

# CONSTRUCTION PLANS

## FOR

# DEKALB TAYLOR MUNICIPAL AIRPORT

## DEKALB, DEKALB COUNTY, ILLINOIS

## REHABILITATE BITUMINOUS T-HANGAR PAVEMENT



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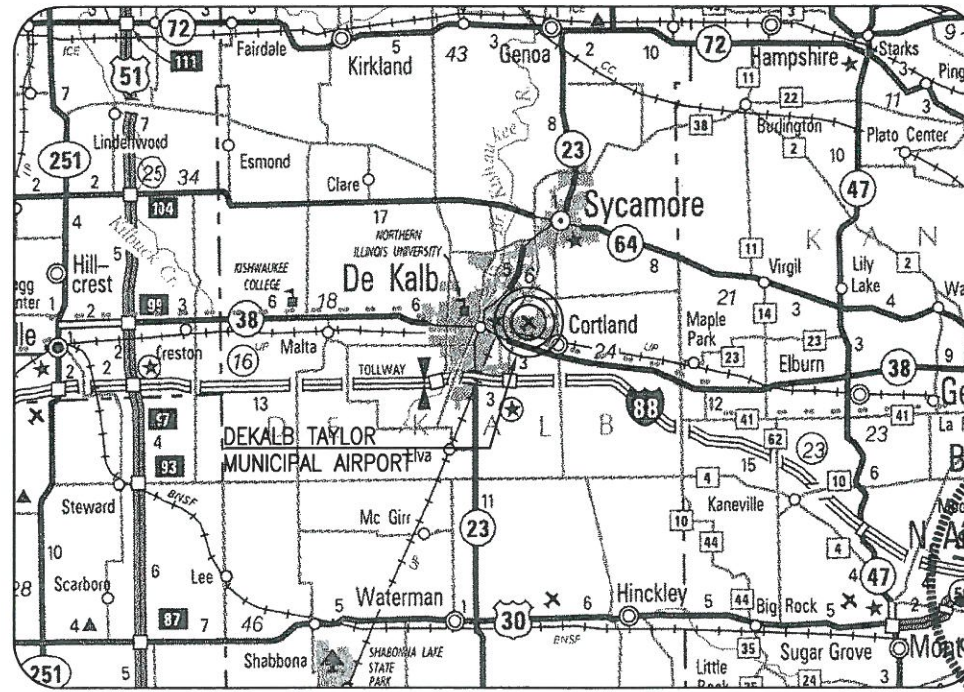
Hanson Professional Services Inc.  
1525 S. 6th Street  
Springfield, IL 62568  
phone: 217-788-2450  
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Illinois Licensed  
Professional Service Corporation  
#184-001084



**SCOPE OF WORK**

THIS PROJECT CONSISTS OF REHABILITATING THE BITUMINOUS PAVEMENT IN T-HANGAR AREA. ASSOCIATED WORK ITEMS CONSIST OF BITUMINOUS PAVEMENT REMOVAL, DRAINAGE STRUCTURE ADJUSTMENT, INSTALLATION OF A GEOTECH FABRIC, CRUSHED AGGREGATE BASE COURSE, BITUMINOUS PAVEMENT, SHOULDER ADJUSTMENT, PAVEMENT MARKING, SEEDING AND MULCHING.



**LOCATION**



ILL. PROJ.: DKB-4307  
S.B.G. PROJ.: 3-17-SBGP-xx

LATITUDE: 41° 55' 48"  
LONGITUDE: 88° 42' 48"  
ELEVATION: 911.0' M.S.L.  
DATE: FEB. 11, 2014



Hanson Professional Services Inc.

Submitted by Charles A. Hagloch ENG'R

Date Submitted FEBRUARY 28, 2014

Lics. Exp. Date NOVEMBER 30, 2015

**CITY OF DEKALB**

Approved [Signature]  
Asst. Director Of Public Works And Engineering

Date 2/20/2014

REHABILITATE  
BITUMINOUS  
T-HANGAR  
PAVEMENT

IDA No: DKB-4307  
Contract No. DK055

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: FEBRUARY 28, 2014  
PROJECT NO: 13A0060D  
CAD FILE: G-001-CVR.DWG  
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DRAWN BY: BAK 12/17/13  
REVIEWED BY: BSS/KDM 02/10/14  
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SHEET TITLE

COVER SHEET

FEB 25, 2014 3:18 PM HAGL000382 p:\tsp-eyr306\hanson.com\Hanson Projects\Documents\13\Jobs\13A0060D\CAD\Airport\SheetG-001-CVR

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150520	MOBILIZATION	L.S.	1	
AR150540	HAUL ROUTE	L.S.	1	
AR152480	SHOULDER ADJUSTMENT	S.Y.	337	
AR152540	SOIL STABILIZATION FABRIC	S.Y.	5,681	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	2,968	
AR401613	BIT. SURF. CSE.-METHOD 1, SUPERPAVE	TON	1,363	
AR401665	BITUMINOUS PAVEMENT SAWING	L.F.	357	
AR401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	5,681	
AR602510	BITUMINOUS PRIME COAT	GAL.	1,988	
AR603510	BITUMINOUS TACK COAT	GAL.	852	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	1,545	
AR620525	PAVEMENT MARKING-BLACK BORDER	S.F.	1,260	
AR751940	ADJUST INLET	EA.	1	

INDEX TO SHEETS

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8	PROPOSED STAKING PLAN
9	PROPOSED MARKING PLAN
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11	CROSS-SECTIONS FOR T-HANGAR PAVEMENT STA. 1+50 TO STA. 2+00
12	CROSS-SECTIONS FOR T-HANGAR PAVEMENT STA. 2+50 TO STA. 3+00
13	CROSS-SECTIONS FOR T-HANGAR PAVEMENT STA. 3+50 TO STA. 4+00
14	CROSS-SECTIONS FOR T-HANGAR PAVEMENT STA. 4+21 TO STA. 4+49

REHABILITATE  
BITUMINOUS  
T-HANGAR  
PAVEMENT

IDA No: DKB-4307

Contract No. DK055

NO.	DATE	DESCRIPTION		
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REVIEWED BY: BSS/KDM 02/10/14

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SHEET TITLE

SUMMARY OF  
QUANTITIES AND  
INDEX TO SHEETS



**UTILITY NOTE**

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. **CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123.** CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

**HAUL ROUTE AND VEHICLE PARKING**

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND PARKING AREA AS SHOWN ON THIS SHEET. THE PROPOSED PARKING AREA WILL BE 100' X 100'. THE CONTRACTOR WILL PLACE TRAFFIC CONES ALONG THE LIMIT OF THE PROPOSED HAUL ROUTE LOCATED ON THE EXISTING BITUMINOUS PAVEMENT. THE CONES WILL BE AT LEAST 20' APART. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING AREA THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE OF THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AND AT THE CONTRACTOR'S OWN EXPENSE. AT THE CONCLUSION OF THE PROJECT THE CONTRACTOR WILL GRADE, FERTILIZE, SEED AND MULCH THE HAUL ROUTE AS NEEDED TO RESTORE IT TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**CONTRACTOR RESPONSIBILITIES**

THE CONTRACTOR'S EQUIPMENT PARKING AND STORAGE AREA WILL BE AS SHOWN ON THIS SHEET. THE CONTRACTOR'S EMPLOYEES WILL PARK THEIR VEHICLES IN THIS AREA. ONLY CONTRACTOR VEHICLES WILL BE ALLOWED OUTSIDE THIS AREA.

THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREA AND ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS" TO THEM.

**BARRICADES AND TRAFFIC CONES**

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS SHOWN ON THIS SHEET AND/OR AS DIRECTED BY THE AIRPORT MANAGER. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING OR RED STEADY-BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. OVERALL HEIGHT OF THE BARRICADES WILL BE 20". THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**SCOPE OF WORK**

THIS PROJECT CONSISTS OF REHABILITATING THE BITUMINOUS PAVEMENT IN T-HANGAR AREA. ASSOCIATED WORK ITEMS CONSIST OF BITUMINOUS PAVEMENT REMOVAL, DRAINAGE STRUCTURE ADJUSTMENT, INSTALLATION OF A GEOTECH FABRIC, CRUSHED AGGREGATE BASE COURSE, BITUMINOUS PAVEMENT, SHOULDER ADJUSTMENT, PAVEMENT MARKING, SEEDING AND MULCHING.

**AIRPORT SECURITY NOTE**

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL CLOSE AND LOCK THE PROPOSED GATE IN THE HAUL ROUTE AT THE END OF EACH WORKING DAY.

**HEIGHT OF CONSTRUCTION EQUIPMENT**

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A DUMP TRUCK. THE CONTRACTOR WILL DETERMINE THE CLEARANCE BETWEEN THE PROPOSED HAUL ROUTE AND THE OVERHEAD ELECTRIC LINE AND PLACE A SIGN ON THE HAUL ROUTE DELINEATING TO DRIVERS THE OVERHEAD ELECTRIC LINE AND THE AMOUNT OF CLEARANCE.

**CERTIFIED PAYROLLS**

THE RESIDENT ENGINEER CANNOT FORWARD CONSTRUCTION REPORTS TO THE ILLINOIS DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THE PERIOD HAVE BEEN RECEIVED.

**MATERIAL CERTIFICATION**

COMPLETED WORK CANNOT BE PLACED ON A CONSTRUCTION REPORT UNTIL ALL MATERIAL CERTIFICATIONS FOR THAT PAY ITEM HAVE BEEN RECEIVED, REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER.

**NOTE**

ALL CONSTRUCTION/OPERATIONS ARE TO BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF FAA ADVISORY CIRCULAR (AC) 150/5370-2 "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION" AND AC 150/5300-13 "AIRPORT DESIGN".

ALL CONSTRUCTION EQUIPMENT ON THE AIRPORT SHALL BE MARKED, LIGHTED AND/OR FLAGGED IN ACCORDANCE WITH THE LATEST EDITION OF AC 150/5210-5 AND 70/7460-1.

CONTROL POINT DATA				
NO.	DESCRIPTION	ELEV.	NORTHING	EASTING
1	SOUTHWEST NUT ON BEACON BASE	908.67	-	-
2	NGS MONUMENT "KALIPORT AZ MK" STAINLESS STEEL ROD IN SLEEVE (NOT SHOWN)	903.47	1,917,359.991	878,328.358
3	NGS MONUMENT "KALIPORT" STAINLESS STEEL ROD IN SLEEVE (NOT SHOWN)	907.81	1,917,400.033	879,876.511

**NOTIFICATION FOR T-HANGAR TENEANTS**

THIS PROJECT WILL NOT ALLOW THE 20 AIRCRAFT LOCATED IN THE TWO T-HANGARS TO LEAVE THEIR HANGAR SPACE. IF A PILOT DESIRES TO FLY HIS AIRCRAFT DURING THIS PROJECT, THEN HE WILL HAVE TO MOVE THE AIRCRAFT PRIOR TO THE START OF THIS PROJECT.

THE CONTRACTOR WILL NOTIFY THE AIRPORT MANAGER AT LEAST TWO WEEKS PRIOR TO STARTING THIS PROJECT. THE AIRPORT MANAGER WILL NEED THIS TIME TO NOTIFY THE AIRCRAFT OWNERS AND ALLOW THEM TO MOVE THEIR AIRCRAFT.

**J.U.L.I.E. INFORMATION**

COUNTY \_\_\_\_\_ DEKALB  
CITY \_\_\_\_\_ DEKALB  
TOWNSHIP \_\_\_\_\_ CORTLAND  
SECTION NO. \_\_\_\_\_ 18 & 19  
ADDRESS \_\_\_\_\_ DEKALB MUNICIPAL AIRPORT  
3232 EAST PLEASANT STREET  
DEKALB, ILLINOIS 60115  
815-756-7525

**PROPOSED SAFETY PLAN**

GENERAL - THE DEKALB TAYLOR MUNICIPAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION WILL NOT NECESSITATE CLOSING ANY RUNWAYS.

IDENTIFICATION - WHEN THE CONTRACTORS VEHICLES AND EQUIPMENT ARE ON THE AIRPORT THEY SHALL BE PROPERLY MARKED WITH THREE (3') FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). THE CONTRACTOR WILL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION CREW.

RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (122.70 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE DEKALB TAYLOR MUNICIPAL AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

**150-ENGINEER'S FIELD OFFICE NOTES**

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE FURNISHED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH ITEM AR150510 "ENGINEER'S FIELD OFFICE" AS STATED ON PAGE 49 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS APRIL 1, 2012.

THE LOCATION OF THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.

THE ENGINEERING FIRM WILL MAKE PAYMENT FOR ALL LONG DISTANCE TELEPHONE CALLS IN EXCESS OF ONE HUNDRED DOLLARS (\$100.00) PER MONTH.

THE CONTRACTOR WILL FURNISH A WIRELESS PHONE TO THE RESIDENT ENGINEER FOR HIS EXCLUSIVE USE FOR THE DURATION OF THIS PROJECT. THE RESIDENT ENGINEER WILL USE THIS PHONE FOR PROJECT BUSINESS ONLY. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CHARGES ASSOCIATED WITH THIS CELL PHONE.

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE PAID FOR UNDER ITEMS: AR150510 ENGINEER'S FIELD OFFICE \_\_\_\_ 1 L.S.

**EROSION CONTROL**

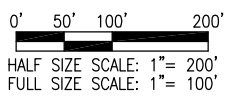
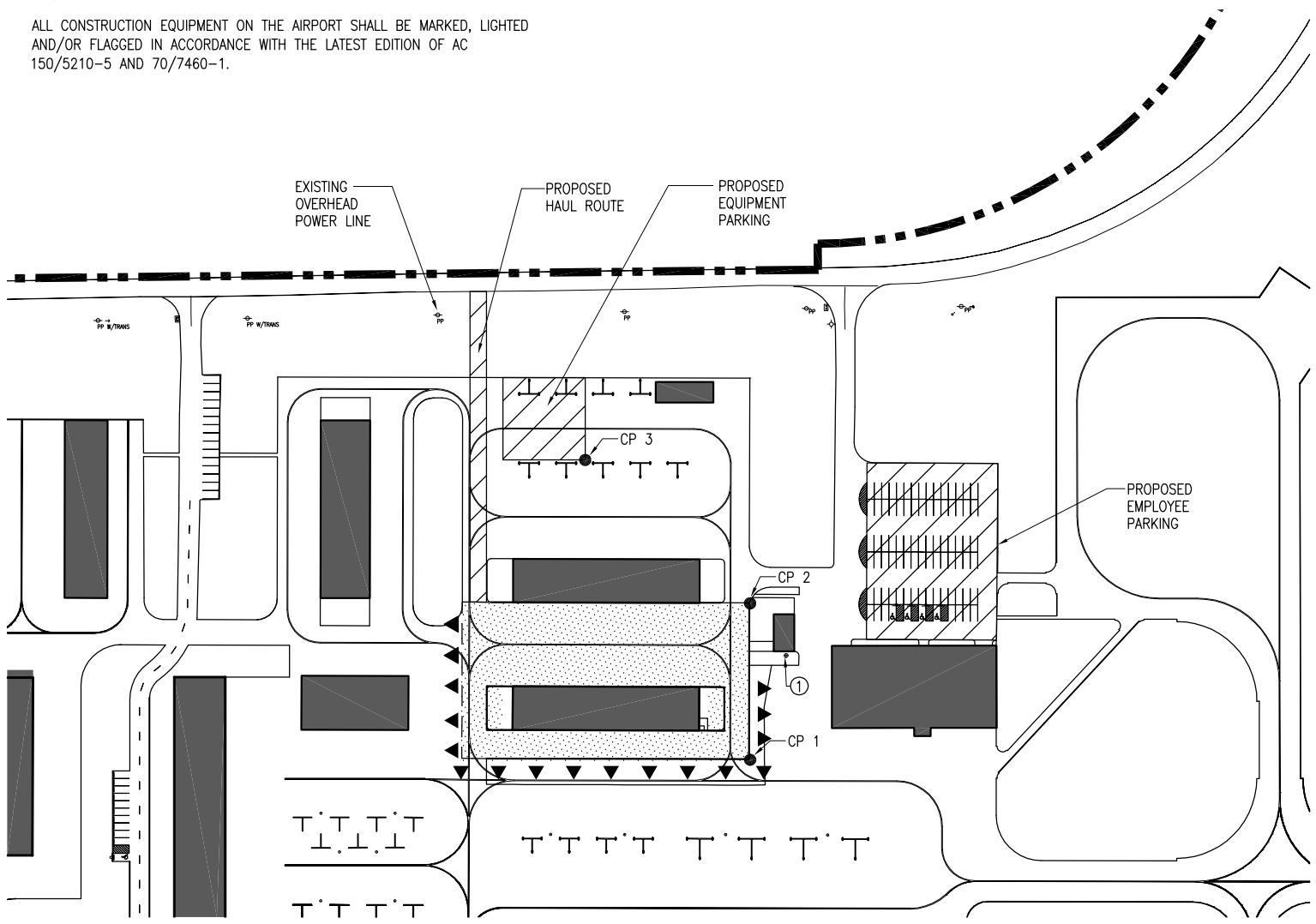
THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF LAND, THEREFORE NO N.P.D.E.S. PERMIT WILL BE REQUIRED.

**CRITICAL POINT DATA**

- CRITICAL POINT #1**  
LATITUDE: 41° 55' 52.88759"  
LONGITUDE: 88° 42' 38.05128"  
ELEVATION: 909.26 M.S.L.
- CRITICAL POINT #2**  
LATITUDE: 41° 55' 54.76604"  
LONGITUDE: 88° 42' 38.06330"  
ELEVATION: 909.41 M.S.L.
- CRITICAL POINT #3**  
LATITUDE: 41° 55' 56.47835"  
LONGITUDE: 88° 42' 40.72322"  
ELEVATION: 910.43 M.S.L.

**LEGEND**

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
- PROPOSED BENCHMARK
- PROPOSED BARRICADES OR TRAFFIC CONES



**REHABILITATE BITUMINOUS T-HANGAR PAVEMENT**

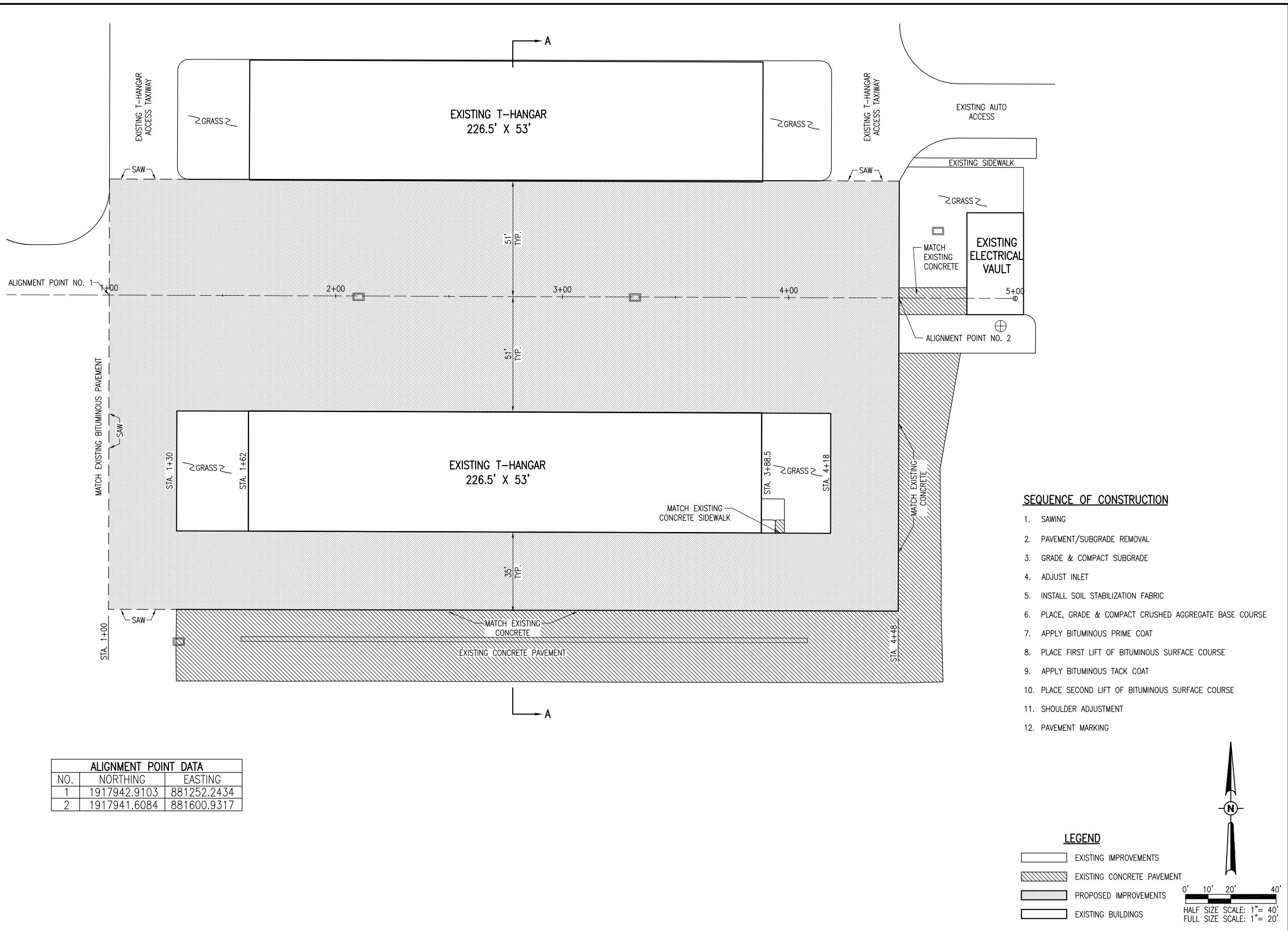
IDA No: DKB-4307

Contract No. DK055

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: FEBRUARY 28, 2014  
PROJECT NO: 13A0060D  
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SHEET TITLE

**PROPOSED SAFETY PLAN**

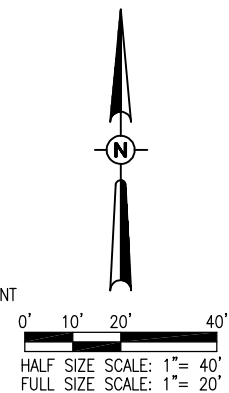


**SEQUENCE OF CONSTRUCTION**

1. SAWING
2. PAVEMENT/SUBGRADE REMOVAL
3. GRADE & COMPACT SUBGRADE
4. ADJUST INLET
5. INSTALL SOIL STABILIZATION FABRIC
6. PLACE, GRADE & COMPACT CRUSHED AGGREGATE BASE COURSE
7. APPLY BITUMINOUS PRIME COAT
8. PLACE FIRST LIFT OF BITUMINOUS SURFACE COURSE
9. APPLY BITUMINOUS TACK COAT
10. PLACE SECOND LIFT OF BITUMINOUS SURFACE COURSE
11. SHOULDER ADJUSTMENT
12. PAVEMENT MARKING

**LEGEND**

- EXISTING IMPROVEMENTS
- EXISTING CONCRETE PAVEMENT
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS



ALIGNMENT POINT DATA		
NO.	NORTHING	EASTING
1	1917942.9103	881252.2434
2	1917941.6084	881600.9317

**REHABILITATE BITUMINOUS T-HANGAR PAVEMENT**

IDA No: DKB-4307

Contract No. DK055

NO.	DATE	DESCRIPTION	
		LAY	REV

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SHEET TITLE

**PROPOSED CONSTRUCTION PLAN**

**AR401613 BITUMINOUS SURFACE COURSE—METHOD 1, SUPERPAVE**

THE BITUMINOUS SURFACE COURSE (401) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR401003 "BITUMINOUS SURFACE COURSE—METHOD 1, SUPERPAVE" AS STATED ON PAGE 127 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.

THIS ITEM OF WORK SHALL CONSIST OF CONSTRUCTING: 2 LIFT OF BITUMINOUS SURFACE COURSE—METHOD 1, SUPERPAVE (2 INCH DEPTH) ON THE PROPOSED AGGREGATE BASE COURSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY CONTROL IN THE PRODUCTION AND CONSTRUCTION OF THE BITUMINOUS SURFACE COURSE METHOD 1, SUPERPAVE.

PRIOR TO STARTING THE BITUMINOUS SURFACE COURSE—METHOD 1, SUPERPAVE OPERATION, THE CONTRACTOR SHALL SUBMIT TO THE RESIDENT ENGINEER A DETAILED OUTLINE SHOWING AREAS AND ORDER OF PAVING WIDTHS OF PAVING LANES, AND REQUIRED OFFSETS FOR ELECTRONIC GRADE.

THE PROPOSED BITUMINOUS SURFACE COURSE METHOD 1, SUPERPAVE WILL BE DESIGNED TO A SUPERPAVE DESIGN OF LESS THAN 60,000 POUNDS.

401-4.9 ADD THE FOLLOWING TO THIS SECTION:

WHEN HAND SPREADING IS PERMITTED, THE MIXTURE WILL BE DISTRIBUTED AND SPREAD USING HAND TOOLS. WHEN THE WORK IS COMPLETED, THE LAYER WILL HAVE THE REQUIRED THICKNESS AND CONFORM TO THE GRADE AND SURFACE CONTOUR SHOWN ON THE PLANS.

401-4.12 ADD THE FOLLOWING TO THIS PARAGRAPH:

ALL PAVEMENT EDGES (LONGITUDINAL, RADIUS, AND PAVEMENT ENDS) MUST BE LEFT IN PROPER ALIGNMENT AS SHOWN ON THE PLANS. THIS MAY BE ACCOMPLISHED BY THE TRIMMING METHOD OUTLINED ABOVE OR AT THE CONTRACTOR'S OPTION BY SAWING AFTER THE PAVING HAS BEEN COMPLETED. NO ADDITIONAL COMPENSATION WILL BE MADE IF THE SAWING METHOD IS USED.

401-6.1 ADD THE FOLLOWING TO THIS SECTION

AR401613 BIT. SURF. CSE—METHOD 1, SUPERPAVE \_\_\_\_\_ PER TON

**602-BITUMINOUS PRIME COAT NOTES:**

THE BITUMINOUS PRIME COAT (602) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR602 "BITUMINOUS PRIME COAT" AS STATED ON PAGE 247 OF THE ILLINOIS STANDARD SPECIFICATION FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.

THE PROPOSED BITUMINOUS PRIME COAT SHALL BE PLACED ON THE PROPOSED AGGREGATE BASE COURSE PRIOR TO THE PLACEMENT OF THE FIRST LIFT OF PROPOSED BITUMINOUS BASE COURSE. THE PROPOSED AGGREGATE BASE COURSE SHALL HAVE A PRIME COAT OF BITUMINOUS MATERIAL APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ILLINOIS STANDARD SPECIFICATION FOR CONSTRUCTION OF AIRPORTS.

THE PROPOSED BITUMINOUS PRIME COAT WILL BE PAID FOR UNDER ITEM:  
AR602510 BITUMINOUS PRIME COAT \_\_\_\_\_ PER GAL.

**603-BITUMINOUS TACK COAT NOTES:**

THE BITUMINOUS TACK COAT (603) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR603 "BITUMINOUS TACK COAT" AS STATED ON PAGE 250 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.

THE PROPOSED BITUMINOUS TACK COAT SHALL BE PLACED ON THE PROPOSED BITUMINOUS PAVEMENT PRIOR TO THE PLACEMENT OF THE NEXT LIFT OF PROPOSED BITUMINOUS SURFACE COURSE. THE PROPOSED BITUMINOUS PAVEMENT SHALL HAVE A TACK COAT OF BITUMINOUS MATERIAL APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS.

THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM:  
AR603510 BITUMINOUS TACK COAT \_\_\_\_\_ PER GAL.

**AR209-CRUSHED AGGREGATE BASE COURSE NOTES**

THE CRUSHED AGGREGATE BASE COURSE (209) SHALL BE PLACED IN ACCORDANCE WITH ITEM 209 "CRUSHED AGGREGATE BASE COURSE" AS STATED ON PAGE 92 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.

THE PROPOSED CRUSHED AGGREGATE BASE COURSE MATERIAL WILL BE 9 INCHES IN DEPTH AND COMPACTED TO NOT LESS THAN 95 PERCENT DENSITY.

THE PROPOSED AGGREGATE FOR THE BASE COURSE MATERIAL SHALL MEET THE REQUIREMENTS OF GRADATION "B" IN TABLE 1 OF THE SUPPLEMENTAL SPECIFICATIONS.

209-3.2 EQUIPMENT. ADD THE FOLLOWING PARAGRAPHS TO THIS SECTION:

"PROVISIONS SHALL BE MADE BY THE CONTRACTOR FOR FURNISHING WATER AT THE PLANT AND AT THE SITE OF THE WORK BY EQUIPMENT OF AMPLE CAPACITY AND OF SUCH DESIGN AS TO ASSURE UNIFORM MIXING AND APPLICATION."

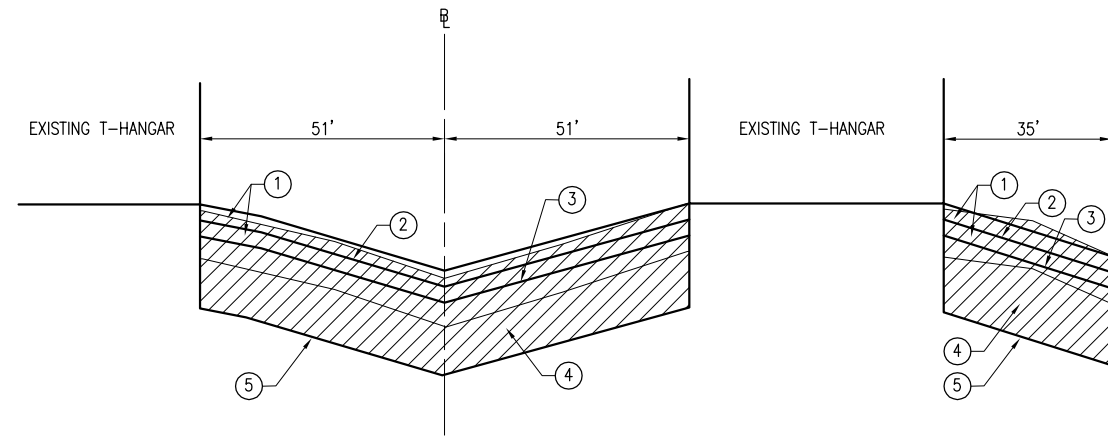
THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER A PROCTOR CURVE SHOWING OPTIMUM DENSITY AND MOISTURE FOR THE SUPPLIED BASE COURSE MATERIAL.

THE COMPACTION CONTROL TEST TO BE USED SHALL BE FAA COMPACTION CONTROL TEST T-611 FOR AIRCRAFT WEIGHING LESS THAN 60,000 LBS.

209-4.1. DELETE THE FIFTH SENTENCE AND REPLACE IT WITH THE FOLLOWING:

"IF AT THE TIME THE AGGREGATES ARE WEIGHED THEY CONTAIN MORE THAN SIX (6) PERCENT OF ABSORBED AND FREE MOISTURE BY WEIGHT, A DEDUCTION FOR THE MOISTURE IN EXCESS OF THIS AMOUNT SHALL BE MADE IN DETERMINING THE PAY QUANTITY."

209-5.1 ADD THE FOLLOWING TO THIS SECTION  
AR209510 CRUSHED AGGREGATE BASE COURSE\_\_\_\_\_ PER TON



**LEGEND FOR TYPICAL SECTION "A-A"**

- ① PROPOSED 4" BITUMINOUS SURFACE COURSE (2 LIFTS @ 2" DEPTH)
- ② PROPOSED BITUMINOUS TACK COAT (0.15 GAL./S.Y.)
- ③ PROPOSED BITUMINOUS PRIME COAT (0.35 GAL./S.Y.)
- ④ PROPOSED CRUSHED AGGREGATE BASE COURSE (9" DEPTH)
- ⑤ PROPOSED SOIL STABILIZATION FABRIC
- ▨ PROPOSED BITUMINOUS PAVEMENT REMOVAL (INCLUDING UNDERLYING EARTH MATERIAL)

**REHABILITATE  
BITUMINOUS  
T-HANGAR  
PAVEMENT**

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		LAY	DWN	REV

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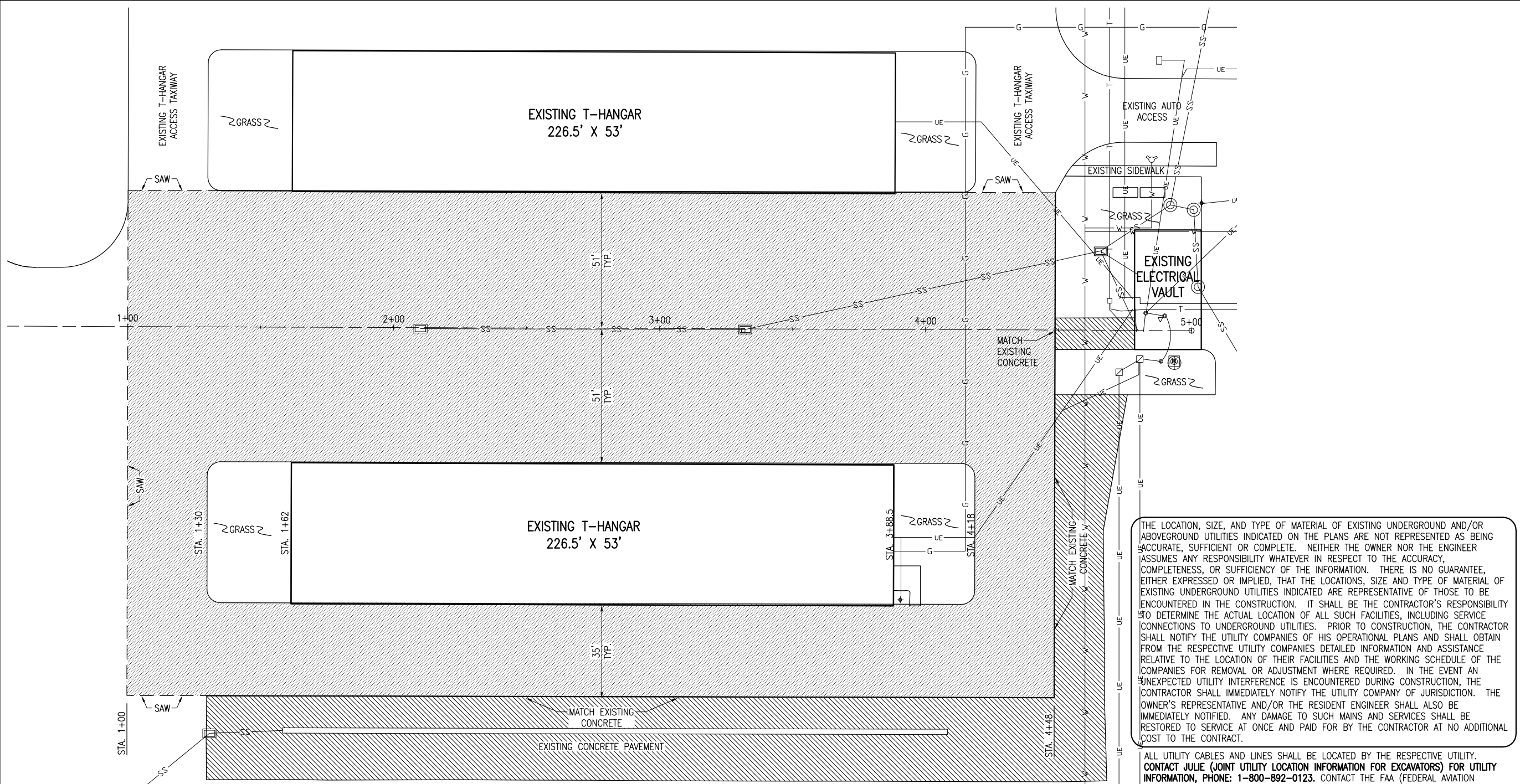
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REVIEWED BY: BSS/KDM 02/10/14

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SHEET TITLE

**PROPOSED  
CONSTRUCTION  
NOTES & TYPICAL  
SECTION**



THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. **CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123.** CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

**REMOVE BITUMINOUS PAVEMENT**

THE AREA(S) DESIGNATED AS [Hatched Area] ON THIS SHEET WILL HAVE THE EXISTING PAVEMENT AND UNDERLYING SUBGRADE REMOVED TO THE SUBGRADE OF THE PROPOSED PAVEMENT. ALL REMOVED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE.

WHERE THE PROPOSED REMOVAL AREA ABUTS THE EXISTING PAVEMENT, THE PAVEMENT WILL BE SAWED AS SHOWN ON THIS SHEET. THE SAWING WILL BE PAID FOR UNDER ITEM AR401655 BITUMINOUS PAVEMENT SAWING.

ANY ADJACENT PAVEMENT DAMAGED BY THE PAVEMENT REMOVAL OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

THE CONTRACTOR WILL PROTECT THE EXISTING T-HANGAR BUILDINGS AND CONCRETE FOUNDATIONS FROM ANY DAMAGE DURING THE REMOVAL OF THE EXISTING BITUMINOUS PAVEMENT. ANY DAMAGE WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.

AT THE CONTRACTOR'S DISCRETION, TO AID IN DRAINING STORM WATER OUT OF THE REMOVAL AREA DURING THE REMOVAL PROCESS, PLACEMENT OF THE CRUSHED AGGREGATE BASE COURSE AND BITUMINOUS SURFACE COURSE HE WILL BE ALLOWED TO DRILL 1/4" TO 1/2" DIAMETER HOLES IN THE TWO INLETS LOCATED WITHIN THE REMOVAL AREA. THE CONTRACTOR WILL FILL THESE HOLES WITH CONCRETE PRIOR TO COVERING THEM UP.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:  
AR401900 "REMOVE BITUMINOUS PAVEMENT" - PER S.Y.

**PAVEMENT SAWING NOTES**

WHERE THE PROPOSED REMOVAL AREA ABUTS THE EXISTING BITUMINOUS PAVEMENT, THE PAVEMENT WILL BE SAWED FULL DEPTH (4").

THE PROPOSED SAWING WILL PROVIDE A STRAIGHT EDGE AND VERTICAL FACE TO BUTT AGAINST.

THE RESIDENT ENGINEER WILL MARK THE PROPOSED SAW LINE IN THE FIELD.

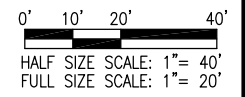
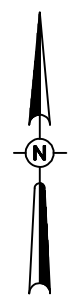
ANY BITUMINOUS PAVEMENT CUT FROM THE SAWING OPERATIONS WILL BE COLLECTED AND DISPOSED OF OFF THE AIRPORT SITE.

THE SAWING AND DISPOSAL OF ANY WASTE MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:  
AR401655 BITUMINOUS PAVEMENT SAWING \_\_\_\_ PER L.F.

**LEGEND**

- [Hatched Area] EXISTING IMPROVEMENTS
- [Diagonal Lines] EXISTING CONCRETE PAVEMENT (TO REMAIN)
- [Dotted Area] PROPOSED PAVEMENT REMOVAL
- [Solid Line] EXISTING BUILDINGS
- [Square with X] EXISTING INLET
- [Circle with X] EXISTING MANHOLE
- [Line with SS] EXISTING STORM SEWER
- [Line with G] EXISTING FLUME DRAIN



**REHABILITATE BITUMINOUS T-HANGAR PAVEMENT**

IDA No: DKB-4307

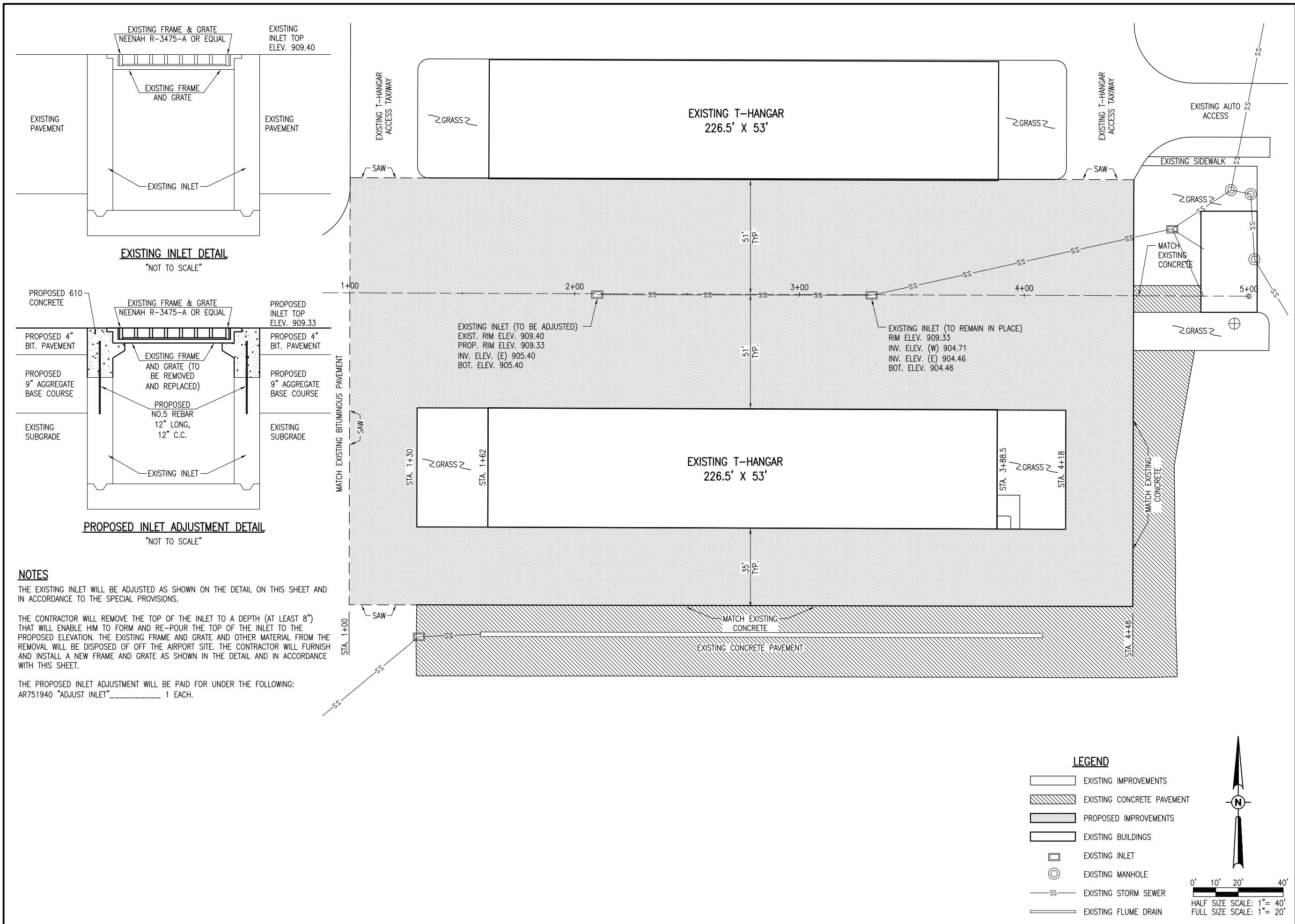
Contract No. DK055

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: FEBRUARY 28, 2014  
PROJECT NO: 13A0060D  
CAD FILE: C-111-PRP.DWG  
LAYOUT BY: CAH 12/20/13  
DRAWN BY: BAK 12/20/13  
REVIEWED BY: BSS/KDM 02/10/14  
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SHEET TITLE

**PROPOSED PAVEMENT PREPARATION PLAN**

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REHABILITATE  
BITUMINOUS  
T-HANGAR  
PAVEMENT

IDA No: DKB-4307

Contract No. DK055

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: FEBRUARY 28, 2014

PROJECT NO: 13A0060D

CAD FILE: C-131-DRN.DWG

LAYOUT BY: CAH 12/23/13

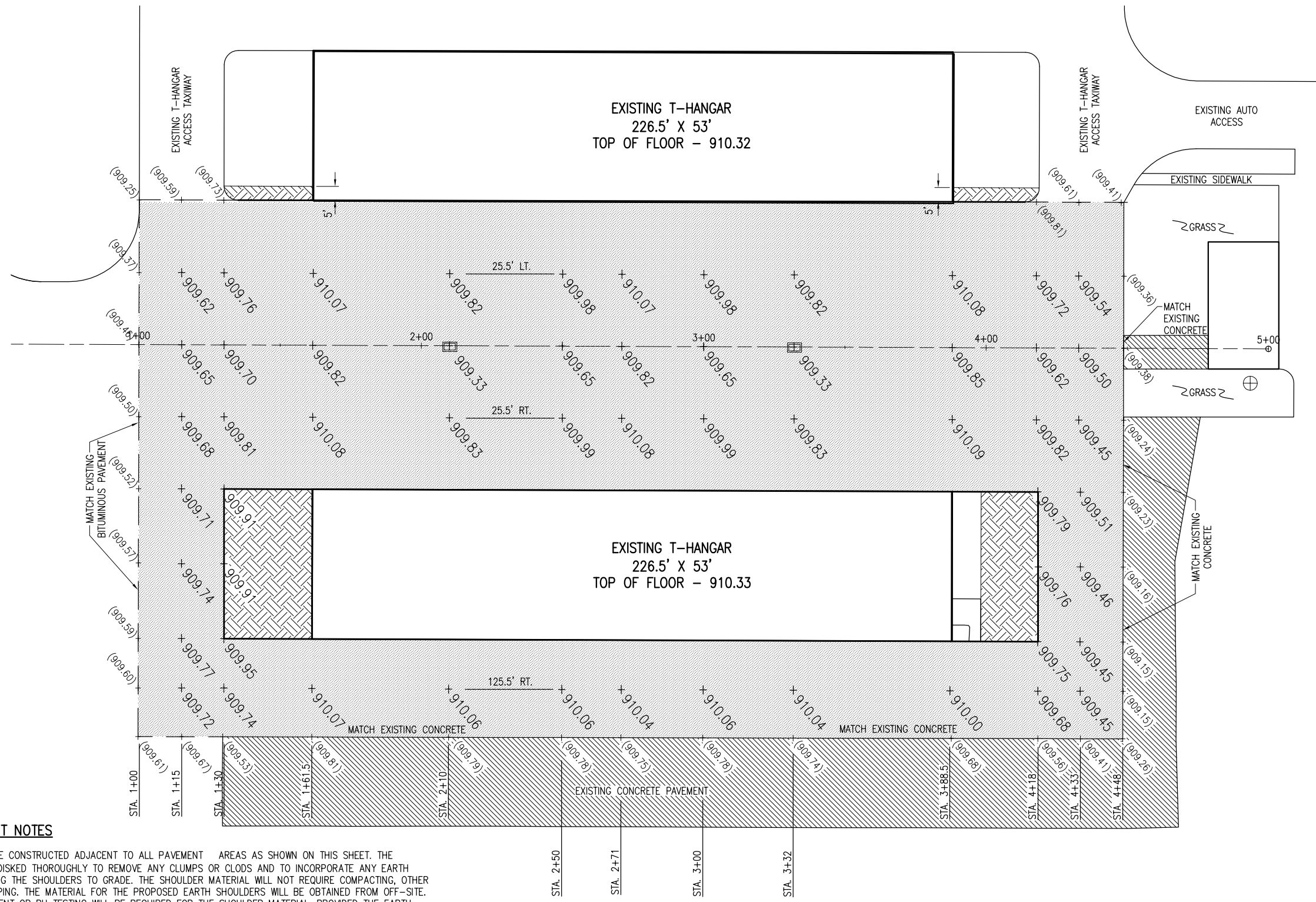
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PROPOSED  
DRAINAGE PLAN



**SHOULDER ADJUSTMENT NOTES**

THE EARTH SHOULDERS WILL BE CONSTRUCTED ADJACENT TO ALL PAVEMENT AREAS AS SHOWN ON THIS SHEET. THE EXISTING SOD WILL BE TILLED/DISKED THOROUGHLY TO REMOVE ANY CLUMPS OR CLOUDS AND TO INCORPORATE ANY EARTH MATERIAL BROUGHT IN TO BRING THE SHOULDERS TO GRADE. THE SHOULDER MATERIAL WILL NOT REQUIRE COMPACTING, OTHER THAN LIGHT ROLLING AND SHAPING. THE MATERIAL FOR THE PROPOSED EARTH SHOULDERS WILL BE OBTAINED FROM OFF-SITE. NO GRADATION, ORGANIC CONTENT OR PH TESTING WILL BE REQUIRED FOR THE SHOULDER MATERIAL, PROVIDED THE EARTH MATERIAL FACILITATES THE GROWTH OF THE SEEDING.

SEEDING AND MULCHING WILL BE PART OF THIS PAY ITEM. THE AREAS DESIGNATED FOR SHOULDER ADJUSTMENT WILL BE DONE IN ACCORDANCE TO 901 SEEDING AND 908 MULCHING SPECIFICATIONS AS STATED IN THE ILLINOIS STANDARD SPECIFICATION FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.

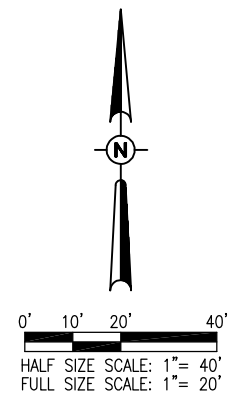
901-3.4 MAINTENANCE OF SEEDED AREAS. DELETE THE SECOND PARAGRAPH OF THIS SECTION AND ADD THE FOLLOWING:

"THE CONTRACTOR WILL BE REQUIRED TO ESTABLISH A GOOD STAND OF GRASS OF UNIFORM COLOR AND DENSITY TO THE SATISFACTION OF THE RESIDENT ENGINEER. IF AT THE TIME WHEN THE CONTRACT HAS BEEN OTHERWISE COMPLETED, IT IS NOT POSSIBLE TO MAKE AN ADEQUATE DETERMINATION OF COLOR, DENSITY, AND UNIFORMITY OF SUCH STAND OF GRASS, THE ITEM OF WORK WILL BE REVIEWED AT A LATER DATE DETERMINED BY THE ILLINOIS DIVISION OF AERONAUTICS."

DATE SEEDING COMPLETED \_\_\_\_\_

THE MATERIAL FOR THE PROPOSED EARTH SHOULDERS, THE SEED, FERTILIZER, LIME AND MULCH WILL BE PAID FOR UNDER: ITEM AR152480 "SHOULDER ADJUSTMENT" PER S.Y.

- LEGEND**
- EXISTING IMPROVEMENTS
  - EXISTING CONCRETE PAVEMENT
  - PROPOSED IMPROVEMENTS
  - EXISTING BUILDINGS
  - PROPOSED SHOULDER ADJUSTMENT
  - EXISTING GRADE
  - PROPOSED GRADE



**REHABILITATE BITUMINOUS T-HANGAR PAVEMENT**

IDA No: DKB-4307

Contract No. DK055


NO.	DATE	DESCRIPTION		
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ISSUE: FEBRUARY 28, 2014

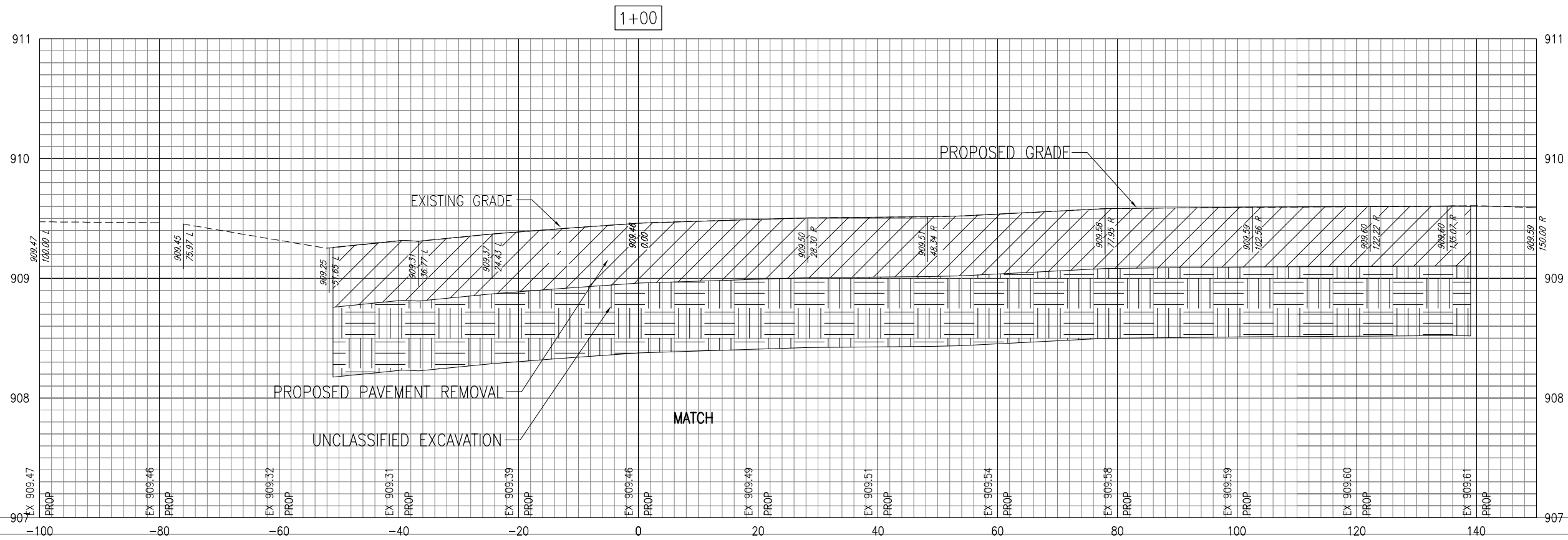
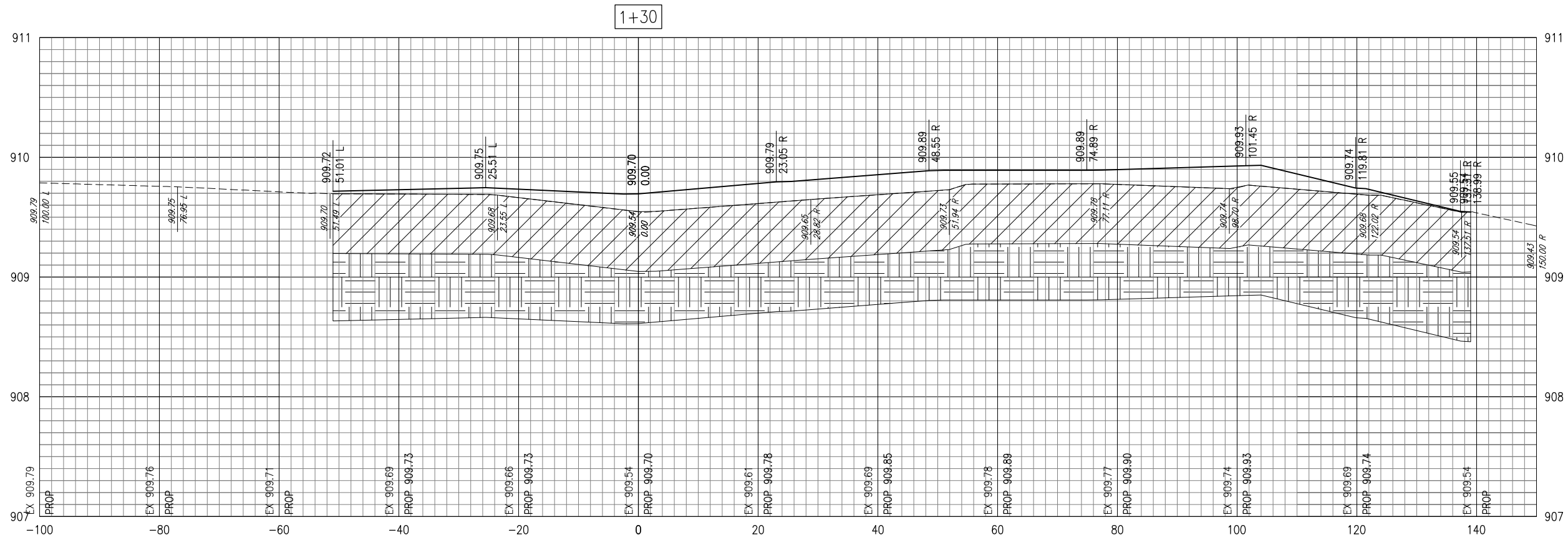
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**PROPOSED STAKING PLAN**

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**REHABILITATE  
BITUMINOUS  
T-HANGAR  
PAVEMENT**

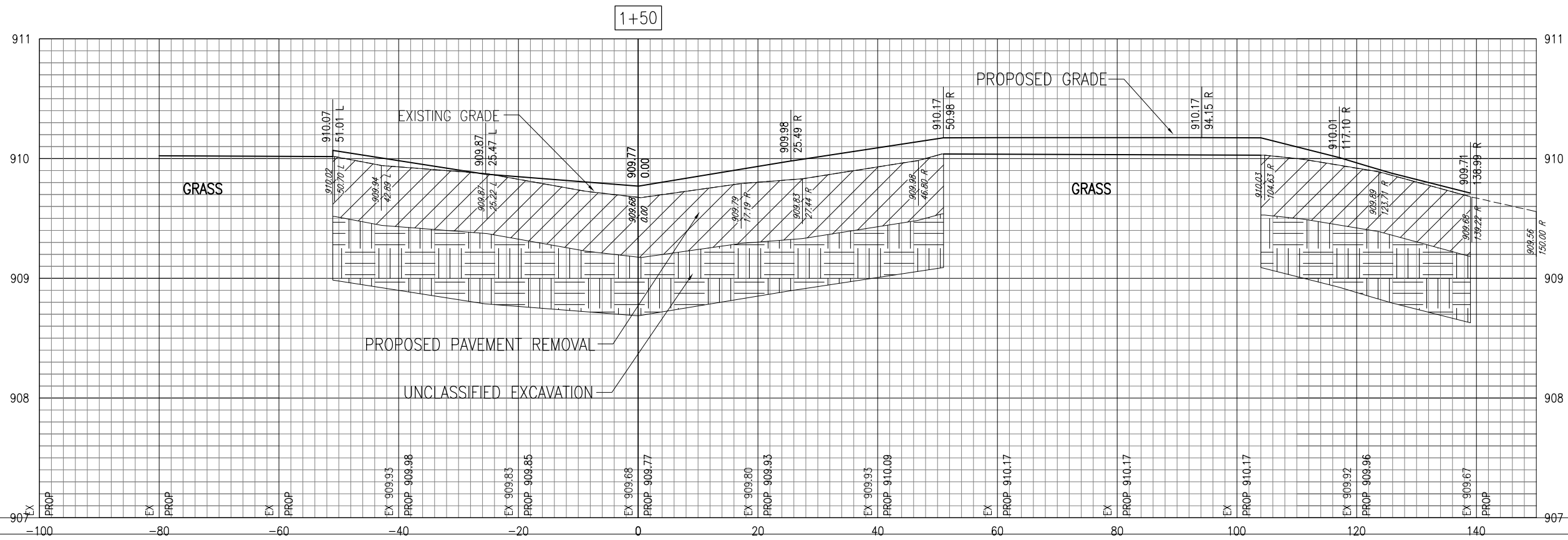
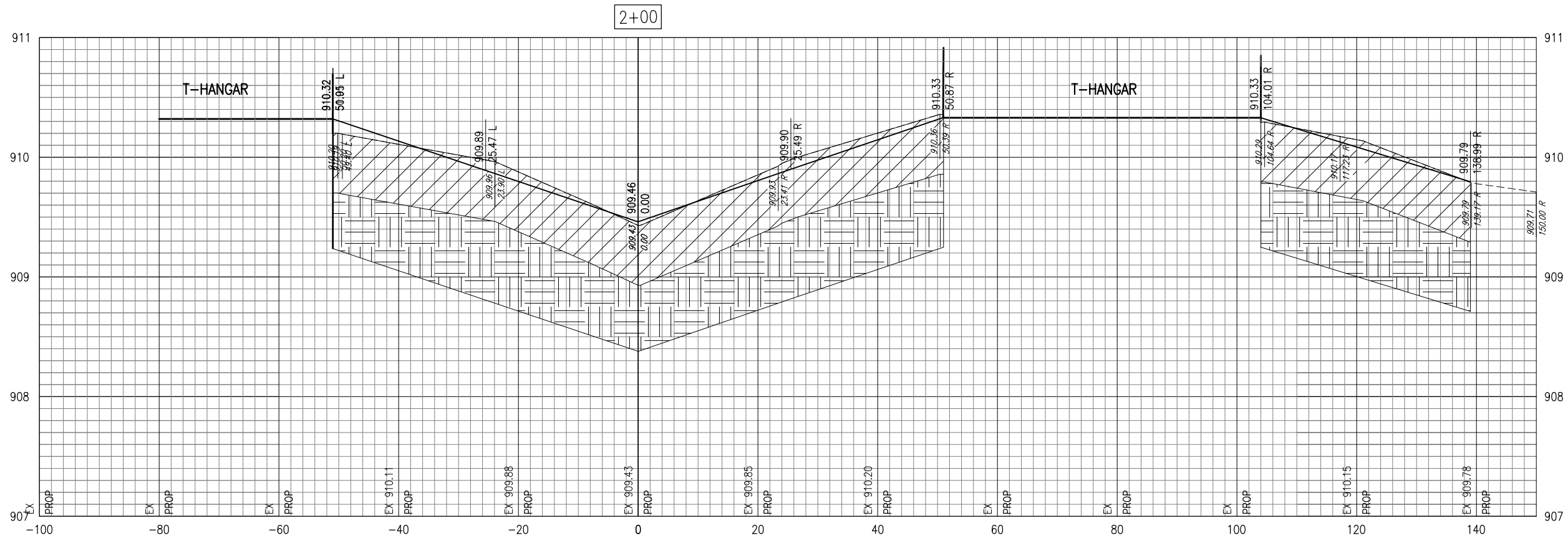
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Contract No. DK055


NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: FEBRUARY 28, 2014  
PROJECT NO: 13A0060D  
CAD FILE: C-301-XS.DWG  
LAYOUT BY: BAK 12/17/13  
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**CROSS-SECTIONS  
FOR T-HANGAR  
PAVEMENT STA. 1+00  
TO STA. 1+30**



**REHABILITATE  
BITUMINOUS  
T-HANGAR  
PAVEMENT**

IDA No: DKB-4307

Contract No. DK055

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: FEBRUARY 28, 2014

PROJECT NO: 13A0060D

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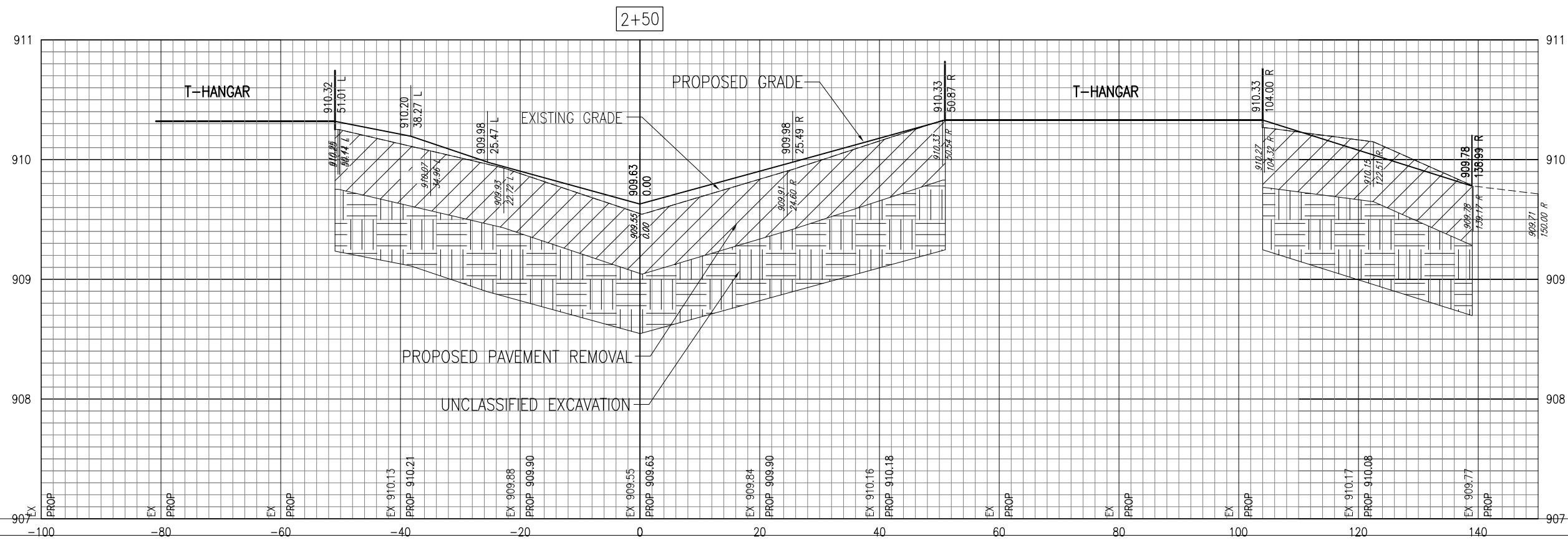
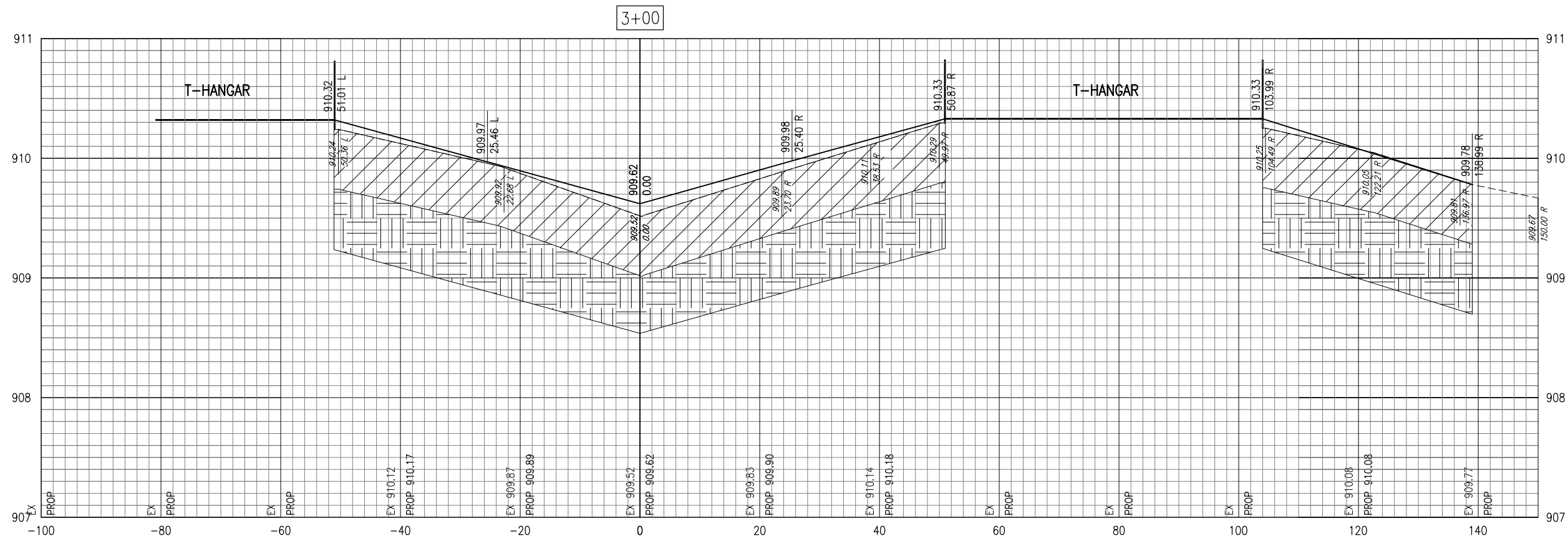
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**CROSS-SECTIONS  
FOR T-HANGAR  
PAVEMENT STA. 1+50  
TO STA. 2+00**



REHABILITATE  
BITUMINOUS  
T-HANGAR  
PAVEMENT

IDA No: DKB-4307

Contract No. DK055

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: FEBRUARY 28, 2014

PROJECT NO: 13A0060D

CAD FILE: C-301-XS.DWG

LAYOUT BY: BAK 12/17/13

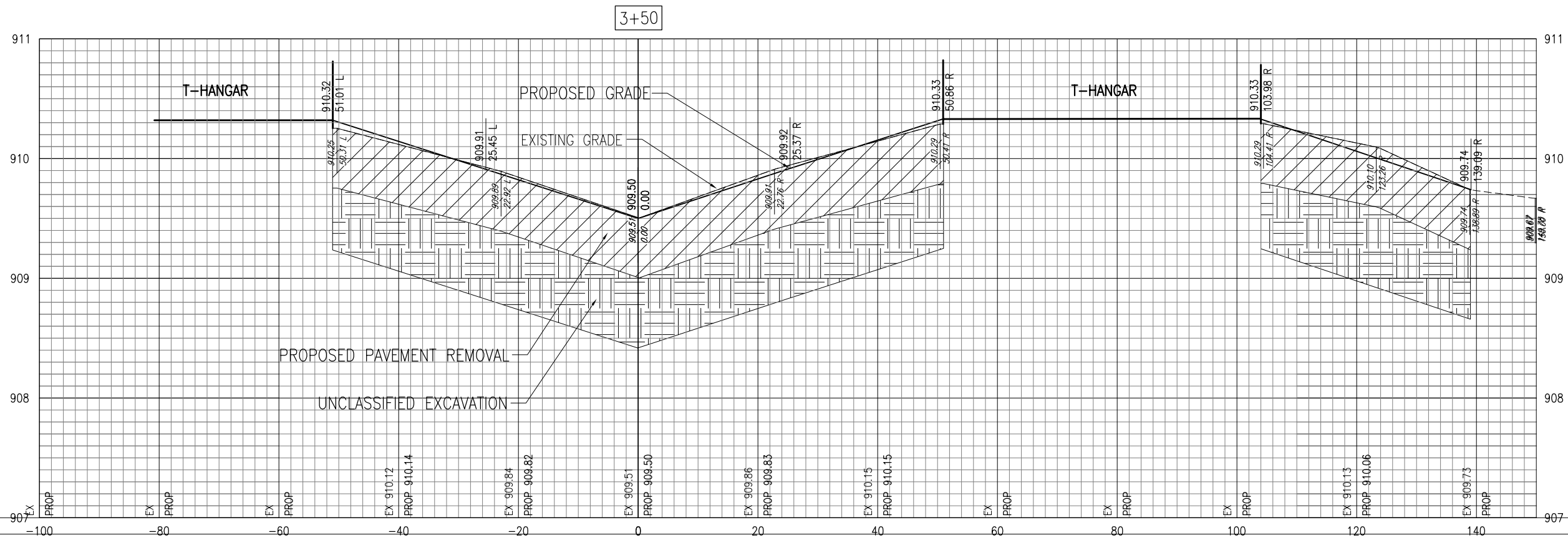
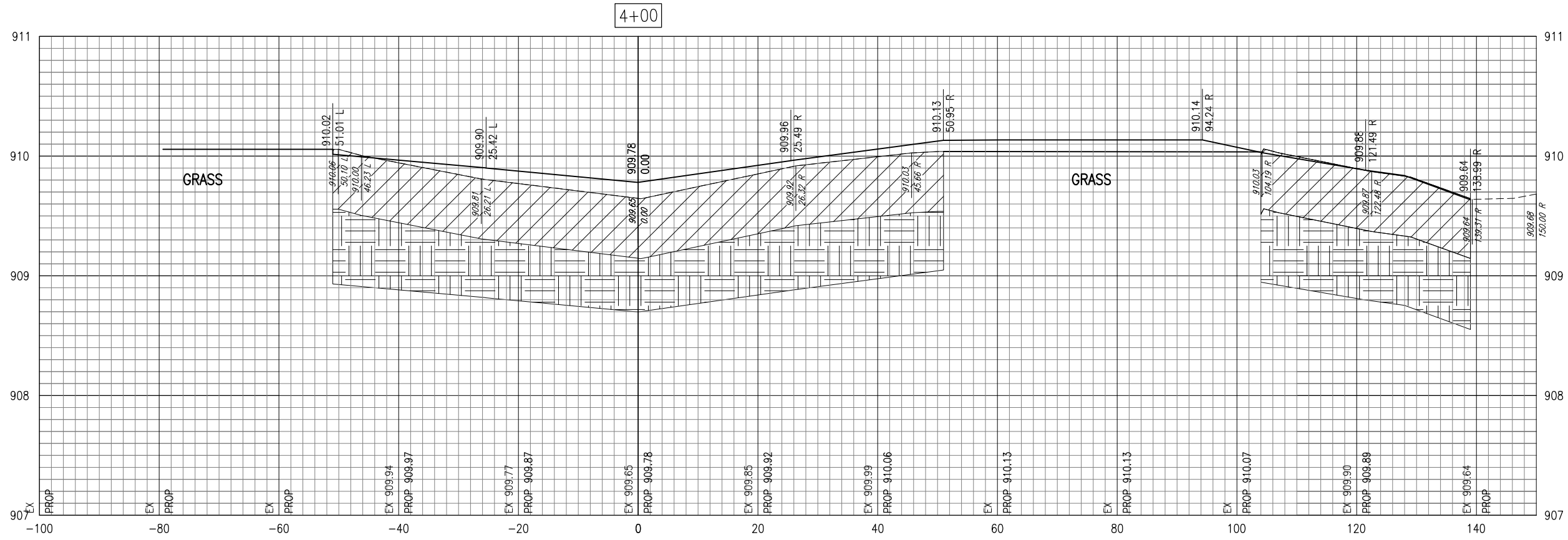
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CROSS-SECTIONS  
FOR T-HANGAR  
PAVEMENT STA. 2+50  
TO STA. 3+00



REHABILITATE  
BITUMINOUS  
T-HANGAR  
PAVEMENT

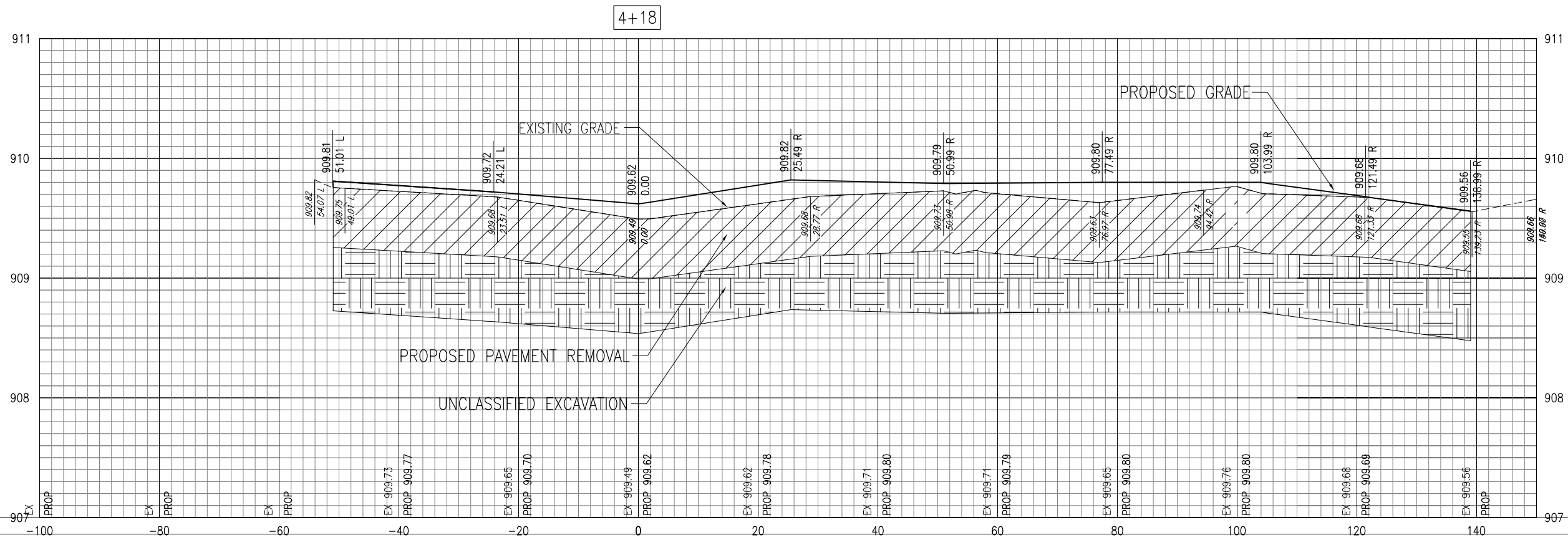
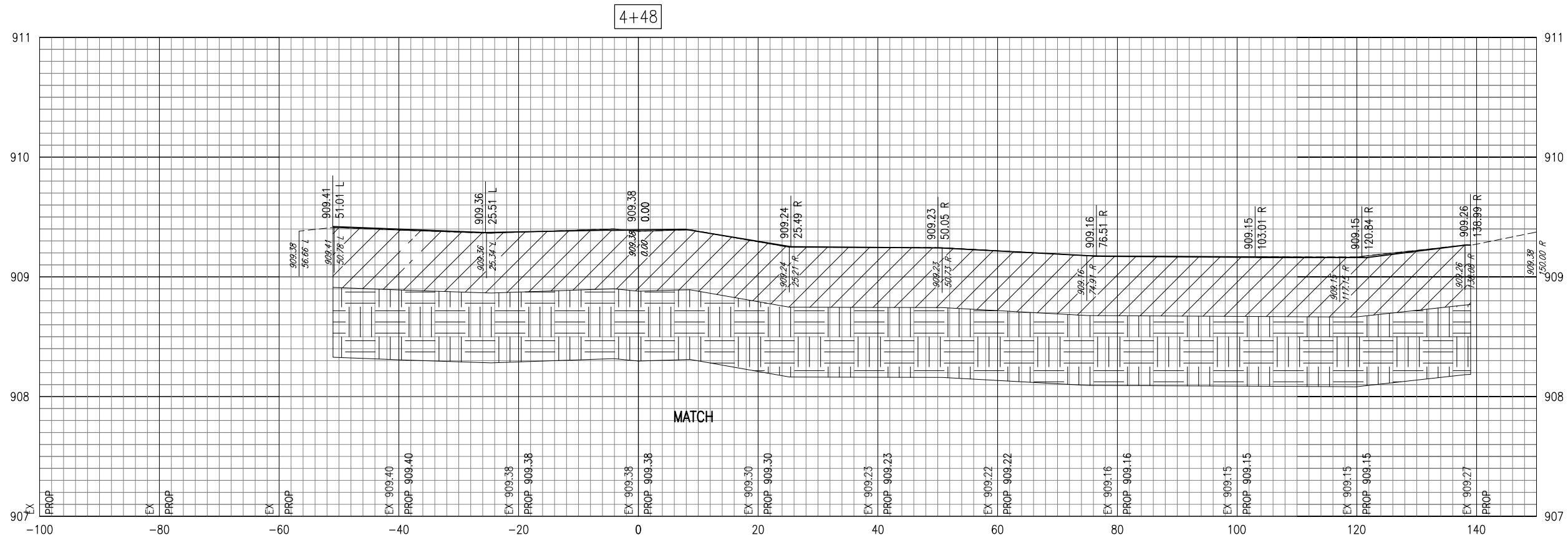
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ISSUE: FEBRUARY 28, 2014  
PROJECT NO: 13A0060D  
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CROSS-SECTIONS  
FOR T-HANGAR  
PAVEMENT STA. 3+50  
TO STA. 4+00



**REHABILITATE  
BITUMINOUS  
T-HANGAR  
PAVEMENT**

IDA No: DKB-4307

Contract No. DK055

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		LAY	DWN	REV

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PROJECT NO: 13A0060D

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**CROSS-SECTIONS  
FOR T-HANGAR  
PAVEMENT STA. 4+21  
TO STA. 4+49**