

INDEX OF SHEETS

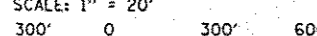
- 1 COVER SHEET
- 2 GENERAL & SOIL EROSION AND SEDIMENT CONTROL NOTES
- 3-8 SUMMARY OF QUANTITIES
- 9 SCHEDULE OF QUANTITIES
- 10 SITE PLAN - ELEMENT 1
- 11-12 DRAINAGE CONTROL STRUCTURE DETAILS - ELEMENT 1
- 13 SITE PLAN - ELEMENT 2
- 14-23 CULVERT LOCATION PLANS - ELEMENT 2
- 24-27 CULVERT PROFILES - ELEMENT 2
- 28-34 MIDDLE CREEK PLAN & PROFILE - ELEMENT 2
- 35 MIDDLE CREEK OUTLET STRUCTURE DETAIL - ELEMENT 2
- 36 SITE PLAN - ELEMENT 3
- 37 TYPICAL SECTIONS - ELEMENT 3
- 38-45 21st STREET PLAN & PROFILE - ELEMENT 3
- 46-48 FULTON AVENUE PLAN & PROFILE - ELEMENT 3
- 49-53 BURNETT AVENUE PLAN & PROFILE - ELEMENT 3
- 54 CULVERT PROFILES - ELEMENT 3
- 55-57 SOIL EROSION AND SEDIMENT CONTROL DETAILS
- 58-60 MISCELLANEOUS DETAILS

HIGHWAY STANDARDS

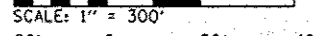
- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-01 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 285001-02 FABRIC FORMED CONCRETE REVETMENT MATS
- 420001-07 PAVEMENT JOINTS
- 483001-04 PCC SHOULDER
- ~~542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION~~
- 602306-03 INLET - TYPE B
- 602401-03 MANHOLE TYPE A
- 602701-02 MANHOLE STEPS
- 604001-03 FRAME AND LIDS TYPE 1
- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-04 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701901-02 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 72006-03 SIGN PANEL ERECTION DETAILS
- 720011-01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS
- 780001-03 TYPICAL PAVEMENT MARKINGS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- BLR 22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS



SITE PLAN - ELEMENT 1



SITE PLAN - ELEMENT 2 & 3



CULVERT LOCATION PLANS - ELEMENT 2
MIDDLE CREEK PLAN & PROFILE - ELEMENT 2
PLAN & PROFILE SHEETS - ELEMENT 3



CULVERT X-SECTIONS HORIZONTAL



CULVERT X-SECTIONS VERTICAL

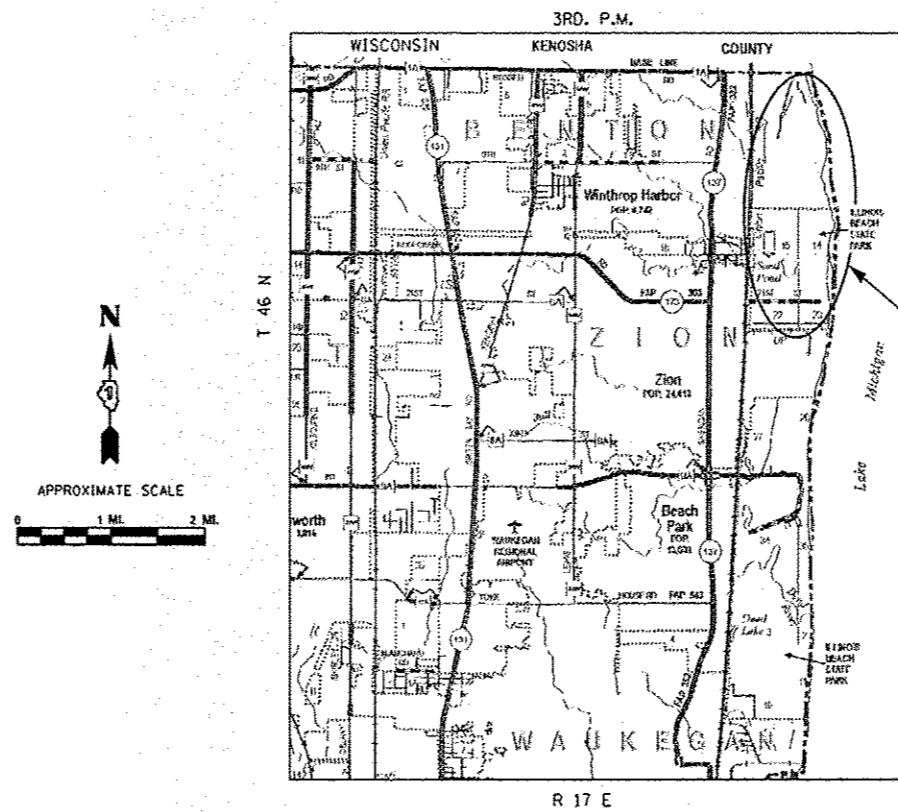
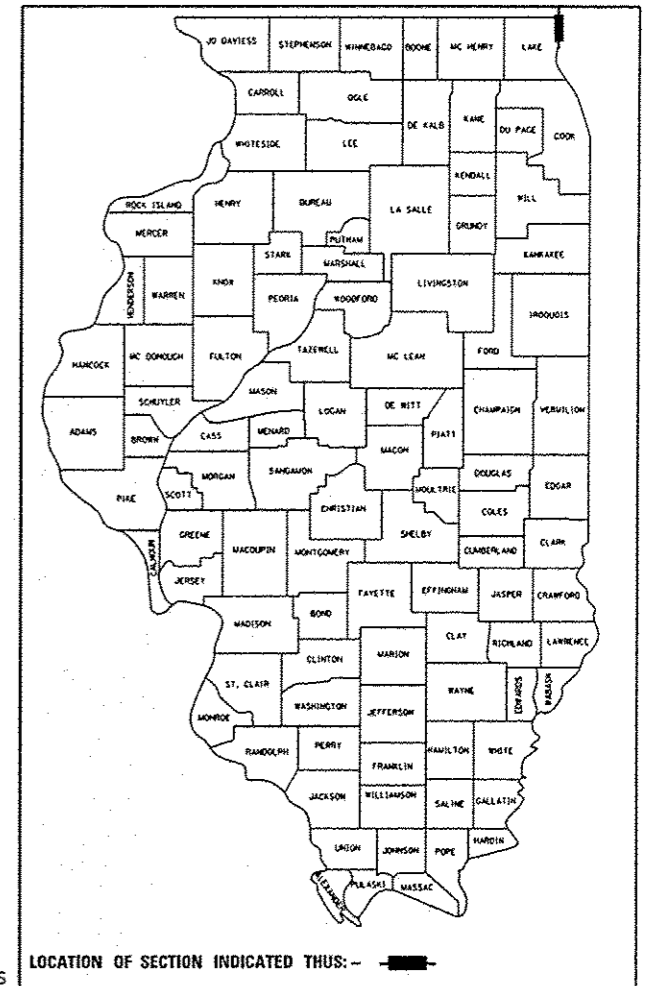
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: LANCE KIDD (217) 785-2933
CONTRACT NO. 46250

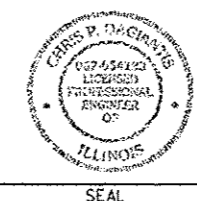
04-26-13 LETTING ITEM 204 STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
IDOT / IDNR STATEWIDE
GREAT LAKES RESTORATION INITIATIVE
ILLINOIS BEACH STATE PARK & SPRING BLUFF FOREST PRESERVE
SECTION PARK ROADS
LAKE COUNTY
IDOT PROJECT NO.
IDNR PROJECT NO. 2-12-010
FEDERAL PROJECT NO. DTSH15R10X5008F
C-30-009-13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 46250		
P-30-001-12				



LOCATION MAP

THE PROPOSED PROJECT CONSISTS OF THE PROPOSED IMPROVEMENTS AT ILLINOIS BEACH STATE PARK FOR THE NORTH DUNES NATURE PRESERVE, NORTH POINT MARINA AND THE SPRING BLUFF NATURE PRESERVE AS PART OF THE GREAT LAKES RESTORATION INITIATIVE. WORK INCLUDES NEW DRAINAGE INTAKE STRUCTURE, CULVERT AND DRAINAGE IMPROVEMENTS, PAVEMENT REMOVAL, NEW TRAILS AND SIGNAGE.



SIGNATURE: *Chris P. Degrant*
DATE SIGNED: 2-1-2013
LICENSURE EXPIRATION DATE: 11-30-2013

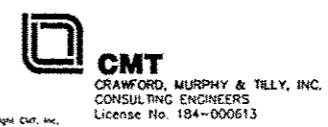
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *March 22 2013*
William F. Frey, Jr.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 22 2013
John D. Baranowski, P.E., Jr.
ENGINEER OF DESIGN AND ENVIRONMENT

March 22 2013
Omer Osman, P.E., Jr.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



SUGGESTED SEQUENCE FOR SOIL EROSION AND SEDIMENT CONTROL:

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACTUAL MEANS AND METHODS. THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION, DESCRIPTION AND SCHEDULE FOR SOIL EROSION AND SEDIMENT CONTROL MEASURES FOR REVIEW BY THE ENGINEER, IDNR AND LAKE COUNTY SMC PRIOR TO CONSTRUCTION.
- B. SUGGESTED SEQUENCE
 - 1. SELECTIVE VEGETATION REMOVAL FOR INSTALLATION OF SEDIMENT CONTROL DEVICES
 - 2. INSTALL SEDIMENT CONTROL DEVICES
 - 3. CONSTRUCT ANY REQUIRED TEMPORARY DIVERSIONS
 - 4. WORK AREA DEWATERING AND NECESSARY EXCAVATION
 - 5. CONSTRUCT IMPROVEMENTS
 - 6. COMPLETE FINAL GRADING AND STABILIZATION OF DISTURBED AREAS

LAKE COUNTY SEDIMENTATION AND EROSION CONTROL NOTES:

- 1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- 2. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- 3. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
- 4. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENGINEER SHALL BE STABILIZED WITH SOD, MAT OR BLANKET IN COMBINATION WITH SEEDING.
- 5. EROSION CONTROL MEASURES SHALL BE REQUIRED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- 6. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- 7. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- 8. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED.
- 9. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- 10. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF LAKE COUNTY.
- 11. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
- 12. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

GENERAL NOTES FOR SOIL EROSION AND SEDIMENT CONTROL:

- 1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- 2. SOIL EROSION AND SEDIMENT CONTROL MEASURES, AND PERMANENT AND TEMPORARY STORMWATER PRACTICES SHALL BE IN PLACE PRIOR TO STARTING CONSTRUCTION.
- 3. NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW AT ALL TIMES.
- 4. CONSTRUCTION MATERIALS AND/OR OTHER STOCKPILES SHALL NOT BE LOCATED ON STREAM BANKS OR IN THE PATH OF THE STREAM FLOW.
- 5. TEMPORARY EROSION CONTROL DEVICES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
- 6. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
- 7. PERMANENT SEEDING SHALL BE USED WHENEVER POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG GRADING OR SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDING AT ONE TIME.
- 8. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- 9. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT ILR40.
- 10. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENGINEER, SHALL BE STABILIZED WITH SOD, MAT OR BLANKET IN COMBINATION WITH SEEDING.
- 11. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- 12. CONTRACTOR SHALL PROVIDE LOCATIONS FOR CONCRETE TRUCK WASHOUT 2 DAYS PRIOR TO CONCRETE POUR. LOCATIONS SHALL BE APPROVED BY ENGINEER PRIOR TO ANY CONCRETE POURS. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS LEAVING PROJECT AREA, TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL AND TO THE SATISFACTION OF THE ENGINEER. ANY COST INCURRED FOR THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
- 13. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS TO REMAIN FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. THE CONTRACTOR SHALL PAY FOR RESTORATION AND ASSOCIATED PENALTIES FOR WETLAND DISTURBANCE BEYOND THAT SHOWN ON THE PLANS.
- 14. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE. THIS WORK WILL NOT BE MEASURED AND PAID FOR SEPARATELY BUT CONSIDERED INCLUDED IN THE UNIT PRICE COST FOR THE MEASURE INSTALLED.
- 15. IF DEWATERING SYSTEMS ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT FILTER BAG, OR OTHER APPROPRIATE MEASURE). DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT FILTER BAGS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES, DITCHES, TURF AREAS OR STREAMS IS PROHIBITED.
- 16. IT IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR TO INFORM ANY SUBCONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.
- 17. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
- 18. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR ONCE EVERY SEVEN DAYS AND AFTER EACH RAIN EVENT. INSPECTIONS SHALL BE DOCUMENTED AND RECORDS MAINTAINED TO BE MADE AVAILABLE FOR REVIEW UPON REQUEST. RECORDS SHOULD INCLUDE DEFICIENCIES AND CORRECTIONS NEEDED. THE TEMPORARY PROTECTION MEASURES SHALL BE RETURNED TO GOOD WORKING CONDITIONS WITHIN 48 WORKING HOURS AFTER INSPECTION OR AS OTHERWISE DIRECTED. COST FOR THIS WORK IS INCLUDED IN THE UNIT PRICE OF THE EROSION CONTROL MEASURES INSTALLED.
- 19. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

GENERAL NOTES:

- 1. UNLESS MODIFIED BY THE PROJECT SPECIFICATIONS, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION ON JAN. 1, 2012; THE LATEST ADDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JAN. 1, 2013.
- 2. THE LOCATIONS, SIZE, MATERIAL, DESCRIPTION OR TYPE OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS ARE APPROXIMATE LOCATIONS BASED ON IN PART, INFORMATION SUPPLIED BY OTHERS AND IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ARRANGE TO HAVE ALL UTILITIES INCLUDING WATER, GAS, ELECTRIC, STORM SEWER, SANITARY SEWER, TELEPHONE, AND CABLE T.V. LOCATED AND SUITABLY MARKED. SHOULD A UTILITY BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED AT ONCE. ADDITIONALLY, A PAY ITEM HAS BEEN INCLUDED FOR THE CONTRACTOR TO COORDINATE AND LOCATE ANY UTILITIES NOT COVERED BY J.U.L.I.E.
- 3. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME, HE/SHE DAMAGES OR DESTROYS PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE. PUBLIC ROADWAYS, PRIVATE ENTRANCES AND EMPLOYEE ENTRANCES SHALL REMAIN ACCESSIBLE AND FREE OF CONSTRUCTION DEBRIS. ANY MATERIAL TO BE STAGED OR STOCKPILED SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
- 4. WHERE SECTION OR SUB-SECTION CORNERS OR PROPERTY MARKERS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MARKERS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN AUTHORIZED SURVEYOR HAS WITNESSED OR REFERENCED THEIR LOCATION.
- 5. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- 6. GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS.
- 7. THE CONTRACTOR SHALL NOTIFY THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES NATIONAL HERITAGE BIOLOGIST MR BRAD SEMEL AT 630-399-3242 AND SITE SUPERINTENDENT SAKI VILLALOBOS AT 847-662-4028 AT LEAST TWO WEEKS IN ADVANCE OF MOVING EQUIPMENT, MATERIALS, OR FORCES TO THE SITE FOR EACH OF THE THREE ELEMENTS OF WORK. ADDITIONALLY, THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES IN ELEMENT 1 WITH NORTH POINT MARINA HARBOR MASTER ROGER MELLEME @ 847-746-2845 AND ALL CONSTRUCTION ACTIVITIES IN ELEMENT 1 AND ALONG 7th STREET WITH DEBBIE MAURER, LAKE COUNTY FOREST PRESERVE DISTRICT @ 847-276-6943 AT LEAST TWO WEEKS IN ADVANCE OF INITIATING ANY WORK ACTIVITIES.
- 8. TREE REMOVALS SHOWN IN THE PLANS SHALL BE MARKED IN THE FIELD AND VERIFIED BY THE ENGINEER PRIOR TO REMOVAL BY THE CONTRACTOR. ALL REMAINING TREES SHALL BE PROTECTED BY THE CONTRACTOR FROM DAMAGE DUE TO HIS OPERATIONS.
- 9. SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED CONSTRUCTION LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDING, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- 10. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05 TONS / CU YD
--------------------	-------------------
- 11. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 12. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.
- 13. LOCATION FOR WASHING AND CLEANING OF EQUIPMENT SHALL BE DONE OFF-SITE (SEE SPECIAL PROVISION)
- 14. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN AND COMPLY WITH THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT. THIS SHALL INCLUDE COORDINATION AND SUBMITTAL OF THE NECESSARY DOCUMENTATION AND FEES. ANY COST INCURRED FOR THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
- 15. THE CONTRACTOR SHALL NOTIFY U.S. FISH & WILDLIFE AT (847)381-2253 AT LEAST TWO WEEKS IN ADVANCE OF MOVING EQUIPMENT, MATERIALS, OR FORCES TO THE SITE.

FILE NAME *	USER NAME * Matt Overbey	DESIGNED - CPD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES IDNR ILLINOIS BEACH STATE PARK				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\1001\1106810\WD.7\Draw\CADD\Sheet\26\GENNOTES.dgn		DRAWN - CPD	REVISED -		N/A	PARK ROADS	LAKE	60	2				
Default	PLOT SCALE * 1/8" = 1'-0"	CHECKED - MJO	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				IDNR NO. 2-12-010 CONTRACT NO. 46250		ILLINOIS FED. AID PROJECT		
	PLOT DATE * 2/1/2013	DATE - 2/1/2013	REVISED -										

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				0044	0044	0028
				100% FEDERAL	100% FEDERAL	100% FEDERAL
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ELEMENT 1	ELEMENT 2	ELEMENT 3
44004250	PAVED SHOULDER REMOVAL	SQ YD	35	35		
48300300	PORTLAND CEMENT CONCRETE SHOULDERS 8"	SQ YD	37	37		
50105220	PIPE CULVERT REMOVAL	FOOT	488	10	388	90
50200100	STRUCTURE EXCAVATION	CU YD	151	85	66	
50300225	CONCRETE STRUCTURES	CU YD	12.3		12.3	
50300280	CONCRETE ENCASEMENT	CU YD	6.5		6.5	
50800105	REINFORCEMENT BARS	POUND	1,850		1,850	
51201800	FURNISHING STEEL PILES HP14X73	FOOT	144		144	
51202305	DRIVING PILES	FOOT	124		124	
51602000	PERMANENT CASING	FOOT	56		56	
52100510	ANCHOR BOLTS, 3/4"	EACH	16		16	
54010603	PRECAST CONCRETE BOX CULVERTS 6' X 3'	FOOT	30		30	
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	320	22	156	142
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	72		72	

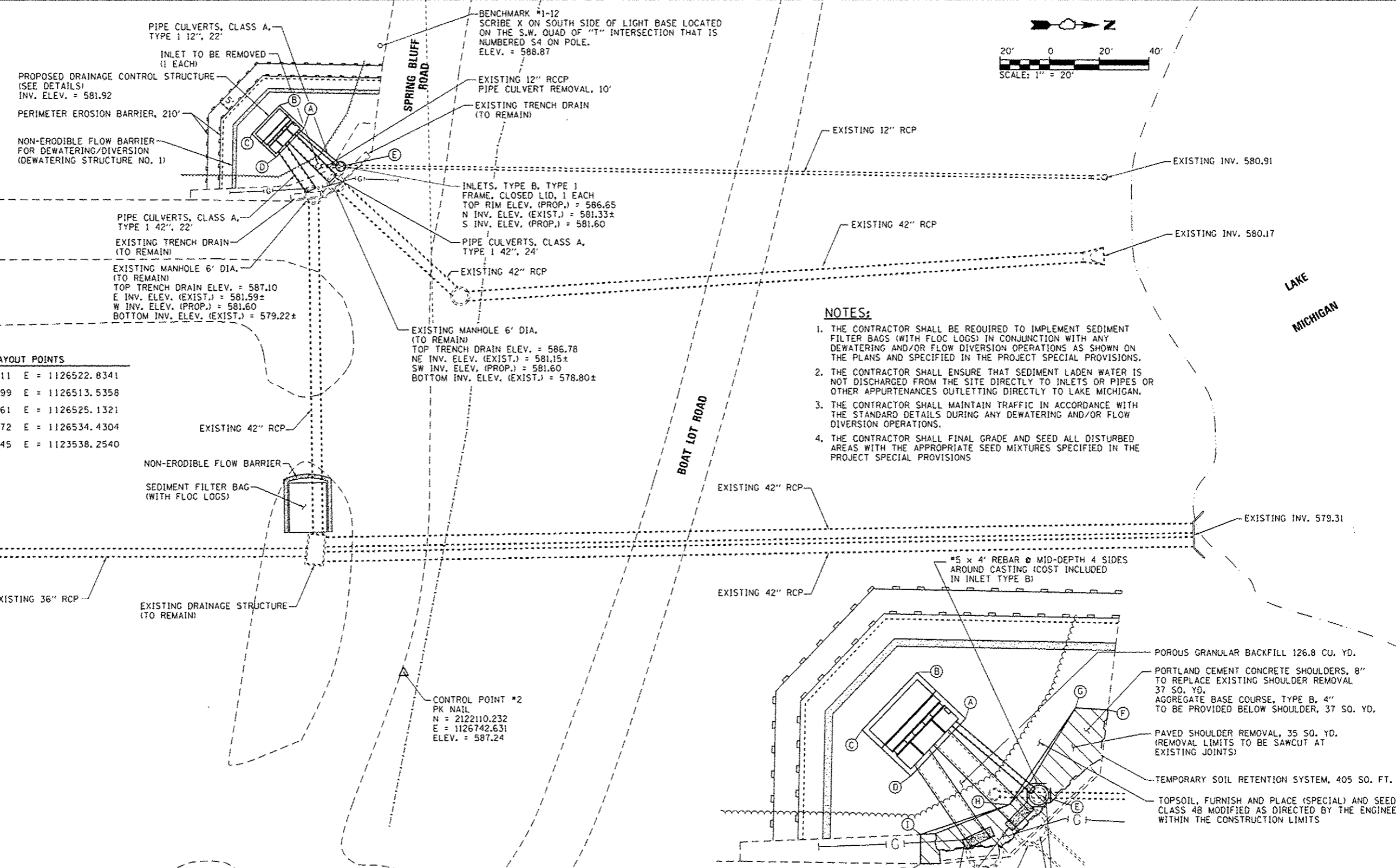
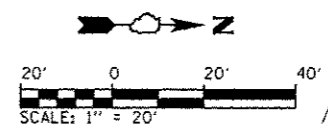
14

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				0044	0044	0028
				100% FEDERAL	100% FEDERAL	100% FEDERAL
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ELEMENT 1	ELEMENT 2	ELEMENT 3
542A0247	PIPE CULVERTS, CLASS A, TYPE 1 42"	FOOT	46	46		
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTION 36"	EACH	3		3	
54248510	CONCRETE COLLAR	CU YD	5.1	1.6	3.5	
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	4.0		4.0	
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1	
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2		
60500060	REMOVING INLETS	EACH	1	1		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	3	3	3
67100100	MOBILIZATION	L SUM	1	0.33	0.33	0.34
78008210	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	FOOT	190			190
K1003680	MULCH	SO YD	11,528		1,163	10,365
K1005421	SEEDING (SPECIAL)	ACRE	2.50			2.50
X0301797	GATE REMOVAL	EACH	1			1

13

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				0044	0044	0028
				100% FEDERAL	100% FEDERAL	100% FEDERAL
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ELEMENT 1	ELEMENT 2	ELEMENT 3
X0301852	DEWATERING STRUCTURE NO. 1	EACH	1	1		
X0301853	DEWATERING STRUCTURE NO. 2	EACH	1		1	
X0301854	DEWATERING STRUCTURE NO. 3	EACH	1		1	
X0301855	DEWATERING STRUCTURE NO. 4	EACH	1		1	
X0301856	DEWATERING STRUCTURE NO. 5	EACH	1		1	
X0301857	DEWATERING STRUCTURE NO. 6	EACH	1		1	
X0323013	TUBULAR STEEL GATE	EACH	1			1
X0324043	GRATING FOR CONCRETE HEADWALL	EACH	1		1	
X0325592	REMOVE AND REPLACE STONE RIPRAP	CU YD	45		45	
X0326337	DRAINAGE CONTROL STRUCTURE	EACH	1	1		
X0326861	PULVERIZATION	SQ YD	10,085			10,085
X0350805	FOLD DOWN BOLLARDS	EACH	1		1	
X2110100	TOPSOIL FURNISH AND PLACE, (SPECIAL)	CU YD	897	24	70	803
X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	2.25		0.25	2.00

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				0044	0044	0028
				100% FEDERAL	100% FEDERAL	100% FEDERAL
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ELEMENT 1	ELEMENT 2	ELEMENT 3
X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.10	0.10		
X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	210	210		
X2800302	TEMPORARY DITCH CHECKS (SPECIAL)	FOOT	182		182	
X5121800	PERMANENT STEEL SHEET PILING	SQ FT	80		80	
X5420621	PIPE CULVERTS TO BE CLEANED 21"	FOOT	26		26	
X5420660	PIPE CULVERTS TO BE CLEANED 60"	FOOT	30		30	
X6040205	FRAMES AND LIDS, SPECIAL	EACH	1		1	
X6081000	FLAP GATE (SPECIAL)	EACH	1		1	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.33	0.33	0.34
XX002202	VEHICLE CONTROL BOLLARDS	EACH	4			4
XX008397	MULTI-USE PATH SEAL COAT	SQ YD	160			160
Z0004002	BOLLARDS	EACH	2			2
Z0004638	PAVEMENT BREAKING	SQ YD	2,055			2,055
Z0005305	BOX CULVERTS TO BE CLEANED	FOOT	100		100	



STRUCTURE LAYOUT POINTS

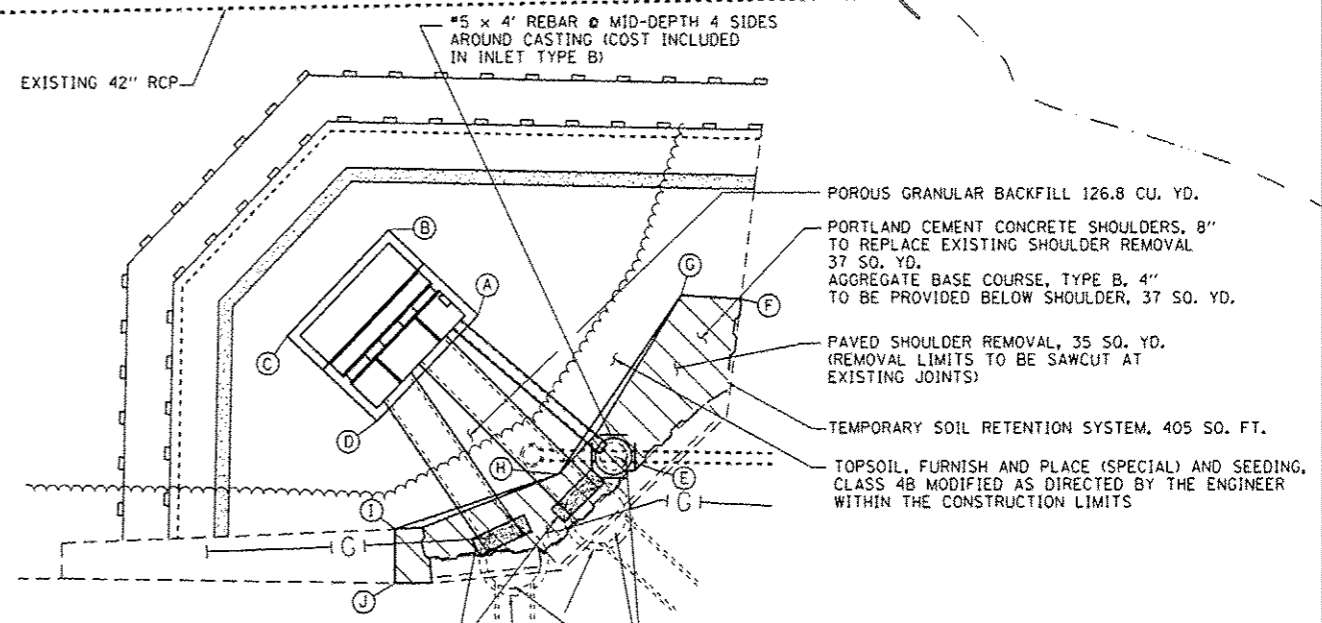
(A)	N = 2122070.2411	E = 1126522.8341
(B)	N = 2122060.4599	E = 1126513.5358
(C)	N = 2122049.4361	E = 1126525.1321
(D)	N = 2122059.2172	E = 1126534.4304
(E)	N = 2122085.0145	E = 1123538.2540

SHOULDER LAYOUT POINTS

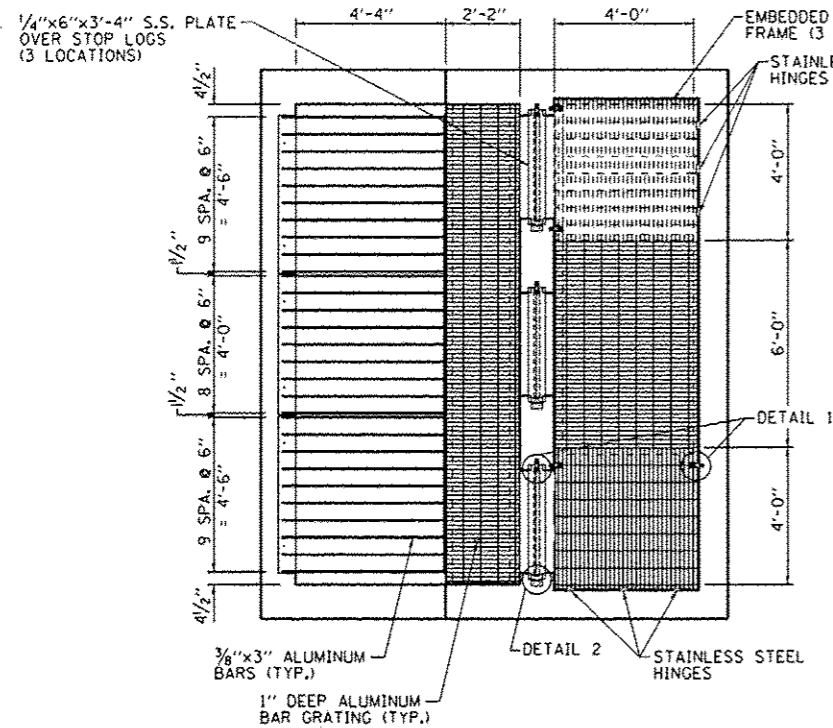
(F)	N = 2122098.9161	E = 1126521.0462
(G)	N = 2122092.3980	E = 1126520.6450
(H)	N = 2122079.0110	E = 1126540.2110
(I)	N = 2122061.1674	E = 1126546.2052
(J)	N = 2122061.1707	E = 1126552.1090

NOTES:

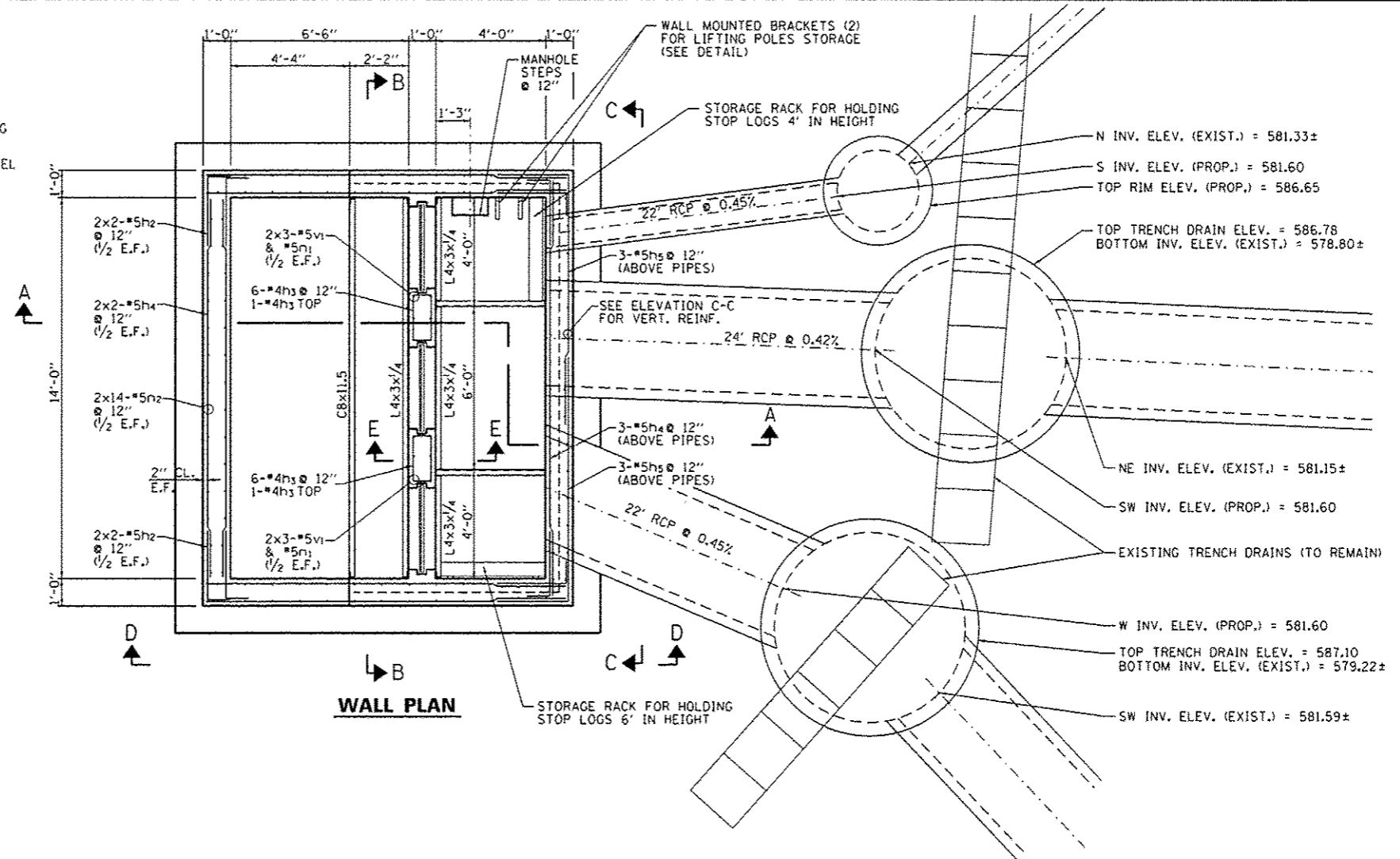
1. THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT SEDIMENT FILTER BAGS (WITH FLOC LOGS) IN CONJUNCTION WITH ANY DEWATERING AND/OR FLOW DIVERSION OPERATIONS AS SHOWN ON THE PLANS AND SPECIFIED IN THE PROJECT SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL ENSURE THAT SEDIMENT LADEN WATER IS NOT DISCHARGED FROM THE SITE DIRECTLY TO INLETS OR PIPES OR OTHER APPURTENANCES OUTLETING DIRECTLY TO LAKE MICHIGAN.
3. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE STANDARD DETAILS DURING ANY DEWATERING AND/OR FLOW DIVERSION OPERATIONS.
4. THE CONTRACTOR SHALL FINAL GRADE AND SEED ALL DISTURBED AREAS WITH THE APPROPRIATE SEED MIXTURES SPECIFIED IN THE PROJECT SPECIAL PROVISIONS.



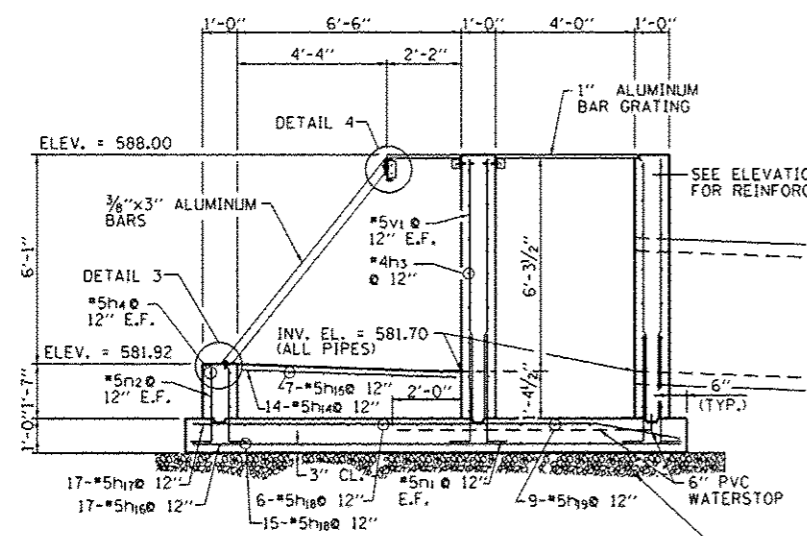
DRAINAGE CONTROL STRUCTURE DETAIL



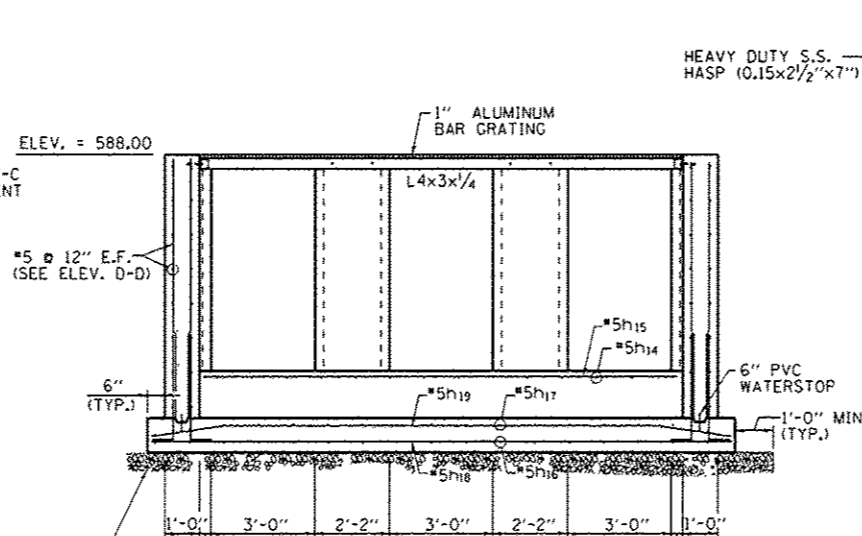
TOP PLAN



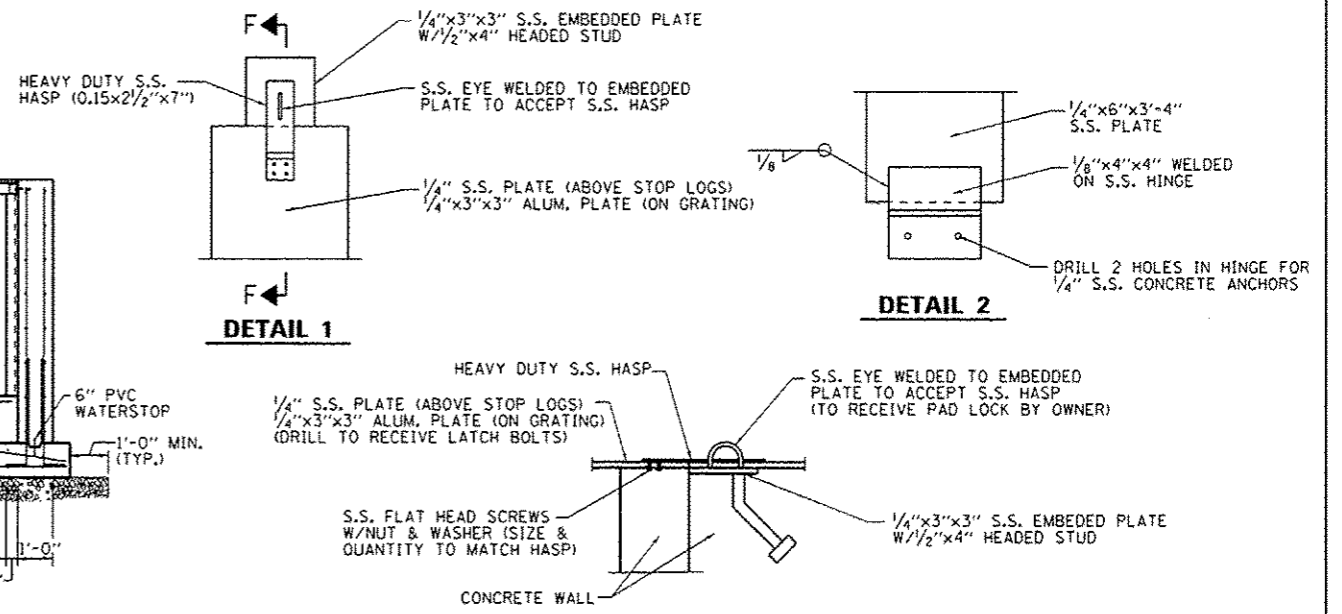
WALL PLAN



SECTION A-A

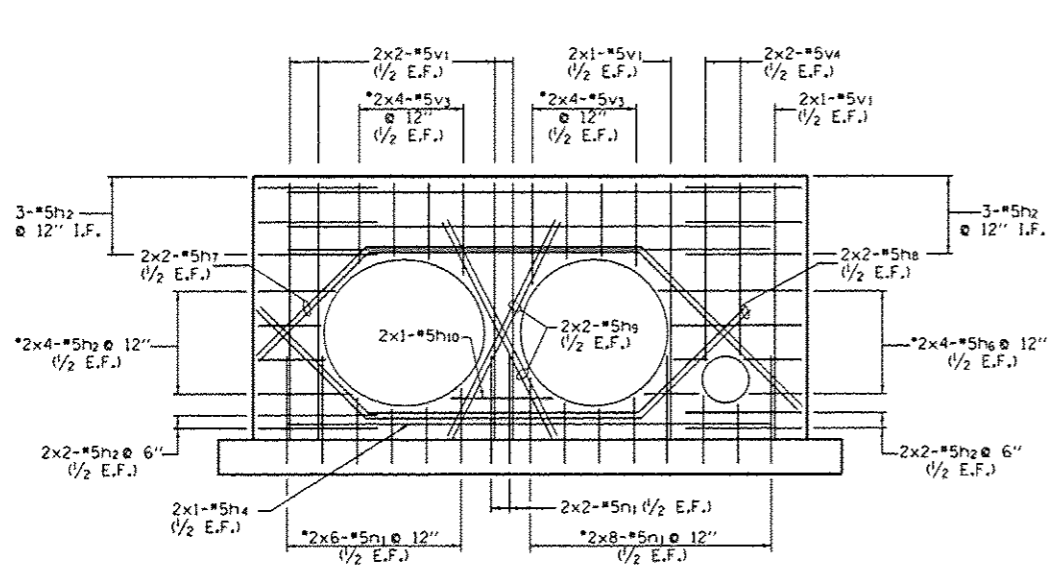


SECTION B-B



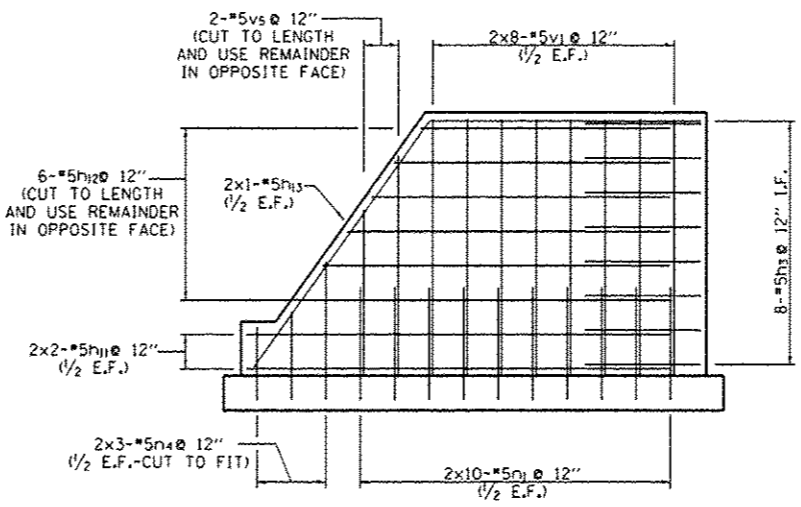
SECTION F-F

FILE NAME : L:\INDOT\1186610\WD_710-00\COOD_Sheets\01.CONSTR.REVISED.dgn	USER NAME : Matt Overbay	DESIGNED - BPD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE CONTROL STRUCTURE DETAIL - ELEMENT 1 IDNR ILLINOIS BEACH STATE PARK	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE : 3/32" = 1'	DRAWN - GLD	REVISED -			N/A	PARK ROADS	LAKE	60	11	
	PLOT DATE : 2/1/2013	CHECKED - SPH	REVISED -			IDNR NO. 2-12-010					CONTRACT NO. 46250
		DATE - 2/1/2013	REVISED -			ILLINOIS FED. AID PROJECT					

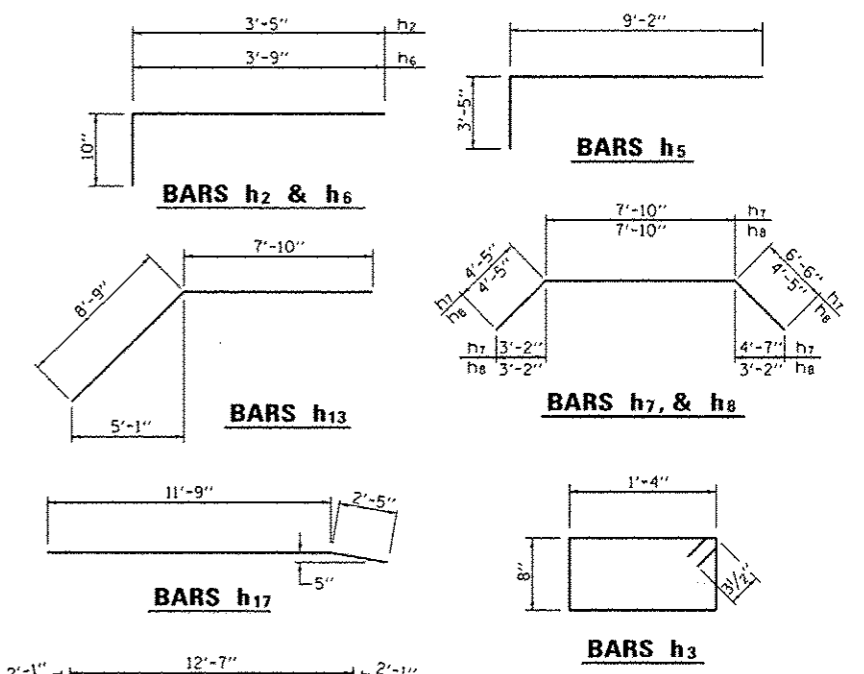


WALL ELEVATION C-C

*CUT TO FIT AT PIPE OPENINGS

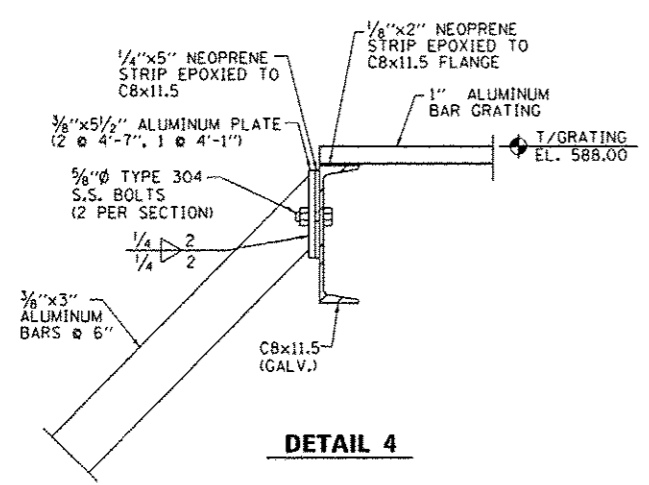


WALL ELEVATION D-D

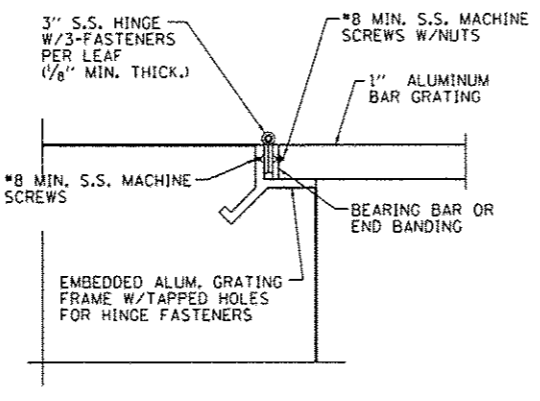


BILL OF MATERIAL

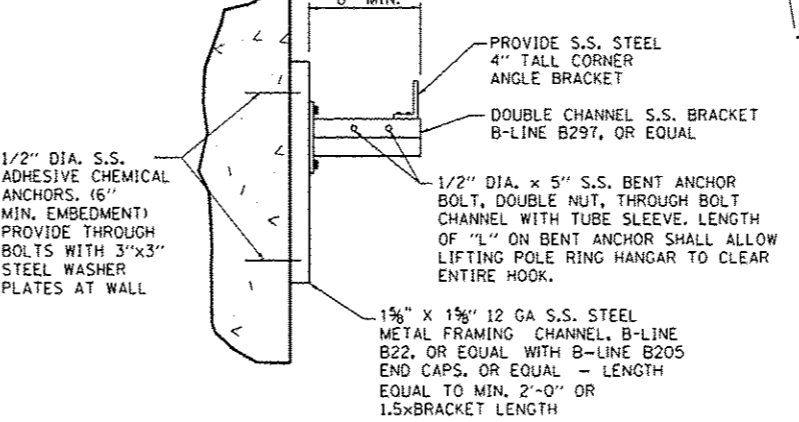
BAR	NO.	SIZE	LENGTH	SHAPE
h2	50	#5	4'-3"	[Shape]
h3	14	#4	4'-7"	[Shape]
h4	13	#5	14'-0"	[Shape]
h5	6	#5	12'-7"	[Shape]
h6	8	#5	4'-7"	[Shape]
h7	4	#5	18'-9"	[Shape]
h8	4	#5	16'-8"	[Shape]
h9	4	#5	7'-0"	[Shape]
h10	2	#5	3'-0"	[Shape]
h11	12	#5	12'-4"	[Shape]
h12	12	#5	18'-0"	[Shape]
h13	4	#5	16'-7"	[Shape]
h14	14	#5	6'-2"	[Shape]
h15	7	#5	13'-8"	[Shape]
h16	17	#5	14'-2"	[Shape]
h17	17	#5	14'-2"	[Shape]
h18	21	#5	16'-10"	[Shape]
h19	9	#5	16'-9"	[Shape]
n1	84	#5	4'-3"	[Shape]
n2	28	#5	3'-0"	[Shape]
n4	12	#5	4'-10"	[Shape]
v1	54	#5	7'-6"	[Shape]
v3	16	#5	2'-8"	[Shape]
v4	4	#5	4'-2"	[Shape]
v5	4	#5	11'-10"	[Shape]



DETAIL 4

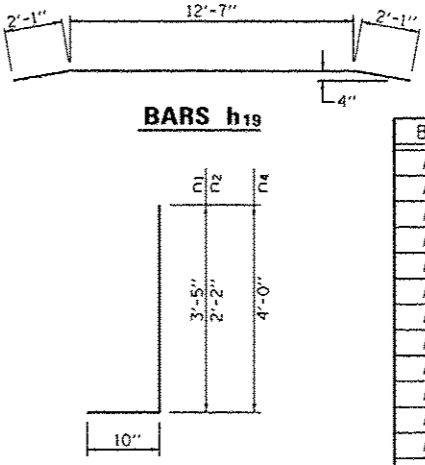


GRATING HINGE DETAIL
(2 LOCATIONS - 6 REQUIRED)

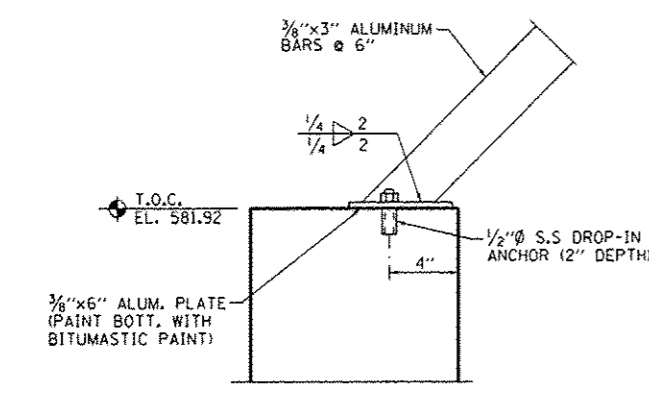


WALL-MOUNTED BRACKETS FOR LIFTING POLES

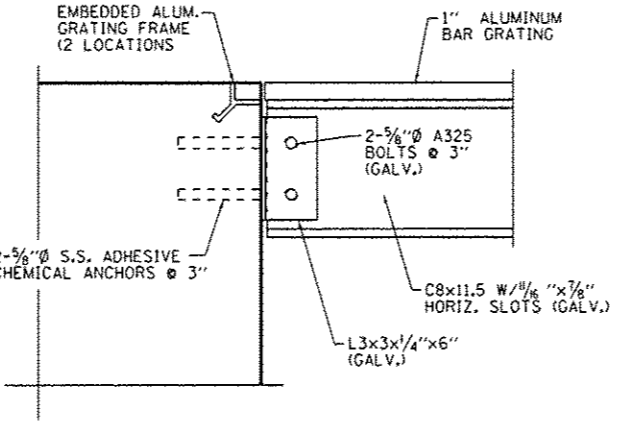
PROVIDE TWO WALL MOUNTED BRACKETS 10" APART AT THE LOCATION SHOWN ON PLANS FOR STORAGE OF LIFTING POLES



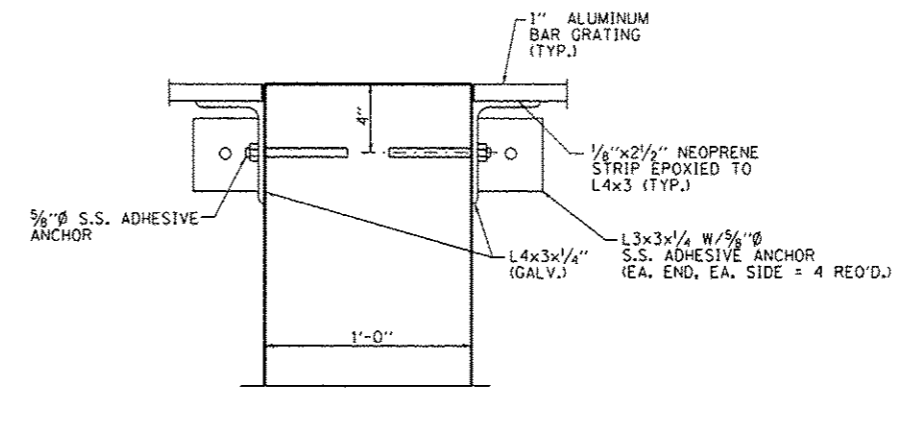
BARS n1, n2 & n4



DETAIL 3

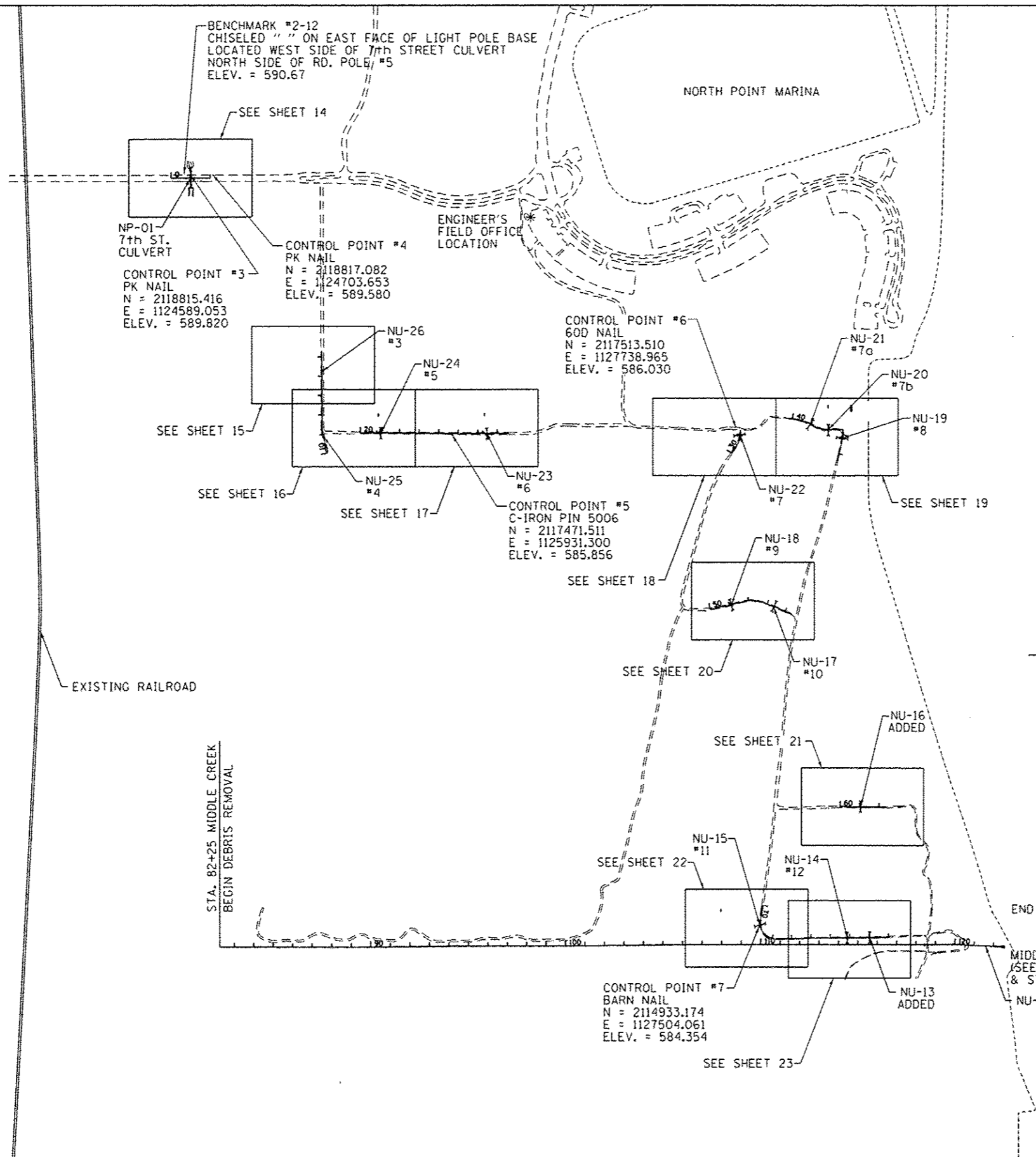
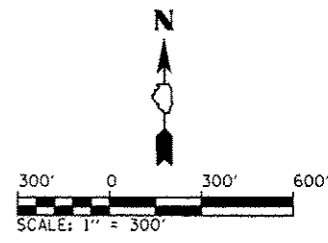


STEEL TO CONCRETE CONN. DETAIL
(6 LOCATIONS)



SECTION E-E

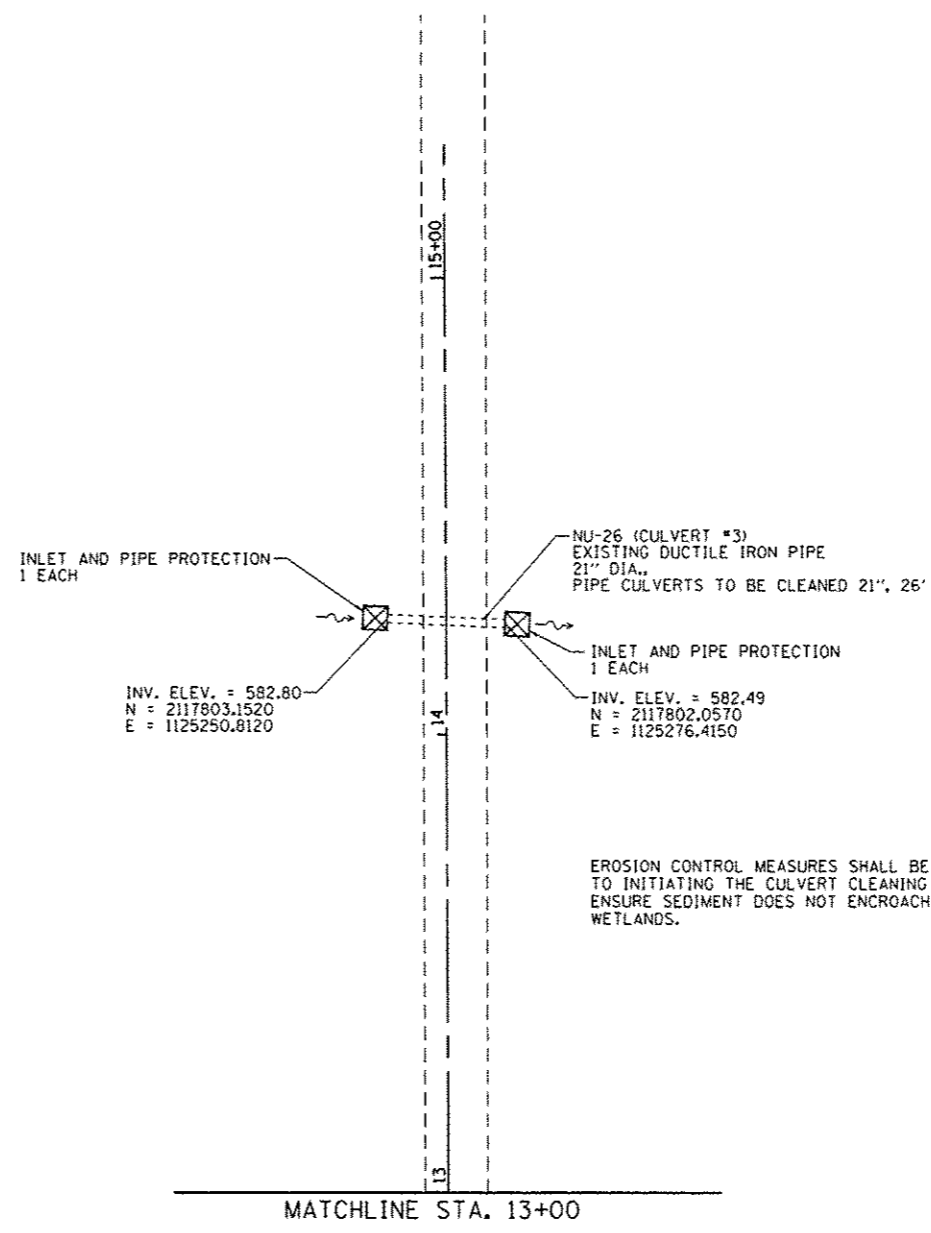
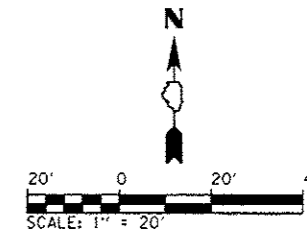
ITEMS SHOWN ARE FOR INFORMATION ONLY. DRAINAGE CONTROL STRUCTURE WILL BE PAID FOR AS EACH FOR COMPLETED UNIT.



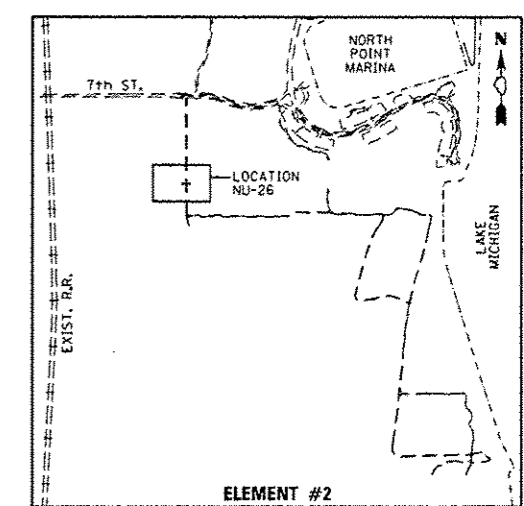
NOTES:

1. THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT EROSION CONTROL MEASURES IN CONJUNCTION WITH ANY DEWATERING AND/OR FLOW DIVERSION OPERATIONS AS SHOWN ON THE PLANS AND SPECIFIED IN THE PROJECT SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL ENSURE THAT SEDIMENT LADEN WATER IS NOT DISCHARGED FROM THE SITE DIRECTLY TO INLETS OR PIPES OR OTHER APPURTENANCES OUTLETING TO LAKE MICHIGAN, WETLANDS OR THE NATURE PRESERVE.
3. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE STANDARD DETAILS OR INSTALL CLOSURES DURING CULVERT REPLACEMENTS.
4. THE CONTRACTOR SHALL FINAL GRADE AND SEED AND DISTURBED AREAS WITH THE APPROPRIATE SEED MIXTURES SPECIFIED IN THE PROJECT SPECIAL PROVISIONS.

FILE NAME :	USER NAME : Matt Overboy	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE PLAN - ELEMENT 2 IDNR ILLINOIS BEACH STATE PARK	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	
L:\IDOT\118661\W07\Draw\CADD\Sheets\2-001.SITEPLAN.dgn	001.SITEPLAN.dgn	DRAWN - MJO	REVISED -			N/A	PARK ROADS	LAKE	60	13
Default	PLOT SCALE : 600.0000 / in.	CHECKED - SPH	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		IDNR NO. 2-12-010		CONTRACT NO. 46250
	PLOT DATE : 2/1/2013	DATE - 2/1/2013	REVISED -					ILLINOIS FED. AID PROJECT		



EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO INITIATING THE CULVERT CLEANING OPERATIONS TO ENSURE SEDIMENT DOES NOT ENCROACH INTO THE WETLANDS.



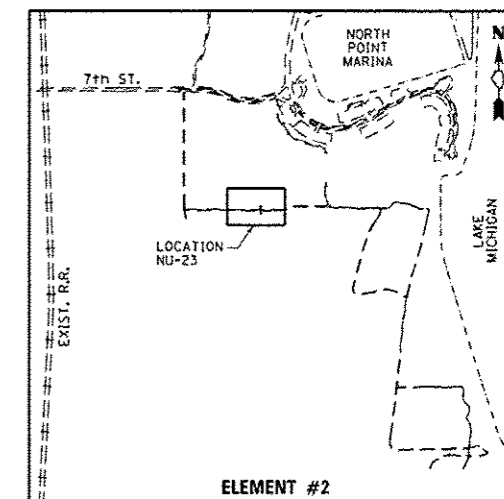
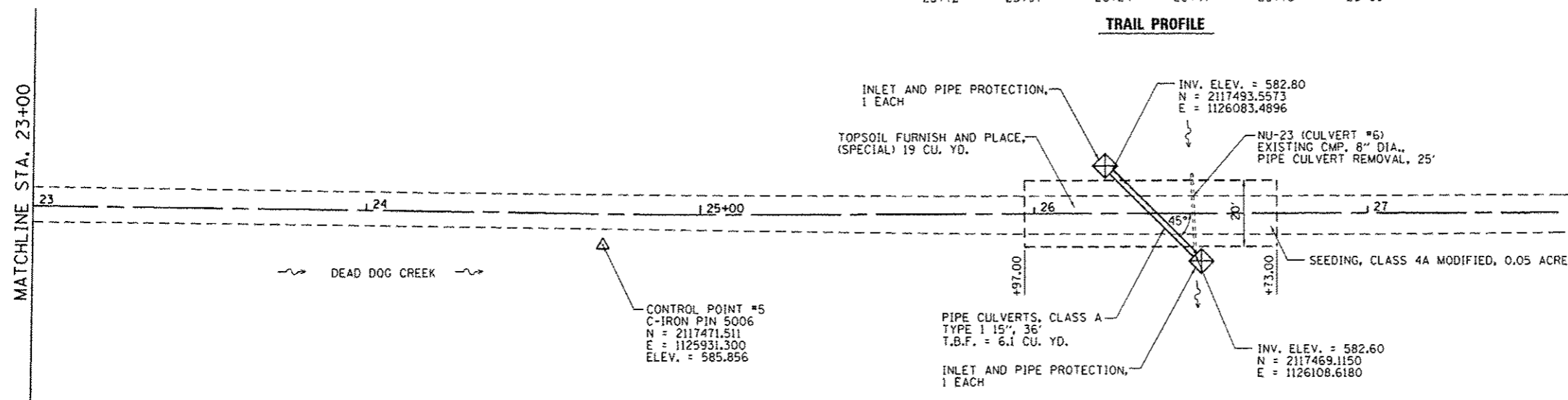
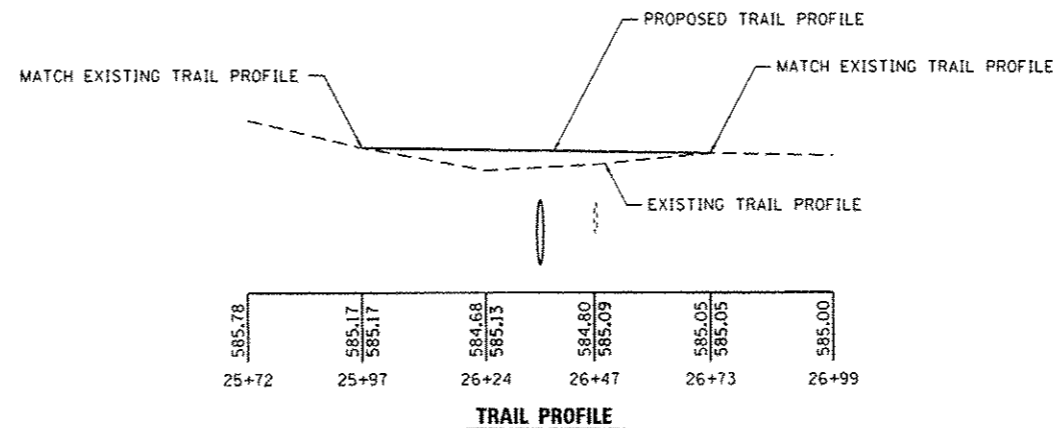
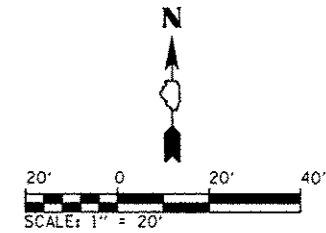
FILE NAME :	USER NAME : Matt Overbay	DESIGNED - CPD	REVISED -
L:\1007\11866\1\W0.7\Draw\CADD_Sheets\02	902_PLN_Culvert.dgn	DRAWN - MJO	REVISED -
Default	PLOT SCALE : 48.0000' / 1" =	CHECKED - SPH	REVISED -
	PLOT DATE : 2/1/2013	DATE - 2/1/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT LOCATION PLAN - ELEMENT 2
IDNR ILLINOIS BEACH STATE PARK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	15
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				



LEGEND

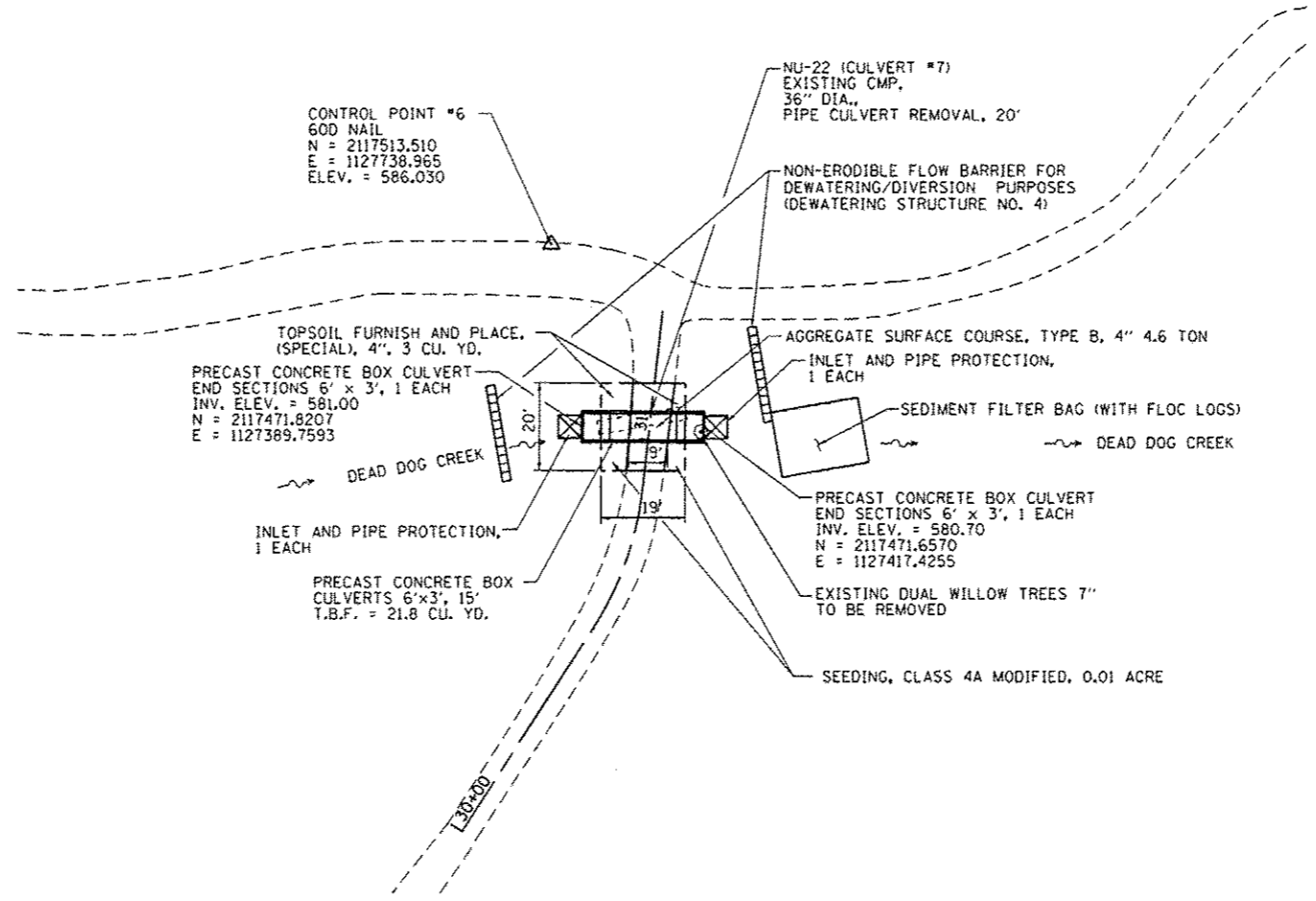
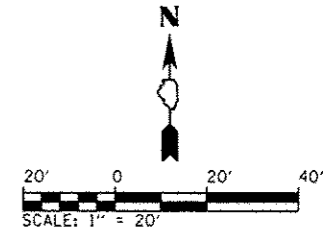
	DIRECTION OF FLOW
585.60	PROPOSED ELEVATION
585.35	EXISTING ELEVATION

FILE NAME =	USER NAME = Matt Overbey	DESIGNED = CPD	REVISED =
L:\1001\100010\WO-7\Draw\CADD_Sheets\004_PLN_Culvert.dgn	DRAWN = MJO	REVISOR =	REVISOR =
Default	CHECKED = SPH	DATE = 2/1/2013	REVISED =
	PLOT SCALE = 40.0000 / in.		
	PLOT DATE = 2/1/2013		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT LOCATION PLAN - ELEMENT 2			
IONR ILLINOIS BEACH STATE PARK			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	17
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				

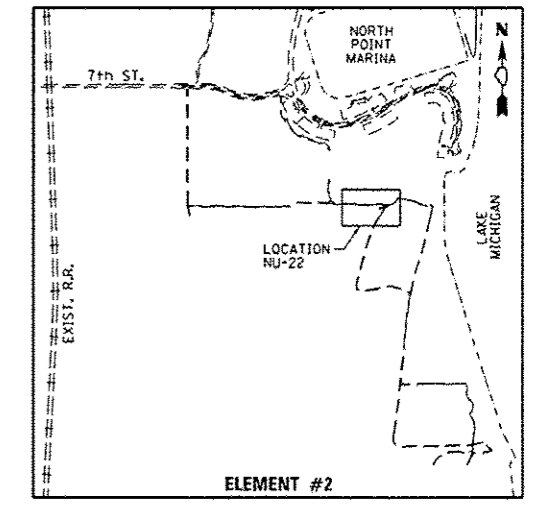


NOTES:

1. THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT SEDIMENT FILTER BAGS (WITH FLOC LOGS) IN CONJUNCTION WITH ANY DEWATERING AND/OR FLOW DIVERSION OPERATIONS AS SHOWN ON THE PLANS AND SPECIFIED IN THE PROJECT SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL ENSURE THAT SEDIMENT LADEN WATER IS NOT DISCHARGED FROM THE SITE DIRECTLY TO DEAD DOG CREEK.
3. THE CONTRACTOR SHALL PROTECT THE DISCHARGE SIDE OF THE DEWATERING/DIVERSION TO PREVENT EROSION OR SCOURING OF DEAD DOG CREEK.

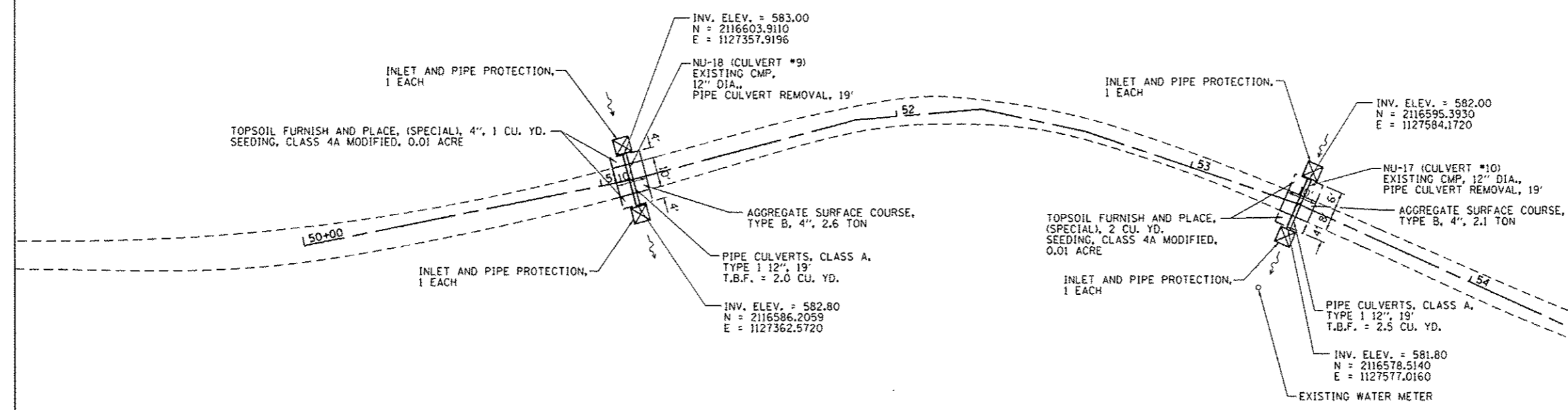
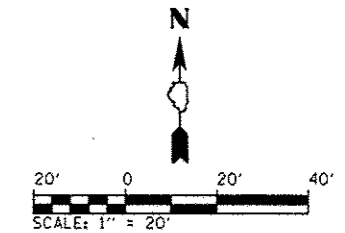
LEGEND

- DIRECTION OF FLOW
- 585.60 PROPOSED ELEVATION
- 585.35 EXISTING ELEVATION



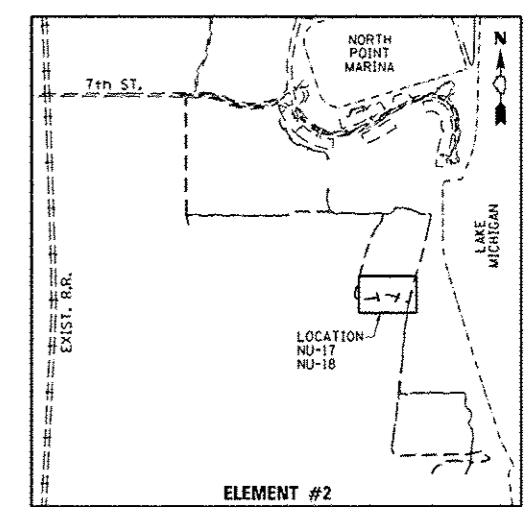
**ELEMENT #2
KEY MAP**

FILE NAME :	USER NAME : Matt Overbay	DESIGNED - CPD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT LOCATION PLAN - ELEMENT 2 IDNR ILLINOIS BEACH STATE PARK				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
LN:\00T\1106010\WD_7\Draw\CADD_Sheets\C2-005_PLN_Culvert.dgn	005_PLN_Culvert.dgn	DRAWN - MJO	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	N/A	PARK ROADS	LAKE	60	18
Default	PLOT SCALE = 48.0000 / in.	CHECKED - SPH	REVISED -								IDNR NO. 2-12-010	CONTRACT NO. 46250			
	PLOT DATE = 2/1/2013	DATE - 2/1/2013	REVISED -								ILLINOIS FED. AID PROJECT				



LEGEND

	DIRECTION OF FLOW
585.60	PROPOSED ELEVATION
585.35	EXISTING ELEVATION

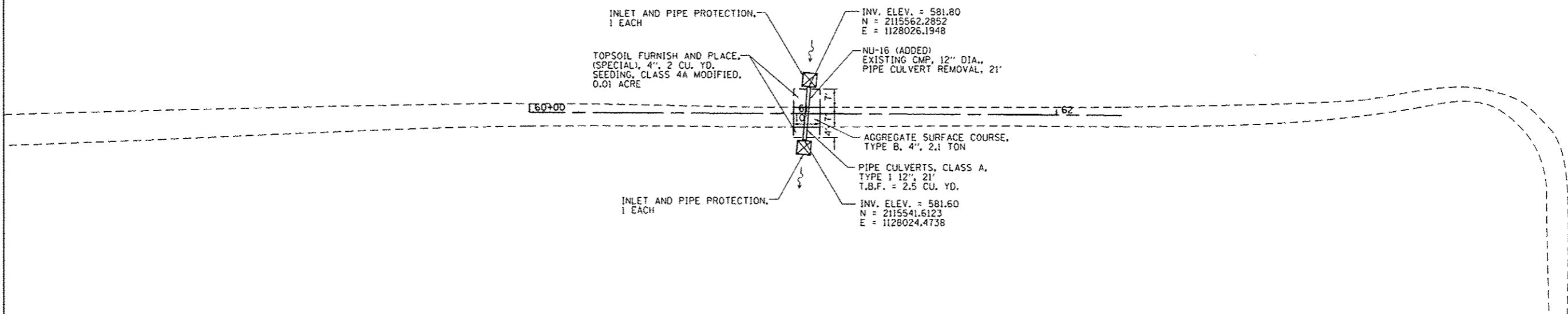
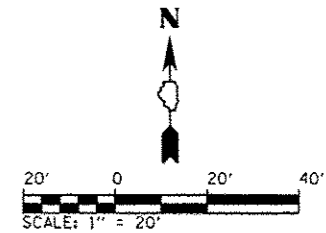


FILE NAME :	USER NAME : Matt Overbey	DESIGNED - CPD	REVISED -
L:\1007\1106610\WD-7\Draw\CADD_Sheets\E	907.PLM_Culvert.dgn	DRAWN - MJO	REVISED -
Default	PLOT SCALE = 40,000 / 1"	CHECKED - SPH	REVISED -
	PLOT DATE = 2/1/2013	DATE - 2/1/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

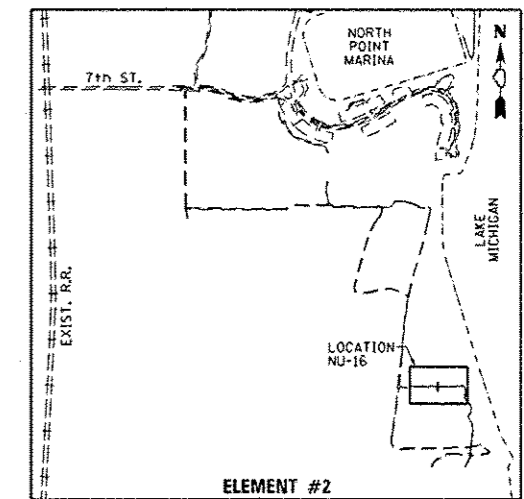
**CULVERT LOCATION PLAN - ELEMENT 2
IDNR ILLINOIS BEACH STATE PARK**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	20
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				



LEGEND

	DIRECTION OF FLOW
585.60	PROPOSED ELEVATION
585.35	EXISTING ELEVATION



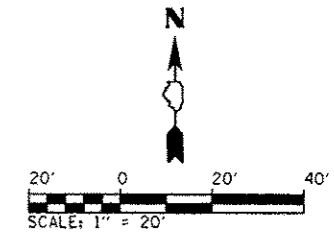
FILE NAME :	USER NAME : Matt Overbay	DESIGNED - CPD	REVISED -
L:\1001\1106018\10.7\Draw\CADD_Sheets\E2	000.PLN, Culver Ldgn	DRAWN - MJO	REVISED -
Default	PLOT SCALE : 40.0000' / 1\"/>		
	DATE - 2/1/2013	CHECKED - SPH	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT LOCATION PLAN - ELEMENT 2
IDNR ILLINOIS BEACH STATE PARK**

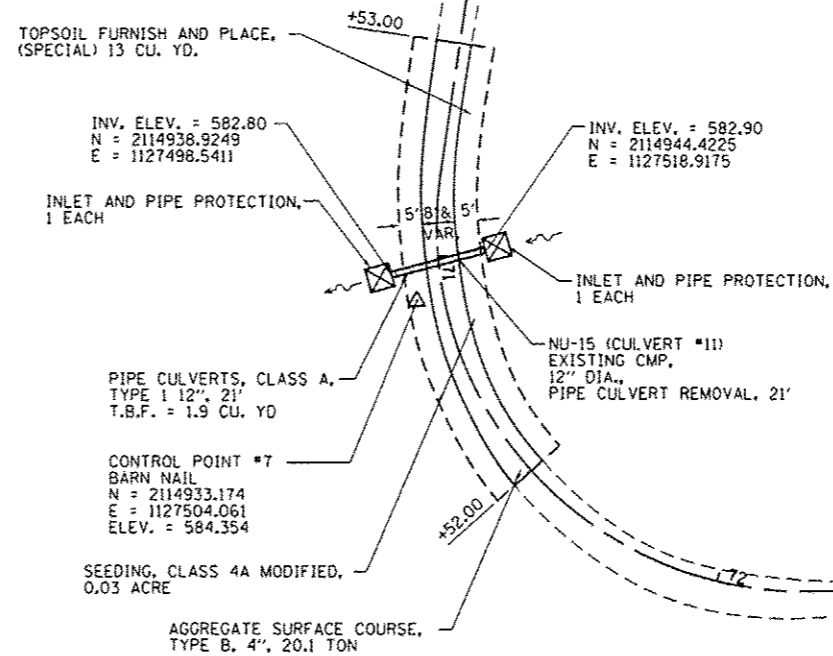
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	21
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				



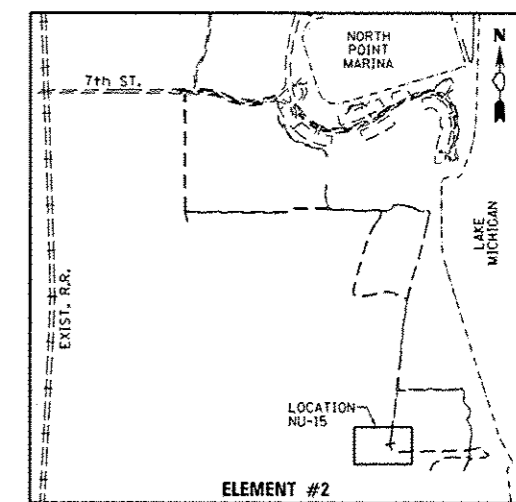
584.27	584.03	583.95	583.92	584.50	584.51	584.43	584.45
70+28	70+53	70+77	70+91	71+01	71+28	71+52	71+75

TRAIL PROFILE



LEGEND

- DIRECTION OF FLOW
- 585.60 PROPOSED ELEVATION
- 585.35 EXISTING ELEVATION



**ELEMENT #2
KEY MAP**

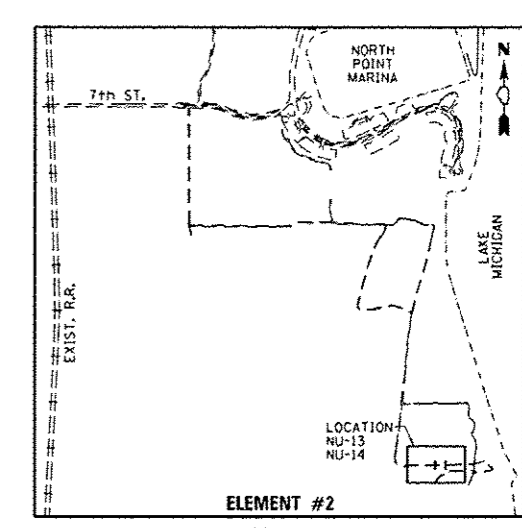
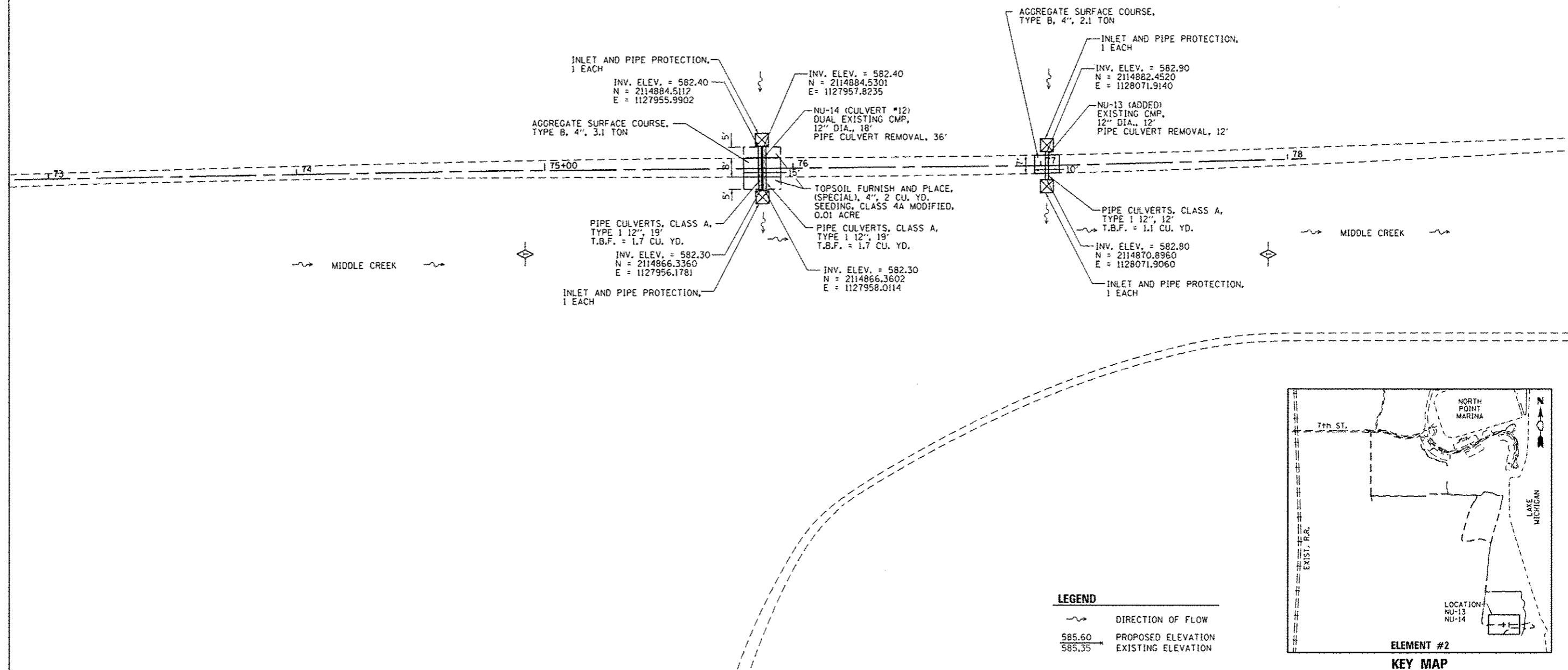
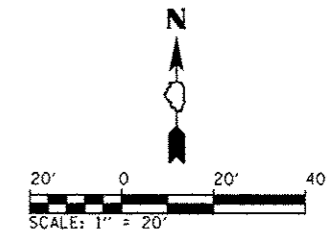
FILE NAME *	USER NAME * Matt Overbay	DESIGNED - CPD	REVISED -
LI\1007\1106610\40.7\0-a-cadd\Sheets\2	009.PLN, Culvert.dgn	DRAWN - MJO	REVISED -
Default	PLOT SCALE * 40.0000' / in.	CHECKED - SPH	REVISED -
	PLOT DATE * 2/1/2013	DATE - 2/1/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT LOCATION PLAN 9 - ELEMENT 2
IDNR ILLINOIS BEACH STATE PARK**

F.A.P. RTL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	22
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				

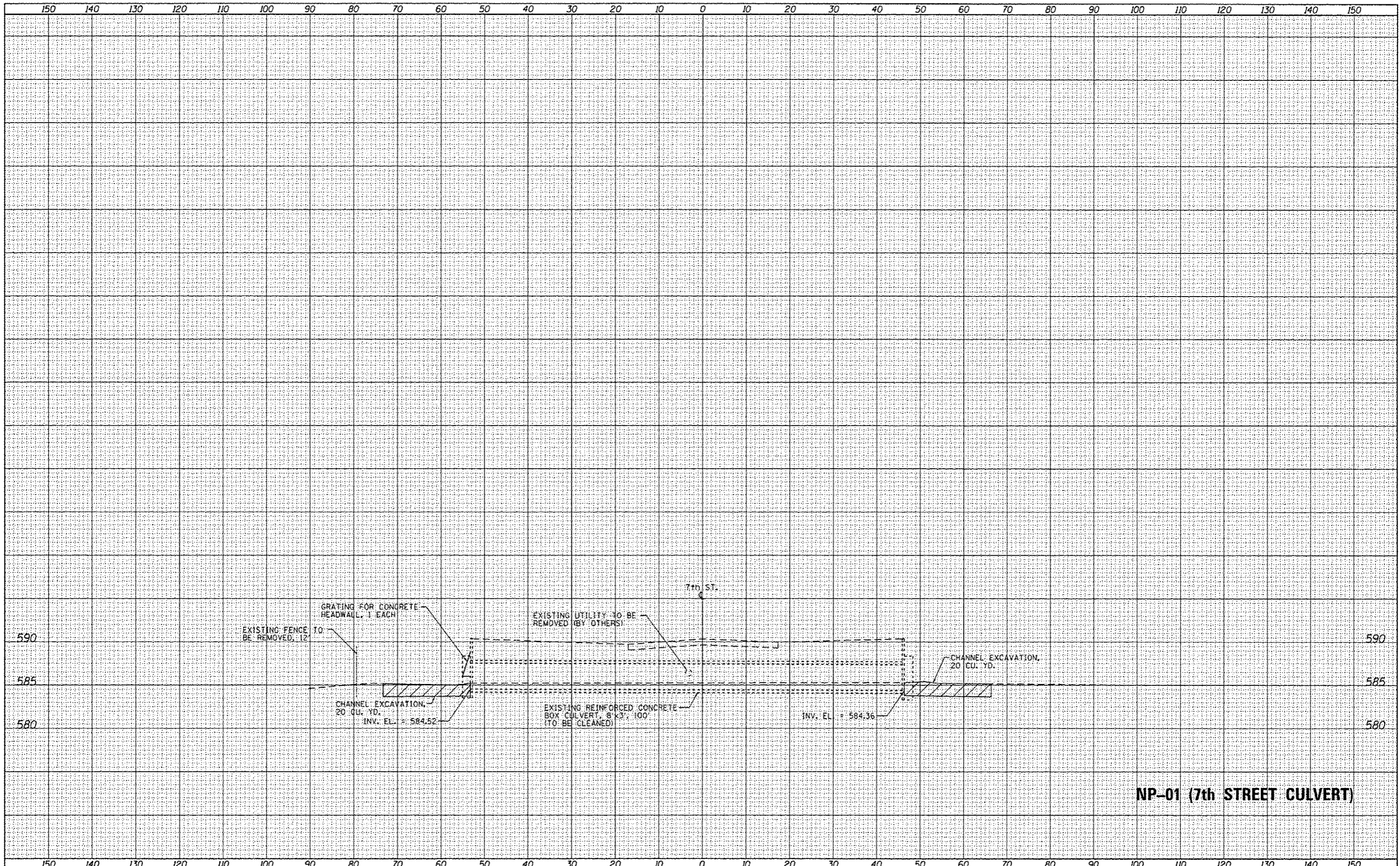
SCALE: SHEET OF SHEETS STA. TO STA.



FILE NAME *	USER NAME * Matt Overbay	DESIGNED - CPD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT LOCATION PLAN - ELEMENT 2 IDNR ILLINOIS BEACH STATE PARK				F.A.P. R.T.E. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
L:\11007\11866\8\WD.7\0-0\1\CA00.Sheets\NE-010.PLN. Culvert Ldgn		DRAWN - MJO	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	N/A	PARK ROADS	LAKE	60	23
Default		CHECKED - SPH	REVISED -		IDNR NO. 2-12-010	CONTRACT NO. 46250									
		PLOT DATE * 2/1/2013	REVISED -		ILLINOIS FED. AID PROJECT										

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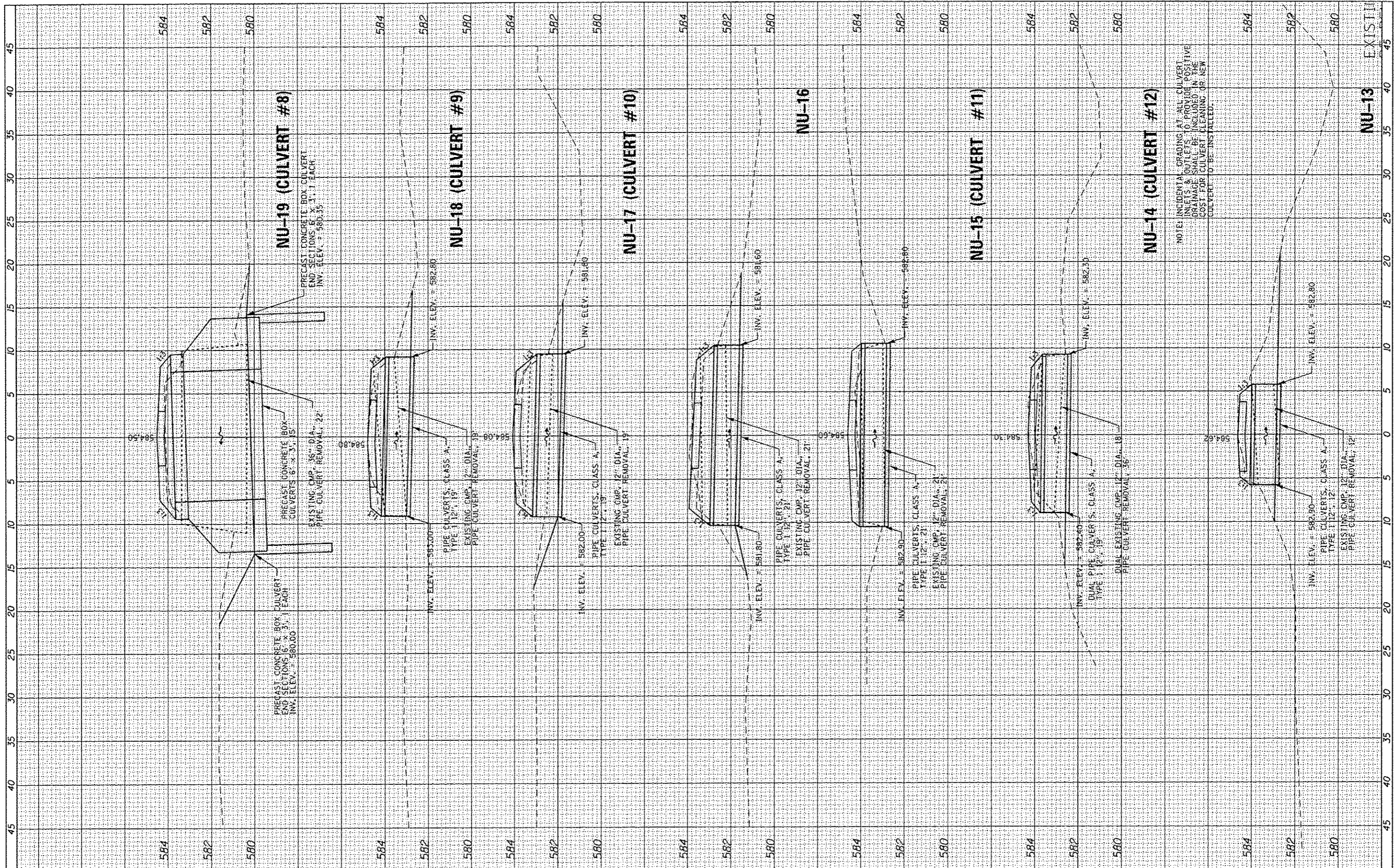


NP-01 (7th STREET CULVERT)

FILE NAME : L:\DDT\1186610\W0.7\Draw\CADD_Sheets\E2-XSHT	USER NAME : Matt Overbey	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT PROFILES - ELEMENT 2 IDNR ILLINOIS BEACH PARK SITE		F.A.P. RTE. N/A	SECTION PARK ROADS	COUNTY LAKE	TOTAL SHEETS 57	SHEET NO. 24	
XSHEET	PLOT SCALE : 20.0000 / in.	CHECKED - SPH	REVISED -		SCALE:	SHEET 1 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 46000				
	PLOT DATE : 2/1/2013	DATE - 2/1/2013	REVISED -		ILLINOIS FED. AID PROJECT							

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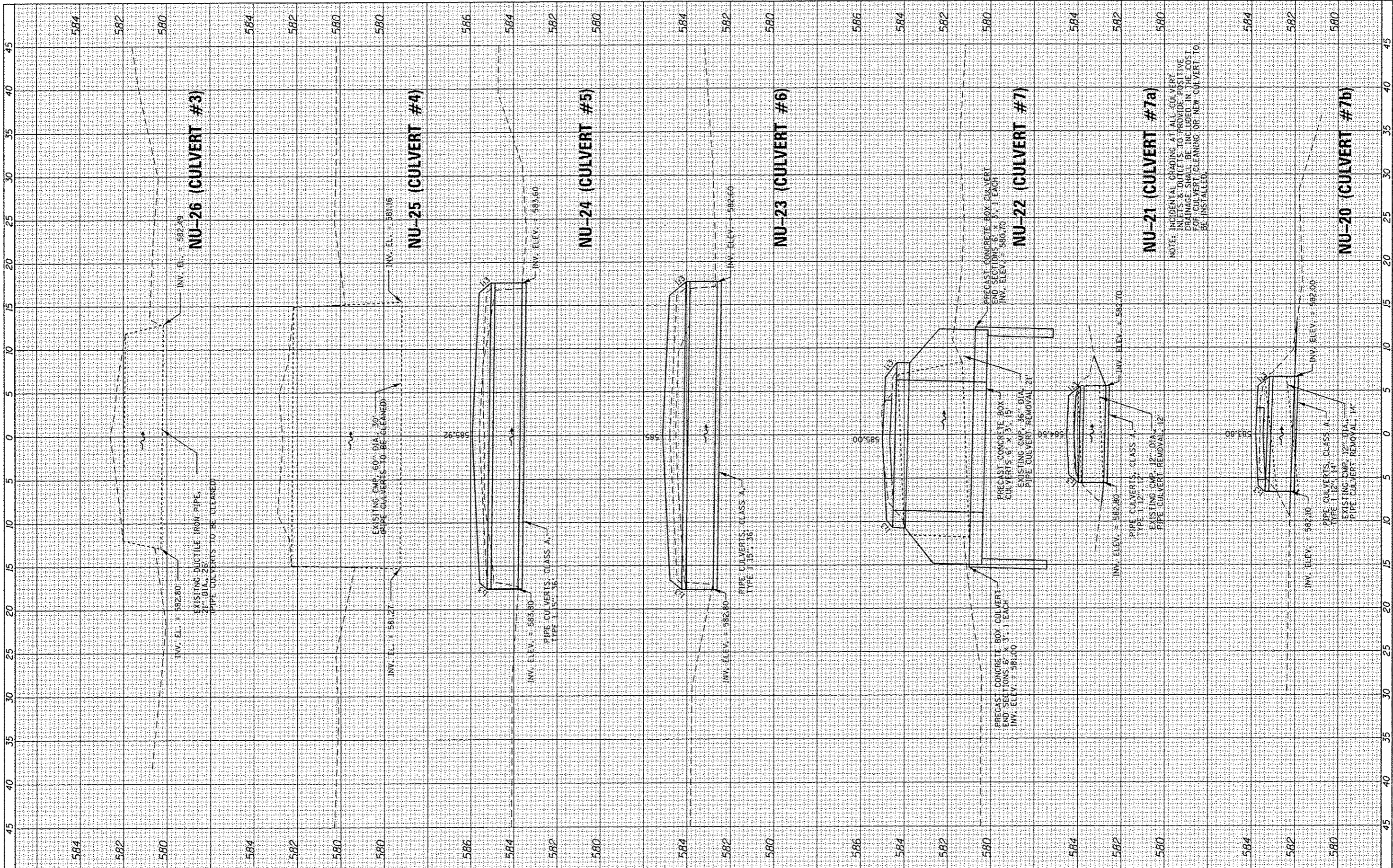
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FILE NAME : L:\1007\1106610\W0_7\Draw\CADD_Sheets\E2-XSSH1	USER NAME : Matt Overbay Culvert Profiles.dgn	DESIGNED - MJO DRAWN - MJO CHECKED - SPH DATE - 2/1/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		CULVERT PROFILES - ELEMENT 2 IDNR ILLINOIS BEACH PARK SITE		F.A.P. RTE. N/A	SECTION PARK ROADS	COUNTY LAKE	TOTAL SHEETS 60	SHEET NO. 25
Default	PLOT SCALE = 1/8" = 1'-0"	PLOT DATE = 2/1/2013		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 46000	

FINISHED	DATE
SURVEY	
APPROVED	
BY	
NOTE BOOK	
NO.	
AREAS CHECKED	

ORIGINAL	DATE
SURVEY	
APPROVED	
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NOTE BOOK	
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AREAS CHECKED	



FILE NAME =	USER NAME = Matt Overbay
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DRAWN - MJJ	REVISIONS -
CHECKED - SPH	REVISIONS -
DATE - 2/1/2013	REVISIONS -

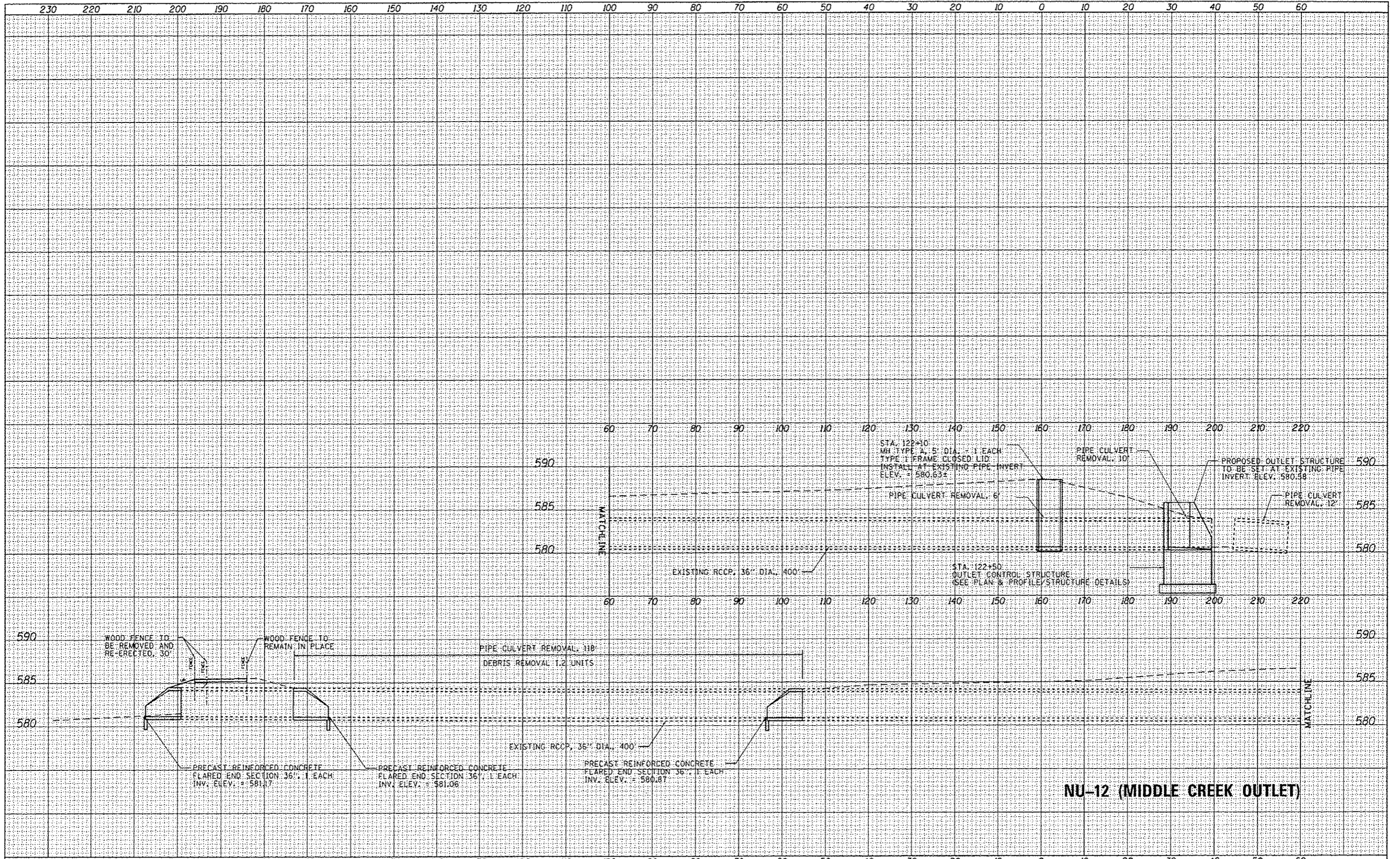
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT PROFILES - ELEMENT 2	
IDNR ILLINOIS BEACH PARK SITE	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	26
CONTRACT NO. 46000			ILLINOIS FED. AID PROJECT	

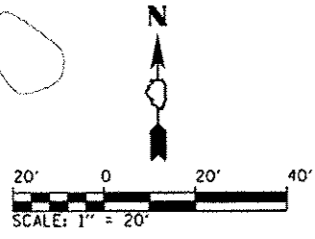
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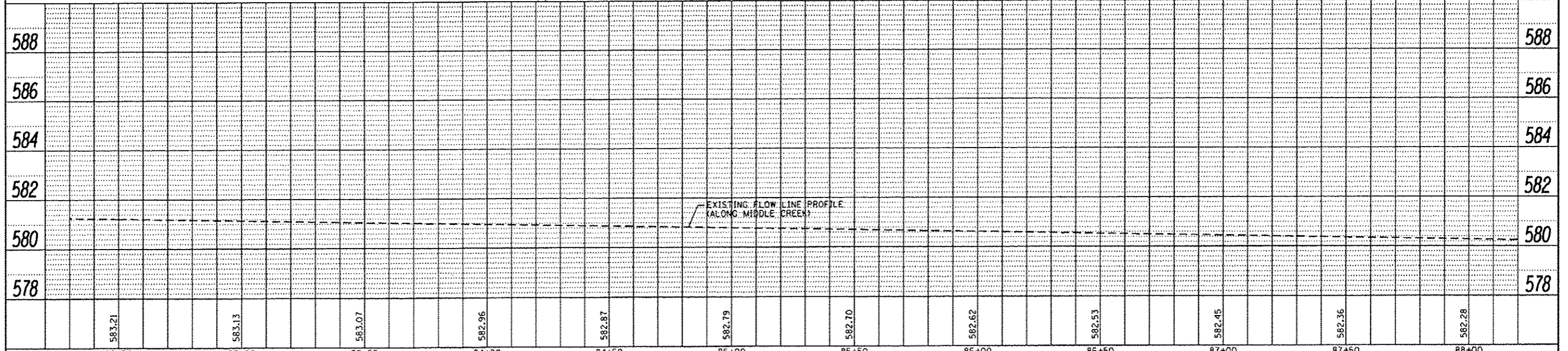
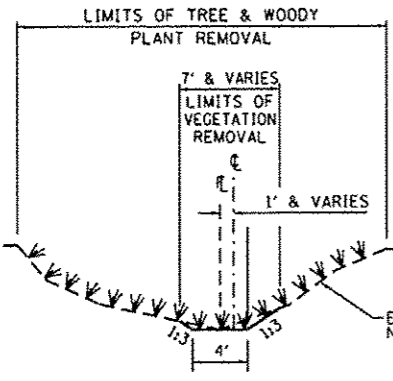
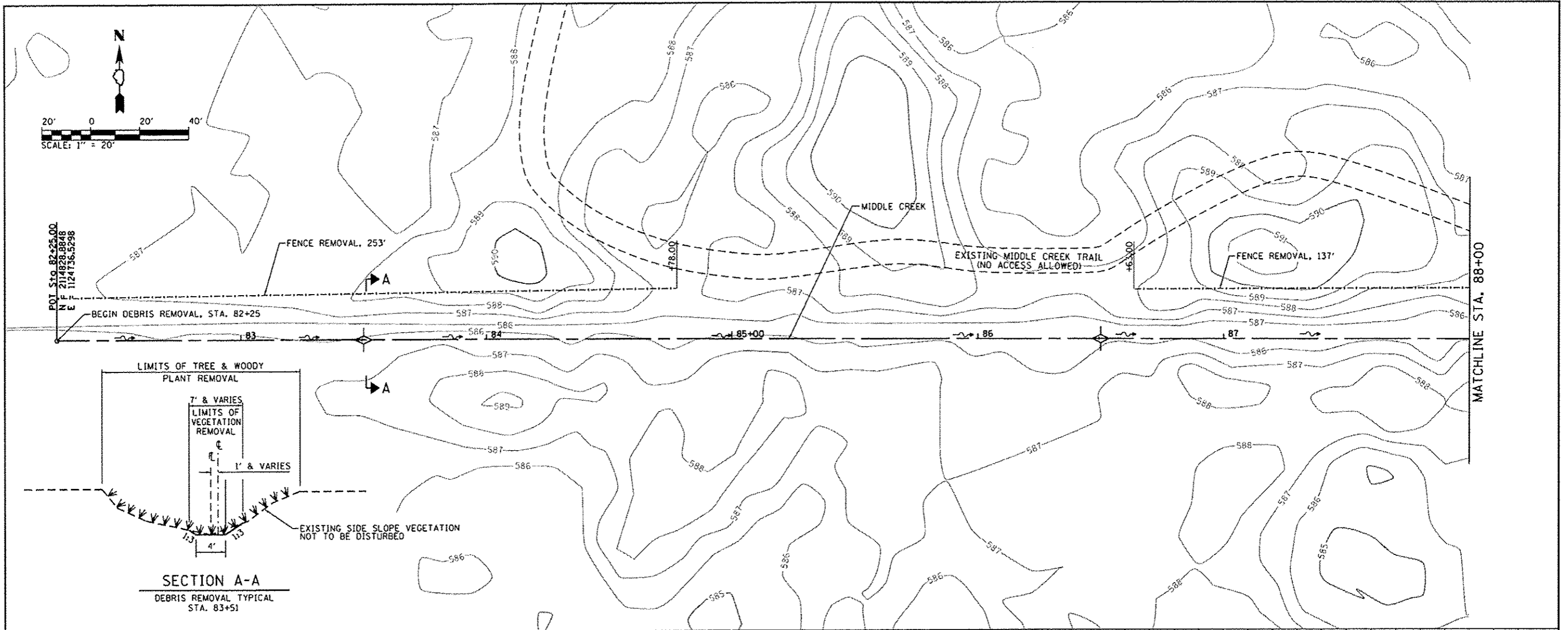
NU-12 (MIDDLE CREEK OUTLET)

FILE NAME : L:\1007\1106\1106\1106\1106\1106\CAD00_Sheets\12-KSHT	USER NAME : Matt Overbay	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT PROFILES - ELEMENT 2 IDNR ILLINOIS BEACH PARK SITE	F.A.P. RTE. N/A	SECTION PARK ROADS	COUNTY LAKE	TOTAL SHEETS 57	SHEET NO. 27	CONTRACT NO. 46000
KS_SHEET	PLOT SCALE : 20.0000" = 1' in.	CHECKED - SPH	REVISED -			SCALE:	SHEET OF SHEETS:	STA. TO STA.	<small>ILLINOIS FED. AID PROJECT</small>		
	PLOT DATE : 2/1/2013	DATE - 2/1/2013	REVISED -								



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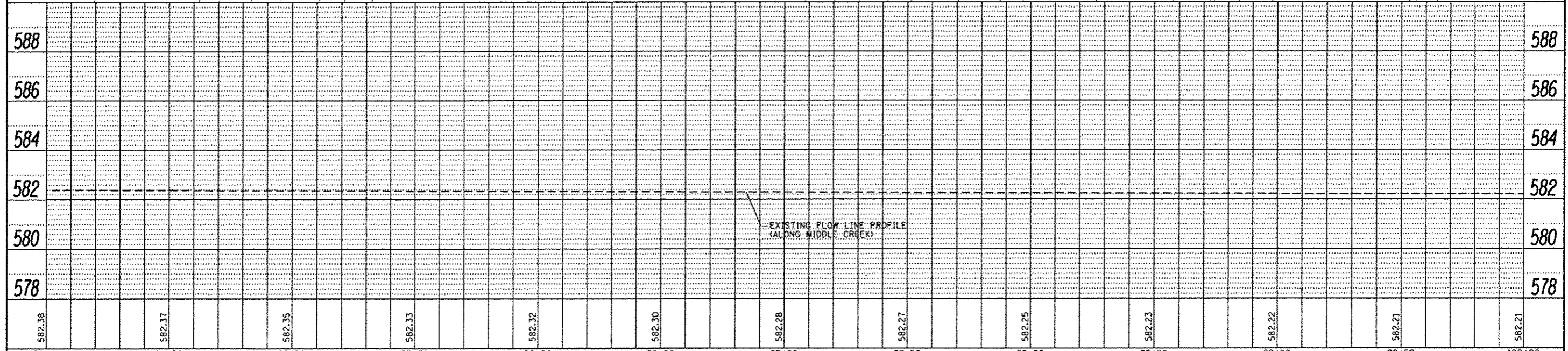
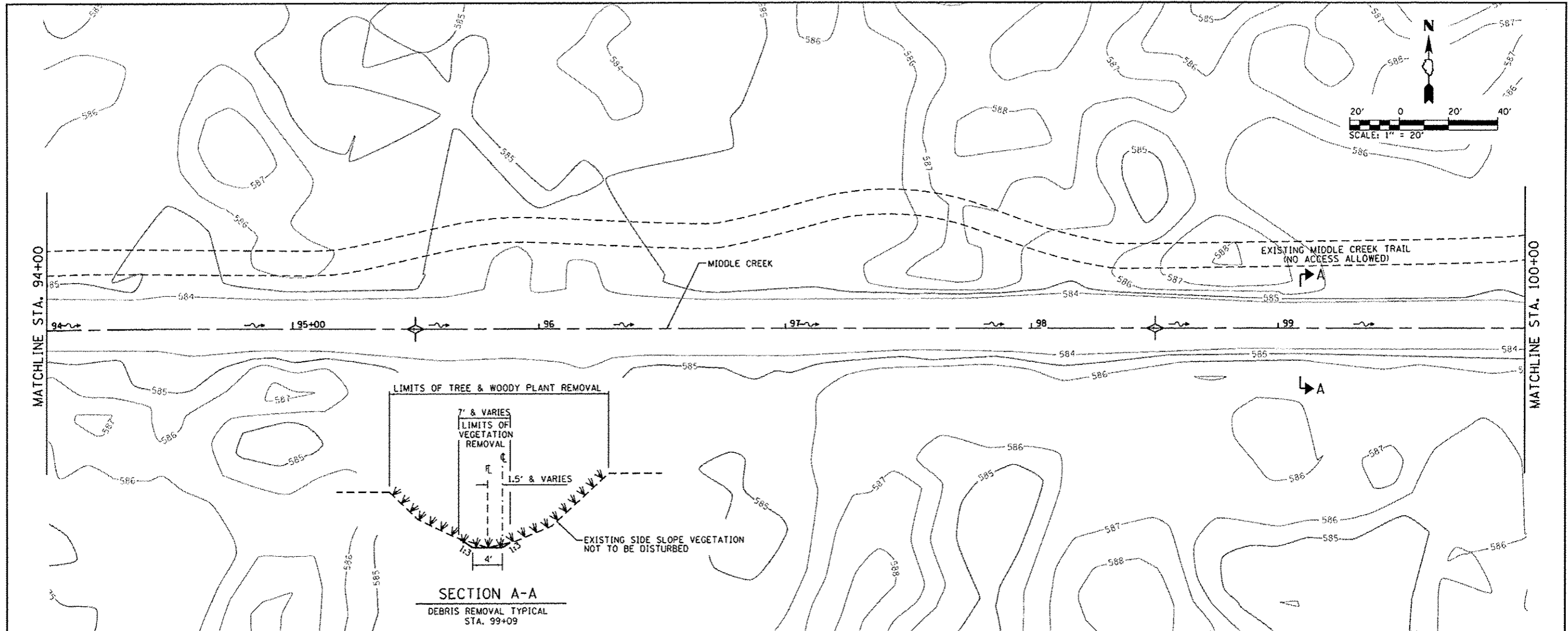
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PROJECT	
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FILE NAME	



FILE NAME	USER NAME	DESIGNED	REVISED	PLAN AND PROFILE - MIDDLE CREEK - ELEMENT 2		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\17007\1106818\10_7\0-00\CA00_Sheets\E2-01.PMP_MCK.dgn	Matt Overbay	MJO	MJO	IDNR ILLINOIS BEACH STATE PARK		N/A	PARK ROADS	LAKE	60	28
PLOT SCALE	CHECKED	REVISOR	DATE	SCALE: 1" = 7' SHEET OF SHEETS STA. TO STA.		IDNR NO. 2-12-010		CONTRACT NO. 46250		ILLINOIS FED. AID PROJECT
40,0000 / 1"	SPH		2/1/2013							

DATE	
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PROJ. NO.	
NOTE BOOK NO.	
FILE NAME	

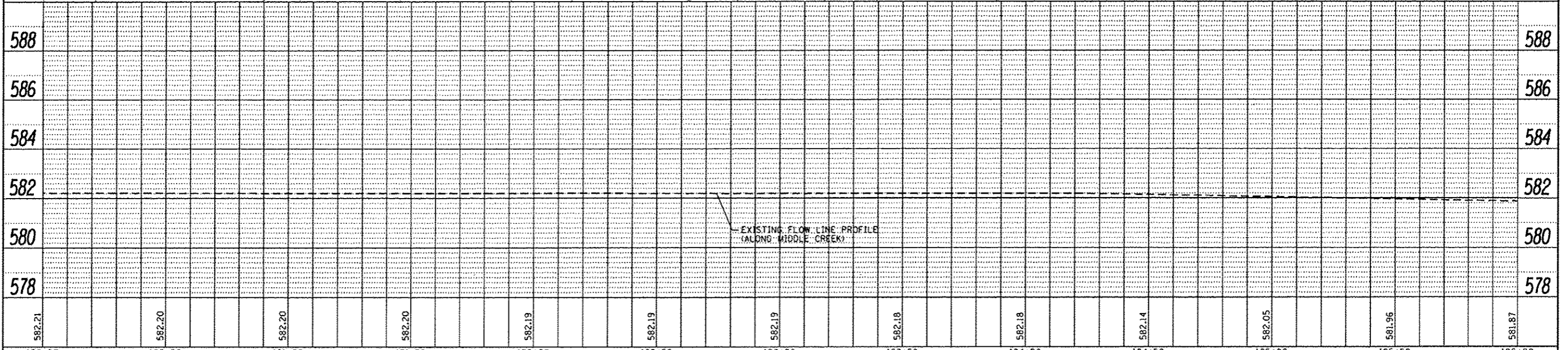
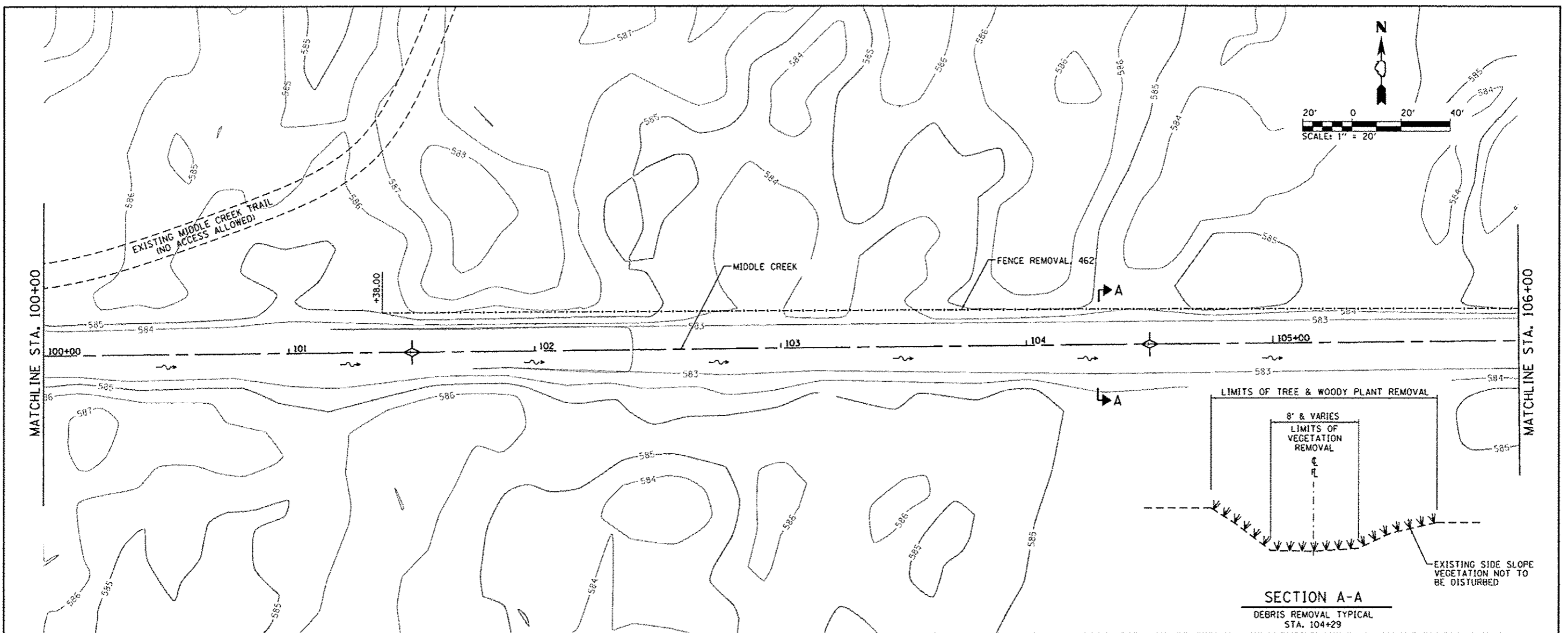
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NOTE BOOK NO.	
FILE NAME	



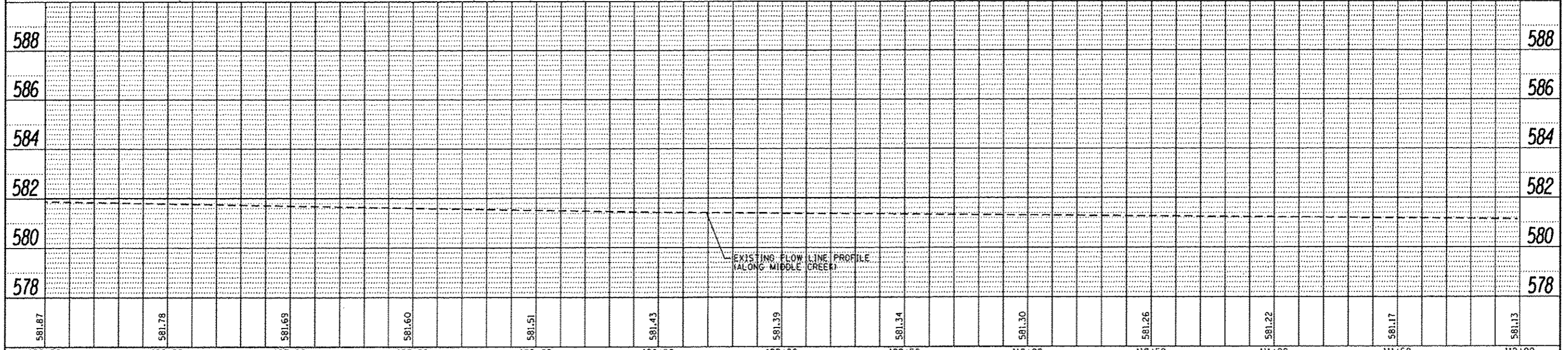
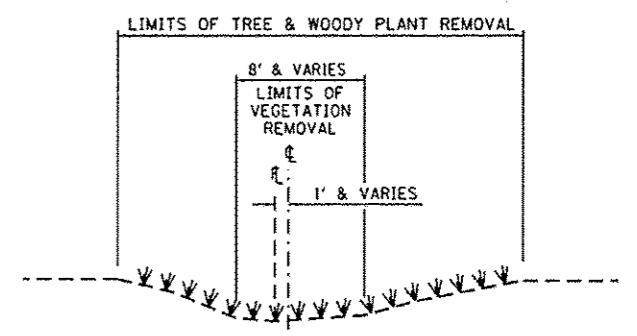
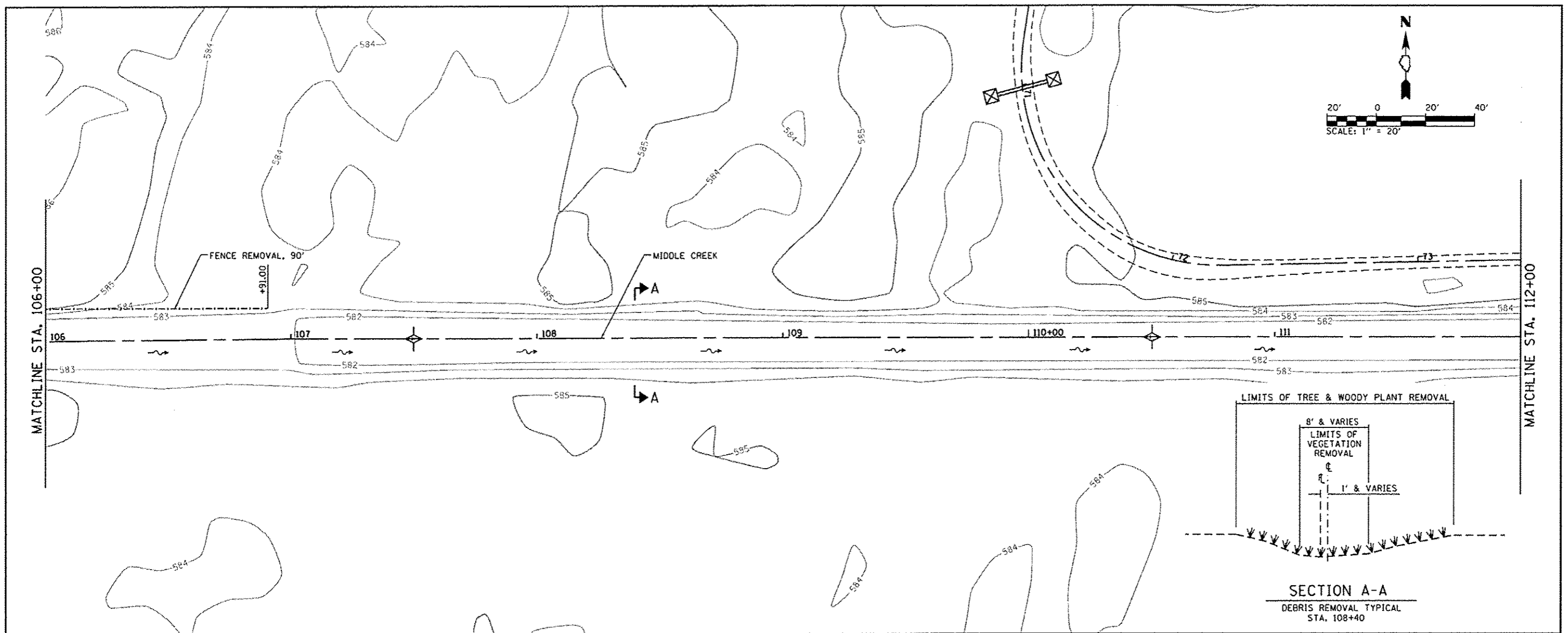
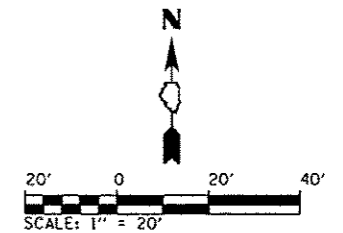
FILE NAME L:\11007\1106618\10_7\10-ar\CA00_Sheets\E2-03_P&P_H0C.dgn	USER NAME Matt Overbey	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - MIDDLE CREEK - ELEMENT 2 IDNR ILLINOIS BEACH STATE PARK			F.A.P. RTE. N/A	SECTION PARK ROADS	COUNTY LAKE	TOTAL SHEETS 60	SHEET NO. 30
PLOT SCALE 48,8000' / in.	CHECKED - SPH	REVISED -	REVISED -		SCALE:	SHEET 3 OF 7 SHEETS	STA.	TO STA.	IDNR NO. 2-12-010	CONTRACT NO. 46250	ILLINOIS FED. AID PROJECT	
PLOT DATE 2/1/2013	DATE 2/1/2013	REVISED -	REVISED -									

DATE	8/27
DESIGNED	MJO
DRAWN	MJO
CHECKED	SPH
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DATE	8/27
DESIGNED	MJO
DRAWN	MJO
CHECKED	SPH
DATE	2/1/2013
REVISIONS	
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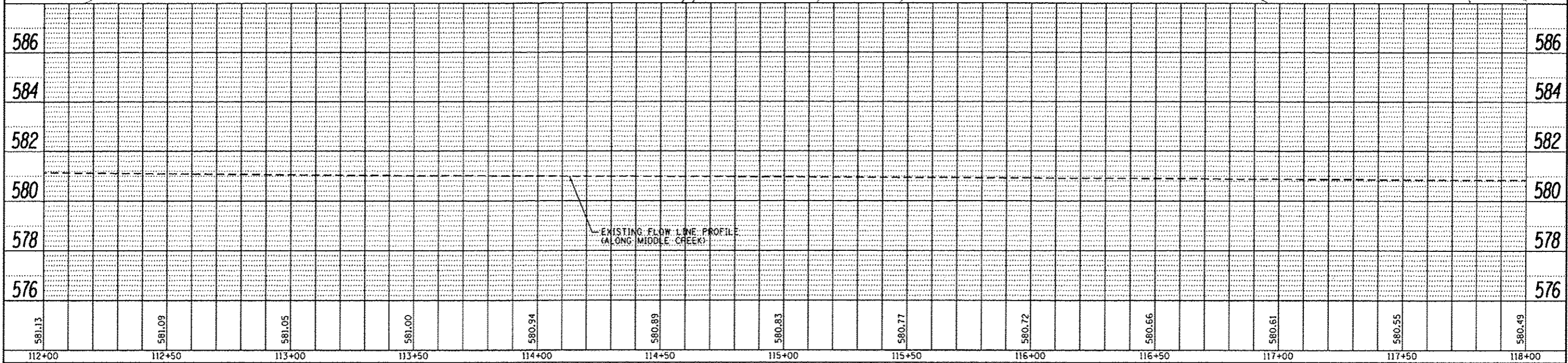
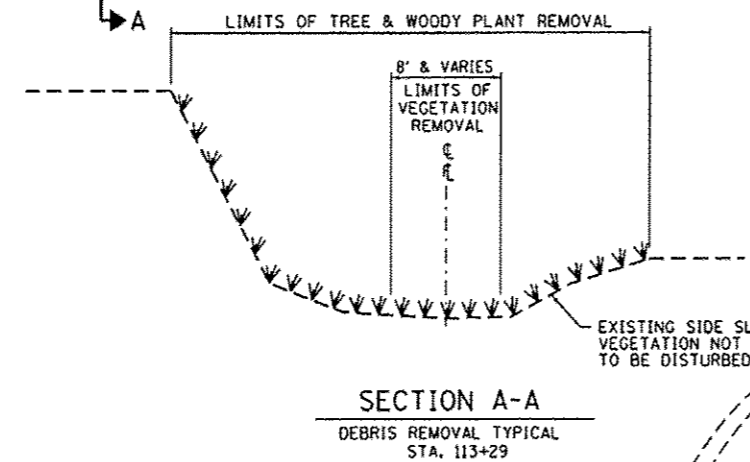
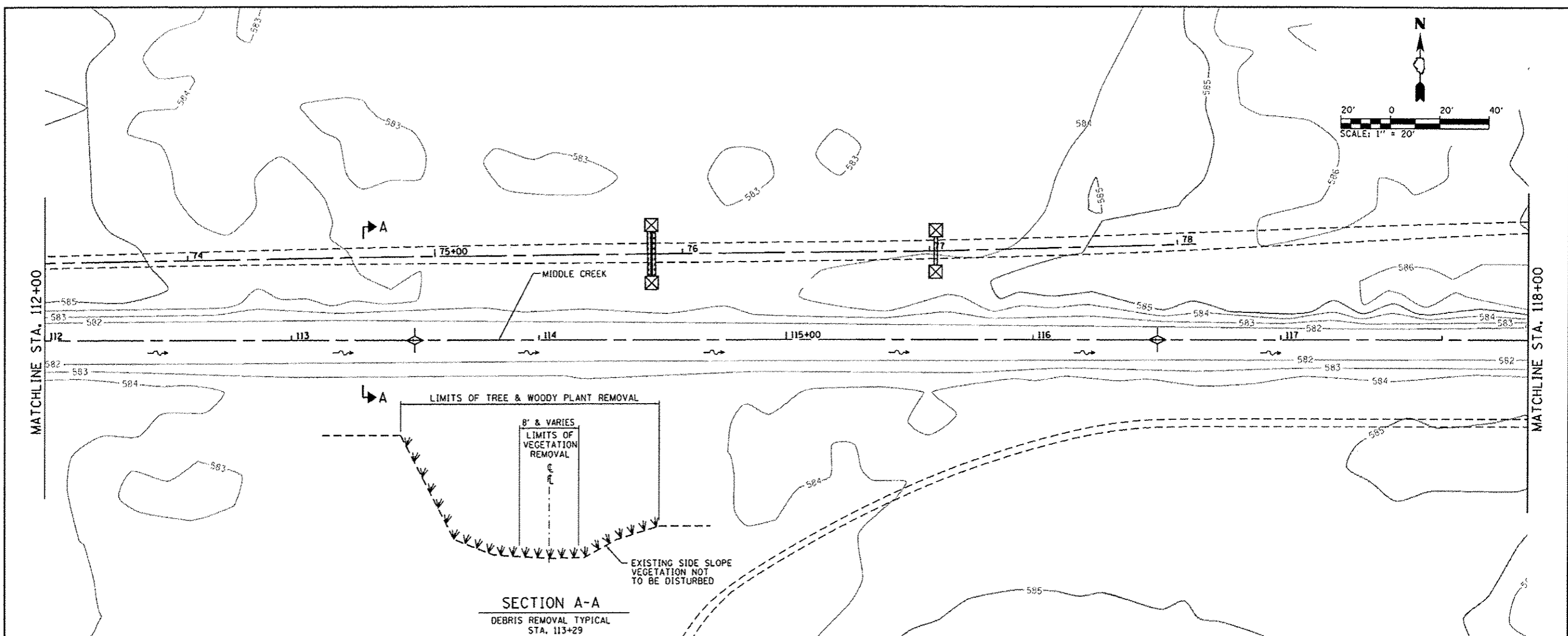
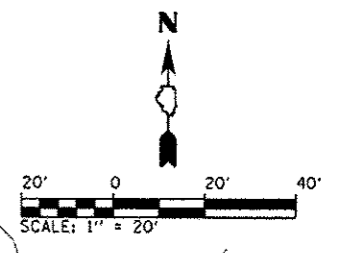
FILE NAME: L:\100T\1186618\WG.7\00a\1CADD_Sheets\12-11-13\12-11-13_P104.PHP_MCK.dgn	USER NAME: Matt Overbay	DESIGNED: MJO	REVISIONS:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - MIDDLE CREEK - ELEMENT 2 IDNR ILLINOIS BEACH STATE PARK	F.A.P. RTE: N/A	SECTION: PARK ROADS	COUNTY: LAKE	TOTAL SHEETS: 60	SHEET NO.: 31
PLOT SCALE: 40.0000 / in.	CHECKED: SPH	DATE: 2/1/2013	REVISIONS:	SCALE: SHEET 4 OF 7 SHEETS	STA. TO STA.	CONTRACT NO. 46250	ILLINOIS FED. AID PROJECT			



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FILE NAME	BT

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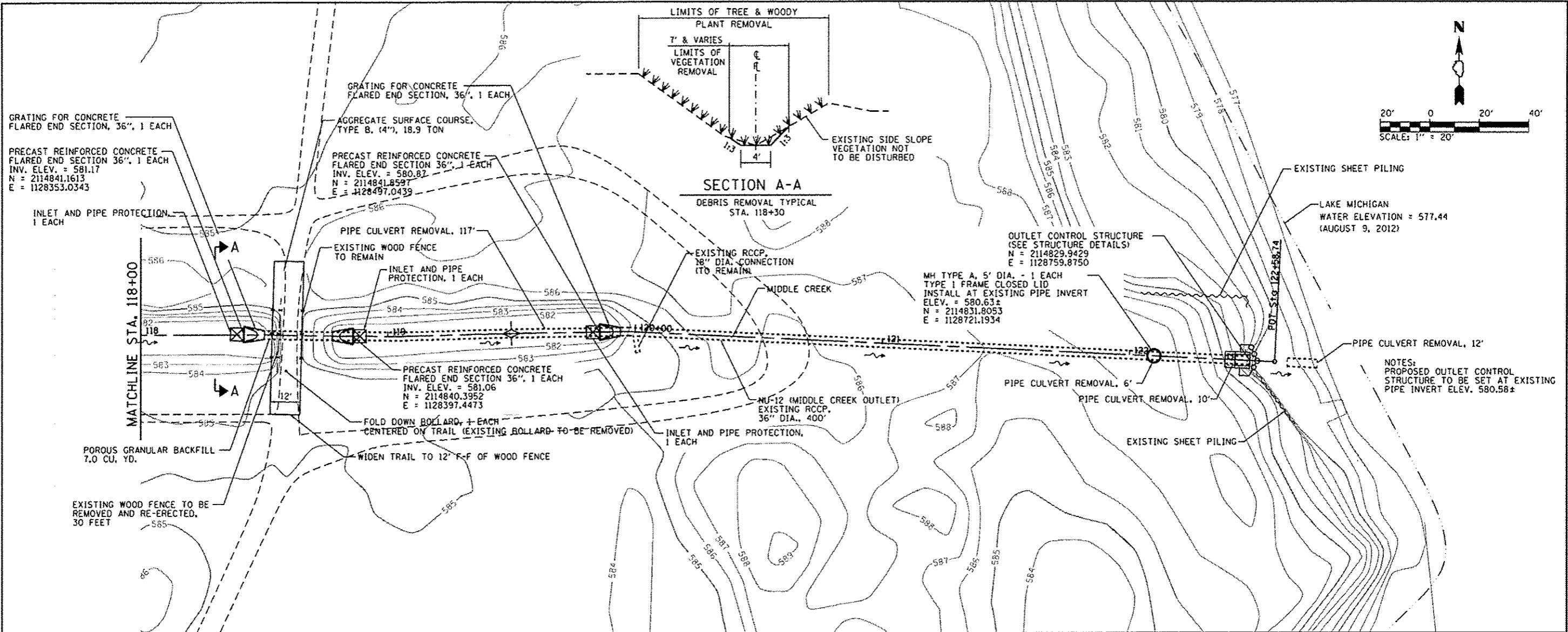
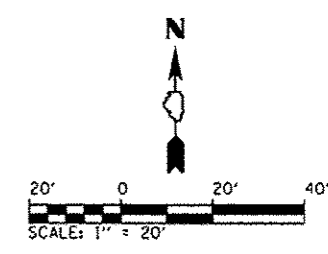
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L:\107\1106218\W2_7\Draw\CA00_Sheets\E2-05_PMP_MCK.dgn	Matt Overbey	MJO	-	DEPARTMENT OF TRANSPORTATION	N/A	PARK ROADS	LAKE	60	32
Plot Scale: 48,000' / in.	Plot Date: 2/1/2013	Checked: SPH	Revised: -			IDNR NO. 2-12-010	CONTRACT NO. 46250		
		Date: 2/1/2013	Revised: -		SCALE: SHEET 5 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		



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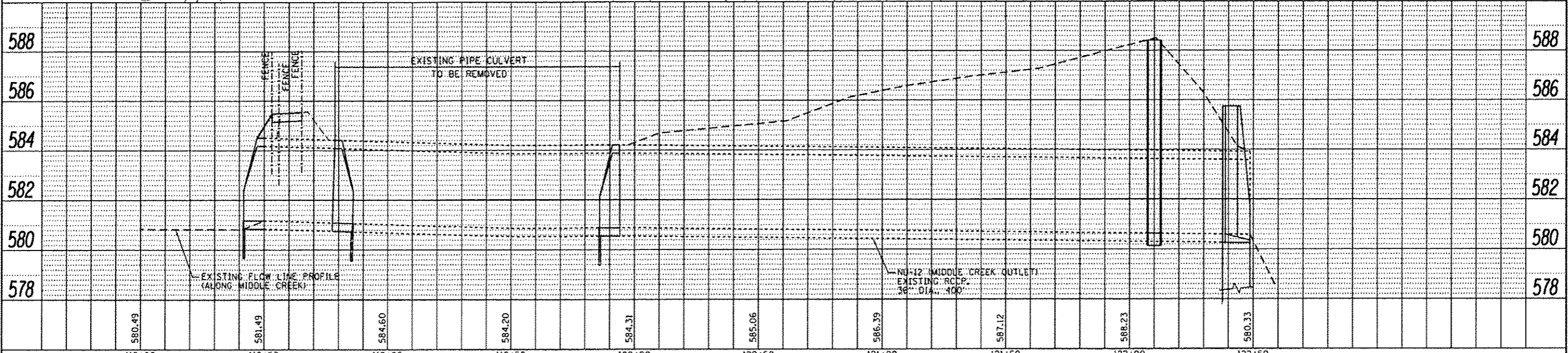
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PLOT SCALE: 40,0000 1/ in.	CHECKED - SPH	REVISED -		SCALE:	SHEET 6 OF 7 SHEETS	STA. TO STA.	N/A	PARK ROADS	LAKE	60	33
PLOT DATE: 2/1/2013	DATE - 2/1/2013	REVISED -					IDNR NO. 2-12-010		CONTRACT NO. 46250		
							ILLINOIS FED. AID PROJECT				

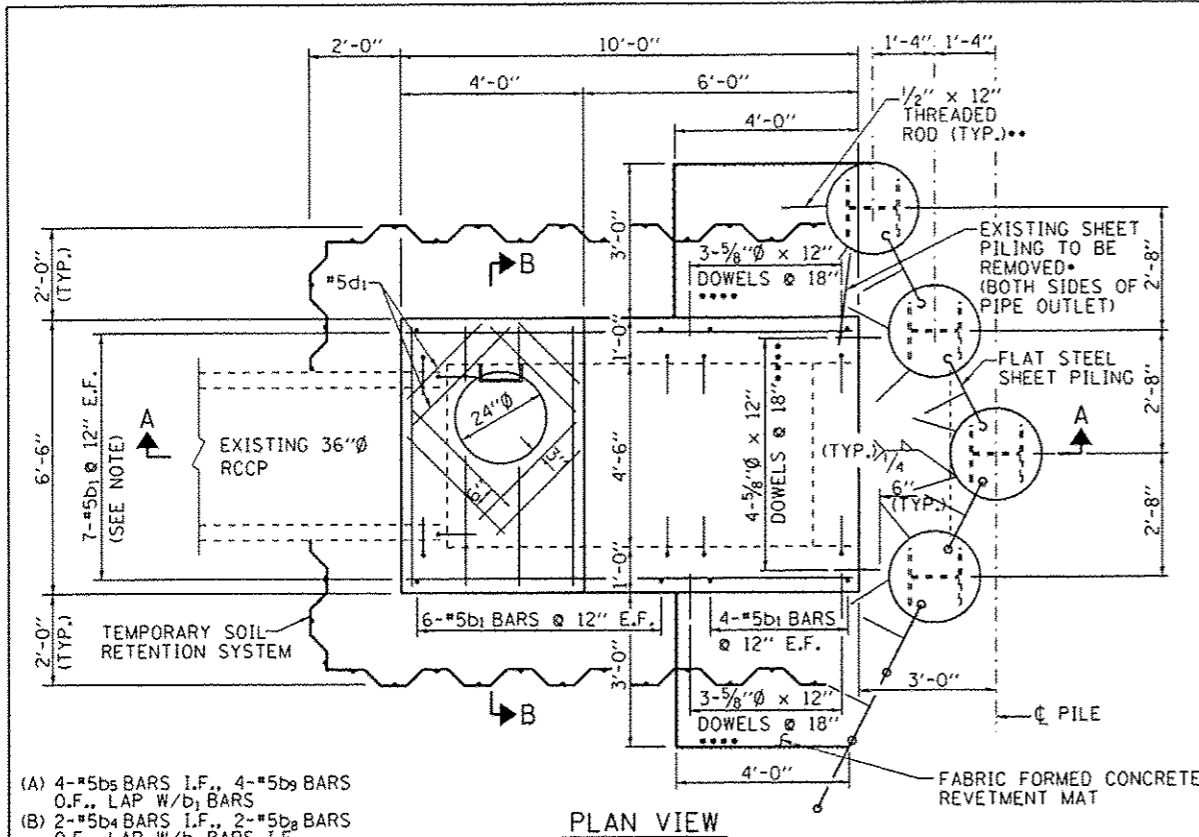


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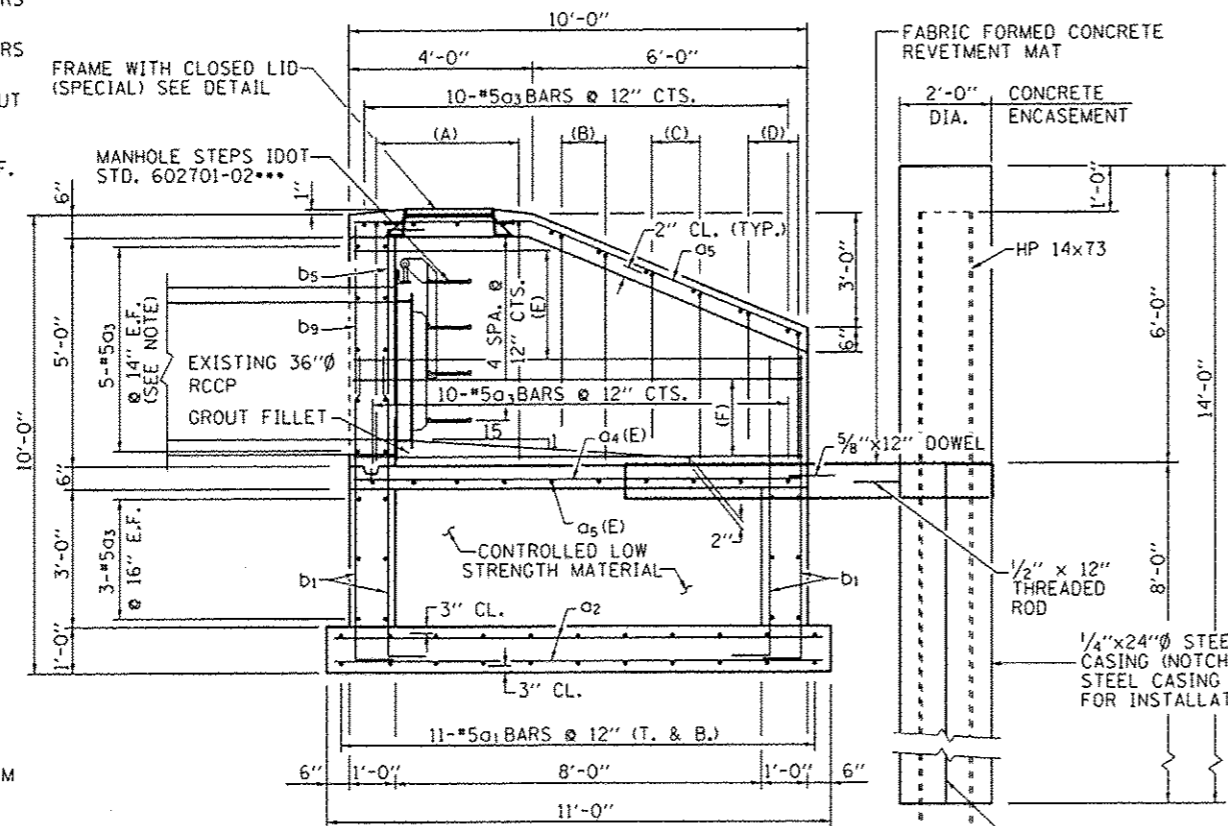
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L:\1001\1186618\MO_7\Draw\CADD_Sheets\E2-07_PMP_HCK.dgn	Matt Overbay	MJO	MJO	DEPARTMENT OF TRANSPORTATION		IDNR ILLINOIS BEACH STATE PARK		N/A	PARK ROADS	LAKE	60	34
Default	PLOT SCALE	CHECKED	DATE	REVISED	SCALE:	SHEET	TO STA.	IDNR NO. 2-12-010 CONTRACT NO. 46250				
	40,0000 / 1 in.	SPH	2/1/2013		7 OF 7 SHEETS	STA.		ILLINOIS FED. AID PROJECT				



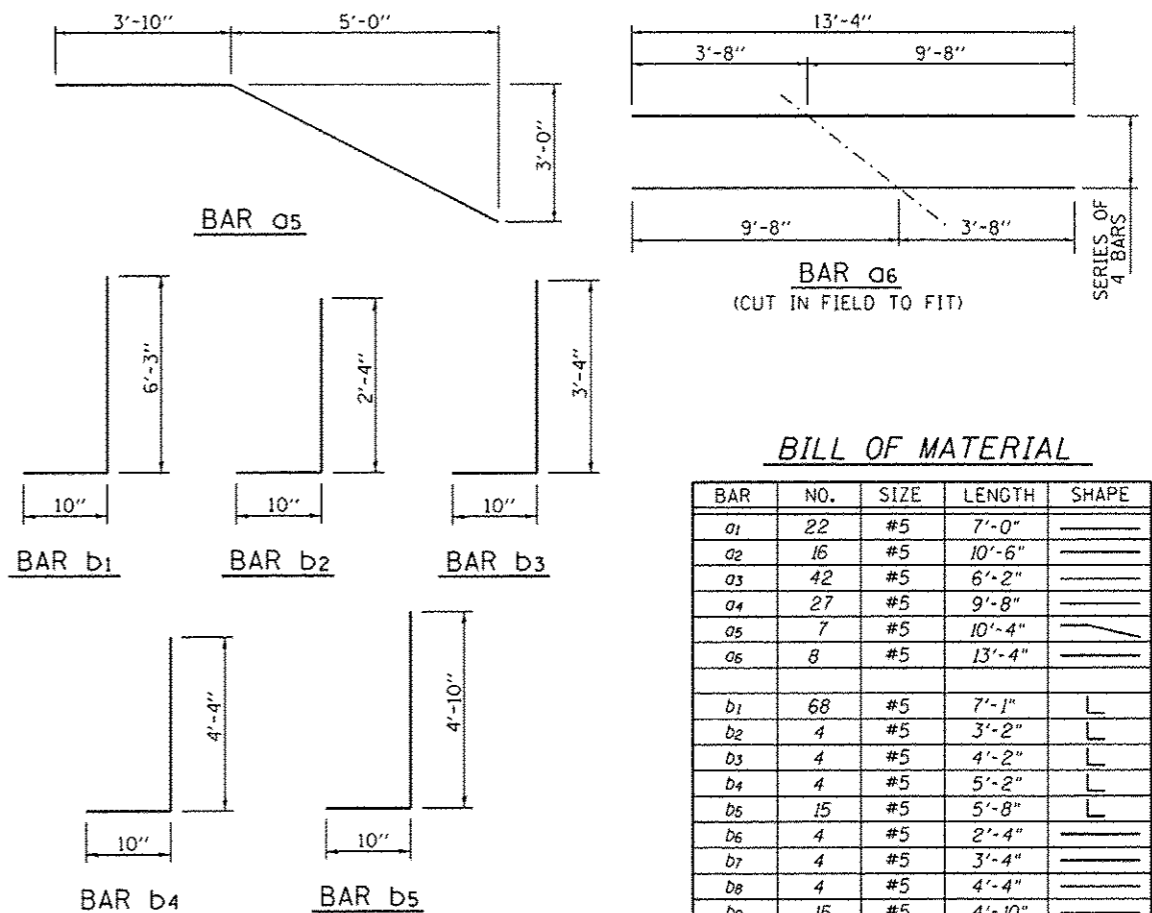
PLAN VIEW

- (A) 4-#5_{b5} BARS I.F., 4-#5_{b9} BARS O.F., LAP W/_{b1} BARS
- (B) 2-#5_{b4} BARS I.F., 2-#5_{b8} BARS O.F., LAP W/_{b1} BARS I.F.
- (C) 2-#5_{b3} BARS I.F., 2-#5_{b7} BARS O.F., LAP W/_{b1} BARS
- (D) 2-#5_{b2} BARS I.F., 2-#5_{b6} BARS O.F., LAP W/_{b1} BARS
- (E) 4-#5_{a6} BARS @ 12" CTS. (CUT TO FIT USE REMAINDER IN OPPOSITE FACE)
- (F) 2-#5_{a4} BARS @ 12" CTS. E.F.

* COST TO REMOVE EXISTING SHEET PILING TO BE INCLUDED WITH THE PAY ITEM STRUCTURE EXCAVATION
 ** COST OF THREADED RODS TO BE INCLUDED WITH THE PAY ITEM PERMANENT CASING
 *** COST OF MANHOLE STEPS, GROUT AND PVC WATERSTOP TO BE INCLUDED WITH THE PAY ITEM CONCRETE STRUCTURES
 **** COST OF 5/8" Ø DOWELS INCLUDED IN THE PAY ITEM FABRIC FORMED CONCRETE REVETMENT MAT.



SECTION A-A



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a1	22	#5	7'-0"	—
a2	16	#5	10'-6"	—
a3	42	#5	6'-2"	—
a4	27	#5	9'-8"	—
a5	7	#5	10'-4"	—
a6	8	#5	13'-4"	—
b1	68	#5	7'-1"	L
b2	4	#5	3'-2"	L
b3	4	#5	4'-2"	L
b4	4	#5	5'-2"	L
b5	15	#5	5'-8"	L
b6	4	#5	2'-4"	—
b7	4	#5	3'-4"	—
b8	4	#5	4'-4"	—
b9	15	#5	4'-10"	—
d1	8	#5	2'-6"	—
STRUCTURE EXCAVATION CU. YD. 66				
REINFORCEMENT BARS POUND 1850				
CONTROLLED LOW STRENGTH MATERIAL CU. YD. 4				
CONCRETE STRUCTURES CU. YD. 12.3				
CONCRETE ENCASEMENT CU. YD. 6.5				
PERMANENT CASING FOOT 56				
PERMANENT STEEL SHEET PILING SQ. FT. 80				
FABRIC FORMED CONCRETE REVETMENT MAT SQ. YD. 9				
FLAP GATE (SPECIAL) EACH 1				
FRAME WITH CLOSED LID (SPECIAL) EACH 1				
FURNISHING STEEL PILES, HP14X73 FOOT 144				
DRIVING PILES FOOT 124				
TEMPORARY SOIL RETENTION SYSTEM SQ. FT. 345				

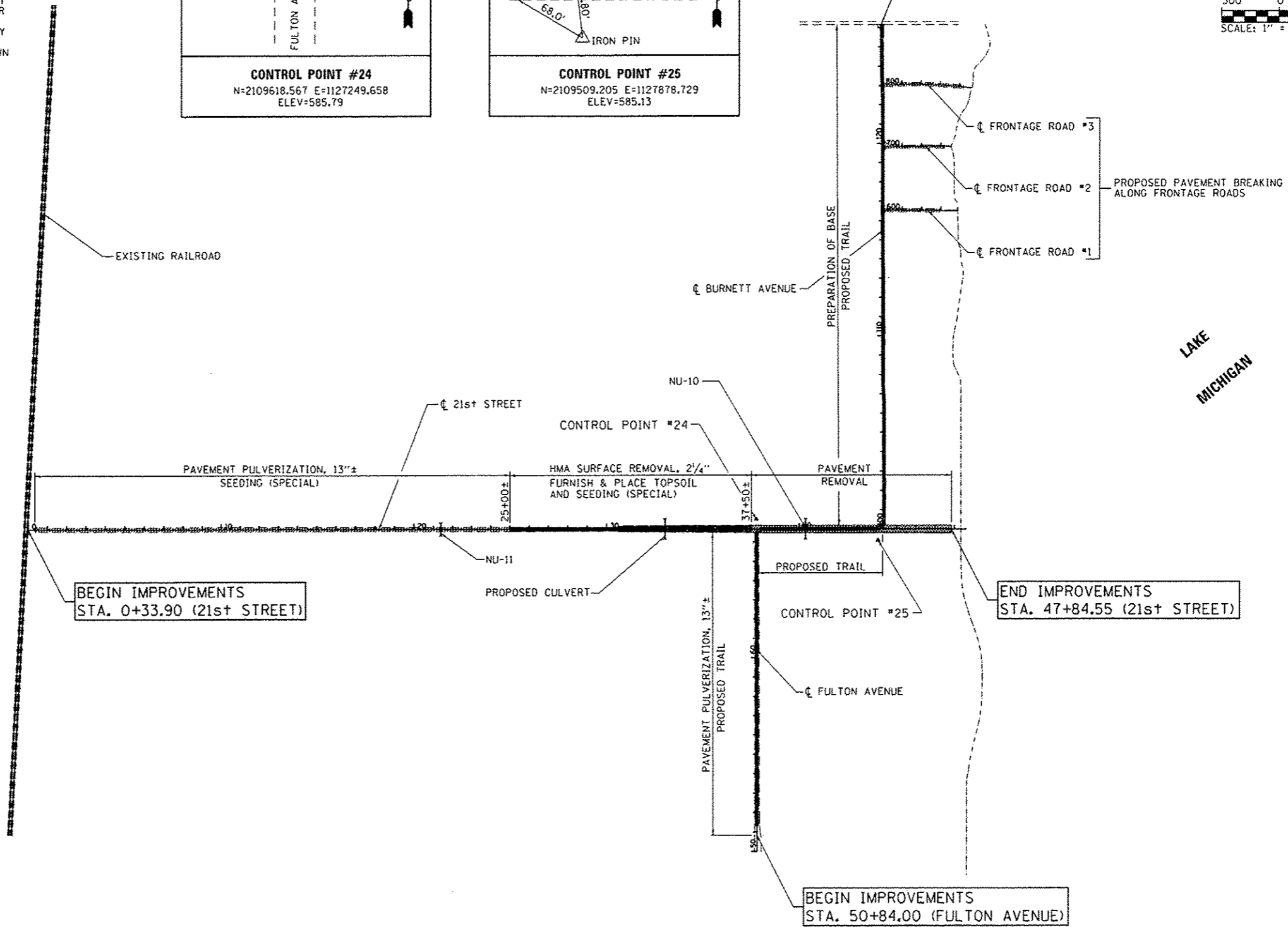
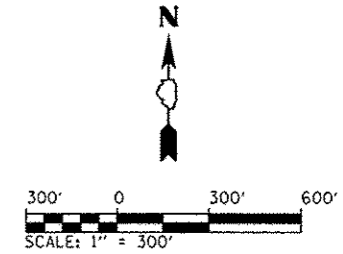
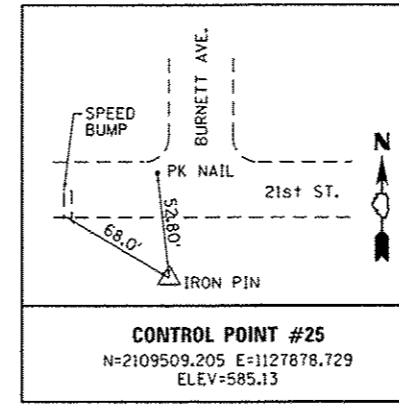
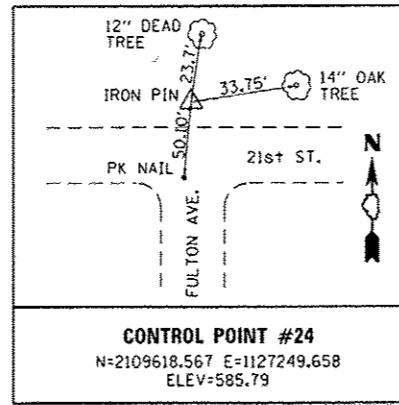
MINIMUM LAP LENGTH

#5 BAR = 1'-11"

- NOTES:
 1. CUT BARS AROUND STORM SEWER PIPE AND MANHOLE TO PROPER INSTALLATION AND 1/2" CLEAR.
 2. SEE OUT STRUCTURE SPECIAL PROVISIONS FOR WATERSTOP REQUIREMENTS.

NOTES:

1. THE CONTRACTOR SHALL BE REQUIRED TO STAY WITHIN THE CONSTRUCTION LIMITS SHOWN AND IS STRICTLY PROHIBITED FROM ENCROACHMENT INTO ADJACENT WETLAND AND NATURE PRESERVE AREAS. THIS INCLUDES ALL VEHICLE PARKING, EQUIPMENT, MATERIALS AND PERSONNEL REQUIRED FOR THE WORK.
2. ANY CLEARING, TREE REMOVAL OR TREE PRUNING REQUIRED ALONG THE ROADWAY CORRIDORS TO ACCOMMODATE EQUIPMENT PERFORMING THE PROPOSED PAVEMENT OPERATIONS SHALL BE ALLOWED BY THE CONTRACTOR. COST FOR THIS WORK SHALL BE CONSIDERED INCLUDED IN THE PERFORMED PAVEMENT OPERATION.
3. PAVEMENT PULVERIZATION, HMA SURFACE REMOVAL, PAVEMENT REMOVAL AND PAVEMENT BREAKING SHALL BE COMPLETED FOR THE RESPECTIVE AREAS SHOWN ON THE PLANS AND TYPICAL SECTIONS. THE PROPOSED OPERATION AT EACH LOCATION MAY BE MODIFIED BY THE ENGINEER IF DIFFERING EXISTING PAVEMENT STRUCTURES ARE ENCOUNTERED FROM THOSE SHOWN ON THE PLANS.

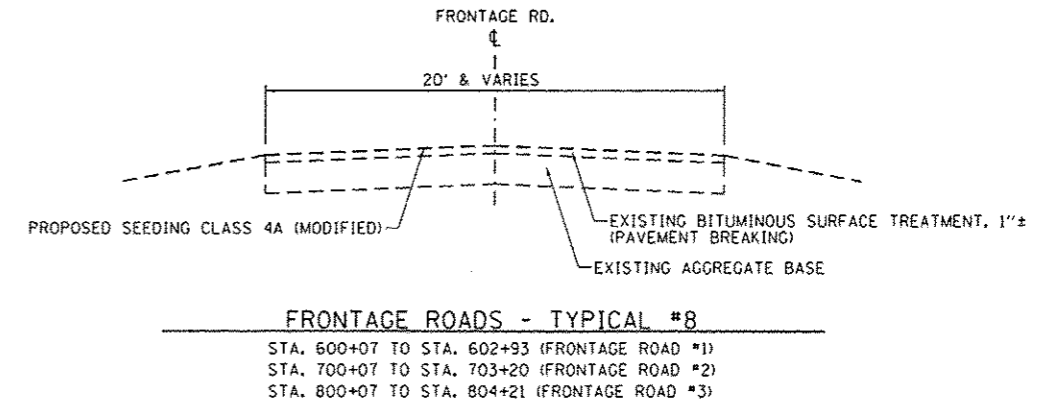
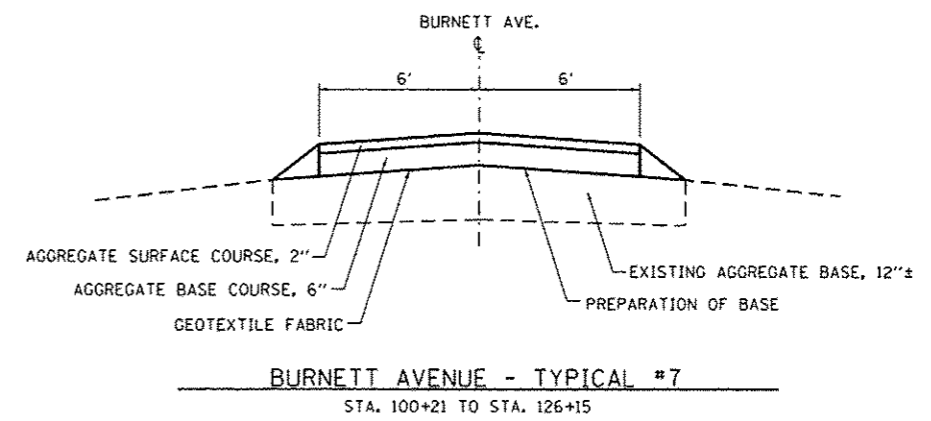
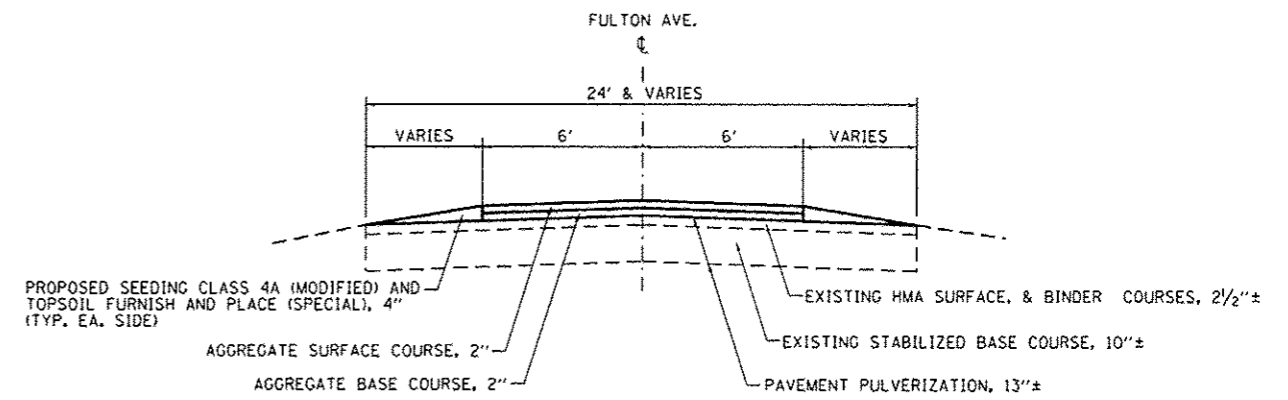
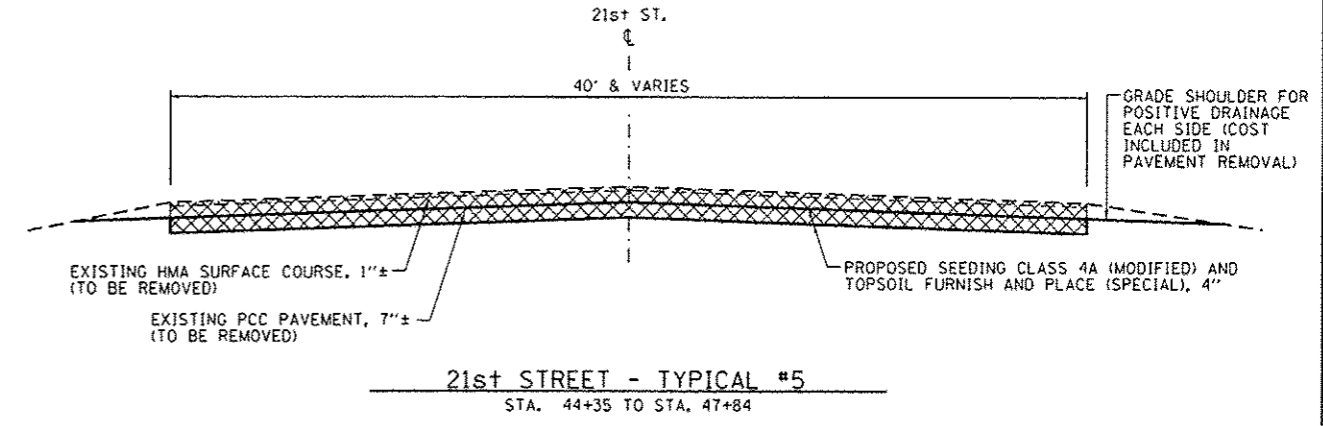
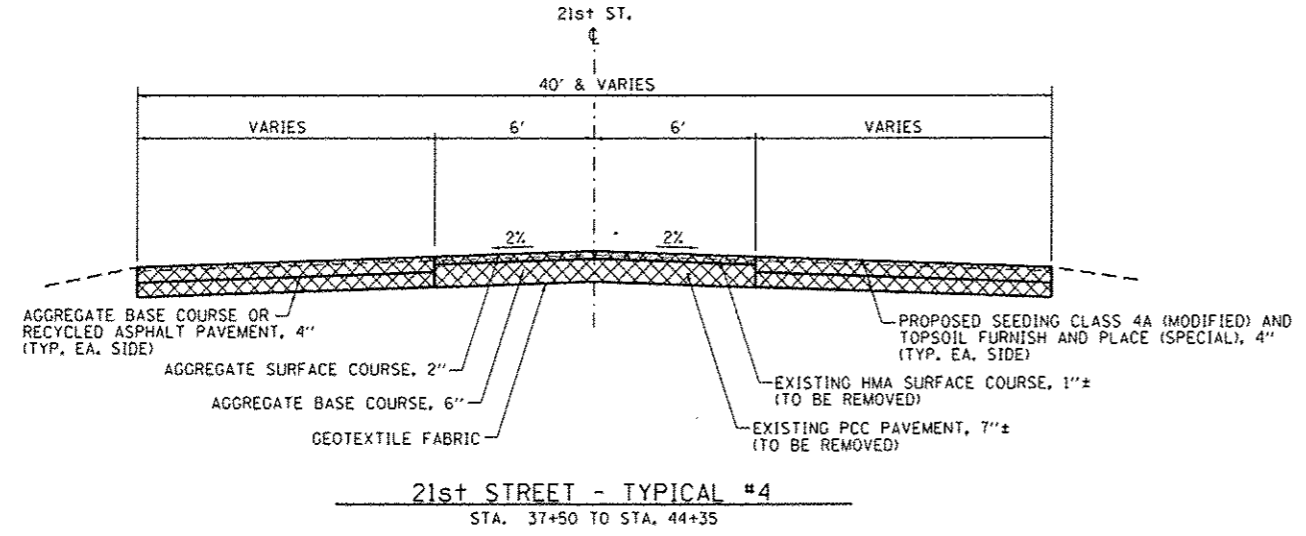
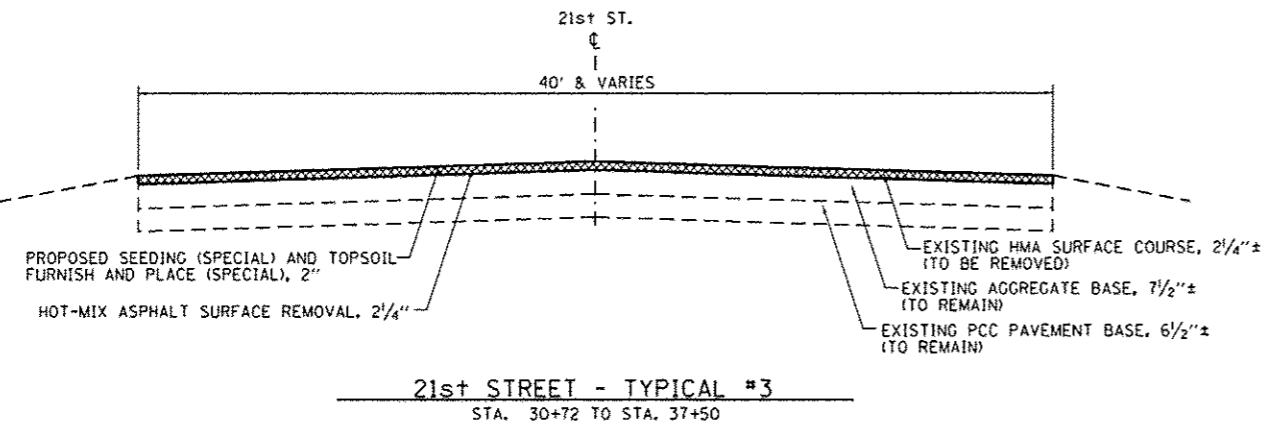
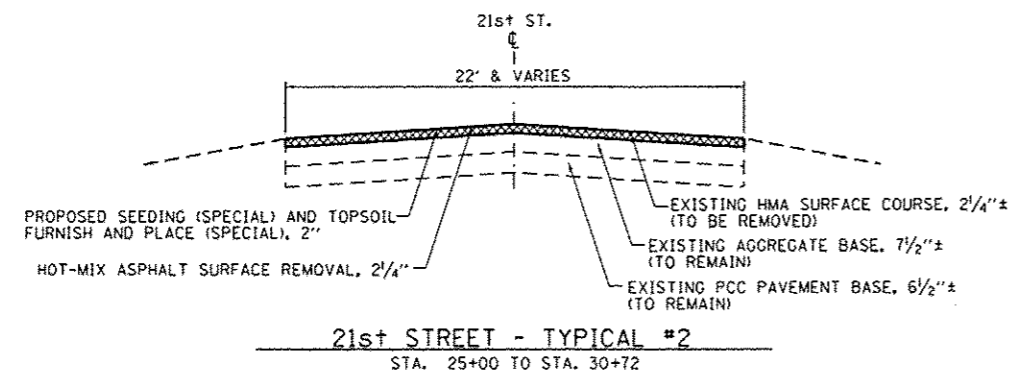
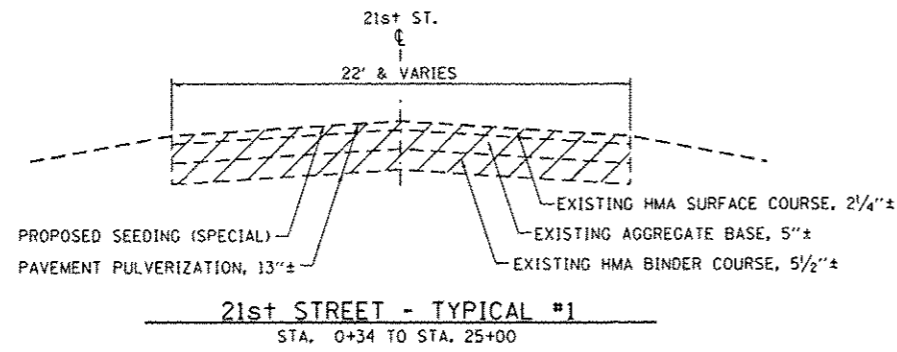


FILE NAME :	USER NAME :	DESIGNED -	REVISED -
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		MJO	
	PLOT SCALE = 600.0000 1/1 in.	CHECKED -	REVISED -
		SPH	
	PLOT DATE = 2/1/2013	DATE -	REVISED -
		2/1/2013	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SITE PLAN - ELEMENT 3
IDNR ILLINOIS BEACH STATE PARK**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	36
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				



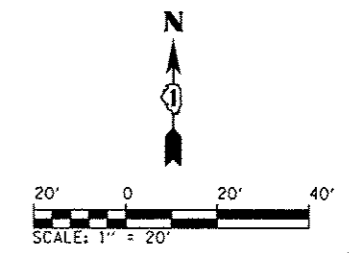
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	PLOT DATE = 2/1/2013	DATE - 2/1/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS & PAVEMENT STRUCTURE DETAILS
IDNR ILLINOIS BEACH PARK SITE

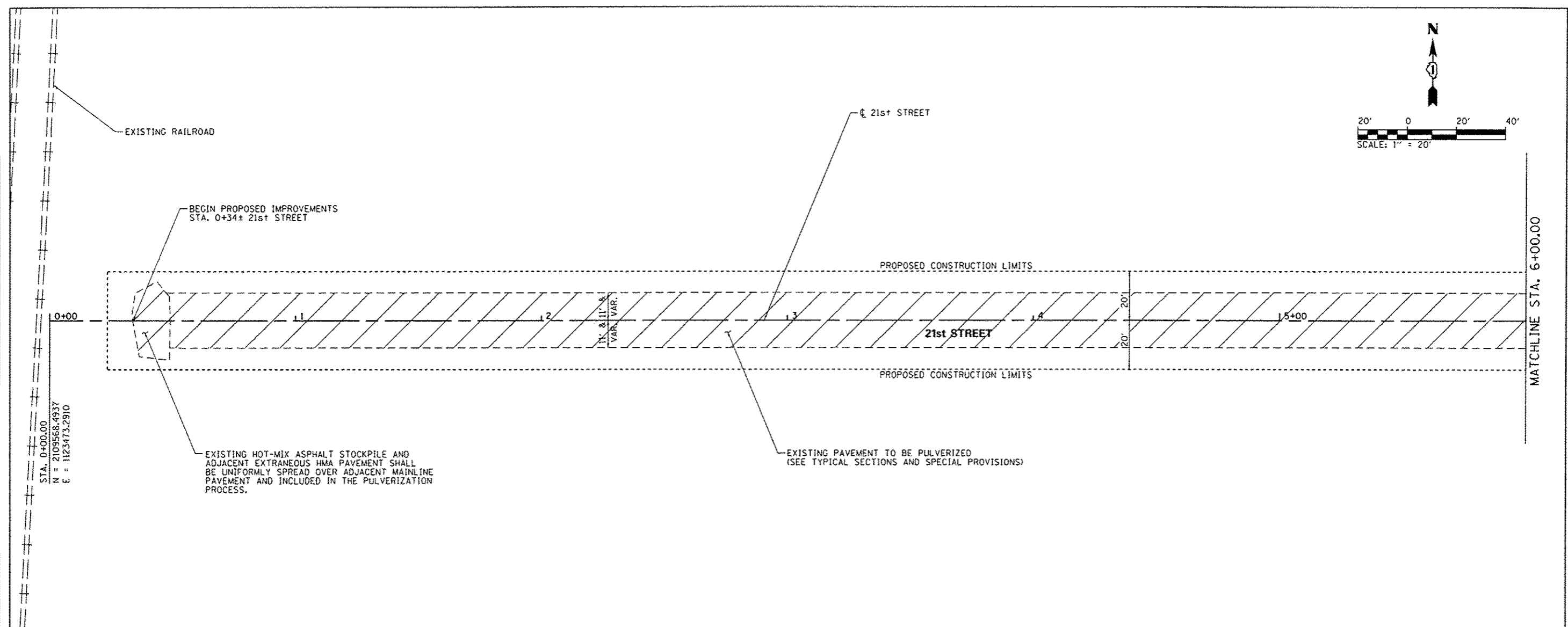
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	37
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				



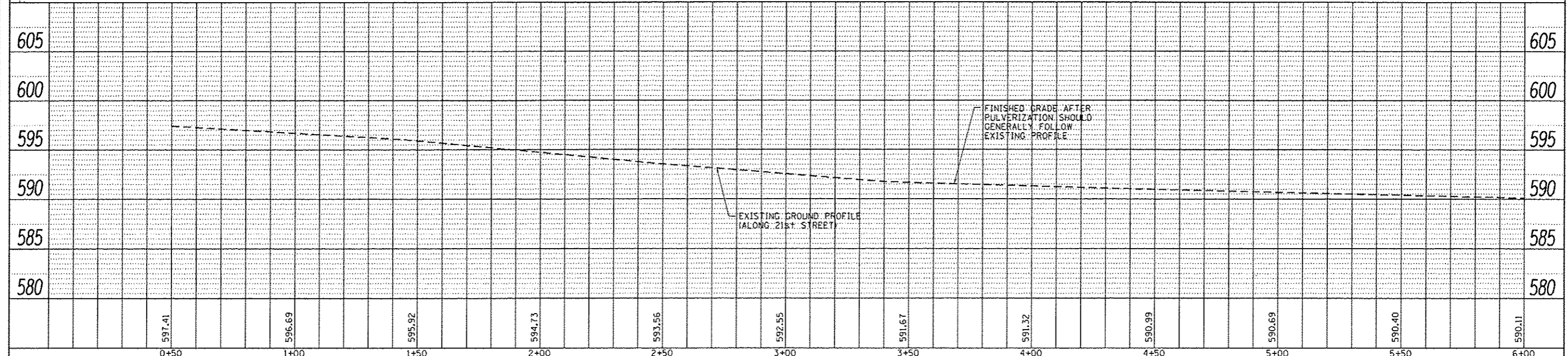
DATE	BY

DATE	BY



DATE	BY

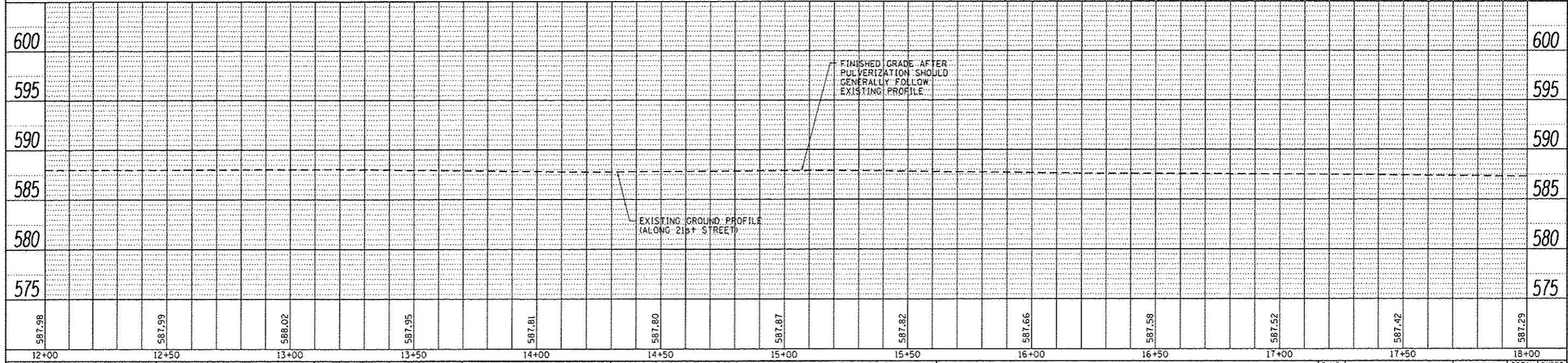
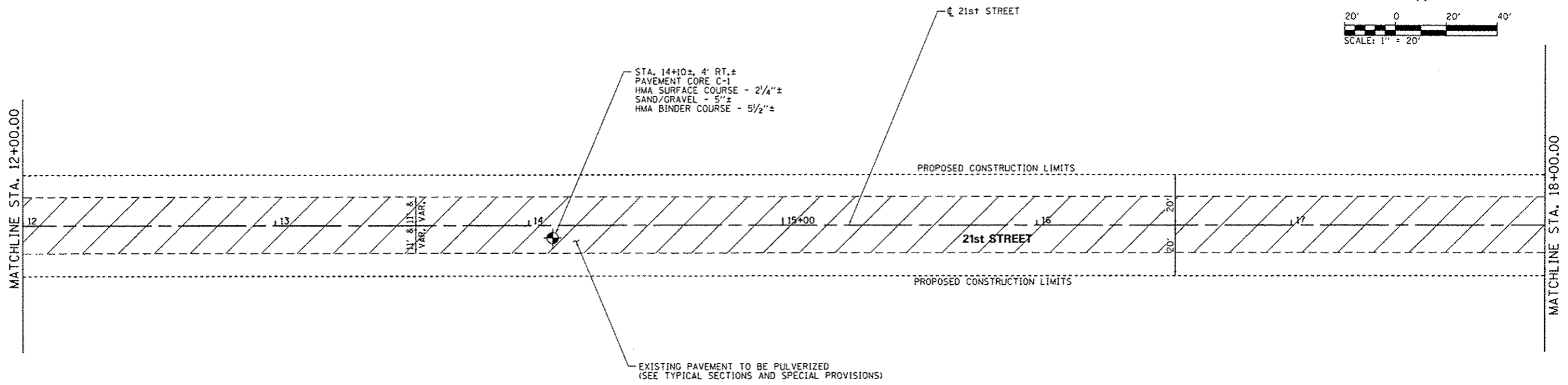
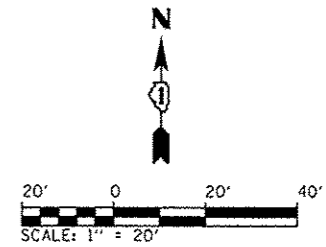
DATE	BY



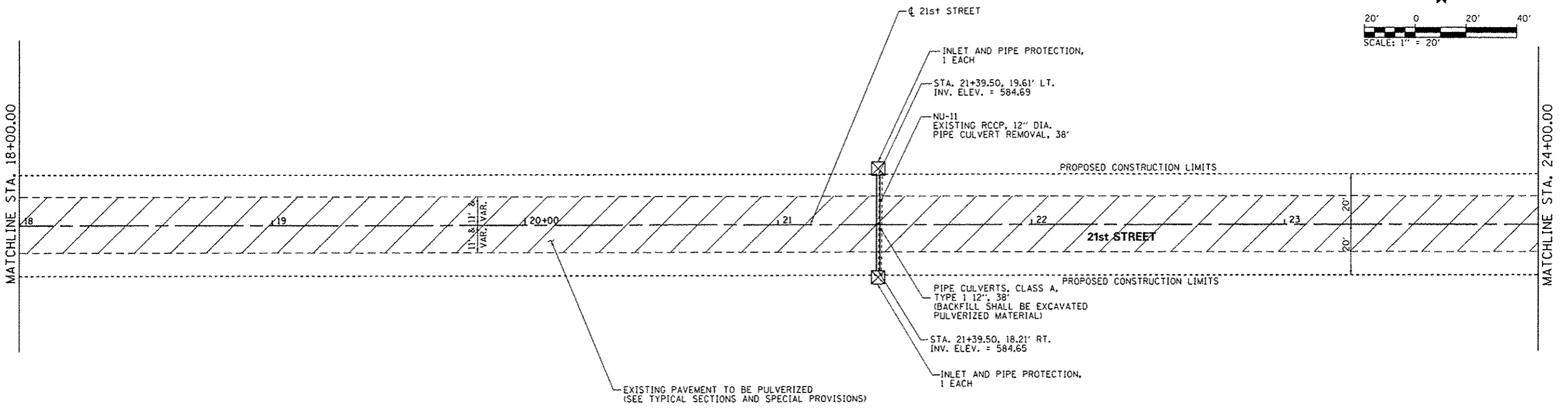
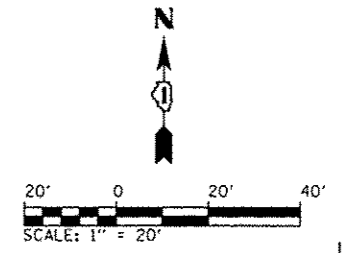
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PLOT SCALE = 48,0000' / 1"		DRAWN - MJO		REvised -	DEPARTMENT OF TRANSPORTATION		IDNR ILLINOIS BEACH STATE PARK		N/A	PARK ROADS	LAKE	60	38
PLOT DATE = 2/1/2013		CHECKED - SPH		REvised -	SCALE:		SHEET 1 OF 16 SHEETS STA. TO STA.		IDNR NO. 2-12-010		CONTRACT NO. 46250		ILLINOIS FED. AID PROJECT
USER NAME = Matt Overbey		DATE - 2/1/2013		REvised -									

PLAN	DATE
DATE	BY
REVISIONS	
NO. OF SHEETS	
NO. OF THIS SHEET	
PROJECT NAME	
DATE	

PROFILE	DATE
DATE	BY
REVISIONS	
NO. OF SHEETS	
NO. OF THIS SHEET	
PROJECT NAME	
DATE	

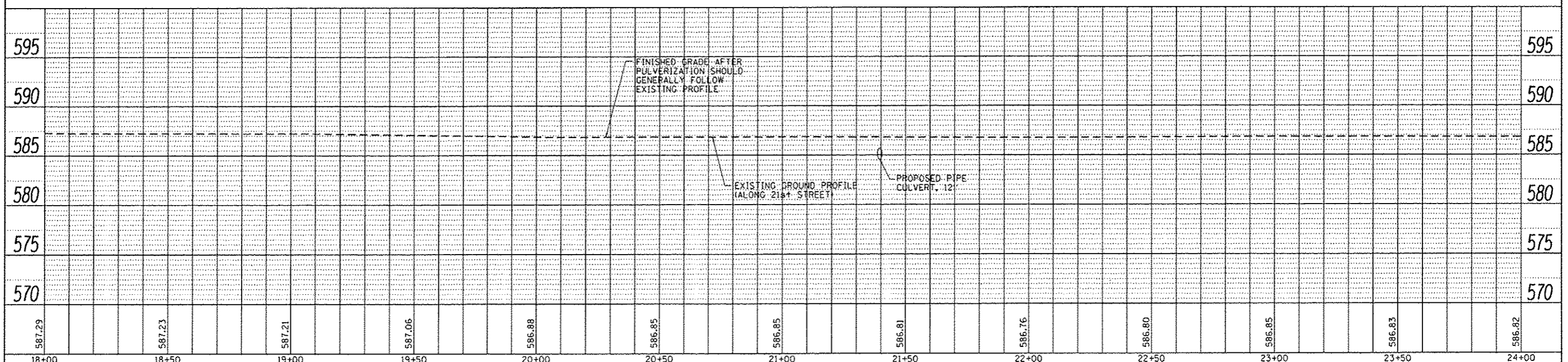


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Default	PLOT SCALE : 40.0000 1" = 40'	CHECKED - SPH	DATE - 2/1/2013	SCALE: SHEET 3 OF 16 SHEETS	STA. TO STA.	IDNR NO. 2-12-010		CONTRACT NO. 46250		ILLINOIS FED. AID PROJECT

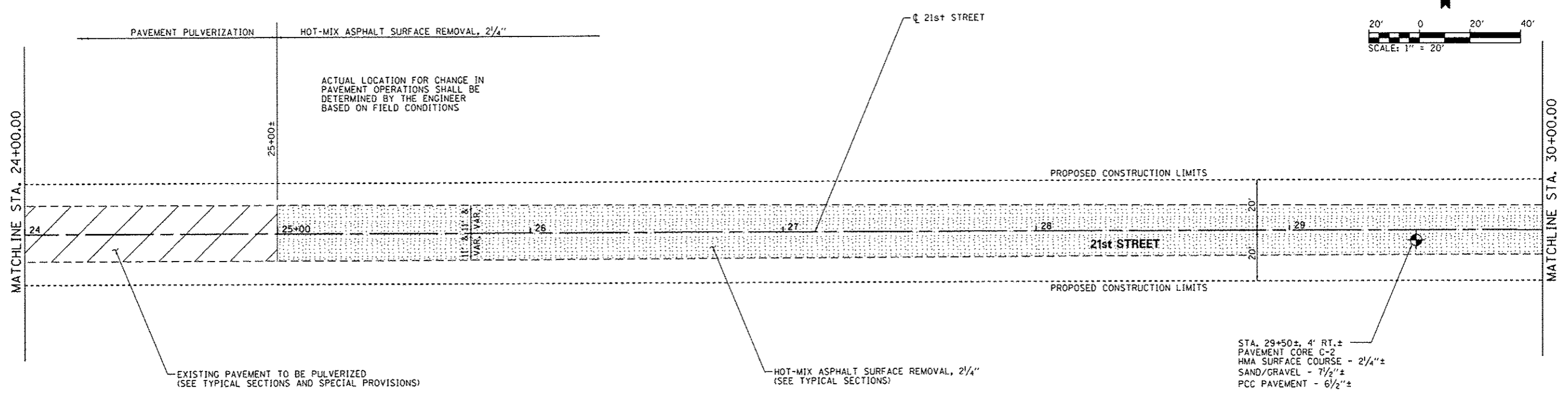
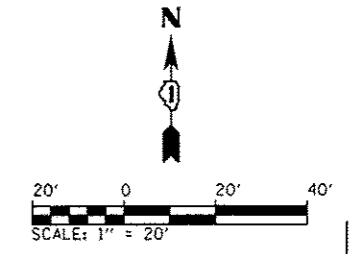


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PROFILE	DATE
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DESIGNED	
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FILE NAME	



FILE NAME :	USER NAME :	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">PLAN AND PROFILE - 21st STREET - ELEMENT 3 IDNR ILLINOIS BEACH STATE PARK</p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE : 48.0000' / in.		SPH				IDNR NO. 2-12-010		CONTRACT NO. 46250			
PLOT DATE : 2/1/2013		2/1/2013				ILLINOIS FED. AID PROJECT					



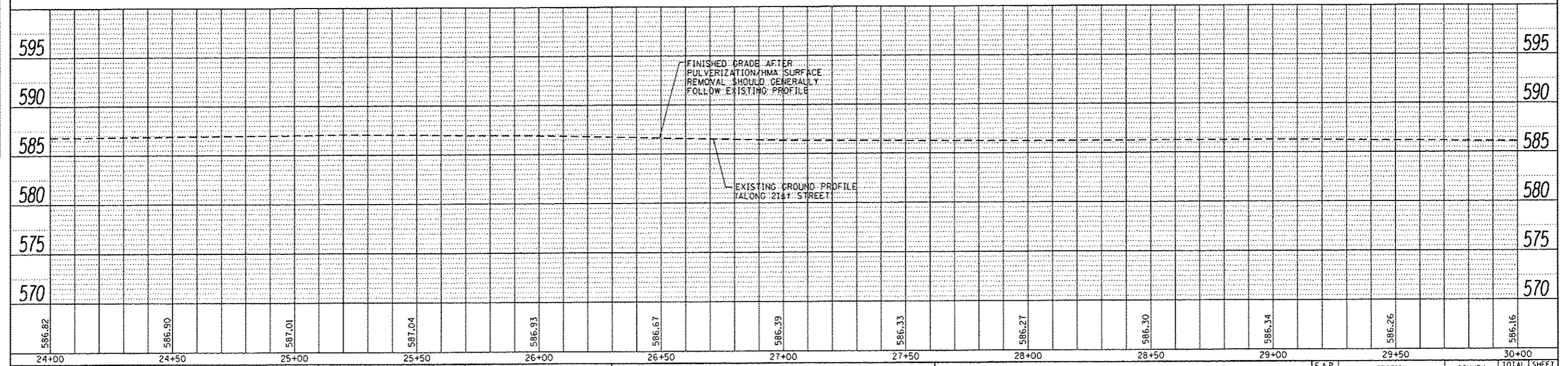
EXISTING PAVEMENT TO BE PULVERIZED
(SEE TYPICAL SECTIONS AND SPECIAL PROVISIONS)

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
(SEE TYPICAL SECTIONS)

STA. 29+50±, 4' RT.±
PAVEMENT CORE C-2
HMA SURFACE COURSE - 2 1/4"±
SAND/GRAVEL - 7 1/2"±
PCC PAVEMENT - 6 1/2"±

PLAN	DATE
REVISION	BY
APPROVED	
NOTE BOOK	
NO.	

PROFILE	DATE
REVISION	BY
APPROVED	
NOTE BOOK	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

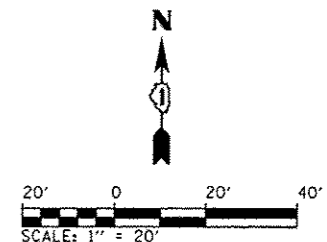
PLAN AND PROFILE - 21st STREET - ELEMENT 3
IDNR ILLINOIS BEACH STATE PARK

FILE NAME -	USER NAME - Matt Overbey
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PLOT DATE - 2/1/2013	

DESIGNED - MJQ	REVISED -
DRAWN - MJQ	REVISED -
CHECKED - SPH	REVISED -
DATE - 2/1/2013	REVISED -

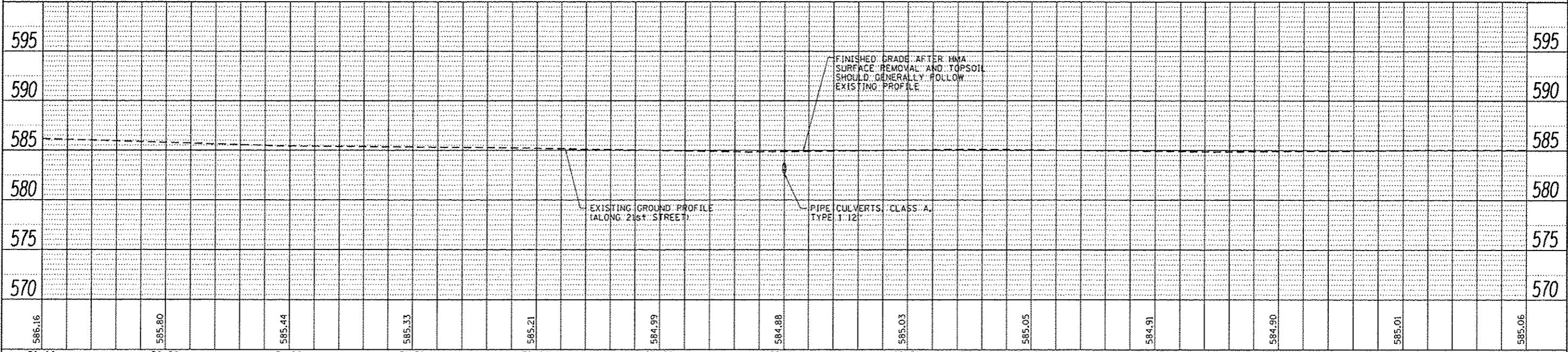
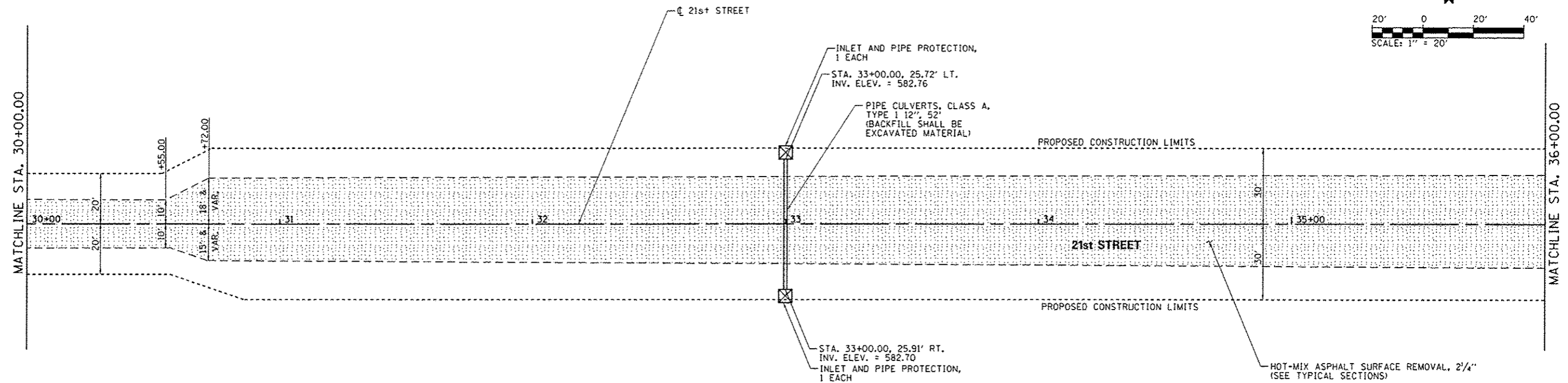
SCALE:	SHEET 5 OF 16 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	42
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				



PLAN	DATE
SHEET NO. _____ APPROVED BY: _____ TITLE: _____ DATE: _____	DATE: _____ BY: _____

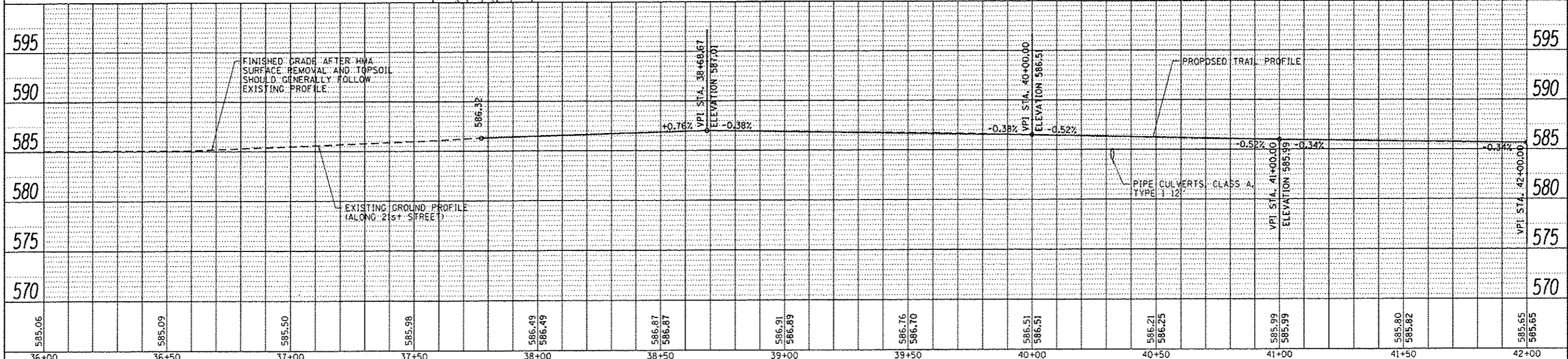
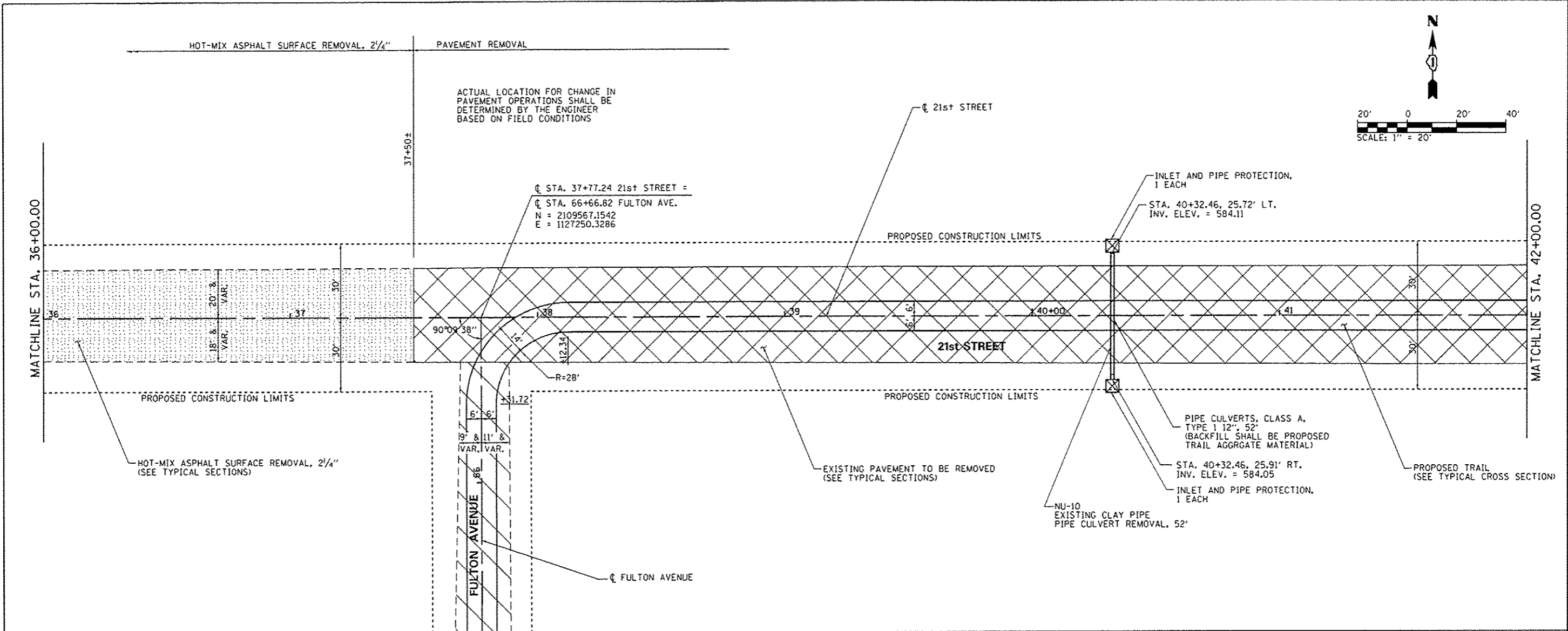
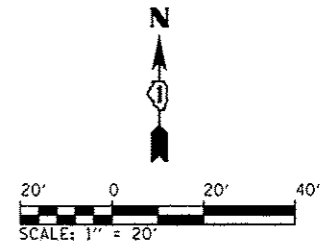
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SHEET NO. _____ APPROVED BY: _____ TITLE: _____ DATE: _____	DATE: _____ BY: _____



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PLLOT SCALE: 40.0000 / 1" = 40'	PLLOT DATE: 2/1/2013	CHECKED: SPH	REVISED:	SCALE: 1" = 20'	SHEET 6 OF 16 SHEETS	IONR NO. 2-12-010	CONTRACT NO. 46250	ILLINOIS FED. AID PROJECT		

PLAN	DATE
REVISED	BY
NO. OF SHEETS	
NO. OF SHEETS CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT FILED	

PROFILE	DATE
REVISED	BY
NO. OF SHEETS	
NO. OF SHEETS CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT FILED	



36+00	36+50	37+00	37+50	38+00	38+50	39+00	39+50	40+00	40+50	41+00	41+50	42+00
585.06	585.09	585.50	585.98	586.49 586.49	586.87 586.87	586.91 586.89	586.76 586.70	586.51 586.51	586.21 586.25	585.99 585.99	585.80 585.82	585.65 585.65

FILE NAME -	USER NAME - Matt Overbey
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	DRAWN - MJO
	CHECKED - SPH
	DATE - 2/1/2013

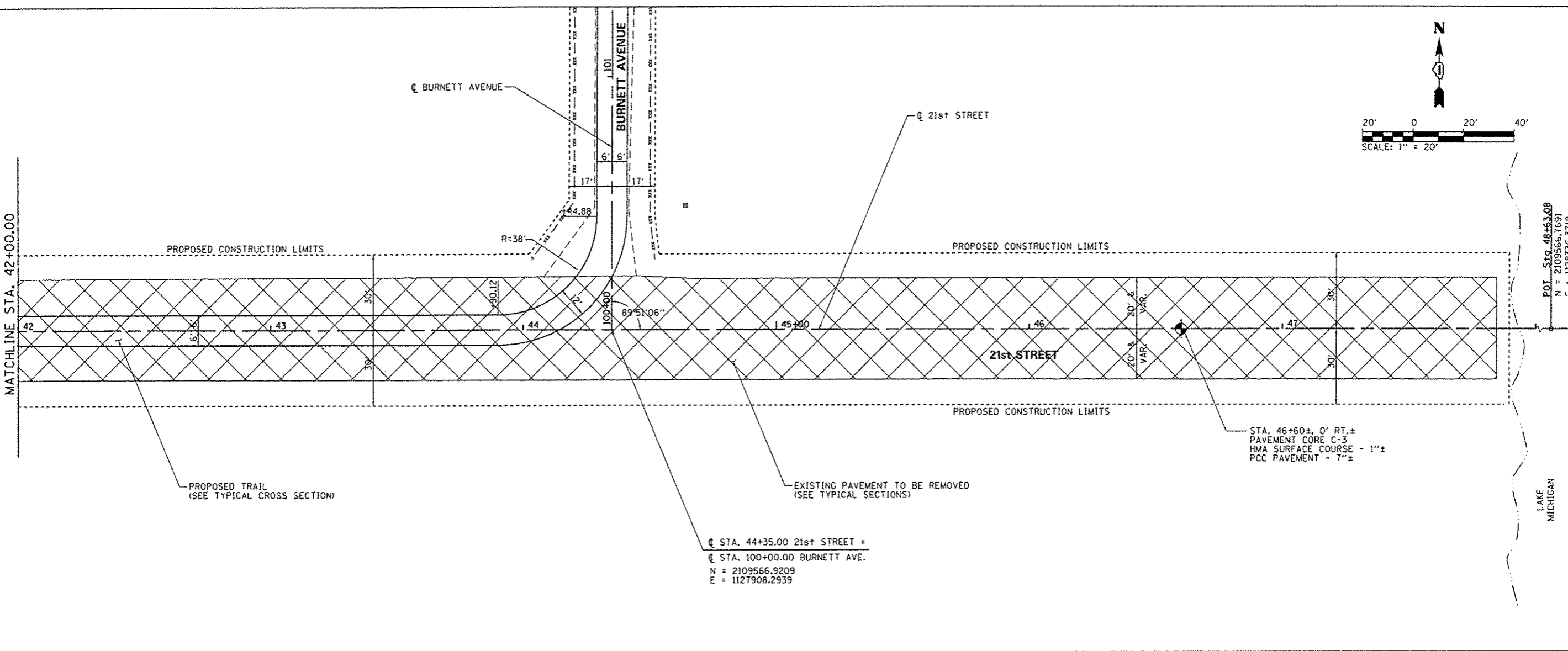
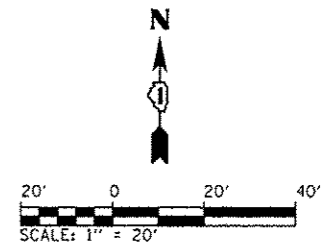
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REVISED -	REVISED -
REVISED -	REVISED -
REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - 21st STREET - ELEMENT 3
IDNR ILLINOIS BEACH STATE PARK

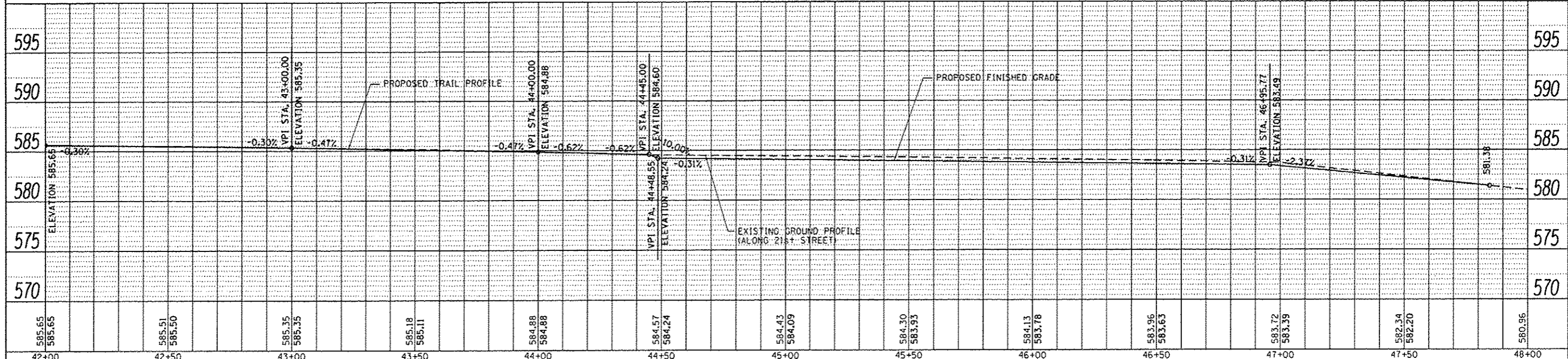
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	44
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				

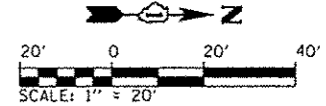


PLAN	DATE
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NOTE BOOK NO.	
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PROFILE	DATE
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FILE NAME	

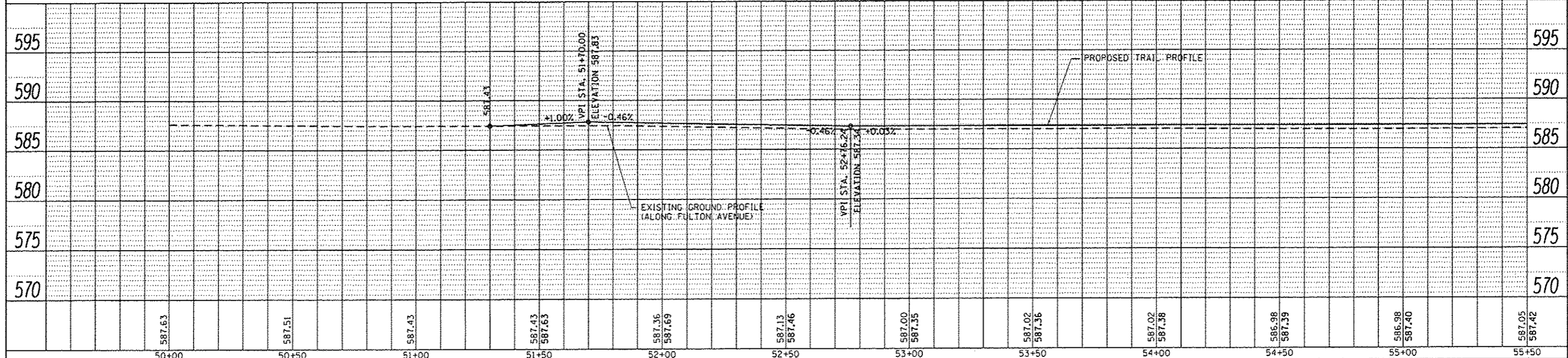
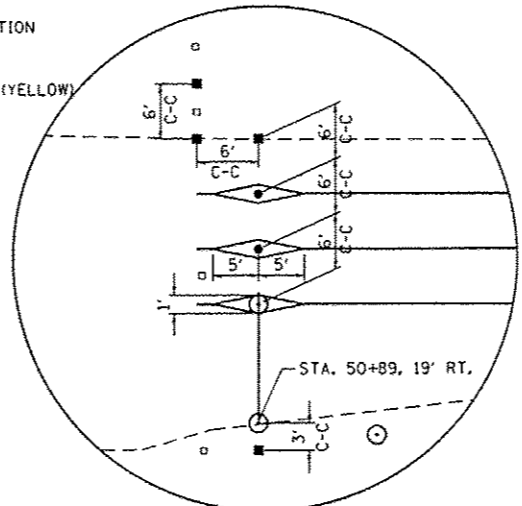
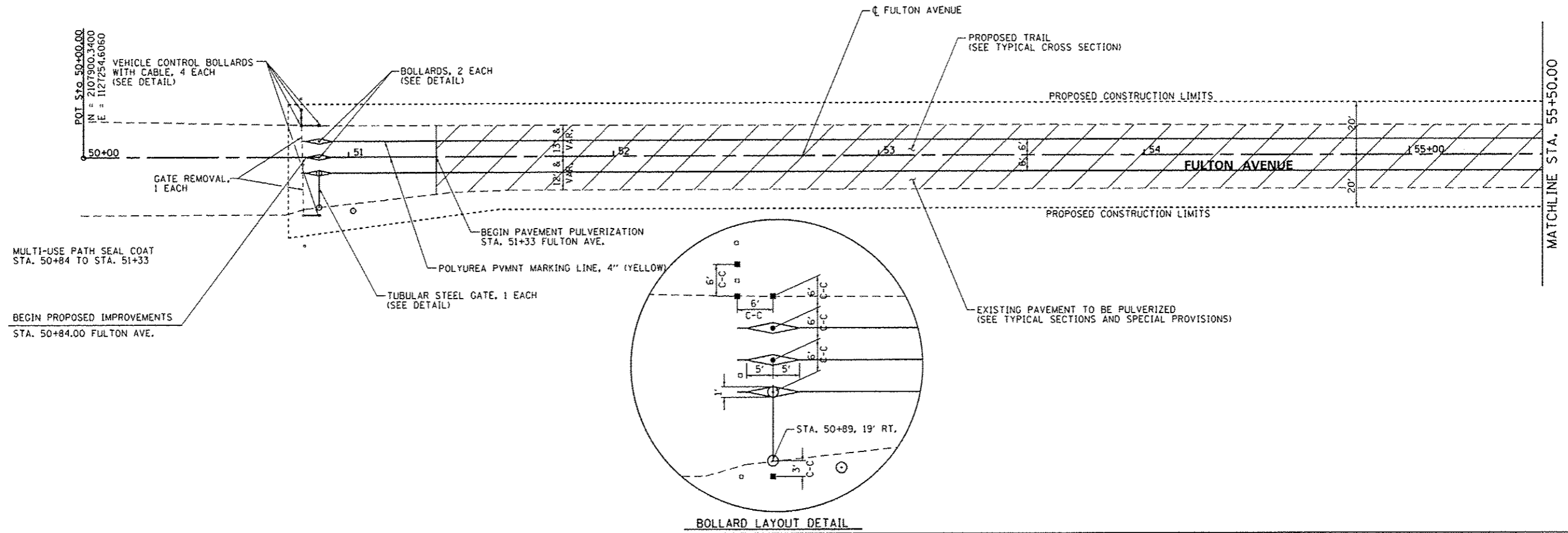


FILE NAME :	USER NAME :	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - 21st STREET - ELEMENT 3 IDNR ILLINOIS BEACH STATE PARK	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DATE - 2/1/2013	REVISED -			ILLINOIS FED. AID PROJECT					

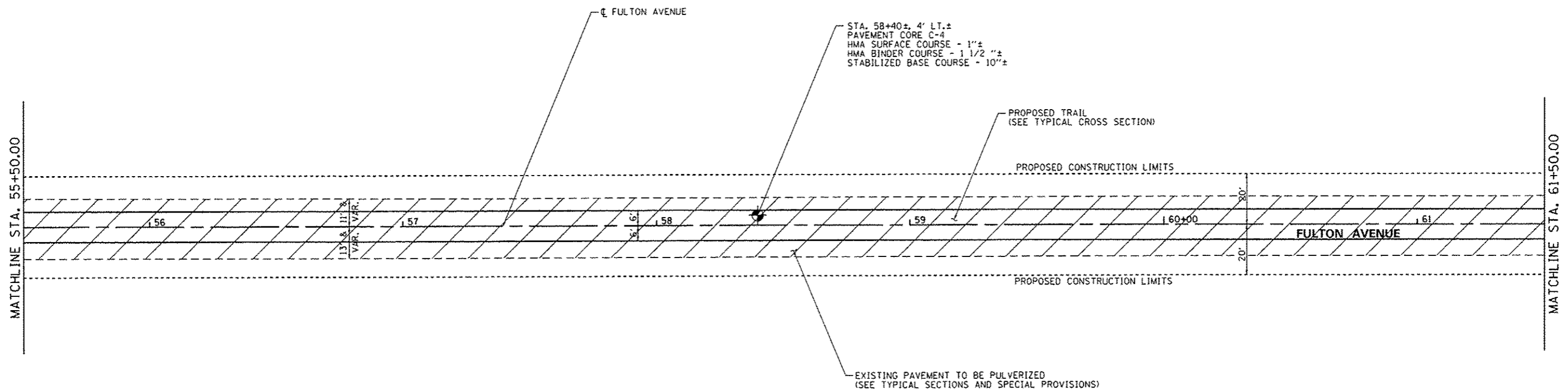
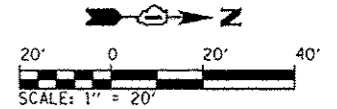


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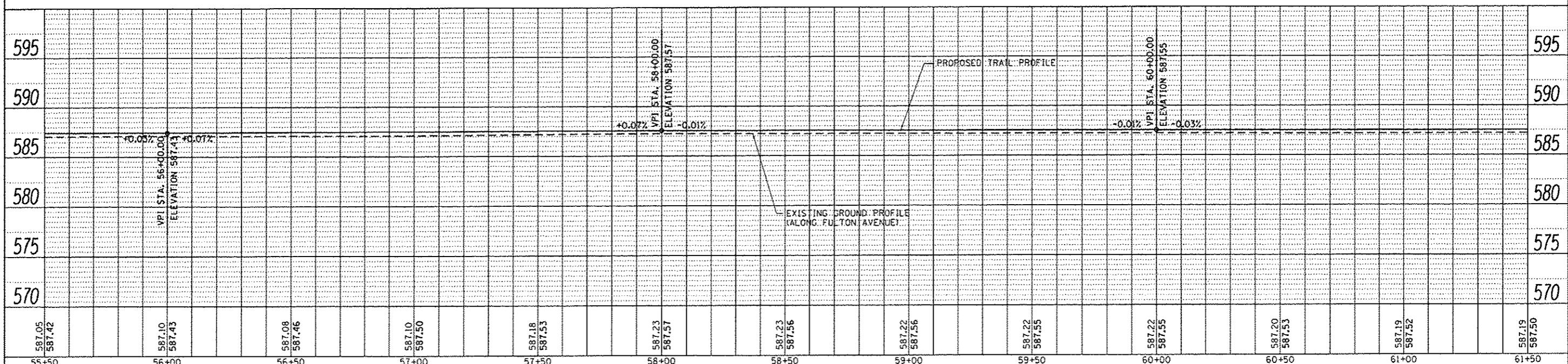


FILE NAME =	USER NAME = Matt Overbay	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - FULTON AVENUE - ELEMENT 3 IDNR ILLINOIS BEACH STATE PARK	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	CHECKED - SPH	REVISED -	IONR NO. 2-12-010			CONTRACT NO. 46250				
PLOT SCALE = 40.0000 1/4" = 1'	DATE - 2/1/2013	REVISED -	ILLINOIS FED. AID PROJECT							

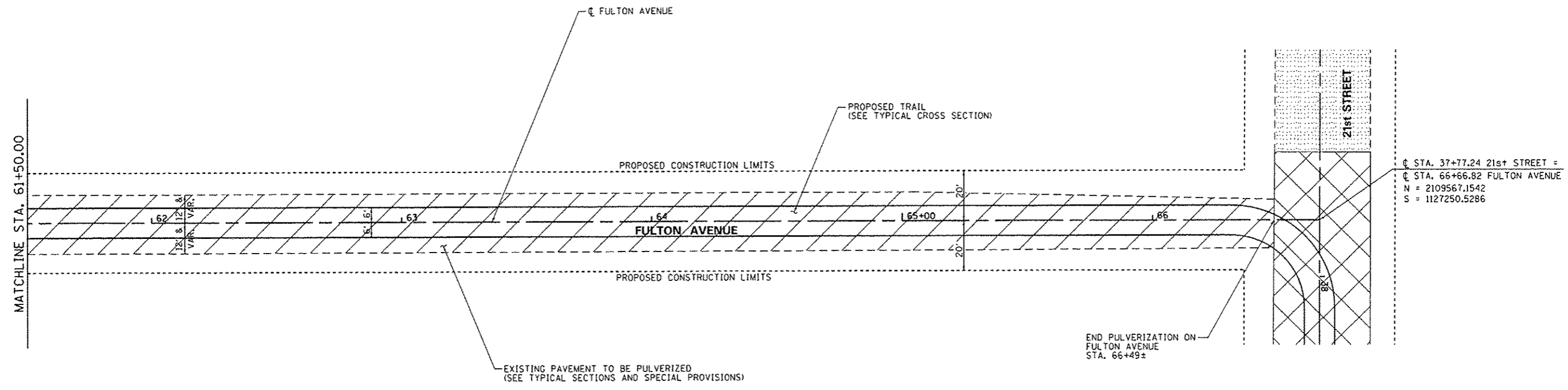
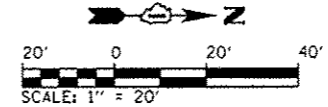


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REVISION	
NO. DATE	
BY	
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DATE	
SCALE	

PROFILE	DATE
REVISION	
NO. DATE	
BY	
CHECKED	
DATE	
SCALE	



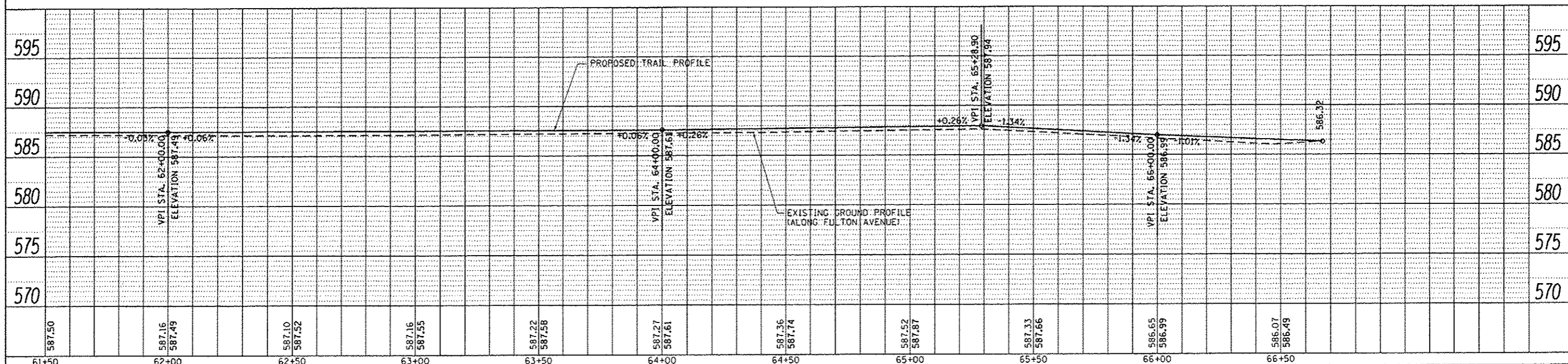
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PLT SCALE: 40.0000 1/4" = 1'	CHECKED - SPH	DATE - 2/1/2013	SCALE: 1" = 20'	SHEET 10 OF 16 SHEETS	STA. TO STA.	IDNR NO. 2-12-010 CONTRACT NO. 46250		ILLINOIS FED. AID PROJECT	



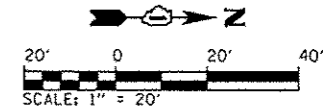
@ STA. 37+77.24 21st STREET =
 @ STA. 66+66.82 FULTON AVENUE
 N = 2109567.1542
 S = 1127250.5286

PLAN	DATE
REVISED	BY
NOTE BOOK	NO. OF SHEETS
NO.	FILE NAME

PROFILE	DATE
REVISED	BY
NOTE BOOK	NO. OF SHEETS
NO.	FILE NAME



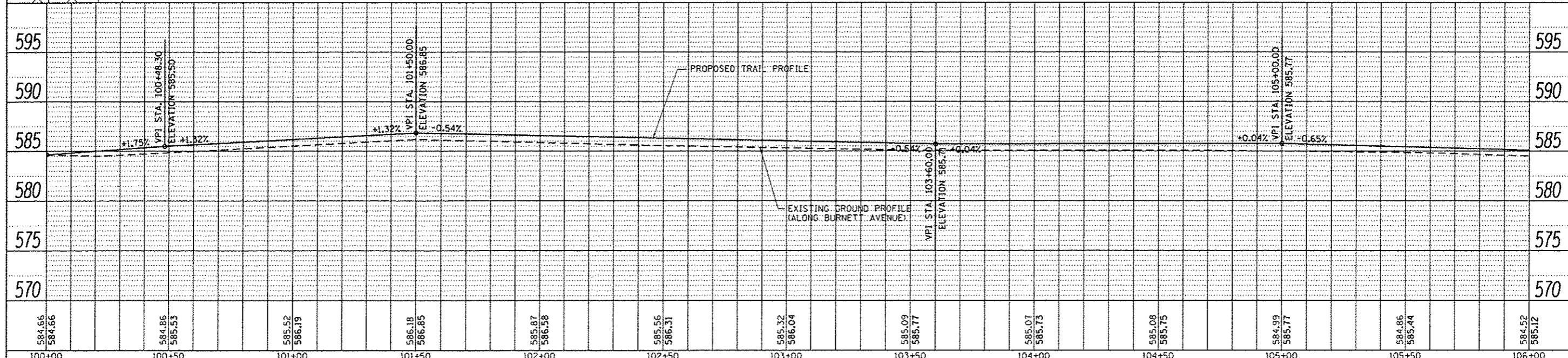
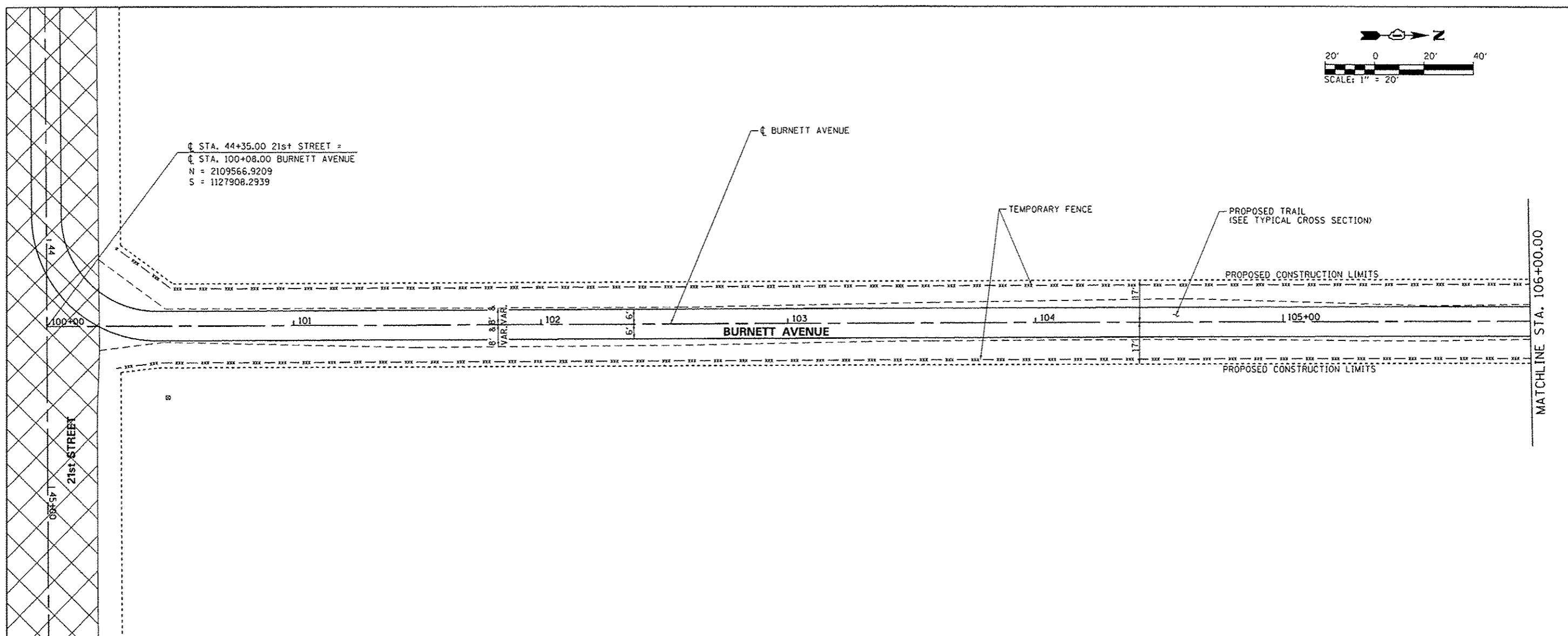
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L:\ID0111866\B\W0.7\Draw\CADD_Sheets\C3-PROP1.dgn	Matt Overbay	MJO								
PLOT SCALE : 48.0000 / in.		SPH								
PLOT DATE : 2/1/2013		2/1/2013								
Default				SCALE: SHEET 11 OF 16 SHEETS STA. TO STA.		IDNR NO. 2-12-010 CONTRACT NO. 46250 ILLINOIS FED. AID PROJECT				



☐ STA. 44+35.00 21st STREET =
 ☐ STA. 100+08.00 BURNETT AVENUE
 N = 2109566.9209
 S = 1127908.2939

PLAN	DATE
REVISED	BY
NOTED	BY
NOTE BOOK	NO.
FILE NAME	

PROFILE	DATE
REVISED	BY
NOTED	BY
NOTE BOOK	NO.
FILE NAME	



584.66 584.66	584.86 585.53	585.52 586.19	586.18 586.85	585.87 586.58	585.56 586.31	585.32 586.04	585.09 585.77	585.07 585.75	585.08 585.75	584.99 585.77	584.86 585.44	584.52 585.12
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 PLOT SCALE : 48.0000 / in.
 PLOT DATE : 2/1/2013

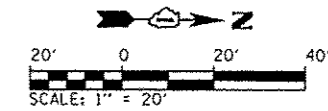
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

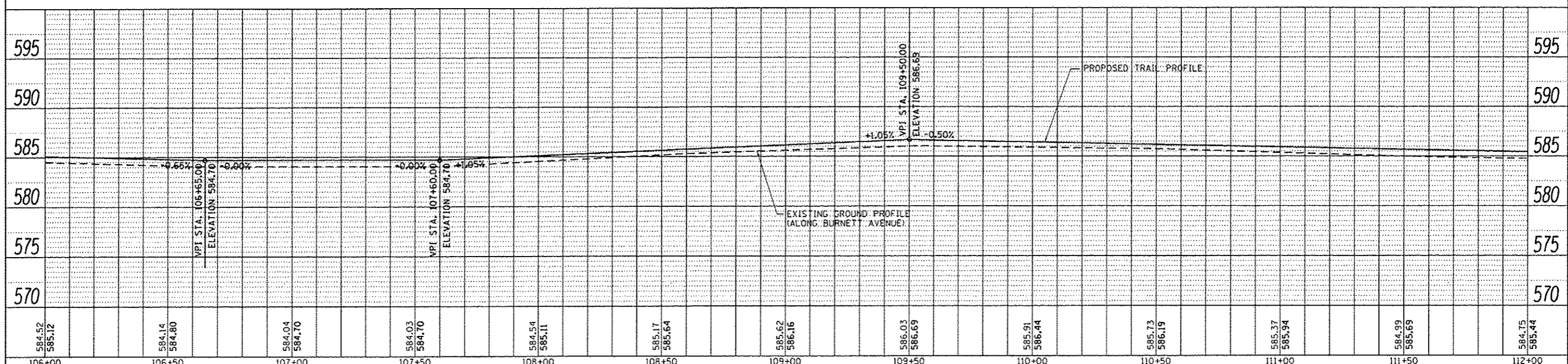
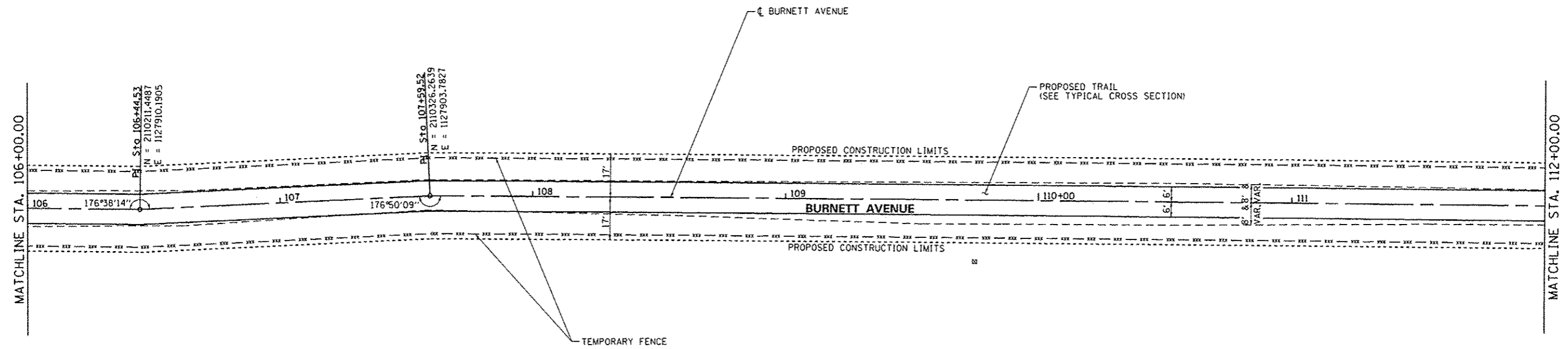
PLAN AND PROFILE - BURNETT AVENUE - ELEMENT 3
IDNR ILLINOIS BEACH STATE PARK
 SCALE: SHEET 12 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	49
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				



PLAN	DATE
BY	
NO.	
NO.	
NO.	
NO.	

PROFILE	DATE
BY	
NO.	
NO.	
NO.	
NO.	



584.52 585.12	584.14 584.80	584.04 584.70	584.03 584.70	584.54 585.11	585.17 585.64	585.62 586.16	586.03 586.69	585.91 586.44	585.73 586.19	585.37 585.94	584.99 585.69	584.75 585.44
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 PLOT DATE: 2/1/2013

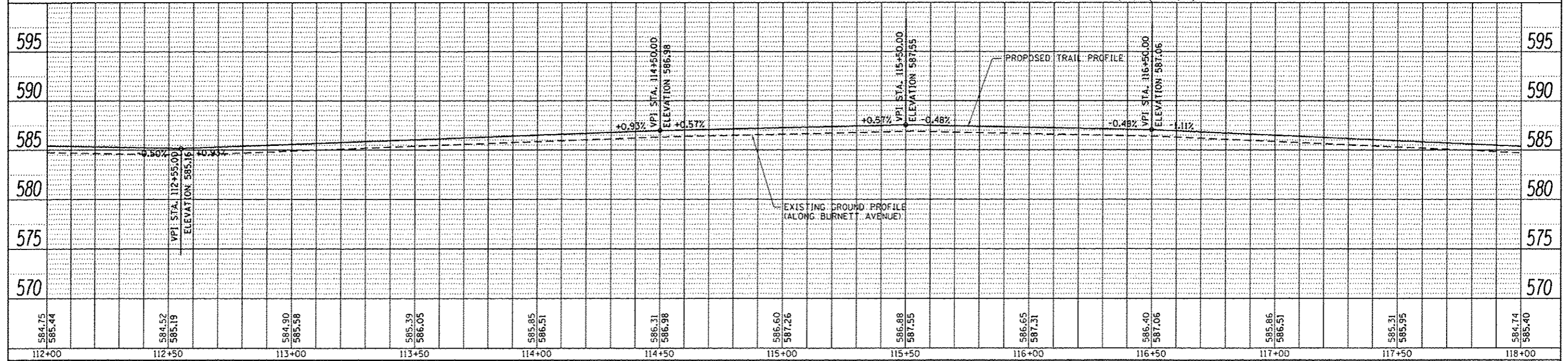
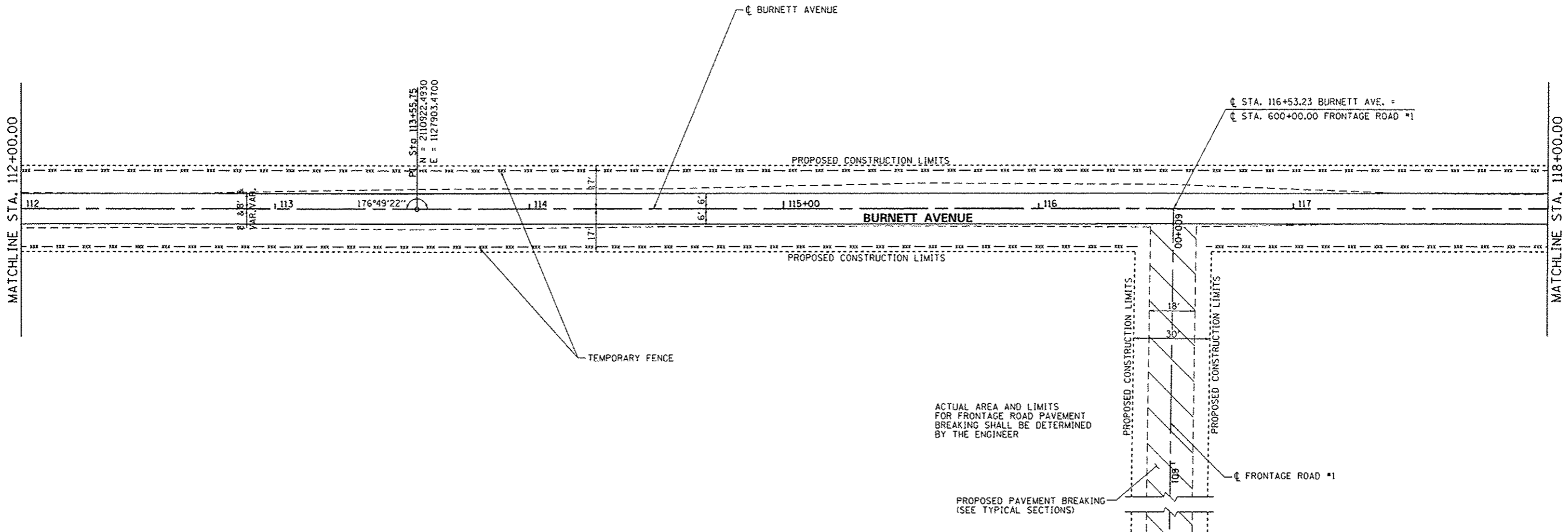
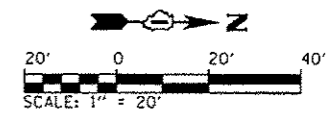
USER NAME: Matt Overbay
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 DRAWN: MJO
 CHECKED: SPH
 DATE: 2/1/2013

REVISED: -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - BURNETT AVENUE - ELEMENT 3
 IDNR ILLINOIS BEACH STATE PARK
 SCALE: SHEET 13 OF 16 SHEETS STA. TO STA.

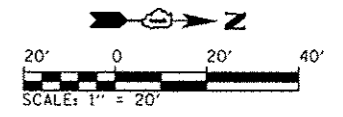
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	50
IDNR NO. 2-12-010			CONTRACT NO. 46250	
ILLINOIS FED. AID PROJECT				



PLAN	SUBMITTED	DATE
	REVISED	
	NOTED	
	RECHECKED	
	BY	
	FILE NO.	

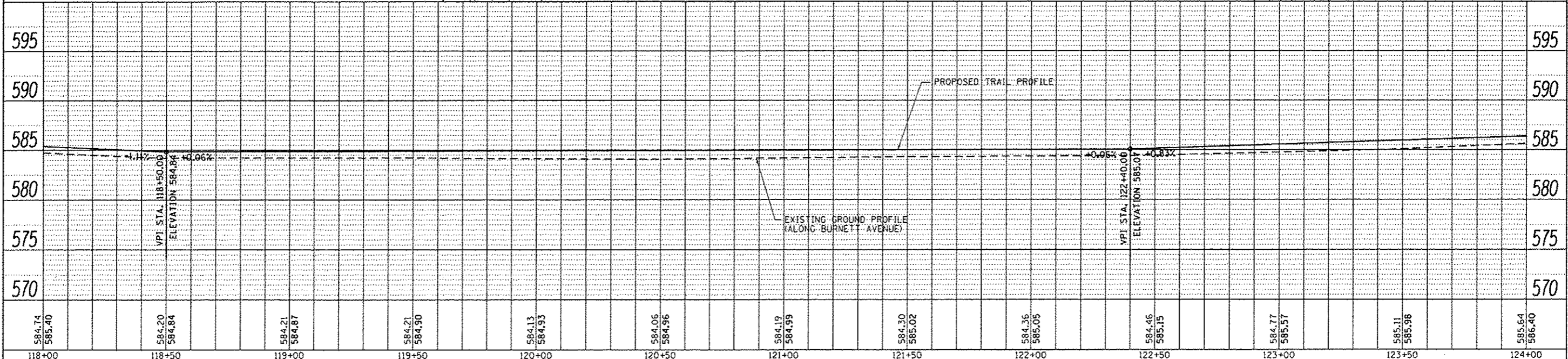
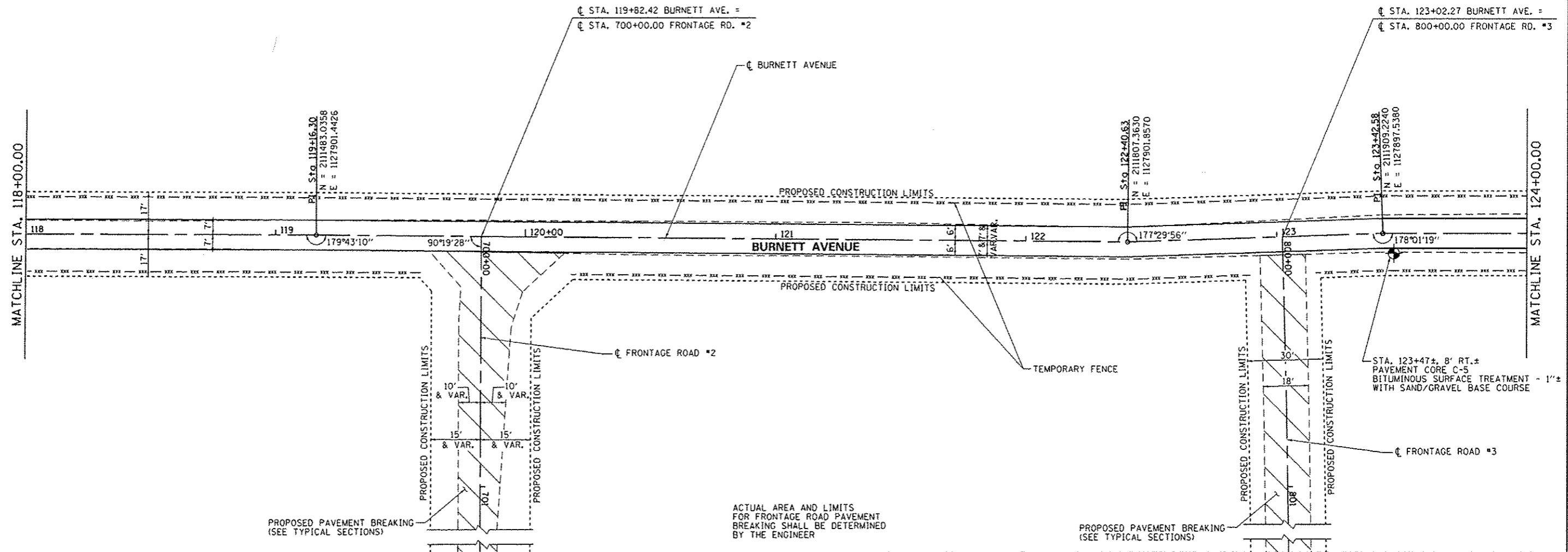
PROFILE	SUBMITTED	DATE
	REVISED	
	NOTED	
	RECHECKED	
	BY	
	FILE NO.	

FILE NAME: L:\11001\1186618\WD_7\Draw\CADD_Sheets\E3-NP014.dgn	USER NAME: Matt Overbay	DESIGNED: MJO	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - BURNETT AVENUE - ELEMENT 3 IDNR ILLINOIS BEACH STATE PARK				F.A.P. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:
PLOT SCALE: 40.0000' / in.	PLOT DATE: 2/1/2013	DRAWN: MJO	REVISED: -		SCALE:	SHEET 14 OF 16 SHEETS	STA. TO STA.	N/A	PARK ROADS	LAKE	60	51	
DATE: 2/1/2013	CHECKED: SPH	REVISED: -	REVISED: -		IDNR NO. 2-12-010	CONTRACT NO. 46250	ILLINOIS FED. AID PROJECT						

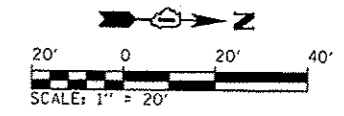


DATE	
BY	
DESIGNED	
CHECKED	
IN CHARGE	
PLANNING	
NO.	

DATE	
BY	
DESIGNED	
CHECKED	
IN CHARGE	
PLANNING	
NO.	

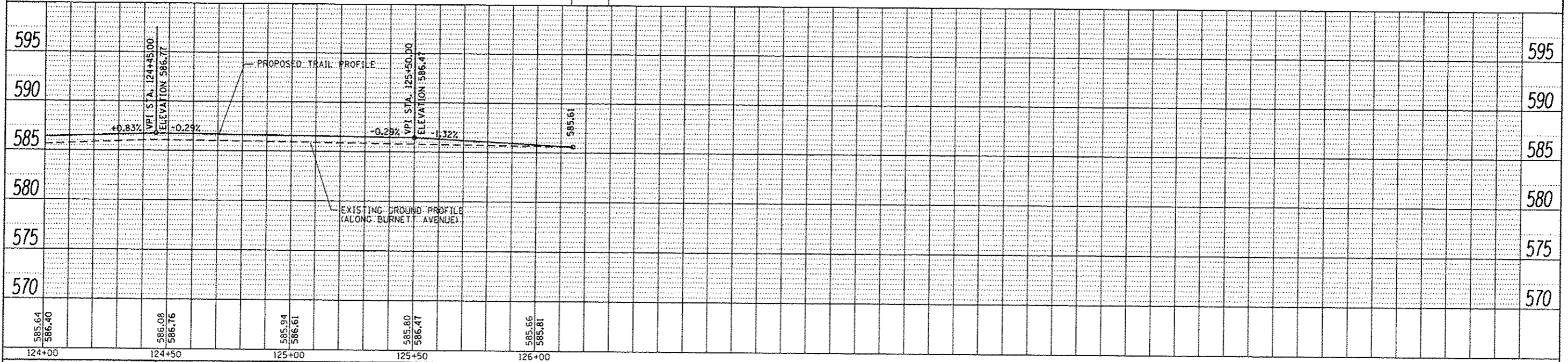
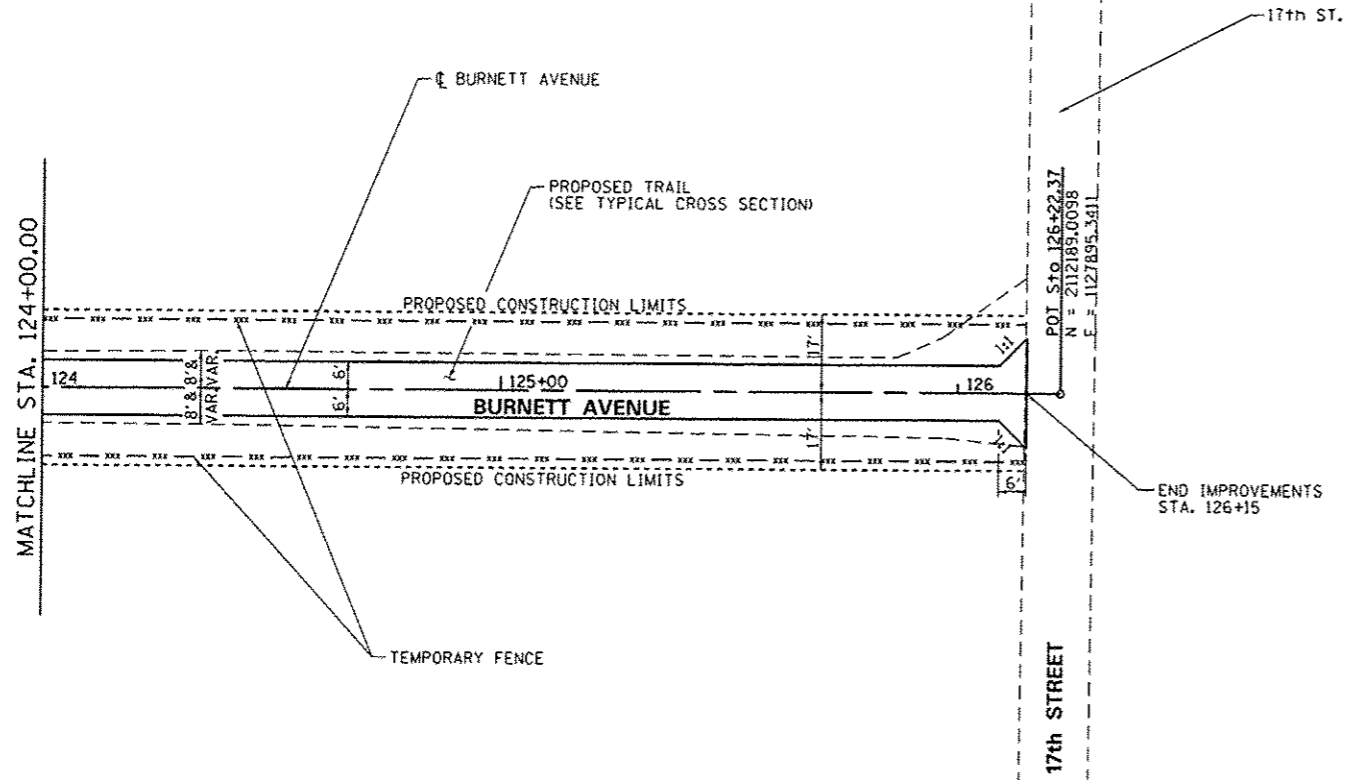


FILE NAME: L:\1001\118661\40.7\Drawings\400_Sheets\15.dgn	USER NAME: Matt Overbay	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - BURNETT AVENUE - ELEMENT 3 IDNR ILLINOIS BEACH STATE PARK	F.A.P. RTE. N/A	SECTION PARK ROADS	COUNTY LAKE	TOTAL SHEETS 60	SHEET NO. 52
Default	PLOT SCALE: 40,0000 / in.	CHECKED - SPH	REVISED -	SCALE: SHEET 15 OF 16 SHEETS STA. TO STA.	CONTRACT NO. 46250	ILLINOIS FED. AID PROJECT				
	PLOT DATE: 2/1/2013	DATE: 2/1/2013	REVISED -							



DATE	
BY	
CHECKED	
PLANNED	
NOTED	
STRUCTURE	
NOTATIONS	
NO.	

DATE	
BY	
CHECKED	
PLANNED	
NOTED	
STRUCTURE	
NOTATIONS	
NO.	



FILE NAME : L:\IDOT\1186618\W0.7\Draw\CADD_Sheets\E3-HP016.dgn	USER NAME : Matt Overbay	DESIGNED - MJD	REVISED -
Default		DRAWN - MJO	REVISED -
		CHECKED - SPH	REVISED -
		DATE - 2/1/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

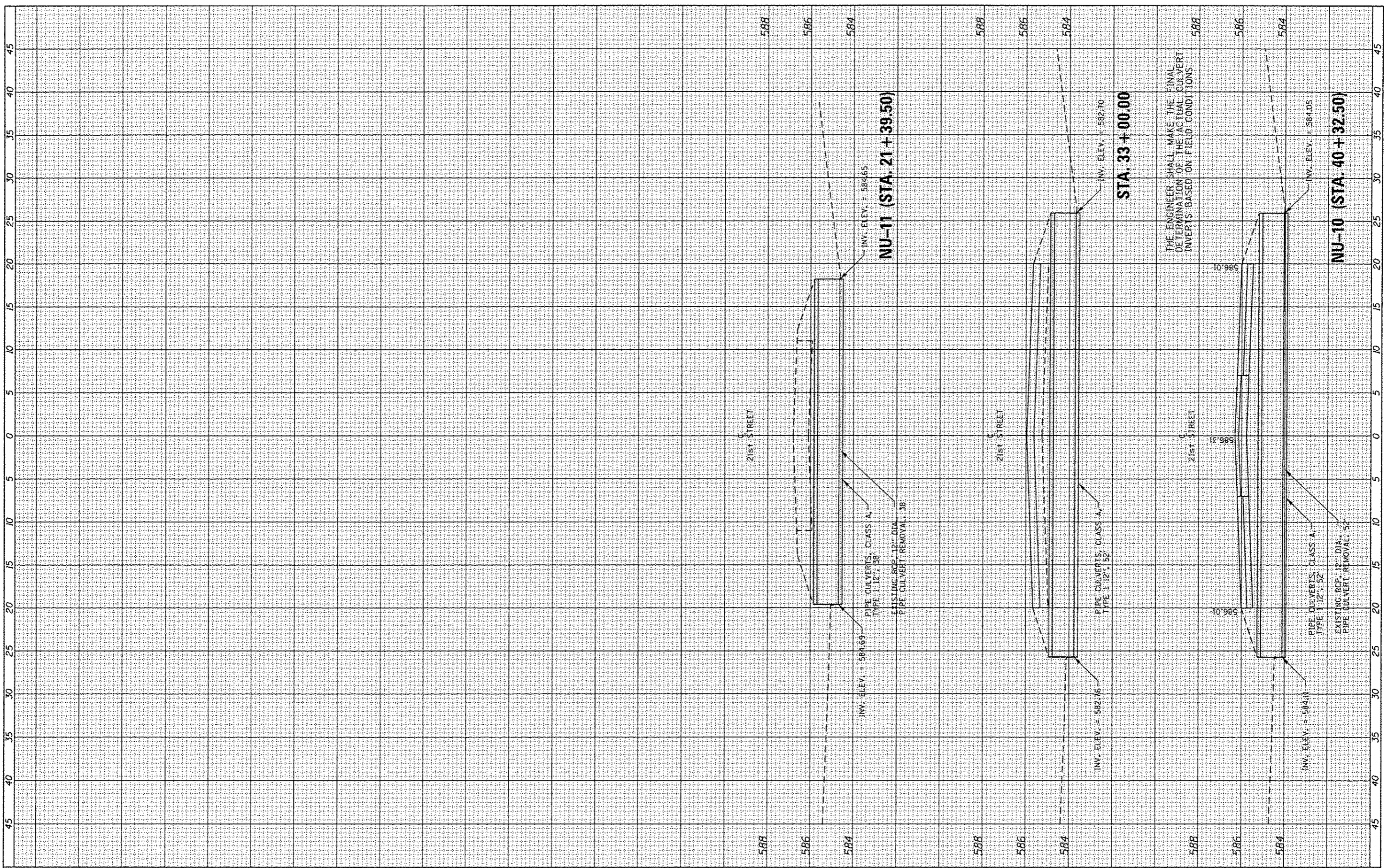
**PLAN AND PROFILE - BURNETT AVENUE - ELEMENT 3
IDNR ILLINOIS BEACH STATE PARK**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	53
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 16 OF 16 SHEETS STA. TO STA.

FINAL SURVEY	DATE
PLOTTED	
NOTE BOOK	
NO.	

ORIGINAL SURVEY	DATE
PLOTTED	
NOTE BOOK	
NO.	



FILE NAME = L:\1007\1186618\WD_710\Draw\CAD00_Sheets\C3-K55HT
 USER NAME = Matt Overbay
 CULVERT PROFILES.dgn
 PLOT SCALE = 10.0000' / 1" / in.
 PLOT DATE = 2/1/2013

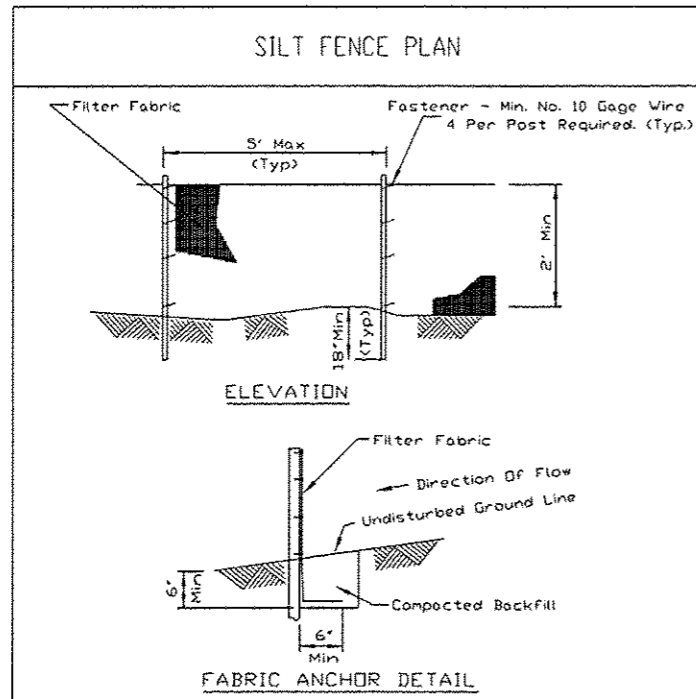
DESIGNED - MJO	REVISED -
DRAWN - MJO	REVISED -
CHECKED - SPH	REVISED -
DATE - 2/1/2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CULVERT PROFILES - ELEMENT 3
 IDNR ILLINOIS BEACH PARK SITE**

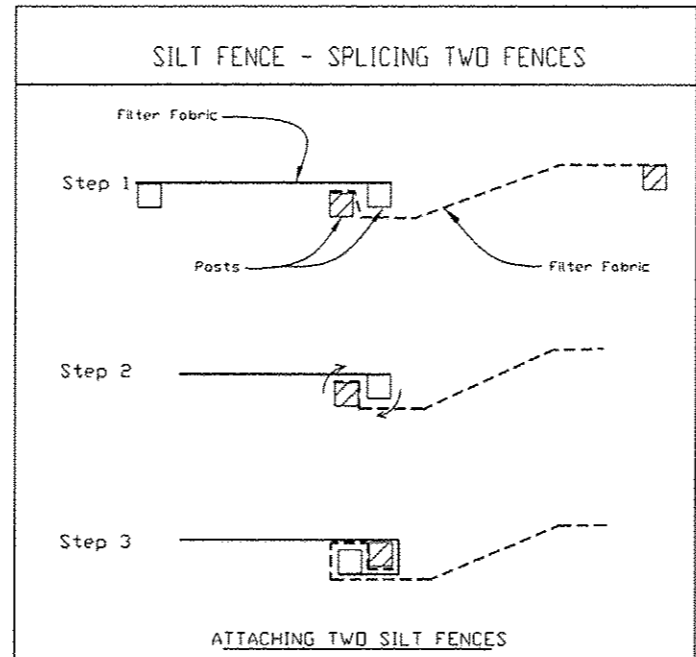
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	54
CONTRACT NO. 46000			ILLINOIS FED. AID PROJECT	



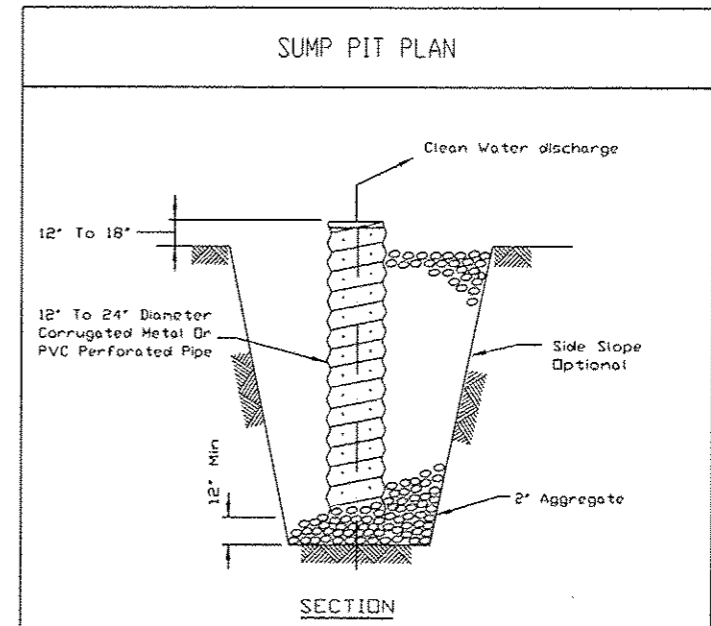
- NOTES:**
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
 3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE Project _____	DESIGNED _____	DATE _____	STANDARD DWG. NO. IUM-620A
DESIGNED _____	DRAWN _____	DATE _____	SHEET 1 OF 2
CHECKED _____	CHECKED _____	DATE _____	DATE 3-16-12
APPROVED _____	DATE _____	REVISED _____	



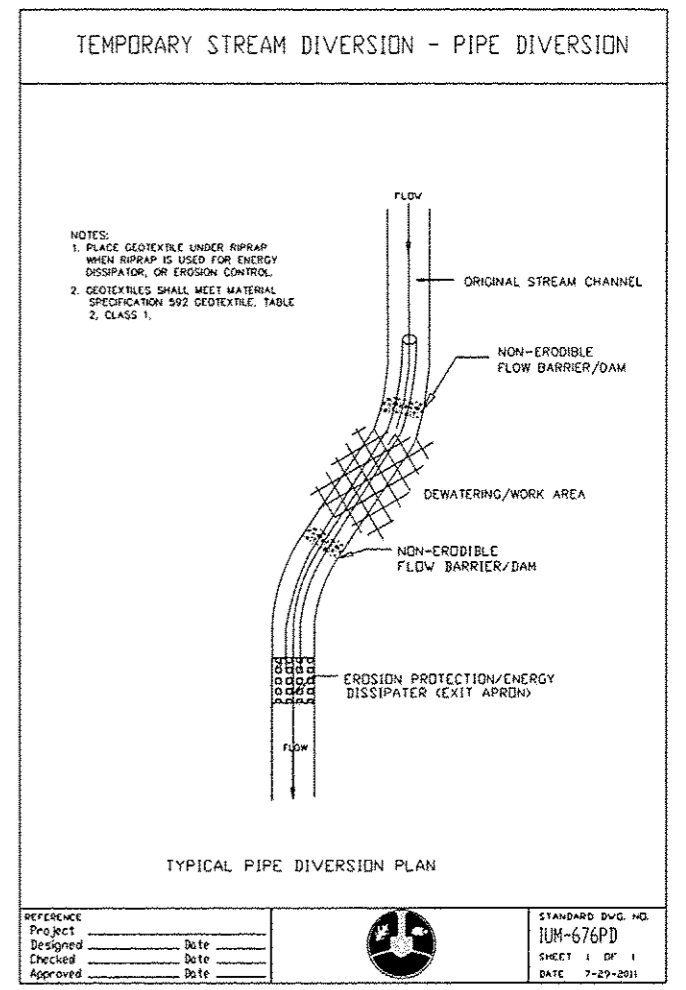
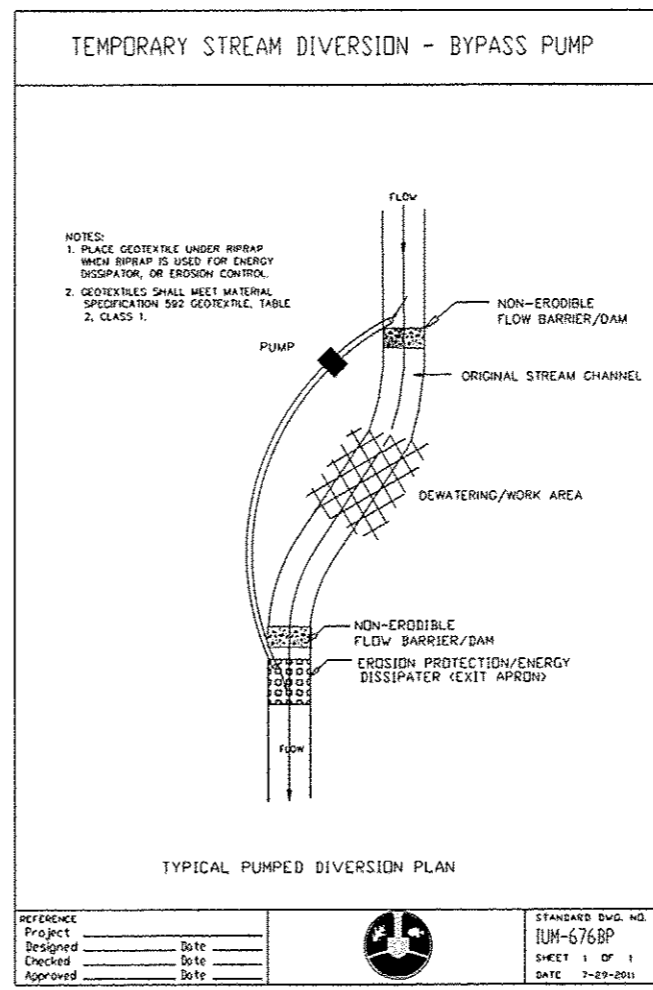
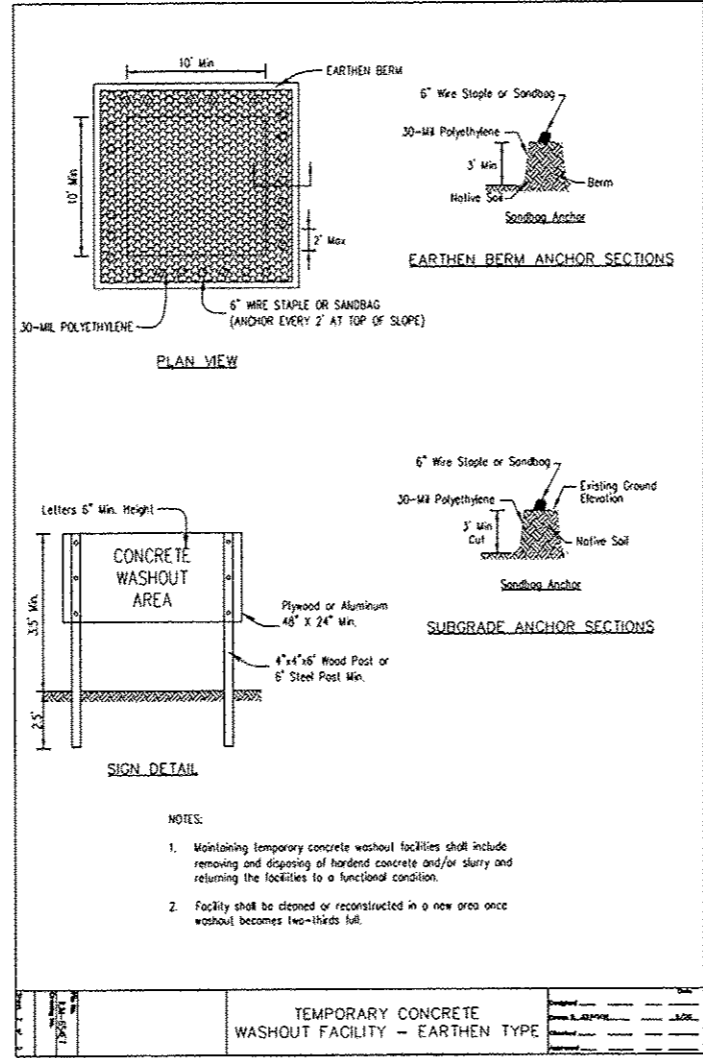
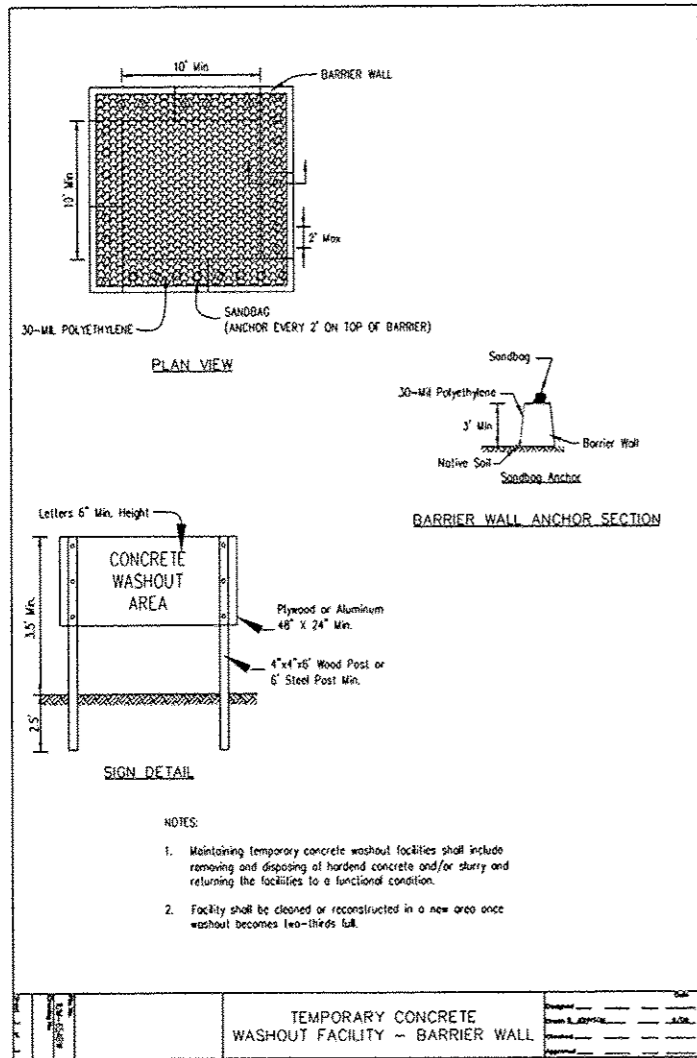
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6' flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

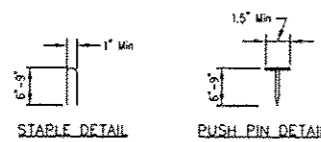
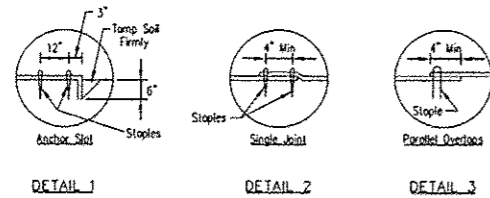
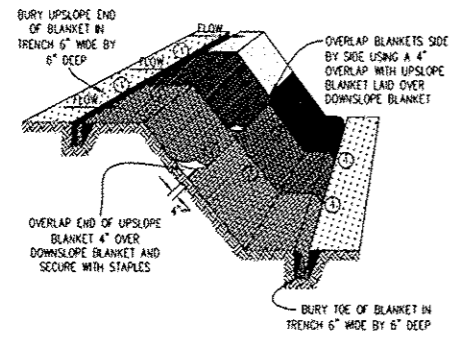
REFERENCE Project _____	DESIGNED _____	DATE _____	STANDARD DWG. NO. IUM-620B(W)
DESIGNED _____	DRAWN _____	DATE _____	SHEET 1 OF 1
CHECKED _____	CHECKED _____	DATE _____	DATE 2-06-2012
APPROVED _____	DATE _____	REVISED _____	



- NOTES:**
1. Pit dimensions are optional.
 2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
 3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
 4. The standpipe will extend 12" to 18" above the lip of the pit.
 5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
 6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE Project _____	DESIGNED _____	DATE _____	STANDARD DWG. NO. IL-650
DESIGNED _____	DRAWN _____	DATE _____	SHEET 1 OF 1
CHECKED _____	CHECKED _____	DATE _____	DATE 0-11-94
APPROVED _____	DATE _____	REVISED _____	



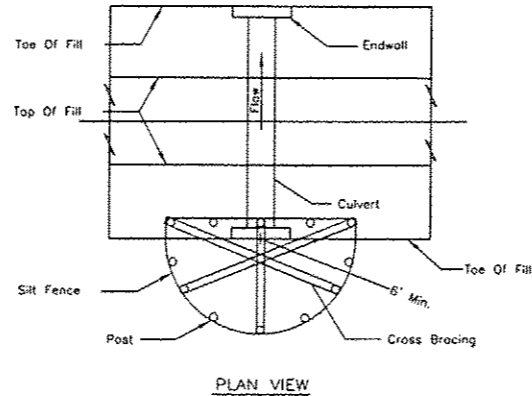


NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 staples with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

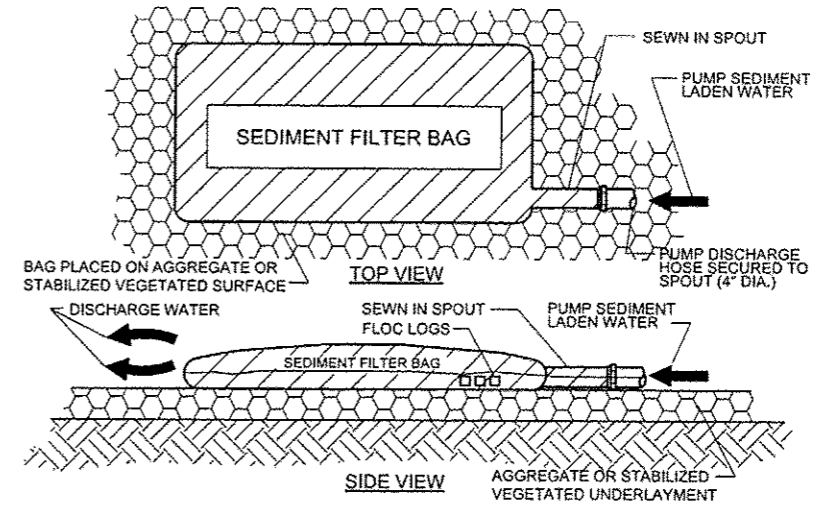
EROSION CONTROL BLANKET INSTALLATION DETAILS	
Project	_____
Drawn	_____
Checked	_____
Approved	_____

CULVERT INLET PROTECTION - SILT FENCE



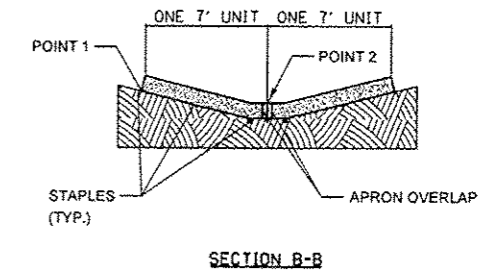
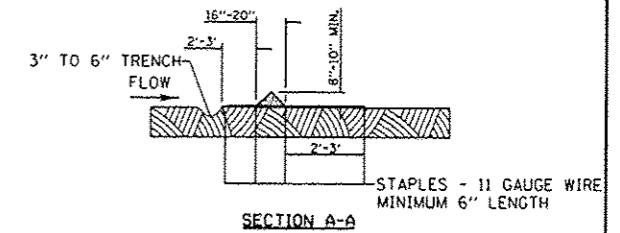
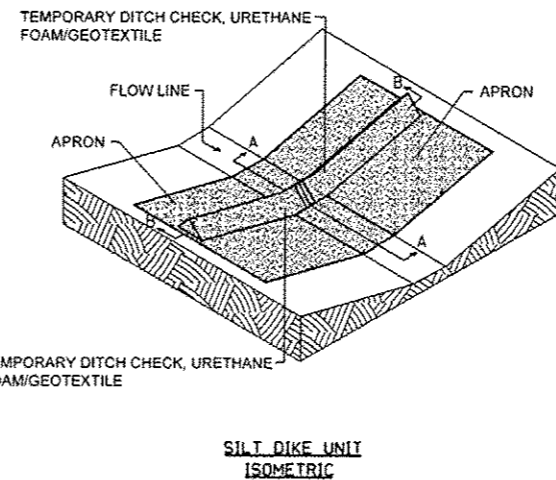
- NOTES:**
1. The silt fence shall meet the requirements as shown on standard drawing IL-620 SILT FENCE except the maximum post spacing shall be 3 feet and the tops of posts shall be cross braced.
 2. Sediment shall be removed when the sediment has accumulated to one-half the height of the silt fence.
 3. The maximum drainage area to the culvert being protected is 1 acre.

REFERENCE	STANDARD DWG. NO.
Project	IL-508SF
Designed	SHEET 1 OF 1
Checked	DATE 1-22-99
Approved	



- SEDIMENT CONTAINMENT FILTER BAG NOTES:**
1. DISCHARGE WATER ONTO A VEGETATED SURFACE.
 2. DISCHARGE WATER MUST FLOW AWAY FROM THE CONSTRUCTION AREA.
 3. SEDIMENT CAPTURED BY THE FILTER BAG MUST BE REMOVED OFFSITE.
 4. FLOC LOGS TO BE INSERTED INTO SEDIMENT BAG PRIOR TO PUMPING. QUANTITY AND TYPE PER MANUFACTURERS RECOMMENDATIONS.

SEDIMENT FILTER BAG



- NOTES:**
- THE INSTALLATION SHOWN ABOVE WILL BE MEASURED AS 14 FOOT TEMPORARY DITCH CHECKS (SPECIAL).
- STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE 7' UNIT AS SHOWN ON THE DIAGRAM.
- POINT 1 MUST BE HIGHER THAN POINT 2 TO INSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.

TEMPORARY DITCH CHECKS (SPECIAL)

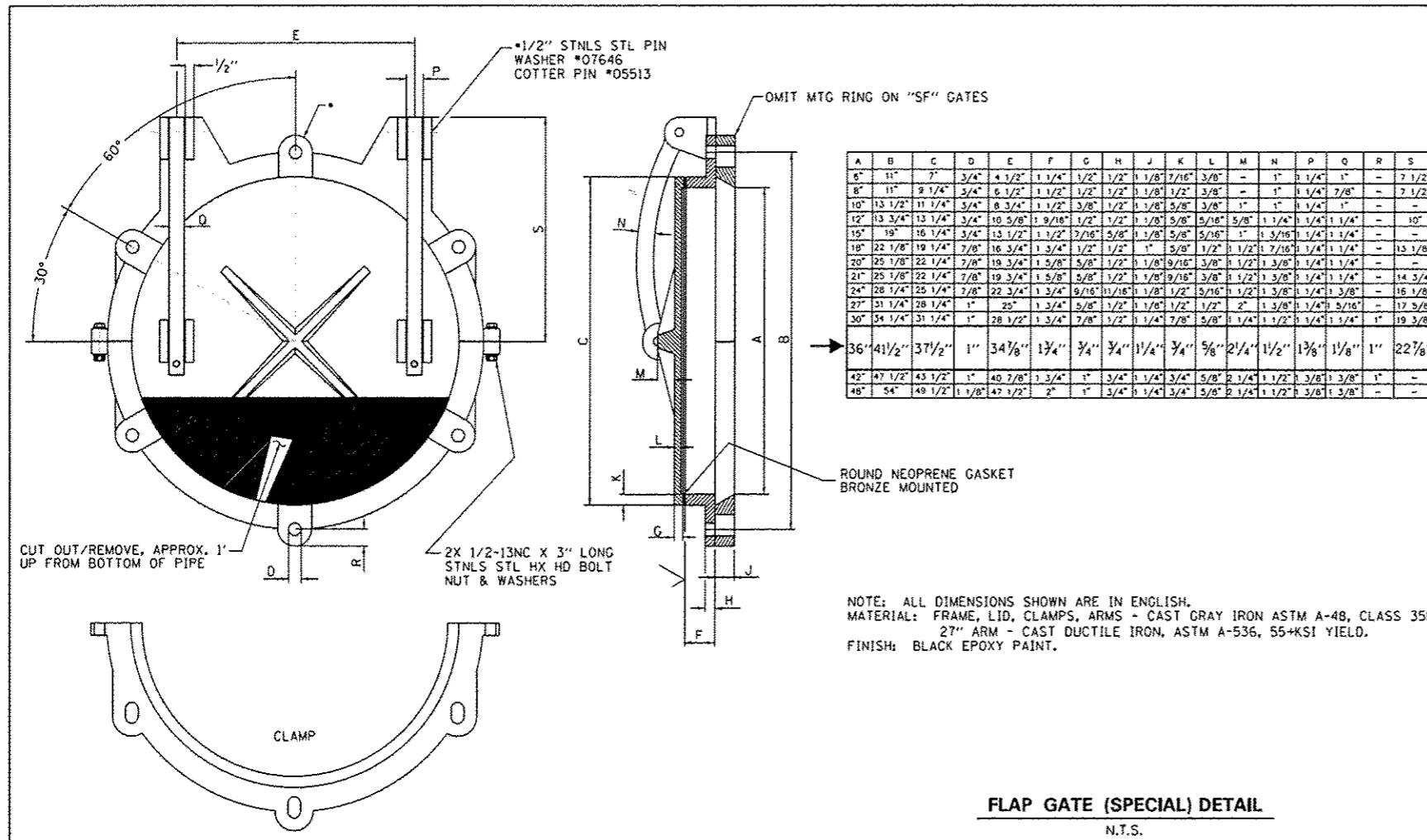
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PLOT SCALE: 28.0000' / 1"	PLOT DATE: 2/12/2013	DRAWN: CPD	REVISED:
		CHECKED: MJO	REVISED:
		DATE: 2/1/2013	REVISED:

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES
IDNR ILLINOIS BEACH STATE PARK**

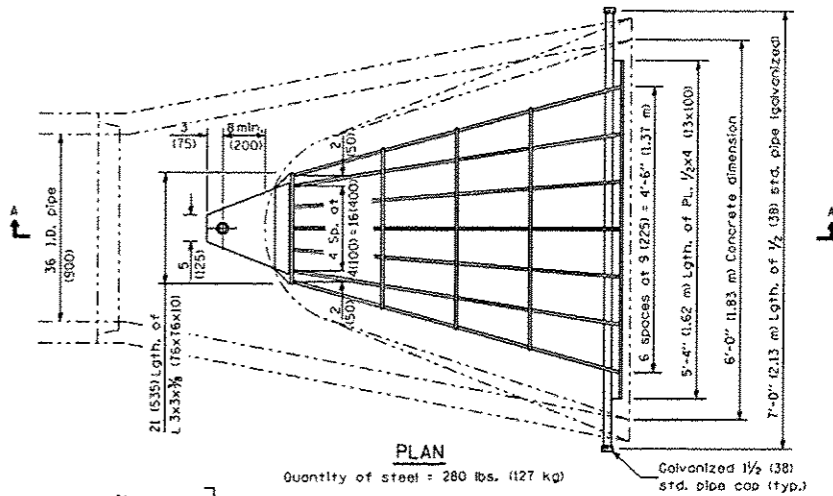
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	57
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				

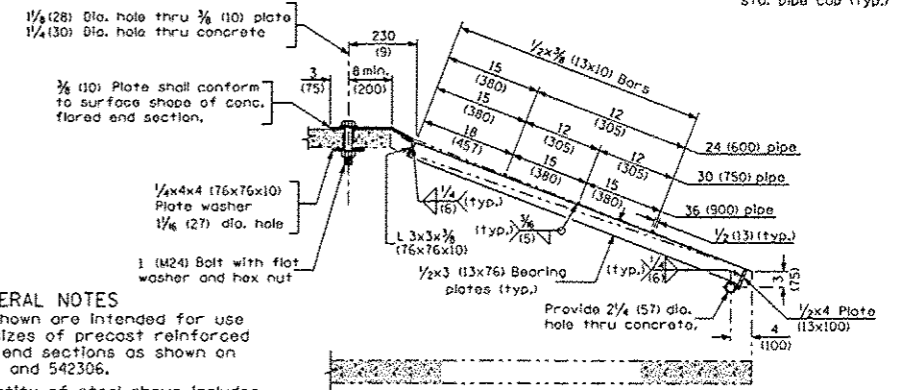


FLAP GATE (SPECIAL) DETAIL

N.T.S.



PLAN

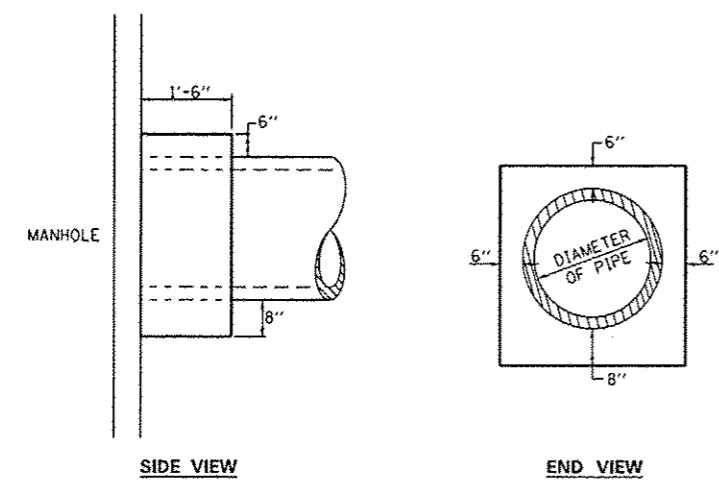


SECTION A-A

GRATING FOR CONCRETE FLARED END SECTION

N.T.S.

GENERAL NOTES
Grating details shown are intended for use with particular sizes of precast reinforced concrete flared end sections as shown on standards 542301 and 542306.
Approximate quantity of steel shown includes total quantity of grating, bolts, nuts, washers and steel pipe.
Holes in the precast concrete flared end sections shall be cored to the diameters noted. If cone-out on the other end of the hole occurs, the hole shall be filled with grout to correct the diameter of the hole.



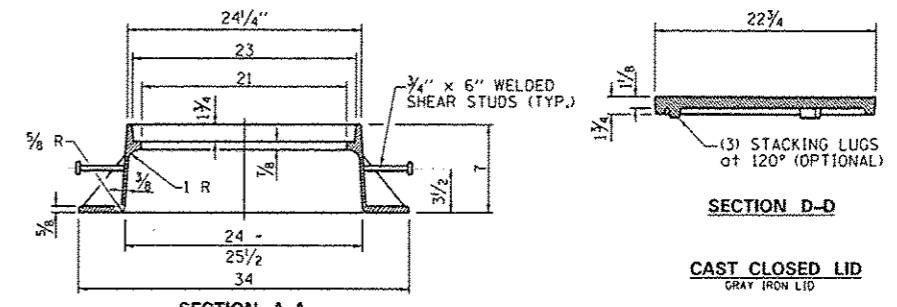
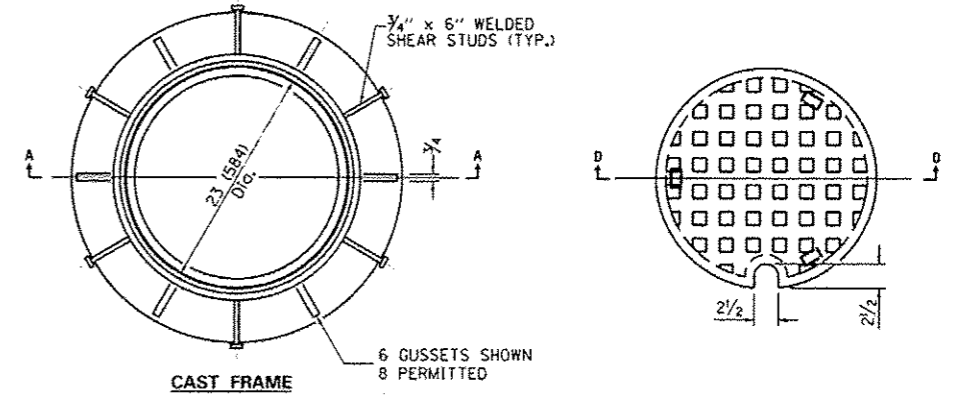
DETAILS OF CONCRETE COLAR

PIPE TO MANHOLE
N.T.S.

TABULATION

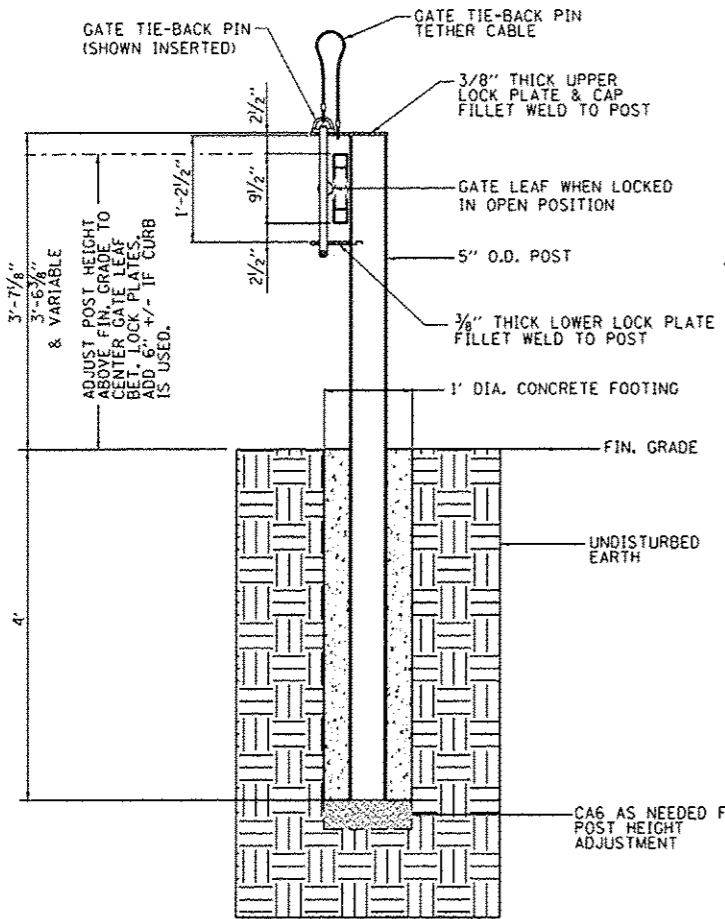
DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE COLLAR, AS SHOWN ON THE PLANS.
CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

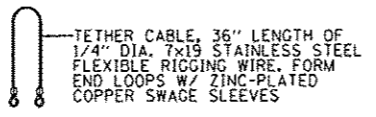


FRAMES AND LIDS (SPECIAL)

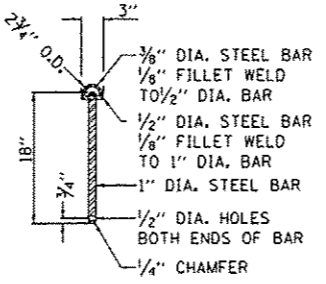
N.T.S.



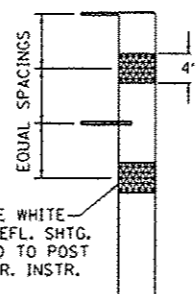
ELEVATION
SWING GATE TIE-BACK POST DETAILS
N.T.S.



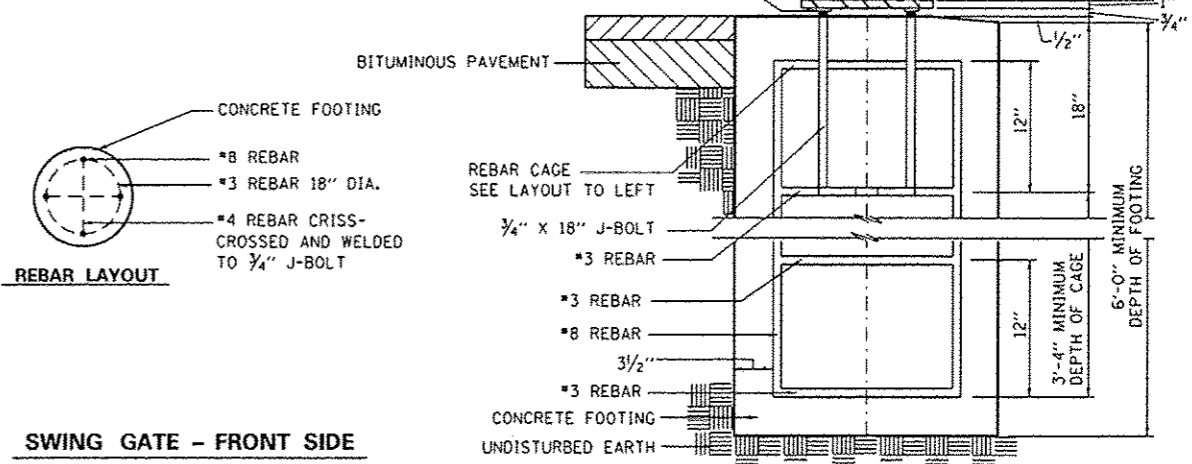
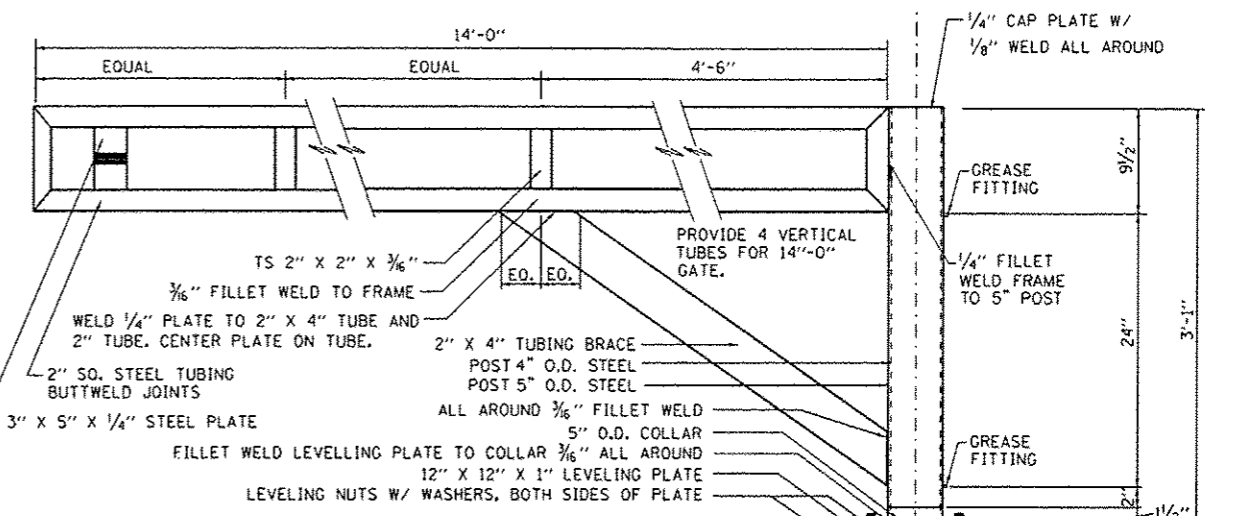
TIE-BACK PIN TETHER CABLE DETAIL



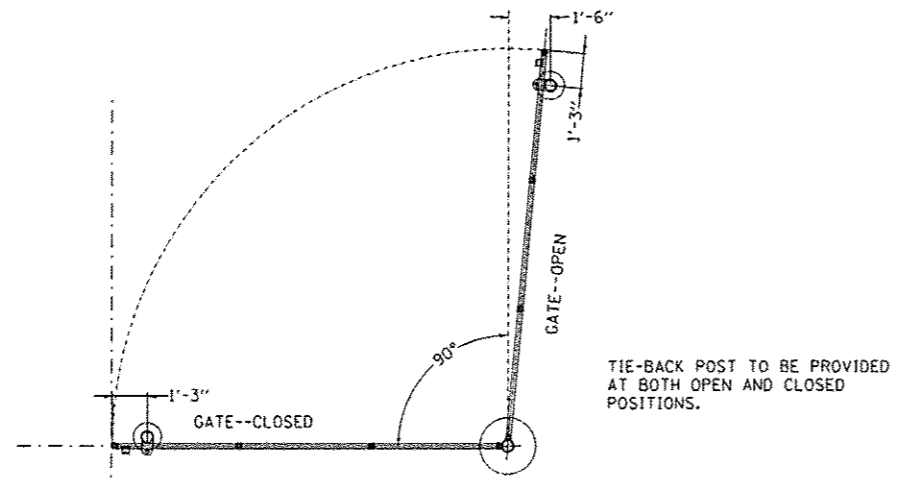
GATE TIE-BACK PIN DETAIL



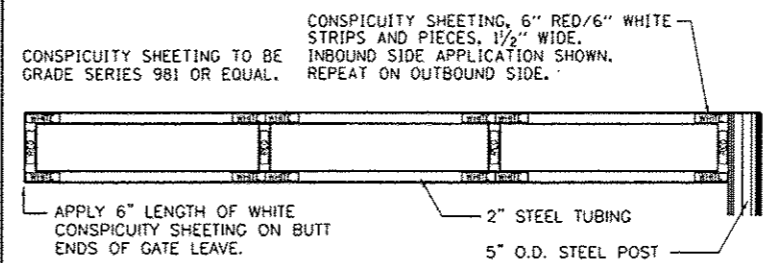
RETROREFLECTIVE SHEETING DETAIL



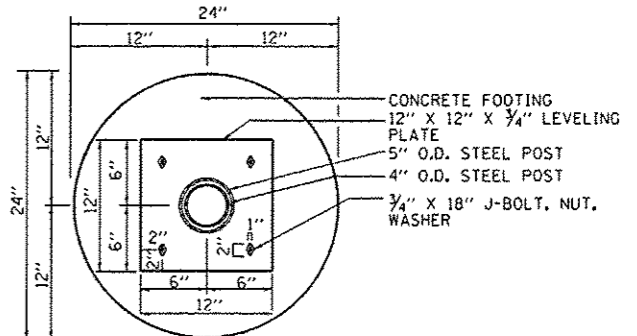
SWING GATE - FRONT SIDE
REBAR ELEVATION/SECTION
N.T.S.



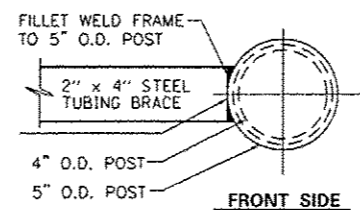
SWING GATE TIE-BACK POST
SITE PLAN
N.T.S.



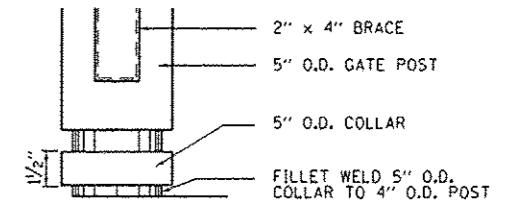
REFLECTOR LAYOUT
INBOUND AND OUTBOUND SIDES TO MATCH
N.T.S.



FOOTING PLAN
N.T.S.



HINGE POST
SECTION
N.T.S.



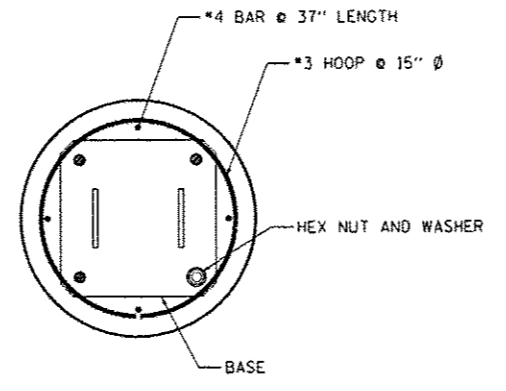
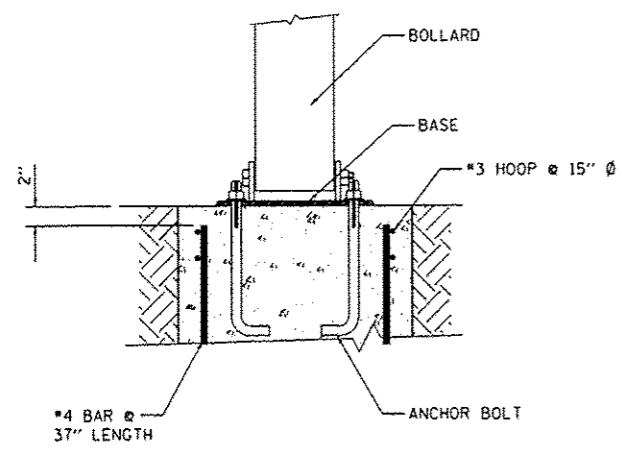
POST, SLEEVE & COLLAR
ELEVATION
N.T.S.

FILE NAME :	USER NAME :	DESIGNED :	REVISED :
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Default		DRAWN :	REVISED :
		CPD	-
		CHECKED :	REVISED :
		MJO	-
		DATE :	REVISED :
		2/1/2013	-

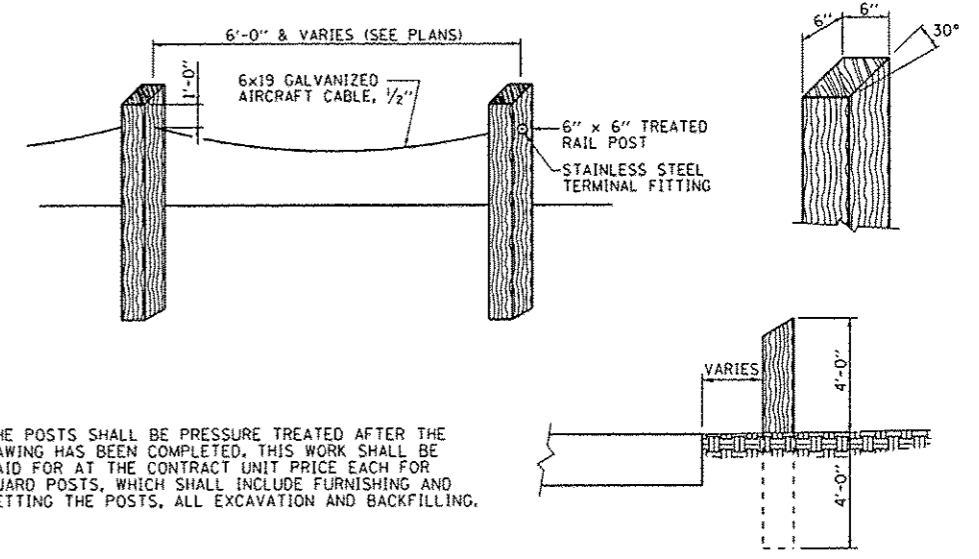
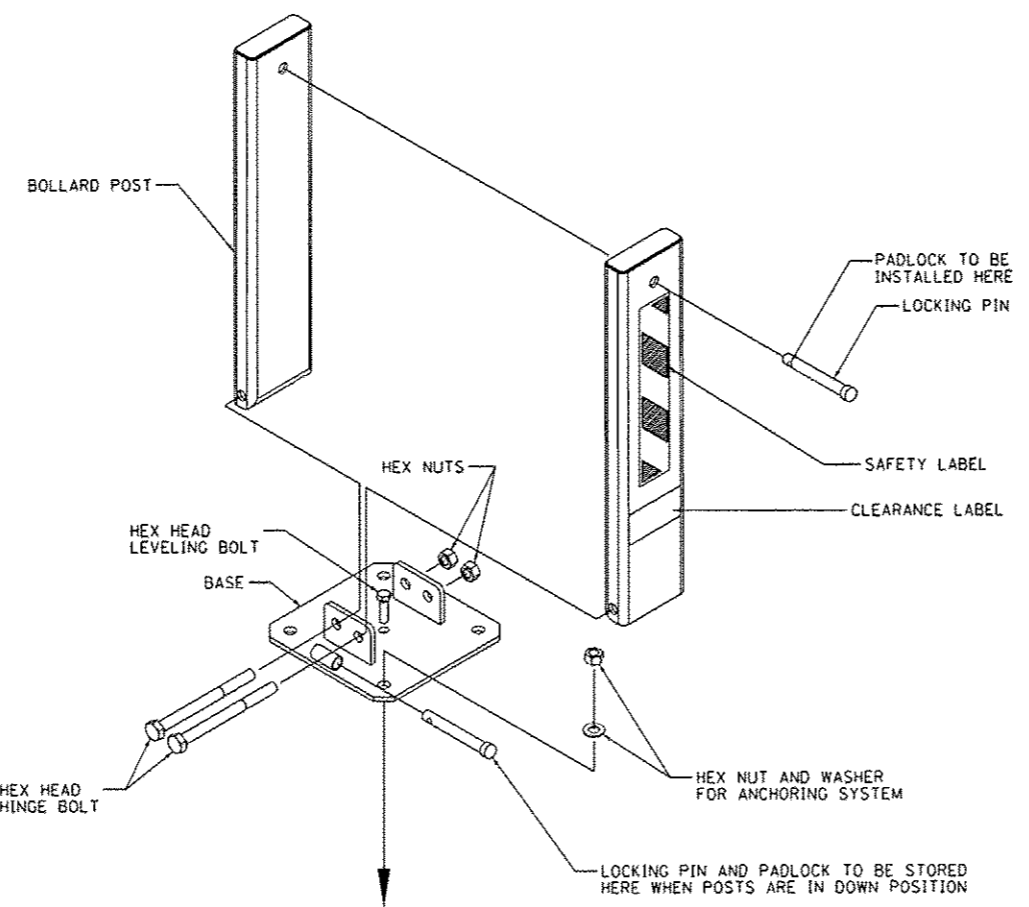
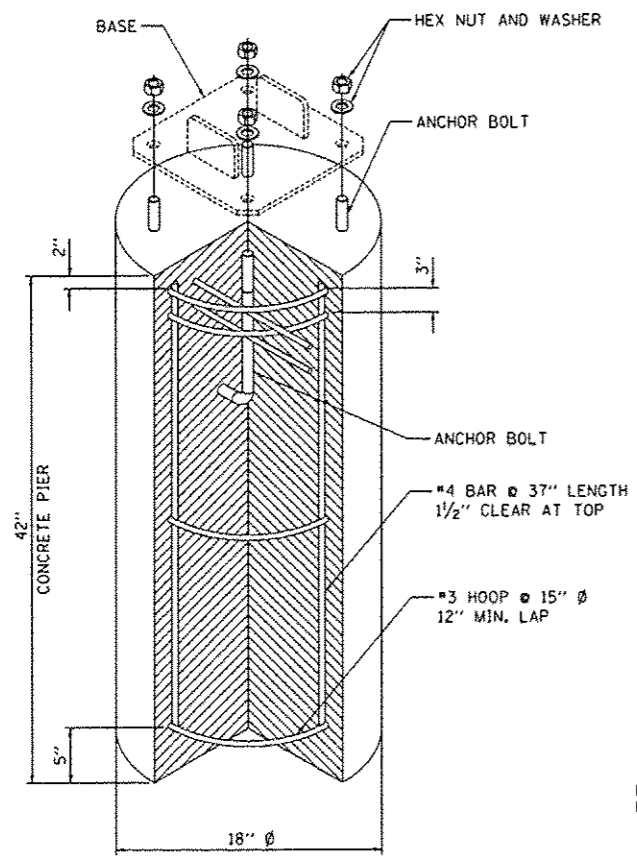
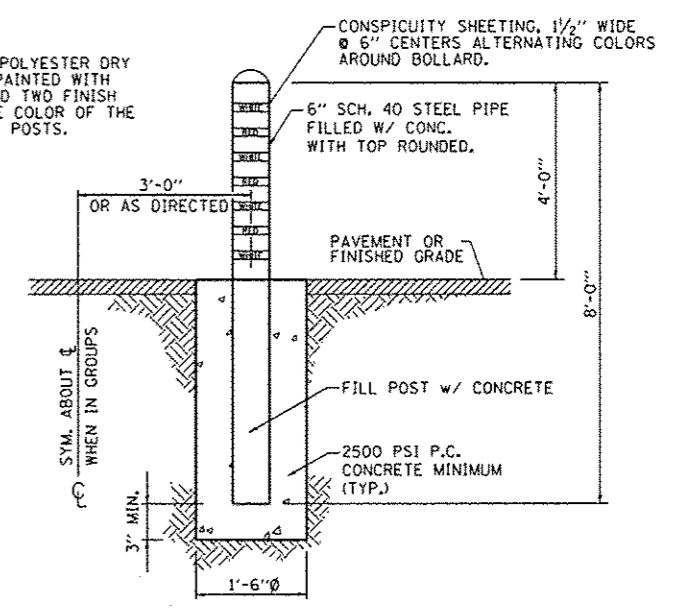
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SWING GATE DETAILS			
IDNR ILLINOIS BEACH STATE PARK			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	59
IDNR NO. 2-12-010			CONTRACT NO. 46250	
ILLINOIS FED. AID PROJECT				



NOTE:
BOLLARDS SHALL BE POLYESTER DRY POWDER COATED OR PAINTED WITH ONE PRIMER COAT AND TWO FINISH COATS TO MATCH THE COLOR OF THE TUBULAR STEEL GATE POSTS.



THE POSTS SHALL BE PRESSURE TREATED AFTER THE SAWING HAS BEEN COMPLETED. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR GUARD POSTS, WHICH SHALL INCLUDE FURNISHING AND SETTING THE POSTS, ALL EXCAVATION AND BACKFILLING.

FOLD DOWN BOLLARD

FILE NAME : L:\1007\H088B\W0.7\Draw\CADD\Sheets\0809_SECDDETAILS.dgn	USER NAME : Malt Overbay	DESIGNED - CPD	REVISED -
		DRAWN - CPD	REVISED -
		CHECKED - MJO	REVISED -
		DATE - 2/1/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOLLARD DETAILS			
IDNR ILLINOIS BEACH STATE PARK			
SCALE:	SHEET	OF	SHEETS
		STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	PARK ROADS	LAKE	60	60
IDNR NO. 2-12-010		CONTRACT NO. 46250		
ILLINOIS FED. AID PROJECT				