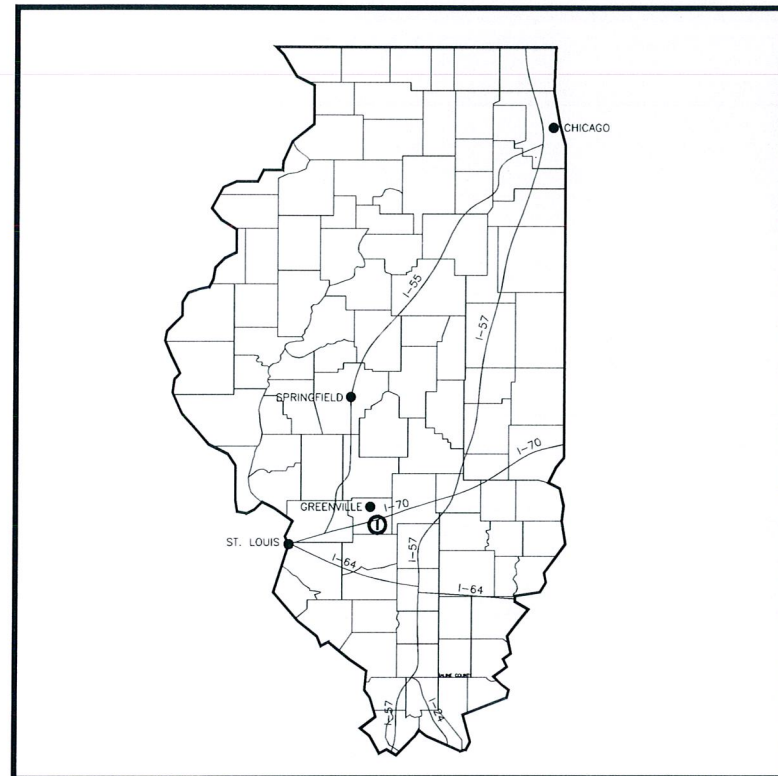


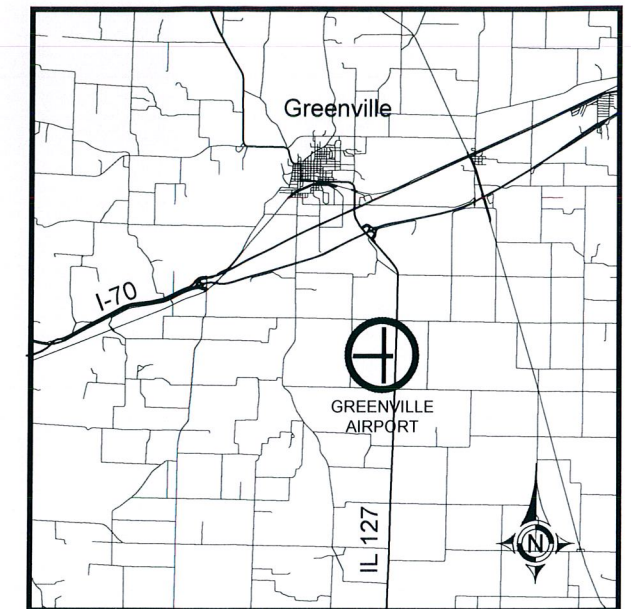
LETTING ITEM NO. 06A
AUGUST 3, 2018 LETTING

CONSTRUCTION PLANS FOR GREENVILLE AIRPORT REHABILITATE RUNWAY 18-36

GR009
TOTAL SHEETS: 20



LOCATION MAP

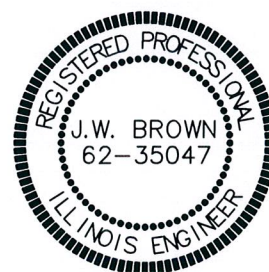


VICINITY MAP

FINAL SUBMITTAL JUNE 5, 2018

ILLINOIS PROJECT NUMBER: GRE-4669
SBG PROJECT NUMBER: 3-17-SBGP-TBD

GREENVILLE, ILLINOIS
BOND COUNTY



- DESIGN INFORMATION**
- CRITICAL AIRCRAFT = CESSNA CITATION III
 - AIRCRAFT APPROACH CATEGORY (AAC) = B
 - AIRPLANE DESIGN GROUP (ADG) = II
 - TAXIWAY DESIGN GROUP (TDG) = 2
 - DEPARTURE WEIGHT = 22,000 LBS.

BROWN AND ROBERTS, INC.
CONSULTING ENGINEER
PRESIDENT

SUBMITTED BY: *Jim W. Brown*
JIM W. BROWN
DATE SUBMITTED: *6/5/2018*
LICENSE NUMBER: 184-002518
LICENSE EXPIRATION DATE: APRIL 30, 2019

PLANS PREPARED BY:



BROWN AND ROBERTS, INC.
1 WESTRIDGE ROAD
HARRISBURG, IL. 62946
(618) 252-8111

GREENVILLE AIRPORT AUTHORITY
CHAIRMAN

APPROVED BY: *Bruce Vothkamp* 6/5/2018
DATE

SECRETARY

ATTESTED BY: *Randolph Vasel* 6/5/2018
DATE

SUMMARY OF QUANTITIES			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
AR150520	MOBILIZATION	L. S.	1
AR150540	HAUL ROUTE	L. S.	1
AR152480	SHOULDER ADJUSTMENT	S.Y.	3785
AR152511	SUBGRADE REPAIR	S.Y.	300
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	2000
AR401614	BIT. SURF. CSE. - METHOD II, SUPERPAVE	TON	4330
AR401620	BIT. SURFACE COURSE, LEVELING	TON	450
AR401630	BITUMINOUS SURFACE TEST SECTION	EACH	1
AR401650	BITUMINOUS PAVEMENT MILLING	S.Y.	36765
AR603510	BITUMINOUS TACK COAT	GAL.	7360
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	16851
AR705970	REPAIR UNDERDRAIN	L.F.	20
AR901510	SEEDING	ACRE	0.8
AR908510	MULCHING	ACRE	0.8

INDEX OF SHEETS	
SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES & INDEX OF SHEETS
3	CONSTRUCTION SAFETY & PHASING PLAN
4	TYPICAL SECTIONS
5	RUNWAY PLAN & PROFILE 1
6	RUNWAY PLAN & PROFILE 2
7	RUNWAY PLAN & PROFILE 3
8	DETAILED ELEVATIONS 1
9	DETAILED ELEVATIONS 2
10	MARKING PLAN & DETAILS 1
11	MARKING PLAN & DETAILS 2
12	RUNWAY CROSS SECTIONS 1
13	RUNWAY CROSS SECTIONS 2
14	RUNWAY CROSS SECTIONS 3
15	RUNWAY CROSS SECTIONS 4
16	RUNWAY CROSS SECTIONS 5
17	RUNWAY CROSS SECTIONS 6
18	RUNWAY CROSS SECTIONS 7
19	RUNWAY CROSS SECTIONS 8
20	RUNWAY CROSS SECTIONS 9

SCOPE OF WORK

THE PROJECT SCOPE CONSISTS OF THE REHABILITATION OF RUNWAY 18-36 ALONG WITH OTHER NECESSARY AND RELATED WORK.

PROPOSED SAFETY PLAN

GENERAL- THE GREENVILLE AIRPORT CURRENTLY HAS A TURF RUNWAY 9-27 WHICH IS 2822 FT. x 250 FT. AND A PAVED RUNWAY 18-36 WHICH IS 4001 FT. x 75 FT.

IT IS ANTICIPATED THAT RUNWAY 9-27 WILL REMAIN OPEN FOR THE DURATION OF THE PROJECT WITH A TEMPORARY THRESHOLD ON THE EAST END AND A TEMPORARILY RELOCATED TAXIWAY. ANY WORK WITHIN 200' OF THE CENTERLINE OF A RUNWAY WILL REQUIRE CLOSURE OF THAT RUNWAY.

THE CONTRACTOR SHALL SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) CONFIRMING COMPLIANCE WITH THE CONSTRUCTION SAFETY PHASING PLAN (CSPP) PRIOR TO THE ISSUANCE OF THE NOTICE TO PROCEED AS SPECIFIED IN FAA AC 150/5370-2.

CONTRACTOR'S RESPONSIBILITIES

IDENTIFICATION- THE CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL BE PROPERLY MARKED WITH 3-FOOT SQUARE INTERNATIONAL ORANGE AND WHITE CHECKERED FLAGS ANYTIME THEY ARE ON AIRPORT PROPERTY.

THE CONTRACTOR AND HIS EMPLOYEES SHALL BE RESTRICTED TO THE WORK AREA.

EQUIPMENT PARKING AND STORAGE- THE CONTRACTOR'S EQUIPMENT PARKING, STORAGE, AND EMPLOYEE PARKING WILL BE AT THE LOCATION SHOWN ON THIS SHEET. ONLY CONTRACTOR VEHICLES AND EQUIPMENT REQUIRED FOR CONSTRUCTION WILL BE ALLOWED OUTSIDE THIS AREA.

BARRICADES AND TRAFFIC CONES- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS REQUIRED AND AS DIRECTED BY THE RESIDENT ENGINEER. BARRICADES, THEIR MAINTENANCE, PLACEMENT, AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING PAVEMENTS CAUSED BY HIS PERSONNEL OR EQUIPMENT.

ACCESS/HAUL ROUTE AND EQUIPMENT PARKING

THE CONTRACTOR WILL USE THE DESIGNATED ACCESS/HAUL ROUTE AND EQUIPMENT PARKING AREA SHOWN ON THIS SAFETY PLAN. THE PROPOSED EQUIPMENT PARKING AREA WILL BE APPROXIMATELY 70-FT BY 150-FT. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED ACCESS/HAUL ROUTE AND PARKING AREA THROUGHOUT THE COURSE OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, ALL AREAS DISTURBED WILL BE RESTORED AS NEEDED TO ITS ORIGINAL STATE. RESTORATION OF THE ACCESS/HAUL ROUTE AND EQUIPMENT PARKING AREA WILL BE CONSIDERED INCLUDED WITH THE AR150540 HAUL ROUTE PAY ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

UTILITY NOTE

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AND ORGANIZATIONS THAT HAVE LINES OR CONDUITS IN THE PROPOSED WORK AREA. ALL LINES AND CONDUITS SHALL BE LOCATED AND IDENTIFIED FOR DEPTH BEFORE ANY EXCAVATION BEGINS. THE CONTRACTOR SHALL CALL JULIE (1-800-892-0123) TO ACCOMPLISH THESE REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL NON-JULIE UTILITIES LOCATED WITHIN THE PROPOSED CONSTRUCTION LIMITS. THESE UTILITIES ARE TO BE LOCATED PRIOR TO THE START OF CONSTRUCTION.

J.U.L.I.E. INFORMATION

COUNTY.....BOND
 CITY.....GREENVILLE (4 MI SOUTHEAST)
 TOWNSHIP.....CENTRAL
 SECTION NO.....36
 NEAREST MAJOR ROAD INTERSECTION...ILLINOIS RT. 127 & SKY LANE
 AIRPORT ADDRESS...GREENVILLE AIRPORT
 1374 SKY LANE
 GREENVILLE, IL 62246

HEIGHT OF CONSTRUCTION EQUIPMENT

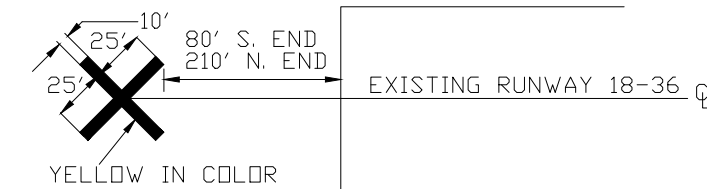
THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT IS 20 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A SEMI-TRUCK WITH TRAILER IN THE UP POSITION.

AIRPORT SECURITY

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE PROPOSED HAUL ROUTE SHOWN ON THIS SAFETY PLAN IS THE ONLY ACCESS CONTRACTOR EQUIPMENT AND PERSONNEL WILL BE ALLOWED TO USE. THE CONTRACTOR SHALL PROVIDE BARRICADES AT THIS ACCESS AND ENSURE THE BARRICADES ARE IN PLACE AT THE END OF EACH WORKING DAY.

AIRCRAFT OPERATIONAL AREA

THE CONTRACTOR, HIS EMPLOYEES, OR ANY EQUIPMENT WILL NOT PROCEED WITH ANY WORK WITHIN THE AIRCRAFT OPERATIONAL AREA WITHOUT FIRST CLOSING THE RUNWAY.



DETAIL OF CROSS FOR CLOSED RUNWAY
 "NOT TO SCALE"

NOTE:

THE COST OF CONSTRUCTING, PLACING, MAINTAINING, AND REMOVING CROSSES WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CROSSES WILL BE YELLOW IN COLOR AND SHALL BE MADE OF A SUITABLE MATERIAL AS APPROVED BY THE RESIDENT ENGINEER. THE CROSSES WILL BE PLACED AT THE ENDS OF THE RUNWAY AND SECURED IN A MANNER APPROVED BY THE RESIDENT ENGINEER. THE PROPOSED CROSSES WILL BE PLACED WHEN THE RUNWAY IS CLOSED AND REMOVED WHEN THE RUNWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES AT NO ADDITIONAL COST TO THE CONTRACT.

RUNWAY CLOSURE PROCEDURES:

- * CONTACT THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
- * ISSUANCE OF NOTAM BY THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
- * PLACEMENT OF CROSSES (SEE DETAIL THIS SHEET).
- * PLACEMENT OF LIGHTED BARRICADES. ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION OPERATIONS WITHIN 200-FT OF THE AFFECTED RUNWAY CENTERLINE AND WITHIN 600 FT OF THE RUNWAY END BEGIN.
- * RUNWAY LIGHTS SHALL BE DISABLED

RUNWAY RE-OPENING PROCEDURES:

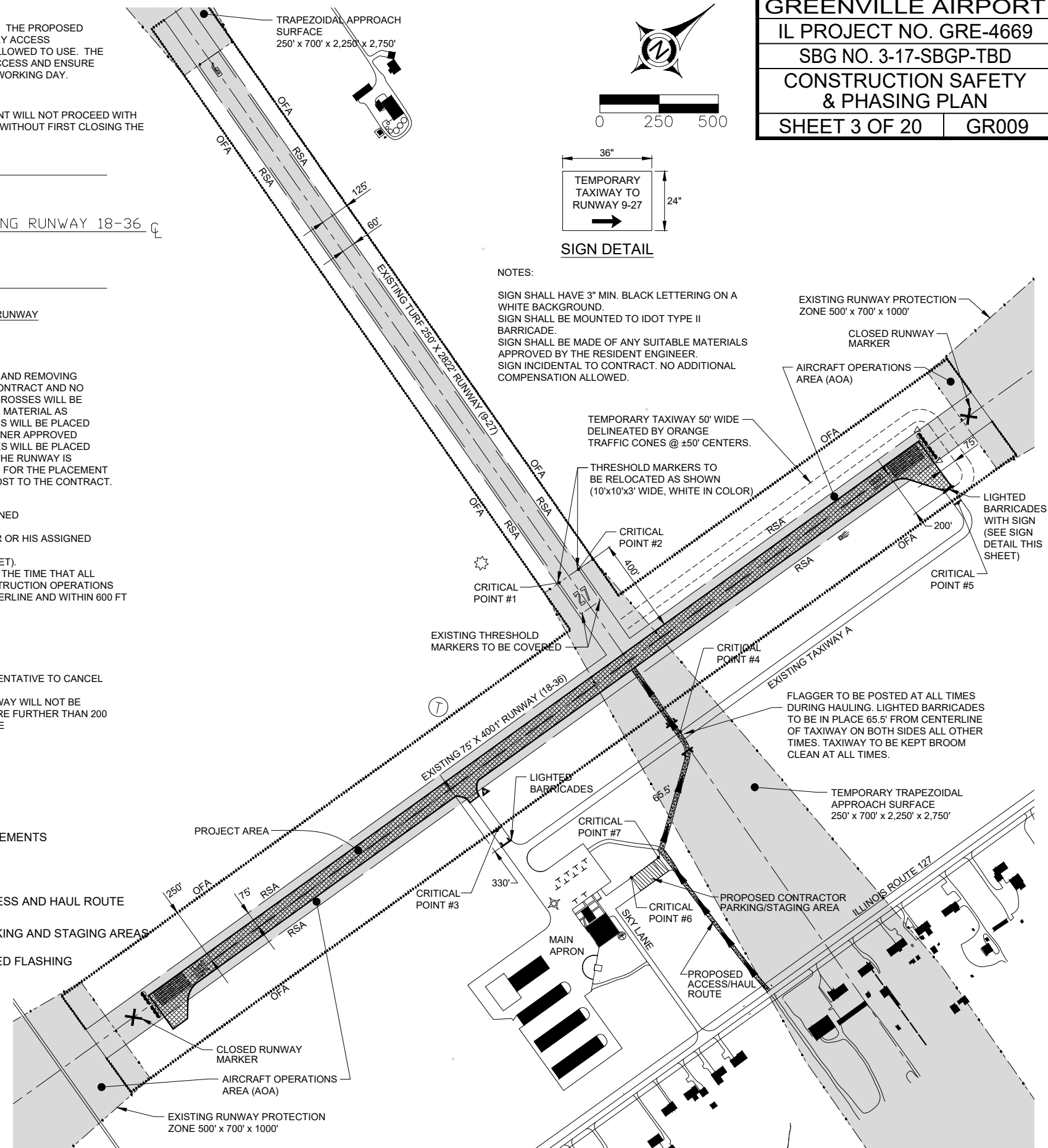
- * REMOVE CROSSES.
- * REMOVE LIGHTED BARRICADES.
- * NOTIFY THE AIRPORT MANAGER OR HIS REPRESENTATIVE TO CANCEL THE NOTAM.
- * CANCELLATION OF THE NOTAM. A CLOSED RUNWAY WILL NOT BE RE-OPENED UNTIL ALL EQUIPMENT AND WORK ARE FURTHER THAN 200 FEET FROM THE AFFECTED RUNWAY CENTERLINE
- * RUNWAY LIGHTS SHALL BE REACTIVATED.

LEGEND

- EXISTING PAVEMENT
- PROPOSED PAVEMENT IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED CONTRACTOR ACCESS AND HAUL ROUTE
- PROPOSED CONTRACTOR PARKING AND STAGING AREAS
- IDOT TYPE II BARRICADE WITH RED FLASHING LIGHTS - 10' MAX SPACING
- AIRCRAFT OPERATIONS AREA (AOA)

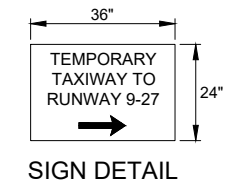
CRITICAL POINTS

NO.	LATITUDE	LONGITUDE	ELEVATION
1	38° 50' 12.61" N	89° 22' 40.72" W	537.0' MSL
2	38° 50' 13.60" N	89° 22' 40.71" W	537.0' MSL
3	38° 50' 04.51" N	89° 22' 31.88" W	535.0' MSL
4	38° 50' 13.12" N	89° 22' 30.49" W	537.0' MSL
5	38° 50' 28.09" N	89° 22' 31.84" W	538.0' MSL
6	38° 50' 07.86" N	89° 22' 25.67" W	537.0' MSL
7	38° 50' 09.34" N	89° 22' 25.68" W	537.0' MSL



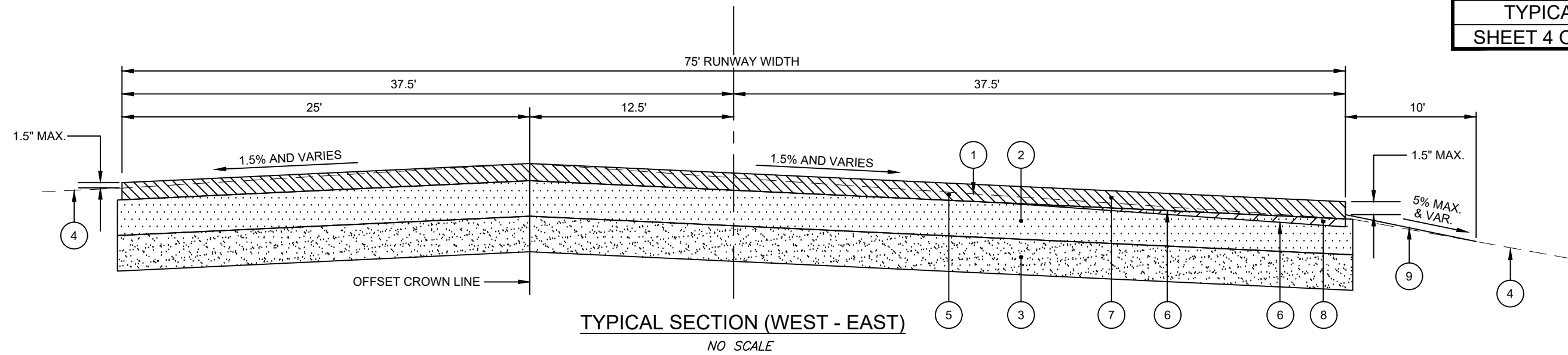
NOTES:

SIGN SHALL HAVE 3" MIN. BLACK LETTERING ON A WHITE BACKGROUND. SIGN SHALL BE MOUNTED TO IDOT TYPE II BARRICADE. SIGN SHALL BE MADE OF ANY SUITABLE MATERIALS APPROVED BY THE RESIDENT ENGINEER. SIGN INCIDENTAL TO CONTRACT. NO ADDITIONAL COMPENSATION ALLOWED.



SIGN DETAIL

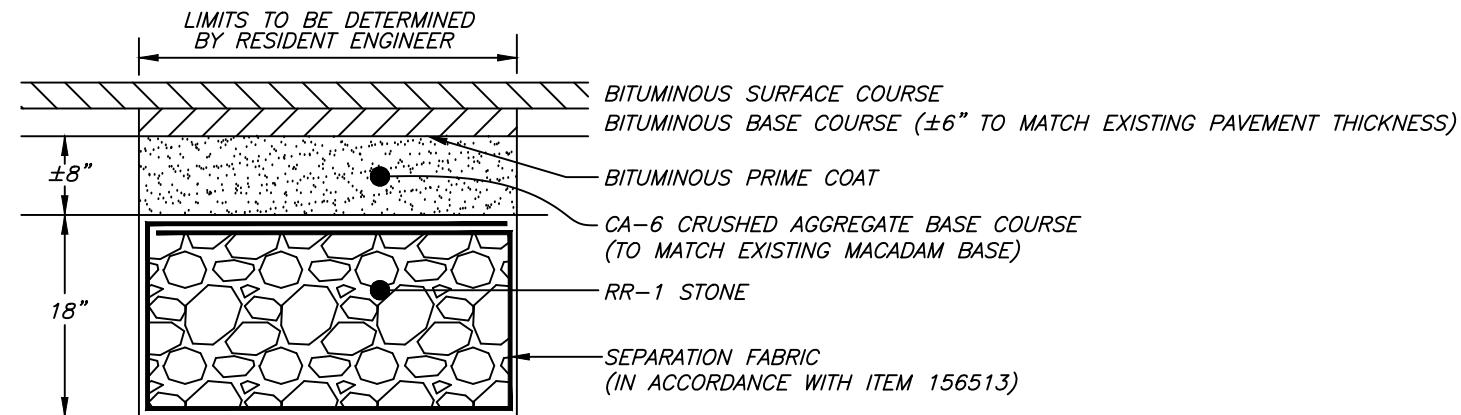
23 May 2018 - 2:51pm X:\2016\16200\acoplans\3 Safety Plan.dwg: Layout Tab 'Runway Safety Plan'



LEGEND

- | | |
|---|--|
| <p>① EXISTING BITUMINOUS SURFACE
*5/8" 402 POROUS FRICTION COURSE</p> <p>② EXISTING BITUMINOUS BASE TO REMAIN
*3" 401 BITUMINOUS SURFACE COURSE
AND 3" 401 BITUMINOUS BASE COURSE</p> <p>③ EXISTING AGGREGATE BASE TO REMAIN
*8" WATERBOUND MACADAM</p> <p>④ EXISTING TURF SHOULDER</p> | <p>⑤ **AR401650 - BITUMINOUS PAVEMENT MILLING (2" NOMINAL DEPTH)</p> <p>⑥ AR603510 - BITUMINOUS TACK COAT</p> <p>⑦ AR401614 - BITUMINOUS SURFACE COURSE - METHOD II, SUPERPAVE (2")</p> <p>⑧ AR401620 - BITUMINOUS SURFACE COURSE, LEVELING (VARIABLE DEPTH)</p> <p>⑨ AR152480 - SHOULDER ADJUSTMENT</p> |
|---|--|

*NOTE 1: EXISTING PAVEMENT TYPES AND THICKNESS OBTAINED FROM GREENVILLE PAVEMENT HISTORY DATA, ILLINOIS DEPARTMENT OF TRANSPORTATION - DIVISION OF AERONAUTICS
**NOTE 2: EXISTING RUNWAY PAVEMENT SURFACE TO BE MILLED A MINIMUM 1" DEPTH IN ALL AREAS OF BITUMINOUS SURFACE OVERLAY.

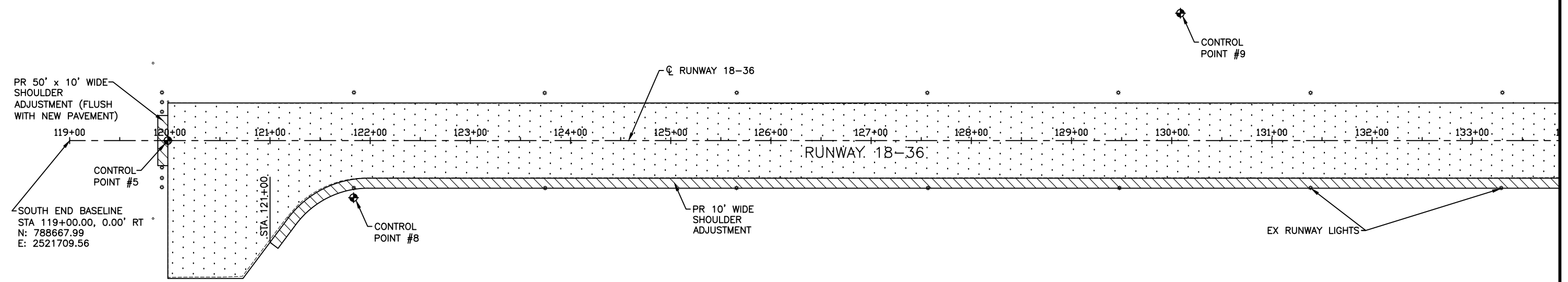


GREENVILLE AIRPORT
IL PROJECT NO. GRE-4669
SBG NO. 3-17-SBGP-TBD
RUNWAY PLAN & PROFILE 1
SHEET 5 OF 20 | **GR009**

CONTROL POINTS				
CONTROL POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
5	788765.98	2521708.26	531.88	MAG NAIL
8	788952.08	2521762.76	530.23	IRON PIN & CAP
9	789774.96	2521567.78	532.09	MAG SPIKE

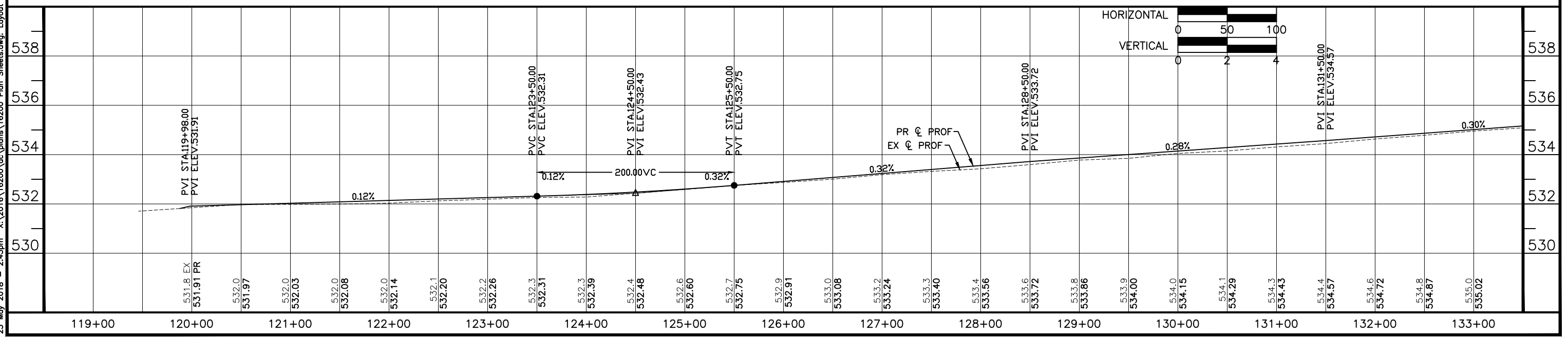


NOTE:
 ALL CONSTRUCTION LAYOUT NECESSARY FOR THE
 CONSTRUCTION OF THE VARIOUS PAY ITEMS WILL BE THE
 RESPONSIBILITY OF THE CONTRACTOR. HORIZONTAL AND
 VERTICAL CONTROL WILL BE FURNISHED BY THE ENGINEER.



LEGEND

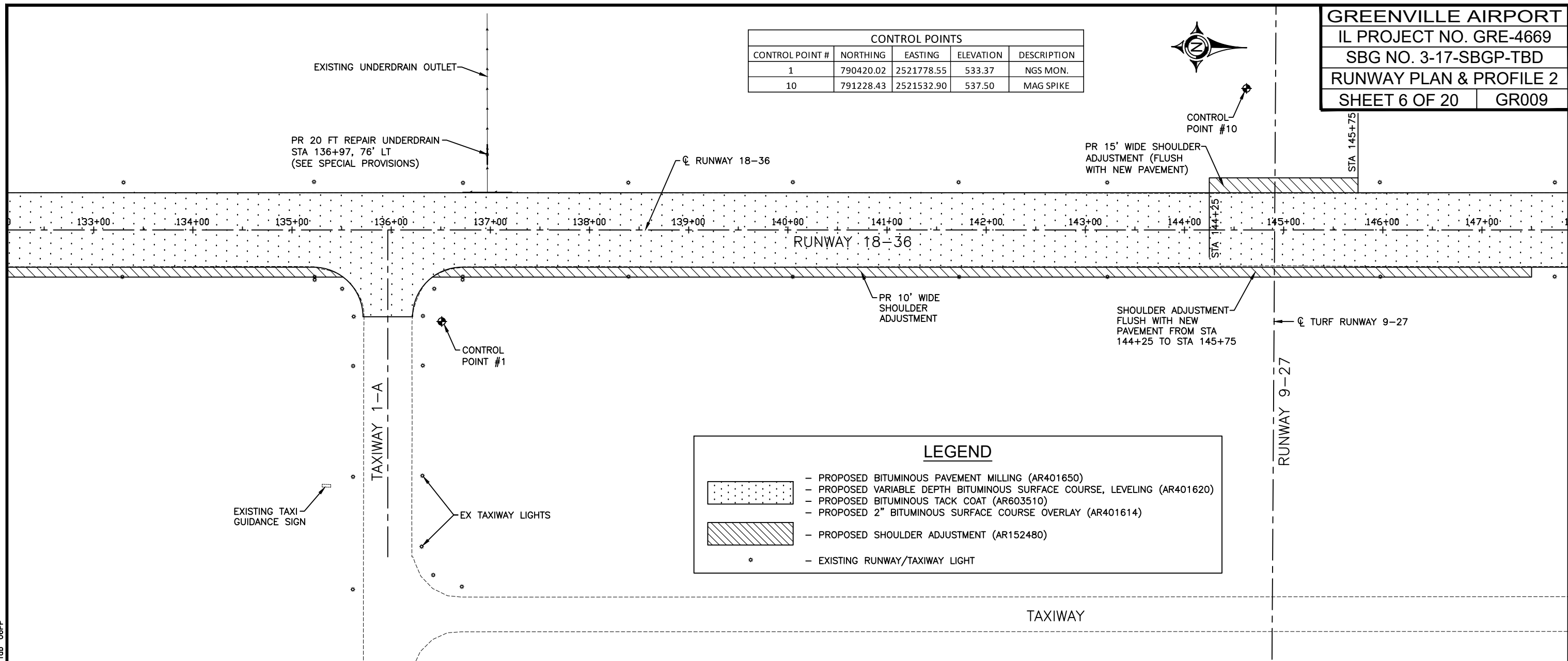
- PROPOSED BITUMINOUS PAVEMENT MILLING (AR401650)
- PROPOSED VARIABLE DEPTH BITUMINOUS SURFACE COURSE, LEVELING (AR401620)
- PROPOSED BITUMINOUS TACK COAT (AR603510)
- PROPOSED 2" BITUMINOUS SURFACE COURSE OVERLAY (AR401614)
- PROPOSED SHOULDER ADJUSTMENT (AR152480)
- EXISTING RUNWAY/TAXIWAY LIGHT



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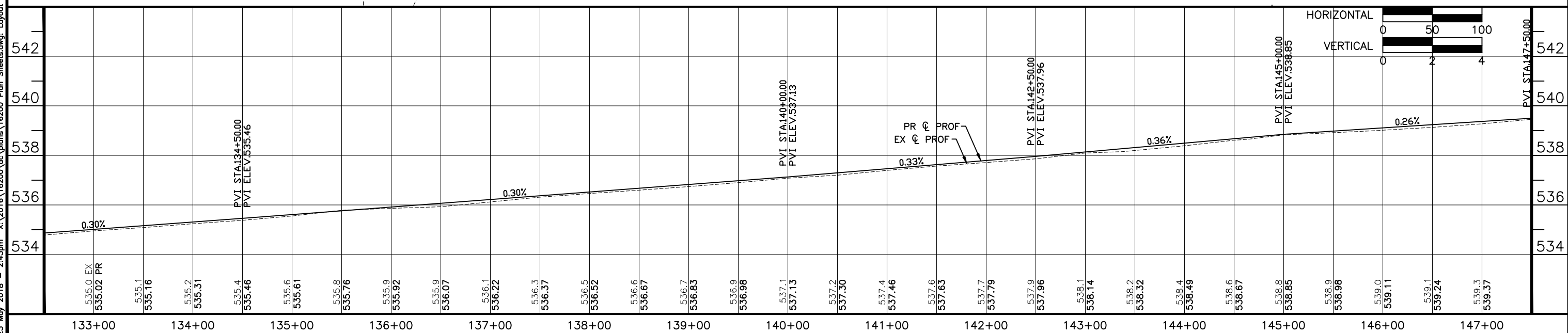
GREENVILLE AIRPORT
IL PROJECT NO. GRE-4669
SBG NO. 3-17-SBGP-TBD
RUNWAY PLAN & PROFILE 2
SHEET 6 OF 20 | **GR009**

CONTROL POINTS				
CONTROL POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	790420.02	2521778.55	533.37	NGS MON.
10	791228.43	2521532.90	537.50	MAG SPIKE



LEGEND

- PROPOSED BITUMINOUS PAVEMENT MILLING (AR401650)
- PROPOSED VARIABLE DEPTH BITUMINOUS SURFACE COURSE, LEVELING (AR401620)
- PROPOSED BITUMINOUS TACK COAT (AR603510)
- PROPOSED 2" BITUMINOUS SURFACE COURSE OVERLAY (AR401614)
- PROPOSED SHOULDER ADJUSTMENT (AR152480)
- EXISTING RUNWAY/TAXIWAY LIGHT

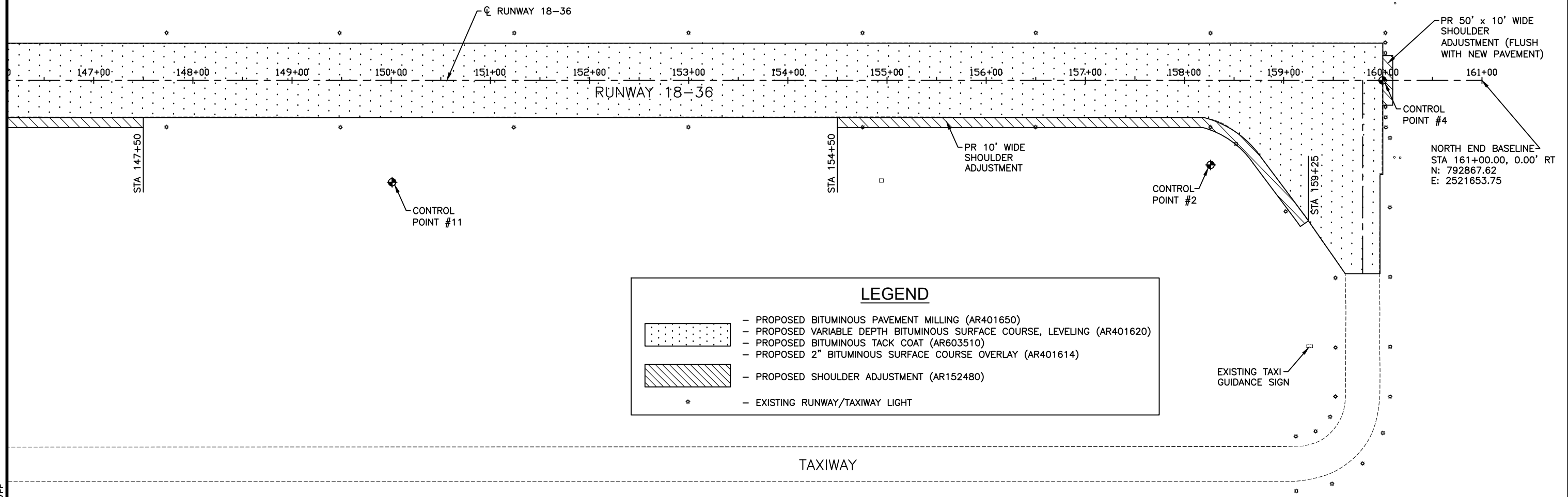


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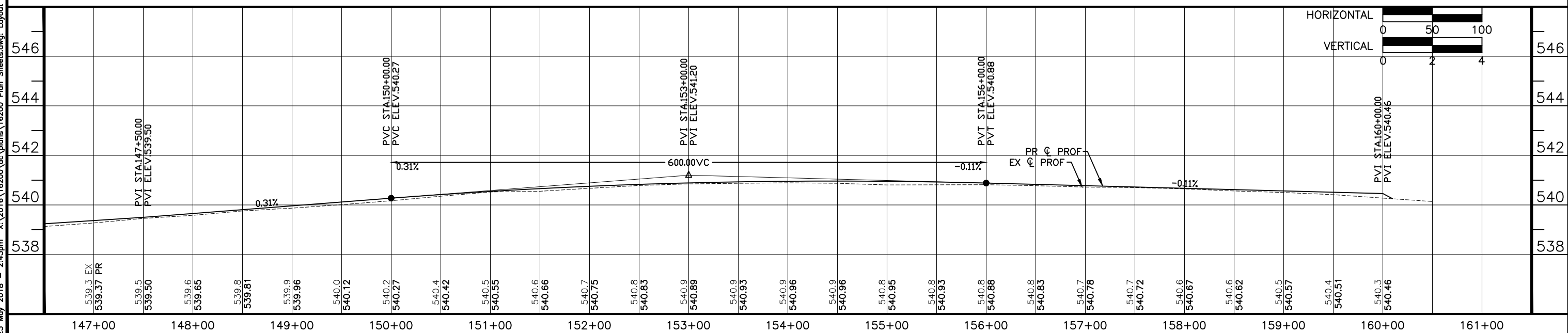
GREENVILLE AIRPORT
IL PROJECT NO. GRE-4669
SBG NO. 3-17-SBGP-TBD
RUNWAY PLAN & PROFILE 3
SHEET 7 OF 20 | **GR009**



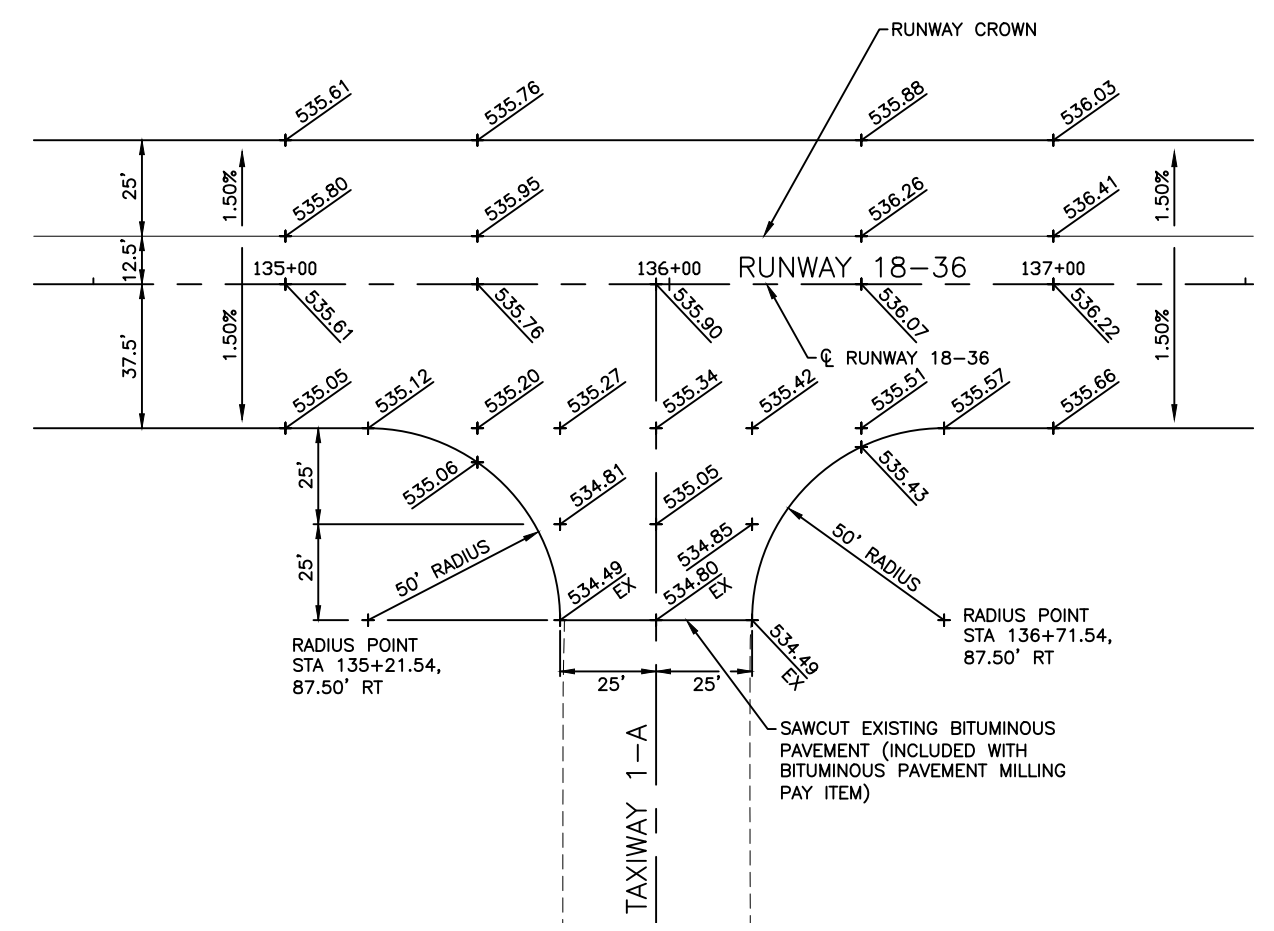
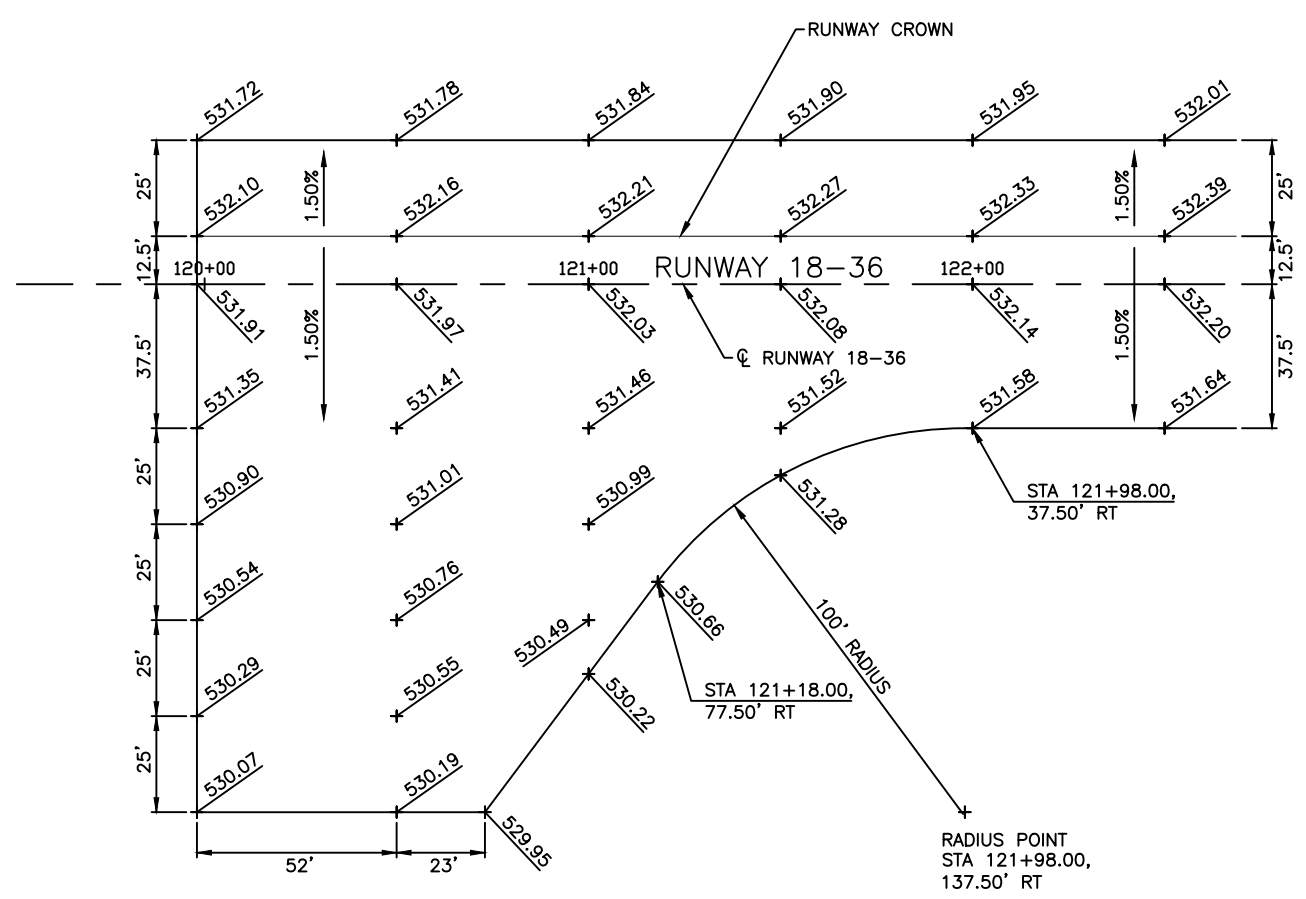
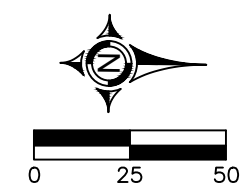
CONTROL POINTS				
CONTROL POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	792595.07	2521742.61	538.13	NGS MON.
4	792767.37	2521655.09	540.24	MAG NAIL
11	791769.99	2521771.02	537.87	MAG SPIKE



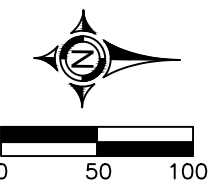
LEGEND	
	- PROPOSED BITUMINOUS PAVEMENT MILLING (AR401650)
	- PROPOSED VARIABLE DEPTH BITUMINOUS SURFACE COURSE, LEVELING (AR401620)
	- PROPOSED BITUMINOUS TACK COAT (AR603510)
	- PROPOSED 2" BITUMINOUS SURFACE COURSE OVERLAY (AR401614)
	- PROPOSED SHOULDER ADJUSTMENT (AR152480)
*	- EXISTING RUNWAY/TAXIWAY LIGHT



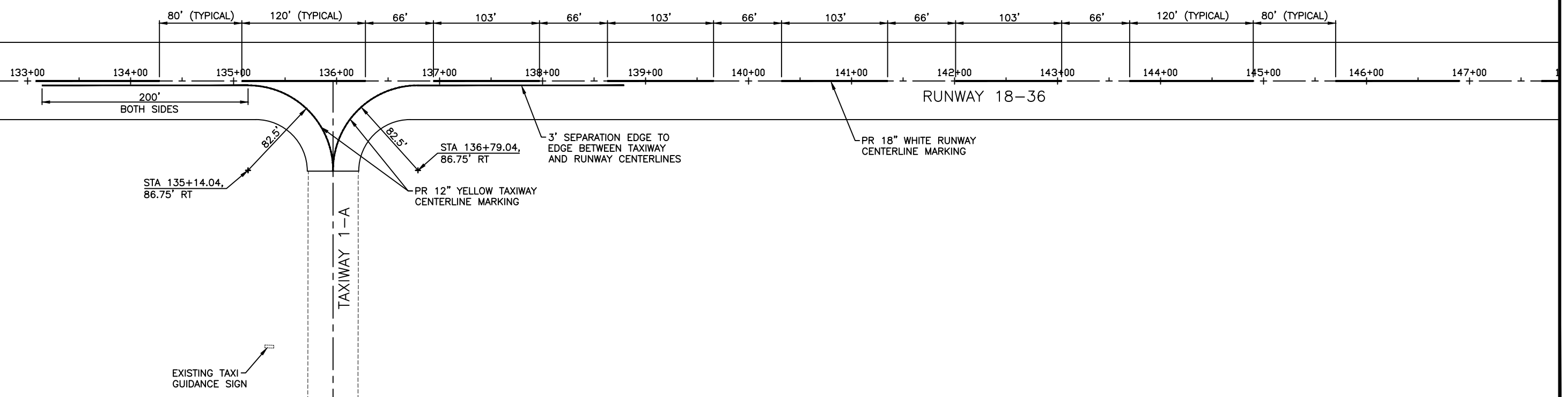
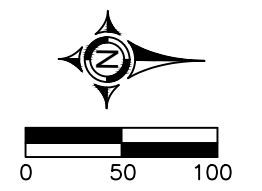
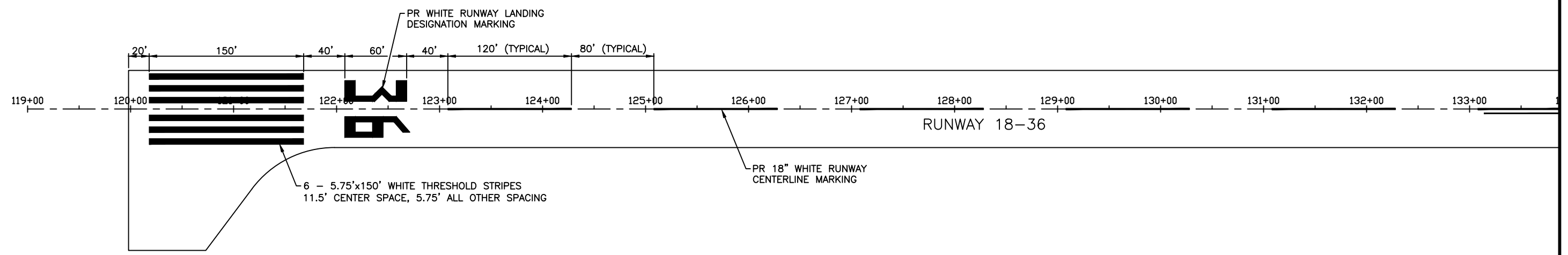
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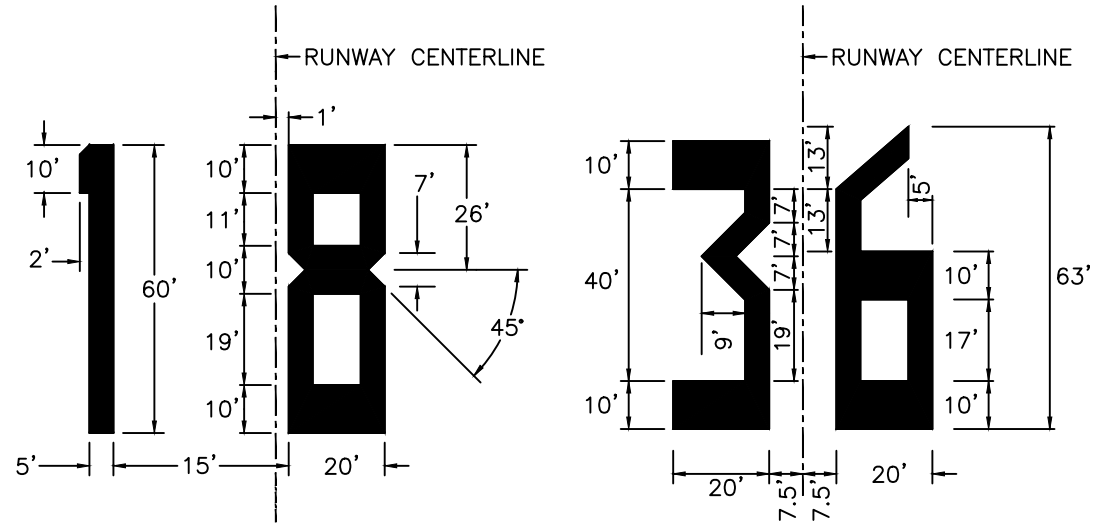
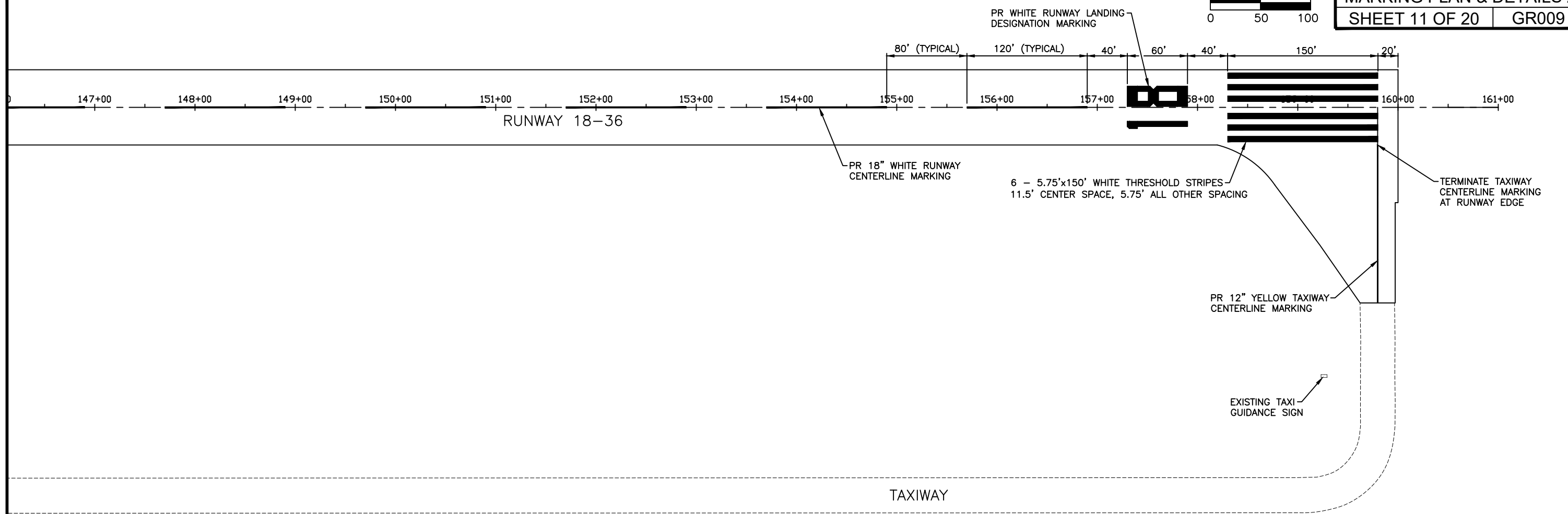
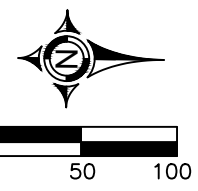
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GREENVILLE AIRPORT
 IL PROJECT NO. GRE-4669
 SBG NO. 3-17-SBGP-TBD
 MARKING PLAN & DETAILS 1
 SHEET 10 OF 20 | GR009



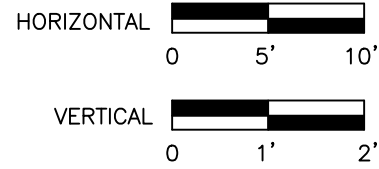
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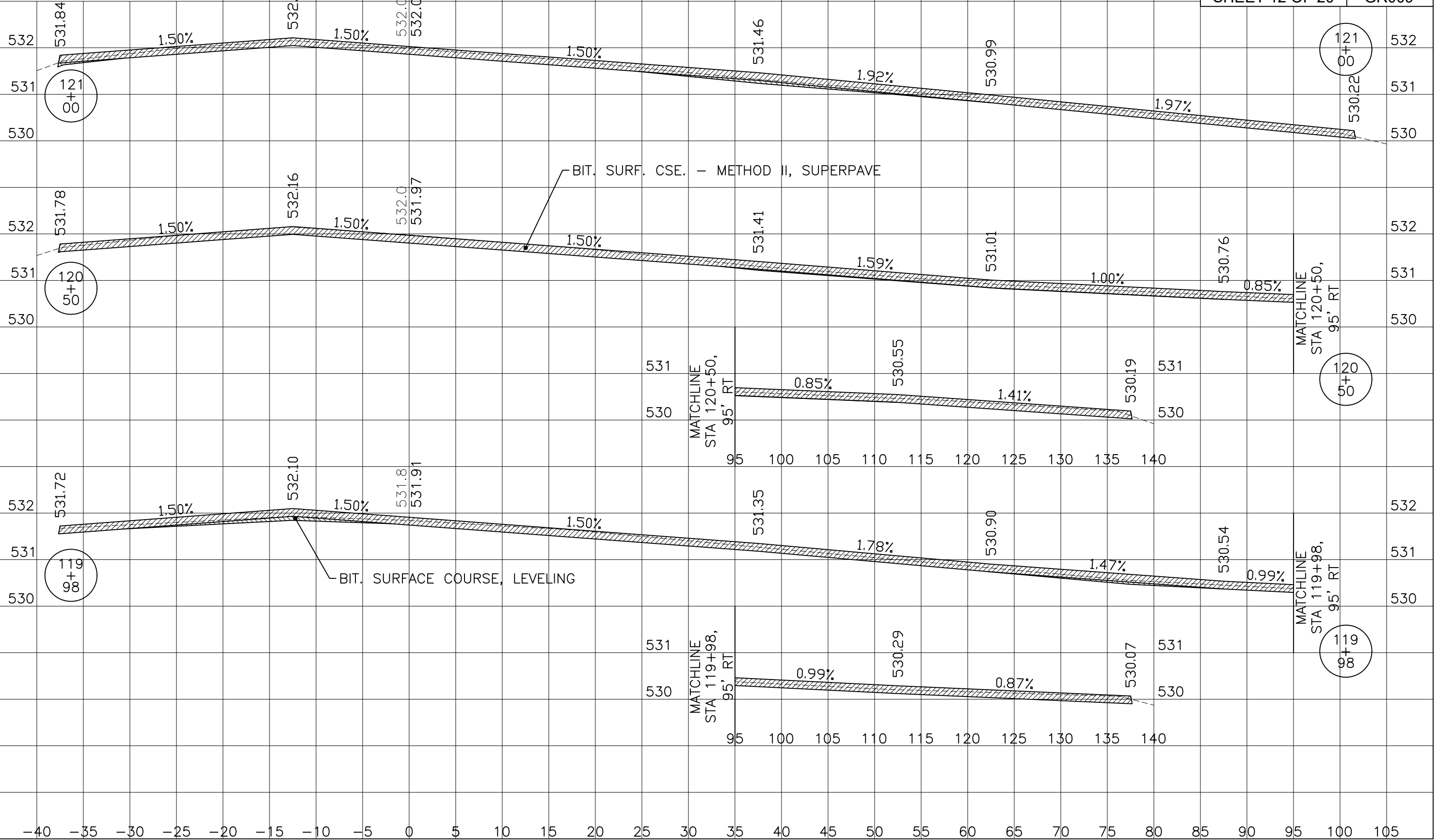
RUNWAY DESIGNATION NUMERALS
 N.T.S.

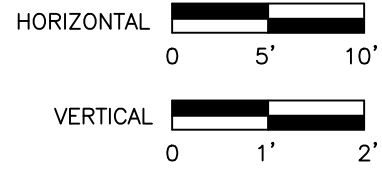
PAVEMENT MARKING - WATERBORNE SCHEDULE			
DESCRIPTION	UNIT AREA (SQ. FT)	NO. REQ'D	TOTAL (SQ. FT)
NUMERAL 1	318	1	318
NUMERAL 8	876	1	876
NUMERAL 3	633	1	633
NUMERAL 6	712	1	712
5.75' x 150' STRIPE	863	12	10356
18" CENTERLINE STRIPE - 120'	180	14	2520
18" CENTERLINE STRIPE - 103'	154.5	4	618
TOTAL WHITE			16033
TAXIWAY CENTERLINE	818	1	818
TOTAL YELLOW			818
TOTAL WATERBORNE			16851

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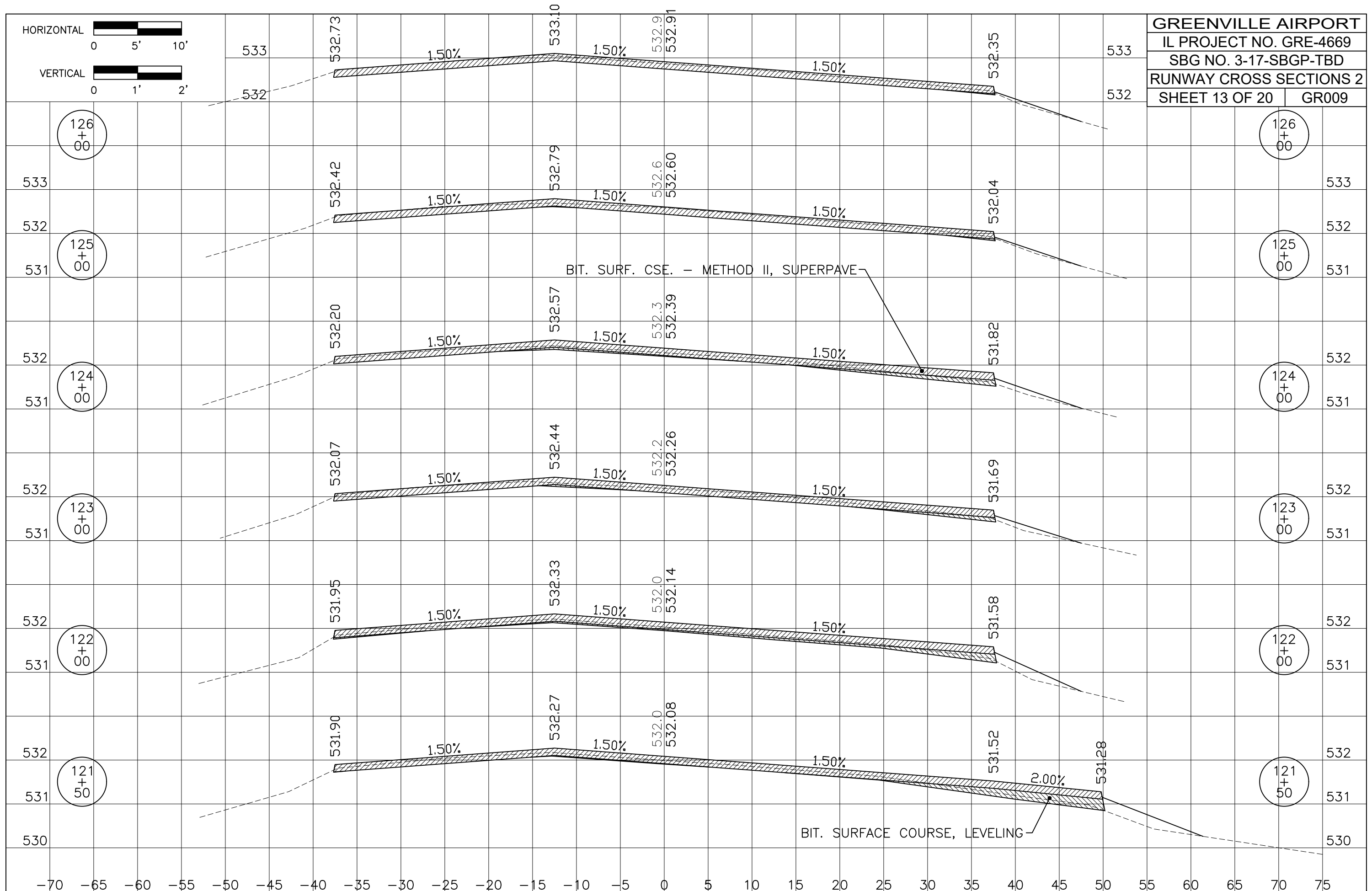


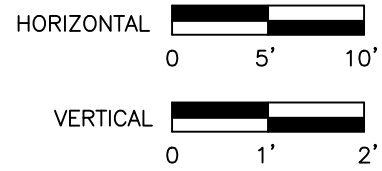
GREENVILLE AIRPORT
 IL PROJECT NO. GRE-4669
 SBG NO. 3-17-SBGP-TBD
 RUNWAY CROSS SECTIONS 1
 SHEET 12 OF 20 | GR009



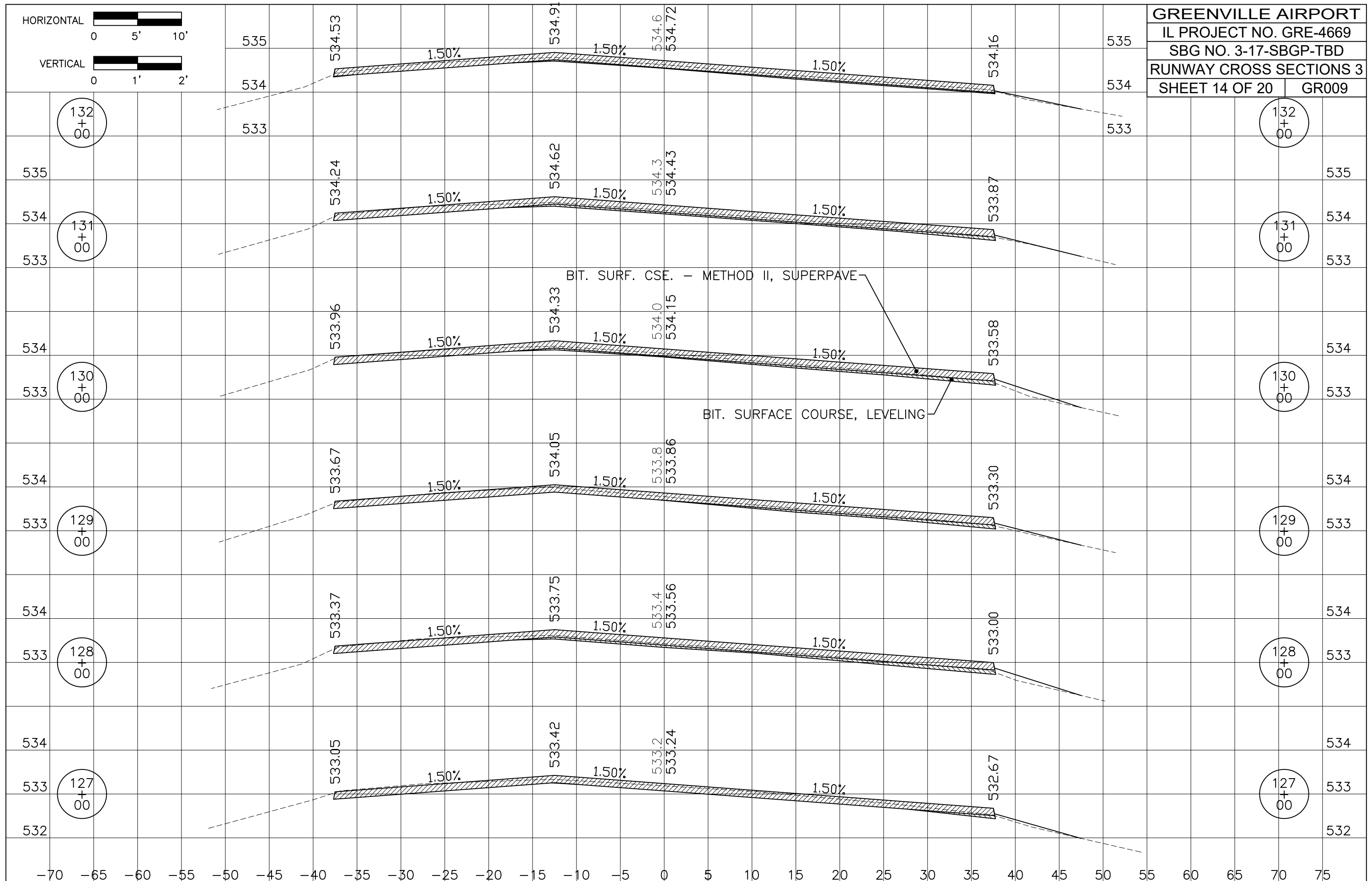


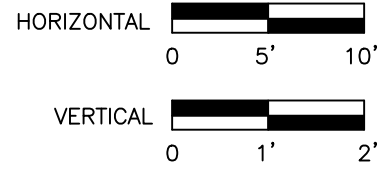
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 SBG NO. 3-17-SBGP-TBD
 RUNWAY CROSS SECTIONS 2
 SHEET 13 OF 20 | GR009



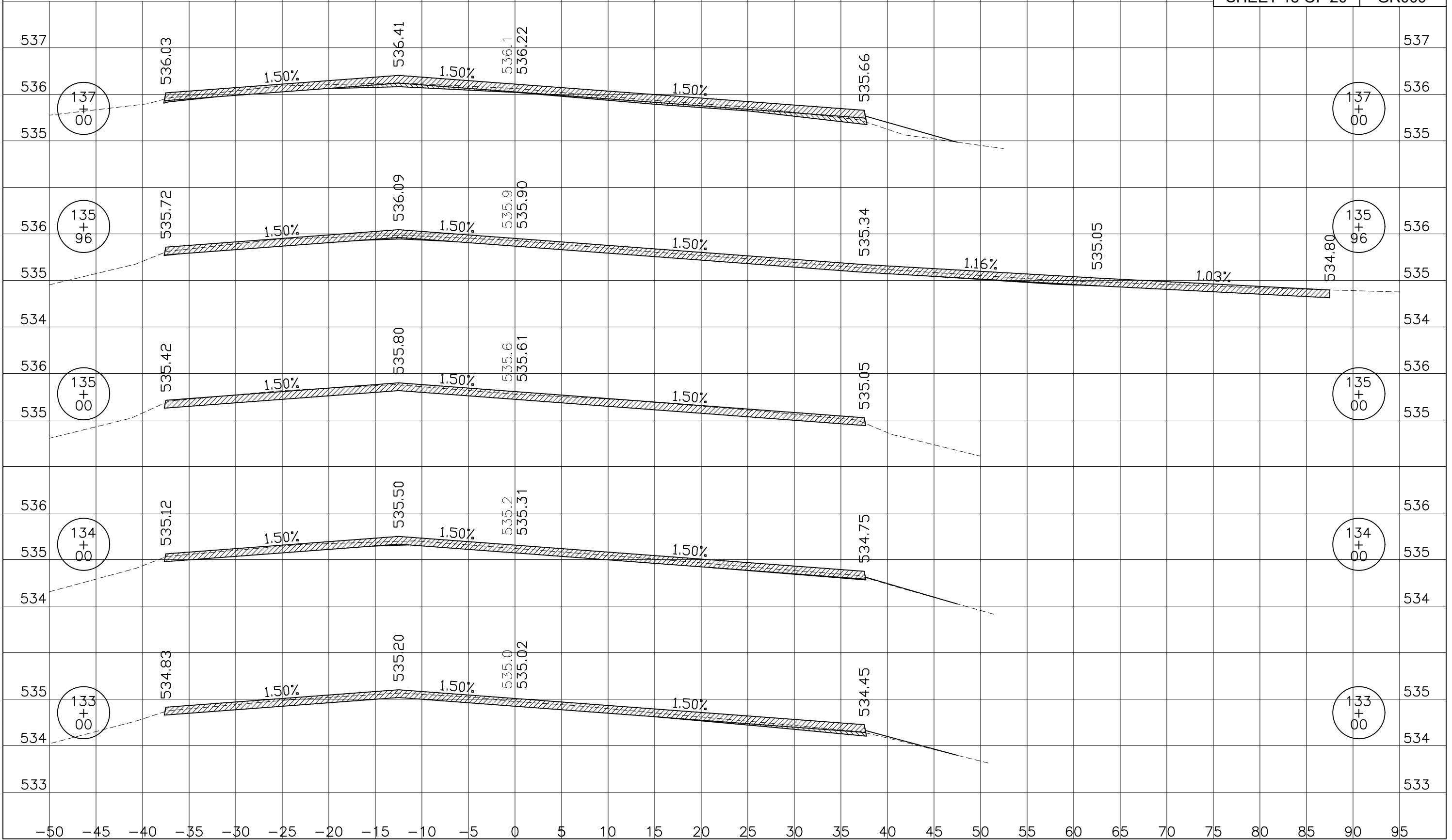


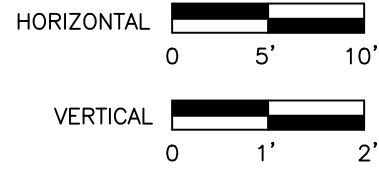
GREENVILLE AIRPORT
 IL PROJECT NO. GRE-4669
 SBG NO. 3-17-SBGP-TBD
 RUNWAY CROSS SECTIONS 3
 SHEET 14 OF 20 GR009



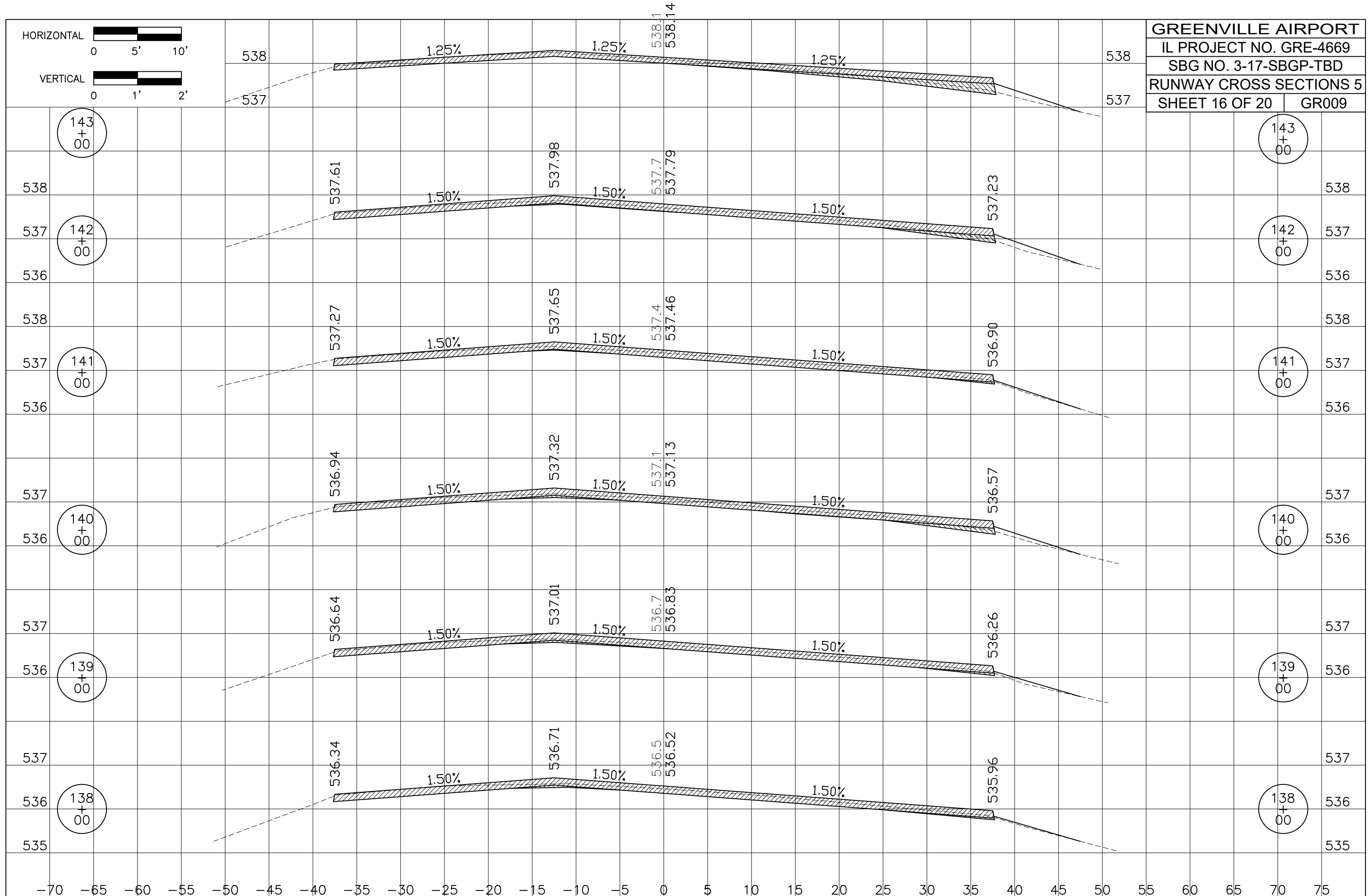


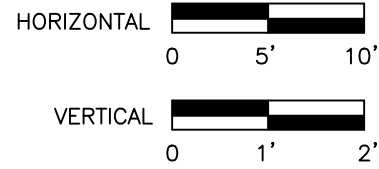
GREENVILLE AIRPORT
 IL PROJECT NO. GRE-4669
 SBG NO. 3-17-SBGP-TBD
 RUNWAY CROSS SECTIONS 4
 SHEET 15 OF 20 | GR009



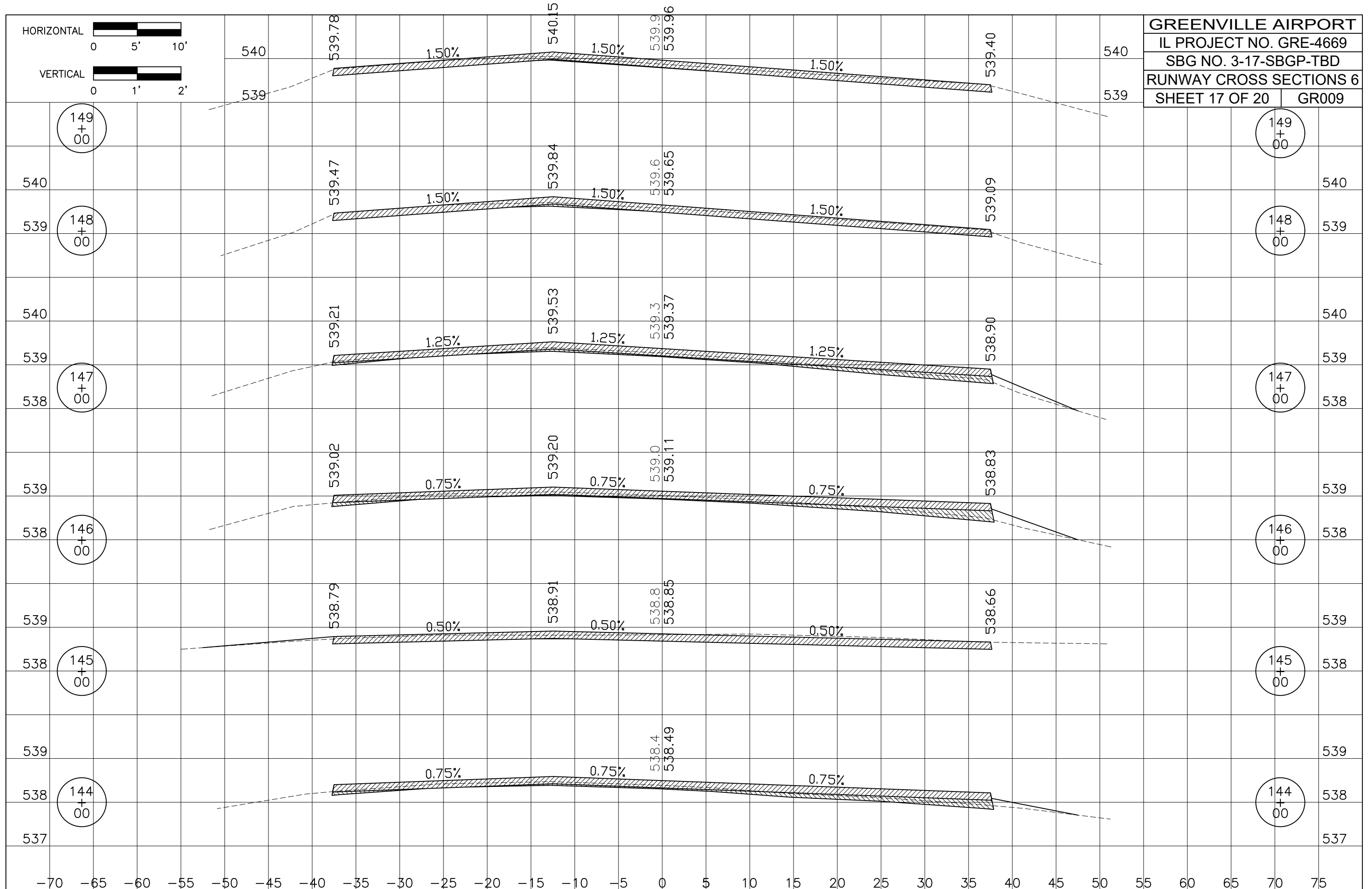


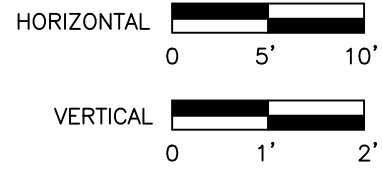
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 RUNWAY CROSS SECTIONS 5
 SHEET 16 OF 20 | GR009



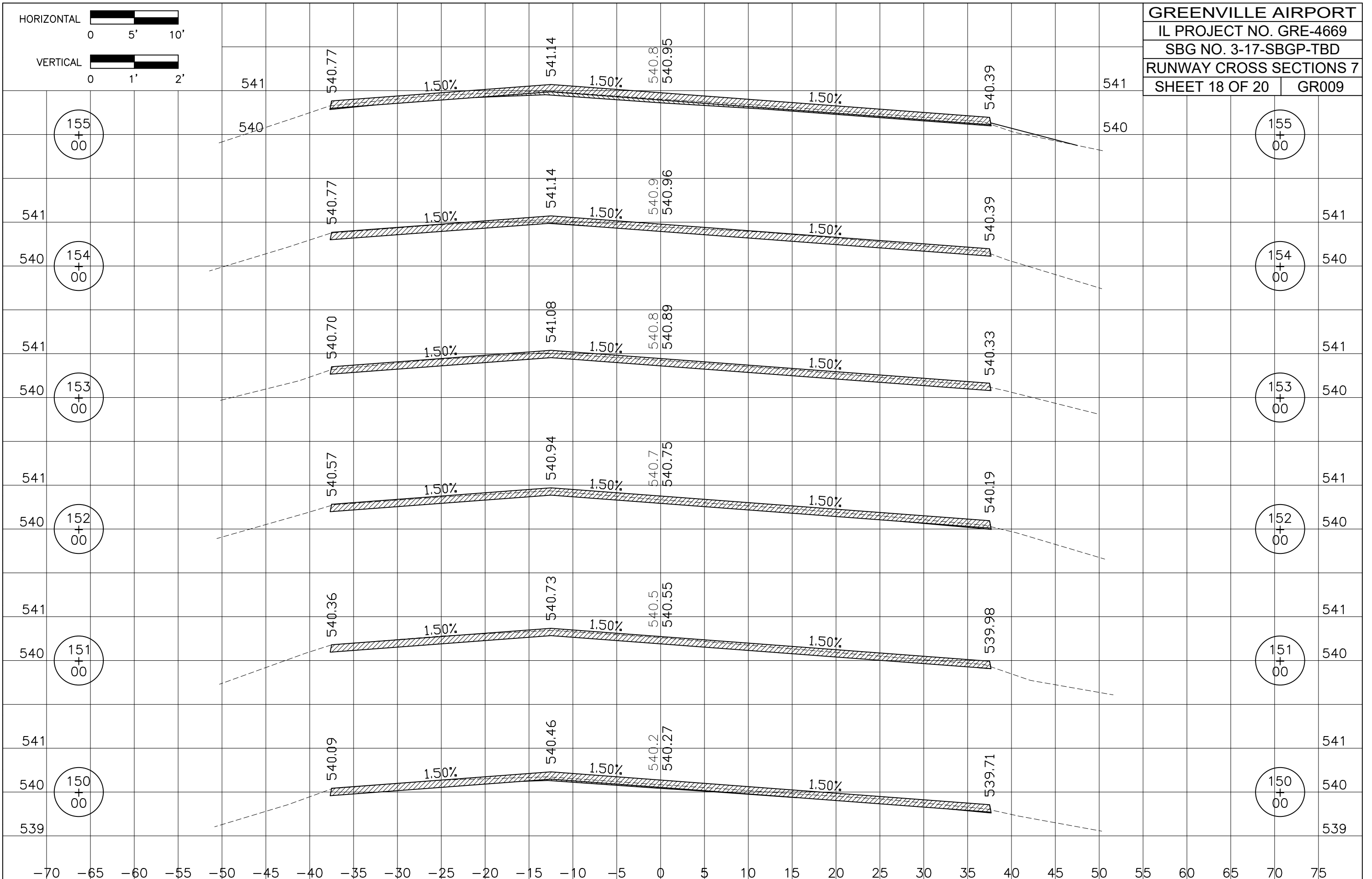


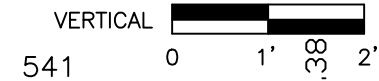
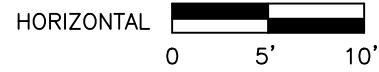
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 SBG NO. 3-17-SBGP-TBD
 RUNWAY CROSS SECTIONS 6
 SHEET 17 OF 20 GR009



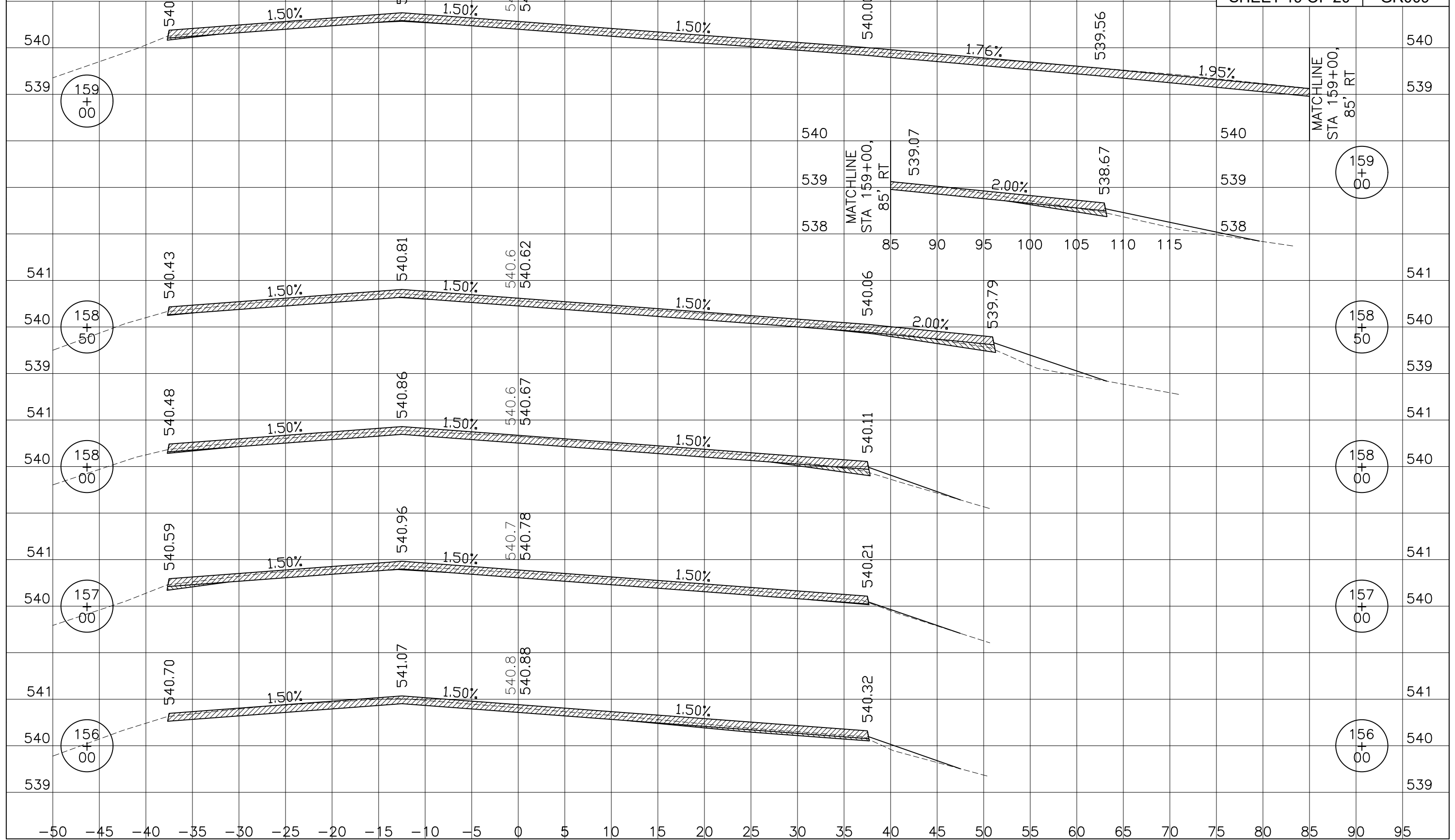


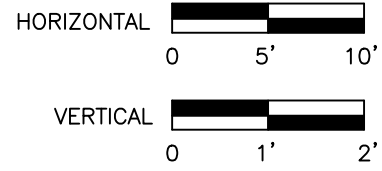
GREENVILLE AIRPORT
 IL PROJECT NO. GRE-4669
 SBG NO. 3-17-SBGP-TBD
 RUNWAY CROSS SECTIONS 7
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GREENVILLE AIRPORT	
IL PROJECT NO. GRE-4669	
SBG NO. 3-17-SBGP-TBD	
RUNWAY CROSS SECTIONS 9	
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BIT. SURF. CSE. - METHOD II, SUPERPAVE

