

09A

WHITESIDE COUNTY AIRPORT BOARD WHITESIDE COUNTY, ILLINOIS

WH017
TOTAL SHEETS:
15


Whiteside
COUNTY AIRPORT
JOSEPH H. BITTORF FIELD
WHITESIDE COUNTY AIRPORT BOARD

APPROVED BY Monte Van Kooten
MONTE VAN KOOTEN, PRESIDENT
DATE July 28, 2023

CONSTRUCTION PLANS FOR WHITESIDE COUNTY AIRPORT

REHABILITATE AIRPORT ENTRANCE ROAD AND PARKING LOTS

FINAL DESIGN SUBMITTAL

ILLINOIS PROJECT: SQI-5049

JULY 28, 2023
(SEPTEMBER 22, 2023 LETTING)

DESIGN INFORMATION

RUNWAY 18/36
AIRCRAFT DESIGN GROUP II
DESIGN APPROACH CATEGORY B
RUNWAY SAFETY AREA WIDTH = 150'

RUNWAY 7/25
AIRCRAFT DESIGN GROUP III
DESIGN APPROACH CATEGORY C
RUNWAY SAFETY AREA WIDTH = 500'

MAXIMUM EQUIPMENT HEIGHT - 25'
UNICOM FREQUENCY - 123.00

INDEX TO SHEETS

1. COVER SHEET / INDEX TO SHEETS
2. SUMMARY OF QUANTITIES
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4. TYPICAL SECTION
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6. SEQUENCE OF CONSTRUCTION NOTES AND DETAILS
7. EXISTING CONDITIONS AND REMOVALS 1
8. EXISTING CONDITIONS AND REMOVALS 2
9. GRADING PLAN 1
10. GRADING PLAN 2
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13. PAVEMENT MARKING DETAILS
14. MISCELLANEOUS DETAILS
15. SWPPP DETAILS

 **811** Know what's below.
Call before you dig. COMMON GROUND ALLIANCE
www.call811.com or
Phone: 811

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

TOWNSHIP: 20 NORTH COUNTY: WHITESIDE
RANGE: 7 EAST TOWNSHIP: MONTMORENCY
SECTION: 10

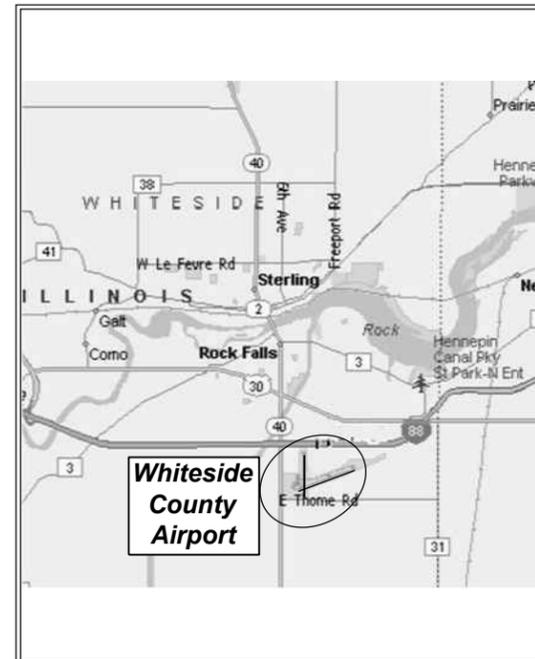
Illinois Professional Engineering Practice Act of 1989


CMT
Engineers and Consultants



SUBMITTED BY Garrett E. Scholl
GARRETT E. SCHOLL, P.E.

DATE July 28, 2023
License Expires 11/30/2023



LOCATION MAP



SITE PLAN

CMT DESIGN NUMBER: 21001628.00

WH017

WHITESIDE COUNTY AIRPORT
STERLING/ROCK FALLS, IL

WHITESIDE COUNTY AIRPORT BOARD

IL Proj:
SQI-5049

APPROVED AS WORKING PLAN
BY:

REV DATE DESCRIPTION

PROJECT NAME:

REHABILITATE AIRPORT ENTRANCE ROAD AND PARKING LOT

SHEET TITLE:

SUMMARY OF QUANTITIES

DESIGNED: CMT-MLI DRAWN: CMT-MLI CHECKED: CMT-MLI

PROJECT NO.: 21001628.00
DATE: JULY 28, 2023

SHEET NO.	2	REVISION
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SHEET 2 OF 15 SHEETS

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	RECORD QUANTITY
AR150520	MOBILIZATION	L SUM	1.00	
AR156520	INLET PROTECTION	EACH	6.00	
AR162530	WALKWAY GATES, CLASS E (5')	EACH	2.00	
AR162571	DETECTOR LOOP	EACH	4.00	
AR162905	REMOVE GATE	EACH	2.00	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	FOOT	3,000.00	
AR401611	BIT. SURFACE COURSE - METHOD I	TON	1,275.00	
AR401650	BITUMINOUS PAVEMENT MILLING	SQ YD	10,800.00	
AR501604	4" PCC SIDEWALK	SQ FT	420.00	
AR501690	PCC SIDEWALK REMOVAL	SQ FT	500.00	
AR603510	BITUMINOUS TACK COAT	GALLON	1,330.00	
AR620520	PAVEMENT MARKING - WATERBORNE	SQ FT	5,100.00	
AR910975	RELOCATE ROADWAY SIGN	EACH	2.00	

WH017

WHITESIDE
COUNTY AIRPORT
STERLING/ROCK FALLS, IL

WHITESIDE COUNTY
AIRPORT BOARD

IL Proj:
SQI-5049

APPROVED AS WORKING PLAN
BY:

REV	DATE	DESCRIPTION

PROJECT NAME:

**REHABILITATE AIRPORT
ENTRANCE ROAD AND
PARKING LOT**

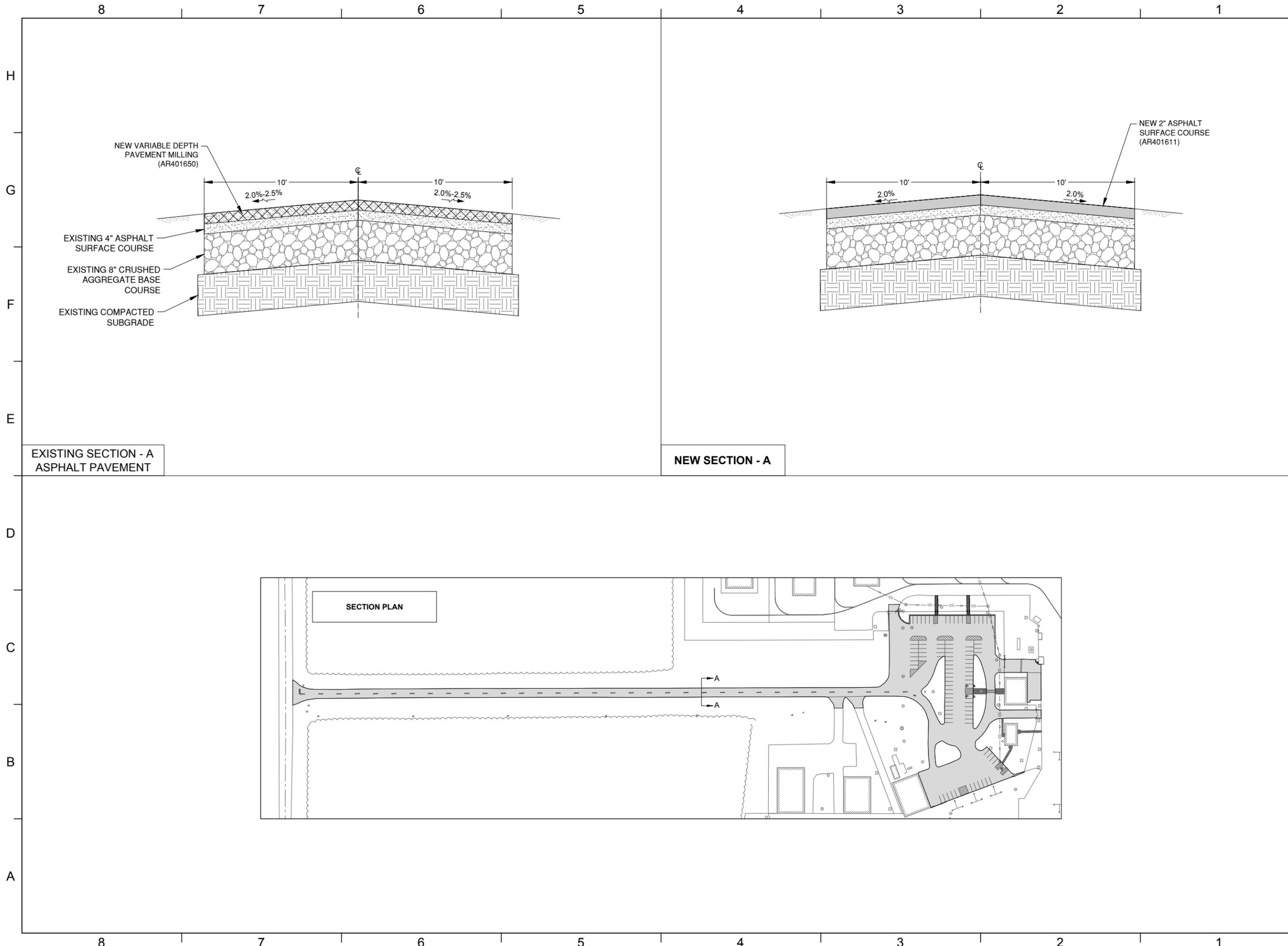
SHEET TITLE:

TYPICAL SECTION

DESIGNED: CMT-MLI	DRAWN: CMT-MLI	CHECKED: CMT-MLI
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PROJECT NO.: 21001628.00
DATE: JULY 28, 2023

SHEET NO.	4	REVISION
SHEET 4 OF 15 SHEETS		



EXISTING SECTION - A
ASPHALT PAVEMENT

NEW SECTION - A

SECTION PLAN

APPROVED AS WORKING PLAN
BY:

REV	DATE	DESCRIPTION

PROJECT NAME:

**REHABILITATE AIRPORT
ENTRANCE ROAD AND
PARKING LOT**

SHEET TITLE:
**SEQUENCE OF
CONSTRUCTION**

DESIGNED: CMT-MLI DRAWN: CMT-MLI CHECKED: CMT-MLI

PROJECT NO.: 21001628.00
DATE: JULY 28, 2023

SHEET NO. **5** REVISION

SHEET 5 OF 15 SHEETS

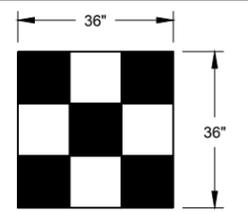
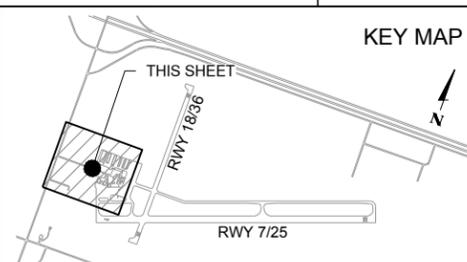
SUGGESTED SEQUENCE OF CONSTRUCTION

1. COORDINATE CLOSURE AND ACCESS PLAN WITH THE AIRPORT AND CMT
2. INSTALL TRAFFIC CONTROL BARRICADES
3. INSTALL EROSION CONTROL MEASURES
4. MILL ASPHALT PAVEMENT
5. REMOVE AND REPLACE PCC SIDEWALKS
6. INSTALL NEW PEDESTRIAN GATES
7. CONSTRUCT NEW ASPHALT PAVEMENT
8. RESTORE LANDSCAPING
9. INSTALL NEW PAVEMENT MARKINGS (30 DAY PAVEMENT CURE)

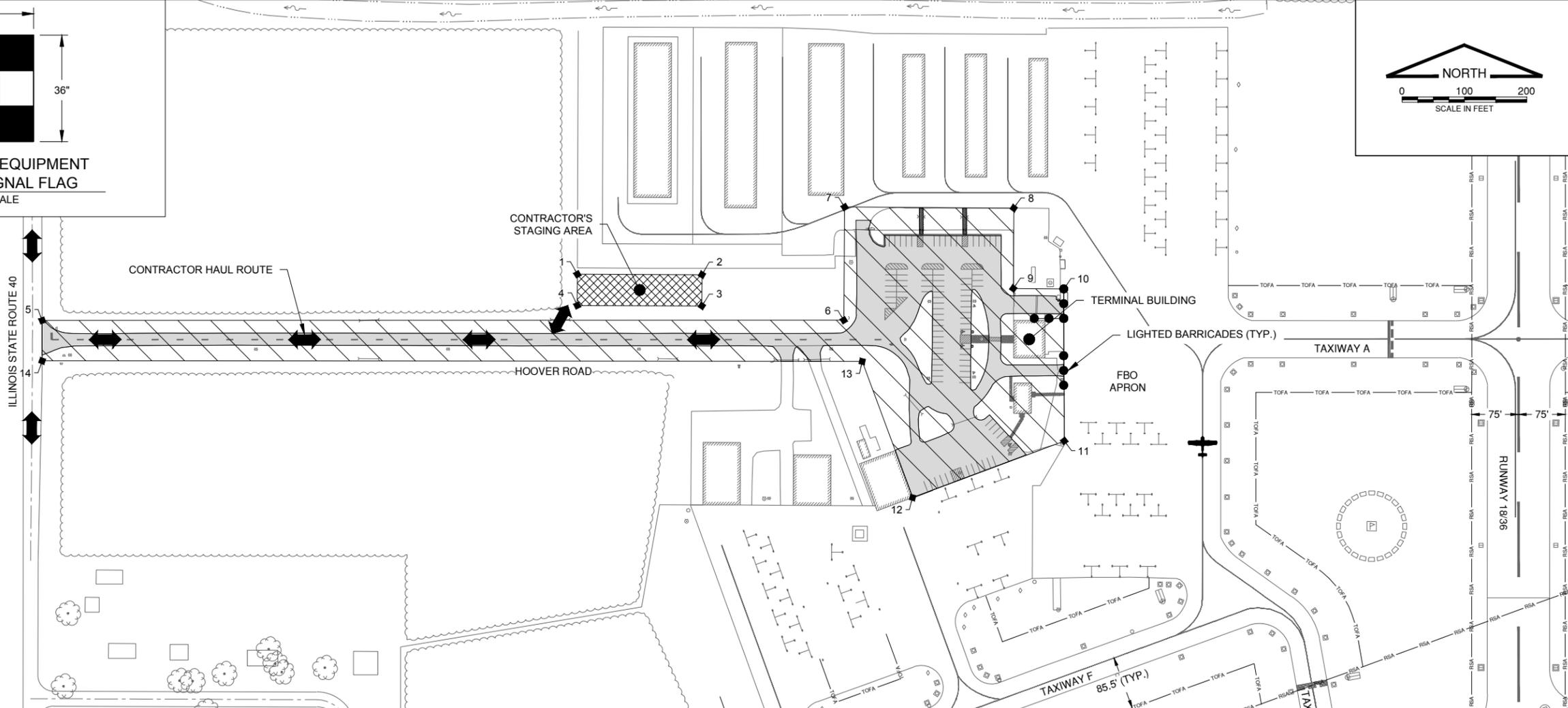
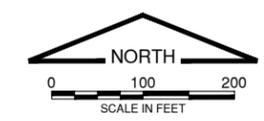
GENERAL PHASING NOTES

1. DAMAGE TO AIRPORT ROADS, CONTRACTOR STAGING AREA AND AIRFIELD PAVEMENTS SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR EXPENSE.
2. CONTRACTOR EMPLOYEES SHALL PARK IN EXISTING AIRPORT PARKING. NO PERSONAL VEHICLES ARE ALLOWED ON THE AIRFIELD.
3. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS AT THE CONTRACTOR'S STAGING AREA. THE MAXIMUM HEIGHT OF EQUIPMENT, MATERIALS AND STOCKPILES SHALL BE 25' ABOVE GROUND ELEVATION.
4. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL AIRPORT FACILITIES AND PARKING LOTS THROUGH THE DURATION OF THE PROJECT. SHOULD TEMPORARY ACCESS MEASURES BE REQUIRED, ALL COST SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
5. IF A TEMPORARY LANE CLOSURE IS REQUIRED ON ILLINOIS STATE ROUTE 40, THE CONTRACTOR SHALL NOTIFY ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 2, THE AIRPORT, THE CITY OF STERLING / ROCK FALLS AND WHITESIDE COUNTY 2 WEEKS IN ADVANCE. THE CONTRACTOR SHALL INSTALL THE NECESSARY SIGNS AND BARRICADES PER IDOT AND MUTCD STANDARDS AND A FLAGGER SHALL DIRECT TRAFFIC DURING THE LANE CLOSURE DURATION.

KEY MAP



**CONSTRUCTION EQUIPMENT
AND TRUCK SIGNAL FLAG**
NOT TO SCALE



LEGEND

- STAGING AREA
- PHASE WORK AREA
- CLOSED PAVEMENT
- RSA - RUNWAY SAFETY AREA (R.S.A.)
- TOFA - TAXIWAY OBJECT FREE AREA (T.O.F.A.)
- LOW PROFILE INTERCONNECTED BARRICADES
- FAA CRITICAL POINTS
- CONTRACTOR'S CONSTRUCTION ACCESS / HAUL ROAD
- AIRCRAFT MOVEMENT AREAS

CRITICAL POINTS

LOCATION DATA					
POINT #	LATITUDE	LONGITUDE	SE ELEV.	AGL HEIGHT	AMSL ELEV.
1	41° 44' 32.69"	89° 41' 11.23"	642	25	667
2	41° 44' 32.68"	89° 41' 08.59"	642	25	667
3	41° 44' 32.19"	89° 41' 08.59"	642	25	667
4	41° 44' 32.20"	89° 41' 11.23"	642	25	667
5	41° 44' 31.98"	89° 41' 22.56"	645	25	670
6	41° 44' 31.95"	89° 41' 05.59"	640	25	665
7	41° 44' 33.74"	89° 41' 05.57"	642	25	667
8	41° 44' 33.72"	89° 41' 01.99"	642	25	667
9	41° 44' 32.45"	89° 41' 02.00"	642	25	667
10	41° 44' 32.44"	89° 41' 00.93"	642	25	667
11	41° 44' 30.03"	89° 41' 00.93"	642	25	667
12	41° 44' 29.15"	89° 41' 04.14"	643	25	668
13	41° 44' 31.30"	89° 41' 05.20"	640	25	665
14	41° 44' 31.34"	89° 41' 22.56"	645	25	670

WH017

WHITESIDE
 COUNTY AIRPORT
 STERLING/ROCK FALLS, IL

WHITESIDE COUNTY
 AIRPORT BOARD

IL Proj:
 SQI-5049

APPROVED AS WORKING PLAN
 BY:

REV	DATE	DESCRIPTION

PROJECT NAME:
**REHABILITATE AIRPORT
 ENTRANCE ROAD AND
 PARKING LOT**

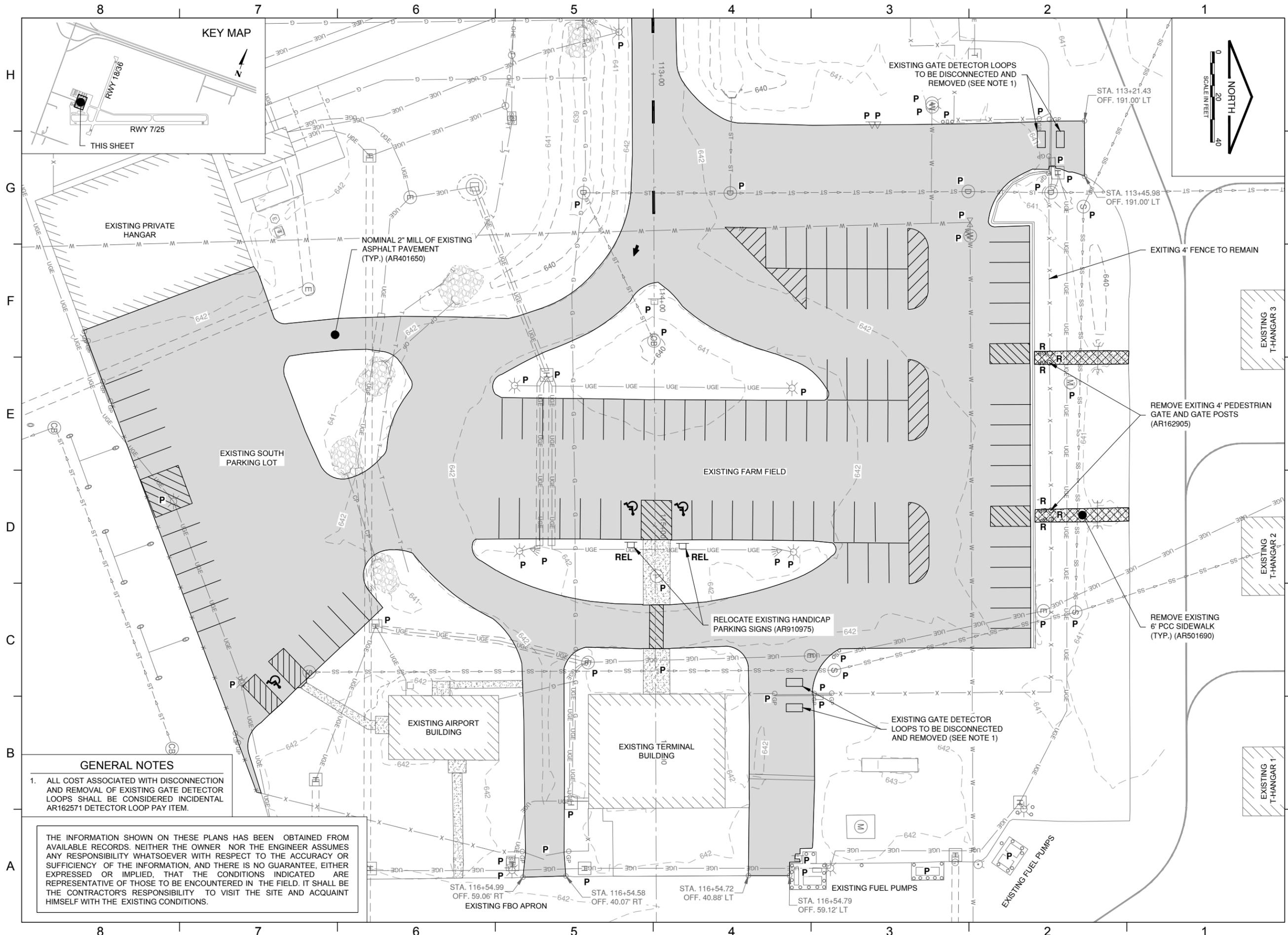
SHEET TITLE:
**EXISTING CONDITIONS
 AND REMOVALS 2**

DESIGNED: CMT-MLI DRAWN: CMT-MLI CHECKED: CMT-MLI

PROJECT NO.: 21001628.00
 DATE: JULY 28, 2023

SHEET NO. **8** REVISION

SHEET 8 OF 15 SHEETS



GENERAL NOTES

- ALL COST ASSOCIATED WITH DISCONNECTION AND REMOVAL OF EXISTING GATE DETECTOR LOOPS SHALL BE CONSIDERED INCIDENTAL AR162571 DETECTOR LOOP PAY ITEM.

THE INFORMATION SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER WITH RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION, AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE CONDITIONS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE FIELD. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND ACQUAINT HIMSELF WITH THE EXISTING CONDITIONS.

WH017

WHITESIDE COUNTY AIRPORT
STERLING/ROCK FALLS, IL

WHITESIDE COUNTY AIRPORT BOARD

IL Proj:
SQI-5049

APPROVED AS WORKING PLAN
BY:

REV	DATE	DESCRIPTION

PROJECT NAME:
REHABILITATE AIRPORT ENTRANCE ROAD AND PARKING LOT

SHEET TITLE:

GRADING PLAN 1

DESIGNED:	DRAWN:	CHECKED:
CMT-MLI	CMT-MLI	CMT-MLI

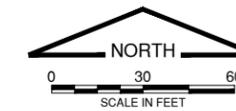
PROJECT NO.: 21001628.00
DATE: JULY 28, 2023

SHEET NO.	REVISION
9	

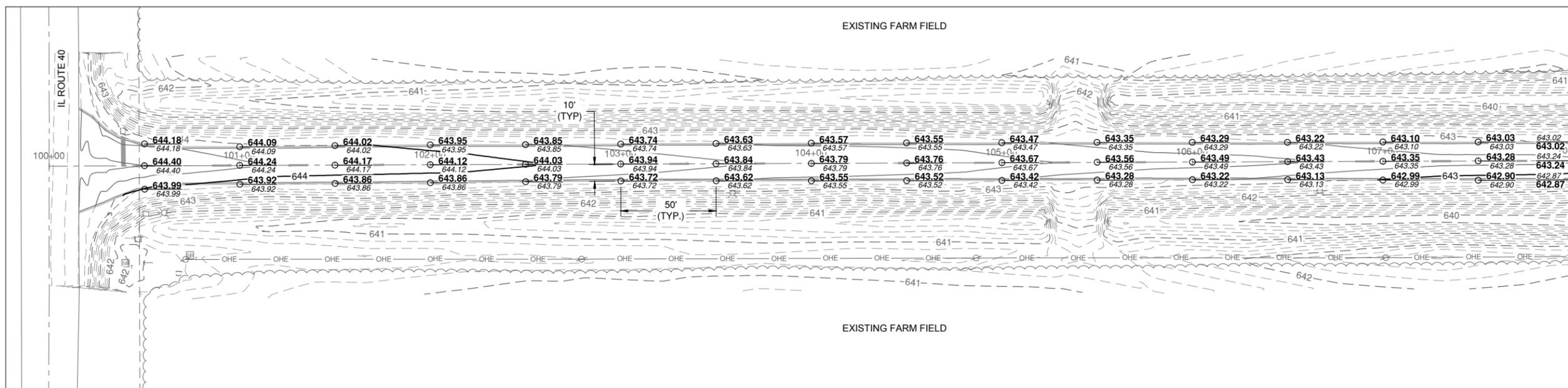
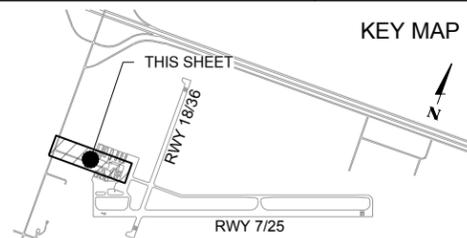
SHEET 9 OF 15 SHEETS

GENERAL NOTES

- ANY LANDSCAPING RESTORATION AND EARTHWORK REQUIRED DIRECTLY ADJACENT TO THE PAVEMENT EDGE, AS A RESULT OF CONTRACTOR'S CONSTRUCTION MEANS AND METHODS, SHALL BE COMPLETED AT NO ADDITIONAL COST TO THE CONTRACT.

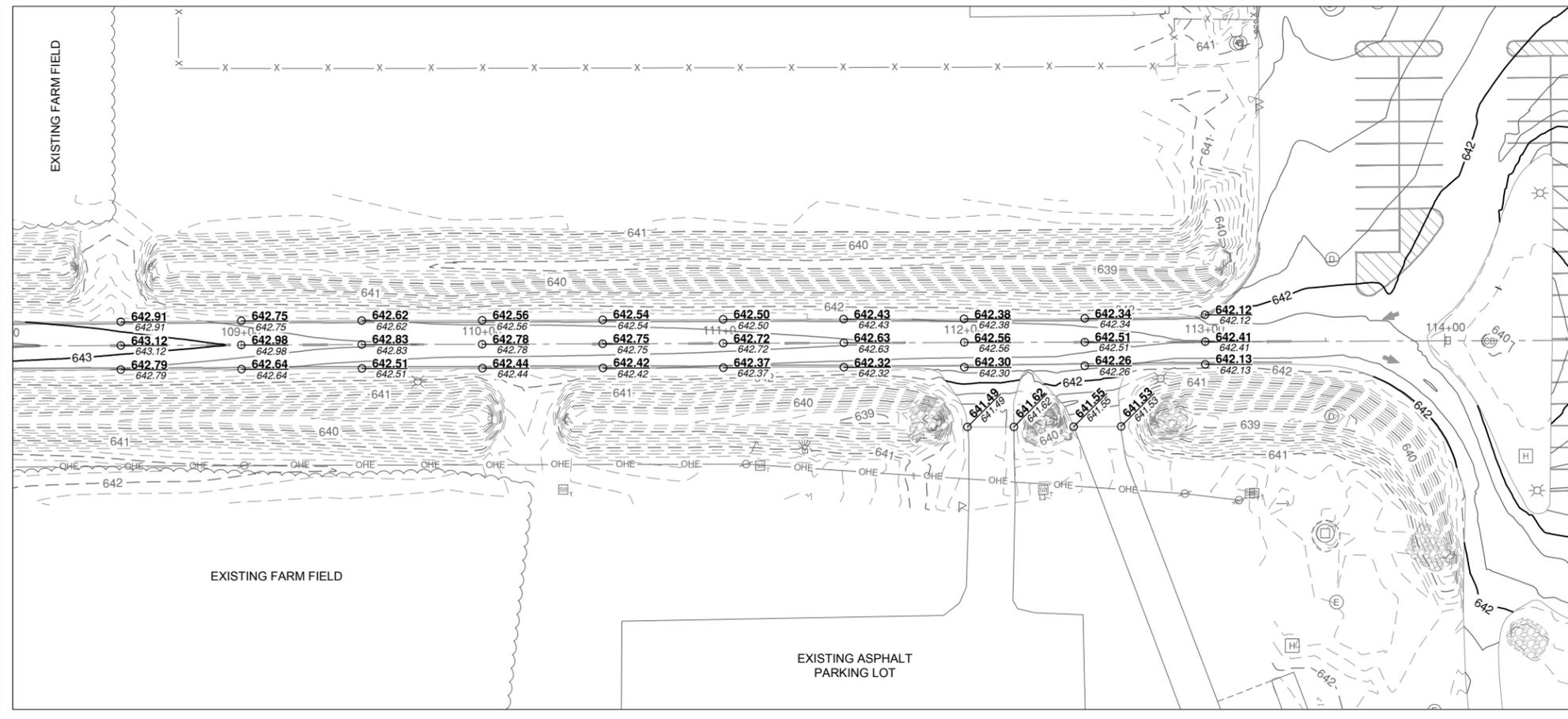


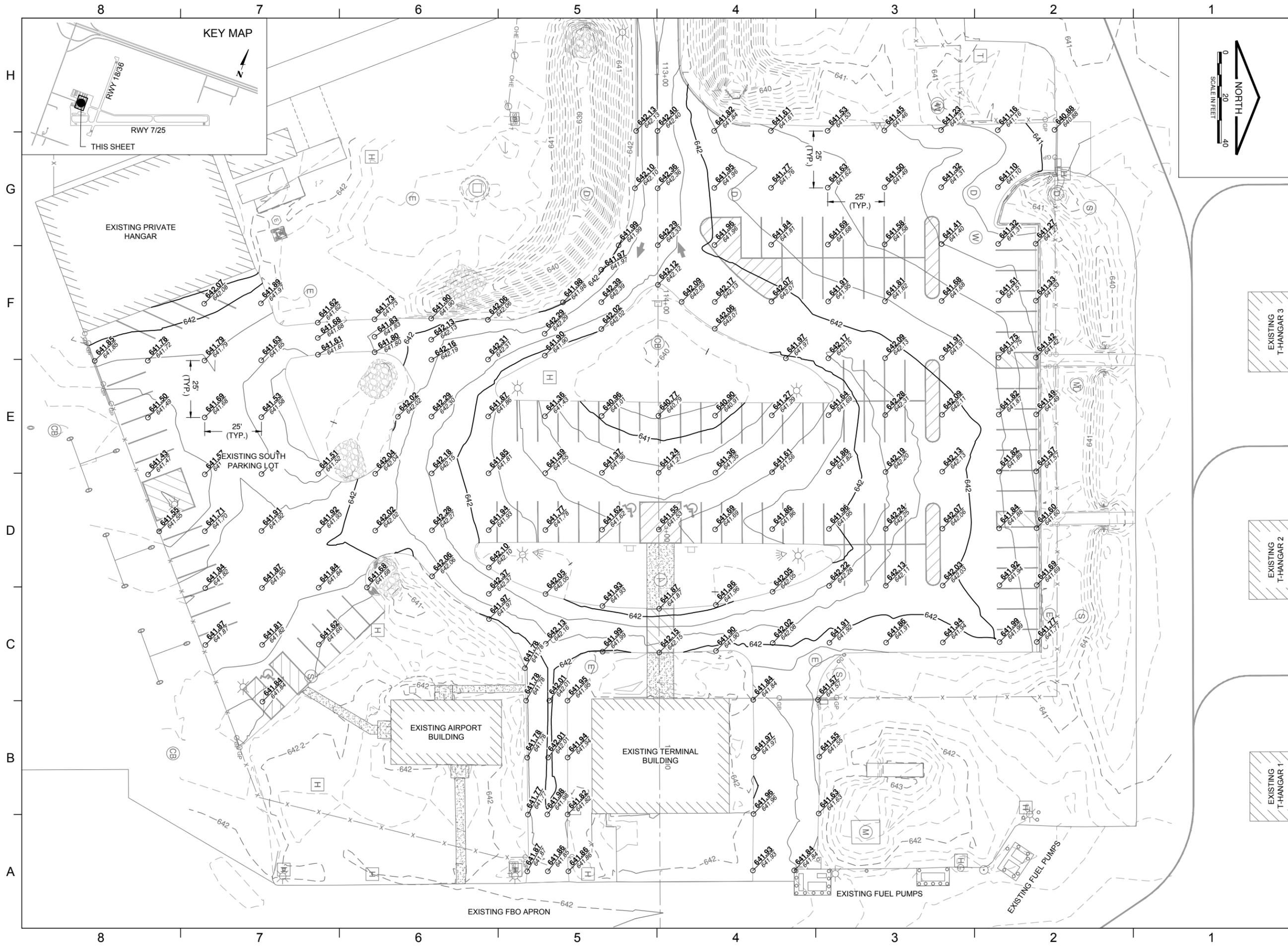
KEY MAP



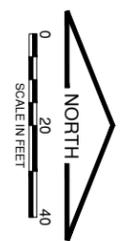
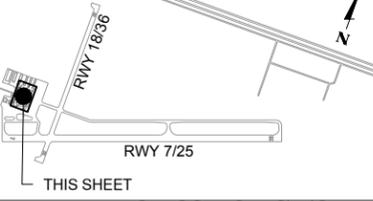
LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- NEW GRADE
- EXISTING GRADE
- EXISTING BUILDINGS
- EXISTING SIGN
- EXISTING FLAG POLE
- EXISTING SPLICE CAN
- EXISTING ELECTRIC HANDHOLE
- EXISTING ELECTRIC TRANSFORMER
- EXISTING TELEPHONE PEDESTAL
- EXISTING ELECTRICAL MANHOLE
- EXISTING POWER POLE
- EXISTING LIGHT POST
- EXISTING STORM SEWER STRUCTURE
- EXISTING FLARED END SECTION
- EXISTING RIPRAP
- EXISTING OVERHEAD POWER LINE
- EXISTING HYDRANT
- EXISTING WATER VALVE
- EXISTING SANITARY SEWER MANHOLE





KEY MAP



WH017

WHITESIDE COUNTY AIRPORT
STERLING/ROCK FALLS, IL

WHITESIDE COUNTY AIRPORT BOARD

IL Proj:
SQI-5049

APPROVED AS WORKING PLAN
BY:

REV	DATE	DESCRIPTION

PROJECT NAME:

REHABILITATE AIRPORT ENTRANCE ROAD AND PARKING LOT

SHEET TITLE:
GRADING PLAN 2

DESIGNED: CMT-MLI DRAWN: CMT-MLI CHECKED: CMT-MLI

PROJECT NO.: 21001628.00
DATE: JULY 28, 2023

SHEET NO. **10** REVISION

SHEET 10 OF 15 SHEETS

WH017

WHITESIDE COUNTY AIRPORT
 STERLING/ROCK FALLS, IL

WHITESIDE COUNTY AIRPORT BOARD

IL Proj:
 SQI-5049

APPROVED AS WORKING PLAN
 BY:

REV	DATE	DESCRIPTION

PROJECT NAME:
REHABILITATE AIRPORT ENTRANCE ROAD AND PARKING LOT

SHEET TITLE:

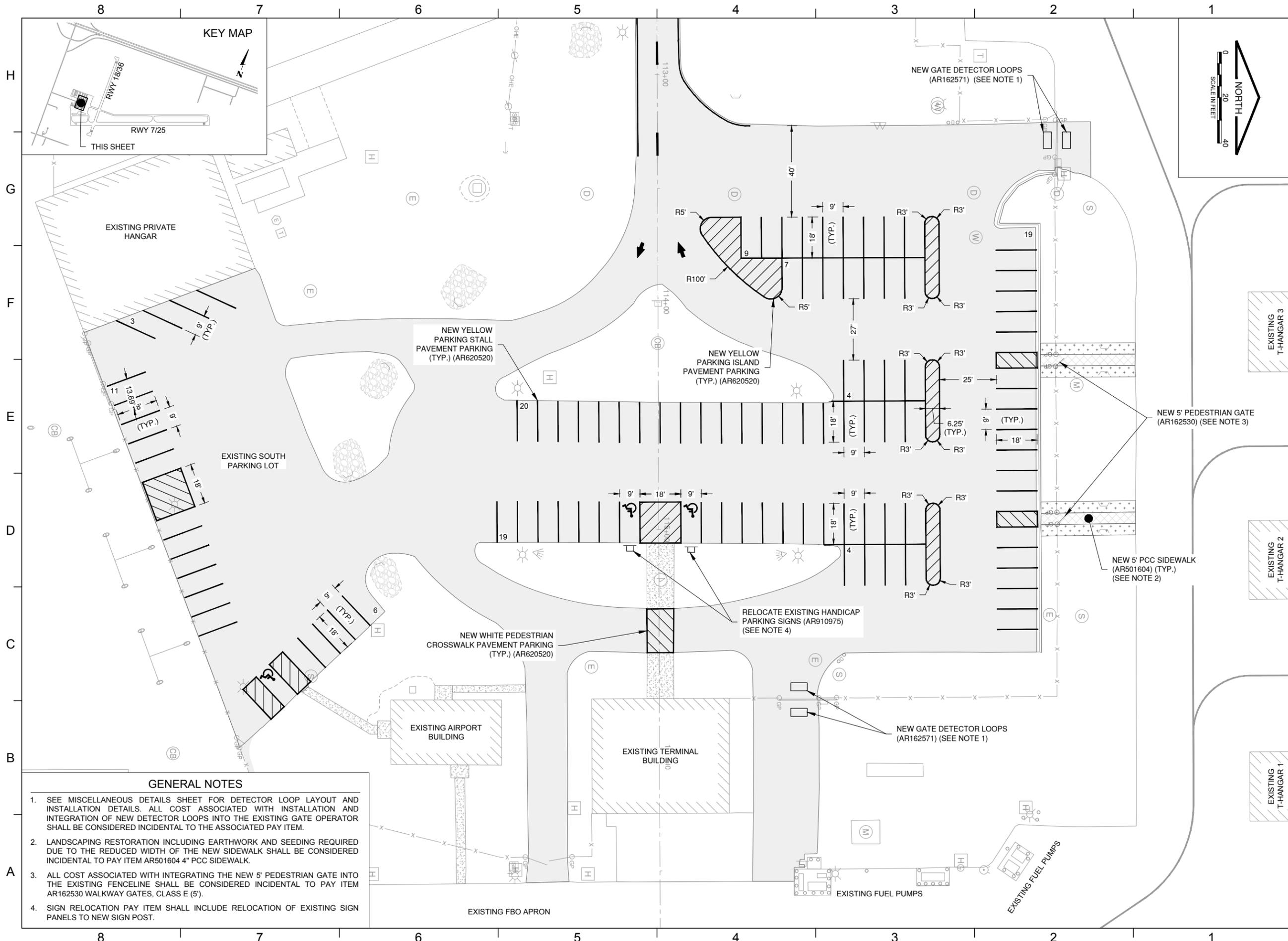
PAVEMENT MARKING PLAN 2

DESIGNED: CMT-MLI DRAWN: CMT-MLI CHECKED: CMT-MLI

PROJECT NO.: 21001628.00
 DATE: JULY 28, 2023

SHEET NO. **12** REVISION

SHEET 12 OF 15 SHEETS



GENERAL NOTES

- SEE MISCELLANEOUS DETAILS SHEET FOR DETECTOR LOOP LAYOUT AND INSTALLATION DETAILS. ALL COST ASSOCIATED WITH INSTALLATION AND INTEGRATION OF NEW DETECTOR LOOPS INTO THE EXISTING GATE OPERATOR SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED PAY ITEM.
- LANDSCAPING RESTORATION INCLUDING EARTHWORK AND SEEDING REQUIRED DUE TO THE REDUCED WIDTH OF THE NEW SIDEWALK SHALL BE CONSIDERED INCIDENTAL TO PAY ITEM AR501604 4" PCC SIDEWALK.
- ALL COST ASSOCIATED WITH INTEGRATING THE NEW 5' PEDESTRIAN GATE INTO THE EXISTING FENCELINE SHALL BE CONSIDERED INCIDENTAL TO PAY ITEM AR162530 WALKWAY GATES, CLASS E (5').
- SIGN RELOCATION PAY ITEM SHALL INCLUDE RELOCATION OF EXISTING SIGN PANELS TO NEW SIGN POST.

APPROVED AS WORKING PLAN
BY:

REV	DATE	DESCRIPTION

PROJECT NAME:

REHABILITATE AIRPORT ENTRANCE ROAD AND PARKING LOT

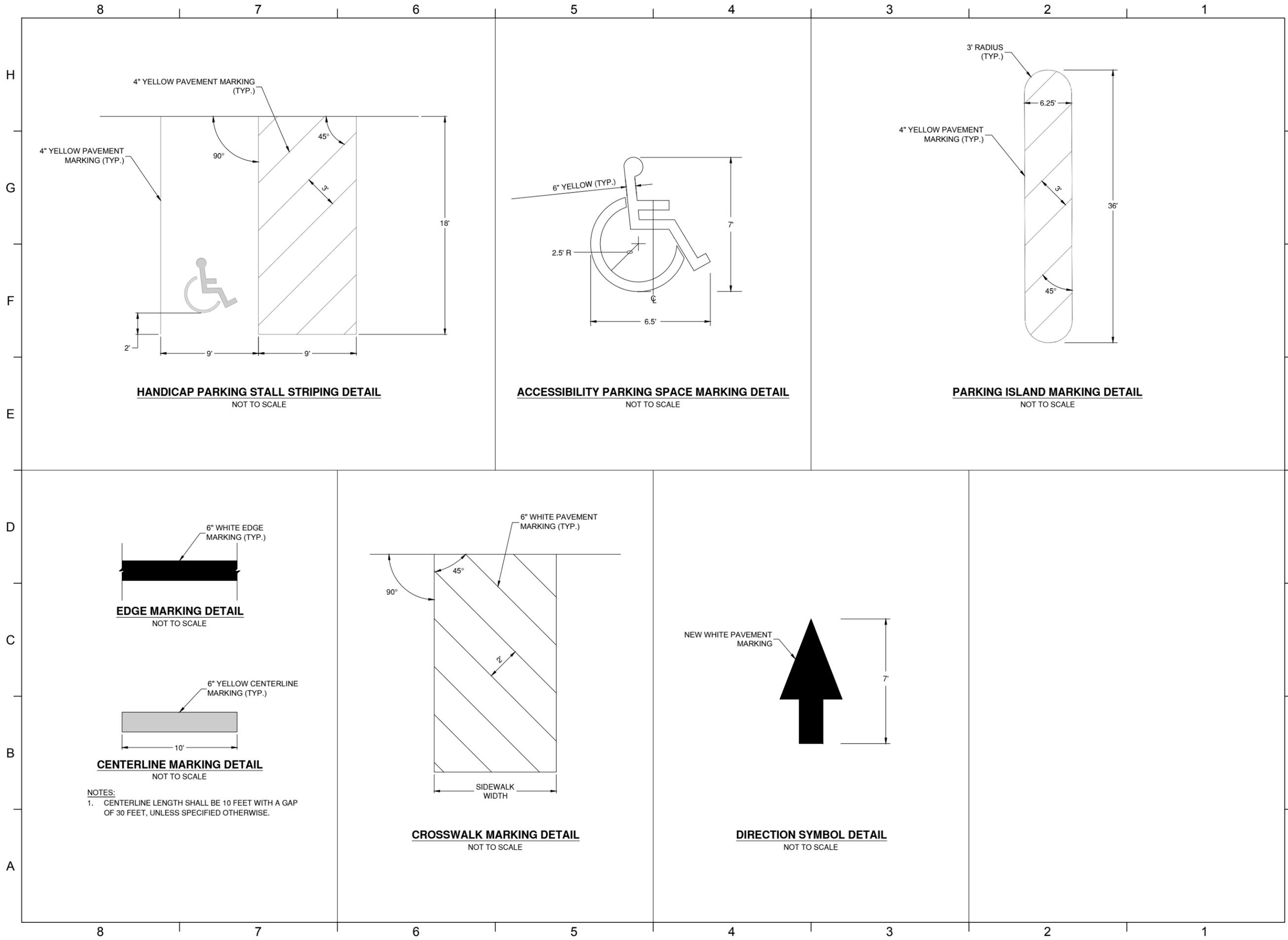
SHEET TITLE:
PAVEMENT MARKING DETAILS

DESIGNED: CMT-MLI DRAWN: CMT-MLI CHECKED: CMT-MLI

PROJECT NO.: 21001628.00
DATE: JULY 28, 2023

SHEET NO. **13** REVISION

SHEET 13 OF 15 SHEETS



8 7 6 5 4 3 2 1

H
G
F
E
D
C
B
A

8 7 6 5 4 3 2 1

APPROVED AS WORKING PLAN
BY:

REV	DATE	DESCRIPTION

PROJECT NAME:
REHABILITATE AIRPORT ENTRANCE ROAD AND PARKING LOT

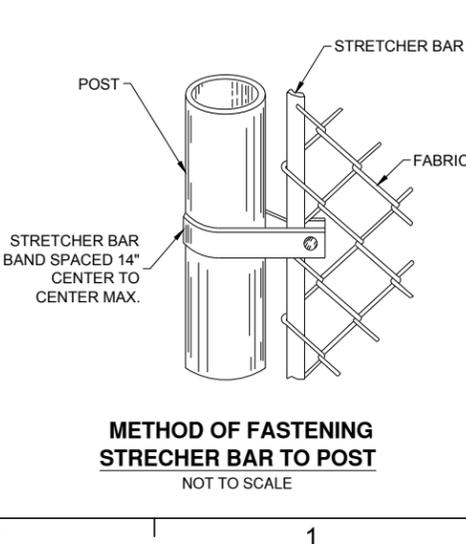
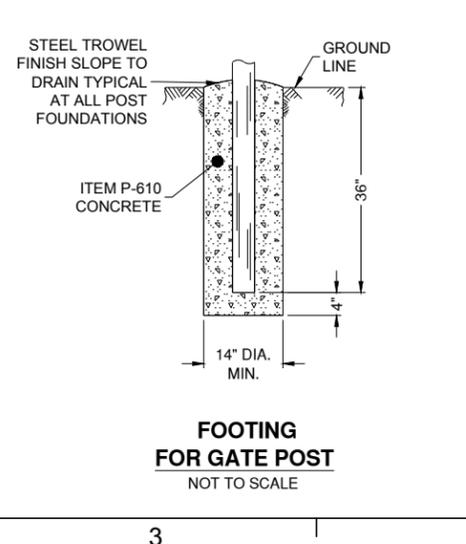
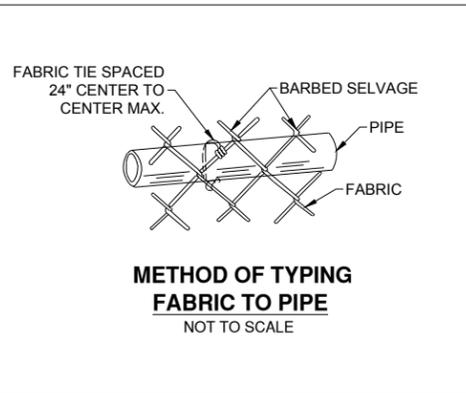
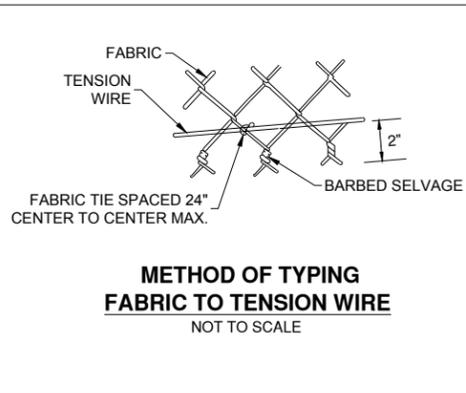
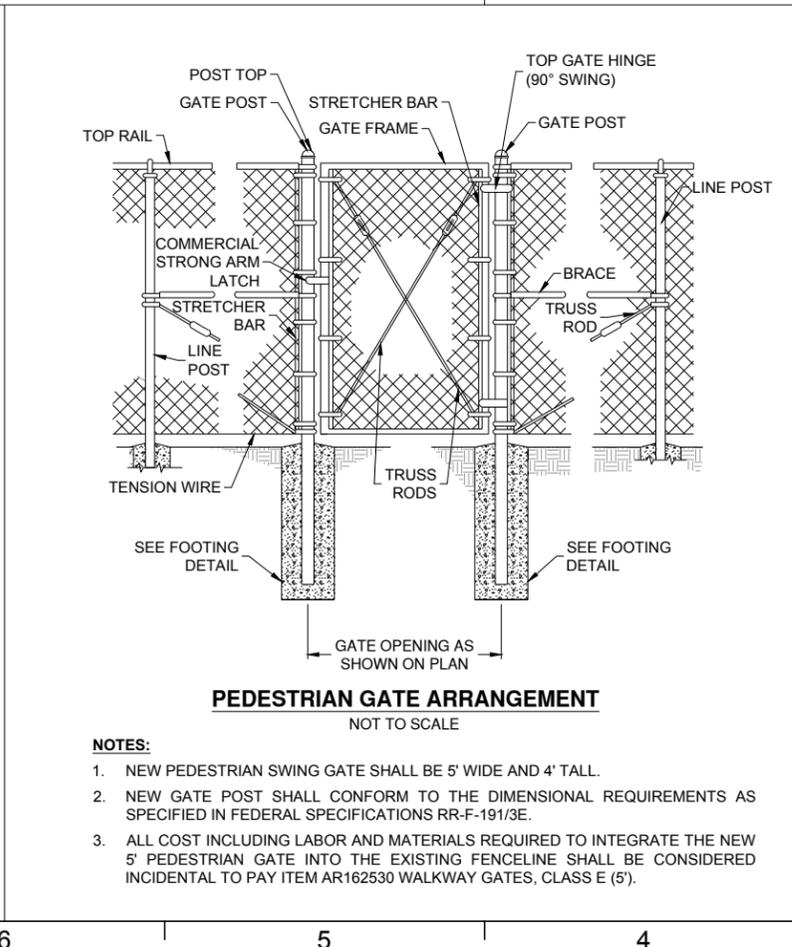
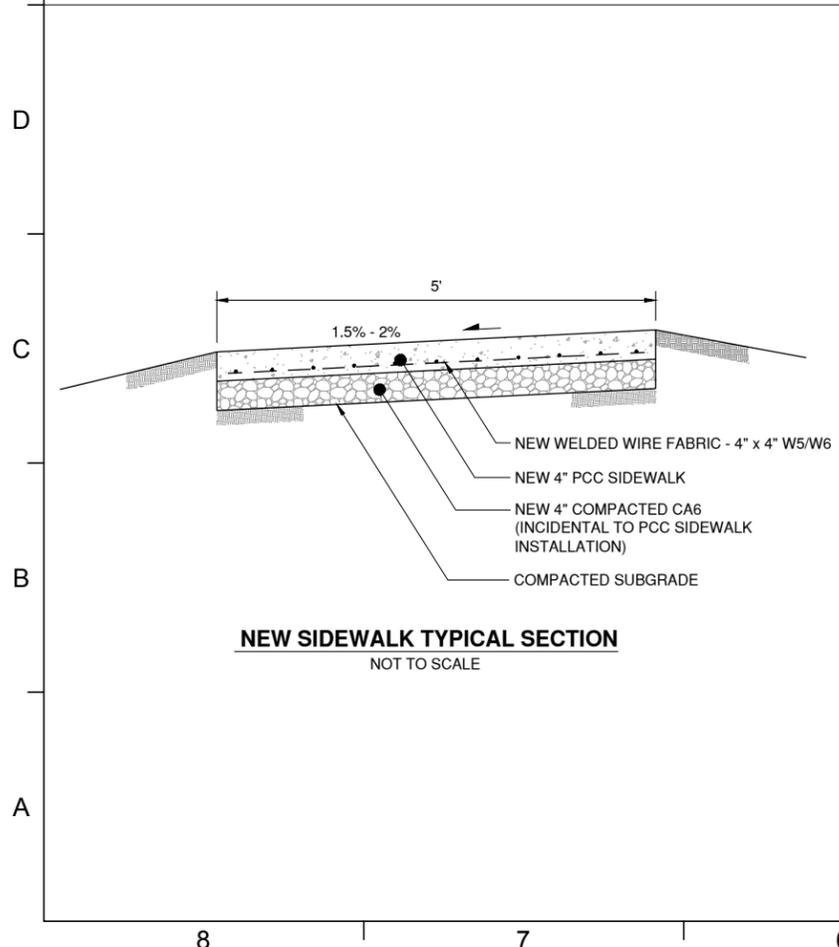
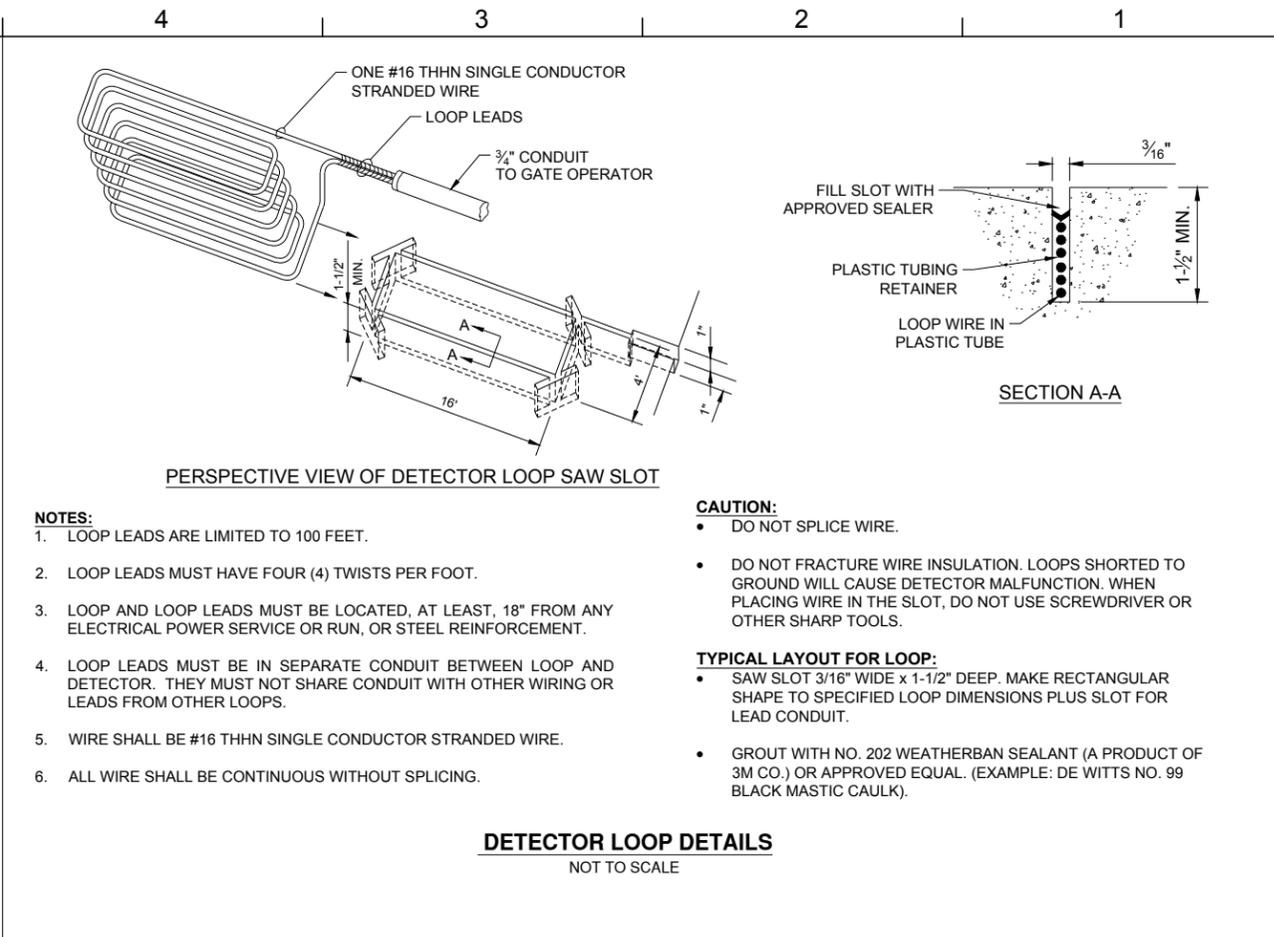
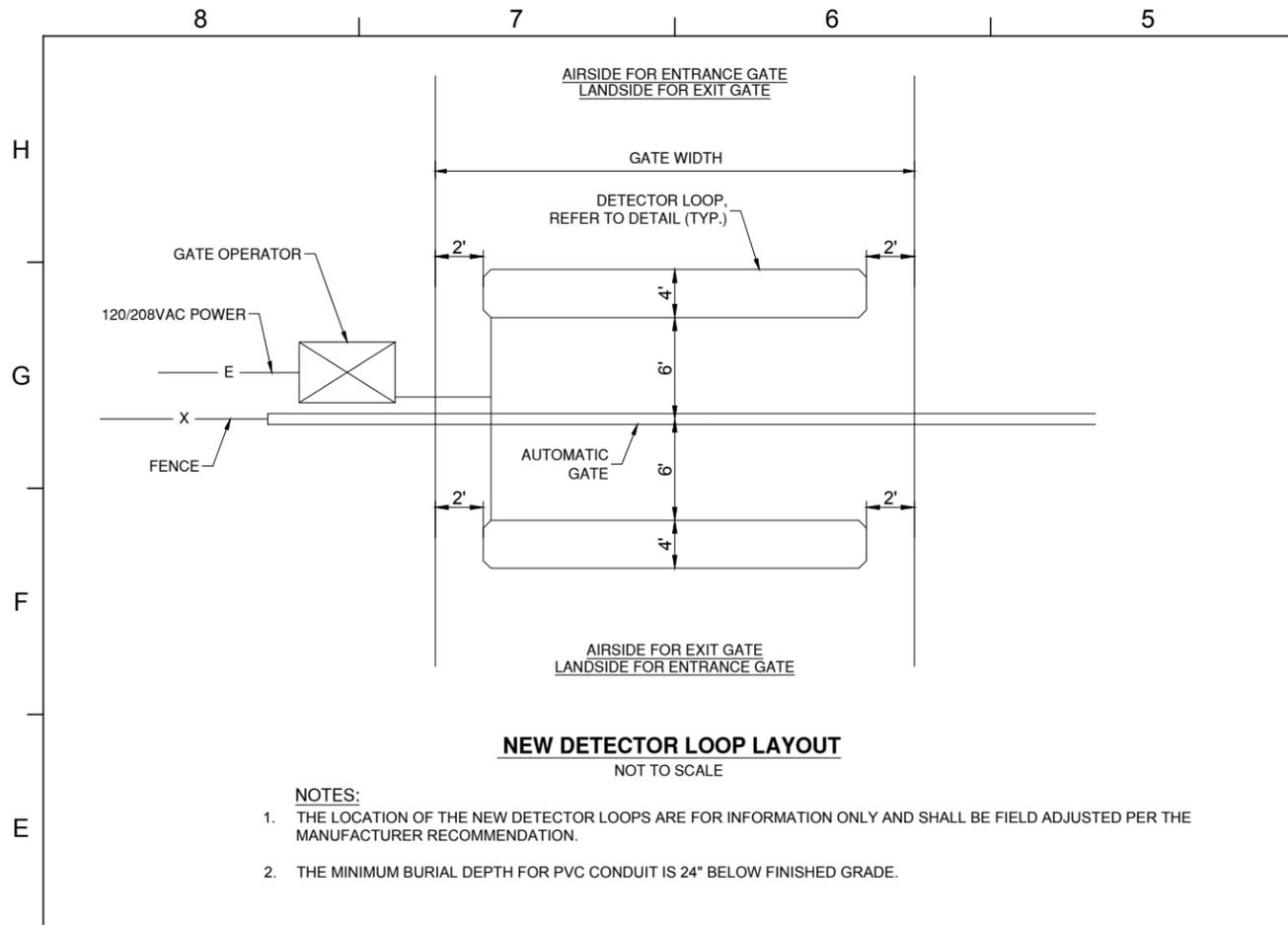
SHEET TITLE:
MISCELLANEOUS DETAILS

DESIGNED: CMT-MLI DRAWN: CMT-MLI CHECKED: CMT-MLI

PROJECT NO.: 21001628.00
DATE: JULY 28, 2023

SHEET NO. **14** REVISION

SHEET 14 OF 15 SHEETS



APPROVED AS WORKING PLAN
BY:

REV	DATE	DESCRIPTION

PROJECT NAME:

**REHABILITATE AIRPORT
ENTRANCE ROAD AND
PARKING LOT**

SHEET TITLE:

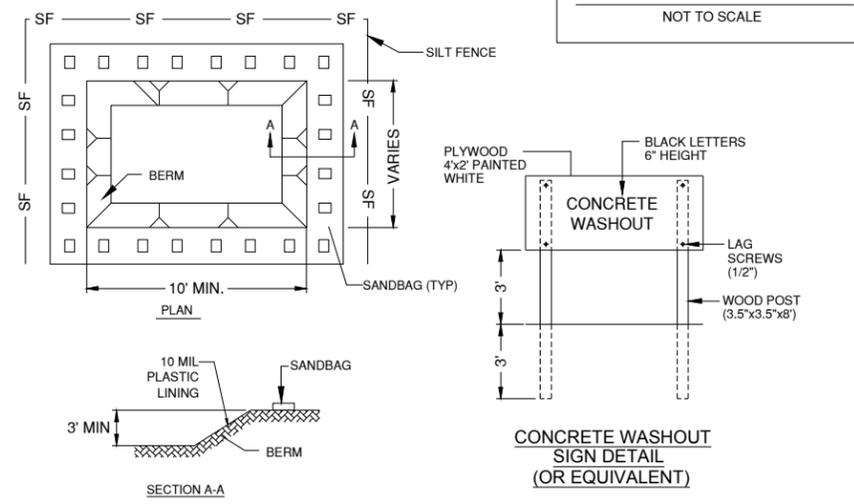
SWPPP DETAILS

DESIGNED:	DRAWN:	CHECKED:
CMT-MLI	CMT-MLI	CMT-MLI

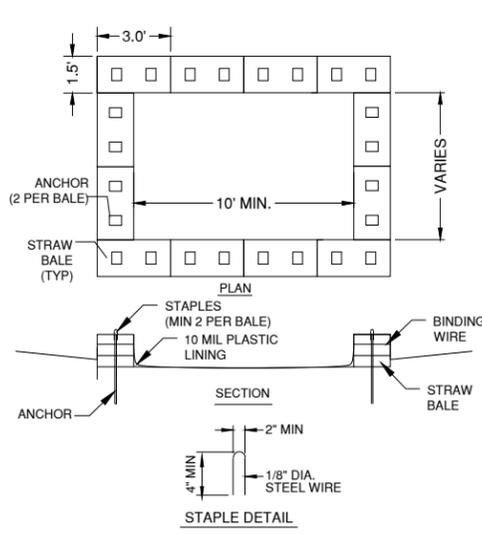
PROJECT NO.: 21001628.00
DATE: JULY 28, 2023

SHEET NO.	15	REVISION
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**CONCRETE WASHOUT
(INCIDENTAL TO CONTRACT)**
NOT TO SCALE



BELOW GROUND TEMPORARY WASHOUT

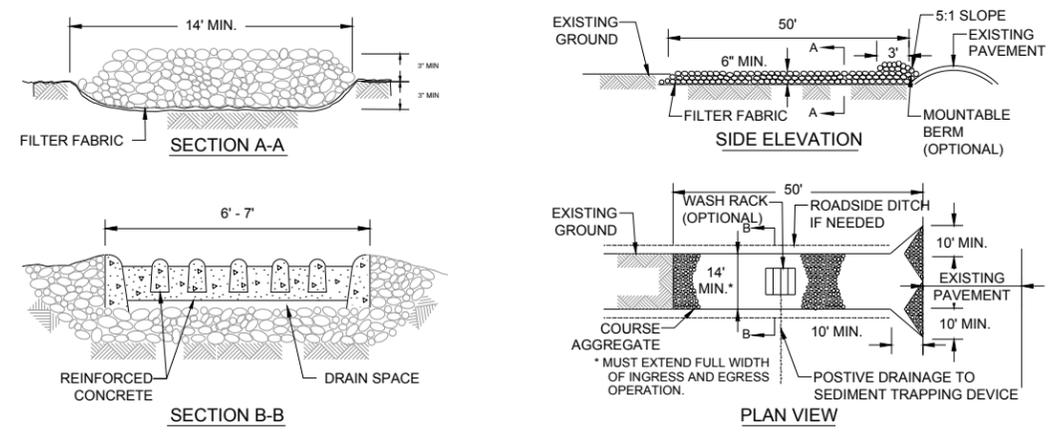


ABOVE GROUND TEMPORARY WASHOUT

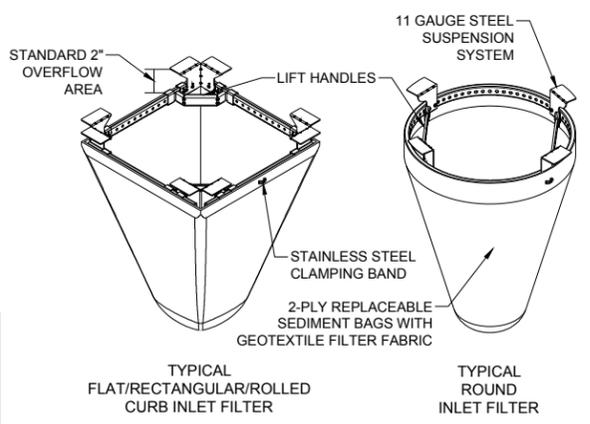
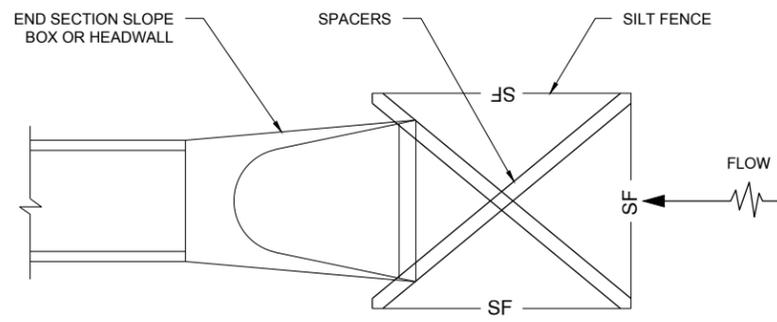
- NOTES**
- CONTRACTOR SHALL DETERMINE LOCATION AND SIZE OF WASHOUT.
 - WASHOUT SIZE AND LOCATION SHALL BE APPROVED BY THE ENGINEER.
 - A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 20 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY. AT A MINIMUM, THE SIGN SHALL READ "CONCRETE WASHOUT" IN 6" TALL LETTERS.
 - INSPECTION SHALL OCCUR ONCE PER WEEK AND DAILY DURING CONCRETE OPERATIONS. REPAIR/REPLACEMENT OF THE FACILITY SHALL BE MADE SUCH THAT CONCRETE WASTE IS CONTAINED.

- MEDIA SHALL BE REMOVED AND DISPOSED OF AT A LEGAL OFF-SITE LOCATION WHEN THE FACILITY HAS REACHED 50% CAPACITY.
- UPON COMPLETION OF CONCRETE OPERATIONS, THE CONCRETE WASHOUT AND ALL MATERIALS CONTAINED WITHIN SHALL BE DISPOSED OF AT A LEGAL OFF-SITE LOCATION.
- BELOW GROUND ONLY: SANDBAGS SHALL BE INSTALLED TO ANCHOR THE LINING. THE NUMBER OF SANDBAGS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL ADD SANDBAGS SO AS TO MAINTAIN ANCHORING OF THE LINING.
- BELOW GROUND ONLY: THE TEMPORARY WASHOUT FACILITY SHALL BE SURROUNDED BY SILT FENCE ON ALL SIDES.

STABILIZED CONSTRUCTION ENTRANCE
FROM NRCS STANDARD DRAWING NO. IL-630



- FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFIED UNDER SECTION 1080.03, OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022.
- ROCK OR RECLAIMED CONCRETE SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATION, CA-1, CA-2, CA-3 OR CA-4. COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.
- MINIMUM WIDTH IS 14' FOR ONE-WAY TRAFFIC AND 20' FOR TWO WAY TRAFFIC. TWO-WAY TRAFFIC WIDTHS SHALL BE INCREASED A MINIMUM OF 4' FOR TRAILER TRAFFIC. DEPENDING ON THE TYPE OF VEHICLE OR EQUIPMENT, SPEED, LOADS, CLIMATIC AND OTHER CONDITIONS UNDER WHICH VEHICLES AND EQUIPMENT OPERATE AN INCREASE IN THE MINIMUM WIDTHS MAY BE REQUIRED.
- ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS AND SHALL BE INCIDENTAL TO THE CONTRACT.
- ROADWAY SHALL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE.
- IF WASH RACK ARE USED THEY SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
- THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE INCIDENTAL TO THE CONTRACT.



INLET PROTECTION / SEDIMENT TRAP
NOT TO SCALE

- NOTE:**
- ONLY THOSE INLET PROTECTIONS SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE PAID UNDER P-156-5.1, INLET PROTECTION. INLET PROTECTIONS REQUIRED DUE TO CONTRACTOR REQUIREMENTS AT THE STAGING AREA SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

IPP FLeXstorm Inlet Filter Specifications

Material Property	Test Method	Value (min ave)	
> Inner Filter Bag Specs (2 ft ³ min vol)			
		Non-Woven	Woven Mono
Grab Tensile	ASTM D 4632	100 lbs	200 lbs
Puncture Strength	ASTM D 4833	65 lbs	90 lbs
Trapezoidal Tear	ASTM D 4533	45 lbs	75 lbs
UV Resistance	ASTM D 4355	70% at 500 hrs	90%
App Open Size (AOS)	ASTM D 4751	70 sieve (.212 mm)	40 sieve (.425 mm)
Permittivity	ASTM D 4491	2.0 /sec	2.1 /sec
Water Flow Rate	ASTM D 4491	145 gpm/sqft	145 gpm/sqft
> Polyester Outer Reinforcement Bag Specifications			
Weight	ASTM D 3776	4.55 oz/sqyd +/- 15%	
Thickness	ASTM D 1777	.040 +/- .005	
> Frame Construction			
A36 Structural Steel; 11 Gauge; Zinc Plated	ASTM A 576	Tensile Strength > 58,000 psi; Yield Strength > 36,000 psi	

- INSTALLATION:**
- REMOVE GRATE
 - DROP INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
 - REPLACE GRATE

