

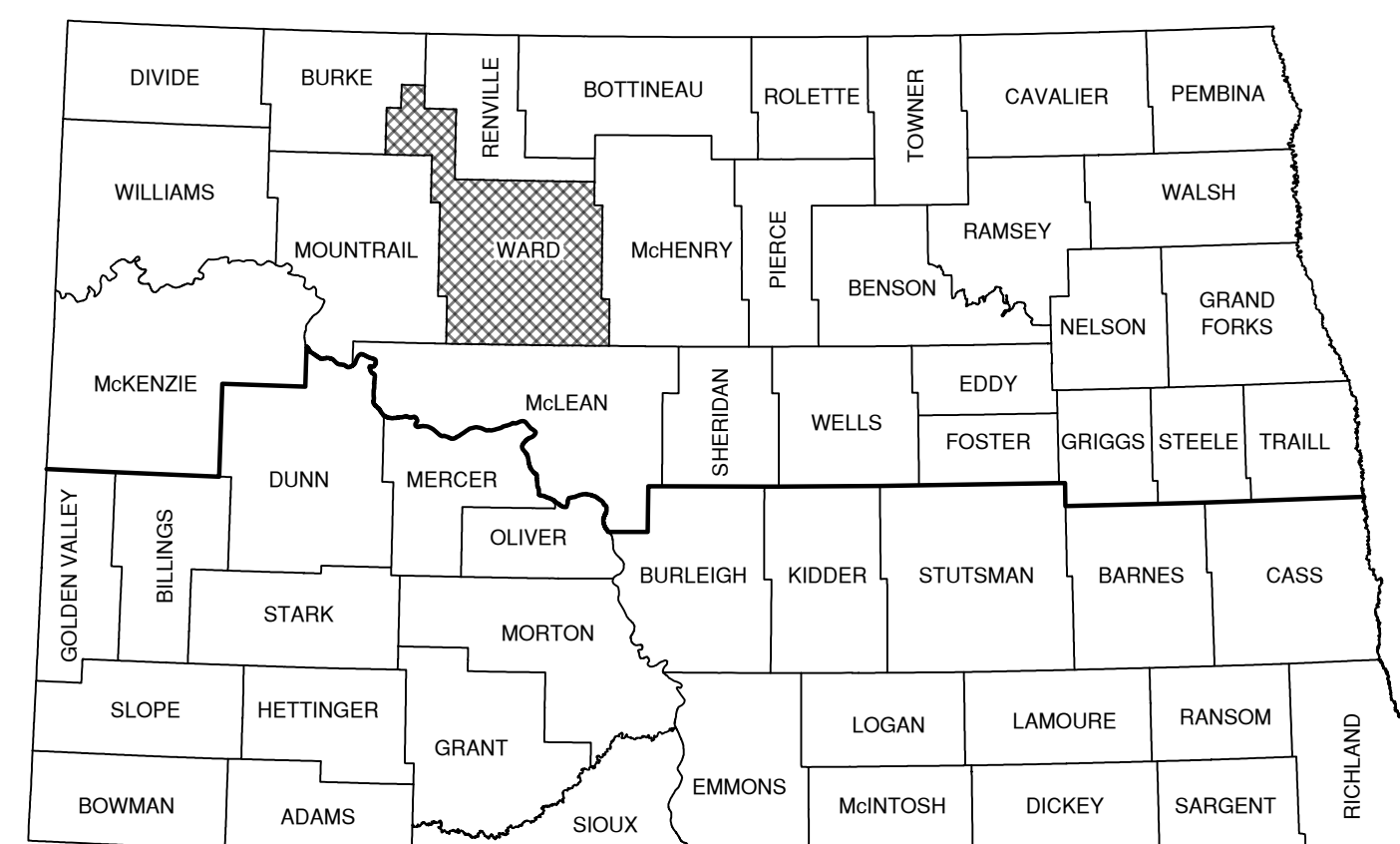
CONSTRUCTION DRAWINGS
FOR
GENERAL AVIATION APRON RECONSTRUCTION
AT
MINOT INTERNATIONAL AIRPORT

MINOT, NORTH DAKOTA
A.I.P. # 3-38-0037-053-2017
UEI 16.02082



BASIS OF SURVEY

ALL DIMENSIONS SHOWN ARE IN
TERMS OF INTERNATIONAL FEET, GRID
ORIENTATION OF THIS BEARING
SYSTEM IS NORTH DAKOTA STATE
PLANE, NORTH ZONE (NAD 83)
ELEVATIONS ARE RELATIVE TO NGVD 29



STATE OF NORTH DAKOTA






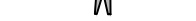
SHEET INDEX	
SHEET NUMBER	SHEET TITLE
	COVER SHEET
1	SAFETY PHASING PLAN
2	SAFETY PHASING PLAN PHASE 1A
3	SAFETY PHASING PLAN PHASE 1B
4	SAFETY PHASING PLAN PHASE 2
5	SAFETY PHASING PLAN PHASE 3
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8	UNDERDRAIN DETAILS
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14	MARKING & EROSION CONTROL DETAILS



GENERAL AVIATION APRON RECONSTRUCTION
Minot International Airport
 Minot, North Dakota

Revision	Date	Description	By

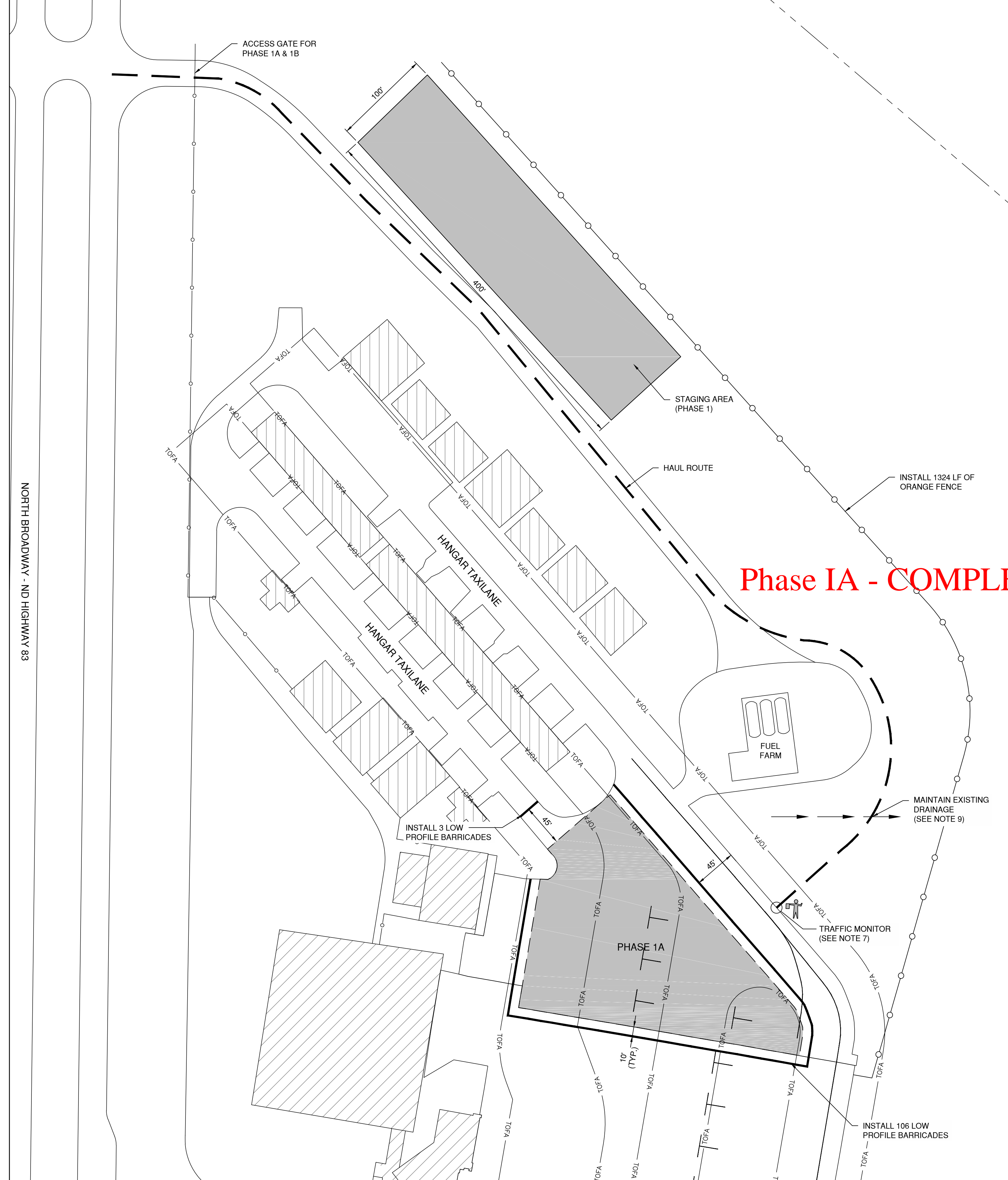
LEGEND

	PHASE 1A
	TEMPORARY HAUL ROUTE
	LIMITS OF CONSTRUCTION
	LOW PROFILE BARRICADES
	DRAINAGE DIRECTION
	TRAFFIC MONITOR

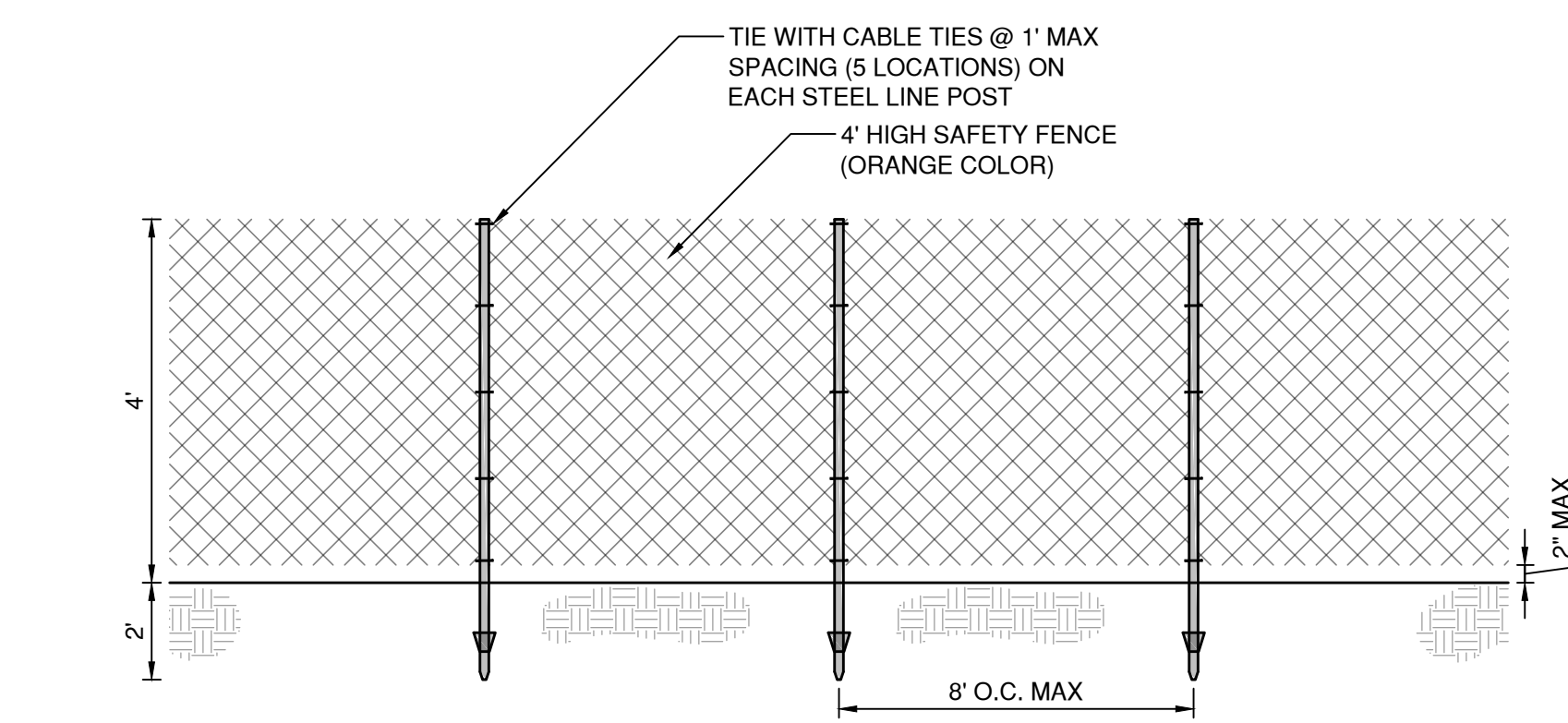
NOTE:
 SEE SAFETY PHASING PLAN FOR GENERAL CONSTRUCTION SAFETY, PROJECT NOTES AND LIMITATIONS OF SAFETY PLAN.

PHASE 1A - NORTH SECTION OF GA APRON:

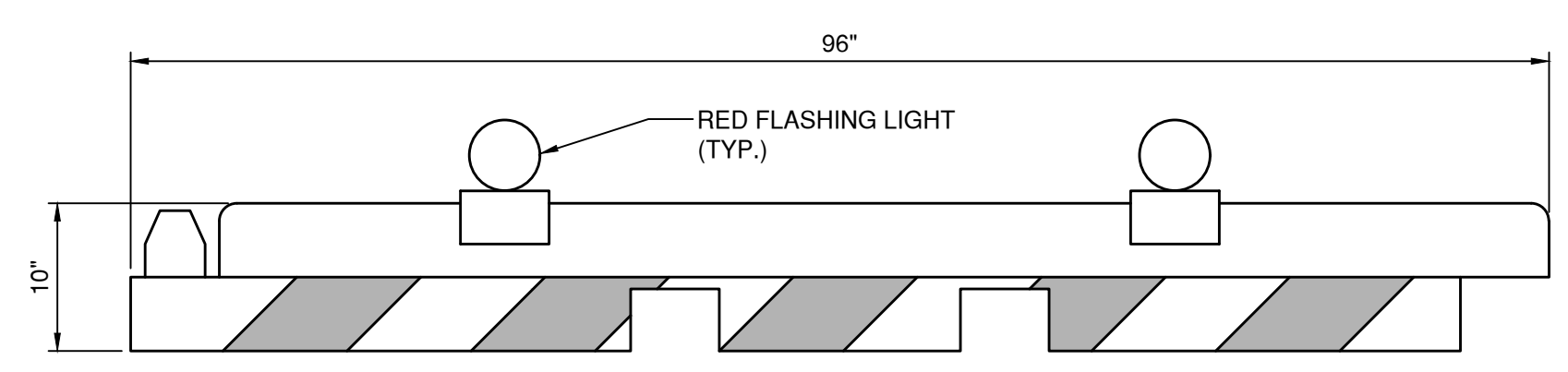
1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER A MINIMUM OF 7 CALENDAR DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.
2. DURING PHASE 1A, THE CONTRACTOR SHALL COMPLETE THE RECONSTRUCTION OF THE DESIGNATED AREA OF THE NORTH SECTION OF THE GENERAL AVIATION APRON. THE G.A. APRON SHALL BE CLOSED BY CONSTRUCTION BARRICADES (AS SHOWN) FOR THIS PHASE OF WORK. CONTRACTOR ACCESS TO THIS AREA SHALL BE THROUGH AN EXISTING AIRPORT SECURITY FENCE NORTHWEST OF THE STAGING AREA. THE CONTRACTOR SHALL MAINTAIN AIRPORT SECURITY AT ALL TIMES BY EITHER SECURING THE GATE WITH AN APPROVED LOCK OR BY A GATE GUARD. THIS SECURITY WORK SHALL BE INCIDENTAL TO OTHER BID ITEMS.
3. ANY AND ALL DAMAGE TO THE EXISTING PAVEMENTS AND TURF SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL TAKE THIS INTO ACCOUNT WHEN CHOOSING THE TYPES OF CONSTRUCTION EQUIPMENT AND EQUIPMENT LOADING.
4. THE EXPECTED MAXIMUM HEIGHT OF CONSTRUCTION EQUIPMENT IS 25 FEET. THE CONTRACTOR SHALL VERIFY ANY EQUIPMENT HEIGHT MORE THAN 25 FEET AND SUBMIT ALL REVISIONS FOR REVIEW AND INCORPORATION INTO THE SAFETY PLAN. CONSTRUCTION EQUIPMENT WILL NOT EXCEED FAR PART 77 - 20.1 SURFACES.
5. CONTRACTOR SHALL SUPPLY SIGNAGE ON HIGHWAY AS REQUIRED BY THE CITY OF MINOT. CONTACT CITY ENGINEERING DEPARTMENT TO DETERMINE SIGNAGE THAT IS REQUIRED.
6. CONTRACTOR TO MAINTAIN ACCESS FOR FUEL TRANSPORTS ON HAUL ROUTE.
7. HAUL ROUTE CROSSES ACTIVE TAXIWAY. AIRCRAFT TO HAVE RIGHT AWAY. CONTRACTOR SHALL PROVIDE A TRAFFIC MONITOR.
8. ALL AREAS ACTIVE TO AIR TRAFFIC SHALL BE KEPT CLEAR OF F.O.D. AT ALL TIMES.
9. DRAINAGE SHALL BE INSTALLED AND MAINTAINED BY METHODS APPROVED BY THE ENGINEER.
10. PHASE 1B CAN NOT BEGIN UNTIL PHASE 1A IS COMPLETE AND USEABLE TO AIR TRAFFIC.
11. THE CONTRACT TIME FOR THIS PHASE SHALL BE 24 WORKING DAYS AND SHALL COMMENCE WITH THE NOTICE TO PROCEED.



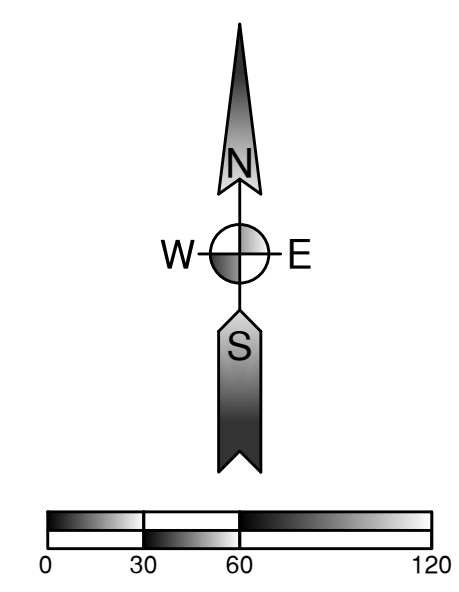
Phase 1A - COMPLETED



CONSTRUCTION SAFETY FENCE DETAIL
 NO SCALE



LOW PROFILE BARRICADE DETAIL
 NO SCALE



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SAFETY PHASING PLAN PHASE 1A

GENERAL AVIATION APRON RECONSTRUCTION
Minot International Airport
 Minot, North Dakota

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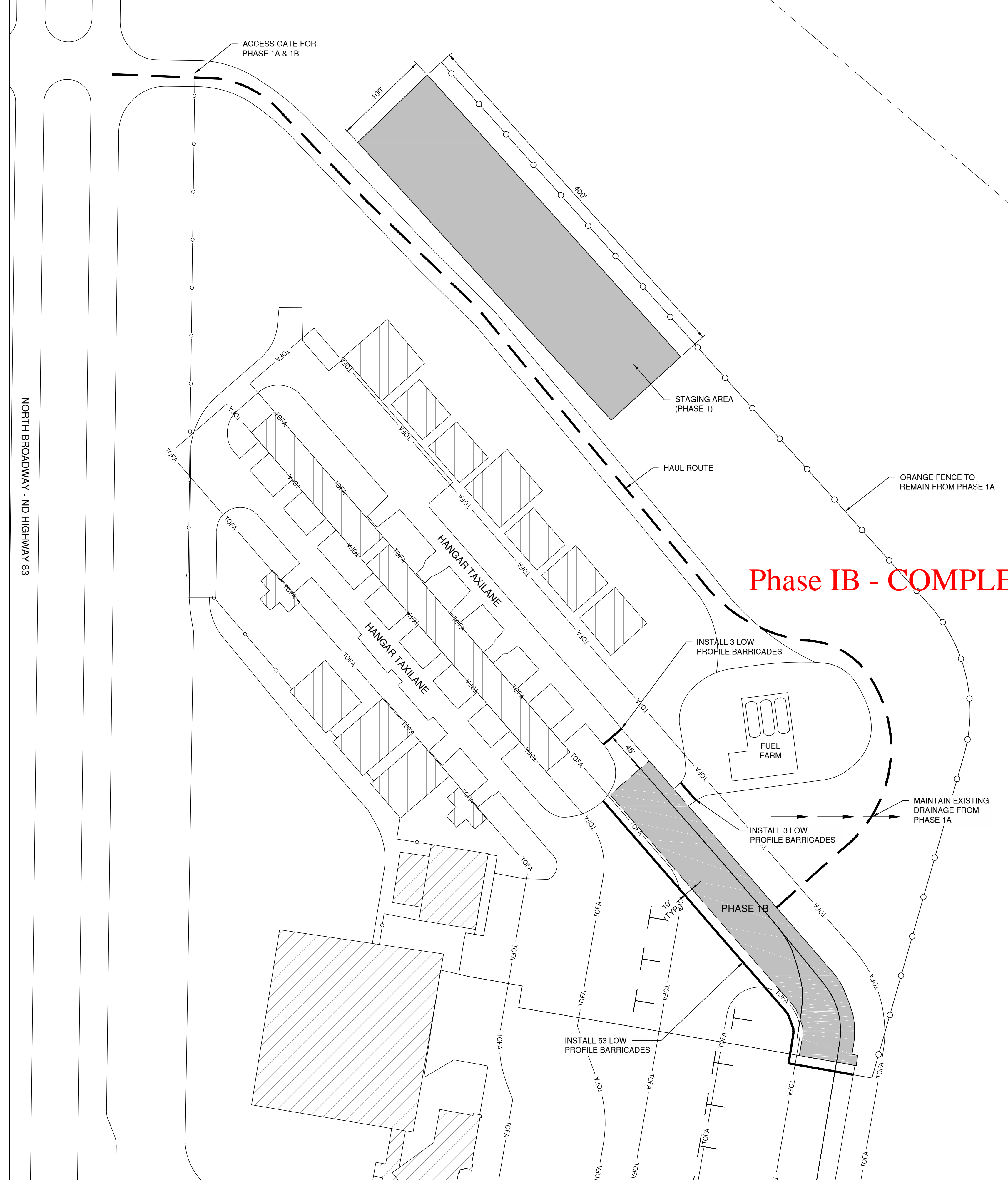
LEGEND

	PHASE 1B
	TEMPORARY HAUL ROUTE
	LIMITS OF CONSTRUCTION
	LOW PROFILE BARRICADES
	DRAINAGE DIRECTION

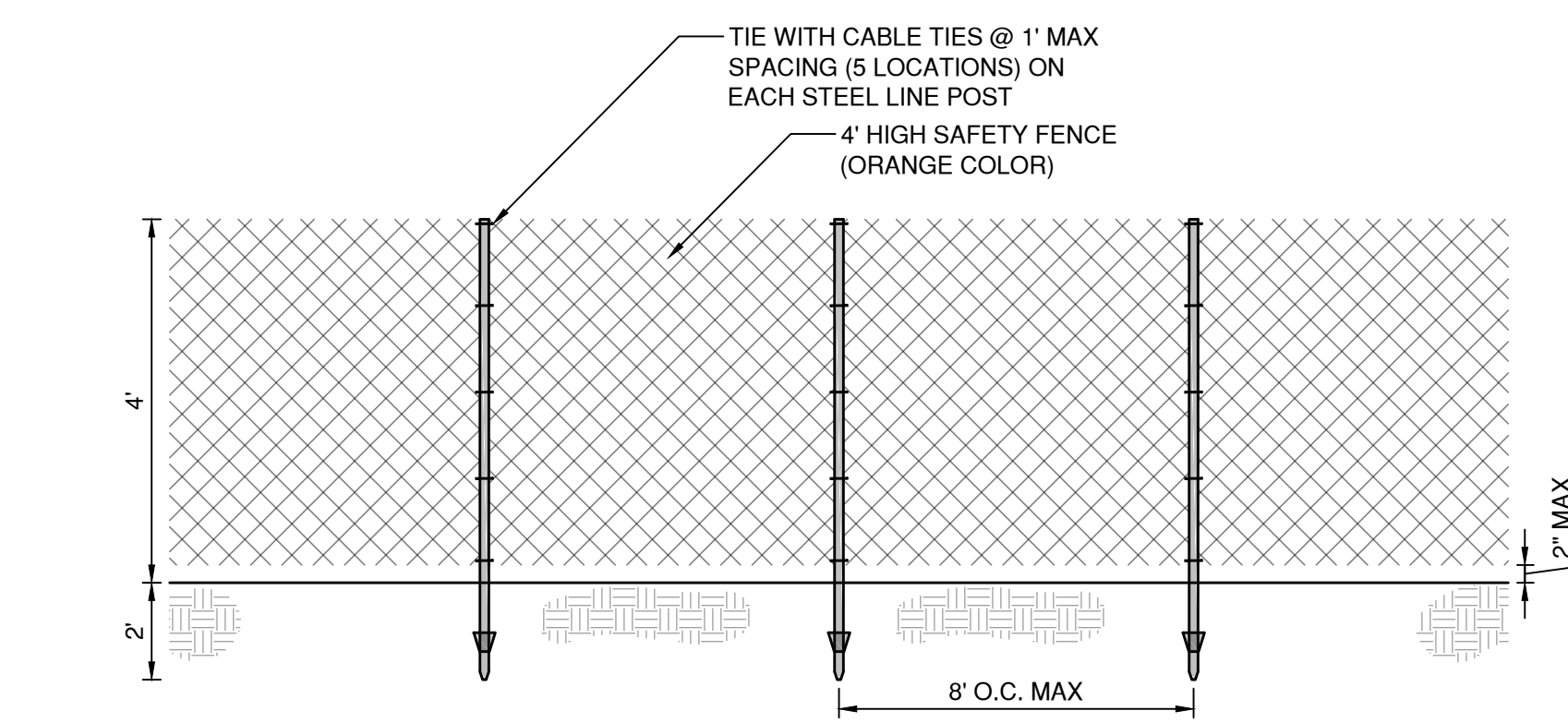
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PHASE 1B - NORTH SECTION OF GA APRON:

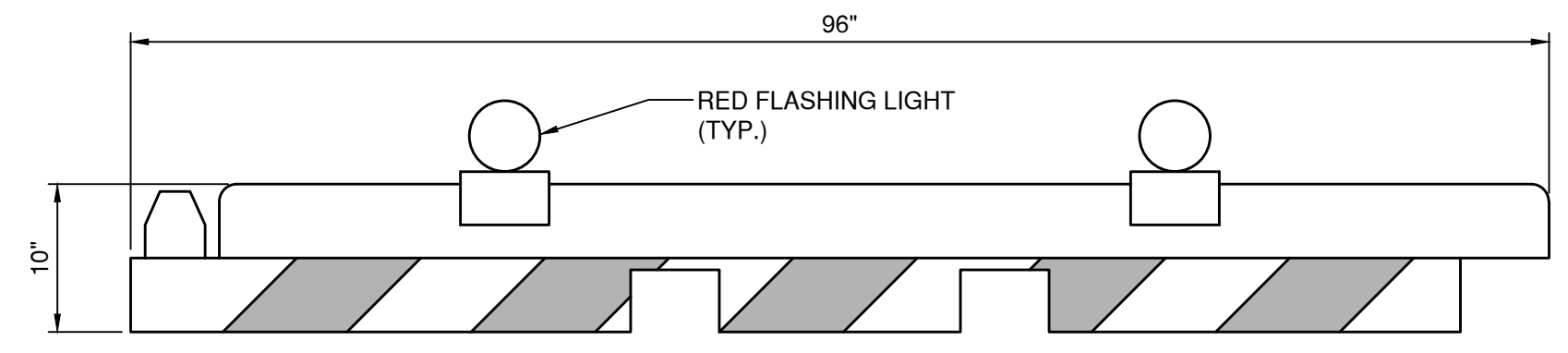
1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER A MINIMUM OF 7 CALENDAR DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.
2. DURING PHASE 1B, THE CONTRACTOR SHALL COMPLETE THE RECONSTRUCTION OF THE DESIGNATED AREA OF THE NORTH SECTION OF THE GENERAL AVIATION APRON. THE G.A. APRON SHALL BE CLOSED BY CONSTRUCTION BARRICADES (AS SHOWN) FOR THIS PHASE OF WORK. CONTRACTOR ACCESS TO THIS AREA SHALL BE THROUGH AN EXISTING AIRPORT SECURITY FENCE NORTHWEST OF THE STAGING AREA. THE CONTRACTOR SHALL MAINTAIN AIRPORT SECURITY AT ALL TIMES BY EITHER SECURING THE GATE WITH AN APPROVED LOCK OR BY A GATE GUARD. THIS SECURITY WORK SHALL BE INCIDENTAL TO OTHER BID ITEMS.
3. ANY AND ALL DAMAGE TO THE EXISTING PAVEMENTS AND TURF SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL TAKE THIS INTO ACCOUNT WHEN CHOOSING THE TYPES OF CONSTRUCTION EQUIPMENT AND EQUIPMENT LOADING.
4. THE EXPECTED MAXIMUM HEIGHT OF CONSTRUCTION EQUIPMENT IS 25 FEET. THE CONTRACTOR SHALL VERIFY ANY EQUIPMENT HEIGHT MORE THAN 25 FEET AND SUBMIT ALL REVISIONS FOR REVIEW AND INCORPORATION INTO THE SAFETY PLAN. CONSTRUCTION EQUIPMENT WILL NOT EXCEED FAR PART 77 - 20.1 SURFACES.
5. CONTRACTOR SHALL SUPPLY SIGNAGE ON HIGHWAY AS REQUIRED BY THE CITY OF MINOT. CONTACT CITY ENGINEERING DEPARTMENT TO DETERMINE SIGNAGE THAT IS REQUIRED.
6. CONTRACTOR TO MAINTAIN ACCESS FOR FUEL TRANSPORTS ON HAUL ROUTE.
7. PHASE 1B CAN NOT BEGIN UNTIL PHASE 1A IS COMPLETE AND USEABLE TO AIR TRAFFIC.
8. THE CONTRACT TIME FOR THIS PHASE SHALL BE 14 WORKING DAYS AND SHALL COMMENCE WITH THE CLOSURE OF PHASE 1B WORKING AREA.



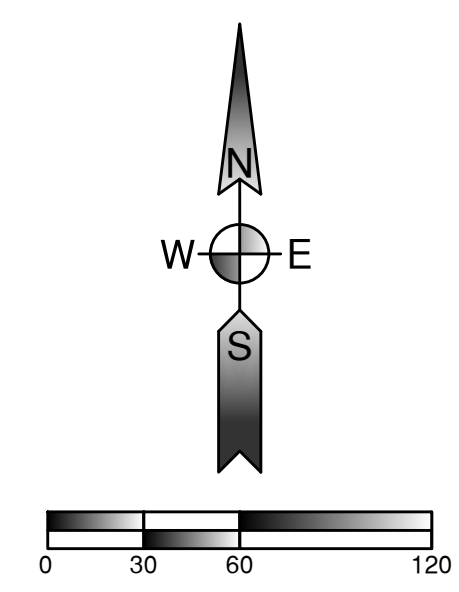
Phase 1B - COMPLETED



CONSTRUCTION SAFETY FENCE DETAIL
 NO SCALE



LOW PROFILE BARRICADE DETAIL
 NO SCALE



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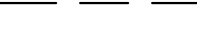

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SAFETY PHASING PLAN PHASE 1B

GENERAL AVIATION APRON RECONSTRUCTION
Minot International Airport
 Minot, North Dakota

Revision	Date	Description	By

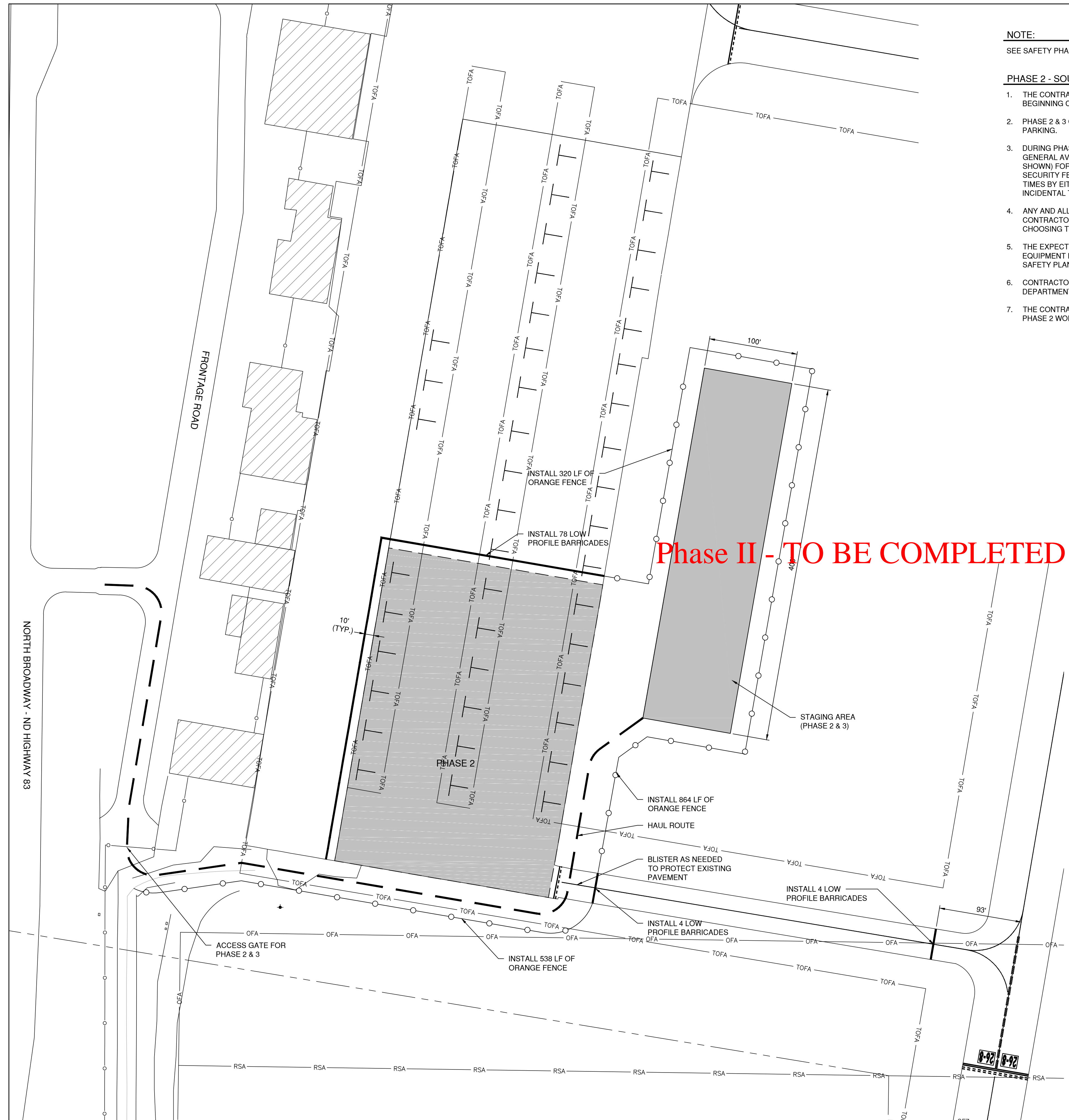
LEGEND

	PHASE 2
	TEMPORARY HAUL ROUTE
	LIMITS OF CONSTRUCTION
	LOW PROFILE BARRICADES

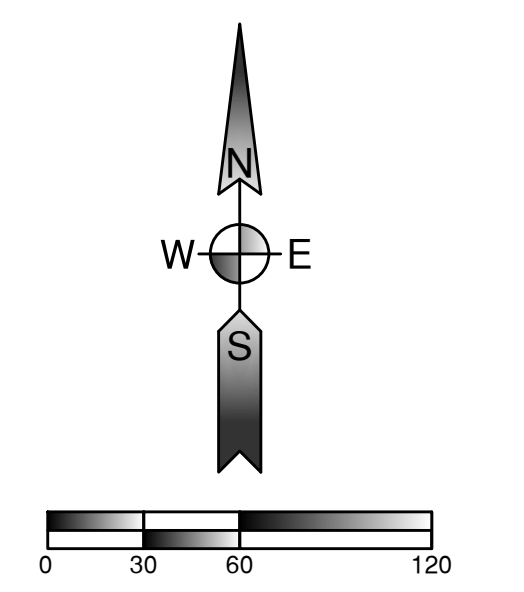
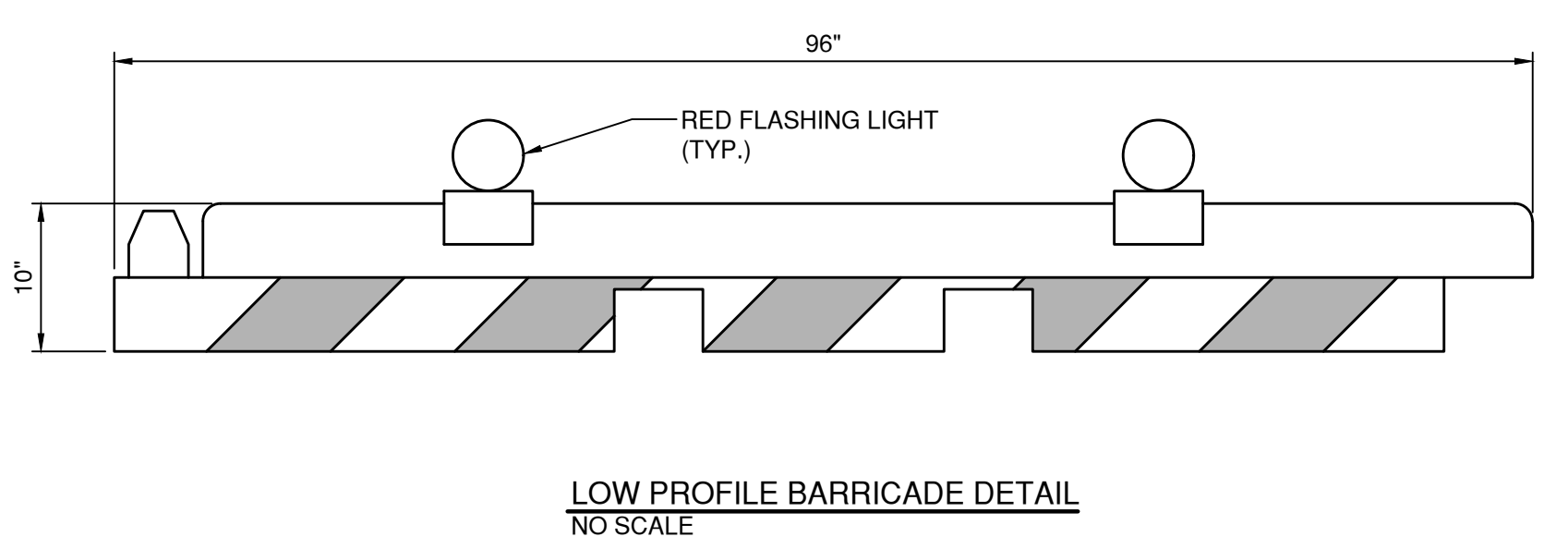
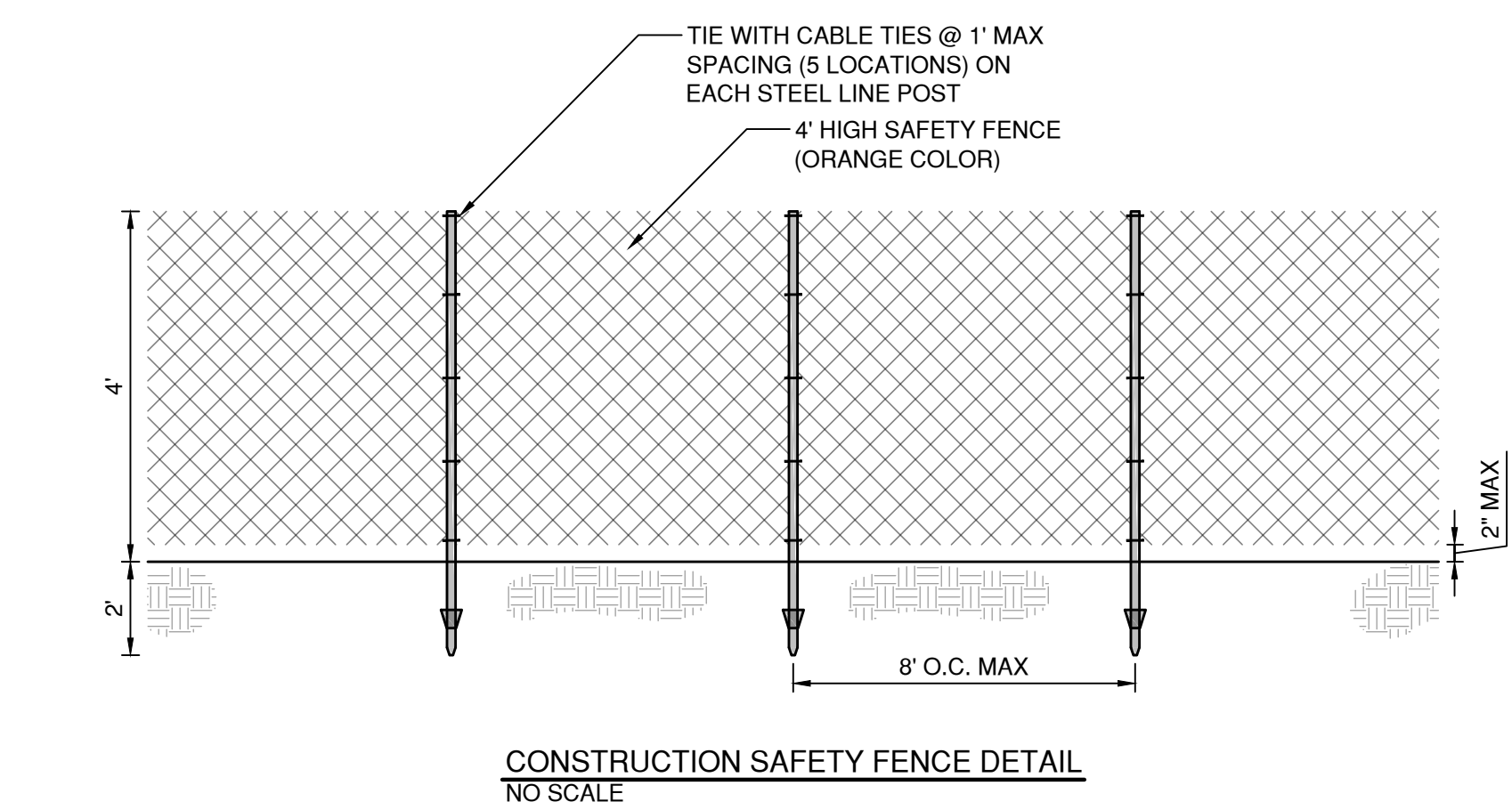
NOTE:
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PHASE 2 - SOUTH SECTION OF GA APRON:

1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER A MINIMUM OF 7 CALENDAR DAYS IN ADVANCE OF BEGINNING CONSTRUCTION OF PHASE 2.
2. PHASE 2 & 3 CANNOT BE WORKED ON CONCURRENTLY DUE TO NEEDING TO MAINTAIN A MINIMUM AMOUNT OF AIRCRAFT PARKING.
3. DURING PHASE 2, THE CONTRACTOR SHALL COMPLETE THE RECONSTRUCTION OF THE SOUTH SECTION OF THE GENERAL AVIATION APRON. THE GENERAL AVIATION APRON SHALL BE CLOSED BY CONSTRUCTION BARRICADES (AS SHOWN) FOR THIS PHASE OF WORK. CONTRACTOR ACCESS TO THIS AREA SHALL BE THROUGH AN EXISTING AIRPORT SECURITY FENCE SOUTHWEST OF THE G.A. APRON. THE CONTRACTOR SHALL MAINTAIN AIRPORT SECURITY AT ALL TIMES BY EITHER SECURING THE GATE WITH AN APPROVED LOCK OR BY A GATE GUARD. THIS SECURITY WORK SHALL BE INCIDENTAL TO OTHER BID ITEMS.
4. ANY AND ALL DAMAGE TO THE EXISTING PAVEMENTS AND TURF SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL TAKE THIS INTO ACCOUNT WHEN CHOOSING THE TYPES OF CONSTRUCTION EQUIPMENT AND EQUIPMENT LOADING.
5. THE EXPECTED MAXIMUM HEIGHT OF CONSTRUCTION EQUIPMENT IS 25 FEET. THE CONTRACTOR SHALL VERIFY ANY EQUIPMENT HEIGHT MORE THAN 25 FEET AND SUBMIT ALL REVISIONS FOR REVIEW AND INCORPORATION INTO THE SAFETY PLAN. CONSTRUCTION EQUIPMENT WILL NOT EXCEED FAR PART 77 - 20:1 SURFACES.
6. CONTRACTOR SHALL SUPPLY SIGNAGE ON HIGHWAY AS REQUIRED BY THE CITY OF MINOT. CONTACT CITY ENGINEERING DEPARTMENT TO DETERMINE SIGNAGE THAT IS REQUIRED.
7. THE CONTRACT TIME FOR THIS PHASE SHALL BE 32 WORKING DAYS AND SHALL COMMENCE WITH THE CLOSURE OF PHASE 2 WORKING AREA.



Phase II - TO BE COMPLETED



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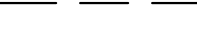

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SAFETY PHASING PLAN PHASE 2

GENERAL AVIATION APRON RECONSTRUCTION
Minot International Airport
 Minot, North Dakota

Revision	Date	Description	By

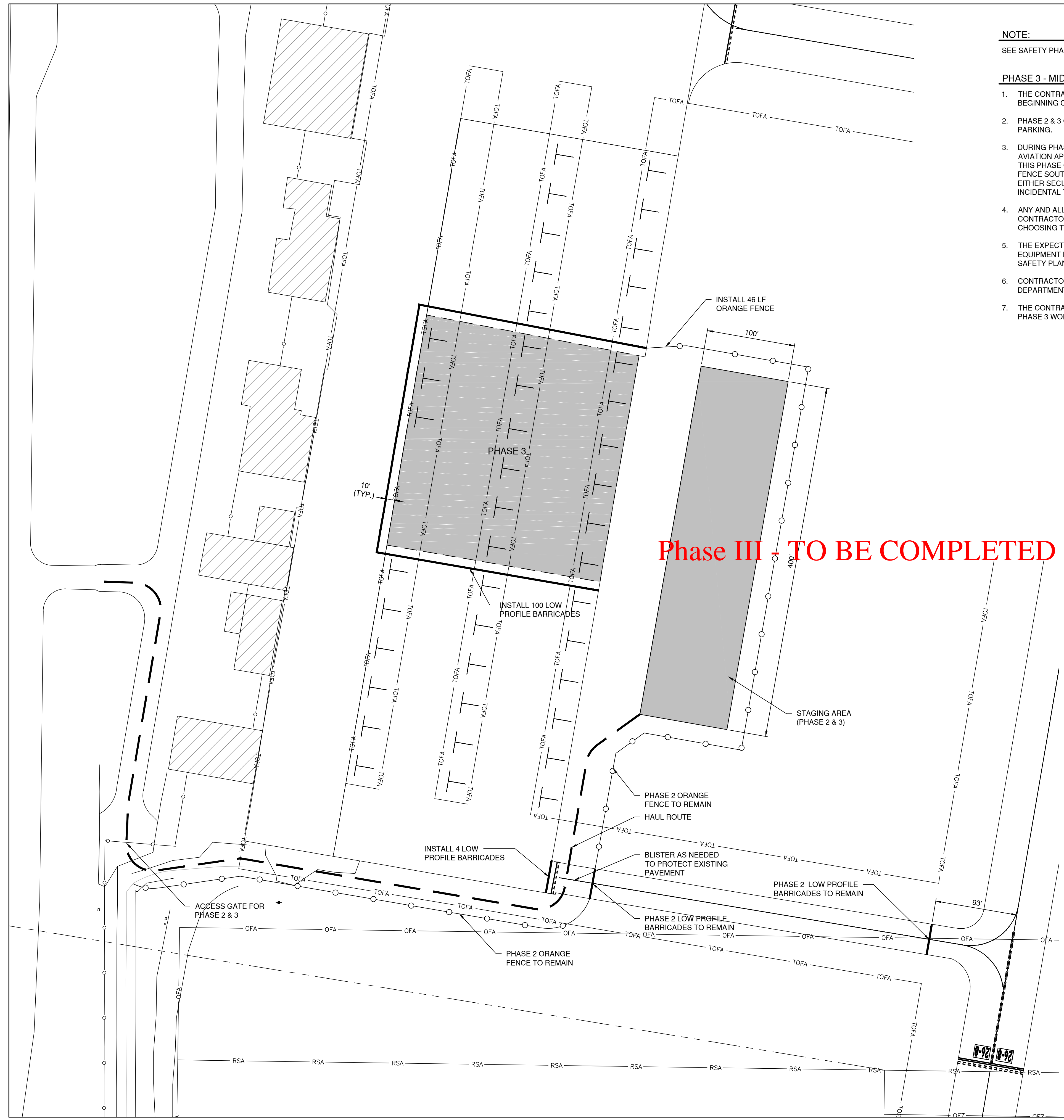
LEGEND

	PHASE 3
	TEMPORARY HAUL ROUTE
	LIMITS OF CONSTRUCTION
	LOW PROFILE BARRICADES

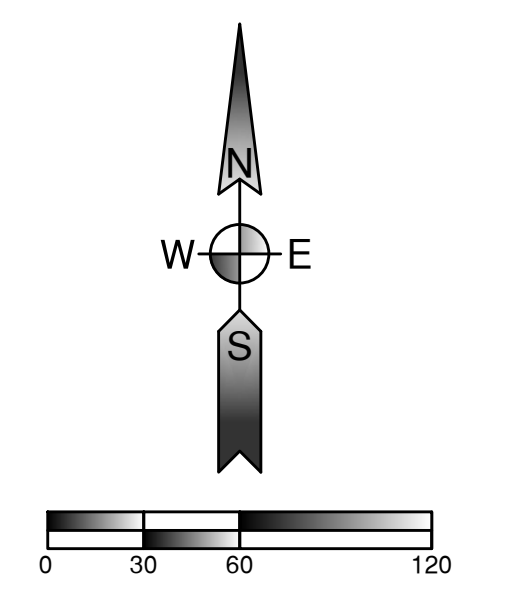
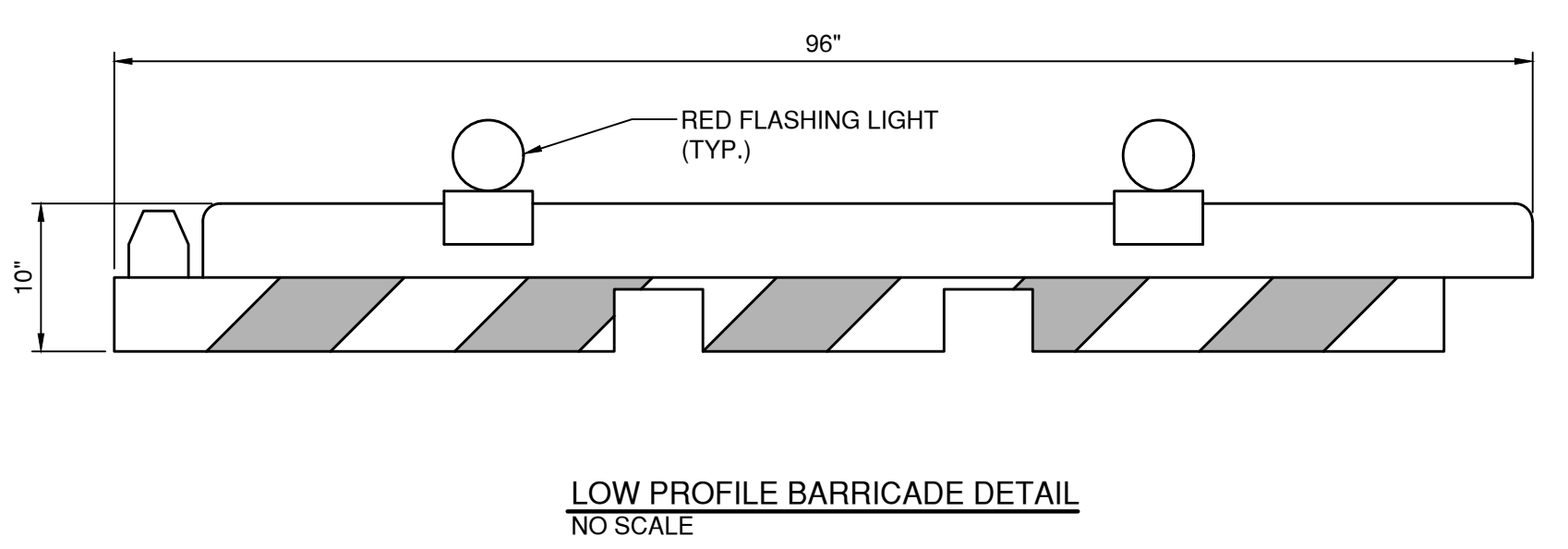
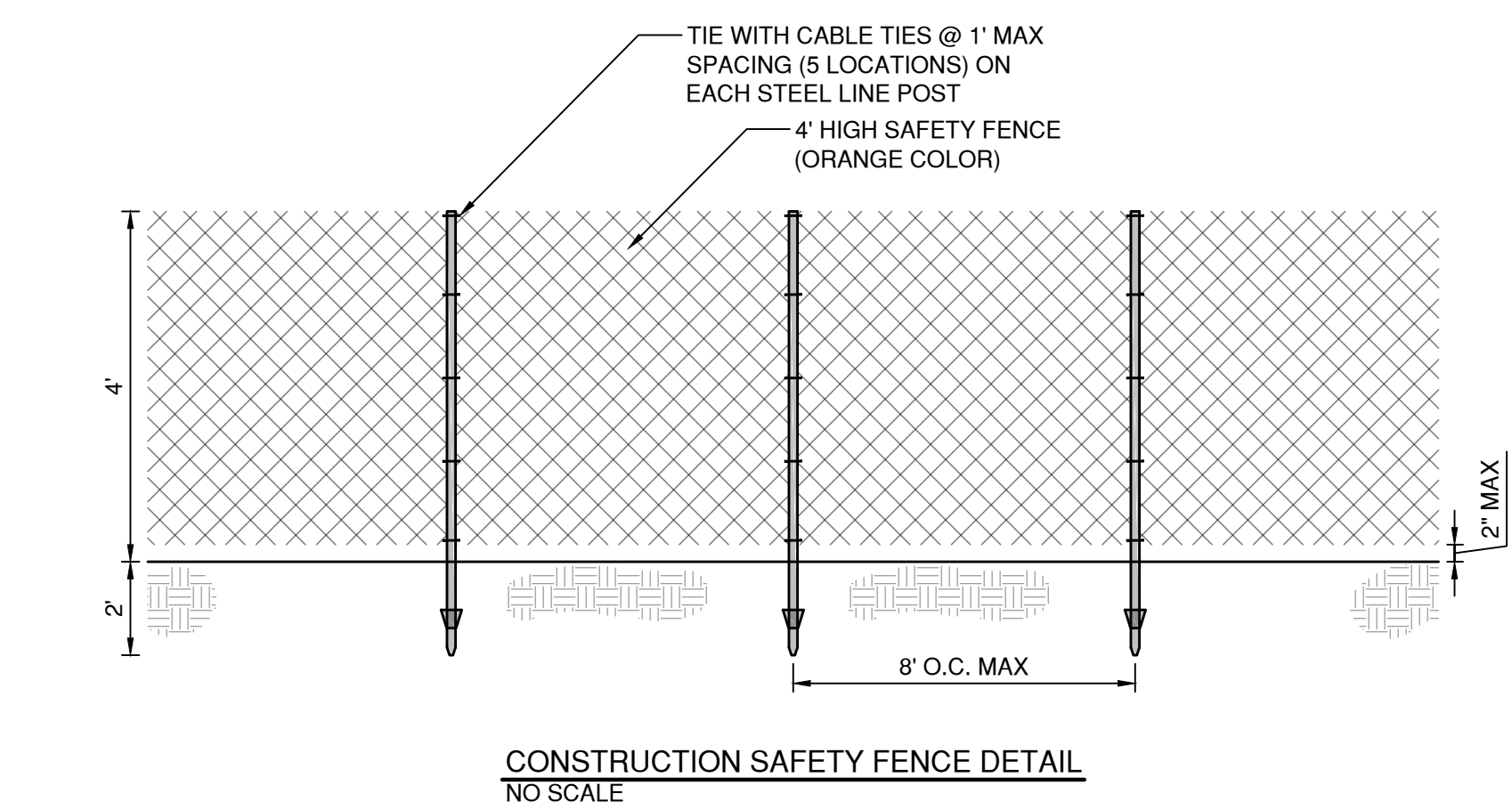
NOTE:
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PHASE 3 - MID SECTION OF GA APRON:

1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER A MINIMUM OF 7 CALENDAR DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON PHASE 3.
2. PHASE 2 & 3 CANNOT BE WORKED ON CONCURRENTLY DUE TO NEEDING TO MAINTAIN A MINIMUM AMOUNT OF AIRPLANE PARKING.
3. DURING PHASE 3, THE CONTRACTOR SHALL COMPLETE THE RECONSTRUCTION OF THE MID SECTION OF THE GENERAL AVIATION APRON. THE GENERAL AVIATION APRON SHALL BE CLOSED BY CONSTRUCTION BARRICADES (AS SHOWN) FOR THIS PHASE OF WORK. CONTRACTOR ACCESS TO THIS AREA SHALL BE THROUGH AN EXISTING AIRPORT SECURITY FENCE SOUTHWEST OF THE G.A. APRON. THE CONTRACTOR SHALL MAINTAIN AIRPORT SECURITY AT ALL TIMES BY EITHER SECURING THE GATE WITH AN APPROVED LOCK OR BY A GATE GUARD. THIS SECURITY WORK SHALL BE INCIDENTAL TO OTHER BID ITEMS.
4. ANY AND ALL DAMAGE TO THE EXISTING PAVEMENTS AND TURF SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL TAKE THIS INTO ACCOUNT WHEN CHOOSING THE TYPES OF CONSTRUCTION EQUIPMENT AND EQUIPMENT LOADING.
5. THE EXPECTED MAXIMUM HEIGHT OF CONSTRUCTION EQUIPMENT IS 25 FEET. THE CONTRACTOR SHALL VERIFY ANY EQUIPMENT HEIGHT MORE THAN 25 FEET AND SUBMIT ALL REVISIONS FOR REVIEW AND INCORPORATION INTO THE SAFETY PLAN. CONSTRUCTION EQUIPMENT WILL NOT EXCEED FAR PART 77 - 20:1 SURFACES.
6. CONTRACTOR SHALL SUPPLY SIGNAGE ON HIGHWAY AS REQUIRED BY THE CITY OF MINOT. CONTACT CITY ENGINEERING DEPARTMENT TO DETERMINE SIGNAGE THAT IS REQUIRED.
7. THE CONTRACT TIME FOR THIS PHASE SHALL BE 24 WORKING DAYS AND SHALL COMMENCE WITH THE CLOSURE OF PHASE 3 WORKING AREA.



Phase III - TO BE COMPLETED



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 4/26/2017

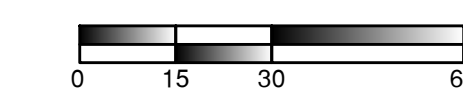
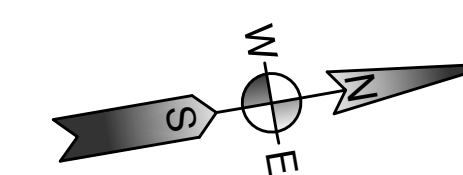
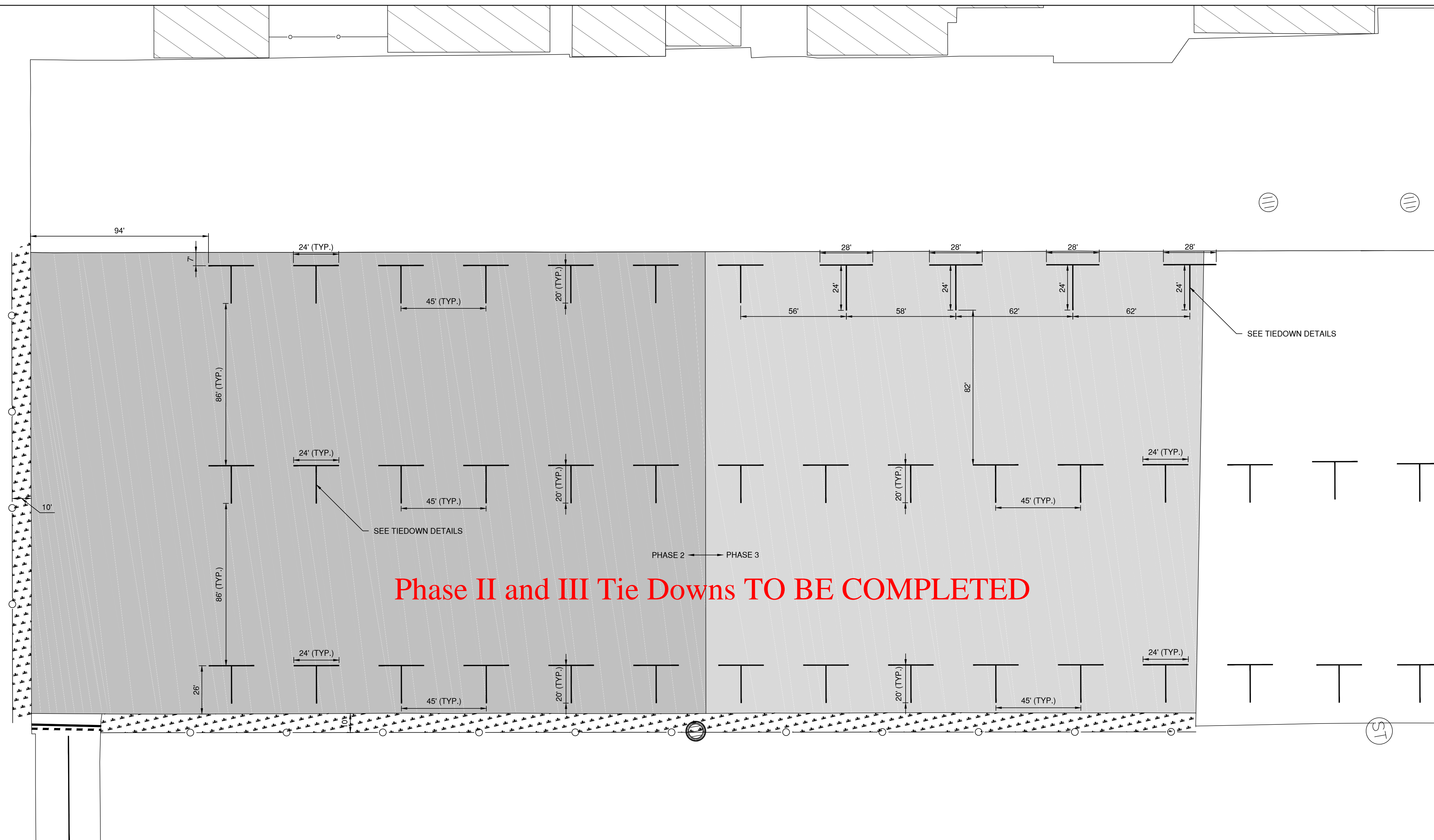


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SAFETY PHASING PLAN PHASE 3

GENERAL AVIATION APRON RECONSTRUCTION
Minot International Airport
 Minot, North Dakota

Revision	Date	Description	By



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 4/26/2017

LEGEND

- SILT FENCE
- SEEDING WITH BONDED FIBER MATRIX
- INLET PROTECTION

SEEDING, MARKING, & EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. ULTEIG ENGINEERS INC. DOES NOT CERTIFY THE ACCURACY OR COMPLETENESS OF THE UTILITIES SHOWN. PERSONS USING THIS SURVEY SHALL CONTACT EACH UTILITY COMPANY PRIOR TO CONSTRUCTION TO VERIFY ALL UTILITIES.
3. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN EROSION CONTROL DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION.
5. EROSION CONTROL QUANTITIES SHALL BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION.
6. CONTRACTOR SHALL GRADE, SEED & MULCH AREAS DISTURBED OUTSIDE OF CONSTRUCTION LIMITS AT NO COST TO THE OWNER.
7. CONTRACTOR TO REMOVE EROSION CONTROL DEVICES UPON ESTABLISHMENT OF TURF.
8. PAVEMENT MARKING SHALL COMPLY TO THE CURRENT VERSION OF FAA ADVISORY CIRCULAR 150/5340.
9. ALL YELLOW PAVEMENT MARKINGS SHALL RECEIVE GLASS BEADS. GLASS BEADS SHALL BE INCIDENTAL TO UNIT COST OF PAVEMENT MARKING.

SEEDING, MARKING, & EROSION CONTROL QUANTITIES:

- PHASE 2**
 SEEDING WITH BONDED FIBER MATRIX - 635 SY
 TOPSOILING 4" - 635 SY
 SILT FENCING - 570 LF
 INSTALL INLET PROTECTION - 1 EA
 INSTALL TIEDOWNS - 54 EA
 PAVEMENT MARKING - 396 SF
- PHASE 3**
 SEEDING WITH BONDED FIBER MATRIX - 293 SY
 TOPSOILING 4" - 293 SY
 SILT FENCING - 260 LF
 INSTALL TIEDOWNS - 51 EA
 PAVEMENT MARKING - 390 SF



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SEEDING, MARKING, & EROSION CONTROL PLAN
 PHASE 2 & 3

Project Number: 16.02082
 Date: April 12, 2017
 Sheets: 13 of 14