

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
MULTI-USE PATH
THE LOWELL TRAIL, PHASE 2

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
S. B. L.	*	LEE	21	1
F.A.A.L.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

* Section 09-P4000-01-BT Contract #85504

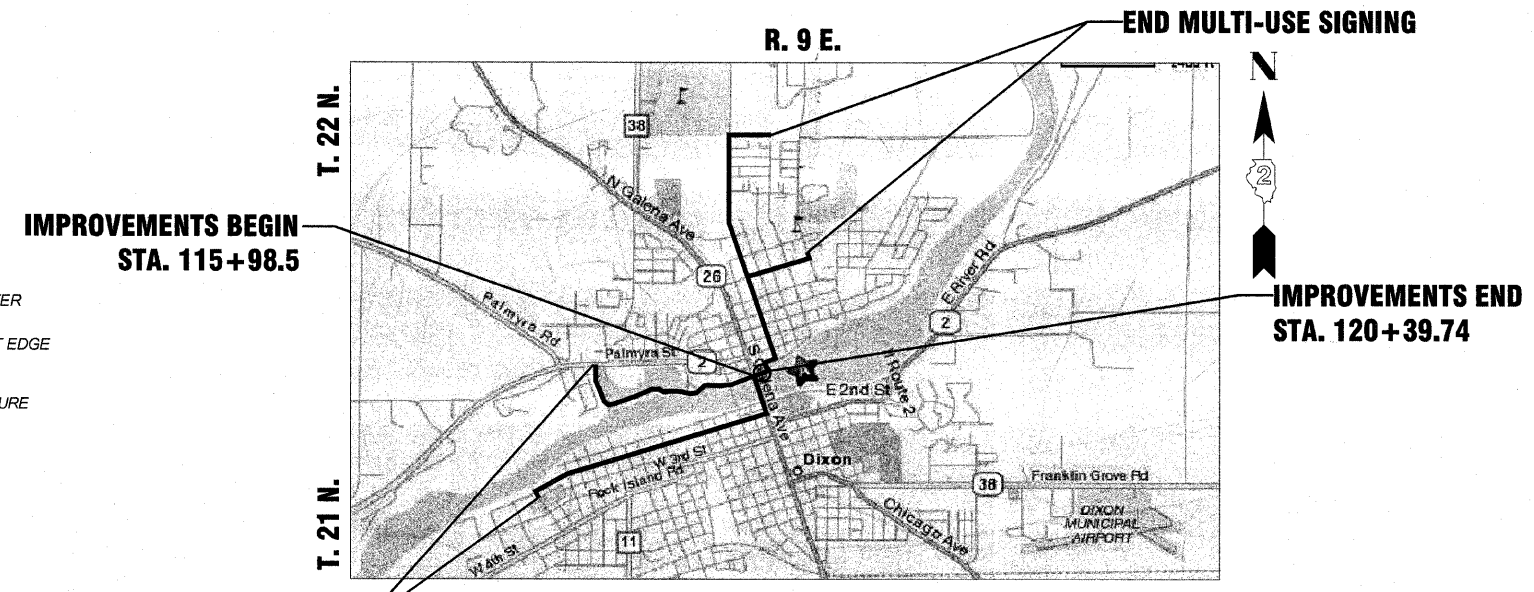
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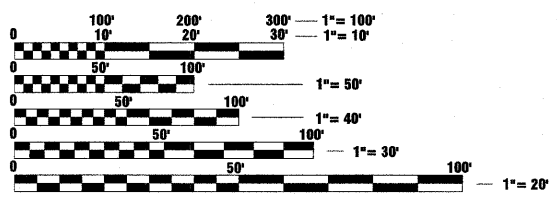
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT
PROJECT ARA-00D2(140)
JOB NO. C-92-044-10

HIGHWAY STANDARDS

STANDARD	TITLE
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
602401-02	MANHOLE, TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03	FRAME AND LIDS, TYPE 1
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606101-04	TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS >45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701801-04	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)



LOCATION MAP - DIXON, ILLINOIS
PATH CONSTRUCTION LENGTH = 441.24 FT (0.084 MI)
TOTAL LENGTH OF SECTION (INCLUDING SIGNAGE) = 25,500 FT (4.84 MI)



THE LOCATIONS OF UTILITY FACILITIES AS SHOWN ON THESE PLANS ARE AN ESTIMATE AND NOT INTENDED AS FIELD LOCATIONS FOR CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITIES PRIOR TO CONSTRUCTION AND CALLING J.U.L.I.E. AT 800-892-0123 FOR CONFIRMATION OF EXISTING UTILITY LOCATIONS.

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

TRAFFIC DATA:
 FUNCTIONAL CLASSIFICATION: LOWELL TRAIL - EXISTING ±10'
 WIDE MULTI USE TRAIL NOT ADJACENT TO ROADWAY



Scott A. Brown 12/15/09
 DATE
 SCOTT A. BROWN
 DIXON, ILLINOIS
 ILLINOIS LICENSED PROFESSIONAL
 ENGINEER NO. 062-053649
 EXPIRES 11-30-2011

DIXON PARK DISTRICT

APPROVED 12-16 2009

Debra Carey
 DIXON PARK DISTRICT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PASSED January 5 2010

James L. Johnson
 DISTRICT 2 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW January 5 2010

George F. Ryan
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

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OF THE STATE OF ILLINOIS

 GROUND BREAKING SOLUTIONS engineers - surveyors - scientists www.wendlergs.com	Date: 12/15/2009
	Job: 2090299

GENERAL NOTES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	*	LEE	21	2
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

* Section 09-P4000-01-BT Contract #85504

SUMMARY OF QUANTITIES - CONSTRUCTION TYPE CODE: Y047				
	ITEM NUMBER	ITEM	UNIT	QUANTITY
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	34
△	20101700	SUPPLEMENTAL WATERING	UNIT	1
*	20200410	EARTH EXCAVATION (SPECIAL)	CU YD	425
	20800150	TRENCH BACKFILL	CU YD	50
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	774
* △	25000900	SEEDING, CLASS 1 (SPECIAL)	ACRE	0.047
△	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	194
△	25200100	SODDING	SQ YD	580
	28000400	PERIMETER EROSION BARRIER	FOOT	430
	28000500	INLET AND PIPE PROTECTION	EACH	3
*	28500200	PRECAST BLOCK REVETMENT MAT	SQ YD	109
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1.3
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	53
*	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3643
*	42400430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	166
*	42400500	PORTLAND CEMENT CONCRETE SIDEWALK, SPECIAL	SQ FT	1625
	42400800	DETECTABLE WARNINGS	SQ FT	20
	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	175
	44000600	SIDEWALK REMOVAL	SQ FT	2805
*	50300225	CONCRETE STRUCTURES	CU YD	58.2
	50800105	REINFORCEMENT BARS	POUND	100
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	4860
*	50901765	PIPE HANDRAIL, SPECIAL	FOOT	300
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
*	60242700	INLETS, SPECIAL, NO. 3	EACH	1
*	60244110	INLETS, SPECIAL, WITH TYPE 9 FRAME AND GRATE	EACH	2
	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1
*	60260050	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1
	60602500	CONCRETE GUTTER, TYPE A	FOOT	122
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	89
	63200310	GUARDRAIL REMOVAL	FOOT	38
*	63400305	GUARD POSTS, SPECIAL	EACH	2
	67100100	MOBILIZATION	L SUM	1
	70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
	72000100	SIGN PANEL - TYPE 1	SQ FT	169.8
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	588
△	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2.9
△	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	62
△	78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	44
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	112
△	A2001714	TREE, ACER SACCHARUM (SUGAR MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	2
△	A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	2
△	A2007114	TREE, QUERCUS RUBRA (RED OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	2
*	X0322973	REMOVE EXISTING SEA WALL	FOOT	148
* △	X0323444	DECORATIVE STEEL RAILING	FOOT	68
*	XX003424	CONNECTION TO EXISTING STRUCTURE	EACH	2
*	XX007100	LIMESTONE CAP	FOOT	29
*	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	105
△ *	Z0034000	MASONRY STEPS	SQ FT	110
△ *	Z0069100	STONE MASONRY WALL	FOOT	190

* SEE SPECIAL PROVISIONS
 △ SPECIALTY ITEMS

- 1) THE FINAL TOP 100 MM (FOUR INCHES) OF SOIL IN ANY AREA DISTURBED BY THE CONTRACTOR MUST BE A COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION.
- 2) WHEN MULCH WITH EMULSIFIED ASPHALT IS APPLIED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COVER OR PROTECT ALL TRAFFIC SIGNS, GUARDRAILS AND CURBS. ANY SIGNS, GUARDRAIL OR CURBS WHICH BECOME COVERED WITH ASPHALTIC MATERIAL SHALL BE CLEANED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- 3) A NATIONWIDE 404 PERMIT HAS BEEN ISSUED FOR THIS PROJECT AND THE CONDITIONS OF THAT PERMIT MUST BE ADHERED TO.
- 4) THE NEW MANHOLE LIDS ON THIS PROJECT SHALL HAVE THE WORD "STORM", "SANITARY", OR "WATER" ON THE LID. THE WORD TO BE USED IS NOTED ON THE PLANS. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE WORD TO BE USED ON OTHER LIDS NOT NOTED ON THE PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK.
- 5) ALL PROPOSED MANHOLES AND INLETS ON THIS PROJECT SHALL BE CAST IN PLACE OR PRECAST. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR MANHOLE OR CONTRACT UNIT PRICE EACH FOR INLET SPECIAL- TYPE W OF THE TYPE AND SIZE SPECIFIED. ONLY BICYCLE SAFE GRATES SHALL BE USED ON THIS PROJECT.
- 6) THE CONTRACTOR SHALL DETERMINE FLOWLINES OF EXISTING SEWER LINES WHICH ARE SHOWN ON THE PLANS AS ESTIMATED OR UNKNOWN. THIS INFORMATION IS NECESSARY BEFORE ORDERING INLETS AND MANHOLES.
- 7) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING IS A LIST OF THE JULIE MEMBERS AND THE STATUS OF THEIR FACILITIES LOCATED WITHIN OR ADJACENT TO THE PROJECT CONSTRUCTION LIMITS.

TELEPHONE
 Ms. Cindy Olson
 Century Tel Communications
 2296 N. Henderson Street
 Galesburg, IL 61401
 Telephone(309) 345-5240

GAS
 Ms. Constance Lane
 NICOR Gas Co
 1844 Ferry Road
 Naperville, IL 60563
 (630) 983-8676

TELEPHONE
 Mr. Paul Larose
 Norlight Telecommunications
 13935 Bishops Drive
 Brookfield, WI 53005
 (812) 759-7893

SANITATION
 Mr. Dan Mahan
 City of Dixon Wastewater
 Collection & Treatment Facility
 2600 W. 3rd Street
 Dixon, IL 61021
 (815) 288-3383

ELECTRIC
 Mr. Dave Schacht
 Commonwealth Edison Company
 123 Energy Avenue
 Rockford, IL 61109
 (630) 437-2129

CATV
 Mr. Mike Owens
 Comcast
 4450 Kishwaukee Street
 Rockford, IL 61109
 (815) 395-8977

WATER
 Mr. Rusty Cox
 Dixon Water Department
 P.O. Box 386
 Dixon, IL 61021
 (815) 288-3381

THE INFORMATION ABOVE IS PROVIDED FOR THE CONVENIENCE OF THE BIDDER AND REFLECTS THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN SUBMITTAL. THIS INFORMATION IS NOT INTENDED TO INDICATE THAT THESE WILL BE THE ONLY UTILITY CONFLICTS THROUGHOUT THE PROJECT. THE APPLICABLE PROVISIONS OF SECTIONS 102, AND OF ARTICLES 105.07, 107.20, 107.31 AND 108.02 OF THE STANDARD SPECIFICATIONS SHALL APPLY. CONTACT PERSONS, PHONE NUMBERS, AND ADDRESSES WILL BE SUPPLIED AFTER THE AWARD OF THE CONTRACT ESTIMATED UTILITY RELOCATION DATES OR WORKING DAYS SHOULD BE PART OF THE PROGRESS SCHEDULE SUBMITTED BY THE CONTRACTOR. IF ANY UTILITY ADJUSTMENTS OF RELOCATIONS HAVE NOT BEEN COMPLETED PER THE ABOVE COMMENTS, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER IN WRITING.


- 8) ALL HANDRAIL, POSTS & RAILING SHALL BE PAINTED A DARK GREEN TO MATCH EXISTING COLORS ON THE GALENA AVENUE BRIDGE. COLOR SAMPLES SHOULD BE PROVIDED TO THE OWNER FOR APPROVAL.
- 9) THE REMOVAL OF BITUMINOUS SURFACING REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION.
- 10) THE CONTRACTOR SHALL SALVAGE ALL EXISTING STONE WALLS AND STEPS, AND EXISTING BLOCK REVETMENT MAT. THIS MATERIAL THAT DOES NOT GET RE-USED ON THIS PROJECT SHALL REMAIN ON THE PROPERTY OF DIXON PARK DISTRICT. THE CONTRACTOR SHALL NOTIFY DEB CAREY (815) 284-3306.
- 11) ALL FULL DEPTH SAW CUTS PERFORMED SHALL BE INCIDENTAL TO THE CONTRACT.
- 12) THE LOCATION OF THE TREE REPLACEMENT PLANTINGS SHALL BE DETERMINED BY THE DIXON PARK DISTRICT PRIOR TO SODDING INSTALLATION.

BENCHMARK INFORMATION

BM #21 - CHISELED "X" ON NORTH FLANGE BOLT OF F.H. ±500' WEST OF BENCHMARK 24, N. SIDE OF LINCOLN STATUE DR. ELEV. 651.21
 BM #24 - CHISELED "X" ON N. TOP FLANGE BOLT OF F.H. @ N.W. QUAD OF PEORIA AVE & LINCOLN STATUE DR. ELEV. 653.98
 BM #25 - RR SPIKE IN EAST FACE OF P.P. ±150' S. OF INTERSECTION OF EVERETT ST. & LINCOLN STATUE DR. ON W. SIDE OF NATIONAL GUARD BLDG. ON E. SIDE OF RD. ELEV. 664.58

BITUMINOUS SPECIFICATIONS

MIXTURE USES(S):	SURFACE
PG GRADE	PG58-22
DESIGN AIR VOIDS	3.0% @ N50
MIXTURE COMPOSITION	IL 9.5
FRICTION AGGREGATE	MIXTURE C
MIX UNIT WEIGHT	112 LBS/SY/IN

SUMMARY OF QUANTITIES & NOTES	
THE LOWELL TRAIL, PH. 2 SECTION 09-P4000-01-BT DIXON PARK DISTRICT	
	Date: 12/15/2009
www.wendlers.com GROUNDBREAKING SOLUTIONS engineers - surveyors - scientists ph: 815.288.2261	Job: 2090299

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P. B. L.	*	LEE	21	3
F.A.M.				
FED. ROAD DIST. NO. 7	BILLINGS	FED. AID PROJECT-		

* Section 09-P4000-01-BT Contract #85504

40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	
	LOCATION	TON
	STA. 119+58 - STA. 120+40	
	TOTAL	53
42400430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	
	LOCATION	SQ. FT.
	LT. STA. 117+54 - LT. STA. 117+90	166
	TOTAL	166
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	
	LOCATION	SQ. FT.
	STA. 0+68 - STA. 1+53	445
	STA. 116+80 - STA. 119+71	2949
	RT. STA. 119+43	249
	TOTAL	3643
42400800	DETECTABLE WARNINGS	
	LOCATION	SQ. FT.
	STA. 119+65	20
	TOTAL	20
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
	LOCATION	FOOT
	STA. 117+00	25
	RT. STA. 118+75 - LT. STA. 119+28	51
	LT. STA. 119+28 - RT. STA. 119+51	28
	RT. STA. 119+63	8
	TOTAL	112
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	
	LOCATION	EACH
	LT. STA. 119+28	1
	TOTAL	1
60242700	INLETS, SPECIAL, NO. 3	
	LOCATION	EACH
	RT. STA. 119+63	1
	TOTAL	1
60244110	INLETS, SPECIAL, WITH TYPE 9 FRAME AND GRATE	
	LOCATION	EACH
	RT. STA. 118+84	1
	LT. STA. 117+00	1
	TOTAL	2
60260050	SANITARY MANHOLES TO BE RECONSTRUCTED	
	LOCATION	EACH
	STA. 119+20	1
	TOTAL	1

60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	
	LOCATION	EACH
	RT. STA. 119+57	1
	TOTAL	1
60602500	CONCRETE GUTTER, TYPE A	
	LOCATION	FOOT
	LT. STA. 116+98 - LT. STA. 117+51	54
	RT. STA. 118+75 - RT. STA. 119+38	68
	TOTAL	122
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	
	LOCATION	FOOT
	LT. STA. 119+71	24
	RT. STA. 119+71	65
	TOTAL	89
63400305	GUARD POSTS, SPECIAL	
	LOCATION	EACH
	STA. 119+68	2
	TOTAL	2
A2001714	TREE, ACER SACCHARUM (SUGAR MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED	
	LOCATION	EACH
	JOBSITE	2
	TOTAL	2
A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	
	LOCATION	EACH
	JOBSITE	2
	TOTAL	2
A2007114	TREE, QUERCUS RUBRA (RED OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	
	LOCATION	EACH
	JOBSITE	2
	TOTAL	2
XX003424	CONNECTION TO EXISTING STRUCTURE	
	LOCATION	EACH
	STRUCTURE NO. 1	1
	STRUCTURE NO. 2	1
	TOTAL	2
Z0001050	AGGREGATE SUBGRADE 12"	
	LOCATION	SQ. YD.
	STA. 119+58 - STA. 120+40	105
	TOTAL	105

LEGEND

TOPOGRAPHIC	SURVEY
— BOUNDARY OF SURVEY	● STEEL PIN FOUND
- - - SECTION LINE	○ STEEL PIN SET
- - - RIGHT OF WAY LINE	○ SET SURVEY NAIL
- - - CENTERLINE	⊕ R.O.W. MARKER
- - - BUILDING SETBACK (BSL)	+ CHISELED "X"
- - - EASEMENT (UE)	▲ STONE FOUND
G GAS MAIN	
W WATERMAIN	
OE OVERHEAD ELECTRIC LINE	
UGE UNDERGROUND ELECTRIC	
OT OVERHEAD TELEPHONE LINE	
UGT UNDERGROUND TELEPHONE	
DT DRAIN TILE LINE	
X - - - X FENCE LINE	
— S S - - - S STORM SEWER	
— S - - - S SANITARY SEWER	
— C - - - C CURB AND GUTTER	
— D - - - D DEPRESSED CURB	
847 EXISTING CONTOUR LINE	
● DECIDUOUS SHRUB	□ MANHOLE FOR ELECTRIC
● CONIFEROUS SHRUB	— GUY WIRE
● DECIDUOUS TREE	☼ STREET LIGHT
● CONIFEROUS TREE	⊕ FIRE HYDRANT
● STUMP	⊙ MANHOLE
○ TELEPHONE POLE	□ CLEANOUT
□ TELEPHONE PEDESTAL	⊗ WATER VALVE
□ CABLE TV RISER	⊙ GAS VALVE
□ POWER POLE	⊕ DROP INLET
□ ELEC. PAD W/ TRANS.	⊕ INLET
□ GAS METER/REGULATOR	○ SIGN
	● PROPOSED SANITARY SEWER
	○ PROPOSED SANITARY MANHOLE
	— PROPOSED SANITARY SERVICE
	— PROPOSED WATER MAIN
	— PROPOSED WATER SERVICE
	— PROPOSED WATER VALVE
	— PROPOSED FIRE HYDRANT
	— PROPOSED STORM SEWER
	— PROPOSED STORM INLET
	□ PROPOSED STORM MANHOLE
	— PROPOSED DRAIN TILE
	— PROPOSED END SECTION
	— PROPOSED RIP RAP
	— PROPOSED DIRECTION OF FLOW
	— PROPOSED 100 YEAR FLOOD ROUTE
	— T.F.E. TOP OF FOUNDATION
	— PROPOSED CONTOUR LINE
	— PROPOSED CURB & GUTTER

EARTH WORK SCHEDULE

LOCATION	EARTH	
	EXCAVATION	EMBANKMENT
	CU. YD.	CU. YD.
STA. 115+98.50 - STA. 119+70.81	390	56
STA. 119+58 - STA. 120+40	35	0
TOTAL	425	56

SCHEDULE OF QUANTITIES

THE LOWELL TRAIL, PH. 2
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT



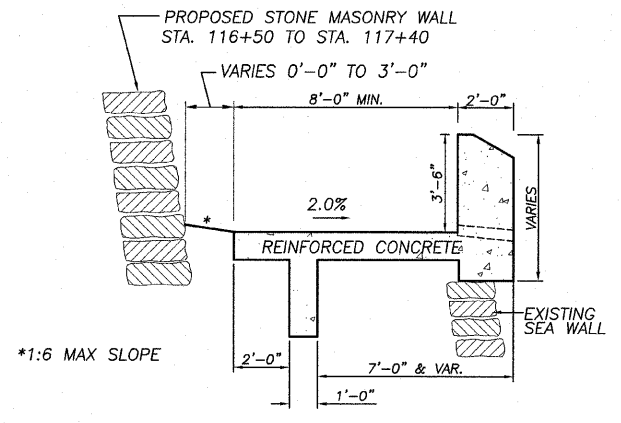
www.wendlers.com GROUNDBREAKING SOLUTIONS engineers · surveyors · scientists ph: 815.288.2261

Date: 12/15/2009

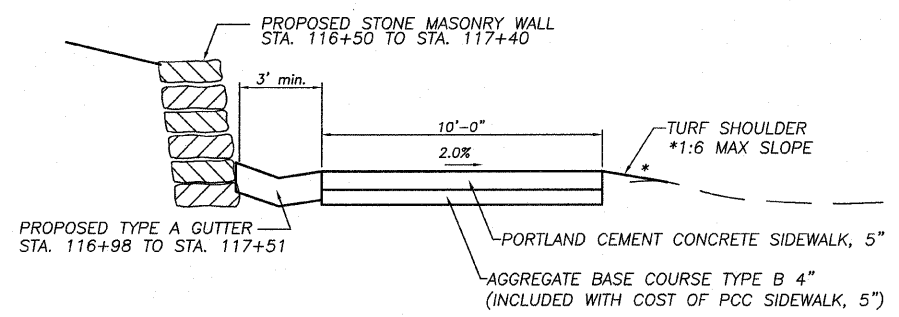
Job: 2090299

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D. B. 1.	*	LEE	21	4
F.A.M.				
FED. ROAD DIST. NO. 7	BILLINGS	FED. AID PROJECT-		

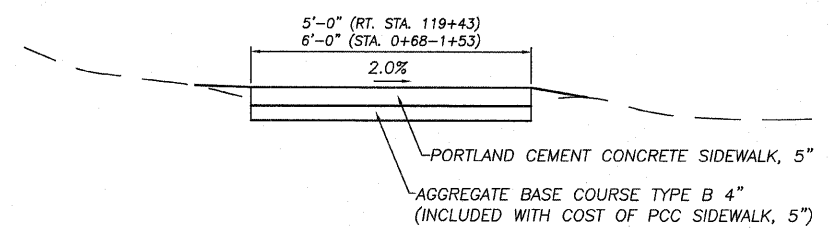
* Section 09-P4000-01-BT Contract #B5504



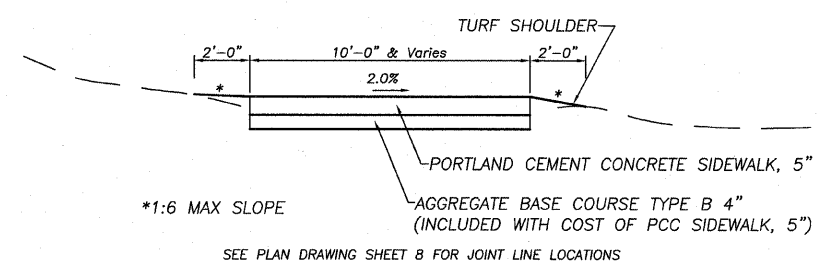
TYPICAL BIKE PATH SECTION
STA. 115+98.5 TO STA. 116+80.31



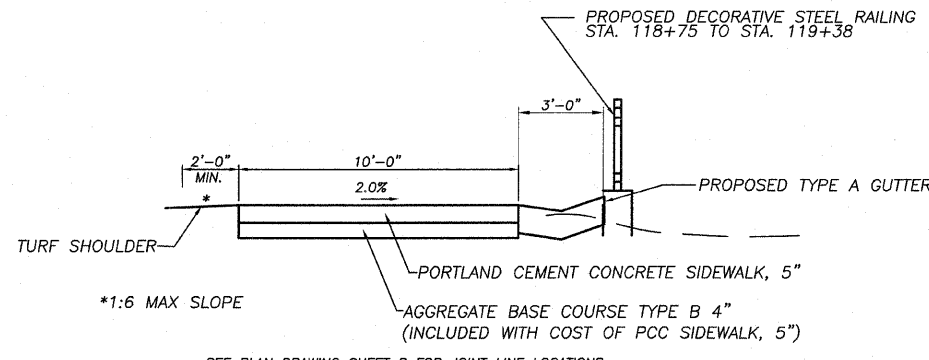
TYPICAL BIKE PATH SECTION
STA. 116+98 TO STA. 117+51



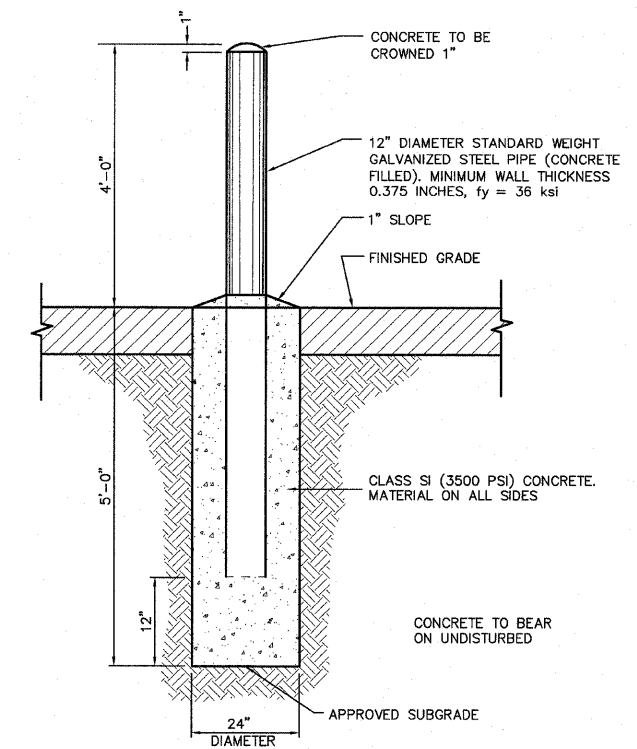
PCC SIDEWALK
RT. STA. 119+43
STA. 0+68 - STA. 1+53



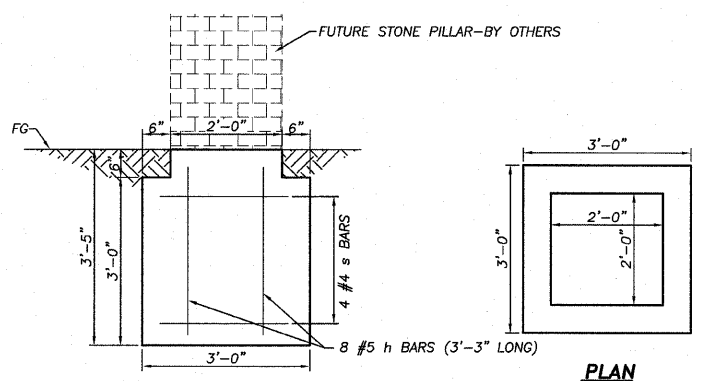
BIKE PATH SECTION
STA. 116+80.31 TO STA. 116+98
STA. 117+51 TO STA. 118+75



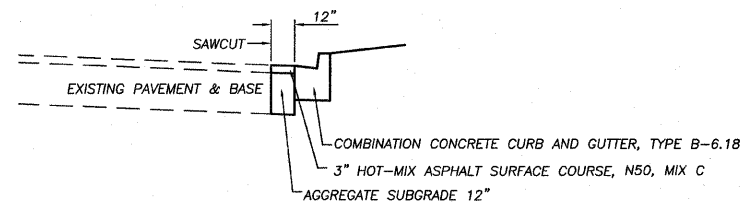
TYPICAL BIKE PATH SECTION
STA. 118+75 TO STA. 119+38



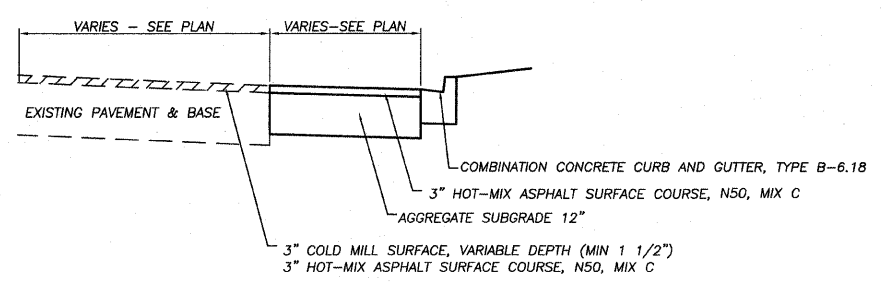
GUARD POSTS, SPECIAL
SEE SPECIAL PROVISIONS



CONCRETE FOUNDATION
RT. & LT. STA. 119+60



TYPICAL SECTION - OTTAWA AVE.
PROPOSED CURB ADJACENT TO EXIST. PAVEMENT



TYPICAL SECTION - OTTAWA AVE.
PROPOSED PAVEMENT & OVERLAY

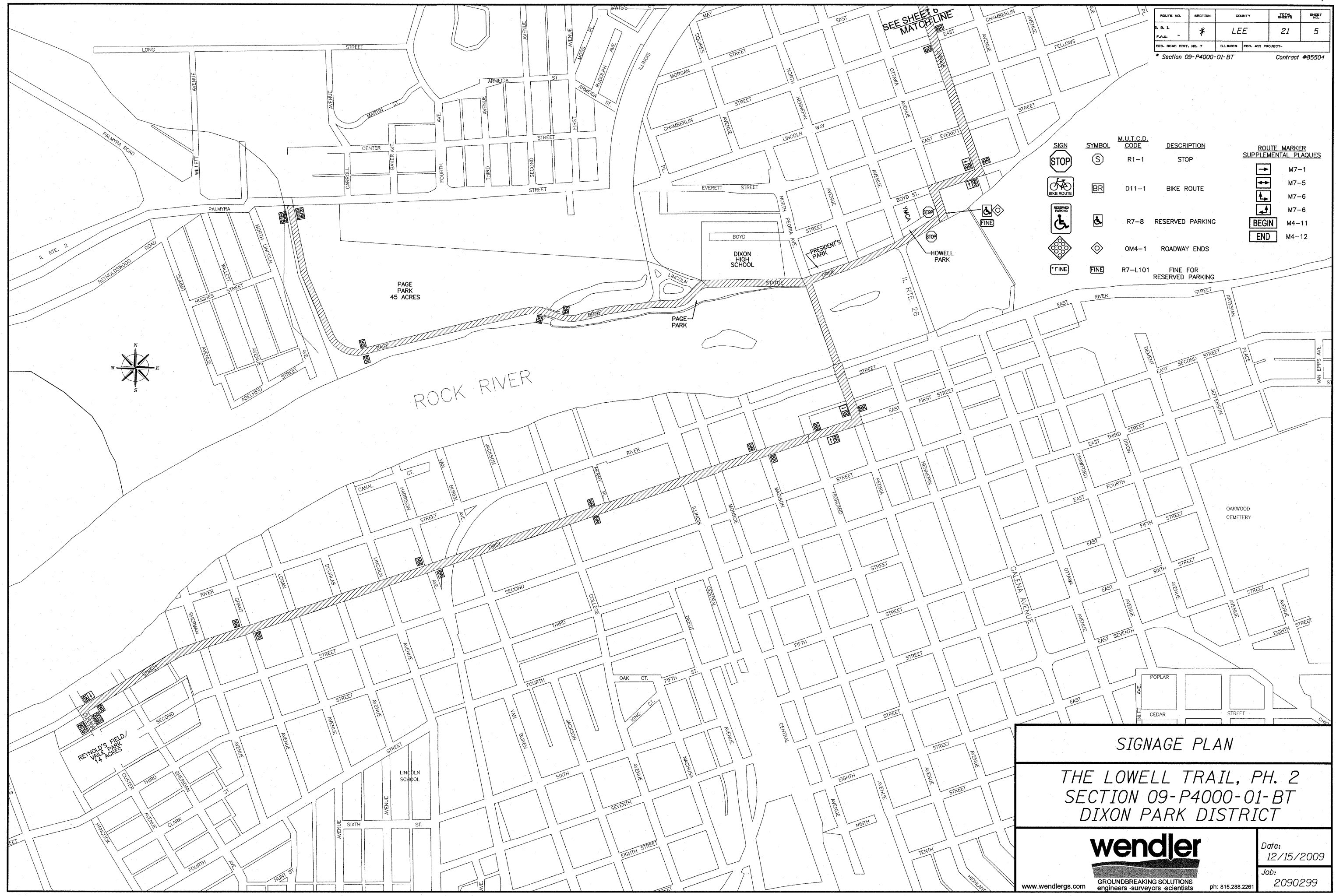
BILL OF MATERIAL			
Concrete Structures	Cu. Yds.	2.2	
Reinforcement Bars	Lbs.	100	

TYPICAL SECTIONS & DETAILS
THE LOWELL TRAIL, PH. 2
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT

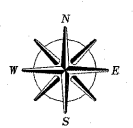
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engineers - surveyors - scientists
www.wendlergs.com ph: 815.288.2261

Date: 12/15/2009
Job: 2090299

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R. B. I.	*	LEE	21	5
F.A.A.L.				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	
* Section 09-P4000-01-BT				Contract #85504



SIGN	SYMBOL	M.U.T.C.D. CODE	DESCRIPTION	ROUTE MARKER SUPPLEMENTAL PLAQUES
	(S)	R1-1	STOP	M7-1
	BR	D11-1	BIKE ROUTE	M7-5
	(wheelchair icon)	R7-8	RESERVED PARKING	M7-6
	(diamond with X)	OM4-1	ROADWAY ENDS	M7-6
	(diamond with R)	R7-L101	FINE FOR RESERVED PARKING	M4-11
	(arrow pointing right)			M4-12
	(arrow pointing left)			



SIGNAGE PLAN

THE LOWELL TRAIL, PH. 2
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT

Date:
12/15/2009

Job:
2090299

www.wendlers.com GROUND BREAKING SOLUTIONS
 engineers - surveyors - scientists ph: 815.288.2261

SIGN SCHEDULE

LOCATION	TELESCOPING STEEL SIGN SUPPORT FOOT	D11-1	M7-1	M7-5	M7-6	M4-11	M4-12	R1-1	R7-8	OM4-1	R7-L101
		24"x18"	12"x9"	12"x9"	12"x9"	12"x4"	12"x4"	18"x18"	12"x18"	18"x18"	12"x6"
REYNOLDS FIELD/VAILE PARK	2 @ 12	2									
CUSTER & FIRST STREET	2 @ 12	2	1								
FIRST & GRANT	2 @ 10	2									
FIRST & HARRISON	2 @ 10	2									
FIRST & PERRY	2 @ 10	2									
FIRST & MADISON	2 @ 10	2									
FIRST & PEORIA	2 @ 10, 2 @ 12	4	2								
SUBTOTAL	16EA./172LF	16	3								
IL RT 2 & PAGE DRIVE	2 @ 12	2				1	1				
PAGE DRIVE	4 @ 10	4									
SUBTOTAL	6EA./64LF	6				1	1				
RT. STA. 119+15	1 @ 10							1			
LT. STA. 119+50	1 @ 10							1			
RT. STA. 119+59	1 @ 10								1		1
RT. STA. 119+59	1 @ 10									1	1
OTTAWA & BOYD	1 @ 10, 1 @ 12	2	1								
BOYD & BRINTON	2 @ 10, 1 @ 12	3	2								
BRINTON & E. CHAMBERLIN	2 @ 10	2									
BRINTON & MCKENNEY	3 @ 12, 1 @ 10	4		1	2						
BRINTON & E. BRADSHAW	2 @ 10	2									
BRINTON & NORTH COURT	2 @ 10	2									
BRINTON & MARCLARE	2 @ 10	2									
BRINTON & APPLE	2 @ 10	2									
BRINTON & MEADOWS TRAIL	2 @ 12	2				1	1			1	1
SUBTOTAL	25EA./264LF	21	3	1	2	1	1	2	1	1	1
MCKENNEY & JEFFERSON	2 @ 10	1									
MCKENNEY & WASHINGTON	2 @ 12, 2 @ 10	4	2								
WASHINGTON & BRADSHAW	2 @ 12	2	2								
SUBTOTAL	8EA./88LF	7	4								
TOTAL (EACH)	55	50	10	1	2	2	2	2	1	1	1
TOTAL (LF/SQ. FT.)	578	150	7.5	0.75	1.5	0.66	0.66	4.5	1.5	2.25	0.5

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9	1	LEE	21	6
F.A.A. - * ILLINOIS FED. AID PROJECT -				
* Section 09-P4000-01-BT Contract #85504				

SIGN SYMBOL M.U.T.C.D. CODE DESCRIPTION

BR D11-1 BIKE ROUTE

ROUTE MARKER SUPPLEMENTAL PLAQUES

M7-1

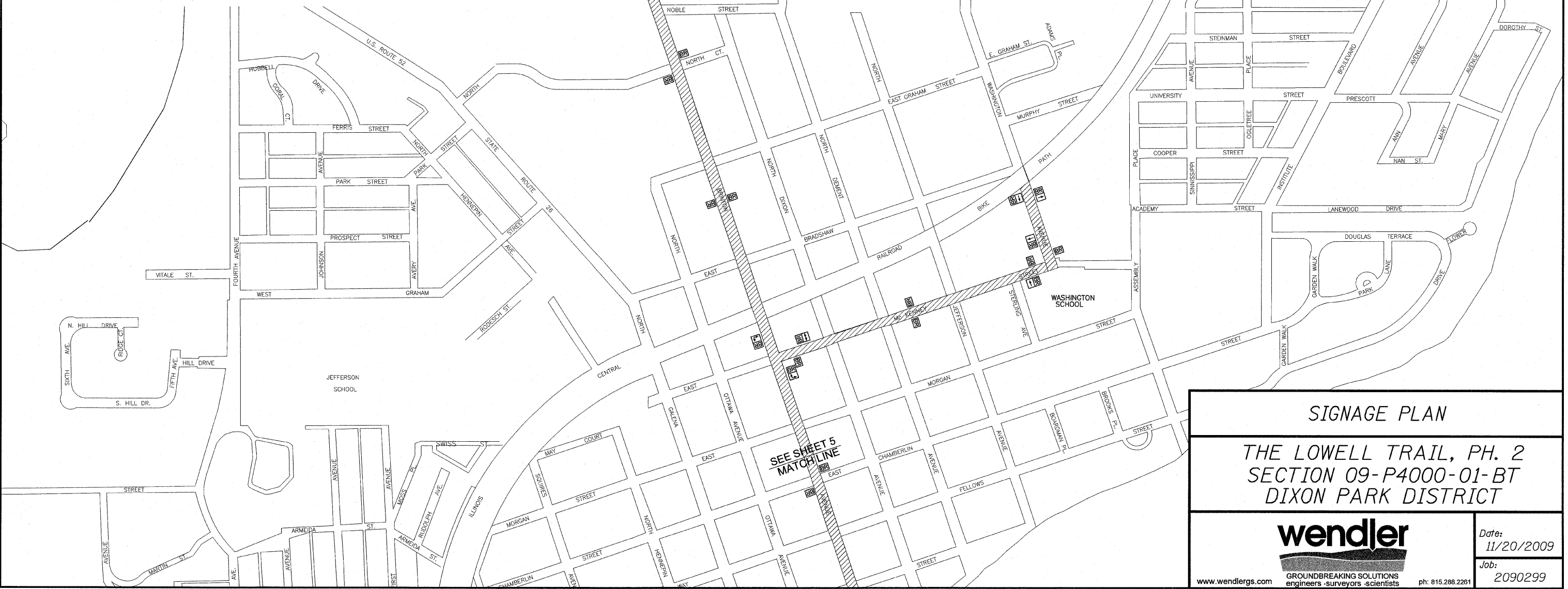
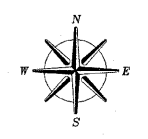
M7-5

M7-6

M4-11

M4-12

"THE MEADOWS" RECREATION FACILITIES 567 ACRES



SIGNAGE PLAN

THE LOWELL TRAIL, PH. 2

SECTION 09-P4000-01-BT

DIXON PARK DISTRICT

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Date: 11/20/2009

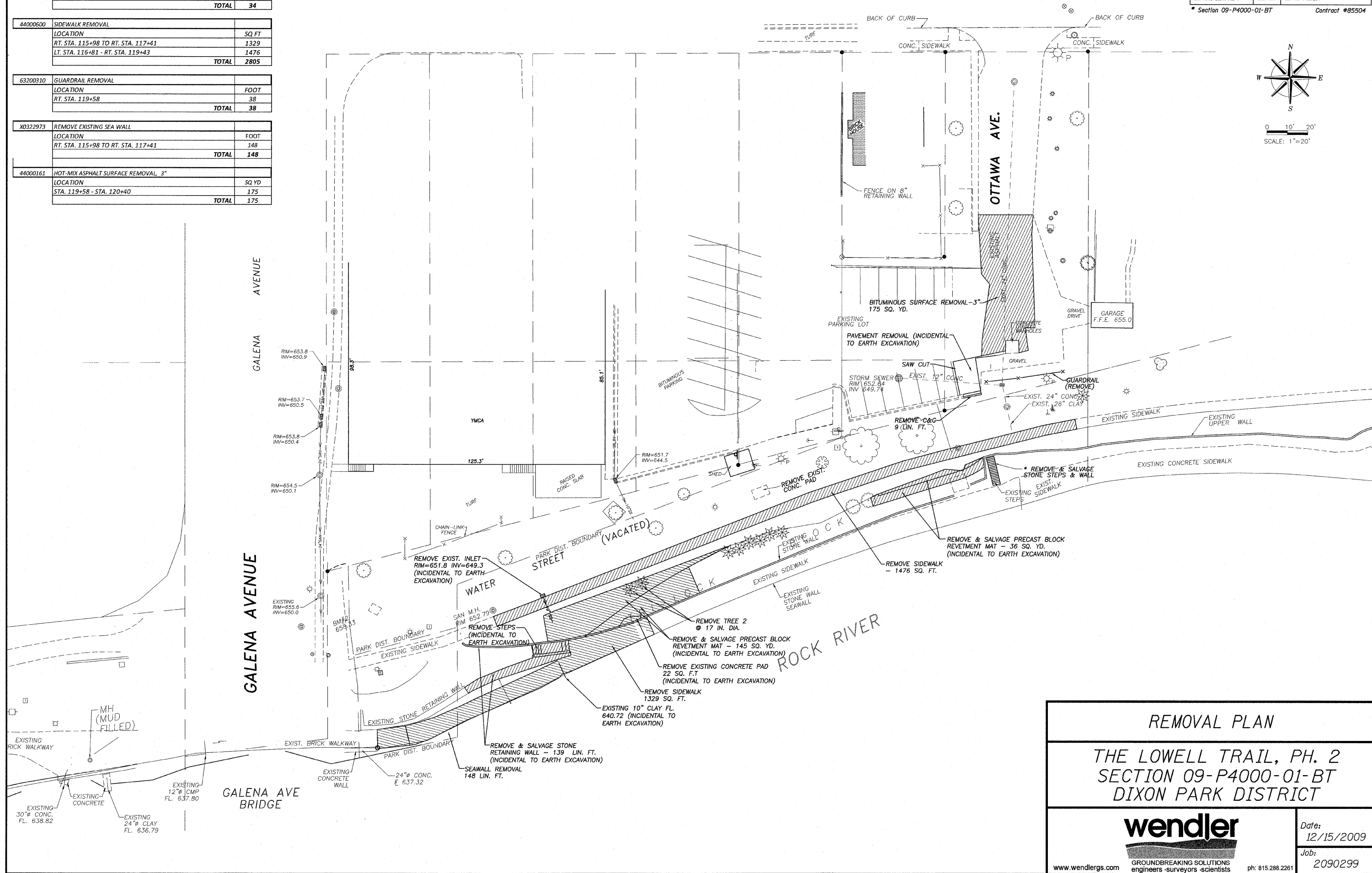
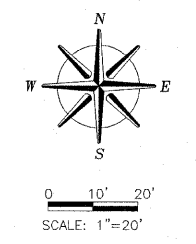
Job: 2090299

REMOVAL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	IN DIA	34
LOCATION			
LT. STA. 117+47			34
TOTAL			34
44000600	SIDEWALK REMOVAL	SQ. FT.	2805
LOCATION			
RT. STA. 115+98 TO RT. STA. 117+41			1329
LT. STA. 116+81 - RT. STA. 119+43			1476
TOTAL			2805
63200310	GUARDRAIL REMOVAL	FOOT	38
LOCATION			
RT. STA. 119+58			38
TOTAL			38
X0322973	REMOVE EXISTING SEA WALL	FOOT	148
LOCATION			
RT. STA. 115+98 TO RT. STA. 117+41			148
TOTAL			148
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ. YD.	175
LOCATION			
STA. 119+58 - STA. 120+40			175
TOTAL			175


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9	1	LEE	21	7
F.U.M.A.L.				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

* Section 09-P4000-01-BT Contract #85504



REMOVAL PLAN

THE LOWELL TRAIL, PH. 2
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT



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12/15/2009

Job:
2090299

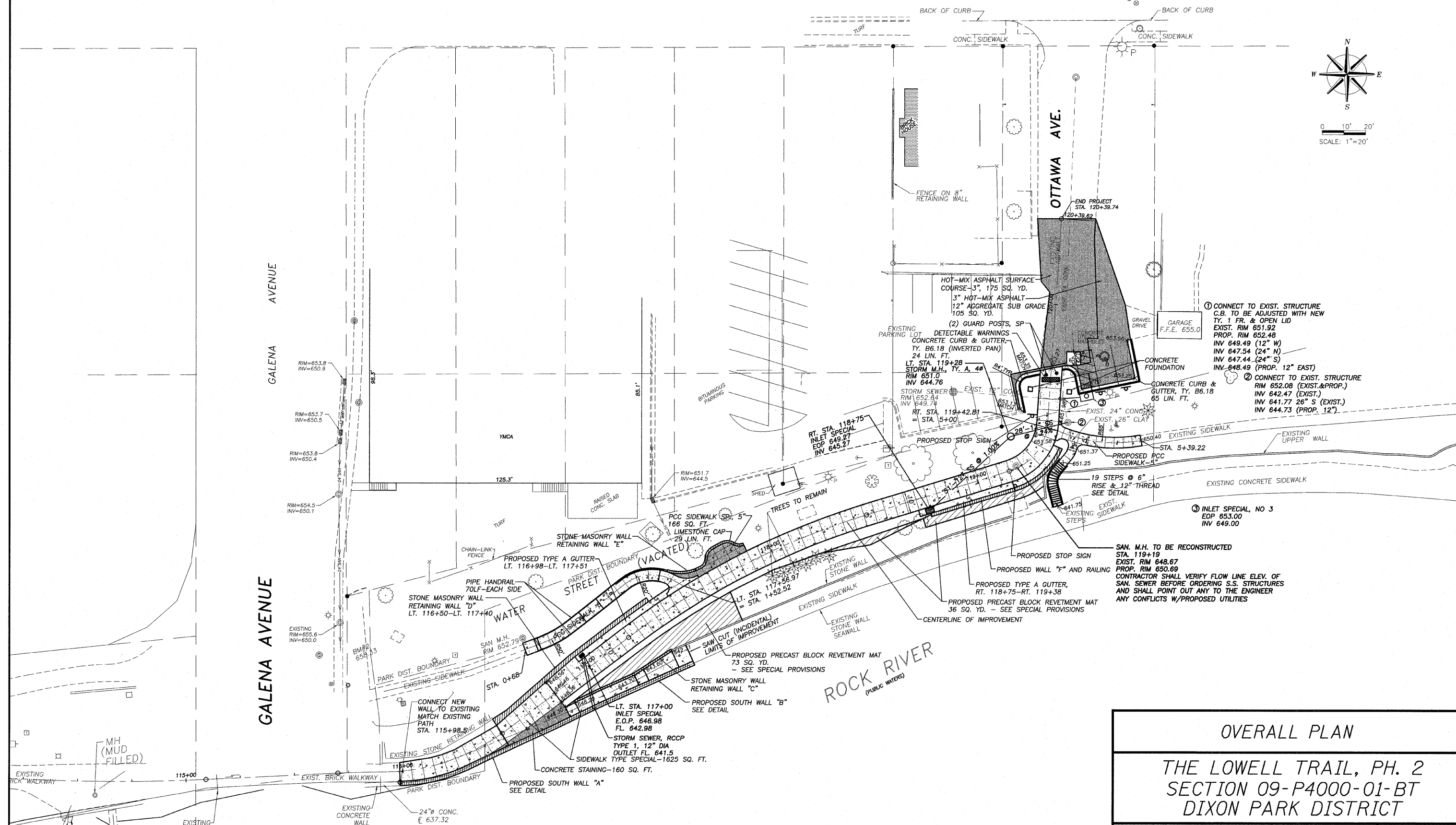
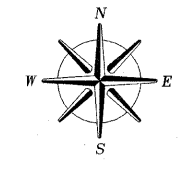
ph: 815.288.2261

12/15/2009 1:05:56 PM DSG

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P.A.M.	*	LEE	21	8
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

* Section 09-P4000-01-BT Contract #85504

BOYD STREET



- ① CONNECT TO EXIST. STRUCTURE C.B. TO BE ADJUSTED WITH NEW TY. 1 FR. & OPEN LID
EXIST. RIM 651.92
PROP. RIM 652.48
INV 649.49 (12" W)
INV 647.54 (24" N)
INV 647.44 (24" S)
INV 648.49 (PROP. 12" EAST)
- ② CONNECT TO EXIST. STRUCTURE RIM 652.08 (EXIST.&PROP.)
INV 642.47 (EXIST.)
INV 641.77 26" S (EXIST.)
INV 644.73 (PROP. 12")
- ③ INLET SPECIAL, NO 3
EOP 653.00
INV 649.00

SAN. M.H. TO BE RECONSTRUCTED
STA. 119+19
EXIST. RIM 648.67
PROP. RIM 650.69
CONTRACTOR SHALL VERIFY FLOW LINE ELEV. OF SAN. SEWER BEFORE ORDERING S.S. STRUCTURES AND SHALL POINT OUT ANY TO THE ENGINEER ANY CONFLICTS W/PROPOSED UTILITIES

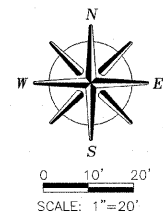
OVERALL PLAN
THE LOWELL TRAIL, PH. 2
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT

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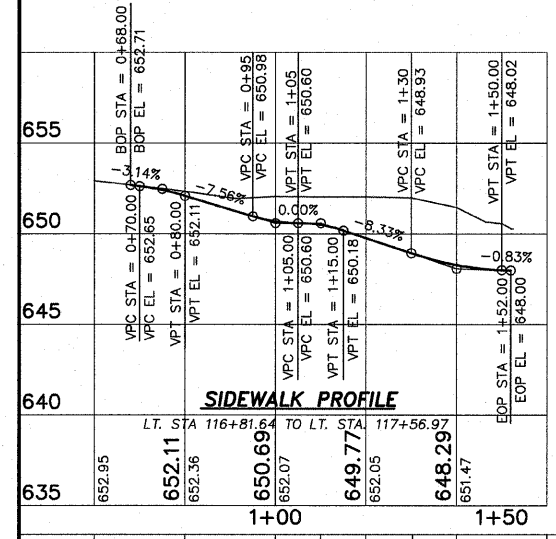
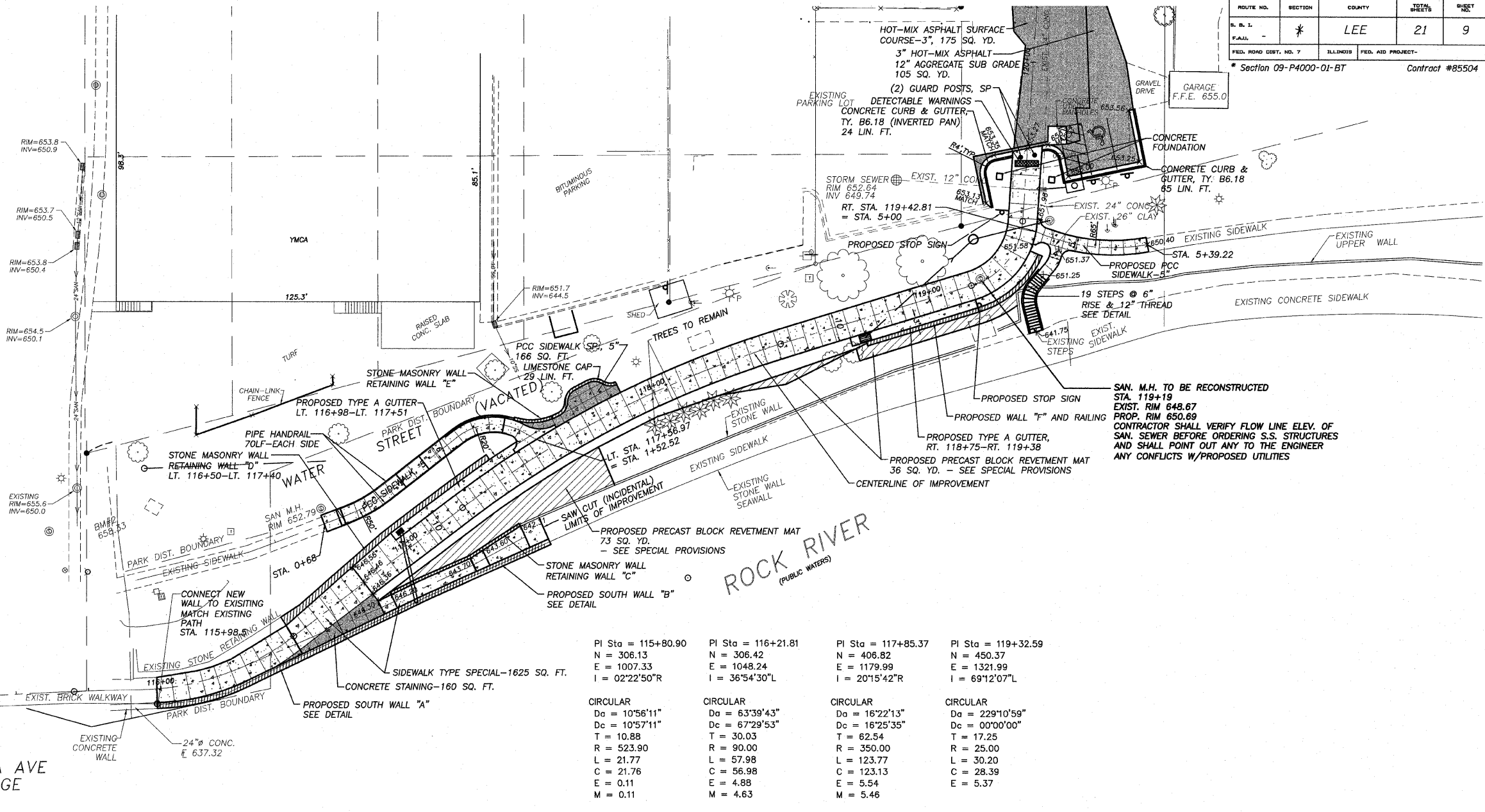
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. L.	*	LEE	21	9
F.A.A.L.				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT-				
Section 09-P4000-01-BT				Contract #85504



GALENA AVENUE

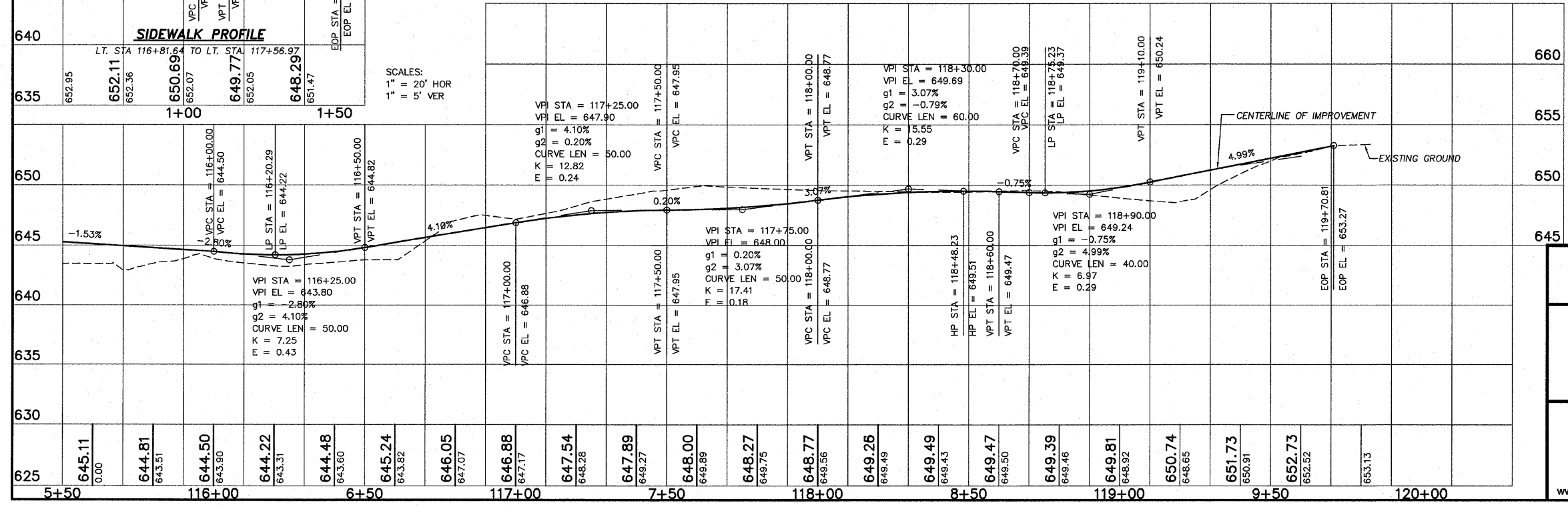
GALENA AVE BRIDGE

ROCK RIVER
(PUBLIC WATERS)



SCALES:
1" = 20' HOR
1" = 5' VER

PI Sta = 115+80.90 N = 306.13 E = 1007.33 I = 02°22'50"R CIRCULAR Da = 10°56'11" Dc = 10°57'11" T = 10.88 R = 523.90 L = 21.77 C = 21.76 E = 0.11 M = 0.11	PI Sta = 116+21.81 N = 306.42 E = 1048.24 I = 36°54'30"L CIRCULAR Da = 63°39'43" Dc = 67°29'53" T = 30.03 R = 90.00 L = 57.98 C = 56.98 E = 4.88 M = 4.63	PI Sta = 117+85.37 N = 406.82 E = 1179.99 I = 20°15'42"R CIRCULAR Da = 16°22'13" Dc = 16°25'35" T = 62.54 R = 350.00 L = 123.77 C = 123.13 E = 5.54 M = 5.46	PI Sta = 119+32.59 N = 450.37 E = 1321.99 I = 69°12'07"L CIRCULAR Da = 229°10'59" Dc = 00°00'00" T = 17.25 R = 25.00 L = 30.20 C = 28.39 E = 5.37
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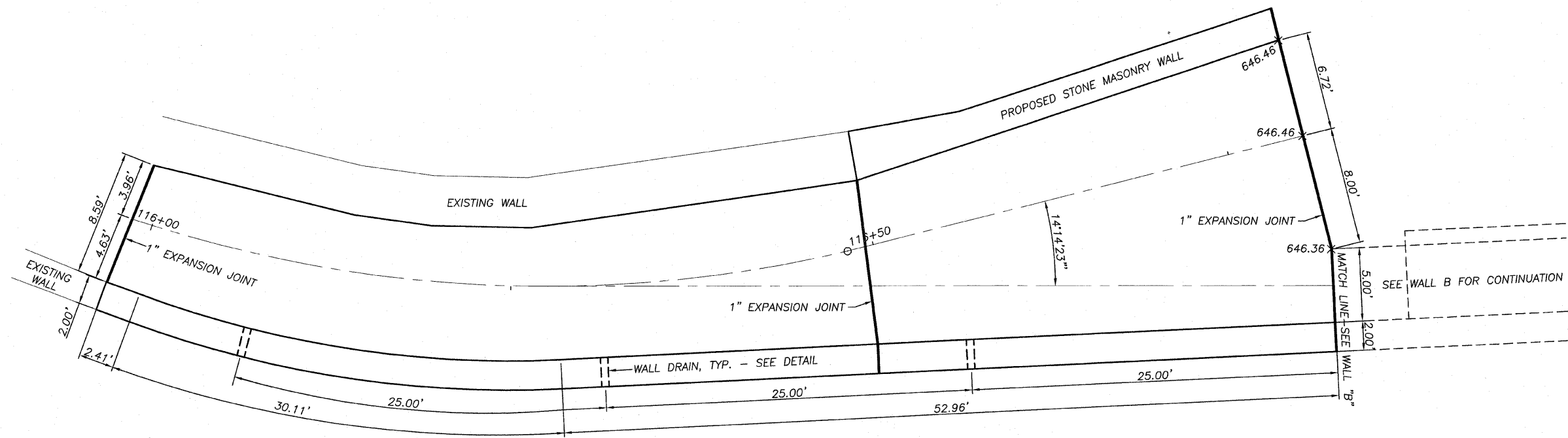
PLAN & PROFILE
THE LOWELL TRAIL, PH. 2
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT

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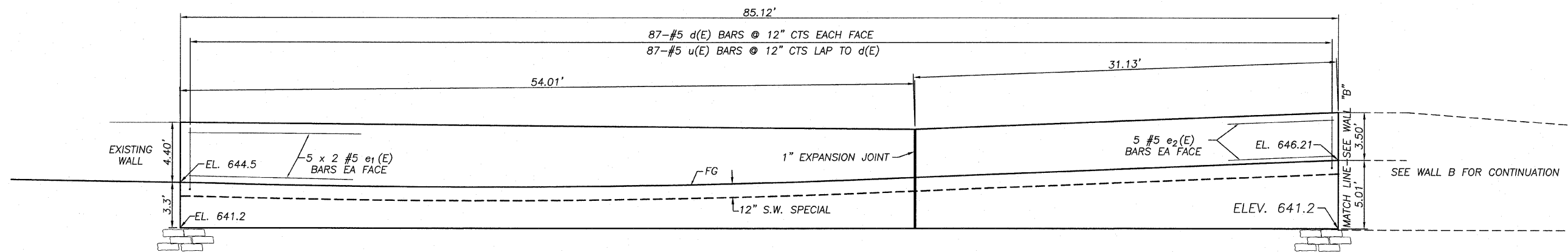
Date: 12/15/2009
Job: 2090299

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R. B. L.	*	LEE	21	10
F.M.A.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

* Section 09-P4000-01-BT Contract #85504



PLAN-SOUTH WALL "A"



ELEVATION-SOUTH WALL "A"

WALL DETAILS-WALL "A"

THE LOWELL TRAIL, PH. 2
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT



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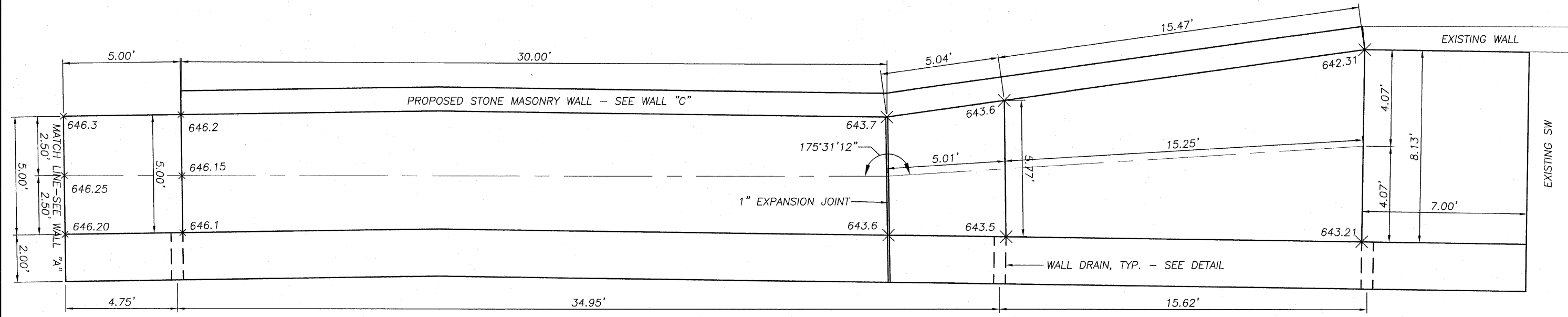
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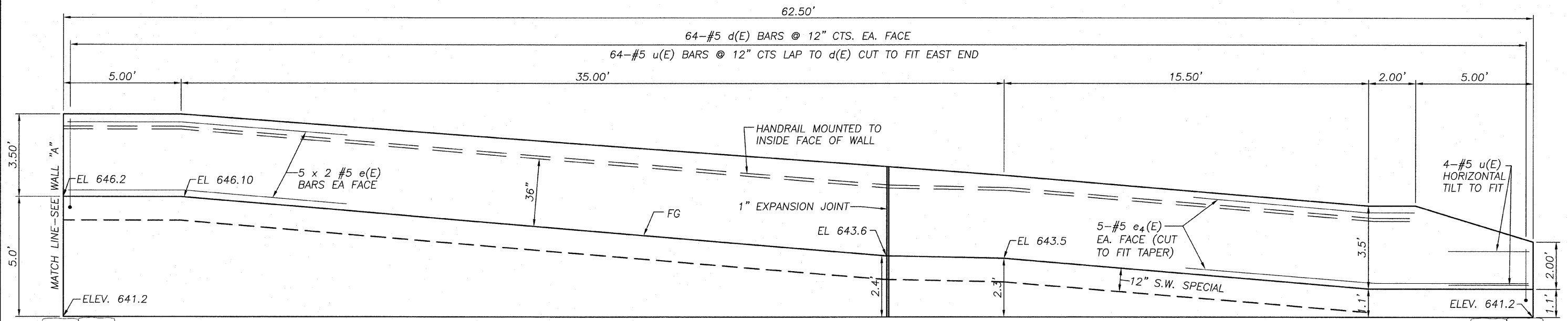
Date:
12/15/2009

Job:
2090299

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	*	LEE	21	11
F.A.M.A.		ILLINOIS FED. AID PROJECT-		
FED. ROAD DIST. NO. 7		* Section 09-P4000-01-BT Contract #85504		



PLAN-SOUTH WALL "B"



ELEVATION-SOUTH WALL "B"

WALL DETAILS-WALL "B"

THE LOWELL TRAIL, PH. 2
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT

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Date: 12/15/2009
Job: 2090299

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STRUCTURAL NOTES

REQUIRED BEARING CAPACITIES ARE AS FOLLOWS:

WALL FOOTINGS ON NATIVE SOIL: 3,000 PSF
 WALL FOOTINGS ON COMPACTED BACKFILL: 3,000 PSF

ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY THE PARK DISTRICTS' GEOTECHNICAL TESTING FIRM. ALL BEARING VALUES AND FOUNDATION ELEVATIONS ARE TO BE SUBMITTED TO THE ENGINEER FOR THE RECORD.

SOILS UNDER ALL BEARING AREAS ON FOOTINGS SHALL BE COMPACTED TO THE MINIMUM 95% PER ASTM D-1551 AT OPTIMUM MOISTURE CONTENT.

NO VEHICULAR CONSTRUCTION EQUIPMENT SHALL BE PERMITTED WITHIN A DISTANCE EQUAL TO THE EXPOSED HEIGHT FROM THE BACK FACE OF ALL RETAINING WALLS DURING OR AFTER BACKFILLING.

A DEPOSIT OF GRAVEL OR BROKEN STONE SHALL BE PLACED BEHIND WALL DRAIN HOLES WRAPPED IN A DOUBLE LAYER OF GEOTECHNICAL FABRIC.

ALL CAST-IN-PLACE CONCRETE SHALL OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 psi IN 28 DAYS FOR FOOTINGS, SLABS AND WALLS. ALL EXPOSED CONCRETE SHALL BE AIR ENTRAINED 5% TO 7% BY VOLUME.

ALL CAST-IN-PLACE CONCRETE SHALL OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3500 psi IN 28 DAYS FOR SIDEWALK, AND PAVEMENTS. ALL EXPOSED CONCRETE SHALL BE AIR ENTRAINED 5% TO 7% BY VOLUME.

REINFORCING STEEL SHALL CONFORM TO ASTM A706, GRADE 60.

ALL EXPOSED SURFACES OF CONCRETE ABOVE GRADE SHALL HAVE A RUBBED FINISH IN ACCORDANCE WITH ARTICLE 503.15 OF THE IDOT STANDARD SPECIFICATION. ALL OTHER EXPOSED AREAS SHALL RECEIVE A NORMAL FINISH PER ARTICLE 503.15.

UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING MINIMUM CLEAR CONCRETE COVER FOR REINFORCING BARS.

CONCRETE EXPOSED TO EARTH OR WEATHER IN CONTACT WITH SOIL OR WATER:

FOOTING BOTTOMS 3"
 FORMED SURFACES 2"

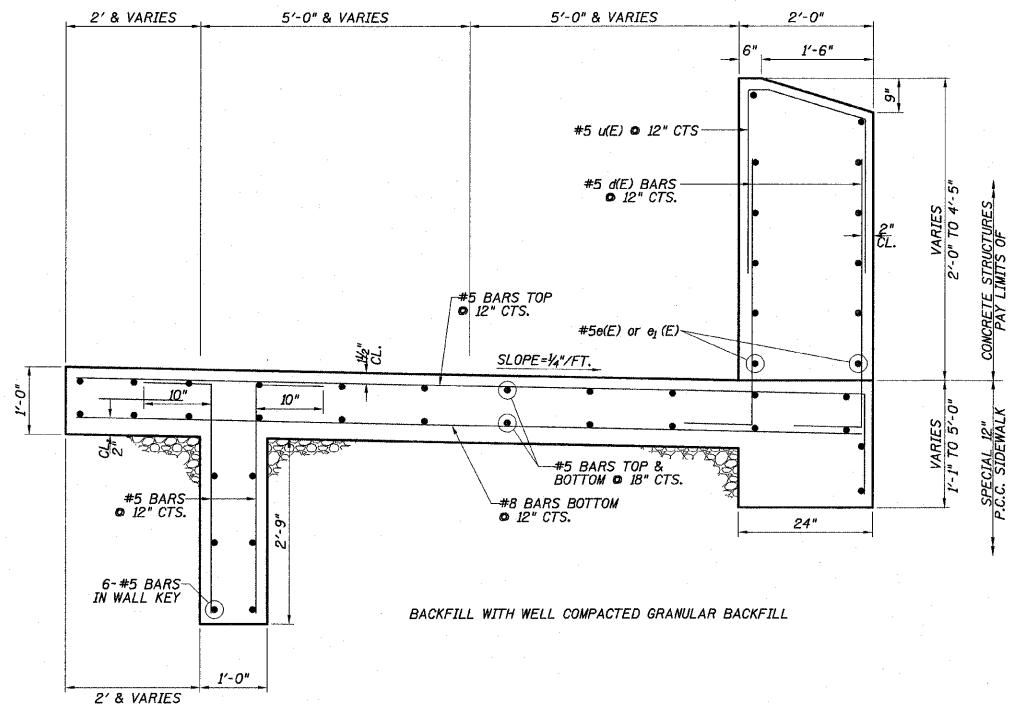
ALL EXPOSED CONCRETE SHALL INCLUDE A 3/4" CHAMFER ON ALL EXPOSED EDGES UNLESS OTHERWISE SHOWN ON THE PLAN.

FOOTINGS SUPPORTING CURVED WALL SECTIONS MAY BE CONSTRUCTED IN STRAIGHT SECTIONS MAINTAINING THE MINIMUM DIMENSIONS SHOWN. PAYMENT WILL BE MADE FOR PLAN DIMENSIONS.

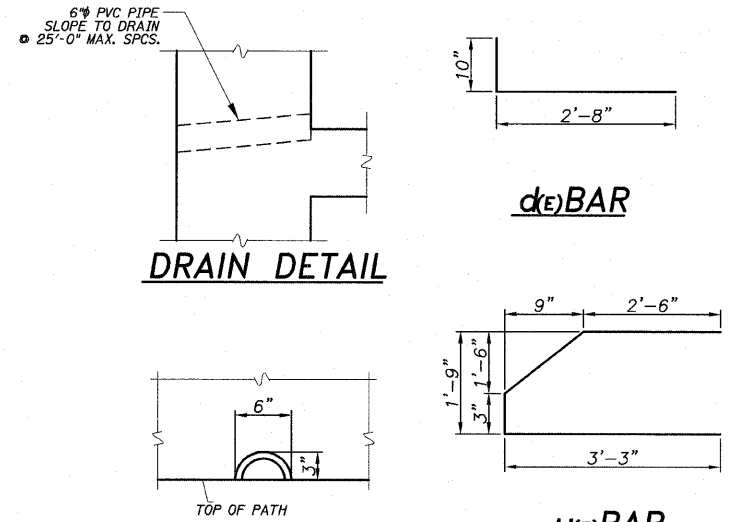
ALL CONSTRUCTION JOINTS IN CONCRETE STRUCTURES SHALL BE BONDED.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	LEE	21	12
F.A.M.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

* Section 09-P4000-01-BT Contract #85504

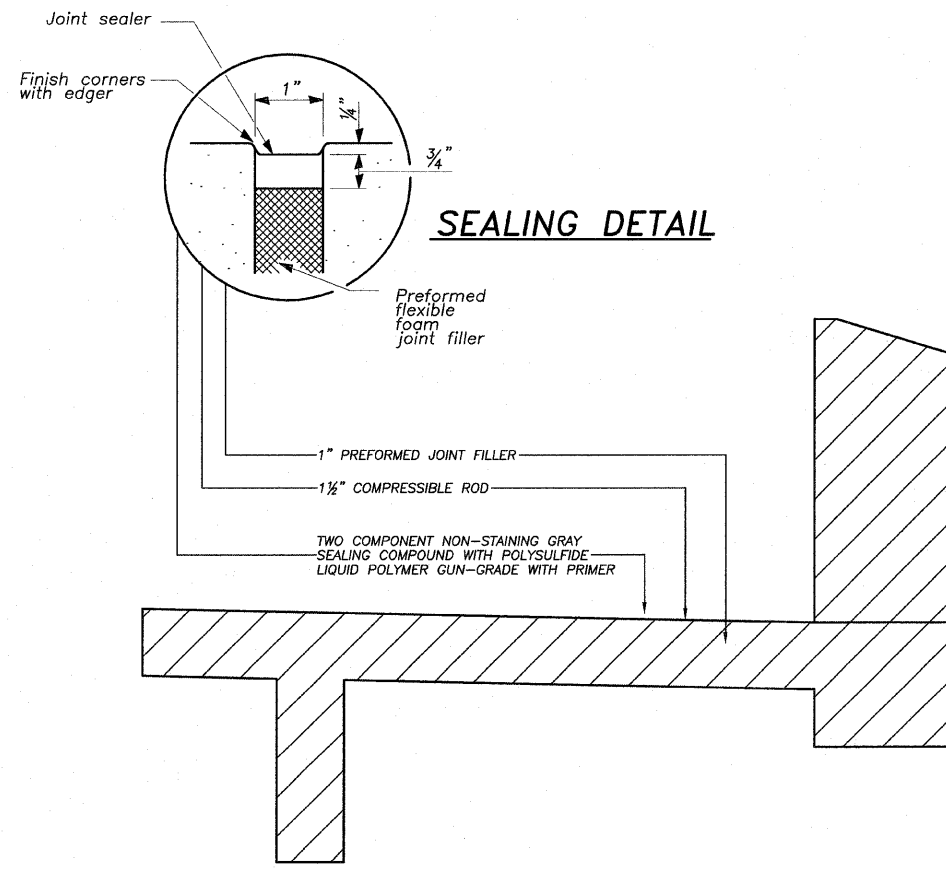


SECTION THRU WALL



DRAIN DETAIL

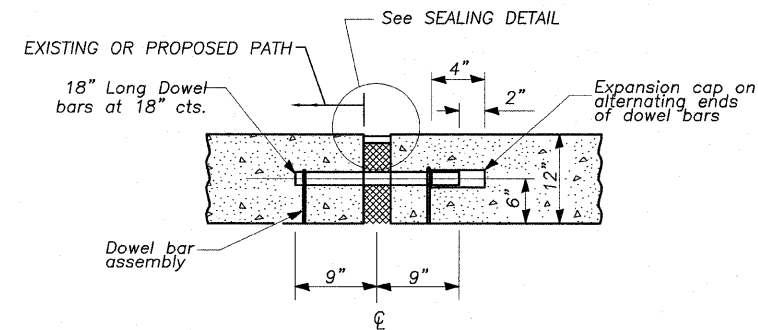
DRAIN ELEVATION



SEALING DETAIL

EXPANSION JOINT

*EXPANSION JOINT INCLUDED WITH PCC SIDEWALK 12" SPECIAL



TRANSVERSE EXPANSION JOINT*

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	298	#5	3'-6"	—
e(E)	20	#5	32'-0"	—
e1(E)	30	#5	28'-3"	—
e2(E)	10	#5	30'-9"	—
e4(E)	10	#5	27'-0"	—
u(E)	153	#5	7'-9"	—
Concrete Structures			Cu. Yds.	35.9
Reinforcement Bars, Epoxy Coated			Lbs.	4220
Portland Cement Sidewalk Special			Sq. Ft.	1625
Pipe Handrail, Special			Foot	115

WENDLER ENGINEERING SERVICES, INC.
 Illinois Professional Design Firm No. 184-000848
 Walls & Foundations for Structural Adequacy



DATE: 12/15/2009
 SCOTT A. BROWN
 DIXON, ILLINOIS
 ILLINOIS LICENSED STRUCTURAL ENGINEER NO. 081-005981
 EXPIRES 11-30-2010

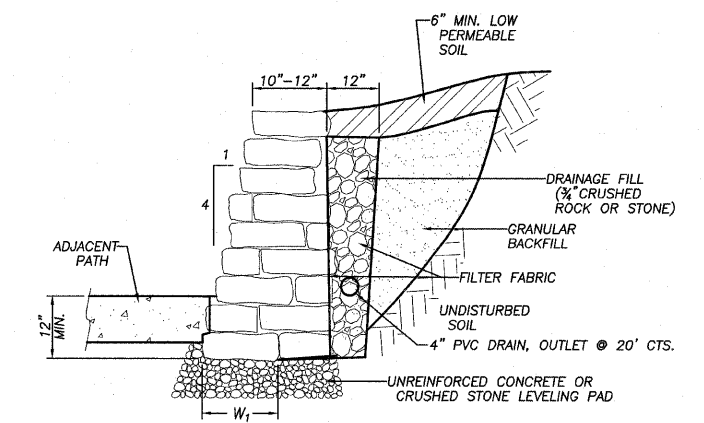
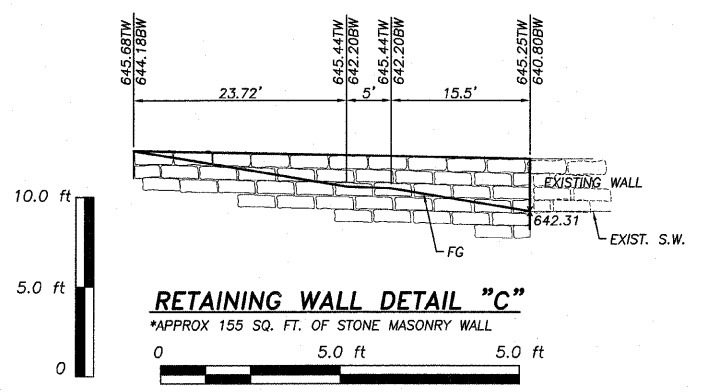
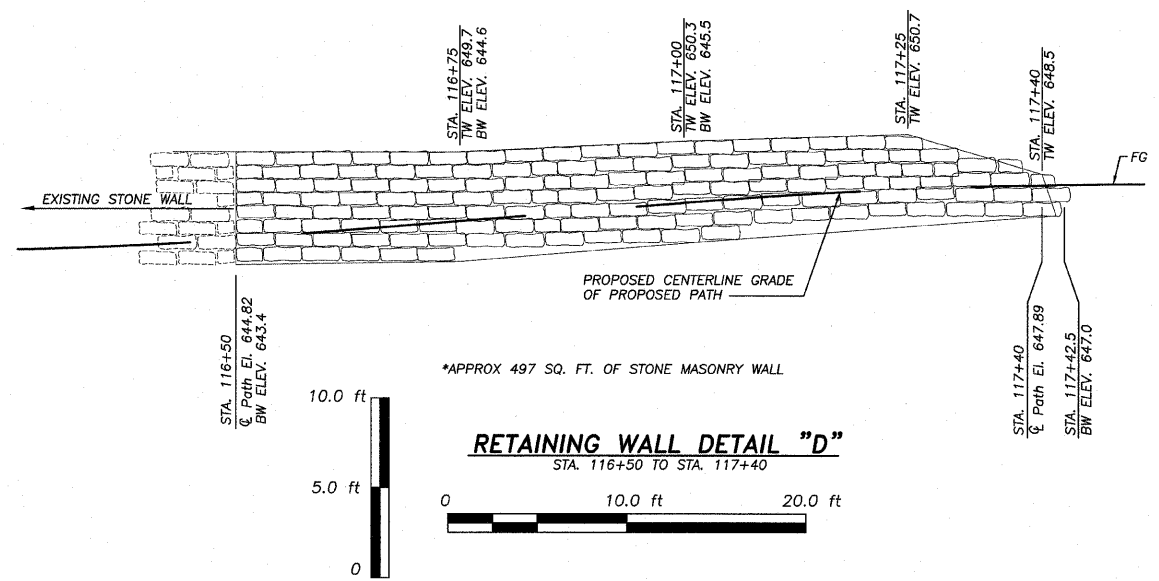
WALL DETAILS

**THE LOWELL TRAIL, PH. 2
 SECTION 09-P4000-01-BT
 DIXON PARK DISTRICT**

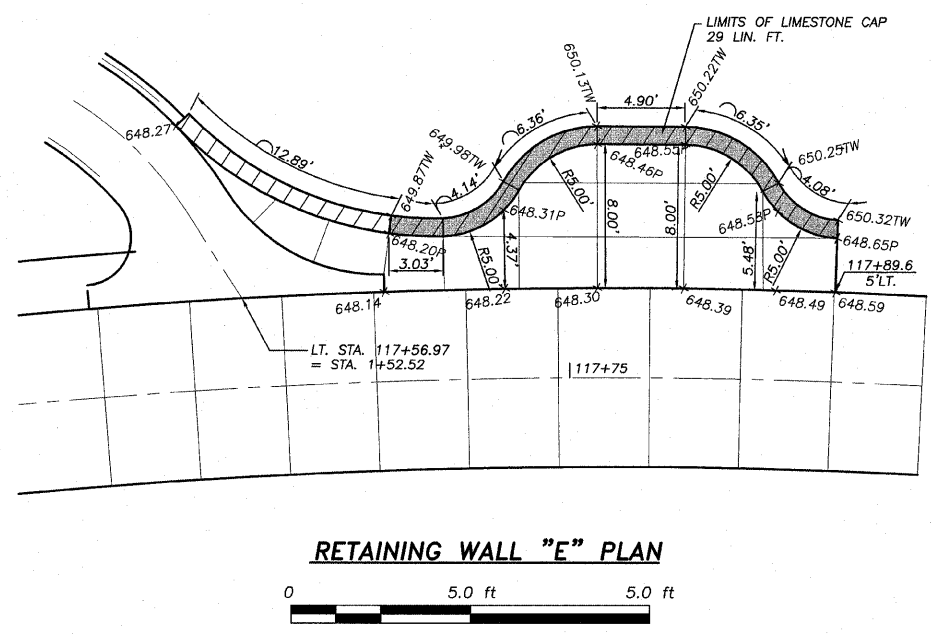
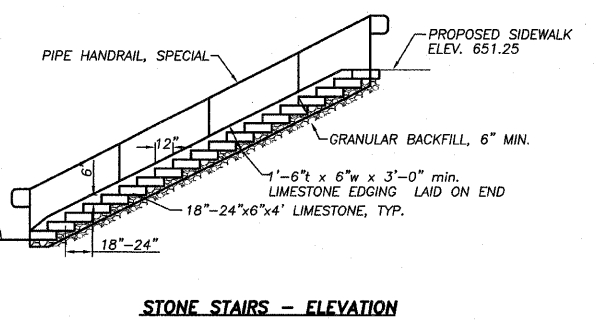
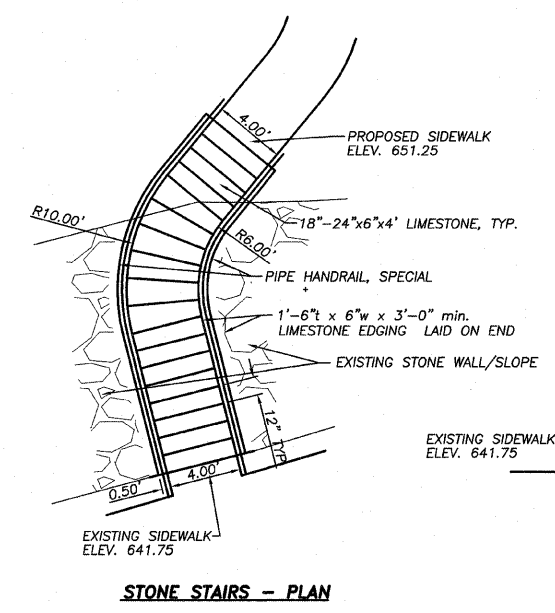
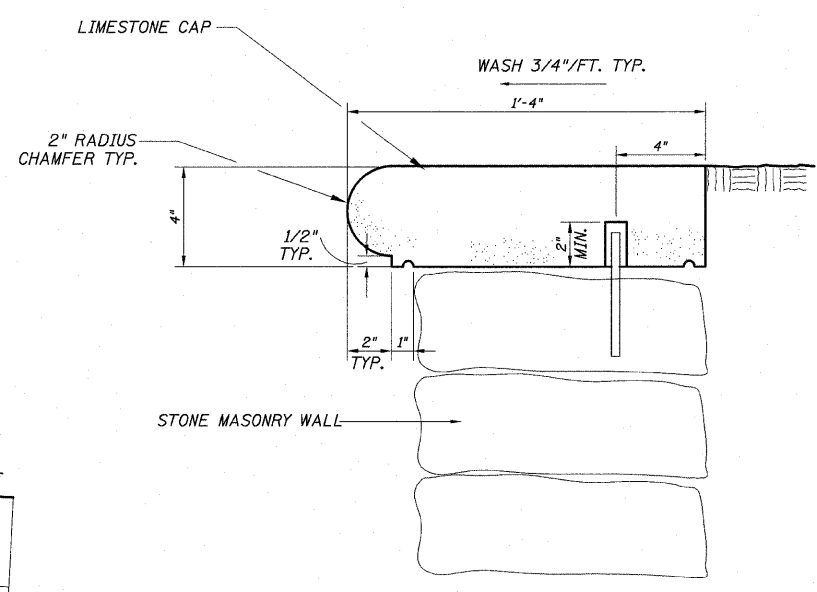
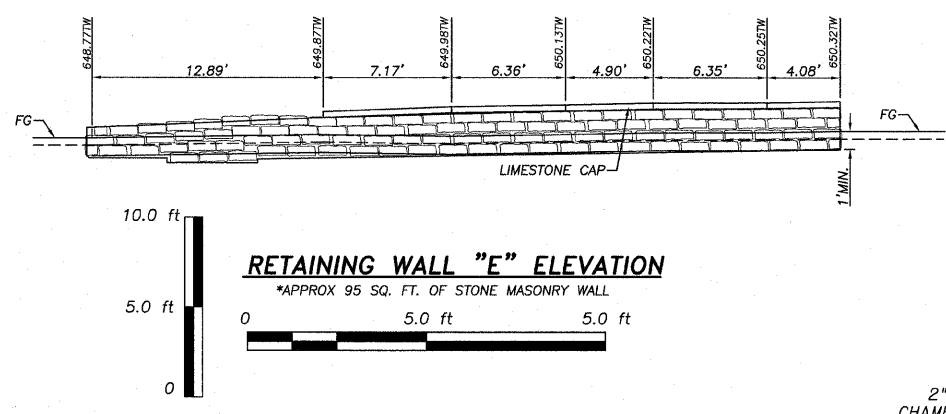


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P. 1.	*	LEE	21	13
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

* Section 09-P4000-01-BT Contract #85504



WALL HEIGHT ABOVE ADJACENT	W ₁
2.0	18"
4.0	30"
5.0	36"



BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Masonry Stone Wall	LIN.FT.	190
Limestone Cap	LIN.FT.	29
Masonry Steps	Sq.Ft.	110

STONE WALL DETAILS-WALLS "C,D,E"

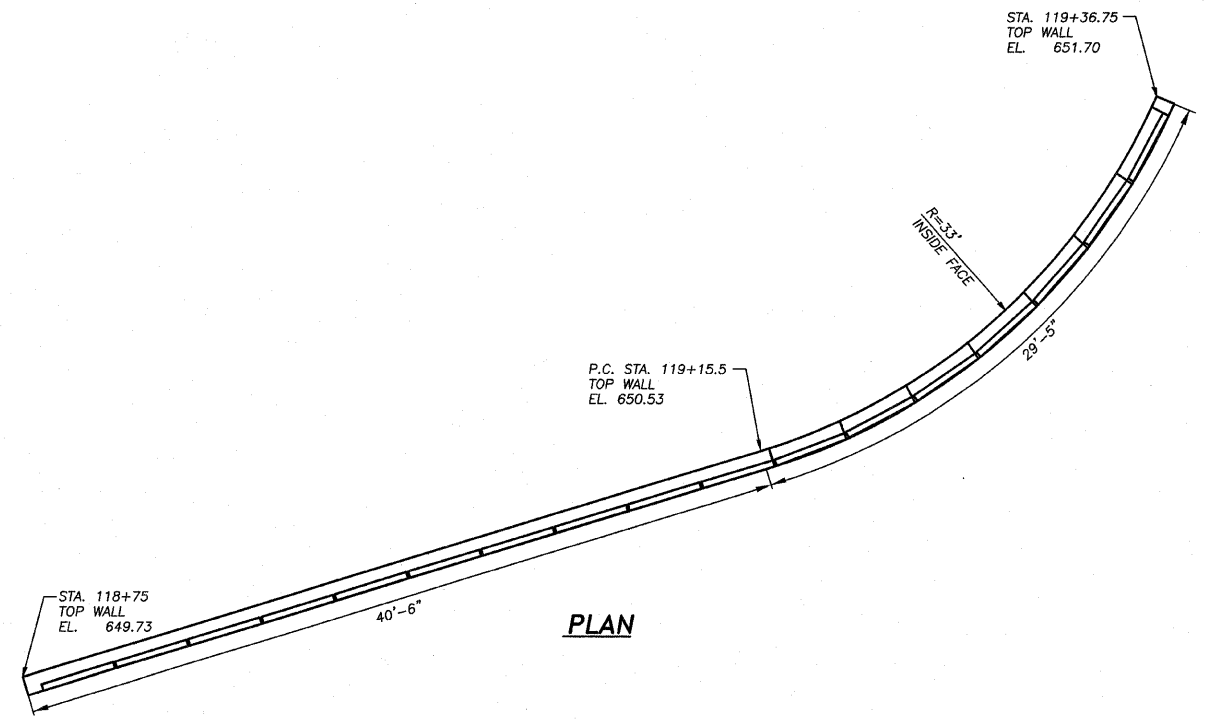
THE LOWELL TRAIL, PH. 2
 SECTION 09-P4000-01-BT
 DIXON PARK DISTRICT



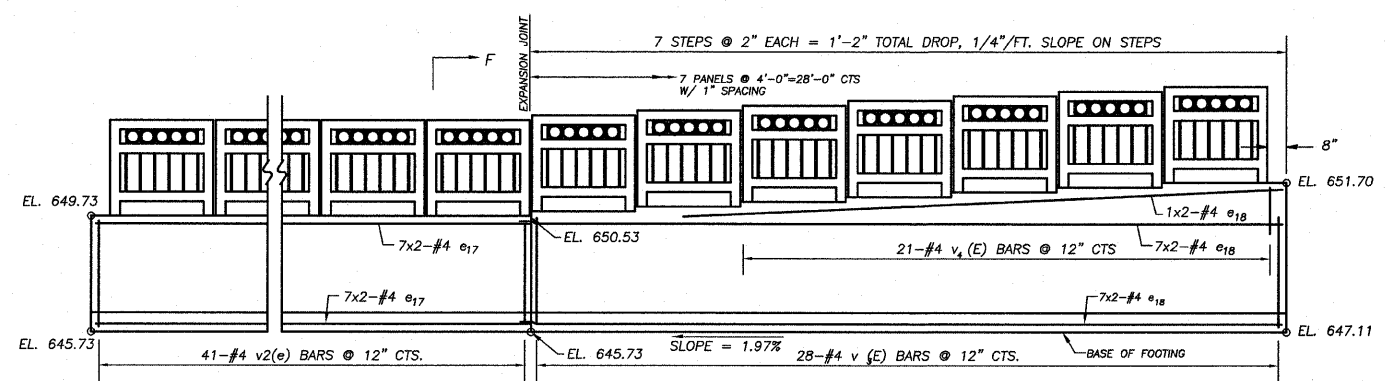
Date: 12/15/2009
 Job: 2090299

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B. B. I.	*	LEE	21	14
F.A.M.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

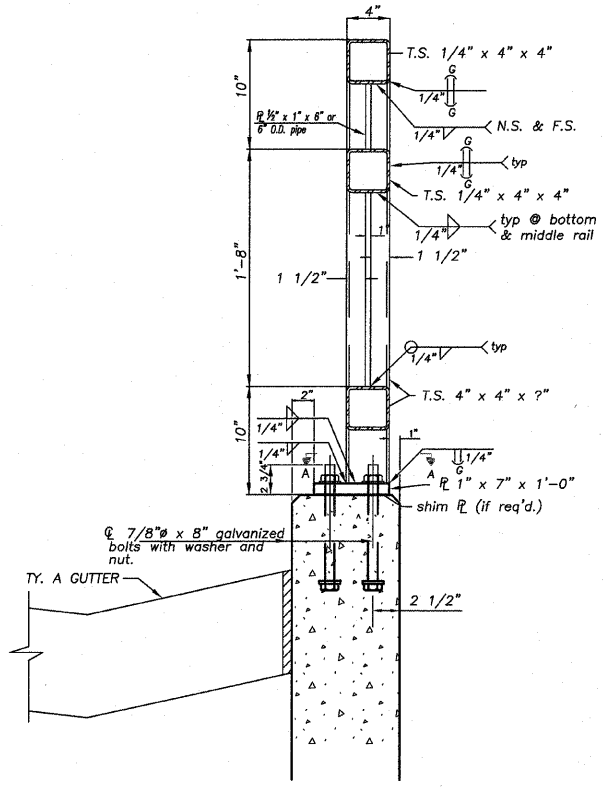
* Section 09-P4000-01-BT Contract #85504



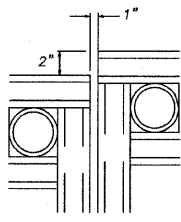
PLAN



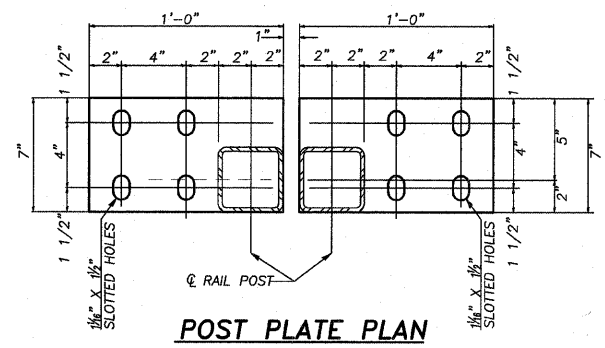
ELEVATION (LOOKING NORTH)



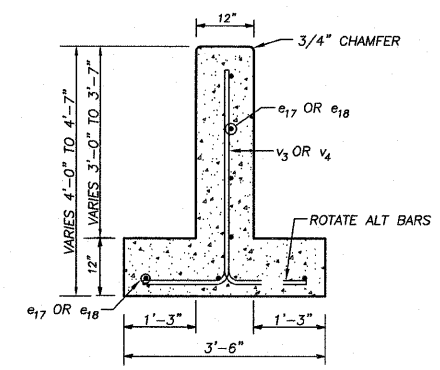
SECTION THRU RAILING



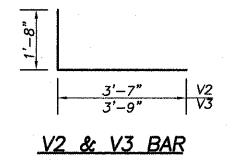
DETAIL A



POST PLATE PLAN



SECTION F-F



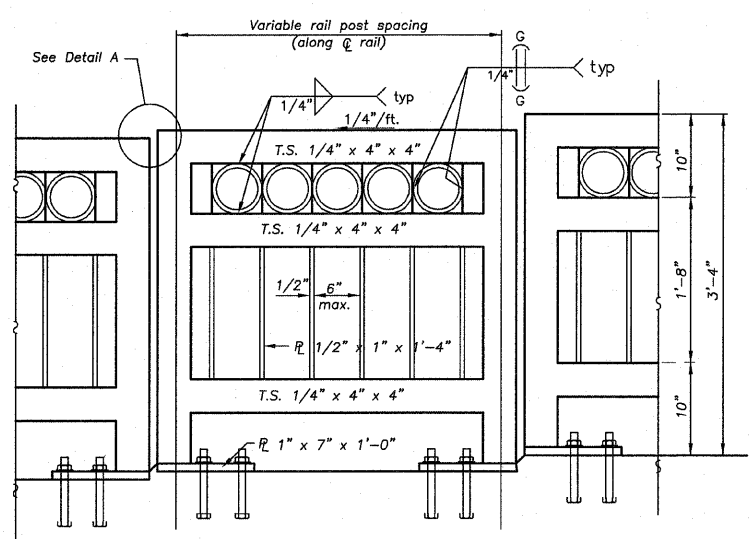
V2 & V3 BAR

RAILING AND HANDRAIL NOTES

- RAILING SHALL BE ACCORDING TO SECTION 509 OF THE STANDARD SPECIFICATIONS, EXCEPT AS NOTED, AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR DECORATIVE STEEL RAILING.
- HOLLOW STRUCTURAL STEEL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION A 500, GRADE B, STRUCTURAL STEEL TUBING.
- ALL OTHER STEEL SHAPES AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M270 GRADE 36.
- RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE A MINIMUM OF 3 POSTS UNLESS SECTION LENGTH IS LESS THAN 8 FEET.
- POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.
- GALVANIZED STEEL POST SHIMS MAY BE USED UNDER POSTS WHERE REQUIRED FOR ALIGNMENT.
- DECORATIVE STEEL RAILING ANCHOR BOLTS SHALL BE 5/8" DIAMETER SUPPLIED WITH HEXAGONAL NUTS AND CUT WASHERS, MINIMUM EMBEDMENT LENGTH IN SOUND CONCRETE OF 6". THE CONTRACTOR SHALL INSTALL THESE ANCHOR BOLTS IN PRE-DRILLED HOLES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.
- THE CAPSULE OR THE ADHESIVE CARTRIDGE TYPE ANCHOR BOLTS SHALL BE A TWO PART SYSTEM COMPOSED OF:
 - A THREADED ROD STUD WITH NUT AND WASHER CONFORMING TO ASTM A325. HOT DIP GALVANIZED PER AASHTO M232.
 - A SEALED GLASS CAPSULE OR A SEALED GLASS ADHESIVE CARTRIDGE CONTAINING PREMEASURED AMOUNTS OF THE ADHESIVE CHEMICAL.
- PRIOR TO SETTING THE BOLTS, THE HOLES SHALL BE DRY AND ALL DUST AND LOOSE PARTICLES SHALL BE REMOVED BY THE USE OF COMPRESSED AIR OR VACUUMING.
- THE CONTRACTOR SHALL REMOVE EXCESSIVE EPOXY FROM EXPOSED SURFACES.
- FOR CLEANING, PAINTING, AND COLOR OF PEDESTRAIN RAIL (SPECIAL), SEE SPECIAL PROVISIONS.
- THE EXPANSION CRITERIA IS 5/8"/100'/80" F.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
e17	14	#4	21'-2"	—
e18	16	#4	15'-6"	—
v2	41	#4	5'-3"	—
v3	28	#4	5'-5"	—
v4	21	#4	2'-3"	—
Concrete Structures			Cu. Yds.	20.1
Reinforcement Bars, Epoxy Coated			Lbs.	640
Decorative Steel Railing			Foot	68



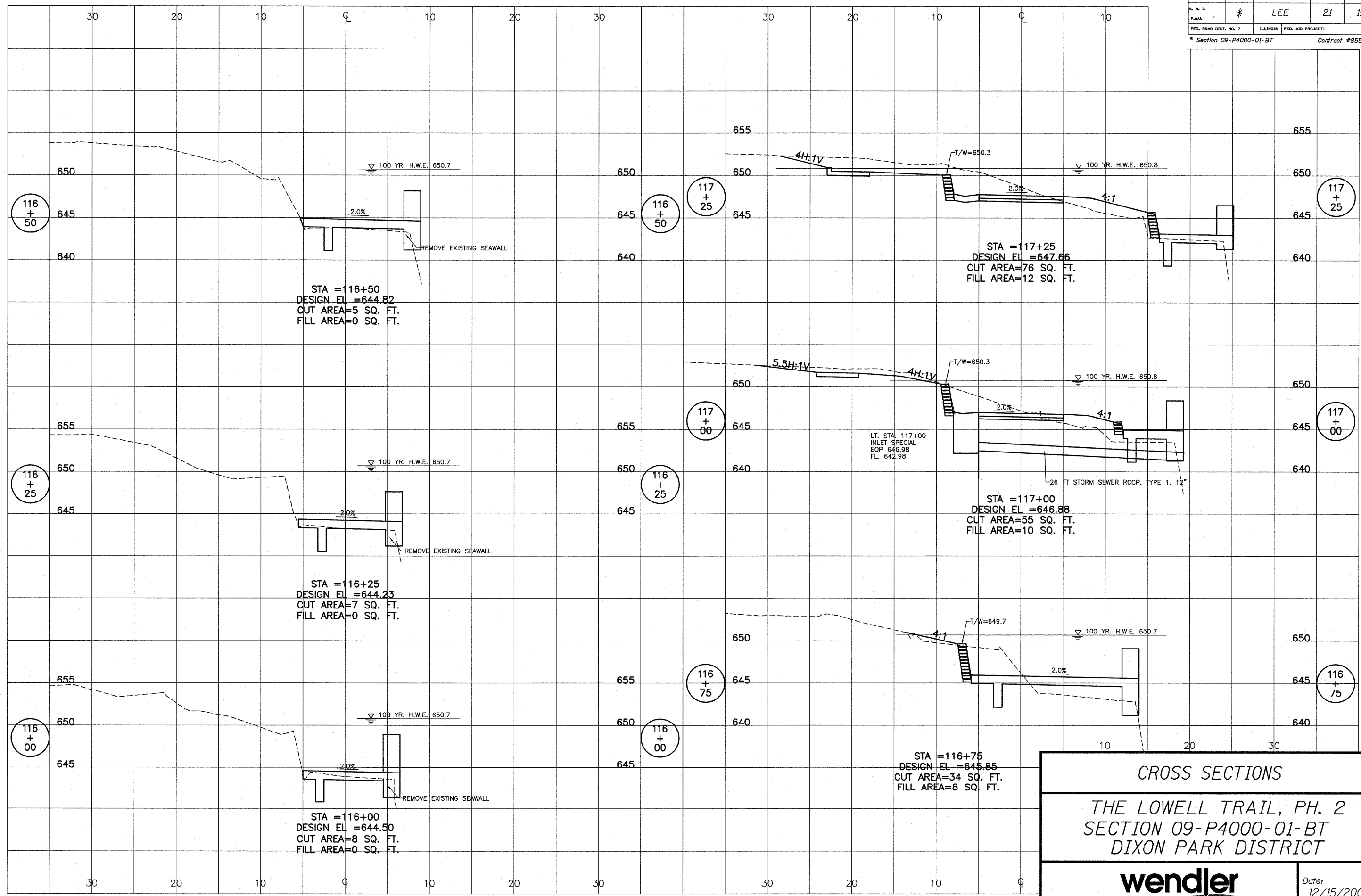
PARTIAL ELEVATION

RAILING & WALL "F" DETAIL
 THE LOWELL TRAIL, PH. 2
 SECTION 09-P4000-01-BT
 DIXON PARK DISTRICT



Date: 12/15/2009
 Job: 2090299

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B. N. 1.	*	LEE	21	15
F.A.M.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
* Section 09-P4000-01-BT			Contract #85504	

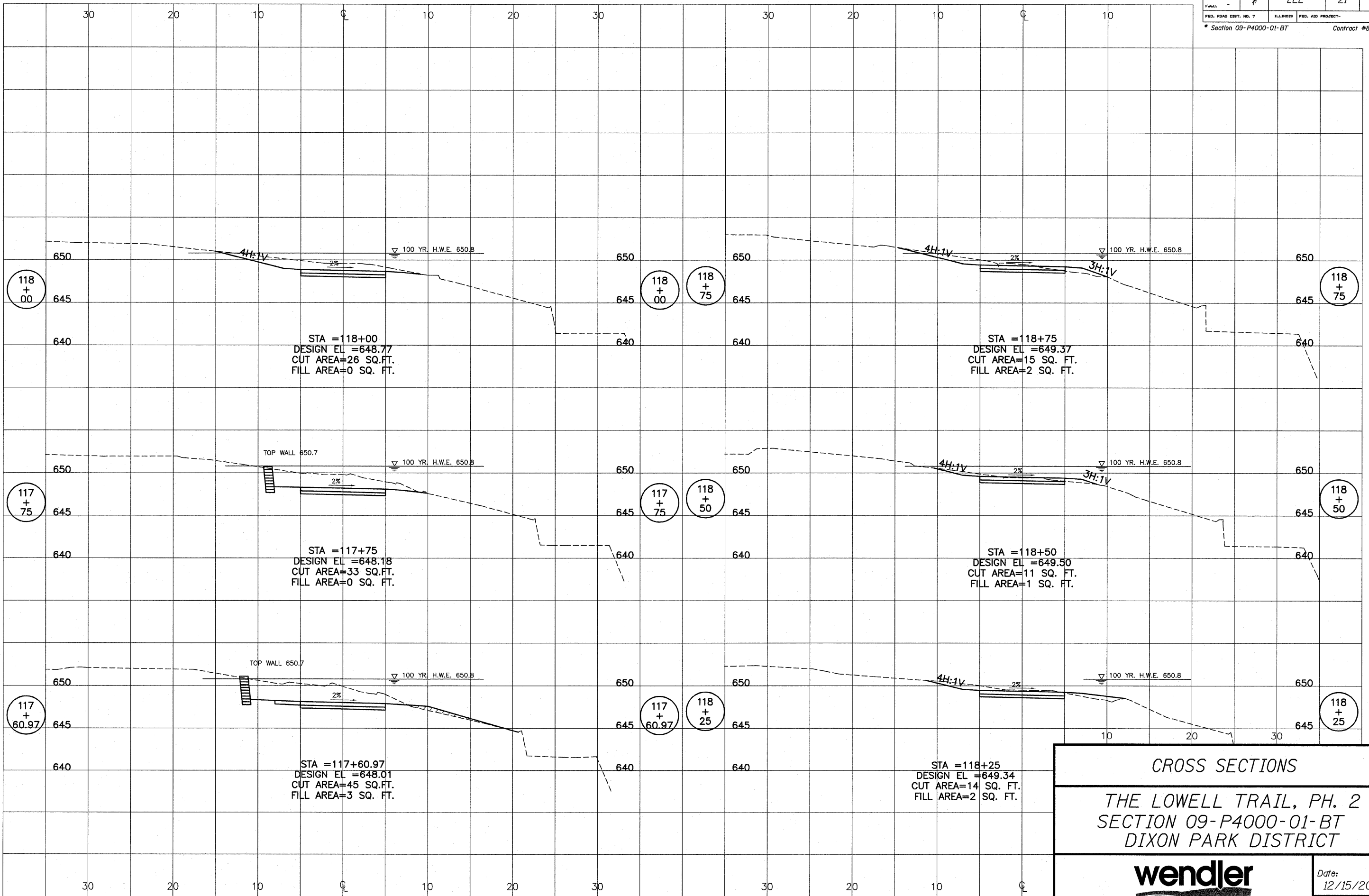


CROSS SECTIONS
THE LOWELL TRAIL, PH. 2
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT

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 engineers surveyors scientists

www.wendlergs.com Date: 12/15/2009 Job: 2090299

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I.	*	LEE	21	16
F.A.A.I.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
Section 09-P4000-01-BT			Contract #85504	



CROSS SECTIONS

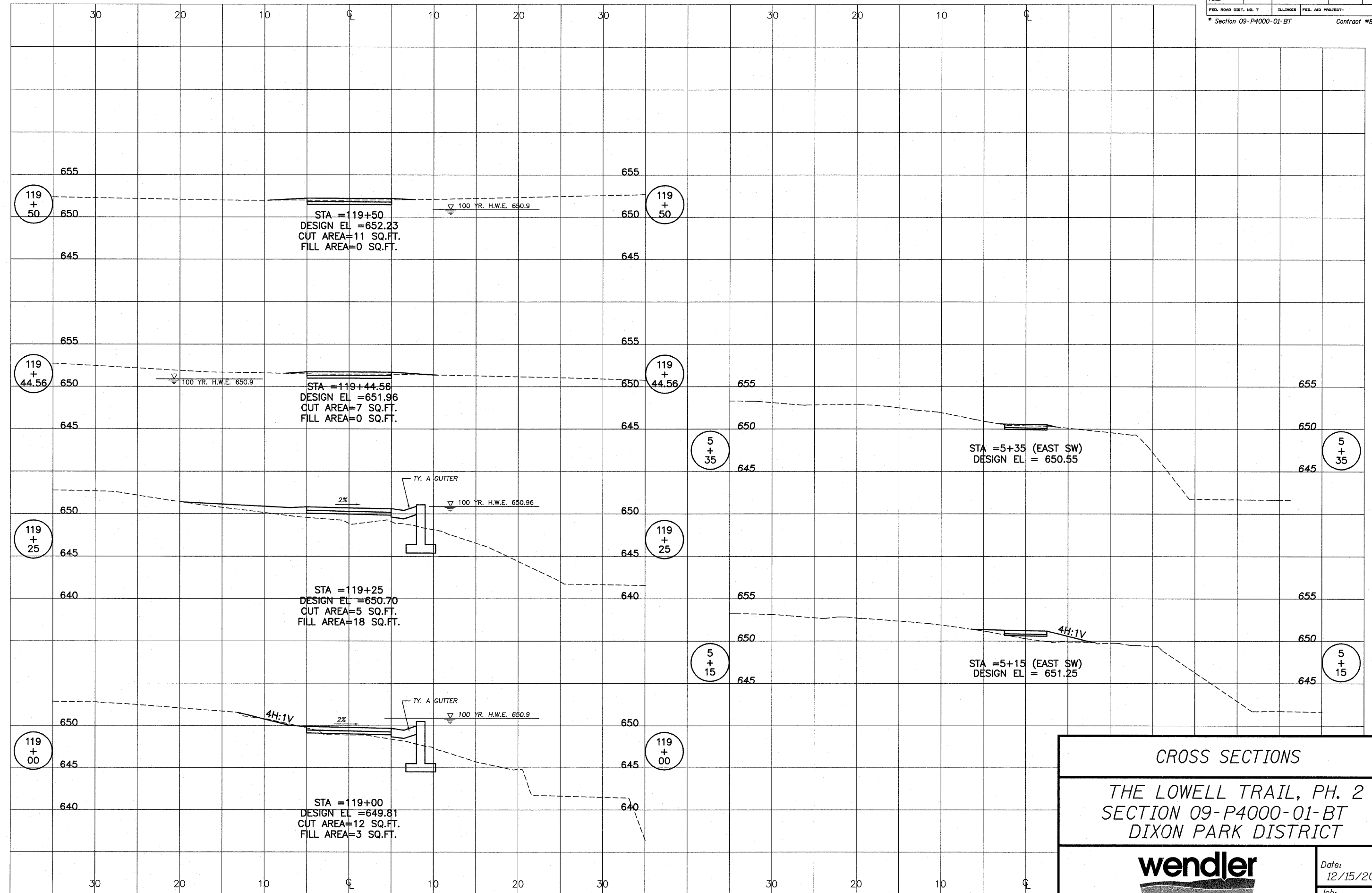
THE LOWELL TRAIL, PH. 2

SECTION 09-P4000-01-BT

DIXON PARK DISTRICT



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
119	5	LEE	21	17
FUND.		ILLINOIS FED. AID PROJECT-		
FED. ROAD DIST. NO. 7		Section 09-P4000-01-BT		
				Contract #85504



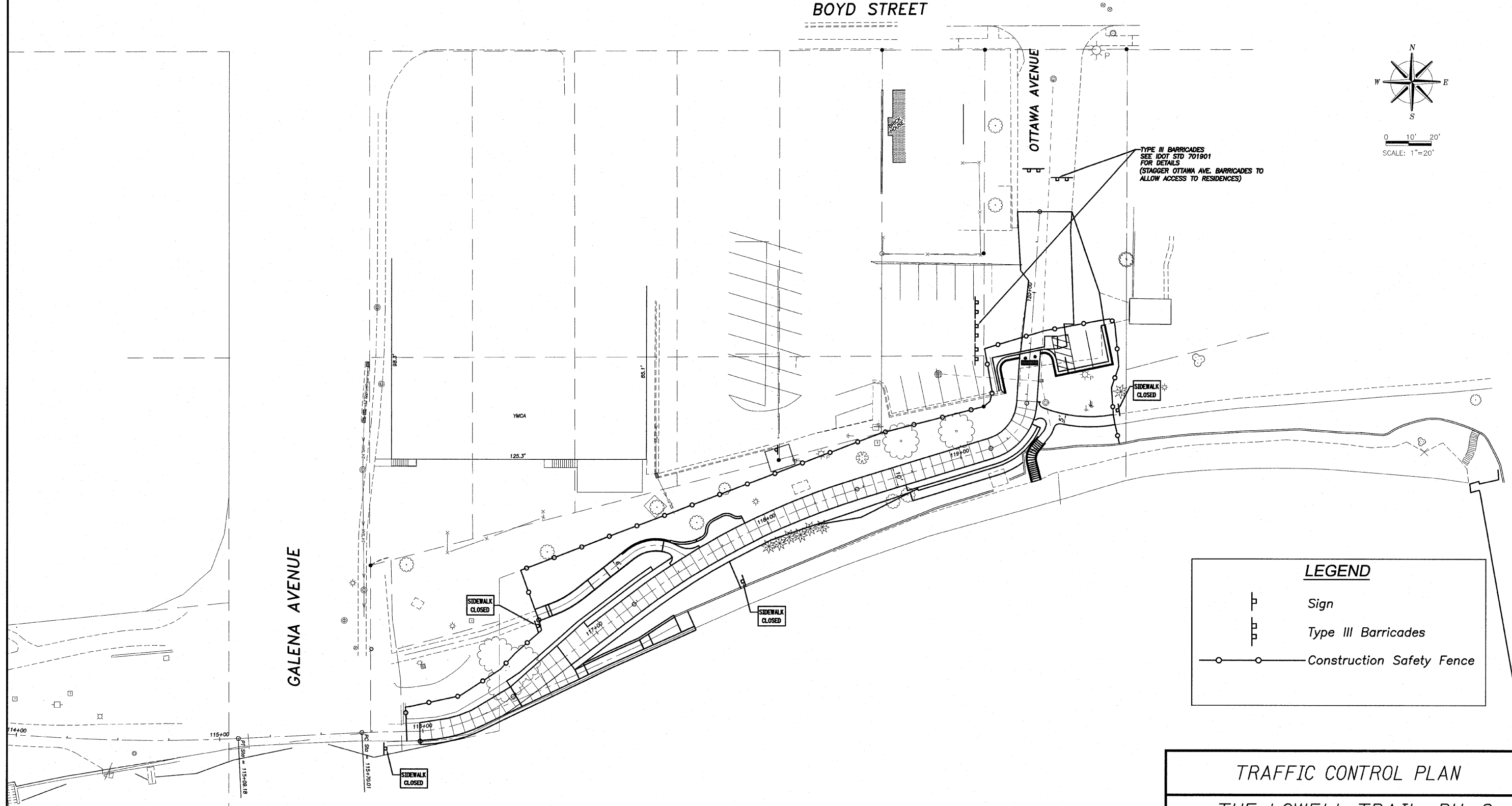
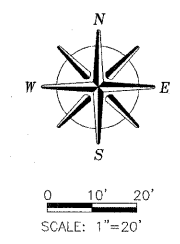
CROSS SECTIONS
 THE LOWELL TRAIL, PH. 2
 SECTION 09-P4000-01-BT
 DIXON PARK DISTRICT






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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R. R. I.	*	LEE	21	18
F.A.A.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

* Section 09-P4000-01-BT Contract #85504




LEGEND

-  Sign
-  Type III Barricades
-  Construction Safety Fence

TRAFFIC CONTROL PLAN

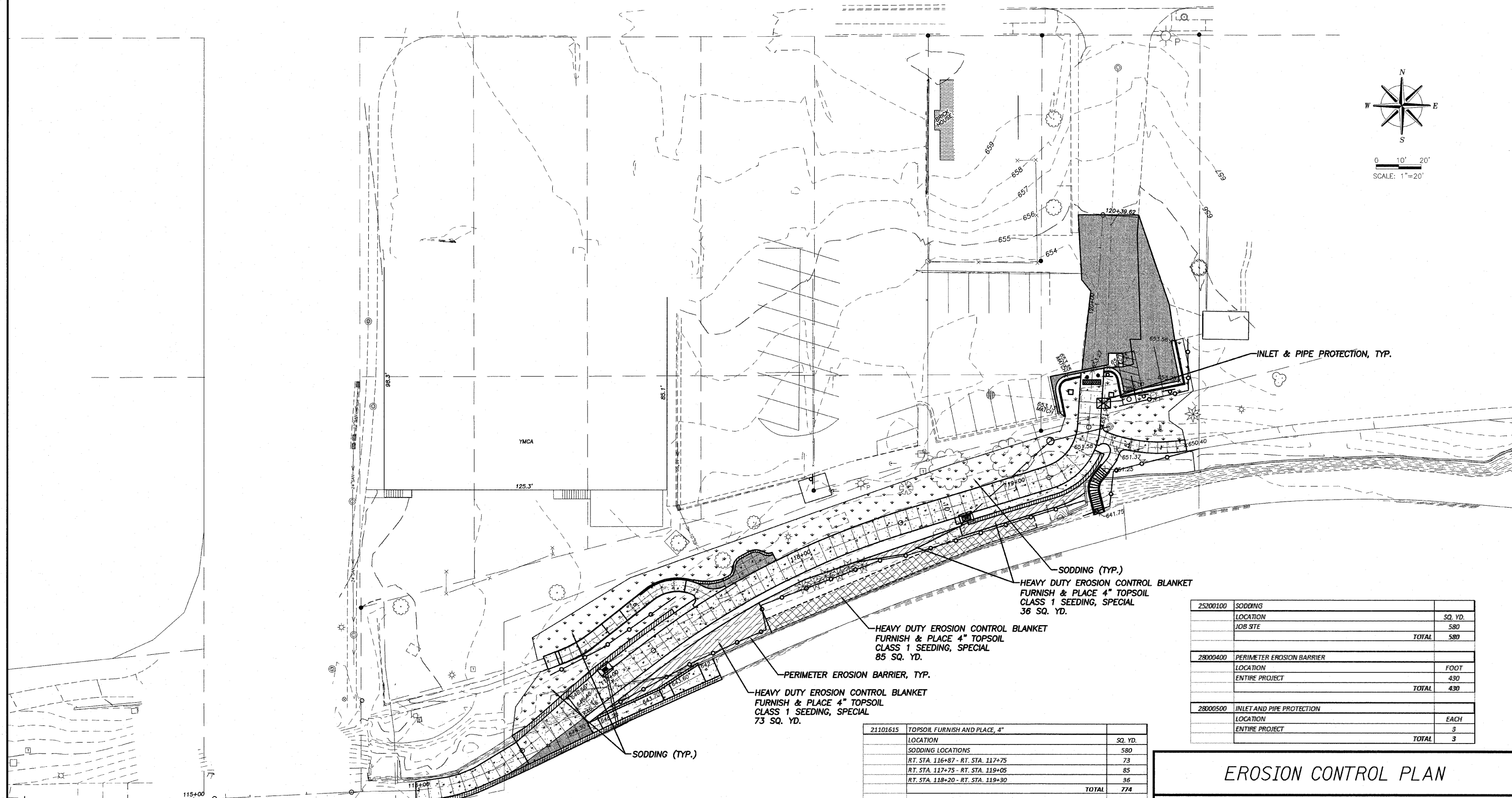
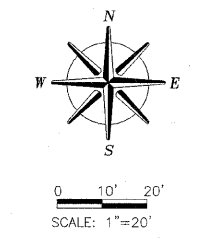
THE LOWELL TRAIL, PH. 2
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT

 wendler <small>GROUND BREAKING SOLUTIONS engineers · surveyors · scientists</small>	Date: 12/15/2009
	Job: 2090299

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	*	LEE	21	19
F.A.M.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

* Section 09-P4000-01-BT Contract #85504



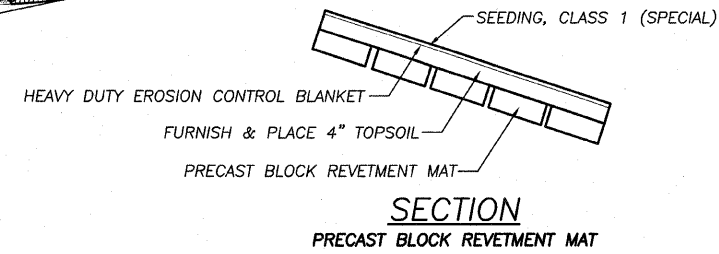
25200100	SODDING		
	LOCATION		SQ. YD.
	JOB SITE		580
		TOTAL	580
28000400	PERIMETER EROSION BARRIER		
	LOCATION		FOOT
	ENTIRE PROJECT		430
		TOTAL	430
28000500	INLET AND PIPE PROTECTION		
	LOCATION		EACH
	ENTIRE PROJECT		3
		TOTAL	3

21101615	TOPSOIL FURNISH AND PLACE, 4"		
	LOCATION		SQ. YD.
	SODDING LOCATIONS		580
	RT. STA. 116+87 - RT. STA. 117+75		73
	RT. STA. 117+75 - RT. STA. 119+05		85
	RT. STA. 118+20 - RT. STA. 119+30		36
		TOTAL	774
25000900	SEEDING, CLASS 1 (SPECIAL)		
	LOCATION		ACRE
	RT. STA. 116+87 - RT. STA. 117+75		0.02
	RT. STA. 117+75 - RT. STA. 119+05		0.02
	RT. STA. 118+20 - RT. STA. 119+30		0.007
		TOTAL	0.047
25100635	HEAVY DUTY EROSION CONTROL BLANKET		
	LOCATION		SQ. YD.
	RT. STA. 116+87 - RT. STA. 117+75		73
	RT. STA. 117+75 - RT. STA. 119+05		85
	RT. STA. 118+20 - RT. STA. 119+30		36
		TOTAL	194

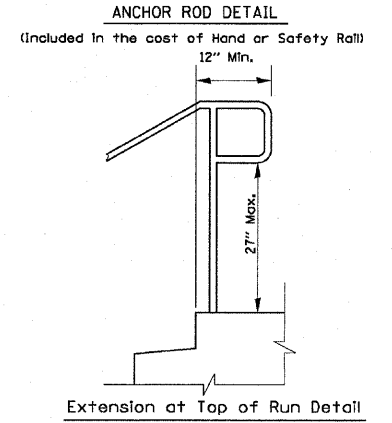
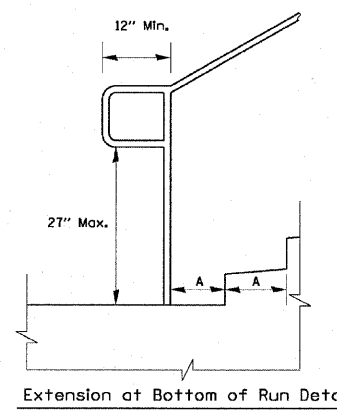
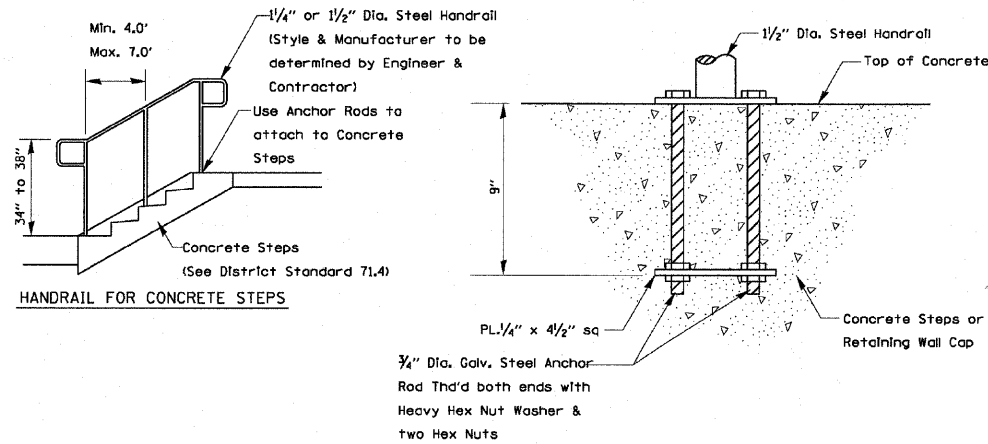
EROSION CONTROL PLAN
THE LOWELL TRAIL, PH. 2
SECTION 09-P4000-01-BT
DIXON PARK DISTRICT



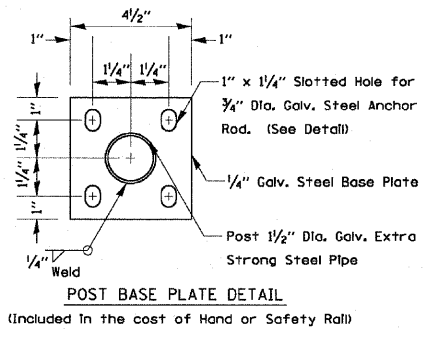
Date: 12/15/2009
 Job: 2090299



PIPE HANDRAILS FOR STEPS

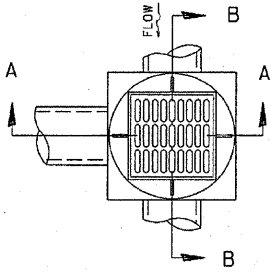
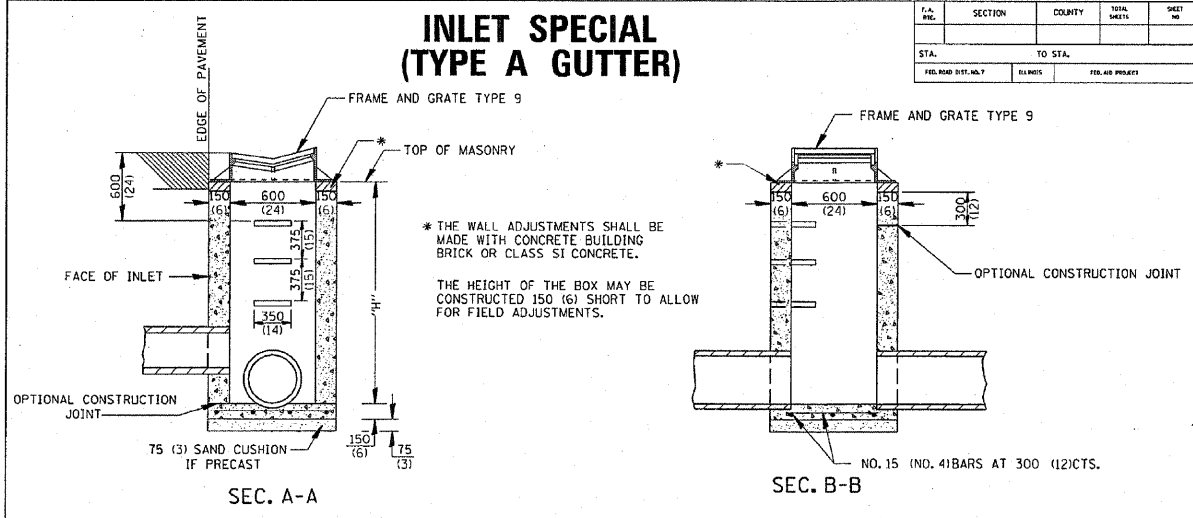


Notes:
 Stairways shall have continuous handrails both sides of all stairs.
 The inside handrail on switchback or dogleg stairs shall always be continuous.
 Gripping surfaces shall be uninterrupted by newel posts, other construction elements, or obstructions.
 Ends of handrail shall be either rounded or returned smoothly to floor, wall, or post.
 Hand & safety rails shall not rotate within their fittings.
 The clear space between handrails and any wall shall be 1/2\"/>



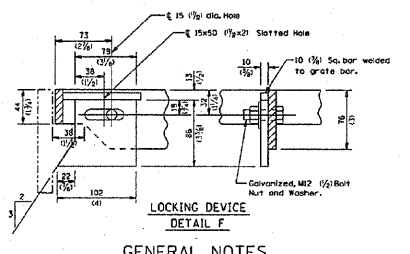
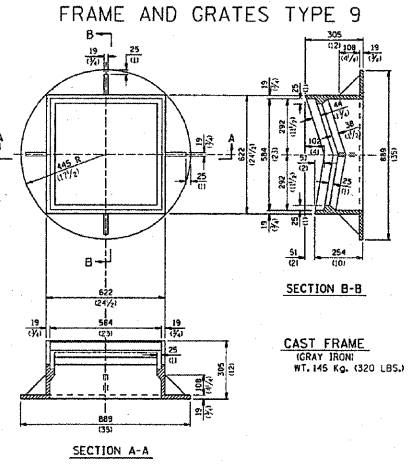
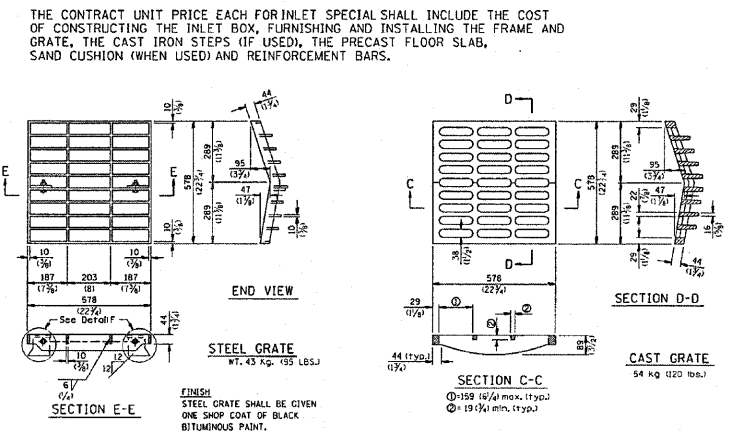
REVISED - 10-10-06	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -						
REVISED -		SCALE: 1/8\"/>				
REVISED -		CONTRACT NO.				

INLET SPECIAL (TYPE A GUTTER)



DETAIL OF FRAME & GRATE

NOTES:
 SEE STANDARD 602701 FOR DETAILS OF STEPS.
 EXCEPT AS NOTED HEREON INLET SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.
 THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.
 ALL VOIDS AROUND PIPE ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED WITH MORTAR.
 WEIGHT OF CAST IRON FRAME & GRATE = 200kg (440 LBS.)
 STEPS SHALL BE OMITTED WHEN DEPTH OF "H" IS LESS THAN 1524 (60)."/>



GENERAL NOTES:
 THE MATERIAL FOR STEEL GRATE SHALL CONFORM TO ARTICLE 1006.04 OF THE STANDARD SPECIFICATIONS.
 THE USE OF EITHER A CAST GRATE OR A STEEL GRATE WITH THE CAST FRAME SHALL BE THE OPTION OF THE CONTRACTOR.
 THE CAST GRATE MAY BE MADE OF EITHER GRAY IRON OR DUCTILE IRON CONFORMING TO THE STANDARD SPECIFICATIONS. DUCTILE IRON CASTING SHALL BE GRADE 65-45-12.
 ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5. B. 1.	*	LEE	21	20
F.A.A.L.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

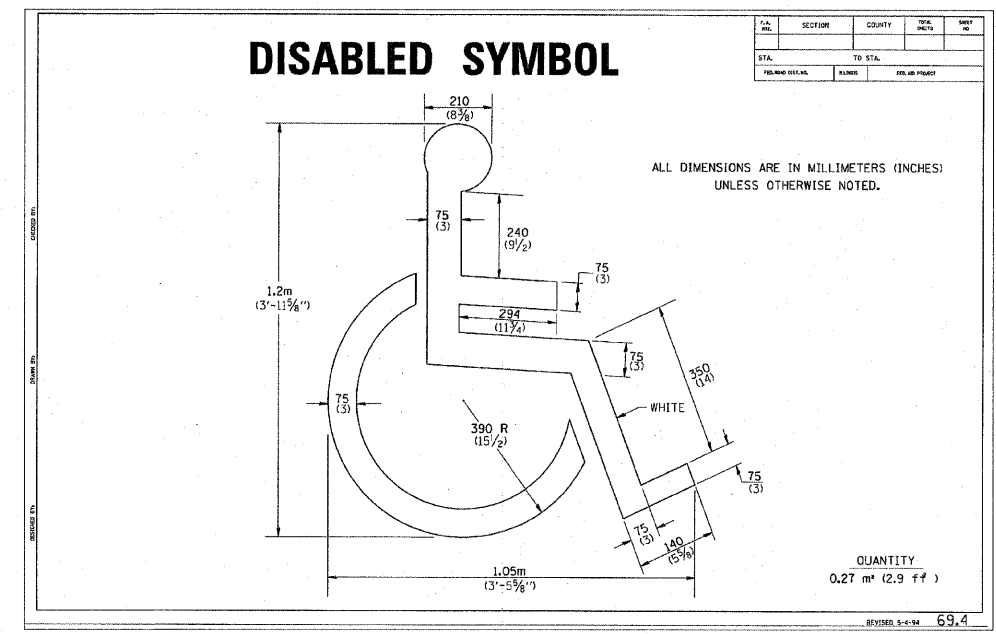
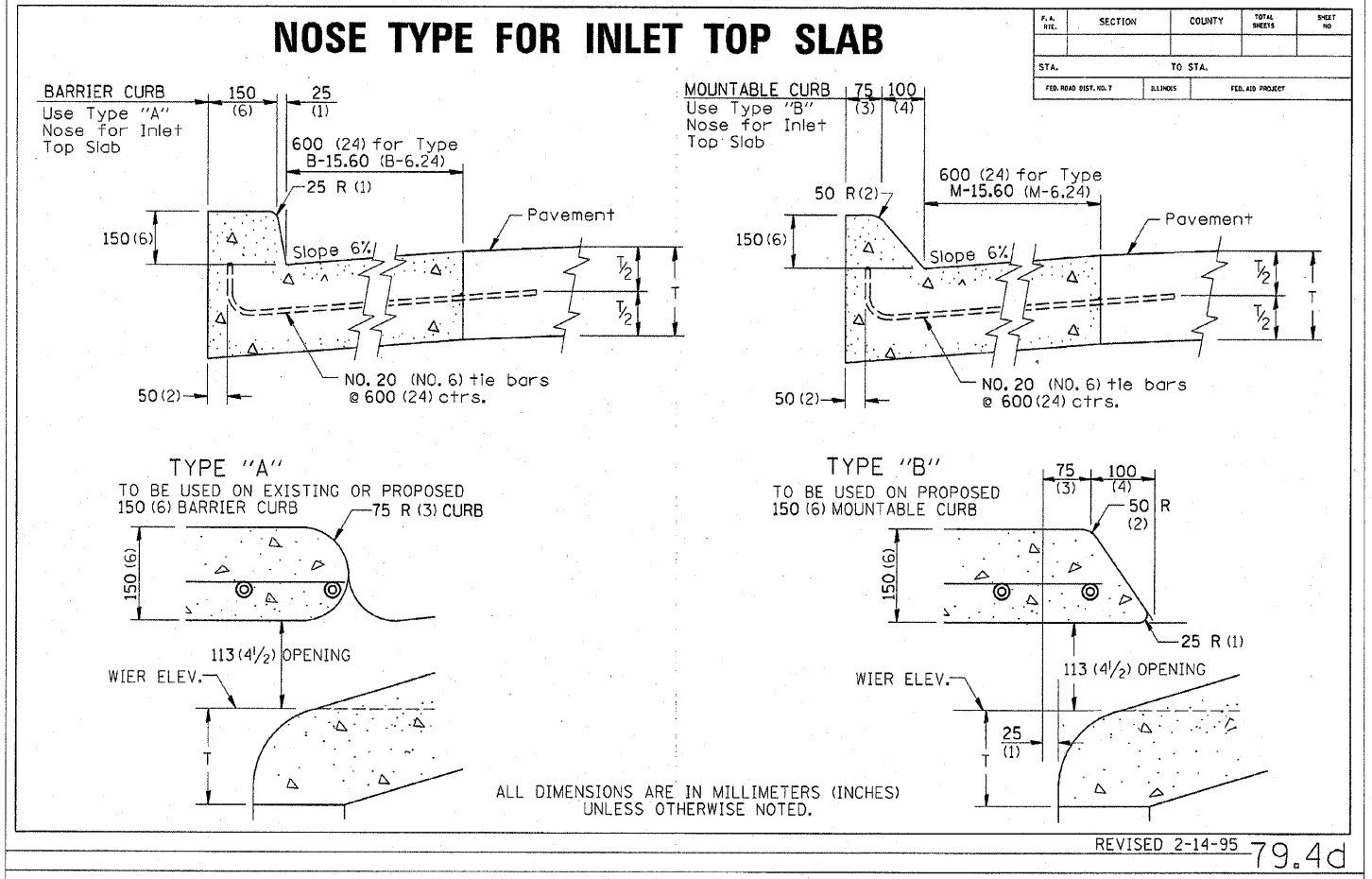
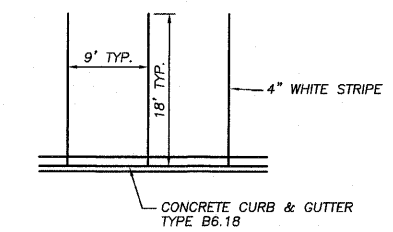
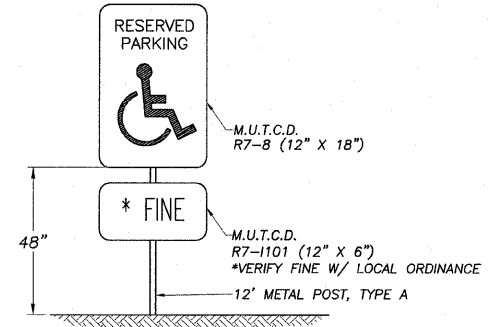
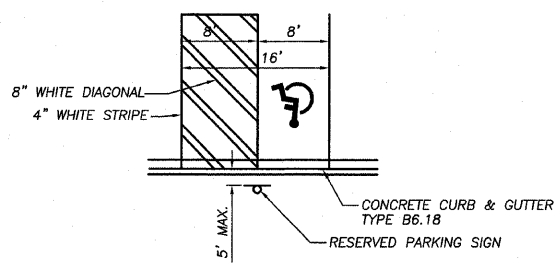
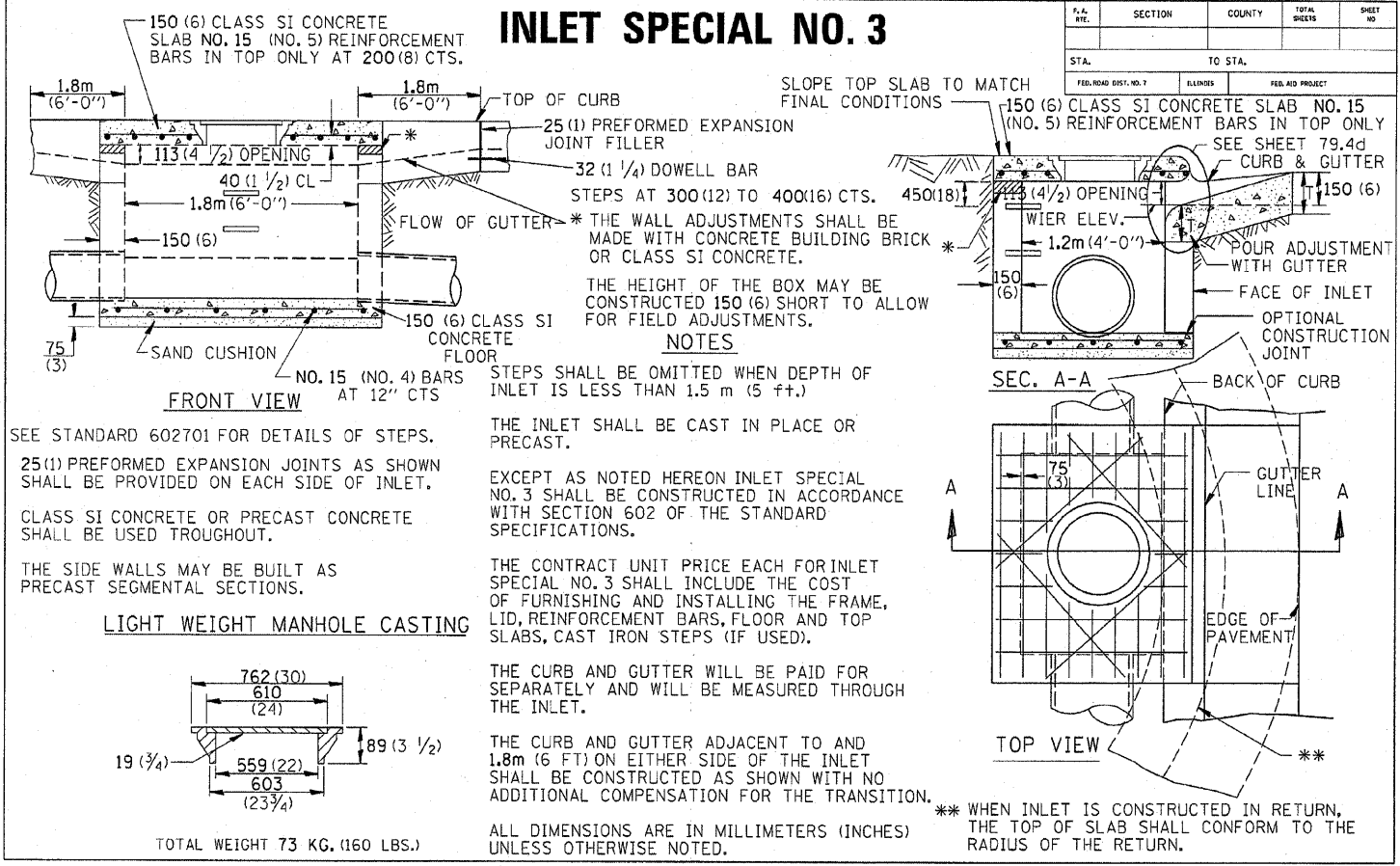
Section 09-P4000-01-BT Contract #85504

DETAILS

THE LOWELL TRAIL, PH. 2
 SECTION 09-P4000-01-BT
 DIXON PARK DISTRICT



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9	1	LEE	21	21
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT-				
* Section 09-P4000-01-BT Contract #85504				



DETAILS

**THE LOWELL TRAIL, PH. 2
 SECTION 09-P4000-01-BT
 DIXON PARK DISTRICT**

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 engineers - surveyors - scientists

Date: 11/20/2009
 Job: 2090299

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