

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
03-00026-00-PK		MADISON	38	1

FEDERAL AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
LEWIS & CLARK TOWERS
PHASE 2B
RESTROOM FACILITIES

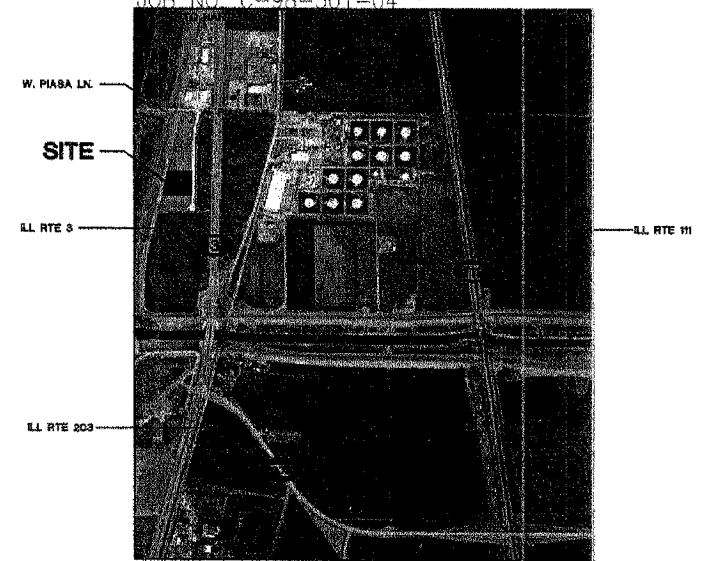
STANDARDS

- 280001-03
- 000001-04
- 001001-01
- 604001-02
- 602401-01
- 606401
- 542301-01
- 780001-01
- BLR14-9
- 424001-04
- 606001-03
- 701301-02
- 702001-06
- 701001-01
- 701501-03

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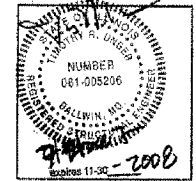
SCENIC BYWAY FUNDS:
SECTION 03-00026-00-PK
PROJECT NO. SBIL-IL03(009)
VILLAGE OF HARTFORD

JOB NO. C-98-301-04

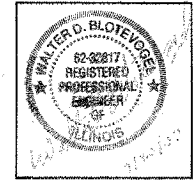


LOCATION MAP

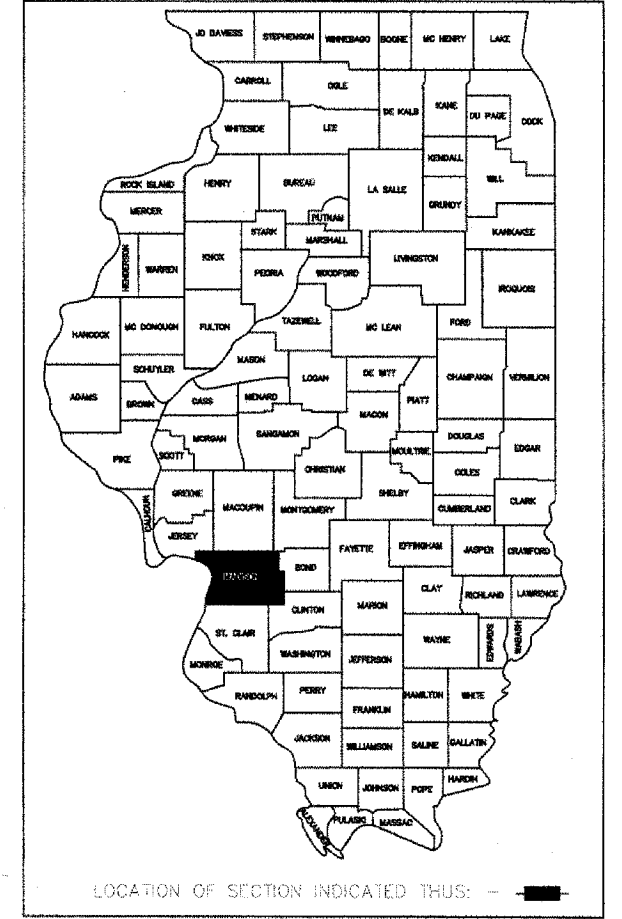
NO SCALE



STRUCTURAL ENGINEER
S.S.E. INC.
138 W. CLINTON PLACE
ST. LOUIS, MO 63122
PH. (314) 965-2233
FAX (314) 965-8269



CIVIL ENGINEER / LAND SURVEY
BLOTEVOGEL ASSOC. INC.
2 GINGER CREEK PARKWAY
GLEN CARBON, IL 62034
PH. (618) 656-4166
FAX (618) 656-7127



LOCATION OF SECTION INDICATED THIS: -

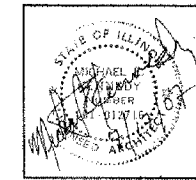
UTILITIES
AMEREN UE (ELEC.) CHARTER COMMUNICATIONS
PO BOX 66529 (CABLE)
ST. LOUIS, MO 63166 1048 STATE ST.
1-800-552-7583 EAST ST. LOUIS, IL 62201
1-800-211-4450

AMEREN IP (GAS) SBC (PHONE)
PO BOX 2543 721 MISSOURI AVE
DECATUR, IL 62525 EAST ST. LOUIS, IL 62201
1-800-755-5000 618-875-9856

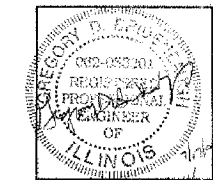
CONTRACT NO. 97300

JURISDICTION OF
WOOD RIVER DRAINAGE & LEVEE DISTRICT
543 W. MADISON AVE.
WOOD RIVER, IL 62095
(618) 254-7457 (618) 779-9176

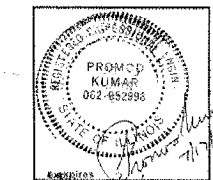
GEOTECHNICAL ENGINEER
SCI ENGINEERING INC.
15 EXECUTIVE DRIVE, SUITE 4
FAIRVIEW HEIGHTS, IL 62208
PH. (618) 624-6969 FAX (314) 231-6733 FAX (618) 624-7099



ARCHITECT
KAI
211 NORTH BROADWAY, SUITE 1900
ST. LOUIS, MO 63102
PH. (314) 241-8188
FAX (314) 241-0125



ELECTRICAL DESIGN
KAI
211 NORTH BROADWAY, SUITE 1900
ST. LOUIS, MO 63102
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MECHANICAL DESIGN & PLUMBING
KAI
211 NORTH BROADWAY, SUITE 1900
ST. LOUIS, MO 63102
PH. (314) 241-8188
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ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED DATE 9/19 2007
William E. Moore Jr.
WILLIAM MOORE JR. BOARD PRESIDENT

PASSED July 25 2007
DISTRICT #8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW July 25 2007
Max Colman
DEPUTY DIRECTOR OF HIGHWAYS, REGION #5 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	34	2

SUMMARY OF QUANTITIES

CODED PAY ITEM	DESCRIPTION	UNIT	QUANT.	CONST. TYPE CODE Y 001	VILLAGE 20%	VILLAGE 100%
XX000910	CONCRETE PAVERS	SO FT	172	137.6	34.4	
XX003803	SANITARY SEWER SERVICE 6"	FOOT	43	34.4	8.6	
XX005452	FENCE RAIL	FOOT	265	212.0	53.0	
20200100	EARTH EXCAVATION	CU YD	7701	6,160.8	1,540.2	
25000910	SEEDING, CLASS 1 (MODIFIED)	ACRE	2.1	1.7	0.4	
25001850	SEEDING, CLASS 7 (MODIFIED)	ACRE	0.2	0.2	0.0	
25100630	EROSION CONTROL BLANKET	SO YD	749	599.2	149.8	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	800	640.0	160.0	
28000300	TEMPORARY DITCH CHECKS	EACH	1	0.8	0.2	
28000400	PERIMETER EROSION BARRIER	FOOT	1410	1,128.0	282.0	
28000500	INLET AND PIPE PROTECTION	EACH	2	1.6	0.4	
28100707	STONE DUMPED RIPRAP, CLASS A4	SO YD	17	13.6	3.4	
28200200	FILTER FABRIC	SO YD	17	13.6	3.4	
* 30200650	PROCESSING MODIFIED SOIL, 12"	SO YD	2722	2,177.6	544.4	
* 30201500	LIME	TON	39	31.2	7.8	
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	1348	1,078.4	269.6	
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	575	460.0	115.0	
40603085	HOT MIX ASPHALT BINDER COURSE, IL-19.0, NTO	TON	243	194.4	48.6	
40603315	HOT MIX ASPHALT SURFACE COURSE, MIX "C", NTO	TON	243	194.4	48.6	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	199	159.2	39.8	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	5510	4,408.0	1,102.0	
42400800	DETECTABLE WARNINGS	SO FT	8	6.4	1.6	
54240229	PIPE CULVERTS, CLASS A, TYPE 1, 24"	FOOT	164	131.2	32.8	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 24"	EACH	4	3.2	0.8	
56200900	WATER SERVICE LINE 2 1/2"	FOOT	42	33.6	8.4	
60600605	CONCRETE CURB, TYPE B	FOOT	947	757.6	189.4	
70101700	TRAFFIC CONTROL & PROTECTION	L SUM	1	0.8	0.2	
70102620	TRAFFIC CONTROL & PROTECTION STANDARD 701501	L SUM	1	0.8	0.2	
72000100	SIGN PANEL - TYPE 1	SO FT	26	20.8	5.2	
73000100	WOOD SIGN SUPPORT	FOOT	156	124.8	31.2	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SO FT	14	11.2	2.8	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE, 4"	FLDT	1444	1,155.2	288.8	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE, 12"	FLDT	5	4.0	1.0	
XX007056	BUILDING	L SUM	1	0.8	0.2	
67100100	MODELIZATION	L SUM	7			

* - SPECIALTY ITEMS

GENERAL NOTES

- EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONTRACTOR'S CONVENIENCE. THE EXACT LOCATION MAY DIFFER FROM THAT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITIES TO DETERMINE THE EXACT LOCATION. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE DONE TO ANY UTILITY DURING EXECUTION OF THIS WORK. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN PREPARING HIS/HER BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCE CAUSED BY SAME.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE CONSTRUCTION SITE FREE OF DEBRIS AT ALL TIMES AND SHALL KEEP DIRT/MUD OFF ALL PUBLIC STREETS ADJACENT TO THE CONSTRUCTION SITE.
- ALL DISTURBED AREAS, FOR WHATEVER REASON, SHALL BE SEEDING ACCORDING TO THE SPECIAL PROVISIONS.
- CONSTRUCTION CREWS, EQUIPMENT, TRUCKS, TRAILERS, BACKHOES, ETC. SHALL NOT BE PERMITTED TO PARK WITHIN THE PUBLIC RIGHT-OF-WAY ALONG CONFLUENCE TOWER DRIVE DURING THE CONSTRUCTION OF THIS PROJECT.
- ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER. ALL ROADSIDE OBJECTS (UTILITY POLES, FIRE HYDRANTS, SIGNS, ETC.) SHALL BE RELOCATED TO PROVIDE A MINIMUM OF 2 FEET CLEARANCE, MEASURED FROM THE PROPOSED CONSTRUCTION TO THE NEAR EDGE OF THE OBJECT.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL CONFINE ALL OPERATIONS WITHIN THE CONSTRUCTION LIMITS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- FOR WORK PERFORMED WITHIN THE RIGHT-OF-WAY OF CONFLUENCE TOWER DRIVE, TRAFFIC CONTROL SHALL BE ACCORDING TO I.O.D.T. HIGHWAY STANDARDS 702001 AND 701301.
- WORK ON IMMEDIATELY ADJACENT PROJECTS MAY BE OCCURRING SIMULTANEOUSLY WITH THIS PROJECT. CONTRACTOR SHALL COORDINATE THIS WORK WITH SAID ADJACENT PROJECTS TO INSURE THAT NO ADDITIONAL WORK RESULTS FOR EITHER PROJECT. THIS COORDINATION SHALL BE PERFORMED AT NO ADDITIONAL COMPENSATION.
- ADJACENT PROJECTS SUBJECT TO THIS REQUIREMENT IS SECTION 06-00026-01-MS, WITH THE VILLAGE OF HARTFORD AS THE LEAD AGENCY.
- ELEVATION CONVERSION FROM CIVIL DRAWINGS TO ARCHITECTURAL, STRUCTURAL, AND OTHER DRAWINGS IS AS FOLLOWS:
EL. 435.50' = EL. 100'-0"

"NO COMMITMENTS"

211 North Broadway,
Suite 1900
St. Louis, Missouri 63102
PH: (314) 241-8888
FAX: (314) 541-0125



PHASE 1
LEWIS AND CLARK
MEMORIAL TOWER
HARTFORD, ILLINOIS 62048

SHEET TITLE:
GENERAL NOTES
SUMMARY OF QUANTITIES

REV. NO.	REMARKS	DATE

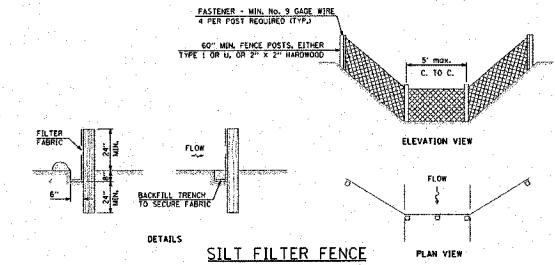
KENNEDY PROJECT NO
10-02048

ISSUE DATE

SHEET NO.

C1-01

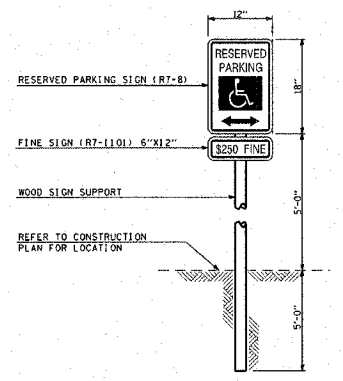
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	34	3



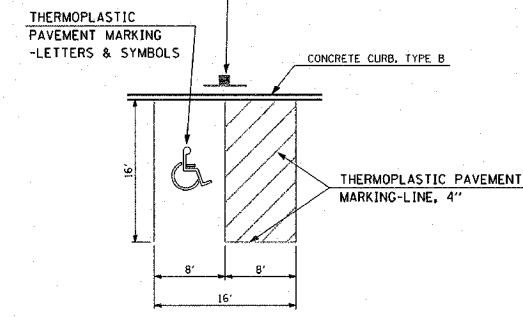
- ALL SILT FENCES SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE, WITH THE ENDS EXTENDING UPSLOPE. THE AREA BELOW THE FENCE MUST BE UNDISTURBED OR STABILIZED.
- WOOD POSTS WILL BE OF SOUND QUALITY WOOD WITH A MIN. CROSS SECTIONAL AREA OF 3.0 SQ. IN. STEEL POSTS WILL BE STANDARD T AND U SECTIONS WEIGHING NOT LESS THAN 1.0 LBS./L.F. THE MAX. SPACING WILL BE 5 FEET. WHEN WIRE BACKING IS USED, THE MAX. SPACING MAY BE INCREASED TO 10 FEET. THE POSTS SHALL BE DRIVEN A MIN. OF 24" INTO THE GROUND. SPACING MAY NEED TO BE ADJUSTED SO THAT POSTS ARE LOCATED IN LOW AREAS WHERE WATER MAY POND.
- WIRE FENCE SHALL BE A MIN. 9 GAUGE TOP AND BOTTOM WIRES WITH A MAX. 6" MESH OPENING, OR AS APPROVED BY THE ENGINEER.
- THE FILTER FABRIC SHOULD BE FURNISHED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE SILT FENCE NEEDED TO AVOID SPLICES. WHEN SPLICES ARE NECESSARY, THE FABRIC SHOULD BE SPLICED AT A SUPPORT POST WITH A MIN. 6" OVERLAP, FOLDED OVER AND SECURELY FASTENED.
- THE SILT FENCE SHALL BE ENTRENCHED TO A MIN. DEPTH OF 8", WITH AN ADDITIONAL 6" EXTENDING ALONG THE BOTTOM OF THE TRENCH IN THE UPSLOPE DIRECTION. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FABRIC.
- THE FILTER FABRIC AND WIRE SUPPORT, IF USED, MUST BE SECURELY FASTENED TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST ONE INCH LONG, TIE WIRES OR HOG RINGS. THE FABRIC SHALL NOT BE STAPLED OR WIRED TO THE WIRE SUPPORT. THE FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- INTERMEDIATE WIRE OF MESH SUPPORTS SHALL BE A MIN. OF GAGE NO. 11.
- OPERATION AND MAINTENANCE OF SILT FENCE
 - SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.
 - SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
 - SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE FENCE STILL IS NECESSARY, THE FABRIC OR THE ENTIRE SYSTEM SHALL BE REPLACED PROMPTLY.
 - SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
 - ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, A SEEDBED PREPARED AND THE SITE VEGETATED.

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE PROVIDED BY THE CONTRACTOR:

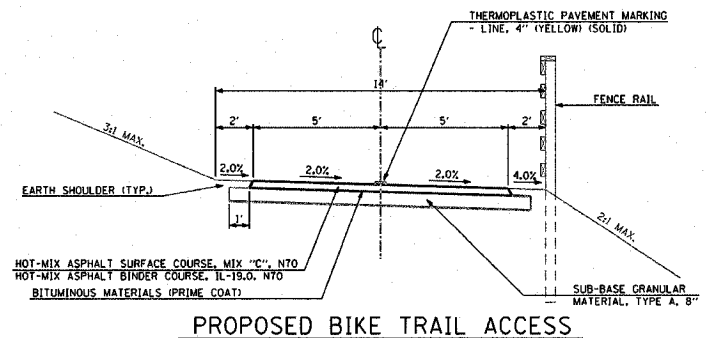
- PERIMETER EROSION BARRIER (SILT FENCE) SHALL BE ERECTED PRIOR TO EXCAVATION AND CLEARING IN THE UPSLOPE AREA.
- THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE PROPERLY MAINTAINED BY THE CONTRACTOR TO CONTROL SILTATION AT ALL TIMES DURING THE LIFE OF THE CONTRACT.
- AT ALL TIMES, EROSION CONTROL MEASURES SHALL BE EMPLOYED TO PREVENT SILT FROM LEAVING THE SITE. ALL EROSION CONTROL WORK IS TO BE DONE ACCORDING TO THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS AND THE STORM WATER POLLUTION PREVENTION PLAN.
- PRIOR TO THE START OF ANY EARTH MOVING OPERATIONS, THE CONTRACTOR SHALL INSURE THAT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND A NOTICE OF INTENT (NOI) HAVE BEEN PREPARED, SIGNED AND FILED BY THE OWNER ACCORDING TO THE REQUIREMENTS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT IL R 10 WHICH AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THIS CONSTRUCTION SITE.
- ADDITIONAL EROSION PROTECTION DEVICES SHALL BE INSTALLED SHOULD OTHER AREAS OF EROSION IN THE DEVELOPMENT OCCUR, AS DIRECTED BY THE CONSTRUCTION MANAGER.
- SEEDING SHALL BE APPLIED WITHIN 7 DAYS OF FINAL GRADING IN ALL DISTURBED AREAS.
- ALL EROSION CONTROL ITEMS SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR AT THE COMPLETION OF THE CONTRACT, OR AS DIRECTED BY THE RESIDENT ENGINEER.



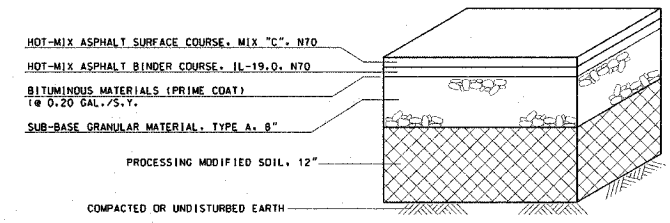
RESERVED PARKING SIGN DETAIL
NOT TO SCALE



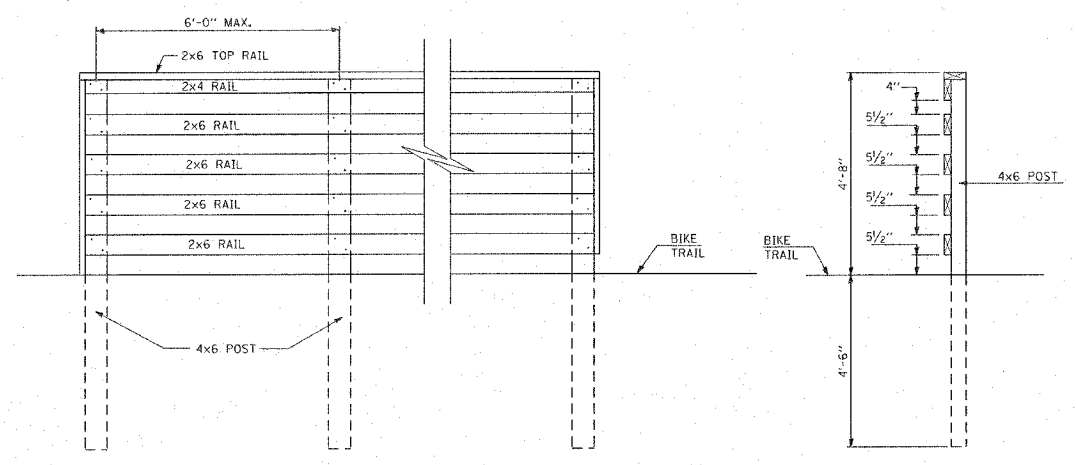
THERMOPLASTIC PAVEMENT MARKING-LETTERS & SYMBOLS
CONCRETE CURB, TYPE B
THERMOPLASTIC PAVEMENT MARKING-LINE, 4"



PROPOSED BIKE TRAIL ACCESS



TYPICAL PARKING LOT SECTION
NOT TO SCALE



INSIDE RAIL ELEVATION SECTION A-A
FENCE RAIL DETAILS
STA. 1+11.40 TO STA. 3+67.13

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	BINDER
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	10	15
DESIGN AIR VOIDS	4.0% @ NDES=70	4.0% @ NDES=70
MIX COMPOSITION (GRADATION MIXTURE)		IL 19.0
FRICTION AGG	MIXTURE C	MIXTURE B

- STREET AND PAVEMENT CONSTRUCTION NOTES:
- ALL STREET WORK IS TO BE DONE ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007 AND LATEST REVISIONS.
 - ALL CONCRETE PAVEMENT AND DRIVEWAYS SHALL BE POURED SO THAT NO FINISHED PANEL EXCEEDS 15' ALONG ANY EDGE, UNLESS SHOWN OTHERWISE.
 - ALL CONSTRUCTION JOINTS SHALL BE TIED USING #6 BARS, 30" LONG AT 24" O.C..
 - SAWED TRANSVERSE JOINTS (1/8" X 2") SHALL BE CREATED AT 15' INTERVALS. BARS ARE NOT REQUIRED. JOINTS TO BE SEALED WITH HOT Poured JOINT SEALER IN ALL CONCRETE CONSTRUCTION.
 - EMBANKMENT SHALL BE PLACED AS REQUIRED IN SECTION 205 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007 AND LATEST REVISIONS. CONTRACTOR SHALL SUBMIT TO THE RESIDENT ENGINEER DOCUMENTATION OF COMPACTION TESTS FOR WRITTEN APPROVAL OF SAID COMPACTION PRIOR TO CONSTRUCTION OF ANY PAVEMENT/SIDEWALK.
 - CUT SECTIONS SHALL BE PROOF ROLLED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO CONSTRUCTION OF ANY PAVEMENT/SIDEWALK.

211 North Broadway
St. Louis, Missouri 63102
Ph: (314) 241-8188
Fax: (314) 541-0125
KENNEDY ASSOCIATES INCORPORATED



PHASE 1
LEWIS AND CLARK
MEMORIAL TOWER
HARTFORD, ILLINOIS 62448

SHEET TITLE:
DETAILS

DATE	
REMARKS	
REV. NO.	

KENNEDY PROJECT NO.
10-02048

ISSUE DATE

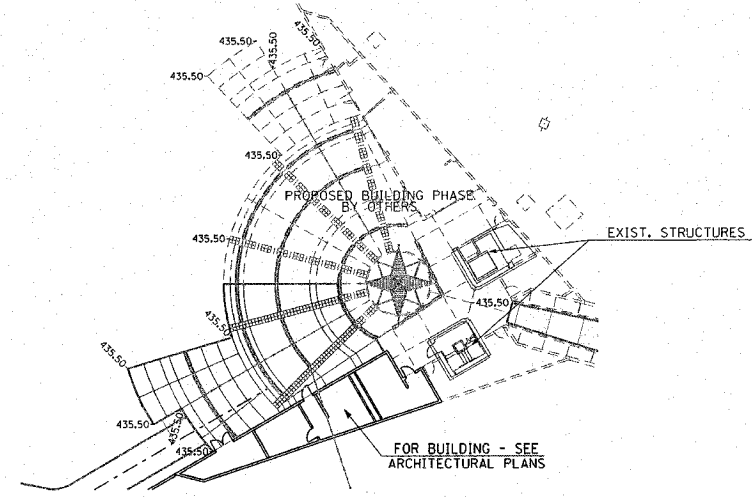
SHEET NO.

C1-02

UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS THE EXISTENCE OF WHICH IS AT PRESENT NOT KNOWN. VERIFICATION OF THE LOCATIONS OF UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, WILL BE THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	34	5

T.B.M. #1 - IRON PIN 365.1' NORTH OF CENTER OF CUL-DE-SAC AND 21.2' WEST OF CENTER LINE. ELEV. 437.18



PLAZA DETAIL
1" = 20'

CALL JULIE TOLL FREE
1-800-892-0123

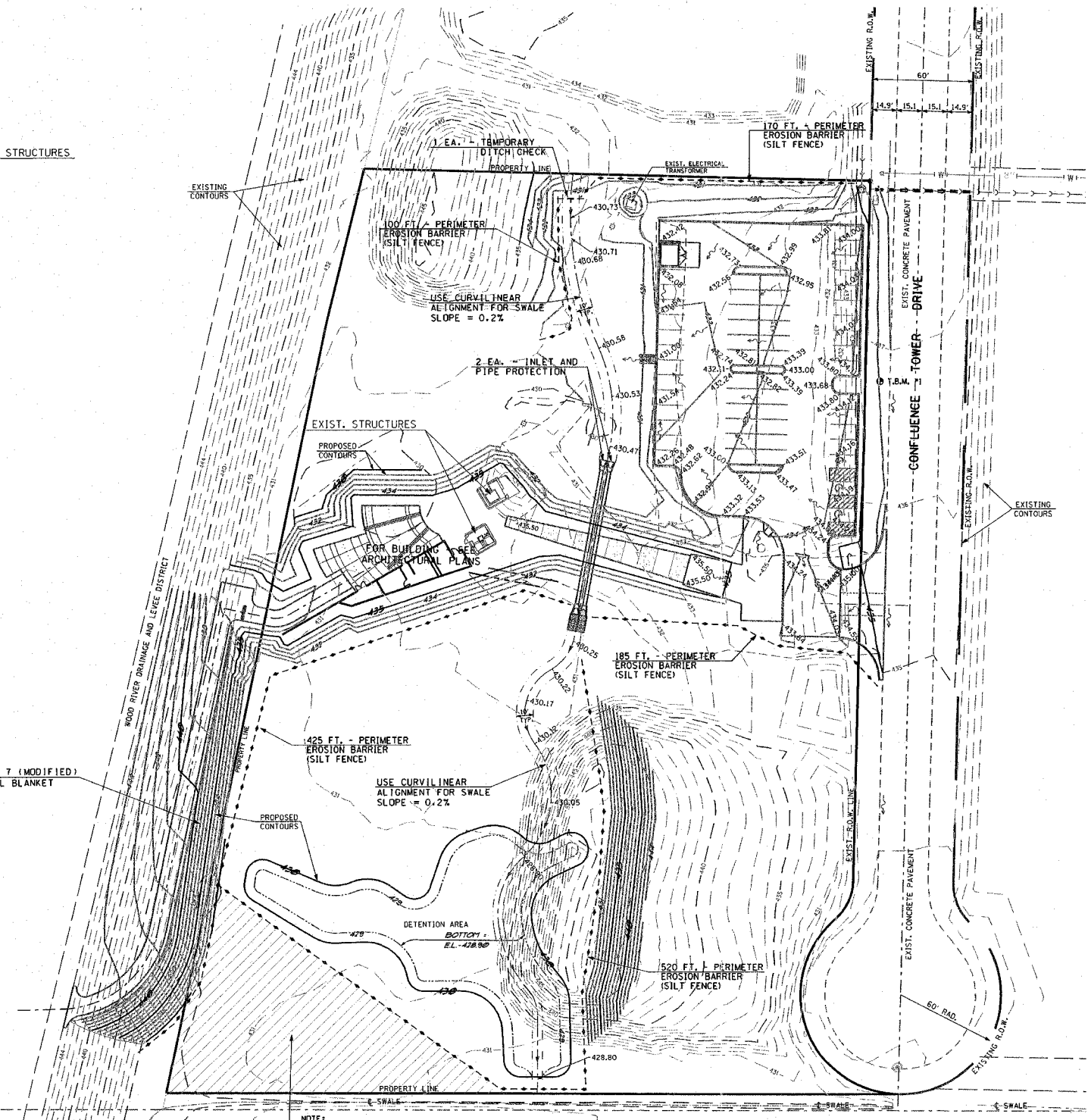
Joint Utility Locating Information for Excavators

Call 48 hours before you dig!!
(Excluding Sat., Sun. & Holidays)

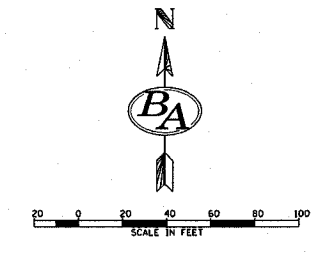
LEGEND

	EXISTING DECIDUOUS TREE
	EXISTING BUSH
	EXISTING EVERGREEN TREE
	EXISTING VEGETATION LINE
	EXISTING FIRE HYDRANT
	EXISTING GAS METER
	EXISTING GAS VALVE
	EXISTING GUY WIRE
	EXISTING POWER POLE
	EXISTING LIGHTER POWER POLE
	EXISTING LIGHT STANDARD
	EXISTING MAILBOX
	EXISTING MANHOLE
	EXISTING GRATE MANHOLE
	EXISTING CABLE PEDESTAL
	EXISTING ELECTRIC PEDESTAL
	EXISTING TELEPHONE PEDESTAL
	EXISTING R.O.W. MARKER
	EXISTING SIGN
	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING POST
	EXISTING DITCH FLOWLINE
	EXISTING UNDERGROUND CABLE TV
	EXISTING UNDERGROUND ELECTRIC
	EXISTING UNDERGROUND FORCE MAIN
	EXISTING UNDERGROUND GAS
	EXISTING UNDERGROUND WATER LINE
	EXISTING UNDERGROUND TELEPHONE
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING FENCE LINE
	EXISTING GUARDRAIL
	PROPOSED MANHOLE
	PROPOSED TYPE A INLET
	PROPOSED AREA INLET
	PROPOSED FIRE HYDRANT
	PROPOSED SIGN
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED WATER LINE
	PROPOSED DITCH FLOWLINE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PERIMETER EROSION BARRIER (SILT FENCE)
	DITCH CHECK

0.2 AC. - SEEDING, CLASS T (MODIFIED)
749.0 S.Y. - EROSION CONTROL BLANKET



NOTE:
AREA OF CULTURAL RESOURCE INTEREST.
NO UNAUTHORIZED ENTRY SHALL BE ALLOWED
(AS DETERMINED BY THE OWNER).



EARTHWORK SCHEDULE

EARTH EXCAVATION	7.701 C.Y.
EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	5.776 C.Y.
EMBANKMENT	5.582 C.Y.
EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	+ 194 C.Y.

THIS REPRESENTS THE APPROXIMATE VOLUME FOR THIS PROJECT.

- SITE GRADING NOTES:**
- ALL SITE WORK IS TO BE DONE ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007 AND LATEST REVISIONS, EXCEPT AS PROVIDED ON THESE PLANS OR IN THE CONTRACT DOCUMENTS.
 - EACH CONTRACTOR IS RESPONSIBLE FOR KEEPING THE CONSTRUCTION SITE FREE OF DEBRIS AND KEEPING DIRT OFF OF ADJACENT STREETS. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES INTO STORM DRAINS MUST BE REMOVED.
 - PRIOR TO ANY CONSTRUCTION, A STABILIZED CONSTRUCTION ACCESS SHALL BE CONSTRUCTED BY THE CONTRACTOR ACCORDING TO THE SPECIAL PROVISIONS AND THE DETAIL SHOWN HEREON.
 - THE MAXIMUM SLOPE SHALL BE 2:1 FOR EARTH SLOPES, UNLESS SHOWN OTHERWISE.
 - COMPACTION OF THE SOIL UNDER ALL FUTURE CONSTRUCTION SHALL BE 95% STANDARD PROCTOR DENSITY.
 - EACH FILL OR BACKFILL SOIL LAYER SHALL BE MOISTENED OR AERATED TO WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT BEFORE COMPACTION.
 - SPOT ELEVATIONS ARE "TOP OF FINISHED PAVEMENT". SEE SHEET C1-02 FOR PAVEMENT DETAILS.
 - ACCESSIBLE PARKING SPACES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS.

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PH: (314) 241-0189
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LENN E.D.Y.
KLEINFELDER



PHASE 1
**LEWIS AND CLARK
MEMORIAL TOWER**
HARTFORD, ILLINOIS 62048

SHEET TITLE:
**GRADING PLAN
EROSION CONTROL PLAN**

DATE	
REMARKS	
REV. NO.	

KENNEDY PROJECT NO.
10-02048

ISSUE DATE

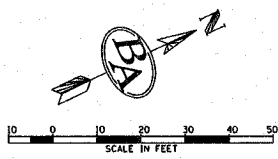
SHEET NO.

C1-04

UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS THE EXISTENCE OF WHICH IS AT PRESENT NOT KNOWN. VERIFICATION OF THE LOCATIONS OF UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, WILL BE THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR.

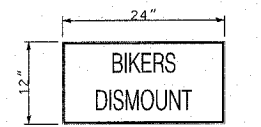
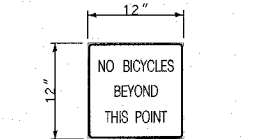
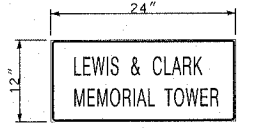
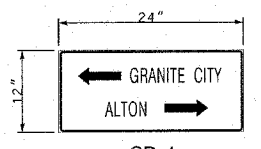
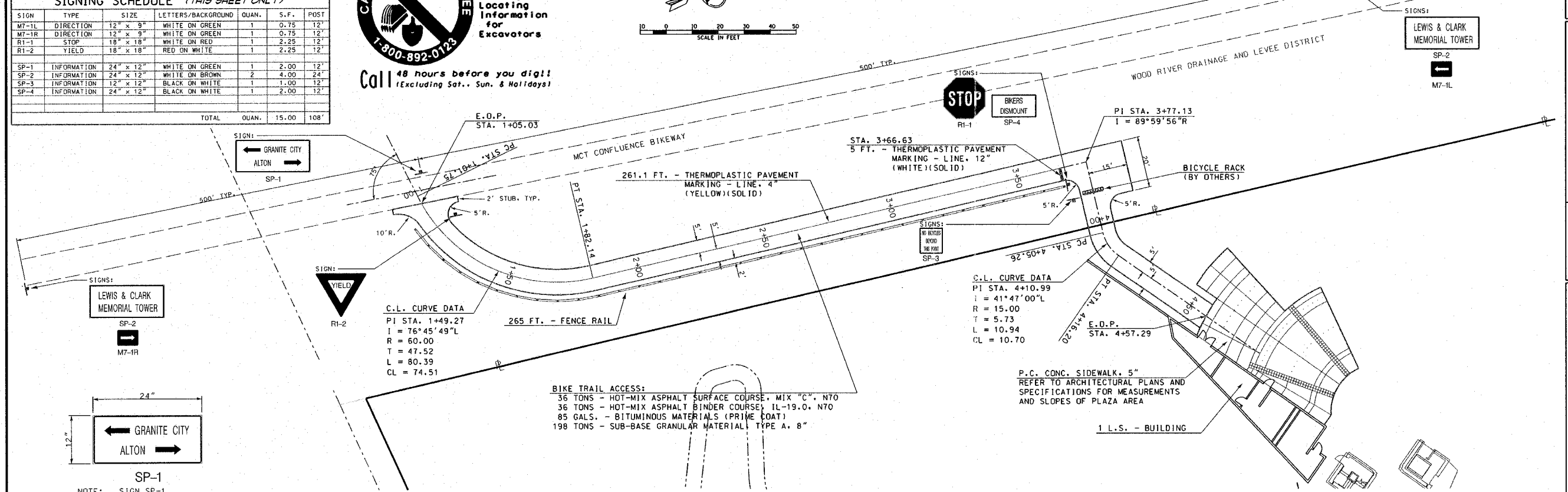
SIGNING SCHEDULE (THIS SHEET ONLY)						
SIGN	TYPE	SIZE	LETTERS/BACKGROUND	QUAN.	S.F.	POST
M7-1L	DIRECTION	12" x 9"	WHITE ON GREEN	1	0.75	12"
M7-1R	DIRECTION	12" x 9"	WHITE ON GREEN	1	0.75	12"
R1-1	STOP	18" x 18"	WHITE ON RED	1	2.25	12"
R1-2	YIELD	18" x 18"	RED ON WHITE	1	2.25	12"
SP-1	INFORMATION	24" x 12"	WHITE ON GREEN	1	2.00	12"
SP-2	INFORMATION	24" x 12"	WHITE ON BROWN	2	4.00	24"
SP-3	INFORMATION	12" x 12"	BLACK ON WHITE	1	1.00	12"
SP-4	INFORMATION	24" x 12"	BLACK ON WHITE	1	2.00	12"
TOTAL				QUAN.	15.00	108"

Call 48 hours before you dig!!
(Excluding Sat., Sun. & Holidays!)

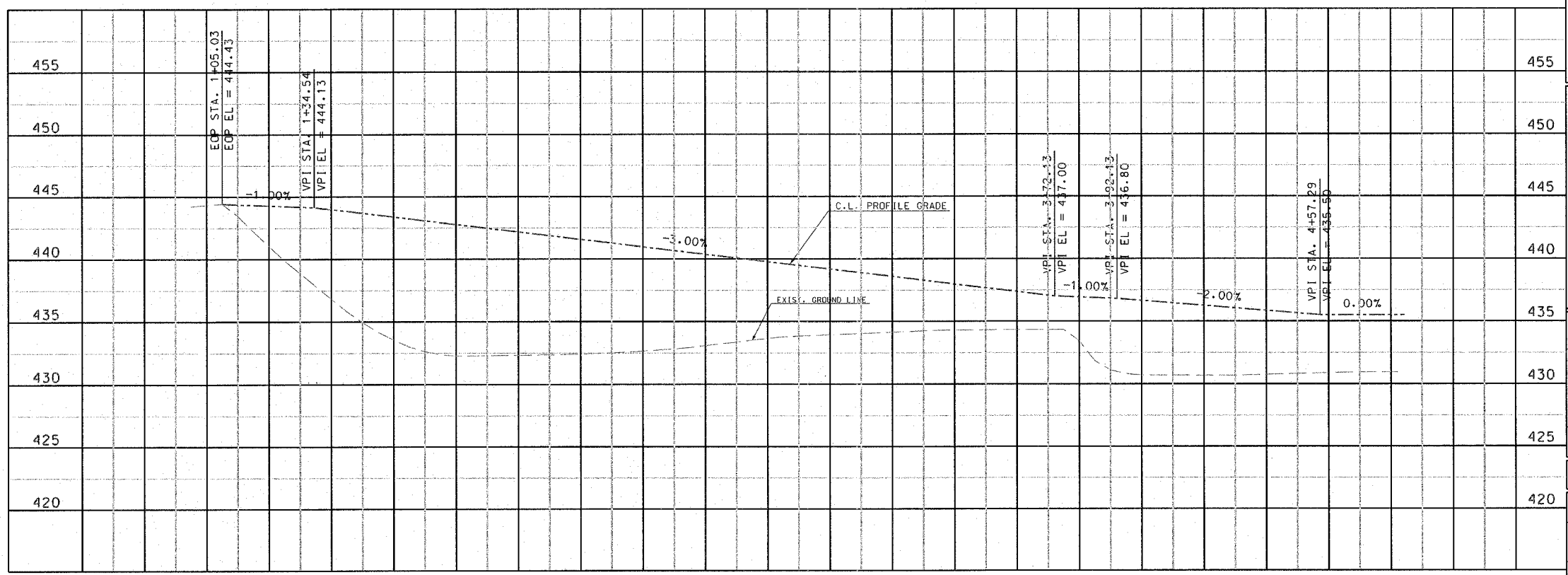


T.B.M. #1 - IRON PIN 365.1' NORTH OF CENTER OF CUL-DE-SAC AND 21.2' WEST OF CENTER LINE. ELEV. 437.18

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	34	6



TRAFFIC CONTROL SIGNS, DETAILS
NOT TO SCALE



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PHASE 1
LEWIS AND CLARK
MEMORIAL TOWER
HARTFORD, ILLINOIS 62048

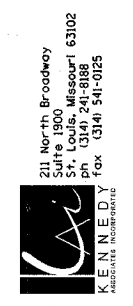
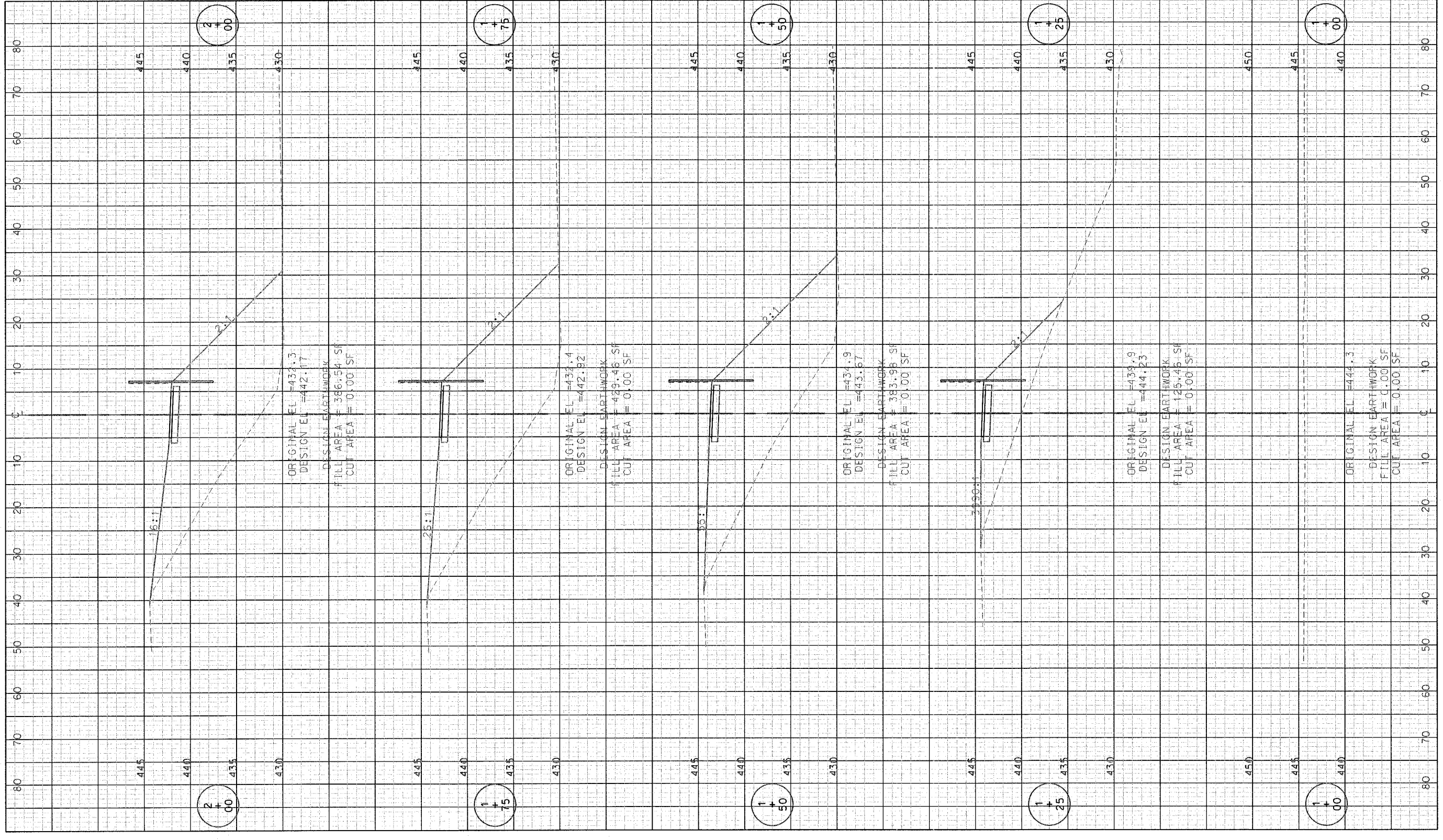
SHEET TITLE:
BIKE TRAIL ACCESS
PLAN AND PROFILE

DATE	
REMARKS	
REV. NO.	

KENNEDY PROJECT NO
10-02048

ISSUE DATE

SHEET NO.
C1-05



PHASE 1
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
140 WEST HAWTHORNE
HARTFORD, ILLINOIS 62048

SHEET TITLE:
BIKE TRAIL ACCESS
CROSS SECTIONS

REV. NO.	REMARKS	DATE

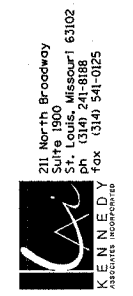
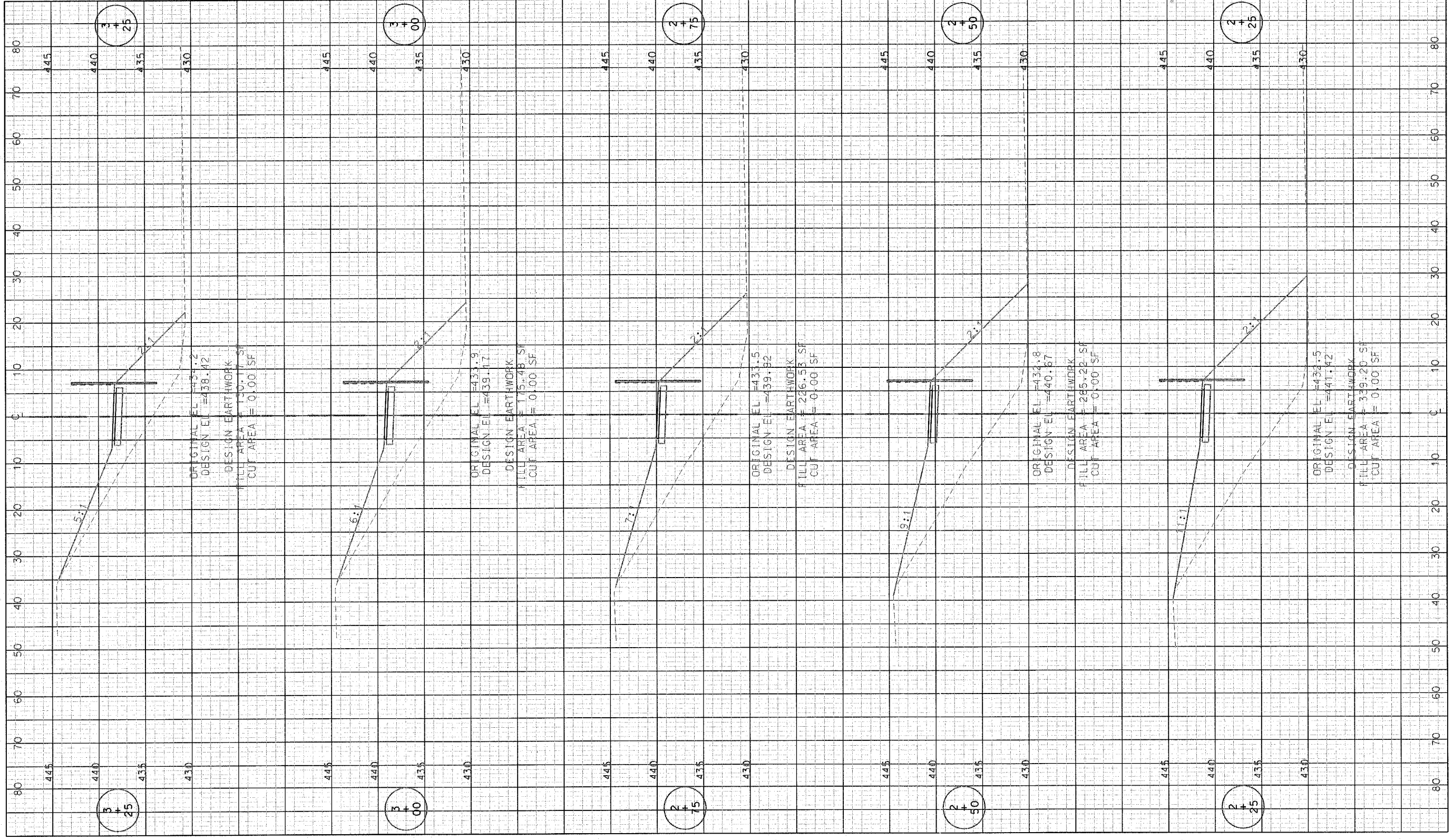
KENNEDY PROJECT NO
10-02048

ISSUE DATE

SHEET NO.

C1-06

Plot: 10/24/2008 10:00 AM 10/24/2008 10:00 AM



PHASE 1
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
 140 WEST HAWTHORNE
 HARTFORD, ILLINOIS 62048

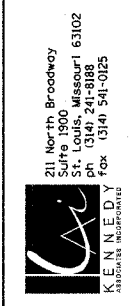
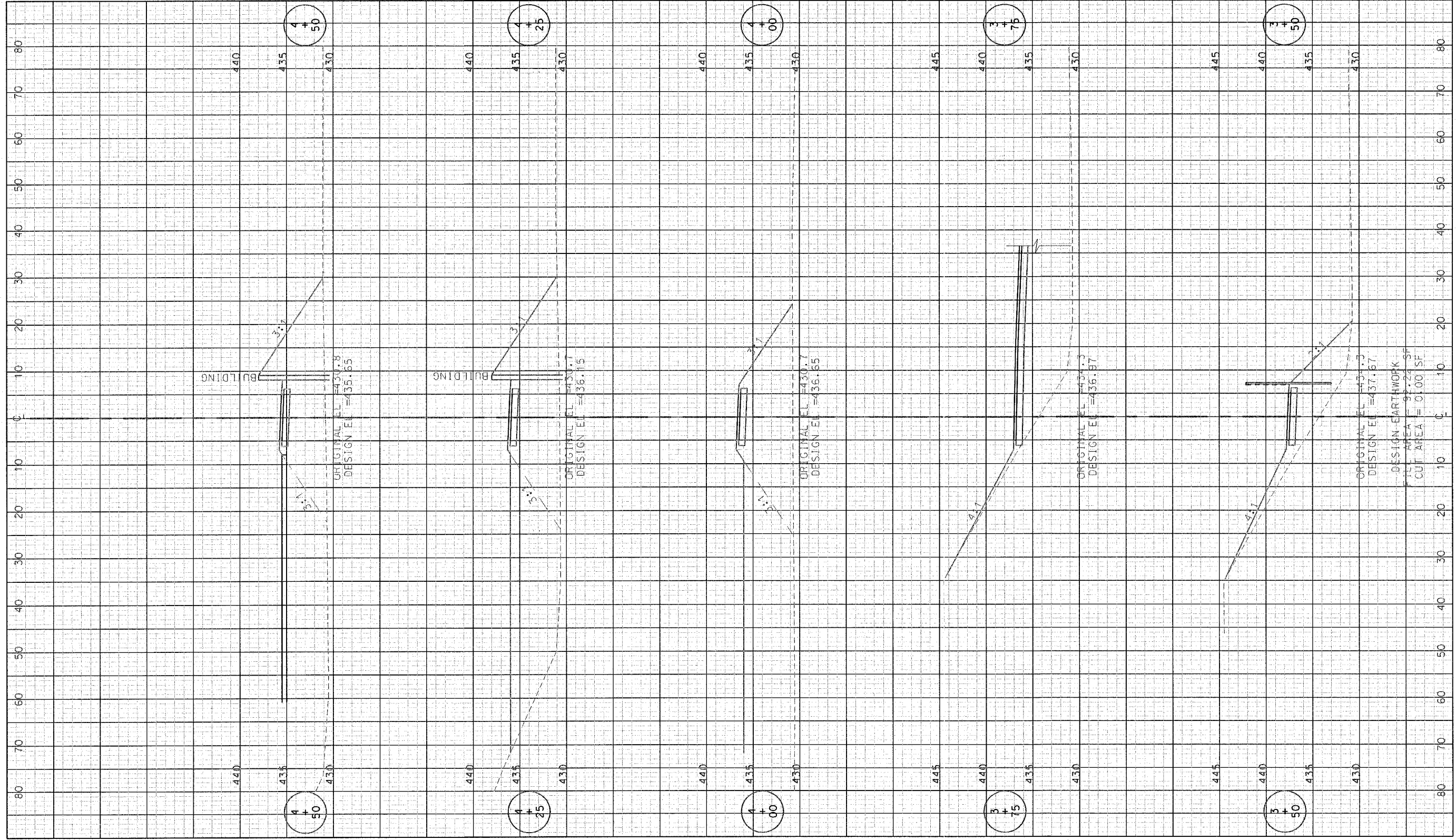
SHEET TITLE:
BIKE TRAIL ACCESS
CROSS SECTIONS

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
 10-02048

ISSUE DATE

SHEET NO.
C1-07



**PHASE 1
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
140 WEST HAWTHORNE
HARTFORD, ILLINOIS 62048**

**BIKE TRAIL ACCESS
CROSS SECTIONS**

REV. NO.	REMARKS	DATE

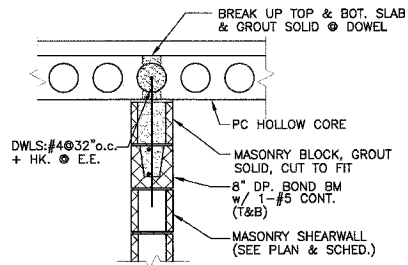
KENNEDY PROJECT NO
10-02048

ISSUE DATE

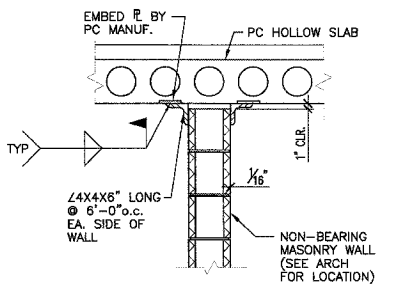
SHEET NO.

C1-08

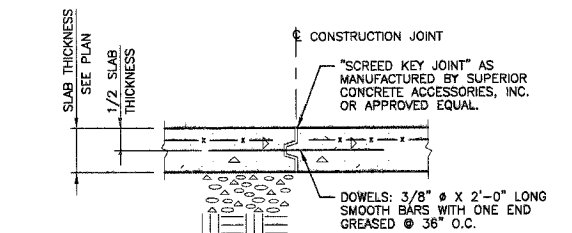
Plotter: PLOTTER (LAWSON) 03/10/2008 09:17:00 AM 1000000000.dwg 1000000000.dwg



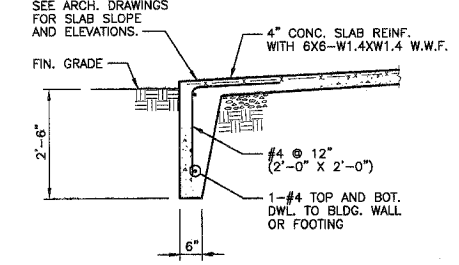
TYPICAL SLAB TO MASONRY SHEAR WALL CONNECTION
1.1C 1/2"=1'-0"



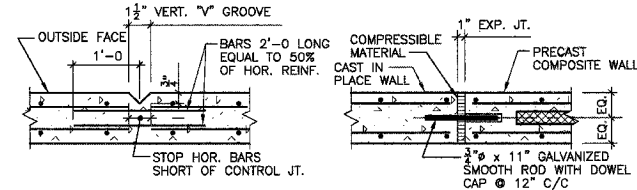
TYPICAL NON-BEARING CMU WALL BRACING
1.1D 1/2"=1'-0"



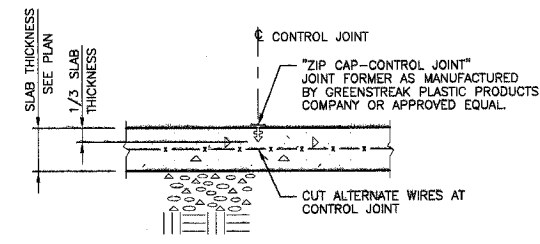
TYP. SLAB ON GRADE CONSTRUCTION JOINT
NOTE: CONSTRUCTION JOINTS TO BE LOCATED AT CONTROL JOINTS.



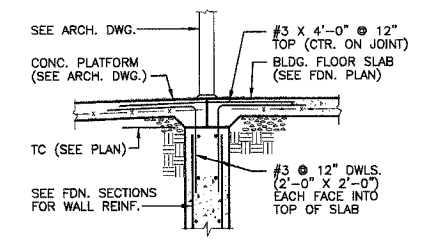
TYPICAL FROSTWALL



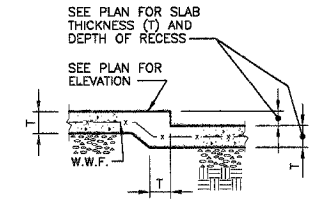
TYPICAL RETAINING WALL CONTROL JOINT
AT 20'-0" C/C MAXIMUM (OR AS NOTED)



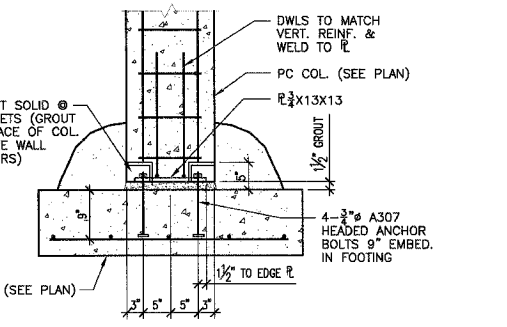
TYP. SLAB ON GRADE CONTROL JOINT
NOTE: CONTROL JOINTS AT 15'-0" O.C. MAXIMUM E.W., OR AS SHOWN ON PLAN



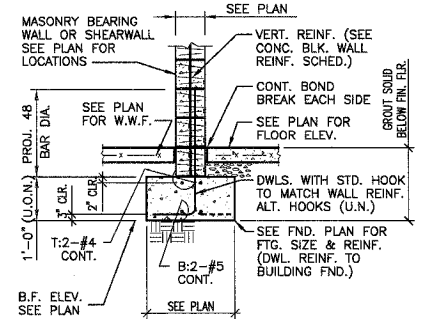
TYPICAL TOP OF WALL AT DOORWAY



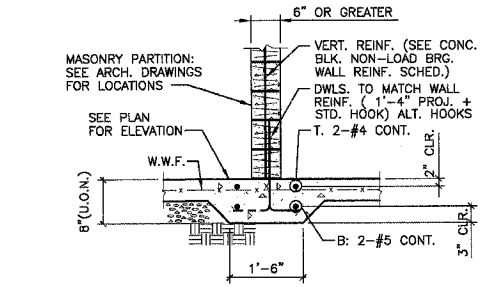
TYP. RECESS AT SLAB ON GRADE



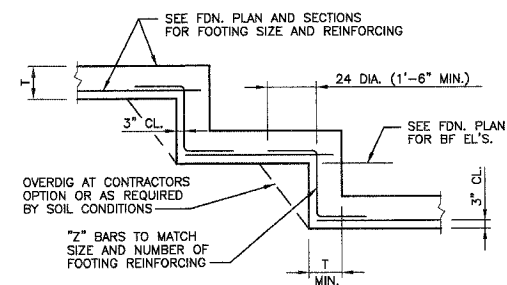
TYPICAL COL. TO FTG. CONN.



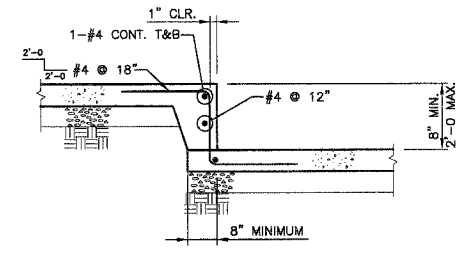
TYP. INTERIOR MASONRY SHEARWALL FOUNDATION
1.1A



TYPICAL NON-LOAD BEARING MASONRY PARTITION FOUNDATION



TYP. FOOTING STEP



TYPICAL STEP IN SLAB ON GRADE
NOTES: 1. SEE PLAN FOR SLAB THICKNESS, SLAB REINFORCING, AND DEPTH OF STEP.
2. SEE DETAIL \"A\" WHERE TRENCH DRAIN OCCURS.

CONCRETE STRENGTH SCHEDULE	
MEMBER	28 DAY COMPRESSIVE STRENGTH (fc)
PRECAST SLAB, WALL, BEAM & COLUMN	5,000 PSI (TYP. U.N.O.)
CAST IN PLACE WALL	4,000 PSI
ALL OTHERS INCLUDING: FOOTING, ETC.	3,500 PSI

CONCRETE BLOCK WALL REINFORCING SCHEDULE					
NOMINAL BLOCK THICKNESS	VERTICAL REINFORCING (GROUT SOLID)	HORIZONTAL REINFORCING (GALVANIZED)			
		TYPE	SIDE ROD	CROSS ROD	SPACING
6"	#4 @ 24" (2'-6" LAP)	LADDER	0.148"Ø	0.148"Ø	16"
8"	#5 @ 32" (2'-6" LAP)	LADDER	0.188"Ø	0.148"Ø	16"

FOOTING DOWELS TO MATCH WALL REINFORCING (TYP. U.N.O.)

DESIGN INFORMATION	
1. BUILDING CODE: BOCA 1999	2. FLOOR LIVE LOADS (PSF): N/A
3. ROOF LIVE LOAD (PSF): 30	4. ROOF SNOW LOAD:
A. GROUND SNOW LOAD (PSF), Pg = 20	B. FLATROOF SNOW LOAD (PSF), P _f = 14
C. SNOW EXPOSURE FACTOR, Ce = 0.8	D. SNOW IMPORTANCE FACTOR, I = 1.0
E. ROOF THERMAL FACTOR, Ct = 1.0	5. WIND LOAD:
A. BASIC WIND SPEED (MPH): 70	B. WIND LOAD IMPORTANCE FACTOR, I = 1.0
C. WIND EXPOSURE: C	6. EARTHQUAKE DESIGN DATA:
A. PEAK VELOCITY-RELATED ACCELERATION, Av = 0.13	B. PEAK ACCELERATION, Ag = 0.12
C. SEISMIC HAZARD EXPOSURE GROUP: I	D. SEISMIC PERFORMANCE CATEGORY: C
E. SOIL PROFILE TYPE: S3	F. BASIC STRUCTURAL SYSTEM: LOAD BRG. WALL
G. SEISMIC RESISTING SYSTEM: REINF. MASONRY SHEARWALL	H. RESPONSE MODIFICATION FACTOR, R = 4.5
I. DEFLECTION AMPLIFICATION FACTOR, Cd = 4	J. SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

- GENERAL NOTES**
- IN FIELD LAYOUT AND SHOP DETAILING, THE CONTRACTOR MUST VERIFY AND COORDINATE DIMENSIONS ON ARCHITECTURAL, MECHANICAL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. ALL EXISTING DIMENSIONS AND CONDITIONS MUST BE FIELD VERIFIED BY CONTRACTOR.
- FOUNDATIONS**
- FOOTINGS HAVE BEEN PROPORTIONED FOR A NET MAXIMUM BEARING PRESSURE OF 2500 P.S.F. FOR ISOLATED COLUMN FOOTINGS & 2000 P.S.F. FOR CONTINUOUS FOOTINGS.
 - FOOTINGS MUST EXTEND 2'-6" BELOW FINISHED GRADE, AND ARE TO BEAR ON UNDISTURBED SOIL OR ENGINEERED COMPACTED FILL.
- GENERAL CONCRETE NOTES**
- ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE. SEE SCHEDULE THIS SHEET AND SPECIFICATION FOR CONCRETE STRENGTH.
 - REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 STEEL, UNLESS NOTED OTHERWISE.
 - ALL DETAILING, FABRICATION AND PLACEMENT OF BARS AND THEIR SUPPORT IN THE FORMS WITH ACCESSORIES, UNLESS NOTED OTHERWISE, MUST FOLLOW THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315 LATEST). REINFORCING STEEL PLACING DRAWINGS WILL MEET THE FOLLOWING MINIMUM REQUIREMENTS IN ADDITION TO THOSE STATED ABOVE:
 - REINFORCING PLACING DRAWINGS FOR SLABS, BEAMS, JOISTS ETC. WILL BE SHOWN ON PLANS DRAWN TO A MINIMUM SCALE OF 1/8" = 1'-0". MINIMUM SHEET SIZE WILL BE 24" X 36".
 - REINFORCING FOR FOUNDATION WALLS, RETAINING WALLS, SHEAR WALLS ETC. WILL BE SHOWN ON ELEVATIONS DRAWN TO A MINIMUM SCALE OF 1/4" = 1'-0".
 - REINFORCING FOR BEAMS, COLUMNS AND SLABS MUST BE CLEARLY SHOWN IN SCHEDULES SIMILAR TO THOSE ON THE STRUCTURAL DRAWINGS. COMPUTER PRINT-OUTS ATTACHED TO LARGER SHEETS AND REPRODUCED AS SHOP DRAWINGS WILL NOT BE PERMITTED.
 - LOCATION OF REINFORCING NOT CLEARLY DESCRIBED IN SCHEDULED FORMAT MUST BE REFERENCED ON PLACING PLANS.
 - CONCRETE COVER OVER MAIN REINFORCING SHALL BE AS FOLLOWS: FOOTINGS 3", COLUMNS AND BEAMS 2", SOLID SLABS 1" AND WALLS 2" WHERE EXPOSED TO WEATHER OR GROUND AND 1" FOR INTERIOR SURFACES.
 - ALL BARS IN WALLS AND GRADE BEAMS AND TEMPERATURE BARS IN SLABS SHALL LAP A MINIMUM OF 30 DIAMETERS (24" MIN.). SEE PLAN FOR SPECIAL REQUIREMENTS FOR BEAMS, COLUMNS, ETC. ANY SPLICE OF BARS OTHER THAN SHOWN ON PLANS MUST HAVE PRIOR APPROVAL OF THE ENGINEER.
 - WELDED WIRE FABRIC MUST LAP A MINIMUM OF 1'-0" AND SHALL EXTEND 1'-0" INTO SUPPORTING BEAMS AND WALLS UNLESS EXPANSION JOINT IS CALLED FOR. WELDED WIRE FABRIC SHALL BE PLACED ON TOP OF ALL OTHER BARS, SLEEVES, CONDUITS, ETC.
 - PROVIDE THE FOLLOWING ADDITIONAL REINFORCING UNLESS OTHERWISE CALLED FOR ON STRUCTURAL PLANS:
 - 2-#5 BARS EACH SIDE OF 12" OR LARGER OPENINGS IN SLABS AND WALLS.
 - CORNER BARS (2'-0" X 2'-0") IN OUTER FACE OF ALL CONCRETE WALLS AND GRADE BEAMS TO MATCH SIZE AND SPACING OF BARS IN WALL OR BEAM.
 - WALLS, UNLESS NOTED OTHERWISE, #4@12" EACH WAY, EACH FACE AND 2-#5 TOP AND BOTTOM.
 - ALL DOWELS MUST BE IN POSITION BEFORE PLACING CONCRETE PUSHING BARS INTO FRESHLY PLACED CONCRETE IS NOT ACCEPTABLE. PROVIDE ADDITIONAL SUPPORT BARS AS NECESSARY TO KEEP DOWELS IN PLACE.
 - ALL STRUCTURAL STEEL MUST BE PROTECTED BY 3" OF CONCRETE WHERE EARTH WOULD OTHERWISE BE IN CONTACT WITH STEEL.
 - ALL ABUTTING CONC. SHALL BE DOWELED TOGETHER UNLESS POURED MONOLITHIC. DOWELS SHALL BE EQUAL IN SIZE AND SPACING TO THE REINFORCING IN THE ABUTTING MEMBERS.
 - WHEN FOUNDATION WALLS SPAN FROM GROUND FLOOR TO FIRST FLOOR, BOTH GROUND FLOOR SLAB AND FIRST FLOOR SLAB MUST BE IN PLACE BEFORE BACKFILL IS PLACED, UNLESS NOTED OTHERWISE.
 - THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS MUST BE REFERRED TO FOR ALL ROOF AND WALL REQUIREMENTS SUCH AS SLEEVES, OUTLET BOXES, ANCHORS, VENT OPENINGS, ETC. THAT MAY BE REQUIRED. HOLES OR NOTCHES WILL NOT BE ALLOWED IN ANY CONCRETE FRAMING UNLESS SIZE AND LOCATION HAVE BEEN APPROVED BY THE ENGINEER.
 - WHERE EPOXY DOWELS ARE INDICATED, INSTALL PER MANUFACTURERS RECOMMENDATIONS WITH ITW RAMSET/REDHEAD EPOXY SYSTEM, SIMPSON EPOXY-TIE ADHESIVE OR ANCHOR-IT EPOXY SYSTEM.
- ABBREVIATION LIST**
- BD = BOTTOM OF DECK
BF = BOTTOM OF FOOTING
BP = BEAM POCKET
BS = BRICK SHELF
BW = BOTTOM OF WALL
CJP = COMPLETE JOINT PENETRATION
CP = COLUMN POCKET
CS = CONCRETE SHELF
SW = SHEAR WALL
TC = TOP OF CONCRETE
TF = TOP OF FOOTING
TP = TOP OF PIER
TS = TOP OF STEEL
TW = TOP OF WALL
UNO = UNLESS NOTED OTHERWISE
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- SSE PROJECT NO: 02111 PHASE 2B

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Suite 1900
St. Louis, MO 63102
(314) 241-8188
FAX (314) 241-0125

KAI

PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE: TYPICAL DETAILS & GENERAL NOTES

REV.	NO.	DATE	REMARKS

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
03-JUNE-05

SHEET NO
S1.1B

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TYPICAL PC BEAM TO PC COLUMN CONN.
1.1B 1/2"=1'-0"

NOTE: EXTEND BM OVER TO EDGE OF COL. WHERE BM OCCURS ONE SIDE ONLY.

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 Suite 1900
 St. Louis, MO 63102
 (314) 241-8188
 FAX (314) 241-0125

KAI

PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE
FOUNDATION PLAN

REV. NO.	DATE	REMARKS

KENNEDY PROJECT NO
KAI# 10-02048

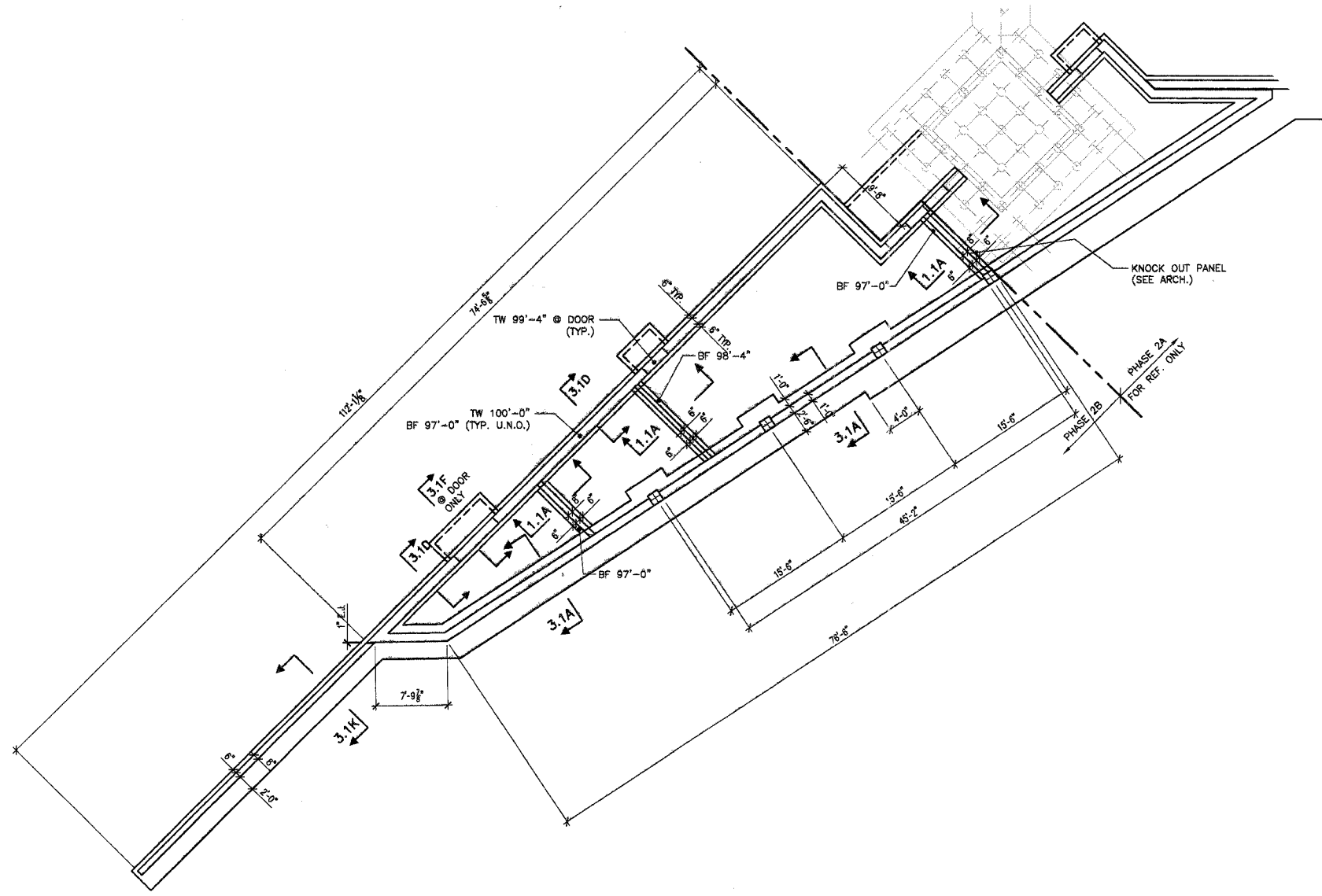
ISSUE DATE
03-JUNE-05

SHEET NO
S2.1B

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SSE PROJECT NO: 02111 PHASE 2B



FIRST FLOOR FOUNDATION PLAN 1/8"=1'-0"

- NOTES: 1. FIN. FLR. EL. 100'-0 (U.N.O.).
 2. FLR. CONSTR: 4" CONC. SLAB ON GRANULAR FILL. REINF. SLAB W/ 6X6-W1.4XW1.4 W.W.F. OR STRUX 90/40 FIBER REINF. BY GRACE CONSTR. PRODUCTS @ THE DOSAGE RATE OF 3.5 lbs./cubic yd. PER W.R. GRACE SPECS. (OR EQUAL) - U.N.O.

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 Suite 1900
 St. Louis, MO 63102
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KAI

**PHASE 2B
 LEWIS AND CLARK MEMORIAL TOWER
 VILLAGE OF HARTFORD, ILLINOIS
 HARTFORD, ILLINOIS 62049**

**SHEET TITLE
 SECTIONS & DETAILS**

REV. NO.	REMARKS	DATE

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**KENNEDY PROJECT NO
 KAI 10-02048**

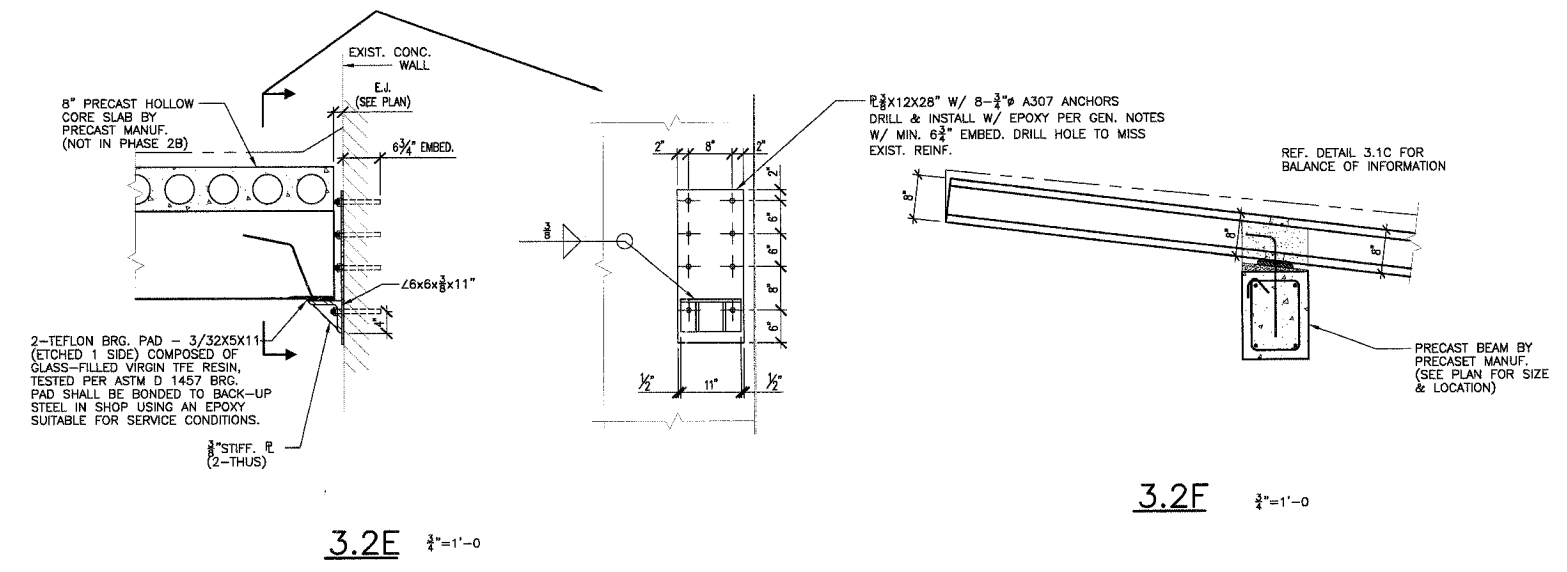
**ISSUE DATE
 03-JUNE-05**

**SHEET NO
 S3.2B**

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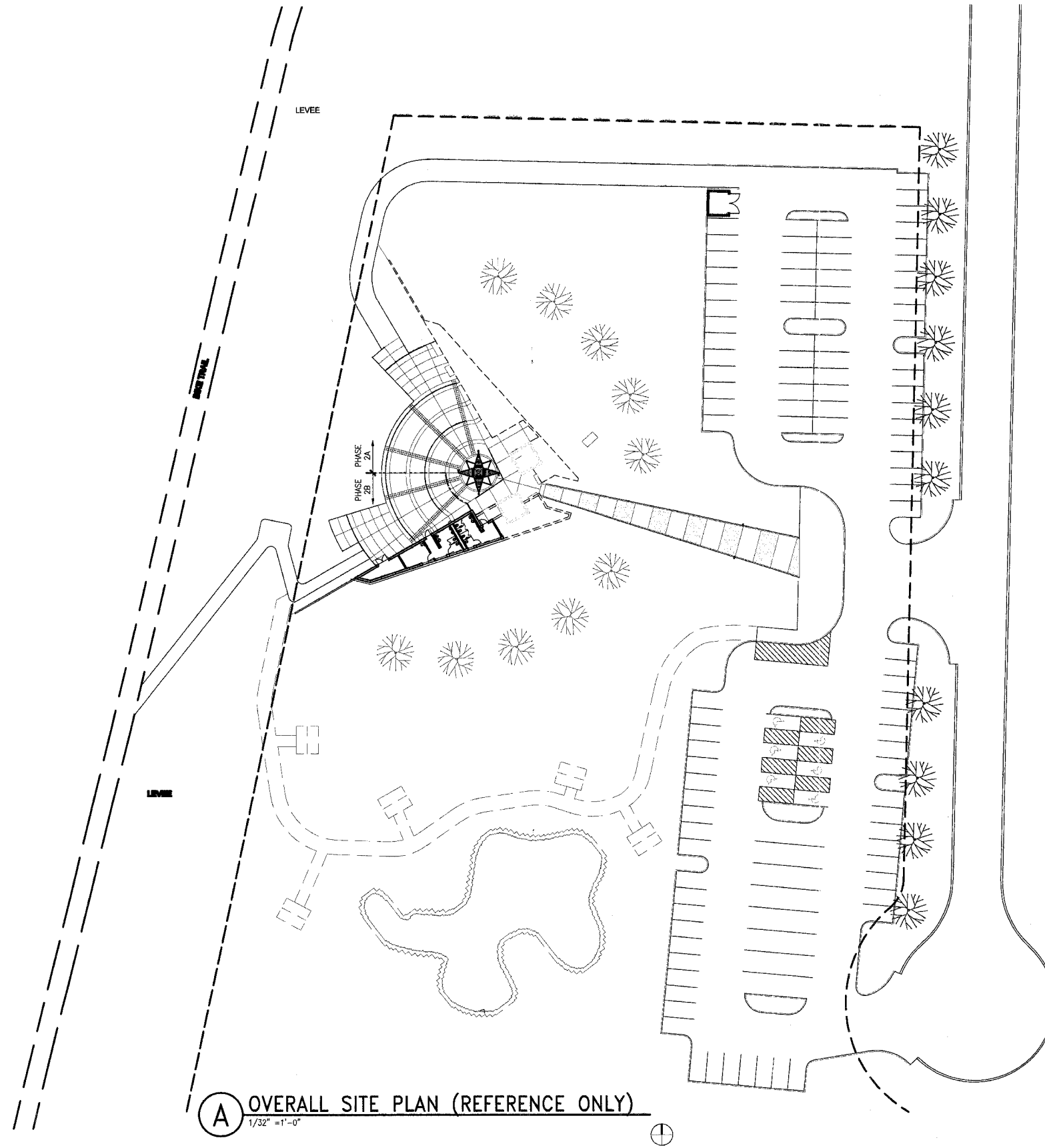
SSE PROJECT NO: 02111 PHASE 2B

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3.2E 3/4"=1'-0"

3.2F 3/4"=1'-0"



A OVERALL SITE PLAN (REFERENCE ONLY)
 1/32" = 1'-0"

PLAN NORTH

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 FAX (314) 241-9128



PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
 HARTFORD, ILLINOIS 62049

SHEET TITLE
 OVERALL SITE PLAN
 FOR REFERENCE ONLY

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
 KAI# 10-02048

ISSUE DATE
 12-JULY-05

SHEET NO

A1-02

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**PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS**
HARTFORD, ILLINOIS 62049

SHEET TITLE:
PHASE 2B SITE PLAN

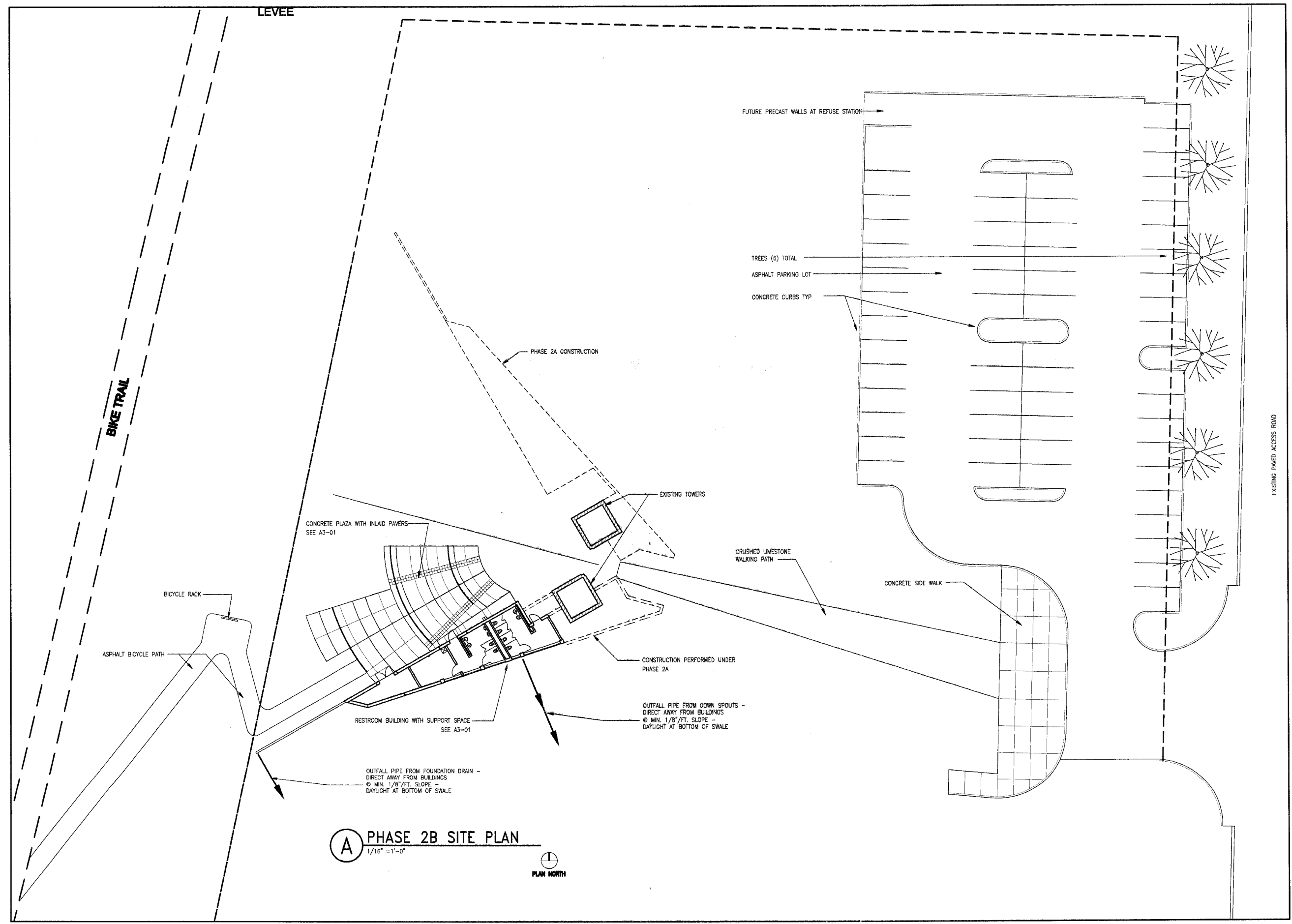
REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO

A1-03



A PHASE 2B SITE PLAN
1/16" = 1'-0"



FEDERAL AID PROJECT

GENERAL NOTES:

1. ALL DOOR DIMENSIONS ARE 3'-0" x 7'-0" UNLESS NOTED OTHERWISE.
2. SEE FINISH SCHEDULE FOR DOOR AND FRAME FINISHES.

KEYED NOTES:

- 04-22 8" CONCRETE MASONRY UNIT
- 04-23 6" CONCRETE MASONRY UNIT
- 04-62 COMPRESSIBLE FILLER
- 10-10 TACTILE SIGN PLATE
- 10-25 ACCESSIBLE TOILET TISSUE DISPENSER
- 10-26 36" GRAB BAR
- 10-27 42" GRAB BAR
- 10-29 ACCESSIBLE SOAP DISPENSER
- 10-31 ACCESSIBLE SANITARY NAPKIN DISPOSAL
- 10-42 MIRROR
- 10-46 UTILITY SHELF WITH HOOKS
- 10-50 ELECTRIC HAND DRYER
- 15-11 ACCESSIBLE WATER CLOSET

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PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE
**MOUNTING HEIGHTS/
PARTITION TYPES
DOOR INFORMATION**

REV. NO.	DATE	REMARKS

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO

A2-01

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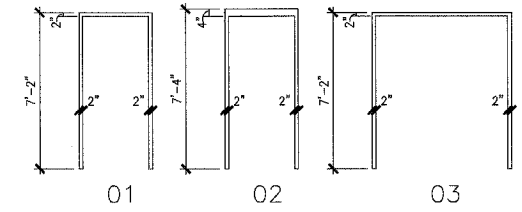
DOOR TYPE	DOOR ELEV.	DOOR MATERIAL	FRAME ELEV.	DOOR RATING	REMARKS
A					NOT USED
B	NL	HM/GL	01		PROVIDE PATTERNED GLASS IN LITE
C					NOT USED
D					NOT USED
E	FL	HM	02		
F					NOT USED
G	FL	HM	03		

DOOR ELEV. LEGEND

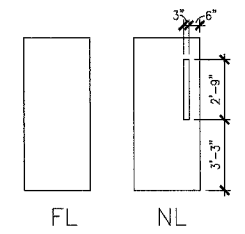
FL FLUSH
NL NARROW LITE

DOOR MATERIAL LEGEND

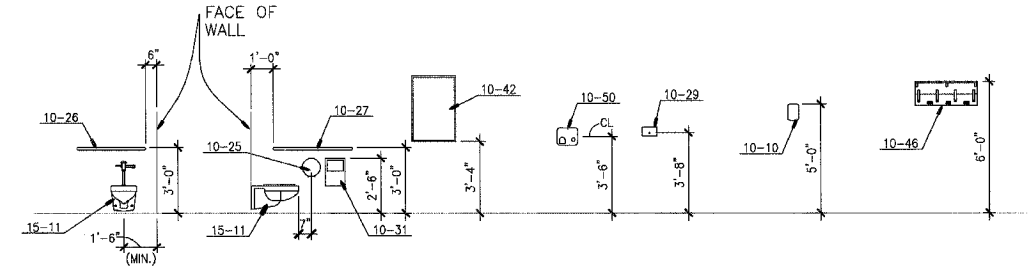
HM HOLLOW METAL



FRAME ELEVATION
1/4"=1'-0"



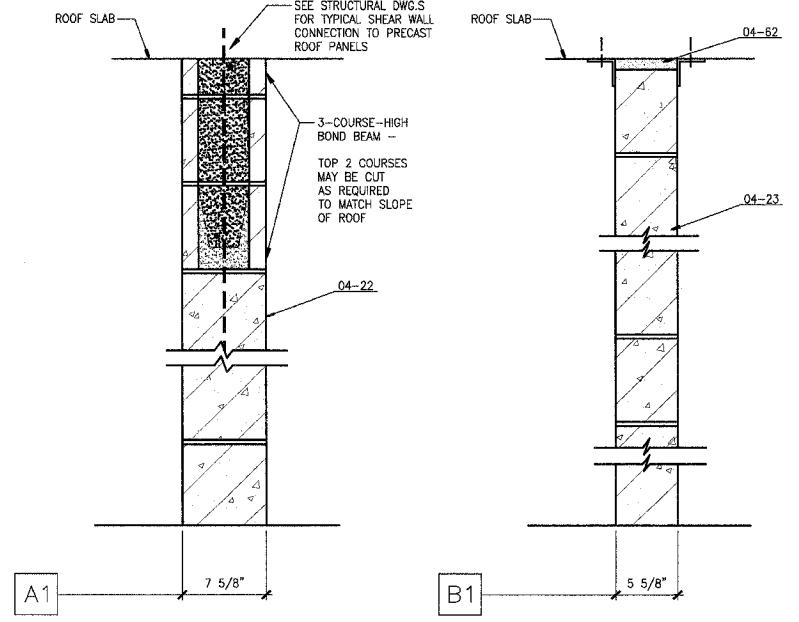
DOOR ELEVATIONS
1/4"=1'-0"



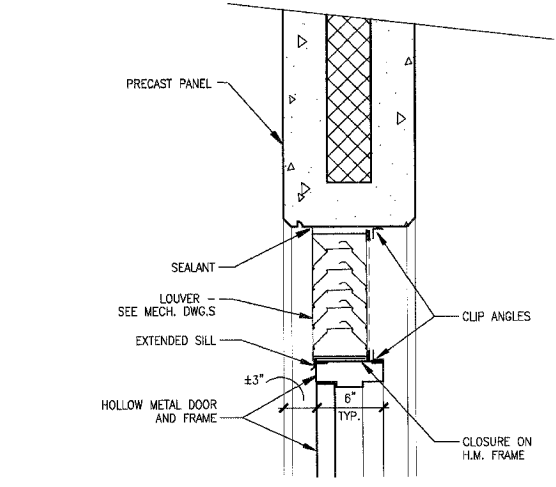
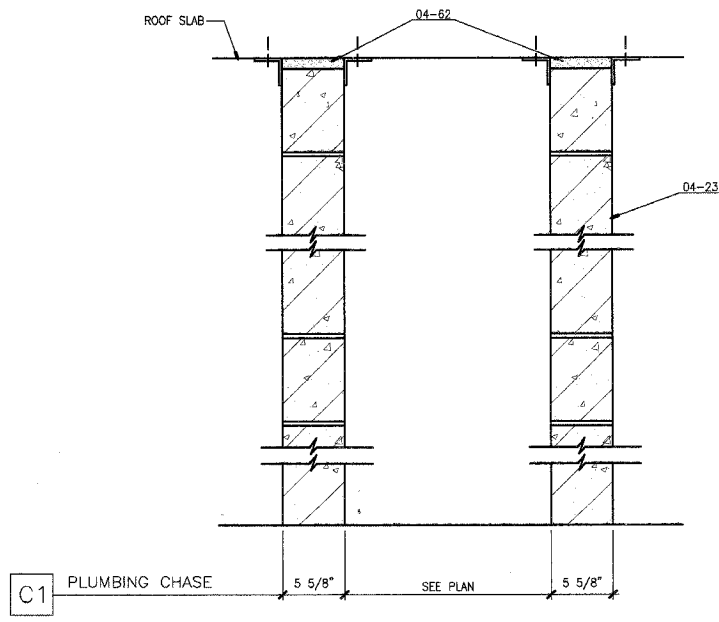
TYP. MOUNTING HEIGHTS
1/4"=1'-0"

ROOM NO.	ROOM NAME	FLOOR	WALLS	CEILING FINISH	CEILING HEIGHT	REMARKS
110	WOMEN	SC	HPC	HPC	VARIES	PAINT DOORS & FRAMES WITH HPC
111	MEN	SC	HPC	HPC	VARIES	PAINT DOORS & FRAMES WITH HPC
112	ELECTRICAL / JANITOR	SC	---	---	VARIES	PAINT DOORS & FRAMES WITH HPC
113	STORAGE	SC	---	---	VARIES	PAINT DOORS & FRAMES WITH HPC

SC SEALED CONCRETE
HPC HIGH PERFORMANCE COATING



PARTITION TYPES
1-1/2"=1'-0"



DOOR FRAME / LOUVER DETAIL
1-1/2"=1'-0"

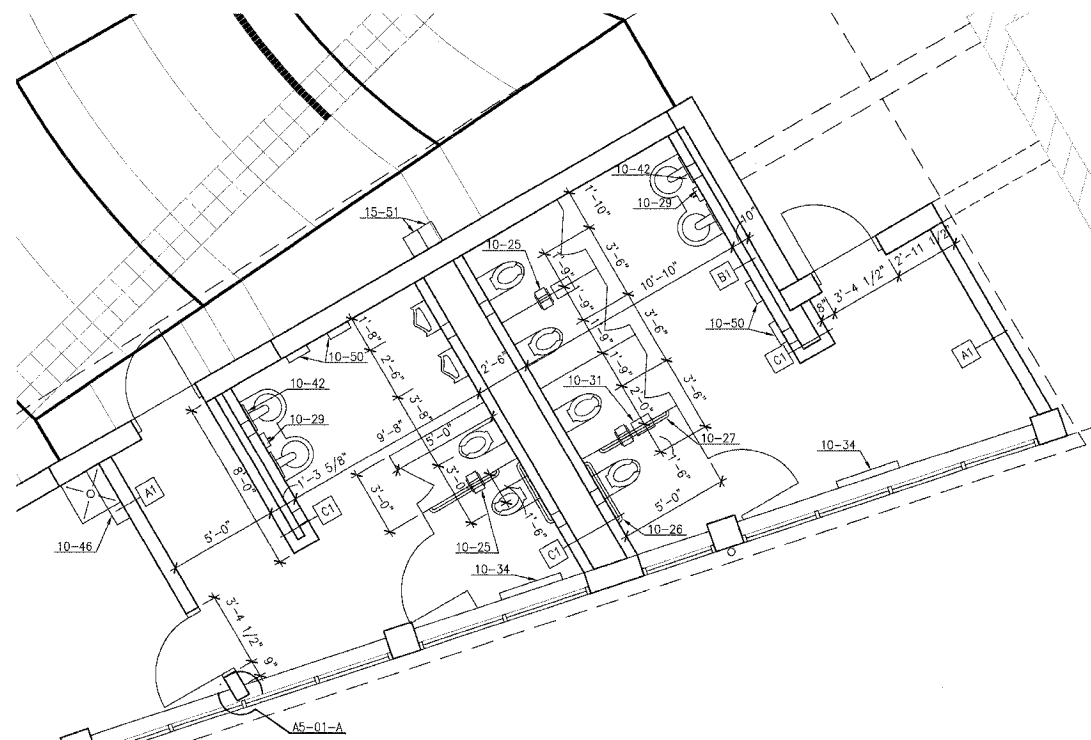
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	38	22

FEDERAL AID PROJECT

KEYED NOTES:

- 04-63 8"x8" WALL VENTS @ 8" ABOVE FLOOR & 8" (MIN.) BELOW ROOF PANELS.
- 10-25 ACCESSIBLE TOILET TISSUE DISPENSER
- 10-26 36" GRAB BAR
- 10-27 42" GRAB BAR
- 10-29 ACCESSIBLE SOAP DISPENSER
- 10-31 ACCESSIBLE SANITARY NAPKIN DISPOSAL
- 10-34 DIAPER CHANGING TABLE
- 10-42 MIRROR
- 10-46 UTILITY SHELF WITH HOOKS
- 10-50 ELECTRIC HAND DRYER
- 15-51 DRINKING FOUNTAIN

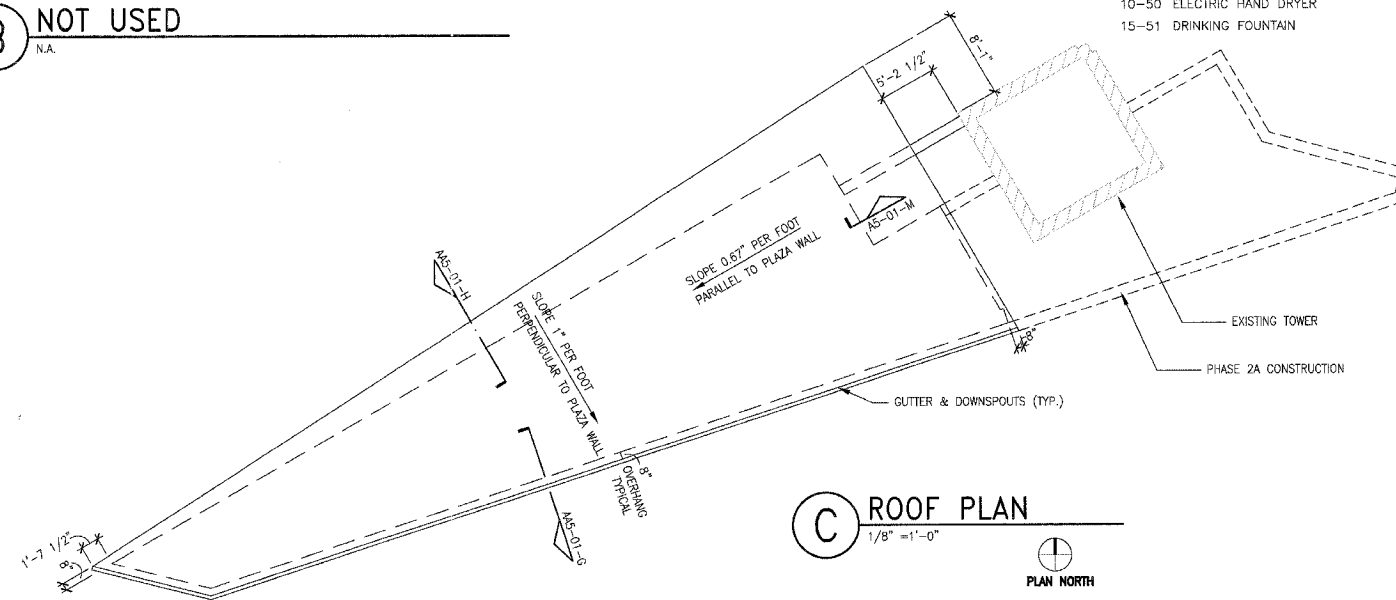
Note: Precaster is responsible for coordinating fabrication of concrete panels with location of all electrical, mechanical, and plumbing devices. Panels should be designed to include all knockouts and voids required for ductwork and junction boxes. They should also include conduit for the wiring of all such devices.



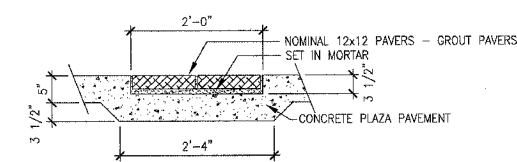
(A) ENLARGED RESTROOM PLAN
1/4" = 1'-0"



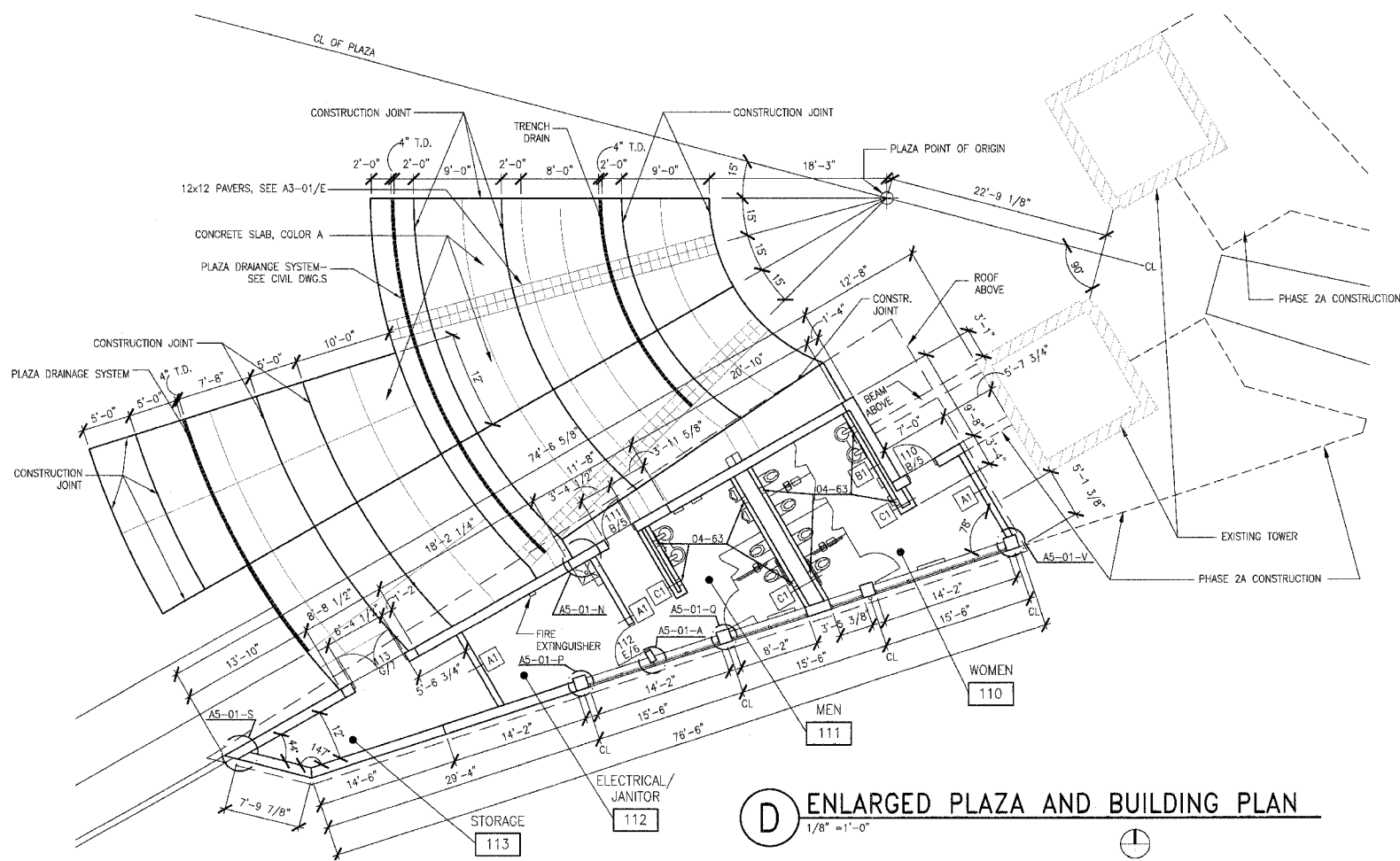
(B) NOT USED
N.A.



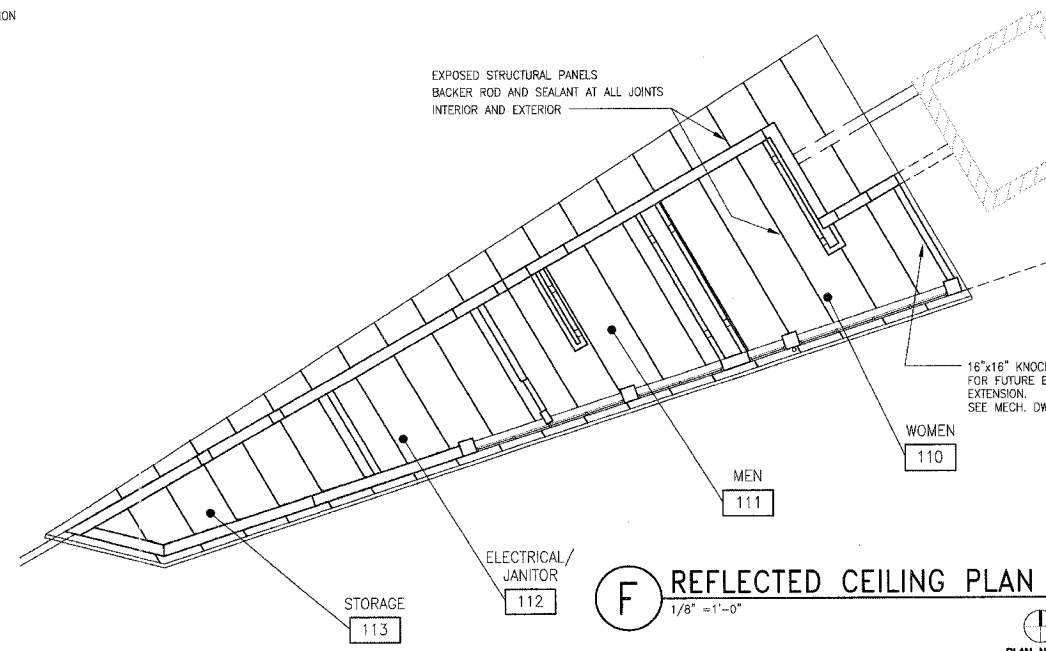
(C) ROOF PLAN
1/8" = 1'-0"



(E) PLAZA PAVING DETAIL
3/4" = 1'-0"



(D) ENLARGED PLAZA AND BUILDING PLAN
1/8" = 1'-0"



(F) REFLECTED CEILING PLAN
1/8" = 1'-0"



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**PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049**

SHEET TITLE:
**PHASE 2B FLOOR PLAN
AND ROOF PLAN**

DATE	REMARKS	REV. NO.

KENNEDY PROJECT NO
KAI# 10-02048

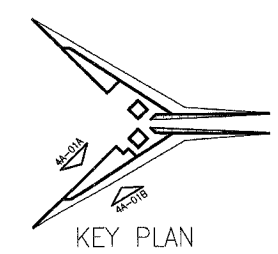
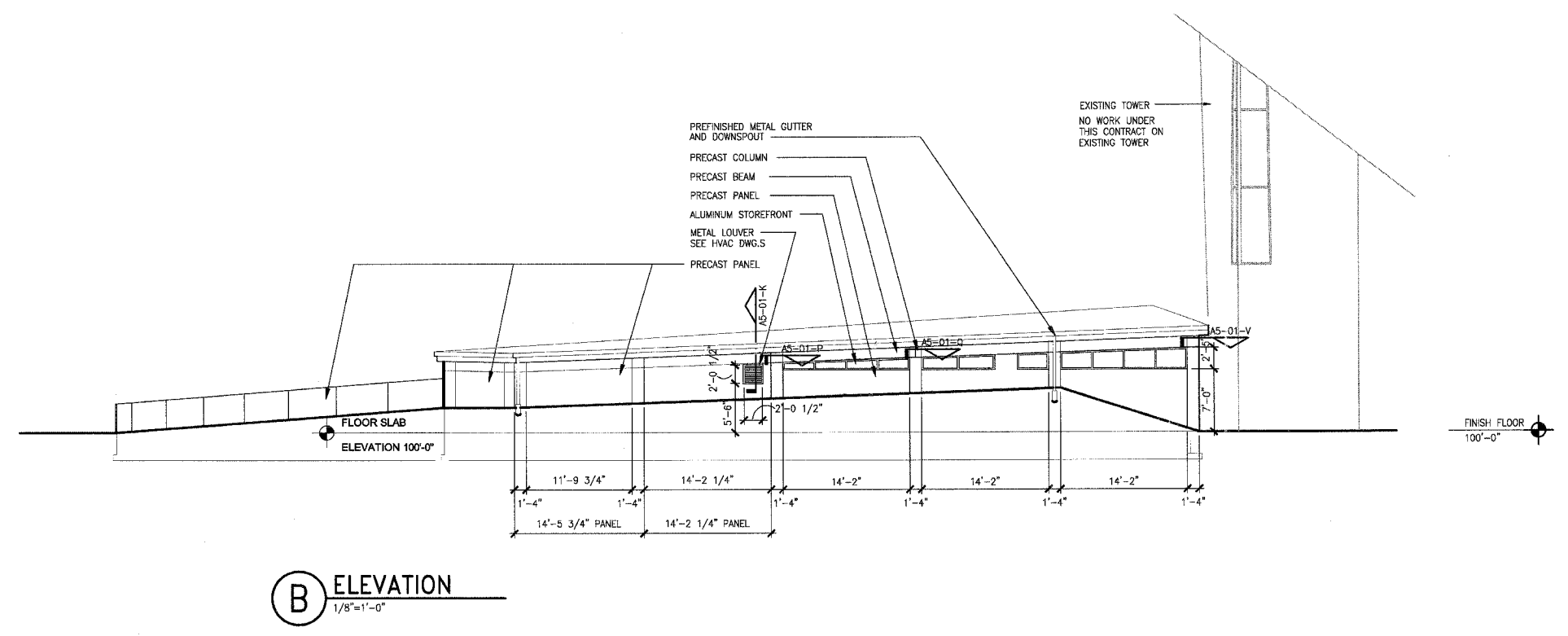
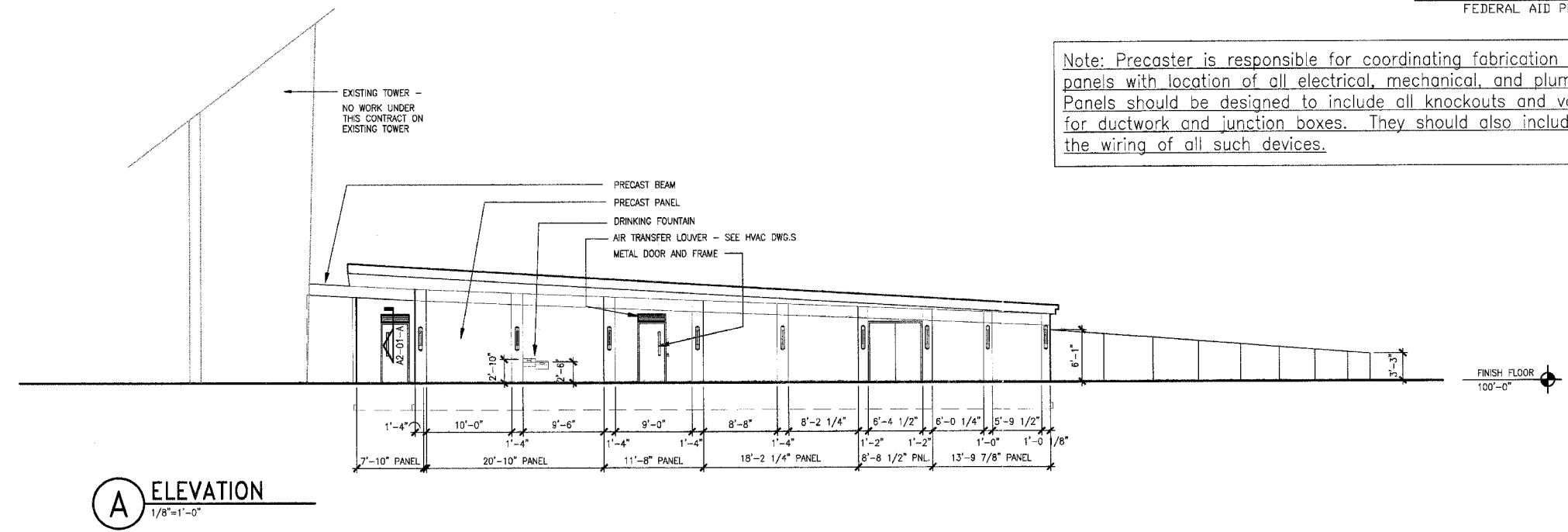
ISSUE DATE
12-JULY-05

SHEET NO

A3-01

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Note: Precaster is responsible for coordinating fabrication of concrete panels with location of all electrical, mechanical, and plumbing devices. Panels should be designed to include all knockouts and voids required for ductwork and junction boxes. They should also include conduit for the wiring of all such devices.



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PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE
EXTERIOR ELEVATIONS

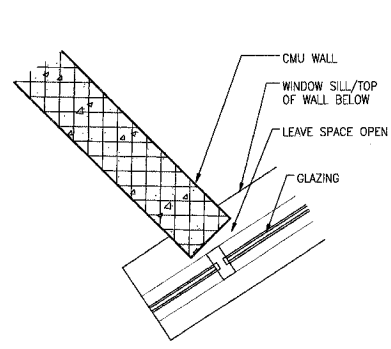
REV. NO.	DATE	REMARKS

KENNEDY PROJECT NO
KAI= 10-02048

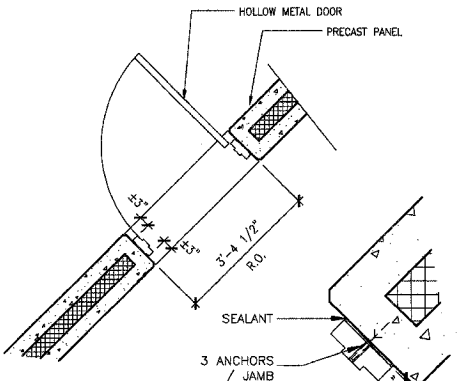
ISSUE DATE
12-JULY-05

SHEET NO
A4-01

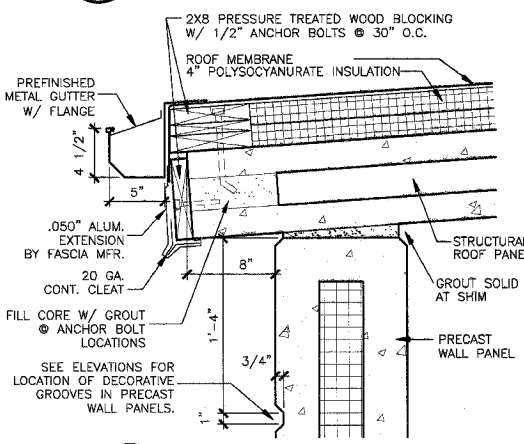
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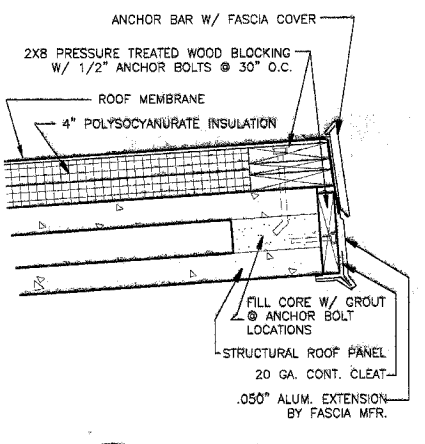
A PLAN DETAIL
1"=1"



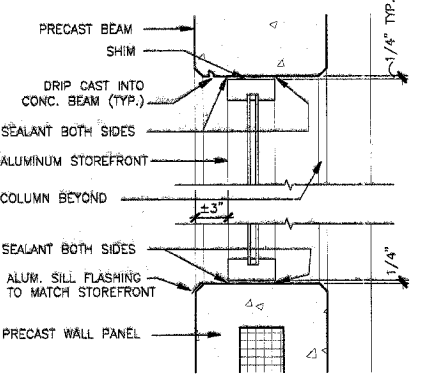
B DOOR DETAIL
1/2"=1'-0"



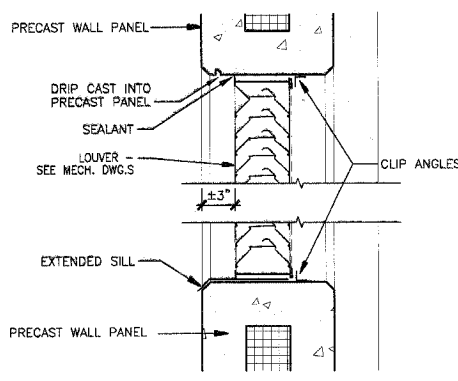
G ROOF EDGE
1-1/2"=1'-0"



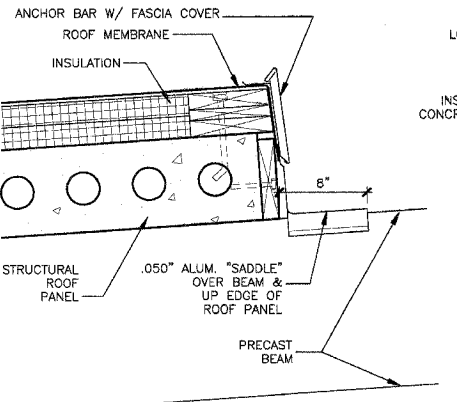
H ROOF EDGE
1-1/2"=1'-0"



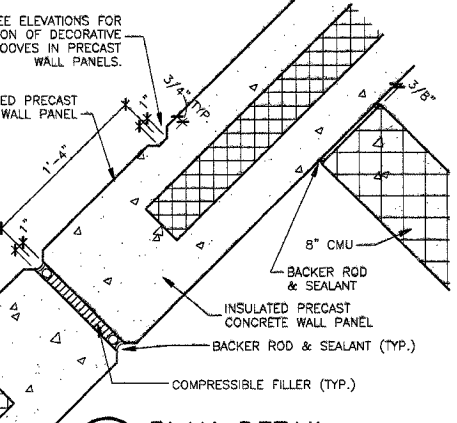
J WINDOW DETAIL
1-1/2"=1'-0"



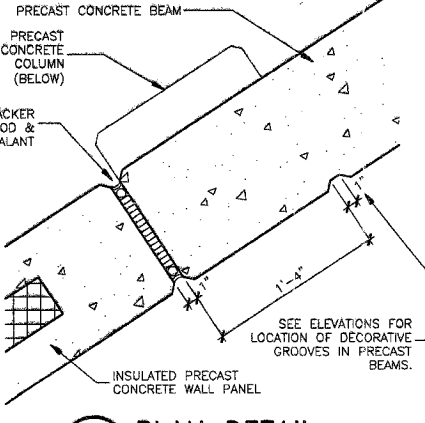
K LOUVER DETAIL
1-1/2"=1'-0"



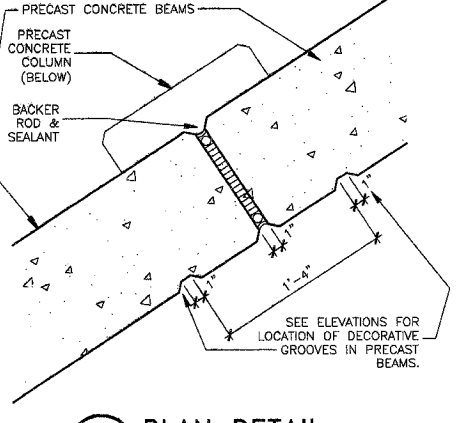
M ROOF/BEAM DETAIL
1-1/2"=1'-0"



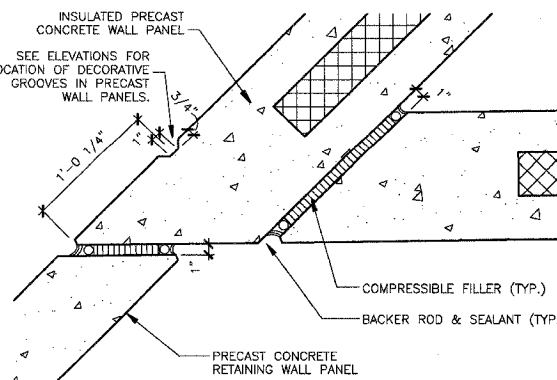
N PLAN DETAIL
1-1/2"=1'-0"



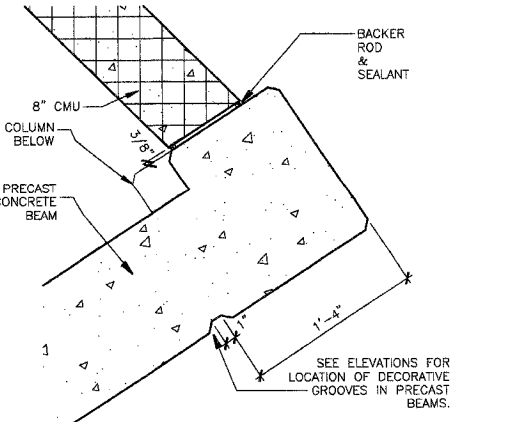
P PLAN DETAIL
1-1/2"=1'-0"



Q PLAN DETAIL
1-1/2"=1'-0"



S PLAN DETAIL
1-1/2"=1'-0"



V PLAN DETAIL
1-1/2"=1'-0"

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PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE
DETAILS

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

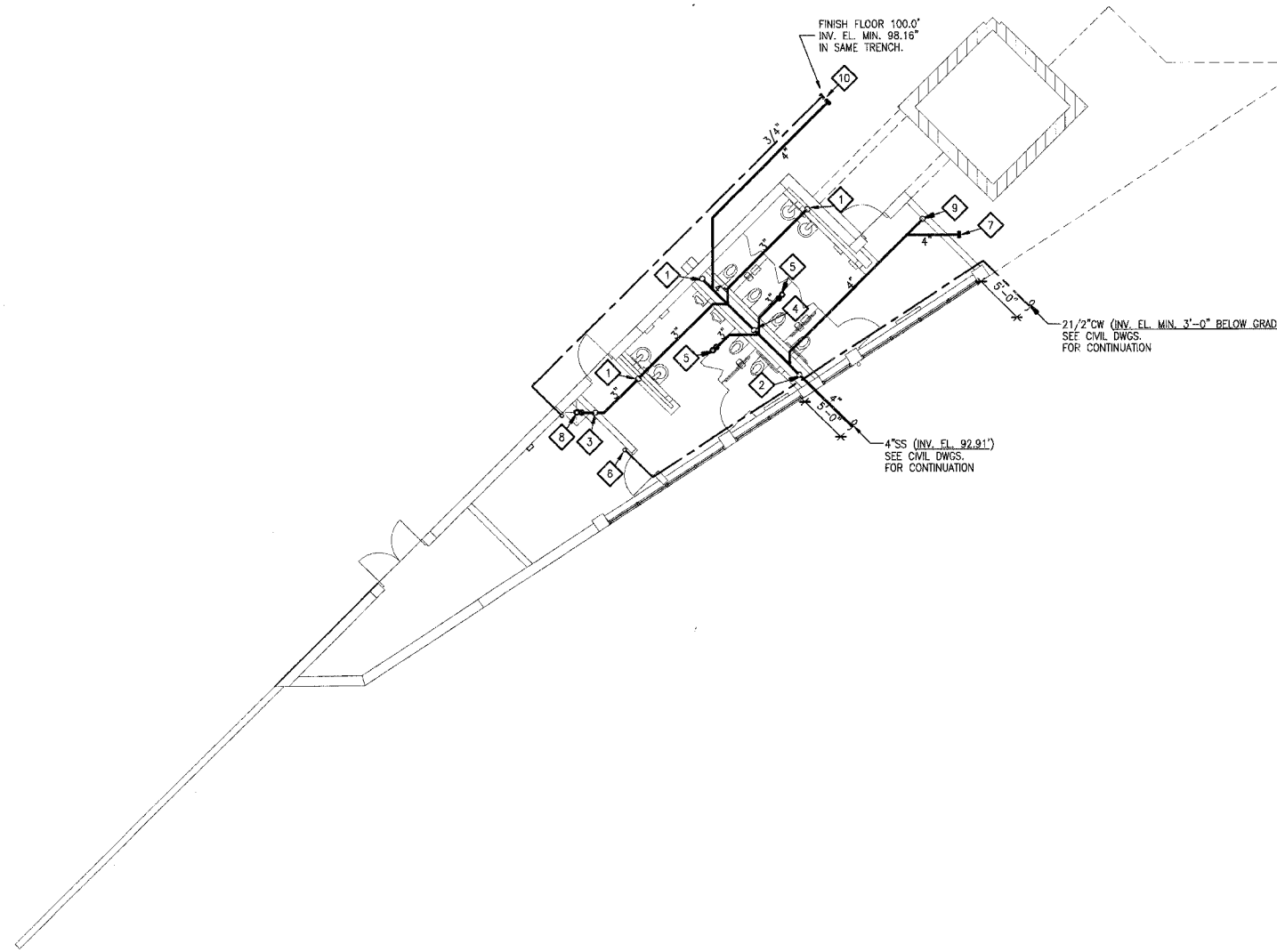
SHEET NO
A5-01

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	38	26

FEDERAL AID PROJECT

KEYED NOTES:

- 1 2"W UP
- 2 4"W UP
- 3 1 1/2"V UP
- 4 2"V UP
- 5 3"UP TO, FD-1
- 6 2 1/2" CW UP, SEE SHEET P3-02 FOR CONTINUATION.
- 7 EXTEND 4" SANITARY LINE 12" BEYOND FOOTING, CAPPED FOR FUTURE EXTENSION IN PHASE 2A. (STAKE AND MARK FOR FUTURE IDENTIFICATION AND EXTENSION)
- 8 3"UP TO, MB-1
- 9 3"UP TO, WOO
- 10 CAP 3/4" WATER AND 4" SANITARY PIPING 12" BEYOND PHASE 2B WORK. (STAKE AND MARK FOR FUTURE IDENTIFICATION AND EXTENSION)



A BELOW FLOOR PLAN-PLUMBING
1/8"=1'-0"

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PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE:
**BELOW FLOOR PLAN-
PLUMBING**

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO
P3-01

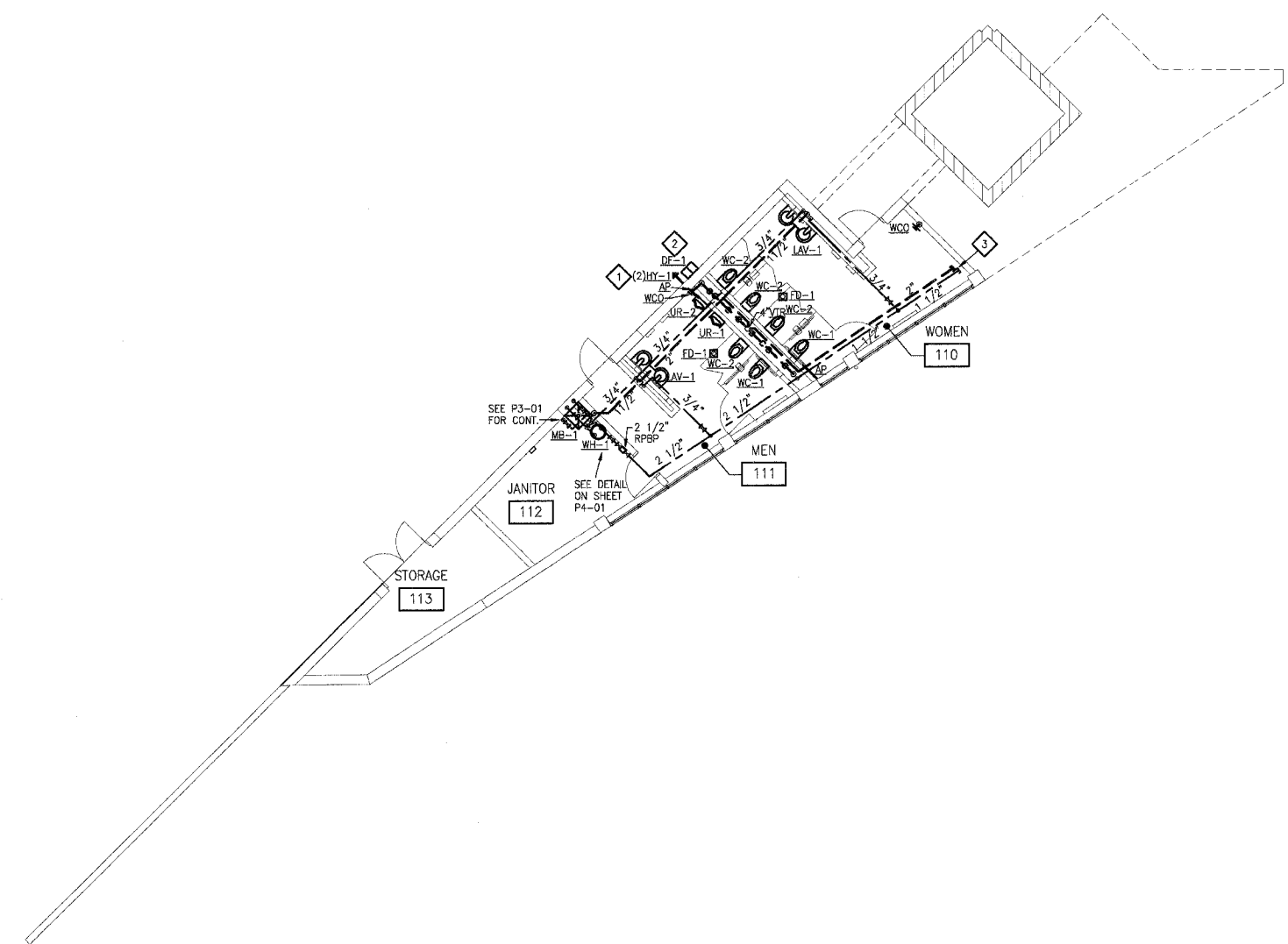
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	38	27

FEDERAL AID PROJECT

KEYED NOTES:

- 1 1HW HY-1 AND 1 CW HY-1, PROVIDE SHUT OFF VALVES ACCESSIBLE BY ACCESS PANEL TO SHUT OFF HY-1'S.
- 2 PROVIDE SHUT OFF VALVE ACCESSIBLE BY ACCESS PANEL TO SHUT OFF DF-1.
- 3 2" VENT, 1 1/2" WATER CAPPED FOR FUTURE EXTENSION IN PHASE 2A.



A FIRST FLOOR PLAN-PLUMBING
1/8"=1'-0"

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**PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049**

SHEET TITLE:
**FIRST FLOOR PLAN-
PLUMBING**

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO
P3-02

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PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE:
LEGEND, SCHEDULES
AND DETAILS
PLUMBING

DATE	
REMARKS	
REV. NO.	

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO

P4.01

PLUMBING FIXTURE CONNECTION SCHEDULE

MARK	DESCRIPTION	WASTE	TRAP	VENT	COLD WATER	HOT WATER	REMARKS	MAN. & MODEL NO.
WC-1	WATER CLOSET, WALL HUNG	4"	-	2"	1 1/2"	-	ADA, 17"A.F.F., ELEC. FLUSH VALVE	KOHLER#K-4330/SLOAN#111ES-S
WC-2	WATER CLOSET, WALL HUNG	4"	-	2"	1 1/2"	-	15"A.F.F., ELEC. FLUSH VALVE	KOHLER#K-4330/SLOAN#111ES-S
UR-1	URINAL, WALL HUNG	2"	-	2"	1"	-	ADA, 17"A.F.F., ELEC. FLUSH VALVE	KOHLER#K-5016-ET/SLOAN#186-1.0ES-S
UR-2	URINAL, WALL HUNG	2"	-	2"	1"	-	24"A.F.F., ELEC. FLUSH VALVE	KOHLER#K-5016-ET/SLOAN#186-1.0ES-S
LAV-1	LAVATORY	2"	1 1/2"	1 1/2"	1/2"	1/2"	ADA, ELEC. FAUCET	ACORN#3702-2-SO-EB-MXT
DF-1	DRINKING FOUNTAIN	1 1/2"	-	1 1/4"	1/2"	-	(ADULT) ADA, 40"/36"A.F.F.	STERN WILLIAMS#BF-5000 FP
MB-1	MOP BASIN, FLOOR SET	3"	-	2"	3/4"	3/4"	MANUAL FAUCET	STERN WILLIAMS#SB-902/T-10-VB/T-35/T-40/BP
HY-1	HYDRANT	-	-	-	3/4"	-	RECESSED, FREEZE PROOF	RECESSED, FREEZE PROOF

NOTE: 1. SIZES LISTED ARE MINIMUM CONNECTIONS REQUIRED TO FIXTURES.

DRAIN SCHEDULE

MARK	MANUFACTURER	MODEL NO.	OUTLET SIZE	STRAINER MATERIAL	REMARKS
FD-1	J.R.SMITH	2010	3"	NICKEL BRONZE	TOILET ROOM

NOTE:

MISCELLANEOUS EQUIPMENT

MARK	MANUFACTURER	MODEL NO.	CONNECTIONS	INSTALLATION	USE/LOCATION
RPBP-1	FEBCO	860	2 1/2"	HORIZONTAL	DOMESTIC WATER/MECHANICAL ROOM

NOTE:

ELECTRIC WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL NO.	STORAGE	RECOVERY	ELEMENT	VOLT/PH	REMARKS
WH-1	BRADFORD WHITE	LD-WH30L3-1C015	30 GAL.	6 GPH	1.5KW	120/1	JANITOR CLOSET

NOTE: RECOVERY BASED ON 90° RISE

SYMBOLS & ABBREVIATIONS

PLUMBING

PLUMBING ABBREVIATION

- AD AREA DRAIN
- AP ACCESS PANEL
- BT BATH TUB
- CO CLEAN OUT
- CW COLD WATER
- DF DRINKING FOUNTAIN
- EWC ELECTRIC WATER COOLER
- FCD FLOOR CLEANOUT
- FD FLOOR DRAIN
- F.F. FINISH FLOOR
- FS FLOOR SINK
- HW HOT WATER
- HWR HOT WATER RETURN
- HWRP HOT WATER RECIRCULATING PUMP
- HY HYDRANT
- INV. EL. INVERT ELEVATION
- LAV LAVATORY
- MB MOP SERVICE BASIN
- PR PLUMBING RISER
- RPBP BACKFLOW PREVENTER (REDUCED PRESSURE)
- SH SHOWER
- SK SINK
- TD TRENCH DRAIN
- TYP. TYPICAL
- V VENT
- VTR VENT THRU ROOF
- W WASTE
- WH WATER HEATER
- WS WATER SOFTNER
- WCO WALL CLEANOUT
- WC WATER CLOSET
- VS VENT STACK
- UR URINAL

PIPING SPECIALTIES

- GATE VALVE
- CHECK VALVE
- CIRCUIT SETTER
- BALL VALVE
- BALANCING COCK
- UNION
- STRAINER
- REDUCE PRESSURE BACKFLOW PREVENTER
- THERMOMETER
- GAUGE
- PRESSURE/TEMPERATURE TEST PLUG
- FLOW MEASURING DEVICE
- INDICATES PLUMBING RISER & DRAWING REFERENCE
- CW COLD WATER
- HW HOT WATER (105°)
- HWR HOT WATER RETURN
- V SANITARY VENT
- ST STORM
- S or W SOIL or WASTE
- VTR VENT THRU ROOF AND FLASH
- CO CLEANOUT
- FCD FLOOR CLEANOUT
- WCO WALL CLEANOUT
- FD FLOOR DRAIN
- FS FLOOR SINK
- HB HOSE BIBB
- ELBOW, TURNED UP
- ELBOW, TURNED DOWN
- BRANCH CONNECTION, TOP
- BRANCH CONNECTION, BOTTOM
- DIRECTION OF FLOW
- PIPE CAP OR BLIND FLANGE
- ACCESS PANEL

*NOT ALL OF THESE ITEMS ABOVE ARE ON THE PROJECT

A SLEEVE DETAILS
N.T.S.

B WATER HEATER SUPPORT DETAIL
N.T.S.

C FLOOR DRAIN DETAIL
N.T.S.

D CLASS "C" BEDDING DETAIL
N.T.S.

I.D. OF PIPE	"W"
6"	28"
8"	28"
10"	28"
12"	28"
15"	32"
18"	35"
21"	39"
24"	42"
27"	45"
30"	49"
33"	53"

NOTE:
1. NO BLOCKING OF ANY KIND SHALL BE USED.
2. PLACE BEDDING SO ENTIRE LENGTH WILL HAVE BEARING.

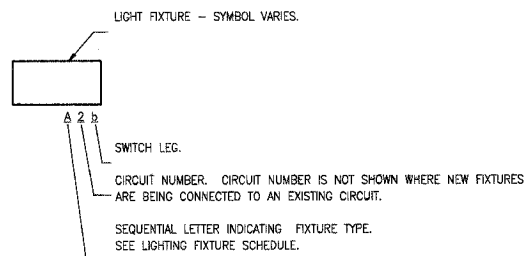
E FLOOR CLEANOUT
N.T.S.

F REDUCED PRESSURE BACKFLOW PREVENTER
N.T.S.

GENERAL NOTES

- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED ELECTRICAL EQUIPMENT (LIGHT FIXTURES, OCCUPANCY SENSORS, ETC.)
- REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION DRAWINGS INDICATING THE EXACT LOCATION OF WALL MOUNTED INTERIOR AND EXTERIOR LIGHT FIXTURES.
- IN GENERAL, CONDUIT ROUTING SHOWN ON THE DRAWINGS IS DIAGRAMMATIC. ACTUAL CONDUIT ROUTING SHALL BE DETERMINED IN THE FIELD.
- WALL MOUNTED STARTERS, DISCONNECT SWITCHES, COMBINATION STARTERS, ETC. SHALL BE INSTALLED AT 48" TO THE CENTERLINE OF THE DEVICE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- AT THE ROUGH-IN FOR ALL WALL HEIGHT PHONES, PROVIDE A BLANK COVER PLATE ON THE OUTLET BOX.
- NOT ALL SYMBOLS ARE USED IN EACH PHASE OF THIS PROJECT.

LIGHT FIXTURE DESIGNATION MATRIX



LIGHTING

- CEILING MOUNTED DOWNLIGHT
- WALL MOUNTED LIGHT FIXTURE
- CEILING MOUNTED FLUORESCENT FIXTURE
- CEILING MOUNTED FLUORESCENT FIXTURE WITH EMERGENCY BATTERY BALLAST
- FLUORESCENT STRIP LIGHT
- CEILING MOUNTED EXIT SIGN WITH EMERGENCY BATTERY PACK
- EXTERIOR FLOODLIGHT
- POLE MOUNTED SITE LIGHTING LUMINAIRE
- BOLLARD

DISTRIBUTION EQUIPMENT

- TRANSFORMER
- BRANCH CIRCUIT PANELBOARD (SINGLE SECTION)
- BRANCH CIRCUIT PANELBOARD (TWO SECTION)
- DISTRIBUTION PANELBOARD

ONE LINE/WIRING/CONDUIT

- CONDUIT INSTALLED CONCEALED WITHIN WALLS AND ABOVE CEILING.
- CONDUIT INSTALLED BELOW GRADE, SLAB OR FLOOR
- WIRING HOMERUN TO PANELBOARD - SHORT STROKE INDICATES PHASE CONDUCTOR, LONG STROKE INDICATES NEUTRAL CONDUCTOR, LONG STROKE WITH DOT INDICATES EQUIPMENT GROUND CONDUCTOR
- CONDUIT UP
- CONDUIT DOWN
- CONDUIT CAPPED
- CONDUIT STUB
- GROUND
- TRANSFORMER
- FUSE
- SWITCH
- GROUND BUS
- NEUTRAL BUS
- ADJUSTABLE SPEED DRIVE
- DISCONNECT SWITCH
- MAGNETIC STARTER
- COMBINATION MAGNETIC STARTER/DISCONNECT SWITCH
- PRE WIR'D CONTROL PANEL
- CURRENT TRANSFORMERS
- GROUND FAULT PROTECTION
- MOTOR -- NUMBER WITHIN SYMBOL DENOTES HORSEPOWER RATING

WIRING DEVICES

- DISCONNECT SWITCH - "WP" DENOTES WEATHERPROOF
- ELECTRIC MOTOR
- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP (42" WHERE NO COUNTERTOP)
- DUPLEX RECEPTACLE - "GFI" INDICATES GROUND FAULT INTERRUPTING WITH TEST AND RESET BUTTONS, "P" INDICATES "GFI PROTECTED" BY UPSTREAM GFI DEVICE ON SAME CIRCUIT.
- DOUBLE DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP (42" WHERE NO COUNTERTOP)
- JUNCTION BOX
- SINGLE POLE SWITCH
- 3-WAY LIGHT SWITCH
- DIMMER SWITCH
- MANUAL MOTOR STARTER
- CEILING MOUNTED OCCUPANCY SENSOR
- LIGHTING CONTACTOR
- LIGHTING CONTROL RELAY PANEL
- MOTORIZED DAMPER

VOICE/DATA

- TELEPHONE JACK OUTLET ROUGH-IN - "W" ADJACENT TO DEVICE DENOTES WALL HEIGHT PHONE
- VOICE/DATA JACK OUTLET ROUGH-IN - DESK HEIGHT
- VOICE/DATA JACK OUTLET ROUGH-IN - ABOVE COUNTER

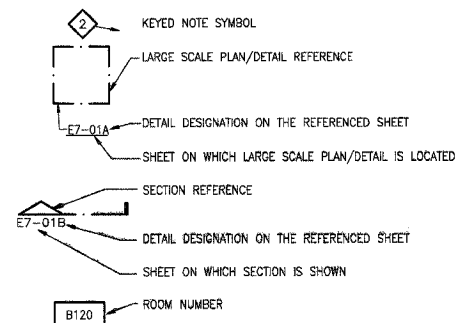
FIRE ALARM

- FIRE ALARM STROBE LIGHT - NUMBER INDICATES CANDELA SETTING
- FIRE ALARM COMBINATION HORN/STROBE LIGHT - NUMBER INDICATES CANDELA SETTING
- FIRE ALARM PULL STATION
- FIRE ALARM CONTROL PANEL
- DUCT MOUNTED SMOKE DETECTOR WITH SAMPLING TUBE
- CEILING MOUNTED SMOKE DETECTOR
- HEAT DETECTOR
- TAMPER SWITCH
- FLOW SWITCH
- CONTROL MODULE
- MONITOR MODULE

ABBREVIATIONS

A	AMPERE(S)
AIC	AMPERE INTERRUPTING CAPACITY
AC	ALTERNATING CURRENT
AF	AMP FUSE
AWG	AMERICAN WIRE GAUGE
AS	AMP SWITCH
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CONTR	CONTRACTOR
C/B	CIRCUIT BREAKER
COND	CONDUCTOR
CONN	CONNECTION
C	CONDUIT
CONT	CONTROL
ELEC	ELECTRICAL
EMER	EMERGENCY
EWC	ELECTRIC WATER COOLER
F	FUSED
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FURN	FURNISHED
G	GROUND
GFI	GROUND FAULT INTERRUPTING
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
IMC	INTERMEDIATE METAL CONDUIT
INC	INCANDESCENT
INST	INSTALLED
KVA	KILOWATTS
KVA	KILOVOLT AMPERES
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MLO	MAIN LUGS ONLY
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NF	NON FUSED
NL	NIGHT LIGHT
P	POLE
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PRI	PRIMARY
PVC	POLYVINYLCHLORIDE
REC	RECEPTACLE
RECEP	RECEPTACLE
SEC	SECONDARY
SURF	SURFACE
SWBD	SWITCHBOARD
SWBT	SOUTHWESTERN BELL TELEPHONE
SYM	SYMMETRICAL
TELE	TELEPHONE
TEMP	TEMPORARY
THD	TOTAL HARMONIC DISTORTION
TRANS	TRANSFORMER
TIB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
UH	UNIT HEATER
V	VOLTS
VA	VOLTAMPS
VTB	VIDEO TERMINAL BOARD
W	WATTS
WP	WEATHERPROOF
XFMR	TRANSFORMER

MISCELLANEOUS



PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
 HARTFORD, ILLINOIS 62049

SHEET TITLE:
ELECTRICAL SYMBOLS AND ABBREVIATIONS

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO
E1-01

NOTE

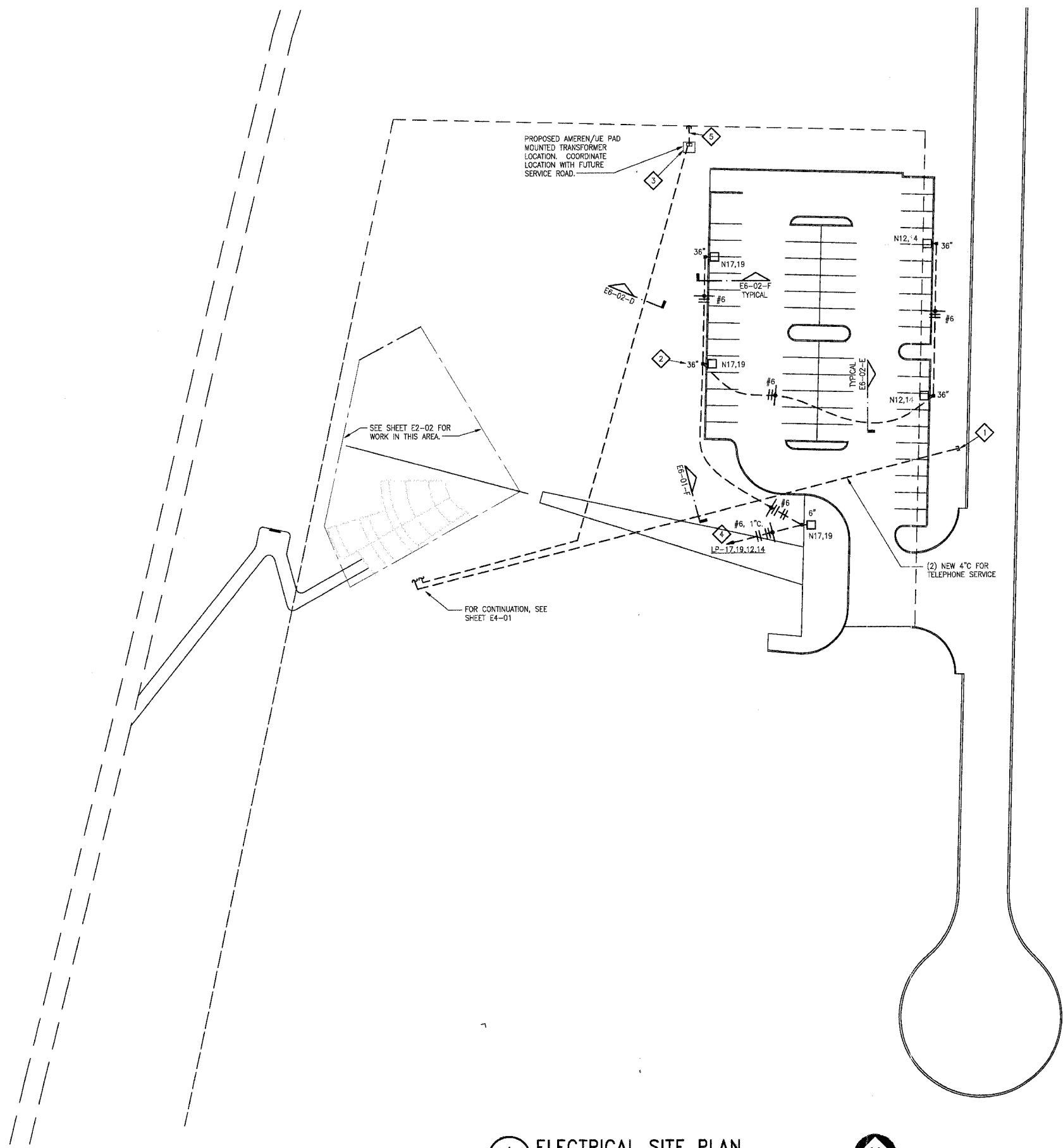
NOT ALL SYMBOLS AND ABBREVIATIONS ARE USED IN EACH PHASE OF THIS PROJECT.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	38	30

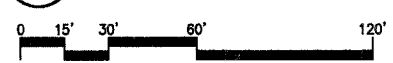
FEDERAL AID PROJECT

KEYED NOTES

- 1 CONDUIT SHALL BE EXTENDED TO PROPERTY LINE, CAPPED AND LABELED TELEPHONE, AND STAKED FOR LOCATION.
- 2 DIMENSION DENOTES HEIGHT OF CONCRETE BASE ABOVE GRADE. TYPICAL FOR ALL POLES. SEE DETAILS ON SHEET E6-02 FOR ADDITIONAL INFORMATION.
- 3 E.C. SHALL FURNISH AND INSTALL TRANSFORMER PAD. SEE DETAIL B, SHEET E6-02.
- 4 EXTEND AND CONNECT TO PANEL VIA CONTACTOR C1. SEE SHEET E4-01 FOR CONTACTOR LOCATION.
- 5 (2) 5" UNDERGROUND PVC CONDUITS FOR PRIMARY SERVICE ENTRANCE. EXTEND TO PROPERTY LINE AND CAP OFF BELOW GRADE.



A ELECTRICAL SITE PLAN
1"=30'



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**PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049**

SHEET TITLE:
**ELECTRICAL SITE
PLAN**

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO
E2-01

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	38	31

FEDERAL AID PROJECT

KEYED NOTES

- 1 QUAZITE TYPE BOX INSTALLED FLUSH IN PAVED AREA. SEE DETAIL A, SHEET E6-01 FOR ADDITIONAL INFORMATION.
- 2 (3) 1" EMPTY CONDUITS WITH PULLWIRE FOR FUTURE SITE LIGHTING CIRCUITS. EXTEND AND CONNECT CONDUITS TO PANEL LP, SEE SHEET E3-01 FOR LOCATION OF PANEL LP. EXTEND CONDUITS 10' BEYOND BUILDING LINE AND CAP OFF BELOW GRADE.
- 3 1" EMPTY CONDUIT WITH PULLWIRE FOR POWER SUPPLY WIRING TO FUTURE FLOOD LIGHT. EXTEND CONDUIT TO PANEL LP VIA RELAY PANEL.
- 4 EXTEND AND CONNECT TO PANEL VIA RELAY PANEL.
- 5 (2) 1" EMPTY CONDUITS WITH PULLWIRE FOR POWER SUPPLY WIRING TO FUTURE FOUNTAIN PUMP AND FUTURE WATER WALL PUMP.
- 6 JUNCTION BOXES FOR CONNECTION OF FUTURE EMERGENCY POWER SUPPLY. SEE DETAILS D AND E ON SHEET E6-01.

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**PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049**

SHEET TITLE
**PLAZA
LIGHTING PLAN**

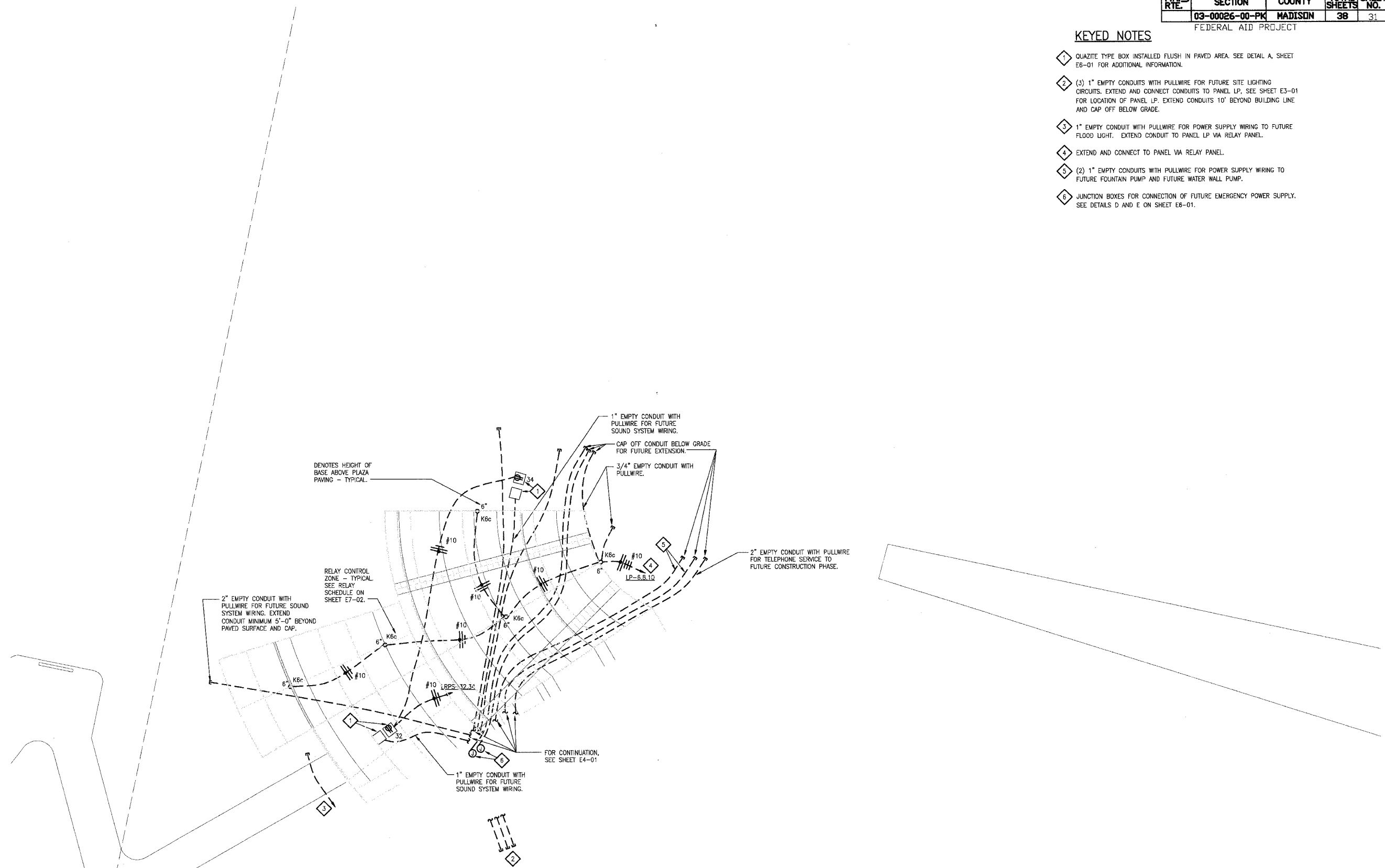
REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO
E2-02

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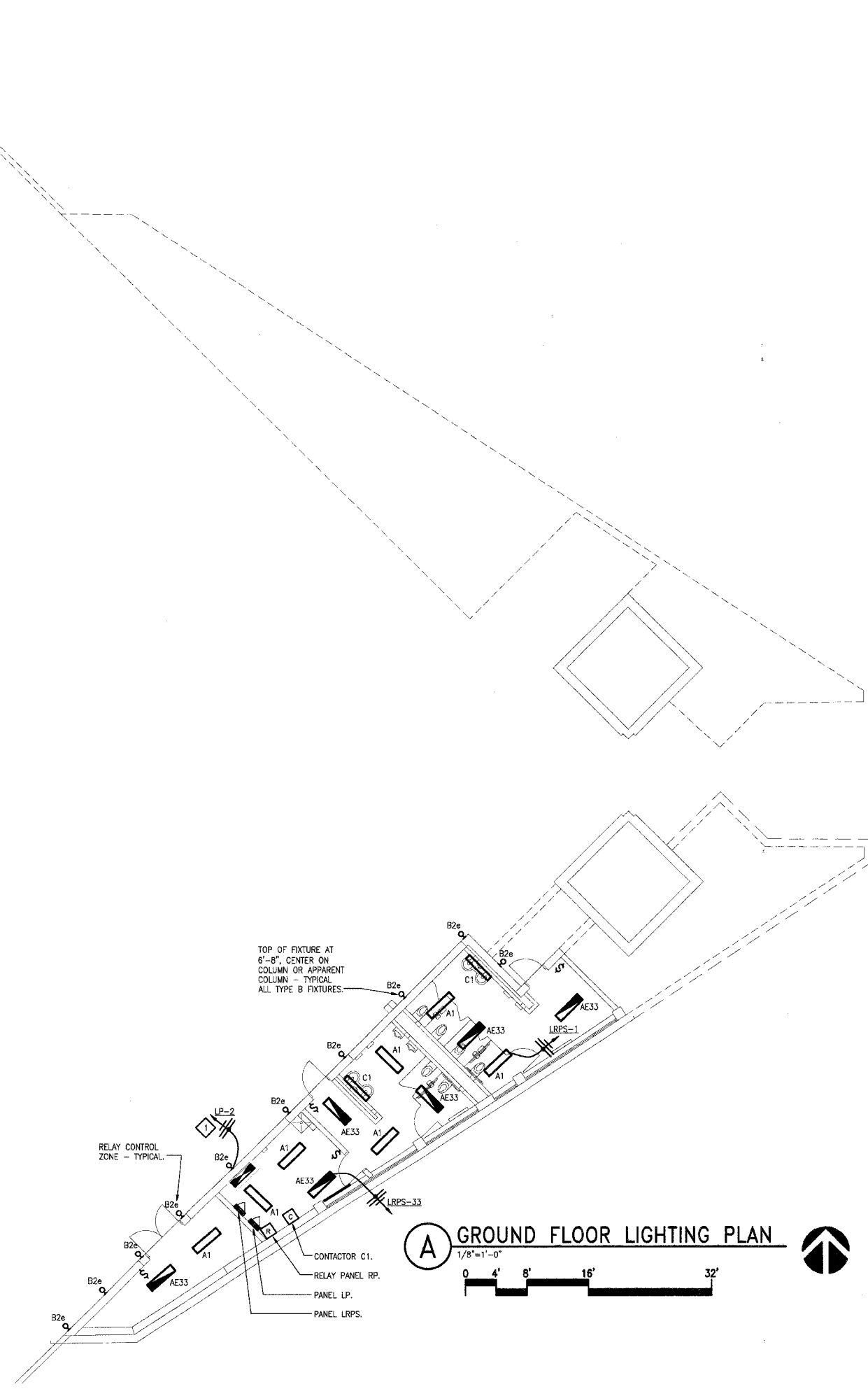
A PLAZA LIGHTING AND POWER PLAN
1/8"=1'-0"
0 4' 8' 16' 32'

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F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	38	32
FEDERAL AID PROJECT				

KEYED NOTES

1 EXTEND AND CONNECT TO PANEL VIA RELAY PANEL



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PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE:
GROUND FLOOR LIGHTING PLAN

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO
E3-01

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	38	33
FEDERAL AID PROJECT				

KEYED NOTES

- 1 E.C. SHALL FURNISH AND INSTALL FLUSH MOUNTED ENCLOSURE FOR ELECTRONIC FLUSH VALVE. SEE DETAILS B AND C, SHEET E6-01.
- 2 GFI RECEPTACLE SHALL BE LOCATED AT 22-1/2" AFF FOR ELECTRONIC FAUCETS. COORDINATE LOCATION WITH APPROVED SHOP DRAWINGS.
- 3 2" CONDUIT STUB-UPS FOR FUTURE SOUND SYSTEM.
- 4 1" EMPTY CONDUIT WITH PULLWIRE FOR FUTURE FOUNTAIN PUMP POWER SUPPLY WIRING. EXTEND CONDUIT ABOVE FLOOR AND CAP OFF.
- 5 1" EMPTY CONDUIT STUB-UPS FOR FUTURE SOUND SYSTEM.

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PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE:
GROUND FLOOR POWER PLAN

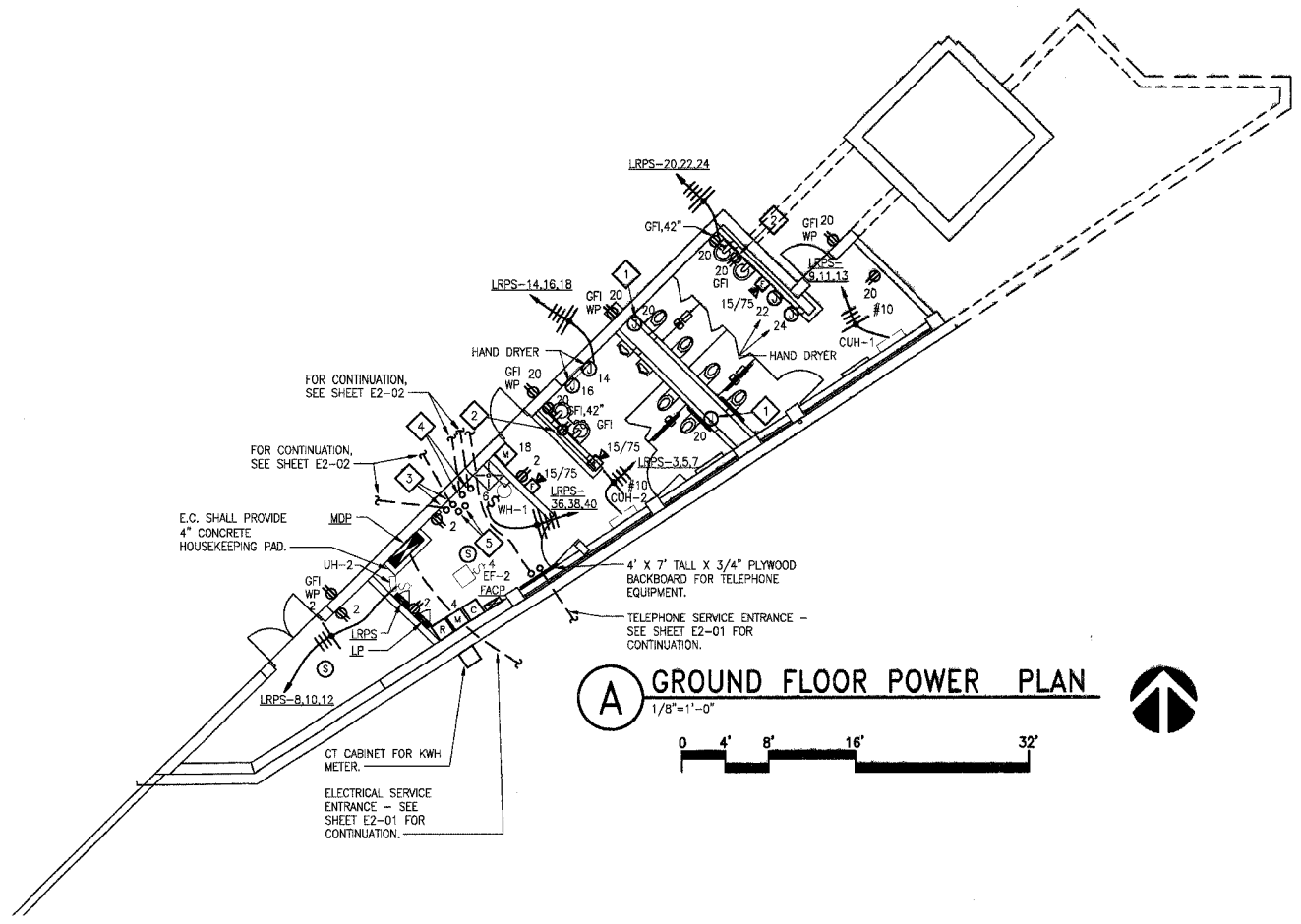
REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO
E4-01

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PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE:
ONE LINE DIAGRAM

REV. NO.	REMARKS	DATE

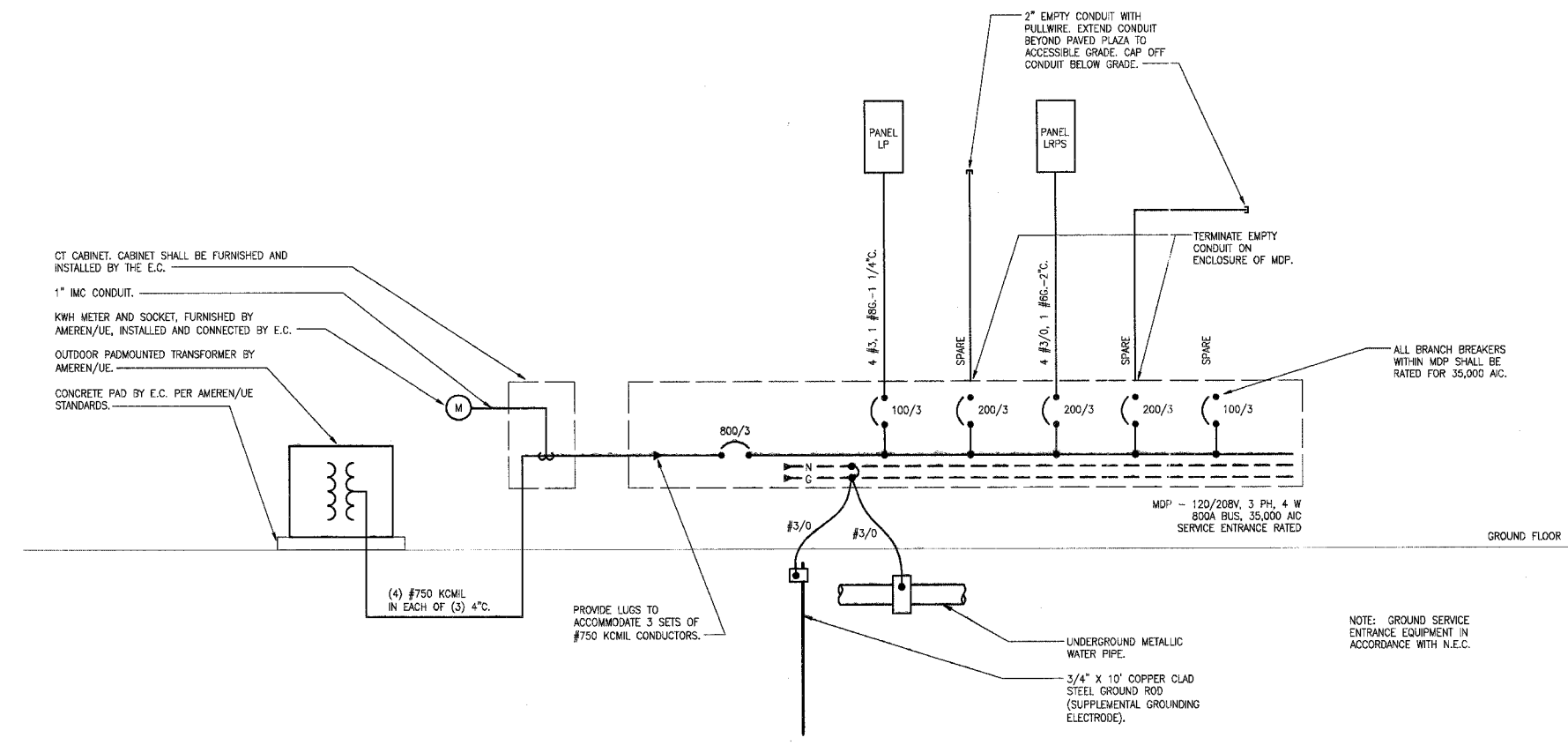
KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO

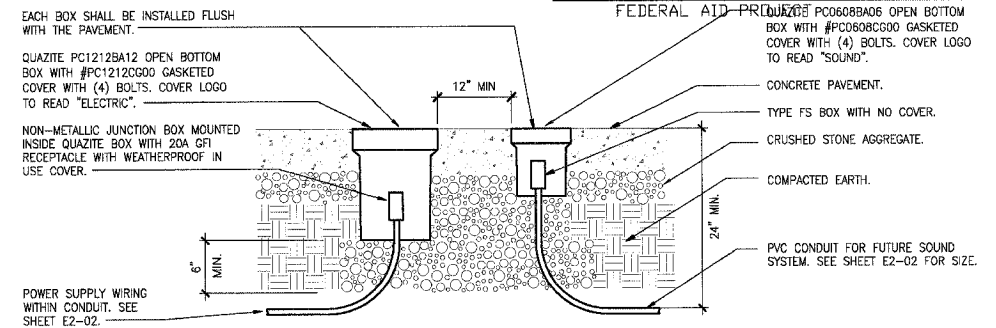
E5-01

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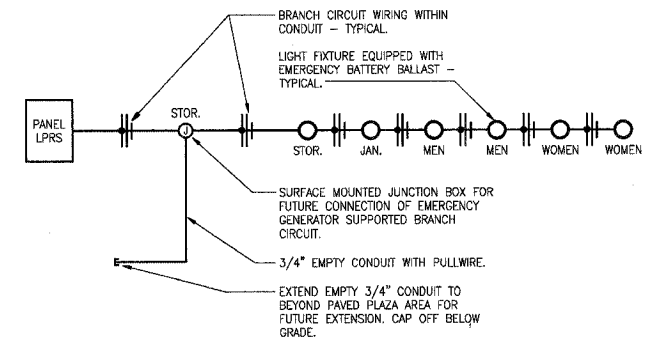


A ONE LINE DIAGRAM
NO SCALE

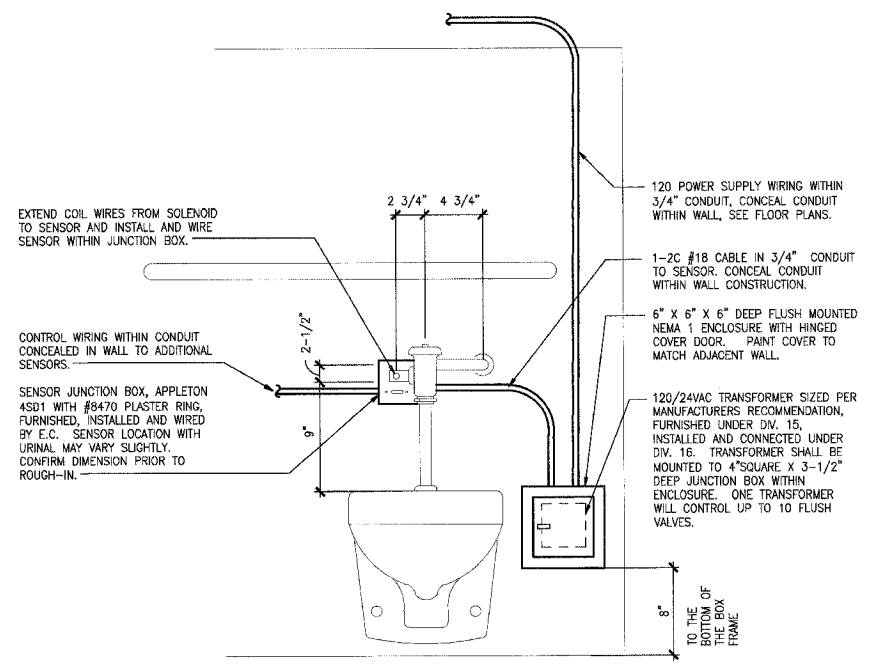
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	38	35



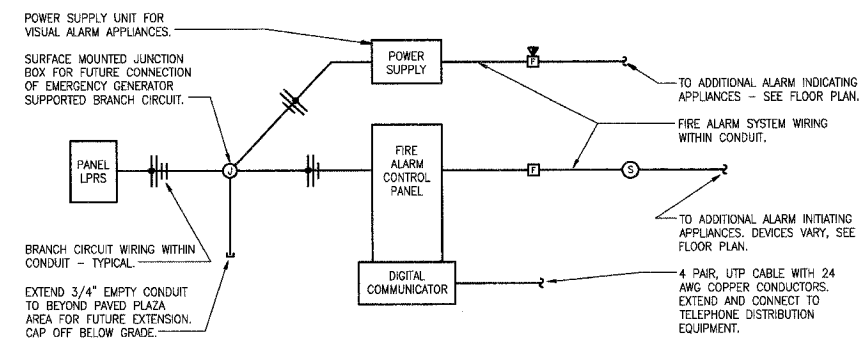
A BOXES AT PLAZA
NO SCALE



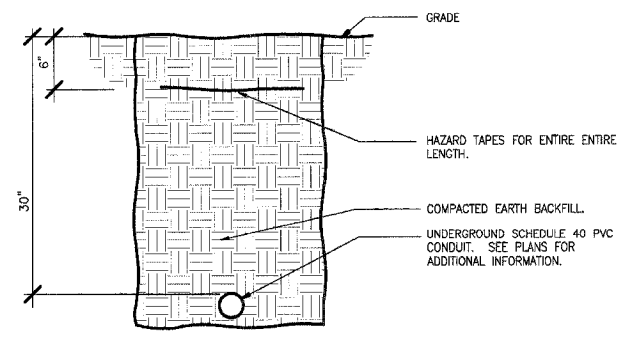
D LIFE SAFETY LIGHTING
NO SCALE



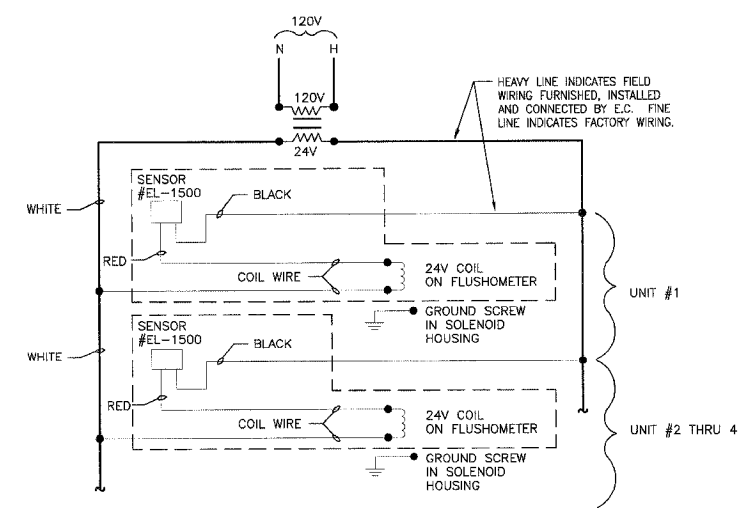
B FLUSH VALVE DETAIL FOR WATER CLOSETS AND URINALS
NO SCALE



E FIRE ALARM SYSTEM SCHEMATIC
NO SCALE



F TELEPHONE SERVICE ENTRANCE
NO SCALE



C FLUSH VALVE WIRING DIAGRAM
NO SCALE

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PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE:
ELECTRICAL DETAILS

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO
E6-01

RELAY PANEL "RP"

RELAY NUMBER	PANEL AND CIRCUIT NUMBER	RELAY CONTROL ZONE	CONTROL ZONE LOCATION	PRIMARY CONTROL SOURCE	SECONDARY CONTROL SOURCES	NOTES
1	LP-41	a	Coil in Contactor C1	PC	none	1
2	LP-41	b	Coil in Contactor C2	PC	TC	2
3	LP-6	c	South Plaza Ltg.	PC	none	3
4	LP-8	d	North Plaza Ltg.	PC	none	3
5	LP-2	e	Exterior Bldg. Ltg.	PC	none	3
6	LP-4	f	Exterior Bldg. Ltg.	PC	none	3
7	LP-2	g	Water Wall Lighting	PC	TC	2
8	LP-4	h	Water Wall Lighting	PC	TC	2
9	LP-16	j	Water Wall Lighting	PC	TC	2
10	LP-16	k	Water Wall Lighting	PC	TC	2
11	LP-20	m	Water Wall Lighting	PC	TC	2
12	LP-22	n	Water Wall Lighting	PC	TC	2
13	LP-10	p	Fountain Lighting	PC	TC	2
14	spare relay	q				
15	spare relay	r				
16	spare relay	s				
17	spare relay	t				
18	spare relay	u				
19	spare relay	v				
20	spare relay	w				
21	spare relay	x				
22	spare relay	y				
23	spare relay	z				
24	spare relay	aa				
25	space for spare relay	bb				
26	space for spare relay	cc				
27	space for spare relay	dd				
28	space for spare relay	ee				
29	space for spare relay	ff				
30	space for spare relay	gg				
31	space for spare relay	hh				
32	space for spare relay	ii				

CONTROL SOURCE LEGEND

PC = PHOTOCELL

TC = TIME CLOCK (within relay panel controller)

NOTES

Note 1 - Photocell controls coil of contactor (via relay) to turn lights "ON" and "OFF" (dusk to dawn operation).

Note 2 - Photocell controls coil of contactor (via relay) to turn lights "ON", time clock controls coil of contactor (via relay) to turn lights "OFF".

Note 3 - Photocell controls relay to turn lights "ON" and "OFF" (dusk to dawn operation).

NOTE

ALL RELAYS ARE FURNISHED WITHIN THIS PANEL UNDER THIS CONTRACT. ONLY RELAYS 3 AND 5 ARE UTILIZED UNDER THIS CONTRACT. ALL OTHER RELAYS ARE FOR FUTURE USE UNDER A SEPARATE CONTRACT.

LIGHTING FIXTURE SCHEDULE

TYPE	VOLTS	FIXTURE TYPE	MOUNTING	LAMPS	REFLECTOR/DIFFUSER	FEATURES	APPROVED MANUFACTURERS
A	120	4'x1' FLUORESCENT VANDAL RESISTANT	SURFACE - CEILING / WALL ON EXISTING ROUGH-IN IN STAIR TOWER - SEE ELEVATIONS FOR ADDITIONAL INFORMATION	(2) F32T8/TL835 PLUS/ALTO	.156 CLEAR PRISMATIC ACRYLIC LENS	16 GAUGE STEEL HOUSING, ELECTRONIC 0' START COLD WEATHER BALLAST, WHITE POWER COAT FINISH	FAILSAFE FWS-232-120-EBB1 LITHONIA DAYBRITE COLUMBIA
AE	120	4'x1' FLUORESCENT VANDAL RESISTANT WITH EMERGENCY BATTERY BALLAST	SURFACE - CEILING / WALL ON EXISTING ROUGH-IN IN STAIR TOWER - SEE ELEVATIONS FOR ADDITIONAL INFORMATION	(2) F32T8/TL835 PLUS/ALTO	.156 CLEAR PRISMATIC ACRYLIC LENS	16 GAUGE STEEL HOUSING, ELECTRONIC 0' START COLD WEATHER BALLAST, WHITE POWER COAT FINISH, BOONIE B50 EMERGENCY BATTERY BALLAST	FAILSAFE FWS-232-120-EBB1-B50 LITHONIA DAYBRITE COLUMBIA
B	120	FLUORESCENT WALL SCONCE	SURFACE - WALL	(1) PL-L 36W/830	OPAL GLASS DIFFUSER	ELECTRONIC BALLAST WITH -15' STARTING, CUSTOM COLOR AS SELECTED BY ARCHITECT	BEGA 4482P
C	120	4'x1' FLUORESCENT VANDAL RESISTANT	SURFACE - WALL	(2) F032/830/ECO	.156 CLEAR PRISMATIC ACRYLIC LENS	16 GAUGE STEEL HOUSING, ELECTRONIC 0' START COLD WEATHER BALLAST, WHITE POWER COAT FINISH	FAILSAFE FWS-232-120-EBB1 LITHONIA DAYBRITE COLUMBIA
D	120	COMPACT FLUORESCENT SURFACE DOWNLIGHT	SURFACE - CEILING	(1) PL-T 42W/830	.225 BOROSILICATE GLASS	CAST ALUMINUM HOUSING, ELECTRONIC 0' START BALLAST, BLACK FINISH, DUAL VOLTAGE BALLAST	FAILSAFE RDS-12-42CT-DT-BK LITHONIA DAYBRITE COLUMBIA
E		NOT USED					
F		NOT USED					
G		NOT USED					
H		NOT USED					
J		NOT USED					
K	120	HID LIGHT COLUMN	POLE MOUNTED	(1) CDM150/T6/830	ANODIZED ALUMINUM REFLECTOR	STAINLESS STEEL FINISH, IP66	LUMEC-SCHREDER NEC-150MH-120-SS
L		NOT USED					
M		NOT USED					
N	208	HID SITE LIGHTING LUMINAIRE	POLE MOUNTED SEE DETAILS A AND C, SHEET E6-02	(1) MH400/U	SEGMENTED ALUMINUM TYPE 3	ALUMINUM POLE, UL LISTED WET LOCATION, GASKETED, PLATINUM SILVER FINISH, HIGH POWER FACTOR BALLAST	KIM 1A-AR3-400MH208-PSP-PSA25-5188 GARDOO GULLWING INVAE
X		NOT USED					

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PHASE 2B
LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE:
LIGHTING FIXTURE
SCHEDULE

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO
E7-01

