

CONSTRUCTION PLANS FOR CENTRAL ILLINOIS REGIONAL AIRPORT

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
BLOOMINGTON, ILLINOIS

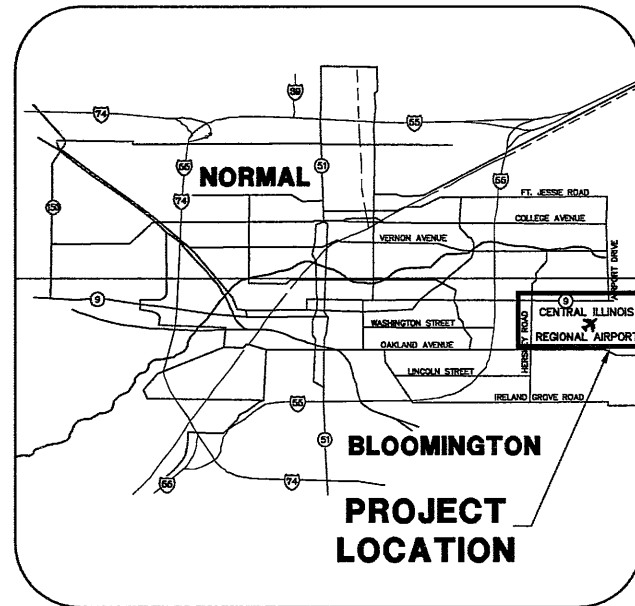
IL. PROJ. NO. BMI-3773
AIP PROJ. NO. 3-17-0006-XX

CONSTRUCT NEW SNOW REMOVAL EQUIPMENT (SRE) STORAGE FACILITY SITEWORK

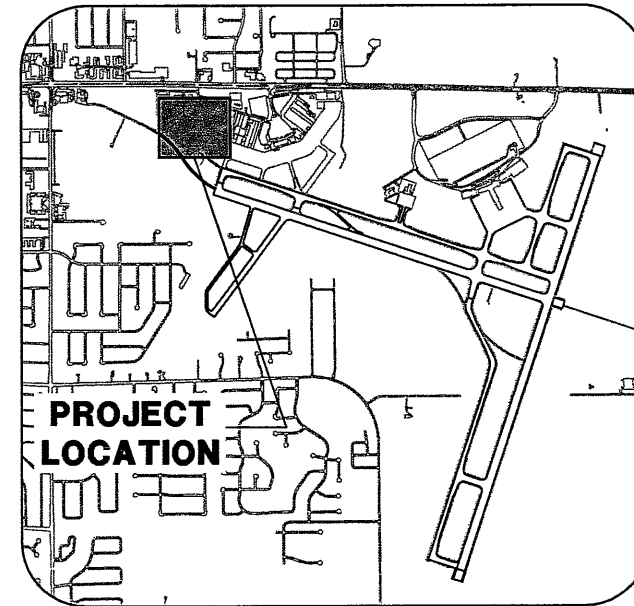
JUNE 19, 2009

6/19/09

Randall L. Vogel
EXP. 11/30/09




LOCATION MAP



SITE PLAN

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS
APPROVED *[Signature]*
EXECUTIVE DIRECTOR OF AVIATION
DATE

 **CMT**
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
■ SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
SUBMITTED BY *[Signature]*
DATE 6/19/09
CMT JOB NUMBER 07085-03-10

CALL J.U.L.I.E.
BEFORE EXCAVATING
1-800-892-0123
TOWNSHIP: 23 NORTH
RANGE: 2 EAST OF THE 4th P.M.
SECTION: 1
COUNTY: McLEAN
CIVIL TOWNSHIP: OLD TOWN

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PLOT DATE: 6/24/2009 9:45 AM

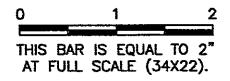
Summary Of Quantities			
Item No.	Item Description	Unit	Quantity
Base Bid			
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1
AR151420	CLEARING TREES 0-2.5' BUTT. DIA.	EACH	4
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	12000
AR152419	UNCLASSIFIED DISPOSAL OFFSITE	C.Y.	1380
AR800308	EXPLORATORY EXCAVATION	EACH	4
AR156510	SILT FENCE	L.F.	1815
AR156520	INLET PROTECTION	EACH	4
AR156543	RIPRAP-GRADATION NO. 3	S.Y.	370
AR201503	BITUMINOUS BASE COURSE - 3"	S.Y.	930
AR201504	BITUMINOUS BASE COURSE - 4"	S.Y.	5130
AR209604	CRUSHED AGG. BASE COURSE - 4"	S.Y.	1000
AR209608	CRUSHED AGG. BASE COURSE - 8"	S.Y.	5416
AR401502	BITUMINOUS SURFACE COURSE - 2"	S.Y.	6055
AR401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	1500
AR501604	4" PCC SIDEWALK	S.F.	1060
AR501900	REMOVE PCC PAVEMENT	S.Y.	290
AR602510	BITUMINOUS PRIME COAT	GAL	2569
AR603510	BITUMINOUS TACK COAT	GAL	605
AR620510	PAVEMENT MARKING	S.F.	150
AR162508	CLASS E FENCE 8'	L.F.	415
AR162900	REMOVE CLASS E FENCE	L.F.	215
AR162962	RELOCATE GATE - 24'	EACH	1
AR701008	8" PVC STORM SEWER	L.F.	400
AR701512	12" RCP, CLASS IV	L.F.	290
AR701515	15" RCP, CLASS IV	L.F.	275
AR701518	18" RCP, CLASS IV	L.F.	65
AR701524	24" RCP, CLASS IV	L.F.	45
AR701900	REMOVE PIPE	L.F.	170
AR800382	PAVEMENT REMOVAL AND REPLACEMENT	S.Y.	62
AR751411	INLET-TYPE A	EACH	2
AR751412	INLET-TYPE B	EACH	2
AR752408	PRECAST REINFORCED CONC. FES 8"	EACH	1
AR752412	PRECAST REINFORCED CONC. FES 12"	EACH	1
AR752415	PRECAST REINFORCED CONC. FES 15"	EACH	5
AR752418	PRECAST REINFORCED CONC. FES 18"	EACH	2
AR752424	PRECAST REINFORCED CONC. FES 24"	EACH	2
AR754410	COMB CONCRETE CURB & GUTTER	L.F.	140
AR754610	PAVED DITCH	L.F.	875
AR760306	6" WATER MAIN	L.F.	300
AR760800	FIRE HYDRANT	EACH	1
AR760830	WATER VALVE	EACH	1
AR760840	IRON FITTINGS	LB.	705
AR760900	REMOVE WATER MAIN	L.F.	225
AR800271	PRESSURE TESTING OF WATERMAIN	L.S.	1
AR800272	DISINFECTION OF WATERMAIN	L.S.	1
AR800299	VALVE INDICATOR POST	EACH	1
AR770508	8" SANITARY SEWER	L.F.	145
AR800276	LEAKAGE TESTING	L.F.	145
AR901510	SEEDING	ACRE	4.5
AR904510	SODDING	S.Y.	100
AR908510	MULCHING	ACRE	4.5
AR908520	EXCELSIOR BLANKET	S.Y.	2500
AR910110	RDWY LIGHT POLE W/FIXTURE	EACH	1
AR910200	ROADWAY SIGN	EACH	2
AR910420	BOLLARD	EACH	12
AR110201	1" PVC DUCT, DIRECT BURY	L.F.	105
AR110202	2" PVC DUCT, DIRECT BURY	L.F.	60
AR110204	4" PVC DUCT, DIRECT BURY	L.F.	365
AR800231	INSTALL UTILITY PAD	EACH	1
ADDITIVE ALTERNATE #1			
AS201504	BITUMINOUS BASE COURSE - 4"	S.Y.	195
AS209608	CRUSHED AGGREGATE BASE COURSE - 8"	S.Y.	214
AS401502	BITUMINOUS SURFACE COURSE - 2"	S.Y.	195
AS602510	BITUMINOUS PRIME COAT	GAL	86
AS603510	BITUMINOUS TACK COAT	GAL	20
AS162508	CLASS E FENCE 8'	L.F.	50

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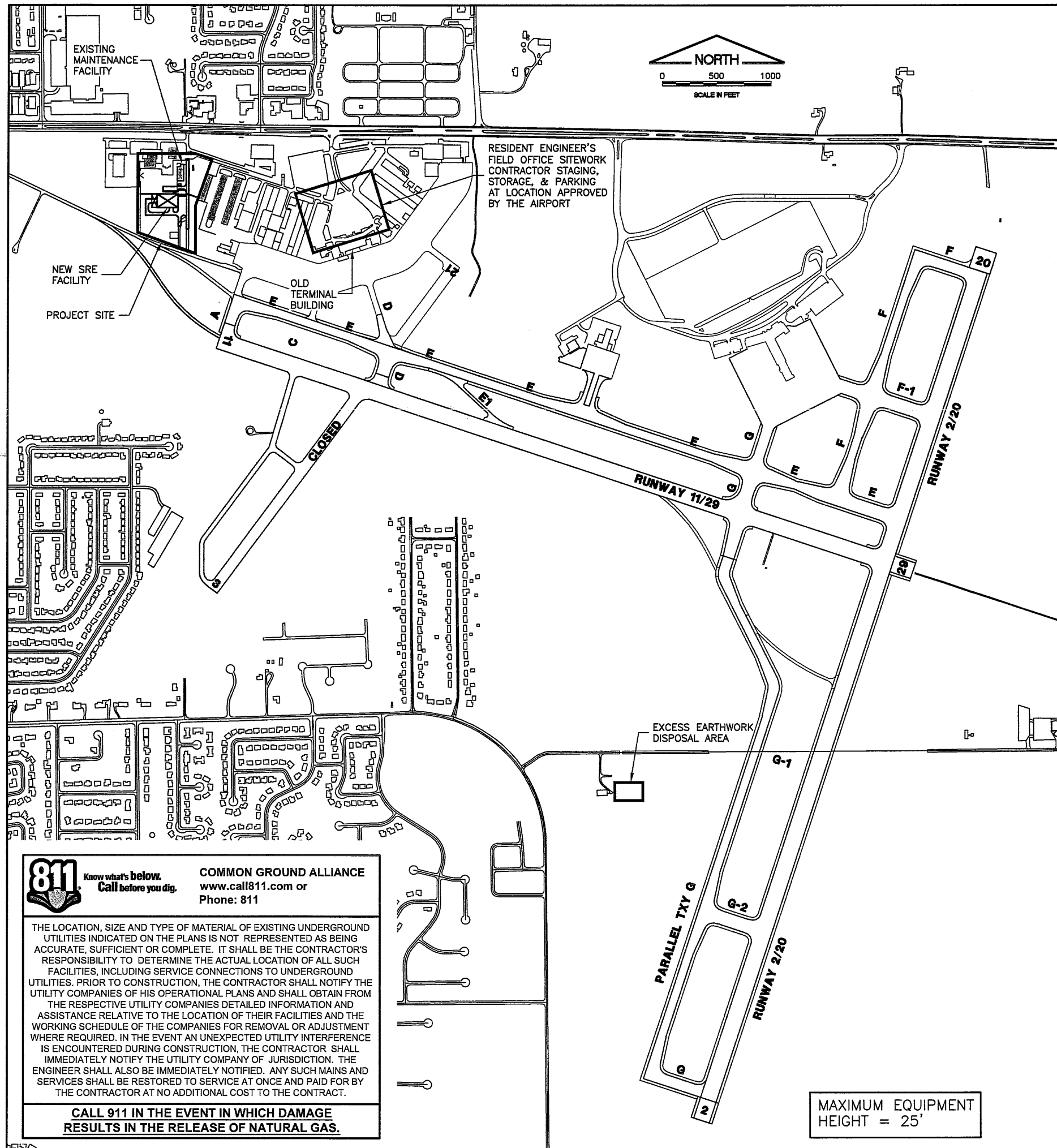
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BLOOMINGTON-NORMAL AIRPORT AUTHORITY
CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS
CONSTRUCT SRE STORAGE FACILITY SITENWORK
INDEX TO SHEETS AND SUMMARY OF QUANTITIES

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DRAWN BY:	CMT
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DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006-XX
SHEET	2 OF 44 SHEETS



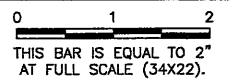
GENERAL NOTES

1. ALL RUNWAYS, TAXIWAYS, AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THE CONSTRUCTION ACTIVITY PLAN.
2. ALL CONSTRUCTION TRAFFIC OPERATING ON OR CROSSING RUNWAYS, TAXIWAYS, AND APRONS OPEN TO AIRCRAFT SHALL BE UNDER CONTROL OF A FLAGMAN IN RADIO CONTACT WITH FAA AIR TRAFFIC CONTROL TOWER PERSONNEL AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE HIS OWN RADIOS.
3. WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT DIRECTOR.
4. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS AT THE LOCATIONS SHOWN.
5. BROKEN CONCRETE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF AIRPORT PROPERTY.
6. VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED WITHIN AREAS 95' FROM THE CENTERLINE OF ACTIVE TAXIWAYS OR 250' FROM THE CENTERLINE OF ACTIVE RUNWAYS.
7. ALL PAVEMENTS, DRIVES, OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE AIRPORT. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR THIS WORK.
8. EXISTING TURF AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE AIRPORT.
9. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN ALL CONSTRUCTION AREAS WHICH WILL BE OPENED TO AIR TRAFFIC.
10. IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS SO AS TO AVOID ANY DAMAGE. ANY UTILITY, INCLUDING AIRFIELD ELECTRICAL CABLE AND LIGHTS, DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE IN A MANNER WHICH IS SATISFACTORY TO THE ENGINEER, THE AIRPORT AND TO THE OWNER OF THE UTILITY. ANY REPAIRS THAT MUST BE MADE BY THE OWNER OF THE UTILITY SHALL HAVE THE COST REIMBURSED TO THE UTILITY BY THE CONTRACTOR. AIRFIELD LIGHTING CABLES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY A QUALIFIED ELECTRICIAN WITH THE COSTS TO BE BORNE BY THE CONTRACTOR.
11. THE CONTRACTOR SHALL MAINTAIN A SECURE AIRFIELD PERIMETER WITH EXISTING, TEMPORARY, RELOCATED OR PERMANENT 6' TALL FENCE THROUGHOUT THE DURATION OF THE PROJECT.
12. CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
 - A. THE CONTRACTOR'S ACCESS TO THE WORK SHALL BE AS SHOWN IN THE PLANS.
 - B. THE CONTRACTOR SHALL COMPLETE A TEN YEAR CRIMINAL AND EMPLOYMENT BACKGROUND CHECK AND A SECURITY FORM FOR THE SUPERINTENDENTS AND SUPERVISING FOREMEN HE PROPOSES TO USE ON THE AIRPORT. THESE FORMS SHALL BE COMPLETED PRIOR TO THAT PERSON BEING ALLOWED ON THE AIRFIELD. A LIST OF PERSONNEL AUTHORIZED TO WORK ON THE AIRFIELD SHALL BE PROVIDED TO THE RESIDENT ENGINEER BY THE CONTRACTOR.
 - C. THE CONTRACTOR SHALL USE AN EXISTING GATE(S) FOR ACCESS TO THE AIRFIELD. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A HEAVY-DUTY PADLOCK ON THE ACCESS GATE. HE SHALL PROVIDE KEYS FOR THIS PADLOCK TO THE RESIDENT ENGINEER AND BNAA MAINTENANCE SUPERVISOR. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE RESIDENT ENGINEER.
 - D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ACCESS GATE(S) CLOSED DURING WORK HOURS. IF THE CONTRACTOR CHOOSES TO LEAVE THE GATE(S) OPEN, THEN HE SHALL POST A COMPETENT SECURITY GUARD TO PREVENT UNAUTHORIZED ENTRIES. THE CONTRACTOR SHALL REPLACE ANY UNSATISFACTORY SECURITY GUARDS IF SO DIRECTED.
 - E. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND TEMPORARY EASEMENTS FOR THE ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL TRAFFIC CONTROL SIGNAGE REQUIRED BY THE CITY, COUNTY, TOWNSHIP, OR I.D.O.T..
 - F. DURING ADVERSE WEATHER THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK SITE.
 - G. THE CONTRACTOR WILL CLOSE AND LOCK THE ACCESS GATE(S) UPON LEAVING THE SITE.
 - H. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - I. THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A WAY AS TO VIOLATE AIRSPACE SURFACES, OR RUNWAY AND TAXIWAY OBJECT FREE OR SAFETY AREAS.
 - J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ACTIVE AIRFIELD PAVEMENTS WHICH ARE CROSSED BY HIS VEHICLES ACCESSING THE WORK OR DEPARTING THE WORK IMMEDIATELY FOLLOWING SAID VEHICLE.

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BLOOMINGTON-NORMAL AIRPORT AUTHORITY
CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS
CONSTRUCT SRE STORAGE FACILITY SITEWORK
AIRPORT SITE PLAN

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SHEET 3 OF 44 SHEETS	

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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 THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL 911 IN THE EVENT IN WHICH DAMAGE RESULTS IN THE RELEASE OF NATURAL GAS.

MAXIMUM EQUIPMENT HEIGHT = 25'

GROUND CONTROL FREQUENCY - 121.65
 AIR CONTROL FREQUENCY - 124.60

MAXIMUM EQUIPMENT HEIGHT = 25'

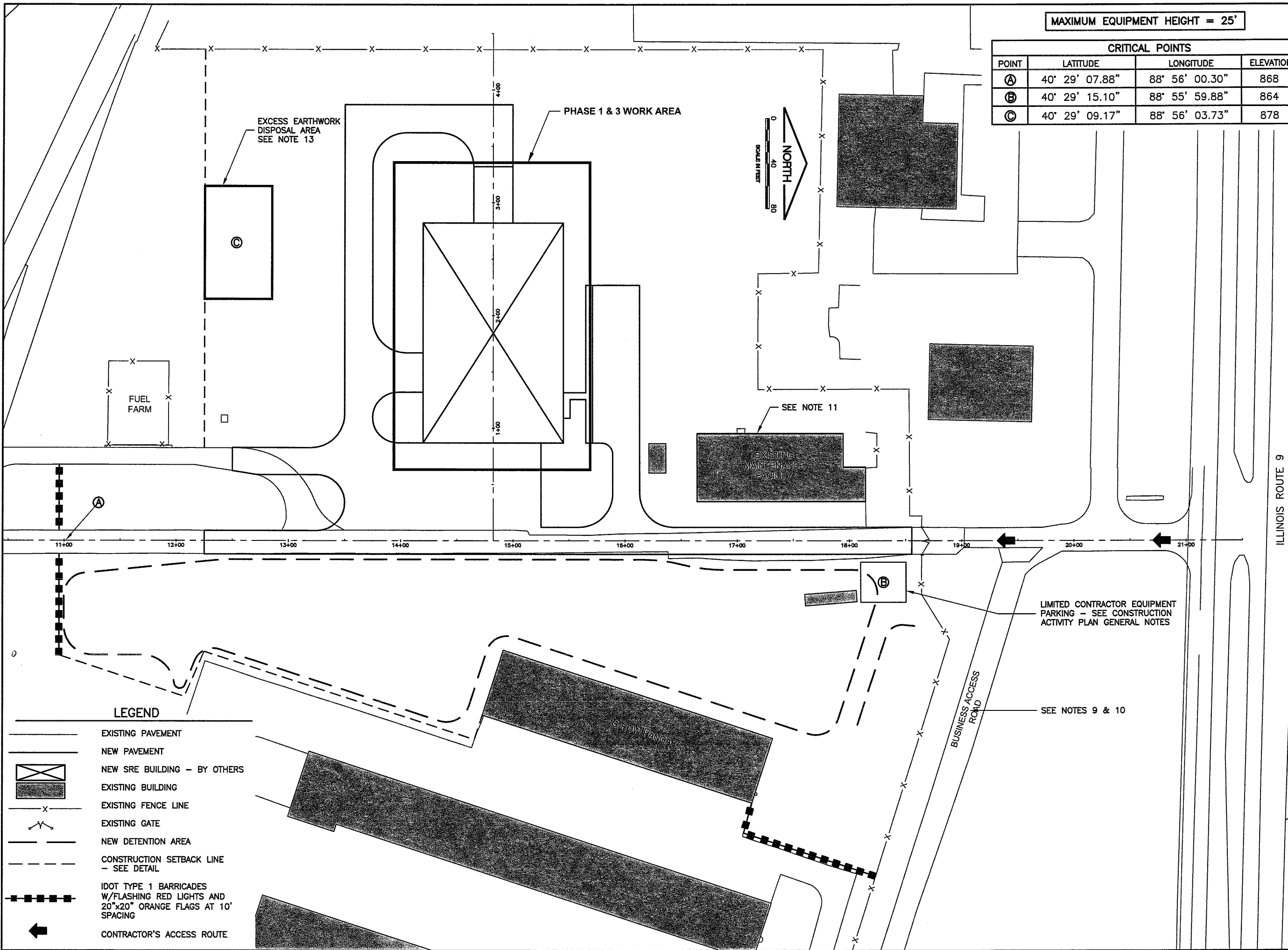
CRITICAL POINTS			
POINT	LATITUDE	LONGITUDE	ELEVATION
A	40° 29' 07.88"	88° 56' 00.30"	868
B	40° 29' 15.10"	88° 55' 59.88"	864
C	40° 29' 09.17"	88° 56' 03.73"	878

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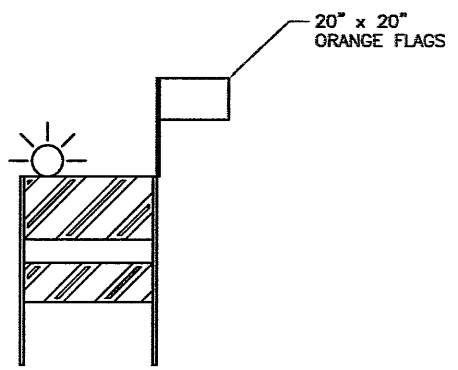
LEGEND

- EXISTING PAVEMENT
- NEW PAVEMENT
- NEW SRE BUILDING - BY OTHERS
- EXISTING BUILDING
- EXISTING FENCE LINE
- EXISTING GATE
- NEW DETENTION AREA
- CONSTRUCTION SETBACK LINE - SEE DETAIL
- IDOT TYPE 1 BARRICADES W/FLASHING RED LIGHTS AND 20"x20" ORANGE FLAGS AT 10' SPACING
- CONTRACTOR'S ACCESS ROUTE

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS
CONSTRUCT SRE STORAGE FACILITY SITWORK
CONSTRUCTION ACTIVITY PLAN

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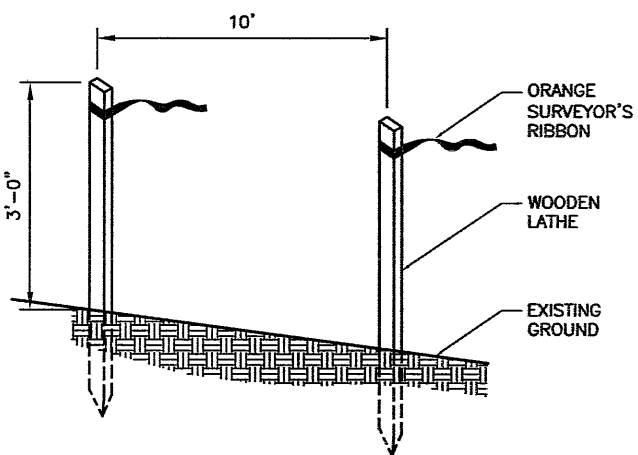
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AIP PROJ. NO.	3-17-0006
SHEET 4 OF 44 SHEETS	



FLASHER BARRICADE DETAIL
 N.T.S.

FLASHER BARRICADE NOTES

1. FLASHERS TO BE BATTERY OPERATED. LENS TO BE RED AND BE ABLE TO ROTATE 90 DEGREES.
2. SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR PROP BLAST.
3. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
4. PLACE AT 10' INTERVALS.



CONSTRUCTION SETBACK LINE DETAIL
 N.T.S.

CONSTRUCTION ACTIVITY PLAN NOTES - PHASE 1

1. THE CONTRACTOR SHALL PLACE ALL BARRICADES, CONSTRUCTION SETBACK LINES, AND EROSION CONTROL AS SHOWN PRIOR TO STARTING WORK ON THIS PHASE.
2. THE AIRPORT WILL REQUIRE 3 WORKING DAY NOTICE FROM THE CONTRACTOR PRIOR TO STARTING WORK IN THIS PHASE.
3. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED BUILDING PAD TO THE PROPOSED SUBGRADE ELEVATION TO PREPARE FOR THE PROPOSED BUILDING CONSTRUCTION. THE CONTRACTOR SHALL ALSO INSTALL THE UTILITY TRANSFORMER PAD & 4" PRIMARY ELECTRICAL CONDUIT IN PREPARATION FOR NEW UTILITY CABLING.
4. THE CONTRACTOR SHALL HAVE 21 CALENDAR DAYS TO COMPLETE THE EARTHWORK IN THE PHASE 1 WORK AREA.
5. ONCE THE CONTRACTOR HAS COMPLETED THE EARTHWORK IN THE PHASE 1 WORK AREA, THE AREA SHALL BE TURNED OVER TO THE BUILDING CONTRACTOR FOR ERECTION OF THE PROPOSED BUILDING.
6. THE CONTRACTOR MAY WORK CONCURRENTLY IN THE PHASE 2 WORK AREA PROVIDED THAT IT DOES NOT IMPACT THE PROGRESS OF THE PHASE 1 WORK OR THE CONSTRUCTION OF THE BUILDING.
7. UPON COMPLETION OF THE PHASE 1 EARTHWORK, THE SITE CONSTRUCTION AND CONTRACT TIME SHALL BE SUSPENDED UNTIL THE SPRING OF 2010 (ESTIMATED MAY, 2010) TO ALLOW BUILDING CONSTRUCTION.

CONSTRUCTION ACTIVITY PLAN NOTES - PHASE 2

1. THE PHASE 2 WORK AREA SHALL CONSIST OF THE AREA OUTSIDE THE PHASE 1 WORK AREA.
2. EXISTING ROADWAY REMOVAL AND UTILITY INSTALLATION SHALL NOT TAKE PLACE UNTIL SPRING 2010.

CONSTRUCTION ACTIVITY PLAN NOTES - PHASE 3

1. THIS PHASE SHALL BE AFTER THE CONTRACT SUSPENSION AND BEGIN AFTER THE BUILDING CONTRACTOR HAS COMPLETED THE MAJOR WORK ITEMS ASSOCIATED WITH THE CONSTRUCTION OF THE BUILDING SUCH AS STRUCTURAL STEEL ERECTION WITH CRANES, INSTALLATION OF THE BUILDING FACE, ETC.
2. IT IS ESTIMATED THAT THE CONTRACTOR WILL NOT BE ALLOWED TO START WORK ON THIS PHASE UNTIL MAY 2010.
3. IN THIS PHASE, THE CONTRACTOR SHALL CONSTRUCT THE REMAINING WORK ITEMS IN THE PHASE 1 WORK AREA WHICH WILL INCLUDE PAVING UP TO AND NEAR THE BUILDING.
4. PHASE 2 AND 3 MAY TAKE PLACE CONCURRENTLY.

PERIMETER FENCE NOTES

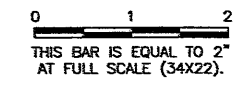
1. MAINTAINING THE SECURITY REQUIREMENTS OF THE AIRPORT SHALL BE A PRIMARY CONCERN FOR THE CONTRACTOR.
2. AT NO TIME ARE UNSUPERVISED GAPS OR OPENINGS PERMITTED IN THE AIRPORT FENCE LINE. IF THE PROPOSED WORK REQUIRES AN OPENING OR REMOVAL OF THE FENCE, THE CONTRACTOR SHALL PROVIDE A GUARD TO PREVENT UNAUTHORIZED ACCESS. THE CONTRACTOR SHALL RE-INSTALL THE FENCE AT THE COMPLETION OF THE WORK DAY.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING AIRPORT SECURITY BY SUPERVISING OPENINGS OR MAINTAINING THE AIRPORT PERIMETER FENCE LINE AT ALL TIMES DURING THE COURSE OF THE WORK.
4. PRIOR TO REMOVING A SEGMENT OF THE AIRPORT PERIMETER FENCE, THE PROPOSED FENCE SHALL BE ERECTED. THE FENCE SHALL BE ERECTED AT THE LOCATIONS SHOWN IN THE PLANS SO THE PERIMETER FENCE LINE IS ALWAYS CONTINUOUS AND THERE ARE NO OPENINGS OR BREAKS IN THE AIRPORT PERIMETER FENCE LINE.
5. FINES CAN BE LEVIED AGAINST THE CONTRACTOR BY THE TRANSPORTATION SECURITY ADMINISTRATION (TSA) FOR NEGLIGENCE IF THE AIRPORT SECURITY IS COMPROMISED AND THE AIRPORT PERIMETER FENCE LINE IS NOT MAINTAINED AS SPECIFIED ABOVE. FINES CAN ALSO BE LEVIED AGAINST THE CONTRACTOR FOR FAILURE TO COOPERATE WITH THE AIRPORT MANAGEMENT AS REQUIRED TO MAINTAIN AIRPORT SECURITY.

CONSTRUCTION ACTIVITY PLAN GENERAL NOTES

1. DUE TO CIRCUMSTANCES OUTSIDES THE AIRPORT'S CONTROL, IT IS NECESSARY FOR THE SITEMARK AND BUILDING CONSTRUCTION TO TAKE PLACE CONCURRENTLY IN ORDER TO MEET THE ULTIMATE REQUIREMENTS OF THE PROJECT. AS A RESULT, IT WILL BE NECESSARY FOR THE CONTRACTORS, IN CONJUNCTION WITH THE AIRPORT AND THE UTILITY PROVIDERS, TO COOPERATE IN A MANNER THAT ALLOWS THE PROJECT TO PROCEED IN THE MOST EFFICIENT MANNER POSSIBLE GIVEN THE CONSTRAINTS OF WORK SITE.
2. THE CONTRACTOR SHALL PLAN AND CONDUCT HIS WORK SO AS TO NOT INTERFERE OR HINDER THE PROGRESS OR WORK BEING PERFORMED BY OTHER CONTRACTORS.
3. THE TIMELY PROSECUTION OF THE OVERALL PROJECT IS DEPENDENT UPON THE PROPER COORDINATION BETWEEN CONTRACTORS.
4. IT SHALL BE FULLY UNDERSTOOD BY THE CONTRACTOR THAT THE PROSECUTION OF THE OVERALL PROJECT ARE THE GOVERNING CRITERIA FOR RESOLVING CONFLICTS WHICH MAY ARISE BETWEEN HIS SCHEDULE AND THE SCHEDULE OF OTHER CONTRACTORS.
5. WHEN CONFLICTS ARISE, RESOLUTION OF SUCH CONFLICTS WILL BE MADE BY THE AIRPORT THROUGH THE RESIDENT ENGINEER IN THE BEST INTEREST OF THE AIRPORT AND THE PROJECT.
6. DELAYS, CHANGES IN SCHEDULING OR THE EXPEDITION OF WORK UNDER THIS CONTRACT TO PROVIDE FOR THE TIMELY PROSECUTION OF THE PROJECT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. THE CONTRACTOR SHALL NOT IMPEDE OR OBSTRUCT THE BUILDING CONTRACTOR'S ACCESS TO THE PROPOSED BUILDING PERIMETER AND WORK AREAS.
8. DUE TO THE LIMITED AVAILABLE SPACE, THE CONTRACTOR WILL BE PROVIDED A DESIGNATED AREA AT THE OLD TERMINAL COMPLEX FOR EMPLOYEE PARKING, STAGING AND STORAGE.
9. VEHICLE ACCESS ON THIS ROAD SHALL BE MAINTAINED THROUGH OUT THE PROJECT.
10. WORK REQUIRING THE CLOSURE OF THIS ROAD SHALL OCCUR ON A SATURDAY OR SUNDAY.
11. THE CONTRACTOR SHALL BE AWARE THAT DAILY OPERATION WILL CONTINUE OUT OF THE EXISTING MAINTENANCE FACILITY THROUGHOUT THIS PROJECT. AS A RESULT, DAILY COORDINATION WILL BE NECESSARY TO LIMIT DISRUPTION TO AIRPORT AND CONTRACTOR OPERATIONS.
12. THE ENGINEER'S FIELD OFFICE WILL BE PLACED AT THE OLD TERMINAL COMPLEX IN A LOCATION AGREEABLE TO THE AIRPORT, ENGINEER AND CONTRACTOR.
13. APPROXIMATELY 100' x 60' x 10' HIGH AREA SHALL BE AVAILABLE AT THIS LOCATION FOR EXCESS EARTHWORK. THE REMAINDER OF THE EXCESS EARTHWORK SHALL BE STOCKPILED AT THE LOCATION SHOWN ON THE AIRPORT SITE PLAN.

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BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS

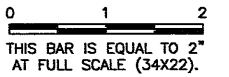
CONSTRUCT SRE STORAGE FACILITY SITEMARK
 CONSTRUCTION ACTIVITY PLAN NOTES & DETAILS

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APPROVED BY:	RLV
DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO. BMI-3773	
AIP PROJ. NO. 3-17-0006-XX	
SHEET	5 OF 44 SHEETS

BL066

REVISIONS		
NUMBER	BY	DATE



BLOOMINGTON-NORMAL AIRPORT AUTHORITY
CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS
CONSTRUCT SRE STORAGE FACILITY SITENWORK
LEGEND AND NOTES

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DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006-XX
SHEET	6 OF 44 SHEETS

LEGEND

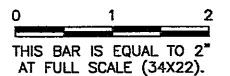
	NEW SRE BUILDING ADDITIVE ALTERNATE #1 (BY OTHERS)
	NEW SRE BUILDING (BY OTHERS)
	NEW PAVEMENT
	EXISTING TREE/EVERGREEN
	EXISTING TELEPHONE LINE
	EXISTING WATERMAIN
	EXISTING GRAVEL DRIVE
	EXISTING FUEL FARM LEASE LINE
	EXISTING PRIMARY ELECTRIC
	EXISTING TRANSFORMER
	EXISTING DITCHLINE
	EXISTING FENCE
	EXISTING GATE
	EXISTING CONTOUR
	EXISTING STORM SEWER
	EXISTING SANITARY MANHOLE
	EXISTING SANITARY SEWER
	EXISTING INLET
	EXISTING END SECTION
	EXISTING FIRE HYDRANT
	EXISTING GAS LINE
	EXISTING ELECTRICAL MANHOLE
	EXISTING LIGHT POLE
	EXISTING BOLLARD
	EXISTING ROADWAY SIGN
	EXISTING TELEPHONE PEDESTAL
	EXISTING BUILDING
	REMOVAL
	REMOVE AND RELOCATE
	ADJUST
	PAVEMENT REMOVAL
	REMOVAL
	SOIL BORING
	EXISTING JUNCTION BOX
	GUARD RAIL POST
	EXISTING BITUMINOUS MILLINGS
	EXPLORATORY EXCAVATION

THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, THE DIVISION, NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER, AND THE RESIDENT ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.

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NUMBER	BY	DATE



**BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS**

**CONSTRUCT SRE STORAGE FACILITY SITEWORK
 PROPOSED IMPROVEMENTS**

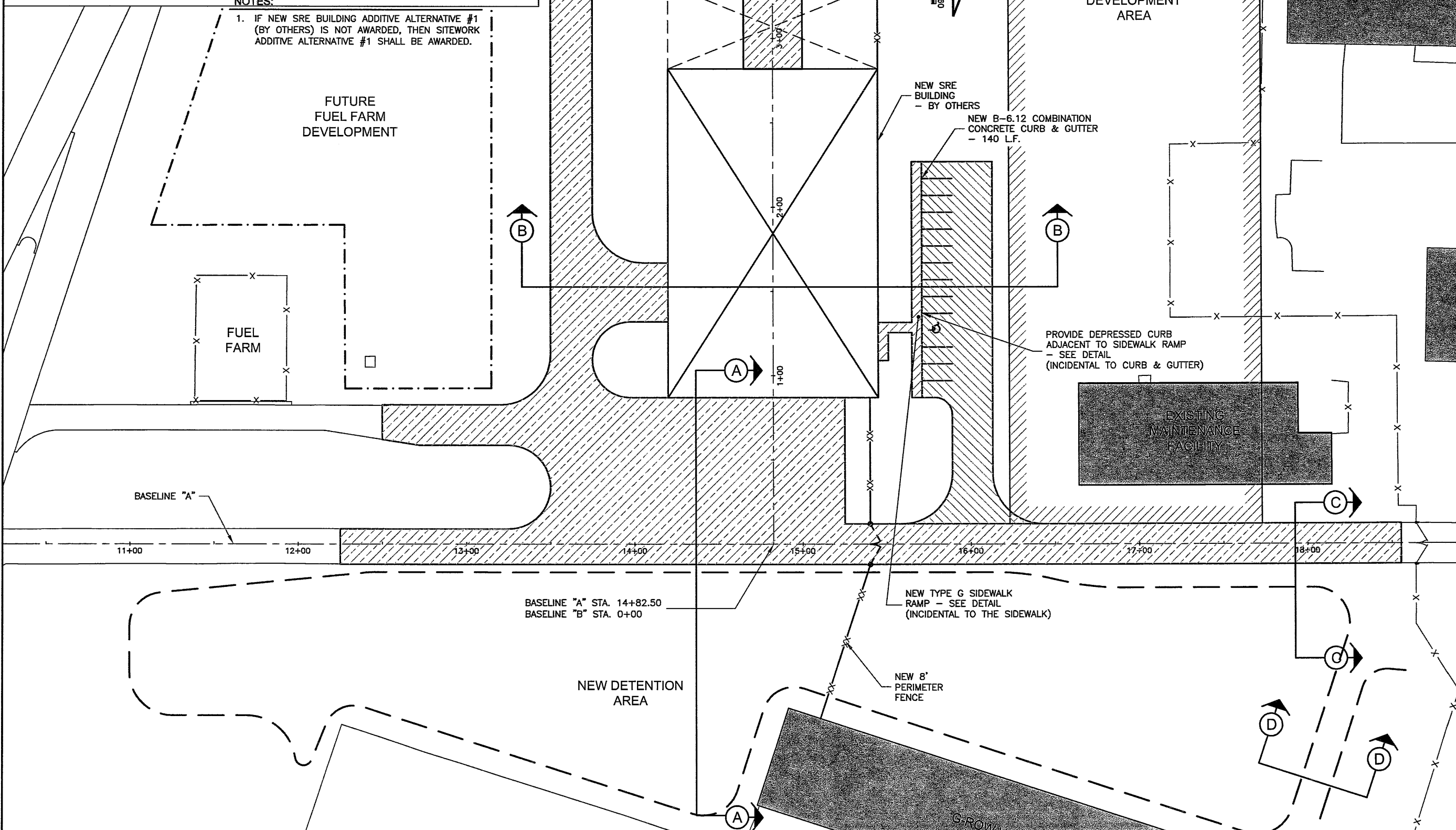
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APPROVED BY:	<i>RLW</i>
DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006-XX
SHEET 8 OF 44 SHEETS	

LEGEND

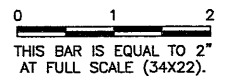
	EXISTING PAVEMENT		NEW SRE BUILDING - BY OTHERS
	NEW PAVEMENT		NEW SRE BUILDING ADDITIVE ALTERNATE #1 - BY OTHERS
	EXISTING FENCE		NEW 2" BIT. SURFACE COURSE (401) 4" BITUMINOUS BASE COURSE (201) 8" CRUSHED AGG. BASE COURSE (209)
	NEW FENCE		NEW 2" BIT. SURFACE COURSE (401) 3" BITUMINOUS BASE COURSE (201) 4" CRUSHED AGG. BASE COURSE (209)
	EXISTING GATE		NEW 4" P.C.C. (501) SIDEWALK
	NEW GATE		NEW DETENTION AREA
	FUTURE FUEL FARM AREA		
	EXISTING BUILDING		

NOTES:
 1. IF NEW SRE BUILDING ADDITIVE ALTERNATE #1 (BY OTHERS) IS NOT AWARDED, THEN SITEWORK ADDITIVE ALTERNATE #1 SHALL BE AWARDED.



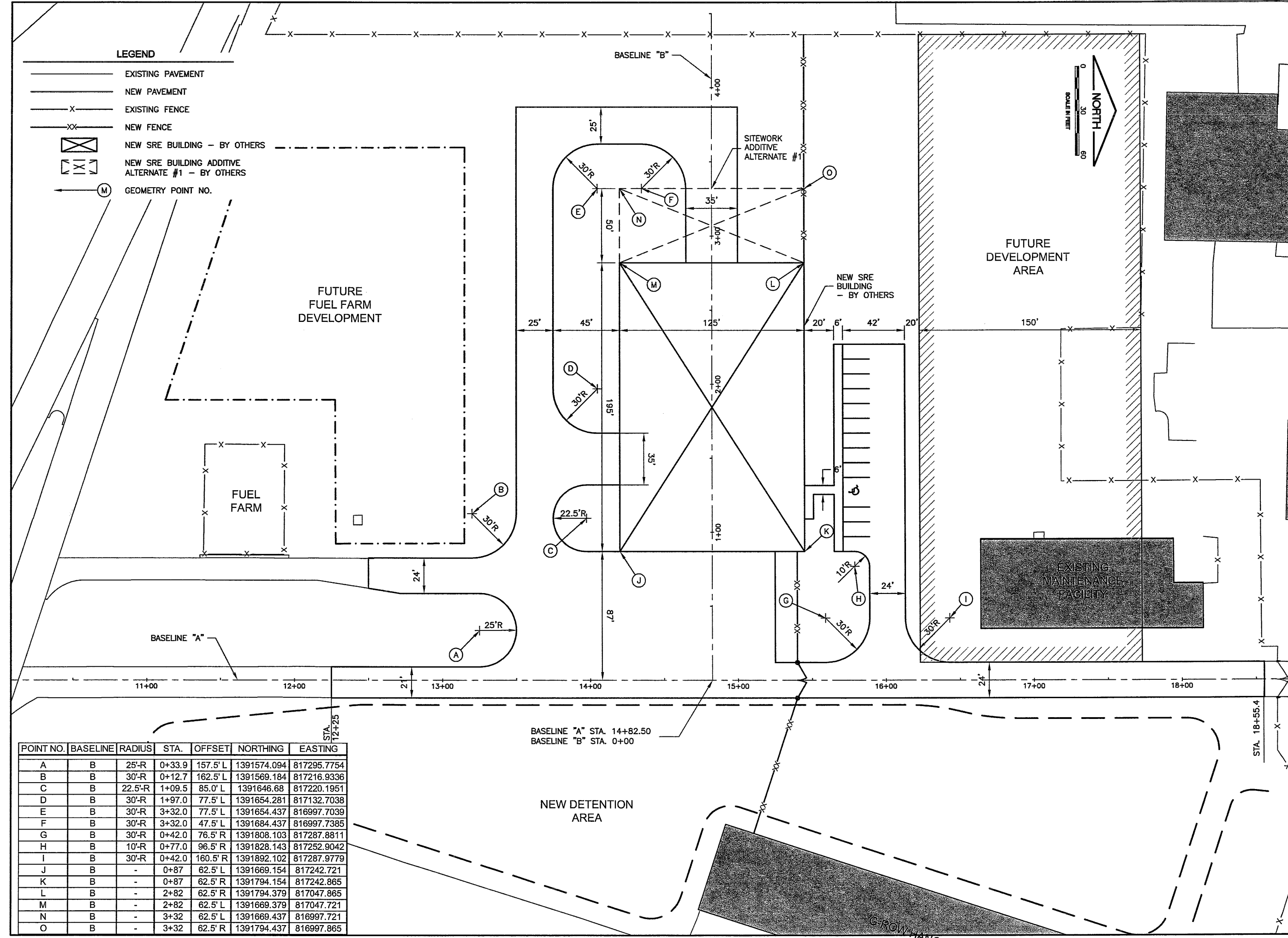
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REVISIONS		
NUMBER	BY	DATE



LEGEND

- EXISTING PAVEMENT
- NEW PAVEMENT
- EXISTING FENCE
- NEW FENCE
- NEW SRE BUILDING - BY OTHERS
- NEW SRE BUILDING ADDITIVE ALTERNATE #1 - BY OTHERS
- GEOMETRY POINT NO.



BLOOMINGTON-NORMAL AIRPORT AUTHORITY
CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS

CONSTRUCT SRE STORAGE FACILITY SITWORK
PROPOSED GEOMETRY

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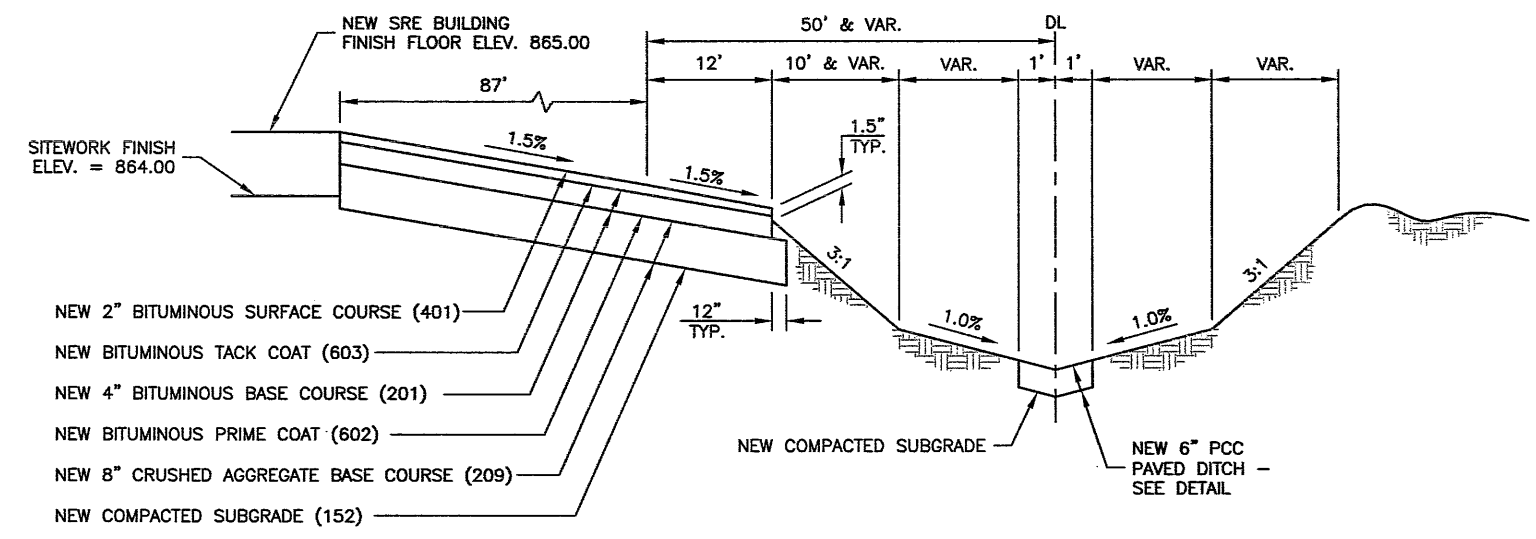
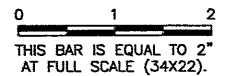
DESIGN BY:	RLV
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APPROVED BY:	<i>RLV</i>
DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006-XX
SHEET	9 OF 44 SHEETS

POINT NO.	BASELINE	RADIUS	STA.	OFFSET	NORTHING	EASTING
A	B	25'-R	0+33.9	157.5' L	1391574.094	817295.7754
B	B	30'-R	0+12.7	162.5' L	1391569.184	817216.9336
C	B	22.5'-R	1+09.5	85.0' L	1391646.68	817220.1951
D	B	30'-R	1+97.0	77.5' L	1391654.281	817132.7038
E	B	30'-R	3+32.0	77.5' L	1391654.437	816997.7039
F	B	30'-R	3+32.0	47.5' L	1391684.437	816997.7385
G	B	30'-R	0+42.0	76.5' R	1391808.103	817287.8811
H	B	10'-R	0+77.0	96.5' R	1391828.143	817252.9042
I	B	30'-R	0+42.0	160.5' R	1391892.102	817287.9779
J	B	-	0+87	62.5' L	1391669.154	817242.721
K	B	-	0+87	62.5' R	1391794.154	817242.865
L	B	-	2+82	62.5' R	1391794.379	817047.865
M	B	-	2+82	62.5' L	1391669.379	817047.721
N	B	-	3+32	62.5' L	1391669.437	816997.721
O	B	-	3+32	62.5' R	1391794.437	816997.865

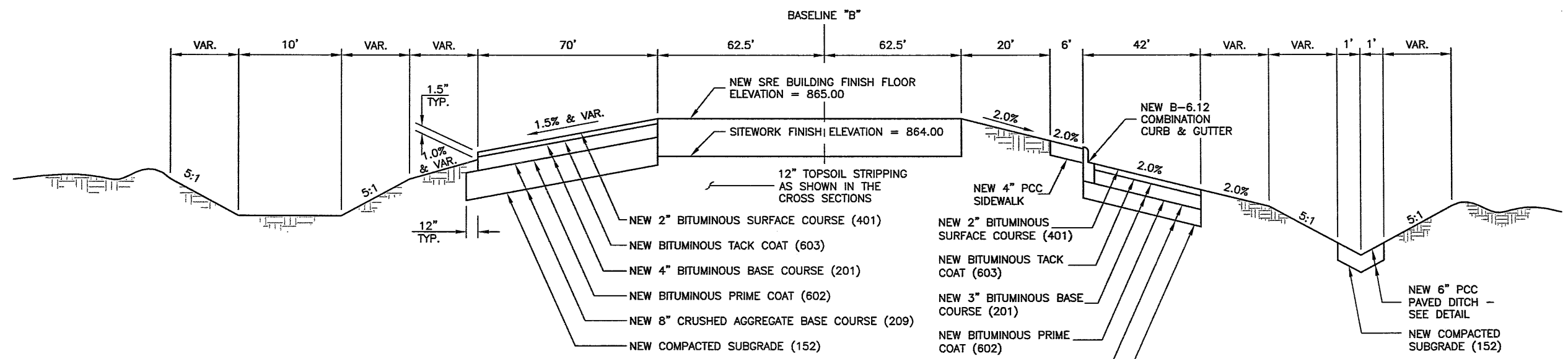
- NOTES:**
- SEE "PROPOSED IMPROVEMENTS" SHEET FOR TYPICAL SECTION LOCATIONS.
 - AGGREGATE BASE SHALL BE 12" WIDER THAN THE SURFACE.

BL066

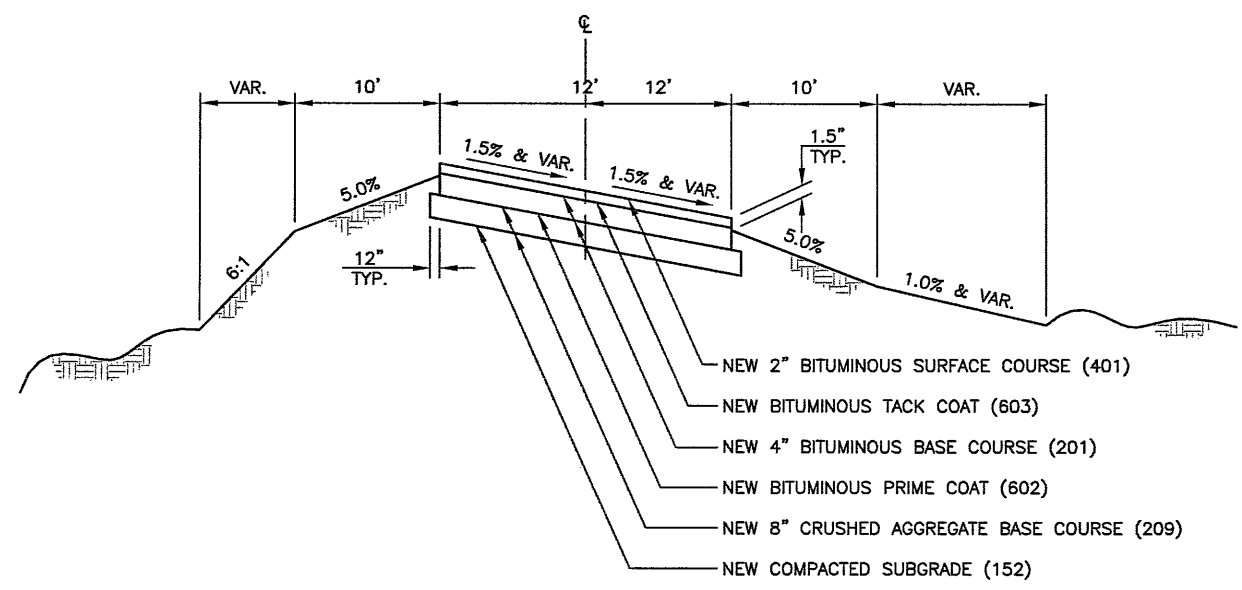
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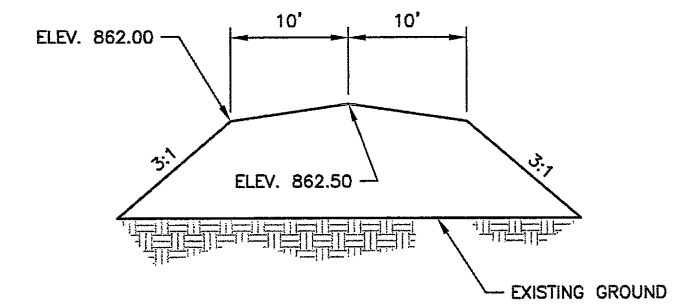
A SERVICE ROAD AND APRON TYPICAL SECTION **A**
 N.T.S.



B NEW BUILDING AND PARKING AREA TYPICAL SECTION **B**
 N.T.S.



C SERVICE ROAD TYPICAL SECTION **C**
 N.T.S.



D NEW DETENTION AREA EARTH BERM TYPICAL SECTION **D**
 N.T.S.

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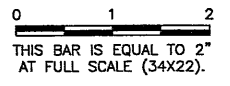
CONSTRUCT SRE STORAGE FACILITY SITEWORK
 TYPICAL SECTIONS

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DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO. BMI-3773	
AIP PROJ. NO. 3-17-0006-XX	
SHEET 10 OF 44 SHEETS	

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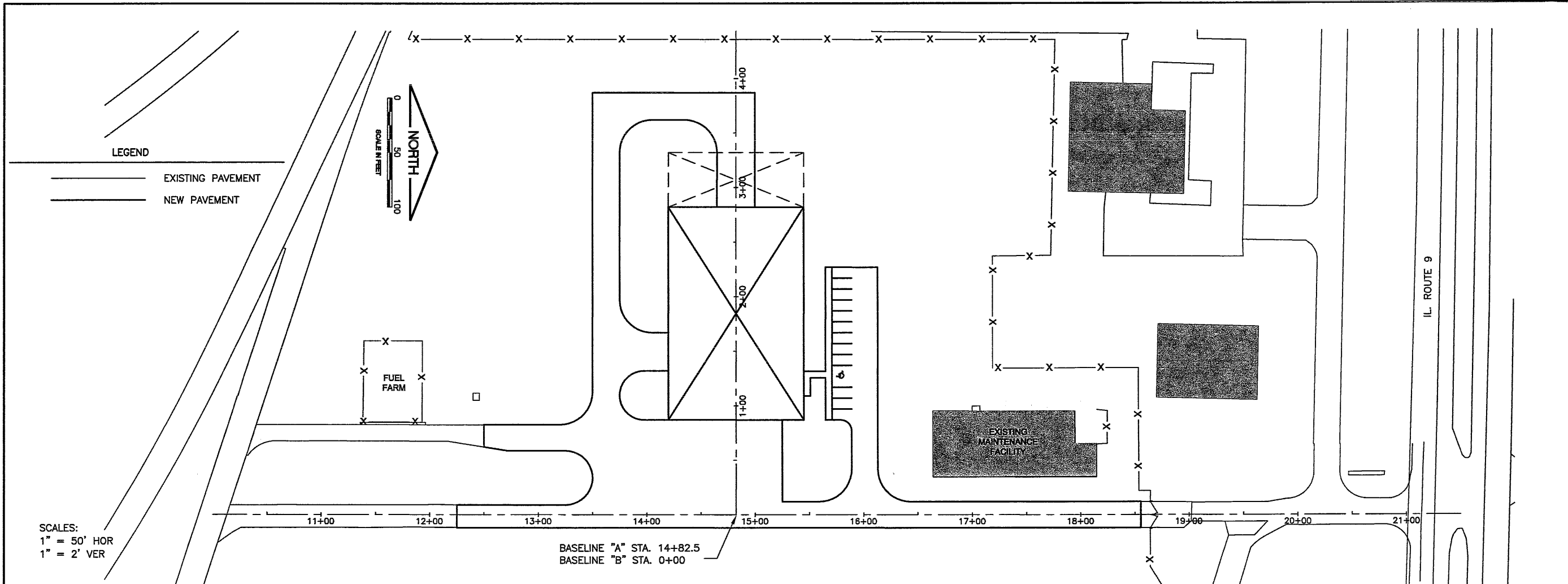
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BLOOMINGTON-NORMAL AIRPORT AUTHORITY
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BLOOMINGTON, ILLINOIS
CONSTRUCT SRE STORAGE FACILITY SITEWORK
SERVICE ROAD
PLAN & PROFILE

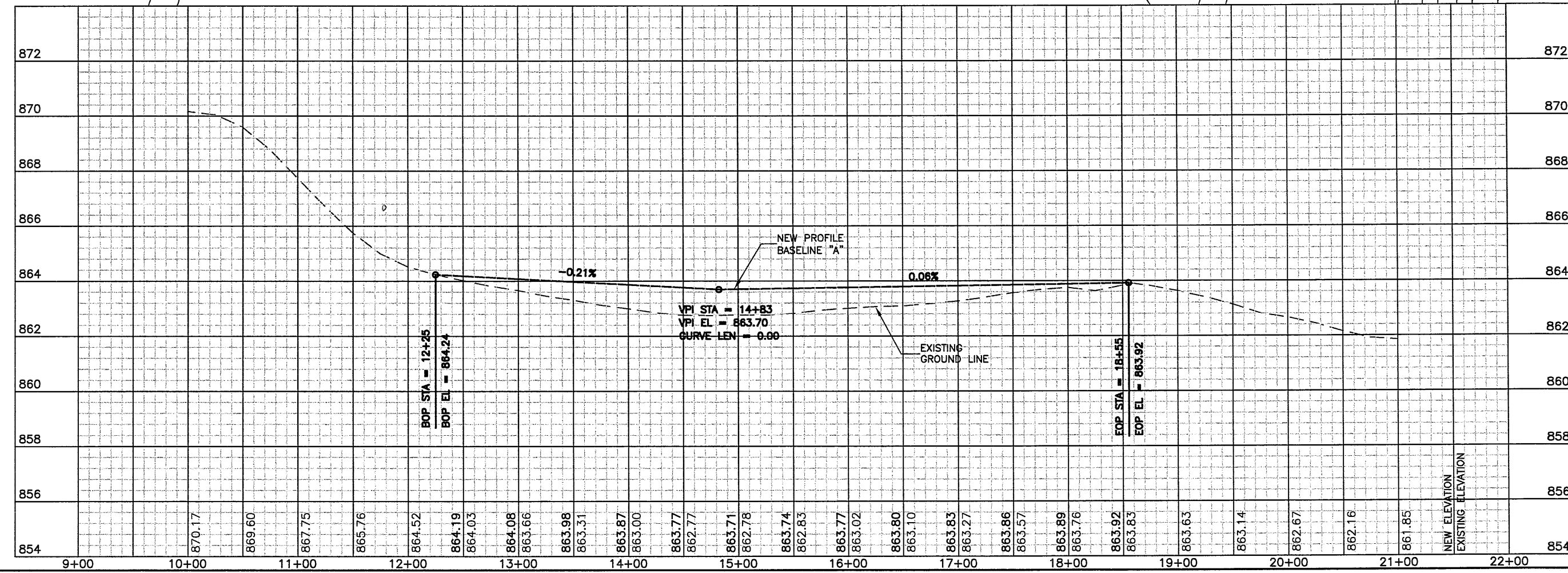
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SCALES:
 1" = 50' HOR
 1" = 2' VER

BASELINE "A" STA. 14+82.5
 BASELINE "B" STA. 0+00

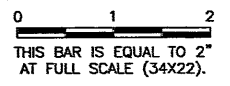


NEW ELEVATION
 EXISTING ELEVATION

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 CENTRAL ILLINOIS REGIONAL AIRPORT
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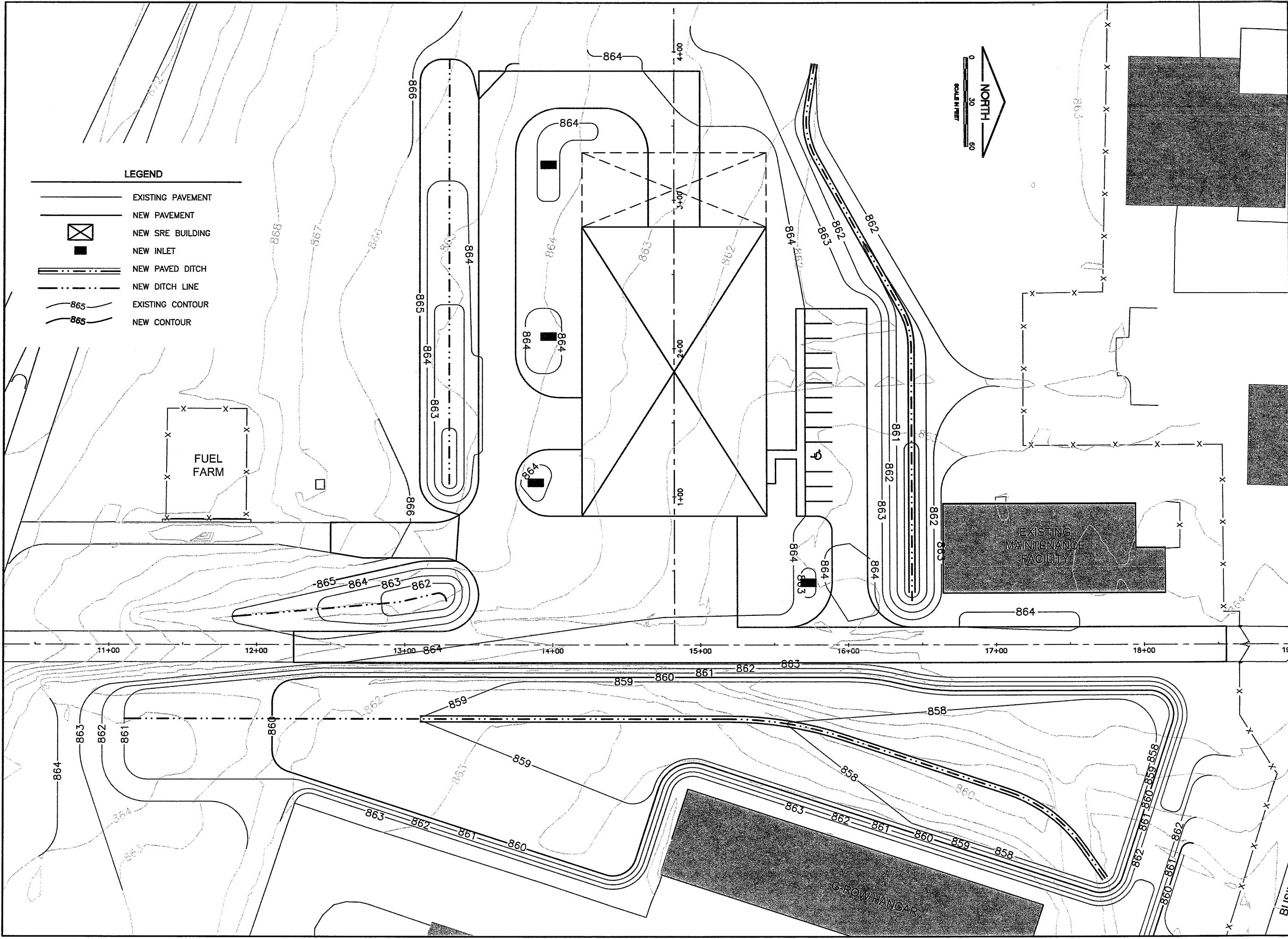
**CONSTRUCT SRE STORAGE FACILITY SITEWORK
 GRADING PLAN**

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SHEET	12 OF 44 SHEETS



LEGEND

- EXISTING PAVEMENT
- NEW PAVEMENT
- NEW SRE BUILDING
- NEW INLET
- NEW PAVED DITCH
- NEW DITCH LINE
- EXISTING CONTOUR
- NEW CONTOUR

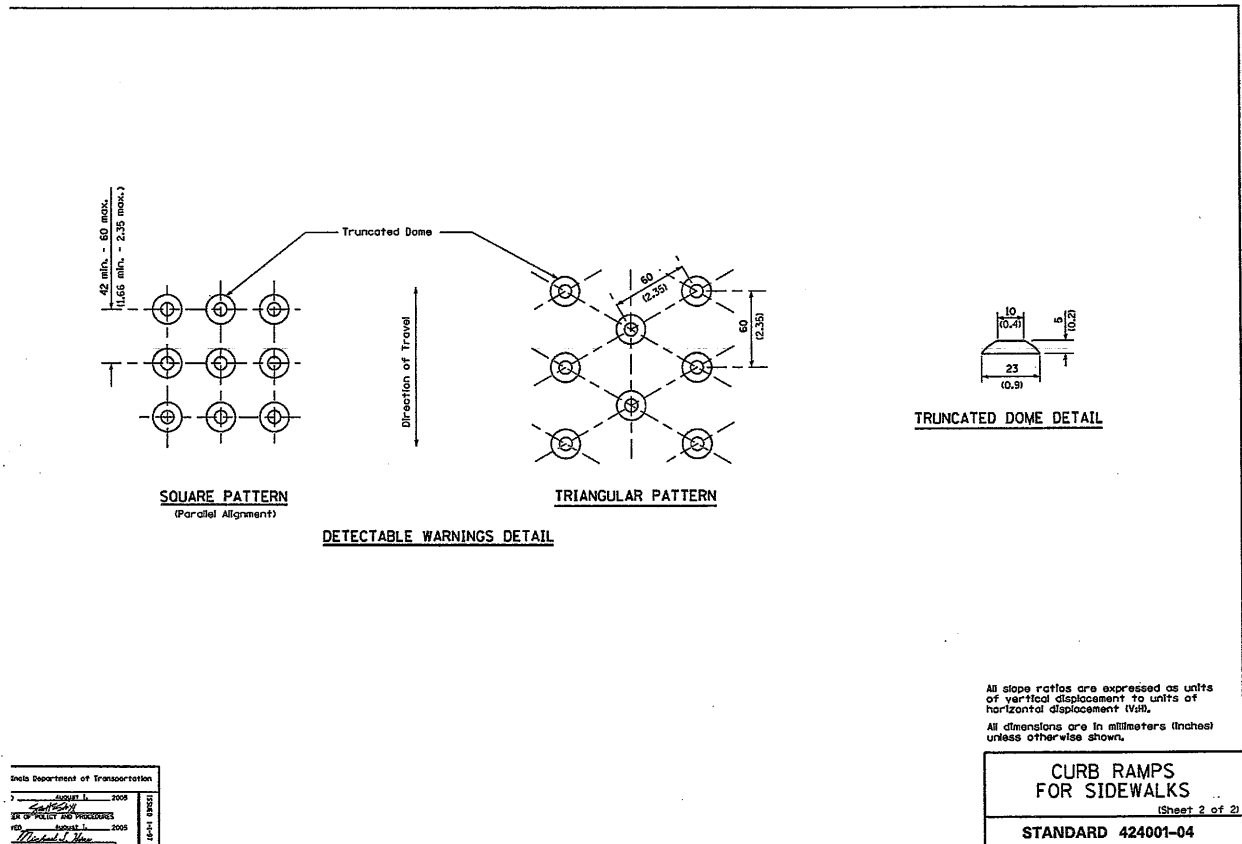
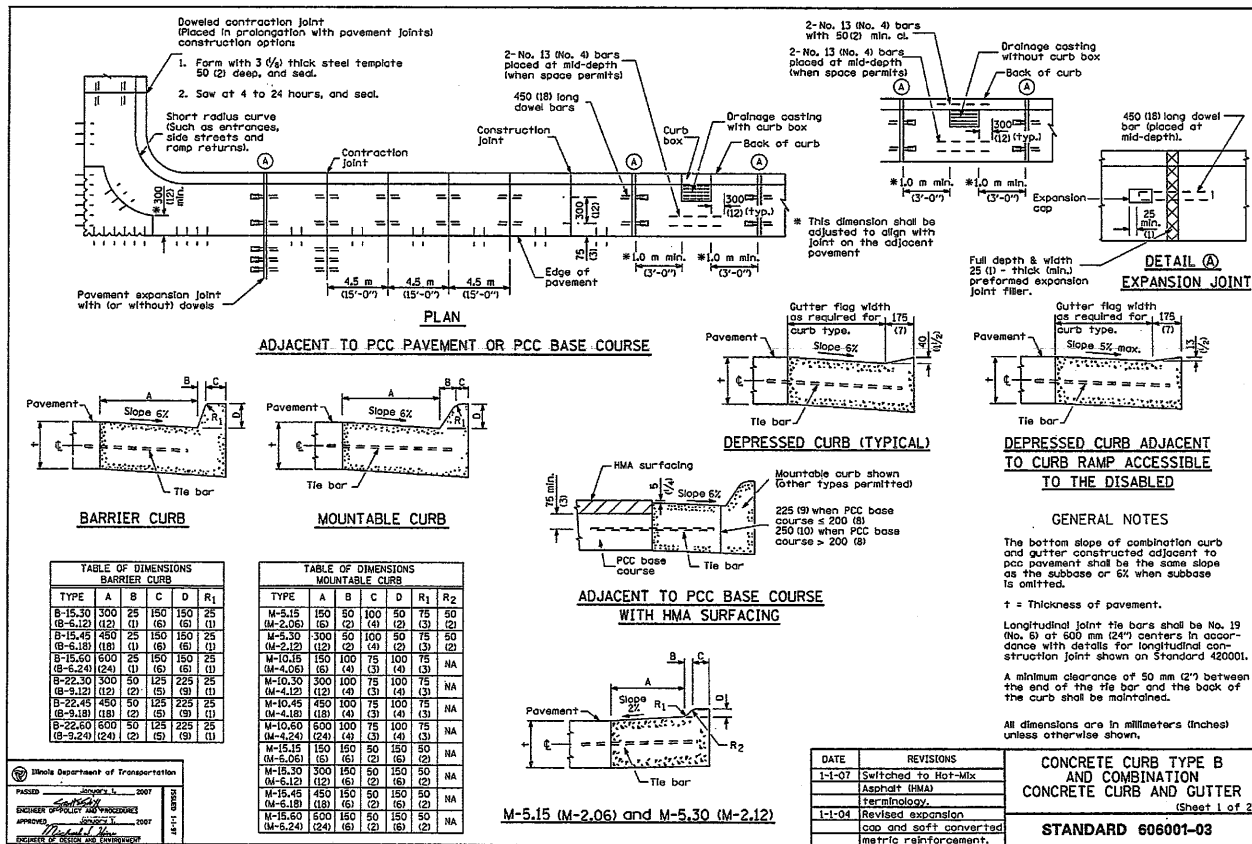
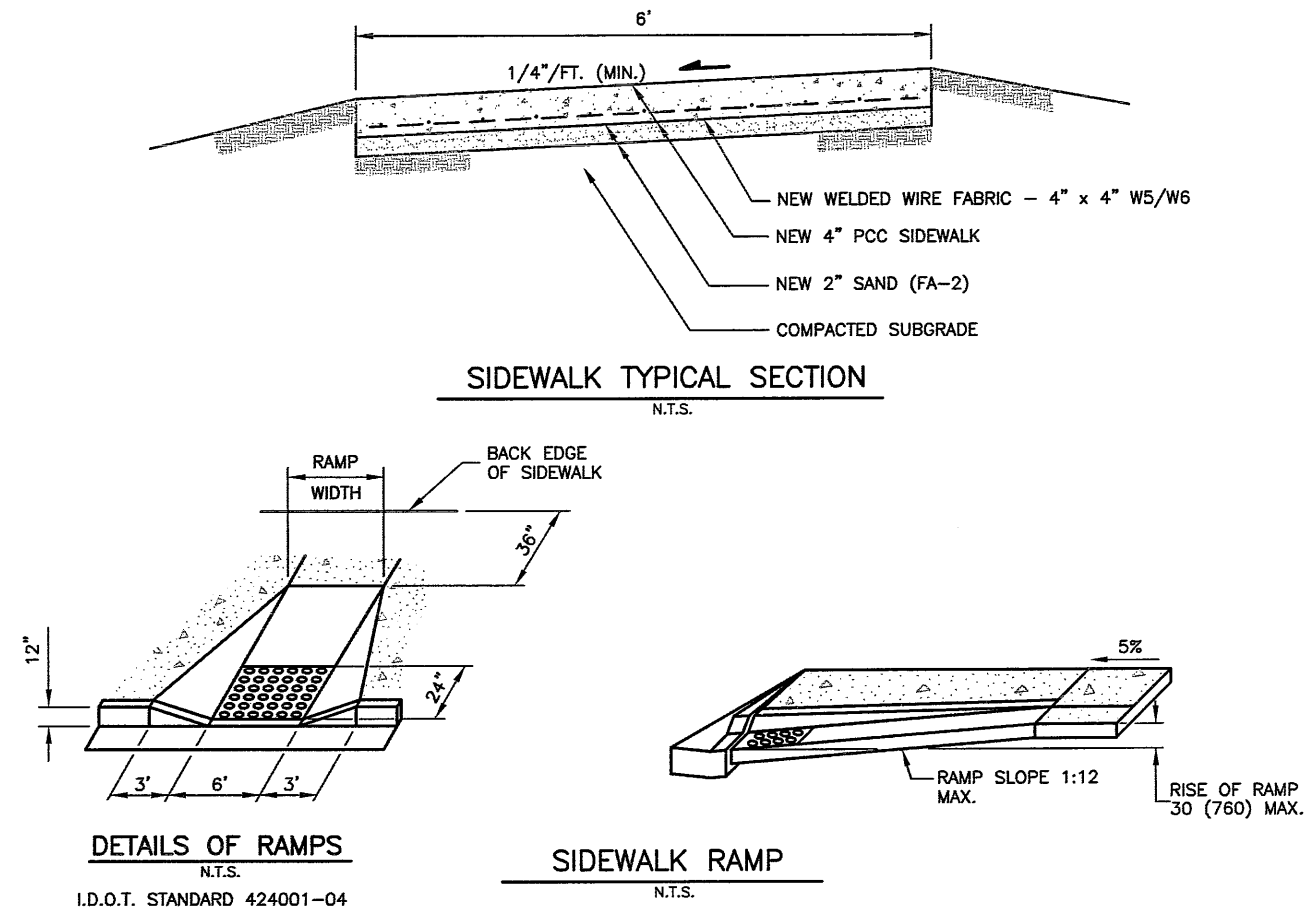
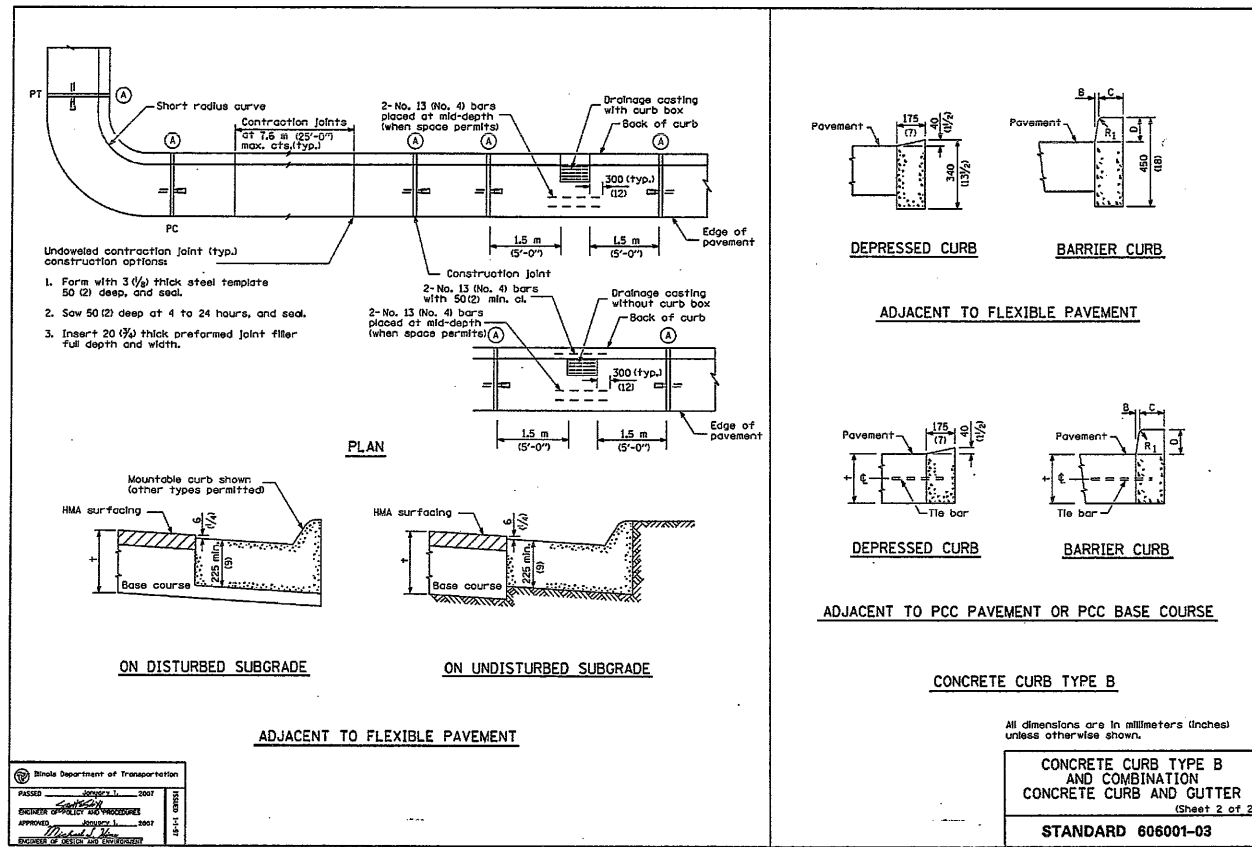
FUEL FARM

EXISTING MAINTENANCE FACILITY

G-ROW HANGAR

BUS LANE

NOTE: CURB & GUTTER CONTRACTION JOINTS SHALL MATCH THE LOCATION OF THE ADJACENT PCC PAVEMENT JOINTING.



K:\Bloomington\0708503_BMI_SRE\Draw\Sheets\Site
 FILE: PAVDET.dwg
 UPDATE BY: Dave Allen
 PLOT DATE: 6/15/2009 1:59 PM

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0 1 2
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

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**CONSTRUCT SRE STORAGE FACILITY SITEWORK
 PAVING & MISCELLANEOUS DETAILS**

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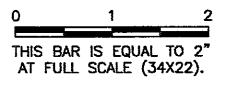
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 AIP PROJ. NO. 3-17-0006-XX

SHEET 14 OF 44 SHEETS

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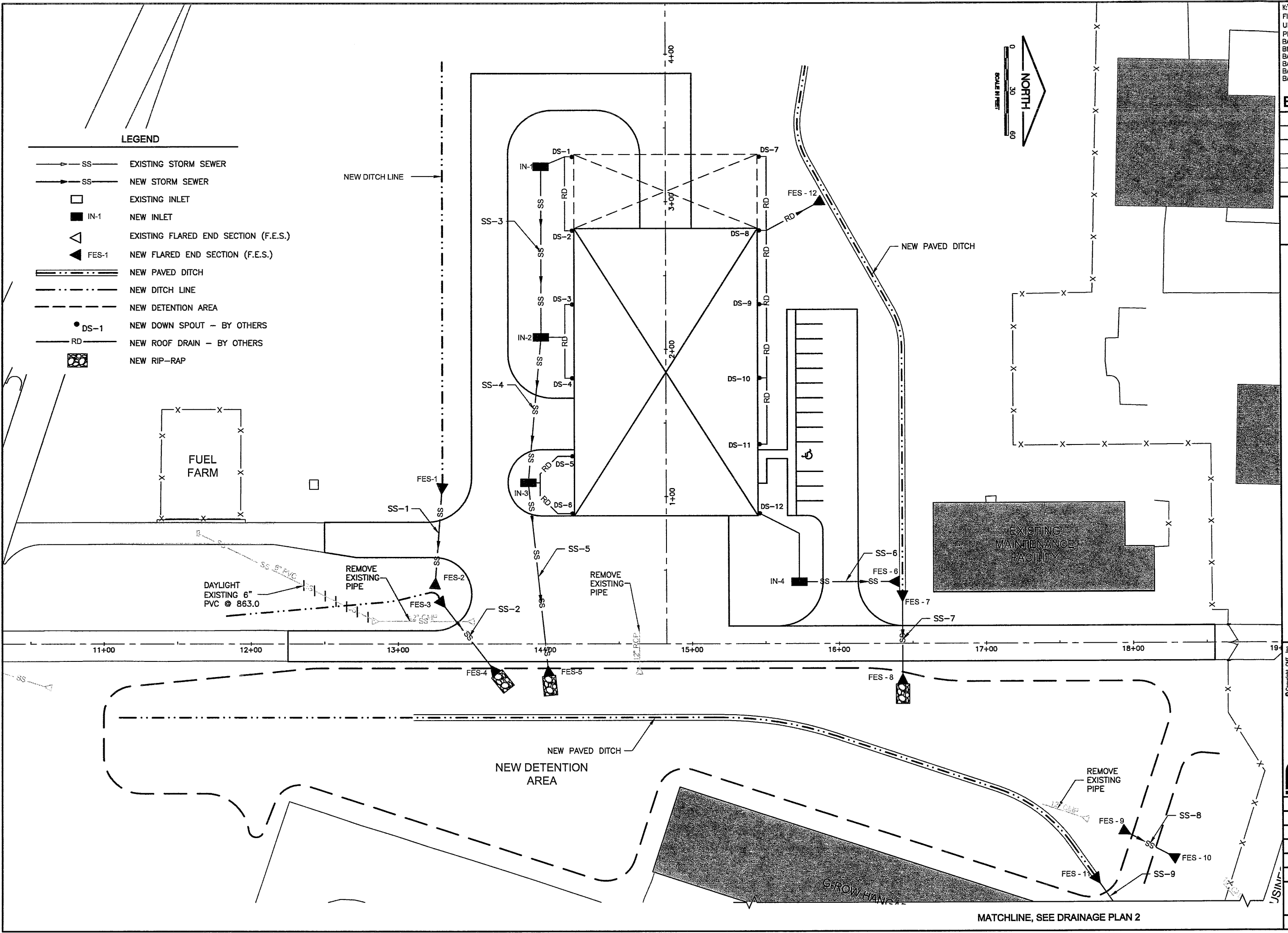
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 BLOOMINGTON, ILLINOIS**

**CONSTRUCT SRE STORAGE FACILITY SITework
 DRAINAGE PLAN 1**

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IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006-XX
SHEET	15 OF 44 SHEETS

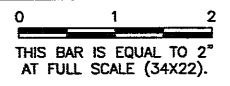
- LEGEND**
- SS — EXISTING STORM SEWER
 - SS — NEW STORM SEWER
 - EXISTING INLET
 - IN-1 NEW INLET
 - △ EXISTING FLARED END SECTION (F.E.S.)
 - ▲ FES-1 NEW FLARED END SECTION (F.E.S.)
 - NEW PAVED DITCH
 - - - NEW DITCH LINE
 - - - NEW DETENTION AREA
 - DS-1 NEW DOWN SPOUT - BY OTHERS
 - RD — NEW ROOF DRAIN - BY OTHERS
 - NEW RIP-RAP



MATCHLINE, SEE DRAINAGE PLAN 2

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NUMBER	BY	DATE

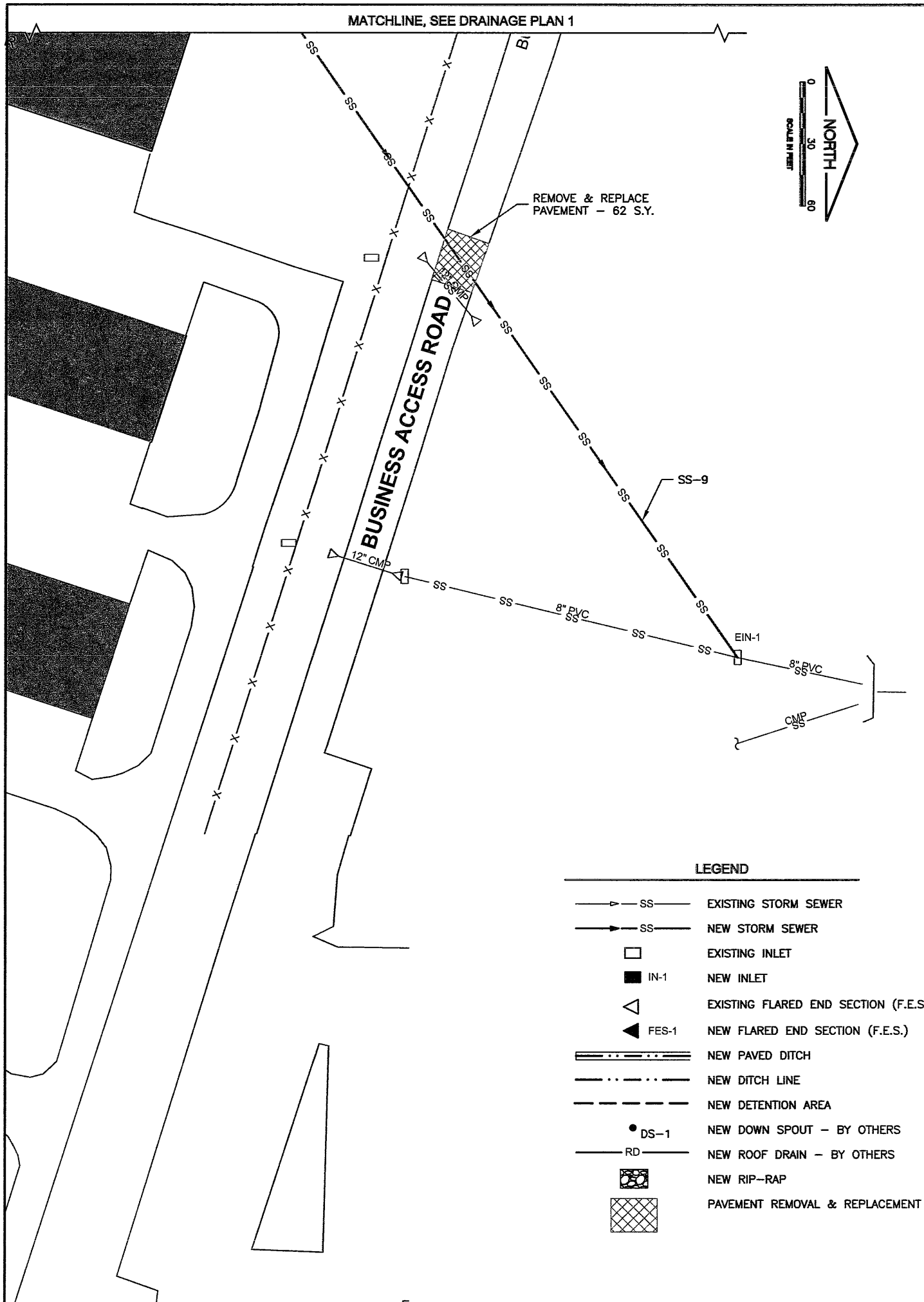


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 BLOOMINGTON, ILLINOIS

CONSTRUCT SRE STORAGE FACILITY SITework
 DRAINAGE PLAN 2

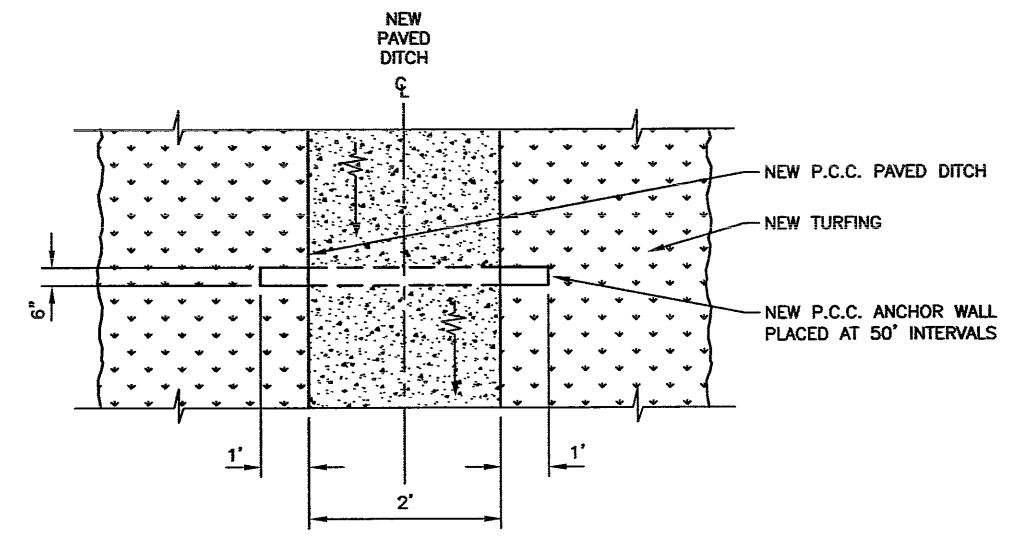
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DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO. BMI-3773	
AIP PROJ. NO. 3-17-0006-XX	
SHEET 16 OF 44 SHEETS	

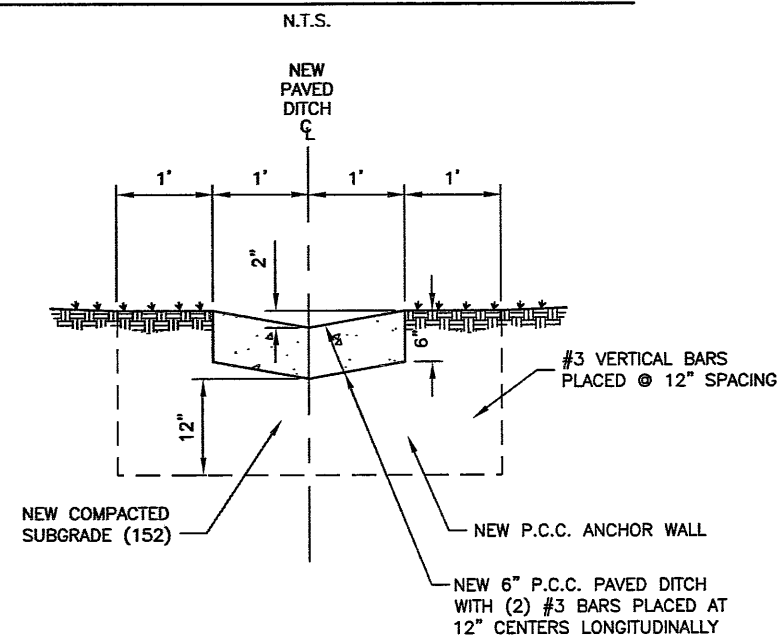


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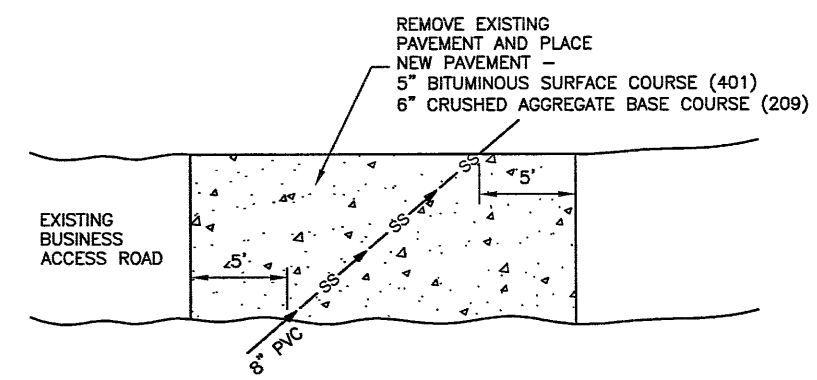
	SS	EXISTING STORM SEWER
	SS	NEW STORM SEWER
	IN-1	EXISTING INLET
	IN-1	NEW INLET
	FES-1	EXISTING FLARED END SECTION (F.E.S.)
	FES-1	NEW FLARED END SECTION (F.E.S.)
		NEW PAVED DITCH
		NEW DITCH LINE
		NEW DETENTION AREA
	DS-1	NEW DOWN SPOUT - BY OTHERS
	RD	NEW ROOF DRAIN - BY OTHERS
		NEW RIP-RAP
		PAVEMENT REMOVAL & REPLACEMENT



PAVED DITCH PLAN VIEW



PAVED DITCH TYPICAL SECTION

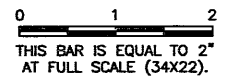


PAVEMENT REMOVAL & REPLACEMENT

BL066

REVISIONS

NUMBER	BY	DATE



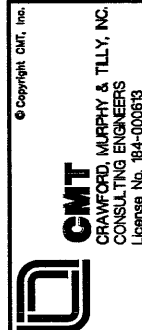
STORM SEWER STRUCTURE SCHEDULE									
STRUCTURE	BASELINE	STATION	OFFSET	NORTHING	EASTING	RIM	INVERT	STRUCTURE TYPE	FRAME & LID
FES-1	"B"	1+08.8	152.30' LT.	1391579.38	817220.7689	862.80	861.55	15" REINFORCED CONCRETE FES	N/A
FES-2	"B"	0+40.9	157.23' LT.	1391574.374	817288.7498	862.45	861.20	15" REINFORCED CONCRETE FES	N/A
FES-3	"A"	13+28.2	29.73' LT.	1391577.273	817299.8888	862.25	861.00	15" REINFORCED CONCRETE FES	N/A
FES-4	"A"	13+62.3	20.74' RT.	1391616.317	817350.4015	860.25	859.00	15" REINFORCED CONCRETE FES	N/A
IN-1	"B"	3+23.9	85.00' LT.	1391646.927	817005.8227	863.70	860.46	IDOT INLET TYPE A	IDOT TYPE 8 OPEN
IN-2	"B"	2+8.3	85.00' LT.	1391646.794	817121.4452	863.75	860.00 859.90	IDOT INLET TYPE B	IDOT TYPE 8 OPEN
IN-3	"B"	1+09.5	93.75' LT.	1391637.93	817220.185	863.50	859.50 859.40	IDOT INLET TYPE B	IDOT TYPE 8 OPEN
FES-5	"A"	14+02.0	18.82' RT.	1391651.062	817348.5191	860.25	859.00	15" REINFORCED CONCRETE FES	N/A
IN-4	"B"	0+42.0	90.47' RT.	1391822.077	817287.8972	862.75	859.84	IDOT INLET TYPE A	IDOT TYPE 8 OPEN
FES-6	"B"	0+42.0	153.50' RT.	1391885.102	817287.9698	860.50	859.50	12" REINFORCED CONCRETE FES	N/A
FES-7	"A"	16+43.0	30.00' LT.	1391892.089	817299.9779	860.82	859.32	18" REINFORCED CONCRETE FES	N/A
FES-8	"A"	16+43.0	24.67' RT.	1391892.026	817354.6523	860.50	859.00	18" REINFORCED CONCRETE FES	N/A
FES-9	"A"	17+91.2	126.79' RT.	1392040.085	817456.9364	861.00	859.00	24" REINFORCED CONCRETE FES	N/A
FES-10	"A"	18+29.31	146.94' RT.	1392078.199	817477.1323	860.87	858.87	24" REINFORCED CONCRETE FES	N/A
FES-11	"A"	17+72.6	157.59' RT.	1392021.512	817487.7187	857.67	857.00	8" REINFORCED CONCRETE FES	N/A
EIN-1	"A"	19+97.4	477.45' RT.	1392245.905	817807.831	855.20	853.10	EXISTING INLET	N/A

STORM SEWER PIPE SCHEDULE							
LINE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	SIZE	UPSTREAM INVERT	DOWNSTREAM INVERT	LENGTH (FT)	SLOPE
SS-1	FES-1	FES-2	15" RCP	861.55	861.20	71	0.50%
SS-2	FES-3	FES-4	15" RCP	861.00	859.00	71	2.82%
SS-3	IN-1	IN-2	12" RCP	860.46	860.00	116	0.40%
SS-4	IN-2	IN-3	12" RCP	859.90	859.50	99	0.40%
SS-5	IN-3	FES-5	15" RCP	859.40	859.00	136	0.30%
SS-6	IN-4	FES-6	12" RCP	859.84	859.50	68	0.50%
SS-7	FES-7	FES-8	18" RCP	859.32	859.00	63	0.50%
SS-8	FES-9	FES-10	24" RCP	859.00	858.87	43	0.30%
SS-9	FES-11	EIN-1	8" PVC	857.00	853.10	391	1.00%

ROOF DRAIN SCHEDULE								
STRUCTURE	BASELINE	STATION	OFFSET	NORTHING	EASTING	INVERT	SIZE	SLOPE
*DS-1	"B"	3+30.5	63.75' LT.	1391668.18	816999.22	862.74	8" PVC	1.00%
*DS-2	"B"	2+80.5	63.75' LT.	1391668.13	817049.22	862.72	8" PVC	1.00%
*DS-3	"B"	2+30.5	63.75' LT.	1391668.07	817049.22	862.32	8" PVC	1.00%
*DS-4	"B"	1+80.5	63.75' LT.	1391668.01	817149.22	862.37	8" PVC	1.00%
*DS-5	"B"	1+27.5	63.75' LT.	1391667.95	817202.22	861.90	8" PVC	1.00%
*DS-6	"B"	1+88.5	63.75' LT.	1391667.91	817241.22	861.63	8" PVC	1.00%
*DS-7	"B"	3+30.5	63.75' RT.	1391795.68	816999.37	862.49	8" PVC	0.50%
*DS-8	"B"	2+80.5	63.75' RT.	1391795.63	817049.37	862.24	12" PVC	0.50%
*DS-9	"B"	2+30.5	63.75' RT.	1391795.57	817099.37	862.49	12" PVC	0.50%
*DS-10	"B"	1+80.5	63.75' RT.	1391795.51	817149.37	862.77	8" PVC	0.50%
*DS-11	"B"	1+35.5	63.75' RT.	1391795.46	817194.37	863.02	8" PVC	0.50%
*DS-12	"B"	1+88.5	63.75' RT.	1391795.41	817241.37	861.55	8" PVC	1.00%
IN-1	"B"	3+23.9	85.00' LT.	1391646.93	817005.82	861.46	8" PVC	N/A
IN-2	"B"	2+8.3	85.00' LT.	1391646.79	817121.45	861.10	8" PVC	N/A
IN-3	"B"	1+09.5	93.75' LT.	1391637.93	817220.19	860.60	8" PVC	N/A
IN-4	"B"	0+42.0	90.47' RT.	1391822.08	817287.90	859.44	8" PVC	N/A
*FES-12	"B"	3+01.0	106.97' RT.	1391838.84	817028.95	862.00	12" PVC	N/A

* - DENOTES BY OTHERS

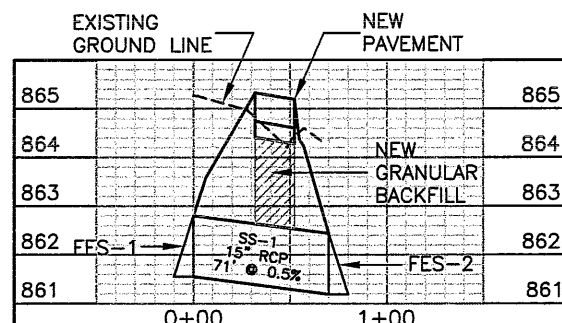
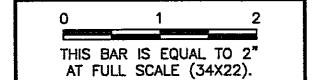
BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS
 CONSTRUCT SRE STORAGE FACILITY SITEWORK
 DRAINAGE SCHEDULE



DESIGN BY:	KLB
DRAWN BY:	CMT
CHECKED BY:	RW
APPROVED BY:	RW
DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006-XX
SHEET	17 OF 44 SHEETS

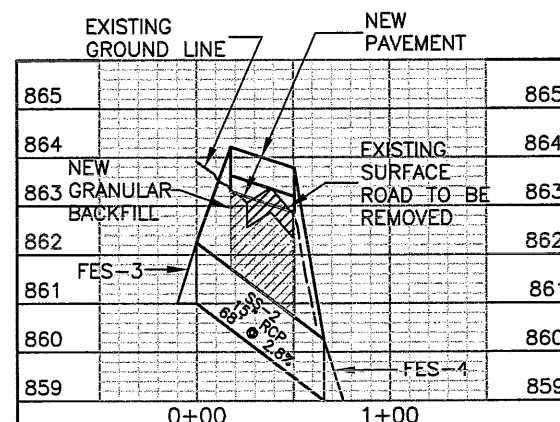
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NUMBER	BY	DATE



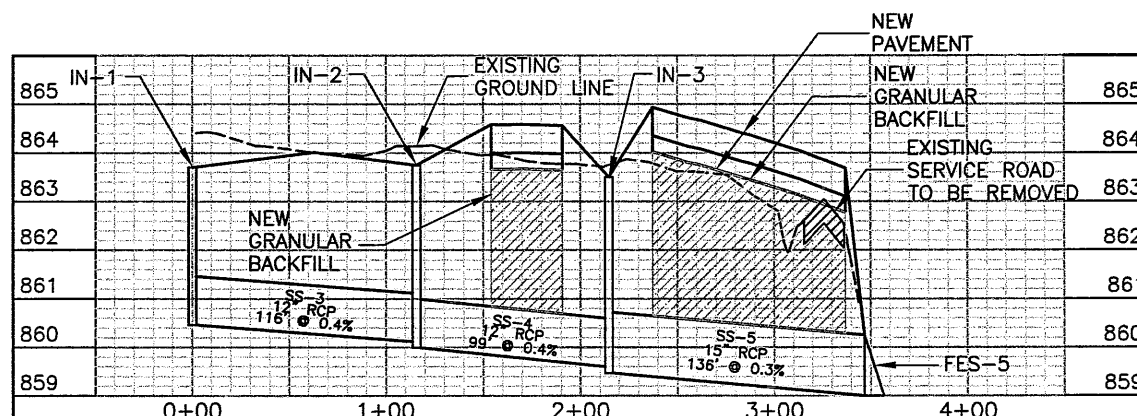
STORM SEWER PROFILE LINE 1
FES-1 TO FES-2

SCALE: H 1" = 60'
 V 1" = 2'



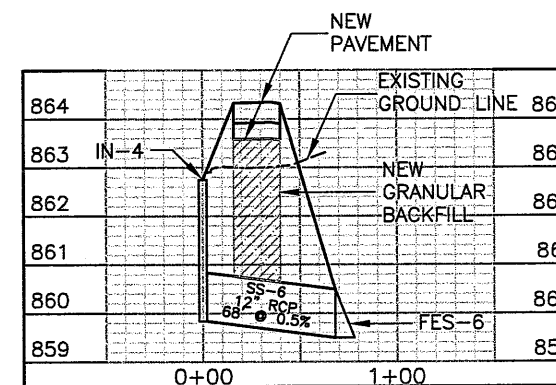
STORM SEWER PROFILE LINE 2
FES-3 TO FES-4

SCALE: H 1" = 60'
 V 1" = 2'



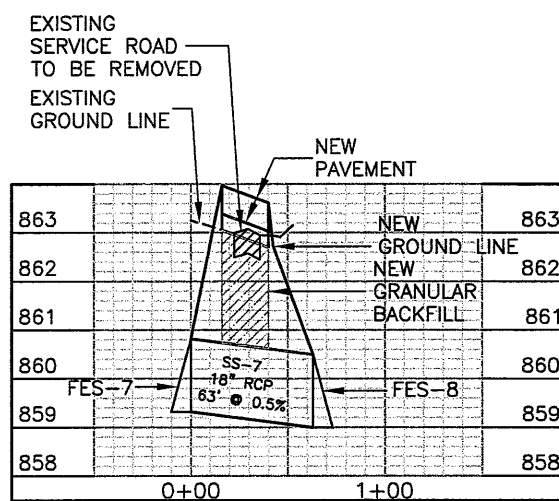
STORM SEWER PROFILE LINE 3, 4 AND 5
IN-1 TO IN-2 AND IN-2 TO IN-3 AND IN-3 TO FES-5

SCALE: H 1" = 60'
 V 1" = 2'



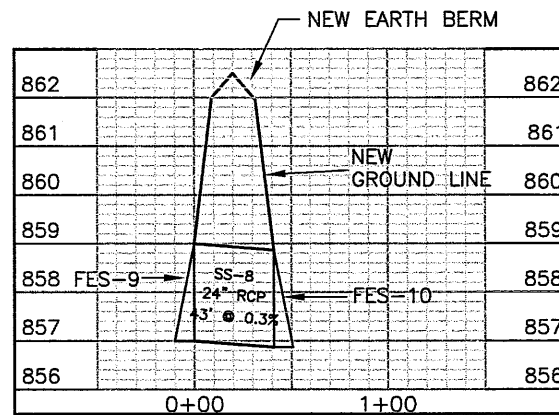
STORM SEWER PROFILE LINE 6
IN-4 TO FES-6

SCALE: H 1" = 60'
 V 1" = 2'



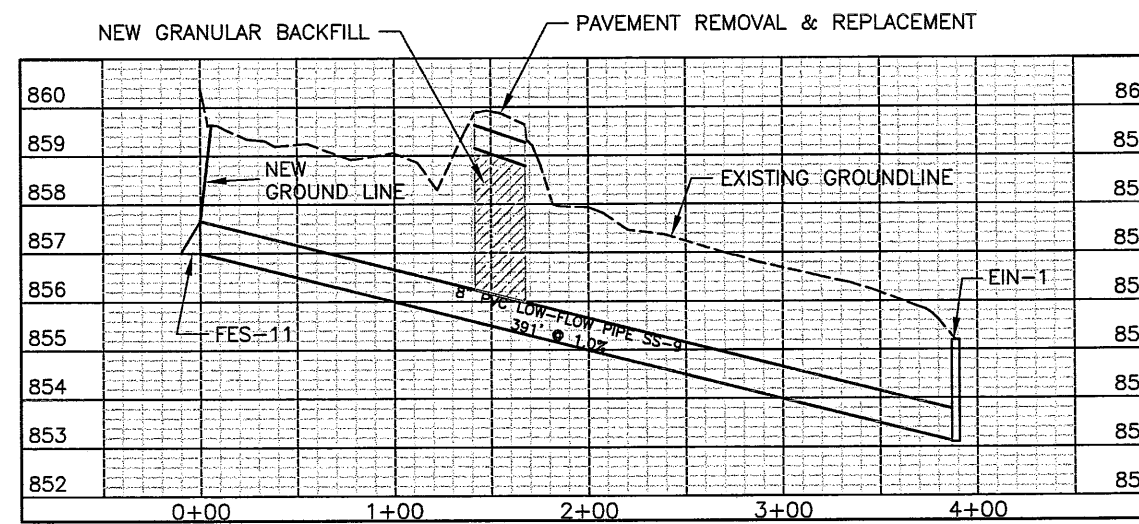
STORM SEWER PROFILE LINE 7
FES-7 TO FES-8

SCALE: H 1" = 60'
 V 1" = 2'



STORM SEWER PROFILE LINE 8
FES-9 TO FES-10

SCALE: H 1" = 60'
 V 1" = 2'



STORM SEWER PROFILE LINE 9
FES-11 TO EIN-1

SCALE: H 1" = 60'
 V 1" = 2'

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
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 BLOOMINGTON, ILLINOIS
 CONSTRUCT SRE STORAGE FACILITY SITEWORK
 STORM SEWER PROFILES

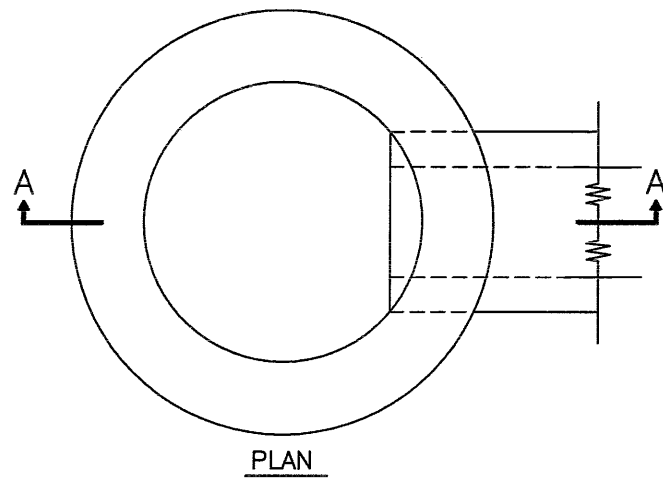
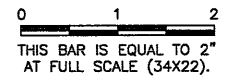
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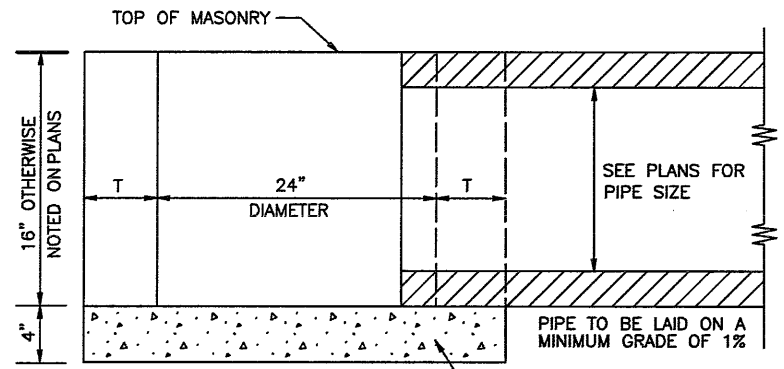
DESIGN BY:	KLB
DRAWN BY:	CMT
CHECKED BY:	REW
APPROVED BY:	REW
DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006
SHEET	18 OF 44 SHEETS

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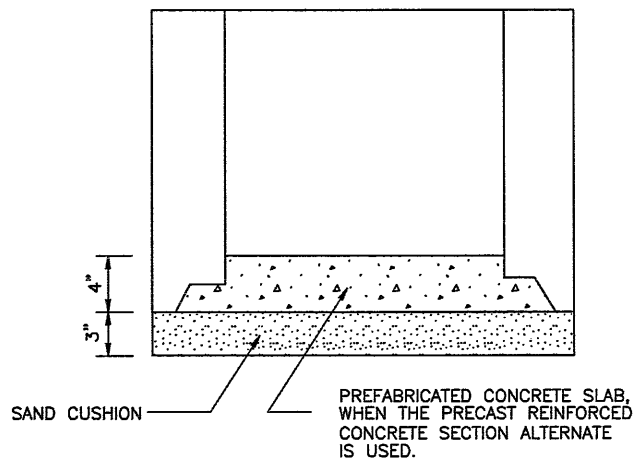
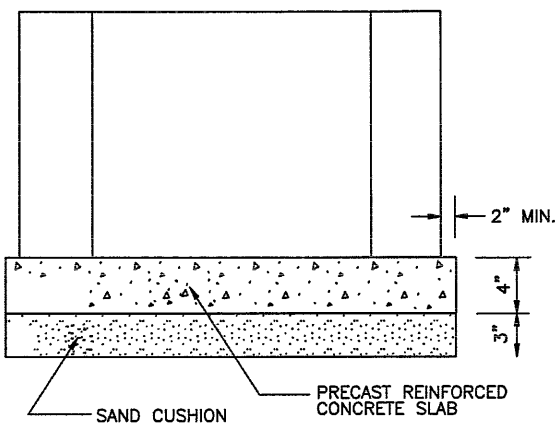
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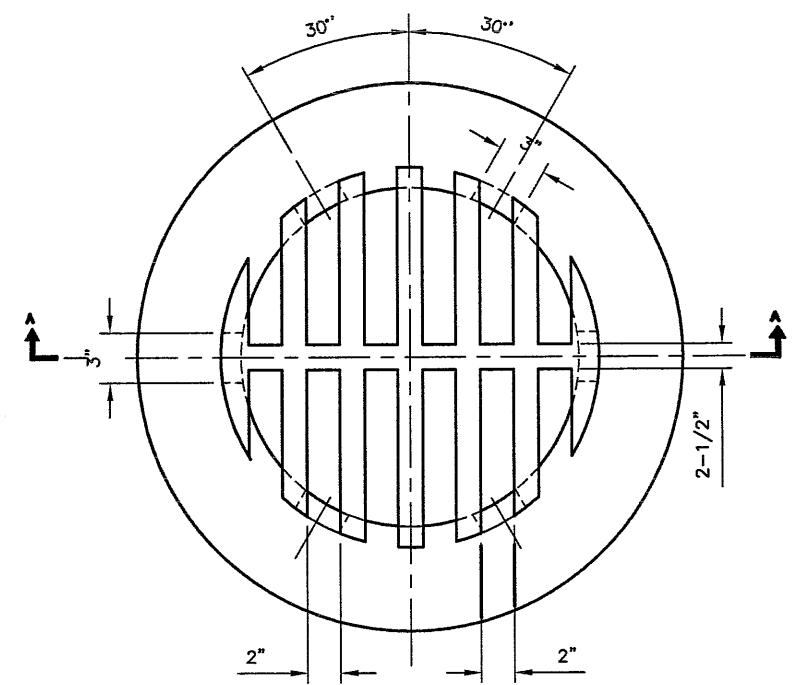
SECTION A-A
N.T.S.

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8"
CAST-IN-PLACE-CONCRETE	6"
CAST-IN-PLACE-CONCRETE	6"
PRECAST REINFORCED CONCRETE SECTION	3"

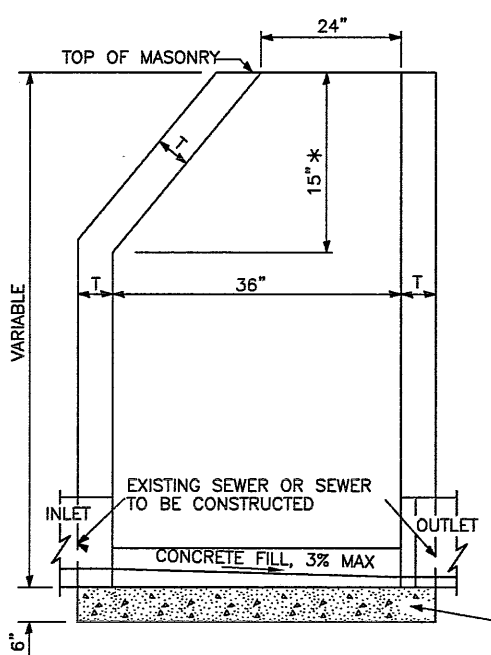
TYPE A INLET DETAIL
 IDOT STANDARD 602301
 N.T.S.



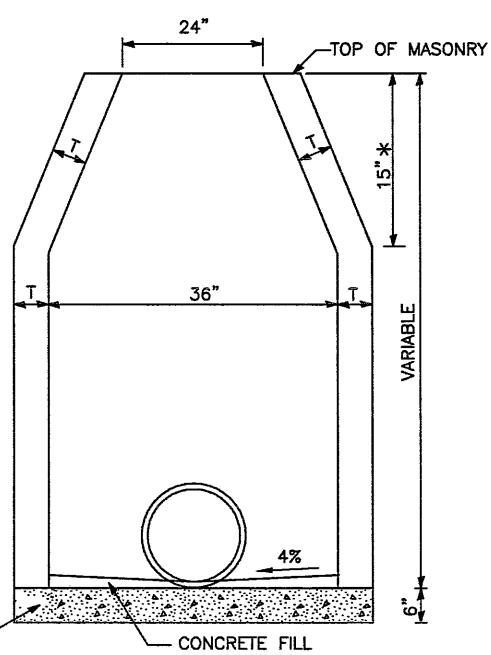
ALTERNATE METHODS
N.T.S.



CAST GRATE



ELEVATION - ECCENTRIC

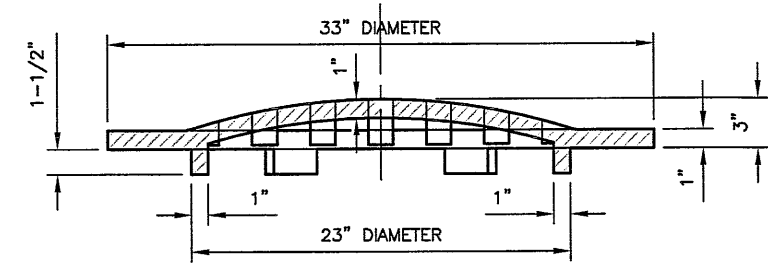


ELEVATION - CONCENTRIC

ALTERNATE MATERIALS FOR WALLS	T (MIN.)
CONCRETE MASONRY UNIT	5"
BRICK MASONRY	8"
PRECAST REINFORCED CONCRETE SECTION	3"
CAST-IN-PLACE CONCRETE	6"

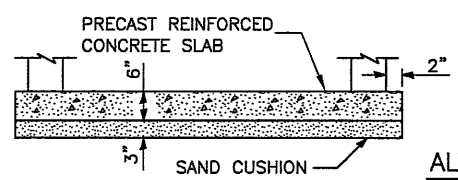
GENERAL NOTES

* THIS DIMENSION FOR PRECAST REINFORCED CONCRETE SECTIONS MAY VARY FROM THE DIMENSION GIVEN TO PLUS 6".
 SEE STANDARD 602601 FOR OPTIONAL PRECAST CONCRETE FLAT SLAB TOP.
 ALL DIMENSION ARE IN INCHES UNLESS OTHERWISE SHOWN.



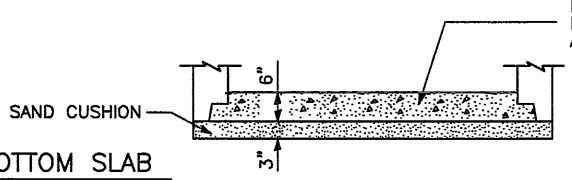
SECTION A-A

GRATE TYPE 8 DETAIL
 IDOT STANDARD 604036-01
 N.T.S.



ALTERNATE BOTTOM SLAB

TYPE B INLET DETAIL
 IDOT STANDARD 602306-01
 N.T.S.

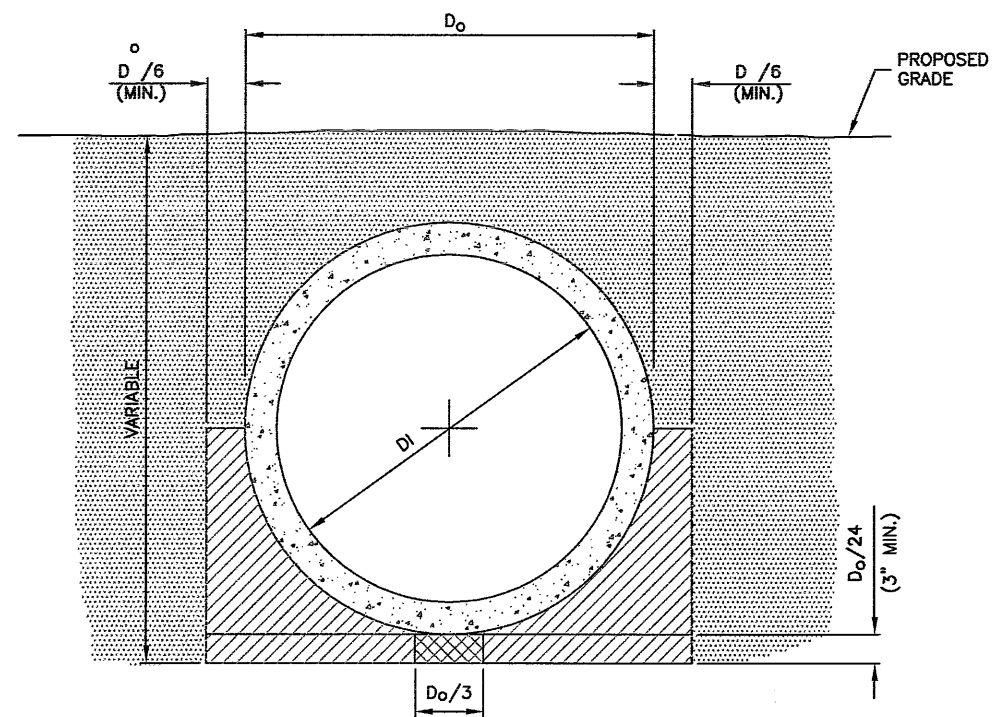


PREFABRICATED CONCRETE SLAB, WHEN THE PRECAST REINFORCED CONCRETE SECTION ALTERNATE IS USED.

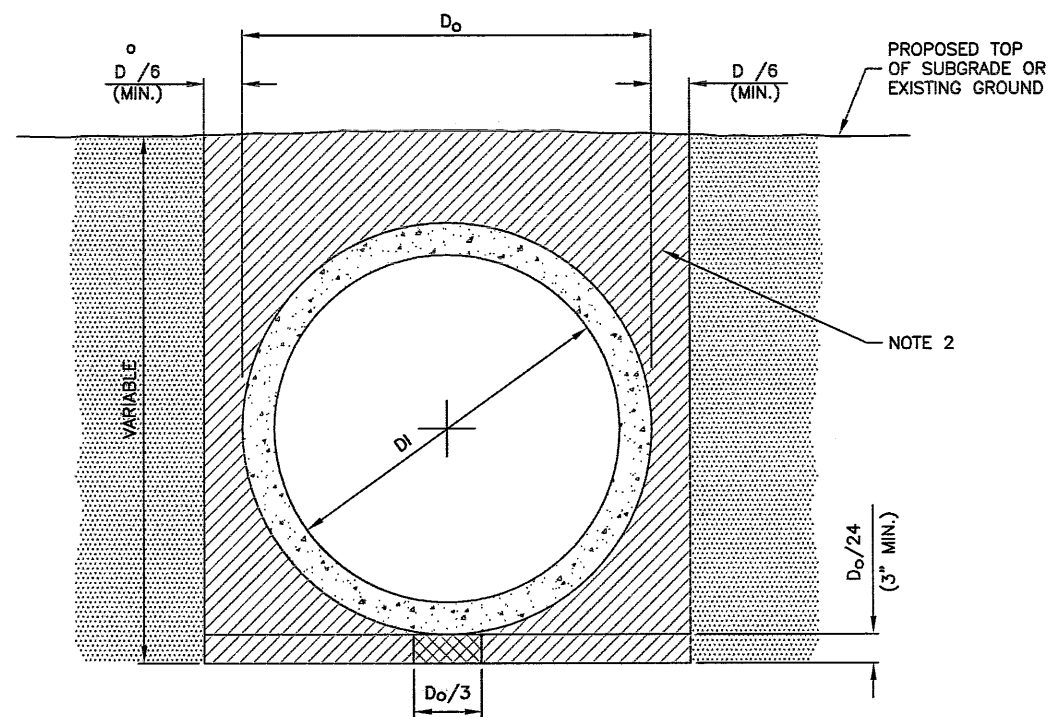
BLOOMINGTON-NORMAL AIRPORT AUTHORITY
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BLOOMINGTON, ILLINOIS
CONSTRUCT SRE STORAGE FACILITY SITEWORK
INLET DETAILS

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DESIGN BY:	KLB
DRAWN BY:	CMT
CHECKED BY:	RW
APPROVED BY:	RW
DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006
SHEET 19 OF 44 SHEETS	



**STANDARD TRENCH INSTALLATION
 NON-PAVED AREA**
 N.T.S.



**STANDARD TRENCH INSTALLATION
 PROPOSED PAVED AREA**
 N.T.S.

TRENCH INSTALLATION LEGEND

- DRAINAGE CONDUIT MATERIAL—CONCRETE
- MIDDLE BEDDING LOOSELY PLACED UNCOMPACTED BEDDING
- HAUNCH AND OUTER BEDDING COMPACTION— TO ENGINEER'S SATISFACTION OR 95% STANDARD PROCTOR
- LOWER SIDE AND OVERFILL COMPACTION— SAME AS EMBANKMENT REQUIREMENTS

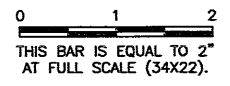
Do PIPE OUTSIDE DIAMETER
 D1 PIPE INSIDE DIAMETER

- TRENCH INSTALLATION NOTES**
- BEDDING SHOWN IS IN ACCORDANCE WITH "STANDARD EMBANKMENT INSTALLATIONS", STANDARD INSTALLATION & BEDDING FACTORS FOR THE INDIRECT DESIGN METHOD (DESIGN DATA 40), AMERICAN CONCRETE PIPE ASSOCIATION.
 - BACKFILL TO EXTEND 3' BEYOND EDGES OF PROPOSED PAVEMENT.

BL066

REVISIONS

NUMBER	BY	DATE



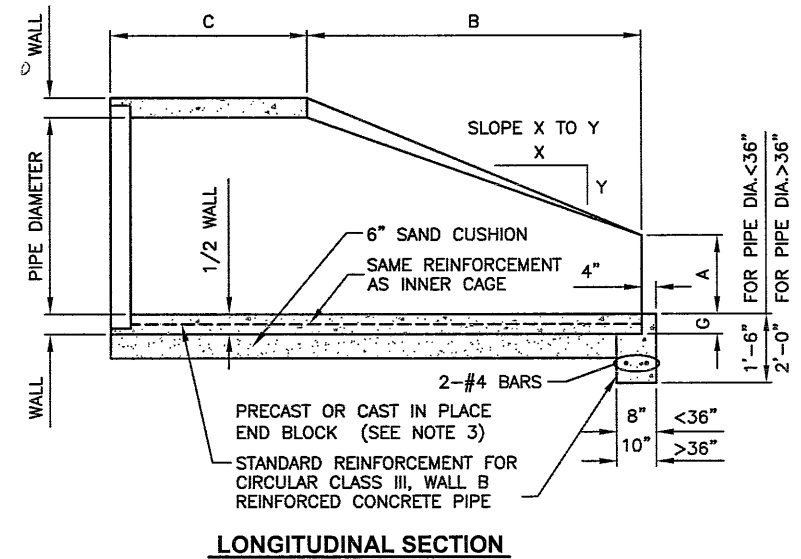
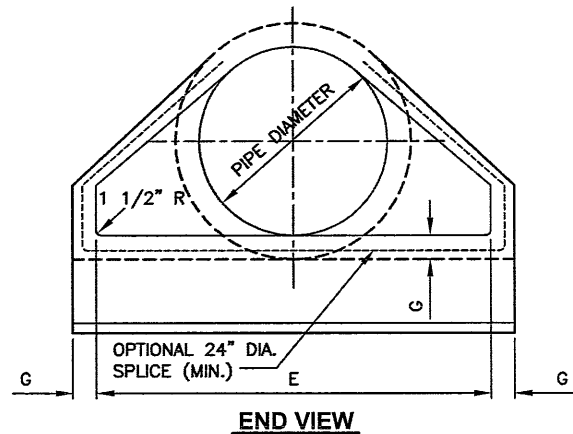
DIMENSIONS - TABLE 1

PIPE DIA.	APPROX WT. (lbs.)	WALL	A	B	C	D	E	G	R	SLOPE
12"	530	2"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	2"	9"	3:1
15"	740	2 1/4"	6"	2'-3"	3'-10"	6'-1"	2'-6"	2 1/4"	11"	3:1
18"	990	2 1/2"	9"	2'-3"	3'-10"	6'-1"	3'-0"	2 1/2"	12"	3:1
21"	1280	2 3/4"	9"	2'-11"	3'-2"	6'-1"	3'-6"	2 3/4"	13"	3:1
24"	1520	3"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	3"	14"	3:1
27"	1930	3 1/4"	10 1/2"	4'-0"	2'-1 1/2"	6'-1 1/2"	4'-6"	3 1/4"	14 1/2"	3:1
30"	2190	3 1/2"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	3 1/2"	15"	3:1
33"	3200	3 3/4"	1-1 1/2"	4'-10 1/2"	3'-3 1/4"	8'-1 3/4"	5'-6"	3 3/4"	17 1/2"	3:1
36"	4100	4"	1'-3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'-0"	4"	20"	3:1
42"	5380	4 1/2"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	4 1/2"	22"	3:1
48"	6550	5"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	5"	22"	3:1
54"	8240	5 1/2"	2'-3"	5'-5"	2'-11"	8'-4"	7'-6"	5 1/2"	24"	2.4:1
60"	8730	6"	2'-11"	5'-0"	3'-3"	8'-3"	8'-0"	5"	*	2:1
66"	10710	6 1/2"	2'-6"	6'-0"	2'-3"	8'-3"	8'-6"	5 1/2"	*	2:1
72"	12520	7"	3'-0"	6'-6"	1'-9"	8'-3"	9'-0"	6"	*	1.86:1
78"	14770	7 1/2"	3'-0"	7'-6"	1'-9"	9'-3"	9'-6"	6 1/2"	*	1.82:1
84"	18160	8"	3'-0"	7'-6 1/2"	1'-9"	9'-3 1/2"	10'-0"	6 1/2"	*	1.5:1

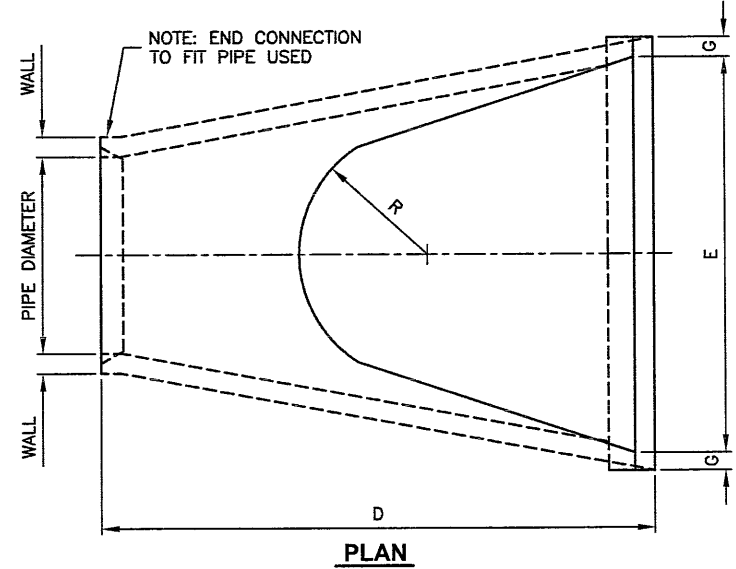
* RADIUS AS FURNISHED BY MANUFACTURER.

PRECAST FLARED SECTION NOTES

- PRECAST CONCRETE FLARED END SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CLASS III, WALL B REINFORCED CONCRETE PIPE.
- PRECAST CONCRETE FLARED END SECTION FOR PIPE DIAMETER REQUIRED SHALL BE AS INDICATED ON DETAIL PLAN FOR EACH INDIVIDUAL INSTALLATION.
- THE END BLOCK SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE FLARED END SECTION. THE END BLOCK SHALL BE BACKFILLED IN ACCORDANCE WITH ITEM 701.



PRECAST REINFORCED CONCRETE FLARED END SECTION
 (I.D.O.T. STD. NO. 542301)
 N.T.S.



**BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS**
**CONSTRUCT SRE STORAGE FACILITY SITEWORK
 DRAINAGE DETAILS 1**

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DESIGN BY: KLB
 DRAWN BY: CMT
 CHECKED BY: *RLV*
 APPROVED BY: *RLV*
 DATE: JUNE 19, 2009
 JOB No: 07085-03-10

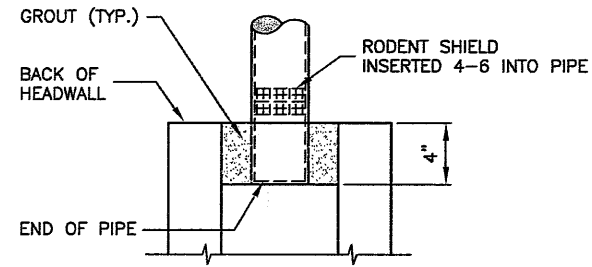
IL PROJ. NO. BMI-3773
 AIP PROJ. NO. 3-17-0006-XX

SHEET 20 OF 44 SHEETS

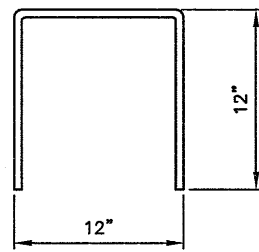
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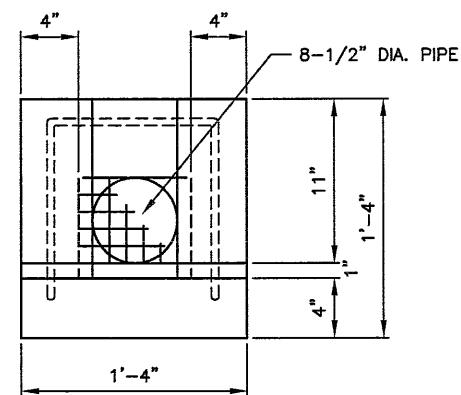
0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).



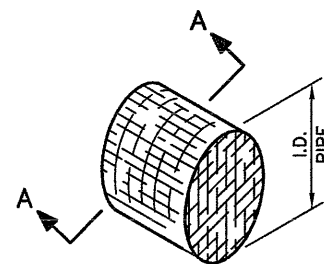
RODENT SHIELD PLACEMENT
 N.T.S.



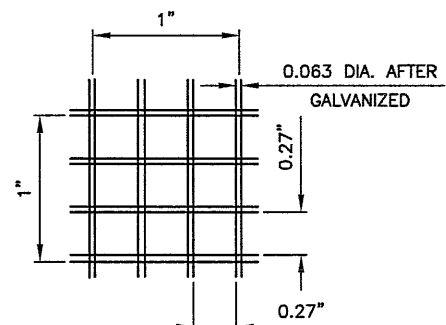
BAR H
 N.T.S.



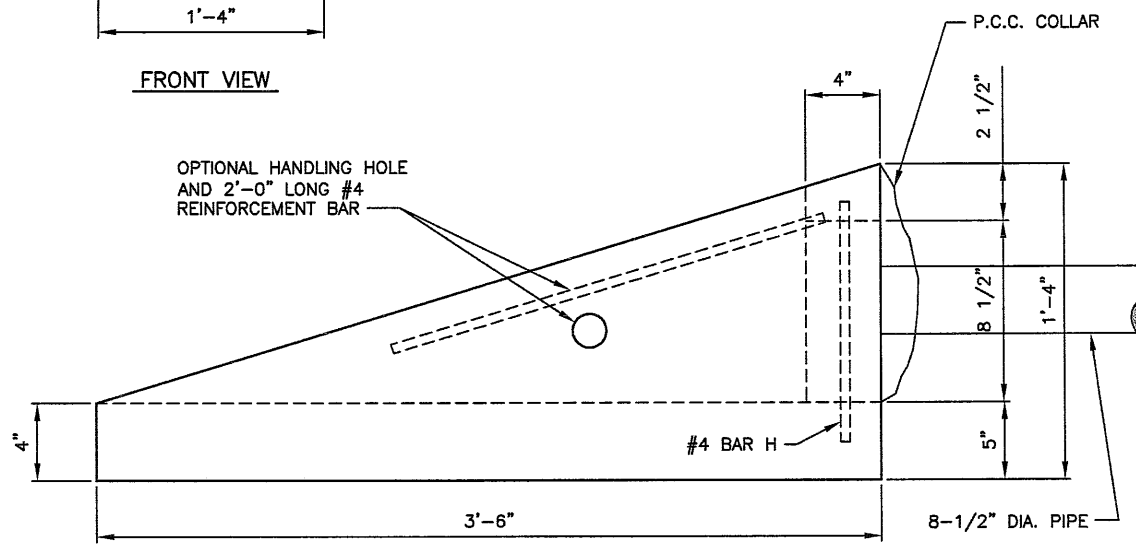
FRONT VIEW



RODENT SHIELD DETAIL
 N.T.S.



SECTION A-A
 N.T.S.



SIDE VIEW

CONCRETE HEADWALL FOR 8" PVC PIPE
 I.D.O.T. STANDARD NO. 601101
 N.T.S.

**BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS**

**CONSTRUCT SRE STORAGE FACILITY SITEWORK
 DRAINAGE DETAILS 2**

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DRAWN BY:	CMT
CHECKED BY:	RLV
APPROVED BY:	RLV
DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006
SHEET	21 OF 44 SHEETS

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NUMBER	BY	DATE

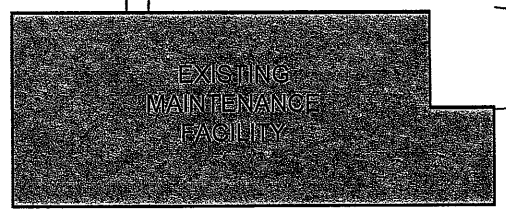
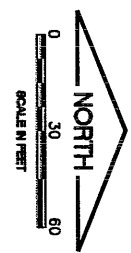
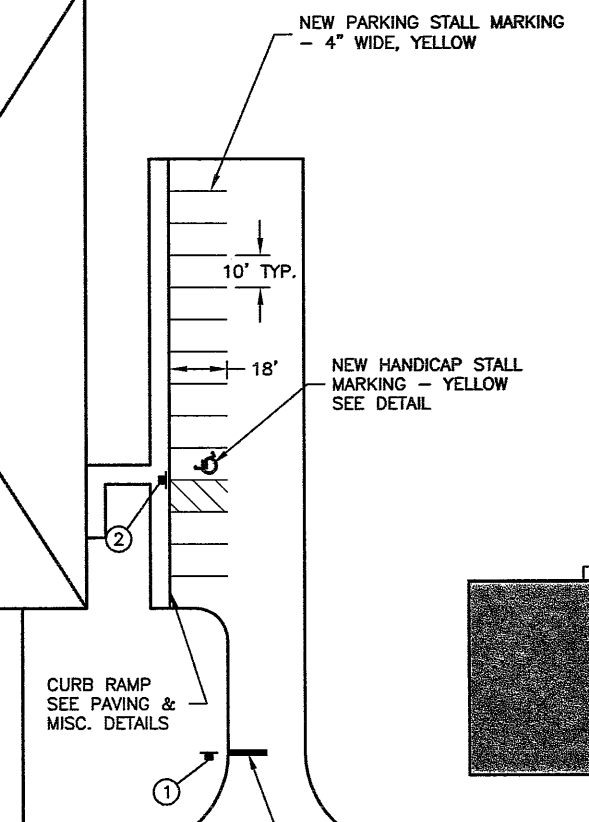
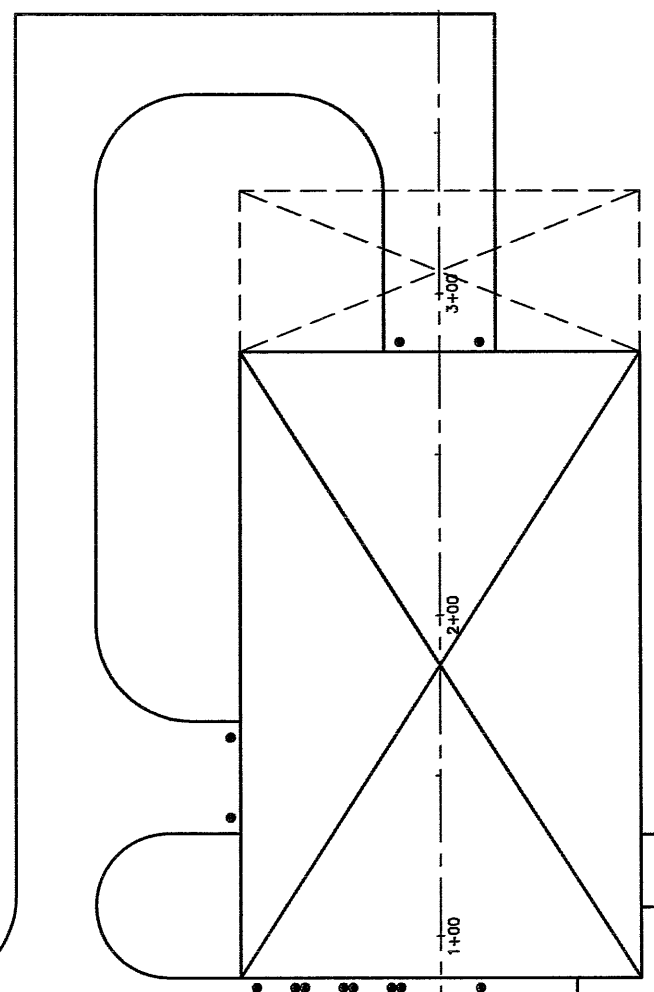
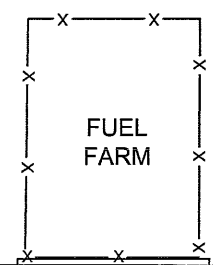
0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).

LEGEND

	NEW PAVEMENT MARKING
	NEW SIGN
	NEW BOLLARD
	- TO BE FIELD LOCATED

SCHEDULE

NO.	TYPE	BASELINE	STATION	OFFSET
①	R1-1 STOP SIGN	"B"	0+42	100.5' RT.
②	HANDICAP SIGN	"B"	1+27	87.5' RT.



11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00

NEW ROADWAY STOPLINE
 2' WIDE, 12' LONG
 - SOLID WHITE
 STA. 0+42

BUSINESS ACCESS
 ROAD

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS

CONSTRUCT SRE STORAGE FACILITY SITEWORK
 MARKING PLAN

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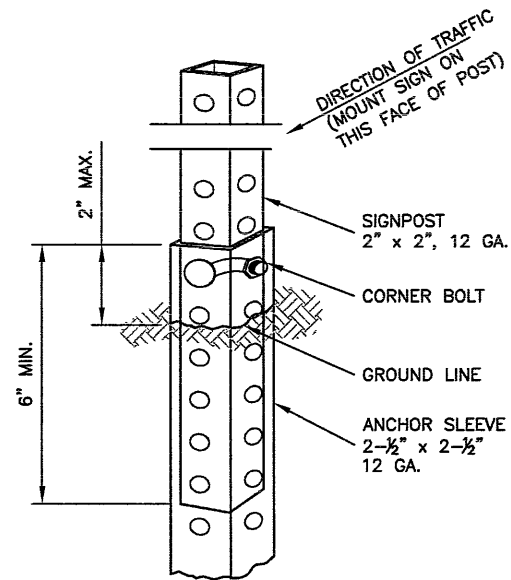
DESIGN BY:	KLB
DRAWN BY:	CMT
CHECKED BY:	RW
APPROVED BY:	RW
DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006-XX
SHEET	22 OF 44 SHEETS



R1-1
30"x30"

STOP SIGN DETAIL
N.T.S.

NOTE:
FOR ONE SIGN, THERE SHALL BE A MINIMUM HEIGHT OF 5' TO FINISHED GRADE AND FOR TWO SIGNS, THERE SHALL BE A MINIMUM HEIGHT OF 4' TO FINISHED GRADE FROM THE BOTTOM OF THE SIGN.



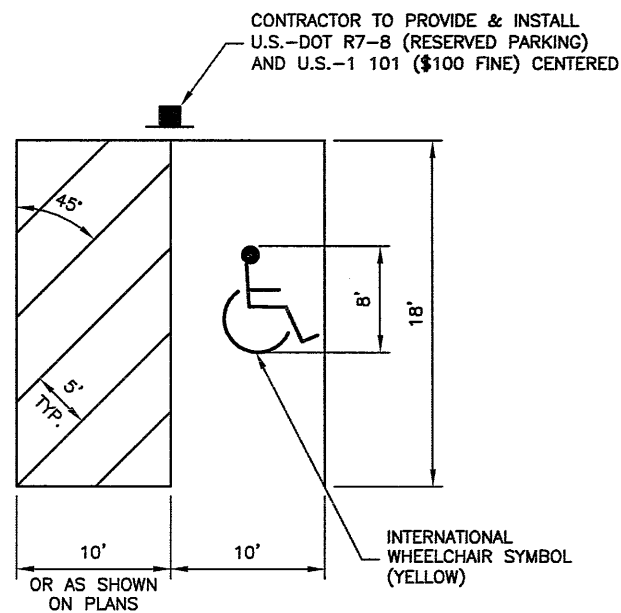
THE SIGNPOST IS ATTACHED TO THE ANCHOR SLEEVE WITH THE CORNER BOLT PER MANUFACTURER'S SPECIFICATION.

PERFORATED SQUARE STEEL TUBE POST DETAIL
N.T.S.

POST TYPE	
SIGN AREA (SQ.FT.)	PERFORATED SQUARE STEEL TUBING
* 10	1 - 2" 12 GA.*
* 10 * 16	2 - 2" 12 GA.
* 16 * 24	3 - 2" 12 GA.**
* 24 * 30	N/A
* 30 * 50	N/A

* SIGNS GREATER THAN 4 FEET IN WIDTH, EXCEPT DIAMOND SHAPE SIGNS, REQUIRE TWO POSTS.
** REQUIRES SLIP BASE PER MANUFACTURER'S RECOMMENDATION.
ALL POSTS SHALL BE IMBEDDED A MINIMUM OF 3 FEET.

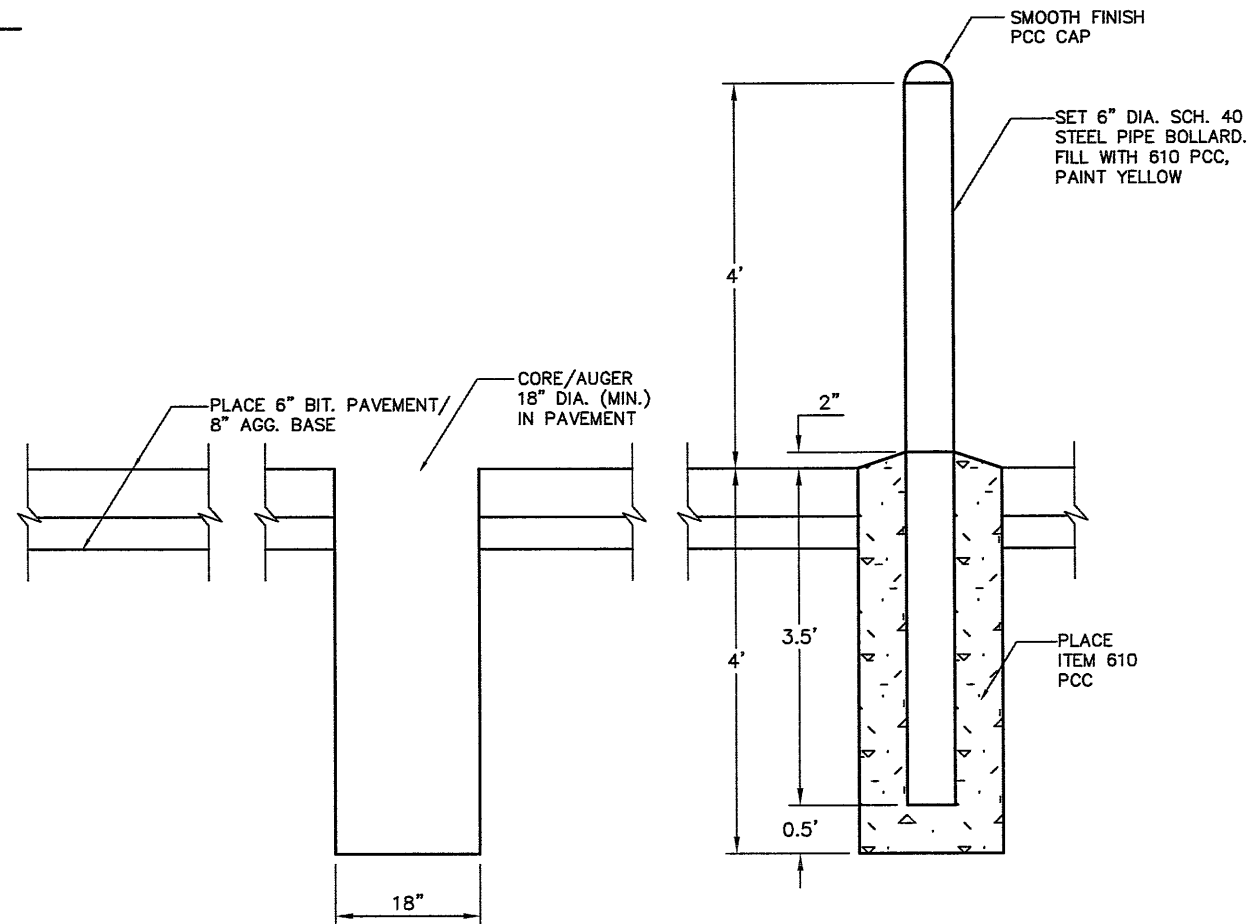
POST SIZE REQUIREMENTS



NOTE:

- ALL MARKING SHALL CONSIST OF 4" WIDE YELLOW STRIPES.

HANDICAP PARKING SPACE
N.T.S.



STEP 1

STEP 2

STEP 3

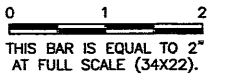
NOTE: PROPOSED BOLLARDS WILL BE FIELD LOCATED - 12 EACH

BOLLARD INSTALLATION DETAIL
N.T.S.

BL066

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NUMBER	BY	DATE



BLOOMINGTON-NORMAL AIRPORT AUTHORITY
CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS
CONSTRUCT SRE STORAGE FACILITY SITENWORK
MARKING AND SIGNAGE DETAILS

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APPROVED BY:	RLV
DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006-XX
SHEET	23 OF 44 SHEETS

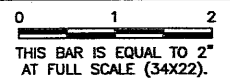
LEGEND

- S — NEW SANITARY
- S — EXISTING SANITARY
- W — NEW 6" WATERMAIN
- W — EXISTING 6" WATERMAIN
- ⊘ NEW 6" VALVE
- ⊘ NEW FIRE HYDRANT INCLUDING ACCESSORIES
- G — NEW GAS SERVICE (BY OTHERS)
- G — EXISTING GAS
- PE — NEW PRIMARY ELECTRIC SERVICE - DIRECT BURY (BY OTHERS)
- E — EXISTING ELECTRIC
- NEW 6'x6' TRANSFORMER PAD
— UTILITY PROVIDED
— CONTRACTOR INSTALLED
— PROVIDE 4" CONDUIT SWEEP ON PRIMARY AND SECONDARY SIDES PER SERVING UTILITY REQUIREMENTS
- ⊙ BURIED SPLICE IN ELECTRICAL PRIMARY (BY OTHERS)
- ⊞ NEW PRIMARY ELECTRIC METER BASE/CABINET (BY OTHERS)
- T — NEW TELEPHONE SERVICE (BY OTHERS)
- T — EXISTING TELEPHONE
- XX — NEW FENCE
- ▭ NEW PVC CONDUIT FOR UTILITY SERVICE - SEE DETAIL
- ▨ REMOVAL

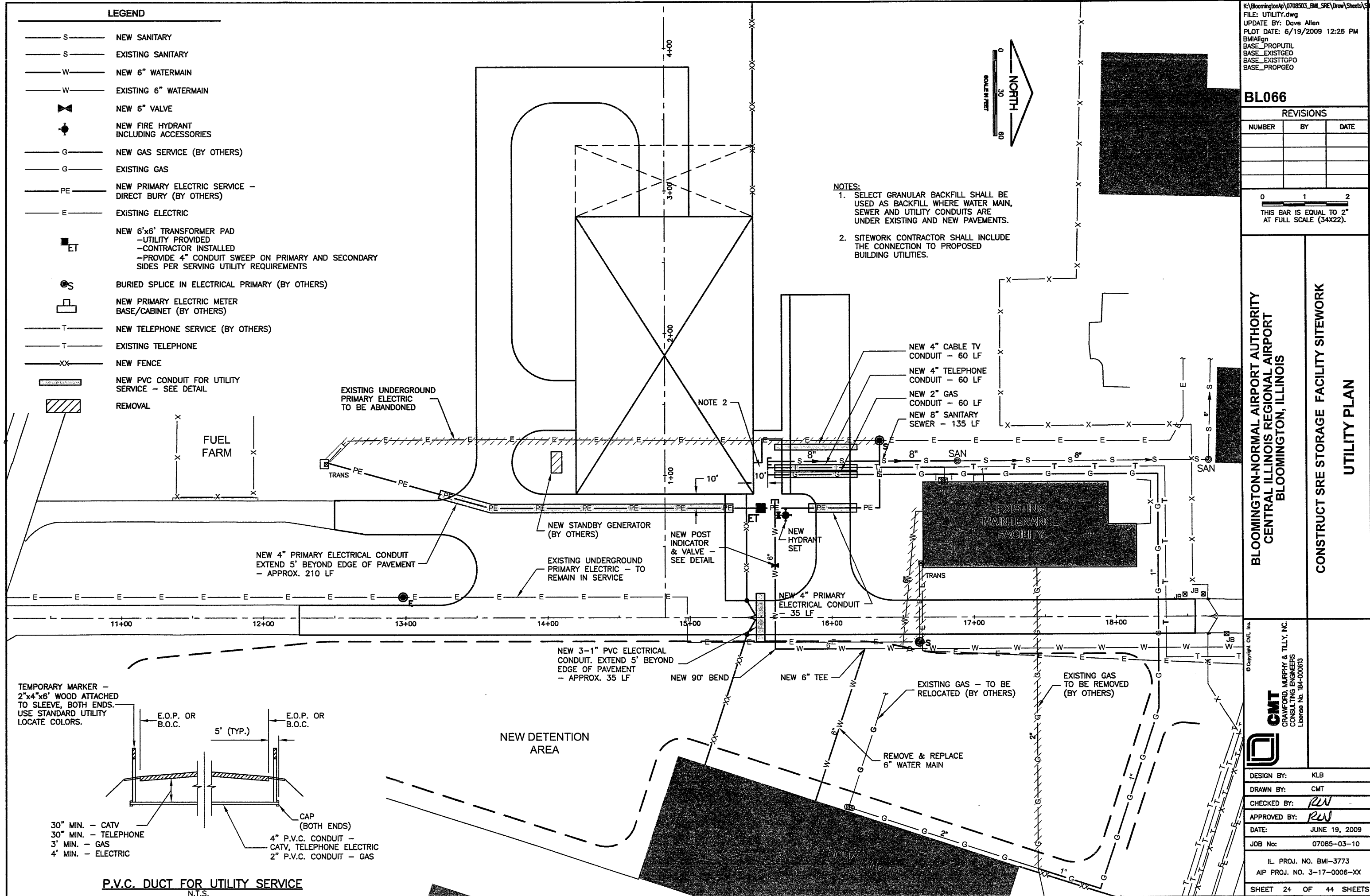
K:\Bloomington\0708503_BMI_SRE\Draw\Sheets\BL066.dwg
 FILE: UTILITY.dwg
 UPDATE BY: Dave Allen
 PLOT DATE: 6/19/2009 12:26 PM
 BMAlign
 BASE_EXISTGEO
 BASE_EXISTGPO
 BASE_PROPGEO

BL066

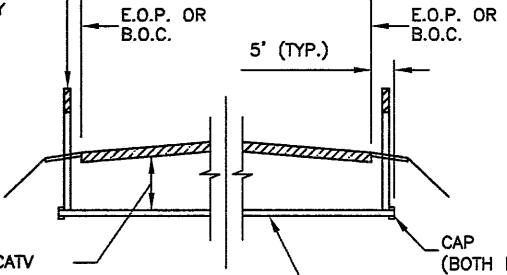
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NUMBER	BY	DATE



- NOTES:**
1. SELECT GRANULAR BACKFILL SHALL BE USED AS BACKFILL WHERE WATER MAIN, SEWER AND UTILITY CONDUITS ARE UNDER EXISTING AND NEW PAVEMENTS.
 2. SITWORK CONTRACTOR SHALL INCLUDE THE CONNECTION TO PROPOSED BUILDING UTILITIES.



TEMPORARY MARKER - 2"x4"x6' WOOD ATTACHED TO SLEEVE, BOTH ENDS. USE STANDARD UTILITY LOCATE COLORS.



P.V.C. DUCT FOR UTILITY SERVICE
N.T.S.

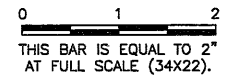
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 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS**
**CONSTRUCT SRE STORAGE FACILITY SITEWORK
 UTILITY PLAN**

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APPROVED BY:	RUN
DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006-XX
SHEET 24 OF 44 SHEETS	

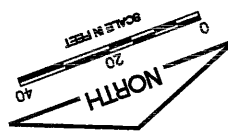
BL066

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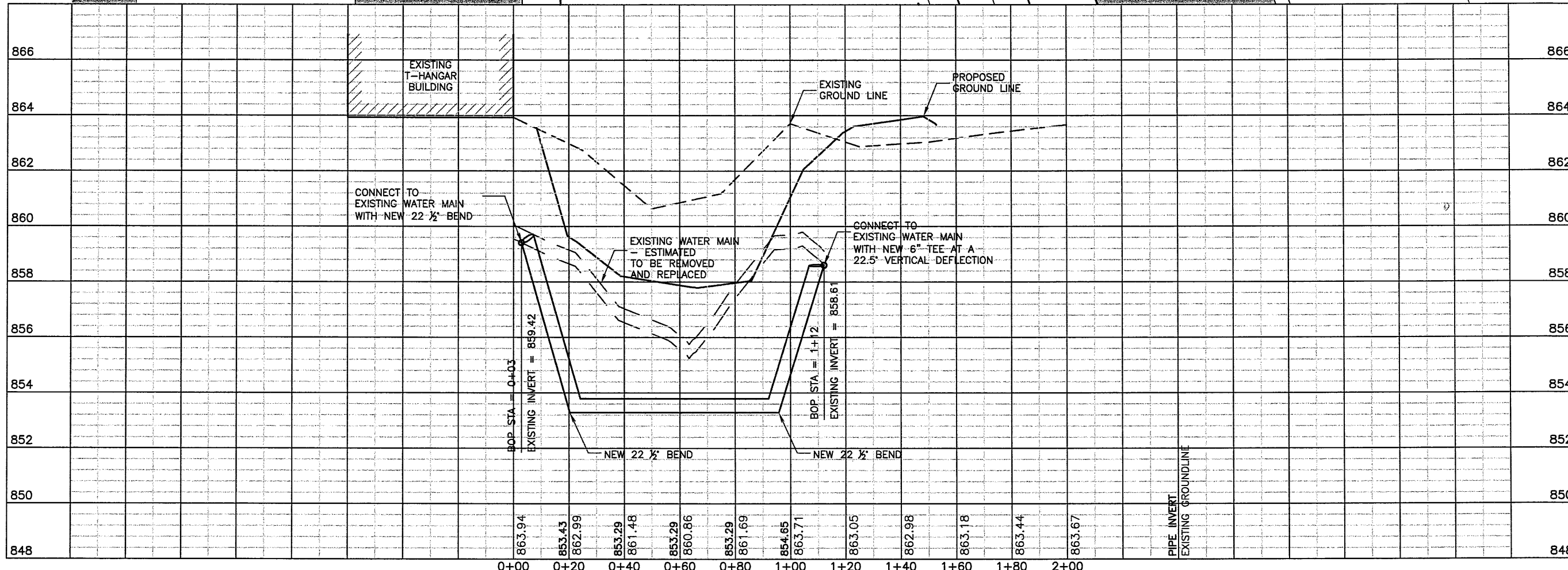
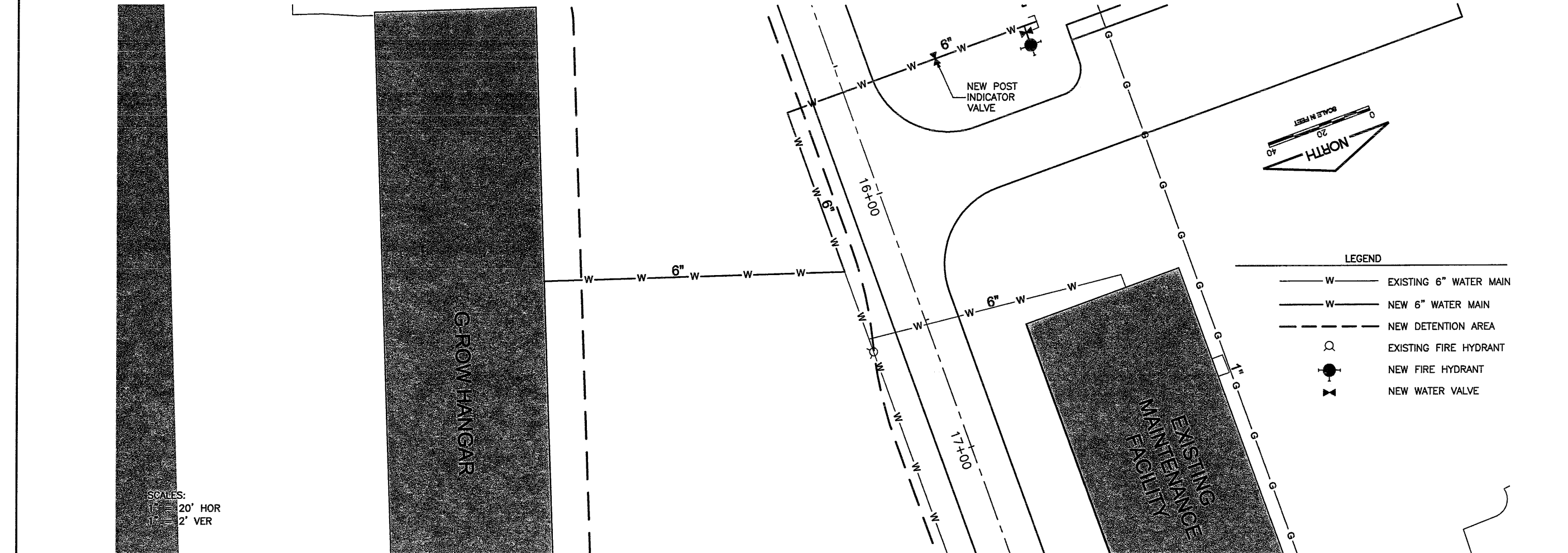


LEGEND

- W — EXISTING 6" WATER MAIN
- W — NEW 6" WATER MAIN
- - - NEW DETENTION AREA
- EXISTING FIRE HYDRANT
- NEW FIRE HYDRANT
- ⊗ NEW WATER VALVE



SCALES:
 1" = 20' HOR
 1" = 2' VER



**BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS**

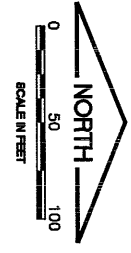
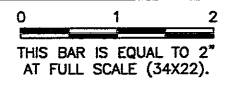
**CONSTRUCT SRE STORAGE FACILITY SITEWORK
 WATER MAIN
 PLAN & PROFILE**

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JOB No:	07085-03-10
IL. PROJ. NO. BMI-3773 AIP PROJ. NO. 3-17-0006	
SHEET 25 OF 44 SHEETS	

BL066

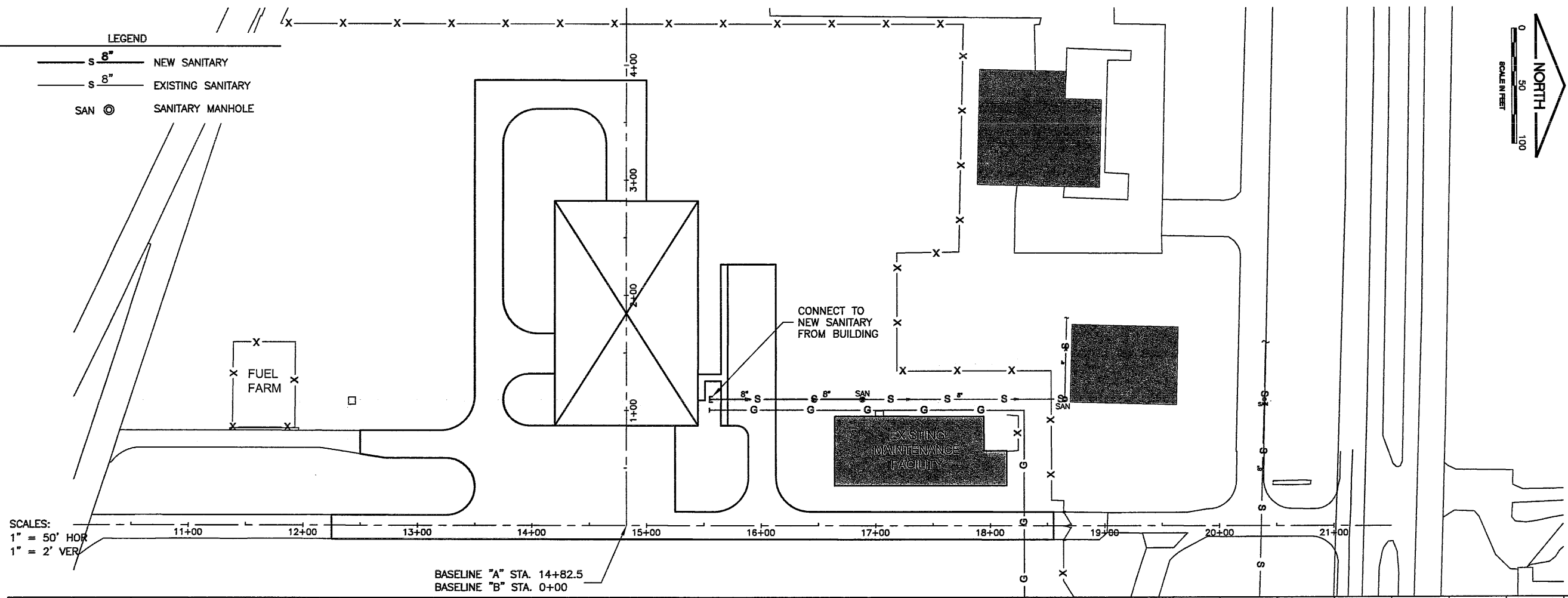
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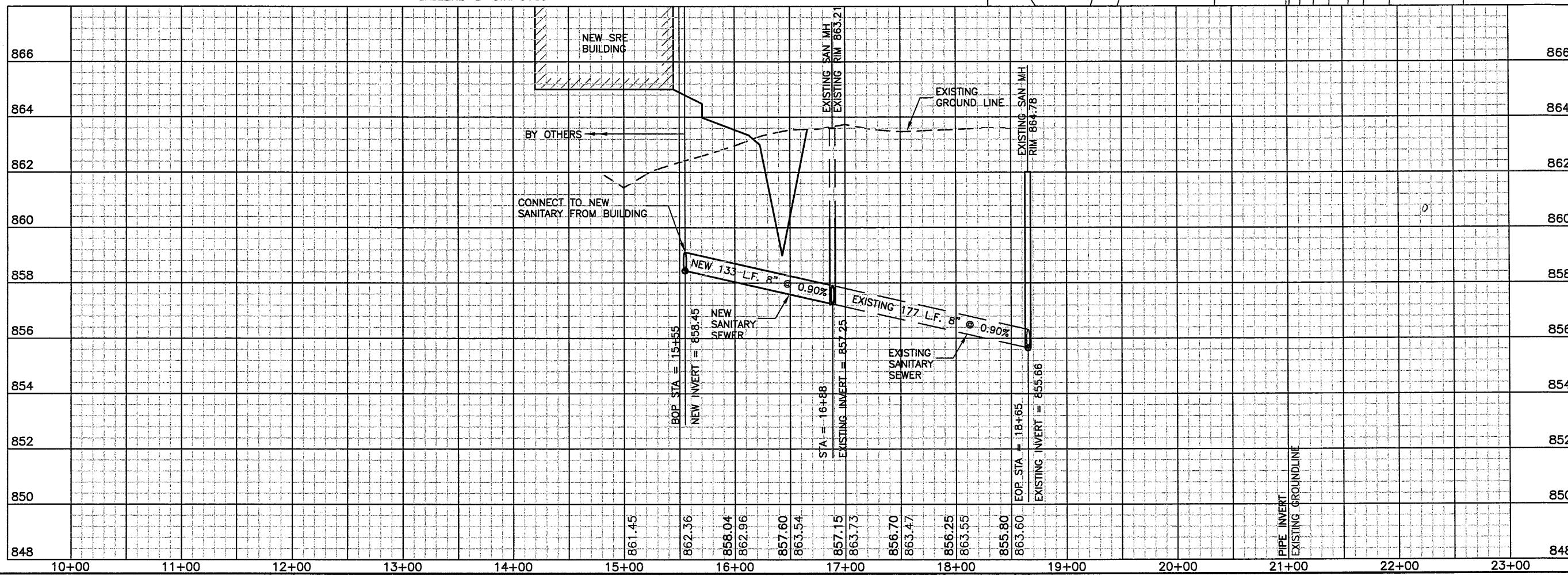
LEGEND

-
-
- SANITARY MANHOLE

SCALES:
 1" = 50' HOR
 1" = 2' VER



BASELINE "A" STA. 14+82.5
 BASELINE "B" STA. 0+00



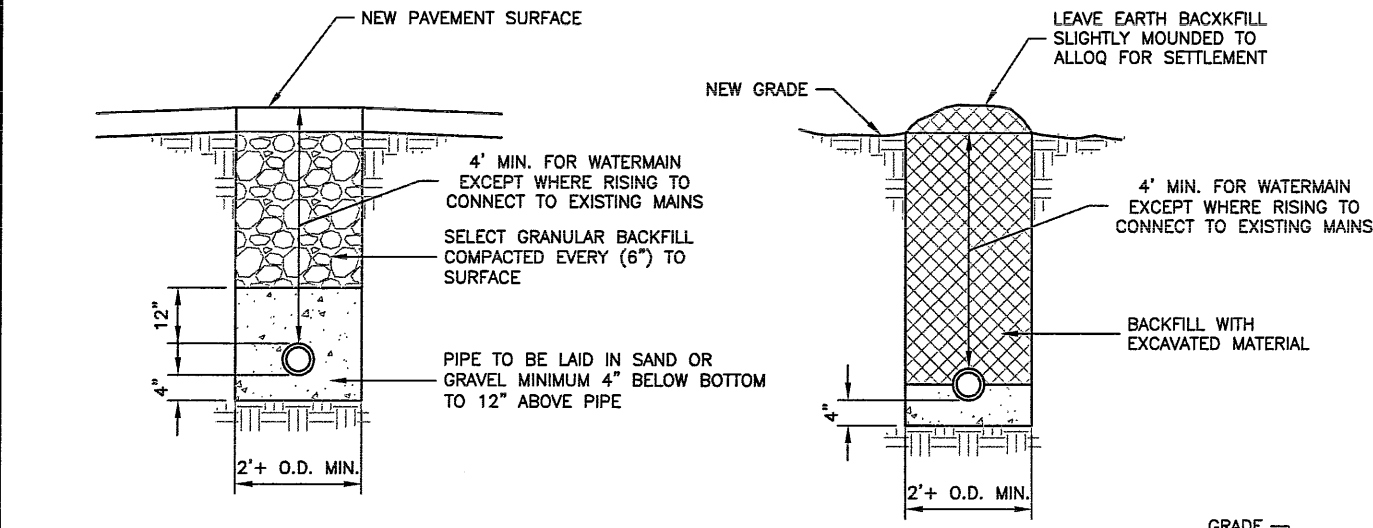
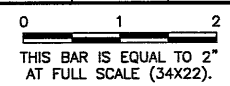
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 BLOOMINGTON, ILLINOIS**
**CONSTRUCT SRE STORAGE FACILITY SITWORK
 SANITARY SEWER
 PLAN & PROFILE**

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AIP PROJ. NO.	3-17-0006-XX
SHEET	26 OF 44 SHEETS

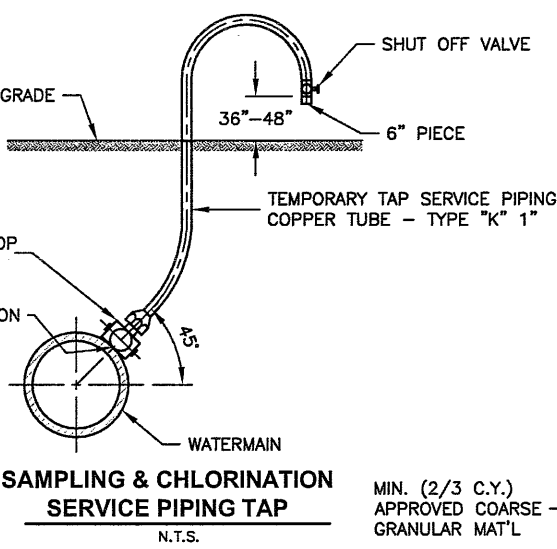
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NUMBER	BY	DATE



SEWER AND WATERMAIN INSTALLATION UNDER PAVEMENT DRIVEWAYS & SIDEWALKS
 N.T.S.

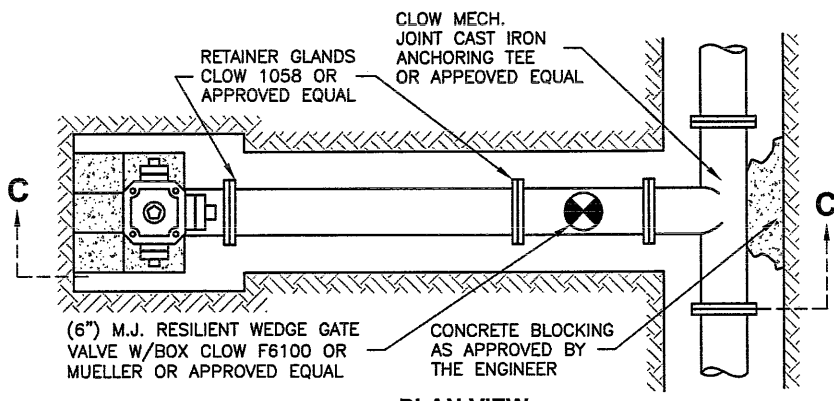
SEWER & WATERMAIN INSTALLATION IN TURF AREAS
 N.T.S.



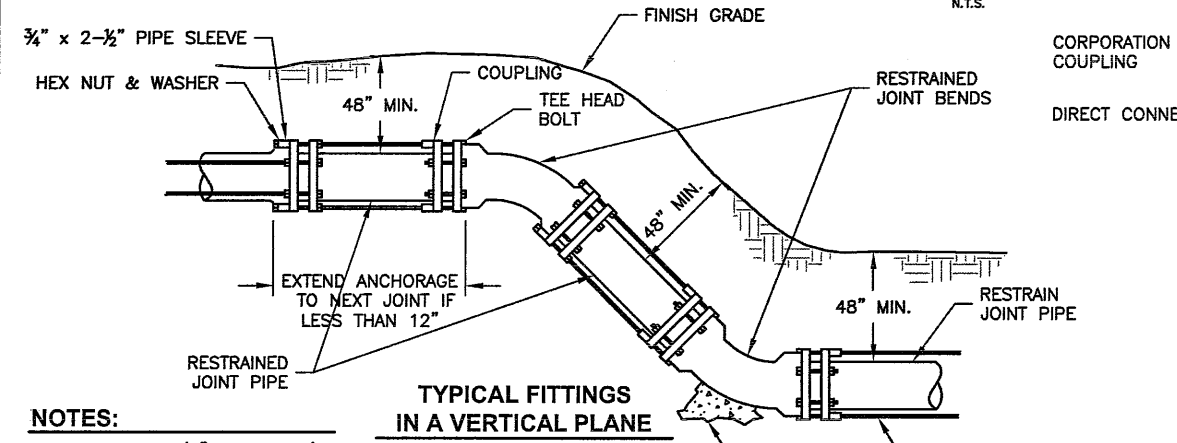
SAMPLING & CHLORINATION SERVICE PIPING TAP
 N.T.S.

NOTES:

FIRE HYDRANTS SHALL BE WATEROUS PACER, CLOW F2500, MUELLER MODERN CENTURIAN OR KENNEDY GUARDIAN. A STEAMER HYDRANT SHALL HAVE A MINIMUM (5-1/4") INTERNAL VALVE, TWO (2-1/2") HOSE NOZZLES WITH NATIONAL STANDARD THREADS, AND ONE (4") PUMPER NOZZLE WITH BLOOMINGTON STANDARD THREADS: 7 THREADS PER (1"), (0.247") DEEP. FOR ALL HYDRANTS, ALL BOLTS BELOW GROUND LEVEL SHALL BE STAINLESS STEEL. FIRE HYDRANTS SHALL RECEIVE A PRIME COAT OF PAINT PRIOR TO DELIVERY AND PAINTED ORANGE. PAINT COLOR SHALL BE APPROVED BY THE WATER RESOURCE MANAGER.

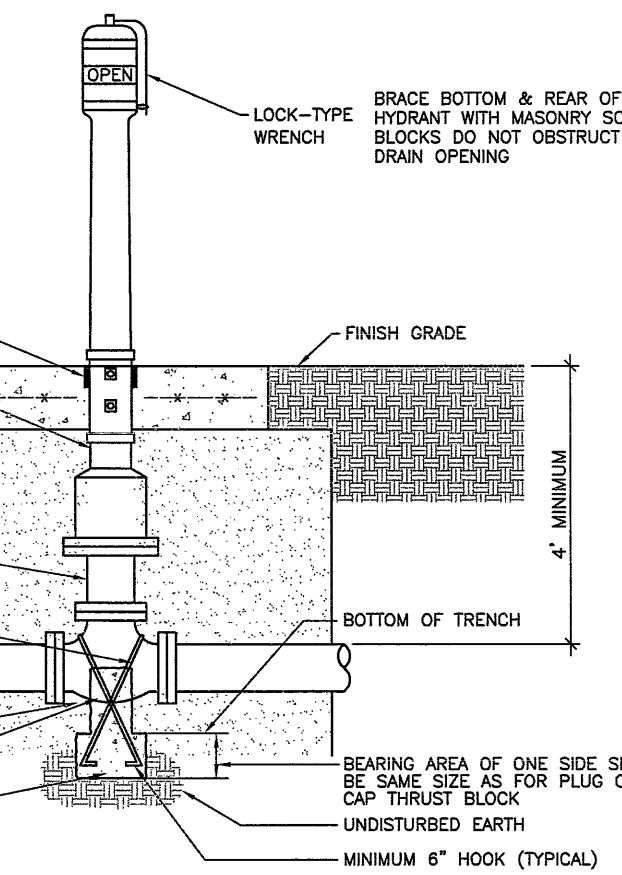


PLAN VIEW
 N.T.S.

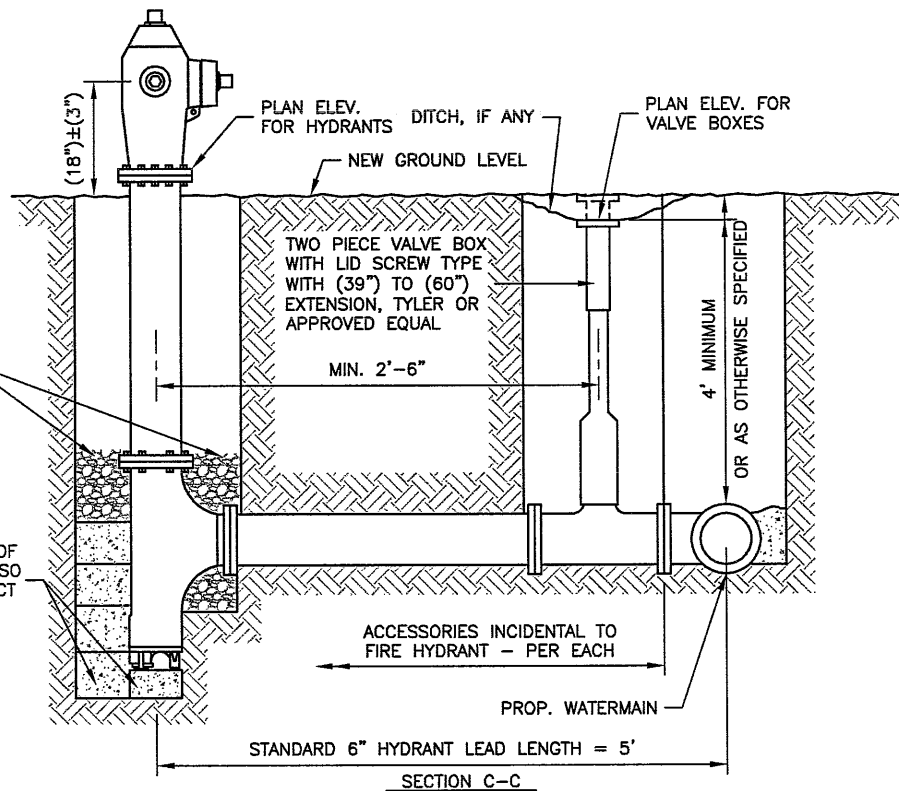


TYPICAL FITTINGS IN A VERTICAL PLANE
 N.T.S.

- NOTES:**
1. MIN. TWO 3/4" RODS REQ'D FOR 6" PIPE.
 2. ANCHORING PIPE & FITTINGS OR SET SCREW GLANDS MAY BE SUBSTITUTED FOR RODS WITH PRIOR APPROVAL OF THE ENGINEER.



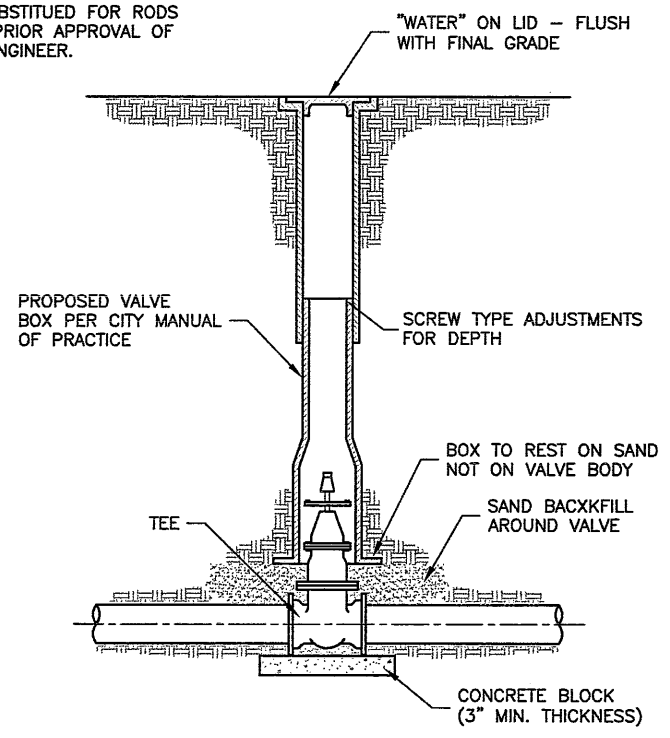
POST INDICATOR & VALVE (PIV) DETAIL
 N.T.S.



TYPICAL HYDRANT INSTALLATION
 N.T.S.

NOTES:

1. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION, DATED MAY 1996 SHALL APPLY TO THIS WORK.
2. ALL WATERMAIN MATERIALS SHALL BE MANUFACTURED IN COUNTRIES SIGNATORY TO THE NORTH AMERICAN FREE TRADE AGREEMENT AND SHALL MEET OR EXCEED AWWA SPECIFICATIONS.
3. ALL FIRE HYDRANTS, VALVES, AND FITTINGS SHALL BE RESTRAINED.



TYPICAL VALVE INSTALLATION
 N.T.S.

DIV. V / STANDARD DRAWING NO. 14

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS
CONSTRUCT SRE STORAGE FACILITY SITEWORK
WATER MAIN DETAILS

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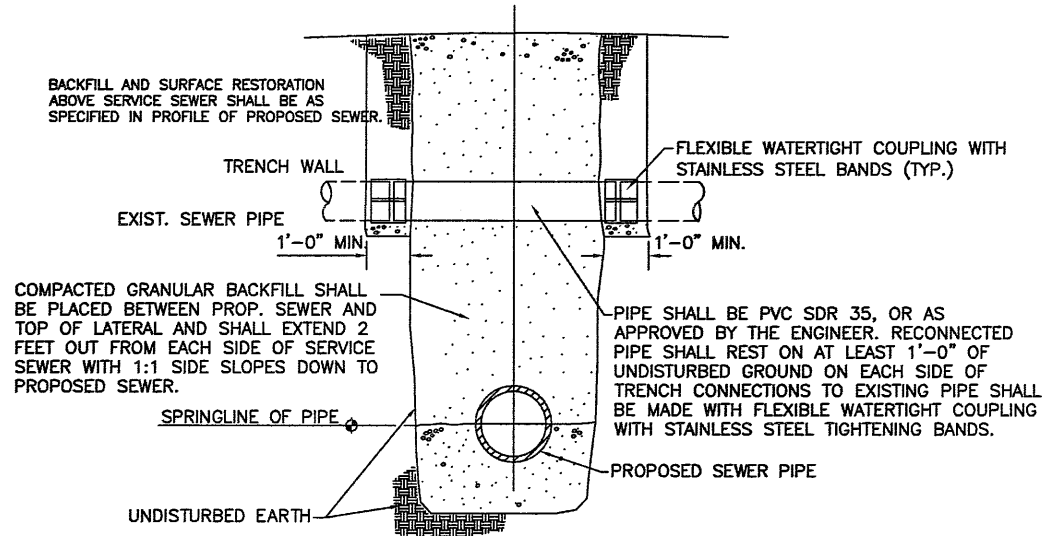
DESIGN BY:	KLB
DRAWN BY:	CMT
CHECKED BY:	<i>RW</i>
APPROVED BY:	<i>RW</i>
DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006
SHEET	27 OF 44 SHEETS

BL066

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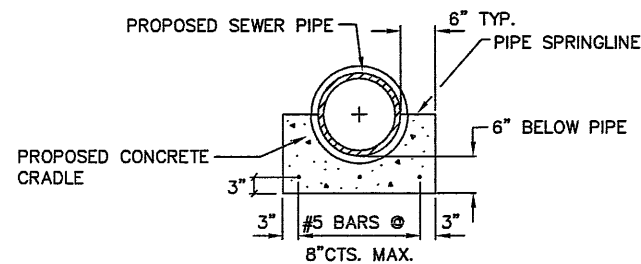
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2'
 AT FULL SCALE (34X22).



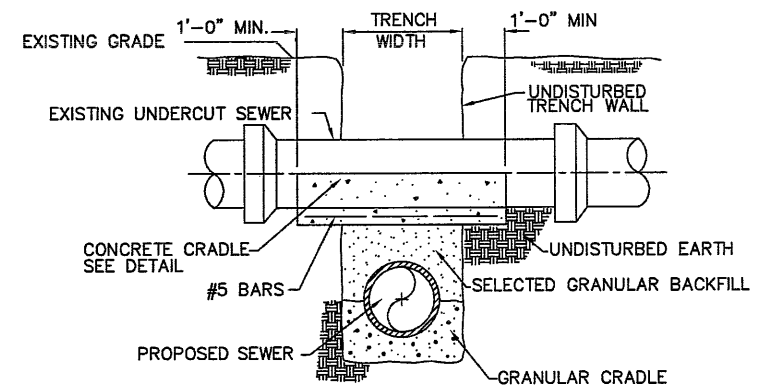
RECONNECTION OF SERVICE SEWER, FIELD TILE, OR LATERAL PIPE ACROSS TRENCH IF NECESSARY

N.T.S.



CONCRETE CRADLE DETAIL (IF NECESSARY)

N.T.S.



SECTION

SUPPORT OF UNDERCUT EXIST. SEWER (IF NECESSARY)

N.T.S.

NOTE:
 CONCRETE SUPPORT FOR AN UNDERCUT SEWER TO BE USED ONLY WHERE REQUIRED BY THE ENGINEER AND SHALL BE PAID FOR PER CUBIC YARD.

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS

CONSTRUCT SRE STORAGE FACILITY SITework
 SANITARY SEWER DETAILS

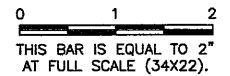
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DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006
SHEET	28 OF 44 SHEETS

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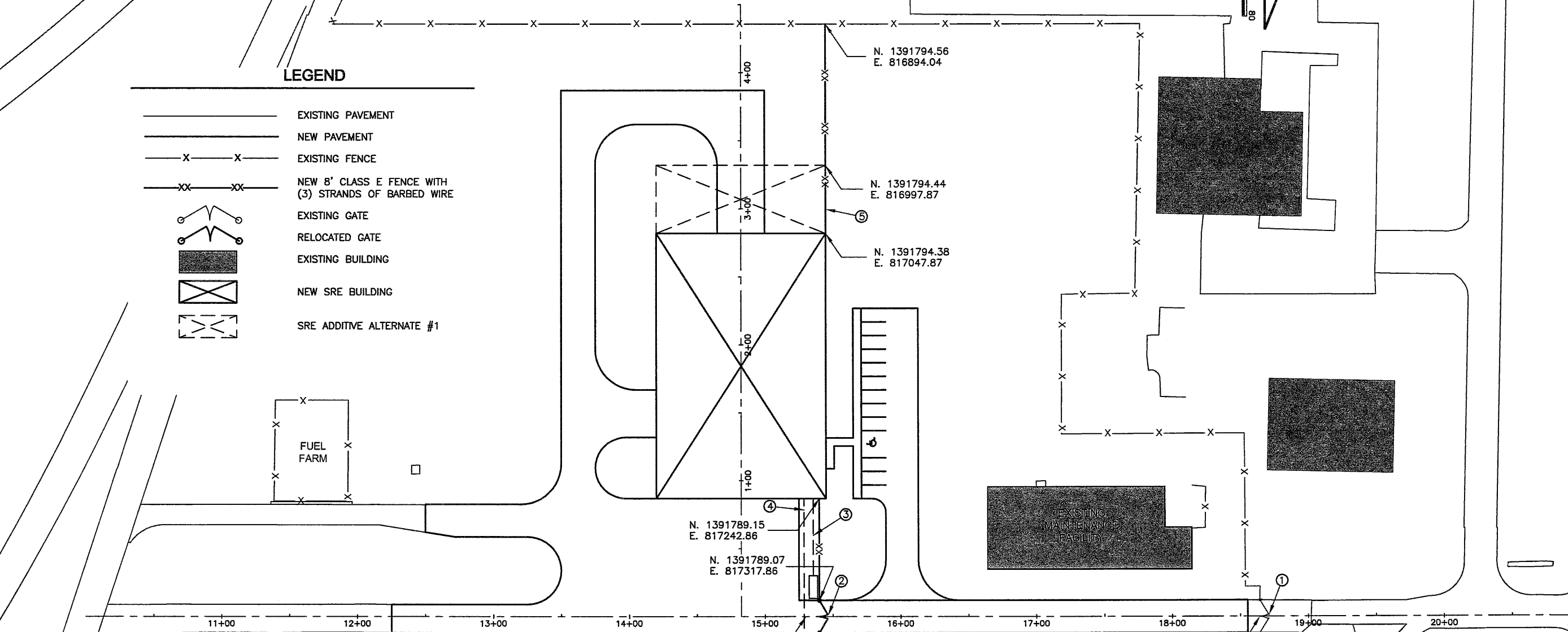
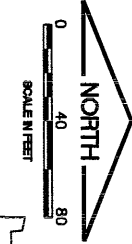
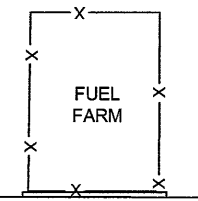
**BLOOMINGTON-NORMAL AIRPORT AUTHORITY
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**CONSTRUCT SRE STORAGE FACILITY SITEWORK
 FENCING PLAN**

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DATE:	JUNE 19, 2009
JOB No:	07085-03-10
IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006-XX
SHEET 29 OF 44 SHEETS	

LEGEND

- EXISTING PAVEMENT
- NEW PAVEMENT
- EXISTING FENCE
- NEW 8' CLASS E FENCE WITH (3) STRANDS OF BARBED WIRE
- EXISTING GATE
- RELOCATED GATE
- EXISTING BUILDING
- NEW SRE BUILDING
- SRE ADDITIVE ALTERNATE #1



NOTES:

- ① REMOVE AND RELOCATE GATE, INCLUDING ALL ASSOCIATED HARDWARE, GATE OPERATOR ACCESS CARD READERS, TELEPHONE, TELEPHONE SURGE ARRESTER, DIRECTORY DISPLAY, AND ALL ASSOCIATED SIGNAGE.
- ② INSTALL GATE IN NEW LOCATION. SEE DETAIL SHEETS.
- ③ GATE POWER CABLE IN 1" PVC CONDUIT AND GATE CONTROL CABLE IN 1-1/2" PVC CONDUIT, BY OTHERS. SEE DETAILS SHEET 1 FOR CONDUCTOR SIZES.
- ④ TELEPHONE CABLE IN 3/4" PVC CONDUIT, BY OTHERS. SEE DETAILS SHEET 1.
- ⑤ IF SITEWORK ADDITIVE ALTERNATIVE #1 IS AWARDED, 8' CLASS E FENCE QUANTITY WILL BE INCREASED BY APPROXIMATELY 50'.
- ⑥ GATE RELOCATION & FENCE REMOVAL SHALL NOT TAKE PLACE UNTIL THE NEW SRE BUILDING IS POWERED WITH THE ACTIVE RELOCATED SECURITY SYSTEM.

24' CLASS E ELECTRIC GATE - RELOCATED
 SEE RELOCATED ELECTRIC GATE DETAILS

RELOCATE EXISTING ELECTRIC GATE

REMOVE EXISTING CHAIN LINK FENCE - 215 LF

MEET AT EXISTING BUILDING CORNER
 N. 1391979.96
 E. 817505.71

MEET EXISTING FENCE AT
 N. 1392097.90
 E. 817543.66

N. 1391789.04
 E. 817341.86
 NEW 8' PERIMETER FENCE

N. 1391759.06
 E. 817433.22

N. 1391789.15
 E. 817242.86

N. 1391789.07
 E. 817317.86

N. 1391794.56
 E. 816894.04

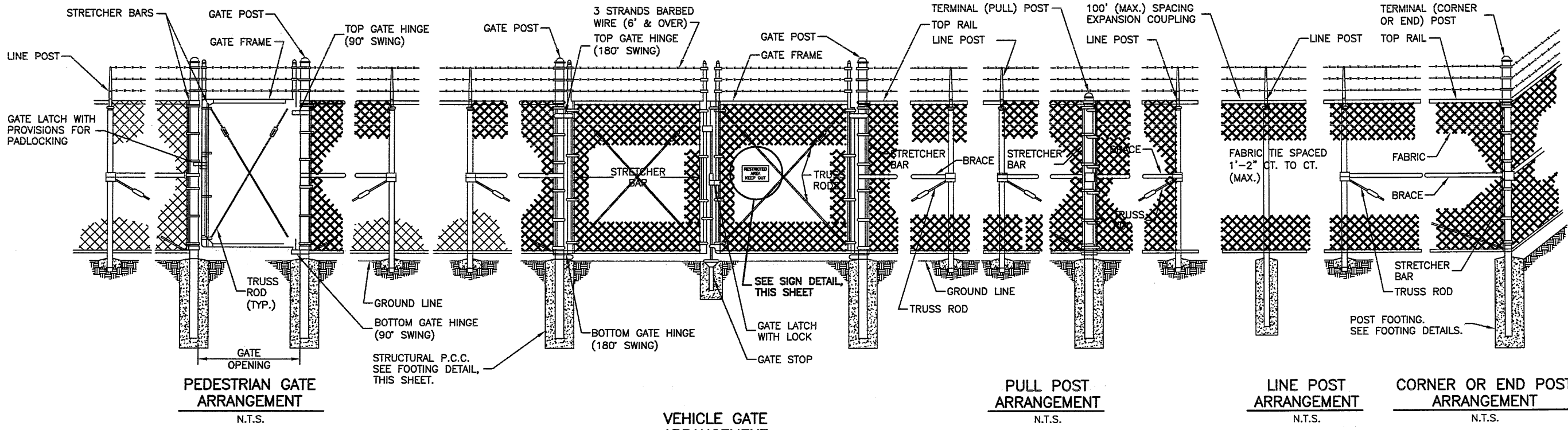
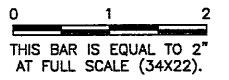
N. 1391794.44
 E. 816997.87

N. 1391794.38
 E. 817047.87

BUSINESS ACCESS ROAD

BL066

REVISIONS		
NUMBER	BY	DATE



PEDESTRIAN GATE ARRANGEMENT
N.T.S.

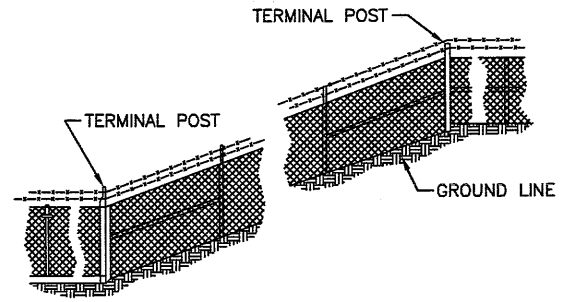
VEHICLE GATE ARRANGEMENT
N.T.S.

PULL POST ARRANGEMENT
N.T.S.

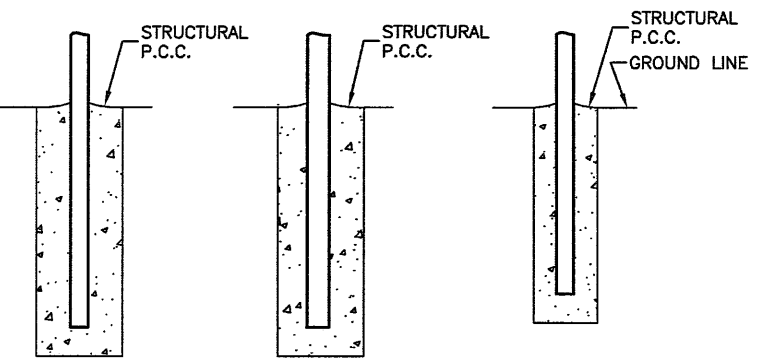
LINE POST ARRANGEMENT
N.T.S.

CORNER OR END POST ARRANGEMENT
N.T.S.

PULL POSTS SHALL BE PLACED AT LOCATIONS DETERMINED BY THE ENGINEER. THEY SHALL BE PLACED AT 660 FT. INTERVALS BETWEEN POSTS TO WHICH THE ENDS OF THE FABRIC ARE CLAMPED OR MIDWAY BETWEEN SUCH POSTS WHEN THE DISTANCE IS LESS THAN 1320 FT. AND GREATER THAN 660 FT.



FENCE INSTALLATION ON SLOPES
N.T.S.

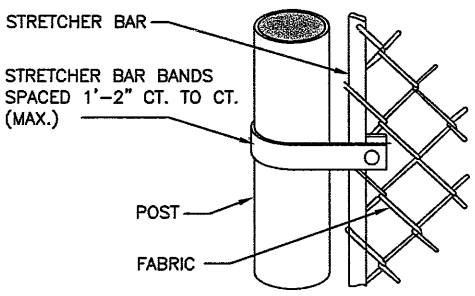


TERMINAL POST

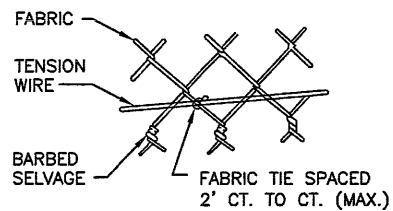
GATE POST

LINE POST

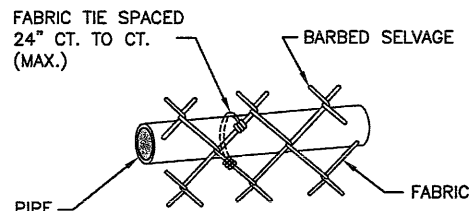
FOOTING DETAILS
N.T.S.



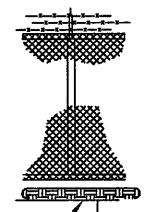
FASTENING STRETCHER BAR TO POST
N.T.S.



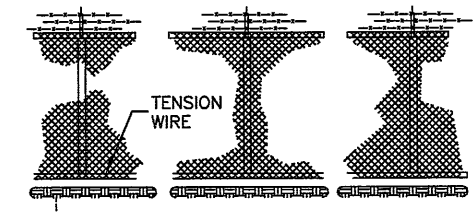
TYING FABRIC TO TENSION WIRE
N.T.S.



TYING FABRIC TO PIPE
N.T.S.



STANDARD GROUND

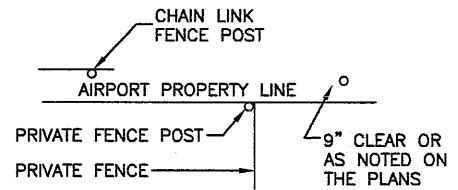


COUNTERPOISE GROUND (ALTERNATE)

PROTECTIVE ELECTRICAL GROUND DETAILS
N.T.S.

WHERE FENCE LINE HAS A CHANGE IN DIRECTION OF 15° OR MORE, A TERMINAL POST SHALL BE PLACED AS SHOWN ABOVE. WHERE ANGLE IS LESS THAN 15° AND EXISTING CONDITIONS REQUIRE A TERMINAL POST, THEY SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

INSTALLATION AT CORNERS
N.T.S.



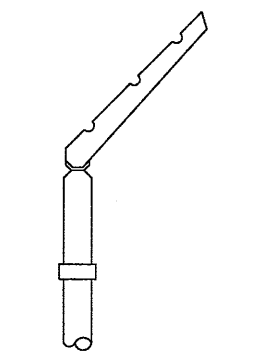
PRIVATE FENCE TERMINAL
N.T.S.



0.08 GA. ALUMINUM ALLOY SHEET (LETTERING COLOR SHALL BE RED)

EACH GATE SHALL REQUIRE TWO SIGNS. EVERY 100' OF FENCE SHALL REQUIRE ONE SIGN.

SIGN DETAIL
N.T.S.



BARBED WIRE ARM ON LINE POST
N.T.S.

- NOTES**
1. CONTINUOUS FENCE SHALL BE GROUNDED AT INTERVALS NOT EXCEEDING 1000 FT. EXCEPT THERE SHALL BE A GROUND NOT EXCEEDING 100 FT. FROM GATE IN EACH SECTION OF THE FENCE ADJACENT TO THE GATE.
 2. FENCE UNDER POWER LINES SHALL BE GROUNDED BY 3 GROUNDS, ONE DIRECTLY UNDER THE CROSSING AND ONE ON EACH SIDE 25 TO 50 FT. AWAY. A SINGLE GROUND SHALL BE LOCATED DIRECTLY UNDER EACH TELEPHONE WIRE OR CABLE CROSSINGS.
 3. THE COUNTERPOISE SHALL BE USED ONLY WHERE IT IS IMPOSSIBLE TO DRIVE A GROUND ROD BECAUSE OF IMPERVIOUS EARTH STRUCTURES.
 4. THE GROUND WIRE SHALL BE CONNECTED TO THE FABRIC AND THE GROUND ROD BY A MECHANICAL CLAMP OF CAST BRONZE BODY AND BRONZE OR STAINLESS STEEL BOLTS AND WASHERS. WHEN A TENSION WIRE IS REQUIRED, THE BOTTOM CONNECTION OF THE GROUND WIRE SHALL BE MADE TO THE TENSION WIRE.
 5. ALL PROPOSED CLASS E FENCE SHALL MEET THE REQUIREMENTS OF IDOT STANDARD 2168-11.

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS

CONSTRUCT SRE STORAGE FACILITY SITework
 FENCE DETAILS 1

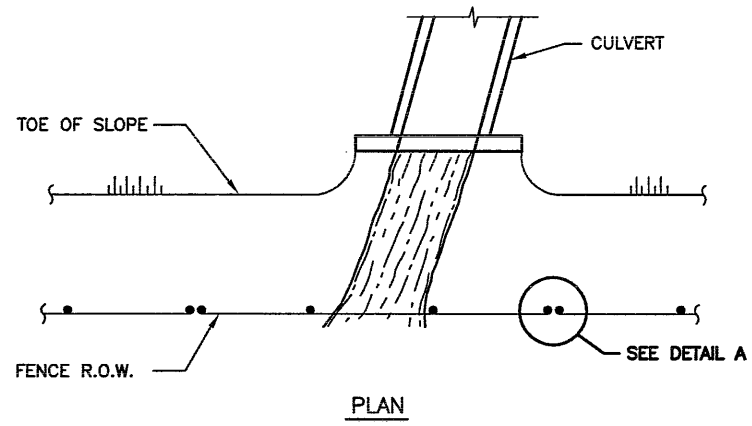
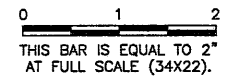
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SHEET	30 OF 44 SHEETS

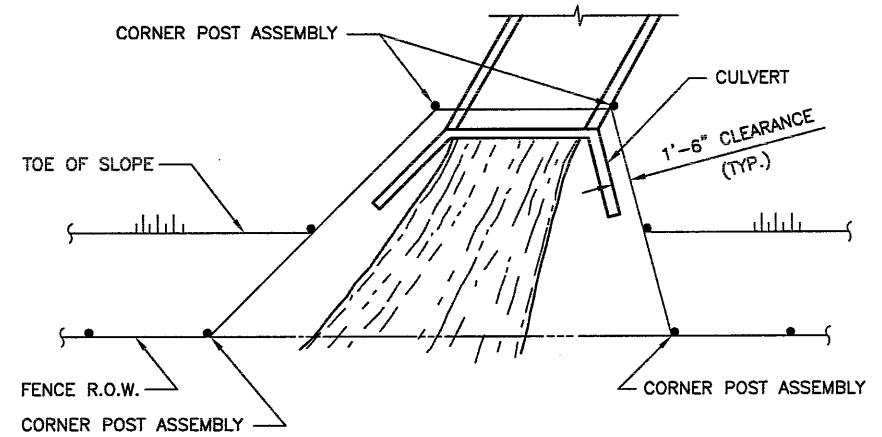
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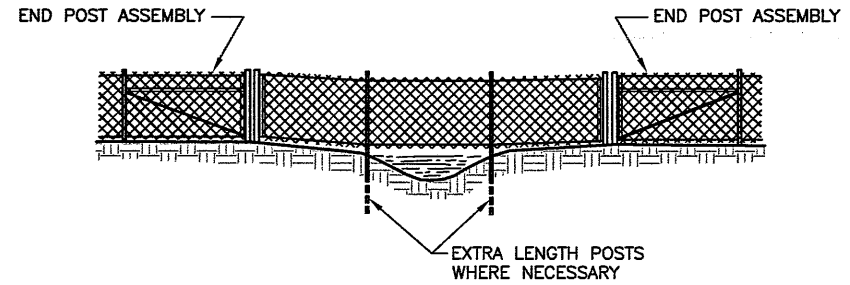
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PLAN

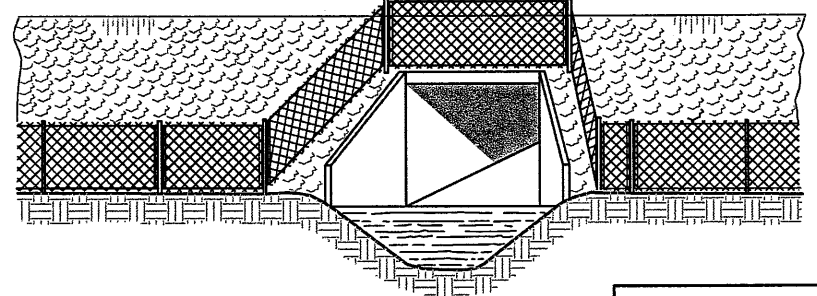


PLAN



ELEVATION

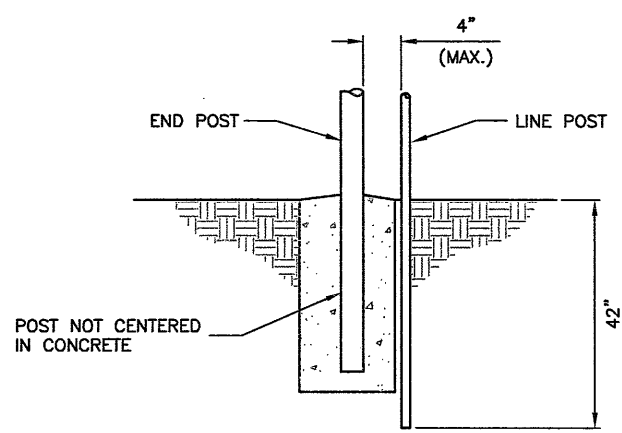
THE CHAIN LINK FABRIC SHALL BE REPLACED BY BARBED WIRE STRANDS AT 12" MAXIMUM CENTERS BETWEEN THE DOUBLE POSTS SHOWN ON DETAIL A WHEN SHOWN ON THE PLANS.



ELEVATION

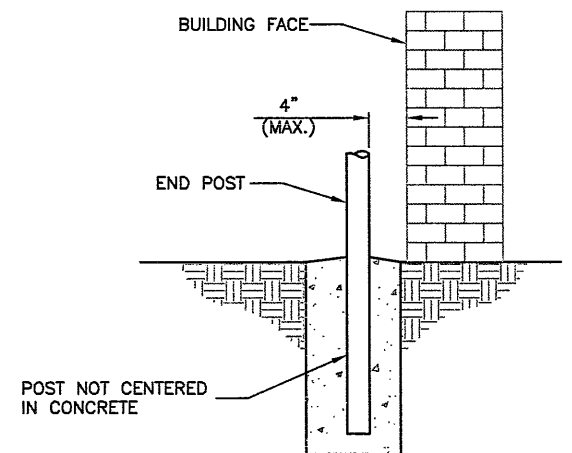
WHEN THE WIDTH OF THE CULVERT MAKES IT NECESSARY TO ANCHOR A POST TO THE TOP OF THE CULVERT, A CAST IRON SHOE OR OTHER DEVICE APPROVED BY THE ENGINEER SHALL BE USED.

FENCE INSTALLATION AROUND HEADWALL DETAILS
 N.T.S.



DETAIL A

FENCE INSTALLATION OVER STREAM DETAILS
 N.T.S.



N.T.S.

FENCE INSTALLATION AT BUILDING FACE
 N.T.S.

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS

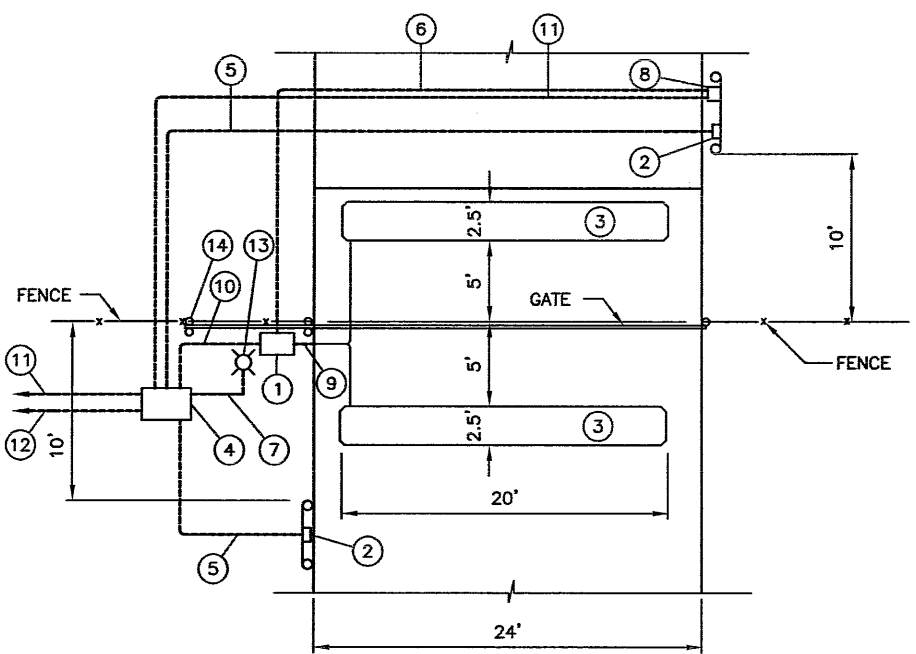
CONSTRUCT SRE STORAGE FACILITY SITEWORK
 FENCE DETAILS 2

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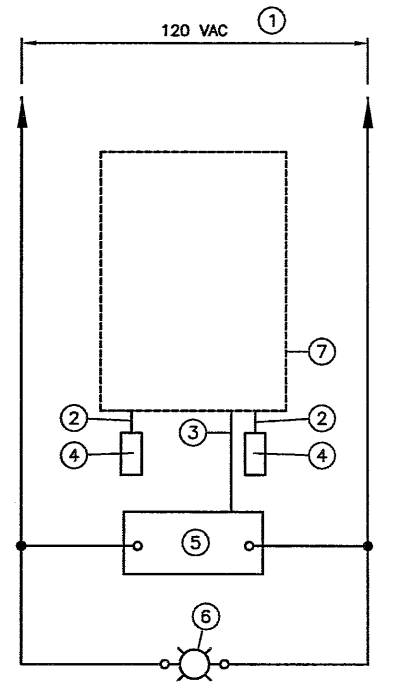
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AIP PROJ. NO.	3-17-0006
SHEET	31 OF 44 SHEETS

GATE PLAN NOMENCLATURE

- ① RELOCATE EXISTING CANTILEVER GATE OPERATOR. CONSTRUCT NEW FOUNDATION, SEE DETAILS - 2.
- ② RELOCATE EXISTING LONG RANGE CARD READER. CONSTRUCT NEW FOUNDATION, SEE DETAILS - 2.
- ③ NEW DETECTOR LOOPS.
- ④ RELOCATE POLYMER CONCRETE HANDHOLE. HANDHOLE IS SOLID-BOTTOM DESIGN QUAZITE/HUBBELL #PG-2436-DA-42 WITH #PG-2436-HA-00-17 COVER. HANDHOLE RELOCATION SHALL BE INCIDENTAL TO GATE RELOCATION PAY ITEM.
- ⑤ NEW 1" PVC CONDUIT. 6-CONDUCTOR #18 SHIELDED CABLE BY OTHERS IN 1" PVC CONDUIT.
- ⑥ NEW #10 GROUND FROM TELEPHONE LIGHTNING ARRESTOR. CONNECT TO GATE OPERATOR GROUND LUG.
- ⑦ NEW TWO #12 THWN (120V), ONE #12 GROUND IN 3/4" CONDUIT TO LIGHT FIXTURE.
- ⑧ RELOCATE EXISTING WEATHERPROOF TELEPHONE.
- ⑨ NEW LOOP DETECTOR CABLES IN CONDUIT.
- ⑩ NEW TWO #12 THWN (120V), ONE #12 GROUND IN 3/4" CONDUIT. SPLICE TO FEEDERS FROM SRE BUILDING IN HANDHOLE. - NEW 2/C #14 SHIELDED CABLE (GATE OPEN CONTROL FROM MAINTENANCE BUILDING IN 3/4" CONDUIT.
- ⑪ NEW TELEPHONE CABLE IN 1" PVC CONDUIT. CONDUIT AND CABLE BY OTHERS.
- ⑫ NEW TWO #4 THWN (120V), ONE #8 GROUND IN 1" CONDUIT TO MAINTENANCE BUILDING, BY OTHERS, - NEW TWO 6-CONDUCTOR #18 SHIELDED CABLES (CARD READERS), 2/C #14 SHIELDED CABLE (GATE OPERATOR CONTROL) IN 1-1/2" CONDUIT TO MAINTENANCE BUILDING, BY OTHERS.
- ⑬ NEW AREA LIGHT MOUNTED ON 15' TALL POLE. FIXTURE SHALL BE PHOTO-CELL CONTROLLED, 150W METAL HALIDE LITHONIA KSE-150M-R4SC-120-SPO4-LPI-PER-PE1-DDB. POLE SHALL BE LITHONIA SSA-15-4C WITH ANCHOR BOLTS. COLOR SHALL BE BRONZE.
- ⑭ NEW GATE POST. TYPICAL OF 5.



GATE PLAN
N.T.S.



NEW GATE OPERATOR POWER AND CONTROL BLOCK DIAGRAM
N.T.S.

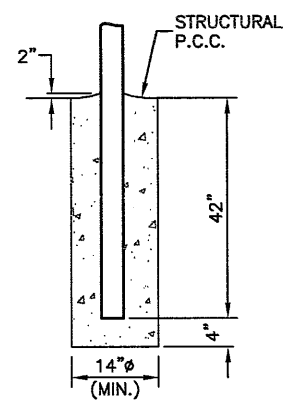
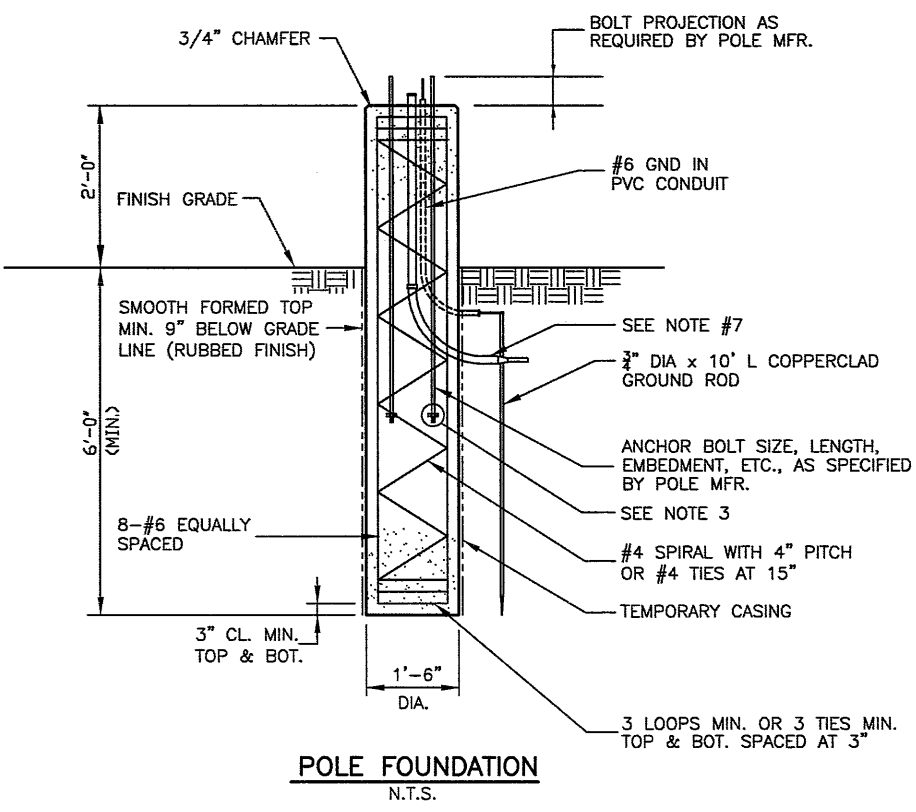
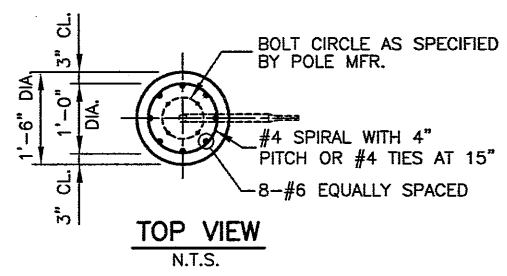
GATE POWER AND CONTROL BLOCK DIAGRAM NOMENCLATURE

- ① 120V POWER WIRING FROM EXISTING PANELBOARD CIRCUIT BREAKER. SEE ELECTRICAL GATE SITE PLAN FOR WIRE AND CONDUIT SIZES.
- ② 6-CONDUCTOR #18 SHIELDED CABLE (CONTRACTOR SHALL VERIFY WITH CARD READER SUPPLIER).
- ③ 2/C #14 SHIELDED CABLE (GATE OPEN CONTROL).
- ④ CARD READER, LOCATED AT NEW GATE.
- ⑤ NEW GATE OPERATOR.
- ⑥ EXISTING AREA LIGHT.
- ⑦ ACCESS CONTROLLER IN MAINTENANCE BLDG.

ALL SPLICES SHALL BE MADE USING TWIST-ON CONNECTORS PRE-FILLED WITH SILICONE-BASED SEALANT TO PROTECT AGAINST MOISTURE AND CORROSION.

LIGHT POLE FOUNDATION NOTES

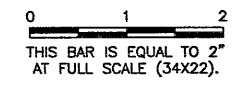
- 1. CONCRETE SHALL BE CAST MONOLITHICALLY. NO CONSTRUCTION JOINTS SHALL BE ALLOWED.
- 2. THE ANCHOR BOLTS FOR THE POLE SHALL BE DESIGNED BY THE POLE MANUFACTURER.
- 3. A NUT SHALL BE INSTALLED ON THE EMBEDDED END OF THE ANCHOR ROD. DEFORM THREAD OR USE CHEMICAL THREAD LOCK TO SECURE NUT.
- 4. THE MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 3500 P.S.I. @ 14 DAYS (IDOT CLASS SI).
- 5. THE REINFORCEMENT SHALL CONFORM TO ASTM A-615 GRADE 60.
- 6. #4 LAP=2'-0" MIN.
- 7. WIRING FOR LIGHT FIXTURE AS NEEDED.



GATE POST FOOTING
N.T.S.

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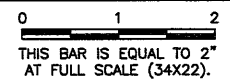
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CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS
CONSTRUCT SRE STORAGE FACILITY SITEWORK
RELOCATE ELECTRIC GATE DETAILS 1

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SHEET 32 OF 44 SHEETS	

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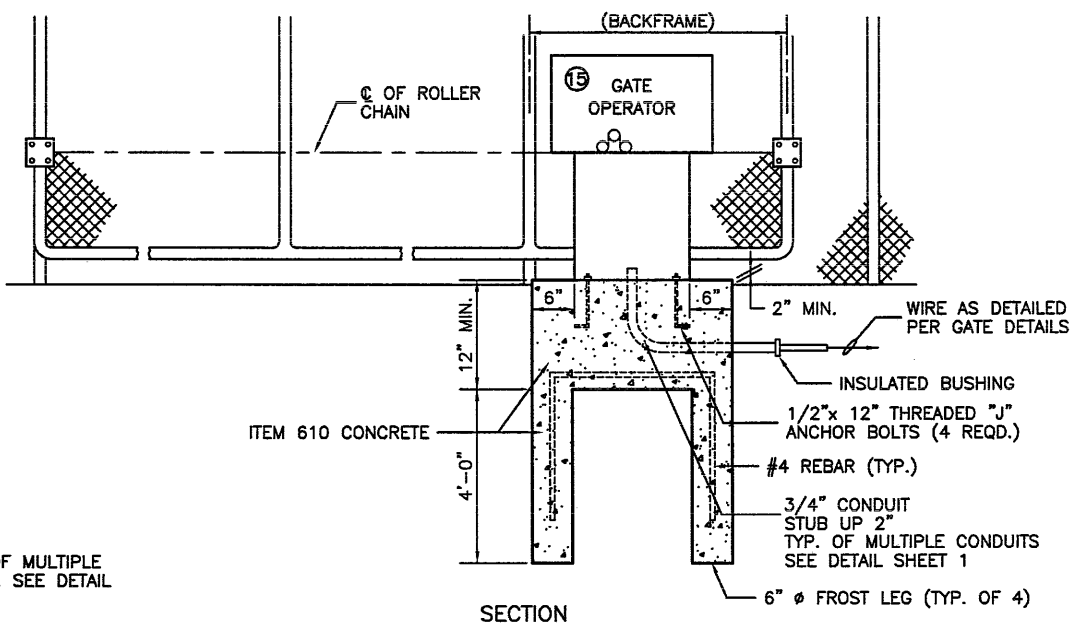
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BLOOMINGTON, ILLINOIS
CONSTRUCT SRE STORAGE FACILITY SITework
RELOCATE ELECTRIC GATE DETAILS 2

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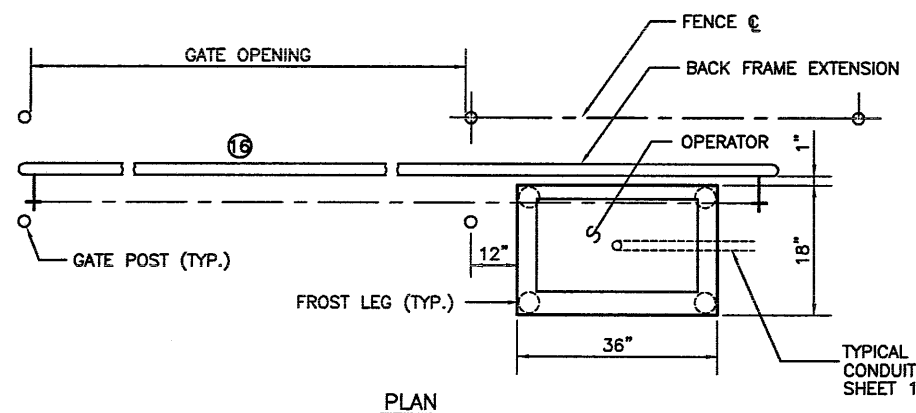
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SHEET 33 OF 44 SHEETS	

CARD READER & TELEPHONE NOMENCLATURE

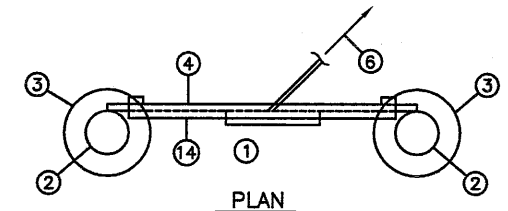
- ① RELOCATE LONG RANGE CARD READER.
- ② NEW CONCRETE-FILLED 6" DIAMETER STEEL POST, PAINTED YELLOW.
- ③ NEW CONCRETE FOUNDATION.
- ④ RELOCATED 2" WIDE x 1/4" THICK STEEL, WELDED TO 6" PIPE AND PAINTED YELLOW.
- ⑤ AS RECOMMENDED BY GATE OPERATOR INSTALLER, NOMINALLY 42".
- ⑥ NEW 1" CONDUIT. 6-CONDUCTOR #18 SHIELDED CABLE BY OTHERS.
- ⑦ RELOCATE WEATHERPROOF TELEPHONE
- ⑧ RELOCATE SIGN, 1" HIGH BLACK LETTERS ON WHITE BACKGROUND, THAT READS AS FOLLOWS:
 M1 MAINTENANCE OFFICE: 7662-3513
 M2 AIRPORT ADMIN. OFFICE: 7663-7384
 M3 AIRPORT SECURITY: 7663-7363
 M4 IMAGE AIR: 7663-2303
 M5 PLATINUM JET CTR.: 7662-7454
- ⑨ NEW 1" PVC CONDUIT. TELEPHONE CABLE BY OTHERS.
- ⑩ RELOCATE NEMA 4X HINGED COVER JUNCTION BOX WITH TELEPHONE LINE SURGE ARRESTOR.
- ⑪ NEW #10 GROUND IN 1" PVC CONDUIT.
- ⑫ NEW 3/4" DIAMETER x 10' LONG COPPERCLAD GROUND ROD, MIN. BURY: 1'-0". CONNECTION OF GROUND WIRES TO GROUND ROD SHALL BE VIA EXOTHERMIC WELD, CADWELD, OR EQUIVALENT. BOLTED CONNECTIONS ARE NOT ACCEPTABLE.
- ⑬ NEW #10 GROUND WIRE DIRECT BURIED TO GROUND LUG OF GATE OPERATOR.
- ⑭ RELOCATE DIRECTORY DISPLAY SIGN
- ⑮ RELOCATE EXISTING GATE OPERATOR
- ⑯ RELOCATE EXISTING GATE



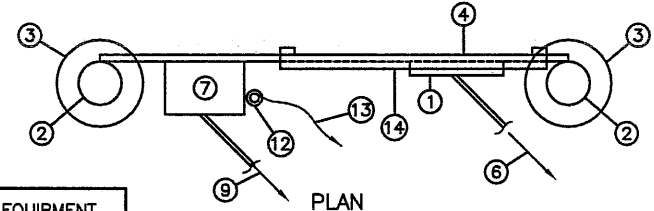
GATE OPERATOR DETAILS
N.T.S.



PLAN

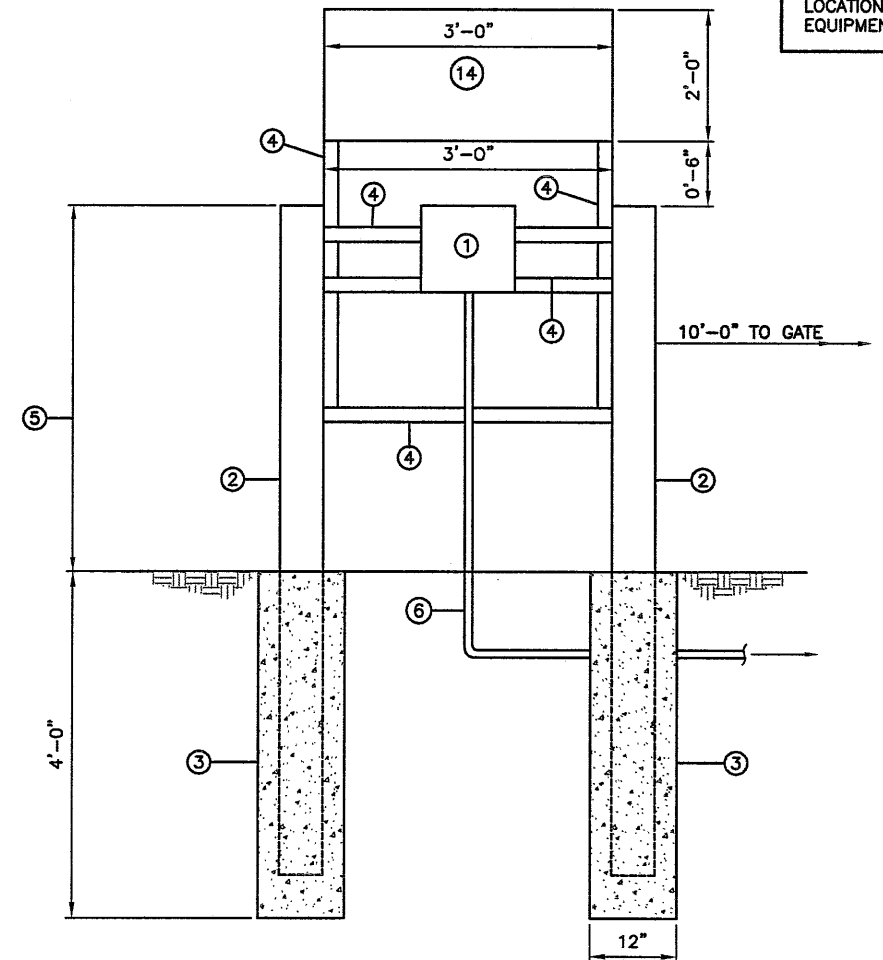


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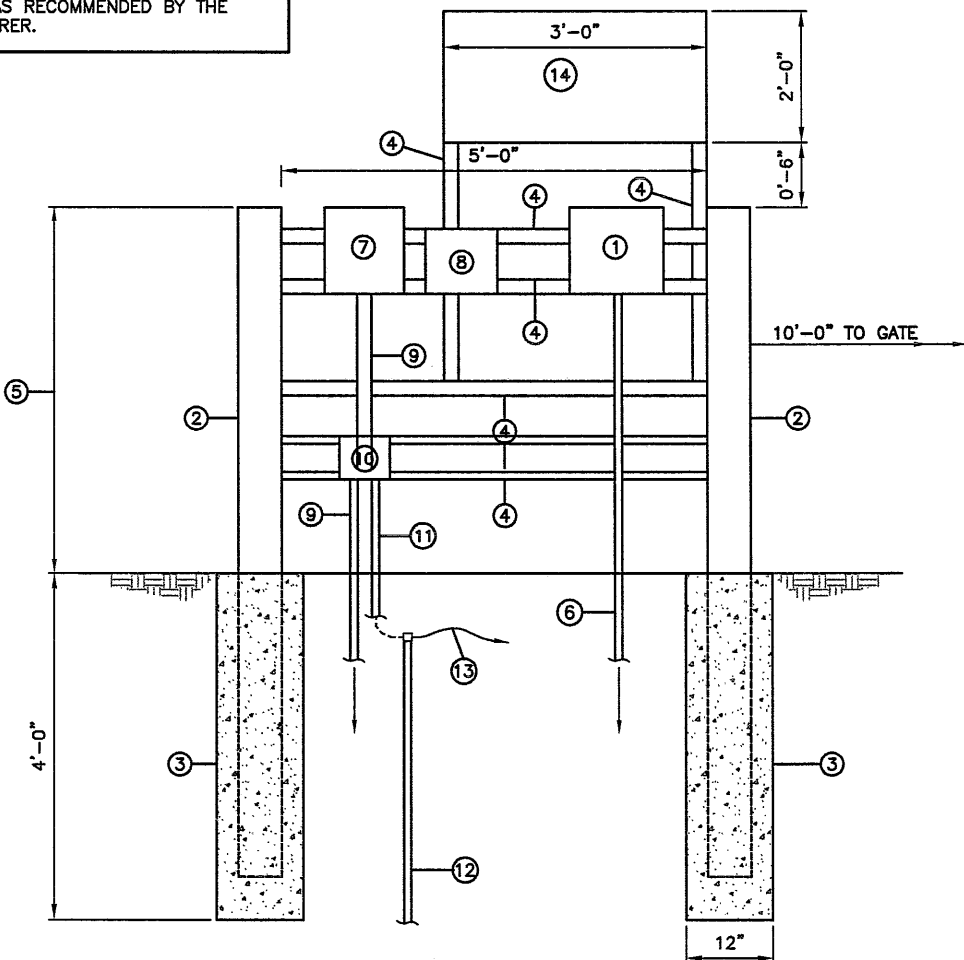


PLAN

LOCATIONS, DETAILS AND CHARACTER OF EQUIPMENT SHOWN ON THIS SHEET ARE GENERIC. EQUIPMENT LOCATIONS SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.



CARD READER INSTALLATION
N.T.S.



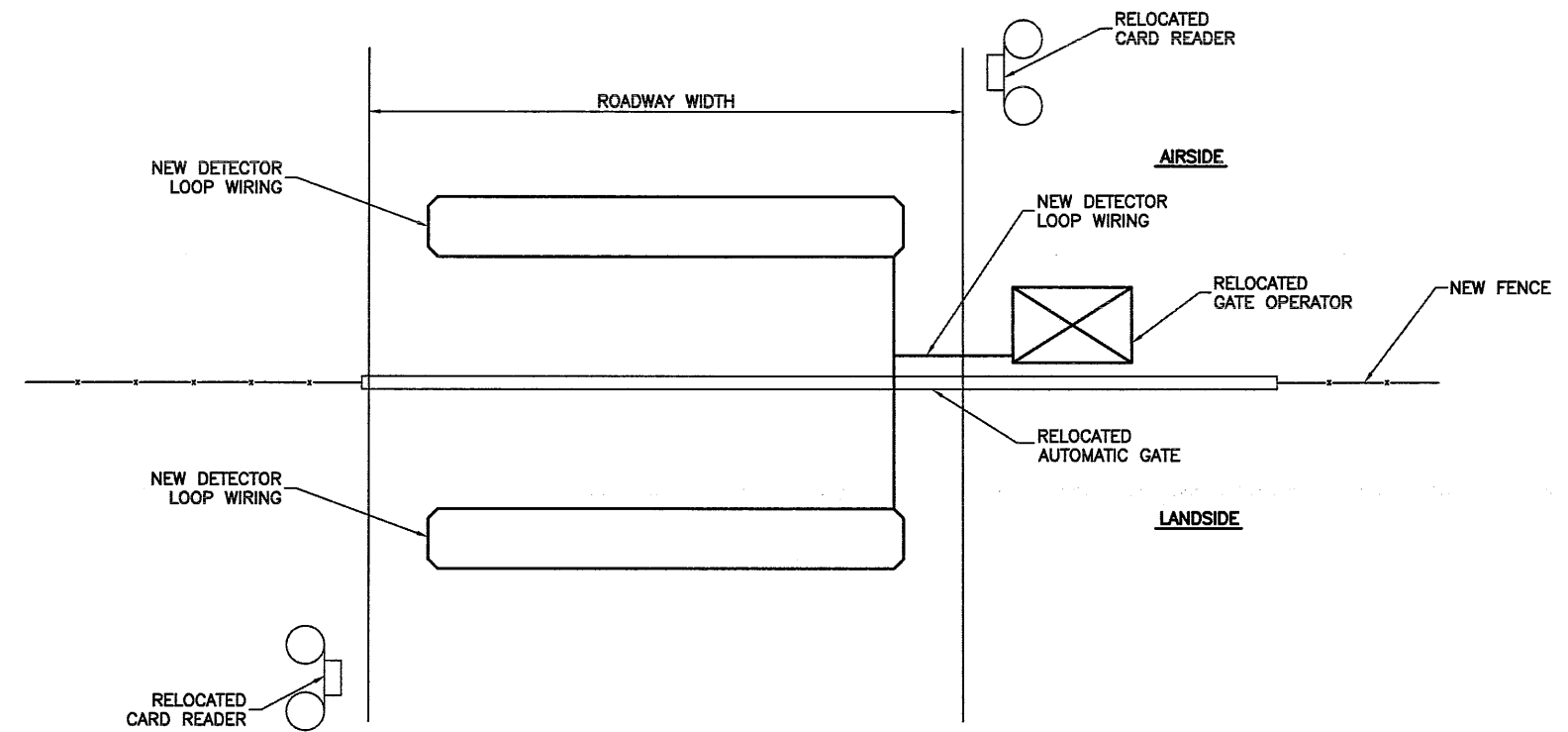
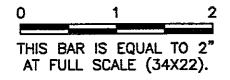
CARD READER & TELEPHONE INSTALLATION (LAND SIDE)
N.T.S.

ELEVATION

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TYP. GATE PLAN
N.T.S.

NOTE:
 LOCATIONS, DETAILS AND CHARACTER OF EQUIPMENT SHOWN ON THIS SHEET ARE GENERIC. EQUIPMENT LOCATION SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.

SUMMARY OF OPERATION

1. THE GATES SHALL HAVE AN AUTOMATIC GATE OPERATOR WITH TWO PROXIMITY CARD READERS AND REMOTE GATE OPEN CONTROL FROM ACCESS CONTROLLER IN MAINTENANCE BLDG. ONCE THE GATE IS OPENED IT WILL REMAIN OPEN FOR THE TIME SPECIFIED BY THE OWNER AFTER THE LOOP PICKUPS DETERMINE THAT THERE ARE NO VEHICLES OVER THE PICKUP LOOPS.
2. ACTUATING THE GATE OPENERS VIA THE CARD READER REQUIRES THE VEHICLE TO APPROACH THE GATE ENTRANCE AND STOP. THE DRIVER ACTIVATES THE GATE OPERATOR BY SWEEPING HIS CARD. THE ACCESS CONTROL DEVICE TRANSMITS AN IMPULSE TO ACTIVATE THE GATE OPERATOR TO OPEN THE GATE. AFTER THE GATE IS FULLY OPENED AND STOPPED, THE VEHICLE PROCEEDS THROUGH THE OPENING, PASSING OVER THE LOOPS. WHILE THE VEHICLE IS IN THE LOOP SENSING RANGE, AN IMPULSE IS TRANSMITTED TO THE GATE OPERATOR TO HOLD THE GATE IN THE OPEN POSITION. WHEN THE LOOP HAS BEEN CLEARED, THE AUTOMATIC TIMER IS ACTIVATED AND, WHEN THE USER-DETERMINED TIME HAS ELAPSED, IT WILL ACTIVATE THE GATE OPERATOR TO CLOSE THE GATE.

NOTES

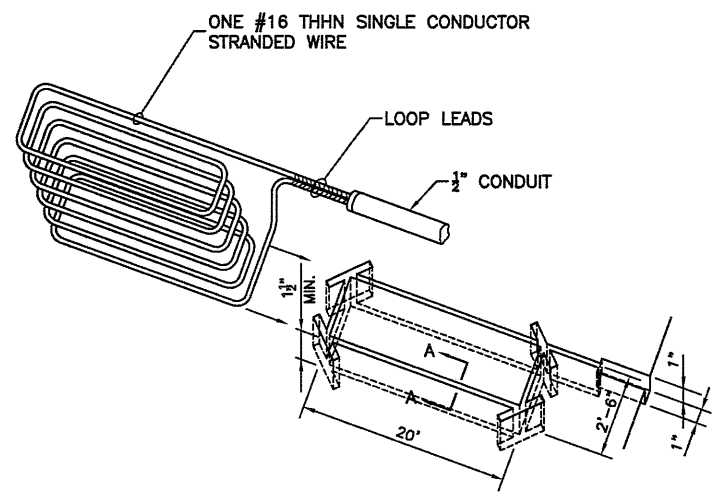
1. LOOP LEADS ARE LIMITED TO 100 FEET.
2. LOOP LEADS MUST HAVE FOUR (4) TWISTS PER FOOT.
3. LOOP AND LOOP LEADS MUST BE LOCATED, AT LEAST, 18" FROM ANY ELECTRICAL POWER SERVICE OR STEEL REINFORCEMENT.
4. LOOP LEADS MUST BE IN SEPARATE CONDUIT BETWEEN LOOP AND DETECTOR. THEY MUST NOT SHARE CONDUIT WITH OTHER WIRING OR LEADS FROM OTHER LOOPS.
5. WIRE SHALL BE #16 THHN SINGLE CONDUCTOR STRANDED WIRE.
6. ALL WIRE SHALL BE CONTINUOUS WITHOUT SPLICING.

CAUTION:

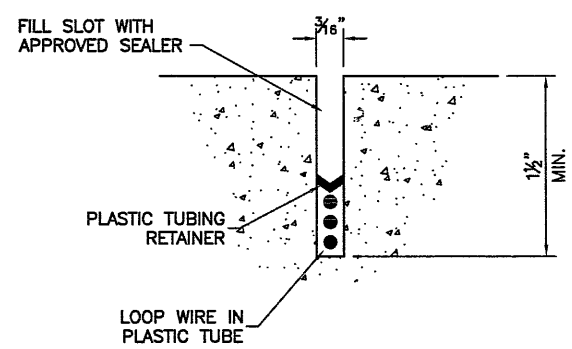
- DO NOT SPLICE WIRE.
- DO NOT FRACTURE WIRE INSULATION. LOOPS SHORTED TO GROUND WILL CAUSE DETECTOR MALFUNCTION. WHEN PLACING WIRE IN THE SLOT. DO NOT USE SCREWDRIVER OR OTHER SHARP TOOLS.

TYPICAL LAYOUT FOR LOOP:

- SAW SLOT 3/16" WIDE x 1-1/2" DEEP. MAKE RECTANGULAR SHAPE TO SPECIFIED LOOP DIMENSIONS PLUS SLOT FOR LEAD CONDUIT.
- GROUT WITH NO. 202 WEATHERBAN SEALANT (A PRODUCT OF 3M CO.) OR APPROVED EQUIVALENT ... (EXAMPLE: DE WITTS NO. 99 BLACK MASTIC CAULK).



PERSPECTIVE VIEW OF DETECTOR LOOP SAW SLOT



SECTION A-A

DETECTOR LOOP DETAILS
N.T.S.

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS

CONSTRUCT SRE STORAGE FACILITY SITework
 RELOCATE ELECTRIC GATE DETAILS 3

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IL PROJ. NO.	BMI-3773
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SHEET	34 OF 44 SHEETS

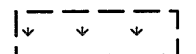
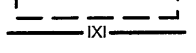

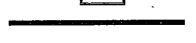

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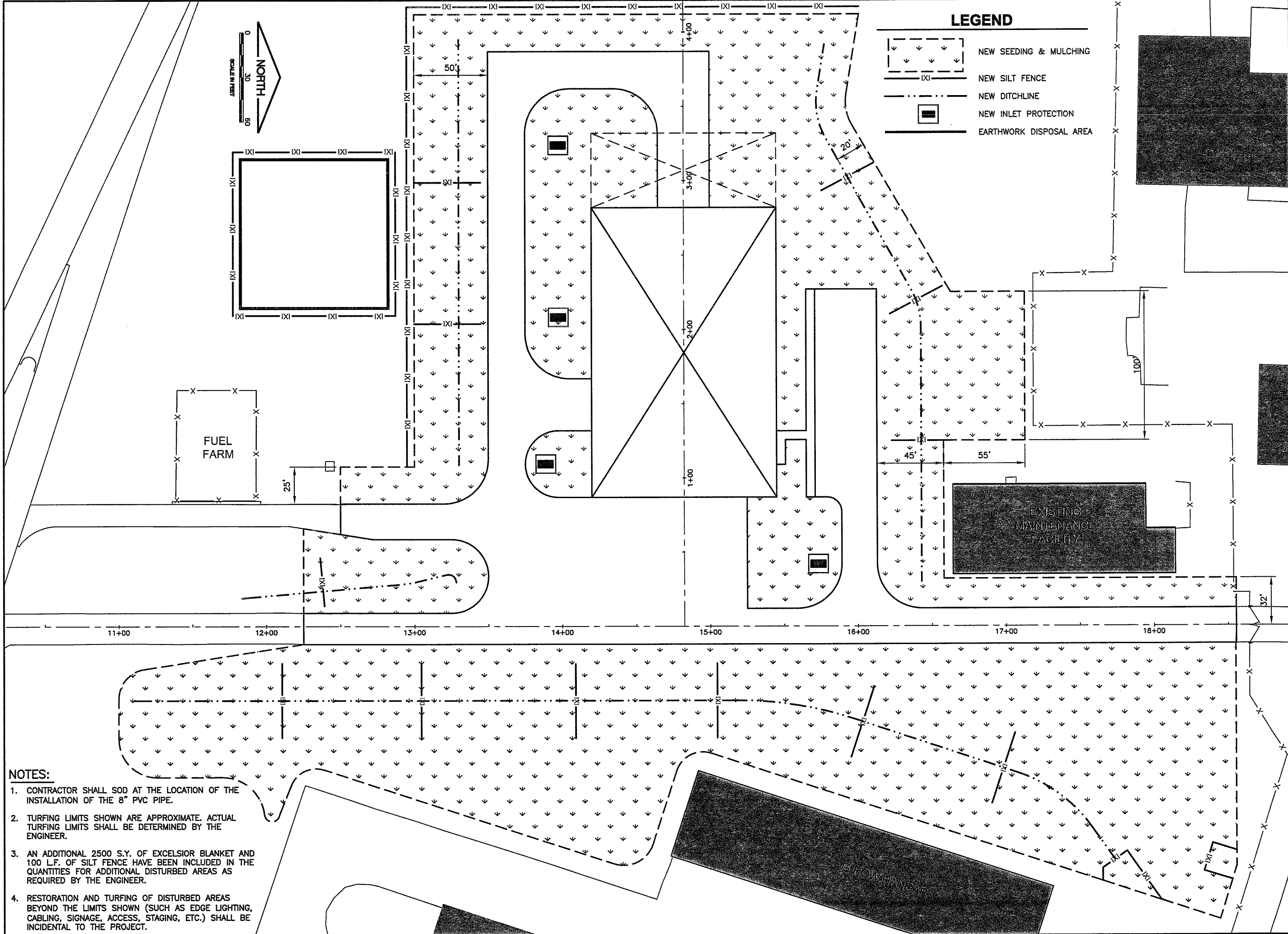
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0 1 2
 THIS BAR IS EQUAL TO 2'
 AT FULL SCALE (34X22).

LEGEND

-  NEW SEEDING & MULCHING
-  NEW SILT FENCE
-  NEW DITCHLINE
-  NEW INLET PROTECTION
-  EARTHWORK DISPOSAL AREA



- NOTES:**
- CONTRACTOR SHALL SOD AT THE LOCATION OF THE INSTALLATION OF THE 8" PVC PIPE.
 - TURFING LIMITS SHOWN ARE APPROXIMATE. ACTUAL TURFING LIMITS SHALL BE DETERMINED BY THE ENGINEER.
 - AN ADDITIONAL 2500 S.Y. OF EXCELSIOR BLANKET AND 100 L.F. OF SILT FENCE HAVE BEEN INCLUDED IN THE QUANTITIES FOR ADDITIONAL DISTURBED AREAS AS REQUIRED BY THE ENGINEER.
 - RESTORATION AND TURFING OF DISTURBED AREAS BEYOND THE LIMITS SHOWN (SUCH AS EDGE LIGHTING, CABLING, SIGNAGE, ACCESS, STAGING, ETC.) SHALL BE INCIDENTAL TO THE PROJECT.

**BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS**

**CONSTRUCT SRE STORAGE FACILITY SITEWORK
 EROSION CONTROL & TURFING PLAN**

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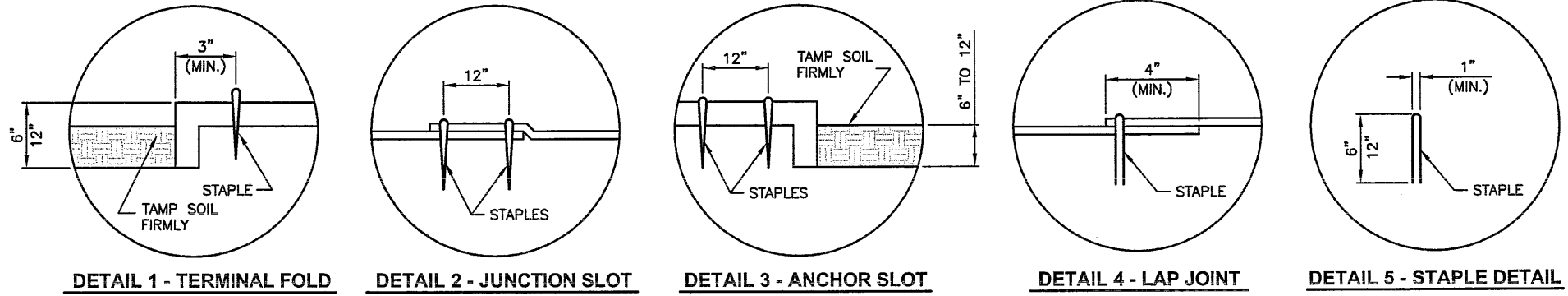
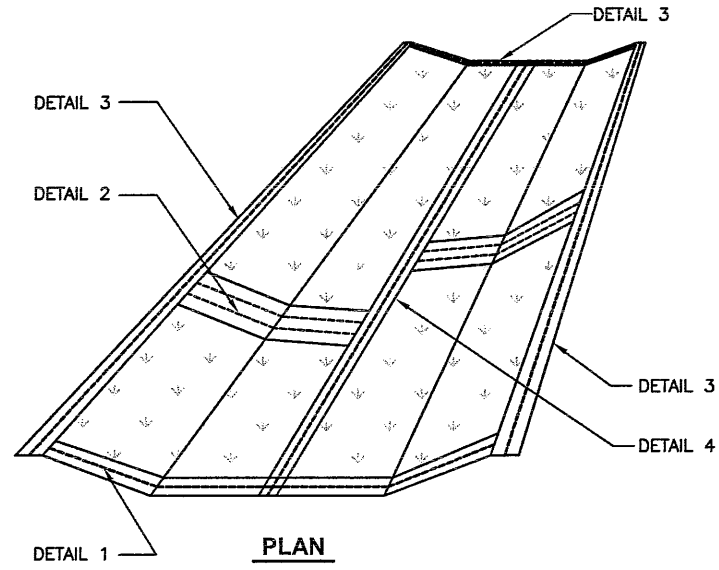
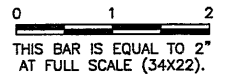
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SHEET 35 OF 44 SHEETS

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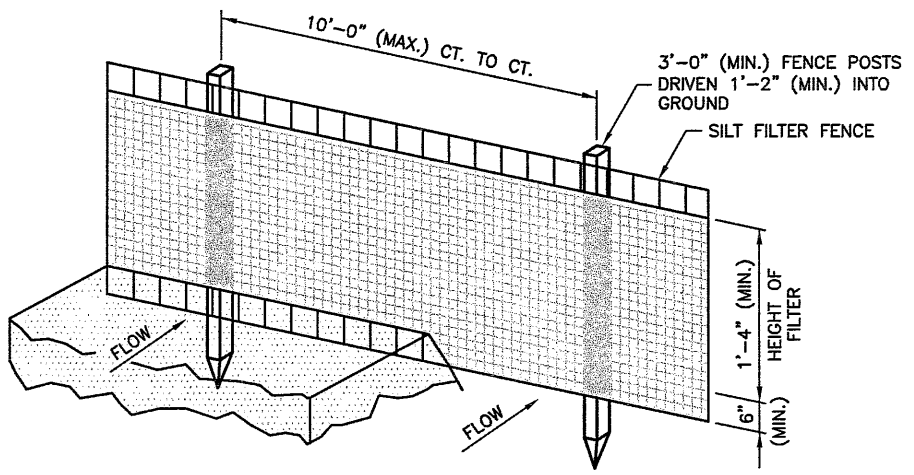
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NUMBER	BY	DATE



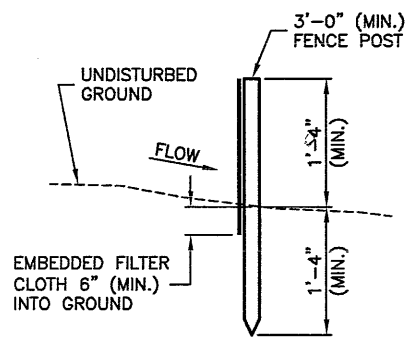
EXCELSIOR BLANKET DETAILS
N.T.S.

EXCELSIOR BLANKET NOTES

1. STAPLES TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART.
2. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
3. ALL TERMINALS ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.



PERSPECTIVE VIEW



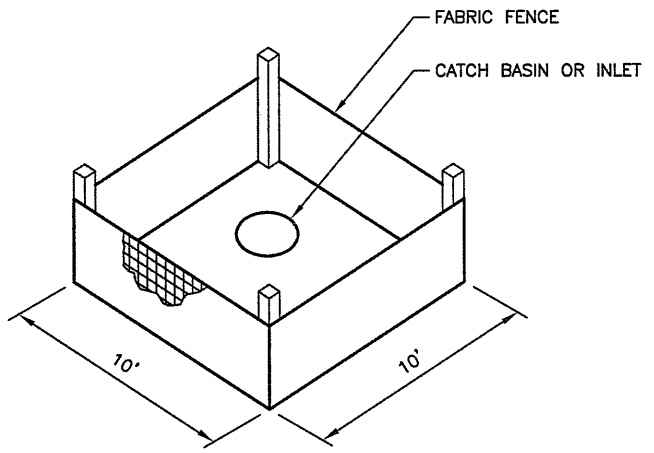
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EROSION CONTROL FABRIC FENCE DETAILS

N.T.S.

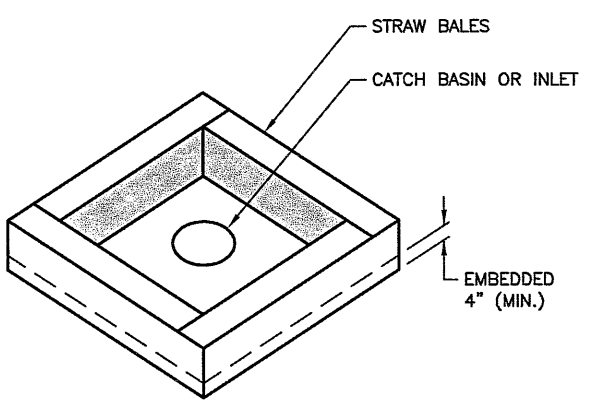
EROSION CONTROL FABRIC FENCE NOTES

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 2'-0" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" MINIMUM AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. MAINTENANCE, WHICH INCLUDES THE REPLACEMENT OF DAMAGED FENCE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE EROSION CONTROL FENCE.



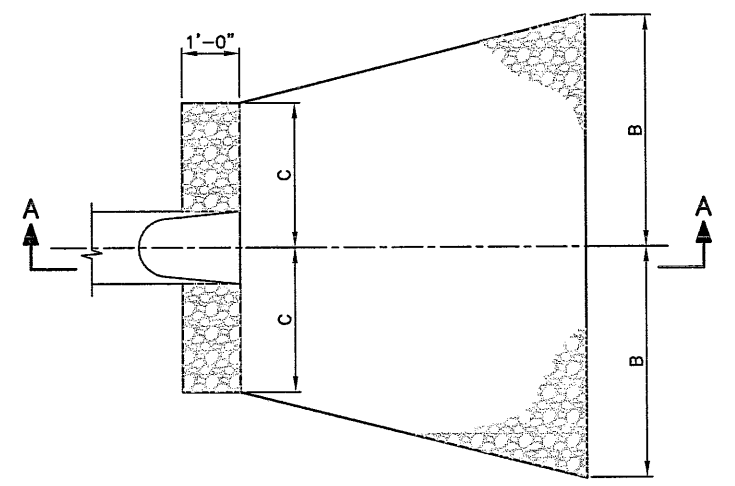
INLET PROTECTION WITH FABRIC

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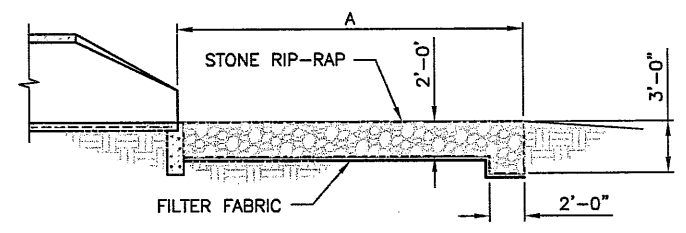


INLET PROTECTION WITH STRAW BALES

N.T.S.



PLAN



SECTION A-A

RIP-RAP DETAILS

N.T.S.

RIP-RAP NOTES

1. THE ENGINEER SHALL DETERMINE THE FINAL RIP-RAP CONFIGURATION IN THE FIELD.
2. PLACE AT EXISTING PIPE LOCATIONS AS DIRECTED BY THE ENGINEER.

INSIDE DIAMETER STORM SEWER (IN.)	OUTLET DIMENSION (FT.)			INLET DIMENSION (FT.)		
	A	B	C	A	B	C
12" THRU 24"	15	9	2	9	6	2

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BLOOMINGTON, ILLINOIS
CONSTRUCT SRE STORAGE FACILITY SITESWORK
EROSION CONTROL DETAILS

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 APPROVED BY: RW
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 IL PROJ. NO. BMI-3773
 AIP PROJ. NO. 3-17-0006
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0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).

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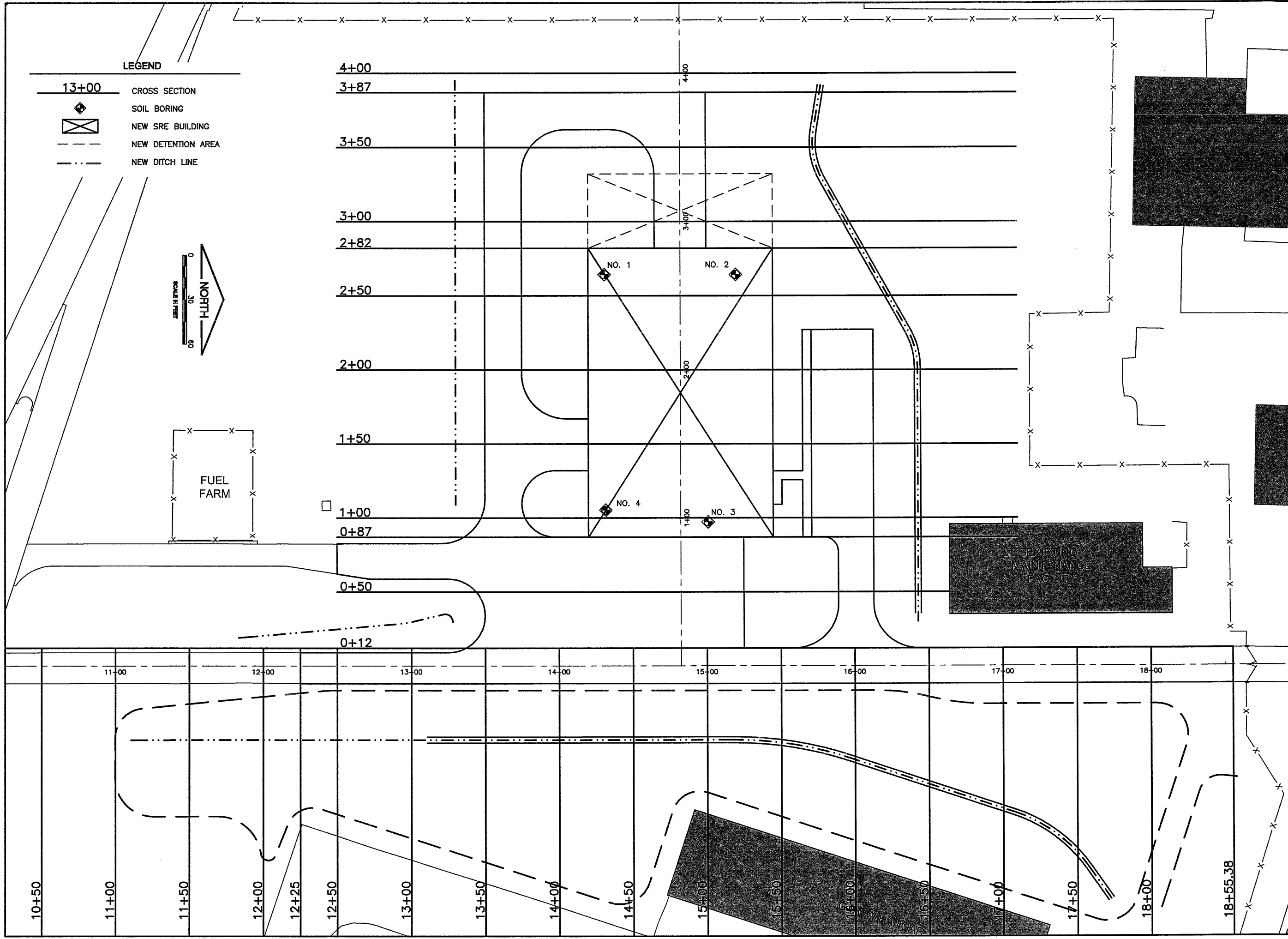
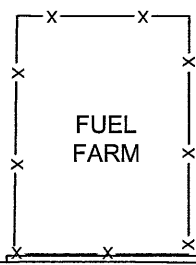
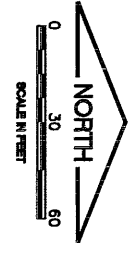
CONSTRUCT SRE STORAGE FACILITY SITework
 INDEX TO CROSS SECTIONS

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IL PROJ. NO.	BMI-3773
AIP PROJ. NO.	3-17-0006-XX
SHEET	37 OF 44 SHEETS

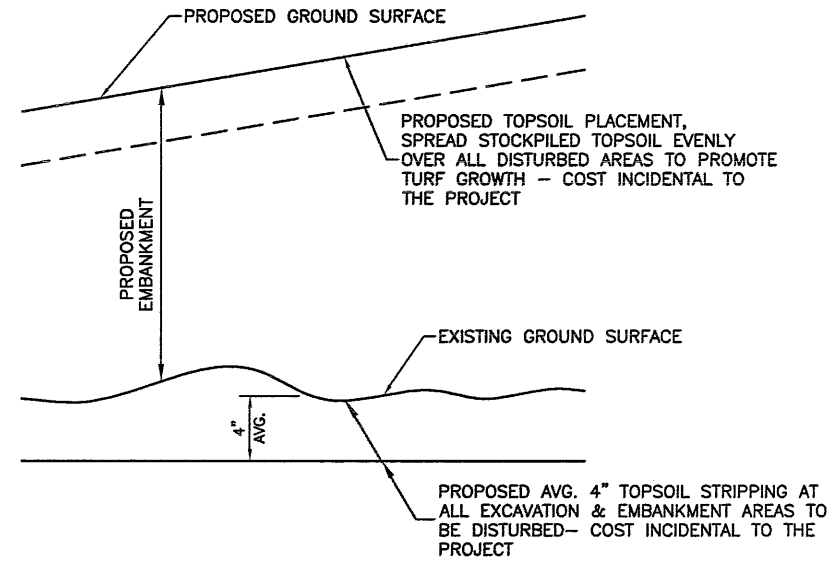
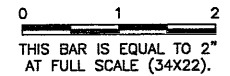
LEGEND

- 13+00 CROSS SECTION
- SOIL BORING
- NEW SRE BUILDING
- NEW DETENTION AREA
- NEW DITCH LINE



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TYPICAL TOPSOIL STRIPPING DETAIL
N.T.S.

NOTE: SEE CROSS SECTIONS FOR TOPSOIL STRIPPING UNDER NEW BUILDING.

EARTHWORK SUMMARY

STATION	EXCAVATE END AREA (S.F.)	EMBANK END AREA (S.F.)
---------	--------------------------	------------------------

SERVICE ROAD & DETENTION AREA

10+50	0.00	0.00
11+00	173.34	0.00
11+50	250.38	0.00
12+00	177.96	0.00
12+25	166.06	0.00
12+50	170.60	3.97
13+00	268.44	11.16
13+50	411.40	19.56
14+00	492.54	28.71
14+50	534.18	30.83
15+00	216.73	25.72
15+50	284.66	23.22
16+00	359.51	16.20
16+50	393.93	21.61
17+00	436.88	40.32
17+50	308.72	37.76
18+00	230.35	344.15
18+55.38	2.00	147.53

EARTHWORK SUMMARY

STATION	EXCAVATE END AREA (S.F.)	EMBANK END AREA (S.F.)
---------	--------------------------	------------------------

BUILDING & APRON

0+12	0.05	138.34
0+50	117.08	235.55
0+87	215.19	609.55
1+00	279.92	639.11
1+50	330.90	601.84
2+00	296.41	602.37
2+50	228.55	633.26
2+82	222.10	542.44
3+00	219.50	369.90
3+50	217.30	302.20
3+87	126.38	22.47
4+00	0.00	0.00

NOTES:

- 1380 C.Y. OF ITEM AR152419, UNCLASSIFIED DISPOSAL OFFSITE, HAS BEEN INCLUDED IN THE QUANTITIES FOR THE REMOVAL AND DISPOSAL OF EXISTING BITUMINOUS MILLINGS UNDER THE PROPOSED BUILDING AND NEAR THE PROPOSED DETENTION AREA.
- TWELVE INCH (12") TOPSOIL STRIPPING AND REPLACEMENT EMBANKMENT ARE INCLUDED IN THE BUILDING AND APRON END AREAS.

**BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS**
**CONSTRUCT SRE STORAGE FACILITY SITEWORK
 EARTHWORK SUMMARY**

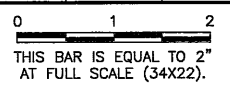
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13 + 50		



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CONSTRUCT SRE STORAGE FACILITY SITework
 SERVICE ROAD & DETENTION AREA
 CROSS SECTIONS 1
 STA. 10+50 TO STA. 13+50

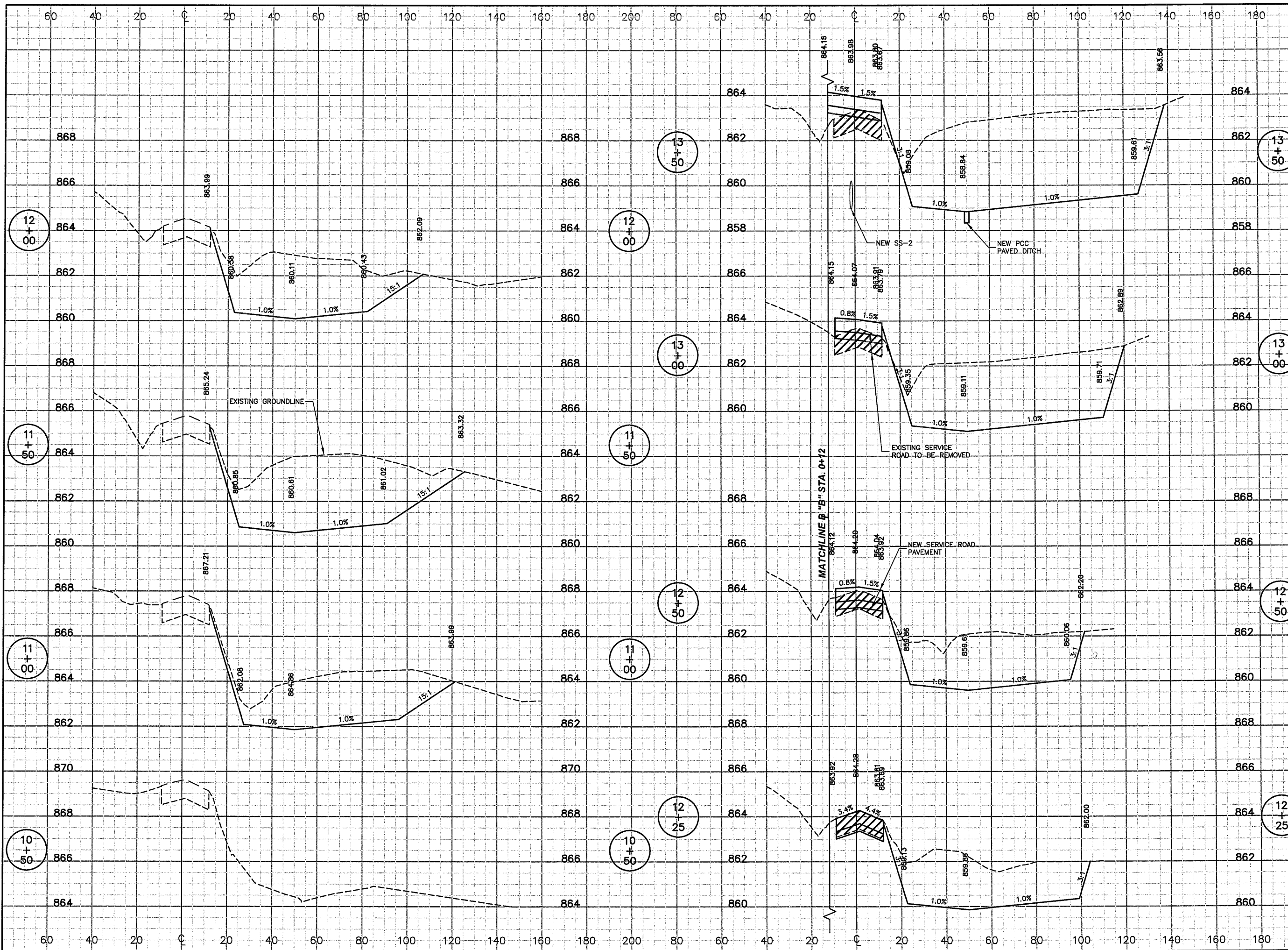
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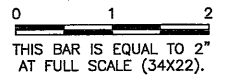
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**CONSTRUCT SRE STORAGE FACILITY SITEWORK
 SERVICE ROAD & DETENTION AREA
 CROSS SECTIONS 2
 STA. 14+00 TO STA. 17+00**

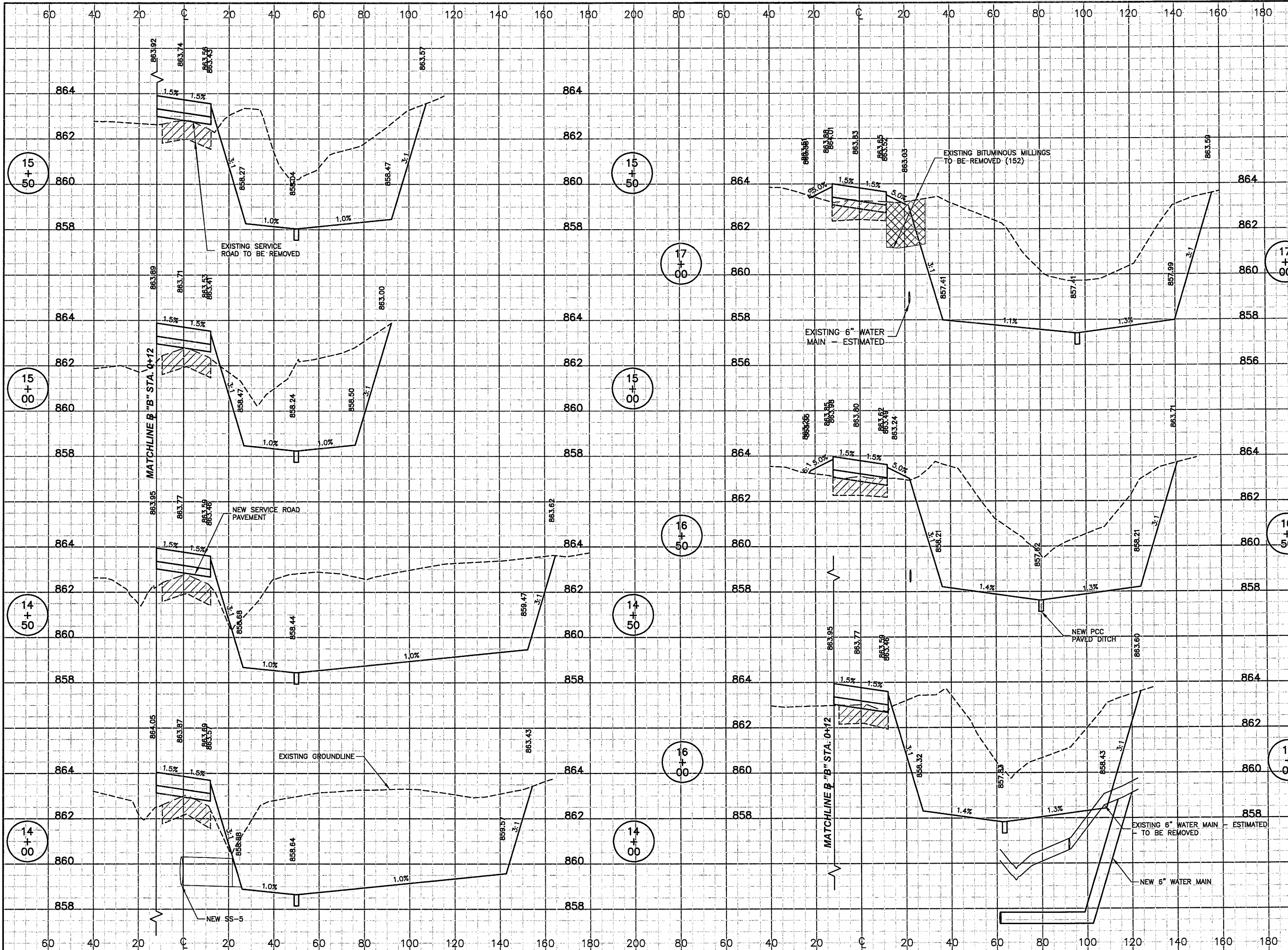
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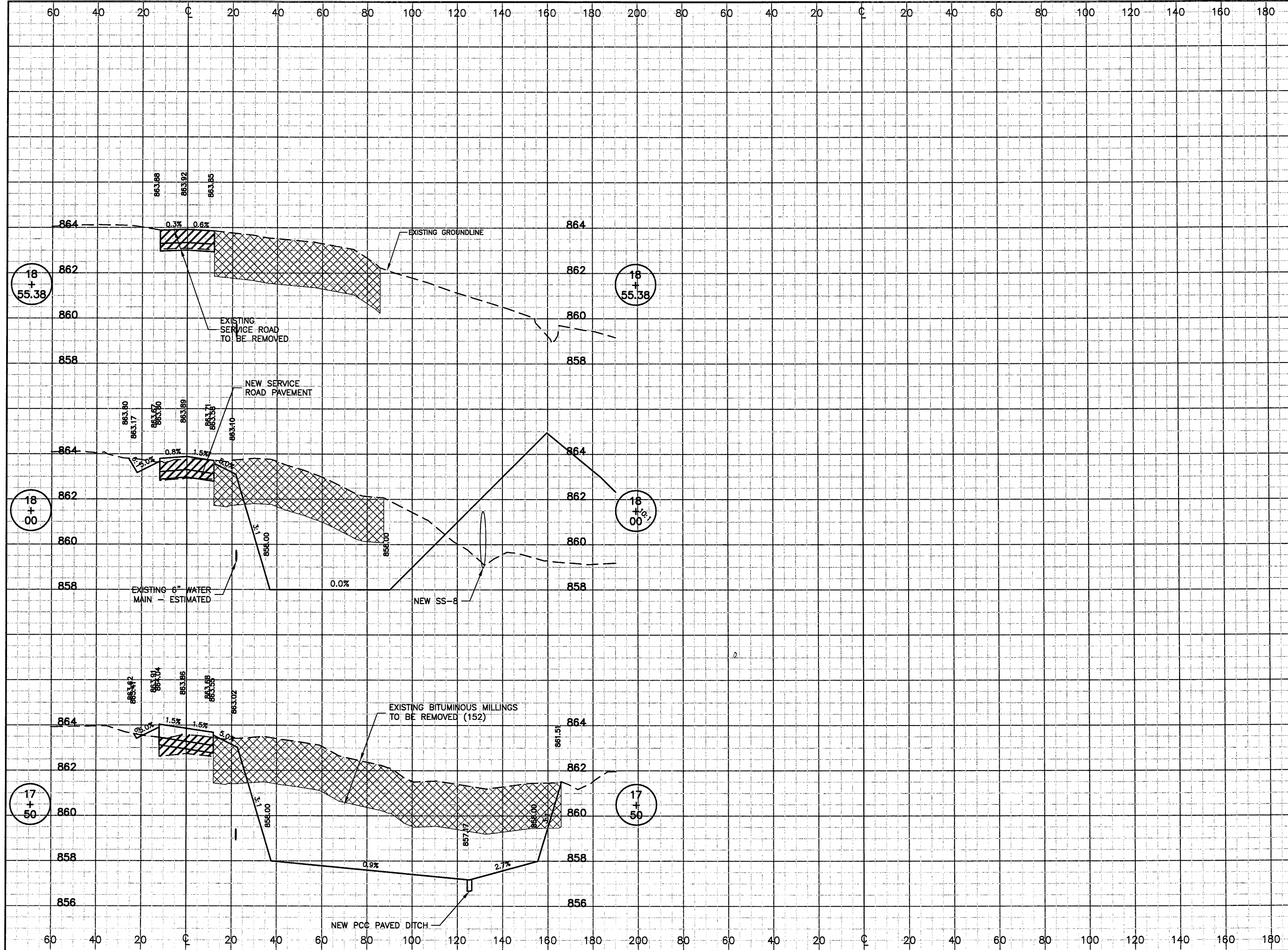
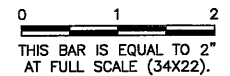
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CONSTRUCT SRE STORAGE FACILITY SITework
 SERVICE ROAD & DETENTION AREA
 CROSS SECTIONS 3
 STA. 17+50 TO STA. 18+55.38

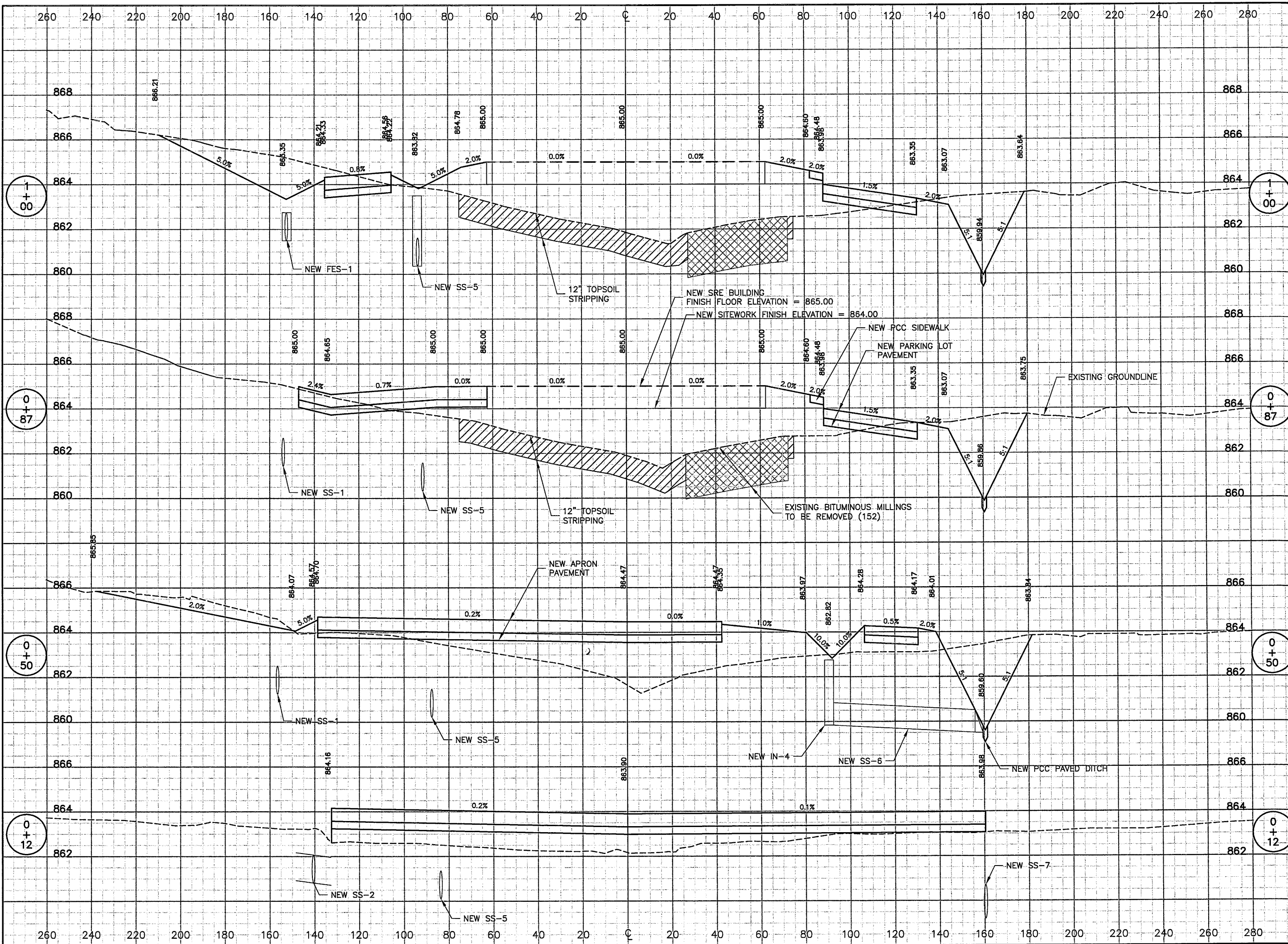
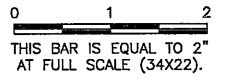
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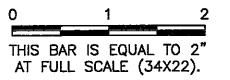
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 BUILDING & APRON
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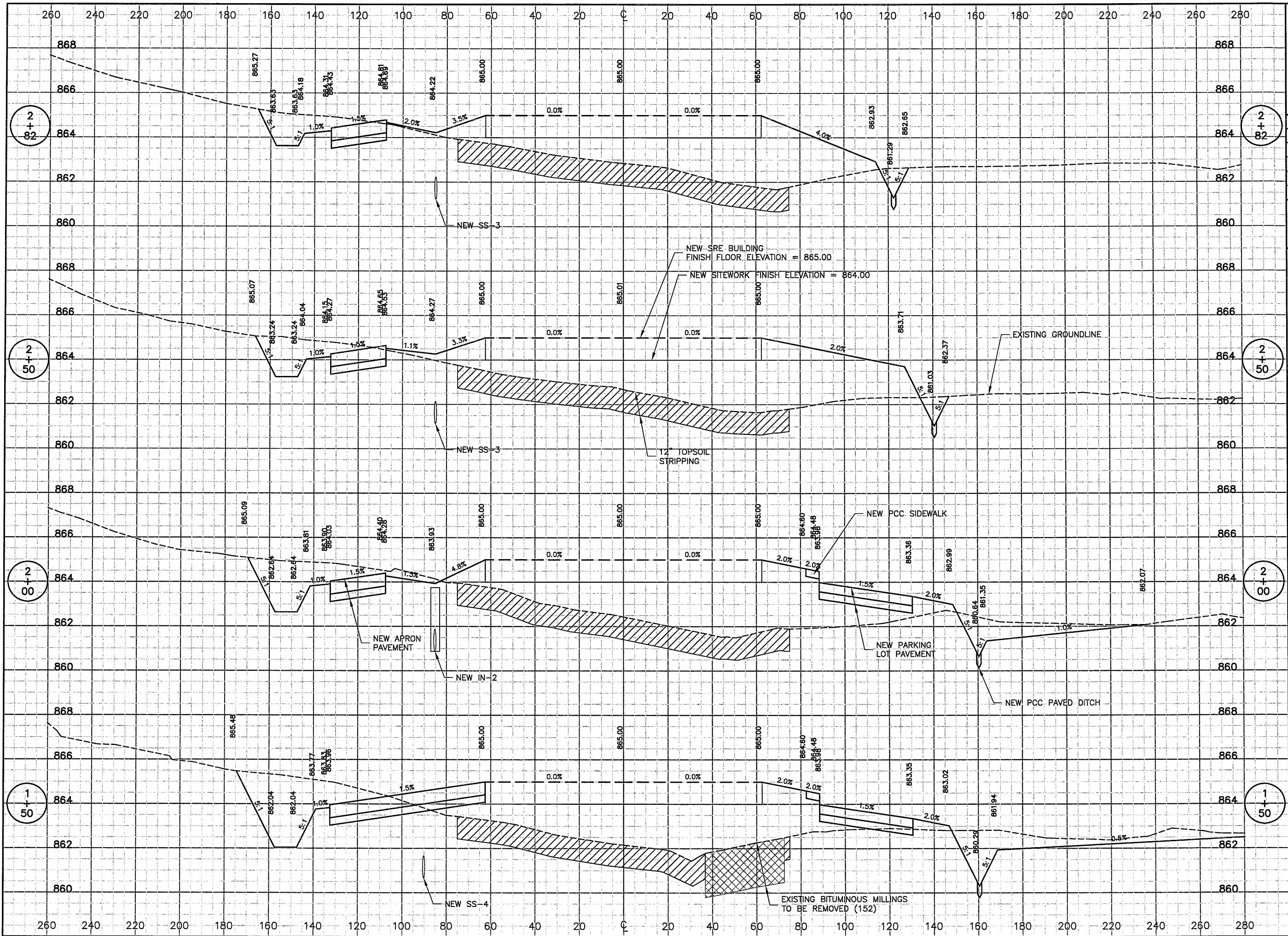
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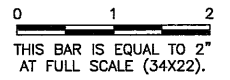
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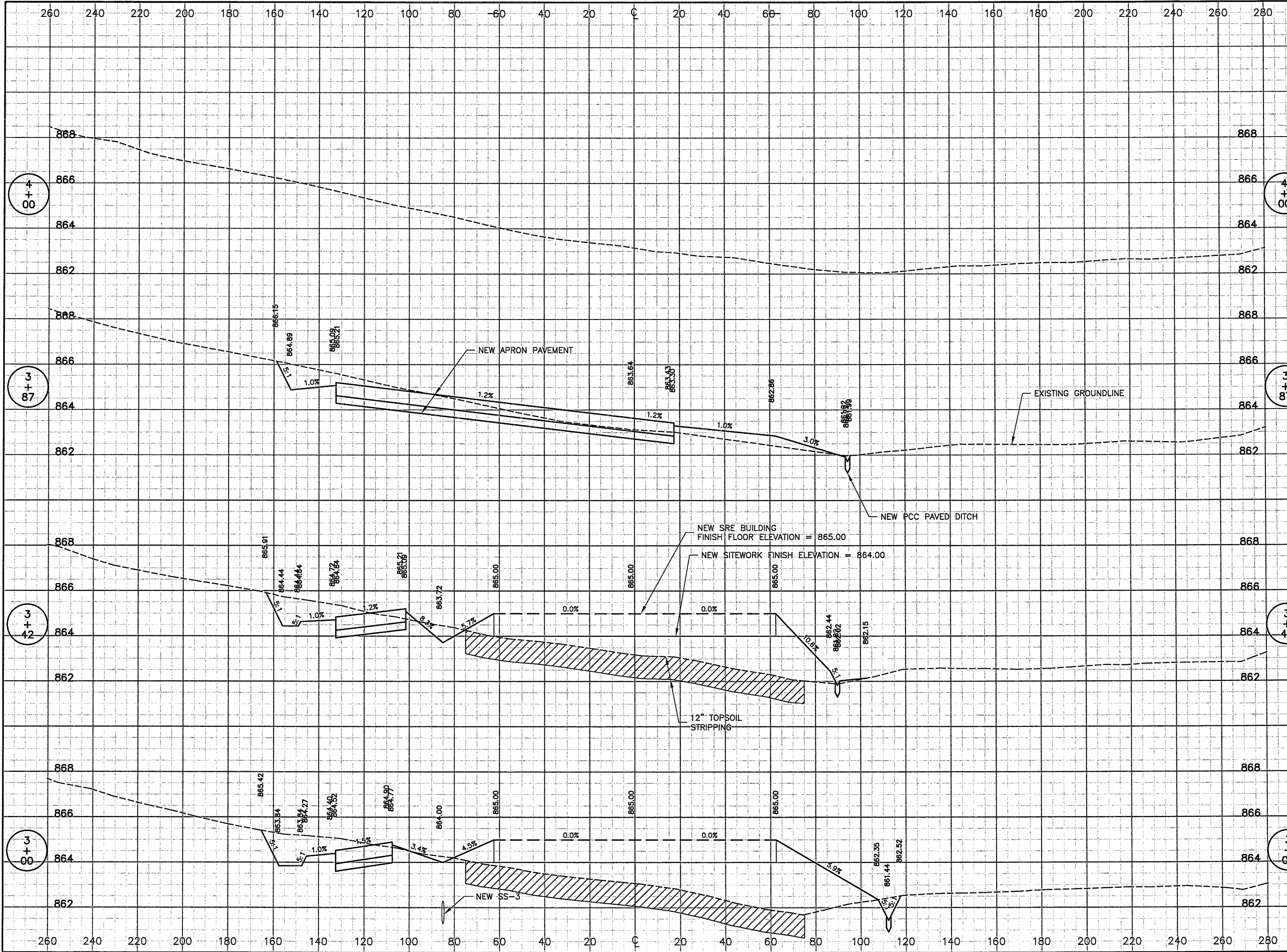
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