

DUPAGE AIRPORT AUTHORITY

CONSTRUCT WEST END PERIMETER ROADWAY



APRIL 2016

BURNS & MCDONNELL
PROJECT: 88849

IL PROJECT NO. DPA-4300
SBG PROJECT NO. 3-17-SBGP-XX

DUPAGE AIRPORT	
TOWNSHIP: 40 NORTH	WAYNE TOWNSHIP
RANGE: 9 EAST	(SECTIONS: 29,30,31,32)
DUPAGE COUNTY	

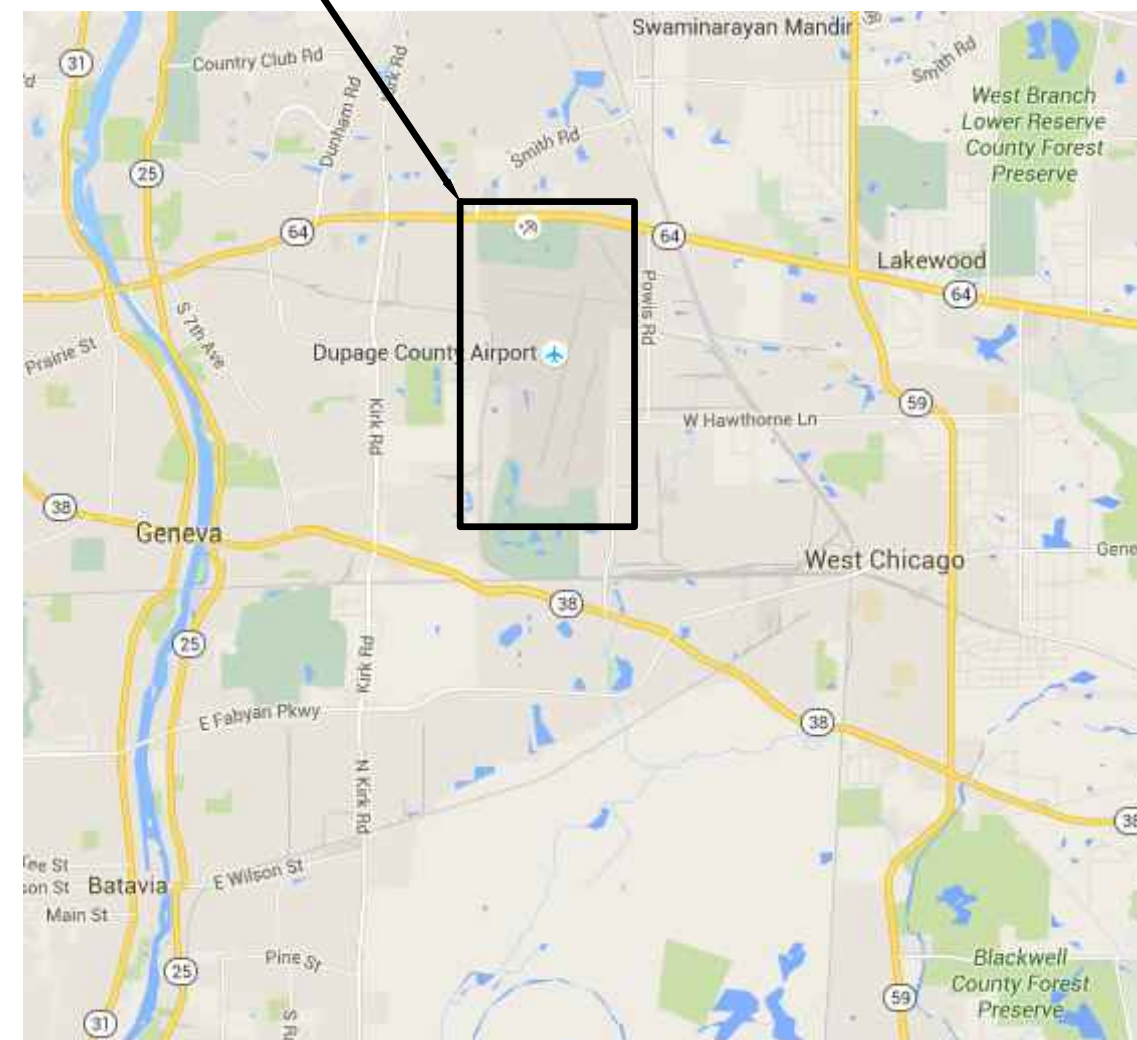
811 Know what's below.
Call before you dig.

J.U.L.I.E.
JOINT UTILITY LOCATING
INFORMATION FOR EXCAVATORS
www.illinois1call.com

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ACTUAL LOCATIONS OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF HIS OPERATIONAL PLANS, OBTAIN FROM RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION AND THE ONE-CALL NOTICE SYSTEM. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH UTILITY OR SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

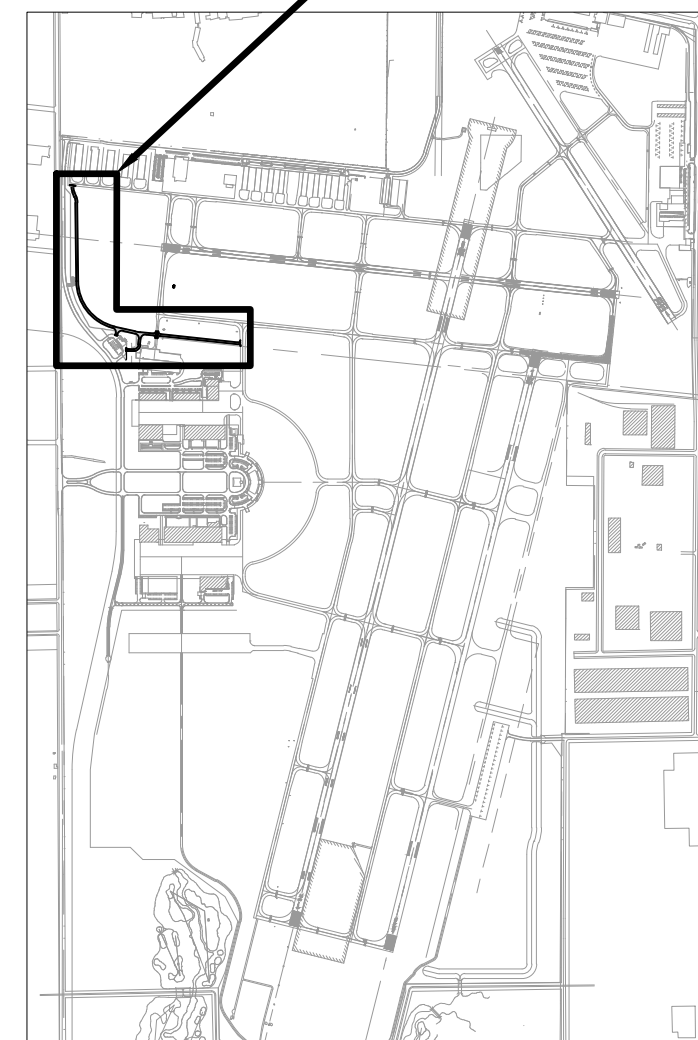
CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 811.

PROJECT LOCATION



LOCATION MAP

PROJECT LOCATION



SITE MAP

BURNS & MCDONNELL

BURNS & MCDONNELL
1431 OPUS PLACE
SUITE 400
DOWNERS GROVE, IL 60515
PHONE (630) 724-3200
FAX (630) 724-3201

BRIAN J. QUINN
062-056758
REGISTERED
PROFESSIONAL
ENGINEER
OF
ILLINOIS

SUBMITTED BY *B. Quinn* EXP. 11/30/17

DATE 4/15/16

DPA

DuPage Airport
2700 INTERNATIONAL DRIVE
SUITE 200
WEST CHICAGO, IL 60185

APPROVED BY *David Bird*
DAVID BIRD - EXECUTIVE DIRECTOR

DATE April 18, 2016

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

BURNS & MCDONNELL

1431 OPUS PLACE, SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
ILLINOIS FIRM REGISTRATION NO. 184-001310

PROJECT ADDRESS:
2700 INTERNATIONAL DRIVE #200
WEST CHICAGO, IL 60185

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

ABBREVIATIONS:

AC	ADVISORY CIRCULAR
AOA	AIR OPERATIONS AREA
ARFF	AIRPORT RESCUE AND FIRE FIGHTING
AWOS	AUTOMATED WEATHER OBSERVATION SYSTEM
BM	BENCHMARK
BP	BEGINNING OF PROFILE
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
CL	CENTERLINE
DAA	DUPAGE AIRPORT AUTHORITY
EA	EACH
EG	EXISTING GROUND
ELEV	ELEVATION
EP	END OF PROFILE
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EX	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FG	FINISHED GRADE
FFE	FINISHED FLOOR ELEVATION
FOD	FOREIGN OBJECT DEBRIS
FT	FEET
GRS	GALVANIZED RIGID STEEL
GRSC	GALVANIZED RIGID STEEL CONDUIT
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
IDOT-DOA	ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF AERONAUTICS
INV	INVERT
LDIN	LEAD-IN APPROACH LIGHTS
LF	LINEAR FOOT
LS	LUMP SUM
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
N	NORTH
NE	NORTHEAST
NO.	NUMBER
NW	NORTHWEST
NTS	NOT TO SCALE
OC	ON-CENTER
OFA	OBJECT FREE AREA
OFZ	OBSTACLE FREE ZONE
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PGE	POROUS GRANULAR EMBANKMENT
PR	PROPOSED
PT	POINT OF TANGENCY
R	RADIUS
RC	REMOVE ADVERSE CROWN
REIL	RUNWAY END IDENTIFIER LIGHTS
RSA	RUNWAY SAFETY AREA
RT	RIGHT
RW	RUNWAY
S	SOUTH
SCH	SCHEDULE
STA	STATION
SW	SOUTHWEST
SY	SQUARE YARD
TBM	TEMPORARY BENCHMARK
TSR	TAXILANE/TAXIWAY SAFETY AREA
TW	TAXIWAY
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VC	VERTICAL CURVE
VERT	VERTICAL
W	WEST

ITEM NO.	PAY ITEM NO.	DESCRIPTION	UOM	QUANTITY
1	AR150520	MOBILIZATION	LS	1
2	AR150530	TRAFFIC MAINTENANCE	LS	1
3	AR108090	1/C #10 XLP-USE	LF	1,782
4	AR108158	1/C #8 3KV UG CABLE IN UD	LF	63
5	AR108710	1/C #10 COUNTERPOISE	LF	594
6	AR108806	6 PAIR CONTROL CABLE	LF	594
7	AR108960	REMOVE CABLE	LF	790
8	AR110212	2" STEEL DUCT, DIRECT BURY	LF	30
9	AR110216	5" STEEL DUCT, DIRECT BURY	LF	60
10	AR110550	SPLIT DUCT	LF	120
11	AR110810	JUNCTION BOX	EA	1
12	AR152410	UNCLASSIFIED EXCAVATION	CY	7,000
13	AR152520	UNDERCUT	SY	833
14	AR156510	SILT FENCE	LF	3,000
15	AR156520	INLET PROTECTION	EA	10
16	AR156531	EROSION CONTROL BLANKET	SY	11,000
17	AR162506	CLASS E FENCE 6"	LF	200
18	AR162900	REMOVE CLASS E FENCE	LF	549
19	AR209600	GEOTEXTILE FABRIC	SY	1,467
20	AR209608	CRUSHED AGGREGATE BASE COURSE - 8"	SY	315
21	AR209610	CRUSHED AGG. BASE COURSE - 10"	SY	8,532
22	AR401610	BITUMINOUS SURFACE COURSE	TON	700
23	AR401900	REMOVE BITUMINOUS PAVEMENT	SY	141
24	AR403610	BITUMINOUS BASE COURSE	TON	1,150
25	AR602510	BITUMINOUS PRIME COAT	GAL	3,905
26	AR603510	BITUMINOUS TACK COAT	GAL	1,171
27	AR620520	PAVEMENT MARKING - WATERBORNE	SF	2,867
28	AR620900	PAVEMENT MARKING REMOVAL	SF	934
29	AR701164	PRECAST CONCRETE BOX CULVERT 6'X4'	LF	67
30	AR701512	12" RCP, CLASS IV	LF	254
31	AR701515	15" RCP, CLASS IV	LF	250
32	AR701524	24" RCP, CLASS IV	LF	171
33	AR751540	MANHOLE 4'	EA	1
34	AR751560	MANHOLE 6'	EA	1
35	AR751600	CATCH BASIN	EA	1
36	AR751906	REMOVE CATCH BASIN	EA	1
37	AR752412	PRECAST REINFORCED CONC. FES 12"	EA	13
38	AR752424	PRECAST REINFORCED CONC. FES 24"	EA	6
39	AR752615	CONCRETE HEADWALL 15"	EA	3
40	AR754410	COMB CONCRETE CURB AND GUTTER	LF	47
41	AR754904	REMOVE COMB CURB AND GUTTER	LF	47
42	AR800147	BOX CULVERT END SECTION	EA	2
43	AR800874	BOX CULVERT GRATING	LS	1
44	AR803060	INFILTRATION TRENCH	SY	150
45	AR901510	SEEDING	ACRE	4.26
46	AR908510	MULCHING	ACRE	4.26
47	AR910200	ROADWAY SIGN	EA	10.00

INDEX OF DRAWINGS	
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CD-102	DEMOLITION PLAN
CD-103	DEMOLITION PLAN
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CU-203	DRAINAGE, SOIL EROSION SEDIMENT CONTROL DETAILS
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CP-102	PAVEMENT MARKING AND SIGNAGE PLAN
CP-103	PAVEMENT MARKING AND SIGNAGE PLAN
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CP-201	PAVEMENT MARKING DETAILS
RF-100	FAA LDIN WIRING DIAGRAM
X-101	CROSS SECTIONS
X-102	CROSS SECTIONS
X-103	CROSS SECTIONS
X-104	CROSS SECTIONS
X-105	CROSS SECTIONS

Scale For Microfining
Millimeters
Inches

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1431 OPUS PLACE, SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN



WEST END PERIMETER ROADWAY
INDEX OF DRAWINGS AND
SUMMARY OF QUANTITIES

project	88849	contract	DPA-4300
drawing	G-002	rev.	—
sheet	of	sheets	file

ACCESS AND SAFETY NOTES:

I. ACCESS AND VEHICLE PARKING:

- A. ACCESS POINT AND HAUL ROUTE FOR ALL CONTRACTOR PERSONNEL, VEHICLES AND EQUIPMENT ARE AS SHOWN ON THE ACCESS, SAFETY AND PHASING PLAN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS AND COORDINATE OFF SITE HAUL ROUTES WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. HAUL ROUTES ARE TO REMAIN CLEAN AT ALL TIMES.
- B. CONTRACTOR SHALL PROVIDE AND INSTALL A PROFESSIONALLY PAINTED SIGN MEETING AIRPORT MANAGER APPROVAL AT THE CONSTRUCTION ENTRANCE TO DIRECT MATERIAL SUPPLIERS AND EMPLOYEES TO THE CONSTRUCTION SITE. THE SIGN SHALL READ "CONSTRUCTION VEHICLES ONLY - NO VENDORS ALLOWED".
- C. ALL CONTRACTOR VEHICLES AND PERSONNEL SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES. NO CONTRACTOR VEHICLES WILL BE ALLOWED ON OTHER AIRFIELD OPERATIONS AREAS.
- D. THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, EQUIPMENT STORAGE AREA, PARKING AREA AND OTHER AREAS DEFINED AS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION SHALL BE MARKED BY THE CONTRACTOR. TEMPORARY BARRICADES, FLAGGING AND FLASHING WARNING LIGHTS WILL BE REQUIRED AT CRITICAL ACCESS POINTS. TYPE OF MARKING AND WARNING DEVICES SHALL BE APPROVED BY THE ENGINEER AND AIRPORT MANAGER.
- E. ALL ACCESS GATES SHALL BE KEPT CLOSED DURING CONTRACTOR'S WORK HOURS. THE CONTRACTOR SHALL CLOSE AND LOCK ACCESS GATE AT THE COMPLETION OF EACH WORK DAY. AIRPORT MANAGER WILL PROVIDE LOCK AND KEYS FOR ACCESS GATE.

II. COORDINATION AND COMMUNICATION DURING CONSTRUCTION:

- A. CONTRACTOR SHALL ADVISE AND THEN VERIFY WITH RESIDENT ENGINEER 72 HOURS IN ADVANCE AS TO THE NEED FOR NOTICES TO AIRMEN (NOTAMS). NO RUNWAY, TAXIWAY OR APRON SHALL BE CLOSED WITHOUT APPROVAL FROM THE AIRPORT MANAGER AND THE RESIDENT ENGINEER.
- B. CONTRACTOR SHALL APPOINT A CONSTRUCTION SUPERINTENDENT, SUBJECT TO THE APPROVAL OF THE AIRPORT MANAGER, WHO SHALL BE PRESENT ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS WHILE JOB IS IN PROGRESS. THE SUPERINTENDENT SHALL BE DESIGNATED THE RESPONSIBLE CONTRACTOR'S REPRESENTATIVE WHO SHALL BE AVAILABLE ON A 24-HOUR BASIS.
- C. PRIOR TO CONSTRUCTION IN THE RESPECTIVE WORK AREAS, THE CONTRACTOR SHALL CORDON OFF THE WORK AREA AS SHOWN ON DRAWING G-004 AND G-005 BY USING BARRICADES AS DETAILED ON G-004. CONTRACTOR SHALL MAINTAIN, MOVE AND REMOVE BARRICADES (AS DIRECTED) TO DELINEATE AREAS CLOSED TO AIRCRAFT TRAFFIC.
- D. PRIOR TO COMMENCEMENT OF CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO AIRPORT MANAGER THE NAME AND TELEPHONE NUMBER OF THE INDIVIDUAL(S) WHO WILL BE ON CALL 24 HOURS PER DAY FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING & BARRICADES.
- E. CONTRACTOR SHALL FURNISH AN AIRPORT RADIO AND CONTINUOUSLY MONITOR AIRCRAFT TRAFFIC ON AND AROUND THE AIRPORT. THE FREQUENCY FOR LOCAL TRAFFIC IS 123.0 MHZ.
- F. PRIOR TO THE COMPLETION OF EACH WORK DAY, ALL AIRFIELD PAVEMENT SURFACES WITHIN AND ADJACENT TO THE WORK AREA AND THOSE USED AS HAUL ROUTES SHALL BE SWEEP CLEAN.

III. TRAFFIC CONTROL:

- A. ALL CONSTRUCTION EQUIPMENT AND VEHICLES SHALL BE MARKED WITH COMPANY PAINT DESIGNS, INSIGNIAS OR OTHER COMPANY MARKINGS, WHICH ARE CLEARLY VISIBLE. CONTRACTOR SHALL PROVIDE EACH VEHICLE WITH A FLAG ON A STAFF ATTACHED TO THE VEHICLE SO THAT THE FLAG WILL BE READILY VISIBLE. THE FLAG SHOULD BE AT LEAST 3 FOOT SQUARE, AND HAVE A CHECKERED PATTERN OF INTERNATIONAL ORANGE AND WHITE.
- B. CONSTRUCTION EQUIPMENT SHALL HAVE AUTOMATIC SIGNALING DEVICES TO SOUND AN ALARM WHEN MOVING IN REVERSE.
- C. ONLY RUBBER TIERED VEHICLES WILL BE ALLOWED ON PAVEMENT.
- D. NO PEDESTRIAN TRAFFIC OUTSIDE THE CONSTRUCTION WORK SITE WILL BE PERMITTED.

- E. ANY DAMAGE TO AIRPORT ROADS, AIRFIELD PAVEMENT, PARKING AREAS, STORAGE AREAS OR TURF AREAS DUE TO CONSTRUCTION EQUIPMENT OR CONSTRUCTION TRAFFIC SHALL BE REPAIRED TO ORIGINAL CONDITION TO THE SATISFACTION OF AND AT NO EXPENSE TO THE OWNER.
- F. ANY WORKERS AND/OR EQUIPMENT NOT IN COMPLIANCE WITH SAFETY PLAN SHALL IMMEDIATELY BE REMOVED FROM THE WORK AREA AND THEY WILL NOT BE PERMITTED TO WORK ON THE SITE THROUGHOUT THE REMAINDER OF THE PROJECT.

IV. EQUIPMENT AND STOCKPILE HEIGHT:

- A. THE MAXIMUM ALLOWABLE HEIGHT OF CONSTRUCTION EQUIPMENT OPERATING IN THE AOA IS 25'. HOWEVER, EQUIPMENT MUST NOT PENETRATE THE OFZ OF ANY ACTIVE RUNWAY AS DEFINED IN FAA AC 150/5300-13, CURRENT VERSION.
- B. CONTRACTOR SHALL NOT STOCKPILE CONSTRUCTION MATERIALS, SPOILS, DEBRIS OR REFUSE IN ANY AREA WHERE SUCH STOCKPILES WOULD PENETRATE APPROACH SURFACES. STOCKPILING OF MATERIAL WITHIN THE SAFETY AREA OF AN ACTIVE RUNWAY OR TAXIWAY IS PROHIBITED.
- C. ALL STOCKPILES ADJACENT TO ACTIVE RUNWAY SAFETY AREAS OR OBSTACLE FREE ZONES SHALL BE IDENTIFIED WITH A 360 DEGREE RED OBSTRUCTION LIGHT PLACED AT THE HIGHEST POINT OF THE STOCKPILE.
- D. STOCKPILED MATERIAL SHALL BE CONTAINED IN A MANNER TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT PROP WASH OR WIND CONDITIONS. IN ADDITION, STOCKPILED MATERIAL SHALL HAVE SILT FENCE PLACED AROUND IT TO PREVENT FOD FROM MOVING ONTO THE AIRFIELD PAVEMENTS OR POLLUTING WATERCOURSES.

V. EXCAVATION AND TRENCHES:

- A. OPEN TRENCHES AND EXCAVATIONS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE BARRICADES WITH FLASHING RED LIGHTS ACCEPTABLE TO THE AIRPORT MANAGER.
- B. ALL CONSTRUCTION AREAS THAT POSE A HAZARD TO OPERATING AIRCRAFT SHALL BE PROPERLY MARKED WITH LOW-PROFILE BARRICADES.
- C. ALL BARRICADES LOCATED WITHIN OR ADJACENT TO AREAS OF AIRCRAFT OPERATION SHALL BE LOW PROFILE TYPE AS DETAILED ON G-004.
- D. LOW PROFILE BARRICADES SHALL BE KEPT OUTSIDE THE LIMITS OF ANY ACTIVE RUNWAY SAFETY AREA OR TAXIWAY SAFETY AREA.

VI. OTHER SAFETY REQUIREMENTS:

- A. CONTRACTOR SHALL MAINTAIN SAFETY PRACTICES THAT CONFORM TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
- B. DEBRIS - WASTE AND LOOSE MATERIALS CAPABLE OF CAUSING DAMAGE TO AIRCRAFT AND HELICOPTER LANDING GEAR, PROPELLERS AND ROTORS SHALL NOT BE LEFT WITHIN ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED IMMEDIATELY.
- C. THE CONTRACTOR SHALL CONTROL BLOWING DUST FROM ANY HAUL ROUTE OR WORK AREA REGARDLESS OF SOURCE.

VII. CONTRACTOR SAFETY PLAN SUBMITTALS:

- A. CONTRACTOR SHALL FURNISH A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) THAT PROVIDES DETAILED INFORMATION REGARDING COMPLIANCE WITH THE PROJECT SAFETY PLAN IN CONJUNCTION WITH HIS/HER PROJECT SCHEDULE. CONTRACTOR SHALL PROVIDE SPCD 7 DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. INFORMATION SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS:
 1. PROPOSED ACCESS POINTS, STAGING AREA AND HAUL ROUTES.
 2. ANY TEMPORARY MARKINGS TO BE USED.
 3. THE LOCATION AND TYPE OF BARRICADES OR OTHER TRAFFIC CONTROL DEVICES.
 4. AREAS TO WHICH CONSTRUCTION OPERATIONS WILL BE LIMITED, ALONG WITH PROPOSED MEASURES TO MINIMIZE THE POSSIBILITY OF CONTRACTOR EQUIPMENT AND/OR WORKERS ACCIDENTALLY ENTERING ANY AOA.
 5. ANY REQUESTED TEMPORARY AMENDMENTS TO THE AIRPORT SECURITY PLAN FOR SPECIAL CONDITION OR MODIFICATIONS.

- B. CONTRACTOR SPCD SHALL COMPLY WITH ALL REQUIREMENTS INDICATED IN THESE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR (AC) 150/5370-2F, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION, CURRENT EDITION.

GENERAL NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AND PAY FOR ALL APPLICABLE PERMITS, FEES AND LICENSES FOR CONSTRUCTION AND EQUIPMENT.
2. TRAFFIC MAINTENANCE, INCLUDING BUT NOT LIMITED TO, BARRICADES, RUNWAY CLOSURE MARKINGS, ETC SHALL BE PAID FOR UNDER PAY ITEM NO. AR150530.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONSTANT COORDINATION BETWEEN THE SUBCONTRACTORS AND THE ENGINEER. ALL CONSTRUCTION ACTIVITIES PLANNED BY THE CONTRACTOR SHALL BE REVIEWED AND APPROVED BY THE ENGINEER AND OWNER.
4. LIMITS OF WORK SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING WORK.
5. THERE SHALL BE NO PERMANENT WASTE SITES ON AIRPORT PROPERTY. ANY TEMPORARY WASTE AREA WILL BE APPROVED BY THE ENGINEER AND SHALL BE KEPT IN A NEAT CONDITION. THE OWNER MAY DIRECT THE CONTRACTOR TO REMOVE WASTE IF NOT PROPERLY MAINTAINED.
6. PRIOR TO COMPLETION OF THE PROJECT THE CONTRACTOR SHALL RESTORE ALL DAMAGED AREAS (NOT DESIGNATED FOR CONSTRUCTION) TO THEIR PRE-CONSTRUCTION CONDITION.
7. LOCATING, FLAGGING, AND PROTECTING THE EXISTING UTILITIES DURING THE DURATION OF THE CONSTRUCTION PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR. THE LOCATIONS OF THE EXISTING UTILITIES ON THE CONTRACT DRAWINGS WERE OBTAINED FROM EXISTING RECORDS AND NO GUARANTEE OF ACCURACY OR SUFFICIENCY FOR THIS INFORMATION IS ASSUMED BY THE OWNER OR ENGINEER. ANY DAMAGE TO ANY EXISTING UTILITIES WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF AND AT NO EXPENSE TO THE OWNER.
8. THE CONSTRUCTION COVERED BY THE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE FAA, IDOT AND IDOT-DOA.
9. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL OF THE ENGINEER.
10. CONTRACTOR SHALL INSTALL TEMPORARY BARRICADES AT TAXIWAY AND ROADWAY CROSSINGS FROM TIME OF DEMOLITION UNTIL PAVEMENT HAS REACHED 70 PERCENT OF DESIGN STRENGTH.
11. CONTRACTOR SHALL VERIFY WITH THE DUPAGE AIRPORT AUTHORITY AND ASSOCIATED UTILITY COMPANIES AND AGENCIES THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
12. CONTRACTOR SHALL EXAMINE THE FINISHED SURFACE, GRADES, TOPSOIL QUALITY, AND TOPSOIL DEPTH PRIOR TO LANDSCAPING. NO WORK SHALL BE CONDUCTED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. CONTRACTOR SHALL VERIFY LIMITS OF WORK BEFORE STARTING.
13. CONTRACTOR SHALL IMPORT AND/OR PROVIDE SALVAGED TOPSOIL MEETING THE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
14. THE CONTRACTOR SHALL FURNISH AND PLACE A MINIMUM OF 5.00 INCHES OF TOPSOIL, WITH THE LOWER PORTION BLENDED INTO EXISTING SOILS.
15. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FOR ALL LANDSCAPE AND LAWN AREAS.
16. PROPOSED ELEVATIONS INDICATED ARE FOR TOP OF FINAL GRADE, PAVEMENT, OR STRUCTURE UNLESS INDICATED OTHERWISE.
17. ELEVATIONS DENOTED AS "MATCH" ARE INTENDED TO MEET EXISTING GRADE ELEVATIONS. CONTRACTOR SHALL VERIFY ELEVATIONS AT TIE-INS AND MATCH POINTS PRIOR TO BEGINNING CONSTRUCTION.

- 18. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. ANY DRAINAGE FEATURE OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER SUBJECT TO THE APPROVAL OF THE CLIENT REPRESENTATIVE.
- 19. THE CONTRACTOR SHALL REMOVE STANDING WATER FROM THE PROJECT WORK LIMITS AS NECESSARY TO PROTECT SUBGRADE, SUBBASE, AND/OR BASE COURSE TO NEW PAVEMENT, SURROUNDING PAVEMENT-TO-REMAIN, OR OTHER COMPLETED WORKS.
- 20. CONNECTION TO EXISTING WATER, SEWER, AND STORM MAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL REQUIREMENTS OF ASSOCIATED UTILITY COMPANIES AND AGENCIES.
- 21. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING ALL UTILITY CONNECTION FEES AND OBTAINING ALL PERMITS REQUIRED FOR THE UTILITY CONSTRUCTION AND CONNECTIONS. THIS INCLUDES ALL FEES ASSOCIATED WITH CONNECTION CHARGES AND METERS.

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

Millimeters

Scale For Microfilming

Inches

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1431 OPUS PLACE, SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184-001310

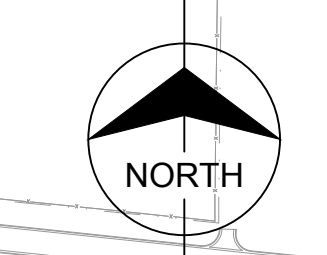
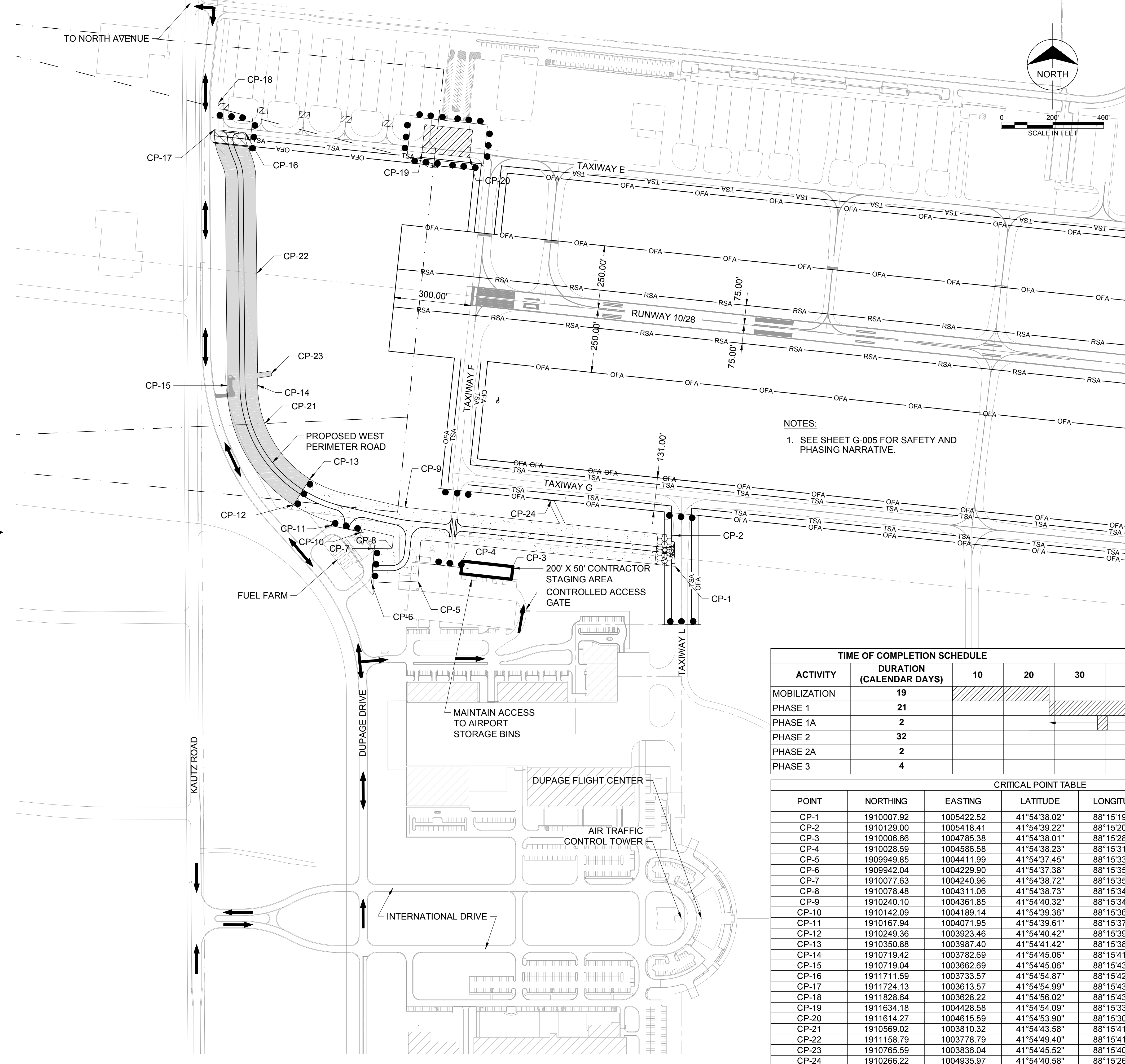
date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN



WEST END PERIMETER ROADWAY
CONTRACTOR ACCESS
AND SAFETY NOTES

project	88849	contract	DPA-4300
drawing	G-003	rev.	—
sheet	of	sheets	
file			

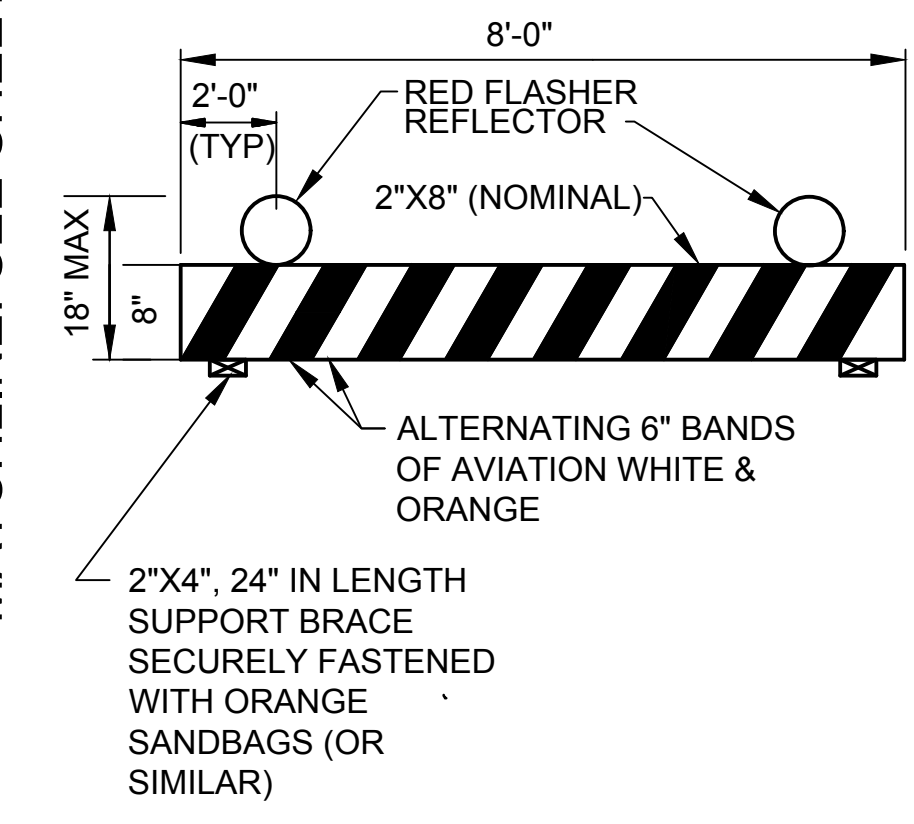
1 2 3 4 5 6 7 8 9 10 11 12 13



- LEGEND:**
- RUNWAY APPROACH OR PART 77 SURFACE
 - PHASE 1 WORK LIMITS
 - PHASE 1A WORK LIMITS
 - PHASE 2 WORK LIMITS
 - PHASE 2A WORK LIMITS
 - PHASE 3 WORK LIMITS
 - LOW PROFILE BARRICADES
 - CONTRACTOR ACCESS ROUTE
 - PART 77 APPROACH AND TRANSITIONAL SURFACE

MATCHLINE: SEE SHEET G-005

NOTES:
1. SEE SHEET G-005 FOR SAFETY AND PHASING NARRATIVE.



LOW PROFILE BARRICADE
DETAIL
NOT TO SCALE

TIME OF COMPLETION SCHEDULE									
ACTIVITY	DURATION (CALENDAR DAYS)	10	20	30	40	50	60	70	80
MOBILIZATION	19	[shaded]							
PHASE 1	21		[shaded]						
PHASE 1A	2			[shaded]					
PHASE 2	32					[shaded]			
PHASE 2A	2						[shaded]		
PHASE 3	4								[shaded]

CRITICAL POINT TABLE						
POINT	NORTHING	EASTING	LATITUDE	LONGITUDE	EG ELEVATION	MAX EQUIPMENT HEIGHT (FT)
CP-1	1910007.92	1005422.52	41°54'38.02"	88°15'19.97"	752.20	25.00
CP-2	1910129.00	1005418.41	41°54'39.22"	88°15'20.03"	752.24	25.00
CP-3	1910006.66	1004785.38	41°54'38.01"	88°15'28.40"	753.37	25.00
CP-4	1910028.59	1004586.58	41°54'38.23"	88°15'31.03"	752.91	25.00
CP-5	1909949.85	1004411.99	41°54'37.45"	88°15'33.34"	753.77	25.00
CP-6	1909942.04	1004229.90	41°54'37.38"	88°15'35.75"	753.42	25.00
CP-7	1910077.63	1004240.96	41°54'38.72"	88°15'35.60"	755.22	25.00
CP-8	1910078.48	1004311.06	41°54'38.73"	88°15'34.67"	747.22	25.00
CP-9	1910240.10	1004361.85	41°54'40.32"	88°15'34.00"	749.69	25.00
CP-10	1910142.09	1004189.14	41°54'39.36"	88°15'36.29"	754.71	25.00
CP-11	1910167.94	1004071.95	41°54'39.61"	88°15'37.83"	753.34	25.00
CP-12	1910249.36	1003923.46	41°54'40.42"	88°15'39.80"	749.70	25.00
CP-13	1910350.88	1003987.40	41°54'41.42"	88°15'38.95"	748.48	25.00
CP-14	1910719.42	1003782.69	41°54'45.06"	88°15'41.65"	749.89	25.00
CP-15	1910719.04	1003662.69	41°54'45.06"	88°15'43.24"	751.00	25.00
CP-16	1911711.59	1003733.57	41°54'54.87"	88°15'42.29"	756.24	25.00
CP-17	1911724.13	1003613.57	41°54'54.99"	88°15'43.88"	756.00	25.00
CP-18	1911828.64	1003628.22	41°54'56.02"	88°15'43.69"	756.50	25.00
CP-19	1911634.18	1004428.58	41°54'54.09"	88°15'33.10"	753.04	25.00
CP-20	1911614.27	1004615.59	41°54'53.90"	88°15'30.63"	752.65	25.00
CP-21	1910569.02	1003810.32	41°54'43.58"	88°15'41.29"	748.34	25.00
CP-22	1911158.79	1003778.79	41°54'49.40"	88°15'41.70"	753.72	25.00
CP-23	1910765.59	1003836.04	41°54'45.52"	88°15'40.95"	749.71	25.00
CP-24	1910266.22	1004935.97	41°54'40.58"	88°15'26.41"	750.44	25.00

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

BURNS MEDONNELL
1431 OPUS PLACE, SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	J. YAHYA
designed	J. YAHYA	checked	B. QUINLAN

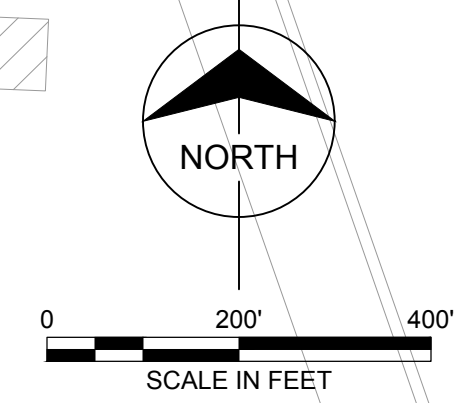
DUPAGE AIRPORT AUTHORITY
DuPage, Illinois

WEST END PERIMETER ROADWAY	
CONTRACTOR ACCESS, STAGING AND SAFETY PLAN	
project	88849
contract	DPA-4300
drawing	G-004
rev.	
sheet	of
file	sheets

Scale For Microfitting
Millimeters
Inches

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no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID



LEGEND:
 CONTRACTOR HAUL ROUTE
 PART 77 APPROACH AND TRANSITIONAL SURFACE

NOTES:
 1. STOCKPILE AREA FOR TOPSOIL AND EXCAVATION MATERIAL IS SUBJECT TO CHANGE, BUT SHALL BE NO FURTHER THAN 5 MILES FROM THE PROJECT SITE.

SAFETY & PHASING NARRATIVE

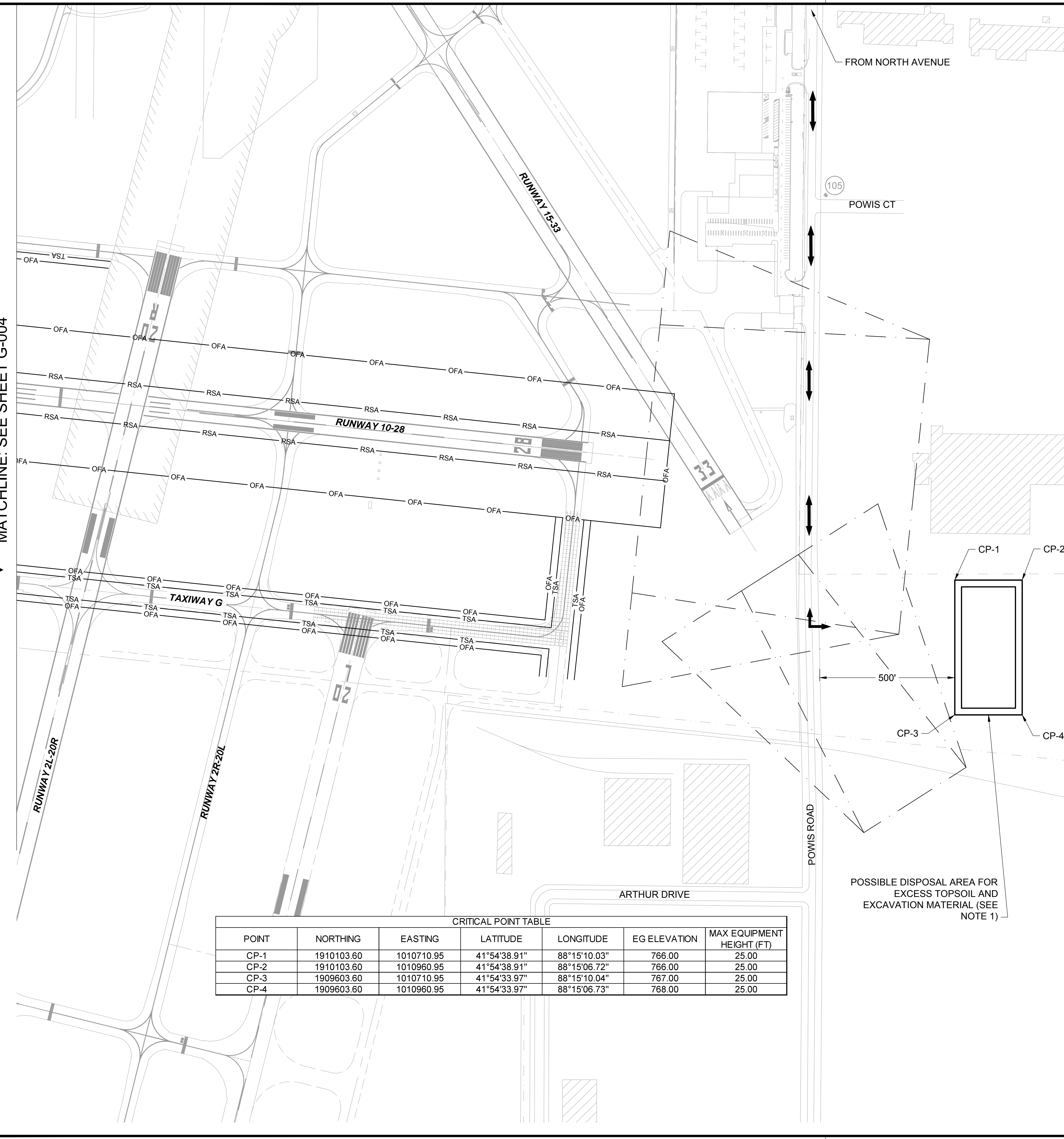
PHASE 1 - RUNWAY 10-28 OPEN
 SERVICE ROAD CLOSED (SOUTH OF TAXIWAY F)
 DURATION: 21 CALENDAR DAYS
 MAJOR WORK ITEMS:
 - PLACE AND MAINTAIN BARRICADES / REMOVE BARRICADES
 - INSTALL EROSION CONTROL
 - EARTHWORK
 - INSTALL STORM SEWER AND BOX CULVERT
 - AGGREGATE BASE INSTALLATION / SURFACE PAVING
 - INSTALL FENCE
 - PAVEMENT MARKING AND SIGNAGE
 GENERAL SAFETY REQUIREMENTS:
 - REFER TO ACCESS AND SAFETY NOTES ON DRAWING G-003

PHASE 1A - RUNWAY 10-28 OPEN
 TAXIWAY L CLOSED
 DURATION: 2 CALENDAR DAYS
 MAJOR WORK ITEMS:
 - PLACE AND MAINTAIN BARRICADES / REMOVE BARRICADES
 - AGGREGATE BASE INSTALLATION / SURFACE PAVING
 - PAVEMENT MARKING AND SIGNAGE
 GENERAL SAFETY REQUIREMENTS:
 - REFER TO ACCESS AND SAFETY NOTES ON DRAWING G-003

PHASE 2 - RUNWAY 10-28 OPEN (CLOSE FOR CONSTRUCTION OPERATIONS PENETRATING APPROACH SURFACE AND/OR IMPACTING LDIN SYSTEM)
 DURATION: 32 CALENDAR DAYS
 MAJOR WORK ITEMS:
 - PLACE AND MAINTAIN BARRICADES / REMOVE BARRICADES
 - INSTALL EROSION CONTROL
 - EARTHWORK
 - INSTALL STORM SEWER
 - AGGREGATE BASE INSTALLATION / SURFACE PAVING
 - RELOCATE COMED DUCTBANK
 - RELOCATE FAA CABLE
 - PAVEMENT MARKING
 GENERAL SAFETY REQUIREMENTS:
 - REFER TO ACCESS AND SAFETY NOTES ON DRAWING G-003

PHASE 2A - RUNWAY 10-28 OPEN
 TAXIWAY E (WEST) CLOSED
 DURATION: 2 CALENDAR DAYS
 MAJOR WORK ITEMS:
 - PLACE AND MAINTAIN BARRICADES / REMOVE BARRICADES
 - AGGREGATE BASE INSTALLATION / SURFACE PAVING
 - PAVEMENT MARKING AND SIGNAGE.
 GENERAL SAFETY REQUIREMENTS:
 - REFER TO ACCESS AND SAFETY NOTES ON DRAWING G-003

PHASE 3 - RUNWAY 10-28 OPEN
 TAXIWAY E (WEST) CLOSED
 DURATION: 4 CALENDAR DAYS
 MAJOR WORK ITEMS:
 - PLACE AND MAINTAIN BARRICADES / REMOVE BARRICADES
 - PAVEMENT MARKING REMOVAL
 - PAVEMENT MARKING
 GENERAL SAFETY REQUIREMENTS:
 - REFER TO ACCESS AND SAFETY NOTES ON DRAWING G-003



POINT	NORTHING	EASTING	LATITUDE	LONGITUDE	EG ELEVATION	MAX EQUIPMENT HEIGHT (FT)
CP-1	1910103.60	1010710.95	41°54'38.91"	88°15'10.03"	766.00	25.00
CP-2	1910103.60	1010960.95	41°54'38.91"	88°15'06.72"	766.00	25.00
CP-3	1909603.60	1010710.95	41°54'33.97"	88°15'10.04"	767.00	25.00
CP-4	1909603.60	1010960.95	41°54'33.97"	88°15'06.73"	768.00	25.00

MATCHLINE: SEE SHEET G-004

Millimeters

Scale For Microfitting

Inches

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 DOWNERS GROVE, IL 60515
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date	JANUARY 25, 2016	detailed	J. YAHYA
designed	J. YAHYA	checked	B. QUINLAN



DuPage, Illinois

WEST END PERIMETER ROADWAY

CONTRACTOR ACCESS AND SAFETY PLAN

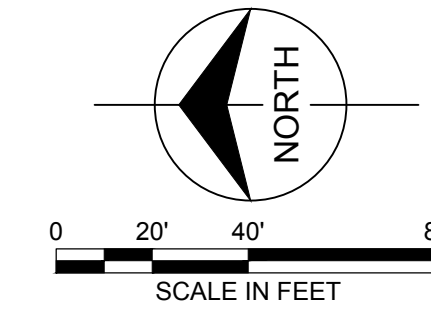
project	88849	contract	DPA-4300
drawing	G-005	rev.	
sheet	of	sheets	
file			

LEGEND:

- ST--- EXISTING STORM SEWER
- SS--- EXISTING SANITARY SEWER
- G--- EXISTING GAS SEWER
- W--- EXISTING WATERMAIN
- UD--- EXISTING UNDERDRAIN
- E--- EXISTING BURIED ELECTRIC CABLE
- --- PROPERTY LINE
- X- EXISTING FENCE
- FAA--- EXISTING LDIN/REIL CABLES (6 PR #19A FLASHER CONTROL CABLES 3-1/C #10 TYPE USE POWER CABLES 1-#6 BARE COPPER STATION TO STATION GROUNDING CONDUCTER)
- EXISTING MANHOLE
- EXISTING LDIN TOWER
- ⊕ EXISTING FIRE HYDRANT
- ⊕ EXISTING VALVE
- ▨ EXISTING GRAVEL DRIVE
- ▨ EXISTING ELECTRICAL DUCT
- FAA--- EXISTING LDIN/REIL CABLES (6 PR #19A FLASHER CONTROL CABLES 3-1/C #10 TYPE USE POWER CABLES 1-#6 BARE COPPER STATION TO STATION GROUNDING CONDUCTER)
- ▨ TOPSOIL STRIPPING
- ▨ REMOVE AND REPLACE BITUMINOUS PAVEMENT FULL DEPTH (VARIES 3"-8")
- ▬ REMOVE CONCRETE CURB AND GUTTER
- xxxxxxx UTILITY OR FENCE REMOVAL
- LDIN TOWER

NOTES:

1. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL ITEMS TO REMAIN AND MUST REPAIR OR REPLACE ANY DAMAGED EQUIPMENT TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
2. CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE OF SHUTTING DOWN THE LDIN SYSTEM AND REMOVING FAA CABLES.
3. CONTRACTOR SHALL DISCONNECT CABLE AT EACH EDGE LIGHT AND REMOVE CABLE. CONTRACTOR SHALL INSTALL A TEMPORARY ABOVE GRADE JUMPER CABLE TO MAINTAIN THE EDGE LIGHTING CIRCUIT. THE COST OF WHICH SHALL BE INCIDENTAL TO THE INSTALLATION OF NEW PERMANENT CABLE.



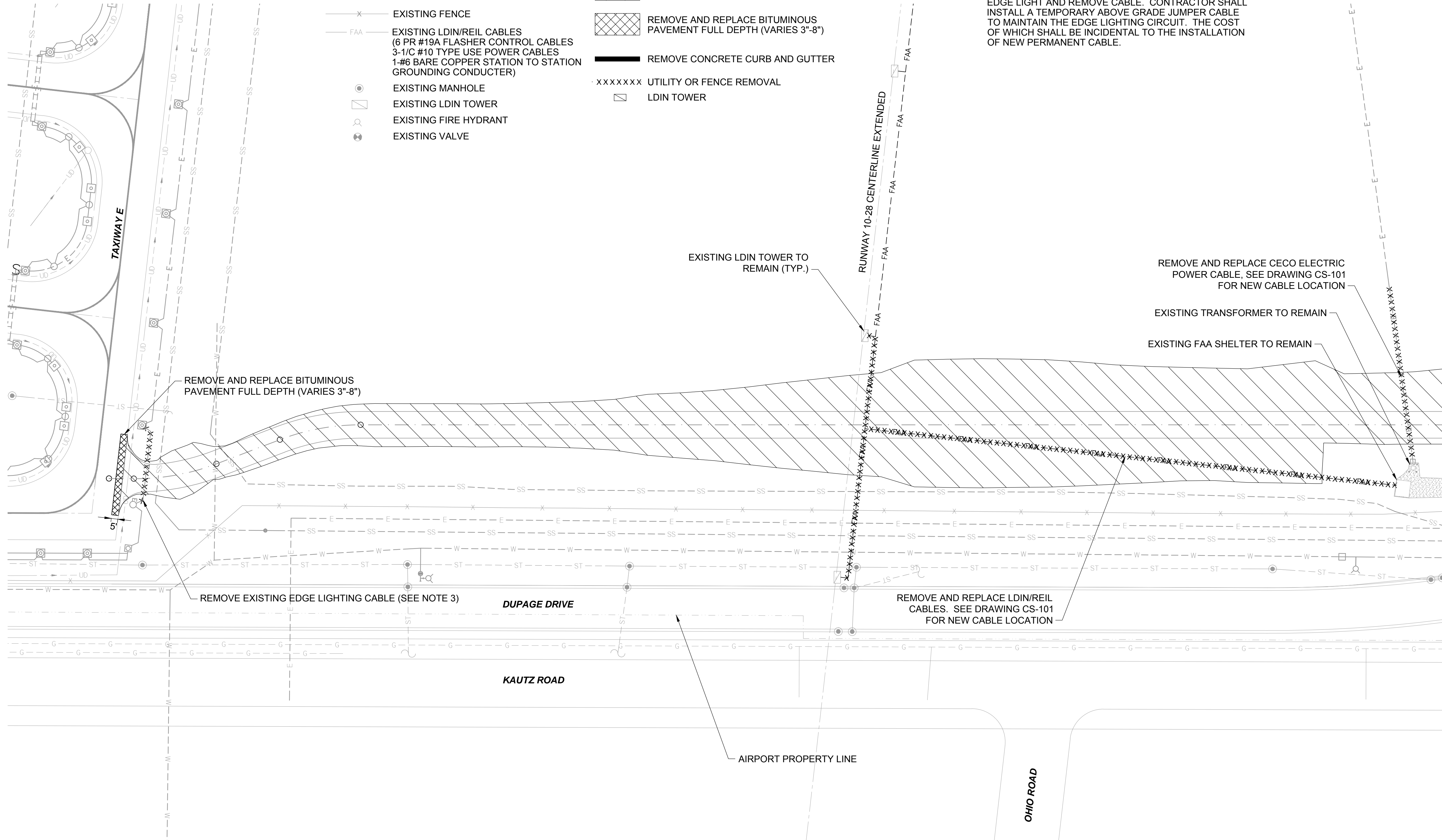
Scale For Microfilming

Inches



Millimeters

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MATCHLINE: SEE SHEET CD-102

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

**BURNS
MCDONNELL**

1431 OPUS PLACE, SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B. QUINLAN

**DUPAGE AIRPORT
AUTHORITY**

DuPage, Illinois

WEST END PERIMETER ROADWAY	
DEMOLITION PLAN	
project	contract
88849	DPA-4300
drawing	rev.
CD-101 —	
sheet	of sheets
file	

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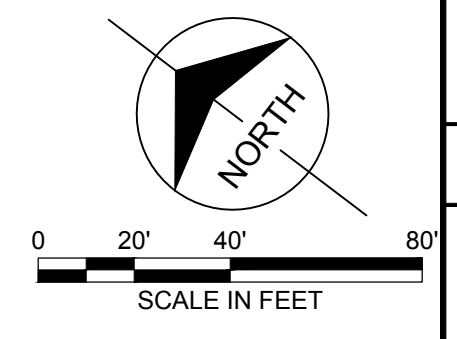
LEGEND:

- ST--- EXISTING STORM SEWER
- SS--- EXISTING SANITARY SEWER
- G--- EXISTING GAS SEWER
- W--- EXISTING WATERMAIN
- UD--- EXISTING UNDERDRAIN
- E--- EXISTING BURIED ELECTRIC CABLE
- --- PROPERTY LINE
- FAA EXISTING LDIN/REIL CABLES
(6 PR #19A FLASHER CONTROL CABLES
3-1/C #10 TYPE USE POWER CABLES
1-#6 BARE COPPER STATION TO STATION
GROUNDING CONDUCTER)
- EXISTING MANHOLE
- EXISTING LDIN TOWER
- ⊕ EXISTING FIRE HYDRANT
- ⊗ EXISTING VALVE

- EXISTING GRAVEL DRIVE
- EXISTING ELECTRICAL DUCT
- FAA EXISTING LDIN/REIL CABLES
(6 PR #19A FLASHER CONTROL CABLES
3-1/C #10 TYPE USE POWER CABLES
1-#6 BARE COPPER STATION TO STATION
GROUNDING CONDUCTER)
- TOPSOIL STRIPPING
- REMOVE AND REPLACE BITUMINOUS
PAVEMENT FULL DEPTH (VARIES 3"-8")
- REMOVE CONCRETE CURB AND GUTTER
- xxxxxxx UTILITY OR FENCE REMOVAL
- LDIN TOWER

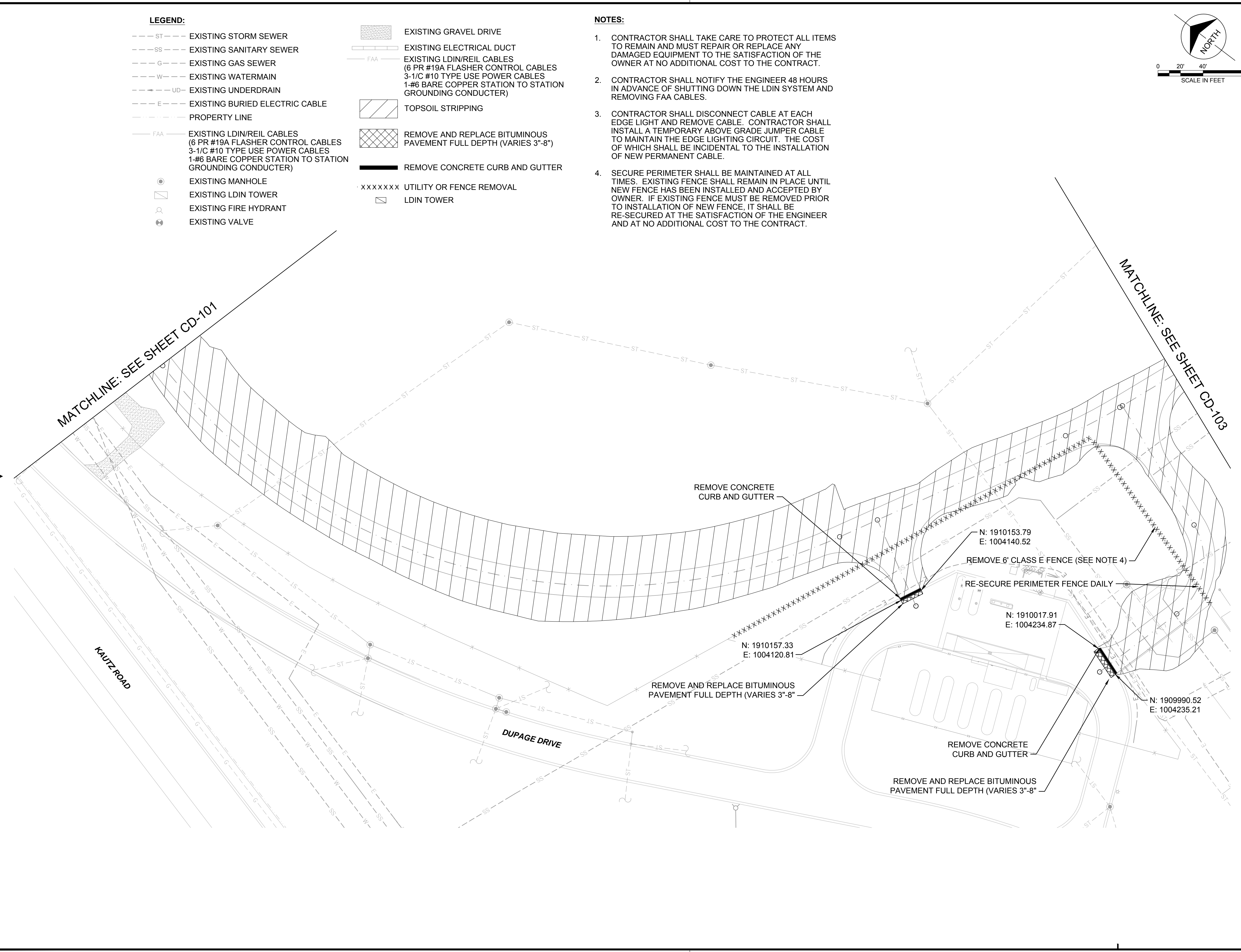
NOTES:

1. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL ITEMS TO REMAIN AND MUST REPAIR OR REPLACE ANY DAMAGED EQUIPMENT TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
2. CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE OF SHUTTING DOWN THE LDIN SYSTEM AND REMOVING FAA CABLES.
3. CONTRACTOR SHALL DISCONNECT CABLE AT EACH EDGE LIGHT AND REMOVE CABLE. CONTRACTOR SHALL INSTALL A TEMPORARY ABOVE GRADE JUMPER CABLE TO MAINTAIN THE EDGE LIGHTING CIRCUIT. THE COST OF WHICH SHALL BE INCIDENTAL TO THE INSTALLATION OF NEW PERMANENT CABLE.
4. SECURE PERIMETER SHALL BE MAINTAINED AT ALL TIMES. EXISTING FENCE SHALL REMAIN IN PLACE UNTIL NEW FENCE HAS BEEN INSTALLED AND ACCEPTED BY OWNER. IF EXISTING FENCE MUST BE REMOVED PRIOR TO INSTALLATION OF NEW FENCE, IT SHALL BE RE-SECURED AT THE SATISFACTION OF THE ENGINEER AND AT NO ADDITIONAL COST TO THE CONTRACT.



no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

Millimeters
 Scale For Microfining
 Inches



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1431 OPUS PLACE, SUITE 400
 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184-001310

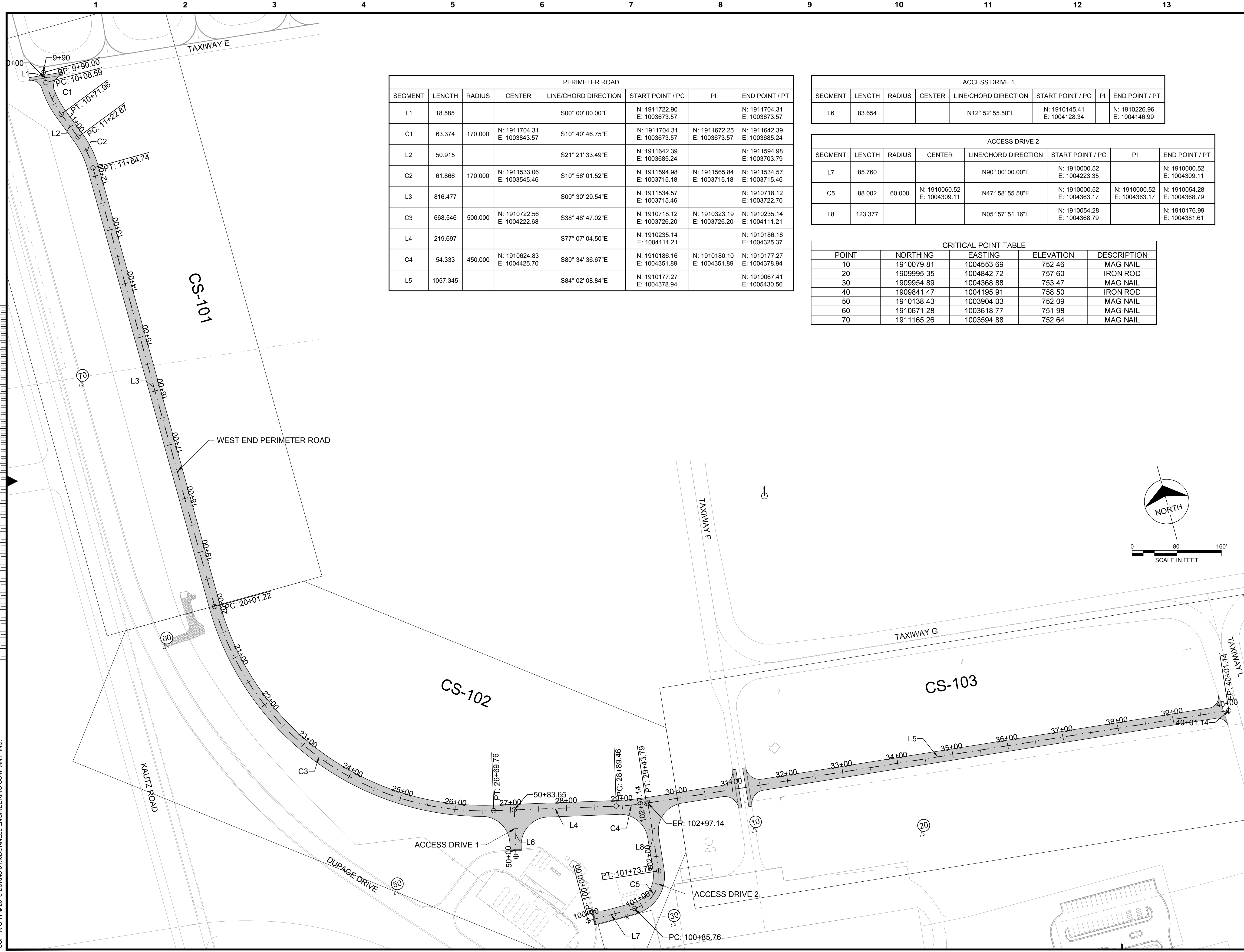
date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN



DuPage, Illinois

WEST END PERIMETER ROADWAY
 DEMOLITION PLAN

project	88849	contract	DPA-4300
drawing	CD-102	rev.	
sheet	of	sheets	
file			



PERIMETER ROAD							
SEGMENT	LENGTH	RADIUS	CENTER	LINE/CHORD DIRECTION	START POINT / PC	PI	END POINT / PT
L1	18.585			S00° 00' 00.00"E	N: 1911722.90 E: 1003673.57		N: 1911704.31 E: 1003673.57
C1	63.374	170.000	N: 1911704.31 E: 1003843.57	S10° 40' 46.75"E	N: 1911704.31 E: 1003673.57	N: 1911672.25 E: 1003673.57	N: 1911642.39 E: 1003685.24
L2	50.915			S21° 21' 33.49"E	N: 1911642.39 E: 1003685.24		N: 1911594.98 E: 1003703.79
C2	61.866	170.000	N: 1911533.06 E: 1003545.46	S10° 56' 01.52"E	N: 1911594.98 E: 1003715.18	N: 1911565.84 E: 1003715.18	N: 1911534.57 E: 1003715.46
L3	816.477			S00° 30' 29.54"E	N: 1911534.57 E: 1003715.46		N: 1910718.12 E: 1003722.70
C3	668.546	500.000	N: 1910722.56 E: 1004222.68	S38° 48' 47.02"E	N: 1910718.12 E: 1003726.20	N: 1910323.19 E: 1003726.20	N: 1910235.14 E: 1004111.21
L4	219.697			S77° 07' 04.50"E	N: 1910235.14 E: 1004111.21		N: 1910186.16 E: 1004325.37
C4	54.333	450.000	N: 1910624.83 E: 1004425.70	S80° 34' 36.67"E	N: 1910186.16 E: 1004351.89	N: 1910180.10 E: 1004351.89	N: 1910177.27 E: 1004378.94
L5	1057.345			S84° 02' 08.84"E	N: 1910177.27 E: 1004378.94		N: 1910067.41 E: 1005430.56

ACCESS DRIVE 1							
SEGMENT	LENGTH	RADIUS	CENTER	LINE/CHORD DIRECTION	START POINT / PC	PI	END POINT / PT
L6	83.654			N12° 52' 55.50"E	N: 1910145.41 E: 1004128.34		N: 1910226.96 E: 1004146.99

ACCESS DRIVE 2							
SEGMENT	LENGTH	RADIUS	CENTER	LINE/CHORD DIRECTION	START POINT / PC	PI	END POINT / PT
L7	85.760			N90° 00' 00.00"E	N: 1910000.52 E: 1004223.35		N: 1910000.52 E: 1004309.11
C5	88.002	60.000	N: 1910060.52 E: 1004309.11	N47° 58' 55.58"E	N: 1910000.52 E: 1004363.17	N: 1910000.52 E: 1004363.17	N: 1910054.28 E: 1004368.79
L8	123.377			N05° 57' 51.16"E	N: 1910054.28 E: 1004368.79		N: 1910176.99 E: 1004381.61

CRITICAL POINT TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
10	1910079.81	1004553.69	752.46	MAG NAIL
20	1909995.35	1004842.72	757.60	IRON ROD
30	1909954.89	1004368.88	753.47	MAG NAIL
40	1909841.47	1004195.91	758.50	IRON ROD
50	1910138.43	1003904.03	752.09	MAG NAIL
60	1910671.28	1003618.77	751.98	MAG NAIL
70	1911165.26	1003594.88	752.64	MAG NAIL

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

BURNS MEDONNELL
 1431 OPUS PLACE, SUITE 400
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 630-724-3200
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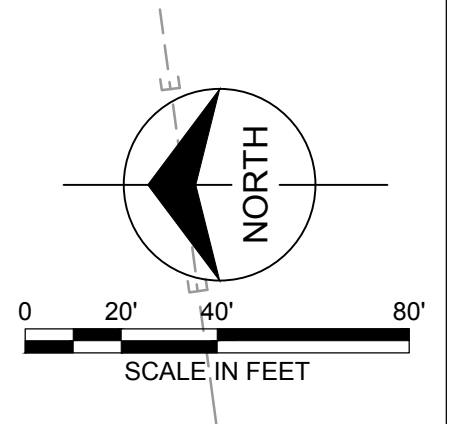
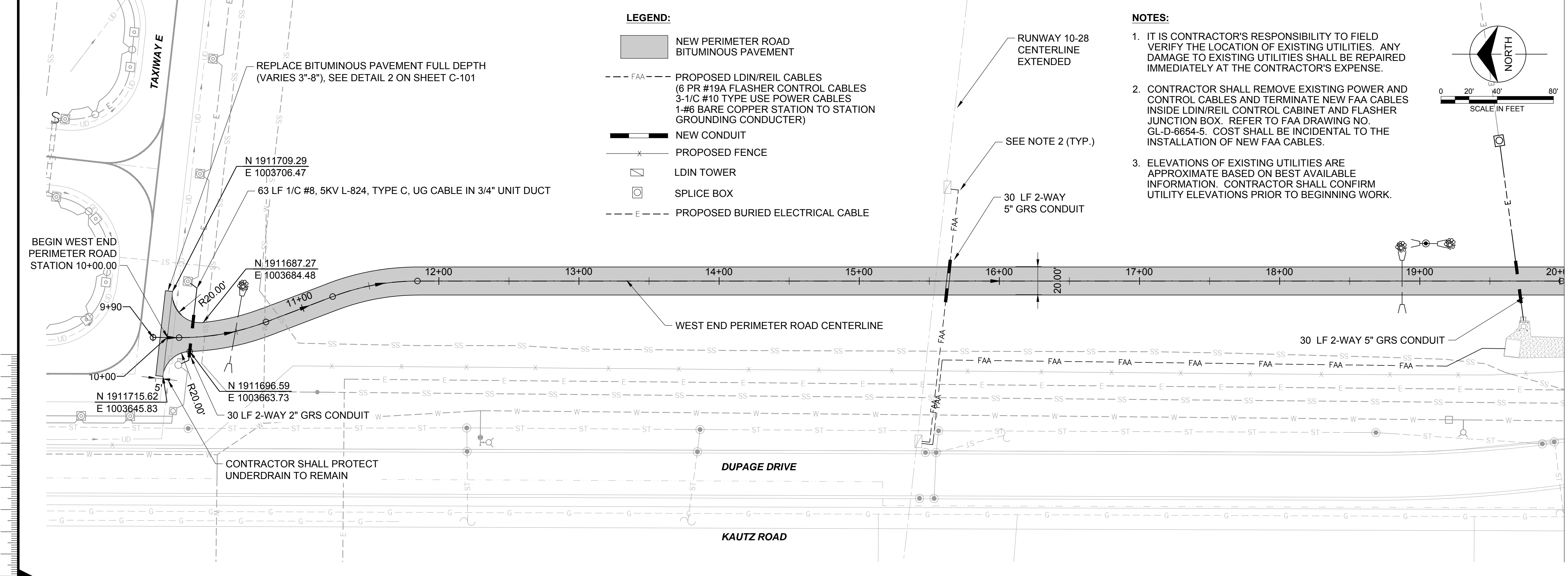
date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B. QUINLAN

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 DuPage, Illinois

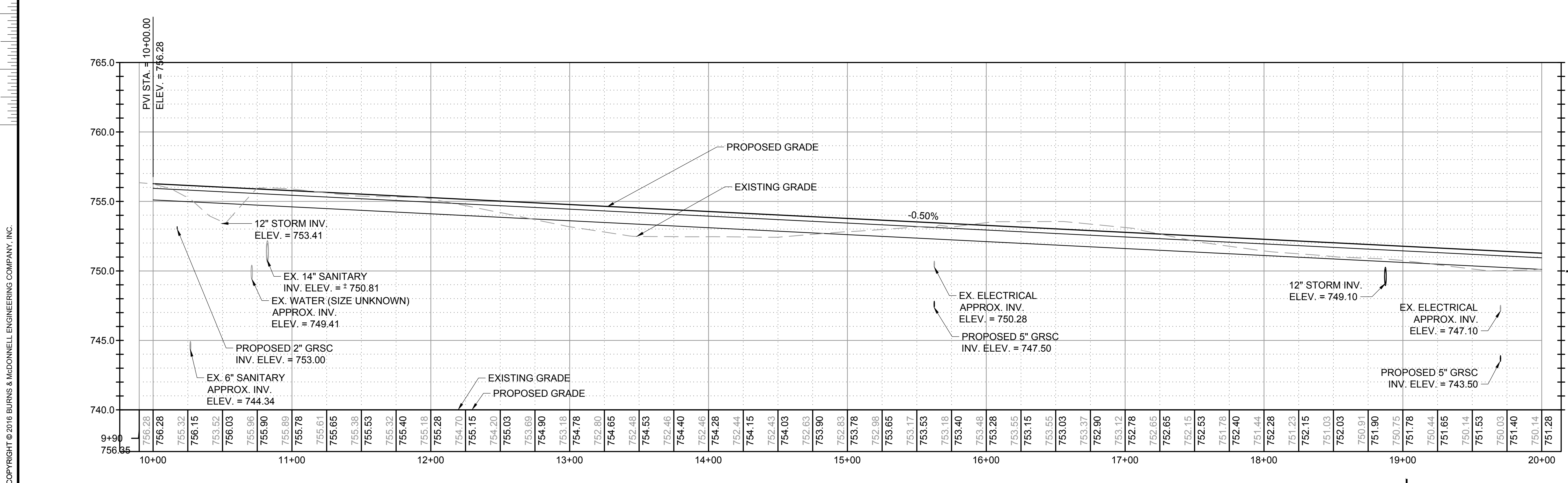
WEST END PERIMETER ROADWAY
 ROADWAY ALIGNMENT AND KEY PLAN

project	88849	contract	DPA-4300
drawing	CS-100	rev.	
sheet	of	sheets	
file			

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID



MATCHLINE: SEE SHEET CS-102



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 630-724-3200
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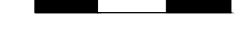
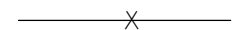
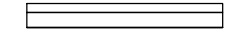
date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B. QUINLAN

DUPAGE AIRPORT AUTHORITY
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WEST END PERIMETER ROADWAY	
ROADWAY PLAN AND PROFILE STA. 10+00.00 TO STA. 20+00.00	
project	contract
88849	DPA-4300
drawing	rev.
CS-101	
sheet	of sheets
file	

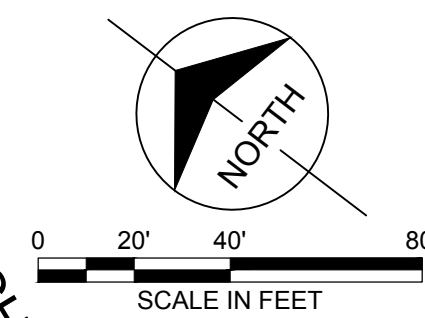
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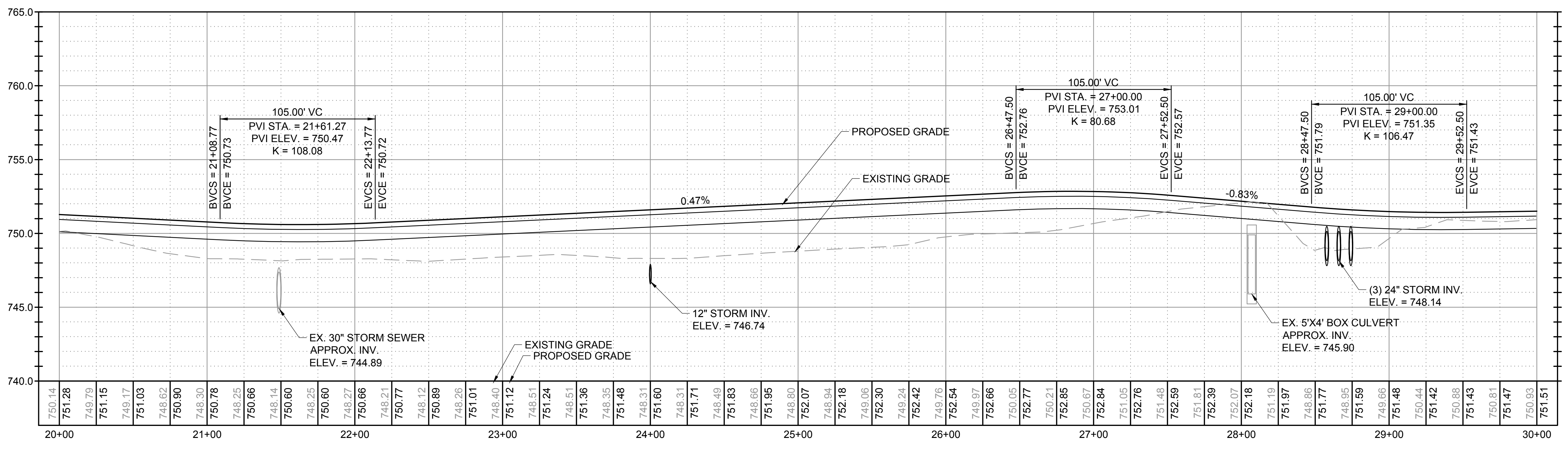
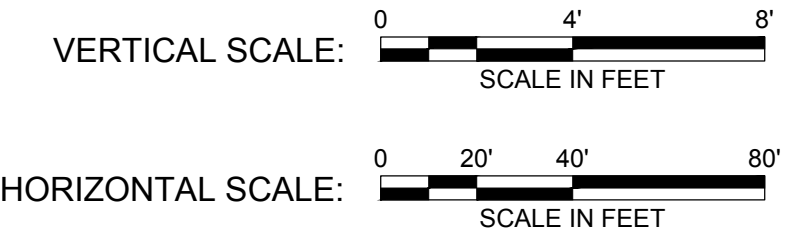
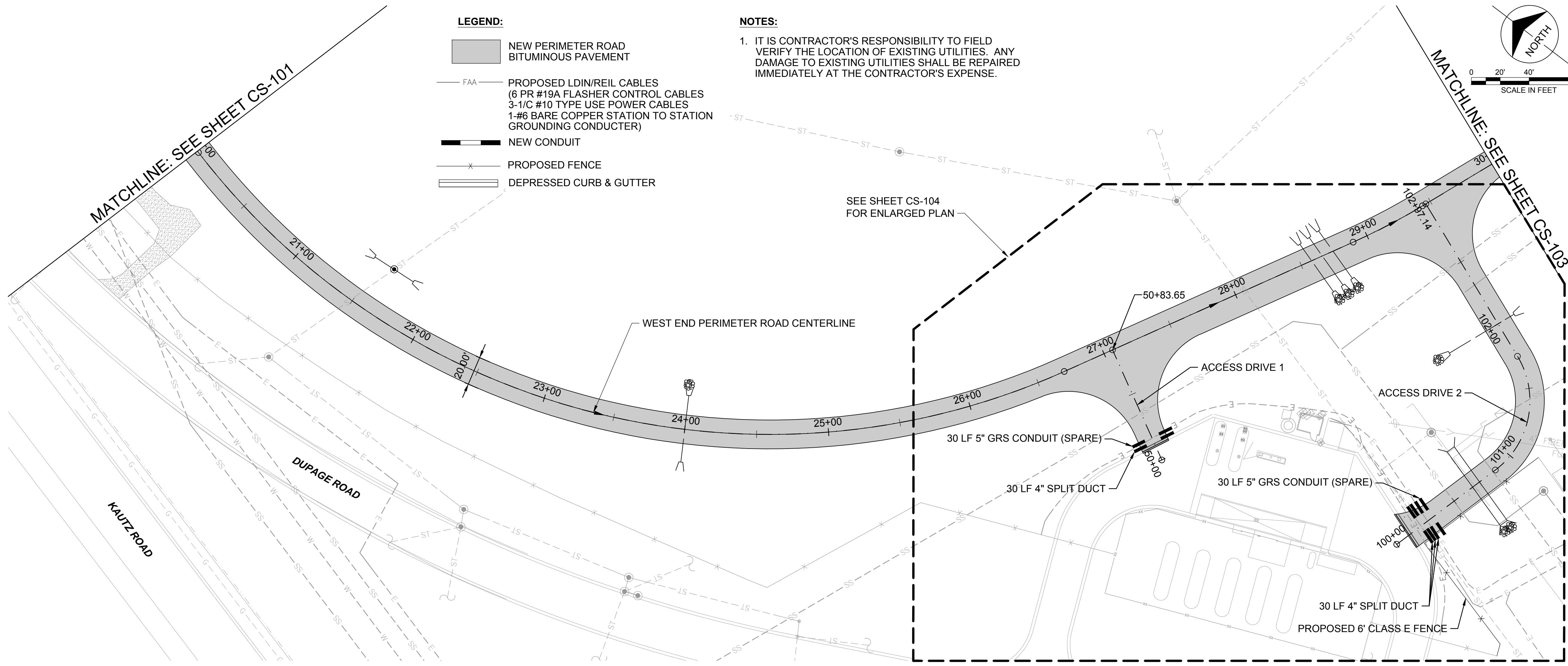
-  NEW PERIMETER ROAD BITUMINOUS PAVEMENT
-  FAA PROPOSED LDIN/REIL CABLES (6 PR #19A FLASHER CONTROL CABLES 3-1/C #10 TYPE USE POWER CABLES 1-#6 BARE COPPER STATION TO STATION GROUNDING CONDUCTER)
-  NEW CONDUIT
-  PROPOSED FENCE
-  DEPRESSED CURB & GUTTER

NOTES:

1. IT IS CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF EXISTING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.



no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID



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Inches

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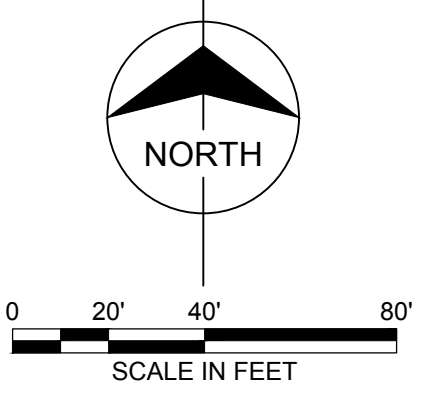
date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN

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WEST END PERIMETER ROADWAY	
ROADWAY PLAN AND PROFILE STA. 20+00.00 TO STA. 30+00.00	
project	contract
88849	DPA-4300
drawing	rev.
CS-102	
sheet	of sheets
file	

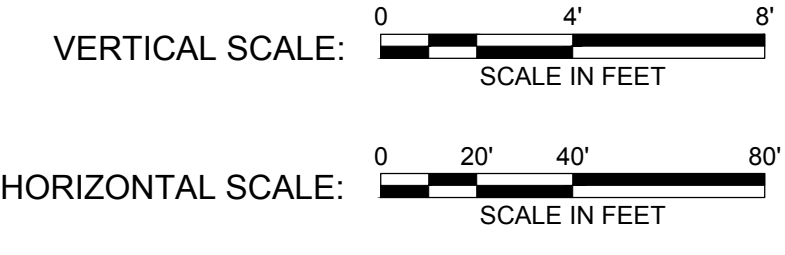
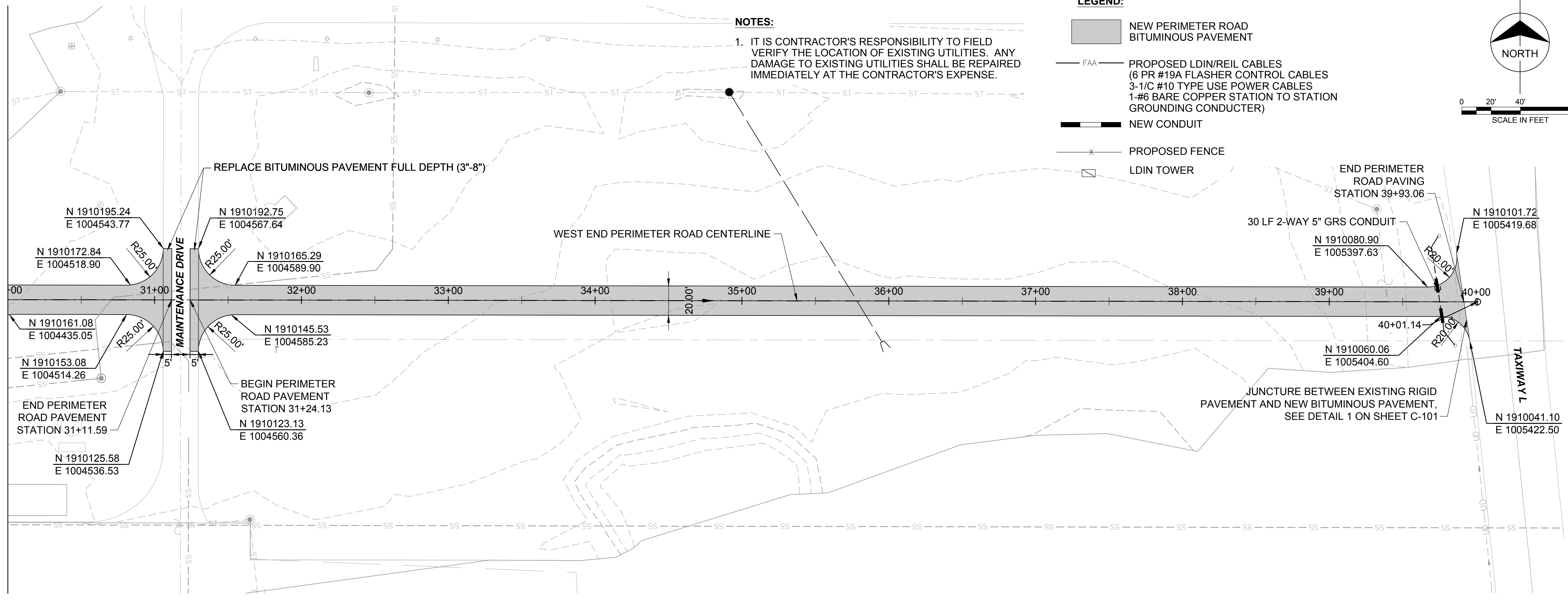
NOTES:
 1. IT IS CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF EXISTING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

- LEGEND:**
- NEW PERIMETER ROAD BITUMINOUS PAVEMENT
 - PROPOSED LDIN/REIL CABLES (6 PR #19A FLASHER CONTROL CABLES 3-1/C #10 TYPE USE POWER CABLES 1-#6 BARE COPPER STATION TO STATION GROUNDING CONDUCTOR)
 - NEW CONDUIT
 - PROPOSED FENCE
 - LDIN TOWER

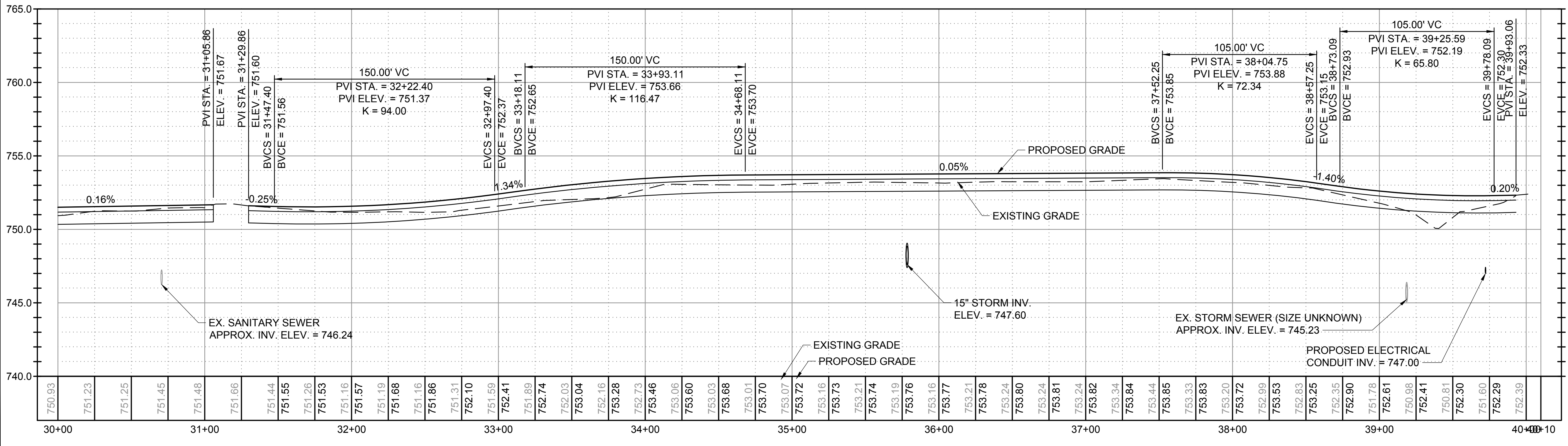


no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

MATCHLINE: SEE SHEET CS-102



Scale For Microfining
Millimeters
Inches


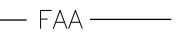

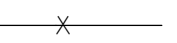
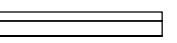


BURNS MEDONNELL
 1431 OPUS PLACE, SUITE 400
 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN

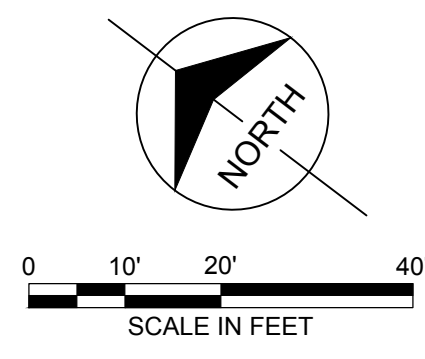
DUPAGE AIRPORT AUTHORITY
 DuPage, Illinois

WEST END PERIMETER ROADWAY
 ROADWAY PLAN AND PROFILE
 STA. 30+00.00 TO STA. 39+93.06
 project 88849 contract DPA-4300
 drawing CS-103 rev.
 sheet of sheets
 file

- LEGEND:**
-  NEW PERIMETER ROAD BITUMINOUS PAVEMENT
 -  FAA PROPOSED LDIN/REIL CABLES (6 PR #19A FLAHSER CONTROL CABLES 3-1/C #10 TYPE USE POWER CABLES 1-#6 BARE COPPER STATION TO STATION GROUNDING CONDUCTER)
 -  NEW CONDUIT
 -  PROPOSED FENCE
 -  DEPRESSED CURB & GUTTER

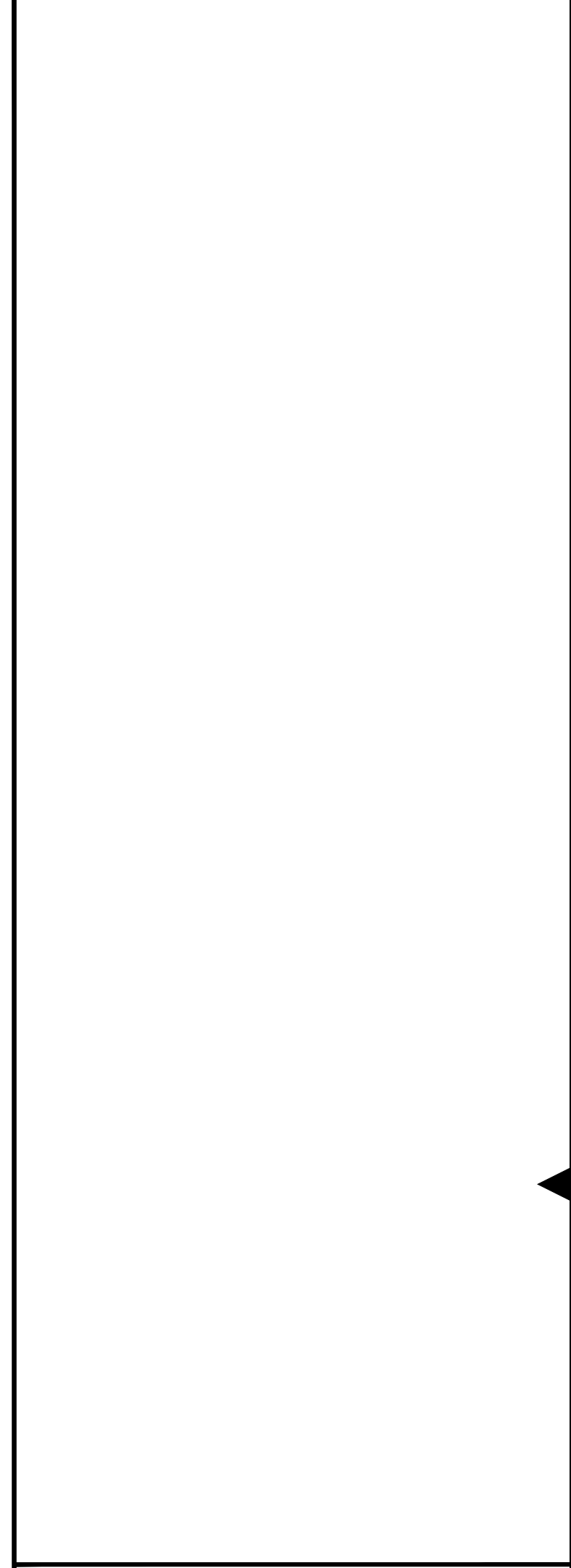
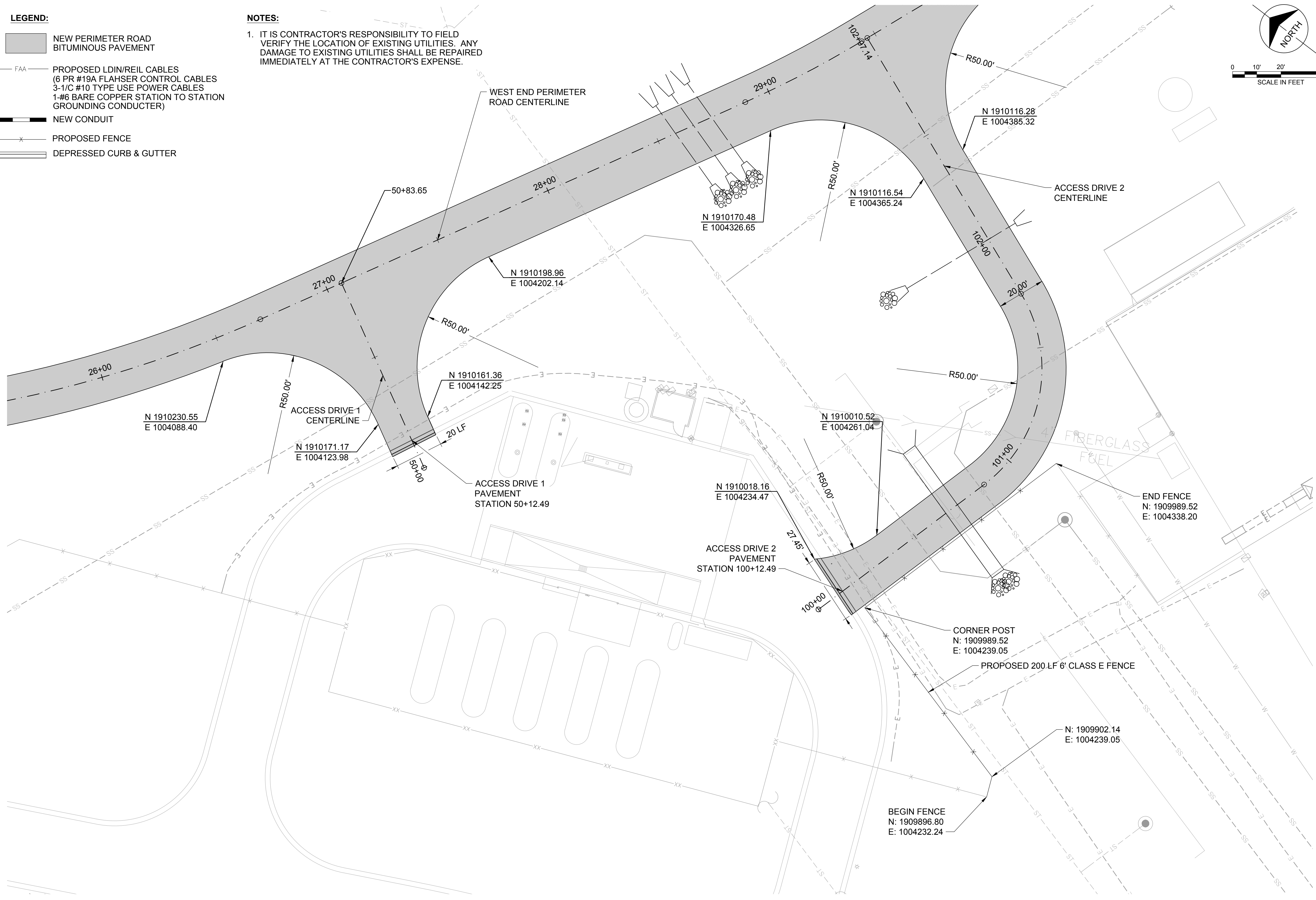
NOTES:

1. IT IS CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF EXISTING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.



no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

Millimeters
 Scale For Microfitting
 Inches



1431 OPUS PLACE, SUITE 400
 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN

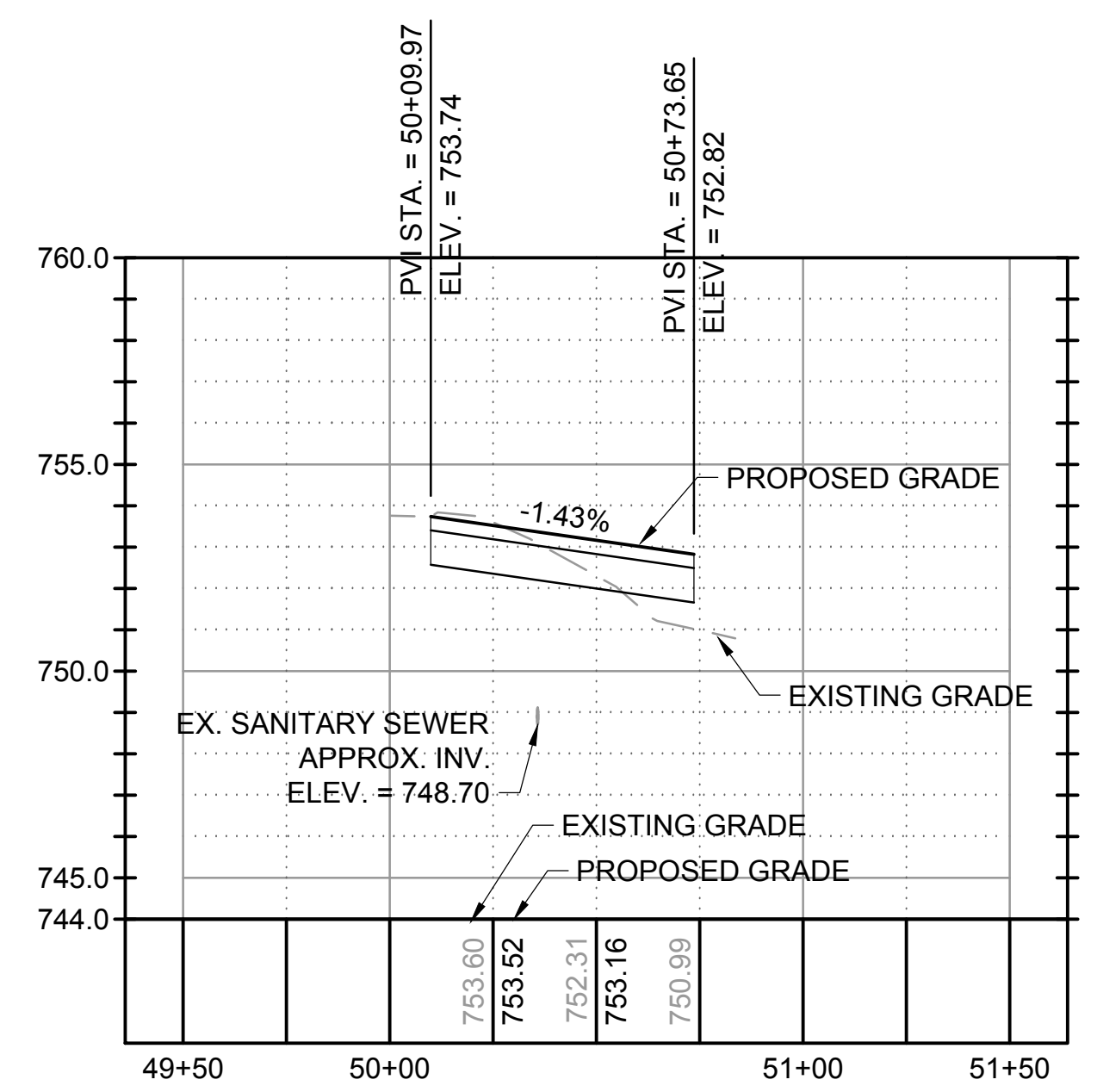
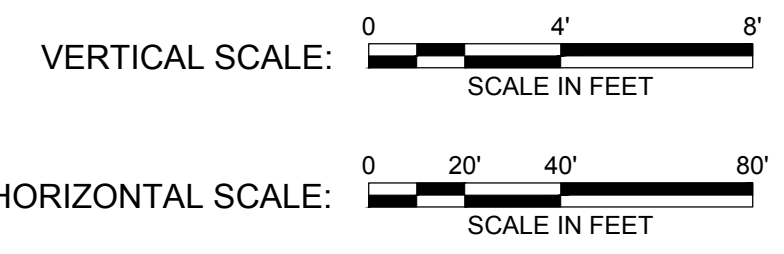
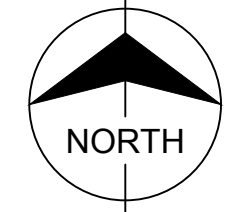


DuPage, Illinois

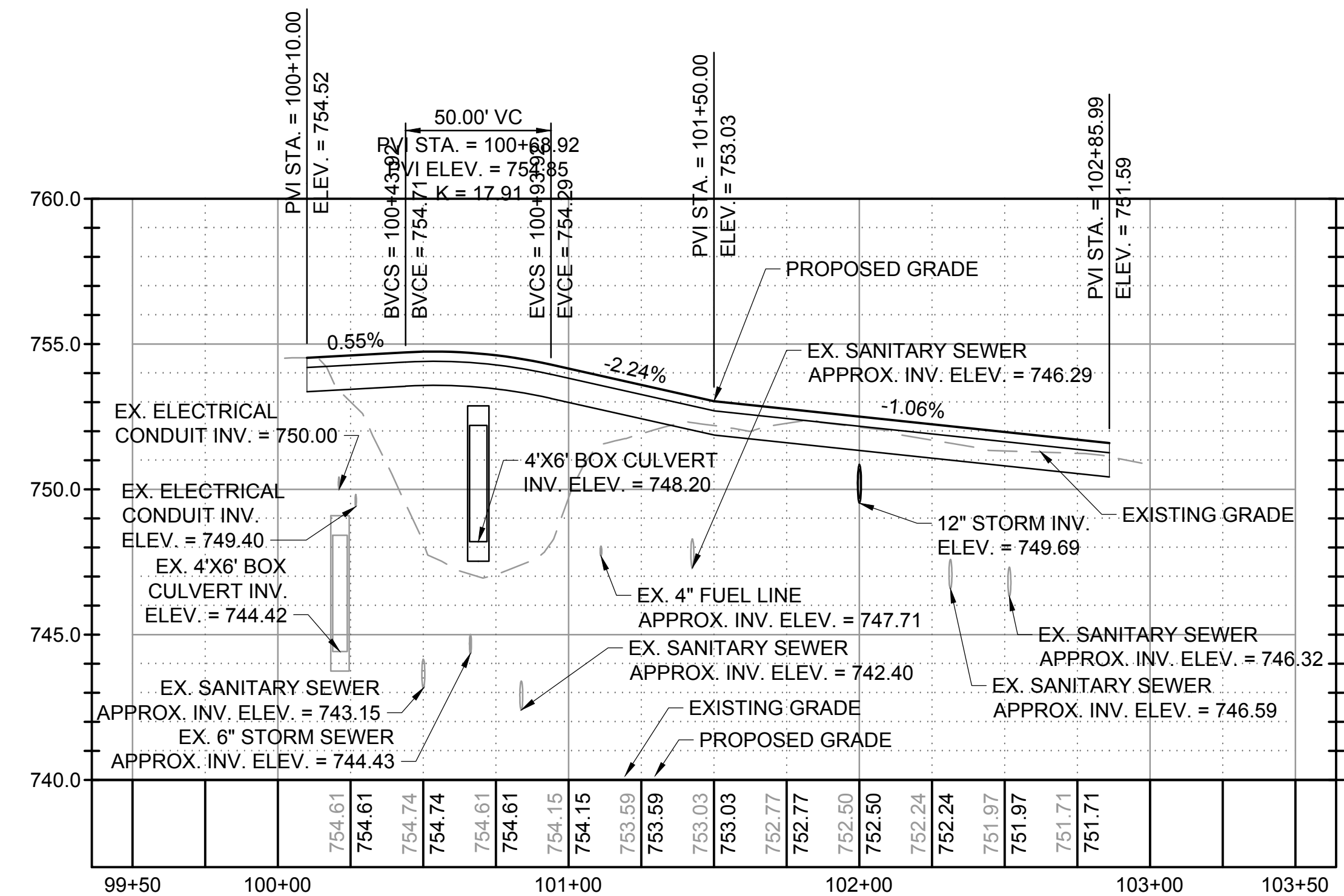
WEST END PERIMETER ROADWAY

ENLARGED SITE PLAN

project	88849	contract	DPA-4300
drawing	CS-104	rev.	
sheet	of	sheets	
file			



Profile View of ACCESS DRIVE 1



Profile View of ACCESS DRIVE 2

NOTES:
1. IT IS CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF EXISTING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID



1431 OPUS PLACE, SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184-001310

date	detailed
JANUARY 25, 2016	A.BUDNIK
designed	checked
A.BUDNIK	B.QUINLAN



DuPage, Illinois

WEST END PERIMETER ROADWAY

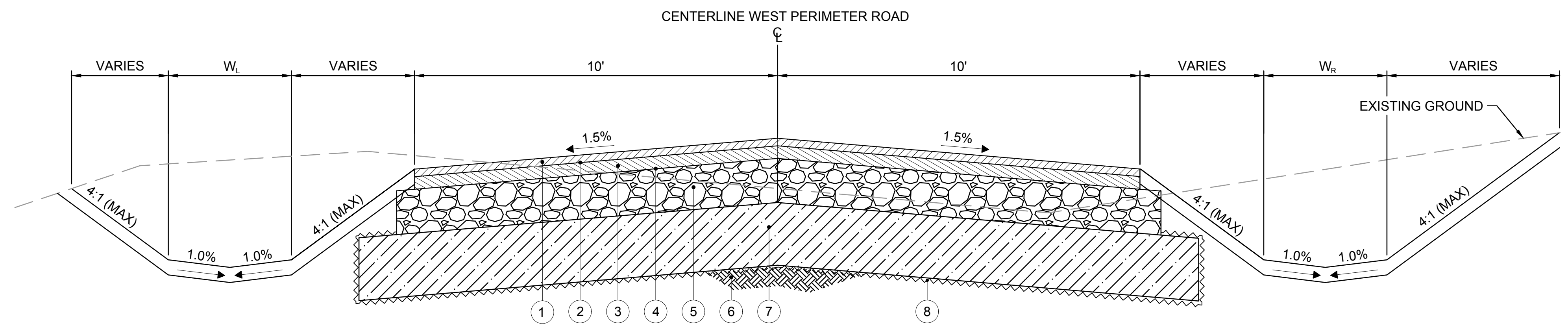
ACCESS DRIVE PROFILES

project	88849	contract	DPA-4300
drawing	CS-105	rev.	
sheet	of	sheets	
file			

Scale For Microfining

Inches

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A PROPOSED TYPICAL SECTION - WEST END PERIMETER ROADWAY
NTS

- LEGEND**
- ① 1.5" BITUMINOUS SURFACE COURSE (401), IL-9.5, N70
 - ② TACK COAT
 - ③ 2.5" BITUMINOUS BASE COURSE (403), IL-19.0, N70
 - ④ PRIME COAT
 - ⑤ 10" CRUSHED AGGREGATE BASE COURSE
 - ⑥ COMPACTED SUBGRADE
 - ⑦ 12" POROUS GRANULAR EMBANKMENT (SEE NOTE 2)
 - ⑧ NON-WOVEN GEOTEXTILE FABRIC

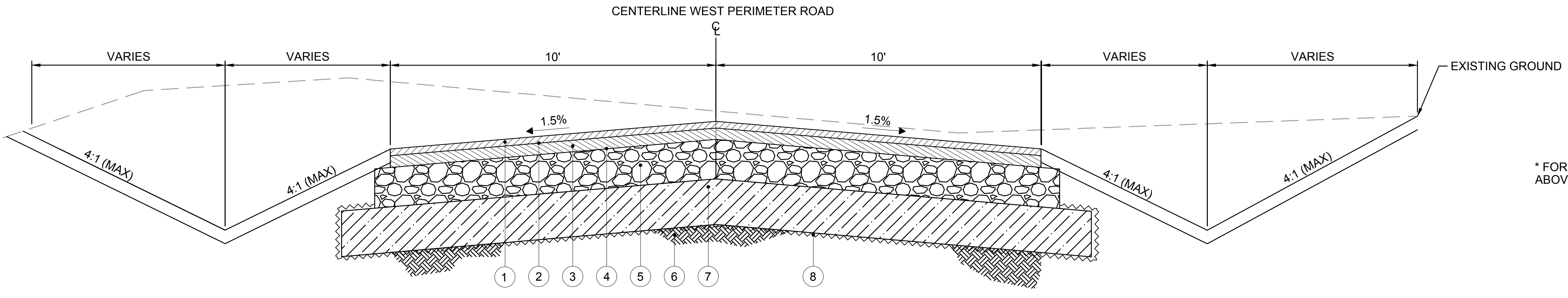
DITCH WIDTH DATA TABLE

STATION	W _s (FT)
14+00.00 TO 15+75.00	2.00
16+00.00 TO 18+90.00	8.00
31+64.86 TO 39+66.08	5.00

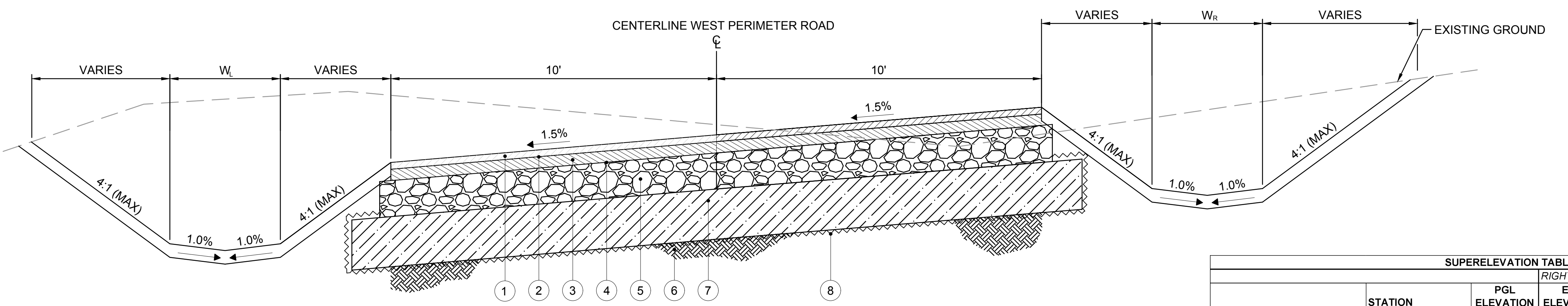
STATION	W _i (FT)
14+00.00 TO 15+75.00	2.00
16+00.00 TO 18+90.00	8.00
19+25.00 TO 20+14.22	2.00
20+24.22 TO 21+40.78	9.00
21+82.97 TO 26+75.00	9.00

* FOR STATION RANGES NOT PROVIDED IN TABLES ABOVE, V-BOTTOM DITCHES SHALL BE USED.

- NOTES:**
- LIMITS OF CRUSHED AGGREGATE BASE COURSE SHALL EXTEND 1' BEYOND THE EDGE OF PAVEMENT.
 - APPROXIMATE LIMITS OF PGE PLACEMENT ARE FROM STA. 19+00.00 TO STA. 22+75.00 FOR THE FULL PAVEMENT WIDTH. THE ACTUAL LIMITS SHALL BE CONFIRMED BY THE ENGINEER.
 - LIMITS OF PGE SHALL EXTEND 2' BEYOND THE EDGE OF PAVEMENT.



B PROPOSED TYPICAL SECTION V-BOTTOM DITCH - WEST END PERIMETER ROADWAY
NTS



C PROPOSED TYPICAL SECTION (RC) - WEST END PERIMETER ROADWAY
NTS

SUPERELEVATION TABLE

	STATION	RIGHT LANE		LEFT LANE		
		PGL ELEVATION	EOP ELEVATION	CROSS SLOPE	EOP ELEVATION	CROSS SLOPE
NORMAL CROWN	19+62.22	751.47	751.32	-1.50%	751.32	-1.50%
RUNOFF/RUNOUT	19+88.22	751.34	751.34	0.00%	751.19	-1.50%
REMOVE ADVERSE CROWN	20+14.22	751.21	751.36	1.50%	751.06	-1.50%
REMOVE ADVERSE CROWN	30+06.47	751.52	751.67	1.50%	751.37	-1.50%
RUNOFF/RUNOUT	30+32.47	751.56	751.56	0.00%	751.41	-1.50%
NORMAL CROWN	30+58.47	751.60	751.45	-1.50%	751.45	-1.50%

no.	date	by	ckd	description
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B	04/15/16	AB	BQ	ISSUED FOR BID

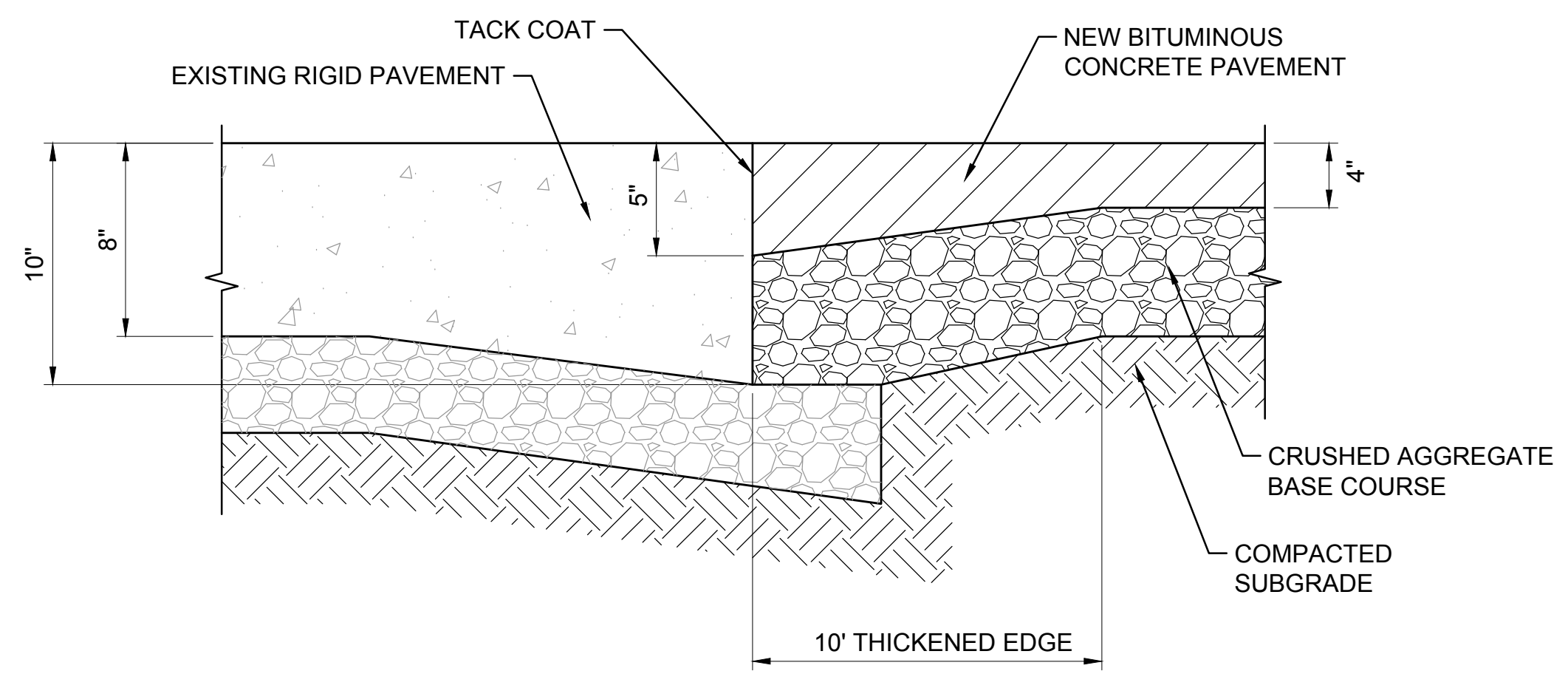
BURNS MEDONNELL
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 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN

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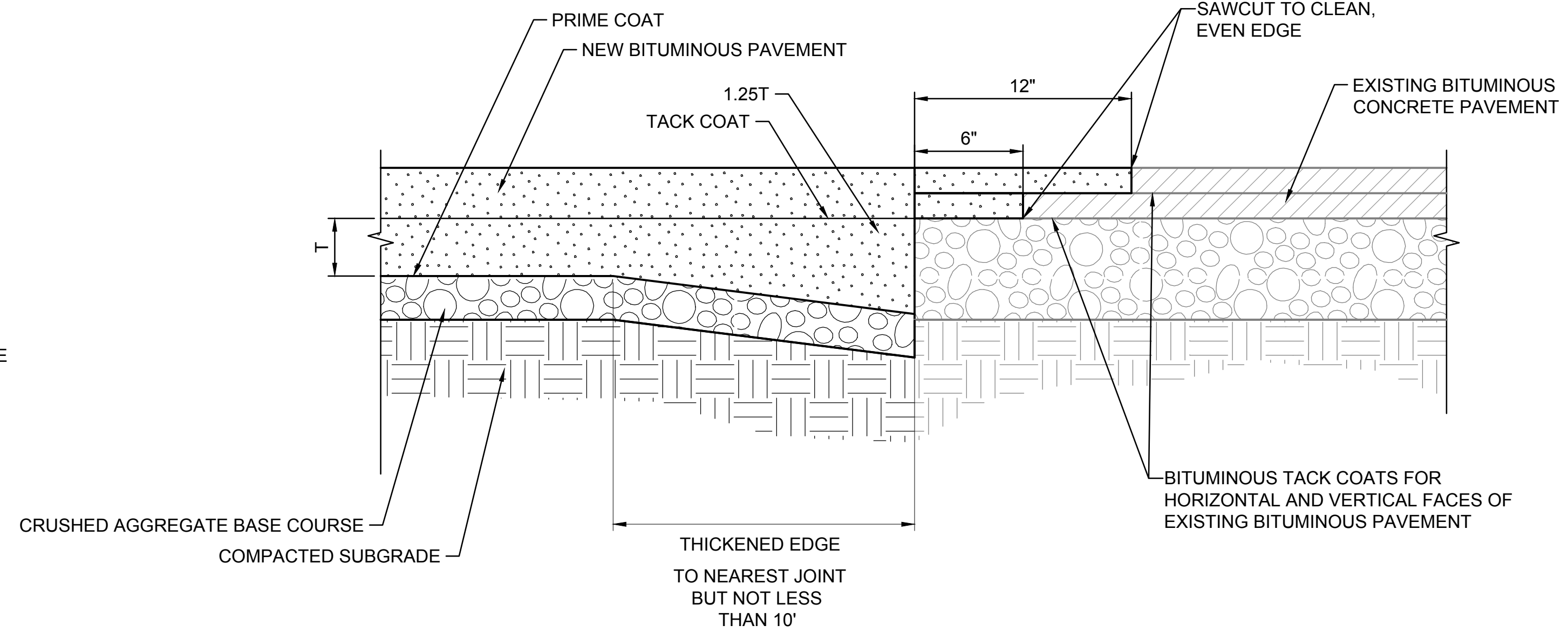
WEST END PERIMETER ROADWAY
 TYPICAL SECTIONS

project	88849	contract	DPA-4300
drawing	C-100	rev.	
sheet	of	sheets	
file			



JUNCTURE BETWEEN EXISTING RIGID PAVEMENT AND BITUMINOUS PAVEMENT
SCALE: NONE

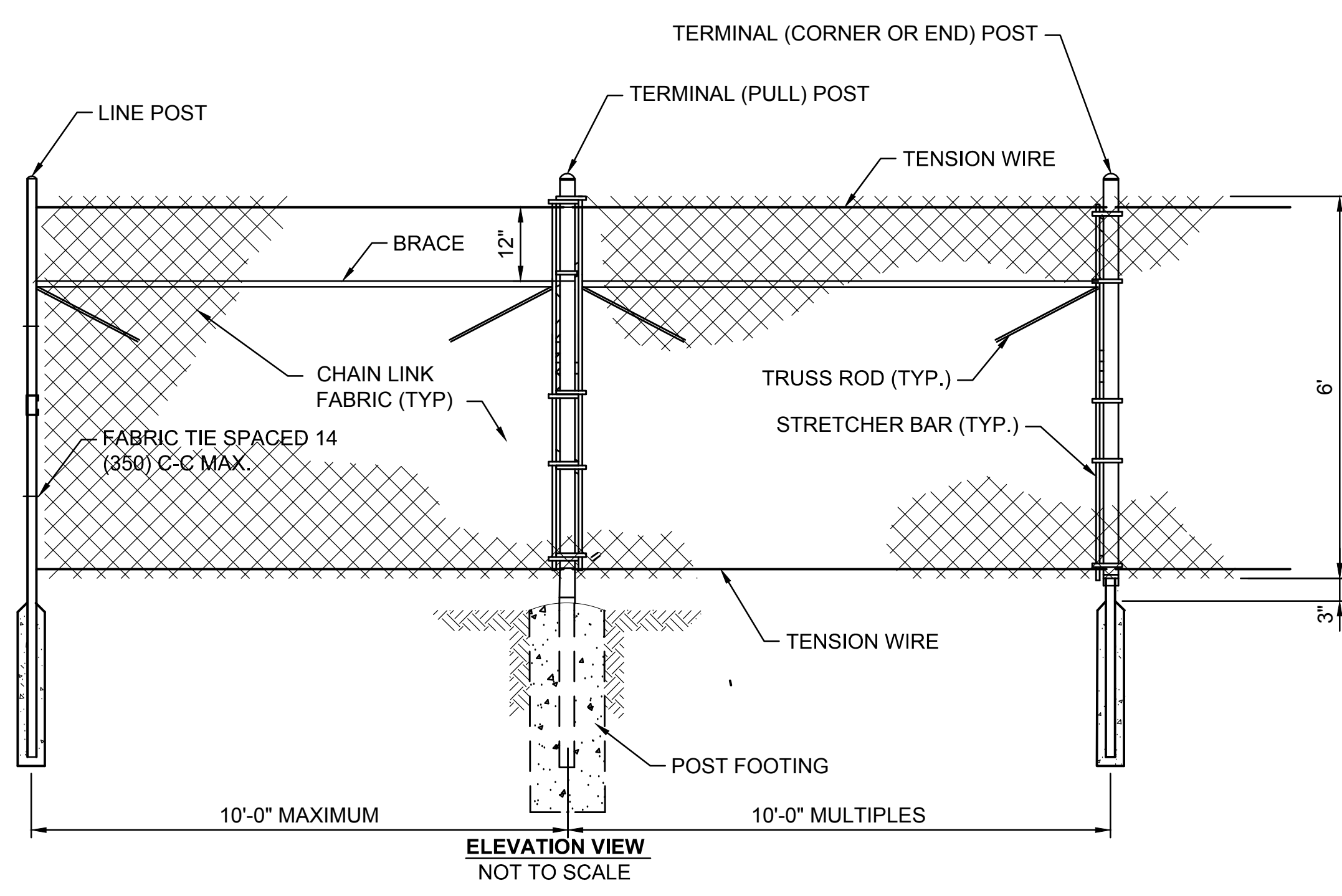
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JUNCTURE BETWEEN NEW AND EXISTING BITUMINOUS PAVEMENT
SCALE: NONE

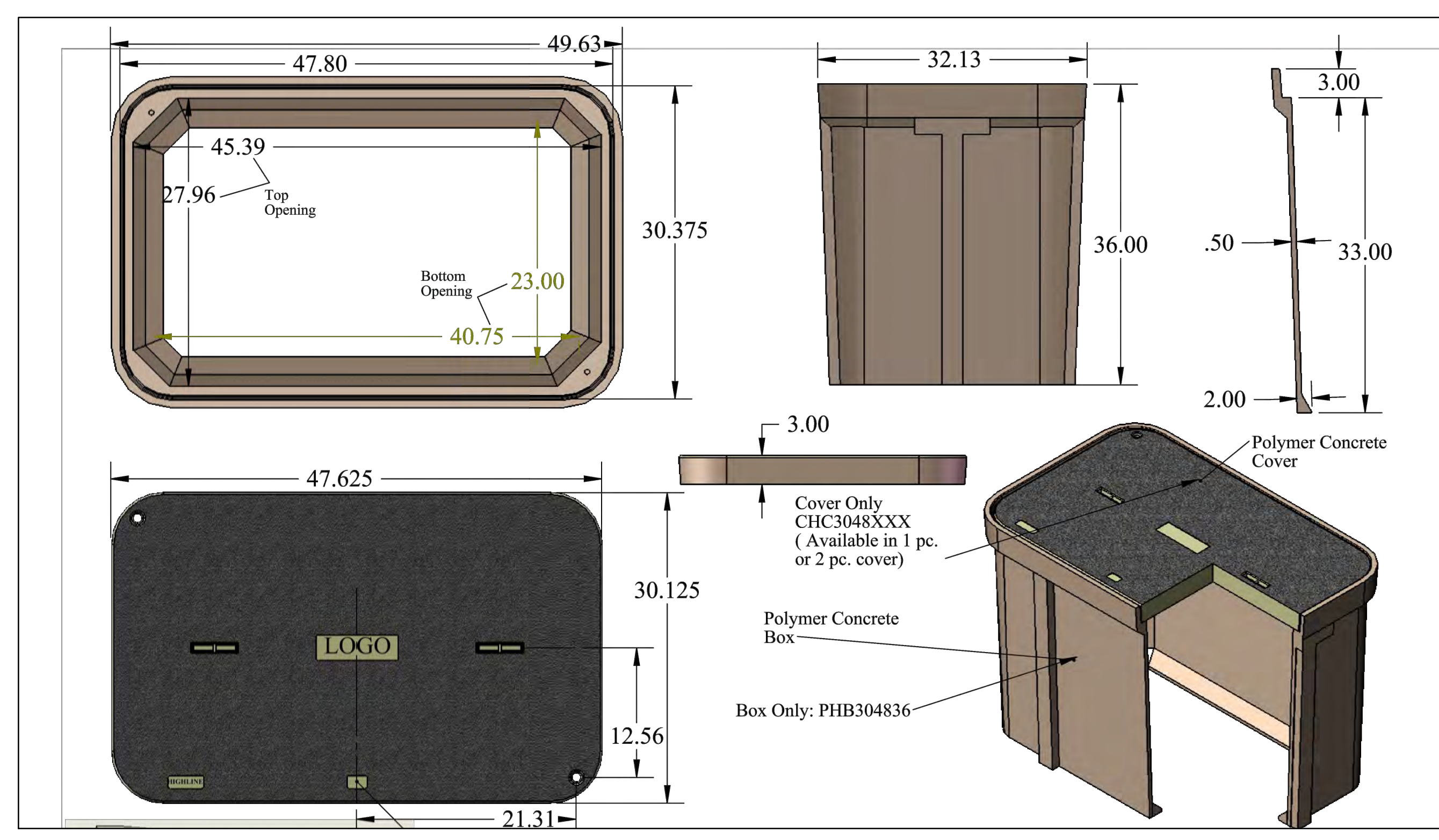
2

Scale For Microfinishing
Millimeters
Inches



6' CLASS E FENCE
SCALE: NONE

3



ELECTRICAL SPLICE BOX
SCALE: NONE

4

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID



1431 OPUS PLACE, SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN



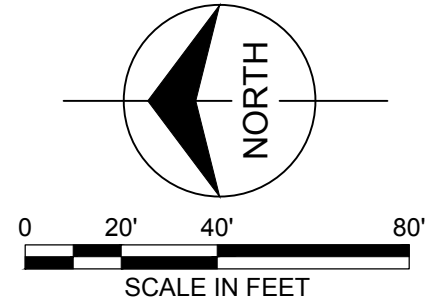
DuPage, Illinois

WEST END PERIMETER ROADWAY

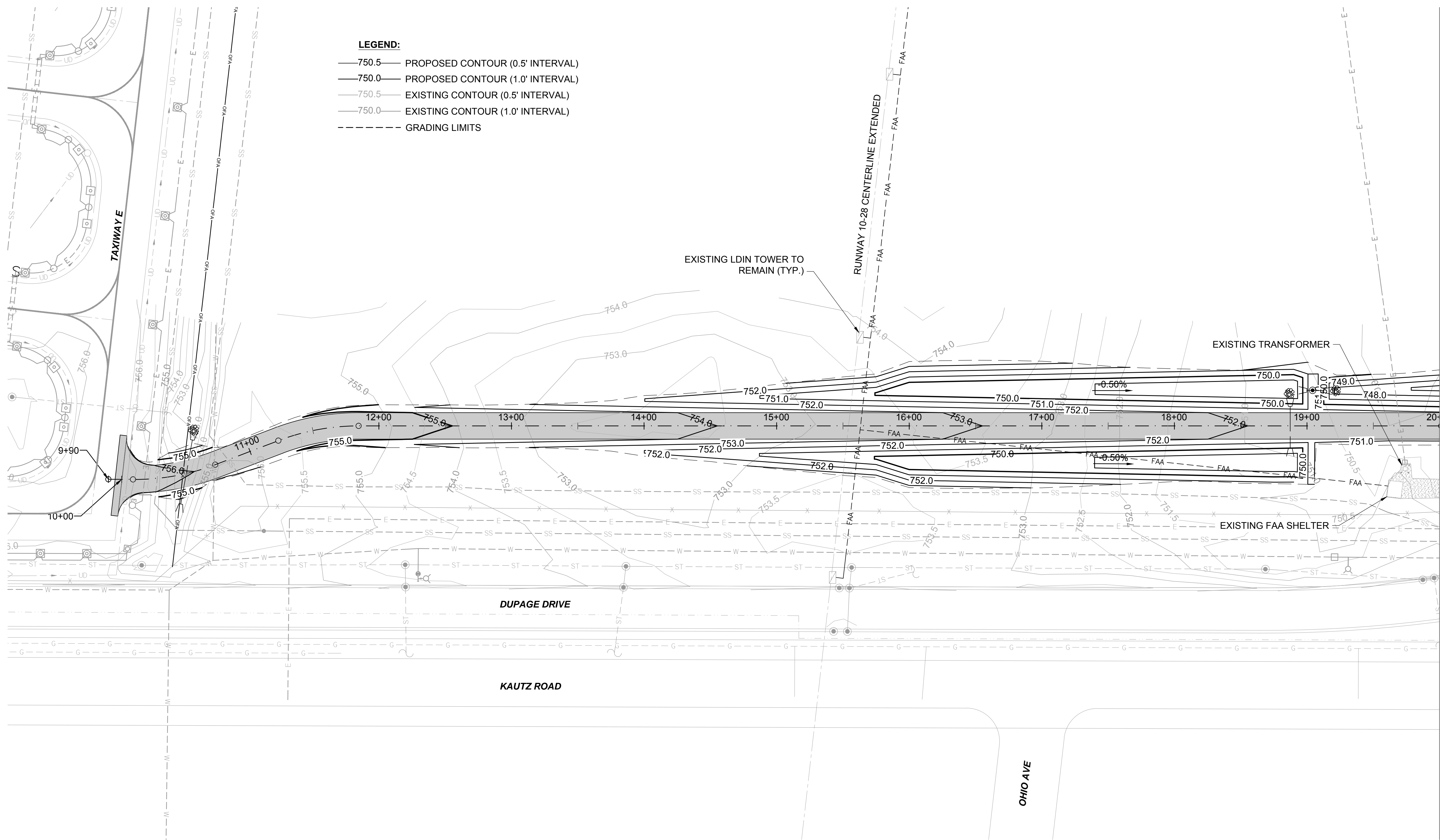
CIVIL DETAILS

project	88849	contract	DPA-4300
drawing	C-101	rev.	
sheet	of	sheets	
file			

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID



- LEGEND:**
- 750.5— PROPOSED CONTOUR (0.5' INTERVAL)
 - 750.0— PROPOSED CONTOUR (1.0' INTERVAL)
 - 750.5— EXISTING CONTOUR (0.5' INTERVAL)
 - 750.0— EXISTING CONTOUR (1.0' INTERVAL)
 - - - - GRADING LIMITS



Millimeters
 Scale For Microfitting
 Inches

MATCHLINE: SEE SHEET CG-102

**BURNS
MEDONNELL**
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 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B. QUINLAN

**DUPAGE AIRPORT
AUTHORITY**
 DuPage, Illinois

WEST END PERIMETER ROADWAY
 GRADING PLAN

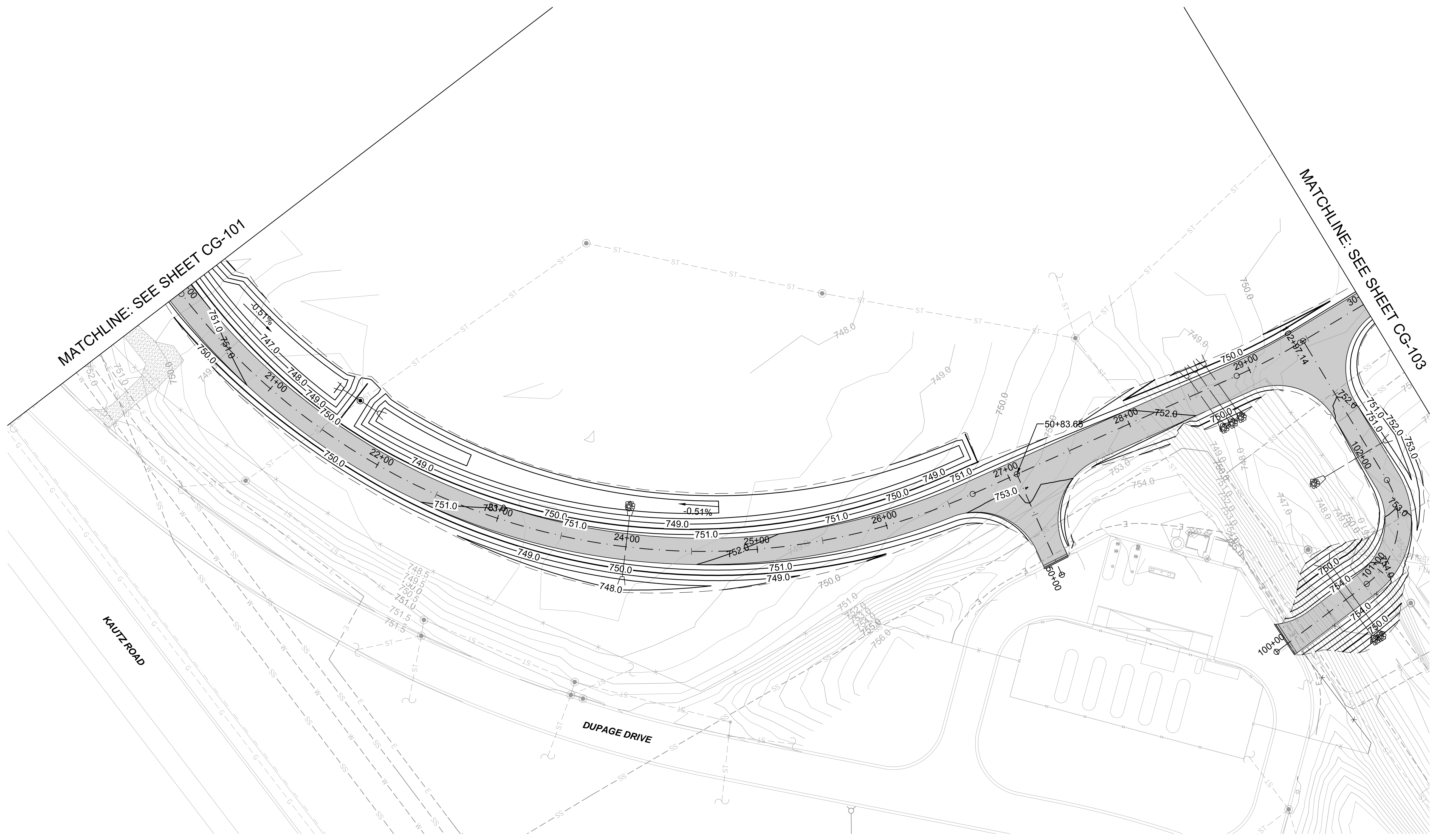
project	88849	contract	DPA-4300
drawing	CG-101	rev.	
sheet	of	sheets	
file			

LEGEND:
 —750.5— PROPOSED CONTOUR (0.5' INTERVAL)
 —750.0— PROPOSED CONTOUR (1.0' INTERVAL)
 —750.5— EXISTING CONTOUR (0.5' INTERVAL)
 —750.0— EXISTING CONTOUR (1.0' INTERVAL)
 - - - - - GRADING LIMITS



no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

Scale For Microfitting
 Millimeters
 Inches



A
 B
 C
 D
 E
 F



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 630-724-3200
 LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN



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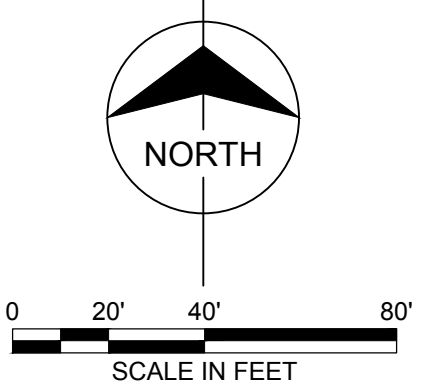
WEST END PERIMETER ROADWAY

GRADING PLAN

project	88849	contract	DPA-4300
drawing	CG-102	rev.	
sheet	of	sheets	
file			

G
 H
 I

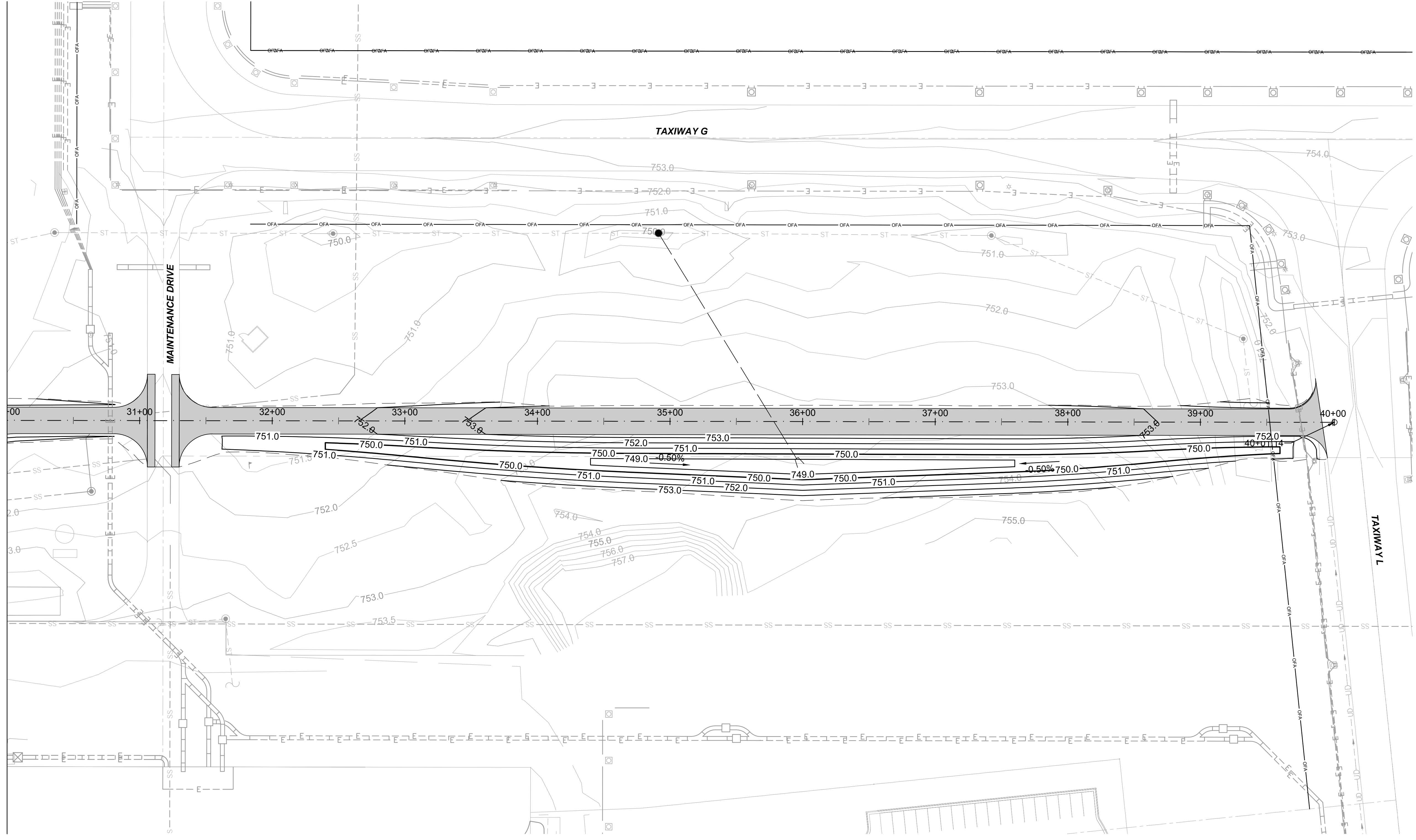
LEGEND:
 —750.5— PROPOSED CONTOUR (0.5' INTERVAL)
 —750.0— PROPOSED CONTOUR (1.0' INTERVAL)
 —750.5— EXISTING CONTOUR (0.5' INTERVAL)
 —750.0— EXISTING CONTOUR (1.0' INTERVAL)
 - - - - GRADING LIMITS



no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

Scale For Microfilming
 Millimeters
 Inches

MATCHLINE: SEE SHEET CG-102



A				
B				
C				
D				
E				
F				

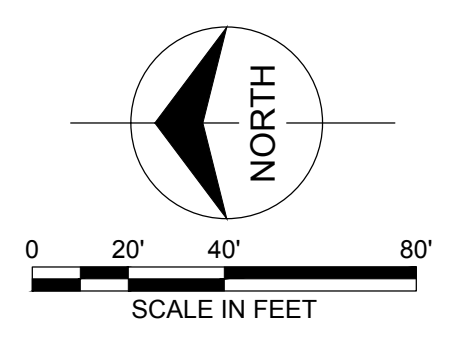
BURNS MEDONNELL
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 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN

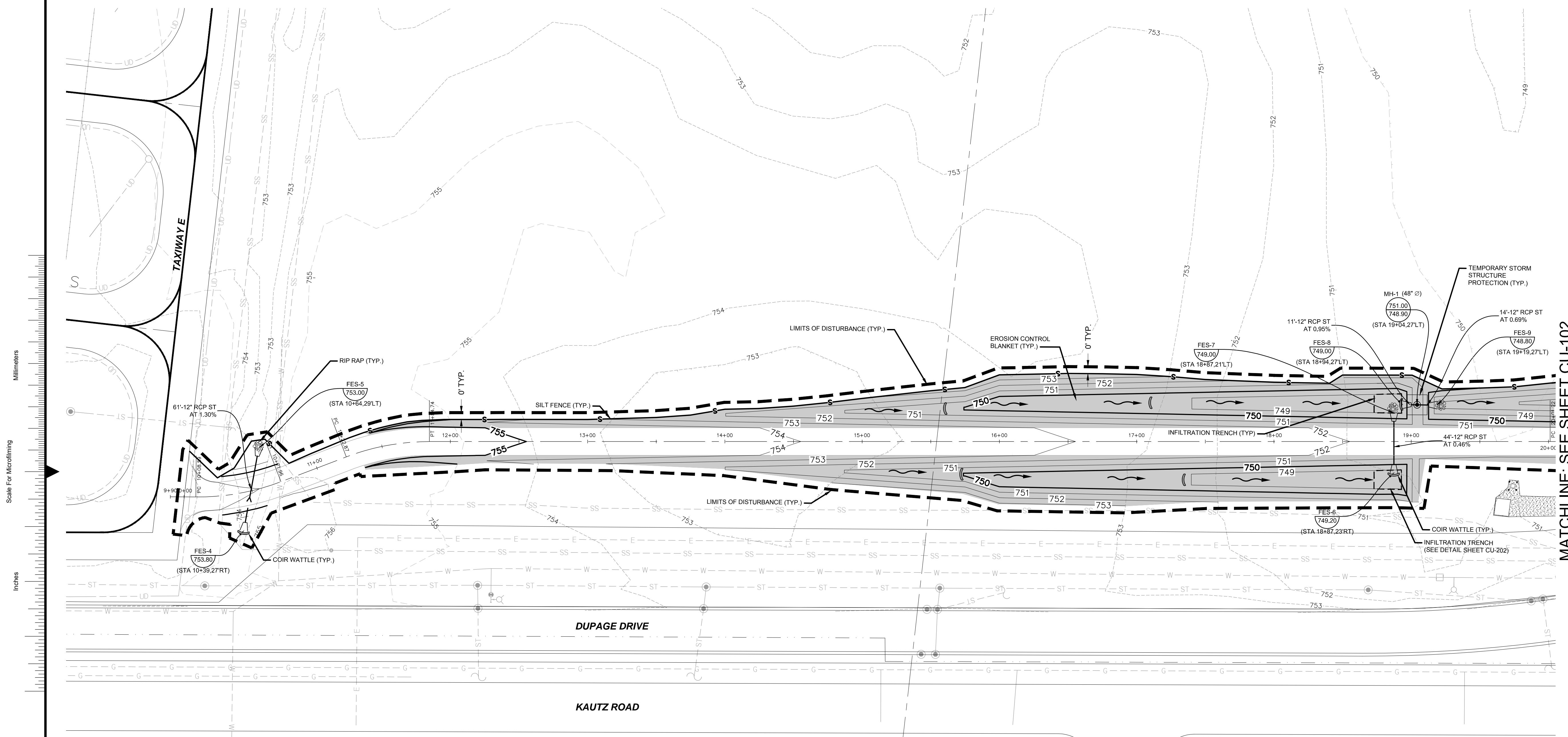
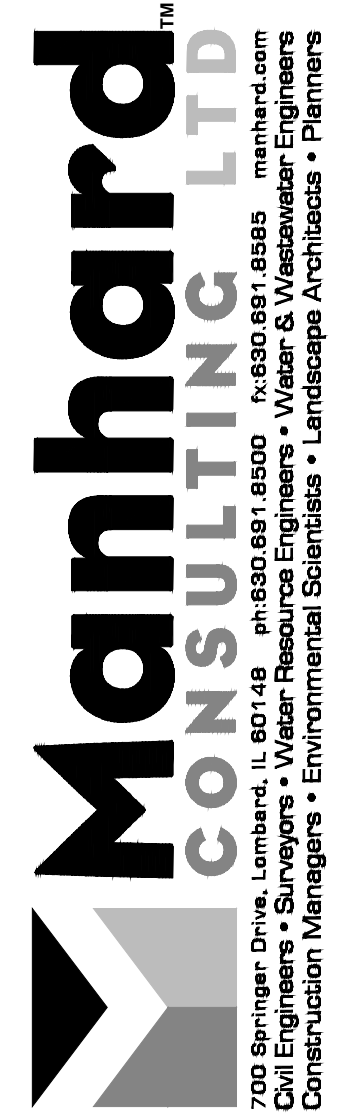


WEST END PERIMETER ROADWAY
 GRADING PLAN

project	88849	contract	DPA-4300
drawing	CG-103	rev.	
sheet	of	sheets	
file			



no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/07/16	KS	DB	ISSUED FOR PERMIT REVIEW
C	04/15/16	AB	BQ	ISSUED FOR BID



MATCHLINE: SEE SHEET CU-102

Scale For Microfitting
Millimeters
Inches

- CONSTRUCTION SEQUENCE:**
1. INSTALL SILT FENCE AT LOCATIONS AS INDICATED ON THE PLANS.
 2. PROVIDE STABILIZED CONSTRUCTION ENTRANCE.
 3. CONSTRUCT DETENTION SWALES TO ACT AS TEMPORARY SEDIMENT TRAPS.
 4. STRIP EXISTING TOPSOIL FROM PROPOSED STORMWATER MANAGEMENT AREAS AND STOCKPILE WHERE SHOWN ON PLANS.
 5. PROVIDE DOUBLE ROW SILT FENCE AROUND THE BASE OF THE STOCKPILES.
 6. CONSTRUCT STORMWATER MANAGEMENT (DETENTION) FACILITIES TO SUB-GRADE AND INSTALL OUTLET PIPES.
 7. COMPLETE TOPSOIL PLACEMENT AND PERMANENT SEEDING AND SODDING OF STORMWATER MANAGEMENT FACILITIES.
 8. CUT AND FILL SITE TO PLAN SUB-GRADE.
 9. CONSTRUCT UNDERGROUND IMPROVEMENTS, I.E. SANITARY SEWER WATERMAIN AND STORM SEWER**, ETC.
 10. CONSTRUCT PAVEMENT IMPROVEMENTS PER PLAN.
 11. COMPLETE CONSTRUCTION OF SITE WITH PERMANENT STABILIZATION.
 12. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
- ** INSTALL INLET PROTECTION AROUND DRAINAGE STRUCTURES AS CONSTRUCTED.

DISTURBED AREAS ARE TO BE PERMANENTLY STABILIZED WITH THE SPECIFIED MIX

Seeds	Lbs./Acre
Inferno Tall Fescue or Tarheel II Fescue	60
Annual Ryegrass	20
Audubon Red Fescue	30
Rescue 911 Hard Fescue	30
Endophytic Fescue Cultivar	60

06-01-15

LEGEND

- S-S- TEMPORARY SILT FENCE (PERIMETER EROSION BARRIER)
- EROSION CONTROL BLANKET (NORTH AMERICAN GREEN DS 75)
- TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
- TEMPORARY STORM STRUCTURE PROTECTION
- COIR WATTLE
- PAVEMENT DRAINAGE FLOW
- SWALE DRAINAGE FLOW
- LIMITS OF DISTURBANCE/CONSTRUCTION
- 749 --- EXISTING CONTOUR
- 752 — PROPOSED CONTOUR
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED CONCRETE FLARED END SECTION
- PROPOSED STORM SEWER
- PROPOSED RIP RAP
- PROPOSED INFILTRATION TRENCH (SEE DETAIL SHEET CU-202)
- NAME-# (SIZE)
RIM
INV.
INV.
INV.
(STATION, OFFSET)
STORM STRUCTURE LABEL

"THESE EROSION CONTROL PLANS ARE A PORTION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) TOTAL REQUIREMENTS FOR A COMPLETE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY THE GENERAL NPDES PERMIT NO. ILR10. CLIENT AND/OR CONTRACTOR WILL BE RESPONSIBLE FOR COMPLIANCE WITH ALL REQUIREMENTS OF THE GENERAL NPDES PERMIT AND COMPILATION OF THE COMPLETE SWPPP."

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DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184-001310

date	detailed
designed	checked



WEST END PERIMETER ROADWAY
DRAINAGE, SOIL EROSION
SEDIMENT CONTROL PLAN

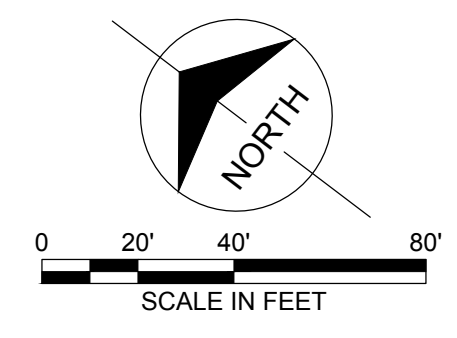
project	88849	contract	DPA-4300
drawing	CU-101	rev.	
sheet	of	sheets	
file			

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/07/16	KS	DB	ISSUED FOR PERMIT REVIEW
C	04/15/16	AB	BQ	ISSUED FOR BID

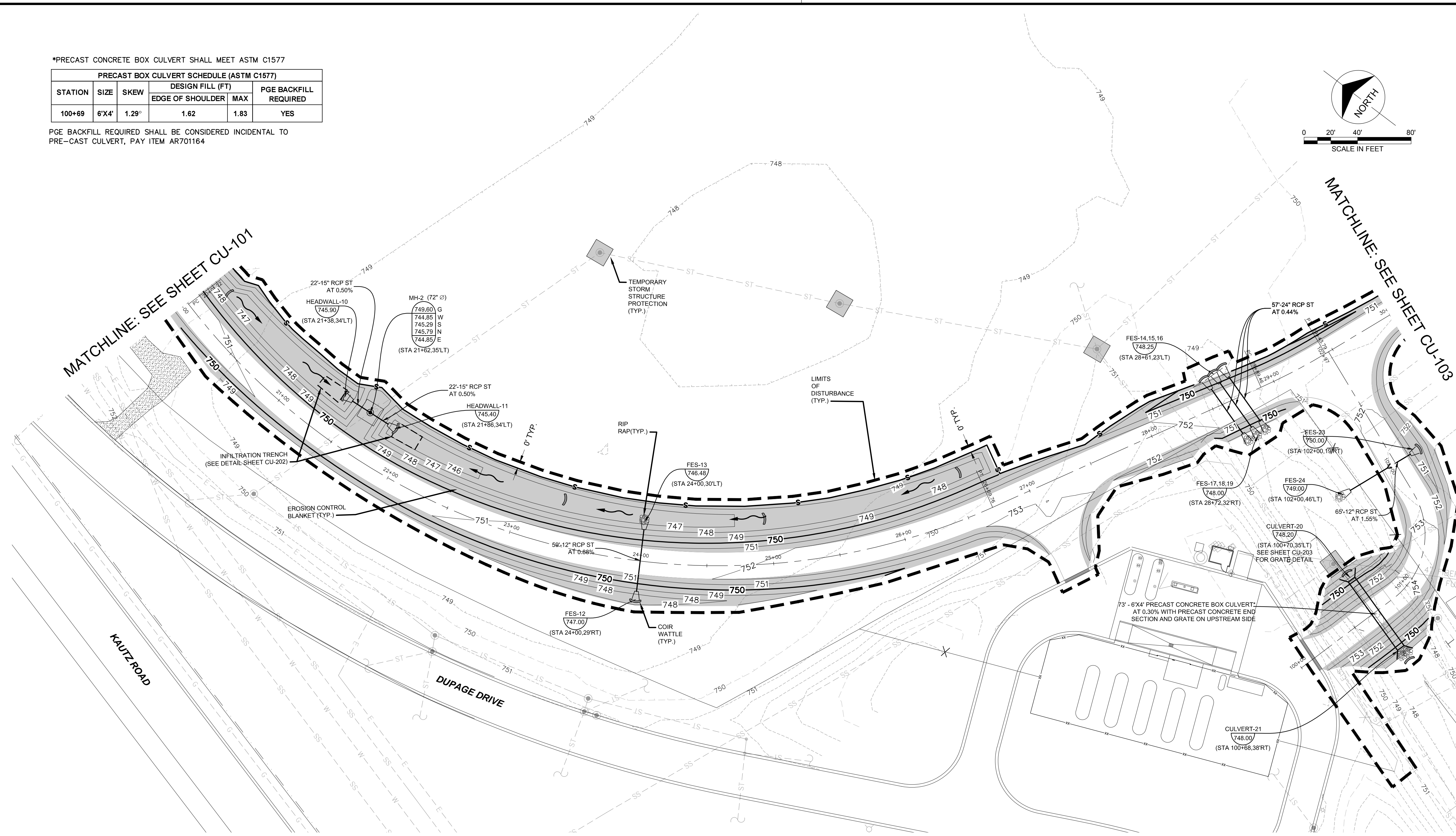
*PRECAST CONCRETE BOX CULVERT SHALL MEET ASTM C1577

PRECAST BOX CULVERT SCHEDULE (ASTM C1577)					
STATION	SIZE	SKEW	DESIGN FILL (FT)		PGE BACKFILL REQUIRED
			EDGE OF SHOULDER	MAX	
100+69	6'X4'	1.29°	1.62	1.83	YES

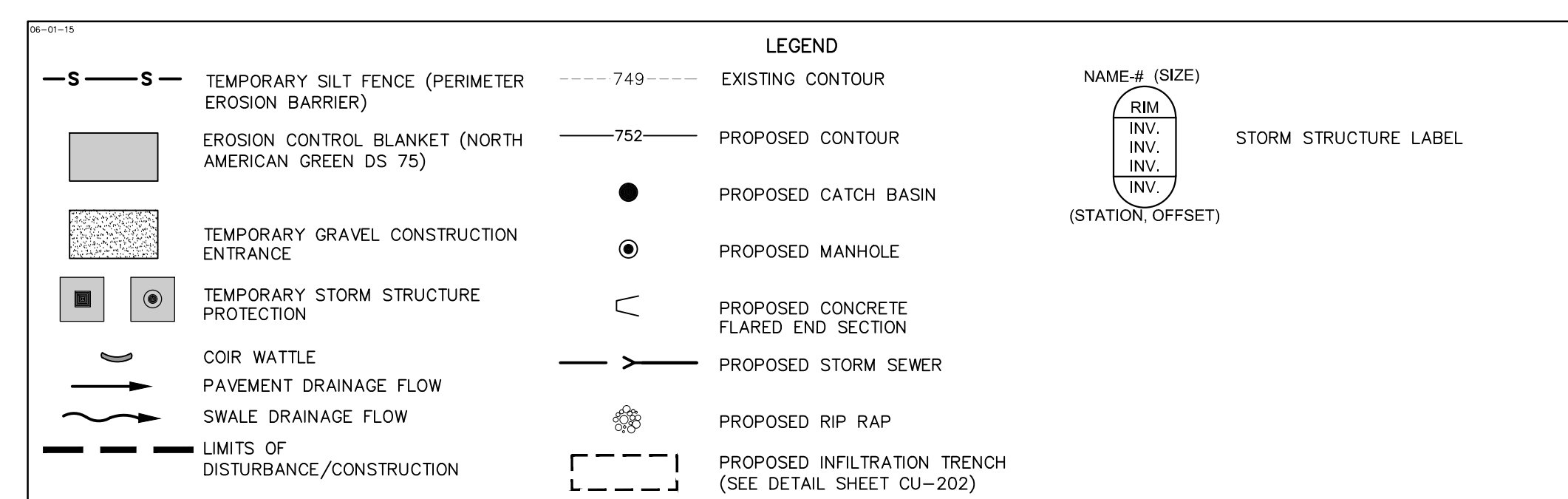
PGE BACKFILL REQUIRED SHALL BE CONSIDERED INCIDENTAL TO PRE-CAST CULVERT, PAY ITEM AR701164



Scale For Microfitting
Inches
Millimeters



- CONSTRUCTION SEQUENCE:**
- INSTALL SILT FENCE AT LOCATIONS AS INDICATED ON THE PLANS.
 - PROVIDE STABILIZED CONSTRUCTION ENTRANCE.
 - CONSTRUCT DETENTION SWALES TO ACT AS TEMPORARY SEDIMENT TRAPS.
 - STRIP EXISTING TOPSOIL FROM PROPOSED STORMWATER MANAGEMENT AREAS AND STOCKPILE WHERE SHOWN ON PLANS.
 - PROVIDE DOUBLE ROW SILT FENCE AROUND THE BASE OF THE STOCKPILES.
 - CONSTRUCT STORMWATER MANAGEMENT (DETENTION) FACILITIES TO SUB-GRADE AND INSTALL OUTLET PIPES.
 - COMPLETE TOPSOIL PLACEMENT AND PERMANENT SEEDING AND SODDING OF STORMWATER MANAGEMENT FACILITIES.
 - CUT AND FILL SITE TO PLAN SUB-GRADE.
 - CONSTRUCT UNDERGROUND IMPROVEMENTS, I.E. SANITARY SEWER WATERMAIN AND STORM SEWER**, ETC.
 - CONSTRUCT PAVEMENT IMPROVEMENTS PER PLAN.
 - COMPLETE CONSTRUCTION OF SITE WITH PERMANENT STABILIZATION.
 - REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
- ** INSTALL INLET PROTECTION AROUND DRAINAGE STRUCTURES AS CONSTRUCTED.



DISTURBED AREAS ARE TO BE PERMANENTLY STABILIZED WITH THE SPECIFIED MIX

Seeds	Lbs./Acre
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Audubon Red Fescue	30
Rescue 911 Hard Fescue	30
Endophytic Fescue Cultivar	60

"THESE EROSION CONTROL PLANS ARE A PORTION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) TOTAL REQUIREMENTS FOR A COMPLETE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY THE GENERAL NPDES PERMIT NO. ILR10. CLIENT AND/OR CONTRACTOR WILL BE RESPONSIBLE FOR COMPLIANCE WITH ALL REQUIREMENTS OF THE GENERAL NPDES PERMIT AND COMPILATION OF THE COMPLETE SWPPP."



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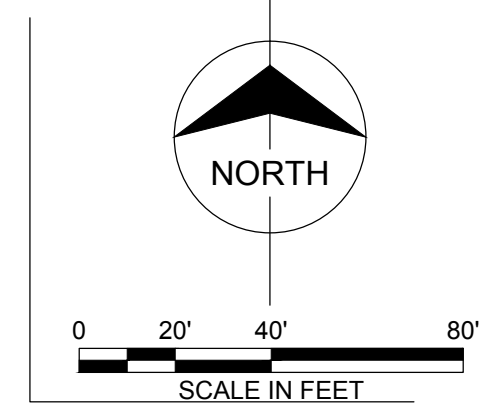


WEST END PERIMETER ROADWAY
DRAINAGE, SOIL EROSION
SEDIMENT CONTROL PLAN

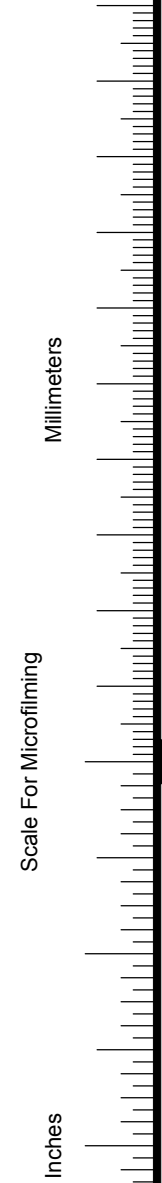
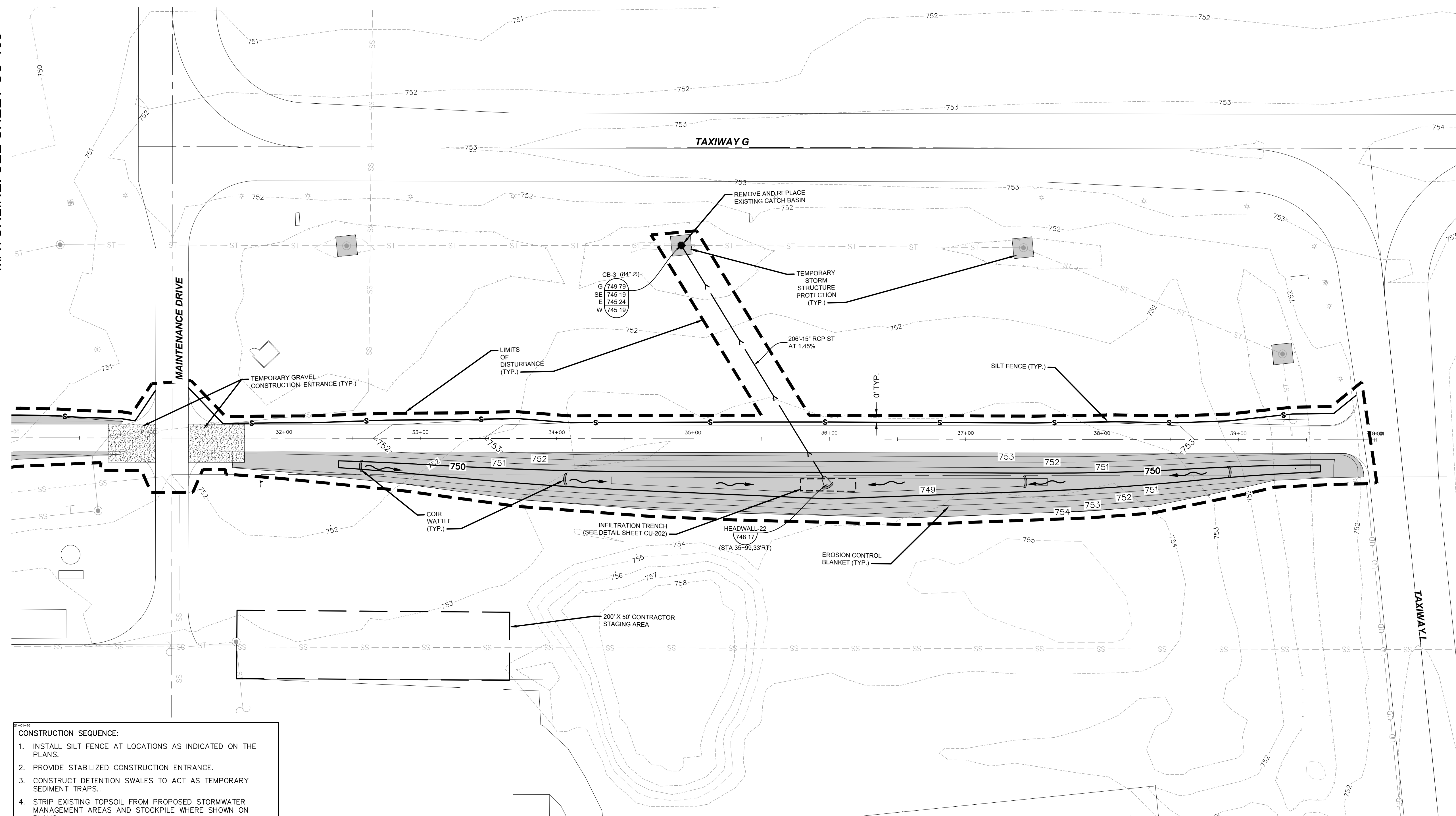
project	88849	contract	DPA-4300
drawing	CU-102	rev.	
sheet	of	sheets	
file			

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"THESE EROSION CONTROL PLANS ARE A PORTION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) TOTAL REQUIREMENTS FOR A COMPLETE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY THE GENERAL NPDES PERMIT NO. ILR10. CLIENT AND/OR CONTRACTOR WILL BE RESPONSIBLE FOR COMPLIANCE WITH ALL REQUIREMENTS OF THE GENERAL NPDES PERMIT AND COMPILATION OF THE COMPLETE SWPPP."



MATCHLINE: SEE SHEET CU-103



- CONSTRUCTION SEQUENCE:**
1. INSTALL SILT FENCE AT LOCATIONS AS INDICATED ON THE PLANS.
 2. PROVIDE STABILIZED CONSTRUCTION ENTRANCE.
 3. CONSTRUCT DETENTION SWALES TO ACT AS TEMPORARY SEDIMENT TRAPS.
 4. STRIP EXISTING TOPSOIL FROM PROPOSED STORMWATER MANAGEMENT AREAS AND STOCKPILE WHERE SHOWN ON PLANS.
 5. PROVIDE DOUBLE ROW SILT FENCE AROUND THE BASE OF THE STOCKPILES.
 6. CONSTRUCT STORMWATER MANAGEMENT (DETENTION) FACILITIES TO SUB-GRADE AND INSTALL OUTLET PIPES.
 7. COMPLETE TOPSOIL PLACEMENT AND PERMANENT SEEDING AND SODDING OF STORMWATER MANAGEMENT FACILITIES.
 8. CUT AND FILL SITE TO PLAN SUB-GRADE.
 9. CONSTRUCT UNDERGROUND IMPROVEMENTS, I.E. SANITARY SEWER WATERMAIN AND STORM SEWER**, ETC.
 10. CONSTRUCT PAVEMENT IMPROVEMENTS PER PLAN.
 11. COMPLETE CONSTRUCTION OF SITE WITH PERMANENT STABILIZATION.
 12. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
- ** INSTALL INLET PROTECTION AROUND DRAINAGE STRUCTURES AS CONSTRUCTED.

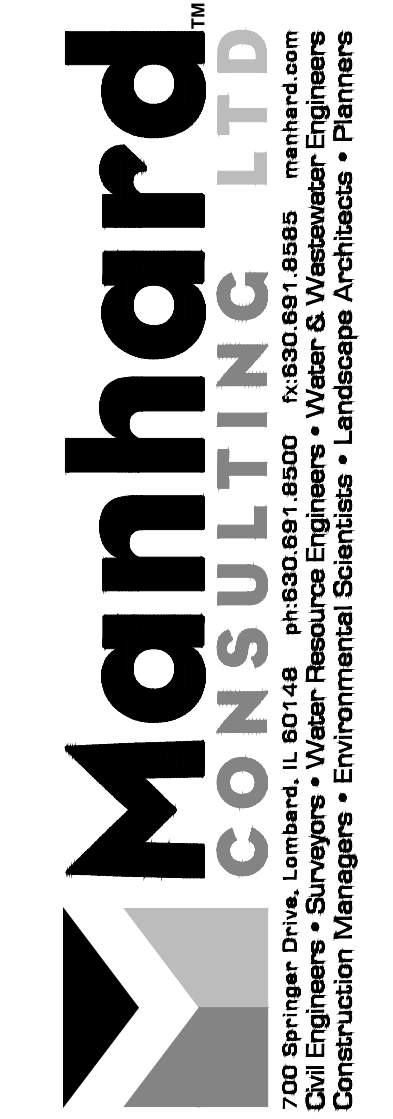
DISTURBED AREAS ARE TO BE PERMANENTLY STABILIZED WITH THE SPECIFIED MIX

Seeds	Lbs./Acre
Inferno Tall Fescue or Tarheel II Fescue	60
Annual Ryegrass	20
Audubon Red Fescue	30
Rescue 911 Hard Fescue	30
Endophytic Fescue Cultivar	60

LEGEND

-S-S-	TEMPORARY SILT FENCE (PERIMETER EROSION BARRIER)	--- 749 ---	EXISTING CONTOUR	NAME# (SIZE)	
[Hatched Box]	EROSION CONTROL BLANKET (NORTH AMERICAN GREEN DS 75)	--- 752 ---	PROPOSED CONTOUR	[Circle with RIM, INV., INV., INV.]	STORM STRUCTURE LABEL
[Stippled Box]	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE	●	PROPOSED CATCH BASIN	(STATION, OFFSET)	
[Square with Circle]	TEMPORARY STORM STRUCTURE PROTECTION	○	PROPOSED MANHOLE		
[Wavy Line]	COIR WATTLE (TYP.)	∩	PROPOSED CONCRETE FLARED END SECTION		
[Arrow]	PAVEMENT DRAINAGE FLOW	—>	PROPOSED STORM SEWER		
[Wavy Arrow]	SWALE DRAINAGE FLOW	⊗	PROPOSED RIP RAP		
[Dashed Line]	LIMITS OF DISTURBANCE/CONSTRUCTION	[Dashed Box]	PROPOSED INFILTRATION TRENCH (SEE DETAIL SHEET CU-202)		

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/07/16	KS	DB	ISSUED FOR PERMIT REVIEW
C	04/15/16	AB	BQ	ISSUED FOR BID



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DUPAGE AIRPORT AUTHORITY

DuPage, Illinois

WEST END PERIMETER ROADWAY

DRAINAGE, SOIL EROSION
 SEDIMENT CONTROL PLAN

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STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, LATEST EDITION.

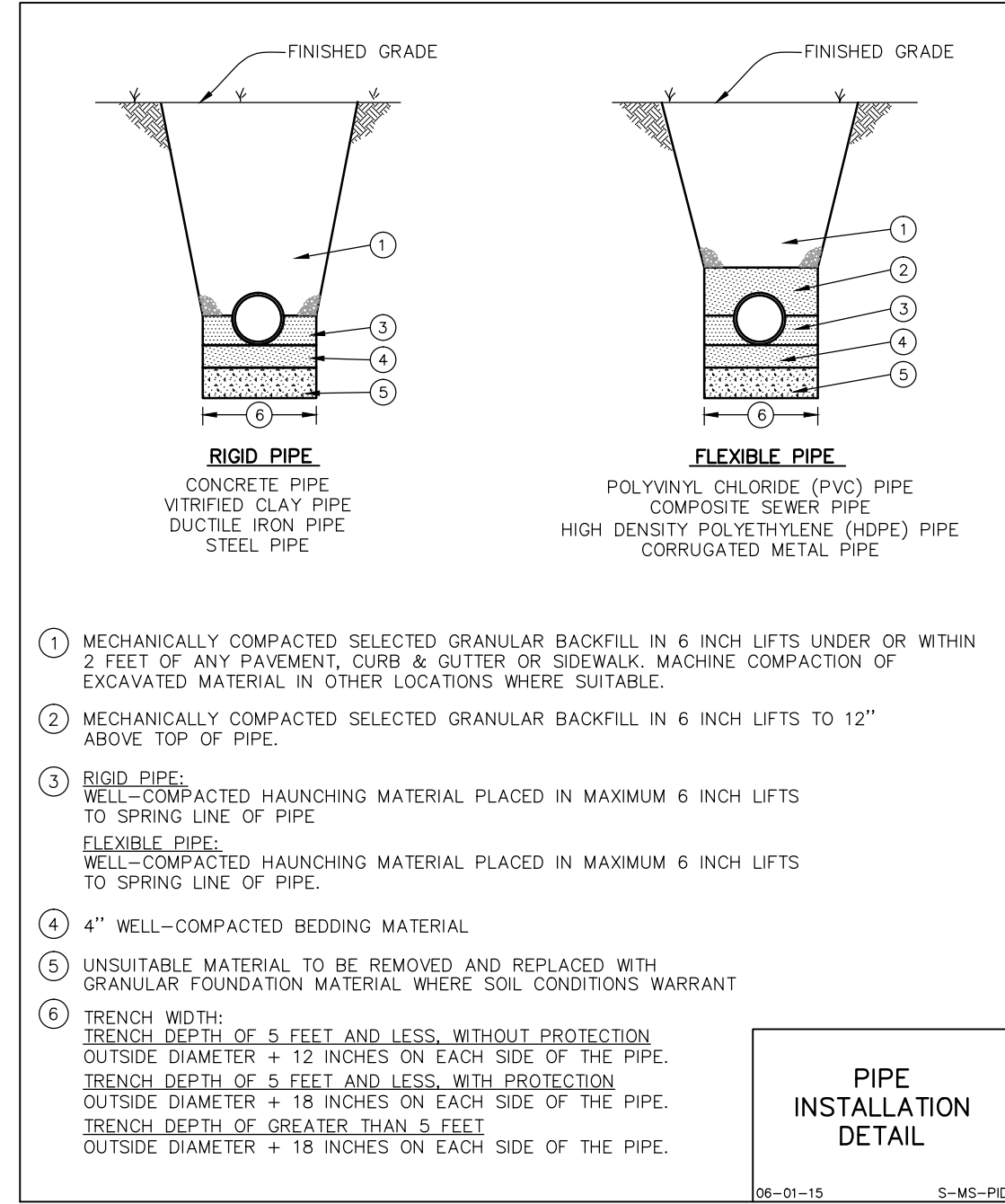
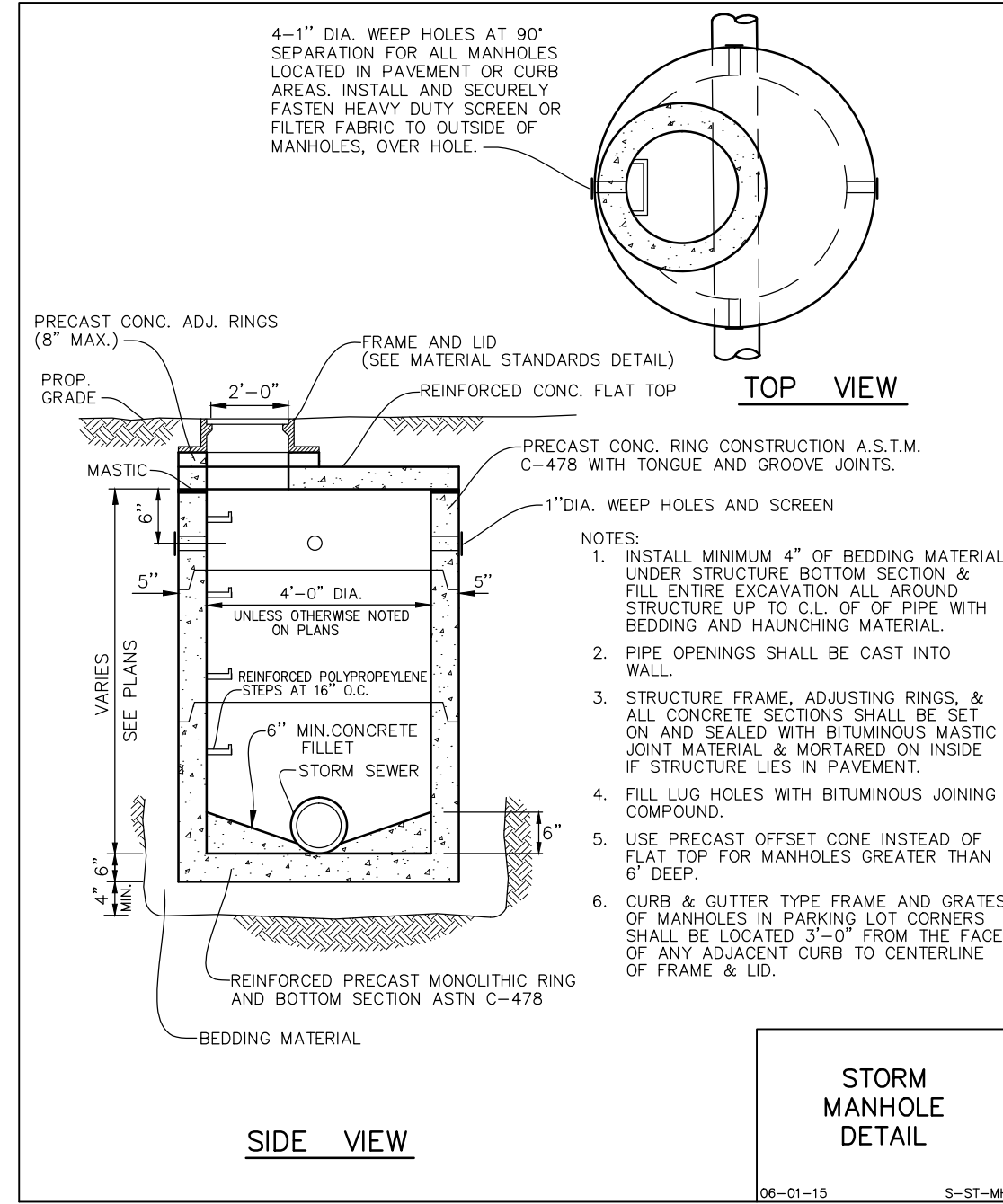
41-2.01 PROTECTION OF WATER MAIN AND WATER SERVICE LINES
41-2.01A GENERAL

Water mains and water service lines shall be protected from sanitary sewers, storm sewers, combined sewers, house sewer service connections and drains as follows:

41-2.01B HORIZONTAL SEPARATION - WATER MAINS AND SEWERS

- (1.) Water mains shall be located at least ten (10) feet (3.1 m) horizontally from any existing or proposed drain, storm sewer, sanitary sewer, combined sewer or sewer service connection.
- (2.) Water mains may be located closer than ten (10) feet (3.1 m) to a sewer line when:
 - (a) local conditions prevent a lateral separation of ten (10) feet (3.1 m); and
 - (b) the water main invert is at least eighteen (18) inches (460 mm) above the crown of the sewer; and
 - (c) the water main is either in a separate trench or in the same trench on an undisturbed earth shelf located to one side of the sewer.
- (3.) When it is impossible to meet (1) or (2) above, both the water main and drain or sewer shall be constructed of slip-on or mechanical joint cast or ductile iron pipe, prestressed concrete pipe, or PVC pipe equivalent to water main standards of construction. The drain or sewer shall be pressure tested to the maximum expected surge head before backfilling. See Standard Drawing No. 18.

WATER AND SEWER SEPARATION REQUIREMENTS (HORIZONTAL SEPARATION)
 06-01-15 S-1M-SEP-3



MATERIAL STANDARDS

ITEM	BRAND	PRODUCT
FIRE HYDRANTS (TRAFFIC MODEL)	MUELLER SUPER CENTURION WATEROUS PACER	A-423 WB-67
GATE VALVES SPECIFY SIZE NON-RISING STEM, 2" NUT, M.I., OPEN LEFT	MUELLER (SIZE) AMERICAN FLOW CONTROL	A-2360-20L SERIES 2500
VALVE BOXES 3 PIECE	EAST JORDAN TYLER/UNION FORD	SCREW ADJUSTING EXTENSION TYPE
CURB STOPS (SPECIFY SIZE)	MUELLER FORD	300 BALL VALVE BALL VALVE
CORPORATION VALVE (SPECIFY SIZE)	MUELLER FORD	H-15000 FB600 (AWWA/CC THREAD)
MANHOLES/CATCHBASINS/INLETS IN OPEN AREAS AND PAVEMENT (SELF-SEALING LID WITH PROPER UTILITY MARKINGS)	NEENAH CLOSED LID	R-1772
	OPEN LID *1 SWALES AND DITCHES	R-2502 C R-4340 B
MANHOLES/CATCH BASINS/INLETS IN COMBINATION CURB & GUTTER (BICYCLE SAFE)	NEENAH ROLL/MOUNTABLE CURB B6.12 CURB	R-3501-D2A R-3281A *-3281-AL
WATER SERVICE SADDLES (ALL SERVICE SADDLES SHALL BE DOUBLE STRAP; BRONZE, NYLON COATED OR STAINLESS STEEL)	MUELLER FORD SMITH-BLAIR 3/4" & 1"	DR2S FS-303 # 317
B-BOX (AT LEAST 1 1/4" TOP SECTION) ARCH PATTERN PLUG STYLE LID	FORD MUELLER	EA2 CURB BOX

*1 WHEREVER STORMWATER COULD POSSIBLY ENTER STORM STRUCTURE

MATERIAL STANDARDS
 06-01-15 S-MS-MATR

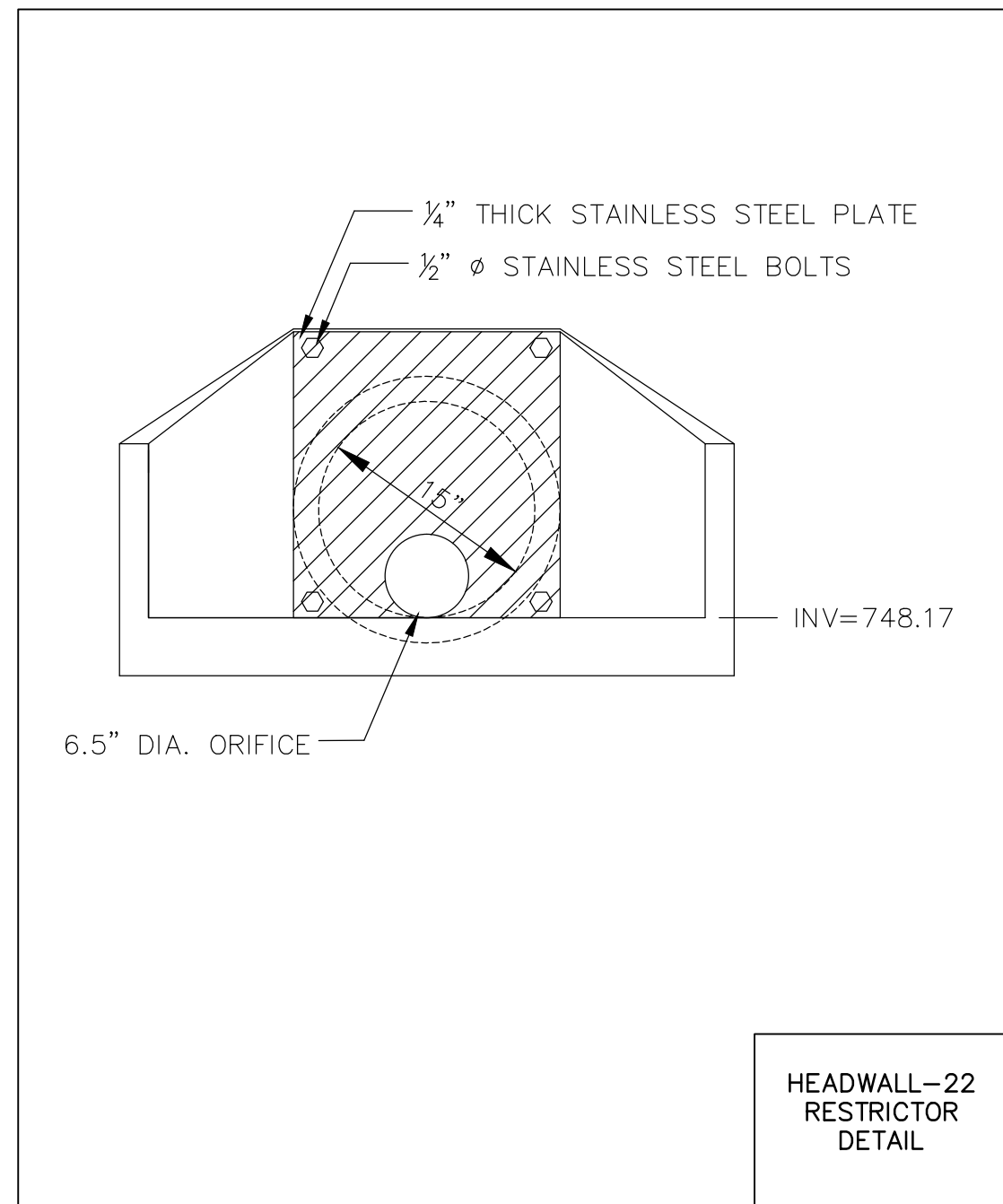
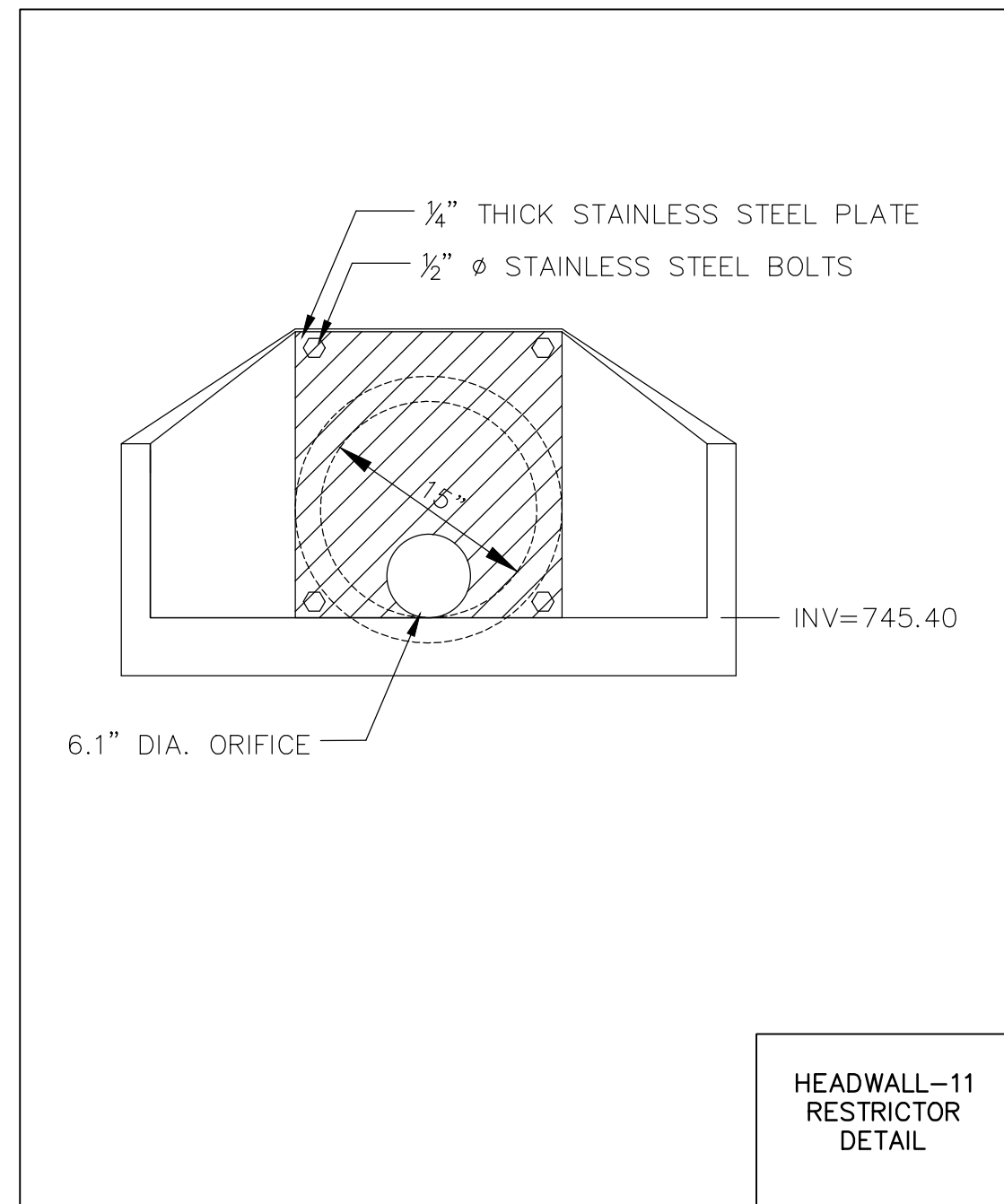
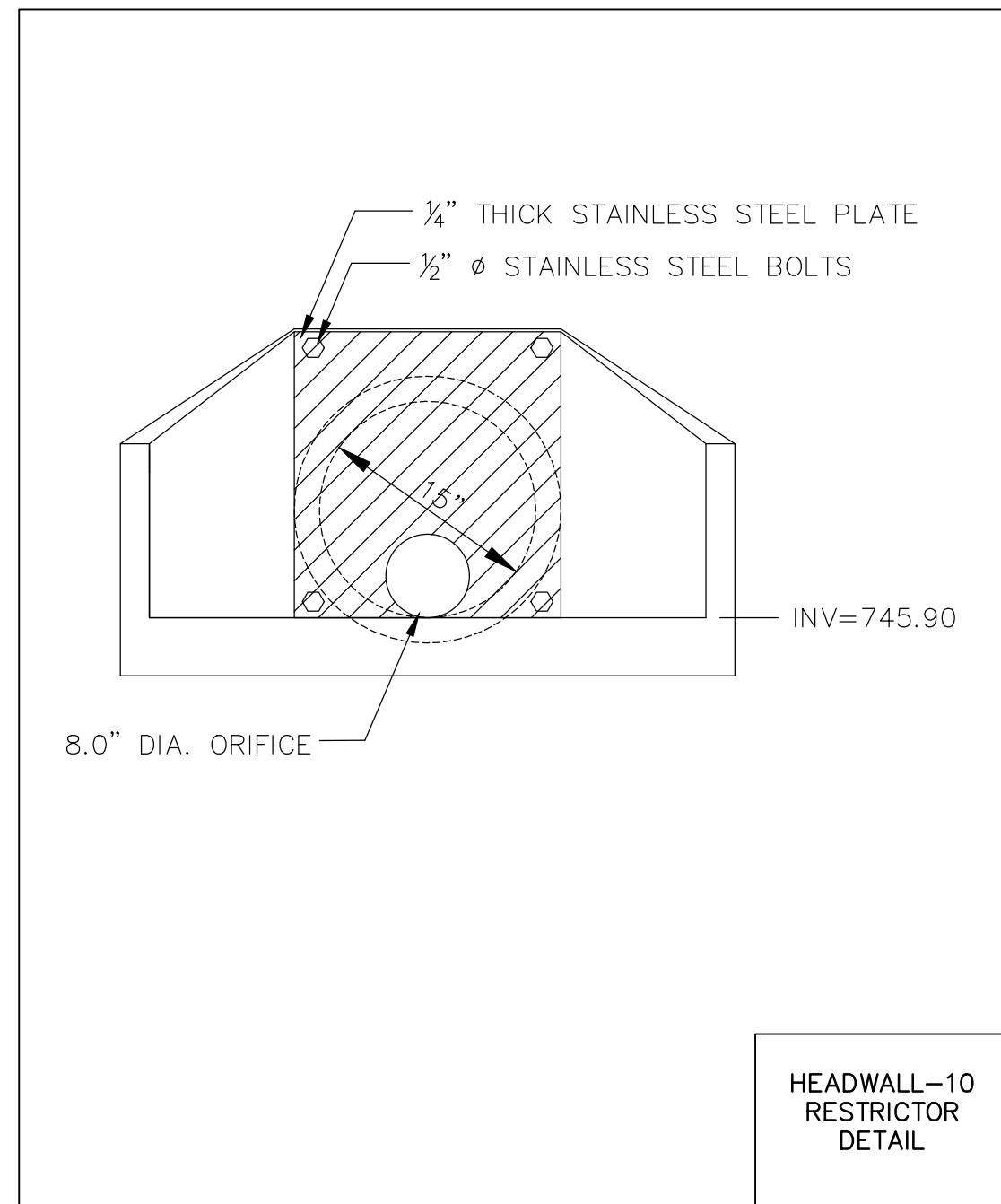
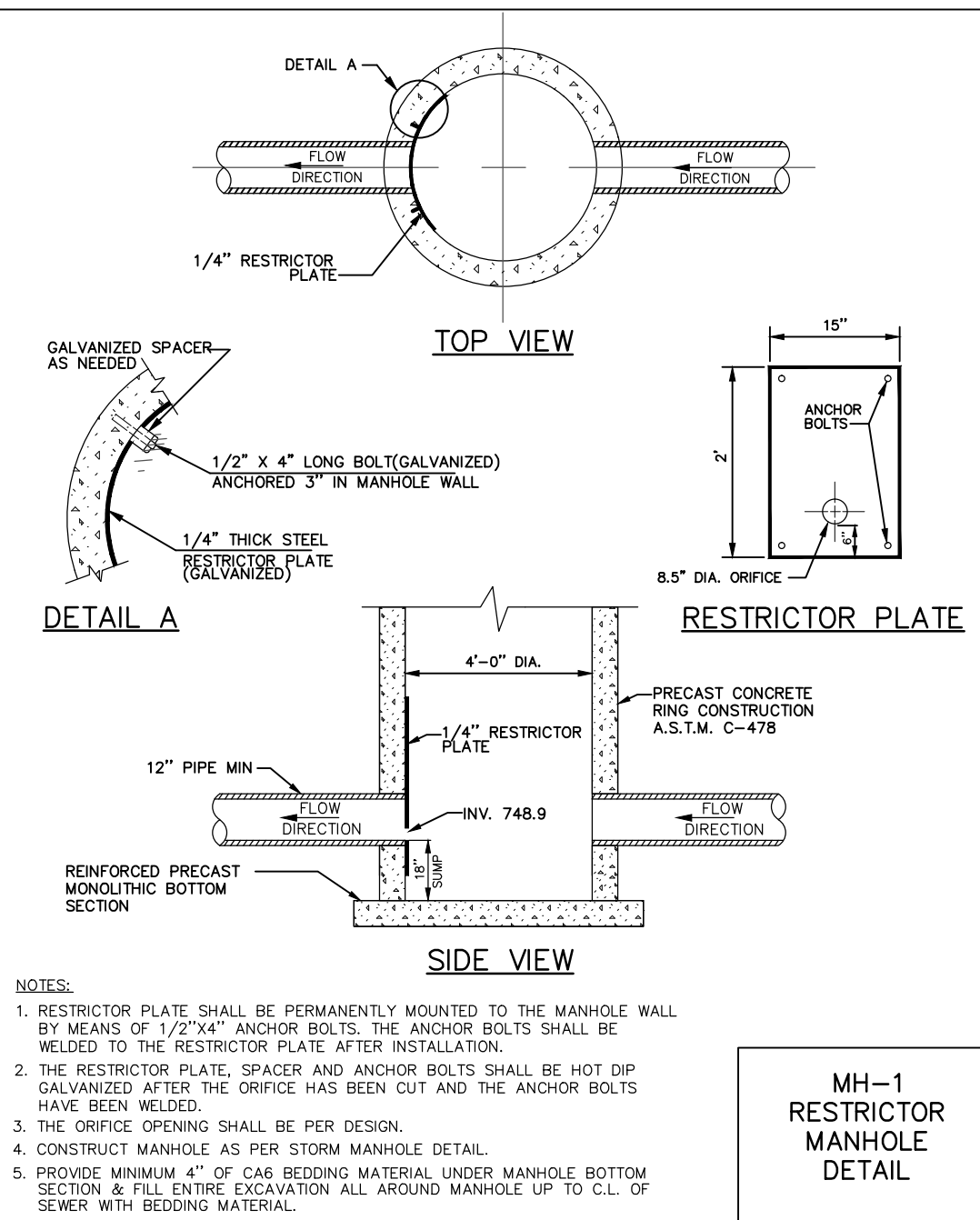
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Millimeters

Scale For Microfining

Inches



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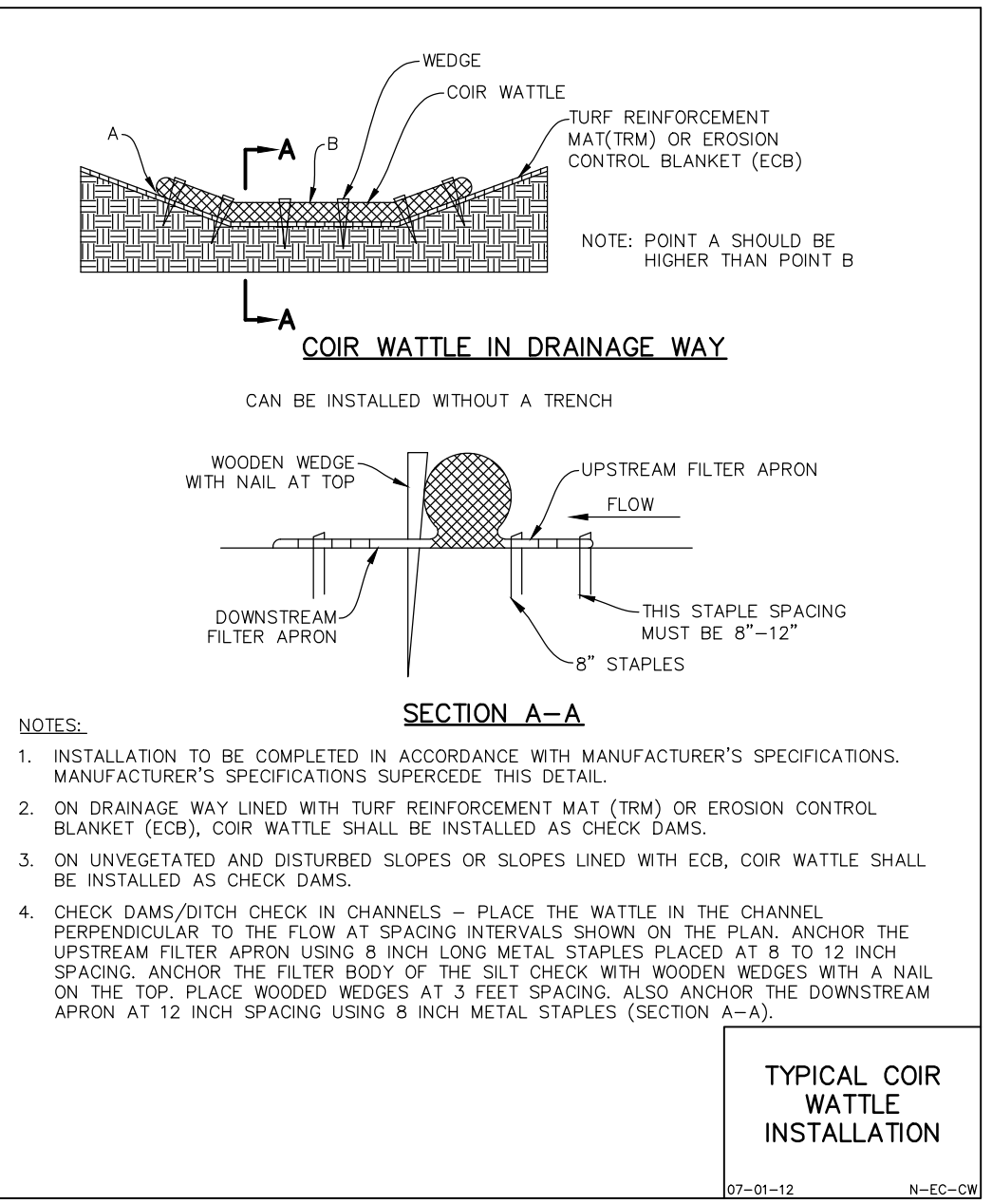
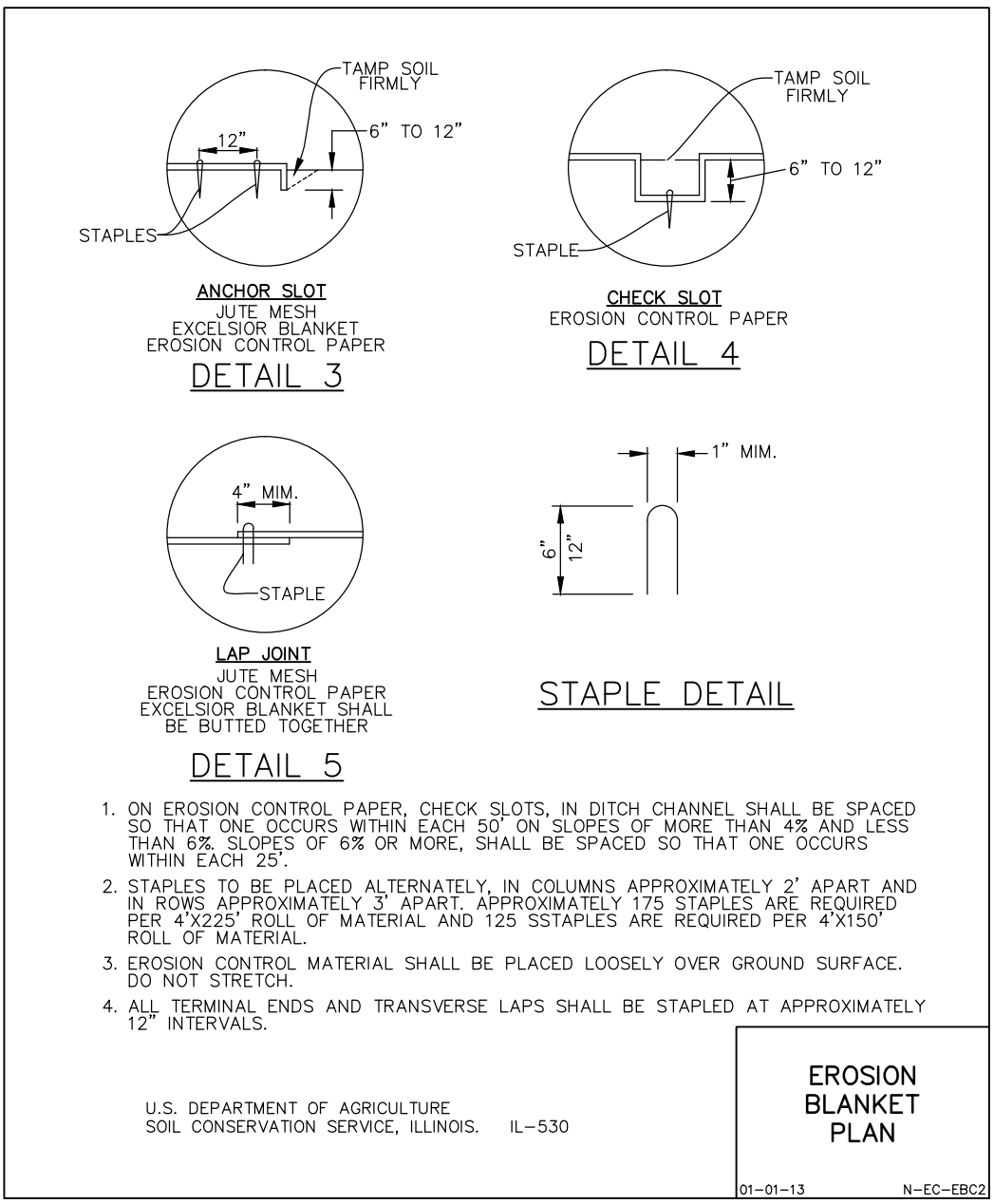
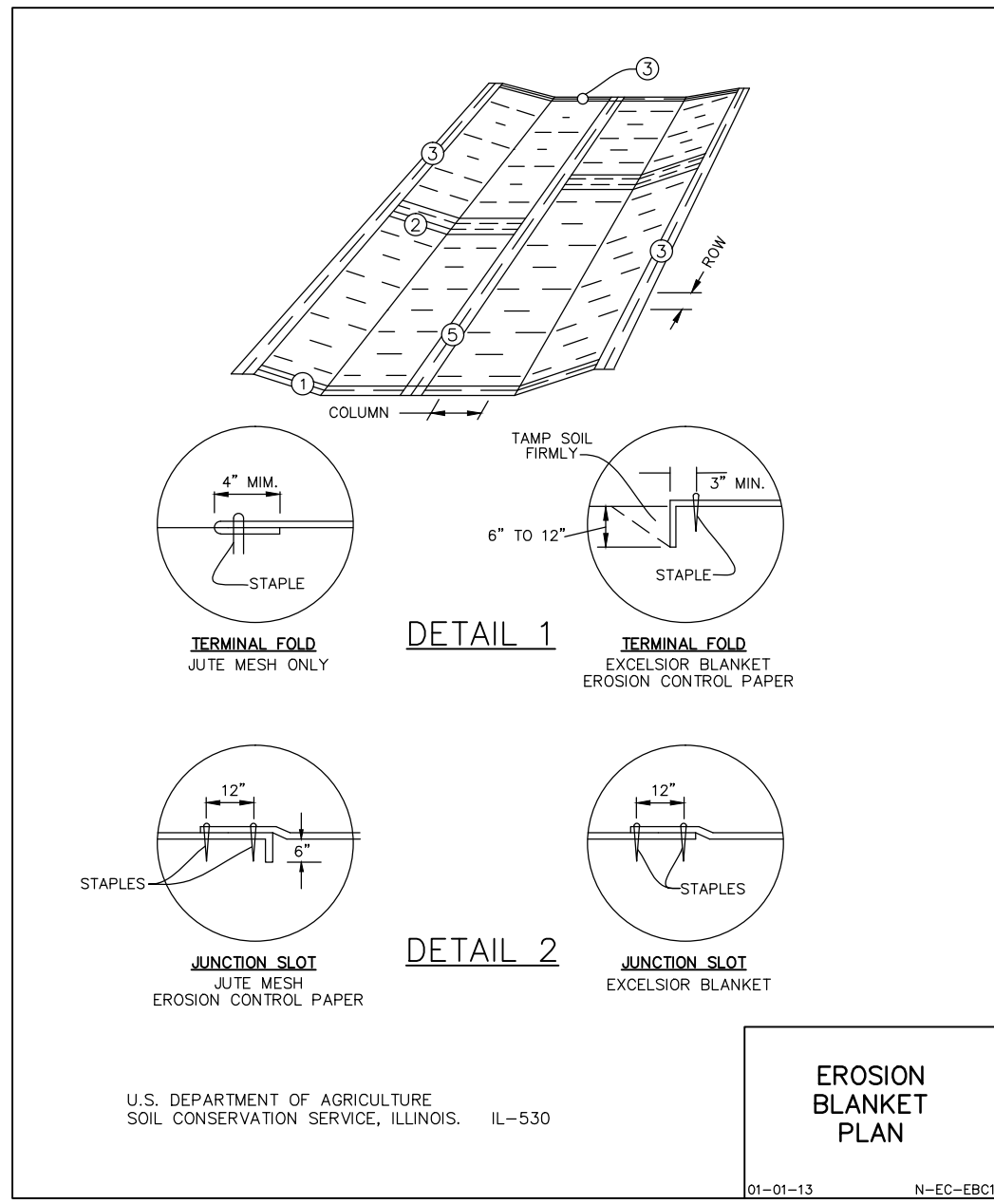
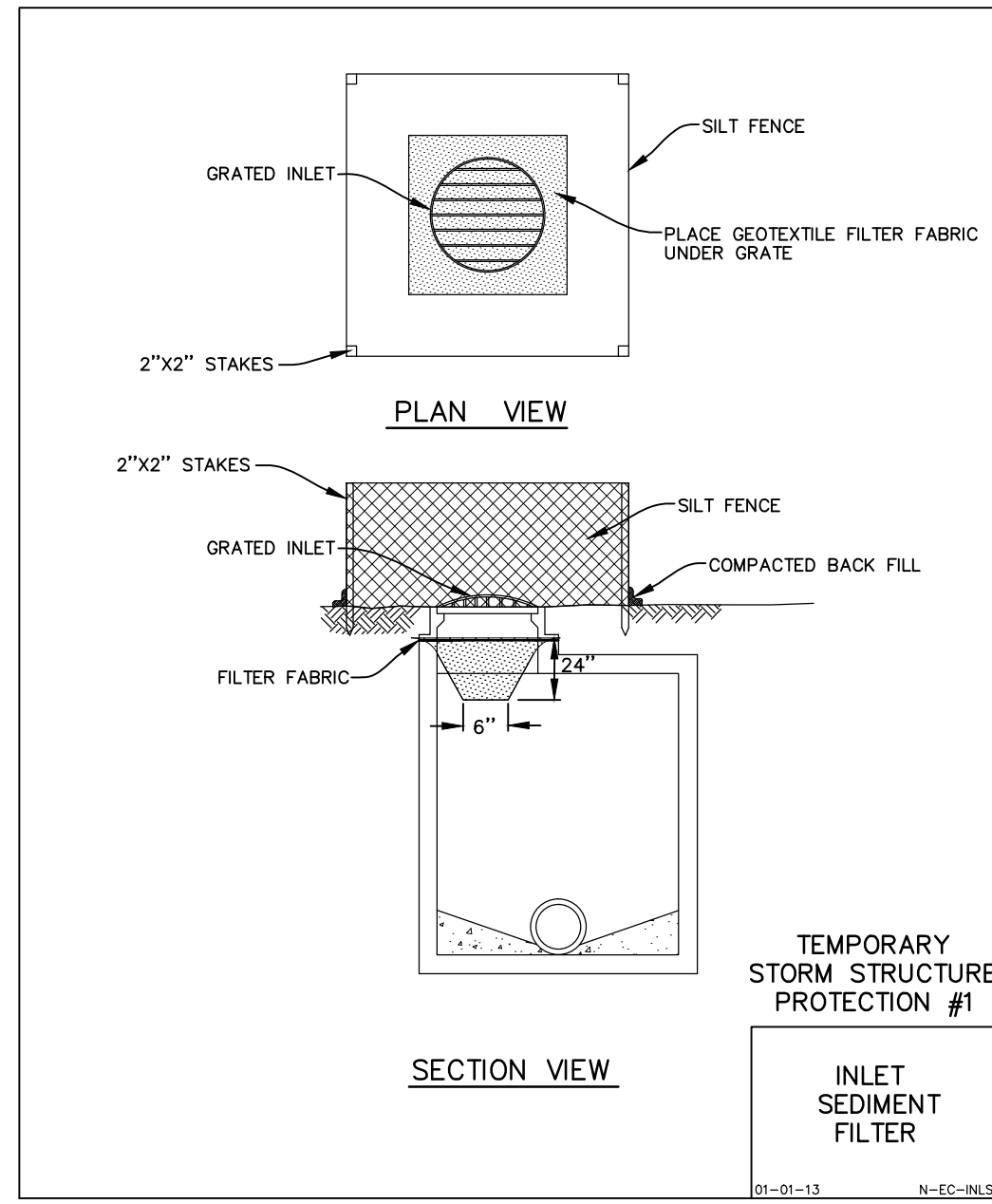


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WEST END PERIMETER ROADWAY

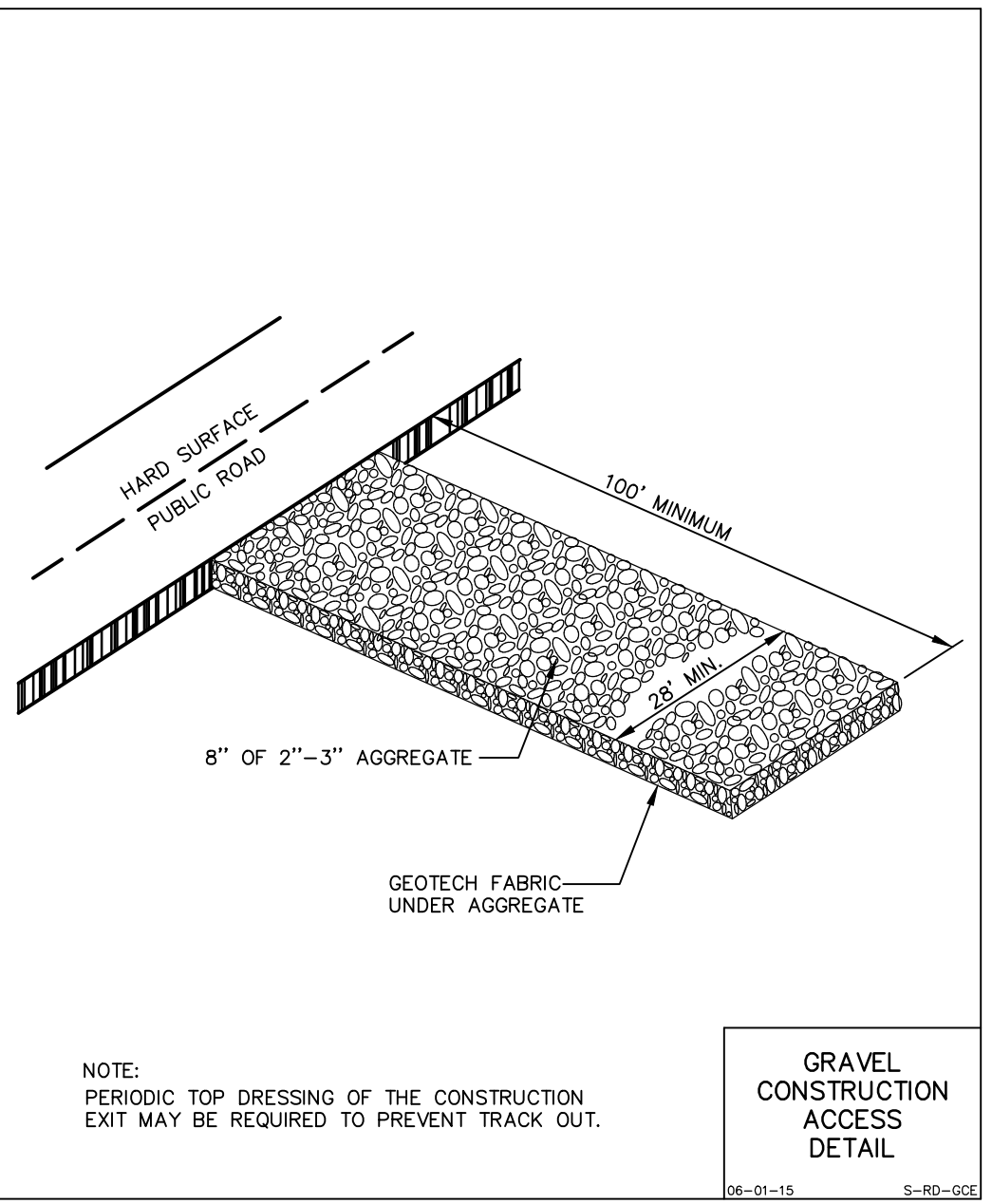
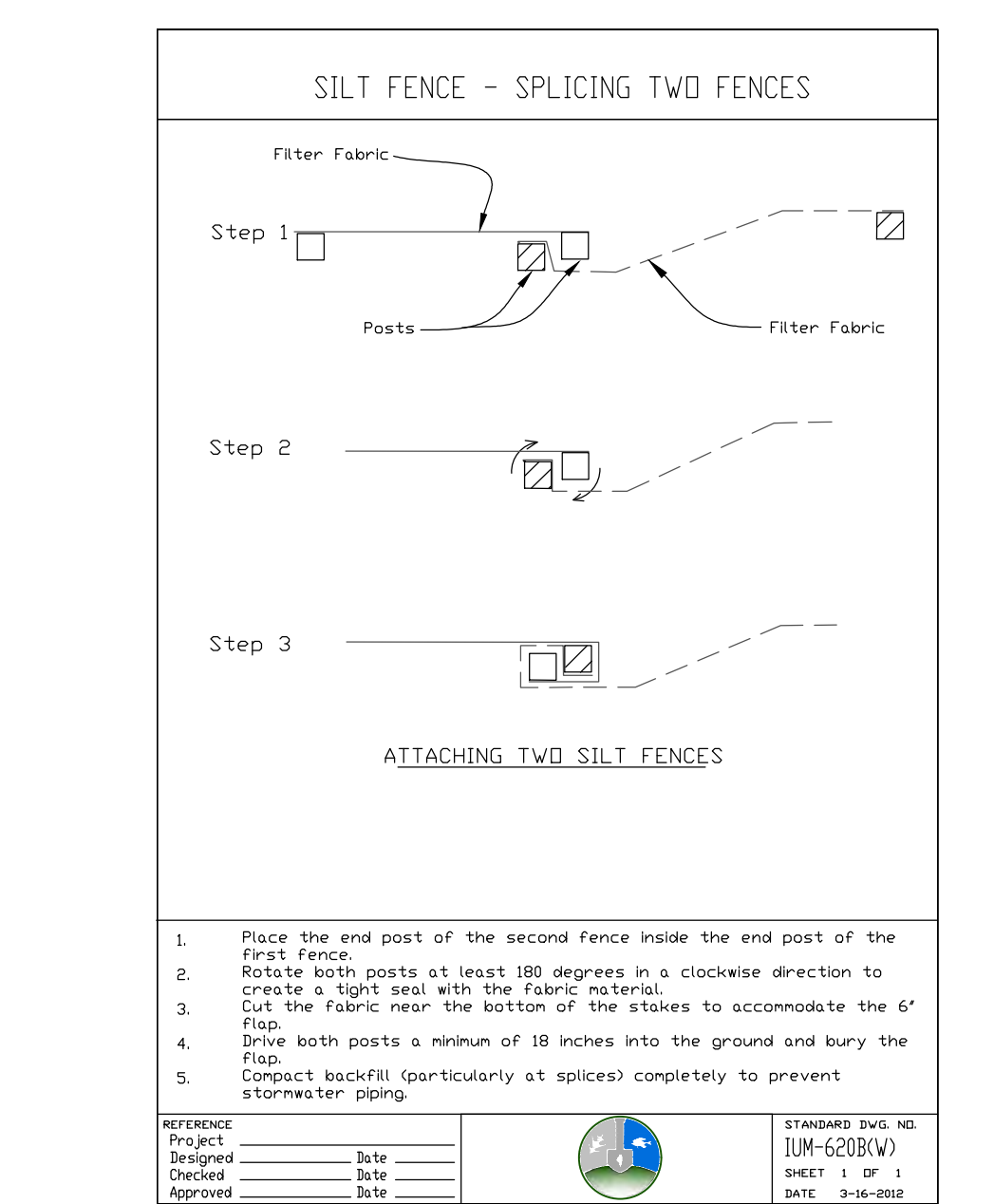
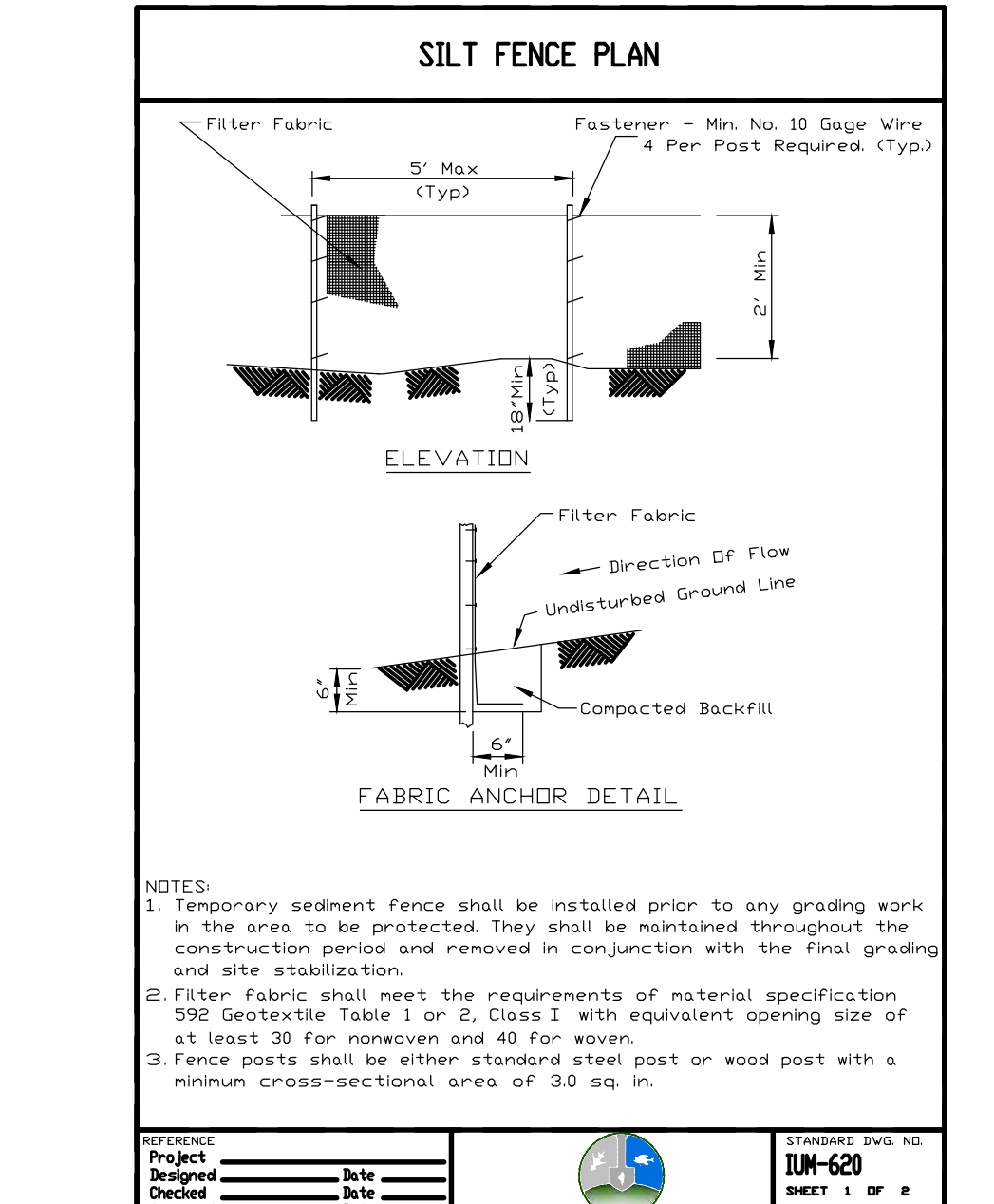
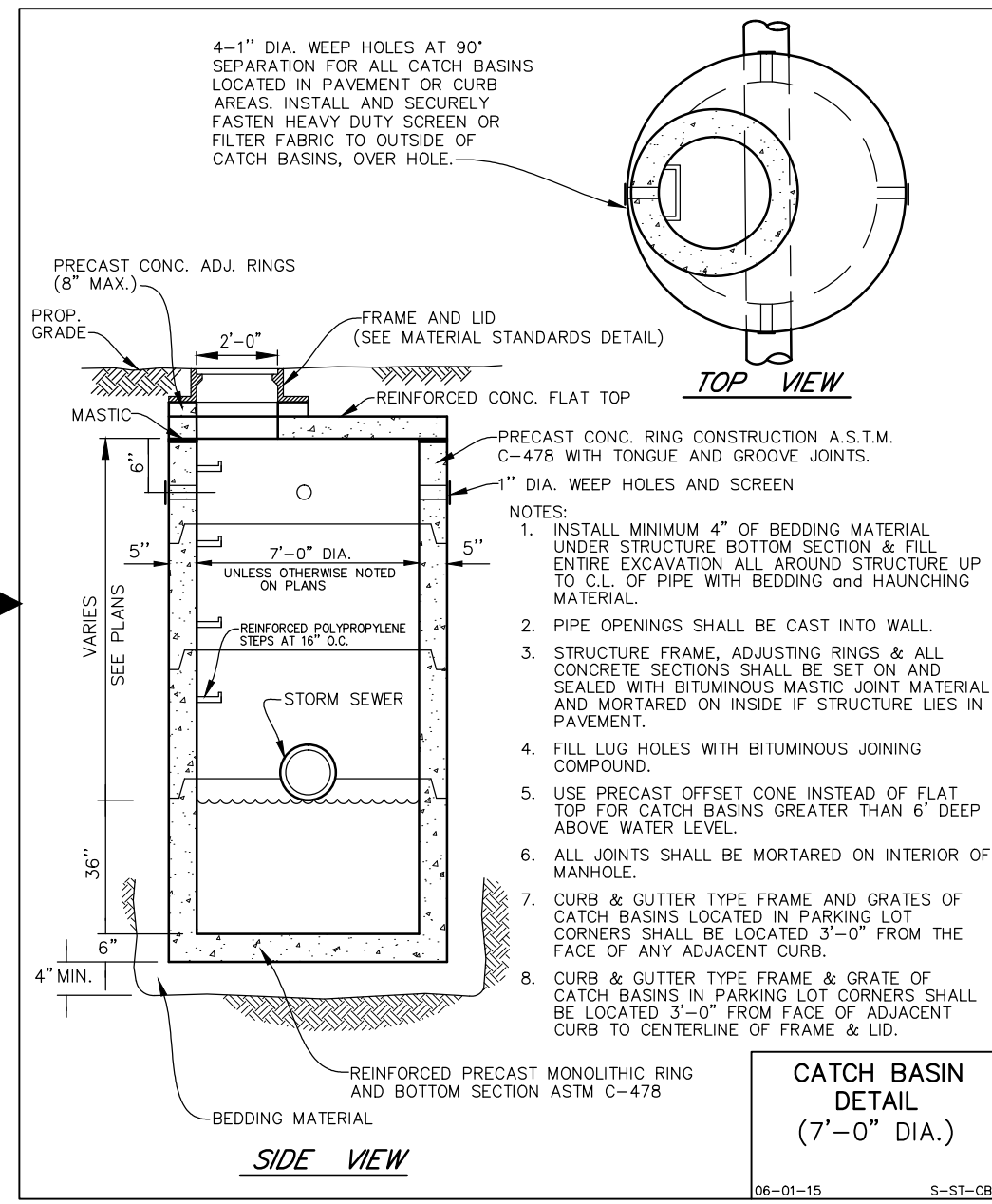
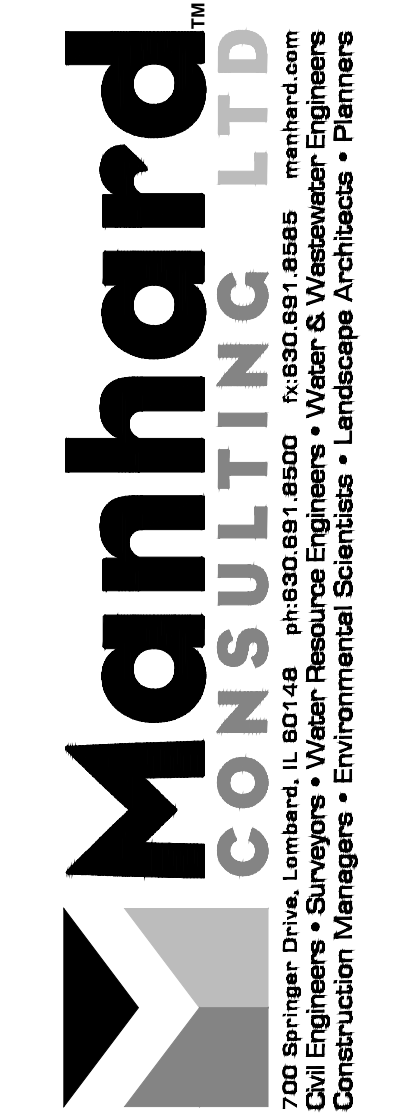
DRAINAGE DETAILS

project	88849	contract	DPA-4300
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sheet	of	sheets	
file			



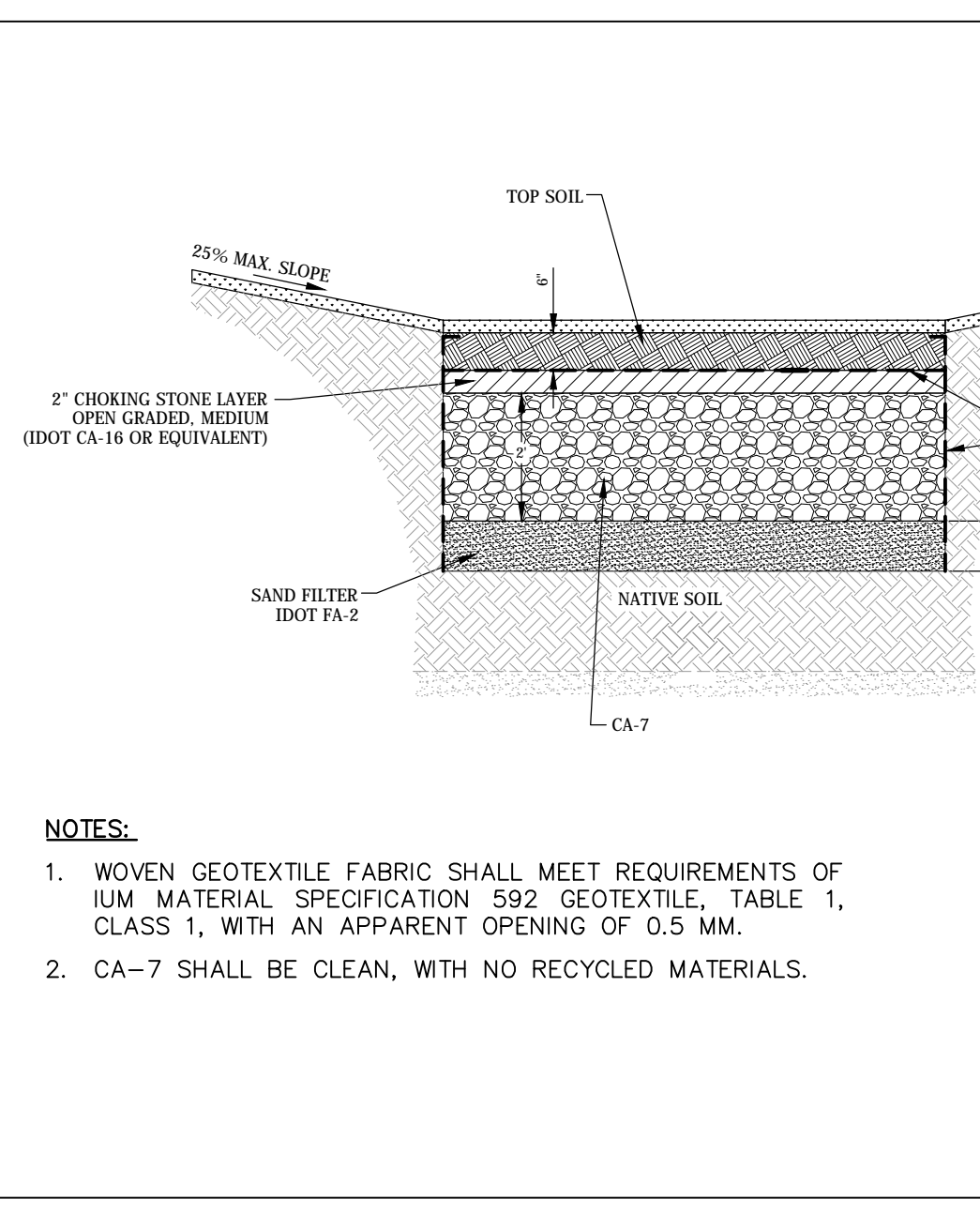
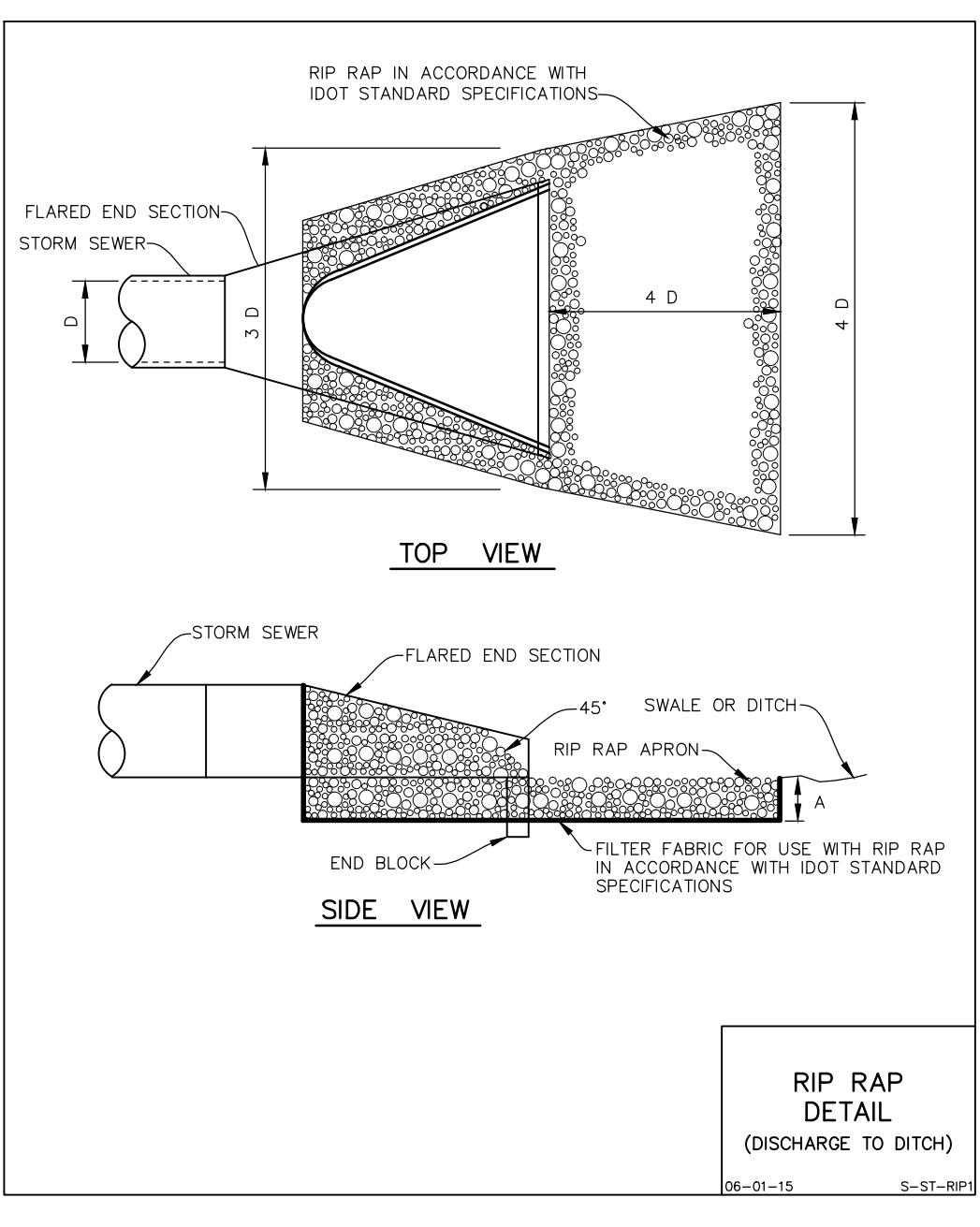
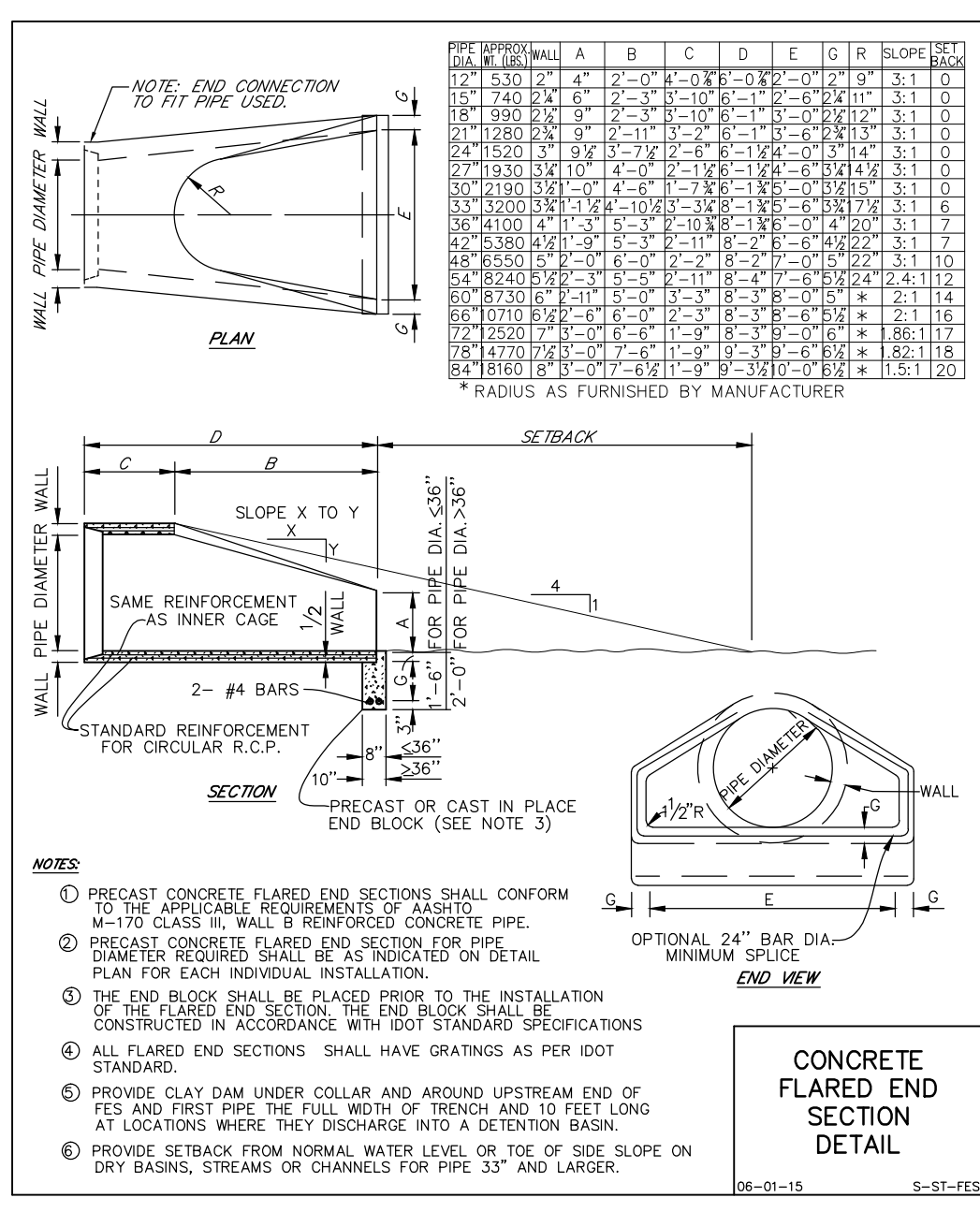
SOIL EROSION AND SEDIMENTATION CONTROL GENERAL NOTES:

- ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS URBAN MANUAL".
- MAINTENANCE AND REPLACEMENT OF EROSION CONTROL ITEMS, WHEN DIRECTED BY THE OWNER, SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
- INSTALL ALL PERIMETER SILT FENCING PRIOR TO ANY CLEARING OR GRADING. ON-SITE SEDIMENT CONTROL MEASURES AS SHOWN AND SPECIFIED BY THIS EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE CONSTRUCTED AND FUNCTIONAL PRIOR TO INITIATING CLEARING, GRADING, STRIPPING, EXCAVATION OR FILLING ACTIVITIES ON THE SITE.
- STORM WATERS FALLING ON THE ENTIRE SITE SHALL BE DIVERTED INTO THE DETENTION SWALES, PRIOR TO BEGINNING MASS EXCAVATION, THE CONTRACTOR SHALL CONSTRUCT DITCHES, SWALES, SEDIMENTATION TRAPS AND SILTATION CONTROL MEASURES AS REQUIRED TO INTERCEPT SURFACE WATERS BEFORE THEY FLOW ONTO ADJACENT PROPERTY AND CONVEY THEM TO THE DETENTION SWALES.
- DISTURBED AREA SHALL BE STABILIZED BY SEEDING AT A MINIMUM WITHIN SEVEN (7) DAYS OF COMPLETION OF DISTURBANCE UNLESS THE AREA WILL BE DISTURBED WITHIN FOURTEEN (14) DAYS AND GRASS SOWN AS NECESSARY TO RE-ESTABLISH VEGETATION FOR CONTROL OF SILTATION AND SOIL EROSION.
- TEMPORARY SEED MIXTURE SHALL BE APPLIED AT 64 LBS/ACRE.
- INLET PROTECTION SHALL BE INSTALLED UNDER THE GRATING OF EACH DRAINAGE STRUCTURE.
- TOPSOIL STOCKPILES SHALL BE SEED WITHIN SEVEN (7) CALENDAR DAYS OF COMPLETION FOR EROSION CONTROL UNLESS THEY WILL BE DISTURBED WITHIN FOURTEEN (14) CALENDAR DAYS. ALL SOIL STORAGE PILES SHALL BE PROTECTED FROM EROSION WITH SILT FENCE ON THE DOWN SLOPE SIDE OF THE PILES.
- DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO DETENTION SWALES. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.
- WATER PUMPED DURING CONSTRUCTION OPERATION SHALL BE FILTERED.
- DUST CONTROL SHALL BE PERFORMED ON A DAILY BASIS USING WATER DISPENSED FROM A TRUCK MOUNTED TANK WITH STANDARD DISCHARGE HEADER TO PROVIDE A UNIFORM RATE OF APPLICATION.
- TEMPORARY GRAVEL CONSTRUCTION ENTRANCES SHALL BE MAINTAINED, ADJUSTED OR RELOCATED AS NECESSARY TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC ROADWAYS. ANY SEDIMENT REACHING A PUBLIC ROAD SHALL BE REMOVED BY SHOVELING OR STREET CLEANING BEFORE THE END OF EACH WORKING DAY.
- ANY LOOSE MATERIAL THAT IS DEPOSITED IN THE FLOW LINE OF ANY GUTTER OR DRAINAGE STRUCTURE DURING CONSTRUCTION OPERATIONS SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.
- OVERLAND FLOW SHALL BE DIRECTED TO THE DETENTION SWALES PRIOR TO LEAVING THE SITE.
- THE EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL JURISDICTIONAL GOVERNMENTAL REQUIREMENTS WITHIN 30 DAYS OF FINAL STABILIZATION.



RIP-RAP						
PIPE DIAMETER (IN.)	STONE RIP-RAP				BEDDING	
	QUALITY DESIGNATION	GRADATION NUMBER	MINIMUM THICKNESS (IN.)	MINIMUM WEIGHT (LB)	WEIGHT AVERAGE (#)	SIZE AVERAGE (IN.)
12"	B	3	8"	5	1-50	4.5"
15"	B	3	8"	5	1-50	4.5"
18"	B	4	16"	6"	1-150	40
21"	B	4	16"	7"	1-150	40
24"	B	4	16"	8"	1-150	40
27"	B	4	16"	9"	1-150	40
30"	B	4	16"	10"	1-150	40
36"	B	5	22"	12"	3-400	90
42"	B	5	22"	14"	3-400	90
48"	B	6	26"	16"	6-600	170
54"	B	6	26"	18"	6-600	170
60"	B	6	26"	20"	6-600	170
72"	B	6	26"	24"	6-600	170

NOTE:
1. FOR PIPE LARGER THAN 72" A SPECIAL DESIGN OF RIP-RAP OR APRON IS REQUIRED.
2. REFER TO I.D.O.T. SPECIFICATIONS AND STANDARDS FOR BEDDING GRADATION.



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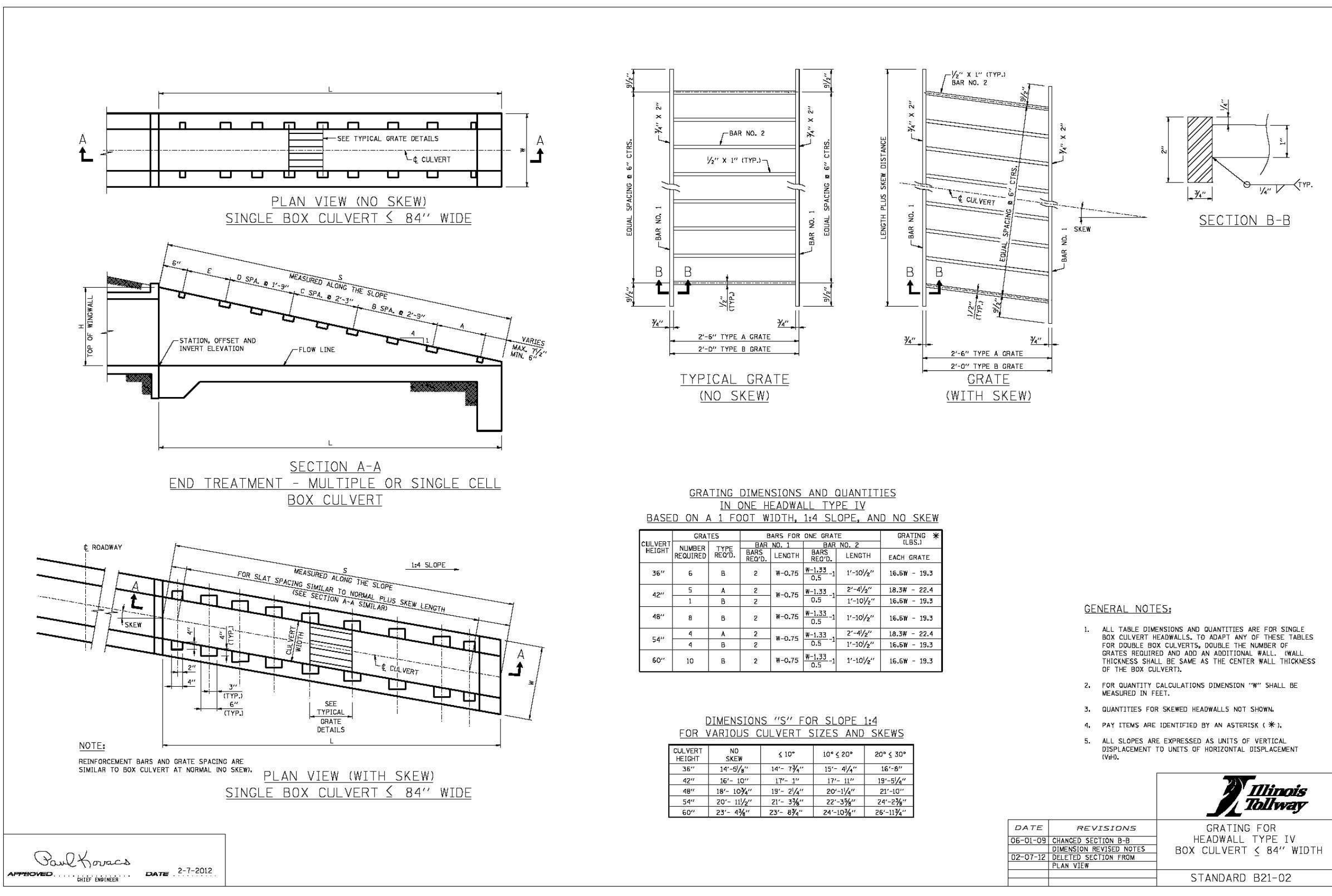
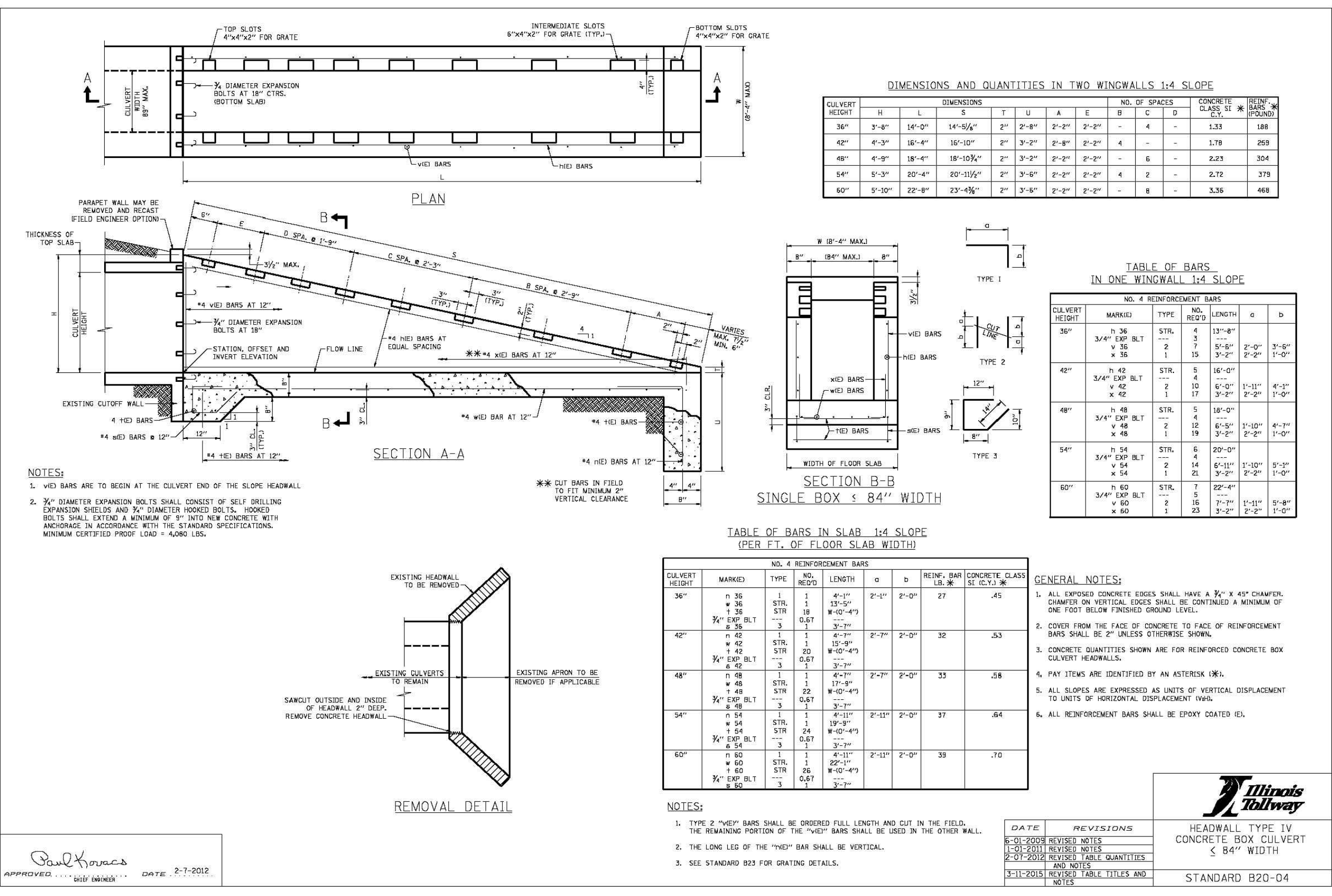
DUPAGE AIRPORT AUTHORITY
DuPage, Illinois

WEST END PERIMETER ROADWAY
DRAINAGE, SOIL EROSION
SEDIMENT CONTROL DETAILS

project	88849	contract	DPA-4300
drawing	CU-202	rev.	

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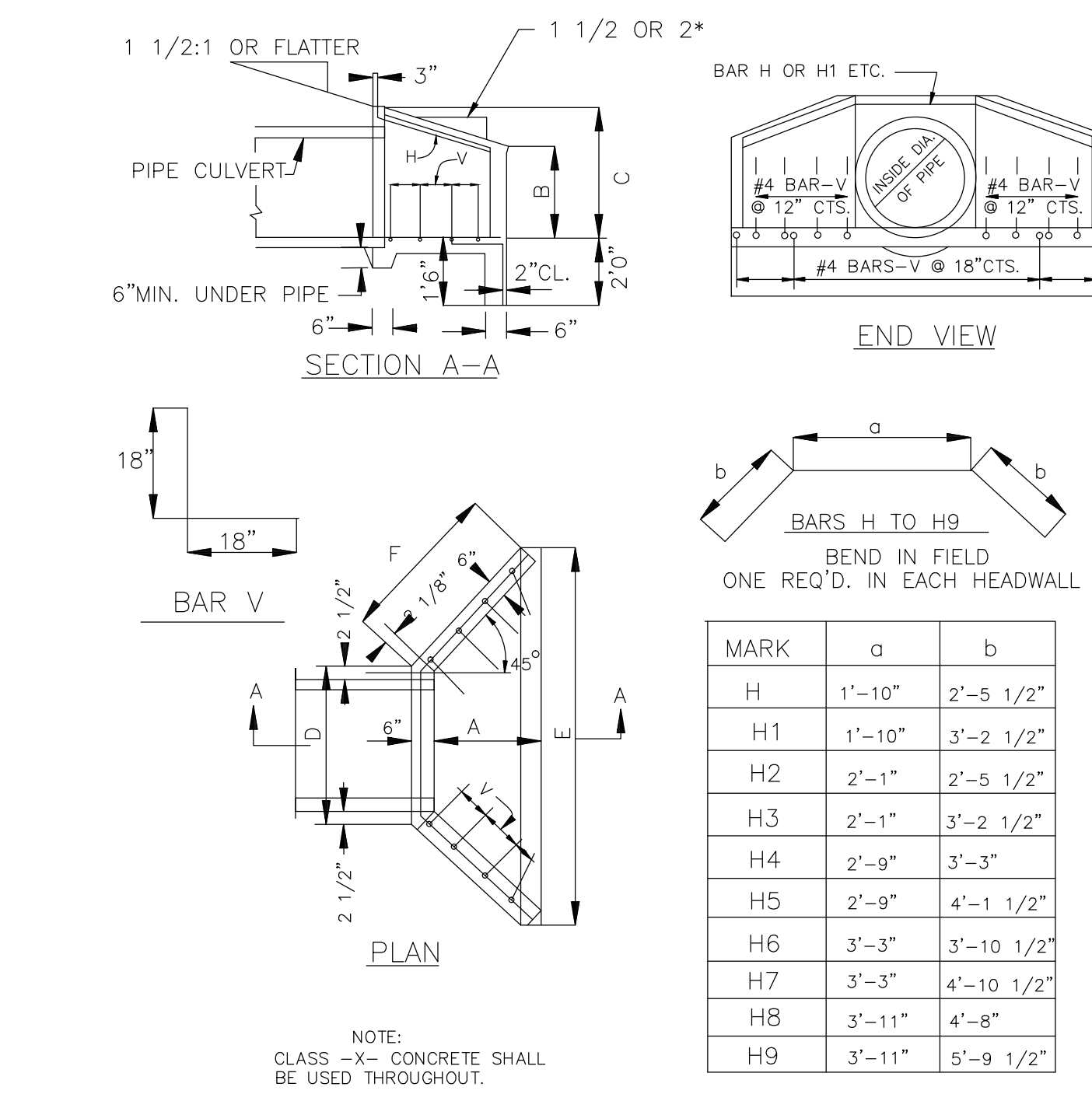
Professional Engineers & Surveyors
 Professional Landscapers & Landscape Architects
 Professional Planners

TABLE OF DIMENSIONS

DESIGN NO.	INSIDE DIA. OF PIPE	SLOPE OF * FILL	DIMENSIONS						CL. X CONC 2 HDWLS. CUL. YDS.	REINFORCEMENT BARS			
			A	B	C	D	E	F		H. BARS MARK	V. BARS NO.	TOTAL WT. 2-HDWLS	
D15-1 1/2	15"	1 1/2:1	1'-7"	10"	1'-11"	2'-0"	5'-5 1/2"	2'-5 1/2"	0.9	H	6'-9"	16	40
D15-2	15"	2:1	2'-2"	10"	1'-11"	2'-0"	6'-7 1/2"	3'-3 1/4"	1.2	H1	8'-3"	22	60
D18-1 1/2	18"	1 1/2:1	1'-7"	1'-1"	2'-2"	2'-3"	5'-8 1/2"	2'-5 1/2"	1.2	H2	7'-0"	16	40
D18-2	18"	2:1	2'-2"	1'-1"	2'-2"	2'-3"	6'-10 1/2"	3'-3 1/4"	1.3	H3	8'-6"	22	60
D24-1 1/2	24"	1 1/2:1	2'-1"	1'-4"	2'-9"	2'-11"	7'-4 1/2"	3'-2"	1.5	H4	9'-3"	22	60
D24-2	24"	2:1	2'-10"	1'-4"	2'-9"	2'-11"	8'-10 1/2"	4'-2 1/2"	2.0	H5	11'-0"	28	70
D30-1 1/2	30"	1 1/2:1	2'-6"	1'-7"	3'-3"	3'-5"	8'-8 1/2"	3'-9"	2.0	H6	11'-0"	28	70
D30-2	30"	2:1	3'-4"	1'-7"	3'-3"	3'-5"	10'-4 1/2"	4'-11"	2.6	H7	13'-0"	34	80
D36-1 1/2	36"	1 1/2:1	3'-0"	1'-10"	3'-10"	4'-1"	10'-4 1/2"	4'-5 1/2"	2.6	H8	13'-3"	30	80
D36-2	36"	2:1	4'-0"	1'-10"	3'-10"	4'-1"	12'-4 1/2"	5'-10 1/2"	3.5	H9	15'-6"	40	100

* IF EMBANKMENT SLOPE ABOVE HEADWALL IS FLATTER THAN 2:1, PROVIDE WINGS FOR 2:1 SLOPE.

REINFORCED CONCRETE HEADWALLS FOR PIPE CULVERTS



Scale For Micromining
Inches
Millimeters

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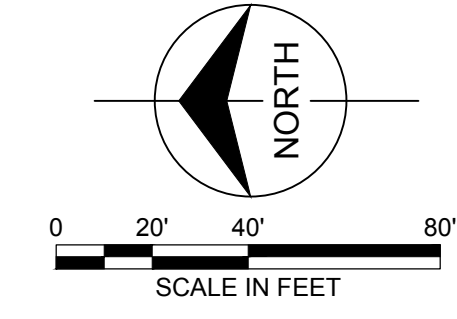
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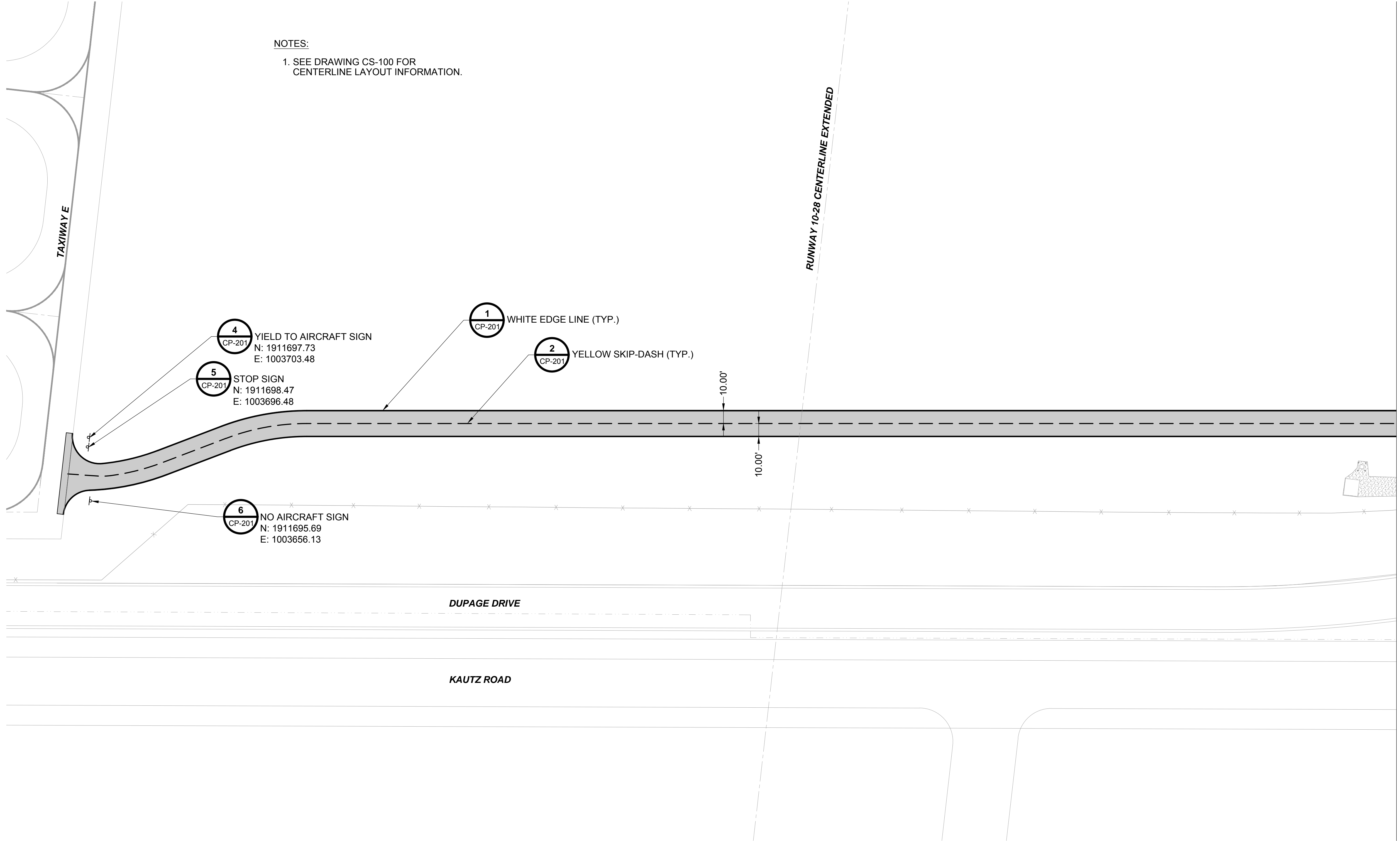
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 SEDIMENT CONTROL DETAILS

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drawing	CU-203	rev.	
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NOTES:
 1. SEE DRAWING CS-100 FOR CENTERLINE LAYOUT INFORMATION.



MATCHLINE: SEE SHEET CP-102



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date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B. QUINLAN

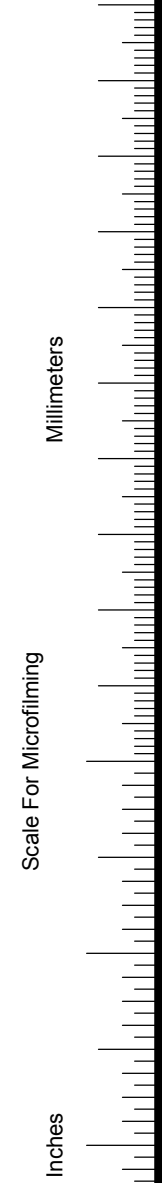


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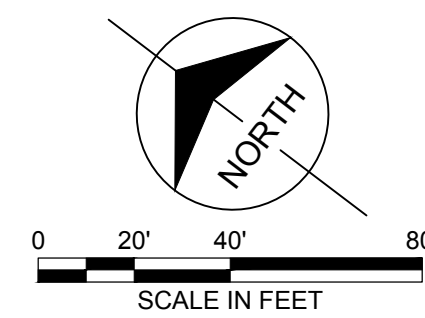
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PAVEMENT MARKING AND SIGNAGE PLAN

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file			



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no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

NOTES:
 1. SEE DRAWING CS-100 FOR CENTERLINE LAYOUT INFORMATION.

MATCHLINE: SEE SHEET CP-101

MATCHLINE: SEE SHEET CP-103

- 1 CP-201 WHITE EDGE LINE (TYP.)
- 2 CP-201 YELLOW SKIP-DASH (TYP.)

KAUTZ ROAD

DUPAGE DRIVE

Millimeters
 Scale For Microfilming
 Inches

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1431 OPUS PLACE, SUITE 400
 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN

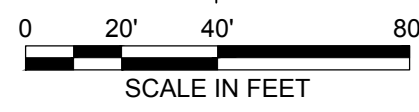
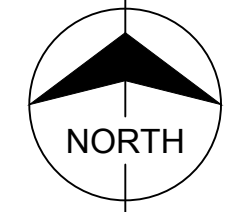


DuPage, Illinois

WEST END PERIMETER ROADWAY

PAVEMENT MARKING
 AND SIGNAGE PLAN

project	88849	contract	DPA-4300
drawing	rev.		
CP-102		-	
sheet	of	sheets	
file			



NOTES:
1. SEE DRAWING CS-100 FOR CENTERLINE LAYOUT INFORMATION.

TAXIWAY G

MAINTENANCE DRIVE

TAXIWAY L

1 STOP SIGN
CP-201
N: 1910197.98
E: 1004570.68

1 STOP SIGN
CP-201
N: 1910174.73
E: 1004590.88

1 WHITE EDGE LINE (TYP.)
CP-201

2 YELLOW SKIP-DASH (TYP.)
CP-201

NON-MOVEMENT AREA BOUNDARY (TYP.) 3
CP-201

NO AIRCRAFT SIGN
N: 1910089.70
E: 1005386.43 6
CP-201

STOP SIGN
N: 1910050.61
E: 1005403.63 5
CP-201

YIELD TO AIRCRAFT SIGN
N: 1910043.78
E: 1005402.95 4
CP-201

73.00'

Millimeters

Scale For Microfilming

Inches

MATCHLINE: SEE SHEET CP-102

no.	date	by	ckd	description
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LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN



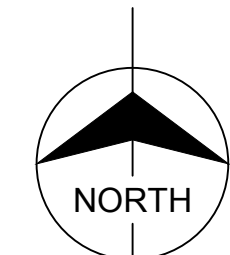
DuPage, Illinois

WEST END PERIMETER ROADWAY

PAVEMENT MARKING AND SIGNAGE PLAN

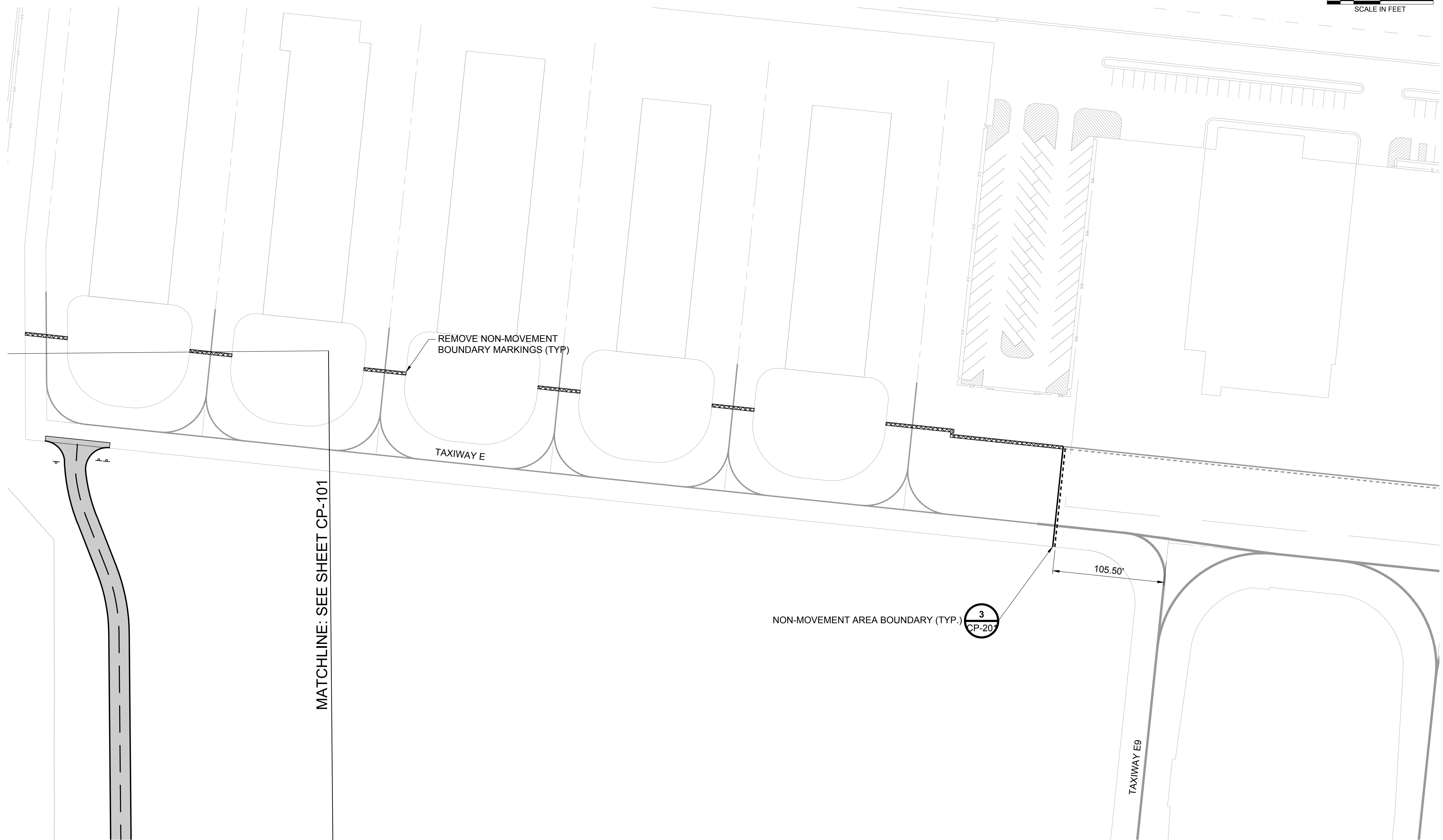
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drawing	CP-103	rev.	
sheet	of	sheets	
file			

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID



0 50' 100'
SCALE IN FEET

Scale For Microfilming
Millimeters
Inches



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LICENSEE NO. 184-001310

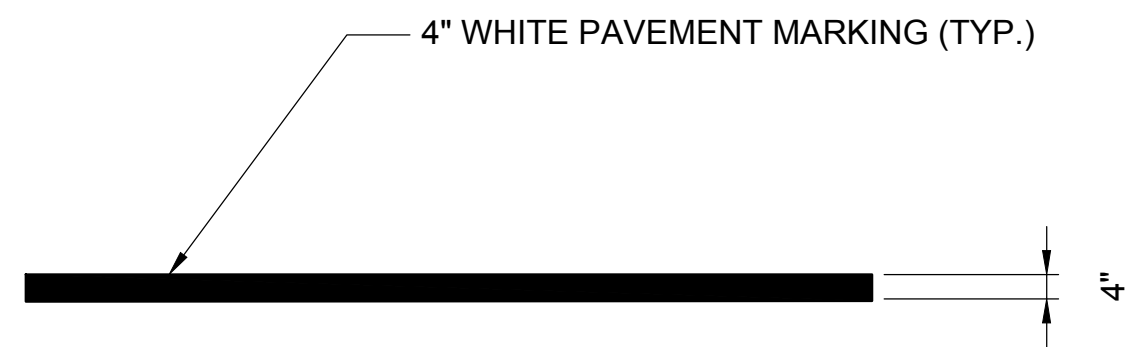
date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B. QUINLAN

**DUPAGE AIRPORT
AUTHORITY**
DuPage, Illinois

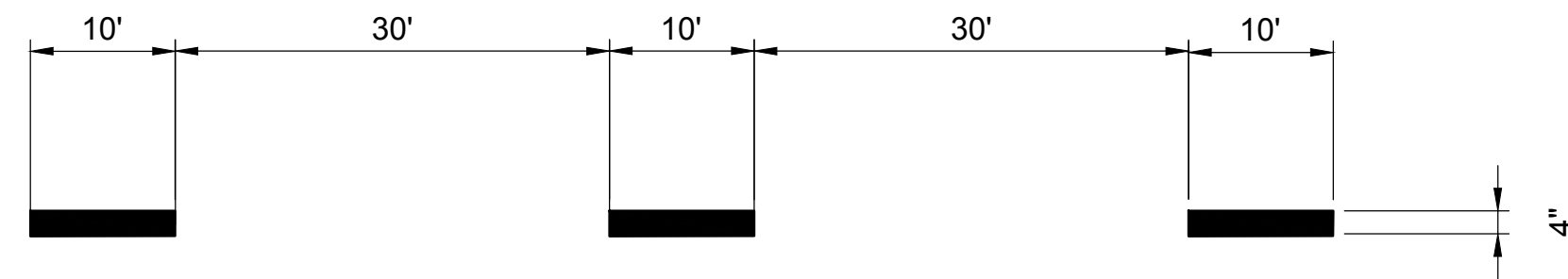
WEST END PERIMETER ROADWAY	
NON-MOVEMENT BOUNDARY MARKING PLAN	
project	contract
88849	DPA-4300
drawing	rev.
CP-104	—
sheet	of sheets
file	

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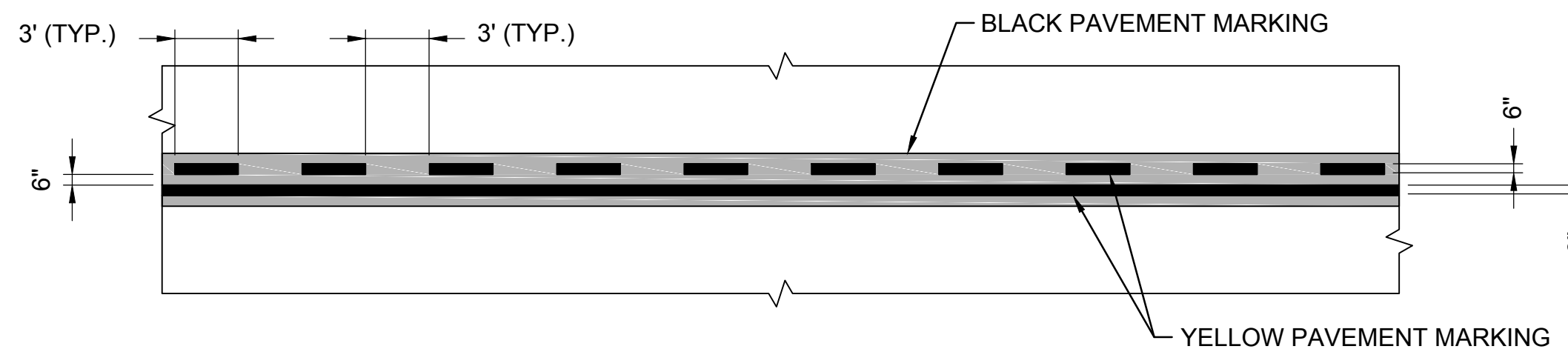
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B	04/15/16	AB	BQ	ISSUED FOR BID



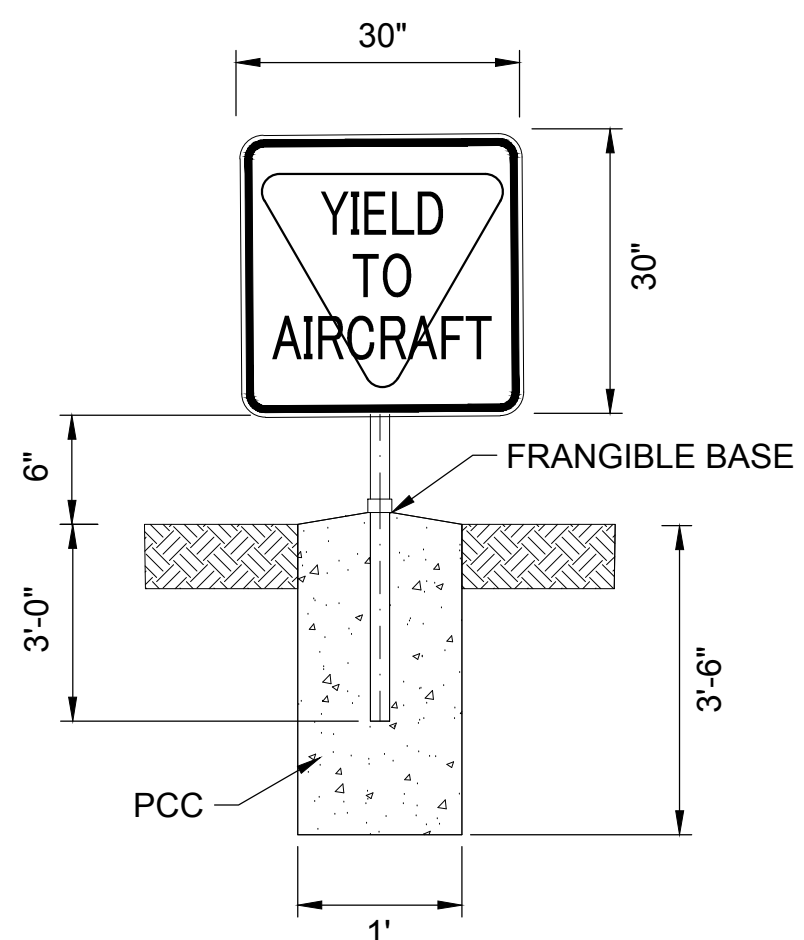
WHITE EDGE LINE
NOT TO SCALE



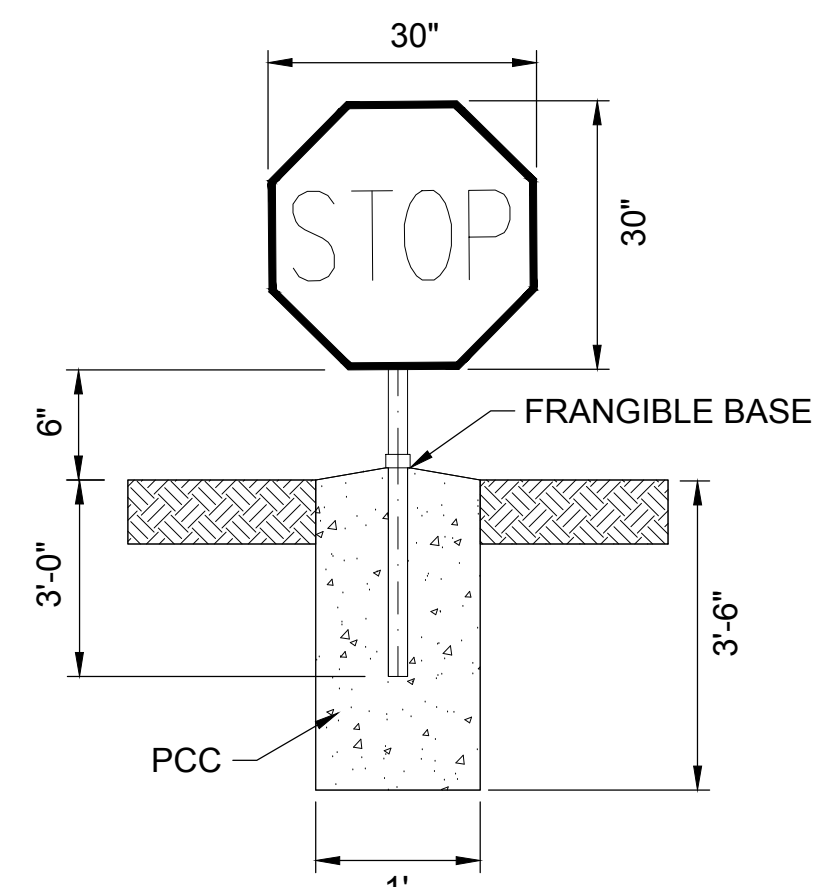
YELLOW SKIP-DASH
NOT TO SCALE



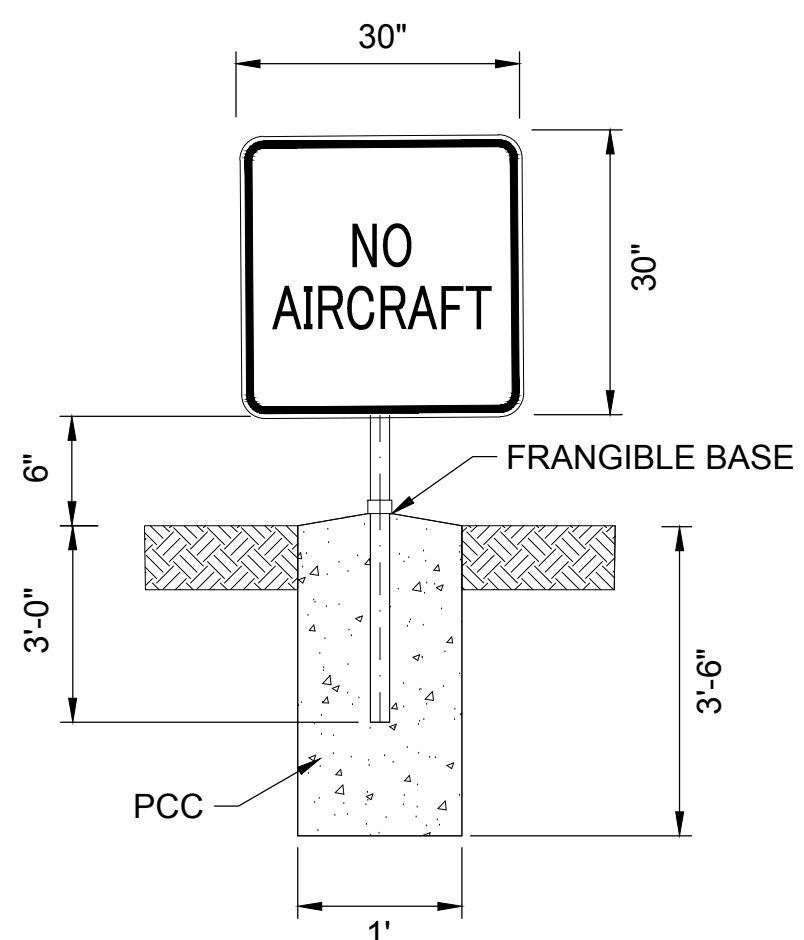
NON-MOVEMENT AREA BOUNDARY
NOT TO SCALE



YIELD TO AIRCRAFT SIGN
NOT TO SCALE



STOP SIGN
NOT TO SCALE



NO AIRCRAFT SIGN
NOT TO SCALE

NOTES:
1. SEE SPECIAL PROVISION 910 FOR ADDITIONAL REQUIREMENTS.

Scale For Microfilming
Millimeters

Inches

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630-724-3200
LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN

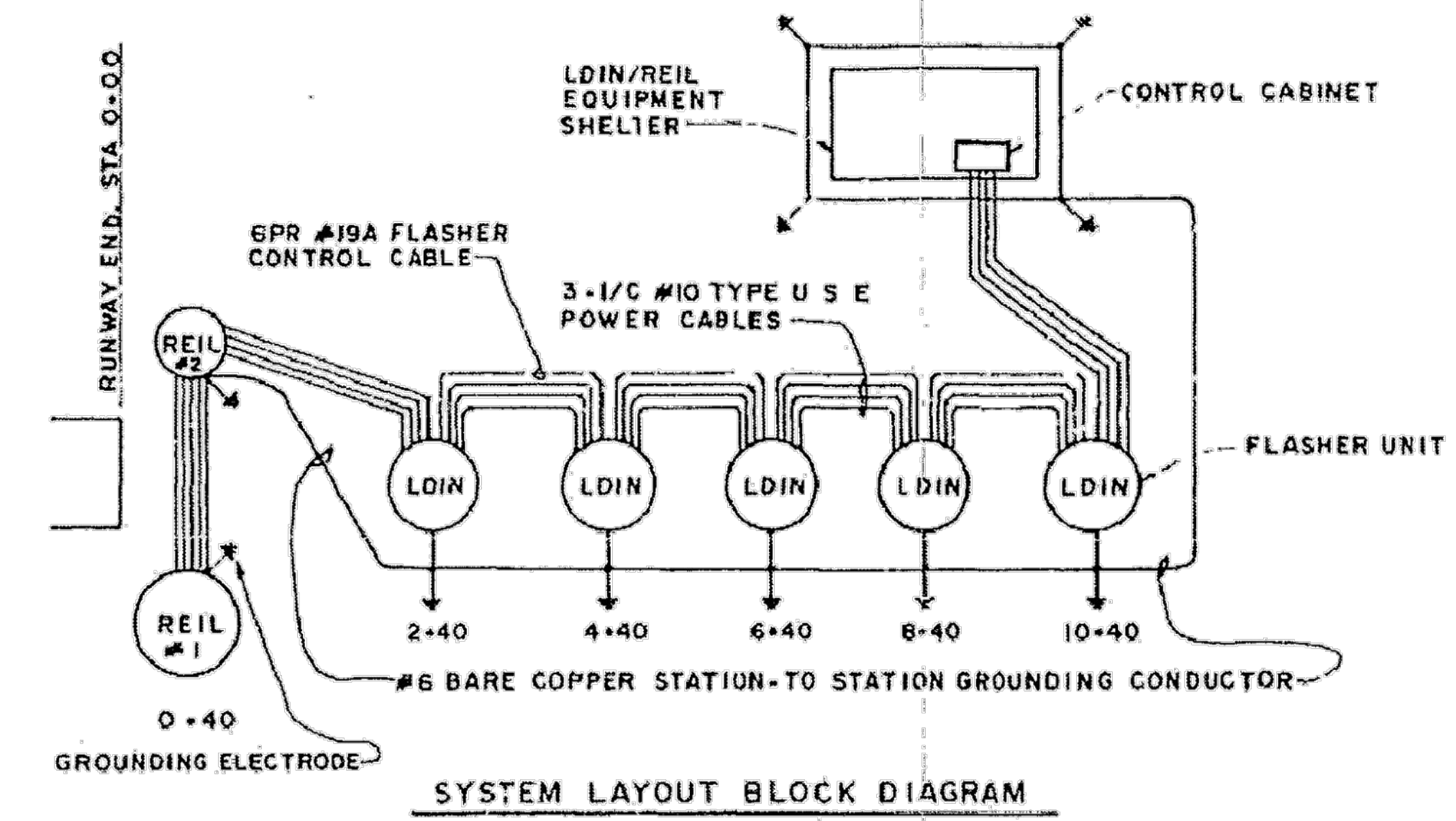
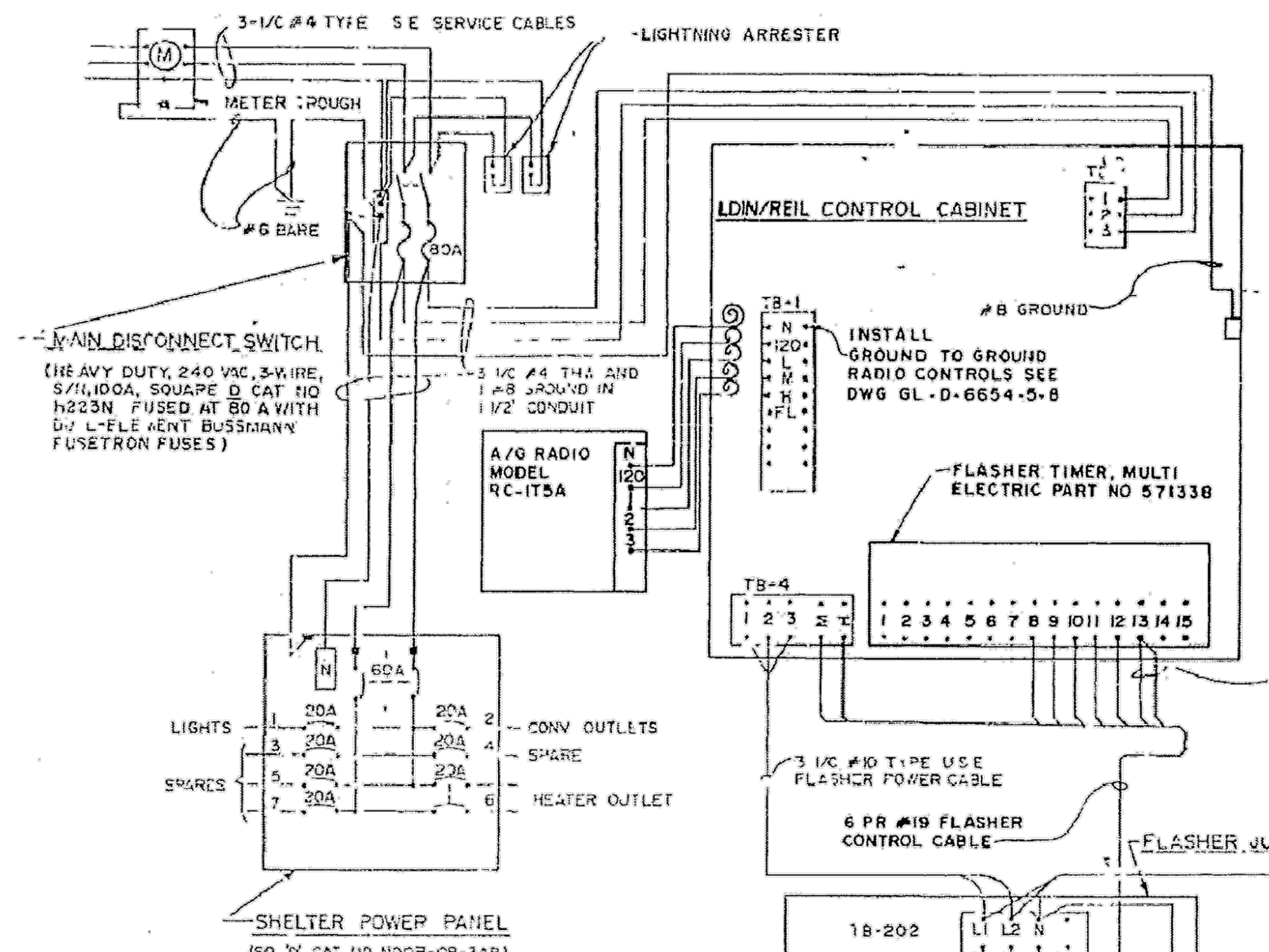


DUPAGE AIRPORT AUTHORITY
DuPage, Illinois

WEST END PERIMETER ROADWAY
PAVEMENT MARKING DETAILS

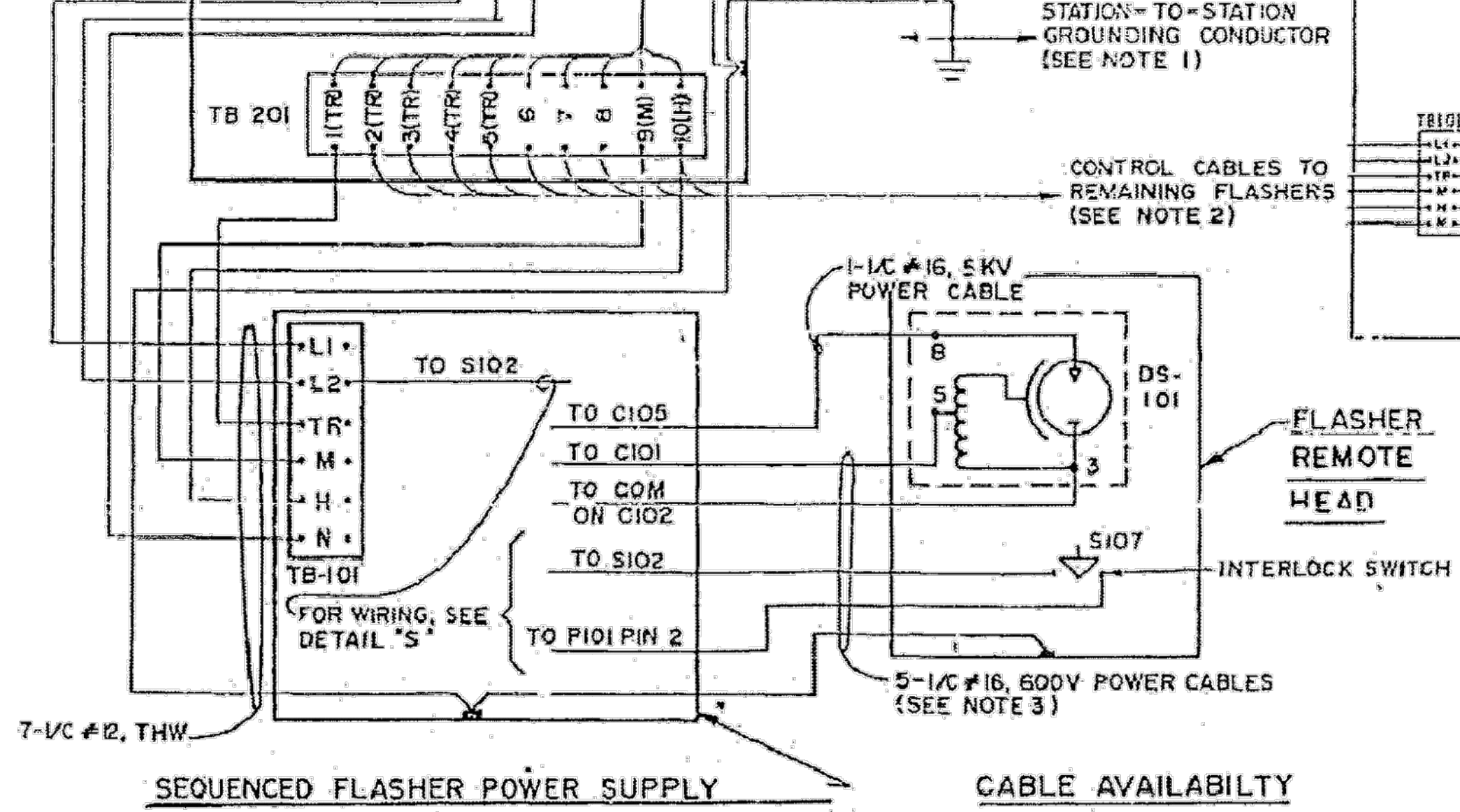
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drawing	CP-201	rev.	-
sheet	of	sheets	
file			

no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

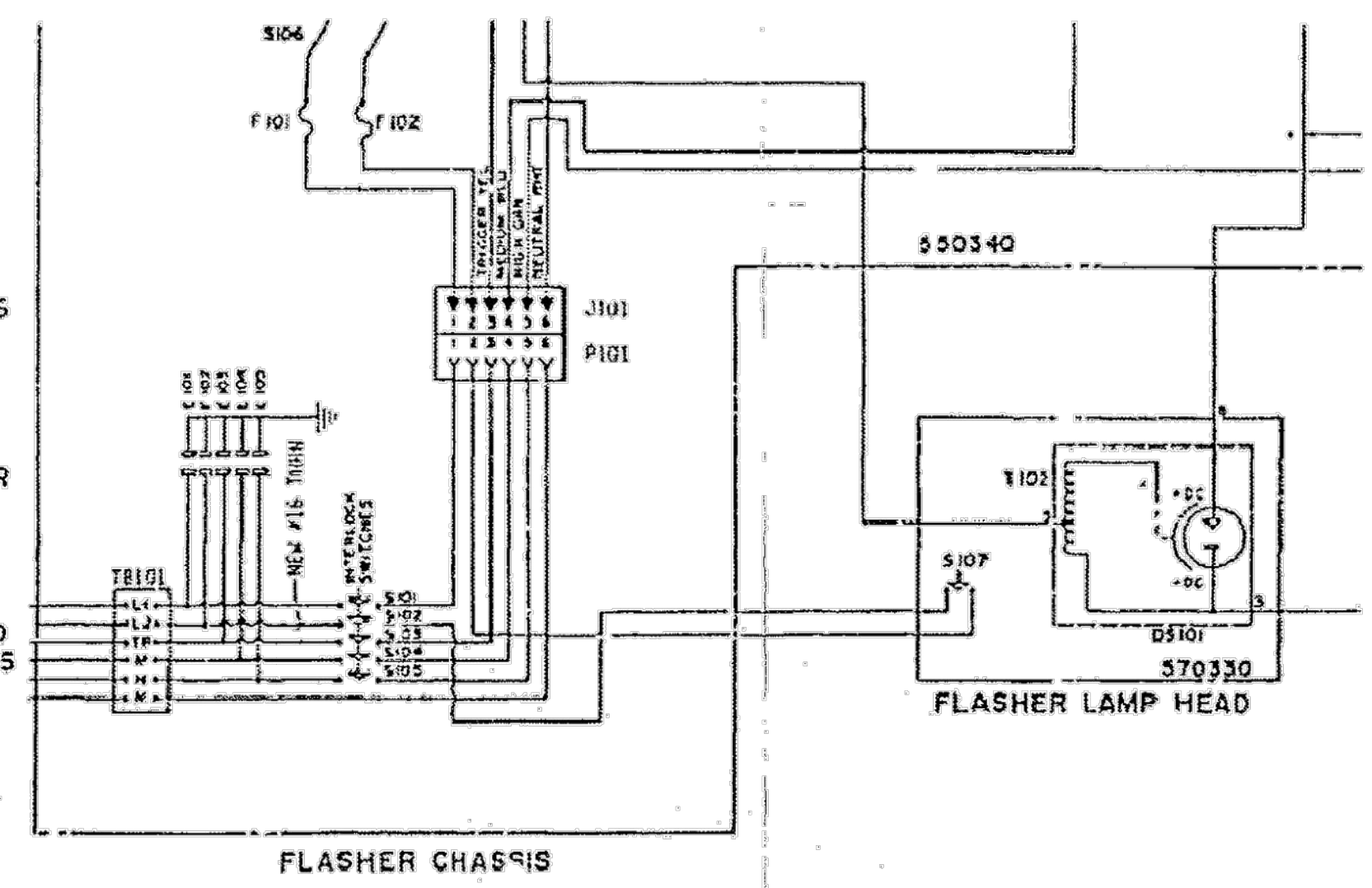


- NOTES: THE CONTRACTOR HAS CONSTRUCTED THE LDIN/REIL SUCH THAT---
- 1 THE GROUND CONDUCTOR IS ABOVE, AND IN SAME TRENCH AS, THE POWER CABLES RUNNING FROM STATION TO STATION
 - 2 FOR A TRIGGER (TR) CIRCUIT, ONLY ONE CONDUCTOR OF A CONTROL CABLE PAIR IS USED AT THE CONTROL CABINET, ALL UNUSED CONDUCTORS OF THE CONTROL CABLE ARE GROUNDED ELSEWHERE, ALL CONDUCTORS WHICH ARE NOT USED ARE TURNED BACK AND INSULATED
 - 3 COOV POWER CABLES BETWEEN FLASHER POWER SUPPLY AND FLASHER REMOTE HEAD ARE SILICONE OR TEFLON INSULATED FOR 175°C MINIMUM SERVICE, AND HAVE STRANDED CONDUCTORS (TYPES SFF 2, PFF OR SIMILAR)

FOR INFORMATION ONLY



CABLE AVAILABILITY
1/2" #16, 5KV POWER CABLE IS AVAILABLE FROM MULTI ELECTRIC MFG, INC 4223 WEST LAKE STREET, CHICAGO, IL 60624 TEL (312) 722-1900



THIS DRAWING PERTAINS TO MULTI ELECTRIC LDIN/REIL EQUIPMENT

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DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184-001310

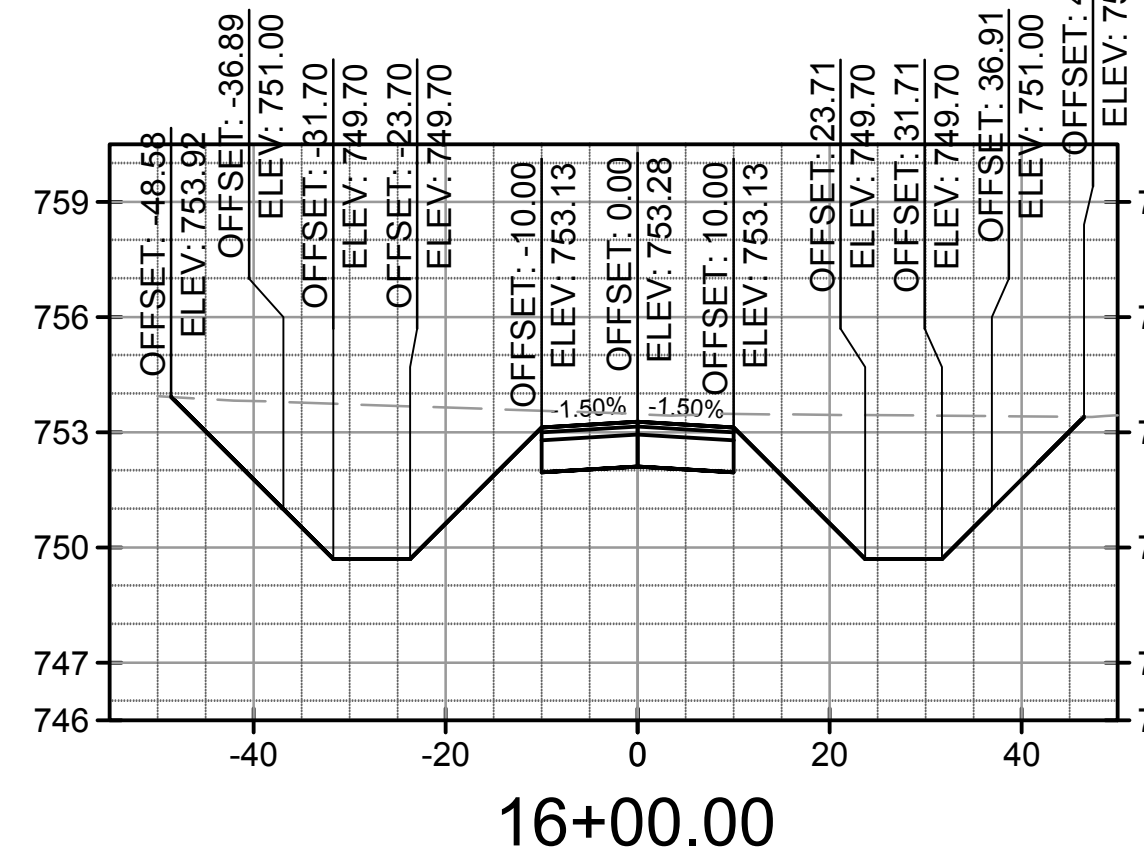
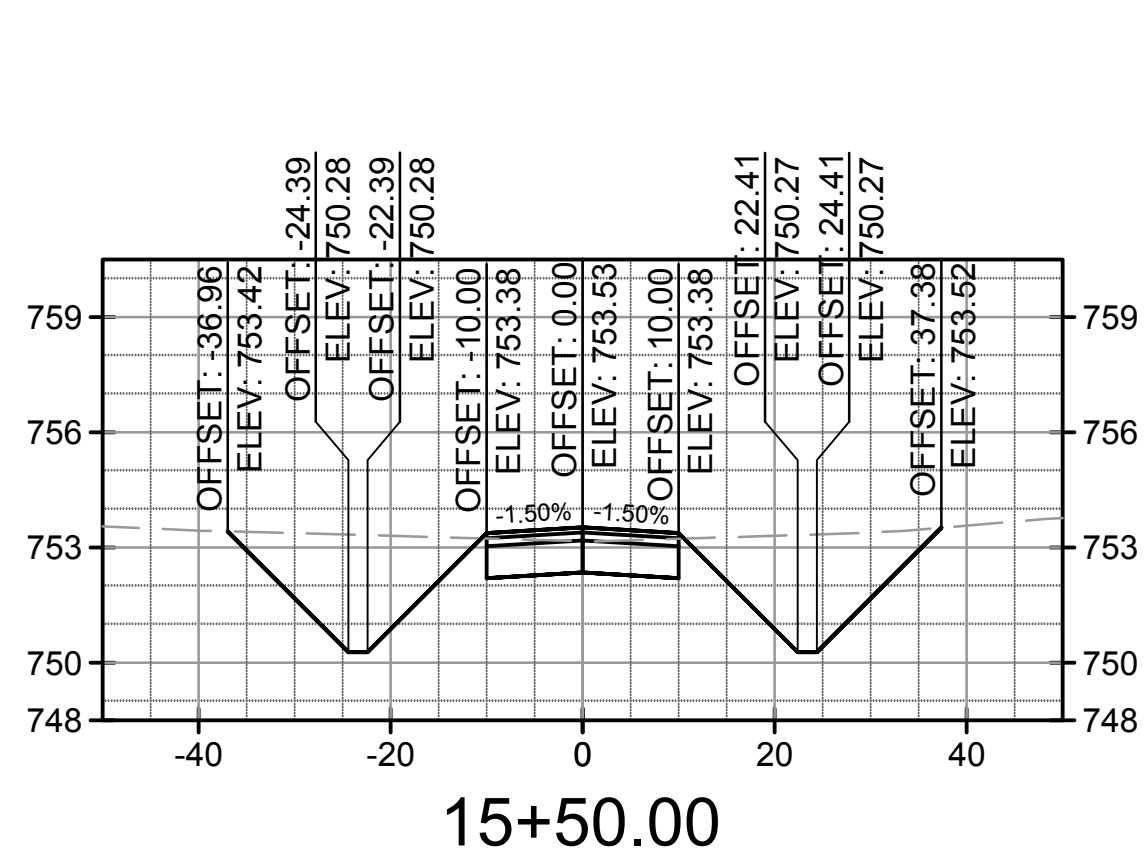
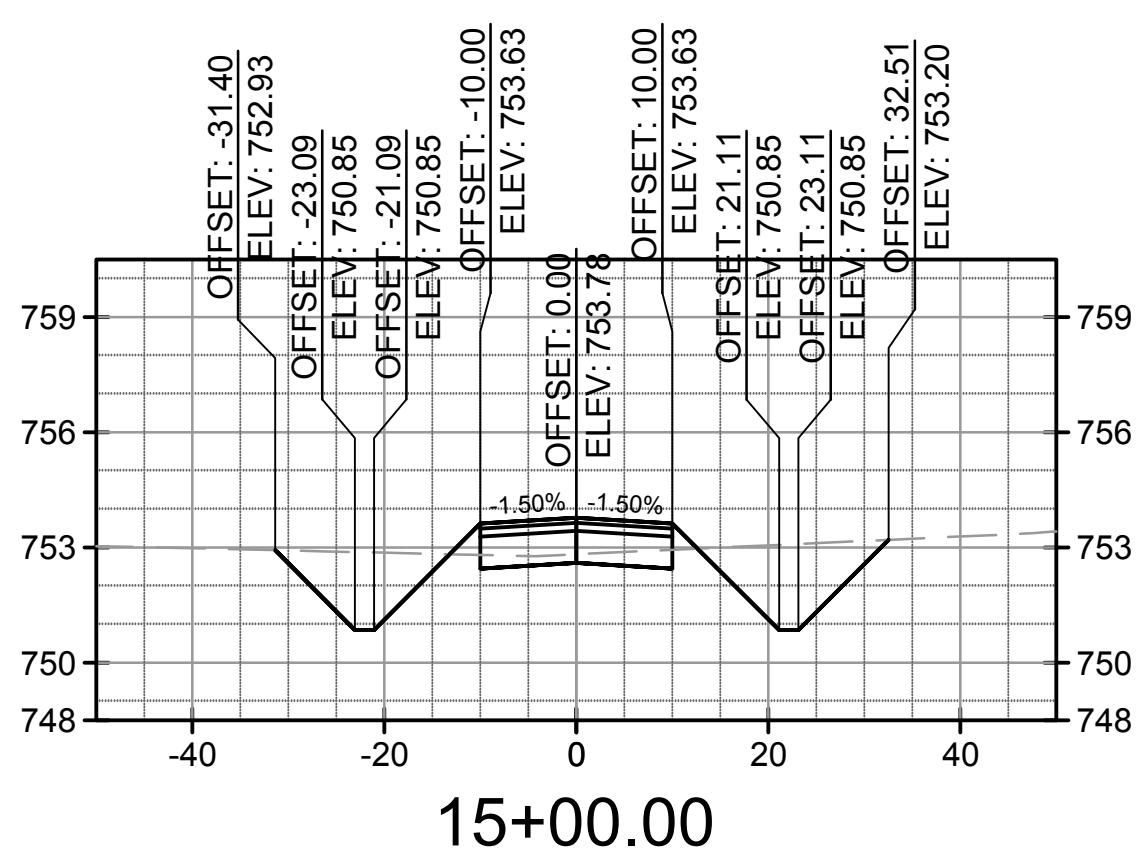
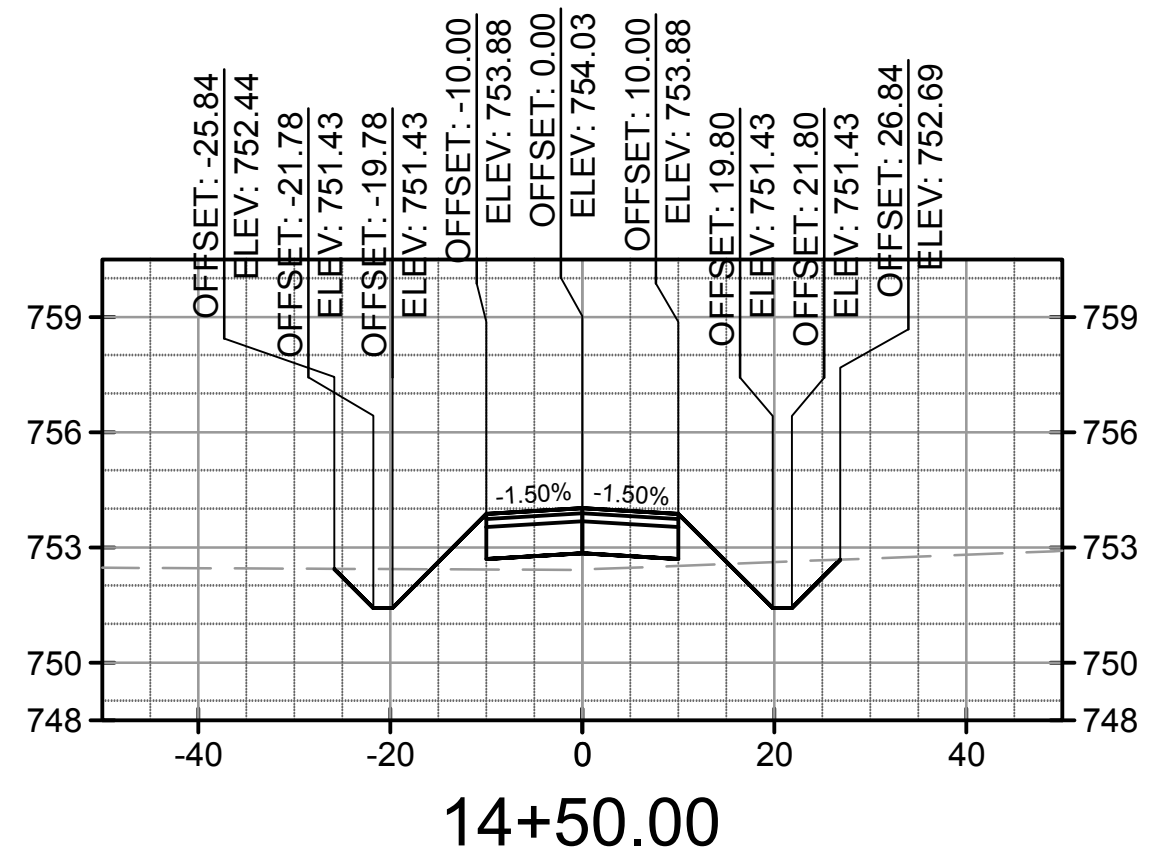
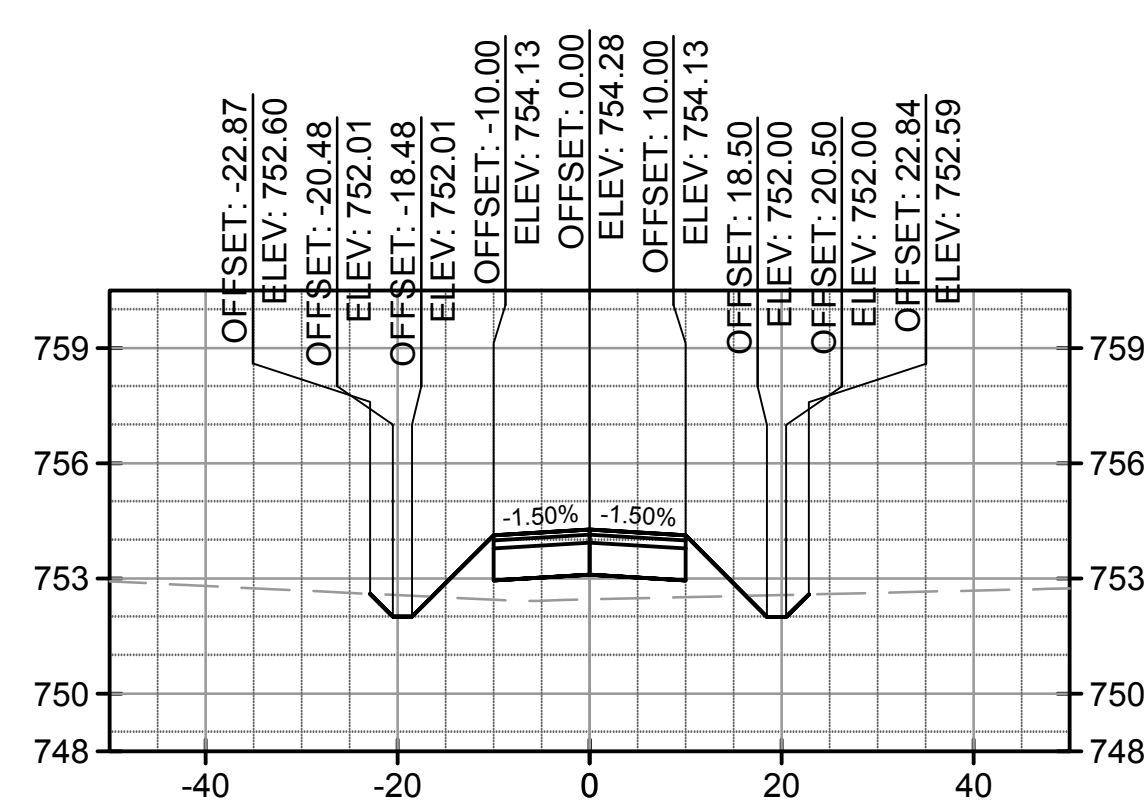
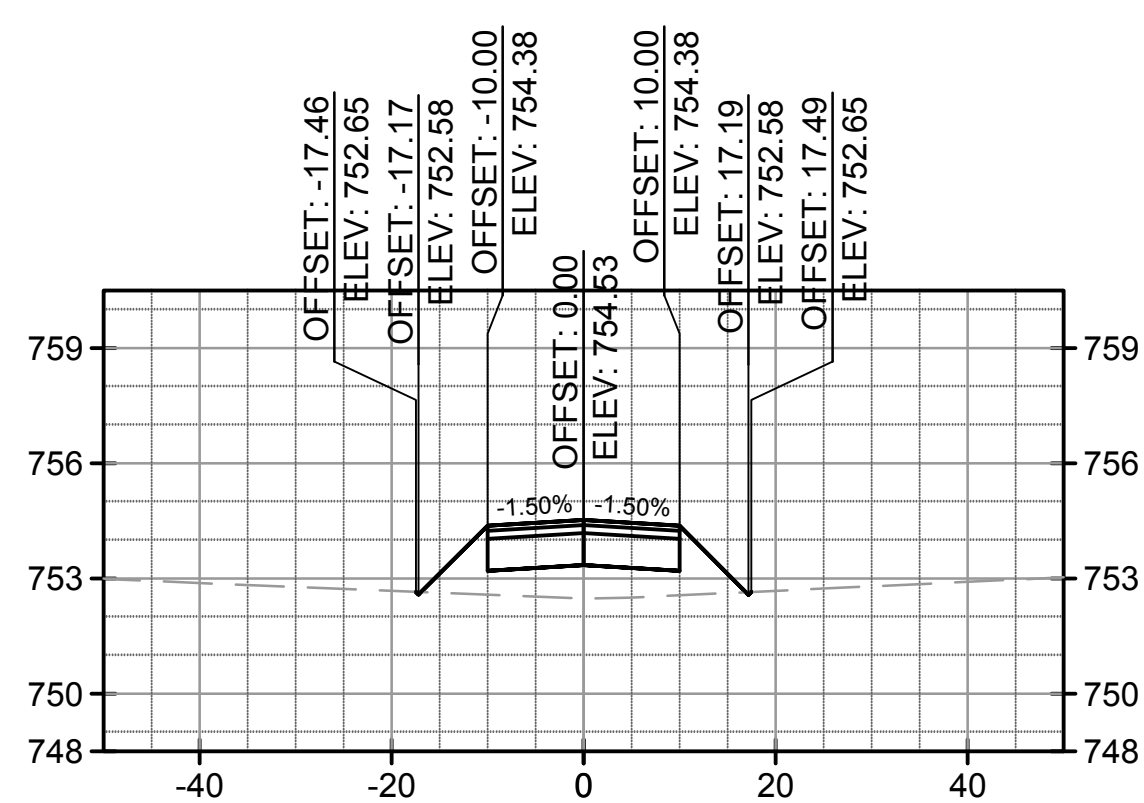
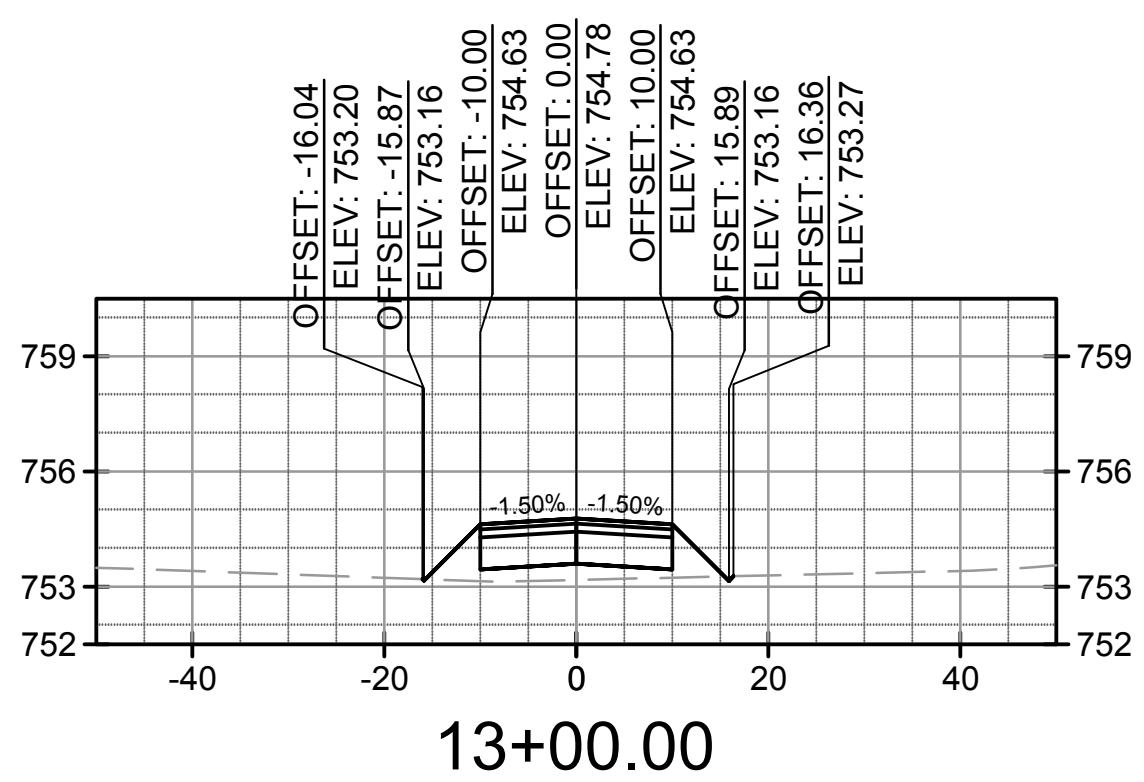
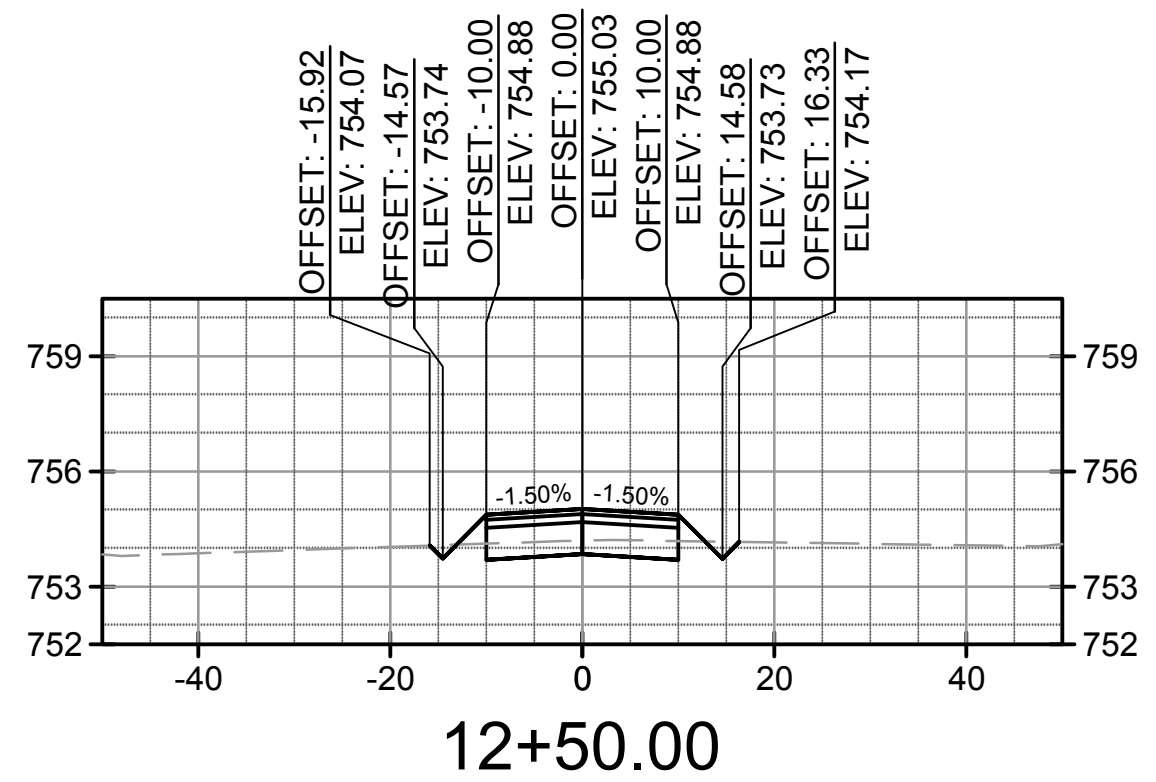
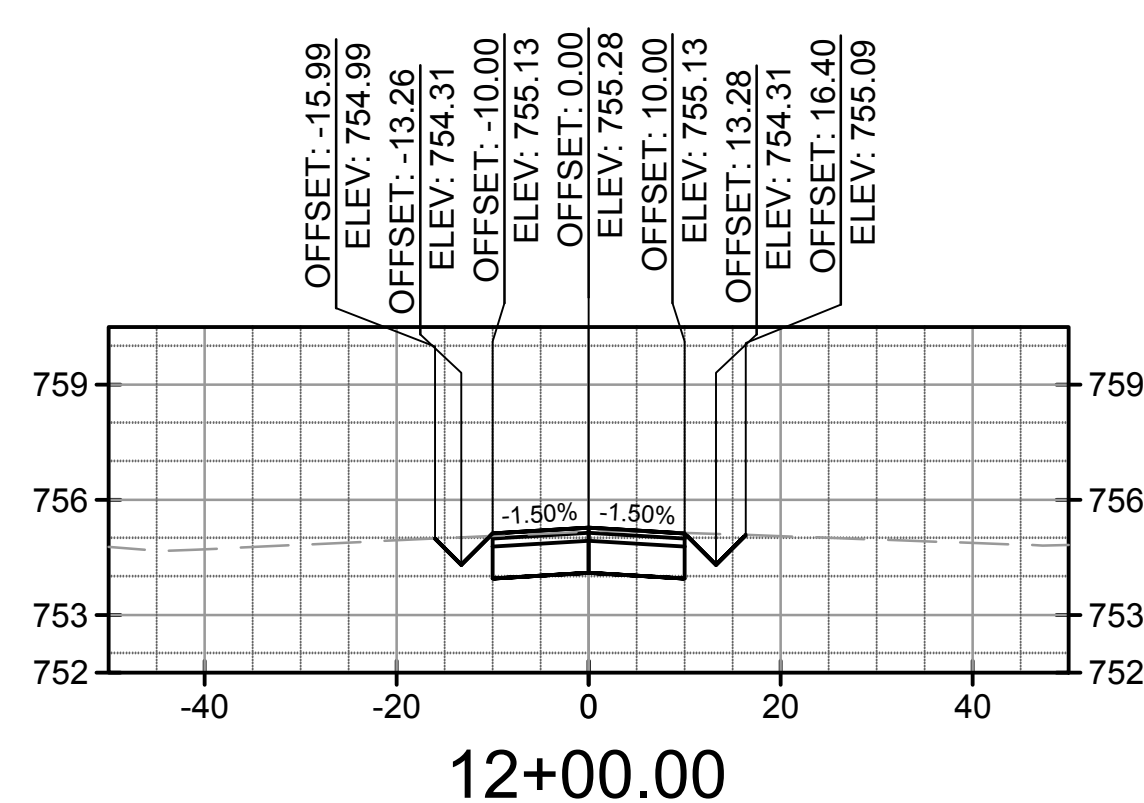
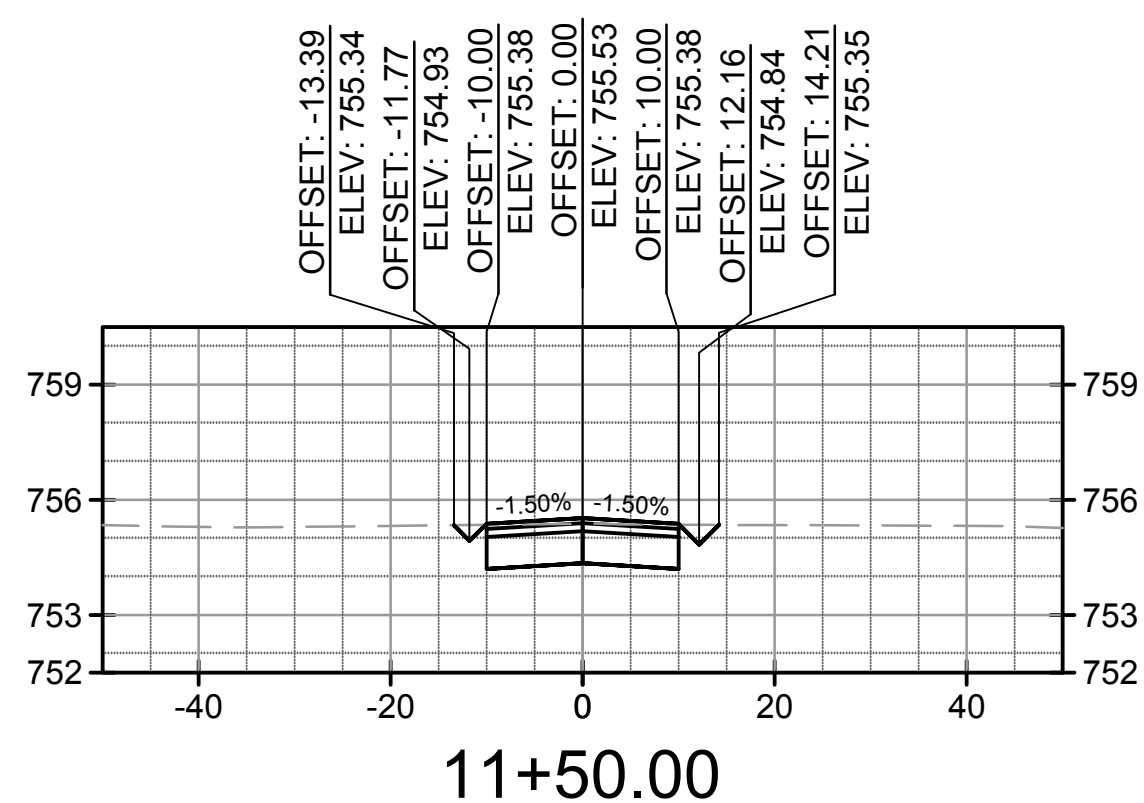
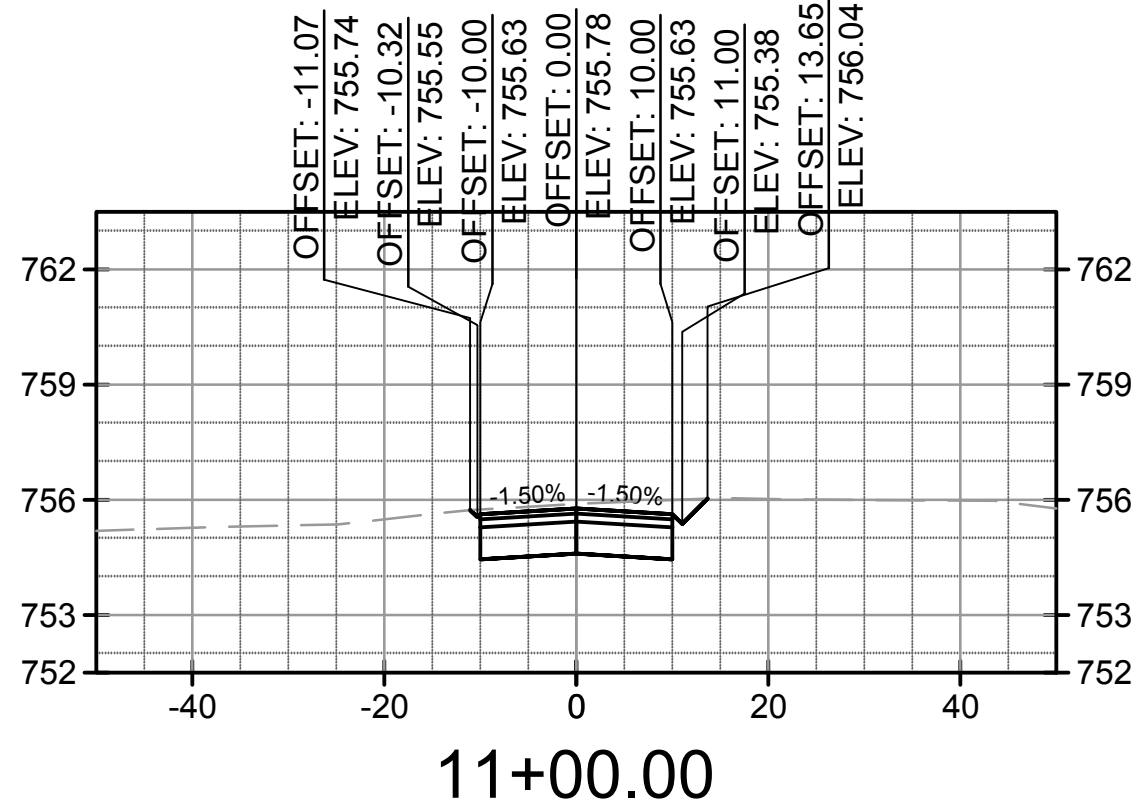
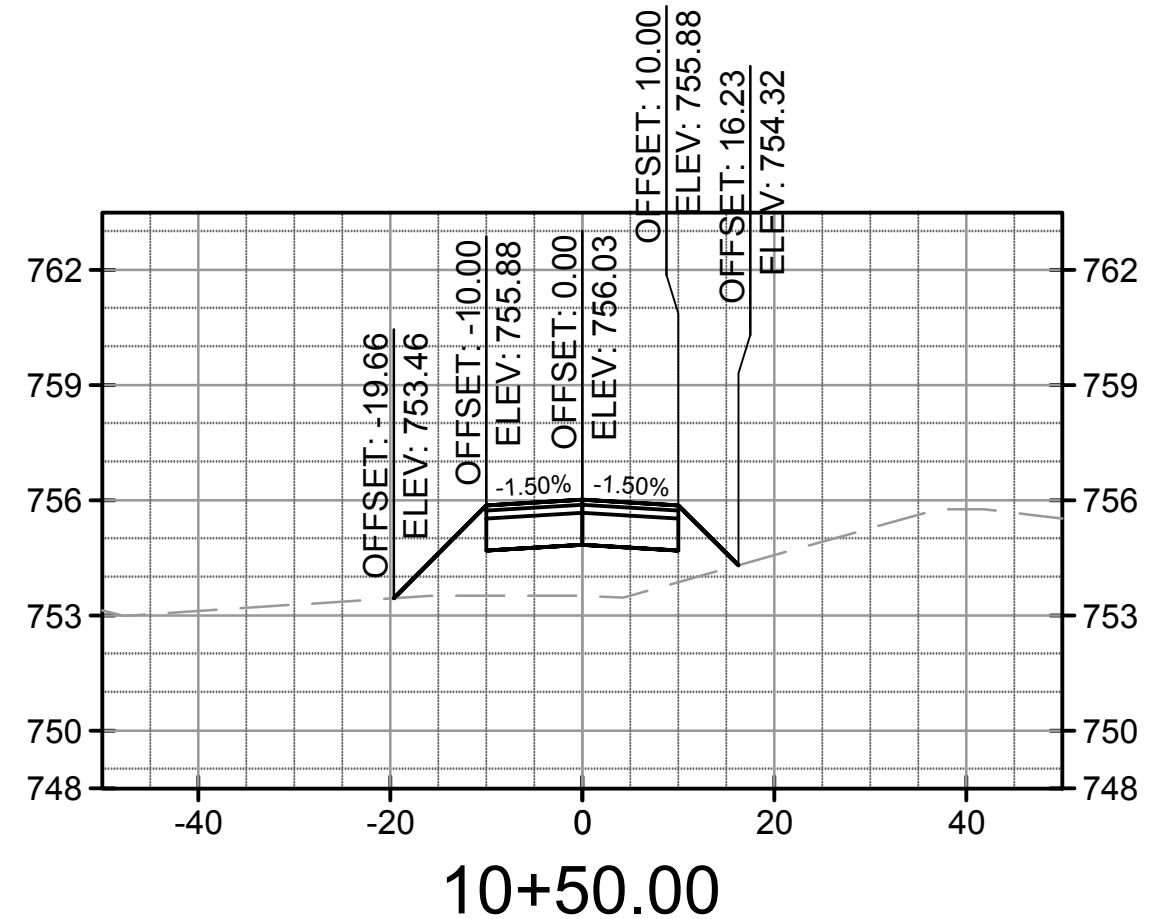
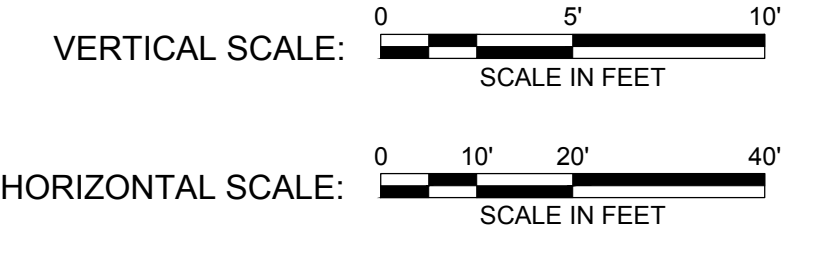
date	JANUARY 25, 2016	detailed	A.BUDNIK
designed	A.BUDNIK	checked	B.QUINLAN

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DuPage, Illinois

WEST END PERIMETER ROADWAY
FAA LDIN WIRING DIAGRAM

project	88849	contract	DP4-4300
drawing	RF-100	rev.	
sheet	of	sheets	
file			

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no.	date	by	ckd	description
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B	04/15/16	AB	BQ	ISSUED FOR BID

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1431 OPUS PLACE, SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184-001310

date	designed	detailed
JANUARY 25, 2016	J. YAHYA	A. BUDNIK
checked	B. QUINLAN	

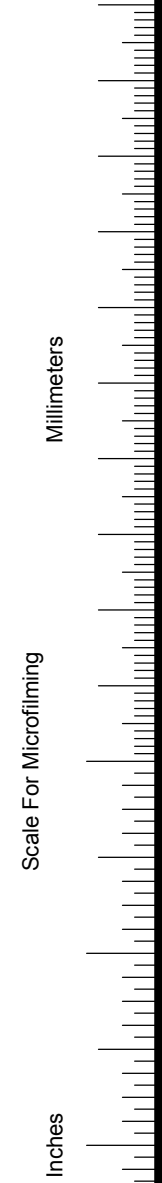
DUPAGE AIRPORT AUTHORITY

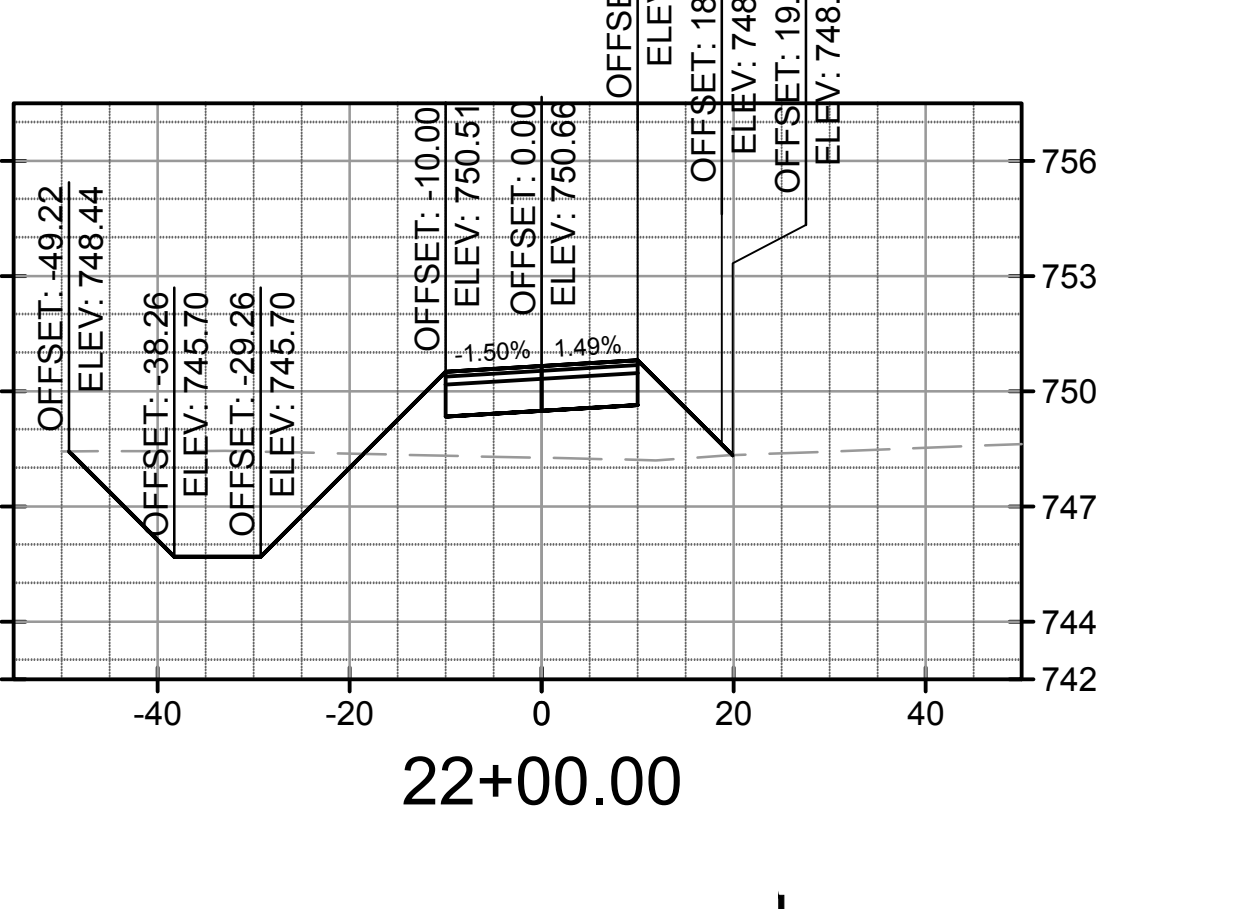
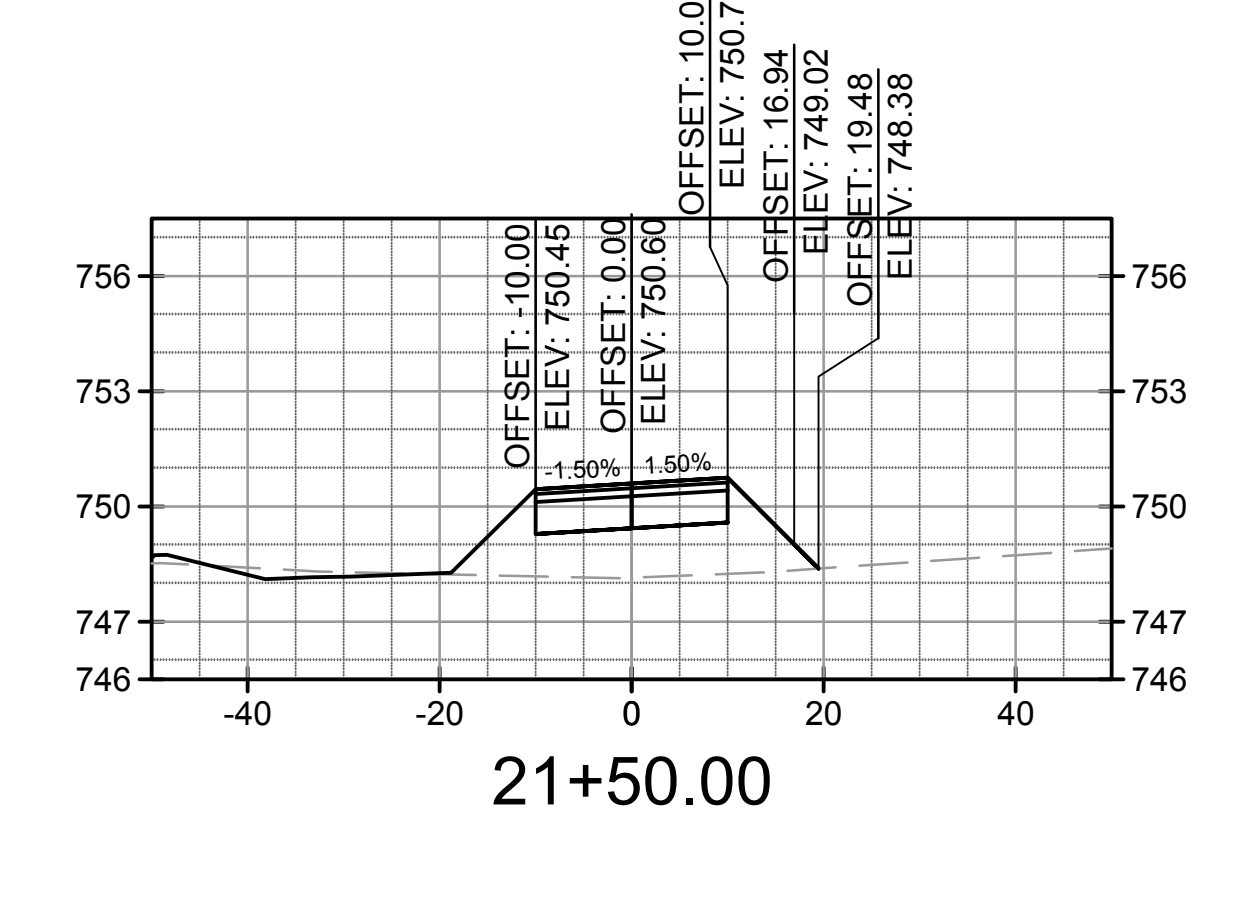
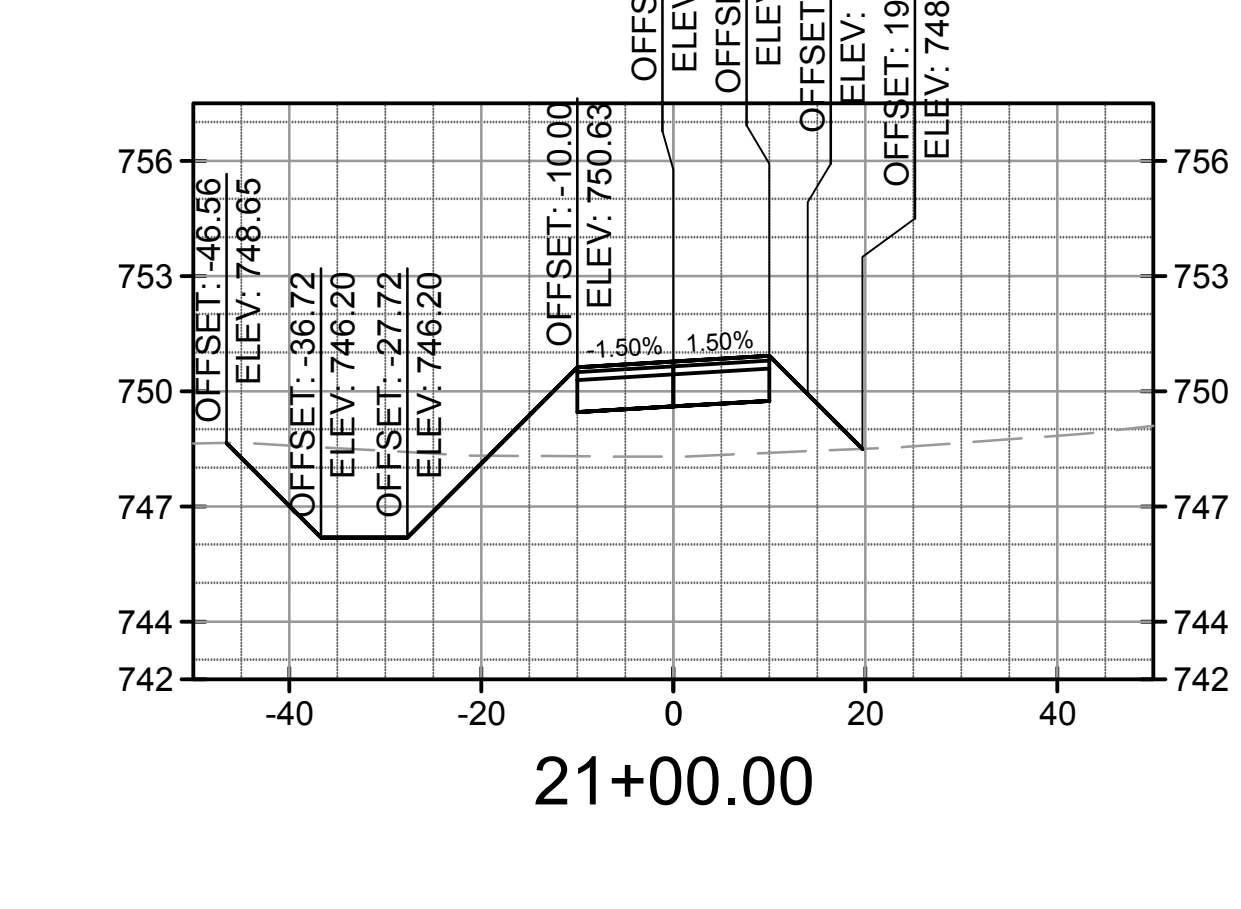
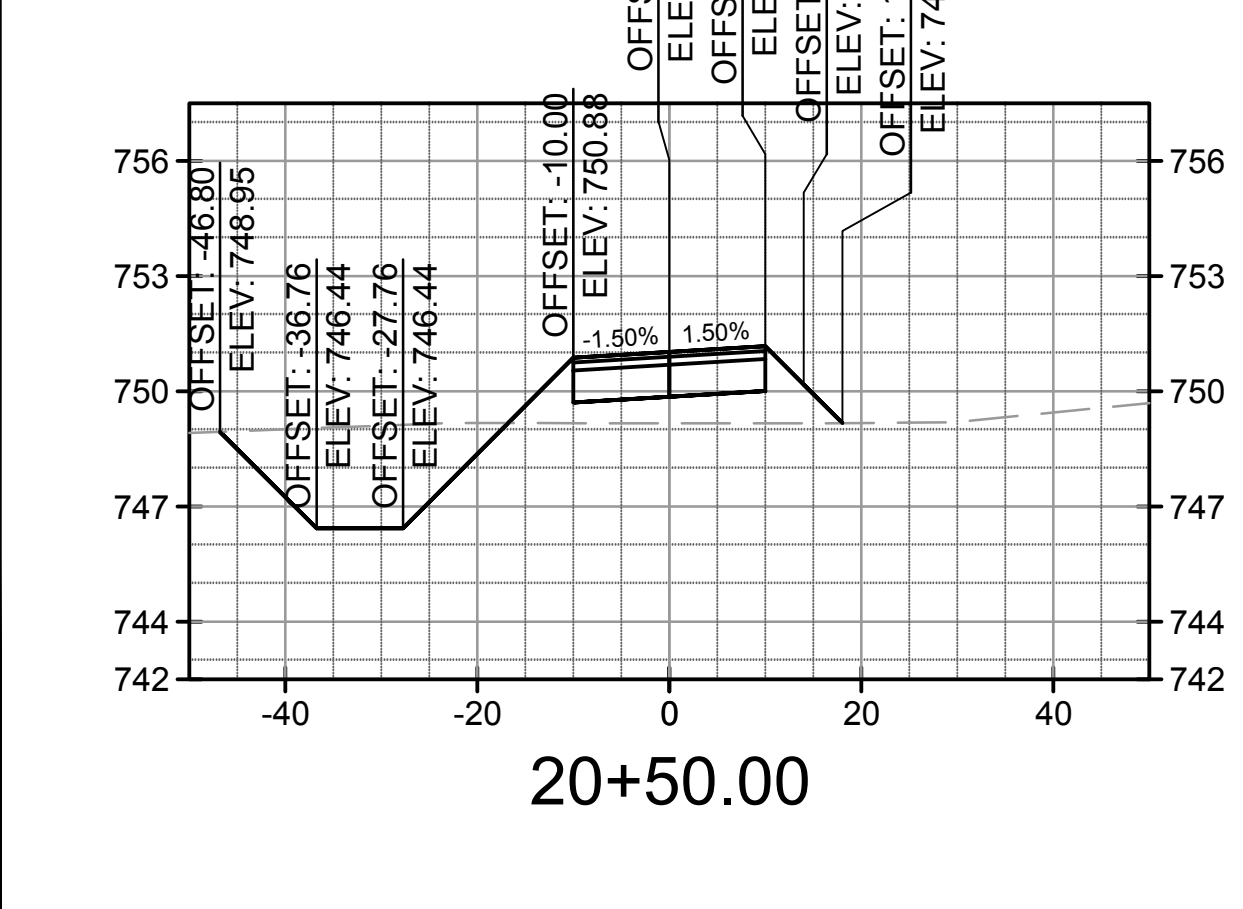
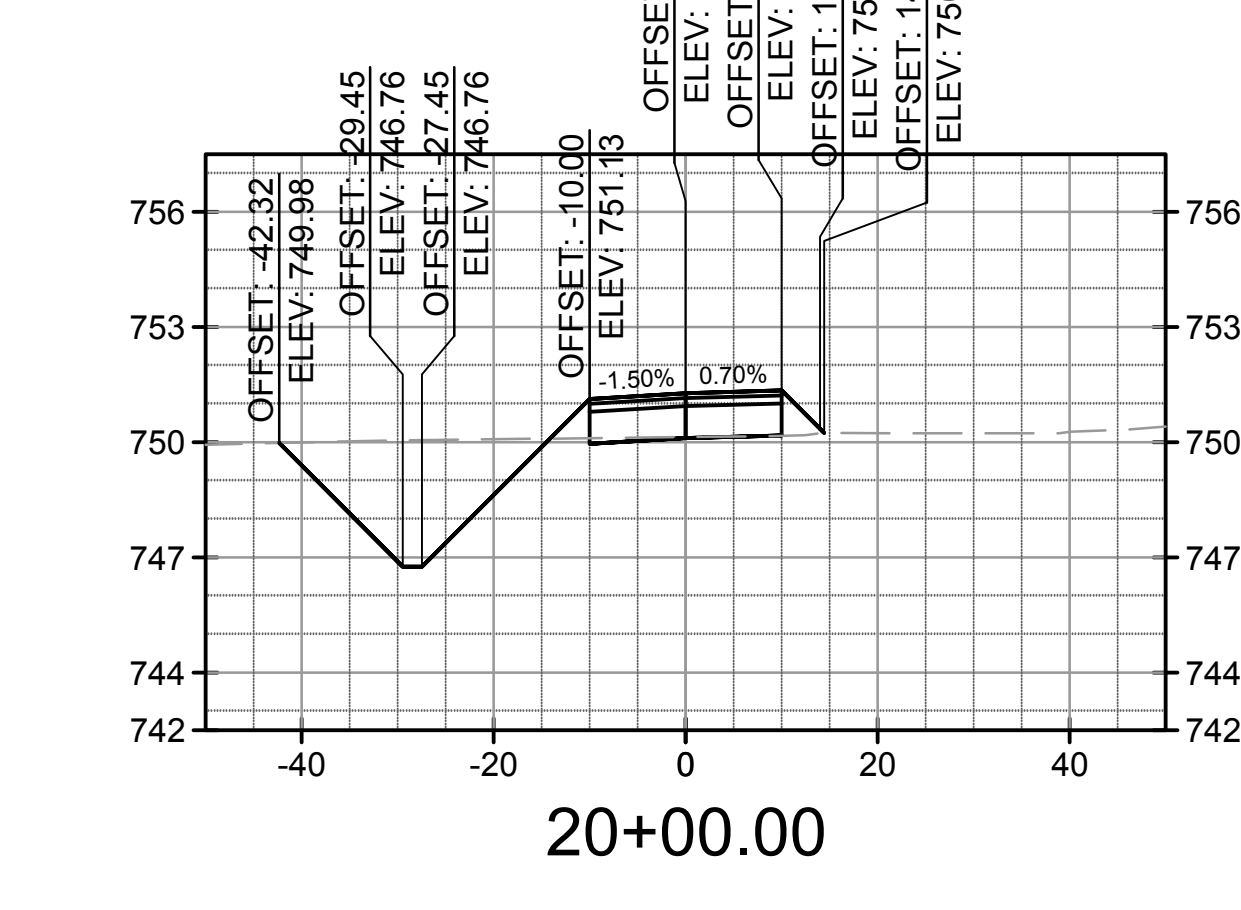
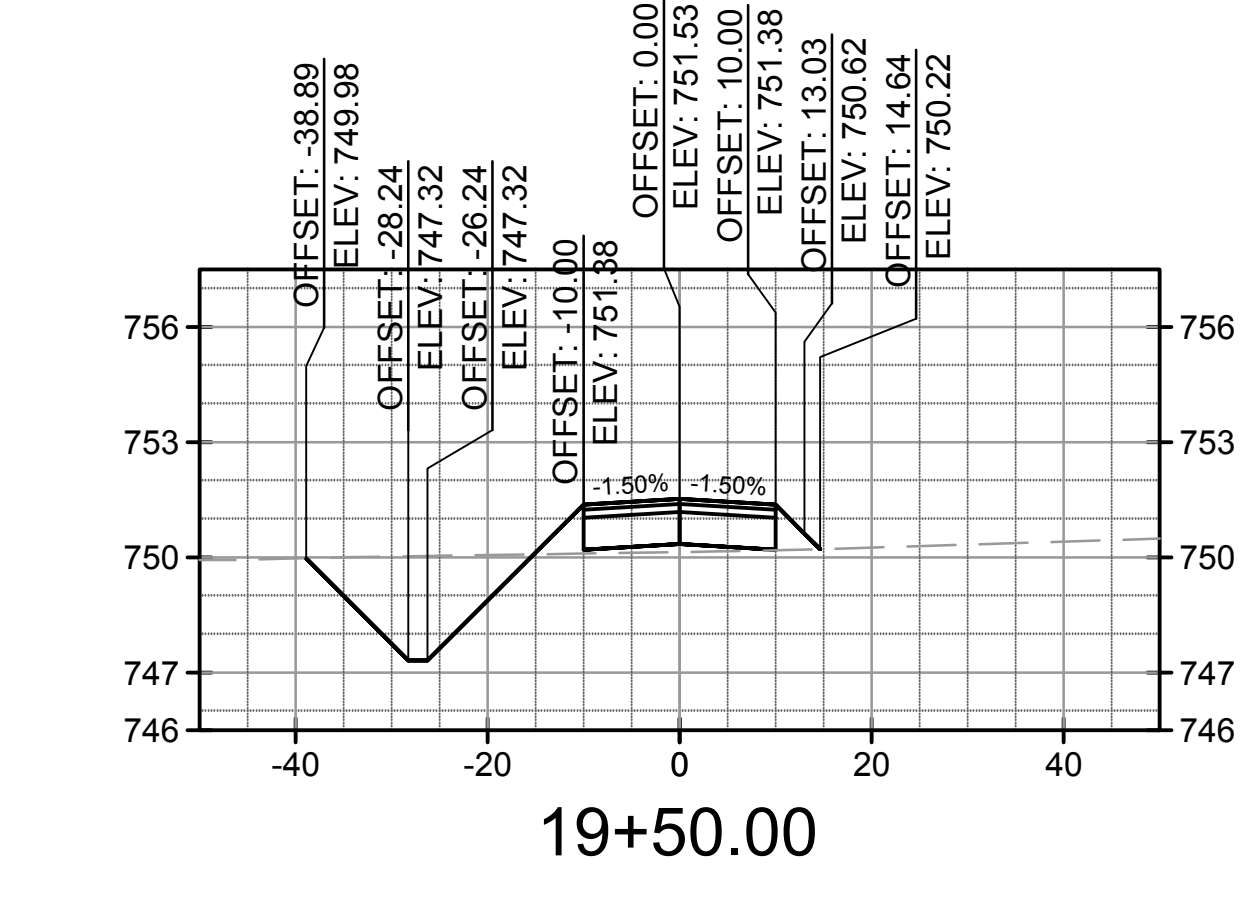
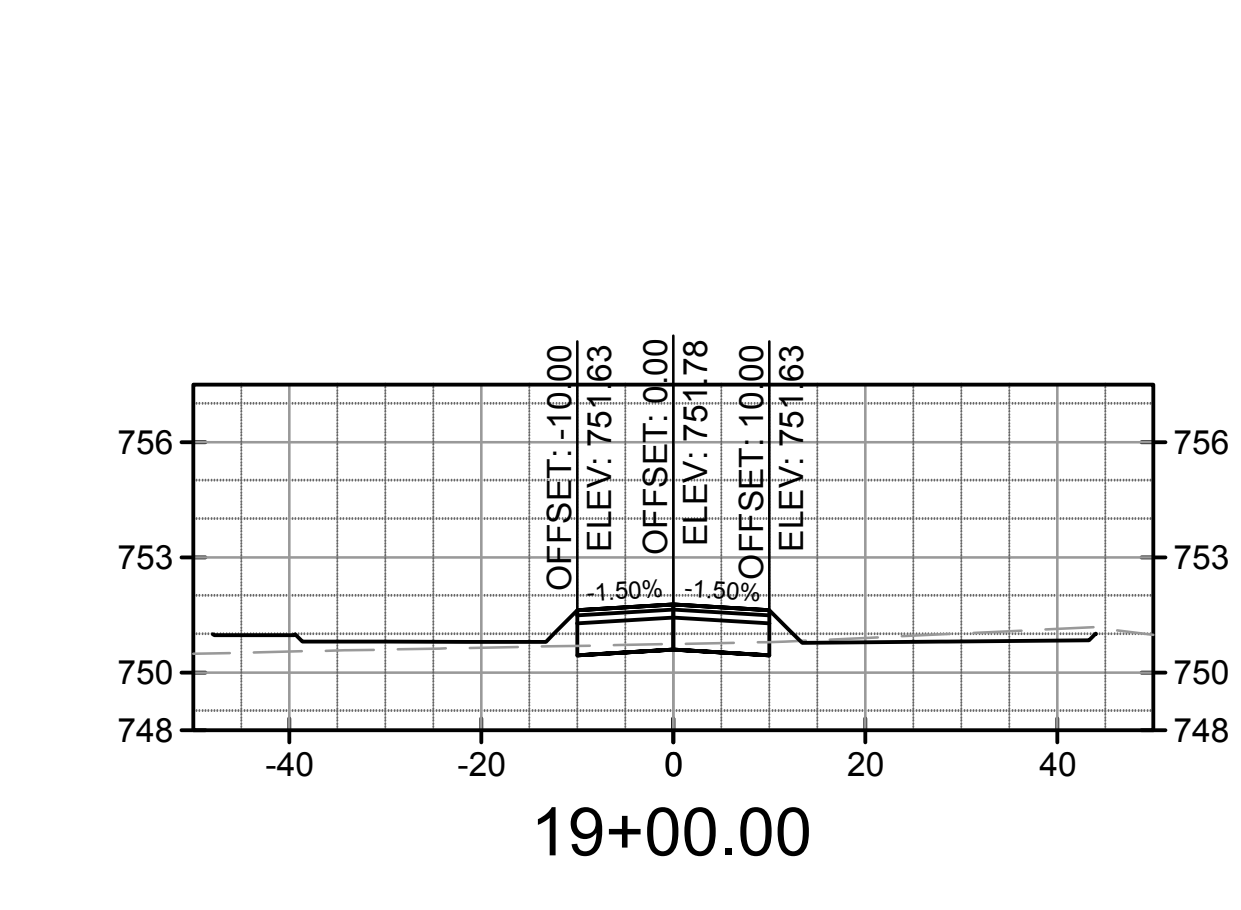
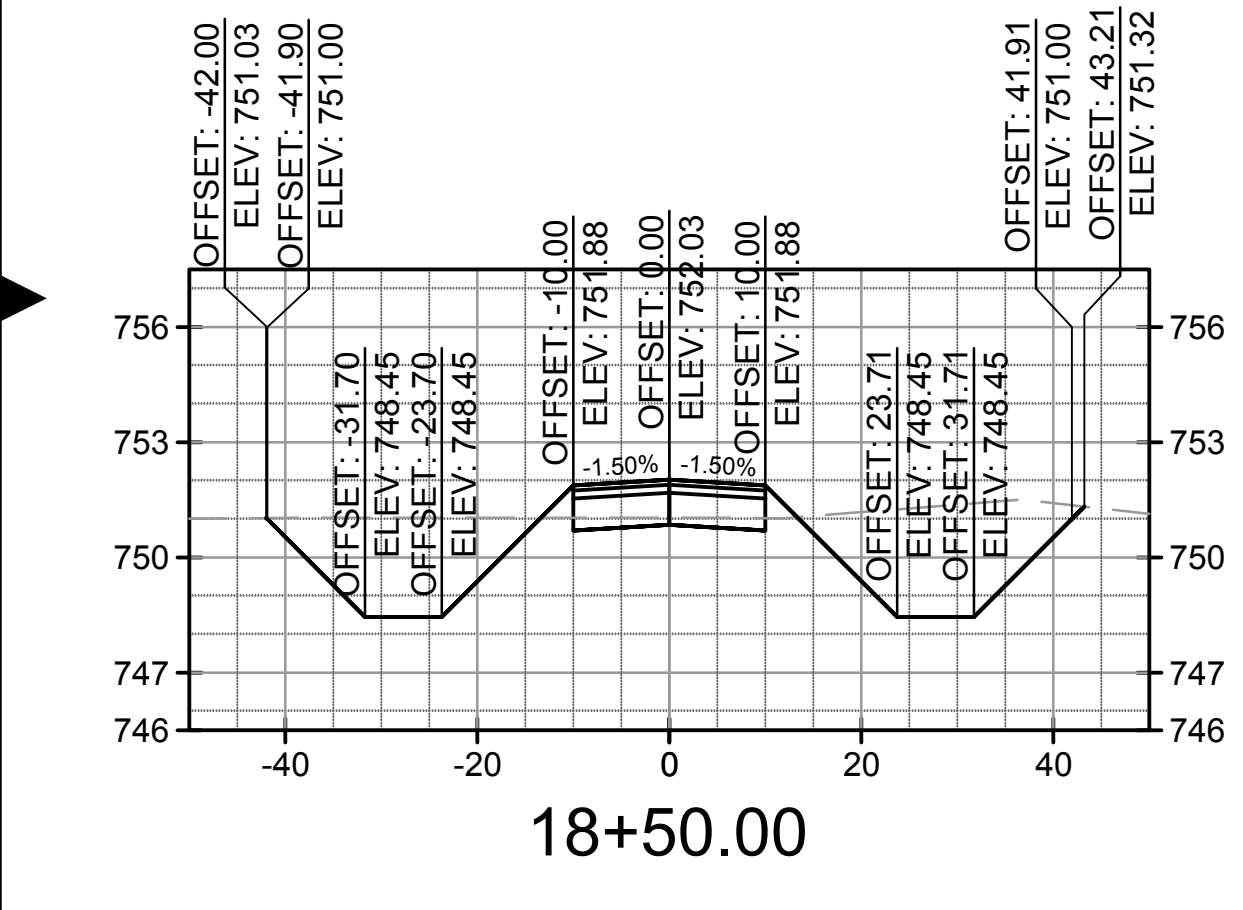
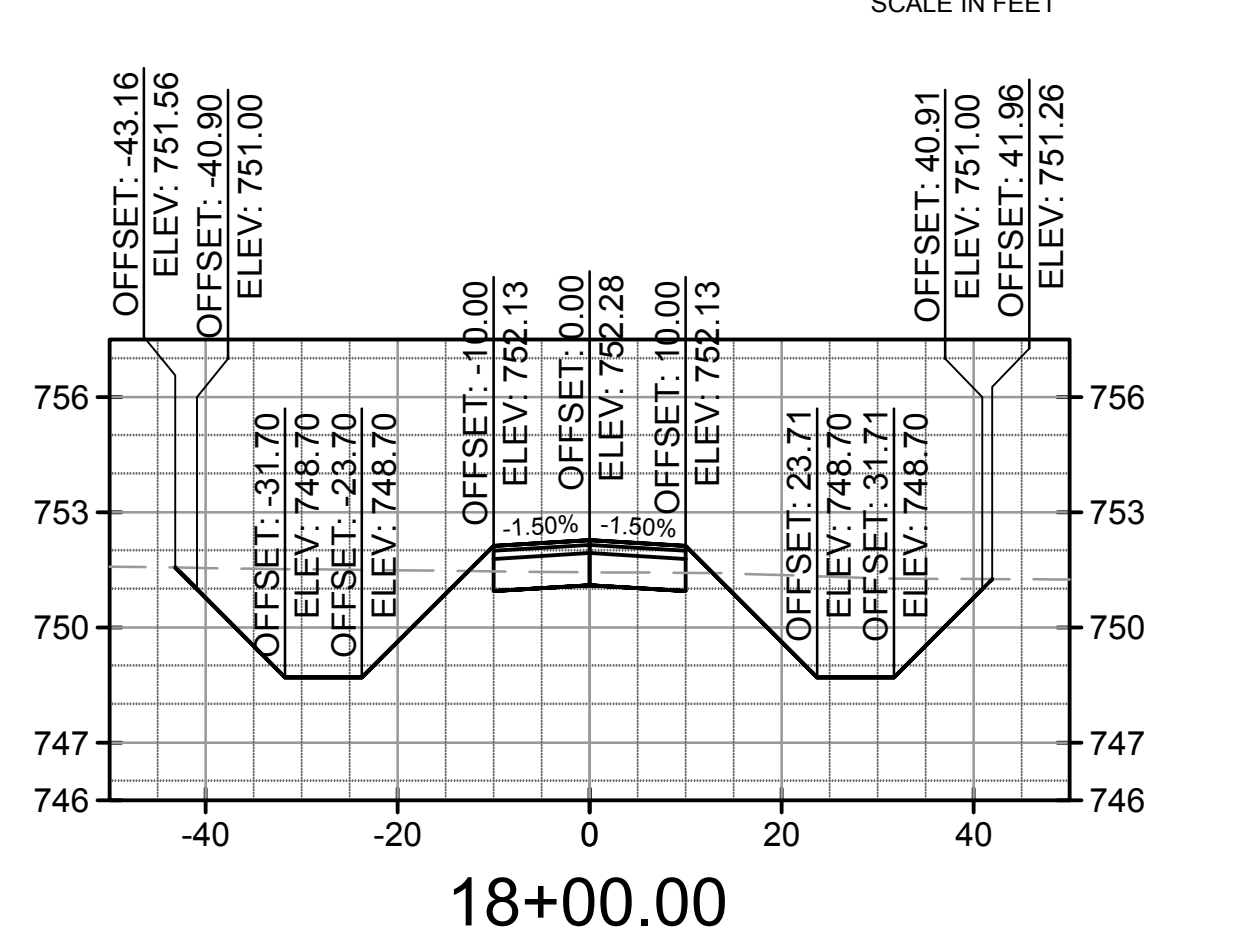
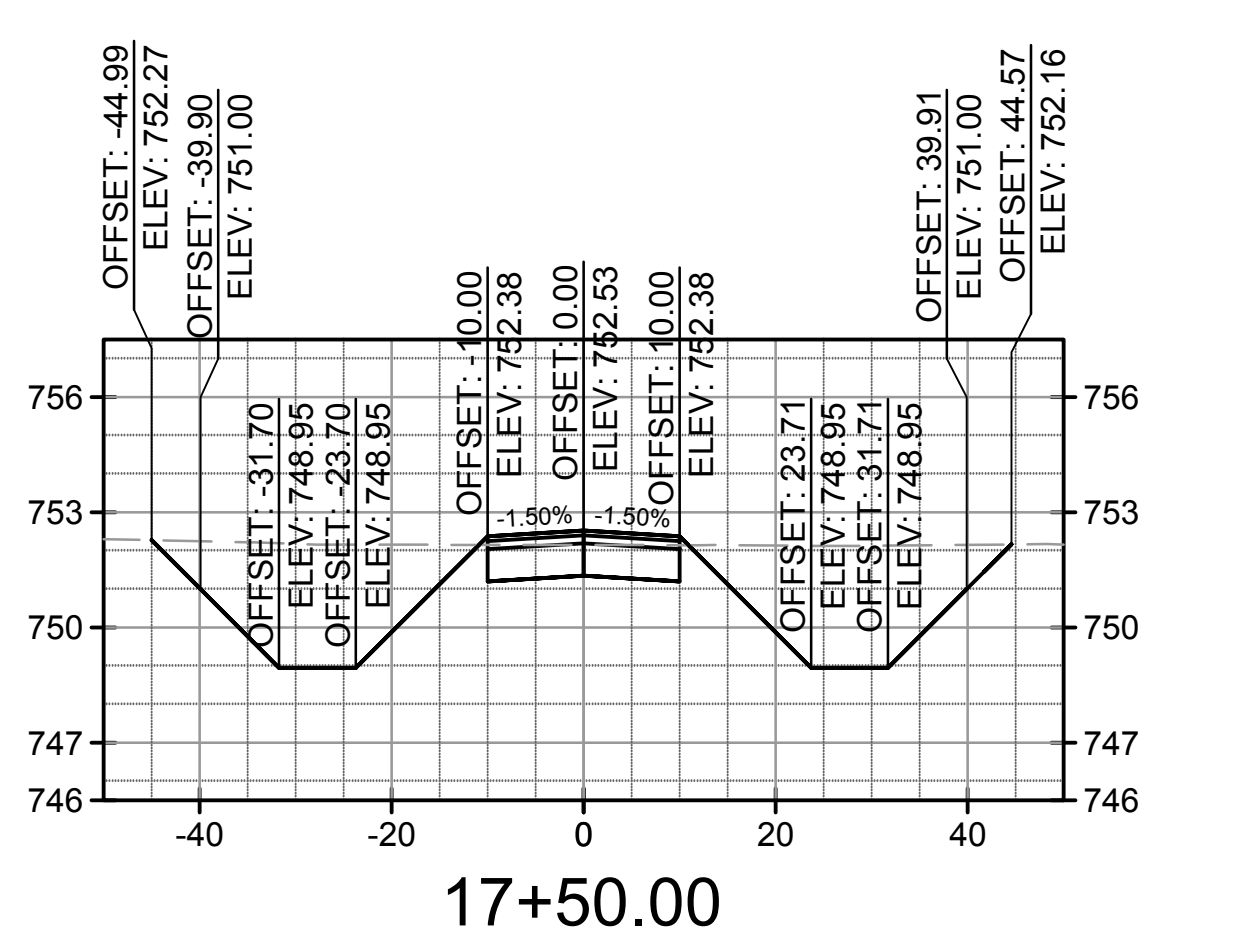
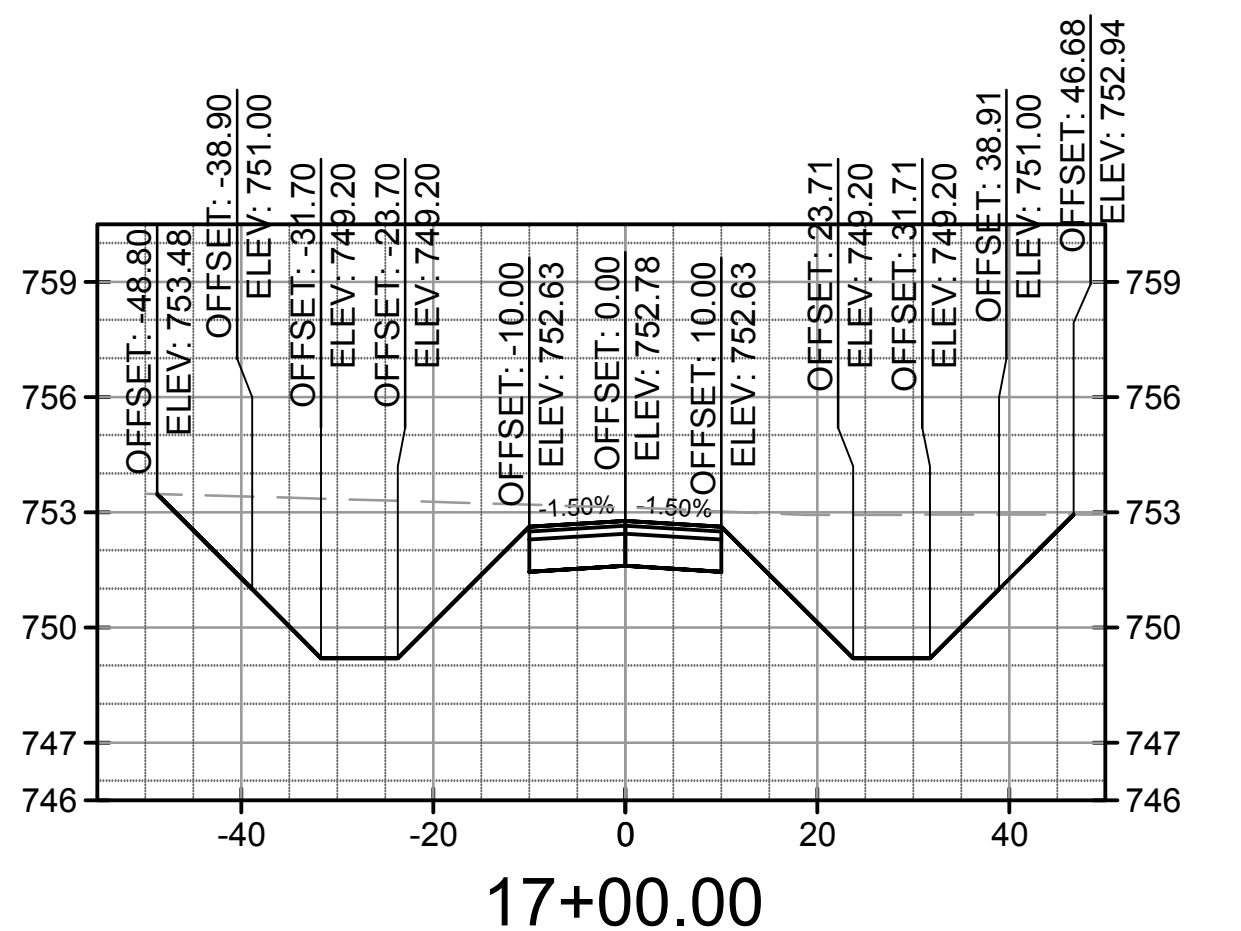
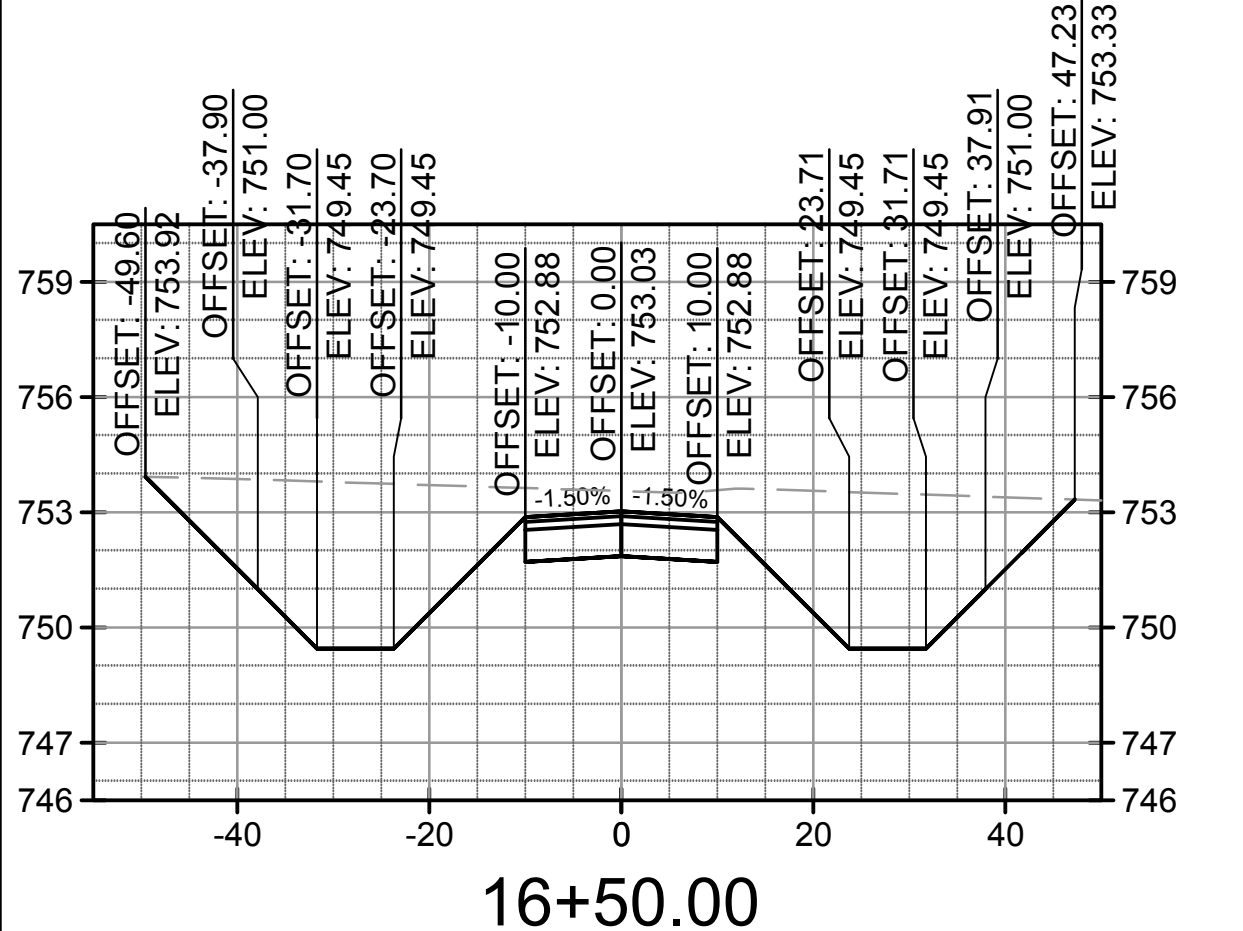
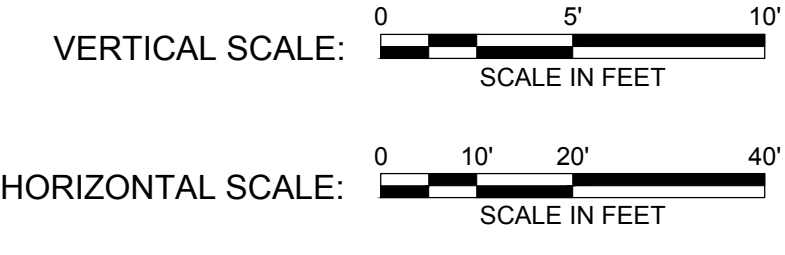
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WEST END PERIMETER ROADWAY

CROSS SECTIONS

project	contract
88849	DPA-4300
drawing	rev.
X-101	
sheet	of sheets
file	





no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

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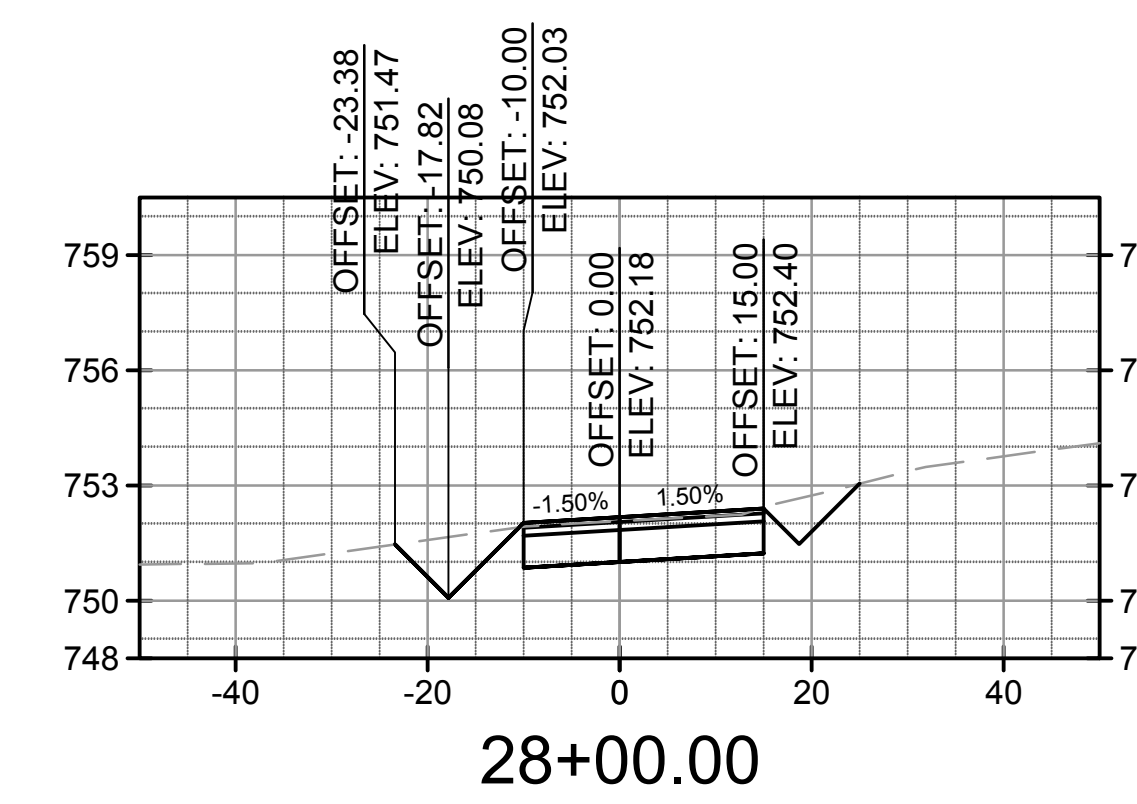
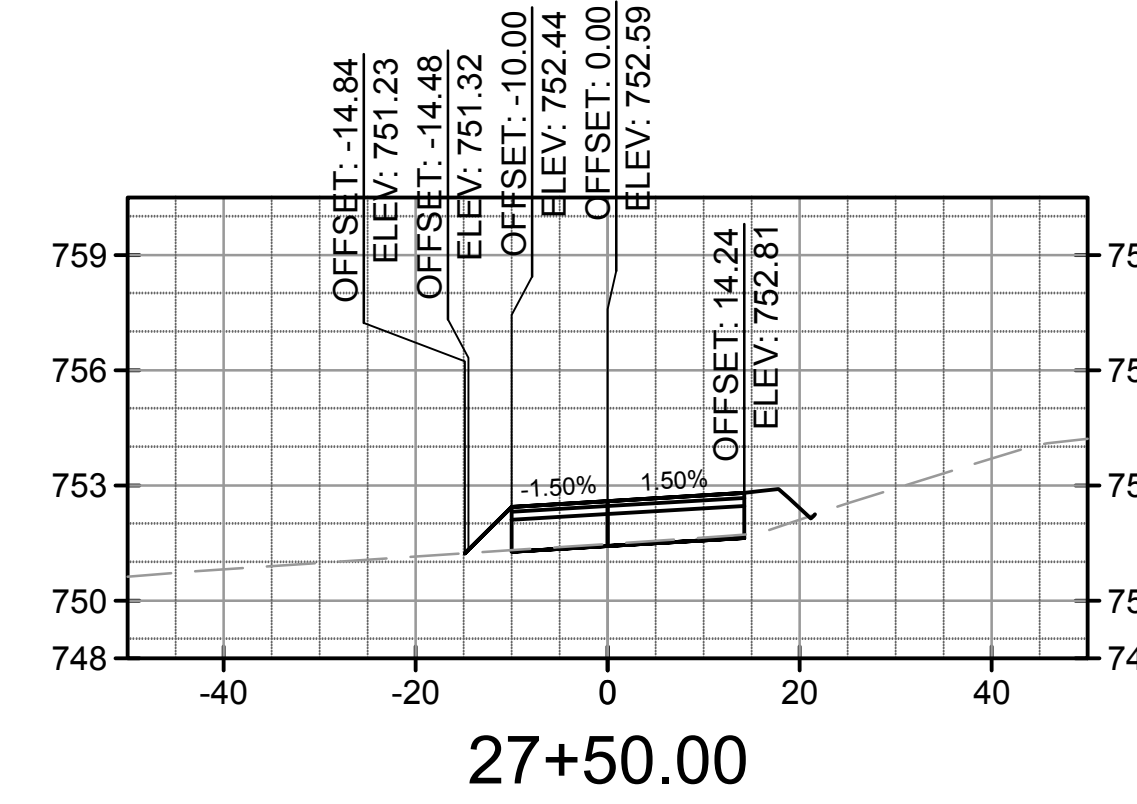
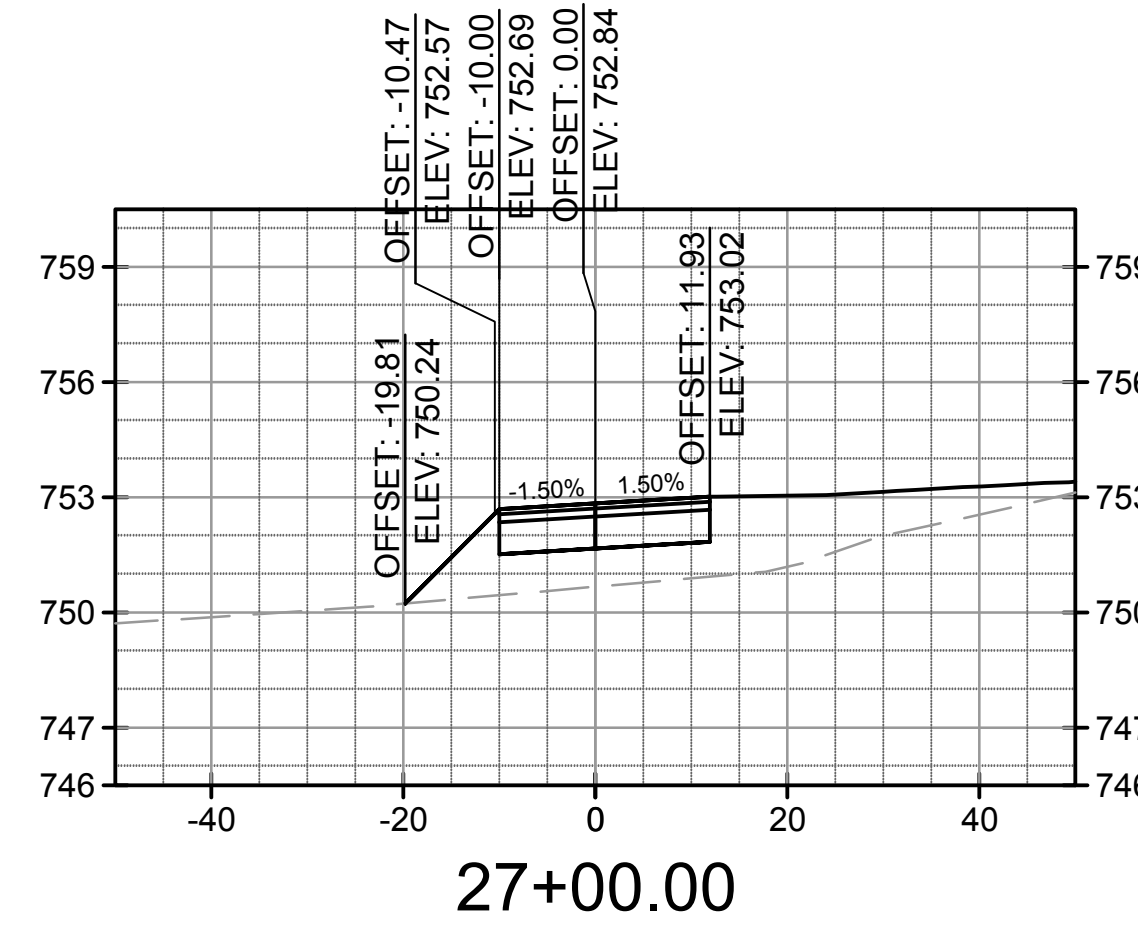
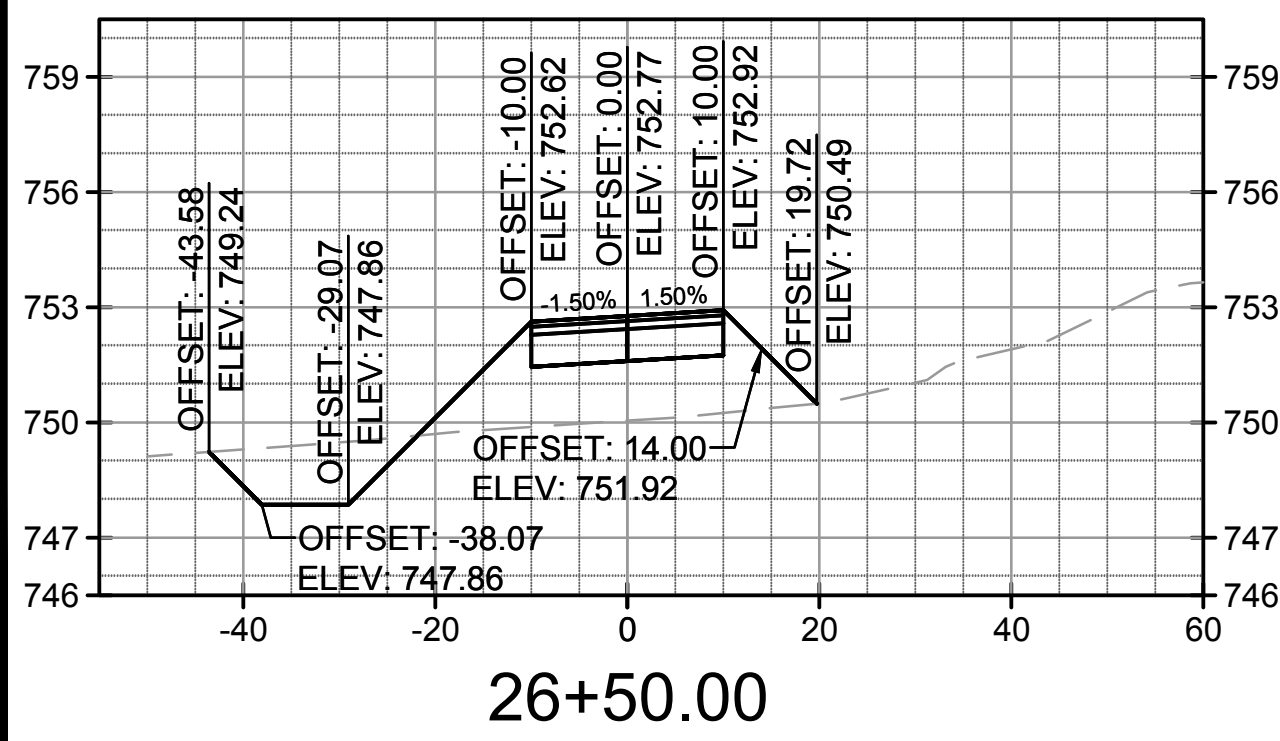
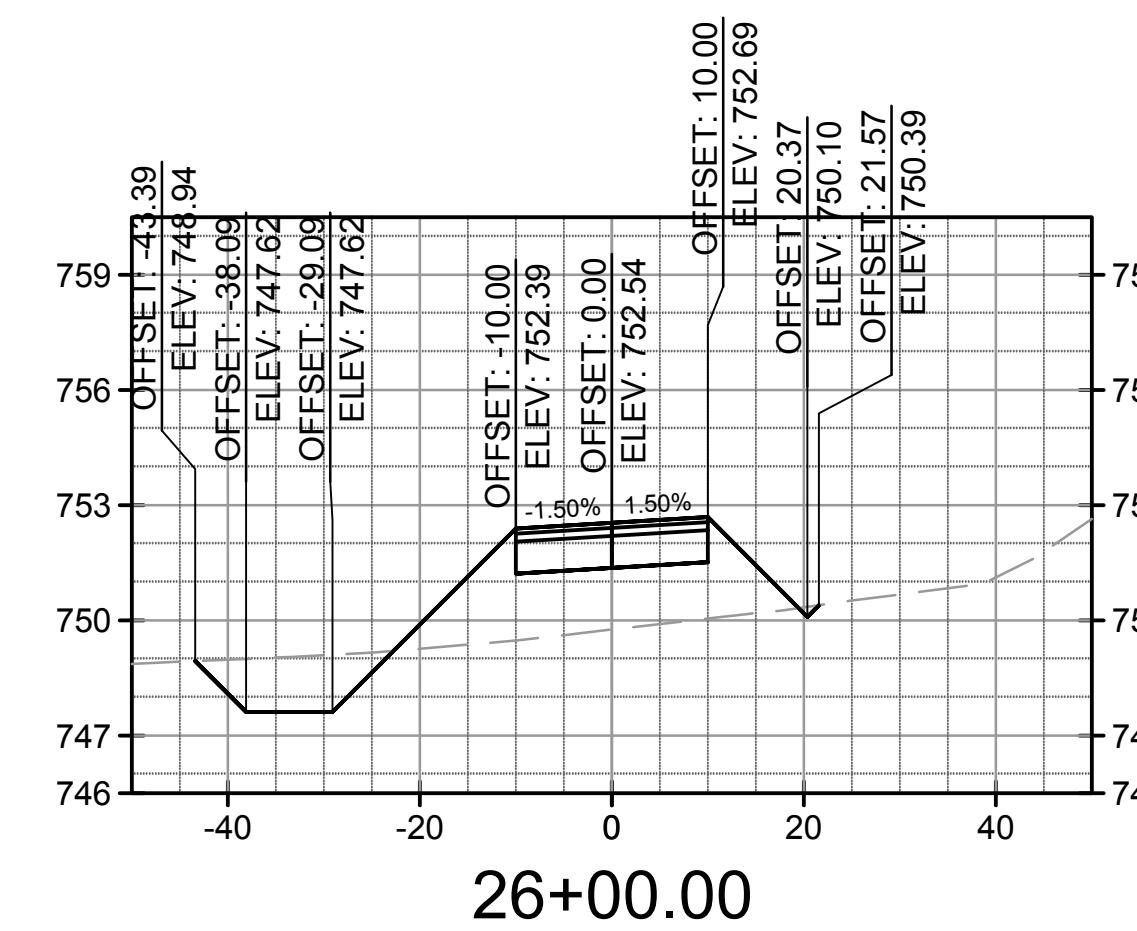
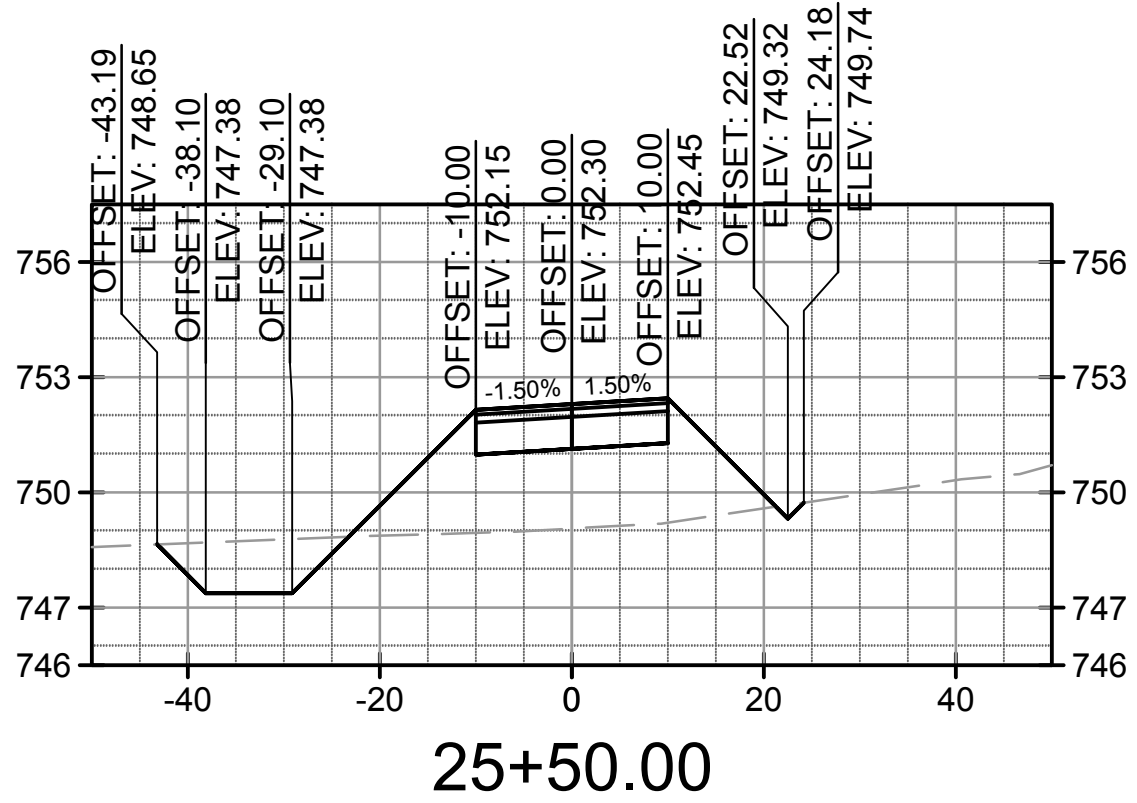
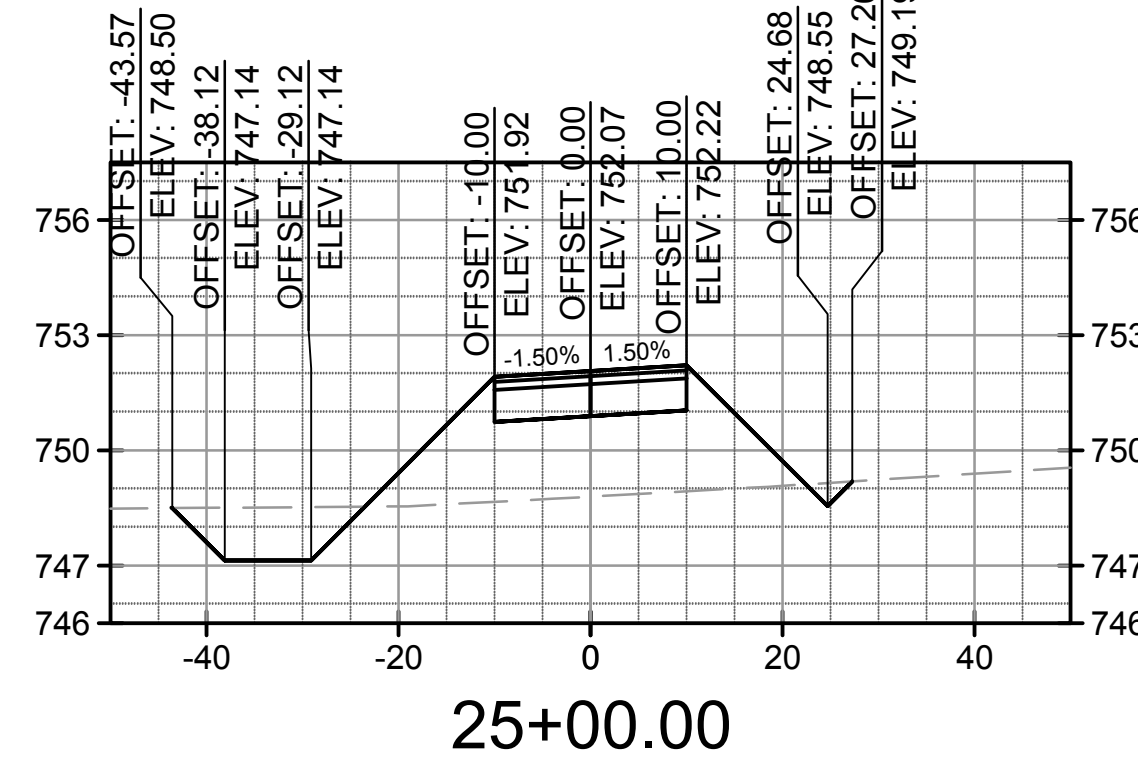
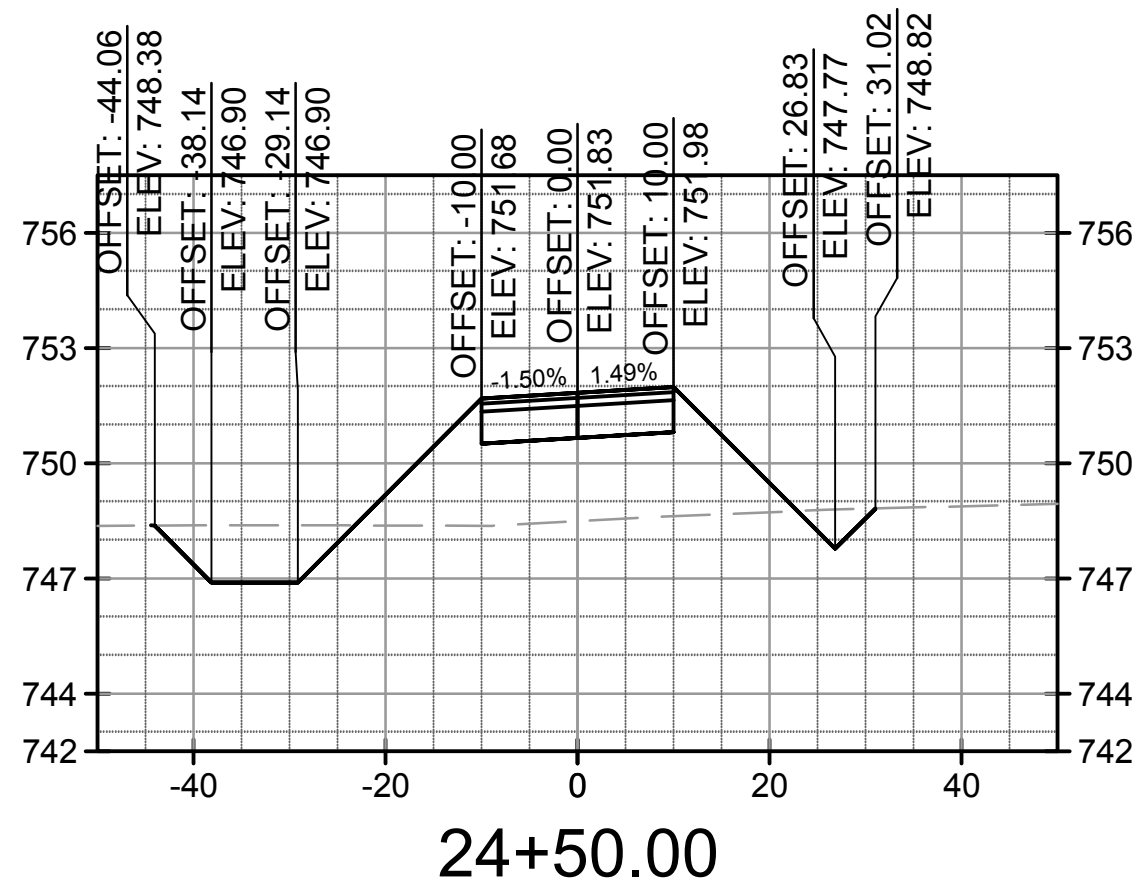
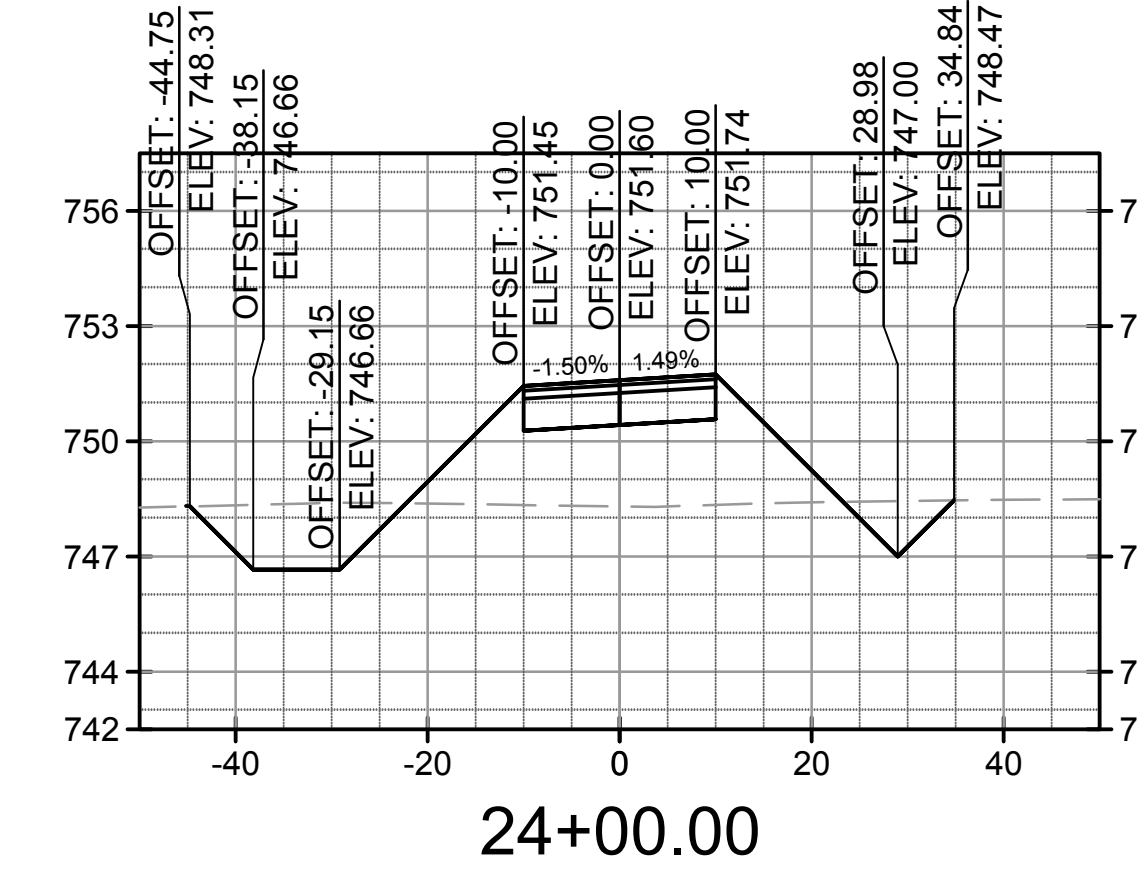
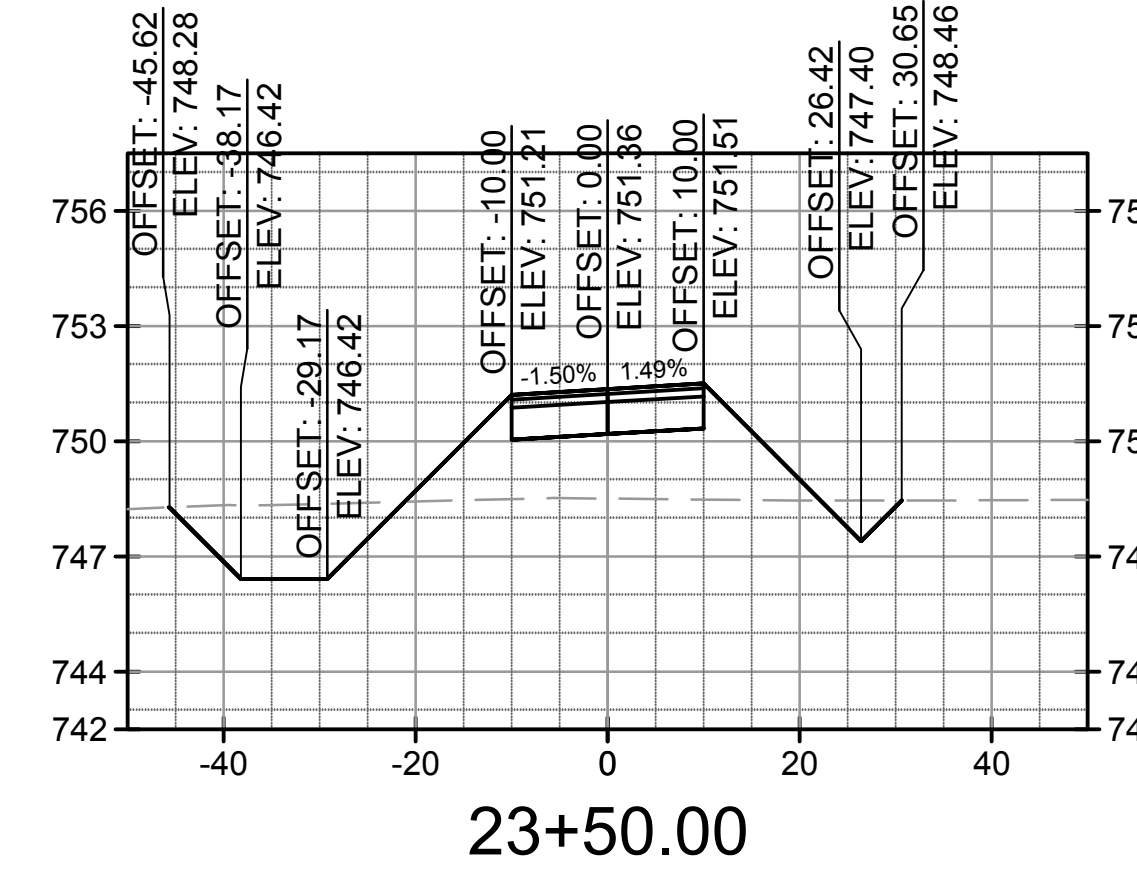
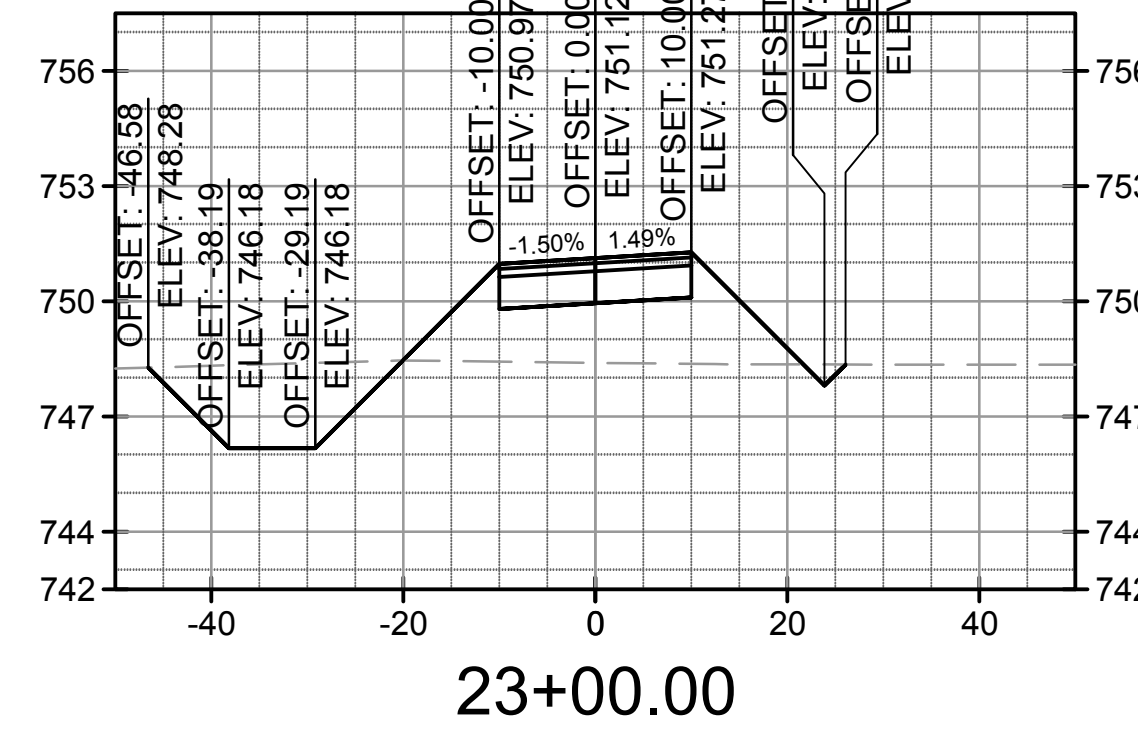
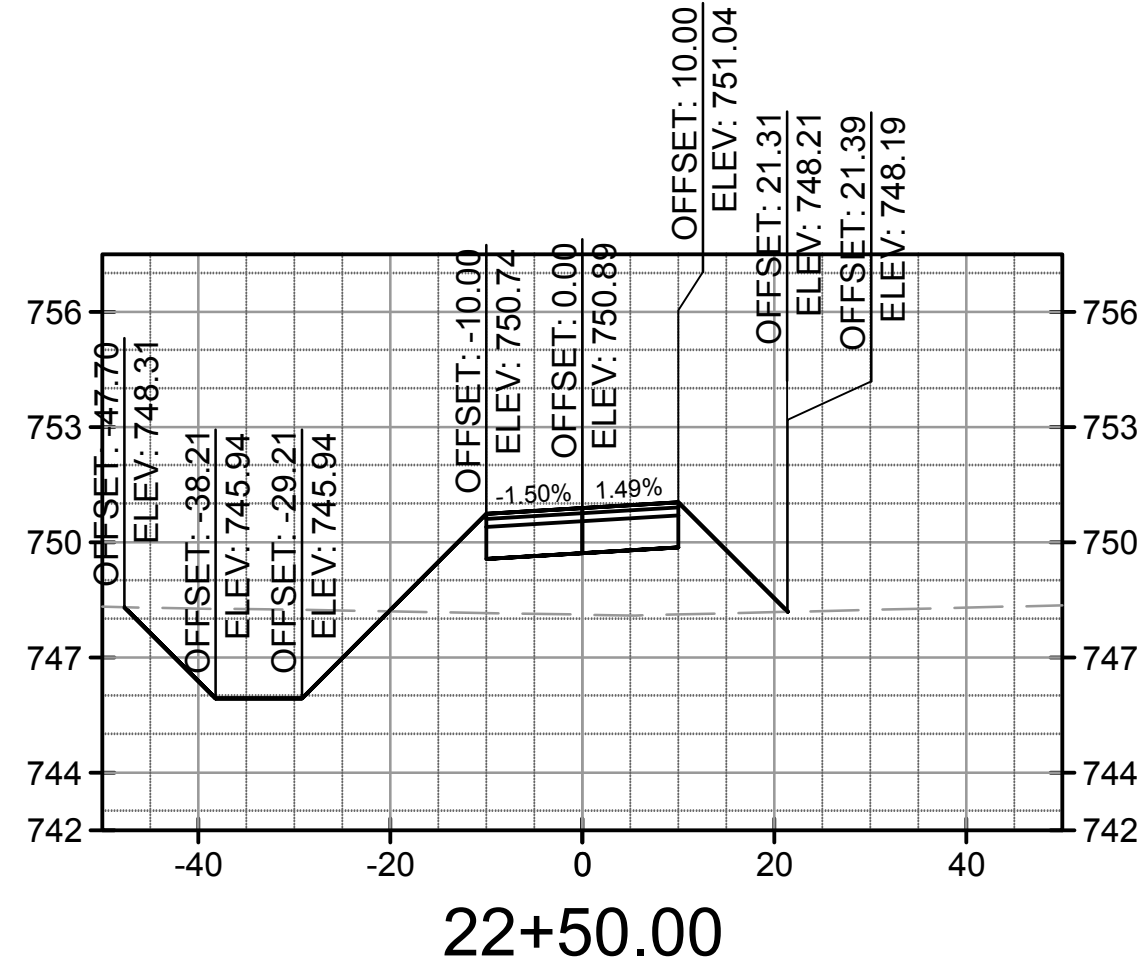
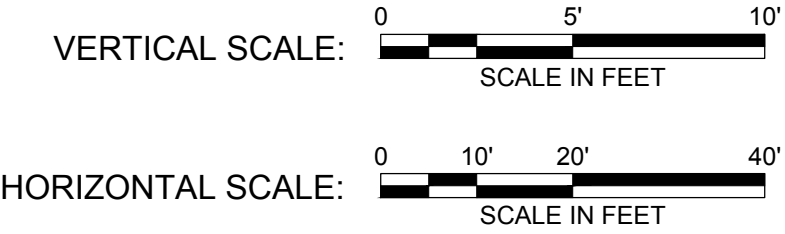
1431 OPUS PLACE, SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184-001310

date	designed	checked	detailed
JANUARY 25, 2016	J. YAHYA	B. QUINLAN	A. BUDNIK

DUPAGE AIRPORT AUTHORITY

DuPage, Illinois

WEST END PERIMETER ROADWAY	
CROSS SECTIONS	
project	contract
88849	DPA-4300
drawing	rev.
X-102	
sheet	of sheets
file	



no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

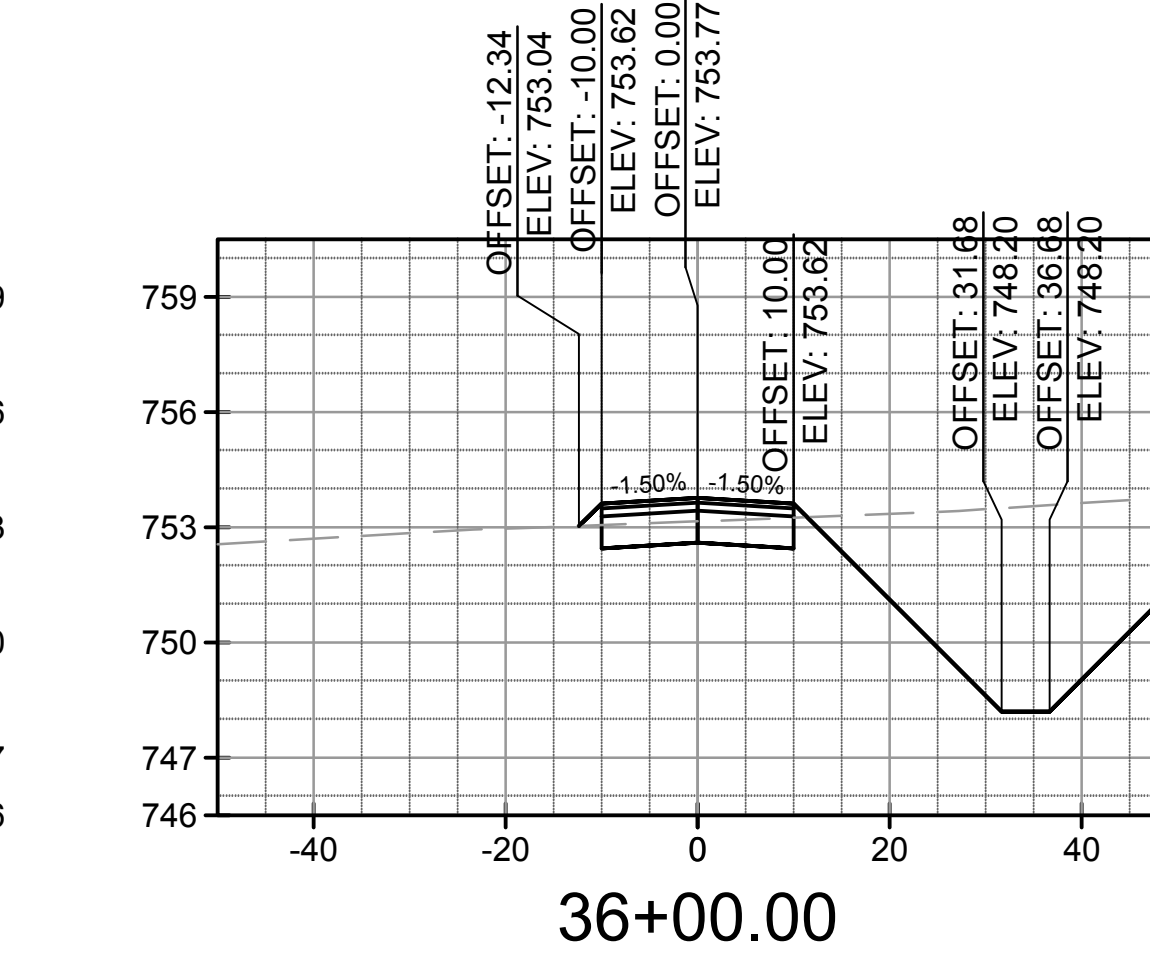
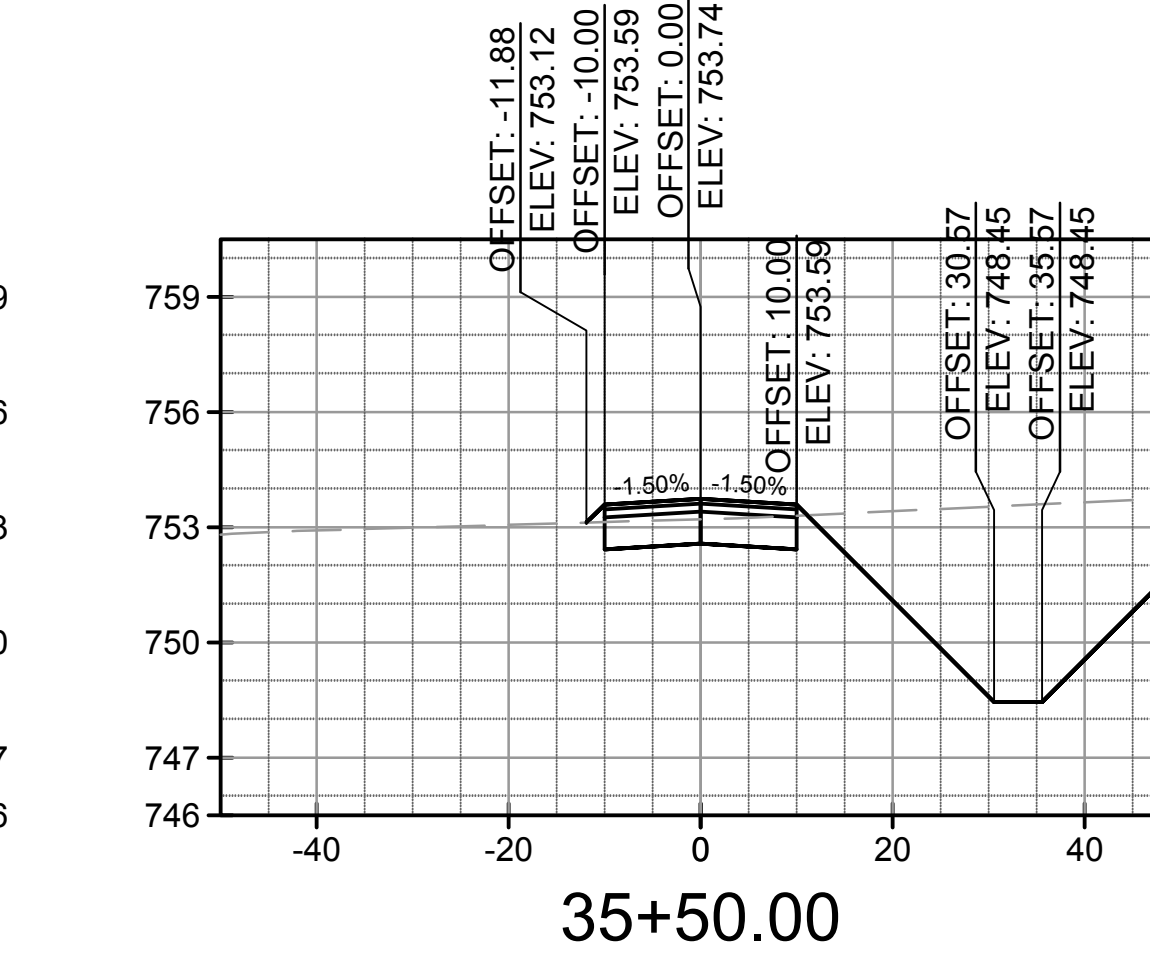
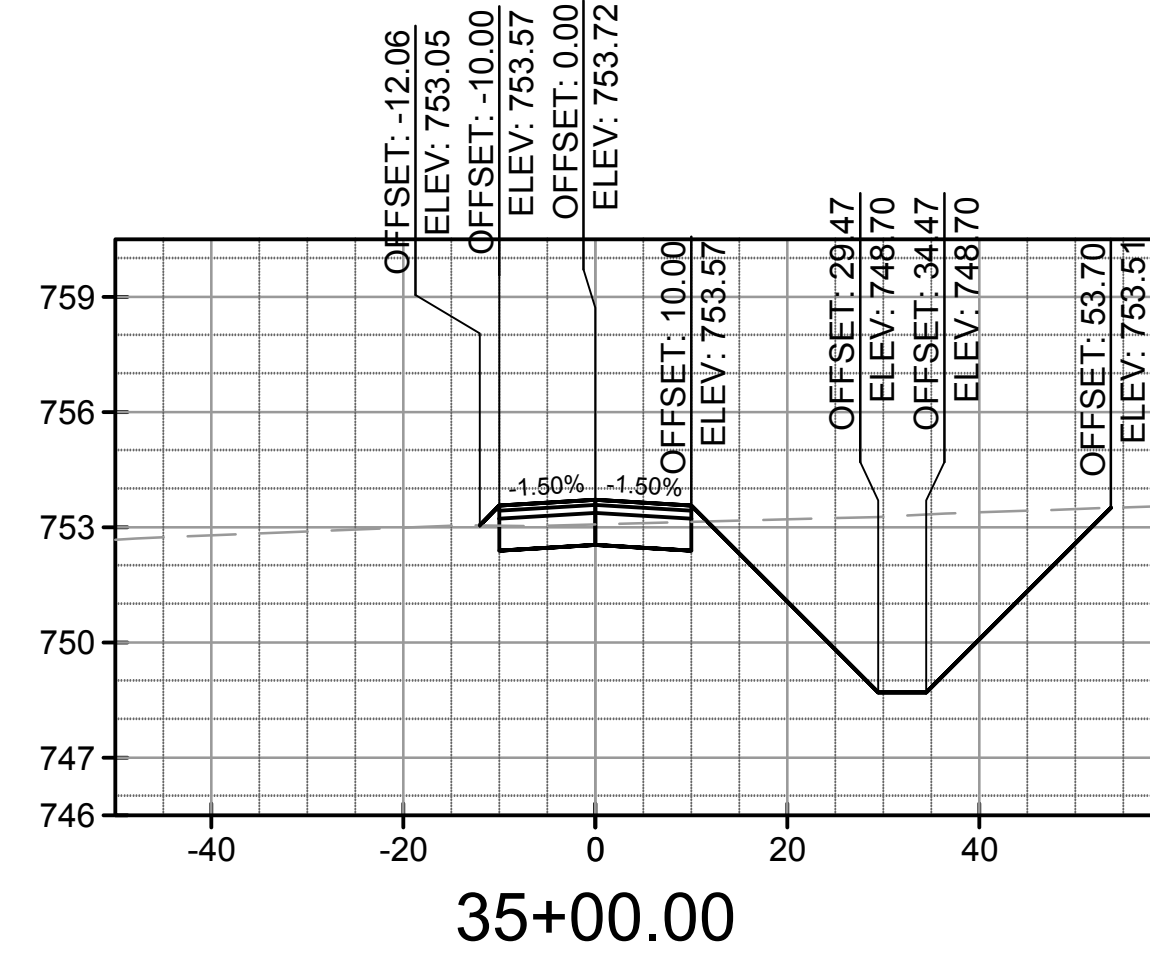
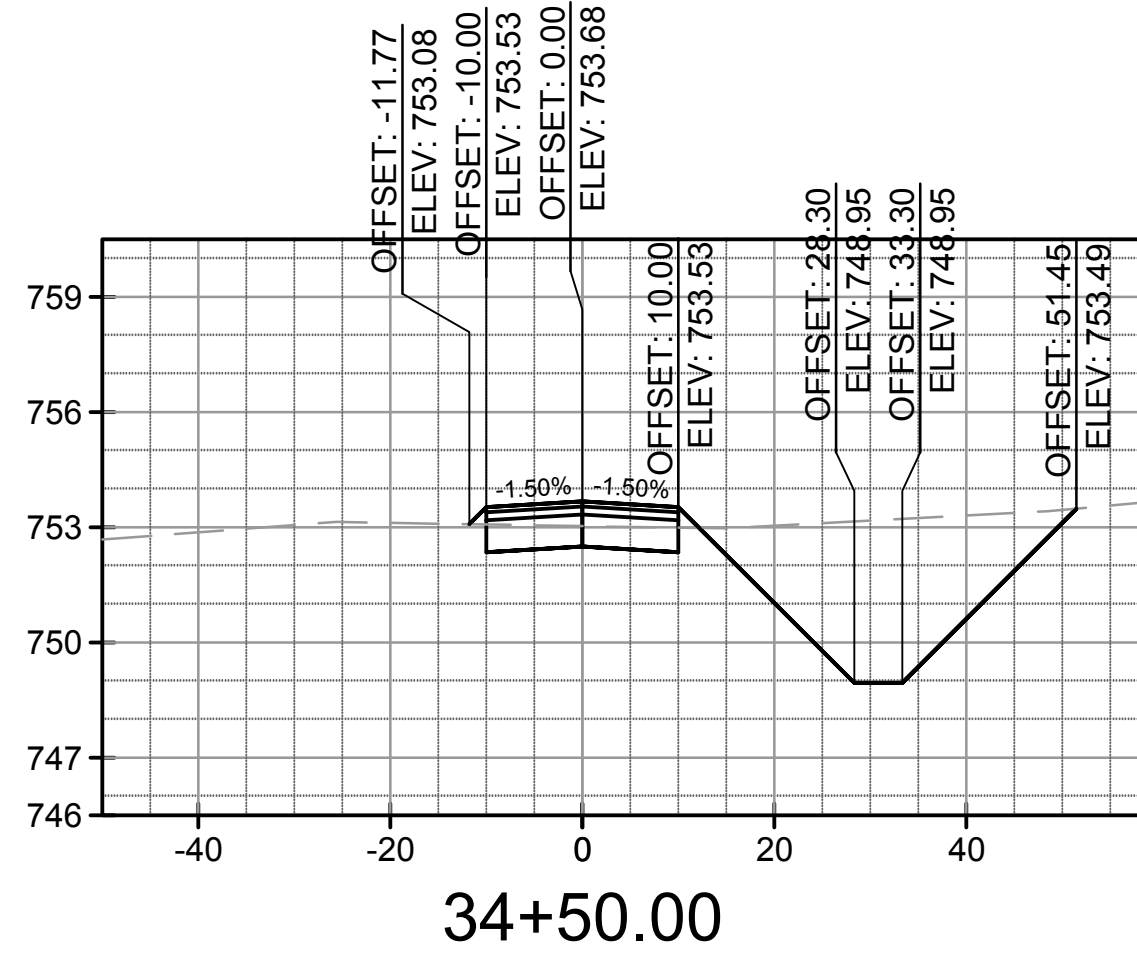
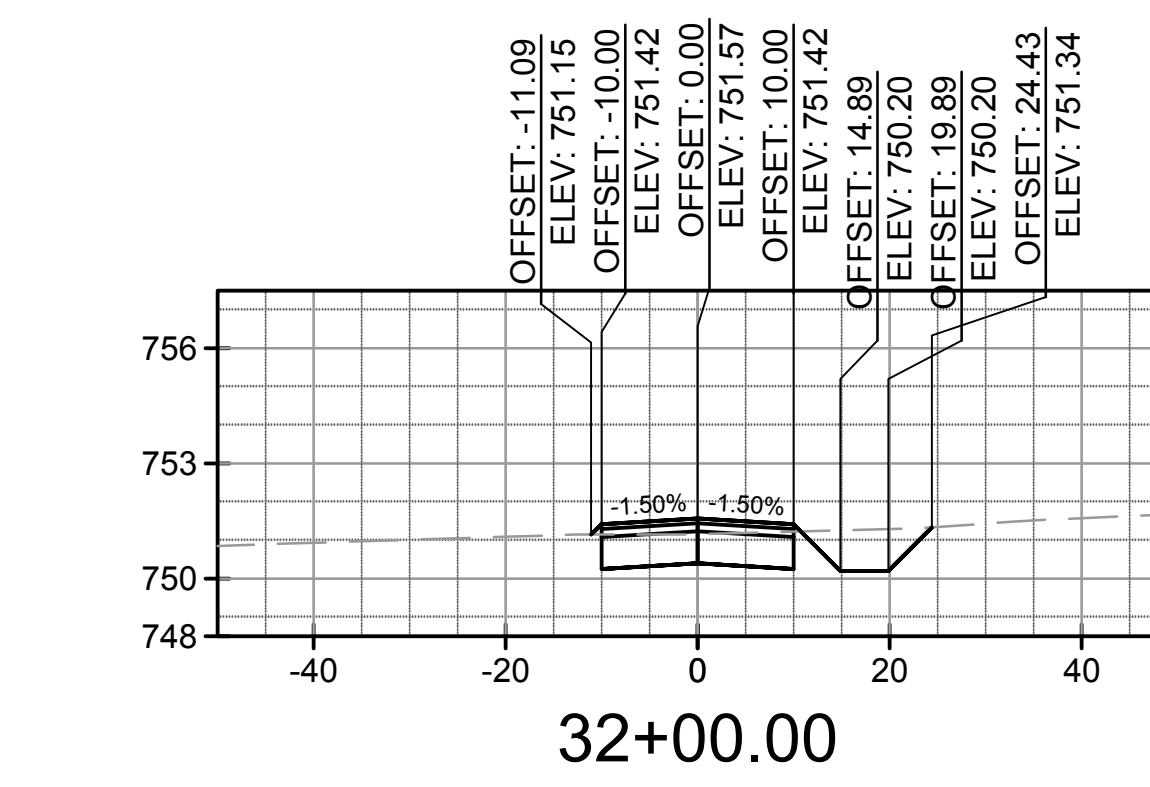
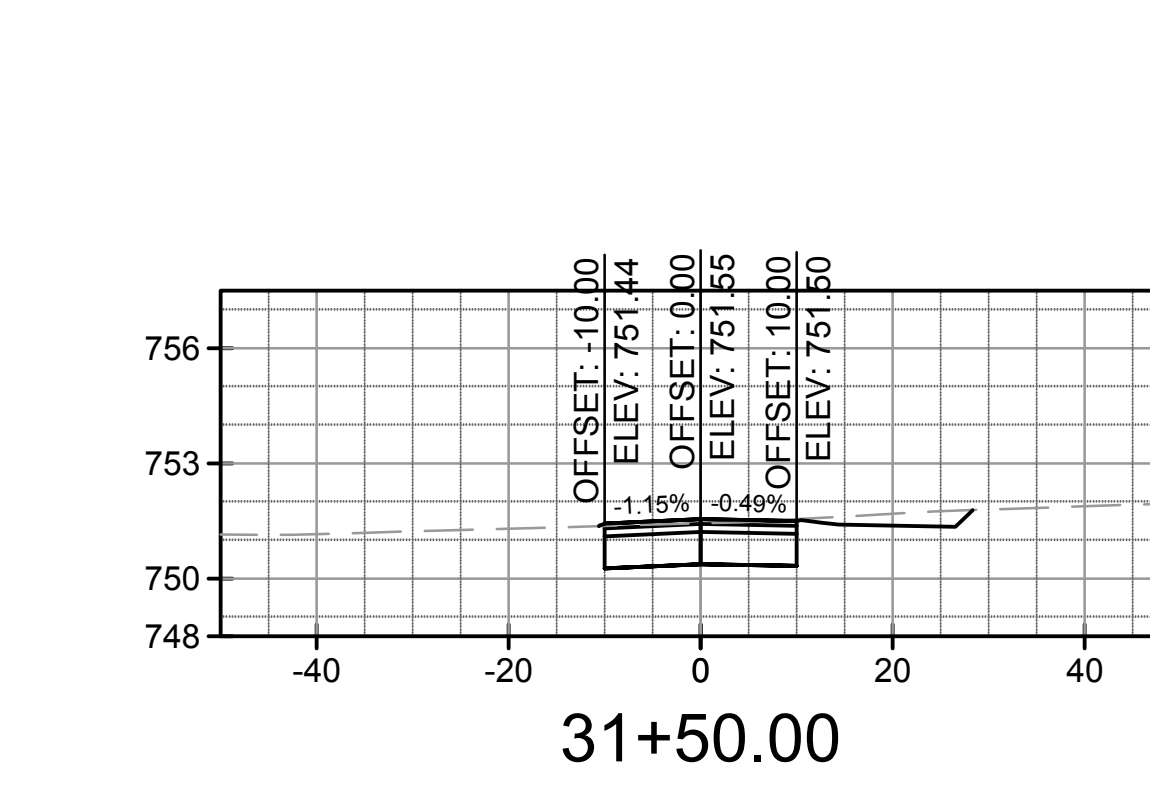
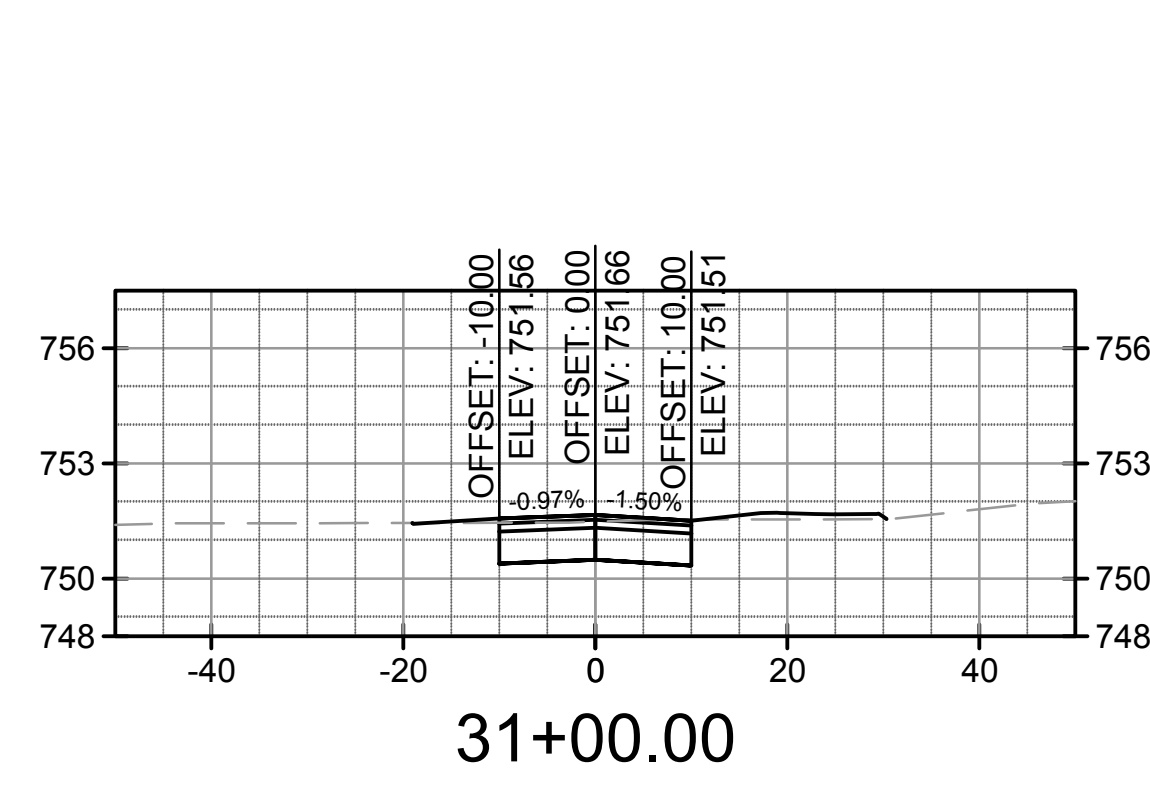
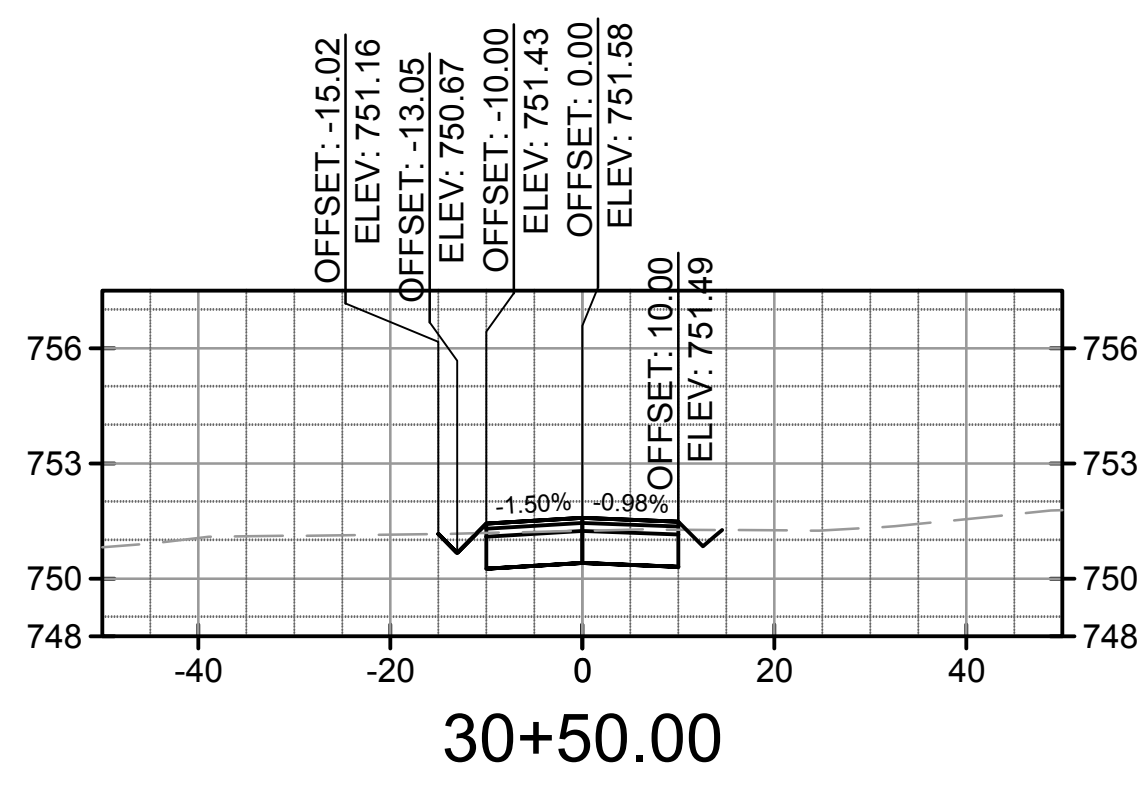
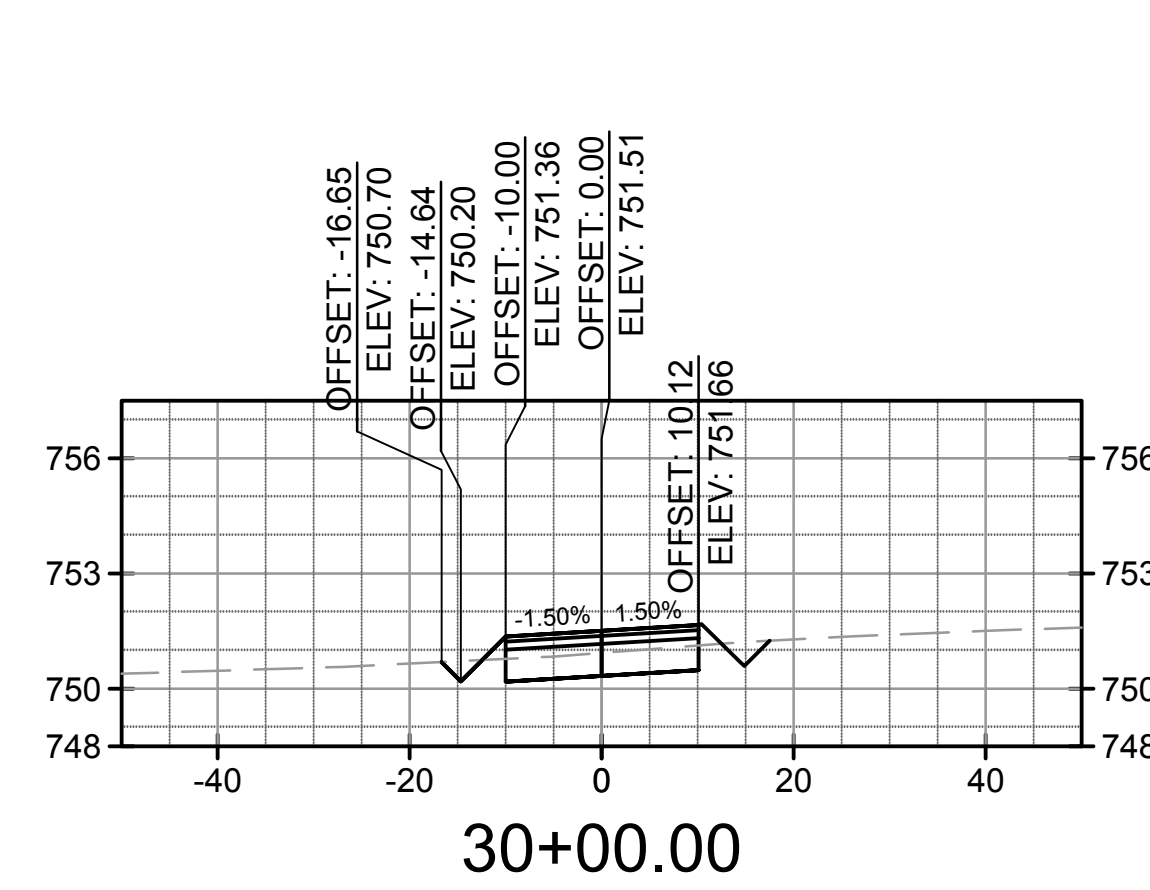
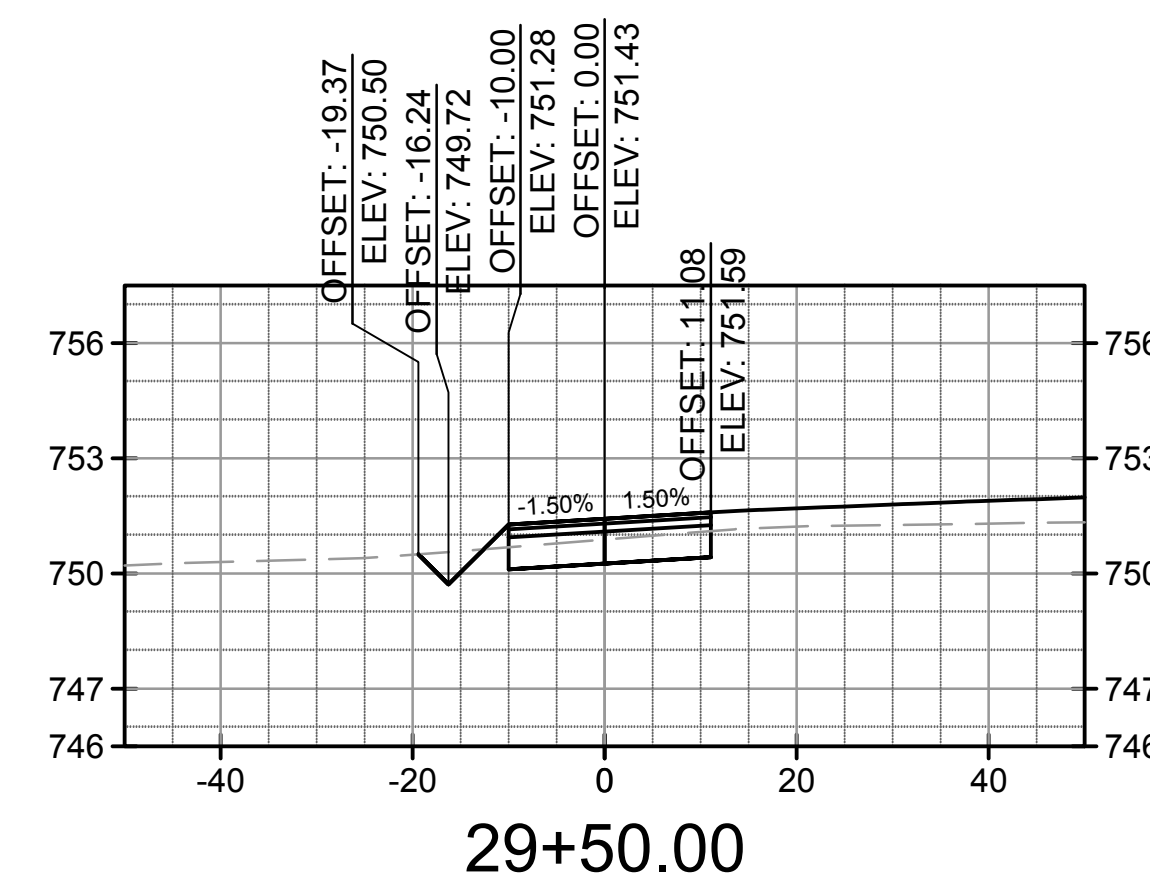
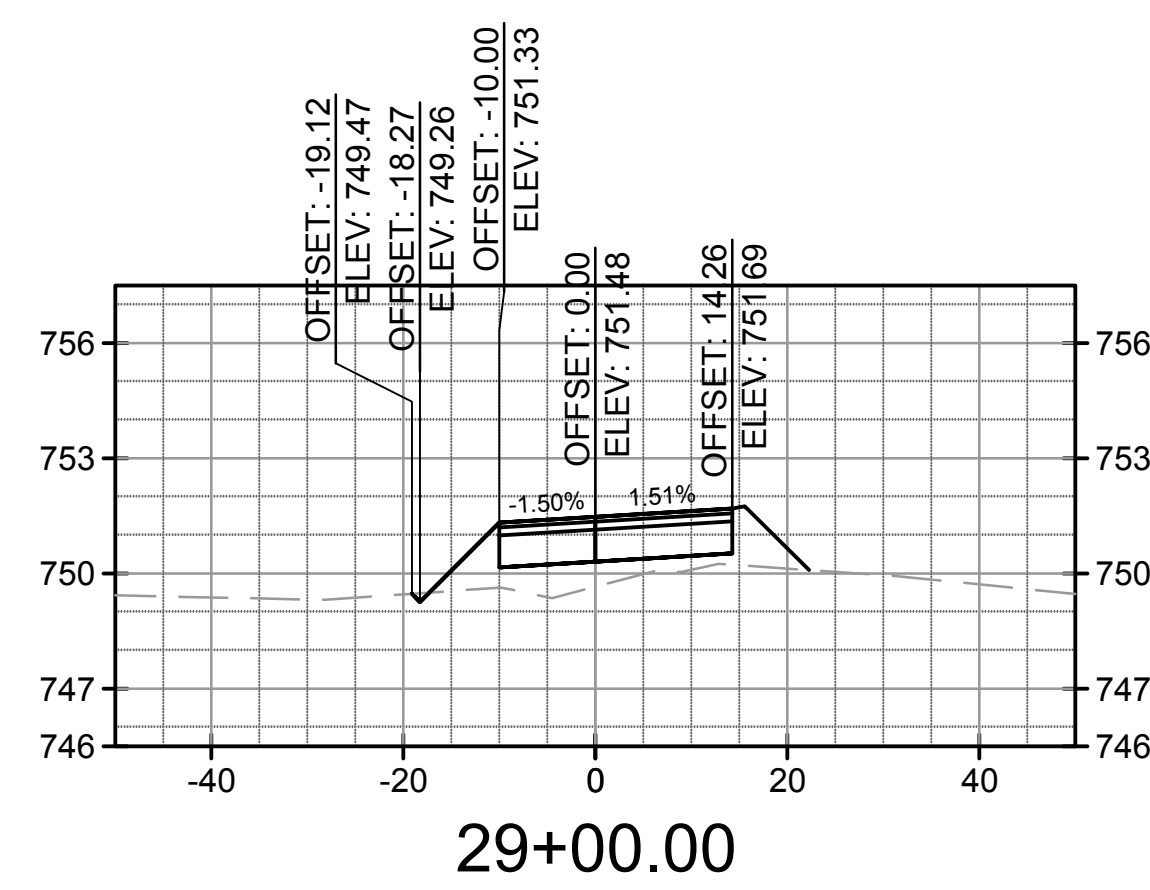
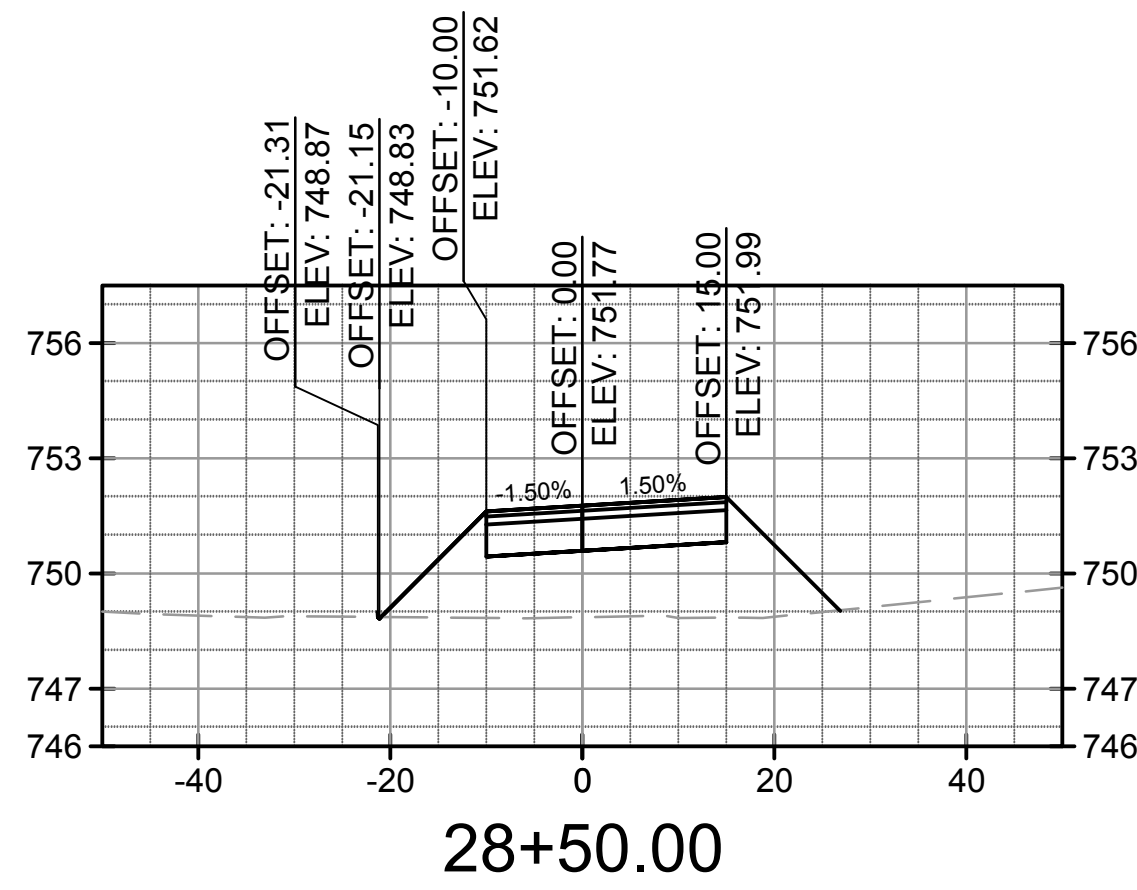
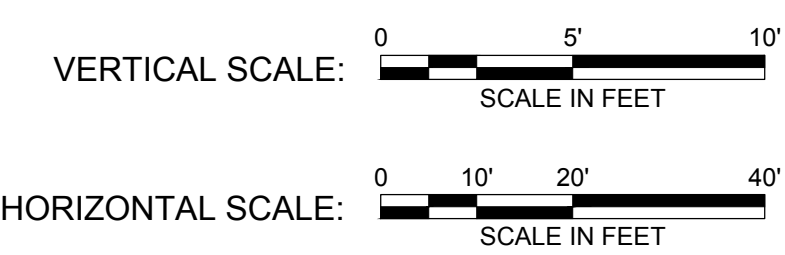
BURNS MEDONNELL
 1431 OPUS PLACE, SUITE 400
 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184-001310

date	JANUARY 25, 2016	detailed	A. BUDNIK
designed	J. YAHYA	checked	B. QUINLAN

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project	88849	contract	DPA-4300
drawing	X-103	rev.	
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no.	date	by	ckd	description
A	03/18/16	AB	BQ	ISSUED FOR 80% REVIEW
B	04/15/16	AB	BQ	ISSUED FOR BID

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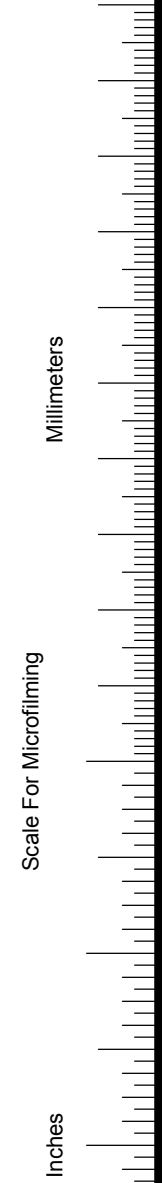
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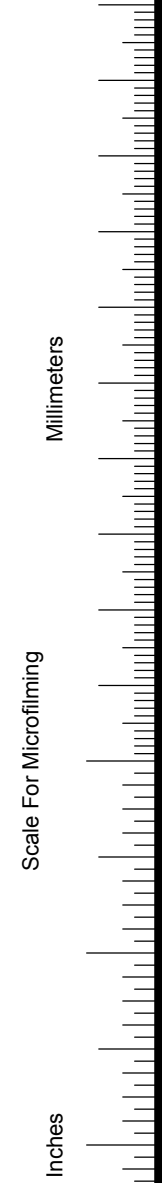
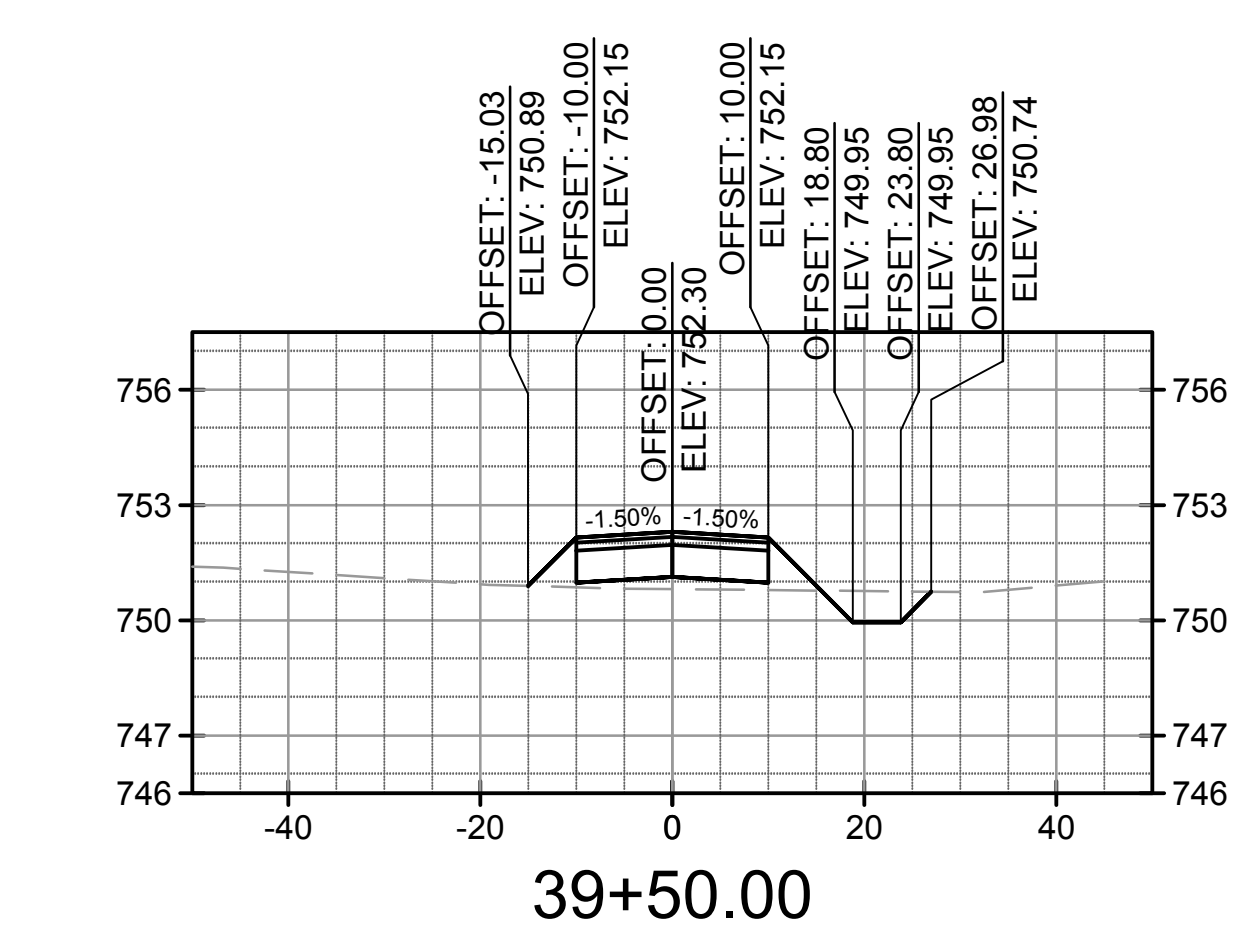
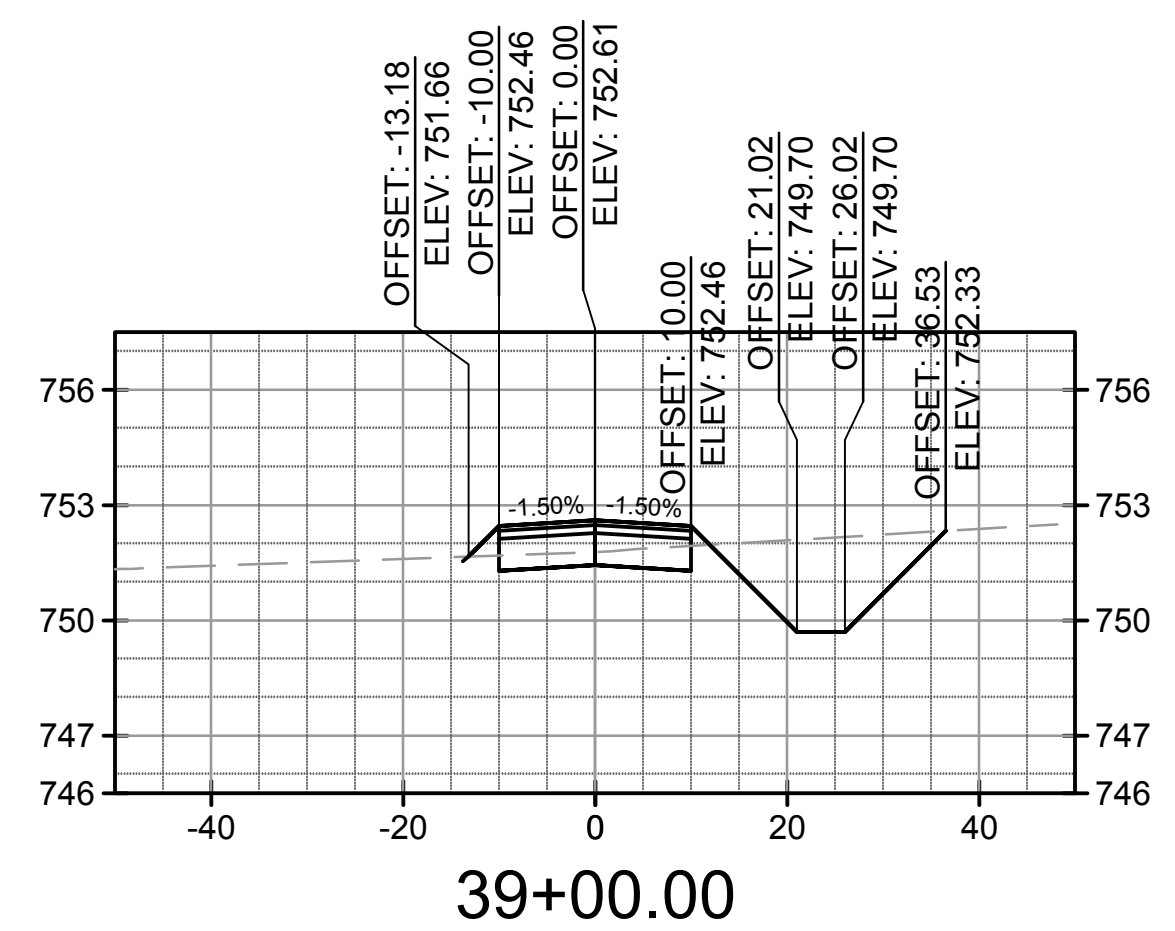
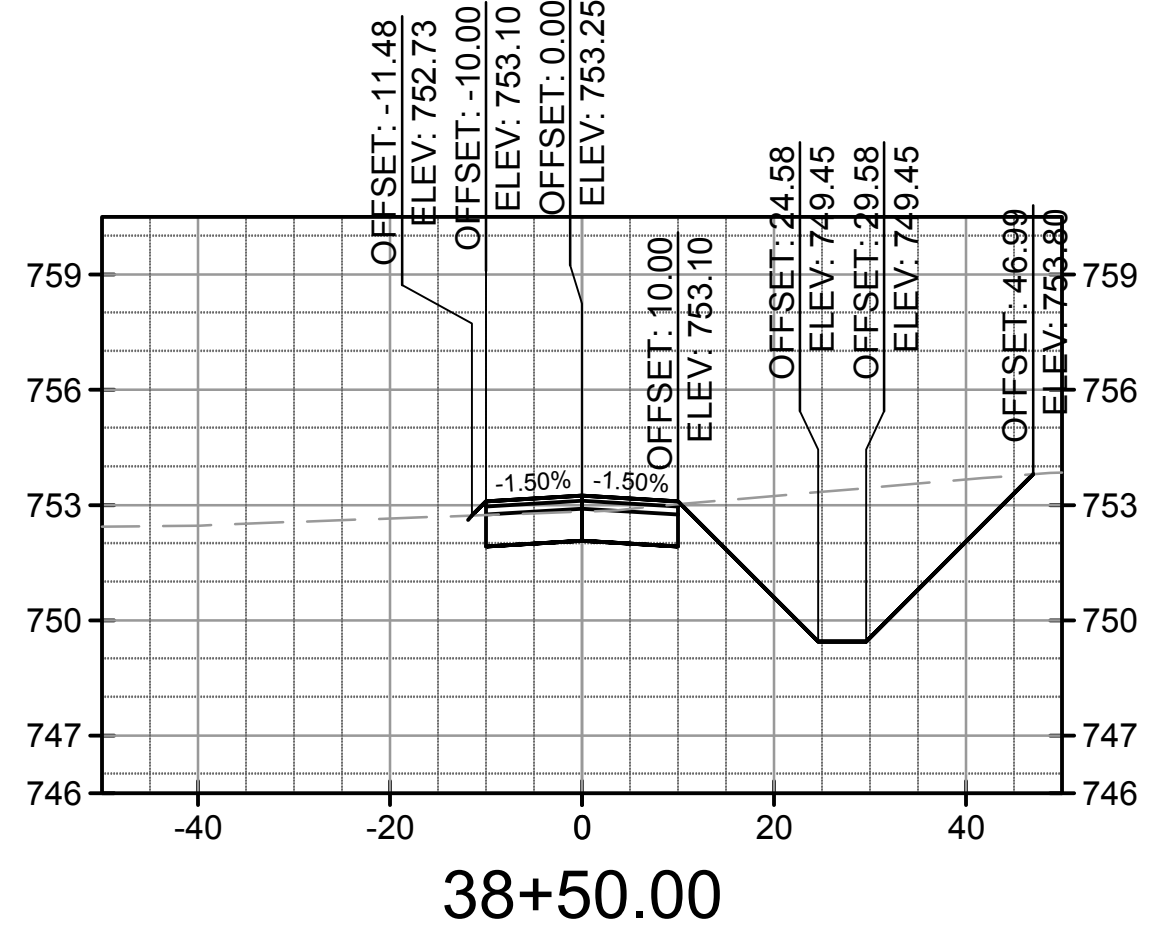
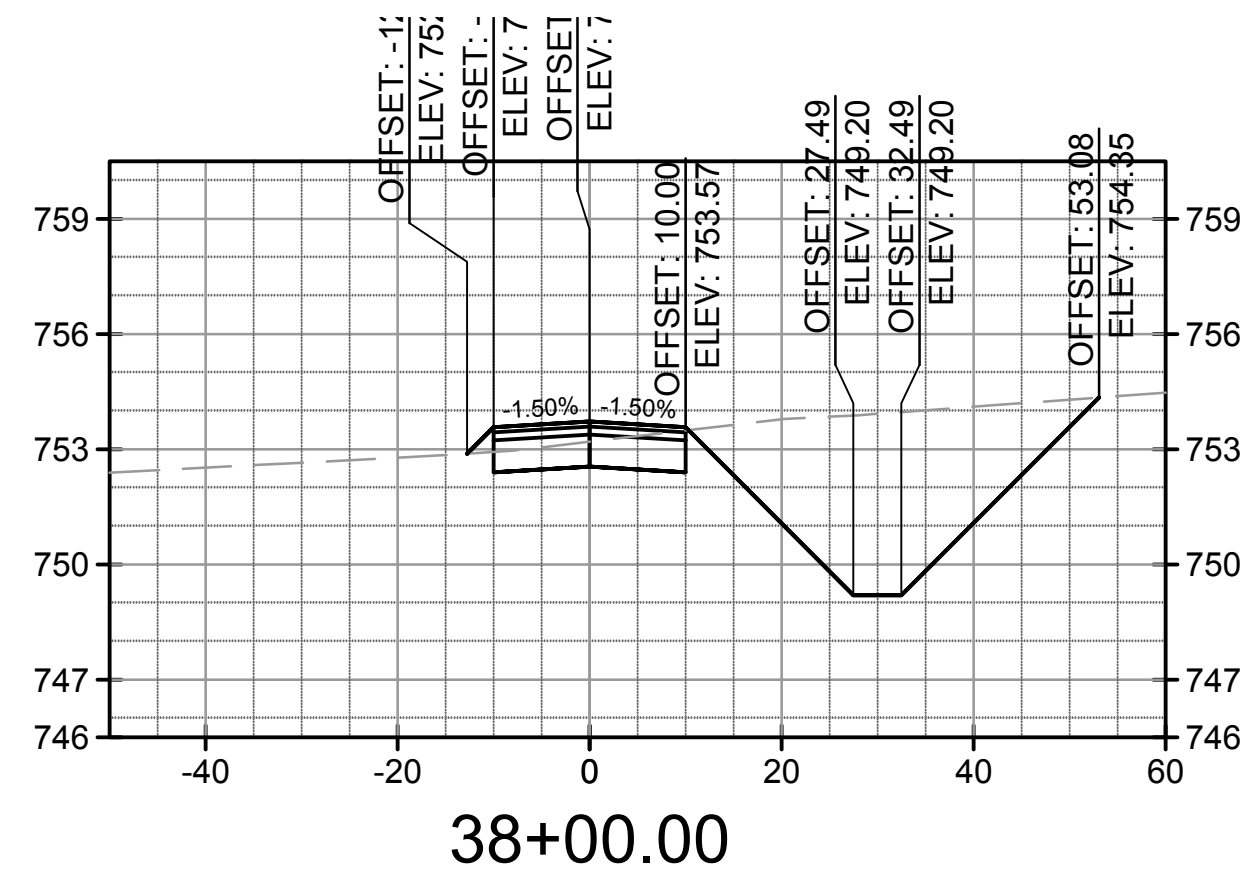
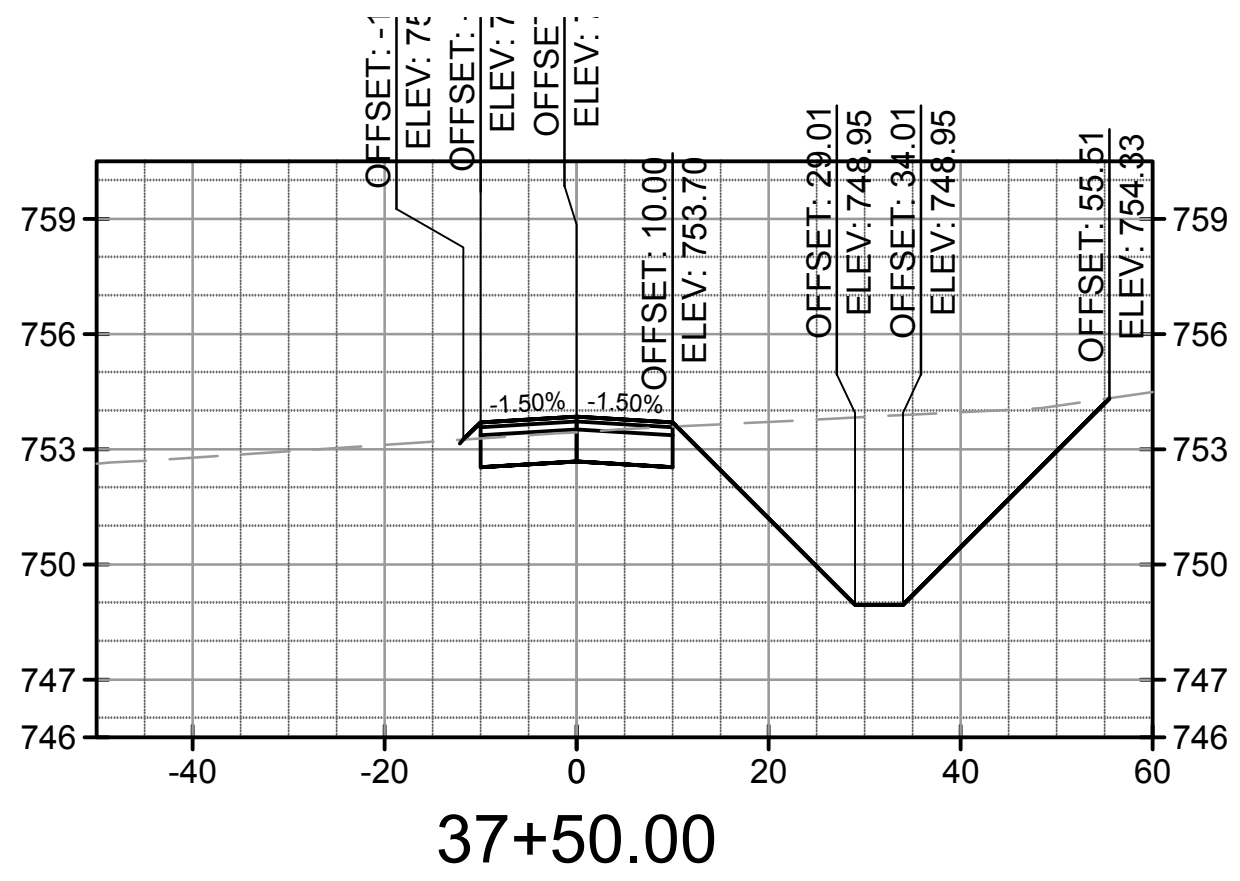
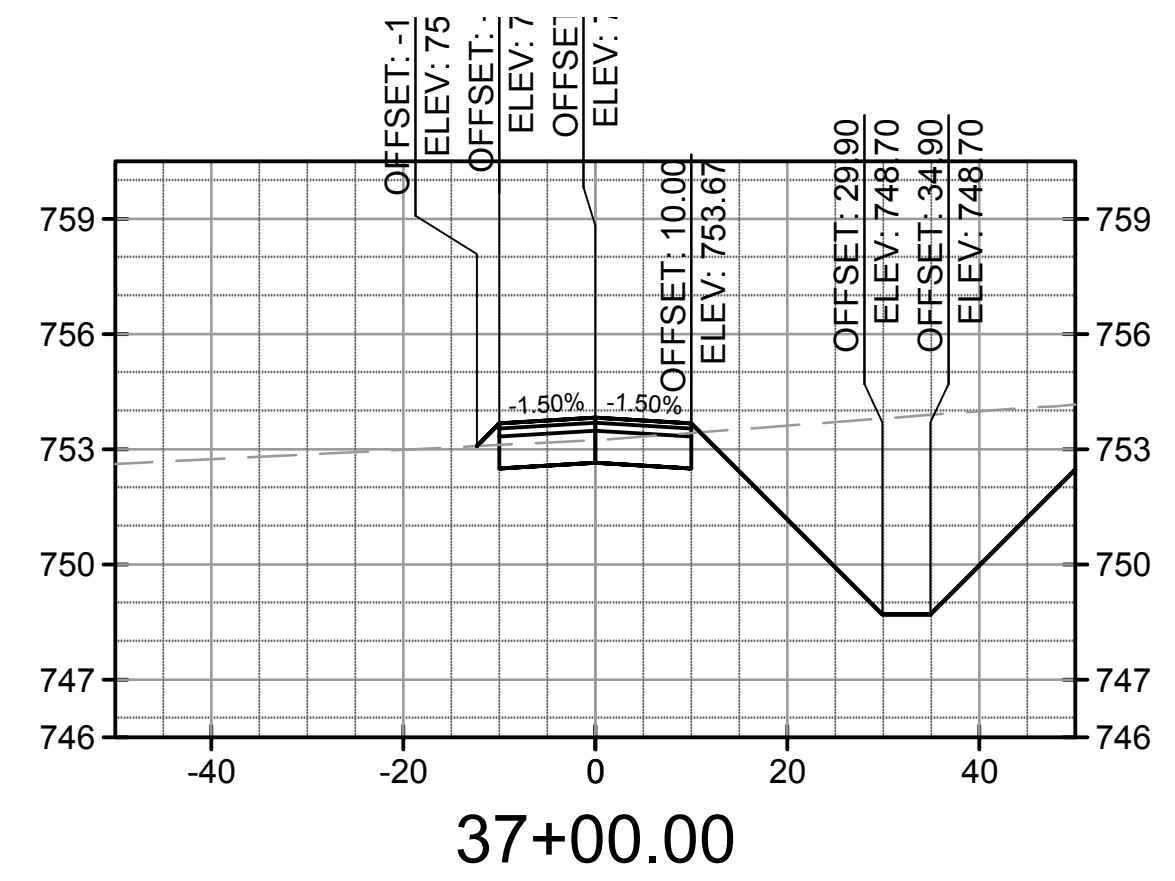
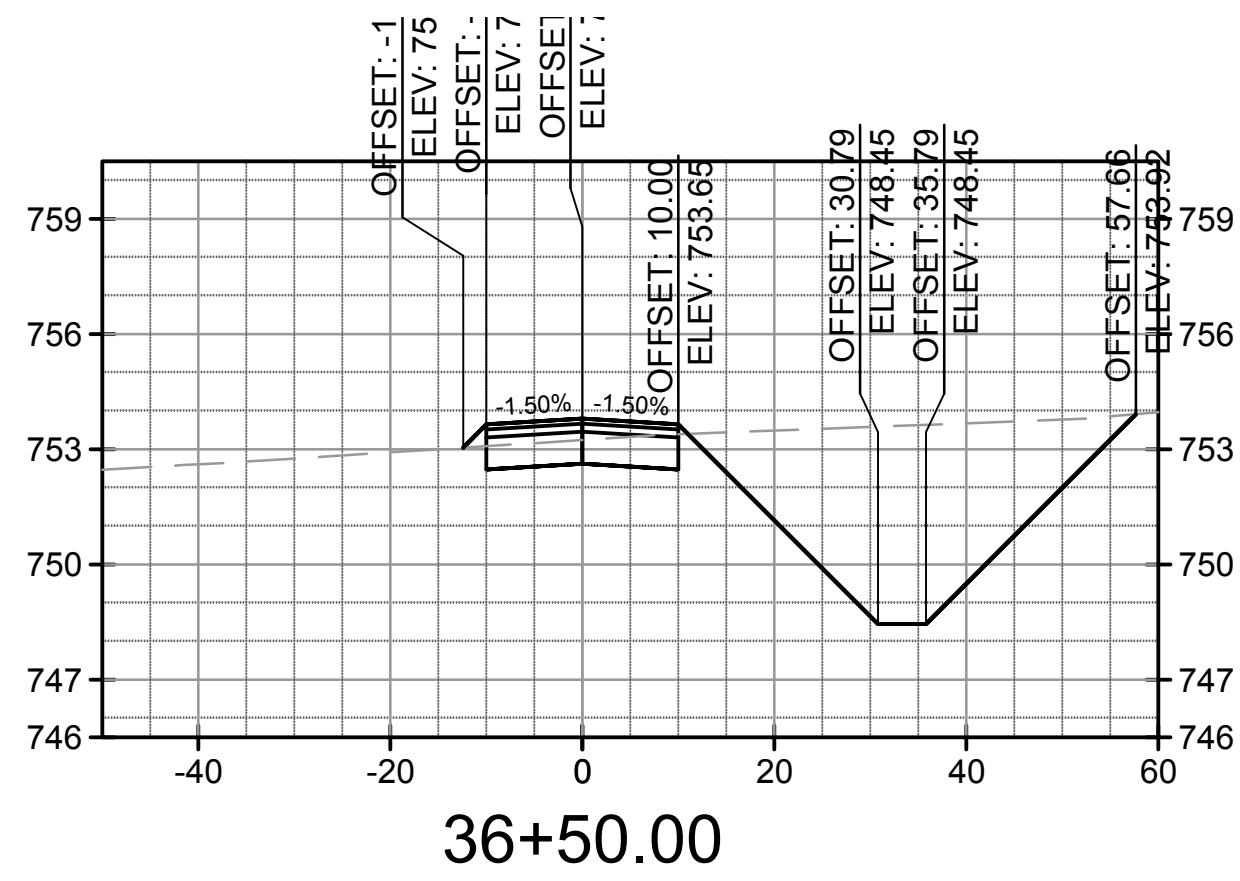
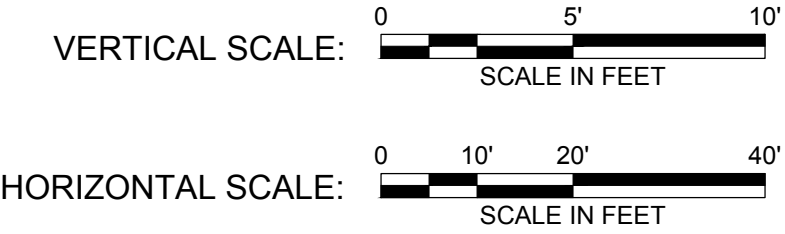
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project	88849	contract	DPA-4300
drawing	X-105	rev.	-
sheet	of	sheets	
file			