

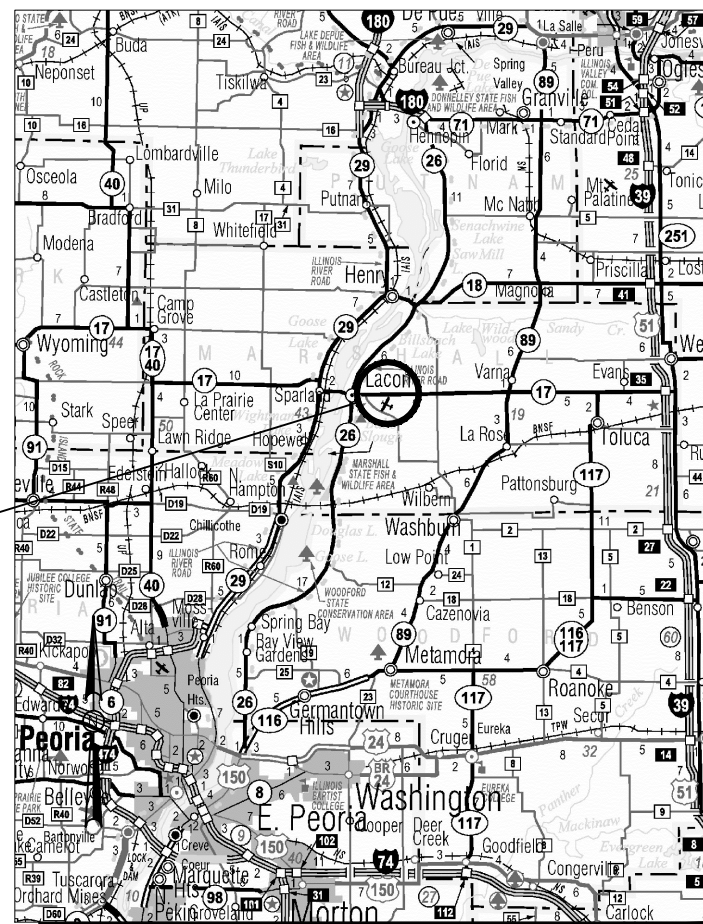
CONSTRUCTION PLANS

CONSTRUCT PERMANENT EROSION CONTROL AT VARIOUS LOCATIONS ON THE AIRPORT

MARSHALL COUNTY AIRPORT BOARD
MARSHALL COUNTY AIRPORT (C75)
LACON, MARSHALL COUNTY, ILLINOIS

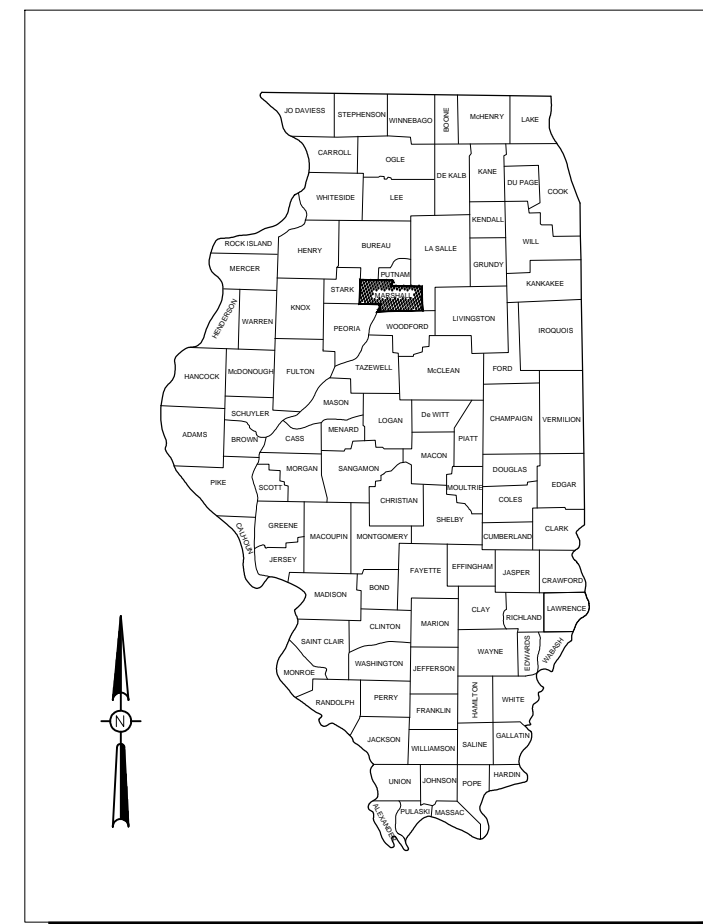
IDA PROJECT NO. C75-4346
SBG PROJECT NO. 3-17-SBGP-TBD

VICINITY MAP



MARSHALL COUNTY AIRPORT

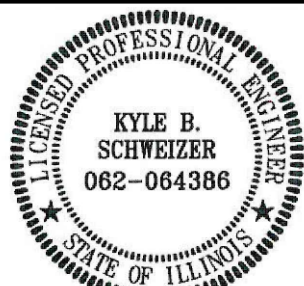
LOCATION MAP



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.

No.	Issue/Description	Sheets Changed	Date	By



Kyle B. Schweizer
Kyle B. Schweizer, P.E.
Project Engineer
Lic. Exp. 11/30/2017
16 NOV 2015
Date



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Robert A. Waller
Robert A. Waller, P.E.
Project Manager
16 NOV 2015
Date



MARSHALL COUNTY AIRPORT BOARD
MARSHALL COUNTY AIRPORT BOARD
P.O. Box 248
Lacon, Illinois 61540-2048

Charles L. Allen
Charles L. Allen
President
11/16/2015
Date



INDEX TO SHEETS

SHEET NO.	SHEET TITLE
1	COVER SHEET
2	SUMMARY OF QUANTITIES, INDEX TO SHEETS, & GENERAL NOTES
3	CONSTRUCTION SAFETY PLAN
4	CONSTRUCTION SAFETY NOTES & DETAILS
5	PROPOSED SITE PLAN
6	FLOWLINE S4 DETAIL
7	EROSION CONTROL DETAILS & NOTES
8	EROSION CONTROL SCHEDULE & REMOVE CONCRETE DETAIL

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AR150520	MOBILIZATION	L.S.	1	
AR152441	ON-SITE BORROW	C.Y.	1,400	
AR152443	OFFSITE TOPSOIL	C.Y.	929	
AR156510	SILT FENCE	L.F.	400	
AR156531	EROSION CONTROL BLANKET	S.Y.	5,069	
AR156544	RIPRAP-GRADATION NO. 4	S.Y.	519	
AR701208	8" CMP	L.F.	120	
AR705508	8" PERFORATED UNDERDRAIN	L.F.	300	
AR752208	METAL END SECTION 8"	EA.	6	
AR800486	REGRADE DITCH	L.F.	8,300	
AR800487	TURF REINFORCEMENT MAT, TYPE 1	S.Y.	11,361	
AR800488	TURF REINFORCEMENT MAT, TYPE 2	S.Y.	3,957	
AR800489	REMOVE CONCRETE	L.S.	1	
AR901510	SEEDING	ACRE	6	

GENERAL NOTES

- PROJECT DESCRIPTION:** THIS PROJECT SHALL CONSIST OF INSTALLING PERMANENT EROSION CONTROL MEASURES AT VARIOUS LOCATIONS ON THE AIRFIELD. THE PROPOSED IMPROVEMENTS INCLUDE ONSITE BORROW, DITCH GRADING, EROSION CONTROL BLANKET, TURF REINFORCEMENT MAT, RIPRAP, CONCRETE REMOVAL, OFFSITE TOPSOIL, AND SEEDING.
- 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/RESIDENT TECHNICIAN IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE 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 SPECIFICATIONS.
- 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, IF APPROVED BY THE ENGINEER.
- ACCESS TO THE SITE SHALL BE RESTRICTED EXCLUSIVELY TO THE DESIGNATED CONSTRUCTION ENTRANCE, STAGING AREA, AND HAUL ROUTE. NO EQUIPMENT OR PERSONNEL SHALL BE PERMITTED OUTSIDE THE GENERAL PROJECT AREA.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND KEEP CLEAN OF DEBRIS ALL EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. ANY DAMAGE TO EXISTING UTILITY, DRAINAGE, AND PAVEMENT STRUCTURES SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE CONTRACT.
- THE CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
- THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
- 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 EQUIPMENT OR PERSONNEL.
- THE CONTRACTOR SHALL MAINTAIN ONE SET OF PRELIMINARY REDLINED RECORD DRAWINGS AND PROVIDE TO THE RESIDENT ENGINEER/RESIDENT TECHNICIAN AT THE COMPLETION OF THE PROJECT FOR INCORPORATION INTO THE OFFICIAL RECORD DRAWINGS.
- THE CONTRACTOR SHALL NOTE THAT SOME AREAS WITHIN THE AIRPORT PROPERTY LINE AND OUTSIDE THE CONSTRUCTION LIMITS MAY BE USED FOR AGRICULTURAL PURPOSES. 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/RESIDENT TECHNICIAN PRIOR TO BEGINNING ANY WORK. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITY WHICH HAVE BEEN PREVIOUSLY FARMED OR ARE DESIGNATED TO BE FARMED AFTER THE PROJECT COMPLETION SHALL BE CHISEL PLOWED OR OTHERWISE SCARIFIED TO RETURN THE AREA TO A REASONABLE TILLABLE CONDITION (IF SO PERMITTED BY THE AIRPORT MANAGER) AS AN INCIDENTAL COST TO THE PROJECT.
- APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN THROUGHOUT THESE PLANS. THE CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND PROTECT THESE UTILITIES DURING CONSTRUCTION. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER AUTHORITIES FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.
- NPDES PERMIT** - THIS PROJECT WILL DISTURB MORE THAN 1 ACRE, THEREFORE A NPDES PERMIT IS REQUIRED.
- STAGING AREA** - AT THE START OF THE PROJECT THE CONTRACTOR SHALL DELIVER AND PLACE A MINIMUM OF TWO TANDEM LOADS OF IDOT CA-6 AGGREGATE AT THE DESIGNATED CONSTRUCTION ENTRANCE TO BE LEFT IN PLACE PERMANENTLY. COST IS INCIDENTAL TO HAUL ROUTE AND MOBILIZATION PAY ITEMS.
- MATERIAL CERTIFICATIONS** - MATERIAL TO BE INCORPORATED INTO THE PROJECT **CANNOT** BE USED WITHOUT PRIOR APPROVAL. ALL MATERIAL TO BE USED IN THE PROJECT MUST BE SUBMITTED TO THE RESIDENT ENGINEER/RESIDENT TECHNICIAN FOR APPROVAL. USE OF MATERIAL WITHOUT PRIOR APPROVAL AND ULTIMATELY DETERMINED TO BE UNACCEPTABLE BY THE IDOT - DIVISION OF AERONAUTICS ARE SUBJECT TO REMOVAL AND/OR NON-PAYMENT.
- CERTIFIED PAYROLLS** - THE RESIDENT ENGINEER/RESIDENT TECHNICIAN **CANNOT** FORWARD A CONSTRUCTION REPORT FOR PAYMENT TO THE IDOT-DIVISION OF AERONAUTICS FOR PROCESSING UNTIL **ALL** CERTIFIED PAYROLLS FOR THAT PERIOD HAVE BEEN RECEIVED.

UTILITY NOTE

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

J.U.L.I.E. INFORMATION

COUNTY_____MARSHALL
CITY_____LACON
TOWNSHIP_____HOPEWELL
SECTION NO.____31
ADDRESS_____MARSHALL COUNTY AIRPORT
LACON, ILLINOIS 61540

CONSTRUCT
PERMANENT EROSION
CONTROL AT VARIOUS
LOCATIONS ON THE
AIRPORT

SBGP No: 3-17-SBGP-TBD
IDA No: C75-4346

Contract No. MA028

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 16, 2015

PROJECT NO: 15A0001
CAD FILE: C-002-SOQ.DWG
DESIGN BY: KBS
DRAWN BY: KBS
REVIEWED BY: CAH 11/9/15

SHEET TITLE

SUMMARY OF
QUANTITIES, INDEX
TO SHEETS, &
GENERAL NOTES

**CONSTRUCT
PERMANENT EROSION
CONTROL AT VARIOUS
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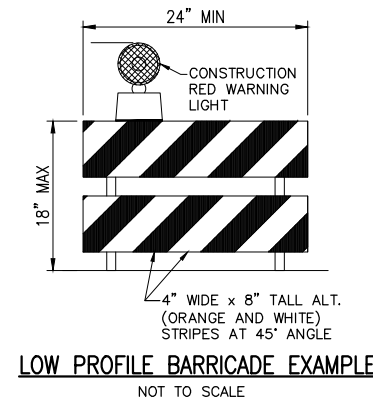
PROJECT NO: 15A0001
CAD FILE: C-003-SFY.DWG
DESIGN BY: KBS
DRAWN BY: KBS
REVIEWED BY: CAH 11/9/15

SHEET TITLE

**CONSTRUCTION
SAFETY NOTES &
DETAILS**

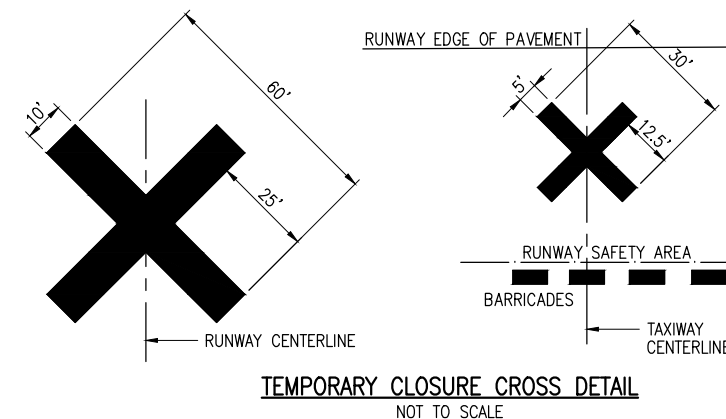
CONSTRUCTION SAFETY NOTES

- ALL PROVISIONS OF THE LATEST EDITION 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.
- ALL COSTS ASSOCIATED WITH THE WORK AND MATERIALS INVOLVING CONSTRUCTION SAFETY & PHASING AS SHOWN OR DESCRIBED IN THE CONTRACT DOCUMENTS, OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN OR AIRPORT MANAGER THROUGHOUT THE PROJECT, **SHALL BE INCIDENTAL TO THE CONTRACT.**
- AIRFIELD SAFETY ASSURANCE** - AIRFIELD SAFETY SHALL BE HELD PARAMOUNT AT ALL TIMES. ANY INDIVIDUALS RESPONSIBLE FOR INCURSIONS OR POTENTIAL INCURSIONS WITH AIR TRAFFIC DUE TO NON-COMPLIANCE WITH REQUIREMENTS SET FOR IN THESE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR 150/5370-2F WILL BE SUBJECT TO AN IMMEDIATE SUSPENSION OF DRIVING PRIVILEGES ON THE AIRPORT OR A COMPLETE RESTRICTION OF ACCESS TO THE AIRFIELD ALTOGETHER. THE AIRPORT MANAGER OR RESIDENT ENGINEER/TECHNICIAN MAY STOP THE WORK AT ANY TIME THEY BELIEVE AIRFIELD SAFETY IS BEING COMPROMISED.
- THE CONTRACTOR SHALL PROVIDE THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN WITH CONTACT INFORMATION FOR A PERSON ON CALL 24 HOURS A DAY FOR EMERGENCY MAINTENANCE OF BARRICADES AND HAZARD LIGHTING.
- 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" (CURRENT EDITION).
- CLOSED AIRFIELD WORK AREAS, OPEN TRENCHES, AND OTHER HAZARDOUS AREAS 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 PAVEMENT EDGE DROP-OFFS GREATER THAN 3" ARE ALLOWED TO REMAIN ON ANY ACTIVE AIRFIELD PAVEMENT AREA. TEMPORARY EARTH SHOULDERS SHALL BE PLACED IF AN INCOMPLETE AREA IS TO BE REOPENED TO AIRCRAFT TRAFFIC.
- AIRPORT SECURITY** - AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. NO CONTRACTOR PERSONNEL OR EQUIPMENT WILL BE PERMITTED OUTSIDE OF THE CONSTRUCTION LIMITS DEPICTED ON THESE PLANS. PERSONAL VEHICLES OF CONTRACTOR EMPLOYEES SHALL BE PARKED IN THE DESIGNATED STAGING AREA AND ARE NOT ALLOWED ACCESS ON THE SITE. THE CONTRACTOR WILL CLOSE AND LOCK THE GATE AT THE DESIGNATED CONSTRUCTION ENTRANCE AT THE END OF EACH DAY.
- NO CONSTRUCTION EQUIPMENT GREATER THAN 15' TALL WILL BE PERMITTED ON THE AIRPORT WITHOUT THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.
- SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUCKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEEP, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- 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 ENGINEER. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER AS NECESSARY TO CONTROL DUST.
- RADIO CONTROL** - THE CONTRACTOR WILL BE REQUIRED TO REMAIN CONSTANT TWO-WAY RADIO CONTACT WITH THE MARSHALL COUNTY AIRPORT UNICOM (122.8 MHz) AT ALL TIMES WHILE HE HAS PERSONNEL OR EQUIPMENT ON THE AIRFIELD.



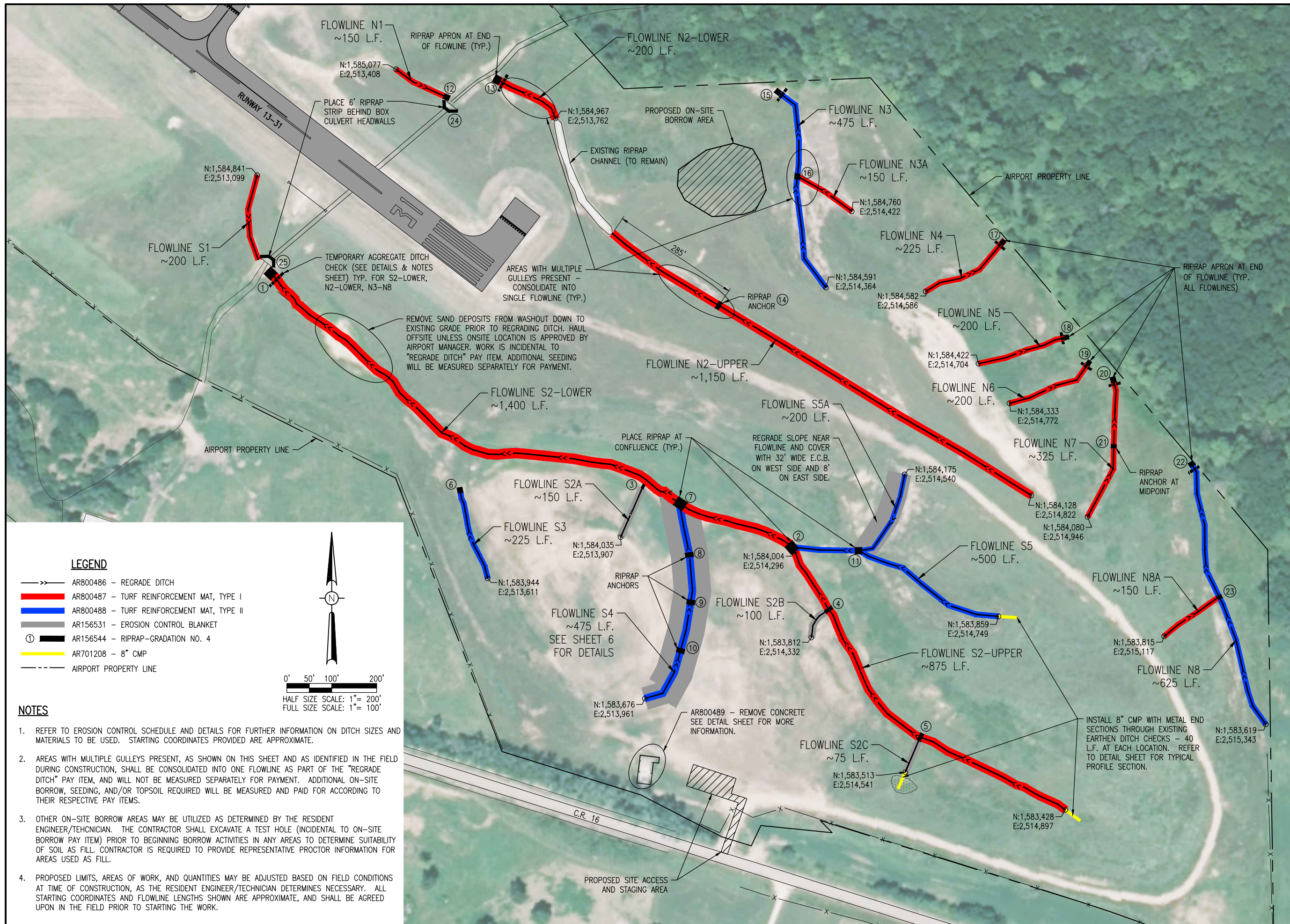
BARRICADE NOTES

- 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.
- LOW PROFILE BARRICADES SHALL BE SPACED END TO END THE WIDTH OF THE PAVEMENT IN 4' INCREMENTS AS DIRECTED BY THE ENGINEER. BARRICADES ARE TO BE SET BACK 66' FROM THE ACTIVE TAXIWAY CENTERLINE OR AS SHOWN ON THE PLANS.
- CONSTRUCTION RED WARNING LIGHT: 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.
- THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR AFTER SUNSET AND 1/2 HOUR BEFORE 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 COLOR COMBINATION ON LOW PROFILE 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.



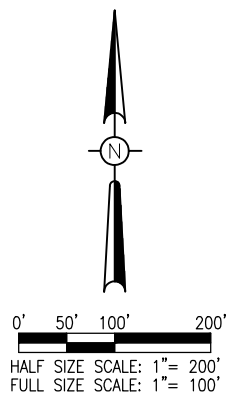
TEMPORARY CLOSURE CROSS NOTES

- TEMPORARY CLOSED RUNWAY AND CLOSED TAXIWAY MARKINGS SHALL BE AVIATION YELLOW.
- TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE CONSTRUCTED OF PLYWOOD, DOUBLE-LAYERED SNOW FENCE OR APPROVED FABRIC AND SHALL BE SECURED TO PAVEMENT BY SANDBAGS OR OTHER APPROVED METHOD.
- TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE PLACED OVER THE RUNWAY DESIGNATION NUMBERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- TEMPORARY CLOSED TAXIWAY MARKINGS SHALL BE PLACED WHEN AN ADJACENT RUNWAY IS OPEN AND THE TAXIWAY IS CLOSED MORE THAN 72 HOURS. THE CLOSED TAXIWAY MARKINGS SHALL BE PLACED AS SHOWN ON THIS SHEET. MARKINGS SHALL BE CONSTRUCTED USING TEMPORARY PAINT SUCH AS SEYMOUR TEMPORARY MARKER, PART NO. 20-636, OR AN EQUIVALENT PAINT EASILY REMOVED WITH WATER WITHOUT DEFACING THE PAVEMENT.
- THE PROPOSED CROSSES WILL BE PLACED EACH DAY THE RUNWAY OR TAXIWAY IS CLOSED AND REMOVED WHEN THE RUNWAY OR TAXIWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES.



LEGEND

- >> AR800486 - REGRADE DITCH
- AR800487 - TURF REINFORCEMENT MAT, TYPE I
- AR800488 - TURF REINFORCEMENT MAT, TYPE II
- AR156531 - EROSION CONTROL BLANKET
- ① AR156544 - RIPRAP—GRADATION NO. 4
- AR701208 - 8" CMP
- - - AIRPORT PROPERTY LINE



NOTES

1. REFER TO EROSION CONTROL SCHEDULE AND DETAILS FOR FURTHER INFORMATION ON DITCH SIZES AND MATERIALS TO BE USED. STARTING COORDINATES PROVIDED ARE APPROXIMATE.
2. AREAS WITH MULTIPLE GULLEYS PRESENT, AS SHOWN ON THIS SHEET AND AS IDENTIFIED IN THE FIELD DURING CONSTRUCTION, SHALL BE CONSOLIDATED INTO ONE FLOWLINE AS PART OF THE "REGRADE DITCH" PAY ITEM, AND WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. ADDITIONAL ON-SITE BORROW, SEEDING, AND/OR TOPSOIL REQUIRED WILL BE MEASURED AND PAID FOR ACCORDING TO THEIR RESPECTIVE PAY ITEMS.
3. OTHER ON-SITE BORROW AREAS MAY BE UTILIZED AS DETERMINED BY THE RESIDENT ENGINEER/TECHNICIAN. THE CONTRACTOR SHALL EXCAVATE A TEST HOLE (INCIDENTAL TO ON-SITE BORROW PAY ITEM) PRIOR TO BEGINNING BORROW ACTIVITIES IN ANY AREAS TO DETERMINE SUITABILITY OF SOIL AS FILL. CONTRACTOR IS REQUIRED TO PROVIDE REPRESENTATIVE PROCTOR INFORMATION FOR AREAS USED AS FILL.
4. PROPOSED LIMITS, AREAS OF WORK, AND QUANTITIES MAY BE ADJUSTED BASED ON FIELD CONDITIONS AT TIME OF CONSTRUCTION, AS THE RESIDENT ENGINEER/TECHNICIAN DETERMINES NECESSARY. ALL STARTING COORDINATES AND FLOWLINE LENGTHS SHOWN ARE APPROXIMATE, AND SHALL BE AGREED UPON IN THE FIELD PRIOR TO STARTING THE WORK.

CONSTRUCT PERMANENT EROSION CONTROL AT VARIOUS LOCATIONS ON THE AIRPORT

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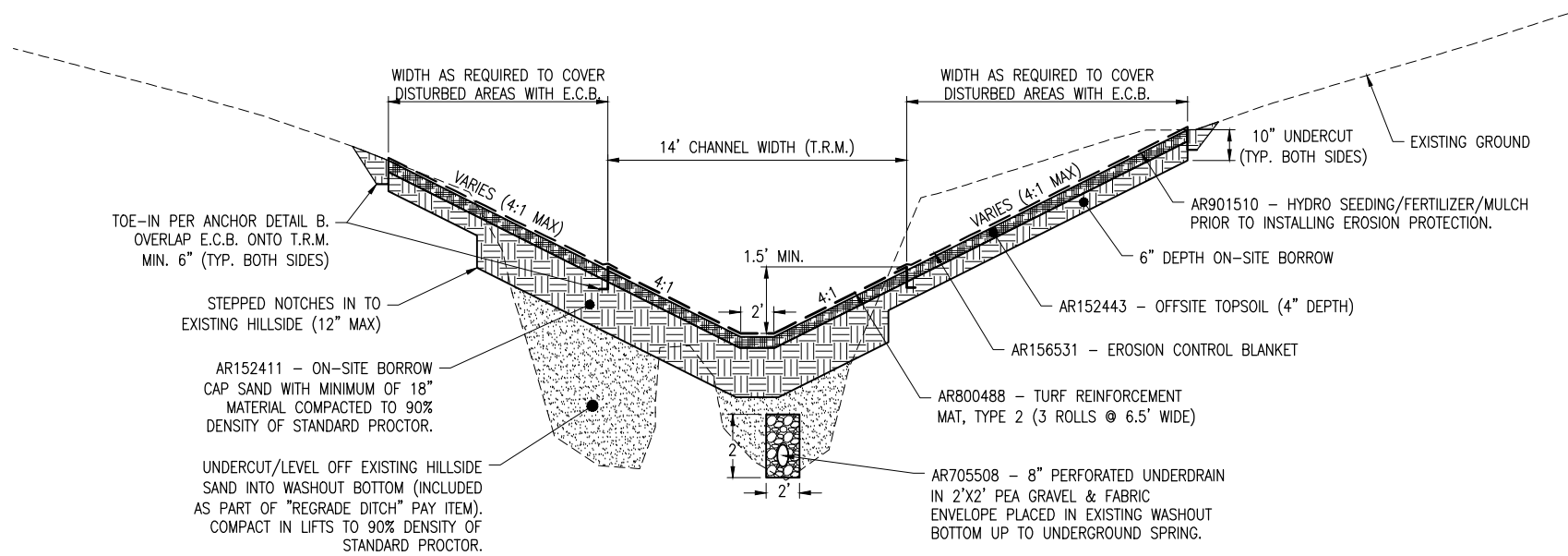
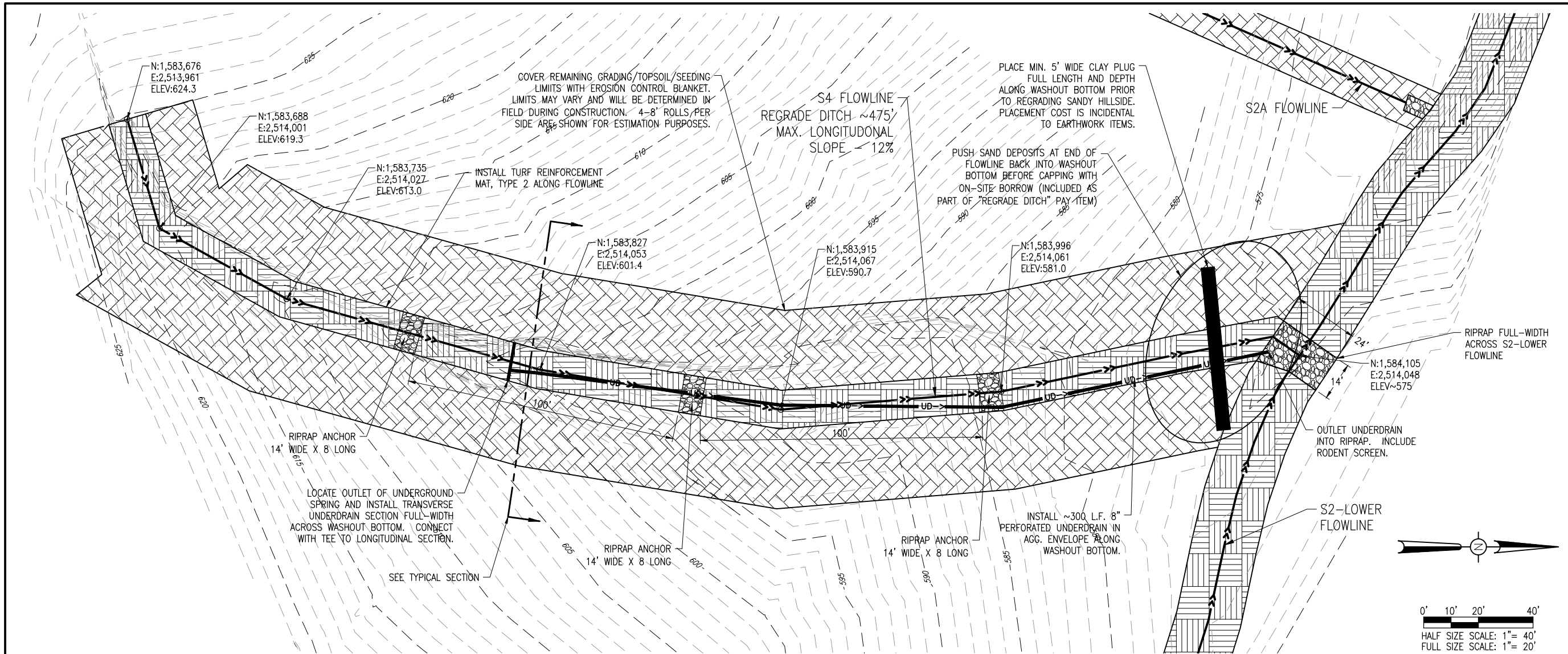
Contract No. MA028

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
ISSUE: NOVEMBER 16, 2015				
PROJECT NO: 15A0001				
CAD FILE: C-101-SIT.DWG				
DESIGN BY: KBS				
DRAWN BY: KBS				
REVIEWED BY: CAH 11/9/15				

SHEET TITLE

PROPOSED SITE PLAN

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FLOWLINE S4 TYPICAL SECTION
NOT TO SCALE

NOTE

1. DUE TO THE IRREGULAR SHAPE AND VARYING NATURE OF SITE CONDITIONS, NOMINAL QUANTITIES HAVE BEEN PROVIDED AND MAY BE ADJUSTED IN THE FIELD, PROVIDED MIN. CHANNEL DEPTH AND MAX SLOPE REQUIREMENTS ARE MET.
2. CONTOUR DATA IS APPROXIMATE.

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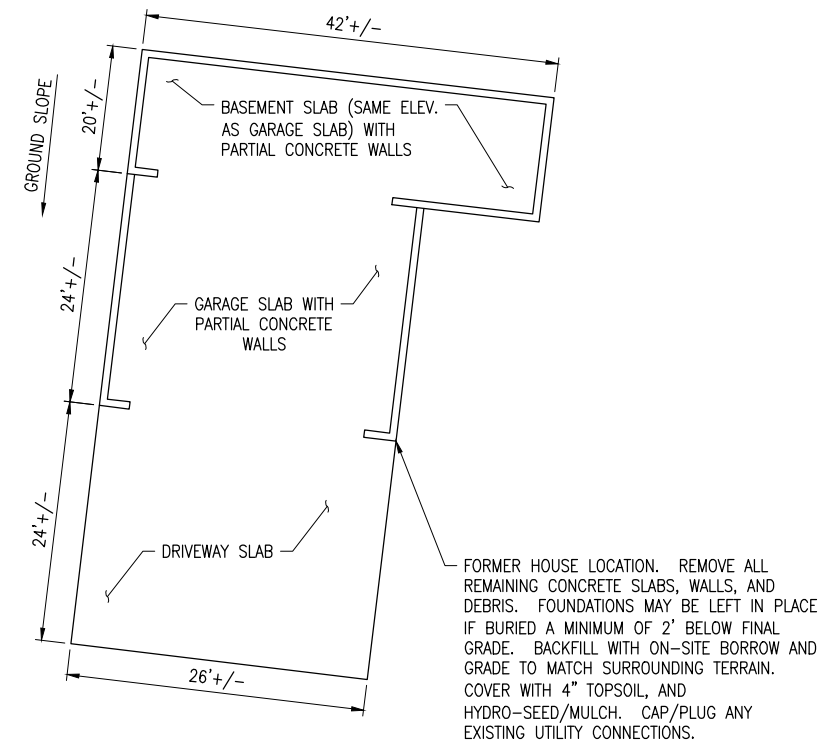
ISSUE: NOVEMBER 16, 2015
PROJECT NO: 15A0001
CAD FILE: C-102-SITS4.DWG
DESIGN BY: KBS
DRAWN BY: KBS
REVIEWED BY: CAH 11/9/15

SHEET TITLE

FLOWLINE S4 DETAIL

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EROSION CONTROL SCHEDULE												
LOCATION/ FLOWLINE	REGRADE DITCH AR800486 (FT)	MINIMUM FLOWLINE DEPTH (FT)	MINIMUM CHANNEL WIDTH (FT)	NUMBER OF E.C.B./T.R.M. ROLLS X NOM. WIDTH (FT)	EROSION CONTROL BLANKET AR156531 (SY)	TURF REIN. MAT - TYPE 1 AR800487 (SY)	TURF REIN. MAT - TYPE 2 AR800488 (SY)	RIPRAP (LOCATION) WIDTH X LENGTH (FT)	RIPRAP - GRAD. NO. 4 AR156544 (SY)	ON-SITE BORROW AR152441 (CY)	OFFSITE TOPSOIL (4" DEPTH) AR152443 (CY)	SEEDING AR901510 (ACRE)
S1	200	1.0	10	2 X 6.5		289						0.06
S2 LOWER	1400	2.5	22	4 X 6.5		4045		(1) 24 X 24	64.0			0.84
S2 UPPER	875	1.5	14	3 X 6.5		1896		(2) 24 X 24	64.0			0.39
S2A	150	1.0	10	2 X 8	267			(3) 10 X 10	11.2			0.06
S2B	100	1.0	10	2 X 8	178			(4) 10 X 14	15.6			0.04
S2C	75	1.0	10	2 X 8	134			(5) 10 X 14	15.6			0.03
S3	225	1.0	10	2 X 6.5				(6) 10 X 12	13.4			0.07
S4	475	1.5	14	8 X 8 & 3 X 6.5	3378			(7) 14 X 24	37.4	1150	470	1.37
								(8-10) 14 X 8	37.5			
S5	500	1.0	10	2 X 6.5								0.15
S5A	200	1.0	10	5 X 8 & 2 X 6.5	889			(11) 15 X 15	25.0		123	0.24
N1	150	1.0	10	2 X 6.5		217		(12) 10 X 12	13.4			0.04
N2 LOWER	200	1.5	14	3 X 6.5		434		(13) 14 X 18	28.0			0.09
N2 UPPER	1150	1.5	14	3 X 6.5		2492		(14) 14 X 8	12.5		227	0.51
N3	475	1.0	10	2 X 6.5			687	(15) 10 X 12	13.4		59	0.14
N3A	150	1.0	10	2 X 6.5		217		(16) 10 X 12	13.4			0.04
N4	225	1.0	10	2 X 6.5		325		(17) 10 X 10	11.2			0.07
N5	200	1.0	10	2 X 6.5		289		(18) 10 X 10	11.2			0.06
N6	200	1.0	10	2 X 6.5		289		(19) 10 X 10	11.2			0.06
N7	325	1.0	10	2 X 6.5		470		(20) 10 X 12	13.4			0.10
								(21) 10 X 8	8.9			
N8	625	1.0	10	2 X 6.5			903	(22) 10 X 12	13.4			0.19
N8A	150	1.0	10	2 X 6.5		217		(23) 10 X 8	8.9			0.04
N. CULV. HDWL.								(24) 6 X 42	28.0			
S. CULV. HDWL.								(25) 6 X 42	28.0			
BORROW AREA												0.50
SUPPLEMENTAL	250			1 X 8 & 1 X 6.5	223	181			20.0	250	50	0.91
TOTAL	8300				5069	11361	3957		519	1400	929	6.00



REMOVE CONCRETE DETAIL
NOT TO SCALE

CONSTRUCT PERMANENT EROSION CONTROL AT VARIOUS LOCATIONS ON THE AIRPORT

SBGP No: 3-17-SBGP-TBD
IDA No: C75-4346

Contract No. MA028

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 16, 2015
PROJECT NO: 15A0001
CAD FILE: C-501-TYP.DWG
DESIGN BY: KBS
DRAWN BY: KBS
REVIEWED BY: CAH 11/9/15

SHEET TITLE

EROSION CONTROL SCHEDULE & REMOVE CONCRETE DETAIL