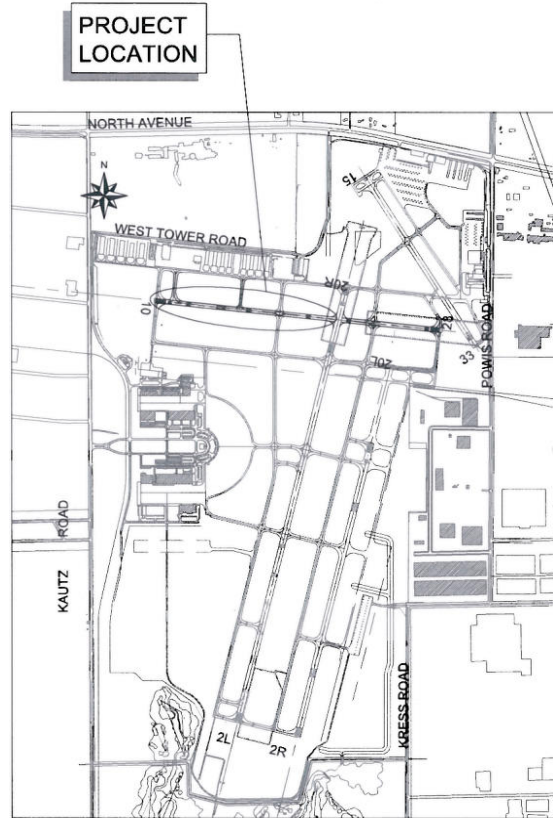
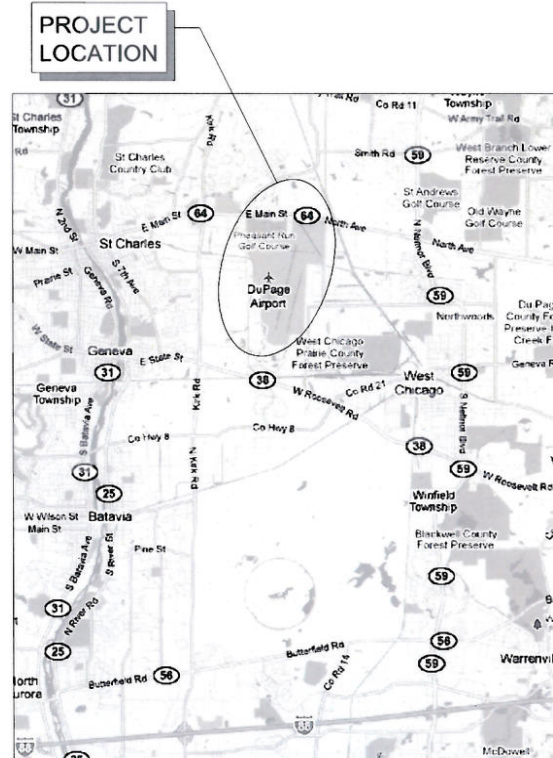


DUPAGE AIRPORT AUTHORITY WEST CHICAGO, ILLINOIS

DU080
TOTAL
SHEETS = 68



SITE PLAN



LOCATION MAP

CONSTRUCTION PLANS FOR DUPAGE AIRPORT

RUNWAY 10-28 WEST AND ASSOCIATED TAXIWAY CONNECTOR OVERLAY

ILLINOIS PROJECT: DPA-4122
A.I.P. PROJECT: 3-17-0017-B25
IDOT LETTING SEPTEMBER 21, 2012



RUNWAY 10-28 EAST AND ASSOCIATED
TAXIWAY CONNECTOR OVERLAY
DESIGN AIRCRAFT APPROACH CATEGORY B
DESIGN AIRCRAFT GROUP II

Johnny Michael Jackson
 LICENSED PROFESSIONAL ENGINEER
 JOHNNY MICHAEL JACKSON
 062.063845
 STATE OF ILLINOIS
 2/3/12
 Exp. 11/30/12

Peter J. Butler
 REGISTERED PROFESSIONAL ENGINEER
 OF
 ILLINOIS
 062-061416
 2/3/2012
 Exp. 11/30/2013

DUPAGE AIRPORT AUTHORITY
 2700 INTERNATIONAL DRIVE
 SUITE 200
 WEST CHICAGO, IL 60188
 APPROVED BY *David Bird*
 DAVID BIRD - EXECUTIVE DIRECTOR
 DATE 2/3/2012

CH2MHILL
 8501 WEST HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631
 (773) 693-3809 (PHONE)
 (773) 693-3823 (FAX)
 SUBMITTED BY *Johnny M. Jackson*
 JOHNNY M. JACKSON, P.E.
 DATE 2/3/12
 SUBMITTED BY *Peter J. Butler*
 PETER BUTLER, P.E. (SHEETS E-001, E-103, E-102, E-104, E-110)
 DATE 2/3/2012

CALL J.U.L.I.E
BEFORE EXCAVATING
 1-800-892-0123

INDEX OF DRAWINGS:

DRAWING NO.	SHEET NO	DESCRIPTION
G-100	1	COVER SHEET
G-101	2	DRAWING INDEX & SUMMARY OF QUANTITIES
G-102	3	ABBREVIATIONS
G-103	4	GENERAL AND SECURITY NOTES
G-104	5	CONSTRUCTION SAFETY NOTES I
G-105	6	CONSTRUCTION SAFETY NOTES II
G-106	7	SAFETY PLAN
G-107	8	SAFETY PLAN DETAILS
G-108	9	HORIZONTAL & VERTICAL CONTROL PLAN
G-109	10	CONTROL LINE PLAN
G-110	11	OVERALL WORK AREA PLAN
G-111	12	WORK AREA I PLAN
G-112	13	WORK AREA II PLAN
B-100	14	GEOTECHNICAL INVESTIGATION LOCATIONS PLAN & CORING TABLE
B-101	15	BORING LEGEND AND PROFILES
C-100	16	SHEET LAYOUT PLAN
C-101	17	PAVING AND GEOMETRY PLAN I
C-102	18	PAVING AND GEOMETRY PLAN II
C-103	19	PAVING AND GEOMETRY PLAN III
C-110	20	TYPICAL SECTIONS I
C-112	21	TYPICAL SECTIONS III
C-113	22	TYPICAL SECTIONS IV
C-121	23	SITE DEMOLITION PLAN I
C-122	24	SITE DEMOLITION PLAN II
C-123	25	SITE DEMOLITION PLAN III
C-201	26	RUNWAY PLAN & PROFILE I
C-202	27	RUNWAY PLAN & PROFILE II
C-203	28	RUNWAY PLAN & PROFILE III
C-206	29	TAXIWAY E1 & E2 PLAN & PROFILE
C-207	30	TAXIWAY F & W PLAN & PROFILE
C-250	31	SOIL EROSION AND SEDIMENT CONTROL NOTES
C-251	32	SOIL EROSION CONTROL DETAILS
C-301	33	PAVEMENT MARKING PLAN I
C-302	34	PAVEMENT MARKING PLAN II
C-303	35	PAVEMENT MARKING PLAN III
C-401	36	PAVEMENT MARKING DETAILS I
C-402	37	PAVEMENT MARKING DETAILS II
C-403	38	PAVEMENT MARKING DETAILS III
C-410	39	PAVEMENT GROOVING PLAN
C-411	40	PAVEMENT GROOVING DETAILS
E-001	41	ELECTRICAL NOTES AND LEGEND
E-101	42	PAVEMENT SENSOR PLAN I
E-102	43	PAVEMENT SENSOR PLAN II
E-103	44	PAVEMENT SENSOR PLAN III
E-110	45	SURFACE SENSOR DETAILS
X-500	46	CROSS SECTION LAYOUT PLAN
X-501	47	CROSS SECTION PROFILES
X-502	48	CROSS SECTION PROFILES
X-503	49	CROSS SECTION PROFILES
X-504	50	CROSS SECTION PROFILES
X-505	51	CROSS SECTION PROFILES
X-506	52	CROSS SECTION PROFILES
X-507	53	CROSS SECTION PROFILES
X-508	54	CROSS SECTION PROFILES
X-509	55	CROSS SECTION PROFILES
X-510	56	CROSS SECTION PROFILES
X-511	57	CROSS SECTION PROFILES
X-518	58	CROSS SECTION PROFILES
X-519	59	CROSS SECTION PROFILES
X-522	60	CROSS SECTION PROFILES
X-523	61	CROSS SECTION PROFILES
X-524	62	CROSS SECTION PROFILES
X-525	63	CROSS SECTION PROFILES
X-526	64	CROSS SECTION PROFILES
X-527	65	CROSS SECTION PROFILES
X-528	66	CROSS SECTION PROFILES
X-529	67	CROSS SECTION PROFILES
X-530	68	CROSS SECTION PROFILES

SUMMARY OF QUANTITIES :

Item No.	Bid Item No.	Description	Units	Quantity
RUNWAY 10-28 & ASSOCIATED TAXIWAY CONNECTOR OVERLAY WEST				
1	AR150510	Engineer's Field Office	LS	1
2	AR150520	Mobilization	LS	1
3	AR150530	Traffic Maintenance	LS	1
4	AR801754	Safety and Security	LS	1
5	AR156500	Temporary Erosion Control	LS	1
6	AR401610	Bituminous Surface Course	TN	4,249
7	AR401640	Bituminous Pavement Grooving	SY	19,189
8	AR401650	Bituminous Pavement Milling	SY	32,562
9	AR801755	Bituminous Patching	TN	124
10	AR401620	Bituminous Surface Course, Leveling	TN	647
11	AR603510	Bituminous Tack Coat	GAL	8,133
12	AR801756	Remove Existing In-Pavement Edge Light Fixture and Install Blank Coverplate	EA	3
13	AR801757	Remove Existing Junction Box	EA	1
14	AR801758	Pavement Surface Sensor Cable	LF	700
15	AR108706	1/C #6 Counterpoise	LF	950
16	AR110202	2" PVC Duct, Direct Bury	LF	800
17	AR110501	1-Way Concrete Encased Duct	LF	150
18	AR801750	Remove Existing and Install Proposed Pavement Surface Sensor	EA	3
19	AR801751	Install Subsurface Temperature Probe	EA	1
20	AR110810	Junction Box	EA	1
21	AR801752	Pavement Surface Sensor System Commissioning	LS	1
22	AR801753	Remove Blank Coverplate and Re-install In-Pavement Edge Light on Existing Light Base	EA	3

DU080



ISSUE FOR BID	REVISION	CHK	HF	DR	JRT	APVD	DCT	APVD	MV
2012/09/21									

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL®

GENERAL
**DRAWING INDEX
& SUMMARY OF QUANTITIES**

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG G-101
SHEET 2 of 68

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.

©CH2M HILL 2011. ALL RIGHTS RESERVED.



© CH2M HILL 2011. ALL RIGHTS RESERVED.

ABBREVIATIONS

AB	AGGREGATE BASE
ABV	ABOVE
A/C	ACCESS CONTROL
AC	ACRES
ADJ	ADJUST
AGG	AGGREGATE
AGS	AUXILIARY GAS VALVE
ALD	AIRFIELD LIGHTING DUCT
ALSF	APPROACH LIGHTING SEQUENCE FLASHERS
ARFF	AIRPORT RESCUE AND FIRE FIGHTING
AS	AERIAL SURVEYS
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AUX	AUXILIARY
AVE.	AVENUE
ATCT	AIR TRAFFIC CONTROL TOWER
AX	AXIS OF ROTATION
B-B	BACK TO BACK
BLVD	BOULEVARD
BM	BENCHMARK
BV	BALL VALVE
CL	CENTERLINE
CB	CATCH BASIN
CC	CENTER TO CENTER
CED	COMBINED / COMMON ELECTRICAL DUCTBANK
CI	CAST IRON
CM	CONSTRUCTION MANAGER
CMH	COMMUNICATION MANHOLE
CMP	CORRUGATED METAL PIPE
COMED	COMMONWEALTH EDISON
COMM	COMMUNICATIONS
CONC	CONCRETE
C.Y.	CUBIC YARD
CSPN	CARGO SITE PREP NORTH
DAA	DUPAGE AIRPORT AUTHORITY
DET	DETAIL
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DME	DISTANCE MEASURING EQUIPMENT
DOA	DEPARTMENT OF AVIATION
E	EAST
ED or E.D.	EDGE DRAIN
EMH	ELECTRIC MANHOLE
EL or ELEV	ELEVATION
ESVCP	EXTRA STRONG VITRIFIED CLAY PIPE
EX	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FFM	FAR FIELD MONITOR
FH	FIRE HYDRANT
FT	FEET
G	GRADE
GRND	GROUND
GS	GLIDE SLOPE
HR	HANGAR ROAD
HV	HIGH VOLTAGE
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
ILS	INSTRUMENT LANDING SYSTEM
IE or I.E.	INVERT ELEVATION
ID	IDENTIFICATION
IH	INSPECTION HOLE
INV.	INVERT
JC	JUNCTION CHAMBER
JV	JOINT VALVE
KV	KILOVOLT
K=L/A	LENGTH OF VERTICAL CURVE/ ALGEBRAIC DIFFERENCE IN GRADE
L	LENGTH
L.S.	LUMP SUM
LOC	LOCALIZER
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
MPR	MOUNT PROSPECT ROAD
N	NORTH
NAVD	NORTH AMERICAN VERTICAL DATUM
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N.I.C.	NOT IN CONTRACT

ABBREVIATIONS

NTS	NOT TO SCALE
NO	NUMBER
NPR	NORTH PERIMETER ROAD
O.D.	OUTSIDE DIAMETER
OFA	OBJECT FREE AREA
OZ	OUNCE
PAPI	PRECISION APPROACH PATH INDICATOR LIGHTS
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
P.I.	POINT OF INTERSECTION
PL	PROPERTY LINE
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVC PIPE	POLYVINYL CHLORIDE PIPE
PSI	POUNDS PER SQUARE INCH
R	REMOVE
RAD	RADIUS
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
RPP	REINFORCED POLYPROPYLENE
RPU	REMOTE PROCESSING UNIT
REV.	REVISION
RGS	RIGID STEEL
RD.	ROAD
RSA	RUNWAY SAFETY AREA
R/W	RUNWAY
RPZ	RUNWAY PROTECTION ZONE
SA	SANITARY
SCH	SCHEDULE
SD	STORM DRAIN
SHT	SHEET
S	SOUTH
SQR	SQUARE
S.F.	SQUARE FEET
S.Y.	SQUARE YARD
STA	STATION
ST.	STREET
ST	STORM SEWER
T	TANGENT
T.S.	TANGENT SPIRAL
TSA	TAXIWAY SAFETY AREA
T/W	TAXIWAY
TDZ	TOUCHDOWN ZONE
TYP	TYPICAL
UD or U.D.	UNDERDRAIN
UMH	UNDERDRAIN MANHOLE
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
VPI	VERTICAL POINT OF INTERSECTION
W	WEST
W/	WITH
WMG	WEST MASS GRADING
YD	YARD

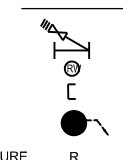
SYMBOLS

	EXISTING	PROPOSED
CATCH BASIN		
POWER POLE		
DRAINAGE MANHOLE		
INLET		
DITCH OR SWALE		
FIRE HYDRANT		
ELECTRICAL HANDHOLE		
HIGH VOLTAGE/LOW VOLTAGE COMMUNICATION MANHOLES		
COMBINED ELEC. DUCTBANK (CED) HANDHOLE CLUSTER		
2" COMBINATION AIR RELEASE VALVE ASSEMBLY		
INSPECTION MANHOLE		
MJ BUTTERFLY VALVE		
MJ GATE VALVE		
PITOMETER TAP		

SYMBOLS

FIRE CISTERN	
ROUNDWAY	
CAP	
TIE INTO EXISTING SYSTEM	
REMOVE AIRFIELD LIGHTING FIXTURE	

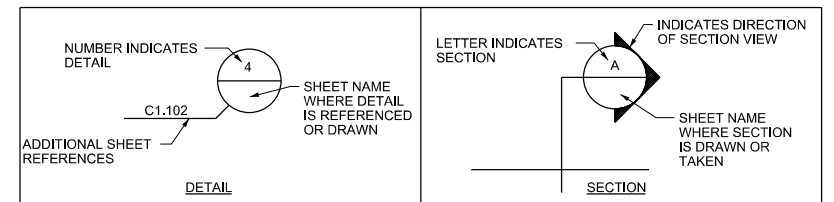
PROPOSED



LEGEND

	EXISTING	PROPOSED
CABLE TV	--- CTV --- CTV --- CTV ---	--- CTV --- CTV --- CTV ---
CITY ELECTRIC	--- E --- E --- E --- E ---	--- E --- E --- E --- E ---
CLOSED CIRCUIT TV	--- CCTV --- CCTV --- CCTV ---	--- CCTV --- CCTV --- CCTV ---
COMED	--- CECO --- CECO --- CECO ---	--- CECO --- CECO --- CECO ---
COMMON ELECTRIC DUCT BANK	--- CED --- CED --- CED ---	--- CED --- CED --- CED ---
FAA	--- FAA --- FAA --- FAA ---	--- FAA --- FAA --- FAA ---
FIBER OPTIC	--- FAA --- FAA --- FAA ---	--- FAA --- FAA --- FAA ---
FUELING FACILITIES	--- F --- F --- F --- F ---	--- F --- F --- F --- F ---
NATURAL GAS	--- G --- G --- G --- G ---	--- G --- G --- G --- G ---
OIL PIPE	--- O --- O --- O --- O ---	--- O --- O --- O --- O ---
PIPE UNDERDRAIN (DIRECTION KNOWN)	--- SD --- SD --- SD --- SD ---	--- SD --- SD --- SD --- SD ---
PIPE UNDERDRAIN (DIRECTION UNKNOWN)	--- SD --- SD --- SD --- SD ---	--- SD --- SD --- SD --- SD ---
RAILROAD	--- RR --- RR --- RR --- RF ---	--- RR --- RR --- RR --- RF ---
TELEPHONE	--- T --- T --- T --- T ---	--- T --- T --- T --- T ---
SANITARY SEWER (DIRECTION KNOWN)	--- SA --- SA --- SA --- SA ---	--- SA --- SA --- SA --- SA ---
SANITARY SEWER (DIRECTION UNKNOWN)	--- SA --- SA --- SA --- SA ---	--- SA --- SA --- SA --- SA ---
SECURITY, TSA	--- SEC --- SEC --- SEC ---	--- SEC --- SEC --- SEC ---
STORM SEWER (DIRECTION KNOWN)	--- ST --- ST --- ST --- ST ---	--- ST --- ST --- ST --- ST ---
STORM SEWER (DIRECTION UNKNOWN)	--- ST --- ST --- ST --- ST ---	--- ST --- ST --- ST --- ST ---
SUPERVISORY MONITORING SYSTEM	--- SMS --- SMS --- SMS ---	--- SMS --- SMS --- SMS ---
WATER DISTRIBUTION	--- W --- W --- W --- W ---	--- W --- W --- W --- W ---
WEATHER SENSOR & GAUGES	--- WSG --- WSG --- WSG ---	--- WSG --- WSG --- WSG ---
FENCE	--- X --- X --- X --- X --- X ---	--- X --- X --- X --- X --- X ---
AOA FENCING	--- XX --- XX --- XX --- XX --- XX ---	--- XX --- XX --- XX --- XX --- XX ---
DEMO OR REMOVE	--- X --- X --- X --- X --- X ---	--- X --- X --- X --- X --- X ---
RUNWAY SAFETY AREA	--- RSA --- RSA ---	--- RSA --- RSA ---
RUNWAY OBJECT FREE AREA	--- ROFA --- ROFA --- ROFA ---	--- ROFA --- ROFA --- ROFA ---
TAXIWAY SAFETY AREA	--- TSA --- TSA --- TSA ---	--- TSA --- TSA --- TSA ---
TAXIWAY OBJECT FREE AREA	--- TOFA --- TOFA --- TOFA ---	--- TOFA --- TOFA --- TOFA ---
AGRICULTURAL AREA LIMITS	--- --- --- --- ---	--- --- --- --- ---

METHOD OF IDENTIFYING SECTIONS AND DETAILS



8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL
GENERAL

CIVIL LEGEND & ABBREVIATIONS

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG G-102
SHEET 3 of 68

GENERAL NOTES

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS AND SPECIFICATIONS REFERENCED THEREIN. THE PROJECT IS SUBJECT TO INSPECTION BY REPRESENTATIVES OF THE DUPAGE AIRPORT AUTHORITY (DAA), THE FEDERAL AVIATION ADMINISTRATION (FAA), THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT), AND OTHER GOVERNING AGENCIES.
2. THE PROJECT IS TO BE COMPLETED IN A TIMELY MANNER IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED PROJECT SCHEDULE. THE SCHEDULE SHALL BE PROVIDED FOR COMPLETION OF THE WORK AS SHOWN ON THE PLANS AND DESCRIBED IN THE CONTRACT SPECIFICATIONS. THE CONTRACTOR SHALL KEEP AIRPORT OPERATIONS INFORMED OF UPDATES TO THE PROJECT SCHEDULE AT ALL TIMES.
3. THE CONTRACTOR SHALL COMPLETE THE ENTIRE PROJECT WITHIN THE TIME STATED IN THE CONTRACT.
4. THE AIRPORT WILL BE IN OPERATION DURING THE CONSTRUCTION OF THIS PROJECT. COORDINATION OF WORK WITH THE DAA, FAA, IDOT AND LOCAL ATCT REPRESENTATIVES IS MANDATORY SO AS TO MINIMIZE IMPACTS ON AIRPORT OPERATIONS.
5. CONSTRUCTION AND MAINTENANCE OPERATIONS BY OTHERS MAY OCCUR CONCURRENTLY AND AT TIMES IN THE VICINITY OF CONSTRUCTION ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS AND COOPERATE WITH MAINTENANCE CREWS AND OTHER CONTRACTORS WORKING ON THE AIRPORT. CONTRACTOR COORDINATION WITH APPROPRIATE GOVERNMENT AND UTILITY AGENCIES IS ALSO REQUIRED PRIOR TO AND DURING CONSTRUCTION.
6. ACCESS TO THE SITE - THE CONTRACTOR'S ACCESS POINTS TO THE SITE SHALL BE THROUGH DESIGNATED SECURITY GATES AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL VEHICLES AND PERSONNEL THAT ENTER THROUGH THESE DESIGNATED AIRPORT SECURITY GATES. AIRPORT SECURITY GATES SHALL BE SECURED AT ALL TIMES WHEN NOT IN USE.
7. HAUL ROUTES - THE CONTRACTOR'S ON-AIRPORT HAUL ROUTES AND CONSTRUCTION ACCESS SHALL BE EXISTING HAUL ROADS WHERE AVAILABLE. ANY DEBRIS (WHETHER CAUSED BY THE CONTRACTOR OR NOT) SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS, OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE ROADS USED AS HAUL ROUTES/CONSTRUCTION ACCESS SHALL BE MAINTAINED AND STABILIZED BY THE CONTRACTOR AS REQUIRED TO SUPPORT CONSTRUCTION EQUIPMENT THROUGHOUT THE DURATION OF THIS PROJECT AND SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE/CONSTRUCTION ACCESS UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION MANAGER. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES/CONSTRUCTION ACCESS SHALL BE JOINTLY INSPECTED AND AGREED UPON BY THE CONTRACTOR AND THE CONSTRUCTION MANAGER. FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT/REMOVE TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE CONSTRUCTION MANAGER PRIOR TO COMMENCING THE WORK. ALL ON-SITE ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.
8. CONTRACTOR'S STAGING AREAS - AN AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES, FENCE, TREES, ETC. WITHIN THE STAGING AREA AND THE SITE SHALL BE RESTORED TO ITS ORIGINAL CONDITION WITHIN THIRTY (30) DAYS OF THE COMPLETION OF USE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
9. DISPOSAL AREAS - EXCESS SOILS, MILLED ASPHALT, CONCRETE RUBBLE AND UNSUITABLE EXCAVATION MUST BE DISPOSED AT APPROVED LOCATIONS OFFSITE. OFFSITE DISPOSAL AREAS SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS.
10. SAFETY - THE CONTRACTOR SHALL CONDUCT ALL ACTIVITIES IN A SAFE MANNER AS SPECIFIED BY LOCAL, STATE AND FEDERAL LAWS.
11. PROTECTION AND REPAIR OF EXISTING UTILITIES - LOCATIONS OF KNOWN EXISTING AIRPORT UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, BY VISUAL, ELECTRICAL AND BY HAND EXCAVATION OR OTHER METHODS IN COORDINATION WITH ALL UTILITY COMPANIES AND DAA FACILITIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES BY THE PROPOSED IMPROVEMENTS SHALL BE RESOLVED WITH THE CONSTRUCTION MANAGER PRIOR TO BEGINNING THE CONSTRUCTION ACTIVITIES. ANY REPAIRS TO EXISTING UTILITIES DAMAGED BY CONTRACTOR ACTIVITIES SHALL BE COMPLETED IMMEDIATELY BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL BE AT THE CONTRACTOR'S EXPENSE. IF FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF AN FAA REPRESENTATIVE. THE FAA MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS, IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS AT NO ADDITIONAL EXPENSE TO THE OWNER.

12. EXISTING AIRFIELD LIGHTING SYSTEMS - INTERRUPTION OF EXISTING AIRFIELD LIGHTING SYSTEMS NOT INCLUDED IN THIS PROJECT SHALL NOT BE PERMITTED. ALL AIRFIELD LIGHTING CIRCUITS AFFECTED BY THIS PROJECT SHALL BE TEMPORARILY MAINTAINED BY THE CONTRACTOR DURING OPERATIONAL PERIODS AND COORDINATED THROUGH THE CONSTRUCTION MANAGER. THE CONTRACTOR SHALL IMMEDIATELY REPLACE RUNWAY/TAXIWAY SIGNS AND LIGHTS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATION AT THE CONTRACTOR'S EXPENSE.
13. CONSTRUCTION LIMITS - ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORIZED) SHALL REMAIN WITHIN THE DESIGNATED STAGING AREA, CONSTRUCTION LIMITS AND HAUL ROUTES. CONSTRUCTION, STORAGE AND STOCKPILING LIMITS ARE FURTHER DEFINED IN THE SECTION TITLED, "SAFETY REQUIREMENTS DURING CONSTRUCTION".
14. PORTABLE FLOODLIGHTING - IF NEEDED, THE CONTRACTOR SHALL PROVIDE PORTABLE FLOODLIGHTING AS REQUIRED FOR NIGHT CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL PROVIDE SUFFICIENT UNITS SO THAT ALL WORK AREAS ARE ILLUMINATED TO A MINIMUM LEVEL OF 5 HORIZONTAL FOOT CANDLES. THE LIGHTING LEVELS SHALL BE CALCULATED AND MEASURED IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE ILLUMINATION ENGINEERING SOCIETY. THE CONTRACTOR SHALL COORDINATE THE USE OF FLOODLIGHTING WITH THE AIR TRAFFIC CONTROL TOWER TO ENSURE LIGHTING DOES NOT COMPROMISE THE CONTROL TOWER PERSONNEL'S VISIBILITY OR CAUSE CONFUSION TO PILOTS.
15. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION WORK. REFER TO THE SPECIAL CONDITIONS AND GENERAL CONDITIONS SECTIONS OF THE CONTRACT DOCUMENTS.
16. EXISTING TOPOGRAPHIC, UNDERGROUND AND ABOVE GROUND UTILITY DATA FOR THIS PROJECT WERE OBTAINED FROM "AS BUILTS", VISUAL INSPECTIONS AND TOPOGRAPHIC SURVEY PERFORMED.
17. IF ANY UNUSUAL ODORS, SOIL STAINS OR BURIED WASTES ARE ENCOUNTERED, STOP WORK IMMEDIATELY AND NOTIFY THE OWNER, AND/OR CONSTRUCTION MANAGER.
19. THE CONTRACTOR SHALL FURNISH THE OWNER FIVE (5) SETS OF OPERATION AND MAINTENANCE MANUALS FOR ALL NEW EQUIPMENT INSTALLED.
20. WORK PERFORMED UNDER THIS CONTRACT WILL NOT BE CONSIDERED COMPLETE UNTIL FINAL ACCEPTANCE OF THE PROJECT BY THE OWNER AND RECEIPT AND APPROVAL OF THE FOLLOWING DOCUMENTS:
 - A) CONTRACTOR'S WAIVER AND RELEASE OF LIEN.
 - B) ABSOLUTE BILL OF SALE.
 - C) CONTRACTOR'S LETTER OF WARRANTY (I.E., LETTER AGREEMENT).
 - D) CONTRACTOR AS-BUILTS.
 - E) FINAL PUNCH LIST COMPLETED AND ACCEPTED BY THE CONSTRUCTION MANAGER.
 - F) TRANSFER OF OWNER WARRANTY.
21. IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PREVAILING WAGE RATES SHALL BE POSTED AT THE CONTRACTOR STAGING AREA IN A WEATHERPROOF ENCLOSURE AND COPIES SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER AND THE OWNER.

**CALL J.U.L.I.E
BEFORE EXCAVATING
1-800-892-0123**

SECURITY NOTES

1. THE CONTRACTOR SHALL DESIGNATE TO THE CONSTRUCTION MANAGER IN WRITING THE NAME OF ITS 'CONTRACTOR SECURITY OFFICER' (C.S.O.). THE C.S.O. SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS FOR THE CONTRACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH THE VARIOUS ASPECTS OF FAR 49 CFR PART 1542: "AIRPORT SECURITY", ADMINISTERED BY THE TRANSPORTATION SECURITY ADMINISTRATION (TSA). ANY VIOLATION OF CFR PART 1542 BY THE CONTRACTOR AND ANY SUBSEQUENT FINES IMPOSED DUE TO THE VIOLATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. CONTRACTOR PERSONNEL SECURITY ORIENTATION: THE C.S.O. SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS AND PROVISIONS ADOPTED BY THE DUPAGE AIRPORT AUTHORITY (DAA). ALL NEW CONTRACTOR EMPLOYEES SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREA.
3. ACCESS TO SITE: THE AIRPORT WILL NOT PROVIDE AIRFIELD OPERATIONS AREA ESCORTS. CONTRACTOR'S ACCESS TO THE SITE SHALL BE AS SHOWN ON THE SAFETY PLAN OR AS DIRECTED BY THE CONSTRUCTION MANAGER. NO OTHER ACCESS POINT SHALL BE ALLOWED UNLESS APPROVED BY THE CONSTRUCTION MANAGER. IF GATE IS TO BE LEFT UNLOCKED, CONTRACTOR SHALL PROVIDE GATE GUARDS FOR THE DURATION OF THE UNLOCKED CONDITION. ALL CONTRACTOR TRAFFIC AUTHORIZED TO ENTER THE SITE SHALL BE EXPERIENCED IN THE ROUTE OR ESCORTED BY THE CONTRACTOR PERSONNEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM THE ACCESS GATE TO THE SITE. A CONTRACTOR'S FLAGMAN OR TRAFFIC CONTROL PERSON SHALL MONITOR AND COORDINATE ALL CONTRACTOR TRAFFIC AT THE ACCESS GATE. THE CONTRACTOR SHALL NOT PERMIT ANY UNAUTHORIZED CONSTRUCTION PERSONNEL OR TRAFFIC ON THE AIRPORT OPERATIONS AREA (AOA). DIRECTIONAL SIGNING ALONG THE DELIVERY ROUTE TO THE STORAGE AREA OR WORK SITE SHALL BE AS DIRECTED BY THE CONSTRUCTION MANAGER.
4. CONSTRUCTION AREA LIMITS: THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, PARKING AREA AND OTHER AREAS DEFINED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION SHALL BE MARKED AND LIGHTED. THE CONTRACTOR SHALL ERECT AND MAINTAIN FENCING AROUND THE PERIMETER OF THESE AREAS AND VISIBLE DEVICES FOR DAY/NIGHT USE. TEMPORARY BARRICADES, FLAGGING AND FLASHING WARNING LIGHTS WILL BE REQUIRED AT CRITICAL ACCESS POINTS. THE TYPE OF MARKING AND WARNING DEVICES SHALL BE APPROVED BY THE CONSTRUCTION MANAGER AND AIRPORT OPERATIONS.
5. THE C.S.O. SHALL PROVIDE OPERATIONS AND THE CONSTRUCTION MANAGER A CURRENT LIST OF COMPANIES AUTHORIZED TO CONDUCT WORK ON THE AIRPORT. CONTRACTOR EMPLOYEE PERSONAL VEHICLES SHALL BE RESTRICTED TO THE CONTRACTORS EMPLOYEE PARKING AREA AND ARE NOT ALLOWED ON THE AIRFIELD AT ANY TIME.

DU080



NO.	DATE	ISSUE FOR BID	BY	APVD	MV
2012/09/21		REVISION			
DSGN	JRT	DR	APVD	DCT	HF

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL®
GENERAL
GENERAL AND SECURITY NOTES

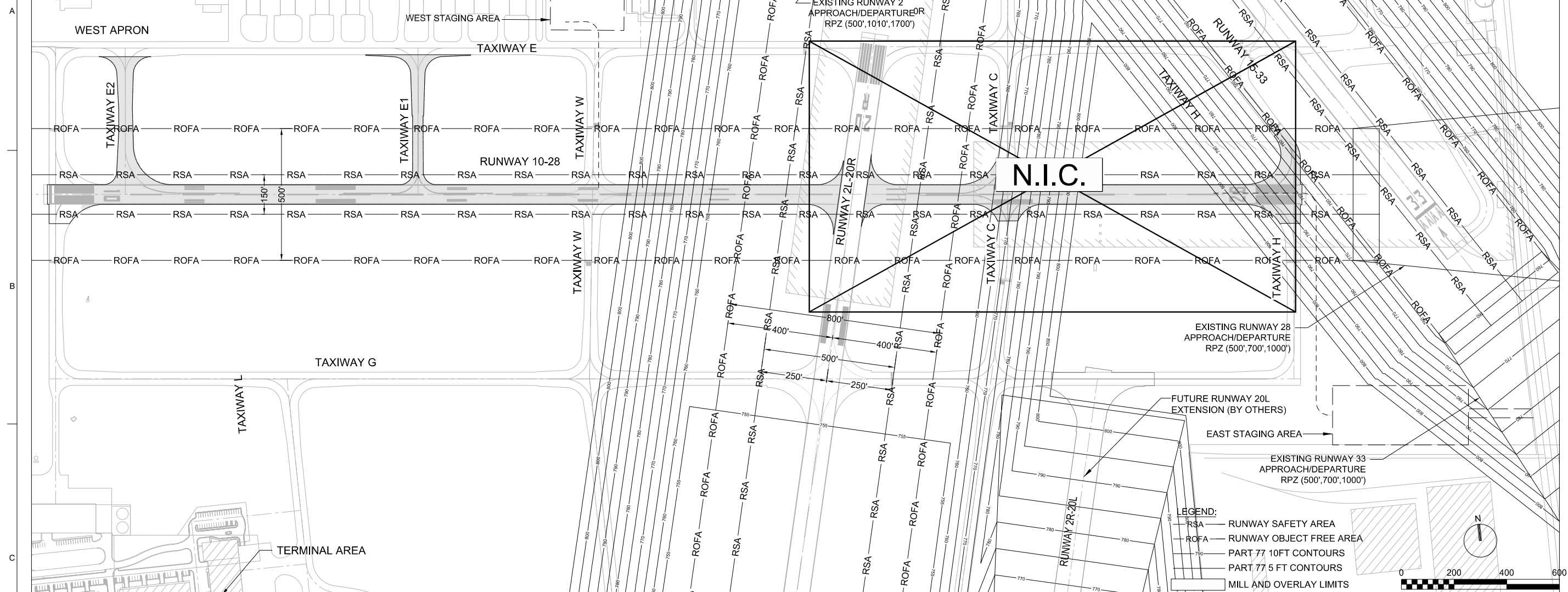
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	2012/02/03
PROJ	424278
DWG	G-103
SHEET	4 of 68

© CH2M HILL 2011. ALL RIGHTS RESERVED. REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.

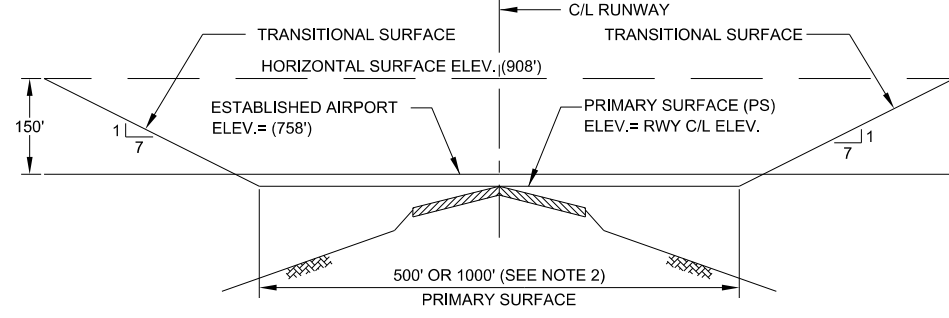
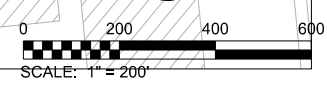
- NOTE:**
- PART 77 SURFACE DEPICTED DOES NOT INCLUDE CONTOURS ASSOCIATED WITH RUNWAY 10-28. THIS RUNWAY WILL BE CLOSED DURING THE CONSTRUCTION DURATION.
 - TAXIWAY SAFETY AND OBJECT FREE AREAS NOT SHOWN. SEE TABLE THIS SHEET FOR DIMENSIONS.

CRITICAL AREAS	ADG-II
TSA - TAXIWAY SAFETY AREA FROM CENTERLINE	40'
TOFA - TAXIWAY OBJECT FREE AREA FROM CENTERLINE	66'

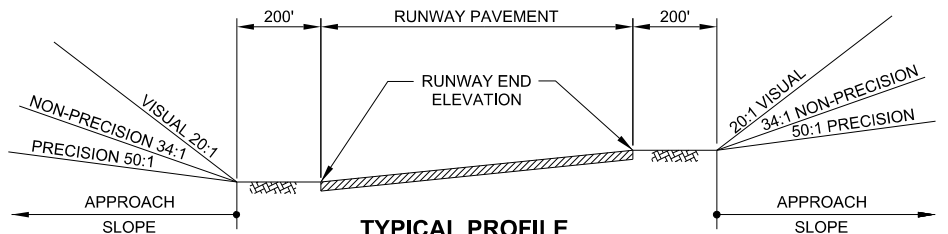


LEGEND:

- RSA - RUNWAY SAFETY AREA
- ROFA - RUNWAY OBJECT FREE AREA
- PART 77 10FT CONTOURS
- PART 77 5 FT CONTOURS
- MILL AND OVERLAY LIMITS

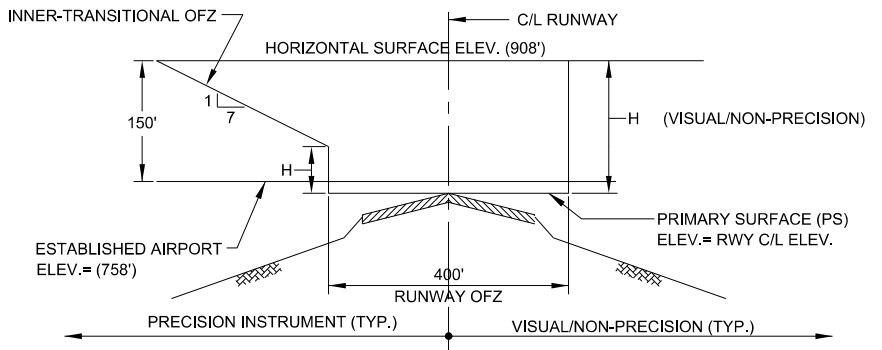


TYPICAL SECTION FAR PART 77 IMAGINARY SURFACES
N.T.S.



TYPICAL PROFILE FAR PART 77 IMAGINARY SURFACES
N.T.S.

RUNWAY END	ELEVATION (FT.)	APPROACH SLOPE	RUNWAY END	ELEVATION (FT.)	APPROACH SLOPE
2L	751.25'	50:1	20R	755.91'	34:1
2R	750.92'	20:1	20L	754.00'	20:1
10	753.75'	50:1	28	756.36'	34:1
15	756.87'	20:1	33	757.89'	20:1



RUNWAY	TYPE OF RUNWAY	H (AGL) (FEET)
2L-20R	PRECISION INSTRUMENT	50
2R-20L	VISUAL	150
10-28	PRECISION INSTRUMENT	50
15-33	VISUAL	150

TYPICAL SECTION OBSTACLE FREE ZONE (OFZ)
N.T.S.

- PART 77 NOTES:**
- SEE "SAFETY NOTES" AS CONTAINED IN THE PLANS REGARDING RESTRICTED AREAS IN THE VICINITY OF ACTIVE RUNWAYS, TAXIWAYS, AND NAVAIDS.
 - IMAGINARY SURFACE REQUIREMENTS FOR EXISTING ACTIVE RUNWAYS ARE SIMILAR. PRIMARY SURFACE (P.S.) DIMENSIONS VARY BASED ON RUNWAY APPROACH CATEGORY.
- RUNWAY 2L-20R P.S. = 1000' (500' LT. & RT. OF C/L)
 RUNWAY 2R-20L P.S. = 500' (250' LT. & RT. OF C/L)
 RUNWAY 10-28 P.S. = 1000' (500' LT. & RT. OF C/L)
 RUNWAY 15-33 P.S. = 500' (250' LT. & RT. OF C/L)
3. MSL = MEAN SEA LEVEL
 SUBTRACT GROUND ELEVATION FROM MSL ELEVATION FOR ABOVE GROUND CLEARANCE.

CH2MHILL®

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

GENERAL SAFETY PLAN

DATE	2012/02/03
PROJ	424278
DWG	G-106
SHEET	7 of 68

AS SHOWN
 VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 DATE: 2012/02/03
 PROJ: 424278
 DWG: G-106
 SHEET: 7 of 68

FILENAME: DPA_424278.01-G-106-SP.dgn PLOT DATE: \$PLOTDATE PLOT TIME: \$PLOTTIME

RUNWAY CLOSURE NOTES:

1. ALL AIRFIELD PAVEMENT CLOSURES SHALL BE TEMPORARY CLOSURES AS DESCRIBED IN FAA AC 150/5370-2E, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION." THE CONTRACTOR SHALL COMPLY WITH ALL THE REQUIREMENTS SET FORTH IN THE CONTRACT DOCUMENTS REGARDING AIRFIELD CLOSURES, SAFETY, AND SECURITY.

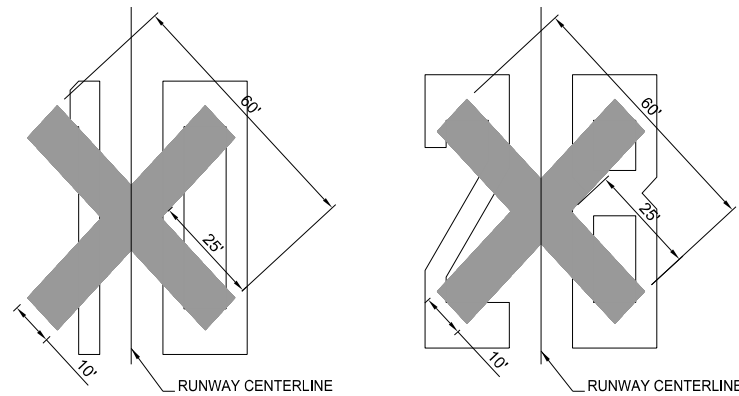
2. LIGHTED RUNWAY CLOSURE X EQUIPMENT SHALL MEET THE REQUIREMENTS OF FAA ADVISORY CIRCULAR 150/5345-55A. TWO UNITS OF LIGHTED RUNWAY CLOSURE X EQUIPMENT MEETING THIS REQUIREMENT SHALL BE PROVIDED BY THE CONTRACTOR FOR USE ON THE PROJECT AND DELIVERED TO THE DAA AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO FURNISH ALL FUEL AND/OR TEMPORARY POWER NECESSARY TO RUN THE EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EQUIPMENT AND TRANSPORTING IT TO AND FROM THE WORK AREA EACH PERIOD. THE LIGHTED RUNWAY CLOSURE X EQUIPMENT SHALL BE MOUNTED ON A TRAILER AND TOWED BY THE CONTRACTOR'S VEHICLE. CONTRACTOR SHALL PROVIDE REPLACEMENT BULBS FOR LIGHTED RUNWAY CLOSURE X EQUIPMENT. THE COST FOR PROVIDING AND MAINTAINING TWO UNITS OF LIGHTED RUNWAY X CLOSURE EQUIPMENT SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR MAINTENANCE OF AOA TRAFFIC.

IN THE EVENT LIGHTED RUNWAY CLOSURE EQUIPMENT IS NOT OPERATIONAL, NON-LIGHTED CLOSURE X'S CONSTRUCTED OF DOUBLE-LAYERED PAINTED SNOW FENCE, COLORED PLASTIC, OR SIMILAR MATERIALS SHALL BE USED AND APPROVED BY THE CONSTRUCTION MANAGER FOR USE ON THIS PROJECT. X'S SHALL BE PROPERLY SECURED TO PREVENT MOVEMENT BY JET BLAST OR WIND CURRENTS.

3. PRIOR TO REOPENING CLOSED AIRFIELD PAVEMENTS, THE ENTIRE SAFETY AREA MUST MEET FAA CRITERIA UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION MANAGER.

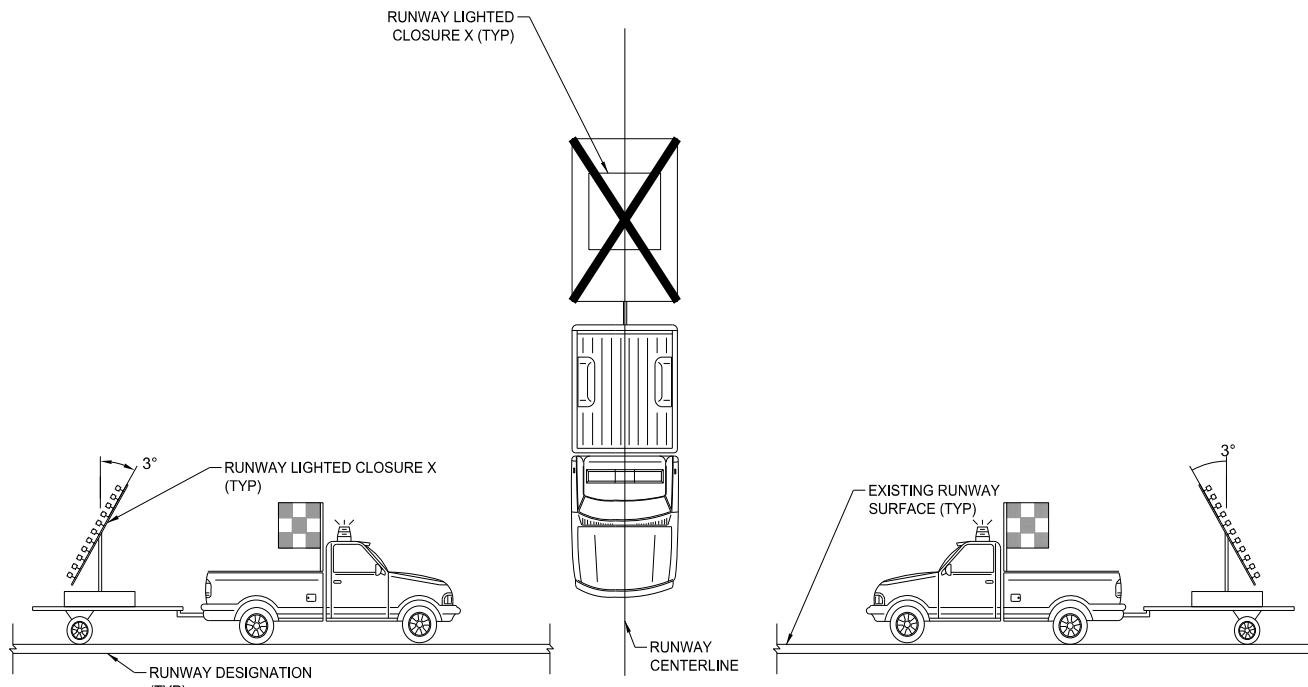
4. NON-LIGHTED CLOSURE X'S SHALL BE ASSEMBLED IN A MANNER APPROVED BY THE CONSTRUCTION MANAGER AND PLACED AT THE DIRECTION OF THE CONSTRUCTION MANAGER. THE COST FOR PROVIDING AND MAINTAINING NON-LIGHTED CLOSURE X'S SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR MAINTENANCE OF AOA TRAFFIC.

X'S SHALL BE PLACED AT EACH END OF THE RUNWAY ON TOP OF THE RUNWAY DESIGNATION MARKINGS.



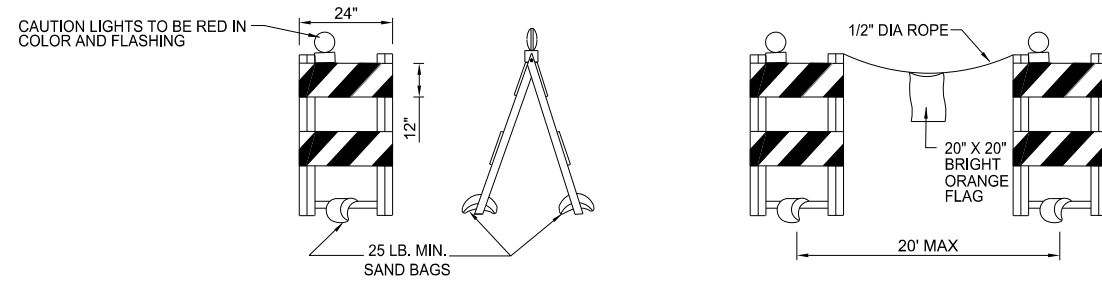
NON-LIGHTED TYPICAL RUNWAY CLOSURE DETAIL

N.T.S.



LIGHTED RUNWAY CLOSURE DETAIL PROFILE VIEW

N.T.S.



BARRICADE DETAIL

N.T.S.

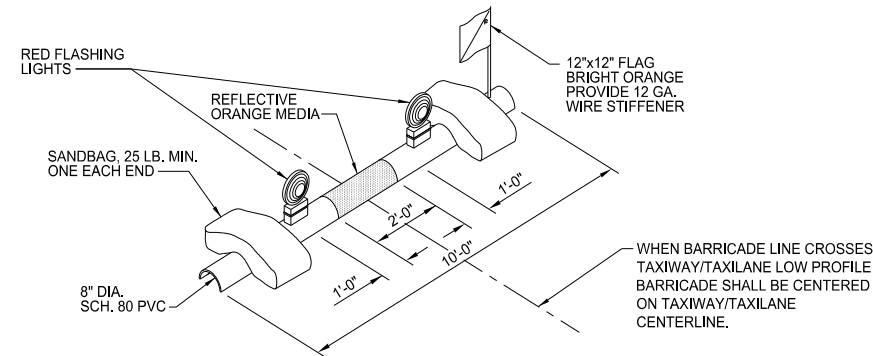
BARRICADE NOTES:

1. CLOSED SERVICE ROADS SHALL BE MARKED BY CONSTRUCTION BARRIER LINES CONSISTING OF IDOT TYPE II BARRICADES PAINTED WHITE W/ ORANGE STRIPES. BARRICADES SHALL BE PLACED AT A MAXIMUM INTERVAL OF 20' ON CENTER. THE BARRICADES SHALL BE CONNECTED WITH 1/2" DIA. ROPE WITH 20"x20" BRIGHT ORANGE FLAGS ON CENTER. THE FLAG SHALL BE INSTALLED SO THAT THEY ARE ALWAYS IN THE EXTENDED POSITION AND PROPERLY ORIENTED.

2. BARRICADES SHALL BE WEIGHTED WITH SANDBAGS TO PREVENT DISPLACEMENT, MINIMUM WEIGHT OF 50 LBS. PER BARRICADE.

3. ALL BARRICADES SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A DAILY BASIS AND SHALL BE REPAINTED OR REPLACED WHEN DEEMED APPROPRIATE BY THE CONSTRUCTION MANAGER. THE CONDITIONS OF LIGHTING UNITS SHALL BE CHECKED DAILY. ALL LIGHT FIXTURES SHALL BE VERIFIED IN OPERATING CONDITION AND GOOD WORKING ORDER BY THE CONTRACTOR ON A DAILY BASIS, BEFORE THE CONTRACTOR CEASES OPERATIONS FOR THE DAY.

4. CAUTION LIGHTS SHALL BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. THERE WILL BE NO SEPARATE MEASUREMENT OR DIRECT PAYMENT FOR FURNISHING, MAINTAINING, RELOCATION OR REMOVAL OF THESE BARRICADES. PRICE FOR BARRICADES SHALL BE INCLUDED IN LUMP SUM BID PRICE FOR MAINTENANCE OF AOA TRAFFIC.



LOW PROFILE BARRICADE DETAIL

N.T.S.

LOW PROFILE BARRICADE NOTES:

1. TYPICAL BARRICADE TO BE PLACED, ALONG THE LIMITS OF THE PHASES OF WORK, AS SHOWN IN THESE PLANS TO DELINEATE THE CONTRACTOR'S WORK AREAS AND CLOSED TAXIWAYS/TAXILANES.

2. BARRICADE SECTIONS SHALL BE ALL WHITE WITH REFLECTIVE ORANGE MEDIA AS SHOWN ON DETAIL. ALL INCIDENTAL CONNECTORS, SPACERS, SPLICE PLATES, ETC. SHALL BE PAINTED WHITE.

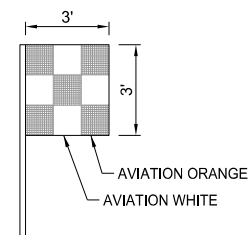
3. ALL BARRICADES SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A DAILY BASIS AND SHALL BE REPAINTED WHEN DEEMED APPROPRIATE BY THE CONSTRUCTION MANAGER. THE CONDITIONS OF LIGHTING UNITS SHALL BE CHECKED DAILY. ALL LIGHT FIXTURES SHALL BE VERIFIED IN OPERATING CONDITION AND GOOD WORKING ORDER BY THE CONTRACTOR ON A DAILY BASIS BEFORE THE CONTRACTOR CEASES OPERATIONS FOR THE DAY.

4. ALL BARRICADES SHALL BE MOVED AT LEAST ONCE EACH WEEK AND THE CONTRACTOR SHALL SWEEP THE ACCUMULATED DEBRIS AND REMOVE AND DISPOSE OF THE DEBRIS OFFSITE AT AN APPROVED DISPOSAL FACILITY. THE BARRICADES SHALL THEN BE REPLACED AT THE APPROPRIATE LOCATION.

5. CAUTION LIGHTS SHALL BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. THERE WILL BE NO SEPARATE MEASUREMENT OR DIRECT PAYMENT FOR FURNISHING, MAINTAINING, RELOCATION OR REMOVAL OF THESE BARRICADES. PRICE FOR BARRICADES SHALL BE INCLUDED IN LUMP SUM BID PRICE FOR MAINTENANCE OF AOA TRAFFIC.

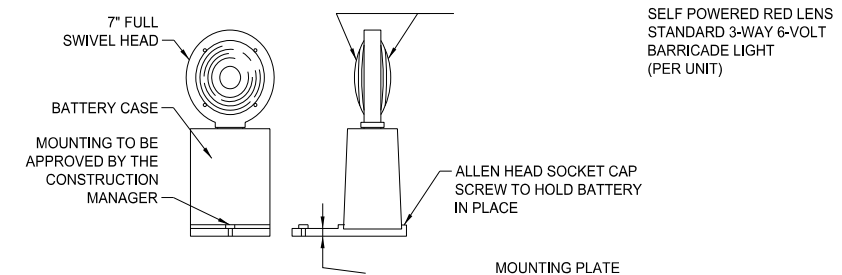
6. ALL LOW PROFILE BARRICADES ARE TO BE PLACED AT A MAXIMUM INTERVAL OF TWENTY FEET (20') ON CENTER.

7. THE CONTRACTOR MAY SUBSTITUTE AN APPROVED EQUAL LOW PROFILE BARRICADE GENERALLY CONFORMING TO THE ABOVE DETAILS AND CONFORMING TO THE SPECIFICATIONS FOR APPROVAL BY THE CONSTRUCTION MANAGER.



VEHICLE FLAG

N.T.S.



BARRICADE LIGHT DETAIL

N.T.S.

DU080



APVD	BY	APVD	MV
ISSUE FOR BID	REVISION	CHK	DCT
NO.	DATE	DR	JRT
2012/09/21			

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

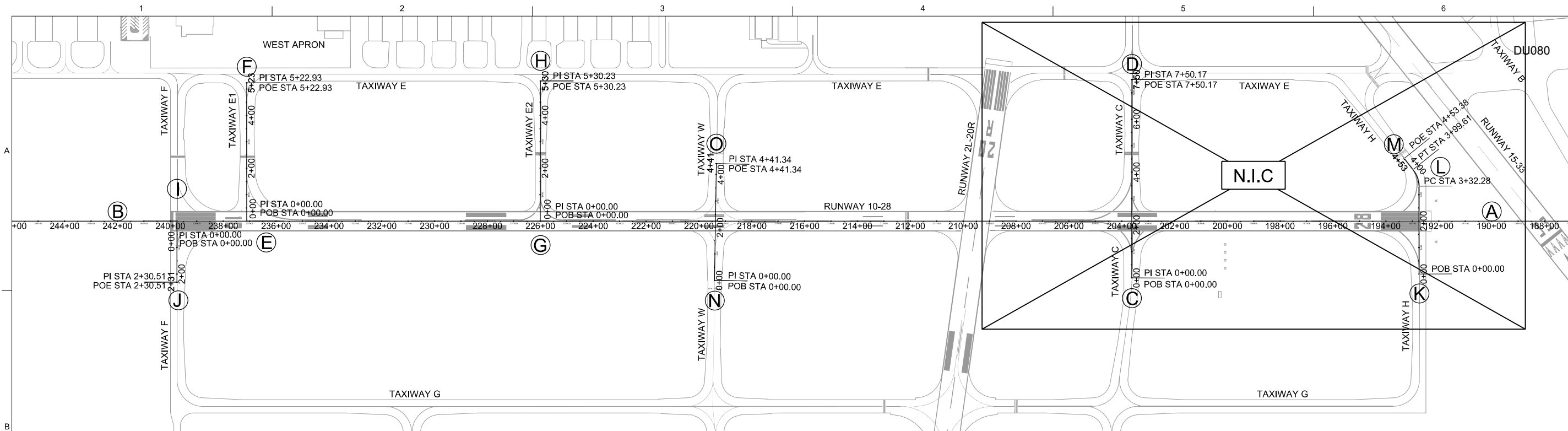
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL®

GENERAL
SAFETY PLAN
DETAILS

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE	2012/02/03
PROJ	424278
DWG	G-107
SHEET	8 of 68



NO.	DATE	BY	APVD	MV
1	2012/09/21	CHK	APVD	JJ
2		JA		
3		DR		
4		JA		
5				
6				
7				
8				
9				
10				

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

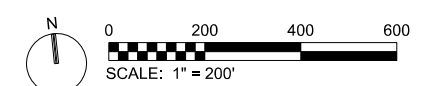
CH2MHILL®

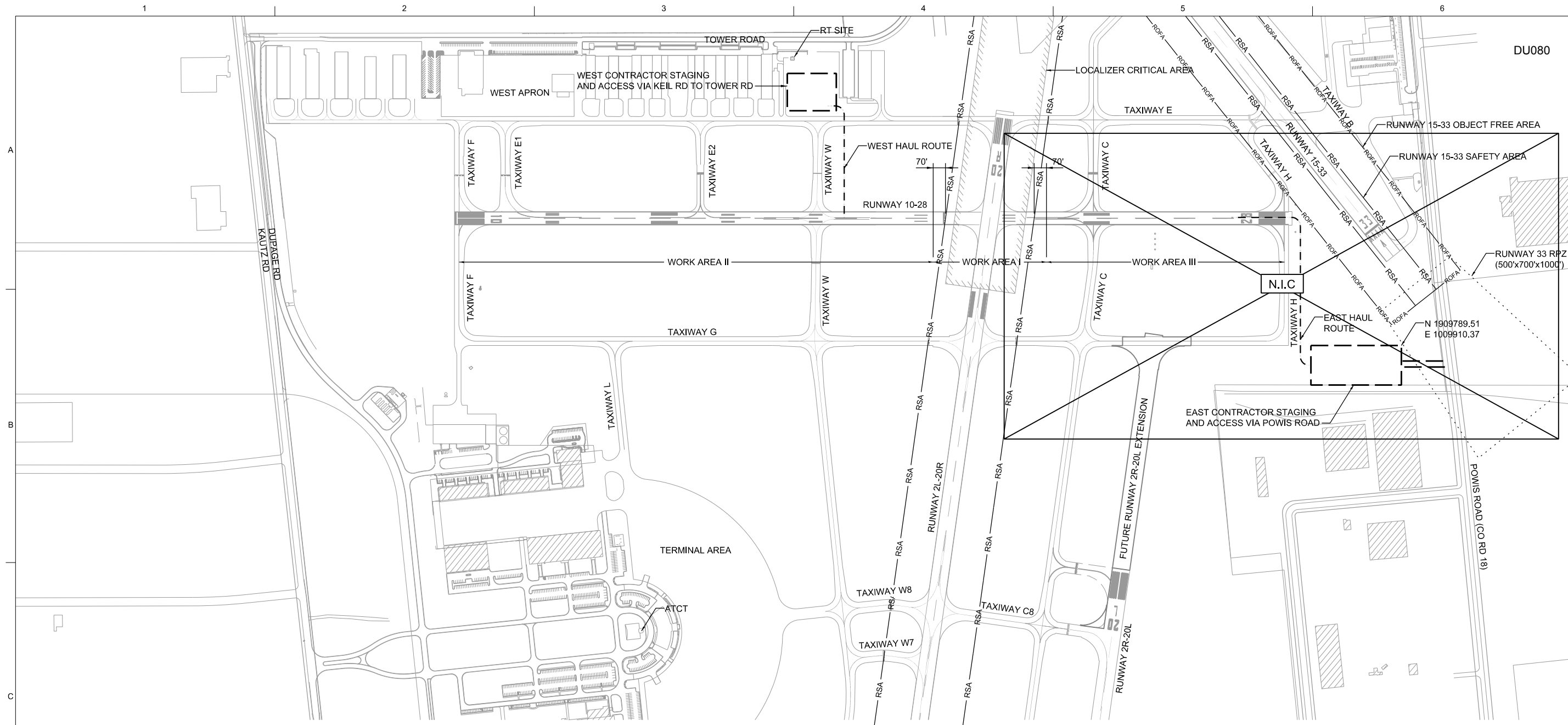
GENERAL
CONTROL LINE PLAN

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG G-109
SHEET 10 of 68

CONTROL LINE DATA - BASELINE RUNWAY 10-28											
POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
	N 84°02'05.62" W	1800.00'	1910363.61	1011384.90		172+00.00					
A		5200.00'	1910550.67	1009594.67		190+00.00					
B		1850.00'	1911091.07	1004422.82		242+00.00					
			1911283.32	1002582.84		260+50.00					
CONTROL LINE DATA - BASELINE TAXIWAY C											
POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
C	N 5°59'46.55" E	750.17'	1910478.80	1008217.90		0+00.00					
D			1911224.87	1008296.27		7+50.17					
CONTROL LINE DATA - BASELINE TAXIWAY E1											
POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
E	N 6°02'50.44" E	522.93'	1910924.81	1006013.97		0+00.00					
F			1911452.09	1006069.83		5+22.93					
CONTROL LINE DATA - BASELINE TAXIWAY E2											
POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
G	N 5°59'32.01" E	522.93'	1911040.27	1004908.99		0+00.00					
H			1911560.34	1004963.58		5+22.93					
CONTROL LINE DATA - BASELINE TAXIWAY F											
POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
I	S 5°55'49.82" W	230.51'	1911067.70	1004646.45		0+00.00					
J			1910838.42	1004622.64		2+30.51					
CONTROL LINE DATA - BASELINE TAXIWAY H											
POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
K	N 5°50'33.30" E	332.28'	1910380.69	1009300.49		0+00.00					
L	N 32°44'06.68" W	88.77'	1910746.06	1009337.88	3+32.28		3+99.61	38°34'39.98"	100.00'	67.33'	35.00'
M	N 32°44'06.68" W		1910820.73	1009289.88		4+53.38					
CONTROL LINE DATA - BASELINE TAXIWAY W											
POINT ID	BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
N	N 6°52'43.02" E	441.34'	1910633.74	1006646.44		0+00.00					
O			1911071.90	1006699.29		4+41.34					

- NOTES:
1. VERTICAL CONTROL IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 2. HORIZONTAL CONTROL IS BASED ON THE NORTH AMERICAN DATUM 83 (NAD83).

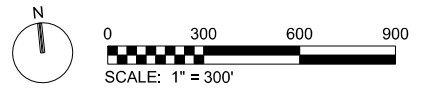




SCHEDULE	DURATION	LIQUATED DAMAGES
WORK AREA I	5 PM FRIDAY TO 6 AM MON	\$1,000/HOUR, MAXIMUM OF \$10,000/DAY THAT RUNWAY 2L-20R REMAINS CLOSED AFTER 6:00AM
WORK AREA II	50 WORK DAYS	\$1,500 to \$2,000/DAY
WORK AREA III	50 WORK DAYS	N/A

GENERAL NOTES:

- PRIOR TO OPENING PAVEMENTS TO AIRCRAFT TRAFFIC, THE AIRFIELD PAVEMENTS SHALL BE THOROUGHLY CLEANED TO REMOVE ALL MILLINGS, TRASH, DIRT, DEBRIS OR ANY OTHER OBJECT WHICH COULD PRESENT A FOD CONCERN FOR TAXIING AIRCRAFT. TAXIWAY CENTERLINE AND HOLD LINE MARKINGS SHALL BE APPLIED TO THE MILLED AND INTERMEDIATE PAVEMENT SURFACES, AS APPLICABLE. EDGE LIGHTING CIRCUITS SHALL BE FULLY OPERATIONAL, AS REQUIRED, ON OPEN AIRFIELD PAVEMENTS FOR AIRCRAFT TAXIING.
- THE RSA DELINEATION OF RW 2L-20R WITHIN THE WORK AREAS SHALL CONSIST OF CONTINUOUS ORANGE SNOW FENCE.
- THE CONTRACTOR SHALL LOCK-OUT/TAG-OUT RUNWAY 10-28 CENTERLINE AND EDGE CIRCUITS FOR THE DURATION OF THIS PROJECT.
- WORK AREAS I AND II DO NOT CORRESPOND TO SEQUENCE OF CONSTRUCTION BUT RATHER WORK AREAS.
- AFTER SUBSTANTIAL COMPLETION OF PAVING THE CONTRACTOR MUST WAIT 30 CALENDAR DAYS BEFORE GROOVING AND APPLYING FINAL PAINT MARKINGS WITH REFLECTIVE BEADS.
- HAUL ROADS ARE INCIDENTAL TO THE CONTRACT AND MUST BE RESTORED TO THE ORIGINAL CONDITION UNLESS OTHERWISE DIRECTED BY CONSTRUCTION MANAGER.
- CONTRACTOR TO COORDINATE WITH LOCAL FAA TECH OPS TO NOTAM OFF RUNWAY 10 LOCALIZER, RUNWAY 10 GLIDE SLOPE, RUNWAY 10 APPROACH LIGHT SYSTEM



CH2MHILL
GENERAL
OVERALL WORK AREA PLAN

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

DUPAGE AIRPORT AUTHORITY

DU080

ISSUE FOR BID
2012/09/21
NO. DATE

REVISION
BY APVD

CHK
JA

DR
JA

APVD
JJ

MV

AS SHOWN

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE 2012/02/03

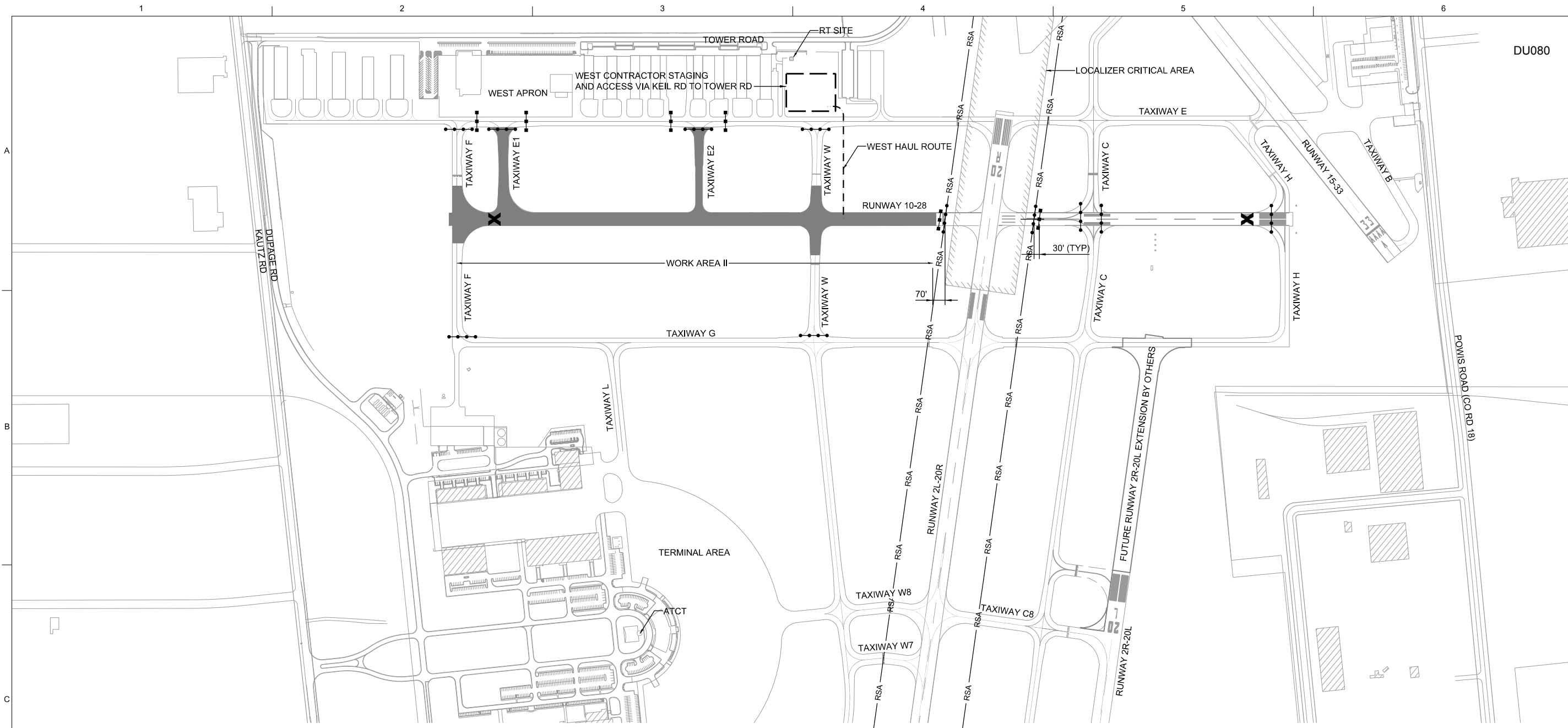
PROJ 424278

DWG G-110

SHEET 11 of 68

REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.

© CH2M HILL 2011. ALL RIGHTS RESERVED.

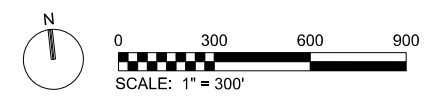


LEGEND

- WORK AREA
- X RUNWAY LIGHTED CLOSURE X'S REQUIRED WHEN WORKING IN ALL WORK AREAS. CONTRACTOR SHALL PROVIDE AND MAINTAIN LIGHTED X INCLUDING FUEL, LAMPS AND OIL CHANGES.
- X NON-LIGHTED CLOSURE X
- LOW PROFILE BARRICADES
- BARRICADES

NOTES:

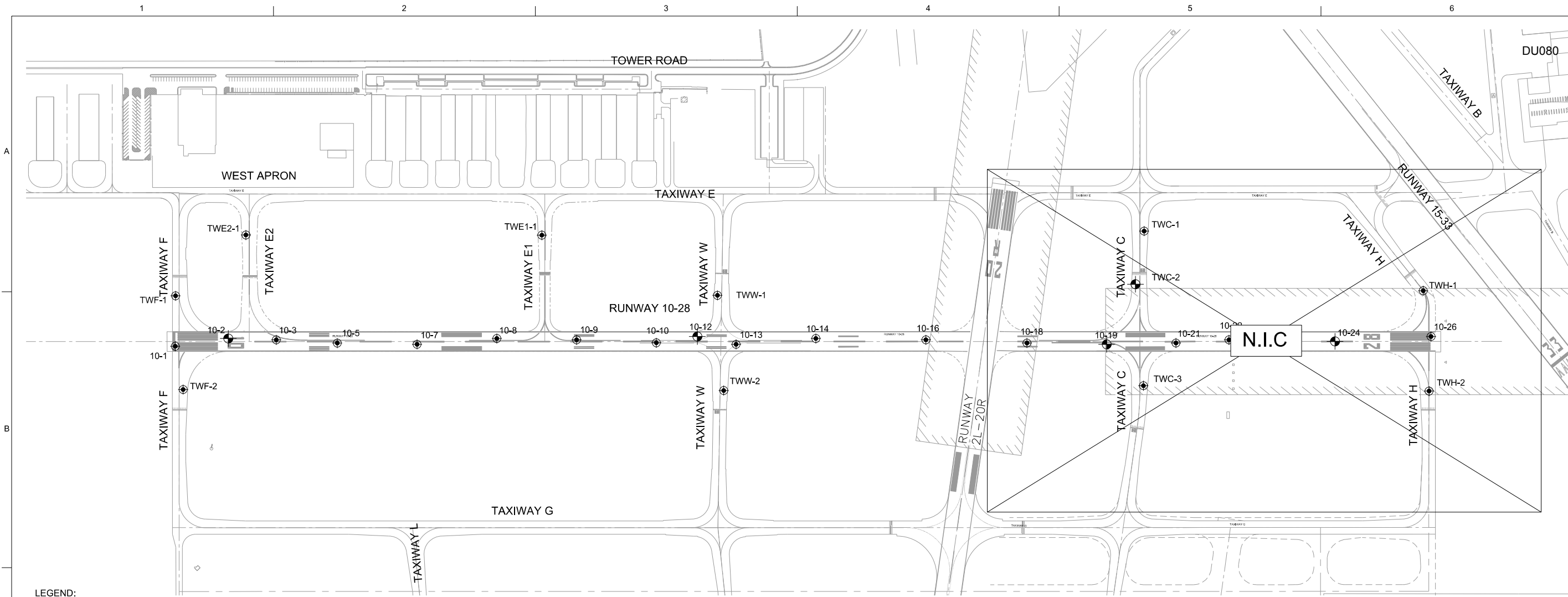
1. WORK IN THIS AREA INCLUDES PAVEMENT MILLING, ELECTRICAL, PAVING, PAVEMENT MARKING AND GROOVING
2. WORK WITHIN THIS AREA REQUIRES CONTINUOUS CLOSURE OF RUNWAY 10-28 AND COORDINATION OF CONNECTING TAXIWAY CLOSURES (SEE THIS SHEET FOR FURTHER DETAIL)
3. EITHER TAXIWAY F OR TAXIWAY W MUST BE OPEN DURING CONSTRUCTION WEST OF RUNWAY 2L-20R.
4. TAXIWAY W AND TAXIWAY C MAY NOT BE CLOSED SIMULTANEOUSLY.
5. ALL ACTIVE WORK AREAS TO BE BARRICADED.
6. BARRICADE LOCATIONS TO BE APPROVED BY THE CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.



8501 W. HIGGINS ROAD SUITE 300 CHICAGO, IL 60631	RUNWAY 10-28 AND ASSOCIATED TAXIWAY OVERLAY DUPAGE AIRPORT (DPA) DUPAGE COUNTY, ILLINOIS
NO. DATE DSGN 2012/08/21	REVISION CHK JA
APVD JJ	APVD MV

AS SHOWN
 VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 DATE 2012/02/03
 PROJ 424278
 DWG G-112
 SHEET 13 of 68

REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2MHILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL.
 © CH2MHILL 2011. ALL RIGHTS RESERVED.



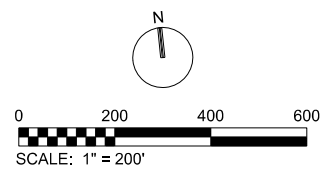
LEGEND:
 CORE LOCATION
 BORING LOCATION

PAVEMENT CORES SUMMARY

BORING/CORING LOCATIONS		
NO.	NORTHING	EASTING
10-1	1911051.61	1004630.69
10-2	1911059.80	1004832.24
10-3	1911036.08	1005011.14
10-5	1911000.20	1005238.09
10-7	1910964.15	1005536.03
10-8	1910954.86	1005836.70
10-9	1910918.71	1006134.55
10-10	1910876.60	1006431.79
10-12	1910883.90	1006587.58
10-13	1910839.46	1006729.54
10-14	1910830.17	1007030.20
10-16	1910782.30	1007441.38
10-18	1910730.75	1007818.17
10-19	1910694.60	1008116.09
10-21	1910672.53	1008375.53
10-22	1910663.72	1008575.30
10-23	1910649.95	1008755.24
10-24	1910616.58	1008971.29
10-26	1910597.13	1009332.48
TWC-1	1911103.75	1008300.26
TWC-2	1910908.21	1008247.15
TWC-3	1910525.48	1008237.18
TWYE1-1	1911323.99	1006045.43
TWYE2-1	1911440.33	1004938.55
TWF-1	1911240.25	1004651.52
TWF-2	1910886.48	1004643.29
TWH-1	1910771.54	1009321.08
TWH-2	1910393.82	1009303.71
TWW-1	1911030.11	1006678.87
TWW-2	1910671.48	1006665.08

Core No.	Asphalt Pavement					PCC Pavement	Asphalt Treated Base	Total Thickness (inch)	
	PFC	Surface	Binder	Surface	Binder				
10-1	1.5 ^d	--	5.5	2.25	3.00	12.25	5.50	17.75	
10-2	0.75 ^d	--	2.5 ^d	3.50	2.25 ^d	9.00	7.00 ^F	16.00	
10-3	0.75	--	3.50	3.75	2.50 ^d	10.50	5.50 ^F	16.00	
10-5	0.75	--	4.25 ^d	3.00	3.50 ^d	11.50	5.50 ^{SF}	17.00	
10-7	0.50	--	4.00 ^d	2.75	3.50 ^d	10.75	5.50 ^{SF}	16.25	
10-8	0.75 ^d	--	3.75 ^d	3.50	3.50 ^d	11.50	5.75 ^F	17.25	
10-9	0.75	--	3.50 ^d	3.00	2.00 ^d	9.25	6.00	15.25	
10-10	0.75	--	4.00 ^d	2.75	2.50	10.00	5.25 ^{SF}	15.25	
10-12	0.75	--	4.25	2.00 ^d	2.50 ^d	9.50	6.25	15.75	
10-13	0.75 ^d	--	4.5	2.50	3.00	10.75	6.75 ^F	17.50	
10-14	0.75 ^d	--	3.75 ^d	3.00	2.75	10.25	7.50 ^{SF}	17.75	
10-16	1.00	--	3.25	3.25	2.75 ^d	10.25	5.75	16.00	
10-18	0.50	--	4.00	3.50	2.75 ^d	10.75	6.50	17.25	
10-19	0.75	--	4.00 ^d	2.75	3.00	10.50	6.50 ^F	17.00	
10-21	0.75	--	3.75 ^d	2.50	2.50 ^d	9.50	6.50 ^{SF}	16.00	
10-22	0.75	--	2.50 ^d	4.00	2.25	9.50	6.00 ^F	15.50	
10-23	0.75	--	3.25 ^d	4.00	3.00	11.00	--	14.50	
10-24	0.75 ^d	--	3.00 ^d	3.25	6.00 ^F	13.00	--	13.00	
10-26	0.75	--	3.50 ^d	2.50	8.75	15.50	--	15.50	
TWC-1	--	2.00	3.50	--	--	5.50	4.00	9.50	
TWC-2	--	2.00	4.75	--	--	6.75	2.75	9.50	
TWC-3	--	--	--	--	--	0.00	10.00	12.00	
TWYE1-1	--	2.00 ^d	--	1.25	4.25 ^d	7.50	6.50 ^{SF}	14.00	
TWYE2-1	--	2.25	4.25	--	--	6.50	3.50	10.00	
TWF-1	--	--	--	--	--	0.00	8.25	8.25	
TWF-2	--	--	--	--	--	0.00	8.50	8.50	
TWH-1	--	2.5 ^d	10.25	--	--	12.75	--	12.75	
TWH-2	--	--	--	--	--	0.00	9.00 ^d	4.00	13.00
TWW-1	--	--	--	--	--	0.00	9.25	4.50	13.75
TWW-2	--	--	--	--	--	0.00	9.50	4.75	14.25

Notes: PFC - Porous Friction Course, d - Debonded, td - Top Disintegrated, F - Fractured, SF - Severely Fractured



8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

GEOTECHNICAL INVESTIGATION LOCATIONS PLAN & CORING TABLE

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE: 2012/02/03
PROJ: 424278
DWG: B-100
SHEET: 14 of 68

ISSUE FOR BID

2012/09/21

NO. DATE

DSGN

REVISION

CHK

HF

APVD

DR

DA

APVD

DCT

MV

DUPAGE AIRPORT AUTHORITY

©CH2M HILL 2011. ALL RIGHTS RESERVED.



SOIL IDENTIFICATION TERMINOLOGY

Soils are identified and classified in this report in accordance with ASTM D 2487 and ASTM D 2488 (Unified Soil Classification System) with the following modifiers:

RELATIVE DENSITY OF GRANULAR SOILS

DESCRIPTION	BLOWS PER FOOT
Very Loose	0 to 4
Loose	4 to 10
Medium Dense	10 to 30
Dense	30 to 50
Very Dense	50 to 80
Extremely Dense	80+

CONSISTENCY OF COHESIVE SOILS

DESCRIPTION	qu (tsf)
Very Soft	0 to 0.25
Soft	0.25 to 0.50
Medium	0.50 to 1.0
Stiff	1.0 to 2.0
Very Stiff	2.0 to 4.0
Hard	4.0 to 8.0
Very Hard	8.0+

PARTICLE SIZE

COMPONENT	SIZE
Boulders Over	8"
Cobbles	3" to 8"
Gravel - Coarse	3/4" to 3"
Gravel - Fine	* No. 4 to 3/4"
Sand - Coarse	* No. 10 to *No. 4
Sand - Medium	* No. 40 to *No. 10
Sand - Fine	* No. 200 to *No. 40
Fines - Silt and Clay Below	*No. 200

RELATIVE PROPORTIONS

DESCRIPTIVE TERM	PERCENT
Trace	0 to 5
Few	5 to 10
Little	15 to 25
Some	30 to 45
Mostly	50 to 100

STRATIFICATION

Parting	0 to 1/16"
Seam	1/16" to 1/2"
Layer	1/2" to 12"
Stratum	Greater than 12"
Varved Clay	Alternating seams or layers of sand, silt and clay
Pocket	Small, erratic deposits, usually less than 12"
Lens	Lenticular deposit, One or less per 12"
Occasional	More than one per 12"
Frequent	More than one per 12"

ABBREVIATIONS ON LOGS OF SUBSURFACE DATA

SS	Split spoon sampler, 2" OD, 1 3/8" ID
2T	Thinwall tube sampler, 2" OD, 1 7/8" ID
ST	Thinwall tube sampler, 3" OD, 2 7/8" ID
CA	Continuous flight auger, solid
HSA	Continuous flight auger, hollow stem
NX	Rock core, 2 1/8" diameter
NC	Rock core, 1 7/8" diameter
SPT	Standard Penetration Test (ASTM D 1586)
qu	Unconfined compressive strength (pocket penetrometer, Rimac, or load frame)
B	Sample failed by bulging in unconfined compression @ 15% strain
S	Sample failed by shearing in unconfined compression @ % strain noted
yd	Dry unit weight
w	Natural water content

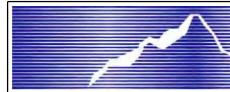
LEGEND

	WATER
	MUD
	TOPSOIL
	FILL
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	CRUSHED STONE
	LEAN CLAY
	SILTY CLAY / CLAYEY SILT
	SILT
	SAND
	GRAVEL
	SILTY SAND
	CLAYEY SAND
	SILTY GRAVEL
	CLAYEY GRAVEL
	DOLOMITE
	FAT CLAY
	ELASTIC SILT

WATER LEVEL DURING DRILLING
WATER LEVEL AT COMPLETION
WATER LEVEL HRS. AFTER COMPLETION

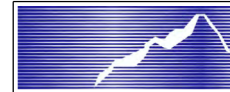
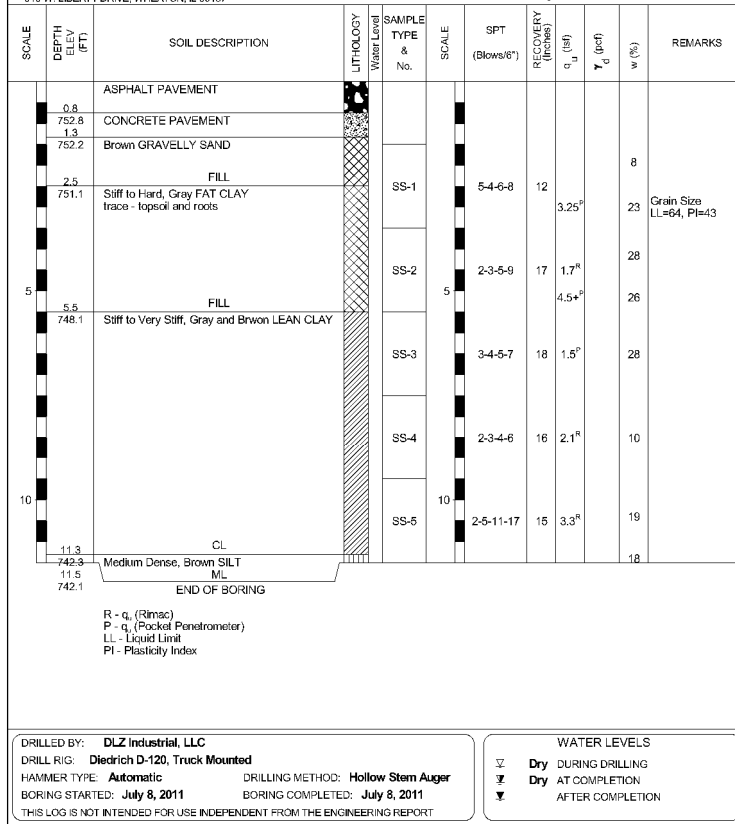
B-1 ← BORING NO.
18 ← WATER CONTENT (%)

N VALUE / qu (tsf) → 15/3.5



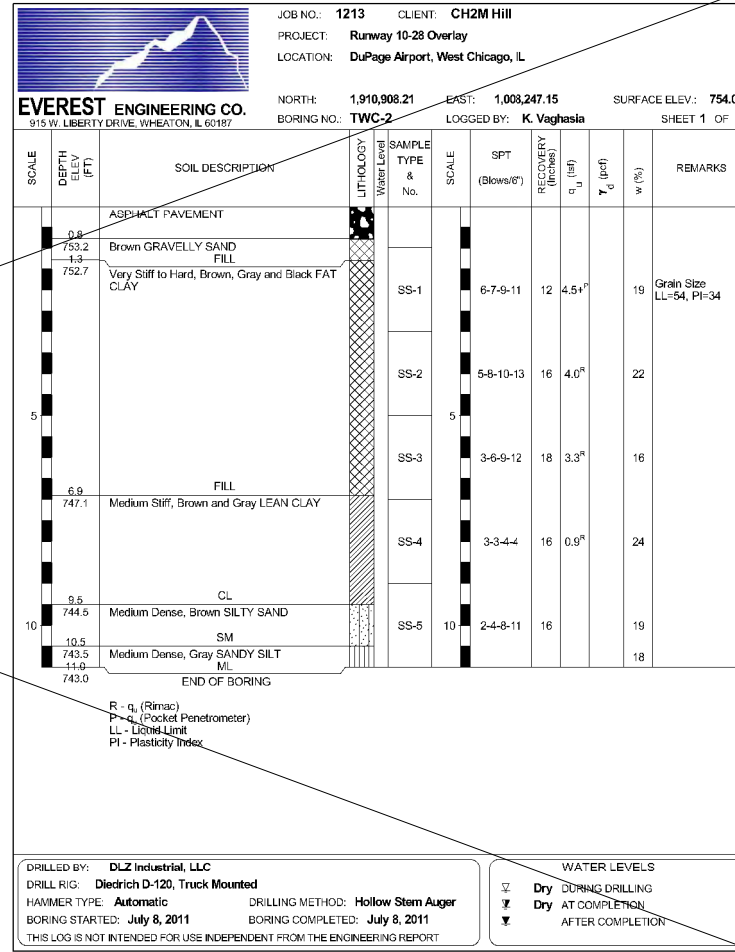
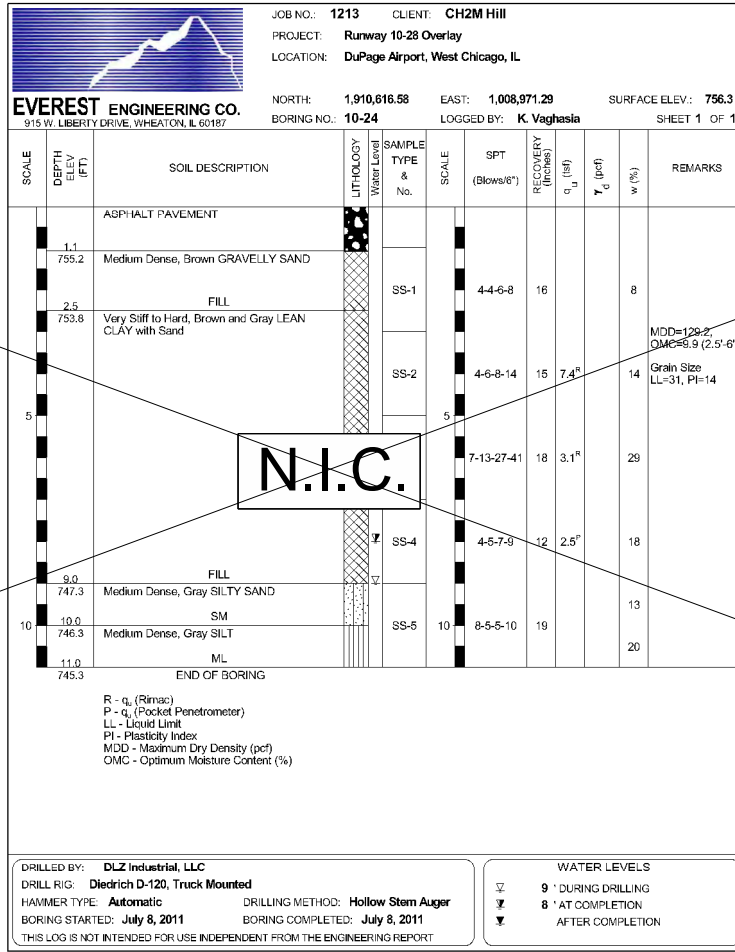
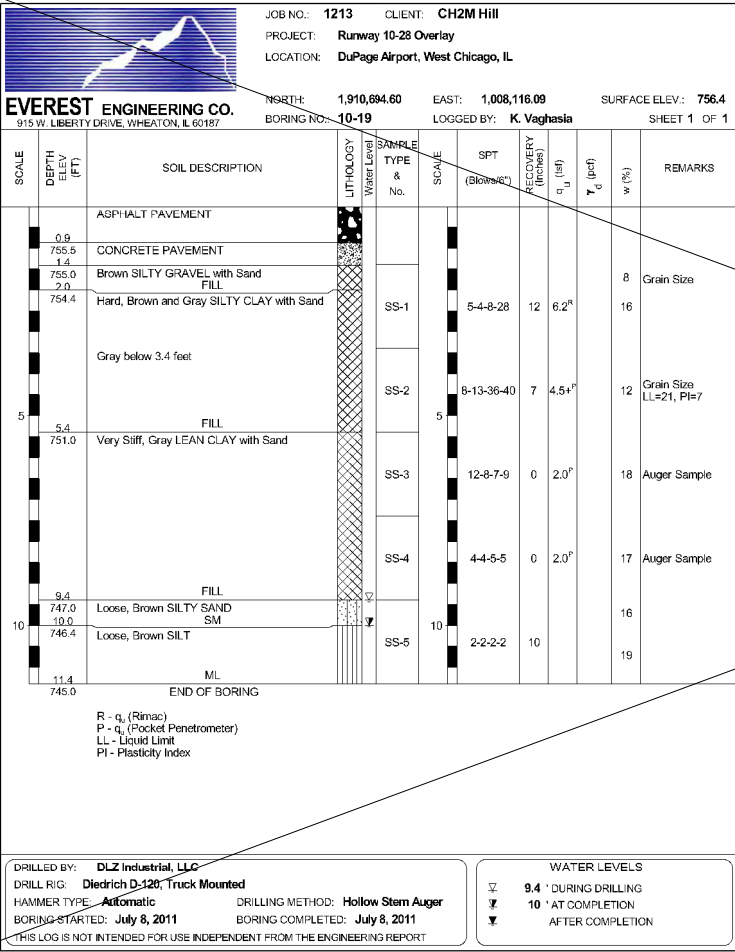
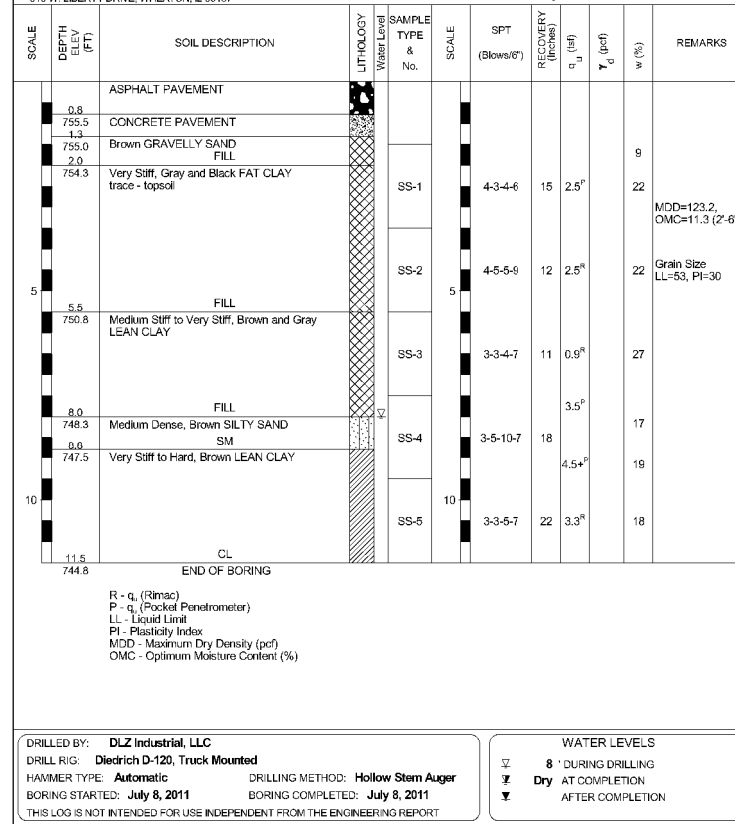
JOB NO.: 1213 CLIENT: CH2M Hill
PROJECT: Runway 10-28 Overlay
LOCATION: DuPage Airport, West Chicago, IL

NORTH: 1,911,059.80 EAST: 1,004,832.24 SURFACE ELEV.: 753.6
BORING NO.: 10-2 LOGGED BY: K. Vaghania SHEET 1 OF 1



JOB NO.: 1213 CLIENT: CH2M Hill
PROJECT: Runway 10-28 Overlay
LOCATION: DuPage Airport, West Chicago, IL

NORTH: 1,910,883.90 EAST: 1,005,587.58 SURFACE ELEV.: 756.3
BORING NO.: 10-12 LOGGED BY: K. Vaghania SHEET 1 OF 1

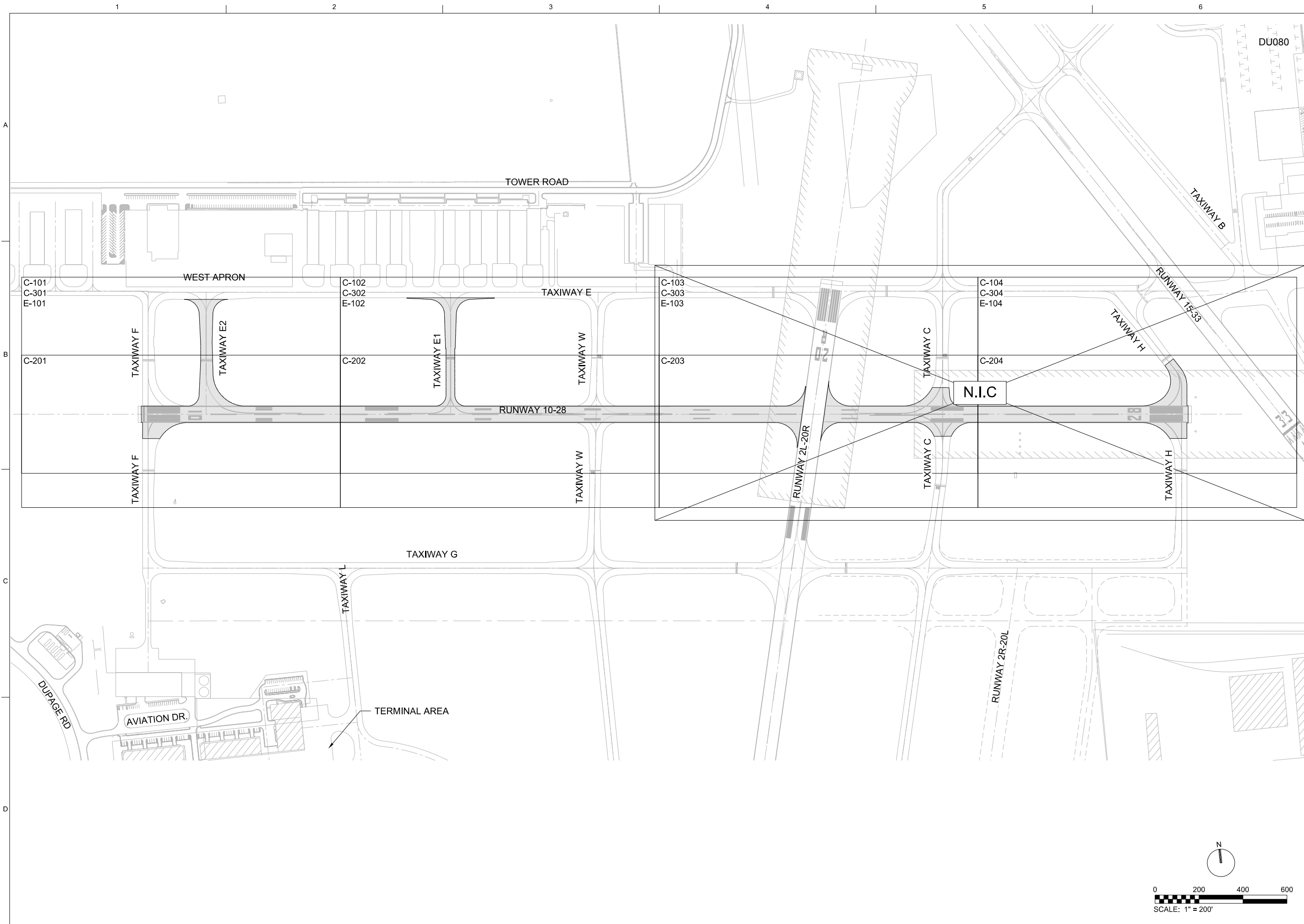


8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL
ELECTRICAL
BORING LEGEND
AND PROFILES

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE: 2012/02/03
PROJ: 424278
DWG: B-101
SHEET: 15 of 68



NO.	DATE	DR	CHK	BY	MV
2012/08/21		JA	HF	APVD	APVD
ISSUE FOR BID			REVISION		

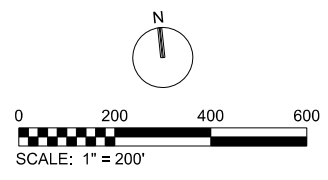
8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

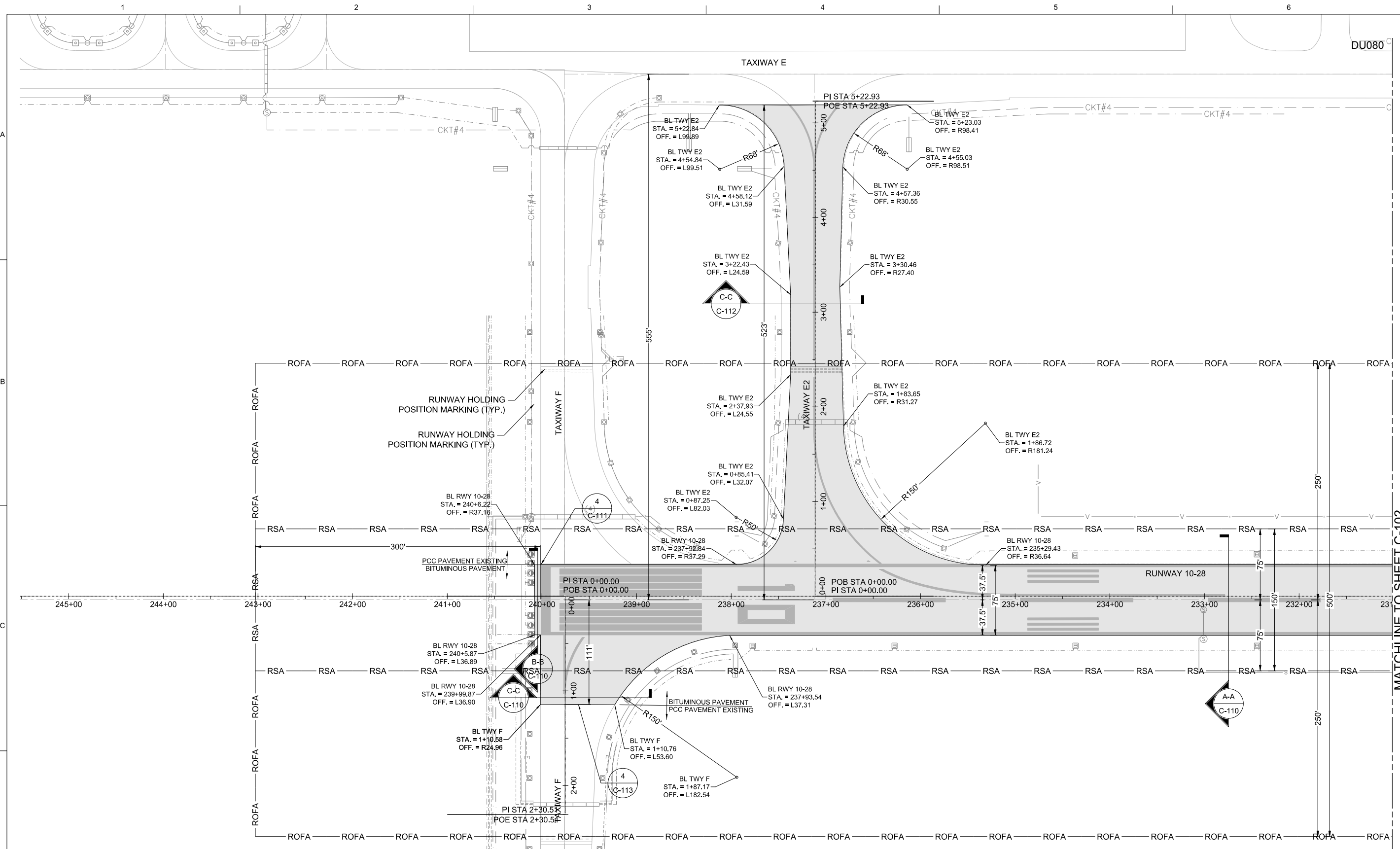
CH2MHILL
CIVIL

SHEET LAYOUT PLAN

AS SHOWN	DATE	2012/02/03
VERIFY SCALE	PROJ	424278
BAR IS ONE INCH ON ORIGINAL DRAWING.	DWG	C-100
0 200 400 600	SHEET	16 of 68



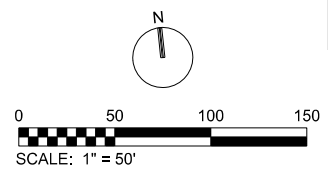
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2MHILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL. ©CH2MHILL 2011. ALL RIGHTS RESERVED.




LEGEND:
 [Hatched Box] MILL AND OVERLAY LIMITS
 [Dashed Line] RSA RUNWAY SAFETY AREA
 [Solid Line] ROFA RUNWAY OBJECT FREE AREA

NOTE TO CONTRACTOR:
 1. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES. UNDERGROUND UTILITIES SHOWN WERE FROM RECORD DRAWINGS AND WERE NOT VERIFIED OR CONFIRMED BY THE ENGINEER.

NOTE TO CONTRACTOR:
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING GEOMETRY PRIOR TO CONSTRUCTION ACTIVITIES. GEOMETRY DOES NOT REFLECT VARIATION ALONG PAVEMENT EDGE. CONTRACTOR TO MILL AND OVERLAY TO MEET EXISTING PAVEMENT EDGE AS SHOWN.



MATCHLINE TO SHEET C-102



8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

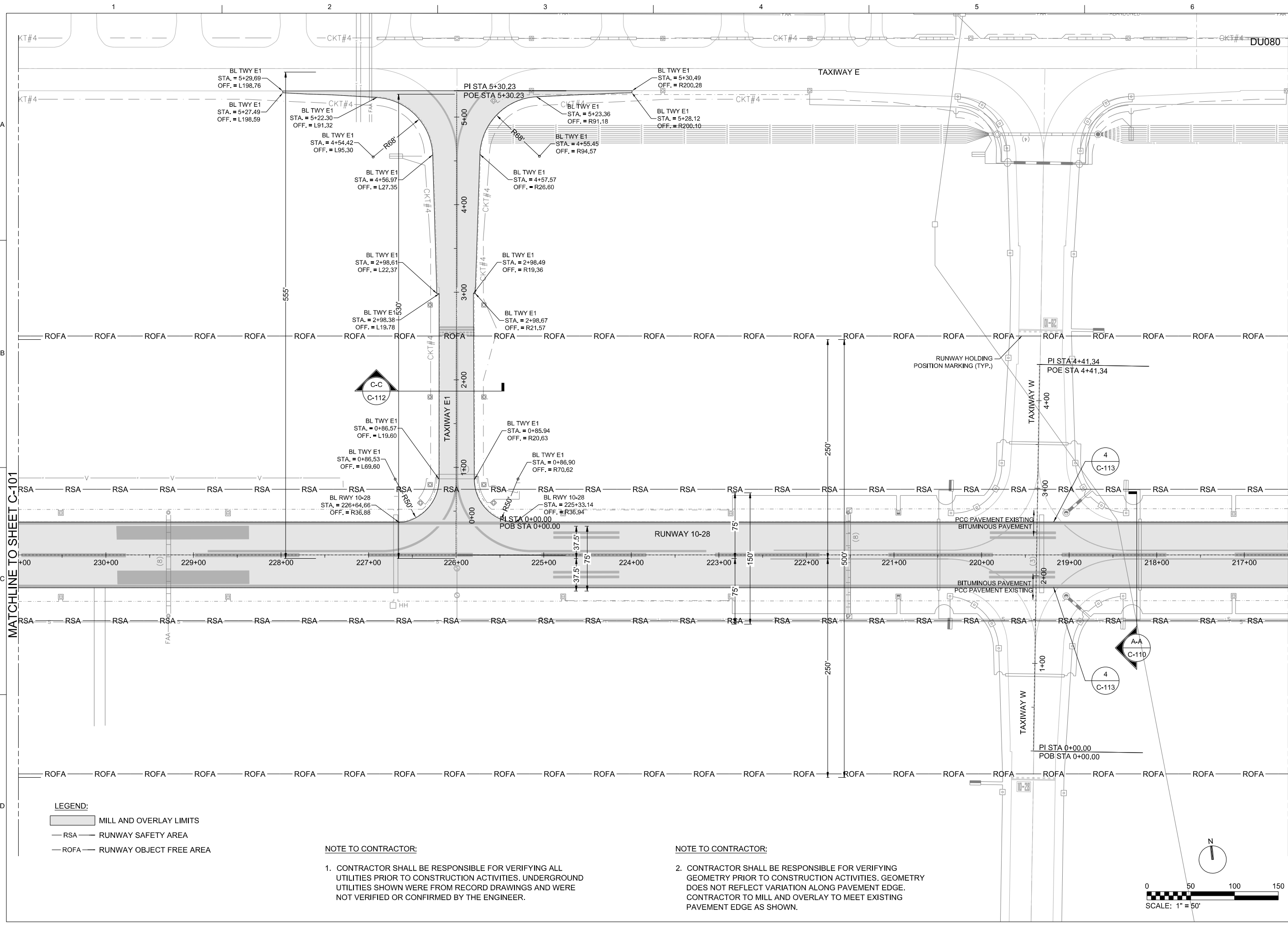
CIVIL
 PAVING AND
 GEOMETRY PLAN I

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

AS SHOWN
 VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 DATE 2012/02/03
 PROJ 424278
 DWG C-101
 SHEET 17 of 68

NO.	DATE	DGSN	CHK	DR	JRT	APVD	MV
2012/09/21							
ISSUE FOR BID REVISION							
				BY APVD			

© CH2M HILL 2011. ALL RIGHTS RESERVED.
 THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.



MATCHLINE TO SHEET C-101

MATCHLINE TO SHEET C-103

- LEGEND:**
- MILL AND OVERLAY LIMITS
 - RSA — RUNWAY SAFETY AREA
 - ROFA — RUNWAY OBJECT FREE AREA

NOTE TO CONTRACTOR:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES. UNDERGROUND UTILITIES SHOWN WERE FROM RECORD DRAWINGS AND WERE NOT VERIFIED OR CONFIRMED BY THE ENGINEER.

NOTE TO CONTRACTOR:

2. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING GEOMETRY PRIOR TO CONSTRUCTION ACTIVITIES. GEOMETRY DOES NOT REFLECT VARIATION ALONG PAVEMENT EDGE. CONTRACTOR TO MILL AND OVERLAY TO MEET EXISTING PAVEMENT EDGE AS SHOWN.



NO.	DATE	DSGN	CHK	HF	DR	JRT	APVD	BY	APVD	MV
2012/09/21										

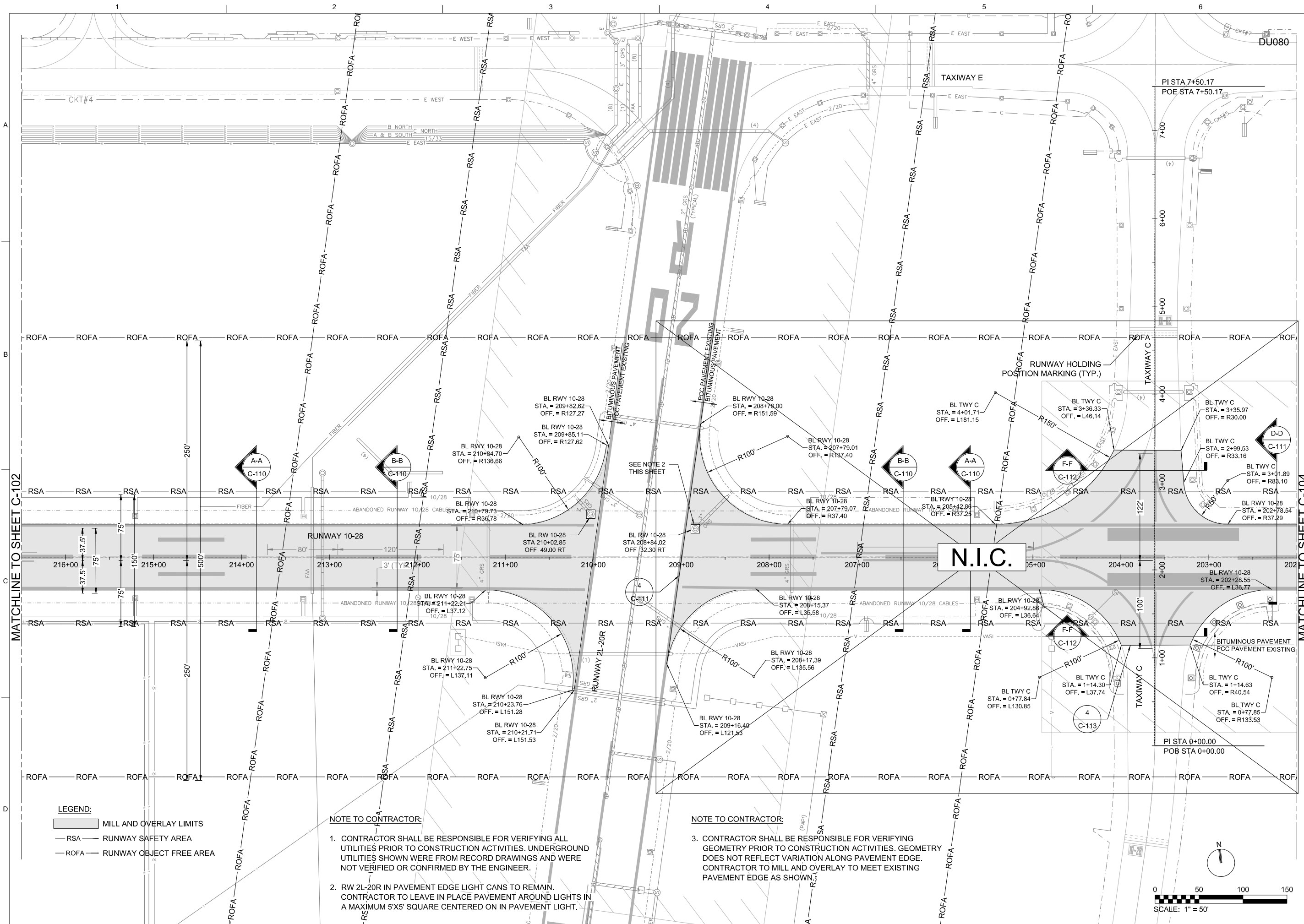
8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL

CIVIL
PAVING AND
GEOMETRY PLAN II

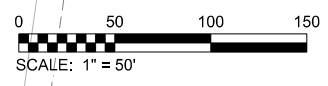
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-102
SHEET 18 of 68



LEGEND:
 [Shaded Area] MILL AND OVERLAY LIMITS
 — RSA — RUNWAY SAFETY AREA
 — ROFA — RUNWAY OBJECT FREE AREA

NOTE TO CONTRACTOR:
 1. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES. UNDERGROUND UTILITIES SHOWN WERE FROM RECORD DRAWINGS AND WERE NOT VERIFIED OR CONFIRMED BY THE ENGINEER.
 2. RW 2L-20R IN PAVEMENT EDGE LIGHT CANS TO REMAIN. CONTRACTOR TO LEAVE IN PLACE PAVEMENT AROUND LIGHTS IN A MAXIMUM 5'X5' SQUARE CENTERED ON IN PAVEMENT LIGHT.

NOTE TO CONTRACTOR:
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING GEOMETRY PRIOR TO CONSTRUCTION ACTIVITIES. GEOMETRY DOES NOT REFLECT VARIATION ALONG PAVEMENT EDGE. CONTRACTOR TO MILL AND OVERLAY TO MEET EXISTING PAVEMENT EDGE AS SHOWN.



NO.	DATE	DSGN	CHK	HF	DR	JRT	APVD	DC	APVD	MV
2012/09/21										

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

AS SHOWN	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2012/02/03
PROJ	424278
DWG	C-103
SHEET	19 of 68

CH2MHILL®
 CIVIL
 PAVING AND GEOMETRY PLAN III
 ©CH2M HILL 2011. ALL RIGHTS RESERVED.
 REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.

(A-A) TYPICAL SECTION - RUNWAY - APPROX MILL DEPTHS							
OFFSET FROM CL (FEET)	37.5' LT	17.5' LT	17.5' - LT	CL	17.5' - RT	17.5' + RT	37.5' RT
MILLING DEPTH (INCH)	2"	1-1/4"	2-1/4"	1-1/4"	2-1/4"	1-1/4"	2"

DU080



© CH2M HILL 2011. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	JRT	DR	HF	CHK	REVISION	ISSUE FOR BID	BY	APVD	MV
2012/09/21											

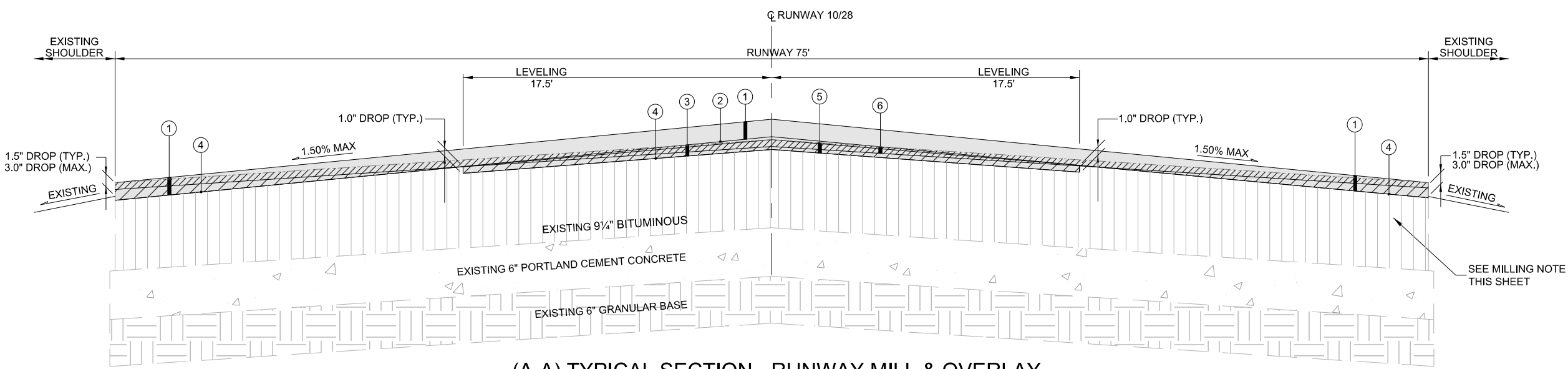
8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL
CIVIL

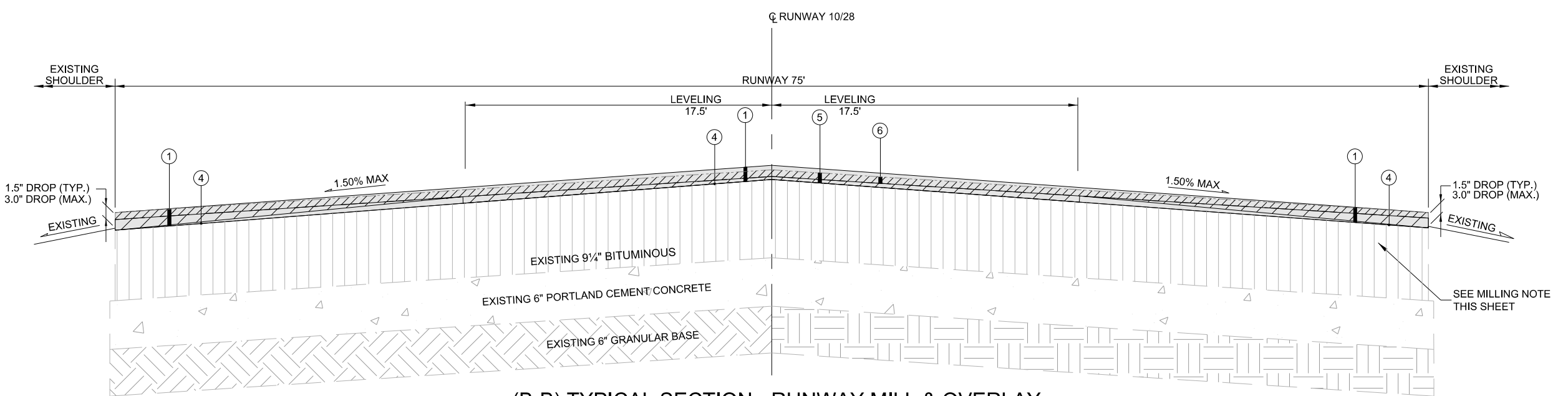
TYPICAL SECTIONS I

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-110
SHEET 20 of 68



(A-A) TYPICAL SECTION - RUNWAY MILL & OVERLAY

STA 203+00 TO STA 206+20
STA 212+80 TO STA 240+00
NOT TO SCALE



(B-B) TYPICAL SECTION - RUNWAY MILL & OVERLAY

STA 206+20 TO STA 209+00
STA 210+00 TO STA 212+80
STA 240+00 TO STA 240+06
NOT TO SCALE

LEGEND:

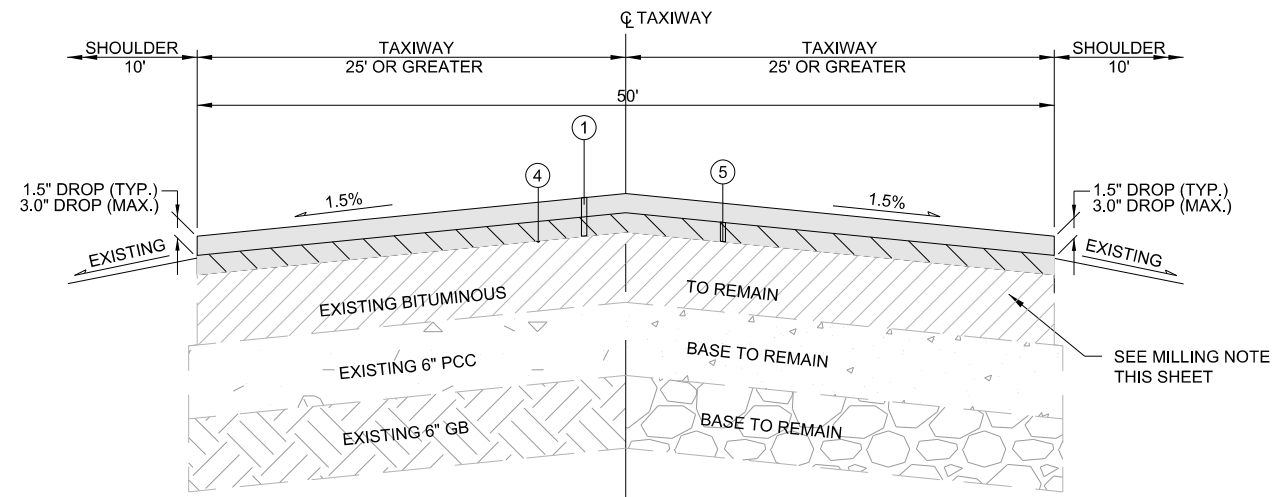
- ① 2" MINIMUM BITUMINOUS SURFACE COURSE (P-401)
- ② BITUMINOUS TACK COAT (P-603) BETWEEN LIFTS
- ③ 1" MINIMUM BITUMINOUS LEVELING COURSE (P-401)
- ④ BITUMINOUS TACK COAT (P-603) ON MILLED SURFACE
- ⑤ PAVEMENT MILLING (P-150)
- ⑥ EXISTING 3/4" POROUS FRICTION COURSE TO BE REMOVED

NOTE:
MILLING DEPTH IS VARIABLE, TYPICALLY BETWEEN 1 1/4" AT CENTERLINE TO 2" AT PAVEMENT EDGE. SEE CROSS SECTIONS FOR MILLING DEPTH. MINIMUM OF 1/8" MILLING FOR SURFACE TEXTURING PRIOR TO OVERLAY.

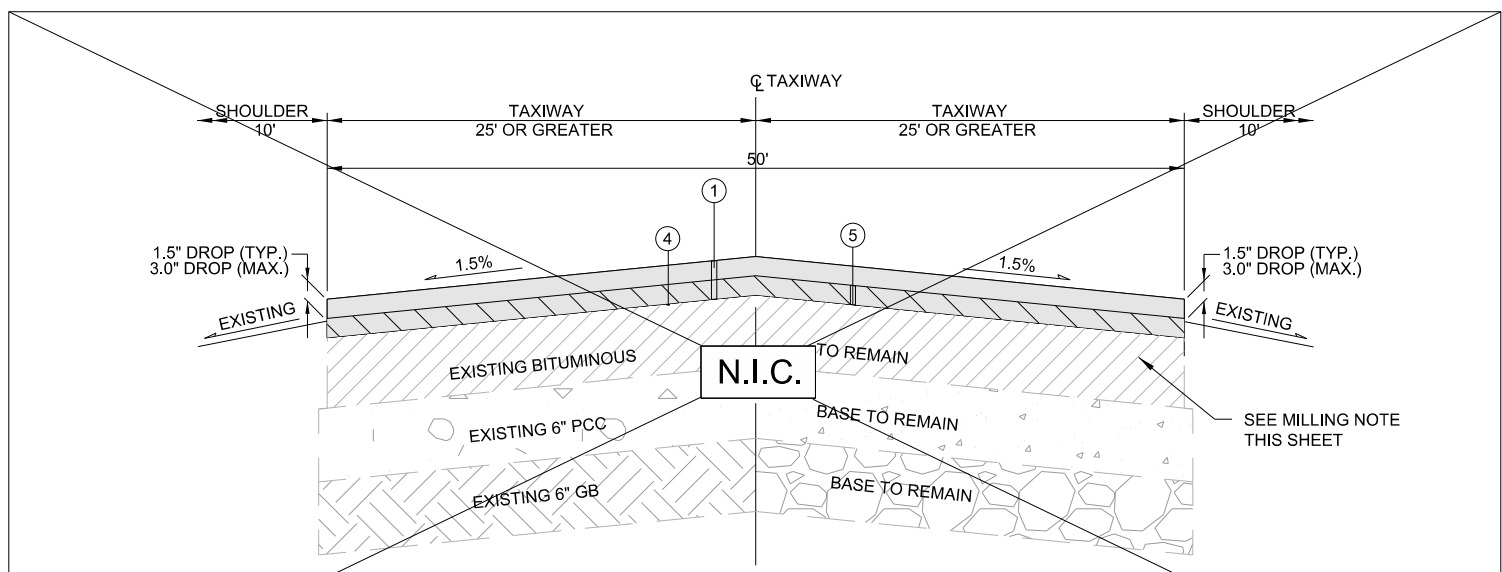
CONTRACTOR MUST SURVEY THE RUNWAY AFTER MILLING IS COMPLETE, EACH LIFT OF LEVELING COURSE, AND EACH LIFT OF SURFACE COURSE FOR QUANTITY TAKE OFF AND QUALITY CONTROL.

LEGEND:

- EXISTING 3/4" POROUS FRICTION COURSE TO BE REMOVED
- ADDITIONAL MILLING BEYOND EXISTING 3/4" POROUS FRICTION COURSE TO BE REMOVED
- TOTAL PAVEMENT MILLING (P-150)



(C-C) TYPICAL SECTION - TAXIWAY CONNECTOR F, E1, E2 - MILL & OVERLAY
NOT TO SCALE



(F-F) TYPICAL SECTION - TAXIWAY CONNECTOR C, H - MILL & OVERLAY
NOT TO SCALE

LEGEND:

- ① 2" BITUMINOUS SURFACE COURSE (P-401)
- ② BITUMINOUS TACK COAT (P-603) BETWEEN LIFTS
- ③ 1" MINIMUM BITUMINOUS LEVELING COURSE (P-401)
- ④ BITUMINOUS TACK COAT (P-603) ON MILLED SURFACE
- ⑤ PAVEMENT MILLING (P-150)
- ⑥ EXISTING ¾" POROUS FRICTION COURSE TO BE REMOVED

NOTE:
MILLING DEPTH IS VARIABLE, TYPICALLY BETWEEN 1¼" AT CENTERLINE TO 2" AT PAVEMENT EDGE. SEE CROSS SECTIONS FOR MILLING DEPTH. MINIMUM OF ½" MILLING FOR SURFACE TEXTURING PRIOR TO OVERLAY.

CONTRACTOR MUST SURVEY THE RUNWAY AFTER MILLING IS COMPLETE, EACH LIFT OF LEVELING COURSE, AND EACH LIFT OF SURFACE COURSE FOR QUANTITY TAKE OFF AND QUALITY CONTROL.

LEGEND:

- 2" BITUMINOUS SURFACE COURSE AFTER MILLING
- TOTAL PAVEMENT MILLING (P-150)

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL
CIVIL

TYPICAL SECTIONS III

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-112
SHEET 21 of 68

NO.	DATE	DSGN	DR	CHK	REV	BY	APVD	MV
2012/09/21								
ISSUE FOR BID					REVISION			

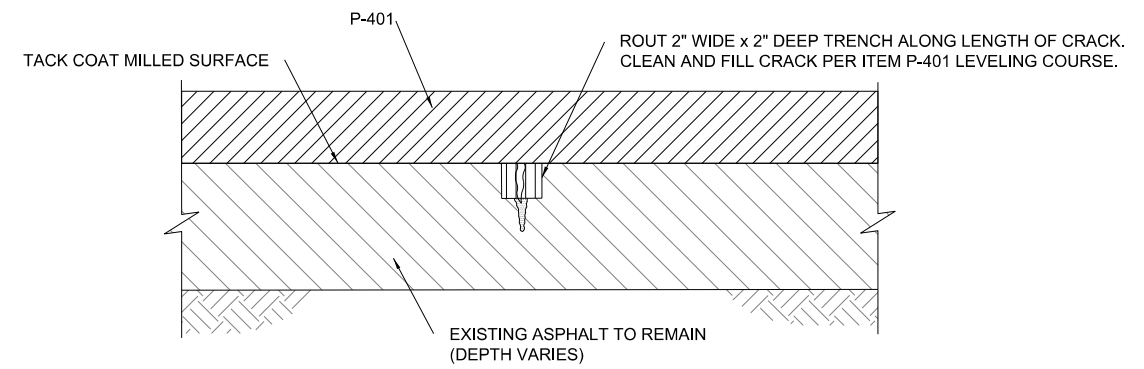
8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

CH2MHILL[®]
CIVIL

TYPICAL SECTIONS IV

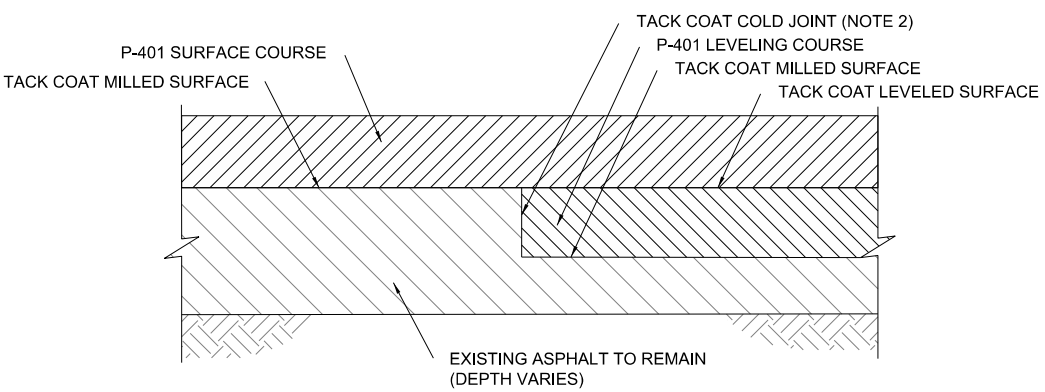
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-113
SHEET 22 of 68



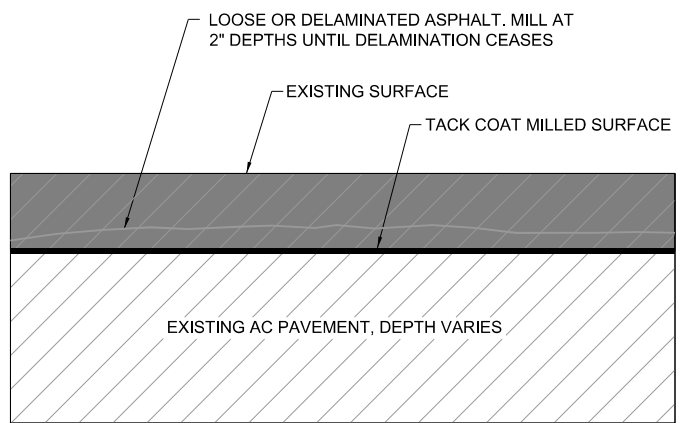
NOTE:
CRACKS SHALL BE FIELD LOCATED BY THE ENGINEER.

1 CRACK REPAIR - CRACKS GREATER THAN 1/2" WIDE BUT LESS THAN 1" WIDE AFTER MILL
NTS



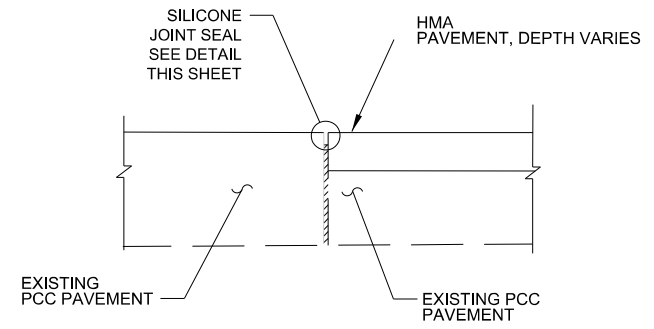
NOTES:
1. CRACKS SHALL BE FIELD LOCATED BY THE ENGINEER.
2. VERTICAL FACE OF MILLED SURFACE IS TO BE CLEANED PROPERLY FOR GOOD TACK COAT BOND. LEVELING COURSE SHOULD BE COMPACTED ADEQUATELY ALONG THE MILLED EDGE. PAVING CONSTRUCTION JOINT FOR THE SURFACE COURSE SHOULD BE OFFSET.

2 COLD JOINT - LEVELING COURSE TO EXISTING PAVEMENT
NTS

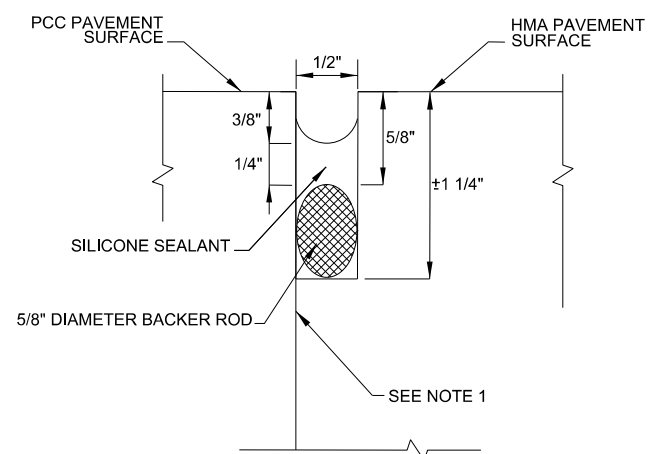


NOTES:
1. PATCHING WILL BE FIELD LOACATED BY THE ENGINEER.
2. THE MINIMUM PATCHING WIDTH WILL BE 10 FEET.

3 PATCHING TYPICAL SECTION
NTS

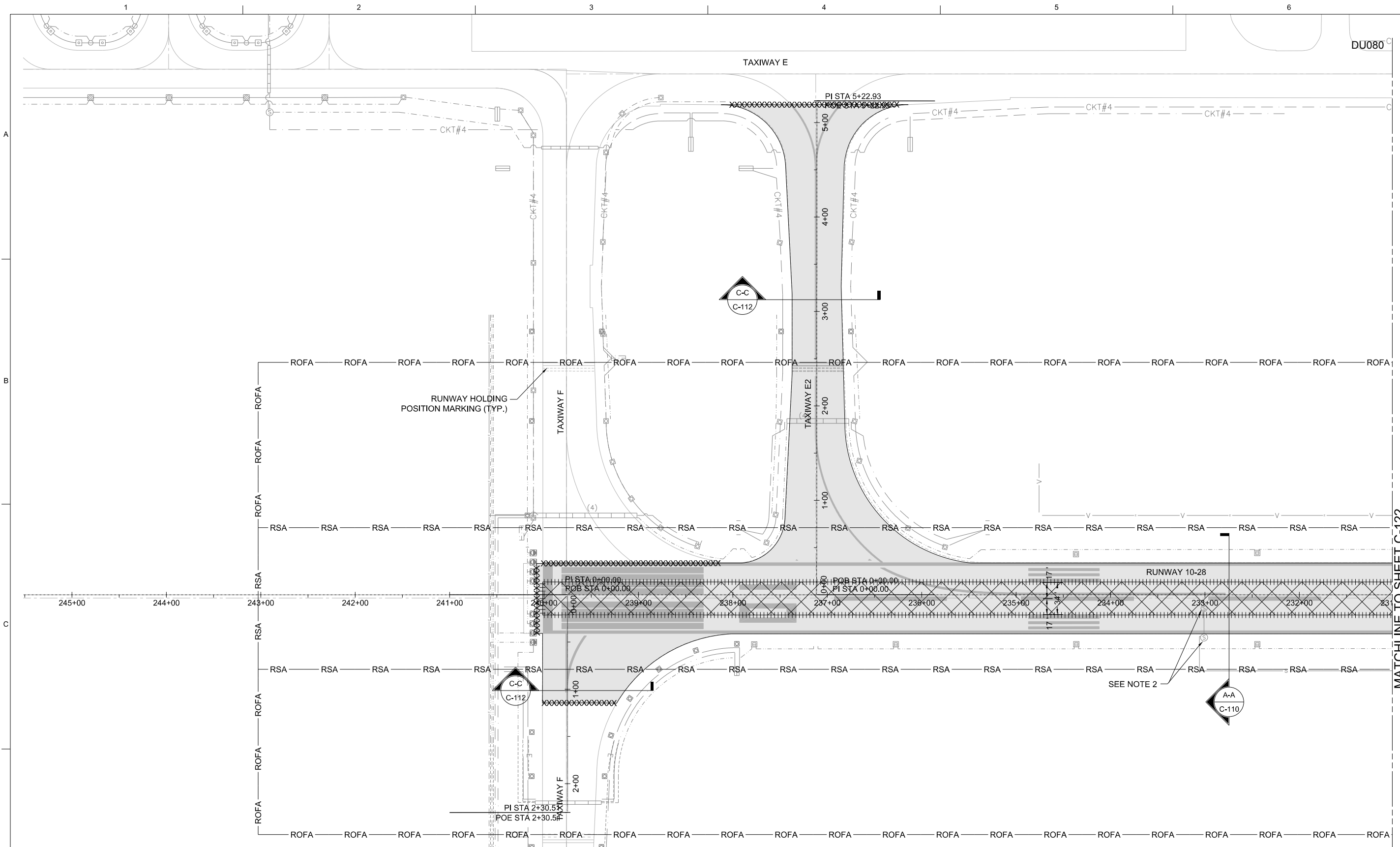


4 PCC/HMA JOINT
NTS



NOTES:
1. FOR PLACEMENT OF HMA PAVEMENT AGAINST EXISTING PCC, PROVIDE BITUMINOUS TACK COAT ALONG THE EXPOSED PCC FACE PRIOR TO PLACING HMA.
2. COST FOR PCC/HMA JOINT SHALL BE CONSIDERED INCIDENTAL TO ITEM 401.

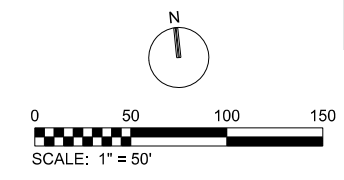
5 SILICONE JOINT SEAL
NTS



LEGEND:

	MILLING UNDER SURFACE COURSE
	MILLING UNDER LEVELING COURSE
	RSA RUNWAY SAFETY AREA
	ROFA RUNWAY OBJECT FREE AREA
	1-INCH MILLED EDGE AT LEVELING
	2-INCH MILLED EDGE AT SURFACE

- NOTES TO CONTRACTOR:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES. UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM RECORD DRAWINGS AND WERE NOT VERIFIED OR CONFIRMED BY THE ENGINEER.
 - PRIOR TO START OF PAVEMENT MILLING, DISCONNECT AND REMOVE EXISTING PAVEMENT SENSOR AND ASSOCIATED CABLE WITHIN THE RUNWAY PAVEMENT. DISCONNECT EXISTING TYPE IIA CABLE FROM TYPE V CONTROL CABLE IN THE EXISTING JUNCTION BOX. PROTECT TYPE V CABLE AND JUNCTION BOX FROM DAMAGE.
 - SPLICE TYPE V CABLE TO TYPE IIA CABLE IN EXISTING JUNCTION BOX. ENCAPSULATE CONNECTION USING A CAST SPLICE PER THE MANUFACTURER'S RECOMMENDATIONS.



MATCHLINE TO SHEET C-122

CH2MHILL[®]

CIVIL
SITE DEMOLITION PLAN I

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

DATE	2012/02/03	NO. DSGN	2012/08/21	ISSUE FOR BID	BY	APVD	MV
PROJ	424278	NO. REVISION		REVISION		APVD	
DWG	C-121	CHK		CHK		APVD	
SHEET	23 of 68	JRT		JRT		DCT	

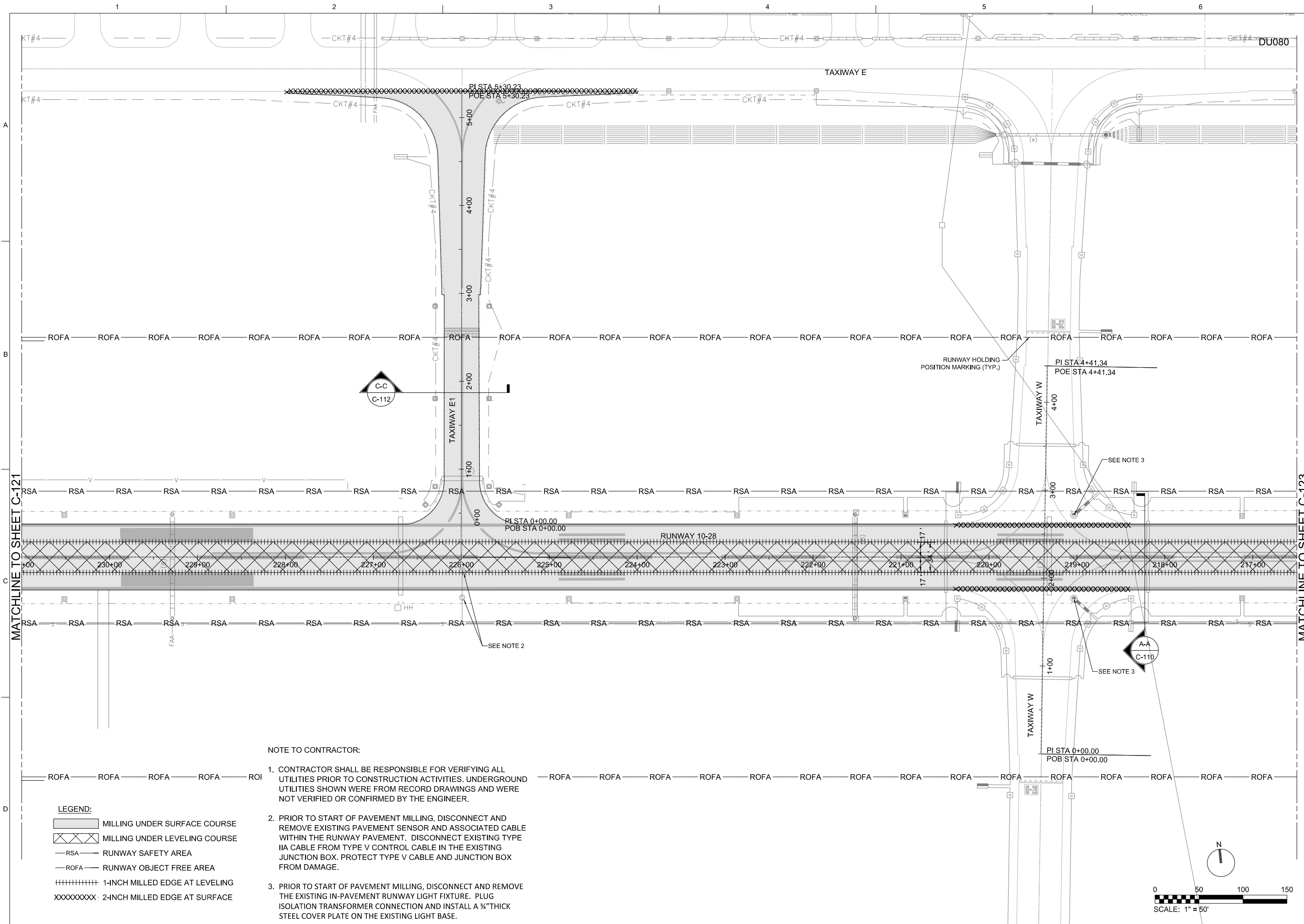
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE: 2012/02/03
PROJ: 424278
DWG: C-121
SHEET: 23 of 68

FILENAME: DPA_424278.01-C-121-DEMO.dgn PLOT DATE: \$PLOTDATE PLOT TIME: \$PLOTTIME



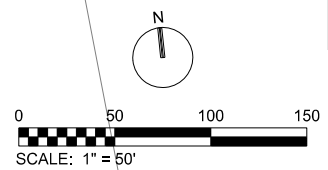
©CH2M HILL 2011. ALL RIGHTS RESERVED.

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.



- NOTE TO CONTRACTOR:
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES. UNDERGROUND UTILITIES SHOWN WERE FROM RECORD DRAWINGS AND WERE NOT VERIFIED OR CONFIRMED BY THE ENGINEER.
 - PRIOR TO START OF PAVEMENT MILLING, DISCONNECT AND REMOVE EXISTING PAVEMENT SENSOR AND ASSOCIATED CABLE WITHIN THE RUNWAY PAVEMENT. DISCONNECT EXISTING TYPE IIA CABLE FROM TYPE V CONTROL CABLE IN THE EXISTING JUNCTION BOX. PROTECT TYPE V CABLE AND JUNCTION BOX FROM DAMAGE.
 - PRIOR TO START OF PAVEMENT MILLING, DISCONNECT AND REMOVE THE EXISTING IN-PAVEMENT RUNWAY LIGHT FIXTURE. PLUG ISOLATION TRANSFORMER CONNECTION AND INSTALL A 3/4" THICK STEEL COVER PLATE ON THE EXISTING LIGHT BASE.

- LEGEND:
- MILLING UNDER SURFACE COURSE
 - MILLING UNDER LEVELING COURSE
 - RSA RUNWAY SAFETY AREA
 - ROFA RUNWAY OBJECT FREE AREA
 - 1-INCH MILLED EDGE AT LEVELING
 - 2-INCH MILLED EDGE AT SURFACE



NO.	DATE	BY	APVD	MV
2012/09/21				
DSGN	CHK	DR	APVD	DCT

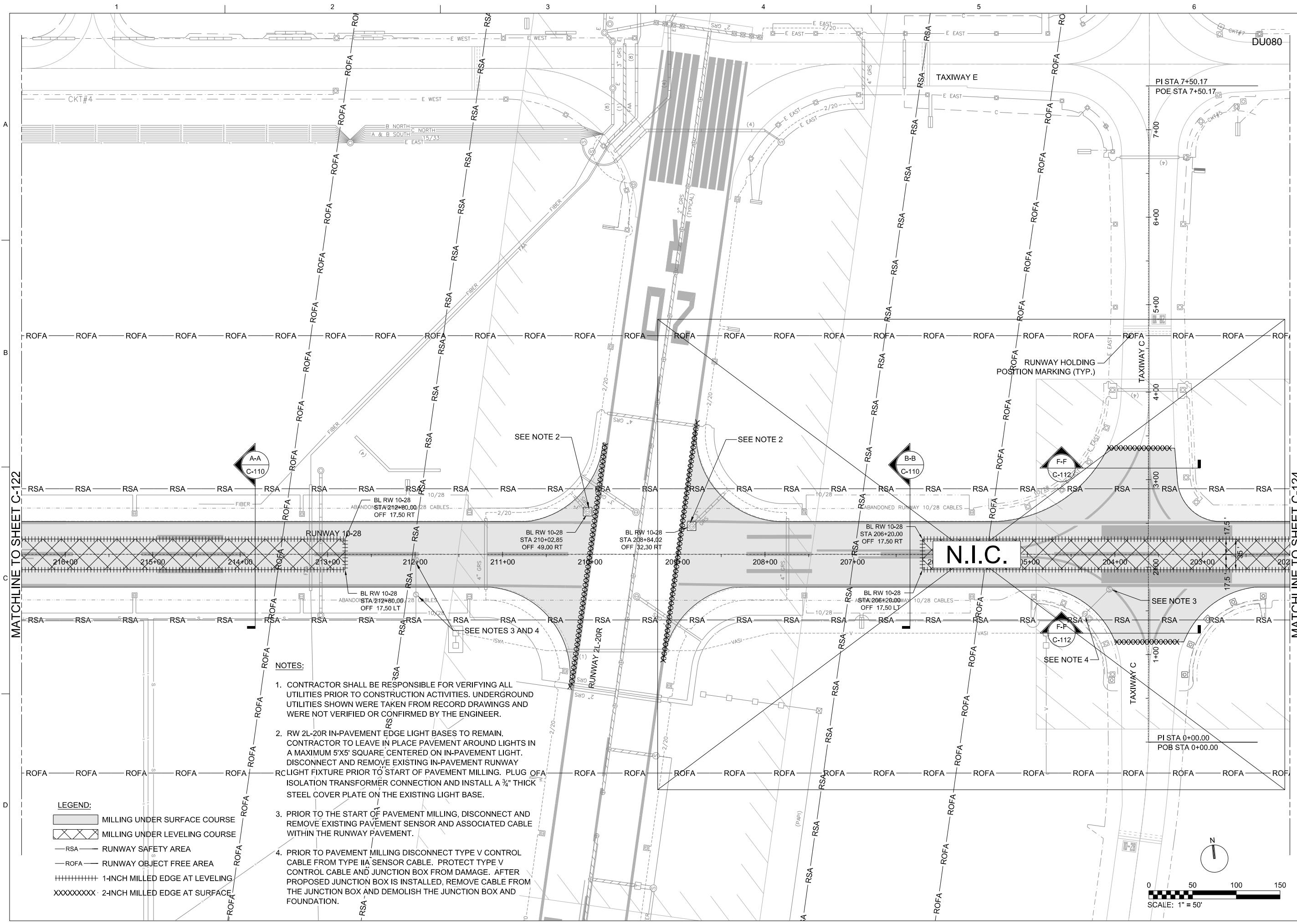
8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

CH2MHILL
 CIVIL
 SITE DEMOLITION
 PLAN II

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-122
SHEET 24 of 68

©CH2M HILL 2011. ALL RIGHTS RESERVED.
 THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.

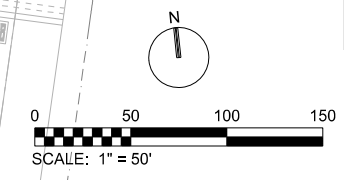


MATCHLINE TO SHEET C-122

MATCHLINE TO SHEET C-124

- LEGEND:**
- MILLING UNDER SURFACE COURSE
 - MILLING UNDER LEVELING COURSE
 - RUNWAY SAFETY AREA
 - RUNWAY OBJECT FREE AREA
 - 1-INCH MILLED EDGE AT LEVELING
 - 2-INCH MILLED EDGE AT SURFACE

- NOTES:**
1. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES. UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM RECORD DRAWINGS AND WERE NOT VERIFIED OR CONFIRMED BY THE ENGINEER.
 2. RW 2L-20R IN-PAVEMENT EDGE LIGHT BASES TO REMAIN. CONTRACTOR TO LEAVE IN PLACE PAVEMENT AROUND LIGHTS IN A MAXIMUM 5'X5' SQUARE CENTERED ON IN-PAVEMENT LIGHT. DISCONNECT AND REMOVE EXISTING IN-PAVEMENT RUNWAY ISOLATION TRANSFORMER CONNECTION AND INSTALL A 3/4" THICK STEEL COVER PLATE ON THE EXISTING LIGHT BASE.
 3. PRIOR TO THE START OF PAVEMENT MILLING, DISCONNECT AND REMOVE EXISTING PAVEMENT SENSOR AND ASSOCIATED CABLE WITHIN THE RUNWAY PAVEMENT.
 4. PRIOR TO PAVEMENT MILLING DISCONNECT TYPE V CONTROL CABLE FROM TYPE IIA SENSOR CABLE. PROTECT TYPE V CONTROL CABLE AND JUNCTION BOX FROM DAMAGE. AFTER PROPOSED JUNCTION BOX IS INSTALLED, REMOVE CABLE FROM THE JUNCTION BOX AND DEMOLISH THE JUNCTION BOX AND FOUNDATION.



2012/09/21	NO.	DATE	DGSN	JRT	DR	APVD
ISSUE FOR BID	REVISION	CHK	HF	DCT	APVD	MV

CH2MHILL[®]

CIVIL

SITE DEMOLITION PLAN III

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

AS SHOWN	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2012/02/03
PROJ	424278
DWG	C-123
SHEET	25 of 68

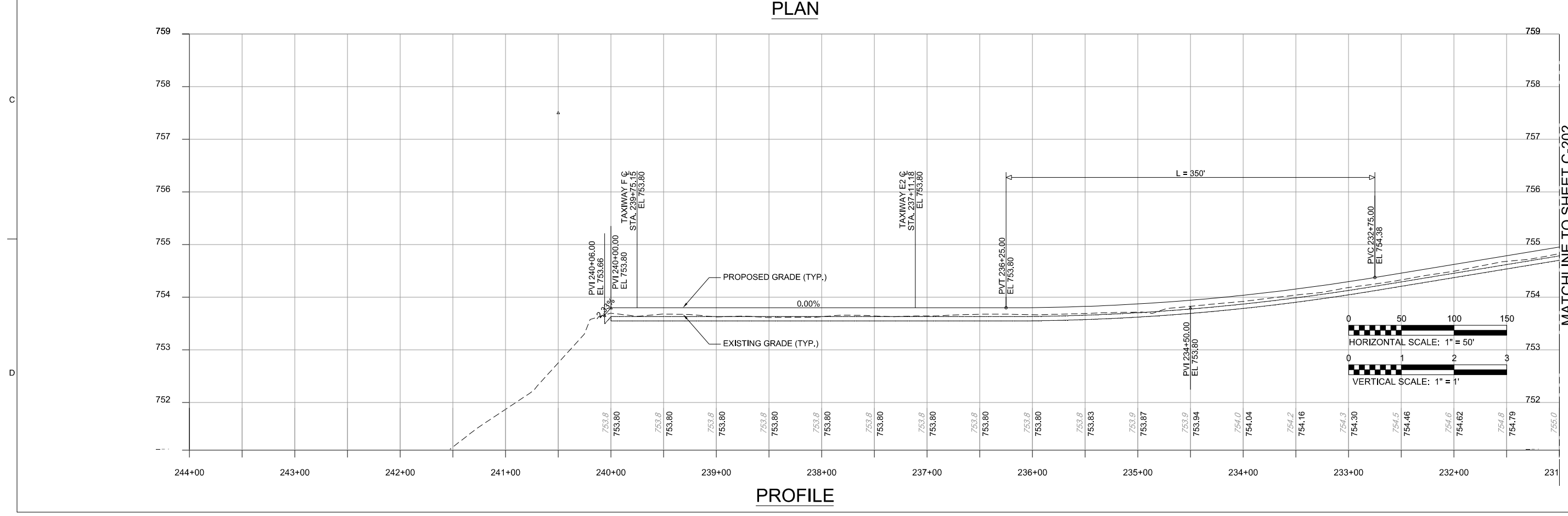
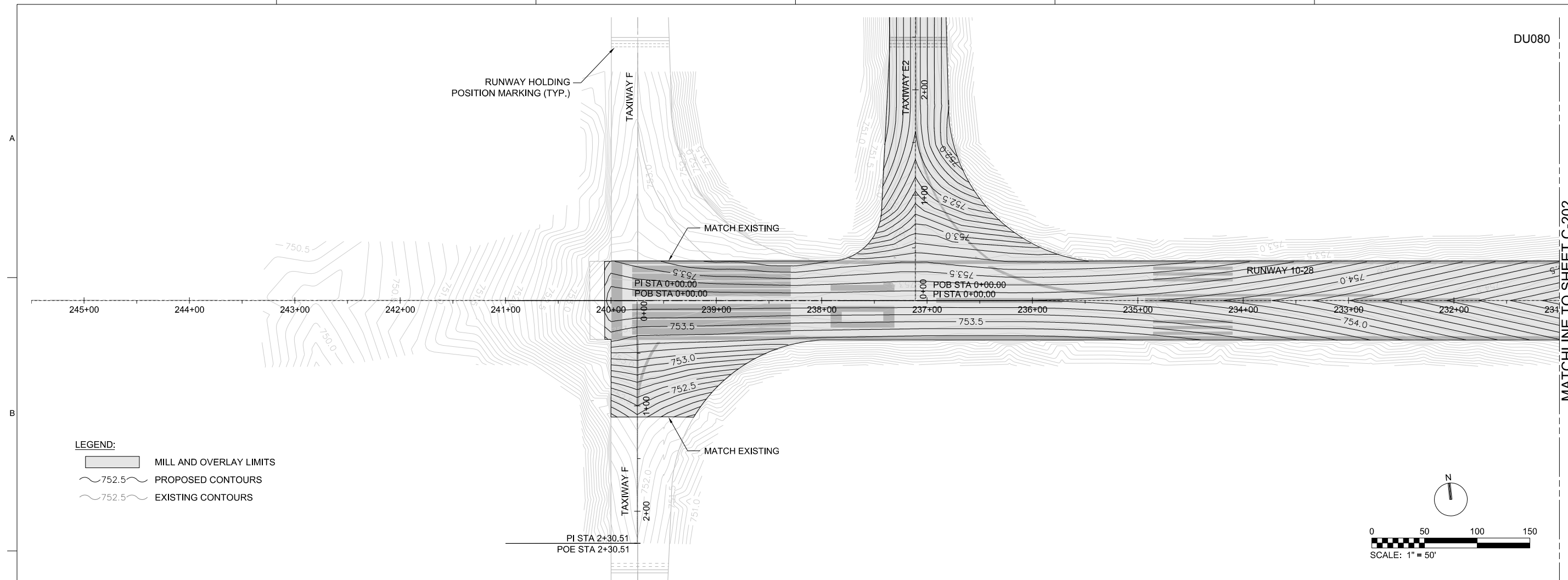
FILENAME: DPA_424278.01-C-123-DEMO.dgn PLOT DATE: \$PLOTDATE PLOT TIME: \$PLOTTIME

REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2MHILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL. ©CH2MHILL 2011. ALL RIGHTS RESERVED.

DU080



© CH2M HILL 2011. ALL RIGHTS RESERVED.



MATCHLINE TO SHEET C-202

MATCHLINE TO SHEET C-202

NO.	DATE	BY	APVD	MV
2012/09/21				
NO.	DATE	CHK	APVD	DCT

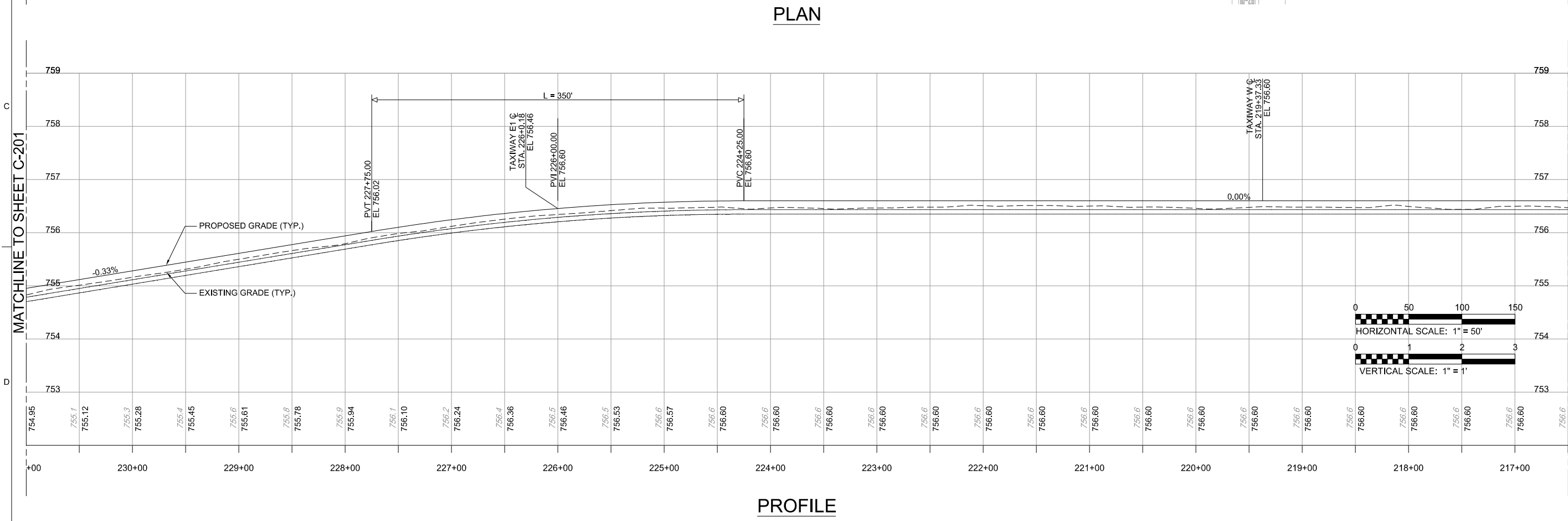
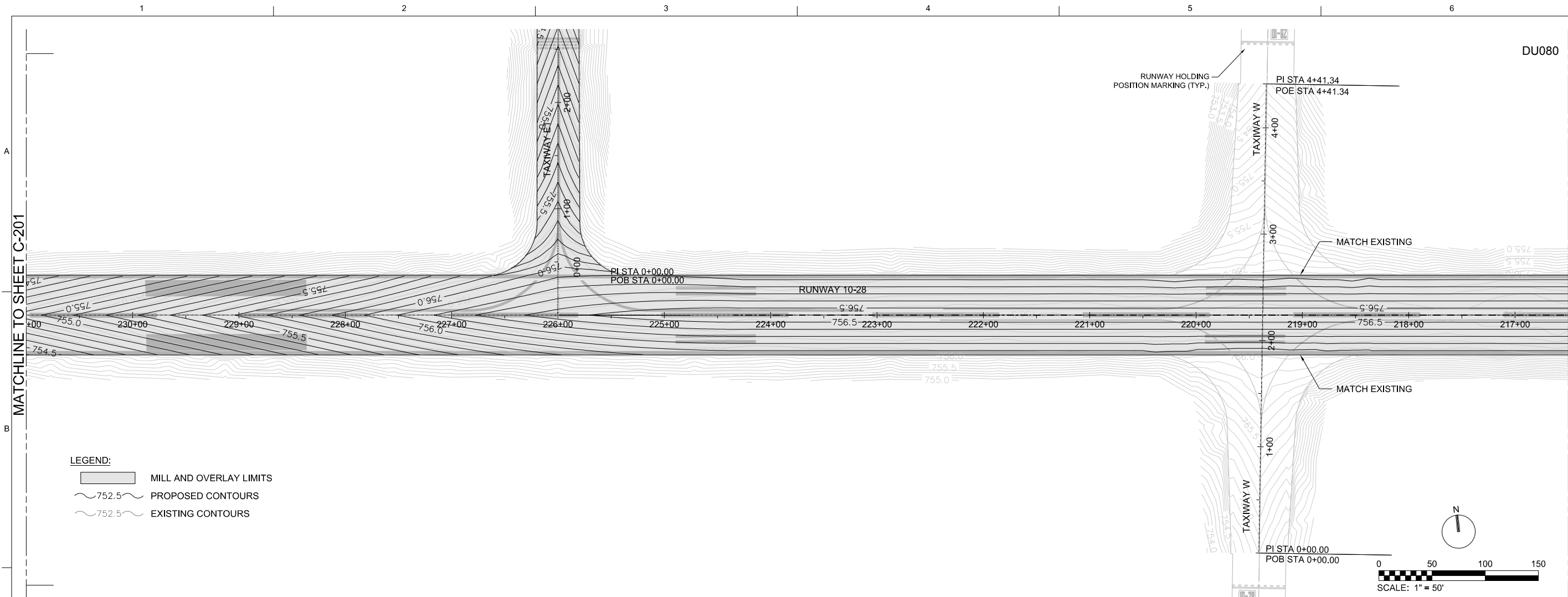
8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

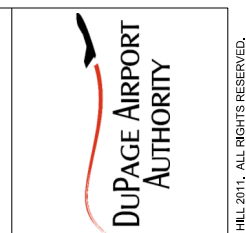
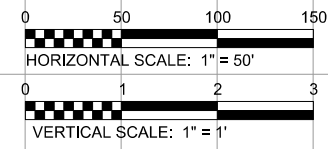
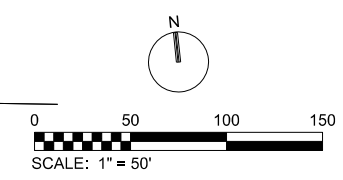
CH2MHILL

CIVIL
RUNWAY PLAN
& PROFILE I

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE: 2012/02/03
PROJ: 424278
DWG: C-201
SHEET: 26 of 68



- LEGEND:**
- MILL AND OVERLAY LIMITS
 - PROPOSED CONTOURS
 - EXISTING CONTOURS



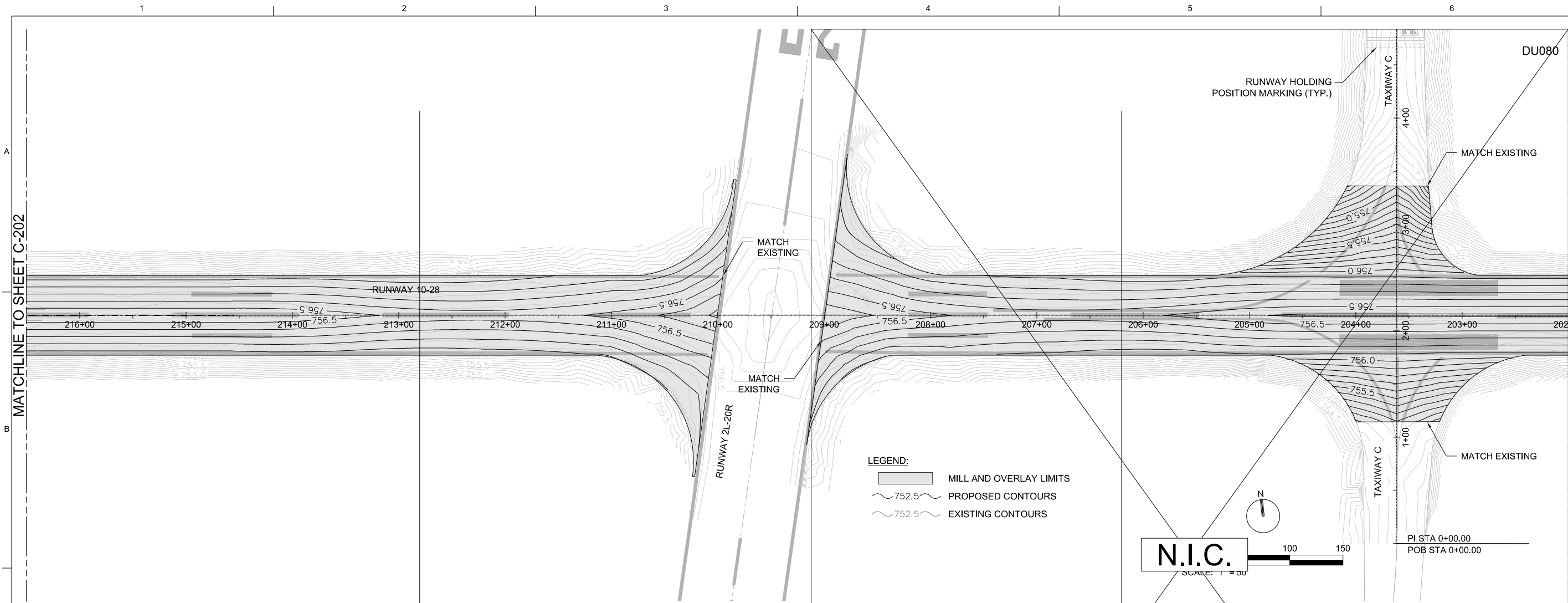
NO.	DATE	CHK	DR	DCT	MV
2012/09/21					
ISSUE FOR BID REVISION					APVD

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

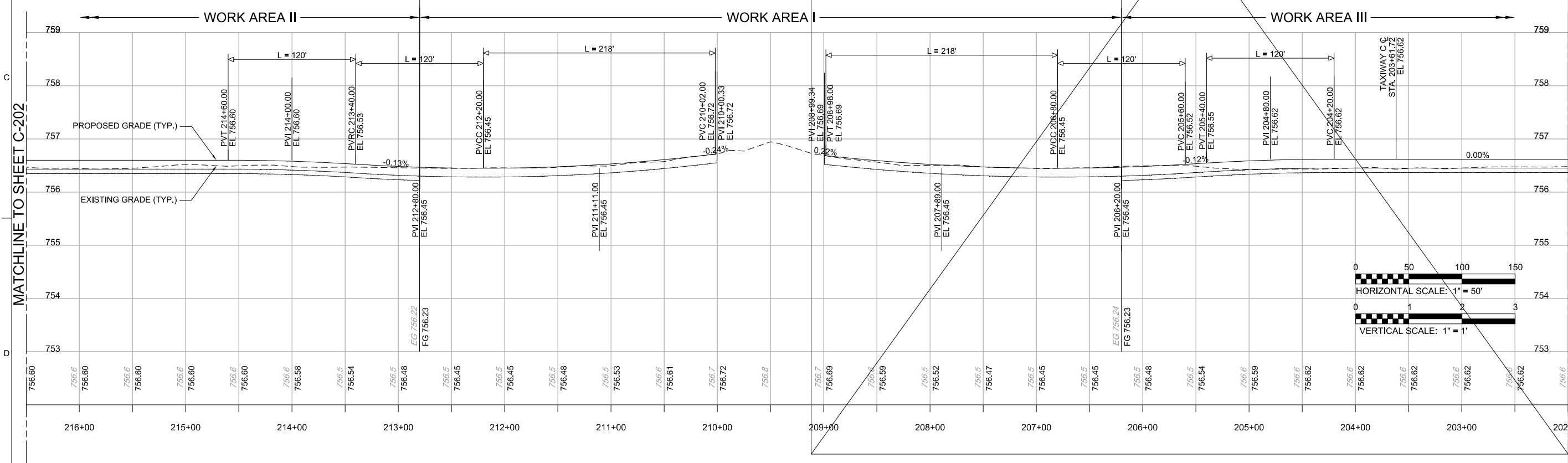
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

AS SHOWN	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2012/02/03
PROJ	424278
DWG	C-202
SHEET	27 of 68

REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2MHILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL. ©CH2MHILL 2011. ALL RIGHTS RESERVED.

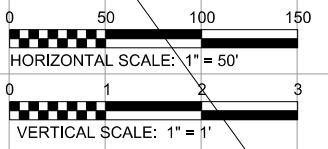
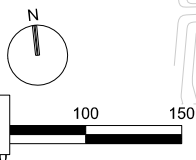


PLAN



PROFILE

N.I.C.



MATCHLINE TO SHEET C-204

MATCHLINE TO SHEET C-204



NO.	DATE	BY	APVD	MV
2012.09.21				
NO.	DATE	CHK	APVD	DCT
NO.	DATE	DR	JRT	HF

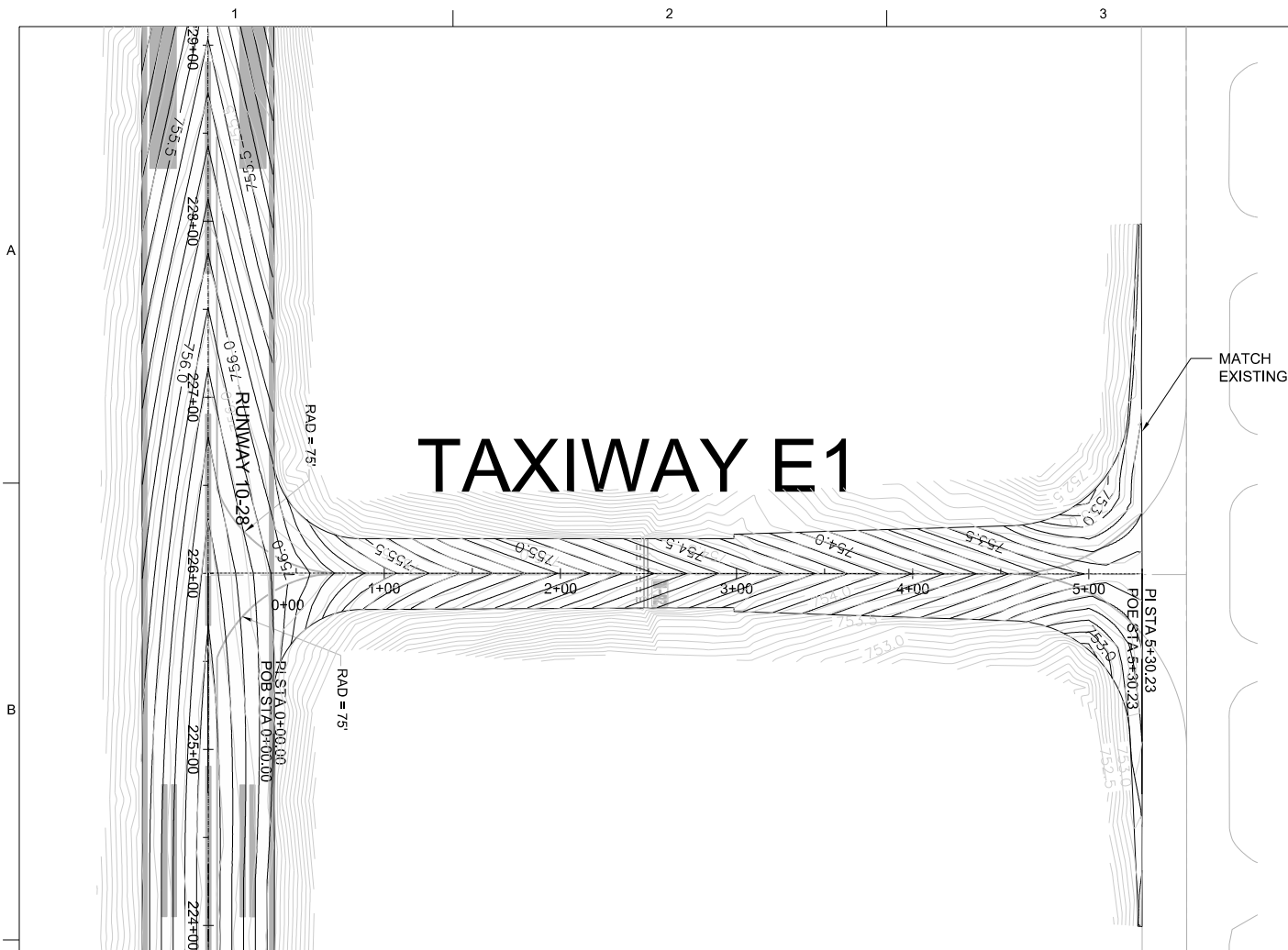
8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

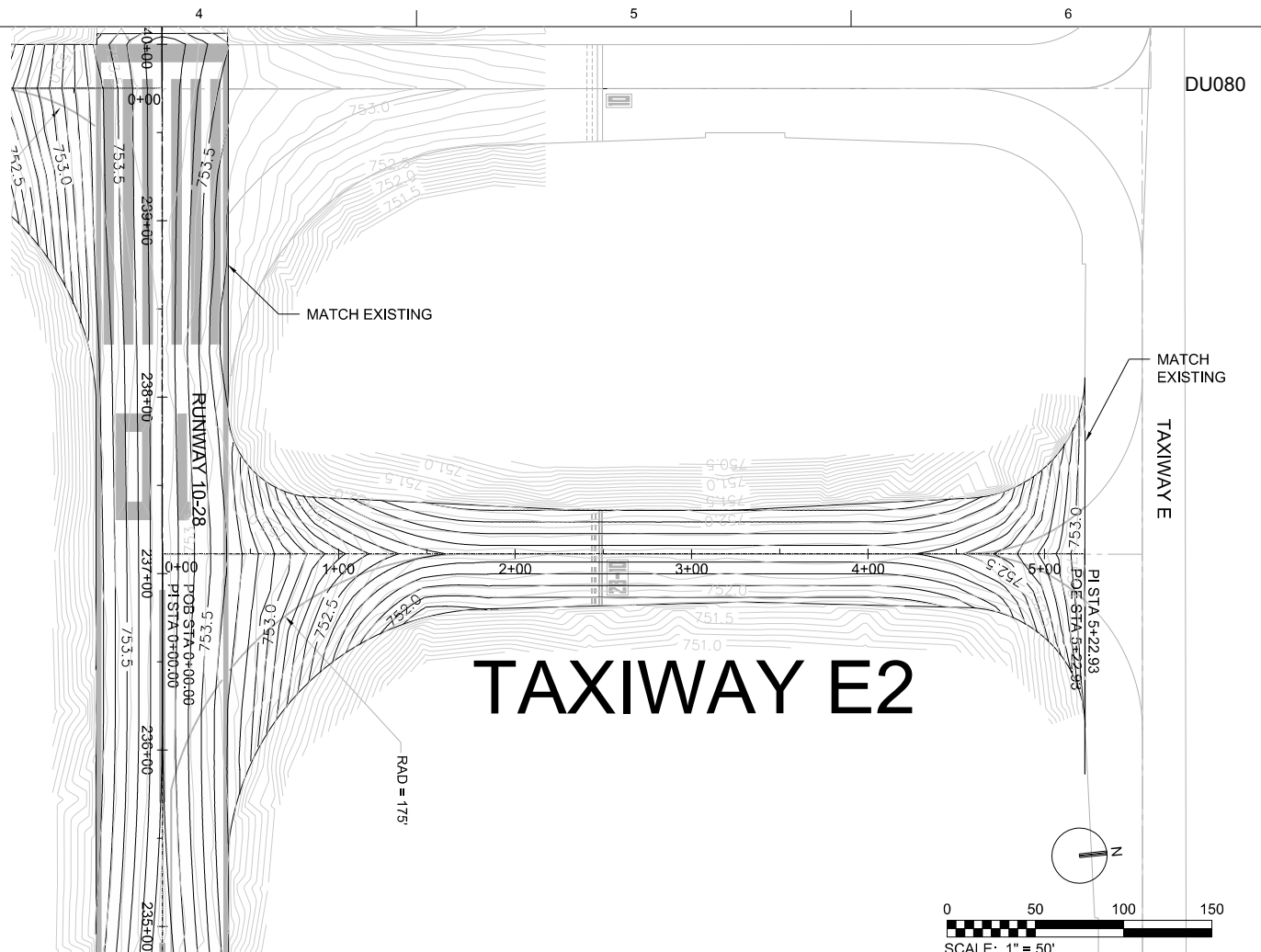
CIVIL
CH2MHILL
RUNWAY PLAN
& PROFILE III

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-203
SHEET 28 of 68

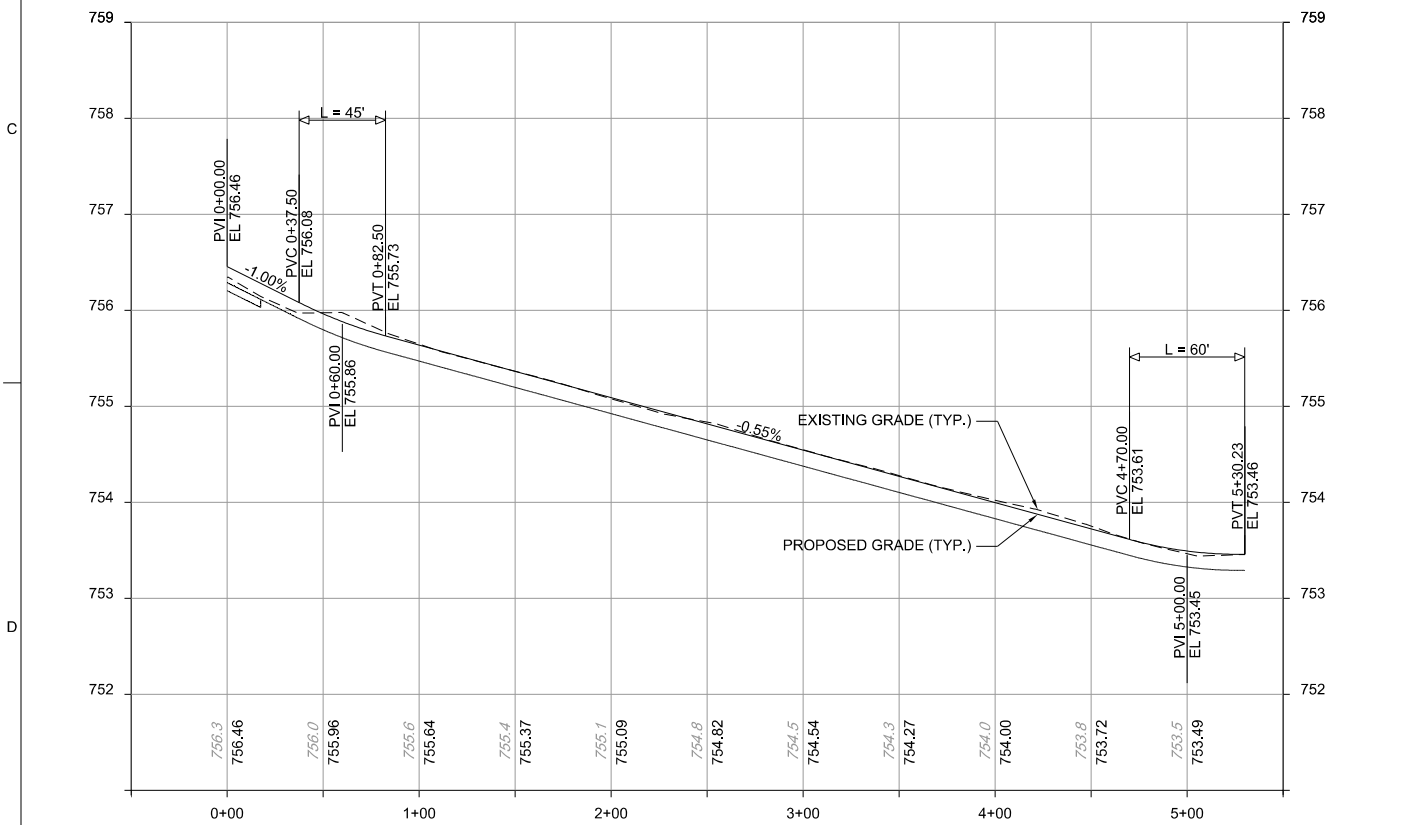
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL. © CH2M HILL 2011. ALL RIGHTS RESERVED.



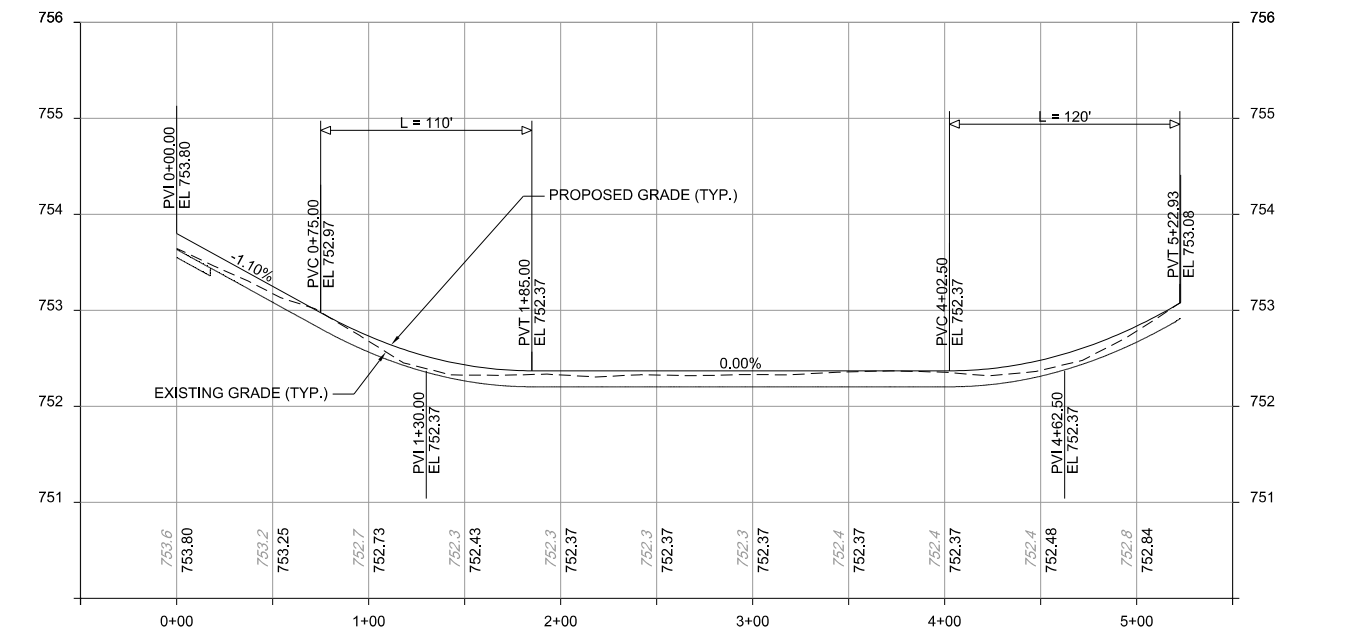
TAXIWAY E1 PLAN



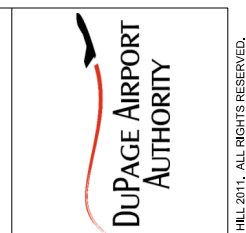
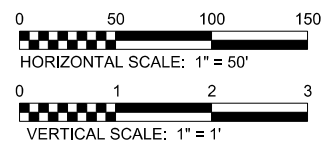
TAXIWAY E2 PLAN



TAXIWAY E1 PROFILE



TAXIWAY E2 PROFILE



NO.	DATE	DSGN	JRT	DR	HF	CHK	REVISION	BY	APVD	MV
	2012/09/21						ISSUE FOR BID			

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL®

CIVIL
**TAXIWAY E1 & E2 PLAN
& PROFILE**

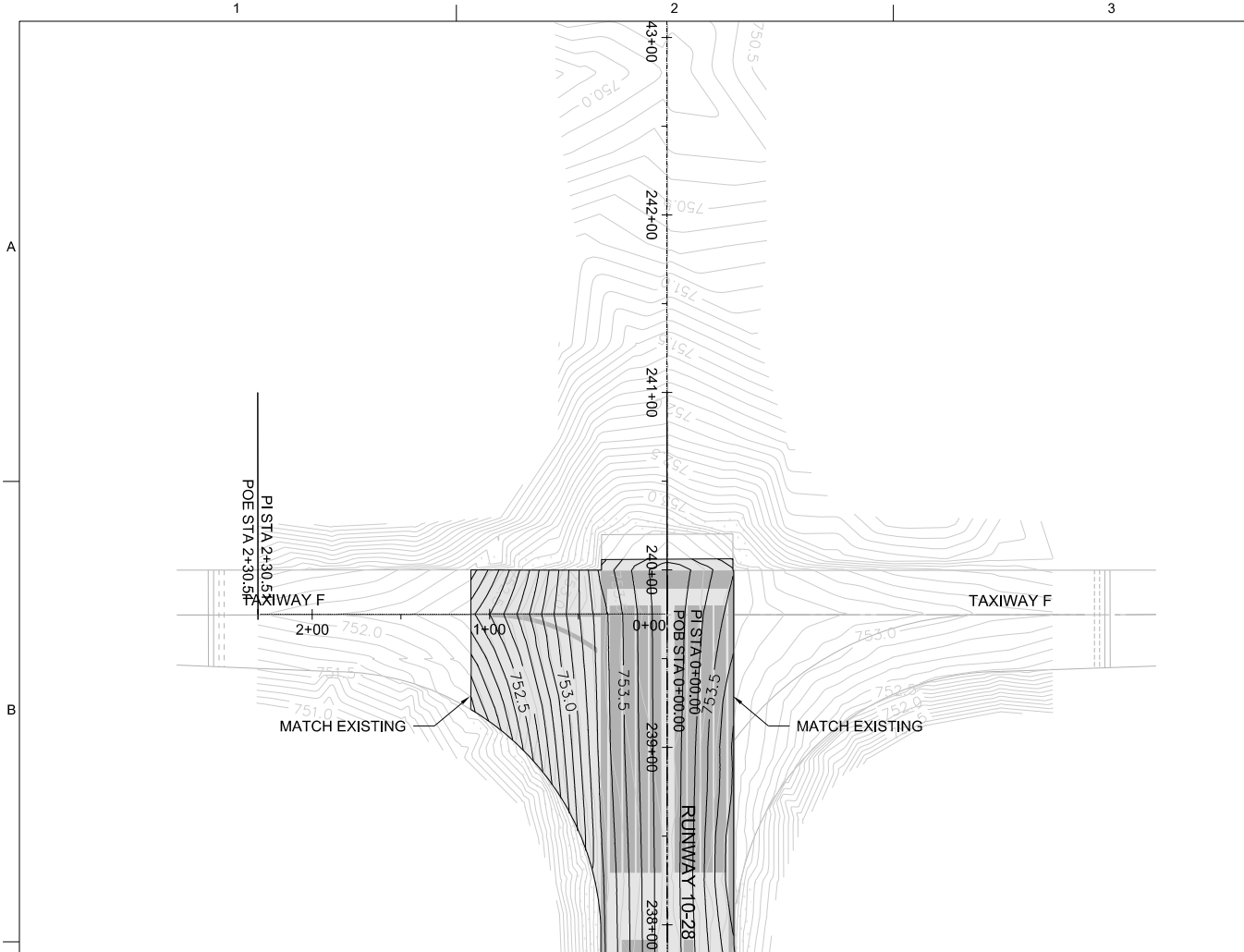
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-206
SHEET 29 of 68

NO.	DATE	ISSUE FOR BID	BY	MV
2012/09/21		REVISION	CHK	APVD
			DR	APVD
			JRT	DCT

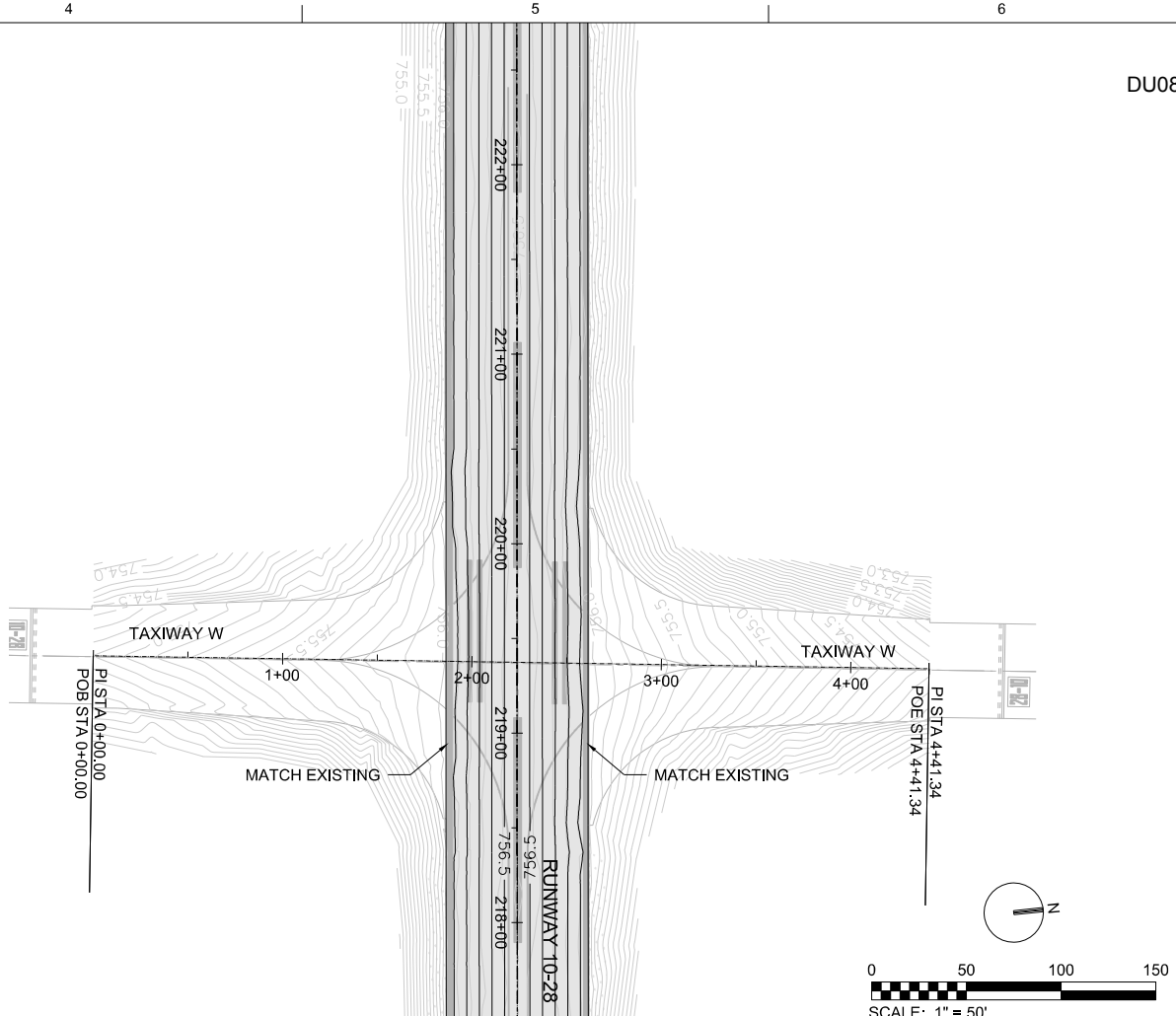
8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

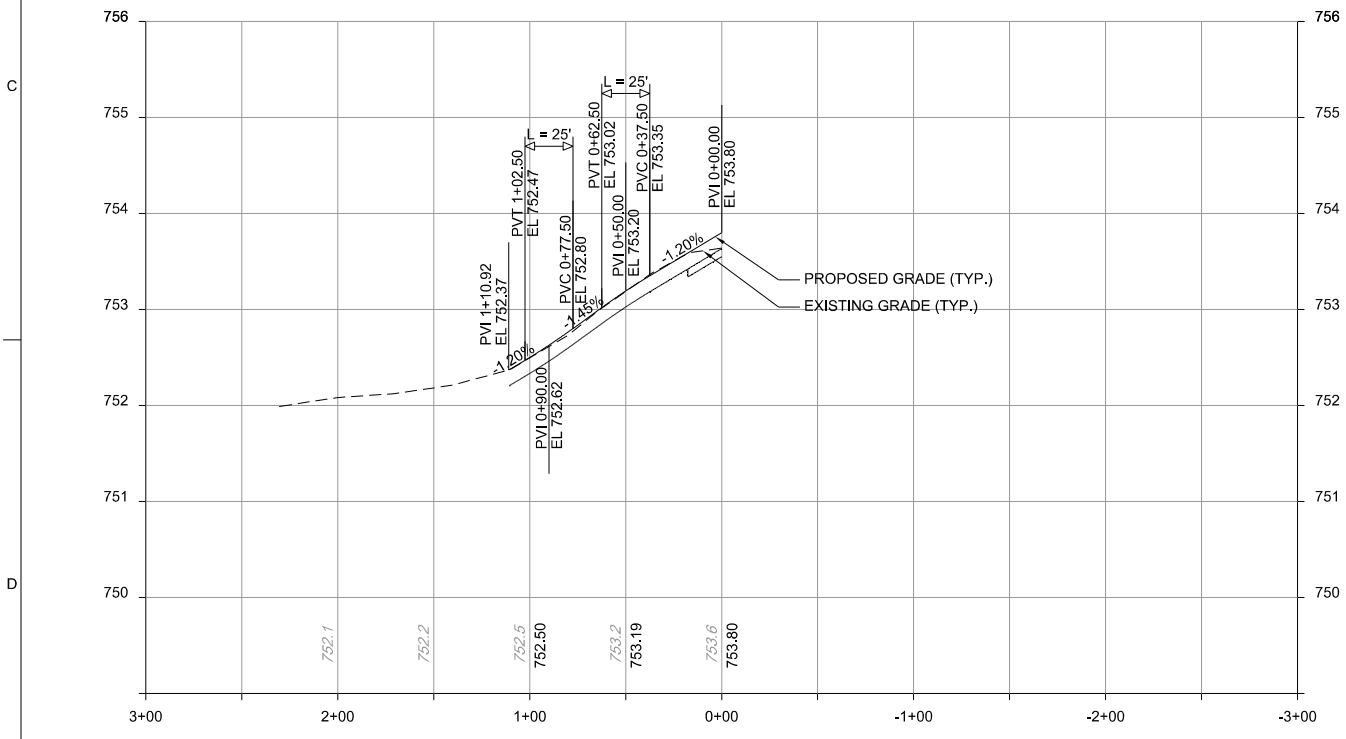
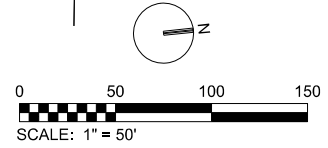
CH2MHILL [®]	
CIVIL	TAXIWAY F & W PLAN & PROFILE
AS SHOWN	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2012/02/03
PROJ	424278
DWG	C-207
SHEET	30 of 68



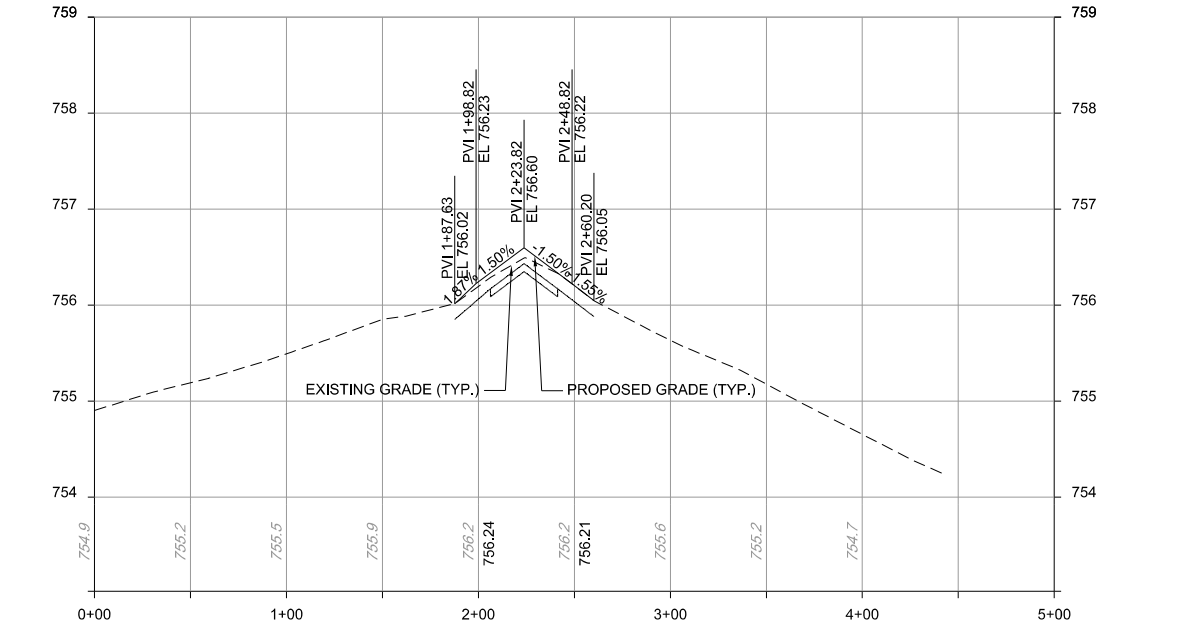
TAXIWAY F PLAN



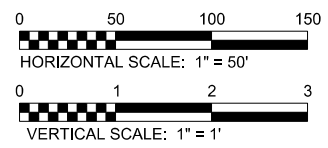
TAXIWAY W PLAN

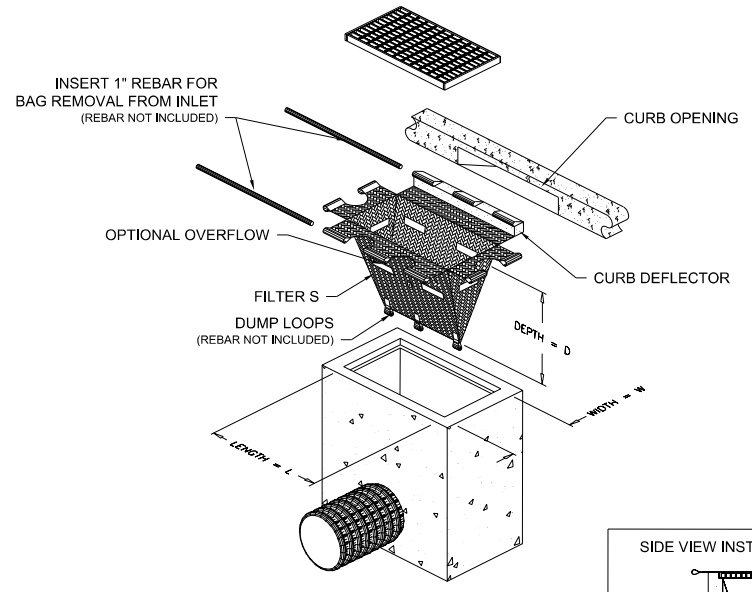


TAXIWAY F PROFILE

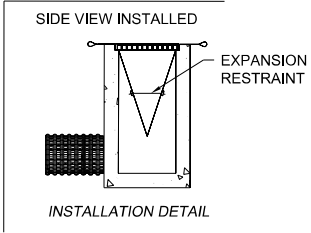


TAXIWAY W PROFILE

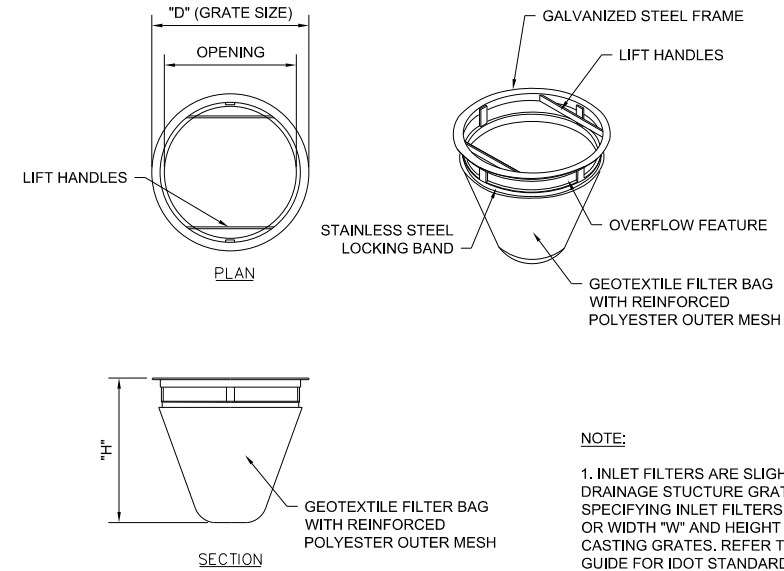




NOTE:
1. INLET PROTECTION SHALL BE PLACED IN ALL INLETS THAT ARE WITHIN 250' OF THE RUNWAY CENTERLINE.

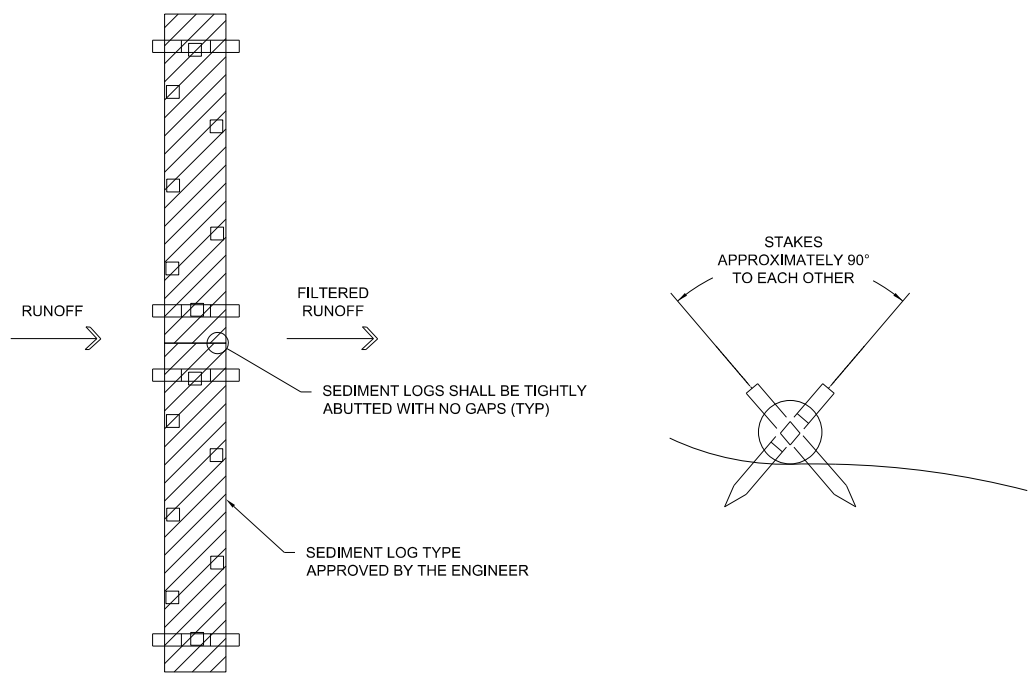


1 INLET PROTECTION (TYPE B) DETAILS
NTS



NOTE:
1. INLET FILTERS ARE SLIGHTLY SMALLER THAN THE DRAINAGE STRUCTURE GRATE SIZES. WHEN IDENTIFIED OR SPECIFYING INLET FILTERS REFER TO THE DIAMETER "D" OR WIDTH "W" AND HEIGHT "H" OF FILTER FRAMES OR CASTING GRATES. REFER TO CASTING CROSS REFERENCE GUIDE FOR IDOT STANDARDS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. INLET PROTECTION SHALL BE PLACED IN ALL INLETS THAT ARE WITHIN 250' OF THE RUNWAY CENTERLINE.

2 INLET PROTECTION TYPE A (ROUND) FILTER DETAILS
NTS



3 SEDIMENT LOG DETAIL
NTS

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

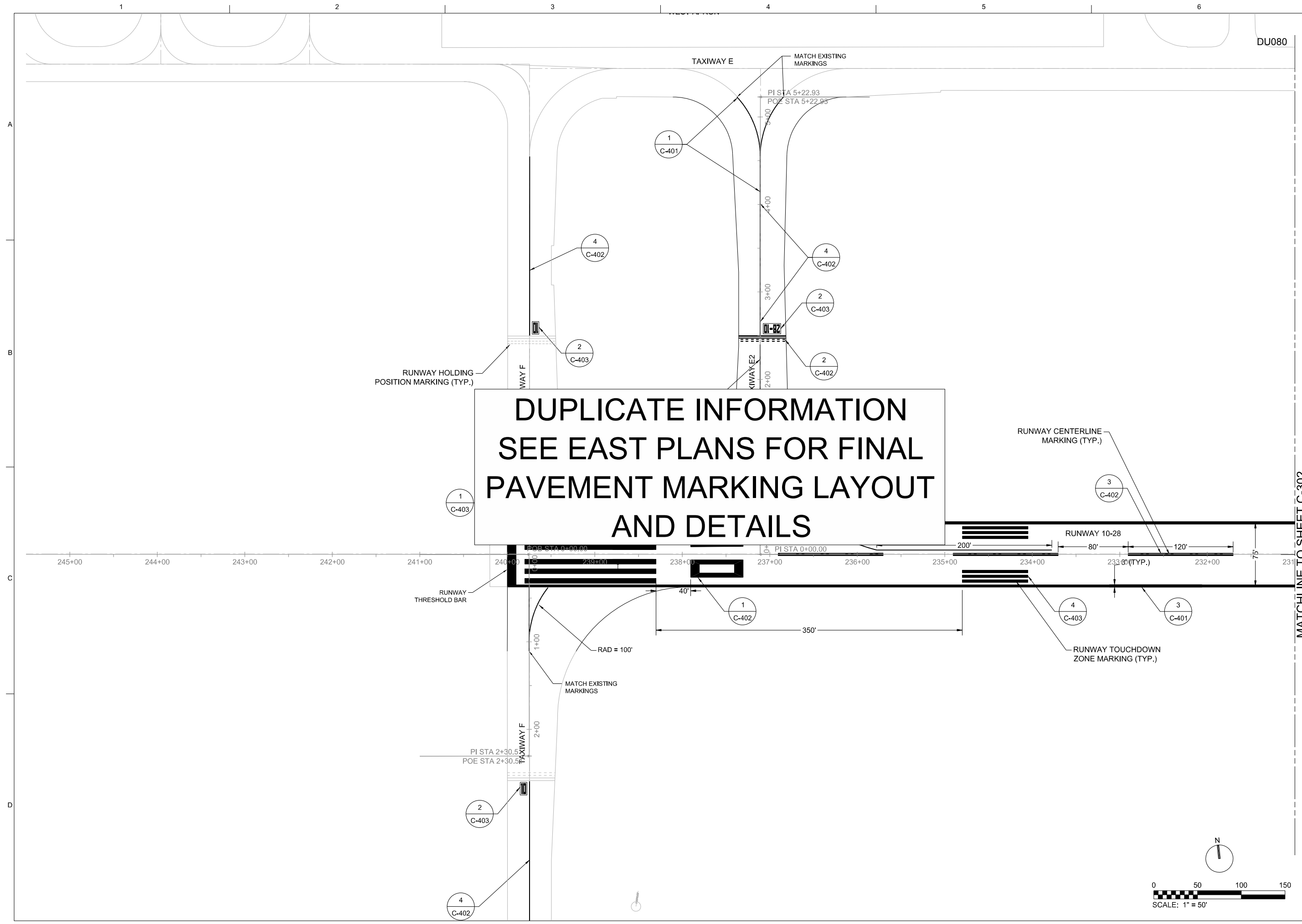
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL
CIVIL

EROSION CONTROL DETAILS

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-251
SHEET 32 of 68

NO.	DATE	DR	BY	APVD	MV
2012/09/21		DR	JA	APVD	
			CHK		
			JA		
			APVD		
			BY		
			APVD		
			ISSUE FOR BID		



**DUPLICATE INFORMATION
SEE EAST PLANS FOR FINAL
PAVEMENT MARKING LAYOUT
AND DETAILS**



NO.	DATE	DSGN	DR	JRT	HF	CHK	APVD	BY	APVD	MV
	2012/08/21									
ISSUE FOR BID REVISION										

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

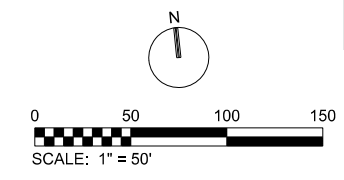
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL[®]

CIVIL
**PAVEMENT MARKING
PLAN I**

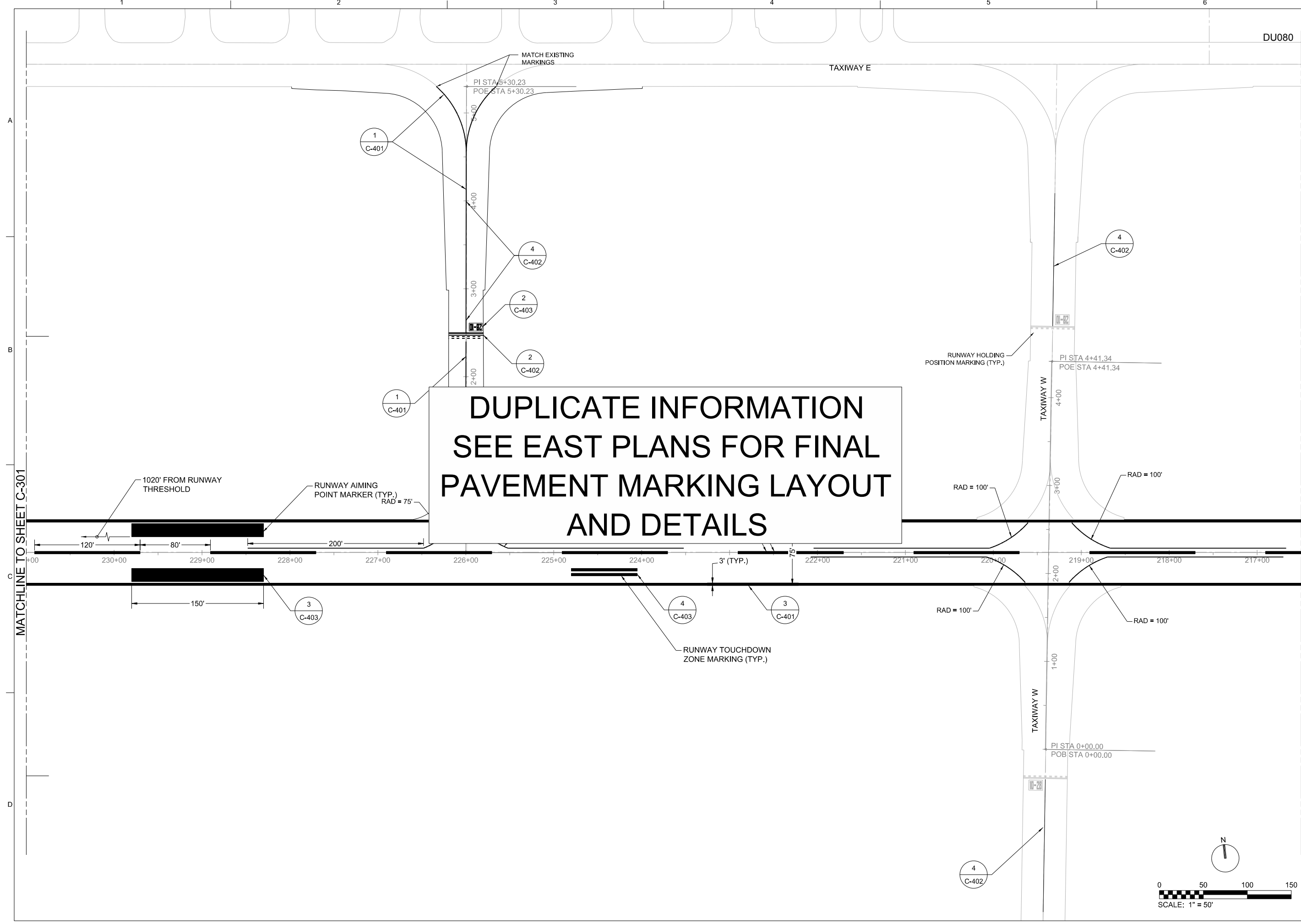
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE	2012/02/03
PROJ	424278
DWG	C-301
SHEET	33 of 68



© CH2M HILL 2011. ALL RIGHTS RESERVED. CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.

**DUPLICATE INFORMATION
SEE EAST PLANS FOR FINAL
PAVEMENT MARKING LAYOUT
AND DETAILS**



NO.	DATE	ISSUE FOR BID	REVISION	BY	APVD	MV
2012/08/21						
DSGN	JRT	DR	HF	CHK	APVD	DCT

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

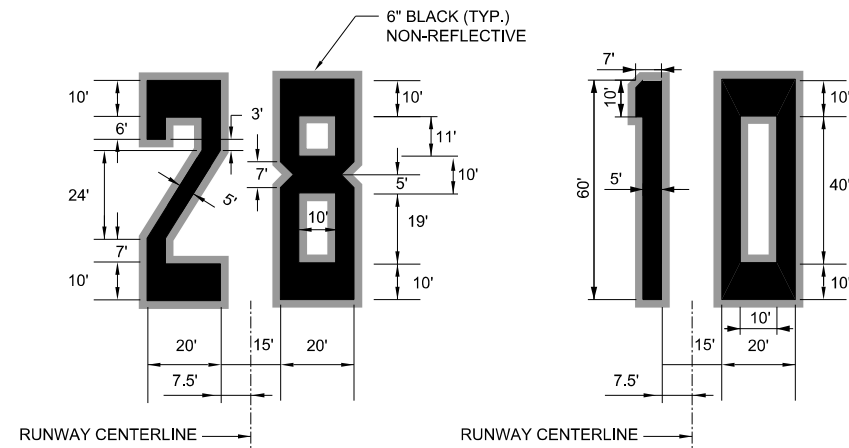
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL®

CIVIL
**PAVEMENT MARKING
PLAN II**

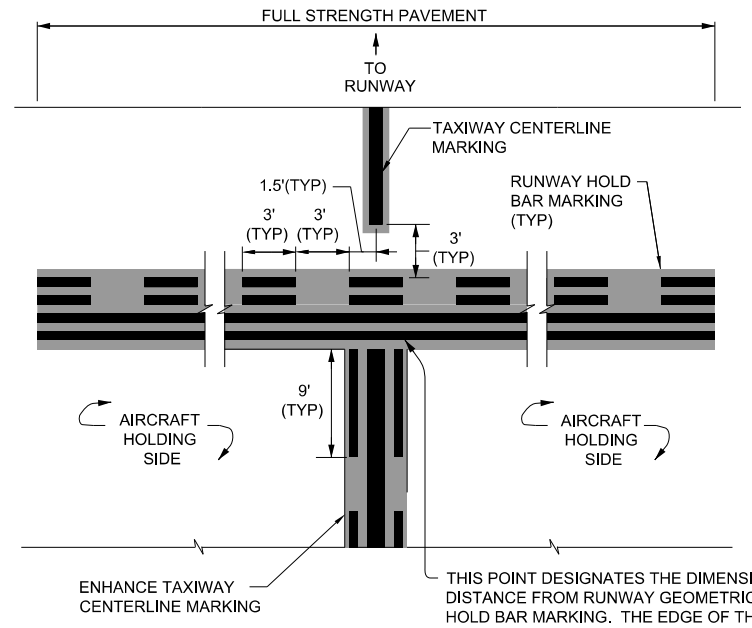
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE	2012/02/03
PROJ	424278
DWG	C-302
SHEET	34 of 68



1 RUNWAY DESIGNATION MARKINGS
N.T.S.

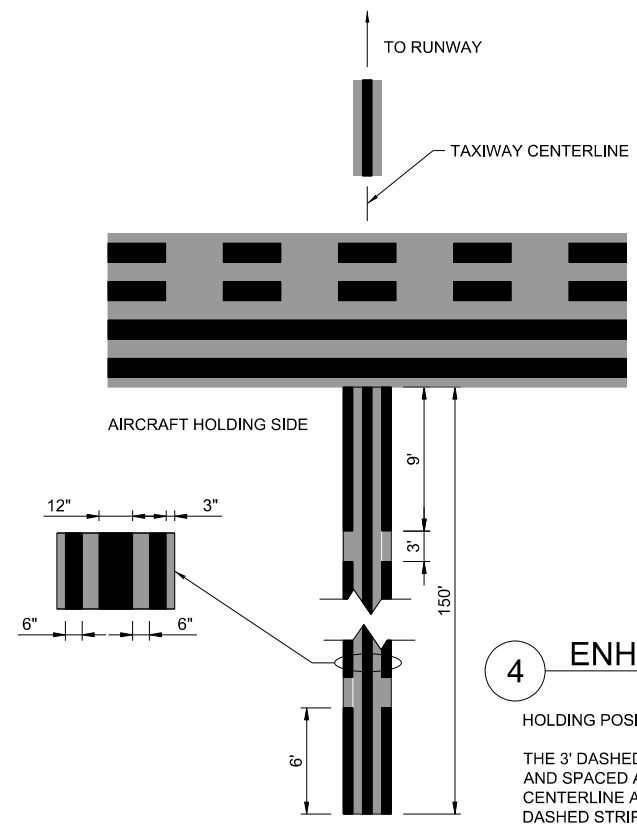
NOTE:
1. ALL RUNWAY SIDE STRIPE MARKINGS SHALL BE WHITE WITH GLASS BEADS.
2. 6" BLACK BORDER AND/OR BACKGROUND SHALL BE APPLIED TO MARKINGS APPLIED ON PROPOSED/EXISTING ASPHALT AND/OR CONCRETE PAVEMENT. PAYMENT SHALL BE MADE UNDER ITEM P-620.



2 RUNWAY HOLD BAR MARKING
N.T.S.

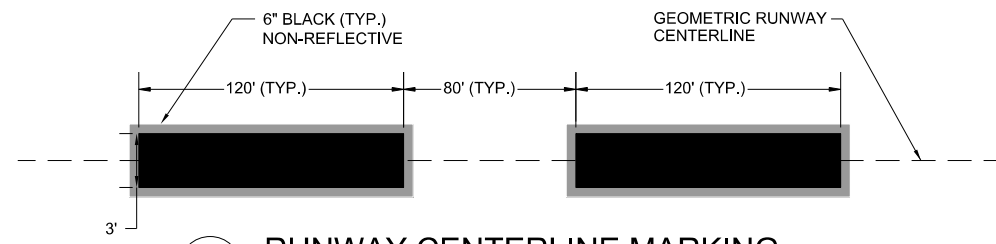
6" BLACK (TYP.) NON-REFLECTIVE AND/OR BACKGROUND SHALL BE APPLIED TO HOLDING POSITION MARKINGS APPLIED ON PROPOSED/EXISTING ASPHALT AND/OR CONCRETE PAVEMENT SHALL BE MADE UNDER ITEM P-620.

**DUPLICATE INFORMATION
SEE EAST PLANS FOR FINAL
PAVEMENT MARKING LAYOUT
AND DETAILS**



4 ENHANCED TAXIWAY CENTERLINE MARKING
N.T.S.

HOLDING POSITION NOTE:
THE 3" DASHED STRIPES SHALL BE CENTERED AND SPACED AS SHOWN FROM THE GEOMETRIC CENTERLINE AND IN SOME CASES A PARTIAL DASHED STRIPE OR PARTIAL SPACE WILL ABUT AGAINST THE TAXIWAY EDGE MARKINGS.



3 RUNWAY CENTERLINE MARKING
N.T.S.

NOTE:
1. ALL RUNWAY SIDE STRIPE MARKINGS SHALL BE WHITE WITH GLASS BEADS.
2. 6" BLACK BORDER AND/OR BACKGROUND SHALL BE APPLIED TO MARKINGS APPLIED ON PROPOSED/EXISTING ASPHALT AND/OR CONCRETE PAVEMENT. PAYMENT SHALL BE MADE UNDER ITEM P-620.

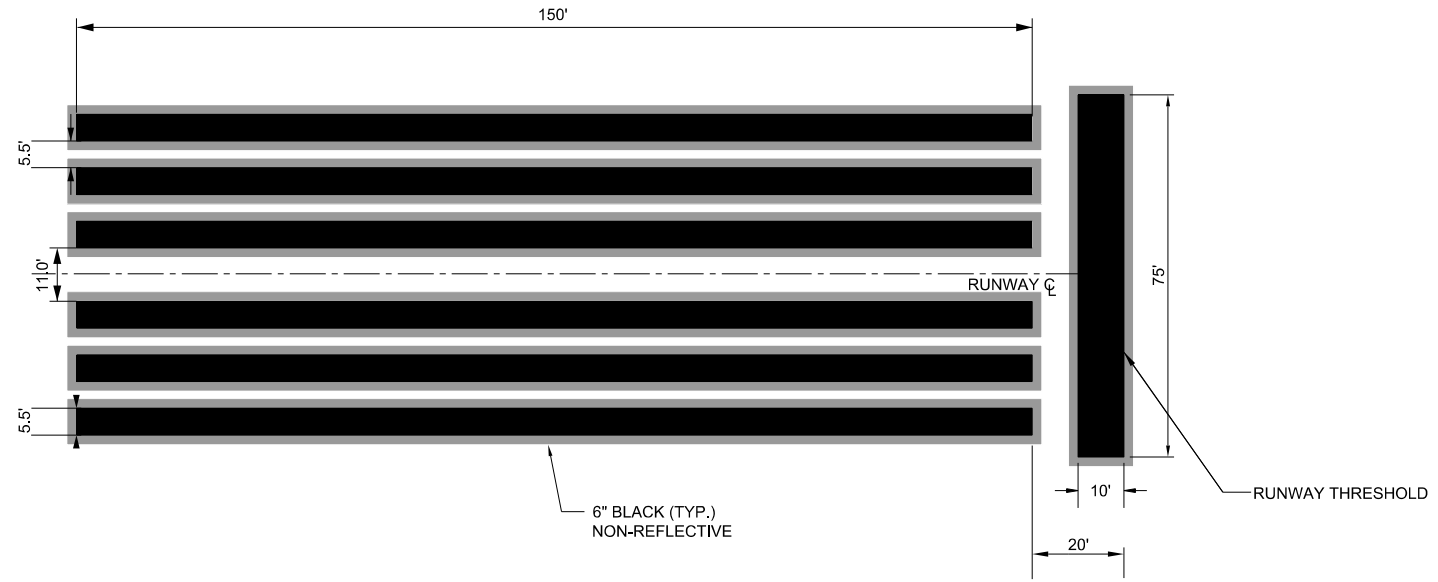
GENERAL NOTES:
1. ALL RUNWAY MARKINGS SHALL BE WHITE.
2. ALL TAXIWAY MARKINGS SHALL BE YELLOW.
3. ALL BORDERS/BACKGROUNDS/OUTLINES SHALL BE BLACK.

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

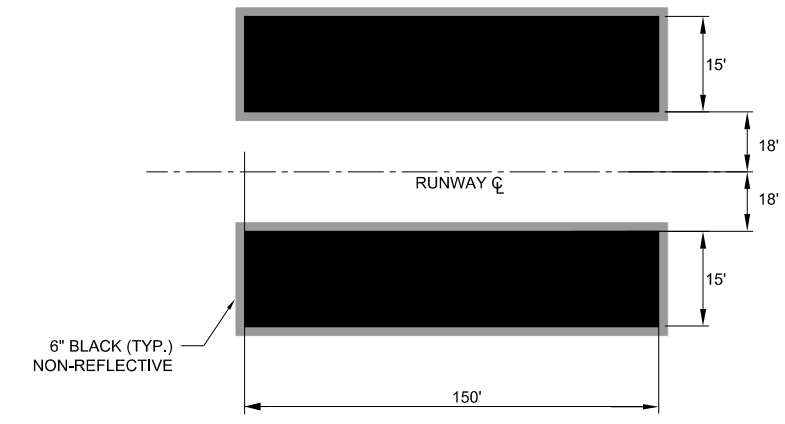
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL
CIVIL
PAVEMENT MARKING
DETAILS II

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-402
SHEET 37 of 68

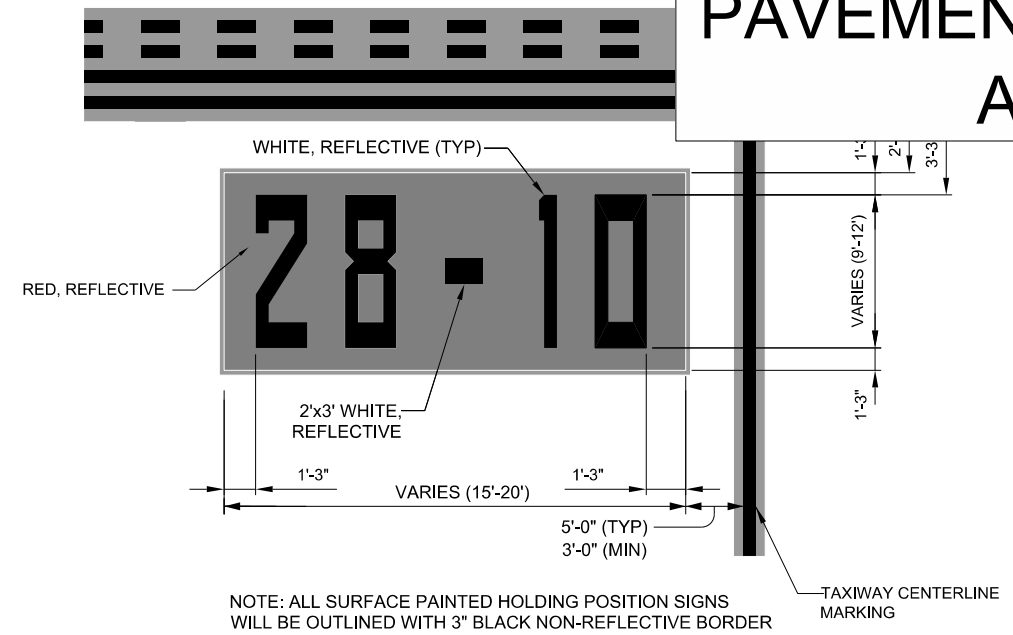


1 RUNWAY THRESHOLD MARKINGS (WHITE)
N.T.S.

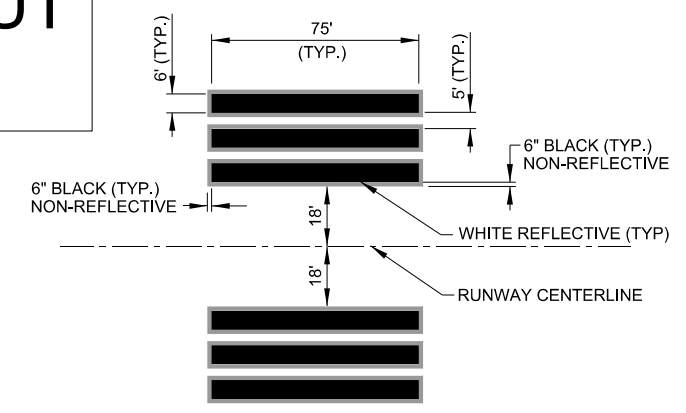


3 RUNWAY AIMING POINT MARKER DETAIL
N.T.S.

**DUPLICATE INFORMATION
SEE EAST PLANS FOR FINAL
PAVEMENT MARKING LAYOUT
AND DETAILS**



2 SURFACE PAINTED HOLDING POSITION SIGN
N.T.S.



NOTES:

1. OUTERMOST STRIPE IS REMOVED AS STATIONING DECREASES. SEE PAVEMENT MARKING PLAN FOR NUMBER OF STRIPES.
2. DIMENSIONS SHOWN DO NOT INCLUDE 6" NON-REFLECTIVE BLACK OUTLINE.

4 RUNWAY TOUCHDOWN ZONE MARKINGS DETAIL
N.T.S.

- GENERAL NOTES:**
1. ALL RUNWAY MARKINGS SHALL BE WHITE.
 2. ALL TAXIWAY MARKINGS SHALL BE YELLOW.
 3. ALL BORDERS/BACKGROUNDS/OUTLINES SHALL BE BLACK.

NO.	DATE	ISSUE FOR BID	BY	MV
2012/09/21		REVISION	APVD	
DSGN		CHK	APVD	
		DR	APVD	
		JRT	DCT	

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

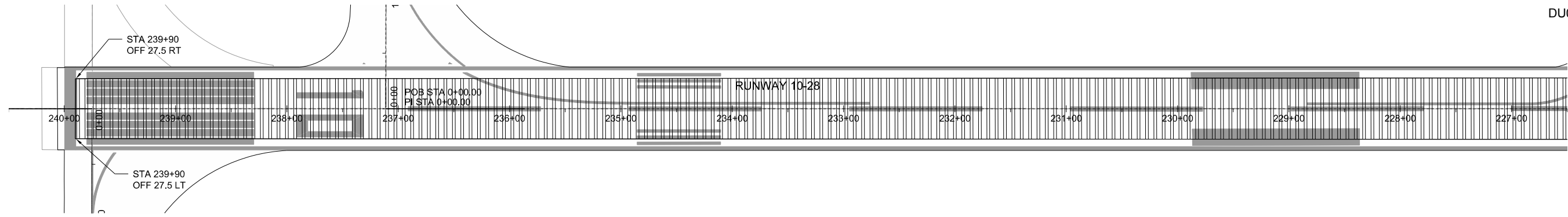
CH2MHILL[®]
CIVIL

**PAVEMENT MARKING
DETAILS III**

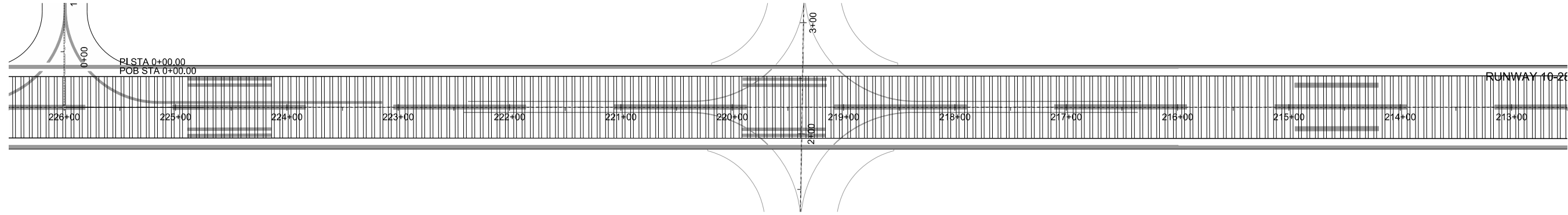
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-403
SHEET 38 of 68

DU080

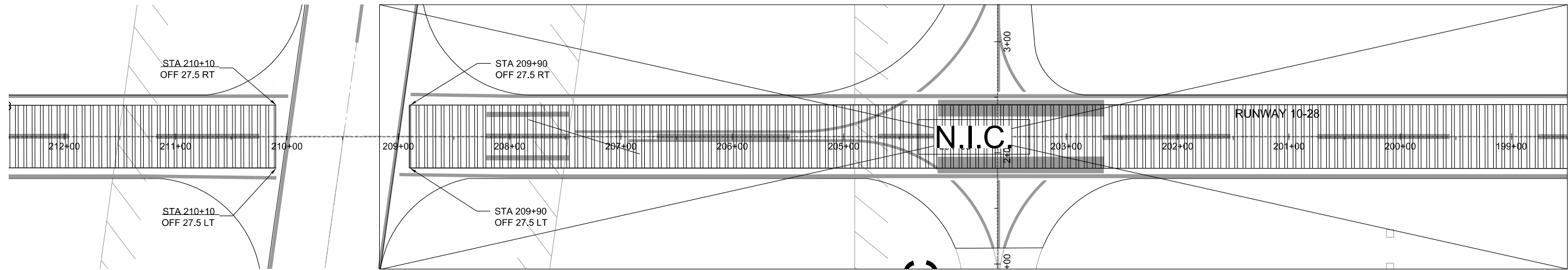
A



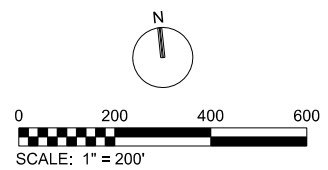
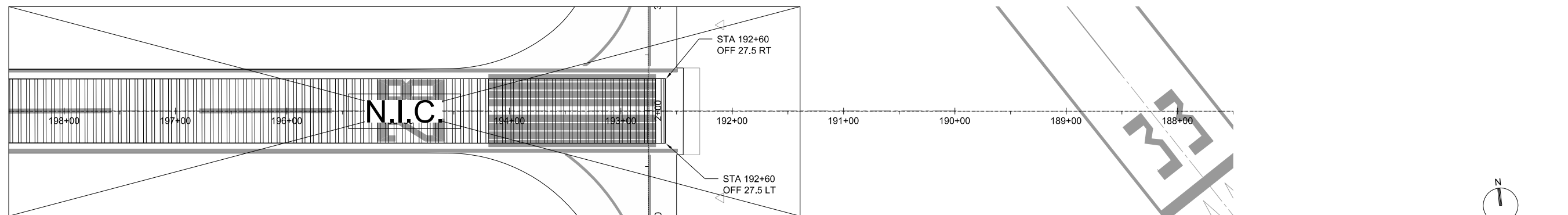
B



C



D



NO.	DATE	DR	CHK	BY	APVD	MV
2012/09/21		JT	HF			
ISSUE FOR BID			REVISION			
DGSN			APVD		DCT	

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

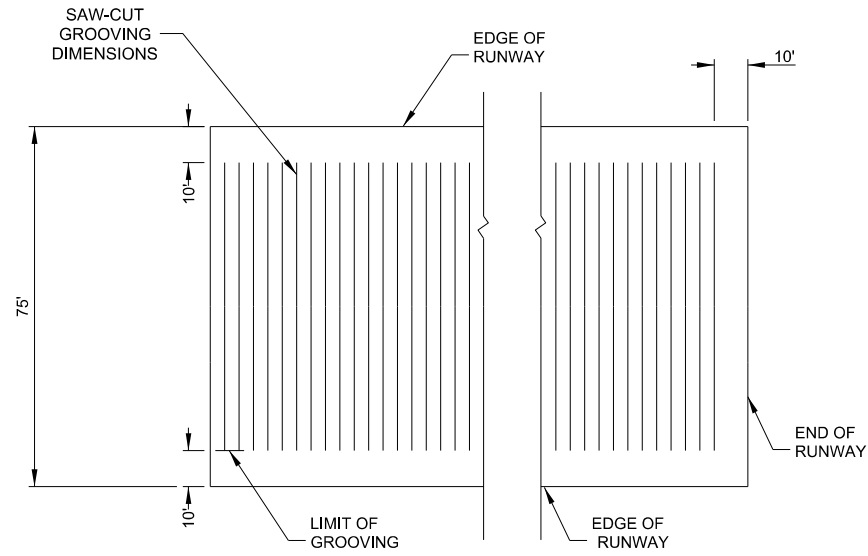
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL[®]
CIVIL
PAVEMENT GROOVING PLAN

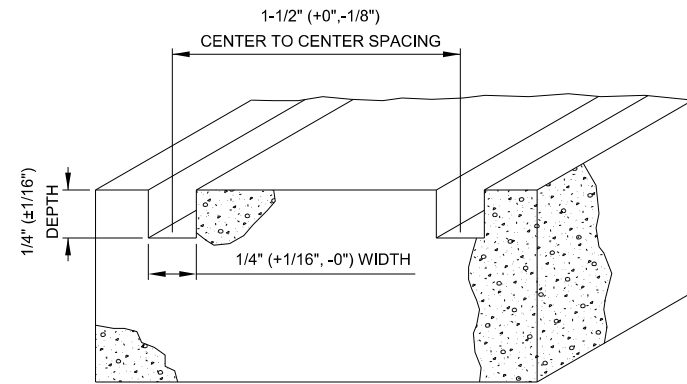
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-410
SHEET 39 of 68

©CH2M HILL 2011. ALL RIGHTS RESERVED.

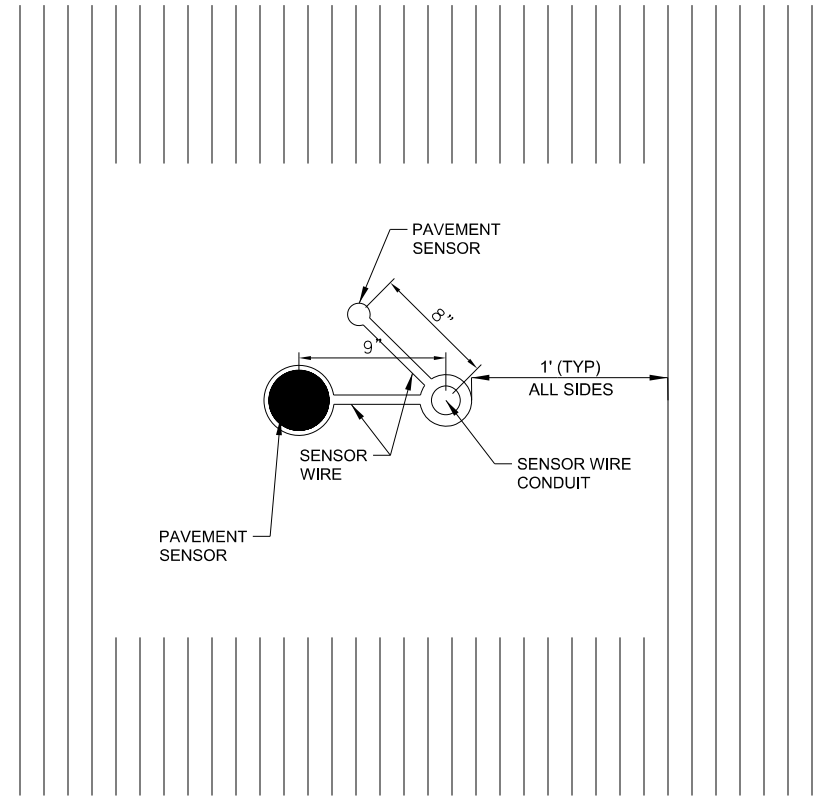
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.



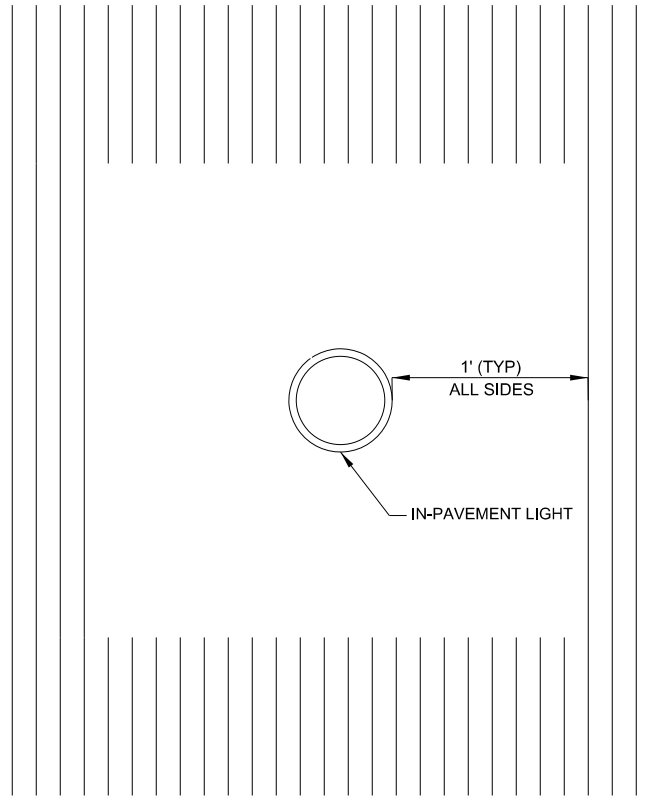
1 SAW-CUT GROOVING
NTS



2 SAW-CUT GROOVING DIMENSIONS
NTS



3 SAW-CUT GROOVING AT PAVEMENT SENSORS
NTS



4 SAW-CUT GROOVING AT IN-PAVEMENT LIGHTS
NTS

NOTES:

1. THE PROPOSED GROOVES SHALL BE CUT PERPENDICULAR TO THE RUNWAY CENTERLINE.
2. RUNWAY 10-28 SHALL BE GROOVED FROM STA. 192+60.00 TO STA. 209+90.00 AND STA. 210+10.00 TO STA. 239+90.00.
3. THE FAA STANDARD GROOVE CONFIGURATION IS 1/4 INCH ($\pm 1/16$ INCH) IN DEPTH BY 1/4 INCH ($+1/16$ INCH, -0 INCH) IN WIDTH BY 1 1/2 INCH ($- 1/8$ INCH, $+ 0$ INCH) CENTER TO CENTER SPACING.
4. THE DEPTH OF 60 PERCENT OR MORE OF THE GROOVES SHALL NOT BE LESS THAN 1/4 INCH.
5. THE GROOVES SHALL BE TERMINATED WITHIN 10 FEET OF THE RUNWAY PAVEMENT EDGE TO ALLOW ADEQUATE SPACE FOR OPERATION OF THE GROOVING EQUIPMENT.
6. THE GROOVES SHALL NOT VARY MORE THAN 3 INCHES IN ALIGNMENT FOR 75 FEET ALONG THE RUNWAY LENGTH, ALLOWING FOR REALIGNMENT EVERY 500 FEET ALONG THE RUNWAY LENGTH.
7. PAVEMENT FOR 1' ON ALL SIDES OF PAVEMENT SENSORS SHALL NOT BE GROOVED.
8. ALL SOLID MATERIAL GENERATED FROM THE GROOVING OPERATIONS SHALL BE PICKED UP AND DISPOSED OF AT AN APPROVED LAND FILL OFF THE AIRPORT SITE, AT THE CONTRACTORS OWN EXPENSE.
9. NO MATERIAL WHICH IS HARMFUL TO VEGETATION SHALL BE FLUSHED FROM THE GROOVED PAVEMENT ONTO THE TURFED SHOULDER, BUT SHALL BE PICKED UP AND HAULED TO A LOCATION OFF THE AIRPORT SITE AT THE CONTRACTOR'S OWN EXPENSE.
10. IMMEDIATELY FOLLOWING THE GROOVING MACHINE THE PAVEMENT SHALL BE FLUSHED, CLEANED AND CLEARED OF ALL MATERIAL GENERATED BY THE GROOVING OPERATION.

BITUMINOUS PAVEMENT CURE TIME

THE CONTRACTOR SHALL NOT PROCEED WITH GROOVING UNTIL NEW BITUMINOUS SURFACE COURSE HAS CURED FOR A MINIMUM OF 30 CALENDAR DAYS. IF GROOVING OPERATIONS RESULT IN TEARING OF THE MAT OR DISPLACEMENT OF THE AGGREGATE IN THE MAT THE CONTRACTOR SHALL CEASE GROOVING OPERATIONS UNTIL THE PAVEMENT HAS ADEQUATELY CURED.

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL
CIVIL

PAVEMENT GROOVING
DETAILS

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG C-411
SHEET 40 of 68

ELECTRICAL NOTES

1. THE WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL SAFETY CODE, NATIONAL ELECTRICAL CODE, FEDERAL AVIATION ADMINISTRATION SPECIFICATIONS/ ADVISORY CIRCULARS AND ORDERS, AND APPLICABLE LOCAL BUILDING CODES.
2. NEW MATERIALS SHALL BE U.L. LISTED.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS AND APPROVALS.
4. ALL MATERIALS SCHEDULED FOR REMOVAL SUCH AS EXISTING LIGHTS, TRANSFORMERS, ETC, WHICH ARE DEEMED SALVAGABLE BY DAA, SHALL BE DELIVERED TO THE LOCATION ON AIRPORT PROPERTY AS INDICATED BY THE OWNER'S REPRESENTATIVE. ALL NON SALVAGABLE MATERIALS REMOVED SUCH AS CONCRETE FOUNDATIONS, CONDUIT, CONDUCTORS, ETC. SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
5. THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL NOT BE SCALED FOR EXACT LOCATIONS. NOT ALL UTILITIES MAY BE SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE APPROPRIATE UTILITY/AGENCY PRIOR TO STARTING WORK FOR THE LOCATION OF EXISTING UTILITIES. ANY INTERRUPTION OF AN EXISTING SYSTEM OR UTILITY SERVICE SHALL BE COORDINATED AND APPROVED BY THE AUTHORITY, AGENCY OR UTILITY HAVING JURISDICTION. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL CONTACT ALL LOCAL UTILITIES TO ALLOW THEM TIME TO PROPERLY LOCATE ALL UTILITIES.
6. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE DAA AND FEDERAL AVIATION ADMINISTRATION PRIOR TO AND DURING CONSTRUCTION TO ENSURE THAT ALL ELECTRICAL CIRCUITS AND FACILITIES HAVE BEEN LOCATED, FLAGGED AND ACCOUNTED FOR AND THAT ALL NECESSARY CIRCUITS HAVE BEEN DETERMINED PRIOR TO INITIATING CONSTRUCTION IN ANY LOCATION.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THAT ALL CIRCUITS, EXCEPT THOSE THAT ARE SERVING CLOSED TAXIWAYS OR RUNWAYS, ARE COMPLETELY OPERATIONAL USING TOWER CONTROLS AT THE END OF EACH WORK DAY AND SHALL SO CERTIFY TO THE OWNER'S REPRESENTATIVE BEFORE LEAVING THE SITE EACH DAY.
8. ALL EXISTING SYSTEMS/UTILITIES TO REMAIN SHALL BE PROTECTED FROM DAMAGE. REPLACEMENT OF ANY DAMAGED EXISTING SYSTEMS/UTILITIES SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGED ELECTRICAL SYSTEMS AND SHALL MAKE REPAIRS IMMEDIATELY, AT HIS OWN COST, IN ACCORDANCE WITH APPLICABLE FAA SPECIFICATIONS. DAMAGED ELECTRICAL SYSTEMS SHALL BE IMMEDIATELY REPORTED TO THE OWNER'S REPRESENTATIVE.

9. THE CONTRACTOR SHALL UTILIZE A LOCATION SERVICE AS WELL HAVE A CABLE TRACER AVAILABLE TO LOCATE THE EXISTING CABLES AND HAND DIGGING SHALL BE UNDERTAKEN WITHIN TEN (10) FEET OF ANY KNOWN OR SUSPECTED EXISTING UNDERGROUND CABLES AND UTILITIES WHICH ARE NOT TO BE DISTURBED.
10. ITEMS SHOWN IN GREY OR THIN ARE EXISTING ITEMS AND ITEMS SHOWN IN SOLID (BOLD) ARE NEW AND TO BE INSTALLED UNDER THIS CONTRACT UNLESS OTHERWISE NOTED.
11. REFER TO CIVIL PLANS FOR AIRFIELD GEOMETRY AND MARKING PLANS WITH RESPECT TO PAVEMENT SENSOR LOCATIONS.
12. THE PROJECT PAY ITEMS ARE PROVIDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL WORK TO BE IDENTIFIED WITH A SPECIFIC PAY ITEM IS TO BE CONSIDERED REQUIRED WORK TO COMPLETE THE PROJECT AND IS TO BE SUBSIDIARY TO THE COST OF PROJECT PAY ITEMS PROVIDED.
13. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO STARTING WORK.
14. THE CONTRACTOR SHALL CONDUCT INSULATION RESISTANCE TO GROUND TESTS (MEGGER) ON EACH CIRCUIT AFFECTED BY THIS WORK BEFORE COMMENCING WORK ON THAT CIRCUIT. CONTRACTOR SHALL PREPARE AND FORWARD TO THE OWNER'S REPRESENTATIVE A WRITTEN REPORT, BY CIRCUIT, OF THESE RESULTS. THE CONTRACTOR SHALL REPEAT THIS TEST ON EACH AFFECTED CIRCUIT AFTER COMPLETION OF THE WORK. RESULTS OF BOTH TESTS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE.
15. THE IDENTITY AND ROUTING OF ALL CABLES SHOWN ON THE PLANS SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE AND RECORDED IN THE AS-BUILT DRAWINGS TO PROVIDE AN ACCURATE RECORD OF CONDITIONS. THE CONTRACTOR SHALL COORDINATE INFORMATION SHOWN ON THE PLAN SHEETS WITH EXISTING RECORD INFORMATION AVAILABLE THROUGH DAA. THESE PLANS DO NOT PURPORT TO SHOW ALL EXISTING CABLES/CONCEALED UTILITIES WHICH WILL REQUIRE STAKE OUT PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY EXISTING CIRCUIT ROUTING PRIOR TO COMMENCING WORK.
16. DEMOLITION OF EXISTING SYSTEMS, INTERIM OPERATION OF REMAINING SYSTEMS, AND CONSTRUCTION OF NEW SYSTEMS SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION PHASING PLANS AND COORDINATED WITH THE OWNER'S REPRESENTATIVE.
17. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO INSTALL THE EQUIPMENT AS INDICATED ON THE DRAWINGS. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR COMPLETION OF THE WORK SHALL BE INCLUDED.
18. THE CONTRACTOR SHALL HAVE A TONE GENERATOR TYPE CABLE TRACER ON SITE AT ALL TIMES TO LOCATE EXISTING CABLES.
19. THE AUTHORITY AND FAA "LOCK/TAG/TRY" PROCEDURE AND NFPA 70E SHALL BE COMPLIED WITH BY THIS CONTRACTOR. THE CONTRACTOR SHALL MANUALLY LOCK OUT EACH CIRCUIT AT THE VAULT WHEN WORK IS BEING PERFORMED ON THE CIRCUIT. THE CIRCUIT SHALL BE TAGGED AND THE CONTRACTOR'S NAME SHALL BE CLEARLY IDENTIFIED ON EACH TAG. THE CONTRACTOR SHALL HAVE A LOCK OUT KIT ON SITE AT ALL TIMES. THE OWNER SHALL BE NOTIFIED EACH TIME A CIRCUIT IS SECURED AND EACH TIME THE CIRCUIT IS RETURNED TO REMOTE CONTROL. THE CONTRACTOR WILL DESIGNATE ONE INDIVIDUAL IN WRITING WHO WILL BE RESPONSIBLE FOR VAULT ACCESS AND FOR LOCK-OUT/TAG-OUT PROCEDURES. THE CONTRACTOR SHALL PROVIDE DAILY COORDINATION WITH THE ENGINEER FOR VAULT ACCESS AND CIRCUIT INTERRUPTION. WEATHER AND OTHER CONSIDERATION MAY PRECLUDE CIRCUIT INTERRUPTION.

ELECTRICAL ABBREVIATIONS

AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BL	BASE LINE
CKT	CIRCUIT
C/L	CENTERLINE
DAA	DUPAGE REGIONAL AIRPORT AUTHORITY
DEB	DIRECT EARTH BURIED
FAA	FEDERAL AVIATION ADMINISTRATION
HH	HANDHOLE
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
NEC	PER LATEST NATIONAL ELECTRIC CODES
NO., #	NUMBER
NTS	NOT TO SCALE
PAPI	PRECISION APPROACH PATH INDICATOR
PCC	PORTLAND CEMENT CONCRETE
PVC	POLYVINYL CHLORIDE
REILS	RUNWAY END IDENTIFIER LIGHTS
RPU	REMOTE PROCESSING UNIT
RW, R/W	RUNWAY
SCH. 40	SCHEDULE 40
SCH. 80	SCHEDULE 80
SS	SURFACE SENSOR
STA	STATION
TW, T/W	TAXIWAY
TYP., (TYP)	TYPICAL
V	VOLT
VASI	VISUAL APPROACH SLOPE INDICATOR

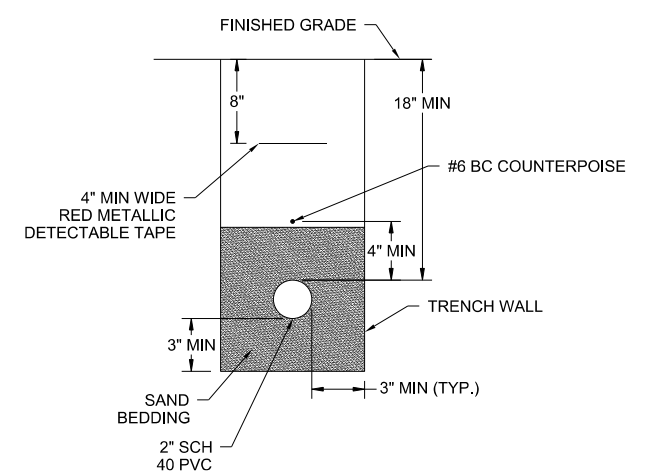
DU080



©CH2M HILL 2011. ALL RIGHTS RESERVED.

LEGEND:

- EXISTING TAXIWAY EDGE LIGHT
- EXISTING GUIDANCE SIGN
- EXISTING SEMI FLUSH RUNWAY EDGE LIGHT
- EXISTING RUNWAY EDGE LIGHT
- EXISTING RUNWAY CENTERLINE LIGHT
- EXISTING RUNWAY THRESHOLD LIGHT
- SURFACE SENSOR TYPE V CONTROL CABLE DEB
- EXISTING SURFACE SENSOR JUNCTION BOX
- EXISTING DUCTBANK
- EXISTING MANHOLE/HANDHOLE
- EXISTING REIL
- PROPOSED L-867B 24" DEEP PULL CAN
- PROPOSED IN-PAVEMENT SURFACE SENSOR
- PROPOSED SUB-SURFACE TEMPERATURE PROBE
- PROPOSED 2" SCH. 80 PVC UNDER PAVEMENT
- PROPOSED 2" SURFACE SENSOR TYPE V CONTROL CABLES IN 2" DEB CONDUIT, SEE DETAIL 1 THIS SHEET



1 DIRECT-BURIED 2" PVC CONDUIT
N.T.S.

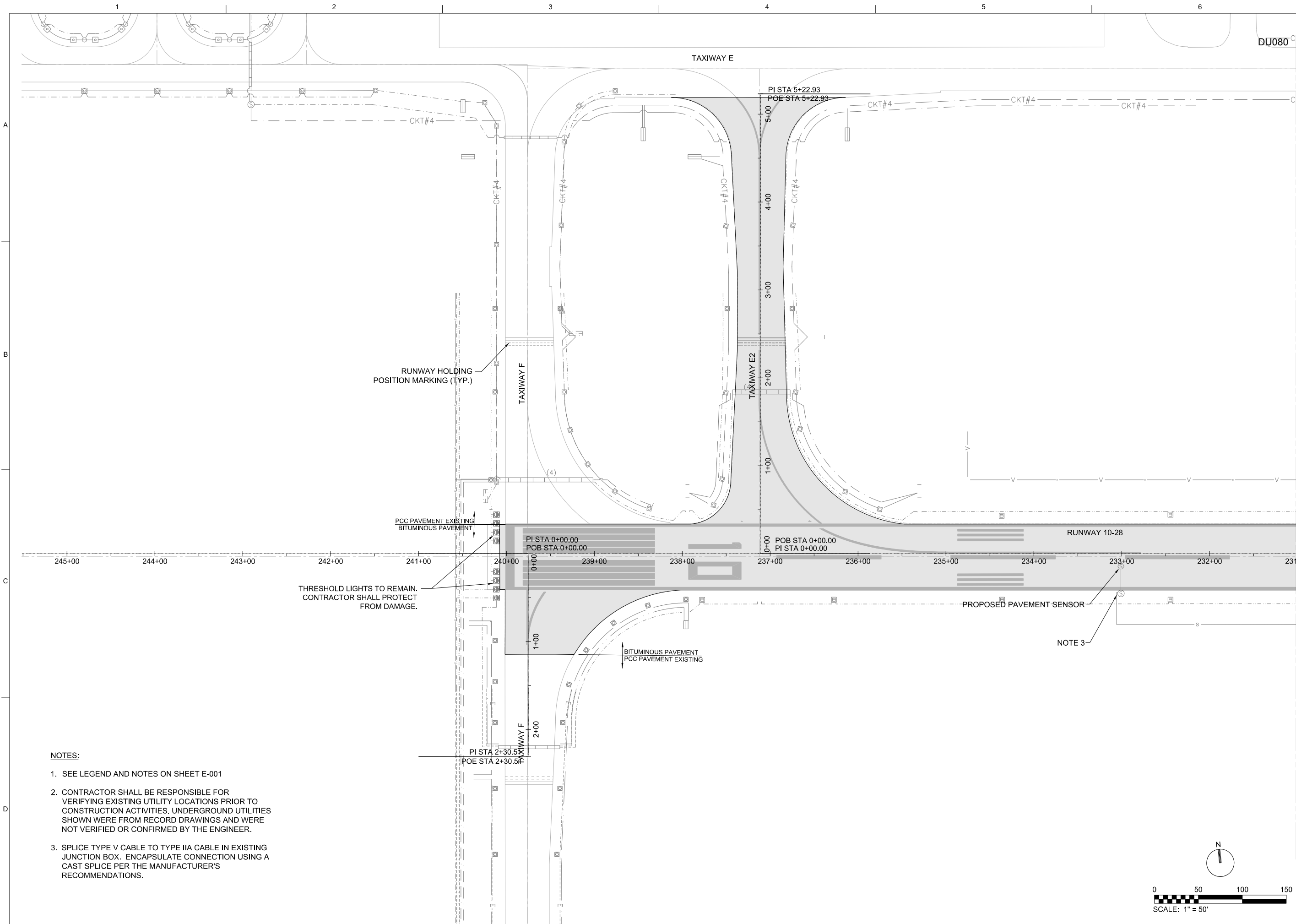
8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

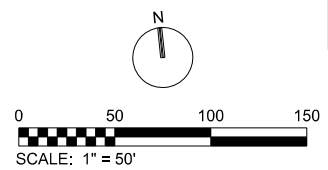
CH2MHILL®

ELECTRICAL
**ELECTRICAL NOTES
AND LEGEND**

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG E-001
SHEET 41 of 68



- NOTES:**
- SEE LEGEND AND NOTES ON SHEET E-001
 - CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION ACTIVITIES. UNDERGROUND UTILITIES SHOWN WERE FROM RECORD DRAWINGS AND WERE NOT VERIFIED OR CONFIRMED BY THE ENGINEER.
 - SPLICE TYPE V CABLE TO TYPE IIA CABLE IN EXISTING JUNCTION BOX. ENCAPSULATE CONNECTION USING A CAST SPLICE PER THE MANUFACTURER'S RECOMMENDATIONS.



MATCHLINE TO SHEET E-102

CH2MHILL®

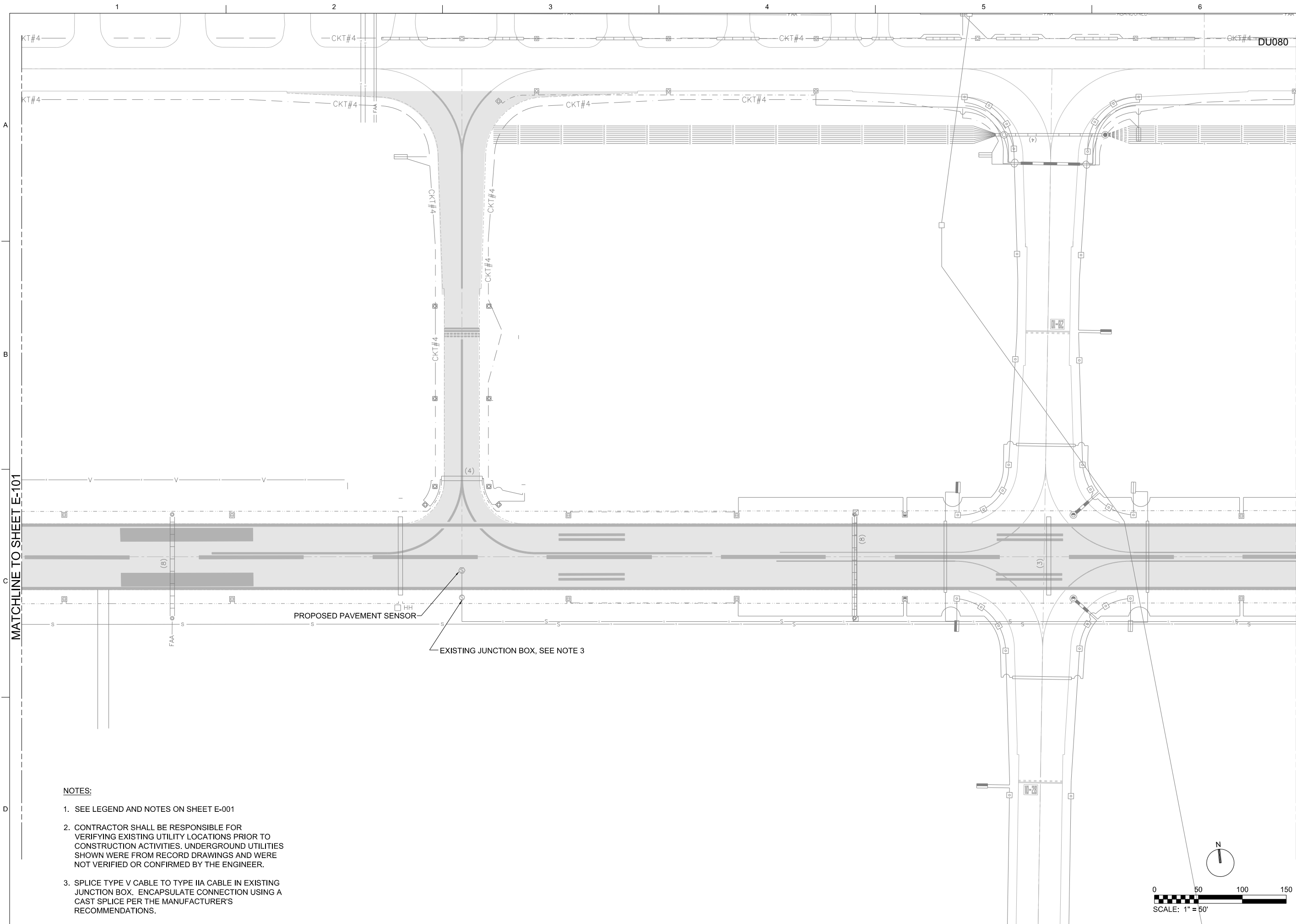
ELECTRICAL
PAVEMENT
SENSOR PLAN I

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

DATE	2012/02/03	BY	APVD	P.J.B.
PROJ	424278	ISSUE FOR BID	REVISION	CHK
DWG	E-101	NO.	DATE	2012/09/21
SHEET	42 of 68	DR	SMJ	HF

DU080
DUPAGE AIRPORT AUTHORITY
©CH2M HILL 2011. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.



- NOTES:**
1. SEE LEGEND AND NOTES ON SHEET E-001
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION ACTIVITIES. UNDERGROUND UTILITIES SHOWN WERE FROM RECORD DRAWINGS AND WERE NOT VERIFIED OR CONFIRMED BY THE ENGINEER.
 3. SPLICE TYPE V CABLE TO TYPE IIA CABLE IN EXISTING JUNCTION BOX. ENCAPSULATE CONNECTION USING A CAST SPLICE PER THE MANUFACTURER'S RECOMMENDATIONS.



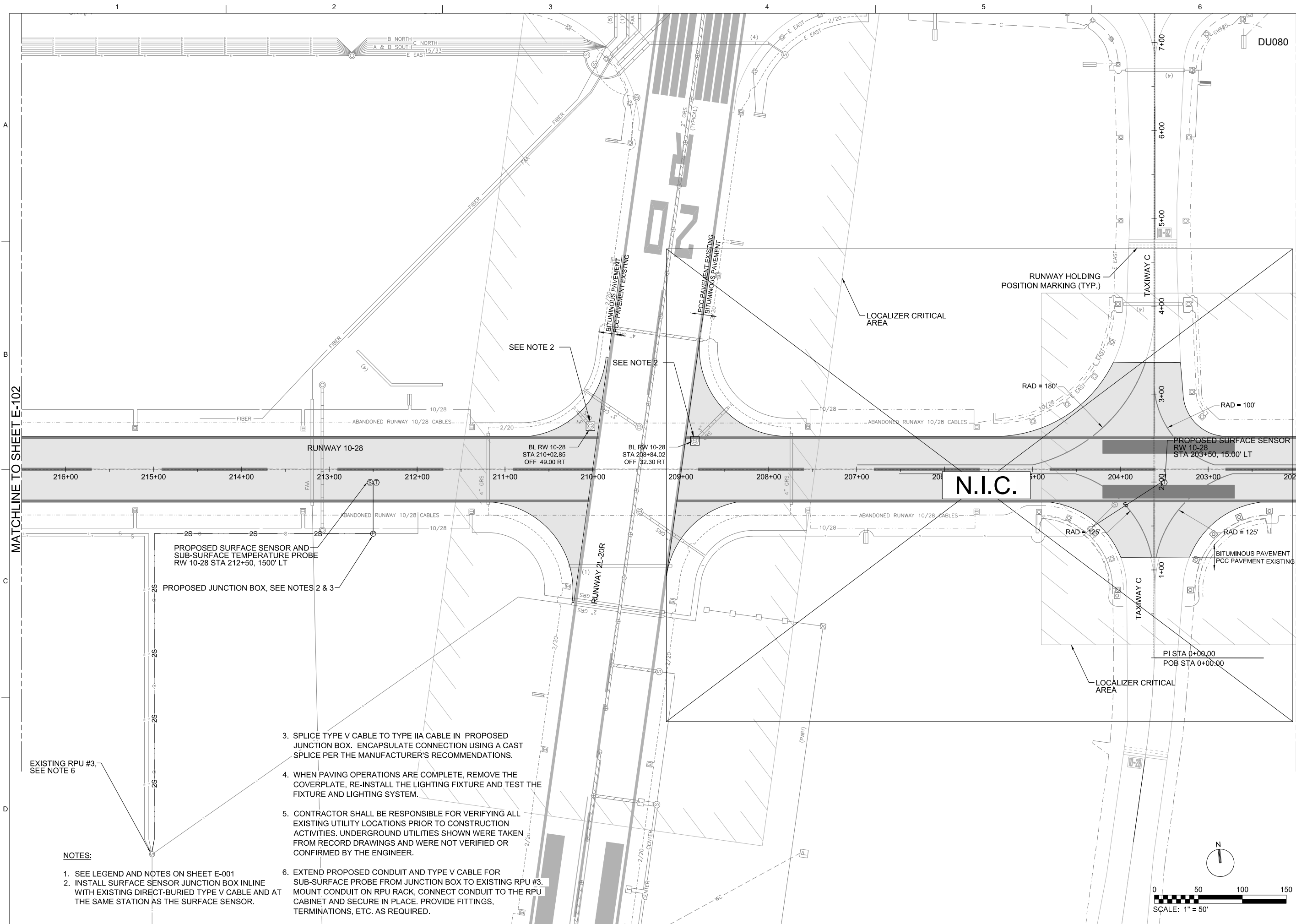
NO.	DATE	BY	CHK	APVD
2012/09/21				
DSGN		DR	SMJ	PJB
			HF	
				APVD
				PJB

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

CH2MHILL®	
ELECTRICAL	
PAVEMENT SENSOR PLAN II	
AS SHOWN	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2012/02/03
PROJ	424278
DWG	E-102
SHEET	43 of 68

©CH2M HILL 2011. ALL RIGHTS RESERVED.
 REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.



MATCHLINE TO SHEET E-102

MATCHLINE TO SHEET E-104

NOTES:

1. SEE LEGEND AND NOTES ON SHEET E-001
2. INSTALL SURFACE SENSOR JUNCTION BOX IN LINE WITH EXISTING DIRECT-BURIED TYPE V CABLE AND AT THE SAME STATION AS THE SURFACE SENSOR.
3. SPLICE TYPE V CABLE TO TYPE IIA CABLE IN PROPOSED JUNCTION BOX. ENCAPSULATE CONNECTION USING A CAST SPLICE PER THE MANUFACTURER'S RECOMMENDATIONS.
4. WHEN PAVING OPERATIONS ARE COMPLETE, REMOVE THE COVERPLATE, RE-INSTALL THE LIGHTING FIXTURE AND TEST THE FIXTURE AND LIGHTING SYSTEM.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION ACTIVITIES. UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM RECORD DRAWINGS AND WERE NOT VERIFIED OR CONFIRMED BY THE ENGINEER.
6. EXTEND PROPOSED CONDUIT AND TYPE V CABLE FOR SUB-SURFACE PROBE FROM JUNCTION BOX TO EXISTING RPU #3. MOUNT CONDUIT ON RPU RACK, CONNECT CONDUIT TO THE RPU CABINET AND SECURE IN PLACE. PROVIDE FITTINGS, TERMINATIONS, ETC. AS REQUIRED.

EXISTING RPU #3, SEE NOTE 6



NO.	DATE	REVISION	BY
2012/09/21		ISSUE FOR BID	APVD
		CHK	APVD
		DR	APVD
		SMJ	PJB
		HF	PJB

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

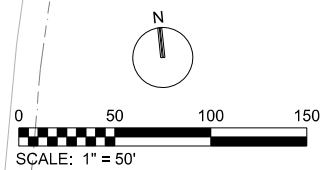
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL®

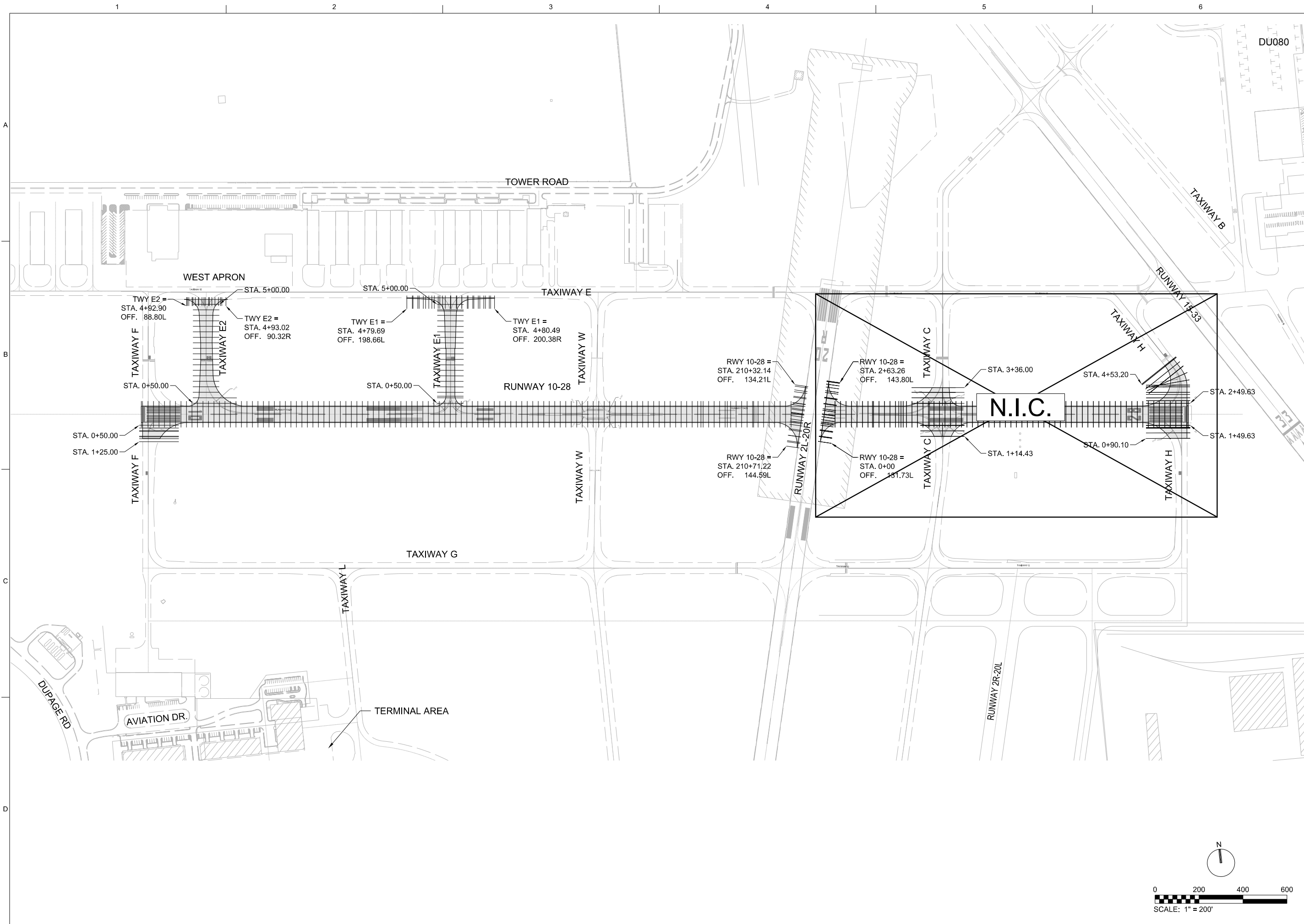
ELECTRICAL
**PAVEMENT
SENSOR PLAN III**

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1" 1"

DATE 2012/02/03
PROJ 424278
DWG E-103
SHEET 44 of 68



REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2MHILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL. ©CH2MHILL 2011. ALL RIGHTS RESERVED.



NO.	DATE	DSGN	DR	CHK	REVISION	ISSUE FOR BID
2012/09/21						
BY	APVD	BY	APVD	BY	APVD	MV

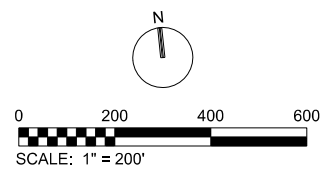
8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL[®]
CIVIL

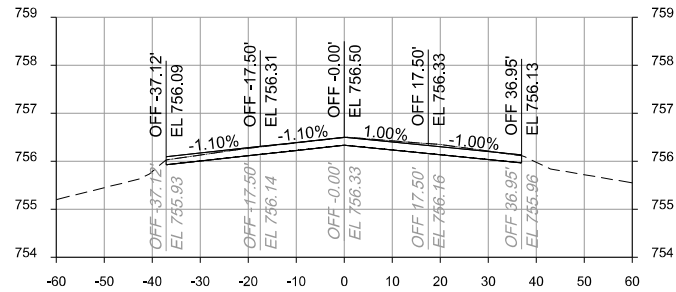
**CROSS SECTION
LAYOUT PLAN**

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-500
SHEET 46 of 68



REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2MHILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL. ©CH2MHILL 2011. ALL RIGHTS RESERVED.

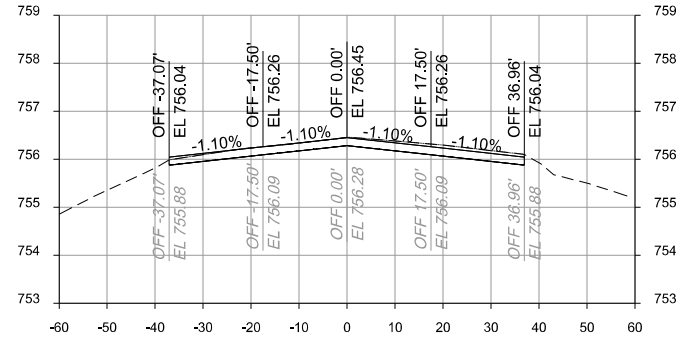
A



AREA MILLING: 12.3 SQFT
 AREA P-401: 12.3 SQFT
 AREA P-403: 0.0 SQFT

211+25.00

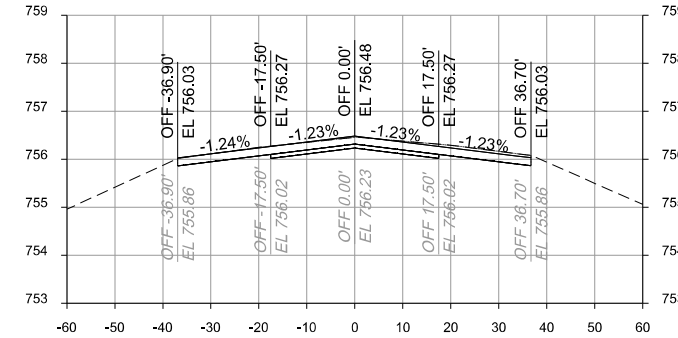
VOL MILLING: 10.8 CYD
 VOL P-401: 11.6 CYD
 VOL P-403: 0.0 CYD



AREA MILLING: 13.8 SQFT
 AREA P-401: 12.3 SQFT
 AREA P-403: 0.0 SQFT

212+20.00

VOL MILLING: 10.2 CYD
 VOL P-401: 9.1 CYD
 VOL P-403: 0.0 CYD

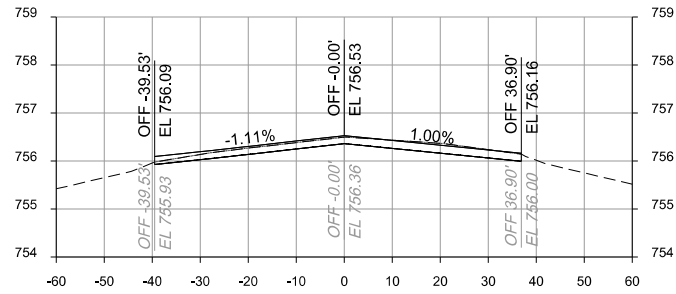


AREA MILLING: 16.2 SQFT
 AREA P-401: 12.3 SQFT
 AREA P-403: 2.9 SQFT

213+00.00

VOL MILLING: 14.0 CYD
 VOL P-401: 11.4 CYD
 VOL P-403: 1.3 CYD

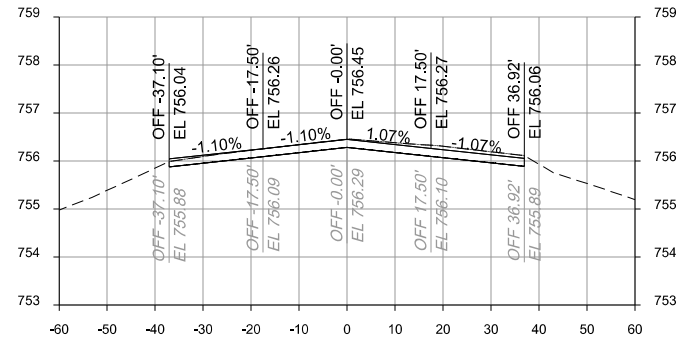
B



AREA MILLING: 11.1 SQFT
 AREA P-401: 12.7 SQFT
 AREA P-403: 0.0 SQFT

211+00.00

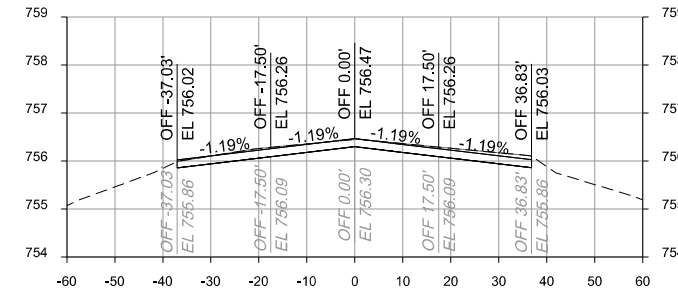
VOL MILLING: 12.3 CYD
 VOL P-401: 12.7 CYD
 VOL P-403: 0.0 CYD



AREA MILLING: 13.8 SQFT
 AREA P-401: 12.3 SQFT
 AREA P-403: 0.0 SQFT

212+00.00

VOL MILLING: 12.8 CYD
 VOL P-401: 11.4 CYD
 VOL P-403: 0.0 CYD

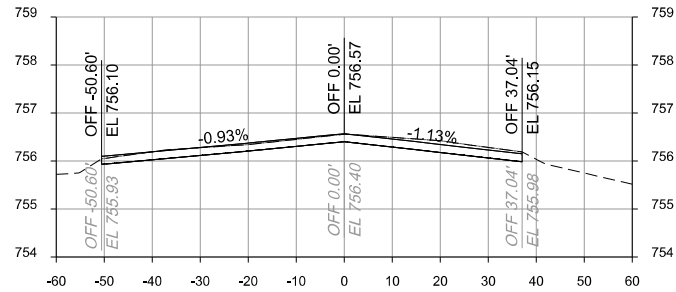


AREA MILLING: 14.0 SQFT
 AREA P-401: 12.3 SQFT
 AREA P-403: 0.0 SQFT

212+75.00

VOL MILLING: 13.0 CYD
 VOL P-401: 11.4 CYD
 VOL P-403: 0.0 CYD

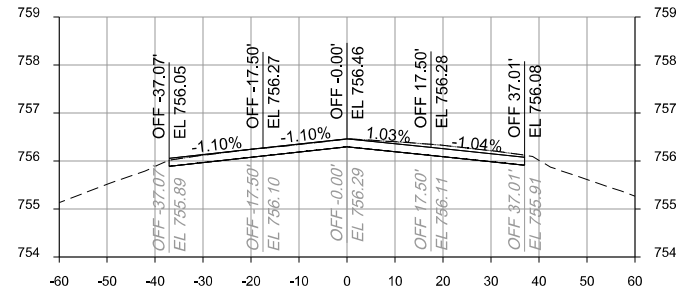
C



AREA MILLING: 15.5 SQFT
 AREA P-401: 14.6 SQFT
 AREA P-403: 0.0 SQFT

210+75.00

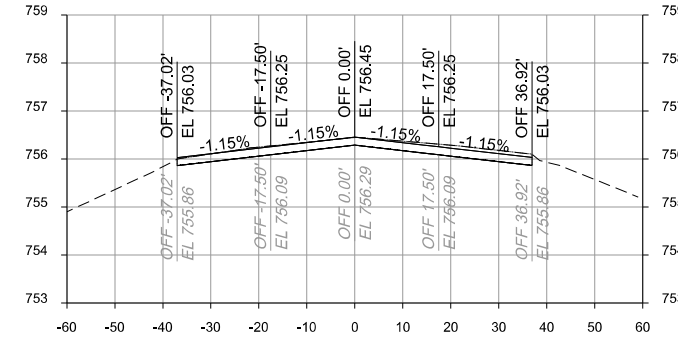
VOL MILLING: 14.4 CYD
 VOL P-401: 14.7 CYD
 VOL P-403: 0.0 CYD



AREA MILLING: 13.8 SQFT
 AREA P-401: 12.3 SQFT
 AREA P-403: 0.0 SQFT

211+75.00

VOL MILLING: 12.2 CYD
 VOL P-401: 11.4 CYD
 VOL P-403: 0.0 CYD

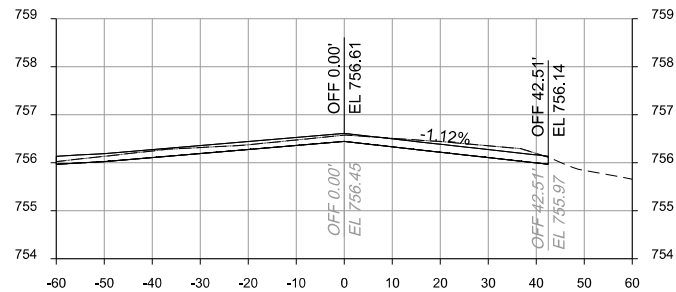


AREA MILLING: 14.2 SQFT
 AREA P-401: 12.3 SQFT
 AREA P-403: 0.0 SQFT

212+50.00

VOL MILLING: 13.1 CYD
 VOL P-401: 11.4 CYD
 VOL P-403: 0.0 CYD

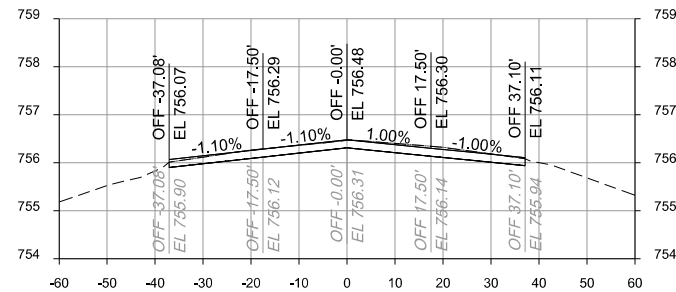
D



AREA MILLING: 15.6 SQFT
 AREA P-401: 17.1 SQFT
 AREA P-403: 0.0 SQFT

210+50.00

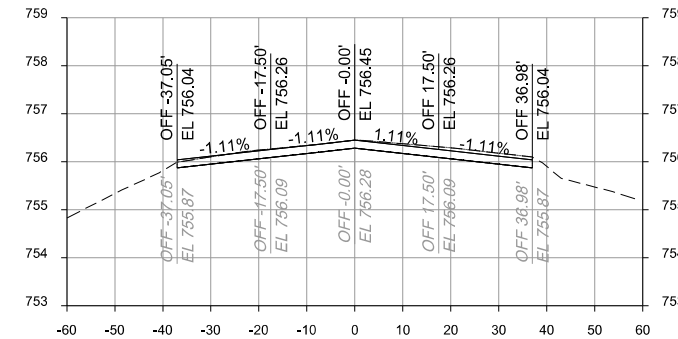
VOL MILLING: 0.0 CYD
 VOL P-401: 0.0 CYD
 VOL P-403: 0.0 CYD



AREA MILLING: 12.6 SQFT
 AREA P-401: 12.4 SQFT
 AREA P-403: 0.0 SQFT

211+50.00

VOL MILLING: 11.5 CYD
 VOL P-401: 11.4 CYD
 VOL P-403: 0.0 CYD



AREA MILLING: 14.0 SQFT
 AREA P-401: 12.3 SQFT
 AREA P-403: 0.0 SQFT

212+25.00

VOL MILLING: 2.6 CYD
 VOL P-401: 2.3 CYD
 VOL P-403: 0.0 CYD

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

CH2MHILL®

CIVIL
 CROSS SECTIONS
 PROFILES
 RUNWAY

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-501
SHEET 47 of 68

REUSE OF DOCUMENTS: THE DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.

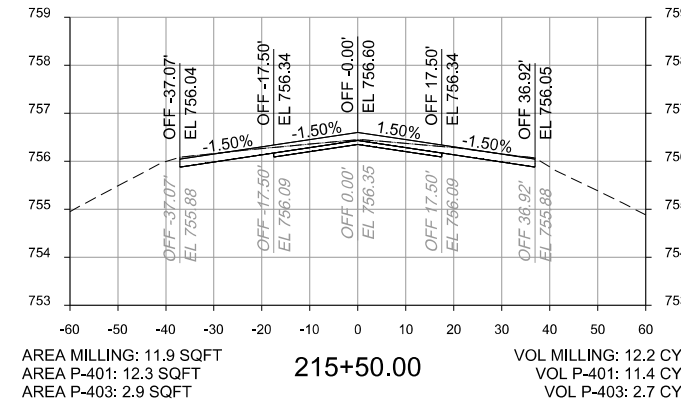
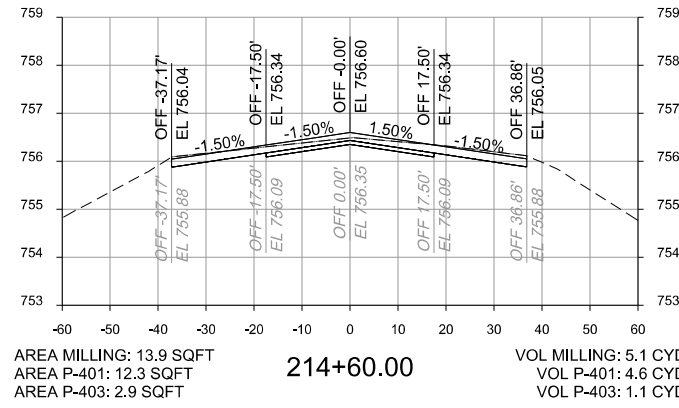
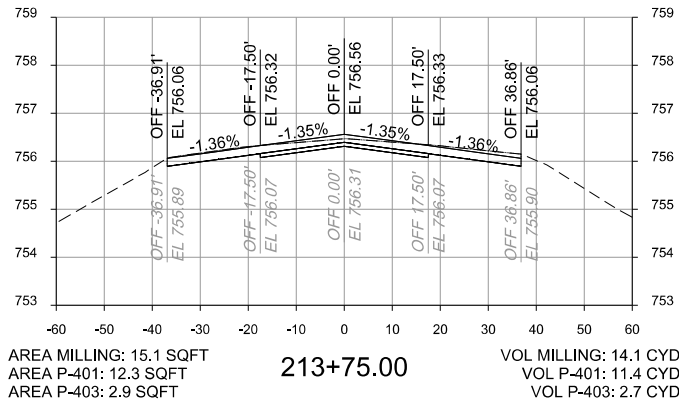
© CH2M HILL 2011. ALL RIGHTS RESERVED.

DU080

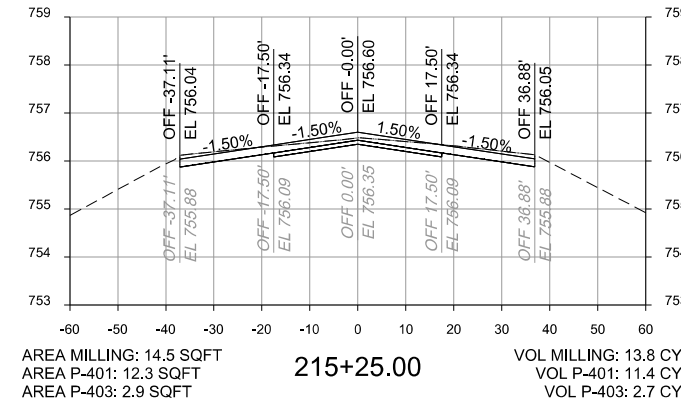
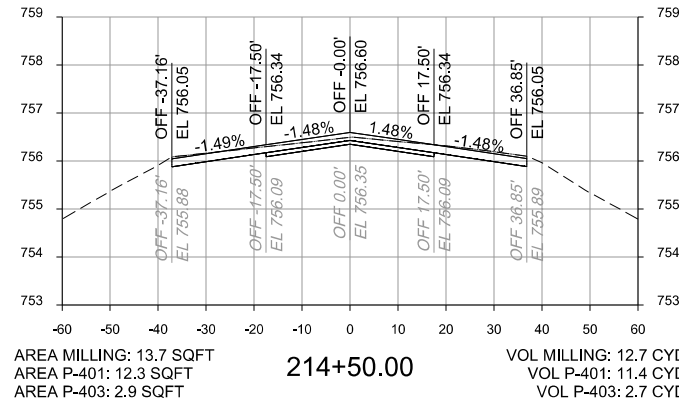
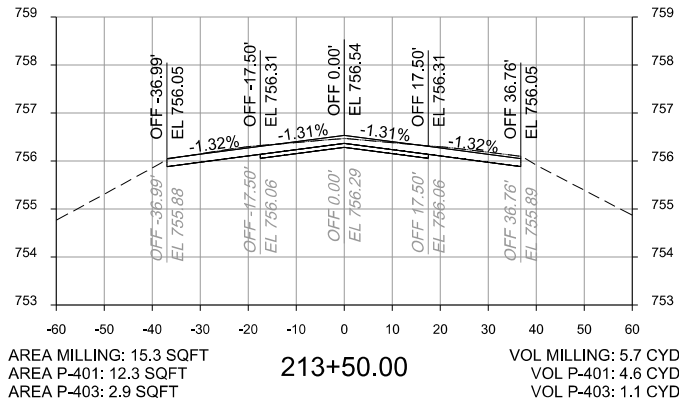


© CH2M HILL 2011. ALL RIGHTS RESERVED.

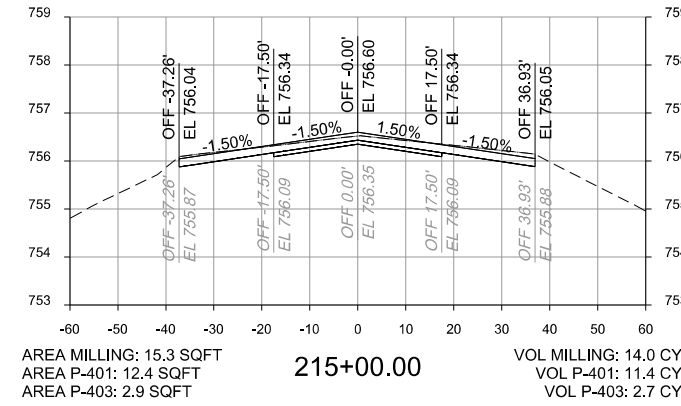
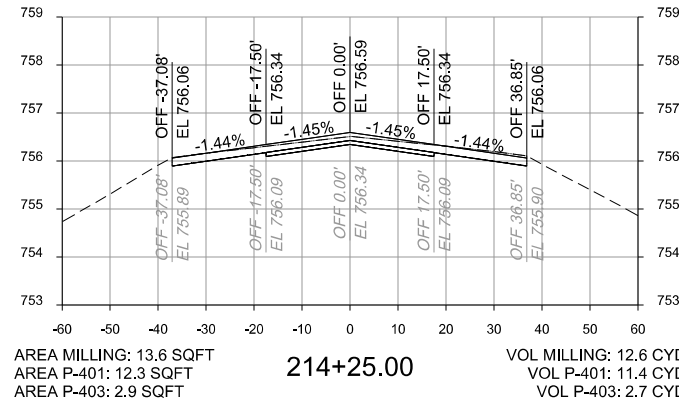
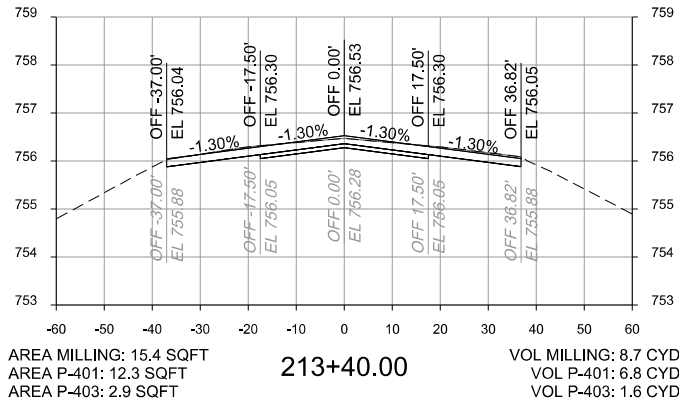
A



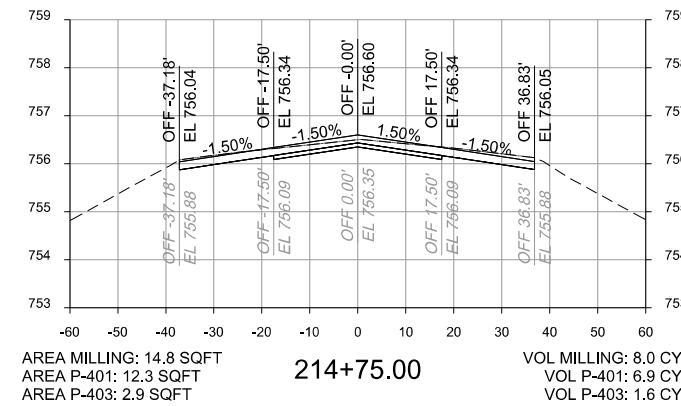
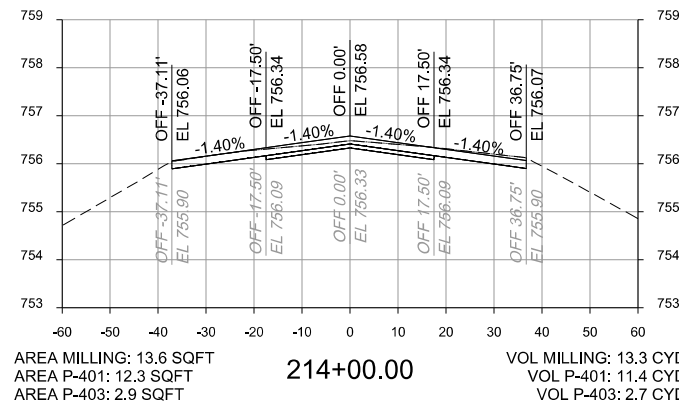
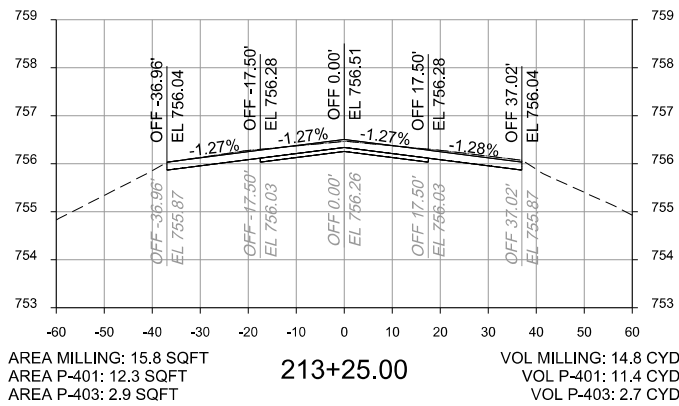
B



C



D



8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS



CIVIL
CROSS SECTIONS
PROFILES
RUNWAY

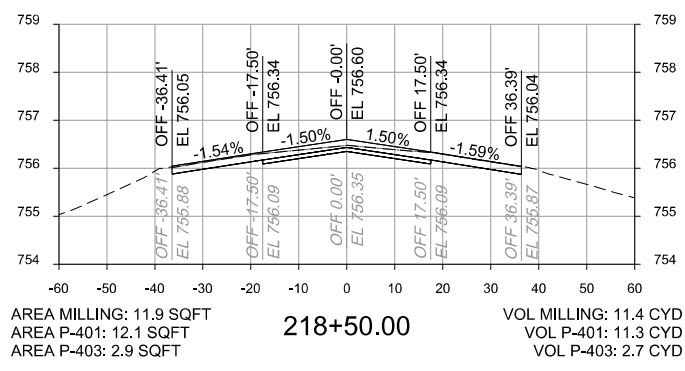
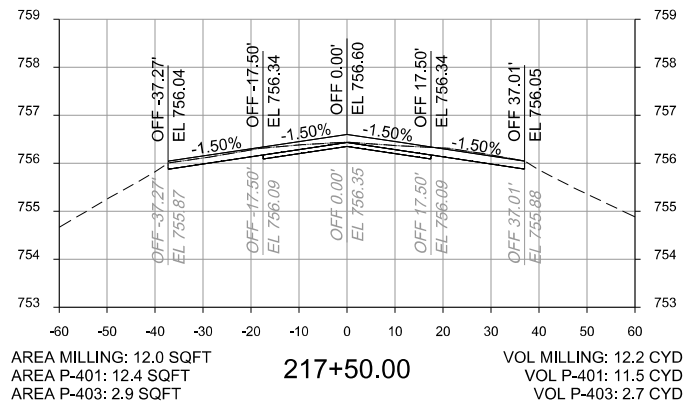
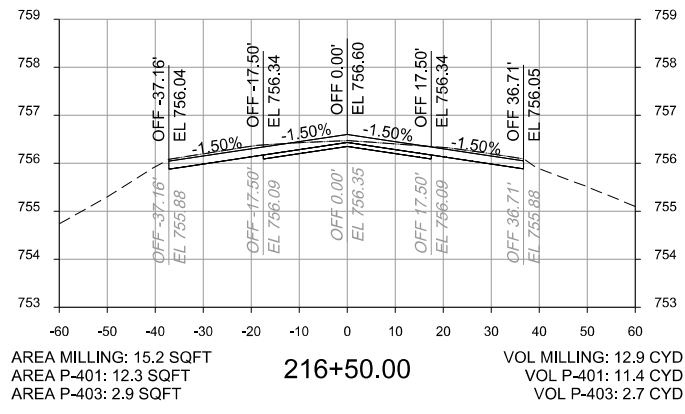
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-502
SHEET 48 of 68

REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.

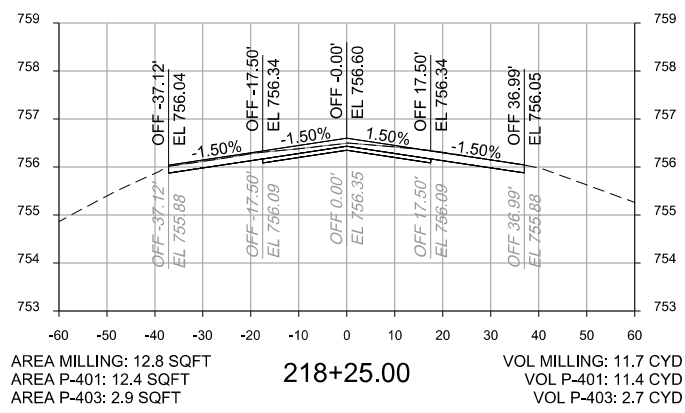
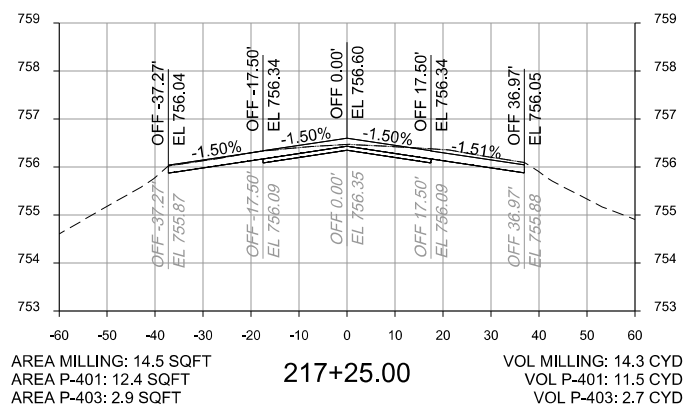
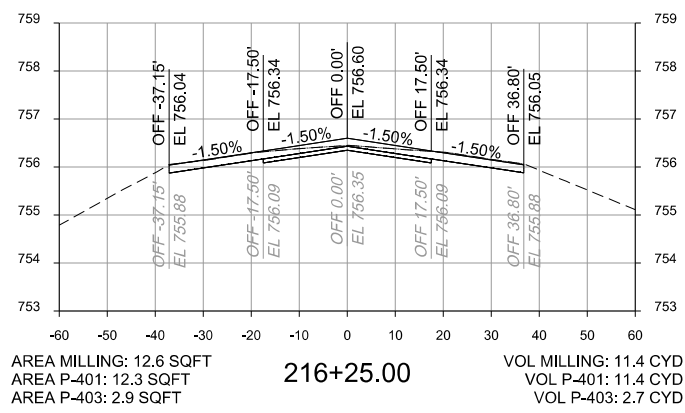
DU080



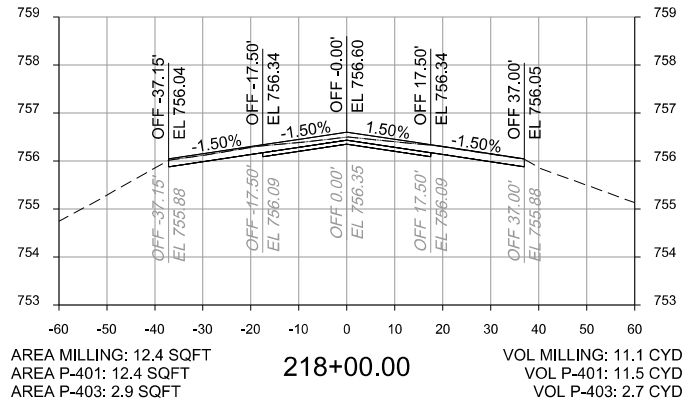
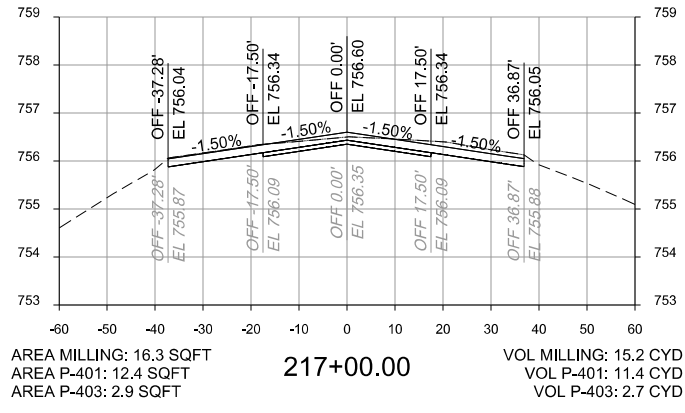
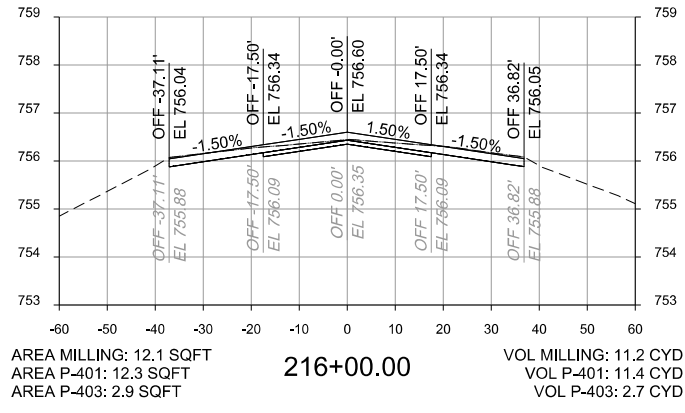
A



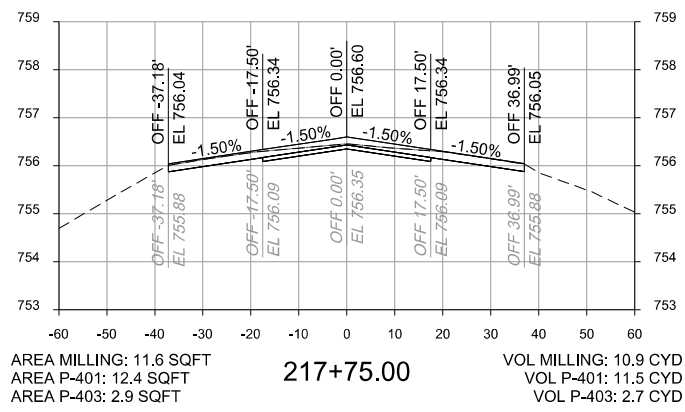
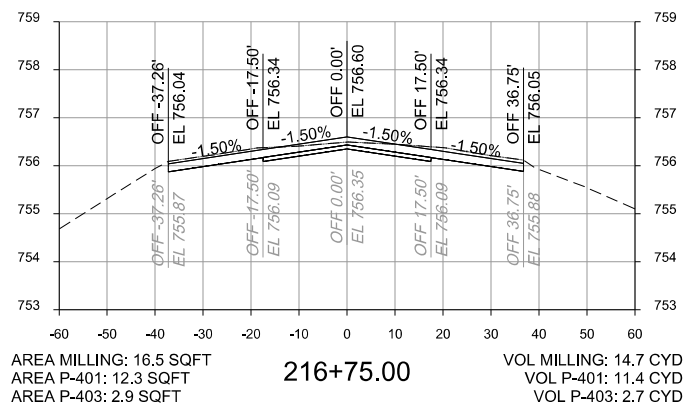
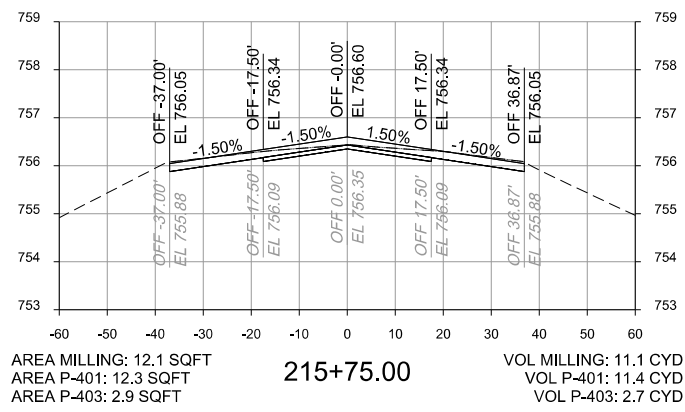
B



C



D



8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS



CIVIL
 CROSS SECTIONS
 PROFILES
 RUNWAY

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-503
SHEET 49 of 68

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2MHILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL.

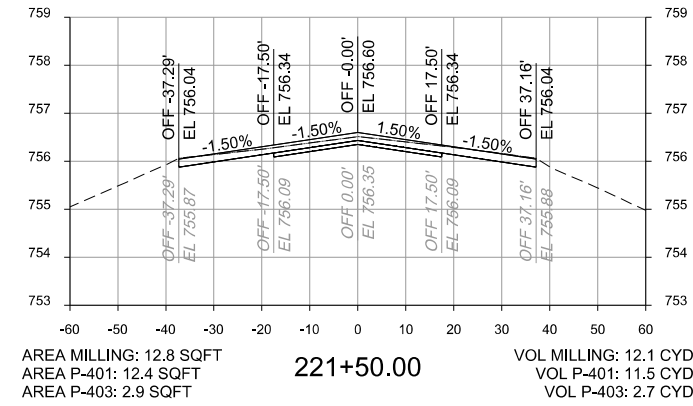
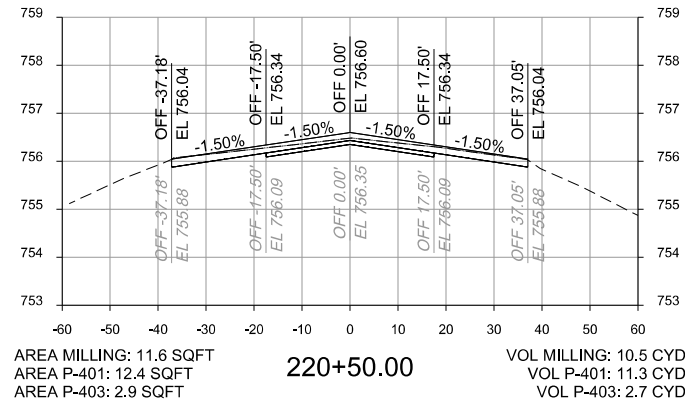
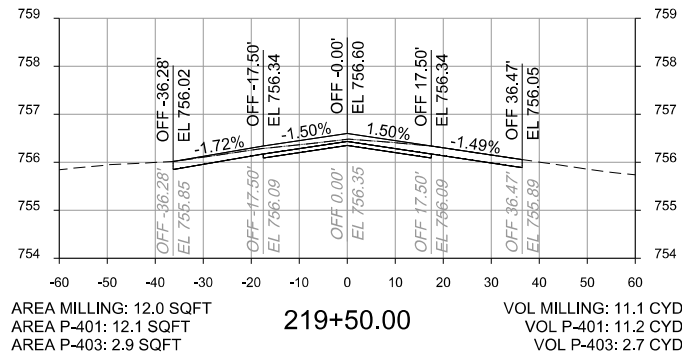
© CH2M HILL 2011. ALL RIGHTS RESERVED.

DU080

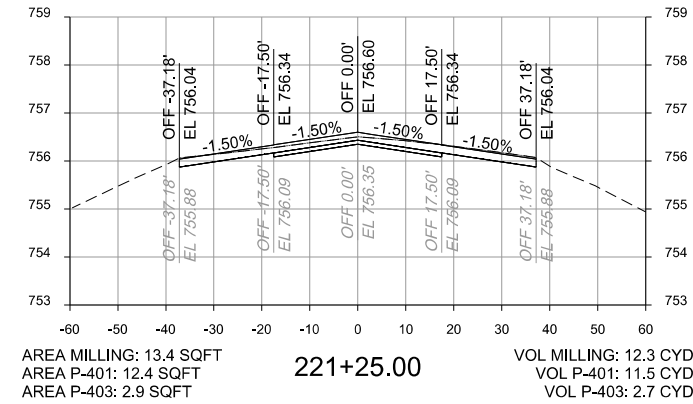
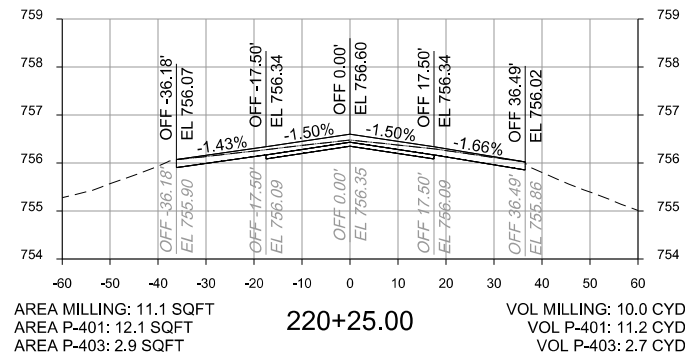
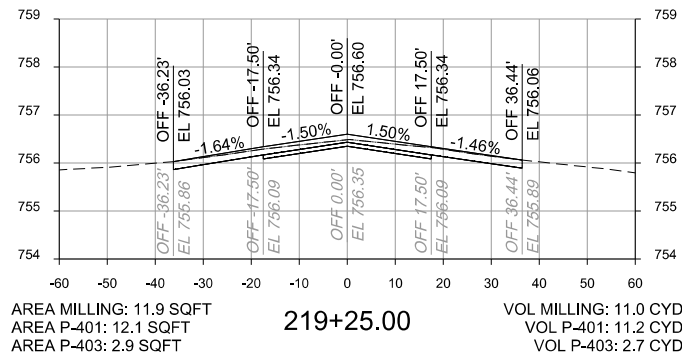


© CH2M HILL 2011. ALL RIGHTS RESERVED.

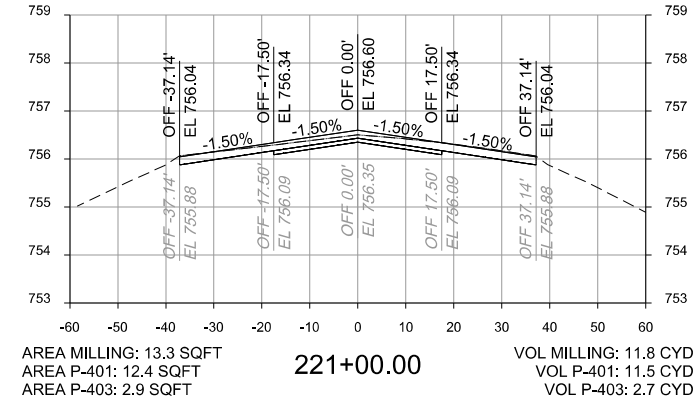
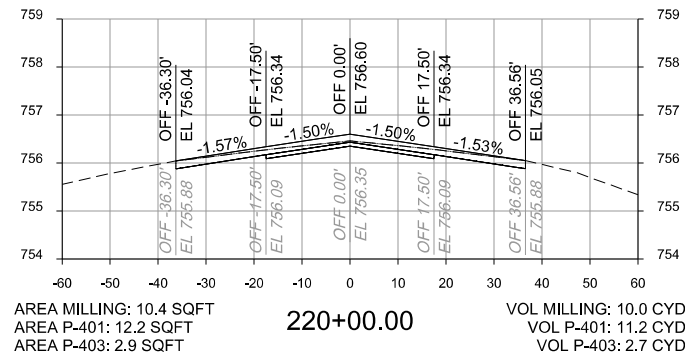
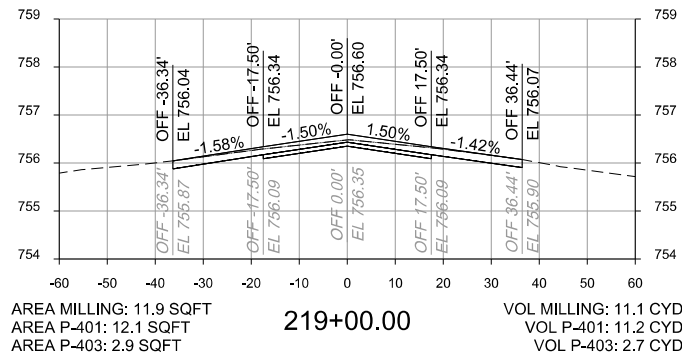
A



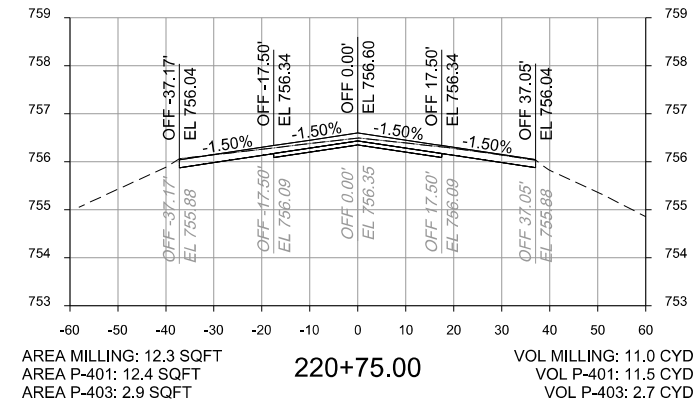
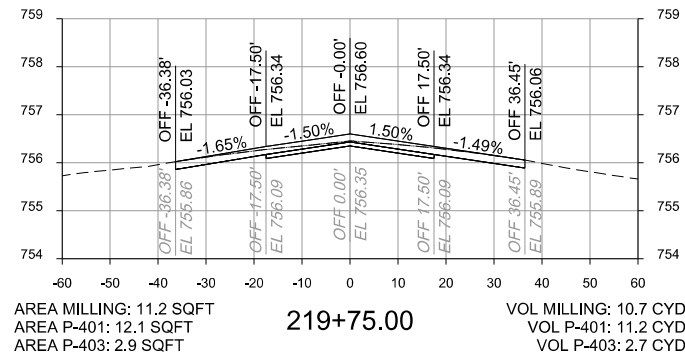
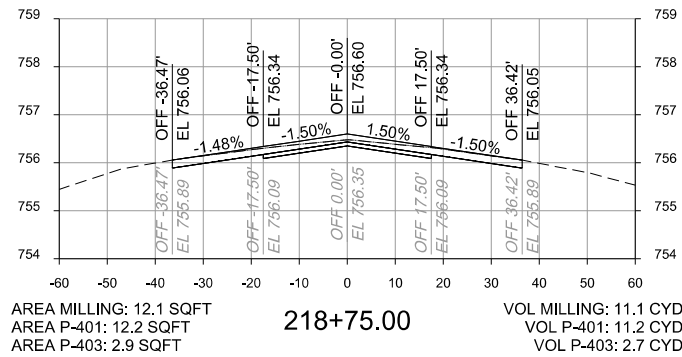
B



C



D



NO.	DATE	DR	CHK	APVD	MV
2012/09/21		JA	JA	JJ	
ISSUE FOR BID			REVISION	BY	APVD
			CHK		

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

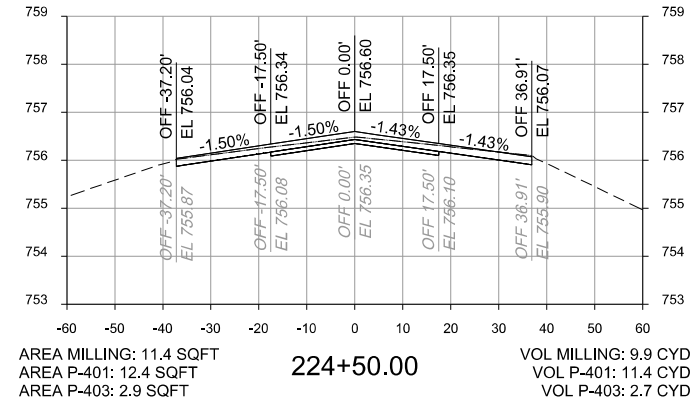
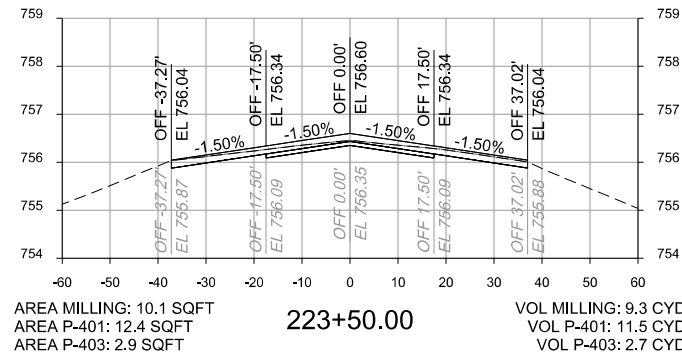
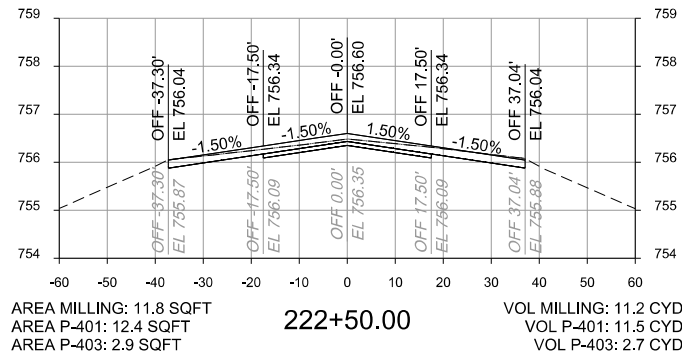
RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

CH2MHILL®

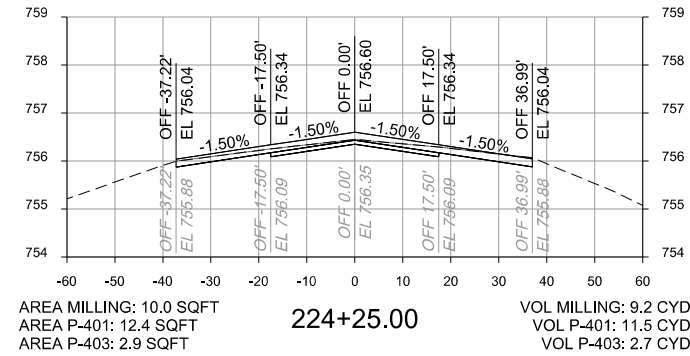
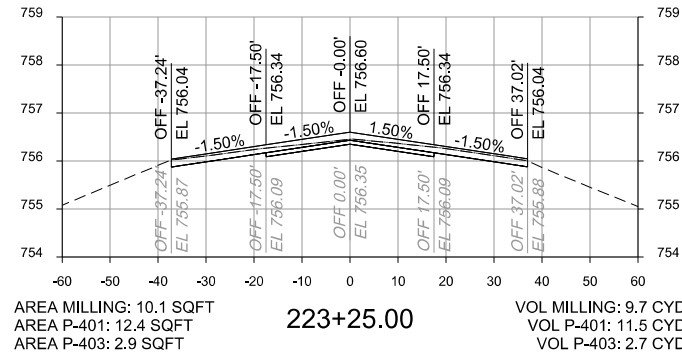
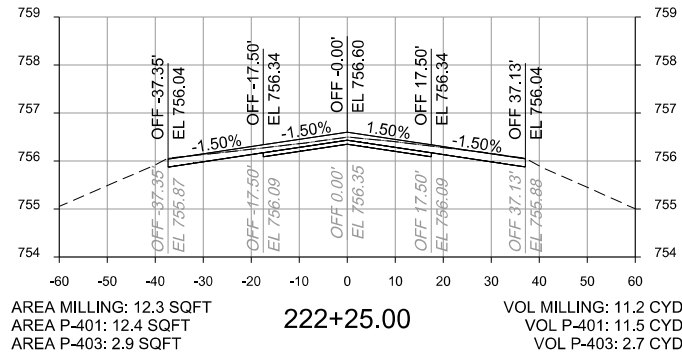
CIVIL
**CROSS SECTIONS
 PROFILES
 RUNWAY**

AS SHOWN	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2012/02/03
PROJ	424278
DWG	X-504
SHEET	50 of 68

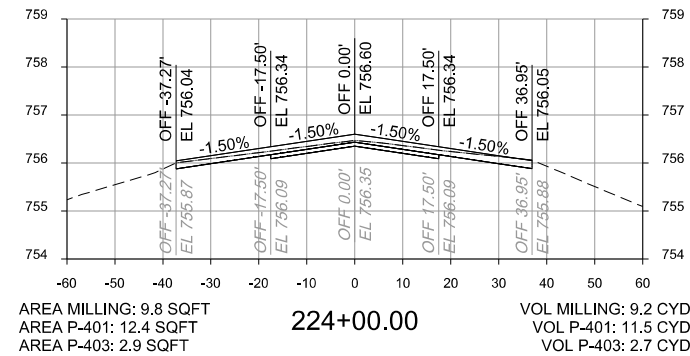
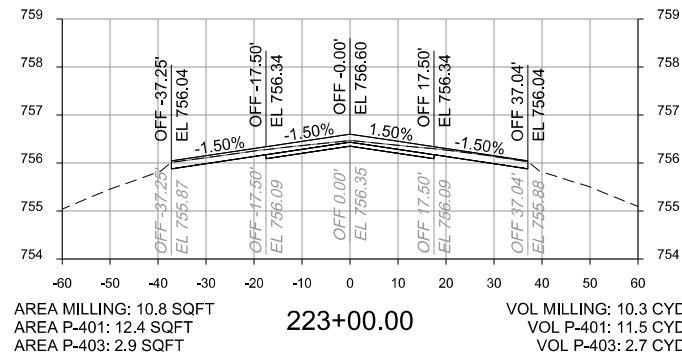
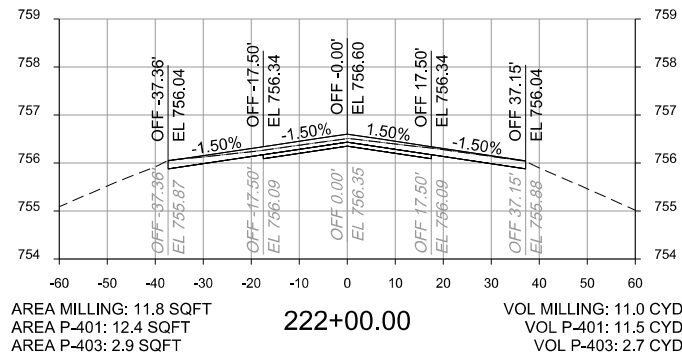
A



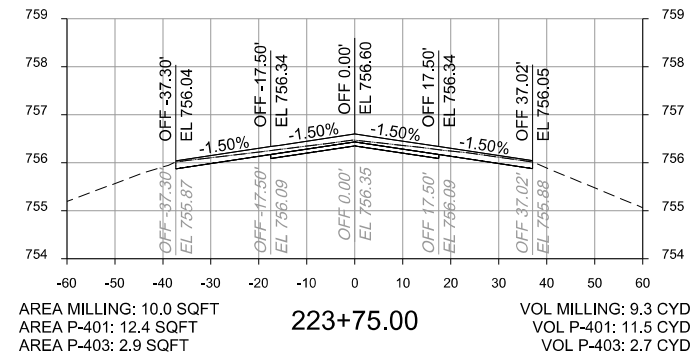
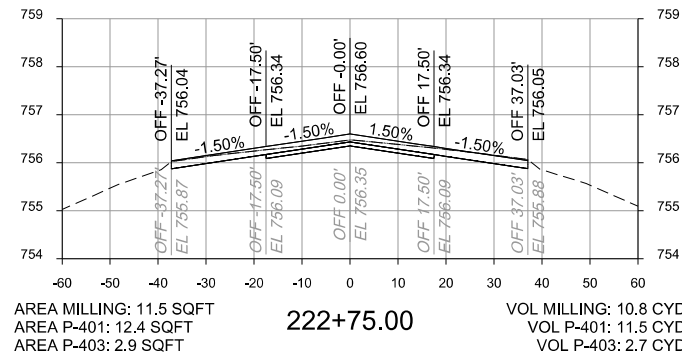
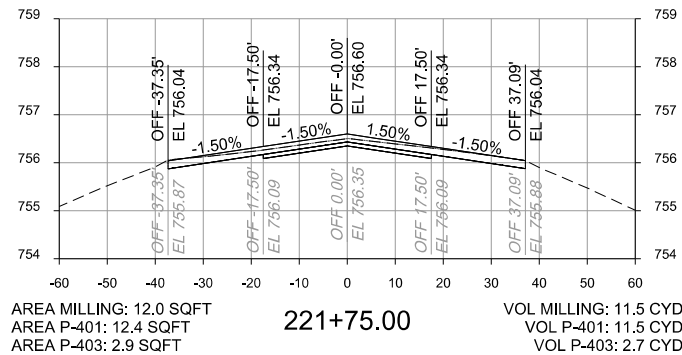
B



C



D



ISSUE FOR BID	APVD	MV
REVISION	BY	APVD
NO.	DATE	DR
2012/08/21		JA
CHG	JA	DR
CHK	JA	DR

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

AS SHOWN	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2012/02/03
PROJ	424278
DWG	X-505
SHEET	51 of 68

CH2MHILL[®]

CIVIL

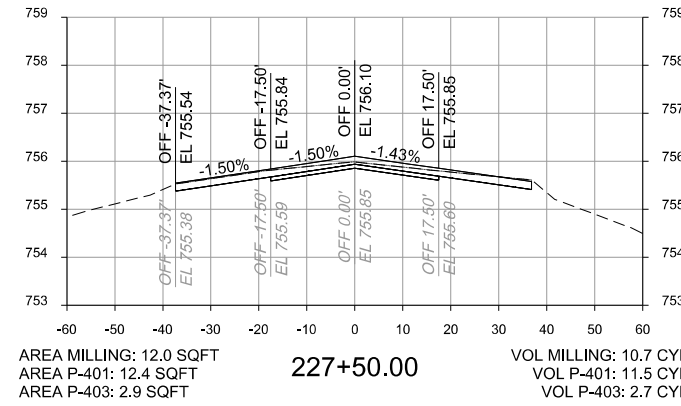
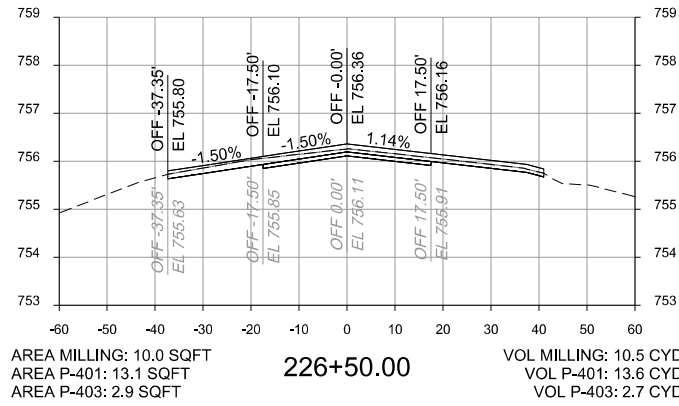
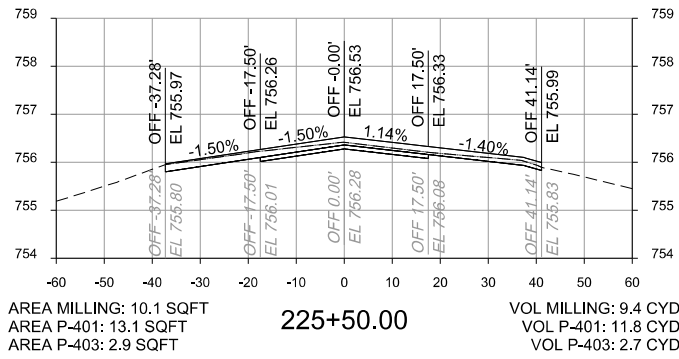
CROSS SECTIONS
PROFILES
RUNWAY

DU080

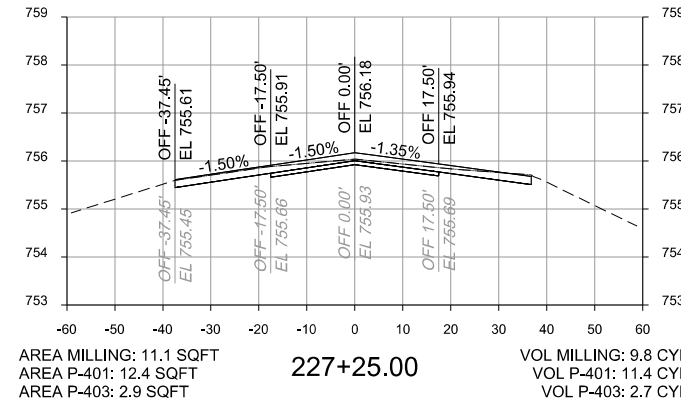
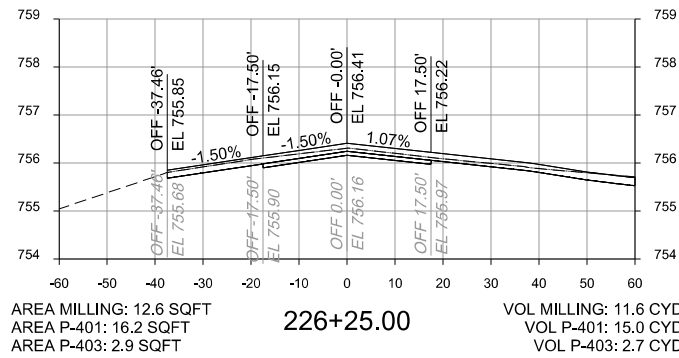
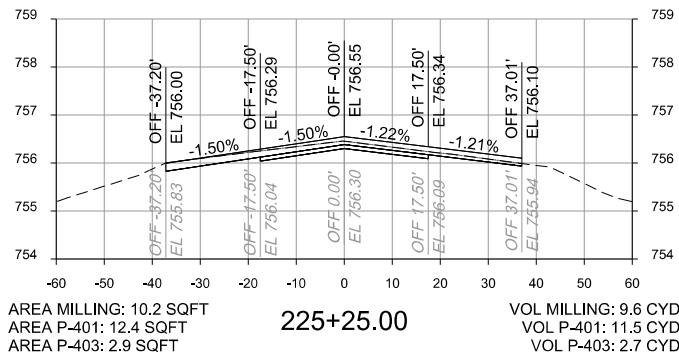


© CH2M HILL 2011. ALL RIGHTS RESERVED.

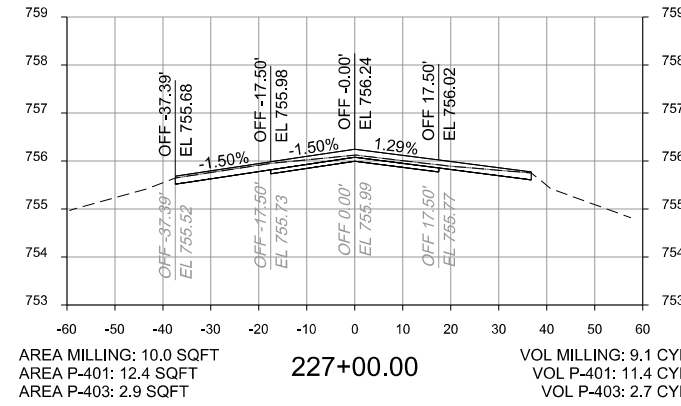
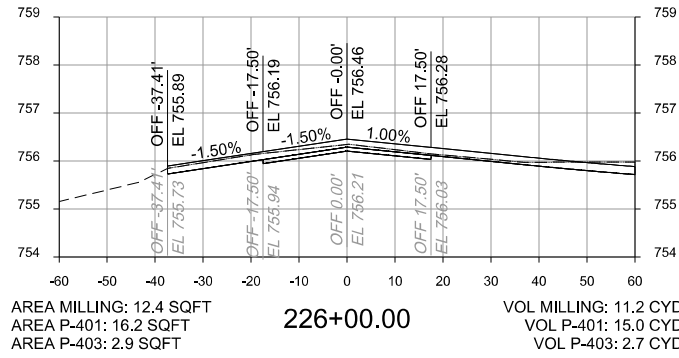
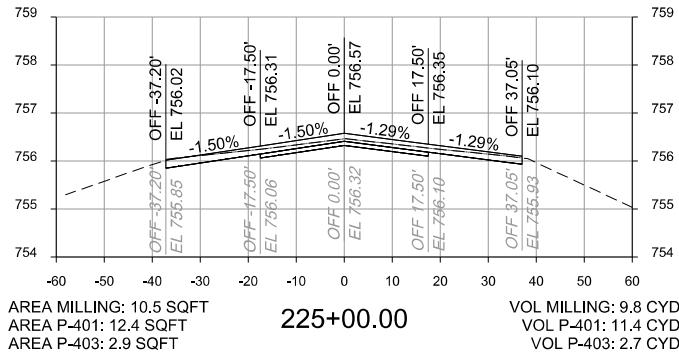
A



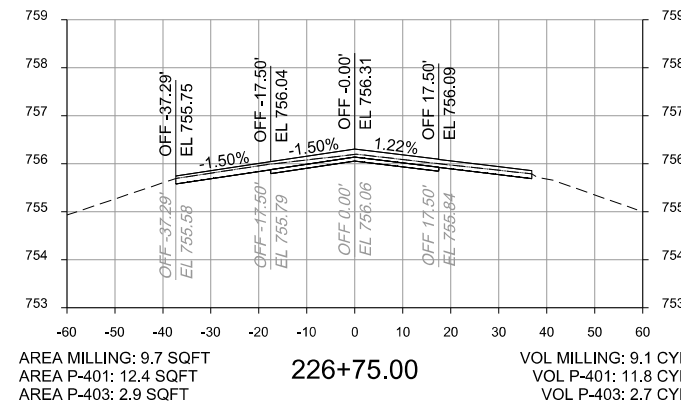
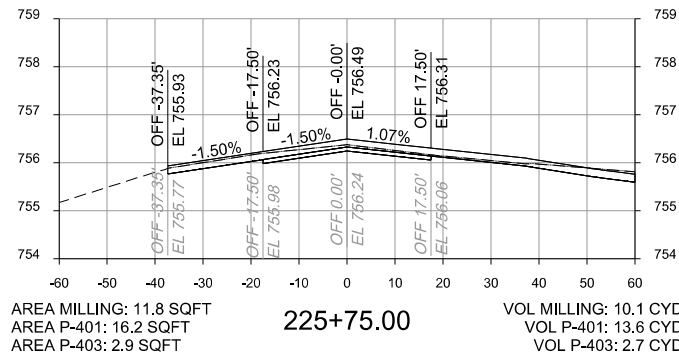
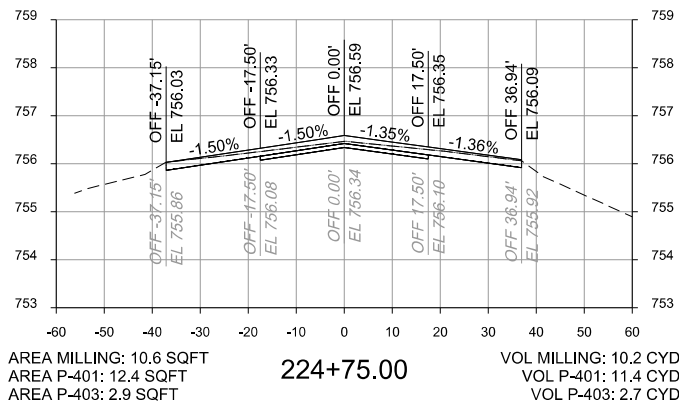
B



C



D



NO.	DATE	DR	CHK	APVD	MV
2012/09/21		JA	JA	JJ	
ISSUE FOR BID			REVISION	BY	APVD

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

CH2MHILL®

CIVIL
**CROSS SECTIONS
 PROFILES
 RUNWAY**

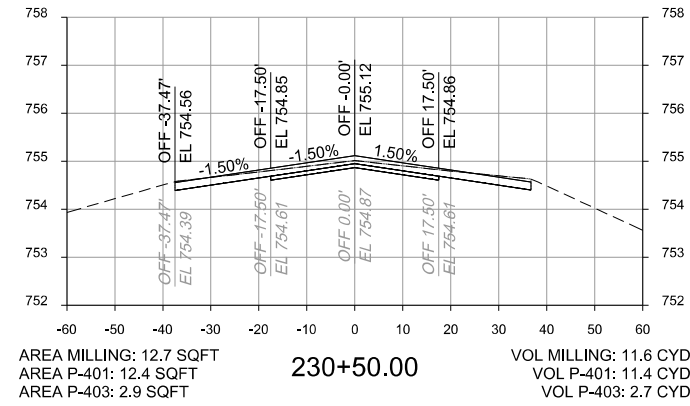
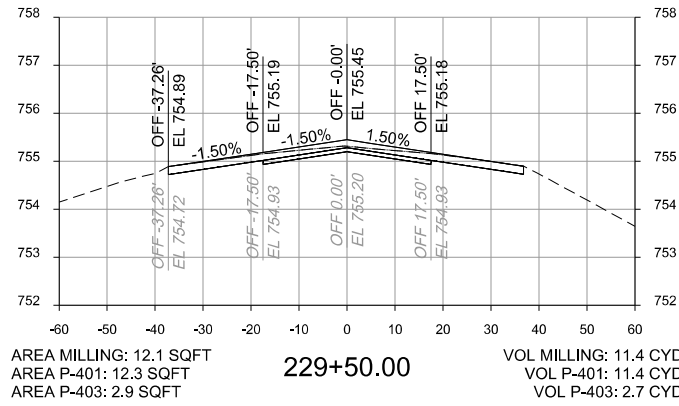
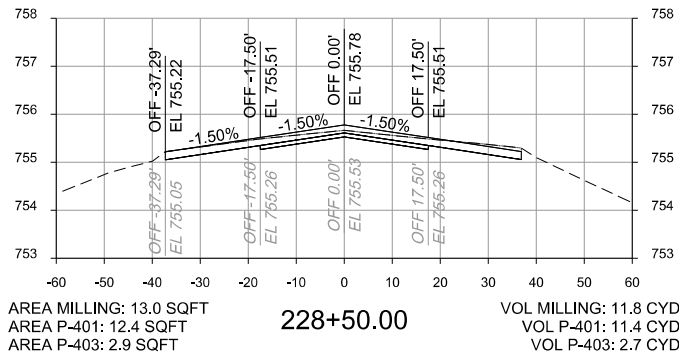
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-506
SHEET 52 of 68

DU080

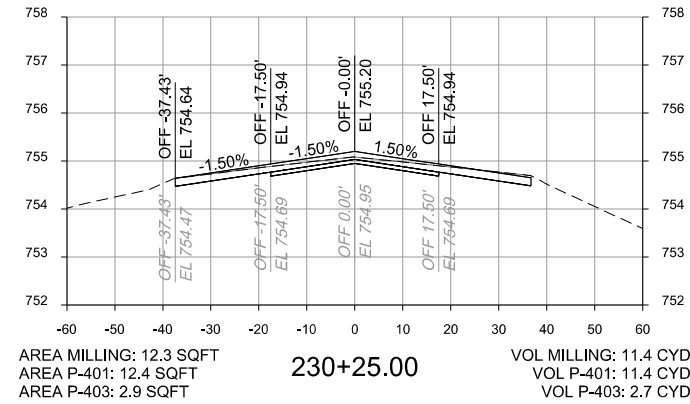
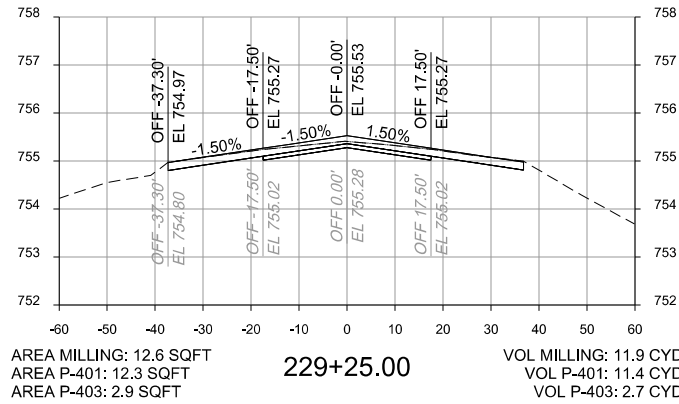
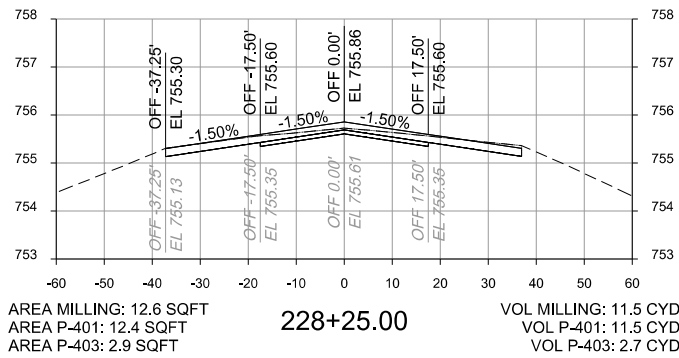


© CH2M HILL 2011. ALL RIGHTS RESERVED.

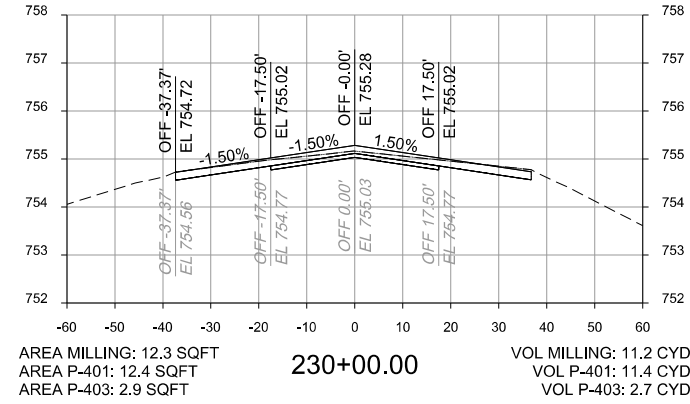
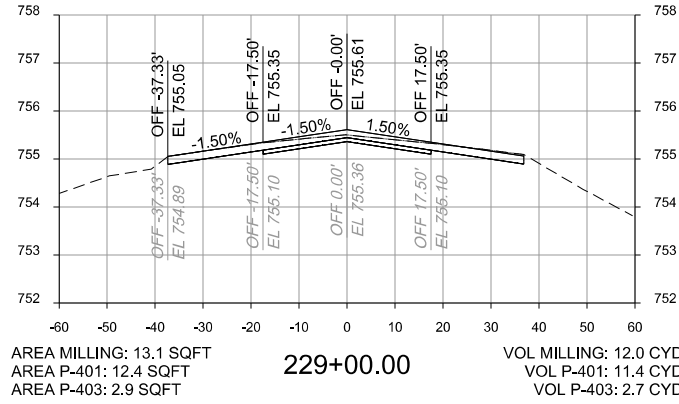
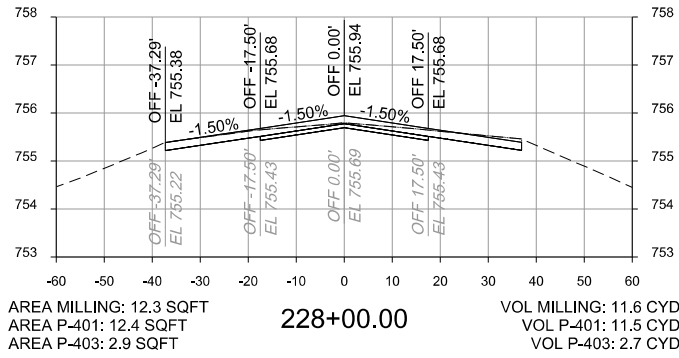
A



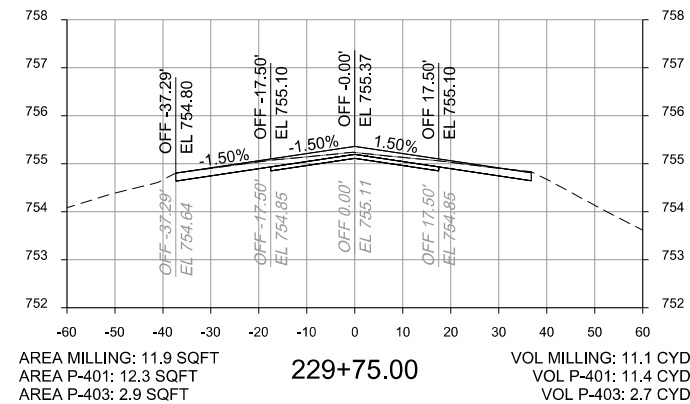
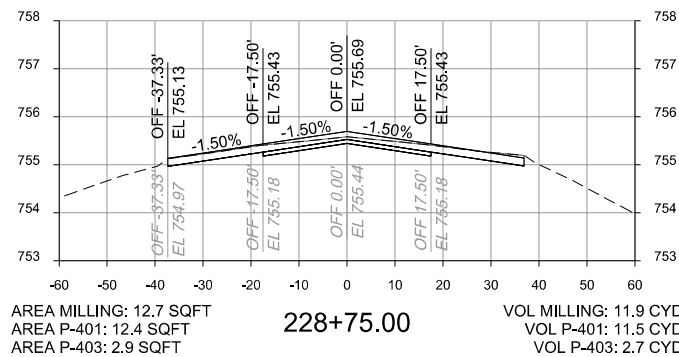
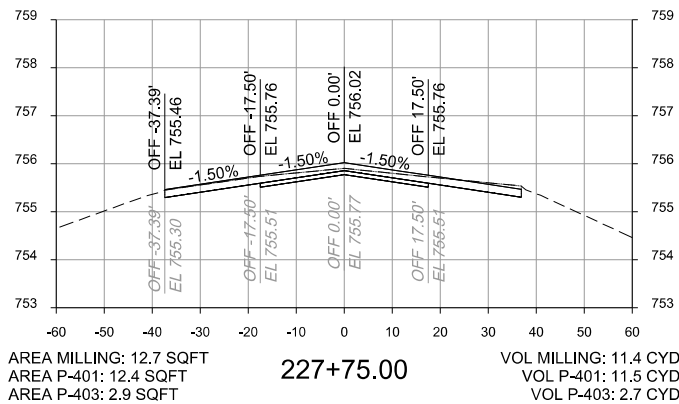
B



C



D



CH2MHILL®

CIVIL
CROSS SECTIONS
PROFILES
RUNWAY

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

NO.	DATE	DSGN	DR	CHK	APVD
2012/08/21			JA	JA	JJ

APVR	N	BY	APVD	MV
------	---	----	------	----

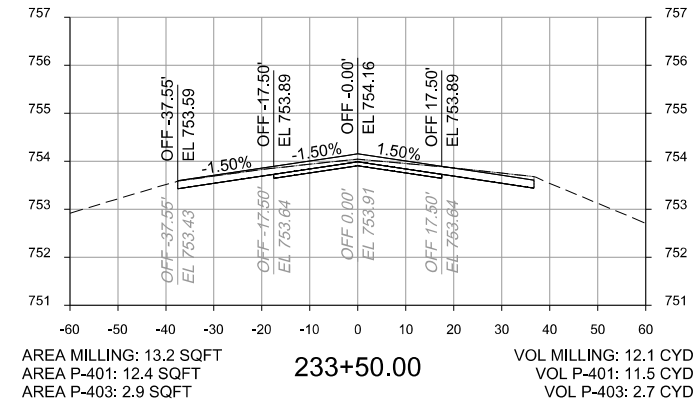
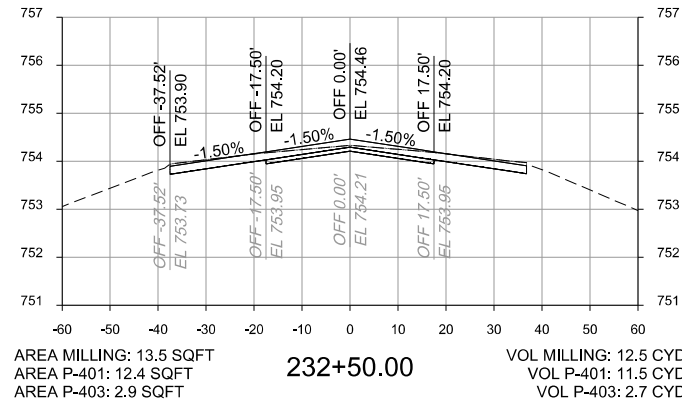
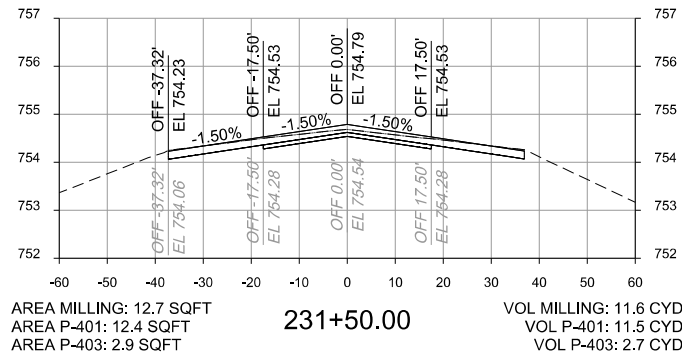
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-507
SHEET 53 of 68

DU080

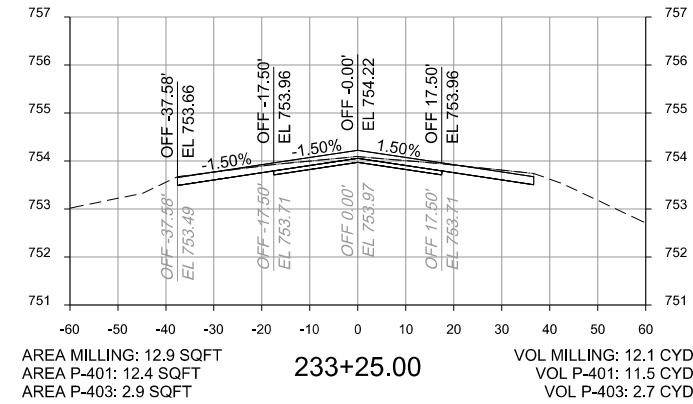
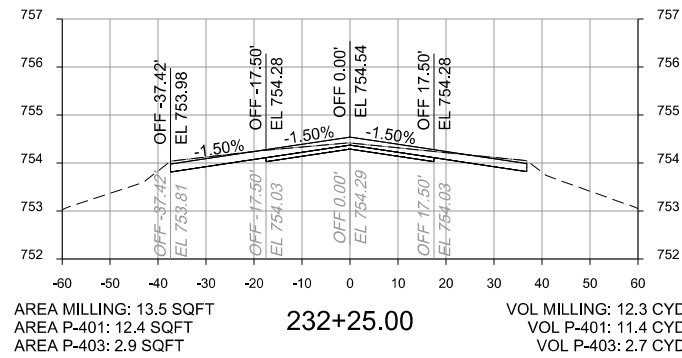
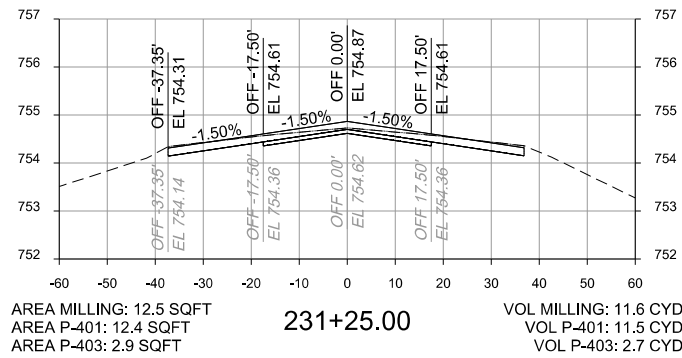


© CH2M HILL 2011. ALL RIGHTS RESERVED.

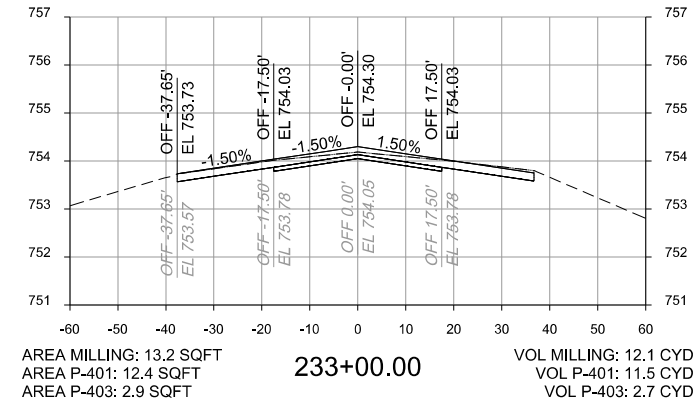
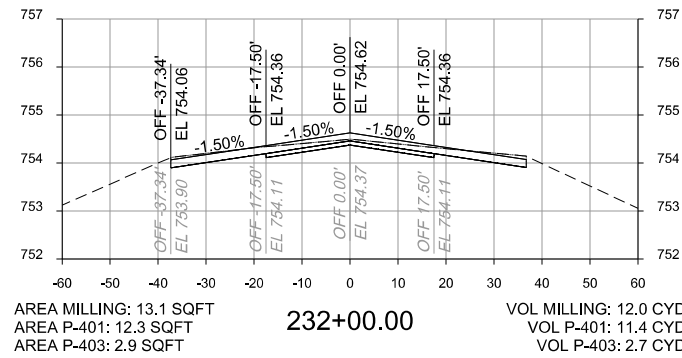
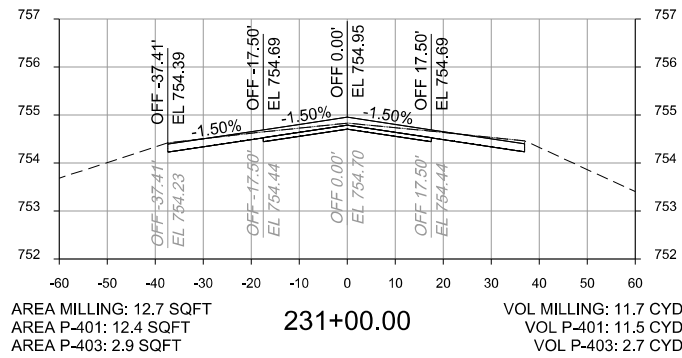
A



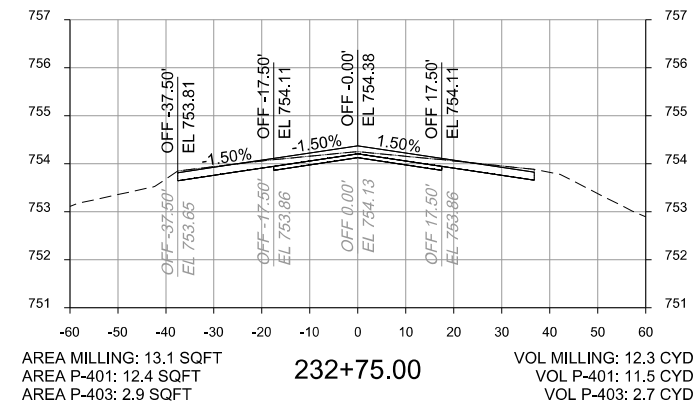
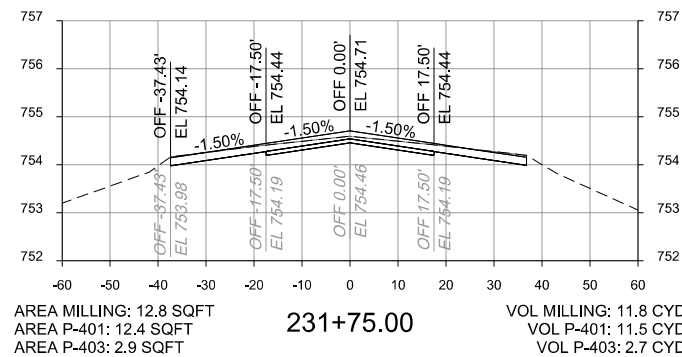
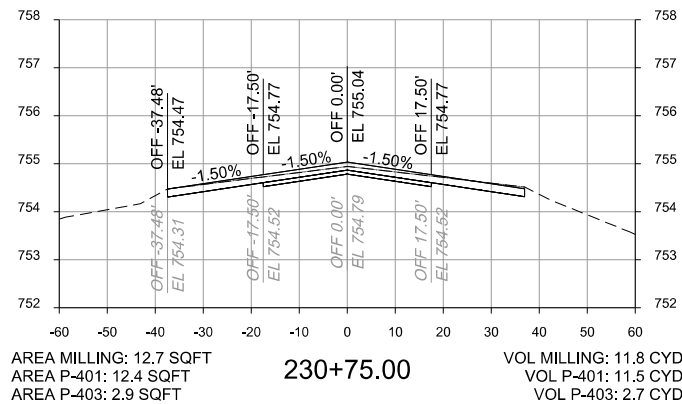
B



C



D



CH2MHILL®

CIVIL

**CROSS SECTIONS
PROFILES
RUNWAY**

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

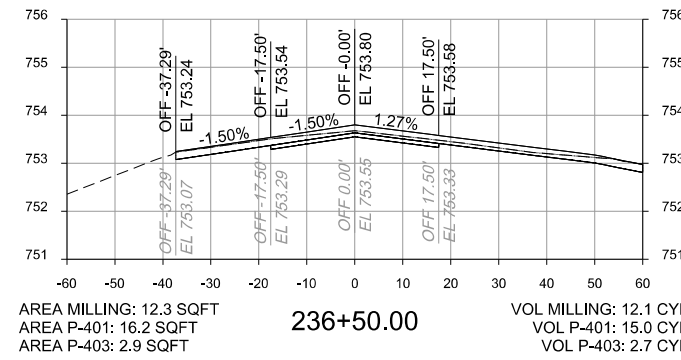
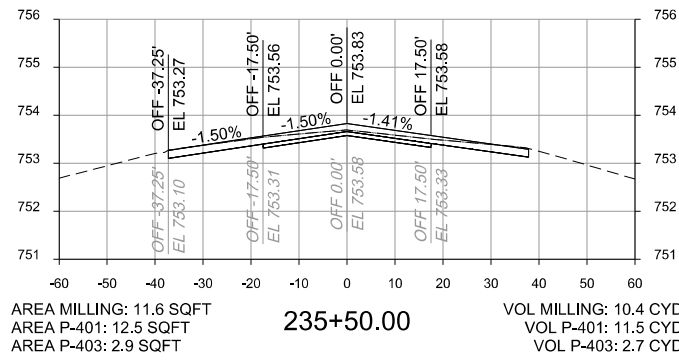
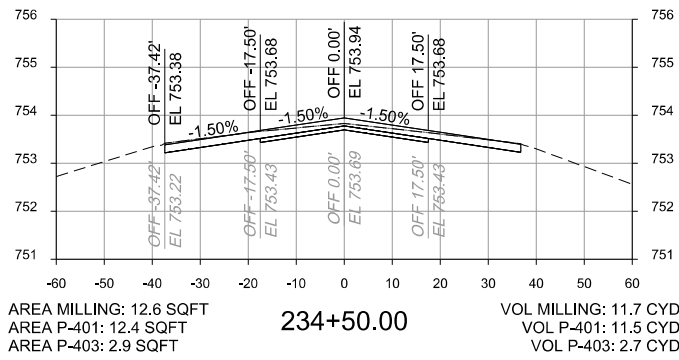
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

NO.	DATE	DR	CHK	APVD
2012/09/21		JA	JA	JJ

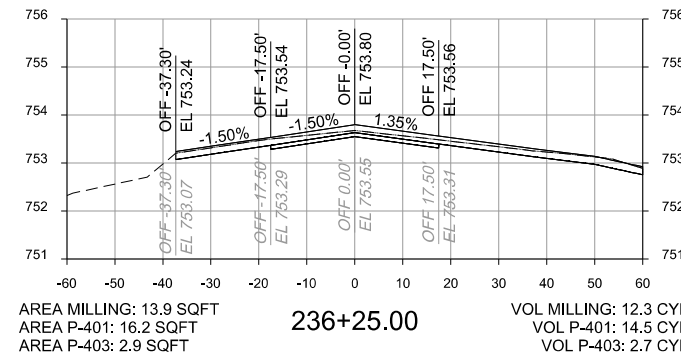
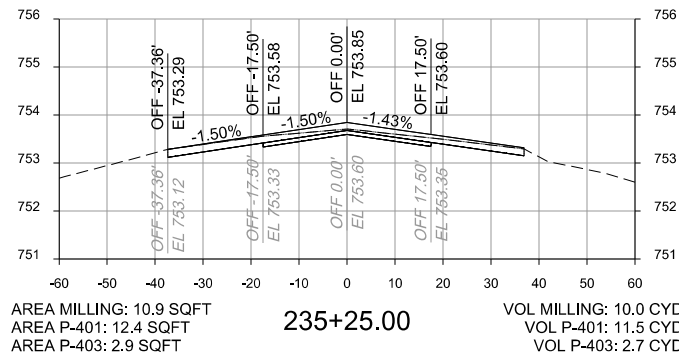
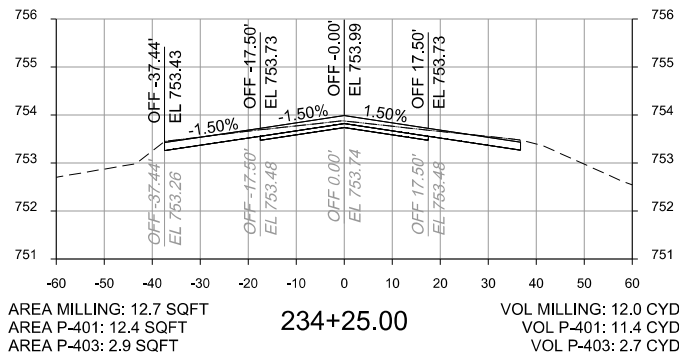
ISSUE FOR BID	REVISION	BY	APVD	MV

DATE	2012/02/03
PROJ	424278
DWG	X-508
SHEET	54 of 68

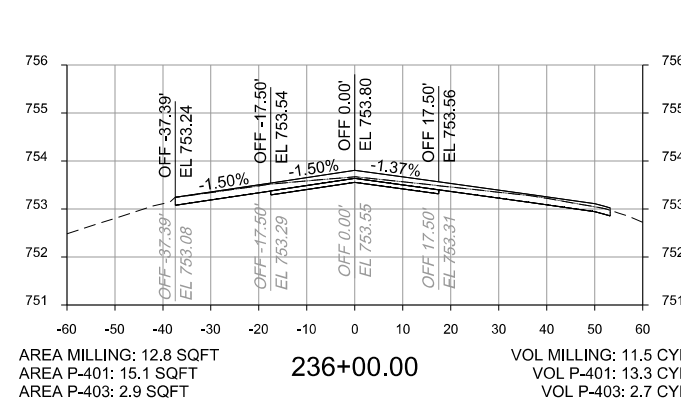
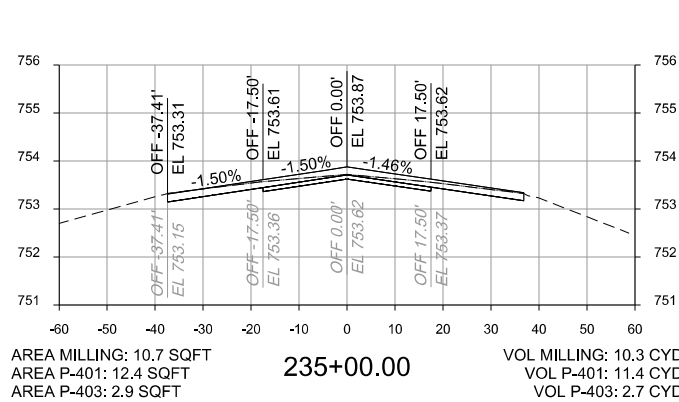
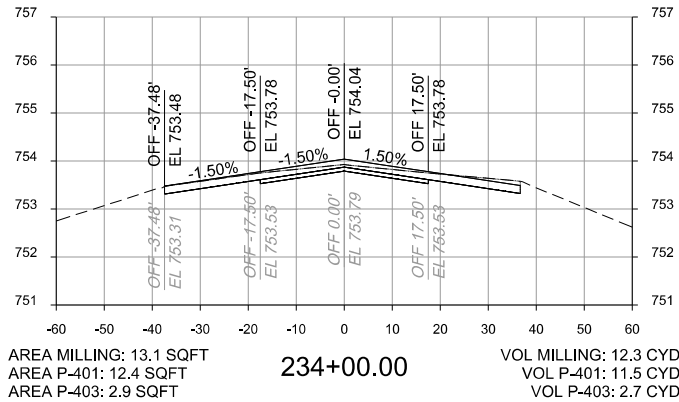
A



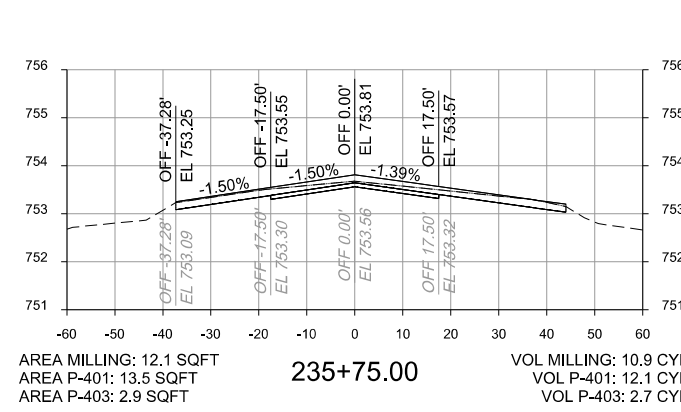
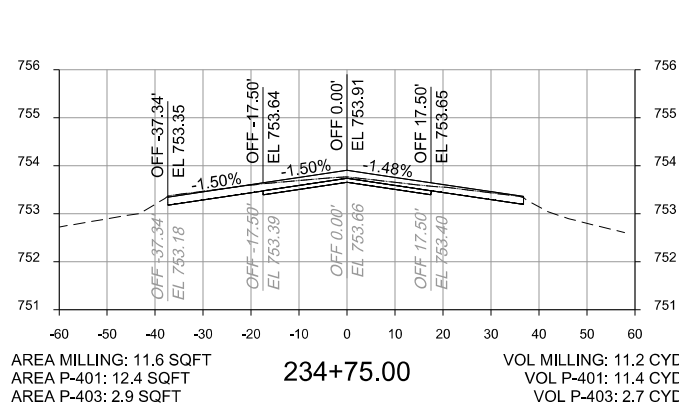
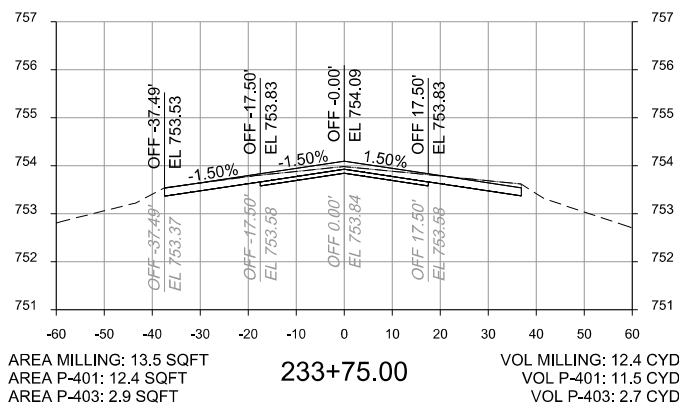
B



C



D



NO.	DATE	DR	CHK	APVD	MV
2012/09/21		JA	JA	JJ	
ISSUE FOR BID			REVISION	BY	APVD
			CHK		

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

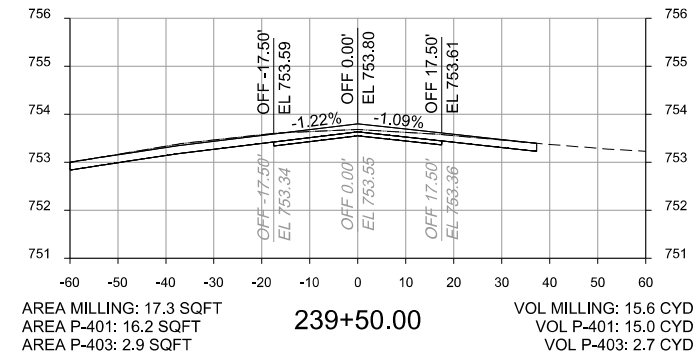
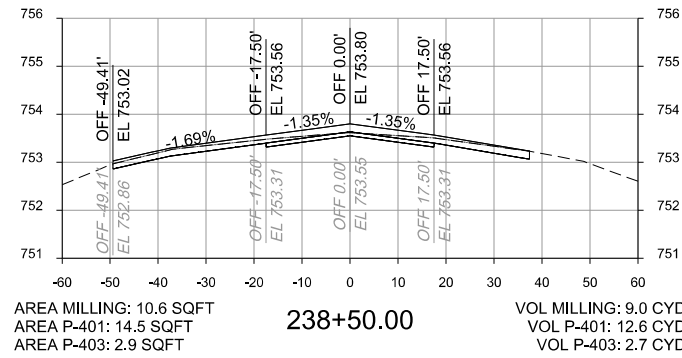
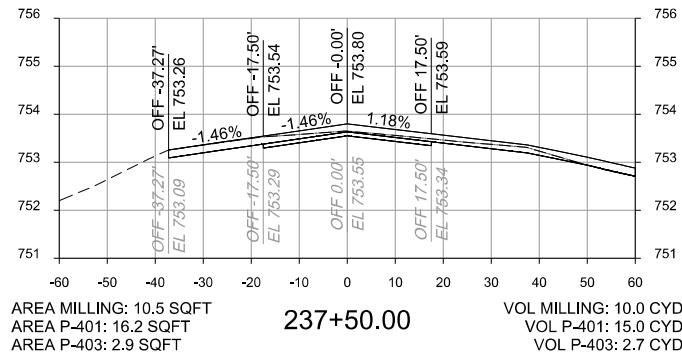
AS SHOWN	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2012/02/03
PROJ	424278
DWG	X-509
SHEET	55 of 68

CIVIL
CH2MHILL®
 CROSS SECTIONS
 PROFILES
 RUNWAY

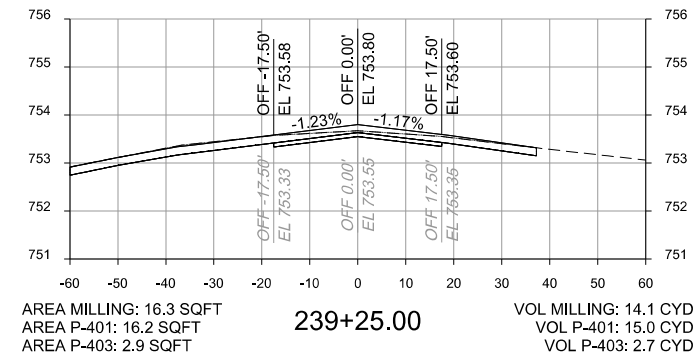
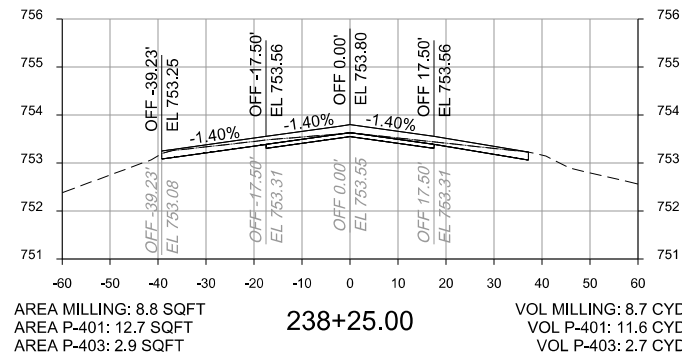
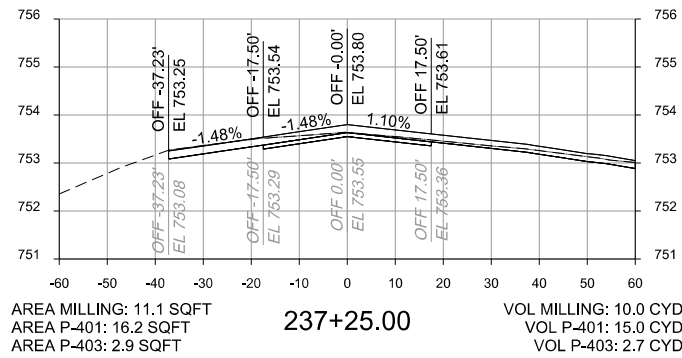
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.

© CH2M HILL 2011. ALL RIGHTS RESERVED.

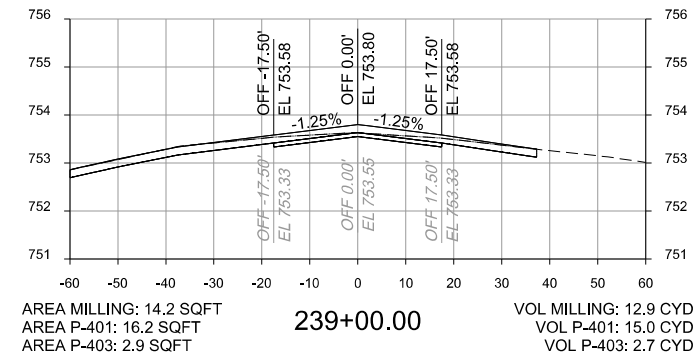
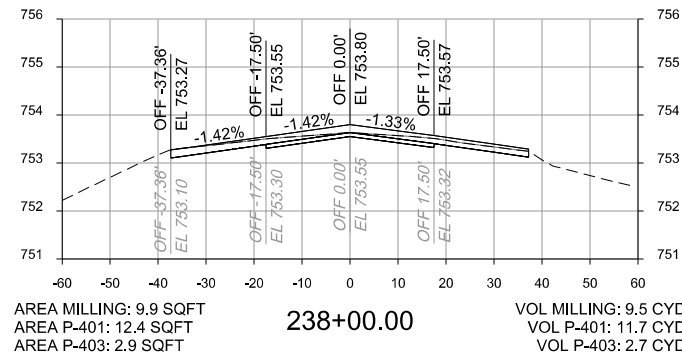
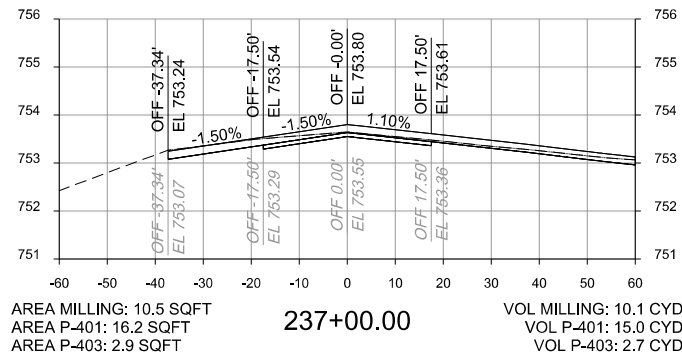
A



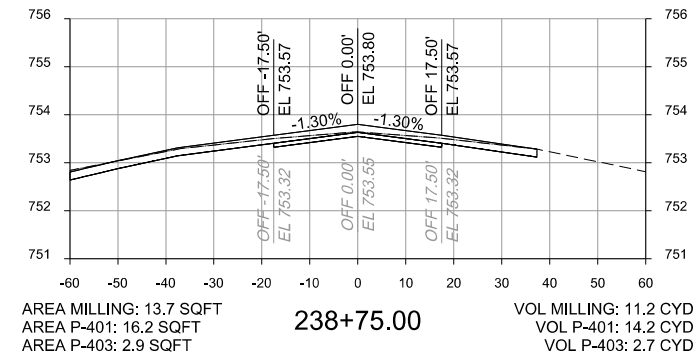
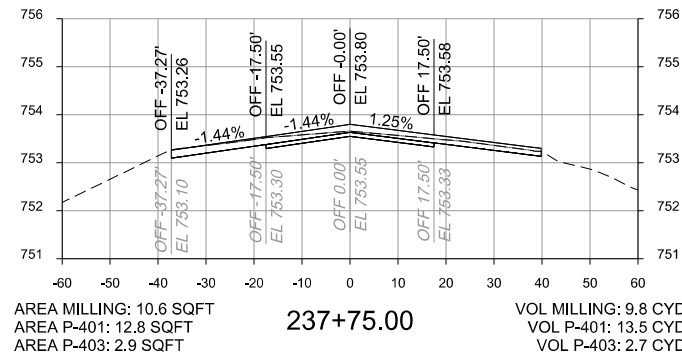
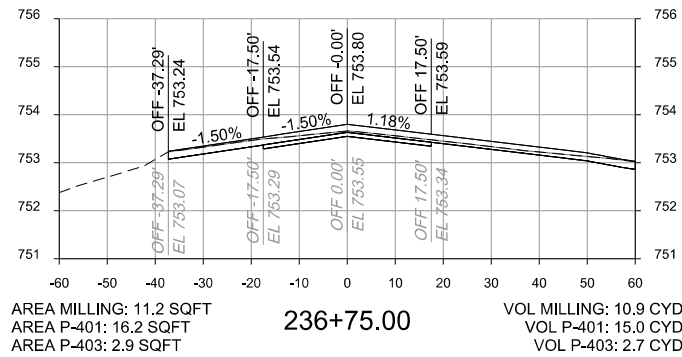
B



C



D



NO.	DATE	BY	APVD
2012/09/21		APVR	N
ISSUE FOR BID	REVISION	BY	APVD
CHK	JA	APVD	JJ
DR	JA	APVD	MV

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL[®]

CIVIL

CROSS SECTIONS
PROFILES
RUNWAY

AS SHOWN

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE 2012/02/03
PROJ 424278
DWG X-510
SHEET 56 of 68

1

2

3

4

5

6

A

B

C

D

DU080



© CH2M HILL 2011. ALL RIGHTS RESERVED.

NO.	2012/09/21	ISSUE FOR BID
DSGN	DR	REVISION
	JA	JA
	JA	APVD
		BY
		APVR
		N
		APVD
		MV

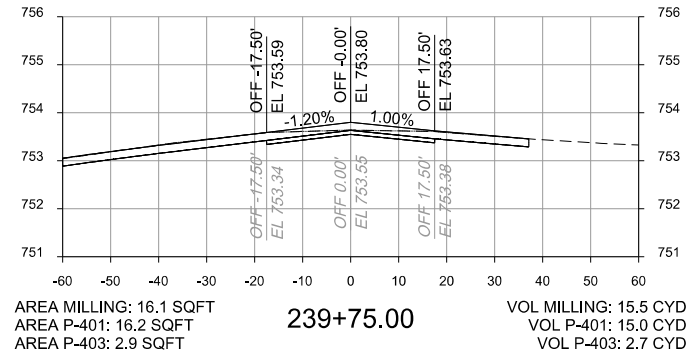
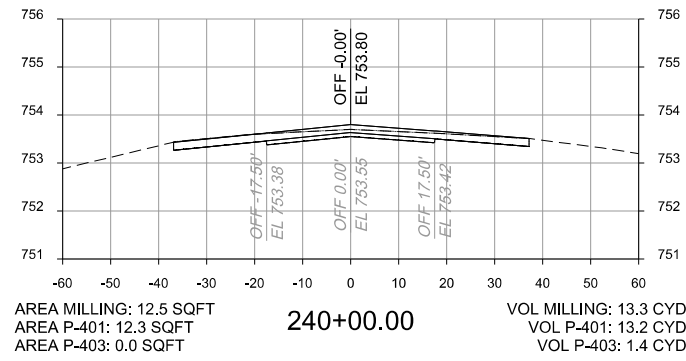
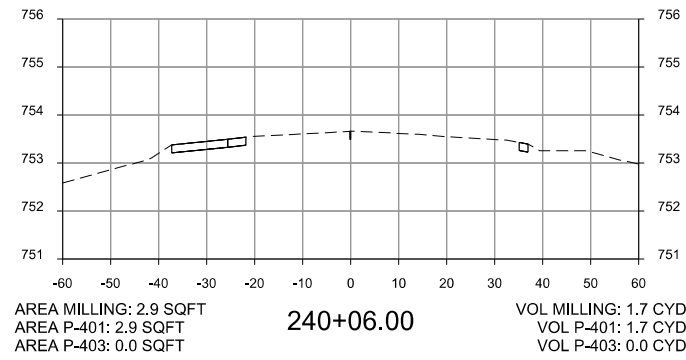
8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

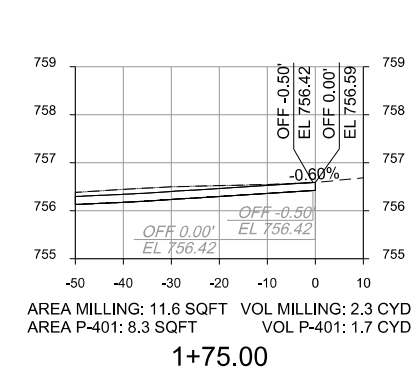
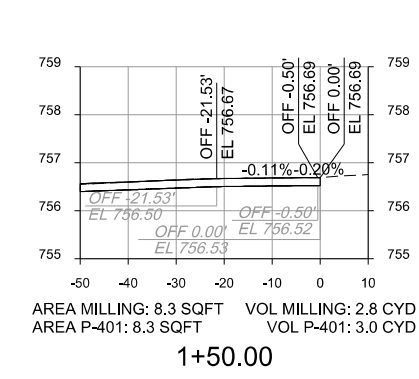
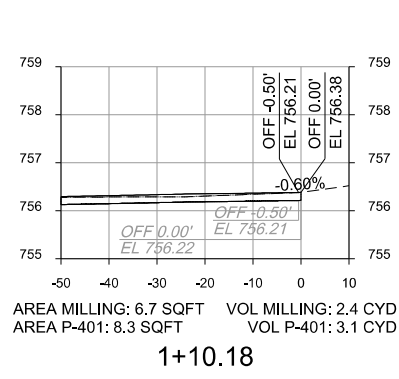
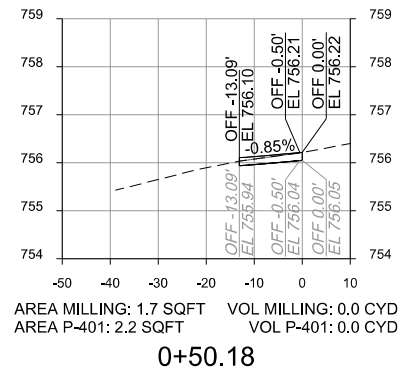
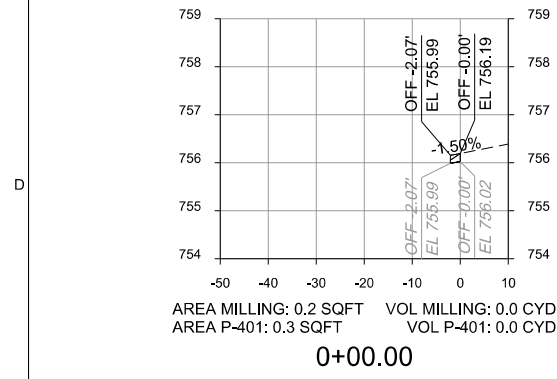
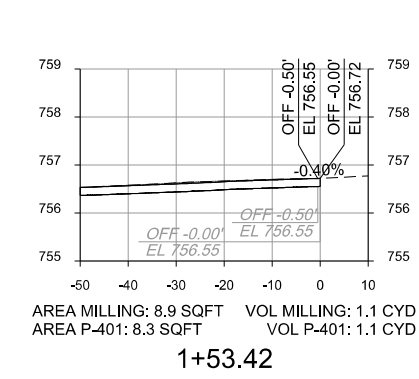
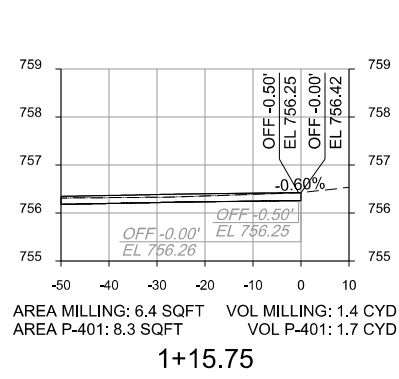
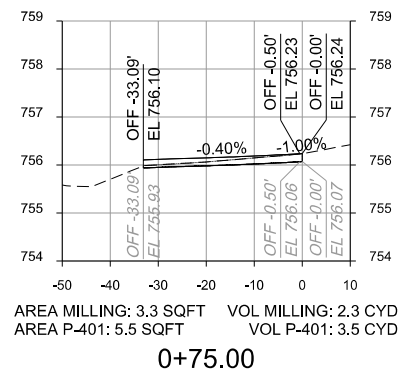
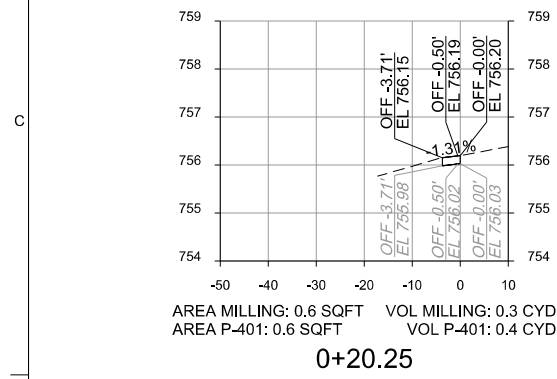
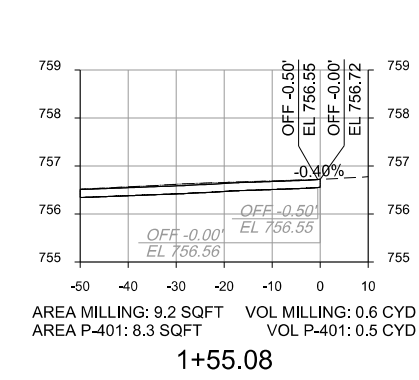
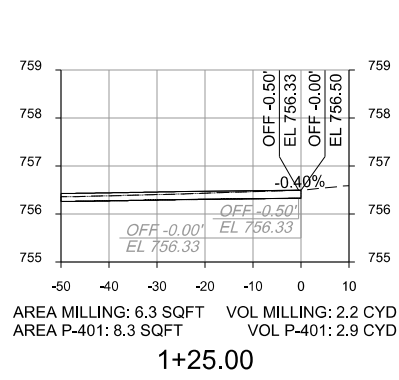
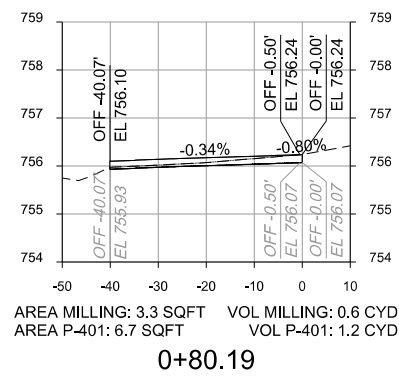
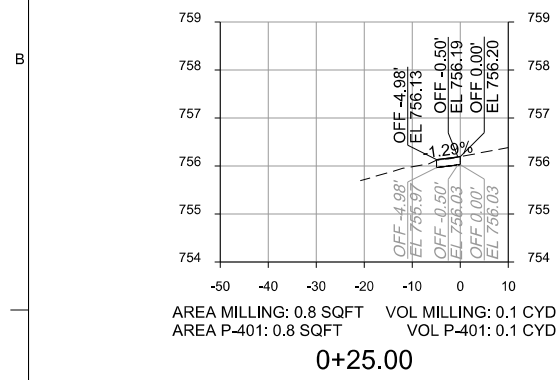
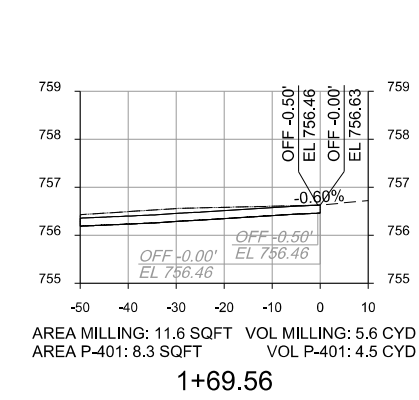
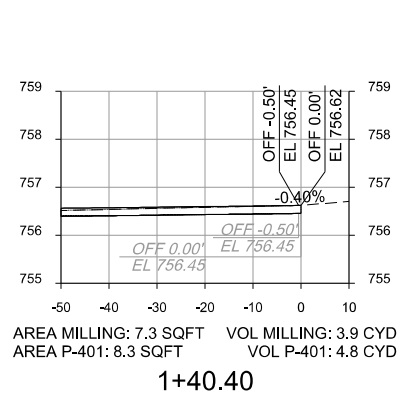
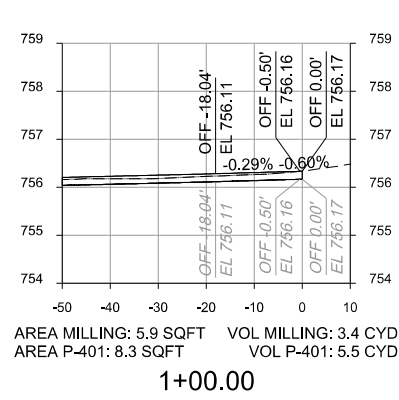
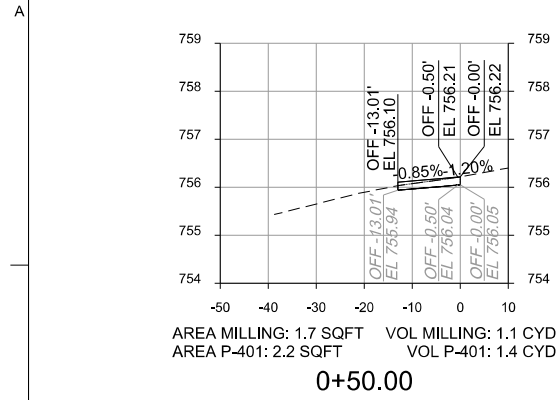
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL®

CIVIL
CROSS SECTIONS
PROFILES
RUNWAY

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-511
SHEET 57 of 69





CH2MHILL

CIVIL
 CROSS SECTIONS
 PROFILES
 WEST SIDE OF INTERSECTION

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

NO.	DATE	DR	CHK	APVD	BY	APVR	N	MV
2012/09/21		JA	JA	JJ				
ISSUE FOR BID		REVISION		APVD		APVR		MV

DATE	2012/02/03
PROJ	424278
DWG	X-518
SHEET	58 of 68

DU080



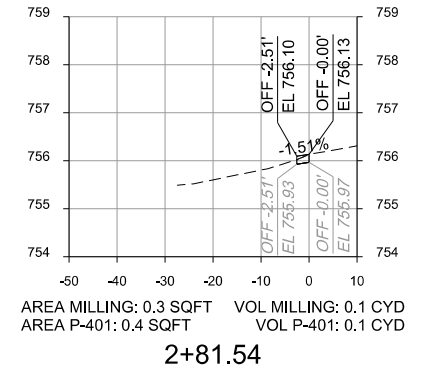
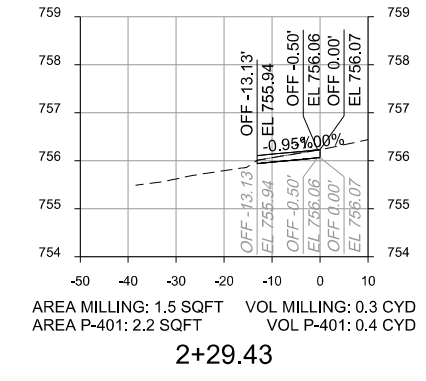
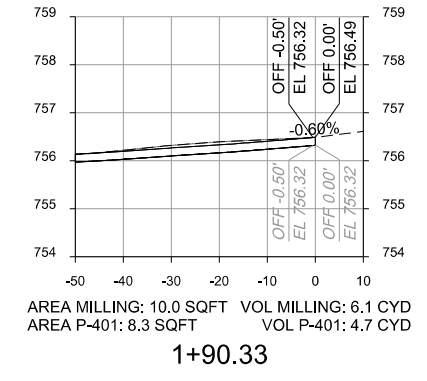
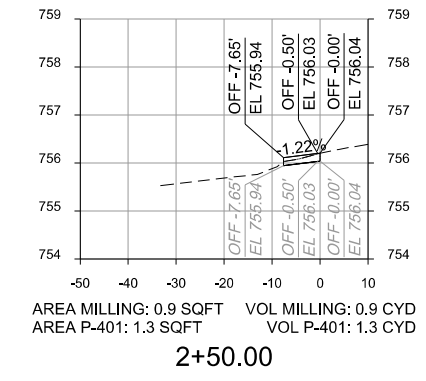
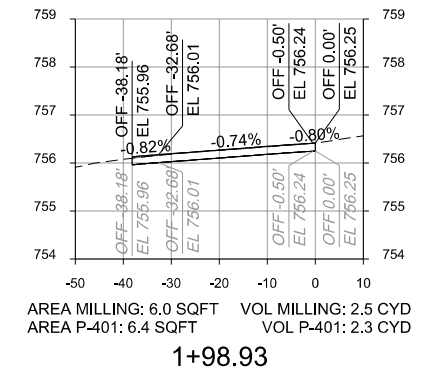
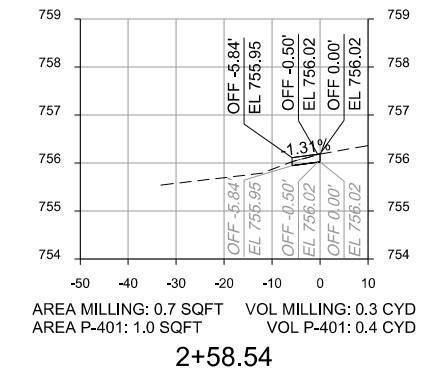
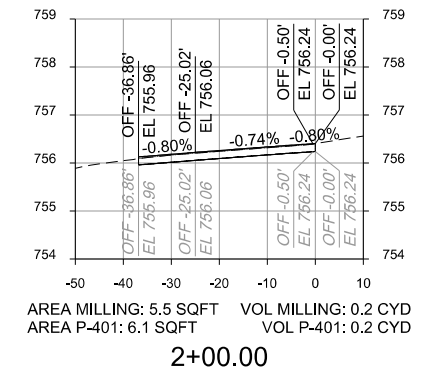
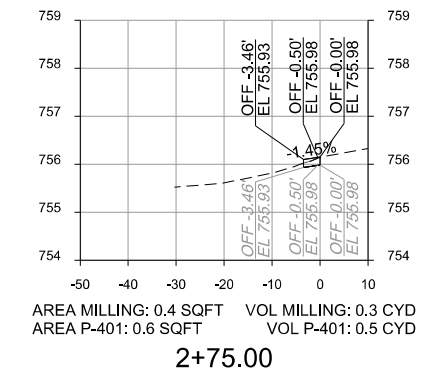
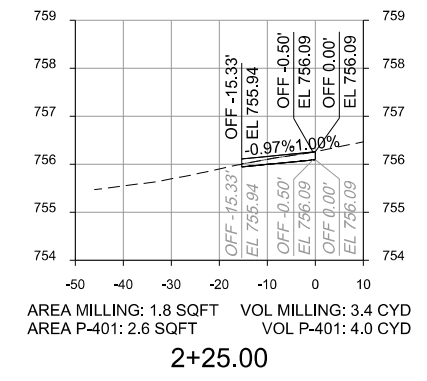
© CH2M HILL 2011. ALL RIGHTS RESERVED.

A

B

C

D



8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

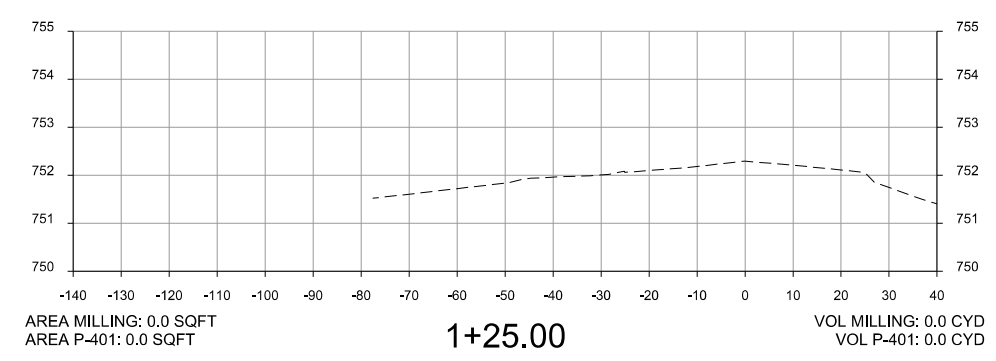
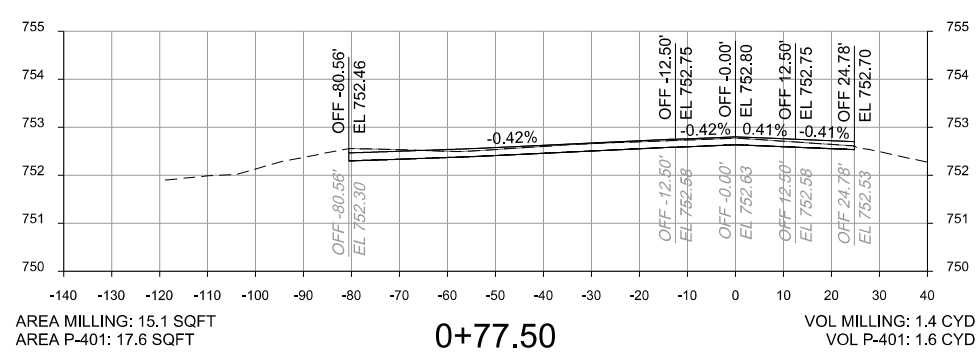
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL
 CIVIL
 CROSS SECTIONS
 PROFILES
 WEST SIDE OF INTERSECTION

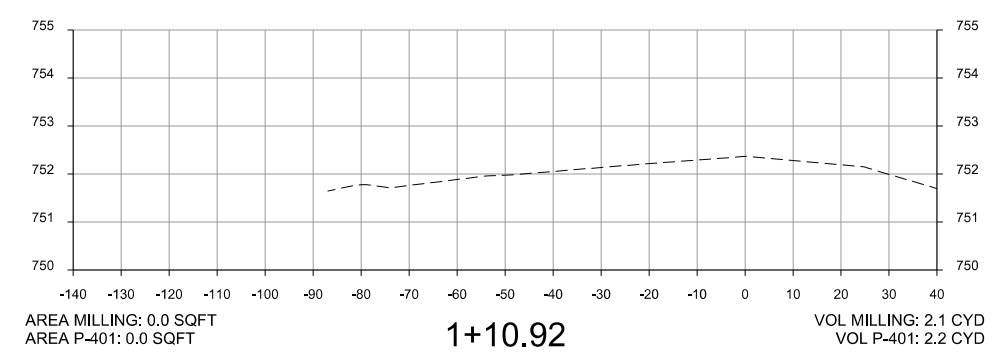
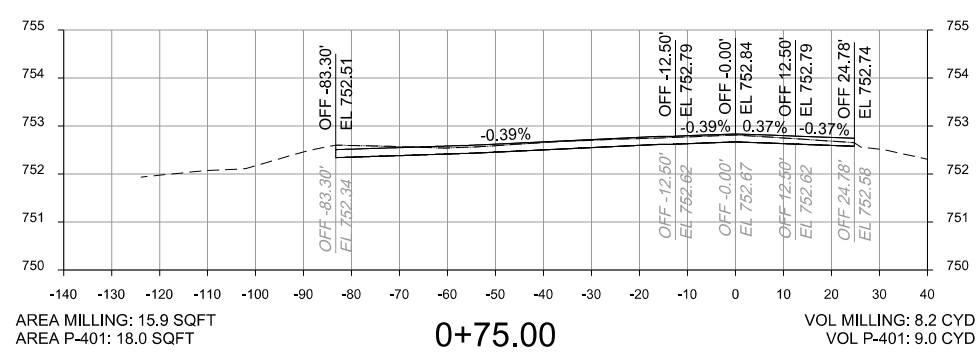
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-519
SHEET 59 of 68

NO.	DATE	DSGN	CHK	APVD	BY	APVD	MV
2012/09/21			JA	JA			
			DR	JA			
			ISSUE FOR BID	REVISION			

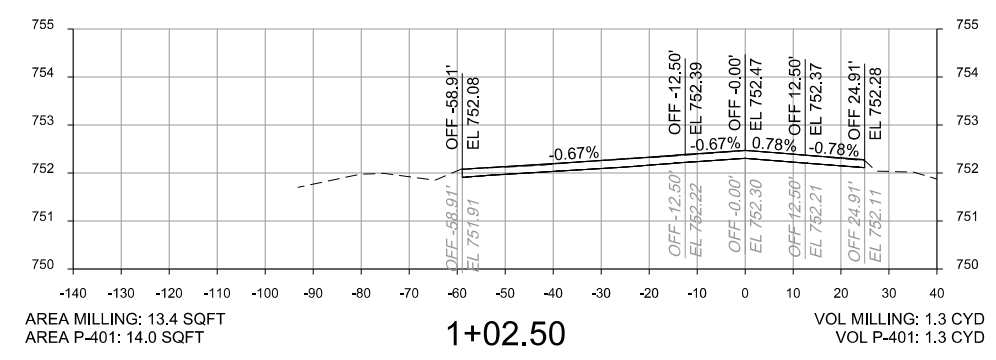
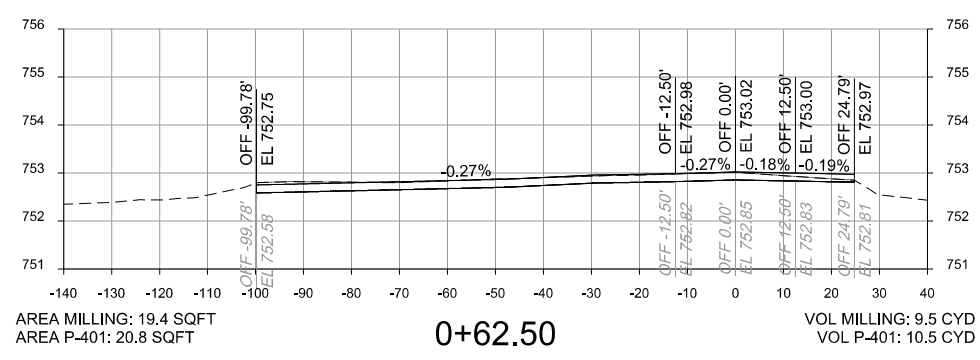
A



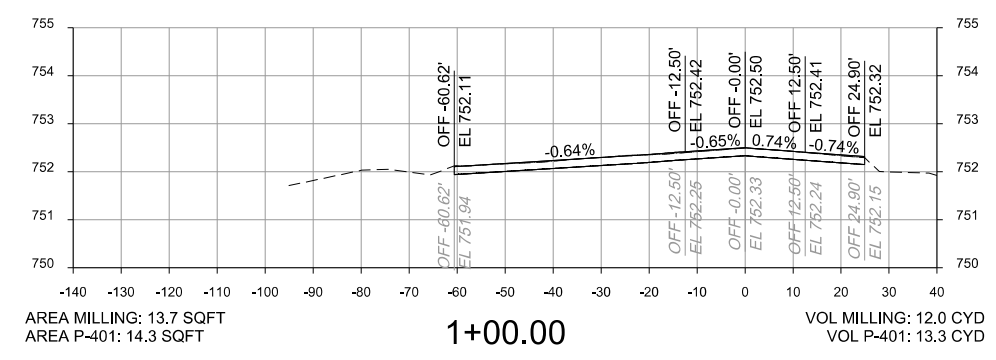
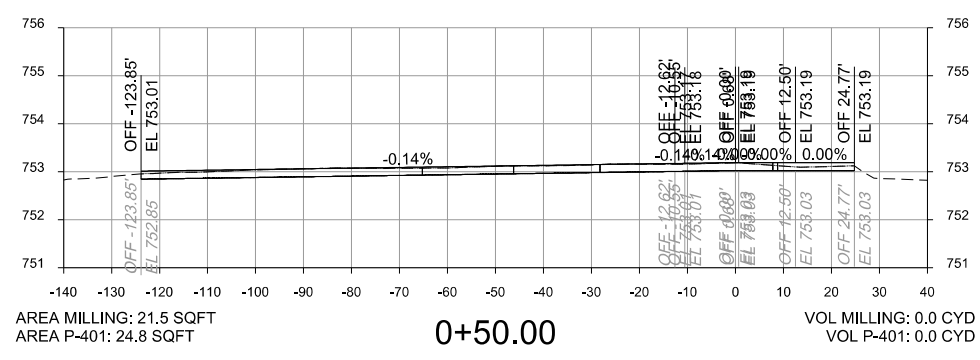
B



C



D



NO.	DATE	BY	APVD	MV
2012/09/21				
DR	JA	CHK	APVD	
DSGN				

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL[®]

CIVIL

**CROSS SECTIONS
PROFILES
TAXIWAY F**

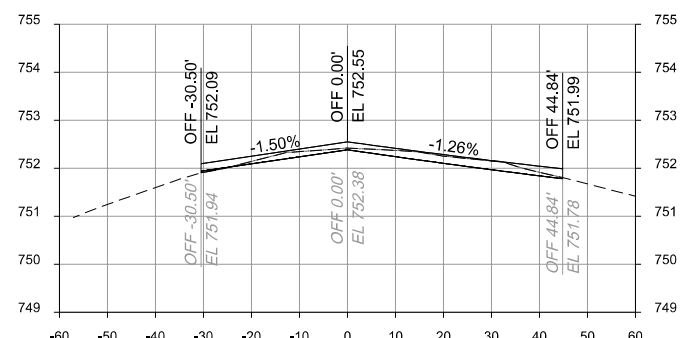
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-522
SHEET 60 of 68

A

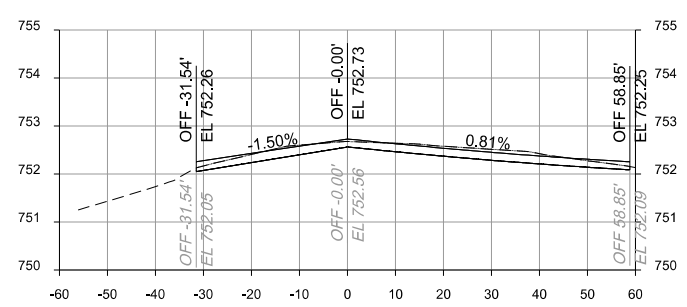
B

C

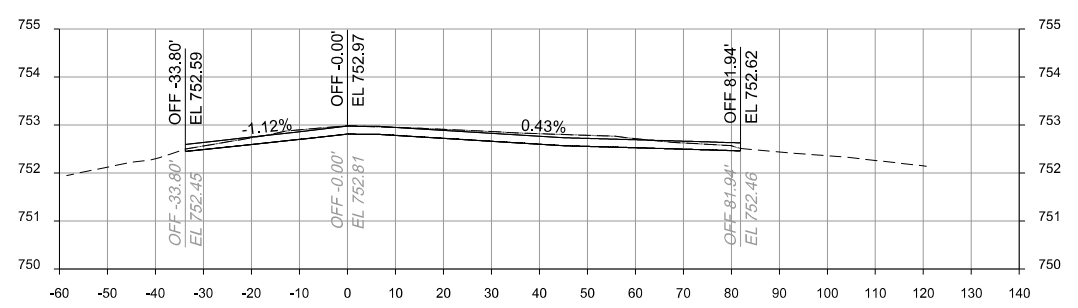
D



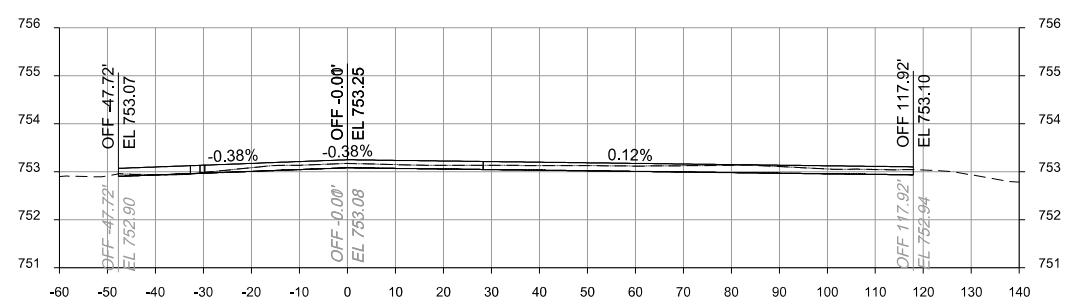
AREA MILLING: 7.5 SQFT
 AREA P-401: 13.2 SQFT
1+25.00
 VOL MILLING: 10.7 CYD
 VOL P-401: 13.4 CYD



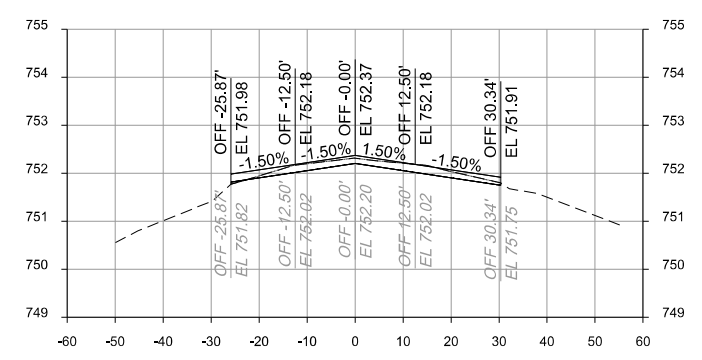
AREA MILLING: 15.7 SQFT
 AREA P-401: 15.7 SQFT
1+00.00
 VOL MILLING: 16.4 CYD
 VOL P-401: 16.0 CYD



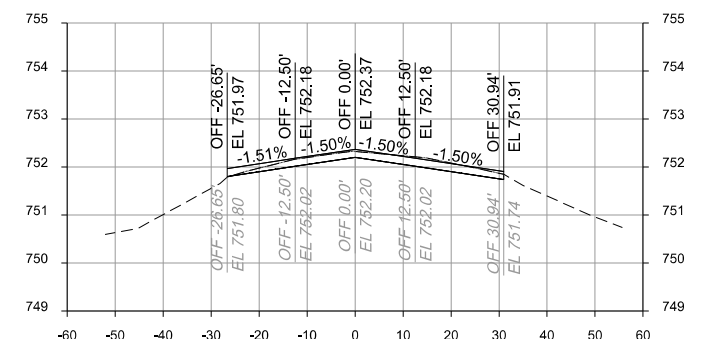
AREA MILLING: 19.8 SQFT
 AREA P-401: 19.0 SQFT
0+75.00
 VOL MILLING: 16.2 CYD
 VOL P-401: 21.6 CYD



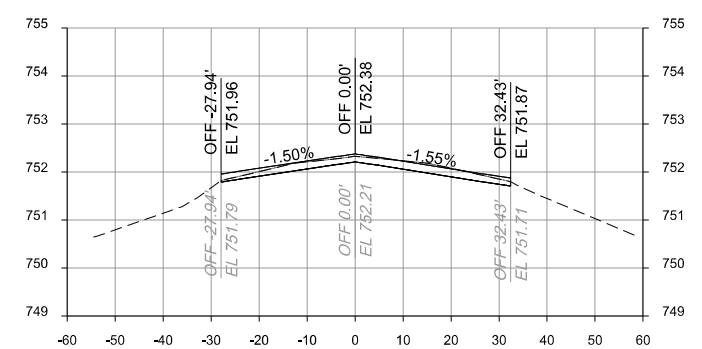
AREA MILLING: 15.2 SQFT
 AREA P-401: 27.6 SQFT
0+50.00
 VOL MILLING: 14.1 CYD
 VOL P-401: 25.6 CYD



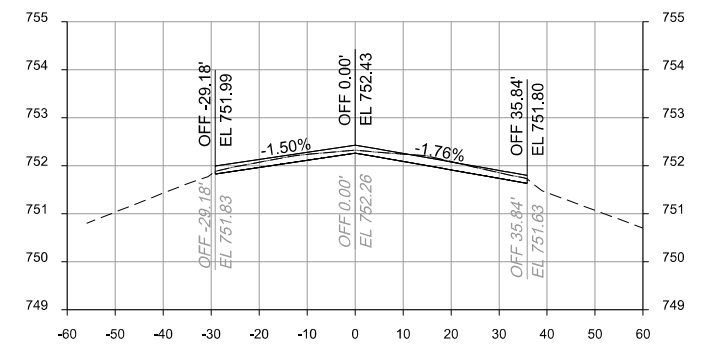
AREA MILLING: 6.3 SQFT
 AREA P-401: 9.4 SQFT
2+25.00
 VOL MILLING: 6.6 CYD
 VOL P-401: 8.8 CYD



AREA MILLING: 8.0 SQFT
 AREA P-401: 9.6 SQFT
2+00.00
 VOL MILLING: 7.5 CYD
 VOL P-401: 9.1 CYD



AREA MILLING: 8.2 SQFT
 AREA P-401: 10.1 SQFT
1+75.00
 VOL MILLING: 7.5 CYD
 VOL P-401: 9.7 CYD



AREA MILLING: 7.9 SQFT
 AREA P-401: 10.8 SQFT
1+50.00
 VOL MILLING: 7.1 CYD
 VOL P-401: 11.1 CYD

DU080



NO.	DATE	DR	CHK	APVD	MV
2012/09/21		JA	JA	APVD	
ISSUE FOR BID			REVISION		

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

CH2MHILL®

CIVIL
**CROSS SECTIONS
 PROFILES
 TAXIWAY E2**

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-523
SHEET 61 of 68

REUSE OF DOCUMENTS: THE DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2MHILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL.

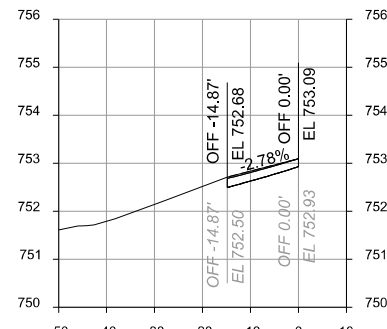
© CH2M HILL 2011. ALL RIGHTS RESERVED.

A

B

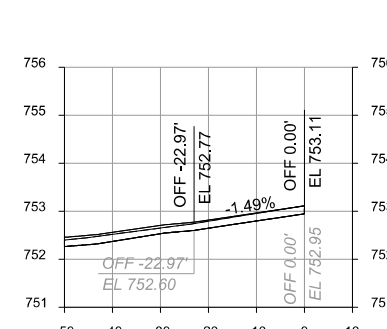
C

D



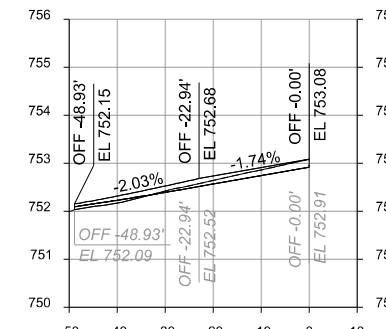
AREA MILLING: 2.9 SQFT VOL MILLING: 0.8 CYD
 AREA P-401: 2.6 SQFT VOL P-401: 0.7 CYD

0+34.30



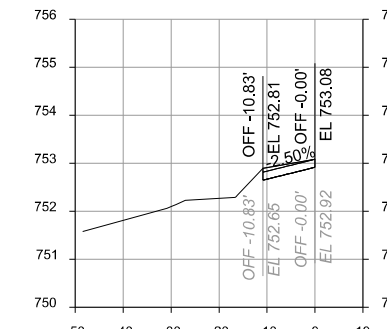
AREA MILLING: 7.3 SQFT VOL MILLING: 1.1 CYD
 AREA P-401: 8.8 SQFT VOL P-401: 1.3 CYD

0+78.94



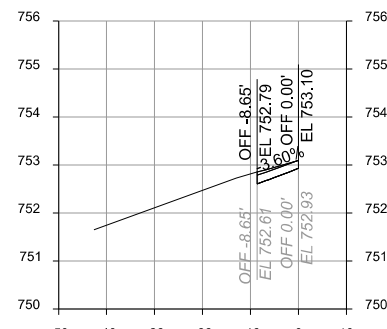
AREA MILLING: 3.0 SQFT VOL MILLING: 2.0 CYD
 AREA P-401: 6.6 SQFT VOL P-401: 3.9 CYD

1+24.13



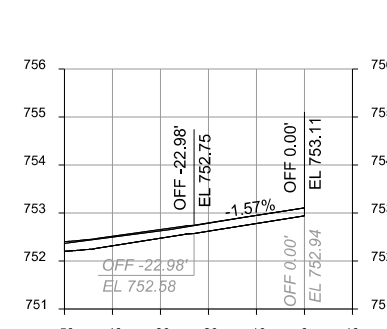
AREA MILLING: 2.2 SQFT VOL MILLING: 0.4 CYD
 AREA P-401: 1.8 SQFT VOL P-401: 0.3 CYD

1+53.93



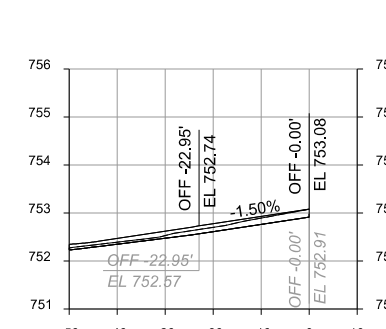
AREA MILLING: 1.8 SQFT VOL MILLING: 0.3 CYD
 AREA P-401: 1.5 SQFT VOL P-401: 0.3 CYD

0+25.00



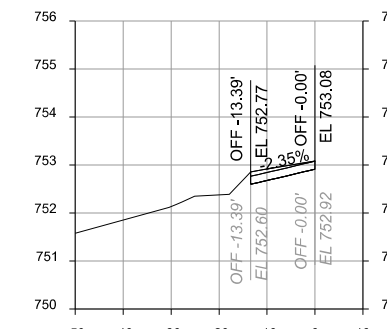
AREA MILLING: 8.4 SQFT VOL MILLING: 2.9 CYD
 AREA P-401: 9.0 SQFT VOL P-401: 3.8 CYD

0+75.00



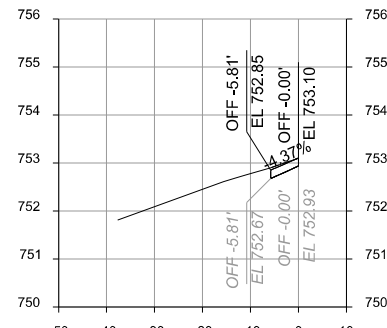
AREA MILLING: 4.2 SQFT VOL MILLING: 1.6 CYD
 AREA P-401: 7.4 SQFT VOL P-401: 2.6 CYD

1+09.17



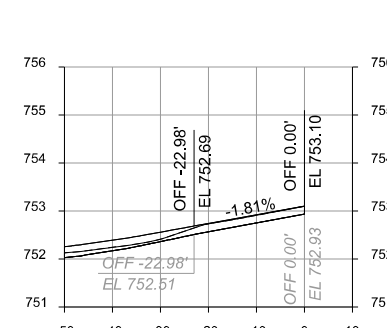
AREA MILLING: 2.9 SQFT VOL MILLING: 1.2 CYD
 AREA P-401: 2.2 SQFT VOL P-401: 1.2 CYD

1+50.00



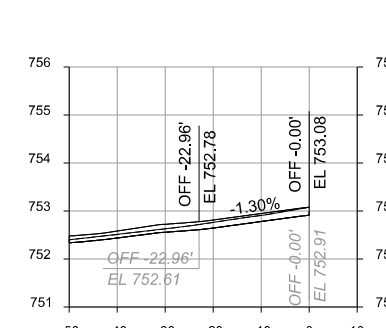
AREA MILLING: 1.1 SQFT VOL MILLING: 0.4 CYD
 AREA P-401: 1.0 SQFT VOL P-401: 0.4 CYD

0+19.17



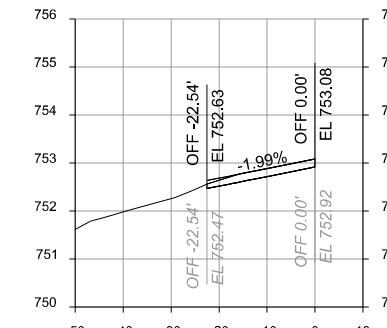
AREA MILLING: 5.7 SQFT VOL MILLING: 2.2 CYD
 AREA P-401: 9.6 SQFT VOL P-401: 4.1 CYD

0+64.01



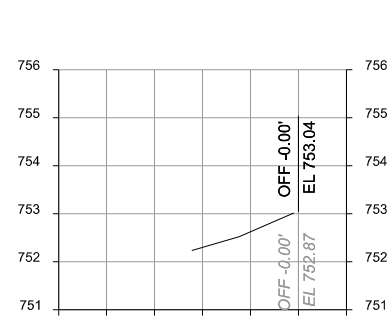
AREA MILLING: 5.1 SQFT VOL MILLING: 1.1 CYD
 AREA P-401: 7.9 SQFT VOL P-401: 1.7 CYD

1+00.00



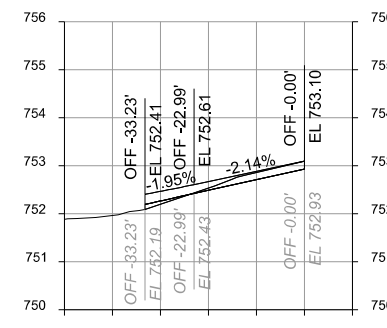
AREA MILLING: 3.5 SQFT VOL MILLING: 1.7 CYD
 AREA P-401: 3.8 SQFT VOL P-401: 2.7 CYD

1+39.50



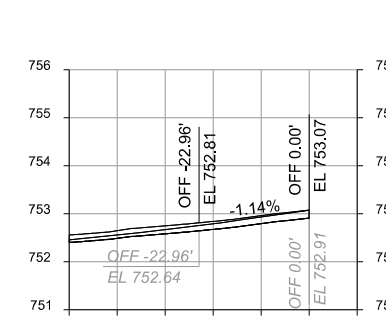
AREA MILLING: 0.0 SQFT VOL MILLING: 0.0 CYD
 AREA P-401: 0.0 SQFT VOL P-401: 0.0 CYD

0+00.00



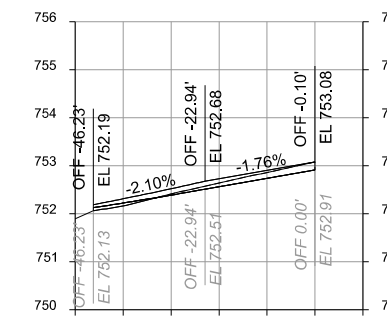
AREA MILLING: 2.8 SQFT VOL MILLING: 1.7 CYD
 AREA P-401: 6.0 SQFT VOL P-401: 2.5 CYD

0+50.00



AREA MILLING: 5.2 SQFT VOL MILLING: 3.6 CYD
 AREA P-401: 8.2 SQFT VOL P-401: 4.8 CYD

0+94.28



AREA MILLING: 3.0 SQFT VOL MILLING: 0.1 CYD
 AREA P-401: 6.4 SQFT VOL P-401: 0.2 CYD

1+25.00

DU080



NO.	DATE	DR	CHK	APVD	MV
2012/08/21		JA	JA	APVD	APVD
ISSUE FOR BID			REVISION		

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

CH2MHILL®

CIVIL
 CROSS SECTIONS
 PROFILES
 TAXIWAY E/I2 INTERSECTION

AS SHOWN
 VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE 2012/02/03
 PROJ 424278
 DWG X-525
 SHEET 63 of 68

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2MHILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL.

© CH2M HILL 2011. ALL RIGHTS RESERVED.

1

2

3

4

5

6

A

B

C

D

DU080



© CH2M HILL 2011. ALL RIGHTS RESERVED.

NO.	2012/09/21	ISSUE FOR BID
DSGN	DR	REVISION
	JA	CHK
	JA	APVD
		BY
		APVR
		N
		APVD
		MV

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

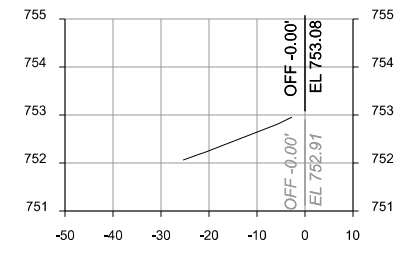
RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

CH2MHILL®

CIVIL

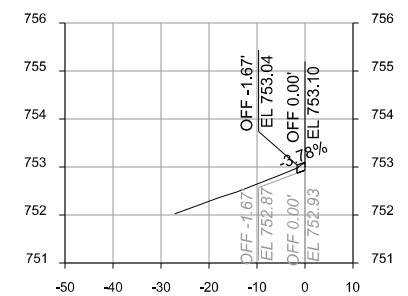
**CROSS SECTIONS
PROFILES
TAXIWAY E/I2 INTERSECTION**

AS SHOWN	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2012/02/03
PROJ	424278
DWG	X-526
SHEET	64 of 68



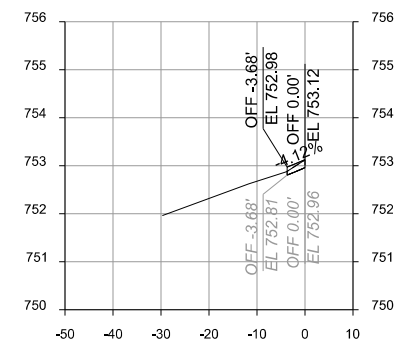
AREA MILLING: 0.0 SQFT VOL MILLING: 0.0 CYD
AREA P-401: 0.0 SQFT VOL P-401: 0.0 CYD

1+79.13



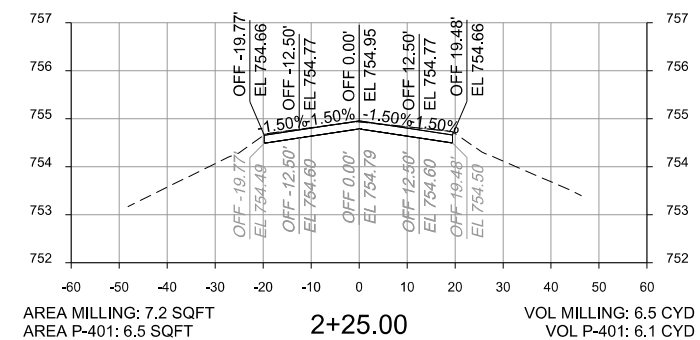
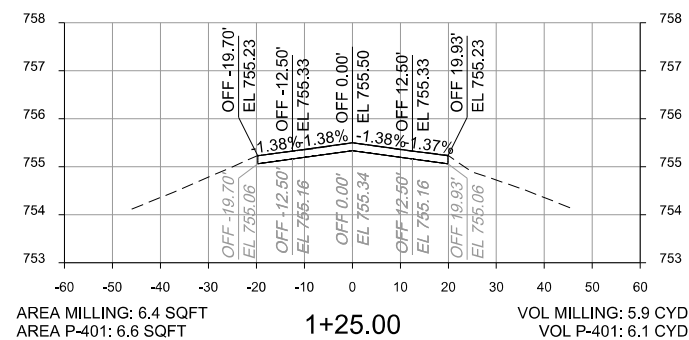
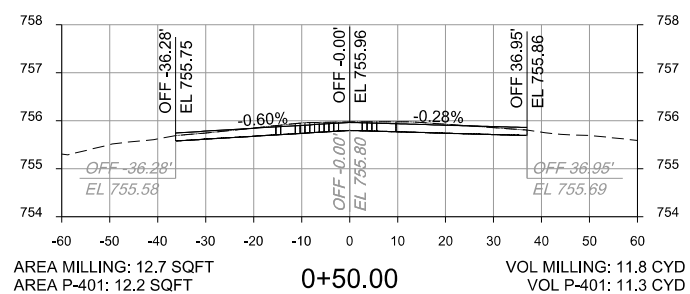
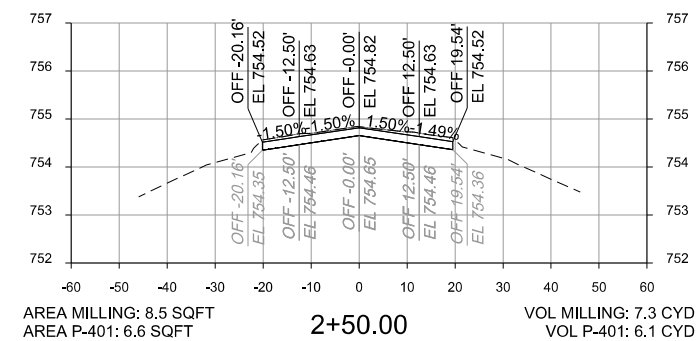
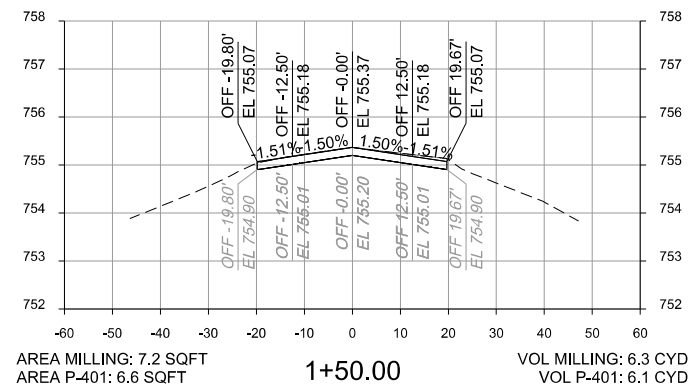
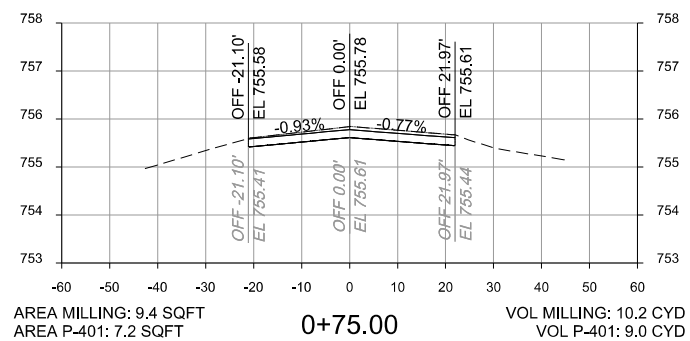
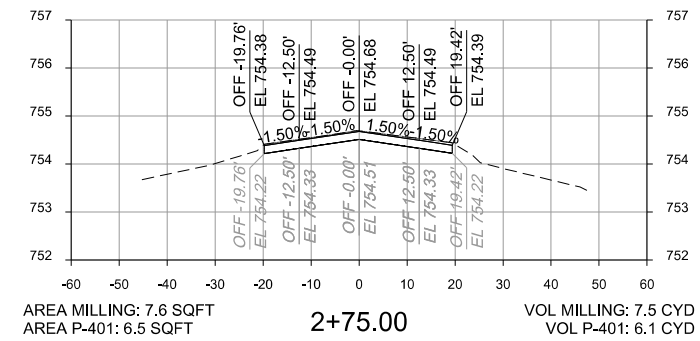
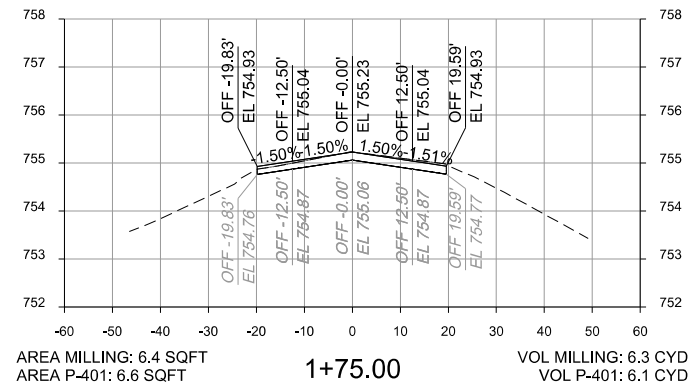
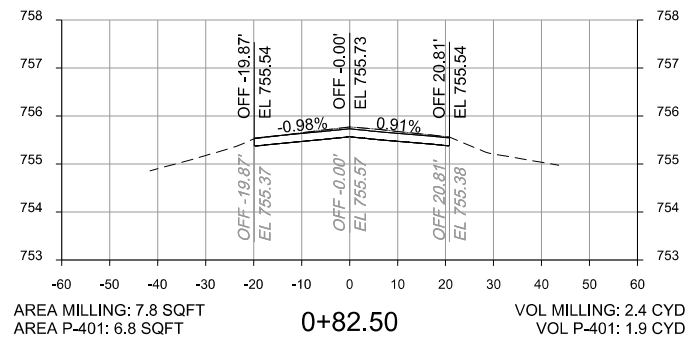
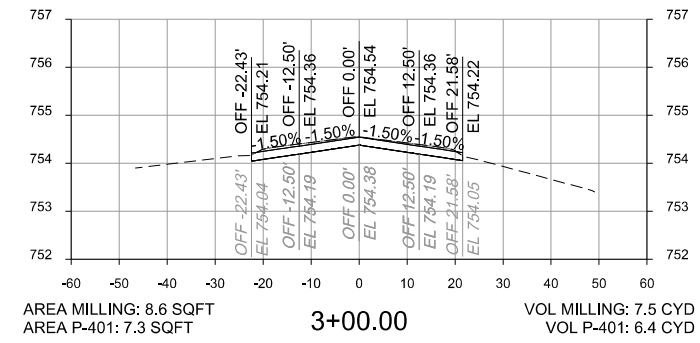
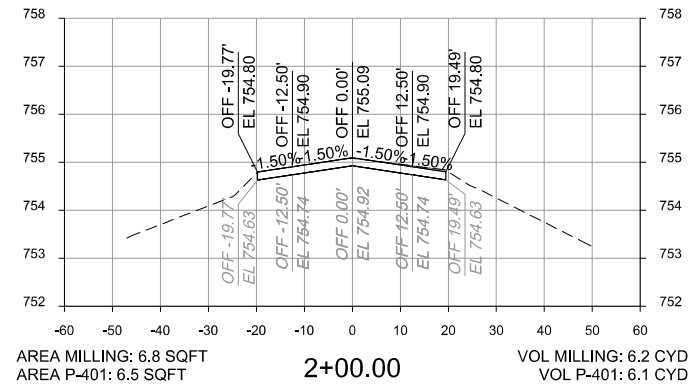
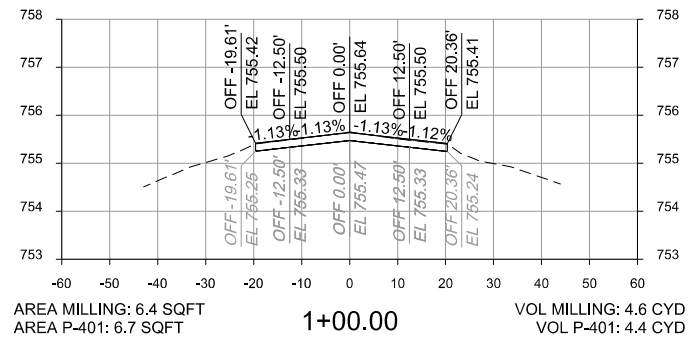
AREA MILLING: 0.2 SQFT VOL MILLING: 0.1 CYD
AREA P-401: 0.3 SQFT VOL P-401: 0.1 CYD

1+75.00



AREA MILLING: 0.4 SQFT VOL MILLING: 0.7 CYD
AREA P-401: 0.6 SQFT VOL P-401: 0.7 CYD

1+69.07



DU080



NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD	MV
2012/08/21			JA	JA				
					ISSUE FOR BID			
					REVISION			

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

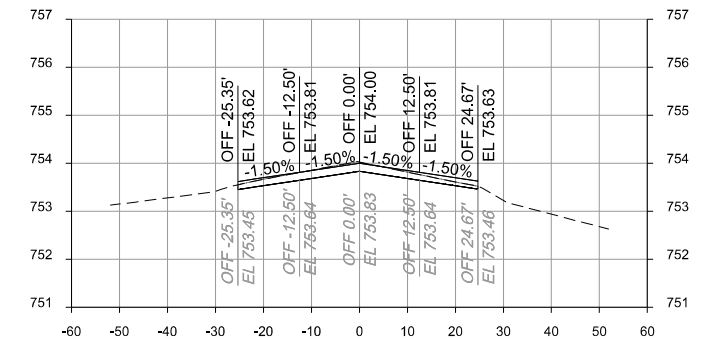
RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

CH2MHILL®

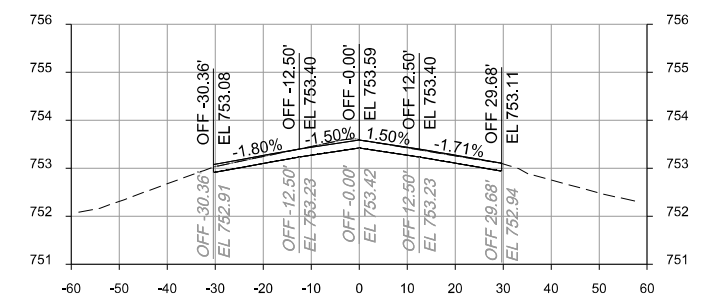
CIVIL
 CROSS SECTIONS
 PROFILES
 TAXIWAY E1

AS SHOWN	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2012/02/03
PROJ	424278
DWG	X-527
SHEET	65 of 68

A

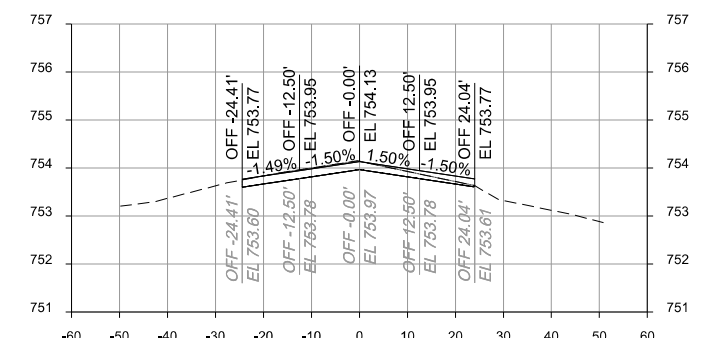


AREA MILLING: 7.1 SQFT
AREA P-401: 8.3 SQFT
4+00.00
VOL MILLING: 6.4 CYD
VOL P-401: 7.6 CYD

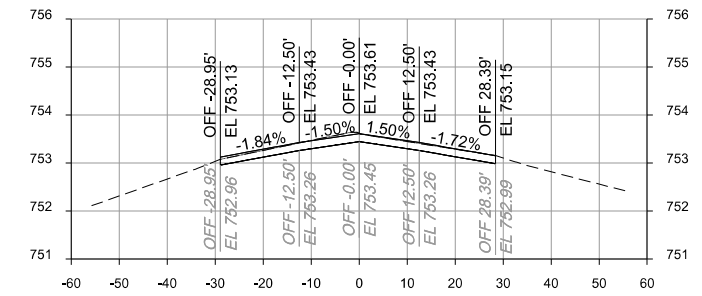


AREA MILLING: 9.6 SQFT
AREA P-401: 10.0 SQFT
4+75.00
VOL MILLING: 1.7 CYD
VOL P-401: 1.8 CYD

B

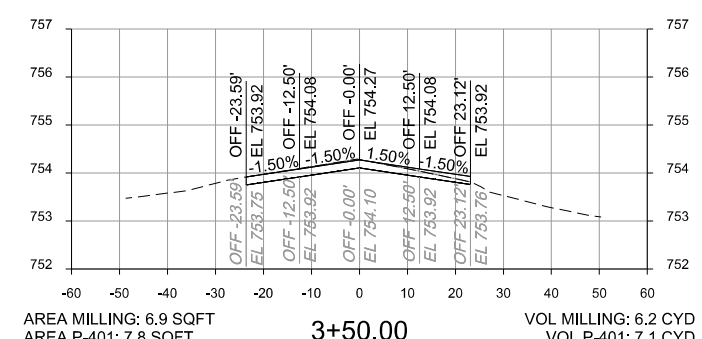


AREA MILLING: 6.8 SQFT
AREA P-401: 8.1 SQFT
3+75.00
VOL MILLING: 6.4 CYD
VOL P-401: 7.3 CYD

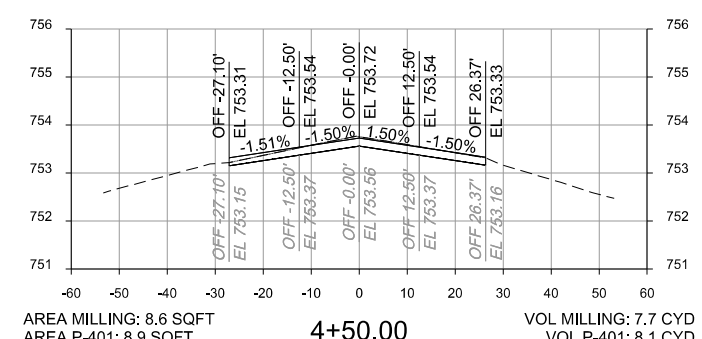


AREA MILLING: 9.2 SQFT
AREA P-401: 9.6 SQFT
4+70.00
VOL MILLING: 6.6 CYD
VOL P-401: 6.8 CYD

C

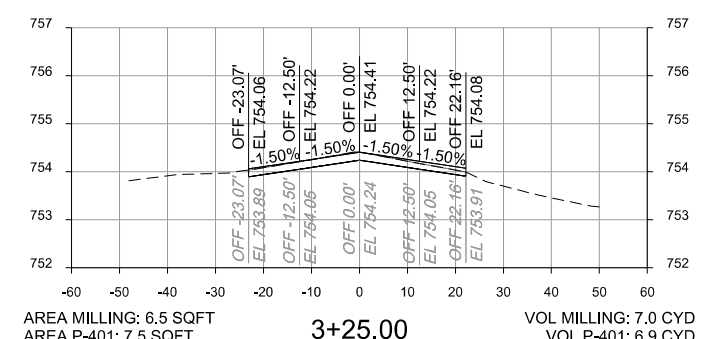


AREA MILLING: 6.9 SQFT
AREA P-401: 7.8 SQFT
3+50.00
VOL MILLING: 6.2 CYD
VOL P-401: 7.1 CYD

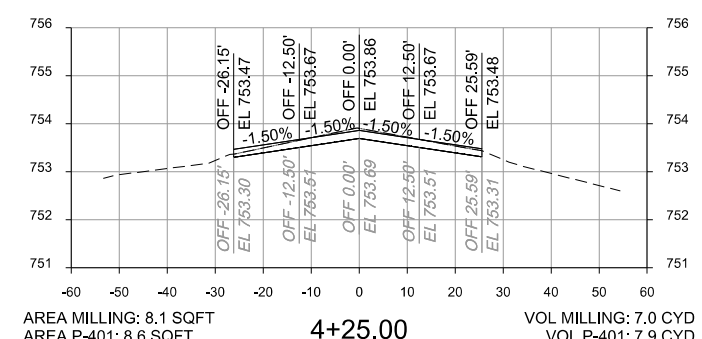


AREA MILLING: 8.6 SQFT
AREA P-401: 8.9 SQFT
4+50.00
VOL MILLING: 7.7 CYD
VOL P-401: 8.1 CYD

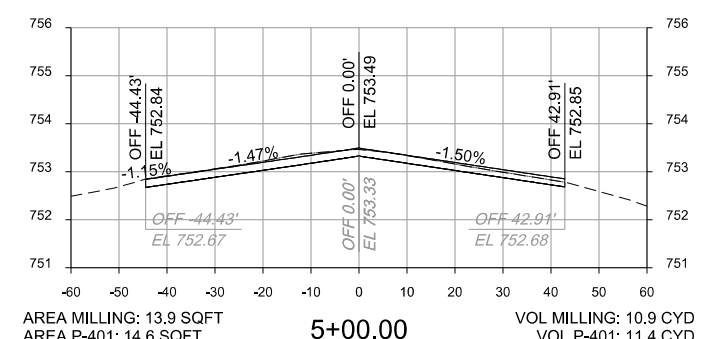
D



AREA MILLING: 6.5 SQFT
AREA P-401: 7.5 SQFT
3+25.00
VOL MILLING: 7.0 CYD
VOL P-401: 6.9 CYD



AREA MILLING: 8.1 SQFT
AREA P-401: 8.6 SQFT
4+25.00
VOL MILLING: 7.0 CYD
VOL P-401: 7.9 CYD



AREA MILLING: 13.9 SQFT
AREA P-401: 14.6 SQFT
5+00.00
VOL MILLING: 10.9 CYD
VOL P-401: 11.4 CYD

CH2MHILL®
CIVIL
**CROSS SECTIONS
PROFILES
TAXIWAY E1**

8501 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631

RUNWAY 10-28 AND
ASSOCIATED TAXIWAY OVERLAY
DUPAGE AIRPORT (DPA)
DUPAGE COUNTY, ILLINOIS

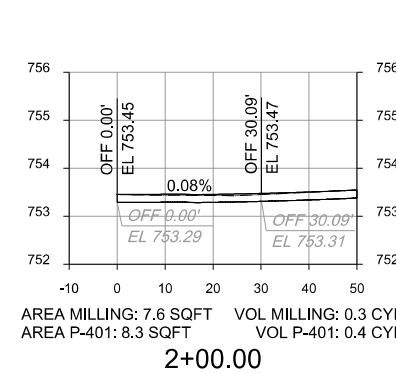
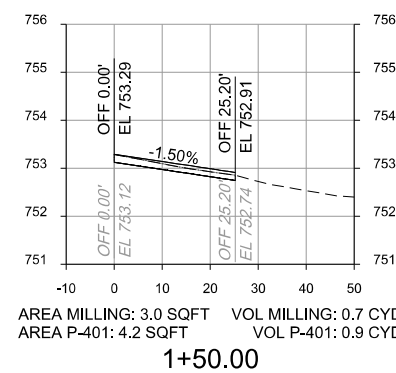
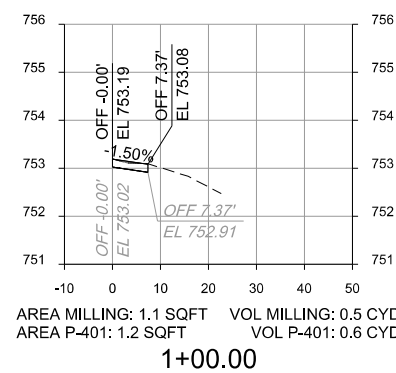
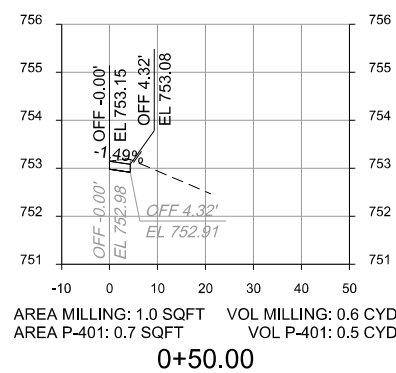
NO.	DATE	BY	CHK	APVD
2012/09/21				

DR	JA	JA	APVD	MV

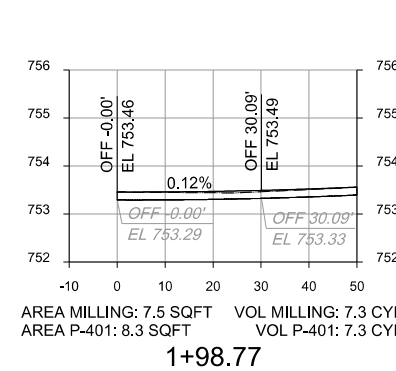
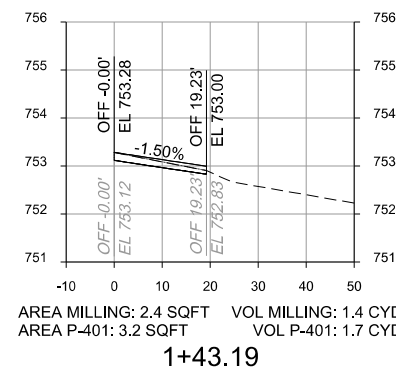
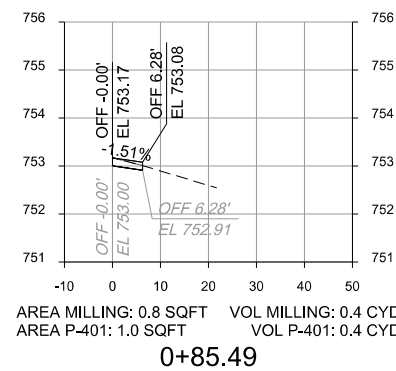
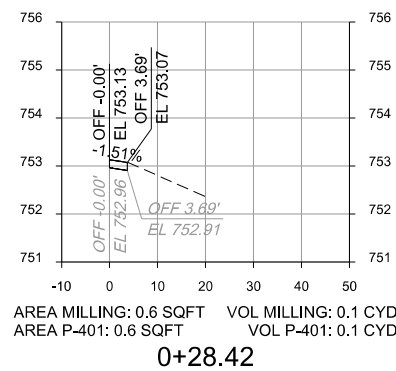
ISSUE FOR BID
REVISION

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-528
SHEET 66 of 68

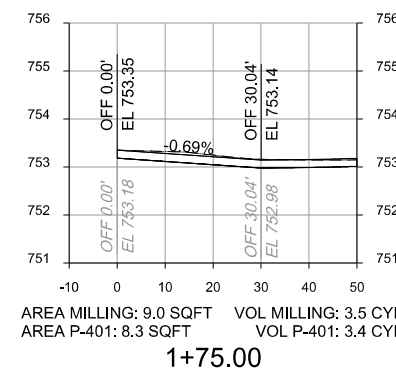
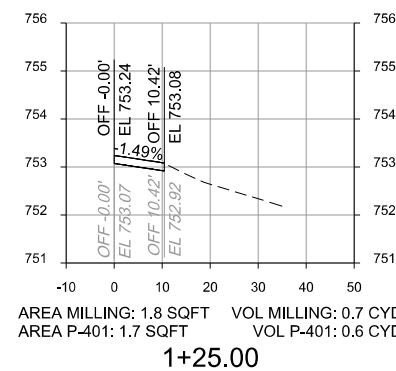
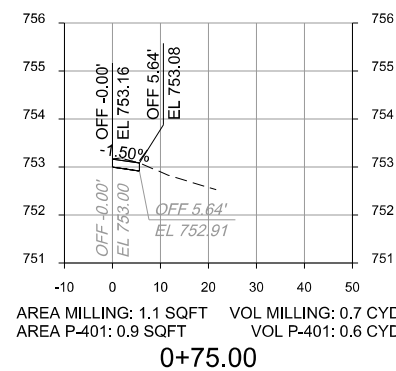
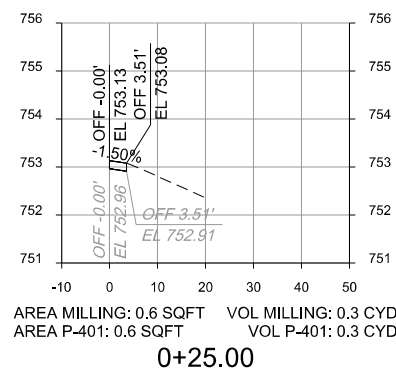
A



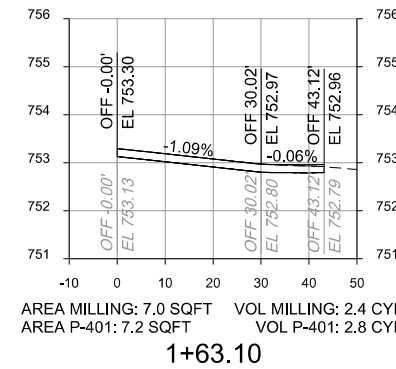
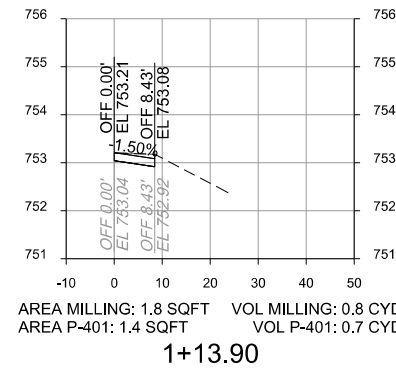
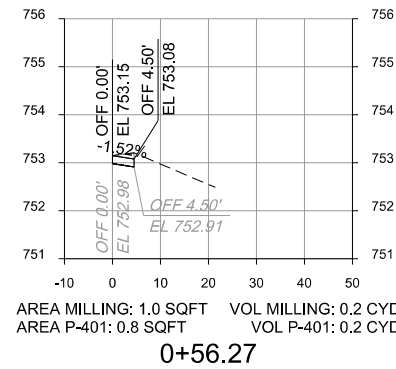
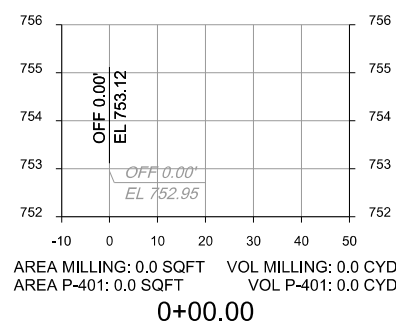
B



C



D



8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

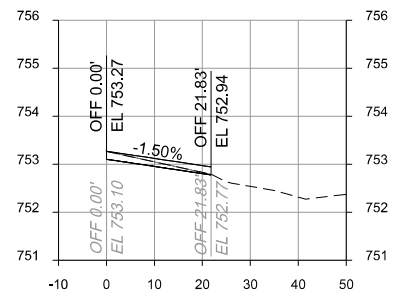
RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

CH2MHILL
 CIVIL
 CROSS SECTIONS
 PROFILES
 TAXIWAY E/E1 INTERSECTION

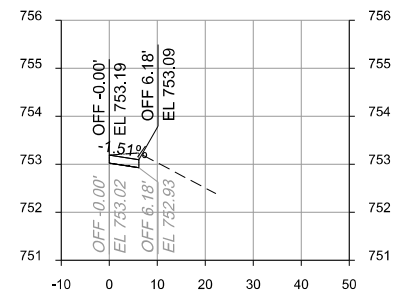
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-529
SHEET 67 of 68

NO.	2012/09/21	ISSUE FOR BID
DSGN	JA	REVISION
DR	JA	APVD
CHK	JA	BY
APVD	JA	APVR
MV	JA	N

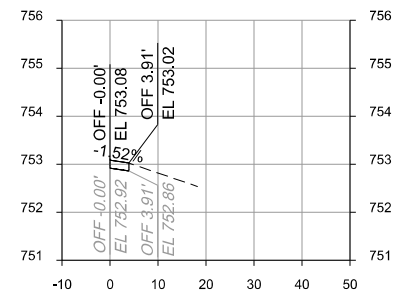
A



AREA MILLING: 1.9 SQFT VOL MILLING: 0.0 CYD
 AREA P-401: 3.6 SQFT VOL P-401: 0.1 CYD
2+50.64

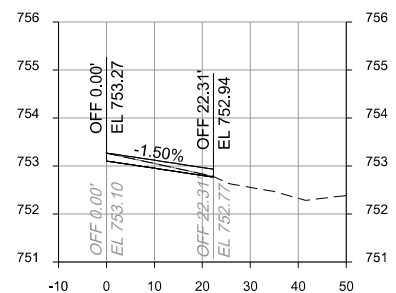


AREA MILLING: 1.5 SQFT VOL MILLING: 0.3 CYD
 AREA P-401: 1.0 SQFT VOL P-401: 0.2 CYD
3+05.25

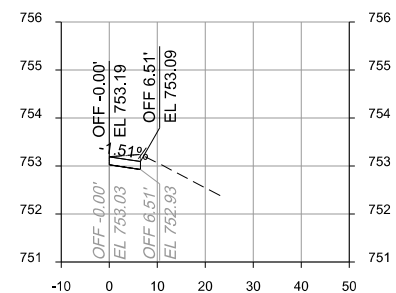


AREA MILLING: 0.7 SQFT VOL MILLING: 0.2 CYD
 AREA P-401: 0.7 SQFT VOL P-401: 0.2 CYD
3+57.74

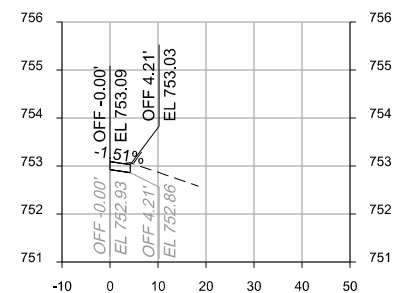
B



AREA MILLING: 2.0 SQFT VOL MILLING: 3.5 CYD
 AREA P-401: 3.7 SQFT VOL P-401: 5.0 CYD
2+50.00

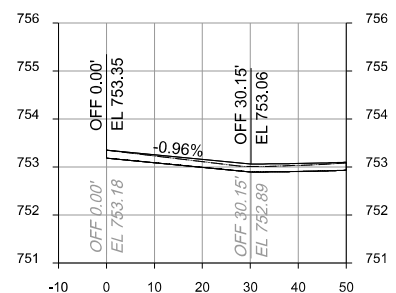


AREA MILLING: 1.6 SQFT VOL MILLING: 1.4 CYD
 AREA P-401: 1.1 SQFT VOL P-401: 1.0 CYD
3+00.00

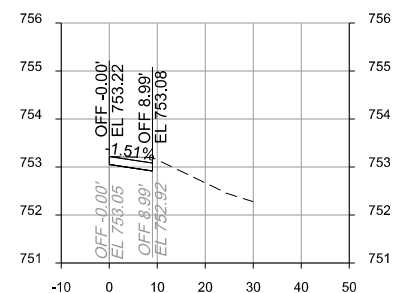


AREA MILLING: 0.7 SQFT VOL MILLING: 0.6 CYD
 AREA P-401: 0.7 SQFT VOL P-401: 0.5 CYD
3+50.00

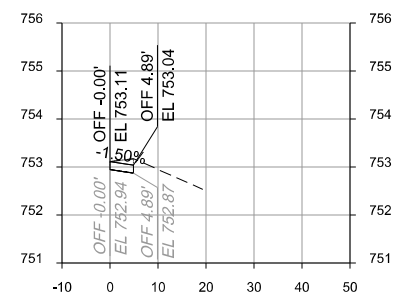
C



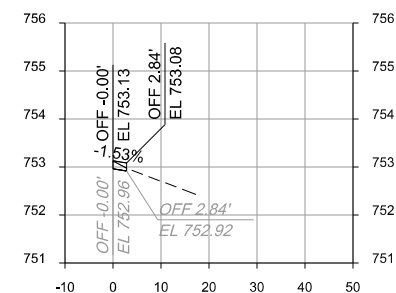
AREA MILLING: 6.5 SQFT VOL MILLING: 0.7 CYD
 AREA P-401: 8.3 SQFT VOL P-401: 0.8 CYD
2+27.66



AREA MILLING: 2.0 SQFT VOL MILLING: 0.3 CYD
 AREA P-401: 1.5 SQFT VOL P-401: 0.3 CYD
2+79.29

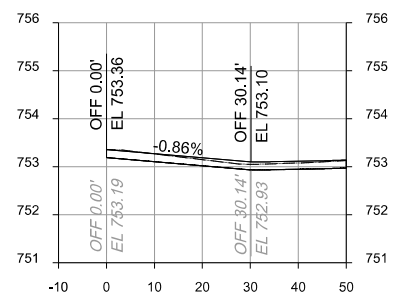


AREA MILLING: 1.1 SQFT VOL MILLING: 0.3 CYD
 AREA P-401: 0.8 SQFT VOL P-401: 0.2 CYD
3+32.25

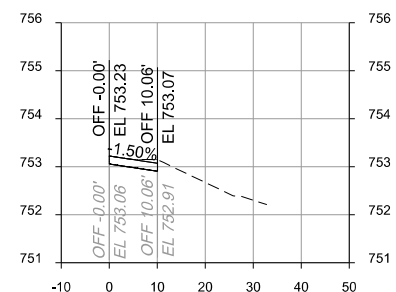


AREA MILLING: 0.3 SQFT VOL MILLING: 0.1 CYD
 AREA P-401: 0.5 SQFT VOL P-401: 0.1 CYD
3+81.17

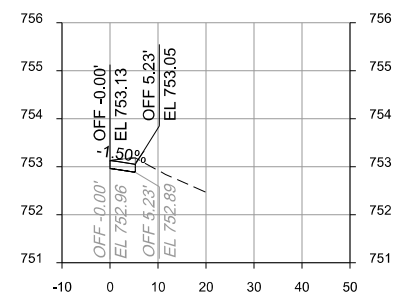
D



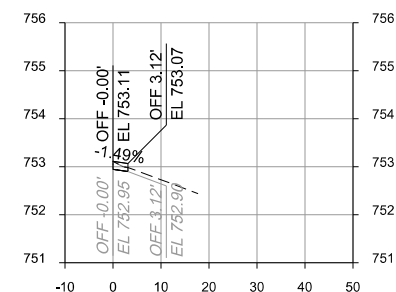
AREA MILLING: 7.0 SQFT VOL MILLING: 6.7 CYD
 AREA P-401: 8.3 SQFT VOL P-401: 7.7 CYD
2+25.00



AREA MILLING: 1.9 SQFT VOL MILLING: 1.7 CYD
 AREA P-401: 1.7 SQFT VOL P-401: 2.4 CYD
2+75.00



AREA MILLING: 1.2 SQFT VOL MILLING: 1.0 CYD
 AREA P-401: 0.9 SQFT VOL P-401: 0.7 CYD
3+25.00



AREA MILLING: 0.4 SQFT VOL MILLING: 0.3 CYD
 AREA P-401: 0.5 SQFT VOL P-401: 0.4 CYD
3+75.00

8501 W. HIGGINS ROAD
 SUITE 300
 CHICAGO, IL 60631

RUNWAY 10-28 AND
 ASSOCIATED TAXIWAY OVERLAY
 DUPAGE AIRPORT (DPA)
 DUPAGE COUNTY, ILLINOIS

CH2MHILL
 CIVIL
 CROSS SECTIONS
 PROFILES
 TAXIWAY E/E1 INTERSECTION

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE 2012/02/03
PROJ 424278
DWG X-530
SHEET 68 of 68

NO.	2012.09/21
DATE	
DSGN	
CHK	JJ
APVD	
BY	
APVR	N
REVISION	
ISSUE FOR BID	