

INDEX OF SHEETS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
STREET IMPROVEMENTS**

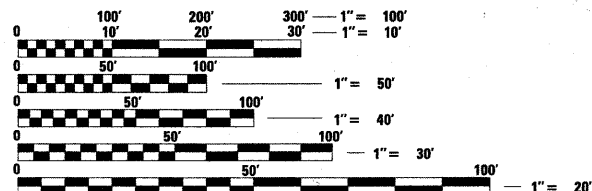
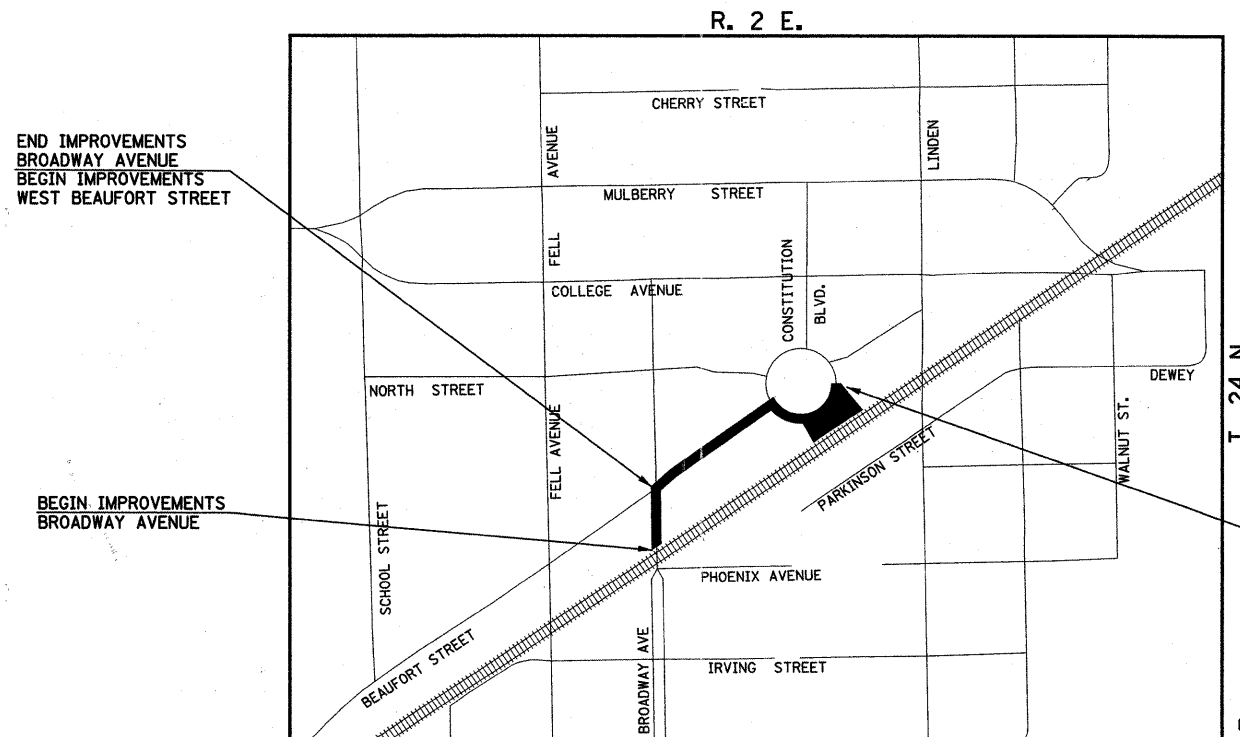
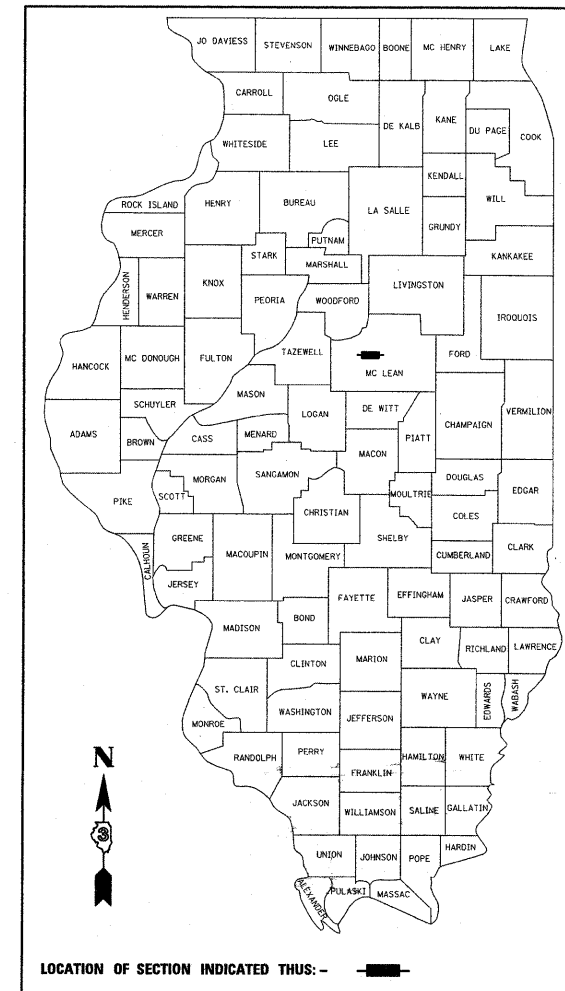
SCALES

PLAN	1 INCH = 20 FEET
PROFILE HORIZ.	1 INCH = 20 FEET
PROFILE VERT.	1 INCH = 5 FEET
CROSS SECTIONS HORIZ.	1 INCH = 10 FEET
CROSS SECTIONS VERT.	1 INCH = 5 FEET

TOWN OF NORMAL
McLEAN COUNTY, ILLINOIS
SECTION: 10-00243-02-LS
PROJECT NO. TE-00D5(096)
JOB NO. C-95-322-11
FUNDING: ENHANCEMENT & LOCAL MATCH
UPTOWN NORMAL GATEWAY PLAZA

ILLINOIS HIGHWAY STANDARD DRAWINGS
(SEE SHEET NO. 3)

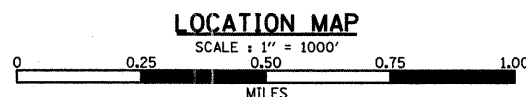
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00243-02-LS	MCLEAN	40	1
		ILLINOIS	CONTRACT NO. 91461	



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

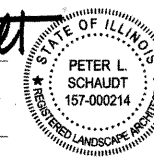
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123 OR 811

CONTRACT NO. 91461

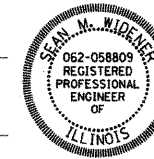


END IMPROVEMENTS
WEST BEAUFORT STREET

Peter L. Schaudt
LANDSCAPE ARCHITECT
HOERR SCHAUDT
SHEET 11 TO 40
DATE: 4.22.11
LICENSE EXPIRES 8-31-11



Sean M. Widener
PROFESSIONAL ENGINEER
CLARK DIETZ, INC.
SHEET 1 TO 10
DATE: 4.22.11
LICENSE EXPIRES 11-30-11



TOWN OF NORMAL

APPROVED April 22 2011
Jane C. Blum
TOWN ENGINEER

PASSED 5/16 2011
[Signature]
DISTRICT FIVE ENGINEER OF
LOCAL ROADS & STREETS

Releasing For
Bid Based on
Limited Review
MBW 18 2011
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS,
REGION THREE ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

Clark Dietz
ENGINEERS
125 WEST CHURCH STREET
CHAMPAIGN, IL 61820
PHONE : 217.373.8900
FAX : 217.373.8923

PROJECT GENERAL NOTES

- WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED ON JANUARY 1, 2007.
- WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS FOR SEWER CONSTRUCTION" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" AS PREPARED BY I.S.P.E., A.C.C.I., I.M.L., AND U.C.A., ADOPTED MAY 1996.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON SHEET 3.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.
- THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
- THE CONTRACTOR SHALL TAKE CARE NOT TO STORE OR DISPOSE OF DEBRIS OR UNSUITABLE MATERIALS WITHIN LIMITS OF THE IMPROVEMENT AND TAKE CARE TO LIMIT CONSTRUCTION TO WITHIN THE RIGHT-OF-WAY AND EASEMENT AREAS. UNNECESSARY ENCROACHMENTS ONTO PRIVATE OR PUBLIC AREAS WILL NOT BE ALLOWED.
- WHERE SECTION OR SUBSECTION MONUMENTS, BENCHMARKS, OR IRON PIPE MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN ILLINOIS REGISTERED LAND SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN ILLINOIS REGISTERED LAND SURVEYOR RE-ESTABLISH ANY MONUMENTS UNNECESSARILY DESTROYED BY HIS OPERATIONS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
- UTILITY OWNERS:

TOWN OF NORMAL 100 E. PHOENIX AVE. NORMAL, ILLINOIS 61761 (309)-454-9574	MCLEOD USA 102 EAST SHAFFER ST. FORSYTH, ILLINOIS ZIP 62535 (217) 876-7194
AMEREN IP 501 E. LAFAYETTE ST. BLOOMINGTON, ILLINOIS 61702 (309) 823-9271	VERIZON 2319 W. MARKET ST. BLOOMINGTON, ILLINOIS 61704 (309) 663-3144
NICOR GAS 1844 FERRY ROAD NAPERVILLE, ILLINOIS 60563 (888) 642-6748	COMCAST 1202 W. DIVISION STREET NORMAL, ILLINOIS 61761 (309) 827-4396
- THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A SPECIAL FRAME AND LID ARE TAKEN ADJACENT TO THE PAVEMENT OR GROUND SURFACE.
- WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND STRUCTURES, THE LOCATION AND ELEVATION OF THE EXISTING PIPING SHALL BE FIELD VERIFIED AND NOTIFICATION GIVEN TO THE ENGINEER IF THE EXISTING PIPING IS FOUND TO BE DIFFERENT THAN THAT SHOWN ON THE DRAWINGS. WHERE SUCH DISCREPANCY IS FOUND, WORK SHALL NOT PROCEED UNTIL DIRECTED ACCORDINGLY BY THE ENGINEER.
- WHEN PROPOSED STORM SEWERS ARE TO BE CONNECTED INTO EXISTING MANHOLES OR EXISTING STORM SEWERS THE CONNECTIONS SHALL BE MADE IN A WORKMANLIKE MANNER AND MASONRY CONSTRUCTED AROUND THEM SO AS TO PREVENT LEAKAGE. THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING DRAINAGE STRUCTURE OR PIPING SHALL BE CONSIDERED WITHIN THE CONTRACT UNIT PRICE FOR THE NEW SEWER.
- EXISTING PAVEMENTS, CURBS AND GUTTERS, AND SIDEWALKS IN WHICH THE TOP SURFACE IS TO BE JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH SAW CUT JUNCTURES. 3/4" EXPANSION JOINT MATERIAL SHALL BE PLACED AT THESE JUNCTURES AS DIRECTED BY THE ENGINEER.
- WHERE THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER JOINS THE EXISTING CURB AND GUTTER, A TRANSITION MAY BE REQUIRED IN THE SHAPE OF THE PROPOSED CURB AND GUTTER. THIS WORK SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR THE PROPOSED CURB AND GUTTER.
- THE TOWN OF NORMAL SHALL BE RESPONSIBLE FOR NOTIFYING THE PUBLIC, THE UNITED STATES POSTAL SERVICE, AND THE EMERGENCY SERVICE AGENCIES OF ALL ROAD CLOSURES AND CHANGES IN THE TRAFFIC CONTROL PLANS. THE CONTRACTOR SHALL NOTIFY THE TOWN OF NORMAL OF ALL ROAD CLOSURES AND DETOURS A MINIMUM OF 48 HOURS IN ADVANCE OF ANY ROAD CLOSURES OR CHANGES SO THAT NOTIFICATION CAN BE GIVEN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF THE SITE PRIOR TO FINAL ACCEPTANCE IN ACCORDANCE WITH ARTICLE 104.06 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL INCLUDE CLEANING ALL DRAINAGE FACILITIES OF FOREIGN MATERIALS IN ACCORDANCE WITH ARTICLE 602.15 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- FOR THIS CONTRACT, DESIGNATED REPRESENTATIVES OF THE ENGINEER MAY INCLUDE THE PROJECT LANDSCAPE ARCHITECT AND/OR TOWN OF NORMAL PARKS AND RECREATION STAFF.
- THE FOLLOWING FACTORS HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

AGGREGATE MATERIALS 2.05 TONS/CU/YD
HOT-MIX ASPHALT (ALL TYPES) 112 LBS/SQ YD/IN THICK

REMOVAL GENERAL NOTES

- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY UNNECESSARY DAMAGE TO TREES, SHRUBS, IRRIGATION SYSTEMS, OR LANDSCAPING AS DETERMINED BY THE ENGINEER.
- TREES TO BE REMOVED: THE INDICATED TREES (INCLUDING STUMPS) TO BE REMOVED SHALL BE SUITABLY MARKED BY THE ENGINEER BEFORE TREE REMOVAL OPERATIONS BEGIN. ALL TREES, STUMPS, AND ROOTS SHALL BE COMPLETELY REMOVED AND DISPOSED OF. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TREE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL EXISTING SIGNS LOCATED ON PUBLIC RIGHT-OF-WAY WHICH INTERFERE WITH THE WORK SHALL BE REMOVED BY THE TOWN OF NORMAL UNLESS DIRECTED OTHERWISE BY THE ENGINEER. THE TOWN WILL REMOVE AND REPLACE ANY SIGN INSTALLATION AT NO CHARGE TO THE CONTRACTOR PROVIDING THE CONTRACTOR PROVIDES THE ENGINEER WITH NOT LESS THAN TWO (2) WORKING DAYS NOTICE FOR SIGN REMOVAL. THE ENGINEER WILL NOTIFY THE TOWN OF NORMAL FOR SIGN REMOVAL ALONG THE SIDE ROADS. ANY CONTRACTOR OR PRIVATE PARTY REMOVING ANY SIGN WILL BE BILLED FOR THE REPLACEMENT COSTS ASSOCIATED WITH THE REINSTALLATION OF THE SIGN AND MAY BE CHARGED WITH VIOLATION OF ILLINOIS VEHICLE CODE 11-311.
- THE EXCAVATION FOR THIS PROJECT IS CLASSIFIED AS EARTH EXCAVATION IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS. THE EARTH EXCAVATION SHALL INCLUDE THE REMOVAL OF EARTH AND UNCLASSIFIED MATERIALS, AND THE TRANSPORTATION AND PLACEMENT OF SUITABLE EXCAVATED MATERIALS IN EMBANKMENTS. THE REMAINING EXCAVATION IS CLASSIFIED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, CURB REMOVAL, PAVEMENT REMOVAL, DRIVEWAY PAVEMENT REMOVAL, AND SIDEWALK REMOVAL.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS APPROVED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
- THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL AS SHOWN ON THE LANDSCAPING PLANS.
- ONLY EXISTING PAVEMENT, BASE COURSES AND DRIVEWAY PAVEMENTS COMPOSED OF PORTLAND CEMENT CONCRETE OR HOT-MIX ASPHALT SHALL BE MEASURED AND PAID FOR AS "PAVEMENT REMOVAL" AND "DRIVEWAY PAVEMENT REMOVAL" IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS. REMOVAL OF OTHER TYPES OF PAVEMENT COMPOSITION SUCH AS AGGREGATE OR OIL AND CHIP SHALL BE MEASURED AND PAID FOR AS "EARTH EXCAVATION" IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS.

MAINTENANCE OF TRAFFIC GENERAL NOTES

- TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION; THE APPLICABLE GUIDELINES CONTAINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, STANDARDS 701301, 701501, 701701, 701801, AND 701901. THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC DETAILS AND THE SPECIAL PROVISIONS.
- TRAFFIC CONTROL AND PROTECTION WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL). THE TRAFFIC CONTROL AND PROTECTION INSTALLATION FOR EACH WORK AREA WILL NOT BE PAID FOR SEPARATELY AND ADDITIONAL TRAFFIC CONTROL DEVICES AND SIGNS MAY BE REQUIRED AS DETERMINED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- TRAFFIC CONTROL SURVEILLANCE WILL NOT BE PAID FOR SEPARATELY FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL TRAFFIC CONTROL DEVICES AT ALL TIMES INCLUDING NIGHTTIME, WEEKENDS, AND ANY TIME WORKERS ARE NOT PRESENT. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RECURRING SPECIAL PROVISION LRS3. THE COST OF ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR THE INSPECTION AND MAINTENANCE OF THE TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC CONTROL FOR THIS PROJECT.

STANDARD	APPLICATION
701301	SHORT TERM LANE CLOSURE FOR LANDSCAPING WORK, DEBRIS CLEAN UP, ETC.
701501 & 701701	LANE CLOSURE FOR LANDSCAPING WORK
701801	SIDEWALK CLOSURES WITHIN PROJECT LIMITS
701901	TRAFFIC CONTROL DEVICES

- SIDEWALKS (INCLUDING CONSTITUTION TRAIL) SHALL REMAIN OPEN AT ALL TIMES. PARTIAL CLOSURES WILL BE ALLOWED AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN A MINIMUM SIDEWALK WIDTH OF FOUR FEET (4') FOR PEDESTRIAN TRAFFIC. ACCESS TO BUSINESSES SHALL REMAIN OPEN AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE II BARRICADE USED. (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL) AND A MINIMUM OF FOUR (4) WEIGHTED SAND BAGS ON EACH TYPE III BARRICADES USED.

LANDSCAPING GENERAL NOTES

- ACTUAL LAYOUT OF PLANTINGS AS INDICATED IN THE LANDSCAPING PLANS ARE APPROXIMATE, THE ENGINEER OR DESIGNATED REPRESENTATIVE SHALL CONFIRM ALL PLANT LOCATIONS WITH THE CONTRACTOR PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH THE SURFACE AND SUB-SURFACE CONDITIONS AND SHALL NOT PROCEED WITH WORK UNTIL ALL UNSATISFACTORY CONDITIONS ARE CORRECTED. PLANTS MAY NOT BE INSTALLED INTO SATURATED OR FROZEN SOILS, OR DURING INCLIMATE WEATHER SUCH AS RAIN, SNOW, OR EXCESSIVELY WINDY CONDITIONS.
- CONTRACTOR SHALL BE AWARE OF EXISTING IRRIGATION SYSTEMS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY UNNECESSARY DAMAGES AS DETERMINED BY THE ENGINEER. IF DAMAGES OCCUR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING THE IRRIGATION TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE. NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE USE OF THE EXISTING AND PROPOSED IRRIGATION SYSTEMS WILL BE ALLOWED FOR WATERING THE PLANTS AFTER INSTALLATION AND SHALL BE COORDINATED WITH THE TOWN OF NORMAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING ALL PLANTING AREAS AND NOTIFYING JULIE (1-800-892-0123) PRIOR TO EXCAVATION TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES TO AVOID POSSIBLE DAMAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PREPARATION OF THE SITE AND INSTALLATION OF PLANTS IN ACCORDANCE WITH THE SPECIAL PROVISIONS, INCLUDING PROTECTION OF PLANTS AND MATERIALS DURING CONSTRUCTION AND THE GUARANTEE PERIODS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINISHING OF THE AREA, INCLUDING MULCHING, WEED CONTROL, WATERING, AND CLEAN UP IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANTS IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PREPARATION, QUALITY ASSURANCE, AND CARE OF PLANTS BEFORE INSTALLATION, IN ACCORDANCE WITH THE SPECIAL PROVISIONS. PLANTS SHALL BE SUBJECT TO PRE-DELIVERY INSPECTIONS AND APPROVALS AND IN THE CASE OF REJECTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OR SUBSTITUTION WITH WRITTEN APPROVAL BY THE ENGINEER.
- ALL DISTURBED AREAS SHALL BE SODDED, SEEDDED, OR LANDSCAPED AS SHOWN ON THE LANDSCAPE PLANS. EXISTING TURF WHICH IS DAMAGED OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE RE-ESTABLISHED WITH SOD AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

SURVEY NOTES

THE TOPOGRAPHIC SURVEY AND EXISTING RIGHT-OF-WAY CONFIGURATIONS FOR THIS PROJECT, INCLUDING THE VERTICAL DATUM, WERE PROVIDED BY THE FARNSWORTH GROUP, BLOOMINGTON, IL. SEE THE BENCHMARK AND CONTROL POINT LOCATION MAP SHEET FOR THE BENCHMARK ELEVATIONS AND DESCRIPTIONS.

THE UTILITIES SHOWN WERE LOCATED FROM A COMBINATION OF FIELD INFORMATION AND INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES AND THE TOWN OF NORMAL ENGINEERING DEPARTMENT. THE EXACT LOCATION OF SAID UTILITIES SHOULD BE VERIFIED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION OPERATIONS.

THE COORDINATES AND ELEVATIONS ARE BASED ON THE LOCAL CONTROL MONUMENTS ESTABLISHED BY AERO-METRIC ENGINEERS, INC., SHEBOYGAN, WISCONSIN. THE CONTROL WAS ESTABLISHED IN 1995 AS A PART OF THE ORIGINAL MCLEAN COUNTY AERIAL USED FOR THE MCLEAN COUNTY GIS SYSTEM.

EXISTING FIELD CONDITIONS

DUE TO ONGOING DEVELOPMENT IN THE VICINITY OF THIS PROJECT, THE EXISTING TOPOGRAPHIC FEATURES MAY BE DIFFERENT FROM THE FEATURES SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CHANGED FIELD CONDITIONS THAT ARE DISCOVERED PRIOR TO PERFORMING THE WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO CHANGED FIELD CONDITIONS.

FILE NAME =
p:\N0240094\Plans\sheets\ 03 GENERAL NOTES.dgn
PLOT DATE =
4/22/2011 11:12:57 AM

DESIGNED - K.L.R.	REVISED -
DRAWN - K.L.R.	REVISED -
CHECKED - S.M.W.	REVISED -
DATE - 4-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE : NONE SHEET NO. 2 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00243-02-LS	MCLEAN	40	2
CONTRACT NO. 91461				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ILLINOIS HIGHWAY STANDARD DRAWINGS

000001-06 STANDARDS SYMBOLS, ABBREVIATIONS, AND PATTERNS
 701301-04 LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
 701501-06 URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
 701701-07 URBAN LANE CLOSURE, MULTILANE INTERSECTION
 701801-04 LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
 701901-01 TRAFFIC CONTROL DEVICES

LEGEND

EXISTING		PROPOSED	EXISTING	PROPOSED
—W—	WATER LINE	—W16"—	△	MONUMENT
—G—	GAS LINE		•	IRON PIN/PIPE FOUND
—OHE—	OVERHEAD ELECTRIC		⊠	RIGHT-OF-WAY MARKER
—UGE—	UNDERGROUND ELECTRIC		⊕	SOIL BORING
—OHT—	OVERHEAD TELEPHONE		⊠	TRAFFIC SIGNAL CONTROL BOX
—UGT—	UNDERGROUND TELEPHONE		⊠	TRAFFIC SIGNAL POST
—CATV—	CABLE TELEVISION		⊠	TRAFFIC SIGNAL MAST ARM
—COM—	COMMUNICATION LINE		⊕	PEDESTRIAN PUSH BUTTON POST
—FO—	FIBER OPTIC LINE		⊠	TRAFFIC SIGNAL HANDHOLE
—STM—	STEAM LINE		⊕	TRAFFIC SIGNAL JUNCTION BOX
—	FORCE MAIN		⊠	RR CROSSING GATE
—)	SANITARY SEWER	—)	⊠	RR FLASHING SIGNAL
—>	STORM SEWER	—>	⊠	RR CROSSBUCK
—+>	STORM SEWER WATER MAIN QUALITY	—+>	⊠	STREET SIGN
⊠	INLET OR CATCH BASIN	•	⊠	TRAFFIC SIGN
⊠	MANHOLE	⊠	⊠	DELINEATOR
⊠	UTILITY WARNING SIGN		⊠	PARKING LOT LIGHT
⊠	SERVICE BOX SHUTOFF		⊠	YARD LIGHT
⊠	VALVE		⊠	MAILBOX
⊠	WATER MANHOLE		⊠	PARKING METER
⊠	WATER METER		⊠	IRRIGATION CONTROL BOX
⊠	FIRE HYDRANT	•	⊠	IRRIGATION HEAD
⊠	GAS METER		⊠	TANK FILLER CAP
⊠	GAS REGULATOR		⊠	INSPECTION WELL
⊠	GAS VENT PIPE		⊠	CLEANOUT
⊠	ELECTRIC MANHOLE		⊠	DOWNSPOUT
⊠	ELECTRIC METER		⊠	BOLLARD
⊠	ELECTRIC PEDESTAL		⊠	FENCE POST
⊠	ELECTRIC JUNCTION BOX		⊠	GATE POST
⊠	POWER POLE		⊠	FLAG POLE
⊠	POWER POLE W/LIGHT		⊠	FLOOD LIGHT
⊠	POWER POLE W/TRANSFORMER		⊠	TREE STUMP
⊠	ROADWAY LIGHT CONTROLLER	⊠	⊠	BUSH
⊠	ROADWAY STREET LIGHT	⊠	⊠	CONIFEROUS TREE
⊠	ORNAMENTAL STREET LIGHT		⊠	DECIDUOUS TREE
⊠	GUY POLE		⊠	PROPERTY PARCEL NUMBER
⊠	GUY WIRE		⊠	HOUSE ADDRESS NUMBER
⊠	TELEPHONE POLE		⊠	
⊠	TELEPHONE MANHOLE		⊠	
⊠	TELEPHONE PEDESTAL		⊠	
⊠	PEDESTAL PAY PHONE		⊠	
⊠	PHONE BOOTH		⊠	

SEE DRAINAGE AND LANDSCAPE PLAN SHEETS FOR LEGEND ITEMS SPECIFIC TO THE RESPECTIVE SHEETS

FILE NAME = p:\N0240094\Plans\sheets\ 02 STANDARDS AND LEGEND.dgn	DESIGNED - K.L.R.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHWAY STANDARDS AND LEGEND			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE = 4/22/2011 11:13:13 AM	DRAWN - K.L.R.	REVISED -		SCALE : NONE	SHEET NO. 3 OF 40 SHEETS	STA.	TO STA.	10-00243-02-LS	MCLEAN	40	3
	CHECKED - S.M.W.	REVISED -									
	DATE - 4-11	REVISED -									
							CONTRACT NO. 91461		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION CODE	UNIT	0031		0031	
				TOTAL QUANTITY	100% LOCAL (US DOT TIGER) QTY	80% ITEP 20% LOCAL QTY	
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)		UNIT	6	6		
* 20101000	TEMPORARY FENCE		FOOT	1000	1000		
20200100	EARTH EXCAVATION		CU YD	1400	1400		
* 20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL		CU YD	140	140		
* 21000300	GRANULAR EMBANKMENT, SPECIAL		TON	287	287		
△ 25200110	SODDING, SALT TOLERANT		SQ YD	426	426		
△ 25200200	SUPPLEMENTAL WATERING		UNIT	7	7		
28000400	PERIMETER EROSION BARRIER		FOOT	200	200		
28000510	INLET FILTERS		EACH	19	19		
35101800	AGGREGATE BASE COURSE, TYPE B 6"		SQ YD	1493	1493		
* 40201000	AGGREGATE FOR TEMPORARY ACCESS		TON	20	20		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING		TON	24	24		
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH		SQ FT	7966	7966		
* 44000100	PAVEMENT REMOVAL		SQ YD	622	622		
44000300	CURB REMOVAL		FOOT	230	230		
44000600	SIDEWALK REMOVAL		SQ FT	5426	5426		
* 50901760	PIPE HANDRAIL		FOOT	66	66		
* 60100915	PIPE DRAINS 6"		FOOT	35	35		
* 60107700	PIPE UNDERDRAINS 6"		FOOT	642	642		
60255500	MANHOLES TO BE ADJUSTED		EACH	6	6		
60257900	MANHOLES TO BE RECONSTRUCTED		EACH	1	1		
* 60600505	CONCRETE CURB (SPECIAL)		FOOT	106	106		
67100100	MOBILIZATION		LSUM	1	1		
△ 81012100	CONDUIT IN TRENCH, 1/2" DIA. PVC		FOOT	925	925		
△ 81012200	CONDUIT IN TRENCH, 3/4" DIA., PVC		FOOT	370	370		
△ 81013200	CONDUIT IN TRENCH, 6" DIA., PVC		FOOT	250	250		
△ 81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12		FOOT	1930	1930		
△ 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10		FOOT	175	175		
△ * 81900302	TRENCH AND BACKFILL WITH SCREENINGS OR SAND		FOOT	1545	1545		
△ * K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT		UNIT	8.21		8.21	
△ * K1003455	LANDSCAPE FILL SOIL		CU YD	219	219		
△ * K1005481	SHREDDED BARK MULCH 3"		SQ YD	130	130		
△ * X0321766	LIGHT POLE, SPECIAL (DECORATIVE ORNAMENTAL)		EACH	1	1		
* X0323407	FLAG POLES		EACH	1	1		
△ * X0323950	LUMINAIRE, METAL HALIDE, 175 WATT		EACH	1	1		
* X0325586	MOW STRIP		SQ YD	8	8		
△ * X0327066	IN GRADE FIXTURE FOR UPLIGHTING		EACH	16	16		

• SEE SPECIAL PROVISIONS
 △ SPECIALTY ITEMS

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION CODE	UNIT	0031		
				TOTAL QUANTITY	100% LOCAL (US DOT TIGER) QTY	80% ITEP 20% LOCAL QTY
△ * X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL		CU YD	392	392	
* X6023508	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE		EACH	2	2	
* X6024503	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE (SPECIAL)		EACH	4	4	
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)		LSUM	1	1	
△ * X8360120	LIGHT POLE FOUNDATION, SPECIAL		EACH	1	1	
△ * X8950130	MODIFY EXISTING LIGHTING CONTROLLER		EACH	1	1	
△ * X8950205	REBUILD EXISTING HANDHOLE, SPECIAL		EACH	1	1	
* XX000300	CONCRETE STEPS		SQ FT	467	467	
* XX001244	RETAINING WALL		FOOT	153	153	
* XX003219	UNIT PAVERS		SQ FT	5470	5470	
△ * XX003885	IRRIGATION SYSTEM		LSUM	1	1	
* XX003995	INTERLOCKING CONCRETE PAVERS		SQ FT	4364	4364	
△ * XX005022	LANDSCAPING PLANTERS		LSUM	1	1	
△ * XX005735	PLANTER CURB		FOOT	32	32	
* XX006188	REMOVE AND RE-ERECT SEGMENTAL BLOCK RETAINING WALL		SQ FT	160	160	
△ * XX006570	TREES (SPECIAL)		EACH	10		10
△ * XX006677	TREE WELL		EACH	158		158
△ * XX006901	TREE GRATE ASSEMBLY, COMPLETE		EACH	8		8
△ * XX007469	UPLIGHTS		EACH	3	3	
* XX007857	TRASH RECEPTACLE, FURNISH & INSTALL		EACH	1	1	
* XX007860	AGGREGATE BASE COURSE, SPECIAL		SQ YD	485	485	
* XX008159	PORTLAND CEMENT CONCRETE BAND FOR PAVER BRICKS		FOOT	1211	1211	
△ * XX008207	LIGHTS, PEDESTRIAN		EACH	15	15	
* Z0003855	BICYCLE RACKS		EACH	6	6	
* Z0004002	BOLLARDS		EACH	29	29	
* Z0013798	CONSTRUCTION LAYOUT		LSUM	1	1	
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE		LSUM	1	1	
* Z0050600	REMOVE AND RESET ORNAMENTAL FENCE		FOOT	110	110	
* XX008553	RETAINING WALL, SPECIAL		FOOT	54	54	
* XX008554	CONCRETE SEATWALL WITH BENCH		LSUM	1	1	
△ * Z1200148	CONDUIT EMBEDDED IN STRUCTURE, 1/2" DIA., PVC		FOOT	150	150	
△ * Z1702101	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 14		FOOT	130	130	
△ * K0012995	PERENNIAL PLANTS, ORNAMENTAL TYPE, 5-GALLON POT		UNIT	0.49		0.49

* SEE SPECIAL PROVISIONS
 △ SPECIALTY ITEMS

FILE NAME = p:\N0240094\Plans\sheets\ 04 S00.dgn	DESIGNED - K.L.R.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - K.L.R.	REVISED -							10-00243-02-LS	MCLEAN	40	5	
PLOT DATE = 5/10/2011 2:16:34 PM	CHECKED - S.M.W.	REVISED -	SCALE : NONE		SHEET NO. 5 OF 40 SHEETS	STA.	TO STA.	CONTRACT NO. 91461					
	DATE - 4-11	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

SCHEDULE OF QUANTITIES

CANOPY TREES							
Botanic Name	Common Name	Size	Spacing	Mature Size	Unit	Quantities	Notes
Gymnocladus dioicus-Male	Kentucky Coffeetree-Male	9" caliper			EACH	1	Spring Dig Only
		11" caliper			EACH	1	Spring Dig Only
Quercus Bicolor	Swamp White Oak	4" caliper			EACH	5	
Ulmus x frontier	Frontier Elm	5" caliper			EACH	3	

DECIDUOUS SHRUBS						LOCATION		TOTAL QTY.
Botanic Name	Common Name	Size	Spacing	Mature Size	Unit	East Island	Broadway Ave.	
Weigela florida 'Minuet'	Minuet Weigela	24" (5 gal.)	30"	3'h x 3's	EACH	10	16	26

EVERGREEN SHRUBS						LOCATION		TOTAL QTY.
Botanic Name	Common Name	Size	Spacing	Mature Size	Unit	East Island	Broadway Ave.	
Buxus 'Green Velvet'	Green Velvet Boxwood	24" (5 gal.)	48"	3'h x 5's	EACH		14	14
Buxus 'Green Velvet'	Green Velvet Boxwood	36" (5 gal.)	48"	3'h x 5's	EACH	6	3	9

GRASSES						LOCATION		TOTAL QTY.
Botanic Name	Common Name	Size	Spacing	Mature Size	Unit	East Island	Broadway Ave.	
Helitotrichon sempervirens 'Sapphire'	Sapphire Blue Oat Grass	#1 cont.	18"	18"h x 18"s	EACH	20	21	41

GROUND COVER						LOCATION		TOTAL QTY.
Botanic Name	Common Name	Size	Spacing	Mature Size	Unit	East Island	Broadway Ave.	
Liriope muscari 'Big Blue'	Big Blue' Lily-turf	#1 cont.	12" o.c.	12"h x 18"s	EACH	Varies	Varies	780

SODDING, SALT TOLERANT (25200110)

LOCATION	SQ YD
WEST ISLAND (PLAZA)	258
EAST ISLAND (PLAZA)	142
TIERED PLANTER	26
TOTAL	426

PIPE UNDERDRAINS 6" (60107700)

LOCATION	FOOT
WEST ISLAND (PLAZA)	364
EAST ISLAND (PLAZA)	278
TOTAL	642

AGGREGATE BASE COURSE, SPECIAL (XX007860)

LOCATION	SQ YD
UNDER PVIOUS PAVERS	485
TOTAL	485

TREE WELL (XX006677)

LOCATION	EACH
UPTOWN CIRCLE	90
BEAUFORT ST.	68
TOTAL	158

LANDSCAPE FILL SOIL (K1003455)

LOCATION	CU YD
VARIOUS LOCATIONS (SEE PLANS)	219
TOTAL	219

AGGREGATE BASE COURSE, TYPE B 6" (35101800)

LOCATION	SQ YD
UNDERNEATH SIDEWALK (SEE DETAILS)	885
UNDERNEATH UNIT PAVERS (SEE DETAILS)	608
TOTAL	1493

PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT (K0012990)

LOCATION	UNIT
EAST ISLAND (PLAZA) & BROADWAY AVE.	8.21
TOTAL	8.21

PERENNIAL PLANTS, ORNAMENTAL TYPE, 5-GALLON POT ()

LOCATION	UNIT
EAST ISLAND (PLAZA)	0.16
WEST ISLAND (PLAZA)	0.33
TOTAL	0.49

EARTH EXCAVATION (20200100)

LOCATION	CU YD
PROJECT LIMITS	1400
TOTAL	1400

TOPSOIL FURNISH AND PLACE, SPECIAL (X2110100)

LOCATION	CU YD
VARIOUS LOCATIONS (SEE PLANS)	392
TOTAL	392

PORTLAND CEMENT CONCRETE SIDEWALK, 6" (42400300)

LOCATION	SQ FT
BROADWAY	7605
BEAUFORT & UPTOWN CIRCLE	361
TOTAL	7966

SHREDDED BARK MULCH 3" (K1005481)

LOCATION	SQ YD
TOKEN QUANTITY	130
TOTAL	130

UNIT PAVERS (XX003219)

LOCATION	SQ FT
HEXAGONAL PAVERS, TYPE 1	
WITHIN PLAZA AREA	2378
CONCRETE PAVERS, TYPE 2	
WITHIN PLAZA AREA	3036
TRUNCATED DOME PAVERS, TYPE 4	
BEAUFORT & UPTOWN CIRCLE	19
BEAUFORT & BROADWAY	37
TOTAL	5470

PIPE DRAINS 6" (60100915)

LOCATION	FOOT
ACROSS CONSTITUTION TRAIL	35
TOTAL	35

TREES (SPECIAL) (XX006570)

LOCATION	EACH
EAST ISLAND (PLAZA)	1
WEST ISLAND (PLAZA)	1
UPTOWN CIRCLE	3
BEAUFORT ST.	5
TOTAL	10

INTERLOCKING CONCRETE PAVERS (XX003995)

LOCATION	SQ FT
PERVIOUS PAVERS, TYPE 3, WITHIN PLAZA AREA	4364
TOTAL	4364

NOTES

1. THE INDICATED EARTHWORK VOLUMES ARE ESTIMATES BASED ON THE "AVERAGE END AREA" METHOD OF CALCULATION. EARTHWORK VOLUMES WILL VARY WITH ACTUAL SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. THESE ESTIMATES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND SHOULD BE CONSIDERED APPROXIMATE. ACTUAL VOLUMES OF EARTH EXCAVATION AND EMBANKMENT WILL BE PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
2. EXCESS EARTH MATERIALS FROM SEWER OR UTILITY TRENCHES AND EXCAVATIONS FOR STRUCTURES ARE NOT INCLUDED IN THE EARTHWORK CALCULATIONS. EXCESS EARTH MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. THE COST OF DISPOSING OF EXCESS EARTH MATERIAL WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
3. AN ESTIMATED QUANTITY FOR THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS HAS BEEN INCLUDED IN THE CONTRACT. THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS WILL BE AS DIRECTED BY THE ENGINEER AND WILL BE MEASURED AND PAID FOR AS DESCRIBED IN THE SPECIAL PROVISIONS.
4. SEE THE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

FOR ADDITIONAL SCHEDULES OF QUANTITIES SEE THE REMOVALS/RELOCATIONS PLANS, DRAINAGE PLANS, AND LANDSCAPING PLANS.

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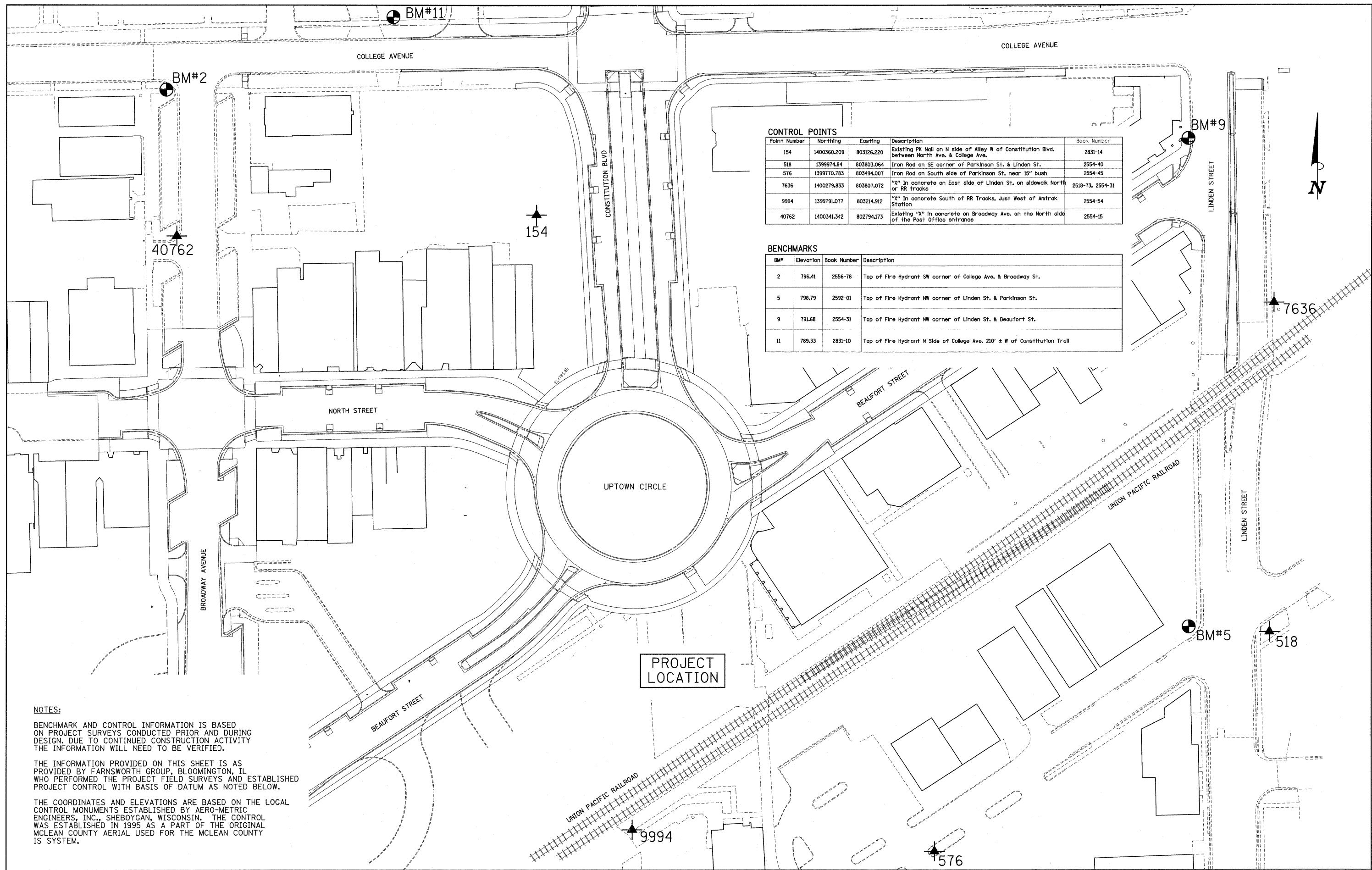
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 DATE - 4-11 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE : NONE SHEET NO. 6 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00243-02-LS	MCLEAN	40	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 91461	



CONTROL POINTS

Point Number	Northing	Easting	Description	Book Number
154	1400360.209	803126.220	Existing PK Nail on N side of Alley W of Constitution Blvd. between North Ave. & College Ave.	2831-14
518	1399974.84	803803.064	Iron Rod on SE corner of Parkinson St. & Linden St.	2554-40
576	1399770.783	803494.007	Iron Rod on South side of Parkinson St. near 15" bush	2554-45
7636	1400279.833	803807.072	"X" in concrete on East side of Linden St. on sidewalk North of RR tracks	2518-73, 2554-31
9994	1399791.077	803214.912	"X" in concrete South of RR Tracks, Just West of Amtrak Station	2554-54
40762	1400341.342	802794.173	Existing "X" in concrete on Broadway Ave. on the North side of the Post Office entrance	2554-15

BENCHMARKS

BM#	Elevation	Book Number	Description
2	796.41	2556-78	Top of Fire Hydrant SW corner of College Ave. & Broadway St.
5	798.79	2592-01	Top of Fire Hydrant NW corner of Linden St. & Parkinson St.
9	791.68	2554-31	Top of Fire Hydrant NW corner of Linden St. & Beaufort St.
11	789.33	2831-10	Top of Fire Hydrant N Side of College Ave. 210' ± W of Constitution Trall

NOTES:

BENCHMARK AND CONTROL INFORMATION IS BASED ON PROJECT SURVEYS CONDUCTED PRIOR AND DURING DESIGN. DUE TO CONTINUED CONSTRUCTION ACTIVITY THE INFORMATION WILL NEED TO BE VERIFIED.

THE INFORMATION PROVIDED ON THIS SHEET IS AS PROVIDED BY FARNSWORTH GROUP, BLOOMINGTON, IL WHO PERFORMED THE PROJECT FIELD SURVEYS AND ESTABLISHED PROJECT CONTROL WITH BASIS OF DATUM AS NOTED BELOW.

THE COORDINATES AND ELEVATIONS ARE BASED ON THE LOCAL CONTROL MONUMENTS ESTABLISHED BY AERO-METRIC ENGINEERS, INC., SHEBOYGAN, WISCONSIN. THE CONTROL WAS ESTABLISHED IN 1995 AS A PART OF THE ORIGINAL MCLEAN COUNTY AERIAL USED FOR THE MCLEAN COUNTY IS SYSTEM.

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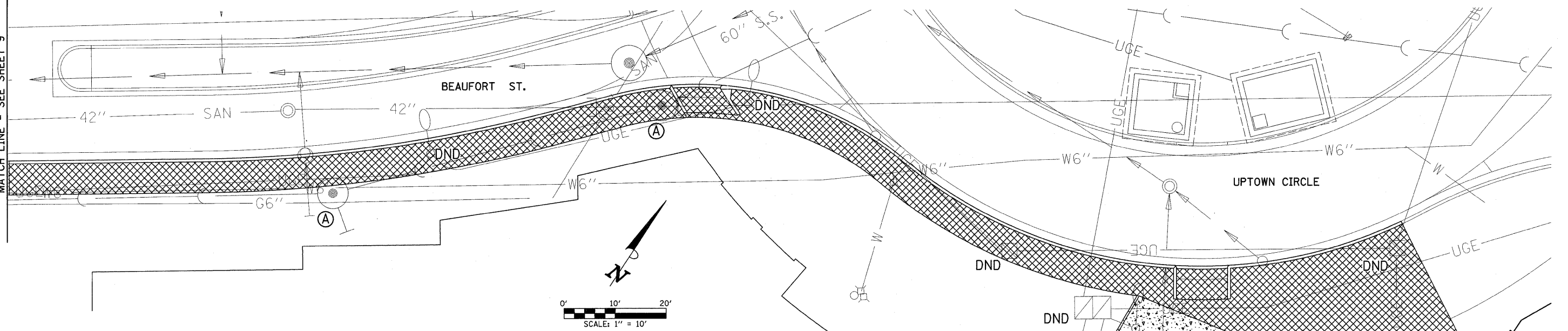
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DATE - 4-11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BENCHMARK AND CONTROL POINT LOCATION MAP
 SCALE : 1"=40' SHEET NO. 7 OF 40 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00243-02-LS	MCLEAN	40	7
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 91461	

MATCH LINE - SEE SHEET 9



TREE REMOVAL (6 TO 15 UNITS DIAMETER)
(20100110)

LOCATION	UNIT
PLAZA AREA	6
TOTAL	6

PAVEMENT REMOVAL
(44000100)

LOCATION	SQ YD
PARKING LOT (PLAZA)	622
TOTAL	622

CURB REMOVAL
(44000300)

LOCATION	FOOT
PARKING LOT (PLAZA)	230
TOTAL	230

SIDEWALK REMOVAL
(44000600)

LOCATION	SQ FT
BEAUFORT STREET	795
UPTOWN CIRCLE & MUSEUM	2977
SHEET TOTAL	3772

REMOVE AND RESET ORNAMENTAL FENCE
(Z0050600)

LOCATION	FOOT
SOUTHWEST MUSEUM CORNER	110
TOTAL	110

REMOVE AND RE-ERECT SEGMENTAL BLOCK RETAINING WALL
(XX006188)

LOCATION	SQ FT
SOUTHWEST MUSEUM CORNER	160
TOTAL	160

- LEGEND**
- SIDEWALK REMOVAL
 - PAVEMENT REMOVAL
 - CURB REMOVAL
 - STRUCTURE TO BE ADJUSTED OR RECONSTRUCTED (SEE PLANS)
 - DO NOT DISTURB (SEE NOTE #3)

FOR PROPOSED CONSTRUCTION IN THIS AREA SEE DRAINAGE PLAN AND LANDSCAPING PLAN

EXISTING PAVEMENTS, CURBS AND GUTTERS, AND SIDEWALKS IN WHICH THE TOP SURFACE IS TO BE JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH SAW CUT JUNCTURES.

THE REMOVAL AND RELOCATION OF VARIOUS TRAFFIC SIGNS SHOWN HEREON SHALL BE AS DIRECTED BY THE ENGINEER AND AS SPECIFIED IN THE STANDARD SPECIFICATIONS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY AND IS CONSIDERED AS INCLUDED IN THE VARIOUS REMOVAL ITEMS.

EXISTING FIELD CONDITIONS

DUE TO ONGOING UTILITY CONSTRUCTION AND OTHER BUILDING PROJECTS IN THE VICINITY OF THIS PROJECT, THE EXISTING TOPOGRAPHIC FEATURES MAY BE DIFFERENT FROM THE FEATURES SHOWN ON THE PLANS. THE REMOVAL AND RELOCATION QUANTITIES WILL BE MEASURED IN PLACE TO REFLECT THE EXACT FIELD CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CHANGED FIELD CONDITIONS THAT ARE DISCOVERED PRIOR TO PERFORMING THE REMOVAL OR RELOCATION WORK. THE CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES MEASURED IN PLACE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO CHANGED FIELD CONDITIONS.

NOTES

- EXISTING FACILITIES FOR GAS, ELECTRIC, FIBER OPTIC, CABLE TELEVISION AND TELEPHONE THAT ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE ADJUSTED, MOVED OR REMOVED BY THE UTILITY OWNERS. THE ENGINEER SHALL COORDINATE THIS WORK WITH EACH UTILITY COMPANY.
- EXISTING ELECTRICAL FACILITIES THAT ARE OWNED BY THE TOWN OF NORMAL AND ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE ADJUSTED, MOVED, OR REMOVED BY OTHERS UNLESS NOTED OTHERWISE. SUCH ITEMS MAY INCLUDE HANDHOLES, JUNCTION BOXES, LIGHT POLES, LIGHT POLE FOUNDATIONS, CONDUIT AND CABLE.
- THE BIKE RACK AND BENCH SHALL BE REMOVED AND BECOME THE PROPERTY OF THE TOWN OF NORMAL. THIS WORK SHALL NOT BE PAID FOR SEPARATELY AND IS CONSIDERED AS INCLUDED IN THE VARIOUS REMOVAL ITEMS.

REBUILD EXISTING HANDHOLE, SPECIAL = 1 EACH
SEE LANDSCAPE PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION

MODIFY EXISTING LIGHTING CONTROLLER = 1 EACH
SEE LANDSCAPE PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION

TREE TO BE REMOVED = 6 UNITS

REMOVE AND RESET ORNAMENTAL FENCE = 110 FOOT
REMOVE AND RE-ERECT SEGMENTAL RETAINING WALL = 160 SQ FT
SEE LANDSCAPE PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION

CURB REMOVAL = 63 FOOT

CURB REMOVAL = 147 FOOT

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVED -	REVISED -
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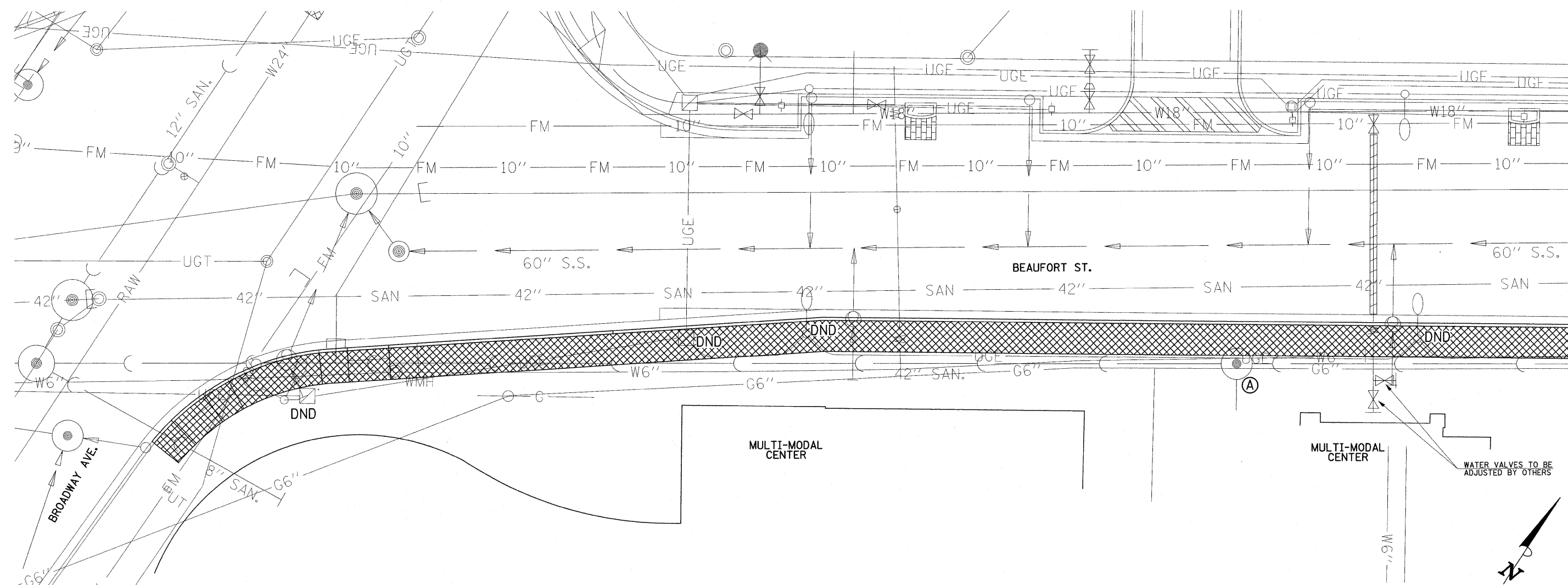
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVALS AND RELOCATION



SCALE: 1"=10' SHEET NO. 8 OF 40 SHEETS STA. TO STA.

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00243-02-LS	MCLEAN	40	8
CONTRACT NO. 91461				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MATCH LINE - SEE SHEET 8



LEGEND

-  SIDEWALK REMOVAL
-  STRUCTURE TO BE ADJUSTED (SEE DRAINAGE AND LANDSCAPING PLANS)
- DND** DO NOT DISTURB (SEE NOTE #2)

**SIDEWALK REMOVAL
(44000600)**

LOCATION	SQ FT
SOUTHEAST CORNER BROADWAY & BEAUFORT	1654
SHEET TOTAL	1654

FOR PROPOSED CONSTRUCTION IN THIS AREA
SEE DRAINAGE PLAN AND LANDSCAPING PLAN

EXISTING PAVEMENTS, CURBS AND GUTTERS, AND
SIDEWALKS IN WHICH THE TOP SURFACE IS TO
BE JOINED TO THE PROPOSED WORK SHALL BE SO
JOINED THROUGH SAW CUT JUNCTURES.

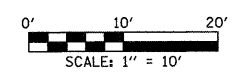
THE REMOVAL AND RELOCATION OF VARIOUS TRAFFIC
SIGNS SHOWN HEREON SHALL BE AS DIRECTED BY
THE ENGINEER AND AS SPECIFIED IN THE STANDARD
SPECIFICATIONS. THIS WORK SHALL NOT BE PAID FOR
SEPARATELY AND IS CONSIDERED AS INCLUDED IN THE
VARIOUS REMOVAL ITEMS.

EXISTING FIELD CONDITIONS

DUE TO ONGOING UTILITY CONSTRUCTION AND OTHER BUILDING PROJECTS
IN THE VICINITY OF THIS PROJECT, THE EXISTING TOPOGRAPHIC FEATURES
MAY BE DIFFERENT FROM THE FEATURES SHOWN ON THE PLANS. THE REMOVAL
AND RELOCATION QUANTITIES WILL BE MEASURED IN PLACE TO REFLECT THE
EXACT FIELD CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER
OF ANY CHANGED FIELD CONDITIONS THAT ARE DISCOVERED PRIOR TO
PERFORMING THE REMOVAL OR RELOCATION WORK. THE CONTRACTOR WILL
BE PAID FOR ACTUAL QUANTITIES MEASURED IN PLACE AND NO ADDITIONAL
COMPENSATION WILL BE ALLOWED DUE TO CHANGED FIELD CONDITIONS.

NOTES

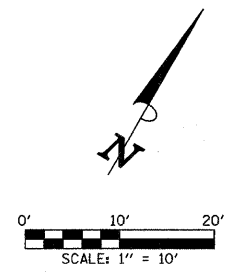
1. EXISTING FACILITIES FOR GAS, ELECTRIC, FIBER OPTIC, CABLE TELEVISION AND TELEPHONE THAT ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE ADJUSTED, MOVED OR REMOVED BY THE UTILITY OWNERS. THE ENGINEER SHALL COORDINATE THIS WORK WITH EACH UTILITY COMPANY.
2. EXISTING ELECTRICAL FACILITIES THAT ARE OWNED BY THE TOWN OF NORMAL AND ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE ADJUSTED, MOVED, OR REMOVED BY OTHERS UNLESS NOTED OTHERWISE. SUCH ITEMS MAY INCLUDE HANDHOLES, JUNCTION BOXES, LIGHT POLES, LIGHT POLE FOUNDATIONS, CONDUIT AND CABLE.



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	DATE - 4-11	REVISED -						FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
			TOWN OF NORMAL	SECTION NO. 10-00243-02-LS	McLEAN COUNTY	SCALE: 1"=10'		SHEET NO. 9 OF 40 SHEETS	STA. TO STA.			

EXISTING FIELD CONDITIONS

DUE TO ONGOING UTILITY CONSTRUCTION AND OTHER BUILDING PROJECTS IN THE VICINITY OF THIS PROJECT, THE EXISTING TOPOGRAPHIC FEATURES MAY BE DIFFERENT FROM THE FEATURES SHOWN ON THE PLANS. THE ADJUSTMENT AND RECONSTRUCTION OF STRUCTURES WILL BE MEASURED TO REFLECT ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CHANGED FIELD CONDITIONS THAT ARE DISCOVERED PRIOR TO PERFORMING WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO CHANGED FIELD CONDITIONS.



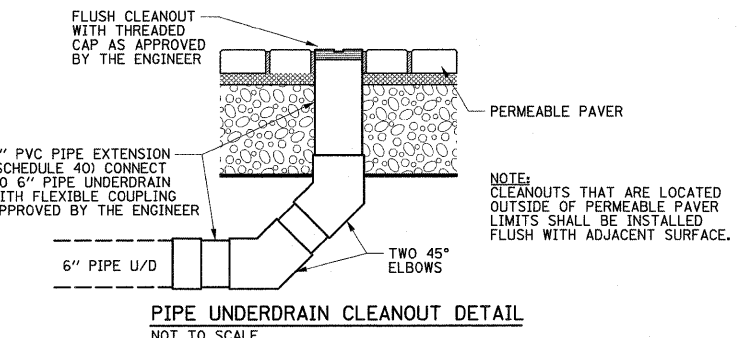
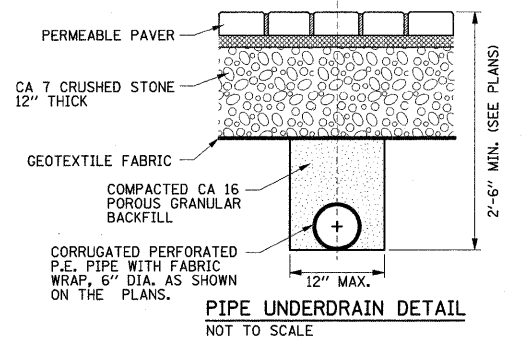
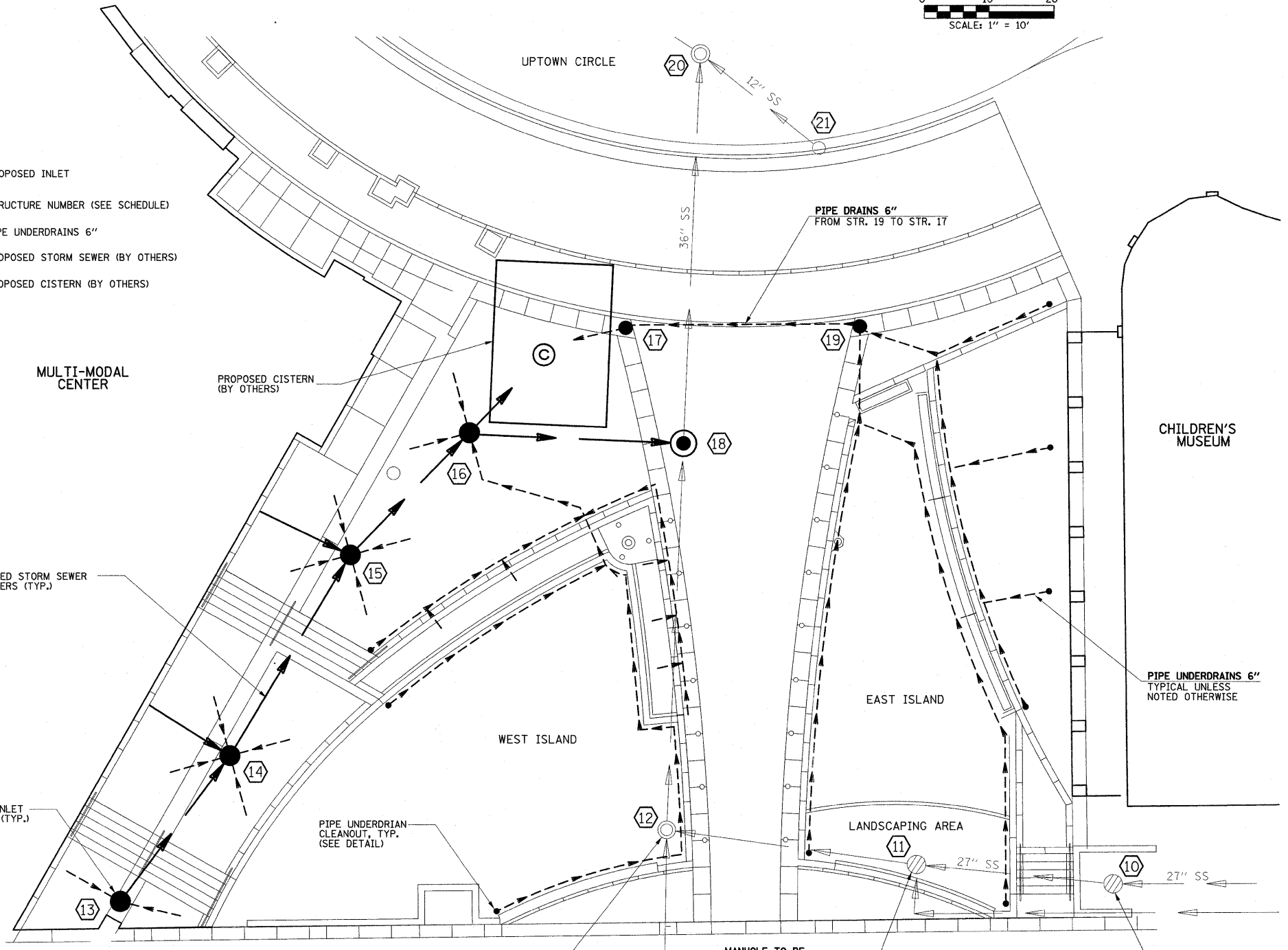
- NOTES:**
1. THE PIPE UNDERDRAIN LAYOUT AS SHOWN IS SCHEMATIC IN NATURE. PIPE UNDERDRAINS SHALL BE PLACED AS SHOWN OR AS DIRECTED BY THE ENGINEER.
 2. ALL ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DIFFERENCES BETWEEN THE INTENDED DESIGN AND ACTUAL FIELD CONDITIONS SHALL BE COMMUNICATED TO THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED AS A RESULT OF ANY DIFFERENCES DISCOVERED DURING CONSTRUCTION.
 3. THE PIPE UNDERDRAINS AND PIPE DRAINS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE UNDERDRAINS 6" AND PIPE DRAINS 6", WHICH INCLUDES ALL LABOR, EQUIPMENT, PIPE, FABRIC WRAP, TRENCHING, AND POROUS GRANULAR BACKFILL MATERIAL NEEDED TO CONSTRUCT THE PROPOSED UNDERDRAIN SYSTEM AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
 4. CLEANOUTS FOR THE PROPOSED PIPE UNDERDRAINS SHALL BE PROVIDED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. THE COST OF CONSTRUCTING THE PIPE UNDERDRAIN CLEANOUTS SHALL BE INCLUDED IN COST OF PIPE UNDERDRAINS 6" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 5. APPLICABLE ARTICLES OF SECTION 601 OF THE STANDARD SPECIFICATIONS SHALL APPLY EXCEPT DELETE ALL REFERENCE TO MEASUREMENT AND PAYMENT.
 6. SEE LANDSCAPING PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

LEGEND

- OR ● PROPOSED INLET
- ⊕ STRUCTURE NUMBER (SEE SCHEDULE)
- - - - - PIPE UNDERDRAINS 6"
- PROPOSED STORM SEWER (BY OTHERS)
- ⊙ PROPOSED CISTERN (BY OTHERS)

STR. NO.	STRUCTURE TYPE	EX. T/O FRAME & GRATE ELEV.	PR. T/O FRAME & GRATE ELEV.	INVERT IN ELEV.	U/S STR. NO.	INVERT OUT ELEV.	D/S STR. NO.
10	MANHOLE ADJUST	785.63	TBD	780.28	EAST	780.23	11
11	MANHOLE RECONSTRUCT	785.22	790.0*	780.02	10	779.97	12
				780.02	SOUTH		
12	MANHOLE ADJUST	787.39	788.5*	779.40	11	778.24	18
				778.40	SOUTH		
13	INLETS ADJ W/SPCL FG	--	788.90*	--	--	782.01*	14
				786.35*	UNDERDRAIN		
14	INLETS ADJ W/SPCL FG	--	786.68*	781.84*	13	781.74*	15
				784.15*	UNDERDRAIN		
				781.84*	BLDG. WEST		
15	INLETS ADJ W/SPCL FG	--	784.48*	781.48*	14	781.38*	16
				781.95*	UNDERDRAIN		
				781.48*	BLDG. WEST		
16	INLETS ADJ W/SPCL FG	--	784.40*	781.22*	15	781.12*	18
				781.85*	UNDERDRAIN	TBD	CISTERN
17	INLETS TA SPCL. F&G	--	785.09*	782.05*	19	781.95*	CISTERN
18	MANHOLE ADJUST	--	784.9*	777.6*	12	777.6*	20
				779.35*	16		
19	INLETS TA SPCL. F&G	--	785.41*	782.35*	UNDERDRAIN	782.25*	17
20	MANHOLE (NO WORK)	784.47	--	777.03	12	777.03	WEST
				780.56	21		
21	INLET (NO WORK)	784.42	--	--	--	781.00	20

* FIELD VERIFY ELEVATIONS



FILE NAME = p:\N0240094\Plans\sheets\ 08 DRAINAGE.dgn
 PLOT DATE = 4/22/2011 11:15:11 AM

DESIGNED - K.L.R.	REVISED -
DRAWN - K.L.R.	REVISED -
CHECKED - S.M.W.	REVISED -
DATE - 4-11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN

SCALE: 1"=10' SHEET NO. 10 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00243-02-LS	MCLEAN	40	10
CONTRACT NO. 91461				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**NORMAL MULTI-MODAL TRANSPORTATION
PLAZA AND STREETScape**
NORMAL, ILLINOIS

PSE SUBMITTAL: APRIL 22, 2011

DRAWING INDEX:

Sheet Title	Sheet Number
L 0.0 Cover Sheet	11
L 0.1 Existing Conditions	12
Landscape Layout / Materials	
L 1.0 - 1.1 Layout Plans	13-14
L 1.2 - 1.3 Material Plans	15-16
L 1.4 - 1.5 Landscape Lighting Plan	17-18
Landscape Soils and Grading	
L 2.0 - 2.1 Soil Plans	19-20
L 2.2 - 2.3 Grading Plans	21-22
L 2.4 - 2.5 Wall and Footing Plans	23-24
L 2.6 - 2.7 Wall Elevations	25-26
Landscape Hardscape / Paving	
L 3.0 - 3.5 Hardscape Details	27-32
Landscape Planting	
L 4.0 - 4.1 Planting Plans	33-34
L 4.2 Landscape Sections	35
L 4.3 - 4.4 Planting Detail	36-37
Irrigation	
L 5.0 - 5.1 Irrigation Plans	38-39
L 5.2 Irrigation Details	40

PROJECT TEAM

CLIENT:

Town of Normal
100 E. Phoenix Avenue
Normal, Illinois 61761-0589
Contact: Wayne Aldrich
Phone: 309-454-9760
Fax: 309 - 452-2366
email: waldrich@normal.org

LANDSCAPE ARCHITECT:

Hoerr Schaudt Landscape Architects
850 West Jackson Blvd, Ste 800
Chicago, Illinois 60607
Contact: Rick Reineke
Phone: 312-492-6501
Fax: 312-492-7101
email: rreineke@hoerrschaudt.com

CIVIL ENGINEER:

Clark - Dietz, Inc.
125 West Church Street
Champaign, Illinois 61820-3510
Contact: Jerry Payonk
Phone: 217-373-8945
Fax: 217-373-8923
email: Jerry.Payonk@clarkdietz.com

IRRIGATION CONSULTANT:

Landtech Irrigation Consultants
8420 Zionville Road
Indianapolis, Indiana 46268
Contact: Jeff Reising
Phone: 317-334-7632
Fax: 317-879-2331
email: jeff.reising@landtechdesign.com

FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	L0.0 — COVER PAGE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11			SCALE :	SHEET NO. 11 OF 40 SHEETS	STA.	TO STA.	10-00243-02-LS	MCLEAN	40	11
	CHECKED — J.M.B.	REVISED —			CONTRACT NO. 91461							
	DATE — 3-11	REVISED —			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

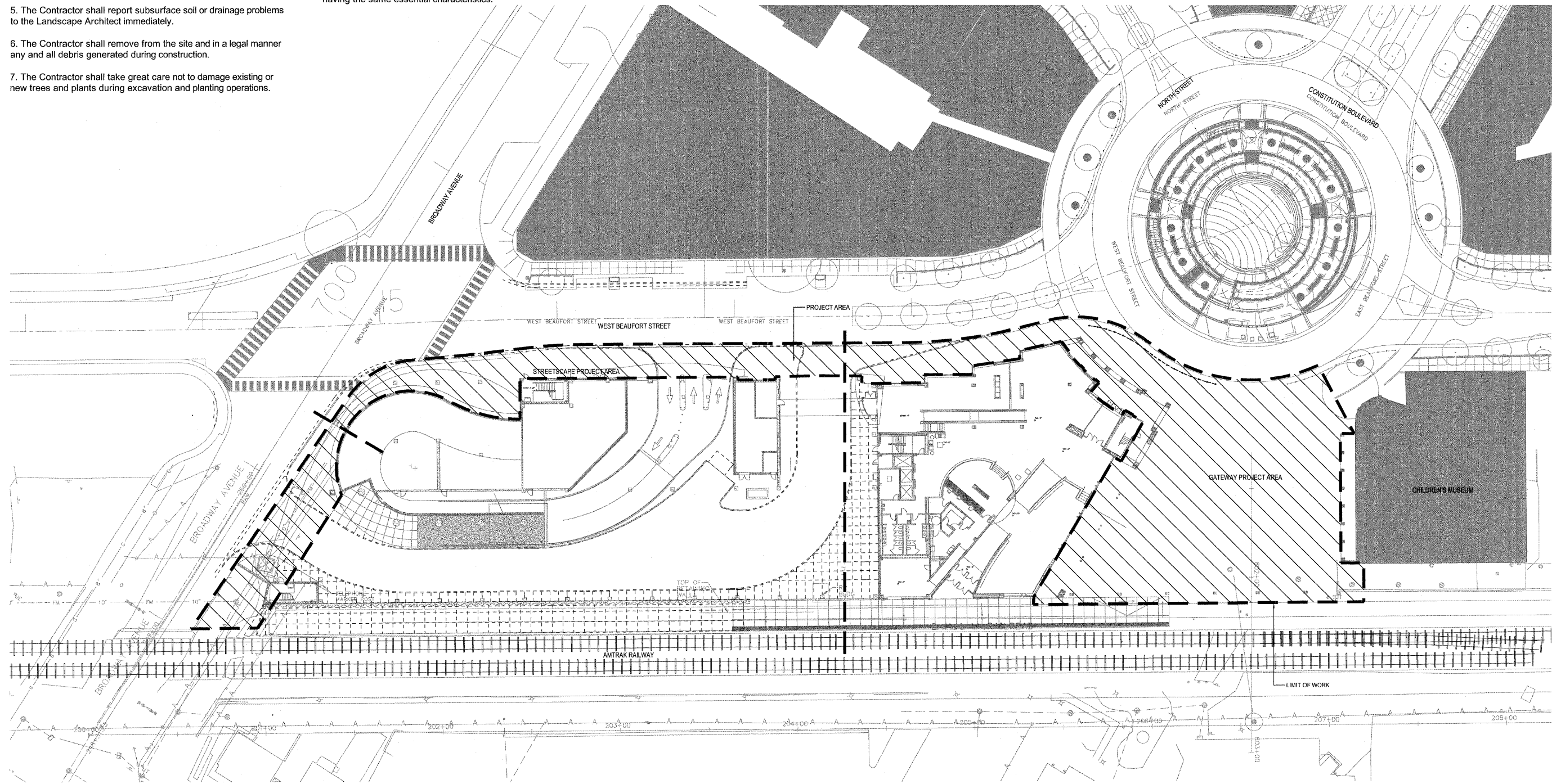
GENERAL NOTES

1. The Contractor shall determine exact location of all public and private utilities prior to start of landscape operations. The Contractor shall also be responsible for maintaining all utility locations, as marked by the utility companies, and owner's representative throughout the duration of landscape construction.
2. The Contractor shall verify all site conditions in the field. Any discrepancies between the drawing and actual site conditions shall be brought immediately to the attention of the Landscape Architect.
3. The Contractor shall obtain a permit to remove, spray or in any way affect the general health and/or the structures of trees.
4. The Contractor shall take great care not to damage existing pavement and/or structures during excavation and planting operations, and shall repair any such damage at no additional cost to the client.
5. The Contractor shall report subsurface soil or drainage problems to the Landscape Architect immediately.
6. The Contractor shall remove from the site and in a legal manner any and all debris generated during construction.
7. The Contractor shall take great care not to damage existing or new trees and plants during excavation and planting operations.

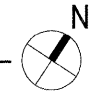
8. The Contractor shall take great care not to disturb the root systems of existing trees. When trenching within the dripline of any tree the operation should be performed by hand working in a wheel and spoke manner from the trunk outward. Damaged or torn roots shall be immediately repaired with a smooth, clean cut. The Contractor shall take great care during tillage operations within the specified tree protection zones of trees to remain. When major roots are encountered, the Contractor shall excavate soil by hand to avoid damage to roots.
9. Substitutions shall only be allowed when the Contractor has exhausted all sources for the specified material, and has proven the specified material is not available. The Contractor must provide name and variety of substitutions to the Landscape Architect for approval prior to procurement and/or installation. Contractor shall provide suggested substitutions to The Landscape Architect for approval. Substitutions shall be nearest equivalent size or variety having the same essential characteristics.

10. The Contractor shall stake or place all plants in field as indicated on the drawings or as directed by the Landscape Architect for approval by the Owner or authorized representative prior to planting. The Landscape Architect requires a minimum of 72 hours notice prior to field layout and/or approval.
11. The Contractor shall perform all maintenance activities within the scope area through completion of the construction project and until final walkthrough with Landscape Architect and a written note of acceptance.
12. The Contractor shall be responsible for restoring all areas damaged by their construction operations whether within the construction limits or not.

13. Upon completion of construction and any necessary repairs, the contractor or Owner will contact the Landscape Architect to arrange a final walkthrough. Landscape Architect to provide a formal letter of acceptance to the client prior to turn over.



A EXISTING CONDITIONS PLAN
SCALE: 1"=30'-0"



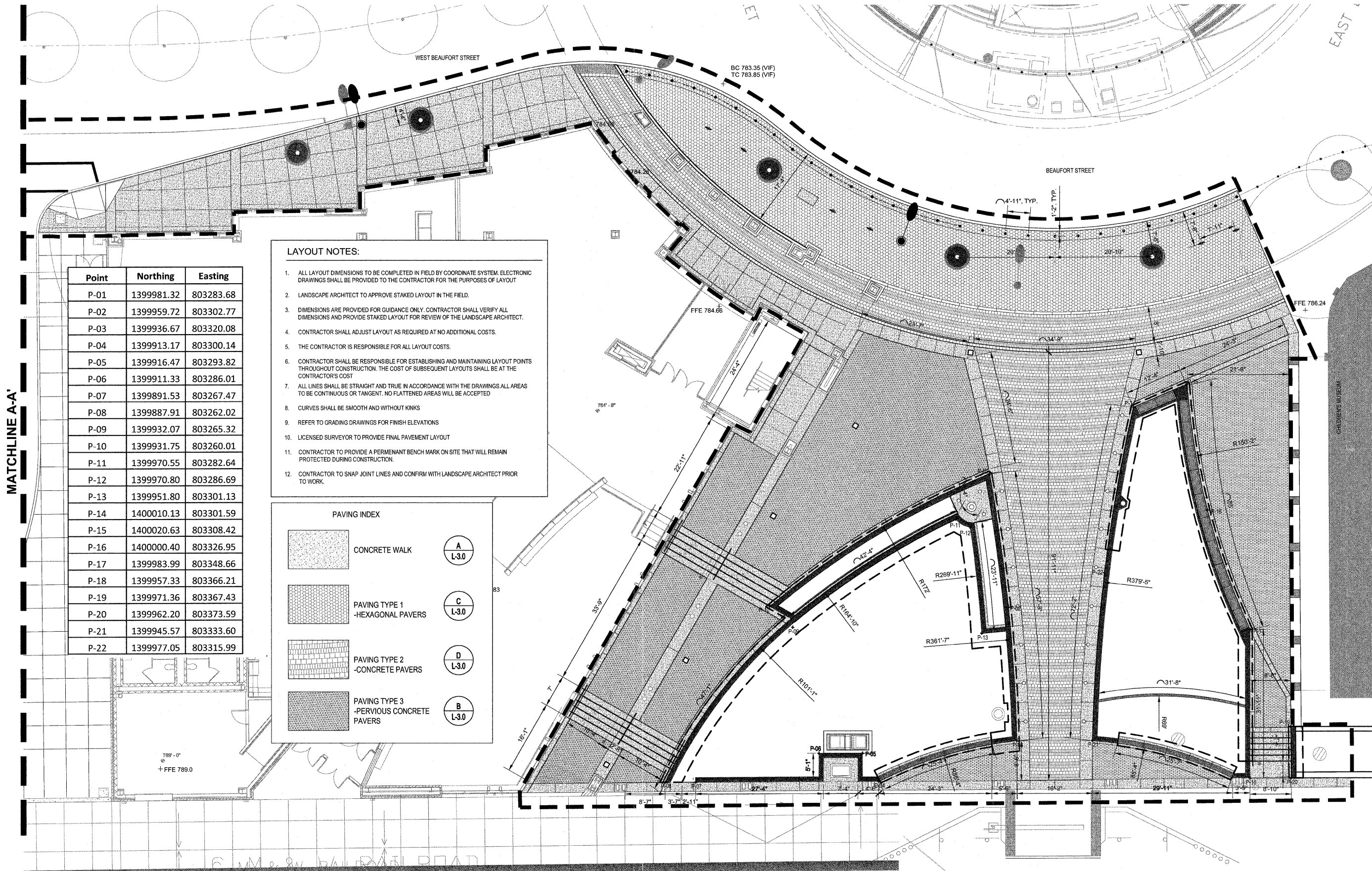
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PLOT DATE =	DRAWN -- R.N.R.	REVISED -- 04-22-11
	CHECKED -- J.M.B.	REVISED --
	DATE -- 3-11	REVISED --

DESIGNED -- P.L.S.	REVISED -- 04-01-11
DRAWN -- R.N.R.	REVISED -- 04-22-11
CHECKED -- J.M.B.	REVISED --
DATE -- 3-11	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

L0.1 - EXISTING SITE CONDITIONS
SCALE: 1"=30'-0" SHEET NO. 12 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00243-02-LS	MCLEAN	40	12
CONTRACT NO. 91461				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



Point	Northing	Easting
P-01	1399981.32	803283.68
P-02	1399959.72	803302.77
P-03	1399936.67	803320.08
P-04	1399913.17	803300.14
P-05	1399916.47	803293.82
P-06	1399911.33	803286.01
P-07	1399891.53	803267.47
P-08	1399887.91	803262.02
P-09	1399932.07	803265.32
P-10	1399931.75	803260.01
P-11	1399970.55	803282.64
P-12	1399970.80	803286.69
P-13	1399951.80	803301.13
P-14	1400010.13	803301.59
P-15	1400020.63	803308.42
P-16	1400000.40	803326.95
P-17	1399983.99	803348.66
P-18	1399957.33	803366.21
P-19	1399971.36	803367.43
P-20	1399962.20	803373.59
P-21	1399945.57	803333.60
P-22	1399977.05	803315.99

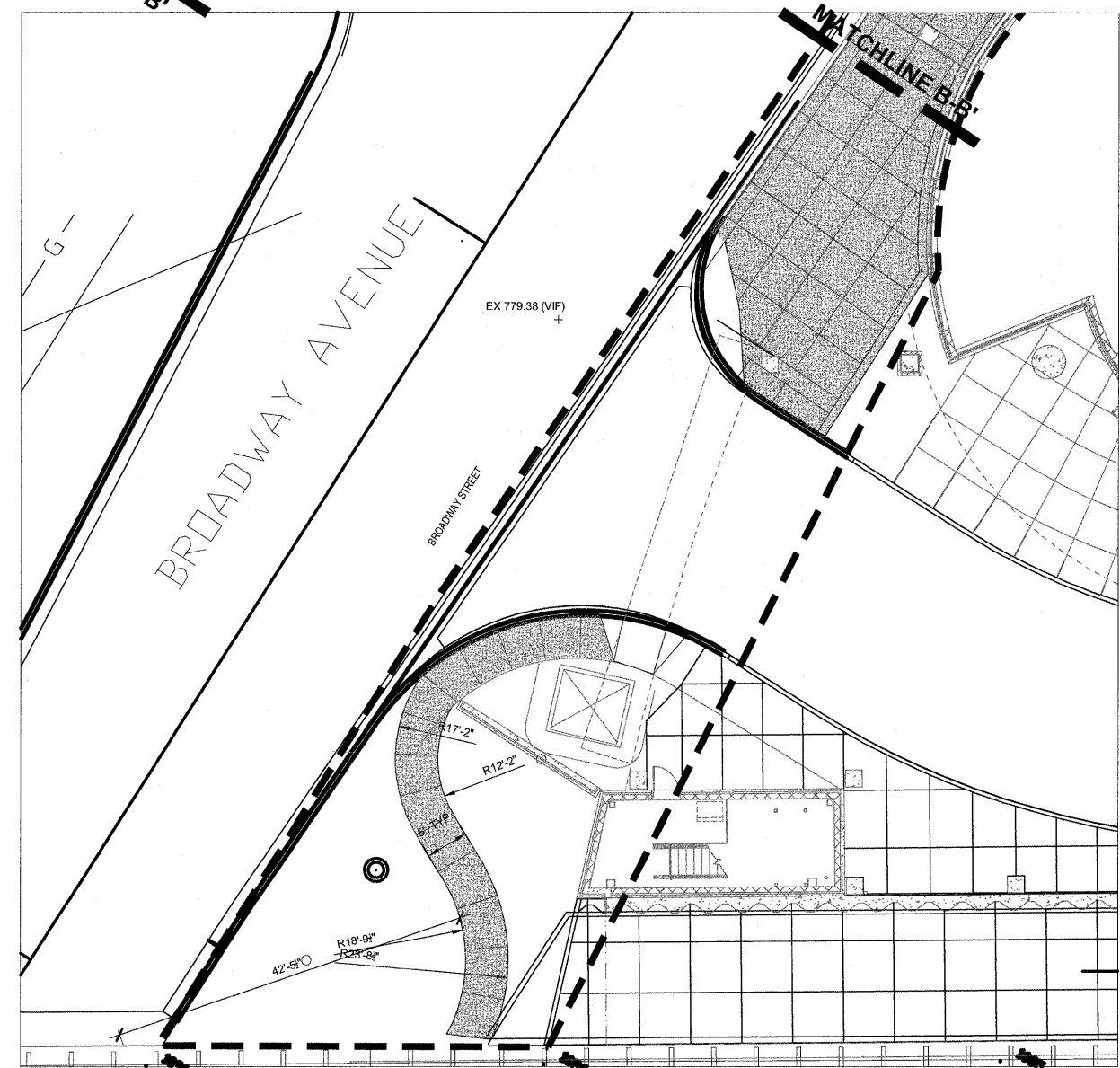
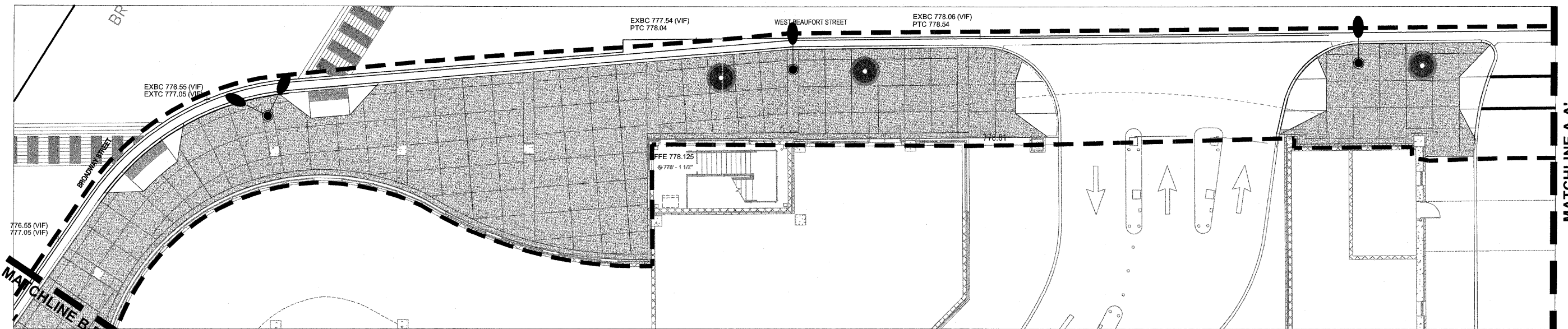
- LAYOUT NOTES:**
- ALL LAYOUT DIMENSIONS TO BE COMPLETED IN FIELD BY COORDINATE SYSTEM. ELECTRONIC DRAWINGS SHALL BE PROVIDED TO THE CONTRACTOR FOR THE PURPOSES OF LAYOUT
 - LANDSCAPE ARCHITECT TO APPROVE STAKED LAYOUT IN THE FIELD.
 - DIMENSIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND PROVIDE STAKED LAYOUT FOR REVIEW OF THE LANDSCAPE ARCHITECT.
 - CONTRACTOR SHALL ADJUST LAYOUT AS REQUIRED AT NO ADDITIONAL COSTS.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT COSTS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING LAYOUT POINTS THROUGHOUT CONSTRUCTION. THE COST OF SUBSEQUENT LAYOUTS SHALL BE AT THE CONTRACTOR'S COST
 - ALL LINES SHALL BE STRAIGHT AND TRUE IN ACCORDANCE WITH THE DRAWINGS. ALL AREAS TO BE CONTINUOUS OR TANGENT. NO FLATTENED AREAS WILL BE ACCEPTED
 - CURVES SHALL BE SMOOTH AND WITHOUT KINKS
 - REFER TO GRADING DRAWINGS FOR FINISH ELEVATIONS
 - LICENSED SURVEYOR TO PROVIDE FINAL PAVEMENT LAYOUT
 - CONTRACTOR TO PROVIDE A PERMANENT BENCH MARK ON SITE THAT WILL REMAIN PROTECTED DURING CONSTRUCTION.
 - CONTRACTOR TO SNAP JOINT LINES AND CONFIRM WITH LANDSCAPE ARCHITECT PRIOR TO WORK.

PAVING INDEX

	CONCRETE WALK	
	PAVING TYPE 1 -HEXAGONAL PAVERS	
	PAVING TYPE 2 -CONCRETE PAVERS	
	PAVING TYPE 3 -PERVIOUS CONCRETE PAVERS	

A LAYOUT PLAN- GATEWAY PLAZA
SCALE: 1"=10'-0"

FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	L1.0 - LAYOUT PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11			10-00243-02-LS	MCLEAN	40	13	
	CHECKED — J.M.B.	REVISED —			SCALE: 1"=10'-0"	SHEET NO. 13 OF 40 SHEETS	STA.	TO STA.	CONTRACT NO. 91461
	DATE — 3-11	REVISED —			TOWN OF NORMAL	SECTION NO. 10-00243-02-LS	MCLEAN COUNTY	FED. ROAD DIST. NO. ...	ILLINOIS FED. AID PROJECT



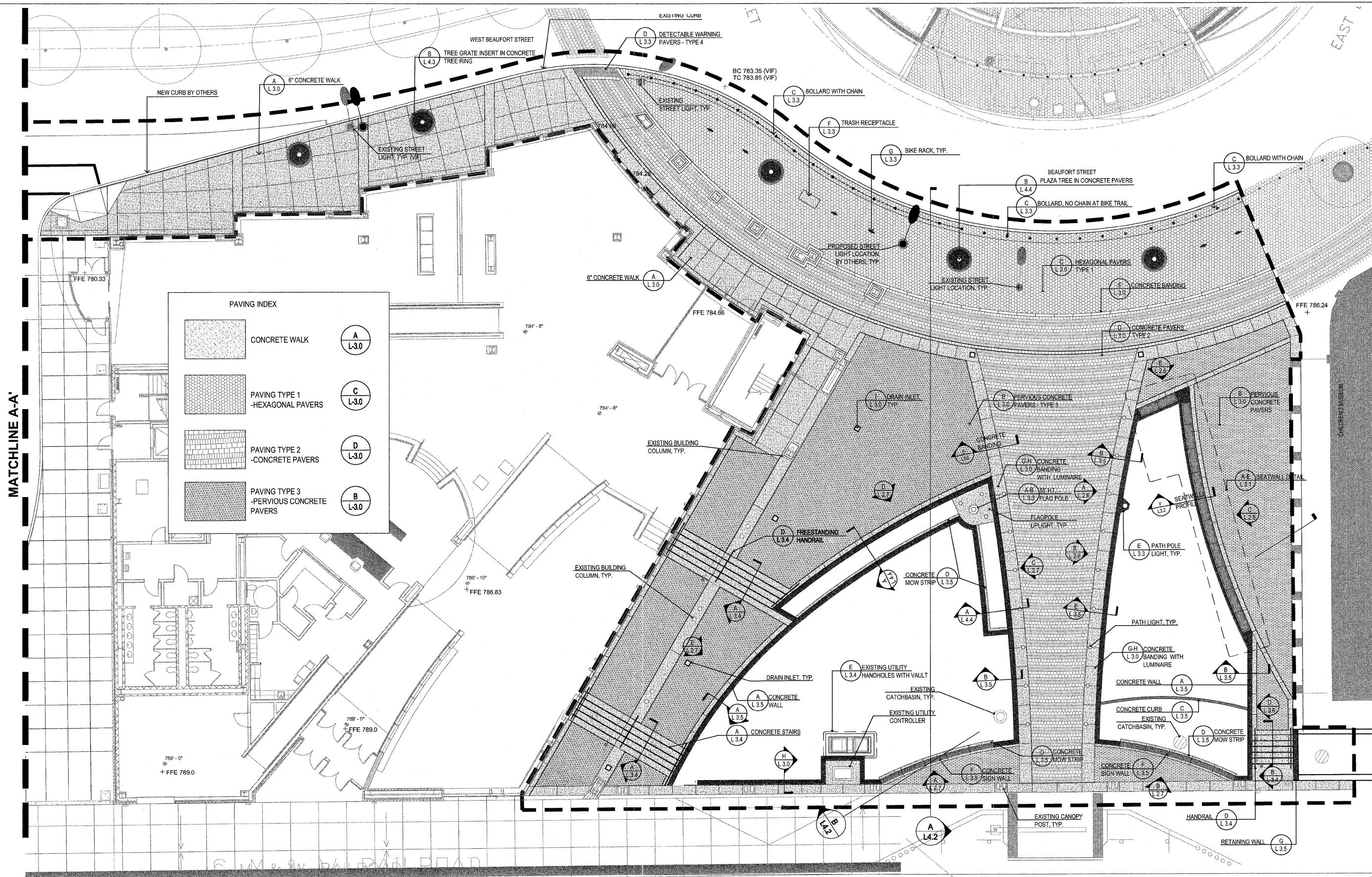
PAVING INDEX

	CONCRETE WALK	
	PAVING TYPE 1 -HEXAGONAL PAVERS	
	PAVING TYPE 2 -CONCRETE PAVERS	
	PAVING TYPE 3 -PERVIOUS CONCRETE PAVERS	

A LAYOUT PLAN- STREETScape
SCALE: 1"=10'-0"



FILE NAME =	DESIGNED -- P.L.S.	REVISED -- 04-01-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		L1.1 - LAYOUT PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE =	DRAWN -- R.N.R.	REVISED -- 04-22-11						10-00243-02-LS	MCLEAN	40	14	
	CHECKED -- J.M.B.	REVISED --	SCALE : 1"=10'-0" SHEET NO. 14 OF 40 SHEETS STA. TO STA.			CONTRACT NO. 91461			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
	DATE -- 3-11	REVISED --	TOWN OF NORMAL SECTION NO. 10-00243-02-LS McLEAN COUNTY			N0240094						



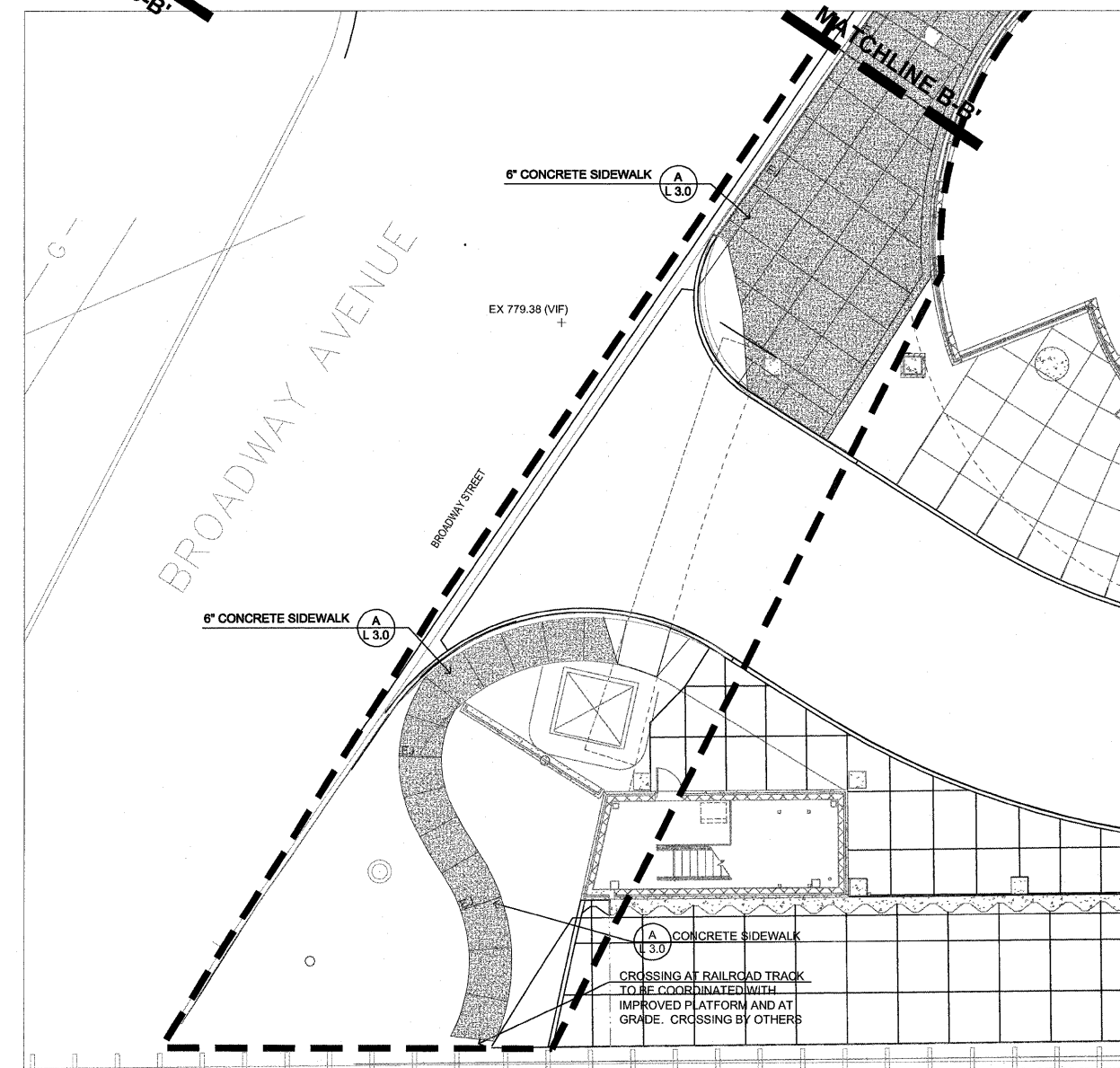
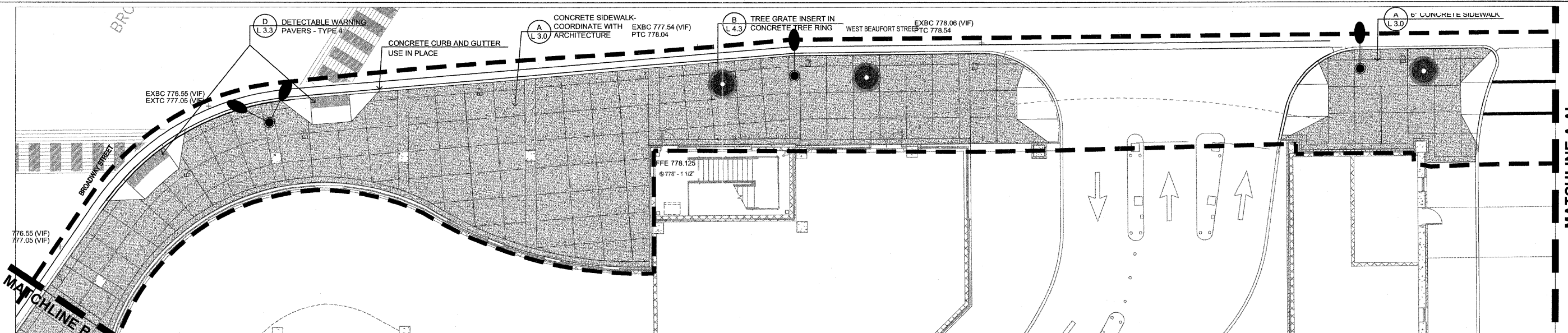
A MATERIALS PLAN- GATEWAY PLAZA
SCALE: 1"=10'-0"

FILE NAME =	DESIGNED -- P.L.S.	REVISED -- 04-01-11
PLOT DATE =	DRAWN -- R.N.R.	REVISED -- 04-22-11
	CHECKED -- J.M.B.	REVISED --
	DATE -- 3-11	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

L1.2 - MATERIALS PLAN	
SCALE: 1"=10'-0"	SHEET NO. 15 OF 40 SHEETS
STA. _____	TO STA. _____

F.A.U. RTE. _____	SECTION 10-00243-02-LS	COUNTY MCLEAN	TOTAL SHEETS 40	SHEET NO. 15
CONTRACT NO. 91461				
FED. ROAD DIST. NO. ... ILLINOIS FED. AID PROJECT				



PAVING INDEX

	CONCRETE WALK	A L-3.0
	PAVING TYPE 1 -HEXAGONAL PAVERS	C L-3.0
	PAVING TYPE 2 -CONCRETE PAVERS	D L-3.0
	PAVING TYPE 3 -PERVIOUS CONCRETE PAVERS	B L-3.0

A MATERIALS PLAN- STREETScape
SCALE: 1"=10'-0"

FILE NAME =
PLOT DATE =

DESIGNED — P.L.S.	REVISED — 04-01-11
DRAWN — R.N.R.	REVISED — 04-22-11
CHECKED — J.M.B.	REVISED —
DATE — 3-11	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

L1.3 - MATERIALS PLAN

SCALE : 1"=10'-0" SHEET NO. 16 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	10-00243-02-LS	MCLEAN	40	16
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 91461	

LIGHTING SCHEDULE

COUNT	SYMBOL	DESCRIPTION
1		POLE MOUNTED LIGHT FIXTURE BY ANTIQUE STREET LAMPS, PHONE (412) 977-8444, EM17RT - 175M - MED - GCF - SR2-120 - CM - HS POST: EPAX - 24 - S557 4-3/8T8 - CM BANNER ARMS: 4 BAB - 18 - H4 - CM
16		DRIVE OVER LUMINAIRE BY BEGA-US 8856MH, PHONE (805) 684-0533, LAMP: 39W/T4/G8.5 MH
15		RECESSED WALL LUMINAIRES WITH SHIELDED LIGHT BY BEGA-US 2100, PHONE (805) 684-0533, LAMP: 1/10W/T3/G4, 12V
2		FLAGPOLE UPLIGHT, BY B-K LIGHTING, PHONE (559) 438-5800 FIXTURE: A - HP2 - AR35 - TR - 270 - BRU - 11 - 120 - CPC/AH/ICEE/TC LAMP: 270-CDM-R111 / 35W / 810MH / 10° SPOT
1		FLAGPOLE UPLIGHT, BY B-K LIGHTING, PHONE (559) 438-5800 FIXTURE: A - HP2 - AR35 - TR - 271 - BRU - 11 - 120 - CPC/AH/ICEE/TC LAMP: 271-CDM-R111 / 35W / 830MH / 24° WIDE FLOOD

KEY NOTES:

- ① LANDSCAPE LIGHTING CONDUIT AND CONDUCTOR REQUIREMENTS:
- CIRCUIT D 2 #10 + #10 GROUND IN 3/4" PVC CONDUIT IN TRENCH TO FIRST FIXTURE.
 - BRANCH D1 CIRCUIT D, BRANCH 1 = 2 #12 + #10 GROUND IN 3/4" PVC CONDUIT IN TRENCH
 - BRANCH D2 CIRCUIT D, BRANCH 2 = 2 #12 + #10 GROUND IN 3/4" PVC CONDUIT IN TRENCH
 - CIRCUIT W1 2 #14 (12V DC) IN SEPARATE 1/2" PVC CONDUIT IN TRENCH AND EMBEDDED IN STRUCTURE
 - CIRCUIT W2 2 #12 (12V DC) IN SEPARATE 1/2" PVC CONDUIT IN TRENCH AND EMBEDDED IN STRUCTURE
 - CIRCUIT W3 2 # 12 (12V DC) IN SEPARATE 1/2" PVC CONDUIT IN TRENCH AND EMBEDDED IN STRUCTURE
 - CIRCUIT W4 2 #12 (12V DC) IN SEPARATE 1/2" PVC CONDUIT IN TRENCH AND EMBEDDED IN STRUCTURE
 - CIRCUIT IP IRRIGATION PUMP CIRCUIT 2 #12 + #12 GROUND IN 3/4" PVC CONDUIT IN TRENCH, BY OTHERS
- REFER TO LANDSCAPE LIGHTING WIRING DIAGRAM SHEET L1.5 FOR MORE INFORMATION.
- ② 6" PVC CONDUIT (EMPTY), CAPPED AT BOTH ENDS. ACTUAL LOCATION AND END TREATMENTS TO BE DETERMINED BY THE ENGINEER.

MATCHLINE A-A'

A

LANDSCAPE LIGHTING PLAN- GATEWAY PLAZA

SCALE: 1"=10'-0"

FILE NAME =
PLOT DATE =

DESIGNED — P.L.S.	REVISED — 04-01-11
DRAWN — R.N.R.	REVISED — 04-22-11
CHECKED — J.M.B.	REVISED —
DATE — 3-11	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

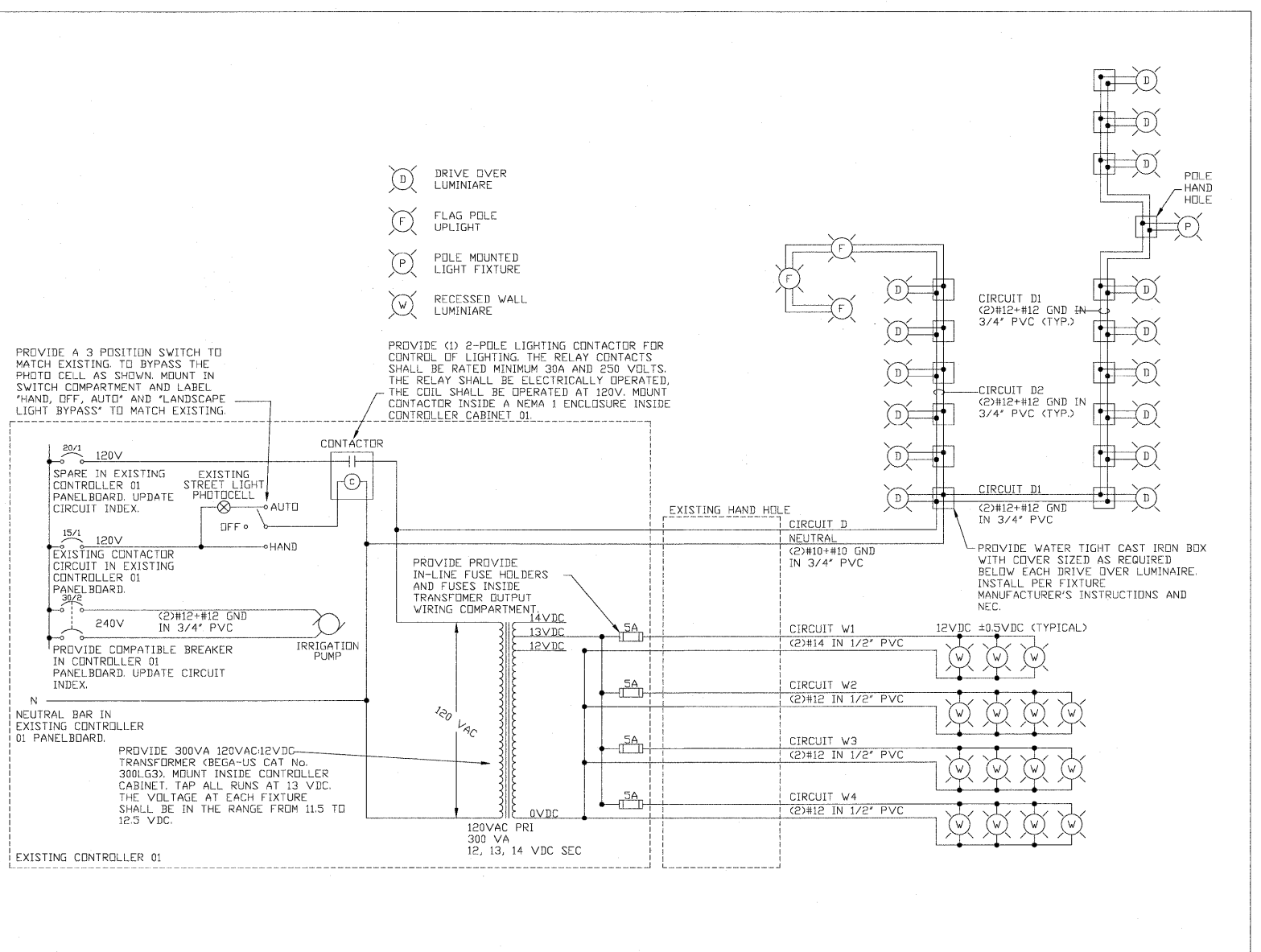
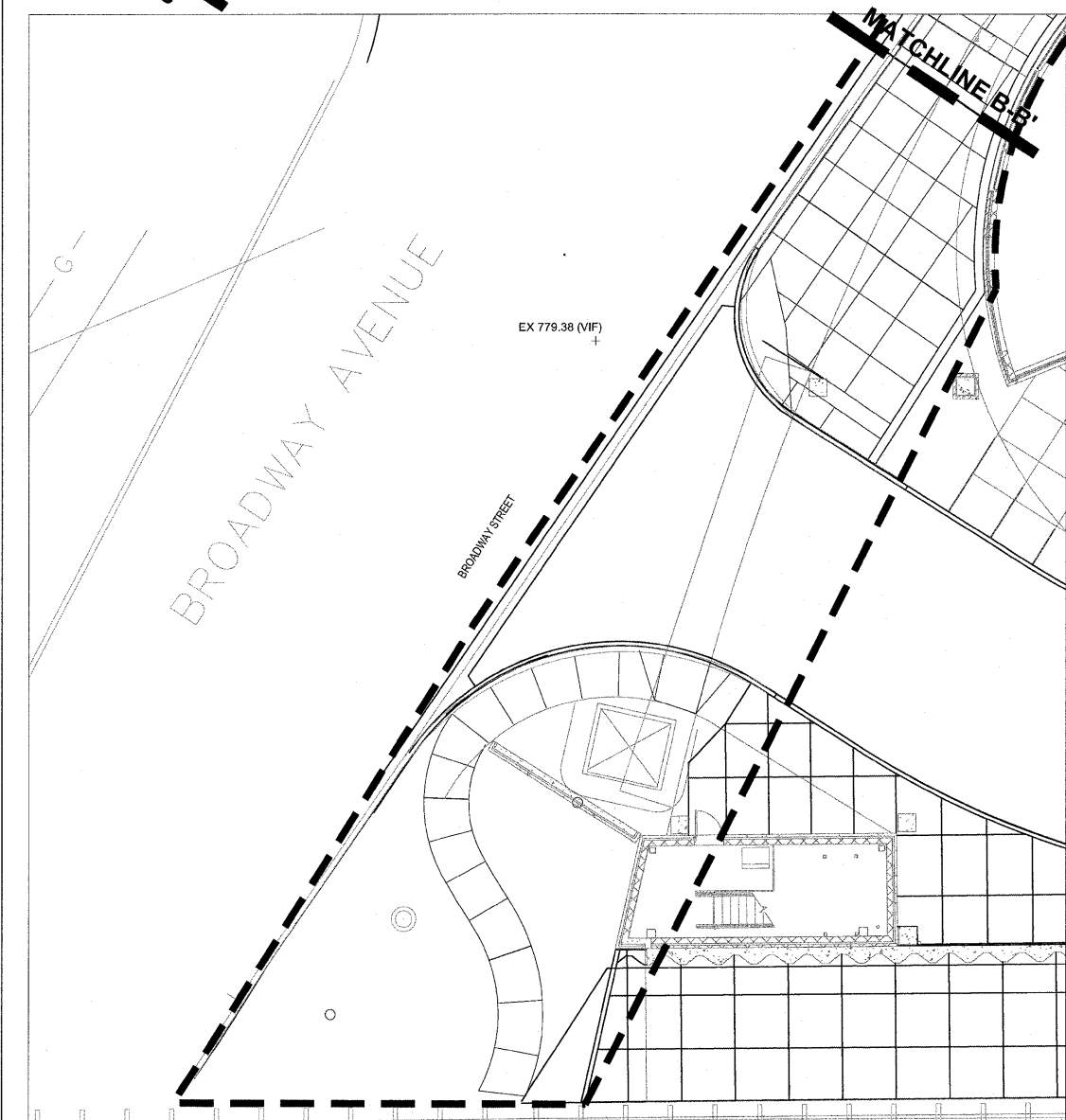
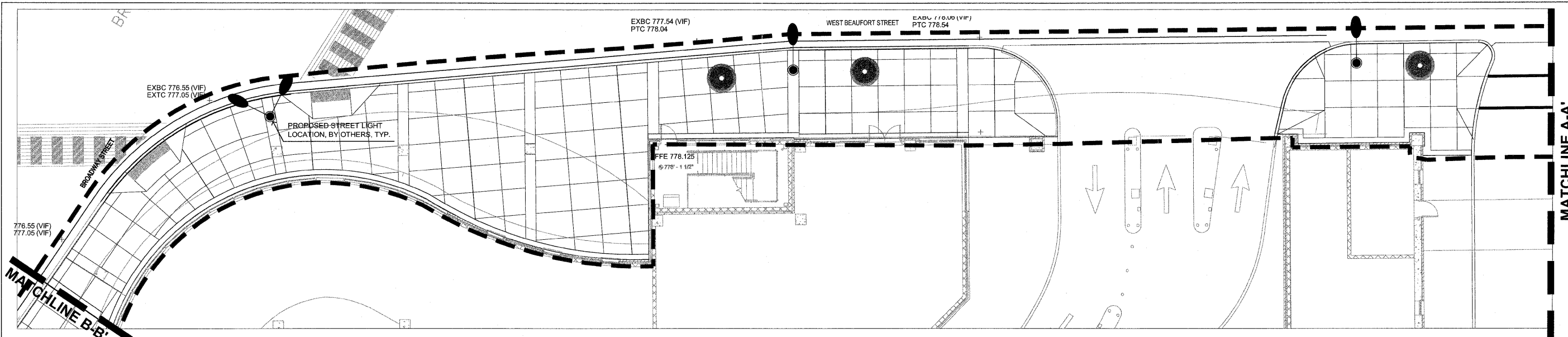
L1.4 - LANDSCAPE LIGHTING PLAN

SCALE: 1"=10'-0" SHEET NO. 17 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	10-00243-02-LS	MCLEAN	40	17
CONTRACT NO. 91461				
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT				

TOWN OF NORMAL SECTION NO. 10-00243-02-LS MCLEAN COUNTY

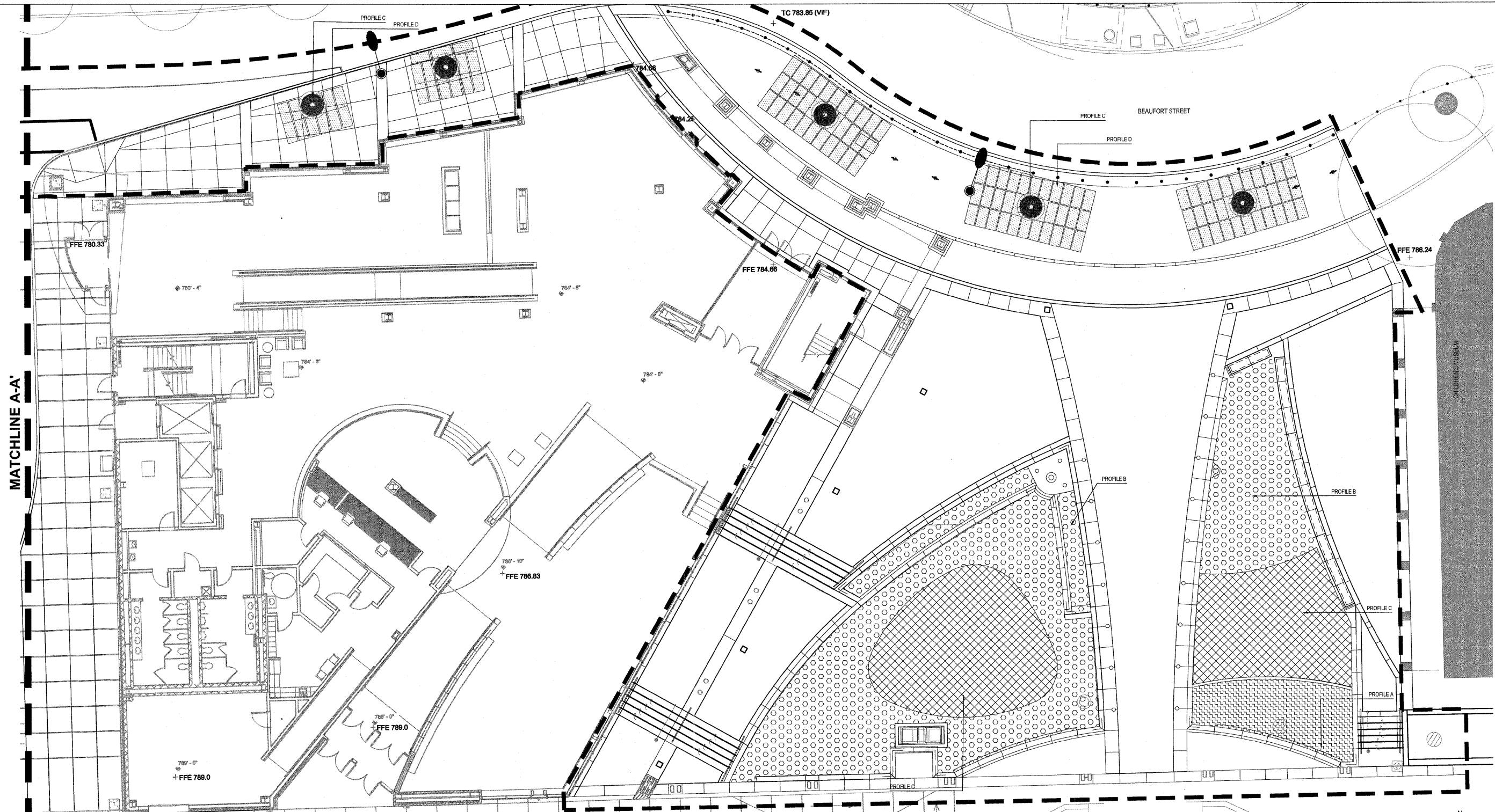
N0240094



A LANDSCAPE LIGHTING PLAN- STREETScape
SCALE: 1"=10'-0"

B LANDSCAPE LIGHTING WIRING DIAGRAM
N.T.S.

FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11	STATE OF ILLINOIS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11	DEPARTMENT OF TRANSPORTATION			10-00243-02-LS	MCLEAN	40	18	
	CHECKED — J.M.B.	REVISED —	L1.5 - LANDSCAPE LIGHTING PLAN			CONTRACT NO. 91461				
	DATE — 3-11	REVISED —	SCALE : 1"=10'-0" SHEET NO. 18 OF 40 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				



A SOILS PLAN - GATEWAY PLAZA
SCALE: 1"=10'-0"

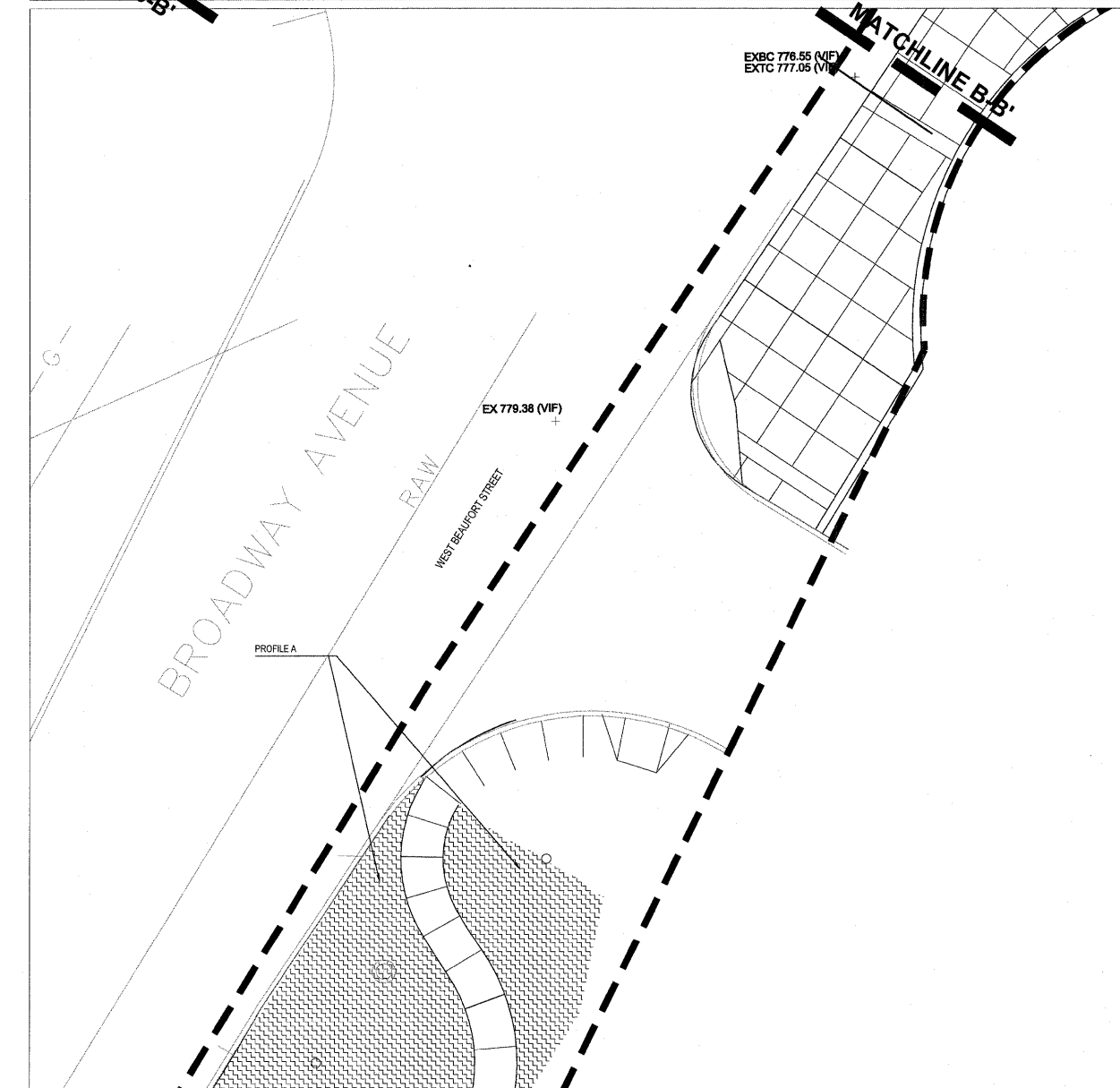
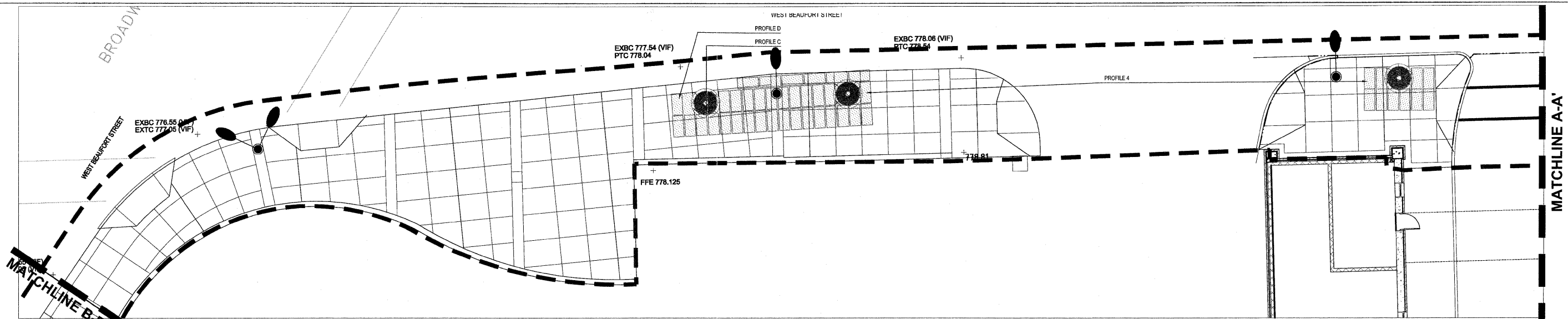
SOIL TYPES		SOIL PROFILES	
1	SANDY CLAY LOAM TOPSOIL		PROFILE A: LANDSCAPE AREA
2	SANDY LOAM SUBSOIL		PROFILE B: LAWN ONLY
3	CA-7 GRANULAR FILL		
			PROFILE C: TREES IN LAWN
			PROFILE D: SILVA CELL

--- LIMIT OF WORK

SOIL TYPE 2 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC FOOT FOR "LANDSCAPE FILL SOIL". SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

SOIL TYPE 1 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC FOOT FOR "TOPSOIL FURNISH AND PLACE, SPECIAL". SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

FILE NAME =	DESIGNED - P.L.S.	REVISED - 04-01-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	L2.0 - SOILS PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE =	DRAWN - R.N.R.	REVISED - 04-22-11		SCALE: 1"=10'-0"	SHEET NO. 19 OF 40 SHEETS	STA. TO STA.	10-00243-02-LS	MCLEAN	40	19
	CHECKED - J.M.B.	REVISED -					CONTRACT NO. 91461			
	DATE - 3-11	REVISED -					FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			



SOIL TYPES

- 1 SANDY CLAY LOAM TOPSOIL
- 2 SANDY LOAM SUBSOIL
- 3 CA-7 GRANULAR FILL

SOIL TYPE 2 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC FOOT FOR "LANDSCAPE FILL SOIL". SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

SOIL TYPE 1 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC FOOT FOR "TOPSOIL FURNISH AND PLACE, SPECIAL". SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

SOIL PROFILES

	PROFILE A: LANDSCAPE AREA	18" MIN SOIL TYPE 1 12" MIN SOIL TYPE 2 SUBGRADE	SEE SECTION B L 4.2
	PROFILE C: TREES IN LAWN	12" MIN SOIL TYPE 1 18" MIN SOIL TYPE 2 SUBGRADE	SEE SECTION B L 4.2
	PROFILE D: SILVA CELL	SOIL TYPE 1 SOIL TYPE 1 SOIL TYPE 1 SOIL TYPE 1 CAR AGGREGATE	SEE DETAIL B L 4.4

A SOIL PLAN - STREETScape

SCALE: 1"=10'-0"

FILE NAME =
PLOT DATE =

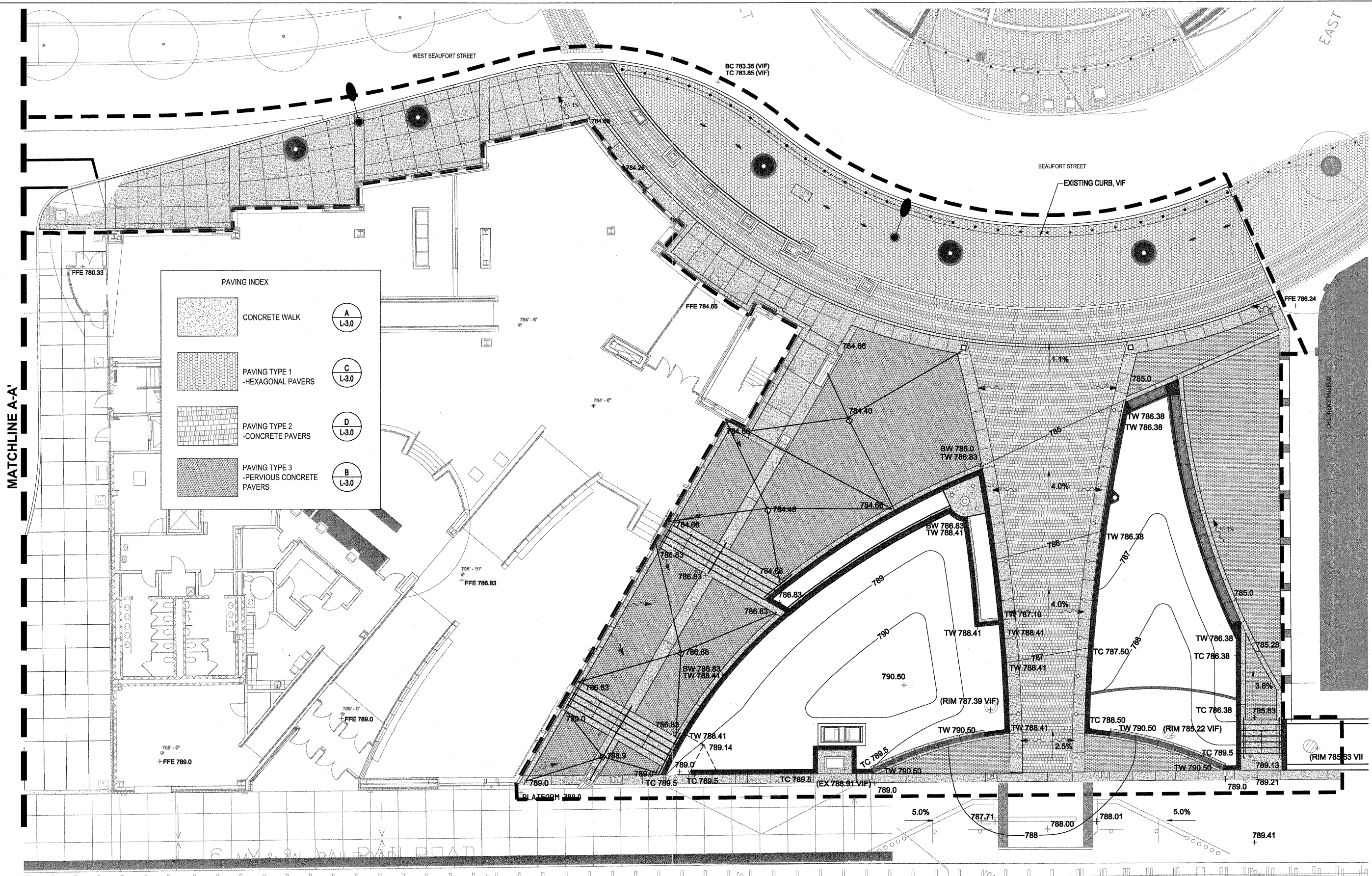
DESIGNED	P.L.S.	REVISED	04-01-11
DRAWN	R.N.R.	REVISED	04-22-11
CHECKED	J.M.B.	REVISED	-
DATE	3-11	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

L2.1 - SOILS PLAN

SCALE: 1"=10'-0" SHEET NO. 20 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00243-02-LS	MCLEAN	40	20
CONTRACT NO. 91461				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



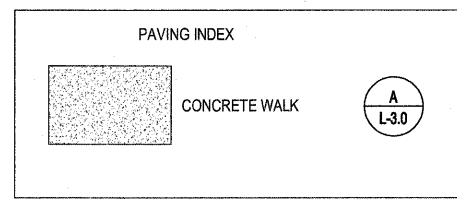
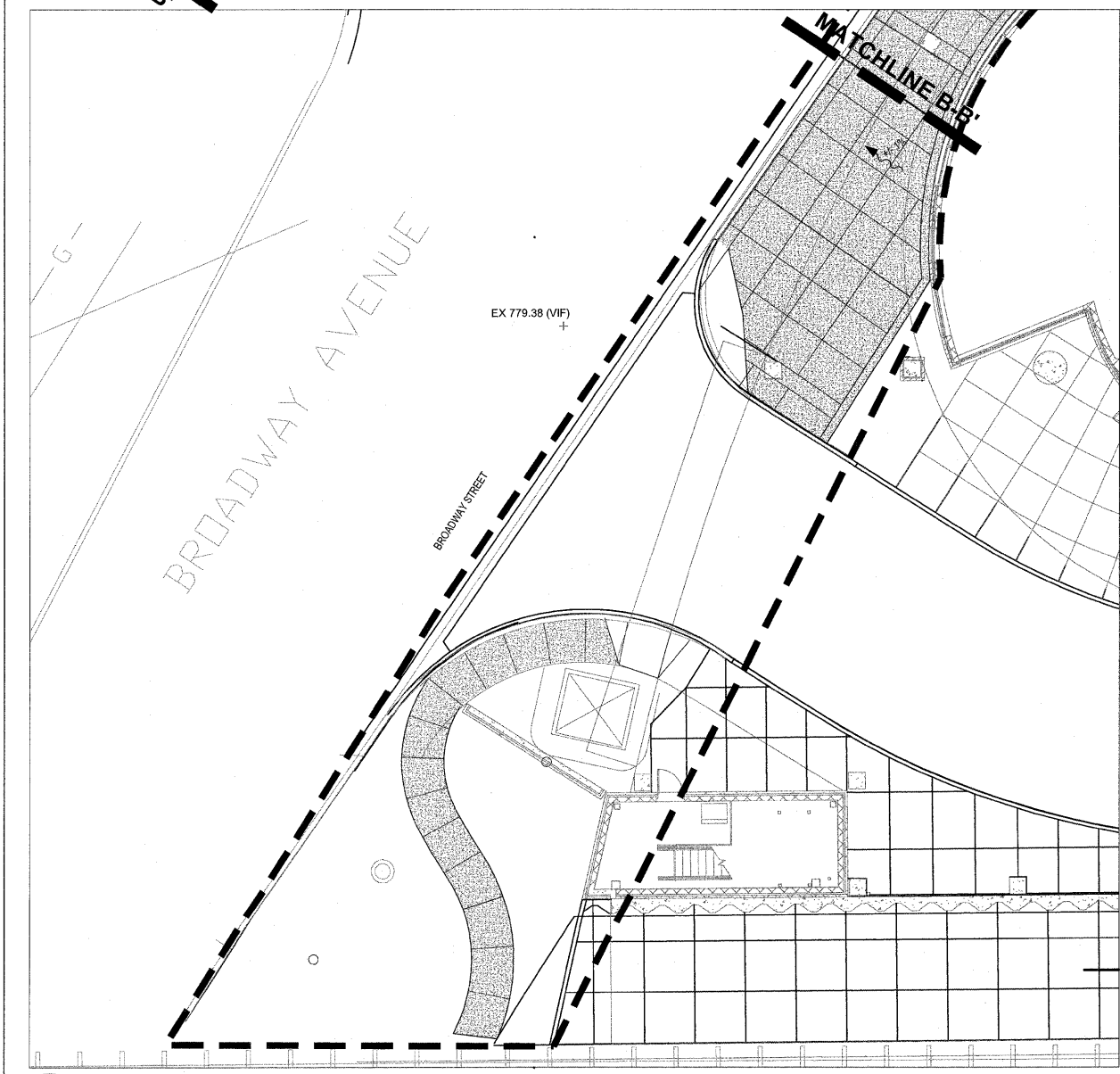
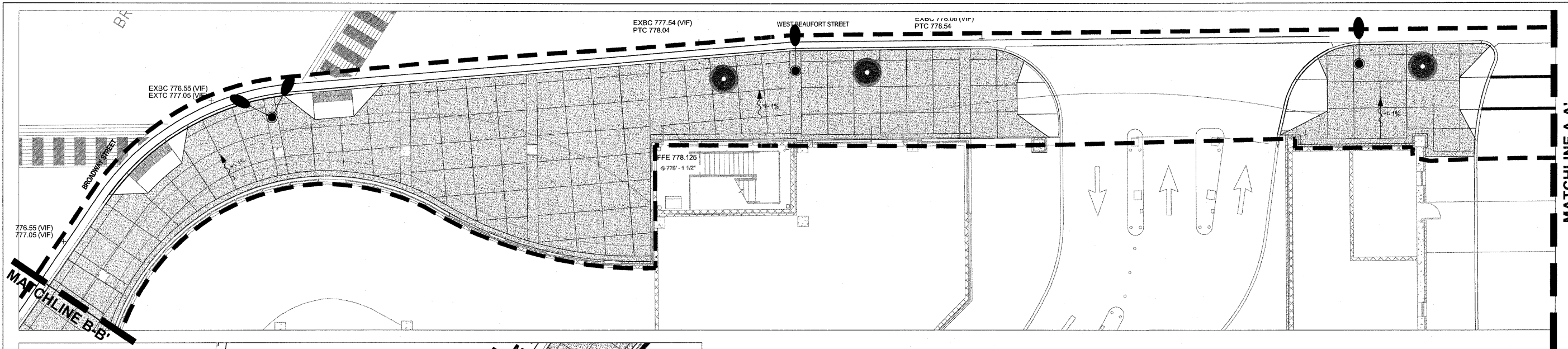
A GRADING PLAN- GATEWAY PLAZA
SCALE: 1"=10'-0"

FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11
	CHECKED — J.M.B.	REVISED —
	DATE — 3-11	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

L2.2 — GRADING PLAN	
SCALE: 1"=10'-0"	SHEET NO. 21 OF 40 SHEETS
STA. _____	TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00243-02-LS	MCLEAN	40	21
CONTRACT NO. 91461				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



A GRADING PLAN- STREETScape
SCALE: 1"=10'-0"

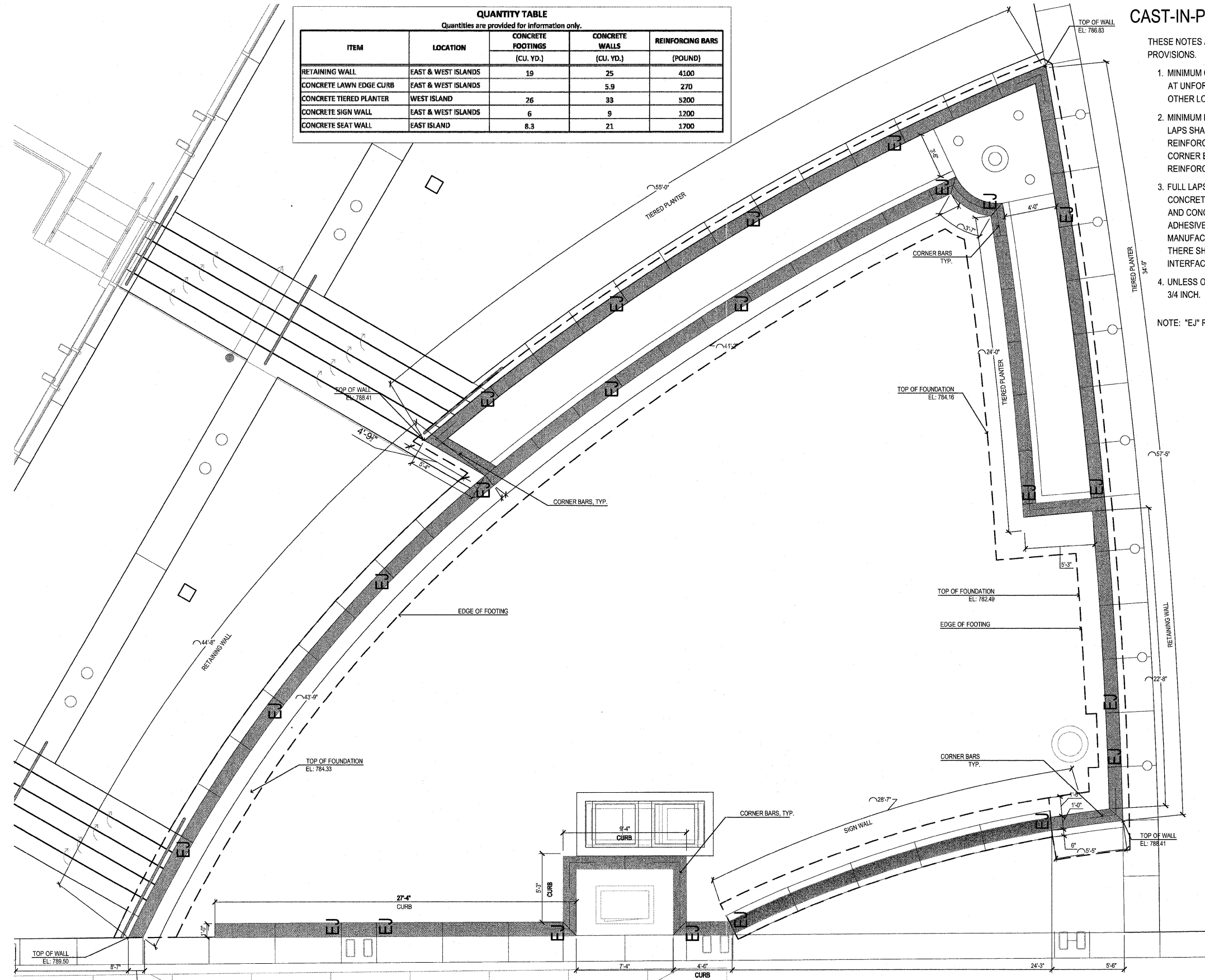


FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		L2.3 — GRADING PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11					10-00243-02-LS	MCLEAN	40	22		
	CHECKED — J.M.B.	REVISED —	TOWN OF NORMAL		SECTION NO. 10-00243-02-LS	McLEAN COUNTY	CONTRACT NO. 91461		ILLINOIS FED. AID PROJECT			
	DATE — 3-11	REVISED —			SCALE : 1"=10'-0"	SHEET NO. 22 OF 40 SHEETS	STA.	TO STA.				

QUANTITY TABLE				
Quantities are provided for information only.				
ITEM	LOCATION	CONCRETE FOOTINGS	CONCRETE WALLS	REINFORCING BARS
		(CU. YD.)	(CU. YD.)	(POUND)
RETAINING WALL	EAST & WEST ISLANDS	19	25	4100
CONCRETE LAWN EDGE CURB	EAST & WEST ISLANDS		5.9	270
CONCRETE TIERED PLANTER	WEST ISLAND	26	33	5200
CONCRETE SIGN WALL	EAST & WEST ISLANDS	6	9	1200
CONCRETE SEAT WALL	EAST ISLAND	8.3	21	1700

CAST-IN-PLACE CONCRETE NOTES:

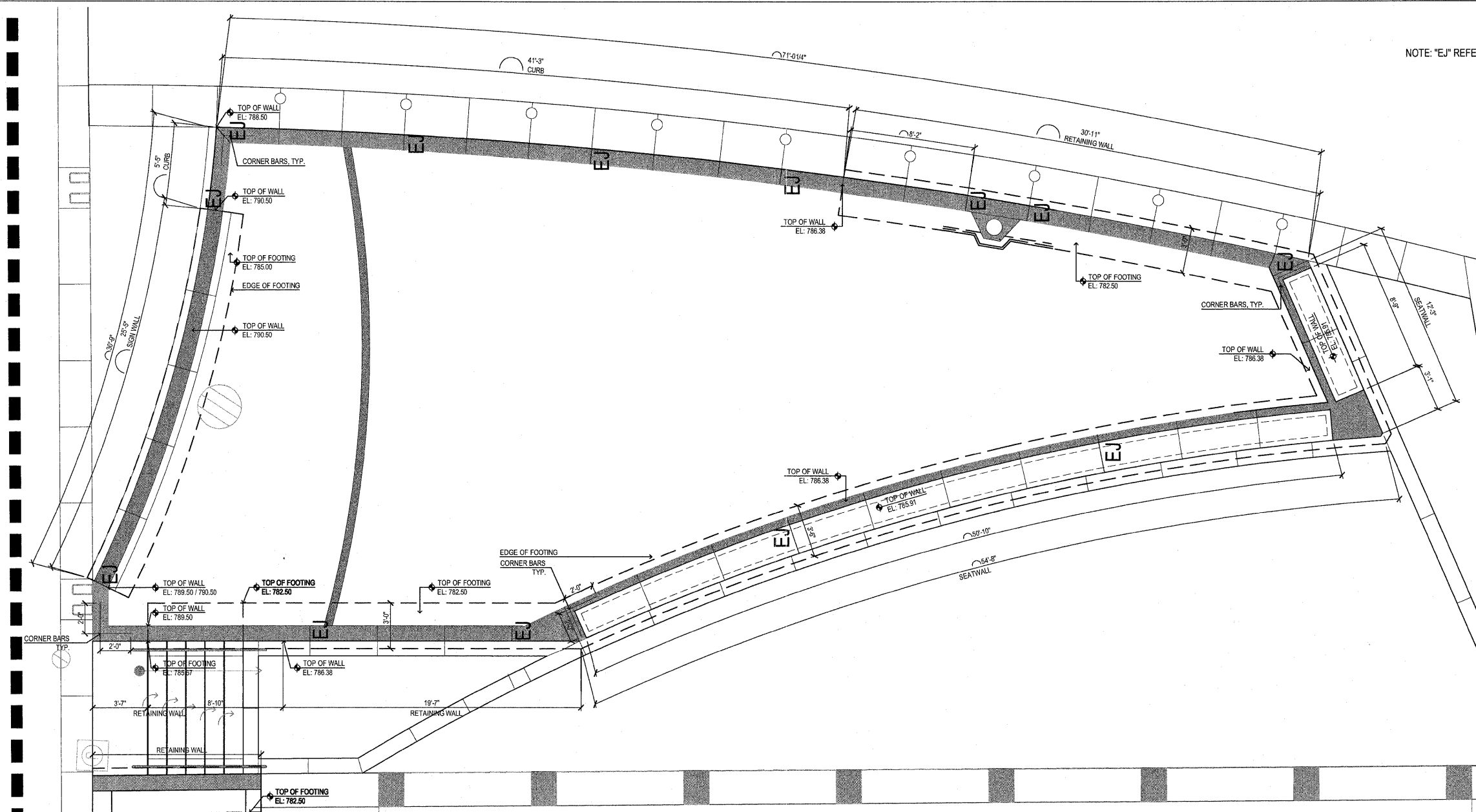
- THESE NOTES ARE IN ADDITION TO THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
1. MINIMUM COVER FOR REINFORCEMENT IN CAST-IN-PLACE CONCRETE SHALL BE 3" AT UNFORMED SURFACES AND BOTTOMS IN CONTACT WITH EARTH AND 2" AT ALL OTHER LOCATIONS.
 2. MINIMUM LAP LENGTH FOR #4 REINFORCEMENT IS 1'-8" AT ALL LOCATIONS. FULL LAPS SHALL BE PROVIDED BETWEEN FOOTING DOWEL BARS AND VERTICAL WALL REINFORCEMENT AND BETWEEN ALL HORIZONTAL RUNS OF REINFORCEMENT. CORNER BARS SHALL BE PROVIDED WITH FULL LAPS BETWEEN HORIZONTAL REINFORCEMENT IN ADJACENT WALLS.
 3. FULL LAPS OR DOWEL BARS SHALL BE PROVIDED BETWEEN ALL ADJACENT CONCRETE ELEMENTS OF EACH ISLAND SUCH AS BETWEEN RETAINING WALLS AND CONCRETE TIERED PLANTER. DOWEL BARS MAY BE DRILLED AND SET IN ADHESIVE WITH MINIMUM EMBEDMENT RECOMMENDED BY THE ADHESIVE MANUFACTURER TO DEVELOP THE YIELD CAPACITY OF THE REINFORCING BAR. THERE SHALL BE ONE DOWEL BAR PER HORIZONTAL BAR AT THE OVERLAPPING INTERFACE BETWEEN CONCRETE ELEMENTS.
 4. UNLESS OTHERWISE SHOWN, CHAMFER ALL EXPOSED EDGES OF CONCRETE TO 3/4 INCH.
- NOTE: "EJ" REFERS TO AN EXPANSION JOINT.



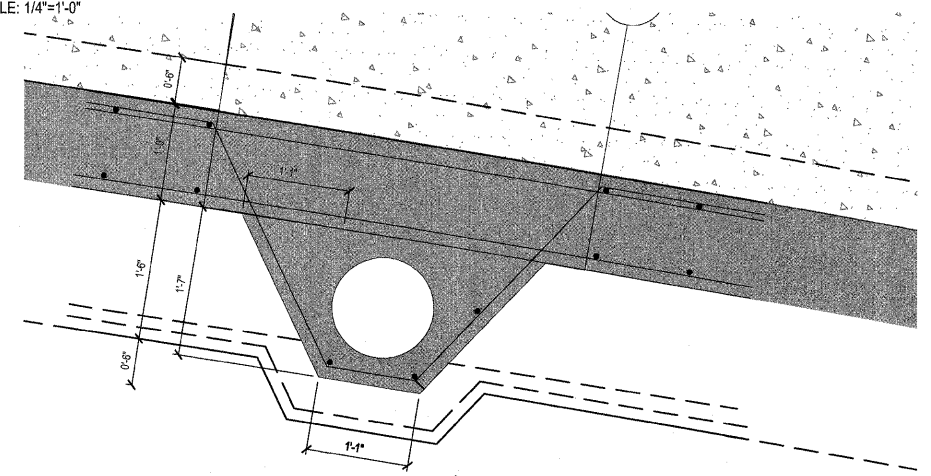
A WEST ISLAND - WALL AND FOOTING PLAN
SCALE: 1/4"=1'-0"

FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		L2.4 - WEST WALL AND FOOTING PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11			SCALE :1/4"=1'-0" SHEET NO. 23 OF 40 SHEETS STA. TO STA.		10-00243-02-LS	MCLEAN	40	23	
	CHECKED — J.M.B.	REVISED —					CONTRACT NO. 91461				
	DATE — 3-11	REVISED —					FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT				

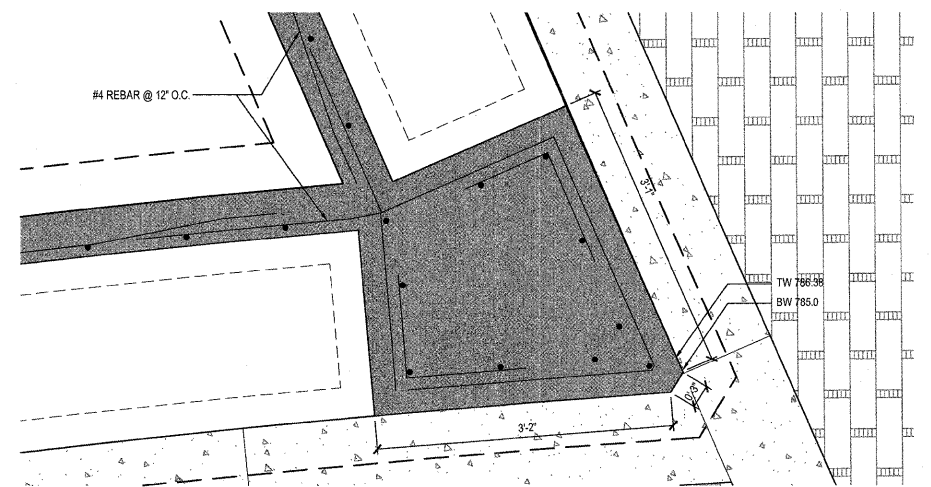
NOTE: "EJ" REFERS TO AN EXPANSION JOINT



A EAST ISLAND - WALL AND FOOTING PLAN
SCALE: 1/4"=1'-0"



B EAST ISLAND - LIGHT FOUNDATION DETAIL
SCALE: 1"=1'-0"



C EAST ISLAND - SEATWALL CORNER DETAIL
SCALE: 1"=1'-0"

FILE NAME =
PLOT DATE =

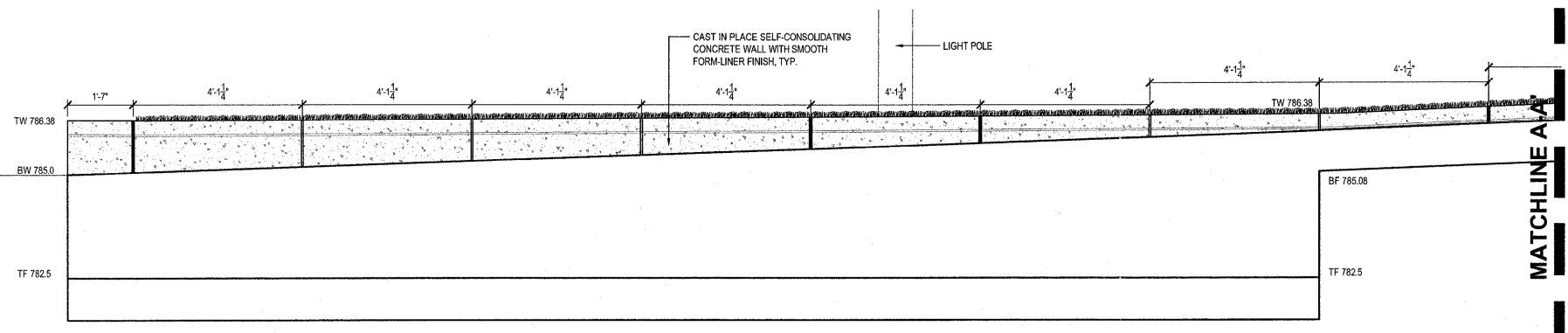
DESIGNED — P.L.S.	REVISED — 04-01-11
DRAWN — R.N.R.	REVISED — 04-22-11
CHECKED — J.M.B.	REVISED —
DATE — 3-11	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

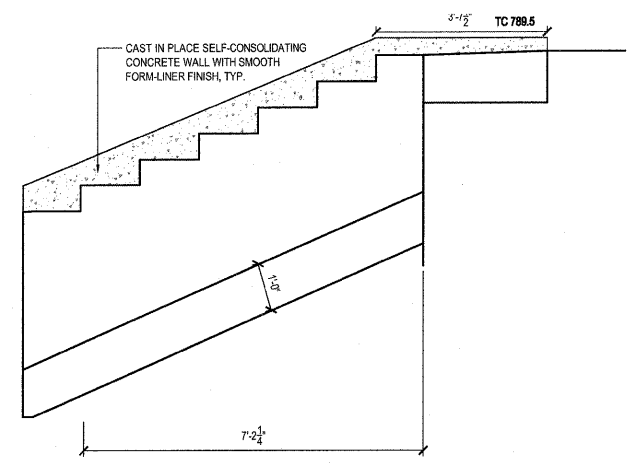
L2.5 - EAST - WALL AND FOOTING PLAN

SCALE : SHEET NO. 24 OF 40 SHEETS STA. TO STA.

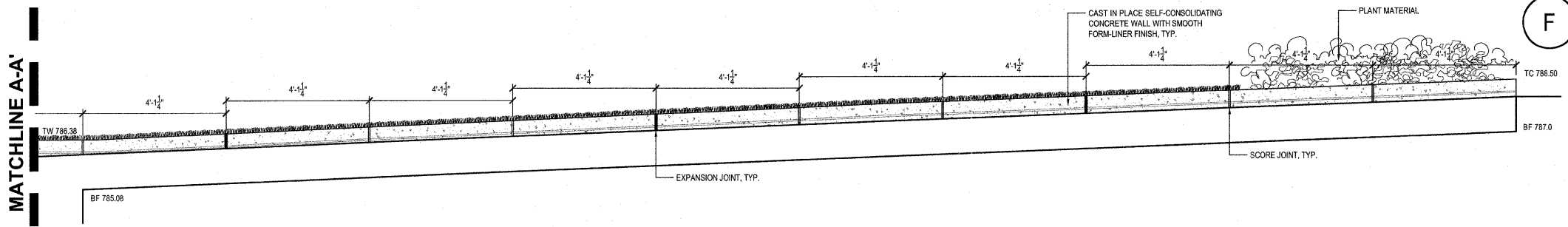
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	10-00243-02-LS	MCLEAN	40	24
FED. ROAD DIST. NO. -- ILLINOIS FED. AID PROJECT			CONTRACT NO. 91461	



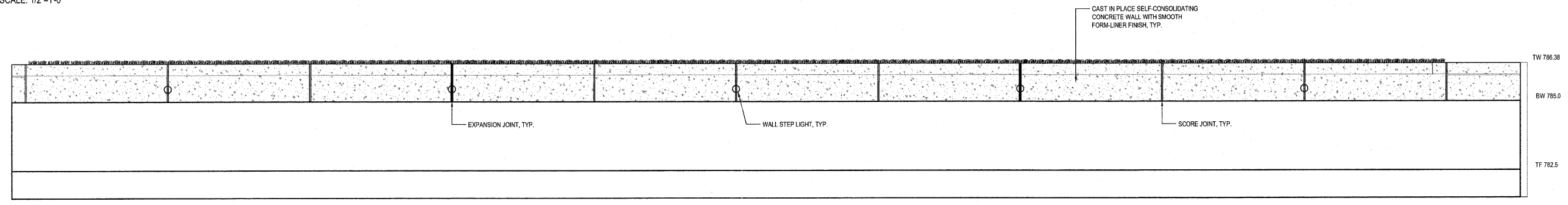
A EAST ISLAND - CONSTITUTION TRAIL ELEVATION
SCALE: 1/2"=1'-0"



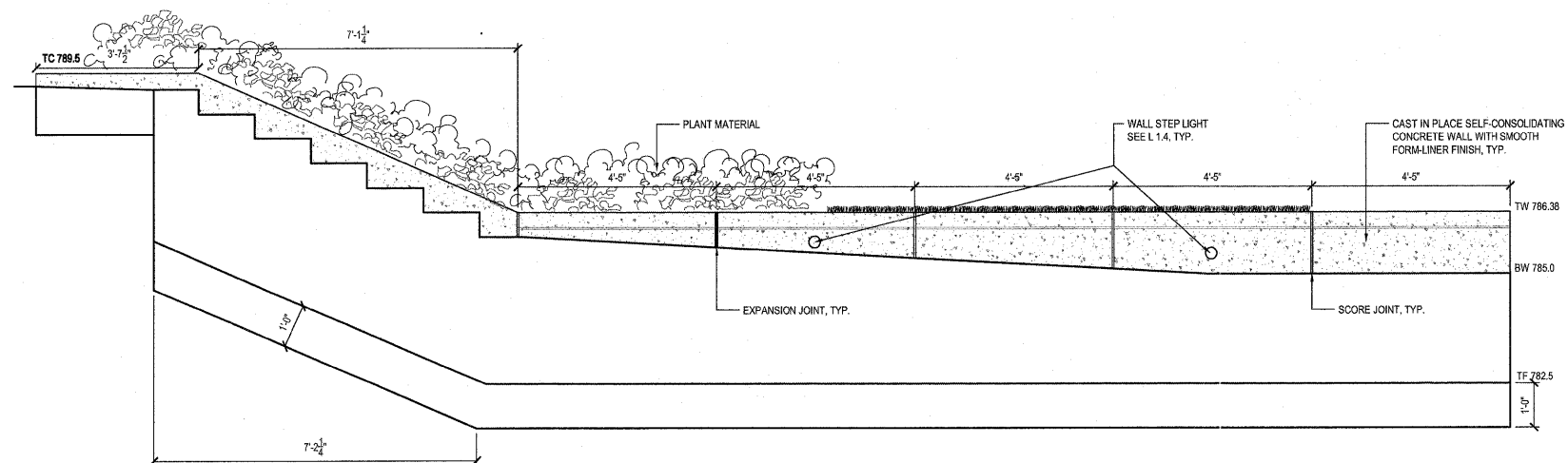
F SOUTHEAST STAIRWELL - WALL ELEVATION
SCALE: 1/2"=1'-0"



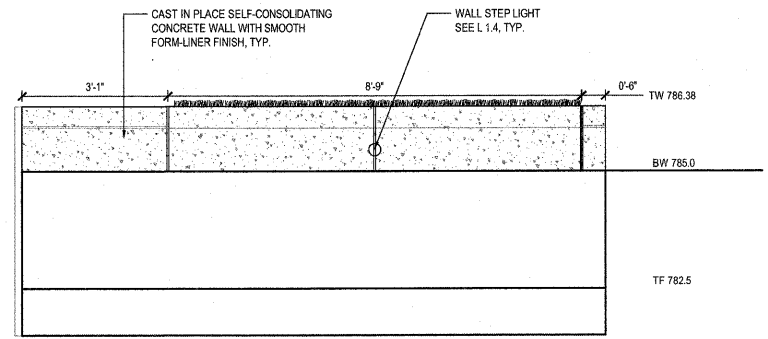
B EAST ISLAND - CONSTITUTION TRAIL ELEVATION
SCALE: 1/2"=1'-0"



C EAST ISLAND - SEATWALL ELEVATION
SCALE: 1/2"=1'-0"

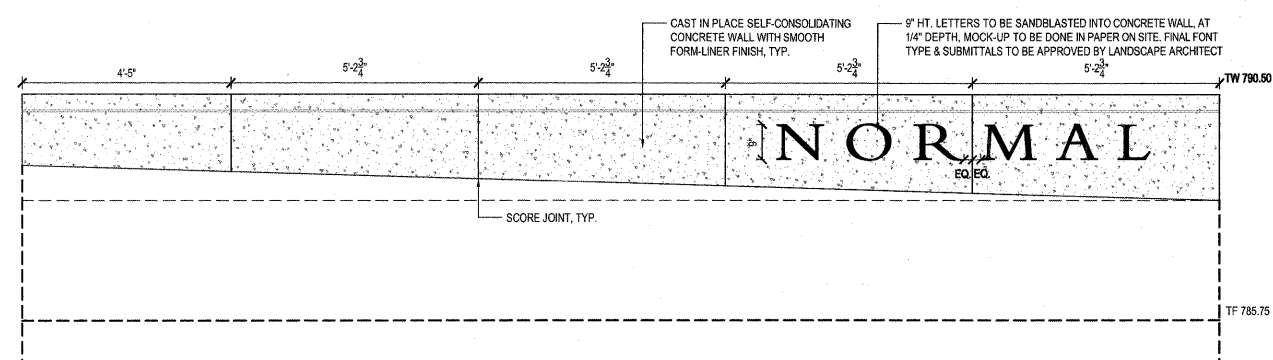


D EAST ISLAND - STAIRWAY WALL ELEVATION
SCALE: 1/2"=1'-0"

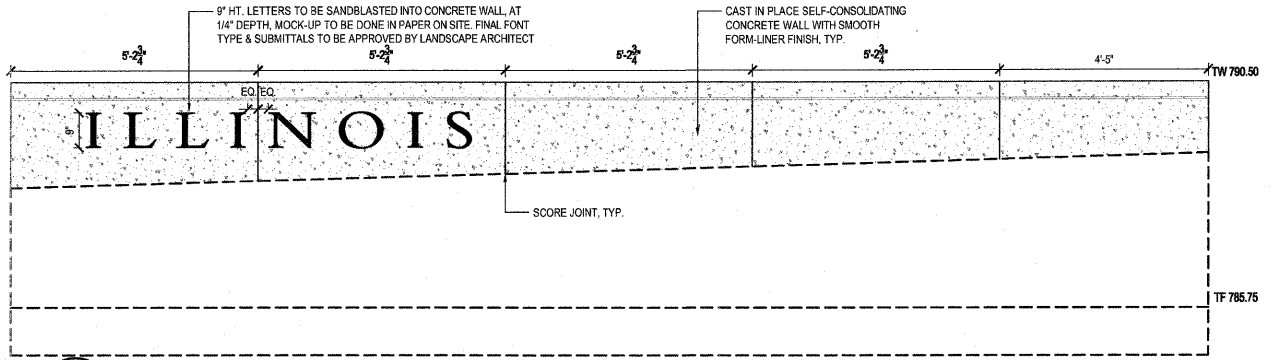


E EAST ISLAND - STAIRWAY WALL ELEVATION
SCALE: 1/2"=1'-0"

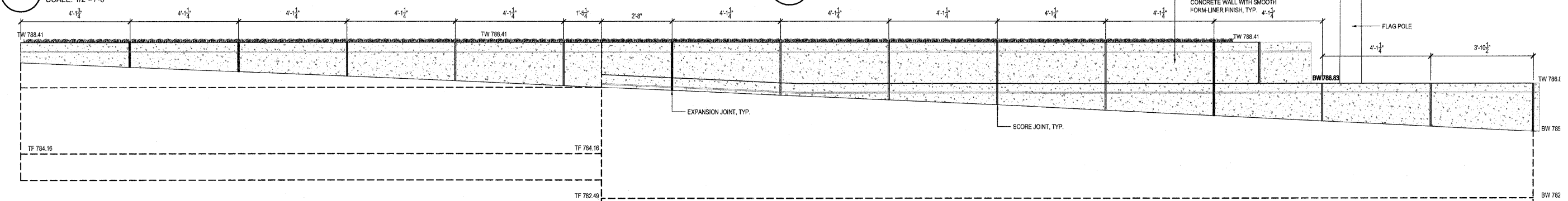
FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		L2.6 — EAST ISLAND WALL ELEVATIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11					10-00243-02-LS	MCLEAN	40	25		
	CHECKED — J.M.B.	REVISED —			SCALE: 1/2"=1'-0"	SHEET NO. 25 OF 40 SHEETS	STA.	TO STA.	CONTRACT NO. 91461			
	DATE — 3-11	REVISED —						FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



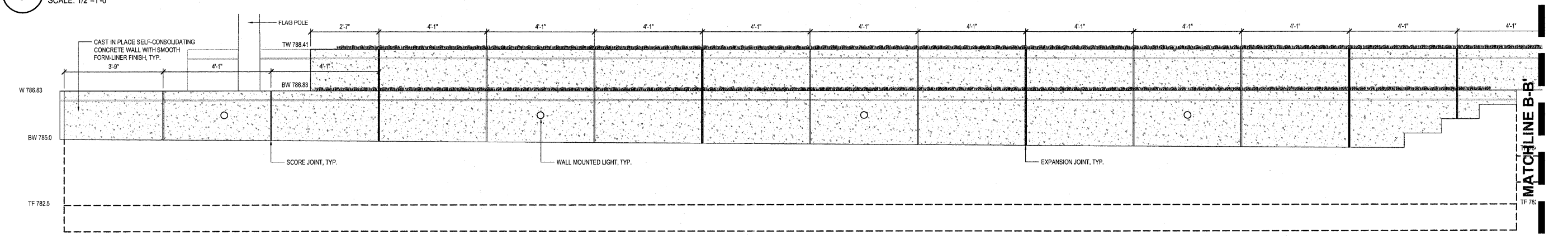
A WEST ISLAND - PLATFORM SIGN WALL ELEVATION
SCALE: 1/2"=1'-0"



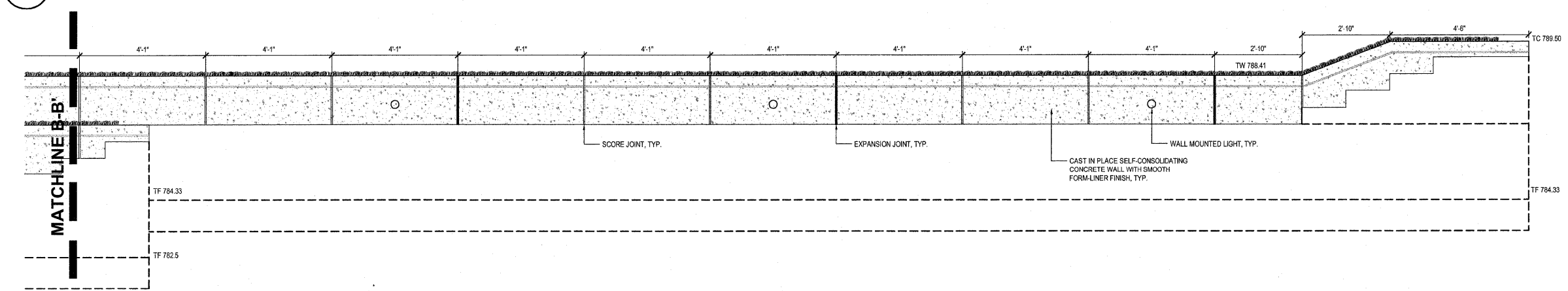
B EAST ISLAND - PLATFORM SIGN WALL ELEVATION
SCALE: 1/2"=1'-0"



C WEST ISLAND - CONSTITUTION TRAIL WALL ELEVATION
SCALE: 1/2"=1'-0"

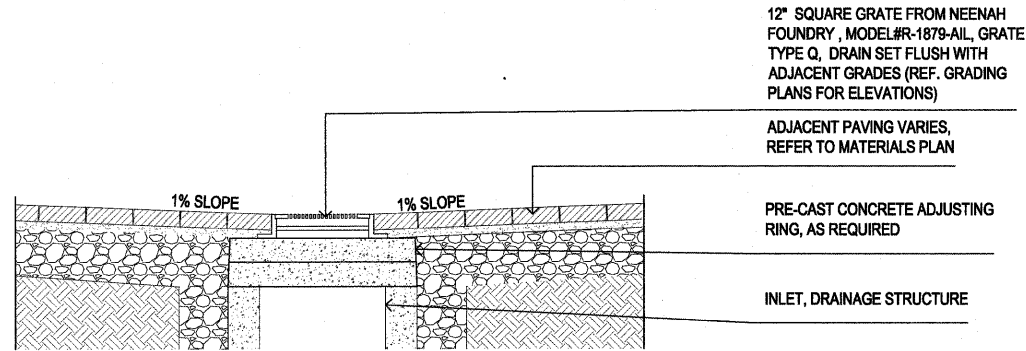


D WEST ISLAND - TIERED WALL ELEVATION
SCALE: 1/2"=1'-0"

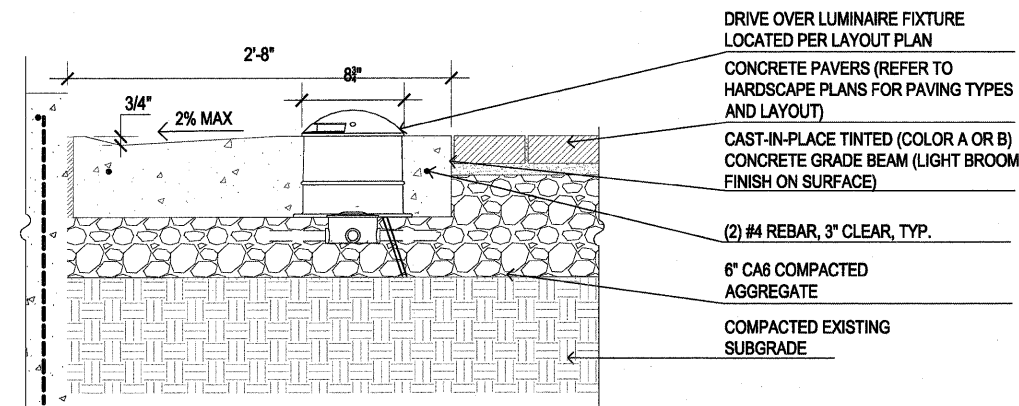


E WEST ISLAND - TIERED WALL ELEVATION
SCALE: 1/2"=1'-0"

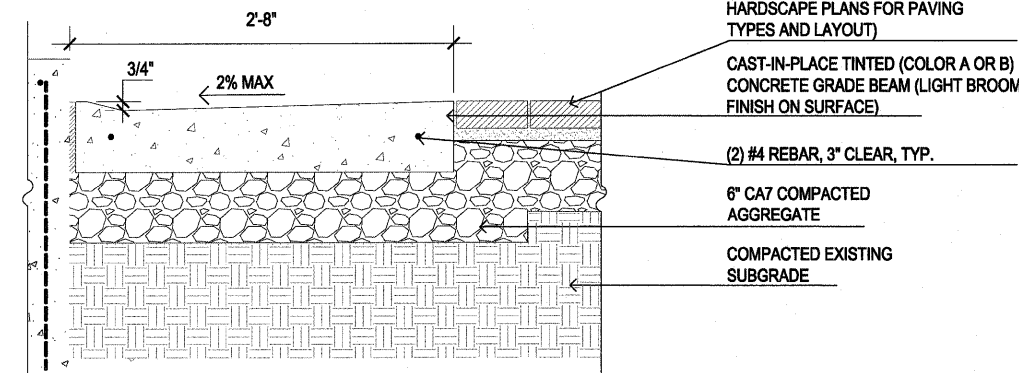
FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		L2.7 - WEST ISLAND WALL ELEVATIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11					10-00243-02-LS	MCLEAN	40	26	
	CHECKED — J.M.B.	REVISED —					CONTRACT NO. 91461				
	DATE — 3-11	REVISED —					FED. ROAD DIST. NO. -- ILLINOIS FED. AID PROJECT				
			TOWN OF NORMAL	SECTION NO. 10-00243-02-LS	McLEAN COUNTY	SCALE: 1/2"=1'-0"	SHEET NO. 26 OF 40 SHEETS	STA.	TO STA.		



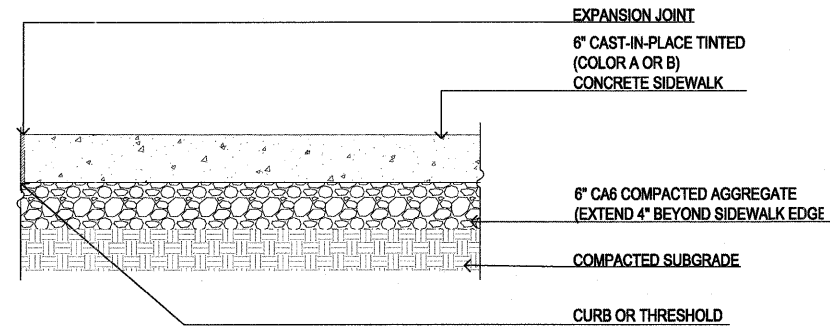
I DRAIN INLET
SCALE: 1" = 1'-0"



G CONCRETE BANDING WITH LUMINAIRE
SCALE: 1-1/2" = 1'-0"



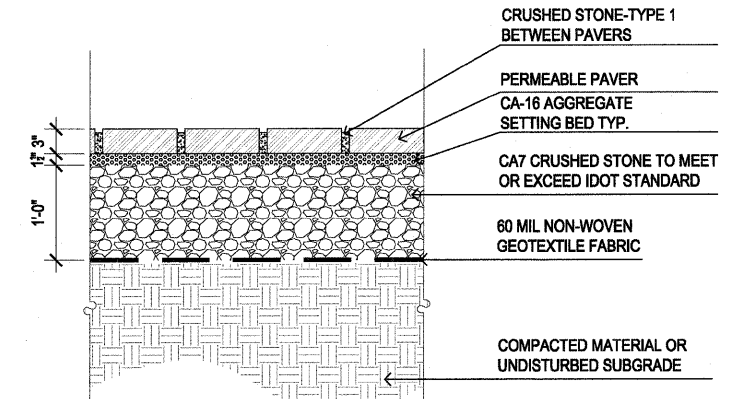
H CONCRETE BANDING AT WALL
SCALE: 1-1/2" = 1'-0"



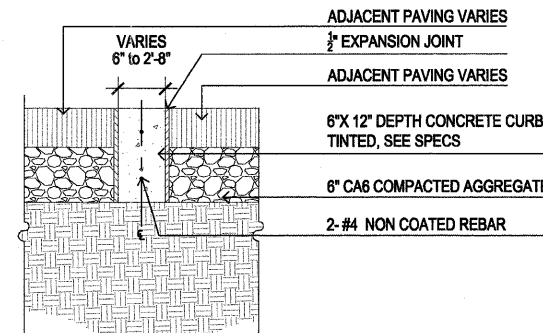
A CONCRETE WALK
SCALE: 1" = 1'-0"

PERVIOUS CONCRETE PAVER (TYPE 3) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR INTERLOCKING CONCRETE PAVERS. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

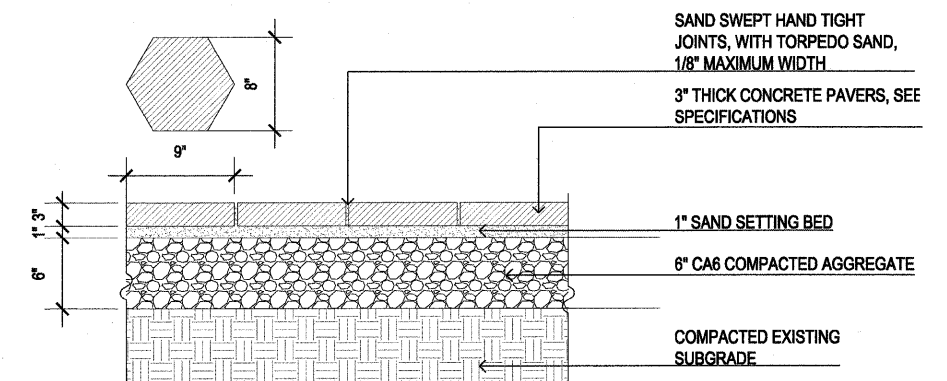
HEXAGONAL PAVERS (TYPE 1) AND CONCRETE PAVERS (TYPE 2) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR UNIT PAVERS. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



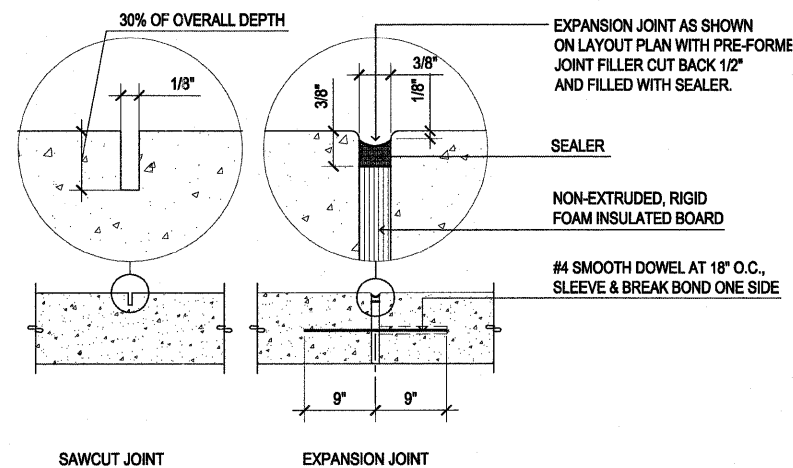
B PERVIOUS CONCRETE PAVERS - TYPE 3
SCALE: 1" = 1'-0"



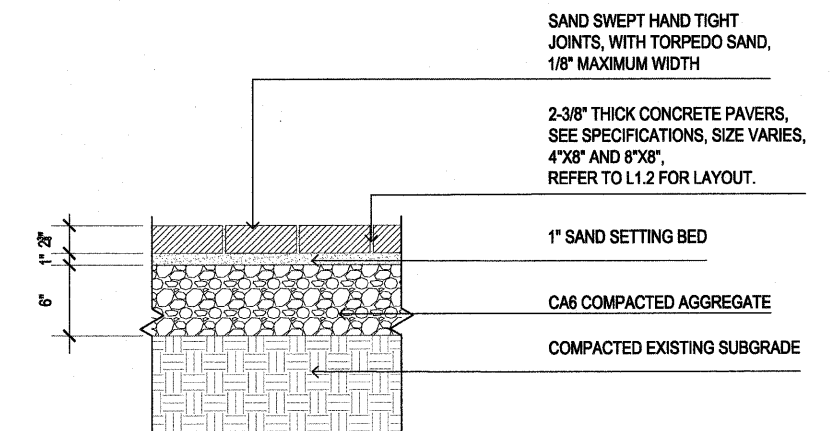
E CONCRETE BANDING
SCALE: 1" = 1'-0"



C HEXAGONAL PAVERS - TYPE 1
SCALE: 1 1/2" = 1'-0"



F CONCRETE JOINTS
SCALE: 1" = 1'-0"



D CONCRETE PAVERS - TYPE 2
SCALE: 1" = 1'-0"

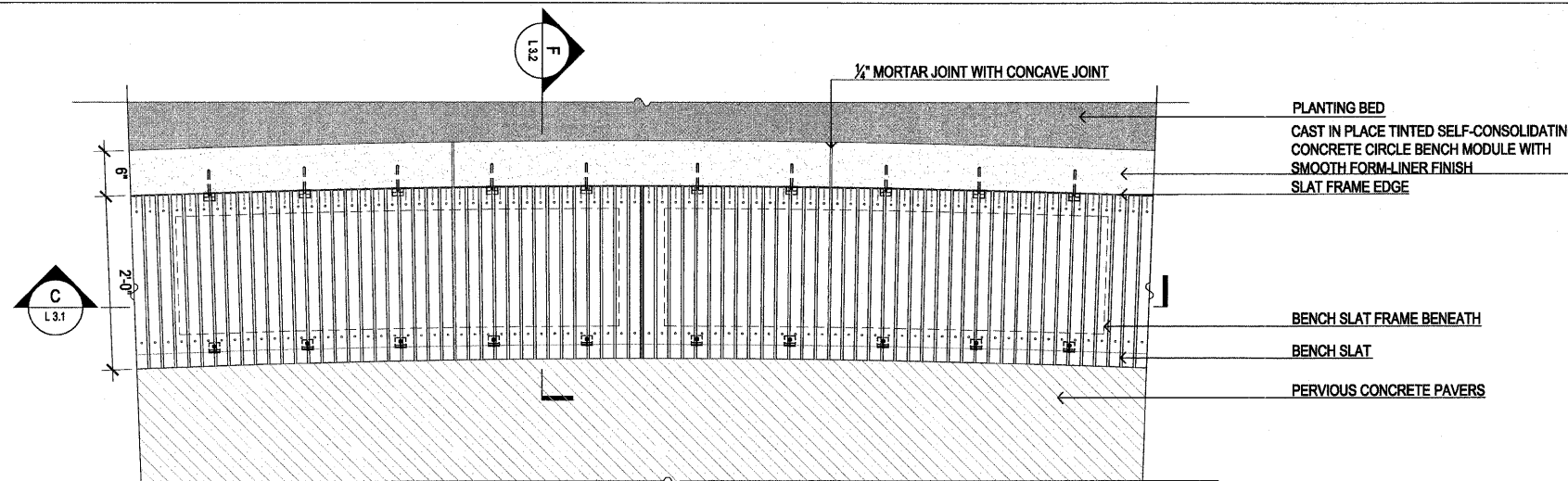
FILE NAME =	DESIGNED -- P.L.S.	REVISED -- 04-01-11
PLOT DATE =	DRAWN -- R.N.R.	REVISED -- 04-22-11
	CHECKED -- J.M.B.	REVISED --
	DATE -- 3-11	REVISED --

STATE OF ILLINOIS	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DEPARTMENT OF TRANSPORTATION	---	10-00243-02-LS	MCLEAN	40	27
				CONTRACT NO. 91461	
				FED. ROAD DIST. NO. -- ILLINOIS FED. AID PROJECT	

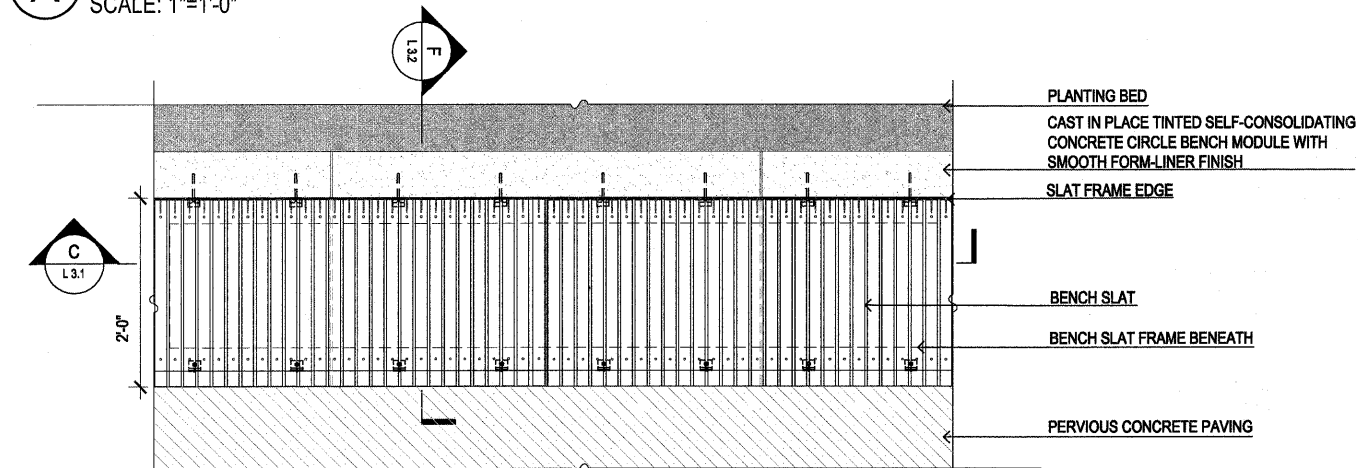
L3.0 - HARDSCAPE DETAILS	SCALE :	SHEET NO. 27 OF 40 SHEETS	STA.	TO STA.
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TOWN OF NORMAL	SECTION NO. 10-00243-02-LS	MCLEAN COUNTY
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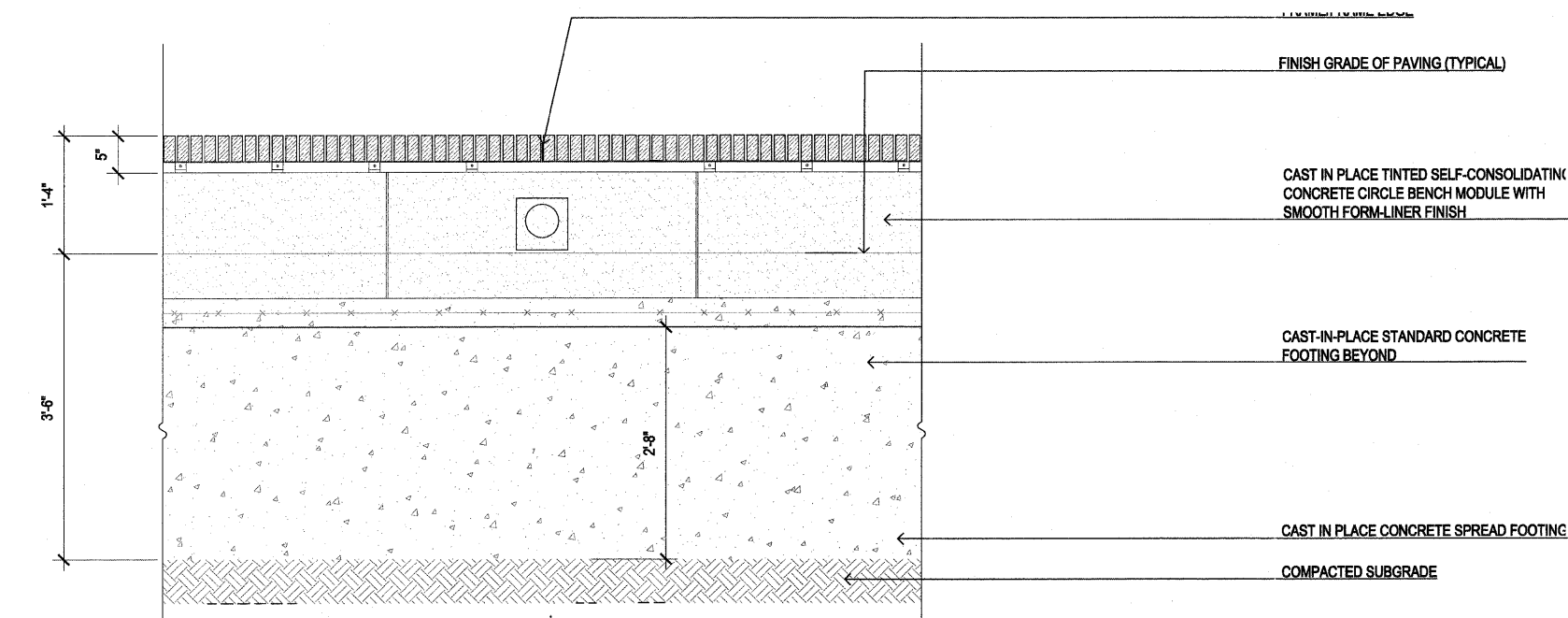
TOWN OF NORMAL	SECTION NO. 10-00243-02-LS	MCLEAN COUNTY
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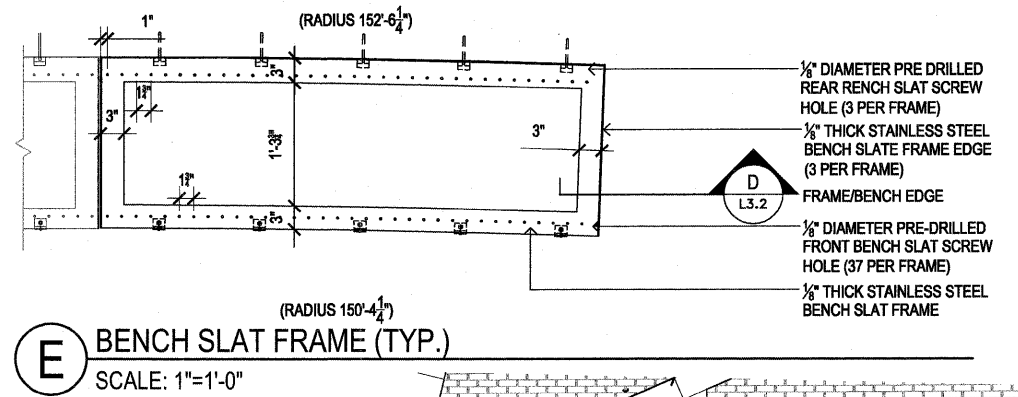
A SEATWALL PLAN
SCALE: 1"=1'-0"



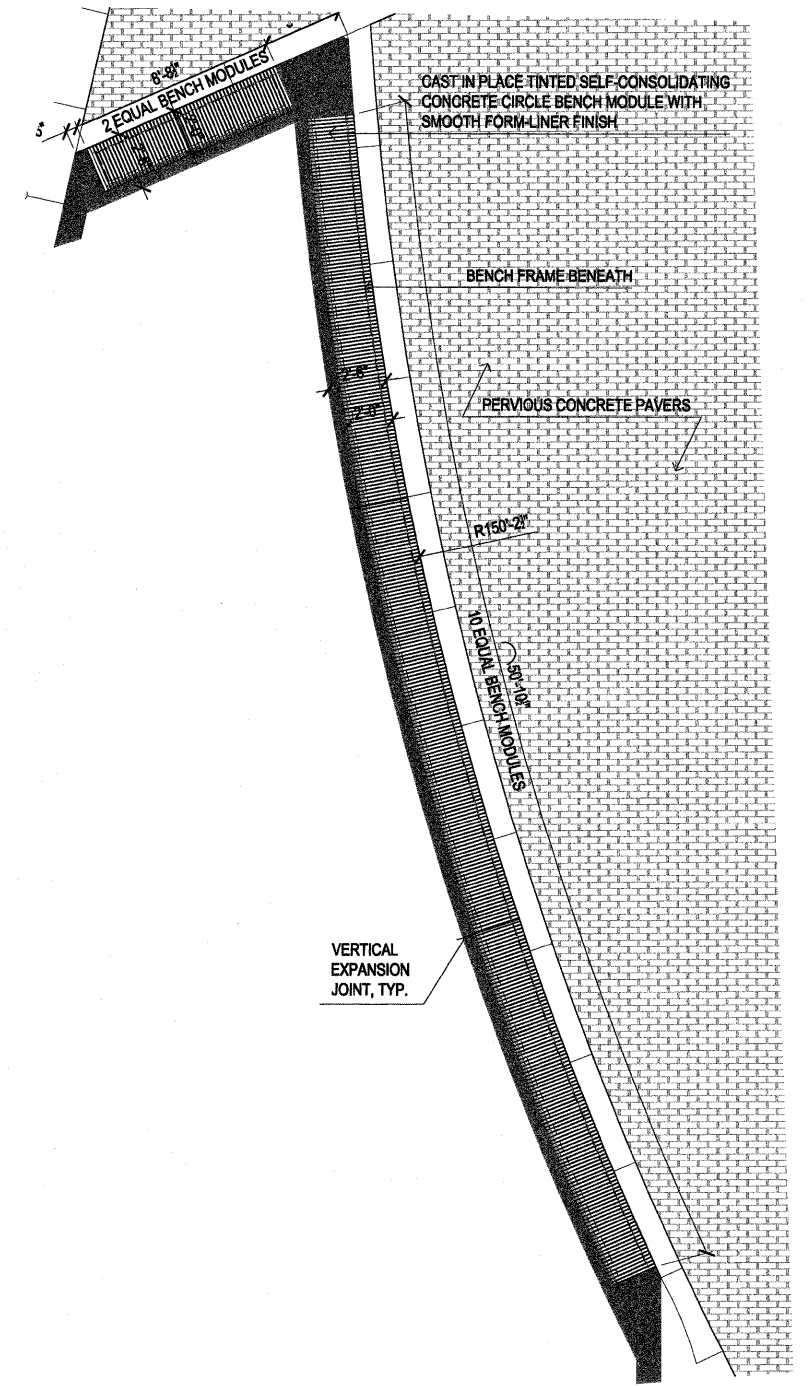
B SEATWALL PLAN
SCALE: 1"=1'-0"



C SEATWALL ELEVATION
SCALE: 1"=1'-0"



E BENCH SLAT FRAME (TYP.)
SCALE: 1"=1'-0"



D BENCH ENLARGEMENT PLAN
SCALE: 1/4"=1'-0"

FILE NAME =
PLOT DATE =

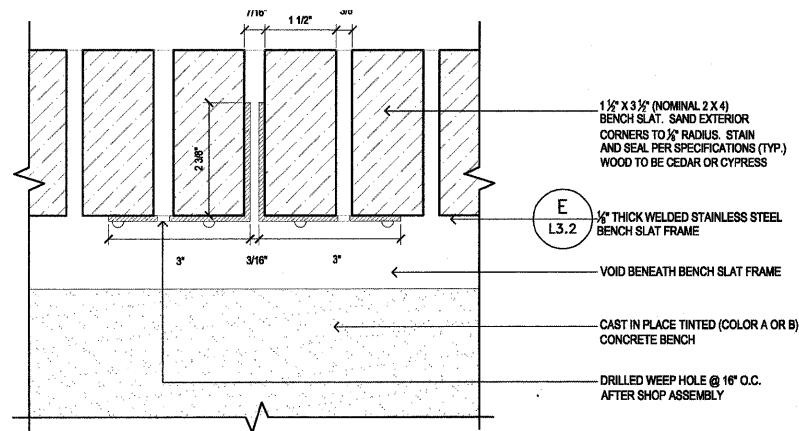
DESIGNED — P.L.S.	REVISED — 04-01-11
DRAWN — R.N.R.	REVISED — 04-22-11
CHECKED — J.M.B.	REVISED —
DATE — 3-11	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

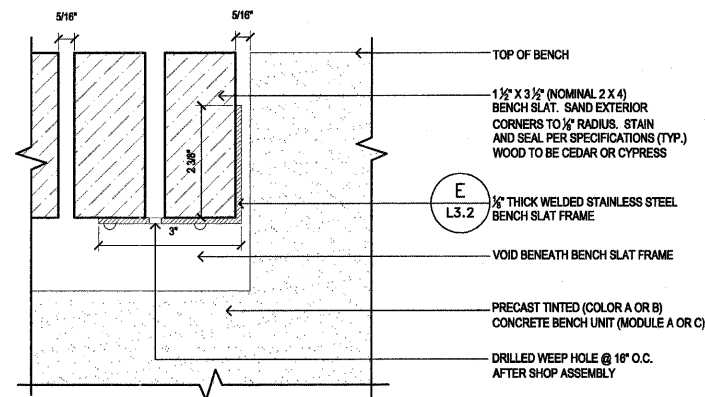
L3.1 — HARDSCAPE DETAILS

SCALE : SHEET NO. 28 OF 40 SHEETS STA. TO STA.

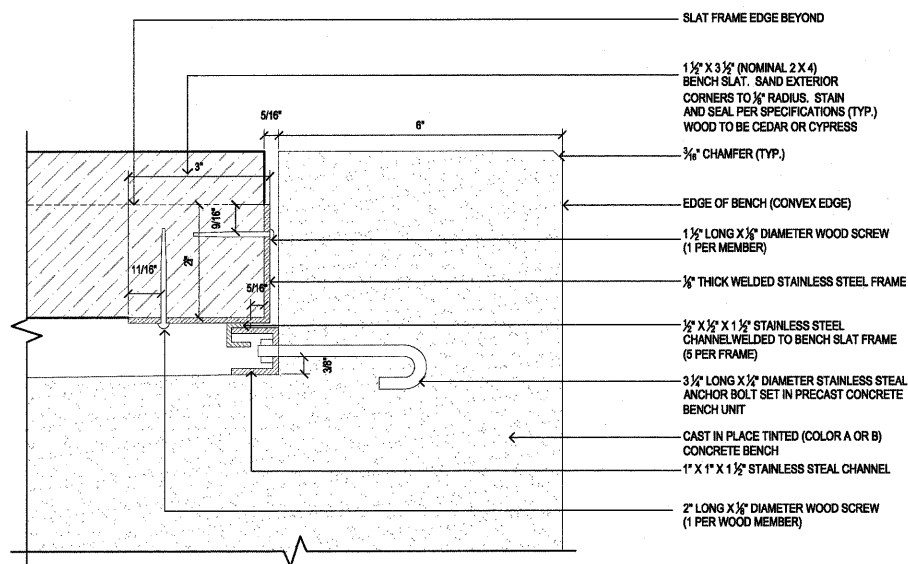
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00243-02-LS	MCLEAN	40	28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 91461	



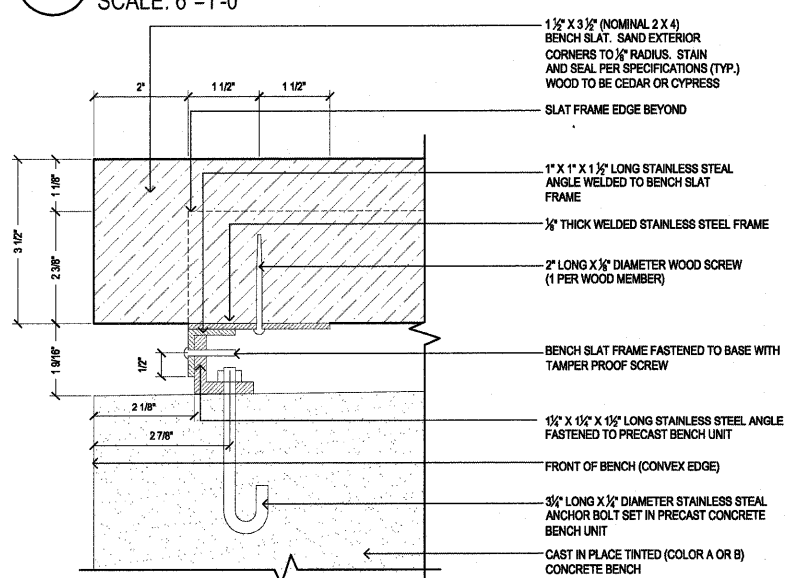
A FRAME/FRAME EDGE DETAIL
SCALE: 6"=1'-0"



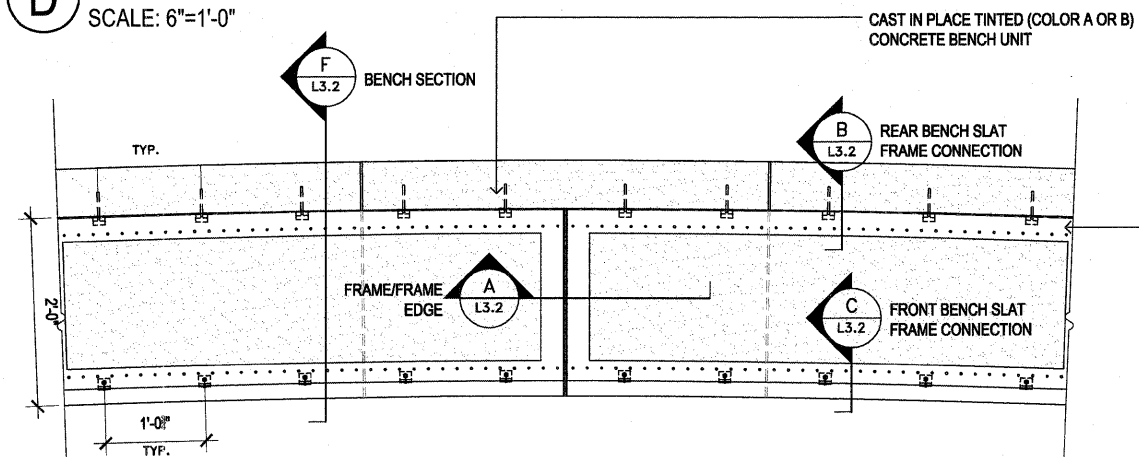
D FRAME BENCH EDGE DETAIL
SCALE: 6"=1'-0"



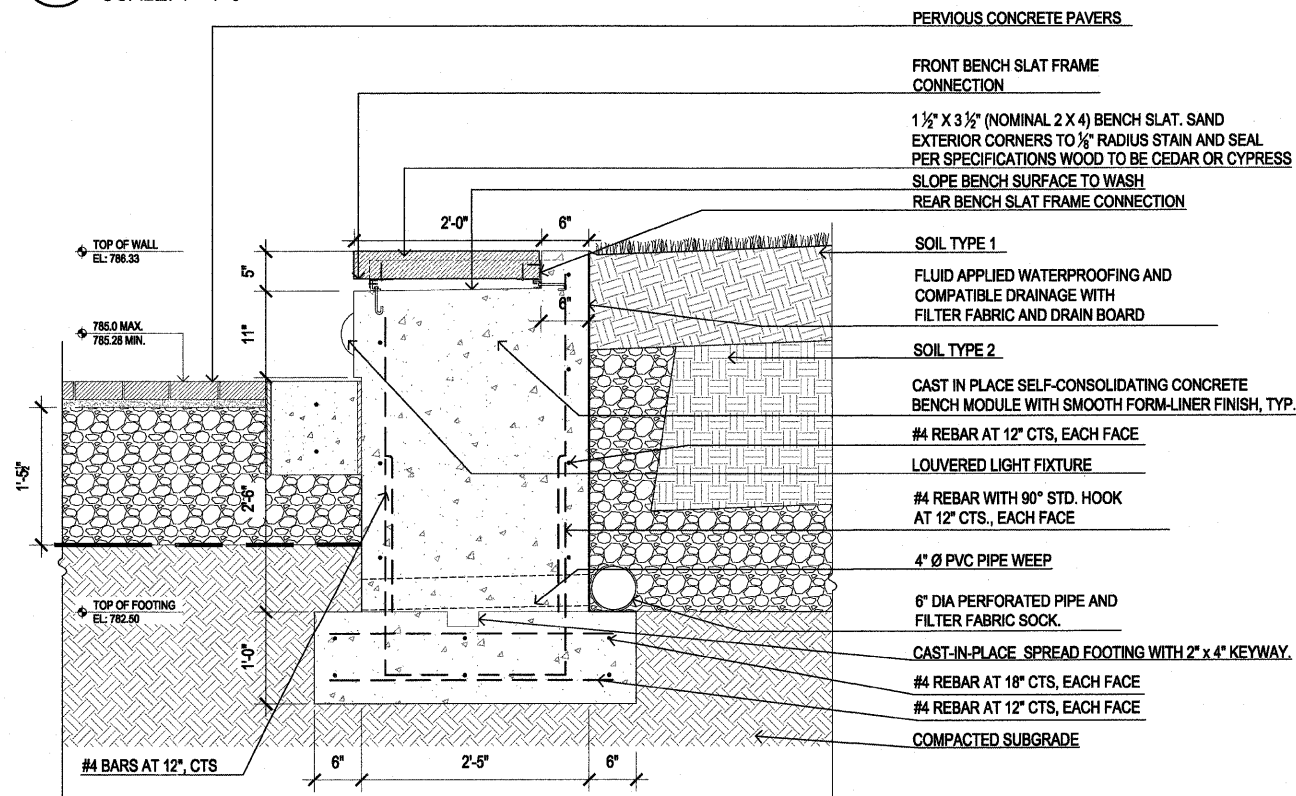
B REAR BENCH SLAT FRAME CONNECTION
SCALE: 6"=1'-0"



C FRONT BENCH SLAT FRAME CONNECTION
SCALE: 6"=1'-0"



E BENCH SLAT FRAME PLAN
SCALE: 1"=1'-0"



F SEATWALL PROFILE
SCALE: 1"=1'-0"

FILE NAME =
PLOT DATE =

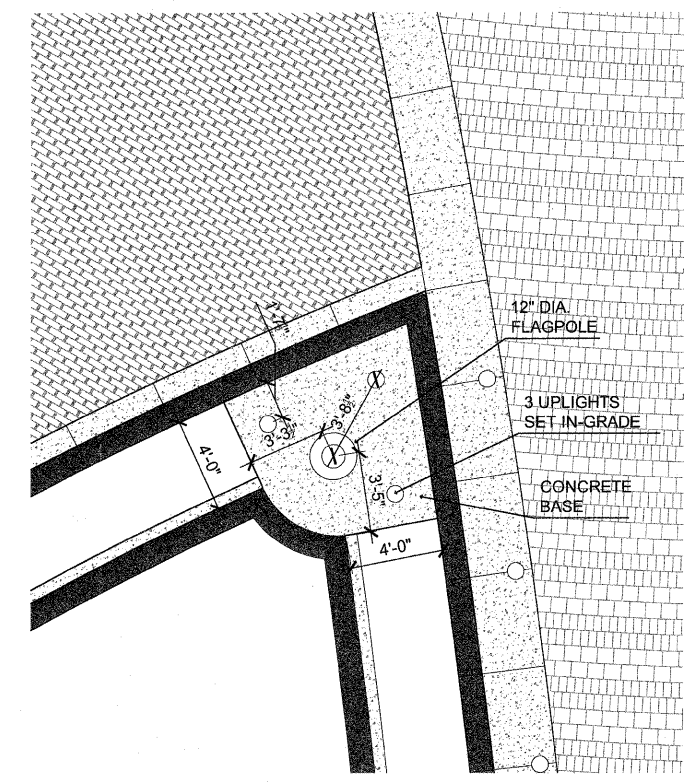
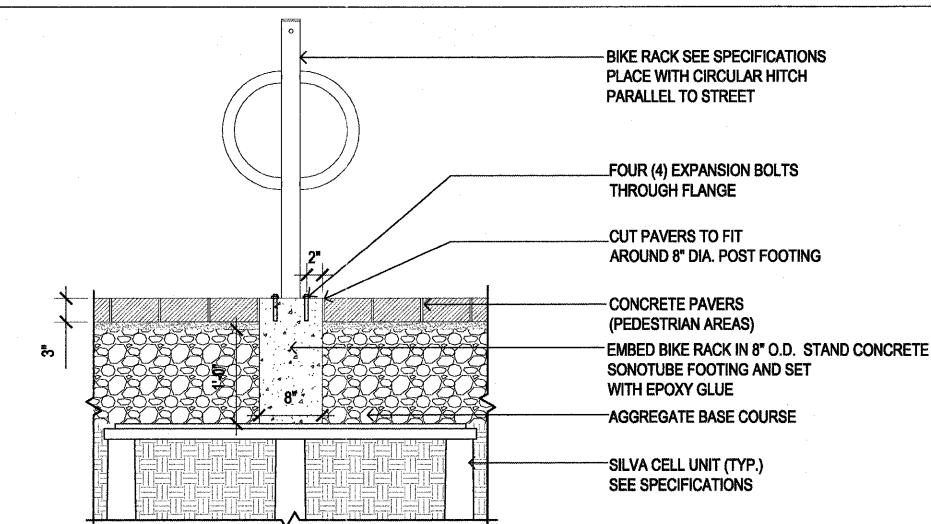
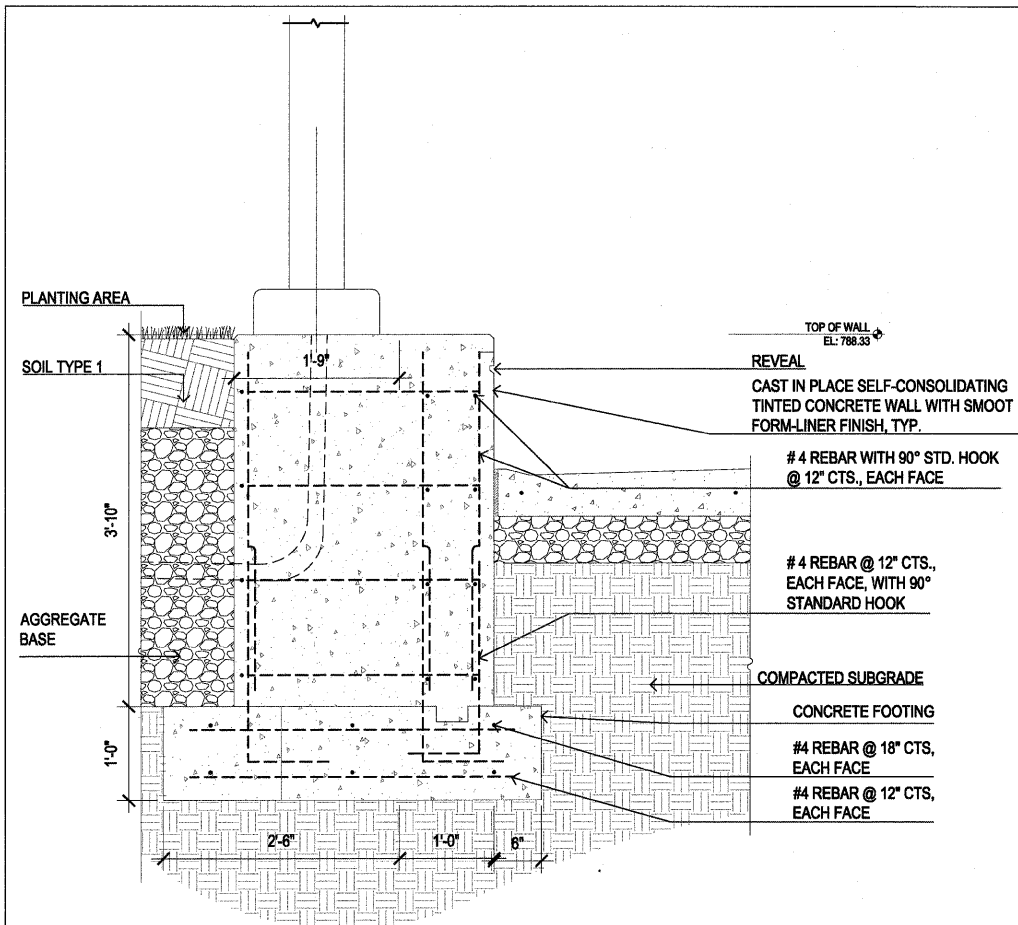
DESIGNED	— P.L.S.	REVISED	— 04-01-11
DRAWN	— R.N.R.	REVISED	— 04-22-11
CHECKED	— J.M.B.	REVISED	—
DATE	— 3-11	REVISED	—

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

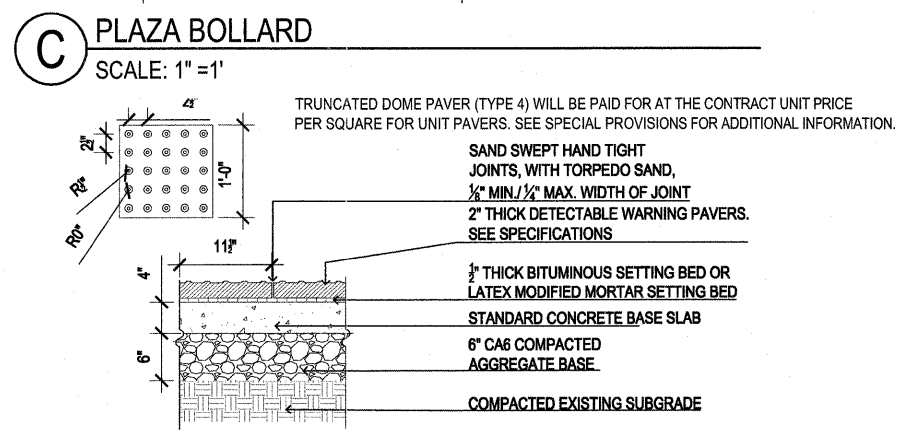
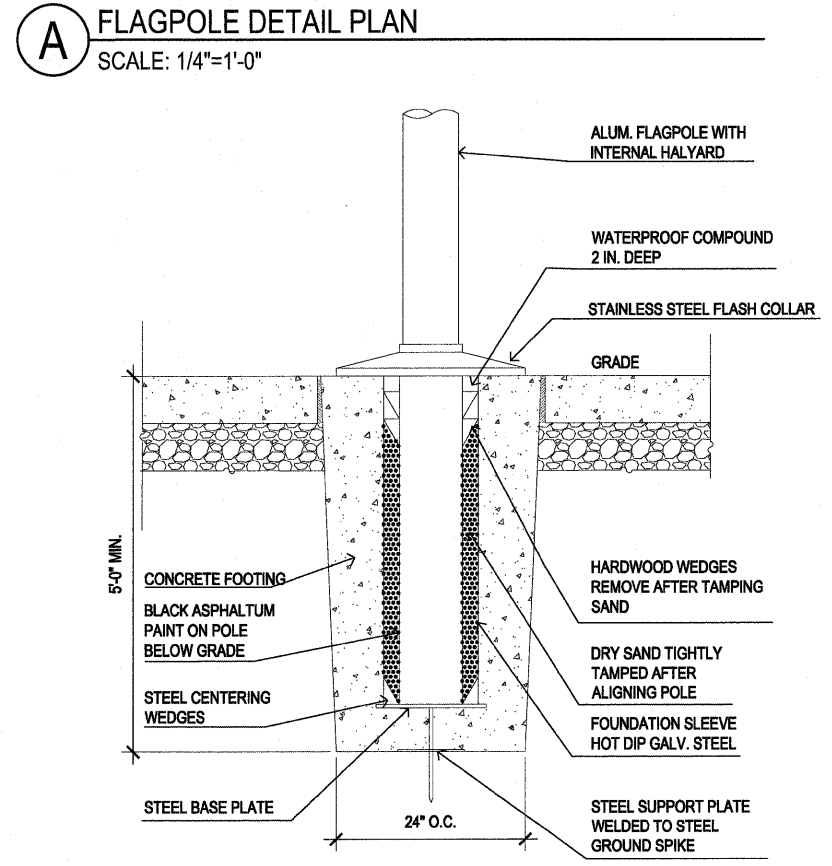
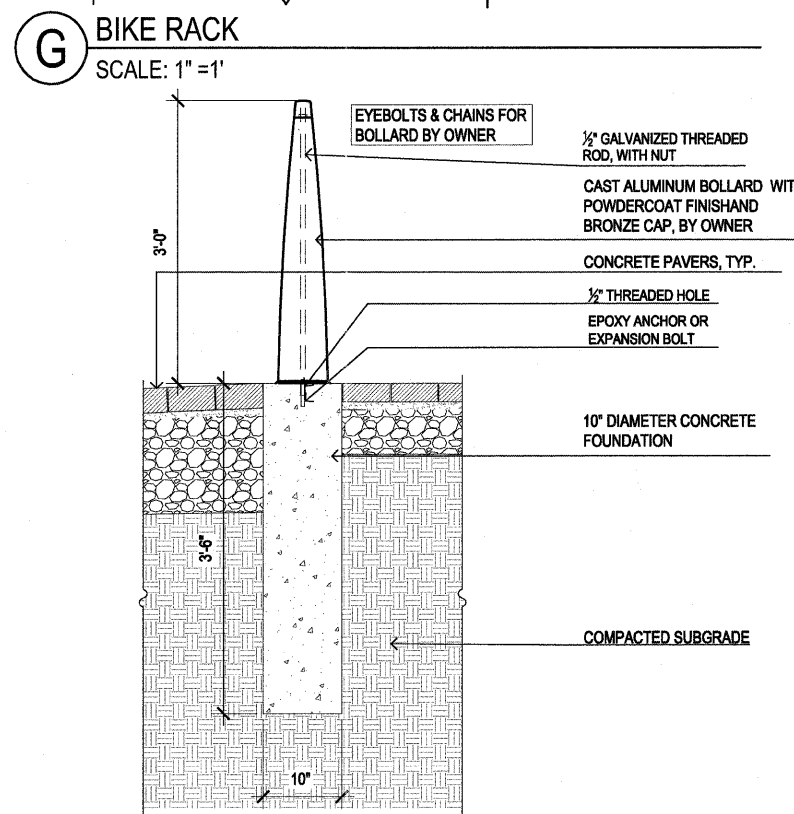
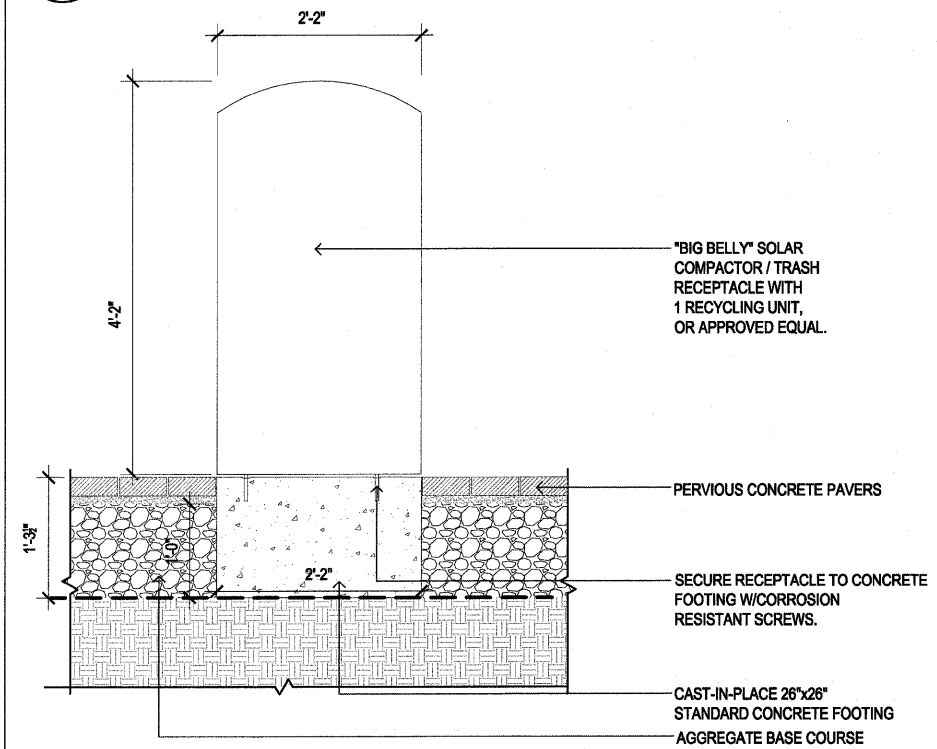
L3.2 - HARDSCAPE DETAILS

SCALE : SHEET NO. 29 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	10-00243-02-LS	MCLEAN	40	29
CONTRACT NO. 91461				
FED. ROAD DIST. NO. ... ILLINOIS FED. AID PROJECT				

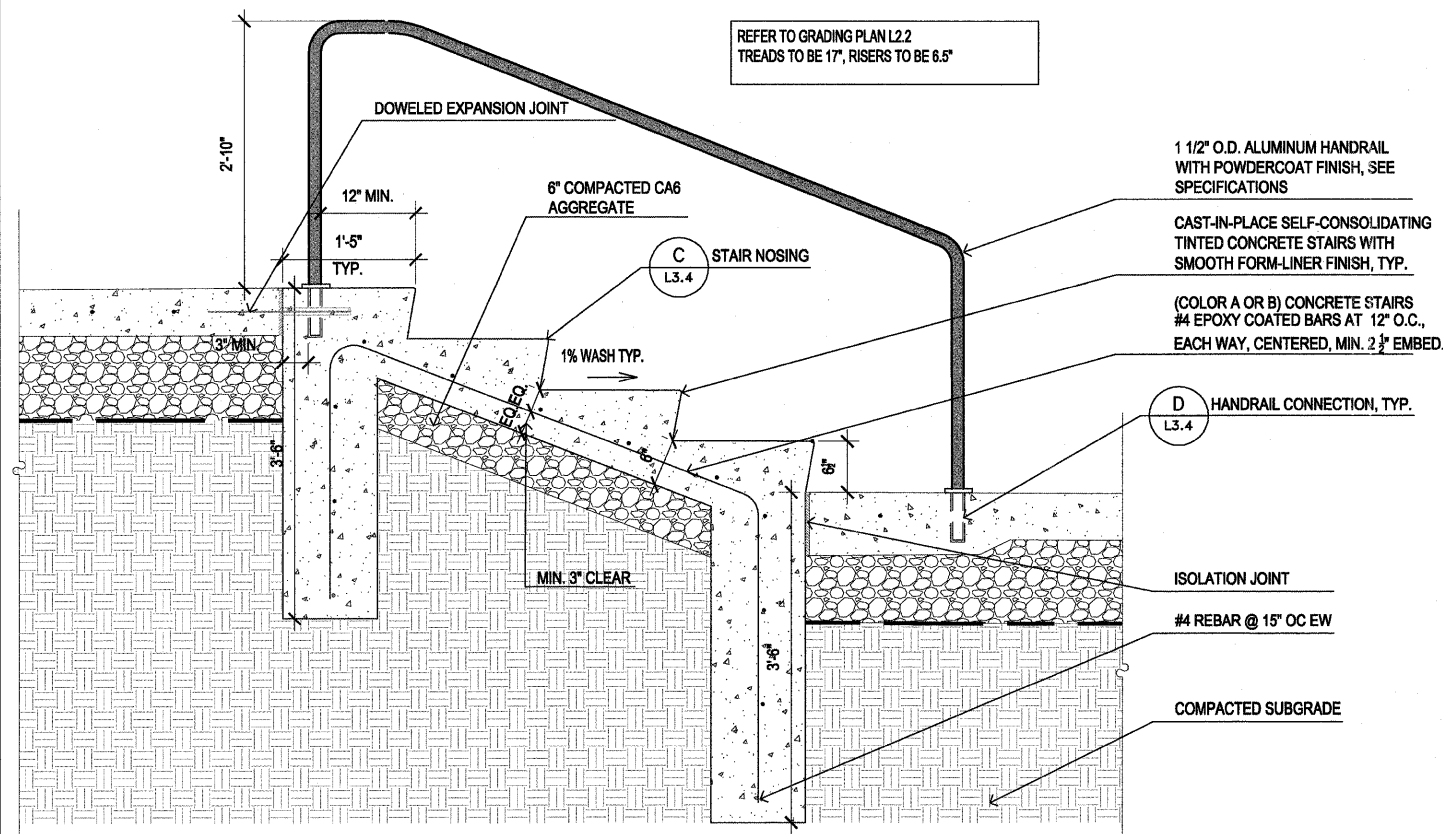


E LIGHT POLE FOOTING AT CONCRETE WALL
SCALE: 1" = 1'-0"

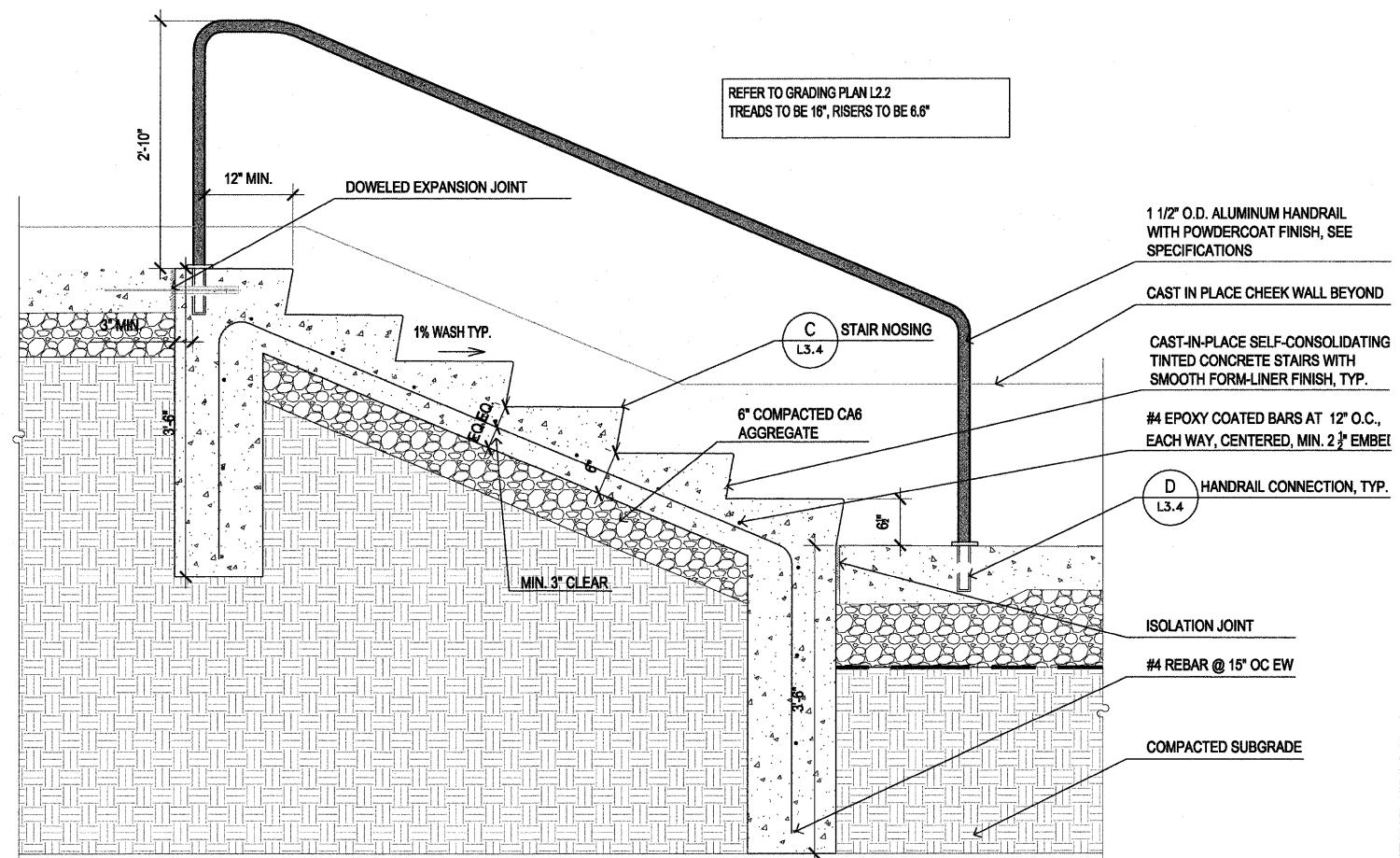


B FLAGPOLE FOOTING BASE DETAIL
SCALE: 1" = 1'

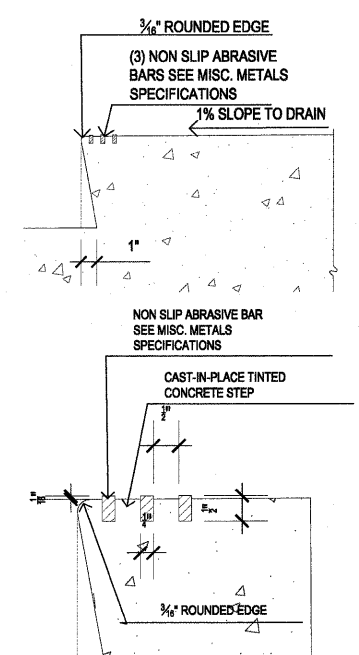
FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	L3.3 — HARDSCAPE DETAILS		F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11		SCALE :	SHEET NO. 30 OF 40 SHEETS	STA.	TO STA.	10-00243-02-LS	MCLEAN	40	30
	CHECKED — J.M.B.	REVISED —									
	DATE — 3-11	REVISED —									
			TOWN OF NORMAL	SECTION NO. 10-00243-02-LS	MCLEAN COUNTY	FED. ROAD DIST. NO. — ILLINOIS		FED. AID PROJECT	CONTRACT NO. 91461		



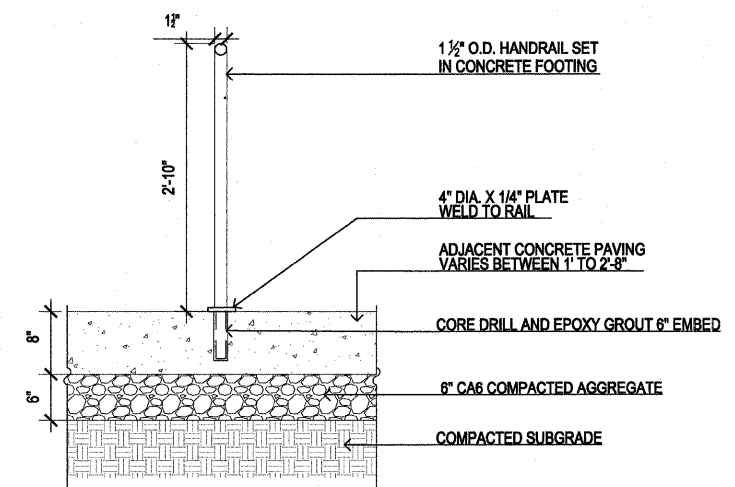
A PLAZA STAIR SECTION WITH HANDRAIL
SCALE: 1"=1'



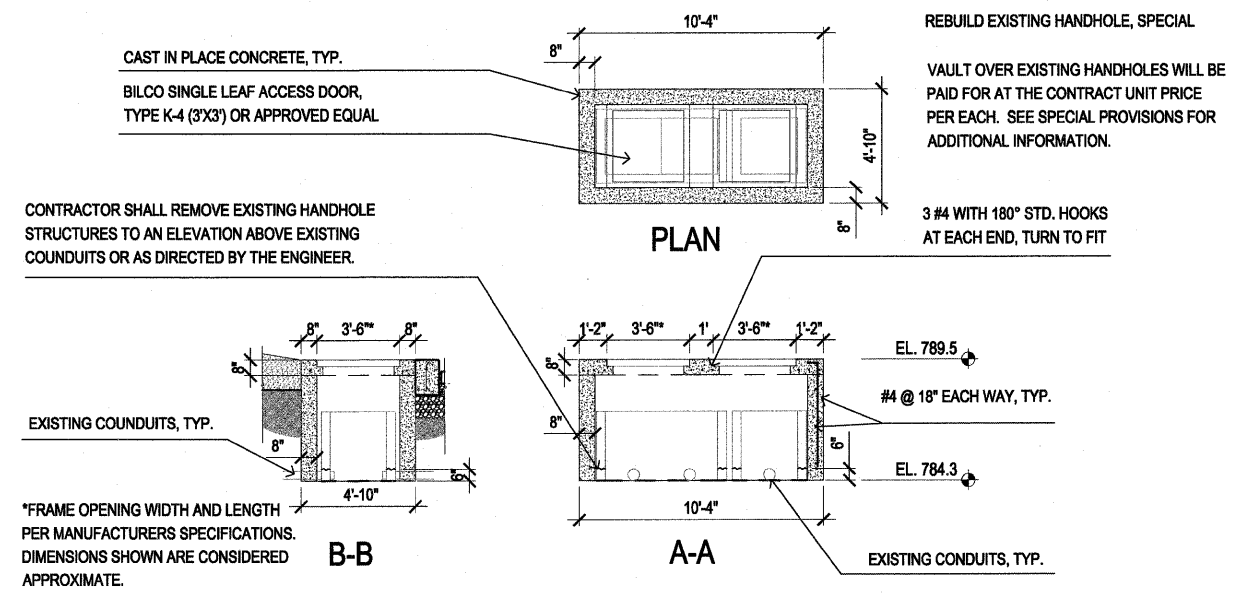
B STAIR SECTION WITH HANDRAIL
SCALE: 1"=1'



C STAIR NOSING
SCALE: 2"=1'



D FREESTANDING HANDRAIL CONCRETE CONNECTION
SCALE: 1"=1'



E VAULT OVER EXISTING UTILITY HANDHOLES
SCALE: 1/4"=1'

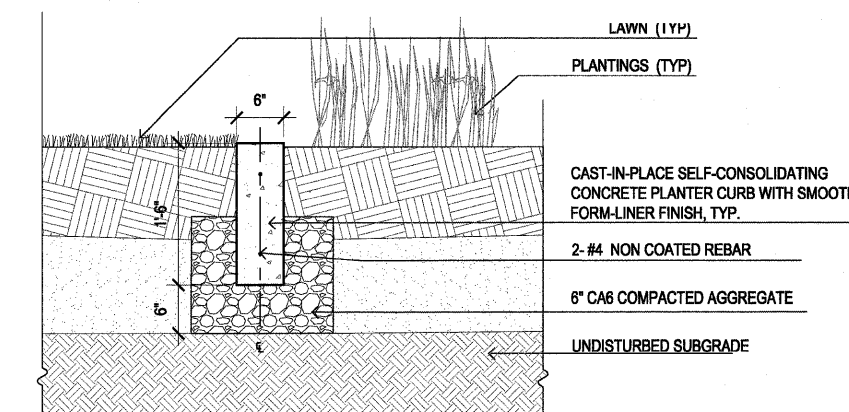
FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11
	CHECKED — J.M.B.	REVISED —
	DATE — 3-11	REVISED —

DESIGNED — P.L.S.	REVISED — 04-01-11
DRAWN — R.N.R.	REVISED — 04-22-11
CHECKED — J.M.B.	REVISED —
DATE — 3-11	REVISED —

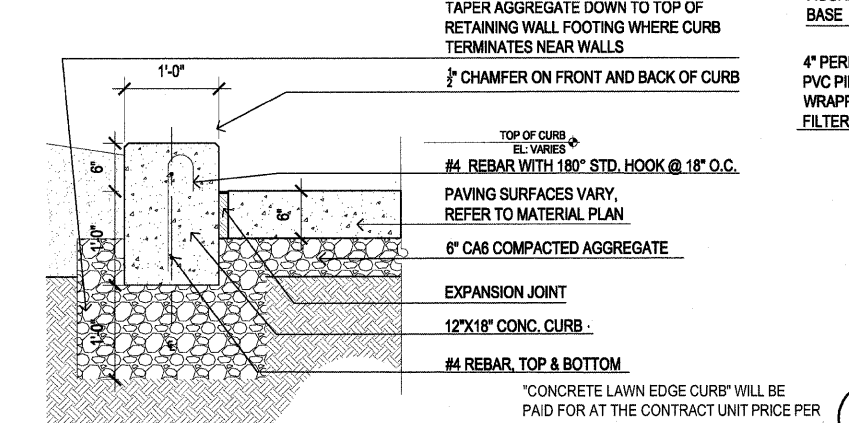
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

L3.4 - HARDSCAPE DETAILS

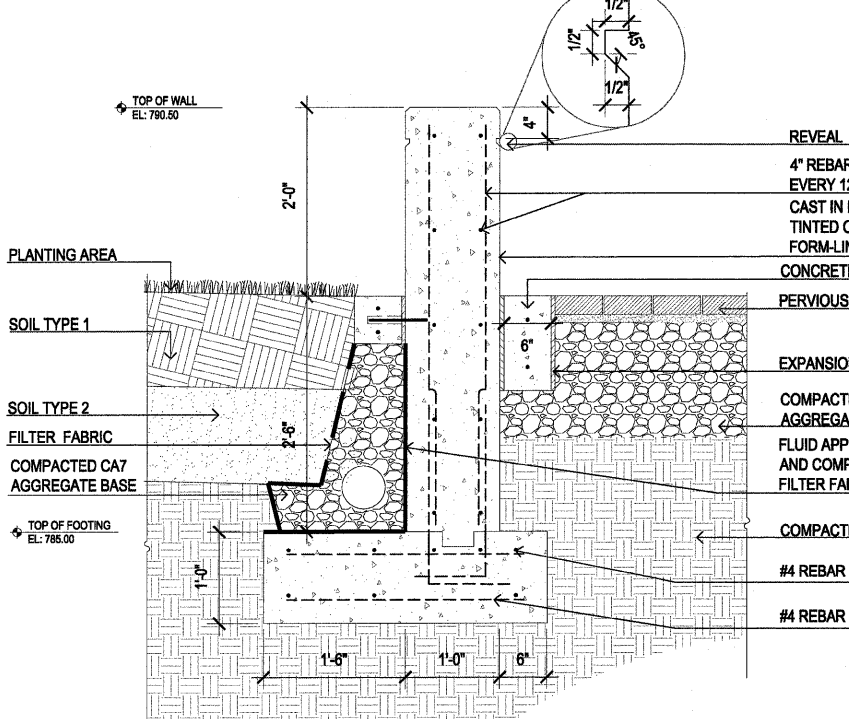
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	10-00243-02-LS	MCLEAN	40	31
CONTRACT NO. 91461				
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT				



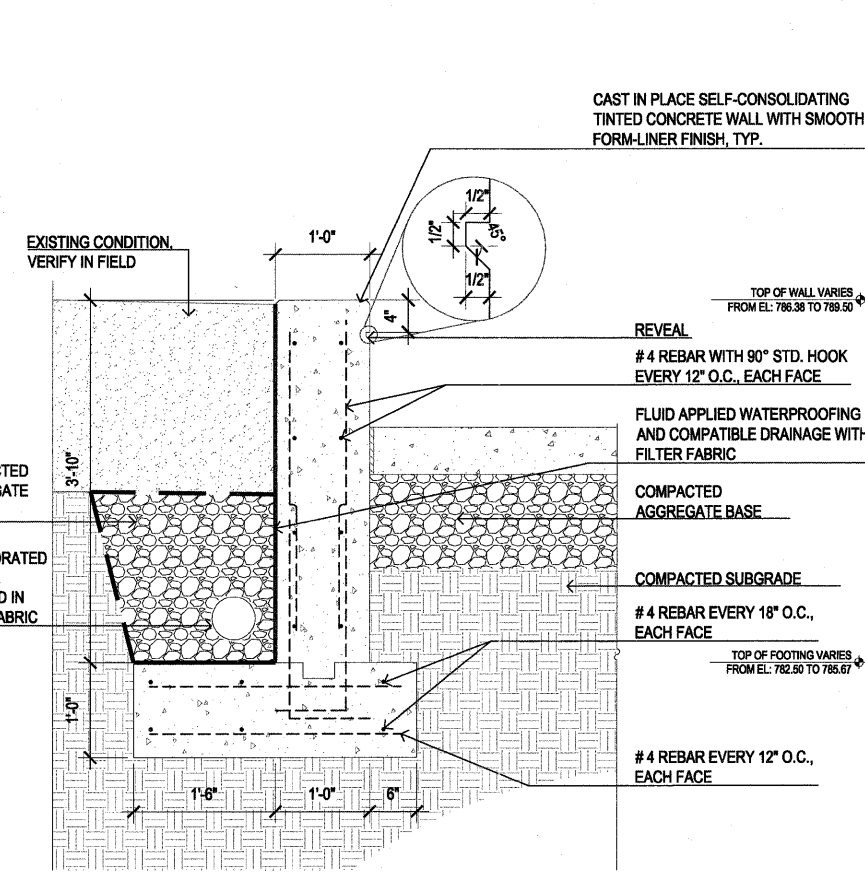
C CONCRETE PLANTER CURB
SCALE: 1" = 1'-0"



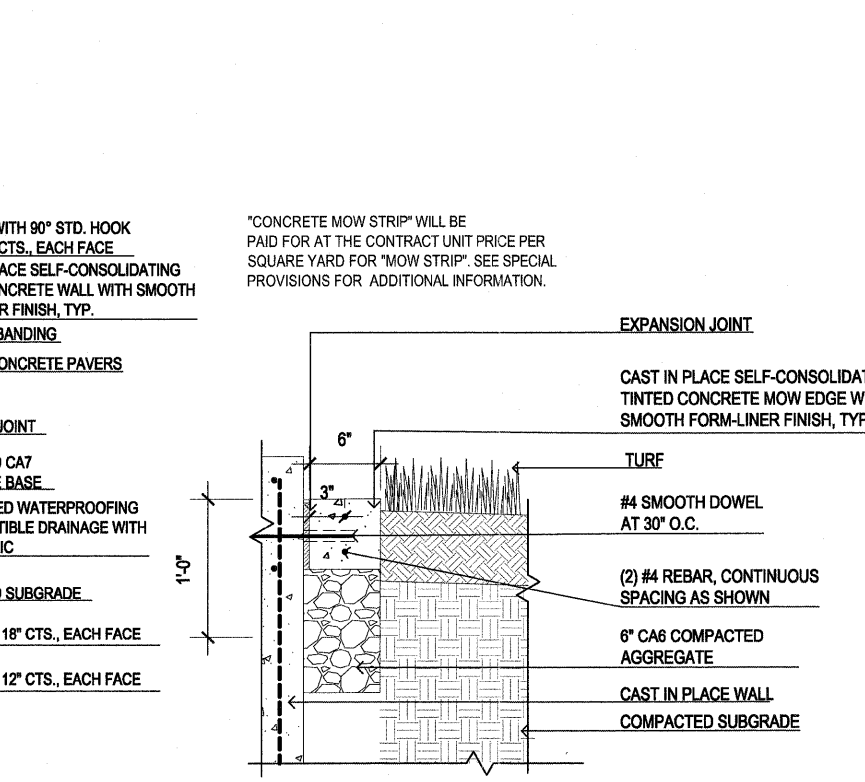
E CONCRETE LAWN EDGE CURB
SCALE: 1" = 1'-0"



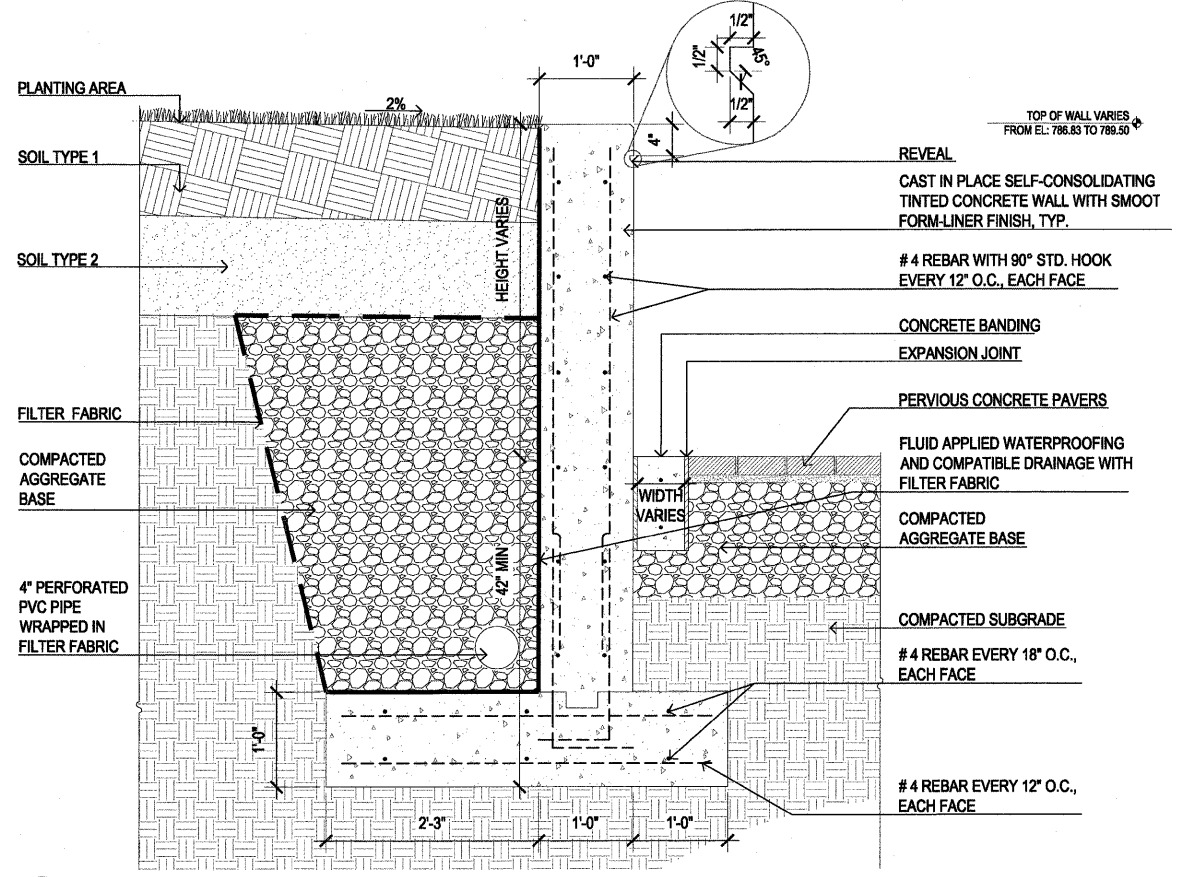
F CONCRETE SIGN WALL
SCALE: 1" = 1'-0"



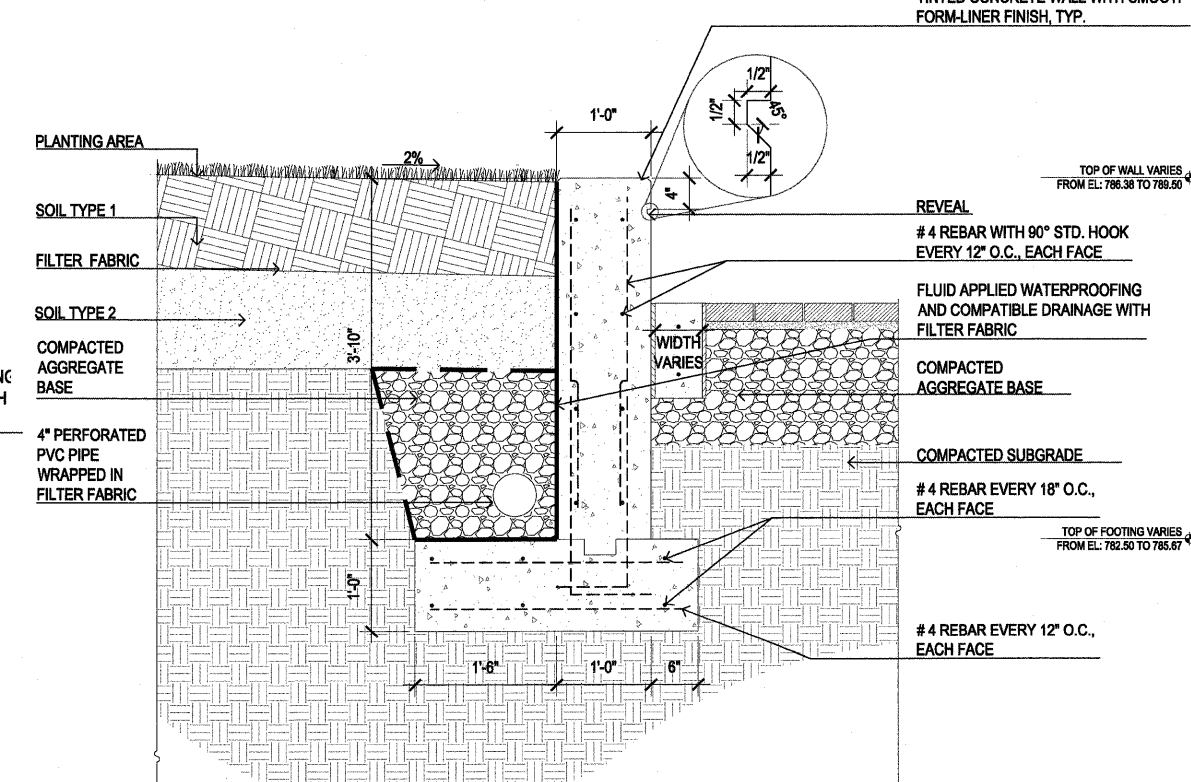
G CONCRETE RETAINING WALL - SOUTHEAST STAIR
SCALE: 1" = 1'-0"



D CONCRETE MOW STRIP
SCALE: 1-1/2" = 1'-0"



A CONCRETE RETAINING WALL - WEST ISLAND
SCALE: 1" = 1'-0"



B CONCRETE RETAINING WALL - EAST AND WEST ISLAND
SCALE: 1" = 1'-0"

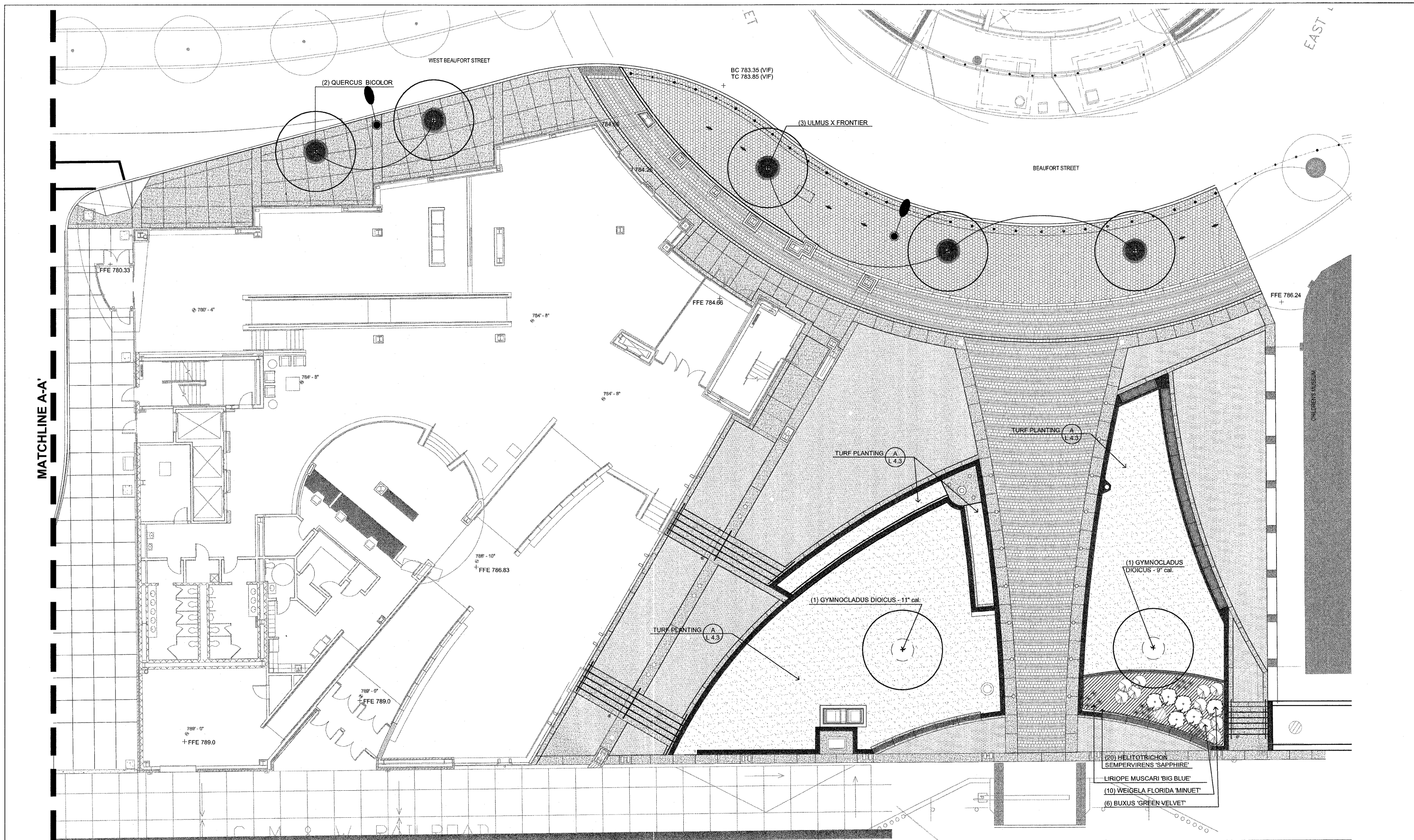
FILE NAME =
PLOT DATE =

DESIGNED	P.L.S.	REVISED	04-01-11
DRAWN	R.N.R.	REVISED	04-22-11
CHECKED	J.M.B.	REVISED	
DATE	3-11	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

L3.5 - HARDSCAPE DETAILS
SCALE: SHEET NO. 32 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00243-02-LS	MCLEAN	40	32
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 91461	
		FED. AID PROJECT		



A LANDSCAPE PLAN- GATEWAY PLAZA
SCALE: 1"=10'-0"

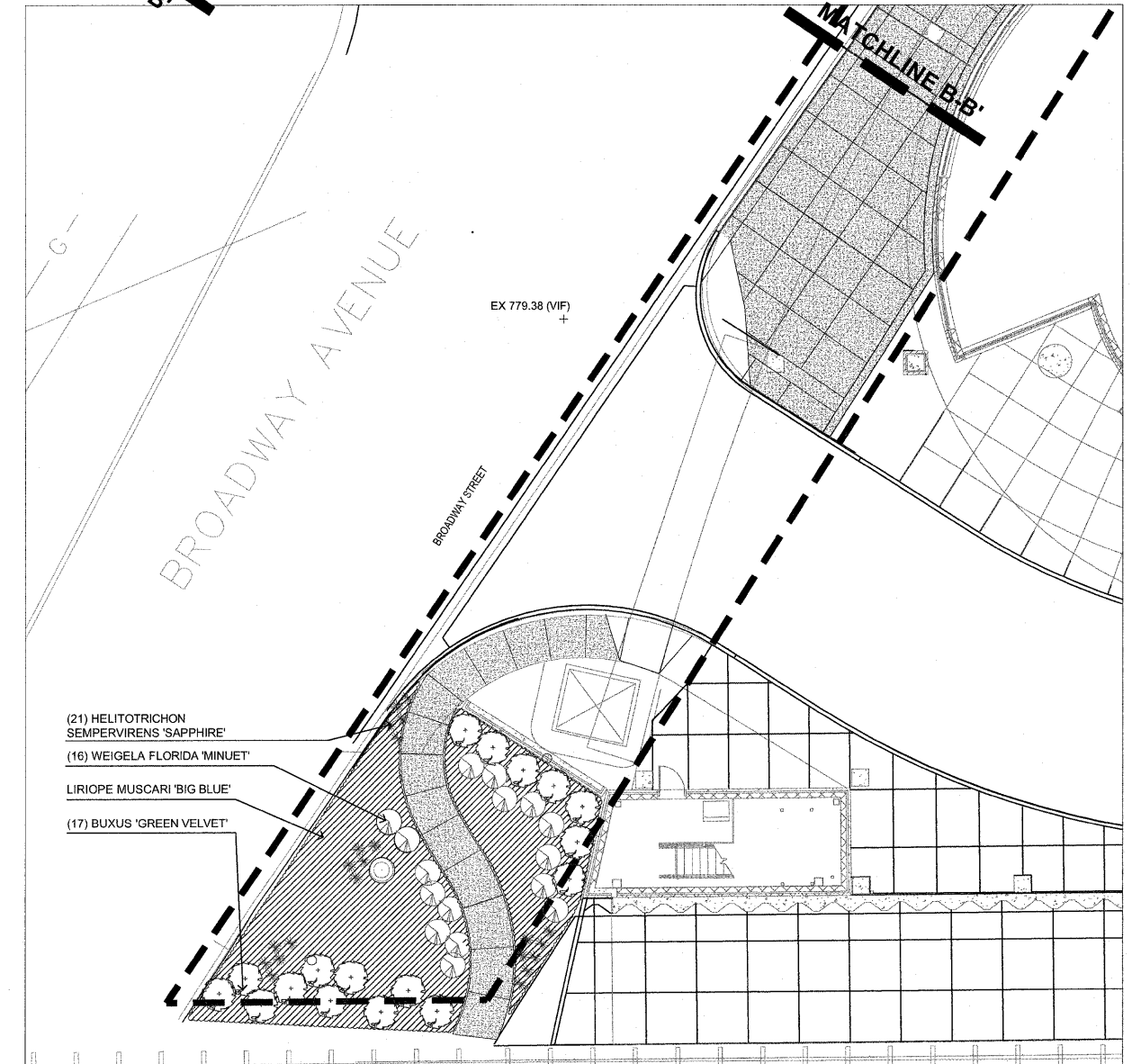
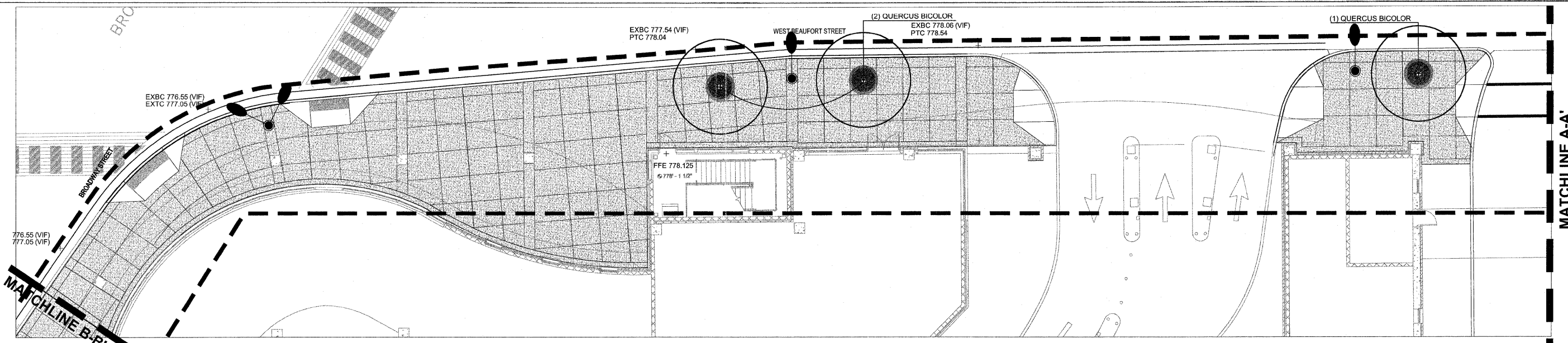
FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11
	CHECKED — J.M.B.	REVISED —
	DATE — 3-11	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

L4.0 - LANDSCAPE PLAN

SCALE: 1"=10'-0" SHEET NO. 33 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	10-00243-02-LS	MCLEAN	40	33
FED. ROAD DIST. NO. -- ILLINOIS FED. AID PROJECT			CONTRACT NO. 91461	



A LANDSCAPE PLAN- STREETSCAPE
SCALE: 1"=10'-0"



FILE NAME =
PLOT DATE =

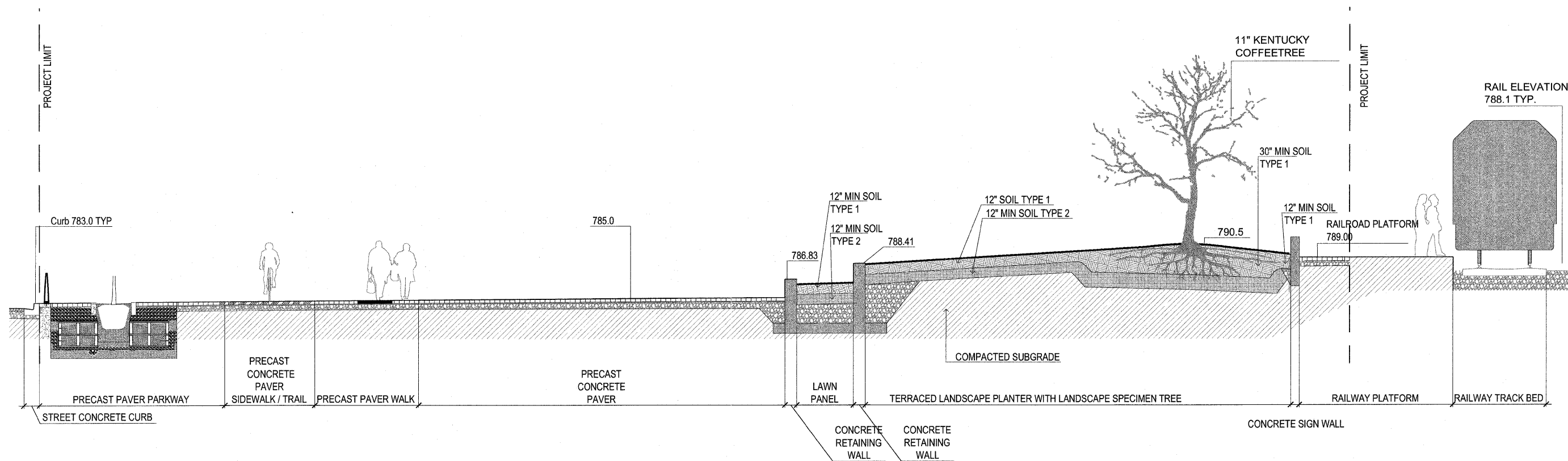
DESIGNED — P.L.S.	REVISED — 04-01-11
DRAWN — R.N.R.	REVISED — 04-22-11
CHECKED — J.M.B.	REVISED —
DATE — 3-11	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

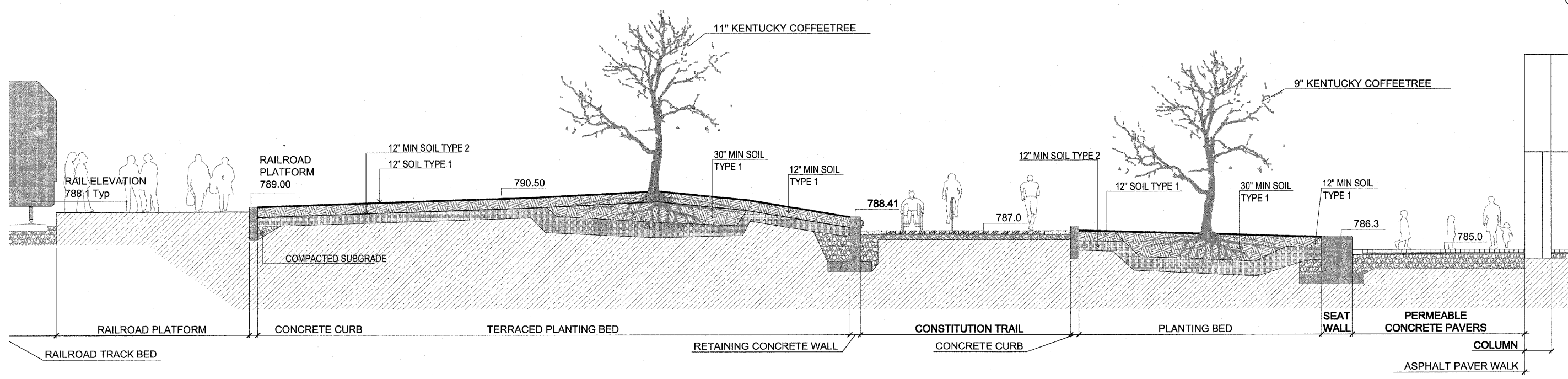
L4.1 - LANDSCAPE PLAN

SCALE : 1"=10'-0" SHEET NO. 34 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	10-00243-02-LS	MCLEAN	40	34
FED. ROAD DIST. NO. -- ILLINOIS FED. AID PROJECT			CONTRACT NO. 91461	

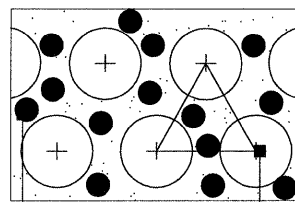


A NORTH-SOUTH SECTION ELEVATION OF PLAZA
SCALE: 3/16"=1'-0"



B EAST-WEST SECTION ELEVATION OF PLAZA
SCALE: 3/16"=1'-0"

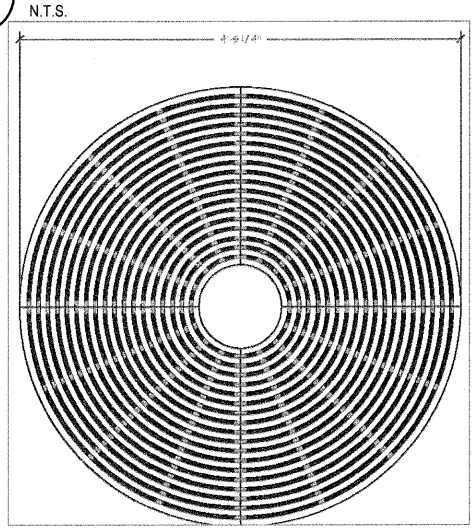
FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		L4.2 — LANDSCAPE SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11					10-00243-02-LS	MCLEAN	40	35	
	CHECKED — J.M.B.	REVISED —	TOWN OF NORMAL		SECTION NO. 10-00243-02-LS	McLEAN COUNTY	CONTRACT NO. 91461		ILLINOIS FED. AID PROJECT		
	DATE — 3-11	REVISED —					SCALE 3/16"=1'-0" SHEET NO. 35 OF 40 SHEETS		STA. TO STA.		N0240094



HERBACEOUS FILLER TO BE PLANTED IN NAUTRALISTIC DRIFTS THROUGHOUT PLANT MATERIAL

TRIANGULAR SPACING FOR ALL PLANT MATERIAL, TYP. SEE PLANT LIST FOR SPACING DISTANCE

B INTERPLANTING DETAIL

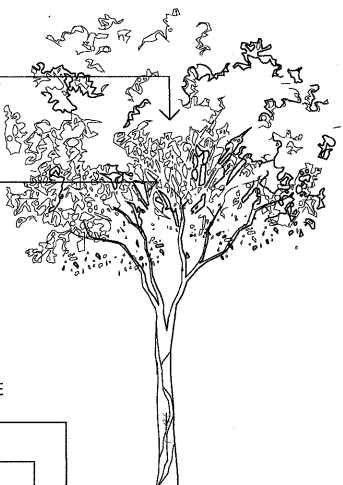


F TREE GRATE DETAIL PLAN

N.T.S.

NEVER CUT LEADER

THIN THE INTERIOR OF THE CROWN AFTER PLANTING AS DIRECTED BY LANDSCAPE ARCHITECT.

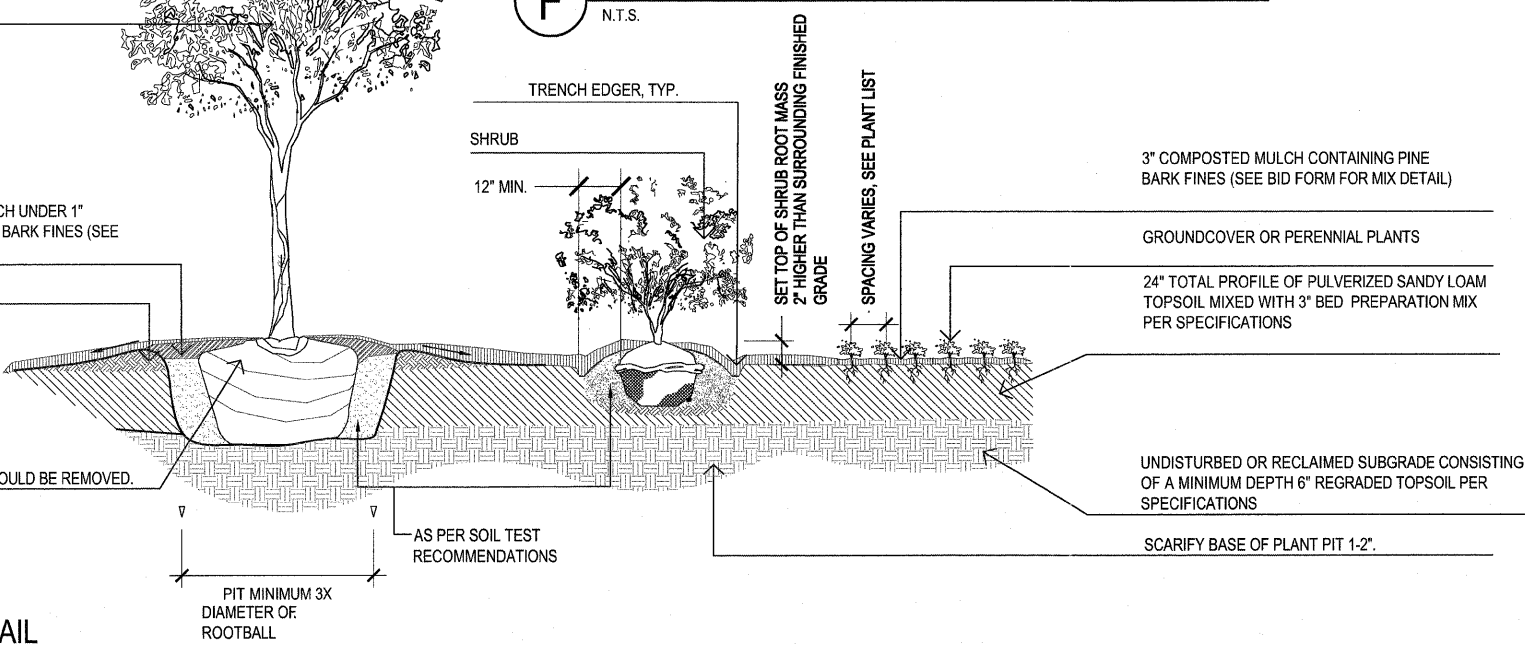


3" SHREDDED HARDWOOD MULCH UNDER 1" COMPOSTED MULCH WITH PINE BARK FINES (SEE BIDFORM FOR MIX DETAIL)

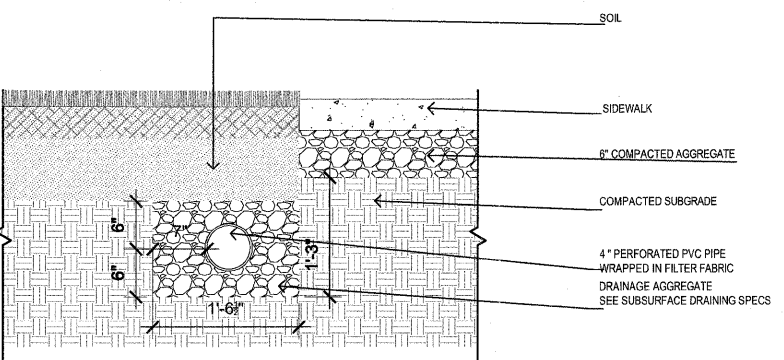
SOIL SAUCER (MIN. 6")

AFTER FINAL APPROVAL OF TREE LOCATIONS: ROPES AT TOP OF BALL SHALL BE CUT; REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL. WIRE CAGE TO BE CUT BACK A MINIMUM OF 12" BELOW FINISH GRADE. ALL NON-BIODEGRADABLE MATERIAL SHOULD BE REMOVED.

C PLANTING DETAIL

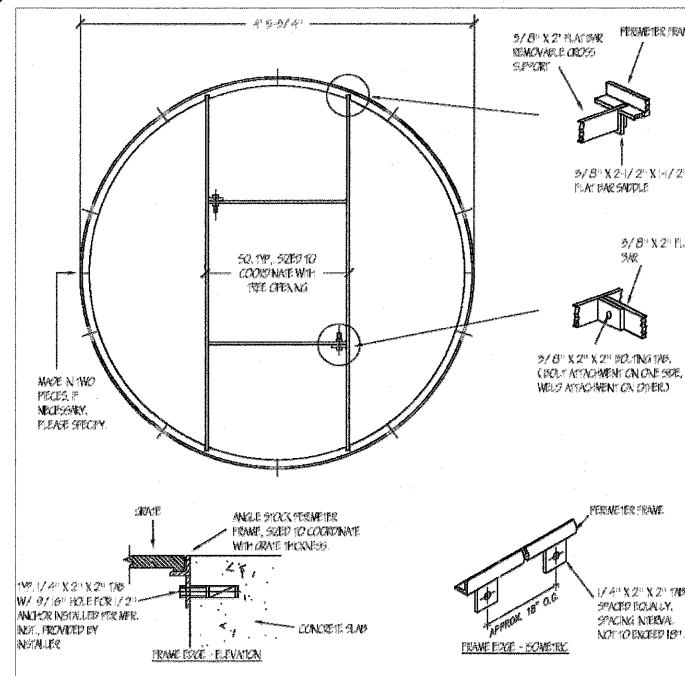


FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11
	CHECKED — J.M.B.	REVISED —
	DATE — 3-11	REVISED —



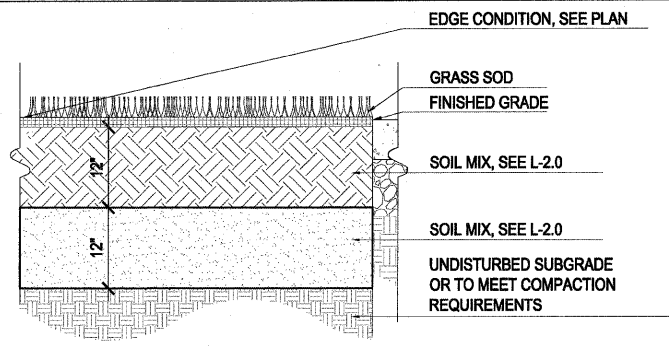
D LAWN PERIMETER DRAIN

N.T.S.



F TREE GRATE FRAMING PLAN

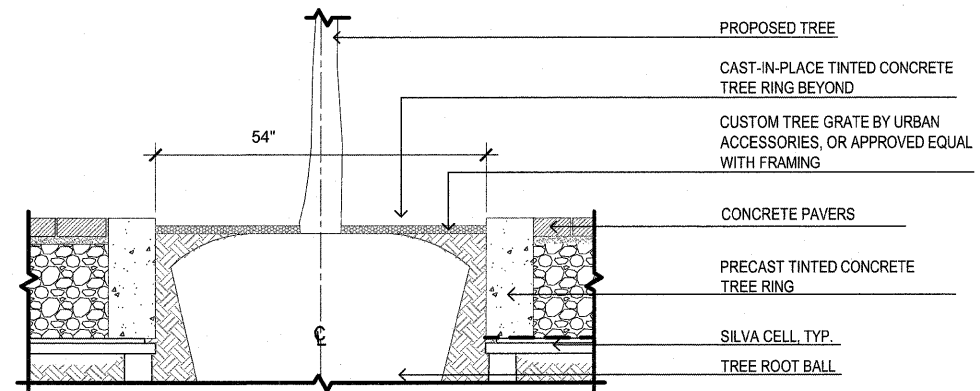
N.T.S.



A TURF PLANTING

N.T.S.

"CONCRETE TREE RING WITH GRATE" WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "TREE GRATE ASSEMBLY, COMPLETE". SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



E TREE GRATE IN PRECAST TREE RING

N.T.S.

- NOTES:
- FOR ALL SOIL PLACEMENT REFER TO SHEETS L2.0 & L2.1
 - EVERGREEN & DECIDUOUS TREES:
 - TREES SHALL BEAR SAME RELATION TO FINISHED GRADE AS THEY DID TO PREVIOUSLY EXISTING GRADE ON SITE OR IN NURSERY.
 - DO NOT ALLOW AIR POCKETS TO FORM IN SOIL WHEN BACKFILLING.
 - TREE STAKING/GUYING SHOULD BE REVIEWED WITH LANDSCAPE ARCHITECT WHEN CONTRACTOR DEEMS IT NECESSARY.
 - ROOT FLARE OF TREE TO BE SET NO MORE THAN 3" ABOVE FINISHED GRADE IN BORDERS & MASS PLANTINGS.
 - TREES PLANTED WITHIN OR ADJACENT TO PAVING SHALL BE PLANTED WITH ROOT FLARE NO MORE THAN 1" ABOVE ADJACENT GRADE.
 - EVERGREEN TREES WITH TIGHTLY SHEARED FORM WILL BE REJECTED.
 - IF PITS ARE MACHINE EXCAVATED, & GLAZING IS PRONOUNCED, ALL SIDES OF PIT ARE TO BE SCARIFIED.
 - SOAK PLANTS WITH WATER IMMEDIATELY AFTER INSTALLATION.

- SHRUBS:
- DO NOT ALLOW AIR POCKETS TO FORM IN SOIL WHILE BACKFILLING.
 - SOAK PLANTS WITH WATER IMMEDIATELY AFTER INSTALLATION.
 - DO NOT BREAK ROOTBALL.
 - IF B&B MATERIAL, REMOVE BURLAP & STRING FROM AROUND TOP 1/3 OF ROOTBALL. IF CONTAINERIZED, LOOSEN ROOT MASS SIGNIFICANTLY BY HAND OR CUT ROOT MASS VERTICALLY WITH KNIFE ON 4 SIDES TO A DEPTH OF 1" & CUT BOTTOM OF ROOT MASS IN SAME MANNER IN AN 'X' PATTERN.

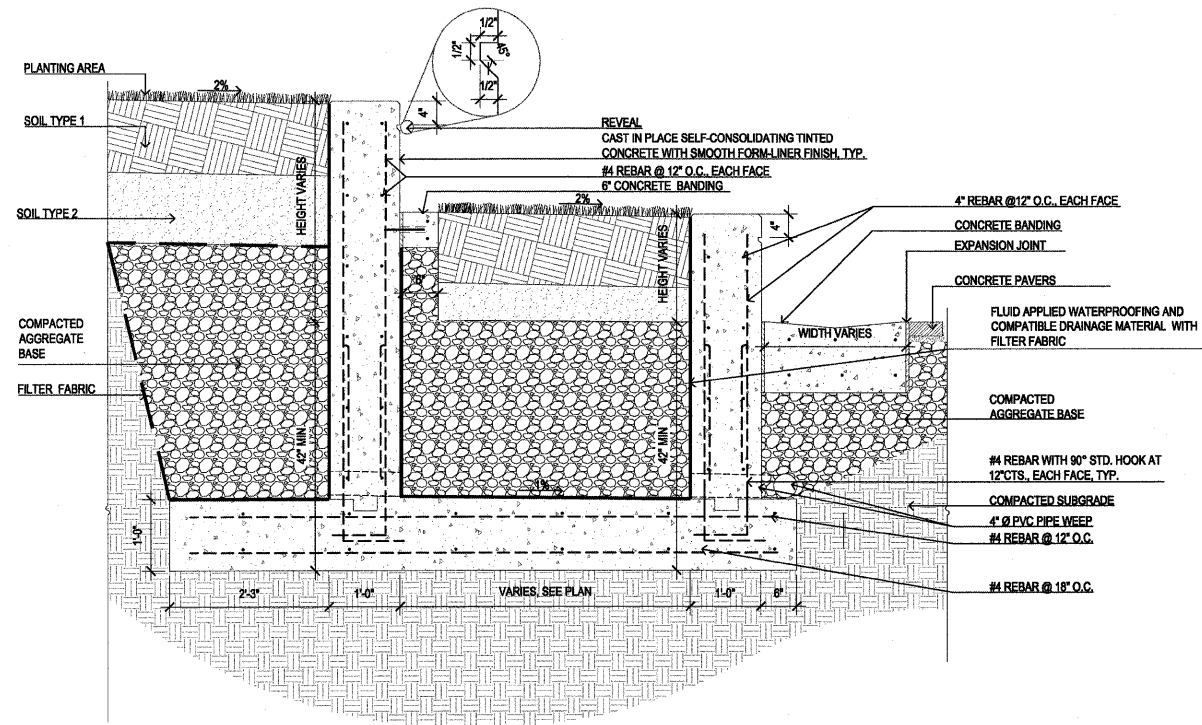
- PERENNIALS & GROUNDCOVER:
- DO NOT ALLOW AIR POCKETS TO FORM IN SOIL WHILE BACKFILLING.
 - SOAK PLANTS IMMEDIATELY WITH WATER AFTER INSTALLATION.
 - LOOSEN ROOT MASS SIGNIFICANTLY BY HAND OR CUT ROOT MASS VERTICALLY WITH KNIFE ON 4 SIDES TO A DEPTH OF 1" & CUT BOTTOM OF ROOT MASS IN SAME MANNER IN AN 'X' PATTERN.
 - PLANT APPROXIMATELY 1" ABOVE PLANTING MEDIA TO ALLOW FOR TYPICAL DRESSING OF MULCH.
 - SOAK PLANTS WITH WATER IMMEDIATELY AFTER INSTALLATION.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

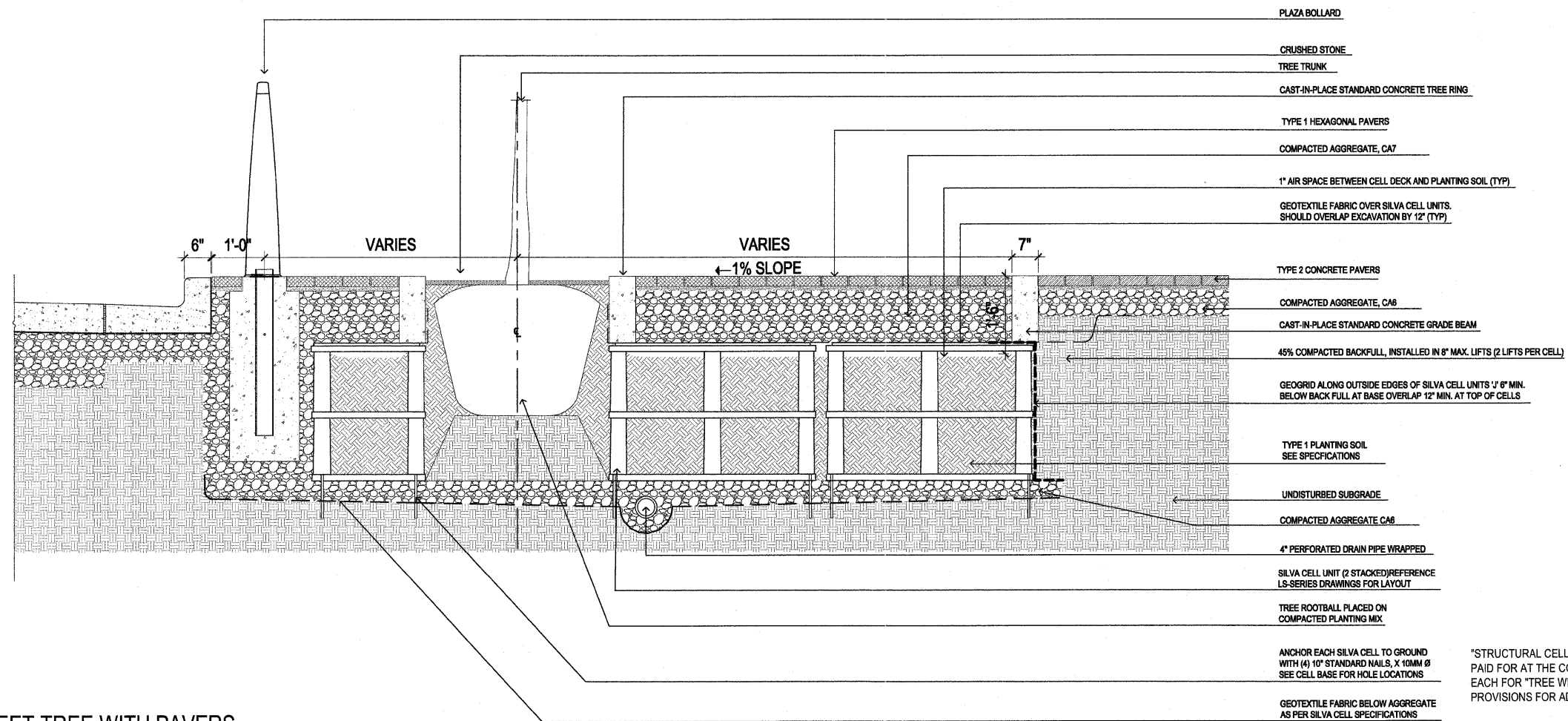
L4.3 - LANDSCAPE DETAILS

SCALE : SHEET NO. 36 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	10-00243-02-LS	MCLEAN	40	36
FED. ROAD DIST. NO. -- ILLINOIS FED. AID PROJECT			CONTRACT NO. 91461	



A TIERED PLANTER
SCALE: 3/4"=1'



B STREET TREE WITH PAVERS
SCALE: 3/4"=1'

FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11
	CHECKED — J.M.B.	REVISED —
	DATE — 3-11	REVISED —

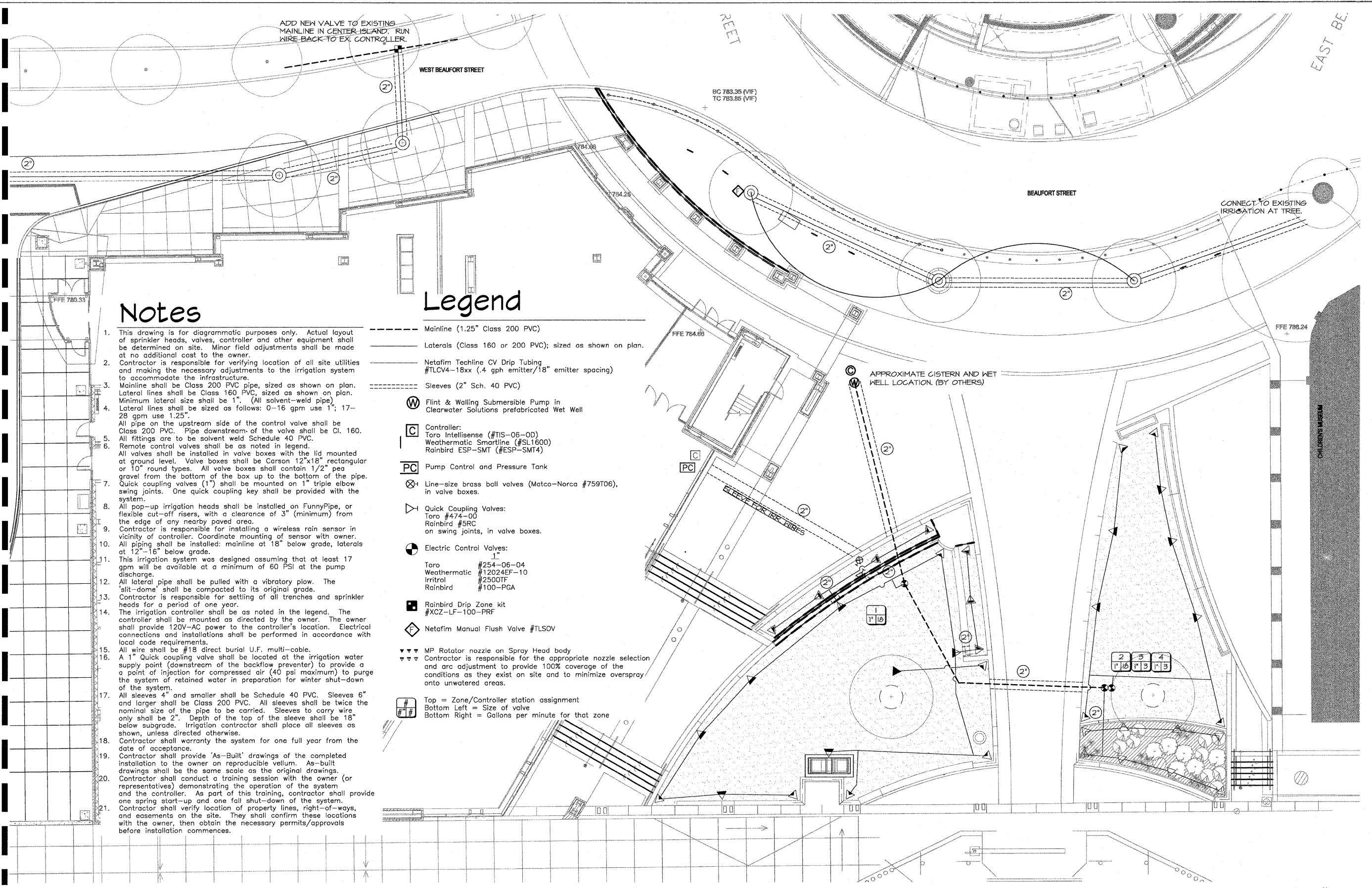
DESIGNED — P.L.S.	REVISED — 04-01-11
DRAWN — R.N.R.	REVISED — 04-22-11
CHECKED — J.M.B.	REVISED —
DATE — 3-11	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

L4.4 - LANDSCAPE DETAILS

SCALE : 3/4"=1'-0" SHEET NO. 37 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	10-00243-02-LS	MCLEAN	40	37
CONTRACT NO. 91461				
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT				



Notes

1. This drawing is for diagrammatic purposes only. Actual layout of sprinkler heads, valves, controller and other equipment shall be determined on site. Minor field adjustments shall be made at no additional cost to the owner.
2. Contractor is responsible for verifying location of all site utilities and making the necessary adjustments to the irrigation system to accommodate the infrastructure.
3. Mainline shall be Class 200 PVC pipe, sized as shown on plan. Lateral lines shall be Class 160 PVC, sized as shown on plan. Minimum lateral size shall be 1". (All solvent-weld pipe.)
4. Lateral lines shall be sized as follows: 0-16 gpm use 1"; 17-28 gpm use 1.25". All pipe on the upstream side of the control valve shall be Class 200 PVC. Pipe downstream of the valve shall be Cl. 160.
5. All fittings are to be solvent weld Schedule 40 PVC.
6. Remote control valves shall be as noted in legend. All valves shall be installed in valve boxes with the lid mounted at ground level. Valve boxes shall be Carson 12"x18" rectangular or 10" round types. All valve boxes shall contain 1/2" pea gravel from the bottom of the box up to the bottom of the pipe. Quick coupling valves (1") shall be mounted on 1" triple elbow swing joints. One quick coupling key shall be provided with the system.
7. All pop-up irrigation heads shall be installed on FunnyPipe, or flexible cut-off risers, with a clearance of 3" (minimum) from the edge of any nearby paved area.
8. Contractor is responsible for installing a wireless rain sensor in vicinity of controller. Coordinate mounting of sensor with owner.
9. All piping shall be installed: mainline at 18" below grade, laterals at 12"-16" below grade.
10. This irrigation system was designed assuming that at least 17 gpm will be available at a minimum of 60 PSI at the pump discharge.
11. All lateral pipe shall be pulled with a vibratory plow. The 'slit-dome' shall be compacted to its original grade.
12. Contractor is responsible for settling of all trenches and sprinkler heads for a period of one year.
13. The irrigation controller shall be as noted in the legend. The controller shall be mounted as directed by the owner. The owner shall provide 120V-AC power to the controller's location. Electrical connections and installations shall be performed in accordance with local code requirements.
14. All wire shall be #18 direct burial U.F. multi-cable.
15. A 1" Quick coupling valve shall be located at the irrigation water supply point (downstream of the backflow preventer) to provide a point of injection for compressed air (40 psi maximum) to purge the system of retained water in preparation for winter shut-down of the system.
16. All sleeves 4" and smaller shall be Schedule 40 PVC. Sleeves 6" and larger shall be Class 200 PVC. All sleeves shall be twice the nominal size of the pipe to be carried. Sleeves to carry wire only shall be 2". Depth of the top of the sleeve shall be 18" below subgrade. Irrigation contractor shall place all sleeves as shown, unless directed otherwise.
17. Contractor shall warrant the system for one full year from the date of acceptance.
18. Contractor shall provide 'As-Built' drawings of the completed installation to the owner on reproducible vellum. As-built drawings shall be the same scale as the original drawings.
19. Contractor shall conduct a training session with the owner (or representatives) demonstrating the operation of the system and the controller. As part of this training, contractor shall provide one spring start-up and one fall shut-down of the system.
20. Contractor shall verify location of property lines, right-of-ways, and easements on the site. They shall confirm these locations with the owner, then obtain the necessary permits/approvals before installation commences.

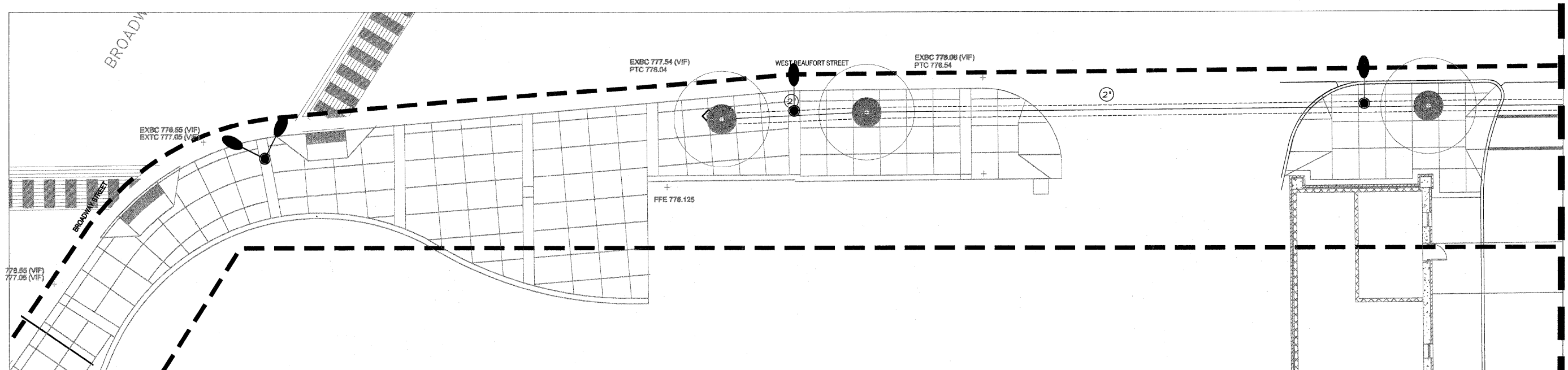
Legend

- Mainline (1.25" Class 200 PVC)
- Laterals (Class 160 or 200 PVC); sized as shown on plan.
- Netafim Techline CV Drip Tubing #TLCV4-18xx (.4 gph emitter/18" emitter spacing)
- Sleeves (2" Sch. 40 PVC)
- Ⓜ Flint & Walling Submersible Pump in Clearwater Solutions prefabricated Wet Well
- ⓐ Controller: Toro Intellisense (#TIS-06-0D) Weathermatic Smartline (#SL1600) Rainbird ESP-SMT (#ESP-SMT4)
- ⓑ Pump Control and Pressure Tank
- ⓓ Line-size brass ball valves (Matco-Norca #759T06), in valve boxes.
- ⓔ Quick Coupling Valves: Toro #474-00 Rainbird #5RC on swing joints, in valve boxes.
- ⓕ Electric Control Valves: 1" Toro #254-06-04 Weathermatic #12024EF-10 Irritrol #2500TF Rainbird #100-PGA
- ⓖ Rainbird Drip Zone kit #XCZ-LF-100-PRF
- ⓗ Netafim Manual Flush Valve #TISOV
- ⓓ MP Rotator nozzle on Spray Head body Contractor is responsible for the appropriate nozzle selection and arc adjustment to provide 100% coverage of the conditions as they exist on site and to minimize overspray onto unwatered areas.
- ⓓ Top = Zone/Controller station assignment Bottom Left = Size of valve Bottom Right = Gallons per minute for that zone

MATCHLINE A-A'

A IRRIGATION PLAN- GATEWAY PLAZA
SCALE: 1"=10'-0"

FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		L5.0 - IRRIGATION PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11					10-00243-02-LS	MCLEAN	40	38	
	CHECKED — J.M.B.	REVISED —			SCALE : 1"=10'-0"		FED. ROAD DIST. NO. — ILLINOIS		CONTRACT NO. 91461		
	DATE — 3-11	REVISED —			SHEET NO. 38 OF 40 SHEETS		ILLINOIS FED. AID PROJECT				



Notes

1. This drawing is for diagrammatic purposes only. Actual layout of sprinkler heads, valves, controller and other equipment shall be determined on site. Minor field adjustments shall be made at no additional cost to the owner.
2. Contractor is responsible for verifying location of all site utilities and making the necessary adjustments to the irrigation system to accommodate the infrastructure.
3. Mainline shall be Class 200 PVC pipe, sized as shown on plan. Lateral lines shall be Class 160 PVC, sized as shown on plan. Minimum lateral size shall be 1". (All solvent-weld pipe)
4. Lateral lines shall be sized as follows: 0-16 gpm use 1"; 17-28 gpm use 1.25".
All pipe on the upstream side of the control valve shall be Class 200 PVC. Pipe downstream of the valve shall be Cl. 160.
5. All fittings are to be solvent weld Schedule 40 PVC.
6. Remote control valves shall be as noted in legend. All valves shall be installed in valve boxes with the lid mounted at ground level. Valve boxes shall be Carson 12"x18" rectangular or 10" round types. All valve boxes shall contain 1/2" pea gravel from the bottom of the box up to the bottom of the pipe. Quick coupling valves (1") shall be mounted on 1" triple elbow swing joints. One quick coupling key shall be provided with the system.
7. All pop-up irrigation heads shall be installed on FunnyPipe, or flexible cut-off risers, with a clearance of 3" (minimum) from the edge of any nearby paved area.
8. Contractor is responsible for installing a wireless rain sensor in vicinity of controller. Coordinate mounting of sensor with owner.
9. All piping shall be installed: mainline at 18" below grade, laterals at 12"-16" below grade.
10. This irrigation system was designed assuming that at least 17 gpm will be available at a minimum of 60 PSI at the pump discharge.
11. All lateral pipe shall be pulled with a vibratory plow. The 'slit-dome' shall be compacted to its original grade.
12. Contractor is responsible for settling of all trenches and sprinkler heads for a period of one year.
13. The irrigation controller shall be as noted in the legend. The controller shall be mounted as directed by the owner. The owner shall provide 120V-AC power to the controller's location. Electrical connections and installations shall be performed in accordance with local code requirements.
14. All wire shall be #18 direct burial U.F. multi-cable.
15. A 1" Quick coupling valve shall be located at the irrigation water supply point (downstream of the backflow preventer) to provide a point of injection for compressed air (40 psi maximum) to purge the system of retained water in preparation for winter shut-down of the system.
16. All sleeves 4" and smaller shall be Schedule 40 PVC. Sleeves 6" and larger shall be Class 200 PVC. All sleeves shall be twice the nominal size of the pipe to be carried. Sleeves to carry wire only shall be 2". Depth of the top of the sleeve shall be 18" below subgrade. Irrigation contractor shall place all sleeves as shown, unless directed otherwise.
17. Contractor shall warranty the system for one full year from the date of acceptance.
18. Contractor shall provide 'As-Built' drawings of the completed installation to the owner on reproducible vellum. As-built drawings shall be the same scale as the original drawings.
19. Contractor shall conduct a training session with the owner (or representatives) demonstrating the operation of the system and the controller. As part of this training, contractor shall provide one spring start-up and one fall shut-down of the system.
20. Contractor shall verify location of property lines, right-of-ways, and easements on the site. They shall confirm these locations with the owner, then obtain the necessary permits/approvals before installation commences.

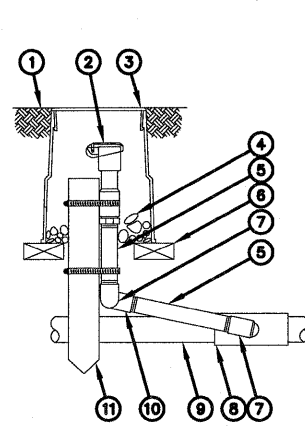
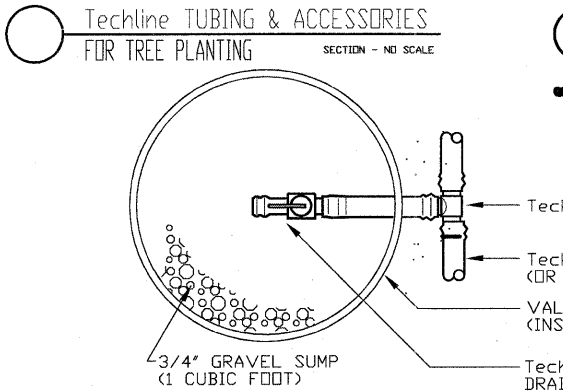
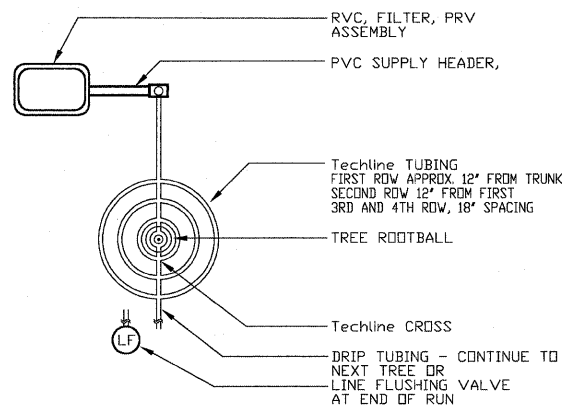
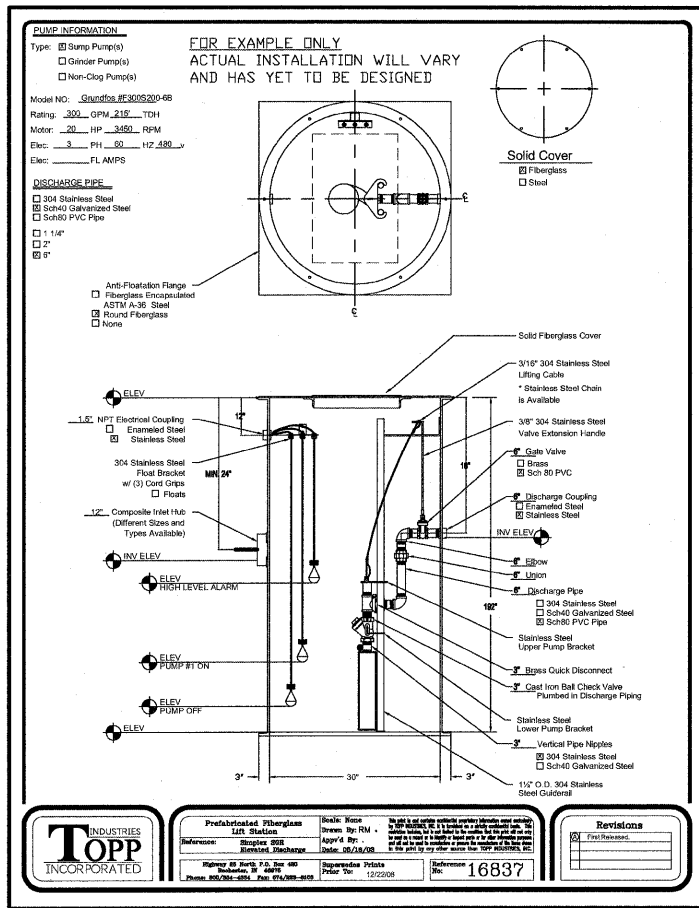
Legend

- Mainline (1.25" Class 200 PVC)
- Laterals (Class 160 or 200 PVC); sized as shown on plan.
- Netafim Techline CV Drip Tubing #TLCV4-18xx (.4 gph emitter/18" emitter spacing)
- Sleeves (2" Sch. 40 PVC)
- W Flint & Walling Submersible Pump in Clearwater Solutions prefabricated Wet Well
- C Controller: Toro Intellisense (#TIS-06-0D) Weathermatic Smartline (#SL1600) Rainbird ESP-SMT (#ESP-SMT4)
- PC Pump Control and Pressure Tank
- ⊗ Line-size brass ball valves (Matco-Norca #759T06), in valve boxes.
- ▽ Quick Coupling Valves: Toro #474-00 Rainbird #5RC on swing joints, in valve boxes.
- ⊕ Electric Control Valves: Toro #254-06-04 Weathermatic #12024EF-10 Irritrol #2500TF Rainbird #100-PGA
- Rainbird Drip Zone kit #XCC-LF-100-PRF
- ⬠ Netafim Manual Flush Valve #TISOV
- ▼▼▼ MP Rotator nozzle on Spray Head body Contractor is responsible for the appropriate nozzle selection and arc adjustment to provide 100% coverage of the conditions as they exist on site and to minimize overspray onto unwatered areas.
- #/# Top = Zone/Controller station assignment Bottom Left = Size of valve Bottom Right = Gallons per minute for that zone

A IRRIGATION PLAN- STREETScape

SCALE: 1"=10'-0"

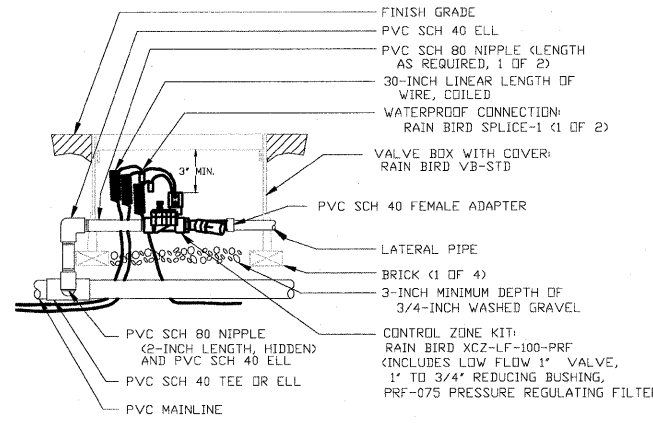
FILE NAME =	DESIGNED -- P.L.S.	REVISED -- 04-01-11	STATE OF ILLINOIS		L5.1 - IRRIGATION PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE =	DRAWN -- R.N.R.	REVISED -- 04-22-11	DEPARTMENT OF TRANSPORTATION		SCALE : 1"=10'-0" SHEET NO. 39 OF 40 SHEETS STA. TO STA.		10-00243-02-LS	MCLEAN	40	39	
	CHECKED -- J.M.B.	REVISED --					CONTRACT NO. 91461				
	DATE -- 3-11	REVISED --					FED. ROAD DIST. NO. -- ILLINOIS FED. AID PROJECT				



- 1 FINISH GRADE/TOP OF MULCH
- 2 QUICK-COUPLER VALVE: RAIN BIRD MODEL 5RC
- 3 VALVE BOX WITH COVER: RAIN BIRD VB-6RND
- 4 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 5 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 6 BRICK (1 OF 2)
- 7 PVC SCH 40 STREET ELL
- 8 PVC SCH 40 TEE OR ELL
- 9 PVC MAINLINE PIPE
- 10 PVC SCH 40 ELL
- 11 2\"/>

NOTE:
FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLER VALVE INLET SIZE.

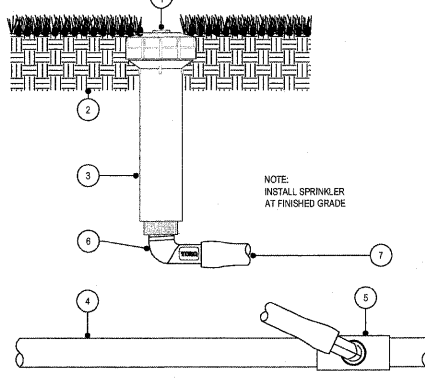
D QUICK COUPLER VALVE
N.T.S. MODEL 5RC SERIES 1-82-04



NOTES:
1. TO REPLACE INLINE WYE FILTERS, USE REPLACEMENT FILTER ELEMENTS RAIN BIRD MODELS RBY-150MX OR RBY-200MX.

D 1\"/>

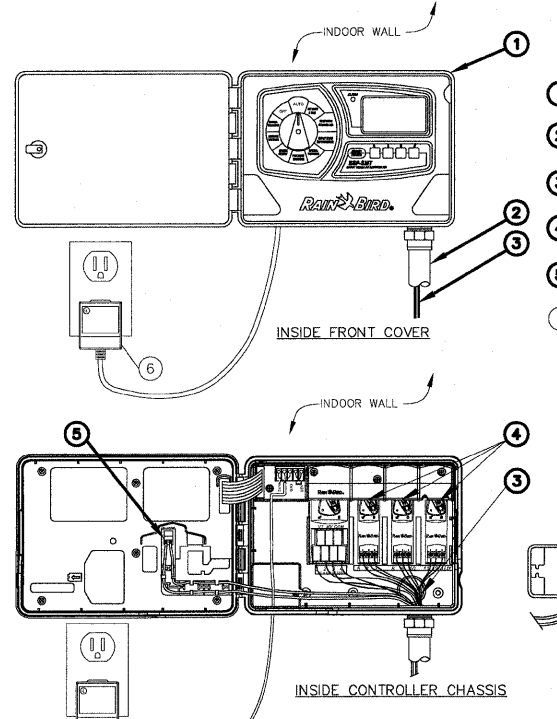
- LEGEND**
1. SEE PLAN FOR NOZZLES
 2. APPROVED BACKFILL
 3. TORO 570Z-4P SPRINKLER
 4. LATERAL PIPE
 5. THREADED LATERAL TEE (OR ELL)
 6. BARBED MALE ELL
 7. TORO SUPER FUNNY PIPE



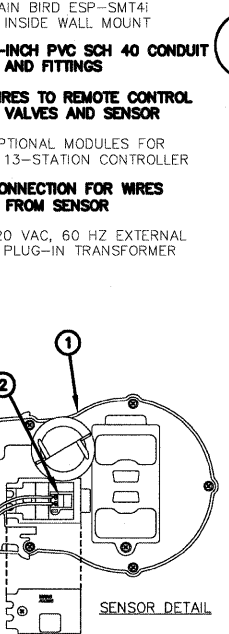
NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. CONTRACTORS NOTE FOR PRODUCT AND COMPANY INFORMATION VISIT WWW.CADDDETAILS.COM/INTL REFERENCE NUMBER 065-12a.

570Z SERIES
4 INCH POP-UP (FUNNY PIPE)

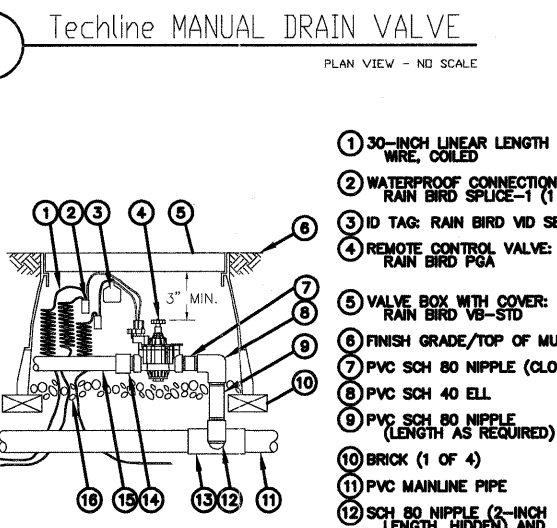
- Mainline (1.25\"/>
- Laterals (Class 160 or 200 PVC); sized as shown on plan.
- Netafim Techline CV Drip Tubing #TLCV4-18xx (4 gph emitter/18\"/>
- Sleeves (2\"/>
- W** Flint & Walling Submersible Pump in Clearwater Solutions prefabricated Wet Well
- C** Controller: Toro Intellisense (#TIS-06-0D) Weathermatic Smartline (#SL1600) Rainbird ESP-SMT (#ESP-SMT4)
- PC** Pump Control and Pressure Tank
- X** Line-size brass ball valves (Matco-Norca #759T06), in valve boxes.
- Q** Quick Coupling Valves: Toro #474-00 Rainbird #5RC on swing joints, in valve boxes.
- E** Electric Control Valves: Toro #254-06-04 Weathermatic #12024EF-10 Irritrol #2500TF Rainbird #100-PGA
- R** Rainbird Drip Zone kit #XCZ-LF-100-PRF
- F** Netafim Manual Flush Valve #TLSOV
- MP** MP Rotator nozzle on Spray Head body
- Contractor** Contractor is responsible for the appropriate nozzle selection and arc adjustment to provide 100% coverage of the conditions as they exist on site and to minimize overspray onto unwatered areas.
- Top** = Zone/Controller station assignment
- Bottom Left** = Size of valve
- Bottom Right** = Gallons per minute for that zone



D ESP-SMT SMART CONTROL SYSTEM
N.T.S. (INDOOR) 1-82-04



D ESP-SMT SMART CONTROL SYSTEM
N.T.S. (INDOOR) 1-82-04



D ELECTRIC REMOTE-CONTROL VALVE
N.T.S. PGA SERIES 1-82-04

FILE NAME =	DESIGNED — P.L.S.	REVISED — 04-01-11
PLOT DATE =	DRAWN — R.N.R.	REVISED — 04-22-11
	CHECKED — J.M.B.	REVISED —
	DATE — 3-11	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

L5.2 - IRRIGATION DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE : VARIES SHEET NO. 40 OF 40 SHEETS STA. TO STA.		10-00243-02-LS	MCLEAN	40	40	
		CONTRACT NO. 91461		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		