CONSTRUCTION PLANS - ISSUED NOVEMBER 19, 2021

REHABILITATE INTERIOR PERIMETER SERVICE ROAD

MT. VERNON AIRPORT AUTHORITY

MT. VERNON OUTLAND AIRPORT (MVN)

MT. VERNON, JEFFERSON COUNTY, ILLINOIS

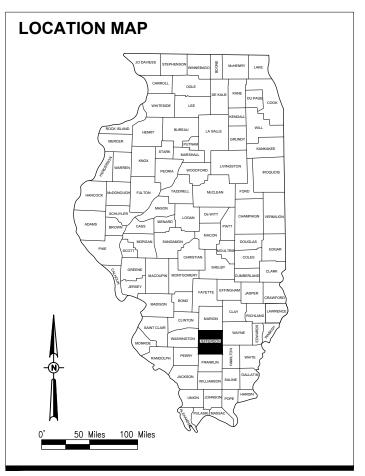
IDA PROJECT NO. MVN-4890 SBG PROJECT NO. 3-17-SBGP-139/144/156/162

PROJECT LOCATION

SCOPE OF WORK:

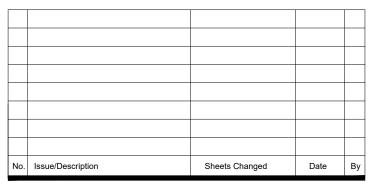
THIS PROJECT SHALL CONSIST OF REHABILITATING THE SERVICE ROAD AROUND THE APPROACH END OF RUNWAY 33, TO INCLUDE MILLING/RESHAPING OF THE EXISTING MATERIAL, WITH A PROPOSED BITUMINOUS OVERLAY, AND ASSOCIATED WORK ITEMS.

Walnut Hill Walnu

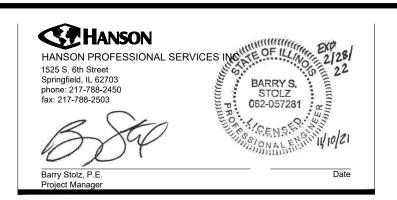


NOTICE TO CONTRACTORS AND BIDDERS

THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.









	SUMMARY OF QUANTITIES						
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY			
AR150510	ENGINEER'S FIELD OFFICE	L SUM	1				
AR150520	MOBILIZATION	L SUM	1				
AR150530	TRAFFIC MAINTENANCE	L SUM	1				
AR152411	UNCLASSIFIED EXCAVATION	L SUM	1				
AR156500	TEMPORARY EROSION CONTROL	L SUM	1				
AR156540	RIPRAP	SQ YD	40				
AR401111	PAVEMENT PREPARATION	SQ YD	4,445				
AR401613	BIT. SURF. CSEMETHOD I, SUPERPAVE	TON	903				
AR403621	BIT. BASE CSE., LEVELING, SUPERPAVE	TON	530				
AR602510	BITUMINOUS PRIME COAT	GALLON	1,612				
AR603510	BITUMINOUS TACK COAT	GALLON	679				
AR701518	18" RCP, CLASS IV	FOOT	98				
AR701900	REMOVE PIPE	FOOT	57				
AR752418	PRECAST REINFORCED CONC. FES 18"	EACH	2				
AR800424	INSTALL INFORMATION SIGN	EACH	1				
AR901510	SEEDING	ACRE	0.54				
AR905530	TOPSOILING	SQ YD	2,622				
AR908514	LIGHT-DUTY HYDRAULIC MULCH	ACRE	0.54				

GENERAL NOTES:

QUANTITIES
PAYMENT WILL BE MADE UNDER THE ITEM NUMBERS, DESCRIPTIONS AND UNITS NOTED IN THE ABOVE TABLE IN ACCORDANCE WITH THE BASIS OF PAYMENT FOR EACH RESPECTIVE WORK ITEM COMPLETED AND ACCEPTED BY THE ENGINEER.

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

MATERIALS TO BE INCORPORATED INTO THE PROJECT CANNOT BE USED WITHOUT PRIOR APPROVAL. ALL MATERIALS TO BE USED IN THE PROJECT MUST BE SUBMITTED TO THE RESIDENT ENGINEER/TECHNICIAN FOR APPROVAL. USE OF MATERIALS WITHOUT PRIOR APPROVAL AND ULTIMATELY DETERMINED TO BE UNACCEPTABLE BY THE ILLINOIS DIVISION OF AERONAUTICS ARE SUBJECT TO REMOVAL AND/OR NON-PAYMENT.

FILES FOLLOWING THE PROJECT AWARD, THE ENGINEER CAN PROVIDE THE RELEVANT AUTOCAD AND CIVIL 3D SURFACE MODEL FILES TO THE AWARDED CONTRACTOR UPON REQUEST TO ASSIST WITH CONSTRUCTION LAYOUT.

	INDEX TO SHEETS
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	SCOPE OF WORK
4	CONSTRUCTION SAFETY AND PHASING PLAN
5	CONSTRUCTION SAFETY AND PHASING DETAILS AND NOTES
6	TYPICAL SECTIONS
7	PROPOSED CONSTRUCTION PLAN - SHEET 1
8	PROPOSED CONSTRUCTION PLAN - SHEET 2
9	PROPOSED PLAN AND PROFILE - SHEET 1
10	PROPOSED PLAN AND PROFILE - SHEET 2
11	PROPOSED PLAN AND PROFILE - SHEET 3
12	PROPOSED MARKING PLAN
13	PROPOSED STORMWATER POLLUTION PREVENTION PLAN
14	PROPOSED CROSS SECTIONS STA. 13+50 TO STA. 20+50
15	PROPOSED CROSS SECTIONS STA. 21+00 TO STA. 28+00
16	PROPOSED CROSS SECTIONS STA. 28+50 TO STA. 35+50
17	PROPOSED CROSS SECTIONS STA. 36+00 TO STA. 38+50

EARTHWORK QUANTITY SUMMARY						
CALCULATION	CUT (CY)	FILL (CY)	FILL + 20% (CY)	NET (CY)		
EXISTING GROUND VS. DATUM	115	278	334	219 (BORROW)		
TOTAL	115	278	334	219 (BORROW)		

NOTES:

EARTHWORK QUANTITIES (CUT/FILL VOLUMES) FOR THE "EXISTING GROUND VS. DATUM" SHOWN ABOVE WERE CALCULATED UTILIZING AUTODESK CIVIL3D 2021 SOFTWARE THROUGH AUTOCAD. THE CALCULATION METHOD WAS BY A COMPARISON OF SURFACE MODELS CREATED WITH EXISTING SURVEY DATA AND PROPOSED DESIGN GRADES. THE VOLUMES WERE CALCULATED AS THE CUT/FILL VOLUMES REQUIRED FOR PROPOSED GRADING WORK OUTSIDE OF THE PROPOSED PAVEMENT LIMITS AS COMPARED TO THE EXISTING GROUND SURFACE.



Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450 fax: 217-788-2503

Offices Nationwide www.hanson-inc.com

Professional Service Corporation #184-001084



MT. VERNON OUTLAND AIRPORT 100 Aviation Drive Mt. Vernon, IL 62864



REHABILITATE INTERIOR PERIMETER SERVICE ROAD

SBG No: 3-17-SBGP-139/144/156/162 IDA No: MVN-4890

Contract No. MV066

	NO.	DATE	DESCRIPTION		
	NO.	DATE	DES	DWN	REV
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DRAWN BY: JRH 10/22/2021 REVIEWED BY: BSS 10/22/2021

SHEET TITLE

SUMMARY OF **QUANTITIES AND INDEX TO SHEETS**

- THE SCOPE OF WORK SHEET IS INTENDED ONLY AS A GENERAL DESCRIPTION OF WORK ITEMS AND THEIR APPROXIMATE LOCATIONS AND LIMITS, FOR THE PURPOSE OF UNDERSTANDING THE SCOPE OF THE PROJECT. THIS SHEET SHALL NOT BE USED AS A CONSTRUCTION PLAN. REFER TO THE FOLLOWING PLAN SHEETS FOR DETAILED CONSTRUCTION REQUIREMENTS, LOCATIONS, AND ITEMS OF WORK.
- THIS WORK FOR THIS PROJECT SHALL CONSIST OF REHABILITATING THE SERVICE ROAD AROUND THE APPROACH END OF RUNWAY 33, TO INCLUDE MILLING/RESHAPING OF THE EXISTING MATERIAL, WITH A PROPOSED BITUMINOUS OVERLAY, AND ASSOCIATED WORK ITEMS.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND
- THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT, PRESERVE AND REPAIR THE EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES AT NO ADDITIONAL COST TO THE CONTRACT
- NO EQUIPMENT SHALL BE PERMITTED TO CROSS OR USE ANY EXISTING PAVEMENT OUTSIDE THE CONSTRUCTION LIMITS, GENERAL PROJECT AREA OR HAUL ROUTE.
- CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES
- UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS SHALL BE GRADED, SEEDED AND/OR HYDROMULCH SEEDED IN ACCORDANCE WITH ITEM 901 AND 908 AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL WASTE MATERIAL SHALL BE HAULED FROM THE AIRPORT AND PROPERLY DISPOSED OF UNLESS OTHERWISE SPECIFIED HEREIN.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL
- 11. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE
- 12. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER / TECHNICIAN SO THEY MAY DEVELOP ONE SET OF REDLINED AS-BUILT RECORD DRAWINGS AT THE COMPLETION OF THE PROJECT
- 13. THE CONSTRUCTION LIMITS SHALL BE RESTRICTED TO AREAS THAT ARE ABSOLUTELY NECESSARY TO DISTURB TO COMPLETE THE REQUIRED WORK ITEMS. LIMITS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER PRIOR TO BEGINNING ANY WORK.
- 14. CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ALL GRASS, STONE, OR PAVEMENT DISTURBED BY CONTRACTOR'S CONSTRUCTION OPERATIONS, STAGING, AND CONSTRUCTION ACCESS ROUTES. DISTURBED AREAS TO BE REPAIRED, GRADED, AND MULCHED SEEDED IN ACCORDANCE WITH ITEMS 901 AND 908, UNLESS OTHERWISE NOTED. STAGING AREA AND SITE ACCESS RESTORATION SHALL BE INCLUDED IN THE COST OF
- 15. THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER/ TECHNICIAN IS TO BE INCLUDED IN THE COSTS OF PERFORMING
- 16. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER PERSONS FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.
- 17. THE CONTRACTOR MUST AT ALL TIMES MAINTAIN PROPER DRAINAGE FOR ALL AREAS AFFECTED BY HIS WORK.

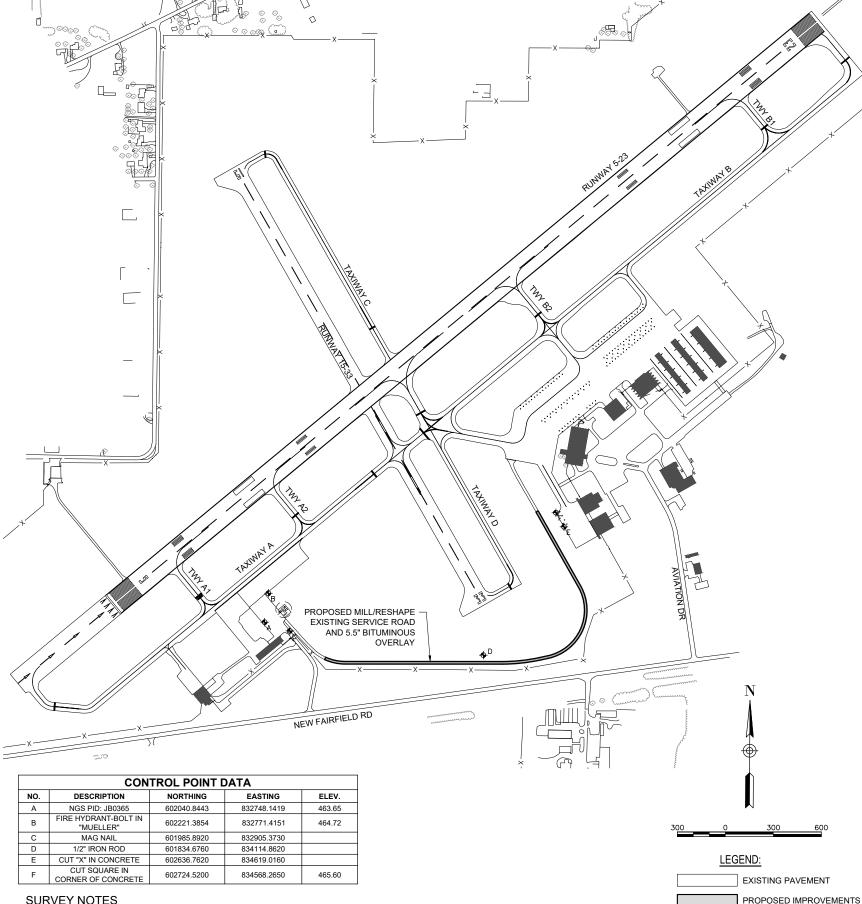
THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY COMPLETENESS, OR SUFFICIENCY 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 ITS 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 THE RESIDENT ENGINEER/TECHNICIAN 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 ÁSSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND LOCATED BY THE FAA. ALSO CONTACT AIRPORT MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

J.U.L.I.E. INFORMATION
J.U.L.I.E. INFURIVIATION

TOWNSHIP ___MT. VERNON SECTION NO._ _22, 23, 26 & 27 MT. VERNON AIRPORT AUTHORITY **ADDRESS** 100 AVIATION DRIVE MT. VERNON, ILLINOIS 62864





SURVEY NOTES

- ALL COORDINATE VALUES SHOWN IN TABLE ARE BASED ON ILLINOIS STATE PLANE - EAST ZONE NAD-83 (2007).
- 2. REFER TO IDOT STANDARD SPECIFICATIONS 50-06 CONSTRUCTION LAYOUT STAKES, FOR ADDITIONAL INFORMATION.



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Contract No. MV066

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PROJECT NO: 21A0069					
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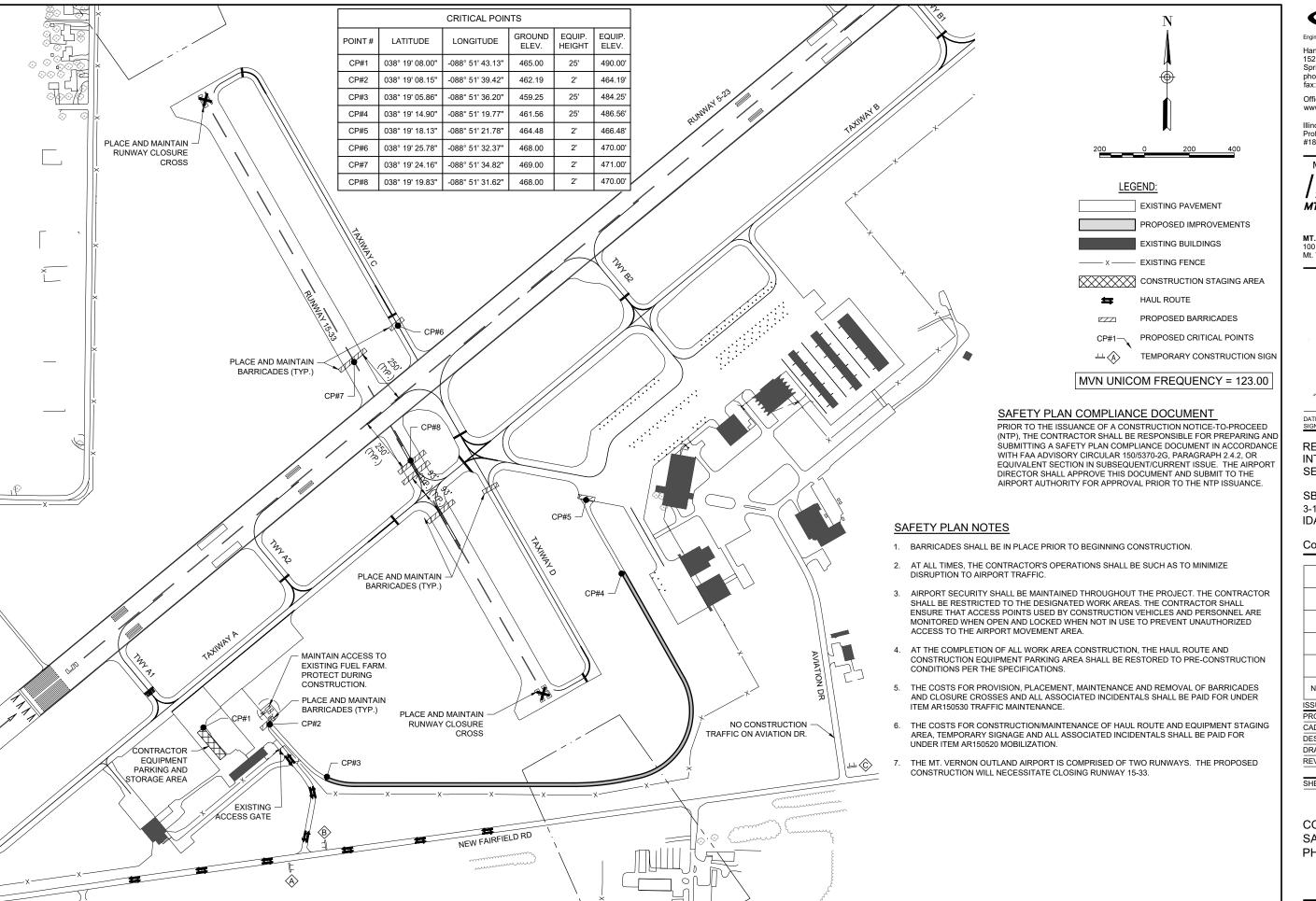
DESIGN BY: JRH 10/22/2021 DRAWN BY: JRH 10/22/2021 REVIEWED BY: BSS 10/22/2021

SHEET TITLE

SCOPE OF WORK

FOR BID

EXISTING BUILDINGS



Engineering | Planning | Allied Services

Engineering | Flamming | Allieu Servic

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DATE LICENSE

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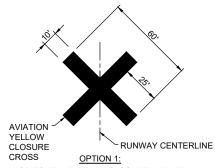
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DESIGN BY: JRH 10/22/2021
DRAWN BY: JRH 10/22/2021

REVIEWED BY: BSS 10/22/2021

SHEET TITLE

CONSTRUCTION SAFETY AND PHASING PLAN





CROSS <u>OPTION 1:</u>

HORIZONTAL RUNWAY CLOSURE MARKER L-893 LIGHTED RUNWAY CLOSURE MARKER

RUNWAY CLOSURE CROSS MARKER DETAIL

NOT TO SCALE

CLOSURE CROSS NOTES

- RUNWAY CLOSURE CROSS MARKINGS SHALL BE LIGHTED DURING DARKNESS AND PERIODS OF REDUCED VISIBILITY. THE LIGHTED MARKERS SHALL BE PLACED OVER THE RUNWAY NUMERALS OR IMMEDIATELY OFF THE END OF THE RUNWAY ON THE EXTENDED CENTERLINE, AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
- 2. THE CONTRACTOR SHALL PROVIDE THE CLOSURE CROSSES BY ONE OF TWO OPTIONS:

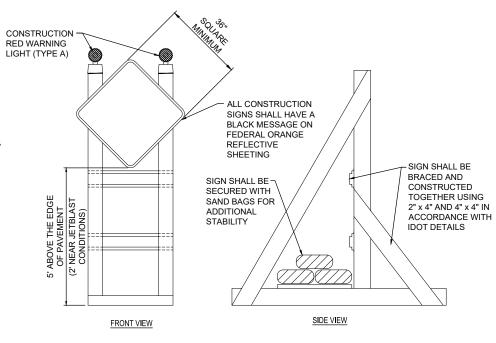
OPTION 1: TEMPORARY CLOSURE CROSS MARKINGS SHALL BE CONSTRUCTED OF PLYWOOD, SNOW FENCE OR APPROVED FABRIC AND SHALL BE SECURED TO PAVEMENT BY SANDBAGS OR OTHER APPROVED METHOD.

OPTION 2: THE CONTRACTOR SHALL PROVIDE TWO (2) L-893 LIGHTED RUNWAY CLOSURE MARKERS, MEETING THE REQUIREMENTS IN FAA ADVISORY CIRCULAR 150/5345-55 AND SHALL BE IN PLACE AND OPERATING WHENEVER THE RUNWAY IS CLOSED AND REMOVED WHEN THE RUNWAY IS RE-OPENED.

- 3. THE CONTRACTOR SHALL MAKE FREQUENT INSPECTION OF THE LIGHTED CROSSES AND MAKE PROMPT REPAIRS AS NECESSARY.
- THE CONTRACTOR SHALL BE ON-CALL FOR 24-HOUR EMERGENCY MAINTENANCE WHEN LIGHTED CROSSES ARE BEING USED.
- LIGHTED MARKERS SHALL BE SECURED FROM WIND EFFECTS BY THE CONTRACTOR AS RECOMMENDED BY THE MANUFACTURER.
- COST FOR PROVIDING, PLACING, OPERATING, MAINTAINING, RELOCATING AND REMOVING CLOSURE CROSSES SHALL BE INCLUDED IN THE COST OF THE MOBILIZATION ITEM.

BARRICADE NOTES

- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE ILLINOIS SUPPLEMENT (LATEST EDITION) AND THE FAA ADVISORY CIRCULARS (LATEST EDITION) UNLESS NOTED OTHERWISE. THE FAA OR MORE STRINGENT SPECIFICATIONS SHALL GOVERN
- 2. BARRICADES SHALL BE SPACED END TO END THE WIDTH OF THE PAVEMENT IN 4' INCREMENTS. BARRICADES ARE TO BE SET BACK 93' FROM THE ACTIVE TAXIWAY CENTERLINE OR AS SHOWN ON THE PLANS.
- CONSTRUCTION RED WARNING LIGHT FOR BARRICADES: THESE ARE
 PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT
 EMITTED SHALL BE RED. THEY MAY BE USED IN EITHER A STEADY BURN
 (TYPE C) OR LOW INTENSITY FLASHING MODE (TYPE A) UNLESS NOTED
 OTHERWISE.
- 4. THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR BEFORE SUNSET AND 1/2 HOUR AFTER SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION
- BARRICADES SHALL BE SECURED TO THE GROUND BY APPROVED METHODS TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS.
- THE ONLY PERMITTED COLOR COMBINATION ON BARRICADES IS ORANGE AND WHITE. THE ORANGE STRIPES SHALL BE ENCAPSULATED LENS REFLECTIVE SHEETING. THE WHITE STRIPES SHALL BE EITHER ENCAPSULATED OR ENCLOSED LENS REFLECTIVE SHEETING AND MUST BE IN ACCEPTABLE CONDITION
- COST FOR PROVIDING, PLACING, MAINTAINING, RELOCATING AND REMOVING BARRICADES SHALL BE INCLUDED IN THE COST OF THE MOBILIZATION ITEM.



SIGNAGE NOTES

- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE ILLINOIS SUPPLEMENT (LATEST EDITION) AND THE FAA ADVISORY CIRCULARS (LATEST EDITION) UNLESS NOTED OTHERWISE. THE FAA OR MORE STRINGENT SPECIFICATIONS SHALL GOVERN.
- 2. UNLESS OTHERWISE SPECIFIED, CONSTRUCTION SIGNS SHALL BE MOUNTED ON PORTABLE OR NON-PORTABLE SUPPORTS. A PORTABLE SUPPORT IS DEFINED AS A TYPICAL SIGN STANDARD AS SHOWN ON THIS SHEET, OR A SMALL LIGHT WEIGHT TRAILER. A NON-PORTABLE SUPPORT IS DEFINED AS DRIVEN METAL OR WOOD POST. ALL SIGNS, REGARDLESS OF THE TYPE OF SUPPORTS USED, SHALL BE MOUNTED SUCH THAT THE MESSAGE ON THE SIGN IS LEVEL IN THE HORIZONTAL PLANE AFTER PLACEMENT. THE COST OF CONSTRUCTION WARNING LIGHTS SHALL BE INCLUDED IN THE COST OF THE CONSTRUCTION SIGNS.
- 3. CONSTRUCTION RED WARNING LIGHT FOR SIGNAGE: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY ARE TO BE USED IN A LOW INTENSITY FLASHING MODE (TYPE A).
- 4. THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR BEFORE SUNSET AND 1/2 HOUR AFTER SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION
- 5. COST FOR PROVIDING, PLACING, MAINTAINING, AND REMOVING SIGNS SHALL BE INCLUDED IN THE COST OF THE MOBILIZATION ITEM.



CONSTRUCTION SIGNS

NOT TO SCALE

SAFETY NOTES

- FOLLOWING ARE THE CONSTRUCTION SAFETY PROCEDURES THAT THE CONTRACTOR SHALL FOLLOW THROUGHOUT THIS PROJECT. ADDITIONAL REQUIREMENTS ARE SHOWN ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEET AND THIS SHEET.
- ALL PROVISIONS OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN, OR AS MODIFIED BY THE OWNER THROUGH THE RESIDENT ENGINEER/TECHNICIAN AT THE PRECONSTRUCTION CONFERENCE. OR DURING THE COURSE OF THE CONTRACT.
- 3. THE CONTRACTORS SHALL MINIMIZE DISRUPTION OF STANDARD OPERATING PROCEDURES FOR AERONAUTICAL ACTIVITY BY REMAINING WITHIN THE PRESCRIBED STAGING, CONSTRUCTION, AND PHASING AREAS PRESENTED ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEETS.
- 4. NO UNAUTHORIZED PERSONNEL SHALL ENTER ANY AREA OF THE AIRPORT THAT COULD POTENTIALLY BE HAZARDOUS. THE AIRPORT MANAGER RESERVES THE RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTAIN SAFETY AT THE AIRPORT.
- CONTRACTOR EQUIPMENT, VEHICLES, AND PROJECT MATERIALS SHALL BE STORED AT THE STAGING AREA SHOWN ON THE PLAN VIEW, EXCEPT AS OTHERWISE PROVIDED FOR AT THE PRECONSTRUCTION CONFERENCE
- ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" LATEST EDITION.
- NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN 250' OF ANY ACTIVE RUNWAY, WITHIN 93' OF ANY OTHER ACTIVE AIRPORT OPERATIONS AREA, OR PENETRATE A PART 77 IMAGINARY SURFACE (PROVIDED BY THE RESIDENT ENGINEER/TECHNICIAN) EXTENDING OUT AND UPWARDS FROM ALL SIDES OF AN ACTIVE RUNWAY.
- 8. CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION, LATEST EDITION. LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2, LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- NO OPEN TRENCHES WITHIN 250' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 93' OF ANY AIRPORT OPERATIONS AREA WILL BE PERMITTED UNLESS PROPERLY MARKED. OTHER TRENCHES SHALL BE MAINTAINED SAFE, I.E., BARRICADED OR COVERED WITH STEEL PLATES IN ALL OTHER AREAS.
- 10. OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHOULD BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS
- 11. NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT. HOWEVER OTHER EQUIPMENT TALLER THAN 25' MAY BE PERMITTED WITH THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.
- 12. NO OPEN FLAME WELDING OR TORCH CUTTING OPERATION IS PERMITTED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED BY THE AIRPORT MANAGER NO FLARE DOOS ARE ALL OWED ON THE PROJECT.
- 13. SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRACKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEPT, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER.
- 14. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS. STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- 15. ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- 16. CONTRACTOR SHALL PLACE, SECURE, AND MAINTAIN LIGHTED BARRICADES AND CLOSURE CROSSES WHEN A RUNWAY/TAXIWAY/APRON IS CLOSED OR AS REQUIRED BY THE PLANS AND DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN.
- 17. CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- 18. THE CONTRACTOR SHALL PERIODICALLY PERFORM ONSITE INSPECTIONS THROUGHOUT THE DURATION OF THE PROJECT WITH THE IMMEDIATE REMEDY OF ANY DIFFERENCES, WHETHER CAUSED BY NEGLIGENCE, OVERSIGHT, OR PROJECT SCOPE CHANGE.
- 19. CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- 20. CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- 21. CONTRACTOR SHALL MAINTAIN FLASHERS, SIGNS AND/OR BARRICADES AS REQUIRED BY THE PLANS, CITY OR COUNTY REGULATIONS OR CONTRACTOR ACTIVITIES. CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED LOCAL PERMITS UNLESS SPECIFIED OTHERWISE.
- 22. THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST.
- 23. NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE RUNWAY, INCLUDING TURF RUNWAYS, CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 250' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 93' OF ANY OTHER ACTIVE AIRPORT TAXIWAY OR APRON. HOWEVER, CONSTRUCTION MAY BE PERMITTED IN THESE AREAS IF THE CONTRACTOR HAS GAINED APPROVAL FROM THE AIRPORT MANAGER AT LEAST 7 DAYS IN ADVANCE OF THE SCHEDULED CONSTRUCTION PERIOD AND THE OPERATIONAL AREA IS CLOSED TO TRAFFIC AND PROPER NOTAMS ARE ISSUED BY THE AIRPORT MANAGER TO THE APPROPRIATE FLIGHT SERVICE STATION.
- 24. UNLESS SPECIFIED OTHERWISE, COST FOR THE ABOVE IS TO BE CONSIDERED INCIDENTAL TO THE PROJECT. SEPARATE PAYMENT SHALL NOT BE MADE.

FOR BID



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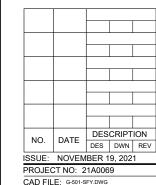


DATE LICENSE SIGNED: 11/10/2021 EXPIRES: 2/28/2022

REHABILITATE INTERIOR PERIMETER SERVICE ROAD

SBG No: 3-17-SBGP-139/144/156/162 IDA No: MVN-4890

Contract No. MV066

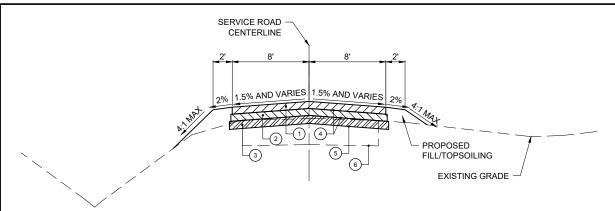


DESIGN BY: JRH 10/22/2021 DRAWN BY: JRH 10/22/2021

REVIEWED BY: BSS 10/22/2021

SHEET TITLE

CONSTRUCTION SAFETY AND PHASING DETAILS AND NOTES

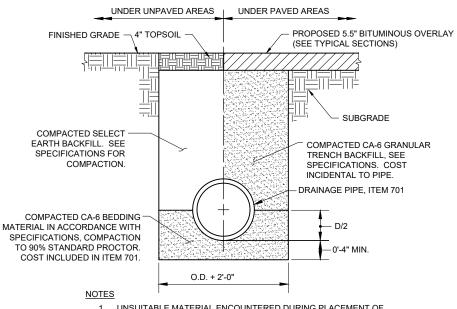


TYPICAL SECTION - SERVICE ROAD NOT TO SCALE

- 1 PROPOSED 1-3/4" BITUMINOUS SURFACE COURSE (ITEM 401)
- 2 PROPOSED 1-3/4" BITUMINOUS SURFACE COURSE (ITEM 401)
- 3 PROPOSED 2" BIT. BASE CSE., LEVELING, SUPERPAVE (ITEM 403)
- (4) PROPOSED BITUMINOUS TACK COAT (ITEM 603)
- (5) PROPOSED BITUMINOUS PRIME COAT (ITEM 602)
- 6 EXISTING PAVEMENT SECTION
 -8" HMA ON 6" CRUSHED AGG. STA. 10+00 TO STA. 13+90.13
 -2" OIL & CHIP ON 6" CRUSHED AGG. STA. 13+90.13 TO STA. 38+25.15
 -5" HMA ON 4" CRUSHED AGG. STA. 38+25.15 TO STA. 42+14.86

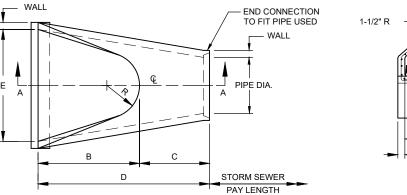
HOT-MIX ASP	HALT MIXTURE REQUIREMENTS	
ITEM	MIXTURE TYPE	AIR VOIDS (%) @ Ndes
ITEM 401 BIT. SURF. CSEMETHOD I, SUPERPAVE	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5), - 1-3/4" (2 LIFTS)	4% @ 50 GYR
ITEM 403 BIT. BASE CSE., LEVELING, SUPERPAVE	LEVELING BINDER (MACHINE METHOD), N50 (IL-9.5), - 2" (1 LIFT)	4% @ 50 GYR

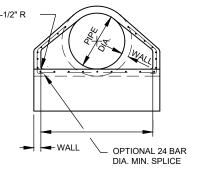
- . THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE AND BASE QUANTITIES IS 115 LBS/SQ YD/IN. (0.0575 TONS/SQ YD/IN.)
- 2. THE "AC TYPE" SHALL BE "PG 64-22".
- SECTION 406 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED APRIL 1, 2016 SHALL GOVERN ALL MATERIAL REQUIREMENTS FOR THIS ITEM.



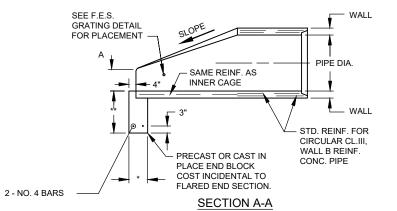
- UNSUITABLE MATERIAL ENCOUNTERED DURING PLACEMENT OF BEDDING SHALL BE REMOVED AND REPLACED.
- 2. WITHIN 3 FEET OF PAVED AREA, GRANULAR BACKFILL IS TO BE USED INSTEAD OF EARTH BACKFILL.
- AT CONTRACTOR'S OPTION IDOT CONTROLLED LOW STRENGTH MATERIAL WITH A HIGH EARLY STRENGTH, "FLASH FILL", MAY BE USED INSTEAD OF GRANULAR TRENCH BACKFILL UNDER PAVEMENTS.

PIPE TRENCH
NOT TO SCALE





END VIEW



TOP VIEW

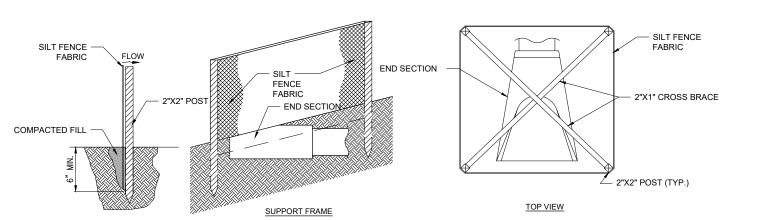
8" - 36" DIA. PIPE OR LESS 10" - GREATER THAN 36" DIA. PIPE

18" - 36" DIA. PIPE OR LESS 24" - GREATER THAN 36" DIA. PIPE

PIPE WALL С D Е SLOPE DIA. 3'-10" 6'-1" 18" 2-1/2" 9" 27" 36" 12" 1:2.4

PRECAST CONCRETE FLARED END SECTION

(IDOT STANDARD 542301-03) NOT TO SCALE



FABRIC INLET/END SECTION PROTECTION

NOT TO SCALE

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REHABILITATE INTERIOR PERIMETER SERVICE ROAD

SBG No: 3-17-SBGP-139/144/156/162

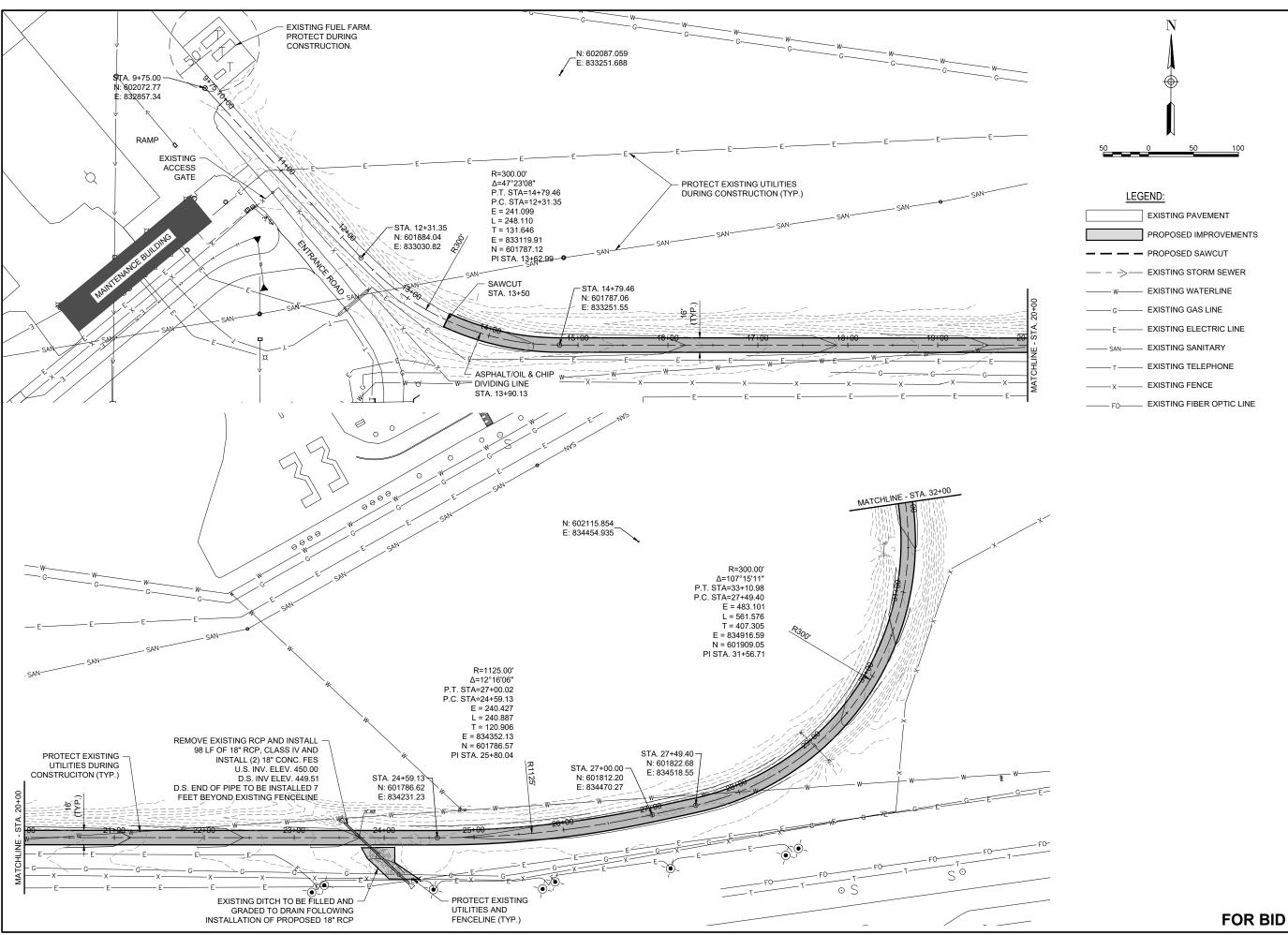
IDA No: MVN-4890 Contract No. MV066

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PROJEC	CT NO: 2	1A006	9		
CAD FIL	E: C-301-T	YP.DWG			
DESIGN BY: JRH 10/22/2021					
DRAWN	BY: JRH	1 10/2	2/2021	1	

TYPICAL SECTIONS

SHEET TITLE

REVIEWED BY: BSS 10/22/2021



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Contract No. MV066

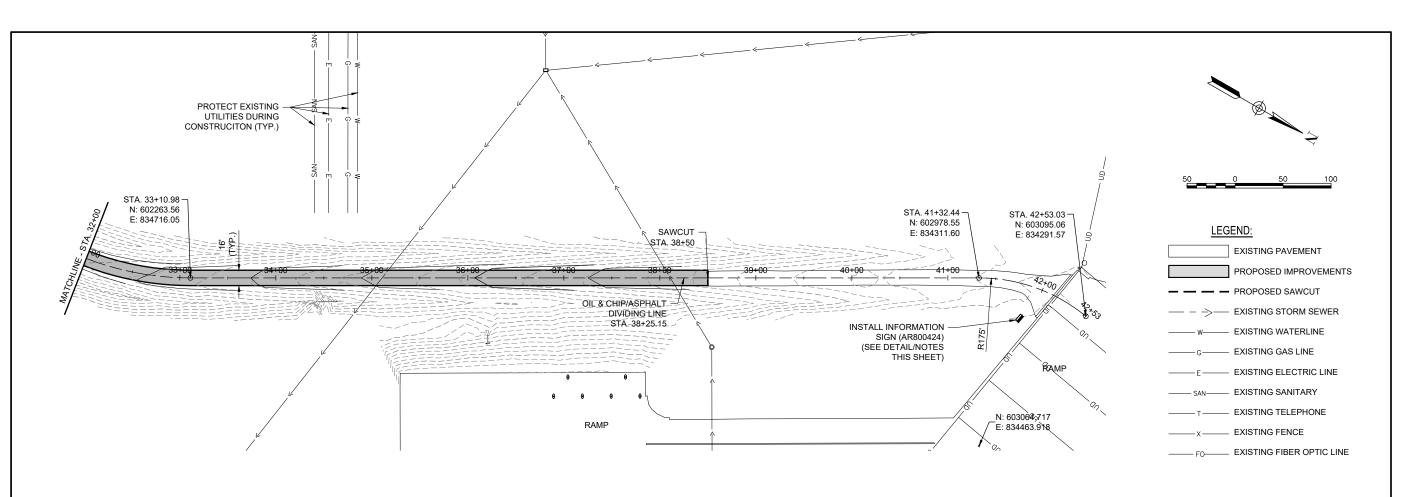
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NO.	DATE	DES	DWN	REV
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PROJEC	CT NO: 2	1A006	9	
CAD FILE: C-121-CON.DWG				

DESIGN BY: JRH 10/22/2021 DRAWN BY: JRH 10/22/2021

REVIEWED BY: BSS 10/22/2021

SHEET TITLE

PROPOSED CONSTRUCTION PLAN - SHEET 1

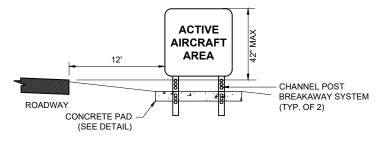






ROAD FACING LEGEND 30 IN. X 30 IN.

RAMP FACING LEGEND 30 IN. X 30 IN.

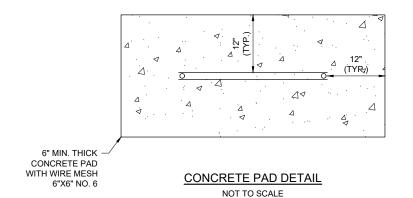


HEIGHT AND LATERAL LOCATION

INFORMATION SIGN DETAILS NOT TO SCALE

INFORMATION SIGN NOTES

- 1. THE PROPOSED INFORMATION SIGN SHALL CONSIST OF TWO SIGN PANELS INSTALLED BACK TO BACK AT A SINGLE LOCATION AS SHOWN ON THE PLAN VIEW. THE SIGN PANELS SHALL BE REFLECTIVE SHEET METAL, INSTALLED ON CHANNEL POSTS WITH A BREAKAWAY SYSTEM ON EACH POST, WITH A CONCRETE BASE. ENTIRE INSTALLATION SHALL BE QUANTIFIED AS ONE (1) INFORMATION SIGN.
- 2. PROPOSED INFORMATION SIGN SHALL BE LOCATED SUCH THAT THE CLOSEST SIDE OF THE SIGN IS 12' FROM THE ROAD PAVEMENT EDGE AND 12' FROM THE RAMP EDGE, UNLESS SHOWN OTHERWISE.
- 3. INFORMATION SIGN PANEL LEGENDS SHALL HAVE WHITE LETTERS/ CHARACTERS ON RED BACKGROUND IN ACCORDANCE WITH THE DETAILS.
- 4. THE CONCRETE USED IN THE CONSTRUCTION OF THESE ITEMS SHALL BE IN ACCORDANCE WITH ITEM 610 STRUCTURAL PORTLAND CEMENT CONCRETE.



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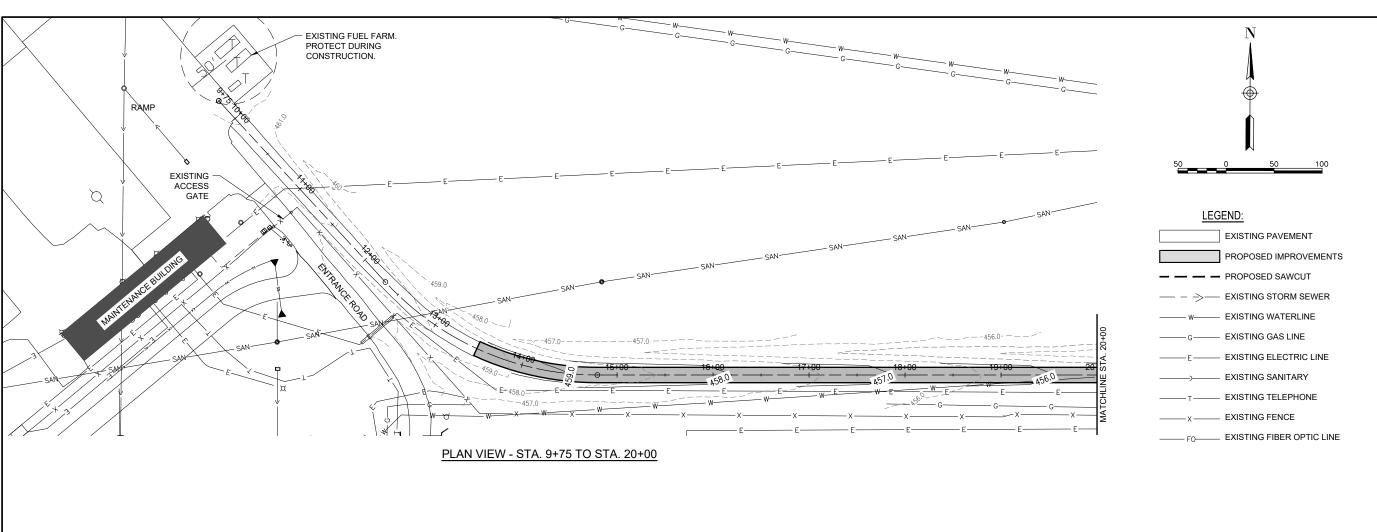
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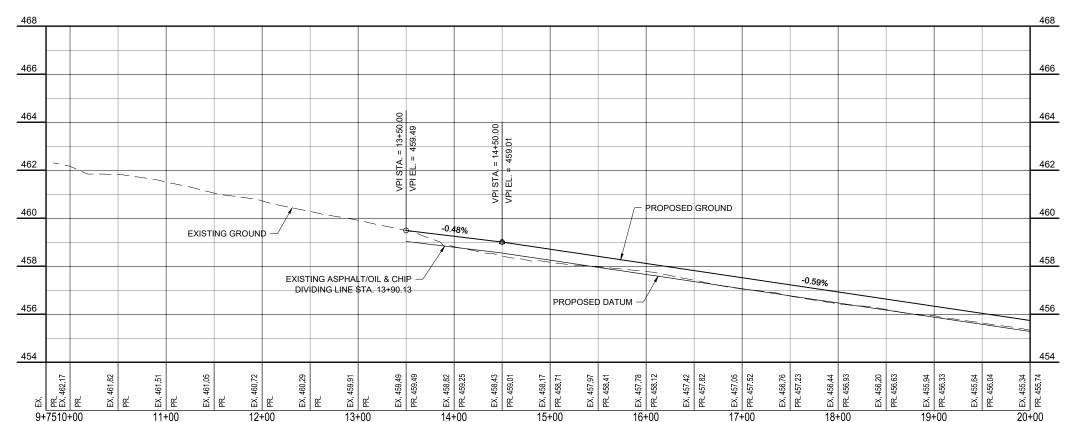
DESIGN BY: JRH 10/22/2021
DRAWN BY: JRH 10/22/2021

REVIEWED BY: BSS 10/22/2021

SHEET TITLE

PROPOSED CONSTRUCTION PLAN - SHEET 2





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CAD FILE: C-701-PNP.DWG

DESIGN BY: JRH 10/22/2021

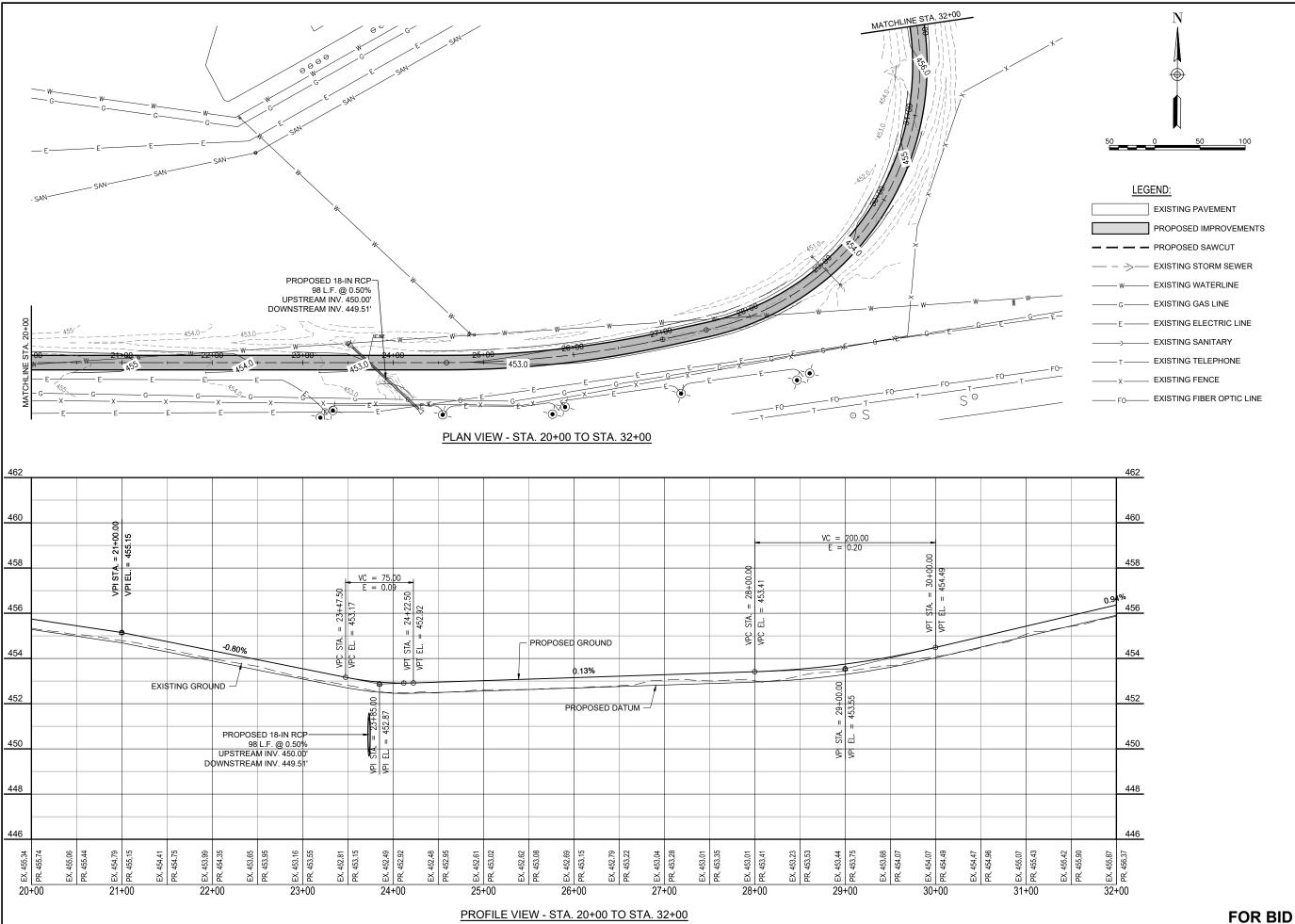
DRAWN BY: JRH 10/22/2021

REVIEWED BY: BSS 10/22/2021

SHEET TITLE

PROPOSED PLAN AND PROFILE -SHEET 1

PROFILE VIEW - STA. 9+75 TO STA. 20+00



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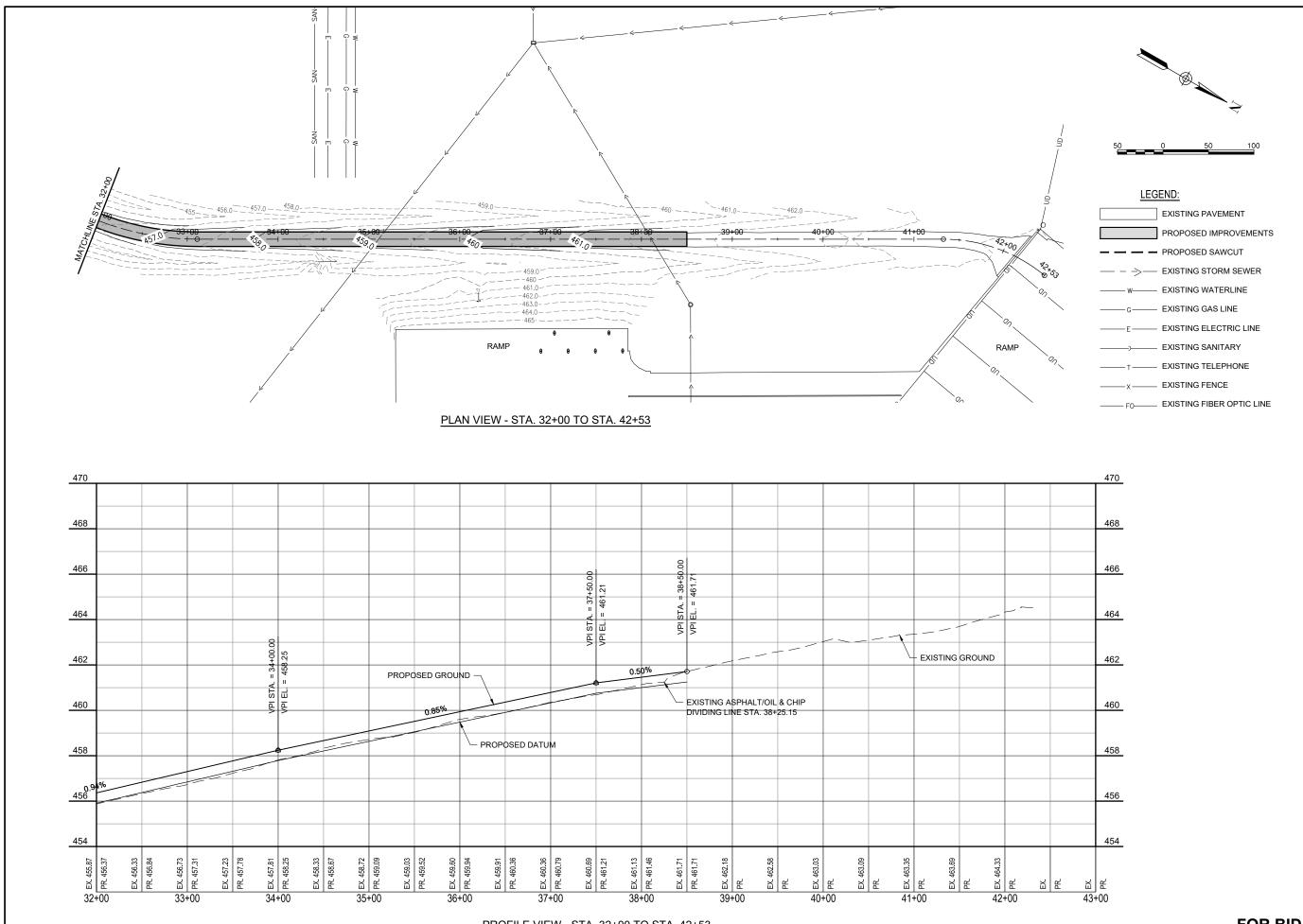


CAD FILE: C-701-PNP.DWG

DESIGN BY: JRH 10/22/2021 DRAWN BY: JRH 10/22/2021 REVIEWED BY: BSS 10/22/2021

SHEET TITLE

PROPOSED PLAN AND PROFILE -SHEET 2



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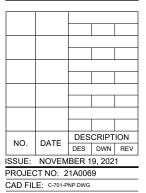
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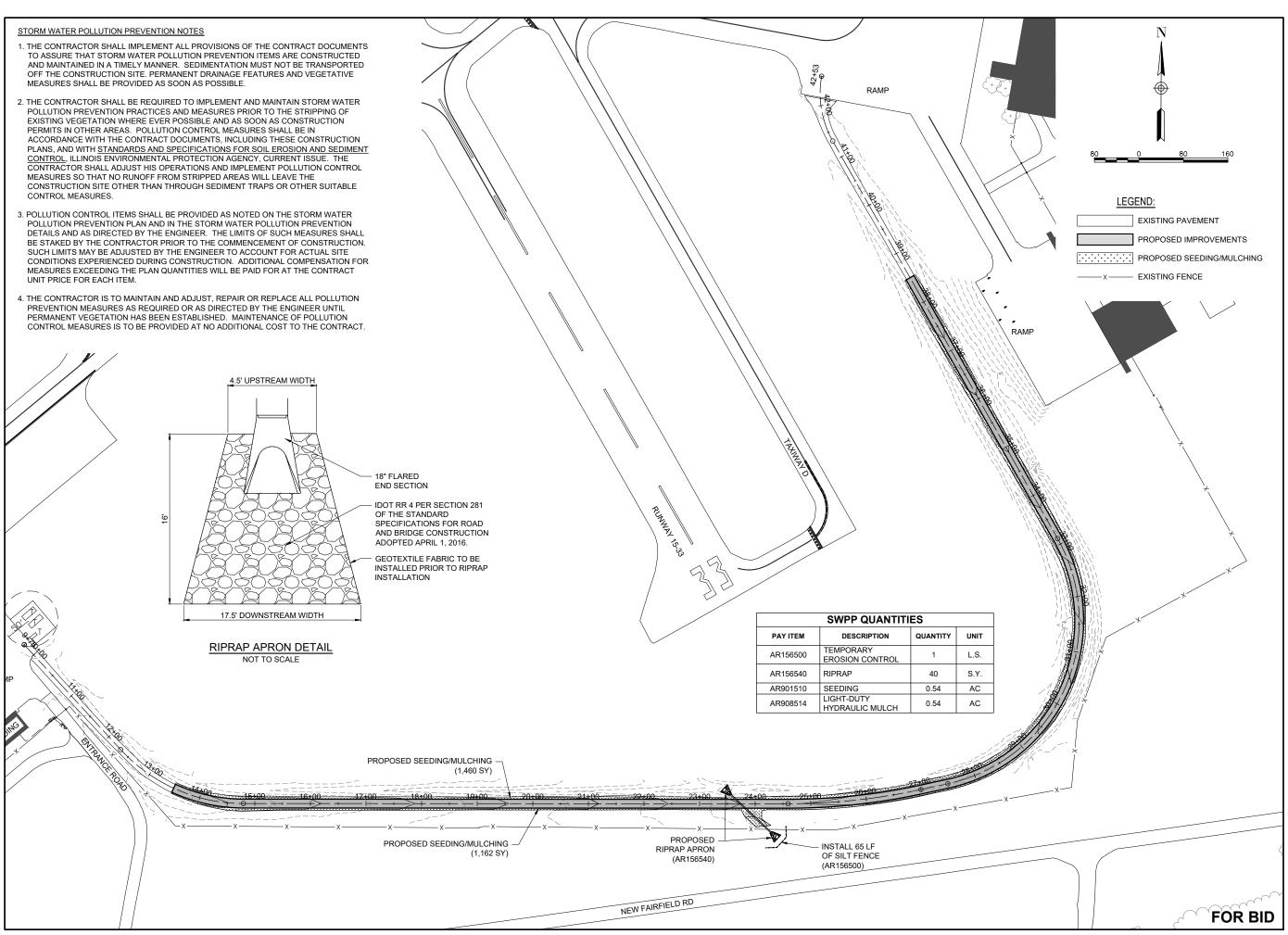
Contract No. MV066



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SHEET TITLE

PROPOSED PLAN AND PROFILE -SHEET 3





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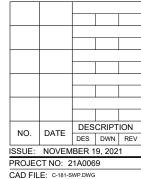


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REHABILITATE INTERIOR PERIMETER SERVICE ROAD

SBG No: 3-17-SBGP-139/144/156/162 IDA No: MVN-4890

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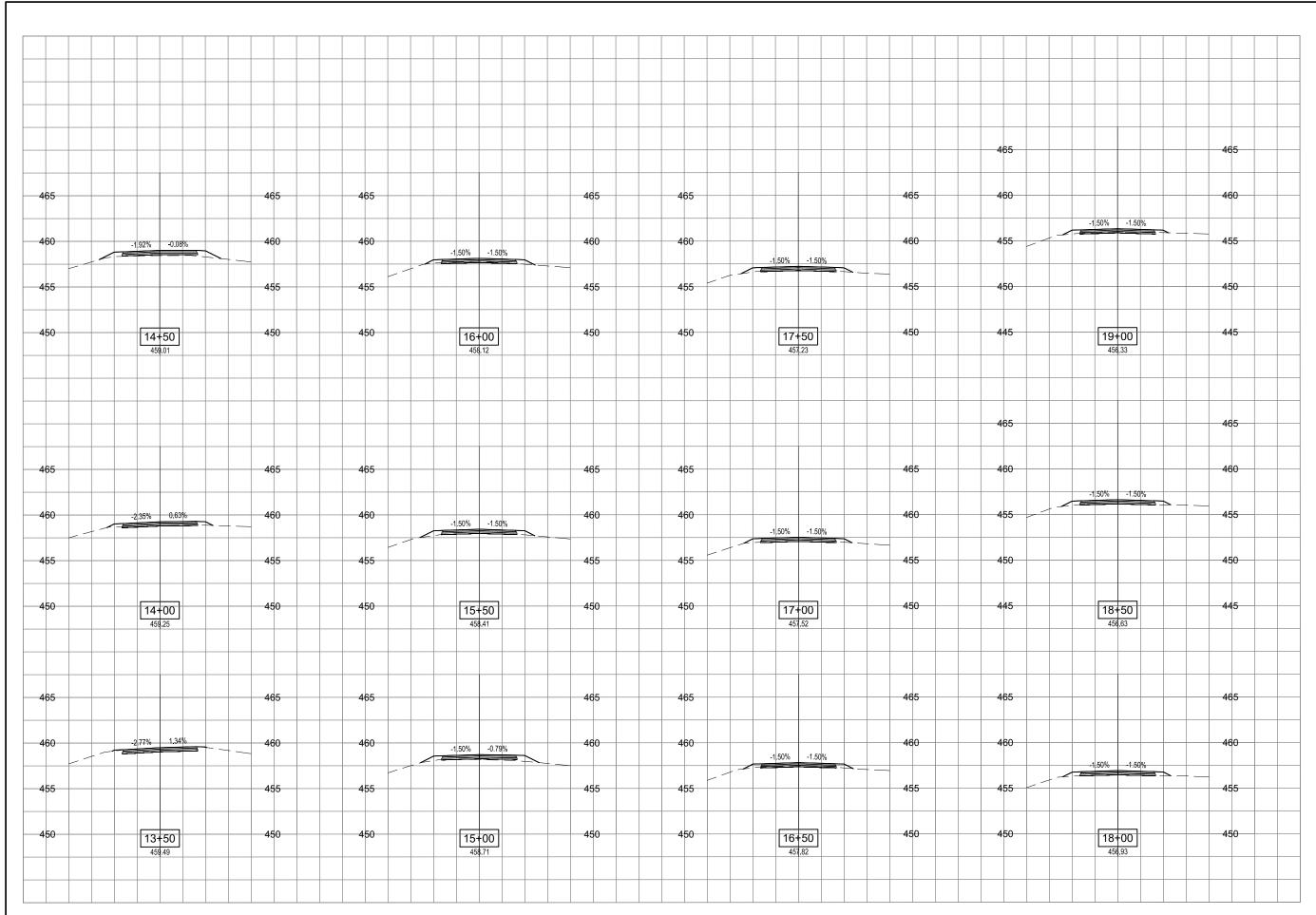


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SHEET TITLE

PROPOSED STORMWATER POLLUTION PREVENTION PLAN



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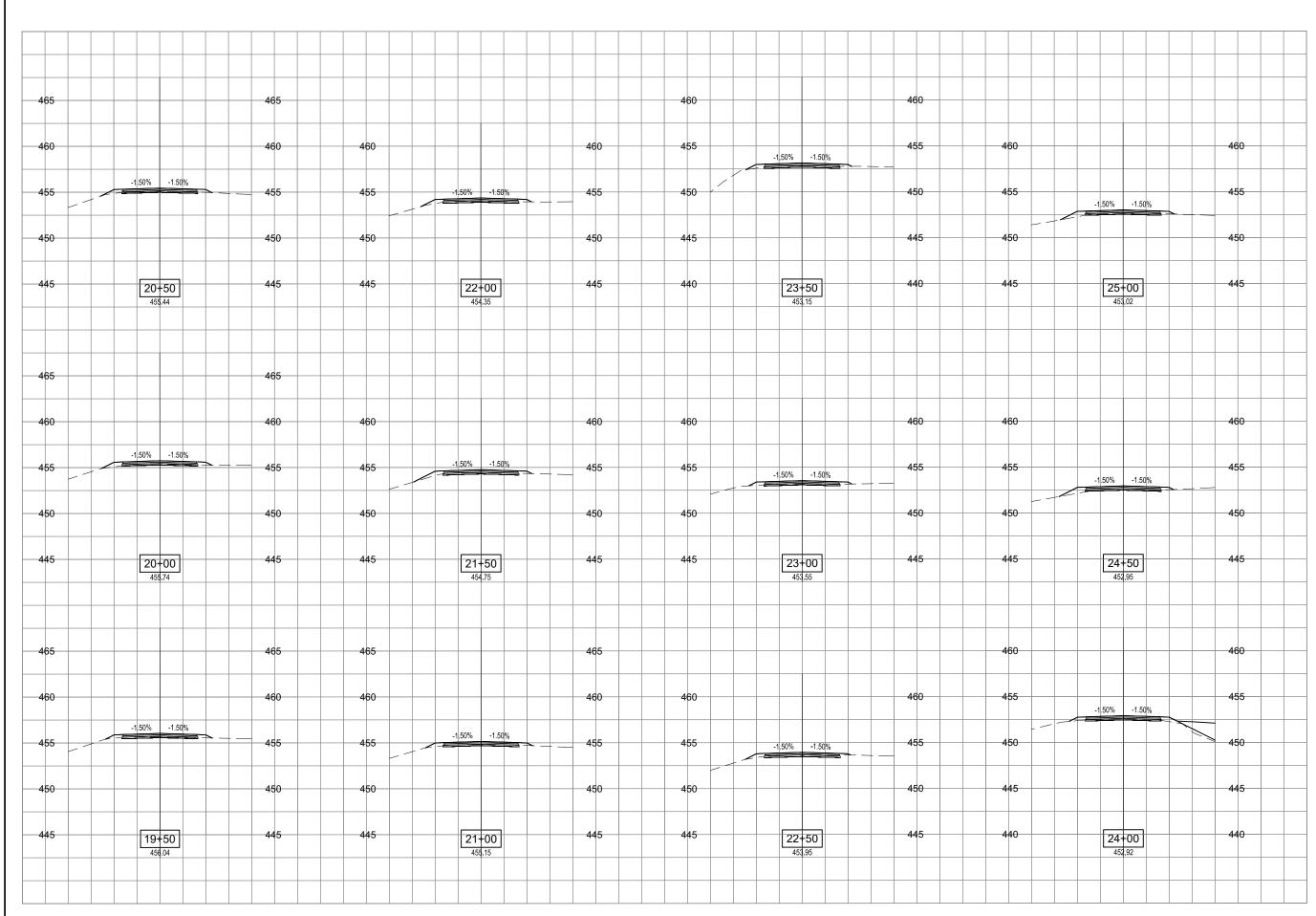
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DESIGN BY: JRH 10/22/2021 DRAWN BY: JRH 10/22/2021 REVIEWED BY: BSS 10/22/2021

SHEET TITLE

PROPOSED CROSS SECTIONS STA. 13+50 TO STA. 19+00



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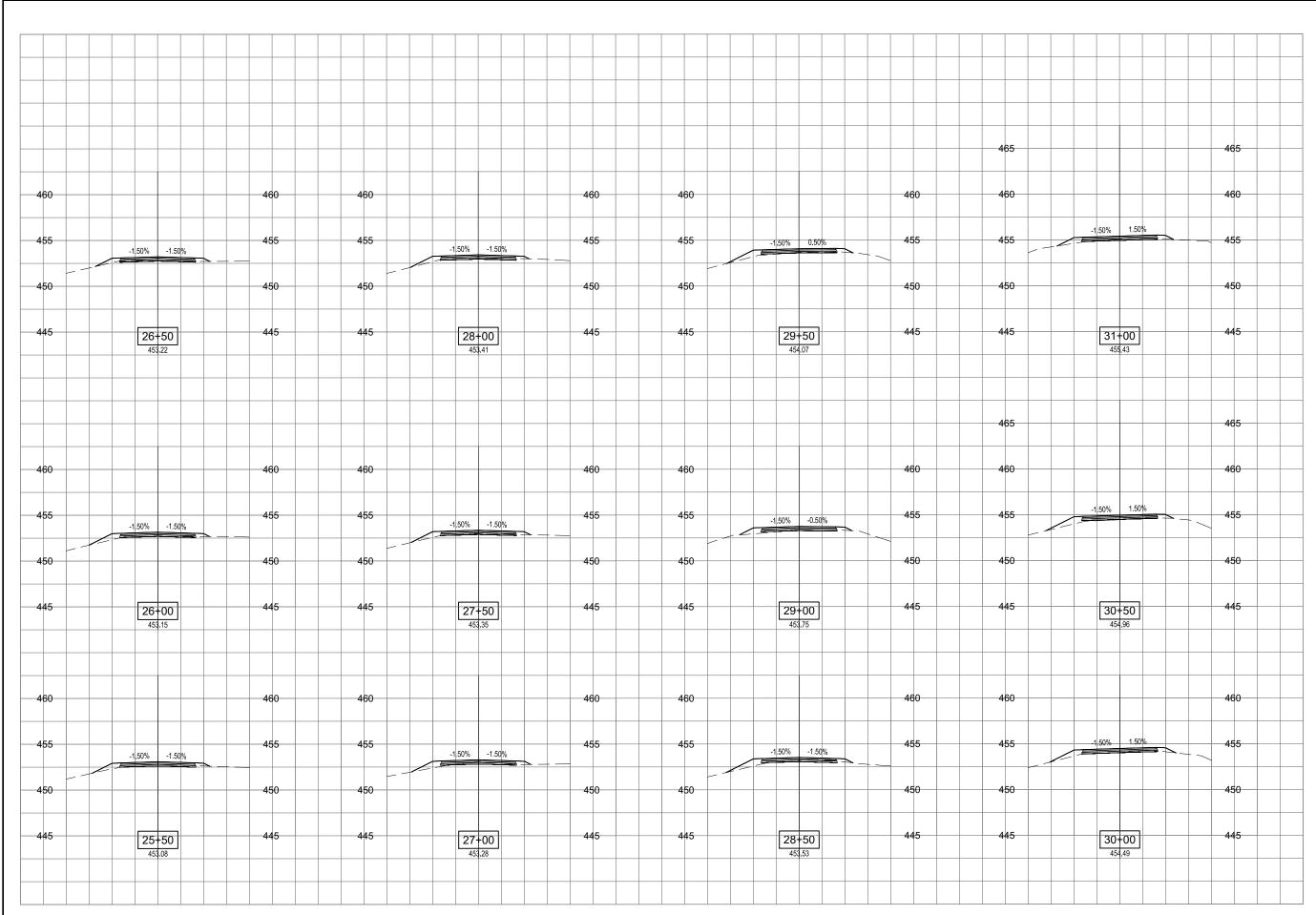
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CAD FILE: C-302-XS.DWG

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SHEET TITLE

PROPOSED CROSS SECTIONS STA. 19+50 TO STA. 25+00



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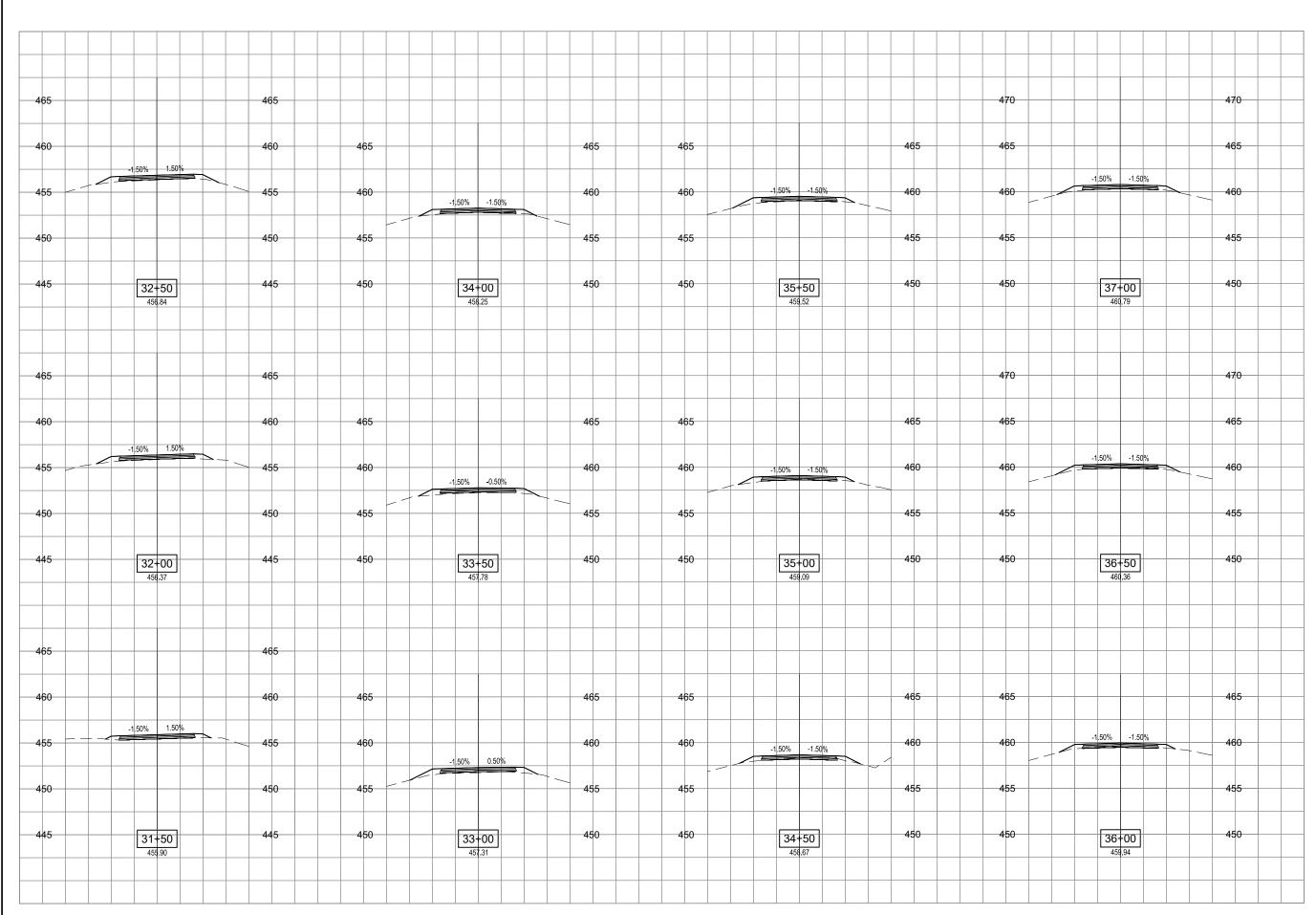
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CAD FILE: C-302-XS.DWG

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SHEET TITLE

PROPOSED CROSS SECTIONS STA. 25+50 TO STA. 31+00



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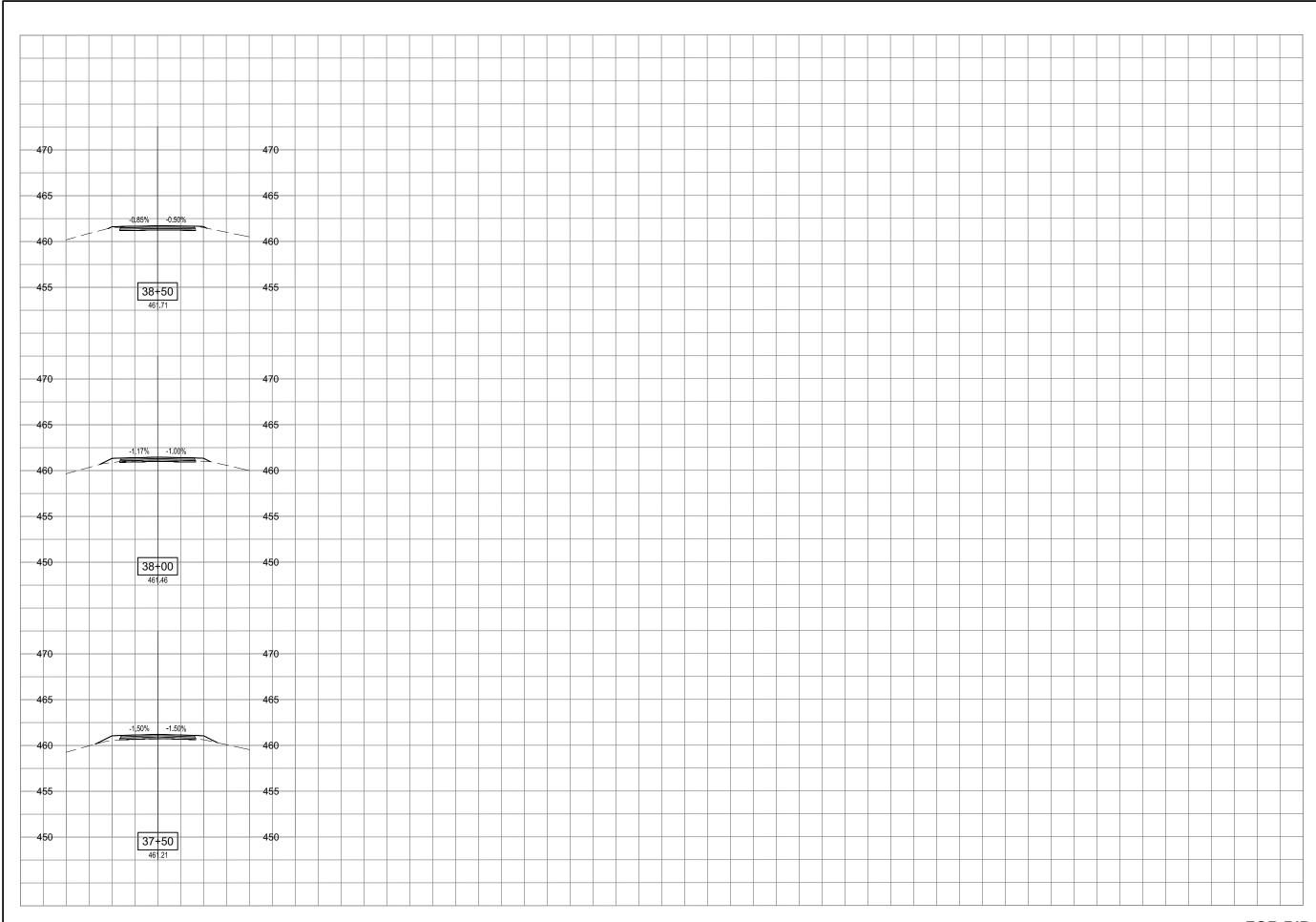
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PROJECT NO: 21A0069				

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DESIGN BY: JRH 10/22/2021 DRAWN BY: JRH 10/22/2021 REVIEWED BY: BSS 10/22/2021

SHEET TITLE

PROPOSED CROSS SECTIONS STA. 31+50 TO STA. 37+00



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Contract No. MV066

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PROJECT NO: 21A0069					

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SHEET TITLE

PROPOSED CROSS SECTIONS STA. 37+50 TO STA. 38+50