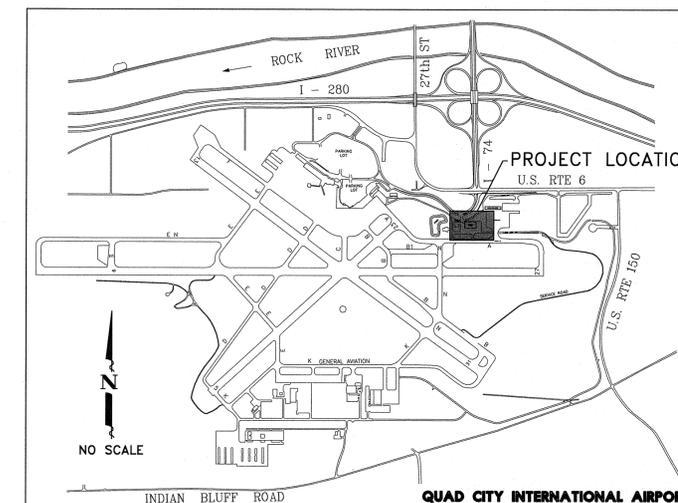


CONSTRUCTION PLANS FOR QUAD CITY INTERNATIONAL AIRPORT ROCK ISLAND COUNTY SRE BUILDING RAMP IMPROVEMENTS



PROJECT LOCATION MAP

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ILLINOIS PROJECT MLI-3896
AIP PROJECT NO. 3-17-0068-XX
AIRPORT CLASSIFICATION - AIR CARRIER

LATITUDE 41°26'51.4", LONGITUDE 91°31'41.6", ELEVATION 589 M.S.L.

AIRCRAFT APPROACH CATEGORY - D
AIRCRAFT DESIGN GROUP - IV

MAY 10, 2013
OFFICIAL DATE OF PLANS

SUMMARY OF QUANTITIES

SEE SHEET 3

IDOT HIGHWAY STANDARDS (INCLUDED BY REFERENCE)

280001-04	TEMPORARY EROSION CONTROL SYSTEMS
602301-02	INLET- TYPE A
602401-02	MANHOLE- TYPE A
604001-03	FRAME AND LIDS TYPE 1
604036-02	GRATE TYPE 8
701901-01	TRAFFIC CONTROL DEVICES
728001-01	TELESCOPING STEEL SIGN SUPPORT
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

UTILITY NOTE

THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER, IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE CONDITIONS THAT ARE INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES AND TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLAN MAY BE PRESENT. GIVE FORTY-EIGHT HOURS NOTICE TO ALL UTILITY COMPANIES PRIOR TO STARTING CONSTRUCTION OPERATIONS, INCLUDING QUAD CITY INTERNATIONAL AIRPORT & F.A.A. FACILITIES NOT ON J.U.L.I.E.

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

BEFORE YOU DIG CALL QUAD CITY INTERNATIONAL AIRPORT
1-309-764-9621

BEFORE YOU DIG CALL F.A.A.
1-309-793-5832



QUAD CITY OFFICE
4700 Kennedy Drive
(309) 792-9350

East Moline, Illinois 61244
Fax (309) 792-8974

Metropolitan Airport
Authority
OF ROCK ISLAND COUNTY

Bruce Carter

May 10, 2013 DATE APPROVED



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Illinois.

Scott A. Stephenson 5/8/13
SCOTT A. STEPHENSON, PE #062-055600 DATE

My License renewal date is November 30, 2013.
Pages or sheets covered by this seal: 1-27

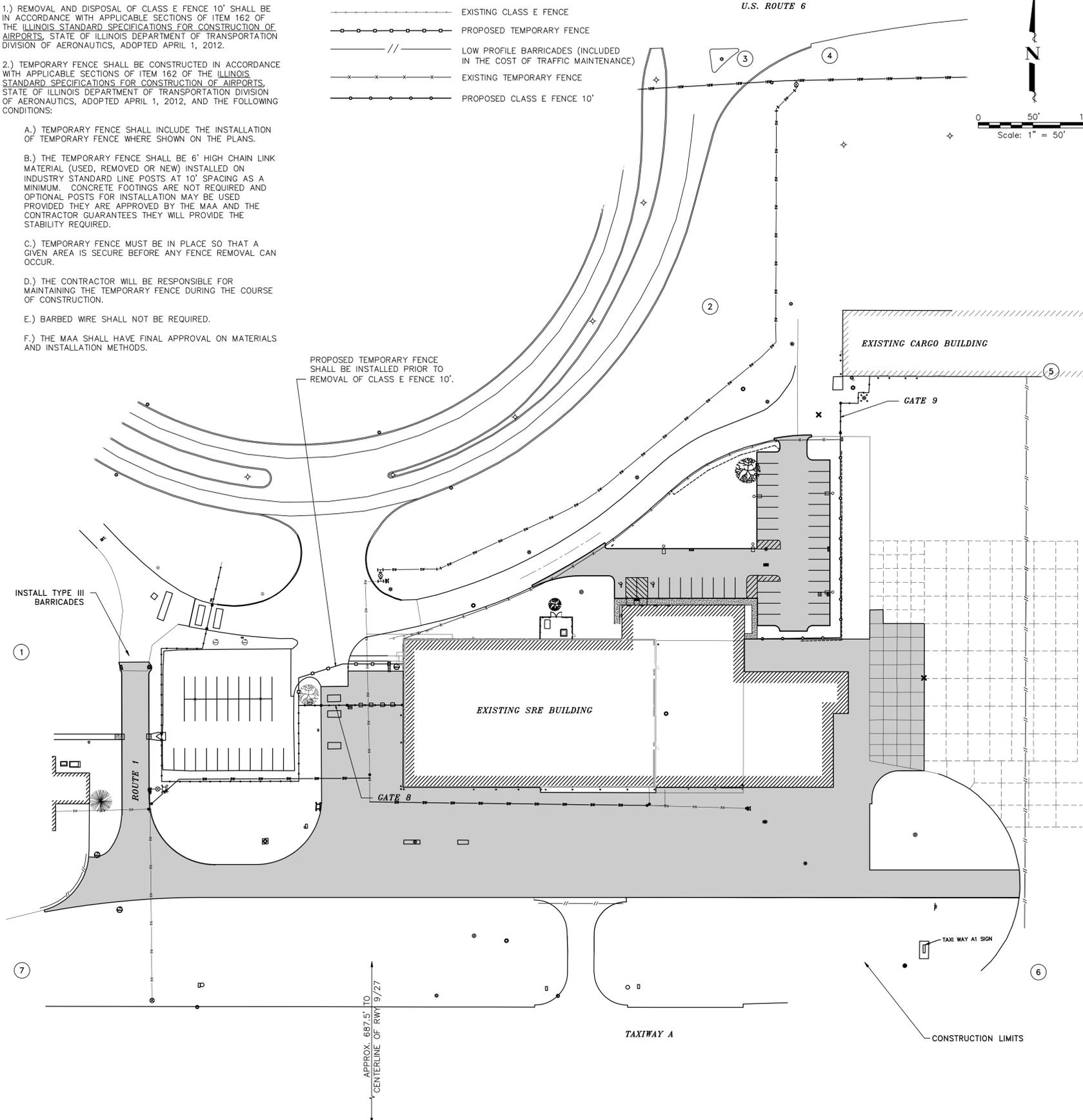
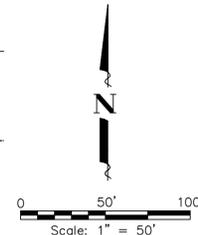
NOTES

- 1.) REMOVAL AND DISPOSAL OF CLASS E FENCE 10' SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF ITEM 162 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF AERONAUTICS, ADOPTED APRIL 1, 2012.
- 2.) TEMPORARY FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE SECTIONS OF ITEM 162 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF AERONAUTICS, ADOPTED APRIL 1, 2012, AND THE FOLLOWING CONDITIONS:
 - A.) TEMPORARY FENCE SHALL INCLUDE THE INSTALLATION OF TEMPORARY FENCE WHERE SHOWN ON THE PLANS.
 - B.) THE TEMPORARY FENCE SHALL BE 6' HIGH CHAIN LINK MATERIAL (USED, REMOVED OR NEW) INSTALLED ON INDUSTRY STANDARD LINE POSTS AT 10' SPACING AS A MINIMUM. CONCRETE FOOTINGS ARE NOT REQUIRED AND OPTIONAL POSTS FOR INSTALLATION MAY BE USED PROVIDED THEY ARE APPROVED BY THE MAA AND THE CONTRACTOR GUARANTEES THEY WILL PROVIDE THE STABILITY REQUIRED.
 - C.) TEMPORARY FENCE MUST BE IN PLACE SO THAT A GIVEN AREA IS SECURE BEFORE ANY FENCE REMOVAL CAN OCCUR.
 - D.) THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE TEMPORARY FENCE DURING THE COURSE OF CONSTRUCTION.
 - E.) BARBED WIRE SHALL NOT BE REQUIRED.
 - F.) THE MAA SHALL HAVE FINAL APPROVAL ON MATERIALS AND INSTALLATION METHODS.

LEGEND

- EXISTING CLASS E FENCE
- PROPOSED TEMPORARY FENCE
- //--- LOW PROFILE BARRICADES (INCLUDED IN THE COST OF TRAFFIC MAINTENANCE)
- EXISTING TEMPORARY FENCE
- PROPOSED CLASS E FENCE 10'

U.S. ROUTE 6



SAFETY PLAN NOTES:

- 1.) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL CONSTRUCTION ACTIVITIES AND SCHEDULES WITH THE METROPOLITAN AIRPORT AUTHORITY (MAA) AND THE ENGINEER.
 - A.) FAA AIR TRAFFIC ORGANIZATION (ATO) - NO COORDINATION ANTICIPATED. IF REQUIRED ALL COORDINATION SHALL BE DONE THROUGH THE MAA.
- 2.) THE MAA SHALL RETAIN THE RIGHT TO RESTRICT ACCESS TO THE CONSTRUCTION AREA DURING EMERGENCY SITUATIONS, OR PERIODS OF INCLEMENT WEATHER REQUIRING SPECIAL AIRCRAFT HANDLING CONDITIONS, OR DURING VISITS BY HIGH RANKING DIGNITARIES OR OTHER SECURITY RELATED ACTIVITIES.
- 3.) PROTECTION OF NAVIGATION AIDS (NAVAIDS)
 - A.) NO IMPACT TO NAVAIDS IS ANTICIPATED.
- 4.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PROJECT.
 - A.) THE CONTRACTOR SHALL PROCURE ENOUGH SECURITY/IDENTIFICATION BADGES FOR HIS EMPLOYEES AND SUBCONTRACTOR'S EMPLOYEES TO GUARANTEE AT LEAST ONE MEMBER OF EACH CONSTRUCTION CREW WILL HAVE A BADGE. ANY CONSTRUCTION CREW WITHOUT A BADGED MEMBER SHALL NOT BE ALLOWED ON THE AIRFIELD SITE. BADGES MAY BE OBTAINED, AFTER MEETING SECURITY REQUIREMENTS, FROM THE SECURITY OFFICE AT THE MAA. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH OBTAINING SECURITY/IDENTIFICATION BADGES.
 - B.) ALL AIR TRAFFIC AREAS ADJACENT TO CONSTRUCTION MUST BE MAINTAINED FREE OF DEBRIS AT ALL TIMES. SWEEPERS MUST BE PROVIDED BY THE CONTRACTOR FOR THE ENTIRE LENGTH OF THE CONTRACT AND SHALL BE OF A VACUUM AND DUSTLESS TYPE CAPABLE OF REMOVING ALL DEBRIS TO THE SATISFACTION OF THE MAA. SWEEPERS MUST BE COMMERCIAL STREET SWEEPER QUALITY AND APPROVED BY THE ENGINEER AND MAA PRIOR TO THE START OF CONSTRUCTION.
 - C.) A 24 HOUR LOCAL TELEPHONE NUMBER SHALL BE ESTABLISHED AND MANNED AT ALL TIMES BY THE CONTRACTOR TO PROVIDE INSTANT RESPONSE TO BREACHES OF SAFETY/SECURITY AND MAINTENANCE OF SIGNS/BARRICADES, ETC.
- 5.) THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS FOR THE SAFETY OF AND SHALL PROVIDE ALL REASONABLE PROTECTION TO PREVENT DAMAGE, INJURY, OR LOSS TO:
 - A.) ALL EMPLOYEES ON THE PROJECT AND ALL OTHER PERSONS WHO MAY BE AFFECTED.
 - B.) ALL THE WORK AND ALL MATERIALS AND EQUIPMENT TO BE INCORPORATED UNDER THE CARE, CUSTODY, OR CONTROL OF THE CONTRACTOR OR ANY OF HIS SUBCONTRACTORS.
 - C.) ALL EXISTING FACILITIES THAT ARE TO REMAIN IN PLACE.
- 6.) ALL OPERATIONS SHALL BE IN CONFORMANCE WITH FAA ADVISORY CIRCULAR (AC) 150/5370-2F OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.
- 7.) ALL CONSTRUCTION VEHICLES, EQUIPMENT AND PERSONNEL SHALL REMAIN CLEAR OF THE AIRFIELD SAFETY AREA LIMITS.
- 8.) ALL CONSTRUCTION VEHICLES AND EQUIPMENT, SHALL BE PARKED IN THE STAGING AREA DURING NON-WORKING HOURS UNLESS PRIOR ARRANGEMENTS ARE APPROVED. ALL CONSTRUCTION VEHICLES AND EQUIPMENT SHALL PROMINENTLY DISPLAY 3'X3' ORANGE AND WHITE CHECKERED FLAGS. NO PERSONAL VEHICLES SHALL BE ALLOWED ON THE CONSTRUCTION SITE. ALL VEHICULAR TRAFFIC SHALL BE KEPT TO A MINIMUM. WHERE TRAFFIC CANNOT BE AVOIDED, IT SHALL BE KEPT WITHIN THE CONSTRUCTION LIMITS OR TO AND FROM THE STAGING AREA. ALL VEHICLES ON THE AIRFIELD REQUIRE APPROVAL OF THE ENGINEER/MAA.
- 9.) THE CONTRACTOR SHALL LOCATE HIS TRAILER, LONG TERM STORAGE MATERIALS, AND OTHER FACILITIES IN THE AREA INDICATED ON THE PLANS AS THE STAGING AREA.
- 10.) CONSTRUCTION GATES SHALL BE LOCKED AT ALL TIMES THE CONTRACTOR IS NOT ON SITE. VIOLATIONS ARE SUBJECT TO FINES/PENALTIES AND THE CONTRACTOR SHALL PAY ANY FINES INCURRED, INCLUDING FINES INCURRED BY THE ENGINEER AND/OR MAA DUE TO THE CONTRACTOR'S NEGLIGENCE.
- 11.) NO CONSTRUCTION ACTIVITIES SHALL TAKE PLACE WITHIN 250' OF THE CENTER LINE OF RUNWAYS AND WITHIN 130' OF THE CENTER LINE OF TAXIWAYS.
- 12.) THE CONTRACTOR SHALL USE THE DESIGNATED HAUL ROUTES, CONSTRUCTION STAGING AREA, AND AIRPORT GATE NO. 9 TO ACCESS THE CONSTRUCTION SITE AS SHOWN ON THE SAFETY PLAN. NO CONSTRUCTION TRAFFIC SHALL BE ALLOWED ON THE AIRFIELD OUTSIDE THE HAUL ROUTES AND WORK AREAS UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
- 13.) WILDLIFE MANAGEMENT
 - A.) TRASH - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP TRASH AND CONSTRUCTION MATERIALS AT THE END OF THE WORKDAY THAT ARE LEFT ON THE JOBSITE TO KEEP FROM ATTRACTING ANIMALS ONTO THE AIRPORT PROPERTY.
 - B.) STANDING WATER - THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AS ABLE IN THE WORK AREA TO KEEP RAINWATER AND OTHER SOURCES OF WATER FROM PONDING ON THE AIRPORT PROPERTY.
 - C.) TALL GRASS AND WEEDS - THE CONTRACTOR SHALL KEEP GRASS AND WEEDS MOWED AROUND THE CONSTRUCTION SITE AS NECESSARY.
 - D.) POORLY MAINTAINED FENCING AND GATES - THE CONTRACTOR SHALL MAINTAIN TEMPORARY FENCES AND GATES TO KEEP NON-CONSTRUCTION RELATED PERSONNEL OUT OF THE CONSTRUCTION SITE.
- 14.) IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO RESTORE THE CONSTRUCTION STAGING AREA TO ITS ORIGINAL CONDITION FOLLOWING COMPLETION OF CONSTRUCTION. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REGRADING, FERTILIZING, SEEDING, AND MULCHING OF EARTH SURFACES TO THE SATISFACTION OF THE ENGINEER. ALL GROUND SURFACES, PAVEMENTS, AND FACILITIES DAMAGED BY THE CONTRACTOR WHILE COMPLETING THE PROPOSED WORK SHALL BE REPAIRED OR RETURNED TO ITS ORIGINAL STATE. COST TO BE INCIDENTAL TO CONTRACT.
- 15.) FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT.
 - A.) THE CONTRACTOR SHALL KEEP THE CONSTRUCTION SITE CLEAN OF ALL DEBRIS AND SHALL PERFORM ALL CONSTRUCTION OPERATIONS IN A MANNER THAT WILL NOT INTRODUCE ANY FOREIGN OBJECTS ONTO ADJACENT RUNWAYS, TAXIWAYS OR APRONS.
- 16.) DUST ABATEMENT MEASURES WILL BE REQUIRED, WHEN, IN THE OPINION OF THE ENGINEER, A HAZARD TO AIR TRAFFIC, LOCAL RESIDENTS, OR CONSTRUCTION PROJECT PERSONNEL EXISTS. PREVENTATIVE MEASURES CAN INCLUDE, BUT ARE NOT LIMITED TO, WATERING AND TREATMENT WITH CALCIUM CHLORIDE.
- 17.) UNLESS OTHERWISE DIRECTED, ALL MATERIALS NOT TO BE INCORPORATED IN EACH CONTRACT SHALL BE DISPOSED OF OFF-SITE AT THE CONTRACTOR'S EXPENSE. NOTHING MOUNDED HIGHER THAN 3" ABOVE EXISTING SURFACE WILL BE PERMITTED ON THE AIRFIELD AT ANY TIME.
- 18.) SEQUENCE OF CONSTRUCTION
 - A.) ALL STAGES OF CONSTRUCTION MUST BE COORDINATED WITH THE MAA AND THE ENGINEER.
 - B.) MAA RESERVES THE RIGHT TO CHANGE OR ADJUST ANY SEQUENCE OF CONSTRUCTION.
- 19.) INSPECTION REQUIREMENTS
 - A.) DAILY (OR MORE FREQUENT) INSPECTIONS - THE ENGINEER AND CONSTRUCTION CONTRACTOR SHALL DAILY OR MORE FREQUENTLY AS DICTATED BY CONSTRUCTION ACTIVITIES, PERFORM INSPECTIONS TO ENSURE AIRFIELD SAFETY COMPLIANCE. IF DEFICIENCIES ARE NOTED, CORRECTIVE ACTION SHALL BE TAKEN IMMEDIATELY TO REMEDY SAID DEFICIENCY.
 - B.) FINAL INSPECTIONS - THE ENGINEER AND THE MAA SHALL PERFORM A FINAL WALK THROUGH INSPECTION PRIOR TO AN AREA BEING REOPENED TO AIRCRAFT OPERATIONS.
- 20.) PENALTIES
 - A.) ANY VIOLATIONS TO THE PROVISIONS OF THE SAFETY PLAN ARE SUBJECT TO PENALTY. EXAMPLES OF VIOLATIONS MAY INCLUDE BUT ARE NOT LIMITED TO: VEHICLE TRANSGRESSION INTO THE RUNWAY SAFETY AREA (RSA) WITHOUT AUTHORIZATION; FAILURE TO MAINTAIN SAFETY CONTROLS (BARRIERS, BARRICADES) IN PROPER WORKING ORDER AND ALIGNMENT; FAILURE TO CONDUCT DAILY SAFETY INSPECTION AT THE END OF THE DAY TO ENSURE ALL SAFETY CONTROLS ARE IN PLACE.
 - B.) THE PROGRESSION OF PENALTIES SHOULD THEY BE INCURRED SHALL BE
 - i. VERBAL WARNING.
 - ii. WRITTEN WARNING.
 - iii. BARRING AN EMPLOYEE FROM CONSTRUCTION SITE UNTIL REMEDIAL ACTIONS ARE ACCOMPLISHED TO THE SATISFACTION OF THE SPONSOR.
 - iv. BARRING OF THE CONTRACTOR FROM CONSTRUCTION SITE UNTIL REMEDIAL ACTIONS ARE ACCOMPLISHED TO THE SATISFACTION OF THE MAA.
- 21.) OTHER LIMITATIONS ON CONSTRUCTION
 - A.) THE CONTRACTOR SHALL NOT USE OPEN FLAME WELDING OR TORCHES UNLESS ADEQUATE FIRE SAFETY PRECAUTIONS ARE PROVIDED AND THE MAA HAS APPROVED THEIR USE.
 - B.) NO FLARE POTS SHALL BE USED WITHIN THE AIRCRAFT OPERATIONS AREA (AOA) AT ANY TIME.
 - C.) NO ELECTRICAL BLASTING CAPS SHALL BE USED ON OR WITHIN 1,000 FT OF THE AIRPORT PROPERTY.

SRE BUILDING RAMP CONSTRUCTION COORDINATES

STRUCT. NO.	LATITUDE	LONGITUDE	ELEVATION OF SITE	STRUCTURE HEIGHT	OVERALL HEIGHT
1	41°27'04.80"	90°29'50.48"	573.2	20'	593.2
2	41°27'07.78"	90°29'42.05"	579.1	20'	599.1
3	41°27'10.01"	90°29'41.98"	582.5	20'	602.5
4	41°27'09.99"	90°29'40.88"	580.2	20'	600.2
5	41°27'07.20"	90°29'38.44"	575.1	20'	595.1
6	41°27'01.93"	90°29'38.59"	573.8	20'	593.8
7	41°27'02.11"	90°29'50.55"	575.1	20'	595.1

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

QUAD CITY INTERNATIONAL AIRPORT
Rock Island County, Illinois



REVISIONS		
NO.	ITEM	DATE

PLOTTING SCALE: 1" = 50'
DRAWN BY: BMG, JLB
CHECKED BY: SAS
DATE: MAY 10, 2013

McClure
Engineering Associates, Inc.
4700 Kennedy Drive (309) 792-9350 East Moline, Illinois 61244 Fax (309) 792-8974
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SAFETY PLAN
SRE BUILDING RAMP IMPROVEMENTS
FILE NAME: T:\M0108.128\DWG\2012 PLANS\08128-MDL.DWG JOB NUMBER: 01-29-08-128

SHEET NO. 2 OF 28

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	BID QUANTITY	FINAL QUANTITY
AR110610	ELECTRICAL HANDHOLE	EACH	1		
AR110906	REMOVE ELECTRICAL HANDHOLE	EACH	1		
AR150530	TRAFFIC MAINTENANCE	L.S.	1		
AR151430	CLEARING TREES, 2.5'-5' BUTT DIA.	EACH	1		
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	595		
AR152440	BORROW EXCAVATION	C.Y.	1,886		
AR156500	TEMPORARY EROSION CONTROL	L.S.	1		
AR156513	SEPARATION FABRIC	S.Y.	12,115		
AR161980	REHANG GATE	EACH	1		
AR162510	CLASS E FENCE 10'	L.F.	270		
AR162908	REMOVE ELECTRIC GATE	EACH	1		
AR163510	TEMPORARY FENCE	L.F.	121		
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	3,955		
AR401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	5,614		
AR501508	8" PCC PAVEMENT	S.Y.	11,757		
AR501530	PCC TEST BATCH	EACH	1		
AR501604	4" PCC SIDEWALK	S.F.	1101		
AR501690	PCC SIDEWALK REMOVAL	S.F.	64		
AR501900	REMOVE PCC PAVEMENT	S.Y.	2,962		
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	370		
AR701412	12" RCP, CLASS III	L.F.	334		
AR701415	15" RCP, CLASS III	L.F.	30		
AR701424	24" RCP, CLASS III	L.F.	20		
AR705504	4" PERFORATED UNDERDRAIN	L.F.	1,950		
AR751410	INLET	EACH	3		
AR751415	INLET-SPECIAL	EACH	3		
AR751540	MANHOLE 4'	EACH	1		
AR751550	MANHOLE 5'	EACH	2		
AR751900	REMOVE INLET	EACH	2		
AR751943	ADJUST MANHOLE	EACH	1		
AR760508	8" DUCTILE IRON WATER MAIN	L.F.	680		
AR760838	WATER VALVE - 8"	EACH	2		
AR760864	16"x8" TAPPING TEE	EACH	1		
AR760908	REMOVE FIRE HYDRANT & VALVE	EACH	1		
AR760947	ADJUST WATER VALVE	EACH	4		
AR760965	RELOCATE FIRE HYDRANT	EACH	1		
AR760938	ABANDON 8" WATER MAIN	L.F.	90		
AR801579	SITE SIGNS	EACH	2		
AR801580	DETECTOR LOOP, TYPE 1	L.F.	130		
AR801599	CARD READER/ KEY PAD PEDESTAL	EACH	1		
AR801581	CLEAN CULVERT	EACH	1		
AR901510	SEEDING	AC.	1.5		
AR908510	MULCHING	AC.	1.5		
AR801568	F11 LIGHT FIXTURE	EACH	5		
AR801569	CONCRETE LIGHT BASE	EACH	5		
AR801570	2 - #10s & 1 - #10 GRND IN 1" CONDUIT	L.F.	425		
AR801571	3 - #10 CONDUCTORS IN EXIST. CONDUIT	L.F.	130		
AR801572	5 - #10s IN CONDUIT FROM TMS TO PANEL	L.F.	25		
AR801573	DISCONNECT OLD LOOP SENSOR	EACH	3		
AR801574	LOOP SENSOR CABLE & HOMERUN	EACH	2		
AR801575	CARD READER DATA CABLE IN 1" PVC	L.F.	25		
AR801576	DATA CABLE FROM HH TO CONTROLLER	L.F.	120		

GENERAL NOTES

- 1.) THE CONTRACTOR SHALL NOTIFY THE METROPOLITAN AIRPORT AUTHORITY (MAA) AND ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 2.) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND PAVED STREETS, INCLUDING ANY NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY CONFLICTS WITH THE DRAWINGS OCCUR. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY TRENCHING AND GRADING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE.
- 3.) THE CONTRACTOR MUST SUBMIT A SCHEDULE OF WORK PRIOR TO BEGINNING ANY CONSTRUCTION.
- 4.) ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE PROPERLY DISPOSED OF OFF-SITE.
- 5.) PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO POND OR TO DRAIN ONTO PRIVATE PROPERTY.
- 6.) EROSION CONTROL FEATURES AS NEEDED SHALL BE INCORPORATED INTO THE CONSTRUCTION AT THE EARLIEST POSSIBLE TIME TO LIMIT EROSION AND STREAM POLLUTION AND SHALL BE MAINTAINED UNTIL ACCEPTANCE OF THE PROJECT BY THE AIRPORT.
- 7.) THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE ENCOUNTERED BETWEEN THE PLANS AND SPECIFICATIONS AND THE EXISTING FIELD CONDITIONS.
- 8.) THE FINAL TOP 4" OF SOIL IN ANY AREA DISTURBED BY THE CONTRACTOR THAT IS NOT PAVED AS PART OF THIS PROJECT SHALL BE CAPABLE OF SUPPORTING VEGETATION.
- 9.) FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
- 10.) MAXIMUM PAY WIDTH FOR CRUSHED AGGREGATE BASE COURSE SHALL BE 12 INCHES BEYOND THE BACK OF CURB. IF THE CONTRACTOR REQUIRES ADDITIONAL WIDTH FOR PAVING, THE ADDITIONAL MATERIALS SHALL MEET THE SAME SPECIFICATION BUT WILL BE CONSIDERED INCIDENTAL.
- 11.) AFTER CONSTRUCTION HAS BEEN COMPLETED, THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS PER ITEM 901. ONLY SEED AREAS WITHIN THE LIMITS OF CONSTRUCTION/SEEDING WILL BE ELIGIBLE FOR PAYMENT UNDER THE CONTRACT PAY ITEM. AREAS OUTSIDE THE LIMITS OF CONSTRUCTION/SEEDING SHALL BE SEED BY THE CONTRACTOR PER ITEM 901, BUT SHALL NOT BE MEASURED FOR PAYMENT.
- 12.) SEEDING SHALL NOT BE PERMITTED AT ANYTIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

QUAD CITY INTERNATIONAL AIRPORT
Rock Island County, Illinois



REVISIONS		
NO.	ITEM	DATE

PLOTTING SCALE: 1:1
DRAWN BY: BMG, JLB
CHECKED BY: SAS
DATE: MAY 10, 2013

McClure
Engineering Associates, Inc.

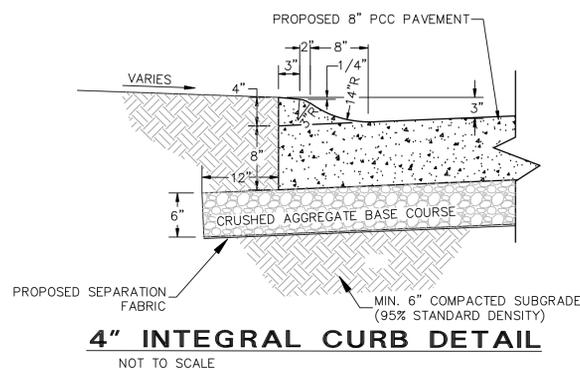
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SUMMARY OF QUANTITIES AND GENERAL NOTES
SRE BUILDING RAMP IMPROVEMENTS
FILE NAME: T:\M0108.128\DWG\2012 PLANS\08128-MDL.DWG
JOB NUMBER: 01-29-08-128

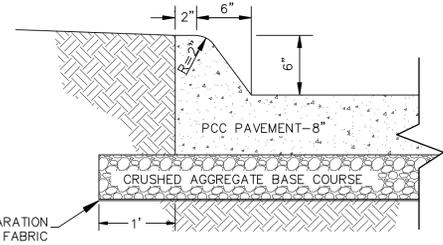
SHEET NO.
3
OF 28

LEGEND

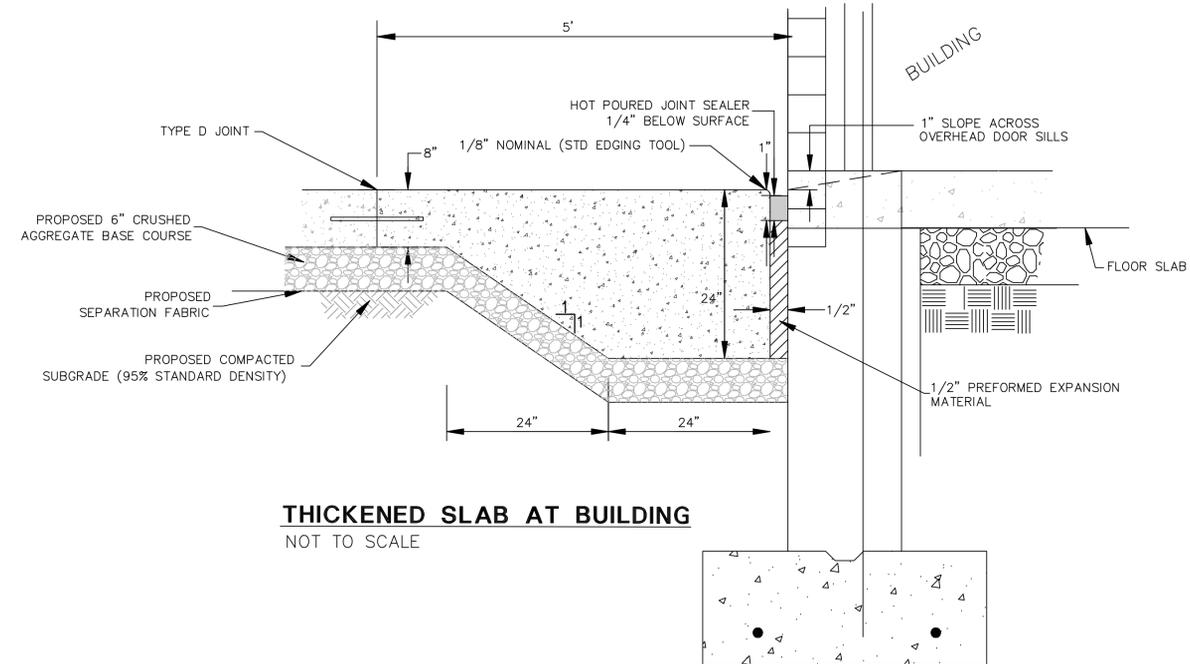
- 580 --- EXISTING CONTOUR (1' INTERVAL)
- 580 — PROPOSED CONTOUR (1' INTERVAL)
- < — EXISTING SANITARY SEWER
- < — EXISTING STORM SEWER
- < — PROPOSED STORM SEWER
- 8W — EXISTING WATER MAIN
- 8W — PROPOSED WATER MAIN
- UE — EXISTING UNDERGROUND ELECTRIC
- UT — EXISTING UNDERGROUND TELEPHONE
- FO — EXISTING FIBER OPTIC LINE
- G — EXISTING GAS LINE
- F — EXISTING FUEL LINE
- ○ — EXISTING FENCE
- X — EXISTING TEMPORARY FENCE
- ○ — PROPOSED CLASS E FENCE, 10'
- □ — PROPOSED TEMPORARY FENCE
- // — LOW PROFILE BARRICADES
- □ — EXISTING GUARDRAIL
- --- ○ --- PROPOSED 4" P.E. UNDERDRAIN (PERF.)
- ○ — EXISTING STORM CATCH BASIN
- ○ — PROPOSED STORM INLET
- ○ — EXISTING STORM INLET
- ○ — PROPOSED STORM CATCH BASIN
- ○ — EXISTING MANHOLE
- ○ — PROPOSED MANHOLE
- → — DIRECTION OF FLOW
- ○ — EXISTING WATER VALVE
- ○ — EXISTING REDUCER
- ○ — EXISTING FIRE HYDRANT
- ○ — PROPOSED WATER VALVE
- ○ — PROPOSED FIRE HYDRANT
- ○ — EXISTING DECIDUOUS TREE
- ○ — EXISTING EVERGREEN TREE
- ○ — EXISTING SHRUB/BUSH
- ○ — EXISTING POWER POLE
- ○ — PROPOSED LIGHT POLE (BY OTHERS)
- ○ — EXISTING LIGHT POLE
- ○ — EXISTING LANDSCAPING LIGHT
- ○ — EXISTING HAND HOLE
- ○ — EXISTING ELECTRIC MANHOLE
- ○ — EXISTING SIGN
- ○ — PROPOSED SIGN
- ME — MATCH EXISTING
- TW — TOP OF SIDEWALK
- TP — TOP OF PAVEMENT
- TC — TOP OF CURB
- FL — FLOWLINE
- INV — INVERT
- HP — HIGH POINT
- LP — LOW POINT
- MW — EXISTING MONITORING WELL



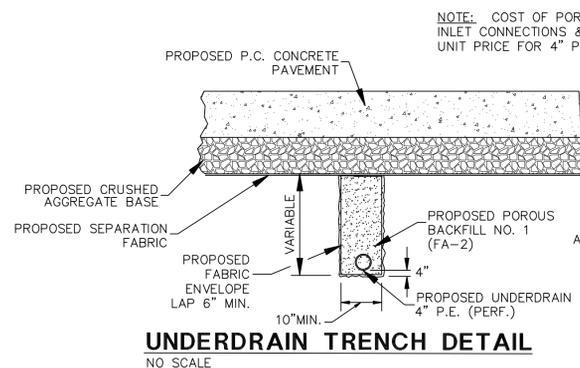
4" INTEGRAL CURB DETAIL
NOT TO SCALE



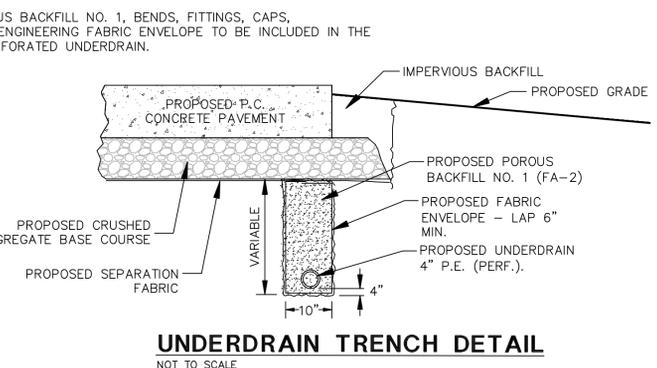
6" INTEGRAL CURB DETAIL
NOT TO SCALE



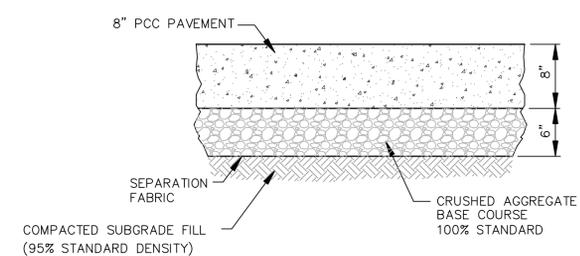
THICKENED SLAB AT BUILDING
NOT TO SCALE



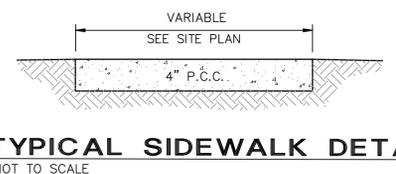
UNDERDRAIN TRENCH DETAIL
NO SCALE



UNDERDRAIN TRENCH DETAIL
NOT TO SCALE

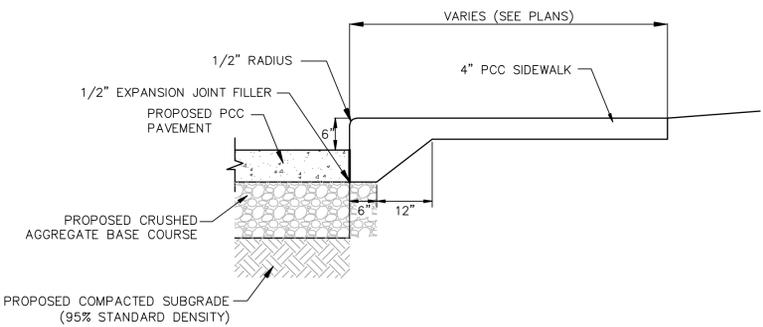


TYPICAL RAMP AND PARKING PAVEMENT SECTION
NOT TO SCALE

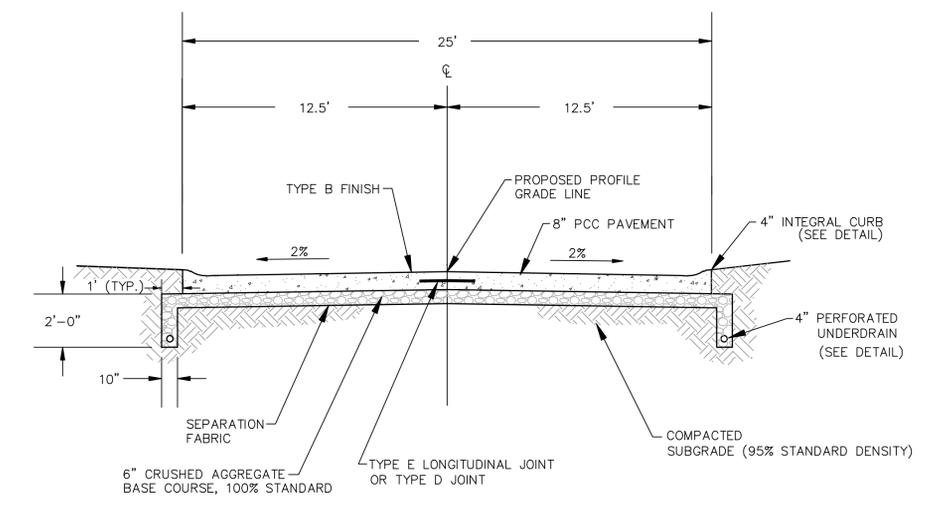


TYPICAL SIDEWALK DETAIL
NOT TO SCALE

- SIDEWALK NOTES:**
1. MINIMUM SIDEWALK THICKNESS SHALL BE 4".
 2. MAXIMUM TRANSVERSE SLOPE SHALL BE 2% TYPICAL.
 3. CONTRACTION JOINTS SHALL BE CONSTRUCTED AT A SPACING EQUAL TO THE WIDTH OF THE WALK, UP TO 6 FEET MAXIMUM.
 4. SUBGRADE SHALL BE MECHANICALLY COMPACTED PRIOR TO PAVING, 95% STANDARD.
 5. ALL SIDEWALKS SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.



TYPICAL SIDEWALK W/ CURB DETAIL
NOT TO SCALE (BY OTHERS)



TYPICAL 25' B-B PAVEMENT SECTION
NOT TO SCALE

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

QUAD CITY INTERNATIONAL AIRPORT
Rock Island County, Illinois



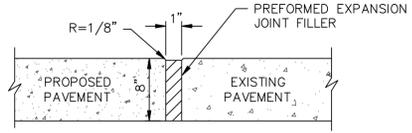
REVISIONS		
NO.	ITEM	DATE

PLOTTING SCALE: 1:1
DRAWN BY: BMG, JLB
CHECKED BY: SAS
DATE: MAY 10, 2013

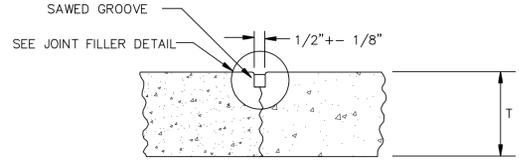
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TYPICAL SECTIONS & LEGEND
SRE BUILDING RAMP IMPROVEMENTS
FILE NAME: T:\M0108.128\DWG\2012 PLANS\08128-MDL.DWG JOB NUMBER: 01-29-08-128

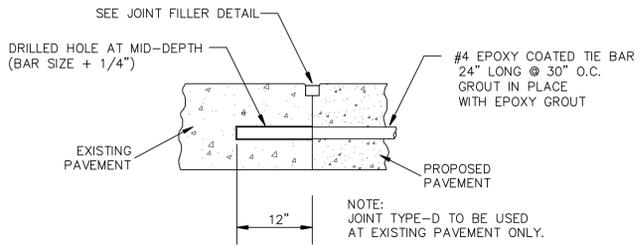
SHEET NO. 4 OF 28



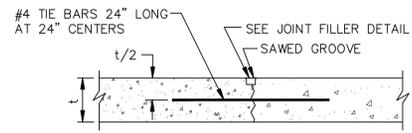
TYPE-A EXPANSION JOINT
NOT TO SCALE



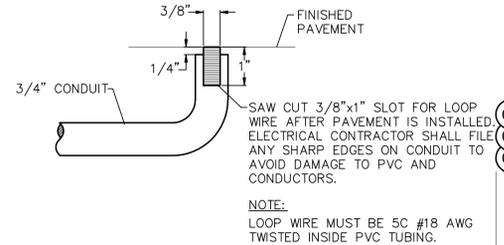
JOINT TYPE-C TRANSVERSE SAWED
NOT TO SCALE



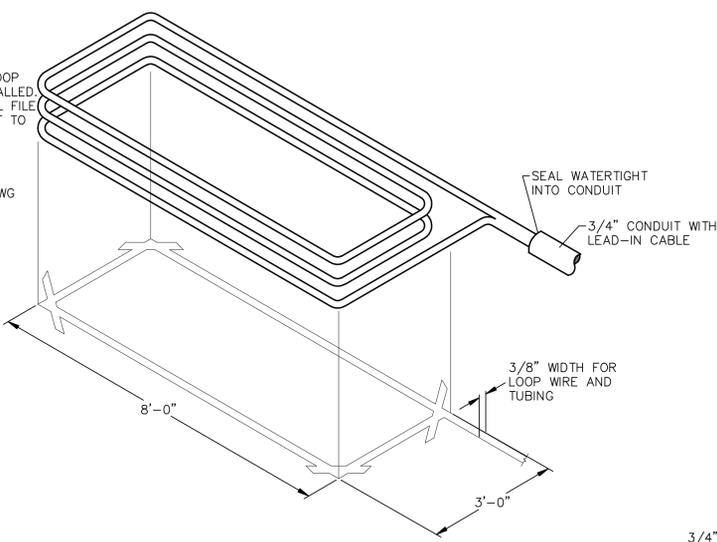
JOINT TYPE-D GROUTED IN-PLACE TIE BAR
NOT TO SCALE



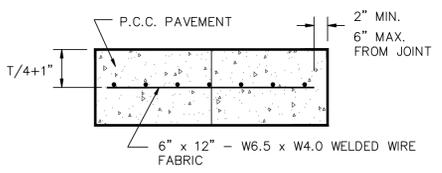
JOINT TYPE-E LONGITUDINAL
NOT TO SCALE



- LOOP INSTALLATION NOTES:**
- CUT A GROOVE 3/8" WIDE BY 1" DEEP IN PATTERN AS SHOWN ABOVE.
 - INSTALL 3'x8' RECTANGULAR LOOP WITH LEAD-IN TUBING AND LEAD-IN CABLE LENGTHS AS REQUIRED TO MEET SECTION 886 OF ILLINOIS DOT SPECIFICATIONS.
 - SEAL LEAD-IN WIRE IN CONDUIT TO PREVENT MOISTURE SEEPAGE INTO CONDUIT.
 - LOOP WIRES SHALL BE #18 GAUGE TWISTED INSIDE PVC TUBING. LEAD-IN WIRES SHALL BE 2C #16 GAUGE WITH POLYESTER JACKET.
 - WHEN LOOP IS TO BE INSTALLED NEAR STEEL REINFORCEMENTS, IT MUST BE KEPT A MINIMUM OF 2" AWAY FROM THE REINFORCEMENT.
 - BACK PATCH MATERIAL: POR-ROCK OR EQUIVALENT, CONCRETE COLORED, FAST DRYING CEMENT.
 - LOOP WIRES AND CONDUIT CONFINED IN SAW CUT MUST BE KEPT A MINIMUM OF 3/8" BELOW GRADE LEVEL TO ALLOW SUFFICIENT SPACE FOR BACK PATCH FILLER MATERIAL.

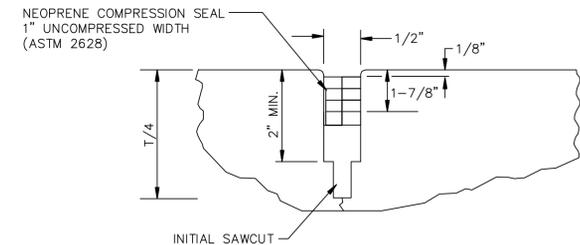


LOOP DETECTION DETAIL
NOT TO SCALE

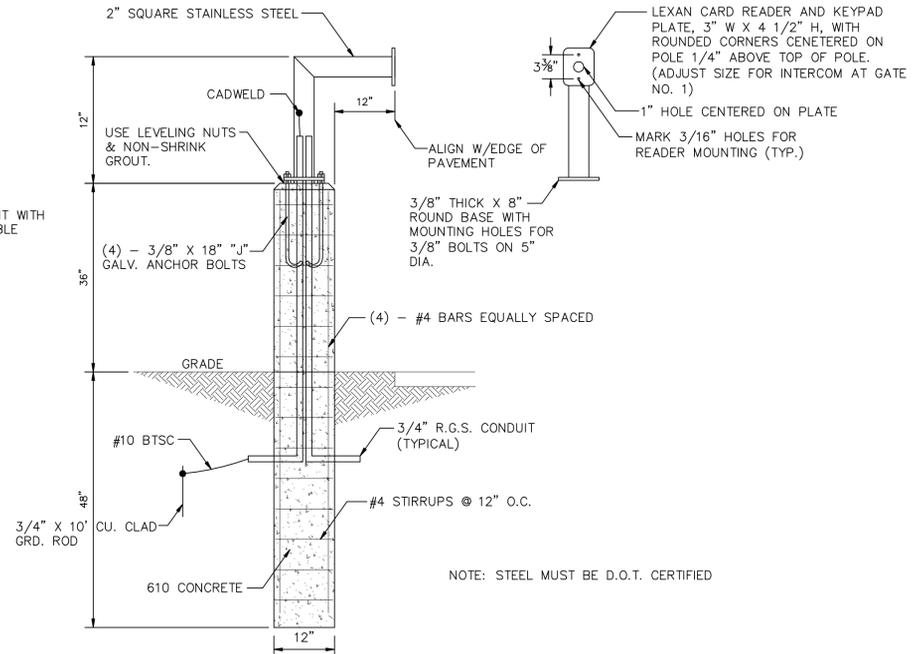


ODD SHAPED PANEL REINFORCEMENT
NOT TO SCALE (SYMBOL R)

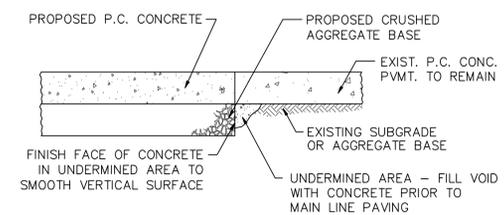
- GENERAL NOTES (JOINTS):**
- ALL TRANSVERSE JOINTS MUST EXTEND THROUGH CURBS AND BE CONTINUOUS ACROSS PAVEMENT, EXCEPT TIED TRANSVERSE CONSTRUCTION JOINTS.
 - JOINTS SHALL BE SAWED TO A DEPTH OF T/4 FOR TRANSVERSE JOINTS AND T/3 FOR LONGITUDINAL JOINTS. UNLESS OTHERWISE NOTED, SAW JOINTS SHALL BE SEALED WITH PREFORMED POLYCHLOROPRENE ELASTOMERIC JOINT SEAL.



JOINT FILLER DETAIL
NOT TO SCALE JOINTS TYPE-C,D,E

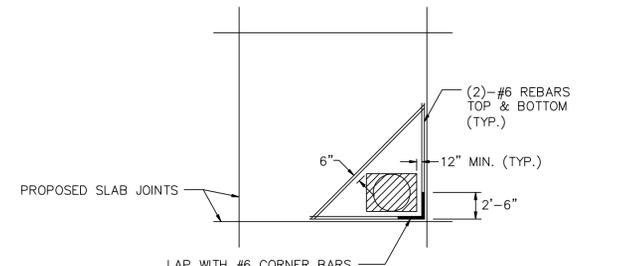
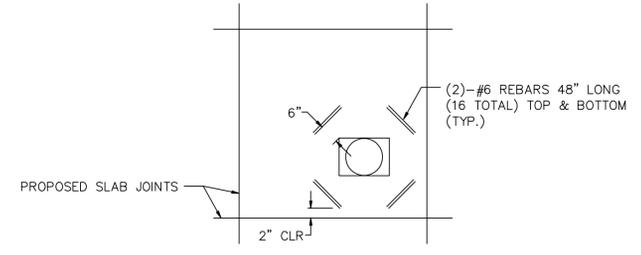


CARD READER/KEY PAD PEDESTAL
NOT TO SCALE



- NOTES:**
- REMAINING VOIDS SHALL BE PRESSURE GROUTED.
 - REQUIRED UNDERMINING REPAIRS, AS DETERMINED BY THE ENGINEER, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL.

UNDERMINING REPAIR DETAIL
NOT TO SCALE



- NOTES:**
- COAT CASTINGS W/ BIT MASTIC PRIOR TO PLACING CONCRETE PAVEMENT.
 - DO NOT EXTEND REINFORCEMENT ACROSS PAVEMENT JOINTS.
 - REQUIRED REINFORCING SHALL BE CONSIDERED INCIDENTAL.

PAVEMENT REINFORCEMENT AT STRUCTURES
NOT TO SCALE

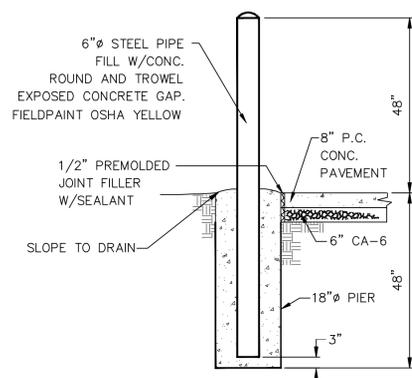
REVISIONS		
NO.	ITEM	DATE

PLOTTING SCALE: 1:1

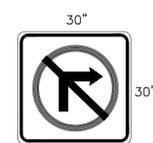
DRAWN BY: BMG, JLB

CHECKED BY: SAS

DATE: MAY 10, 2013

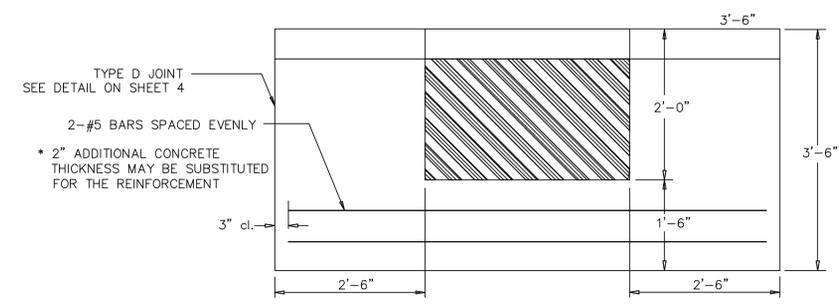


BOLLARD DETAIL
NOT TO SCALE

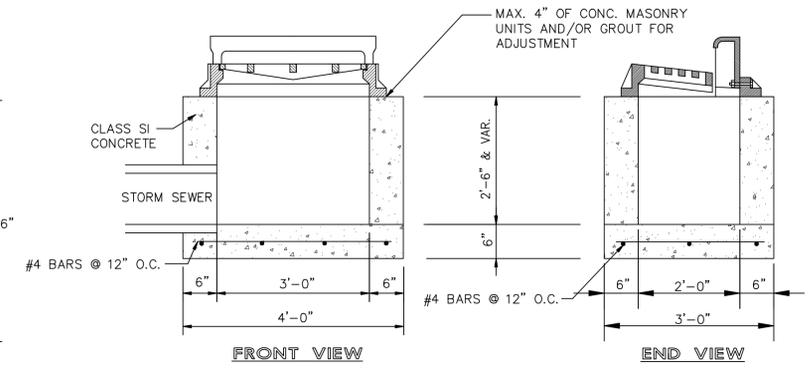


R3-1 SIGN
NOT TO SCALE

NOTE: "NO RIGHT TURN" SIGN TO BE MOUNTED BELOW "STOP" (R1-1) SIGN MINIMUM 7" ABOVE GRADE

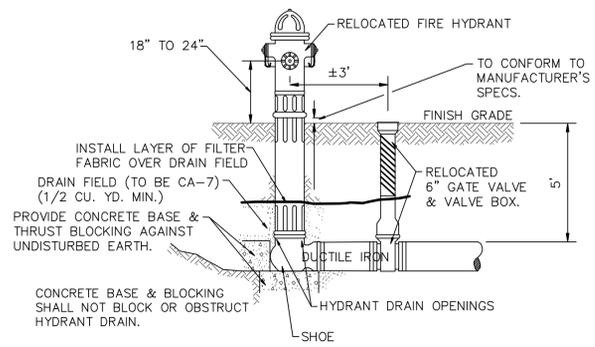


BOX-OUT DETAIL
NOT TO SCALE



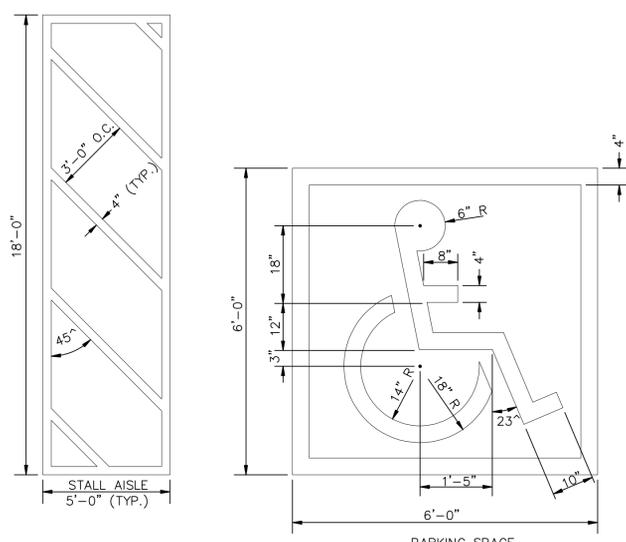
INLET
NOT TO SCALE

NOTES:
1.) INLET BOXES ARE TO BE USED WITH NEENAH #R-3067 OR APPROVED EQUAL INLET FRAME, CURB BOX AND TYPE DL/DR GRATE.
2.) INLET BOXES MAY BE PRECAST OR CAST IN PLACE CONCRETE.



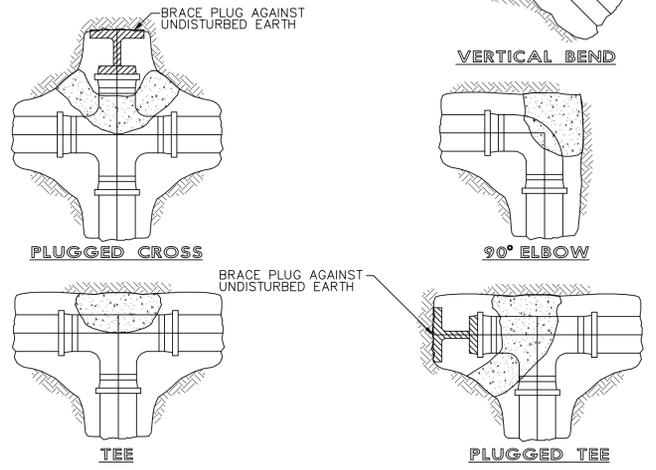
TYPICAL FIRE HYDRANT RELOCATION
NO SCALE

NOTE: THRUST BLOCK AND WATER VALVE INSTALLATION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS CONTAINED HEREIN.

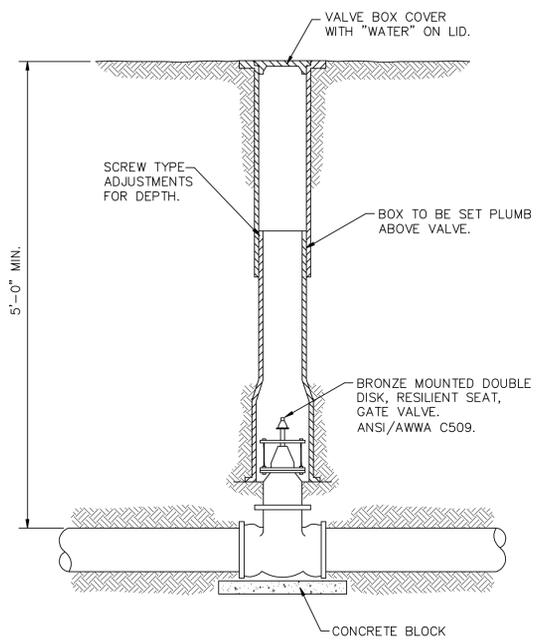


ACCESSIBLE PARKING (H.C.) DETAIL
NOT TO SCALE

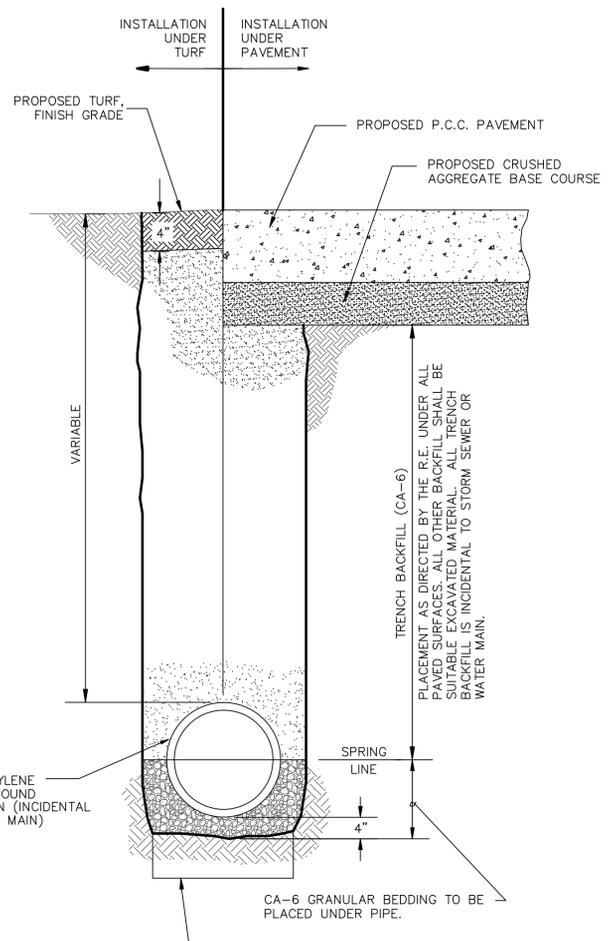
NOTES:
1.) ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
2.) ALL BLOCKS TO BE 3,000 P.S.I. CONCRETE, OR SOLID CONCRETE BLOCK
3.) ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.



THRUST BLOCK INSTALLATION
NOT TO SCALE



VALVE INSTALLATION DETAIL
NOT TO SCALE



NOTE: GRANULAR BEDDING, AND TRENCH BACKFILL, SHALL BE CONSIDERED INCIDENTAL TO THE STORM SEWER OR WATER MAIN.
ADDITIONAL "GRANULAR BEDDING" (CA-6) MAY BE REQUIRED IN AREAS WITH UNSUITABLE SOIL. (AS REQUIRED BY THE ENGINEER).

TYPICAL STORM SEWER/WATER MAIN INSTALLATION DETAIL
NOT TO SCALE

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

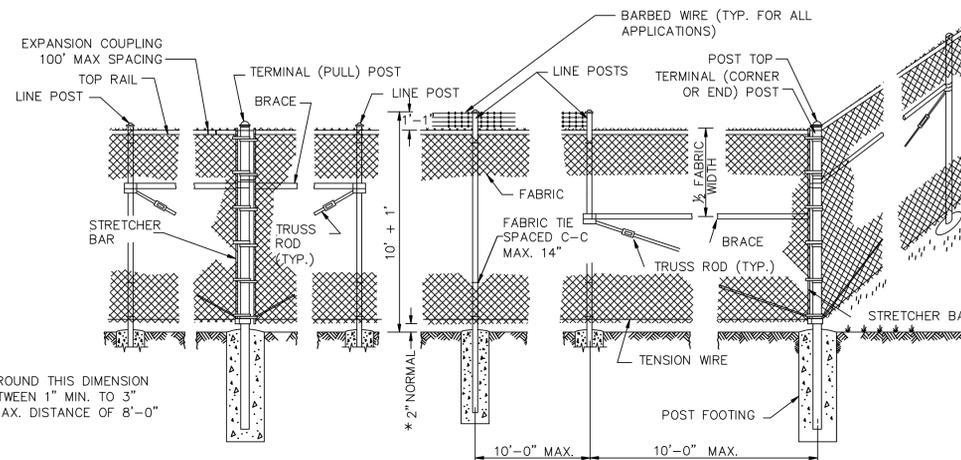


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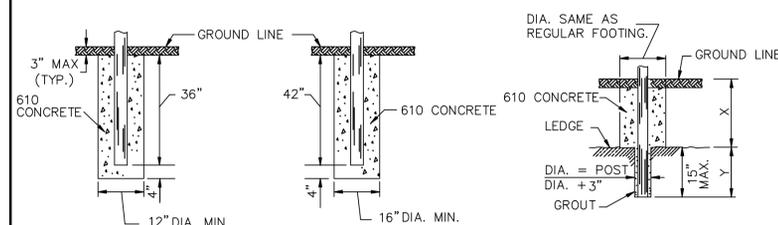
CONSTRUCTION DETAILS
SRE BUILDING RAMP IMPROVEMENTS
FILE NAME: T:\M0108.128\DWG\2012 PLANS\08128-MDL.DWG JOB NUMBER: 01-29-08-128



* ON UNEVEN GROUND THIS DIMENSION MAY VARY BETWEEN 1" MIN. TO 3" MAX. FOR A MAX. DISTANCE OF 8'-0"

POST AND BRACE TABLE		
DESCRIPTION	DIA.-INCHES	WT.-LBS./FT
LINE POST	3.0	4.65
TERMINAL POST	4.0	6.56
END POST	4.0	6.56
CORNER POST	4.0	6.56
PULL POST	4.0	6.56
GATE FRAMES	2.0	2.28
GATE POST	4.0	9.10
TOP RAIL	1.625	1.84
HORIZONTAL BRACE	1.625	1.84

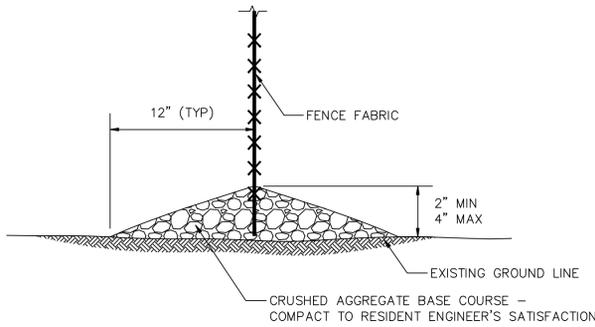
PULL POST NOT TO SCALE **LINE POST** NOT TO SCALE **CORNER OR END POST** NOT TO SCALE



(LINE POST) (GATE & TERMINAL POST) (POST IN ROCK LEDGE)

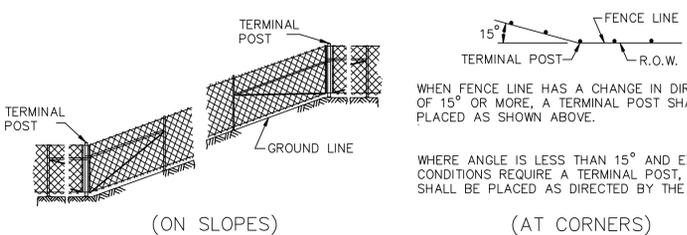
NOTES: X + Y SHALL NOT EXCEED 24", 30" OR 36", AS APPLICABLE. WHEN X IS 0 TO 9", 15", OR 21", Y = 15", AND THE POST SHALL BE SHORTENED AS REQUIRED. WHEN X EXCEEDS 9", 15", OR 21", Y SHALL BE DECREASED CORRESPONDINGLY.

FOOTING DETAILS
NOT TO SCALE



NOTE: HEIGHT OF FENCE ABOVE GROUND SHALL BE APPROVED PRIOR TO PLACING AGGREGATE

AGGREGATE BASE DETAIL
NOT TO SCALE

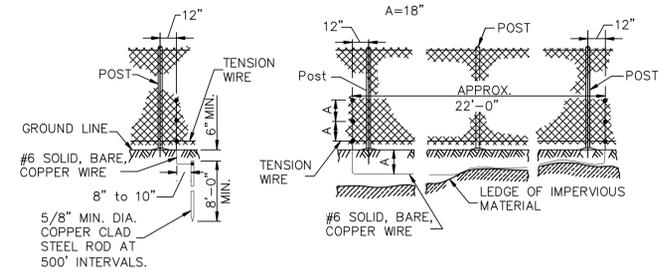


(ON SLOPES) (AT CORNERS)

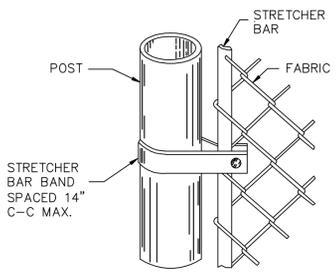
INSTALLATION DETAILS
NOT TO SCALE

GENERAL NOTES

- 1.) PULL POSTS SHALL BE PLACED AT LOCATIONS DETERMINED BY THE ENGINEER. THEY SHALL BE PLACED AT 660' INTERVALS BETWEEN POSTS TO WHICH THE ENDS OF THE FABRIC ARE CLAMPED OR MIDWAY BETWEEN SUCH POSTS WHEN THE DISTANCE IS LESS THAN 1320' AND GREATER THAN 660'.
- 2.) TRUSS RODS SHALL BE 3/8" ROUND GALVANIZED STEEL ROD WITH GALVANIZED TURNBUCKLES. THE ZINC COATING SHALL NOT BE LESS THAN 1.2 OUNCES PER SQUARE FOOT OF SURFACE.
- 3.) "H" SECTION STRUCTURAL SHAPE AND SQUARE TUBULAR PIPE SHALL NOT BE ALLOWED.

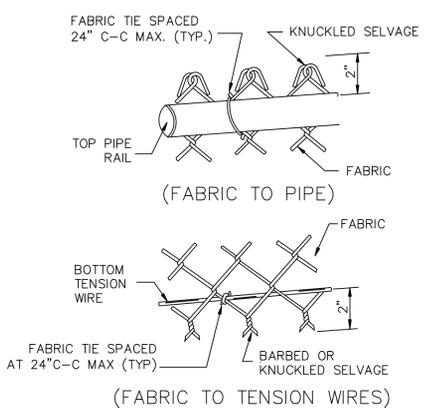


PROTECTIVE ELECTRICAL GROUNDS
NOT TO SCALE



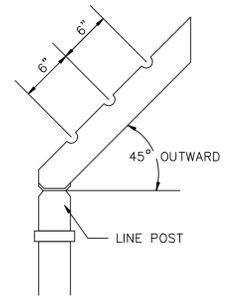
(STRETCHER BAR TO POST)

FASTENING METHODS
NOT TO SCALE



(FABRIC TO PIPE)

(FABRIC TO TENSION WIRES)



BARBED WIRE ARM DETAIL
NOT TO SCALE

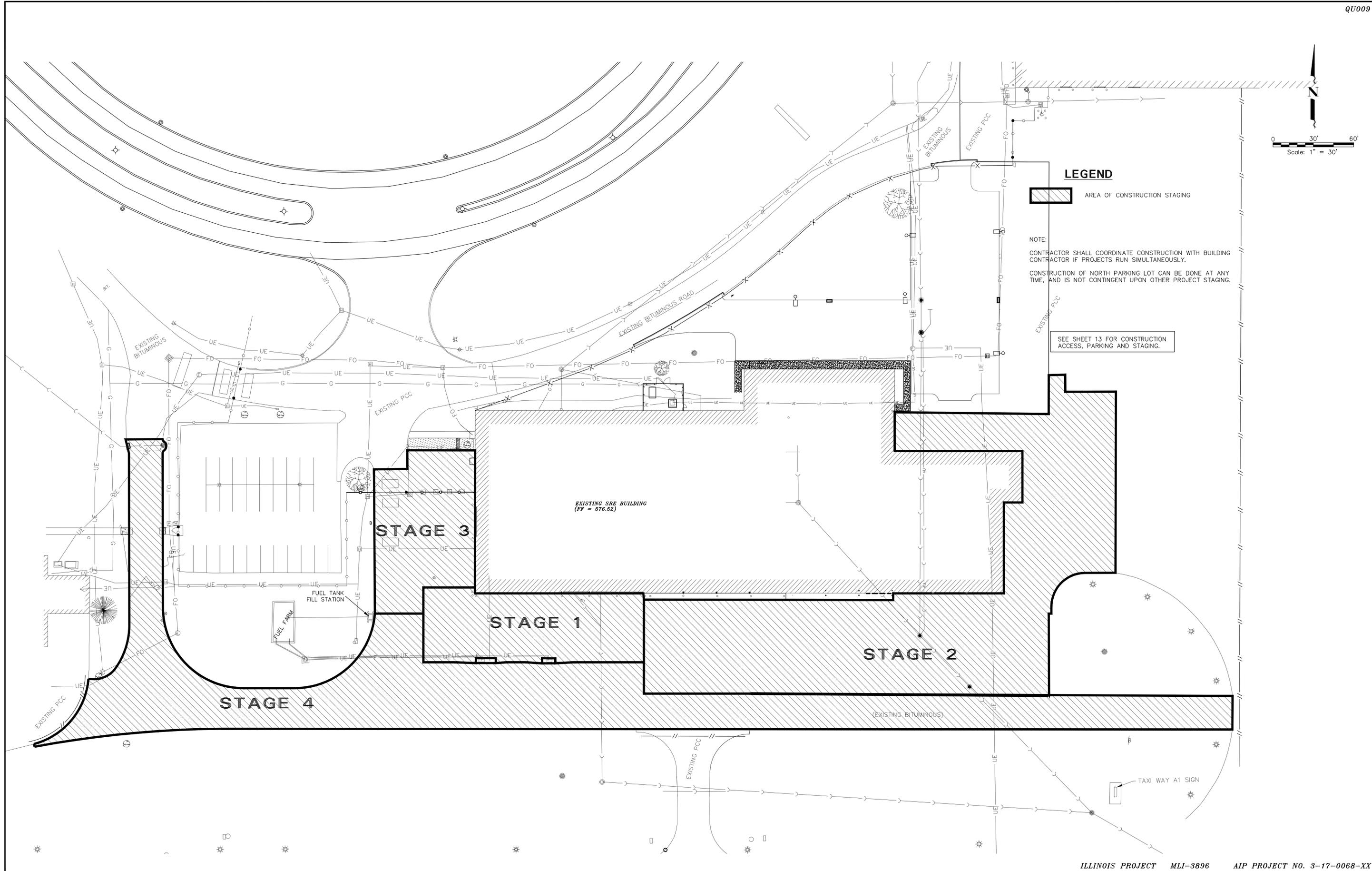


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NO.	ITEM	DATE

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DATE: MAY 10, 2013

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CONSTRUCTION DETAILS
SRE BUILDING RAMP IMPROVEMENTS
FILE NAME: T:\M0108.128\DWG\2012 PLANS\08128-MDL.DWG
JOB NUMBER: 01-29-08-128



LEGEND

AREA OF CONSTRUCTION STAGING

NOTE:
CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH BUILDING CONTRACTOR IF PROJECTS RUN SIMULTANEOUSLY.
CONSTRUCTION OF NORTH PARKING LOT CAN BE DONE AT ANY TIME, AND IS NOT CONTINGENT UPON OTHER PROJECT STAGING.

SEE SHEET 13 FOR CONSTRUCTION ACCESS, PARKING AND STAGING.

EXISTING SRE BUILDING
(FF = 576.52)

STAGE 3

STAGE 1

STAGE 2

STAGE 4

FUEL TANK
FILL STATION

FUEL FARM

TAXI WAY A1 SIGN

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

QUAD CITY INTERNATIONAL AIRPORT
Rock Island County, Illinois



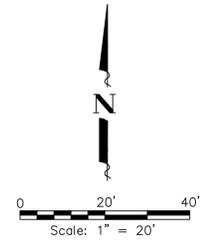
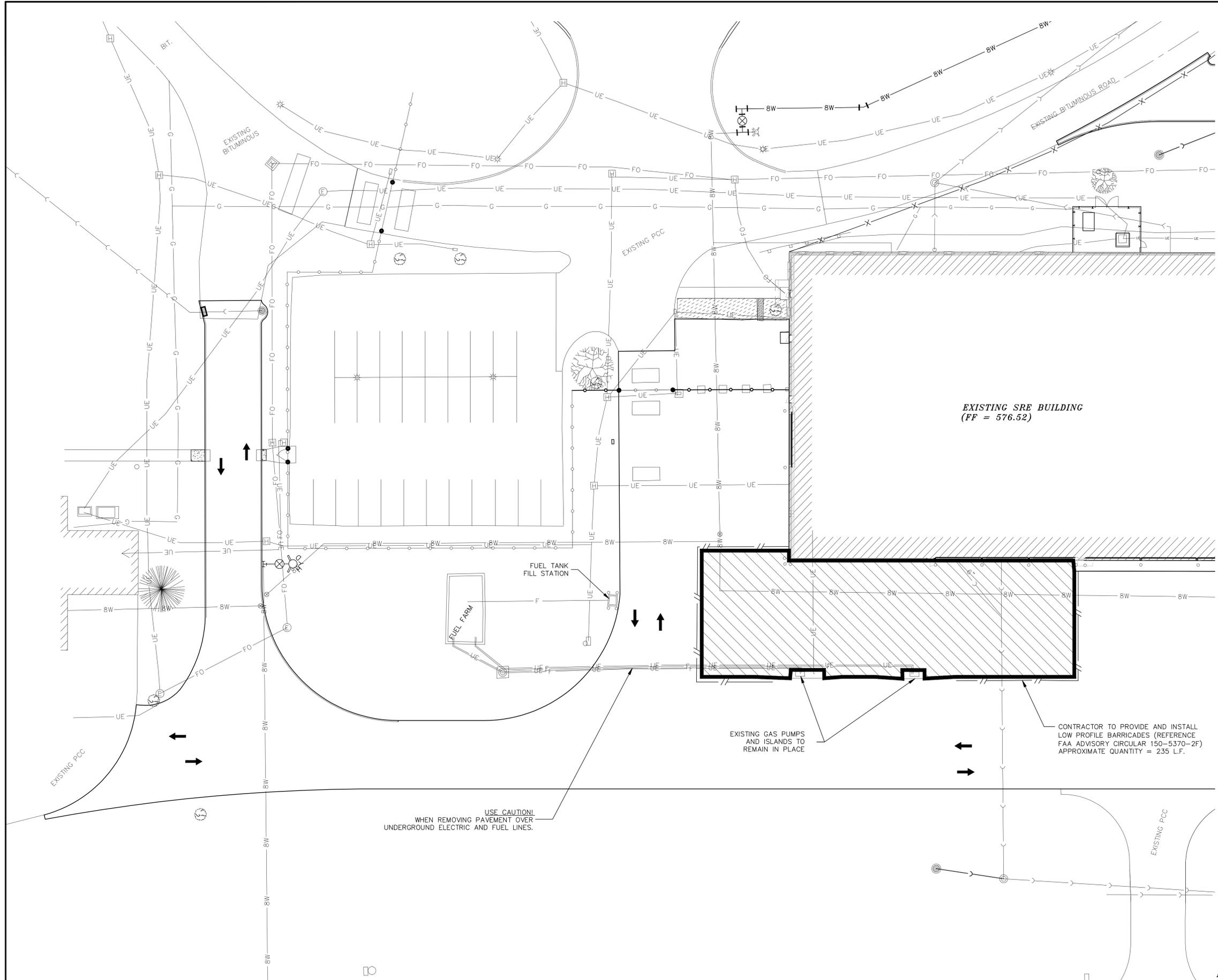
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NO.	ITEM	DATE

PLOTTING SCALE: 1" = 30'
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OVERALL STAGING PLAN
 SRE BUILDING RAMP IMPROVEMENTS
 FILE NAME: T:\M108.128\DWG\2012 PLANS\08128-MDL.DWG JOB NUMBER: 01-29-08-128

SHEET NO.
8
 OF 28



LEGEND

-  AREA OF CONSTRUCTION STAGING
-  TRAFFIC DIRECTION
-  LOW PROFILE BARRICADES (INCIDENTAL TO TRAFFIC MAINTENANCE)

STAGE 1

- REMOVE AND REPLACE PAVEMENT IN STAGE 1 AREA AS SHOWN
- TRAFFIC FLOW NORMAL EXCEPT WITHIN STAGE 1 AREA.
- MAINTAIN ACCESS TO SOUTH SIDE OF FUEL PUMPS.
- INSTALL TEMPORARY BITUMINOUS RAMPS AS NECESSARY TO CORRECT ELEVATION DIFFERENCE BETWEEN EXISTING AND PROPOSED PAVEMENT. (INCIDENTAL TO 8" PCC PAVEMENT)

USE CAUTION!
WHEN REMOVING PAVEMENT OVER
UNDERGROUND ELECTRIC AND FUEL LINES.

EXISTING GAS PUMPS
AND ISLANDS TO
REMAIN IN PLACE

CONTRACTOR TO PROVIDE AND INSTALL
LOW PROFILE BARRICADES (REFERENCE
FAA ADVISORY CIRCULAR 150-5370-2F)
APPROXIMATE QUANTITY = 235 L.F.

EXISTING SRE BUILDING
(FF = 576.52)



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PLOTTING SCALE:	1" = 20'
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DATE:	MAY 10, 2013

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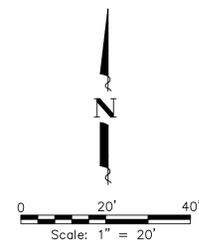
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CONSTRUCTION STAGING PLAN - STAGE 1

SRE BUILDING RAMP IMPROVEMENTS

FILE NAME: T:\M0108.128\DWG\2012 PLANS\08128-MDL.DWG

JOB NUMBER: 01-29-08-128



STAGE 2

- TRAFFIC FLOW NORMAL EXCEPT WITHIN STAGE 2.
- REMOVE PAVEMENT IN STAGE 2 AREA.
- VERIFY THAT ALL UNDERGROUND UTILITY WORK HAS BEEN COMPLETED.
- REPLACE PAVEMENT IN STAGE 2 AREA.

← EXISTING 8" PCC APRON EXISTING 17" PCC APRON

CONTRACTOR TO PROVIDE AND INSTALL LOW PROFILE BARRICADES (REFERENCE FAA ADVISORY CIRCULAR 150-5370-2F) APPROXIMATE QUANTITY = 500 L.F.

EXISTING SRE BUILDING
(FF = 576.52)

USE CAUTION!
WHEN REMOVING PAVEMENT OVER UNDERGROUND ELECTRIC LINES.

PROPOSED STORM SEWER

CONTRACTOR TO PROVIDE AND INSTALL LOW PROFILE BARRICADES (REFERENCE FAA ADVISORY CIRCULAR 150-5370-2F) APPROXIMATE QUANTITY = 400 L.F.

LEGEND

-  AREA OF CONSTRUCTION STAGING
-  COMPLETED PCC PAVEMENT
-  TRAFFIC DIRECTION
-  LOW PROFILE BARRICADES (INCIDENTAL TO TRAFFIC MAINTENANCE)
-  EXISTING TEMPORARY FENCE

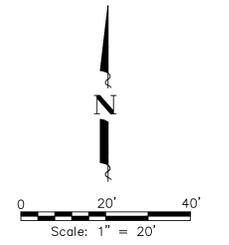
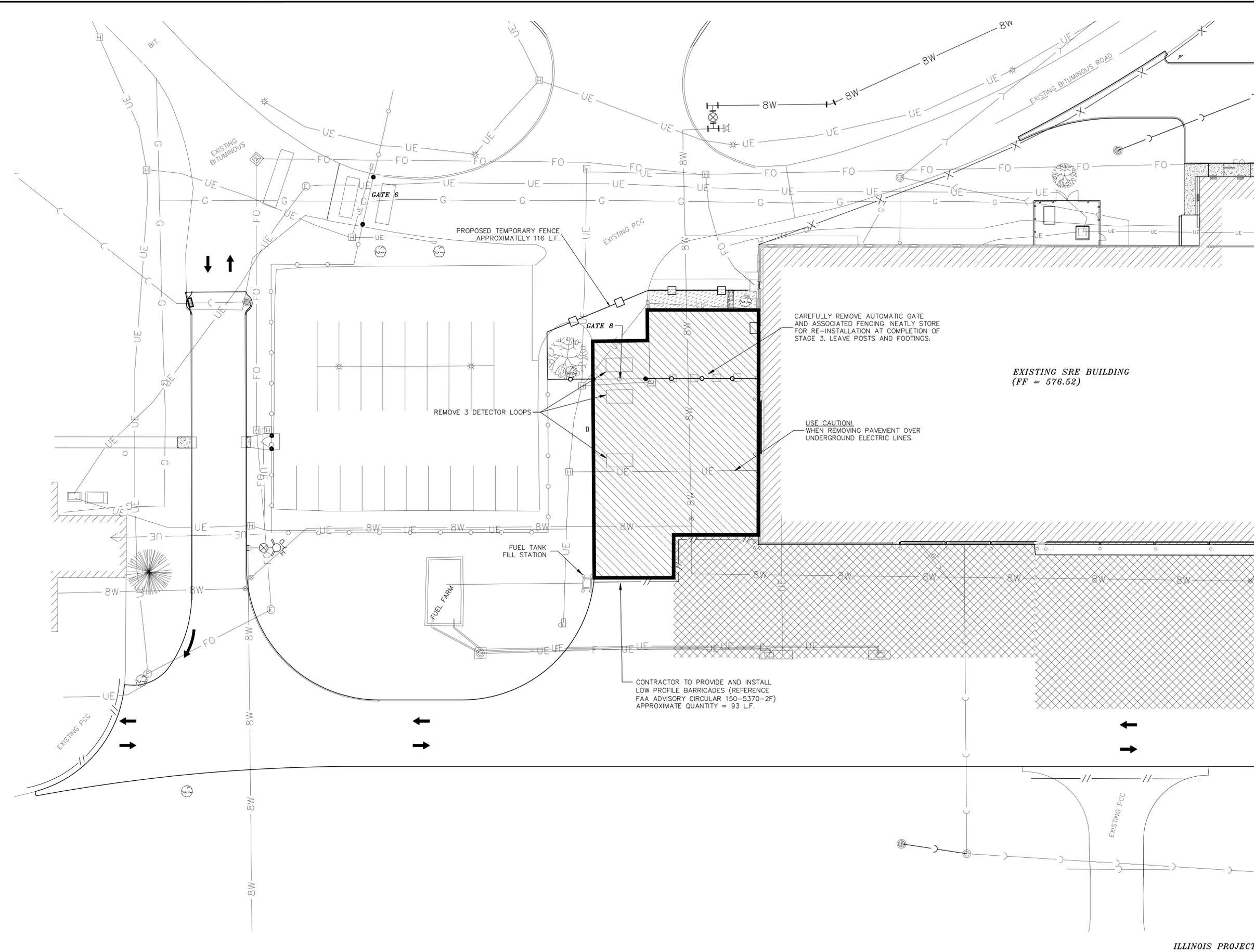
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LEGEND

-  AREA OF CONSTRUCTION STAGING
-  COMPLETED PCC PAVEMENT
-  TRAFFIC DIRECTION
-  LOW PROFILE BARRICADES (INCIDENTAL TO TRAFFIC MAINTENANCE)
-  PROPOSED TEMPORARY FENCE
-  EXISTING TEMPORARY FENCE

STAGE 3

- INSTALL TEMPORARY FENCE ALONG NORTH SIDE OF STAGE 3 PAVEMENT.
- REMOVE GATE 8 AND FENCE FABRIC TO ALLOW PAVEMENT REMOVAL AND REPLACEMENT WITHIN STAGE 3 AREA. DO NOT REMOVE POSTS OR POST FOOTINGS.
- GATE 8 ACCESS CLOSED
- MAINTAIN ACCESS TO FUEL TANK FILL STATION FROM SOUTH, USING GATE 6.
- REMOVE PAVEMENT IN STAGE 3 AREA AS SHOWN.
- REMOVE DETECTOR LOOPS.
- REPLACE PAVEMENT AND DETECTOR LOOPS.
- REPLACE GATE 8 AND CLASS E 10' FENCE.
- REMOVE TEMPORARY FENCE NORTH OF STAGE 3 PAVEMENT.
- INSTALL TEMPORARY BITUMINOUS RAMPS AS NECESSARY TO CORRECT ELEVATION DIFFERENCE BETWEEN EXISTING AND PROPOSED PAVEMENT. (INCIDENTAL TO 8" PCC PAVEMENT)

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX



REVISIONS		
NO.	ITEM	DATE

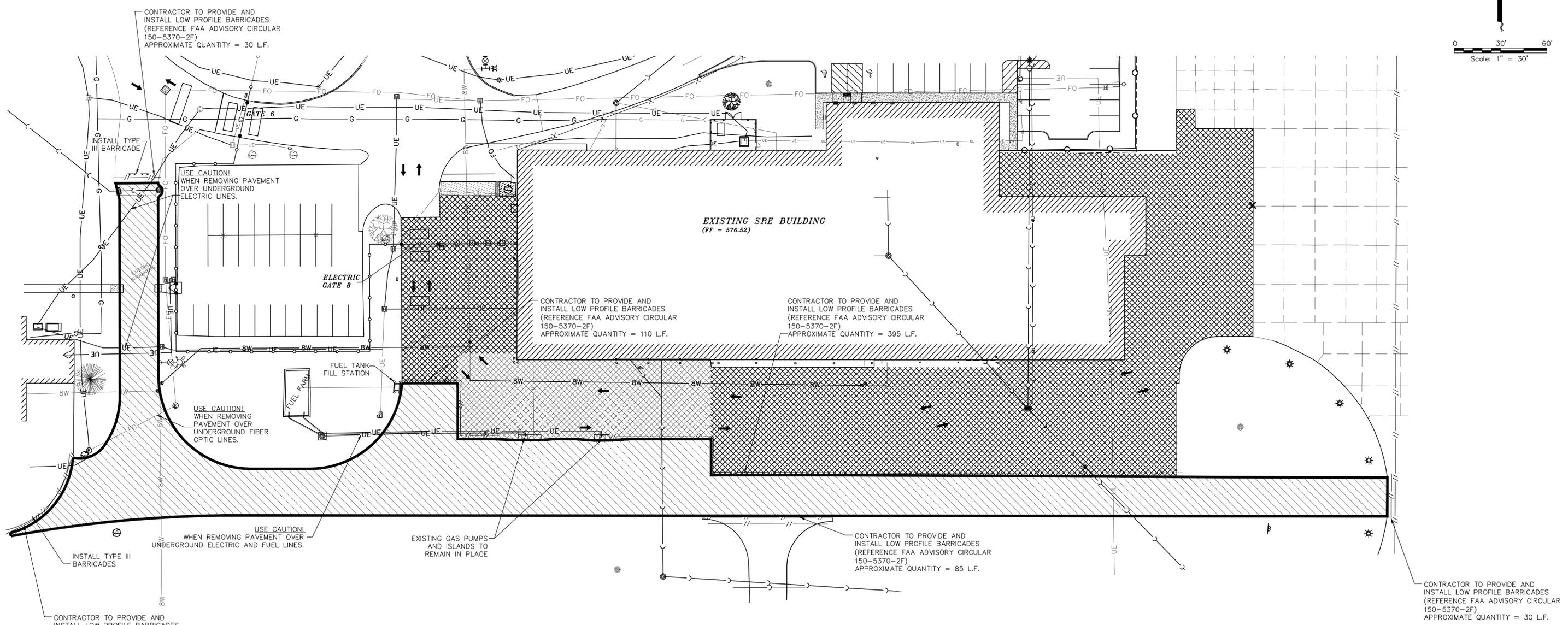
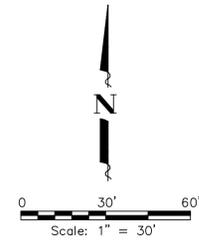
PLOTTING SCALE: 1" = 20'
 DRAWN BY: BMG, JLB
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 DATE: MAY 10, 2013

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CONSTRUCTION STAGING PLAN - STAGE 3
 SRE BUILDING RAMP IMPROVEMENTS

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 JOB NUMBER: 01-29-08-128



LEGEND

-  AREA OF CONSTRUCTION STAGING
-  COMPLETED PCC PAVEMENT
-  TYPE III BARRICADE (INCIDENTAL TO TRAFFIC MAINTENANCE)
-  TRAFFIC DIRECTION
-  EXISTING FENCE
-  PROPOSED TEMPORARY FENCE
-  LOW PROFILE BARRICADES (INCIDENTAL TO TRAFFIC MAINTENANCE)
-  EXISTING TEMPORARY FENCE
-  PROPOSED CLASS E FENCE-10'

STAGE 4

- REMOVE AND REPLACE PAVEMENT IN STAGE 4 AREA AS SHOWN
- EAST-WEST TRAFFIC FLOW MOVES NORTH OF FUEL PUMPS, THROUGH COMPLETED STAGES 1, 2 AND 3.
- MAINTAIN ACCESS TO NORTH SIDE OF FUEL PUMPS.
- ACCESS SHALL BE THROUGH GATE 8.
- INSTALL TEMPORARY BITUMINOUS RAMPS AS NECESSARY TO CORRECT ELEVATION DIFFERENCE BETWEEN EXISTING AND PROPOSED PAVEMENT. (INCIDENTAL TO 8" PCC PAVEMENT)

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

QUAD CITY INTERNATIONAL AIRPORT
Rock Island County, Illinois



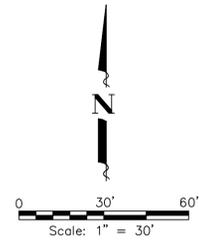
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PLOTTING SCALE: 1" = 30'
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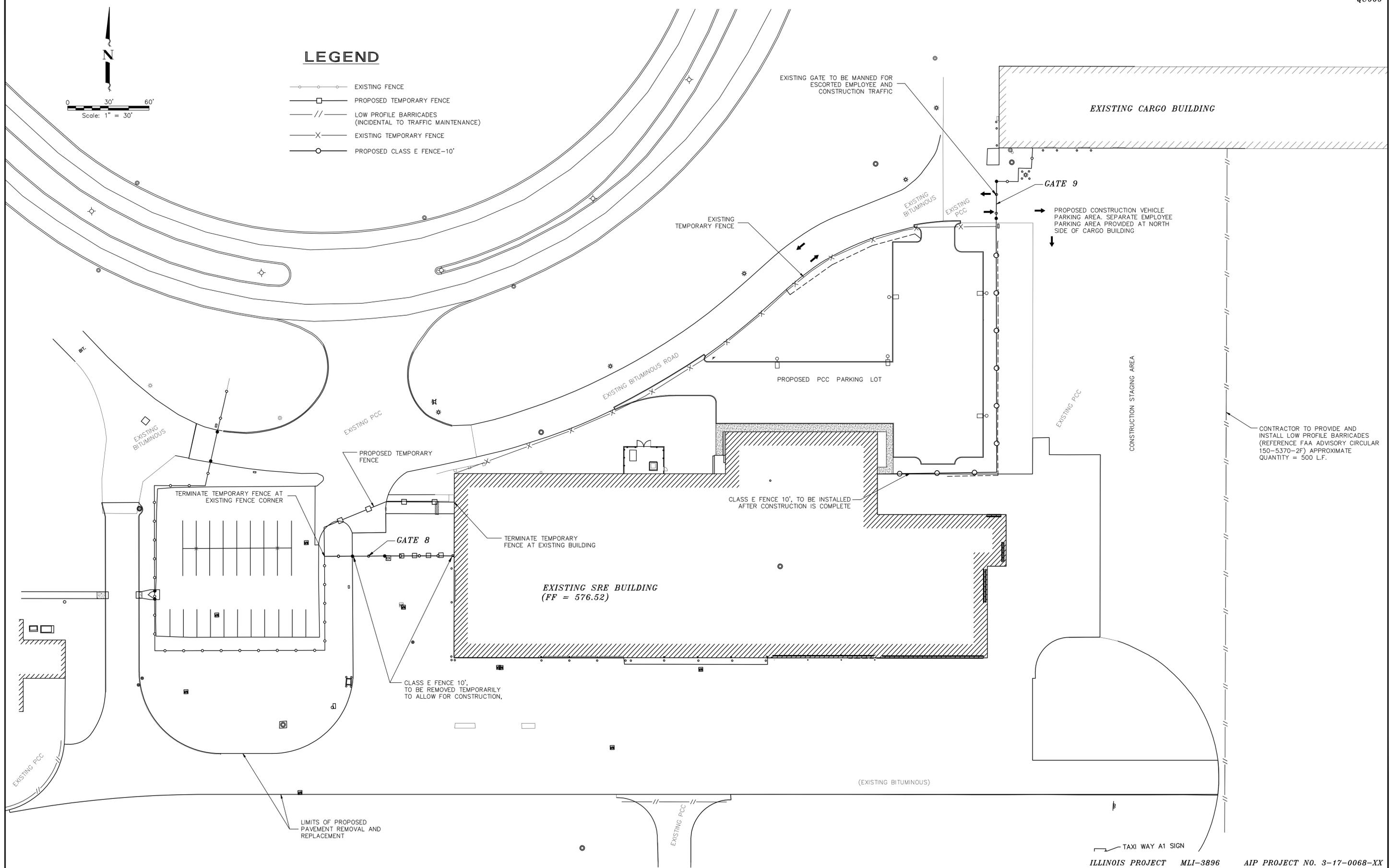
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 SRE BUILDING RAMP IMPROVEMENTS
 FILE NAME: T:\M108.128\DWG\2012 PLANS\08128-MDL.DWG
 JOB NUMBER: 01-29-08-128

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LEGEND

- EXISTING FENCE
- PROPOSED TEMPORARY FENCE
- //— LOW PROFILE BARRICADES (INCIDENTAL TO TRAFFIC MAINTENANCE)
- X— EXISTING TEMPORARY FENCE
- PROPOSED CLASS E FENCE-10'



CONTRACTOR TO PROVIDE AND INSTALL LOW PROFILE BARRICADES (REFERENCE FAA ADVISORY CIRCULAR 150-5370-2F) APPROXIMATE QUANTITY = 500 L.F.

TAXI WAY A1 SIGN
 ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

QUAD CITY INTERNATIONAL AIRPORT
 Rock Island County, Illinois



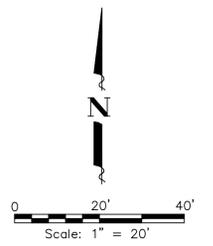
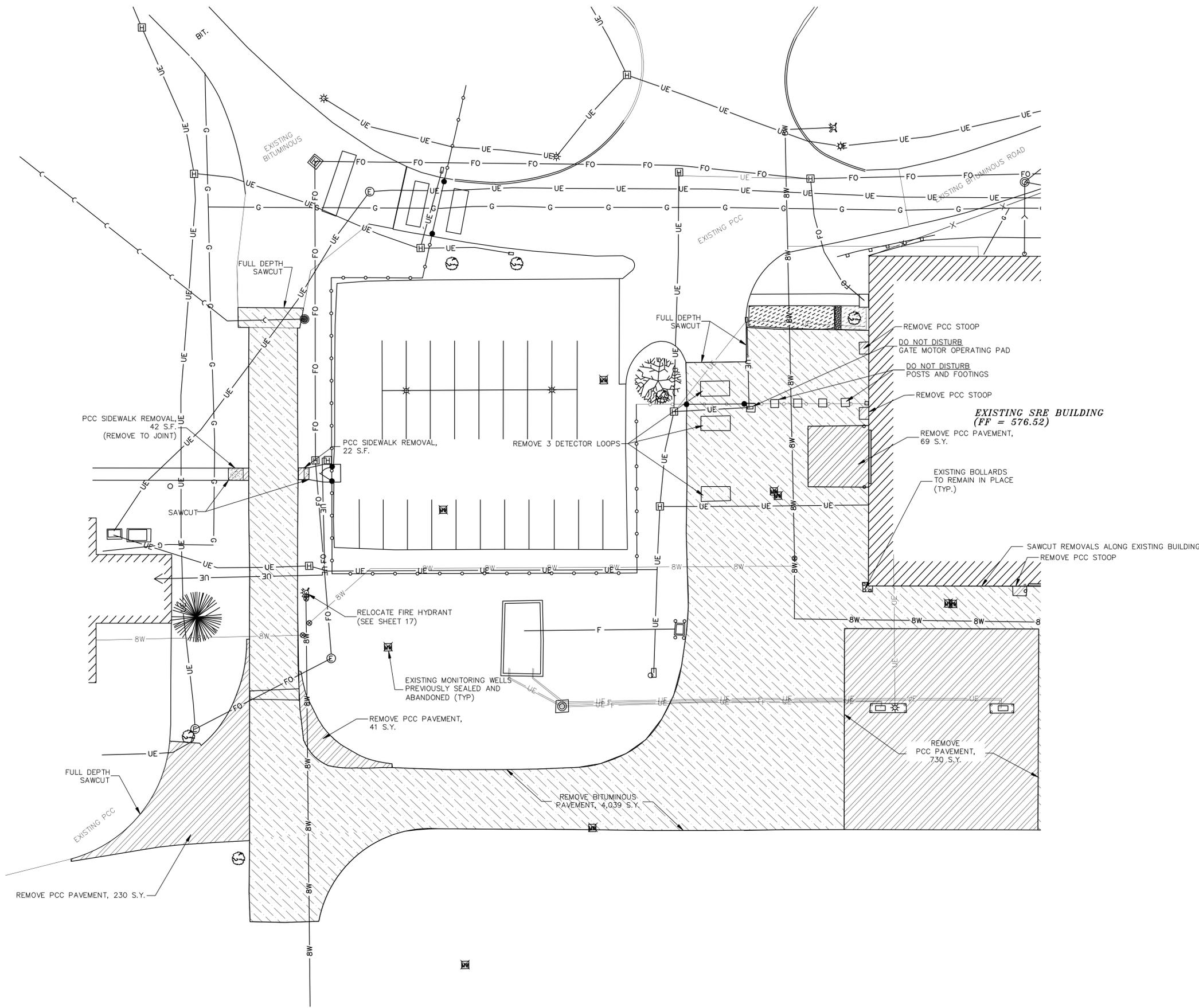
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ACCESS & STAGING AREA PLAN
 SRE BUILDING RAMP IMPROVEMENTS
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 JOB NUMBER: 01-29-08-128

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LEGEND

- REMOVE PCC PAVEMENT
- REMOVE BITUMINOUS PAVEMENT

NOTE
SEE STAGING PLANS FOR ORDER OF PAVEMENT REMOVAL.

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QUAD CITY INTERNATIONAL AIRPORT
Rock Island County, Illinois



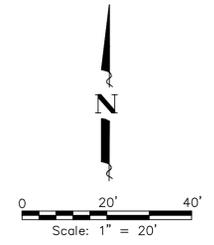
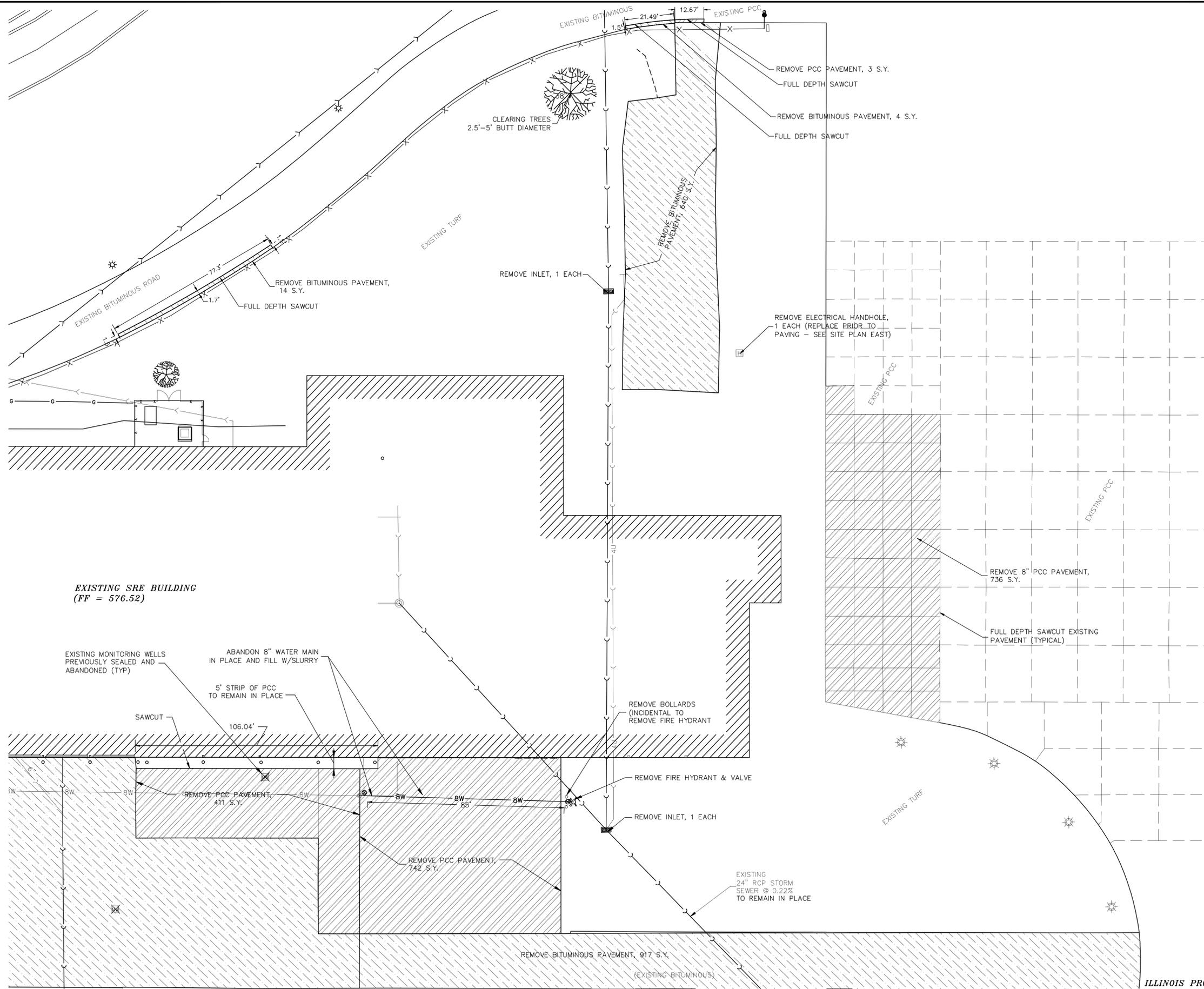
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REMOVALS PLAN - WEST
SRE BUILDING RAMP IMPROVEMENTS
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LEGEND

- REMOVE PCC PAVEMENT
- REMOVE BITUMINOUS PAVEMENT

NOTE:
SEE STAGING PLANS FOR
ORDER OF PAVEMENT REMOVAL.

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

QUAD CITY INTERNATIONAL AIRPORT
Rock Island County, Illinois



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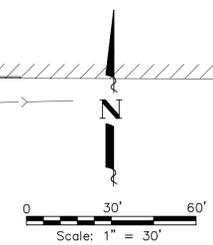
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REMOVALS PLAN - EAST
 SRE BUILDING RAMP IMPROVEMENTS
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 JOB NUMBER: 01-29-08-128

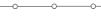
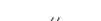
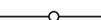
SHEET NO.
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OF 28

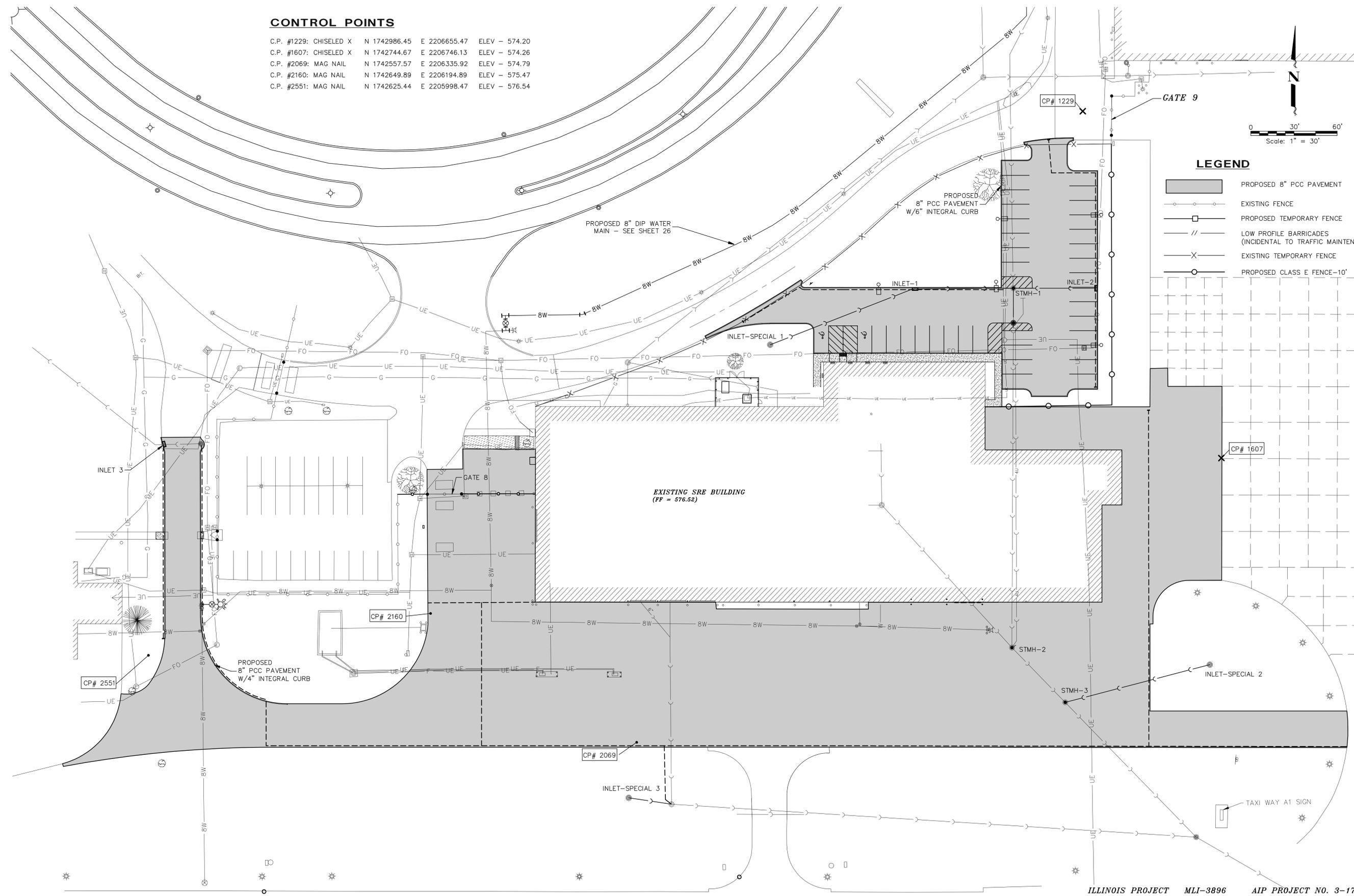
CONTROL POINTS

C.P. #1229: CHISELED X	N 1742986.45	E 2206655.47	ELEV - 574.20
C.P. #1607: CHISELED X	N 1742744.67	E 2206746.13	ELEV - 574.26
C.P. #2069: MAG NAIL	N 1742557.57	E 2206335.92	ELEV - 574.79
C.P. #2160: MAG NAIL	N 1742649.89	E 2206194.89	ELEV - 575.47
C.P. #2551: MAG NAIL	N 1742625.44	E 2205998.47	ELEV - 576.54



LEGEND

-  PROPOSED 8" PCC PAVEMENT
-  EXISTING FENCE
-  PROPOSED TEMPORARY FENCE
-  LOW PROFILE BARRICADES (INCIDENTAL TO TRAFFIC MAINTENANCE)
-  EXISTING TEMPORARY FENCE
-  PROPOSED CLASS E FENCE-10'



ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

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Rock Island County, Illinois



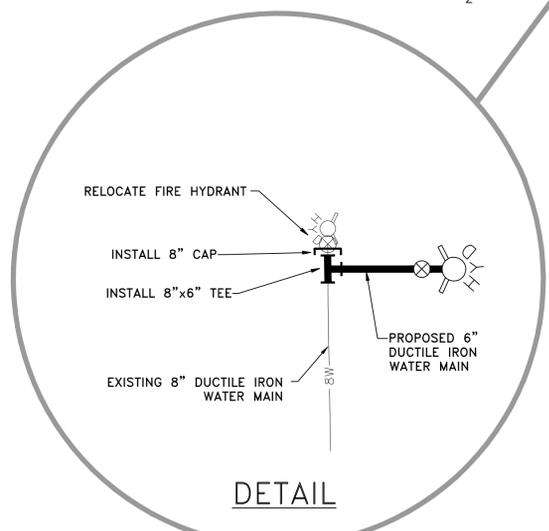
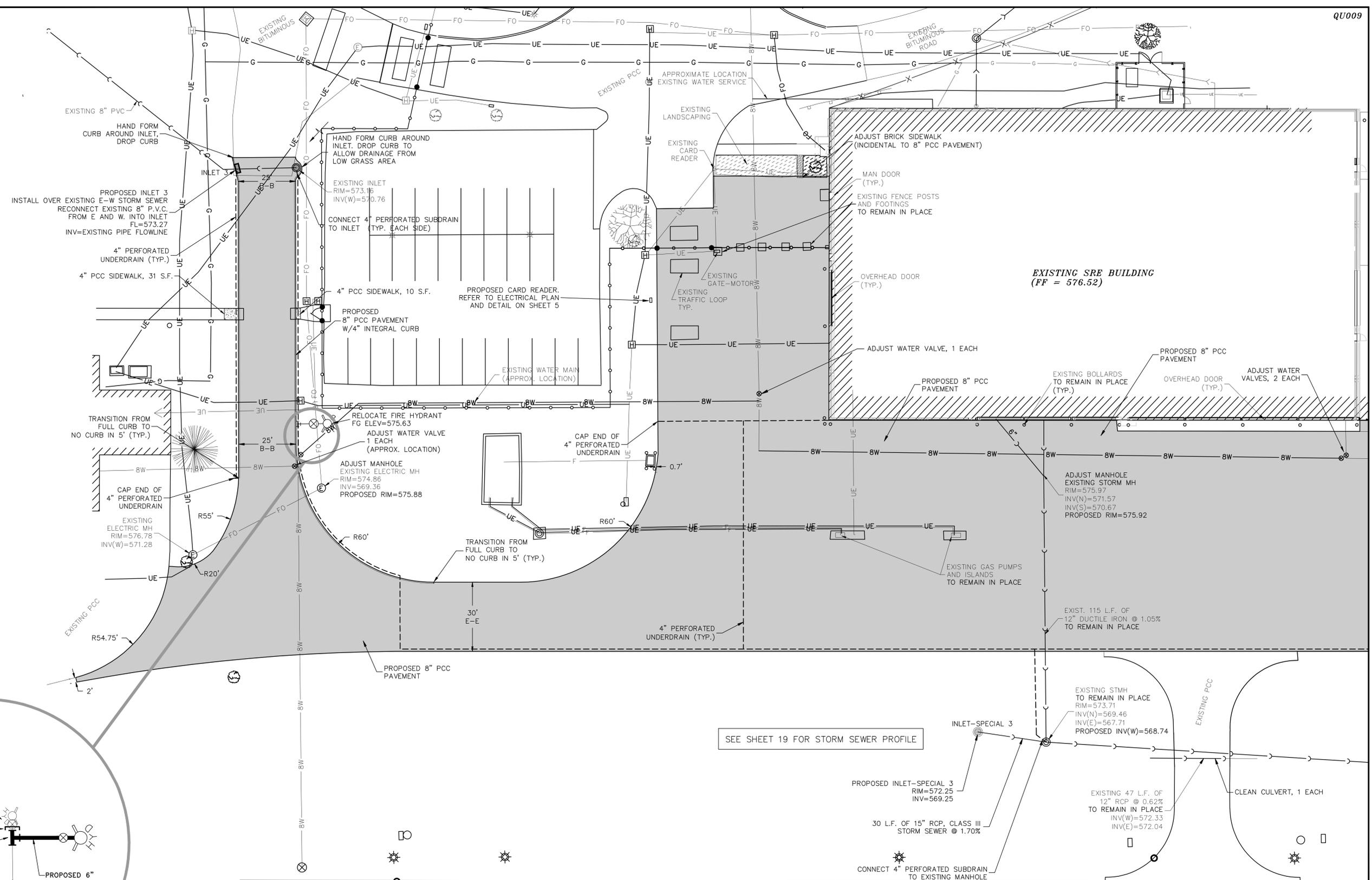
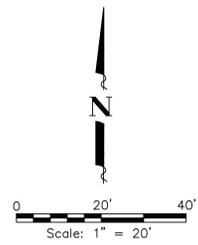
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OVERALL SITE PLAN
SRE BUILDING RAMP IMPROVEMENTS
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SEE SHEET 19 FOR STORM SEWER PROFILE



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NO.	ITEM	DATE

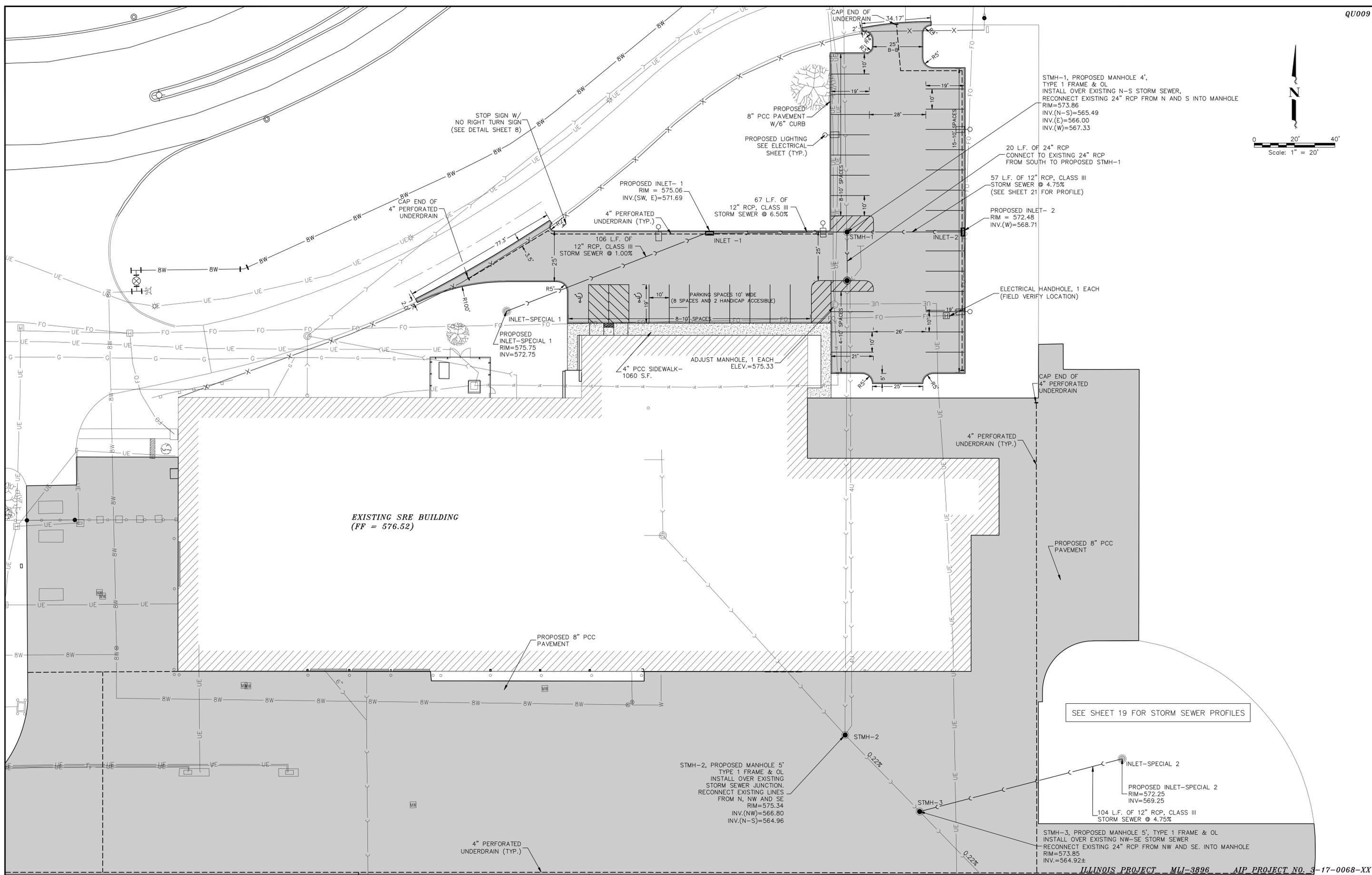
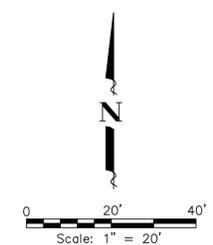
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 DATE: MAY 10, 2013

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SITE PLAN - WEST
 SRE BUILDING RAMP IMPROVEMENTS
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STMH-1, PROPOSED MANHOLE 4', TYPE 1 FRAME & OL. INSTALL OVER EXISTING N-S STORM SEWER. RECONNECT EXISTING 24" RCP FROM N AND S INTO MANHOLE. RIM=573.86. INV.(N-S)=565.49. INV.(E)=566.00. INV.(W)=567.33.

20 L.F. OF 24" RCP CONNECT TO EXISTING 24" RCP FROM SOUTH TO PROPOSED STMH-1.

57 L.F. OF 12" RCP, CLASS III STORM SEWER @ 4.75% (SEE SHEET 21 FOR PROFILE).

PROPOSED INLET- 2 RIM = 572.48 INV.(W)=568.71

ELECTRICAL HANDHOLE, 1 EACH (FIELD VERIFY LOCATION)

PROPOSED INLET- 1 RIM = 575.06 INV.(SW, E)=571.69

4" PERFORATED UNDERDRAIN (TYP.)

106 L.F. OF 12" RCP, CLASS III STORM SEWER @ 1.00%

ADJUST MANHOLE, 1 EACH ELEV.=575.33

4" PCC SIDEWALK- 1060 S.F.

PROPOSED INLET-SPECIAL 1 RIM=575.75 INV=572.75

INLET-SPECIAL 1

SEE SHEET 19 FOR STORM SEWER PROFILES

STMH-2, PROPOSED MANHOLE 5' TYPE 1 FRAME & OL. INSTALL OVER EXISTING STORM SEWER JUNCTION. RECONNECT EXISTING LINES FROM N, NW AND SE. RIM=575.34. INV.(NW)=566.80. INV.(N-S)=564.96

STMH-3, PROPOSED MANHOLE 5', TYPE 1 FRAME & OL. INSTALL OVER EXISTING NW-SE STORM SEWER. RECONNECT EXISTING 24" RCP FROM NW AND SE. INTO MANHOLE. RIM=573.85. INV.=564.92±

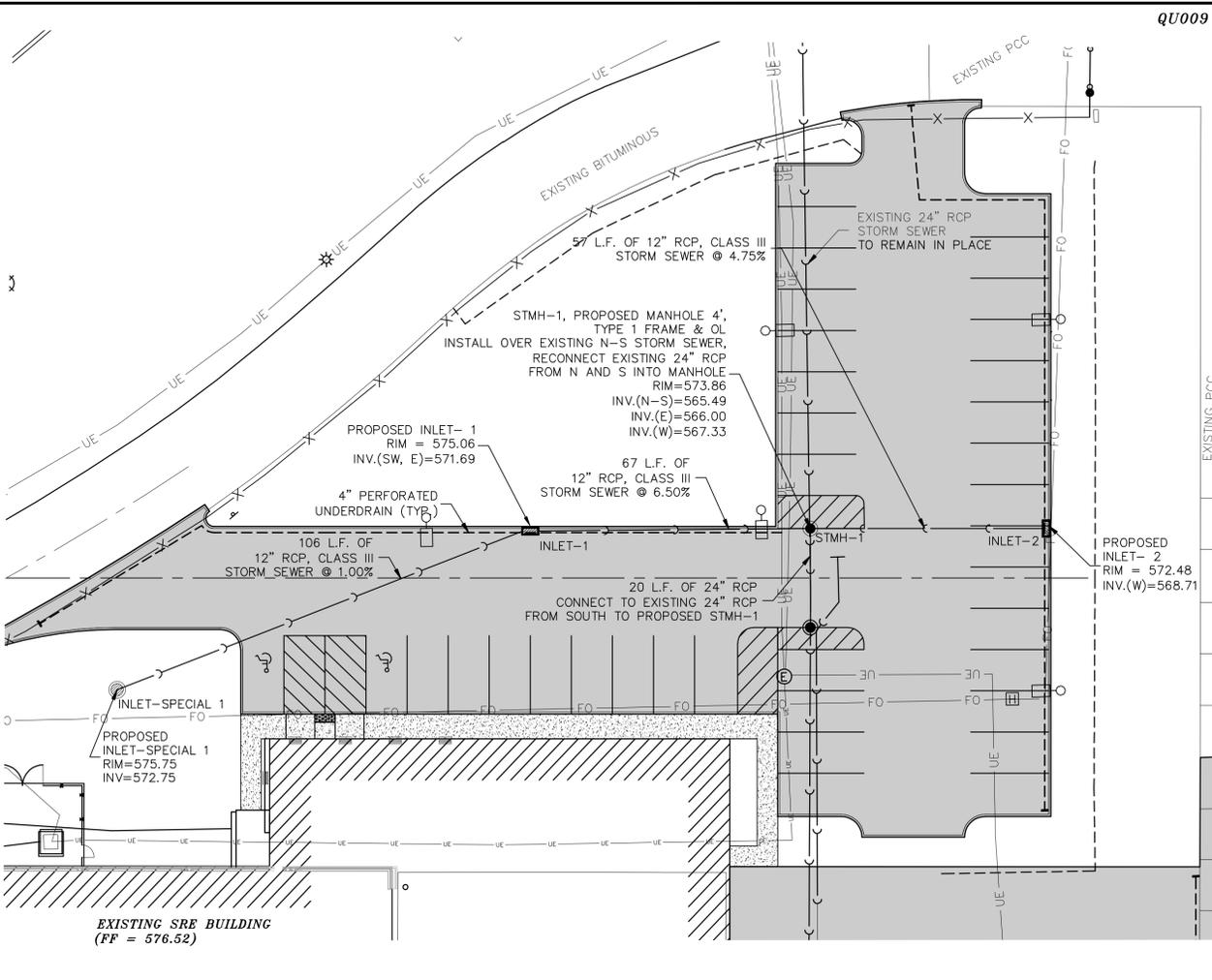
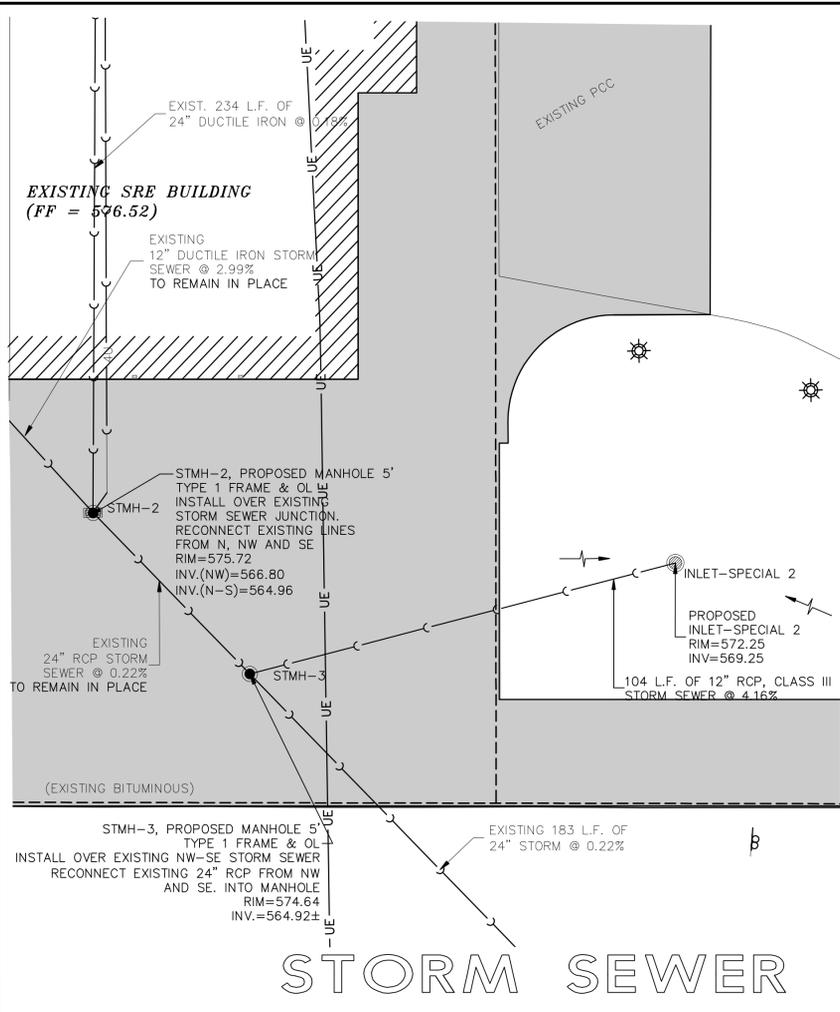
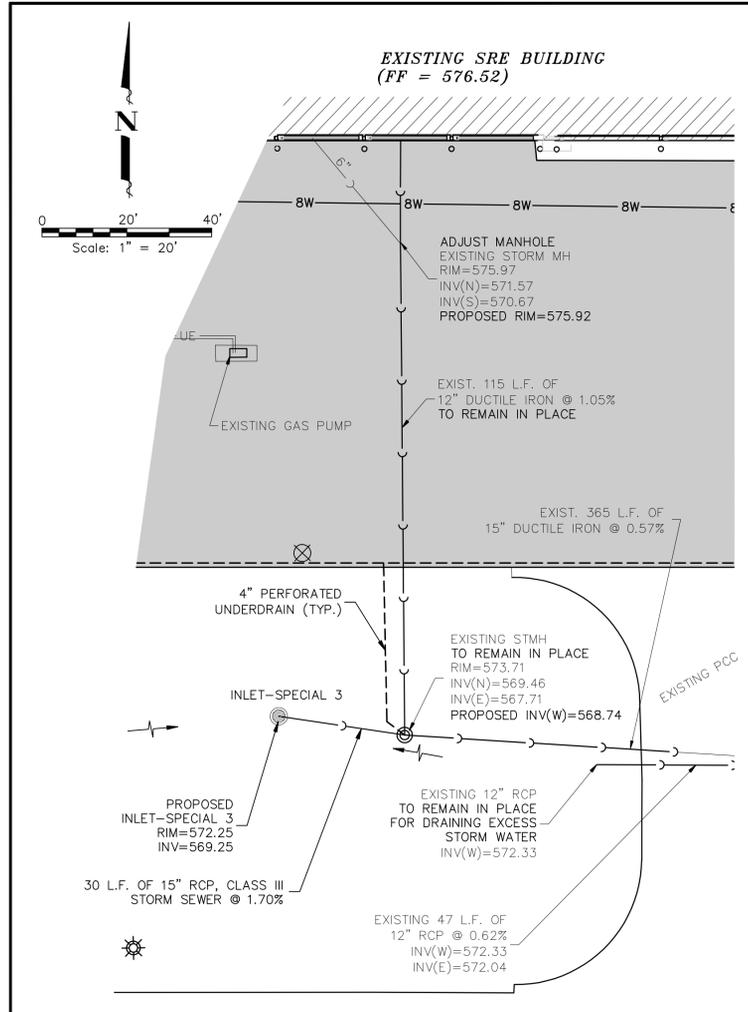
ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX



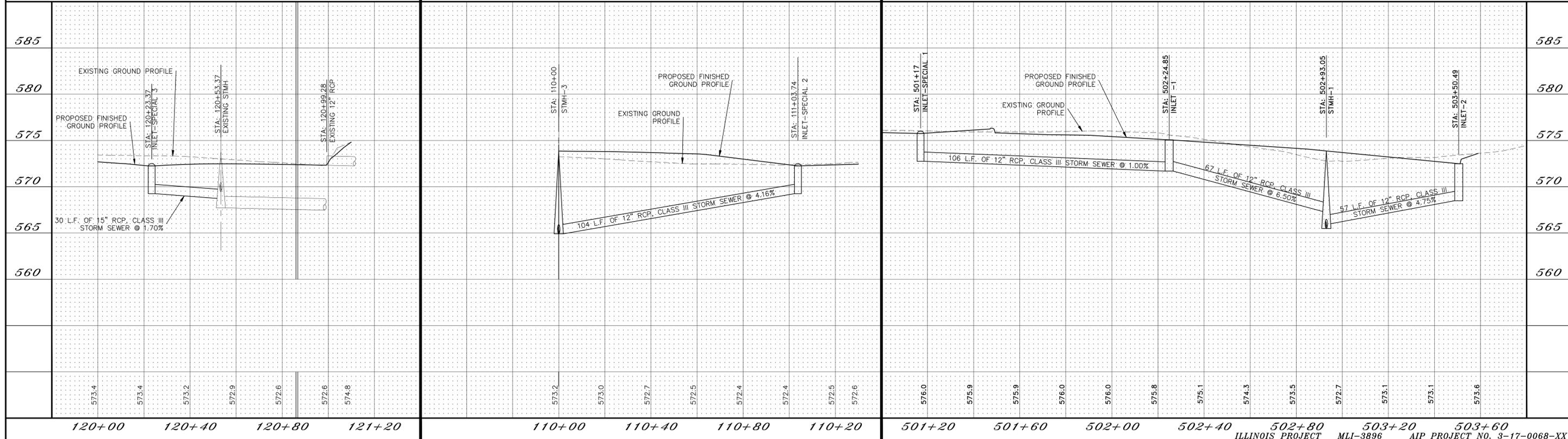
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NO.	ITEM	DATE

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STORM SEWER

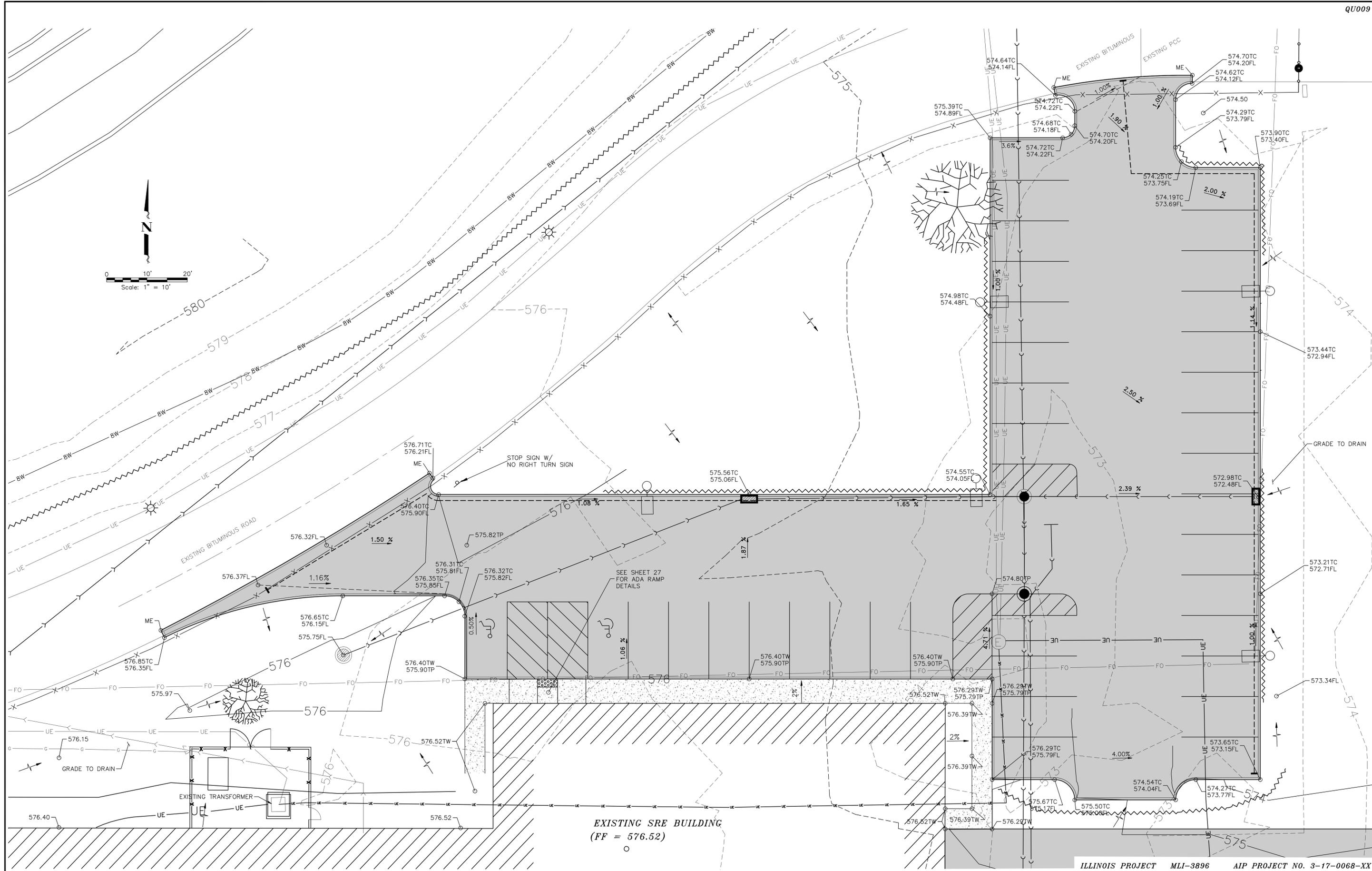


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STORM SEWER PLAN & PROFILES
SRE BUILDING RAMP IMPROVEMENTS
FILE NAME: T:\M0108.128\DWG\2012 PLANS\08128-MDL.DWG JOB NUMBER: 01-29-08-128



EXISTING SRE BUILDING
(FF = 576.52)

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

QUAD CITY INTERNATIONAL AIRPORT
Rock Island County, Illinois



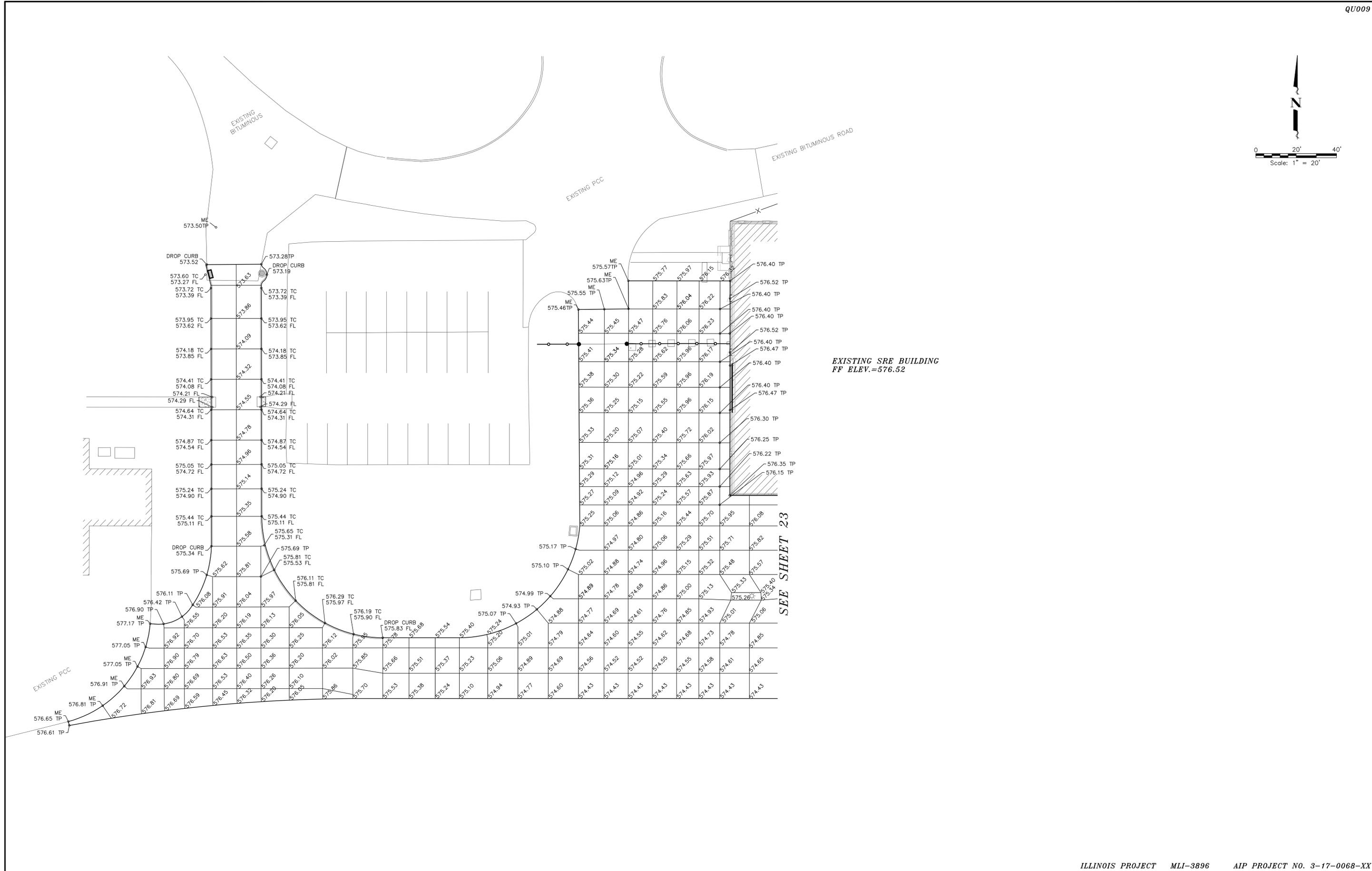
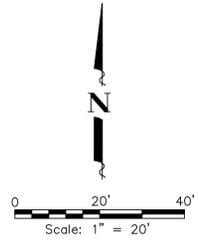
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GRADING PLAN - NORTHEAST
SRE BUILDING RAMP IMPROVEMENTS
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Rock Island County, Illinois



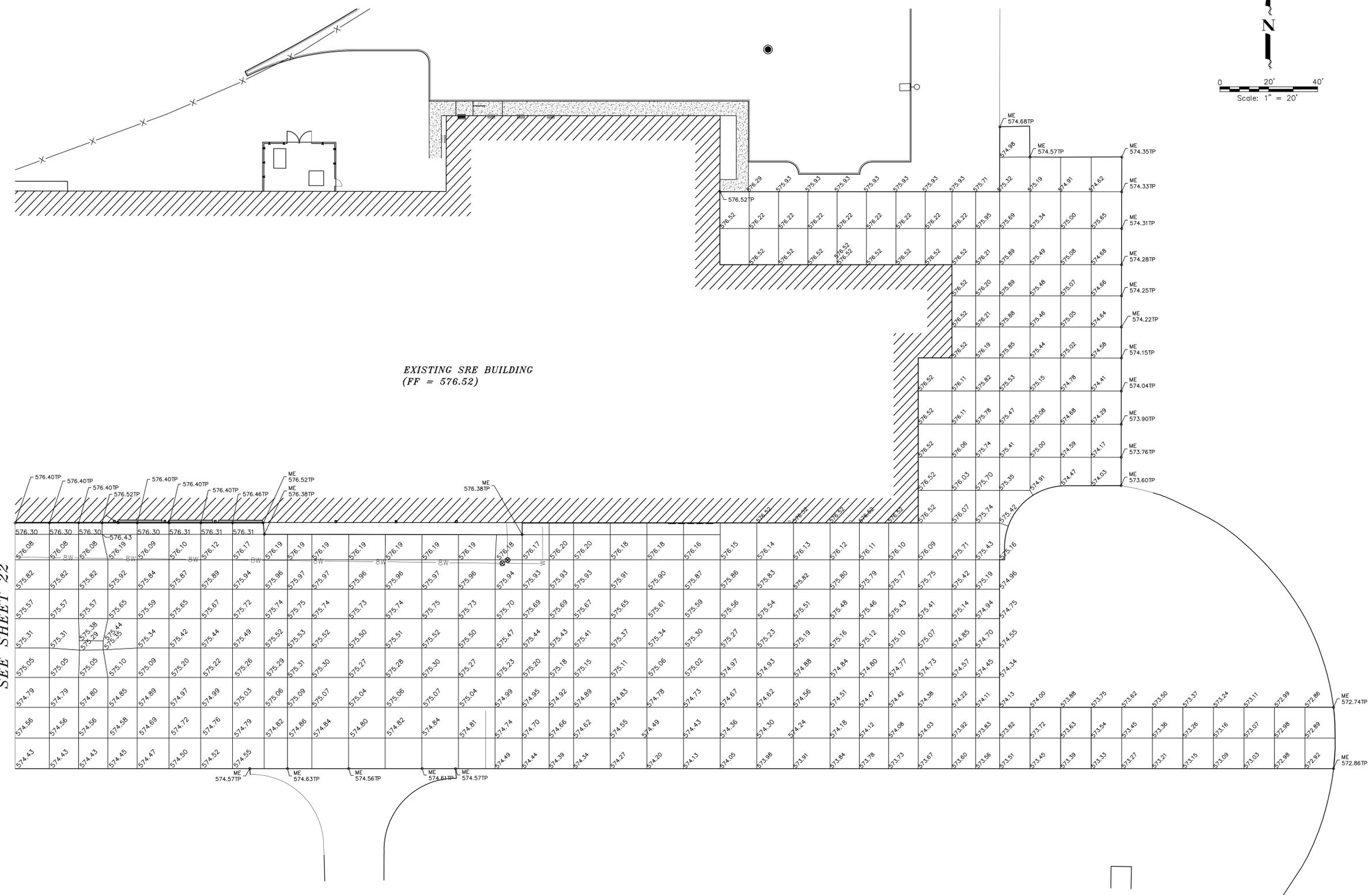
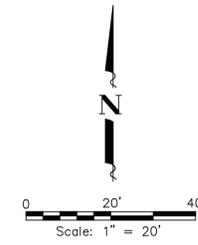
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PAVEMENT JOINT ELEVATION PLAN - WEST
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EXISTING SRE BUILDING
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SEE SHEET 22

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

QUAD CITY INTERNATIONAL AIRPORT
Rock Island County, Illinois



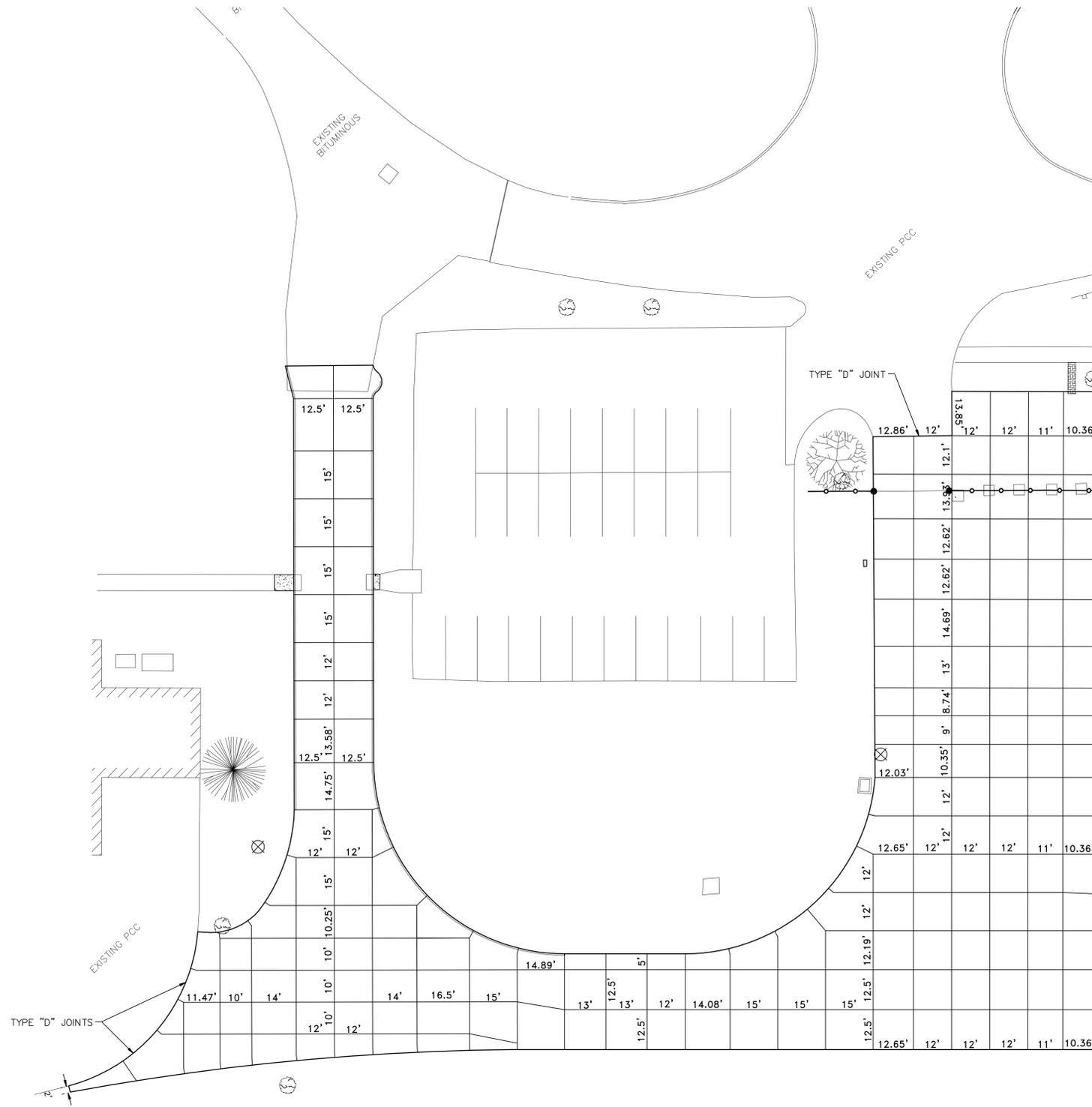
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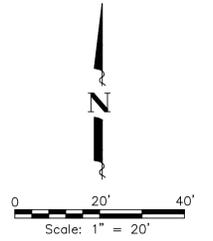
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PAVEMENT JOINT ELEVATION PLAN - EAST
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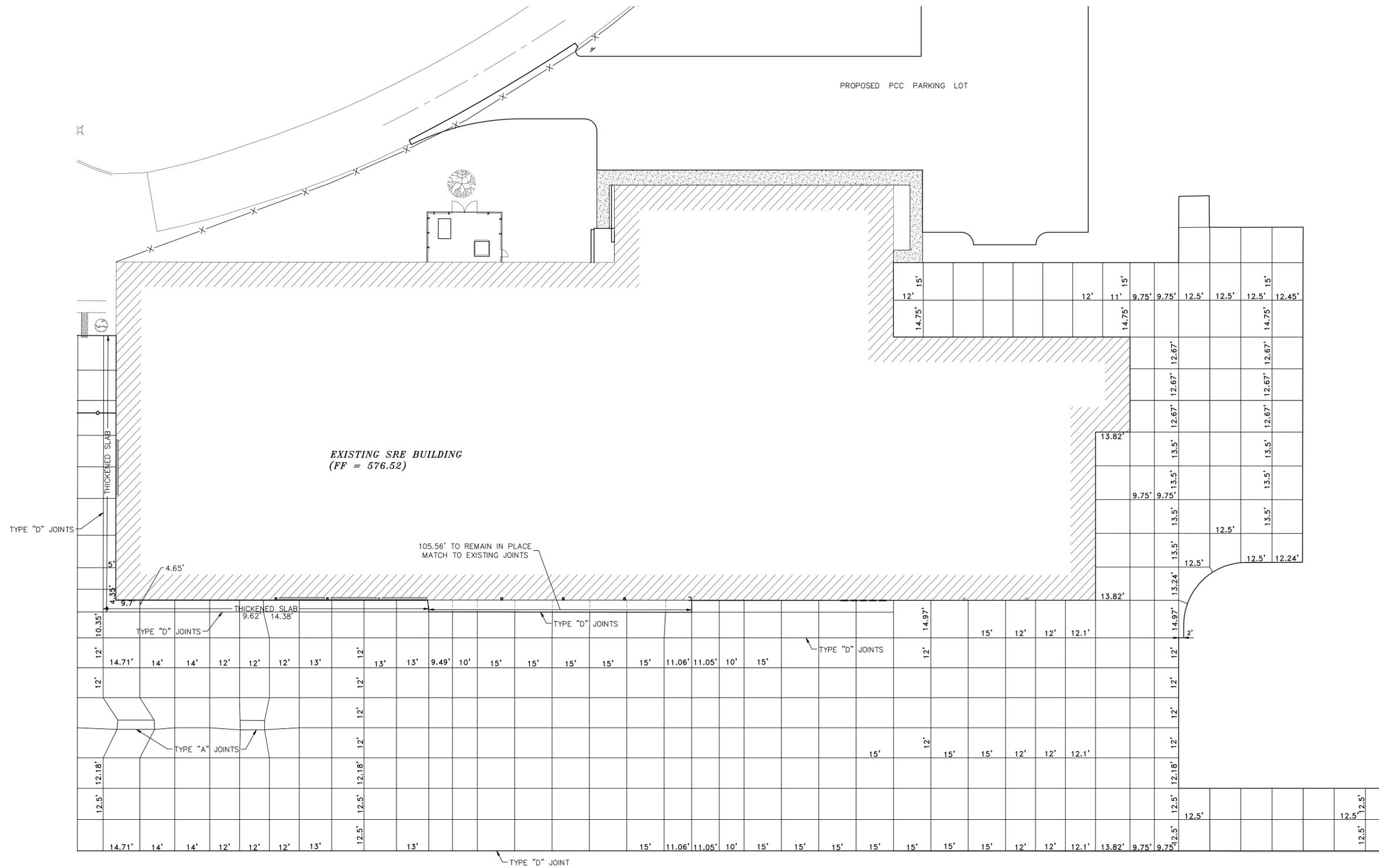
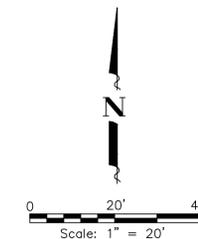
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PAVEMENT JOINT PLAN - WEST
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NOTES:

- 1.) ALL EDGES OF NEW SLABS, FREE STANDING OR CLOSURE, SHALL BE EDGED WITH AN APPROVED TOOL HAVING A RADIUS OF 1/8" TO 1/4" TO FACILITATE SAWING OF THE SEALANT RESERVOIR. RADIUS > 1/4" WILL NOT BE ACCEPTABLE.
- 2.) THE INITIAL SAWCUT FOR ALL LONGITUDINAL AND TRANSVERSE CONTRACTION JOINTS SHALL BE SAWS AS SOON AS POSSIBLE AFTER PLACEMENT OF THE PAVEMENT.
- 3.) ALL DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY MEANS OF A DOWEL BAR ASSEMBLY WHICH WILL INSURE THAT THEY WILL REMAIN PARALLEL TO THE PAVEMENT LANES. THE DOWEL BAR ASSEMBLIES SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO INSTALLATION.
- 4.) ALL TIE BARS AND MESH SHALL BE SECURELY HELD IN PLACE BY SUPPORT PINS OR OTHER APPROVED METHODS TO PREVENT SHIFTING DURING AND AFTER CONCRETE PLACEMENT.
- 5.) METAL FORMS USED FOR KEYED JOINTS MAY BE LEFT IN PLACE.
- 6.) TIE BARS SHALL BE DEFORMED BARS IN CONFORMANCE WITH AASHTO M137.
- 7.) UNDERMINING OF EXISTING ADJACENT PAVEMENT SHALL BE REMEDIED BY FILLING VOID WITH CONCRETE PRIOR TO MAIN LINE PAVING, AND FINISH TO PRODUCE A SMOOTH VERTICAL SURFACE. REMAINING VOIDS SHALL BE PRESSURE GROUTED. UNDERMINING REPAIRS SHALL BE CONSIDERED INCIDENTAL.

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX

QUAD CITY INTERNATIONAL AIRPORT
Rock Island County, Illinois



REVISIONS		
NO.	ITEM	DATE

PLOTTING SCALE:	1" = 20'
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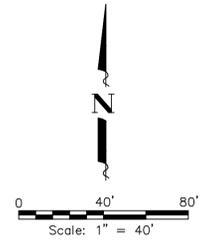
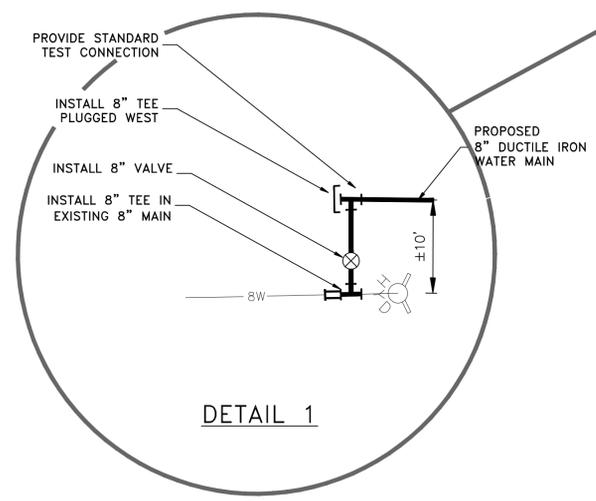
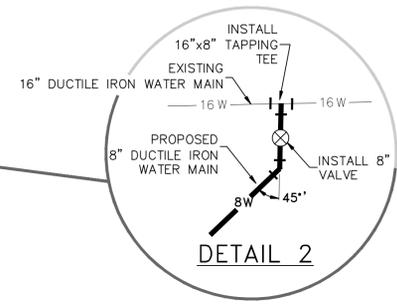
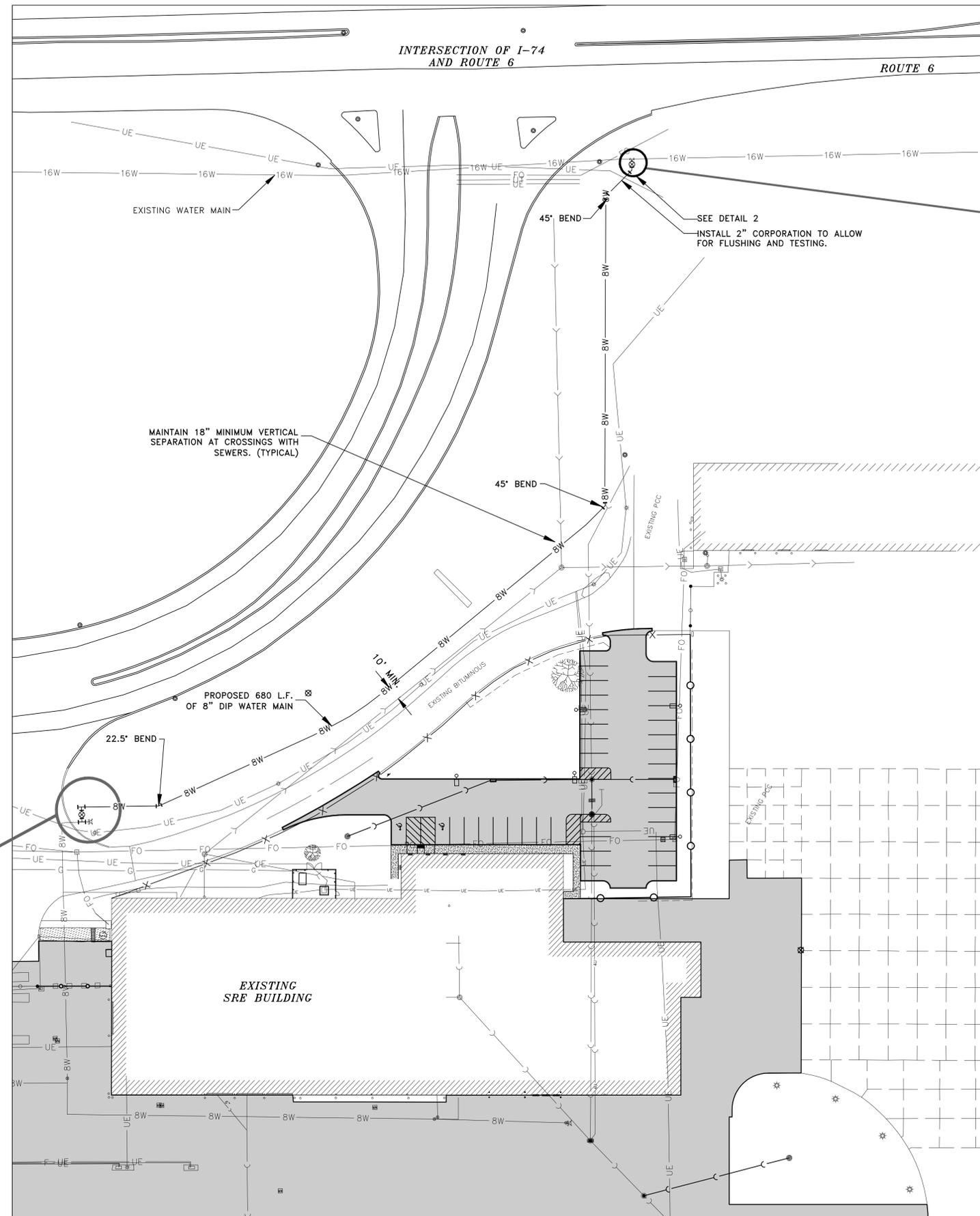
PAVEMENT JOINT PLAN - EAST

SRE BUILDING RAMP IMPROVEMENTS

FILE NAME: T:\MO108.128\DWG\2012 PLANS\08128-MDL.DWG

JOB NUMBER: 01-29-08-128

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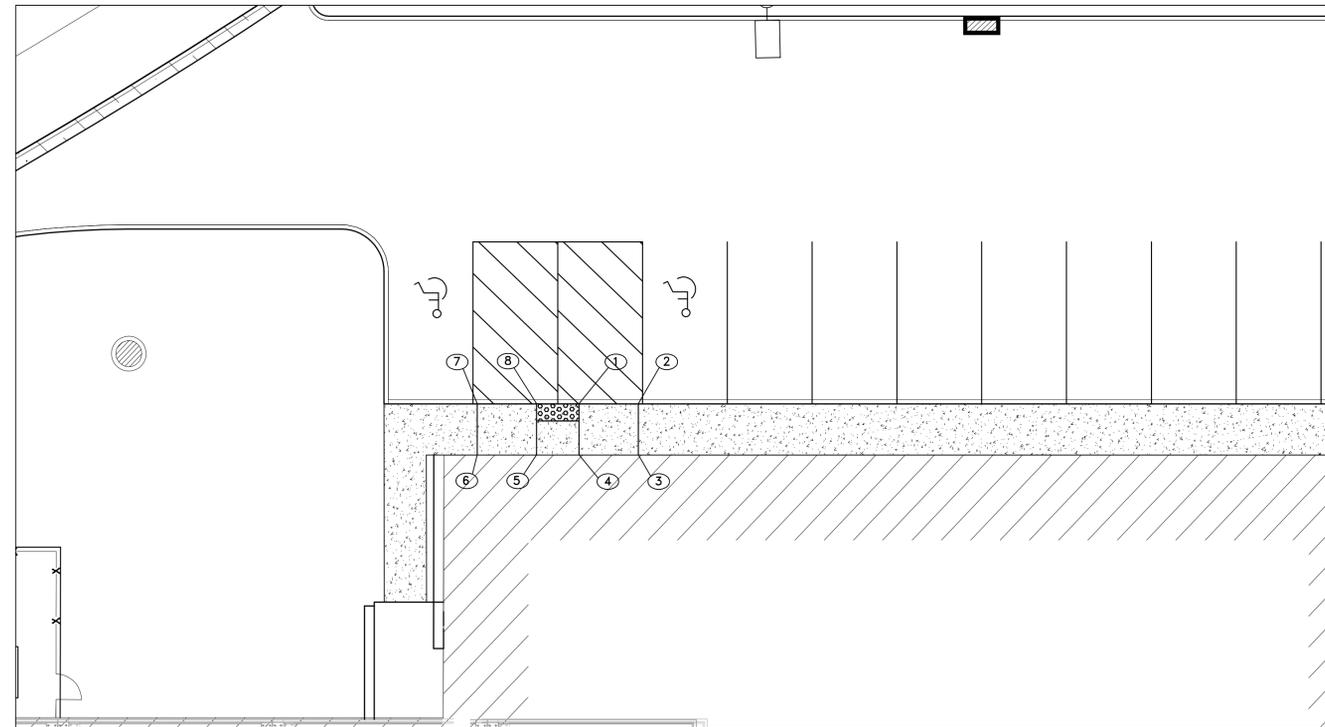
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WATER MAIN LOOPING PLAN
 SRE BUILDING RAMP IMPROVEMENTS
 FILE NAME: \\M0108.128\DWG\2012 PLANS\08128-MDL.DWG JOB NUMBER: 01-29-08-128

SHEET NO.
26
 OF 28



SIDEWALK COMPLIANCE

tractor
14-2013

Offset	Elevation	Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Legally Acceptable Range	Difference between Designed Slope and Maximum Legally Acceptable Range	Acceptable Constructed Range
	575.93	1	2	Ramp Running Slope	7.00	0.50	7.1%	0.5% to 8.3%	1.2%	0.5% to 8.3%
	576.43	2	3	Sidewalk Cross Slope	6.00	0.09	1.5%	0.5% to 2.0%	0.5%	0.5% to 2.0%
	576.52	3	4	Ramp Running Slope	7.00	-0.50	-7.1%	0.5% to 8.3%	1.2%	0.5% to 8.3%
	576.02	4	5	Landing/Turning Space	5.00	0.00	0.0%	0.1% to 2.0%	2.0%	0.1% to 2.0%
	576.02	5	6	Ramp Running Slope	7.00	0.50	7.1%	0.5% to 8.3%	1.2%	0.5% to 8.3%
	576.52	6	7	Sidewalk Cross Slope	6.00	-0.09	-1.5%	0.5% to 2.0%	0.5%	0.5% to 2.0%
	576.43	7	8	Ramp Running Slope	7.00	-0.50	-7.1%	0.5% to 8.3%	1.2%	0.5% to 8.3%
	575.93	8	1	Landing/Turning Space	5.00	0.00	0.0%	0.1% to 2.0%	2.0%	0.1% to 2.0%
		4	1	Landing/Turning Space	6.00	-0.09	-1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%
		5	8	Landing/Turning Space	6.00	-0.09	-1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%



REVISIONS		
NO.	ITEM	DATE

PLOTTING SCALE: 1" = 10'
DRAWN BY: BMG, JLB
CHECKED BY: SAS
DATE: MAY 10, 2013

McClure
Engineering Associates, Inc.
4700 Kennedy Drive East Moline, Illinois 61244
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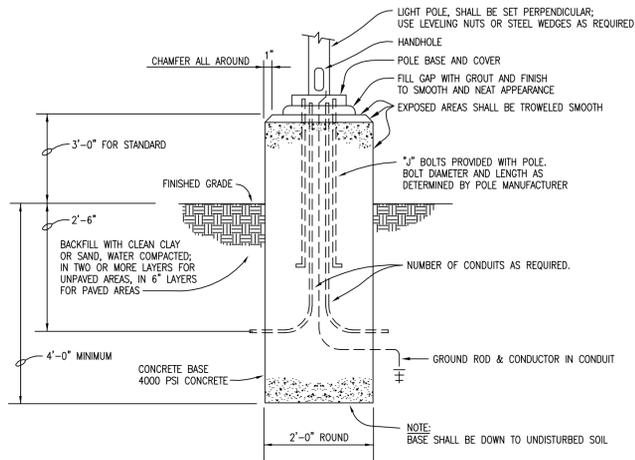
ADA RAMP	
SRE BUILDING RAMP IMPROVEMENTS	
FILE NAME: \M0108.128\DWG\2012 PLANS\08128-MDL.DWG	JOB NUMBER: 01-29-08-128

LIGHTING FIXTURE SCHEDULE

UNIT	LAMPS WATTS/TYPE	MOUNTING	DESCRIPTION	MANUFACTURER & CATALOG NO.
F11	APPROX. 54 LEDS (3)SETS OF 18 COUNT, THREE 630MA DRIVERS, 5,000K 11,023 LUMENS 123 WATTS B50L70 RATING 103K HOURS	ON CONCRETE STANDARD (SEE DETAIL)	PARKING LOT LIGHT, DIE CAST ALUMINUM HOUSING, 2"ARM, 19"L x 17"W x 7"H LED DRIVERS WITH HEAT SINKS, ACRYLIC LENSE TYPE III ROADWAY DISTRIBUTION, WET LOCATION, DARK BRONZE, MATCHING 18 FT x 4"SQ, VIBRATION FREE STEEL POLE WITH BOLT COVER, HAND HOLE, FUSED, LIGHTING ARRESTOR, GROUNDING BOLT CABLE & ROD.120V. MADE IN USA	LITHONIA TECHLIGHT LMSB SERIES

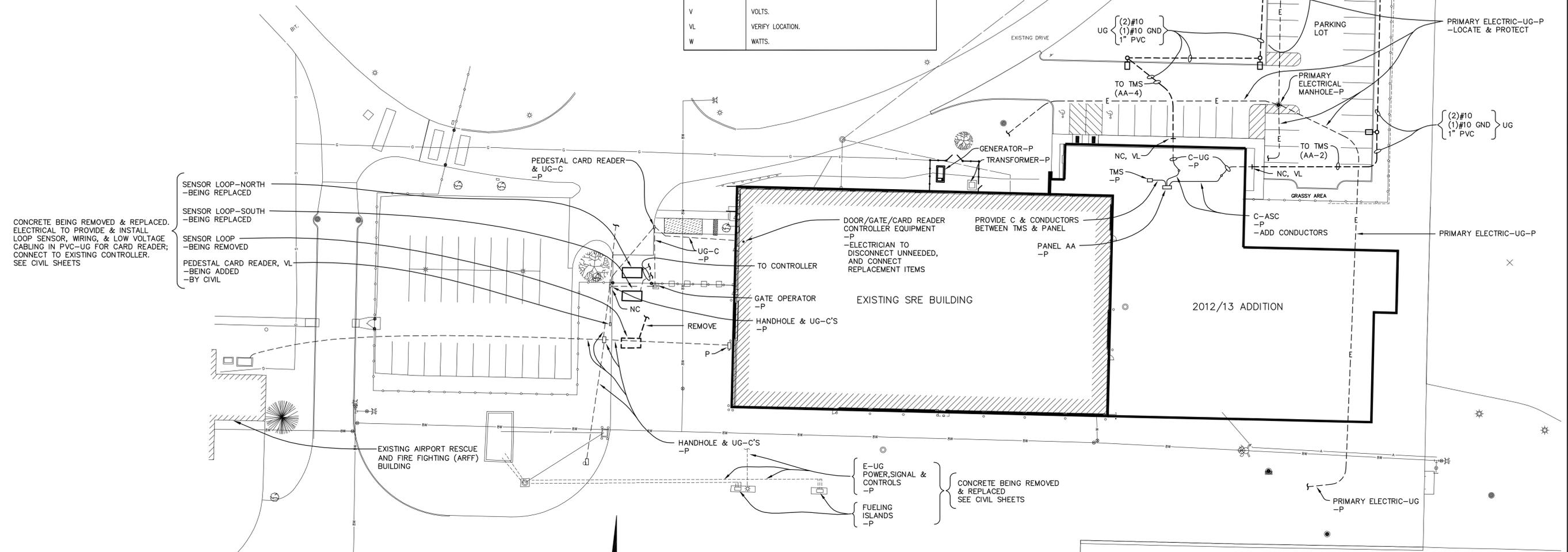
ELECTRICAL ABBREVIATIONS

ABBR.	DESCRIPTION
ASC	ABOVE SUSPENDED CEILING.
C	CONDUIT.
F	FIXTURE(S).
GND	GROUND.
K	KELVIN.
MA	MILLI-AMP.
NC	NEW CONNECTION.
P	PRESENT.
PVC	POLY-VINYL-CHLORIDE (PLASTIC) CONDUIT.
TMS	TIME SWITCH.
UG	UNDERGROUND.
UC	UNDER COUNTER.
V	VOLTS.
VL	VERIFY LOCATION.
W	WATTS.



LIGHT STANDARD BASE DETAIL

NO SCALE

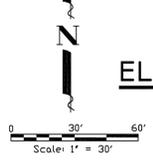


ELECTRICAL SITE PLAN

I HEREBY CERTIFY THAT THESE PLANS AND SPECIFICATIONS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.

SIGNED: *Gary B. Miner* DATE: 5-10-13
 GARY B. MINER

MY LICENSE RENEWAL DATE IS NOVEMBER 30, 2013
 REG. NO. 62-24166



MINER CONSULTING ENGINEERS P.C.
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 PHONE 309-788-3476 FAX 309-788-3484
 miner@qconline.com
 JOB # 08046

ILLINOIS PROJECT MLI-3896 AIP PROJECT NO. 3-17-0068-XX



REVISIONS		
NO.	ITEM	DATE

PLOTTING SCALE:	AS NOTED
DRAWN BY:	
CHECKED BY:	M.C.E
DATE:	5/10/13

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ELECTRICAL SITE PLAN

SRE BUILDING RAMP IMPROVEMENTS ROCK ISLAND COUNTY, ILLINOIS

FILE NAME: - JOB NUMBER: 01-29-08-128