHIC SCALE	WALLOPS AIRFIELD REPAIR PROJECT FCLP PHASE II
						Julio C. P.P. 4/17/15	Nick Clayton	[Signature]	1"=20' 0' 20' 40'	GRADING PLAN
					SUBMITTED BY [Signature]	FIRE PROTECTION Julio C. P.P. 4/17/15	O & M [Signature]	ENGINEERING GROUP LEADER [Signature]	AUTOCAD - RELEASE 2010 FILE NAME: '2-1337236-CG1	PROJECT NUMBER: 1338474
					PROJECT MANAGER			BRANCH APPROVAL Blum & Pfl BRANCH HEAD	SCALE 1" = 20'	DR. STH
									SHEET 26 OF 22	DATE: REVISID:
										DRAWING NO. 17040

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A GRADING PLAN (2 OF 4)
1" = 20'

B KEY PLAN
NTS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

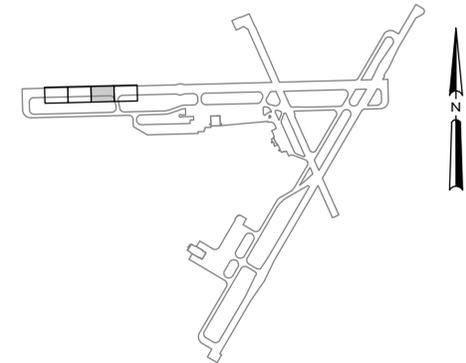
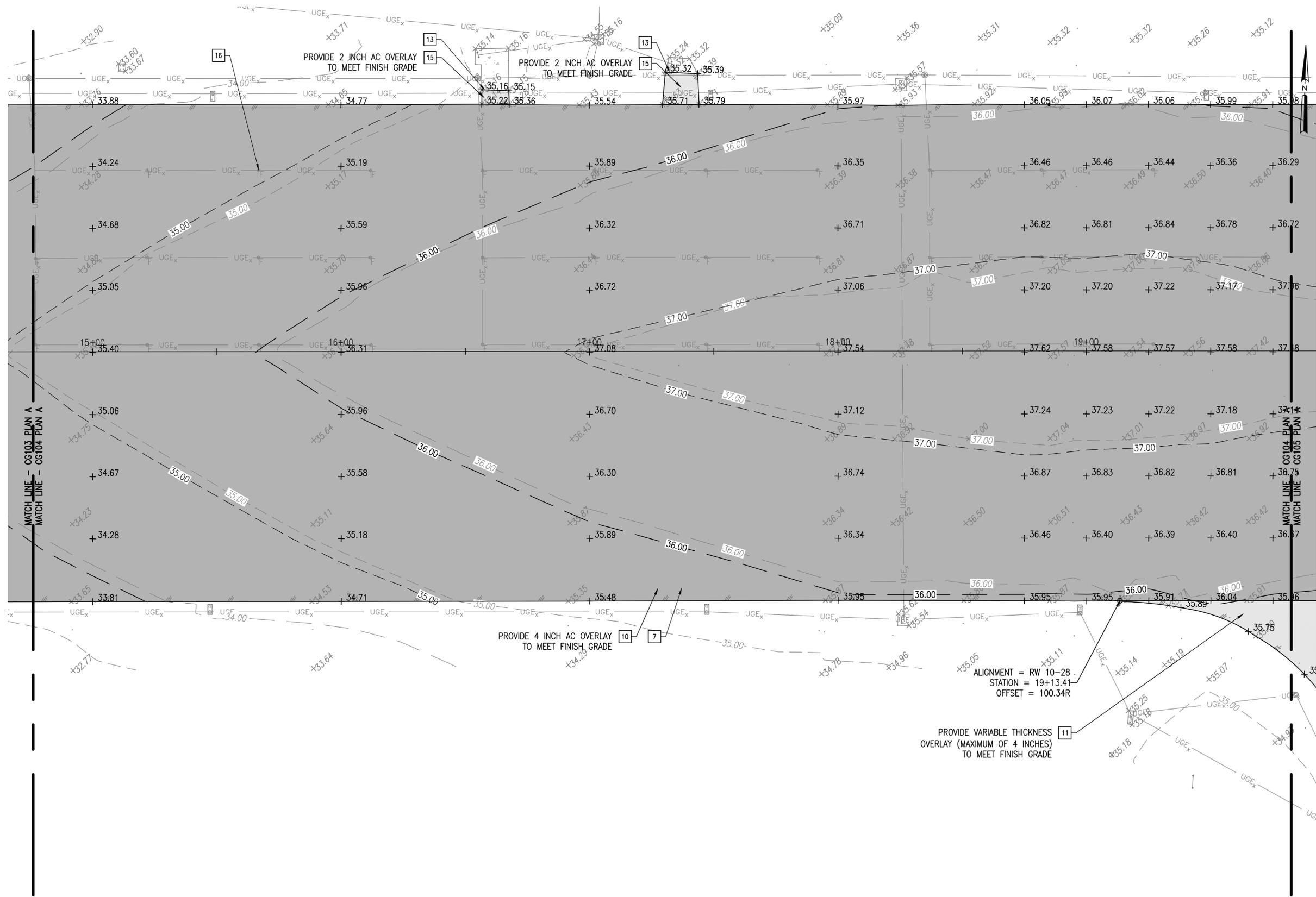
ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CG1

Wallops Airfield Repair Project
FCLP Phase II
GRADING PLAN
PROJECT NUMBER: 1338474
DRAWING NO. 17041

SHEET NOTES

- SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
- SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A GRADING PLAN (3 OF 4)
1" = 20'

B KEY PLAN
NTS
CG104

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

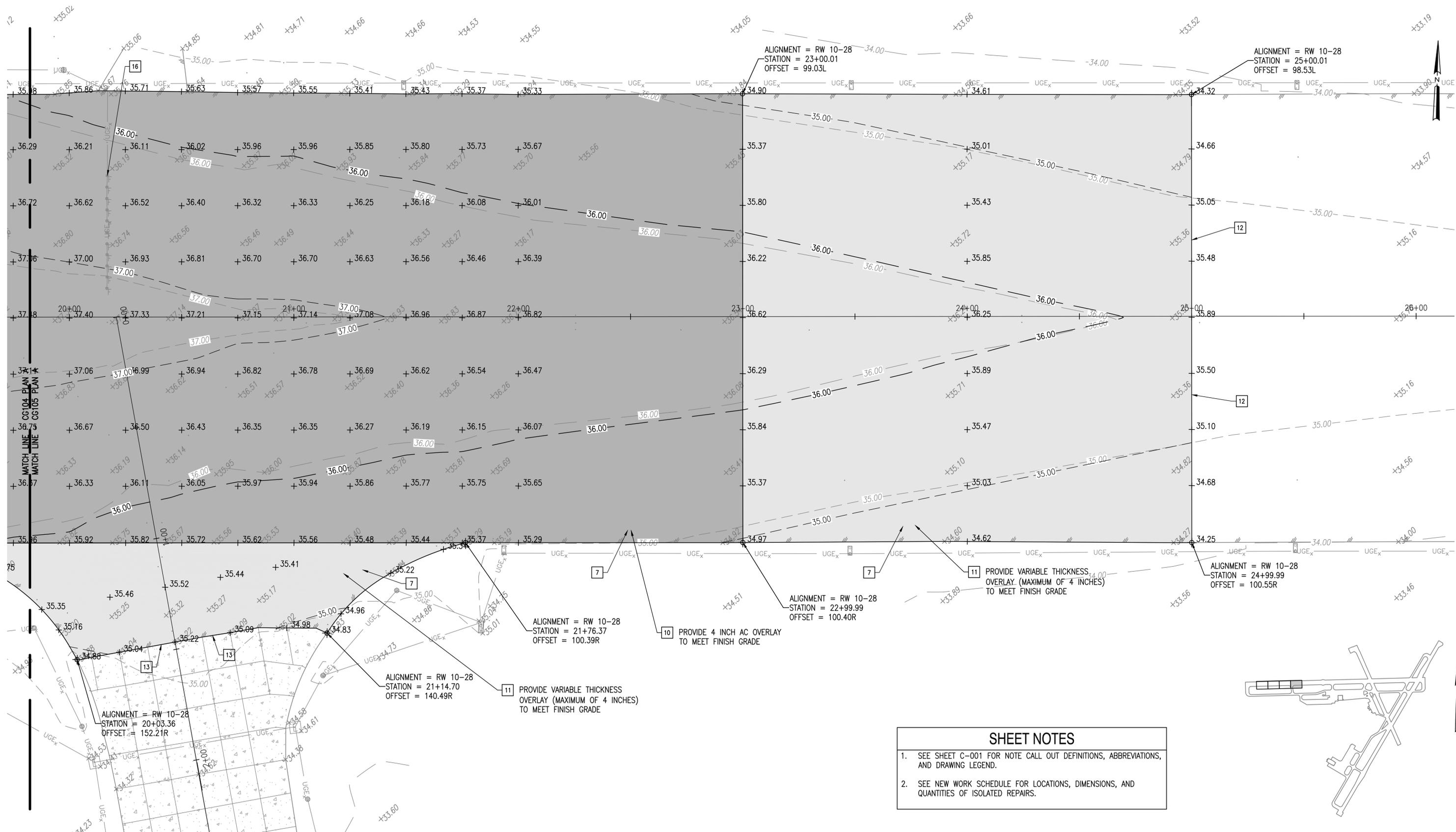
NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CG1

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
GRADING PLAN
PROJECT NUMBER: 1338474
DRAWING NO. 17042



SHEET NOTES

- SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
- SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.

A GRADING PLAN (4 OF 5)
1" = 20'

B KEY PLAN
NTS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

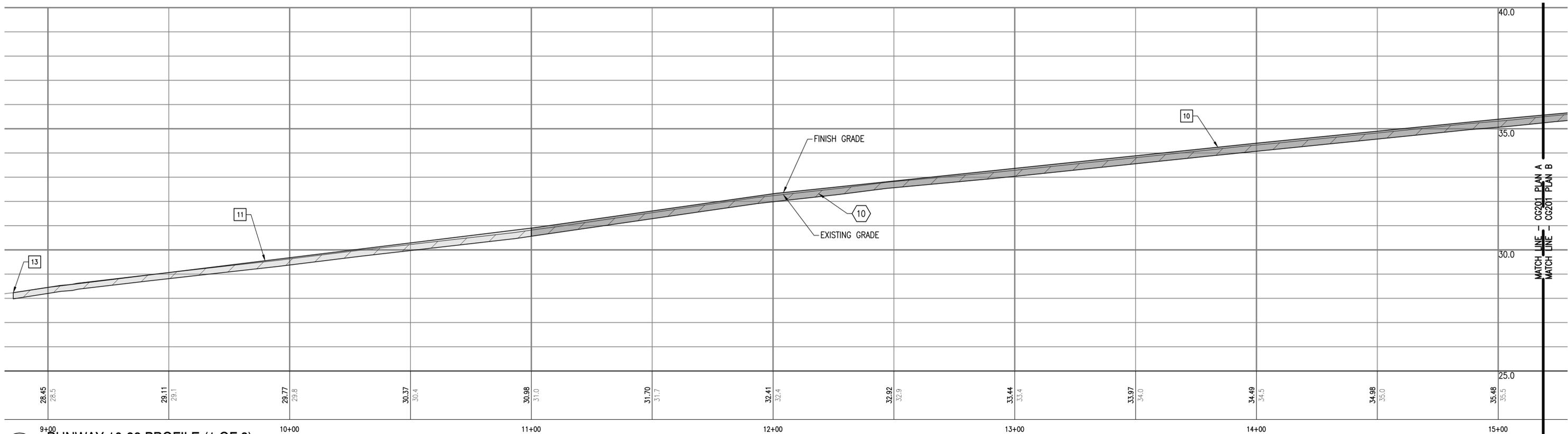
CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

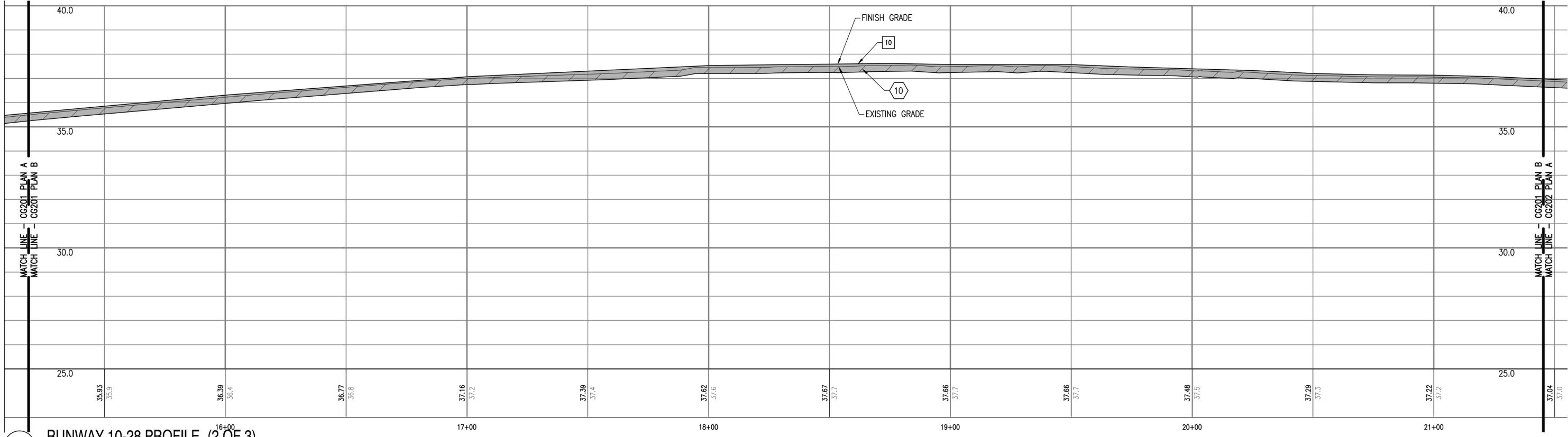
GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CG1

Wallops Airfield Repair Project
FCLP Phase II
GRADING PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISD:

CG105
17043



A RUNWAY 10-28 PROFILE (1 OF 3)
SCALE: 1" = 0.5' VERTICAL, 1" = 20' HORIZONTAL



B RUNWAY 10-28 PROFILE (2 OF 3)
SCALE: 1" = 0.5' VERTICAL, 1" = 20' HORIZONTAL

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

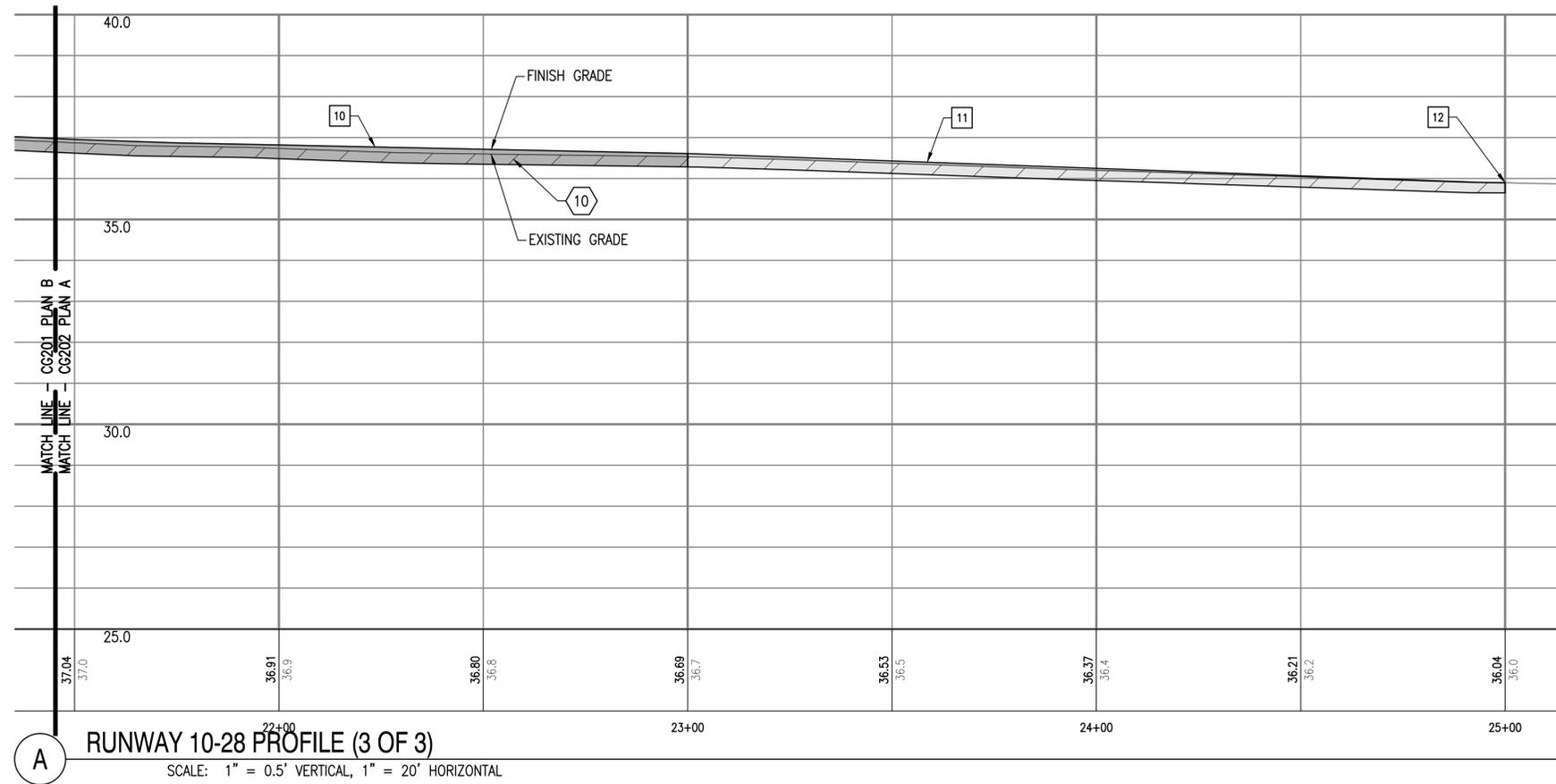
CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20' 0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CG2
SCALE
1" = 20'
SHEET 30 OF 72

Wallops Airfield Repair Project
FCLP Phase II
RUNWAY 10-28 PROFILE
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:

CG201
DRAWING NO.
17044



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 GODDARD SPACE FLIGHT CENTER
 WALLOPS FLIGHT FACILITY
 WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
 SUBMITTED BY: *[Signature]*
 PROJECT MANAGER

NASA SAFETY
[Signature]
 FIRE PROTECTION
[Signature]

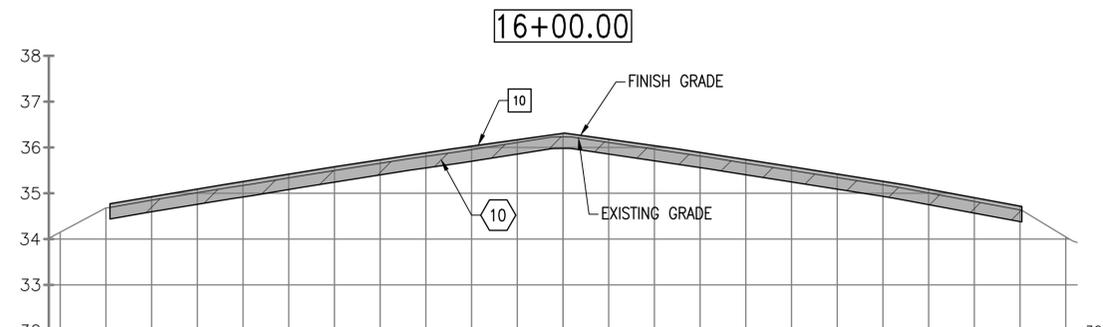
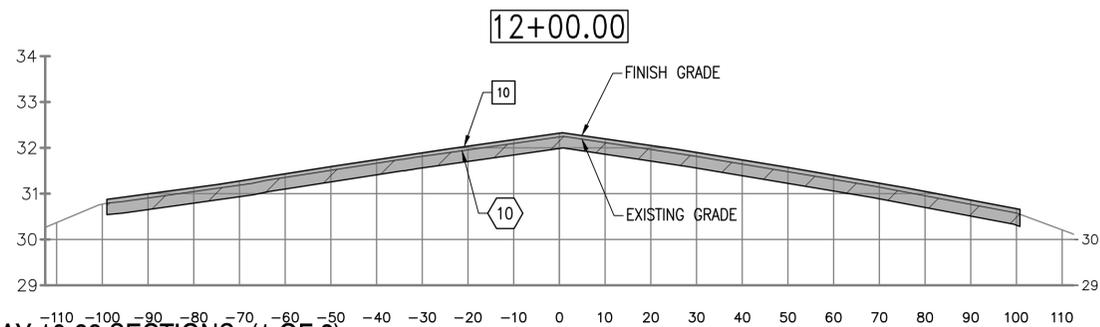
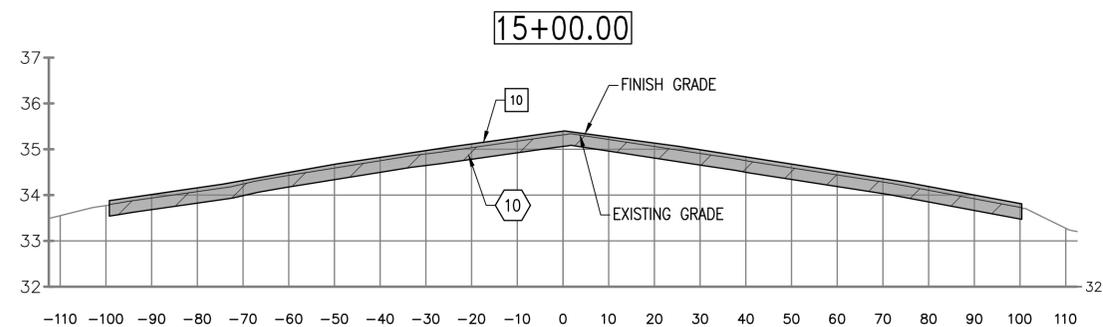
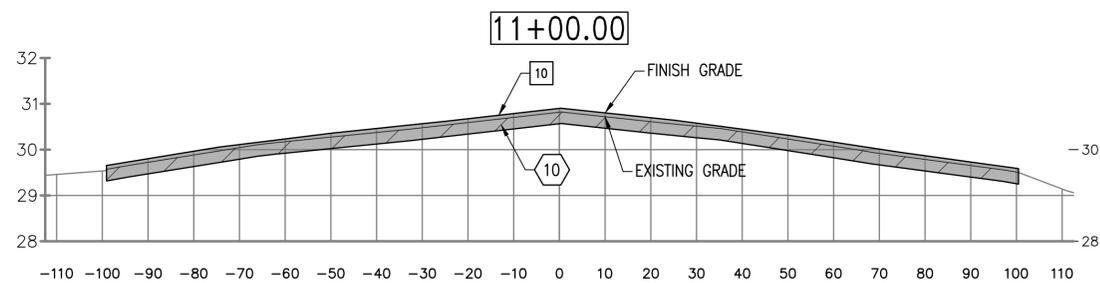
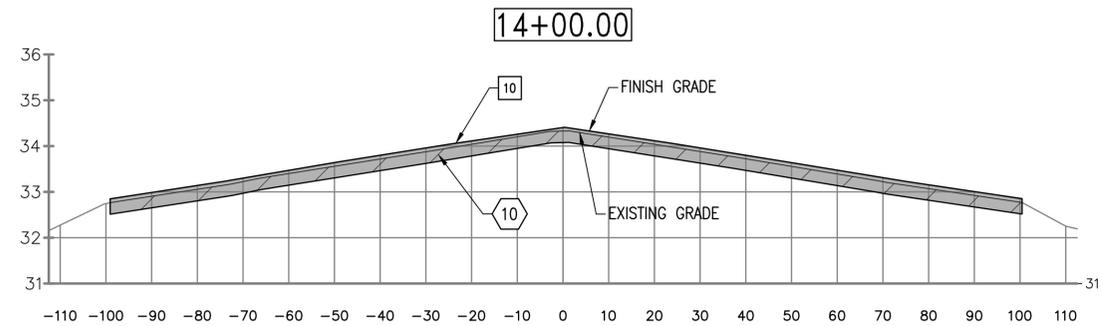
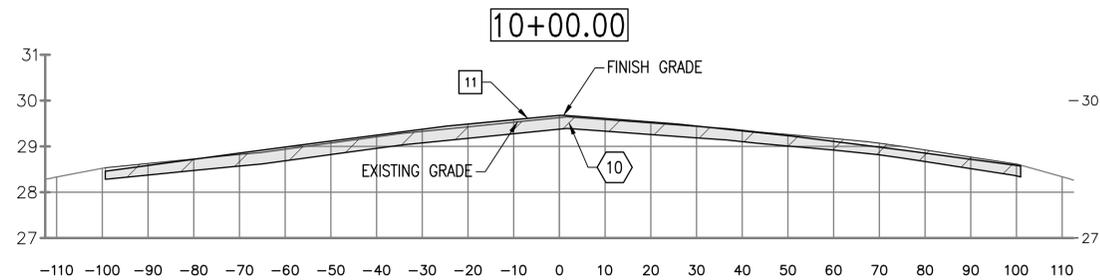
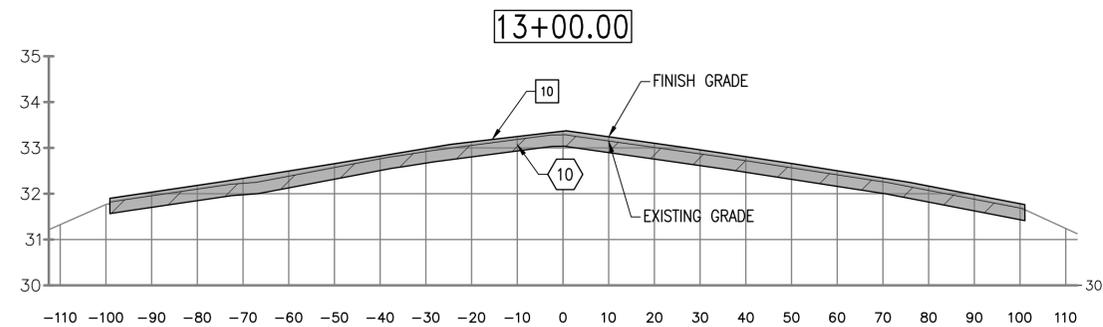
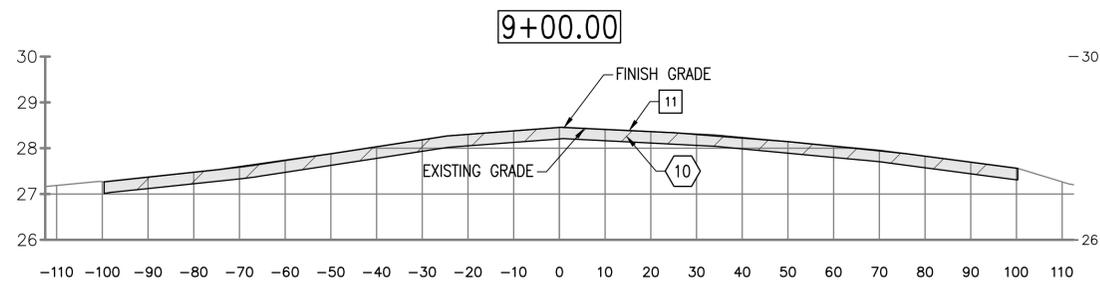
CONSTRUCTION MANAGEMENT
[Signature]
 O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
 ENGINEERING GROUP LEADER
 BRANCH APPROVAL
[Signature]
 BRANCH HEAD

GRAPHIC SCALE
 1" = 20' 0' 20' 40'
 AUTOCAD - RELEASE 2010
 FILE NAME: '2-1337236-CG2
 SCALE
 1" = 20'
 SHEET 31 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
 FCLP PHASE II
RUNWAY 10-28 PROFILE
 PROJECT NUMBER: 1338474
 DR. STH
 CK. LMH
 DATE:
 REVISED:
 DRAWING NO.
17045

CG202



A

RUNWAY 10-28 SECTIONS (1 OF 2)

SCALE: 1" = 0.5' VERTICAL, 1" = 20' HORIZONTAL

CG301

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

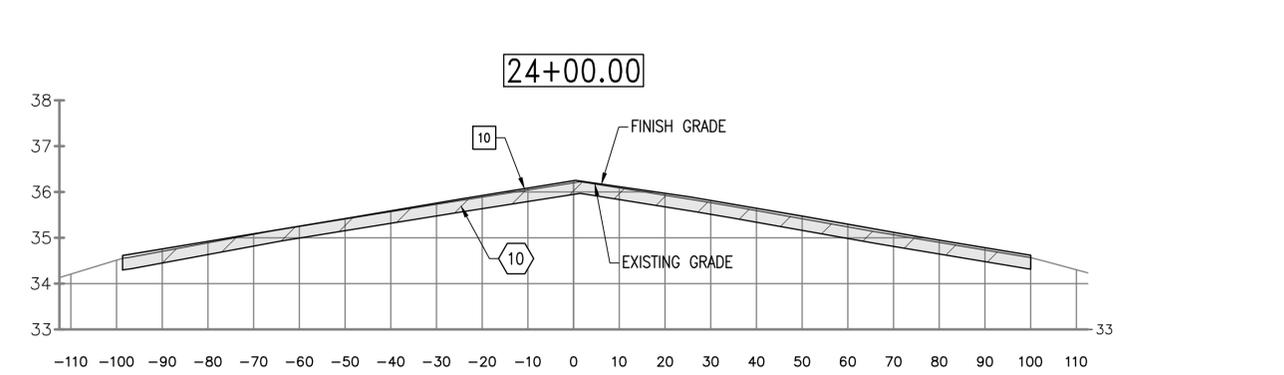
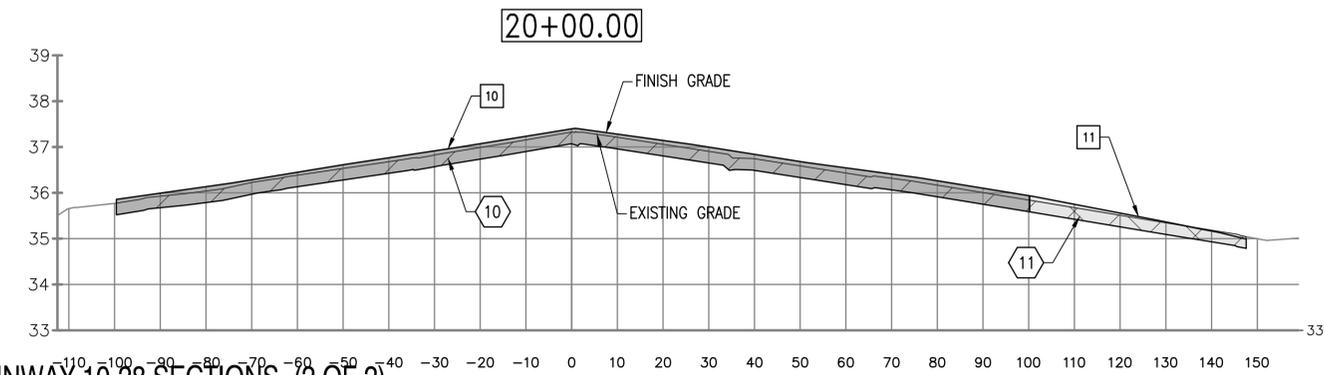
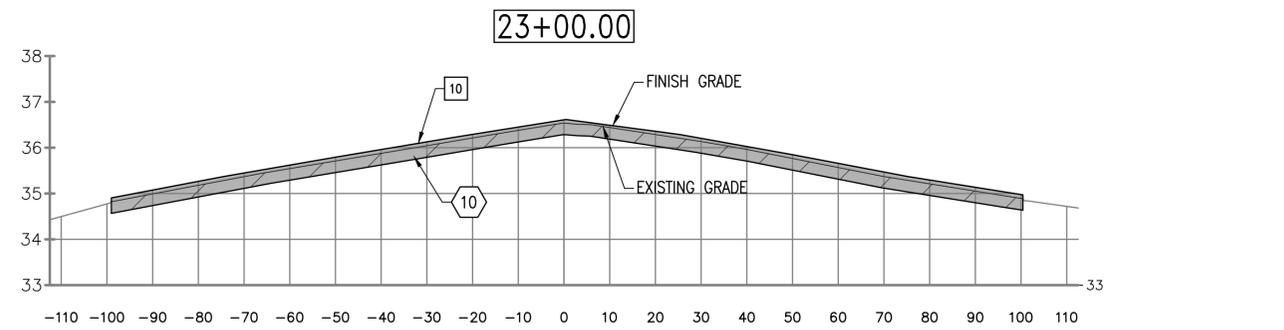
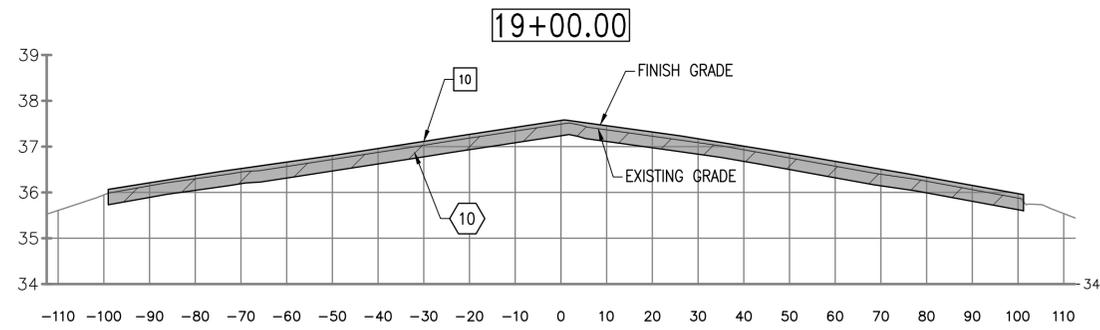
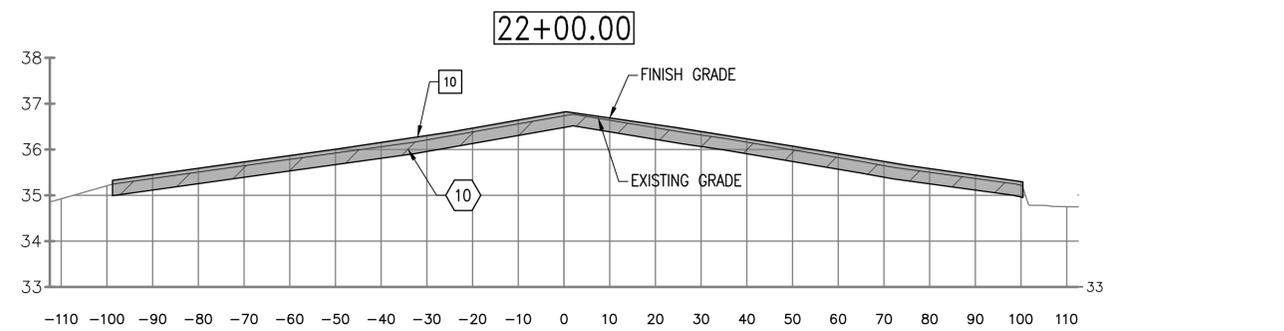
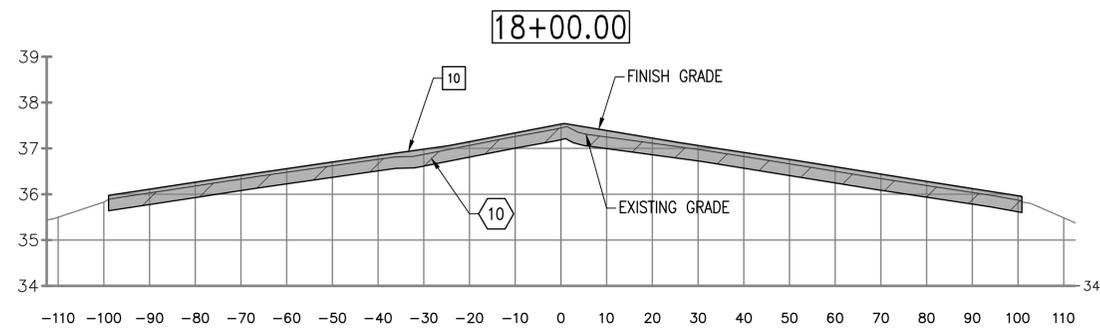
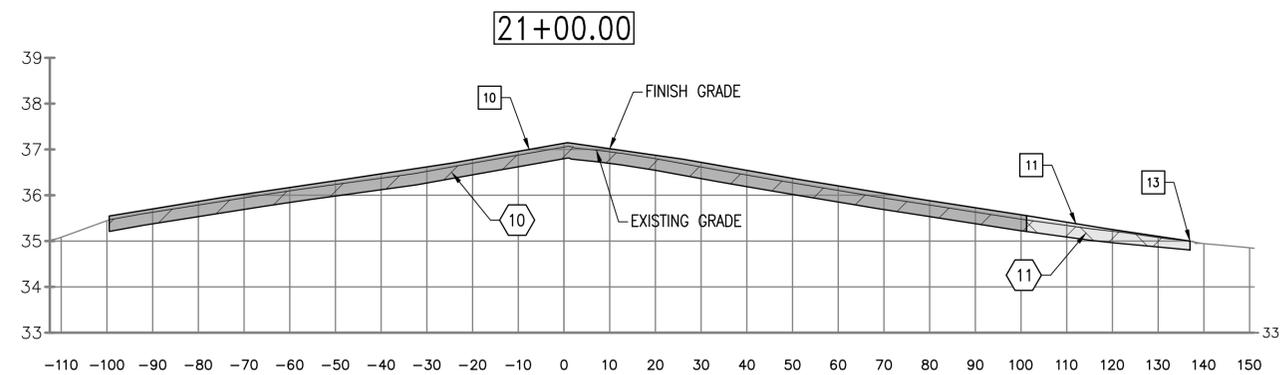
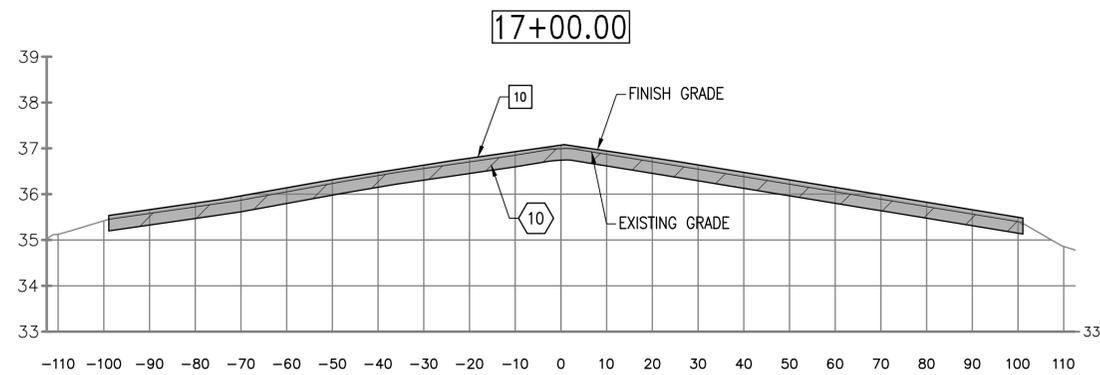
NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CG3
SCALE
1" = 20'
SHEET 32 OF 72

Wallops Airfield Repair Project
FCLP Phase II
RUNWAY 10-28 SECTIONS
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO. 17046



A

RUNWAY 10-28 SECTIONS (2 OF 2)

SCALE: 1" = 0.5' VERTICAL, 1" = 20' HORIZONTAL

CG302

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

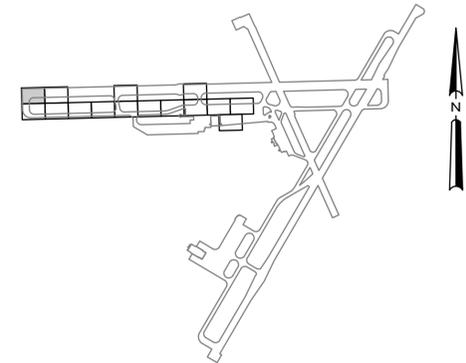
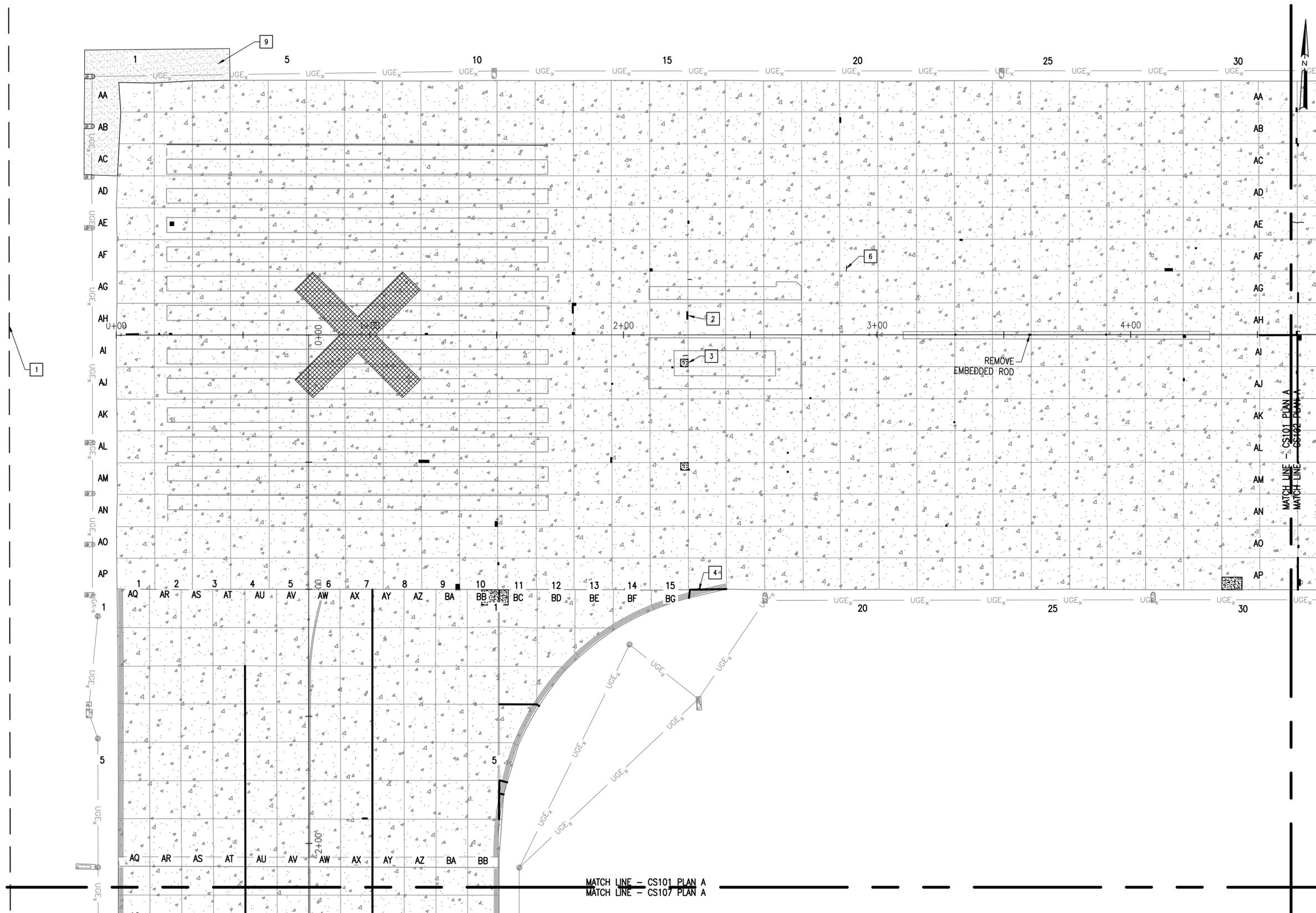
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CG3
SCALE
1" = 20'
SHEET 33 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
RUNWAY 10-28 SECTIONS
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17047

SHEET NOTES

- SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
- SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (1 OF 15)
1" = 20'

B KEY PLAN
NTS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

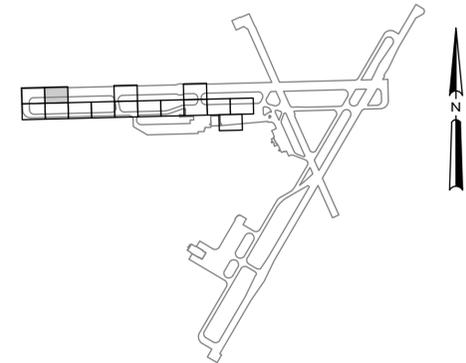
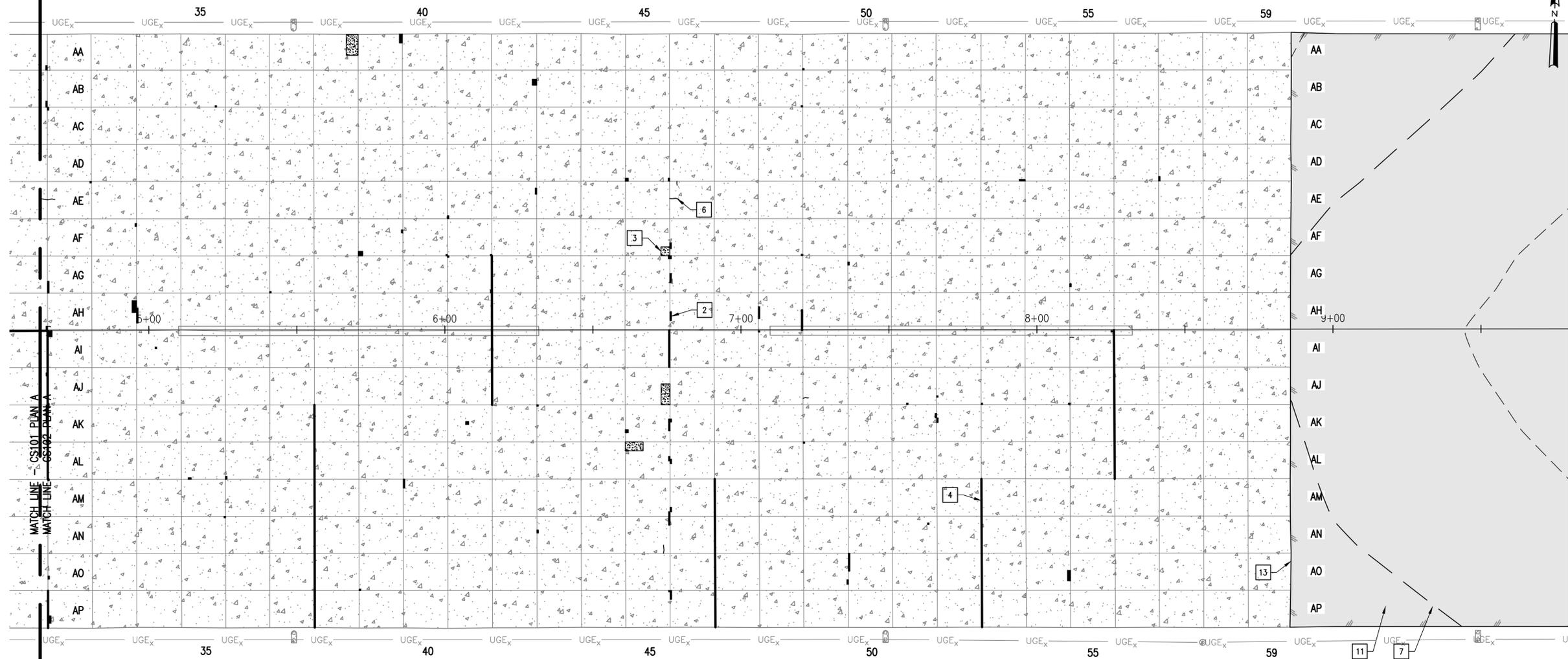
GRAPHIC SCALE
1" = 20'
0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1
SCALE
1" = 20'
SHEET 34 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
REPAIR PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17048

CS101

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



MATCH LINE - CS102 PLAN A
MATCH LINE - CS108 PLAN A

A REPAIR PLAN (2 OF 15)
1" = 20'

B KEY PLAN
NTS

CS102

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

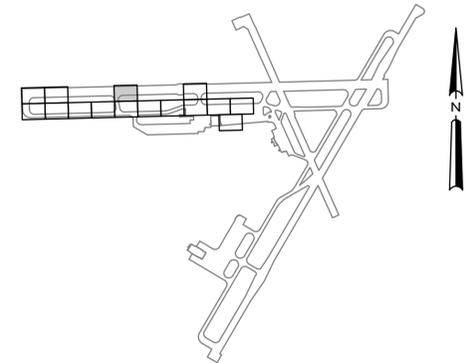
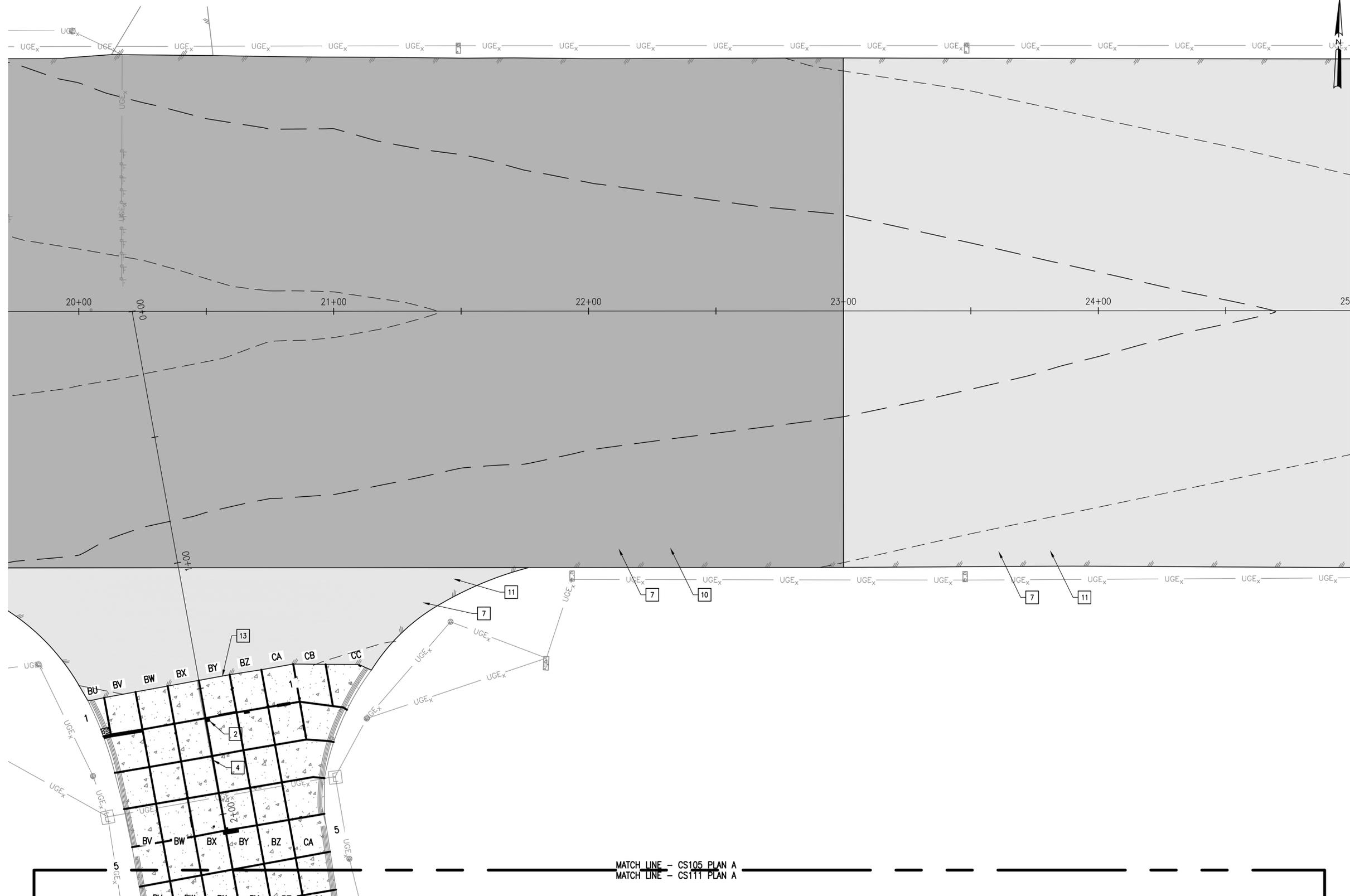
ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1
SCALE
1" = 20'
SHEET 35 OF 72

Wallops Airfield Repair Project
FCLP Phase II
REPAIR PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17049

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (3 OF 15)
1" = 20'

B KEY PLAN
NTS

CS105

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

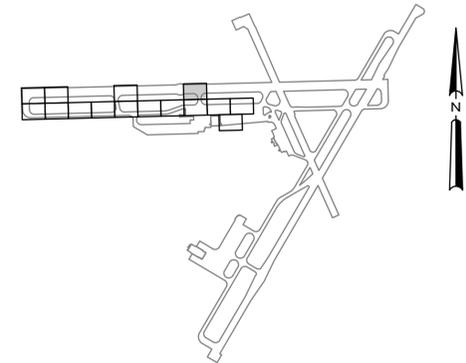
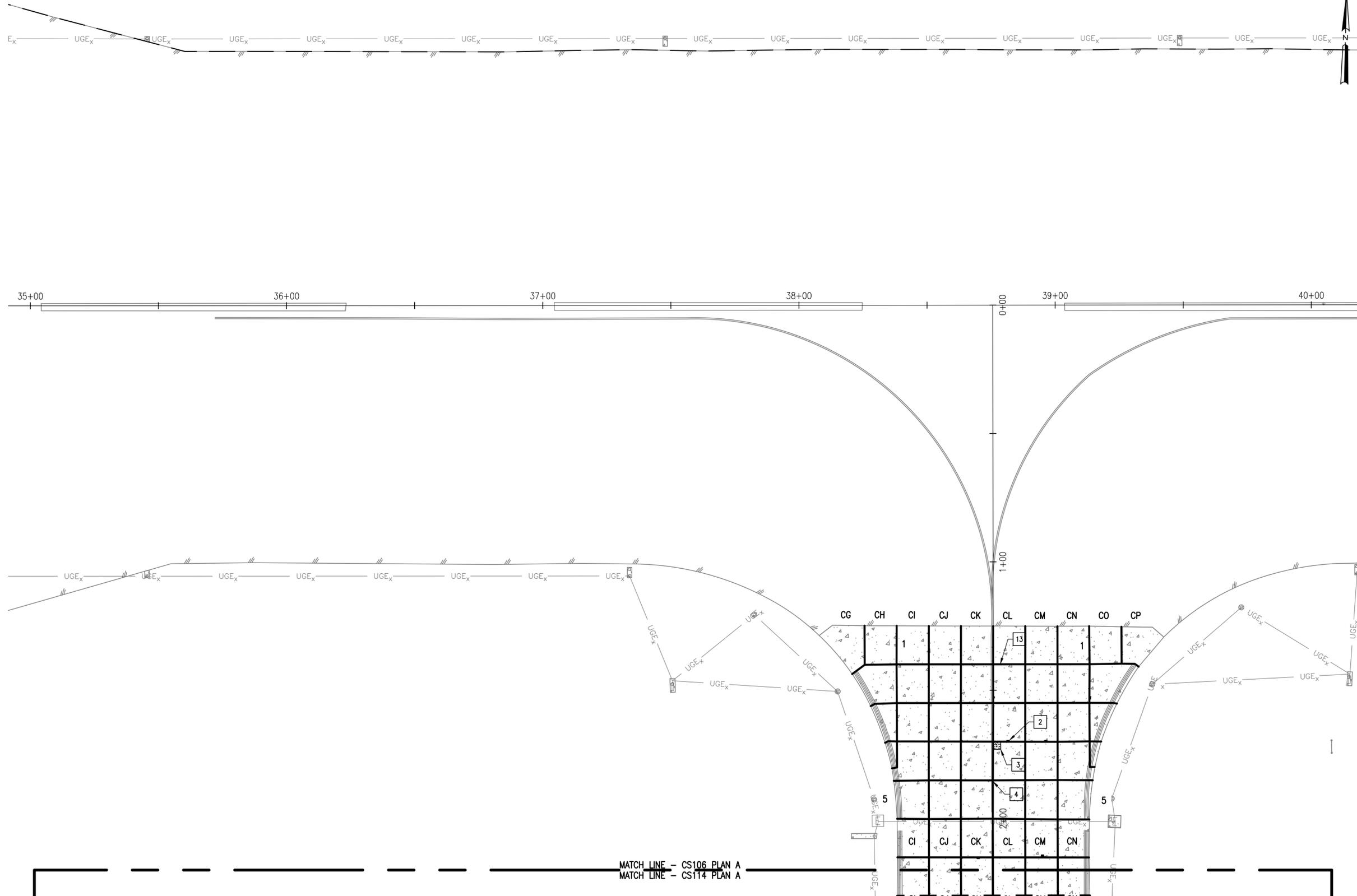
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1
SCALE
1" = 20'
SHEET 36 OF 72

Wallops Airfield Repair Project
FCLP Phase II
REPAIR PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17050

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (4 OF 15)
1" = 20'

B KEY PLAN
NTS

CS106

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

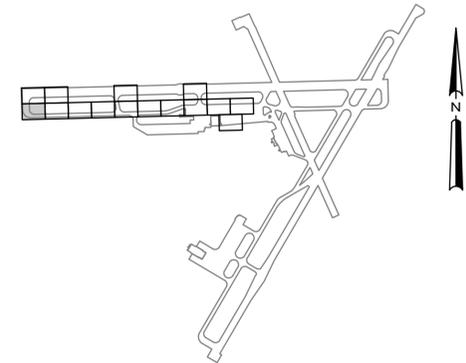
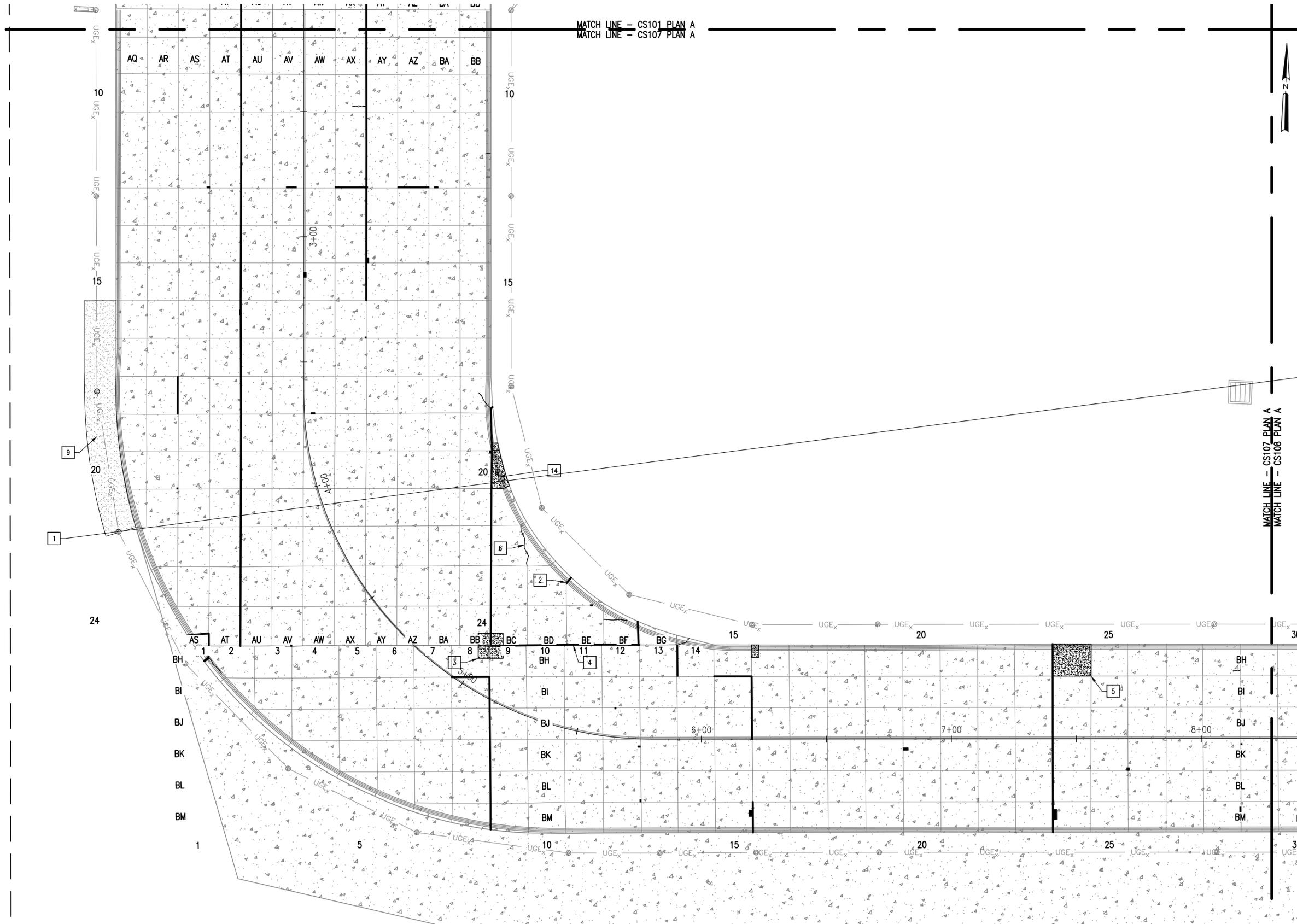
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1
SCALE
1" = 20'
SHEET 37 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
REPAIR PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17051

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (5 OF 15)
1" = 20'

B KEY PLAN
NTS

CS107

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1
SCALE
1" = 20'
SHEET 38 OF 72

Wallops Airfield Repair Project
FCLP Phase II
REPAIR PLAN
PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISIONS:
DRAWING NO.
17052

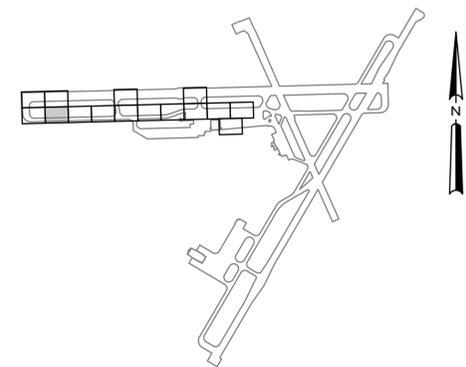
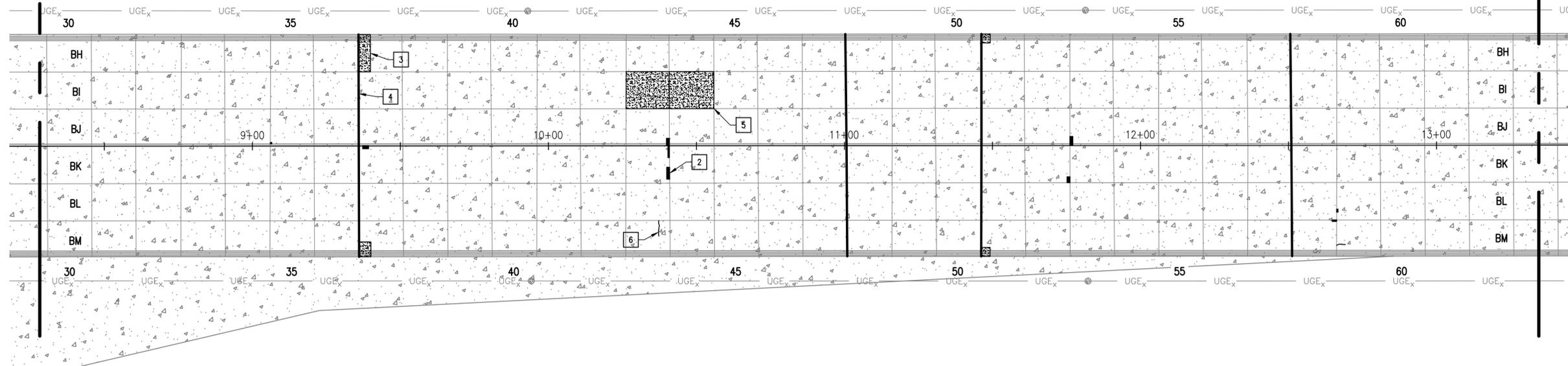
SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.

MATCH LINE - CS102 PLAN A
 MATCH LINE - CS108 PLAN A

MATCH LINE - CS107 PLAN A
 MATCH LINE - CS108 PLAN A

MATCH LINE - CS108 PLAN A
 MATCH LINE - CS109 PLAN A



A REPAIR PLAN (6 OF 15)
 1" = 20'

B KEY PLAN
 NTS

CS108

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 GODDARD SPACE FLIGHT CENTER
 WALLOPS FLIGHT FACILITY
 WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
 SUBMITTED BY *[Signature]*
 PROJECT MANAGER

NASA SAFETY
[Signature]
 FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
 O & M
[Signature]

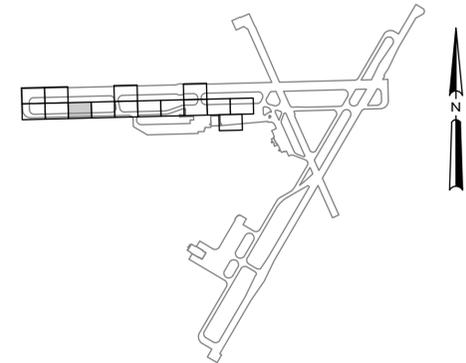
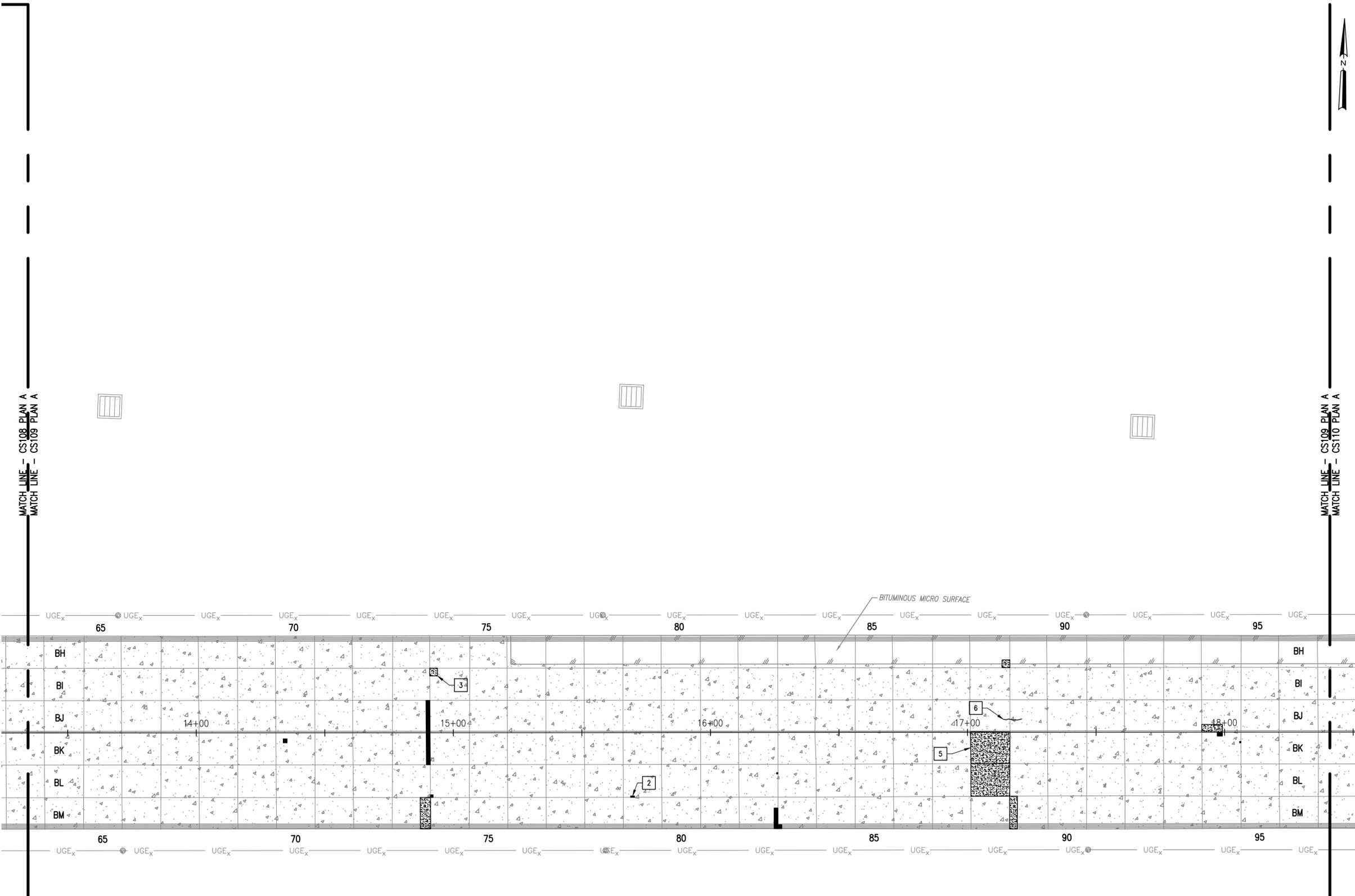
ENGINEERING APPROVAL
[Signature]
 ENGINEERING GROUP LEADER
 BRANCH APPROVAL
[Signature]
 BRANCH HEAD

GRAPHIC SCALE
 1" = 20' 0' 20' 40'
 AUTOCAD - RELEASE 2010
 FILE NAME: '2-1337236-CS1
 SCALE
 1" = 20'
 SHEET 39 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
 FCLP PHASE II
 REPAIR PLAN
 PROJECT NUMBER: 1338474
 DR. STH
 CK. LMH
 DATE:
 REVISID:
 DRAWING NO.
17053

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (7 OF 15)
1" = 20'

B KEY PLAN
NTS

CS109

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER

SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

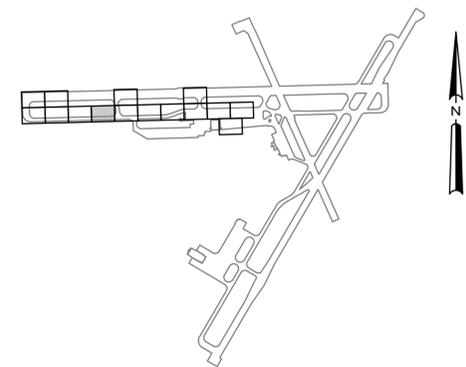
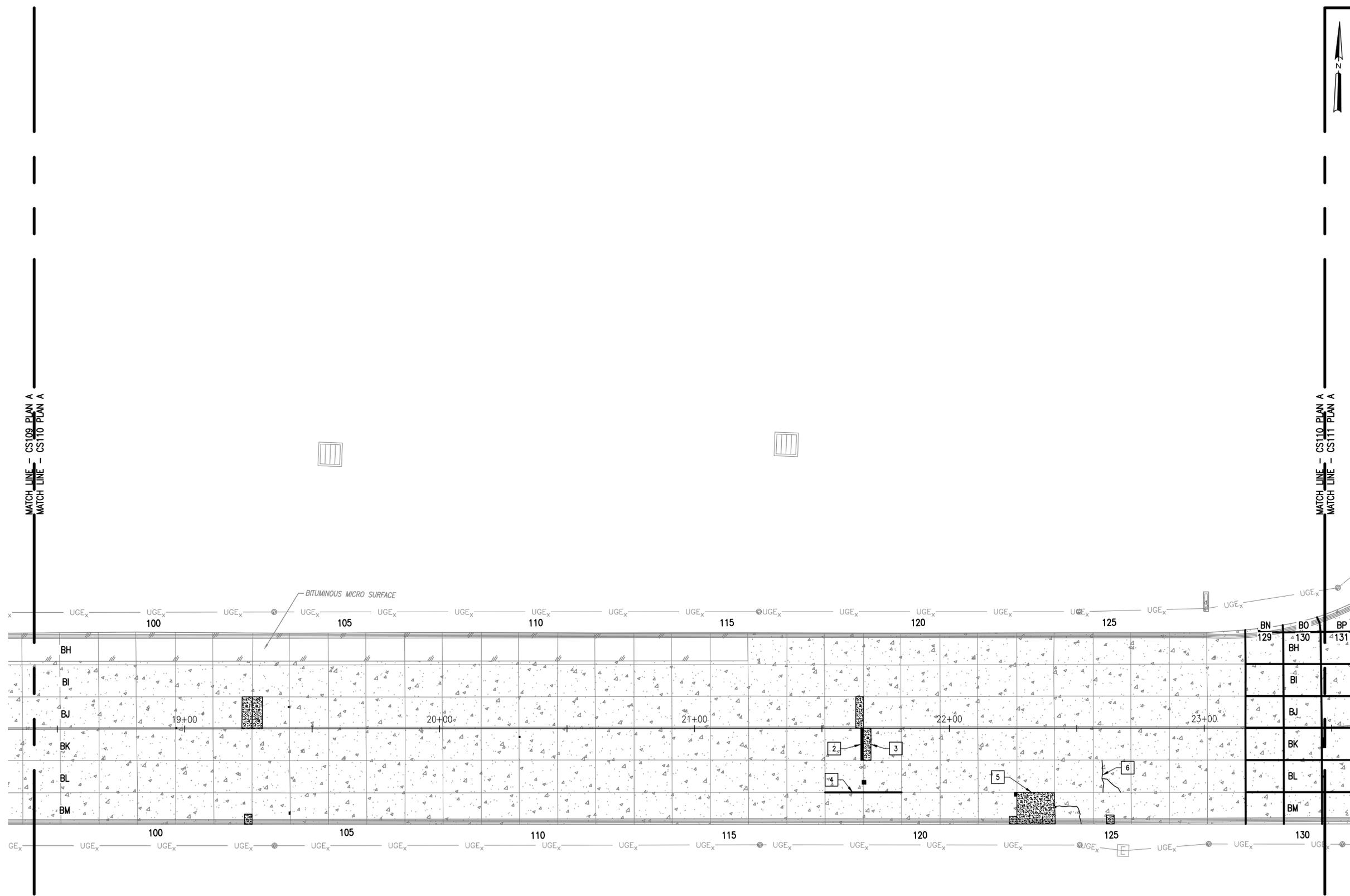
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20' 0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1
SCALE
1" = 20'
SHEET 40 OF 72

Wallops Airfield Repair Project
FCLP Phase II
REPAIR PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17054

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (8 OF 15)
1" = 20'

B KEY PLAN
NTS

CS110

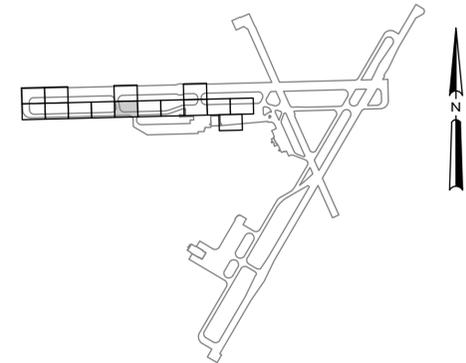
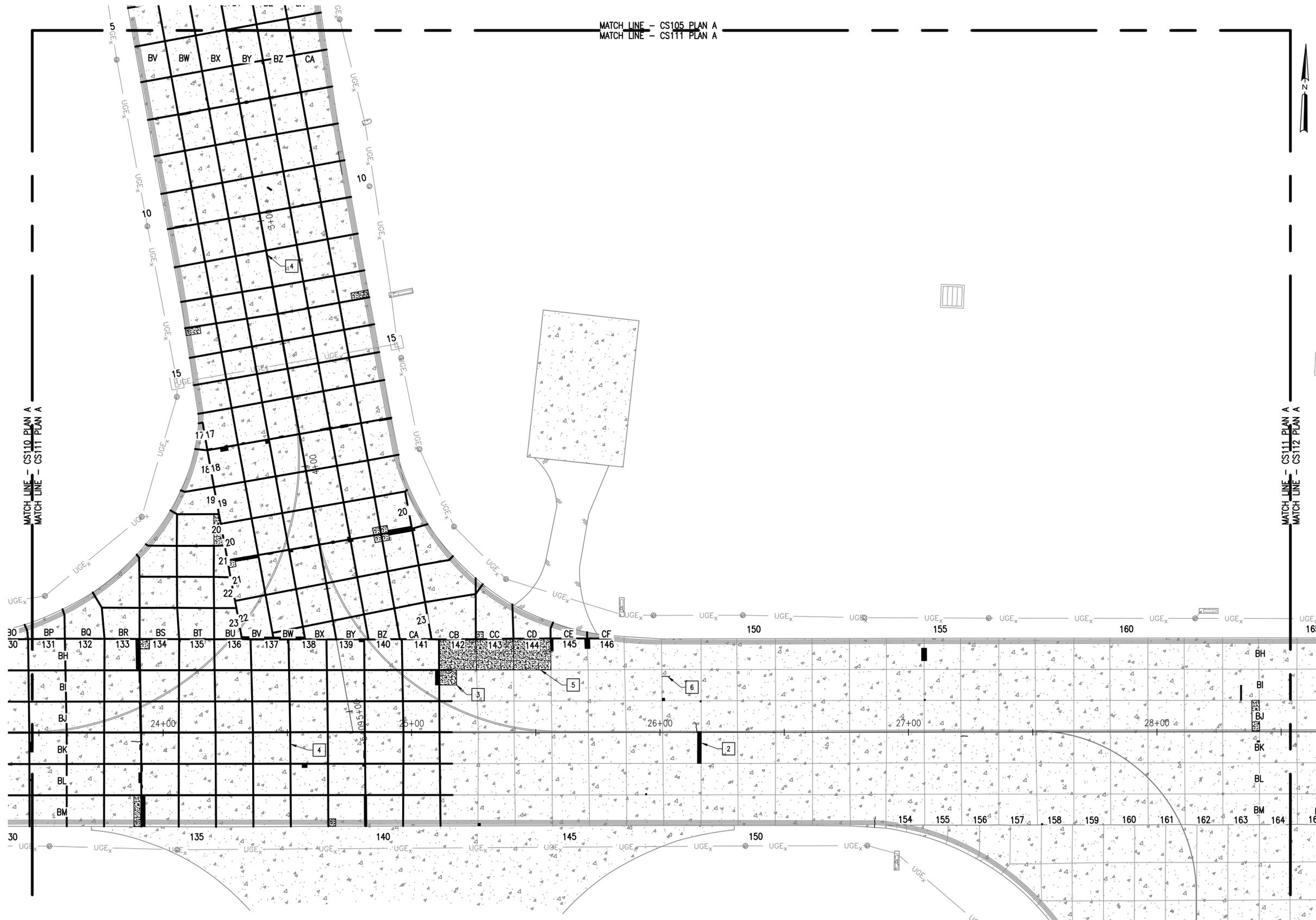
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.	PROJECT ENGINEER	NASA SAFETY	CONSTRUCTION MANAGEMENT	ENGINEERING APPROVAL	GRAPHIC SCALE	Wallops Airfield Repair Project FCLP Phase II REPAIR PLAN		
						Julio C. P.P. 4/17/15	Nick Clayton	[Signature]	1"=20' 0' 20' 40'	PROJECT NUMBER: 1338474		
					SUBMITTED BY [Signature]	FIRE PROTECTION Julio C. P.P. 4/17/15	O & M [Signature]	BRANCH APPROVAL [Signature]	AUTOCAD - RELEASE 2010 FILE NAME: '2-1337236-CS1	SCALE 1" = 20'	DR. STH	DATE:
					PROJECT MANAGER			BRANCH HEAD	SHEET 41 OF 72	CK. LMH	REVISID:	DRAWING NO. 17055

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (9 OF 15)
1" = 20'

B KEY PLAN
NTS

CS111

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

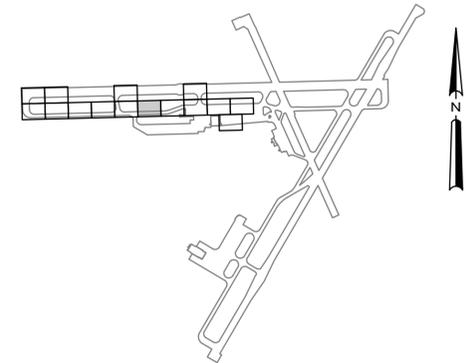
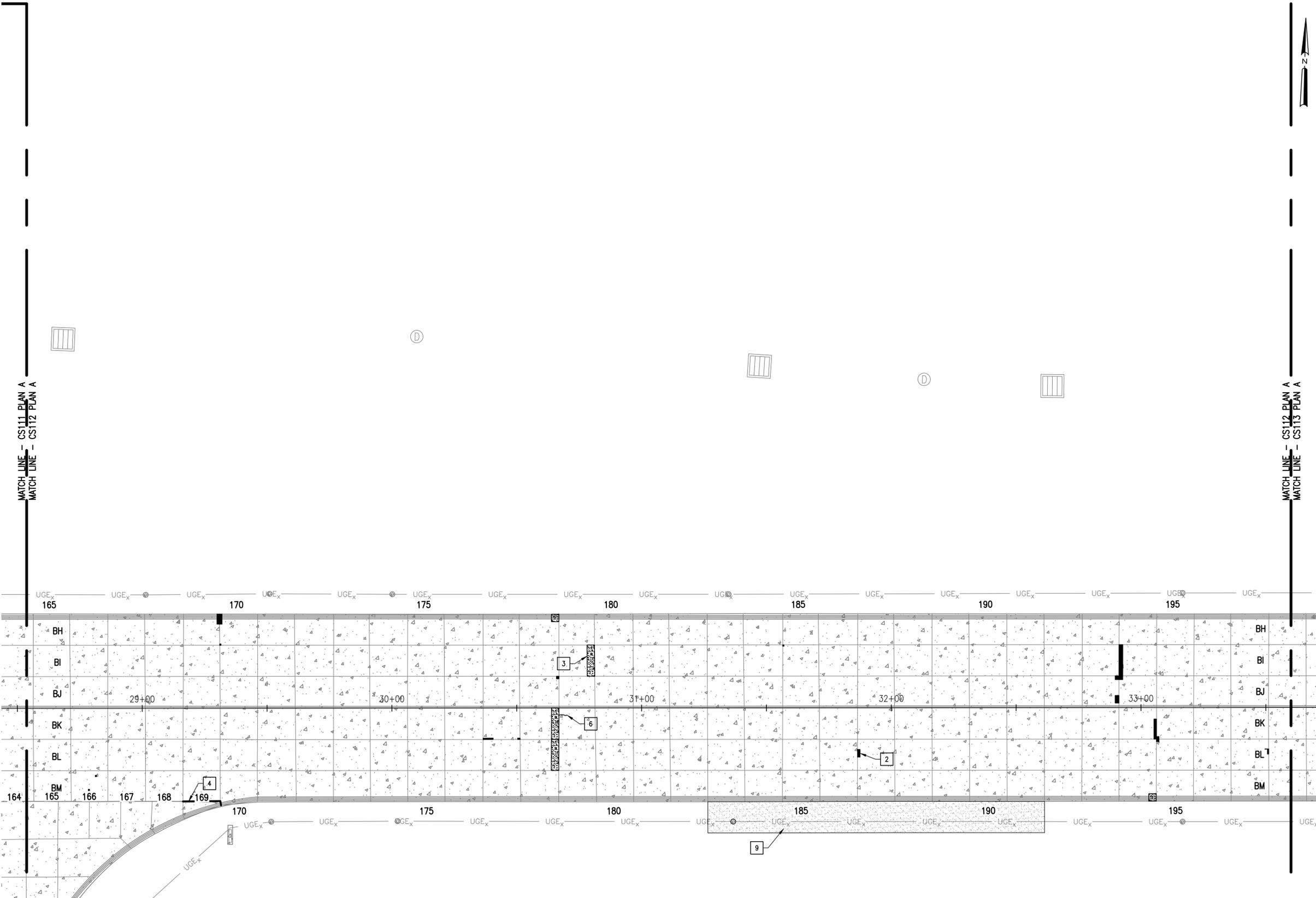
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1
SCALE
1" = 20'
SHEET 42 OF 72

Wallops Airfield Repair Project
FCLP Phase II
REPAIR PLAN
PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISIONS:
DRAWING NO. 17056

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (10 OF 15)
1" = 20'

B KEY PLAN
NTS

CS112

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER

SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

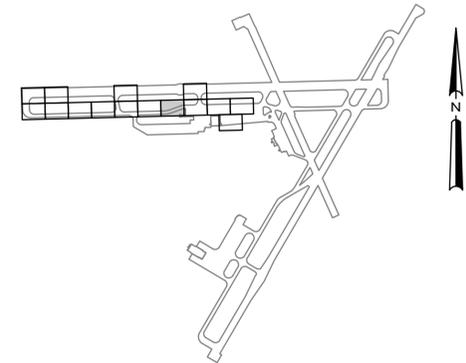
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20' 0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1
SCALE
1" = 20'
SHEET 43 OF 72

Wallops Airfield Repair Project
FCLP Phase II
REPAIR PLAN
PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISED:
DRAWING NO.
17057

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (11 OF 15)
1" = 20'

B KEY PLAN
NTS

CS113

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER

SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

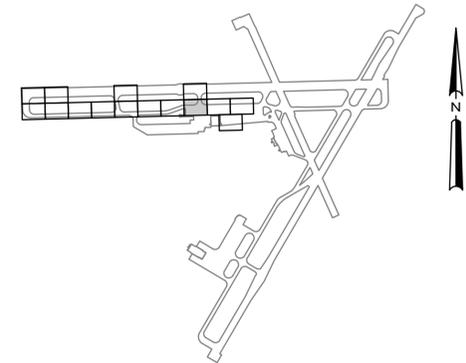
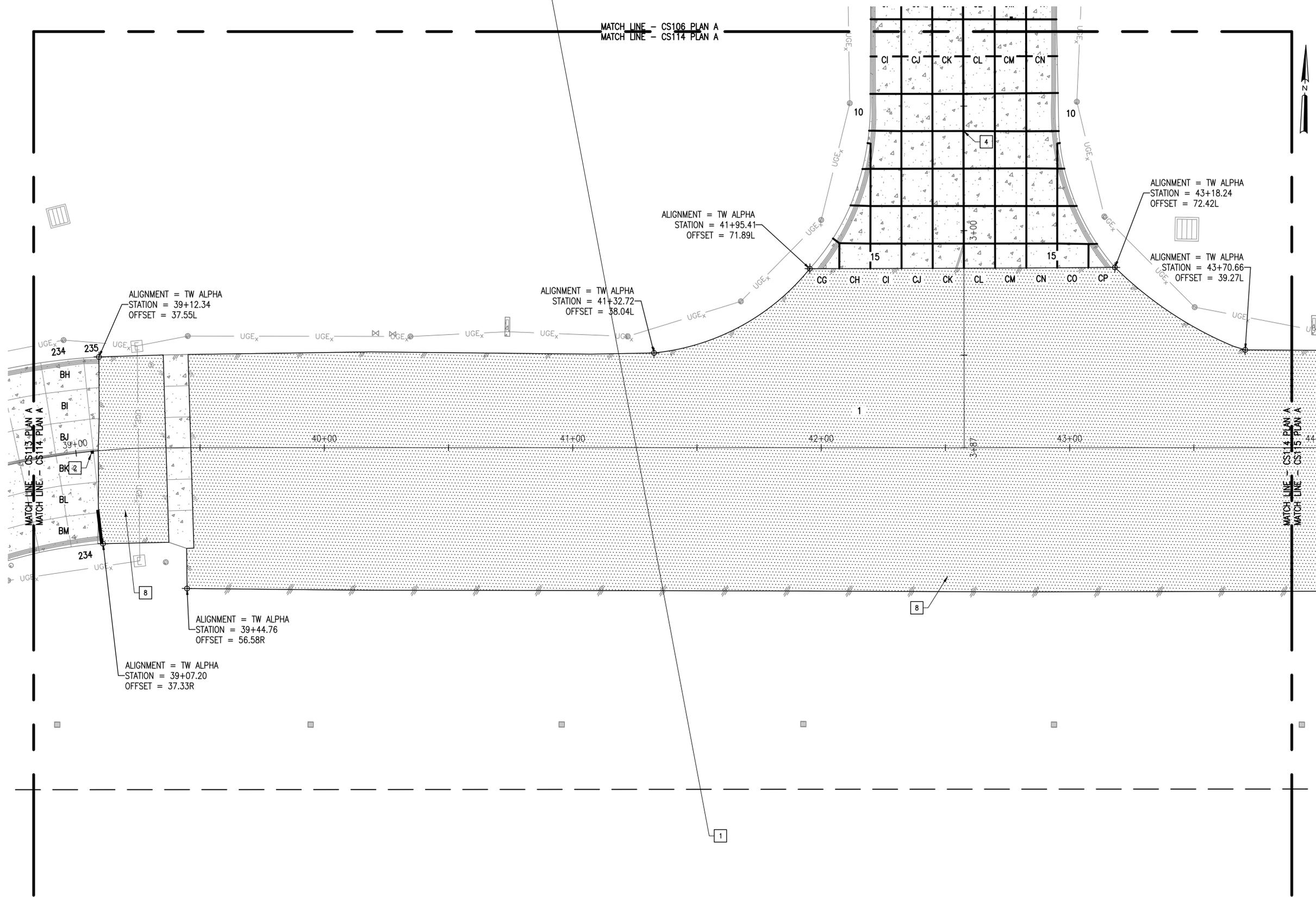
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
0' 20' 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1
SCALE
1" = 20'
SHEET 44 OF 72

Wallops Airfield Repair Project
FCLP Phase II
REPAIR PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17058

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (12 OF 15)
1" = 20'

B KEY PLAN
NTS

CS114

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

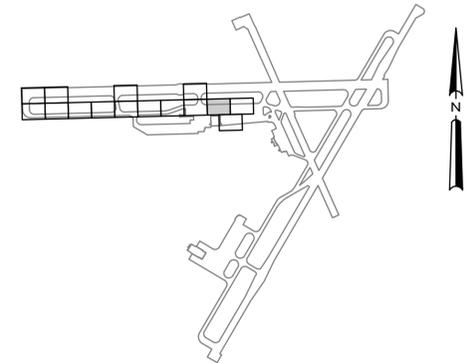
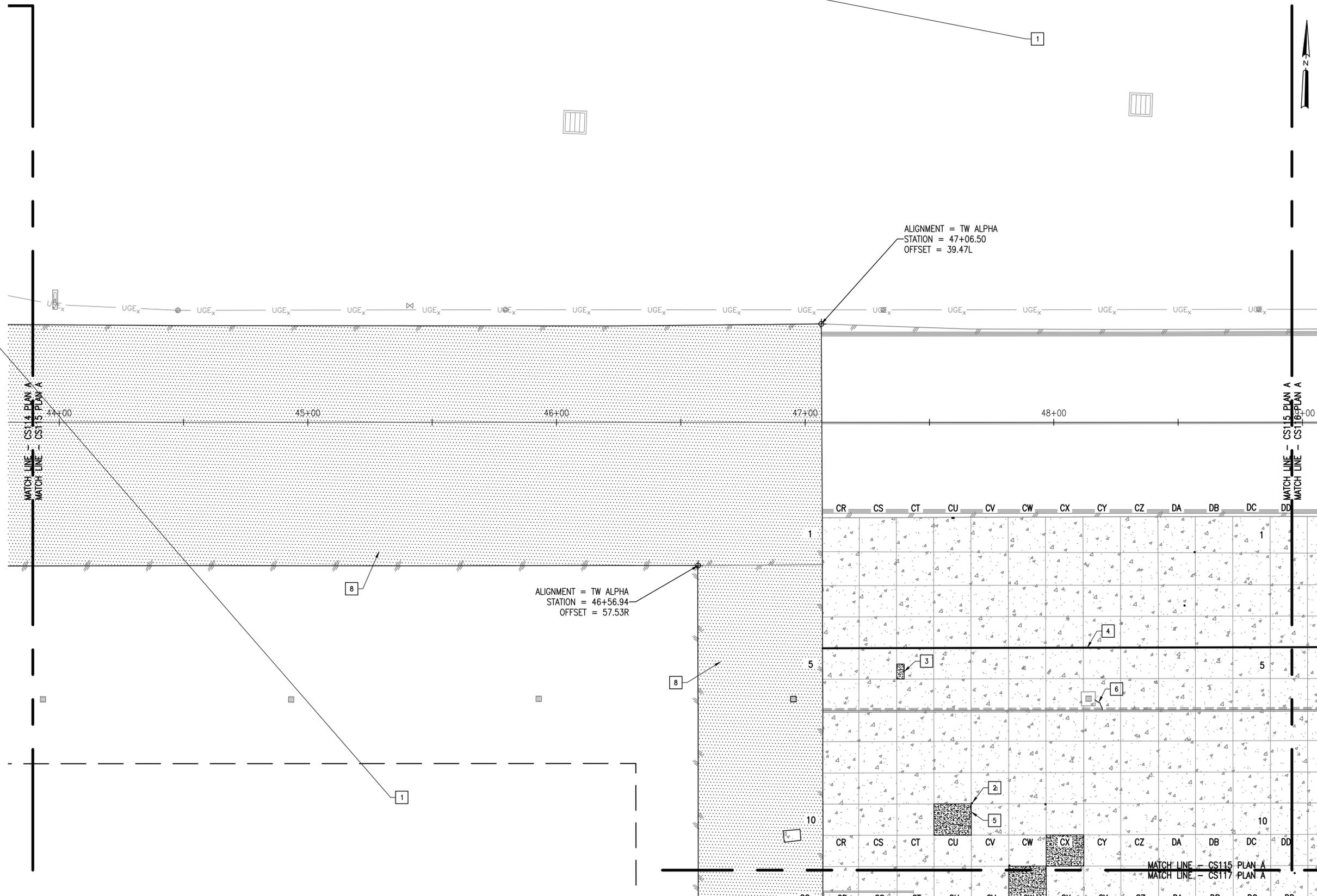
GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1

Wallops Airfield Repair Project
FCLP Phase II
REPAIR PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17059

SHEET 45 OF 72

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (13 OF 15)
1" = 20'

B KEY PLAN
NTS

CS115

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

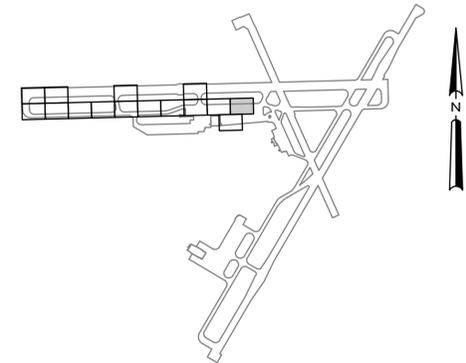
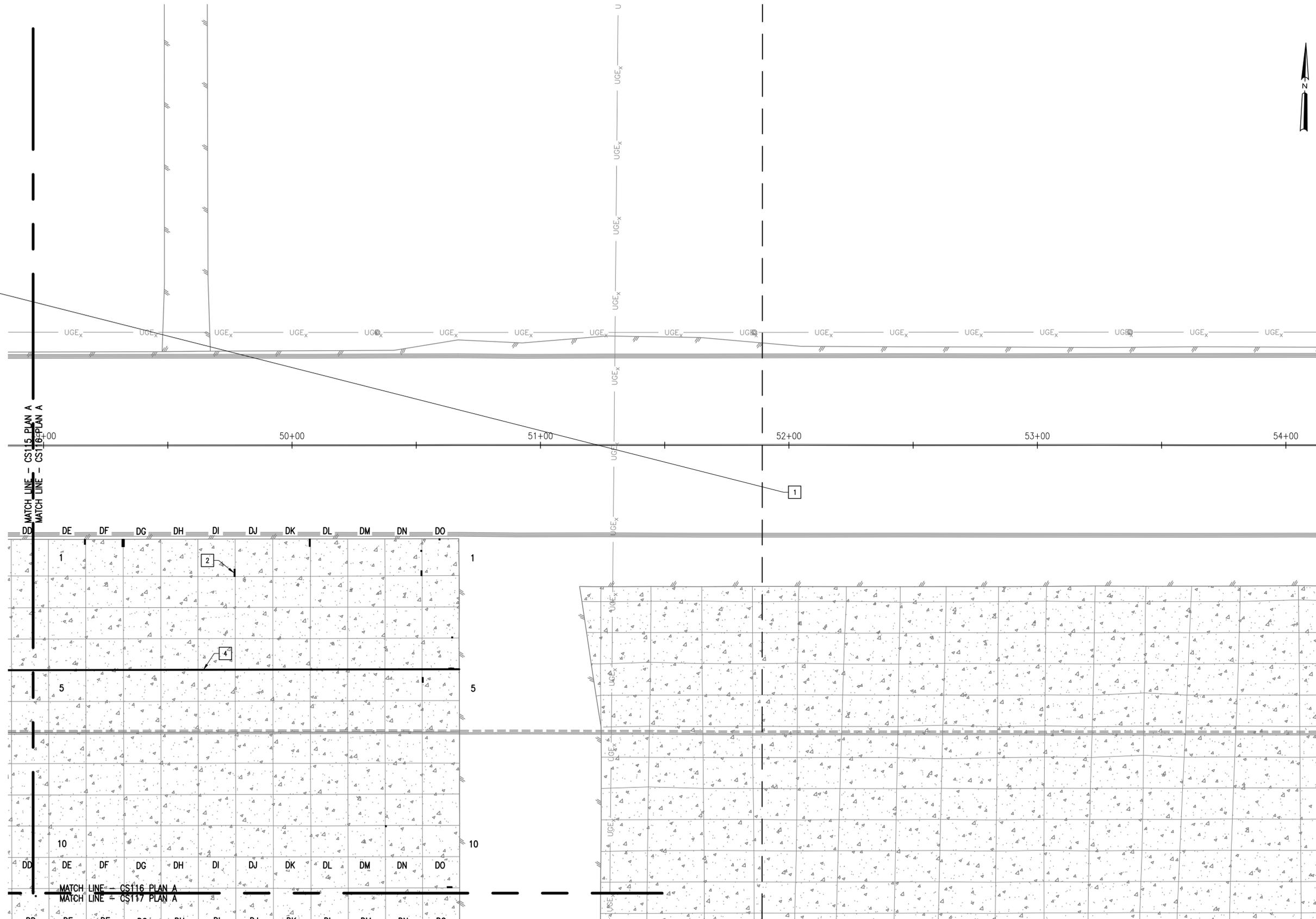
ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1

Wallops Airfield Repair Project
FCLP Phase II
REPAIR PLAN
PROJECT NUMBER: 1338474
DRAWING NO. 17060

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
2. SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (14 OF 15)
1" = 20'

B KEY PLAN
NTS

CS116

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
Julio C. P.P.
4/17/15

SUBMITTED BY
John D. Wilson
PROJECT MANAGER

NASA SAFETY
Julio C. P.P.
4/17/15

FIRE PROTECTION
Julio C. P.P.
4/17/15

CONSTRUCTION MANAGEMENT
Nick Clayton

O & M
Janice

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER

BRANCH APPROVAL
[Signature]
BRANCH HEAD

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

AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1

SCALE
1" = 20'

SHEET 47 OF 72

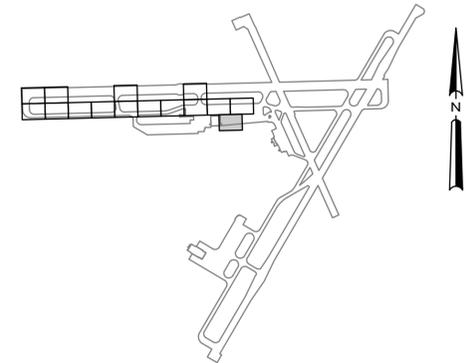
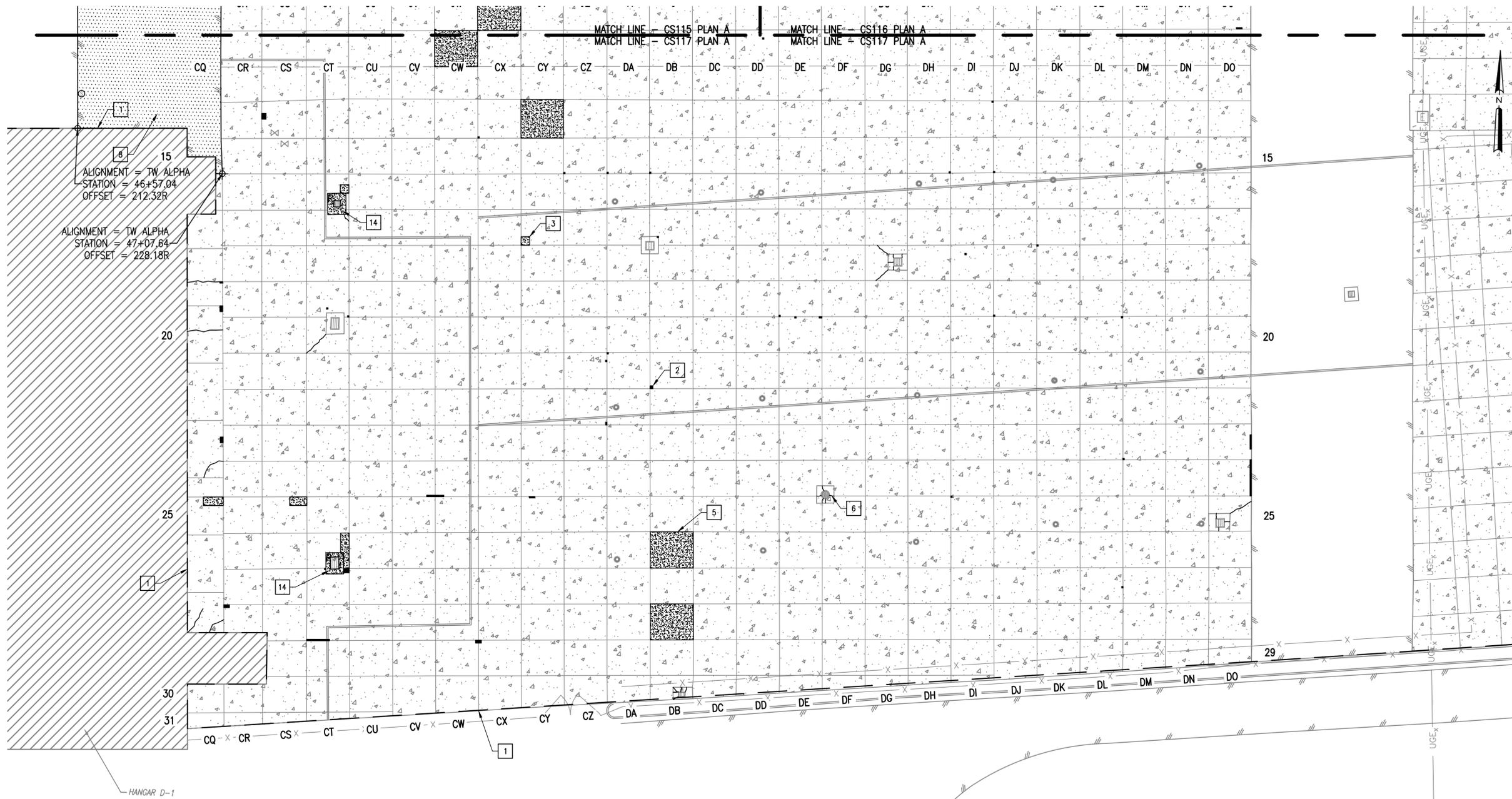
Wallops Airfield Repair Project
FCLP Phase II
REPAIR PLAN

PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISID:

DRAWING NO.
17061

SHEET NOTES

- SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.
- SEE NEW WORK SCHEDULE FOR LOCATIONS, DIMENSIONS, AND QUANTITIES OF ISOLATED REPAIRS.



A REPAIR PLAN (15 OF 15)
1" = 20'

B KEY PLAN
NTS

CS117

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

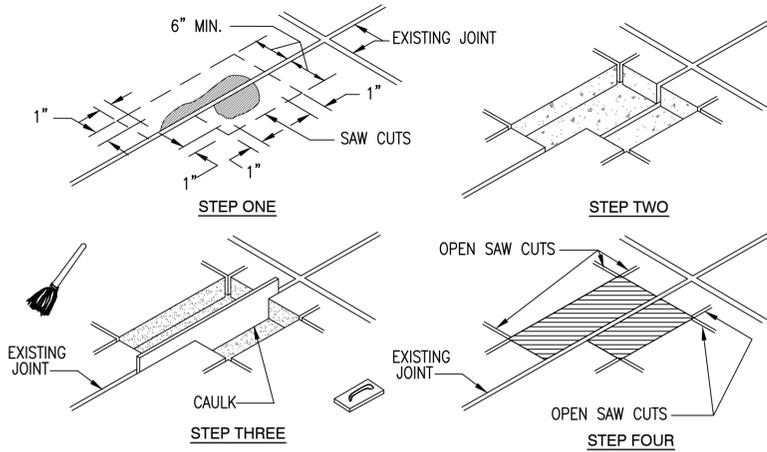
NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

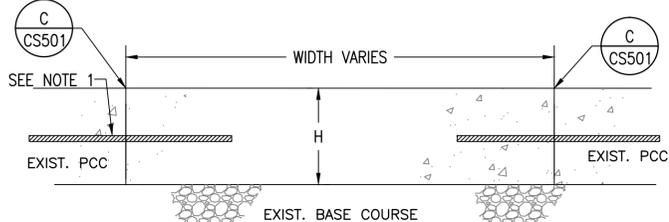
ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 20'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS1
SCALE
1" = 20'
SHEET 48 OF 72

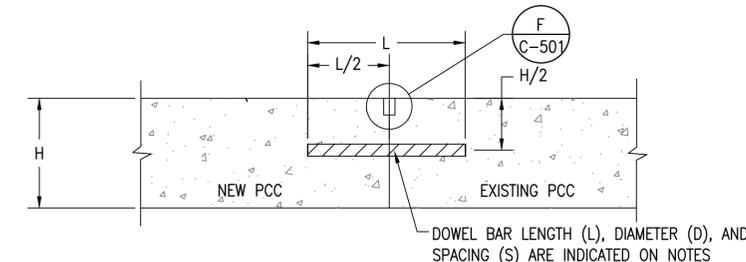
WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
REPAIR PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17062



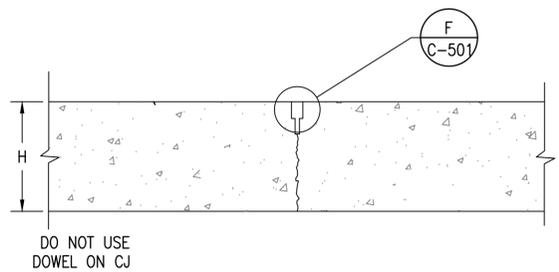
A SPALL REPAIR
NTS



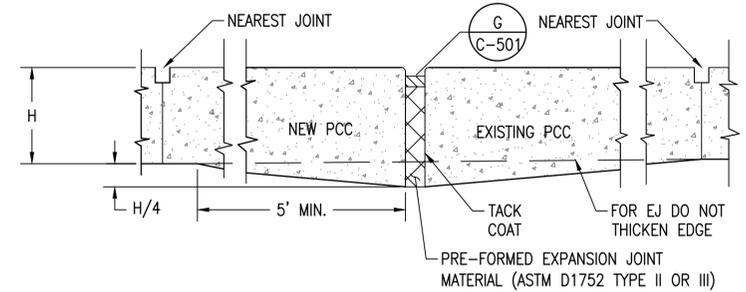
B FULL DEPTH REPAIR AND FULL SLAB REPLACEMENT
NTS



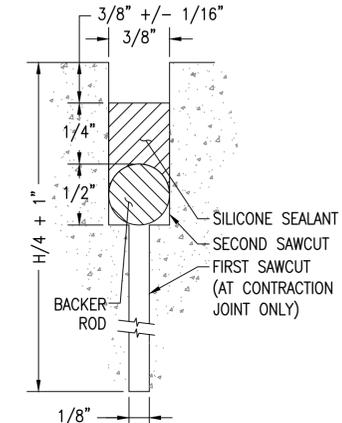
C DOWELED CONSTRUCTION JOINT (DKJ)
NTS



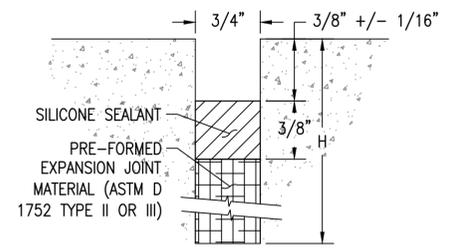
D CONTRACTION JOINT (CJ)
NTS



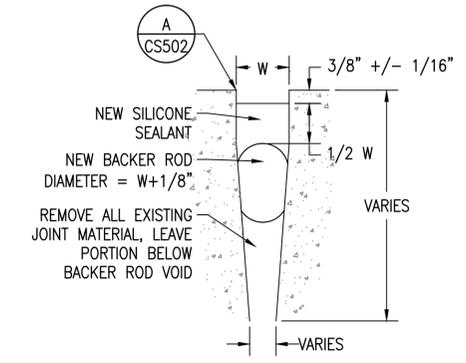
E THICKENED EDGE EXPANSION JOINT (TEJ)
NTS



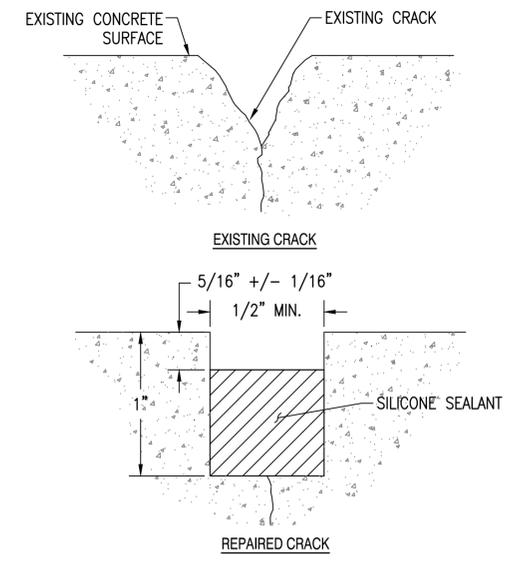
F SAWED JOINT
NTS



G EXPANSION JOINT
NTS



H JOINT RESEALING
NTS



J CONCRETE CRACK REPAIR
NTS

CONCRETE JOINT NOTES

- UNCOMPRESSED WIDTH OF SEAL AND MAXIMUM DEPTH OF SECONDARY CUT SHALL BE AS RECOMMENDED BY MANUFACTURER.
- IF THE JOINT HAS OPENED PRIOR TO SAW CUT OF THE JOINT RESERVOIR, THE SAWED WIDTH SHALL BE INCREASED SO THAT THE NET WIDTH WILL MEET THE PRESCRIBED TOLERANCE WHEN THE JOINT CLOSES.
- BRING PRE-FORMED EXPANSION JOINT MATERIAL TO SURFACE DURING INITIAL CONSTRUCTION. PRE-FORMED EXPANSION JOINT MATERIAL SHALL EXTEND TO THE BOTTOM OF NEW PCC.

SPALL REPAIR NOTES

- REPAIR SIZES ARE DENOTED IN "SCHEDULE OF REPAIRS."
- STEP ONE:
 - MAKE SAW CUT AT LEAST 1" BEYOND THE OUTER EDGE OF THE AREA OF DAMAGED CONCRETE, SAWING NOT LESS THAN 2 1/2" DEEP.
- STEP TWO:
 - REMOVE ALL SPALLED PCC DOWN TO FIRM SOUND CONCRETE (INDICATED BY A RINGING TONE WHEN TAPPED WITH A STEEL BAR), PROVIDING A MINIMUM OF 3" DEPTH OF CONCRETE REMOVAL & A UNIFORMLY LEVEL EXPOSED SURFACE. REMOVE ALL LOOSE MATERIAL AND DUST FROM THE AREA BY AIR BLASTING.
- STEP THREE:
 - MAINTAIN THE WORKING JOINT BY USE OF A FIBERBOARD OR OTHER SUITABLE INSERT MATERIAL. CAULK THE BASE OF THE INSERT TO PREVENT MATERIAL FROM ENTERING THE VOID AREA BETWEEN THE INSERT AND THE CONCRETE TO REMAIN. OILS, WAXES, GREASE, OR SILICONES SHOULD NOT BE USED ON THE INSERT SINCE BONDING OF THE JOINT SEALING MATERIALS WOULD BE PREVENTED.
 - THOROUGHLY CLEAN THE AREA BY AIR JET TO REMOVE ALL RESIDUAL FINES. CAREFULLY CHECK THAT NO TRACE OF OIL, GREASE, OR MATERIALS THAT WOULD PREVENT CONCRETE FROM BONDING ARE PRESENT.
 - IMMEDIATELY PRIOR TO PLACEMENT OF REPAIR MATERIAL, THE SURFACE OF THE CAVITY (EXCEPT THE FACE OF THE WORKING JOINT) SHALL BE PREPARED PER REPAIR MATERIAL MANUFACTURER'S INSTRUCTIONS.
 - CAREFULLY REMOVE THE INSERT BEFORE THE REPAIR MATERIAL HARDENS TO A HIGH BOND. SLIGHTLY TOOL THE EDGES.
 - REPAIR MATERIAL SHALL BE AS SPECIFIED.
- STEP FOUR:
 - FINISH REPAIR MATERIAL TO GRADE. EXCESS MORTAR OR BINDER CARRIED OVER THE PAVEMENT SHALL BE REMOVED. FINALLY, OPEN SAW CUTS ARE TO BE FILLED WITH A SAND AND EPOXY RESIN BINDER.

FULL DEPTH REPAIR NOTES

- DOWELS SHALL BE NO CLOSER THAN 16 INCHES TO INTERSECTING JOINTS.
- REMOVE EXISTING PCC AT LOCATION SHOWN IN PLAN AND PROVIDE PCC AS SHOWN. DO NOT UNDERMINE PAVEMENT TO REMAIN.
- REESTABLISH EXISTING SAWED JOINTS. PROVIDE DKJ ON ALL SIDES OF REPAIR. PROVIDE TEJ AT ANY EXPANSION JOINT. PROVIDE CJ TO REESTABLISH EXISTING JOINTS BISECTING REPAIR.
- MALE KEY (IF EXISTING) SHALL BE REMOVED PRIOR TO DRILLING FOR DOWEL (INTO EXIST. SLAB).
- RECOMPACT BASE MATERIAL PRIOR TO NEW CONCRETE PLACEMENT
- EPOXY GROUT ALL OVERSAWING AFTER COMPLETION OF THE REPAIR.

CONCRETE NOTES

- PCC PAVEMENT THICKNESS "H" IS INDICATED ON NEW WORK SCHEDULE
- PROVIDE DOWELS WITH THE FOLLOWING DIMENSIONS:
SOLID BAR DIAMETER "D" 1 INCH
MINIMUM LENGTH "L" 16 INCHES
MAXIMUM SPACING "S" 12 INCHES
- DOWELS SHALL BE NO CLOSER THAN 16 INCHES TO INTERSECTING JOINTS.
- AT DOWELED CONSTRUCTION JOINTS (DKJ), DRILL & EPOXY DOWEL AT MID-DEPTH OF EXISTING PCC. PLACE DOWEL AT MID DEPTH OF NEW PCC, U.N.O.

PCC JOINT RESEALING NOTES

- REMOVE EXISTING DEBRIS, JOINT SEALANT, AND BACKER ROD AND PREPARE JOINT PER SPECIFICATION.
- SEE SCHEDULE OF REPAIRS FOR TOTAL QUANTITY OF REQUIRED JOINT RESEALING.

CS501



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

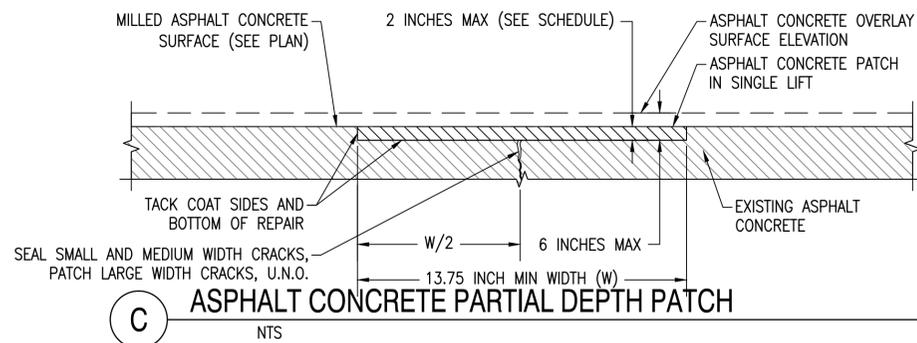
ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
NOT TO SCALE
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS5

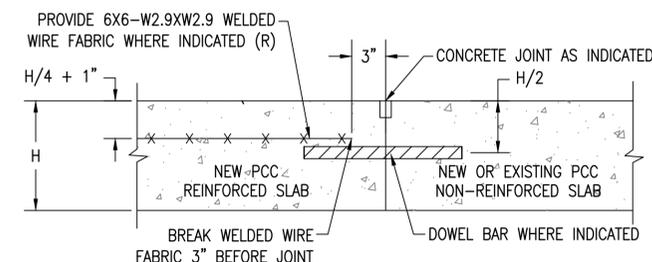
Wallops Airfield Repair Project
FCLP Phase II
NEW WORK DETAILS
PROJECT NUMBER: 1338474
DRAWING NO. 17063

FIXTURE PROTECTION PLAN NOTES

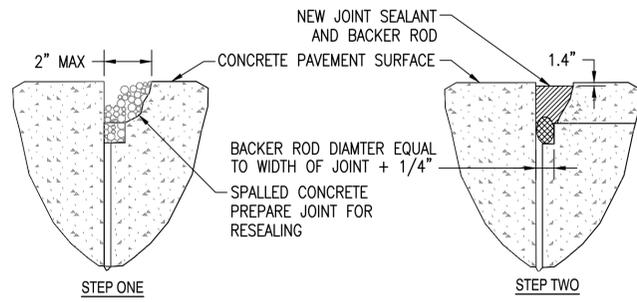
1. REMOVE EXISTING FAA L-852N LIGHT FIXTURE, EXISTING FLANGE RING WITH PAVEMENT DAM, AND ALL SPACERS. PROTECT, STORE AND REUSE WHERE REQUIRED. NOTE ORIENTATION OF LIGHT FIXTURES FOR REINSTALLATION USE.
2. PROTECT IN PLACE EXISTING SHALLOW LIGHT BASE AND ALL WIRING.
3. IF EXISTING SHALLOW LIGHT BASE IS DISTURBED DURING CONSTRUCTION CONTRACTOR SHALL USE A SETTING JIG, MANUFACTURED BY AN AIRFIELD LIGHTING EQUIPMENT MANUFACTURER, TO HOLD THE BASE AT THE PROPER ELEVATION AND AZIMUTH WHILE THE P-606 IS HARDENING.
4. USE SEALANTS AND EMBEDDING COMPOUNDS THAT ARE CHEMICALLY COMPATIBLE WITH THE PAVEMENT MATERIAL. IT IS EXTREMELY IMPORTANT TO CAREFULLY RESEARCH PAST USE HISTORY OF THE SEALANT TO BE SPECIFIED.
5. PROVIDE FOR EACH LIGHT BASE A MUD PLATE WITH RAISED TARGET, CENTER PUNCH MARK AND KNOCKOUTS. INSTALL MUD PLATE IMMEDIATELY AFTER LIGHT FIXTURE IS REMOVED TO PREVENT MILLINGS AND OTHER MATERIALS FROM ENTERING LIGHT BASE.
6. SURVEY EXISTING LIGHTS BEFORE MILLING AND PAVING FOR LOCATIONS. AFTER PAVING, RESURVEY, MARK LOCATIONS AND CORE DRILL. CORE DRILL DIAMETER OF LIGHT BASE +1/2".
7. PROVIDE SPACER RING (APPROX 1" THICK) AND ADDITIONAL SPACER RINGS, FOR A MAXIMUM OF 3 RINGS INCLUDING THE FLANGE RING, TO INSURE THAT THE LIGHT FIXTURE IS BETWEEN +0" -1/16" TO THE SURROUNDING PAVEMENT SURFACE, PER FAA AC 150/5340-30.
8. INSTALL EXISTING LIGHT FIXTURE, EXISTING FLANGE RING WITH PAVEMENT DAM AND SPACERS.
9. CONTRACTOR SHALL BE FAMILIAR WITH PROCEDURES AS OUTLINED IN FAA AC 150/5340-30 AND "THE DESIGN, INSTALLATION, AND MAINTENANCE OF IN-PAVEMENT AIRPORT LIGHTING", SPECIFICALLY THE PARTS ON PAVEMENT OVERLAYS. THIS MANUAL CAN BE OBTAINED FROM THE FAA OR JAQUITH WEBSITES.
10. PROVIDE 18-8 STAINLESS STEEL (SS) 3/8"-16 BOLTS AND SS LOCKING WASHERS OF THE TWO-PIECE WEDGE-LOCK DESIGN. WHEN INSTALLED, BOLT THREADS SHALL EXTEND INTO EXISTING LIGHT BASE 1/4" MINIMUM.
11. PROVIDE SHOP DRAWING SUBMITTALS FOR MUDPLATE, SPACERS, WASHERS, SEALANT, AND SETTING JIG.
12. SEE DRAWING G-003 GENERAL WORK NOTES FOR MILLING REQUIREMENTS NEAR IN-PAVEMENT LIGHT FIXTURES.



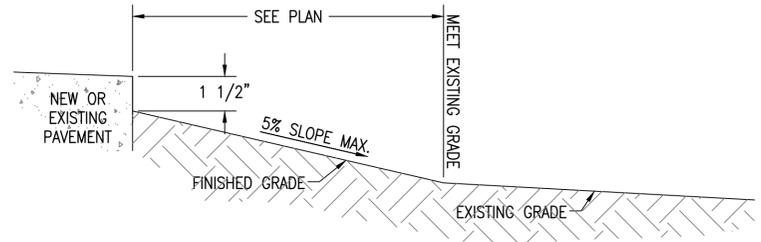
C ASPHALT CONCRETE PARTIAL DEPTH PATCH
NTS



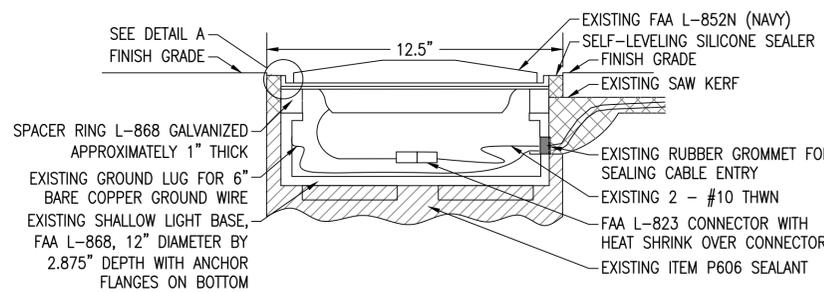
D SLAB REINFORCEMENT (R)
NTS



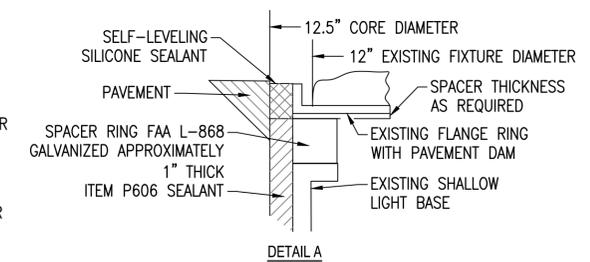
A SPALL REPAIR FOR SPALL LESS THAN 2" WIDE
NTS



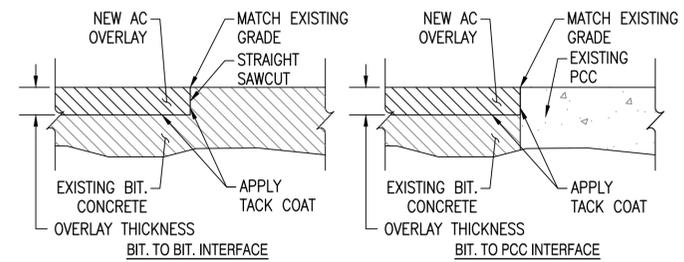
B REGRADE AND SEED SHOULDER
NTS



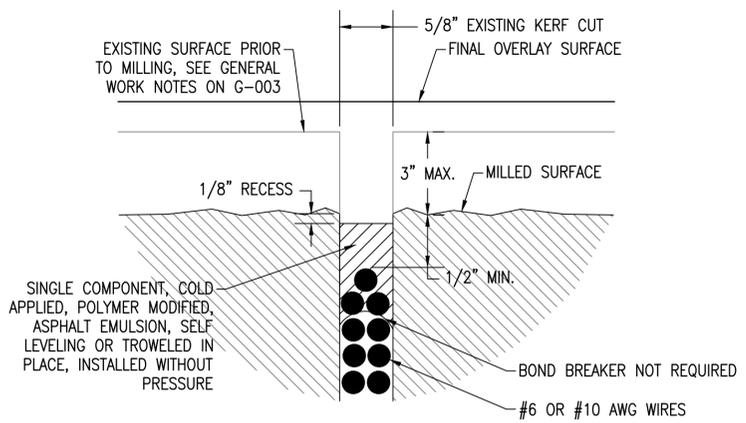
F SIMULATED CARRIER DECK LIGHT FIXTURE - FIXTURE PROTECTION PLAN AND REINSTALLATION
NTS



DETAIL A



G AC INTERFACE AT EXISTING PCC OR BIT.
NTS



E KERF AND CONDUCTOR PROTECTION PLAN
NTS



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER	NASA SAFETY	CONSTRUCTION MANAGEMENT
SUBMITTED BY	FIRE PROTECTION	O & M
PROJECT MANAGER		

ENGINEERING APPROVAL	ENGINEERING GROUP LEADER
BRANCH APPROVAL	BRANCH HEAD

GRAPHIC SCALE	NOT TO SCALE
AUTOCAD - RELEASE 2010	FILE NAME: '2-1337236-CS5
SCALE	NOT TO SCALE
SHEET	50 OF 72

PROJECT NUMBER: 1338474	DRAWING NO.
DR. STH	17064
CK. LMH	
DATE:	
REVISED:	

WALLOPS AIRFIELD REPAIR PROJECT	FCLP PHASE II
NEW WORK DETAILS	

CS502

SPALL REPAIR SCHEDULE

1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL A ON SHEET CS501.
2. SEE DETAIL FOR DIMENSION "D".

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (FT)	D (IN)
CS101	AB	20	2.0	0.5	
CS101	AE	2	1.5	1.5	
CS101	AE	16	1.0	0.5	
CS101	AF	15	1.0	1.0	
CS101	AF	23	1.0	0.5	
CS101	AF	28	3.0	1.0	
CS101	AF	29	0.5	0.5	
CS101	AH	1	5.0	0.5	
CS101	AH	2	1.0	0.5	
CS101	AH	2	0.5	0.5	
CS101	AH	9	1.0	0.5	
CS101	AH	12	1.0	0.5	
CS101	AH	12	4.0	0.5	
CS101	AH	13	1.0	0.5	
CS101	AH	13	1.0	1.0	
CS101	AH	15	3.0	0.5	
CS101	AH	23	0.5	0.5	
CS101	AH	24	1.0	0.5	
CS101	AH	26	0.5	0.5	
CS101	AI	29	1.0	1.0	
CS101	AJ	14	0.5	0.5	
CS101	AJ	15	0.5	0.5	
CS101	AJ	19	0.5	0.5	
CS101	AJ	29	1.0	0.5	
CS101	AK	22	0.5	0.5	
CS101	AL	8	1.0	1.0	
CS101	AL	9	3.0	1.0	
CS101	AL	13	2.0	0.5	
CS101	AL	18	0.5	0.5	
CS101	AM	16	0.5	0.5	
CS101	AM	18	0.5	0.5	
CS101	AN	10	2.0	1.0	
CS101	AN	22	0.5	0.5	
CS101	AP	9	1.5	2.0	
CS101	AP	11	1.0	0.5	
CS101	AX	6	2.0	0.5	
CS102	AA	31	1.5	0.5	
CS102	AA	39	3.0	1.0	
CS102	AA	49	0.5	0.5	
CS102	AB	31	2.0	0.5	
CS102	AB	35	0.5	0.5	
CS102	AB	42	2.0	1.5	
CS102	AB	48	0.5	0.5	
CS102	AC	32	1.0	0.5	
CS102	AD	45	1.0	1.0	
CS102	AD	45	1.0	0.5	
CS102	AD	53	2.0	0.5	
CS102	AD	57	1.5	0.5	
CS102	AE	32	0.5	0.5	
CS102	AE	41	1.0	0.5	
CS102	AE	42	2.0	0.5	
CS102	AF	33	1.0	0.5	
CS102	AF	39	1.5	1.5	
CS102	AF	39	1.0	0.5	
CS102	AF	40	0.5	0.5	
CS102	AF	41	0.5	0.5	
CS102	AF	46	3.0	0.5	
CS102	AF	46	2.0	0.5	

SPALL REPAIR SCHEDULE (CONTINUED)

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (FT)	D (IN)
CS102	AF	48	0.5	0.5	
CS102	AG	32	4.0	0.5	
CS102	AG	37	0.5	0.5	
CS102	AG	41	0.5	0.5	
CS102	AG	41	1.0	0.5	
CS102	AG	45	1.0	0.5	
CS102	AG	46	3.0	0.5	
CS102	AG	46	1.0	0.5	
CS102	AG	50	1.0	0.5	
CS102	AG	55	1.0	0.5	
CS102	AH	31	1.5	0.5	
CS102	AH	33	4.0	1.5	
CS102	AH	34	5.0	0.5	
CS102	AH	46	3.0	0.5	
CS102	AH	48	4.0	0.5	
CS102	AH	48	7.0	0.5	
CS102	AI	32	2.0	1.5	
CS102	AI	34	0.5	0.5	
CS102	AI	45	12.5	1.5	
CS102	AI	48	0.5	0.5	
CS102	AI	55	1.0	0.5	
CS102	AJ	31	1.0	0.5	
CS102	AJ	32	0.5	0.5	
CS102	AJ	51	0.5	0.5	
CS102	AJ	52	0.5	0.5	
CS102	AJ	53	0.5	0.5	
CS102	AJ	54	0.5	0.5	
CS102	AK	31	0.5	0.5	
CS102	AK	31	6.0	0.5	
CS102	AK	32	0.5	0.5	
CS102	AK	32	0.5	0.5	
CS102	AK	41	1.0	1.0	
CS102	AK	43	0.5	0.5	
CS102	AK	45	1.0	1.0	
CS102	AK	45	4.0	0.5	
CS102	AK	46	1.0	0.5	
CS102	AK	51	1.5	0.5	
CS102	AK	52	1.5	0.5	
CS102	AL	35	1.0	0.5	
CS102	AL	36	1.0	0.5	
CS102	AL	45	1.5	0.5	
CS102	AL	46	1.5	0.5	
CS102	AL	49	0.5	0.5	
CS102	AM	32	0.5	0.5	
CS102	AM	40	3.0	0.5	
CS102	AM	45	1.5	0.5	
CS102	AM	45	1.5	0.5	
CS102	AN	35	0.5	0.5	
CS102	AN	43	1.0	0.5	
CS102	AN	45	3.0	0.5	
CS102	AN	51	0.5	0.5	
CS102	AO	32	1.0	0.5	
CS102	AO	39	0.5	0.5	
CS102	AO	49	1.5	0.5	
CS102	AO	50	6.0	0.5	
CS102	AO	54	3.5	1.0	
CS102	AP	32	2.5	1.0	
CS102	AP	45	0.5	0.5	
CS102	AP	46	3.0	0.5	
CS103	BV	2	15.5	1.0	

SPALL REPAIR SCHEDULE (CONTINUED)

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (FT)	D (IN)
CS103	BW	1	0.5	0.5	
CS103	BW	2	0.5	0.5	
CS103	BW	3	0.5	0.5	
CS103	BW	4	2.0	0.5	
CS103	BW	4	4.0	0.5	
CS103	BX	3	0.5	0.5	
CS103	BX	4	0.5	0.5	
CS103	BX	5	1.5	1.0	
CS103	BY	1	7.0	0.5	
CS103	BY	1	0.5	0.5	
CS103	BY	2	1.5	1.5	
CS103	BY	4	1.0	1.0	
CS103	BY	5	5.0	1.5	
CS103	BZ	1	0.5	0.5	
CS103	BZ	1	0.5	0.5	
CS103	BZ	2	2.0	1.0	
CS103	CA	1	0.5	0.5	
CS103	CA	1	5.0	0.5	
CS103	CA	2	5.0	0.5	
CS103	CA	2	2.0	0.5	
CS103	CA	4	1.0	0.5	
CS103	CB	1	0.5	0.5	
CS103	CC	1	1.0	0.5	
CS104	CK	3	0.5	0.5	
CS104	CK	7	0.5	0.5	
CS104	CK	7	1.0	0.5	
CS104	CL	2	0.5	0.5	
CS104	CL	3	1.0	0.5	
CS104	CL	4	3.0	3.0	
CS104	CM	3	1.0	0.5	
CS104	CM	6	1.0	1.0	
CS104	CO	2	1.0	0.5	
CS105	AS	12	1.0	0.5	
CS105	AV	12	4.0	0.5	
CS105	AX	12	12.5	0.5	
CS105	AY	12	0.5	0.5	
CS105	AZ	12	12.5	0.5	
CS105	BA	12	1.5	0.5	
CS109	BV	8	0.5	0.5	
CS109	BV	10	5.0	0.5	
CS109	BW	7	1.0	0.5	
CS109	BW	8	5.0	0.5	
CS109	BX	7	0.5	0.5	
CS109	BX	7	0.5	0.5	
CS109	BY	7	1.0	0.5	
CS109	BY	7	1.5	0.5	
CS109	BY	7	0.5	0.5	
CS109	BY	8	1.0	0.5	
CS109	BY	10	2.0	0.5	
CS109	BZ	6	0.5	0.5	
CS109	BZ	7	0.5	0.5	
CS109	BZ	10	1.0	0.5	

AC CRACK SEAL SCHEDULE

1. FROM STA 8+86 TO STA 25+00 PROVIDE 8,000 LF OF AC CRACK SEALING. THE AVERAGE WIDTH AND DEPTH OF CRACKS IS 3/8 INCH. DO NOT SEAL CRACKS THAT ARE LESS THAN 1/4 INCH WIDE.

ROUTE AND SEAL CRACK SCHEDULE

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (IN)	D (IN)
CS101	AF	20	2.0	0.50	1.00
CS101	AG	16	1.0	0.50	1.00
CS101	AI	15	2.0	0.50	1.00
CS102	AE	31	2.0	0.50	1.00
CS102	AE	32	2.0	0.50	1.00
CS102	AE	46	2.0	0.50	1.00
CS102	AE	46	1.0	0.50	1.00
CS102	AH	32	1.0	0.50	1.00
CS102	AI	55	1.0	0.50	1.00
CS102	AJ	49	1.0	0.50	1.00
CS102	AM	31	1.0	0.50	1.00
CS102	AN	45	2.0	0.50	1.00
CS105	AX/AY	10	5.0	0.50	1.00

FULL DEPTH REPAIR SCHEDULE

1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL B ON SHEET CS501.

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (FT)	D (IN)
CS101	AI	15	3.0	3.0	10.0
CS101	AM	15	3.0	3.0	10.0
CS101	AP	30	8.0	5.0	10.0
CS101	BB	1	7.0	6.0	10.0
CS101	BC	1	6.0	3.5	10.0
CS102	AA	38	7.0	4.0	10.0
CS102	AF	45	3.0	3.0	10.0
CS102	AJ	45	7.0	3.0	10.0
CS102	AL	45	6.0	3.0	10.0
CS103	BU	1	3.3	3.0	8.0

JOINT SEALANT REPAIR SCHEDULE

1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL H ON SHEET CS501.

SHEET	COLUMN	ROW	DIMENSION	W (IN)	D (IN)
			L (FT)		
CS101	AH/AI	31	15.0	0.75	
CS101	AP/S	16	15.0	1.00	
CS101/05	AT/AU	2-12	150.0	1.00	
CS101/05	AX/AY	1-12	180.0	1.00	
CS101	BB/BC	5/6	20.3	2.00	
CS101	BC-BD	3/4	15.9	2.50	
CS101	BG/E	1	3.3	1.00	
CS102	AG-AJ	41/42	50.0	1.00	
CS102	AI-AL 3	1/32	50.0	1.00	
CS102	AI-AL	55/56	50.0	1.25	
CS102	AK-AP	37/38	75.0	1.00	
CS102	AM-AP	46/47	50.0	1.00	
CS102	AM-AP	52/53	50.0	1.25	
CS102	AP	31/32	12.5	0.75	
CS103	BU-CC	1-10	1602.8	0.50	
CS104/12	CG-CP	1-15	2245	0.50	

AC PARTIAL DEPTH PATCH SCHEDULE

1. FROM STA 8+86 TO STA 25+00 PROVIDE 1,250 LF OF AC PARTIAL DEPTH PATCHING IN ACCORDANCE WITH DETAIL C ON SHEET CS503

OPTION 1: NEW WORK SCHEDULE

ROUTE AND SEAL CRACK SCHEDULE					
SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (IN)	D (IN)
CS109	BI	148	2.0	0.50	1.00
CS109	BJ	148	2.0	0.50	1.00
CS109	BK	133	2.0	0.50	1.00
CS109	BK	156	1.0	0.50	1.00
CS109	BM	153	3.0	0.50	1.00
CS110	BK	179	3.0	0.50	1.00
CS111	BH	208	1.0	0.50	1.00
CS111	BH	208	2.0	0.50	1.00
CS111	BJ	208	2.0	0.50	1.00
CS111	BJ	208	2.0	0.50	1.00
CS111	BJ	209	1.0	0.50	1.00
CS111	BJ	223	2.0	0.50	1.00
CS111	BJ	224	2.0	0.50	1.00
CS111	BK	209	2.0	0.50	1.00
CS111	BK	212	1.0	0.50	1.00

OPTION 1: NEW WORK SCHEDULE (CONTINUED)

OPTION 2: NEW WORK SCHEDULE

SPALL REPAIR SCHEDULE (CONTINUED)

SPALL REPAIR SCHEDULE (CONTINUED)

SPALL REPAIR SCHEDULE

FULL DEPTH REPAIR SCHEDULE

ROUTE AND SEAL CRACK SCHEDULE

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (FT)	D (IN)
CS108	BK	131	4.0	1.5	
CS108	BL	131	0.5	0.5	
CS109	BH	133	12.5	1.5	
CS109	BH	135	1.0	0.5	
CS109	BH	137	1.5	0.5	
CS109	BH	139	2.0	1.0	
CS109	BH	140	0.5	0.5	
CS109	BH	145	5.0	1.0	
CS109	BH	145	4.0	1.0	
CS109	BH	146	4.0	1.0	
CS109	BH	154	5.0	1.0	
CS109	BH	155	5.0	1.0	
CS109	BH	163	6.0	0.5	
CS109	BI	133	5.0	0.5	
CS109	BI	139	0.5	0.5	
CS109	BI	141	6.0	1.5	
CS109	BI	148	1.0	1.0	
CS109	BI	155	0.5	0.5	
CS109	BJ	133	12.5	0.5	
CS109	BJ	148	0.5	0.5	
CS109	BK	133	2.0	0.5	
CS109	BK	134	0.5	0.5	
CS109	BK	139	0.5	0.5	
CS109	BK	139	3.0	0.5	
CS109	BK	148	12.5	1.5	
CS109	BK	163	3.0	1.0	
CS109	BL	133	4.0	1.0	
CS109	BL	134	1.0	0.5	
CS109	BL	134	3.0	0.5	
CS109	BL	138	2.0	1.5	
CS109	BL	139	1.0	1.0	
CS109	BM	134	12.5	1.5	
CS109	BM	139	12.5	0.5	
CS109	BM	140	12.5	0.5	
CS109	BM	143	1.0	1.0	
CS109	BM	147	0.5	0.5	
CS109	BM	158	0.5	0.5	
CS109	BV	17	2.0	0.5	
CS109	BV	17	1.0	0.5	
CS109	BV	18	3.0	1.5	
CS109	BV	21	9.5	1.0	
CS109	BV	22	12.5	1.0	
CS109	BW	17	1.0	0.5	
CS109	BW	18	1.5	1.5	
CS109	BW	21	2.0	0.5	
CS109	BW	23	12.5	1.0	
CS109	BX	17	1.5	0.5	
CS109	BX	21	3.0	0.5	
CS109	BX	21	1.5	1.0	
CS109	BY	13	1.0	0.5	
CS109	BY	17	4.0	0.5	
CS109	BY	20	0.5	0.5	
CS109	BY	20	1.0	0.5	
CS109	BY	20	1.0	1.0	
CS109	BY	21	1.0	1.0	
CS109	BY	21	1.0	0.5	
CS109	BZ	17	1.0	0.5	
CS109	BZ	17	3.0	0.5	
CS109	BZ	18	3.0	0.5	

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (FT)	D (IN)
CS109	BZ	21	1.0	1.0	
CS109	CA	18	0.5	0.5	
CS109	CA	18	5.0	0.5	
CS109	CA	20	9.5	1.0	
CS109	CA	21	9.5	1.0	
CS109	CB	21	1.0	1.0	
CS109	CF	23	1.3	1.0	
CS110	BH	169	4.0	1.0	
CS110	BH	170	4.0	1.0	
CS110	BH	170	0.5	0.5	
CS110	BI	185	0.5	0.5	
CS110	BI	193	12.5	1.5	
CS110	BJ	178	1.0	1.0	
CS110	BJ	192	1.5	1.5	
CS110	BJ	192	3.0	1.5	
CS110	BJ	193	1.5	1.5	
CS110	BK	177	4.0	0.5	
CS110	BK	177	1.0	0.5	
CS110	BK	193	8.0	1.0	
CS110	BK	194	1.0	1.0	
CS110	BL	187	3.0	1.0	
CS110	BL	194	1.0	1.0	
CS110	BL	197	2.0	1.5	
CS110	BM	166	0.5	0.5	
CS110	BM	166	0.5	0.5	
CS111	BH	209	2.0	0.5	
CS111	BH	223	0.5	0.5	
CS111	BI	208	1.0	1.0	
CS111	BJ	209	0.5	0.5	
CS111	BJ	212	0.5	0.5	
CS111	BJ	224	0.5	0.5	
CS111	BJ	229	0.5	0.5	
CS111	BK	206	0.5	0.5	
CS111	BK	209	0.5	0.5	
CS111	BK	223	12.5	0.5	
CS111	BK	226	0.5	0.5	
CS111	BL	202	2.0	2.0	
CS111	BL	217	2.0	0.5	
CS111	BM	202	2.0	2.0	
CS111	BM	208	12.5	1.5	
CS111	BM	230	0.5	0.5	
CS112	BK	234	1.0	1.0	
CS112	BM	234	12.5	1.0	

FULL SLAB REPLACEMENT SCHEDULE

1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL B ON SHEET CS501.

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (FT)	D (IN)
CS109	BH	142	15.0	12.5	10.0
CS109	BH	143	15.0	12.5	10.0
CS109	BH	144	15.0	12.5	10.0

1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL A ON SHEET CS501.

2. SEE DETAIL FOR DIMENSION "D".

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (FT)	D (IN)
CS105	AR	18	15.0	0.5	
CS105	AR	20	0.5	0.5	
CS105	AT	16	2.0	0.5	
CS105	AV	24	0.5	0.5	
CS105	AW	15	2.0	1.0	
CS105	AW	18	1.5	0.5	
CS105	AX	16	0.5	0.5	
CS105	AY	14	2.0	1.0	
CS105	BB	20	1.0	1.0	
CS105	BD	24	0.5	0.5	
CS105	BE	23	3.1	0.5	
CS105	BE	23	1.0	0.5	
CS105	BF	24	9.5	0.5	
CS105	BH	14	12.5	0.5	
CS105	BI	2	2.4	0.5	
CS105	BJ	12	0.5	0.5	
CS105	BK	12	1.0	0.5	
CS105	BK	20	2.0	1.0	
CS105	BK	25	1.0	0.5	
CS105	BK	26	1.0	0.5	
CS105	BK	29	0.5	0.5	
CS105	BL	12	1.0	0.5	
CS105	BM	15	2.5	1.5	
CS105	BM	24	4.0	1.5	
CS105	BM	28	2.0	0.5	
CS106	BJ	30	0.5	0.5	
CS106	BJ	44	2.5	1.0	
CS106	BJ	53	3.0	1.0	
CS106	BK	37	2.0	1.0	
CS106	BK	44	4.0	0.5	
CS106	BK	44	3.0	1.0	
CS106	BK	52	2.0	1.0	
CS106	BL	59	1.0	0.5	
CS106	BM	58	1.0	0.5	
CS107	BJ	73	12.5	1.5	
CS107	BK	70	1.5	1.5	
CS107	BK	73	12.5	1.5	
CS107	BK	94	2.0	1.5	
CS107	BK	94	0.5	0.5	
CS107	BL	74	1.0	1.0	
CS107	BL	79	1.5	0.5	
CS107	BL	82	0.5	0.5	
CS107	BM	82	8.0	1.5	
CS107	BM	83	1.5	1.5	
CS108	BJ	101	0.5	0.5	
CS108	BJ	103	0.5	0.5	
CS108	BK	110	0.5	0.5	
CS108	BK	118	12.5	0.5	
CS108	BL	118	1.5	0.5	
CS108	BL	119	1.5	1.0	
CS108	BM	103	1.0	0.5	
CS108	BM	122	1.5	1.0	
CS108	BM	124	0.5	0.5	

1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL B ON SHEET CS501.

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (FT)	D (IN)
CS105	BB	24	5.0	5.0	10.0
CS105	BC	24	5.0	5.0	10.0
CS105	BC	19	3.8	3.0	10.0
CS105	BH	16	5.0	3.0	10.0
CS105	BH	8	5.0	4.5	10.0
CS105	BH	9	5.5	5.0	10.0
CS106	BH	37	12.5	4.0	10.0
CS106	BH	51	3.0	3.0	10.0
CS106	BM	37	5.0	4.0	10.0
CS106	BM	51	3.0	3.0	10.0
CS107	BH	88	3.0	3.0	10.0
CS107	BI	74	3.0	3.0	10.0
CS107	BJ	94	8.0	3.0	10.0
CS107	BM	73	12.5	4.0	10.0
CS107	BM	89	12.5	3.0	10.0
CS108	BJ	102	12.5	4.0	10.0
CS108	BJ	103	12.5	4.0	10.0
CS108	BJ	118	12.5	3.0	10.0
CS108	BK	119	12.5	3.0	10.0
CS108	BM	102	4.0	3.0	10.0
CS108	BM	122	3.0	3.0	10.0
CS108	BM	125	3.5	5.0	10.0

JOINT SEALANT REPAIR SCHEDULE

1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL H ON SHEET CS501.

SHEET	COLUMN	ROW	DIMENSION	W (IN)	D (IN)
			L (FT)		
CS105	AS/AT	24	13.5	4.00	
CS105	AT/AU	13-24	183.0	1.00	
CS105	AX/AY	13-15	45.0	1.00	
CS105	BB/BC	18-24	95.6	1.50	
CS105	BH	1/2	6.9	4.00	
CS105	BC-BF	24/BH	59.4	1.50	
CS105	BH/BI	15	15.0	1.00	
CS105	BH/BI	8	15.0	1.00	
CS105	BH-BM	23/24	75.0	1.25	
CS105	BI-BJ	15/16	25.0	1.50	
CS105	BI-BM	8/9	61.0	2.00	
CS105	BM	15/16	12.5	1.00	
CS106	BH-BM	36/36	75.0	0.50	
CS106	BH-BM	47/48	75.0	0.50	
CS106	BH-BM	50/51	75.0	0.50	
CS106	BH-BM	57/58	75.0	0.50	
CS108	BL/BM	118-119	13.0	2.00	

1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL J ON SHEET CS501.

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (IN)	D (IN)
CS105	BB	18	4.0	0.50	1.00
CS105	BC/BD	22	15.0	0.50	1.00
CS105	BE	24	8.0	0.50	1.00
CS105	BH	14	4.0	0.50	1.00
CS105	BH	28	2.0	0.50	1.00
CS105	BI	2	8.0	0.50	1.00
CS106	BM	43	4.0	0.50	1.00
CS106	BM	59	2.0	0.50	1.00
CS107	BJ	88	1.0	0.50	1.00
CS107	BJ	89	2.0	0.50	1.00
CS108	BL	125	18.0	0.50	1.00
CS108	BM	124	15.0	0.50	1.00

FULL SLAB REPLACEMENT SCHEDULE

1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL B ON SHEET CS501.

SHEET	COLUMN	ROW	DIMENSIONS		
			L (FT)	W (FT)	D (IN)
CS105	BC	20	15.0	5.1	10.0
(PROVIDE REINFORCEMENT)					
CS105	BY	24	15.0	12.5	10.0
CS106	BI	43	15.0	12.5	10.0
CS106	BI	44	15.0	12.5	10.0
CS107	BK	88	15.0	12.5	10.0
CS107	BL	88	15.0	12.5	10.0
CS108	BM	123	15.0		

OPTION 3: NEW WORK SCHEDULE

SPALL REPAIR SCHEDULE

SPALL REPAIR SCHEDULE (CONTINUED)

FULL SLAB REPLACEMENT SCHEDULE

- 1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL A ON SHEET CS501.
- 2. SEE DETAIL FOR DIMENSION "D".

SHEET	COLUMN	ROW	DIMENSIONS		D (IN)
			L (FT)	W (FT)	
CS113	CU	1	1.0	0.5	
CS113	CV	9	0.5	0.5	
CS113	CW	10	0.5	0.5	
CS113	CW	11	0.5	0.5	
CS113	DA	1	0.5	0.5	
CS113	DA	3	0.5	0.5	
CS114	DE	1	2.0	0.5	
CS114	DF	1	3.0	0.5	
CS114	DG	1	3.0	0.5	
CS114	DI	1	3.0	0.5	
CS114	DK	1	3.0	0.5	
CS114	DN	1	2.0	0.5	
CS114	DN	1	0.5	0.5	
CS114	DN	10	0.5	0.5	
CS114	DO	1	0.5	0.5	
CS114	DO	11	2.0	0.5	
CS114	DO	3	0.5	0.5	
CS114	DO	4	2.0	0.5	
CS114	DO	5	2.0	0.5	
CS115	CQ	19	1.0	0.5	
CS115	CQ	19	2.0	1.0	
CS115	CQ	23	2.0	1.0	
CS115	CR	28	2.0	1.0	
CS115	CS	14	2.0	1.5	
CS115	CT	19	0.5	0.5	
CS115	CT	19	0.5	0.5	
CS115	CT	27	0.5	0.5	
CS115	CT	27	2.0	1.5	
CS115	CT	28	8.0	0.5	
CS115	CV	24	3.0	0.5	
CS115	CW	24	3.0	0.5	
CS115	CW	29	1.0	1.0	
CS115	CX	14	0.5	0.5	
CS115	CX	29	1.0	1.0	
CS115	CY	22	1.0	0.5	
CS115	CY	25	2.0	0.5	
CS115	CZ	15	0.5	0.5	
CS115	CZ	21	0.5	0.5	
CS115	DA	15	0.5	0.5	
CS115	DA	21	0.5	0.5	
CS115	DB	15	0.5	0.5	
CS115	DB	17	0.5	0.5	
CS115	DB	21	1.0	1.0	
CS115	DD	12	0.5	0.5	
CS115	DE	19	0.5	0.5	
CS115	DE	20	0.5	0.5	
CS115	DE	20	1.0	0.5	
CS115	DH	15	0.5	0.5	
CS115	DI	14	0.5	0.5	
CS115	DI	25	0.5	0.5	
CS115	DJ	15	0.5	0.5	
CS115	DJ	18	0.5	0.5	
CS115	DK	19	0.5	0.5	
CS115	DL	18	0.5	0.5	

SHEET	COLUMN	ROW	DIMENSIONS		D (IN)
			L (FT)	W (FT)	
CS115	DL	20	0.5	0.5	
CS115	DL	27	0.5	0.5	
CS115	DM	23	0.5	0.5	
CS115	DO	23	5.0	0.5	
CS115	DO	24	12.5	0.5	

ROUTE AND SEAL CRACK SCHEDULE

- 1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL J ON SHEET CS501.

SHEET	COLUMN	ROW	DIMENSIONS		D (IN)
			L (FT)	W (IN)	
CS113	CY	6	3.0	0.50	1.00
CS115	CQ	19/20	14.0	0.50	1.00
CS115	CQ	20	15.0	0.50	1.00
CS115	CQ	24	8.0	0.50	1.00
CS115	CQ	28	10.0	0.50	1.00
CS115	CQ	28	5.0	0.50	1.00
CS115	CT	17	2.0	0.50	1.00
CS115	CT	20	8.0	0.50	1.00
CS115	DB	30	2.8	0.50	1.00
CS115	DB	30	2.0	0.50	1.00
CS115	DB	30	2.3	0.50	1.00
CS115	DB	30	1.8	0.50	1.00
CS115	DB	30	1.8	0.50	1.00
CS115	DF	24	8.0	0.50	1.00
CS115	DG	18	5.5	0.50	1.00
CS115	DG	18	5.5	0.50	1.00
CS115	DG	18	2.0	0.50	1.00
CS115	DG	18	1.3	0.50	1.00
CS115	DG	18	1.3	0.50	1.00
CS115	DG	18	1.3	0.50	1.00
CS115	DO	25	2.0	0.50	1.00
CS115	DO	25	1.3	0.50	1.00
CS115	DO	25	1.8	0.50	1.00
CS115	DO	25	8.8	0.50	1.00

JOINT SEALANT REPAIR SCHEDULE

- 1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL ## ON SHEET CS5##.

SHEET	COLUMN	ROW	DIMENSION		D (IN)
			L (FT)	W (IN)	
CS113	CR-DD	4/5	195.0	0.75	
CS114	DE-DO	4/5	165.0	1.25	

- 1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL B ON SHEET CS501.

SHEET	COLUMN	ROW	DIMENSIONS		D (IN)
			L (FT)	W (FT)	
CS113	CU	10	15.0	12.5	10.0
CS113	CX	11	15.0	12.5	10.0
CS115	CW	12	15.0	12.5	10.0
CS115	CY	14	15.0	12.5	10.0
CS115	DB	26	15.0	12.5	10.0
CS115	DB	28	15.0	12.5	10.0

FULL DEPTH REPAIR SCHEDULE

- 1. PROVIDE REPAIRS IN ACCORDANCE WITH DETAIL B ON SHEET CS501.

SHEET	COLUMN	ROW	DIMENSIONS		D (IN)
			L (FT)	W (FT)	
CS113	CT	5	6.0	3.0	10.0
CS115	CQ	25	7.0	3.0	10.0
CS115	CS	25	6.0	3.0	10.0
CS115	CT	16	3.0	3.0	10.0
CS115	CT	16	7.4	6.4	10.0
CS115	CT	26	7.4	6.2	10.0
CS115	CT	26	12.5	3.0	10.0
CS115	CY	17	3.0	3.0	10.0

CS603

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER

SUBMITTED BY *[Signature]*
PROJECT MANAGER

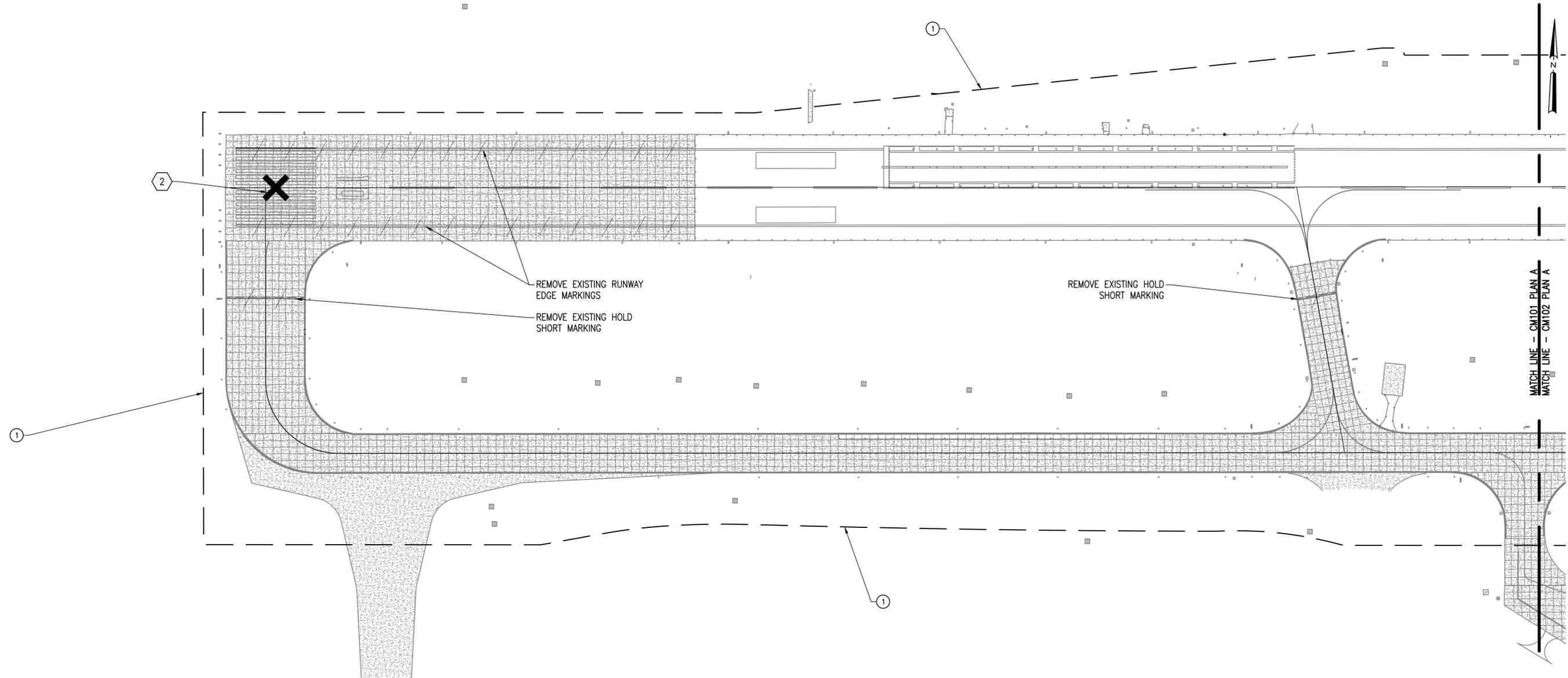
NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

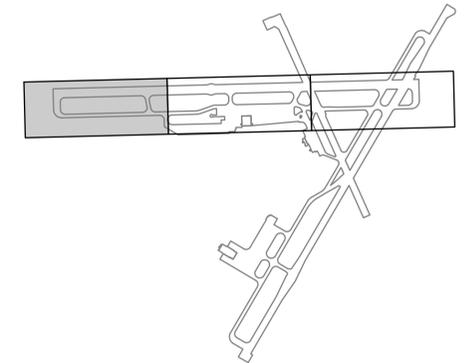
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
NOT TO SCALE
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CS6
SCALE NOT TO SCALE
SHEET 53 OF 72

Wallops Airfield Repair Project
FCLP Phase II
NEW WORK SCHEDULE
PROJECT NUMBER: 1338474
DRAWING NO. 17068
DR. STH
CK. LMH
DATE:
REVISED:



A REMOVAL PLAN (1 OF 3)
1" = 100'



B KEY PLAN
NTS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 100'

AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CM1

SCALE
1" = 100'

SHEET 54 OF 72

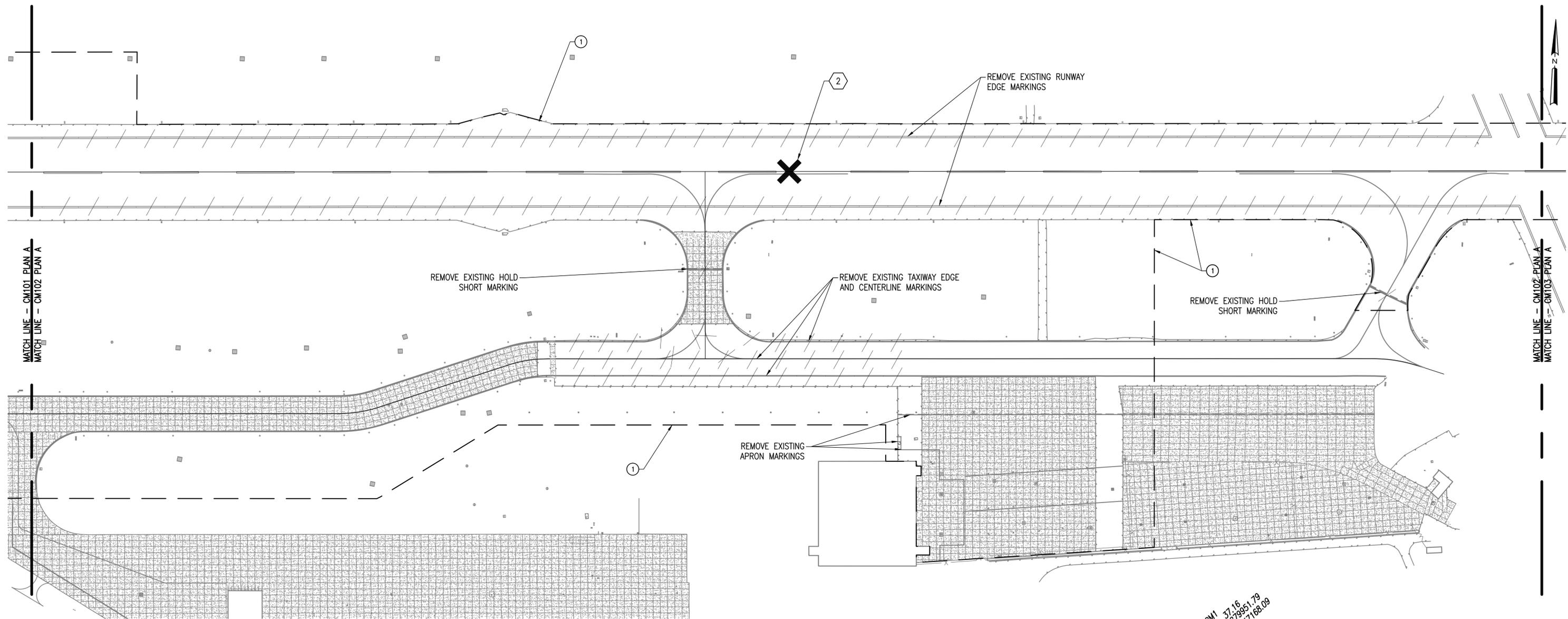
WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
REMOVAL PLAN

PROJECT NUMBER: 1338474
DR. STH
CK. LMH

DATE:
REVISED:

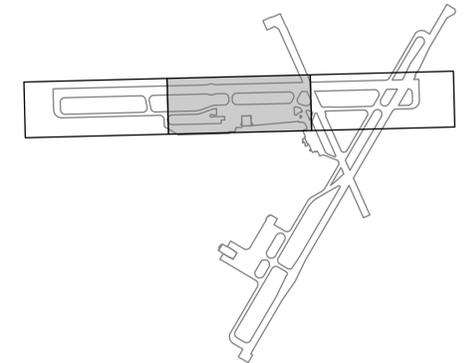
DRAWING NO.
17069

CM101



A REMOVAL PLAN (2 OF 3)
1" = 100'

CM1 37.16
579951.79
7168.09



B KEY PLAN
NTS
CM102

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

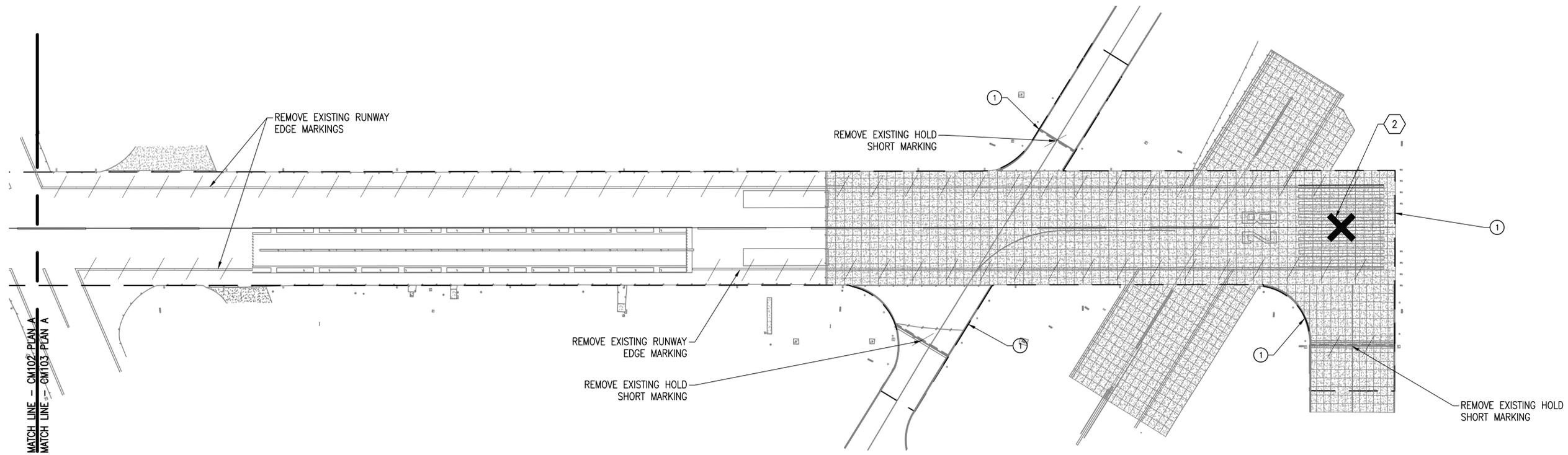
NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

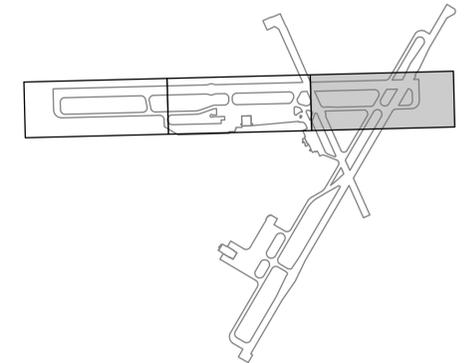
GRAPHIC SCALE
1" = 100' 0' 100' 200'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CM1
SCALE
1" = 100'
SHEET 55 OF 72

Wallops Airfield Repair Project
FCLP Phase II
REMOVAL PLAN
PROJECT NUMBER: 1338474
DRAWING NO. 17070
DR. STH
CK. LMH
DATE:
REVISED:



MATCH LINE - CM102-PLAN A
MATCH LINE - CM103-PLAN A

A REMOVAL PLAN (3 OF 3)
1" = 100'



B KEY PLAN
NTS

CM103

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

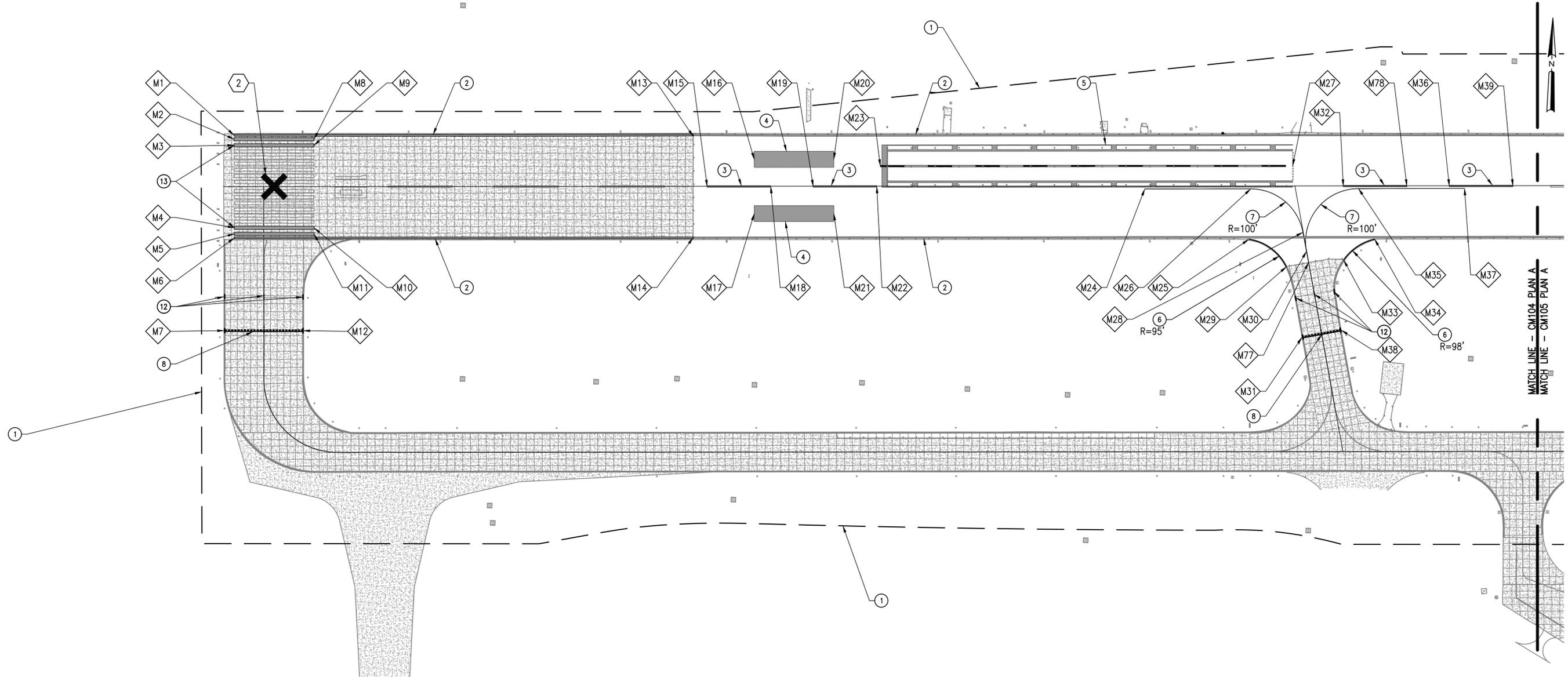
NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 100' 0' 100' 200'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CM1
SCALE
1" = 100'
SHEET 56 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
REMOVAL PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17071



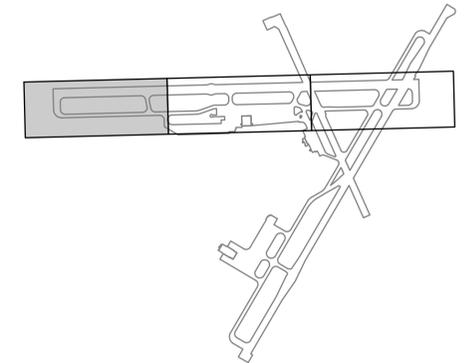
A MARKING PLAN (1 OF 3)
1" = 100'

SHEET NOTES			
1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.			
MARKING LAYOUT INFORMATION			
1. ALL OFFSETS ARE AT THE CENTER TERMINI OR TURNING POINT OF MARKINGS.			
2. MARKING OFFSETS ARE BELOW:			
NAME	ALIGNMENT	STATION	OFFSET
M1	RW 10-28	0+19.86	96.81L
M2	RW 10-28	0+19.92	89.42L
M3	RW 10-28	0+19.94	77.92L
M4	RW 10-28	0+20.28	77.35R
M5	RW 10-28	0+20.30	88.85R
M6	RW 10-28	0+20.28	96.39R
M7	RW 10-28	0+00.58	271.10R
M8	RW 10-28	1+70.25	89.05L
M9	RW 10-28	1+70.28	77.55L

MARKING LAYOUT INFORMATION (CONT.)			
2. MARKING OFFSETS (CONTINUED)			
NAME	ALIGNMENT	STATION	OFFSET
M10	RW 10-28	1+70.51	77.72R
M11	RW 10-28	1+70.54	89.22R
M12	RW 10-28	1+50.69	271.39R
M13	RW 10-28	8+85.91	96.57L
M14	RW 10-28	8+85.47	96.96R
M15	RW 10-28	9+12.19	0.45R
M16	RW 10-28	10+01.10	50.55L
M17	RW 10-28	10+01.03	51.45R
M18	RW 10-28	10+32.19	0.45R
M19	RW 10-28	11+12.19	0.45R
M20	RW 10-28	11+51.10	50.54L
M21	RW 10-28	11+51.10	51.45R
M22	RW 10-28	12+32.19	0.46R
M23	RW 10-28	12+38.95	37.72L
M24	RW 10-28	17+37.73	5.59R

MARKING LAYOUT INFORMATION (CONT.)			
2. MARKING OFFSETS (CONTINUED)			
NAME	ALIGNMENT	STATION	OFFSET
M25	RW 10-28	19+33.96	100.38R
M26	RW 10-28	19+37.73	5.61R
M27	RW 10-28	20+16.71	37.62L
M28	RW 10-28	20+36.07	87.53R
M29	RW 10-28	20+04.95	152.15R
M30	RW 10-28	20+46.54	144.51R
M31	RW 10-28	20+34.24	284.97R
M32	RW 10-28	21+12.19	0.50R
M33	RW 10-28	21+12.82	139.63R
M34	RW 10-28	21+71.28	100.39R
M35	RW 10-28	21+41.01	5.25R
M36	RW 10-28	23+12.19	0.51R
M37	RW 10-28	23+41.01	5.26R
M38	RW 10-28	21+08.06	271.66R
M39	RW 10-28	24+32.19	0.51R

MARKING LAYOUT INFORMATION (CONT.)			
2. MARKING OFFSETS (CONTINUED)			
NAME	ALIGNMENT	STATION	OFFSET
M77	RW 10-28	20+46.54	144.51R
M78	RW 10-28	22+32.19	0.50R



B KEY PLAN
NTS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337

DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

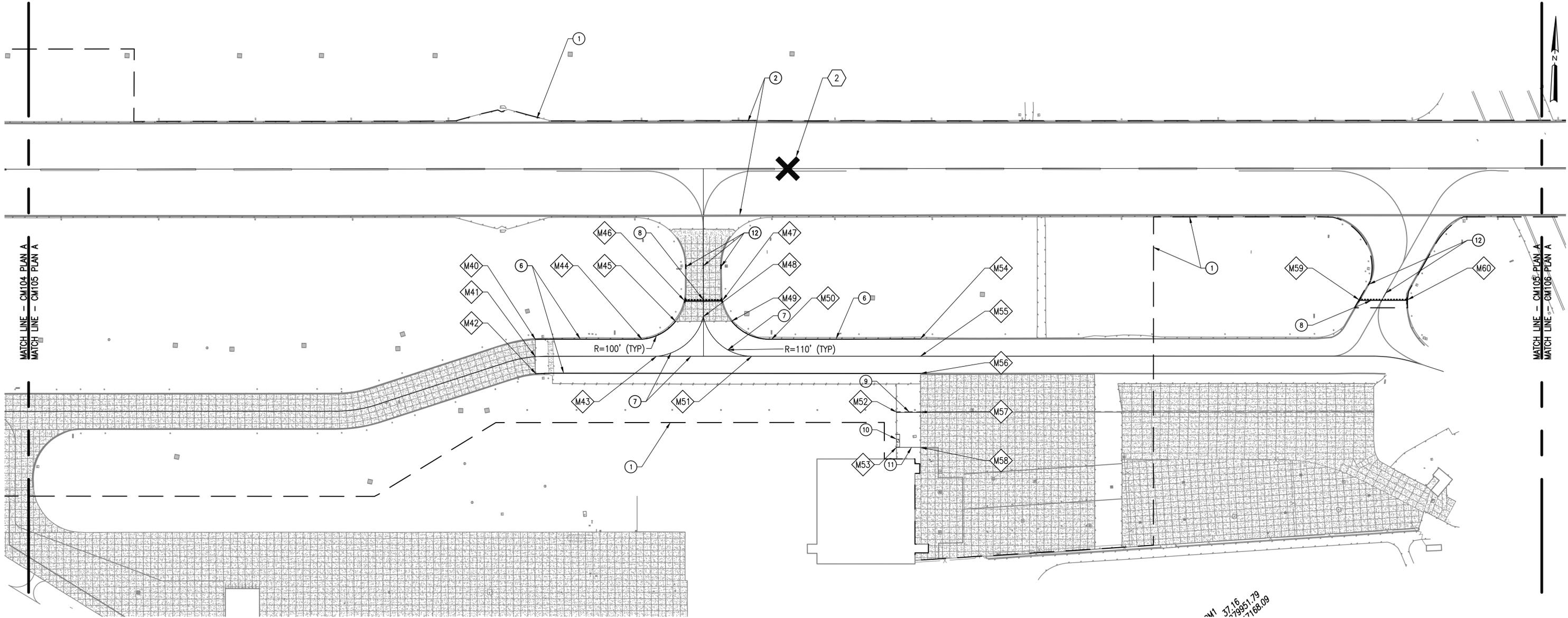
CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 100'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CM1
SCALE
1" = 100'
SHEET 57 OF 72

Wallops Airfield Repair Project
FCLP Phase II
MARKING PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17072

CM104



A MARKING PLAN (2 OF 3)
1" = 100'

31 37.16
579951.79
-7168.09

SHEET NOTES

1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.

MARKING LAYOUT INFORMATION

1. ALL OFFSETS ARE AT THE CENTER TERMINI OR TURNING POINT OF MARKINGS.

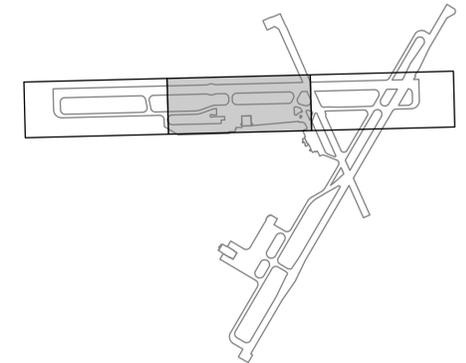
2. MARKING OFFSETS ARE BELOW:

NAME	ALIGNMENT	STATION	OFFSET
M40	TW ALPHA	39+12.22	35.74L
M41	TW ALPHA	39+09.00	0.29L
M42	TW ALPHA	39+05.96	35.00R
M43	TW ALPHA	41+60.06	0.45R
M44	TW ALPHA	41+30.29	35.01L
M45	TW ALPHA	41+99.52	71.91L
M46	RW 10-28	38+35.71	271.88R
M47	RW 10-28	39+15.53	271.76R
M48	TW ALPHA	42+57.29	81.74L

MARKING LAYOUT INFORMATION (CONT.)

2. MARKING OFFSETS (CONTINUED)

NAME	ALIGNMENT	STATION	OFFSET
M49	TW ALPHA	43+15.56	72.40L
M50	TW ALPHA	43+98.36	35.09L
M51	TW ALPHA	43+57.27	0.38R
M52	TW ALPHA	46+56.97	115.62R
M53	TW ALPHA	46+57.03	188.40R
M54	TW ALPHA	47+06.52	35.39L
M55	TW ALPHA	47+06.70	0.30R
M56	TW ALPHA	47+06.91	35.73R
M57	TW ALPHA	47+07.12	115.71R
M58	TW ALPHA	47+07.12	188.44R
M59	RW 10-28	52+33.21	271.79R
M60	RW 10-28	53+33.79	271.88R



B KEY PLAN
NTS

CM105

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER

SUBMITTED BY *[Signature]*
PROJECT MANAGER

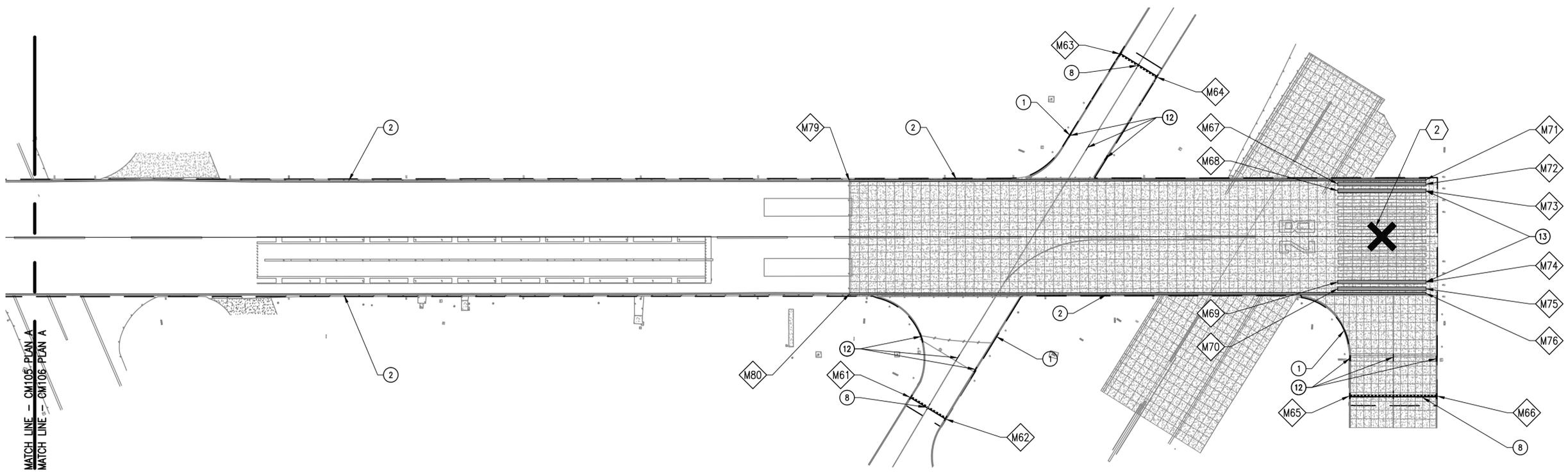
NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
0' 100' 200'
1" = 100'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CM1
SCALE
1" = 100'
SHEET 58 OF 72

Wallops Airfield Repair Project
FCLP Phase II
MARKING PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17073

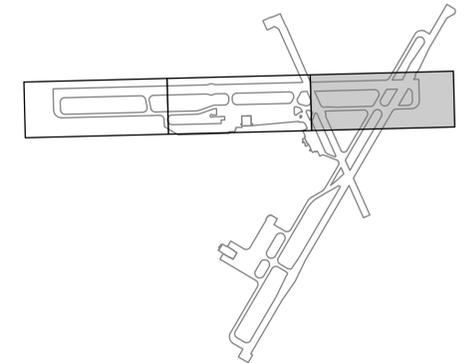


MATCH LINE - CM105-PLAN A
MATCH LINE - CM106-PLAN A

A MARKING PLAN (3 OF 3)
1" = 100'

SHEET NOTES			
1. SEE SHEET C-001 FOR NOTE CALL OUT DEFINITIONS, ABBREVIATIONS, AND DRAWING LEGEND.			
MARKING LAYOUT INFORMATION			
1. ALL OFFSETS ARE AT THE CENTER TERMINI OR TURNING POINT OF MARKINGS.			
2. MARKING OFFSETS ARE BELOW:			
NAME	ALIGNMENT	STATION	OFFSET
M61	RW 10-28	71+05.39	273.14R
M62	RW 10-28	71+66.72	310.50R
M63	RW 10-28	74+63.73	310.95L
M64	RW 10-28	75+27.50	271.24L
M65	RW 10-28	78+54.90	271.47R
M66	RW 10-28	80+04.96	271.77R
M67	RW 10-28	78+35.70	89.32L
M68	RW 10-28	78+35.70	77.82L
M69	RW 10-28	78+35.64	77.33R

MARKING LAYOUT INFORMATION (CONT.)			
2. MARKING OFFSETS (CONTINUED)			
NAME	ALIGNMENT	STATION	OFFSET
M70	RW 10-28	78+35.64	88.83R
M71	RW 10-28	79+85.95	96.47L
M72	RW 10-28	79+85.93	88.95L
M73	RW 10-28	79+85.93	77.45L
M74	RW 10-28	79+85.88	77.69R
M75	RW 10-28	79+85.87	89.19R
M76	RW 10-28	79+85.88	96.82R
M79	RW 10-28	70+02.12	95.48L
M80	RW 10-28	70+02.39	96.80R



B KEY PLAN
NTS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER

SUBMITTED BY
[Signature]
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 100'
0' 100' 200'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CM1
SCALE
1" = 100'
SHEET 59 OF 72

Wallops Airfield Repair Project
FCLP Phase II
MARKING PLAN
PROJECT NUMBER: 1338474
DR. STH
DATE:
CK. LMH
REVISID:
DRAWING NO.
17074

TYPICAL PAINT MARKING NOTES

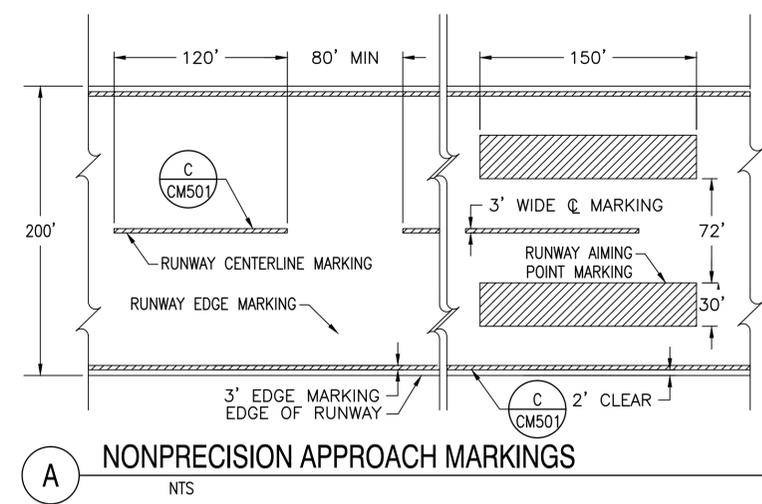
1. ALL STRIPPING SHALL BE RETRO-REFLECTIVE, UNLESS NOTED OTHERWISE.
2. ALL MARKINGS ON CONCRETE PAVEMENT SHALL HAVE A 6 INCH NON RETRO-REFLECTIVE BLACK BORDER.

NONPRECISION APPROACH NOTES

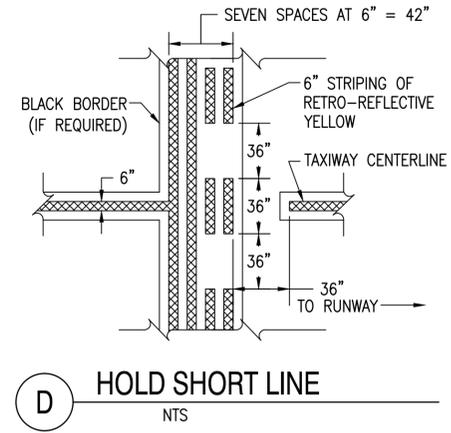
1. ALL MARKINGS SHALL BE RETRO-REFLECTIVE WHITE.
2. MAKE UP DIFFERENCES FOR CENTERLINE LENGTH NEAR MIDDLE OF RUNWAY.

SIMULATED CARRIER DECK NOTES

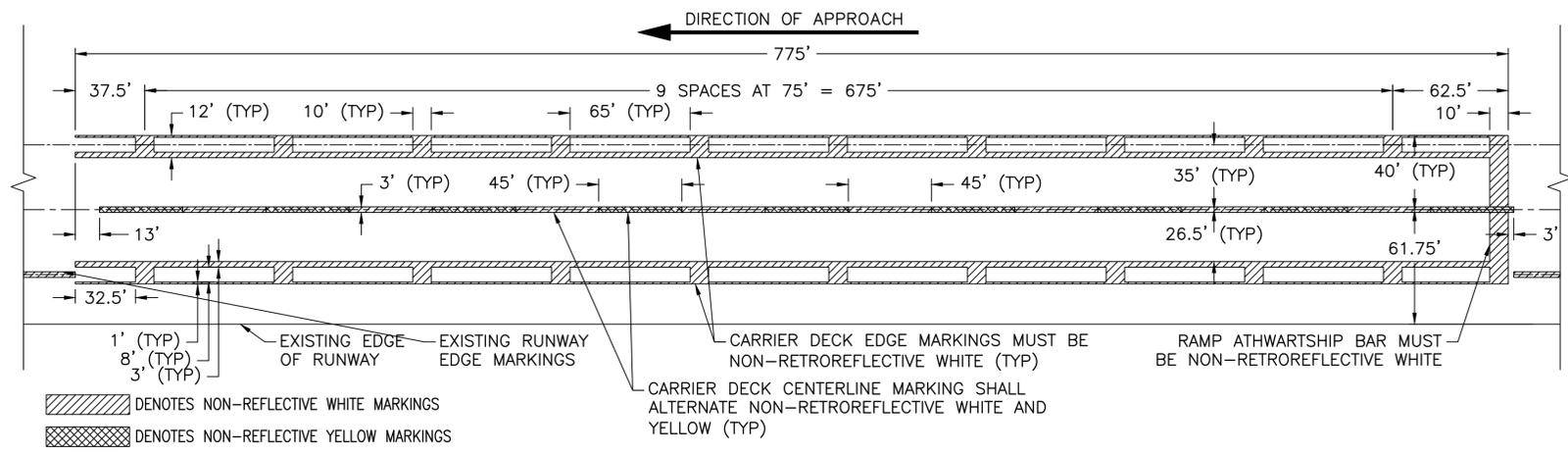
1. DIMENSIONS SHOWN REFERENCE EDGES OF WHITE OR YELLOW PAINT, AND DO NOT INCLUDE 12" BLACK BORDER REQUIRED ON PCC PAVEMENT.
2. CARRIER DECK MARKINGS HAVE PRECEDENCE OVER ANY RUNWAY MARKINGS AND RUNWAY MARKINGS ARE NOT PERMITTED BETWEEN THE CARRIER DECK EDGE MARKINGS.



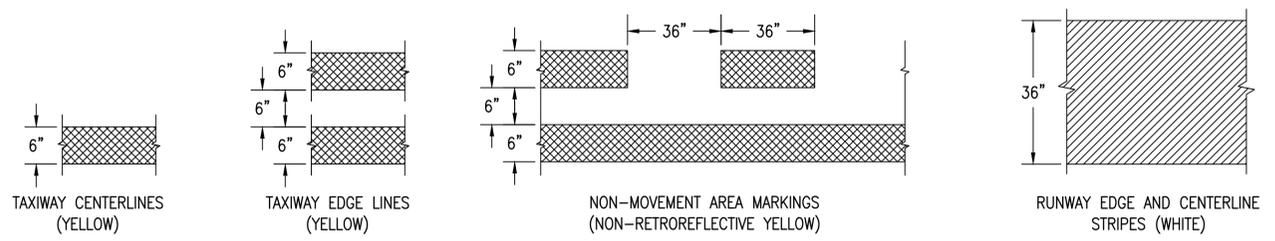
A NONPRECISION APPROACH MARKINGS
NTS



D HOLD SHORT LINE
NTS



B SIMULATED CARRIER DECK MARKINGS
NTS



C TYPICAL PAVEMENT MARKINGS
NTS

CM501

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

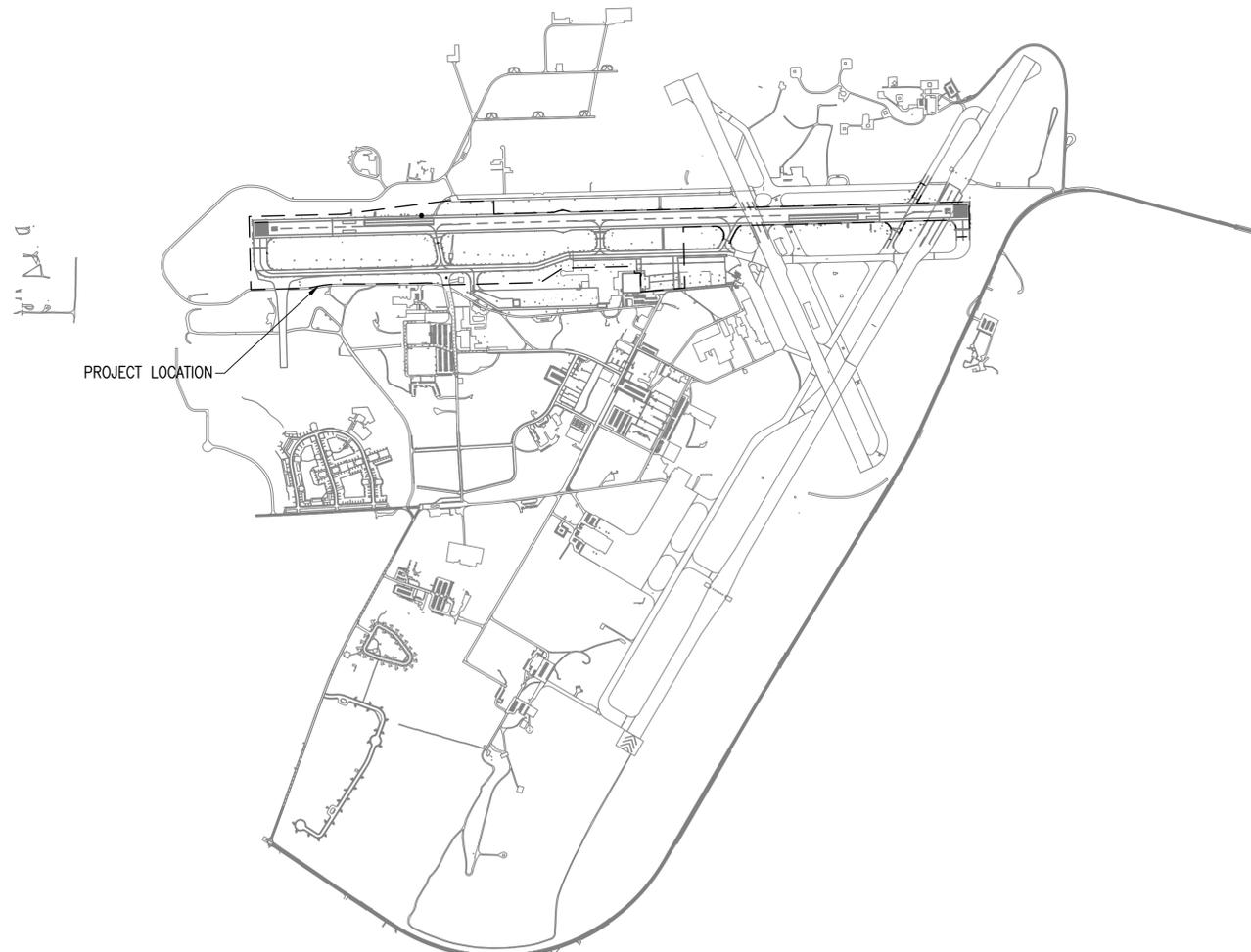
ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
NOT TO SCALE
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-CM5

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
MARKING DETAILS
PROJECT NUMBER: 1338474
DRAWING NO. 17075
SHEET 60 OF 72
DR. STH
CK. LMH
DATE:
REVISED:

WALLOPS AIRFIELD REPAIR PROJECT, FCLP PHASE 2 (A-2A, 2C, R10-1A, 1B, 2A, 2B, 3A, 3B, 6A, TA-1A, 2A, TB-6C, AND TC-7A)

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA



LIST OF EROSION AND SEDIMENT CONTROL SHEETS

SHEET NO.	PAGE NO.	SHEET TITLE
ES001	61	ESC COVER SHEET
ES002	62	ESC NOTES
ES003	63	ESC NOTES
ES101	64	ESC PLAN
ES102	65	ESC PLAN
ES103	66	ESC PLAN
ES104	67	ESC PLAN
ES105	68	ESC PLAN
ES106	69	ESC PLAN
ES107	70	ESC PLAN
ES108	71	ESC PLAN
ES501	72	ESC DETAILS

A VICINITY MAP
1" = 1000'

APPROVED
Erosion and Sediment Control Plan
DATE: _____ DSM PROJECT # _____
REVIEWED: _____
APPROVED: _____
Virginia Division of Stormwater Management

FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

ES001

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 1000'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-ES
SCALE
1" = 1000'
SHEET 61 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
ESC COVER SHEET
PROJECT NUMBER: 1338474
DR. STH
CK. LMH

DRAWING NO.
17076

EROSION & SEDIMENT CONTROL MINIMUM STANDARDS

- PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN FOURTEEN (14) DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE (1) YEAR.
- SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES.
- A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.
- SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.
- STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.
- SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN.
 - THE MINIMUM STORAGE CAPACITY OF A SEDIMENT TRAP SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA AND THE TRAP SHALL ONLY CONTROL DRAINAGE AREAS LESS THAN THREE (3) ACRES.
 - SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COMPRISED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE (3) ACRES SHALL BE CONTROLLED BY A SEDIMENT BASIN. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT BASIN SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA. THE OUTFALL SYSTEM SHALL, AT A MINIMUM, MAINTAIN THE STRUCTURAL INTEGRITY OF THE BASIN DURING A 25-YEAR STORM OF 24-HOUR DURATION. RUNOFF COEFFICIENTS USED IN RUNOFF CALCULATIONS SHALL CORRESPOND TO A BARE EARTH CONDITION OR THOSE CONDITIONS EXPECTED TO EXIST WHILE THE SEDIMENT BASIN IS UTILIZED.
- CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE (1) YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.
- CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME, OR SLOPE DRAIN STRUCTURE.
- WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.
- ALL STORM SEWER INLETS THAT ARE MADE OPERATIONAL DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.
- WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIALS.
- WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD, A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NONERODIBLE MATERIAL SHALL BE PROVIDED.
- ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET.
- THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.
- UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
 - NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
 - EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
 - EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
 - MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
 - RESTALLIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
 - APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.
- WHERE CONSTRUCTION VEHICLES ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL DEVELOPMENT LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM AUTHORITY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DEPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
- PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA:
 - CONCENTRATED STORMWATER RUNOFF LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL OR MAN-MADE RECEIVING CHANNEL, PIPE OR STORM SEWER SYSTEM. FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ANALYSES AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM SHALL BE PERFORMED.

EROSION & SEDIMENT CONTROL MINIMUM STANDARDS (CONTINUED)

- (CONTINUED)
 - ADEQUACY OF ALL CHANNELS AND PIPES SHALL BE VERIFIED IN THE FOLLOWING MANNER:
 - DEMONSTRATE THAT THE TOTAL DRAINAGE AREA TO THE POINT OF ANALYSIS WITHIN THE CHANNEL IS ONE HUNDRED TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT; OR
 - NATURAL CHANNELS SHALL BE ANALYZED BY THE USE OF A 2-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP CHANNEL BANKS NOR CAUSE EROSION OF CHANNEL BED OR BANKS. ALL PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS SHALL BE ANALYZED BY THE USE OF A 10-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A 2-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE EROSION OF CHANNEL BED OR BANKS; AND PIPES AND STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF A 10-YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED WITHIN THE PIPE OR SYSTEM.
 - IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS OR PIPES ARE NOT ADEQUATE, THE APPLICANT SHALL:
 - IMPROVE THE CHANNELS TO A CONDITION WHERE A 10-YEAR STORM WILL NOT OVERTOP THE BANKS AND A 2-YEAR STORM WILL NOT CAUSE EROSION TO THE CHANNEL BED OR BANKS; OR
 - IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE 10-YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES;
 - DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PREDEVELOPMENT PEAK RUNOFF RATE FROM A 2-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A NATURAL CHANNEL OR WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A 10-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A MAN-MADE CHANNEL; OR
 - PROVIDE A COMBINATION OF CHANNEL IMPROVEMENTS, STORMWATER DETENTION OR OTHER MEASURES WHICH IS SATISFACTORY TO THE PLAN-APPROVING AUTHORITY TO PREVENT DOWNSTREAM EROSION.
 - THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS.
 - ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT.
 - IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE/SHE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH THE MAINTENANCE REQUIREMENTS OF THE FACILITY AND THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE.
 - OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS SHALL BE PLACED AT THE OUTFALL OF ALL DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABILIZED TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL.
 - ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE.
 - INCREASED VOLUMES OF SHEET FLOWS THAT MAY CAUSE EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY.
 - IN APPLYING THESE STORMWATER MANAGEMENT CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT, AS A WHOLE, SHALL BE CONSIDERED TO BE A SINGLE DEVELOPMENT PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT CONDITION SHALL BE USED IN ALL ENGINEERING CALCULATIONS.
 - ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EMPLOYED IN A MANNER WHICH MINIMIZES IMPACTS ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS AND OTHER WATERS OF THE STATE.

EROSION & SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION:
THIS PROJECT CONSISTS OF ROUTINE ASPHALT CONCRETE AND PORTLAND CEMENT CONCRETE MAINTENANCE (ISOLATED CONCRETE REPAIRS, UNPAVED SHOULDER REGRADING, AND ASPHALT MILL AND OVERLAY) OF 15.9 ACRES. LAND DISTURBANCE DUE TO THIS CONSTRUCTION IS 90.7 ACRES. THE EXISTING SITE INCLUDES 38.0 ACRES OF IMPERVIOUS AREA (41.8%). THE PROPOSED PROJECT WILL MAKE NO CHANGES TO EXISTING DRAINAGE PATTERNS OR IMPERVIOUS AREA. SEDIMENT CONTROL FOR THE PROPOSED CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE POLICIES AND REQUIREMENTS OF THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK. THIS PLAN PROPOSES EROSION AND SEDIMENT CONTROL IN TWO SEPARATE PHASES. THE FIRST PHASE WILL ESTABLISH THE CONTROLS RELATED TO INITIAL CLEARING AND ROUGH GRADING OPERATIONS. THE SECOND PHASE IS TAILORED TO CONTROL SEDIMENT DURING THE FINAL DEVELOPMENT STAGE.

EXISTING SITE CONDITIONS:
THE EXISTING SITE IS GENERALLY DEVELOPED AND COVERED WITH IMPERVIOUS AIRFIELD PAVEMENT OR GRASSED OPEN SPACE DESIGNATED AS AN "OBJECT FREE AREA" PER FAA CRITERIA. THE EXISTING SLOPE RANGES FROM 0% TO 5%. THE SITE DRAINS THROUGH OVERLAND CONVEYANCES AND EMPTIES INTO THE UNDERGROUND STORM SEWER VIA AN EXISTING INLETS LOCATED THROUGHOUT THE SITE.

ADJACENT PROPERTY:
THE SITE IS BOUNDED BY IMPERVIOUS AIRFIELD PAVEMENT OR GRASSED OPEN SPACE ON ALL SIDES. THE POTENTIAL FOR OFFSITE DAMAGES IS NEGLIGIBLE. THERE ARE NO KNOWN OFF SITE ENVIRONMENTALLY SENSITIVE AREAS. PERIMETER CONTROLS TO BE USED TO PROTECT THE ADJACENT AREAS INCLUDE SILT FENCE, PERMANENT SEEDING, AND A INLET PROTECTION. SEE THE EROSION CONTROL PLAN FOR ALL PERIMETER CONTROLS

OFF-SITE AREAS:
NO OFFSITE BORROW OR DISPOSAL SITES AREA EXPECTED. ANY ADDITIONAL OFFSITE LAND-DISTURBING ACTIVITY ASSOCIATED WITH THIS PROJECT MUST HAVE AN APPROVED EROSION AND SEDIMENT CONTROL PLAN.

SOILS DATA:
THE SUBSURFACE SOILS AT THE SITE CONSIST OF IMPERVIOUS AIRFIELD PAVEMENT OF VARIOUS THICKNESS OVER BROWN FINE TO MEDIUM SILTY SAND (SM) MATERIAL. GRASSED OPEN SPACE AREAS ARE CONSIDERED TO CONSIST OF PRIMARILY BOJAC FINE SANDY LOAM OR MOLENA LOAMY SAND ACCORDING TO THE USDA WEB SOIL SURVEY AND SITE INSPECTIONS.

CRITICAL AREAS:
SPECIAL CARE SHALL BE TAKEN TO PROTECT THE VEGETATION ON THE SITE. ADDITIONAL MEASURES WILL BE IN PLACE TO CONTROL AIRFIELD FOREIGN OBJECT DAMAGE (FOD). THE FOB PREVENTION PROGRAM WILL INCLUDE MEASURE, CLEANING, AND ROUTINE INSPECTION OF AIRFIELD PAVEMENTS.

EROSION & SEDIMENT CONTROL NARRATIVE (CONTINUED)

SEDIMENT CONTROL PROGRAM:
SEDIMENT CONTROL SHALL BE ACCOMPLISHED THROUGH RAPID STABILIZATION AND BY THE INSTALLATION OF MECHANICAL DEVICES, AS SHOWN ON THE E&S PLAN:

STRUCTURAL PRACTICES:

- SILT FENCE (SF). DETAIL HAS BEEN MODIFIED TO SATISFY AIRFIELD CRITERIA WITH REGARD TO FOD.
- INLET PROTECTION (IP)

VEGETATIVE PRACTICES:

- SURFACE ROUGHENING -AREAS TO BE SEEDDED SHALL BE LIGHTLY ROUGHENED & LOOSE TO A DEPTH OF 2" TO 4" PRIOR TO SEEDING. AREAS, WHICH HAVE BEEN GRADED AND WILL NOT BE STABILIZED IMMEDIATELY, MAY BE ROUGHENED TO REDUCE VELOCITY UNTIL SEEDING TAKES PLACE.
- TOP SOILING (STOCKPILES) -TOPSOIL WILL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILE LOCATIONS SHALL BE LOCATED ON-SITE IN OPEN SPACE AREAS AND TO BE STABILIZED WITH TEMPORARY VEGETATION. SILT FENCES SHALL BE INCLUDED AROUND ALL STOCKPILE AREAS.
- TEMPORARY SEEDING -ALL DENUDED AREAS THAT WILL BE LEFT DORMANT FOR EXTENDED PERIODS OF TIME PER MINIMUM STANDARD NO. 1 SHALL BE SEEDDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING. SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF THE YEAR IT IS APPLIED.
- EROSION CONTROL BLANKETS OR MULCH -EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND SEEDDED TO PROTECT THE SLOPES FROM RILL AND GULLY EROSION AND ALLOW THE SEED TO GERMINATE PROPERLY. MULCH (STRAW OR FIBER) WILL BE USED ON RELATIVELY FLAT AREAS AND WILL BE APPLIED AS A SECOND STEP IN THE SEEDING OPERATION.
- ALL SILTATION CONTROL MEASURES ARE INTENDED TO PREVENT SEDIMENT FROM ENCROACHING INTO ENVIRONMENTALLY SENSITIVE AREAS OR ONTO ADJACENT PROPERTIES AND ROADWAYS. THE INSPECTOR HAS THE AUTHORITY TO ADD OR DELETE EROSION AND SEDIMENT CONTROLS IN THE FIELD AS SITE CONDITIONS WARRANT. IN ADDITION, NO SEDIMENT TRAPS OR SEDIMENT BASINS MAY BE REMOVED WITHOUT THE PRIOR APPROVAL OF THE INSPECTOR. SEDIMENT CONTROL "MAINTENANCE PROGRAM" DESCRIBED BELOW.
- OBTAIN INSPECTOR'S APPROVAL PRIOR TO THE REMOVAL OF THE REMAINING MECHANICAL SEDIMENT CONTROLS.

PERMANENT STABILIZATION:
ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING. SEEDING SHALL BE DONE WITH KENTUCKY 31 TALL FESCUE ACCORDING TO STD. & SPEC. 3.32, PERMANENT SEEDING, OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDDED. THIS WILL PROTECT THE SLOPES FROM RILL AND GULLY EROSION AND ALLOW THE SEED TO GERMINATE PROPERLY. MULCH (STRAW OR FIBER) WILL BE USED ON RELATIVELY FLAT AREAS. IN ALL SEEDING OPERATIONS, SEED, FERTILIZER AND LIME WILL BE APPLIED PRIOR TO MULCHING.

STORMWATER MANAGEMENT:
STORMWATER RUNOFF SHALL BE CONVEYED OVER GRASSED OPEN SPACE PRIOR TO COLLECTION BY VARIOUS DROP INLETS THROUGHOUT PROJECT SITE.

MAINTENANCE PROGRAM:
IN GENERAL ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL EVENT. THE FOLLOWING MEASURES WILL BE CHECKED IN PARTICULAR:
SILT FENCE: INSPECTIONS SHALL BE MADE DAILY FOR FENCE INTEGRITY; REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT IS TO BE REMOVED WHEN DEPOSITS REACH ONE-HALF THE FENCE HEIGHT.
INLET PROTECTION: INLETS SHALL BE CHECKED FOR SEDIMENT ACCUMULATION AS NEEDED.
PERMANENT SEEDING: SEEDDED AREAS SHALL BE CHECKED REGULARLY TO ASSURE A GOOD STAND OF GRASS IS BEING MAINTAINED. AREAS THAT FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT RILL EROSION SHALL BE RE-SEEDDED AS SOON AS THEY ARE IDENTIFIED.

PHASING OF LAND DISTURBING ACTIVITIES:
SEDIMENT CONTROL IS PROVIDED THROUGH A TWO-PHASED APPROACH.
PHASE I:
PHASE I OPERATIONS WILL INCLUDE THE CONSTRUCTION NEEDED TO DIVERT MAJOR OFF-SITE CLEAN WATER AND ON-SITE DRAINAGE FLOWS AROUND THE WORK AREA AND CONTROL EROSION AND SILTATION ASSOCIATED WITH INITIAL CLEARING AND GRADING OPERATIONS. AS REQUIRED, PHASE I CONTROLS SHALL BE ESTABLISHED IN A ONE (1) STEP PROCESS:

- CONTRACTOR TO OBTAIN VPDES PERMIT. CONTRACTOR, RESPONSIBLE LAND DISTURBER AND CONSTRUCTION MANAGER SHALL ATTEND A PRE-CONSTRUCTION MEETING WITH THE INSPECTOR PRIOR TO STARTING ANY LAND DISTURBING ACTIVITIES.
- INSTALL CONSTRUCTION ENTRANCE (CE) AS SHOWN ON THE PLAN. PROVIDE THE CONSTRUCTION ENTRANCE WITH WASH RACK AND ESTABLISH A PROTECTED STAGING AND EQUIPMENT PARKING AREA.
- INSTALL THE REMAINING MECHANICAL CONTROLS SUCH AS SILT FENCE (SF), INLET PROTECTION (IP) AND TREE PROTECTION (TP) AS SHOWN ON THE PLAN.
- INSTALL SEDIMENT TRAP AND BASIN ALONG WITH THE APPROPRIATE CONTROLS, AS SHOWN ON THE PLAN.
- CONTACT THE INSPECTOR FOR AN E&S PERIMETER INSPECTION PRIOR TO STARTING THE CLEARING AND GRUBBING OF REMAINING SITE.
- CLEARING AND GRUBBING OR REMOVAL OF EXISTING VEGETATION MUST BE LIMITED WITHIN THE LIMITS OF CLEARING, AS SHOWN ON THE PLAN.

PHASE II:
THE PHASE II SEDIMENT CONTROL MEASURES ARE INTENDED FOR THE FINAL STAGES OF SITE DEVELOPMENT. PHASE I CONTROL MEASURES, WHICH ARE NOT IN CONFLICT WITH FINAL CONSTRUCTION AND PROVIDE EFFECTIVE CONTROL, SHALL REMAIN IN PLACE FOR FINAL DEVELOPMENT. THE CONTRACTOR AND THE RESPONSIBLE LAND DISTURBER SHALL FOLLOW THE INSPECTOR'S DIRECTION IN PROVIDING ADDITIONAL CONTROL MEASURES NEEDED DURING THE DEVELOPMENT PROCESS, TO INSURE THAT SEDIMENT IS PREVENTED FROM POLLUTING OFF-SITE AREAS, STREAMS AND/OR PROTECTED ON-SITE AREAS.

THE FOLLOWING SEQUENCE OF CONSTRUCTION IS SUGGESTED:

- ROUGH GRADE AREAS DESIGNATED FOR REGRADING.
- FINE GRADE AREAS DESIGNATED FOR REGRADING AND PERMANENTLY STABILIZE SITE BY SURFACE ROUGHENING FOLLOWED BY PLANTING AND SEEDING.
- PROVIDE ALL OTHER PAVEMENT REPAIRS.

FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

ES002

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION GODDARD SPACE FLIGHT CENTER WALLOPS FLIGHT FACILITY WALLOPS ISLAND, VIRGINIA 23337	DATE	LET.	REVISIONS	CK.	AP.	PROJECT ENGINEER	NASA SAFETY	CONSTRUCTION MANAGEMENT	ENGINEERING APPROVAL	GRAPHIC SCALE	WALLOPS AIRFIELD REPAIR PROJECT FCLP PHASE II		
										NOT TO SCALE	ESC NOTES		
						SUBMITTED BY	FIRE PROTECTION	O & M	ENGINEERING GROUP LEADER	AUTOCAD - RELEASE 2010 FILE NAME: '2-1337236-ES	SCALE NOT TO SCALE	PROJECT NUMBER: 1338474	DRAWING NO.
						PROJECT MANAGER			BRANCH APPROVAL	SHEET 62 OF 72	DR. STH DATE:	CK. LMH REVISED:	17077

EROSION & SEDIMENT CONTROL NARRATIVE (CONTINUED)

DEVICES SHOWN ARE TO BE CONSIDERED AS MINIMUM EROSION AND SEDIMENTATION CONTROLS. ADDITIONAL CONTROLS MAY BE NECESSARY DUE TO CONTRACTOR'S PHASING OR OTHER UNANTICIPATED CONDITIONS. THE EROSION AND SEDIMENT CONTROL INSPECTOR HAS THE RIGHT TO ADD OR REMOVE CONTROLS AS DEEMED NECESSARY IN THE FIELD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADDITIONAL DEVICES AS NECESSARY IN ORDER TO CONTROL EROSION AND SEDIMENTATION AT NO ADDITIONAL COST TO THE GOVERNMENT. EROSION AND SEDIMENTATION MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION. THE CONTRACTOR IS TO PROVIDE ADEQUATE MEANS OF CLEANING AND REMOVING ALL LAYING DUST AS NECESSARY BY APPLYING EITHER MOISTURE, CALCIUM CHLORIDE, OR OTHER APPROVED MATERIALS ALONG THOSE SECTIONS OF THE PROJECT ADJACENT TO EXISTING FACILITIES OR PUBLIC ACCESS. CONTROLS MAY BE REMOVED AFTER THE AREAS ABOVE THEM HAVE BEEN STABILIZED AND WITH THE APPROVAL OF THE INSPECTOR.

SPECIAL CARE NOTES:

IT IS THE INTENT OF THIS PLAN TO PRECLUDE SEDIMENT POLLUTION FROM LEAVING THE DELINEATED CONSTRUCTION ZONES.

THE CONTRACTOR AND THE RESPONSIBLE LAND DISTURBER SHALL TAKE SPECIAL CARE TO PREVENT CONSTRUCTION DEBRIS AND MUD FROM BEING TRACKED ONTO SURROUNDING ROADS. CONSTRUCTION TRAFFIC SHALL ONLY ENTER AND EXIT THE CONSTRUCTION SITE VIA DESIGNATED LOCATIONS, WHICH HAVE WORKING CONSTRUCTION TRAFFIC WASH RACKS.

THE CONTRACTOR AND RESPONSIBLE LAND DISTURBER SHALL TAKE SPECIAL CARE TO PROTECT THE EXISTING VEGETATION AND STREAMS OUTSIDE OF THE DESIGNATED LIMITS OF WORK SHOWN ON THE PLANS.

EROSION & SEDIMENT CONTROL GENERAL NOTES

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS.
2. THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
3. ALL APPROPRIATE EROSION CONTROL MEASURES SUCH AS, BUT NOT LIMITED TO, TREE PROTECTION, SILT FENCE, CONSTRUCTION ENTRANCE, SEDIMENT TRAPPING FACILITIES, AND INLET PROTECTION SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MUST BE REVIEWED AND APPROVED BY THE INSPECTOR BEFORE ANY CLEARING OPERATIONS BEGIN.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND LAND DISTURBANCE PERMIT MUST BE MAINTAINED AT THE SITE FOR THE DURATION OF ALL CONSTRUCTION AND LAND-DISTURBING ACTIVITIES.
5. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL APPROVED MEASURES AS SHOWN ON THE DRAWINGS. ANY ADDITIONAL MEASURES DEEMED REQUIRED BY THE PLAN APPROVING AUTHORITY SHALL BECOME PART OF THE EROSION AND SEDIMENT CONTROL PLAN FOR THE PROPERTY. ALL FIELD CHANGES MUST BE APPROVED BY THE PLAN APPROVING AUTHORITY.
6. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
7. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL MEASURES TO PREVENT SOIL FROM ERODING ONTO ADJACENT PROPERTY, STREETS, DRAINAGE SYSTEMS, AND WATERWAYS. ALL DEVICES SHALL BE CLEANED OF MUD, DEBRIS, AND OTHER ERODED MATERIAL DURING THE SITE CLEARING AND DEVELOPMENT. INSPECTION OF DEVICES SHALL BE AT A MINIMUM EVERY TWO (2) WEEKS AND REQUIRED AFTER EVERY RAINFALL EVENT. ALL INSPECTION AND MAINTENANCE ACTIVITIES SHALL BE DOCUMENTED AND AVAILABLE FOR REVIEW AT THE PLAN REVIEWING AUTHORITIES REQUEST.
8. TEMPORARY AND PERMANENT SEEDING OPERATIONS SHALL BE INITIATED WITHIN SEVEN (7) DAYS AFTER REACHING FINAL GRADE OR UPON SUSPENSION OF GRADING OPERATIONS FOR ANTICIPATED DURATION OF GREATER THAN FOURTEEN (14) DAYS OR UPON COMPLETION OF GRADING OPERATIONS FOR A SPECIFIC AREA.
9. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE KEPT IN PLACE FOR THE DURATION OF THE CLEARING AND CONSTRUCTION OPERATIONS AND AT A MAXIMUM FOR THE SPECIFIED TIME FOR EACH MEASURE AS IDENTIFIED IN THE VESC HANDBOOK, OR WHEN FULL STABILIZATION HAS OCCURRED FOR THE ENTIRE SITE. A FINAL INSPECTION BY THE PLAN APPROVING AUTHORITY SHALL DETERMINE WHEN THIS FACT IS ACCOMPLISHED AND ALL TEMPORARY MEASURES AND DEVICES CAN BE REMOVED.
10. THE CONTRACTOR SHALL MONITOR AND TAKE PRECAUTIONS TO CONTROL DUST AND OTHER AIR POLLUTANTS, INCLUDING BUT NOT LIMITED TO USING WATER OR CHEMICALS, LIMITING THE NUMBER OF VEHICLES ALLOWED ONSITE, MINIMIZING THE OPERATING SPEED OF ALL VEHICLES, ETC. ALSO, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE DAILY SWEEPING SHOULD SEDIMENT ACCUMULATE ON PAVED SURFACES.

REGISTERED LAND DISTURBER

THE CONTRACTOR SELECTED TO COMPLETE THE REGULATED LAND DISTURBING ACTIVITY AS SHOWN ON THESE DRAWINGS IS RESPONSIBLE FOR IMPLEMENTING THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS. PRIOR TO THE COMMENCEMENT OF THIS ACTIVITY, IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL LAW, THE CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL HOLDING A CERTIFICATE OF COMPETENCE WITH THE COMMONWEALTH OF VIRGINIA AS THE PERSON RESPONSIBLE FOR CARRYING OUT THE APPROVED PLAN, AND PROVIDE THE NAME OF THAT INDIVIDUAL TO THE PLAN APPROVING AUTHORITY.

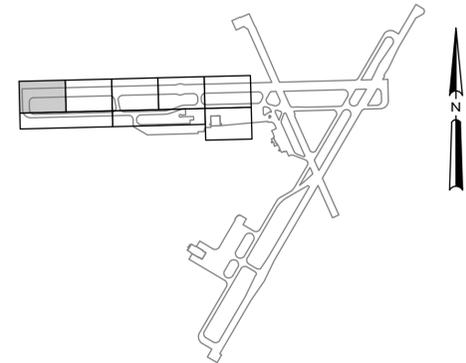
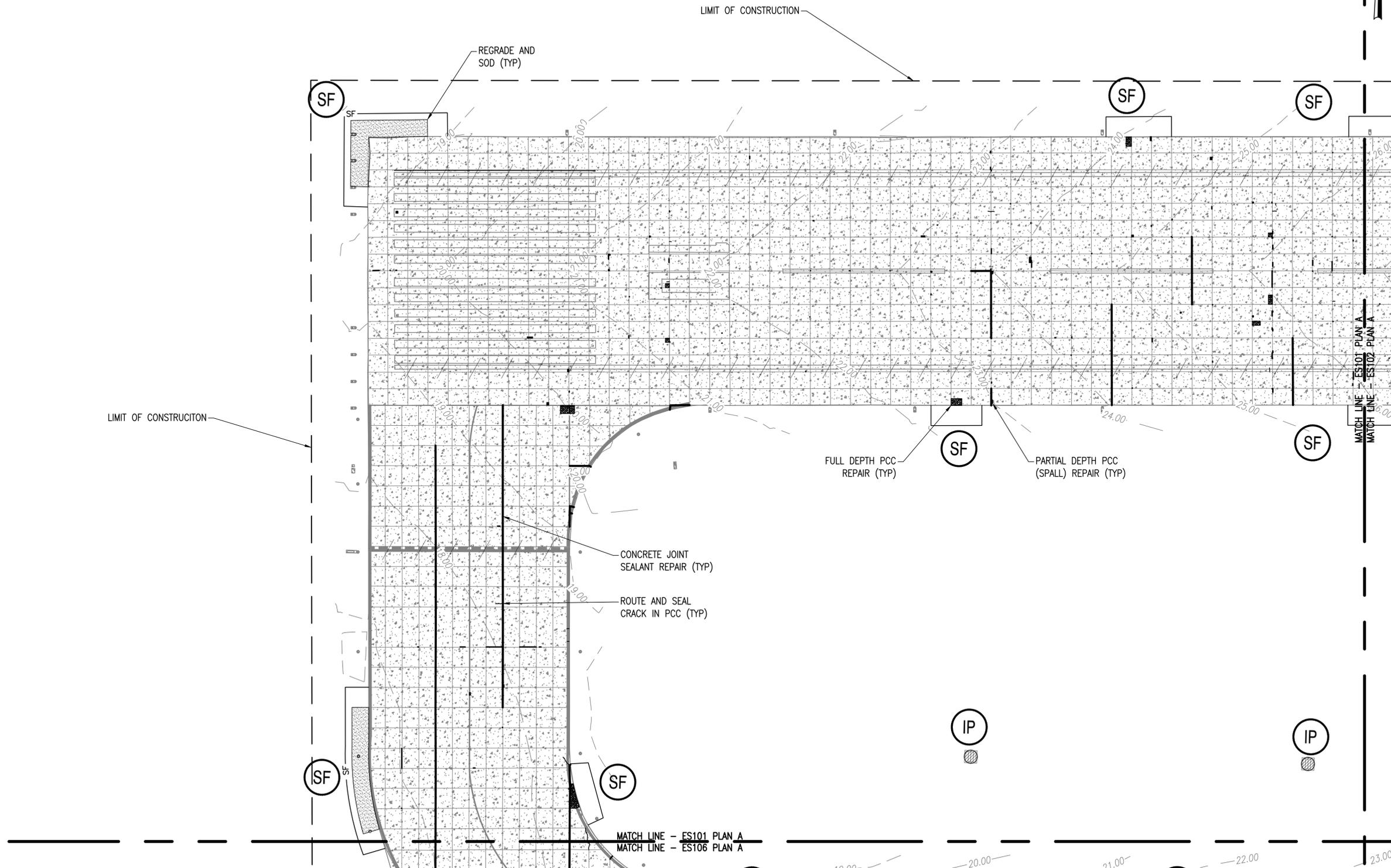
FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

ES003

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION GODDARD SPACE FLIGHT CENTER WALLOPS FLIGHT FACILITY WALLOPS ISLAND, VIRGINIA 23337		DATE	LET.	REVISIONS	CK.	AP.	PROJECT ENGINEER	NASA SAFETY	CONSTRUCTION MANAGEMENT	ENGINEERING APPROVAL	GRAPHIC SCALE	WALLOPS AIRFIELD REPAIR PROJECT FCLP PHASE II ESC NOTES			
									 4/17/15	 4/17/15	 ENGINEERING GROUP LEADER	NOT TO SCALE	PROJECT NUMBER: 1338474	DRAWING NO.	
							 PROJECT MANAGER	 4/17/15	O & M 4/17/15	BRANCH APPROVAL BRANCH HEAD	AUTOCAD - RELEASE 2010 FILE NAME: '2-1337236-ES'	SCALE NOT TO SCALE SHEET <u>63</u> OF <u>72</u>	DR. STH CK. LMH	DATE: REVISED:	17078

EROSION & SEDIMENT CONTROL LEGEND

- SF — SILT FENCE
- ⊘ IP INLET PROTECTION



A EROSION AND SEDIMENT CONTROL PLAN (1 OF 10)
1" = 40'

B KEY PLAN
NTS

FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
[Signature]
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

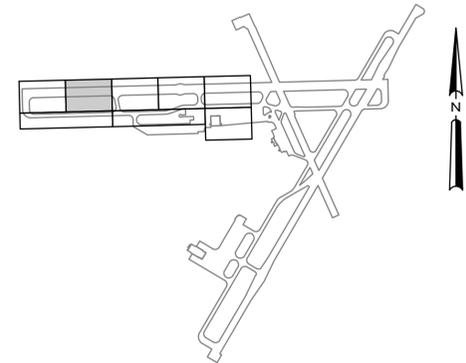
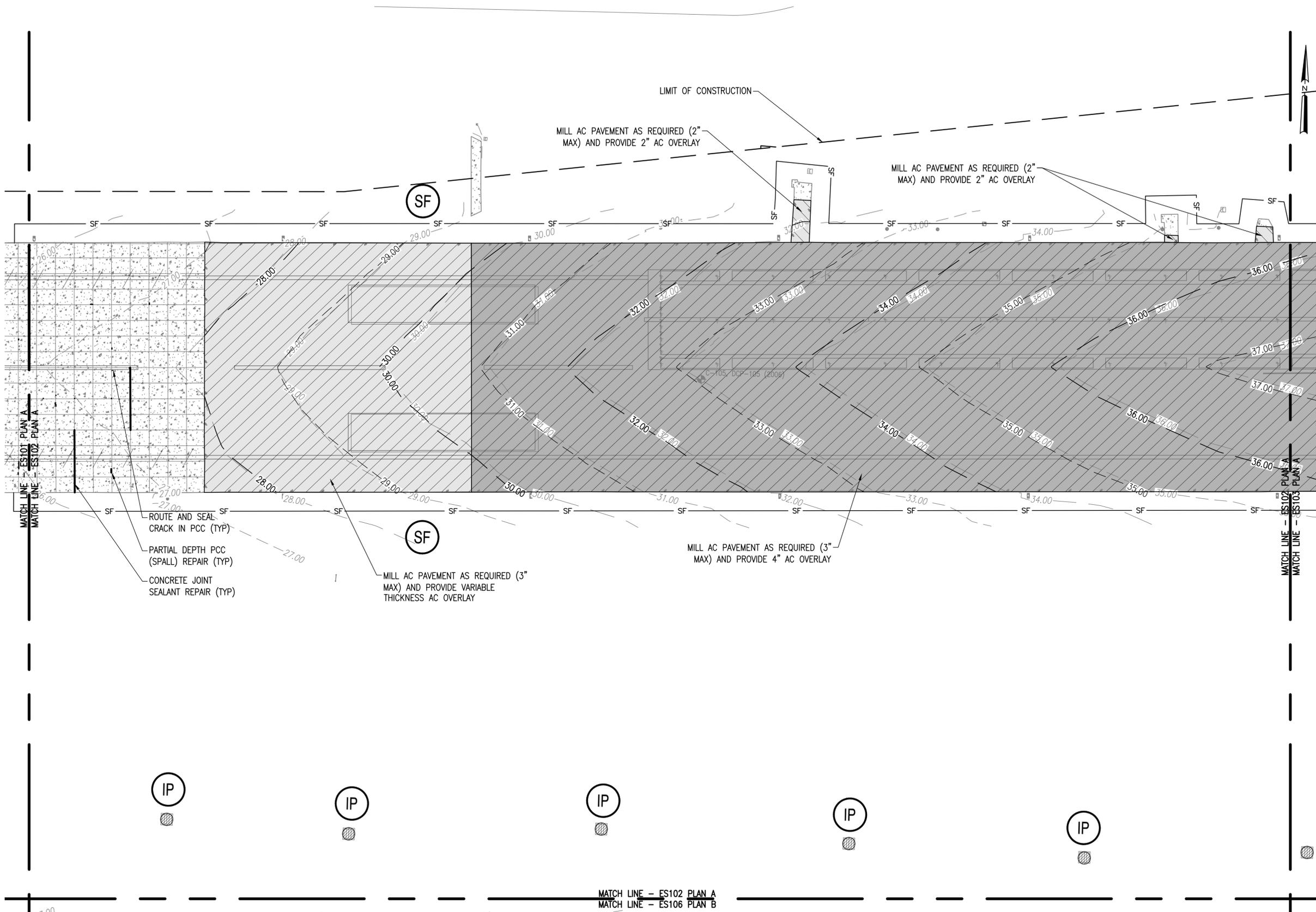
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 40'
0' 40' 80'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-ES
SCALE
1" = 40'
SHEET 64 OF 72

Wallops Airfield Repair Project
FCLP Phase II
ESC PLAN
PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISED:
DRAWING NO.
17079

EROSION & SEDIMENT CONTROL LEGEND

- SF — SILT FENCE
- ⊙ IP INLET PROTECTION



A EROSION AND SEDIMENT CONTROL PLAN (2 OF 10)
1" = 40'

B KEY PLAN
NTS

FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

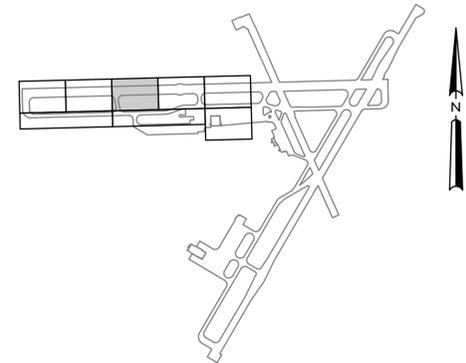
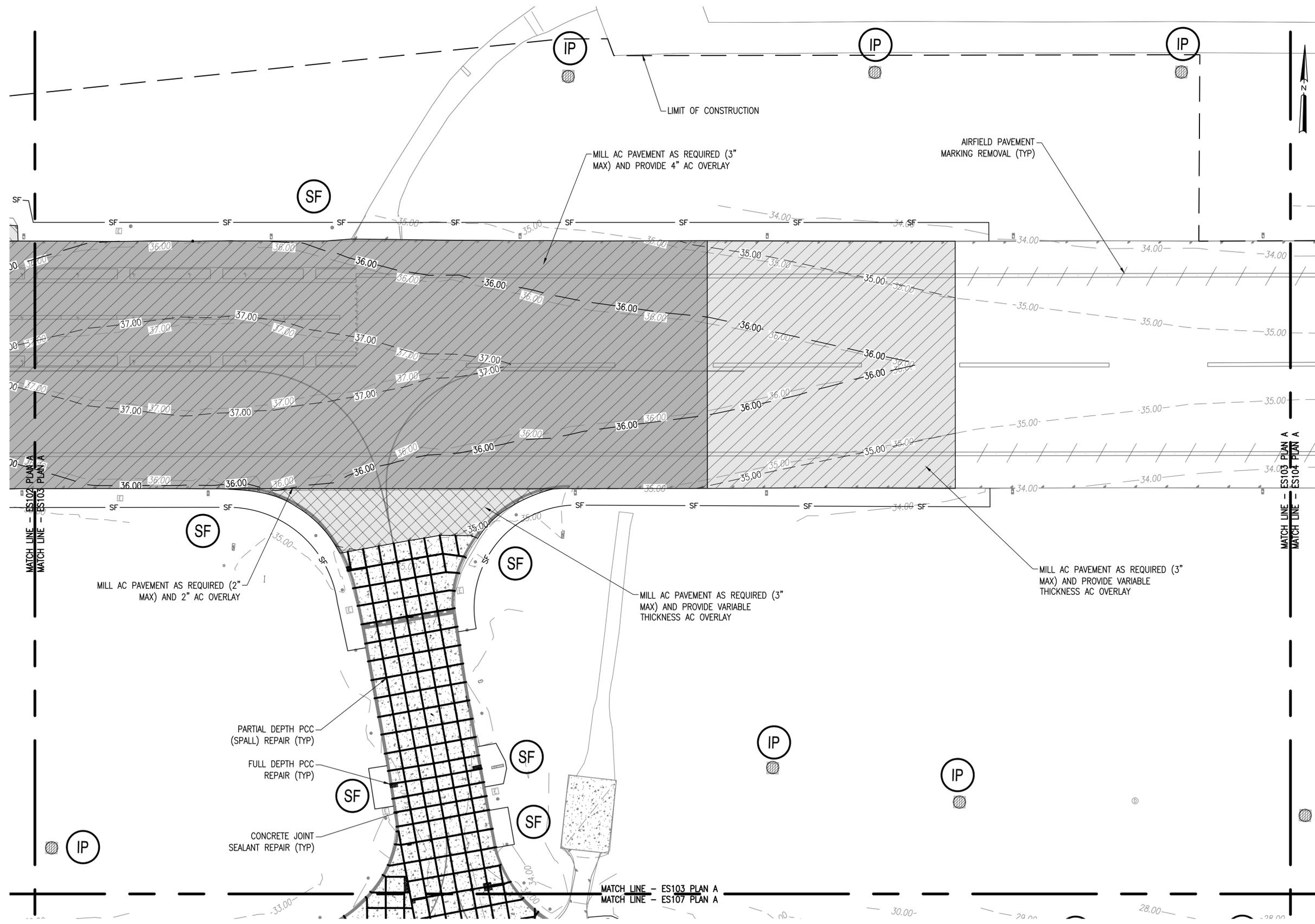
CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-ES
SCALE
1" = 40'
SHEET 65 OF 72

Wallops Airfield Repair Project
FCLP Phase II
ESC PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17080

EROSION & SEDIMENT CONTROL LEGEND



A EROSION AND SEDIMENT CONTROL PLAN (3 OF 10)
1" = 40'

B KEY PLAN
NTS

FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

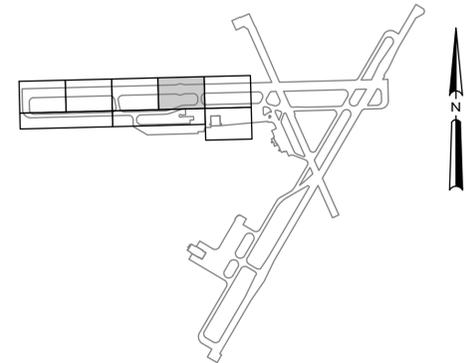
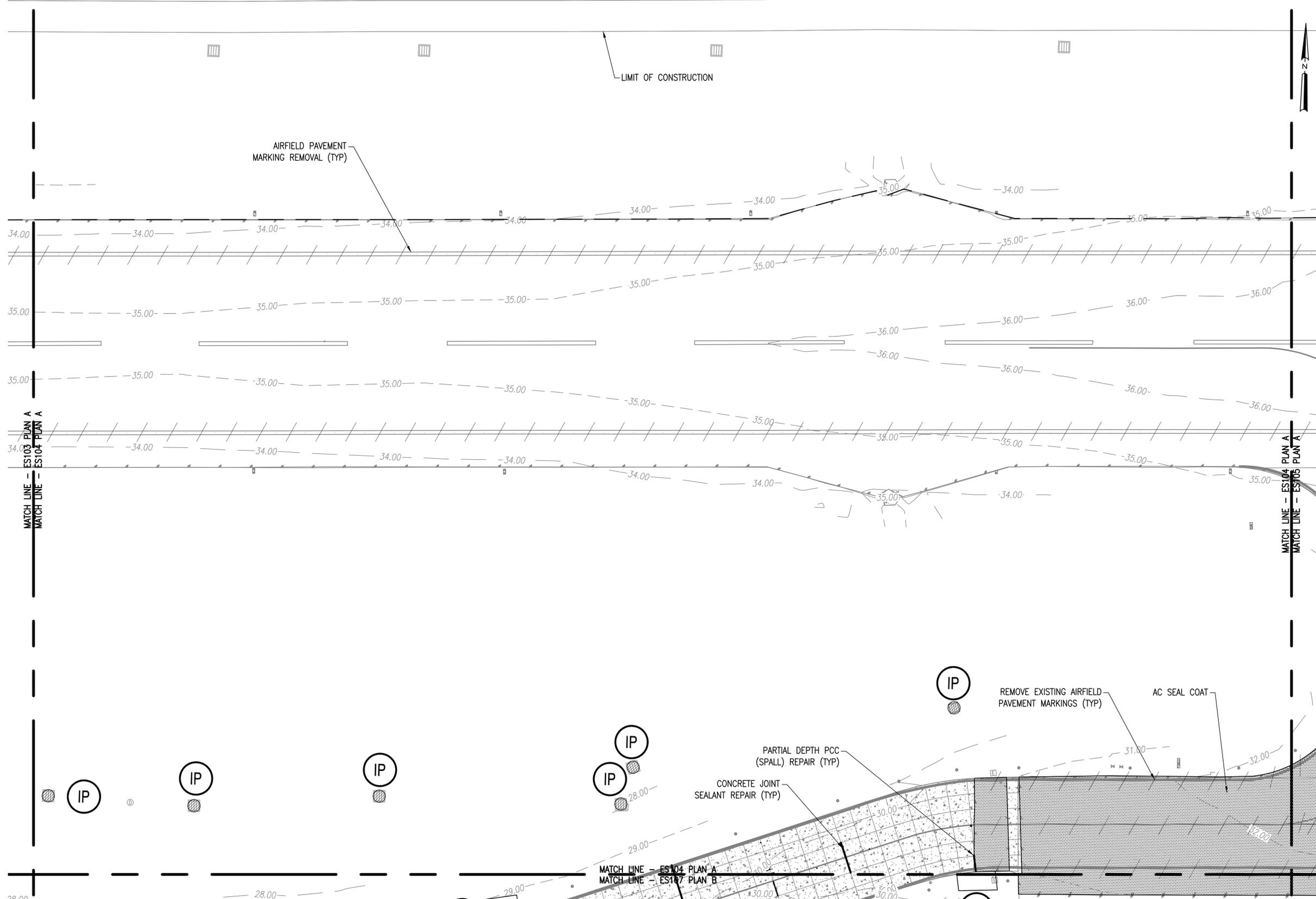
ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-ES
SCALE
1" = 40'
SHEET 66 OF 72

Wallops Airfield Repair Project
FCLP Phase II
ESC PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17081

EROSION & SEDIMENT CONTROL LEGEND

- SF — (SF) SILT FENCE
- (IP) INLET PROTECTION



A EROSION AND SEDIMENT CONTROL PLAN (4 OF 10)
1" = 40'

B KEY PLAN
NTS

FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
[Signature]
SUBMITTED BY
[Signature]
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

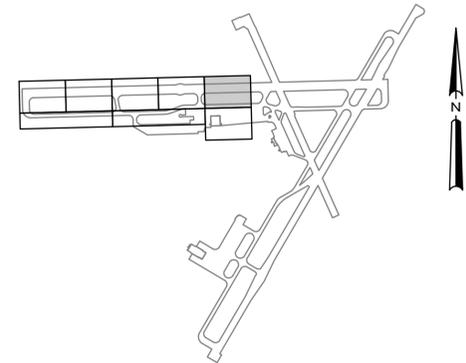
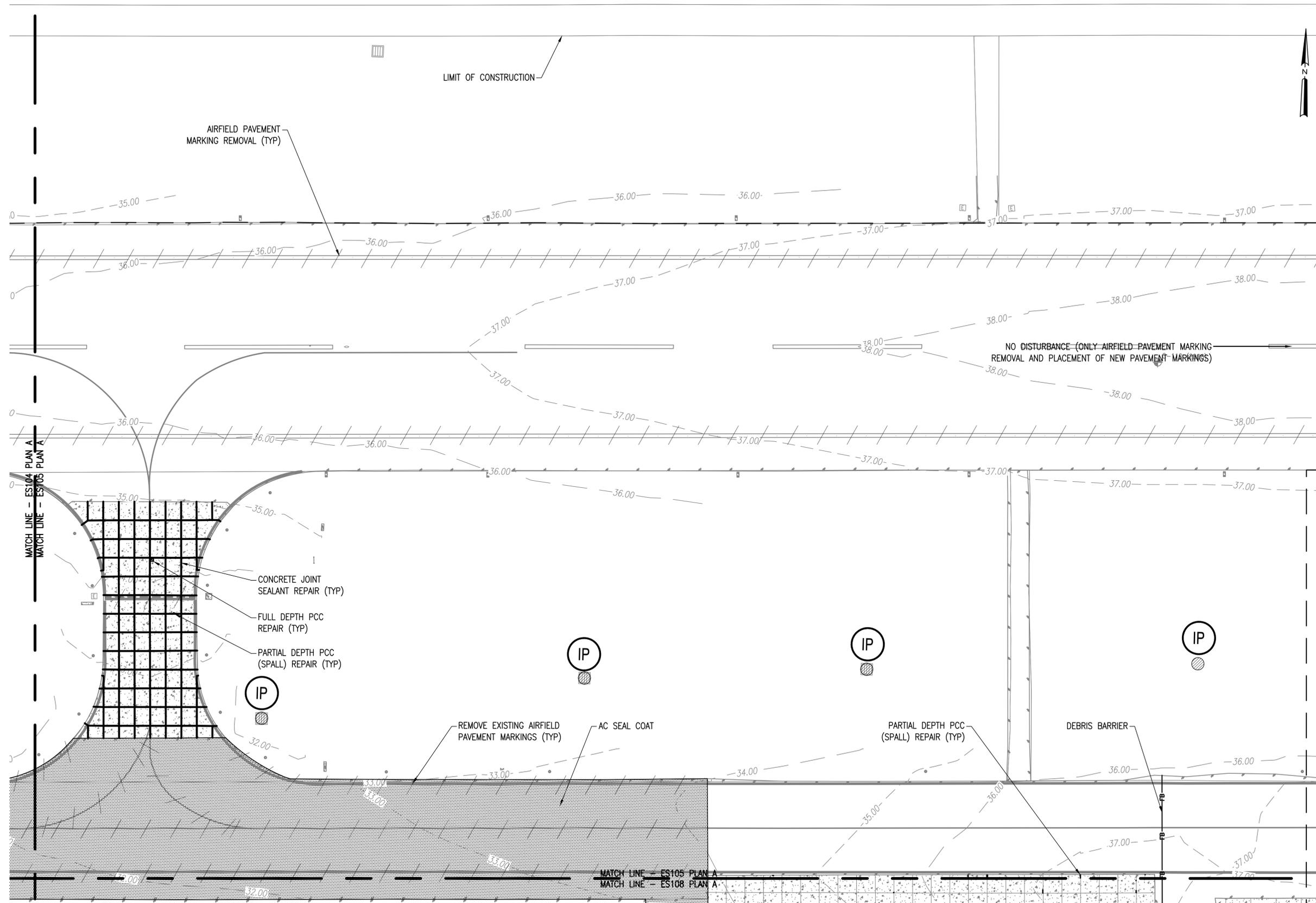
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 40' 0' 40' 80'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-ES
SCALE
1" = 40'
SHEET 67 OF 72

Wallops Airfield Repair Project
FCLP Phase II
ESC PLAN
PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISID:
DRAWING NO.
17082

EROSION & SEDIMENT CONTROL LEGEND

- SF — (SF) SILT FENCE
- (IP) (IP) INLET PROTECTION



A EROSION AND SEDIMENT CONTROL PLAN (5 OF 10)
1" = 40'

B KEY PLAN
NTS

FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY *[Signature]*
PROJECT MANAGER

NASA SAFETY
[Signature]
FIRE PROTECTION
[Signature]

CONSTRUCTION MANAGEMENT
[Signature]
O & M
[Signature]

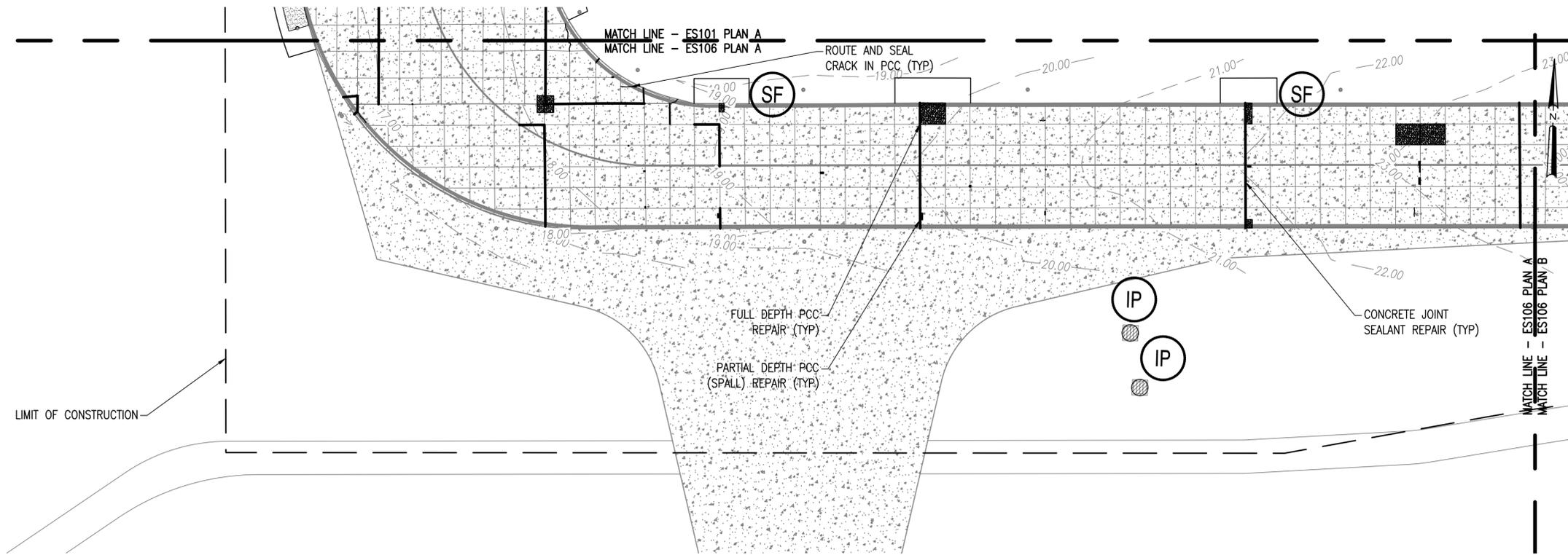
ENGINEERING APPROVAL
[Signature]
ENGINEERING GROUP LEADER
BRANCH APPROVAL
[Signature]
BRANCH HEAD

GRAPHIC SCALE
1" = 40'
0' 40' 80'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-ES
SCALE
1" = 40'
SHEET 68 OF 72

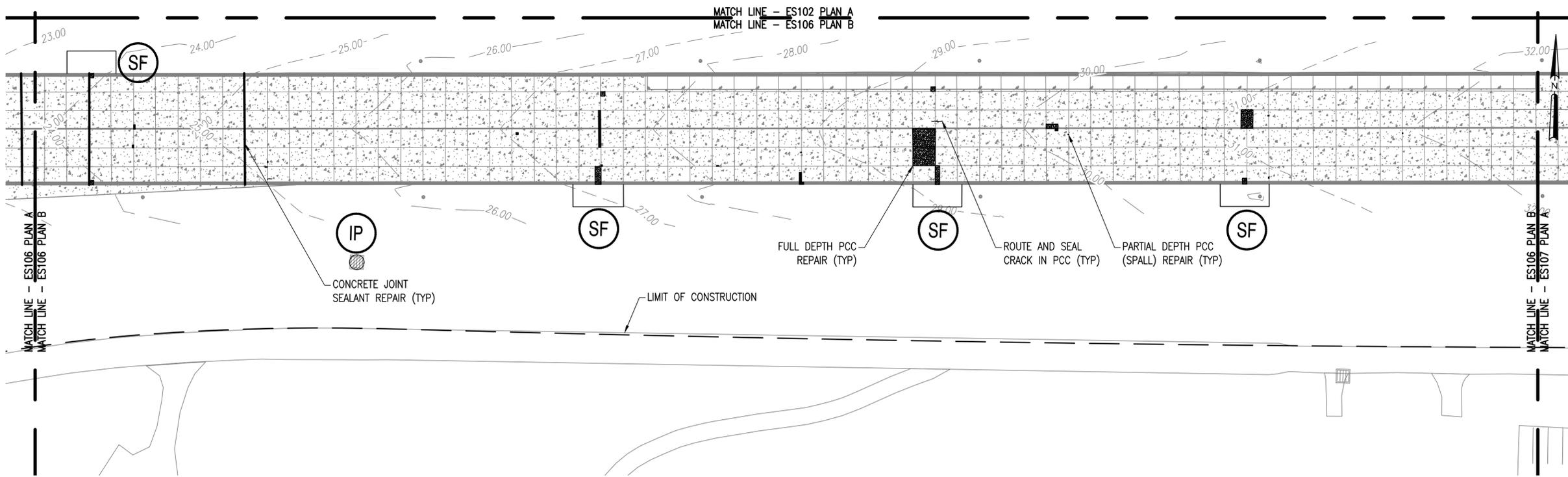
Wallops Airfield Repair Project
FCLP Phase II
ESC PLAN
PROJECT NUMBER: 1338474
DR. STH DATE:
CK. LMH REVISIONS:
DRAWING NO.
17083

EROSION & SEDIMENT CONTROL LEGEND

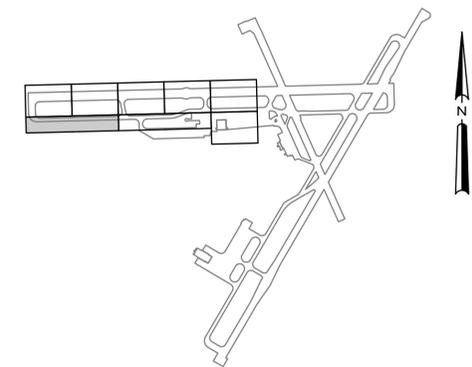
- SF — SILT FENCE
- ⊘ IP INLET PROTECTION



A EROSION AND SEDIMENT CONTROL PLAN (6 OF 10)
1" = 40'



B EROSION AND SEDIMENT CONTROL PLAN (7 OF 10)
1" = 40'



C KEY PLAN
NTS

FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

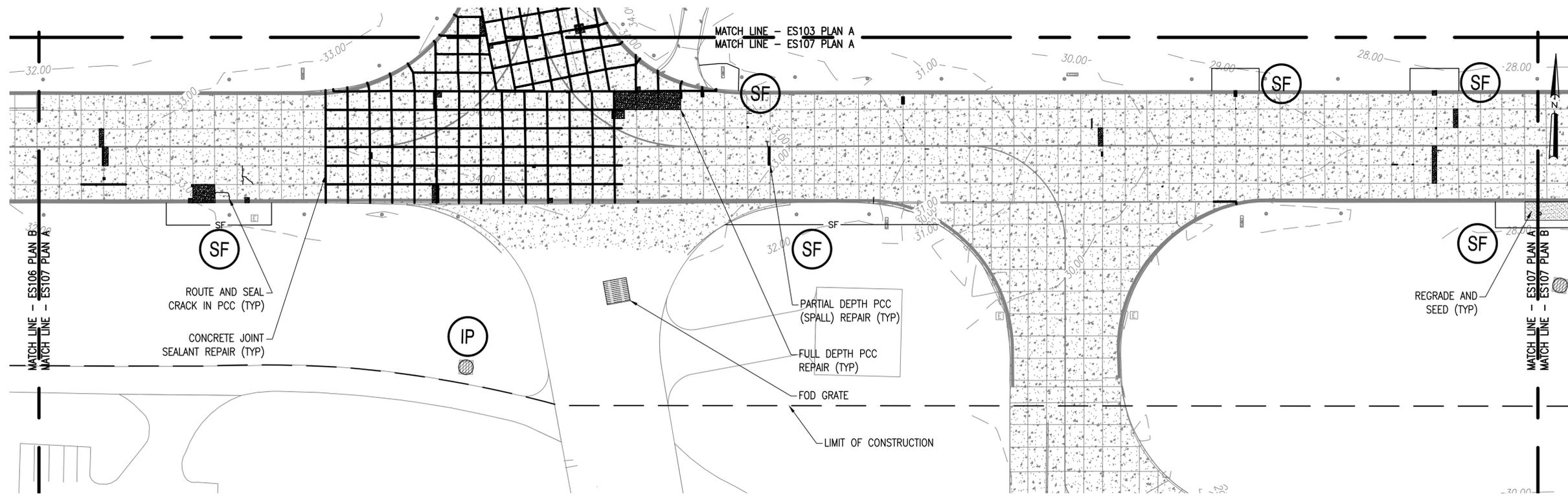
ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-ES
SCALE
1" = 40'
SHEET 69 OF 72

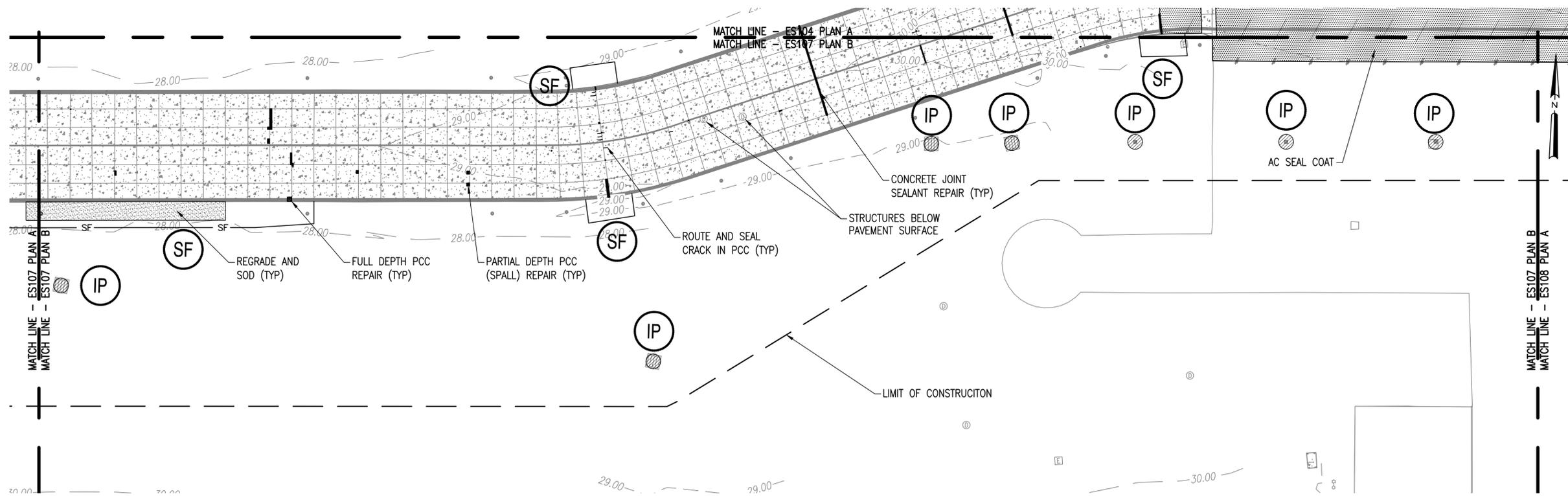
Wallops Airfield Repair Project
FCLP Phase II
ESC PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17084

ES106

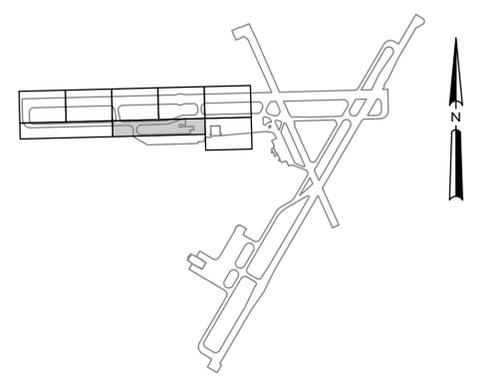
EROSION & SEDIMENT CONTROL LEGEND



A EROSION AND SEDIMENT CONTROL PLAN (8 OF 10)
1" = 40'



B EROSION AND SEDIMENT CONTROL PLAN (9 OF 10)
1" = 40'



C KEY PLAN
NTS

FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
Wallops Flight Facility
Wallops Island, Virginia 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

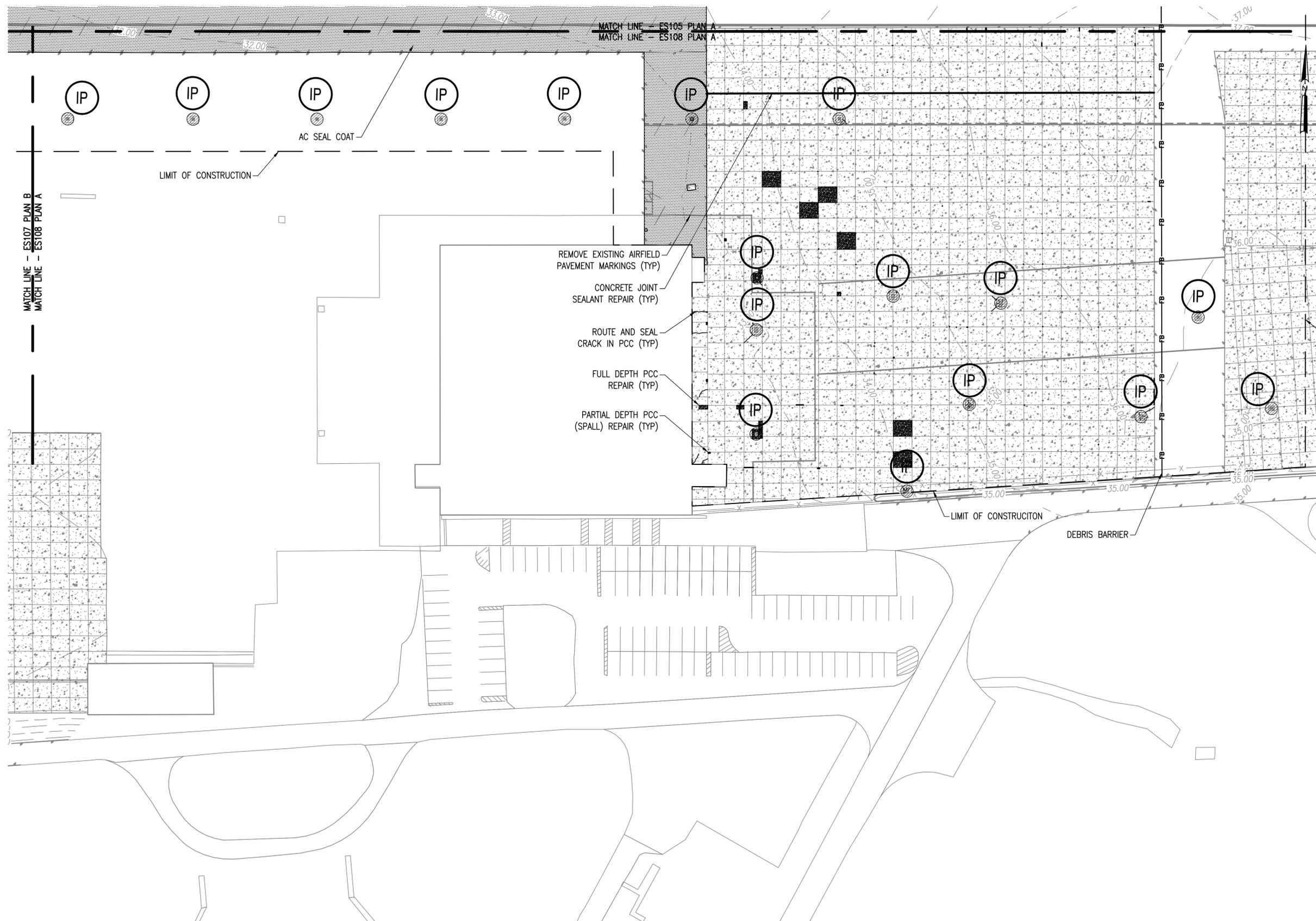
GRAPHIC SCALE
1" = 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-ES
SCALE
1" = 40'
SHEET 20 OF 22

Wallops Airfield Repair Project
FCLP Phase II
ESC PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17085

ES107

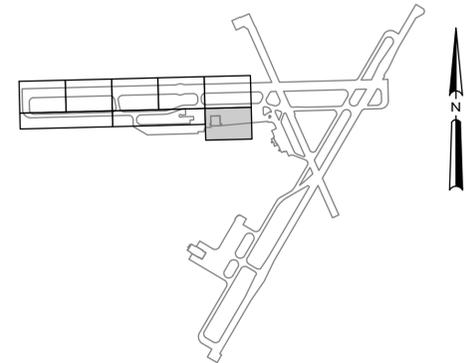
EROSION & SEDIMENT CONTROL LEGEND

- SF — SILT FENCE
- ⊙ IP INLET PROTECTION



LIMIT OF CONSTRUCTION

DEBRIS BARRIER



A EROSION AND SEDIMENT CONTROL PLAN (10 OF 10)
1" = 40'

B KEY PLAN
NTS

FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER
SUBMITTED BY
PROJECT MANAGER

NASA SAFETY
FIRE PROTECTION

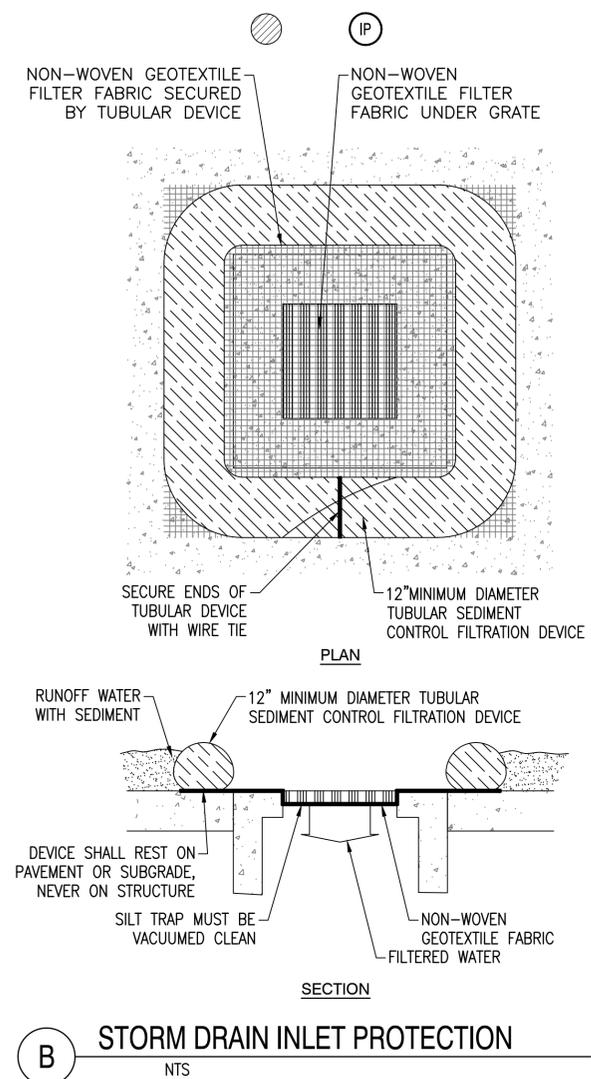
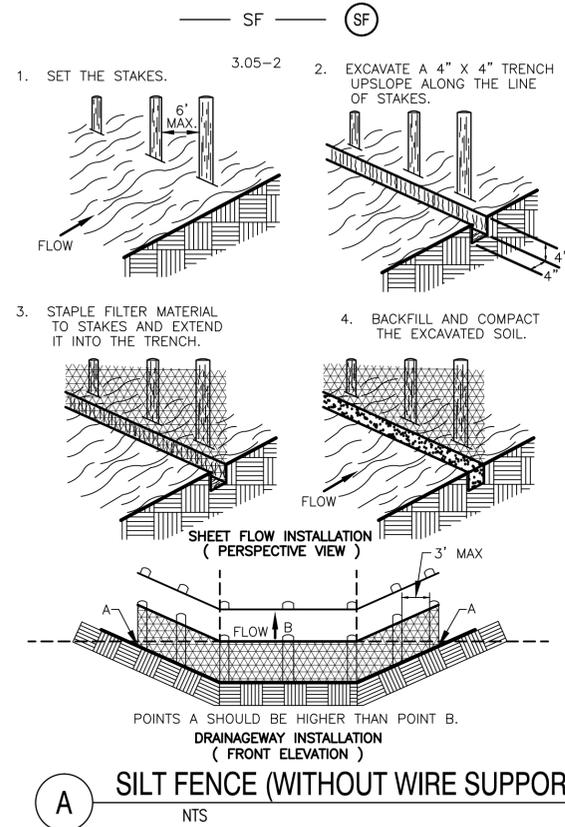
CONSTRUCTION MANAGEMENT
O & M

ENGINEERING APPROVAL
ENGINEERING GROUP LEADER
BRANCH APPROVAL
BRANCH HEAD

GRAPHIC SCALE
1" = 40'
AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-ES
SCALE
1" = 40'
SHEET 71 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II
ESC PLAN
PROJECT NUMBER: 1338474
DR. STH
CK. LMH
DATE:
REVISED:
DRAWING NO.
17086

ES108



PRE-DEVELOPED	AREA (AC)	C VALUE	Tc (MIN)	2-YR INT.(IN/HR)	Q2 (CFS)
IMPERVIOUS AREA	0.00	0.90			
PERVIOUS AREA	0.09	0.30			
TOTAL	0.09	0.30	5.00	5.60	0.15

POST-DEVELOPED	AREA (AC)	C VALUE	Tc (MIN)	2-YR INT.(IN/HR)	Q2 (CFS)
IMPERVIOUS AREA	0.00	0.90			
PERVIOUS AREA	0.09	0.30			
TOTAL	0.09	0.30	5.00	5.60	0.15

D RUNOFF CALCULATIONS
NTS

FOR EROSION AND SEDIMENT CONTROL PLAN APPROVAL DD MMM YY

ES501

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
WALLOPS FLIGHT FACILITY
WALLOPS ISLAND, VIRGINIA 23337



DATE	LET.	REVISIONS	CK.	AP.

PROJECT ENGINEER

SUBMITTED BY

PROJECT MANAGER

NASA SAFETY

FIRE PROTECTION

CONSTRUCTION MANAGEMENT

O & M

ENGINEERING APPROVAL

ENGINEERING GROUP LEADER

BRANCH APPROVAL

BRANCH HEAD

GRAPHIC SCALE

NOT TO SCALE

AUTOCAD - RELEASE 2010
FILE NAME: '2-1337236-ES

SCALE
NOT TO SCALE

SHEET 72 OF 72

WALLOPS AIRFIELD REPAIR PROJECT
FCLP PHASE II

ESC NOTES

PROJECT NUMBER: 1338474

DR. STH

CK. LMH

DATE:

REVISED:

DRAWING NO.
17087