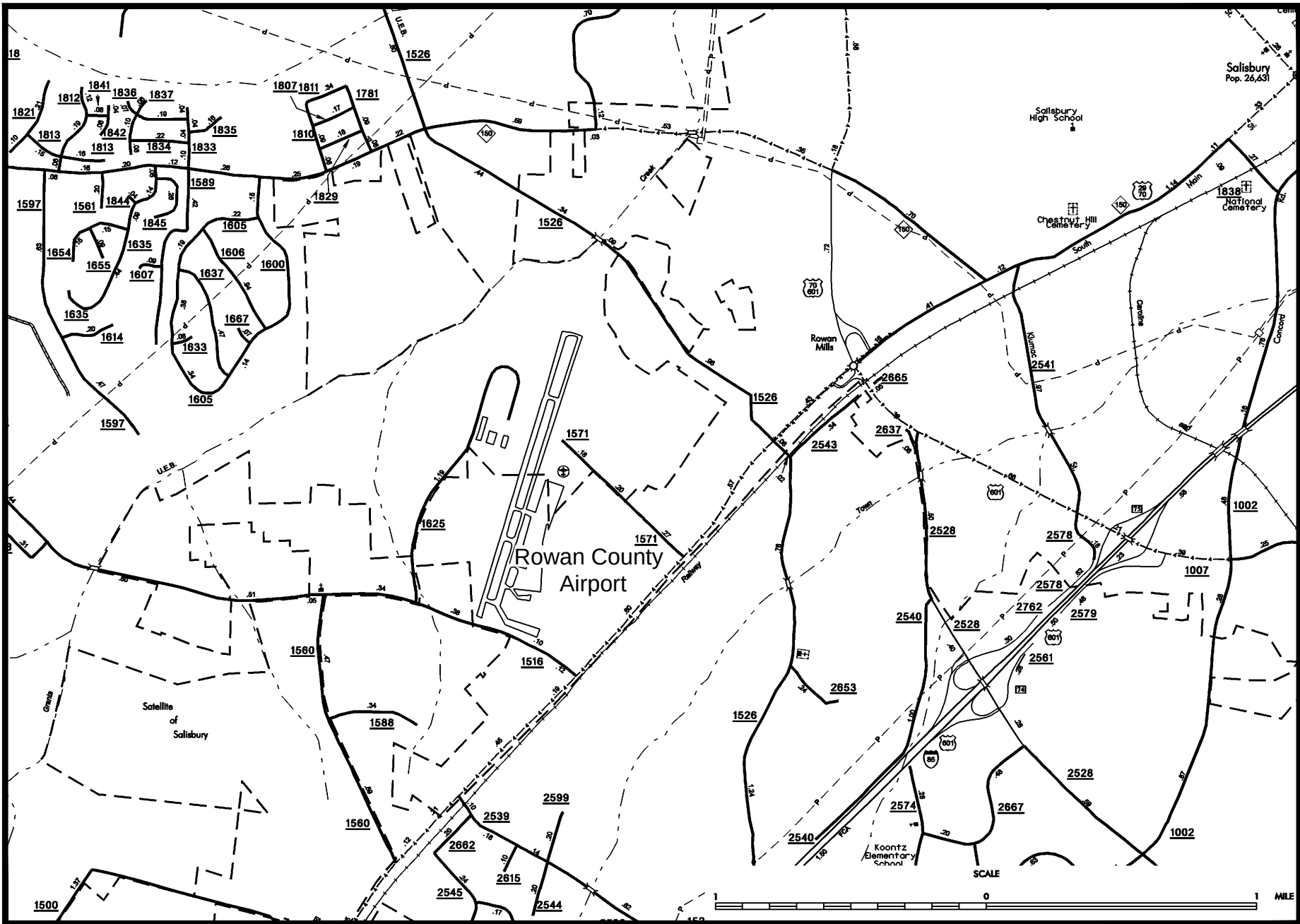


# AIRPORT LAYOUT PLAN

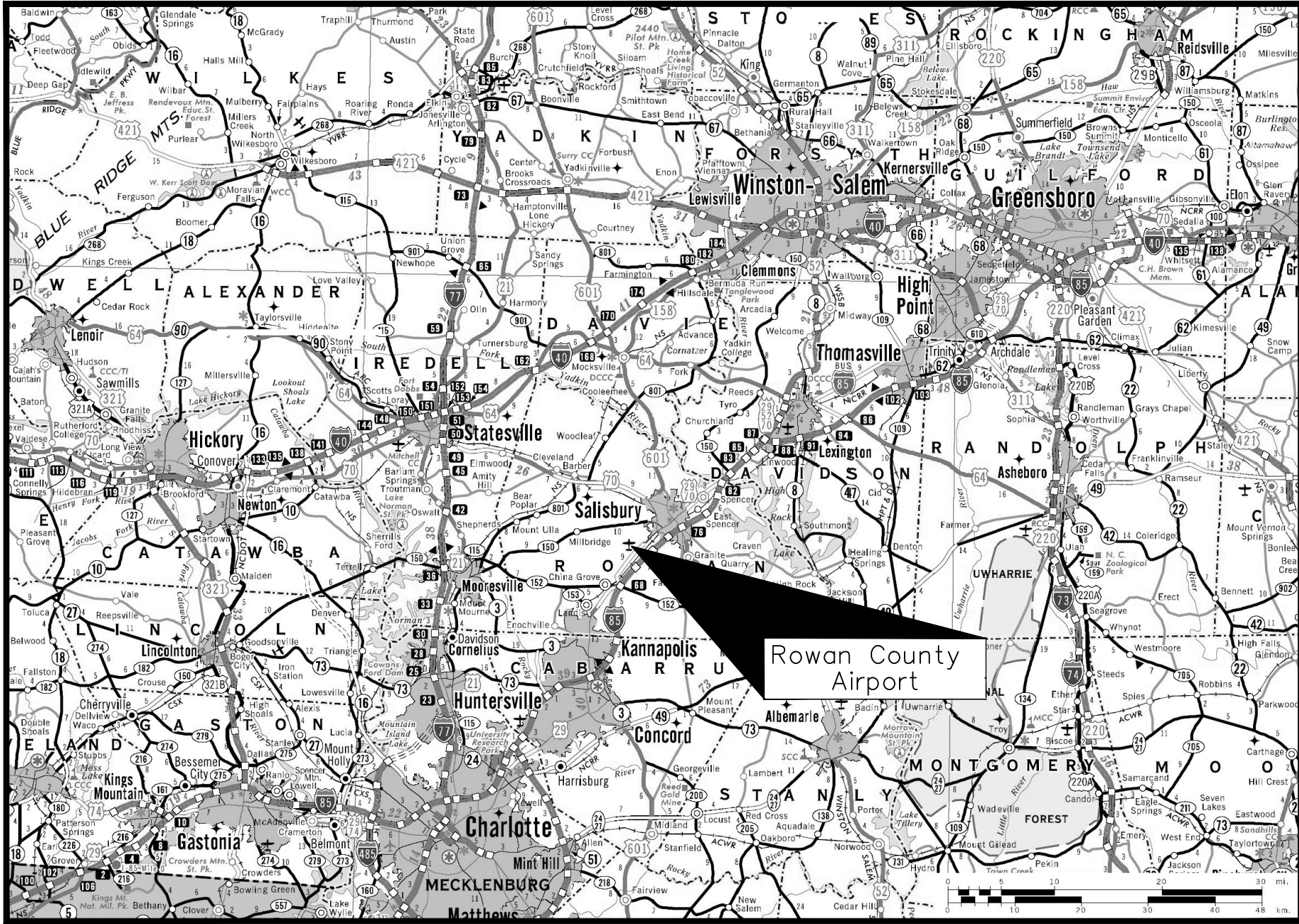
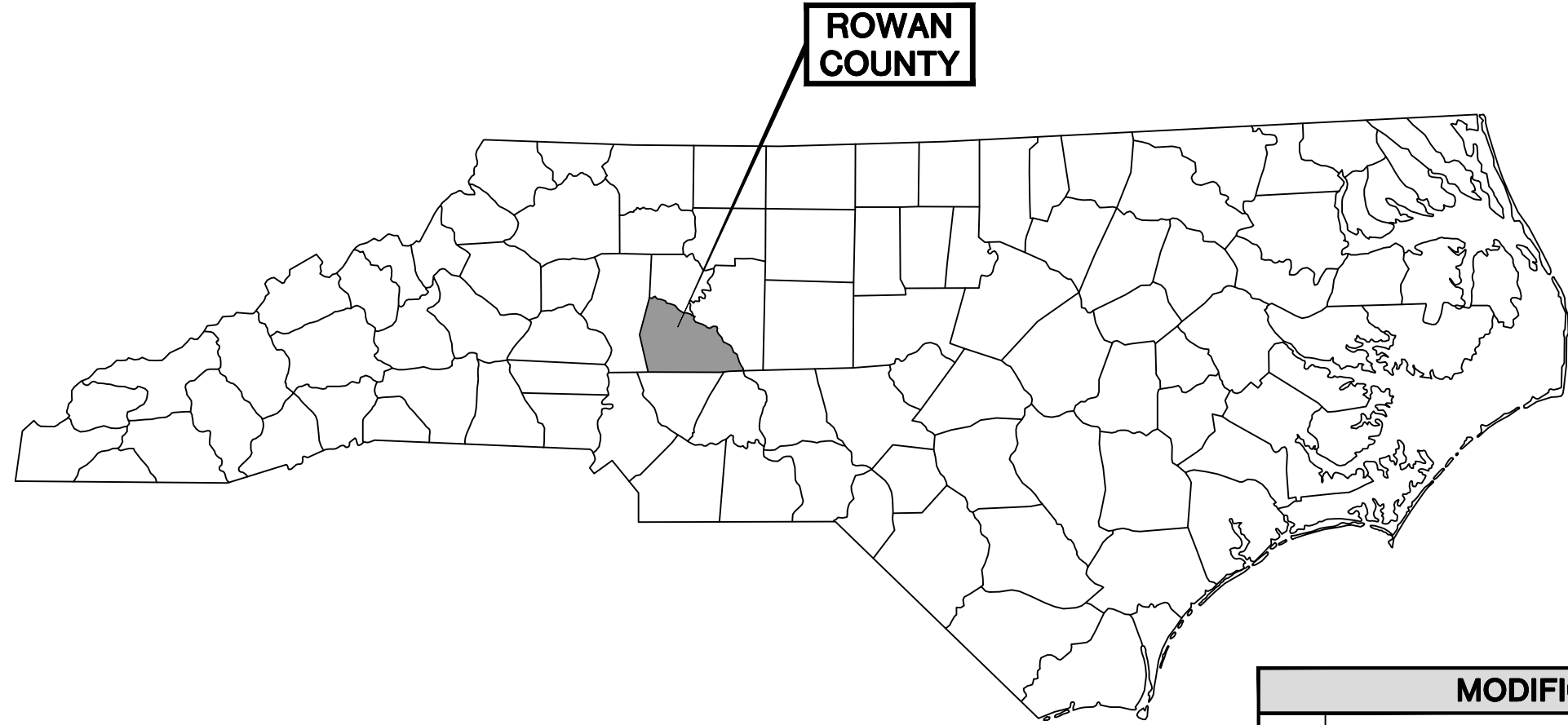
## ROWAN COUNTY AIRPORT SALISBURY, NORTH CAROLINA

F.A.A. PROJECT NO. 36244.56.8.1

OCTOBER 2016



VICINITY MAP  
NOT TO SCALE



SITE MAP  
NOT TO SCALE

| APPROVALS                                                           |           |       |
|---------------------------------------------------------------------|-----------|-------|
| ROWAN COUNTY                                                        |           |       |
| DATE                                                                | SIGNATURE | TITLE |
| FEDERAL AVIATION ADMINISTRATION                                     |           |       |
| DATE                                                                | SIGNATURE | TITLE |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION<br>DIVISION OF AVIATION |           |       |
| DATE                                                                | SIGNATURE | TITLE |

| SHEET INDEX |                                                                                  |
|-------------|----------------------------------------------------------------------------------|
| SHEET NO.   | SHEET TITLE                                                                      |
| 1           | COVER SHEET                                                                      |
| 2           | EXISTING CONDITIONS DRAWING                                                      |
| 3           | AIRPORT LAYOUT PLAN                                                              |
| 4           | TERMINAL AREA PLAN                                                               |
| 5           | RUNWAY 02 INNER APPROACH SURFACE – EXISTING PLAN AND PROFILE                     |
| 6           | RUNWAY 20 INNER APPROACH SURFACE – EXISTING PLAN AND PROFILE                     |
| 7           | RUNWAY 02 INNER APPROACH SURFACE – ULTIMATE PLAN AND PROFILE                     |
| 8           | RUNWAY 20 INNER APPROACH SURFACE – ULTIMATE PLAN AND PROFILE                     |
| 9           | RUNWAY 02-20 INNER APPROACH SURFACE – EXISTING AND ULTIMATE OBSTRUCTION DATA     |
| 10          | RUNWAY 02-20 CENTERLINE – EXISTING AND ULTIMATE PLAN AND PROFILE                 |
| 11          | RUNWAY 02-20 DEPARTURE SURFACE – EXISTING AND ULTIMATE PLAN AND PROFILE OVERVIEW |
| 12          | RUNWAY 02 DEPARTURE SURFACE – EXISTING PLAN VIEW                                 |
| 13          | RUNWAY 02 DEPARTURE SURFACE – EXISTING PROFILE VIEW                              |
| 14          | RUNWAY 20 DEPARTURE SURFACE – EXISTING PLAN AND PROFILE                          |
| 15          | RUNWAY 02 DEPARTURE SURFACE – ULTIMATE PLAN VIEW                                 |
| 16          | RUNWAY 02 DEPARTURE SURFACE – ULTIMATE PROFILE VIEW                              |
| 17          | RUNWAY 20 DEPARTURE SURFACE – ULTIMATE PLAN AND PROFILE                          |
| 18          | RUNWAY 02-20 DEPARTURE SURFACE – EXISTING AND ULTIMATE OBSTRUCTION DATA          |
| 19          | AIRPORT AIRSPACE DRAWING – PART 77 SURFACE                                       |
| 20          | LAND USE PLAN                                                                    |
| 21          | AIRPORT PROPERTY MAP                                                             |

| MODIFICATION TO FAA DESIGN STANDARDS |              |      |
|--------------------------------------|--------------|------|
| NO.                                  | MODIFICATION | DATE |
| 1                                    |              |      |
| 2                                    |              |      |
| 3                                    |              |      |

PRELIMINARY  
NOT RELEASED  
FOR CONSTRUCTION

1 FAA COMMENTS ADDRESSED 07/22/16  
**TALBERT, BRIGHT & ELLINGTON**  
ENGINEERING & PLANNING CONSULTANTS  
3525 WHITEHALL PARK DRIVE, STE 210  
CHARLOTTE, NORTH CAROLINA 28273  
PHONE: 704-426-6070 FAX: 704-426-6080  
NC LICENSE NO. C-1163



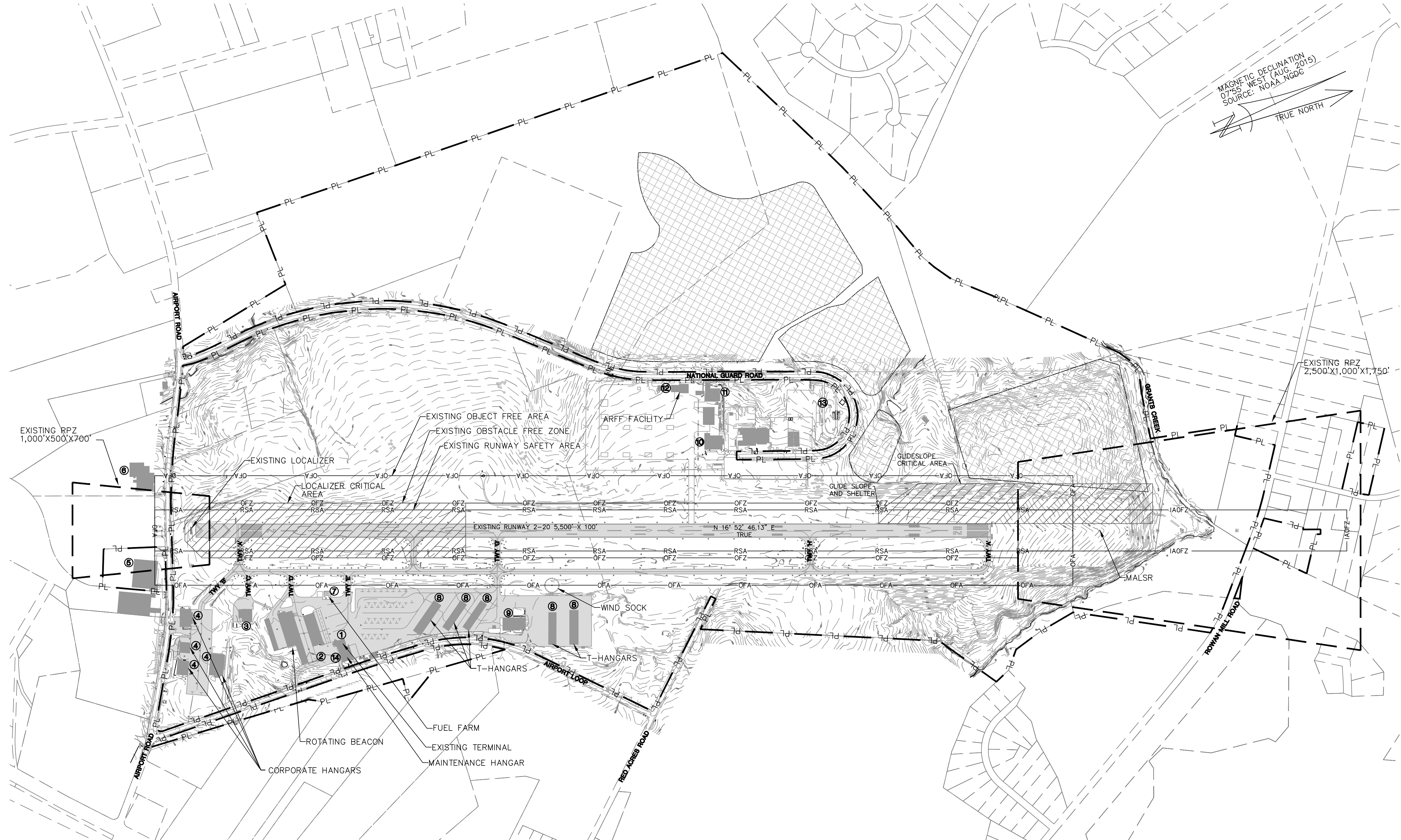
| RUNWAY DATA TABLE                         |                                                                                                         |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------|
| RUNWAY DIMENSIONS                         | 5,500' X 100'                                                                                           |
| RUNWAY DESIGN CODE (RDC)                  | B-II-5000                                                                                               |
| RUNWAY END COORDINATES                    | 02 LAT. N 35° 38' 19.03"<br>LONG. W 80° 31' 23.03"<br>20 LAT. N 35° 39' 11.34"<br>LONG. W 80° 31' 5.88" |
| RUNWAY END ELEVATION                      | 02 770.50'<br>20 766.20'                                                                                |
| RUNWAY HIGH POINT                         | 770.50' MSL                                                                                             |
| RUNWAY LOW POINT                          | 766.20' MSL                                                                                             |
| TOUCHDOWN ZONE ELEVATION (TDZE)           | 02 772.21'<br>20 772.10'                                                                                |
| RSA DIMENSIONS                            | 6,700' X 300'                                                                                           |
| ROFA DIMENSIONS                           | 6,700' X 800'                                                                                           |
| ROFZ DIMENSIONS                           | 5,900' X 400'                                                                                           |
| INNER APPROACH OFZ DIMENSIONS             | 2,400' X 400'                                                                                           |
| PRECISION OFZ DIMENSIONS                  | 200' X 800'                                                                                             |
| FAA PART 77 CATEGORY                      | RWY 02 - NPI<br>RWY 20 - PI                                                                             |
| PART 77 APPROACH SLOPES                   | RWY 02 - 34:1<br>RWY 20 - 50:1                                                                          |
| RUNWAY BLAST PAD                          | 02 100' X 300'<br>20 NONE                                                                               |
| EFFECTIVE GRADIENT (%)                    | 0.078%                                                                                                  |
| ALL WEATHER                               |                                                                                                         |
| PERCENT WIND COVERAGE, (16 KNOTS)         | 99.88%                                                                                                  |
| IFR                                       |                                                                                                         |
| PERCENT WIND COVERAGE, (16 KNOTS)         | 99.98%                                                                                                  |
| INSTRUMENT RUNWAYS                        | RWY 02-GPS<br>RWY 20-GPS, ILS                                                                           |
| PAVEMENT TYPE                             | ASPHALT                                                                                                 |
| PAVEMENT STRENGTH/GEAR CONFIGURATION      | 45,000 lbs SW<br>55,000 lbs DW                                                                          |
| FAR PART 77 APPROACH SURFACES             | 1,000' X 10,000' X 4,000'<br>34:1 RUNWAY 02<br>1,000' X 50,000' X 16,000'<br>50:1/40:1 RUNWAY 20        |
| RUNWAY LIGHTING                           | MIRL                                                                                                    |
| RUNWAY MARKING                            | 02-NPI, 20-PI                                                                                           |
| ELECTRONIC & VISUAL APPROACH AIDS         | 02 PAPI-2, REILS<br>20 PAPI-2, REILS, MALSR                                                             |
| AERONAUTICAL SURVEY REQUIRED FOR APPROACH | VGS                                                                                                     |

NOTE: ALL LATITUDE/LONGITUDE COORDINATES ARE IN NAD 83,  
AND ALL VERTICAL ELEVATIONS ARE IN NAVD 88.

| TAXIWAY DATA TABLE                                         |       |
|------------------------------------------------------------|-------|
| TAXIWAY AND TAXILANE WIDTH                                 | 35'   |
| TAXIWAY EDGE SAFETY MARGIN (TESM)                          | 7.5'  |
| TAXIWAY SHOULDER WIDTH                                     | 15'   |
| TAXIWAY SAFETY AREA                                        | 79'   |
| TAXIWAY OBJECT FREE AREA                                   | 131'  |
| TAXILANE OBJECT FREE AREA                                  | 115'  |
| TAXIWAY LIGHTING                                           | MITL  |
| TAXIWAY SEPARATION                                         |       |
| TAXIWAY CENTERLINE TO PARALLEL TAXIWAY/TAXILANE CENTERLINE | 105'  |
| TAXIWAY CENTERLINE TO FIXED OR MOVEABLE OBJECT             | 65.5' |
| TAXILANE CENTERLINE TO PARALLEL TAXILANE CENTERLINE        | 97'   |
| TAXILANE CENTERLINE TO FIXED OR MOVEABLE OBJECT            | 57.5' |

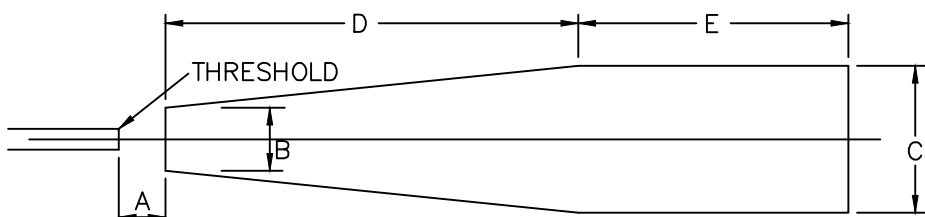
| AIRPORT DATA TABLE                                  |                                                 |
|-----------------------------------------------------|-------------------------------------------------|
| ITEM                                                | EXISTING                                        |
| AIRPORT ELEVATION (MSL)                             | 770.5' MSL                                      |
| AIRPORT REFERENCE POINT (ARP) COORDINATES (NAD 83)  | LAT. N 35° 38' 45.18"<br>LONG. W 80° 31' 13.05" |
| AIRPORT MAGNETIC VARIATION                          | 7° 92' WEST (2015)                              |
| MEAN MAXIMUM DAILY TEMPERATURE HOTTEST MONTH (JULY) | 82° F                                           |
| AIRPORT AND TERMINAL NAVAIDS                        | ILS-CAT I, RWY 20, ROTATING BEACON              |
| AIRPORT REFERENCE CODE (ARC)                        | B-II                                            |
| APPROACH REFERENCE CODE (APRC)                      | B/II/4000, D/II/4000, B/II/2400                 |
| DEPARTURE REFERENCE CODE (DPRC)                     | B/II, D/II                                      |
| AIRPORT CRITICAL AIRCRAFT                           | CITATION XLS                                    |
| NPIAS SERVICE LEVEL                                 | GENERAL AVIATION                                |
| NORTH CAROLINA AIRPORT SERVICE ROLE                 | RED GROUP                                       |
| AIRPORT NAVIGATIONAL AIDS (OWNED BY AIRPORT)        | RWY 20-ILS<br>RWY 02/20-GPS                     |
| MISCELLANEOUS FACILITIES (OWNED BY AIRPORT)         | LIGHTED WIND CONE,<br>AWOS, BEACON              |
| LOCALIZER                                           | LAT. N 35° 38' 15.90"<br>LONG. W 80° 31' 23.33" |
| GUIDE SLOPE                                         | LAT. N 35° 39' 3.83"<br>LONG. W 80° 31' 8.08"   |
| MIDDLE MARKER                                       | LAT. N 35° 39' 36.05"<br>LONG. W 80° 30' 55.19" |

| AIRPORT FACILITIES INDEX |                       |                     |
|--------------------------|-----------------------|---------------------|
| NO.                      | FACILITY              | TOP ELEVATION (MSL) |
| ①                        | TERMINAL BUILDING     | 795'                |
| ②                        | AUTO PARKING          | 760'                |
| ③                        | PAINT HANGAR          | 790'                |
| ④                        | CORPORATE HANGARS     | 778'-800'           |
| ⑤                        | UNITED BEVERAGES      | 787'                |
| ⑥                        | BAJA PRODUCTS, LTD    | -                   |
| ⑦                        | FUEL FARM             | 776'                |
| ⑧                        | T-HANGARS             | 778'-783'           |
| ⑨                        | D & S HANGAR          | 792'                |
| ⑩                        | NATIONAL GUARD HANGAR | 799'                |
| ⑪                        | GUARD H.Q. BUILDING   | 797'                |
| ⑫                        | GUARD ARFF FACILITY   | 785'                |
| ⑬                        | GUARD FUEL FARM       | 749'                |
| ⑭                        | MAINTENANCE HANGAR    | 795'                |



| THRESHOLD SITING REQUIREMENTS |      |      |        |         |    |
|-------------------------------|------|------|--------|---------|----|
| R/W                           | A    | B    | C      | D       | E  |
| 02                            | 200' | 400' | 3,800' | 10,000' | 0' |
| 20                            | 200' | 800' | 3,800' | 10,000' | 0' |

| DEPARTURE SURFACE REQUIREMENTS |    |        |        |         |    |
|--------------------------------|----|--------|--------|---------|----|
| R/W                            | A  | B      | C      | D       | E  |
| 02                             | 0' | 1,000' | 6,466' | 10,200' | 0' |
| 20                             | 0' | 1,000' | 6,466' | 10,200' | 0' |



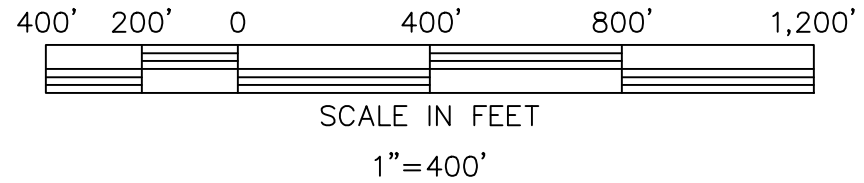
APPROACH ZONE DETAIL  
NOT TO SCALE

| DECLARED DISTANCE TABLE                   |        |
|-------------------------------------------|--------|
| TAKE OFF RUNWAY AVAILABLE (TORA)          | 5,500' |
| TAKE OFF DISTANCE AVAILABLE (TODA)        | 5,500' |
| ACCELERATE STOP DISTANCE AVAILABLE (ASDA) | 5,375' |
| LANDING DISTANCE AVAILABLE (LDA)          | 5,375' |

| EXISTING APPROACH MINIMUMS |                   |
|----------------------------|-------------------|
| RNAV (GPS) RWY 20          | 966' - 1/2 MILE   |
| RNAV (GPS) RWY 2           | 1,094' - 1 MILE   |
| LOC RWY 20                 | 1,360' - 1/2 MILE |
| ILS RWY 20                 | 966' - 1/2 MILE   |
| NDB RWY 20                 | 1,420' - 3/4 MILE |

| RUNWAY PROTECTION ZONES (RPZ) |                               |            |                               |           |                    |                   |
|-------------------------------|-------------------------------|------------|-------------------------------|-----------|--------------------|-------------------|
| RUNWAY                        | INNER WIDTH (W <sub>1</sub> ) | LENGTH (L) | OUTER WIDTH (W <sub>2</sub> ) | RPZ ACRES | PROPERTY OWNERSHIP | APPROACH CATEGORY |
| 02 EXISTING AND ULTIMATE      | 500'                          | 1,000'     | 700'                          | 13.774    | FEE (PARTIAL)      | ALL AIRCRAFT      |
| 20 EXISTING AND ULTIMATE      | 1,000'                        | 2,500'     | 1,750'                        | 78.914    | FEE (PARTIAL)      | ALL AIRCRAFT      |

RPZ NOMENCLATURE (W<sub>1</sub> X L X W<sub>2</sub>)



| LEGEND                               |  |
|--------------------------------------|--|
| EXISTING TREE LINE                   |  |
| ROADS (PAVED)                        |  |
| AIRPORT BUILDINGS / STRUCTURES       |  |
| AIRPORT PAVED AREAS                  |  |
| AIRPORT PROPERTY LINE                |  |
| RUNWAY OBJECT FREE AREA              |  |
| RUNWAY SAFETY AREA                   |  |
| RUNWAY OBSTACLE FREE ZONE            |  |
| RUNWAY PROTECTION ZONE               |  |
| BUILDING RESTRICTION LINE            |  |
| NAVAID CRITICAL AREA                 |  |
| APPROXIMATE LOCATION OF OLD LANDFILL |  |

EXISTING CONDITIONS DRAWING

AIRPORT LAYOUT PLAN UPDATE

ROWAN COUNTY AIRPORT

PRELIMINARY  
NOT RELEASED  
FOR CONSTRUCTION

Designed JEL  
Date NOV. 2015  
Scale 1"=400'  
Drawn MWP  
Checked JAS  
Project No. 3708-1401  
Sheet No.

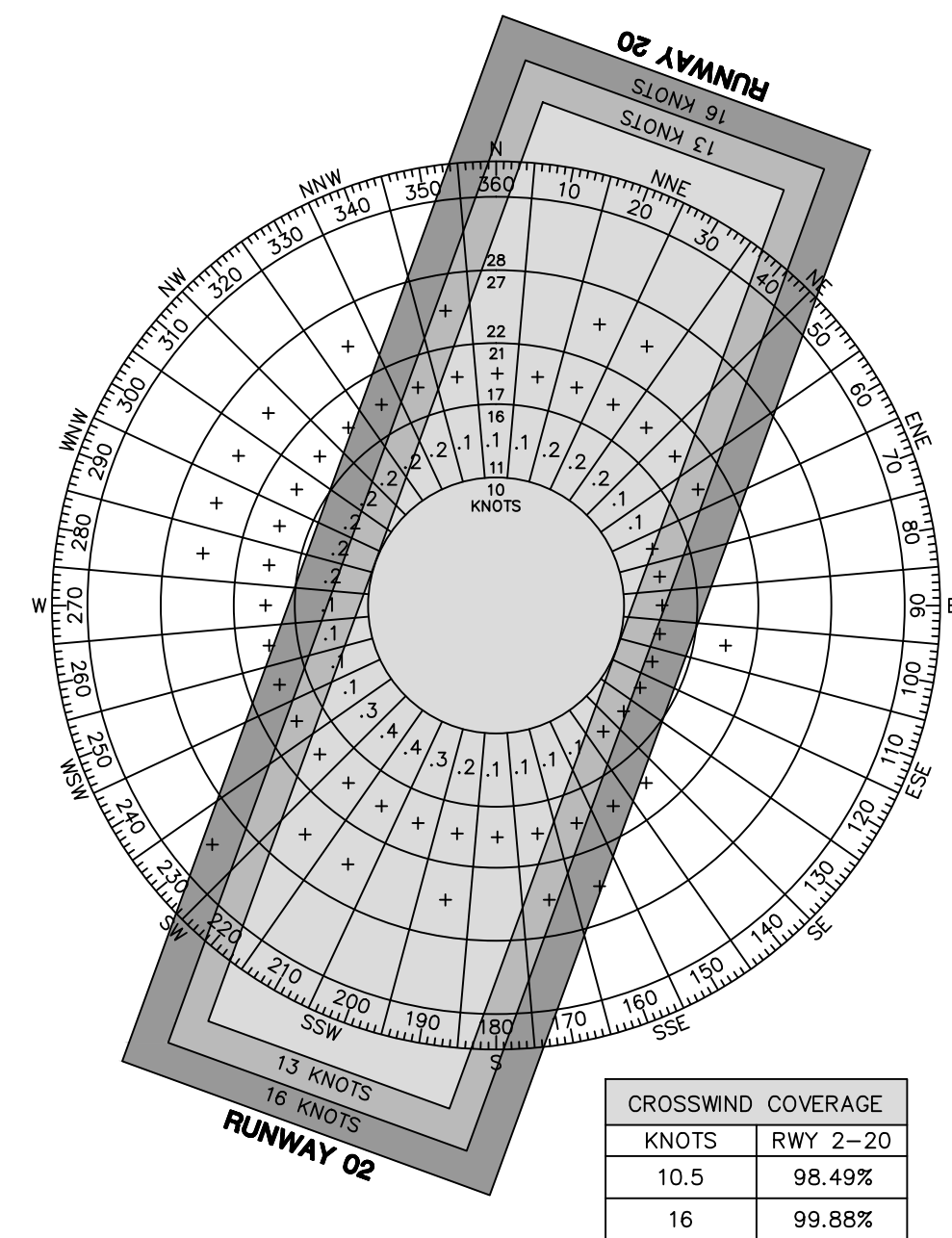
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OF 21

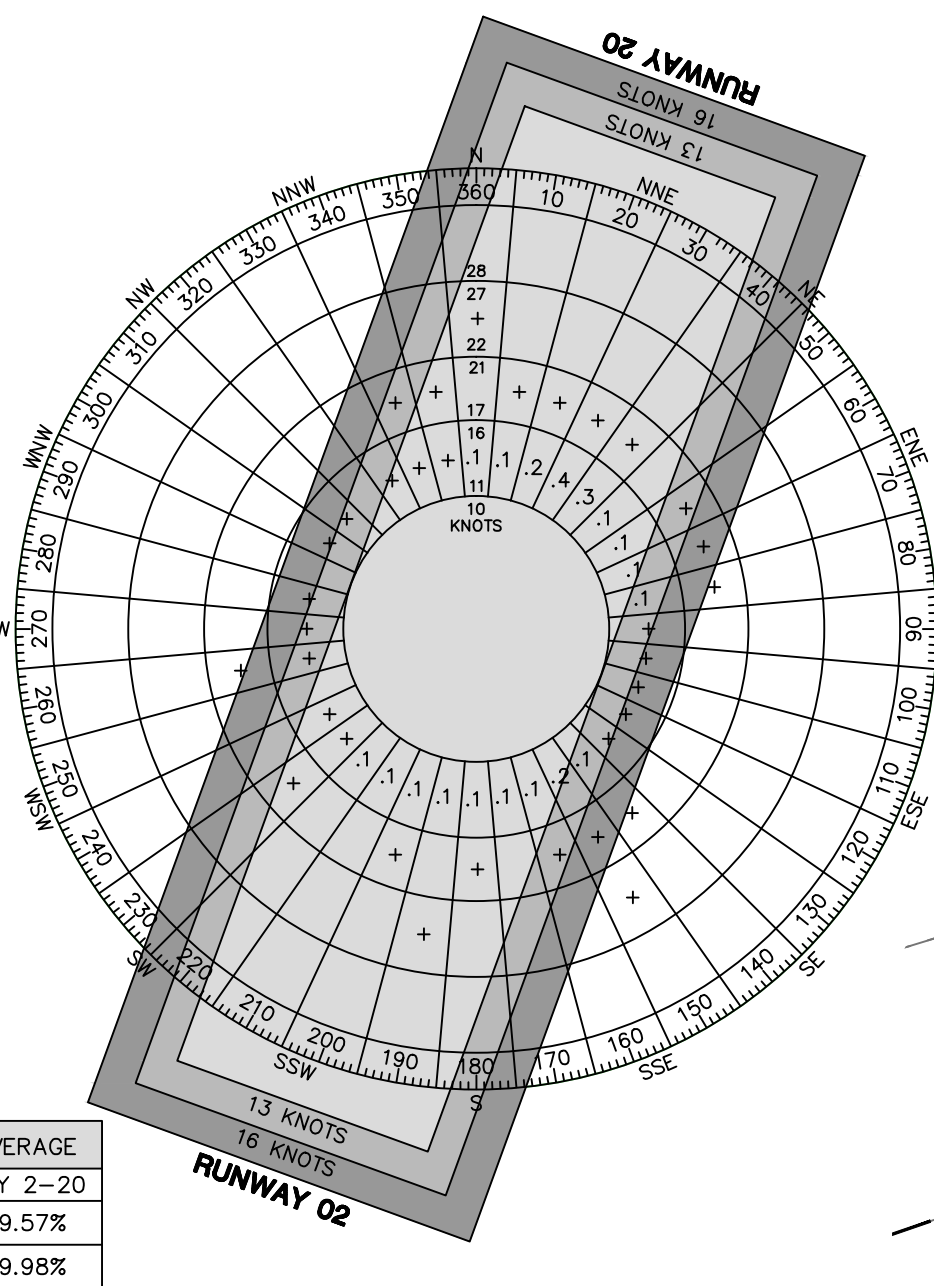
TALBERT, BRIGHT  
& ELLINGTON  
ENGINEERING & PLANNING CONSULTANTS  
352 WHITEHALL PARK DRIVE, STE 210  
CHARLOTTE, NORTH CAROLINA 28273  
PHONE 704-446-6070 FAX 704-446-6080  
NC LICENSE NO. C-1163

| REV. | NO. | DESCRIPTION                     | REVISIONS |
|------|-----|---------------------------------|-----------|
| 1    | 1   | ROWAN COUNTY COMMENTS ADDRESSED |           |
| 2    | 2   | FAA COMMENTS ADDRESSED          |           |
| 3    | 3   | ROWAN COUNTY COMMENTS ADDRESSED |           |
|      |     | DATE                            |           |
|      |     | 10/03/16                        |           |
|      |     | 07/22/16                        |           |
|      |     | 03/03/16                        |           |





**ALL WEATHER WIND ROSE**  
SOURCE: NCDC - FAA WIND DATA  
STATION: ROWAN COUNTY  
AIRPORT  
PERIOD: 2005-2015



**IFR WIND ROSE**  
SOURCE: NCDC - FAA WIND DATA  
STATION: ROWAN COUNTY  
AIRPORT  
PERIOD: 2005-2015

| DEVELOPMENT STAGES |                 |
|--------------------|-----------------|
| PHASE I            | 1 TO 5 YEARS    |
| PHASE II           | 6 TO 10 YEARS   |
| PHASE III          | 11 TO 20 YEARS  |
| FUTURE             | BEYOND 20 YEARS |

| EXISTING APPROACH MINIMUMS |                   |
|----------------------------|-------------------|
| RNAV (GPS) RWY 20          | 966' - 1/2 MILE   |
| RNAV (GPS) RWY 2           | 1,094' - 1 MILE   |
| LOC RWY 20                 | 1,360' - 1/2 MILE |
| ILS RWY 20                 | 966' - 1/2 MILE   |
| NDB RWY 20                 | 1,420' - 3/4 MILE |

| RUNWAY PROTECTION ZONES (RPZ) |                               |            |                               |           |                    |
|-------------------------------|-------------------------------|------------|-------------------------------|-----------|--------------------|
| RUNWAY                        | INNER WIDTH (W <sub>1</sub> ) | LENGTH (L) | OUTER WIDTH (W <sub>2</sub> ) | RPZ ACRES | PROPERTY OWNERSHIP |
| 02 EXISTING AND ULTIMATE      | 500'                          | 1,000'     | 700'                          | 13.774    | FEE (PARTIAL)      |
| 20 EXISTING AND ULTIMATE      | 1,000'                        | 2,500'     | 1,750'                        | 78.914    | FEE (PARTIAL)      |

RPZ NOMENCLATURE (W<sub>1</sub> X L X W<sub>2</sub>)

| SURVEY MONUMENT DATA |                   |            |              |
|----------------------|-------------------|------------|--------------|
| NO.                  | NAME              | NORTHING   | EASTING      |
| 1                    | NCGS SALSPOINT    | 691,118.44 | 1,547,839.86 |
| 2                    | NCGS RUQ "A"      | 692,563.83 | 1,547,809.67 |
| 3                    | NCGS SALSPOINT AZ | 693,767.61 | 1,547,575.01 |

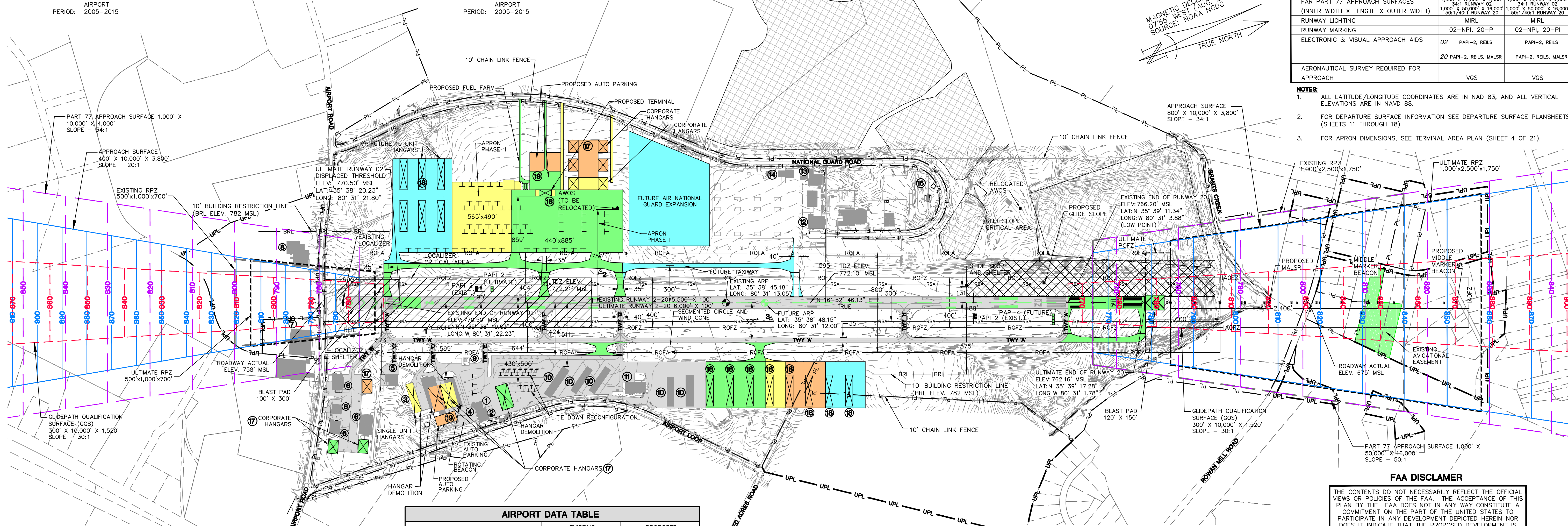
| AIRPORT FACILITIES INDEX |                                              |                     |
|--------------------------|----------------------------------------------|---------------------|
| NO.                      | FACILITY                                     | TOP ELEVATION (MSL) |
| 1                        | EXISTING TERMINAL BUILDING                   | 795'                |
| 2                        | EXISTING MAINTENANCE HANGAR                  | 795'                |
| 3                        | PROPOSED SINGLE UNIT HANGARS                 | -                   |
| 4                        | EXISTING AUTO PARKING                        | 760'                |
| 5                        | EXISTING PAINT HANGAR                        | 790'                |
| 6                        | EXISTING CORPORATE HANGARS                   | 778'-800'           |
| 7                        | EXISTING UNITED BEVERAGES (TO BE REMOVED)    | 787'                |
| 8                        | EXISTING BAJA PRODUCTS, LTD. (TO BE REMOVED) | -                   |
| 9                        | EXISTING FUEL FARM                           | 776'                |
| 10                       | EXISTING T-HANGARS                           | 779'-783'           |
| 11                       | EXISTING D & S HANGAR                        | 792'                |
| 12                       | NATIONAL GUARD HANGAR                        | 799'                |
| 13                       | EXISTING BAJA PRODUCTS, LTD. BUILDING        | 797'                |
| 14                       | EXISTING GUARD ARFF FACILITY                 | 785'                |
| 15                       | EXISTING GUARD FUEL FARM                     | 749'                |
| 16                       | PROPOSED G.A. TERMINAL                       | -                   |
| 17                       | PROPOSED CORPORATE HANGARS                   | -                   |
| 18                       | PROPOSED T-HANGARS                           | NOT TO EXCEED 782'  |
| 19                       | PROPOSED AUTO PARKING                        | -                   |
| 20                       | PROPOSED CORPORATE HANGARS (REPLACEMENT)     | -                   |

| DECLARED DISTANCE TABLE                   |           |          |           |
|-------------------------------------------|-----------|----------|-----------|
|                                           | RUNWAY 02 |          | RUNWAY 20 |
|                                           | EXISTING  | ULTIMATE |           |
| TAKE OFF RUNWAY AVAILABLE (TORA)          | 5,500'    | 6,125'   | 5,375'    |
| TAKE OFF DISTANCE AVAILABLE (TODA)        | 5,500'    | 6,125'   | 5,375'    |
| ACCELERATE STOP DISTANCE AVAILABLE (ASDA) | 5,500'    | 6,125'   | 5,375'    |
| LANDING DISTANCE AVAILABLE (LDA)          | 5,375'    | 6,000'   | 5,375'    |

MAGNETIC DECLINATION  
OF 15° WEST (AUG. 2015)  
SOURCE: NOAA NGDC

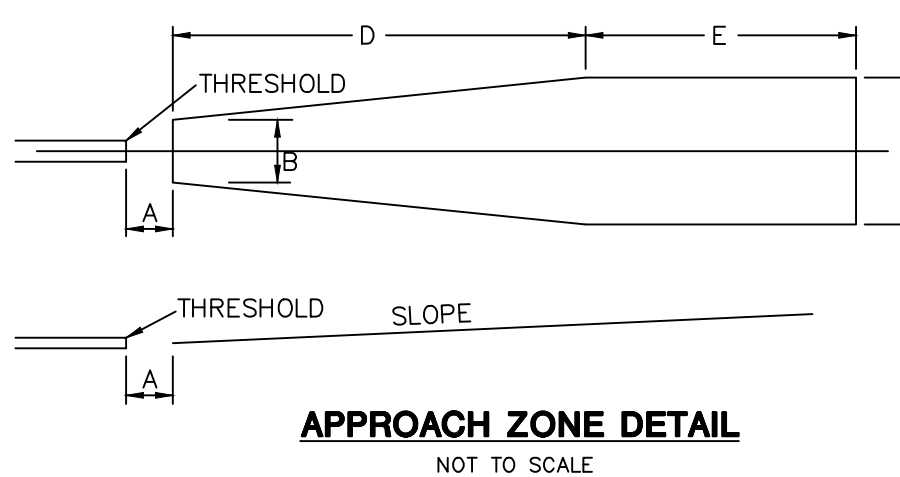
| RUNWAY DATA TABLE                                                  |                                                 |                                                 |
|--------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| ITEM                                                               | EXISTING                                        | ULTIMATE                                        |
| RUNWAY DIMENSIONS                                                  | 5,500' X 100'                                   | 6,000' X 100'                                   |
| RUNWAY DESIGN CODE (RDC)                                           | B-II-5000                                       | B-II-5000                                       |
| RUNWAY END COORDINATES                                             | 02 LAT. N 35° 38' 19.03" LONG. W 80° 31' 22.23" | 02 LAT. N 35° 38' 20.23" LONG. W 80° 31' 21.80" |
| RUNWAY END ELEVATION                                               | 02 770.50'                                      | 770.50'                                         |
| RUNWAY HIGH POINT                                                  | 770.50' MSL                                     | 770.50' MSL                                     |
| RUNWAY LOW POINT                                                   | 766.20' MSL                                     | 762.16' MSL                                     |
| TOUCHDOWN ZONE ELEVATION (TDZE)                                    | 02 772.21'                                      | 772.21'                                         |
| RSA DIMENSIONS                                                     | 6,700' X 300'                                   | 7,200' X 300'                                   |
| ROFA DIMENSIONS                                                    | 6,700' X 800'                                   | 7,200' X 800'                                   |
| ROFZ DIMENSIONS                                                    | 5,900' X 400'                                   | 6,400' X 400'                                   |
| INNER APPROACH OFZ DIMENSIONS                                      | 2,400' X 400'                                   | 2,400' X 400'                                   |
| PRECISION OFZ DIMENSIONS                                           | 200' X 800'                                     | 200' X 800'                                     |
| FAA PART 77 CATEGORY                                               | RWY 02 - NPI                                    | RWY 02 - NPI                                    |
| PART 77 APPROACH SLOPES                                            | RWY 02 - 34:1                                   | RWY 02 - 34:1                                   |
| RUNWAY BLAST PAD                                                   | 02 100' X 300'                                  | 100' X 425'                                     |
| EFFECTIVE GRADIENT (%)                                             | 0.078%                                          | 0.136%                                          |
| ALL WEATHER                                                        | 99.88%                                          | 99.88%                                          |
| PERCENT WIND COVERAGE, (16 KNOTS)                                  | 99.88%                                          | 99.88%                                          |
| IFR                                                                | 99.98%                                          | 99.98%                                          |
| PERCENT WIND COVERAGE, (16 KNOTS)                                  | 99.98%                                          | 99.98%                                          |
| INSTRUMENT RUNWAYS                                                 | RWY 02-GPS                                      | RWY 02-GPS                                      |
| PAVEMENT TYPE                                                      | ASPHALT                                         | ASPHALT                                         |
| PAVEMENT STRENGTH/GEAR CONFIGURATION                               | 45,000 lbs SW                                   | 45,000 lbs SW                                   |
| SW = SINGLE WHEEL DW = DUAL WHEEL                                  | 55,000 lbs DW                                   | 55,000 lbs DW                                   |
| FAR PART 77 APPROACH SURFACES (INNER WIDTH X LENGTH X OUTER WIDTH) | 1,000' X 10,000' X 4,000'                       | 1,000' X 10,000' X 4,000'                       |
| RUNWAY LIGHTING                                                    | MIRL                                            | MIRL                                            |
| RUNWAY MARKING                                                     | 02-NPI, 20-PI                                   | 02-NPI, 20-PI                                   |
| ELECTRONIC & VISUAL APPROACH AIDS                                  | 02 PAPI-2, RELS, MALSR                          | PAPI-2, RELS, MALSR                             |
| AERONAUTICAL SURVEY REQUIRED FOR APPROACH                          | VGS                                             | VGS                                             |

- NOTES:**
- ALL LATITUDE/LONGITUDE COORDINATES ARE IN NAD 83, AND ALL VERTICAL ELEVATIONS ARE IN NAVD 88.
  - FOR DEPARTURE SURFACE INFORMATION SEE DEPARTURE SURFACE PLANSHEETS (SHEETS 11 THROUGH 18).
  - FOR APRON DIMENSIONS, SEE TERMINAL AREA PLAN (SHEET 4 OF 21).



| THRESHOLD SITING REQUIREMENTS |      |      |        |         |       |
|-------------------------------|------|------|--------|---------|-------|
| R/W                           | A    | B    | C      | D       | SLOPE |
| 02                            | 200' | 400' | 3,800' | 10,000' | 0'    |
| 20                            | 200' | 800' | 3,800' | 10,000' | 0'    |

| DEPARTURE SURFACE REQUIREMENTS |    |        |        |         |       |
|--------------------------------|----|--------|--------|---------|-------|
| R/W                            | A  | B      | C      | D       | SLOPE |
| 02                             | 0' | 1,000' | 6,466' | 10,200' | 0'    |
| 20                             | 0' | 1,000' | 6,466' | 10,200' | 0'    |

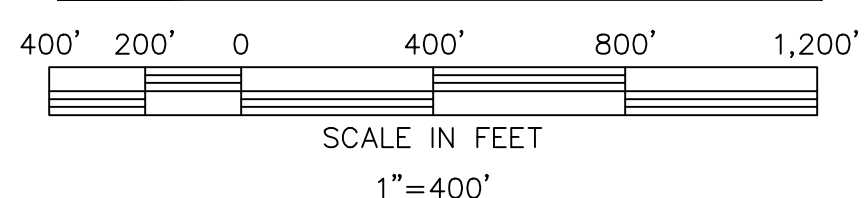


| AIRPORT DATA TABLE                                 |                                                                   |                                              |
|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------|
| ITEM                                               | EXISTING                                                          | PROPOSED                                     |
| AIRPORT ELEVATION (MSL)                            | 770.5' MSL                                                        | 770.5' MSL                                   |
| AIRPORT REFERENCE POINT (ARP) COORDINATES (NAD 83) | LAT. N 35° 38' 45.18" LONG. W 80° 31' 13.05"                      | LAT. N 35° 38' 48.15" LONG. W 80° 31' 12.00" |
| AIRPORT MAGNETIC VARIATION                         | 7° 32' WEST (2015)                                                | TO BE DETERMINED                             |
| MEAN MAXIMUM DAILY TEMPERATURE                     | 82° F                                                             | 82° F                                        |
| AIRPORT AND TERMINAL NAVIGATION                    | ILS-CAT I, RNAV, ARRS, ROTATING BEACON                            | ILS-CAT I, RNAV, ARRS, ROTATING BEACON       |
| AIRPORT REFERENCE CODE (ARC)                       | B-II                                                              | B-II                                         |
| APPROACH REFERENCE CODE (APRC)                     | B/II/4000, D/II/4000, B/II/2400B, B/II/4000, D/II/4000, B/II/2400 | B/II, D/II                                   |
| DEPARTURE REFERENCE CODE (DPRC)                    | B/II, D/II                                                        | B/II, D/II                                   |
| AIRPORT CRITICAL AIRCRAFT                          | CITATION XLS                                                      | CITATION XLS+                                |
| NPIAS SERVICE LEVEL                                | GENERAL AVIATION                                                  | GENERAL AVIATION                             |
| NORTH CAROLINA AIRPORT SERVICE ROLE                | RED GROUP                                                         | RED GROUP                                    |
| AIRPORT NAVIGATIONAL AIDS (OWNED BY AIRPORT)       | RWY 20-ILS, NDB RWY 02/20-GPS                                     | RWY 20-ILS, NDB RWY 02/20-GPS                |
| MISCELLANEOUS FACILITIES (OWNED BY AIRPORT)        | LIGHTED WIND CONE, AWOS, BEACON                                   | LIGHTED WIND CONE, AWOS, BEACON              |
| LOCALIZER                                          | LAT. N 35° 38' 15.90" LONG. W 80° 31' 23.33"                      | LAT. N 35° 38' 15.90" LONG. W 80° 31' 23.33" |
| GLIDE SLOPE                                        | LAT. N 35° 39' 3.83" LONG. W 80° 31' 8.08"                        | LAT. N 35° 39' 9.82" LONG. W 80° 31' 6.29"   |
| MIDDLE MARKER                                      | LAT. N 35° 39' 36.05" LONG. W 80° 30' 55.19"                      | LAT. N 35° 39' 41.04" LONG. W 80° 30' 53.41" |

| TAXIWAY DATA TABLE                                         |          |          |
|------------------------------------------------------------|----------|----------|
| ITEM                                                       | EXISTING | ULTIMATE |
| TAXIWAY DESIGN GROUP                                       | 2        | 2        |
| TAXIWAY AND TAXILANE WIDTH                                 | 35'      | 35'      |
| TAXIWAY EDGE SAFETY MARGIN (TESM)                          | 7.5'     | 7.5'     |
| TAXIWAY SHOULDER WIDTH                                     | 15'      | 15'      |
| TAXIWAY SAFETY AREA                                        | 79'      | 79'      |
| TAXIWAY OBJECT FREE AREA                                   | 131'     | 131'     |
| TAXILANE OBJECT FREE AREA                                  | 115'     | 115'     |
| TAXIWAY LIGHTING                                           | MITL     | MITL     |
| TAXIWAY SEPARATION                                         |          |          |
| TAXIWAY CENTERLINE TO PARALLEL TAXIWAY/TAXILANE CENTERLINE | 105'     | 105'     |
| TAXIWAY CENTERLINE TO FIXED OR MOVEABLE OBJECT             | 65.5'    | 65.5'    |
| TAXILANE CENTERLINE TO PARALLEL TAXILANE CENTERLINE        | 97'      | 97'      |
| TAXILANE CENTERLINE TO FIXED OR MOVEABLE OBJECT            | 57.5'    | 57.5'    |

| LEGEND                                  |                                             |          |
|-----------------------------------------|---------------------------------------------|----------|
| ITEM                                    | EXISTING                                    | PROPOSED |
| GROUND CONTOURS                         |                                             |          |
| WOODED AREA                             |                                             |          |
| ROADS (UNPAVED)                         |                                             |          |
| ROADS (PAVED)                           |                                             |          |
| BUILDINGS / STRUCTURES                  |                                             |          |
| AIRPORT PAVED AREAS                     |                                             |          |
| AIRPORT PAVED AREAS                     |                                             |          |
| AIRPORT PROPERTY LINE (PL)              | PL                                          | UPL      |
| AIRPORT BUILDING RESTRICTION LINE (BRL) | BRL                                         | BRL      |
| RUNWAY OBJECT FREE AREA (OFA)           | OFA                                         | UOFA     |
| RUNWAY OBJECT FREE ZONE (OFZ)           | ROFZ                                        | UOFZ     |
| RUNWAY SAFETY AREA (RSA)                | RSA                                         | RSA      |
| AIRPORT REFERENCE POINT (ARP)           |                                             |          |
| SURVEY MONUMENTS                        |                                             |          |
| MODIFICATIONS TO FAA DESIGN STANDARDS   |                                             |          |
| NO.                                     | MODIFICATION                                | DATE     |
| 1                                       | TAXIWAY, RUNWAY CENTERLINES SEPARATION=300' |          |
| 2                                       | T-HANGAR BUILDINGS PENETRATE TRANS. SURFACE |          |
| 3                                       | CAT C & D APPROACH MINIMA                   |          |

**FAA DISCLAIMER**  
THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICIES OF THE FAA. THE ACCEPTANCE OF THIS PLAN BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS.



| APPROVALS                                                        |           |       |
|------------------------------------------------------------------|-----------|-------|
| ROWAN COUNTY                                                     |           |       |
| DATE                                                             | SIGNATURE | TITLE |
| FEDERAL AVIATION ADMINISTRATION                                  |           |       |
| DATE                                                             | SIGNATURE | TITLE |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF AVIATION |           |       |
| DATE                                                             | SIGNATURE | TITLE |

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NC LICENSE NO. C-1163

|          |                                 |             |           |
|----------|---------------------------------|-------------|-----------|
| 10/03/16 | ROWAN COUNTY COMMENTS ADDRESSED | 10/03/16    | REVISIONS |
| 09/13/16 | NDODA COMMENTS ADDRESSED        | 07/22/16    |           |
| 07/22/16 | FAA COMMENTS ADDRESSED          | 04/05/16    |           |
| 04/05/16 | NDODA COMMENTS ADDRESSED        | 03/03/16    |           |
| 03/03/16 | NDODA COMMENTS ADDRESSED        |             |           |
| REV.     | NO.                             | DESCRIPTION |           |

**AIRPORT LAYOUT PLAN**

**AIRPORT LAYOUT PLAN UPDATE**

**ROWAN COUNTY AIRPORT**

**PRELIMINARY**  
NOT RELEASED FOR CONSTRUCTION

Designed JEL

Date NOV. 2015

Scale 1"=400'

Drawn MWP

Checked JAS

Project No. 3708-1401

Sheet No. 3

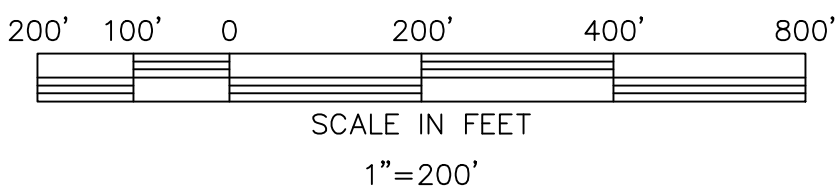
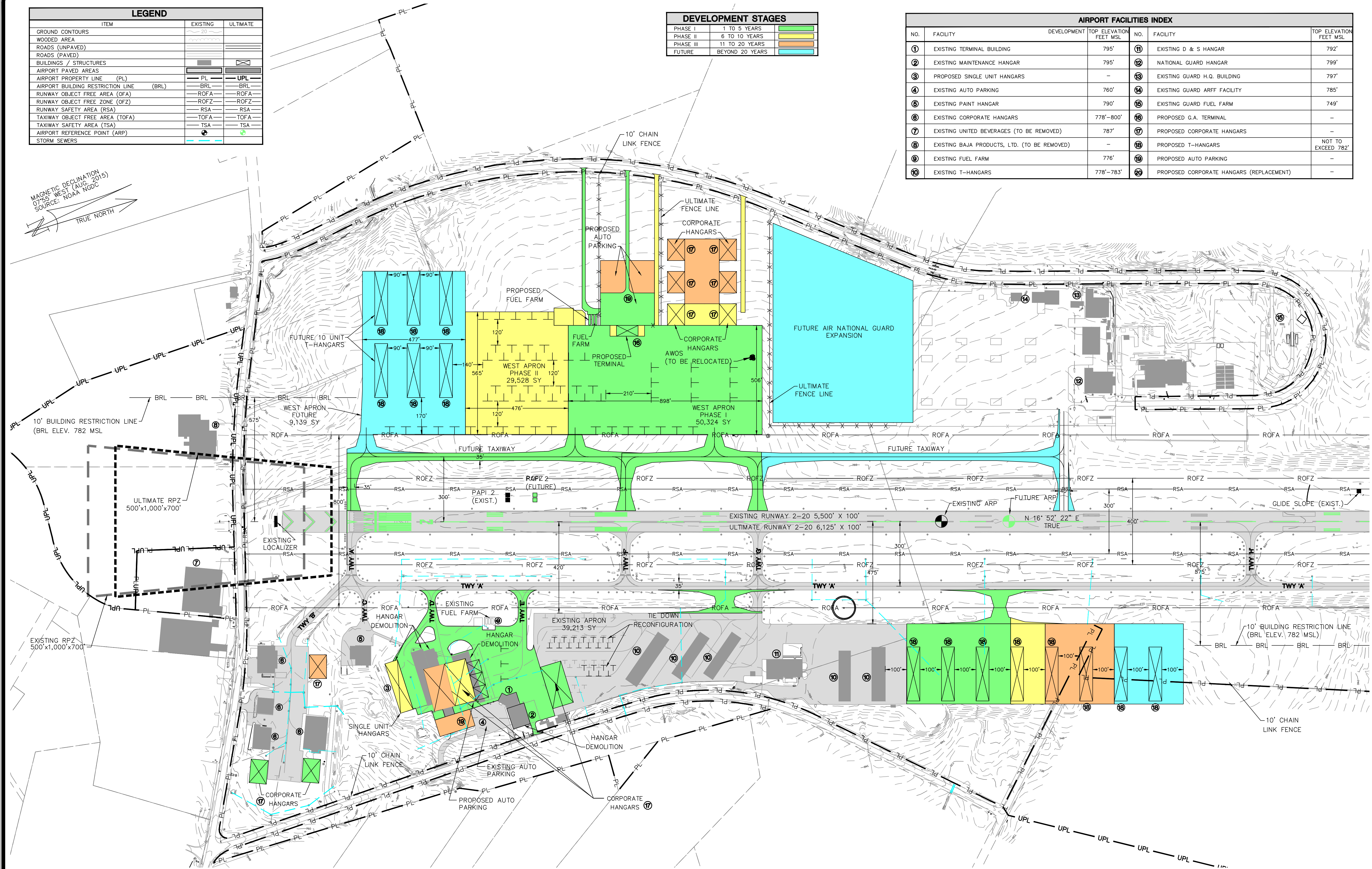
OF 21



| LEGEND                                  |          |          |
|-----------------------------------------|----------|----------|
| ITEM                                    | EXISTING | ULTIMATE |
| GROUND CONTOURS                         | 20'      |          |
| WOODED AREA                             |          |          |
| ROADS (UNPAVED)                         |          |          |
| ROADS (PAVED)                           |          |          |
| BUILDINGS / STRUCTURES                  |          |          |
| AIRPORT PAVED AREAS                     |          |          |
| AIRPORT PROPERTY LINE (PL)              | PL       | UPL      |
| AIRPORT BUILDING RESTRICTION LINE (BRL) | BRL      |          |
| RUNWAY OBJECT FREE AREA (OFA)           | ROFA     | ROFA     |
| RUNWAY OBJECT FREE ZONE (OFZ)           | ROFZ     | ROFZ     |
| RUNWAY SAFETY AREA (RSA)                | RSA      | RSA      |
| TAXIWAY OBJECT FREE AREA (TOFA)         | TOFA     | TOFA     |
| TAXIWAY SAFETY AREA (TSA)               | TSA      | TSA      |
| AIRPORT REFERENCE POINT (ARP)           |          |          |
| STORM SEWERS                            |          |          |

| DEVELOPMENT STAGES |                 |  |
|--------------------|-----------------|--|
| PHASE I            | 1 TO 5 YEARS    |  |
| PHASE II           | 6 TO 10 YEARS   |  |
| PHASE III          | 11 TO 20 YEARS  |  |
| FUTURE             | BEYOND 20 YEARS |  |

| AIRPORT FACILITIES INDEX |                                              |             |                           |     |                                          |                           |
|--------------------------|----------------------------------------------|-------------|---------------------------|-----|------------------------------------------|---------------------------|
| NO.                      | FACILITY                                     | DEVELOPMENT | TOP ELEVATION<br>FEET MSL | NO. | FACILITY                                 | TOP ELEVATION<br>FEET MSL |
| ①                        | EXISTING TERMINAL BUILDING                   |             | 795'                      | ⑪   | EXISTING D & S HANGAR                    | 792'                      |
| ②                        | EXISTING MAINTENANCE HANGAR                  |             | 795'                      | ⑫   | NATIONAL GUARD HANGAR                    | 799'                      |
| ③                        | PROPOSED SINGLE UNIT HANGARS                 |             | —                         | ⑬   | EXISTING GUARD H.Q. BUILDING             | 797'                      |
| ④                        | EXISTING AUTO PARKING                        |             | 760'                      | ⑭   | EXISTING GUARD ARFF FACILITY             | 785'                      |
| ⑤                        | EXISTING PAINT HANGAR                        |             | 790'                      | ⑮   | EXISTING GUARD FUEL FARM                 | 749'                      |
| ⑥                        | EXISTING CORPORATE HANGARS                   |             | 778'—800'                 | ⑯   | PROPOSED G.A. TERMINAL                   | —                         |
| ⑦                        | EXISTING UNITED BEVERAGES (TO BE REMOVED)    |             | 787'                      | ⑰   | PROPOSED CORPORATE HANGARS               | —                         |
| ⑧                        | EXISTING BAJA PRODUCTS, LTD. (TO BE REMOVED) |             | —                         | ⑱   | PROPOSED T—HANGARS                       | NOT TO<br>EXCEED 782'     |
| ⑨                        | EXISTING FUEL FARM                           |             | 776'                      | ⑲   | PROPOSED AUTO PARKING                    | —                         |
| ⑩                        | EXISTING T—HANGARS                           |             | 778'—783'                 | ⑳   | PROPOSED CORPORATE HANGARS (REPLACEMENT) | —                         |



| EXISTING AND ULTIMATE APRON |           |
|-----------------------------|-----------|
| EXISTING APRON              | 39,213 SY |
| ULTIMATE APRON - PHASE I    | 50,324 SY |
| ULTIMATE APRON - PHASE II   | 29,528 SY |
| FUTURE APRON                | 40,010 SY |

TERMINAL AREA PLAN

AIRPORT LAYOUT PLAN UPDATE

ROWAN COUNTY AIRPORT

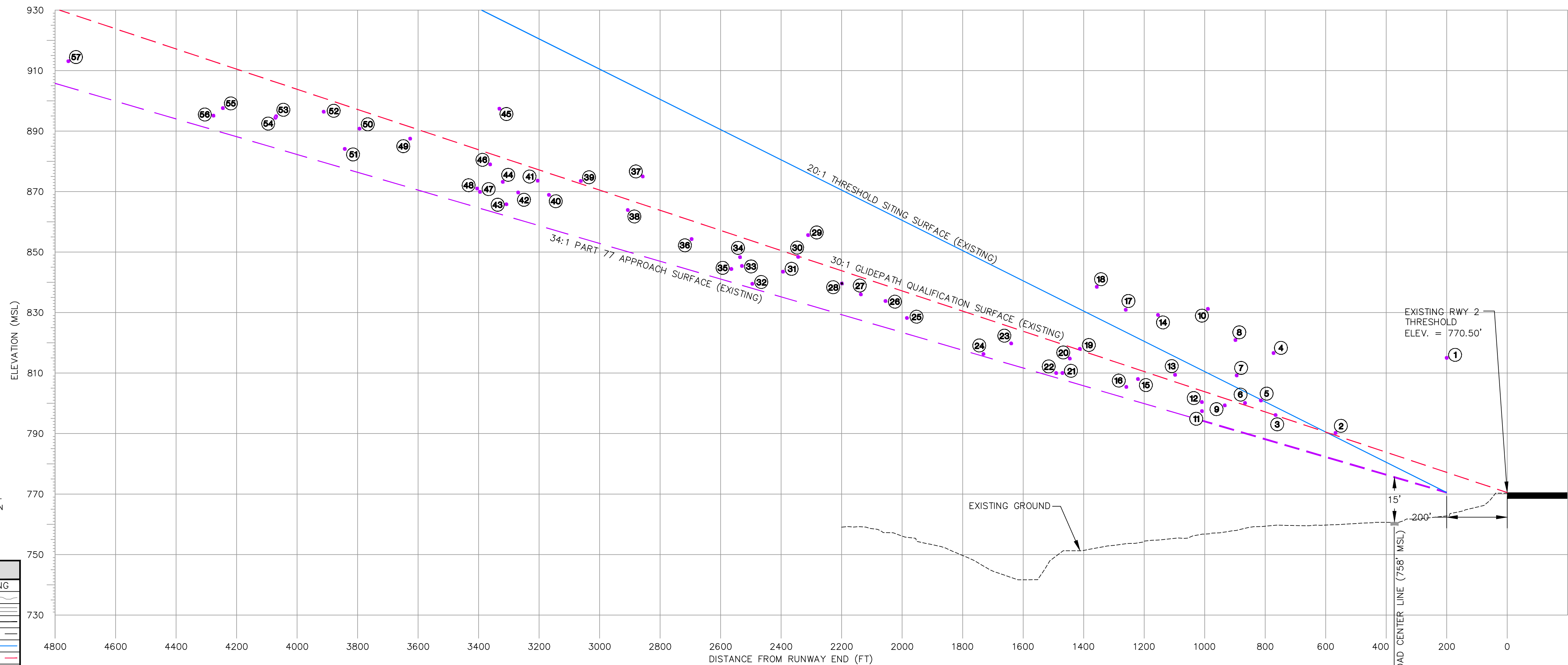
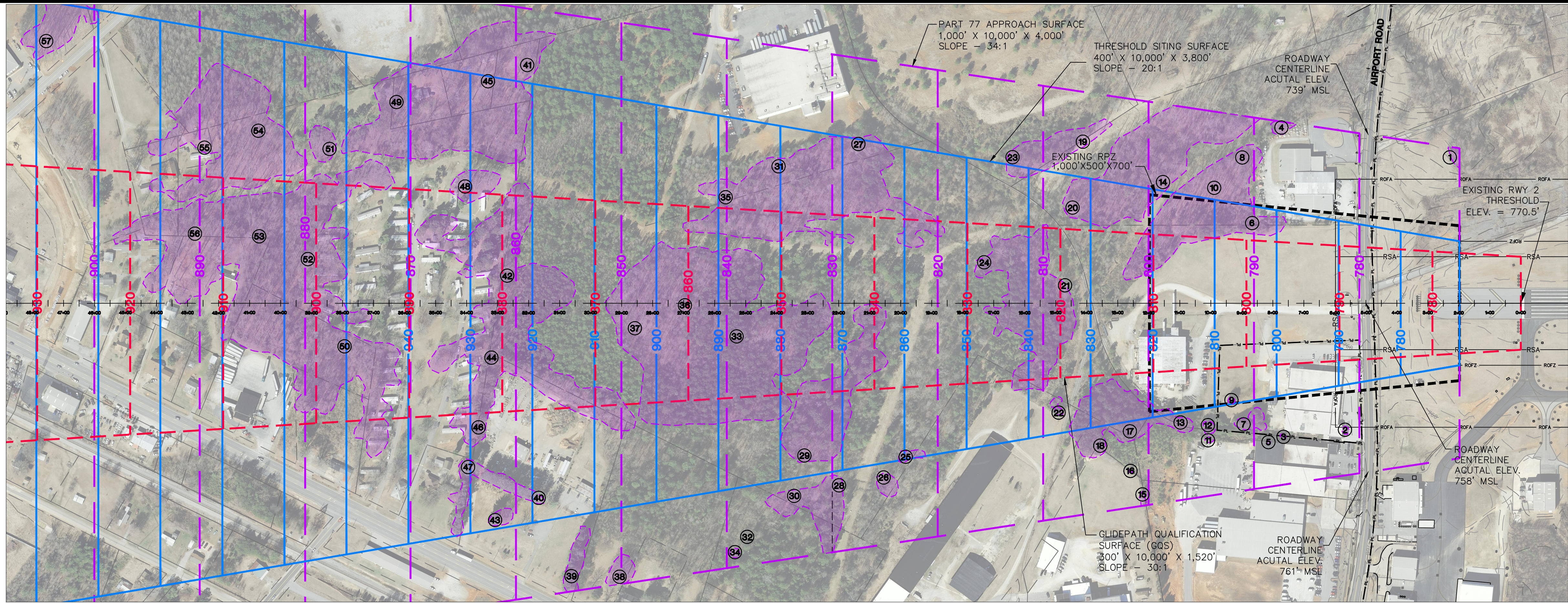
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FOR CONSTRUCTION

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|-------------|-----------|
| Designed    | JEL       |
| Date        | NOV. 2015 |
| Scale       | 1"=200'   |
| Drawn       | MWP       |
| Checked     | JAS       |
| Project No. | 3708-1401 |
| Sheet No.   |           |

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MAGNETIC DECLINATION  
0755 WEST (AUG. 2015)  
SOURCE: NOAA NGDC



- NOTE:
1. FOR INNER APPROACH OBSTRUCTION DATA INFORMATION, SEE SHEET 9 OF 21.
  2. ALL IDENTIFIED OBSTRUCTIONS ARE HIGHEST POINTS LOCATED IN OBSTRUCTION AREAS.
  3. LATEST OBSTRUCTION SURVEY COMPLETED ON FEBRUARY 4, 2015.

| LEGEND                                   |          |
|------------------------------------------|----------|
| ITEM                                     | EXISTING |
| GROUND CONTOURS                          | 660      |
| ROADS (PAVED)                            | PL       |
| AIRPORT PROPERTY LINE                    | PL       |
| EXISTING GROUND (PROFILE)                | PL       |
| APPROACH SURFACE                         | PL       |
| GLIDEPATH QUALIFICATION SURFACE (GQS)    | PL       |
| PART 77 SURFACE                          | PL       |
| PART 77 OBSTRUCTION AREA                 | PL       |
| PART 77 IDENTIFIED OBSTRUCTION (PROFILE) | PL       |

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RUNWAY 02 INNER APPROACH SURFACE  
EXISTING PLAN AND PROFILE  
AIRPORT LAYOUT PLAN UPDATE

ROWAN COUNTY AIRPORT

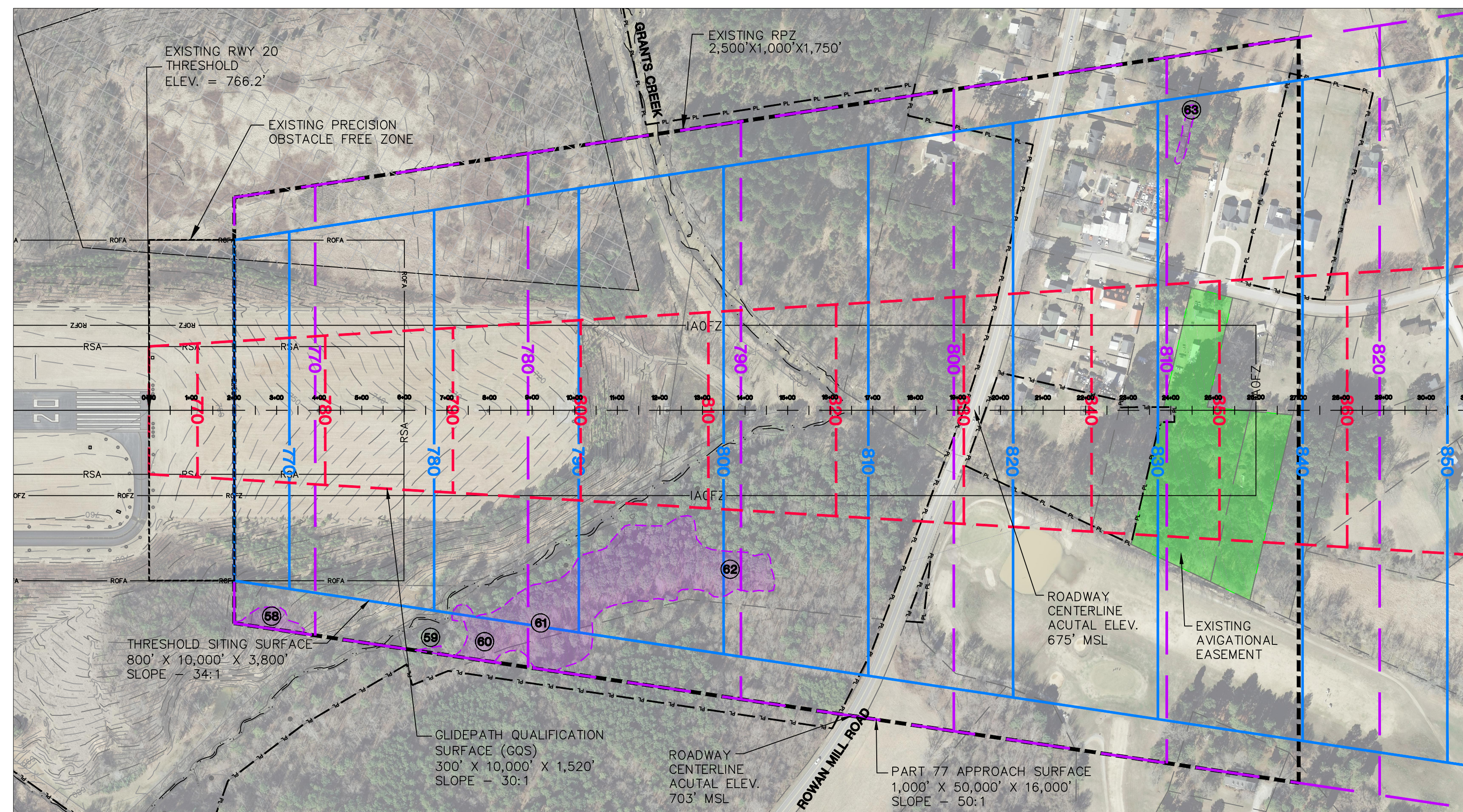
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NOT RELEASED  
FOR CONSTRUCTION

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|-------------|-----------|
| Designed    | MWP       |
| Date        | NOV. 2015 |
| Scale       | AS SHOWN  |
| Drawn       | MWP       |
| Checked     | JEL       |
| Project No. | 3708-1401 |
| Sheet No.   |           |

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OF 21



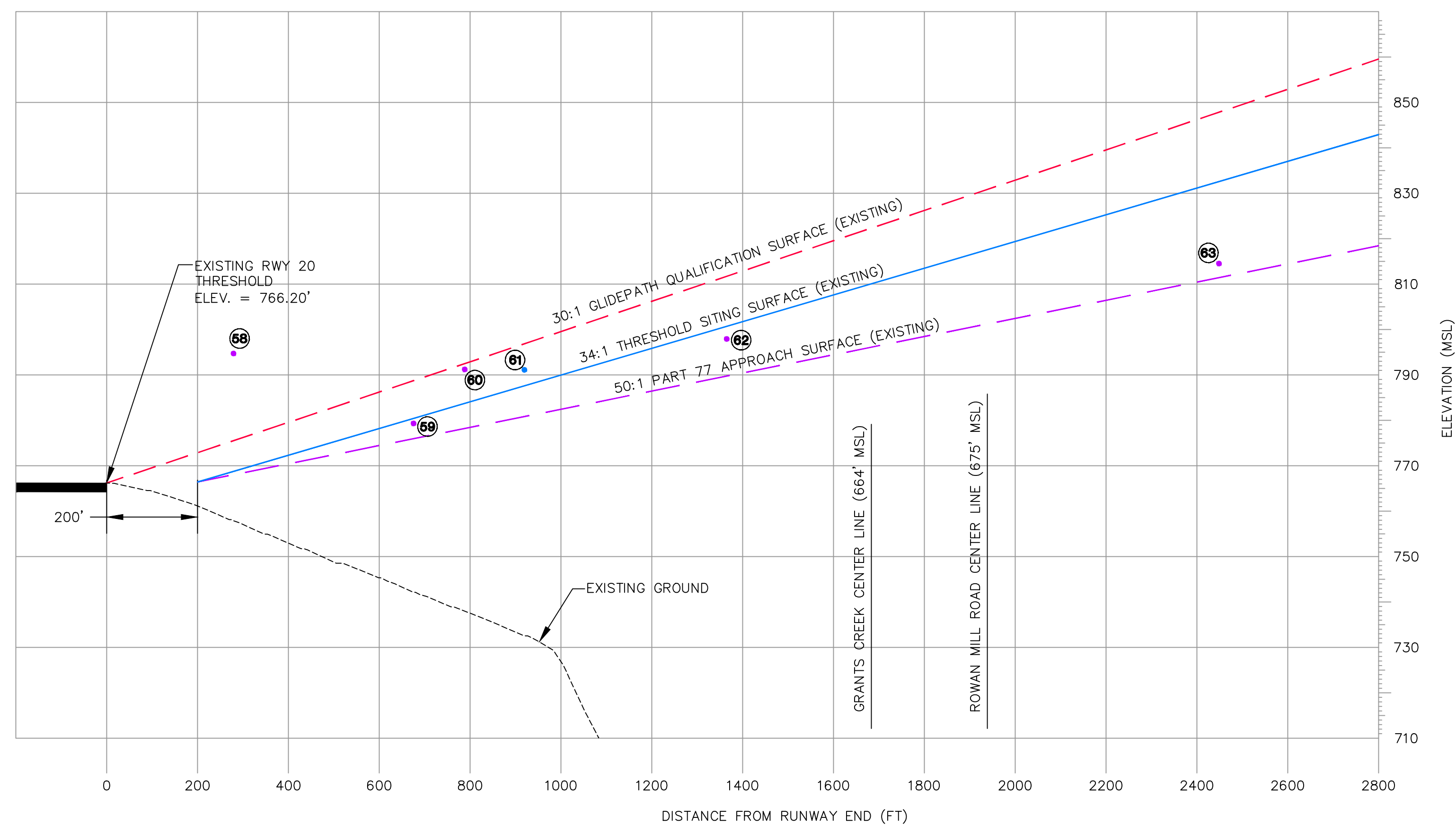
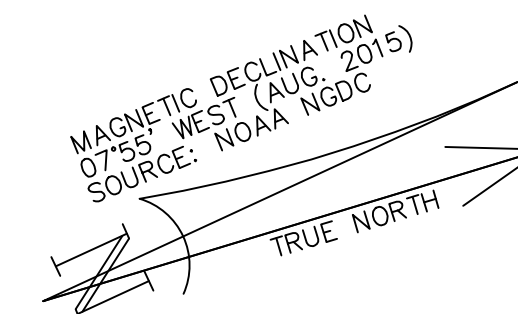


NOTE: ALL CONTOURS SHOWN ARE  
AT 2' INTERVALS

**PLAN VIEW RUNWAY 20 END**

SCALE: 1"=200'

EXISTING APPROACH : PRECISION  
ULTIMATE APPROACH : PRECISION



### PROFILE VIEW RUNWAY 20 END

SCALE: 1"=200' HORIZONTAL  
1"=20' VERTICAL

NOTE:

1. FOR INNER APPROACH OBSTRUCTION DATA INFORMATION, SEE SHEET 9 OF 21.
2. ALL IDENTIFIED OBSTRUCTIONS ARE HIGHEST POINTS LOCATED IN OBSTRUCTION AREAS.
3. LATEST OBSTRUCTION SURVEY COMPLETED ON FEBRUARY 4, 2015.

| LEGEND                                                    |          |
|-----------------------------------------------------------|----------|
| ITEM                                                      | EXISTING |
| GROUND CONTOURS                                           | 660      |
| ROADS (PAVED)                                             |          |
| AIRPORT PROPERTY LINE                                     | PL       |
| EXISTING GROUND (PROFILE)                                 |          |
| APPROACH SURFACE                                          |          |
| GLIDE PATH QUALIFICATION SURFACE (GQS)                    |          |
| PART 77 SURFACE                                           |          |
| PART 77 OBSTRUCTION AREA                                  |          |
| THRESHOLD SITING SURFACE OBSTRUCTION AREA                 |          |
| PART 77 IDENTIFIED OBSTRUCTION (PROFILE)                  |          |
| THRESHOLD SITING SURFACE IDENTIFIED OBSTRUCTION (PROFILE) |          |

# RUNWAY 20 INNER APPROACH SURFACE EXISTING PLAN AND PROFILE AIRPORT LAYOUT PLAN UPDATE

# ROWAN COUNTY AIRPORT

**PRELIMINARY**  
**NOT RELEASED**  
**FOR CONSTRUCTION**

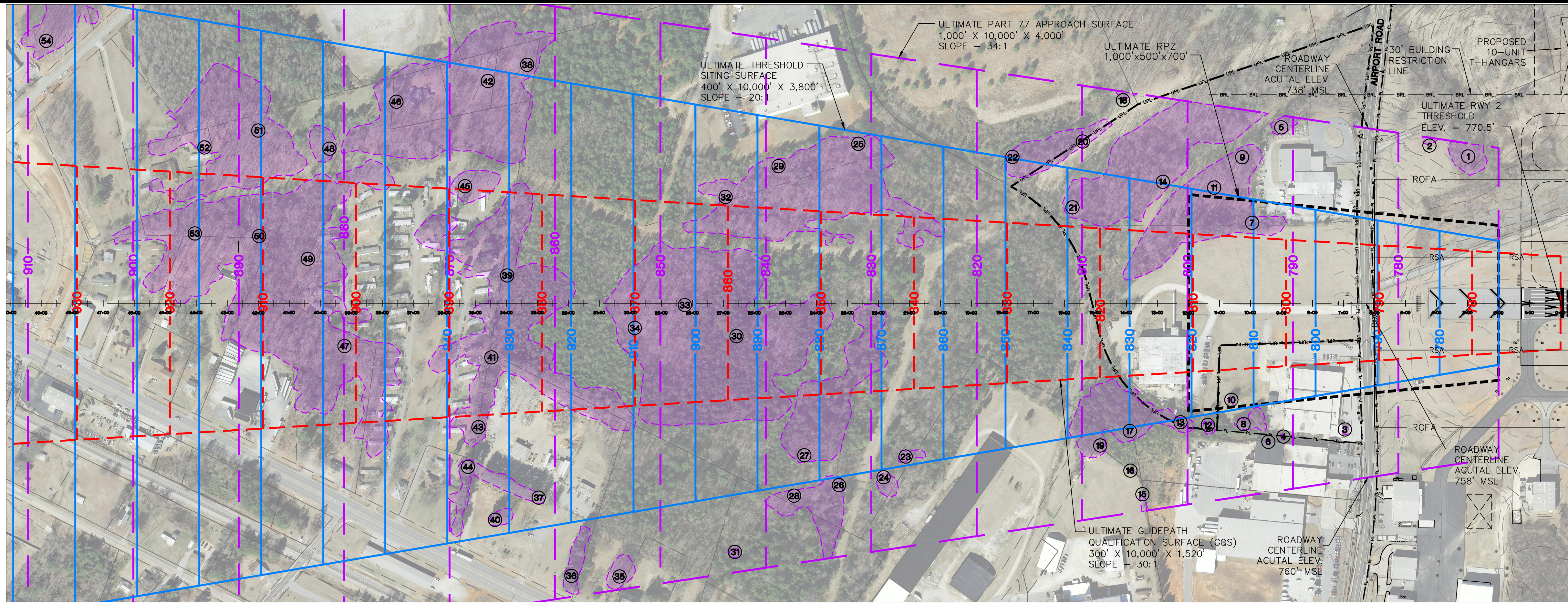
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| Designed    | MWP       |
| Date        | NOV. 2015 |
| Scale       | AS SHOWN  |
| Drawn       | MWP       |
| Checked     | JEL       |
| Project No. | 3708-1401 |
| Sheet No.   |           |

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OF 21



MAGNETIC DECLINATION  
0°55' WEST (AUG. 2015)  
SOURCE: NOAA NODC

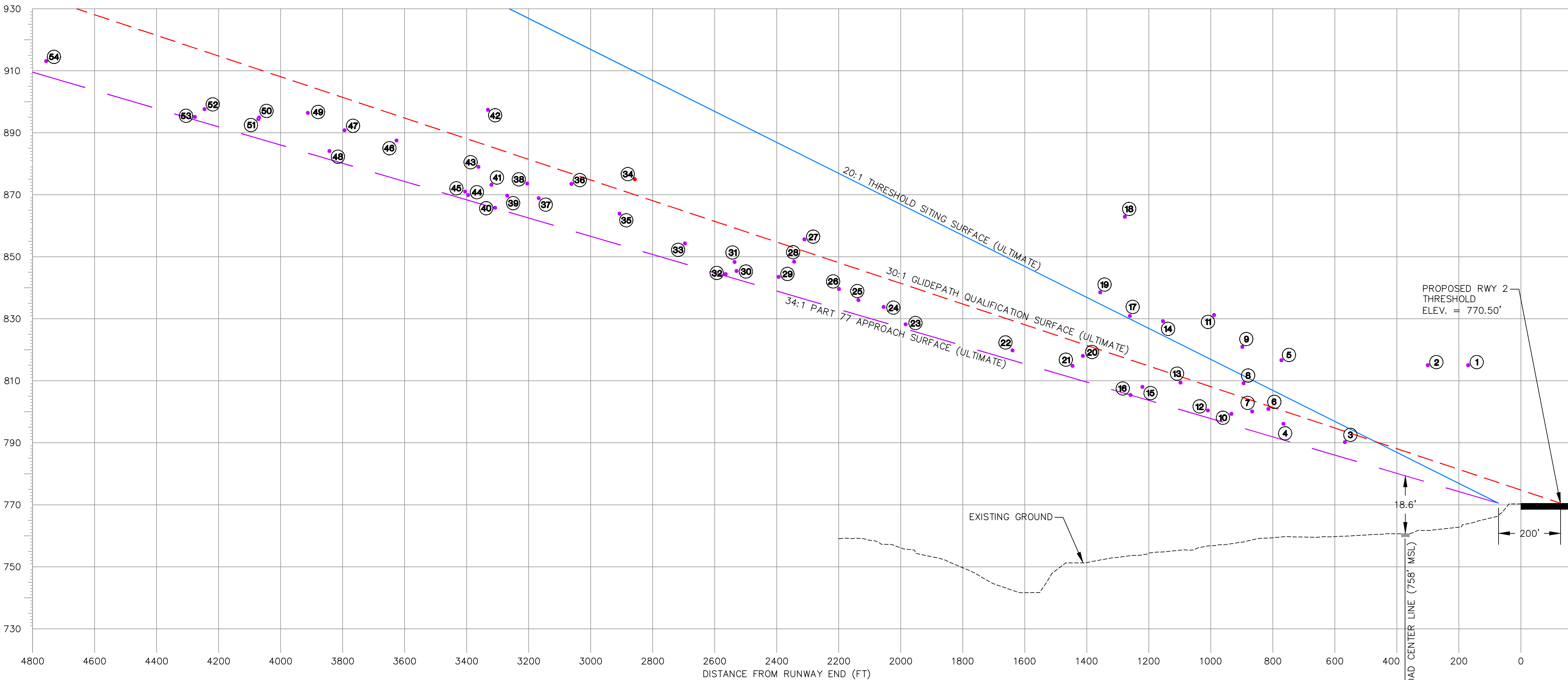


EXISTING APPROACH : NON-PRECISION  
ULTIMATE APPROACH : NON-PRECISION

PLAN VIEW RUNWAY 2 END

SCALE: 1"=200'

NOTE: ALL CONTOURS SHOWN ARE  
AT 2' INTERVALS



PROFILE VIEW RUNWAY 2 END

SCALE: 1"=200' HORIZONTAL  
1"=20' VERTICAL

- NOTE:
1. FOR INNER APPROACH OBSTRUCTION DATA INFORMATION, SEE SHEET 9 OF 21.
  2. ALL IDENTIFIED OBSTRUCTIONS ARE HIGHEST POINTS LOCATED IN OBSTRUCTION AREAS.
  3. LATEST OBSTRUCTION SURVEY COMPLETED ON FEBRUARY 4, 2015.

| LEGEND                                           |          |
|--------------------------------------------------|----------|
| ITEM                                             | EXISTING |
| GROUND CONTOURS                                  | ---      |
| ROADS (PAVED)                                    | ---      |
| PROPOSED AIRFIELD PAVEMENT                       | ---      |
| AIRPORT PROPERTY LINE                            | ---      |
| EXISTING GROUND (PROFILE)                        | ---      |
| APPROACH SURFACE                                 | ---      |
| GLIDEPATH QUALIFICATION SURFACE (GQS)            | ---      |
| PART 77 SURFACE                                  | ---      |
| PART 77 SURFACE OBSTRUCTION AREA                 | ---      |
| PART 77 SURFACE IDENTIFIED OBSTRUCTION (PROFILE) | ---      |
| GQS IDENTIFIED OBSTRUCTION (PROFILE)             | ---      |

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NC LICENSE NO. C-1163

| REV. NO. | DESCRIPTION               | DATE     |
|----------|---------------------------|----------|
| 1        | FAA COMMENTS ADDRESSED    | 07/22/16 |
| 2        | INDOOR COMMENTS ADDRESSED | 03/03/16 |

RUNWAY 02 INNER APPROACH SURFACE  
ULTIMATE PLAN AND PROFILE  
AIRPORT LAYOUT PLAN UPDATE  
ROWAN COUNTY AIRPORT

PRELIMINARY  
NOT RELEASED  
FOR CONSTRUCTION

|             |           |
|-------------|-----------|
| Designed    | MWP       |
| Date        | NOV. 2015 |
| Scale       | AS SHOWN  |
| Drawn       | MWP       |
| Checked     | JEL       |
| Project No. | 3708-1401 |
| Sheet No.   |           |

7

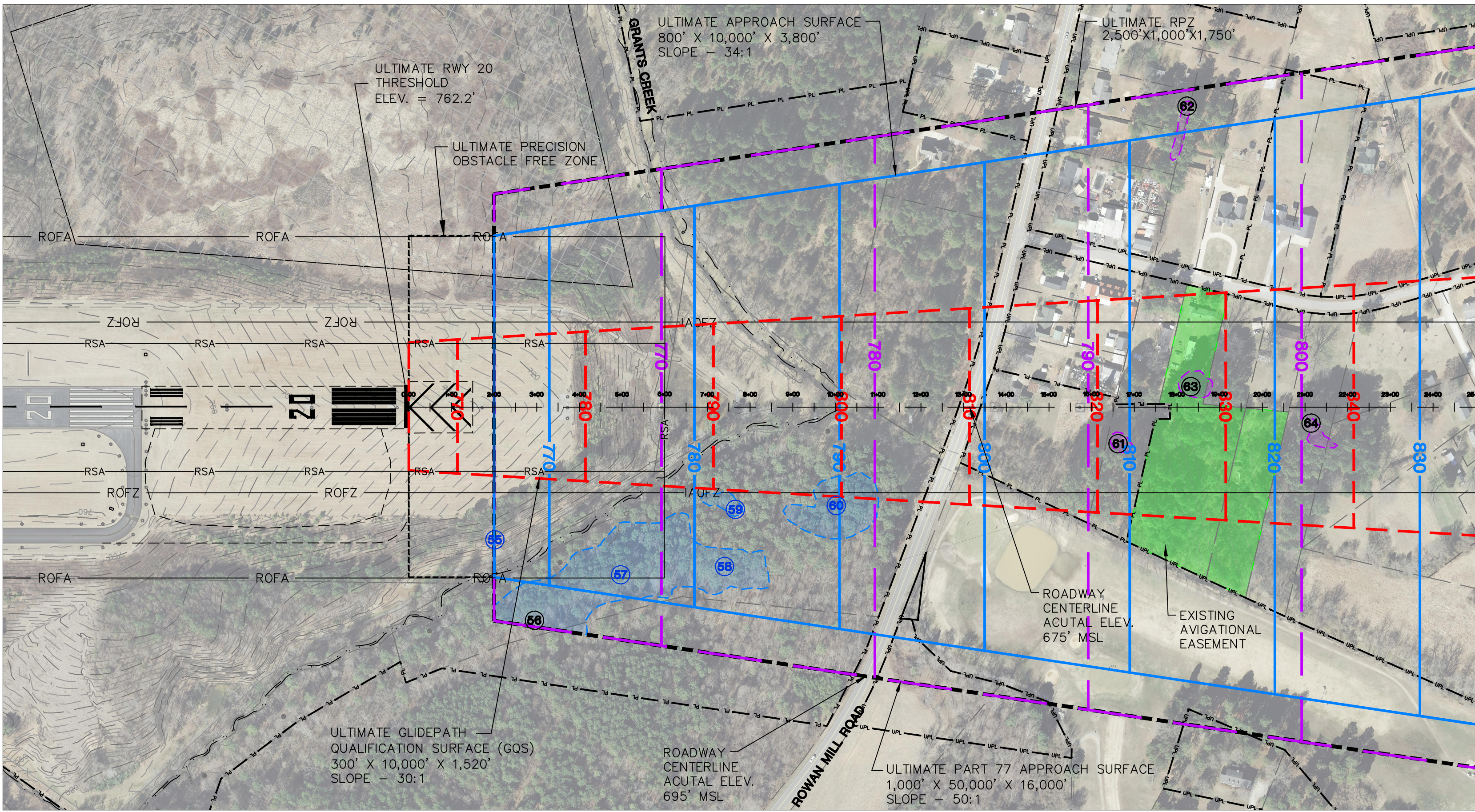
OF 21



FILE: 1407-INNER APPROACH-211.dwg

- NOTE:
1. FOR INNER APPROACH OBSTRUCTION DATA INFORMATION, SEE SHEET 9 OF 21.
  2. ALL IDENTIFIED OBSTRUCTIONS ARE HIGHEST POINTS LOCATED IN OBSTRUCTION AREAS.
  3. LATEST OBSTRUCTION SURVEY COMPLETED ON FEBRUARY 4, 2015.

| LEGEND                                                    |          |
|-----------------------------------------------------------|----------|
| ITEM                                                      | EXISTING |
| GROUND CONTOURS                                           |          |
| ROADS (PAVED)                                             |          |
| PROPOSED AIRFIELD PAVEMENT                                |          |
| AIRPORT PROPERTY LINE                                     |          |
| EXISTING GROUND (PROFILE)                                 |          |
| APPROACH SURFACE                                          |          |
| GLIDEPATH QUALIFICATION SURFACE (GQS)                     |          |
| PART 77 SURFACE                                           |          |
| THRESHOLD SITING SURFACE OBSTRUCTION AREA                 |          |
| PART 77 SURFACE OBSTRUCTION AREA                          |          |
| PART 77 SURFACE IDENTIFIED OBSTRUCTION (PROFILE)          |          |
| THRESHOLD SITING SURFACE IDENTIFIED OBSTRUCTION (PROFILE) |          |

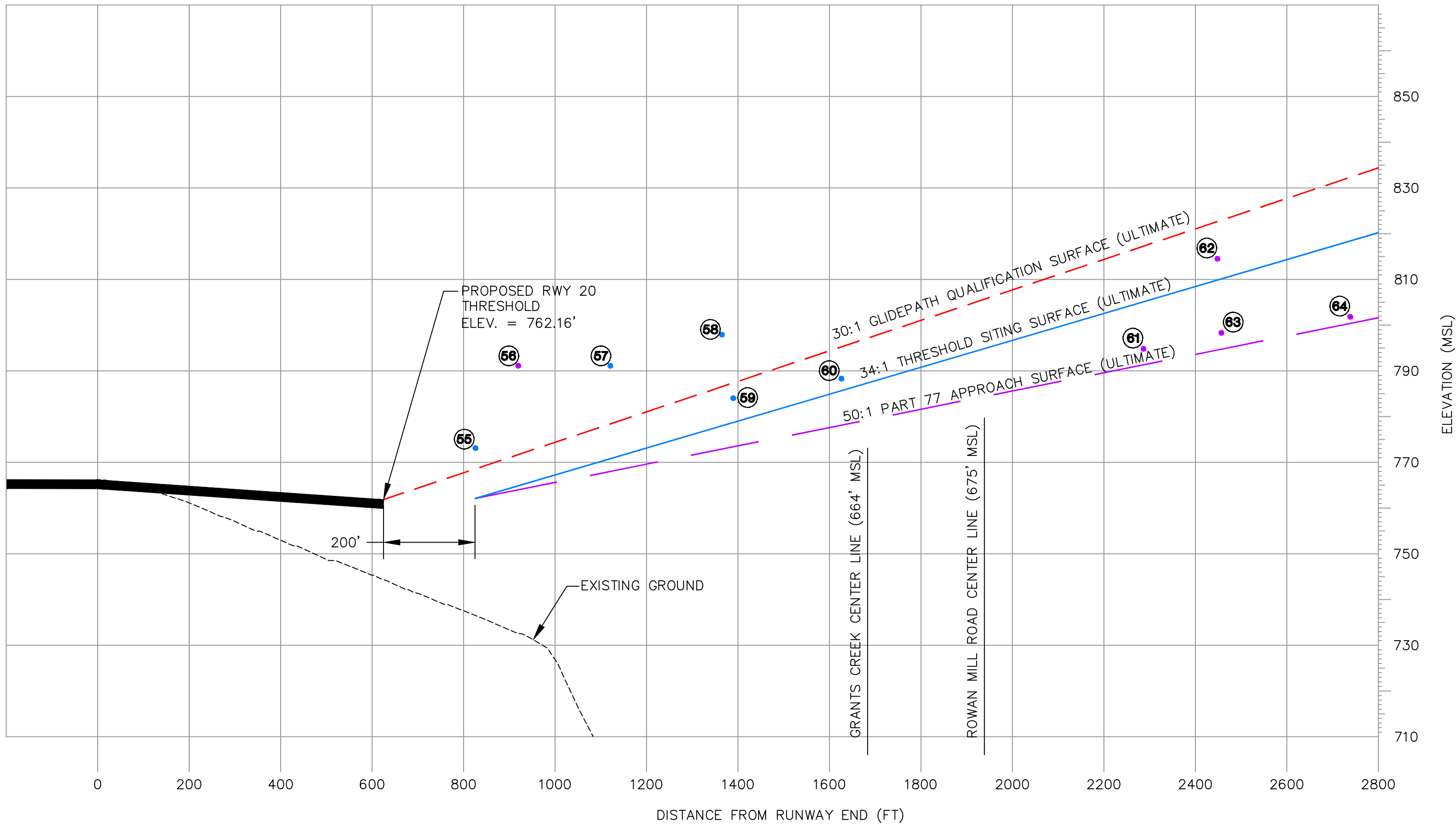


NOTE: ALL CONTOURS SHOWN ARE  
AT 2' INTERVALS

**PLAN VIEW RUNWAY 20 END**

SCALE: 1"=200'

EXISTING APPROACH : PRECISION  
ULTIMATE APPROACH : PRECISION



**PROFILE VIEW RUNWAY 20 END**

SCALE: 1"=200' HORIZONTAL  
1"=20' VERTICAL

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**RUNWAY 20 INNER APPROACH SURFACE  
ULTIMATE PLAN AND PROFILE  
AIRPORT LAYOUT PLAN UPDATE**

**ROWAN COUNTY AIRPORT**

**PRELIMINARY  
NOT RELEASED  
FOR CONSTRUCTION**

|             |           |
|-------------|-----------|
| Designed    | MWP       |
| Date        | NOV. 2015 |
| Scale       | AS SHOWN  |
| Drawn       | MWP       |
| Checked     | JEL       |
| Project No. | 3708-1401 |
| Sheet No.   |           |

**8**

OF **21**



EXISTING RUNWAY 02 INNER APPROACH OBSTRUCTION DATA

| NO. | DESCRIPTION | SURFACE<br>PENETRATING | ELEVATION | SURFACE<br>ELEVATION | PENETRATION | DISTANCE FROM<br>RUNWAY THRESHOLD | OFFSET FROM<br>RUNWAY CENTERLINE | PROPOSED<br>ACTION | TRIGGERING<br>EVENT |
|-----|-------------|------------------------|-----------|----------------------|-------------|-----------------------------------|----------------------------------|--------------------|---------------------|
| 1   | TREE        | PART 77                | 815.00    | 770.50               | 44.50       | 2+00.00                           | 436.74 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 2   | TREE        | PART 77                | 790.20    | 781.31               | 8.89        | 5+67.40                           | 407.93 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 3   | TREE        | PART 77                | 796.10    | 787.13               | 8.97        | 7+65.50                           | 430.85 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 4   | TREE        | PART 77                | 816.60    | 787.33               | 29.27       | 7+72.33                           | 566.95 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 5   | TREE        | PART 77                | 800.90    | 788.56               | 12.34       | 8+14.10                           | 447.87 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 6   | TREE        | PART 77                | 800.10    | 790.11               | 9.99        | 8+66.64                           | 258.78 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 7   | TREE        | PART 77                | 809.20    | 790.92               | 18.28       | 8+94.16                           | 390.49 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 8   | TREE        | PART 77                | 820.90    | 791.04               | 29.86       | 8+98.54                           | 470.42 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 9   | TREE        | PART 77                | 799.30    | 792.07               | 7.23        | 9+33.46                           | 312.34 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 10  | TREE        | PART 77                | 831.20    | 793.71               | 37.49       | 9+89.28                           | 373.24 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 11  | TREE        | PART 77                | 797.40    | 794.29               | 3.11        | 10+08.79                          | 442.14 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 12  | TREE        | PART 77                | 804.00    | 794.30               | 9.70        | 10+09.31                          | 393.05 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 13  | TREE        | PART 77                | 809.40    | 796.90               | 12.50       | 10+97.73                          | 383.90 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 14  | TREE        | PART 77                | 829.20    | 798.56               | 30.64       | 11+54.17                          | 391.11 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 15  | TREE        | PART 77                | 808.00    | 800.51               | 7.49        | 12+20.43                          | 616.67 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 16  | TREE        | PART 77                | 805.40    | 801.65               | 3.75        | 12+58.97                          | 540.86 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 17  | TREE        | PART 77                | 830.90    | 801.70               | 29.20       | 12+60.93                          | 413.04 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 18  | TREE        | PART 77                | 838.50    | 804.51               | 33.99       | 13+56.46                          | 459.46 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 19  | TREE        | PART 77                | 818.00    | 806.16               | 11.84       | 14+12.50                          | 521.23 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 20  | TREE        | PART 77                | 814.80    | 807.14               | 7.66        | 14+45.81                          | 308.80 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 21  | TREE        | PART 77                | 810.00    | 807.86               | 2.14        | 14+70.11                          | 58.00 R                          | TO BE REMOVED      | RWY EXTENSION       |
| 22  | TREE        | PART 77                | 810.00    | 808.47               | 1.53        | 14+90.82                          | 352.70 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 23  | TREE        | PART 77                | 819.80    | 812.84               | 6.96        | 16+39.49                          | 471.33 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 24  | TREE        | PART 77                | 816.30    | 815.53               | 0.77        | 17+31.16                          | 133.04 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 25  | TREE        | PART 77                | 828.20    | 822.98               | 5.22        | 19+84.16                          | 494.41 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 26  | TREE        | PART 77                | 833.80    | 825.06               | 8.74        | 20+55.00                          | 561.97 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 27  | TREE        | PART 77                | 836.00    | 827.45               | 8.55        | 21+36.46                          | 513.86 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 28  | TREE        | PART 77                | 839.60    | 829.30               | 10.30       | 21+99.03                          | 587.35 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 29  | TREE        | PART 77                | 855.60    | 832.58               | 23.02       | 23+10.65                          | 491.11 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 30  | TREE        | PART 77                | 848.40    | 833.55               | 14.85       | 23+43.73                          | 621.44 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 31  | TREE        | PART 77                | 843.50    | 835.03               | 8.47        | 23+93.88                          | 441.91 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 32  | TREE        | PART 77                | 839.50    | 838.01               | 1.49        | 24+95.23                          | 753.63 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 33  | TREE        | PART 77                | 845.40    | 839.02               | 6.38        | 25+29.53                          | 106.06 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 34  | TREE        | PART 77                | 848.30    | 839.20               | 9.10        | 25+34.64                          | 803.03 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 35  | TREE        | PART 77                | 844.40    | 840.05               | 4.35        | 25+64.55                          | 342.20 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 36  | TREE        | PART 77                | 854.30    | 843.91               | 10.39       | 26+95.97                          | 6.59 L                           | TO BE REMOVED      | RWY EXTENSION       |
| 37  | TREE        | PART 77                | 875.00    | 848.66               | 26.34       | 28+57.41                          | 80.49 L                          | TO BE REMOVED      | RWY EXTENSION       |
| 38  | TREE        | PART 77                | 863.90    | 850.11               | 13.79       | 29+06.72                          | 882.19 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 39  | TREE        | PART 77                | 873.50    | 854.67               | 18.83       | 30+61.94                          | 880.34 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 40  | TREE        | PART 77                | 868.90    | 857.78               | 11.12       | 31+67.43                          | 687.85 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 41  | TREE        | PART 77                | 873.60    | 858.87               | 14.73       | 32+04.52                          | 768.71 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 42  | TREE        | PART 77                | 869.70    | 860.77               | 5.03        | 32+69.19                          | 89.09 R                          | TO BE REMOVED      | RWY EXTENSION       |
| 43  | TREE        | PART 77                | 865.80    | 861.91               | 3.89        | 33+08.07                          | 699.39 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 44  | TREE        | PART 77                | 873.20    | 862.26               | 10.94       | 33+19.98                          | 175.32 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 45  | TREE        | PART 77                | 897.40    | 862.59               | 34.81       | 33+31.22                          | 717.10 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 46  | TREE        | PART 77                | 879.00    | 863.49               | 15.51       | 33+61.59                          | 400.28 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 47  | TREE        | PART 77                | 869.90    | 864.48               | 5.42        | 33+95.34                          | 528.53 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 48  | TREE        | PART 77                | 871.00    | 864.76               | 6.24        | 34+04.88                          | 376.87 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 49  | TREE        | PART 77                | 887.50    | 871.27               | 16.23       | 36+26.21                          | 649.29 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 50  | TREE        | PART 77                | 890.80    | 876.20               | 14.60       | 37+93.70                          | 138.96 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 51  | TREE        | PART 77                | 884.10    | 877.63               | 6.47        | 38+42.30                          | 498.78 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 52  | TREE        | PART 77                | 896.40    | 879.67               | 16.73       | 39+11.91                          | 142.58 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 53  | TREE        | PART 77                | 894.90    | 884.29               | 10.61       | 40+68.87                          | 216.01 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 54  | TREE        | PART 77                | 894.40    | 884.37               | 10.03       | 40+71.69                          | 556.67 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 55  | TREE        | PART 77                | 897.60    | 889.48               | 8.12        | 42+45.31                          | 502.06 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 56  | TREE        | PART 77                | 905.10    | 890.39               | 14.71       | 42+76.26                          | 224.58 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 57  | TREE        | PART 77                | 913.10    | 904.50               | 8.60        | 47+55.96                          | 846.67 R                         | TO BE REMOVED      | RWY EXTENSION       |

EXISTING RUNWAY 20 INNER APPROACH OBSTRUCTION DATA

| NO. | DESCRIPTION | SURFACE<br>PENETRATING | ELEVATION | SURFACE<br>ELEVATION | PENETRATION | DISTANCE FROM<br>RUNWAY THRESHOLD | OFFSET FROM<br>RUNWAY CENTERLINE | PROPOSED<br>ACTION | TRIGGERING<br>EVENT |
|-----|-------------|------------------------|-----------|----------------------|-------------|-----------------------------------|----------------------------------|--------------------|---------------------|
| 58  | TREE        | PART 77                | 794.70    | 768.00               | 26.70       | 2+79.51                           | 461.73 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 59  | TREE        | PART 77                | 779.30    | 775.94               | 3.36        | 6+75.67                           | 553.32 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 60  | TREE        | THRESHOLD SITING       | 791.20    | 778.19               | 13.01       | 7+88.28                           | 543.40 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 61  | TREE        | PART 77                | 791.10    | 787.59               | 3.51        | 9+19.70                           | 499.43 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 62  | TREE        | PART 77                | 797.90    | 789.73               | 8.17        | 13+65.00                          | 373.26 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 63  | TREE        | PART 77                | 814.50    | 811.40               | 3.10        | 24+48.51                          | 705.48 L                         | TO BE REMOVED      | RWY EXTENSION       |

ULTIMATE RUNWAY 02 INNER APPROACH OBSTRUCTION DATA

| NO. | DESCRIPTION | SURFACE<br>PENETRATING | ELEVATION | SURFACE<br>ELEVATION | PENETRATION | DISTANCE FROM<br>RUNWAY THRESHOLD | OFFSET FROM<br>RUNWAY CENTERLINE | PROPOSED<br>ACTION | TRIGGERING<br>EVENT |
|-----|-------------|------------------------|-----------|----------------------|-------------|-----------------------------------|----------------------------------|--------------------|---------------------|
| 1   | TREE        | PART 77                | 815.00    | 773.38               | 41.62       | 2+97.84                           | 416.07 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 2   | TREE        | PART 77                | 815.00    | 777.21               | 37.79       | 4+28.00                           | 512.38 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 3   | TREE        | PART 77                | 790.20    | 785.07               | 5.13        | 6+95.37                           | 407.93 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 4   | TREE        | PART 77                | 796.10    | 790.90               | 5.20        | 8+93.47                           | 430.85 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 5   | TREE        | PART 77                | 816.60    | 791.10               | 25.50       | 9+00.30                           | 566.95 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 6   | TREE        | PART 77                | 800.90    | 792.33               | 8.57        | 9+42.07                           | 447.87 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 7   | TREE        | PART 77                | 800.10    | 793.87               | 6.23        | 9+94.61                           | 258.78 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 8   | TREE        | PART 77                | 809.20    | 794.68               | 14.52       | 10+22.14                          | 390.49 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 9   | TREE        | PART 77                | 820.90    | 794.80               | 26.10       | 10+26.51                          | 470.42 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 10  | TREE        | PART 77                | 799.30    | 795.84               | 3.46        | 10+61.44                          | 312.34 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 11  | TREE        | PART 77                | 831.20    | 777.48               | 53.72       | 11+17.25                          | 373.24 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 12  | TREE        | PART 77                | 804.00    | 778.07               | 25.93       | 11+37.29                          | 393.05 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 13  | TREE        | PART 77                | 809.40    | 800.67               | 8.73        | 12+25.71                          | 383.90 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 14  | TREE        | PART 77                | 829.20    | 802.33               | 26.87       | 12+82.15                          | 391.11 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 15  | TREE        | PART 77                | 808.00    | 804.28               | 3.72        | 13+48.41                          | 616.67 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 16  | TREE        | PART 77                | 805.40    | 805.41               | -0.01       | 13+86.95                          | 540.86 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 17  | TREE        | PART 77                | 830.90    | 805.47               | 25.43       | 13+88.90                          | 413.04 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 18  | TREE        | PART 77                | 862.90    | 805.94               | 56.96       | 14+17.09                          | 660.34 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 19  | TREE        | PART 77                | 838.50    | 808.28               | 30.22       | 14+84.44                          | 459.46 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 20  | TREE        | PART 77                | 818.00    | 809.93               | 8.07        | 15+40.48                          | 521.23 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 21  | TREE        | PART 77                | 814.80    | 810.91               | 3.89        | 15+73.78                          | 308.80 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 22  | TREE        | PART 77                | 819.80    | 816.60               | 3.20        | 17+67.47                          | 471.33 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 23  | TREE        | PART 77                | 828.20    | 826.74               | 1.46        | 21+12.14                          | 494.41 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 24  | TREE        | PART 77                | 833.80    | 828.82               | 4.98        | 21+82.98                          | 561.97 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 25  | TREE        | PART 77                | 836.00    | 831.22               | 4.78        | 22+64.44                          | 513.86 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 26  | TREE        | PART 77                | 839.60    | 833.06               | 6.54        | 23+27.01                          | 587.35 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 27  | TREE        | PART 77                | 855.60    | 836.34               | 19.26       | 24+38.62                          | 491.11 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 28  | TREE        | PART 77                | 848.40    | 837.31               | 11.09       | 24+71.71                          | 621.44 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 29  | TREE        | PART 77                | 843.50    | 838.79               | 4.71        | 25+21.85                          | 441.91 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 30  | TREE        | PART 77                | 845.40    | 842.78               | 2.62        | 26+57.50                          | 106.06 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 31  | TREE        | PART 77                | 848.30    | 842.96               | 5.34        | 26+62.61                          | 803.03 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 32  | TREE        | PART 77                | 844.40    | 843.81               | 0.59        | 26+92.53                          | 342.20 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 33  | TREE        | PART 77                | 854.30    | 847.68               | 6.62        | 28+23.95                          | 6.59 L                           | TO BE REMOVED      | RWY EXTENSION       |
| 34  | TREE        | CGS                    | 875.00    | 870.01               | 4.99        | 29+85.39                          | 80.49 L                          | TO BE REMOVED      | RWY EXTENSION       |
| 35  | TREE        | PART 77                | 863.90    | 853.87               | 10.03       | 30+34.69                          | 882.19 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 36  | TREE        | PART 77                | 873.50    | 858.44               | 15.06       | 31+89.91                          | 880.34 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 37  | TREE        | PART 77                | 868.90    | 861.54               | 7.36        | 32+95.40                          | 687.85 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 38  | TREE        | PART 77                | 873.60    | 862.63               | 10.97       | 33+32.50                          | 768.71 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 39  | TREE        | PART 77                | 869.70    | 864.53               | 1.27        | 33+97.16                          | 89.09 R                          | TO BE REMOVED      | RWY EXTENSION       |
| 40  | TREE        | PART 77                | 865.80    | 865.68               | 0.12        | 34+36.05                          | 699.39 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 41  | TREE        | PART 77                | 873.20    | 866.03               | 7.17        | 34+47.96                          | 175.32 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 42  | TREE        | PART 77                | 897.40    | 866.36               | 31.04       | 34+59.20                          | 717.10 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 43  | TREE        | PART 77                | 879.00    | 867.25               | 11.75       | 34+89.57                          | 400.28 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 44  | TREE        | PART 77                | 869.90    | 868.24               | 1.66        | 35+23.32                          | 528.53 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 45  | TREE        | PART 77                | 871.00    | 868.53               | 2.47        | 35+32.86                          | 376.87 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 46  | TREE        | PART 77                | 887.50    | 875.03               | 12.47       | 37+54.18                          | 649.29 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 47  | TREE        | PART 77                | 890.80    | 879.96               | 10.84       | 39+21.67                          | 138.96 L                         | TO BE REMOVED      | RWY EXTENSION       |
| 48  | TREE        | PART 77                | 884.10    | 881.39               | 2.71        | 39+70.27                          | 498.78 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 49  | TREE        | PART 77                | 896.40    | 883.44               | 12.96       | 40+39.88                          | 142.58 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 50  | TREE        | PART 77                | 894.90    | 888.05               | 6.85        | 41+96.84                          | 216.01 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 51  | TREE        | PART 77                | 894.40    | 888.14               | 6.26        | 41+99.67                          | 556.67 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 52  | TREE        | PART 77                | 897.60    | 893.05               | 4.55        | 43+73.28                          | 502.06 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 53  | TREE        | PART 77                | 905.10    | 884.15               | 20.95       | 44+04.23                          | 224.58 R                         | TO BE REMOVED      | RWY EXTENSION       |
| 54  | TREE        | PART 77                | 913.10    | 908.26               | 4.84        | 48+83.94                          | 846.67 R                         | TO BE REMOVED      | RWY EXTENSION       |



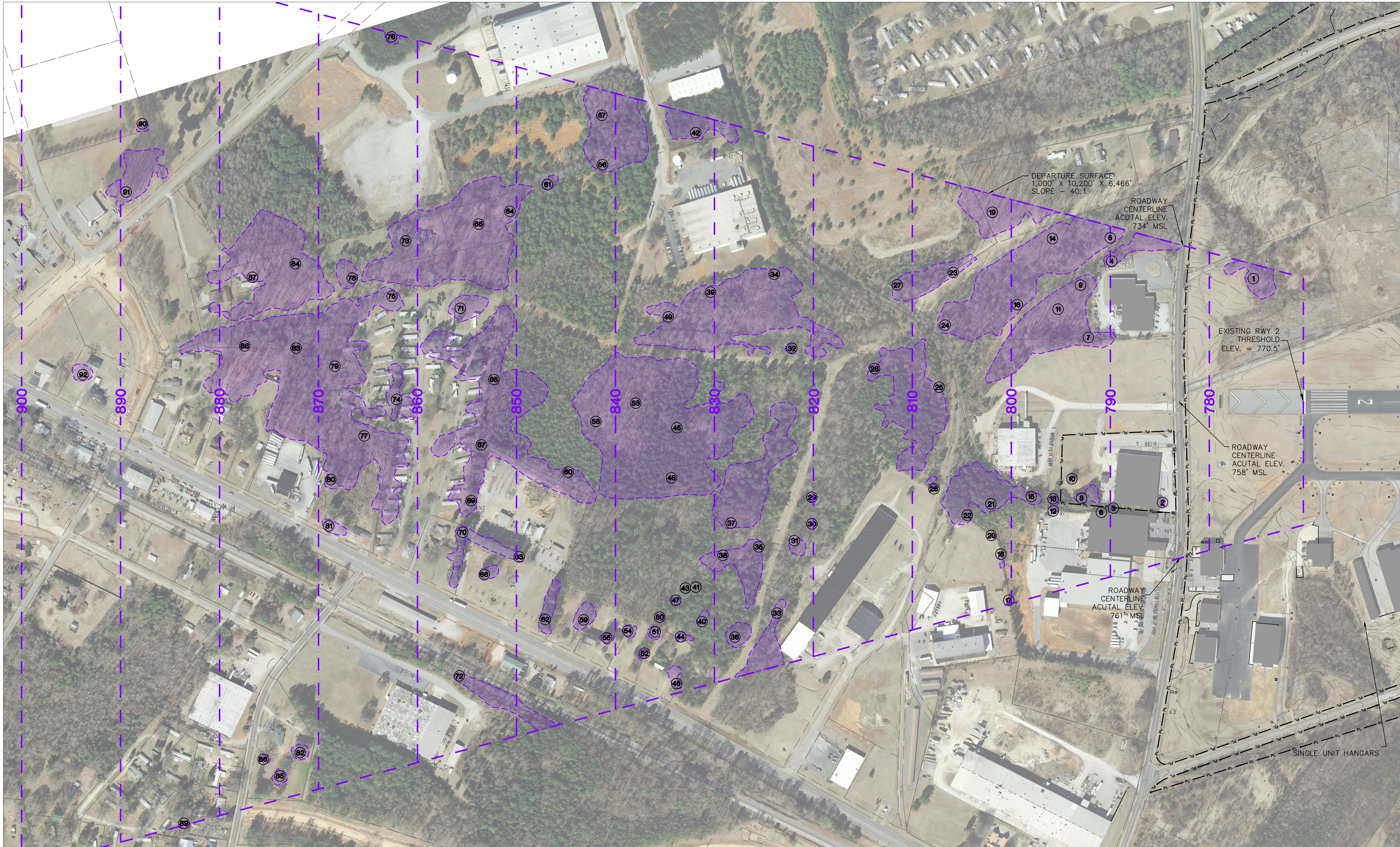








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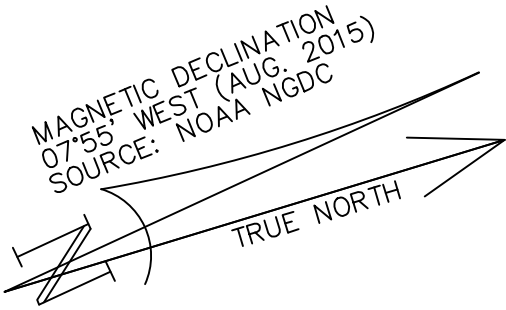


EXISTING APPROACH : NON-PRECISION  
ULTIMATE APPROACH : NON-PRECISION

**PLAN VIEW RUNWAY 2 END**  
SCALE: 1"=200'

- NOTE:
1. FOR DEPARTURE SURFACE OBSTRUCTION DATA INFORMATION, SEE SHEET 18 OF 21.
  2. ALL IDENTIFIED OBSTRUCTIONS ARE HIGHEST POINTS LOCATED IN OBSTRUCTION AREAS.
  3. LATEST OBSTRUCTION SURVEY COMPLETED ON FEBRUARY 4, 2015.

| LEGEND                             |          |
|------------------------------------|----------|
| ITEM                               | EXISTING |
| GROUND CONTOURS                    | ~ 660 ~  |
| ROADS (PAVED)                      | — PL —   |
| AIRPORT PROPERTY LINE (PL)         | — PL —   |
| DEPARTURE SURFACE                  | — PL —   |
| DEPARTURE SURFACE OBSTRUCTION AREA | — PL —   |



**RUNWAY 02 DEPARTURE SURFACE  
EXISTING PLAN VIEW  
AIRPORT LAYOUT PLAN UPDATE**

ROWAN COUNTY AIRPORT

**PRELIMINARY  
NOT RELEASED  
FOR CONSTRUCTION**

|             |           |
|-------------|-----------|
| Designed    | MWP       |
| Date        | NOV. 2015 |
| Scale       | AS SHOWN  |
| Drawn       | MWP       |
| Checked     | JEL       |
| Project No. | 3708-1401 |
| Sheet No.   |           |

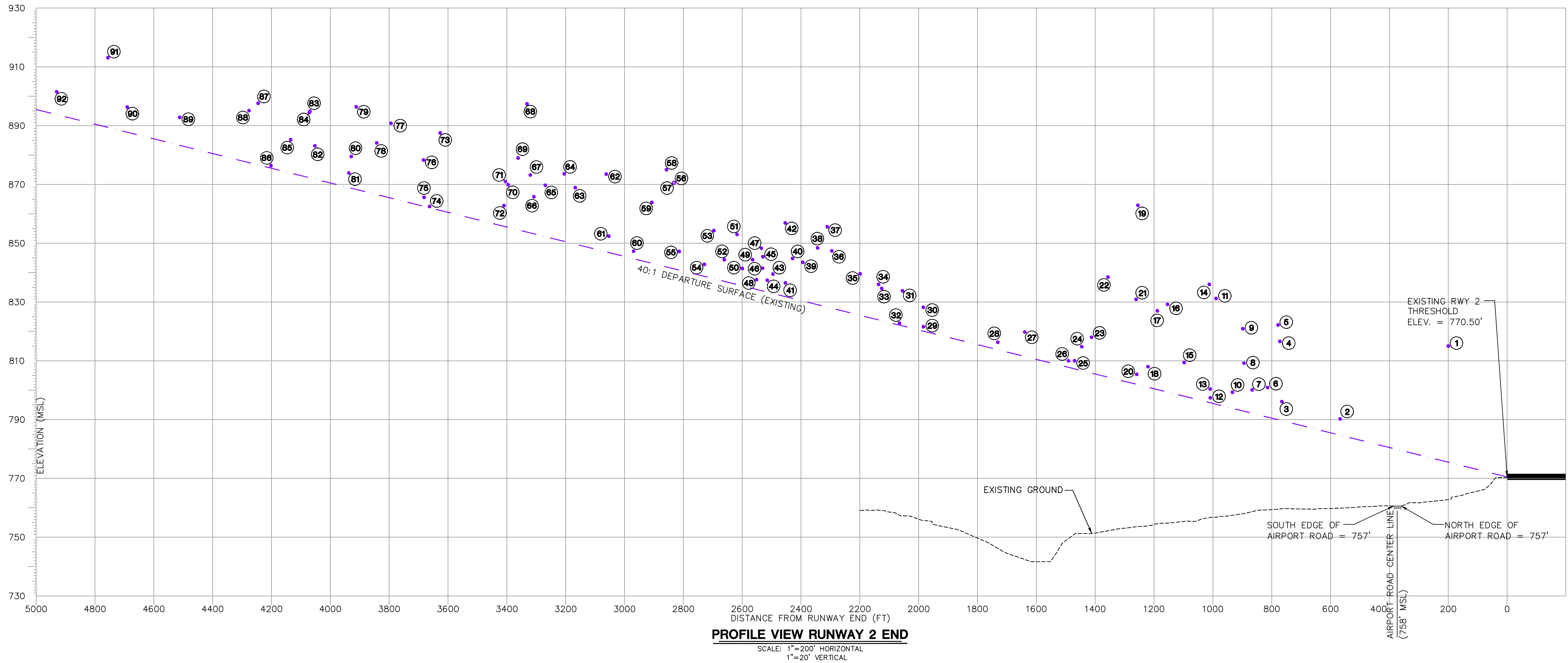
12

OF 21

**TALBERT, BRIGHT  
& ELLINGTON**  
ENGINEERING & PLANNING CONSULTANTS  
3525 WHITEHALL PARK DRIVE, STE 210  
CHARLOTTE, NORTH CAROLINA 28273  
PHONE: 704-426-6070 FAX: 704-426-6880  
NC LICENSE NO. C-1163

| REV. NO. | DESCRIPTION               | DATE     |
|----------|---------------------------|----------|
| 2        | FAA COMMENTS ADDRESSED    | 07/22/16 |
| 1        | INDOIA COMMENTS ADDRESSED | 03/03/16 |





**PROFILE VIEW RUNWAY 2 END**  
SCALE: 1"=200' HORIZONTAL  
1"=20' VERTICAL

- NOTE:
1. FOR DEPARTURE SURFACE OBSTRUCTION DATA INFORMATION, SEE SHEET 18 OF 21.
  2. ALL IDENTIFIED OBSTRUCTIONS ARE HIGHEST POINTS LOCATED IN OBSTRUCTION AREAS.
  3. LATEST OBSTRUCTION SURVEY COMPLETED ON FEBRUARY 4, 2015.

| LEGEND                                             |          |
|----------------------------------------------------|----------|
| ITEM                                               | EXISTING |
| EXISTING GROUND (PROFILE)                          | ---      |
| DEPARTURE SURFACE                                  | - - - -  |
| DEPARTURE SURFACE IDENTIFIED OBSTRUCTION (PROFILE) | •        |

**RUNWAY 02 DEPARTUER SURFACE  
EXISTING PROFILE VIEW  
AIRPORT LAYOUT PLAN UPDATE**

**ROWAN COUNTY AIRPORT**

**PRELIMINARY  
NOT RELEASED  
FOR CONSTRUCTION**

|             |           |
|-------------|-----------|
| Designed    | MWP       |
| Date        | NOV. 2015 |
| Scale       | AS SHOWN  |
| Drawn       | MWP       |
| Checked     | JEL       |
| Project No. | 3708-1401 |
| Sheet No.   |           |

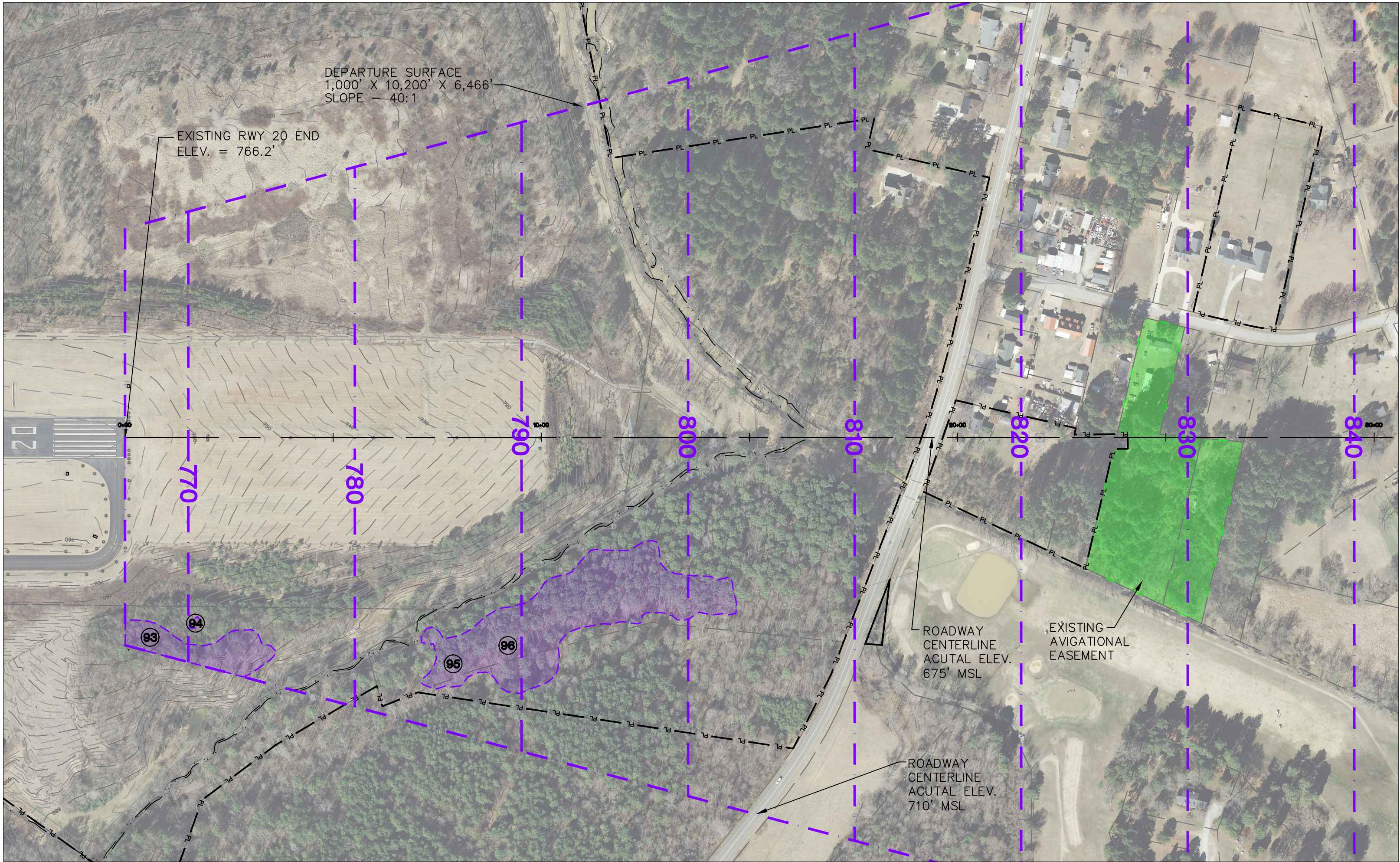
**13**

OF **21**

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NC LICENSE NO. C-1163

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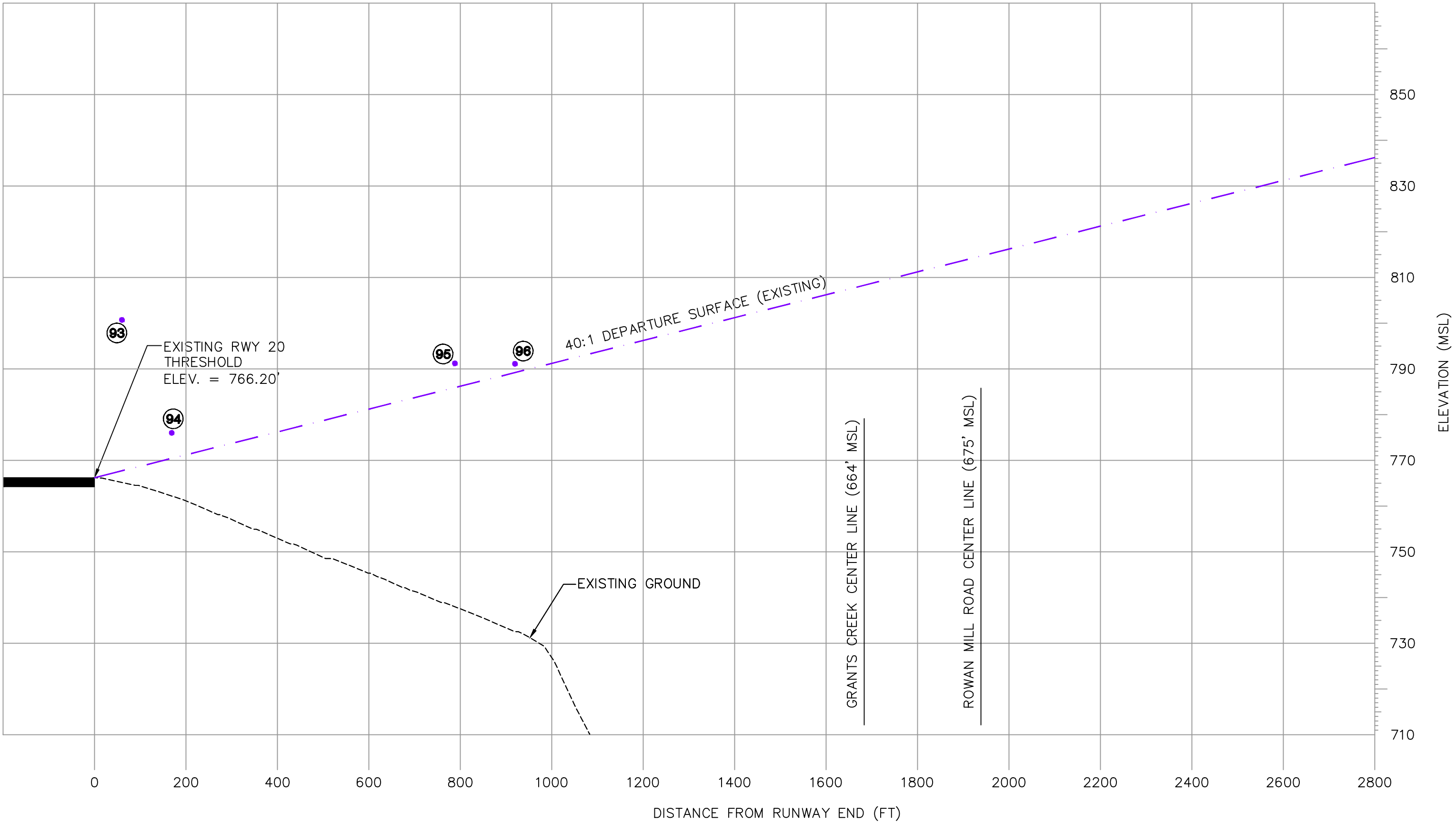




PLAN VIEW RUNWAY 20 END

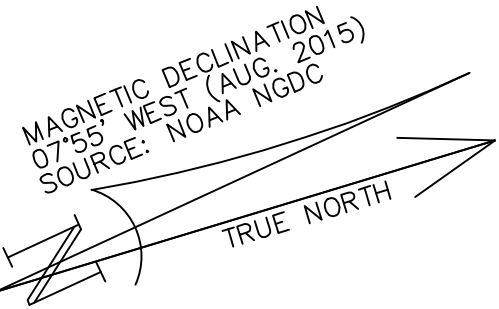
SCALE: 1"=200'

EXISTING APPROACH : PRECISION  
ULTIMATE APPROACH : PRECISION



PROFILE VIEW RUNWAY 20 END

SCALE: 1"=200' HORIZONTAL  
1"=20' VERTICAL



- NOTE:
1. FOR DEPARTURE SURFACE OBSTRUCTION DATA INFORMATION, SEE SHEET 18 OF 21.
  2. ALL IDENTIFIED OBSTRUCTIONS ARE HIGHEST POINTS LOCATED IN OBSTRUCTION AREAS.
  3. LATEST OBSTRUCTION SURVEY COMPLETED ON FEBRUARY 4, 2015.

| LEGEND                                             |          |
|----------------------------------------------------|----------|
| ITEM                                               | EXISTING |
| GROUND CONTOURS                                    |          |
| ROADS (PAVED)                                      |          |
| AIRPORT PROPERTY LINE (PL)                         |          |
| EXISTING GROUND                                    |          |
| DEPARTURE SURFACE                                  |          |
| DEPARTURE SURFACE OBSTRUCTION AREA                 |          |
| DEPARTURE SURFACE IDENTIFIED OBSTRUCTION (PROFILE) |          |

RUNWAY 20 DEPARTURE SURFACE  
EXISTING PLAN AND PROFILE  
AIRPORT LAYOUT PLAN UPDATE

ROWAN COUNTY AIRPORT

PRELIMINARY  
NOT RELEASED  
FOR CONSTRUCTION

|             |           |
|-------------|-----------|
| Designed    | MWP       |
| Date        | NOV. 2015 |
| Scale       | AS SHOWN  |
| Drawn       | MWP       |
| Checked     | JEL       |
| Project No. | 3708-1401 |
| Sheet No.   |           |

14

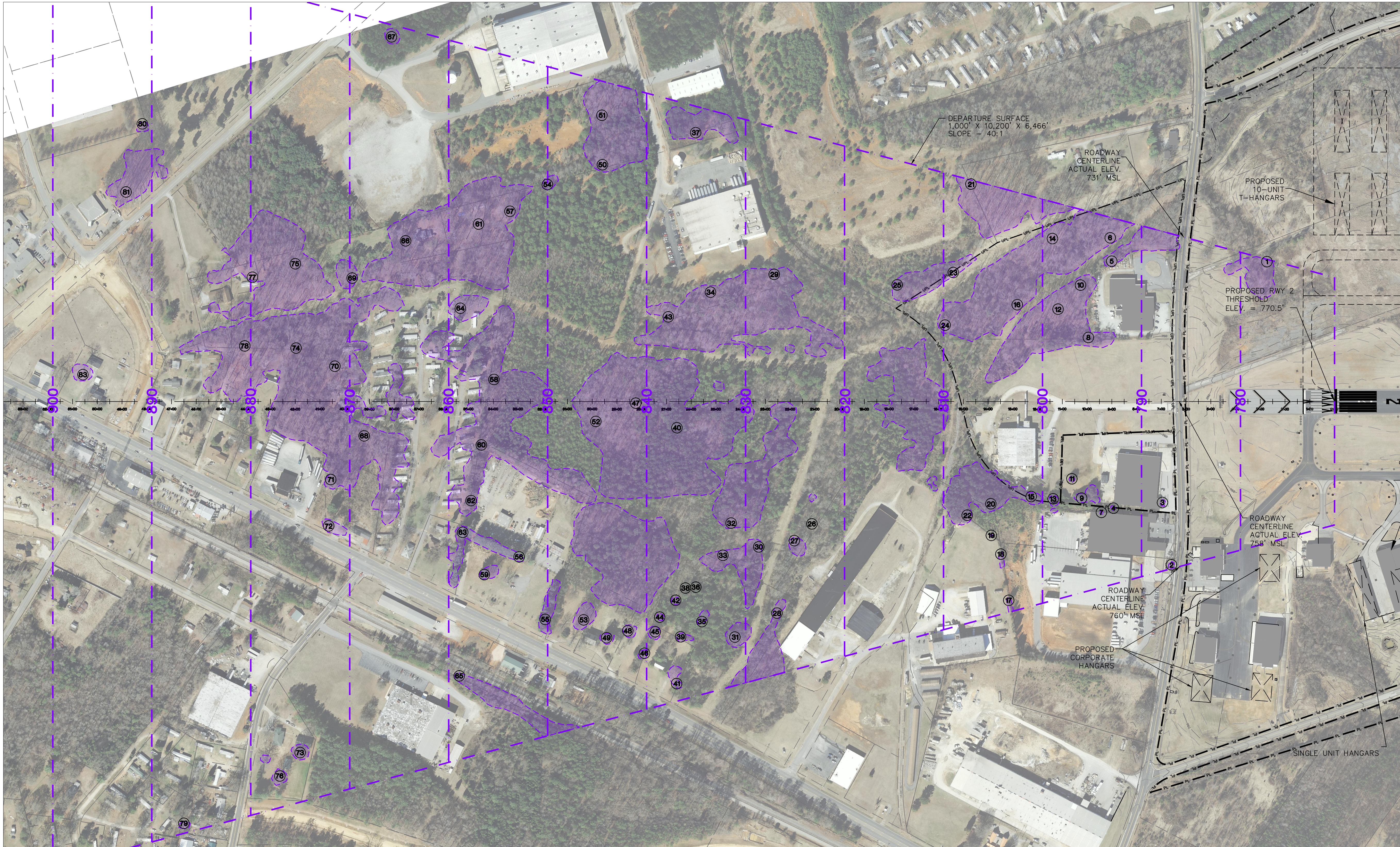
OF 21

TALBERT, BRIGHT  
& ELLINGTON

ENGINEERING & PLANNING CONSULTANTS  
3925 WHITEHALL PARK DRIVE, STE 210  
CHARLOTTE, NORTH CAROLINA 28273  
PHONE: 704-446-6070 FAX: 704-446-6080  
NC LICENSE NO. C-1163

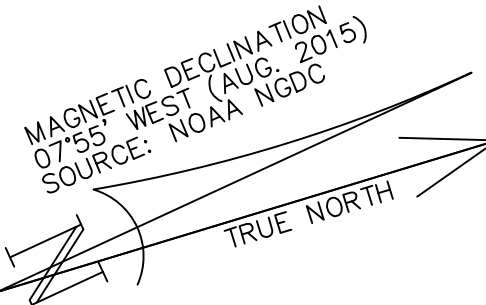
| REV. NO. | DESCRIPTION                     | DATE     |
|----------|---------------------------------|----------|
| 3        | ROWAN COUNTY COMMENTS ADDRESSED | 10/03/16 |
| 2        | FAA COMMENTS ADDRESSED          | 07/22/16 |
| 1        | INDOA COMMENTS ADDRESSED        | 03/03/16 |





EXISTING APPROACH : NON-PRECISION  
ULTIMATE APPROACH : NON-PRECISION

**PLAN VIEW RUNWAY 2 END**  
SCALE: 1"=200'



- NOTE:
- 1. FOR DEPARTURE SURFACE OBSTRUCTION DATA INFORMATION, SEE SHEET 18 OF 21.
  - 2. ALL IDENTIFIED OBSTRUCTIONS ARE HIGHEST POINTS LOCATED IN OBSTRUCTION AREAS.
  - 3. LATEST OBSTRUCTION SURVEY COMPLETED ON FEBRUARY 4, 2015.

| LEGEND                             |          |
|------------------------------------|----------|
| ITEM                               | EXISTING |
| GROUND CONTOURS                    | 660      |
| ROADS (PAVED)                      |          |
| PROPOSED AIRFIELD PAVEMENT         |          |
| AIRPORT PROPERTY LINE              | PL       |
| EXISTING GROUND                    |          |
| DEPARTURE SURFACE                  |          |
| DEPARTURE SURFACE OBSTRUCTION AREA |          |

**RUNWAY 02 DEPARTURE SURFACE  
ULTIMATE PLAN VIEW  
AIRPORT LAYOUT PLAN UPDATE**

ROWAN COUNTY AIRPORT

**PRELIMINARY  
NOT RELEASED  
FOR CONSTRUCTION**

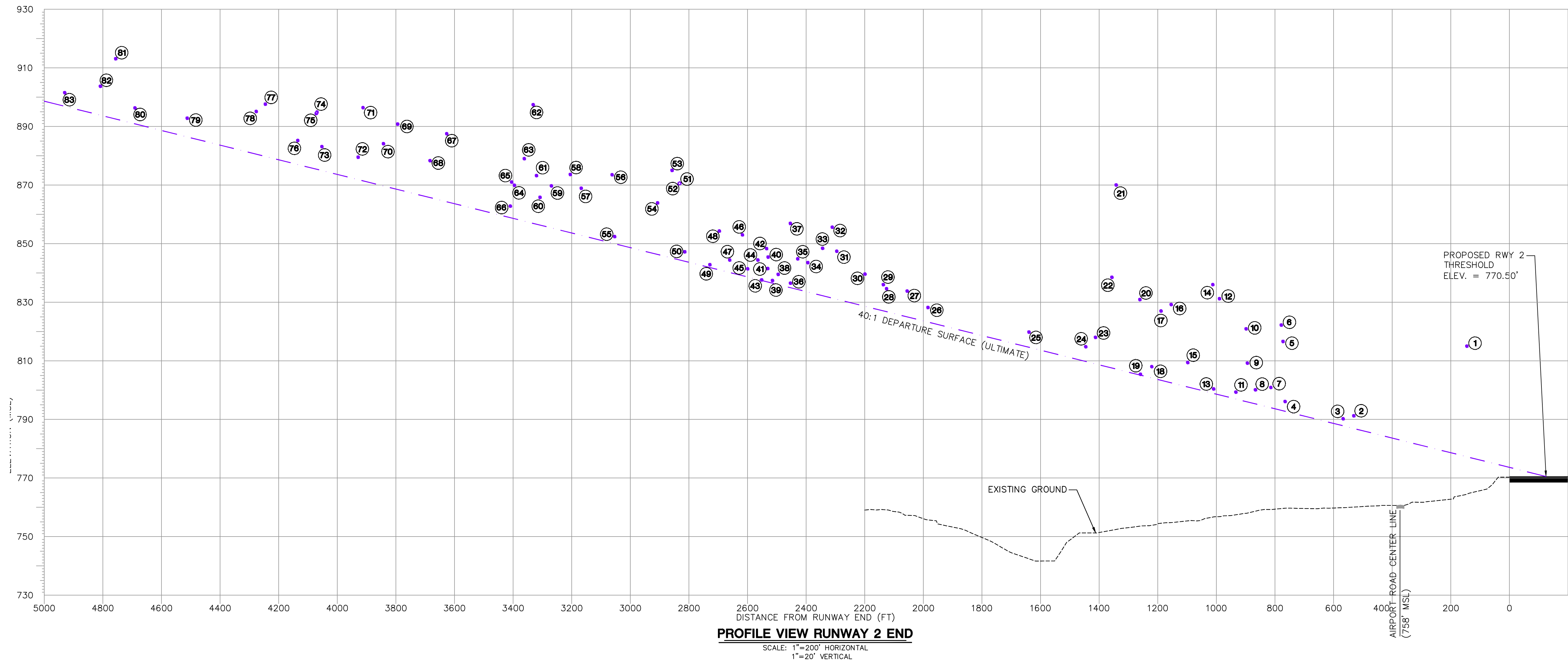
Designed MWP  
Date NOV. 2015  
Scale AS SHOWN  
Drawn MWP  
Checked JEL  
Project No. 3708-1401  
Sheet No.

**TALBERT, BRIGHT  
& ELLINGTON**  
ENGINEERING & PLANNING CONSULTANTS  
3525 WHITEHALL PARK DRIVE  
CHARLOTTE, NORTH CAROLINA 28273  
PHONE: 704-446-6070 FAX: 704-446-6880  
NC LICENSE NO. C-1163

| REV. NO. | DESCRIPTION               | DATE     |
|----------|---------------------------|----------|
| 2        | FAA COMMENTS ADDRESSED    | 07/22/16 |
| 1        | INDOIA COMMENTS ADDRESSED | 03/03/16 |



FILE: 1407-DEPARTURE\_ULT.dwg



- NOTE:
1. FOR DEPARTURE SURFACE OBSTRUCTION DATA INFORMATION, SEE SHEET 18 OF 21.
  2. ALL IDENTIFIED OBSTRUCTIONS ARE HIGHEST POINTS LOCATED IN OBSTRUCTION AREAS.
  3. LATEST OBSTRUCTION SURVEY COMPLETED ON FEBRUARY 4, 2015.

| LEGEND                                             |          |
|----------------------------------------------------|----------|
| ITEM                                               | EXISTING |
| EXISTING GROUND                                    | ---      |
| DEPARTURE SURFACE                                  | ---      |
| DEPARTURE SURFACE IDENTIFIED OBSTRUCTION (PROFILE) | •        |

**RUNWAY 02 DEPARTURE SURFACE  
ULTIMATE PROFILE VIEW  
AIRPORT LAYOUT PLAN UPDATE**

**ROWAN COUNTY AIRPORT**

**PRELIMINARY  
NOT RELEASED  
FOR CONSTRUCTION**

|             |           |
|-------------|-----------|
| Designed    | MWP       |
| Date        | NOV. 2015 |
| Scale       | AS SHOWN  |
| Drawn       | MWP       |
| Checked     | JEL       |
| Project No. | 3708-1401 |
| Sheet No.   |           |

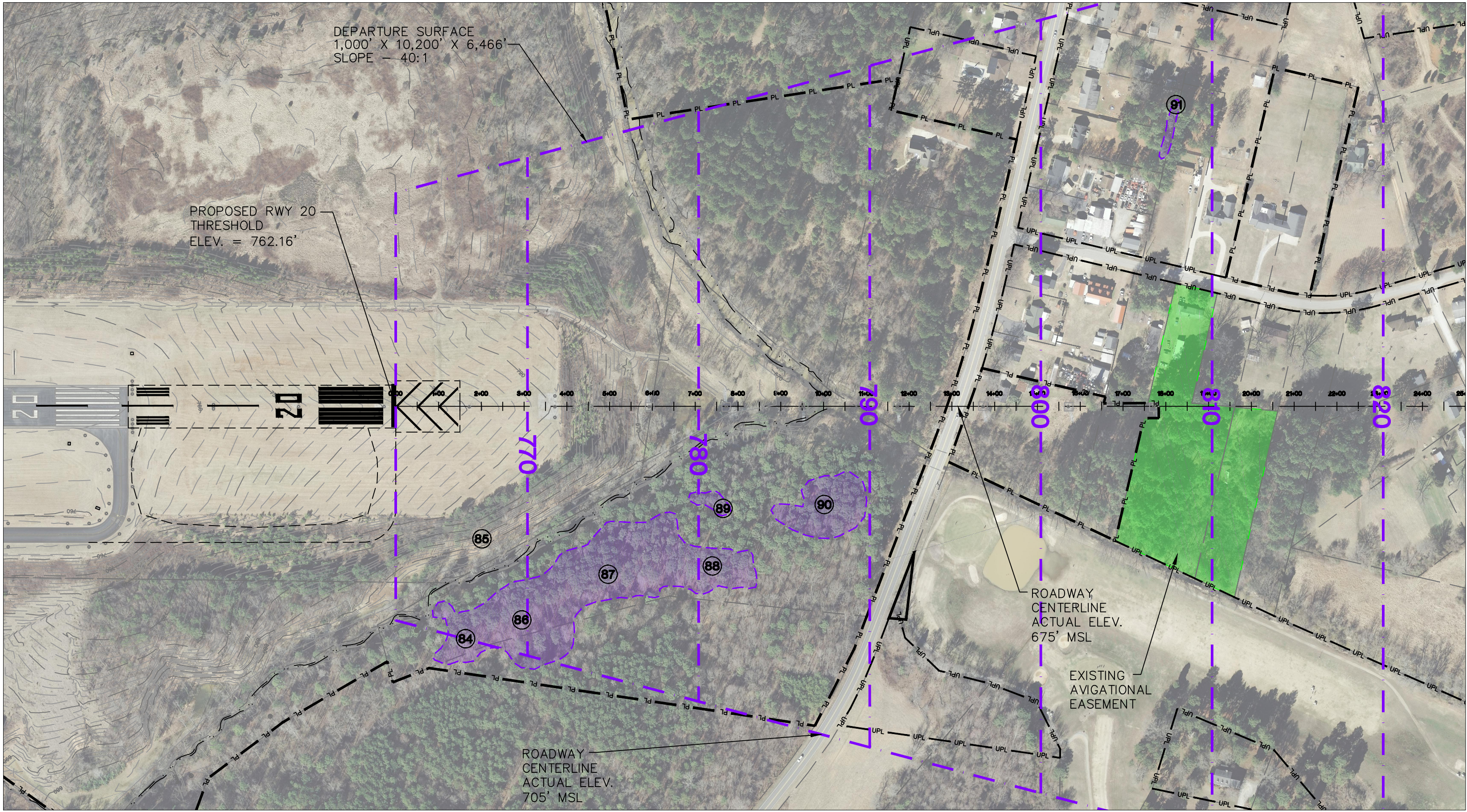
**16**

OF **21**

**TALBERT, BRIGHT  
& ELLINGTON**  
ENGINEERING & PLANNING CONSULTANTS  
353 WHITEHALL PARK DRIVE  
CHARLOTTE, NORTH CAROLINA 28273  
PHONE: 704-426-6070 FAX: 704-426-6860  
NC LICENSE NO. C-1163

| REV. NO. | DESCRIPTION              | DATE     |
|----------|--------------------------|----------|
| 1        | INDOA COMMENTS ADDRESSED | 03/03/16 |
| 2        | FAA COMMENTS ADDRESSED   | 07/22/16 |
|          |                          |          |
|          |                          |          |
|          |                          |          |
|          |                          |          |

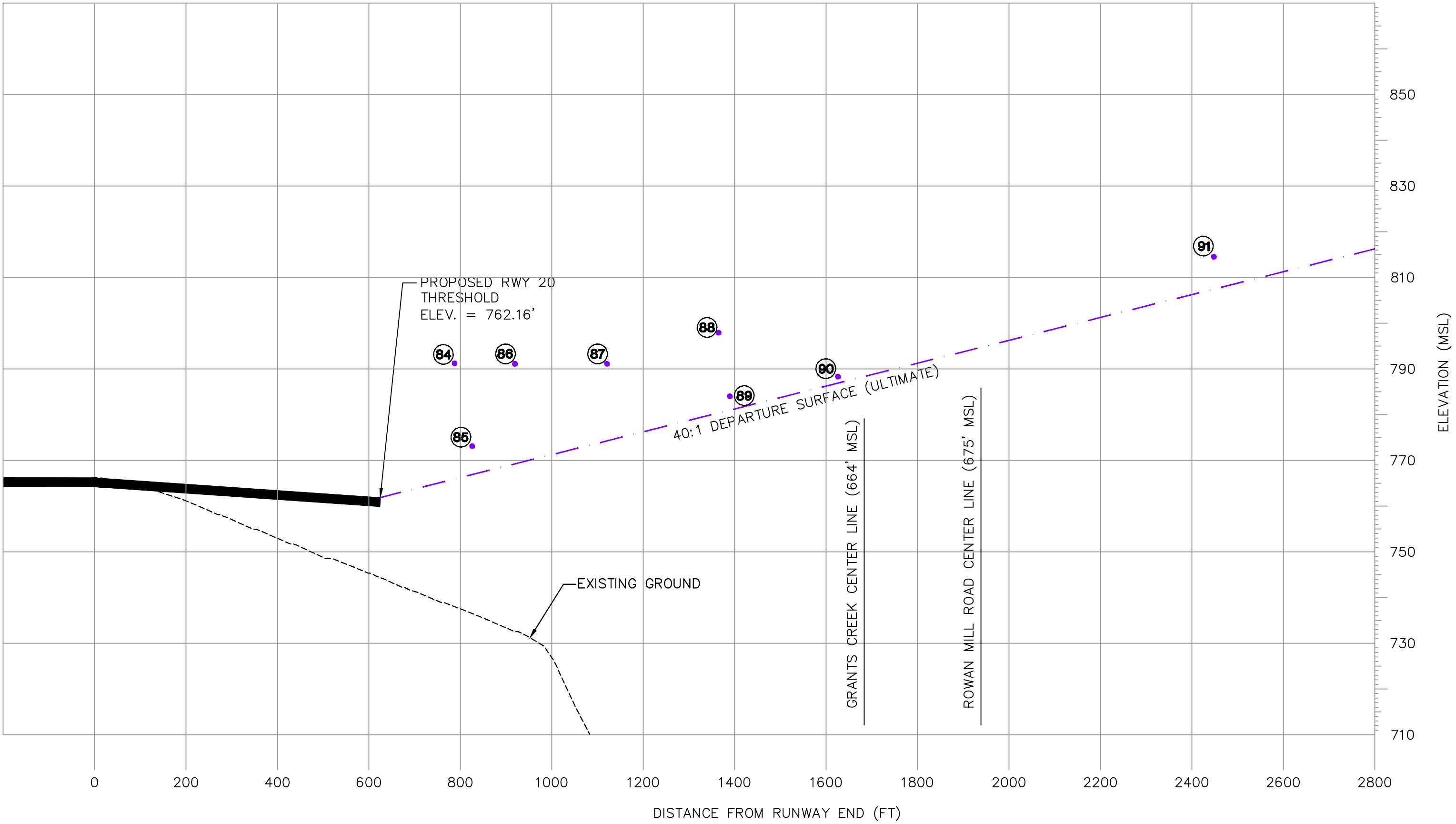
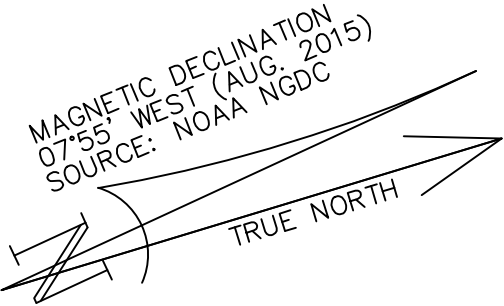




PLAN VIEW RUNWAY 20 END

SCALE: 1"=200'

EXISTING APPROACH : PRECISION  
ULTIMATE APPROACH : PRECISION



PROFILE VIEW RUNWAY 20 END

SCALE: 1"=200' HORIZONTAL  
1"=20' VERTICAL

- NOTE:
- 1. FOR DEPARTURE SURFACE OBSTRUCTION DATA INFORMATION, SEE SHEET 18 OF 21.
  - 2. ALL IDENTIFIED OBSTRUCTIONS ARE HIGHEST POINTS LOCATED IN OBSTRUCTION AREAS.
  - 3. LATEST OBSTRUCTION SURVEY COMPLETED ON FEBRUARY 4, 2015.

| LEGEND                                             |          |
|----------------------------------------------------|----------|
| ITEM                                               | EXISTING |
| GROUND CONTOURS                                    |          |
| ROADS (PAVED)                                      |          |
| PROPOSED AIRFIELD PAVEMENT                         |          |
| AIRPORT PROPERTY LINE                              |          |
| EXISTING GROUND                                    |          |
| DEPARTURE SURFACE                                  |          |
| DEPARTURE SURFACE OBSTRUCTION AREA                 |          |
| DEPARTURE SURFACE IDENTIFIED OBSTRUCTION (PROFILE) |          |

RUNWAY 20 DEPARTURE SURFACE  
ULTIMATE PLAN AND PROFILE  
AIRPORT LAYOUT PLAN UPDATE

ROWAN COUNTY AIRPORT

PRELIMINARY  
NOT RELEASED  
FOR CONSTRUCTION

|             |           |
|-------------|-----------|
| Designed    | MWP       |
| Date        | NOV. 2015 |
| Scale       | AS SHOWN  |
| Drawn       | MWP       |
| Checked     | JEL       |
| Project No. | 3708-1401 |
| Sheet No.   |           |

17

OF 21

TALBERT, BRIGHT  
& ELLINGTON  
ENGINEERING & PLANNING CONSULTANTS  
3325 WHITEHALL PARK DRIVE  
CHARLOTTE, NORTH CAROLINA 28273  
PHONE: 704-426-6070 FAX: 704-426-6880  
NC LICENSE NO. C-1163

| REV. NO. | DATE     | DESCRIPTION              | REVISIONS |
|----------|----------|--------------------------|-----------|
| 3        | 10/03/16 | ROWAN COMMENTS ADDRESSED |           |
| 2        | 07/22/16 | FAA COMMENTS ADDRESSED   |           |
| 1        | 03/03/16 | NCDOA COMMENTS ADDRESSED |           |



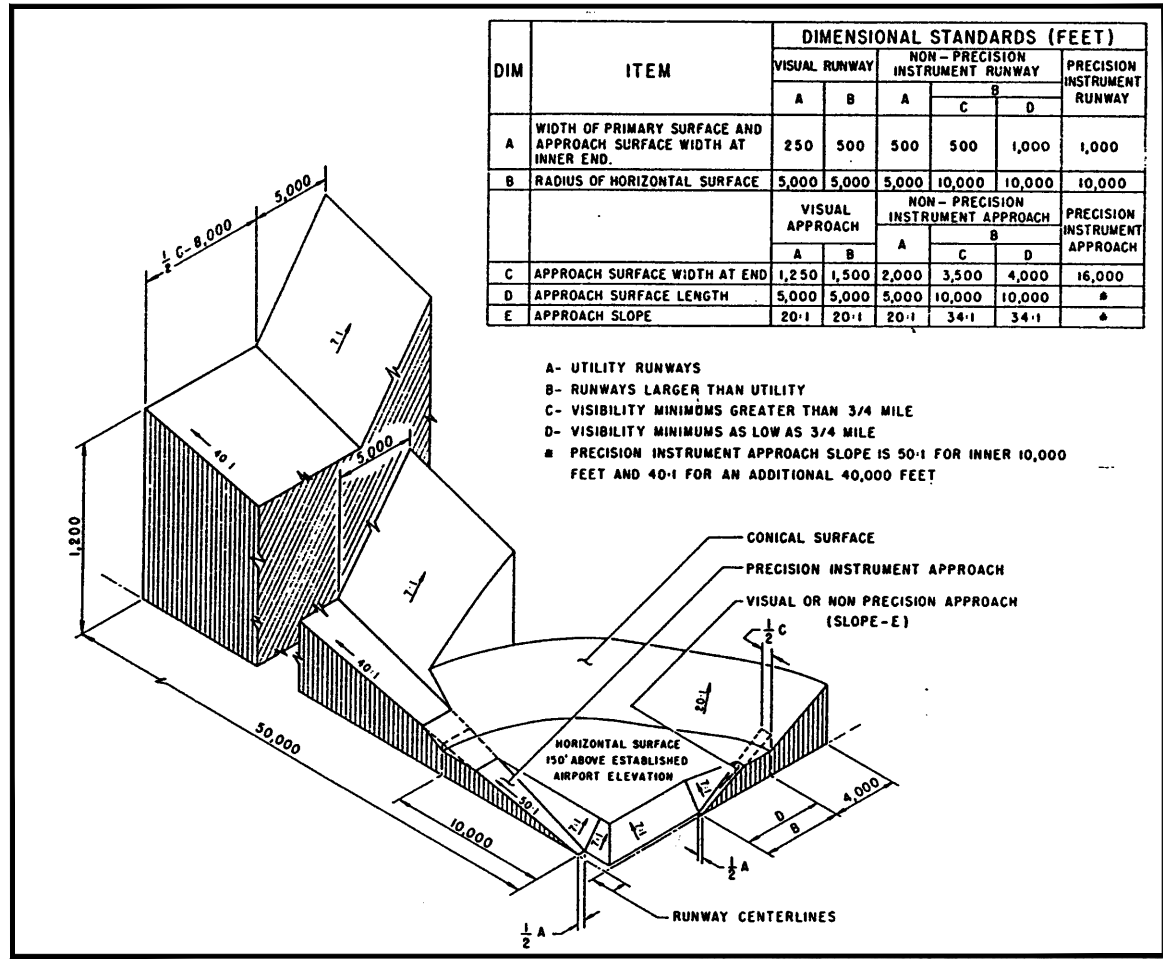
EXISTING RUNWAY 02 INNER APPROACH OBSTRUCTION DATA

| NO. | DESCRIPTION | SURFACE<br>PENETRATING | ELEVATION | SURFACE<br>ELEVATION | PENETRATION | DISTANCE FROM<br>RUNWAY THRESHOLD | OFFSET FROM<br>RUNWAY CENTERLINE | PROPOSED<br>ACTION |
|-----|-------------|------------------------|-----------|----------------------|-------------|-----------------------------------|----------------------------------|--------------------|
| 1   | TREES       | DEPARTURE              | 815.00    | 775.50               | 39.50       | 2+00.00                           | 496.48 R                         | TO BE REMOVED      |
| 2   | TREES       | DEPARTURE              | 790.20    | 784.69               | 5.51        | 5+67.40                           | 407.93 L                         | TO BE REMOVED      |
| 3   | TREES       | DEPARTURE              | 796.10    | 789.64               | 6.46        | 7+65.50                           | 430.85 L                         | TO BE REMOVED      |
| 4   | TREES       | DEPARTURE              | 816.60    | 789.81               | 26.79       | 7+72.33                           | 566.95 R                         | TO BE REMOVED      |
| 5   | TREES       | DEPARTURE              | 822.20    | 789.96               | 32.24       | 7+78.39                           | 661.42 R                         | TO BE REMOVED      |
| 6   | TREES       | DEPARTURE              | 800.90    | 790.85               | 10.05       | 8+14.10                           | 447.87 L                         | TO BE REMOVED      |
| 7   | TREES       | DEPARTURE              | 800.10    | 792.17               | 7.93        | 8+66.64                           | 258.79 R                         | TO BE REMOVED      |
| 8   | TREES       | DEPARTURE              | 809.20    | 792.85               | 16.35       | 8+94.16                           | 390.49 L                         | TO BE REMOVED      |
| 9   | TREES       | DEPARTURE              | 820.90    | 792.96               | 27.94       | 8+98.54                           | 470.42 R                         | TO BE REMOVED      |
| 10  | TREES       | DEPARTURE              | 799.30    | 793.84               | 5.46        | 9+33.46                           | 312.34 L                         | TO BE REMOVED      |
| 11  | TREES       | DEPARTURE              | 831.20    | 795.23               | 35.97       | 9+89.28                           | 373.20 R                         | TO BE REMOVED      |
| 12  | TREES       | DEPARTURE              | 797.40    | 795.72               | 1.68        | 10+08.79                          | 442.17 L                         | TO BE REMOVED      |
| 13  | TREES       | DEPARTURE              | 804.00    | 795.73               | 8.27        | 10+09.31                          | 393.05 L                         | TO BE REMOVED      |
| 14  | TREES       | DEPARTURE              | 836.00    | 795.80               | 40.20       | 10+12.08                          | 658.42 R                         | TO BE REMOVED      |
| 15  | TREES       | DEPARTURE              | 809.40    | 797.94               | 11.46       | 10+97.73                          | 383.90 L                         | TO BE REMOVED      |
| 16  | TREES       | DEPARTURE              | 829.20    | 799.35               | 29.85       | 11+54.17                          | 391.11 R                         | TO BE REMOVED      |
| 17  | TREES       | DEPARTURE              | 827.00    | 800.22               | 26.78       | 11+88.75                          | 846.09 L                         | TO BE REMOVED      |
| 18  | TREES       | DEPARTURE              | 808.00    | 801.01               | 6.99        | 12+20.43                          | 616.67 L                         | TO BE REMOVED      |
| 19  | TREES       | DEPARTURE              | 862.90    | 801.87               | 61.03       | 12+54.93                          | 765.80 R                         | TO BE REMOVED      |
| 20  | TREES       | DEPARTURE              | 805.40    | 801.97               | 3.43        | 12+58.97                          | 540.86 L                         | TO BE REMOVED      |
| 21  | TREES       | DEPARTURE              | 830.90    | 802.02               | 28.88       | 12+60.93                          | 413.04 L                         | TO BE REMOVED      |
| 22  | TREES       | DEPARTURE              | 870.00    | 804.41               | 65.59       | 13+56.46                          | 879.50 R                         | TO BE REMOVED      |
| 23  | TREES       | DEPARTURE              | 818.00    | 805.81               | 12.19       | 14+12.50                          | 521.23 R                         | TO BE REMOVED      |
| 24  | TREES       | DEPARTURE              | 814.80    | 806.65               | 8.15        | 14+45.81                          | 308.80 R                         | TO BE REMOVED      |
| 25  | TREES       | DEPARTURE              | 810.00    | 807.25               | 2.75        | 14+70.11                          | 58.00 R                          | TO BE REMOVED      |
| 26  | TREES       | DEPARTURE              | 810.00    | 807.77               | 2.23        | 14+90.82                          | 352.70 L                         | TO BE REMOVED      |
| 27  | TREES       | DEPARTURE              | 819.80    | 811.49               | 8.31        | 16+39.49                          | 471.33 R                         | TO BE REMOVED      |
| 28  | TREES       | DEPARTURE              | 816.30    | 813.78               | 2.52        | 17+31.16                          | 133.04 R                         | TO BE REMOVED      |
| 29  | TREES       | DEPARTURE              | 821.60    | 820.10               | 1.50        | 19+83.93                          | 387.05 L                         | TO BE REMOVED      |
| 30  | TREES       | DEPARTURE              | 828.20    | 820.10               | 8.10        | 19+84.16                          | 494.41 L                         | TO BE REMOVED      |
| 31  | TREES       | DEPARTURE              | 833.80    | 821.88               | 11.92       | 20+55.00                          | 561.97 L                         | TO BE REMOVED      |
| 32  | TREES       | DEPARTURE              | 822.80    | 822.14               | 0.66        | 20+65.58                          | 215.05 R                         | TO BE REMOVED      |
| 33  | TREES       | DEPARTURE              | 834.60    | 823.64               | 10.96       | 21+25.44                          | 854.77 L                         | TO BE REMOVED      |
| 34  | TREES       | DEPARTURE              | 836.00    | 823.91               | 12.09       | 21+36.46                          | 513.86 R                         | TO BE REMOVED      |
| 35  | TREES       | DEPARTURE              | 839.60    | 825.48               | 14.12       | 21+99.03                          | 587.35 L                         | TO BE REMOVED      |
| 36  | TREES       | DEPARTURE              | 847.40    | 827.88               | 19.52       | 22+95.32                          | 951.91 L                         | TO BE REMOVED      |
| 37  | TREES       | DEPARTURE              | 855.60    | 828.27               | 27.33       | 23+10.65                          | 491.11 L                         | TO BE REMOVED      |
| 38  | TREES       | DEPARTURE              | 848.40    | 829.09               | 19.31       | 23+43.73                          | 621.44 L                         | TO BE REMOVED      |
| 39  | TREES       | DEPARTURE              | 843.50    | 830.35               | 13.15       | 23+93.88                          | 441.91 R                         | TO BE REMOVED      |
| 40  | TREES       | DEPARTURE              | 844.80    | 831.22               | 13.58       | 24+28.65                          | 889.14 L                         | TO BE REMOVED      |
| 41  | TREES       | DEPARTURE              | 836.50    | 831.83               | 4.67        | 24+53.29                          | 750.04 L                         | TO BE REMOVED      |
| 42  | TREES       | DEPARTURE              | 856.90    | 832.85               | 24.05       | 24+53.83                          | 1086.51 R                        | TO BE REMOVED      |
| 43  | TREES       | DEPARTURE              | 839.50    | 832.88               | 6.62        | 24+95.23                          | 753.63 L                         | TO BE REMOVED      |
| 44  | TREES       | DEPARTURE              | 837.40    | 833.37               | 4.03        | 25+14.71                          | 950.64 L                         | TO BE REMOVED      |
| 45  | TREES       | DEPARTURE              | 845.40    | 833.74               | 11.66       | 25+29.53                          | 106.06 L                         | TO BE REMOVED      |
| 46  | TREES       | DEPARTURE              | 841.50    | 833.77               | 7.73        | 25+30.77                          | 1139.65 L                        | TO BE REMOVED      |
| 47  | TREES       | DEPARTURE              | 848.30    | 833.87               | 14.43       | 24+34.64                          | 803.03 L                         | TO BE REMOVED      |
| 48  | TREES       | DEPARTURE              | 837.60    | 834.28               | 3.32        | 25+51.37                          | 307.97 L                         | TO BE REMOVED      |
| 49  | TREES       | DEPARTURE              | 844.40    | 834.61               | 9.79        | 25+64.55                          | 342.20 R                         | TO BE REMOVED      |
| 50  | TREES       | DEPARTURE              | 841.40    | 835.48               | 5.92        | 25+99.28                          | 871.14 L                         | TO BE REMOVED      |
| 51  | TREES       | DEPARTURE              | 853.00    | 835.93               | 17.07       | 26+17.28                          | 930.26 L                         | TO BE REMOVED      |
| 52  | TREES       | DEPARTURE              | 844.40    | 837.01               | 7.39        | 25+30.77                          | 1017.15 L                        | TO BE REMOVED      |
| 53  | TREES       | DEPARTURE              | 854.30    | 837.90               | 16.40       | 26+95.97                          | 6.59 L                           | TO BE REMOVED      |
| 54  | TREES       | DEPARTURE              | 842.80    | 838.71               | 4.09        | 27+28.25                          | 926.64 L                         | TO BE REMOVED      |
| 55  | TREES       | DEPARTURE              | 847.20    | 840.85               | 6.35        | 28+13.82                          | 954.51 L                         | TO BE REMOVED      |
| 56  | TREES       | DEPARTURE              | 870.60    | 841.27               | 29.33       | 28+30.66                          | 956.93 R                         | TO BE REMOVED      |
| 57  | TREES       | DEPARTURE              | 870.50    | 841.32               | 29.18       | 28+32.89                          | 1156.68 R                        | TO BE REMOVED      |
| 58  | TREES       | DEPARTURE              | 875.00    | 841.94               | 33.06       | 28+57.41                          | 80.49 L                          | TO BE REMOVED      |
| 59  | TREES       | DEPARTURE              | 863.90    | 843.17               | 20.73       | 29+06.72                          | 882.19 L                         | TO BE REMOVED      |
| 60  | TREES       | DEPARTURE              | 847.30    | 844.73               | 2.57        | 29+69.05                          | 284.88 L                         | TO BE REMOVED      |
| 61  | TREES       | DEPARTURE              | 852.40    | 846.31               | 6.09        | 30+53.26                          | 877.05 R                         | TO BE REMOVED      |
| 62  | TREES       | DEPARTURE              | 873.50    | 847.05               | 26.45       | 30+61.94                          | 880.34 L                         | TO BE REMOVED      |
| 63  | TREES       | DEPARTURE              | 868.90    | 849.69               | 19.21       | 31+67.43                          | 627.85 L                         | TO BE REMOVED      |
| 64  | TREES       | DEPARTURE              | 873.60    | 850.61               | 22.99       | 32+04.52                          | 768.71 R                         | TO BE REMOVED      |
| 65  | TREES       | DEPARTURE              | 869.70    | 852.23               | 17.47       | 32+69.19                          | 89.09 R                          | TO BE REMOVED      |
| 66  | TREES       | DEPARTURE              | 865.80    | 853.20               | 12.60       | 33+08.07                          | 699.39 L                         | TO BE REMOVED      |
| 67  | TREES       | DEPARTURE              | 873.20    | 853.50               | 19.70       | 33+19.98                          | 175.32 L                         | TO BE REMOVED      |
| 68  | TREES       | DEPARTURE              | 897.40    | 853.78               | 43.62       | 33+31.22                          | 717.10 R                         | TO BE REMOVED      |
| 69  | TREES       | DEPARTURE              | 879.00    | 854.54               | 24.46       | 33+61.59                          | 400.28 L                         | TO BE REMOVED      |
| 70  | TREES       | DEPARTURE              | 869.90    | 855.38               | 14.52       | 33+95.34                          | 528.53 L                         | TO BE REMOVED      |
| 71  | TREES       | DEPARTURE              | 871.00    | 855.62               | 15.38       | 34+04.88                          | 376.87 R                         | TO BE REMOVED      |
| 72  | TREES       | DEPARTURE              | 862.80    | 855.73               | 7.07        | 34+09.33                          | 1108.60 L                        | TO BE REMOVED      |
| 73  | TREES       | DEPARTURE              | 887.50    | 861.16               | 26.34       | 36+26.21                          | 649.29 R                         | TO BE REMOVED      |
| 74  | TREES       | DEPARTURE              | 862.50    | 862.07               | 0.43        | 36+62.61                          | 8.32 R                           | TO BE REMOVED      |
| 75  | TREES       | DEPARTURE              | 865.60    | 862.53               | 3.07        | 36+81.18                          | 425.82 R                         | TO BE REMOVED      |
| 76  | TREES       | DEPARTURE              | 878.30    | 862.58               | 15.72       | 36+83.16                          | 1473.61 R                        | TO BE REMOVED      |
| 77  | TREES       | DEPARTURE              | 890.80    | 865.34               | 25.46       | 37+93.70                          | 138.96 L                         | TO BE REMOVED      |
| 78  | TREES       | DEPARTURE              | 884.10    | 866.56               | 17.54       | 38+42.30                          | 498.78 R                         | TO BE REMOVED      |
| 79  | TREES       | DEPARTURE              | 896.40    | 868.30               | 28.10       | 39+11.91                          | 142.58 R                         | TO BE REMOVED      |
| 80  | TREES       | DEPARTURE              | 879.50    | 868.72               | 10.78       | 39+28.73                          | 315.20 L                         | TO BE REMOVED      |
| 81  | TREES       | DEPARTURE              | 873.90    | 868.92               | 4.98        | 39+36.95                          | 502.65 L                         | TO BE REMOVED      |
| 82  | TREES       | DEPARTURE              | 883.10    | 871.80               | 11.30       | 40+52.20                          | 1418.50 L                        | TO BE REMOVED      |
| 83  | TREES       | DEPARTURE              | 894.90    | 872.22               | 22.68       | 40+68.87                          | 216.01 R                         | TO BE REMOVED      |
| 84  | TREES       | DEPARTURE              | 894.40    | 872.29               | 22.11       | 40+71.69                          | 556.67 R                         | TO BE REMOVED      |
| 85  | TREES       | DEPARTURE              | 885.20    | 873.86               | 11.34       | 41+34.54                          | 1512.94 L                        | TO BE REMOVED      |
| 86  | TREES       | DEPARTURE              | 876.40    | 875.54               | 0.86        | 42+01.69                          | 1445.65 L                        | TO BE REMOVED      |
| 87  | TREES       | DEPARTURE              | 897.60    | 876.63               | 20.97       | 42+45.31                          | 502.06 R                         | TO BE REMOVED      |
| 88  | TREES       | DEPARTURE              | 905.10    | 877.41               | 27.69       | 42+76.26                          | 224.58 R                         | TO BE REMOVED      |
| 89  | TREES       | DEPARTURE              | 892.80    | 883.29               | 9.51        | 45+22.08                          | 1714.31 L                        | TO BE REMOVED      |
| 90  | TREES       | DEPARTURE              | 896.30    | 887.75               | 8.55        | 46+90.15                          | 1122.15 R                        | TO BE REMOVED      |
| 91  | TREES       | DEPARTURE              | 913.10    | 889.40               | 23.70       | 47+55.96                          | 846.67 R                         | TO BE REMOVED      |
| 92  | TREES       | DEPARTURE              | 901.50    | 893.75               | 7.75        | 49+30.01                          | 108.60 R                         | TO BE REMOVED      |

ULTIMATE RUNWAY 02 INNER APPROACH OBSTRUCTION DATA

| NO. | DESCRIPTION | SURFACE<br>PENETRATING | ELEVATION | SURFACE<br>ELEVATION | PENETRATION | DISTANCE FROM<br>RUNWAY THRESHOLD | OFFSET FROM<br>RUNWAY CENTERLINE | PROPOSED<br>ACTION |
|-----|-------------|------------------------|-----------|----------------------|-------------|-----------------------------------|----------------------------------|--------------------|
| 1   | TREES       | DEPARTURE              | 815.00    | 777.25               | 37.75       | 2+73.36                           | 565.28 R                         | TO BE REMOVED      |
| 2   | TREES       | DEPARTURE              | 791.20    | 786.90               | 4.30        | 6+59.18                           | 659.67 L                         | TO BE REMOVED      |
| 3   | TREES       | DEPARTURE              | 790.20    | 787.81               | 2.39        | 6+95.37                           | 407.93 L                         | TO BE REMOVED      |
| 4   | TREES       | DEPARTURE              | 796.10    | 792.76               | 3.34        | 8+93.47                           | 430.85 L                         | TO BE REMOVED      |
| 5   | TREES       | DEPARTURE              | 816.60    | 792.93               | 23.67       | 9+00.30                           | 566.95 R                         | TO BE REMOVED      |
| 6   | TREES       | DEPARTURE              | 822.20    | 793.85               | 28.35       | 9+06.37                           | 661.42 R                         | TO BE REMOVED      |
| 7   | TREES       | DEPARTURE              | 800.90    | 793.98               | 6.92        | 9+42.07                           | 447.87 L                         | TO BE REMOVED      |
| 8   | TREES       | DEPARTURE              | 800.10    | 795.29               | 4.81        | 9+94.61                           | 258.79 R                         | TO BE REMOVED      |
| 9   | TREES       | DEPARTURE              | 809.20    | 795.98               | 13.22       | 10+22.14                          | 390.49 L                         | TO BE REMOVED      |
| 10  | TREES       | DEPARTURE              | 820.90    | 796.84               | 24.06       | 10+26.51                          | 470.42 R                         | TO BE REMOVED      |
| 11  | TREES       | DEPARTURE              | 799.30    | 796.96               | 2.34        | 10+61.44                          | 312.34 L                         | TO BE REMOVED      |
| 12  | TREES       | DEPARTURE              | 831.20    | 798.36               | 32.84       | 11+17.25                          | 373.20 R                         | TO BE REMOVED      |
| 13  | TREES       | DEPARTURE              | 804.00    | 798.86               | 5.14        | 11+37.29                          | 393.05 L                         | TO BE REMOVED      |
| 14  | TREES       | DEPARTURE              | 836.00    | 798.93               | 37.07       | 11+40.06                          | 658.42 R                         | TO BE REMOVED      |
| 15  | TREES       | DEPARTURE              | 809.40    | 801.07               | 8.33        | 12+25.71                          | 383.90 L                         | TO BE REMOVED      |
| 16  | TREES       | DEPARTURE              | 829.20    | 802.48               | 26.72       | 12+82.15                          | 391.11 R                         | TO BE REMOVED      |
| 17  | TREES       | DEPARTURE              | 827.00    | 803.34               | 23.66       | 13+11.61                          | 846.09 L                         | TO BE REMOVED      |
| 18  | TREES       | DEPARTURE              | 808.00    | 804.14               | 3.86        | 13+48.41                          | 616.67 L                         | TO BE REMOVED      |
| 19  | TREES       | DEPARTURE              | 805.40    | 805.10               | 0.30        | 13+86.95                          | 540.86 L                         | TO BE REMOVED      |
| 20  | TREES       | DEPARTURE              | 830.90    | 805.15               | 25.75       | 13+88.90                          | 413.04 L                         | TO BE REMOVED      |
| 21  | TREES       | DEPARTURE              | 870.00    | 807.17               | 62.83       | 14+69.76                          | 879.50 R                         | TO BE REMOVED      |
| 22  | TREES       | DEPARTURE              | 838.50    | 807.54               | 30.96       | 14+84.44                          | 459.46 L                         | TO BE REMOVED      |
| 23  | TREES       | DEPARTURE              | 818.00    | 808.94               | 9.06        | 15+40.48                          | 521.23 R                         | TO BE REMOVED      |
| 24  | TREES       | DEPARTURE              | 814.80    | 809.77               | 5.03        | 15+73.78                          | 308.80 R                         | TO BE REMOVED      |
| 25  | TREES       | DEPARTURE              | 819.80    | 814.61               | 5.19        | 17+67.47                          | 471.33 R                         | TO BE REMOVED      |
| 26  | TREES       | DEPARTURE              | 828.20    | 823.23               | 4.97        | 21+12.14                          | 494.41 L                         | TO BE REMOVED      |
| 27  | TREES       | DEPARTURE              | 833.80    | 825.00               | 8.80        | 21+82.98                          | 561.97 L                         | TO BE REMOVED      |
| 28  | TREES       | DEPARTURE              | 834.60    | 826.76               | 7.84        | 22+53.42                          | 854.77 L                         | TO BE REMOVED      |
| 29  | TREES       | DEPARTURE              | 836.00    | 827.04               | 8.96        | 22+64.44                          | 513.86 R                         | TO BE REMOVED      |
| 30  | TREES       | DEPARTURE              | 839.60    | 828.60               | 11.00       | 23+27.01                          | 587.35 L                         | TO BE REMOVED      |
| 31  | TREES       | DEPARTURE              | 847.40    | 831.01               | 16.39       | 24+25.30                          | 951.91 L                         | TO BE REMOVED      |
| 32  | TREES       | DEPARTURE              | 855.60    | 831.39               | 24.21       | 24+38.62                          | 491.11 L                         | TO BE REMOVED      |
| 33  | TREES       | DEPARTURE              | 848.40    | 832.22               | 16.18       | 24+71.71                          | 621.44 L                         | TO BE REMOVED      |
| 34  | TREES       | DEPARTURE              | 843.50    | 833.47               | 10.03       | 25+21.85                          | 441.91 R                         | TO BE REMOVED      |
| 35  | TREES       | DEPARTURE              | 844.80    | 834.34               | 10.46       | 25+56.62                          | 889.14 L                         | TO BE REMOVED      |
| 36  | TREES       | DEPARTURE              | 836.50    | 834.96               | 1.54        | 25+81.27                          | 750.04 L                         | TO BE REMOVED      |
| 37  | TREES       | DEPARTURE              | 856.90    | 834.97               | 21.93       | 25+81.80                          | 1086.51 R                        | TO BE REMOVED      |
| 38  | TREES       | DEPARTURE              | 839.50    | 836.01               | 3.49        | 25+23.20                          | 753.63 L                         | TO BE REMOVED      |
| 39  | TREES       | DEPARTURE              | 837.40    | 836.49               | 0.91        | 26+42.69                          | 950.64 L                         | TO BE REMOVED      |
| 40  | TREES       | DEPARTURE              | 845.40    | 836.86               | 8.54        | 26+57.50                          | 106.06 L                         | TO BE REMOVED      |
| 41  | TREES       | DEPARTURE              | 841.50    | 836.89               | 4.61        | 26+58.75                          | 1139.65 L                        | TO BE REMOVED      |
| 42  | TREES       | DEPARTURE              | 848.30    | 836.99               | 11.31       | 26+62.61                          | 803.03 L                         | TO BE REMOVED      |
| 43  | TREES       | DEPARTURE              | 844.40    | 837.41               | 6.99        | 26+92.53                          | 342.20 R                         | TO BE REMOVED      |
| 44  | TREES       | DEPARTURE              | 841.40    | 837.74               | 3.66        | 27+27.25                          | 871.14 L                         | TO BE REMOVED      |
| 45  | TREES       | DEPARTURE              | 853.00    | 838.61               | 14.39       | 27+45.26                          | 930.26 L                         | TO BE REMOVED      |
| 46  | TREES       | DEPARTURE              | 844.40    | 839.06               | 5.34        | 27+88.55                          | 1017.15 L                        | TO BE REMOVED      |
| 47  | TREES       | DEPARTURE              | 854.30    | 840.14               | 14.16       | 82+23.95                          | 6.59 L                           | TO BE REMOVED      |
| 48  | TREES       | DEPARTURE              | 842.80    | 841.02               | 1.78        | 28+56.22                          | 926.64 L                         | TO BE REMOVED      |
| 49  | TREES       | DEPARTURE              | 847.20    | 841.83               | 5.37        | 29+41.80                          | 954.51 L                         | TO BE REMOVED      |
| 50  | TREES       | DEPARTURE              | 870.60    | 843.97               | 26.63       | 29+58.63                          | 956.93 R                         | TO BE REMOVED      |
| 51  | TREES       | DEPARTURE              | 870.50    | 844.39               | 26.11       | 29+60.86                          | 1156.68 R                        | TO BE REMOVED      |
| 52  | TREES       | DEPARTURE              | 875.00    | 844.45               | 30.55       | 29+85.39                          | 80.49 L                          | TO BE REMOVED      |
| 53  | TREES       | DEPARTURE              | 863.90    | 845.06               | 18.84       | 30+34.69                          | 882.19 L                         | TO BE REMOVED      |
| 54  | TREES       | DEPARTURE              | 852.40    | 846.29               | 6.11        | 31+81.23                          | 877.05 R                         | TO BE REMOVED      |
| 55  | TREES       | DEPARTURE              | 873.50    | 849.96               | 23.54       | 31+89.9                           | 880.34 L                         | TO BE REMOVED      |
| 56  | TREES       | DEPARTURE              | 868.90    | 850.17               | 18.73       | 32+95.40                          | 627.85 L                         | TO BE REMOVED      |
| 57  | TREES       | DEPARTURE              | 873.60    | 852.81               | 20.79       | 33+32.5                           | 768.71 R                         | TO BE REMOVED      |
| 58  | TREES       | DEPARTURE              | 869.70    | 853.74               | 15.96       | 33+97.16                          | 89.09 R                          | TO BE REMOVED      |
| 59  | TREES       | DEPARTURE              | 865.80    | 855.35               | 10.45       | 34+36.05                          | 699.39 L                         | TO BE REMOVED      |
| 60  | TREES       | DEPARTURE              | 873.20    | 856.33               | 16.87       | 34+47.96                          | 175.32 L                         | TO BE REMOVED      |
| 61  | TREES       | DEPARTURE              | 897.40    | 856.62               | 40.78       | 34+59.20                          | 717.10 R                         | TO BE REMOVED      |
| 62  | TREES       | DEPARTURE              | 879.00    | 856.91               | 22.09       | 34+89.57                          | 400.28 L                         | TO BE REMOVED      |
| 63  | TREES       | DEPARTURE              | 869.90    | 857.66               | 12.24       | 35+23.32                          | 528.53 L                         | TO BE REMOVED      |
| 64  | TREES       | DEPARTURE              | 871.00    | 858.51               | 12.49       | 35+32.86                          | 376.87 R                         | TO BE REMOVED      |
| 65  | TREES       | DEPARTURE              | 862.80    | 858.75               | 4.05        | 35+37.31                          | 1108.60 L                        | TO BE REMOVED      |
| 66  | TREES       | DEPARTURE              | 887.50    | 858.86               | 28.64       | 37+54.18                          | 649.29 R                         | TO BE REMOVED      |
| 67  | TREES       | DEPARTURE              | 878.30    | 864.28               | 14.02       | 38+11.14                          | 1473.61 R                        | TO BE REMOVED      |
| 68  | TREES       | DEPARTURE              | 890.80    | 865.70               | 25.10       | 39+21.67                          | 138.96 L                         | TO BE REMOVED      |
| 69  | TREES       | DEPARTURE              | 884.10    | 868.47               | 15.63       | 39+70.27                          | 498.78 R                         | TO BE REMOVED      |
| 70  | TREES       | DEPARTURE              | 896.40    | 869.68               | 26.72       | 40+39.88                          | 142.58 R                         | TO BE REMOVED      |
| 71  | TREES       | DEPARTURE              | 879.50    | 871.42               | 8.08        | 40+56.70                          | 315.20 L                         | TO BE REMOVED      |
| 72  | TREES       | DEPARTURE              | 873.90    | 871.84               | 2.06        | 40+64.93                          | 502.65 L                         | TO BE REMOVED      |
| 73  | TREES       | DEPARTURE              | 883.10    | 874.93               | 8.17        | 41+80.17                          | 1418.50 L                        | TO BE REMOVED      |
| 74  | TREES       | DEPARTURE              | 894.90    | 875.35               | 19.55       | 41+96.84                          | 216.01 R                         | TO BE REMOVED      |
| 75  | TREES       | DEPARTURE              | 894.40    | 875.42               | 18.98       | 41+99.67                          | 556.67 R                         | TO BE REMOVED      |
| 76  | TREES       | DEPARTURE              | 885.20    | 876.99               | 8.21        | 42+62.52                          | 1512.94 L                        | TO BE REMOVED      |
| 77  | TREES       | DEPARTURE              | 897.60    | 879.76               | 17.84       | 43+73.28                          | 502.06 R                         | TO BE REMOVED      |
| 78  | TREES       | DEPARTURE              | 905.10    | 880.53               | 24.57       | 44+04.23                          | 224.58 R                         | TO BE REMOVED      |
| 79  | TREES       | DEPARTURE              | 892.80    | 886.42               | 6.38        | 46+39.75                          | 1714.31 L                        | TO BE REMOVED      |
| 80  | TREES       | DEPARTURE              | 916.30    | 890.88               | 5.42        | 48+18.12                          | 1122.15 R                        | TO BE REMOVED      |
| 81  | TREES       | DEPARTURE              | 893.10    | 892.52               | 20.58       | 48+83.94                          | 846.67 R                         | TO BE REMOVED      |
| 82  | TREES       | DEPARTURE              | 903.70    | 893.83               | 9.87        | 49+28.35                          | 1859.14 R                        | TO BE REMOVED      |
| 83  | TREES       | DEPARTURE              | 901.50    | 896.88               | 4.62        | 50+57.99                          | 108.60 R                         | TO BE REMOVED      |

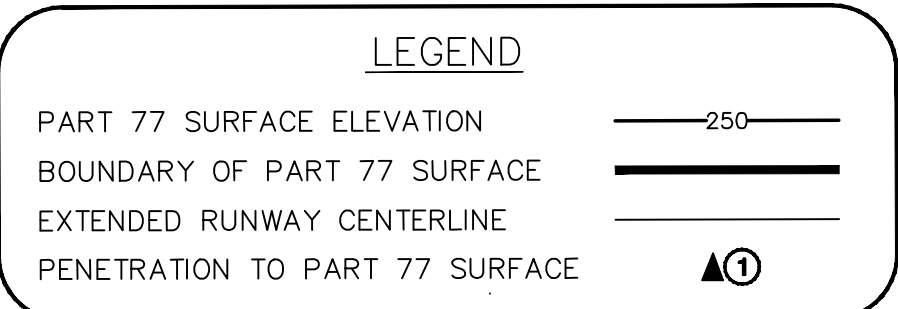
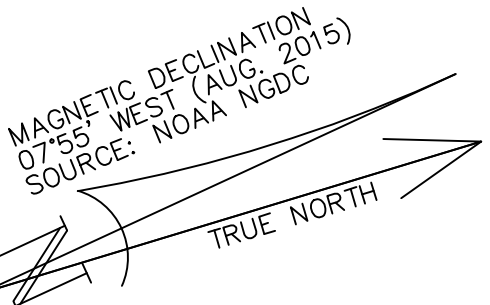
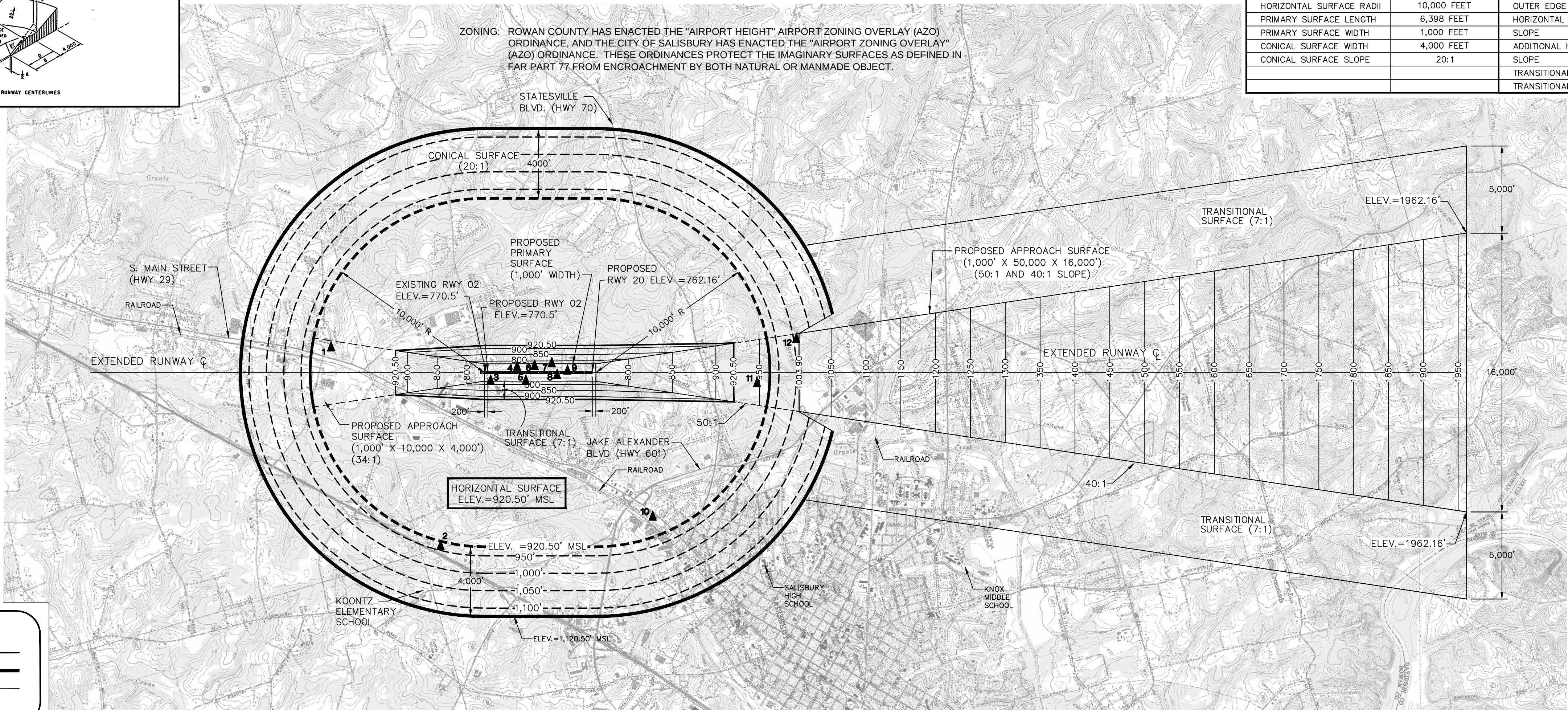




| OBSTRUCTION DATA TABLE |                    |           |            |                      |             |                    |                      |                      |
|------------------------|--------------------|-----------|------------|----------------------|-------------|--------------------|----------------------|----------------------|
| NO.                    | OBJECT             | AGL ELEV. | AMSL ELEV. | GROUND SURFACE ELEV. | PENETRATION |                    | EXISTING DISPOSITION | PROPOSED DISPOSITION |
|                        |                    |           |            |                      | DEPTH       | AREA               |                      |                      |
| 1                      | WATER TOWER        | 159'      | 960'       | 801'                 | 39.5'       | HORIZONTAL SURFACE | LIGHT                | NO CHANGE            |
| 2                      | POLE               | 131'      | 931'       | 800'                 | 0.2'        | HORIZONTAL SURFACE | UNKNOWN              | LIGHT                |
| 3                      | POLE               | 16'       | 782'       | 766'                 | 11.5'       | PRIMARY SURFACE    | UNKNOWN              | LIGHT                |
| 4                      | TOWER              | 19'       | 792'       | 773'                 | 21.5'       | PRIMARY SURFACE    | UNKNOWN              | NO CHANGE            |
| 5                      | POLE               | 27'       | 796'       | 769'                 | 25.5'       | PRIMARY SURFACE    | UNKNOWN              | NO CHANGE            |
| 6                      | POLE               | 23'       | 782'       | 759'                 | 11.5'       | PRIMARY SURFACE    | UNKNOWN              | NO CHANGE            |
| 7                      | POLE               | 43'       | 798'       | 755'                 | 27.5'       | PRIMARY SURFACE    | UNKNOWN              | NO CHANGE            |
| 8                      | AIRFIELD SIGN      | 4'        | 775'       | 771'                 | 4.5'        | PRIMARY SURFACE    | UNKNOWN              | NO CHANGE            |
| 9                      | GLIDESLOPE SHELTER | 11'       | 776'       | 765'                 | 5.5'        | PRIMARY SURFACE    | UNKNOWN              | NO CHANGE            |
| 10                     | WATER TOWER        | 159'      | 924'       | 765'                 | 3.5'        | HORIZONTAL SURFACE | UNKNOWN              | LIGHT                |
| 11                     | TOWER              | 265'      | 949'       | 684'                 | 28.5'       | HORIZONTAL SURFACE | LIGHT                | NO CHANGE            |
| 12                     | TOWER              | 320'      | 1060'      | 740'                 | 59.14'      | CONICAL SURFACE    | LIGHT                | NO CHANGE            |

| EXISTING AIRSPACE DIMENSIONAL DATA RUNWAY 02-20 |                      |                                |                           |                           |
|-------------------------------------------------|----------------------|--------------------------------|---------------------------|---------------------------|
| APPROACH                                        | PRECISION INSTRUMENT | FAR PART 77 APPROACH SURFACE   | EXISTING RUNWAY 02 VISUAL | EXISTING RUNWAY 20 VISUAL |
| RUNWAY LENGTH                                   | 5,500 FEET           |                                |                           |                           |
| AIRPORT ELEVATION                               | 770.5 FEET MSL       |                                |                           |                           |
| HORIZONTAL SURFACE                              | 920.5 FEET MSL       | INNER EDGE                     | 1,000 FEET                | 1,000 FEET                |
| HORIZONTAL SURFACE RADIUS                       | 10,000 FEET          | OUTER EDGE                     | 4,000 FEET                | 16,000 FEET               |
| PRIMARY SURFACE LENGTH                          | 5,900 FEET           | HORIZONTAL DISTANCE            | 10,000 FEET               | 50,000 FEET               |
| PRIMARY SURFACE WIDTH                           | 1,000 FEET           | SLOPE                          | 34:1                      | 50:1 AND 40:1             |
| CONICAL SURFACE WIDTH                           | 4,000 FEET           | ADDITIONAL HORIZONTAL DISTANCE | N/A                       | N/A                       |
| CONICAL SURFACE SLOPE                           | 20:1                 | SLOPE                          | N/A                       | N/A                       |
|                                                 |                      | TRANSITIONAL SURFACE SLOPE     | 7:1                       | 7:1                       |
|                                                 |                      | TRANSITIONAL SURFACE EXTENSION | N/A                       | N/A                       |

| PROPOSED AIRSPACE DIMENSIONAL DATA RUNWAY 02-20 |                      |                                |                           |                           |
|-------------------------------------------------|----------------------|--------------------------------|---------------------------|---------------------------|
| APPROACH                                        | PRECISION INSTRUMENT | FAR PART 77 APPROACH SURFACE   | PROPOSED RUNWAY 02 VISUAL | PROPOSED RUNWAY 20 VISUAL |
| RUNWAY LENGTH                                   | 6,125 FEET           |                                |                           |                           |
| AIRPORT ELEVATION                               | 770.5 FEET MSL       |                                |                           |                           |
| HORIZONTAL SURFACE                              | 920.5 FEET MSL       | INNER EDGE                     | 1,000 FEET                | 1,000 FEET                |
| HORIZONTAL SURFACE RADIUS                       | 10,000 FEET          | OUTER EDGE                     | 4,000 FEET                | 16,000 FEET               |
| PRIMARY SURFACE LENGTH                          | 6,398 FEET           | HORIZONTAL DISTANCE            | 10,000 FEET               | 50,000 FEET               |
| PRIMARY SURFACE WIDTH                           | 1,000 FEET           | SLOPE                          | 34:1                      | 50:1 AND 40:1             |
| CONICAL SURFACE WIDTH                           | 4,000 FEET           | ADDITIONAL HORIZONTAL DISTANCE | N/A                       | N/A                       |
| CONICAL SURFACE SLOPE                           | 20:1                 | SLOPE                          | N/A                       | N/A                       |
|                                                 |                      | TRANSITIONAL SURFACE SLOPE     | 7:1                       | 7:1                       |
|                                                 |                      | TRANSITIONAL SURFACE EXTENSION | N/A                       | N/A                       |

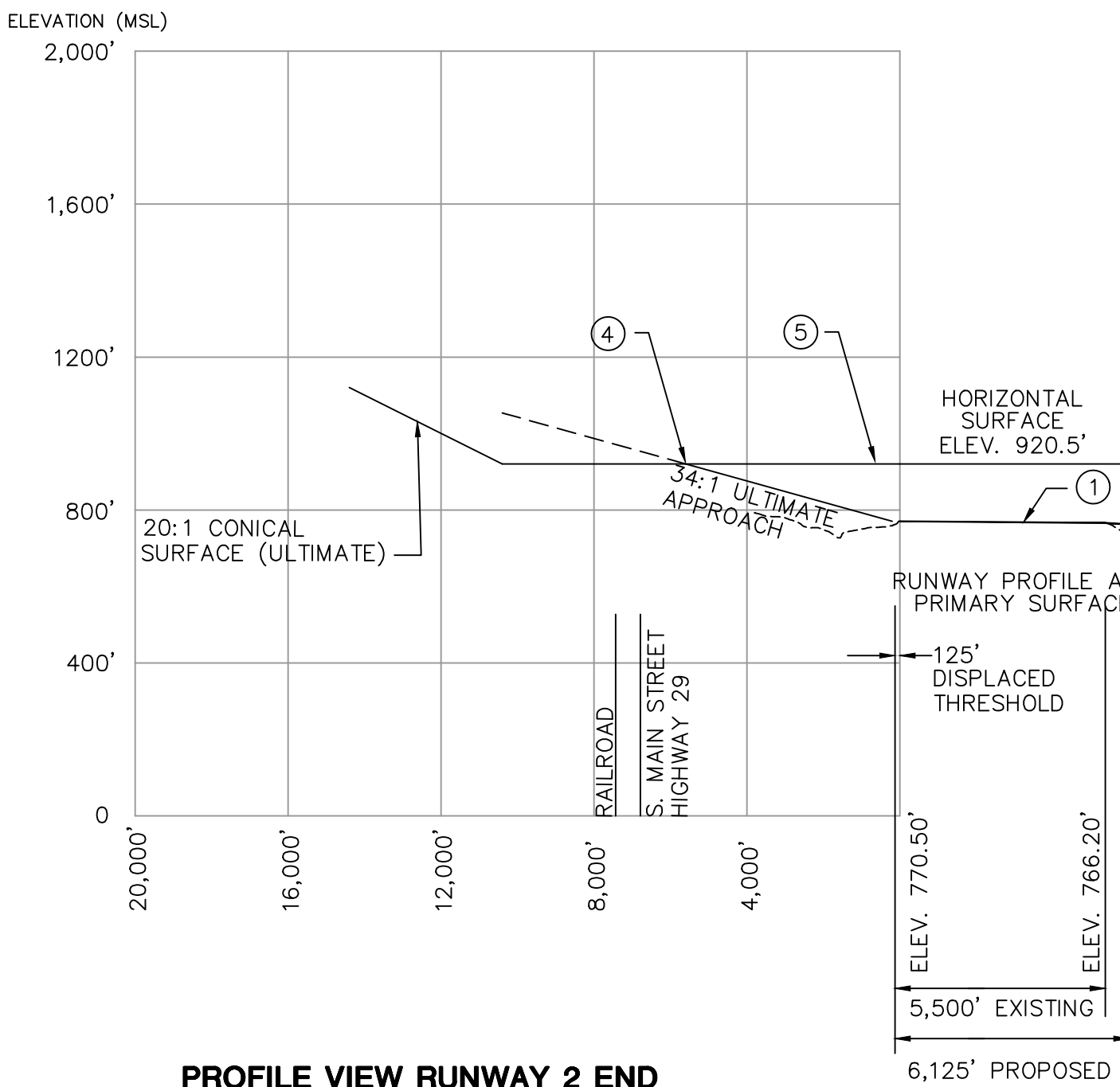


#### NOTES

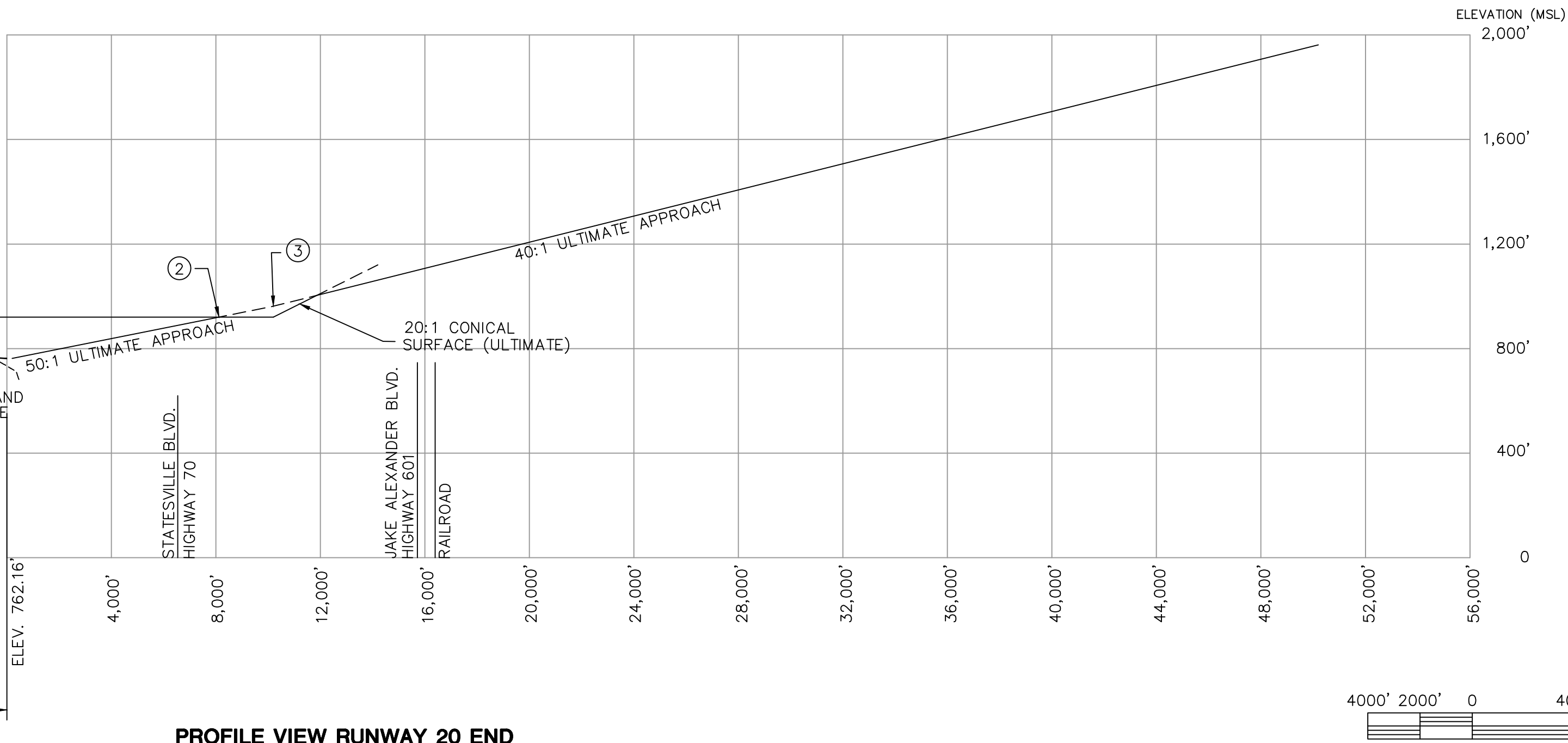
- EXISTING AIRPORT REFERENCE POINT - BEGINNING AT EXISTING RUNWAY 02 THRESHOLD, THENCE ALONG THE CENTERLINE OF RUNWAY 02 N 16° 52' 22" E (TRUE) 2,752.34' TO THE EXISTING ARP COORDINATES. LATITUDE 35° 38' 45.18" LONGITUDE 80° 31' 13.06"
- FUTURE AIRPORT REFERENCE POINT - BEGINNING AT EXISTING RUNWAY 02 THRESHOLD, THENCE ALONG THE CENTERLINE OF RUNWAY 02 N 16° 52' 22" E (TRUE) 3,065.27' TO THE FUTURE ARP COORDINATES. LATITUDE 35° 38' 48.15" LONGITUDE 80° 31' 12.01"
- COORDINATES ARE BASED ON NAD83 DATUM. ELEVATIONS ARE BASED ON NAVD88 MEAN SEA LEVEL (MSL).
- ESTABLISHED AIRPORT ELEVATION 770.5' (MSL).
- FOR EXISTING AND ULTIMATE OBSTRUCTIONS TO THE INNER APPROACH SEE SHEETS 5 THROUGH 9.
- LATEST OBSTRUCTION SURVEY COMPLETED ON FEBRUARY 4, 2016.
- ALL WATER FACILITIES INSIDE THE HORIZONTAL SURFACE ARE SHOWN IN THE OBSTRUCTION DATA TABLE ABOVE. NO SEWAGE FACILITIES CURRENTLY EXIST IN THE HORIZONTAL SURFACE.
- OBSTRUCTION DATA PULLED FROM FAA OBSTACLE DATA.

#### FAA PART 77 SURFACES

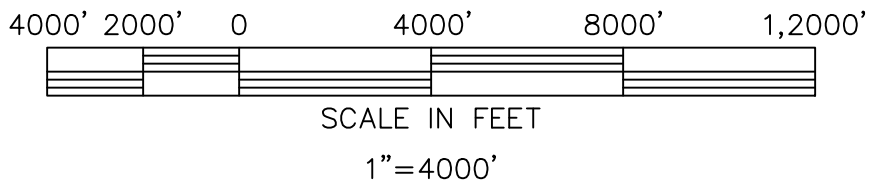
- PRIMARY SURFACE, SAME ELEVATION AS RUNWAY
- RUNWAY 20 APPROACH SURFACE 50:1 APPROACH SLOPE REQ. FOR FIRST 10,000' AND 40:1 APPROACH SLOPE REQ. FOR FINAL 40,000' DIMENSIONS: 1,000'x50,000'x16,000'
- APPROACH SLOPE TRANSITIONS FROM 50:1 TO 40:1
- RUNWAY 02 APPROACH SURFACE 34:1 APPROACH SLOPE REQ. DIMENSIONS: 1,000'x10,000'x4,000'
- 7:1 TRANSITIONAL SURFACE EXTENDS TO ELEVATION 920.5'



PROFILE VIEW RUNWAY 2 END  
SCALE: HORIZ. 1"=4000'  
VERT. 1"=400'



PROFILE VIEW RUNWAY 20 END  
SCALE: HORIZ. 1"=4000'  
VERT. 1"=400'



TALBERT, BRIGHT & ELLINGTON

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NC LICENSE NO. C-1163

AIRPORT AIRSPACE DRAWING  
PART 77 SURFACE  
AIRPORT LAYOUT PLAN UPDATE

ROWAN COUNTY AIRPORT

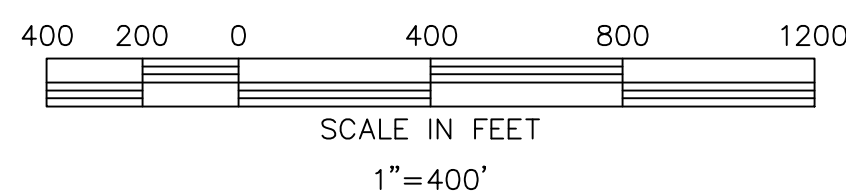
PRELIMINARY  
NOT RELEASED  
FOR CONSTRUCTION

|             |           |
|-------------|-----------|
| Designed    | JEL       |
| Date        | NOV. 2015 |
| Scale       | 1"=4,000' |
| Drawn       | MWP       |
| Checked     | JAS       |
| Project No. | 3708-1401 |
| Sheet No.   |           |

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OF 21





OF **21**



