

# WAUKESHA COUNTY AIRPORT

WAUKESHA, WISCONSIN

A.I.P. NO. 3-55-0090-22

CONTRACT 1

## AIRPORT IMPROVEMENTS

AIRPORT TYPE: BASIC TRANSPORT

DESCRIPTION: RUNWAY 18/36 RECONSTRUCTION

CONSTRUCT PERIMETER ACCESS ROAD (BASE BID)

EXPAND TERMINAL PARKING LOT

S.E. HANGAR EARTHWORK AND DRAINAGE (ALTERNATE NO. 1)

S.E. HANGAR PAVING AND UTILITIES (ALTERNATE NO. 2)

~~STABILIZE RECYCLED PAVEMENT WITH SELF-CEMENTING CLASS C FLY ASH (ALTERNATE NO. 3)~~  
NOT AWARDED

~~REGRADE RECYCLED PAVEMENT AND INSTALL GEOTEXTILE FABRIC, TYPE SR (ALTERNATE NO. 4)~~  
REMOVED CHANGE ORDER No. 1

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#### CHANGE ORDER #1

a) CHANGED ALTERNATE 4 BACK TO ALTERNATE 3

#### CHANGE ORDER #2

a) PAID CONTRACTOR FOR WATER UTILITY PREPAYMENT

#### CHANGE ORDER #3

a) CHANGED RWY LIGHTS FROM STAKE MOUNTED TO BASE MOUNTED

b) COST FOR NIGHT WORK

c) PATCH PAVING FOR STORM SEWER CROSSING

d) UNDERCUT UNDER STORM SEWER

e) TEMPORARY PIPE FOR DRAINAGE

f) WATER SERVICE FOR REPAIR

#### CHANGE ORDER #4

a) HALF APPLICATION OF PAINT IN FALL

b) FULL APPLICATION OF PAINT IN SPRING

c) ELECTRICAL REPAIRS

d) ADDITIONAL NIGHT WORK & TRAFFIC CONTROL COST

e) WINTER DRAINAGE FOR TAXILANES

f) REPAIR EXISTING VALVE BOX

g) GEOTEXTILE FABRIC UNDER TAXIWAY E

#### CHANGE ORDER #5

a) INSTALL NEW WINDCONE & REMOVE OLD

b) INSTALL NEW ANEMOMETER & REMOVE OLD

c) INSTALL UNDERDRAIN NEXT TO EXISTING PARKING LOT

d) REPAIR RUTS FROM SNOW PLOWS

e) REPAIR CURB @ INLETS

f) INSTALL TEMPORARY GRAVEL ACCESS ROAD

#### CHANGE ORDER #6

a) INSTALL HANGAR ACCESS ROAD

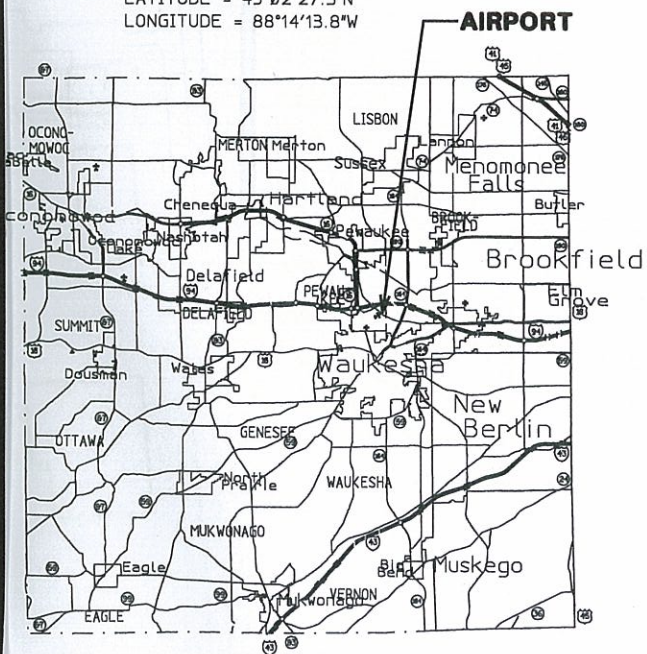
b) INSTALL WATER MAIN

c) INSTALL SANITARY SEWER

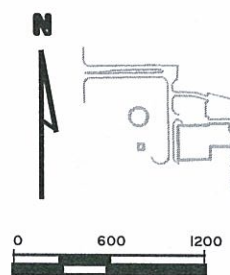
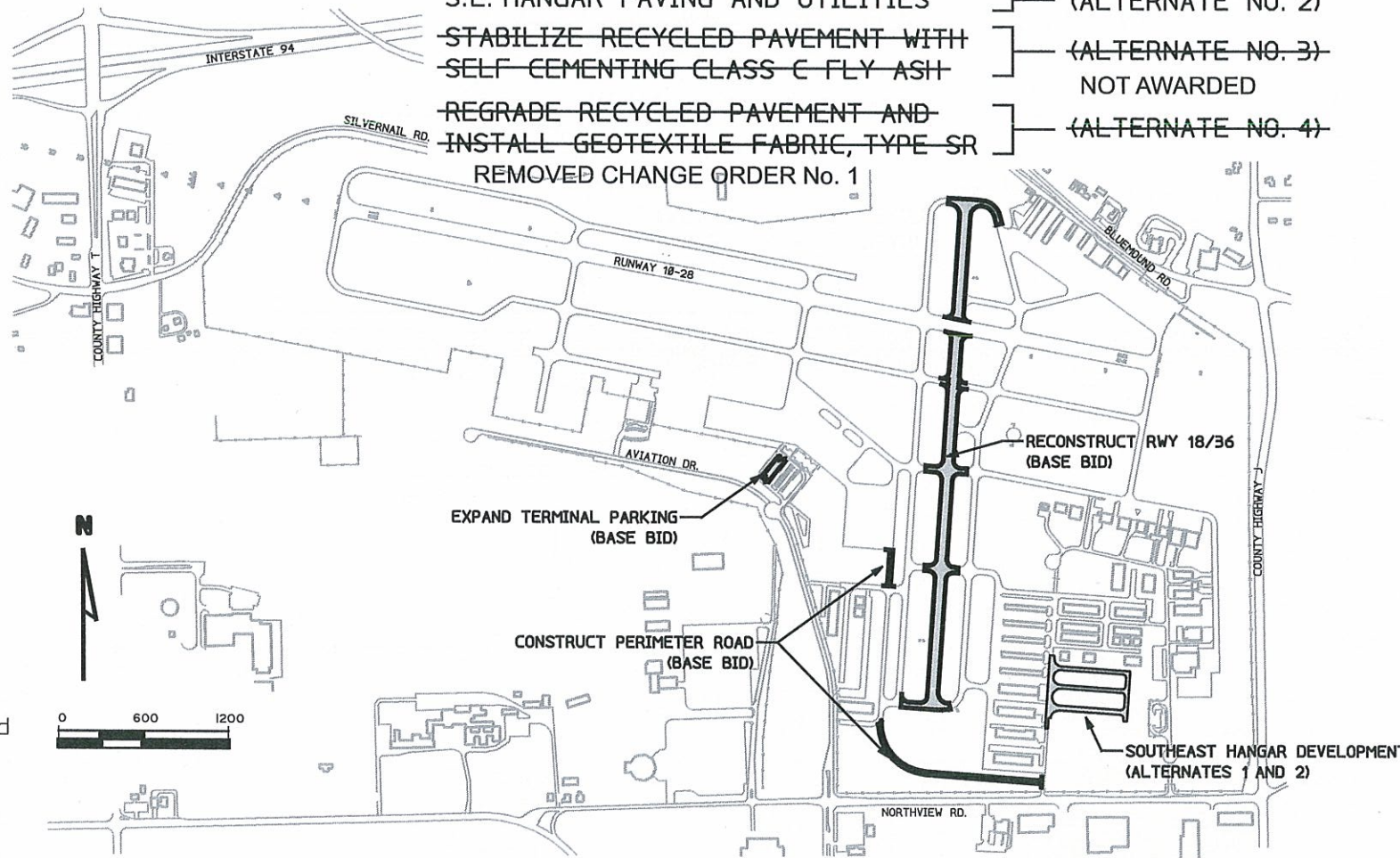


#### LOCATION MAP

AIRPORT ELEVATION = 981' (M.S.L. DATUM)  
LATITUDE = 43°02'27.5"N  
LONGITUDE = 88°14'13.8"W



#### WAUKESHA COUNTY



| CONSTRUCTION DATA   |  |
|---|--|
| PRIME CONTRACTOR  | SUPER EXCAVATORS   |
| MAJOR SUBCONTRACTORS AND/OR SUPPLIERS                                 | PAYNE & DOLAN, TRI-STATE TRAFFIC<br>VISU-SEWER, ARROW-CRETE<br>OUTDOOR LIGHTING, CROWLEY<br>SUPER WESTERN, SPRING CITY |
| WORK: COMMENCED 4/27/06 COMPLETED 12/1/06<br>C.O. WORK COMPLETED 6/08 |  |
| PROJECT ENGINEER  | MARCUS J KUHN<br>MEAD & HUNT, INC.   |

|  |                                       |
|--|---------------------------------------|
| WISCONSIN DEPARTMENT OF TRANSPORTATION BUREAU OF AERONAUTICS | MEAD & HUNT, INC. Madison, Wisconsin  |
| DESIGN PHASE APPROVED BY: Thomas A. DeWitte                  | SUBMITTED BY: [Signature]             |
| DATE: 4-13-06  | DATE: 4-17-06                         |
| APPROVED BY: [Signature]                                     | RECOMMENDED FOR APPROVAL: [Signature] |
| DATE: 4-13-06  | DATE: 4-17-06                         |
| 'AS CONSTRUCTED' DRAWING APPROVED BY: [Signature]            | 'AS CONSTRUCTED' APPROVAL: Mrs. Kuhn  |
| DATE: 6-22-09  | DATE: 6/24/09                         |

|  |                                       |
|--|---------------------------------------|
| WISCONSIN DEPARTMENT OF TRANSPORTATION BUREAU OF AERONAUTICS | MEAD & HUNT, INC. Madison, Wisconsin  |
| DESIGN PHASE APPROVED BY: Thomas A. DeWitte                  | SUBMITTED BY: [Signature]             |
| DATE: 4-13-06  | DATE: 4-17-06                         |
| APPROVED BY: [Signature]                                     | RECOMMENDED FOR APPROVAL: [Signature] |
| DATE: 4-13-06  | DATE: 4-17-06                         |
| 'AS CONSTRUCTED' DRAWING APPROVED BY: [Signature]            | 'AS CONSTRUCTED' APPROVAL: Mrs. Kuhn  |
| DATE: 6-22-09  | DATE: 6/24/09                         |

ENGINEERS  
ARCHITECTS  
SCIENTISTS  
PLANNERS

Mead & Hunt, Inc.  
6501 Watts Road, Suite 101  
Madison, Wisconsin 53719-2700  
Phone: 608-273-6380  
Fax: 608-273-6398

|                         |                                 |
|-------------------------|---------------------------------|
| WAUKESHA COUNTY AIRPORT | A.I.P. PROJECT NO. 3-55-0090-22 |
| TITLE SHEET             | JOB NO. 23099-90-05013          |
|                         | SHEET NO. 1 of 130              |

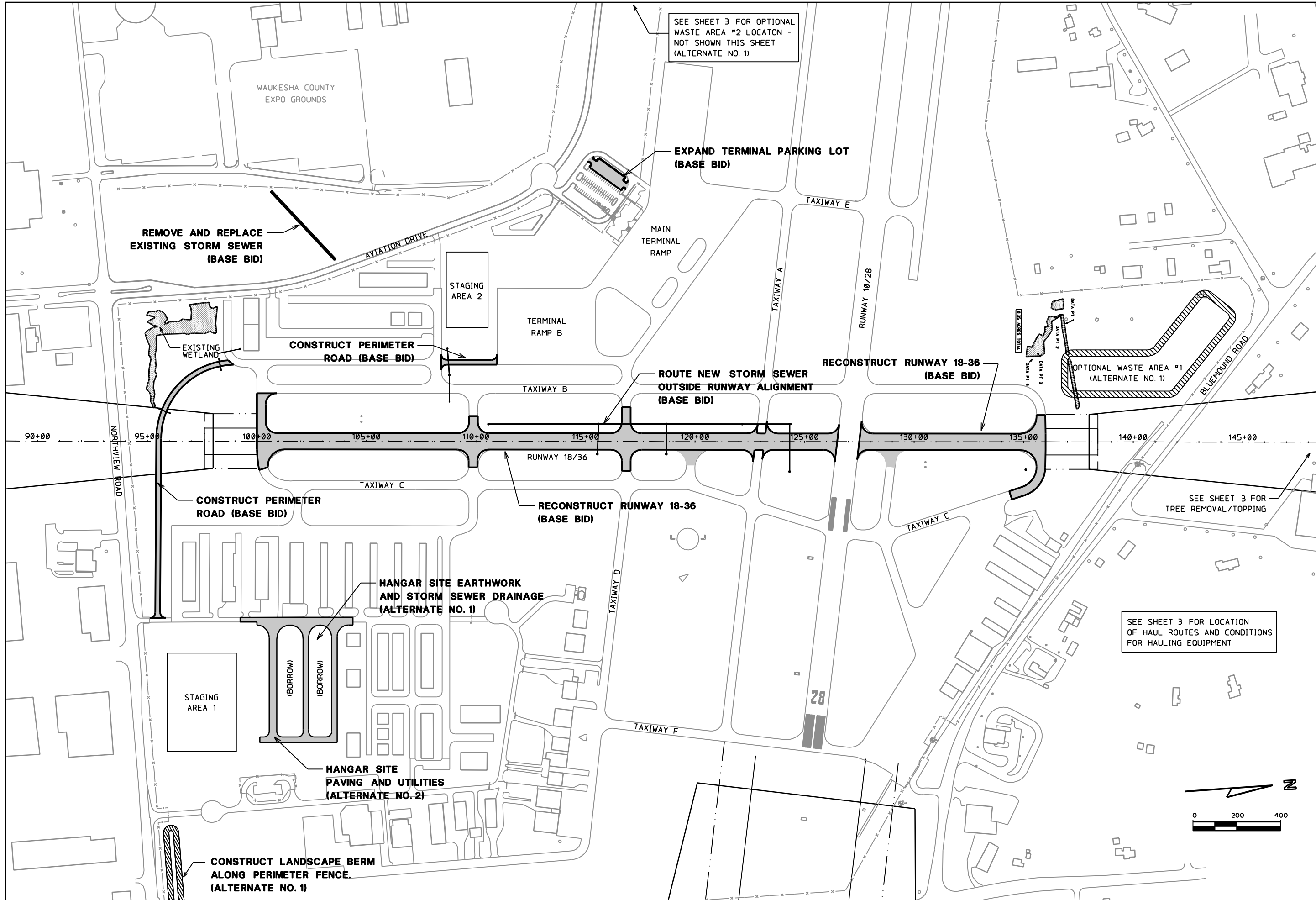
MEAD & HUNT

www.meadhunt.com

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SEE SHEET 3 FOR OPTIONAL WASTE AREA #2 LOCATON - NOT SHOWN THIS SHEET (ALTERNATE NO. 1)

EXPAND TERMINAL PARKING LOT (BASE BID)

REMOVE AND REPLACE EXISTING STORM SEWER (BASE BID)

CONSTRUCT PERIMETER ROAD (BASE BID)

ROUTE NEW STORM SEWER OUTSIDE RUNWAY ALIGNMENT (BASE BID)

RECONSTRUCT RUNWAY 18-36 (BASE BID)

RECONSTRUCT RUNWAY 18-36 (BASE BID)

HANGAR SITE EARTHWORK AND STORM SEWER DRAINAGE (ALTERNATE NO. 1)

HANGAR SITE PAVING AND UTILITIES (ALTERNATE NO. 2)

CONSTRUCT LANDSCAPE BERM ALONG PERIMETER FENCE. (ALTERNATE NO. 1)

SEE SHEET 3 FOR LOCATION OF HAUL ROUTES AND CONDITIONS FOR HAULING EQUIPMENT

| NO | DATE   | REVISION       | INITIAL |
|----|--------|----------------|---------|
| 1  | 1/8/09 | RECORD DRAWING | MJK     |

ENGINEERS  
ARCHITECTS  
SCIENTISTS  
PLANNERS

**MEAD HUNT**

Waukesha County Airport

DATE 1/9/2009

DESIGNED GAS  
DRAWN PCP  
CHECKED AJP

Waukesha County Airport

**CONSTRUCTION SITE PLAN**

A.I.P. PROJECT NO  
3-55-0090-22

JOB NO  
23099-90-05013

DWG NO  
9005013102.dgn

SHEET NO  
2 of 130

**KEY CONSTRUCTION POINT COORDINATES**

(STATE PLANE - NAD 83)

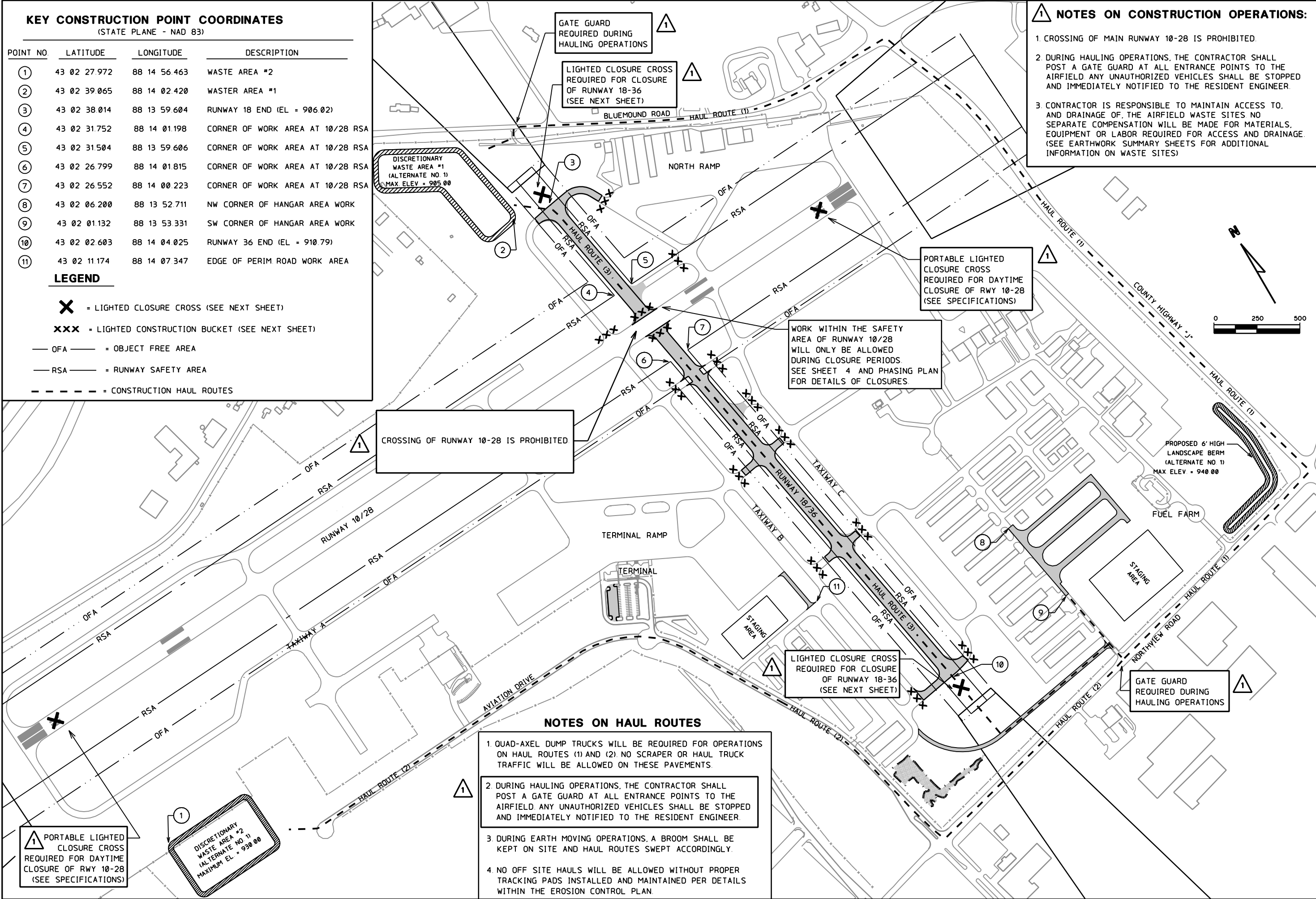
| POINT NO | LATITUDE     | LONGITUDE    | DESCRIPTION                      |
|----------|--------------|--------------|----------------------------------|
| ①        | 43 02 27.972 | 88 14 56.463 | WASTE AREA #2                    |
| ②        | 43 02 39.065 | 88 14 02.420 | WASTER AREA #1                   |
| ③        | 43 02 38.014 | 88 13 59.604 | RUNWAY 18 END (EL = 906.02)      |
| ④        | 43 02 31.752 | 88 14 01.198 | CORNER OF WORK AREA AT 10/28 RSA |
| ⑤        | 43 02 31.504 | 88 13 59.606 | CORNER OF WORK AREA AT 10/28 RSA |
| ⑥        | 43 02 26.799 | 88 14 01.815 | CORNER OF WORK AREA AT 10/28 RSA |
| ⑦        | 43 02 26.552 | 88 14 00.223 | CORNER OF WORK AREA AT 10/28 RSA |
| ⑧        | 43 02 06.200 | 88 13 52.711 | NW CORNER OF HANGAR AREA WORK    |
| ⑨        | 43 02 01.132 | 88 13 53.331 | SW CORNER OF HANGAR AREA WORK    |
| ⑩        | 43 02 02.603 | 88 14 04.025 | RUNWAY 36 END (EL = 910.79)      |
| ⑪        | 43 02 11.174 | 88 14 07.347 | EDGE OF PERIM ROAD WORK AREA     |

**LEGEND**

- X** = LIGHTED CLOSURE CROSS (SEE NEXT SHEET)
- XXX** = LIGHTED CONSTRUCTION BUCKET (SEE NEXT SHEET)
- OFA — = OBJECT FREE AREA
- RSA — = RUNWAY SAFETY AREA
- - - - = CONSTRUCTION HAUL ROUTES

**NOTES ON CONSTRUCTION OPERATIONS:**

- CROSSING OF MAIN RUNWAY 10-28 IS PROHIBITED.
- DURING HAULING OPERATIONS, THE CONTRACTOR SHALL POST A GATE GUARD AT ALL ENTRANCE POINTS TO THE AIRFIELD ANY UNAUTHORIZED VEHICLES SHALL BE STOPPED AND IMMEDIATELY NOTIFIED TO THE RESIDENT ENGINEER.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN ACCESS TO, AND DRAINAGE OF, THE AIRFIELD WASTE SITES NO SEPARATE COMPENSATION WILL BE MADE FOR MATERIALS, EQUIPMENT OR LABOR REQUIRED FOR ACCESS AND DRAINAGE (SEE EARTHWORK SUMMARY SHEETS FOR ADDITIONAL INFORMATION ON WASTE SITES)



CROSSING OF RUNWAY 10-28 IS PROHIBITED

WORK WITHIN THE SAFETY AREA OF RUNWAY 10/28 WILL ONLY BE ALLOWED DURING CLOSURE PERIODS. SEE SHEET 4 AND PHASING PLAN FOR DETAILS OF CLOSURES.

- NOTES ON HAUL ROUTES**
- QUAD-AXEL DUMP TRUCKS WILL BE REQUIRED FOR OPERATIONS ON HAUL ROUTES (1) AND (2). NO SCRAPER OR HAUL TRUCK TRAFFIC WILL BE ALLOWED ON THESE PAVEMENTS.
  - DURING HAULING OPERATIONS, THE CONTRACTOR SHALL POST A GATE GUARD AT ALL ENTRANCE POINTS TO THE AIRFIELD ANY UNAUTHORIZED VEHICLES SHALL BE STOPPED AND IMMEDIATELY NOTIFIED TO THE RESIDENT ENGINEER.
  - DURING EARTH MOVING OPERATIONS, A BROOM SHALL BE KEPT ON SITE AND HAUL ROUTES SWEEPED ACCORDINGLY.
  - NO OFF SITE HAULS WILL BE ALLOWED WITHOUT PROPER TRACKING PADS INSTALLED AND MAINTAINED PER DETAILS WITHIN THE EROSION CONTROL PLAN.

PORTABLE LIGHTED CLOSURE CROSS REQUIRED FOR DAYTIME CLOSURE OF RWY 10-28 (SEE SPECIFICATIONS)

DISCRETIONARY WASTE AREA #2 (ALTERNATE NO 1) MAXIMUM EL = 930.00

|  |             |                |
|--|-------------|----------------|
| INITIAL                                  | GAS         | PJK            |
| REVISION                                 | ADDDUM NO 1 | RECORD DRAWING |
| DATE                                     | 4-27-06     | 1/8/09         |
| NO                                       |             |                |
| ENGINEERS ARCHITECTS SCIENTISTS PLANNERS |             |                |
| MEAD HUNT                                |             |                |
| WAUKESHA COUNTY AIRPORT                  |             |                |
| DATE                                     | DESIGNED    | CHECKED        |
| 1/9/2009                                 | GAS         | PCP            |
|  | DRAWN       | AJP            |
| CONSTRUCTION OPERATIONS PLAN             |             |                |
| A I P PROJECT NO                         |             |                |
| 3-55-0090-22                             |             |                |
| JOB NO                                   |             |                |
| 23099-90-05013                           |             |                |
| DWG NO                                   |             |                |
| 9005013104.dgn                           |             |                |
| SHEET NO                                 |             |                |
| 3 of 130                                 |             |                |

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Project: 23099-90-04004 Land Desktop Horizontal Alignment PI Station Report.  
Alignment: TAXILANE A  
Desc:

| PI Station | Northing    | Easting      | Distance | Direction    |
|------------|-------------|--------------|----------|--------------|
| 99+04.43   | 382181.4815 | 2441247.3362 | 795.7054 | S 86-03-36 E |
| 107+00.14  | 382126.8061 | 2442041.1609 |          |              |

Project: 23099-90-04004 Land Desktop Horizontal Alignment PI Station Report.  
Alignment: TAXILANE B  
Desc:

| PI Station | Northing    | Easting      | Distance | Direction    |
|------------|-------------|--------------|----------|--------------|
| 99+04.41   | 382051.7888 | 2441238.4035 | 795.7054 | S 86-03-36 E |
| 107+00.12  | 381997.1134 | 2442032.2282 |          |              |

Project: 23099-90-04004 Land Desktop Horizontal Alignment PI Station Report.  
Alignment: TAXILANE C  
Desc:

| PI Station | Northing    | Easting      | Distance | Direction    |
|------------|-------------|--------------|----------|--------------|
| 99+04.38   | 381902.1433 | 2441228.0965 | 795.7054 | S 86-03-36 E |
| 107+00.09  | 381847.4679 | 2442021.9212 |          |              |

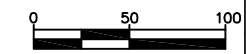
Project: 23099-90-04004 Land Desktop Horizontal Alignment PI Station Report.  
Alignment: PHASE 1 TXY E  
Desc:

| PI Station | Northing    | Easting      | Distance | Direction    |
|------------|-------------|--------------|----------|--------------|
| 47+00      | 382473.7494 | 2441369.7898 | 730.0762 | S 03-56-00 W |
| 54+30.08   | 381745.3927 | 2441319.7113 |          |              |

Project: 23099-90-04004 Land Desktop Horizontal Alignment PI Station Report.  
Alignment: Phase 1 Road W  
Desc:

| PI Station | Northing    | Easting      | Distance | Direction    |
|------------|-------------|--------------|----------|--------------|
| 49+00      | 382237.0631 | 2441895.7434 | 575.0000 | S 03-55-55 W |
| 54+75      | 381663.4165 | 2441856.3150 |          |              |

| POINT | STATION  | OFFSET | ALIGNMENT      | RADIUS |
|-------|----------|--------|----------------|--------|
| A     | 49+14.9  | L17.5' | PHASE 1 TXY E  | 25'    |
| B     | 100+76.5 | L65'   | TAXILANE A     | 52.5'  |
| C     | 100+76.5 | R65'   | TAXILANE A     | 52.5'  |
| D     | 105+10   | R37.5' | TAXILANE A     | 25'    |
| E     | 105+10   | L37.5' | TAXILANE B     | 25'    |
| F     | 105+10   | R37.5' | TAXILANE B     | 25'    |
| G     | 100+84   | R72.5' | TAXILANE B     | 60'    |
| H     | 105+10   | L42.5' | TAXILANE C     | 25'    |
| I     | 100+81   | R75'   | TAXILANE C     | 57.5'  |
| J     | 105+10   | R42.5' | TAXILANE C     | 25'    |
| K     | 105+60   | L12.5' | TAXILANE A     | -      |
| L     | 53+40    | L12.5' | PHASE 1 ROAD W | -      |
| M     | 54+30    | L3.1'  | PHASE 1 TXY E  | -      |
| N     |          |        |                |        |
| O     |          |        |                |        |
| P     |          |        |                |        |



|          |          |
|----------|----------|
| INITIAL  | MJK      |
| REVISION | AS BUILT |
| NO.      | DATE     |
| 1        | 12/08    |

MEAD HUNT

WAUKESHA COUNTY AIRPORT

DATE \$DATE\$

DESIGNED MJK  
DRAWN MJK  
CHECKED GAS

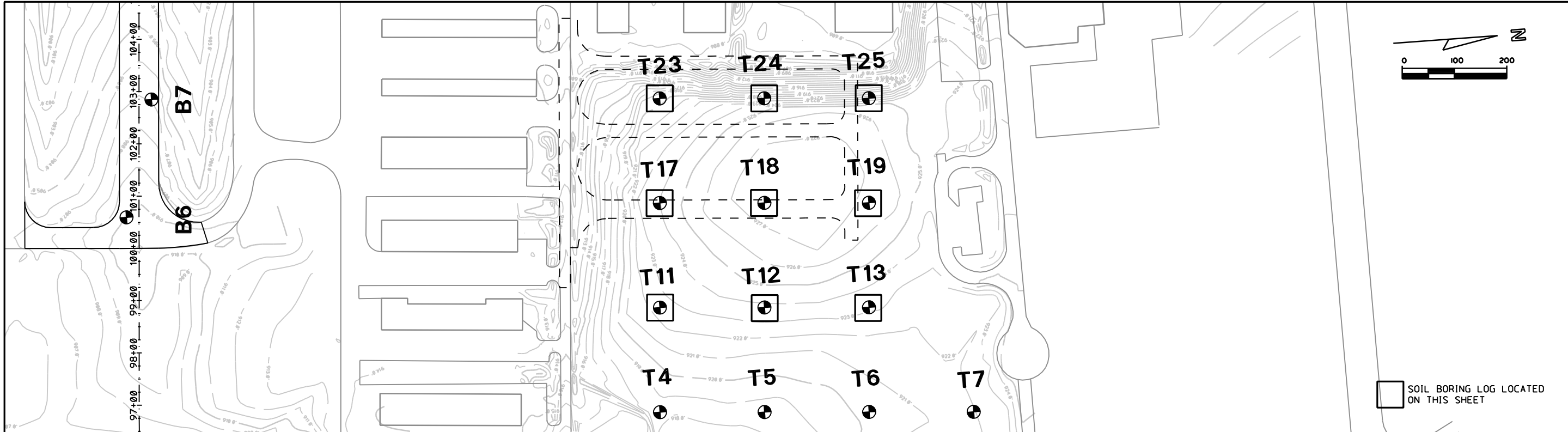
WAUKESHA COUNTY AIRPORT  
HANGAR AREA  
PROJECT LAYOUT  
ALTERNATE NO. 1 AND NO. 2

A.I.P. PROJECT NO.  
3-55-0090-22

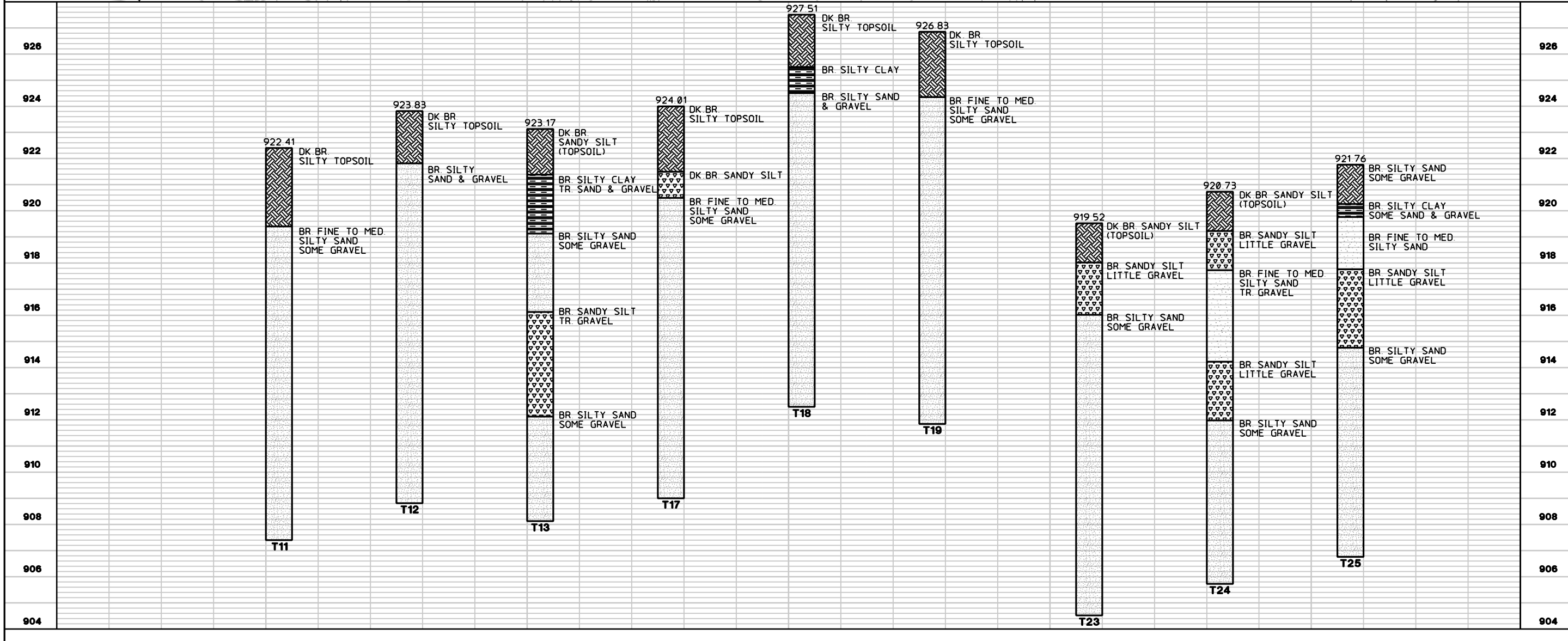
JOB NO.  
23099-90-04004

DWG NO.  
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SHEET NO.  
9 of 130

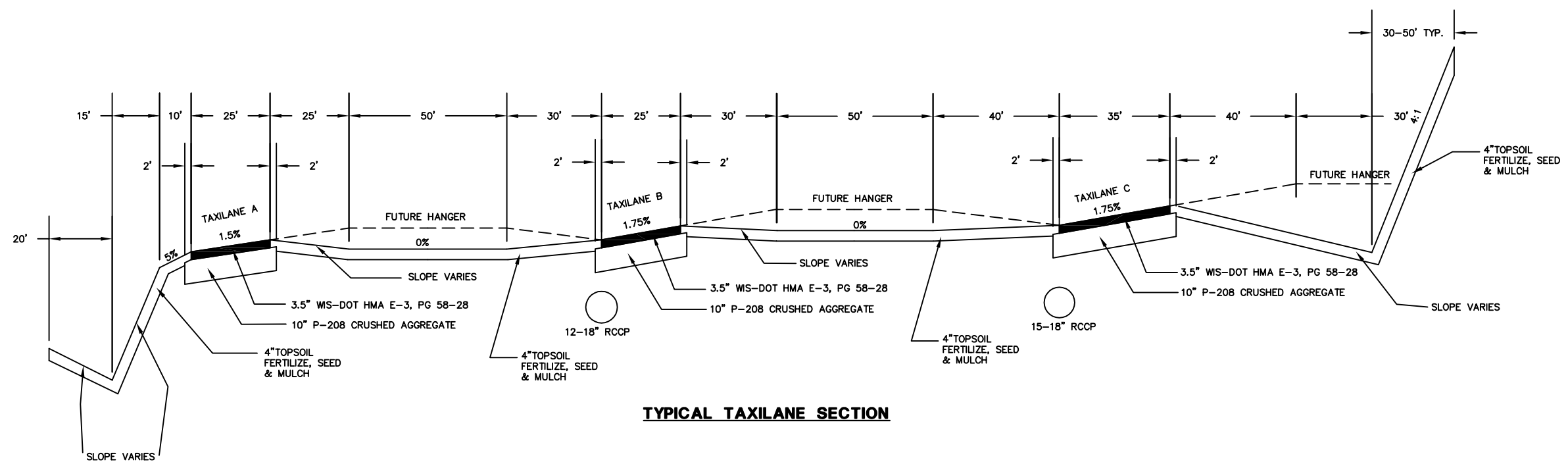


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|---|--------|----------------|---------|
| NO  | DATE   | REVISION       | INITIAL |
| 1   | 1/8/09 | RECORD DRAWING | MJK     |
| ENGINEERS<br>ARCHITECTS<br>SCIENTISTS<br>PLANNERS |        |                |         |
|   |        |                |         |

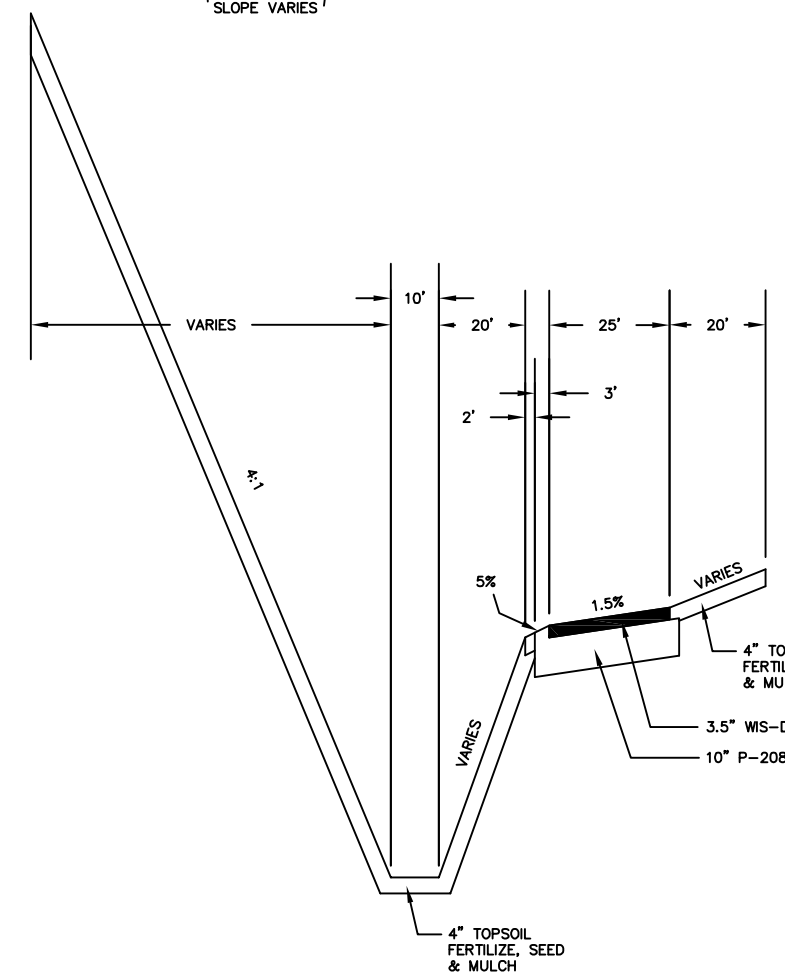


|  |                |       |         |
|--|----------------|-------|---------|
| DATE   | DESIGNED       | DRAWN | CHECKED |
| 1/9/2009   | GAS            | PCP   | AJP     |
| WAUKESHA COUNTY AIRPORT<br><b>PLAN &amp; LOG OF SOIL BORINGS</b> |                |       |         |
| A.I.P. PROJECT NO  | 3-55-0090-22   |       |         |
| JOB NO   | 23099-90-05013 |       |         |
| DWG NO   | 9005013203.dgn |       |         |
| SHEET NO   | 16 of 130      |       |         |

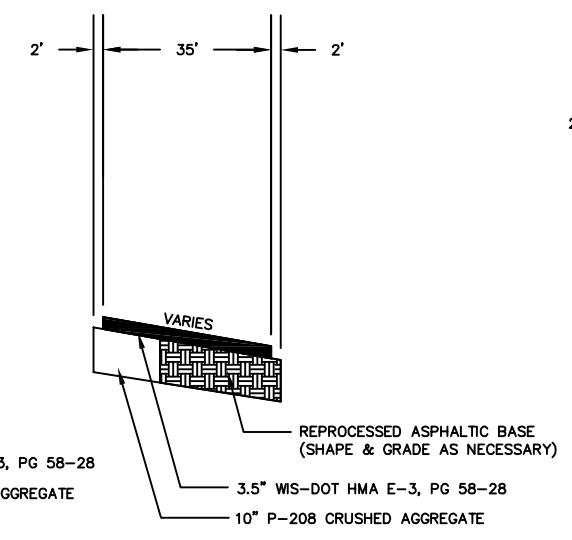
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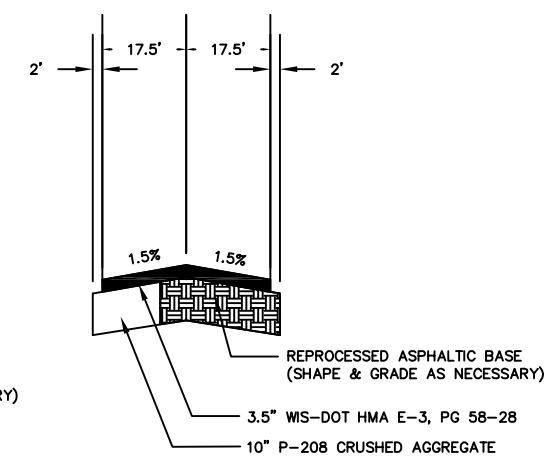
**TYPICAL TAXILANE SECTION**



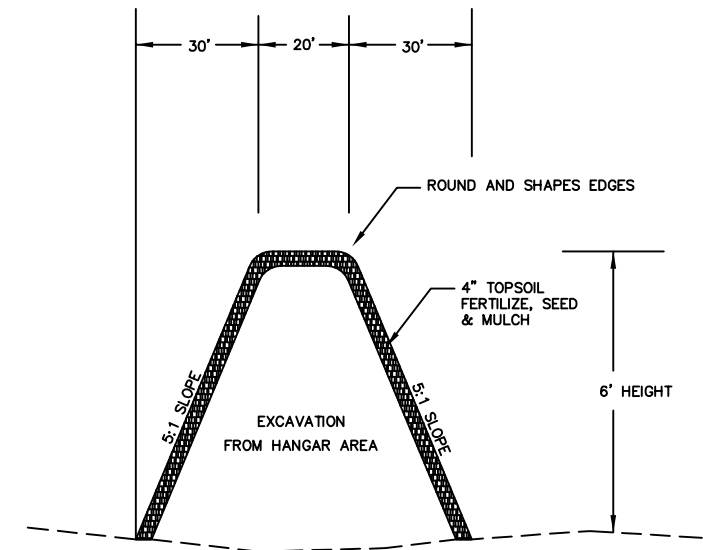
**TYPICAL ROADWAY W SECTION**



**TYPICAL TAXIWAY E SECTION  
STA 49+50 TO 52+50**



**TYPICAL TAXIWAY E SECTION  
STA 52+50 TO 53+50**



**TYPICAL LANDSCAPE  
BERM DETAIL**

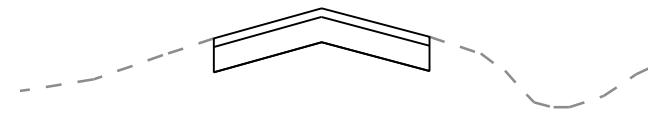
|                                    |   |
|------------------------------------|---|
| INITIAL                            |   |
| REVISION                           |   |
| NO.                                |   |
| DATE                               |   |
|                                    |   |
|                                    |   |
| DATE: 01/13/06                     | DESIGNED: MJK<br>DRAWN: MJK<br>CHECKED: GAS |
| <b>TYPICAL SECTIONS</b>            |   |
| A.I.P. PROJECT NO.<br>3-55-0090-22 |   |
| JOB NO.<br>23099-90-04004          |   |
| DWG NO.<br>9004004104.dwg          |   |
| SHEET NO.<br>18 of 130             |   |

**NOTE:**

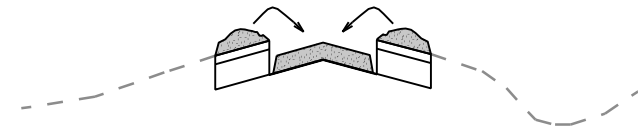
THE DISCRETIONARY CONSTRUCTION SEQUENCE IS INCLUDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGN AND EXECUTION OF THE CONSTRUCTION SEQUENCE AND CONSTRUCTION SAFETY.

DISCRETIONARY CONSTRUCTION SEQUENCE PROVIDED WITHIN THESE PLANS IS CONCEPTUAL IN NATURE AND AT THE CONTRACTOR'S OPTION. DESCRIPTIONS AND GRAPHICS REPRESENTING DISCRETIONARY OPERATIONS DO NOT ADDRESS ALL CONTRACT REQUIREMENTS AND SHALL NOT BE CONSTRUED TO LIMIT THE CONTRACTOR'S RESPONSIBILITIES. NO REPRESENTATION, WARRANTY, OR GUARANTEE IS MADE THAT THE DISCRETIONARY CONSTRUCTION SEQUENCE PRESENTED WITHIN THESE PLANS IS COMPREHENSIVE.

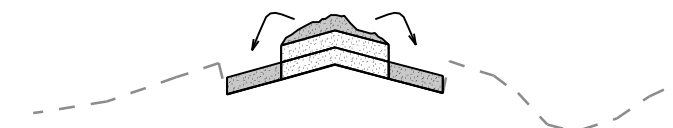
SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS



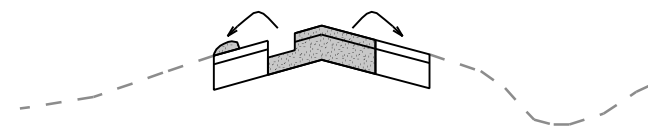
1. EXISTING PAVEMENT SECTION



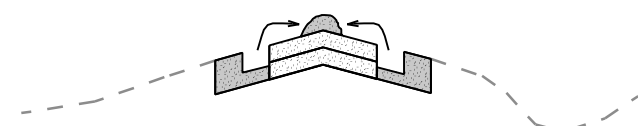
4. REPLACE PULVERIZED PAVEMENT SECTION IN 6" COMPACTED LIFTS. ALLOW 3 FT. OF FABRIC SECTION TO REMAIN EXPOSED FOR OVERLAP.



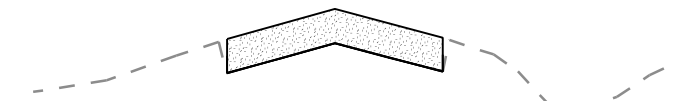
7. REPLACE PULVERIZED PAVEMENT SECTION TO OUTSIDE LANES IN 6" COMPACTED LIFTS



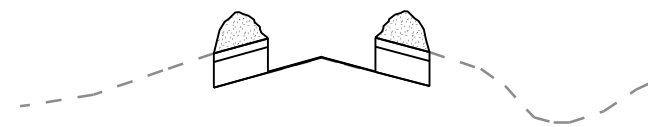
2. PULVERIZE CENTER HALF PAVEMENT AND BELT TO OUTSIDE AREAS TO EXPOSE CENTER SUBGRADE



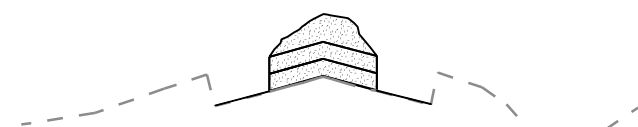
5. PULVERIZE OUTER HALVES OF PAVEMENT AND BELT TO INSIDE LANES TO EXPOSE SUBGRADE



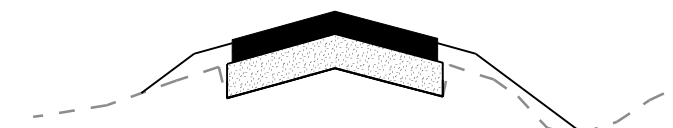
8. FINAL GRADE AND COMPACT PULVERIZED MATERIAL. ADD CRUSHED AGG AS REQUIRED.



3. INSTALL STABILIZATION FABRIC OVER EXPOSED SUBGRADE



6. INSTALL STABILIZATION FABRIC OVER EXPOSED SUBGRADE



9. PAVE BINDER AND SURFACE LIFTS OF ASPHALT AND SHAPE AND FILL EDGE SLOPES TO GRADE

| NO | DATE | REVISION | INITIAL |
|----|------|----------|---------|
|    |      |          |         |
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ENGINEERS  
ARCHITECTS  
SCIENTISTS  
PLANNERS

**MEAD HUNT**

WAUKESHA COUNTY AIRPORT

DATE 1/8/2009  
DESIGNED GAS  
DRAWN PCP  
CHECKED AJP

WAUKESHA COUNTY AIRPORT

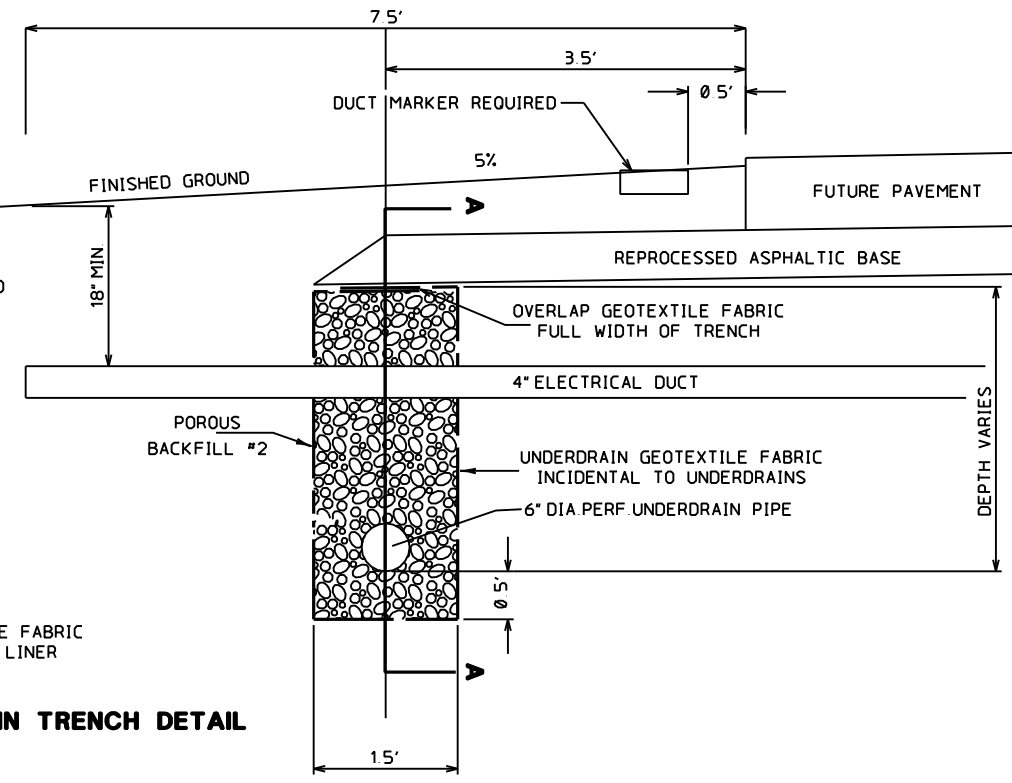
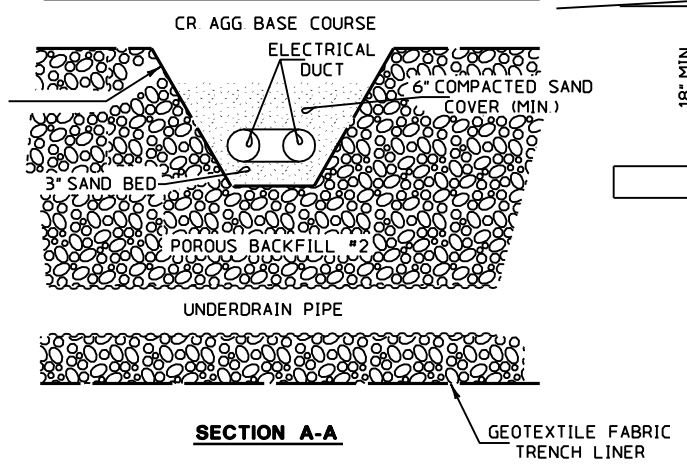
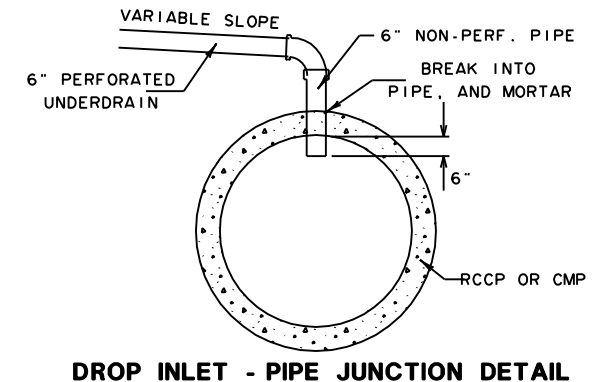
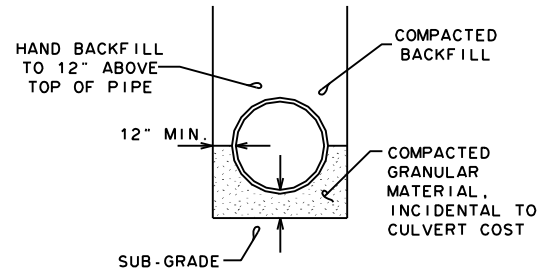
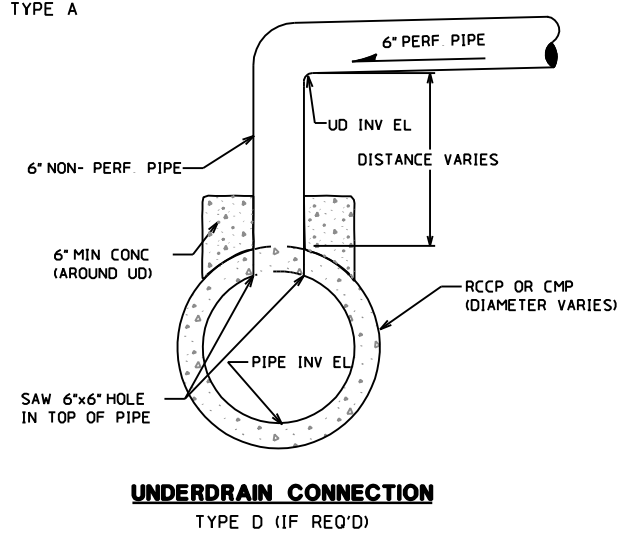
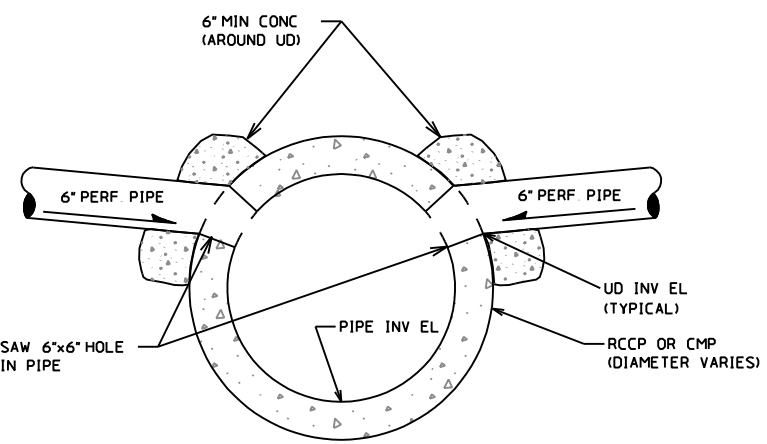
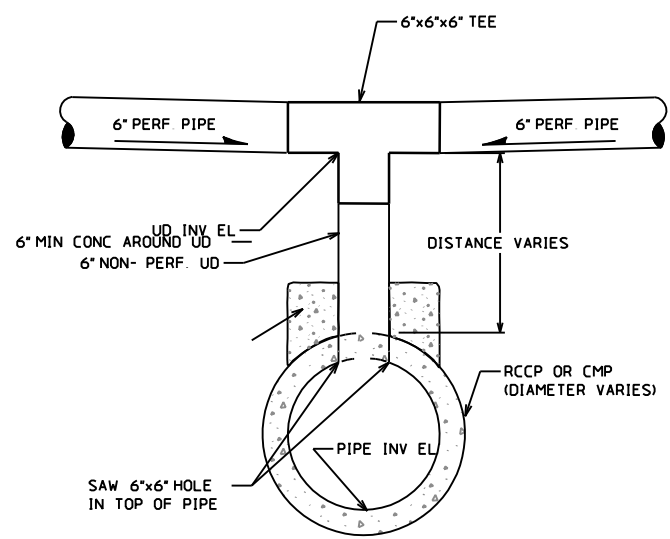
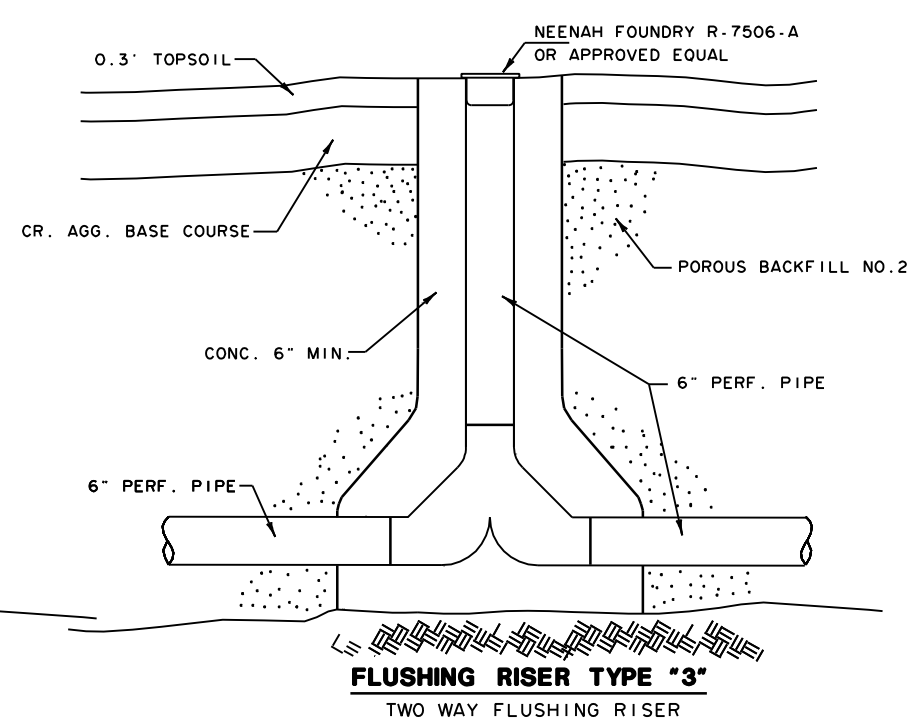
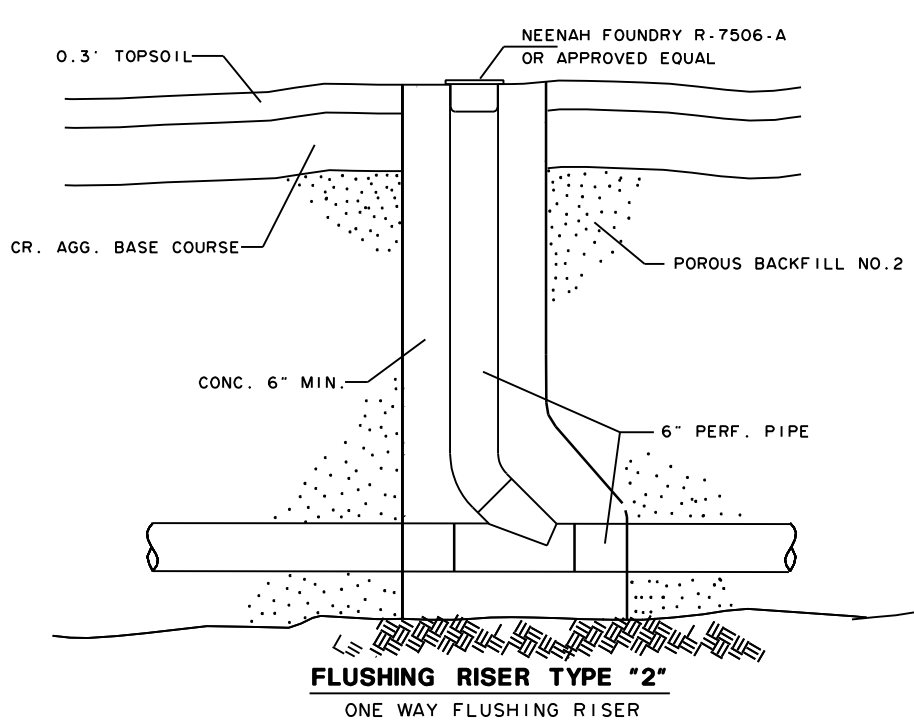
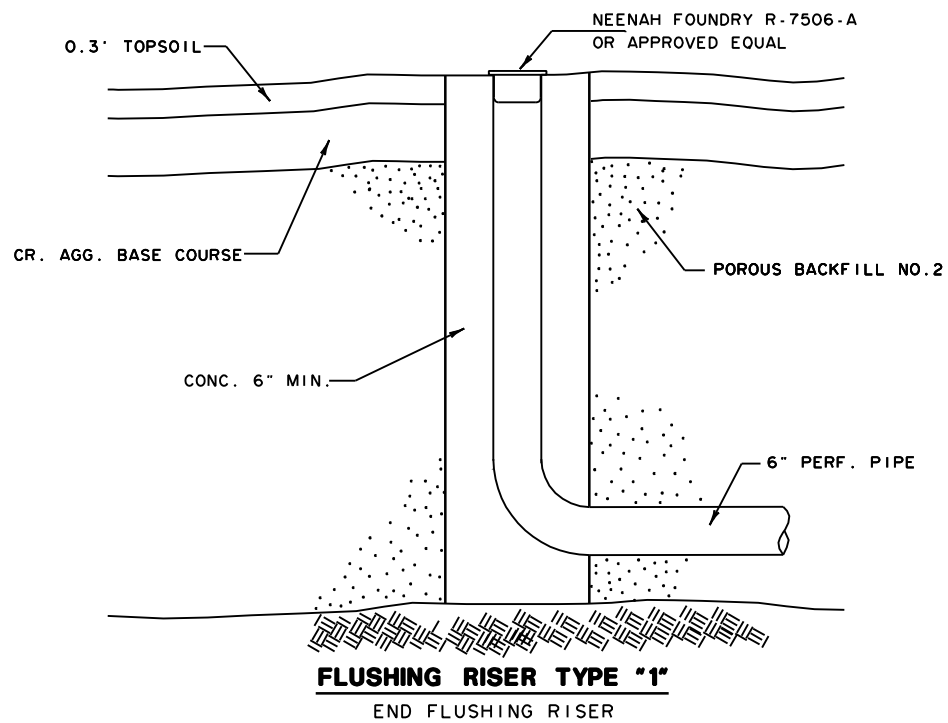
**ALTERNATE NO. 4  
DISCRETIONARY CONSTRUCTION  
SEQUENCE**

A.I.P. PROJECT NO.  
3-55-0090-22

JOB NO.  
23099-90-05013

DWG NO.  
9005013230.dgn

SHEET NO.  
19 of 130



| NO | DATE   | REVISION       |
|----|--------|----------------|
| 1  | 1/8/09 | RECORD DRAWING |

ENGINEERS  
ARCHITECTS  
SCIENTISTS  
PLANNERS

**MEAD HUNT**

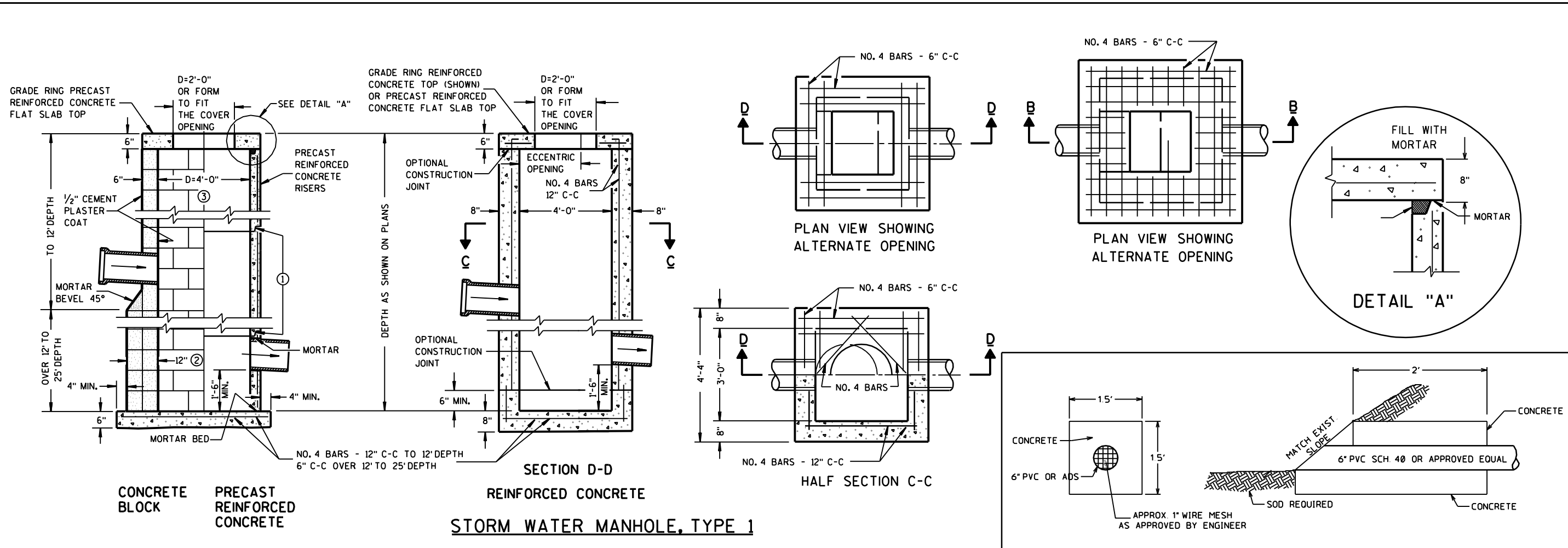
WAUKESHA COUNTY AIRPORT

DATE 1/8/2009  
DESIGNED DNE  
DRAWN TJR  
CHECKED AJP

**DRAINAGE DETAILS**

A.I.P. PROJECT NO  
3-55-0090-22  
JOB NO  
23099-90-05013  
DWG NO  
9005013240.dgn  
SHEET NO  
20 of 130





**COVER SCHEDULE:**

ALL FRAMES, GRATES, & COVERS COMPLY WITH WISDOT STANDARD DETAILS

STORM WATER MANHOLE, TYPE 1 SHALL HAVE COVER DOT TYPE C AND SHALL BE PAID FOR AS BID ITEM 61L0612

STORM WATER CATCH BASIN, TYPE 3, SHALL HAVE NEENAH R1642-A WITH SOLID PLATEN LID AND SHALL BE PAID FOR AS BID ITEM 61L9800.5

TYPE 8 INLETS SHALL HAVE NEENAH R4882 CASTING & GRATE AND WILL BE INCLUDED WITH COST OF THE INLET

**GENERAL NOTES:**

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE A PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

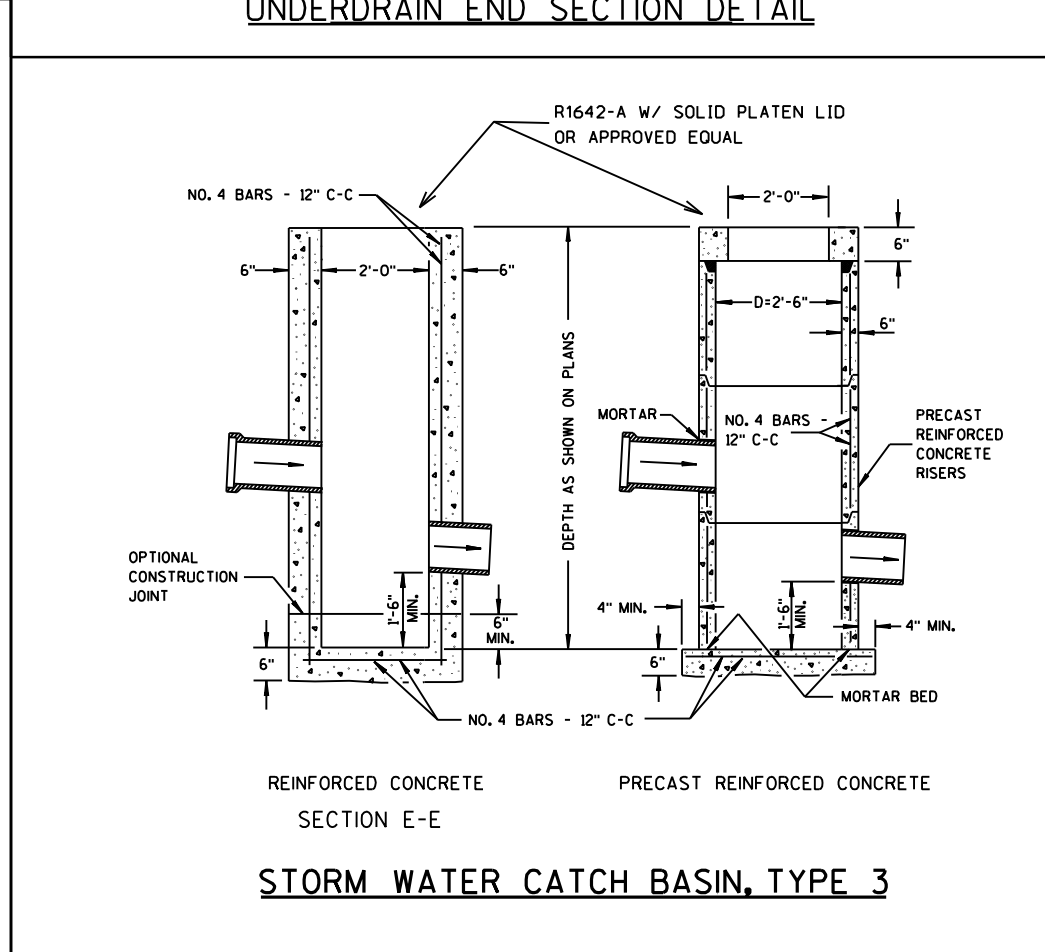
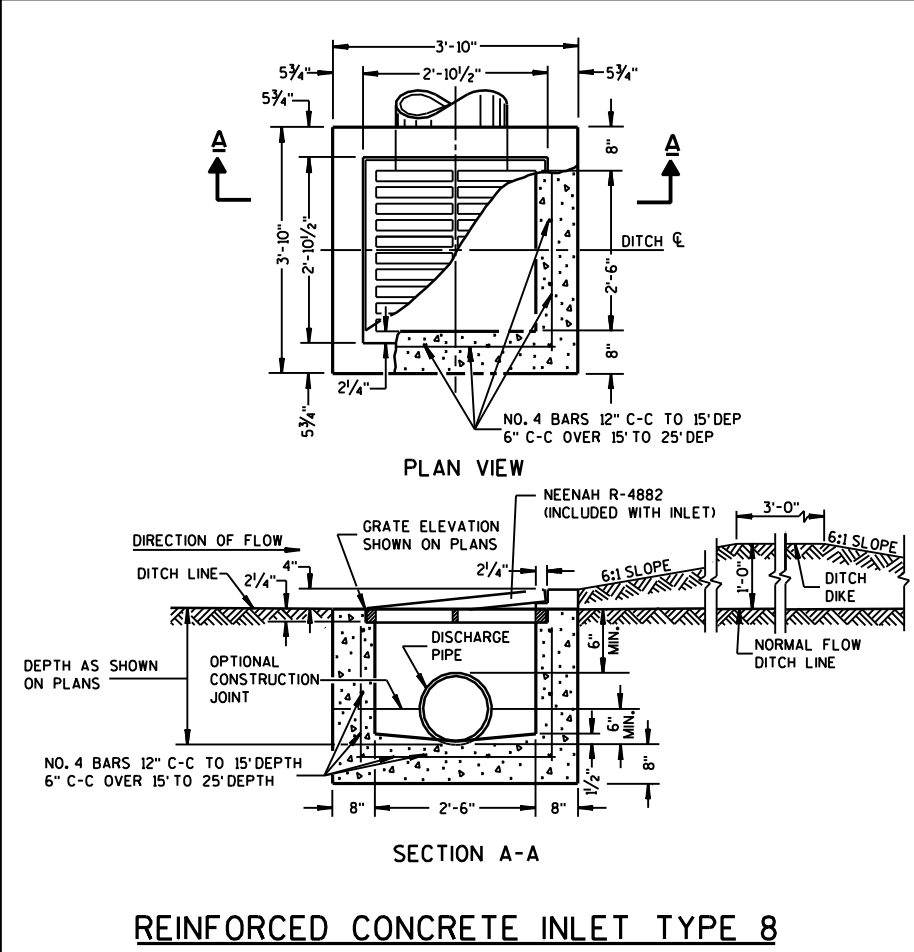
STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES; AND BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 300 LBS. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A CROSS SECTIONAL DIMENSION OF 1 INCH.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT. STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR WILL BE ACCEPTABLE.

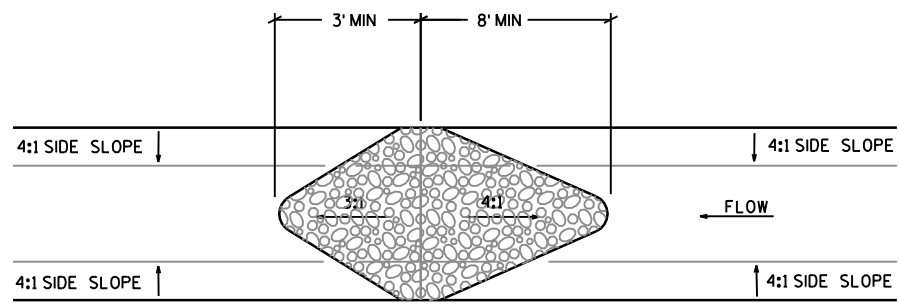
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED CONCRETE RISERS SHALL BE PLACED WITH TONGUE DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

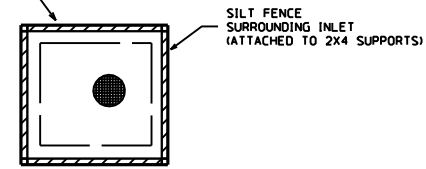
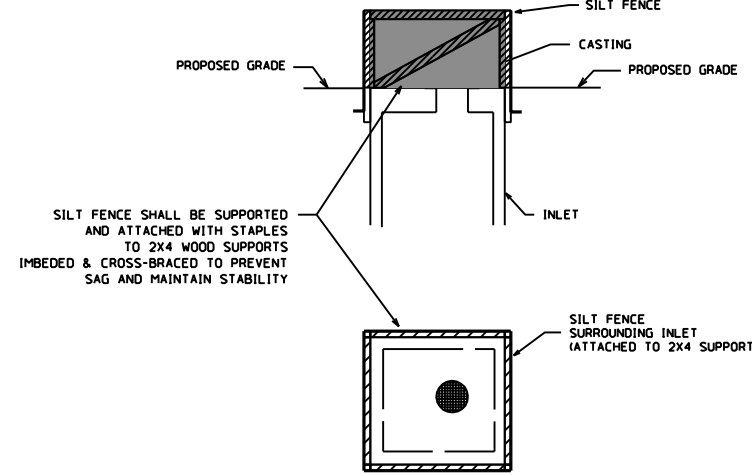


|   |                |
|---|----------------|
| INITIAL   | MJK            |
| REVISION  | RECORD DRAWING |
| NO  | DATE           |
| 1   | 1/8/08         |
| ENGINEERS<br>ARCHITECTS<br>SCIENTISTS<br>PLANNERS |                |
| <b>MEAD HUNT</b>                                  |                |
| WALKESHA COUNTY AIRPORT                           |                |
| DATE  | 1/8/2009       |
| DESIGNED  | DNE            |
| DRAWN   | TJR            |
| CHECKED   | AJP            |
| <b>DRAINAGE DETAILS</b>                           |                |
| A.I.P. PROJECT NO<br>3-55-0090-22                 |                |
| JOB NO<br>23099-90-05013                          |                |
| DWG NO<br>9005013242.dgn                          |                |
| SHEET NO<br>21 of 130                             |                |



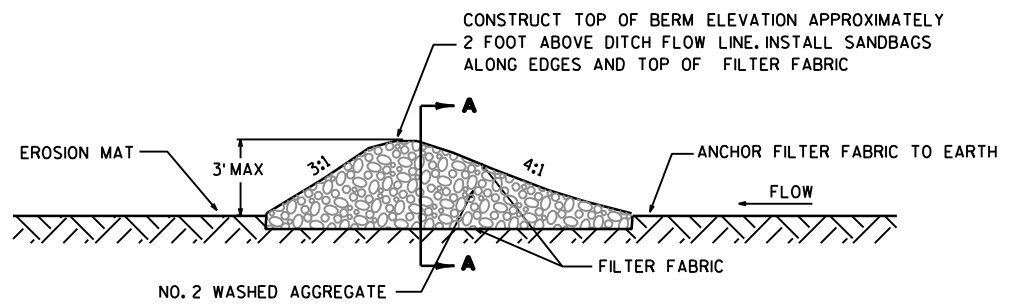
**PLAN VIEW**

**INLET PROTECTION DETAIL  
SILT FENCE FOR INLETS**

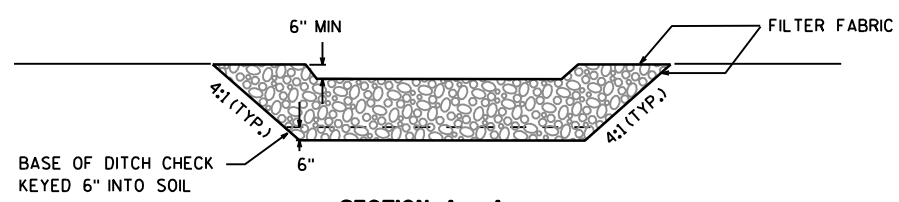


**INLET PROTECTION GENERAL NOTES**

FABRIC SHALL BE PLACED AT THE ENGINEER'S DIRECTION. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED FOR THE INLET TYPE SPECIFIED. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE GIVEN SO THAT SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

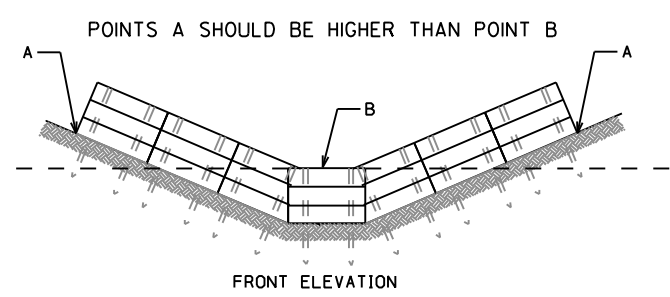


**STONE SECTION**

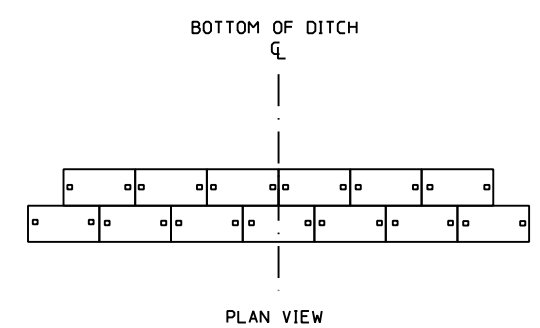


**SECTION A - A**

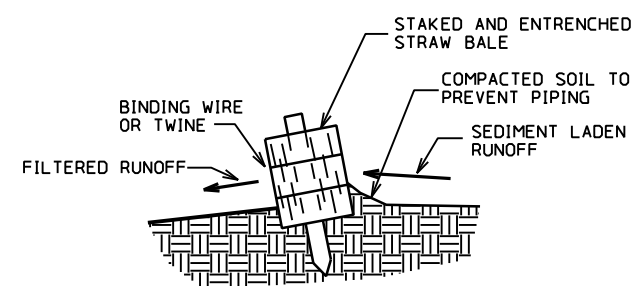
**SEDIMENTATION TRAP  
(FILTER BERM)**



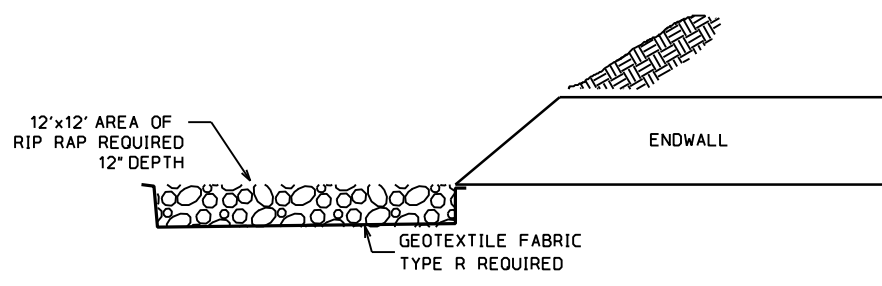
**FRONT ELEVATION**



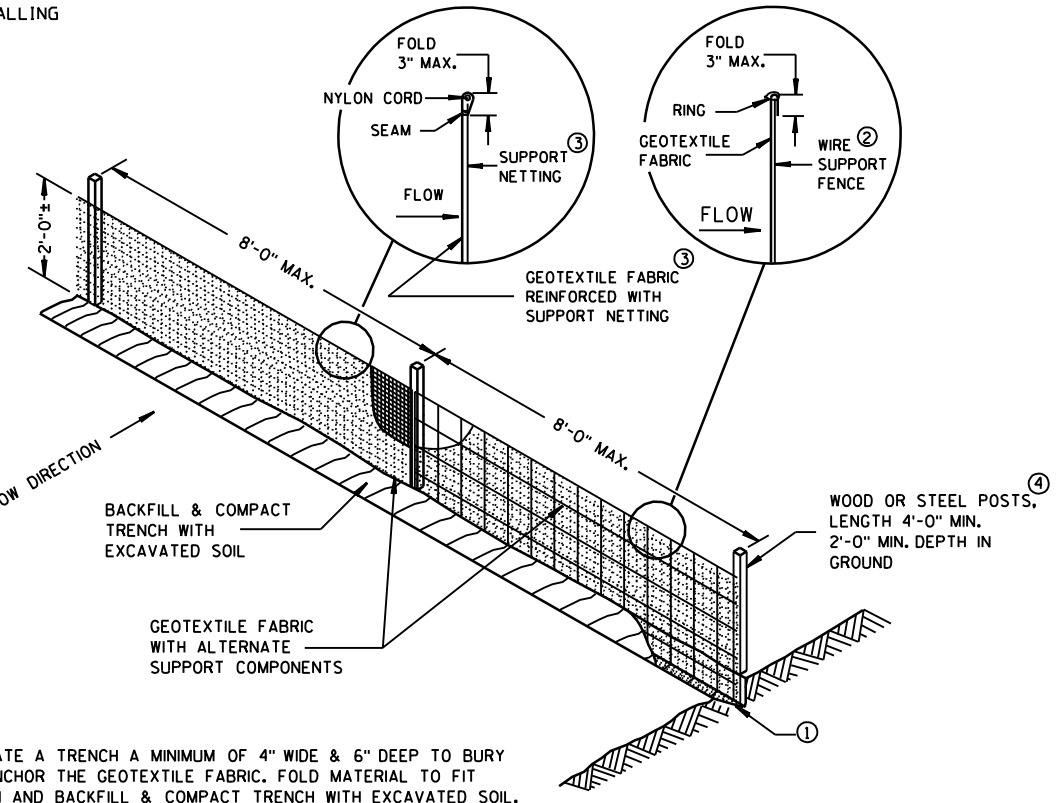
**PLACEMENT OF STRAW BARRIER IN DRAINAGE WAY**



**CROSS-SECTION OF PROPERLY  
INSTALLED STRAW BALE**

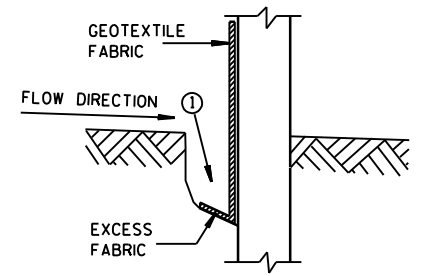


**RIPRAP AT ENDWALL DETAIL**



- ① EXCAVATE A TRENCH A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ② WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C-C.
- ③ GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.
- ④ STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.28 LBS./LINEAL FOOT (WITHOUT ANCHOR). FIN ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIA. OR 1 1/2" X 3 1/2" EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OAK OR HICKORY.

**SILT FENCE DETAIL**

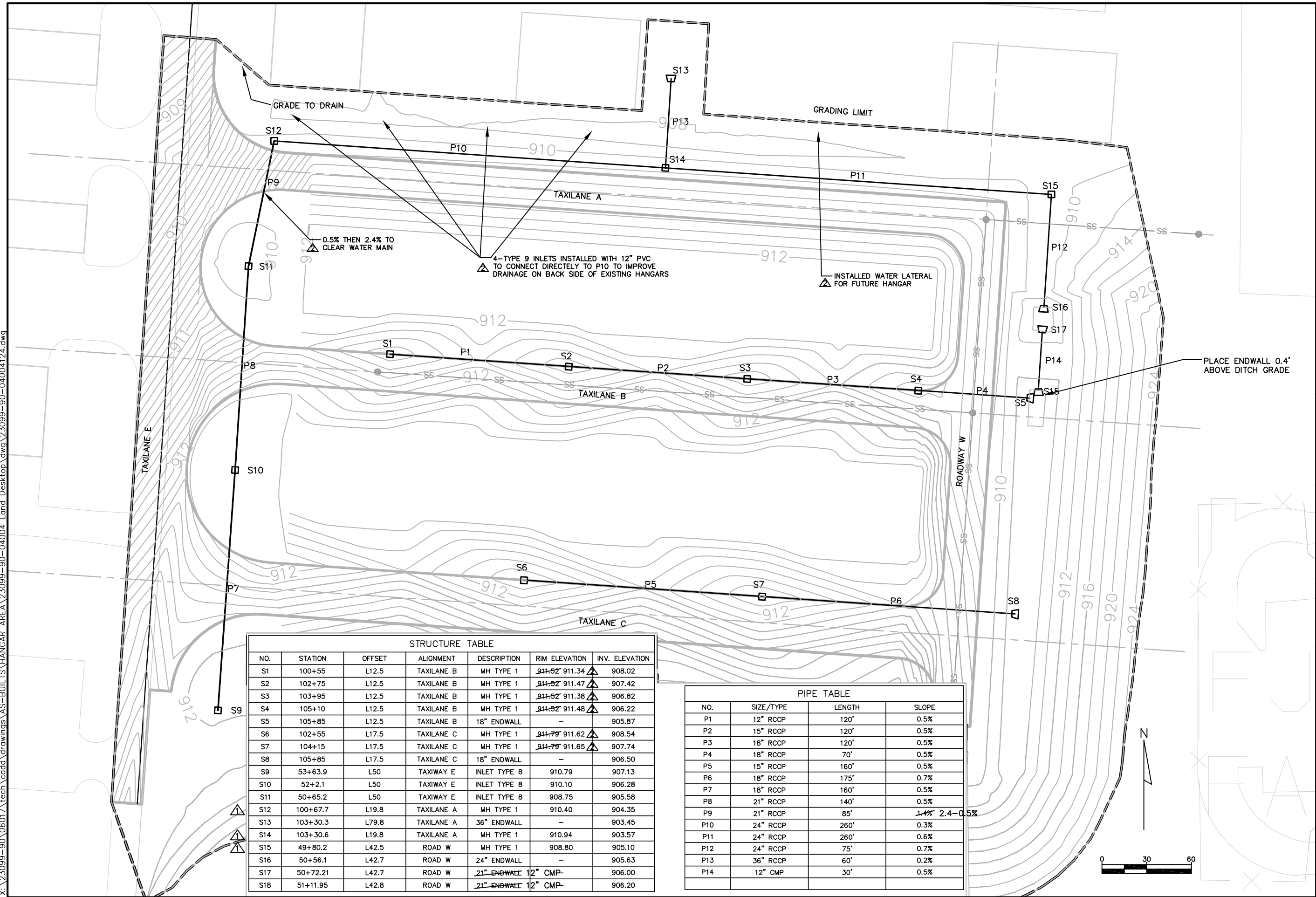


**TRENCH DETAIL**

NOTE: ALL EROSION CONTROL MEASURES TO CONFORM WITH WISCONSIN DEPT. OF NATURAL RESOURCES BEST MANAGEMENT PRACTICE HANDBOOK

|   |                |
|---|----------------|
| INITIAL   | JJK            |
| REVISION  | RECORD DRAWING |
| NO  | DATE           |
| 1   | 1/8/09         |
| ENGINEERS<br>ARCHITECTS<br>SCIENTISTS<br>PLANNERS |                |
|   |                |
|   |                |
| DATE  | 1/8/2009       |
| DESIGNED  | GAS            |
| DRAWN   | PCP            |
| CHECKED   | AJP            |
| <b>DRAINAGE &amp; EROSION CONTROL<br/>DETAILS</b> |                |
| A.I.P. PROJECT NO<br>3-55-0090-22                 |                |
| JOB NO<br>23099-90-05013                          |                |
| DWG NO  |                |
| 9005013241.dgn                                    |                |
| SHEET NO<br>22 of 130                             |                |

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| STRUCTURE TABLE |          |        |            |                     |                 |                |
|-----------------|----------|--------|------------|---------------------|-----------------|----------------|
| NO.             | STATION  | OFFSET | ALIGNMENT  | DESCRIPTION         | RIM ELEVATION   | INV. ELEVATION |
| S1              | 100+55   | L12.5  | TAXILANE B | MH TYPE 1           | 911.52' 911.34' | 908.02         |
| S2              | 102+75   | L12.5  | TAXILANE B | MH TYPE 1           | 911.52' 911.47' | 907.42         |
| S3              | 103+95   | L12.5  | TAXILANE B | MH TYPE 1           | 911.52' 911.38' | 906.82         |
| S4              | 105+10   | L12.5  | TAXILANE B | MH TYPE 1           | 911.52' 911.48' | 906.22         |
| S5              | 105+85   | L12.5  | TAXILANE B | 18" ENDWALL         | -               | 905.87         |
| S6              | 102+55   | L17.5  | TAXILANE C | MH TYPE 1           | 911.79' 911.62' | 908.54         |
| S7              | 104+15   | L17.5  | TAXILANE C | MH TYPE 1           | 911.79' 911.65' | 907.74         |
| S8              | 105+85   | L17.5  | TAXILANE C | 18" ENDWALL         | -               | 906.50         |
| S9              | 53+63.9  | L50    | TAXIWAY E  | INLET TYPE 8        | 910.79          | 907.13         |
| S10             | 52+2.1   | L50    | TAXIWAY E  | INLET TYPE 8        | 910.10          | 906.28         |
| S11             | 50+65.2  | L50    | TAXIWAY E  | INLET TYPE 8        | 908.75          | 905.58         |
| S12             | 100+67.7 | L19.8  | TAXILANE A | MH TYPE 1           | 910.40          | 904.35         |
| S13             | 103+30.3 | L79.8  | TAXILANE A | 36" ENDWALL         | -               | 903.45         |
| S14             | 103+30.6 | L19.8  | TAXILANE A | MH TYPE 1           | 910.94          | 903.57         |
| S15             | 49+80.2  | L42.5  | ROAD W     | MH TYPE 1           | 908.80          | 905.10         |
| S16             | 50+56.1  | L42.7  | ROAD W     | 24" ENDWALL         | -               | 905.63         |
| S17             | 50+72.21 | L42.7  | ROAD W     | 21" ENDWALL 12" CMP | -               | 906.00         |
| S18             | 51+11.95 | L42.8  | ROAD W     | 21" ENDWALL 12" CMP | -               | 906.20         |

| PIPE TABLE |           |        |               |
|------------|-----------|--------|---------------|
| NO.        | SIZE/TYPE | LENGTH | SLOPE         |
| P1         | 12" RCCP  | 120'   | 0.5%          |
| P2         | 15" RCCP  | 120'   | 0.5%          |
| P3         | 18" RCCP  | 120'   | 0.5%          |
| P4         | 18" RCCP  | 70'    | 0.5%          |
| P5         | 15" RCCP  | 160'   | 0.5%          |
| P6         | 18" RCCP  | 175'   | 0.7%          |
| P7         | 18" RCCP  | 160'   | 0.5%          |
| P8         | 21" RCCP  | 140'   | 0.5%          |
| P9         | 21" RCCP  | 85'    | 1.4% 2.4-0.5% |
| P10        | 24" RCCP  | 260'   | 0.3%          |
| P11        | 24" RCCP  | 260'   | 0.6%          |
| P12        | 24" RCCP  | 75'    | 0.7%          |
| P13        | 36" RCCP  | 60'    | 0.2%          |
| P14        | 12" CMP   | 30'    | 0.5%          |



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| NO. | DATE    | REVISION       | INITIAL |
| 1   | 4/27/06 | ADDENDUM NO. 1 | GAS     |
| 2   |         | AS BUILT       | MJK     |

MEAD HUNT

WAUKESHA COUNTY AIRPORT

DATE \$DATE\$  
DESIGNED MJK  
DRAWN MJK  
CHECKED GAS

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
STORM SEWER PLAN  
ALTERNATE NO. 1**

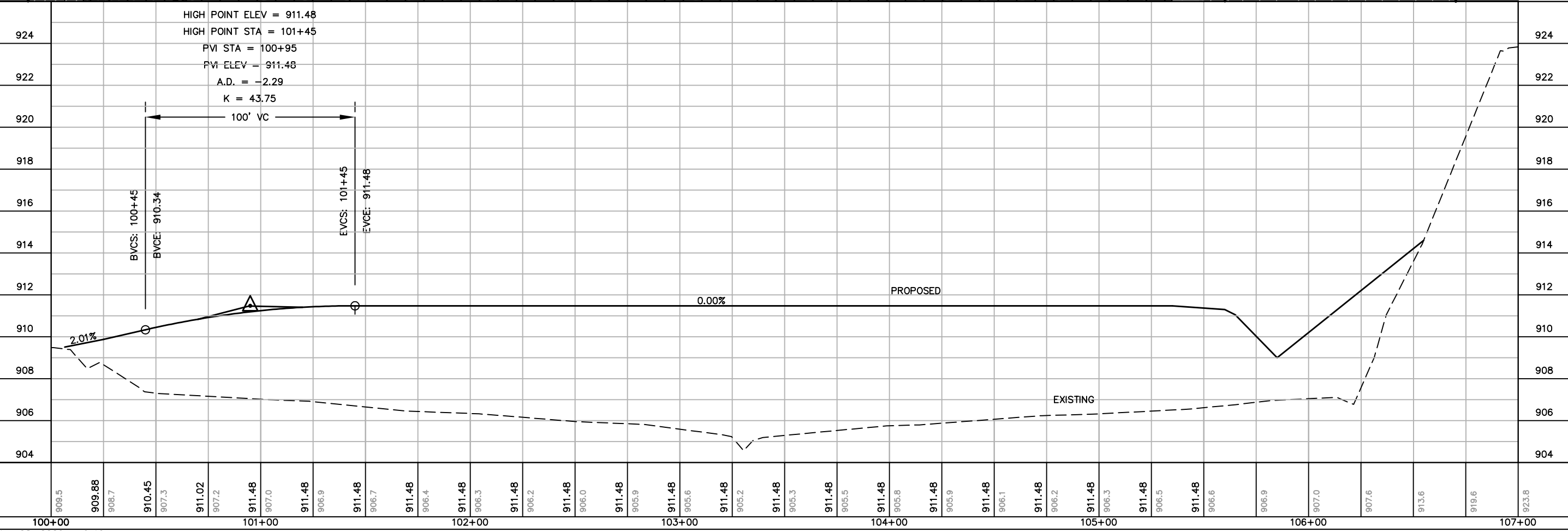
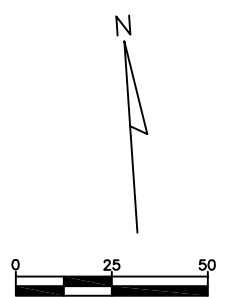
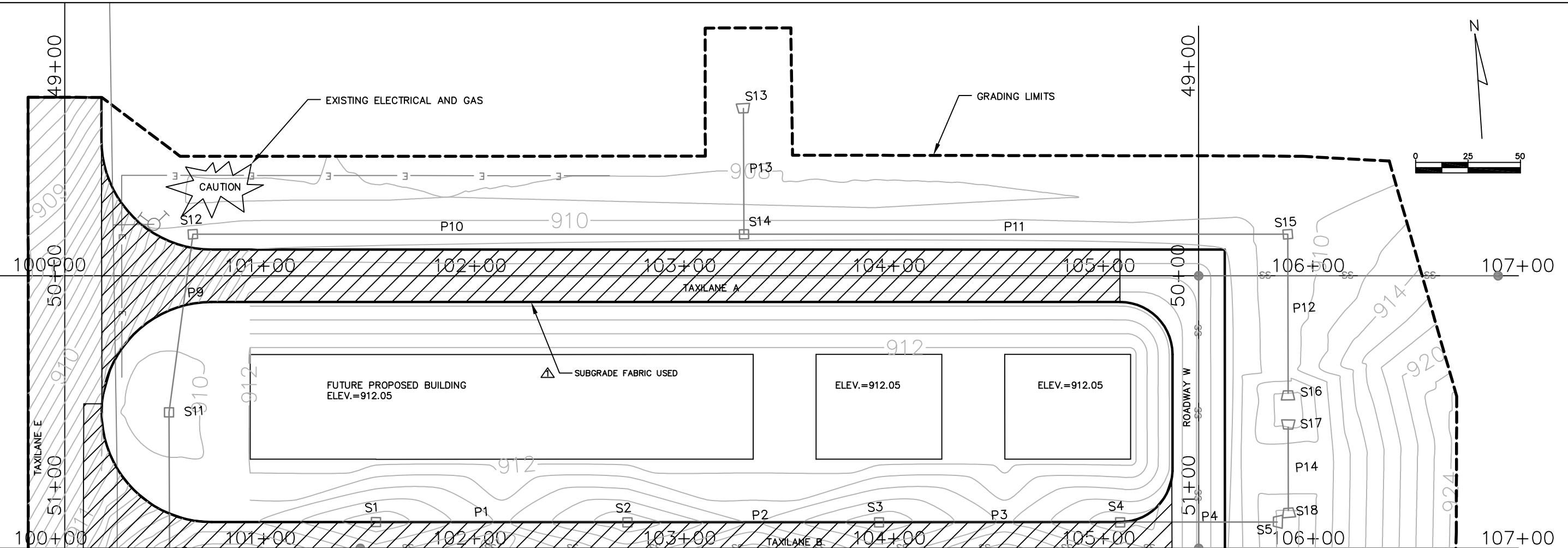
A.I.P. PROJECT NO.  
3-55-0090-22

JOB NO.  
23099-90-04004

DWG NO.  
9004004124.dwg

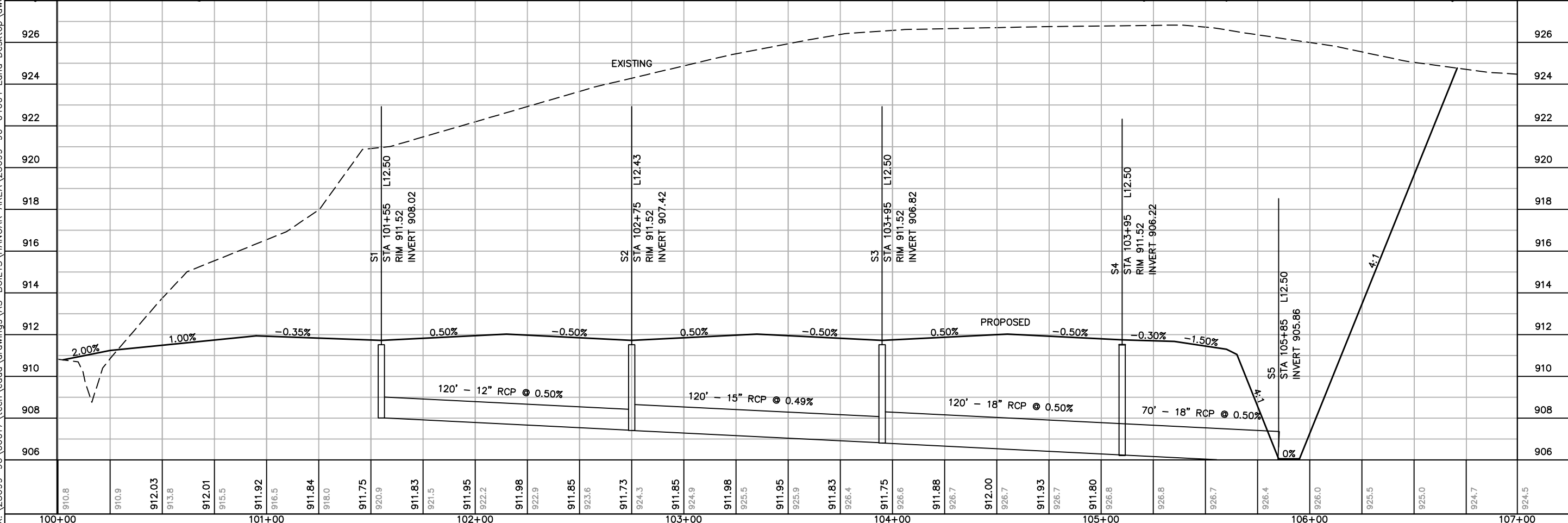
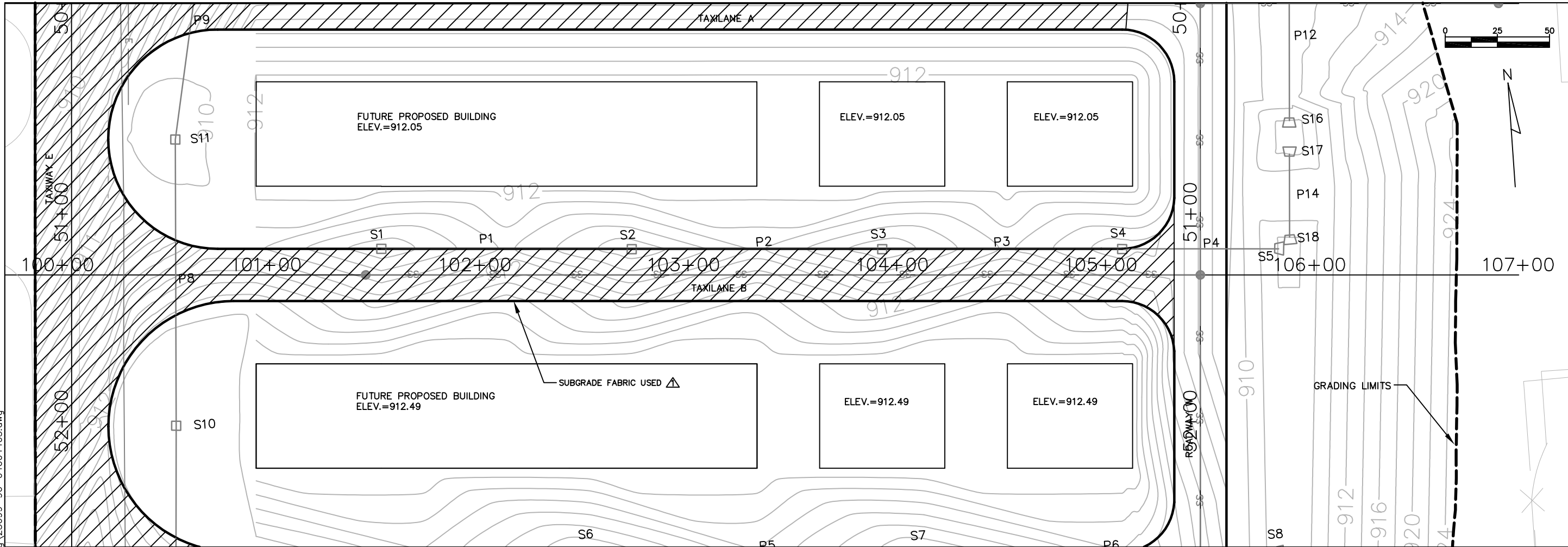
SHEET NO.  
32 of 130

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| INITIAL  | MJK      |
| REVISION   |          |
| AS-BUILT   |          |
| DATE   | 12/08    |
| NO.  | 1        |
|  |          |
|  |          |
| DATE   | \$DATE\$ |
| DESIGNED   | MJK      |
| DRAWN  | MJK      |
| CHECKED  | GAS      |
| <b>HANGAR AREA<br/>PLAN/PROFILE TAXILANE A<br/>ALTERNATE NO. 1 AND NO. 2</b> |          |
| A.I.P. PROJECT NO.<br>3-55-0090-22   |          |
| JOB NO.<br>23099-90-04004  |          |
| DWG NO.<br>9004004400.dwg  |          |
| SHEET NO.<br>39 of 130   |          |

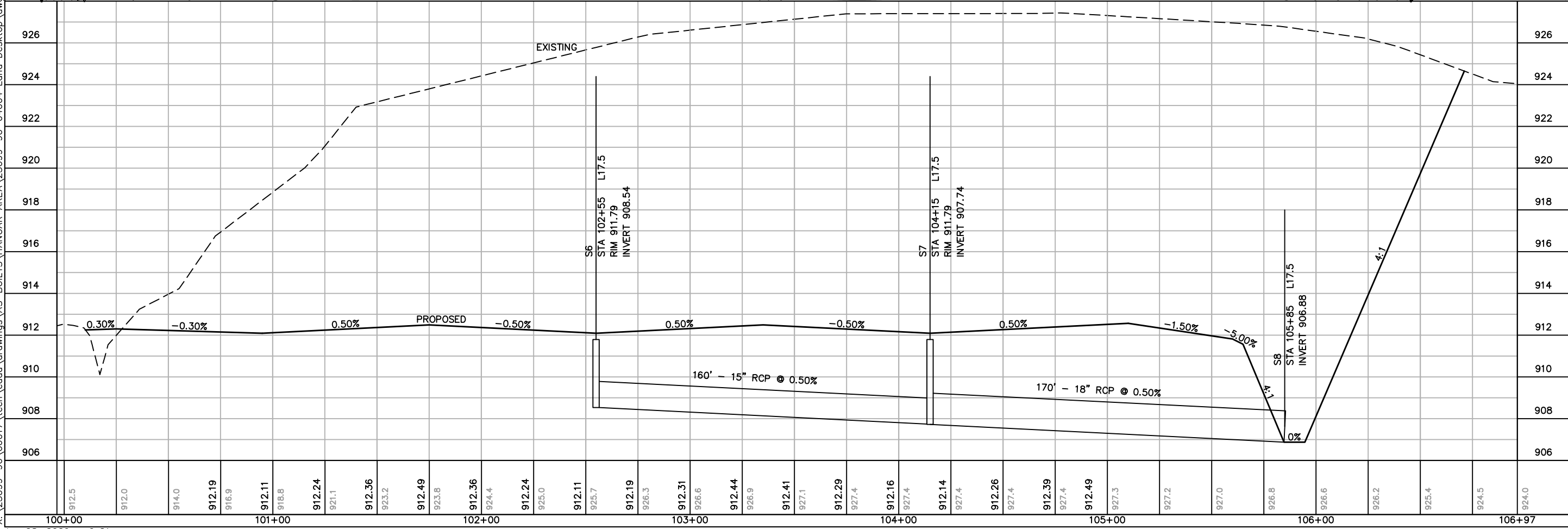
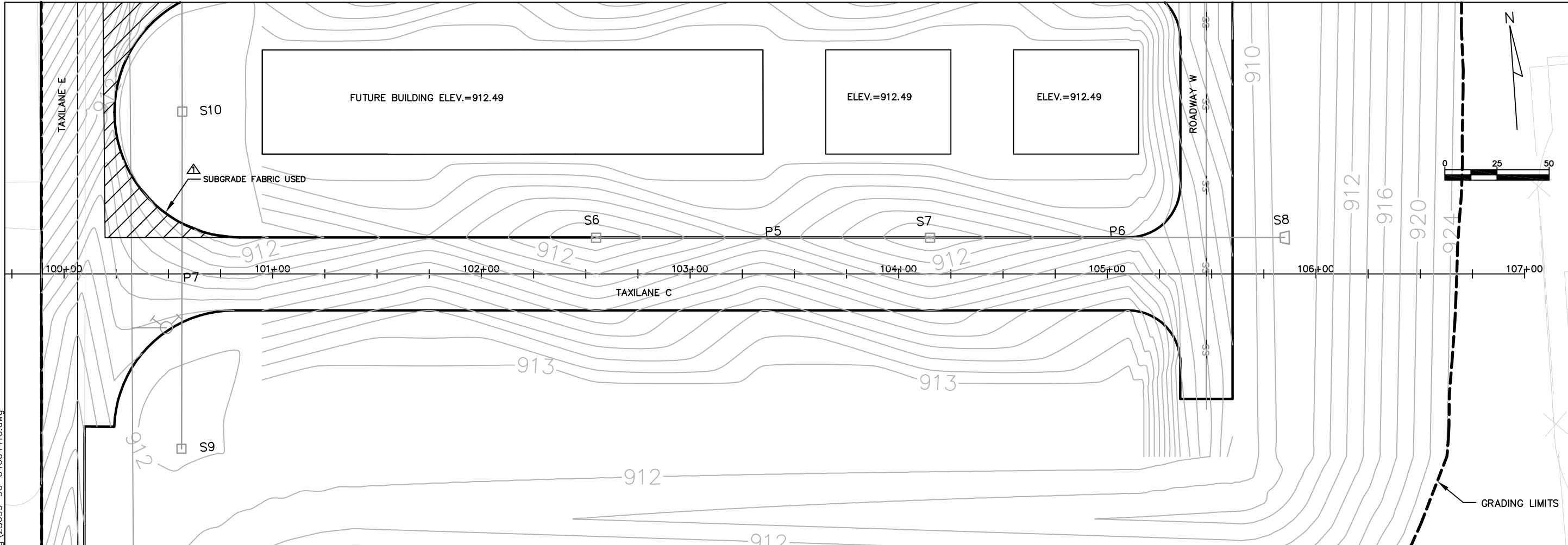
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|--|-------|----------|----------|---------|
| NO.  | DATE  | AS-BUILT | REVISION | INITIAL |
| 1  | 12/08 |          |          | MJK     |
| <p>DATE \$DATE\$</p> <p>DESIGNED MJK</p> <p>DRAWN MJK</p> <p>CHECKED GAS</p>   |       |          |          |         |
| <p>WAUKESHA COUNTY AIRPORT</p> <p><b>HANGAR AREA</b></p> <p><b>PLAN/PROFILE TAXILANE B</b></p> <p><b>ALTERNATE NO. 1 AND NO. 2</b></p> |       |          |          |         |
| <p>A.I.P. PROJECT NO.</p> <p>3-55-0090-22</p>  |       |          |          |         |
| <p>JOB NO.</p> <p>23099-90-04004</p>   |       |          |          |         |
| <p>DWG NO.</p> <p>9004004405.dwg</p>   |       |          |          |         |
| <p>SHEET NO.</p> <p>40 of 130</p>  |       |          |          |         |

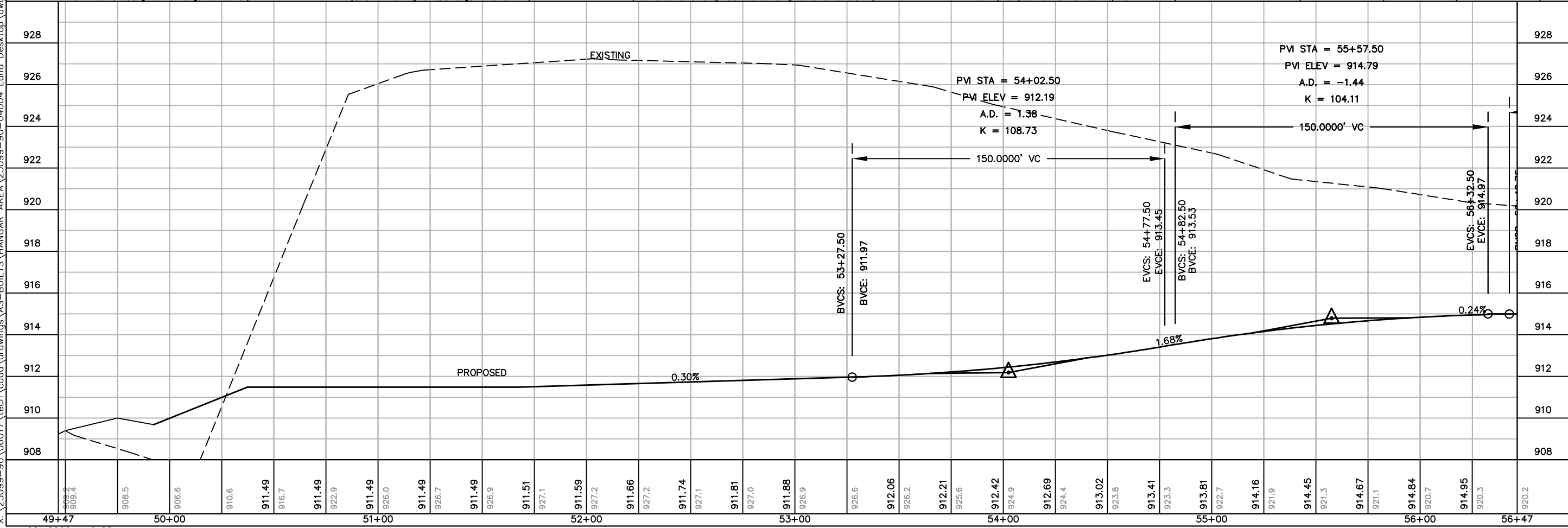
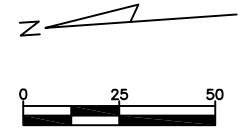
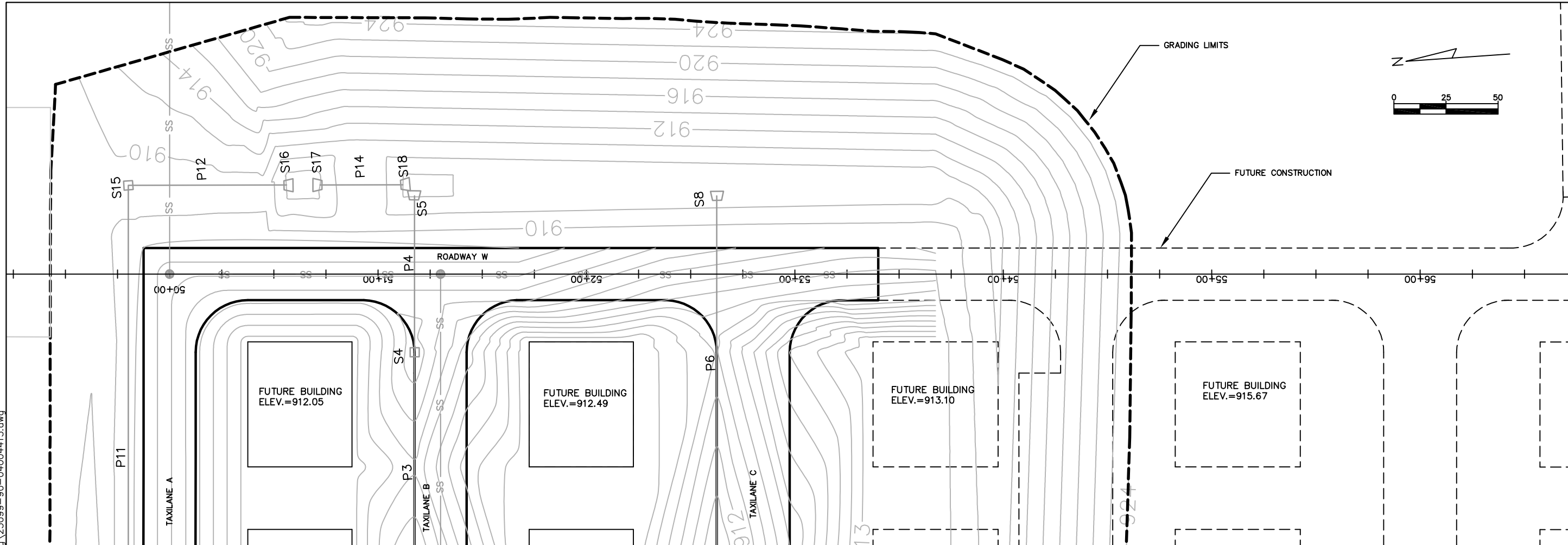


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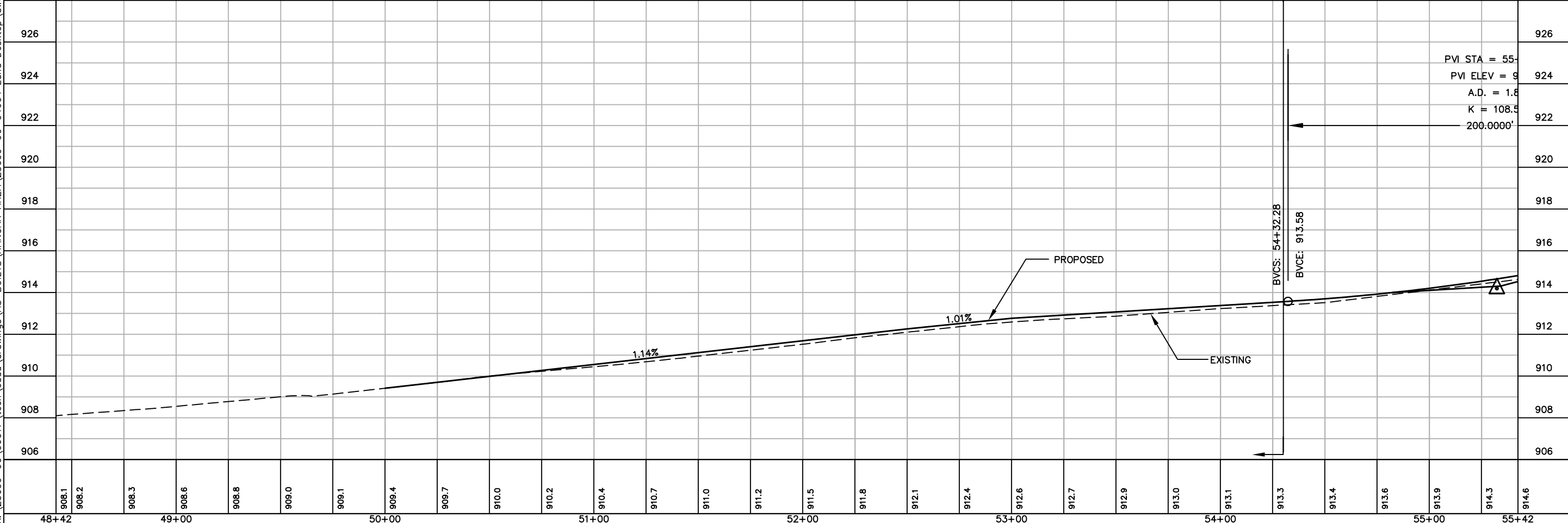
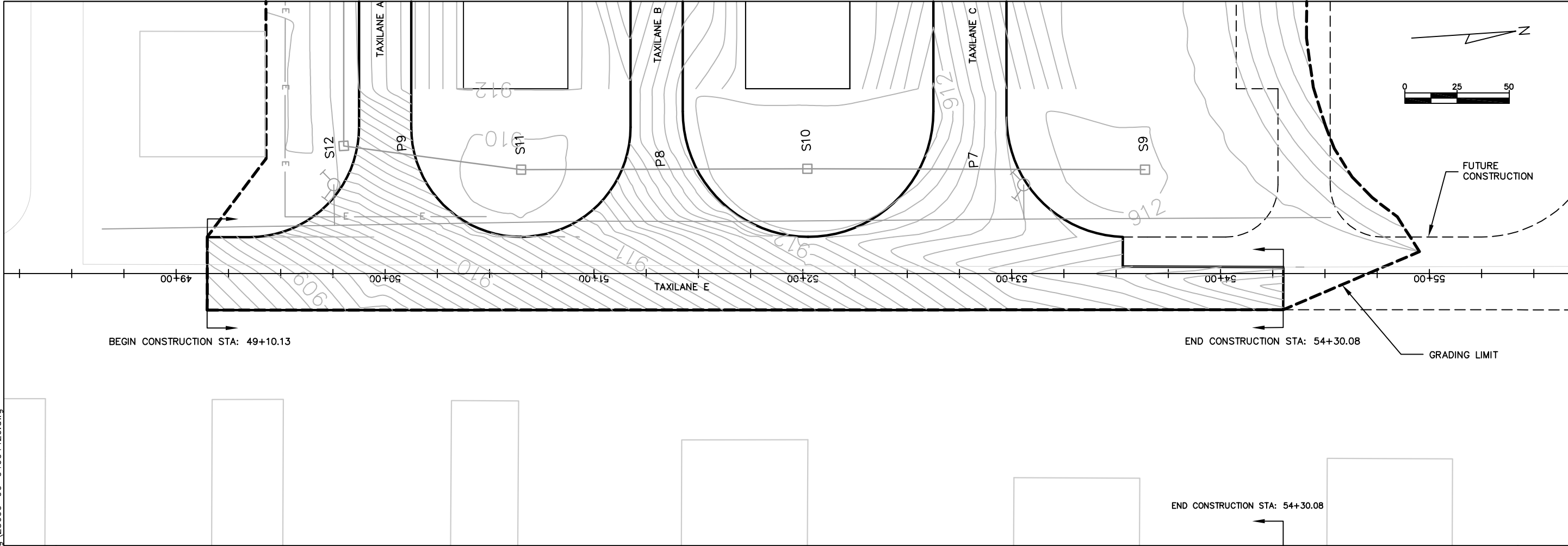
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|---------------------------------|----------|----------|---------|
| NO.                             | DATE     | REVISION | INITIAL |
| 1                               | 12/08    | AS BUILT | MJK     |
|                                 |          |          |         |
|                                 |          |          |         |
| DATE                            | DESIGNED | DRAWN    | CHECKED |
| DATE\$                          | MJK      | MJK      | GAS     |
| <b>PLAN/PROFILE TAXILANE C</b>  |          |          |         |
| A.I.P. PROJECT NO. 3-55-0090-22 |          |          |         |
| JOB NO. 23099-90-04004          |          |          |         |
| DWG NO. 9004004410.dwg          |          |          |         |
| SHEET NO. 41 of 130             |          |          |         |

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|  |       |          |         |
|--|-------|----------|---------|
| NO.  | DATE  | REVISION | INITIAL |
| 1  | 12/08 | AS-BUILT | MJK     |
| <p>DESIGNED MJK<br/>DRAWN MJK<br/>CHECKED GAS</p>  |       |          |         |
| <p>Waukesha County Airport<br/> <b>HANGAR AREA<br/>         PLAN/PROFILE ROAD W<br/>         ALTERNATE NO. 1 AND NO. 2</b></p> |       |          |         |
| <p>A.I.P. PROJECT NO.<br/>3-55-0090-22</p>   |       |          |         |
| <p>JOB NO.<br/>23099-90-04004</p>  |       |          |         |
| <p>DWG NO.<br/>9004004415.dwg</p>  |       |          |         |
| <p>SHEET NO.<br/>42 of 130</p>   |       |          |         |

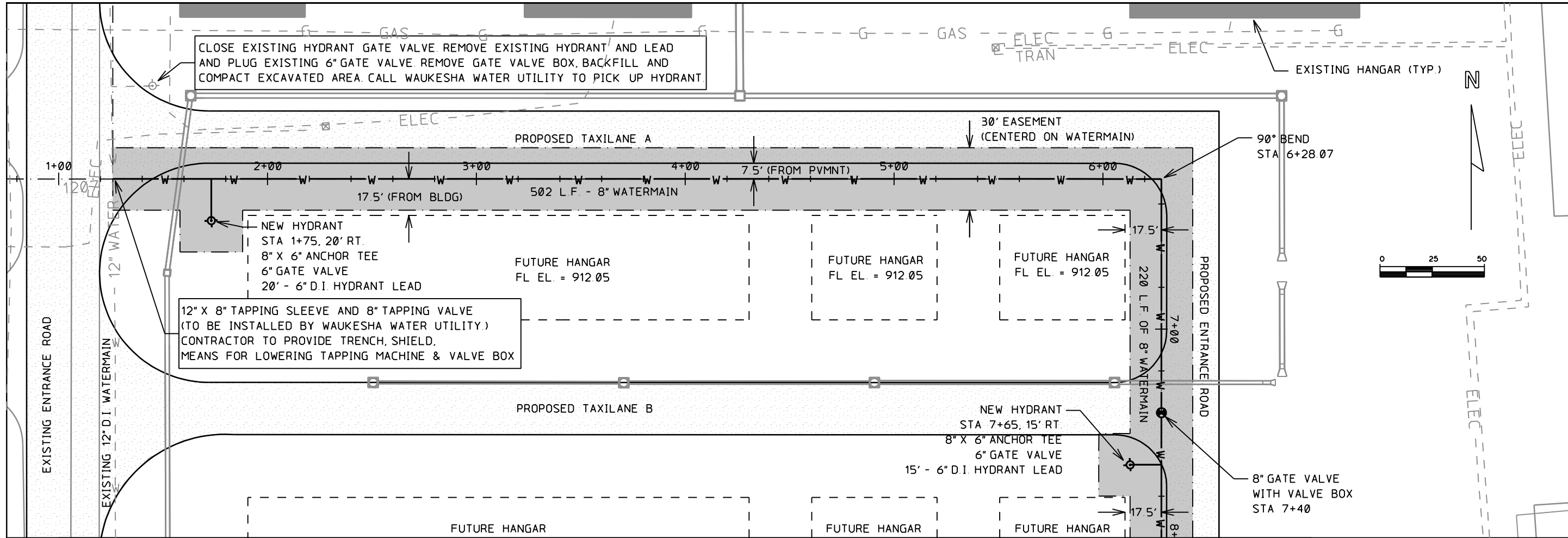
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|---|-------|--------------|---------|
| NO.   | DATE  | REVISION     | INITIAL |
| 1   | 12/08 | AS-BUILT     | MJK     |
| DATE \$DATE\$   |       | DESIGNED MJK |         |
|   |       | DRAWN MJK    |         |
|   |       | CHECKED GAS  |         |
| <b>HANGAR AREA</b><br><b>PLAN/PROFILE TAXIWAY E</b><br><b>ALTERNATE NO. 1 AND NO. 2</b> |       |              |         |
| A.I.P. PROJECT NO. 3-55-0090-22   |       |              |         |
| JOB NO. 23099-90-04004  |       |              |         |
| DWG NO. 9004004420.dwg  |       |              |         |
| SHEET NO. 43 of 130   |       |              |         |







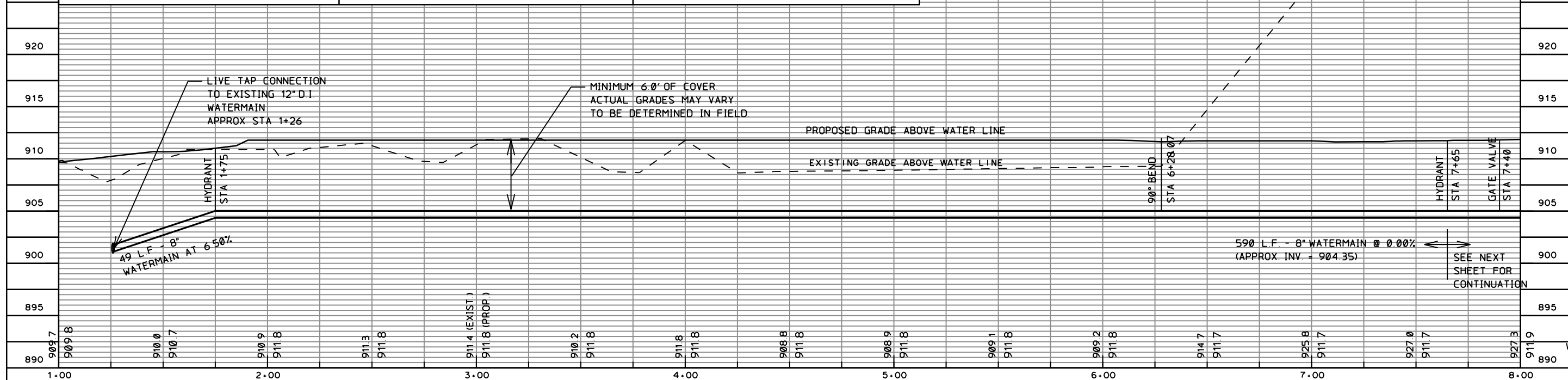
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|----------|----------------|
| INITIAL  | MJK            |
| REVISION | RECORD DRAWING |
| NO       | DATE           |
| 1        | 1/8/09         |

MEAD & HUNT  
 ENGINEERS  
 ARCHITECTS  
 SCIENTISTS  
 PLANNERS

WAUKESHA COUNTY AIRPORT  
 S.E. HANGAR AREA  
 8" WATERMAIN EXTENSION  
 PLAN AND PROFILE

| WATERMAIN ALIGNMENT                 |             |              |                                    |             |              |                                       |             |              |
|-------------------------------------|-------------|--------------|------------------------------------|-------------|--------------|---------------------------------------|-------------|--------------|
| STATION                             | NORTHING    | EASTING      | STATION                            | NORTHING    | EASTING      | STATION                               | NORTHING    | EASTING      |
| 0+00.00                             | 382161.5288 | 2441245.9620 | 6+28.07                            | 382118.3728 | 2441872.5500 | 8+48.07                               | 381898.8906 | 2441857.4643 |
| 6+28.07                             | 382118.3728 | 2441872.5500 | 8+48.07                            | 381898.8906 | 2441857.4643 | 14+76.18                              | 381942.0488 | 2441230.8450 |
| Tangent Direction: S 86°03'36.0000" |             |              | Tangent Direction: S 3°55'55.0000" |             |              | Tangent Direction: N 86°03'36.0000" W |             |              |
| Tangent Length: 628.07              |             |              | Tangent Length: 220.00             |             |              | Tangent Length: 628.10                |             |              |

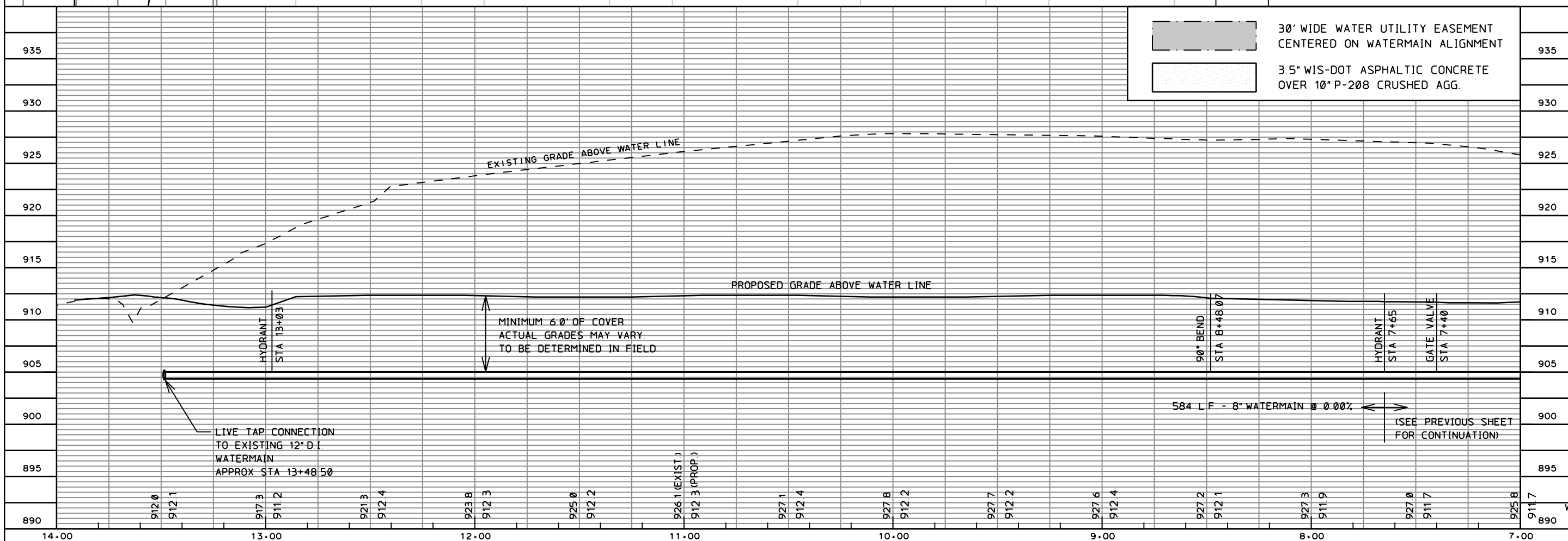
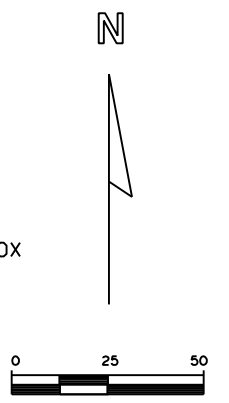
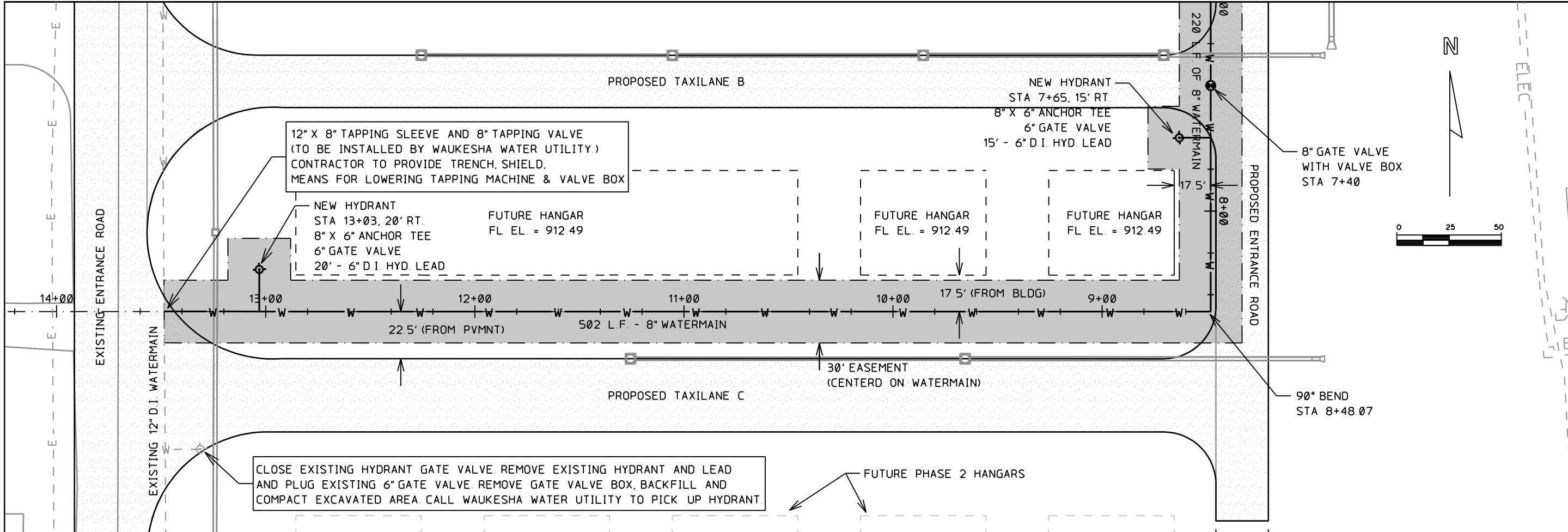
[Hatched Box] 30' WIDE WATER UTILITY EASEMENT CENTERED ON WATERMAIN ALIGNMENT  
 [Dotted Box] 3.5" WIS-DOT ASPHALTIC CONCRETE OVER 10" P-208 CRUSHED AGG.



|          |          |
|----------|----------|
| DATE     | 1/8/2009 |
| DESIGNED |          |
| DRAWN    |          |
| CHECKED  |          |

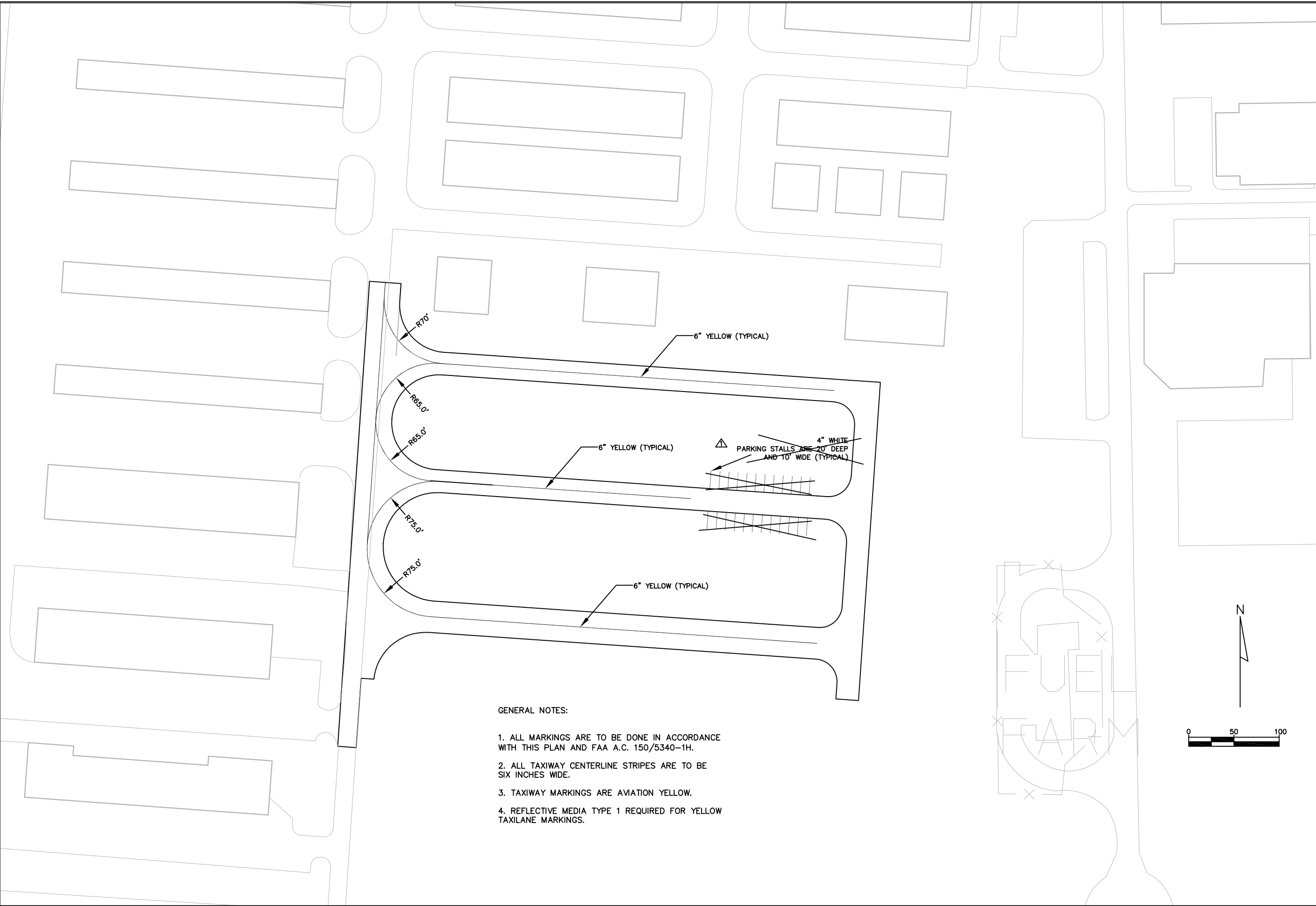
WAUKESHA COUNTY AIRPORT  
 S.E. HANGAR AREA  
 8" WATERMAIN EXTENSION  
 PLAN AND PROFILE

A.I.P. PROJECT NO.  
 JOB NO.  
 DWG NO.  
 Water Sheet 1 dg  
 SHEET NO. 44 of 130



|  |                |       |         |
|--|----------------|-------|---------|
| INITIAL  | REVISION       | NO    | DATE    |
| PJK  | RECORD DRAWING | 1     | 1/8/09  |
| ENGINEERS<br>ARCHITECTS<br>SCIENTISTS<br>PLANNERS  |                |       |         |
|  |                |       |         |
|  |                |       |         |
| DATE   | DESIGNED       | DRAWN | CHECKED |
| 1/8/2009   |                |       |         |
| WAUKESHA COUNTY AIRPORT<br><b>S.E. HANGAR AREA</b><br><b>8" WATERMAIN EXTENSION</b><br><b>PLAN AND PROFILE</b> |                |       |         |
| A.I.P. PROJECT NO.   |                |       |         |
| JOB NO.  |                |       |         |
| DWG NO.  |                |       |         |
| Water Sheet 2 of 2   |                |       |         |
| SHEET NO.  |                |       |         |
| 45 of 130  |                |       |         |

X:\23099-90\06017\tech\cadd\drawings\AS-BUILTS\HANGAR AREA\23099-90-04004 Land Desktop.dwg\23099-90-04004106.dwg

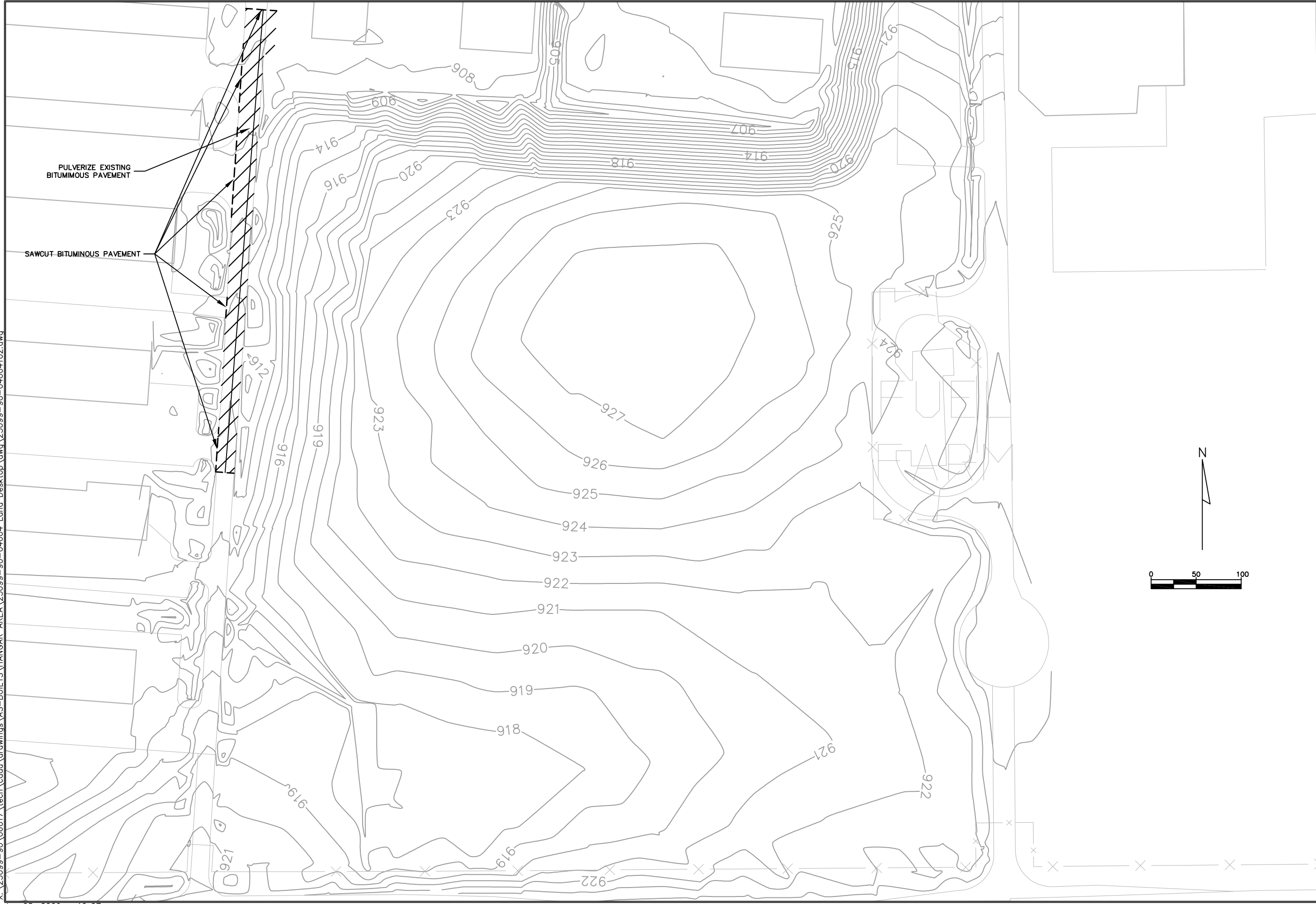


**GENERAL NOTES:**

1. ALL MARKINGS ARE TO BE DONE IN ACCORDANCE WITH THIS PLAN AND FAA A.C. 150/5340-1H.
2. ALL TAXIWAY CENTERLINE STRIPES ARE TO BE SIX INCHES WIDE.
3. TAXIWAY MARKINGS ARE AVIATION YELLOW.
4. REFLECTIVE MEDIA TYPE 1 REQUIRED FOR YELLOW TAXILANE MARKINGS.

|   |  |          |          |         |
|---|--|----------|----------|---------|
| NO. <b>A</b>  |  | DATE     | REVISION | INITIAL |
|   |  | 12/08    | AS BUILT | MJK     |
| DATE  |  | \$DATE\$ | DESIGNED | MJK     |
|   |  |          | DRAWN    | MJK     |
|   |  |          | CHECKED  | GAS     |
|   |  |          |          |         |
|   |  |          |          |         |
| <b>HANGAR AREA<br/>PROPOSED PAVEMENT MARKINGS<br/>ALTERNATE NO. 2</b> |  |          |          |         |
| A.I.P. PROJECT NO.<br>3-55-0090-22                                    |  |          |          |         |
| JOB NO.<br>23099-90-04004   |  |          |          |         |
| DWG NO.<br>9004004106.dwg   |  |          |          |         |
| SHEET NO.<br>53 of 130  |  |          |          |         |

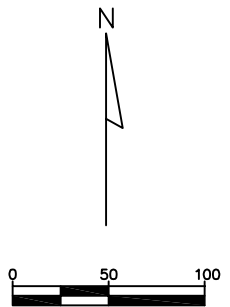
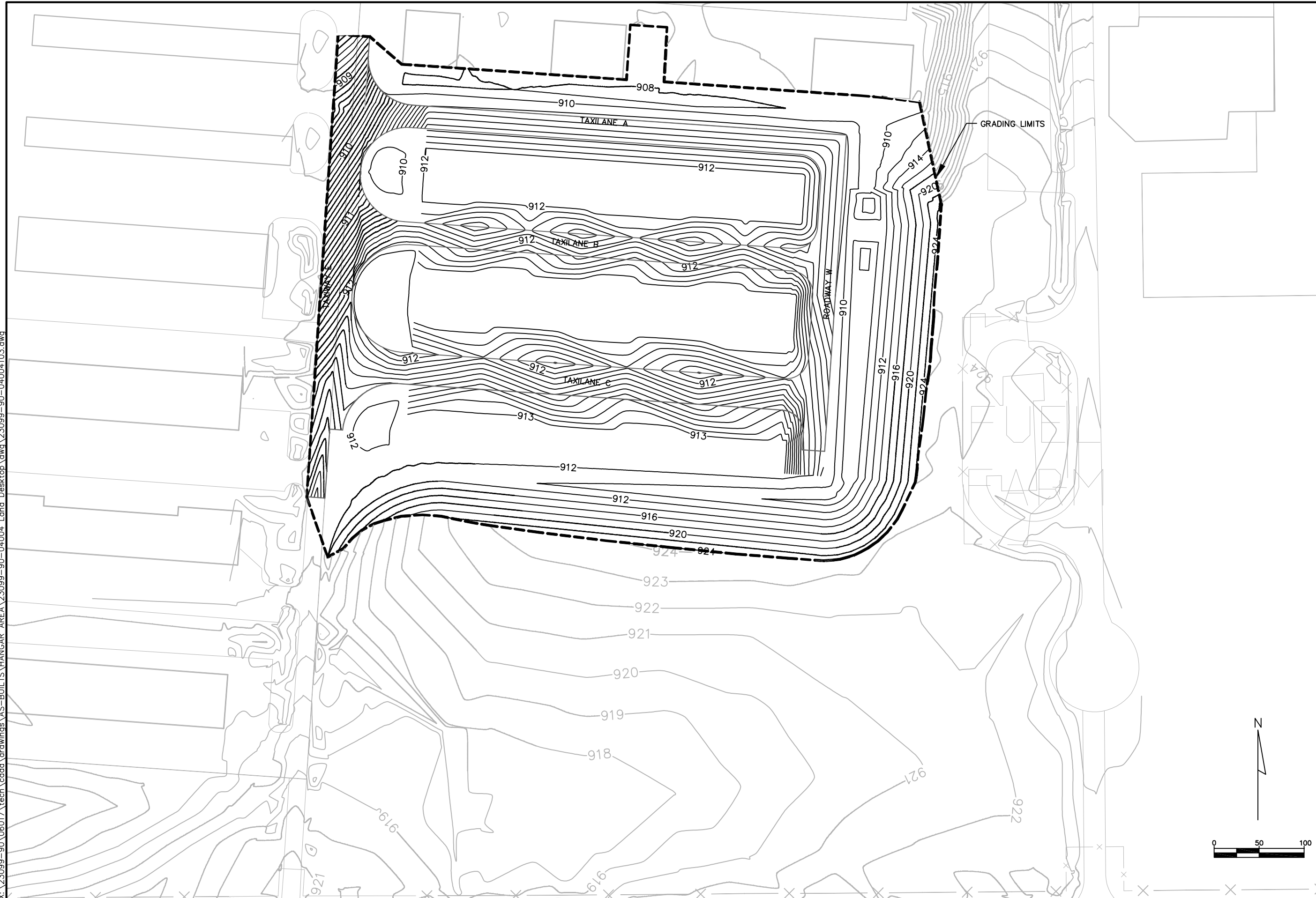
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Jan 08, 2009 - 10:27pm

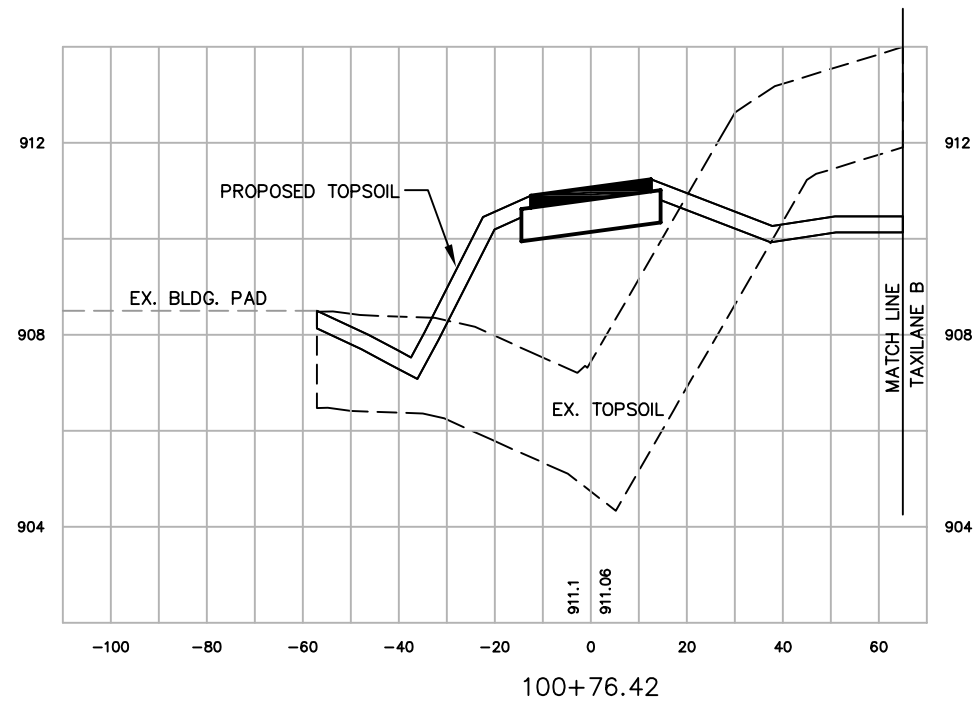
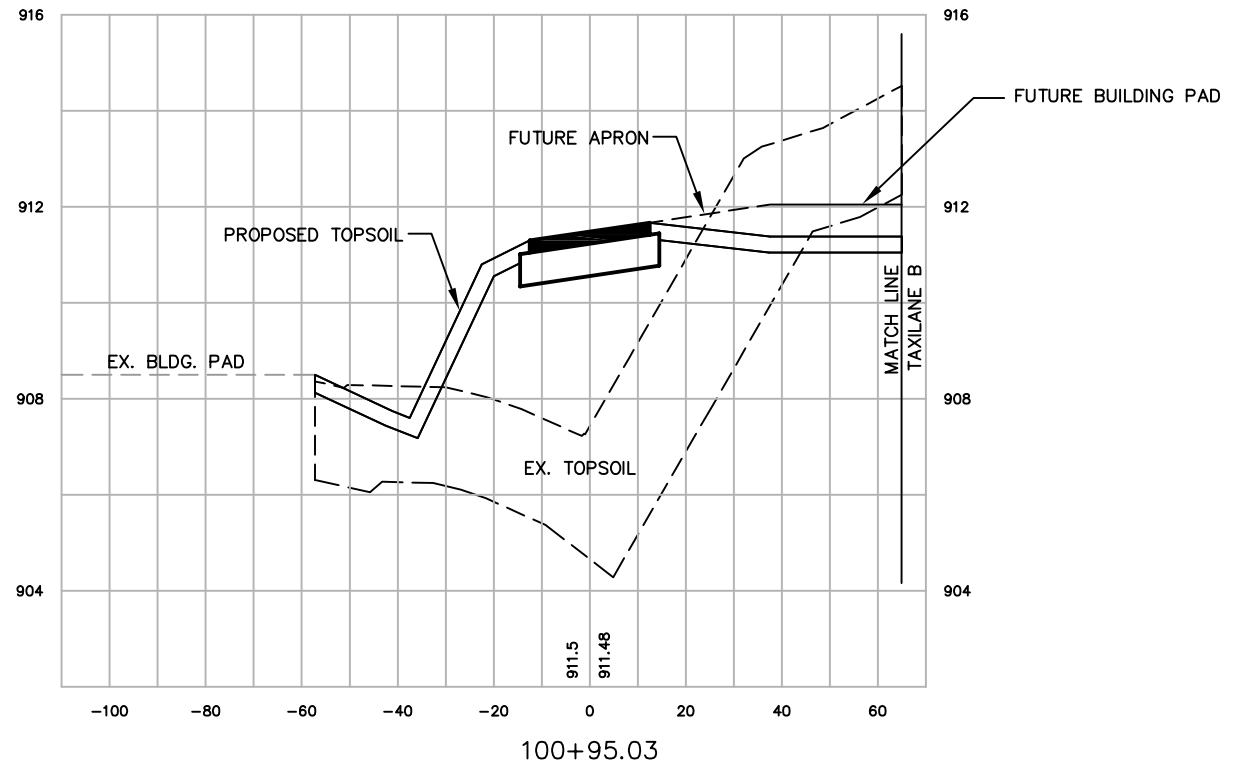
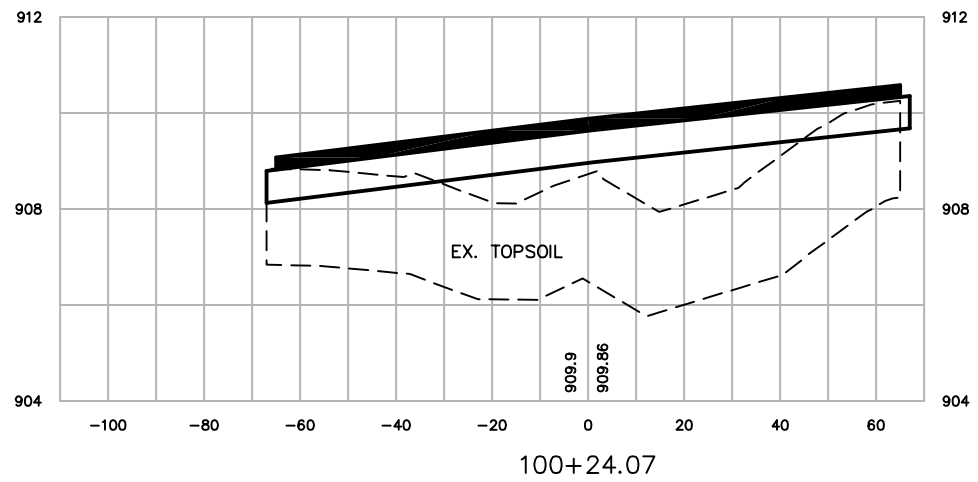
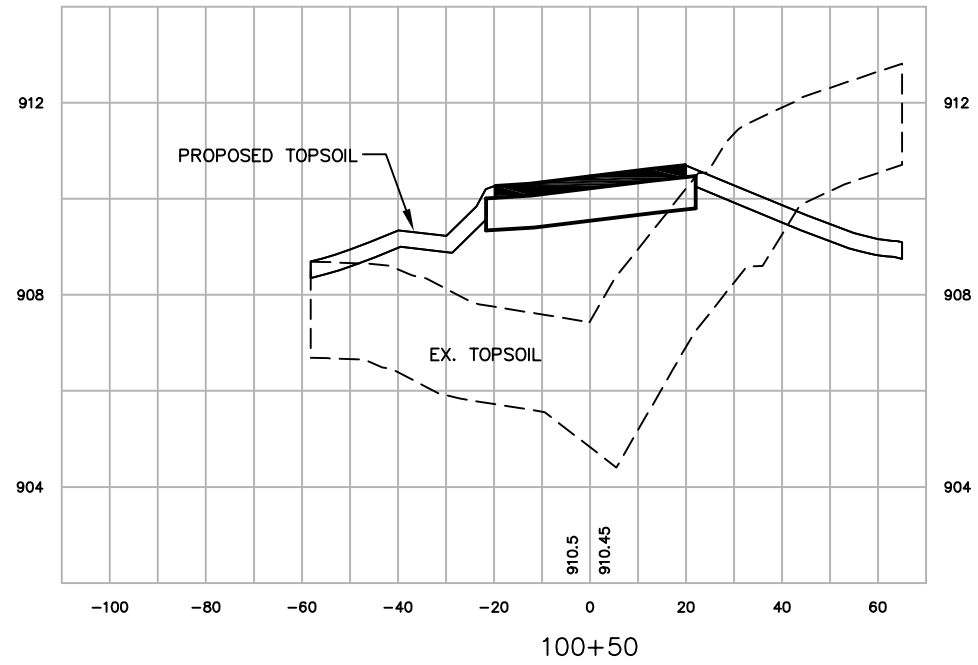
|   |  |                |          |           |  |                |         |
|---|--|----------------|----------|-----------|--|----------------|---------|
| Waukesha County Airport                 |  | DATE           | \$DATE\$ | DESIGNED  |  | MJK            | INITIAL |
| <b>HANGAR AREA</b>                      |  |                |          | DRAWN     |  | MJK            | MJK     |
| <b>EXISTING CONTOURS &amp; REMOVALS</b> |  |                |          | CHECKED   |  | GAS            |         |
| A.I.P. PROJECT NO.                      |  | 3-55-0090-22   |          | JOB NO.   |  | 23099-90-04004 |         |
| DWG NO.                                 |  | 9004004102.dwg |          | SHEET NO. |  | 83 of 130      |         |
| Waukesha County Airport                 |  | MEAD & HUNT    |          | NO.       |  | REVISION       |         |
| Waukesha County Airport                 |  | AS-BUILT       |          | DATE      |  | 12/08          |         |
| Waukesha County Airport                 |  | NO.            |          | DATE      |  | 12/08          |         |
| Waukesha County Airport                 |  | NO.            |          | DATE      |  | 12/08          |         |

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|  |             |               |          |          |  |
|--|-------------|---------------|----------|----------|--|
| Waukesha County Airport                                      |             | DATE \$DATE\$ |          | INITIAL  |  |
| <b>HANGAR AREA<br/>PROPOSED CONTOURS<br/>ALTERNATE NO. 1</b> |             | DESIGNED MJK  |          | MJK      |  |
| A.I.P. PROJECT NO.<br>3-55-0090-22                           | DRAWN MJK   |               |          |          |  |
| JOB NO.<br>23099-90-04004                                    | CHECKED GAS |               |          |          |  |
| DWG NO.<br>9004004103.dwg                                    |             |               |          |          |  |
| SHEET NO.<br>84 of 129                                       |             |               |          |          |  |
|  |             | NO. 12/08     | AS-BUILT | REVISION |  |
|  |             |               |          |          |  |

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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |
|     |       |          |         |
|     |       |          |         |
|     |       |          |         |

MEAD HUNT

WAUKESHA COUNTY AIRPORT

| DATE | DATE\$ | DESIGNED | MJK |
|------|--------|----------|-----|
|      |        |          |     |
|      |        |          |     |
|      |        |          |     |

WAUKESHA COUNTY AIRPORT  
HANGAR AREA  
CROSS SECTIONS  
TAXILANE A

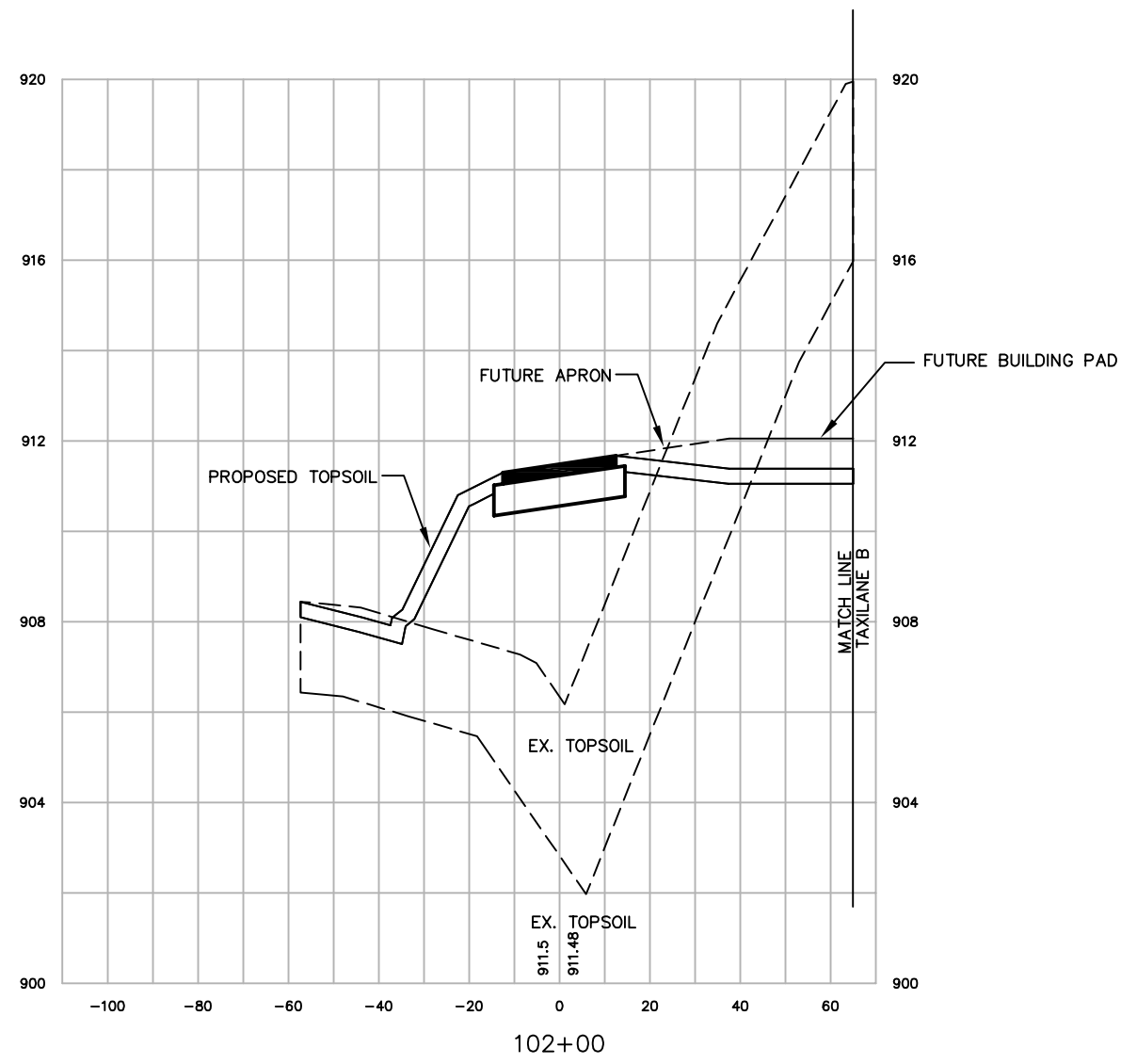
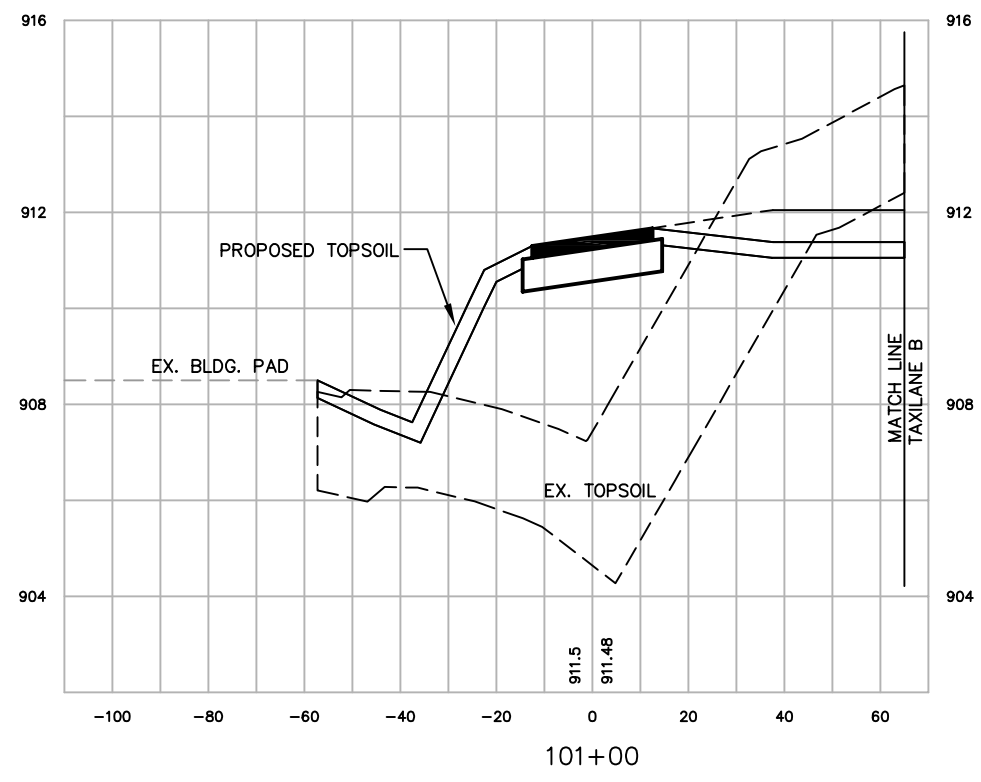
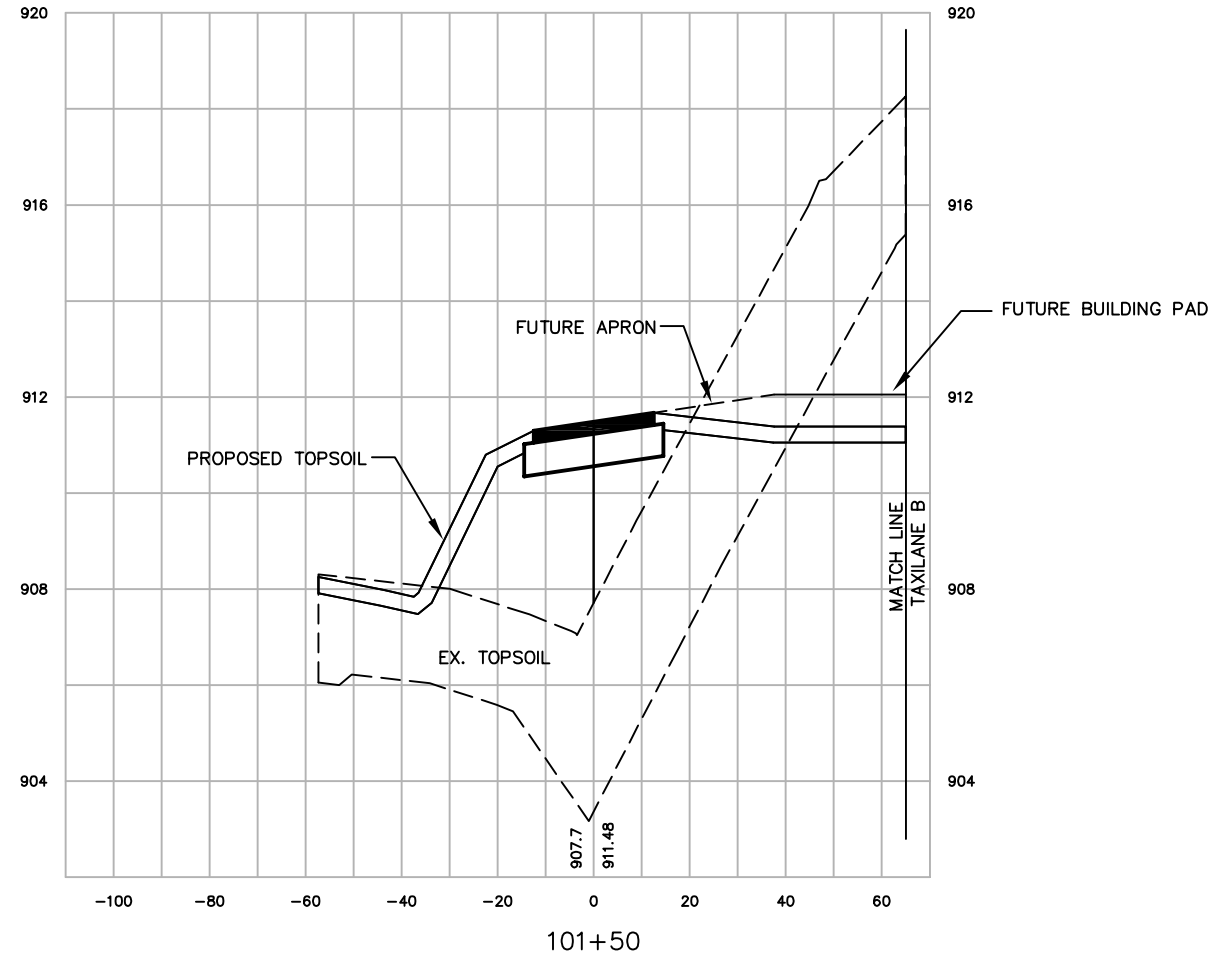
A.I.P. PROJECT NO  
3-55-0090-22

JOB NO.  
23099-90-04004

DWG NO.  
9004004108.dwg

SHEET NO.  
85 of 130

x:\23099-90\06017\tech\cadd\drawings\AS-BUILTS\HANGAR AREA\23099-90-04004 Land\_Desktop\dwg\23099-90-04004108.dwg



SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |

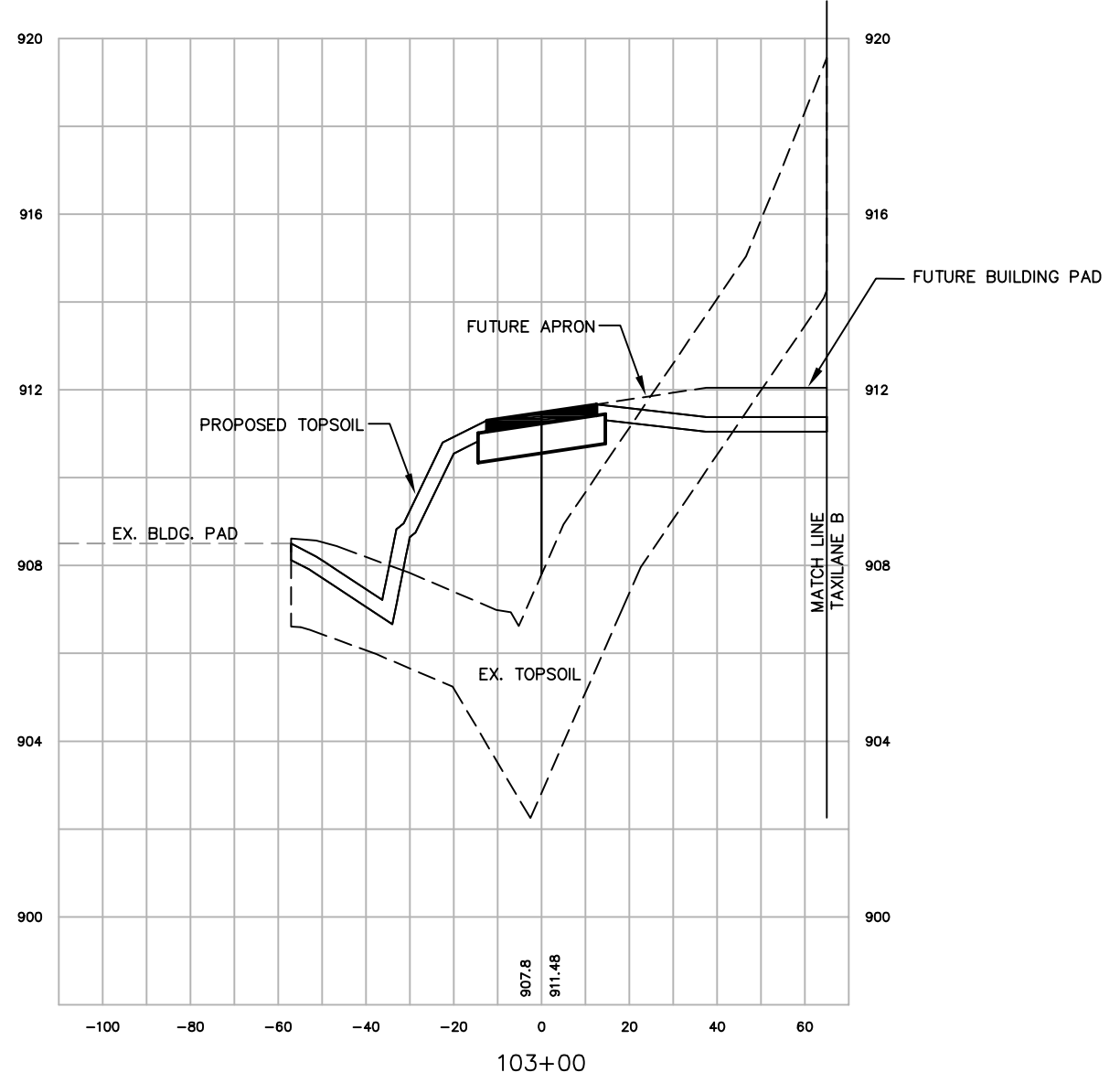
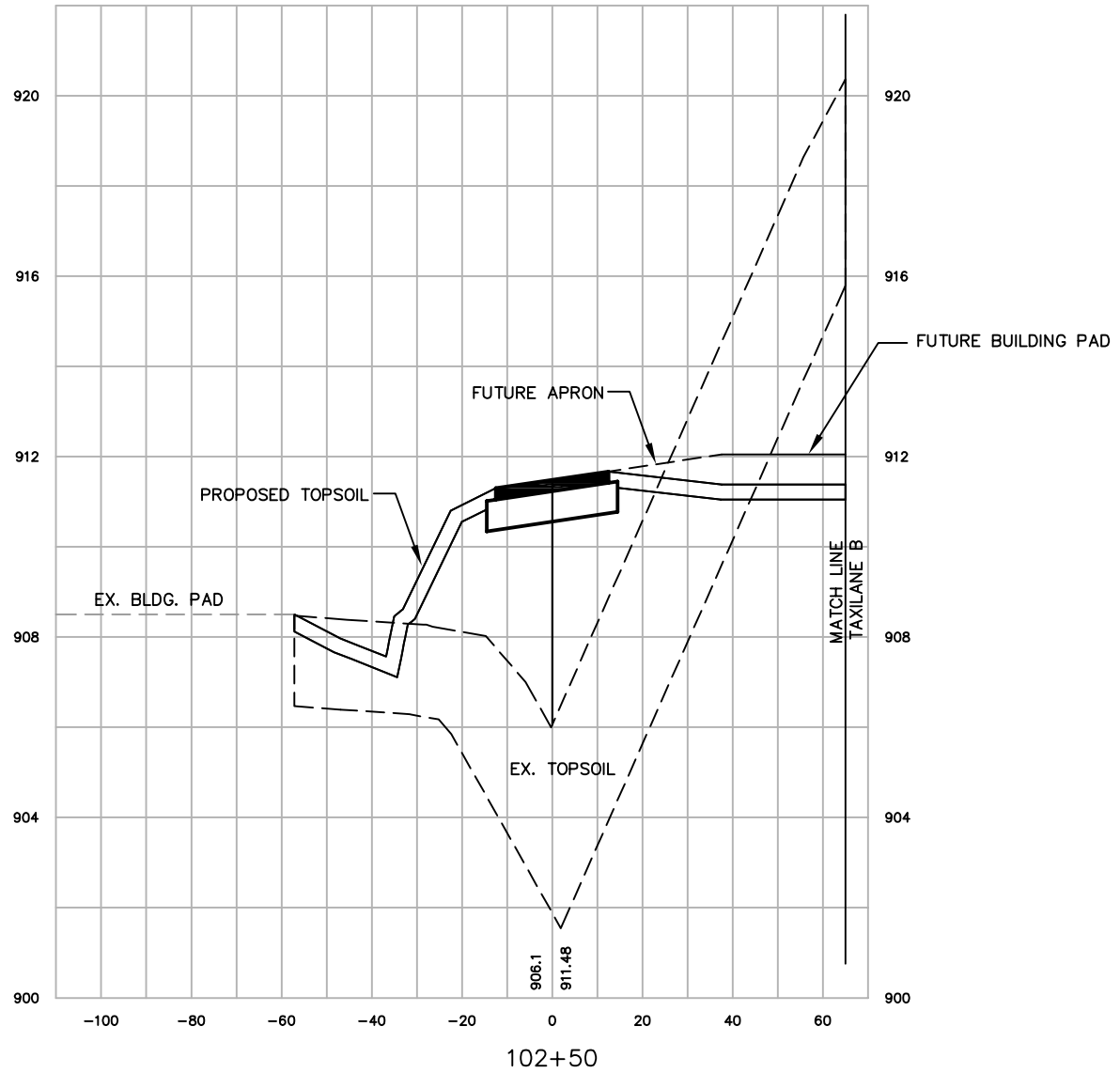


| DATE | \$DATE\$ | DESIGNED | MJK |
|------|----------|----------|-----|
|      |          | DRAWN    | MJK |
|      |          | CHECKED  | GAS |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
TAXILANE A**

|                                    |
|------------------------------------|
| A.I.P. PROJECT NO.<br>3-55-0090-22 |
| JOB NO.<br>23099-90-04004          |
| DWG NO.<br>9004004108.dwg          |
| SHEET NO.<br>86 of 130             |

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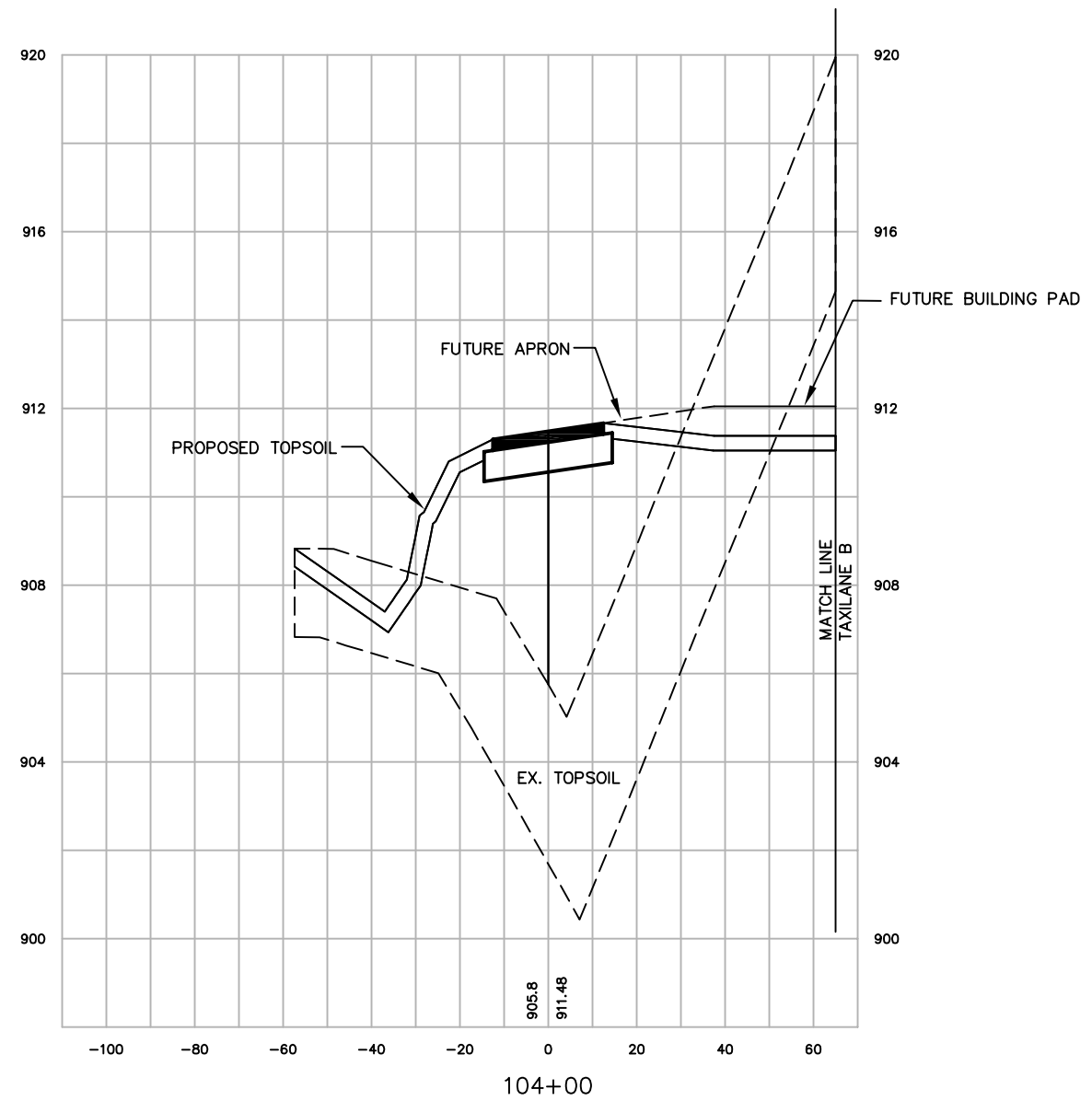
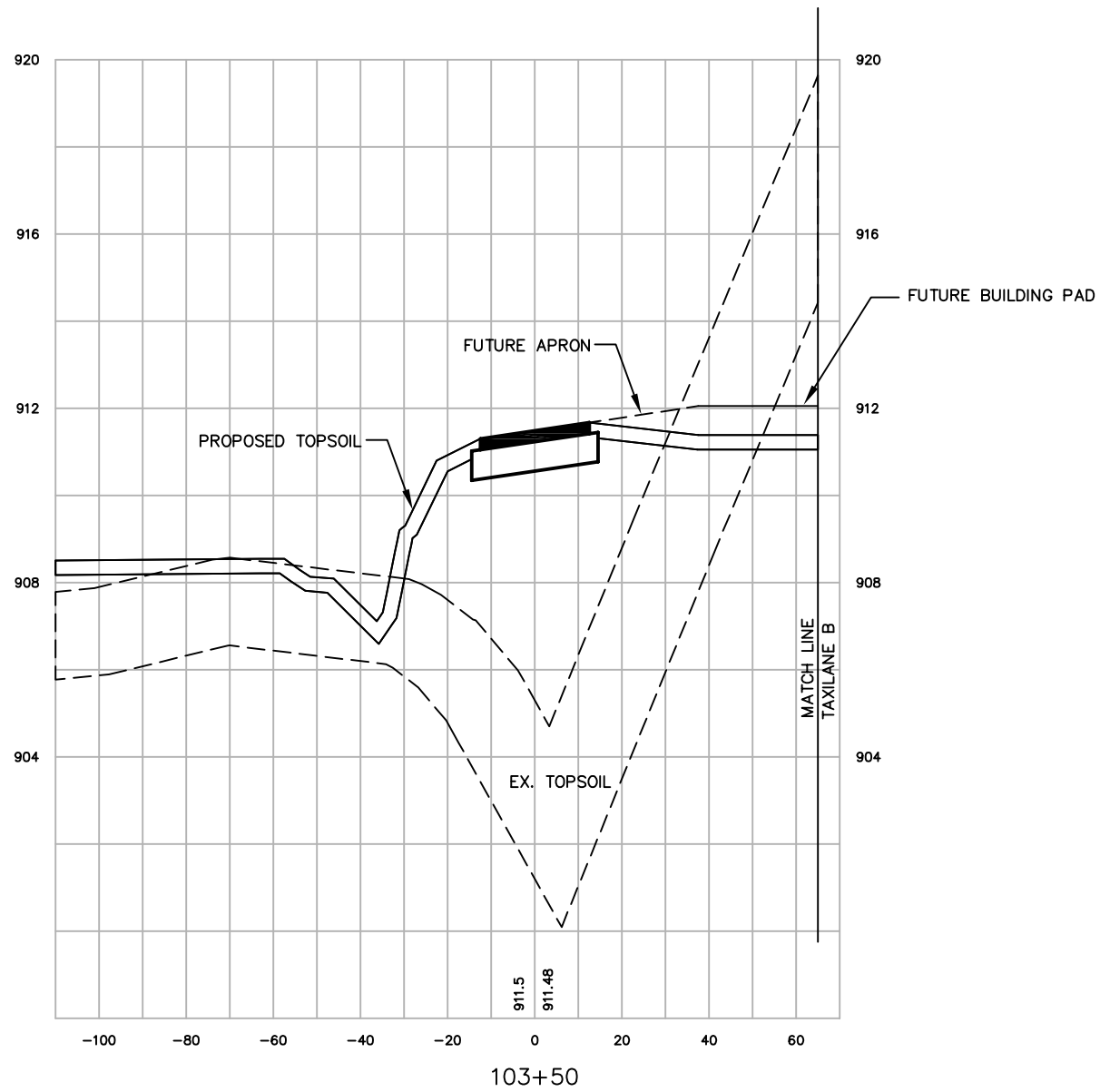
SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

|   |  |   |                            |                           |                |
|---|--|---|----------------------------|---------------------------|----------------|
| WAUKESHA COUNTY AIRPORT<br><b>HANGAR AREA<br/>                 CROSS SECTIONS<br/>                 TAXILANE A</b> |  | DATE \$DATE\$<br>DESIGNED MJK<br>DRAWN MJK<br>CHECKED GAS | NO. 12/08<br>DATE AS-BUILT | REVISION                  | INITIAL<br>MJK |
| A.I.P. PROJECT NO.<br>3-55-0090-22  |  | JOB NO.<br>23099-90-04004                                 |                            | DWG NO.<br>9004004108.dwg |                |
| SHEET NO.<br>87 of 130  |  |   |                            |                           |                |



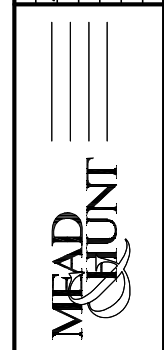


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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |
|     |       |          |         |
|     |       |          |         |
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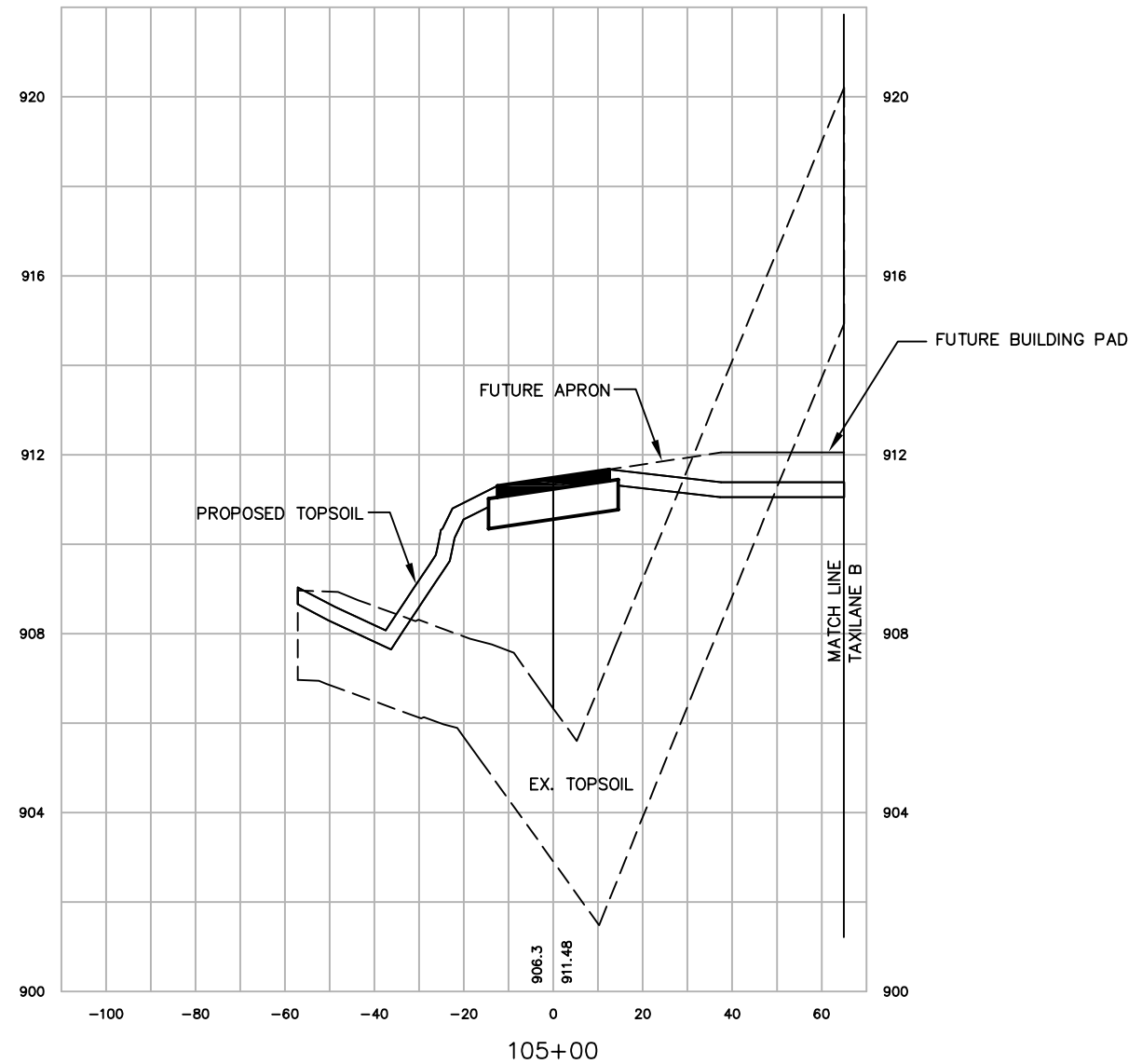
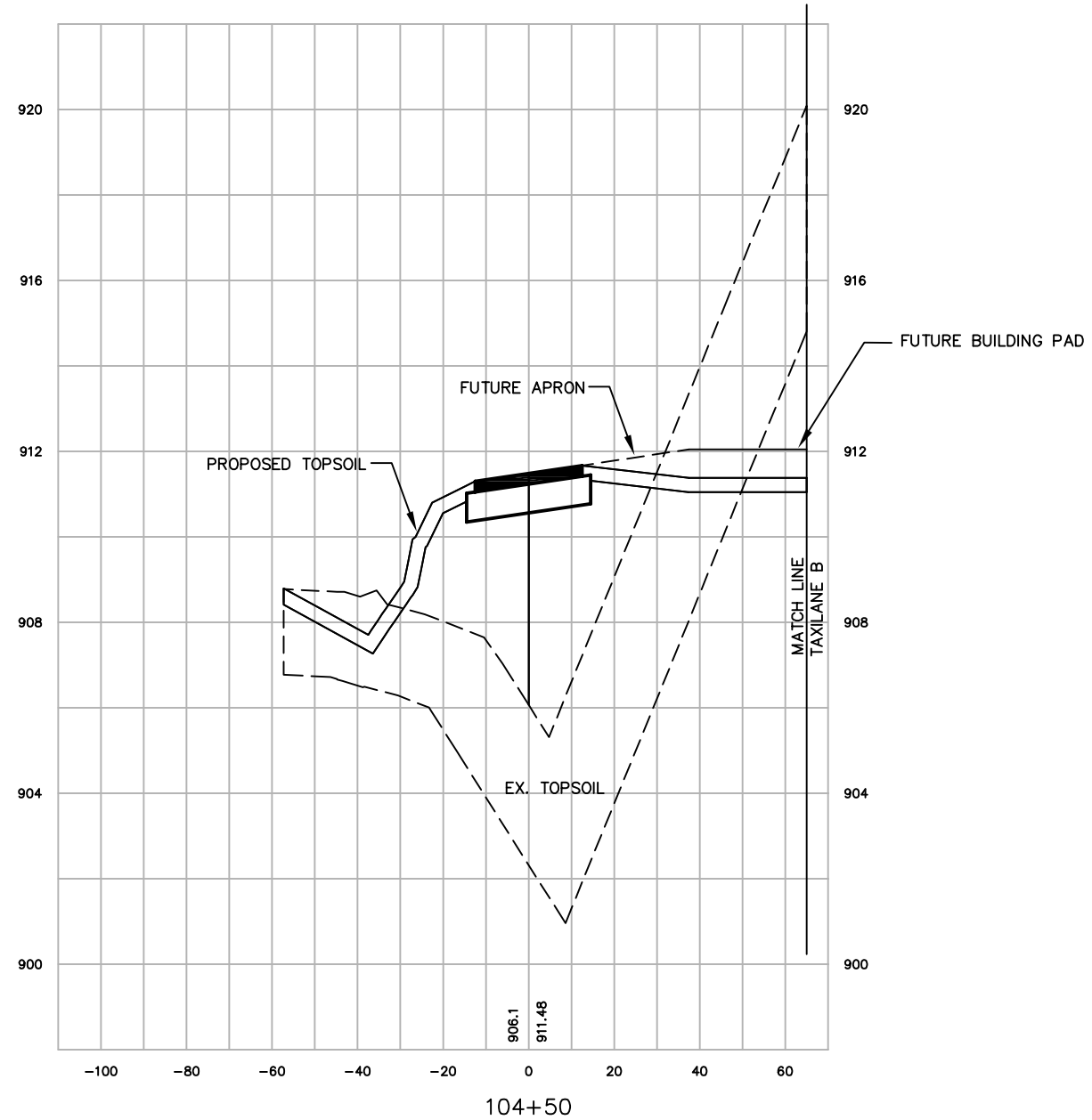


|          |          |
|----------|----------|
| DATE     | \$DATE\$ |
| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
TAXILANE A**

|                    |                |
|--------------------|----------------|
| A.I.P. PROJECT NO. | 3-55-0090-22   |
| JOB NO.            | 23099-90-04004 |
| DWG NO.            | 9004004108.dwg |
| SHEET NO.          | 88 of 130      |

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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |
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|     |       |          |         |
|     |       |          |         |

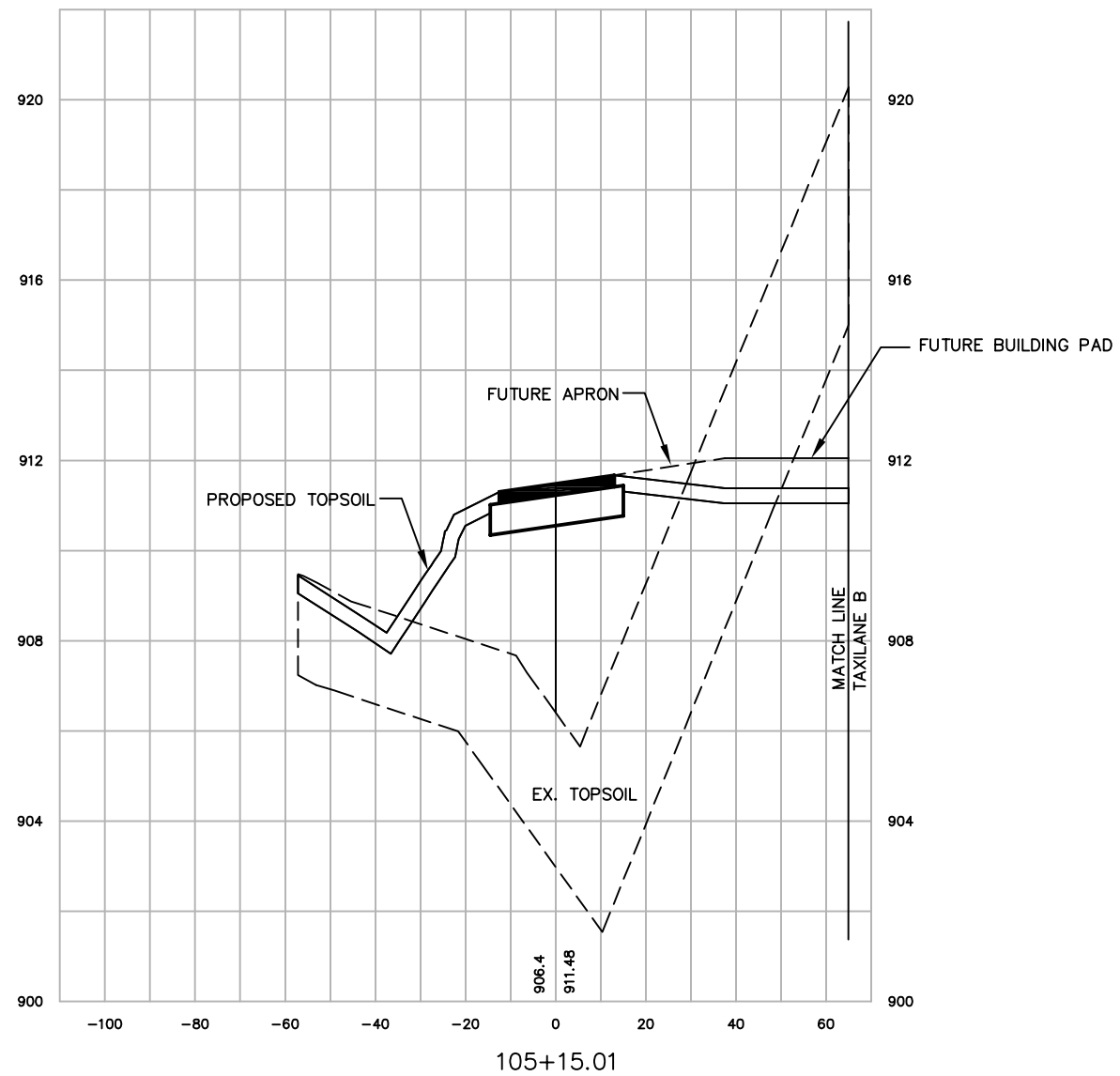
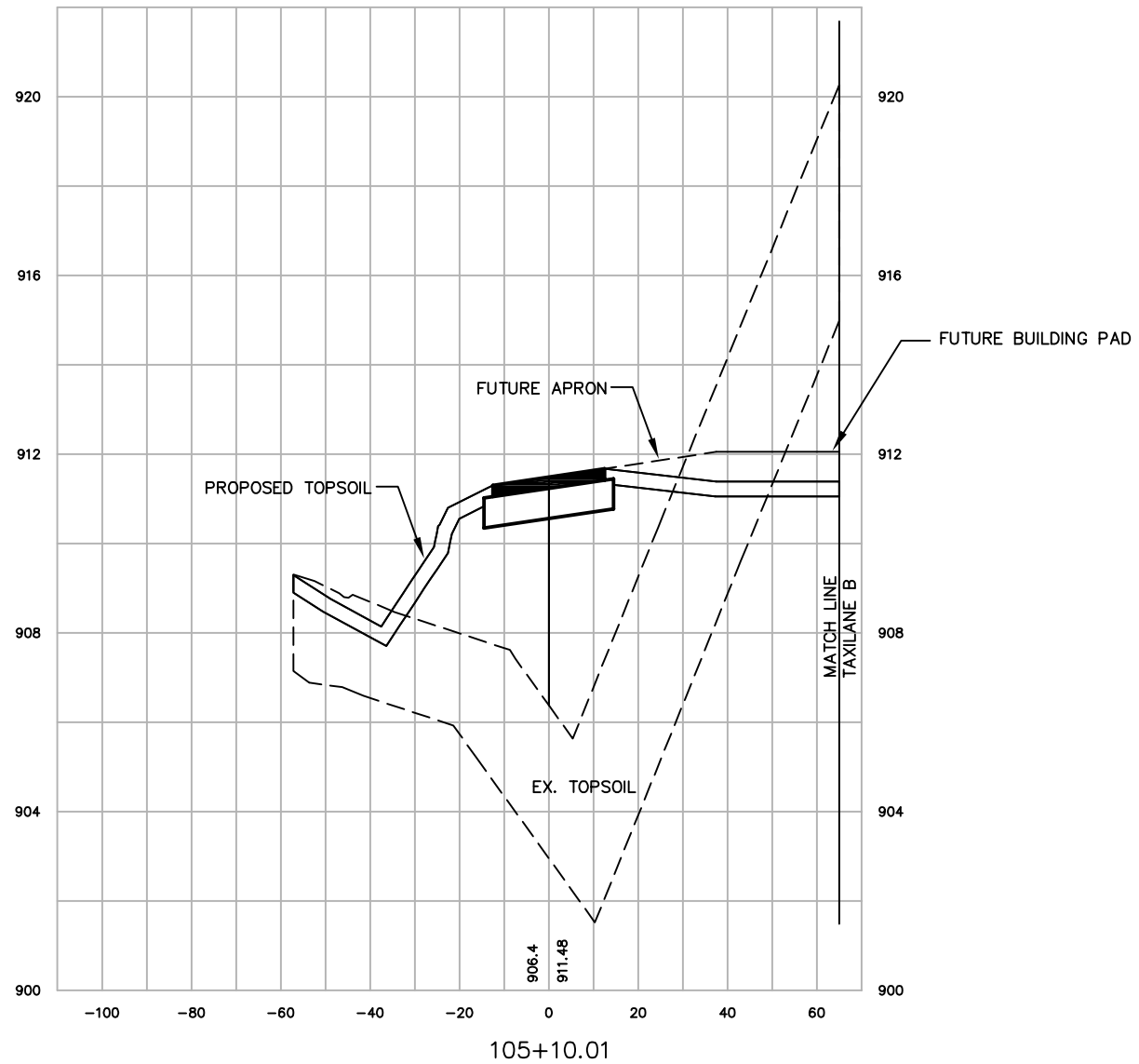


|          |          |
|----------|----------|
| DATE     | \$DATE\$ |
| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
TAXILANE A**

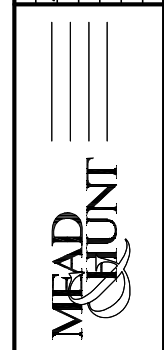
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| JOB NO.            | 23099-90-04004 |
| DWG NO.            | 9004004108.dwg |
| SHEET NO.          | 89 of 130      |

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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |
|     |       |          |         |
|     |       |          |         |
|     |       |          |         |



|          |          |
|----------|----------|
| DATE     | \$DATE\$ |
| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
TAXILANE A**

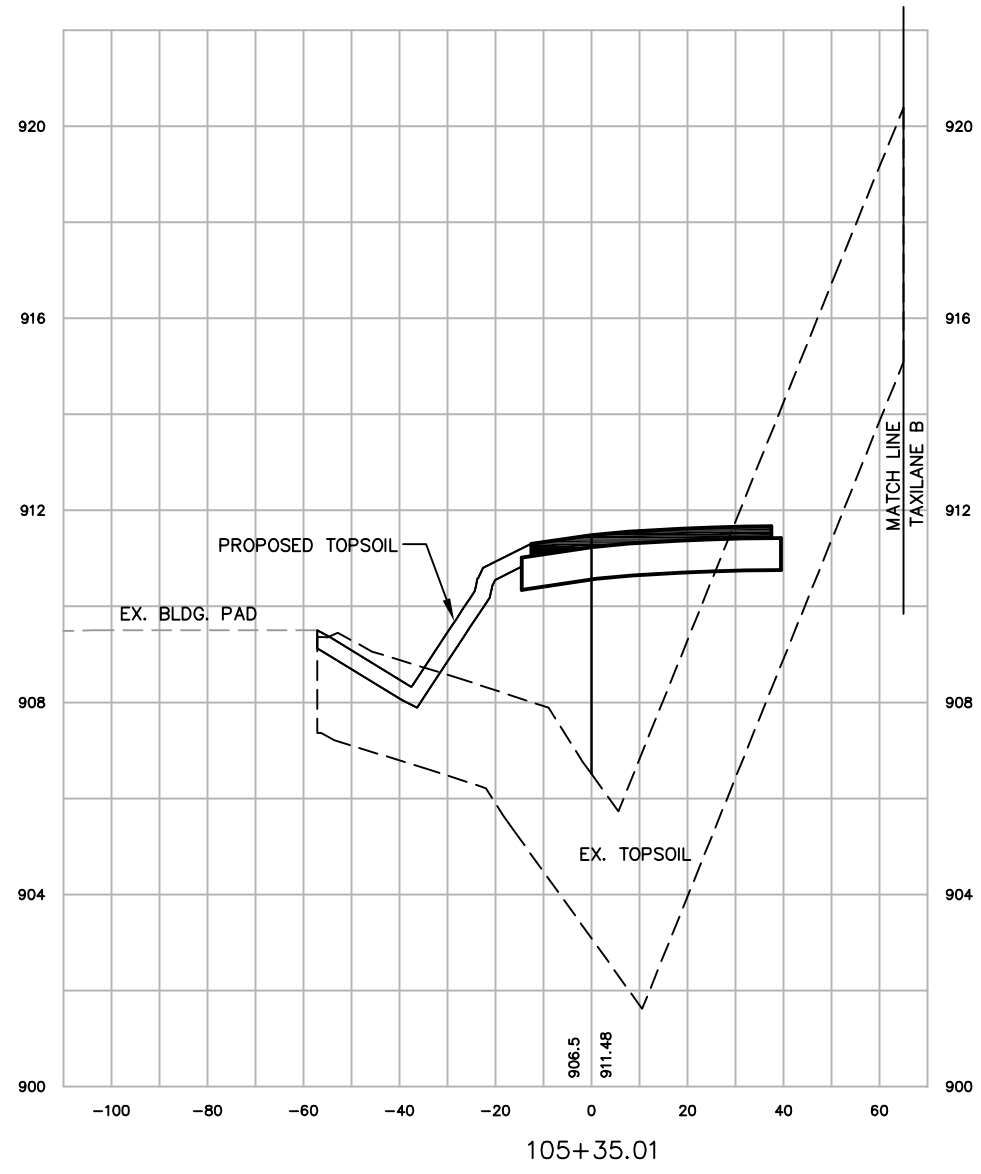
A.I.P. PROJECT NO.  
3-55-0090-22

JOB NO.  
23099-90-04004

DWG NO.  
9004004108.dwg

SHEET NO.  
90 of 130

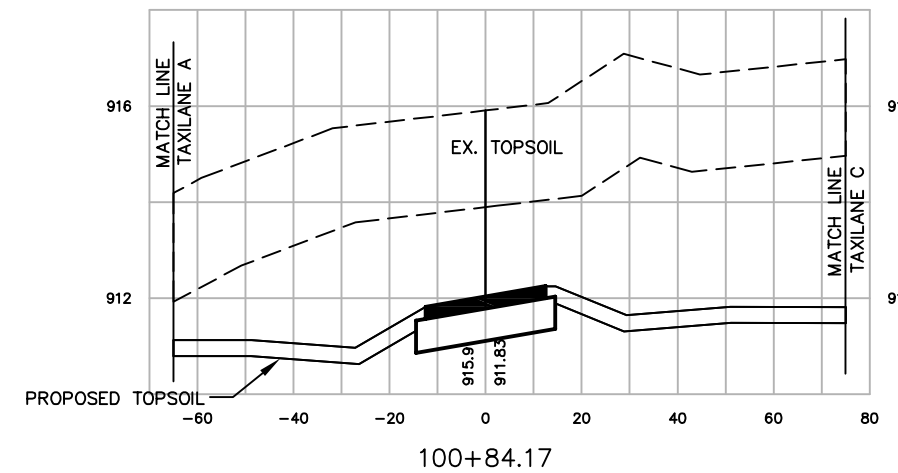
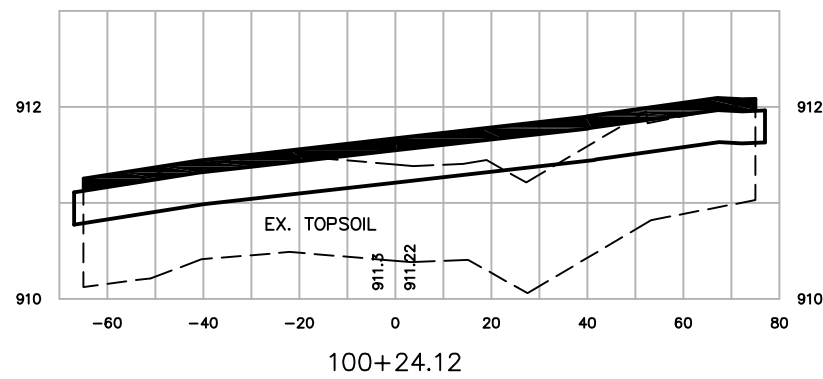
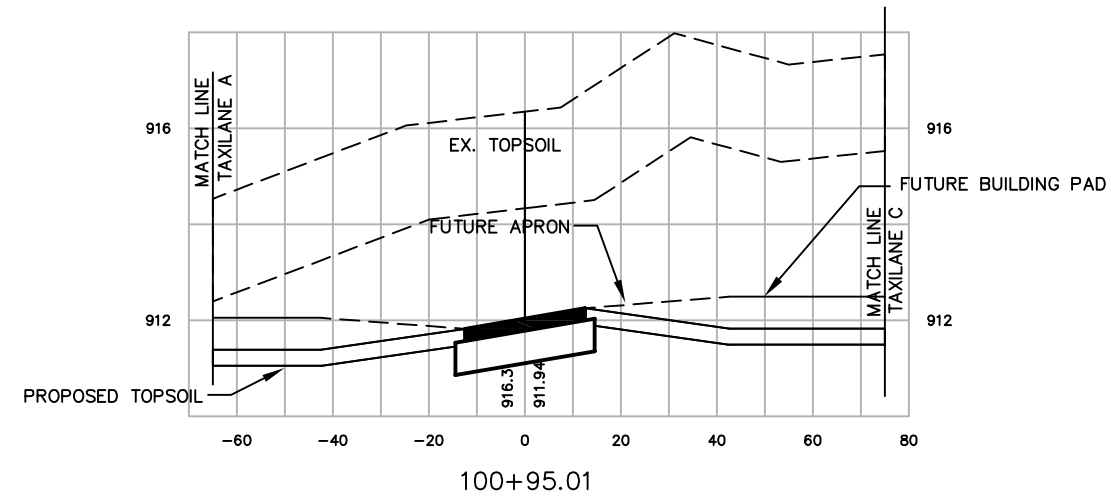
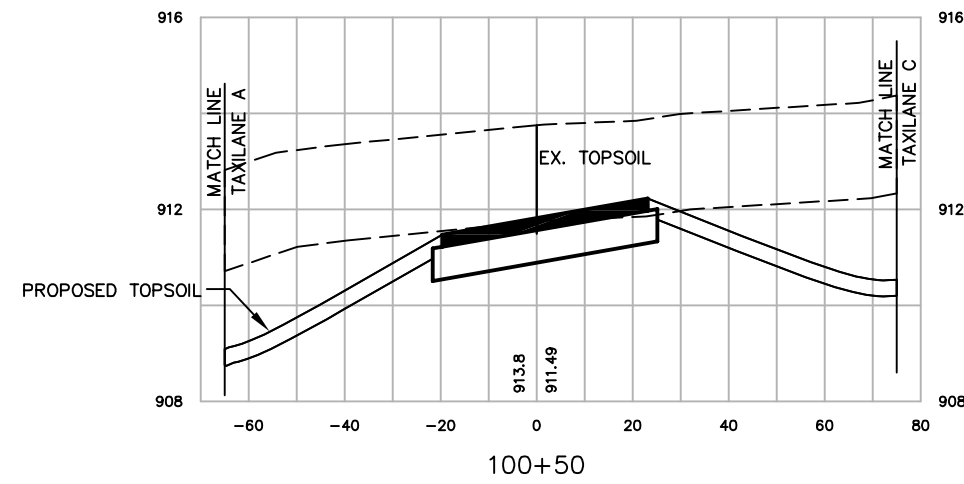
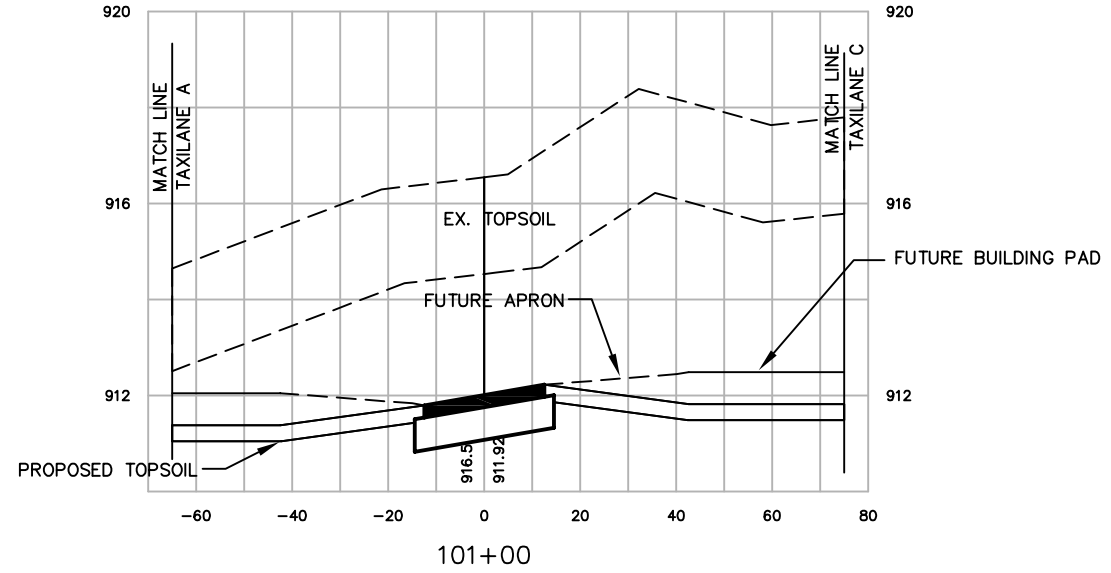
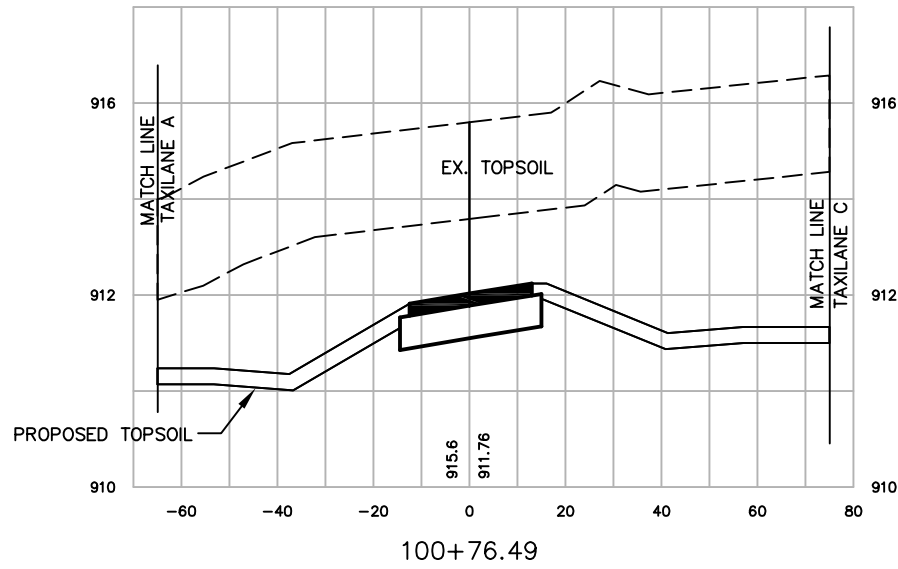
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SCALE:  
 VERT. 1"=4'  
 HORIZ. 1"=40'

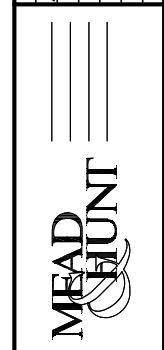
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|---|--|---|----------------|---------------------------|-----------------------|------------------------|----------------|
| WAUKESHA COUNTY AIRPORT<br><b>HANGAR AREA<br/>         CROSS SECTIONS<br/>         TAXILANE A</b> |  | DATE \$DATE\$<br>DESIGNED MJK<br>DRAWN MJK<br>CHECKED GAS | MEAD<br>& HUNT | WAUKESHA COUNTY AIRPORT   | NO. 12/08<br>AS-BUILT | REVISION               | INITIAL<br>MJK |
| A.I.P. PROJECT NO.<br>3-55-0090-22  |  | JOB NO.<br>23099-90-04004                                 |                | DWG NO.<br>9004004108.dwg |                       | SHEET NO.<br>91 of 130 |                |

X:\23099-90\06017\tech\cadd\drawings\AS-BUILTS\HANGAR AREA\23099-90-04004 Land\_Desktop\dwg\23099-90-04004109.dwg



SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |

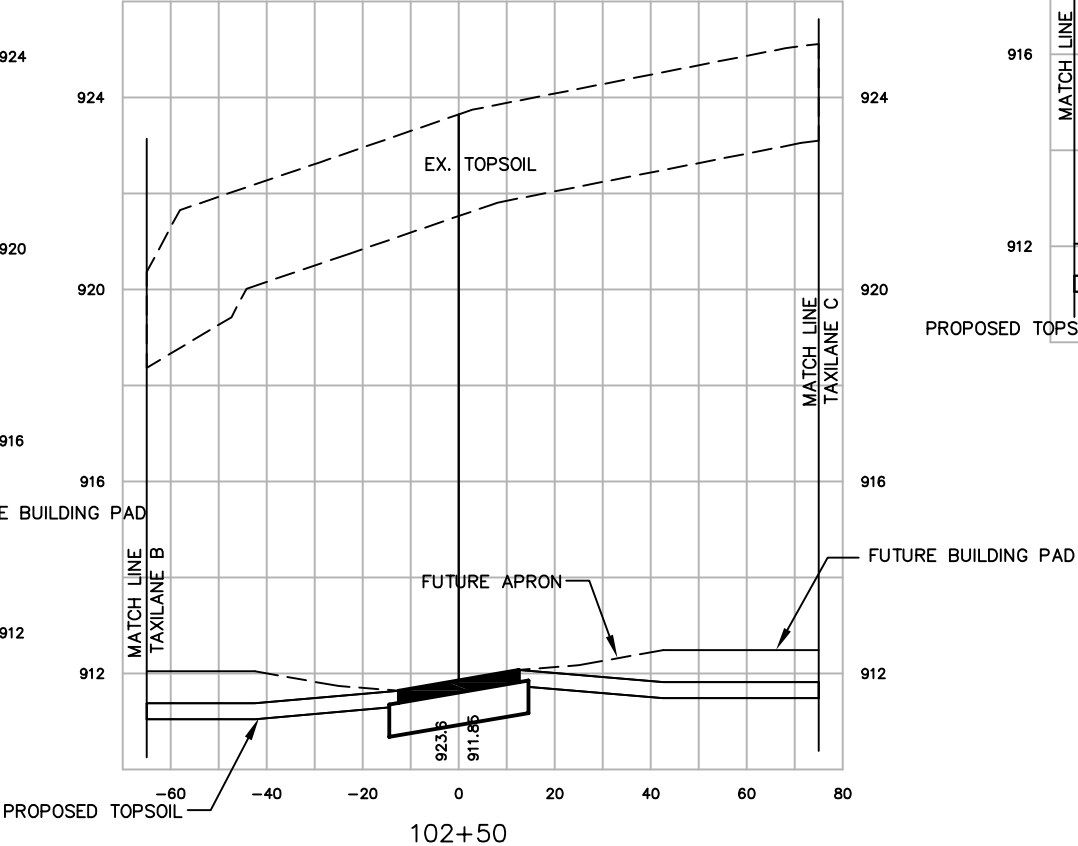
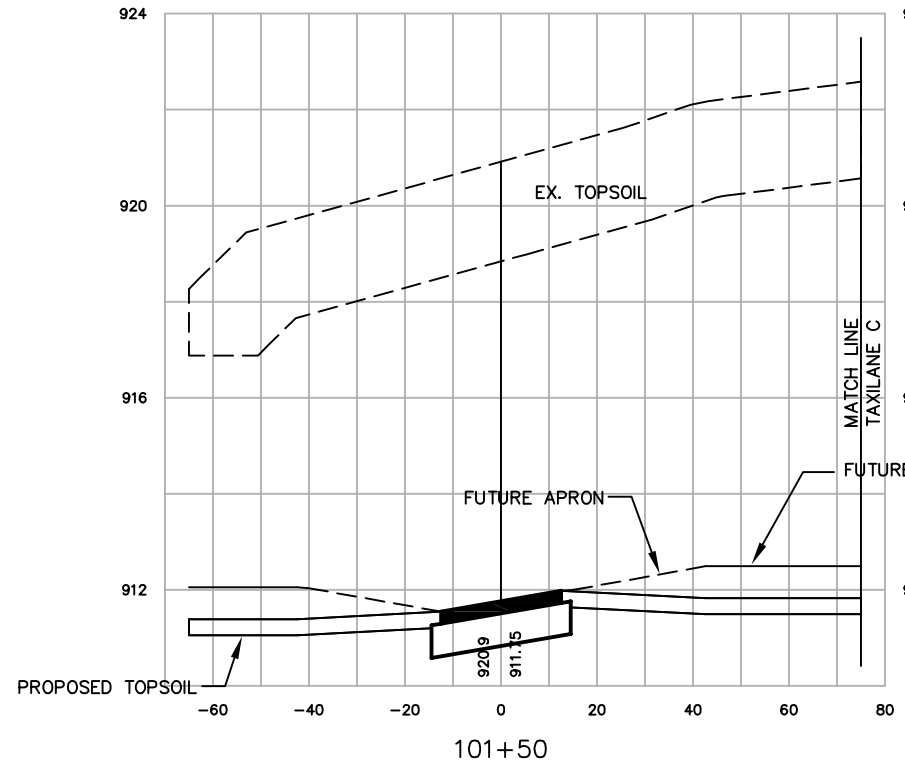
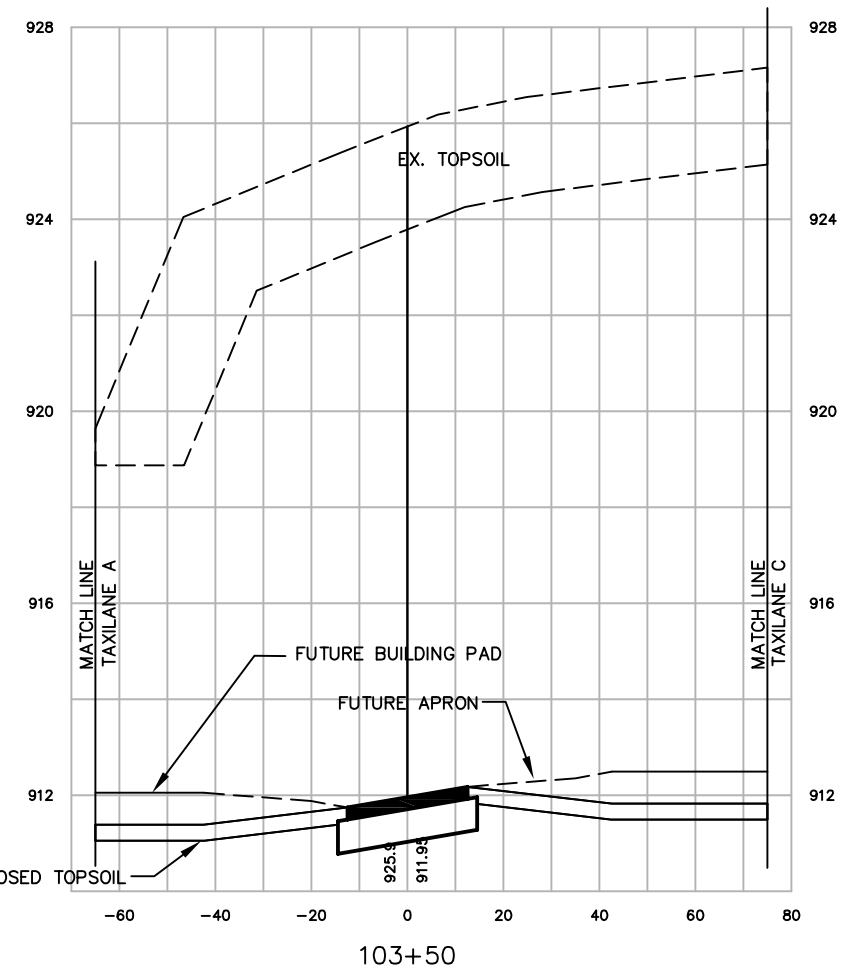
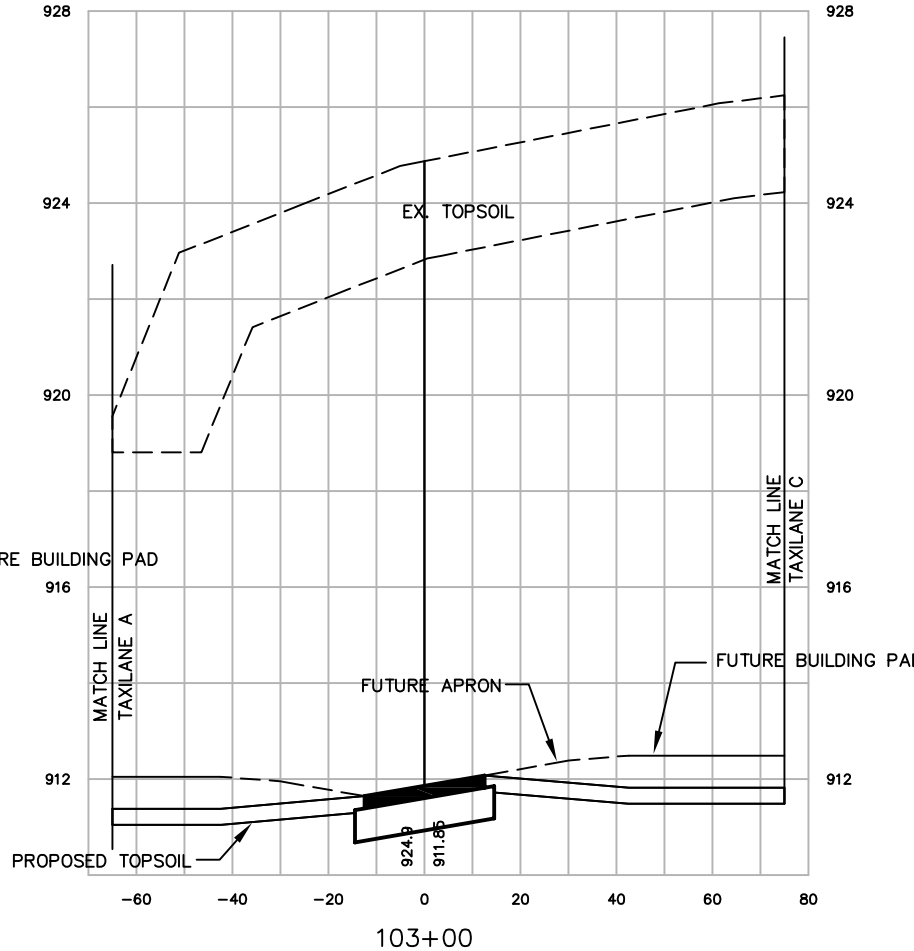
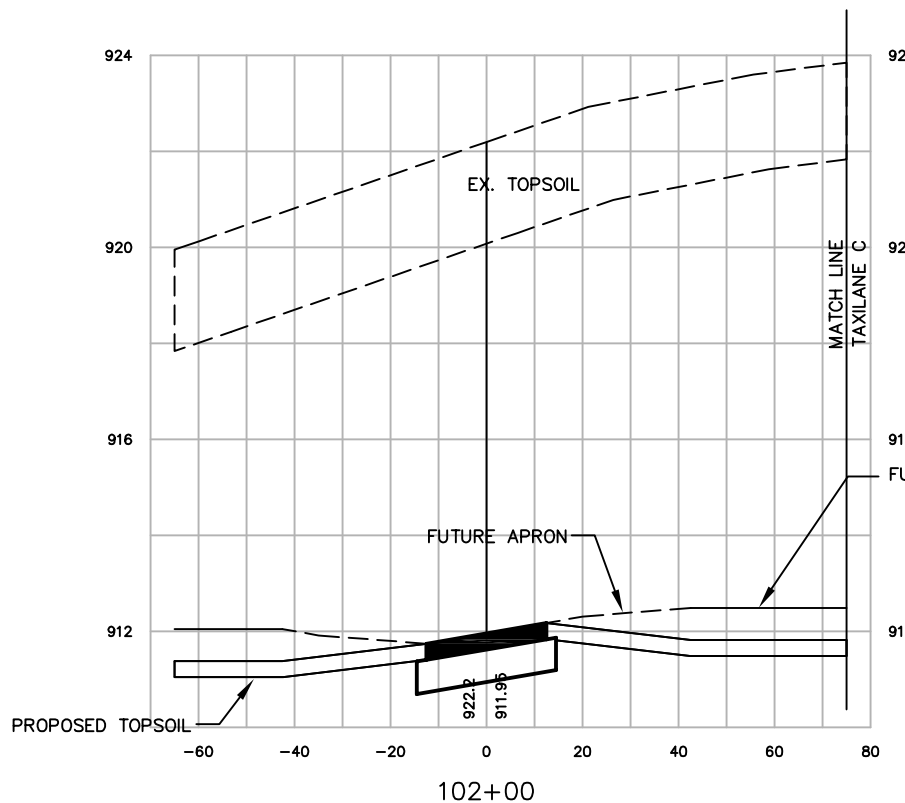


| DATE | \$DATE\$ | DESIGNED | MJK |
|------|----------|----------|-----|
|      |          | DRAWN    | MJK |
|      |          | CHECKED  | GAS |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
TAXILANE B**

|                    |                |
|--------------------|----------------|
| A.I.P. PROJECT NO. | 3-55-0090-22   |
| JOB NO.            | 23099-90-04004 |
| DWG NO.            | 9004004109.dwg |
| SHEET NO.          | 92 of 130      |

X:\23099-90\06017\tech\cadd\drawings\AS-BUILTS\HANGAR AREA\23099-90-04004\_Land\_Desktop\dwg\23099-90-04004109.dwg



SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |

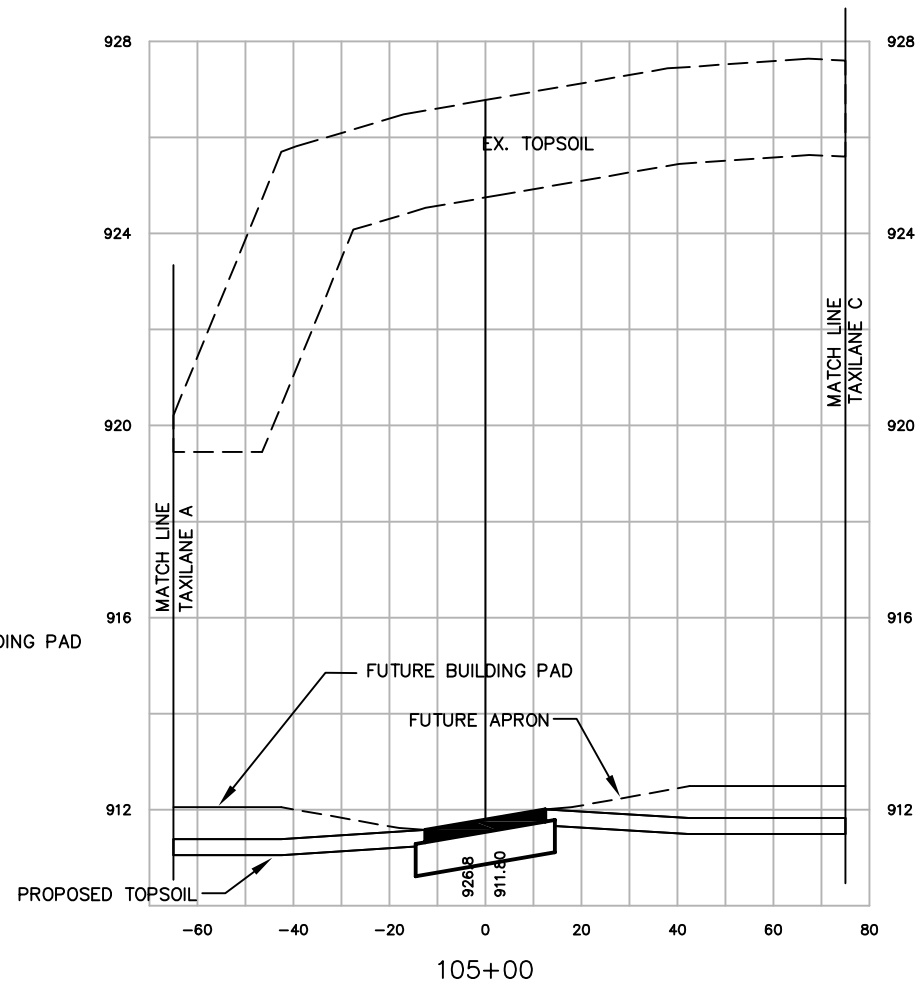
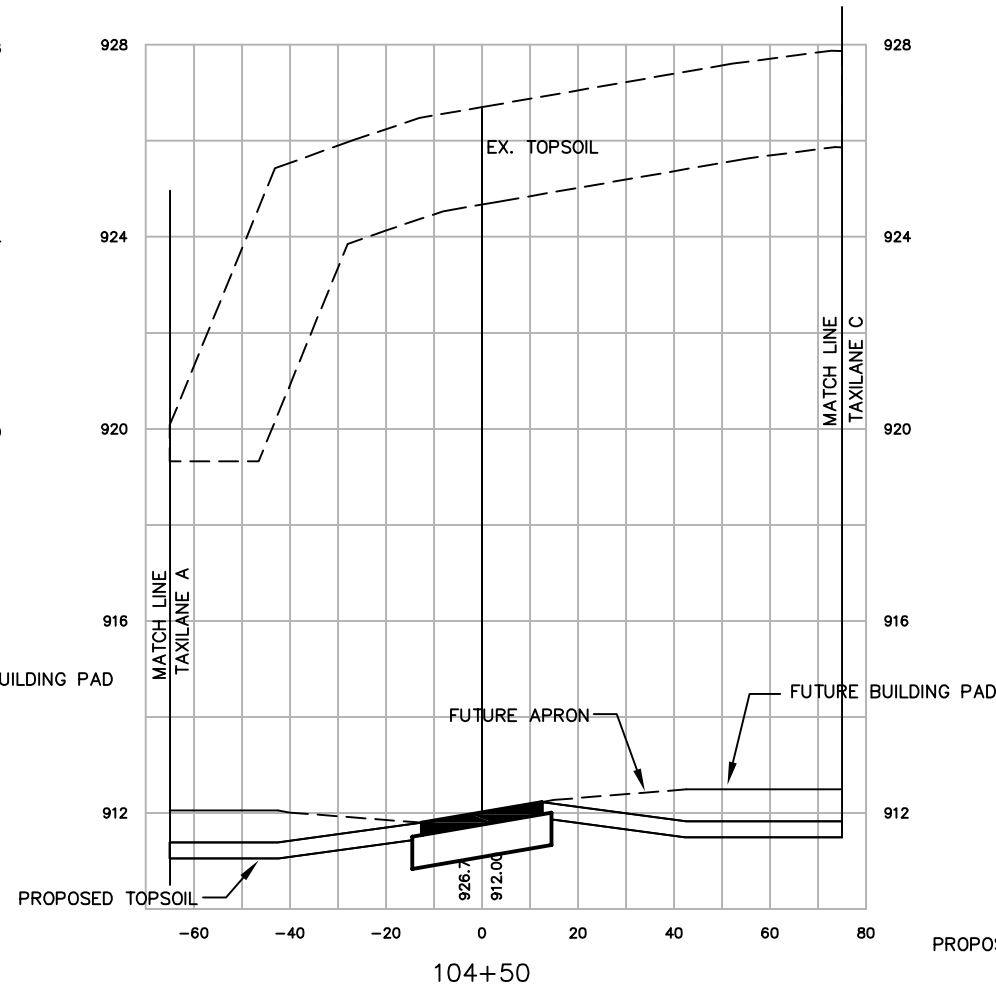
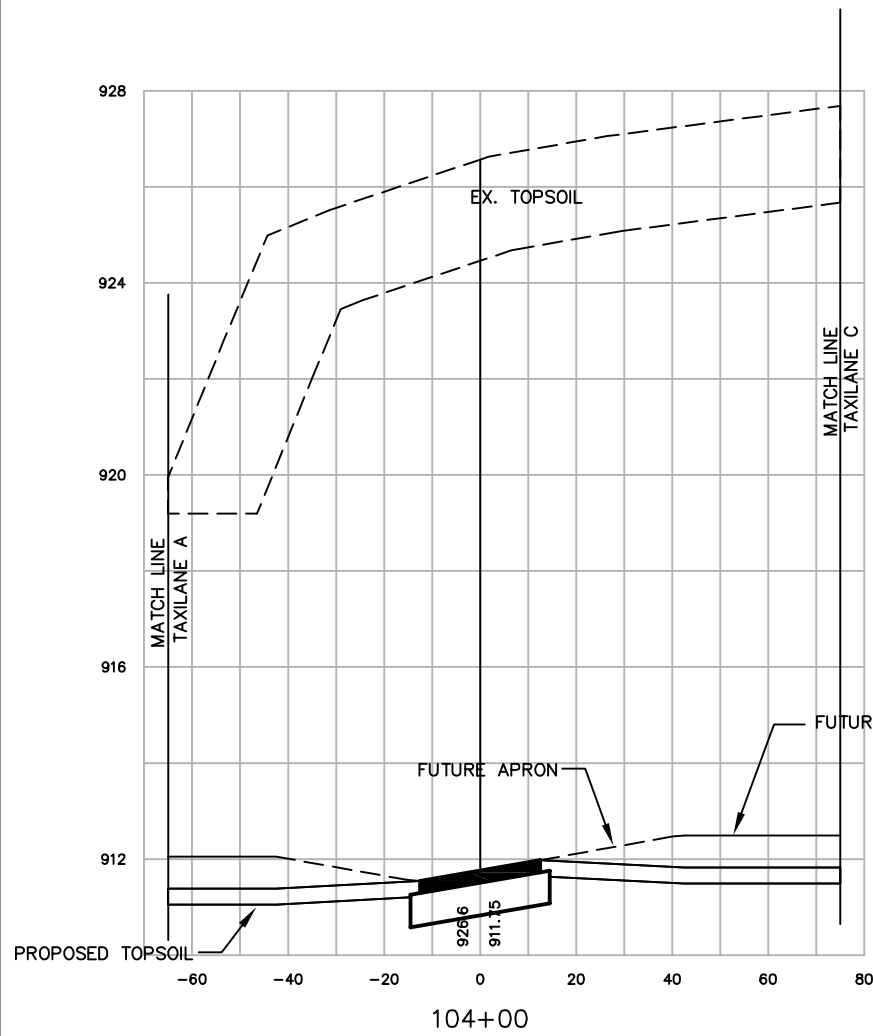


| DATE | \$DATE\$ | DESIGNED | MJK |
|------|----------|----------|-----|
|      |          | DRAWN    | MJK |
|      |          | CHECKED  | GAS |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
TAXILANE B**

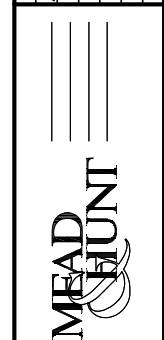
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| A.I.P. PROJECT NO.<br>3-55-0090-22 |
| JOB NO.<br>23099-90-04004          |
| DWG NO.<br>9004004109.dwg          |
| SHEET NO.<br>93 of 130             |

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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |

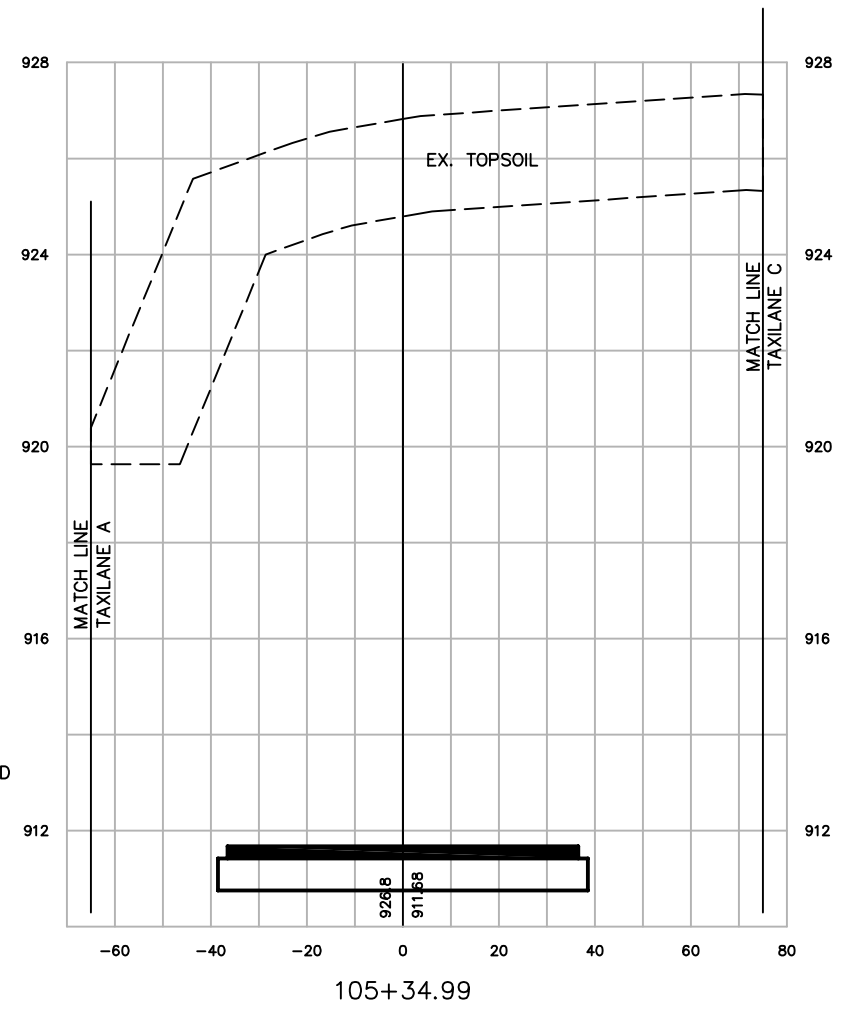
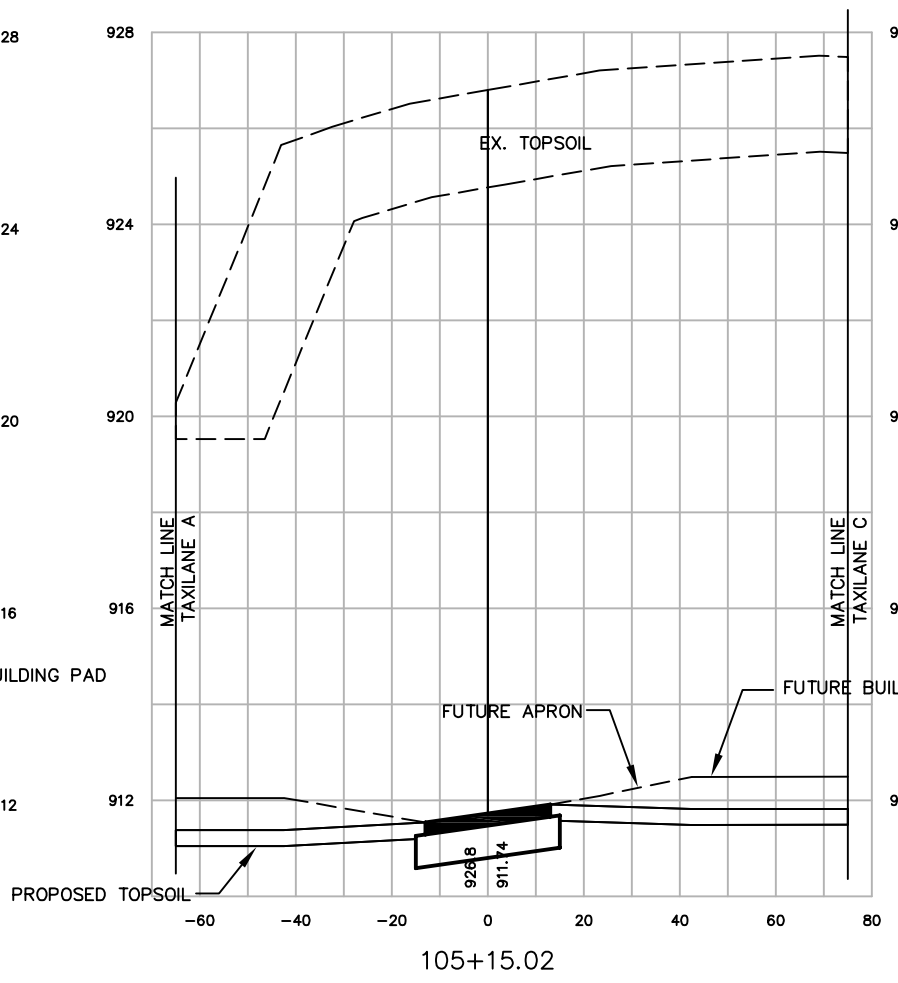
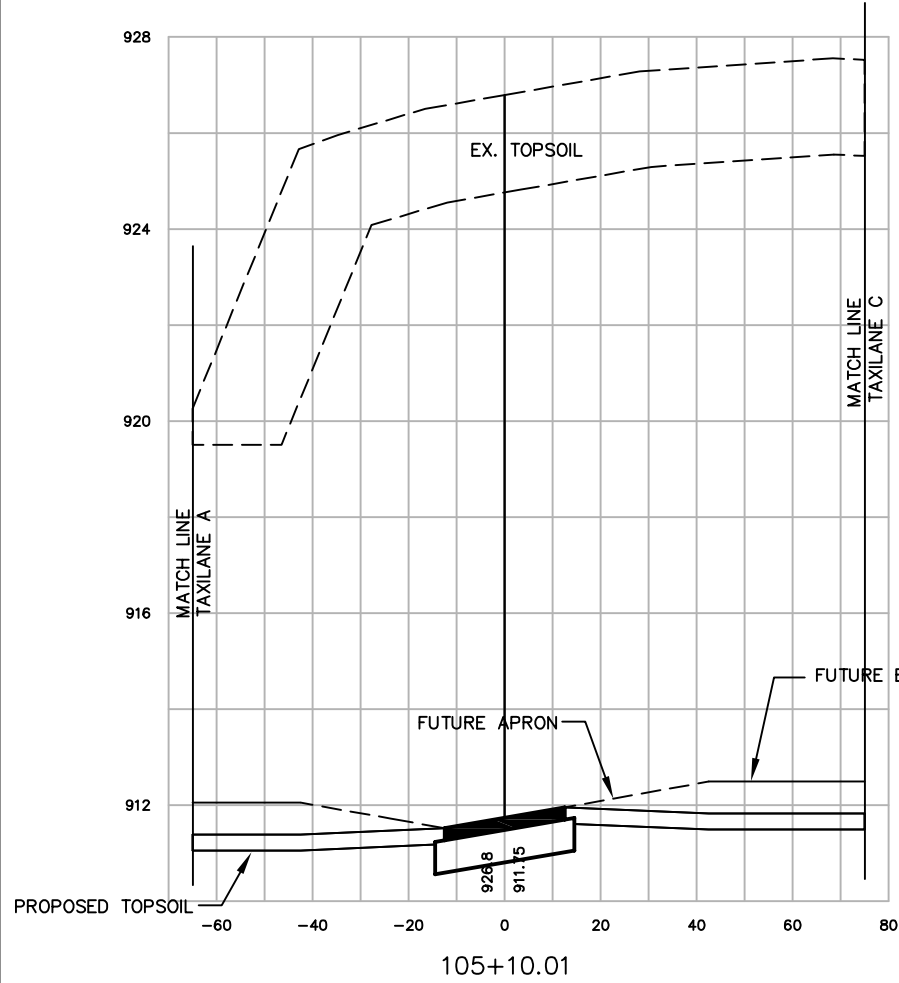


| DATE | \$DATE\$ | DESIGNED | MJK |
|------|----------|----------|-----|
|      |          | DRAWN    | MJK |
|      |          | CHECKED  | GAS |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
TAXILANE B**

|                                    |
|------------------------------------|
| A.I.P. PROJECT NO.<br>3-55-0090-22 |
| JOB NO.<br>23099-90-04004          |
| DWG NO.<br>9004004109.dwg          |
| SHEET NO.<br>94 of 130             |

X:\23099-90\06017\tech\cadd\drawings\AS-BUILTS\HANGAR AREA\23099-90-04004 Land\_Desktop\dwg\23099-90-04004109.dwg

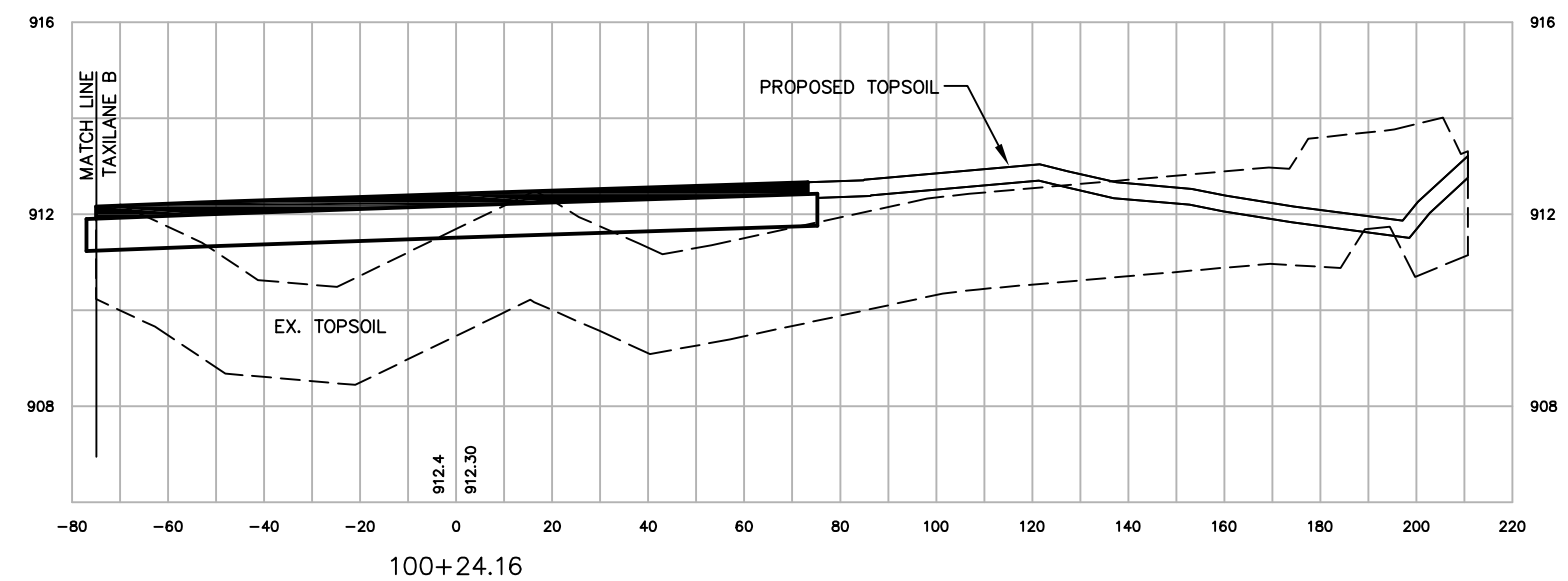
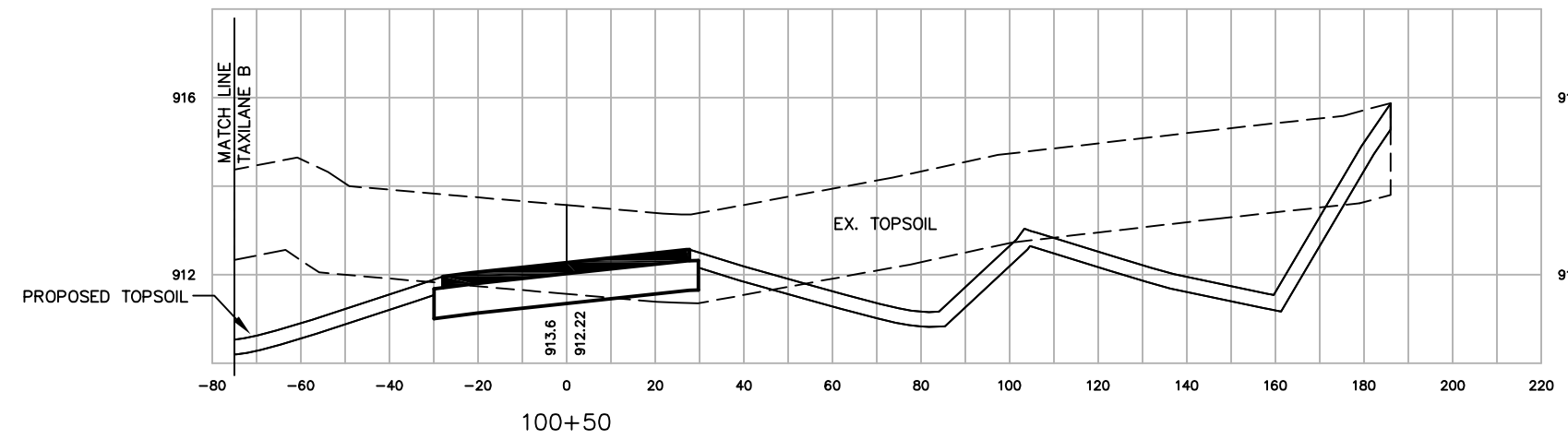
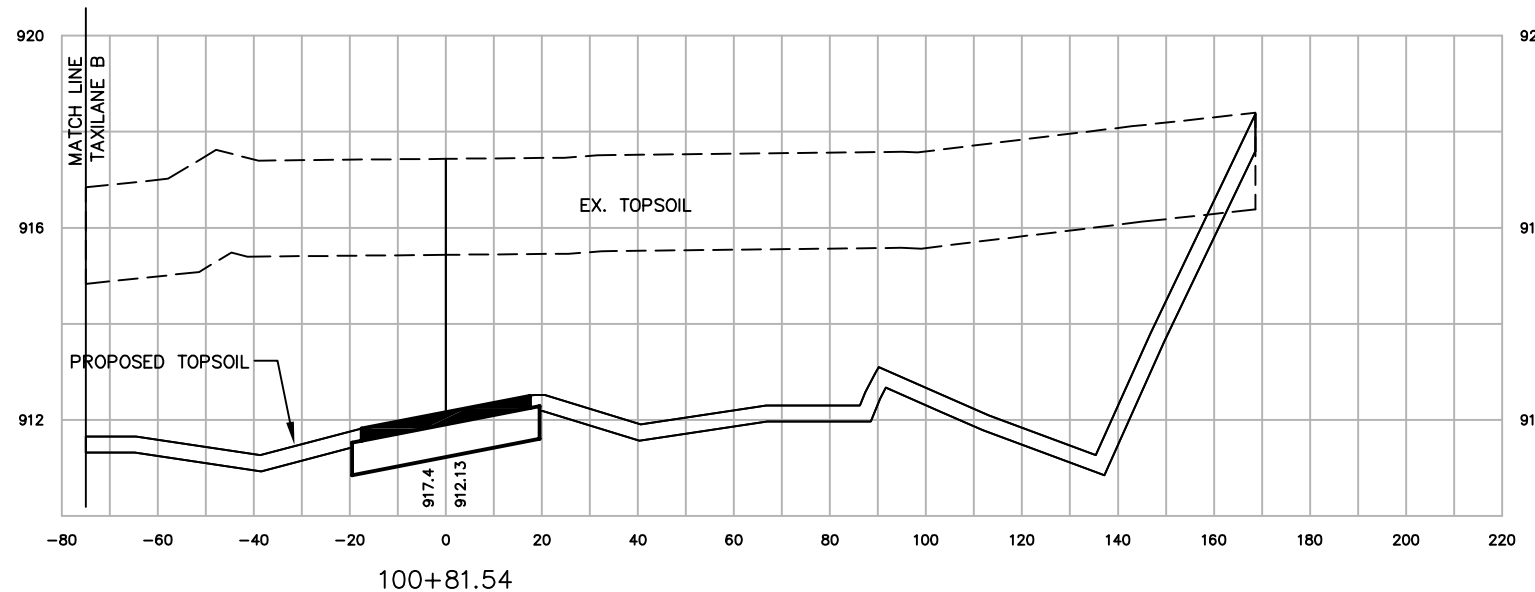


SCALE:  
 VERT. 1"=4'  
 HORIZ. 1"=40'

|   |  |   |   |                            |          |                        |
|---|--|---|---|----------------------------|----------|------------------------|
| WAUKESHA COUNTY AIRPORT<br><b>HANGAR AREA<br/>                 CROSS SECTIONS<br/>                 TAXILANE B</b> |  | DATE \$DATE\$<br>DESIGNED MJK<br>DRAWN MJK<br>CHECKED GAS | MEAD<br>HUNT<br>WAUKESHA COUNTY AIRPORT | NO. 12/08<br>DATE AS-BUILT | REVISION | INITIAL<br>MJK         |
| A.I.P. PROJECT NO.<br>3-55-0090-22  |  | JOB NO.<br>23099-90-04004                                 |   | DWG NO.<br>9004004109.dwg  |          | SHEET NO.<br>95 of 130 |



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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |
|     |       |          |         |
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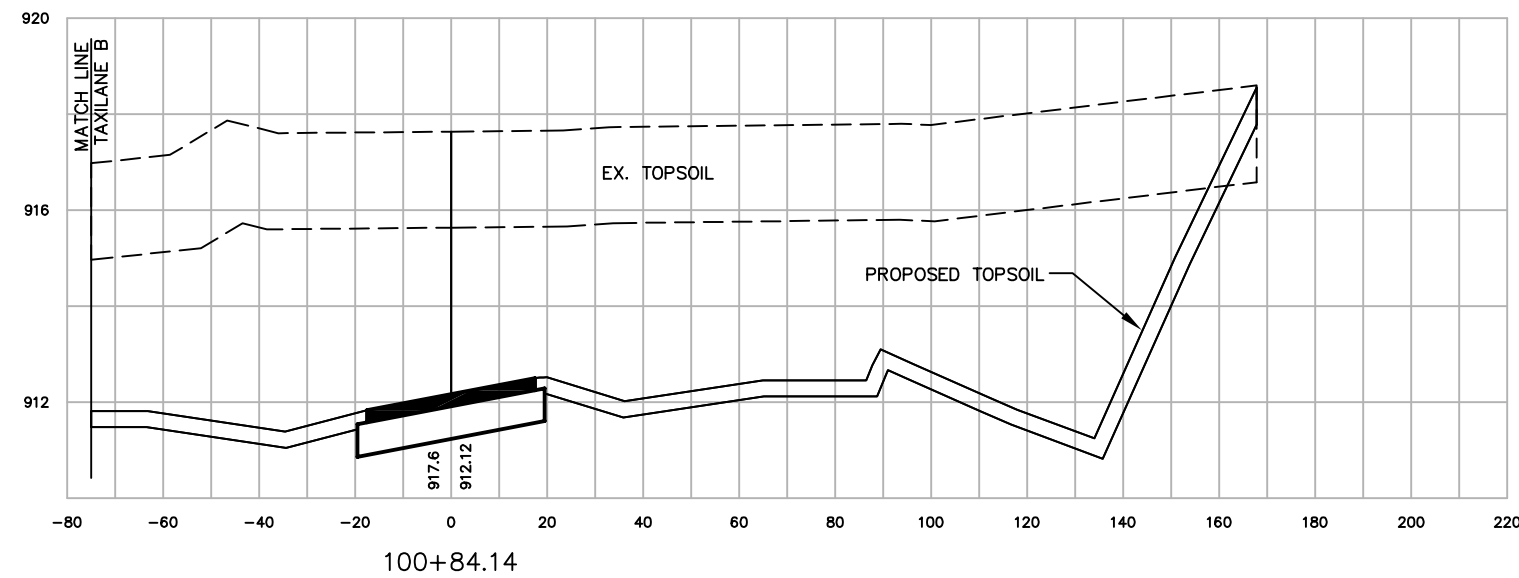
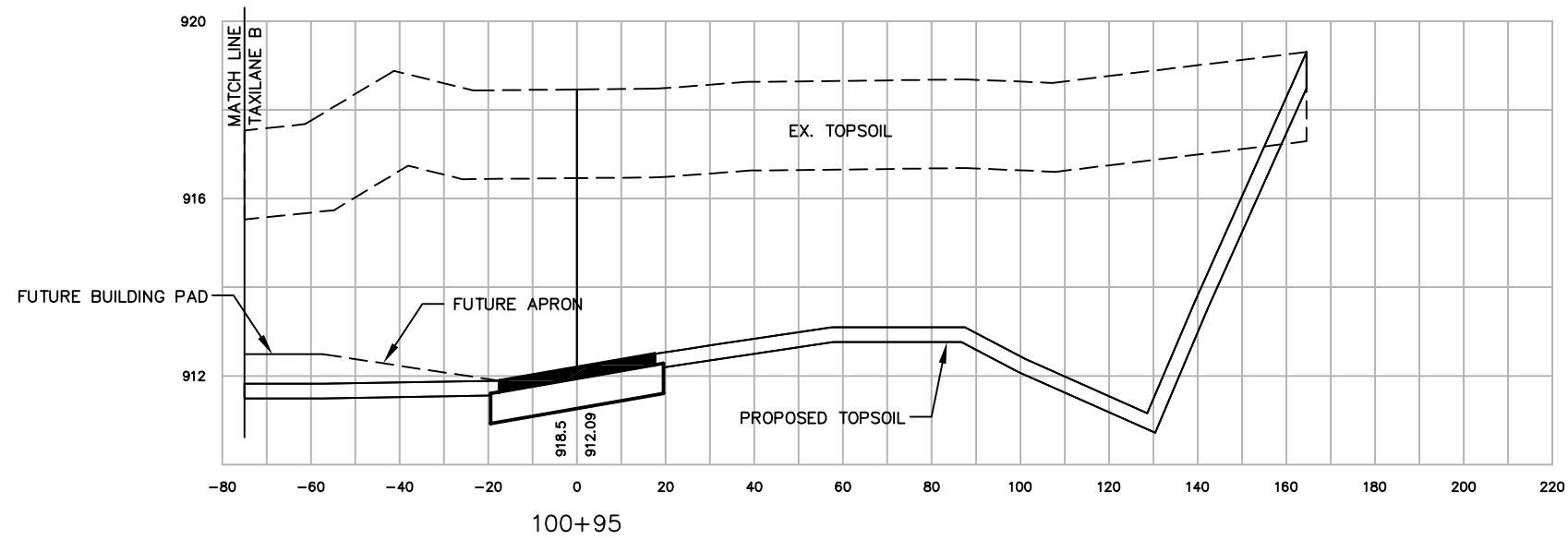
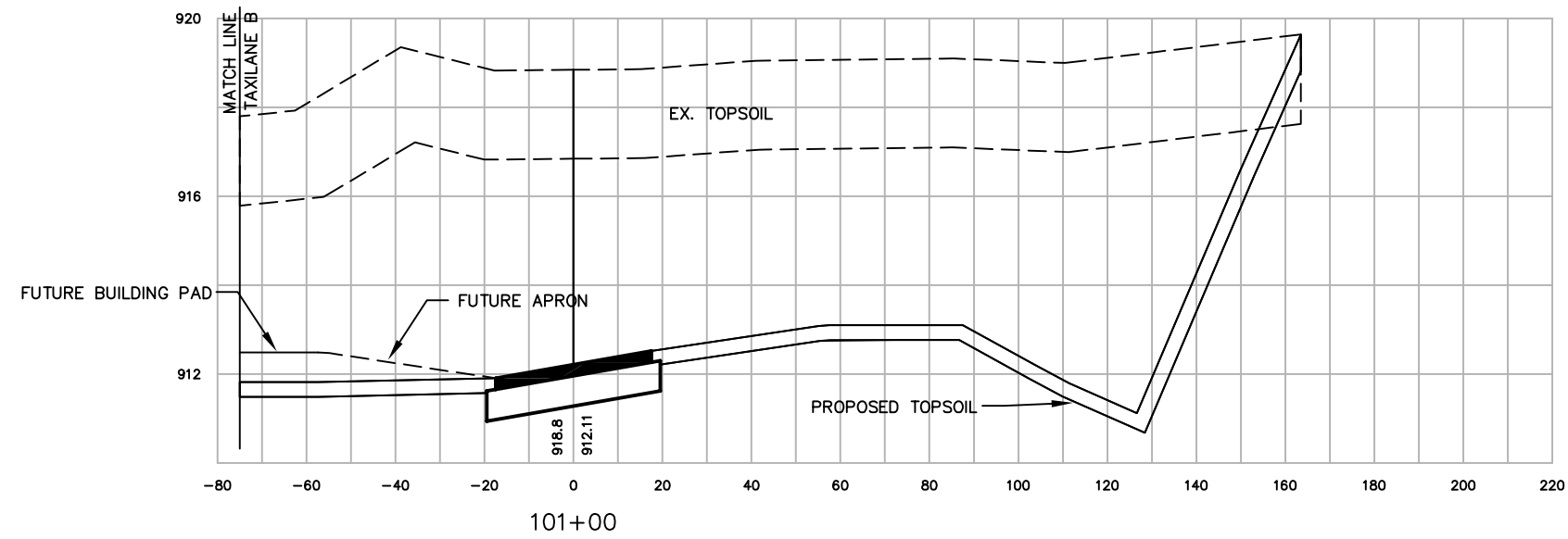


|          |          |
|----------|----------|
| DATE     | \$DATE\$ |
| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
TAXILANE C**

|                    |                |
|--------------------|----------------|
| A.I.P. PROJECT NO. | 3-55-0090-22   |
| JOB NO.            | 23099-90-04004 |
| DWG NO.            | 9004004110.dwg |
| SHEET NO.          | 96 of 130      |

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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |
|     |       |          |         |
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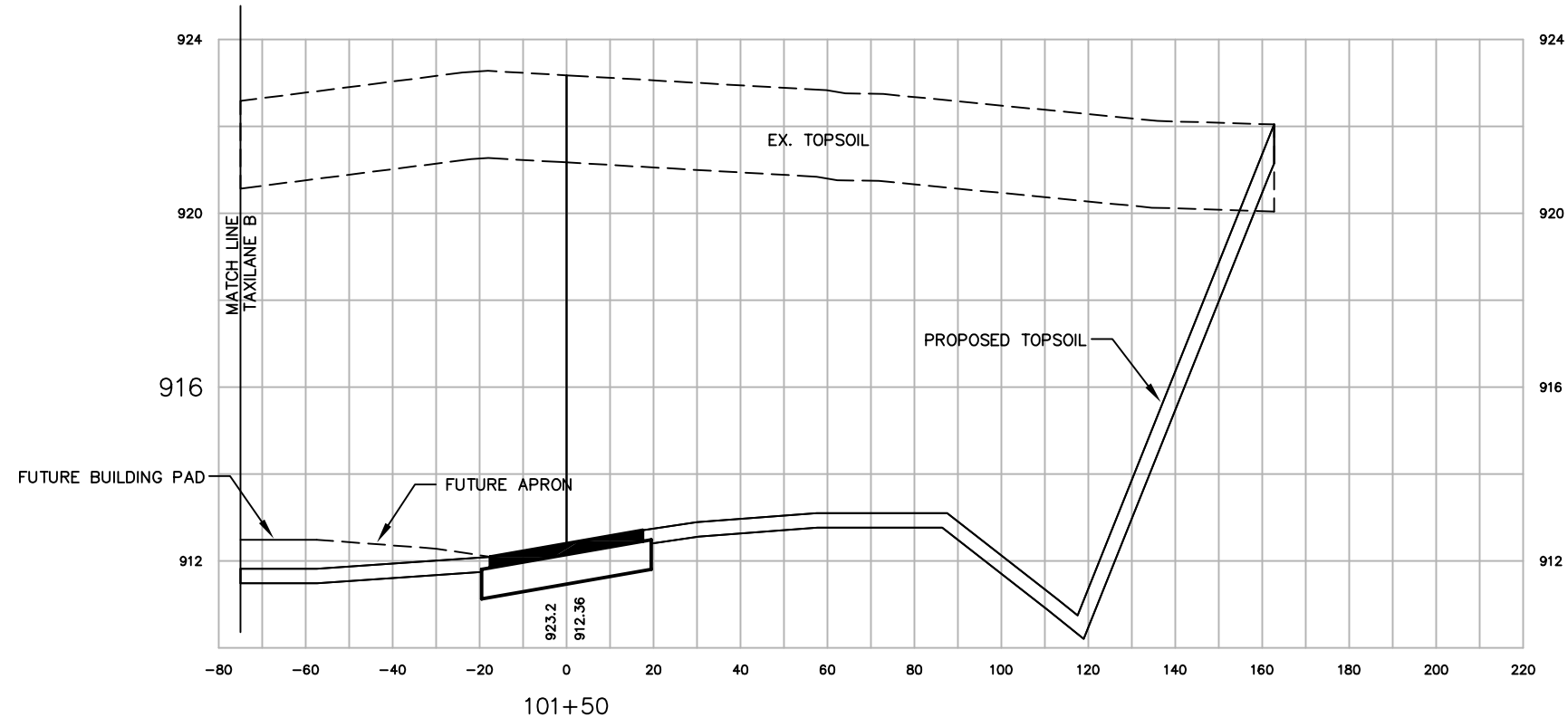
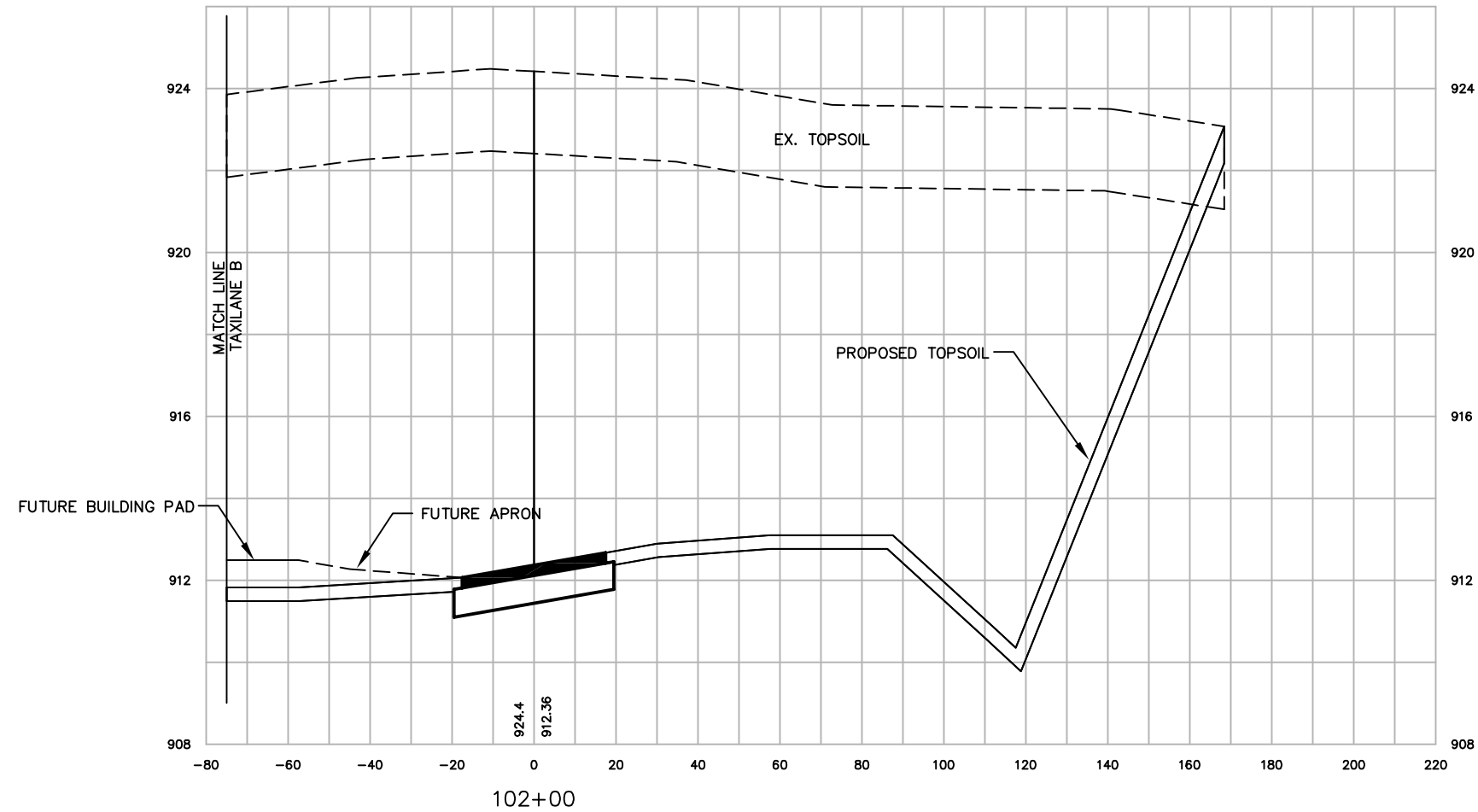


|          |          |
|----------|----------|
| DATE     | \$DATE\$ |
| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
TAXILANE C**

|                    |                |
|--------------------|----------------|
| A.I.P. PROJECT NO. | 3-55-0090-22   |
| JOB NO.            | 23099-90-04004 |
| DWG NO.            | 9004004110.dwg |
| SHEET NO.          | 97 of 130      |

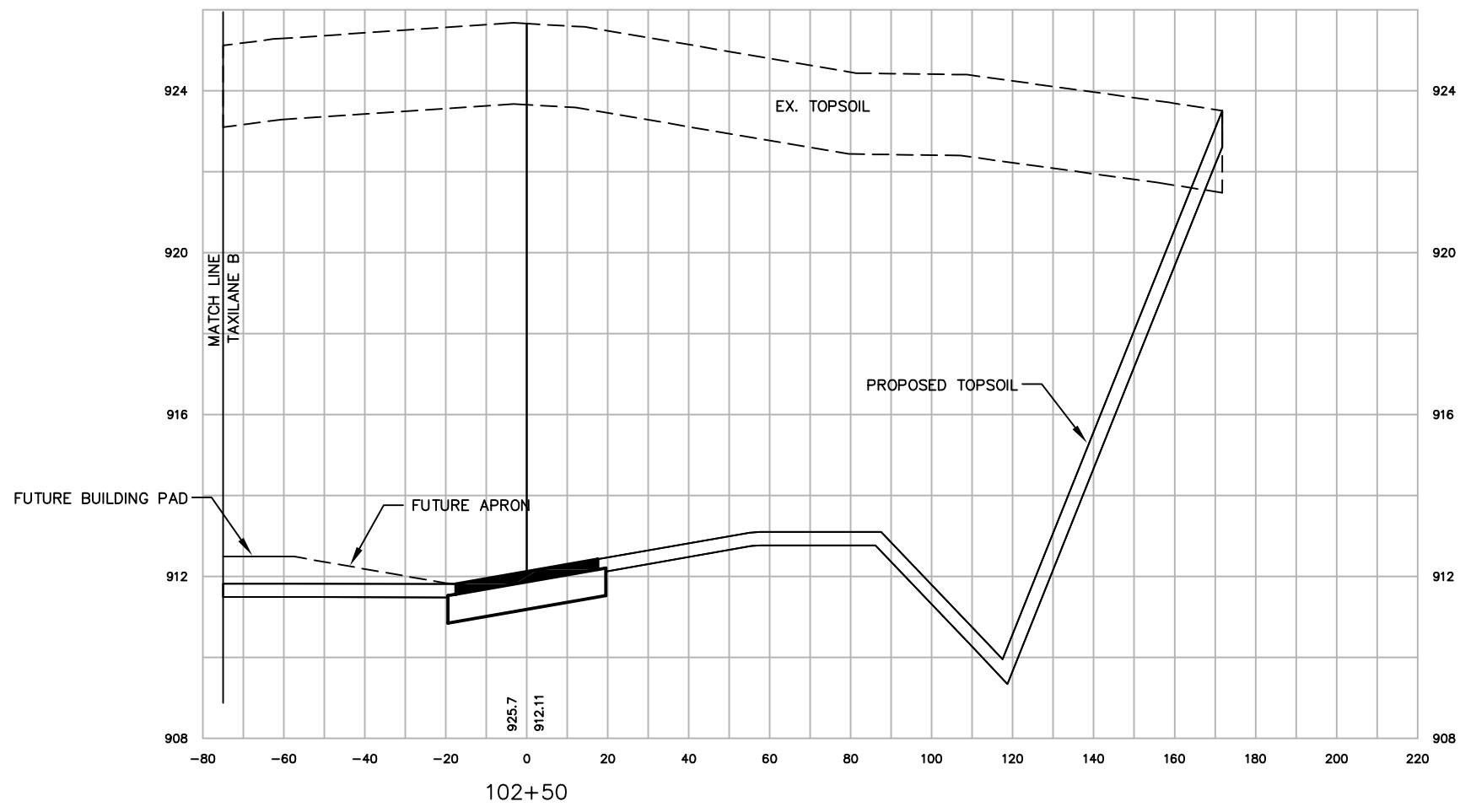
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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

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|--|--|----------|----------|---------|
| NO.  |  | DATE     | REVISION | INITIAL |
| 1  |  | 12/08    | AS-BUILT | MJK     |
| DATE   |  | \$DATE\$ | DESIGNED | MJK     |
| DRAWN  |  | MJK      | CHECKED  | GAS     |
| CHECKED  |  | GAS      |          |         |
|  |  |          |          |         |
|  |  |          |          |         |
| <b>HANGAR AREA<br/>CROSS SECTIONS<br/>TAXILANE C</b> |  |          |          |         |
| A.I.P. PROJECT NO.                                   |  |          |          |         |
| 3-55-0090-22   |  |          |          |         |
| JOB NO.  |  |          |          |         |
| 23099-90-04004                                       |  |          |          |         |
| DWG NO.  |  |          |          |         |
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| SHEET NO.  |  |          |          |         |
| 98 of 130  |  |          |          |         |

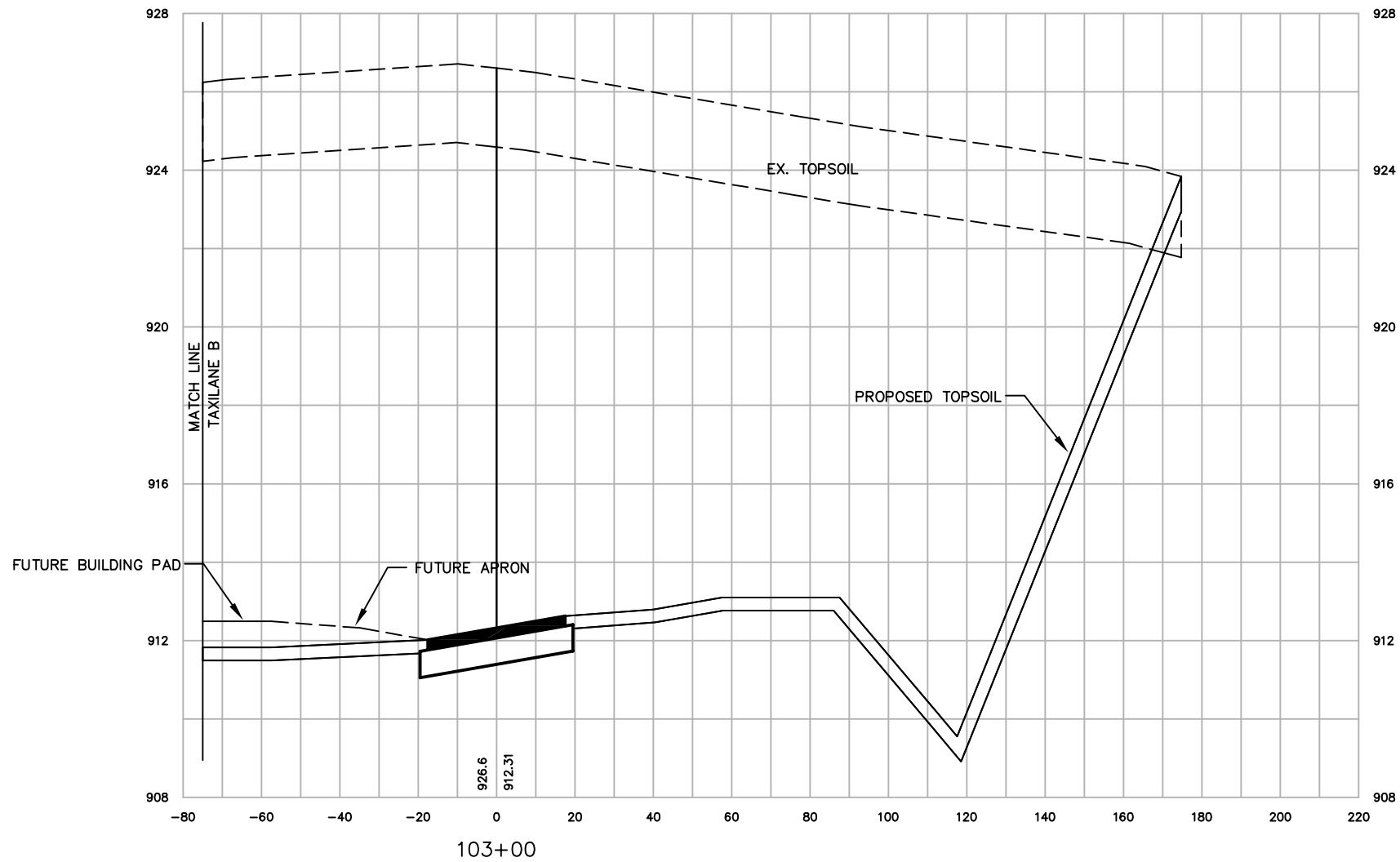
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SCALE:  
 VERT. 1"=4'  
 HORIZ. 1"=40'

|   |  |   |  |                           |          |                        |
|---|--|---|--|---------------------------|----------|------------------------|
| WAUKESHA COUNTY AIRPORT<br><b>HANGAR AREA<br/>                 CROSS SECTIONS<br/>                 TAXILANE C</b> |  | DATE \$DATE\$<br>DESIGNED MJK<br>DRAWN MJK<br>CHECKED GAS | MEAD & HUNT<br>WAUKESHA COUNTY AIRPORT | NO. 12/08<br>AS-BUILT     | REVISION | INITIAL<br>MJK         |
| A.I.P. PROJECT NO.<br>3-55-0090-22  |  | JOB NO.<br>23099-90-04004                                 |  | DWG NO.<br>9004004110.dwg |          | SHEET NO.<br>99 of 130 |

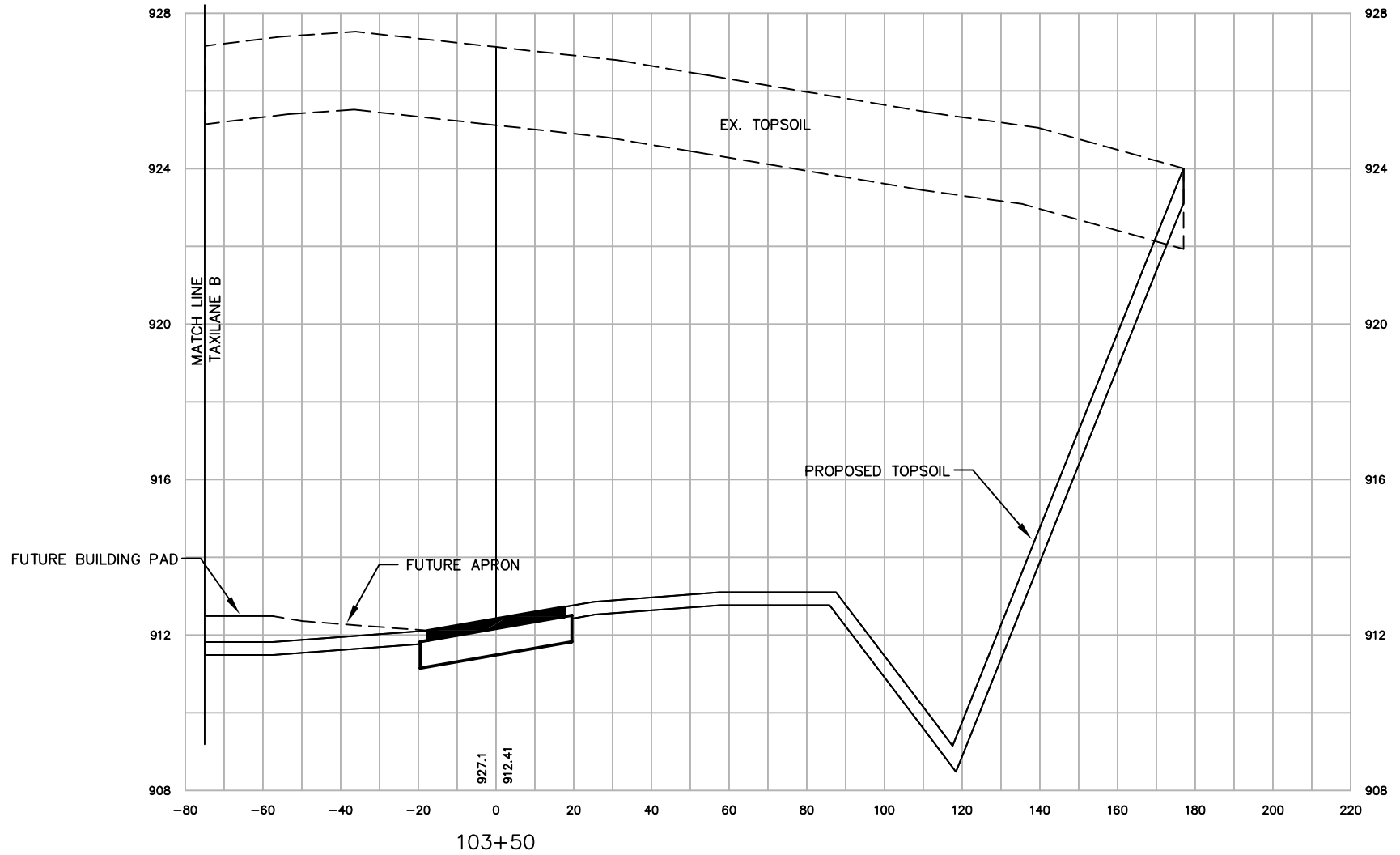
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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

|   |  |   |  |                                     |                            |
|---|--|---|--|-------------------------------------|----------------------------|
| Waukesha County Airport<br><b>HANGAR AREA<br/>CROSS SECTIONS<br/>TAXILANE C</b> |  | DATE \$DATE\$<br>DESIGNED MJK<br>DRAWN MJK<br>CHECKED GAS | MEAD & HUNT<br>Waukesha County Airport | NO. 12/08<br>DATE 12/08<br>AS-BUILT | REVISION<br>INITIAL<br>MJK |
| A.I.P. PROJECT NO.<br>3-55-0090-22  |  | JOB NO.<br>23099-90-04004                                 |  | DWG NO.<br>9004004110.dwg           |                            |
| SHEET NO.<br>100 of 130   |  |   |  |                                     |                            |

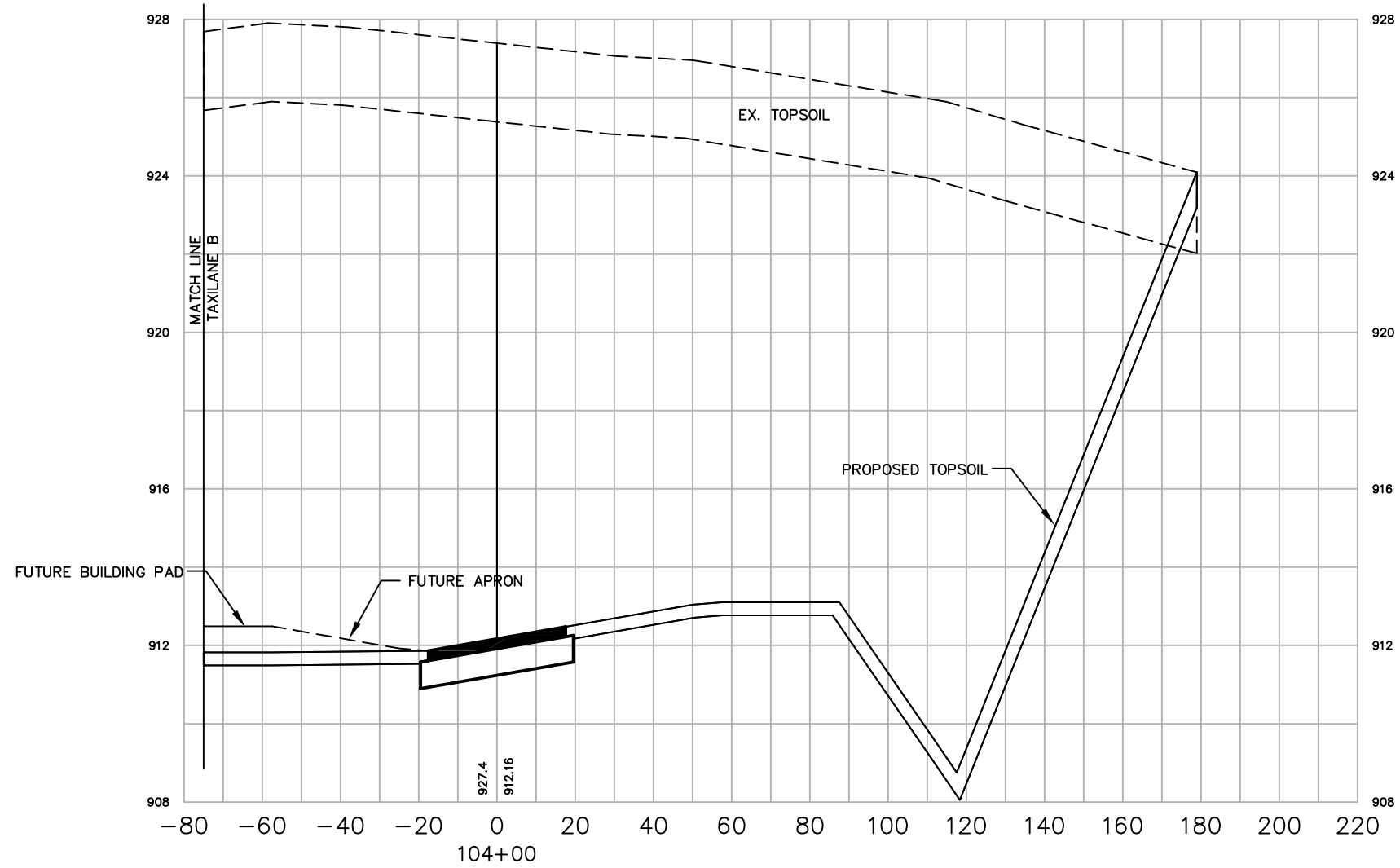
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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

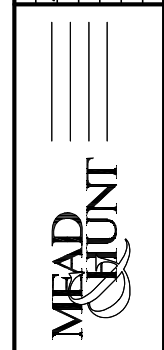
|                                    |  |               |  |              |  |           |  |
|------------------------------------|--|---------------|--|--------------|--|-----------|--|
| A.I.P. PROJECT NO.<br>3-55-0090-22 |  | NO. DATE      |  | REVISION     |  | INITIAL   |  |
| JOB NO.<br>23099-90-04004          |  | 12/08         |  | AS-BUILT     |  | MJK       |  |
| DWG NO.<br>9004004110.dwg          |  |               |  |              |  |           |  |
| SHEET NO.<br>101 of 130            |  |               |  |              |  |           |  |
| Waukesha County Airport            |  | DATE \$DATE\$ |  | DESIGNED MJK |  | DRAWN MJK |  |
| HANGAR AREA                        |  |               |  | CHECKED GAS  |  |           |  |
| CROSS SECTIONS                     |  |               |  |              |  |           |  |
| TAXILANE C                         |  |               |  |              |  |           |  |
| MEAD & HUNT                        |  |               |  |              |  |           |  |
| WAUKESHA COUNTY AIRPORT            |  |               |  |              |  |           |  |

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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |
|     |       |          |         |
|     |       |          |         |

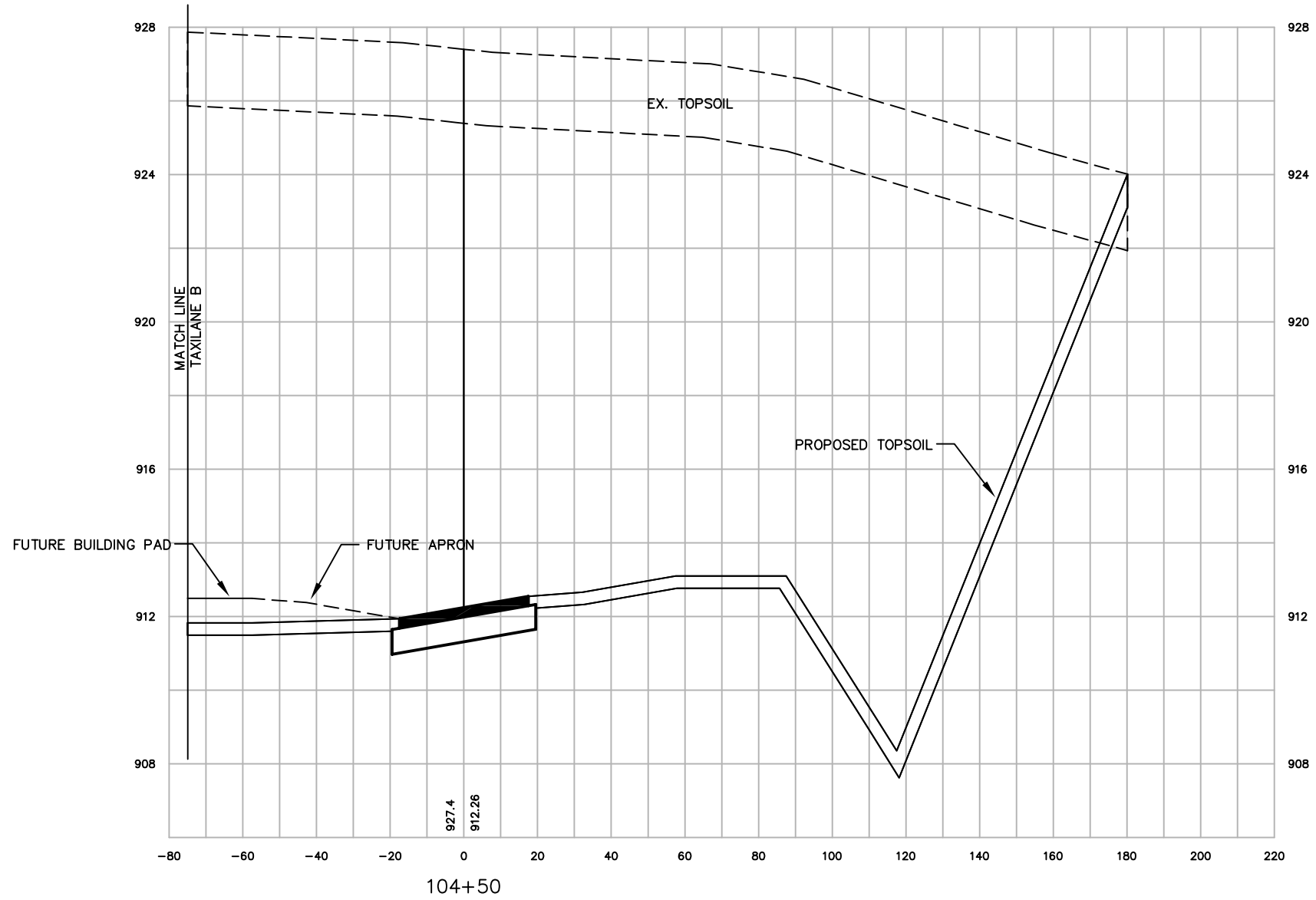


| DATE     | \$DATE\$ |
|----------|----------|
| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
TAXILANE C**

|                                    |
|------------------------------------|
| A.I.P. PROJECT NO.<br>3-55-0090-22 |
| JOB NO.<br>23099-90-04004          |
| DWG NO.<br>9004004110.dwg          |
| SHEET NO.<br>102 of 130            |

X:\23099-90\06017\tech\cadd\drawings\AS-BUILTS\HANGAR AREA\23099-90-04004 Land\_Desktop\dwg\23099-90-04004110.dwg



SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |
|     |       |          |         |
|     |       |          |         |
|     |       |          |         |



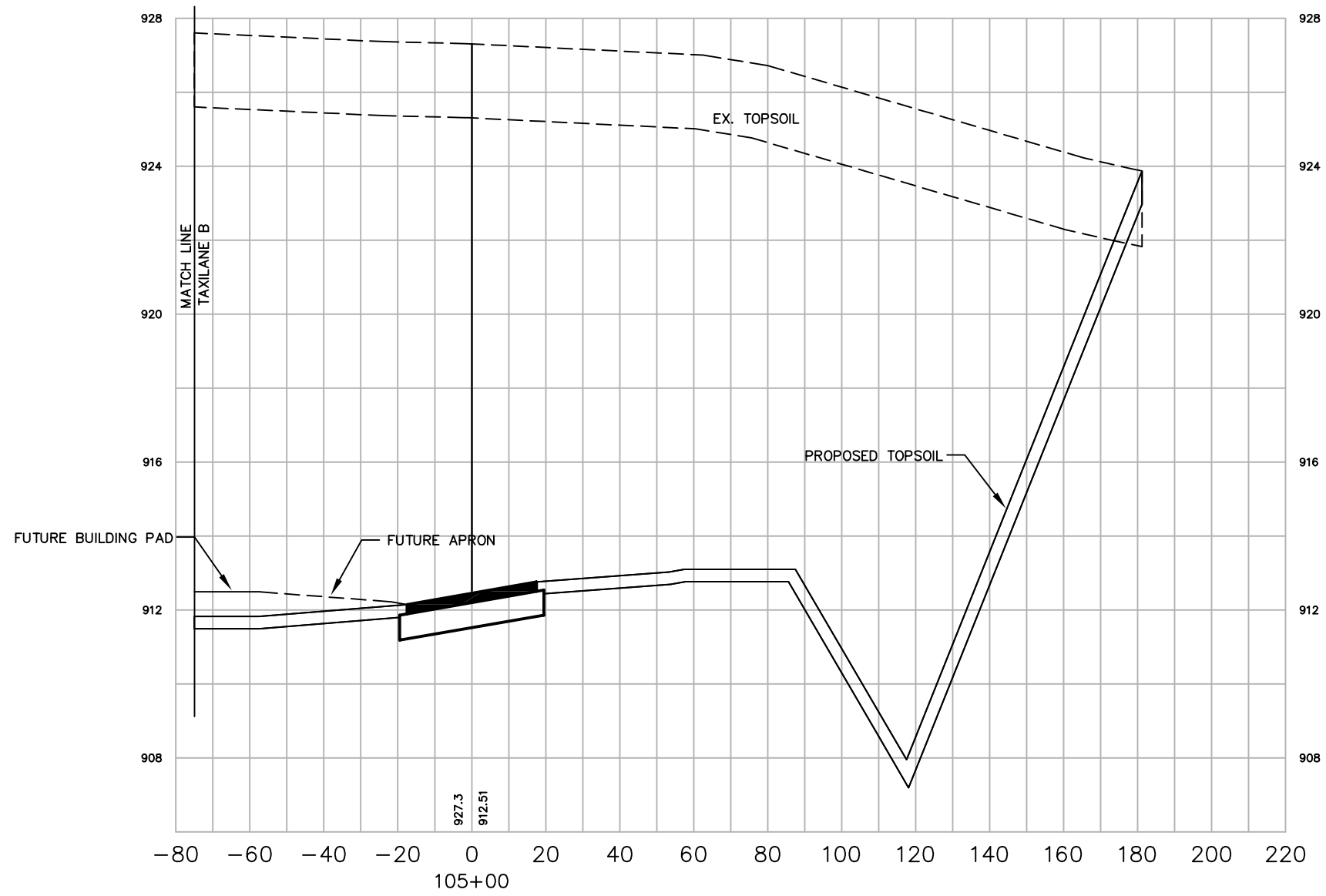
| DATE | DESIGNED | CHECKED |
|------|----------|---------|
|      | MJK      | MJK     |
|      |          | GAS     |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
TAXILANE C**

|                                    |
|------------------------------------|
| A.I.P. PROJECT NO.<br>3-55-0090-22 |
| JOB NO.<br>23099-90-04004          |
| DWG NO.<br>9004004110.dwg          |
| SHEET NO.<br>103 of 130            |

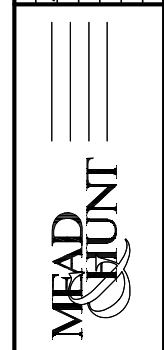


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SCALE:  
 VERT. 1"=4'  
 HORIZ. 1"=40'

| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |
|     |       |          |         |
|     |       |          |         |

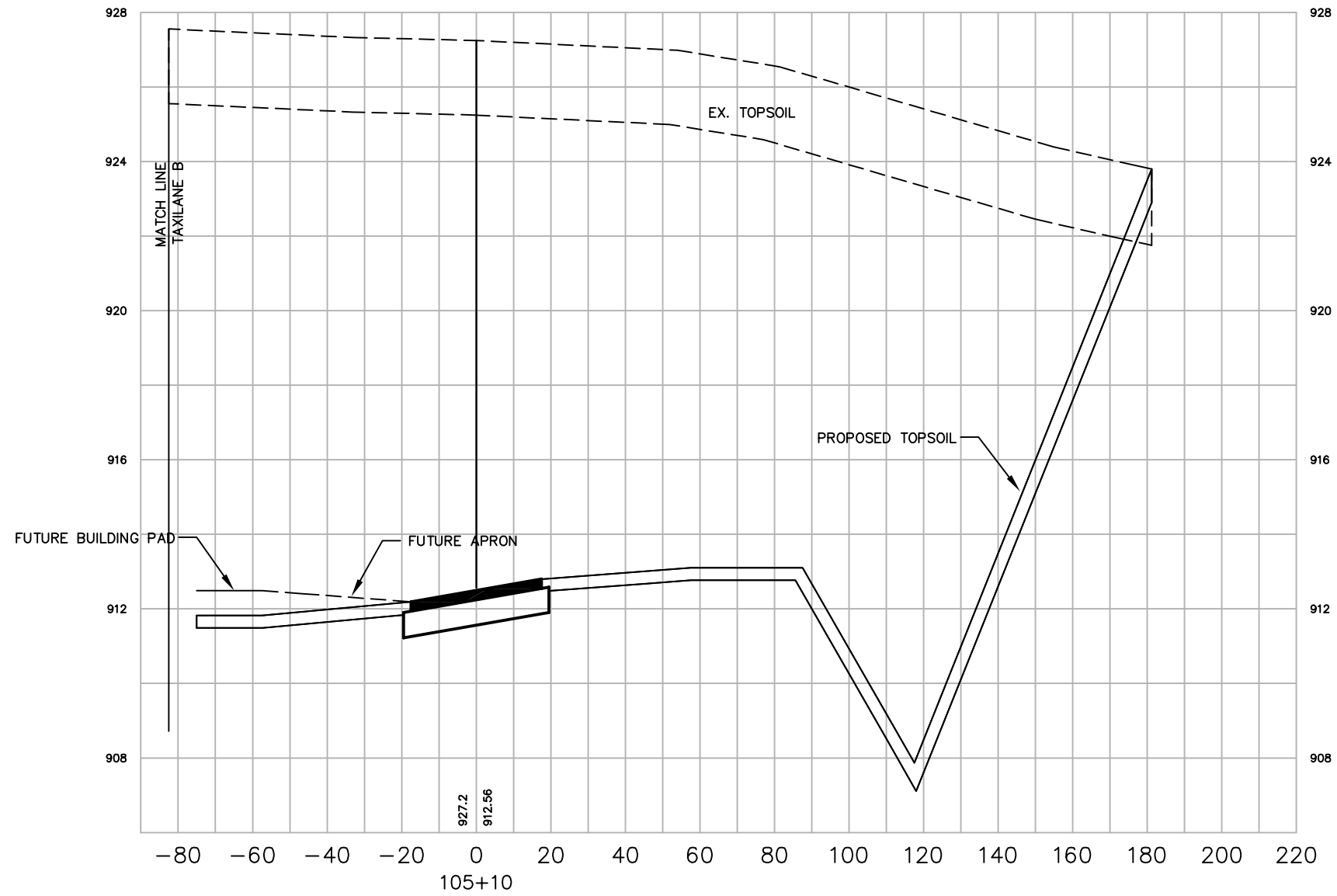


| DATE     | \$DATE\$ |
|----------|----------|
| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA**  
**CROSS SECTIONS**  
**TAXILANE C**

|                    |                |
|--------------------|----------------|
| A.I.P. PROJECT NO. | 3-55-0090-22   |
| JOB NO.            | 23099-90-04004 |
| DWG NO.            | 9004004110.dwg |
| SHEET NO.          | 104 of 130     |

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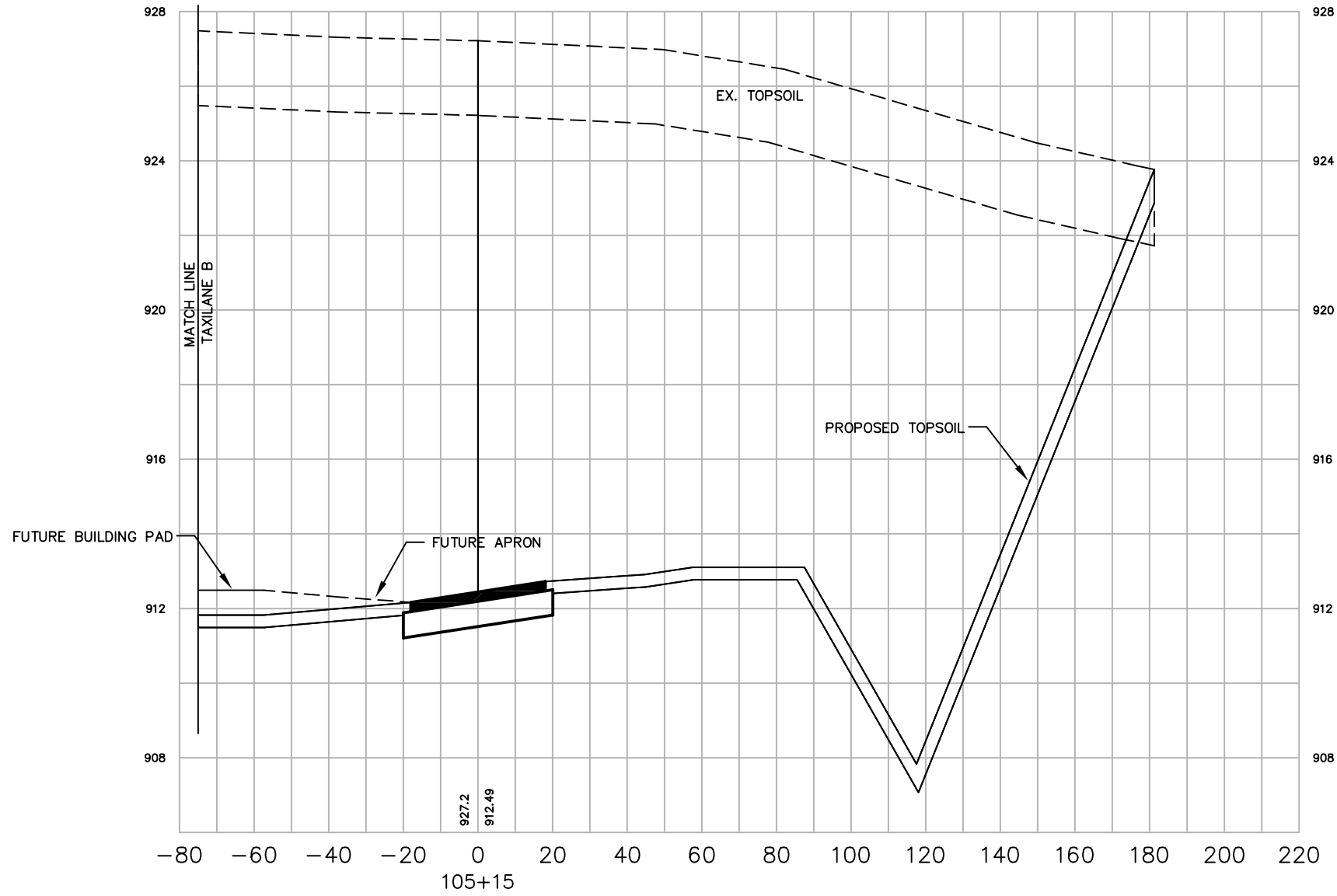


SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

|   |  |          |          |         |
|---|--|----------|----------|---------|
| NO.   |  | DATE     | REVISION | INITIAL |
| 1   |  | 12/08    | AS-BUILT | MJK     |
| DATE  |  | \$DATE\$ | DESIGNED | MJK     |
| DRAWN   |  | MJK      | CHECKED  | GAS     |
| WAUKESHA COUNTY AIRPORT<br><b>HANGAR AREA</b><br><b>CROSS SECTIONS</b><br><b>TAXILANE C</b> |  |          |          |         |
| A.I.P. PROJECT NO.<br>3-55-0090-22  |  |          |          |         |
| JOB NO.<br>23099-90-04004   |  |          |          |         |
| DWG NO.<br>9004004110.dwg   |  |          |          |         |
| SHEET NO.<br>105 of 130   |  |          |          |         |

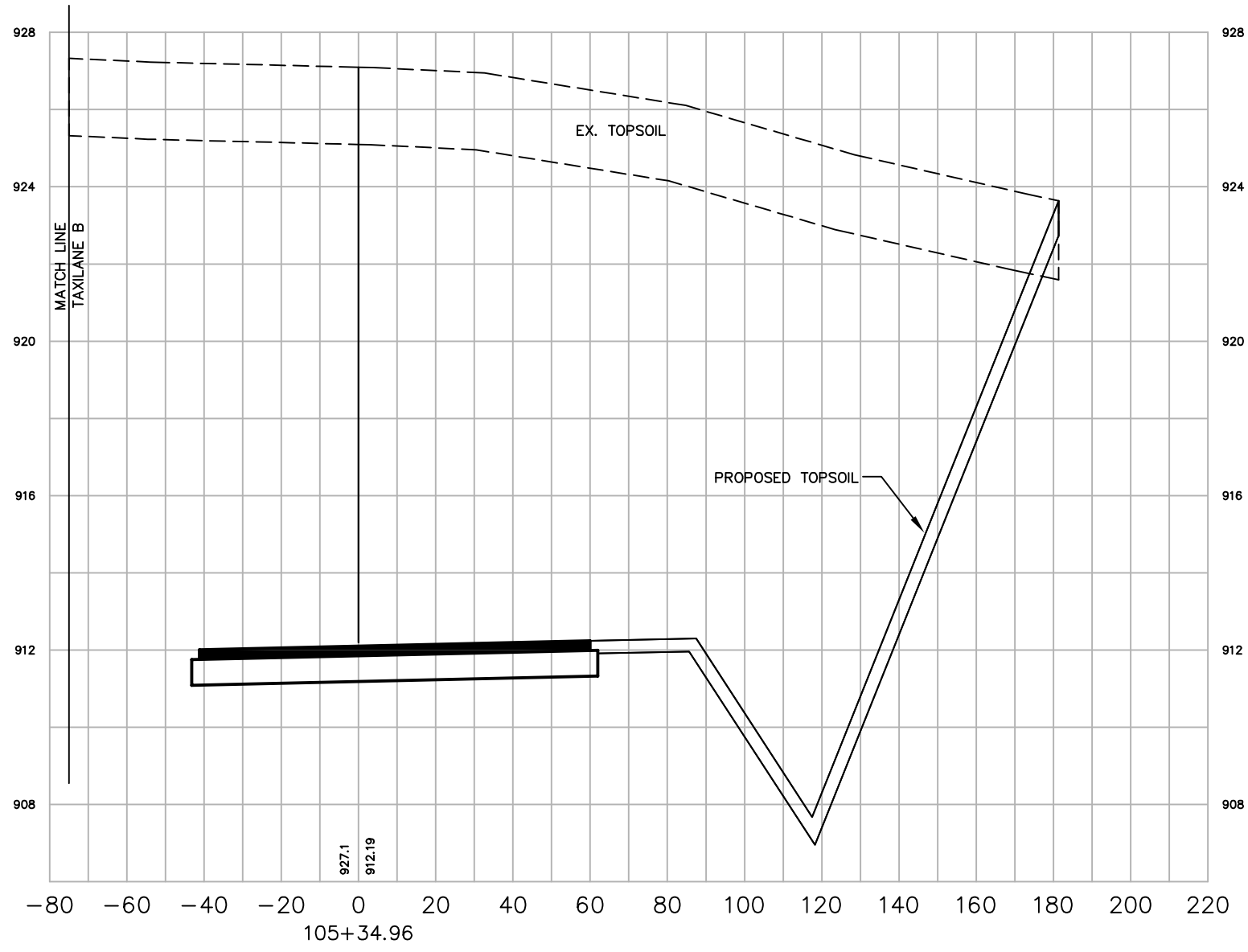


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SCALE:  
 VERT. 1"=4'  
 HORIZ. 1"=40'

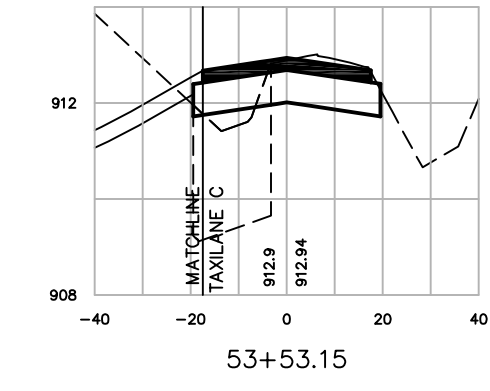
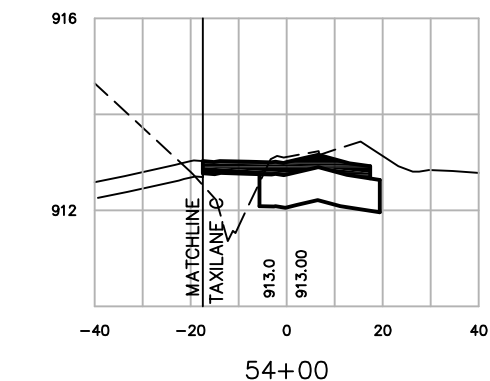
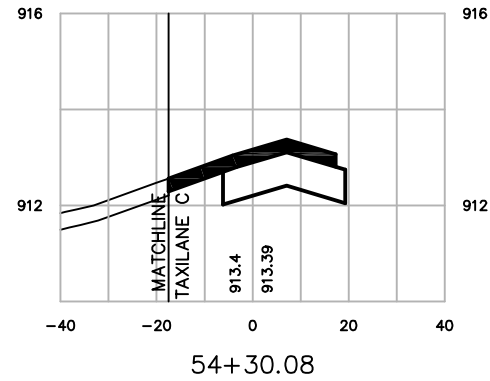
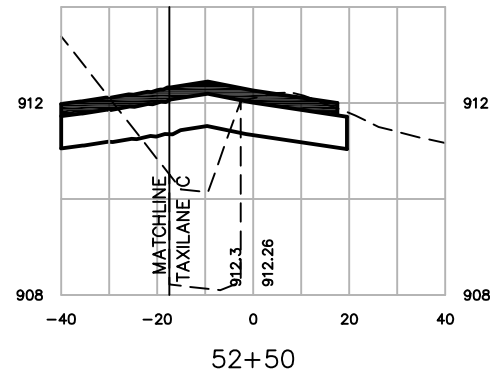
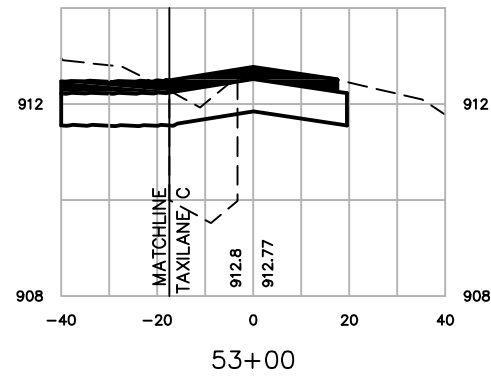
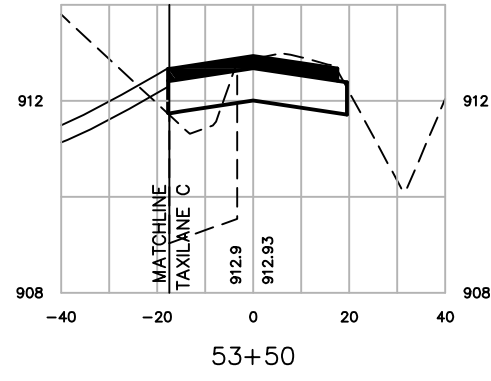
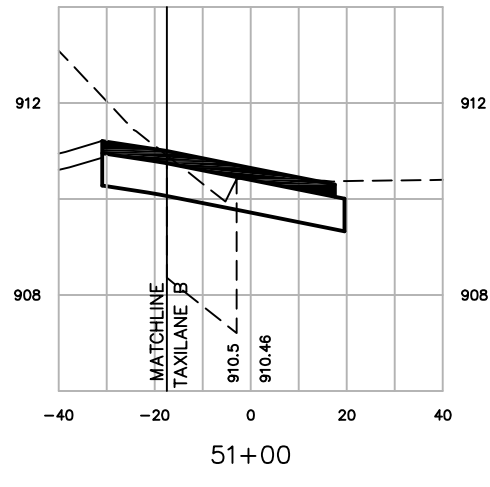
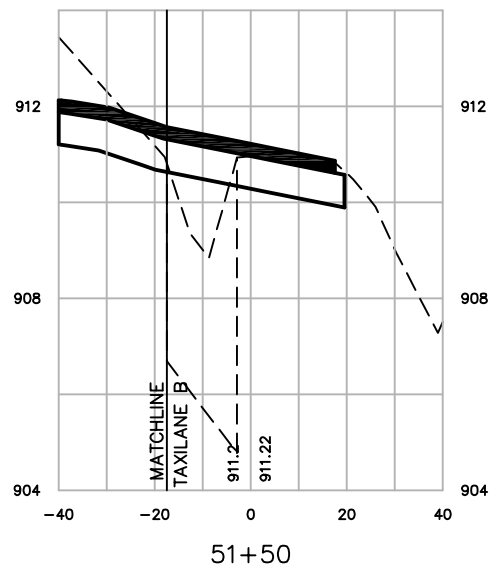
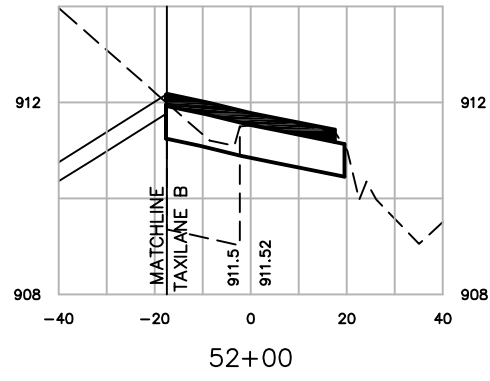
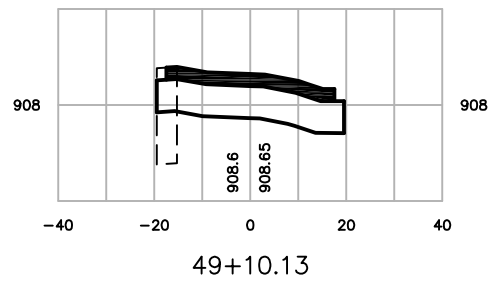
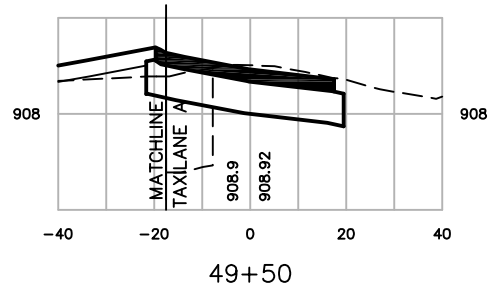
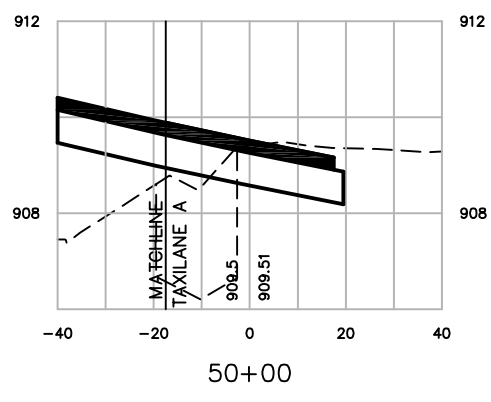
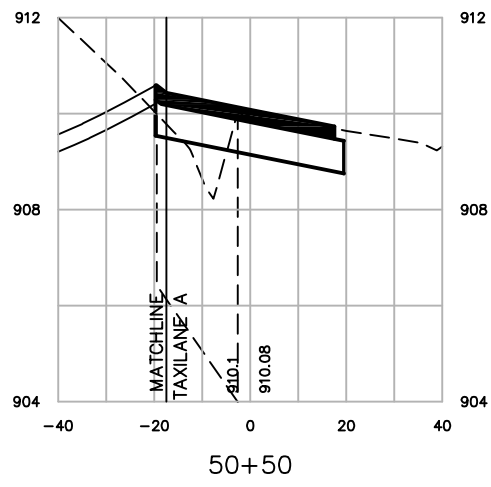
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|---|--|---|-------------------------|-----------|-------------------------------------|----------------|
| WAUKESHA COUNTY AIRPORT<br><b>HANGAR AREA<br/>                 CROSS SECTIONS<br/>                 TAXILANE C</b> |  | DATE \$DATE\$<br>DESIGNED MJK<br>DRAWN MJK<br>CHECKED GAS | WAUKESHA COUNTY AIRPORT | MEAD HUNT | NO. DATE REVISION<br>12/08 AS-BUILT | INITIAL<br>MJK |
| A.I.P. PROJECT NO.<br>3-55-0090-22  |  |   |                         |           |                                     |                |
| JOB NO.<br>23099-90-04004   |  |   |                         |           |                                     |                |
| DWG NO.<br>9004004110.dwg   |  |   |                         |           |                                     |                |
| SHEET NO.<br>106 of 130   |  |   |                         |           |                                     |                |



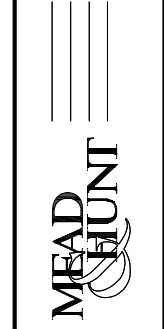
SCALE:  
 VERT. 1"=4'  
 HORIZ. 1"=40'

|   |  |   |              |                           |          |                         |
|---|--|---|--------------|---------------------------|----------|-------------------------|
| WAUKESHA COUNTY AIRPORT<br><b>HANGAR AREA<br/>                 CROSS SECTIONS<br/>                 TAXILANE C</b> |  | DATE \$DATE\$<br>DESIGNED MJK<br>DRAWN MJK<br>CHECKED GAS | MEAD<br>HUNT | NO. 12/08<br>AS-BUILT     | REVISION | INITIAL<br>MJK          |
| A.I.P. PROJECT NO.<br>3-55-0090-22  |  | JOB NO.<br>23099-90-04004                                 |              | DWG NO.<br>9004004110.dwg |          | SHEET NO.<br>107 of 130 |

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| NO. | DATE  | REVISION | INITIAL |
|-----|-------|----------|---------|
| 1   | 12/08 | AS-BUILT | MJK     |



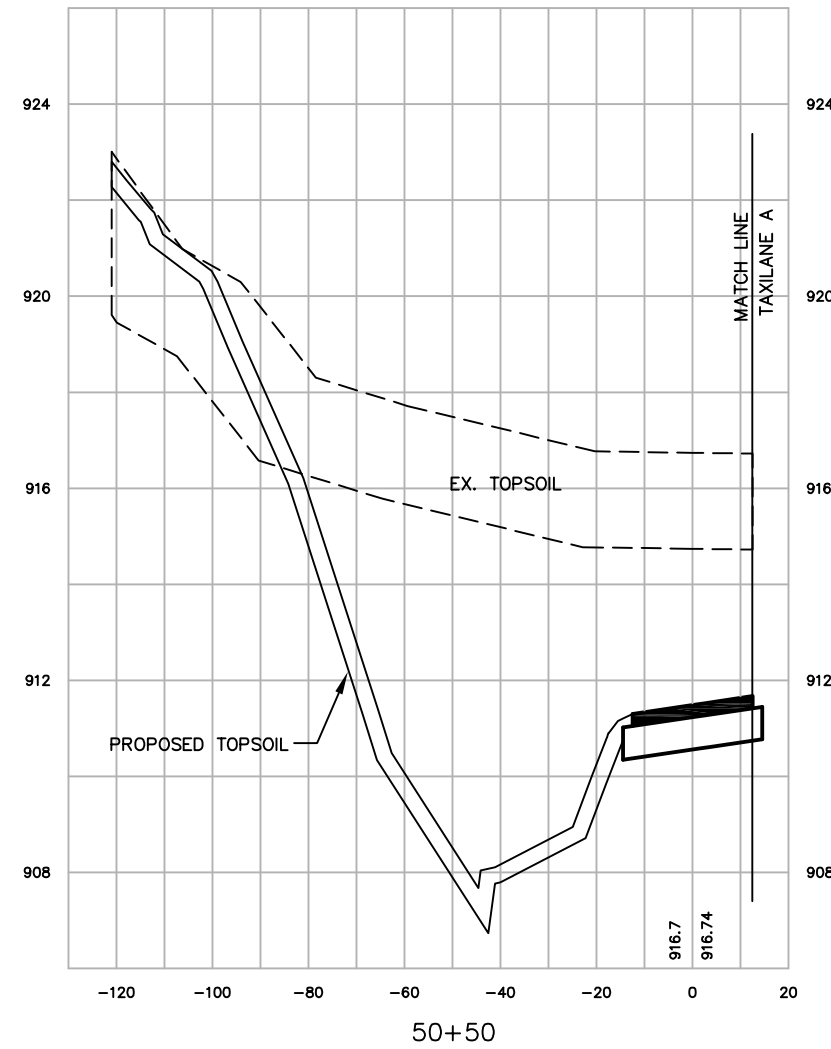
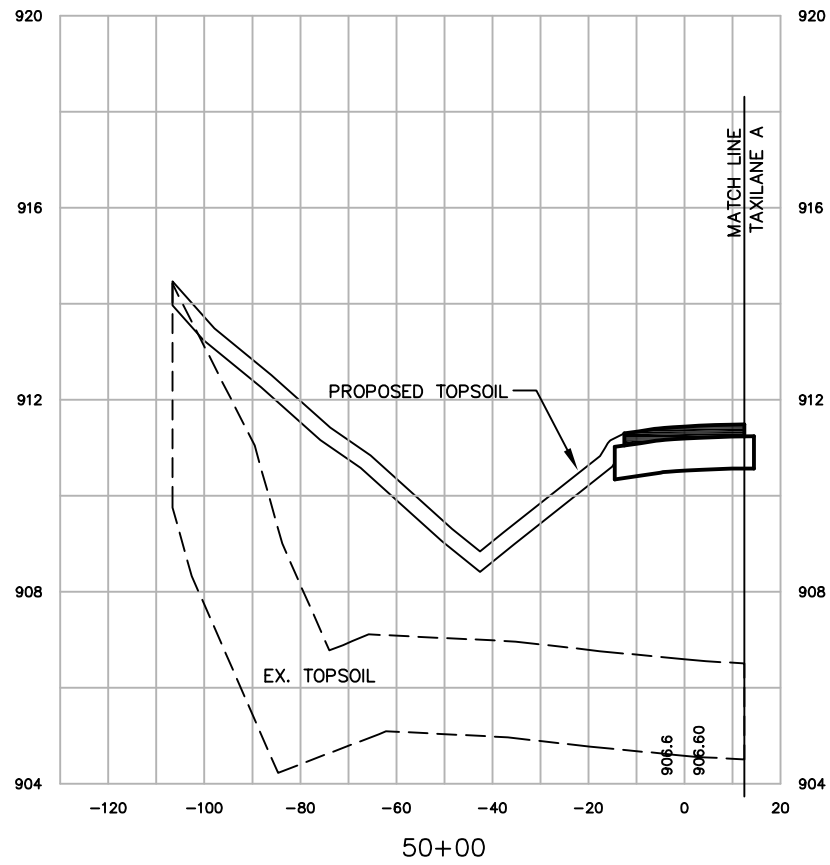
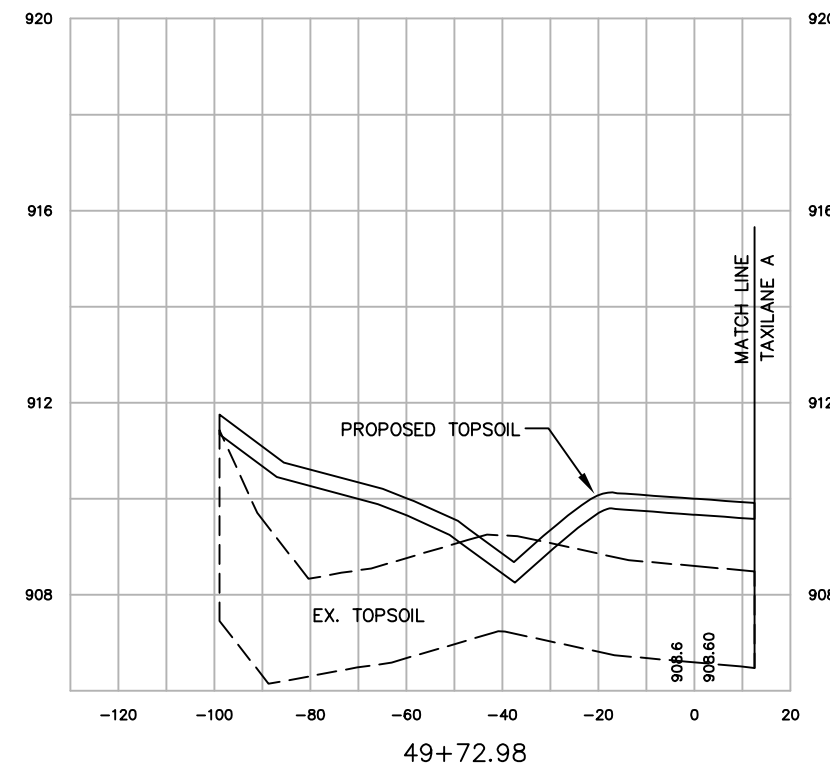
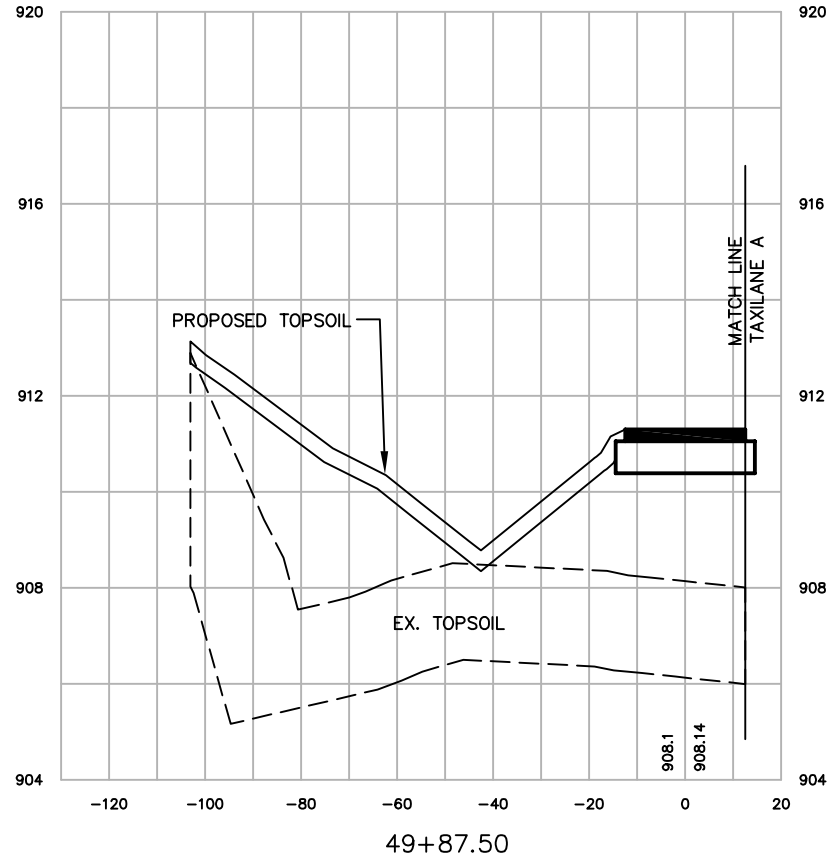
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| DATE     | \$DATE\$ |
| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
 CROSS SECTIONS  
 TAXIWAY E**

|                    |                |
|--------------------|----------------|
| A.I.P. PROJECT NO. | 3-55-0090-22   |
| JOB NO.            | 23099-90-04004 |
| DWG NO.            | 9004004111.dwg |
| SHEET NO.          | 108 of 130     |

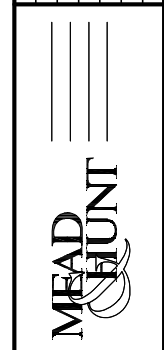
SCALE:  
 VERT. 1"=4'  
 HORIZ. 1"=40'

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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

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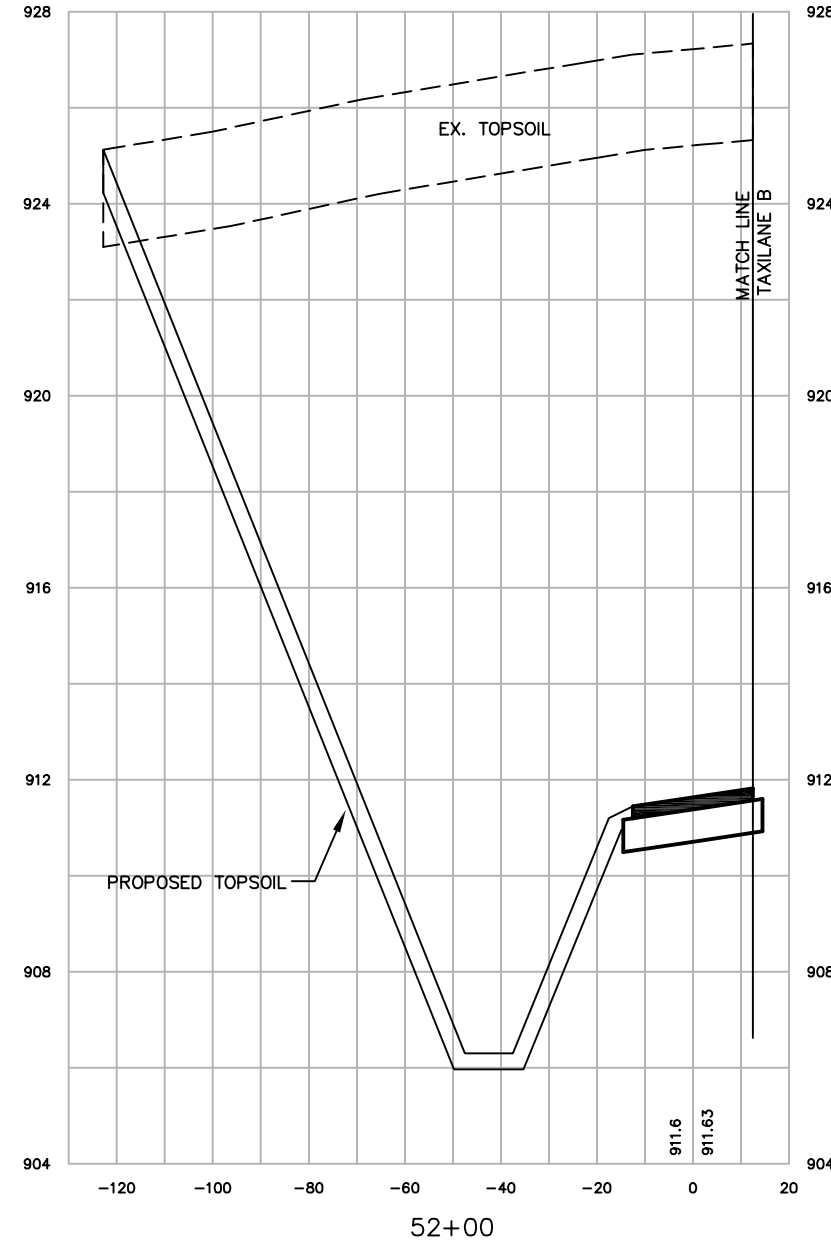
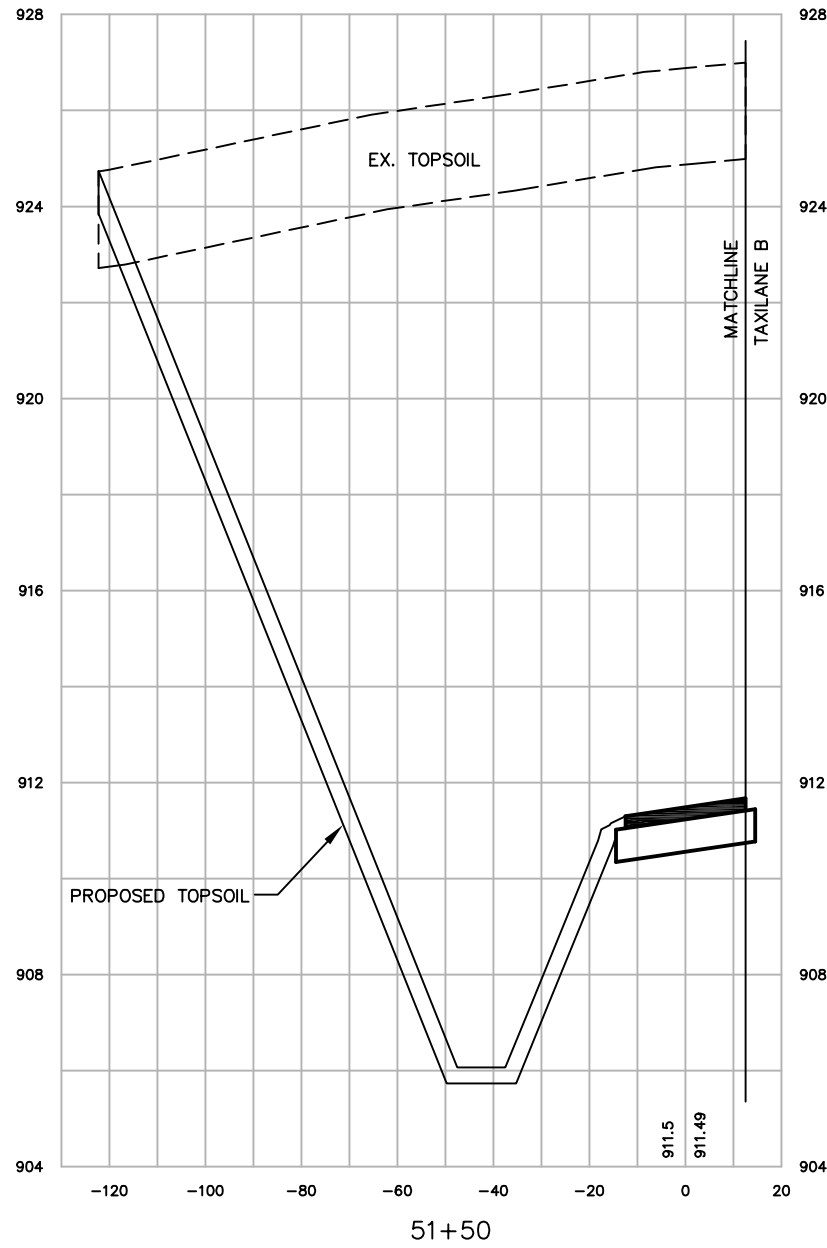
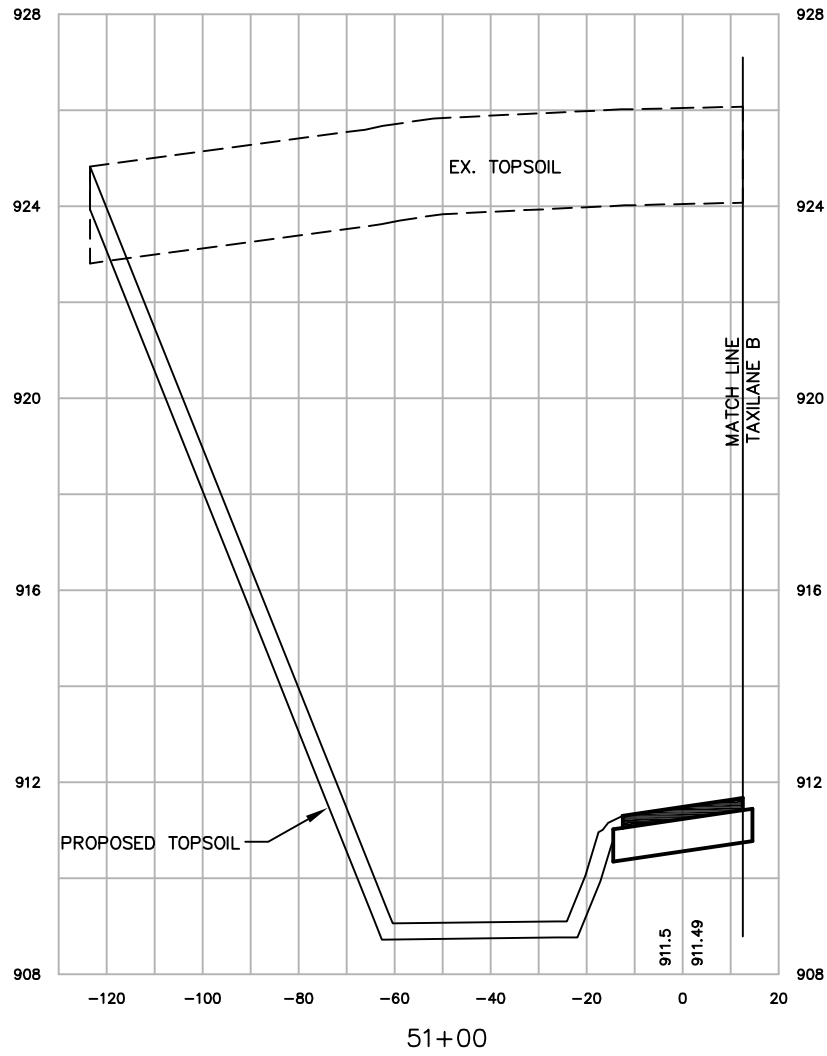


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| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
ROADWAY W**

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|--------------------|----------------|
| A.I.P. PROJECT NO. | 3-55-0090-22   |
| JOB NO.            | 23099-90-04004 |
| DWG NO.            | 9004004112.dwg |
| SHEET NO.          | 109 of 130     |

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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE | REVISION | INITIAL |
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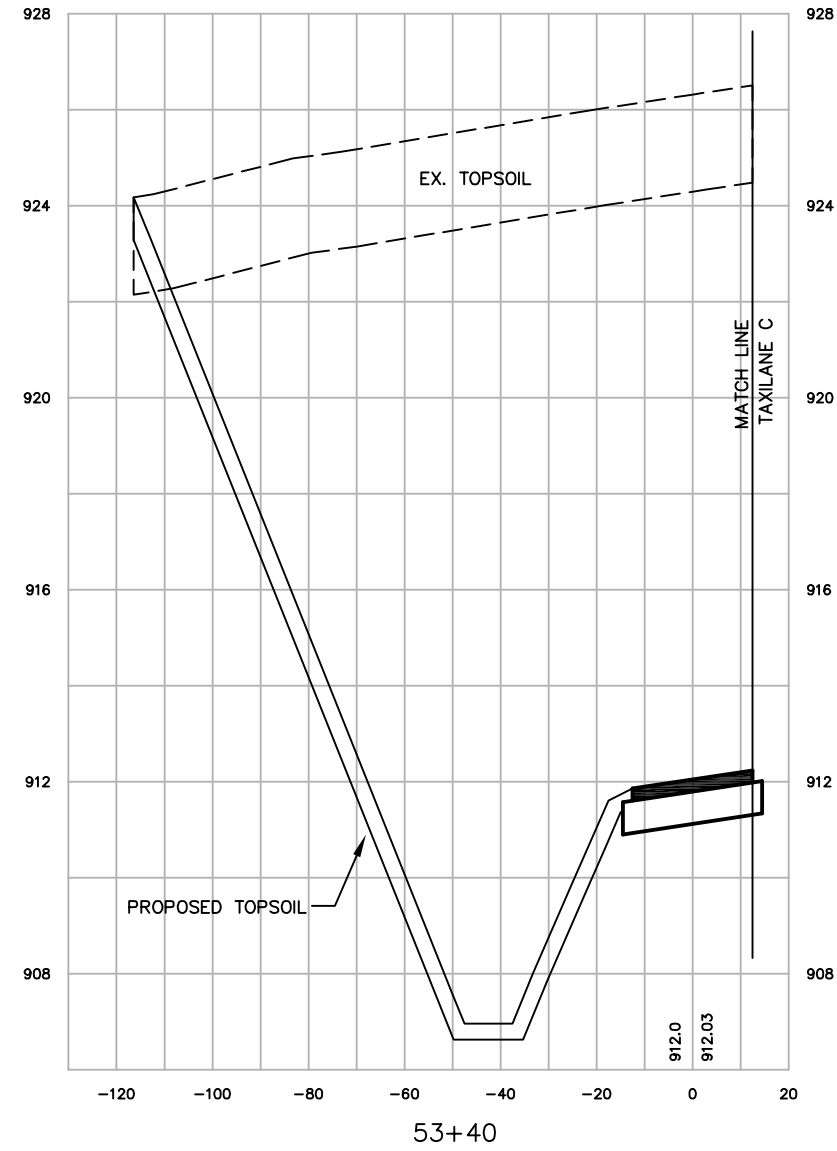
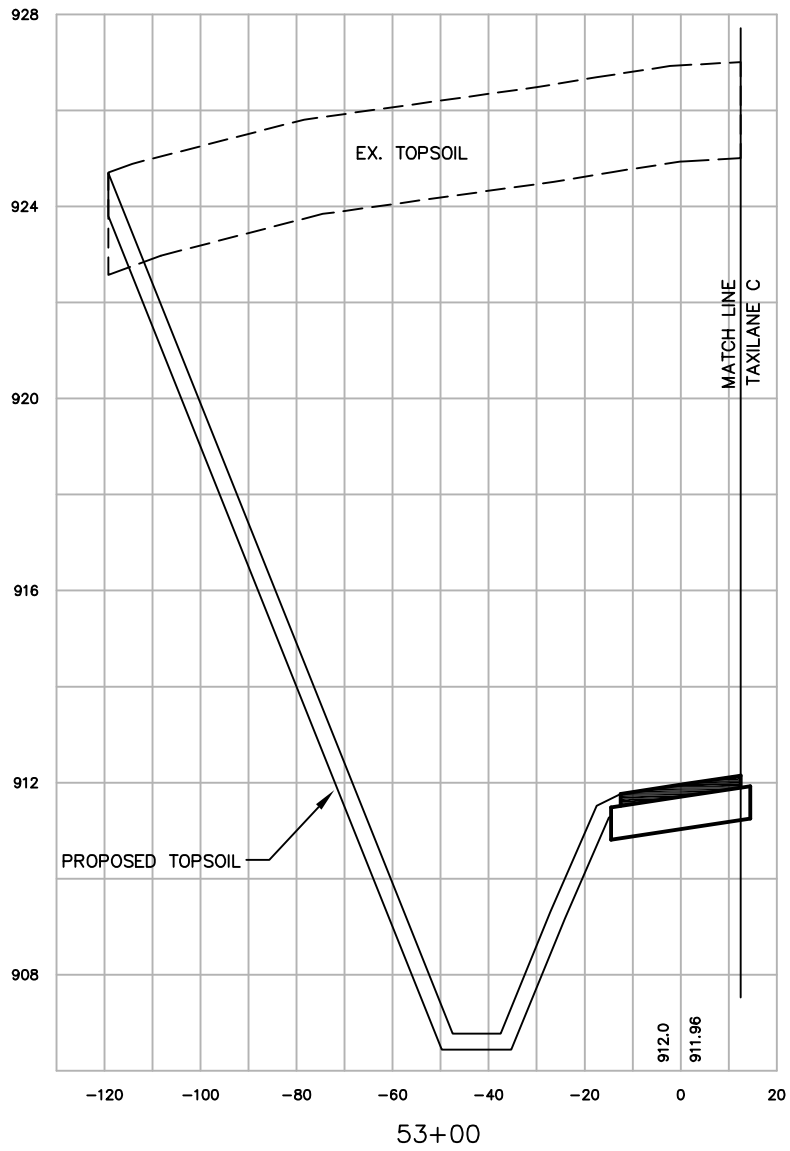
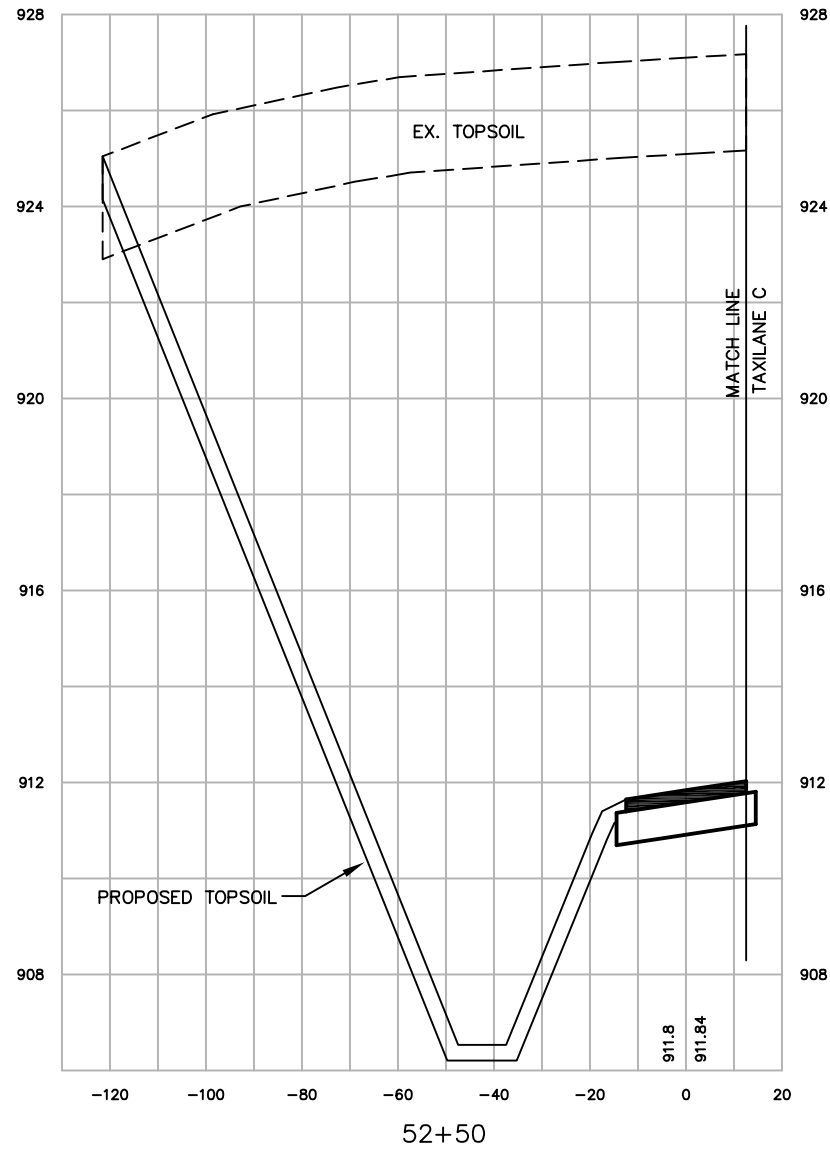


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| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
ROADWAY W**

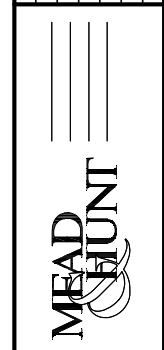
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| A.I.P. PROJECT NO. | 3-55-0090-22   |
| JOB NO.            | 23099-90-04004 |
| DWG NO.            | 9004004112.dwg |
| SHEET NO.          | 110 of 130     |

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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE | REVISION | INITIAL |
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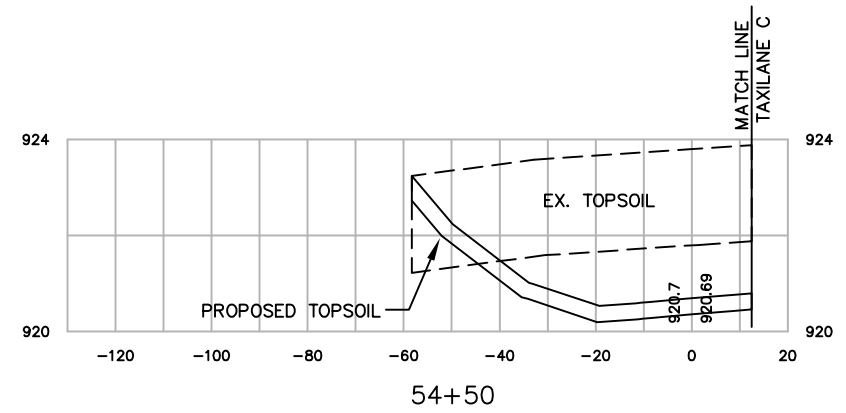
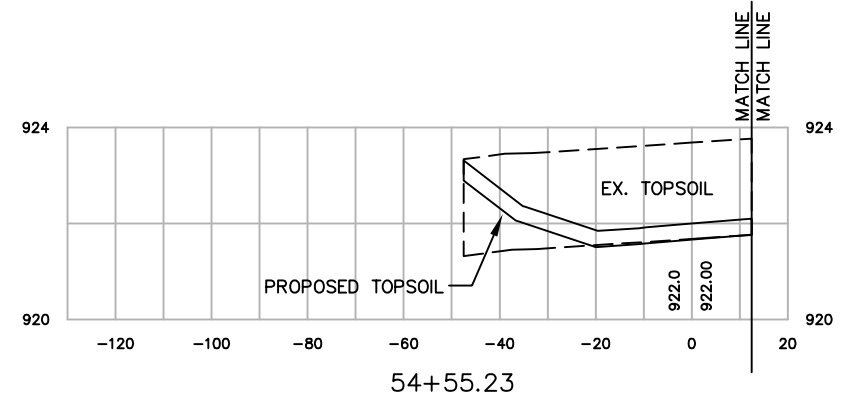
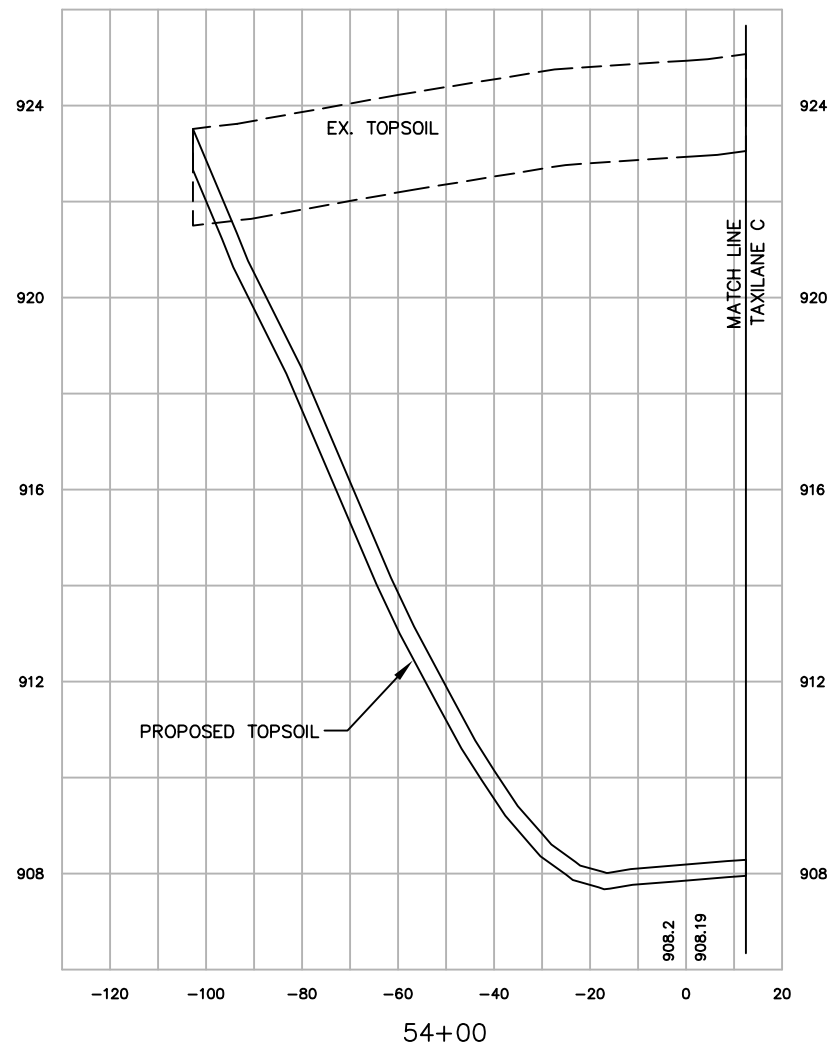
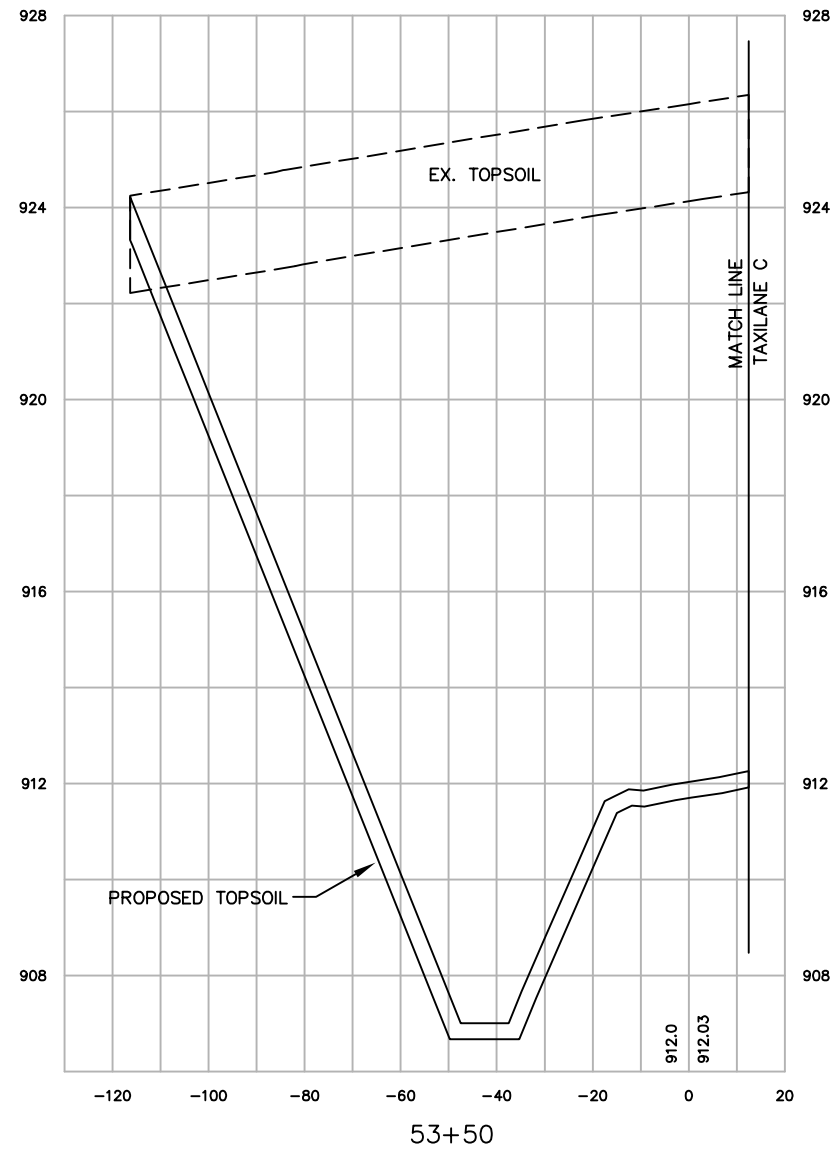
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| DATE     | \$DATE\$ |
| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
ROADWAY W**

|                    |                |
|--------------------|----------------|
| A.I.P. PROJECT NO. | 3-55-0090-22   |
| JOB NO.            | 23099-90-04004 |
| DWG NO.            | 9004004112.dwg |
| SHEET NO.          | 111 of 130     |



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SCALE:  
VERT. 1"=4'  
HORIZ. 1"=40'

| NO. | DATE | REVISION | INITIAL |
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|----------|----------|
| DATE     | \$DATE\$ |
| DESIGNED | MJK      |
| DRAWN    | MJK      |
| CHECKED  | GAS      |

WAUKESHA COUNTY AIRPORT  
**HANGAR AREA  
CROSS SECTIONS  
ROADWAY W**

|                    |                |
|--------------------|----------------|
| A.I.P. PROJECT NO. | 3-55-0090-22   |
| JOB NO.            | 23099-90-04004 |
| DWG NO.            | 9004004112.dwg |
| SHEET NO.          | 112 of 130     |