

Drawing name: j:\72198-MSCAA\18-1413\DRAWINGS\G-SQ-04.dwg 22x34 May 05, 2023 2:38pm by: tgibson

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SUMMARY OF QUANTITIES

FAA SPEC NO.	DESCRIPTION	UNIT	QUANTITY	FINAL
SC-30-1	AIRFIELD PAVEMENT REPAIR	ALLOW	1	
S-100-6.1	PLASTIC SAFETY FENCE	LF	8,360	
S-100-6.2	GUARD HOUSE (CONTRACTOR FURNISHED)	EA	3	
S-100-6.4	CURING FACILITIES	LS	1	
S-100-6.5	CROSSING GATE ARM (CONTRACTOR FURNISHED)	EA	3	
S-100-6.6	TRAFFIC CONTROL	LS	1	
S-100-6.7	PROJECT SAFETY & SECURITY	LS	1	
S-100-6.8	PORTABLE LIGHTED RUNWAY CLOSURE MARKER	EA	2	
C-102-5.1	SILT FENCE	LF	21,700	
C-102-5.2	CATCH BASIN SEDIMENT TRAP	EA	10	
C-102-5.3	FILTER SOCK CHECK DAM	EA	10	
C-102-5.4	INLET PROTECTION	EA	12	
C-102-5.5	CONSTRUCTION ENTRANCES	EA.	2	
C-105-6.1	MOBILIZATION	LS	1	
C-105-6.2	DEMOBILIZATION	ALLOW	1	
P-101-5.01	DEMOLITION OF EXISTING RCP STORM DRAIN PIPE	LF	1,800	
P-101-5.02	DEMOLITION OF EXISTING HEADWALL (ALL SIZES AND TYPES)	EA	1	
P-101-5.03	DEMOLITION OF MANHOLE (ALL SIZES)	EA	1	
P-101-5.04	DEMOLITION OF INLET (ALL SIZES AND TYPES)	EA	8	
P-101-5.05	MISCELLANEOUS DEMOLITION	LS	1	
P-101-5.06	DEMOLITION OF EXISTING LIGHT FIXTURE (BASE AND FLUSH MOUNTED)	EA	472	
P-101-5.07	REMOVE EXISTING LIGHT FIXTURE AND TRANSFORMER (FLUSH MOUNTED)	EA	49	
P-101-5.08	DEMOLITION OF ELECTRICAL HANDHOLE	EA	14	
P-101-5.09	DEMOLITION OF DUCT BANK	LF	355	
P-101-5.11	REMOVE AND STORE LIGHTED SIGN WITH TRANSFORMER	EA	15	
P-152-4.01	UNCLASSIFIED EXCAVATION	CY	15,000	
P-152-4.02	UNDERCUT EXCAVATION AND DISPOSAL	CY	1,500	
P-152-4.03	UNSUITABLE MATERIAL EXCAVATION AND DISPOSAL	CY	1,500	
P-152-4.04	BORROW EXCAVATION	CY	19,000	
P-152-4.05	PAVEMENT EXCAVATION, MILL ASPHALT 1.5"	SY	1,010	
P-152-4.06	PAVEMENT EXCAVATION, FULL DEPTH GRAVEL ROADWAY	SY	510	
P-152-4.07	PAVEMENT EXCAVATION, FULL DEPTH ASPHALT ROADWAY	SY	3,760	
P-152-4.08	PAVEMENT EXCAVATION, FULL DEPTH ASPHALT TAXIWAY SHOULDER	SY	31,500	
P-152-4.09	PAVEMENT EXCAVATION, FULL DEPTH ASPHALT TAXIWAY	SY	4,000	
P-152-4.10	PAVEMENT EXCAVATION, FULL DEPTH AIRFIELD PORTLAND CEMENT CONCRETE PAVEMENT	SY	58,600	
P-152-4.11	GRANULAR STONE BACKFILL FOR UNDERCUT AND UNSUITABLE MATERIAL	CY	3,000	
P-152-4.12	PAVEMENT EXCAVATION, MILL ASPHALT 1.5" FOR HAUL ROUTE REPAIR	SY	4,200	
P-152-4.13	SUBGRADE PROCESSING	SY	62,000	
P-152-4.14	STOCKPILED MATERIAL	CY	17,900	
P-152-4.15	ALTERNATE BATCH PLANT SITE PREP (SPOIL PILE EXCAVATION AND HAUL OFF)	CY	15,000	
P-209-5.1	CRUSHED AGGREGATE BASE COURSE	CY	14,400	
P-209-5.2	CRUSHED AGGREGATE BASE COURSE (8" THICK)	SY	3,440	
P-220-6.1	CEMENT TREATED SUBGRADE (12" THICK)	SY	64,200	
P-304-8.1	CEMENT-TREATED AGGREGATE BASE COURSE (8" THICK)	SY	61,500	
P-401-8.1	BITUMINOUS SURFACE COURSE (5" THICK)	SY	3,010	
P-401-8.2	BITUMINOUS BASE COURSE (4" THICK)	SY	3,010	
P-401-8.3	BITUMINOUS SURFACE COURSE OVERLAY (1.5" THICK)	SY	1,010	
P-403-8.1	BITUMINOUS SURFACE COURSE - SHOULDER (2.5" THICK)	SY	34,980	
P-403-8.2	BITUMINOUS BASE COURSE - SHOULDER (2.5" THICK)	SY	34,980	
P-403-8.3	BITUMINOUS SURFACE COURSE - SERVICE ROAD (2" THICK)	SY	1,406	
P-403-8.4	BITUMINOUS SURFACE COURSE OVERLAY - HAUL ROUTE REPAIR (1.5" THICK)	SY	4,200	
P-407-7.1	ASPHALT TREATED POROUS BITUMINOUS BASE COURSE (4" THICK)	SY	62,000	

SUMMARY OF QUANTITIES (CONTINUED)

FAA SPEC NO.	DESCRIPTION	UNIT	QUANTITY	FINAL
P-501-8.1	CONCRETE PAVEMENT (PLAIN AND REINFORCED; 19 INCH THICK)	SY	57,900	
P-602-5.1	EMULSIFIED ASPHALT PRIME COAT (@ 0.3 gal/sq yd)	GAL.	9,620	
P-603-5.1	EMULSIFIED ASPHALT TACK COAT (@ 0.05 gal/sq yd)	GAL.	1,970	
P-620-5.1	PAVEMENT MARKING (REFLECTIVE)	SF	19,750	
P-620-5.2	NON-MOVEMENT AREA MARKINGS	LF	90	
P-620-5.3	TAXIWAY/TAXIWAY INTERMEDIATE HOLDING PATTERN MARKING	LF	1,470	
P-620-5.4	ILS CRITICAL AREA HOLD LINE MARKING	LF	310	
P-620-5.5	RUNWAY HOLDING POSITION MARKING	LF	260	
P-620-5.6	ENHANCED CENTERLINE MARKING	LF	160	
P-620-5.7	GEOGRAPHIC POSITION MARKING	EA	11	
P-620-5.8	EXISTING PAINT MARKING REMOVAL	SF	5,500	
D-701-5.1	24 INCH REINFORCED CONCRETE PIPE (CLASS V)	LF	303	
D-701-5.2	36 INCH REINFORCED CONCRETE PIPE (CLASS V)	LF	1,071	
D-701-5.3	48 INCH REINFORCED CONCRETE PIPE (CLASS V)	LF	557	
D-701-5.4	18 INCH CORRUGATED METAL PIPE (2-2/3 X 1/2, 16 GAGE)	LF	20	
D-701-5.5	12 INCH REINFORCED CONCRETE PIPE (CLASS III)	LF	37	
D-701-5.6	PRECAST 4'X3' REINFORCED CONCRETE BOX CULVERT WITH 1 HEADWALL	ALLOW		
D-705-5.1	4 INCH PERFORATED UNDERDRAIN PIPE	LF	12,420	
D-705-5.2	6 INCH PERFORATED UNDERDRAIN PIPE	LF	10,380	
D-705-5.3	6 INCH NON- PERFORATED UNDERDRAIN OUTFALL PIPE	LF	2,200	
D-705-5.4	UNDERDRAIN CLEANOUT	EA	40	
D-705-5.5	UNDERDRAIN ENDWALL	EA	10	
D-751-5.1	TYPE 2 STORM DRAIN INLET	EA	7	
D-752-5.1	SAFETY ENDWALL FOR 36" RCP	EA	1	
D-752-5.2	9' SQUARE MANHOLE	EA	1	
D-754-5.1	CONCRETE LINED SWALE	LF	1,200	
D-754-5.2	CONCRETE APRON AROUND INLET	SF	1,210	
T-904-5.1	SODDING	SY	53,400	
T-905-5.1	TOPSOILING- (4 INCHES THICK)	SY	52,600	
L-108-5.1	NO. 8 AWG, 5KV, L-824C, TYPE C CABLE, INSTALLED IN DUCT BANK OR CONDUIT	LF	47,300	
L-108-5.2	NO. 6 AWG, SOLID, BAARE COPPER COUNTERPOISE WIRE, INSTALLED WITH GROUND RODS & CONNECTORS	LF	24,300	
L-108-5.3	NO. 6 AWG, SOLID, BARE COPPER GROUND, INSTALLED WITH GROUND RODS & CONNECTORS	LF	2,330	
L-108-5.4	NO. 8 L-824C 5KV TEMPORARY JUMPER CABLE, INCLUDING COUNTERPOISE WITH GROUND RODS & CONNECTORS, TRENCH & BACKFILL, CONDUIT, SAWKERFS & SEALANT, OR OTHER PROTECTION, INSTALLED & REMOVED	LF	9,000	
L-110-5.1	CONCRETE ENCASED ELECTRICAL CONDUIT, 1W-2" SCH. 40 PVC INSTALLED UNDER NEW RIGID PVMT	LF	14,200	
L-110-5.2	CONCRETE ENCASED ELECTRICAL CONDUIT, 1W-2" SCH. 40 PVC INSTALLED UNDER NEW FLEXIBLE PVMT	LF	10,200	
L-110-5.3	CONCRETE ENCASED ELECTRICAL CONDUIT, 1W-2" SCH. 40 PVC INSTALLED IN SOIL BELOW SUBGRADE OR TURF	LF	1,750	
L-110-5.4	DEB DRAIN CONDUIT, 1W-2" SCH. 40 PVC	LF	300	
L-110-5.5	CONCRETE ENCASED ELECTRICAL DUCT BANK, 4W-4" SCH. 40 PVC, INSTALLED IN SOIL BELOW SUBGRADE OR TURF	LF	315	
L-115-5.1	AIRCRAFT-RATED PULLBOX	EA	12	
L-125-5.01	FURNISH L-852C LED BIDIRECTIONAL TAXIWAY CENTERLINE FIXTURE & TRANSFORMER	EA	93	
L-125-5.02	FURNISH L-852C LED TAXIWAY CLEARANCE BAR FIXTURE & TRANSFORMER	EA	33	
L-125-5.03	FURNISH L-852D LED BIDIRECTIONAL TAXIWAY CENTERLINE FIXTURE & TRANSFORMER	EA	206	
L-125-5.04	FURNISH & INSTALL L-852D LED UNIDIRECTIONAL TAXIWAY CENTERLINE FIXTURE & TRANSFORMER	EA	1	
L-125-5.05	FURNISH L-852F LED OMNIDIRECTIONAL TAXIWAY CENTERLINE FIXTURE & TRANSFORMER	EA	3	
L-125-5.06	FURNISH L-852T LED TAXIWAY EDGE FIXTURE & TRANSFORMER	EA	143	
L-125-5.07	INSTALL FIXTURE WITH TRANSFORMER, COMPLETE	EA	479	
L-125-5.08	FURNISH & INSTALL L-868B 3/4" BLANK COVER ON EXISTING BASE	EA	2	
L-125-5.09-1	FURNISH & INSTALL 2-PIECE L-868B W/BAND RING & MULTIHOLE ADAPTER IN NEW RIGID PVMT. COMPLETE	EA	297	
L-125-5.09-2	FURNISH & INSTALL 2-PIECE L-868B W/BAND RING & MULTIHOLE ADAPTER IN NEW FLEXIBLE PVMT. COMPLETE	EA	143	
L-125-5.10	FURNISH MATERIALS AND CONSTRUCT LIGHT BASE BLOCKOUT, COMPLETE	EA	20	
L-125-5.11	FURNISH L-858 LED SIGN, 1 FACE, 3 MODULE, W/TRANSFORMER	EA	1	
L-125-5.12	SIGN BASE, CONSTRUCTED-IN-PLACE, COMPLETE	SF	700	
L-125-5.13	INSTALL L-858 LED SIGN ON NEW OR EXISTING BASE, COMPLETE	EA	16	
L-126-5.14	EXISTING HANDHOLES PB-1 & PB-2 ARE TO BE ADJUSTED (REPLACE ONLY IF IN DISREPAIR)	EA	2	
L-126-5.15	PROVIDE LABOR AND INCIDENTALS REQUIRED TO REMOVE AND REINSTALL EXISTING GUIDANCE SIGN MODULAR FOUNDATIONS	EA	16	
L-126-5.16	PROVIDE LABOR AND INCIDENTALS TO RECONSTRUCT GUIDANCE SIGN MODULAR FOUNDATIONTHAT MAY GET DAMAGED	EA	1	
L-126-5.17	PROVIDE NEW FBO SIGN (INCLUDE LABOR AND MATERIALS TO PROVIDE AND INSTALL NEW SIGN).	EA	1	

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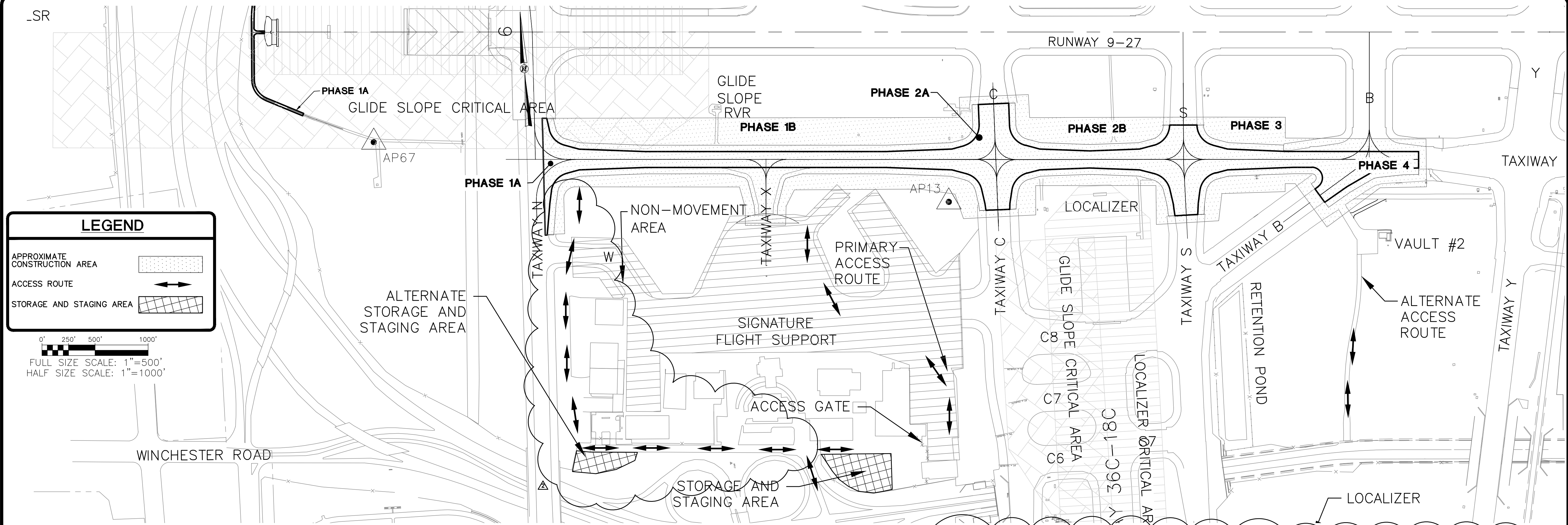
A	ADDENDUM 2	5/3/23
NO.	DESCRIPTION	DATE BY
	REVISIONS	

PROJECT:
**TAXIWAY ALPHA
WEST
RECONSTRUCTION**

SHEET TITLE:
**SUMMARY OF
QUANTITIES**

MSCAA NO. **18-1413-01**
DWG. FILE NAME **G-SQ-04.DWG**
DATE **04/06/2023** DWG NO.
SCALE **G-SQ-04**
SHEET NO.
FACILITY NO. **NONE** **4 of 136**

Drawing name: j:\72198-MSCAA\18-1413\DRAWINGS\G-PH-13.dwg 22x34 May 05, 2023 10:38am by: tgbison



HAUL ROAD NOTES

- HAUL ROADS TO BE USED UNDER THIS PROJECT SHALL BE THOSE INDICATED ON THE DRAWINGS OR OTHERWISE SPECIFICALLY AUTHORIZED BY THE PROGRAM MANAGER. IN GENERAL, THE CONTRACTOR SHALL CONFINE EQUIPMENT AND HAULING TO THE AREAS UNDER CONSTRUCTION. NO DEBRIS SHALL BE ALLOWED ON THE ROADWAYS OR AIRPORT PAVED SURFACES. ACTIVE TAXIWAYS AND RUNWAYS SHALL BE KEPT FREE OF DEBRIS AT ALL TIMES. CONTRACTOR SHALL MAINTAIN ONE POWER VACUUM SWEEPER ON SITE FOR EVERY ONE OF THE ACTIVE TAXIWAYS CROSSED. AN ADDITIONAL BACKUP SWEEPER IS REQUIRED AT THE DIRECTION OF THE PROGRAM MANAGER. OTHER PAVEMENTS SHALL BE CLEANED BY THE CONTRACTOR DAILY, AND AS REQUIRED, USING POWER VACUUM SWEEPERS AND HAND CLEANED TO KEEP ALL ACCESS AND CONSTRUCTION AREAS CLEAR OF SOILS, CLOUDS OR OTHER DEBRIS. SEE GENERAL NOTES AND OPERATIONAL NOTES FOR ADDITIONAL REQUIREMENTS.
- THE ACCESS POINTS TO THE PROJECT SITE ARE SHOWN ON THE PLANS. THE SPECIFIED GATES SHALL BE MONITORED BY A MSCAA GUARD DURING ALL CONTRACTOR OPERATIONS WHILE THE GATE IS OPEN OR UNLOCKED.
- THE CONTRACTOR, AT THEIR EXPENSE, SHALL BE RESPONSIBLE FOR RESTORING ALL AIRPORT SERVICE ROADS TO THEIR PRE-CONSTRUCTION CONDITION WHERE SUCH ROADS ARE USED BY THE CONTRACTOR, EXCEPT FOR THE ROADS APPROVED FOR USE AS HAUL ROUTES BY THE PROGRAM MANAGER WHICH WILL BE PAID FOR UNDER ALLOWANCE.
- THE CONTRACTOR SHALL RESTORE ALL TURFED AND PAVED AREAS USED FOR HAUL ROADS TO THEIR ORIGINAL CONDITION, INCLUDING THE PLACEMENT OF SOD. ALL HAULING ALONG OR CROSSING THE AIRPORT AND PUBLIC ROADS SHALL BE ACCOMPLISHED BY THE CONTRACTOR. ALL COSTS FOR CONSTRUCTING, REMOVING AND RESTORING OF HAUL ROADS REQUIRED FOR THE COMPLETION OF THE WORK SHALL BE BORNE BY THE CONTRACTOR. CONTRACTOR TO PROVIDE MEASURES TO MAINTAIN EXISTING DRAINAGE PATTERNS ASSOCIATED WITH HAUL ROADS.
- THE CONTRACTOR SHALL NOT PERMIT ANY UNAUTHORIZED CONSTRUCTION PERSONNEL OR TRAFFIC ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM THE VARIOUS CONSTRUCTION AREAS ON THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS DEPOSITED AT THE PROJECT SITE AND ALONG ANY ROAD AS A RESULT OF HIS/HER CONSTRUCTION TRAFFIC. DIRECTIONAL SIGNAGE AT THE ACCESS GATE AND ALONG THE DELIVERY ROUTE TO THE STORAGE AREA OR WORK SITE SHALL BE APPROVED BY THE PROGRAM MANAGER.
- ALL CONTRACTOR'S MATERIAL ORDERS FOR DELIVERY TO THE SITE SHALL BE DIRECTED BY THE CONTRACTOR TO THE ACCESS POINTS IDENTIFIED.
- THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, EQUIPMENT STORAGE AREA, PARKING AREA AND OTHER AREAS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION ARE SHOWN ON THE PLANS. ADDITIONAL AREAS MAY BE REQUESTED BY THE CONTRACTOR AND APPROVED BY THE PROGRAM MANAGER. THE CONTRACTOR SHALL PROVIDE DEVICES VISIBLE FOR BOTH DAY/NIGHT USE TO DELINEATE THE PERIMETER OF ALL SUCH AREAS.
- THE CONTRACTOR, THROUGH THE CONSTRUCTION SECURITY OFFICER, SHALL ESTABLISH AND MAINTAIN A LIST OF CONTRACTOR AND SUB-CONTRACTOR VEHICLES AUTHORIZED TO OPERATE ON THE SITE. VEHICLE PERMITS SHALL BE ASSIGNED IN ACCORDANCE WITH AIRPORT SECURITY PROCEDURES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE ROUTES (STATE HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE.
- WHILE ON THE AIRPORT, ALL CONTRACTOR VEHICLES AND TRAFFIC SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION AREAS, STAGING AREAS OR HAUL ROUTES.
- ALL CONTRACTOR VEHICLES SHALL DISPLAY IN FULL VIEW COMPANY LOGOS CONSPICUOUSLY PLACED ON EACH SIDE OF THE VEHICLE IN CONFORMANCE TO SC-240. ALL VEHICLES OPERATING OUTSIDE THE CONSTRUCTION BARRIER FENCE AND IN THE ACTIVE AOA SHALL BE EQUIPPED WITH A FLASHING AMBER (YELLOW) DOME-TYPE LIGHT MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORM TO AIRPORT CODES FOR MAINTENANCE AND EMERGENCY VEHICLES.
- NO CONTRACTOR VEHICLES ARE TO CROSS ACTIVE RUNWAYS, TAXIWAYS AND APPROACH CLEAR ZONES UNLESS THE ESCORT IS UNDER THE DIRECT CONTROL OF THE AIRPORT GROUND CONTROLLER. IT SHALL BE UNDERSTOOD BY THE CONTRACTOR THAT AIRPORT TRAFFIC ON RUNWAYS, TAXIWAYS AND APRONS SHALL HAVE PRIORITY OVER CONTRACTOR'S VEHICLES.
- PRIOR TO OPENING FOR AIRCRAFT USE, THE CONTRACTOR WILL HAVE READY FOR AIRCRAFT OPERATIONS AND ALLOW ADEQUATE TIME FOR INSPECTION BY AIRPORT OPERATIONS ANY RUNWAY, TAXIWAY OR APRON THAT HAS BEEN CLOSED FOR WORK, OR THAT HAS BEEN USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR. NO BARRICADES SHALL BE REMOVED UNTIL THE INSPECTION BY AIRPORT OPERATIONS IS COMPLETE AND ACCEPTED.

TEMPORARY GUARD HOUSE NOTES:

- CONTRACTOR SHALL PROVIDE A TEMPORARY CONTRACTOR-FURNISHED GUARD HOUSE AT ALL CONSTRUCTION ACCESS GATES ENTERING THE AOA SECURE AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE GUARD HOUSE FOR THE DURATION OF THE PROJECT. THE CONTRACTOR WILL PROVIDE A PORTABLE TOILET FACILITY AT EACH LOCATION FOR THE EXCLUSIVE USE OF THE GATE GUARD AT NO ADDITIONAL COST TO THE OWNER. TRASH SHALL BE REMOVED DAILY AND GUARD HOUSE CLEANED WEEKLY WITH NO DIRECT PAYMENT. THIS WORK SHALL BE INCIDENTAL TO PAY ITEM S-100-6.2.
- ALL EQUIPMENT SHALL BE SUBMITTED TO THE PROGRAM MANAGER FOR APPROVAL BY AIRPORT SECURITY PRIOR TO INSTALLATION AND OPERATION. CONTACT AIRPORT SECURITY (901) 922-8021 FOR DETAILED SPECIFICATIONS OF THE ABOVE EQUIPMENT.
- ALL PERSONNEL ALLOWED PAST THE GUARD HOUSE SHALL BE PROPERLY BADGED BY THE OWNER'S SECURITY DEPARTMENT FOR ACCESS ONTO THE AOA AREA UNLESS ESCORTED PER MSCAA REQUIREMENTS. ACCESS WILL BE DENIED IF NOT PROPERLY BADGED.

TEMPORARY CONSTRUCTION FLAGGERS:

- CONTRACTOR SHALL PROVIDE A FLAGGER ON EACH SIDE OF ACTIVE TAXIWAY CROSSINGS.
- THE CONTRACTOR SHALL INSTALL THE FOLLOWING SIGNS:
 - "STOP - WAIT UNTIL TRAFFIC IS CLEAR", 25' PRIOR TO THE CROSSING.
 - "STOP SIGN" AT LOCATION OF FLAGGER.
 - "WAIT UNTIL CLEARANCE IS GIVEN BEFORE PROCEEDING - NO TAILGATING" AT LOCATION OF FLAGGER.
- PAYMENT FOR THESE ITEMS SHALL BE INCIDENTAL TO S-100-6.7.

CONTRACTOR STAGING AREA NOTES

- CONTRACTOR SHALL INSTALL A MINIMUM 3" THICK GRADED AND COMPACTED GRAVEL BED TO THE LIMITS OF ALL CONTRACTOR STAGING AREAS.
- THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AT THE STAGING AND STOCKPILE AREAS AND PROVIDE TEMPORARY ROUTING OF STORMWATER AROUND THESE AREAS.
- THE CONTRACTOR SHALL INSTALL TEMPORARY SILT FENCE AROUND THE STAGING AND STOCKPILE AREAS PER DETAIL 2 ON SHEET C-GR-09.
- CONTRACTOR SHALL PROVIDE A STONE STABILIZED BASE UNDER MATERIAL STOCKPILE LOCATIONS. NO DIRECT PAY
- ANY AND ALL REQUIRED UTILITIES FOR THE CONTRACTOR'S OPERATIONS SHALL BE ARRANGED FOR AND PAID FOR BY THE CONTRACTOR DIRECTLY WITH THE APPROPRIATE UTILITY. UTILITY ARRANGEMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE PROGRAM MANAGER.
- THE CONTRACTOR SHALL COMPLETE CLEAN UP AND RESTORATION OF THE STAGING AND STORAGE AREAS, AS APPROVED BY THE PROGRAM MANAGER WITHIN 15 DAYS OF CONTRACT COMPLETION DATE.



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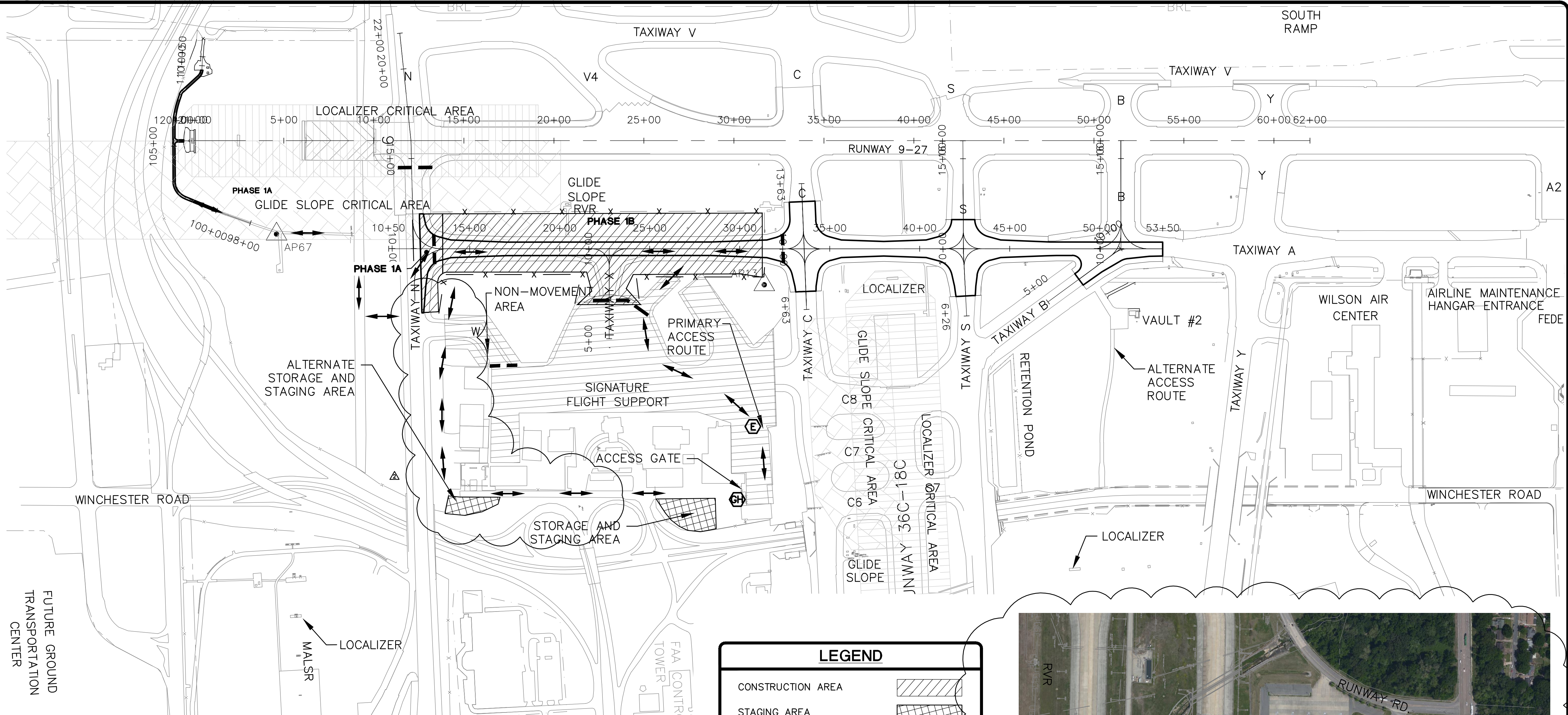
PROJECT:

**TAXIWAY ALPHA WEST
RECONSTRUCTION**

SHEET TITLE:

**CONTRACTOR
ACCESS ROUTES**

MSCAA NO. **18-1413-01**
DWG. FILE NAME **G-PH-13.DWG**
DATE **04/06/2023** DWG NO.
SCALE **1"=500'** **G-PH-13**
SHEET NO.
FACILITY NO. **NONE** **13 of 136**



PHASING NOTES

1. PHASE 1A AND PHASE 1B GENERALLY CONSISTS OF TAXIWAY ALPHA RECONSTRUCTION FROM THE FAR WEST END OF TAXIWAY ALPHA (STA 12+25.98) NEAR THE INTERSECTION WITH TAXIWAY NOVEMBER TO STATION 31+25. THE WORK TO BE PERFORMED ON TAXIWAY ALPHA INSIDE THE TAXIWAY OBJECT FREE AREA OF TAXIWAY NOVEMBER WILL BE AN EXPEDITED SUBPHASE.
2. PHASE 1A IS INTENDED TO CLOSE TAXIWAY NOVEMBER FROM THE NORTH END OF RUNWAY 18R NORTH TO RUNWAY 9 AT M9. DURING THIS TIME, THE WESTERN ACCESS TO SIGNATURE RAMP FROM NOVEMBER WILL BE CLOSED AS WELL. DEMOLITION AND CONSTRUCTION OF THE ILS SERVICE ROAD IS TO OCCUR IN PHASE 1A WITH ACCESS FROM (CLOSED) TAXIWAY NOVEMBER. THE DEMOLITION OF THE OLD ROAD WILL REQUIRE A SHORT CLOSURE OF RUNWAY 9-27 WHILE THE DEMOLITION TAKES PLACE WITHIN THE RUNWAY SAFETY AREA. ALL NEW CONSTRUCTION IS OUTSIDE OF THE RSA LIMITS.
3. DURING PHASE 1A, THE CONTRACTOR IS TO POUR THE FAR WEST P-501 PAVING LANE OF TAXIWAY ALPHA FIRST AND PROGRESS WORK TO THE EAST. TAXIWAY NOVEMBER IS INTENDED TO BE RE-OPENED AT THE END OF EACH DAY. REFER TO AC 150/5370-2G, SECTION 2.22.3.4.2 WHICH ALLOWS FOR TAXIWAYS TO BE OPENED WITH CONSTRUCTION INSIDE THE TSA (107' FROM CL) WITH CAVEATS SUCH AS TAXING SPEED IS LIMITED TO 10 MPH, APPROPRIATE NOTAMS ARE ISSUED, MARKING AND LIGHTING MEETING THE PROVISIONS OF PARAGRAPHS 2.18 AND 2.20 ARE IMPLEMENTED, LOW MASS, LOW-PROFILE LIGHTED BARRICADES ARE INSTALLED, APPROPRIATE TEMPORARY ORANGE CONSTRUCTION SIGNS ARE INSTALLED.
4. CONTRACTOR TO PROTECT ALL ITEMS NOT DESIGNATED FOR REMOVAL.
5. TAXIWAY GUIDANCE SIGNS SHALL BE OBSCURED AND RESTORED FOR PHASE CONSTRUCTION AS REQUIRED BY PROGRAM MANAGER. NO SEPARATE PAYMENT SHALL BE MADE.
6. AT THE END OF EACH DAY, ALL EQUIPMENT SHALL BE MOVED OUT OF TAXIWAY NOVEMBER TOFA.

LEGEND

CONSTRUCTION AREA

STAGING AREA

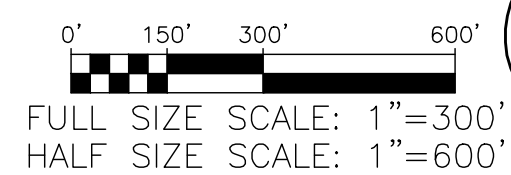
TYPE I BARRICADES

PLASTIC SAFETY FENCE

HAUL ROUTE

GUARD HOUSE

ESCORT



PHASE DURATIONS

PHASE 1A – NTP TO COMPLETION 60 CALENDAR DAYS.
WORK HOURS TO BE 0700 hrs. – 1400 hrs. TUESDAY THRU
SUNDAY AND UNRESTRICTED ON MONDAYS.

PHASE 1B – NTP TO COMPLETION 120 CALENDAR DAYS CAN BE
CONCURRENT WITH PHASE 1A DURATION BUT ONLY IF
CONSTRUCTION DOES NOT IMPACT THE COMPLETION OF PHASE 1A.



BATCH PLANT LOCATION 1"=300'



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JOB NO.	72198
---------	-------

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 **POWERS HILL DESIGN**
CIVIL ENGINEERING. CIVIL RESPONSIBILITY.

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JOB NO.

DRAWN BY: RNP	
CHECKED BY: HP	
APPROVED BY: TG	

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ADDENDUM 2		5/3/23	
NO.	DESCRIPTION	DATE	BY
REVISIONS			

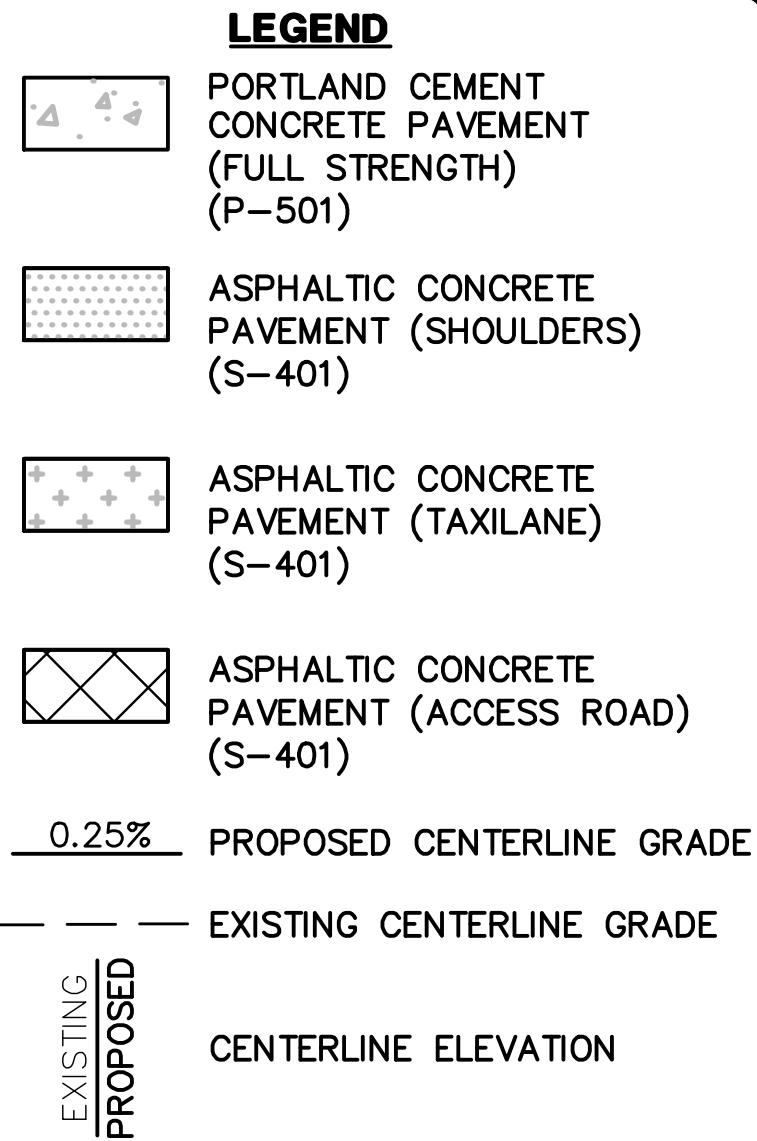
PROJECT:

**TAXIWAY ALPHA
WEST
RECONSTRUCTION**

SHEET TITLE:

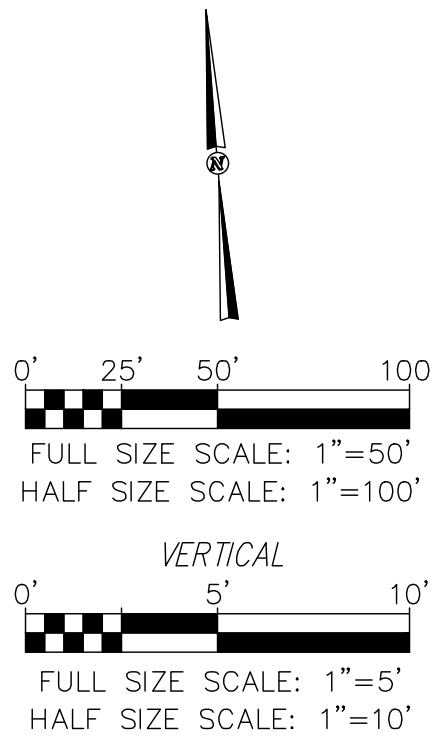
PHASING PLAN PHASE 1A AND PHASE 1B

MSCAA NO.		18-1413-01	
DWG. FILE NAME G-PH-14.DWG			
DATE 04/06/2023		DWG NO. G-PH-14	
SCALE			
FACILITY NO. NONE		SHEET NO. 14 of 136	



1. REFER TO SHEET G-HZ-06
(PROJECT HORIZONTAL AND
VERTICAL CONTROL) FOR
HORIZONTAL CONTROL.

2. EXISTING UNDERGROUND FACILITIES SHOWN ARE LOCATED FROM AVAILABLE SURFACE INFORMATION, MAPS, PLANS AND OTHER RECORDS. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON THE INFORMATION AVAILABLE. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXACT LOCATION AND DEPTH OF UTILITIES AND PROTECTING THOSE UTILITIES BEFORE EXCAVATING AND DURING CONSTRUCTION.
3. REFER TO GRADING, DRAINAGE AND EROSION CONTROL PLANS (SERIES C-GR) FOR LOCATION, SIZE AND STRUCTURE DETAILS.
4. REFER TO EXISTING CONDITIONS AND DEMOLITION PLANS (SERIES C-EC) FOR UTILITY MODIFICATIONS.
5. REFER TO ELECTRICAL PLANS (SERIES E) FOR AIRFIELD LIGHTING AND SIGNAGE SYSTEMS.



			
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PROGRAM MANAGER			
 Parsons Transportation Group Inc. Project Office: 4225 Airways Blvd. Memphis TN, 38116 JOB NO. XXXXXX			
 Allen & Hoshall engineers-architects-surveyors 1661 INTERNATIONAL DRIVE SUITE 100 MEMPHIS, TENNESSEE 38120 PHONE: 901-820-0820 FAX: 901-883-1001			
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ENGINEER - SUBCONSULTANT			
 POWERS HILL DESIGN CIVIL ENGINEERING, CIVIL RESPONSIBILITY. 80 Monroe Avenue Suite 420 Memphis, TN 38103 Tel: 901.543.8000			
JOB NO.		XXXXXX	
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CHECKED BY:	HP		
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 ADDENDUM 2		5/3/23	
NO.	DESCRIPTION	DATE	BY
REVISIONS			
PROJECT:			
TAXIWAY ALPHA WEST RECONSTRUCTION			
SHEET TITLE:			
PLAN & PROFILE STA. 31+50.00 TO STA. 43+50.00			
MSCAA NO.		18-1413-01	
DWG. FILE NAME		C-PP-03.DWG	
DATE	04/06/23	DWG NO.	
SCALE	1"=50'	C-PP-03	
FACILITY NO.		57 of 136	
NONE			

MATCHLINE STA. 31+50.00 SEE SHEET C-GR-02

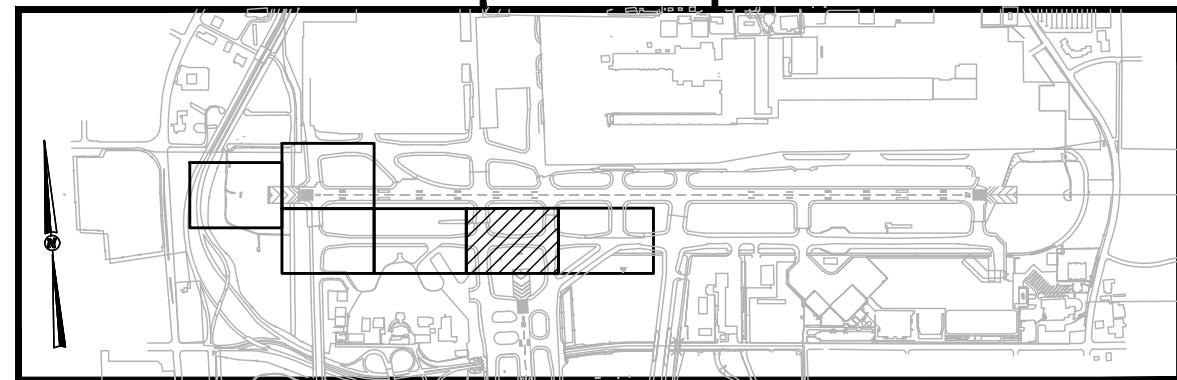
MATCHLINE STA. 43+50.00 SEE SHEET C-GR-04

PROPOSED LEGEND

- PROPOSED INLET
- PROPOSED DRAINAGE PIPE
- PROPOSED HEADWALL/
FLARED END SECTION
- PROPOSED CONCRETE SWALE
- PROPOSED DRAIN MANHOLE
- PROPOSED CONTOURS
- EXISTING CONTOURS
- EXISTING PIPE
- PROPOSED DRAINAGE STRUCT. LABEL

NOTES

- SEE SHEET G-ID-03 FOR DEFINITION OF SYMBOLS AND ABBREVIATIONS.
- SEE GEOMETRIC LAYOUT SHEETS FOR PROPOSED PAVEMENT LOCATION AND DIMENSIONAL INFORMATION.
- EXISTING UNDERGROUND FACILITIES SHOWN ARE LOCATED FROM AVAILABLE SURFACE INFORMATION, MAPS, PLANS AND OTHER RECORDS. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON THE INFORMATION AVAILABLE. CONTRACTOR IS TOTALLY RESPONSIBLE FOR LOCATING AND MARKING ALL UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION AND PROTECTING THOSE FACILITIES DURING CONSTRUCTION.
- SEE ELECTRICAL SHEETS FOR LOCATION OF ADDITIONAL ELECTRICAL FACILITIES.
- CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATIONS, DEPTH, AND CONDITION (DEB, CONDUIT OR DUCT) AND REPORT INFORMATION TO CONSTRUCTION MANAGER FOR ASSESSMENT.



0' 25' 50' 100'
FULL SIZE SCALE: 1"=50'
HALF SIZE SCALE: 1"=100'



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HP

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ADDENDUM 2	5/3/23

NO.	DESCRIPTION	DATE	BY

PROJECT:

**TAXIWAY ALPHA
WEST
RECONSTRUCTION**

SHEET TITLE:

**GRADING AND
DRAINAGE PLAN
STA. 31+50.00
TO
STA. 43+50.00**

MSCAA NO. 18-1413-01

DWG. FILE NAME
C-GR-03.DWG

DATE
04/06/2023

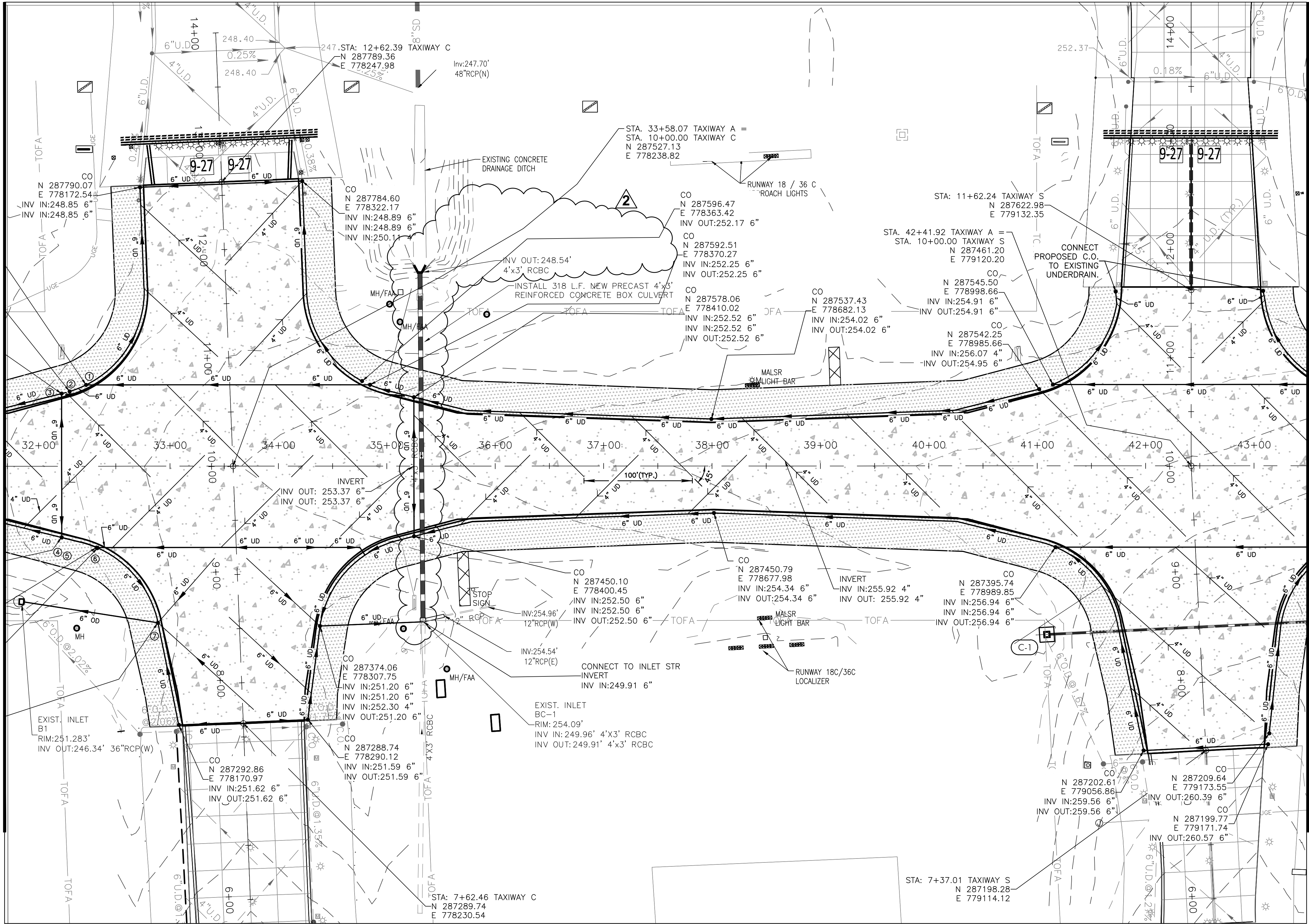
SCALE
1"=50'

FACILITY NO.
NONE

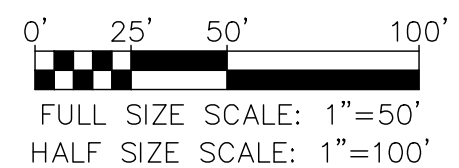
DWG NO.
C-GR-03

SHEET NO.
77 of 136

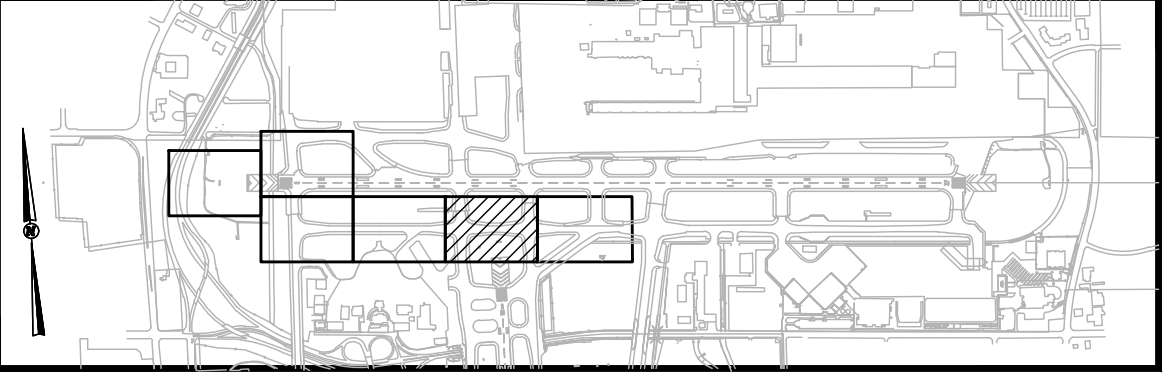
MATCHLINE STA. 31+50.00 SEE SHEET C-UD-02



MATCHLINE STA. 43+50.00 SEE SHEET C-UD-04



KEYMAP



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CHECKED BY:	SH
APPROVED BY:	SH

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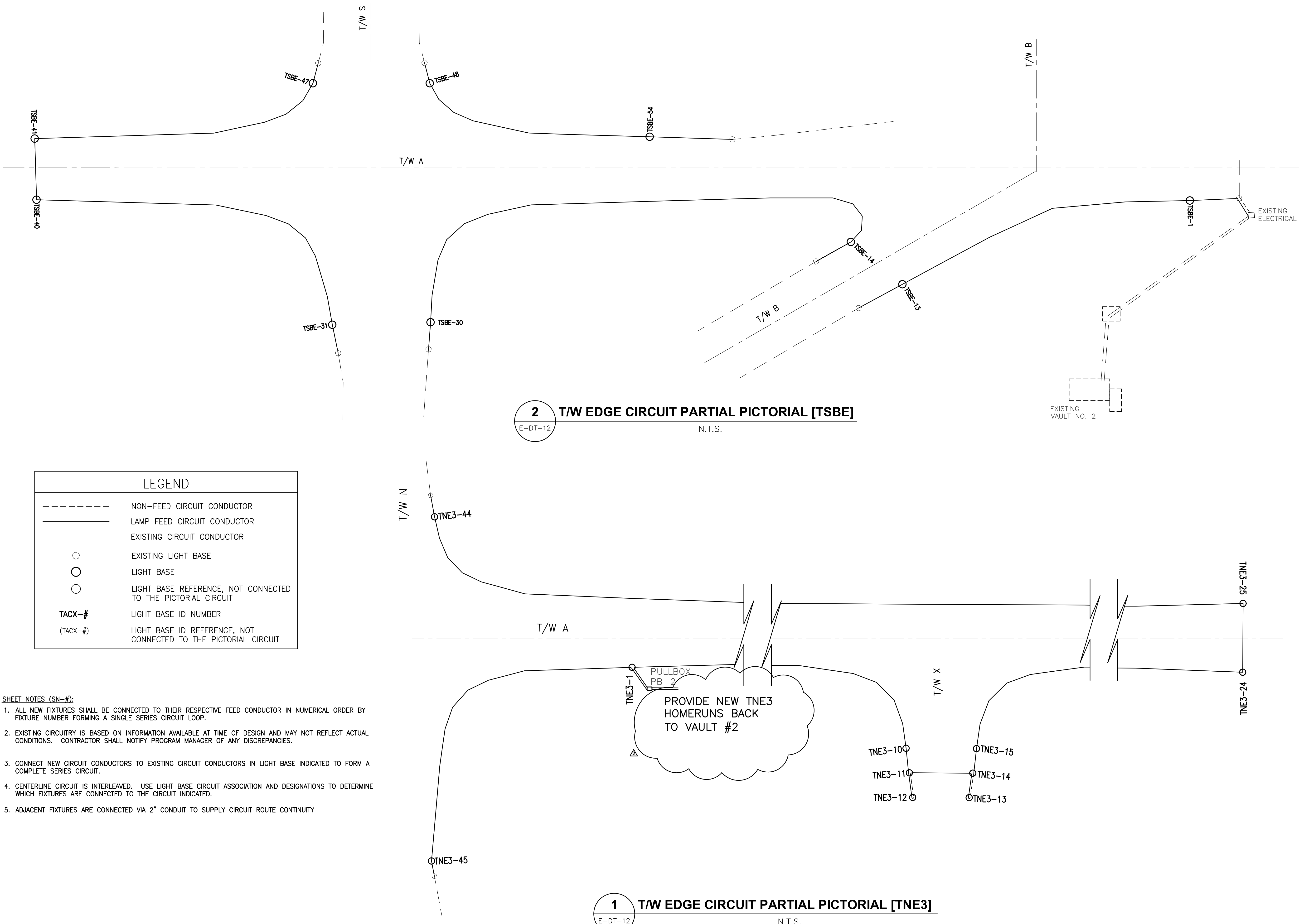
NO.	DESCRIPTION	DATE	BY
1	ADDENDUM 2	5/3/23	
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PROJECT:
TAXIWAY ALPHA WEST RECONSTRUCTION

SHEET TITLE:
**UNDERDRAIN LAYOUT
STA. 31+50.00 TO
STA. 43+50.00**

MSCAA NO.	18-1413-01
DWG. FILE NAME	C-UD-03.DWG
DATE	04/06/2023
SCALE	1"=50'
FACILITY NO.	NONE
DWG. NO.	C-UD-03
SHEET NO.	85 of 136

Drawing name: J:\72198-MSCAA\18-1413\DRAWINGS\E-DT-12.dwg 22x34 May 05, 2023 10:41am by: tgbson



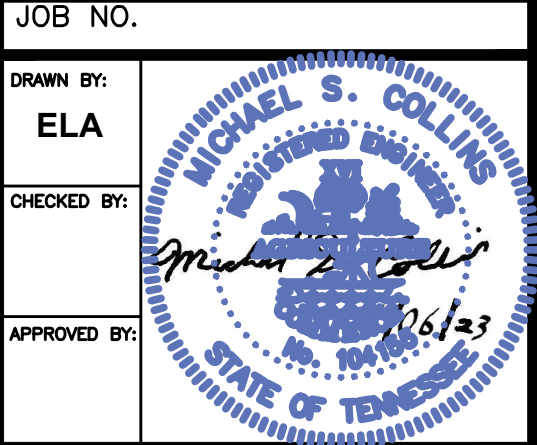
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 ADDENDUM		5/3/23	
NO.	DESCRIPTION	DATE	BY
REVISIONS			

PROJECT:
TAXIWAY ALPHA WEST RECONSTRUCTION

SHEET TITLE:
CIRCUIT PICTORIALS 3 OF 6

MSCAA NO. **18-1413-01**
DWG. FILE NAME **E-DT-12.DWG**
DATE **04/06/2023** DWG NO. **E-DT-12**
SCALE **N.T.S.** SHEET NO. **117 of 136**
FACILITY NO. **NONE**