

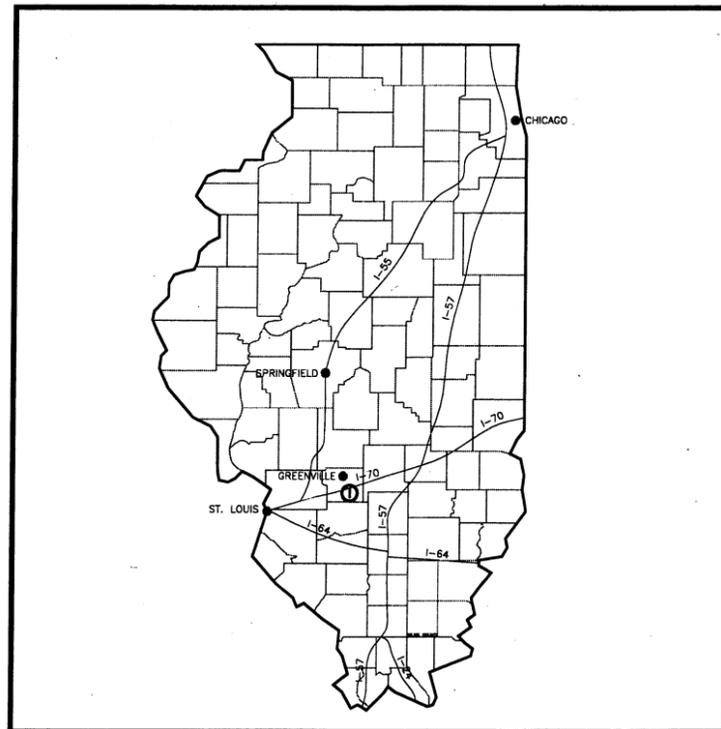
# CONSTRUCTION PLANS FOR GREENVILLE AIRPORT

## REHABILITATION OF THE AIRPORT ENTRANCE ROAD AND AUTO PARKING LOT

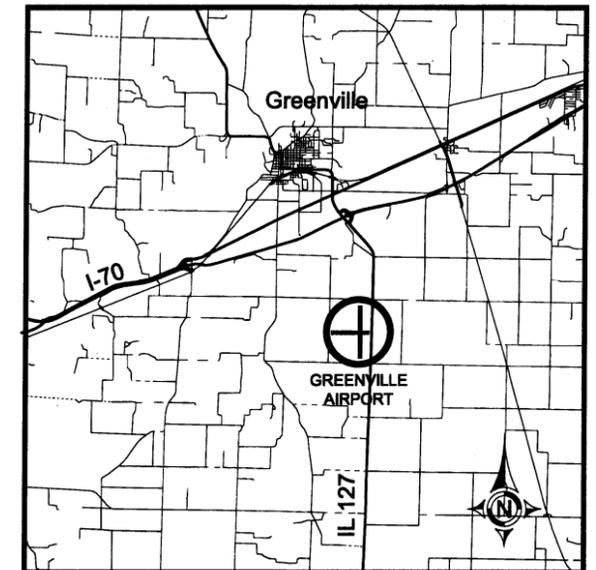
ILLINOIS PROJECT NUMBER: GRE-4310  
SBG PROJECT NUMBER: 3-17-SBGP-XX

GREENVILLE, ILLINOIS  
BOND COUNTY

DATE: APRIL 25, 2014



LOCATION MAP



VICINITY MAP



BROWN AND ROBERTS, INC.  
CONSULTING ENGINEER  
PRESIDENT

SUBMITTED BY: *J.W. Brown*  
JIM W. BROWN  
DATE SUBMITTED: *4/28/14*  
LICENSE NUMBER: 184-002518  
LICENSE EXPIRATION DATE: APRIL 30, 2015

PLANS PREPARED BY:



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

GREENVILLE AIRPORT AUTHORITY  
CHAIRMAN

APPROVED BY: *Raymond Mack* *4/28/14*  
DATE: *4-28-14*  
SECRETARY

ATTESTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

INDEX OF SHEETS	
SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND SCHEDULES
3	RUNWAY SAFETY PLAN
4	TYPICAL SECTIONS
5-9	PLAN AND PROFILE SHEETS
10-15	CROSS SECTION SHEETS

SUMMARY OF QUANTITIES			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
AR401610	BITUMINOUS SURFACE COURSE	TON	410
AR401650	BITUMINOUS PAVEMENT MILLING	S.Y.	4465
AR403610	BITUMINOUS BASE COURSE	TON	545
AR501508	8" PCC PAVEMENT	S.Y.	180
AR602510	BITUMINOUS PRIME COAT	GAL	355
AR603510	BITUMINOUS TACK COAT	GAL	790
AR701312	12" RCP, CLASS II	L.F.	14
AR752412	PRECAST REINFORCED CONC. FES 12"	EACH	2
AR801256	SITE WORK	L.S.	1

PAVEMENT SCHEDULE						
LOCATION	BITUMINOUS SURFACE COURSE (TON)	BITUMINOUS PAVEMENT MILLING (SQ YD)	BITUMINOUS BASE COURSE (TON)	8" PCC PAVEMENT (SQ YD)	BITUMINOUS PRIME COAT (GAL)	BITUMINOUS TACK COAT (GAL)
AIRPORT MAIN ENTRANCE ROAD						
STA 10+26.54 TO STA 17+47.00	175	1905	235			385
STA 17+47.00 TO STA 17+87.23				180		
MAIN PARKING LOT						
STA 50+10.50 TO STA 52+55.50	170	1860	225			
STA 50+10.50 TO STA 51+41.00						200
STA 51+41.00 TO STA 52+55.50					265	90
HANGAR ENTRANCE ROAD AND PARKING LOT						
STA 30+27.64 TO STA 32+89.37	65	700	85		90	115
TOTALS	410	4465	545	180	355	790

CULVERT SCHEDULE						
UPSTREAM LOCATION	UPSTREAM INVERT	DOWNSTREAM LOCATION	DOWNSTREAM INVERT	12" RCP, CLASS II (FT)	PRECAST REINFORCED CONC. FES 12" (EACH)	TRENCH BACKFILL (CU YD)
STA 32+69.00, 13.07' LT	533.70	STA 32+69.00, 13.07' RT	533.60	14.0	2.0	2.2
TOTALS				14	2	2.2

NOTES:

- ALL STATIONS, OFFSETS AND ELEVATIONS GIVEN AT THE FLOWLINE INVERT AT THE END OF THE END SECTION.
- TRENCH BACKFILL WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED CULVERT. QUANTITY OF TRENCH BACKFILL IS APPROXIMATE AND FOR INFORMATION ONLY.

**SCOPE OF WORK**

THE PROJECT SCOPE CONSISTS OF THE REHABILITATION OF EXISTING ENTRANCE ROADS AND PARKING PAVEMENT AREAS 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 BOTH RUNWAYS WILL REMAIN OPEN FOR THE DURATION OF THE PROJECT, AS NO CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT WILL BE WITHIN 200' OF THE RUNWAY CENTERLINES. ANY WORK WITHIN 200' OF THE CENTERLINE OF A RUNWAY WILL REQUIRE CLOSURE OF THAT RUNWAY.**

**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.

ANY WORK WITHIN 45' OF A TAXIWAY OR TAXILANE CENTERLINE SHALL REQUIRE CLOSURE OF THAT TAXIWAY OR TAXILANE USING LIGHTED BARRICADES AS SPECIFIED. NO WORK SHALL OCCUR WITHIN 45' OF THE CENTERLINE OF AN ACTIVE TAXIWAY OR TAXILANE.

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

WHEN WORKING WITHIN IL RTE 127 ROW AND BUTTING AGAINST IL RTE 127 ROADWAY, USE THE APPROPRIATE APPROVED IDOT STANDARDS 701006, 701201, AND 701901 FOR TRAFFIC CONTROL.

**HAUL ROUTE AND EQUIPMENT PARKING**

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND EQUIPMENT PARKING AREA SHOWN ON THIS SAFETY PLAN. THE PROPOSED EQUIPMENT PARKING AREA WILL BE APPROXIMATELY 85-FT BY 65-FT. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED 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 HAUL ROUTE AND EQUIPMENT PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ACCESS TO THE AIRPORT FACILITIES AT ALL TIMES. CONSTRUCTION OPERATIONS SHALL BE STAGED WITH THE MAIN VEHICLE PARKING AREA BEING CONSTRUCTED FIRST SO THAT WHEN THE MAIN ENTRANCE ROAD IS BEING CONSTRUCTED, THE MAIN VEHICLE PARKING AREA WILL BE ACCESSIBLE FROM THE TEMPORARY ACCESS ROAD. CONTRACTOR SHALL PROVIDE ROOM IN THE STAGING AREA FOR VEHICLES TO ACCESS THE PARKING AREA.

THE CONTRACTOR SHALL HAVE A FLAG PERSON AVAILABLE AT ALL TIMES TO DIRECT AIRPORT TRAFFIC.

**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

**NOTE:**

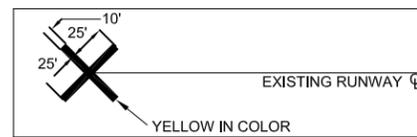
THE COST OF CONSTRUCTING, PLACING, MAINTAINING, AND REMOVING CROSSES WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CROSSES WILL BE YELLOW IN COLOR AND SHALL BE MADE OF A SUITABLE MATERIAL AS APPROVED BY THE RESIDENT ENGINEER. THE CROSSES WILL BE PLACED 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.

**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.



DETAIL OF CROSS FOR CLOSED RUNWAY  
 "NOT TO SCALE"

**RUNWAY CLOSURE PROCEDURES:**

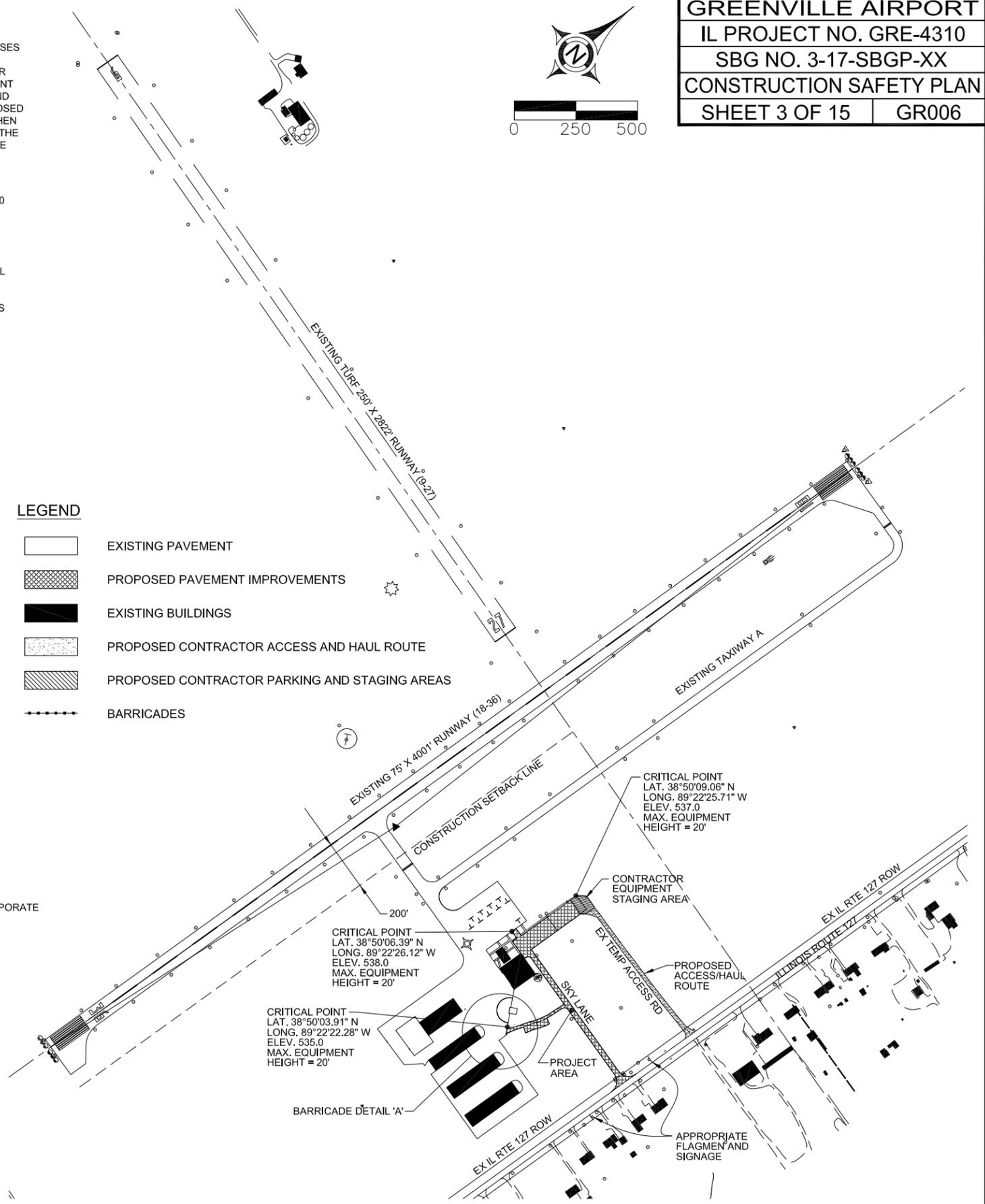
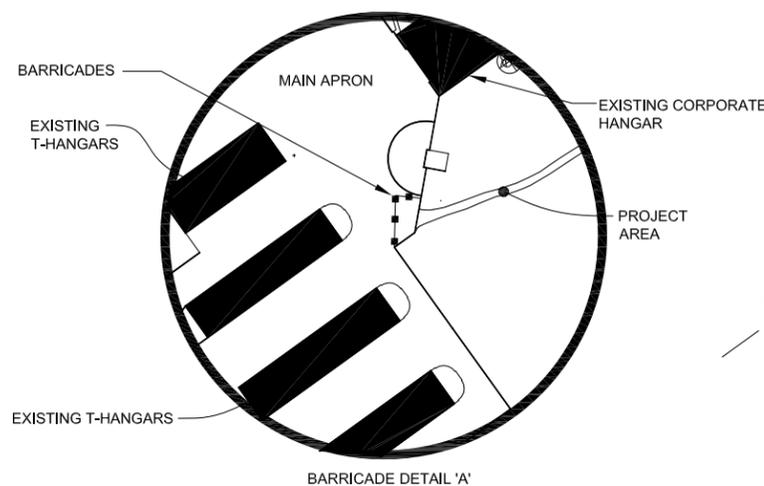
- \* CONTACT THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
- \* ISSUANCE OF NOTAM BY THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
- \* PLACEMENT OF CROSSES (SEE DETAIL THIS SHEET).
- \* PLACEMENT OF LIGHTED BARRICADES. ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION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

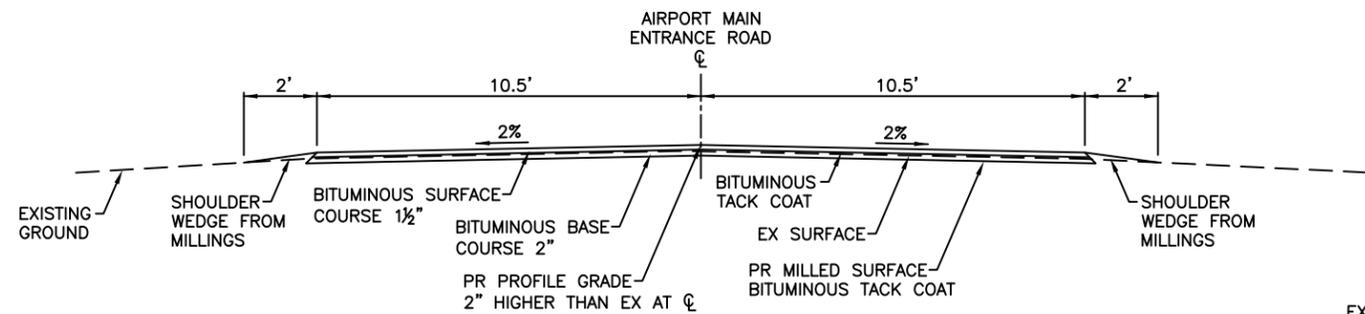
**RUNWAY RE-OPENING PROCEDURES:**

- \* 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 NOT WITHIN 200' OF THE RUNWAY CENTERLINE.
- \* RUNWAY LIGHTS SHALL BE REACTIVATED.

**LEGEND**

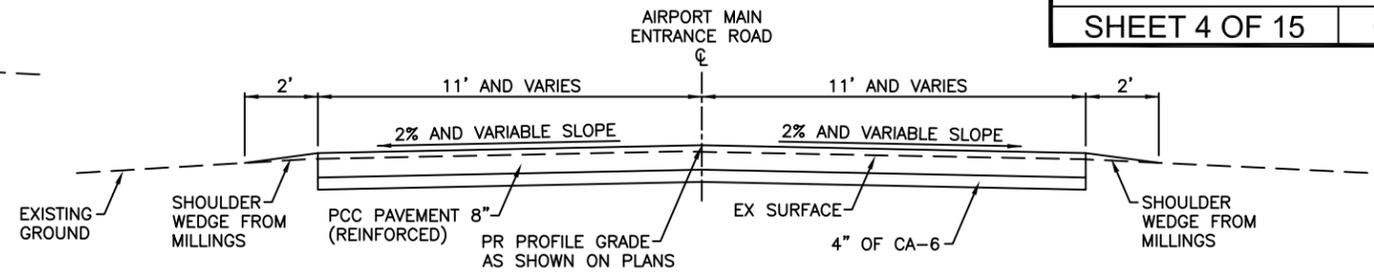
- EXISTING PAVEMENT
- PROPOSED PAVEMENT IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED CONTRACTOR ACCESS AND HAUL ROUTE
- PROPOSED CONTRACTOR PARKING AND STAGING AREAS
- BARRICADES





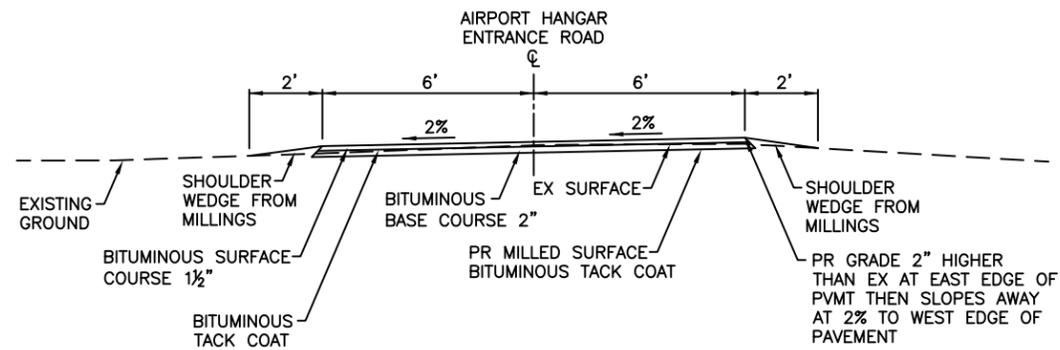
**AIRPORT MAIN ENTRANCE ROAD TYPICAL SECTION (BITUMINOUS OVERLAY)**

NO SCALE  
 STA 10+26.54 TO STA 17+47.00



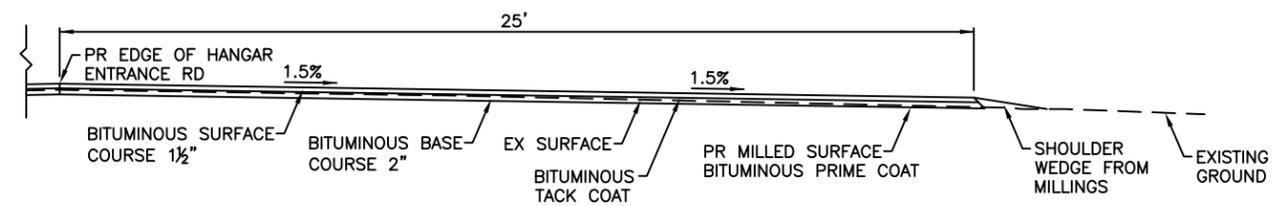
**AIRPORT MAIN ENTRANCE ROAD TYPICAL SECTION (PCC PVMT)**

NO SCALE  
 STA 17+47.00 TO STA 17+87.23



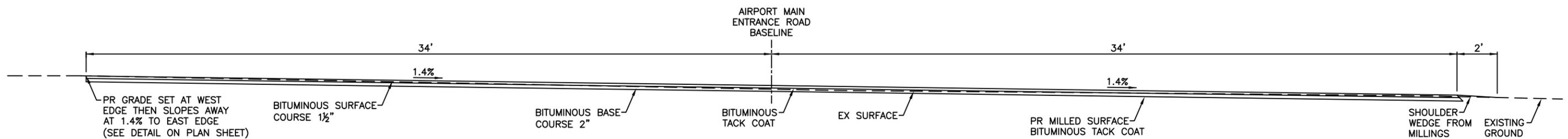
**HANGAR ENTRANCE ROAD TYPICAL SECTION**

NO SCALE  
 STA 30+27.64 TO STA 32+89.37



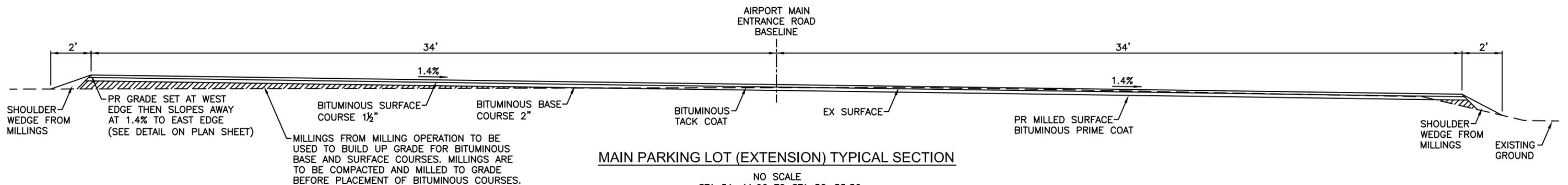
**HANGAR ENTRANCE PARKING LOT TYPICAL SECTION**

NO SCALE  
 STA 31+00.00 TO STA 32+00.00



**MAIN PARKING LOT TYPICAL SECTION**

NO SCALE  
 STA 50+10.50 TO STA 51+41.00



**MAIN PARKING LOT (EXTENSION) TYPICAL SECTION**

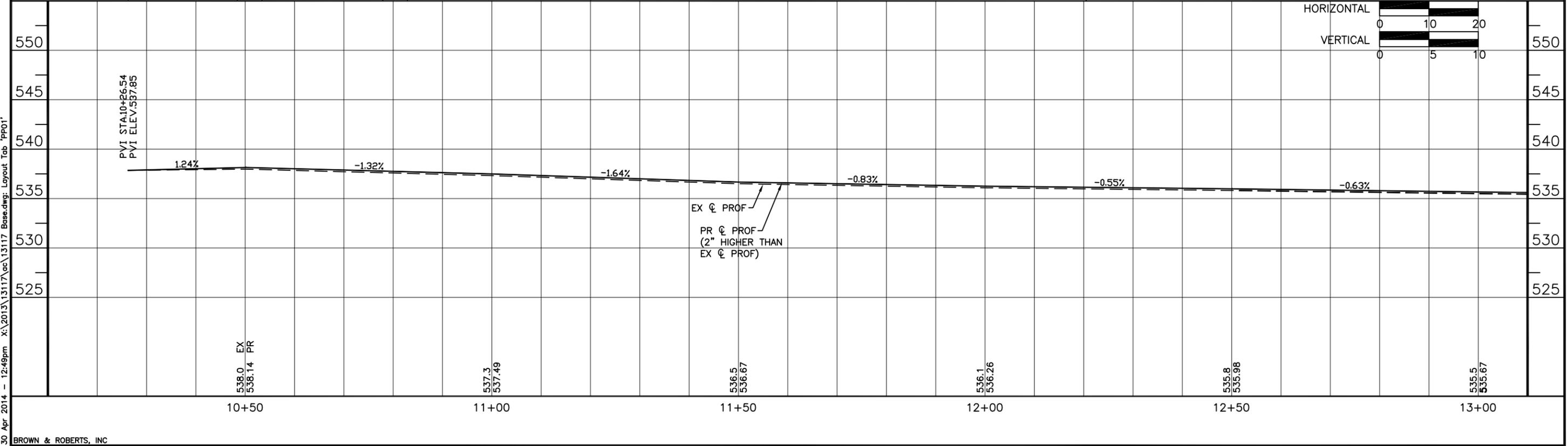
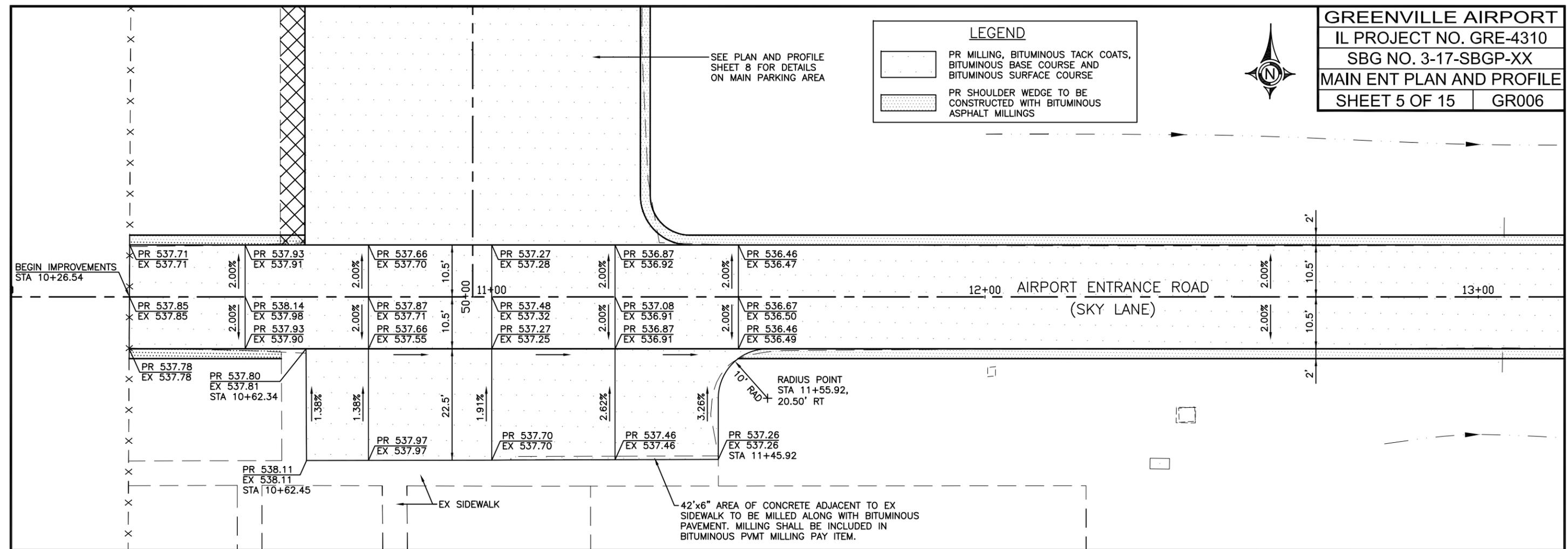
NO SCALE  
 STA 51+41.00 TO STA 52+55.50



**LEGEND**

- PR MILLING, BITUMINOUS TACK COATS, BITUMINOUS BASE COURSE AND BITUMINOUS SURFACE COURSE
- PR SHOULDER WEDGE TO BE CONSTRUCTED WITH BITUMINOUS ASPHALT MILLINGS

SEE PLAN AND PROFILE SHEET 8 FOR DETAILS ON MAIN PARKING AREA



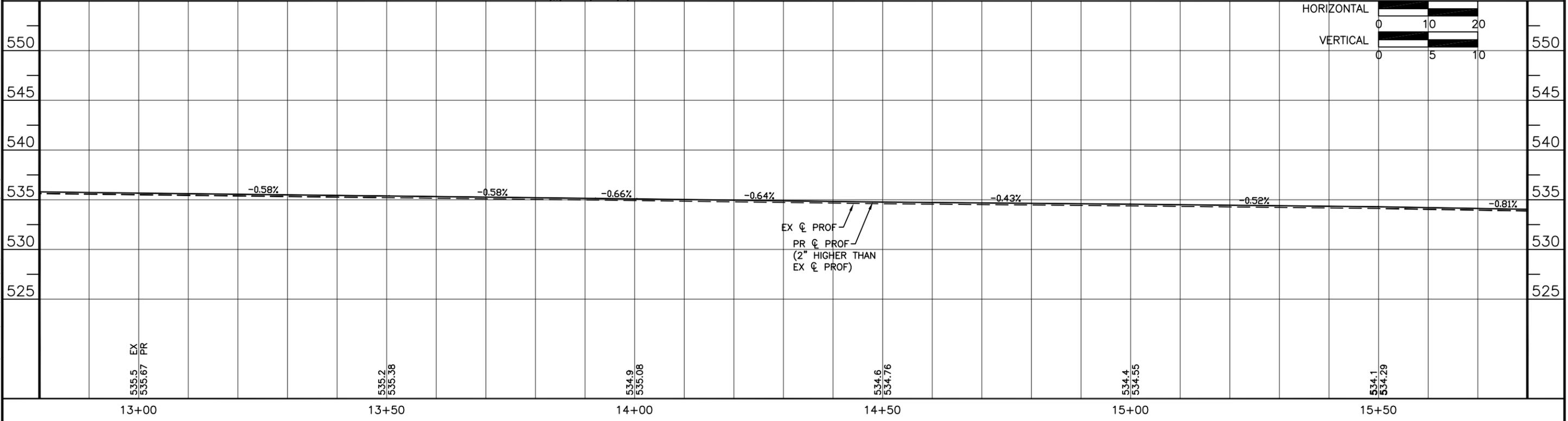
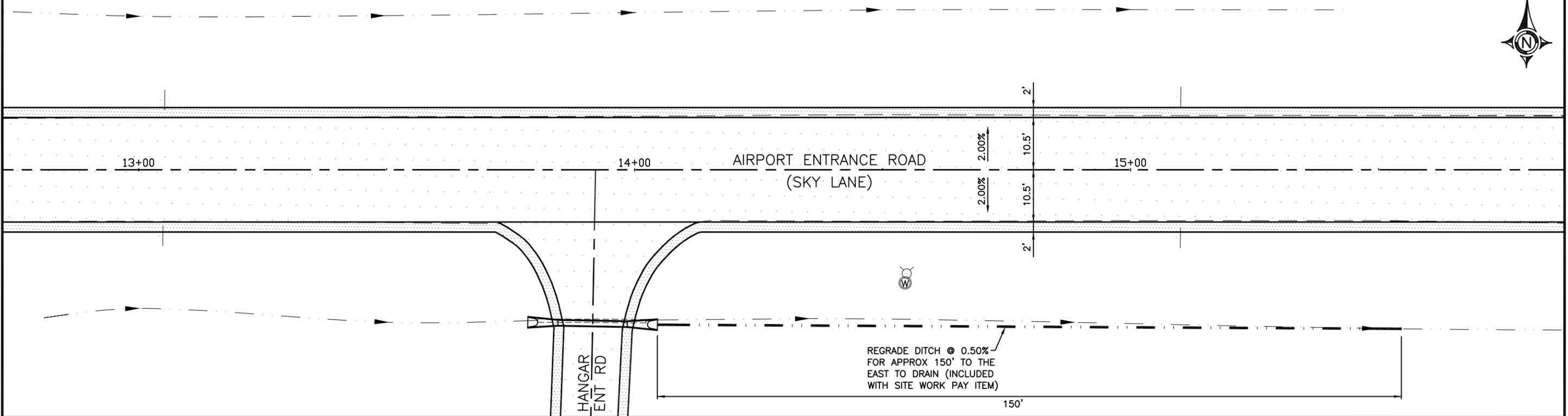
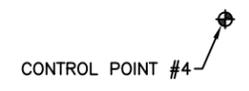
30 Apr 2014 - 12:49pm X:\2013\13117\oc\13117 Base.dwg: Layout Tab 'P01'

**LEGEND**

	PR MILLING, BITUMINOUS TACK COATS, BITUMINOUS BASE COURSE AND BITUMINOUS SURFACE COURSE
	PR SHOULDER WEDGE TO BE CONSTRUCTED WITH BITUMINOUS ASPHALT MILLINGS

**CONTROL POINTS**

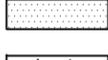
CONTROL POINT #	STATION, OFFSET, ELEV
3	14+88.95, 302.47' RT, 534.64
4	14+58.15, 48.50' LT, 534.50

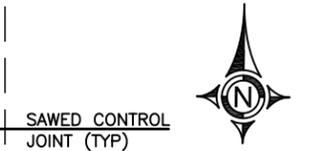
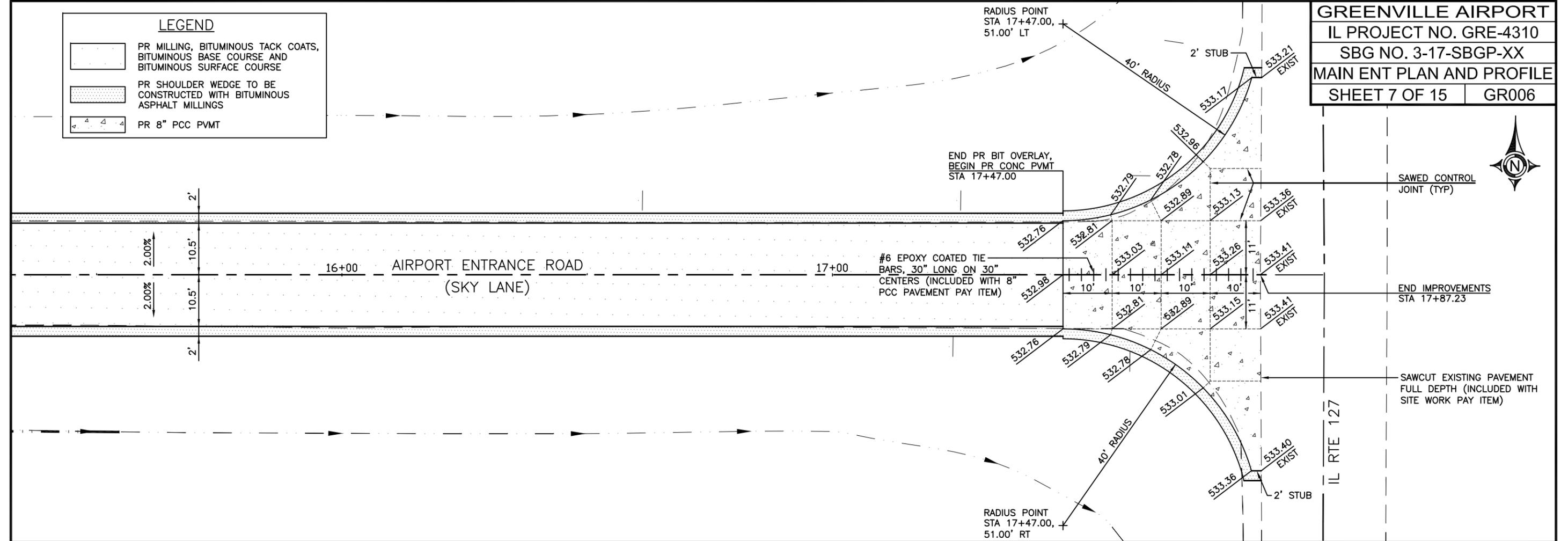


30 Apr 2014 - 12:49pm X:\2013\13117\oc\13117 Base.dwg: Layout Tab 'PP02'

**GREENVILLE AIRPORT**  
**IL PROJECT NO. GRE-4310**  
**SBG NO. 3-17-SBGP-XX**  
**MAIN ENT PLAN AND PROFILE**  
**SHEET 7 OF 15** | **GR006**

**LEGEND**

-  PR MILLING, BITUMINOUS TACK COATS, BITUMINOUS BASE COURSE AND BITUMINOUS SURFACE COURSE
-  PR SHOULDER WEDGE TO BE CONSTRUCTED WITH BITUMINOUS ASPHALT MILLINGS
-  PR 8" PCC PVMT

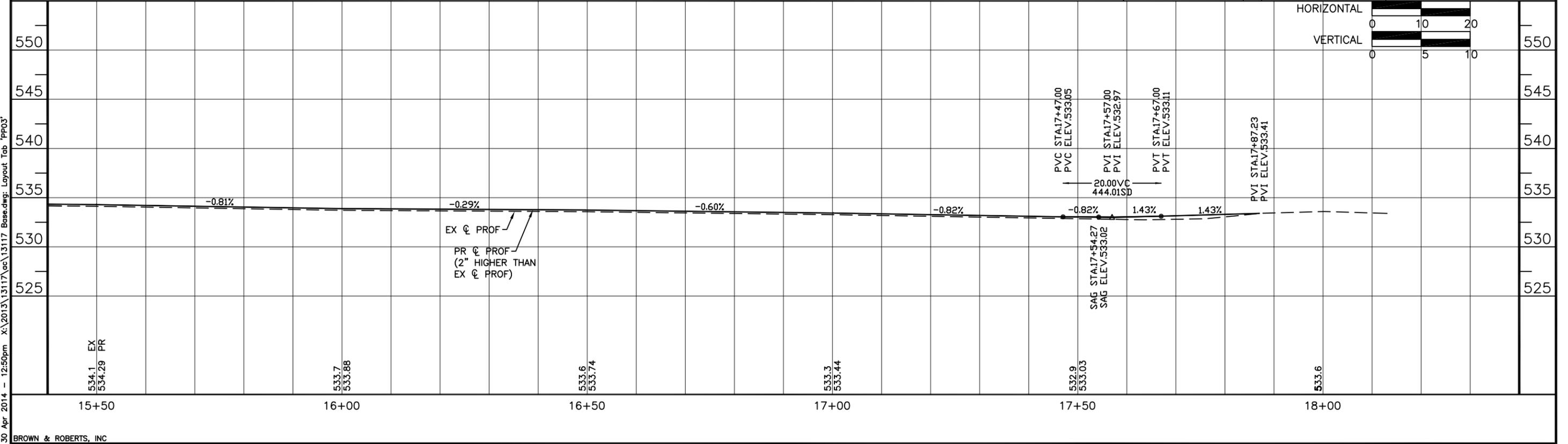
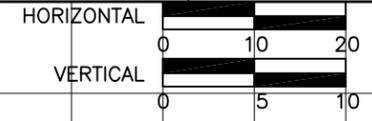


SAWED CONTROL JOINT (TYP)

END IMPROVEMENTS STA 17+87.23

SAWCUT EXISTING PAVEMENT FULL DEPTH (INCLUDED WITH SITE WORK PAY ITEM)

IL RTE 127



30 Apr 2014 - 12:50pm X:\2013\13117\oc\13117 Base.dwg: Layout Tab 'P03'

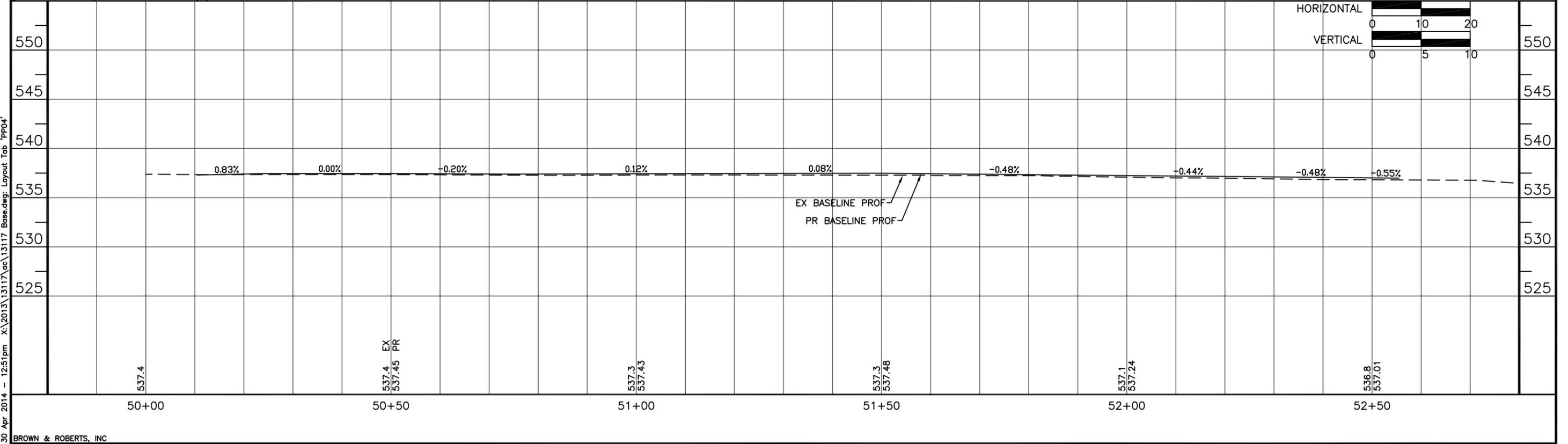
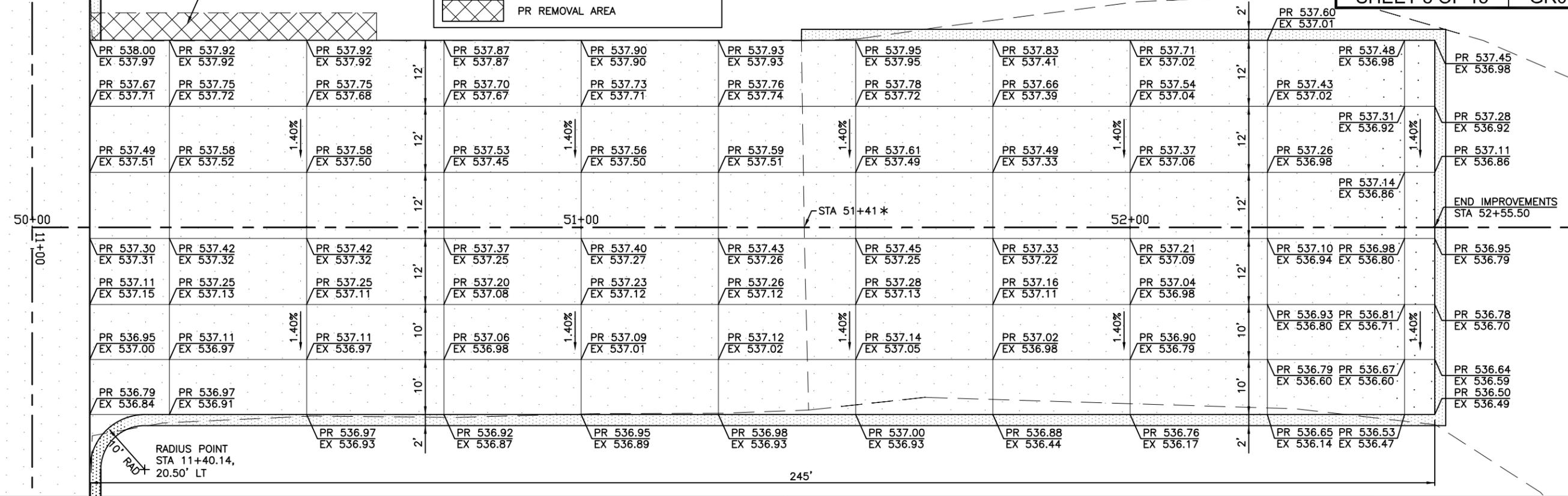


**LEGEND**

- PR MILLING, BITUMINOUS TACK/PRIME COATS, BITUMINOUS BASE COURSE AND BITUMINOUS SURFACE COURSE
- PR SHOULDER WEDGE TO BE CONSTRUCTED WITH BITUMINOUS ASPHALT MILLINGS
- PR REMOVAL AREA

\* NOTE:  
 EXISTING PARKING SURFACE CHANGES FROM BITUMINOUS ASPHALT TO A SURFACE CONSISTING OF COMPACTED BITUMINOUS ASPHALT MILLINGS AT STA 51+41. PRIME COAT SHALL BE USED INSTEAD OF TACK COAT FROM STA 51+41 TO STA 52+55.50. THE VARIABLE EXISTING SURFACE GRADES FOR THIS STATION RANGE SHALL BE MILLED AND REGRADED AT THE GRADES SHOWN BEFORE PLACING OF BITUMINOUS BASE AND SURFACE COURSES.

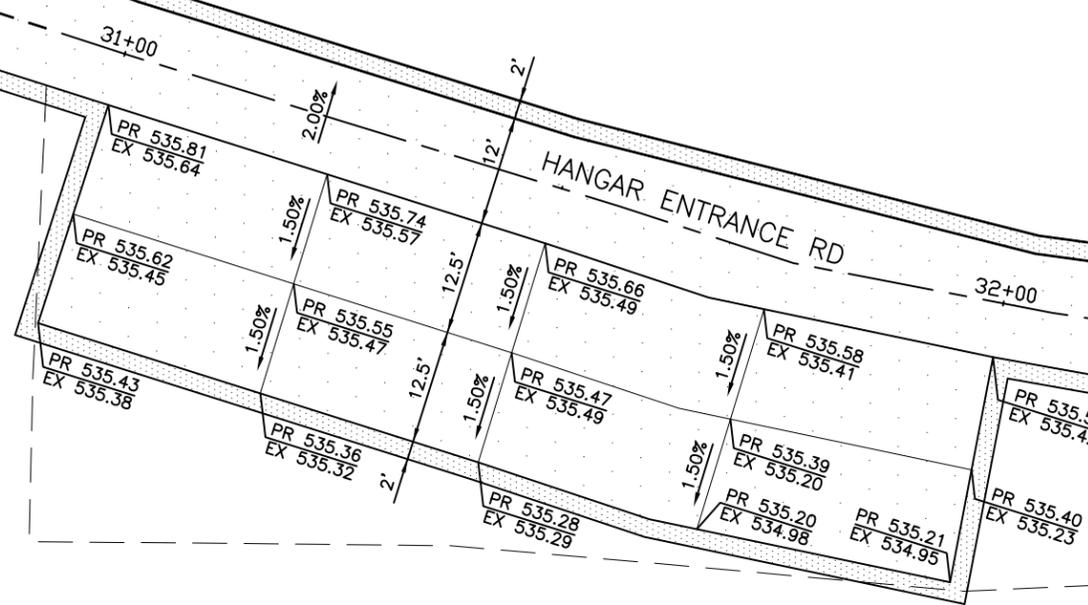
29.1 SQ YD SIDEWALK TO BE REMOVED. (INCLUDED IN SITE WORK PAY ITEM)



30 Apr 2014 - 12:51pm X:\2013\13117\oc\13117 Base.dwg: Layout Tab 'PP04'



30+00  
 BEGIN IMPROVEMENTS  
 STA 30+27.64



STA 32+69.00, 13.07' LT  
 PR PRECAST REINF CONC.  
 FLARED END SECTION 12"  
 ELEV = 533.70

PR 12" RCP  
 CLASS II x 14'

REMOVE EXISTING  
 PIPE x 22'  
 (INCLUDED IN SITE  
 WORK PAY ITEM)

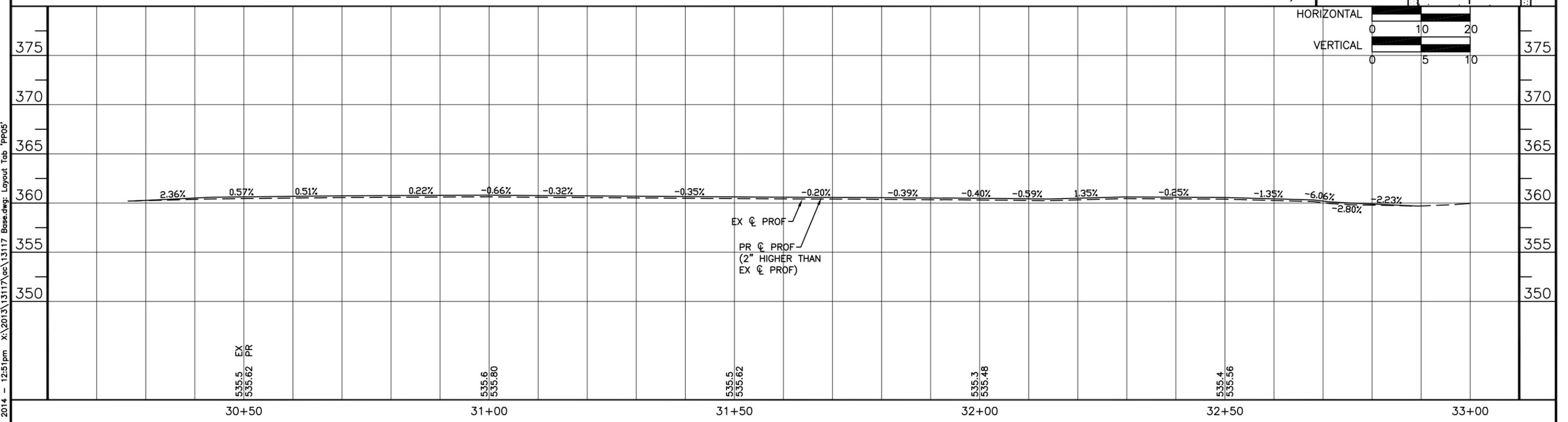
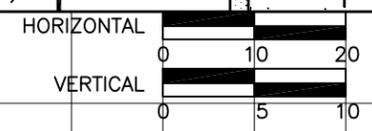
STA 32+69.00, 13.07' RT  
 PR PRECAST REINF CONC.  
 FLARED END SECTION 12"  
 ELEV = 533.60

REGRADE DITCH @ 0.50%  
 FOR APPROX 150' TO THE  
 EAST TO DRAIN (INCLUDED  
 WITH SITE WORK PAY ITEM)

AIRPORT ENTRANCE ROAD  
 (SKY LANE)  
 14+00

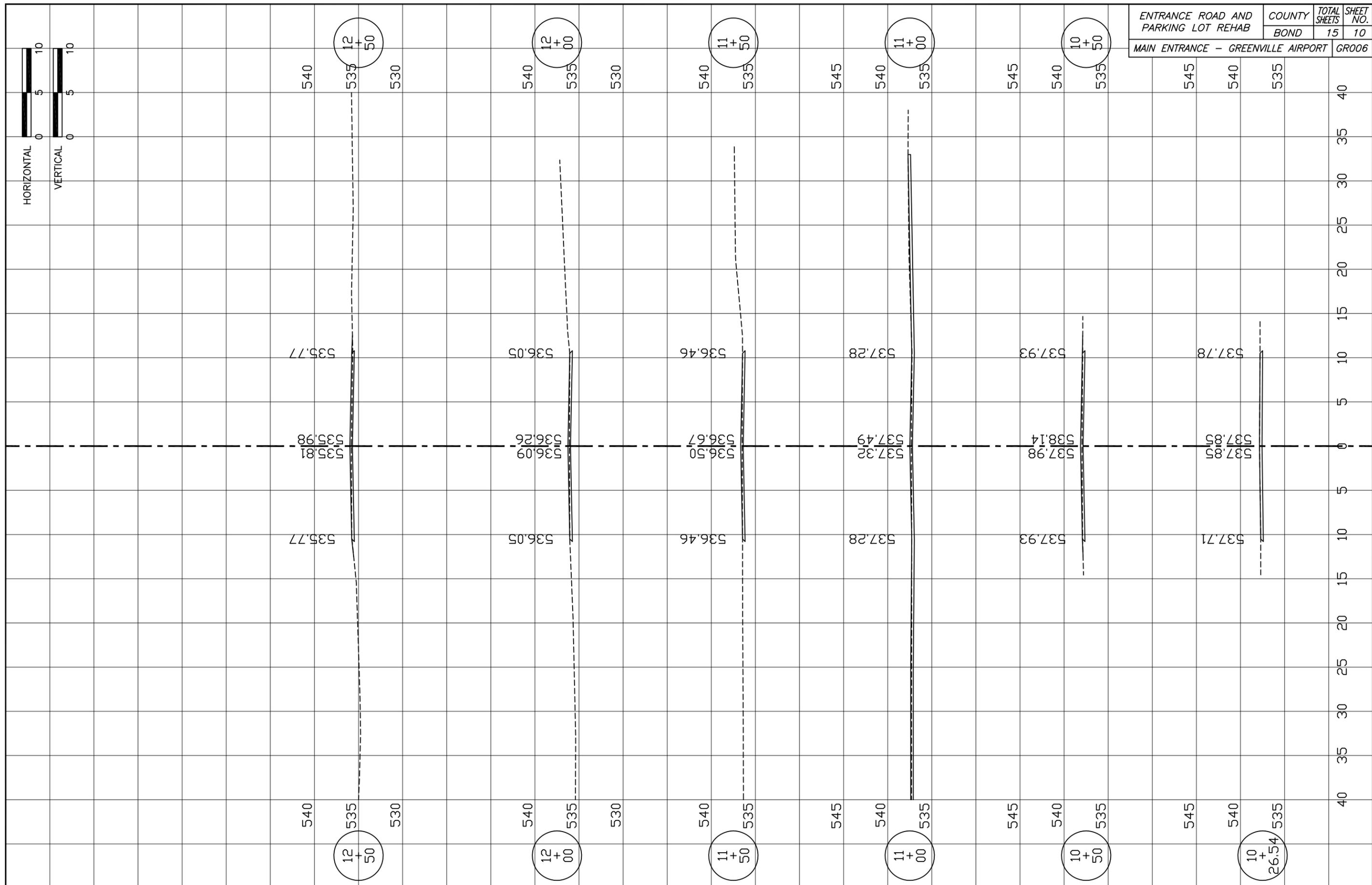
**LEGEND**

- PR MILLING, BITUMINOUS TACK/PRIME COATS, BITUMINOUS BASE COURSE AND BITUMINOUS SURFACE COURSE
- PR SHOULDER WEDGE TO BE CONSTRUCTED WITH BITUMINOUS ASPHALT MILLINGS

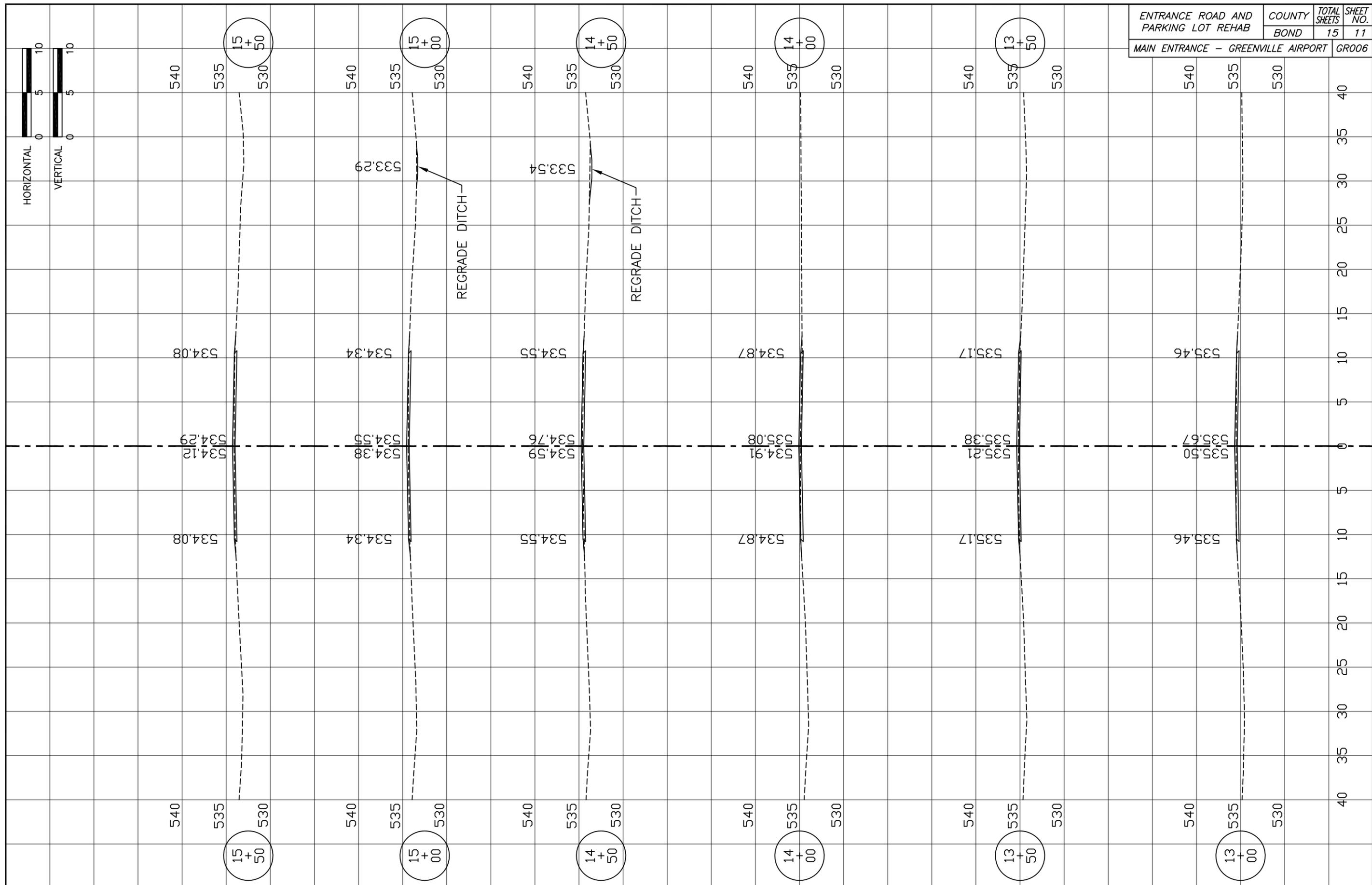


30 Apr 2014 - 12:51pm X:\2013\13117\oc\13117 Base.dwg: Layout Tab 'PP05'

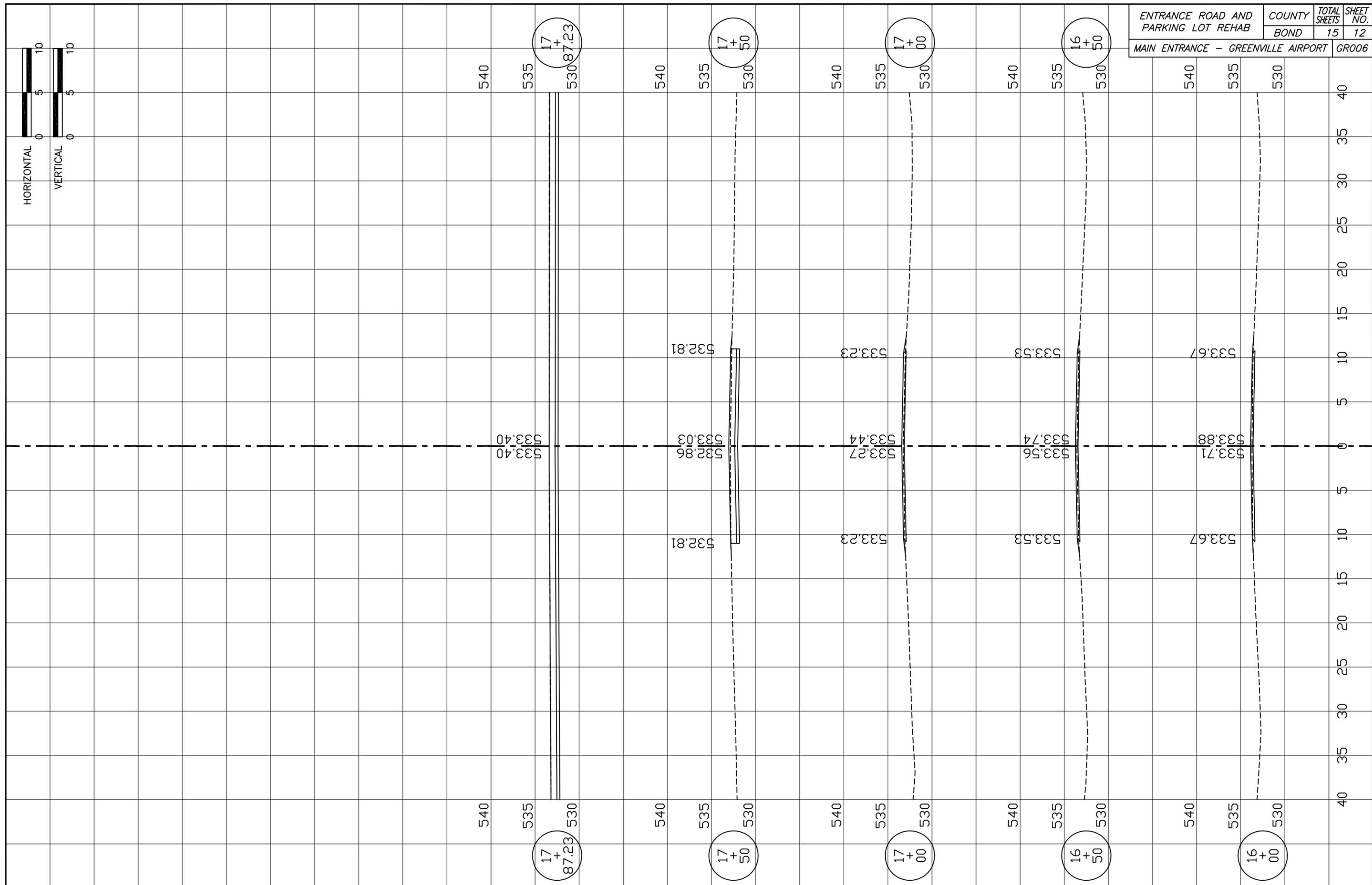
ENTRANCE ROAD AND PARKING LOT REHAB	COUNTY	TOTAL SHEETS	SHEET NO.
	BOND	15	10
MAIN ENTRANCE - GREENVILLE AIRPORT			GR006



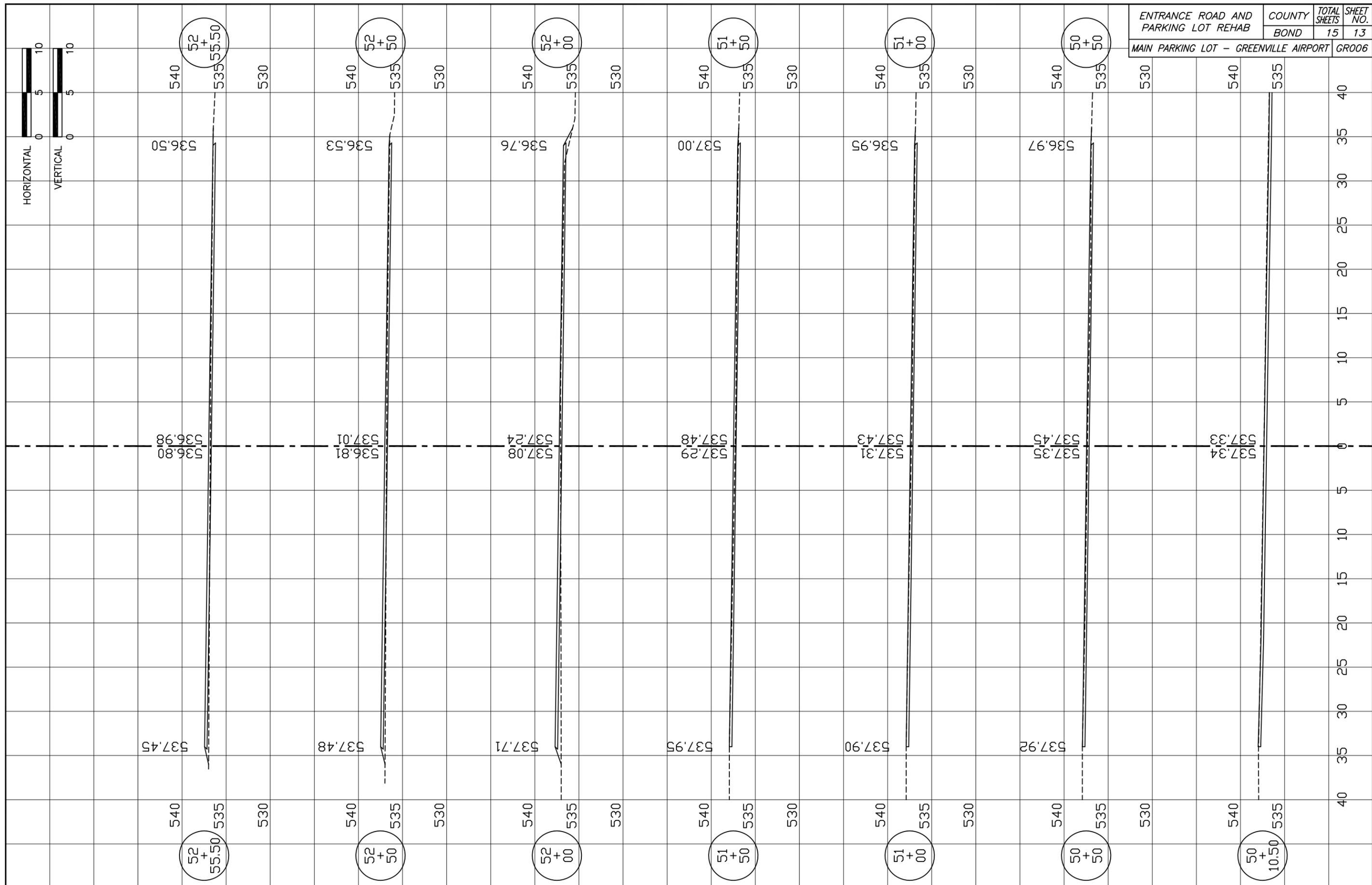
ENTRANCE ROAD AND PARKING LOT REHAB	COUNTY	TOTAL SHEETS	SHEET NO.
	BOND	15	11
MAIN ENTRANCE - GREENVILLE AIRPORT			GR006



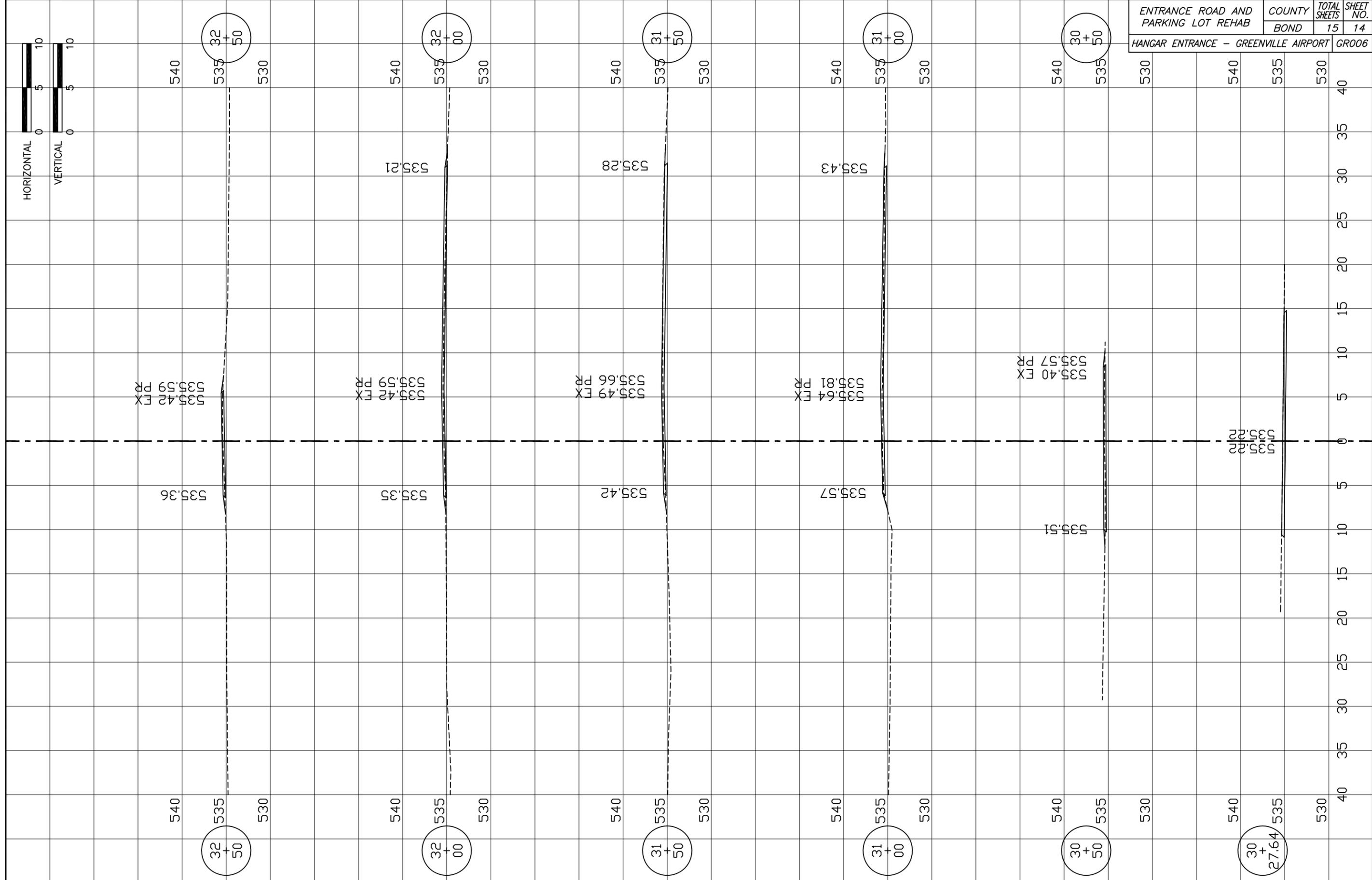
ENTRANCE ROAD AND PARKING LOT REHAB	COUNTY	TOTAL SHEETS	SHEET NO.
	BOND	15	12
MAIN ENTRANCE - GREENVILLE AIRPORT			GR006



ENTRANCE ROAD AND PARKING LOT REHAB	COUNTY	TOTAL SHEETS	SHEET NO.
	BOND	15	13
MAIN PARKING LOT - GREENVILLE AIRPORT			GR006



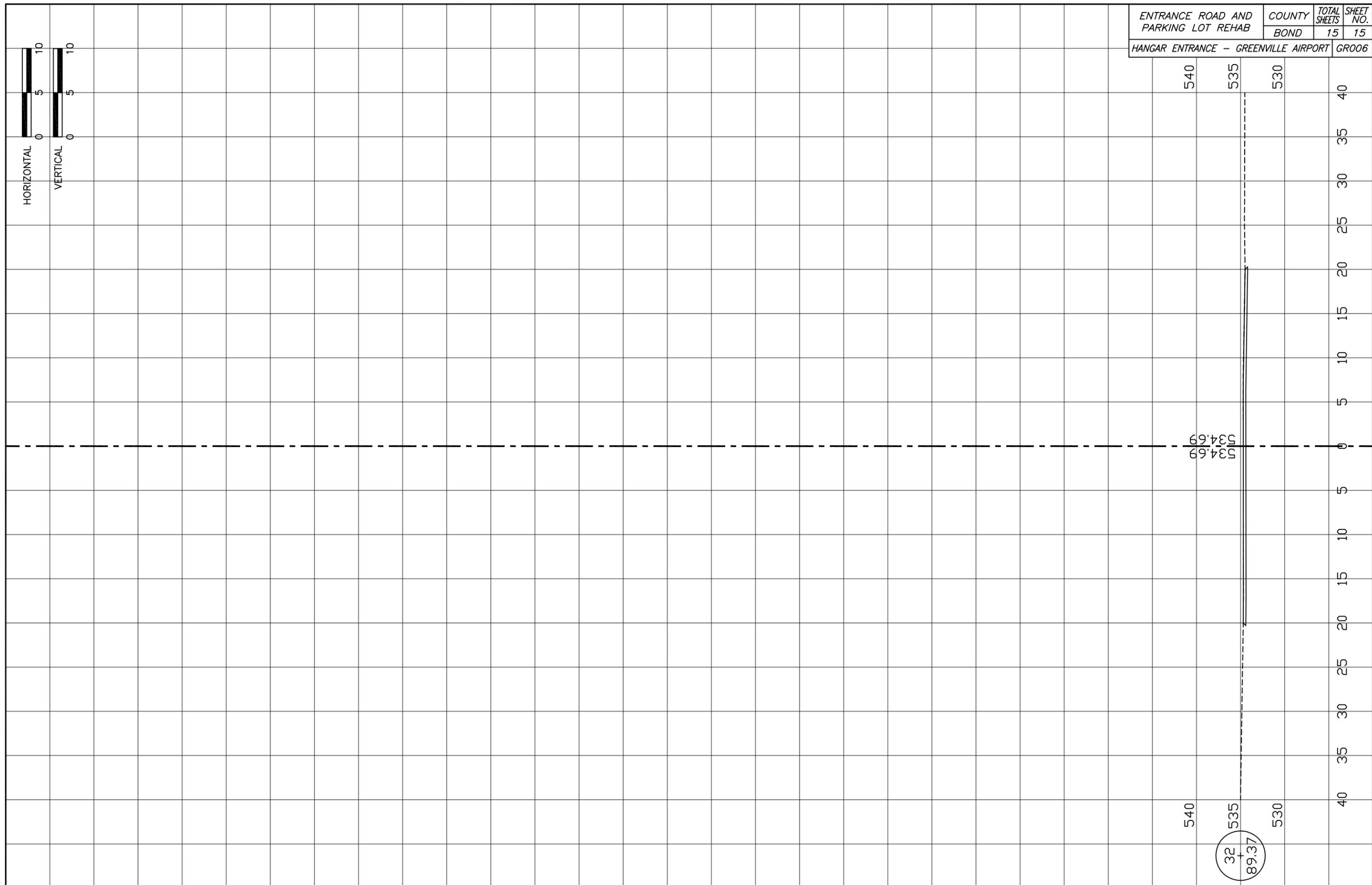
ENTRANCE ROAD AND PARKING LOT REHAB	COUNTY	TOTAL SHEETS	SHEET NO.
	BOND	15	14
HANGAR ENTRANCE - GREENVILLE AIRPORT			GR006



HORIZONTAL  
VERTICAL



ENTRANCE ROAD AND PARKING LOT REHAB	COUNTY	TOTAL SHEETS	SHEET NO.
	BOND	15	15
HANGAR ENTRANCE - GREENVILLE AIRPORT			GRO06



HORIZONTAL

VERTICAL