

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
1004	08-00079-01-FP	COOK	46	1
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

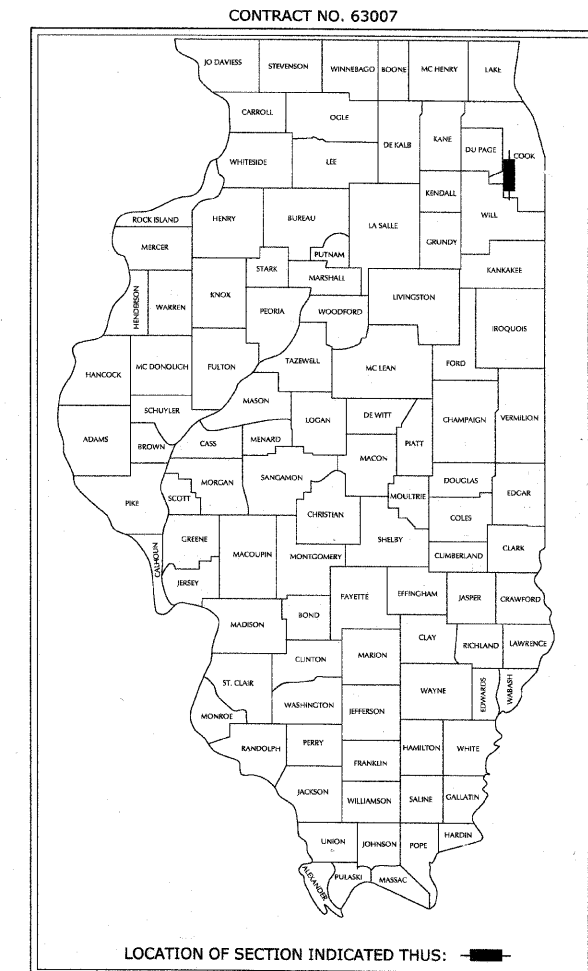
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PLANS FOR PROPOSED**  
**FEDERAL AID HIGHWAY**  
**FAU ROUTE 1004 (BLUFF AVENUE)**  
**SECTION 08-00079-01-FP**  
**COSSITT AVENUE (FAU ROUTE 1365) TO**  
**BURLINGTON AVENUE (FAU ROUTE 3557)**  
**PROJECT NO. M-9003 (113)**  
**COOK COUNTY**  
**C-91-107-09**

FOR INDEX OF SHEETS SEE SHEET NO. 2

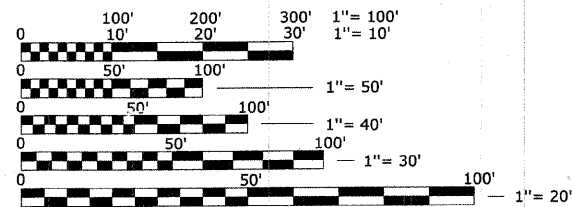
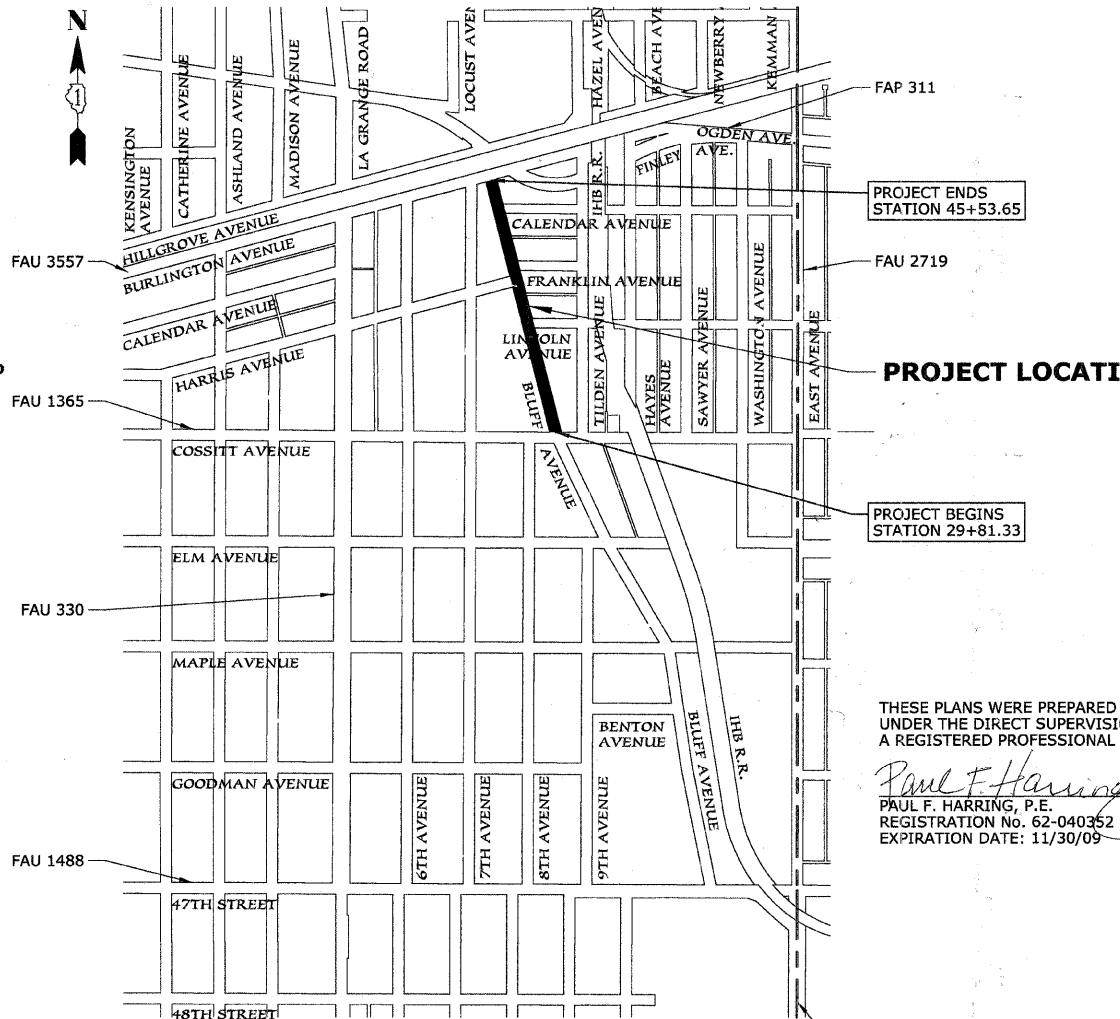
**PROJECT STAGE 1**

PROJECT LOCATED IN THE VILLAGE OF LA GRANGE

FIELD ENGINEER - MARILYN SOLOMON 847-705-4407



SECTION 4,  
TOWNSHIP 38N,  
RANGE 12E  
LYONS TOWNSHIP



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.

FOR UTILITY INFORMATION  
CALL J.U.L.I.E.  
1-800-892-0123

TRAFFIC DATA  
4,157 ADT BLUFF AVENUE (2025 EST.)  
SPEED LIMIT = 25 MPH

GROSS LENGTH OF PROJECT = 1,572.32 LINEAL FEET = 0.298 MILES  
NET LENGTH OF PROJECT = 1,572.32 LINEAL FEET = 0.298 MILES

CONTRACT NO. 63007

THESE PLANS WERE PREPARED BY HEUER AND ASSOCIATES, P.C. UNDER THE DIRECT SUPERVISION OF PAUL F. HARRING, P.E., A REGISTERED PROFESSIONAL ENGINEER OF THE STATE OF ILLINOIS.

*Paul F. Harring*  
PAUL F. HARRING, P.E.  
REGISTRATION No. 62-040352  
EXPIRATION DATE: 11/30/09

DATE: 8-29-2008



**HEUER AND ASSOCIATES**

Consulting Engineers  
2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

APPROVED *[Signature]* 10/20/08  
VILLAGE PRESIDENT, VILLAGE OF LA GRANGE

PASSED *[Signature]* 11/06/08 2008  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW *[Signature]* 11/07/08 2008  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

EXISTING SYMBOL	PROPOSED SYMBOL	DESCRIPTION								
		DECIDUOUS TREE								
		EVERGREEN TREE								
		HANDHOLE, TYPE A								
		CONCRETE LIGHTPOLE - ARM TYPE								
		LIGHTPOLE - LA GRANGE RESIDENTIAL STANDARD								
		POWER POLE								
		MANHOLE								
		CATCHBASIN								
		INLET								
		VALVE & VAULT								
		VALVE BOX								
		B-BOX								
		FIRE HYDRANT								
		ELECTRICAL VAULT								
		TELEPHONE VAULT								
		ELECTRIC CABLE								
		GAS MAIN								
		TELEPHONE CABLE/DUCT								
		WATER MAIN								
		COMBINATION SEWER								
		SANITARY SEWER								
		STORM SEWER								
		SEWER SERVICE								
		WATER SERVICE								
<table border="1"> <tr> <td>MANHOLE</td> <td>STRUCTURE #</td> </tr> <tr> <td>RIM=704.99</td> <td>RIM: 600.00</td> </tr> <tr> <td>INV=692.51 N</td> <td>INV: 595.00</td> </tr> <tr> <td>INV=692.51 S</td> <td></td> </tr> </table>	MANHOLE	STRUCTURE #	RIM=704.99	RIM: 600.00	INV=692.51 N	INV: 595.00	INV=692.51 S			STRUCTURE RIM AND INVERTS
MANHOLE	STRUCTURE #									
RIM=704.99	RIM: 600.00									
INV=692.51 N	INV: 595.00									
INV=692.51 S										
		COMBINATION CURB AND GUTTER								
		PROPOSED P.C.C. DRIVEWAY								
		PROPOSED P.C.C. SIDEWALK								
		PROPOSED TRANSITION PATCH								
		PROPOSED HMA SURFACE COURSE - BUTT JOINT								
		PROPOSED DETECTABLE WARNING PLATE								

INDEX OF SHEETS	
SHEET NUMBER	DRAWING TITLE
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND LEGEND
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5-6	SCHEDULE OF QUANTITIES
7	TYPICAL SECTIONS
8	ALIGNMENT, TIES AND ELEVATION CONTROL
9	MAINTENANCE OF TRAFFIC
10	STORM WATER POLLUTION PREVENTION PLAN
11	ROUTE OUTLET MAP
12-14	EXISTING CONDITIONS
15-17	REMOVAL AND EROSION CONTROL PLAN
18-20	PAVEMENT PLAN AND PROFILE
21-23	DRAINAGE AND UTILITY IMPROVEMENTS
24-26	WATER MAIN IMPROVEMENTS
27-29	ELECTRICAL/STREETLIGHTING PLAN
30-32	PAVEMENT MARKINGS, SIGNING AND LANDSCAPING
33-38	STATIONED CROSS-SECTIONS
39-46	CONSTRUCTION DETAILS - SPECIAL

STATE STANDARDS	
STANDARD No.	DRAWING TITLE
280001-01 701501-05 701801-04 704901-01 725001-01 780001-02	TEMPORARY EROSION CONTROL SYSTEMS URBAN LANE CLOSURE, 2L, 2W UNDIVIDED SIDEWALK CLOSURE TRAFFIC CONTROL DEVICES APPLICATIONS OF TYPES A & B METAL POSTS FOR SIGNS AND MARKERS TYPICAL PAVEMENT MARKINGS
DISTRICT 1 STANDARDS TC 11 TC 13	RAISED REFLECTIVE PAVEMENT MARKERS TYPICAL PAVEMENT MARKING

DATE	BY	REVISIONS

DATE	BY	REVISIONS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION <b>BLUFF AVENUE IMPROVEMENTS STAGE 1</b>
NAME	DATE	
		<b>INDEX OF SHEETS, STATE STANDARDS AND LEGEND</b>

SCALE: DATE 07/18/2008 DRAWN BY H&A CHECKED BY PFH

**GENERAL NOTES**

1. ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE SPECIFICATIONS, GENERAL CONDITIONS, SPECIAL PROVISIONS, AND OTHER CONTRACT REQUIREMENTS OF THE OWNER; CODES, STANDARDS, AND ORDINANCES OF THE VILLAGE OF LA GRANGE; PLANS, DETAILS, AND SPECIFICATIONS ISSUED BY THE ENGINEER; THE APPLICABLE PROVISIONS OF THE 2007 EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION"; THE 2003 EDITION OF THE "ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE 1996 EDITION OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS"; AND THE 1999 EDITION OF THE "MANUAL OF PROCEDURES FOR THE ADMINISTRATION OF A SEWER PERMIT ORDINANCE"; INCLUDING ALL APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND REVISIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UNDERGROUND UTILITIES AND SHALL CONTACT J.U.L.I.E. (1-800-892-0123), THE OWNER, AND EACH OF THE OTHER MUNICIPAL, GOVERNMENTAL AND/OR PRIVATE UTILITY COMPANIES, WHICH MAY HAVE THEIR FACILITIES LOCATED WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENTS TO AID IN THE LOCATION OF FACILITIES. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ALL PERMITTING AGENCIES AT LEAST TWO (2) WORKING DAYS OF NOTICE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER, AND THE ENGINEER FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, DIRECT, INDIRECT, OR CONSEQUENTIAL, ARISING OUT OF, OR FROM THE PERFORMANCE OF THE WORK.
4. ALL FENCES, BUILDINGS, WALKWAYS, TREES, LANDSCAPING, AND OTHER EXISTING FEATURES IN PRIVATE PROPERTY AREAS ADJACENT TO THE PROJECT LIMITS SHALL BE PROTECTED FROM DAMAGE DURING THE COURSE OF CONSTRUCTION, UNLESS OTHERWISE SPECIFIED BY THE OWNER. DAMAGED PROPERTY SHALL BE RESTORED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER WITHOUT ADDITIONAL COMPENSATION.
5. ALL SAW CUTTING REQUIRED TO DEFINE PAVEMENT REMOVAL LIMITS OR TO CUT OTHER MATERIALS REQUIRED IN THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE CONSIDERED AS INCIDENTAL TO THE PAVING WORK.
6. THE CONTRACTOR SHALL PROTECT PAVEMENTS, WALKS, CURBS, BURIED STRUCTURES, AND OTHER SUCH FEATURES WITHIN AND ADJACENT TO THE PAVEMENT WORK ZONE NOT DESIGNATED FOR REMOVAL. DAMAGED MATERIALS SHALL BE REPLACED AT THE SOLE EXPENSE OF THE CONTRACTOR.
7. ALL TRENCHES SHALL BE EXCAVATED AT THE MINIMAL WIDTH REQUIRED TO INSTALL THE SEWER PIPE, AS INDICATED IN THE PLAN DETAILS. THE CONTRACTOR SHALL MAKE ALLOWANCES FOR ANY SHEETING, SHORING, BRACING, TRENCH BOXES, OR OTHER MEASURES REQUIRED TO INSTALL THE SEWER AND MAINTAIN MINIMAL TRENCH WIDTHS. THE CONTRACTOR SHALL MAKE PROVISIONS TO MANAGE GROUND WATER OR SEWER FLOW BY PUMPING OR FLUMING THROUGH THE WORK ZONE DURING THE COURSE OF CONSTRUCTION. ALL TRENCH SUPPORT OR WATER MANAGEMENT MEASURES REQUIRED SHALL BE CONSIDERED AS INCIDENTAL TO THE SEWER WORK.
8. THE CONTRACTOR SHALL MANAGE THE PLACEMENT AND HANDLING OF ALL NEW MATERIALS AND WASTE MATERIALS GENERATED BY THE CONSTRUCTION OPERATIONS. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF SOIL AND AGGREGATE ONTO PUBLIC THOROUGHFARES. AT THE END OF EACH WORK DAY THE CONTRACTOR SHALL PERFORM SITE MAINTENANCE REMOVING AND/OR RELOCATING MATERIALS WHICH INTERFERE WITH PUBLIC USE OF AREAS ADJACENT TO THE WORK ZONE, KEEPING SIDEWALKS, ROADWAYS, AND OTHER PASSAGE-WAYS FREE OF ACCUMULATIONS OF WATER, MUD, SPOIL, AND OTHER CONSTRUCTION DEBRIS.
9. ALL DISTURBED LANDSCAPE AREAS SHALL BE RESTORED WITH THE SPECIFIED LANDSCAPE MATERIALS IN ACCORDANCE WITH SEASONAL AND PROJECT PLANTING SCHEDULES. A MINIMUM OF FOUR INCHES OF TOPSOIL SHALL BE PLACED ON CLEAN PREPARED SOILS WHERE LANDSCAPE AREAS ARE TO BE ESTABLISHED. PROVISIONS SHALL BE MADE FOR WATERING AND MAINTENANCE UNTIL PLANTING MATERIALS HAVE BECOME ESTABLISHED AS OUTLINED IN SECTION 253 OF THE IDOT STANDARD SPECIFICATIONS.
10. THE CONTRACTOR SHALL RECORD DIMENSIONS AND ELEVATIONS OF CONSTRUCTED UTILITIES AND MAINTAIN A COPY OF THE SUCH RECORDS ON MARKED DRAWINGS TO DOCUMENT CHANGES. THE RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER AT THE COMPLETION OF THE CONSTRUCTION WORK.

**MWRD GENERAL NOTES**

1. THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRDGC), LOCAL SEWER SYSTEMS SECTION, FIELD OFFICE SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF SEWER WORK TO COORDINATE INSPECTION SERVICES, (708-588-4055).
2. THE PLAN ELEVATIONS ARE BASED UPON A USGS DATUM ELEVATION. THE CITY OF CHICAGO STANDARD DATUM IS 579.48 FEET LOWER THAN THE PLAN DATUM.
3. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
4. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE GROUND SURFACE OR STORM WATER DRAINAGE SYSTEM.
5. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN COMBINED SEWER AREAS) SHALL CONFORM TO FOLLOWING LISTED SPECIFICATIONS:
  - MATERIAL: POLY VINYL CHLORIDE (PVC)  
CYLINDER SPECIFICATION: SDR 26, ASTM D-3034  
JOINT SPECIFICATION: ASTM D-3212
  - MATERIAL: CEMENT LINED CAST DUCTILE IRON (DI)  
CYLINDER SPECIFICATION: CLASS 52, ANSI A-21.51  
JOINT SPECIFICATION: ANSI A-21.11
  - MATERIAL: REINFORCED CONCRETE PIPE (RCP)  
CYLINDER SPECIFICATION: ASTM C-76  
JOINT SPECIFICATION: ASTM C-443 OR ASTM D-361
6. ALL SANITARY SEWER CONSTRUCTION, AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS, REQUIRES STONE BEDDING WITH A 1/4 INCH TO 1 INCH GRADATION WITH A MINIMUM BEDDING THICKNESS EQUAL TO ONE QUARTER OF THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN 4 INCHES NOR MORE THAN 8 INCHES IN THICKNESS. THE BEDDING MATERIAL SHALL ALSO BEING PLACED TO A DEPTH OF AT LEAST 12 INCHES ABOVE THE TOP OF THE SEWER PIPE WHEN USING PVC SEWER MATERIAL. ALL BEDDING MATERIAL SHALL CONSIST OF CRUSHED LIMESTONE, CONFORMING TO IDOT GRADATION CA-11 OR CA-13.
7. NON-SHEAR TYPE FLEXIBLE TYPE COUPLINGS, FERNCO, BAND-SEAL, OR EQUAL SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR MATERIALS, AND TO JOIN NEW AND OLD PIPE OR SIMILAR COMPOSITION WHEN POINT REPAIRS ARE REQUIRED.
8. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR MANHOLE, THE CONNECTION CAN BE MADE BY (A) INSTALLING A NEW MANHOLE TO ACCEPT THE PROPOSED BRANCH SEWER; OR (B) BY CIRCULAR SAW-CUTTING THE SEWER MAIN WITH A PROPER TAPPING MACHINE AND THE INSTALLATION OF AN APPROVED HUB WYE SADDLE OR HUB TEE SADDLE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION; OR (C) BY REMOVING AN ENTIRE SECTION OF PIPE AND INSTALLING A MANUFACTURED WYE OR TEE FITTING. WHEN REMOVING THE PIPE SECTION A PIPE CUTTER, SHALL BE USED TO NEATLY AND ACCURATELY CUT OUT A DESIRED LENGTH OF PIPE FOR INSERTION OF THE PROPER FITTING. BAND-SEAL OR SIMILAR FLEXIBLE COUPLINGS ARE TO BE USED TO FASTEN AND SECURE THE INSERTED FITTING AND PIPE TO THE EXISTING SEWER.
9. WHEREVER A SANITARY OR COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN THE SEWERS AND WATER MAINS SHALL BE MAINTAINED UNLESS THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM OF 18 INCHES VERTICAL SEPARATION; OR THE SEWER IS LAID SO THAT THE WATERMAIN IS LOCATED IN THE SAME TRENCH ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18 INCH VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATERMAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS.
10. ALL EXISTING SEPTIC TANKS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
11. ALL SANITARY MANHOLES, AND ALSO STORM MANHOLES IN COMBINED SEWER AREAS, SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES AND SHALL BE CAST IN PLACE OR PRECAST REINFORCED CONCRETE. ALL SANITARY SEWER PIPE CONNECTIONS TO MANHOLES SHALL BE CONSTRUCTED USING RESILIENT CONNECTORS OR COUPLINGS CONFORMING TO ASTM C923 TO MAINTAIN A WATERTIGHT SEAL.
12. ALL SEWER CONSTRUCTION SHALL CONFORM TO THE PLANS, OR REVISED PLANS, AS APPROVED UNDER THE PERMIT ISSUED BY THE MWRDGC.
13. THE MAXIMUM ALLOWABLE RATE OF INFILTRATION FOR SANITARY SEWERS SHALL NOT EXCEED 100 HUNDRED GALLONS PER TWENTY-FOUR HOURS, PER MILE, PER INCH-DIAMETER OF PIPE.
14. ALL SANITARY SEWERS SHALL BE INSPECTED AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MWRD.
15. ABANDONED PIPES OR CONDUITS, SHALL BE REMOVED AND/OR SECURELY PLUGGED WITH CONCRETE EXTENDING A MINIMUM LENGTH OF 2 FEET.

PLAN	DATE	BY

PROFILE	DATE	BY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS  
 STAGE 1**  
 GENERAL NOTES

SCALE:                                                  DRAWN BY H&A  
 DATE 07/18/2008                                          CHECKED BY PFH

**HEUER AND ASSOCIATES**

Consulting Engineers  
2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
1004	08-00079-01-FP	COOK	46	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT No. 63007

SUMMARY OF QUANTITIES						
#	CODE #	CONTRACT ITEM	QTY	UNIT	STU 1000	NON-PART
1	20101400	NITROGEN FERTILIZER NUTRIENT	27	POUND	27	
2	20101500	PHOSPHORUS FERTILIZER NUTRIENT	27	POUND	27	
3	20101600	POTASSIUM FERTILIZER NUTRIENT	27	POUND	27	
4	20101700	SUPPLEMENTAL WATERING	30	UNIT	30	
5	20200100	EARTH EXCAVATION	886	CU YD	886	
6	20200200	ROCK EXCAVATION	25	CU YD	25	
7	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	5,786	SQ YD	5,786	
8	21101615	TOPSOIL FURNISH AND PLACE, 4"	2,201	SQ YD	2,201	
9	25200650	SODDING, SALT TOLERANT, SPECIAL	2,201	SQ YD	2,201	
10	28000510	INLET FILTERS	18	EACH	18	
11	31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	1,505	TON	1,505	
12	40201000	AGGREGATE FOR TEMPORARY ACCESS	36	TON	36	
13	40600100	BITUMINOUS MATERIALS (PRIME COAT)	2,264	GALLON	2,264	
14	40600300	AGGREGATE (PRIME COAT)	10	TON	10	
15	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	264	SQ YD	264	
16	40701921	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12"	5,031	SQ YD	5,031	
17	42001300	PROTECTIVE COAT	2,350	SQ YD	2,350	
18	42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	446	SQ YD	446	
19	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	10,763	SQ FT	10,763	
20	44001900	COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)	3,179	FOOT	3,179	
21	44004400	PAVEMENT REMOVAL (SPECIAL)	5,376	SQ YD	5,376	
22	44004700	SIDEWALK REMOVAL (SPECIAL)	11,309	SQ FT	11,309	
23	550B0320	STORM SEWERS, CLASS B, TYPE 2 8"	253	FOOT	253	
24	550B0330	STORM SEWERS, CLASS B, TYPE 2 10"	81	FOOT	81	
25	550B0340	STORM SEWERS, CLASS B, TYPE 2 12"	443	FOOT	443	
26	550B0360	STORM SEWERS, CLASS B, TYPE 2 15"	22	FOOT	22	
27	56103000	DUCTILE IRON WATER MAIN 6"	12	FOOT		12
28	56103100	DUCTILE IRON WATER MAIN 8"	10	FOOT		10
29	56103300	DUCTILE IRON WATER MAIN 12"	732	FOOT		732
30	56105200	WATER VALVES 12"	3	EACH		3
31	56400500	FIRE HYDRANT TO BE REMOVED	2	EACH		2
32	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	2	EACH		2
33	60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	7	EACH		7
34	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	4	EACH		4
35	60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	5	EACH		5
36	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	3	EACH		3
37	60250200	CATCH BASINS TO BE ADJUSTED	7	EACH		7
38	60255500	MANHOLES TO BE ADJUSTED	2	EACH		2
39	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	2	EACH		2
40	60500040	REMOVING MANHOLES	1	EACH		1
41	60500050	REMOVING CATCH BASINS	8	EACH		8

SUMMARY OF QUANTITIES						
#	CODE #	CONTRACT ITEM	QTY	UNIT	STU 1000	NON-PART
42	60500060	REMOVING INLETS	2	EACH		2
43	60600605	CONCRETE CURB, TYPE B	140	FOOT		140
44	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	3,181	FOOT		3,181
45	66700095	PERMANENT SURVEY MARKERS	1	EACH		1
46	67100100	MOBILIZATION	1	L SUM		1
47	70101700	TRAFFIC CONTROL AND PROTECTION	1	L SUM		1
48	70101900	TRAFFIC CONTROL AND PROTECTION (DETOUR 1)	1	L SUM		1
49	72000100	SIGN PANEL - TYPE 1	109	SQ FT		109
50	72800100	TELESCOPING STEEL SIGN SUPPORT	225	FOOT		225
51	78000100	THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS	16	SQ FT		16
52	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	315	FOOT		315
53	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	80	FOOT		80
54	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	54	FOOT		54
55	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	86	FOOT		86
56	78100100	RAISED REFLECTIVE PAVEMENT MARKER	70	EACH		70
57	X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	3	EACH		3
58	XX000717	STORM SEWER CONNECTION, SPECIAL	2	EACH		2
59	XX001047	VALVE VAULTS TO BE ABANDONED	2	EACH		2
60	XX001109	PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8"	42	SQ YD		42
61	XX002981	BUFFALO BOX ADJUSTMENT, SPECIAL	12	EACH		12
62	XX003037	DUCTILE IRON FITTINGS AND ACCESSORIES	4,100	POUND		4,100
63	XX003160	CAST IRON VAPOR TRAPS	7	EACH		7
64	XX003531	WATER SERVICE CONNECTION 1"	19	EACH		19
65	XX003803	SANITARY SEWER SERVICE, 6"	264	FOOT		264
66	XX004382	PRESSURE TESTING AND DISINFECTION	1	EACH		1
67	XX004384	SHUT DOWN CONNECTION	2	EACH		2
68	XX005314	BITUMINOUS DRIVEWAY REMOVAL	204	SQ YD		204
69	XX006698	TREE PROTECTION AND PRESERVATION	49	EACH		49
70	XX007357	CLASS C PATCHES (SPECIAL)	24	SQ YD		24
71	XX007358	CLASS D PATCHES (SPECIAL)	58	SQ YD		58
72	XX007533	COPPER WATER SERVICE IN TRENCH, 1"	597	FOOT		597
73	XX007729	DETECTABLE WARNINGS, SPECIAL	160	SQ FT		160
74	XX007535	GULFBOX TO BE ADJUSTED	5	EACH		5
75	XX000405	BUTT JOINTS, SPECIAL	264	SQ YD		264
76	XX000760	MULCH PLACEMENT, SPECIAL	48	EACH		48
78	84400105	RELOCATE EXISTING LIGHTING UNIT	1	EACH		1
79	XX007754	TRENCH BACKFILL, CA-11	160	CU YD		82
80	XX005595	TRENCH BACKFILL, CA-6	885	CU YD		371

\* = DENOTES SPECIALTY ITEM

PLAN  
DATE  
BY  
SURVEYED  
PLOTTED  
CHECKED  
NOTE BOOK  
NO.  
STRUCTURE NOTATIONS  
NO.

PROFILE  
DATE  
BY  
SURVEYED  
PLOTTED  
CHECKED  
NOTE BOOK  
NO.  
STRUCTURE NOTATIONS  
NO.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS  
STAGE 1**

**SUMMARY OF QUANTITIES**

SCALE: DATE 08/28/2008 DRAWN BY H&A CHECKED BY PFA

<b>SCHEDULE OF QUANTITIES - STRUCTURES</b>																				
STRUCTURE INFO					EXISTING PAY ITEM								PROPOSED PAY ITEM							
SHEET	STR. NO.	STATION	OFFSET	BASE LINE	FH REMOVE	CB ADJUST	MH ADJUST	MH ADJUST, TY 1 F&CL	MH REMOVE	CB REMOVE	INL REMOVE	VV ABANDON, REM CN F&L	12" VALVE	FH AUX VALVE & BOX	CB TY A TY 23 F&G	MH TY A TY 1 F&CL	INL TY A TY 23 F&G	VV TY A TY 1 F&CL	STREET LIGHT RELOCATE	
					* 56400500	* 60250200	* 60255500	* 60255800	* 60500040	* 60500050	* 60500060	* XX001047	* 56105200	* 56400820	* 60201330	* 60218400	* 60237460	* 60248900		
24	2995	29+95.00	20.37'R	5									1						1	
21	2999	29+99.38	12.30'R	5		1														
21	3004	30+04.49	14.18'L	5		1														
21	3169	31+68.98	2.51'L	5				1												
21	3200	32+00.00	13.50'L	5													1			
21	3201	32+00.00	13.50'R	5											1					
24	3270	32+70.00	20.00'R	5										1						
24	3334	33+33.52	17.00'R	5	1															
21	3359	33+59.36	11.97'R	5						1										
21	3360	33+59.72	15.53'L	5						1										
22	3402	34+02.00	13.50'L	5													1			
22	3403	34+02.00	13.50'R	5											1					
28	3555	35+55.00	18.00'R	5															1	
25	3607	36+07.00	20.00'R	5										1						
25	3622	36+22.39	11.57'R	5									1							
25	3623	36+22.00	27.00'R	5									1						1	
25	3627	36+27.24	17.59'R	5	1															
22	3641	36+40.89	32.43'R	5		1														
22	3659	36+59.00	13.50'L	5											1					
22	3666	36+66.39	4.40'R	5				1												
25	3672	36+72.49	7.52'R	5									1							
22	3675	36+75.13	16.75'R	5		1														
22	3676	36+75.27	15.22'L	5						1										
25	3688	36+88.00	27.00'R	5									1							1
22	3871	38+71.14	16.34'L	5			1													
22	3881	38+81.19	17.70'L	5		1														
22	3882	38+81.44	14.71'L	5						1										
23	3975	39+74.84	14.22'L	5						1										
23	3978	39+80.00	18.50'L	5			1													
23	3986	39+85.70	33.07'R	5		1														
23	4013	40+13.29	23.77'L	5												1				
23	4014	40+14.06	32.99'R	5		1														
23	4055	40+55.00	13.50'L	5											1					
23	4056	40+55.00	13.50'R	5													1			
23	4182	41+82.00	18.50'L	5				1												
23	4306	43+06.00	13.50'L	5											1					
23	4307	43+06.00	13.50'R	5													1			
23	4332	43+32.19	22.46'R	5						1										
23	4334	43+34.42	13.15'L	5						1										
23	4346	43+46.00	36.00'R	5												1				
23	4361	43+61.35	23.77'L	5												1				
23	4366	43+65.86	19.92'R	5											1	1				
23	4462	44+61.57	17.00'L	5												1				
23	4506	45+06.00	13.50'L	5											1					
23	4507	45+06.00	13.50'R	5													1			
23	4525	45+25.17	12.92'L	5						1										
23	4530	45+30.27	15.11'R	5							1									
23	4531	45+30.49	18.00'R	5						1										
<b>TOTALS</b>					<b>51</b>	<b>2</b>	<b>7</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>7</b>	<b>4</b>	<b>5</b>	<b>3</b>	<b>1</b>

<b>SCHEDULE OF QUANTITIES - SEWER PIPE</b>											
UNDERGROUND INFO						PROPOSED PAY ITEM					
SHEET	UPSTREAM STRUCTURE # or (STATION)	UPSTREAM DEPTH	DOWNSTREAM STRUCTURE # or (STATION)	DOWNSTREAM DEPTH	AVERAGE DEPTH	8" PVC STORM	10" PVC COMBINATION	12" PVC COMBINATION	15" PVC COMBINATION	TRENCH BACKFILL CA-6, CY	TRENCH BACKFILL CA-11, CY
						* 55080320	* 55080330	* 55080340	* 55080360	*	*
21	3200	3.00	3201	3.02	3.0	28				4.1	2.2
21	3201	3.12 (3210)	3201	3.02	4.2	19				4.9	1.5
22	3402	3.00	3403	2.98	3.0	28				4.1	2.2
22	3403	3.09 (3408)	3403	3.02	3.5	14				2.8	1.1
22	3659	3.00	3666	3.65	3.3	19				3.5	1.5
22	(3663)	3.00 (3658)	3666	3.65	3.3				22	3.3	2.9
23	3978	3.40	4013	5.11	4.3			33		22.5	3.6
23	4013	5.21	4361	6.22	5.7			348		237.3	38.3
23	4056	3.00	4055	3.52	3.3	28				5.2	2.2
23	4055	3.62 (4064)	4055	3.52	4.3	14				3.8	1.1
23	4307	3.00	4306	3.52	3.3	28				5.2	2.2
23	4306	3.62 (4315)	4306	4.28	4.0	14				3.3	1.1
23	4361	6.32	4346	6.30	6.3			62		46.3	6.8
23	4366	3.00	4346	3.78	3.4	26				4.8	2.1
23	4462	4.75 (4542)	4462	6.00	5.4		81			13.4	6.5
23	4507	2.97	4506	3.49	3.2	28				4.6	2.2
23	4506	4.36 (4512)	4506	5.00	4.7	7				1.9	0.6
<b>TOTALS</b>						<b>253</b>	<b>81</b>	<b>443</b>	<b>22</b>	<b>371</b>	<b>78</b>

<b>SCHEDULE OF QUANTITIES - WATER MAIN</b>										
UNDERGROUND INFO						PROPOSED PAY ITEM				
SHEET	STRUCTURE # or (STATION)	DEPTH	STRUCTURE # or (STATION)	DEPTH	AVERAGE DEPTH	6" DIP	8" DIP	12" DIP	TRENCH BACKFILL CA-6, CY	TRENCH BACKFILL CA-11, CY
						* 56103000	* 56103100	* 56103300	*	*
24	(2966)	5.50	2995	5.50	5.5			30	20.5	3.3
24	2995	5.50 (3270)	2995	5.50	5.5			274	186.9	30.1
24	(3270)	5.50	3270	5.50	5.5	6			4.2	0.4
25	(3270)	5.50 (3607)	3270	5.50	5.5			337	229.8	37.1
25	(3607)	5.50	3607	5.50	5.5	6			4.2	0.4
25	(3607)	5.50	3623	5.50	5.5			15	10.2	1.7
25	3623	5.50 (3644)	3623	5.50	5.5			22	15.0	2.4
25	(3644)	5.50	3644	5.50	5.5		10		6.5	1.1
25	(3644)	5.50	3688	5.50	5.5			44	30.0	4.8
25	3688	5.50 (3700)	3688	5.50	5.5			10	6.8	1.1
<b>TOTALS</b>						<b>12</b>	<b>10</b>	<b>732</b>	<b>514</b>	<b>82</b>

PLAN SURVEYED BY DATE  
 PLOTTED BY DATE  
 NOTE BOOK NO. OF PAGES CHECKED  
 NO. PAID FILE NAME

PROFILE SURVEYED BY DATE  
 PLOTTED BY DATE  
 NOTE BOOK NO. OF PAGES CHECKED  
 NO. STRUCTURE NOTATIONS CHECKED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS**  
**STAGE 1**

**SCHEDULE OF QUANTITIES**

SCALE: DATE 08/28/2008  
 DRAWN BY H&A  
 CHECKED BY PFH

**HEUER AND ASSOCIATES**

Consulting Engineers

2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
1004	08-00079-01-FP	COOK	46	6
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT No. 63007

**SCHEDULE OF QUANTITIES - ROADWAY REMOVAL**

STATION	40600982	44001900	44004400	44004700	XX005314	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL, SPECIAL
	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT	COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)	PAVEMENT REMOVAL (SPECIAL)	SIDEWALK REMOVAL, SPECIAL	BITUMINOUS DRIVEWAY REMOVAL	
	SQ YD	FOOT	SQ YD	SQ FT	SQ YD	
29+81.33 TO 34+00	40	808	1,213	4,909	33	106
34+00 TO 39+60	62	1,125	1,846	4,859	54	120
39+60 TO 45+53.65	162	1,246	2,017	1,541	117	94
<b>TOTAL</b>	<b>264</b>	<b>3,179</b>	<b>5,076</b>	<b>11,309</b>	<b>204</b>	<b>320 *</b>

\* To be measured and paid for as Pavement Removal (Special). See PCC Driveway Removal Special Provision.

**SCHEDULE OF QUANTITIES - BITUMINOUS PAVEMENT**

STATION	21001000	31101000	40600100	40600300	40701921	HOT-MIX ASPHALT SURFACE COURSE - BUTT JOINT
	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SUB-BASE GRANULAR MATERIAL, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12"	
	SQ YD	TON	GALLON	TON	SQ YD	
29+81.33 TO 34+00	1,416	368	554	2	1,231	40
34+00 TO 39+60	2,094	545	819	4	1,821	62
39+60 TO 45+53.65	2,276	592	891	4	1,979	162
<b>TOTAL</b>	<b>5,786</b>	<b>1,505</b>	<b>2,264</b>	<b>10</b>	<b>5,031</b>	<b>264</b>

**SCHEDULE OF QUANTITIES - ALLEYS AND DRIVEWAYS**

STATION	42300300	XX001109	CLASS C PATCH (CONCRETE)	CLASS D PATCH (ASPHALT)
	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8"		
	SQ YD	SQ YD		
29+81.33 TO 34+00	134	0	1	11
34+00 TO 39+60	177	21	16	14
39+60 TO 45+53.65	135	21	7	33
<b>TOTAL</b>	<b>446</b>	<b>42</b>	<b>24</b>	<b>58</b>

**SCHEDULE OF QUANTITIES - SIDEWALKS AND CURBS**

STATION	42400200	60600605	60604400	XX007729
	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	CONCRETE CURB, TYPE B	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	DETECTABLE WARNING, SPECIAL
	SQ FT	FOOT	FOOT	SQ FT
29+81.33 TO 34+00	4,528	0	818	8
34+00 TO 39+60	4,837	0	1,133	88
39+60 TO 45+53.65	1,398	140	1,230	64
<b>TOTAL</b>	<b>10,763</b>	<b>140</b>	<b>3,181</b>	<b>160</b>

**EARTH EXCAVATION**

STATION	20200100
	UNSUITABLE EXCAVATION
	CU YD
29+81.33 TO 34+00	245
34+00 TO 39+60	206
39+60 TO 45+53.65	435
<b>TOTAL</b>	<b>886</b>

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS  
STAGE 1**

**SCHEDULE OF QUANTITIES**

SCALE:  
DATE 08/28/2008

DRAWN BY H&A  
CHECKED BY PFH

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	REGISTERED	
	BY	
	DATE	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	REGISTERED	
	BY	
	DATE	
	FILE NAME	

### PAVEMENT DESIGN DATA

CLASSIFICATION OF ROADWAY: CLASS II ROADWAY  
 DESIGN PERIOD: 20 YEARS  
 PROJECTED AVERAGE DAILY TRAFFIC: 4157  
 % OF PASSENGER VEHICLES (PV): 99%  
 % OF SINGLE UNIT TRUCKS (SU): 0.5%  
 % OF MULTI UNIT TRUCKS (MU): 0.5%  
 SUBGRADE SUPPORT RATING (SSR): FAIR

### RATES OF APPLICATION

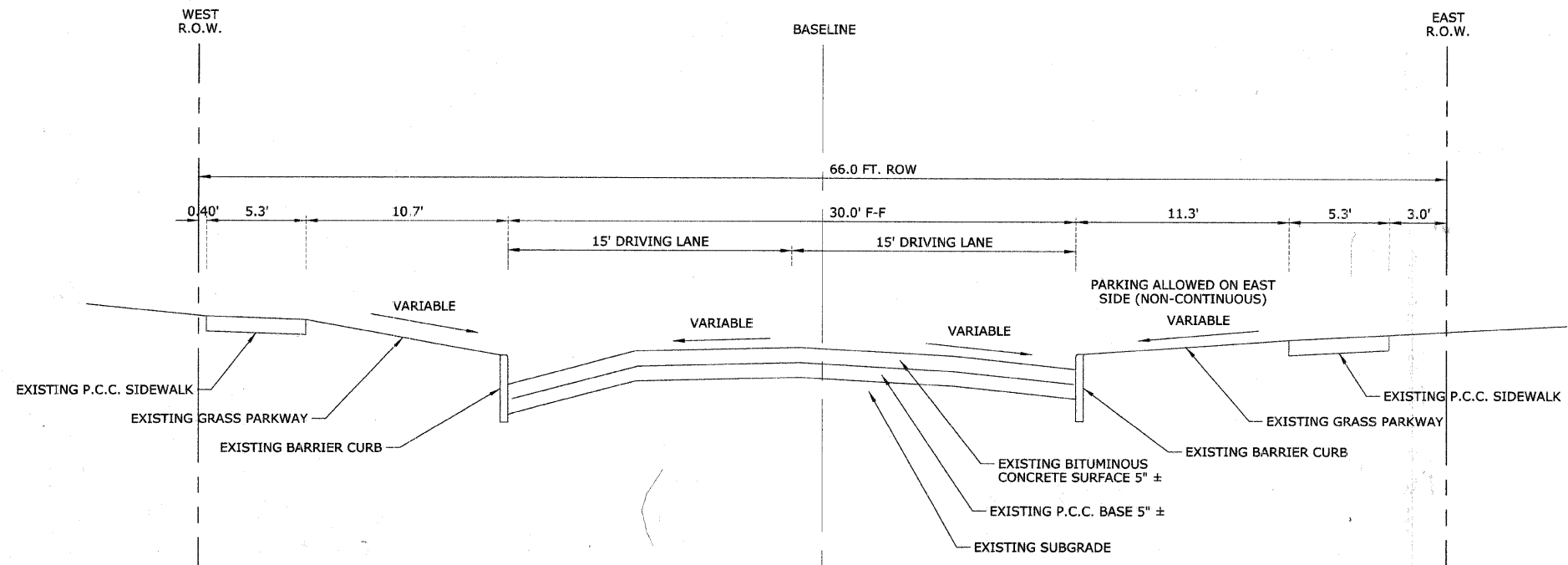
THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

HOT-MIX ASPHALT BINDER AND SURFACE COURSE	112 LBS/SY/IN
GRANULAR MATERIALS	1.8 TON/CY
BITUMINOUS MATERIALS PRIME COAT	0.35 GAL/SY
BITUMINOUS MATERIALS TACK COAT	0.10 GAL/SY
AGGREGATE MATERIALS PRIME COAT	5 LBS/SY

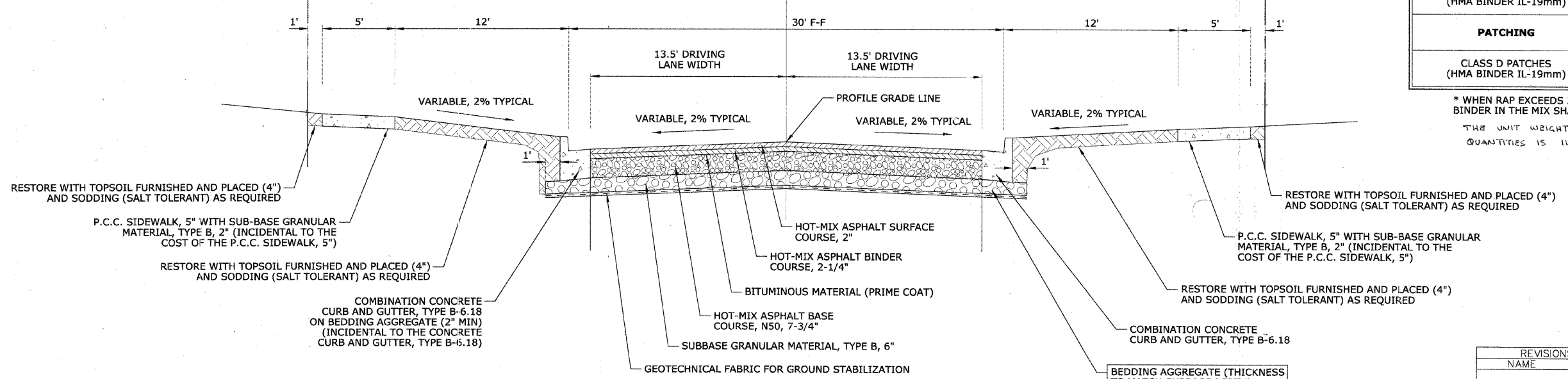
### HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	AIR VOIDS
<b>FULL DEPTH PAVEMENT;</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5mm)	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-9.0, N50	PG 64-22 *	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19mm)	PG 64-22 *	4% @ 50 GYR
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER IL-19mm)	PG 64-22 *	4% @ 70 GYR

\* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22  
 THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/IN.<sup>2</sup>



**EXISTING TYPICAL SECTION**  
 STA 29+90.55 - STA 45+53.65  
 COSSITT AVENUE TO BURLINGTON AVENUE



**PROPOSED TYPICAL SECTION**  
 STA 29+90.55 - STA 45+53.65  
 COSSITT AVENUE TO BURLINGTON AVENUE

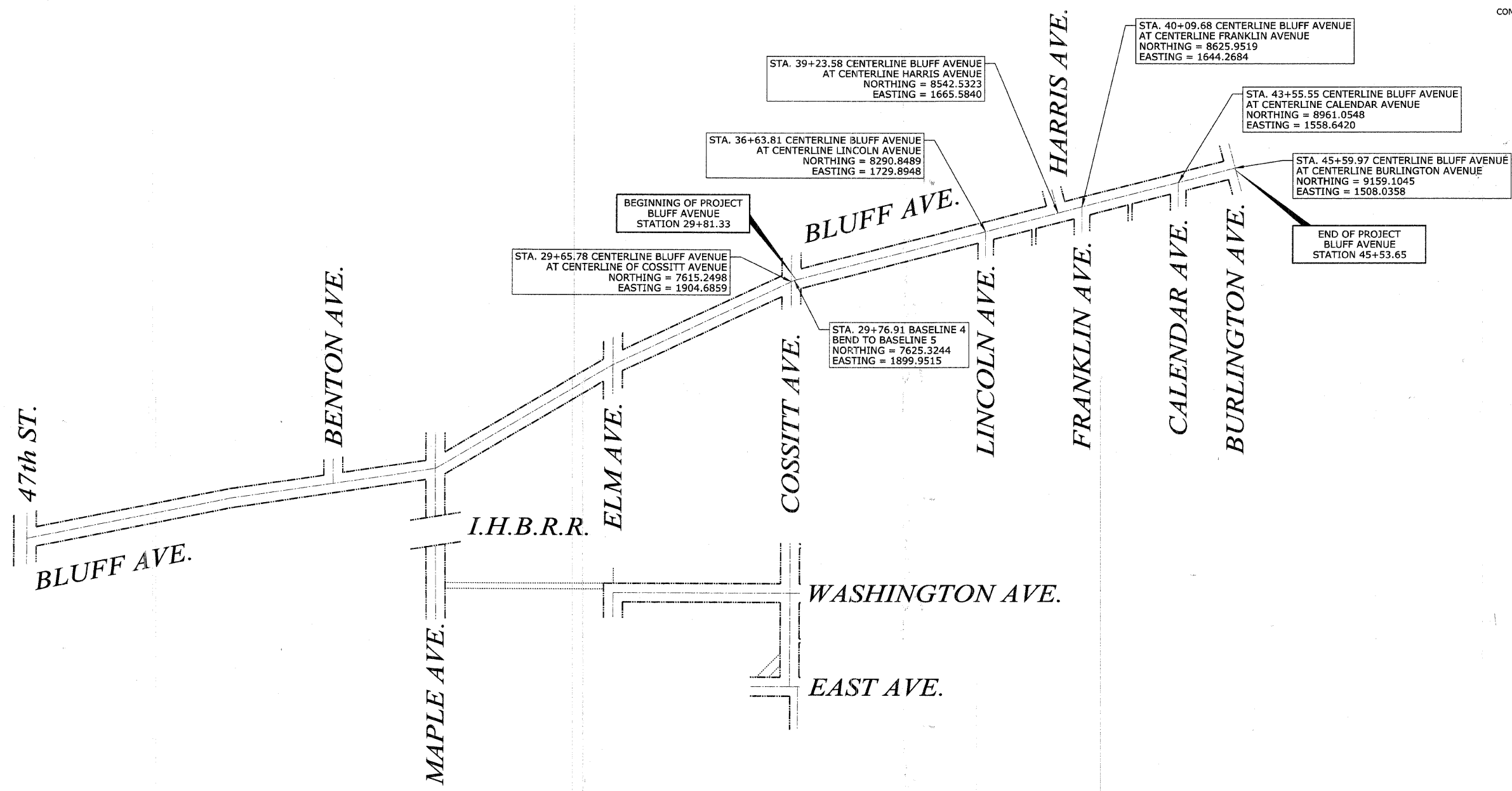
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS**  
**STAGE 1**  
 TYPICAL SECTIONS  
 SCALE: NTS  
 DATE 07/18/2008  
 DRAWN BY H&A  
 CHECKED BY PFH

PLAN  
 SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 ALIGNED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 NO. \_\_\_\_\_

PROFILE  
 SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 GRADES CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 NO. \_\_\_\_\_

CONTRACT No. 63007



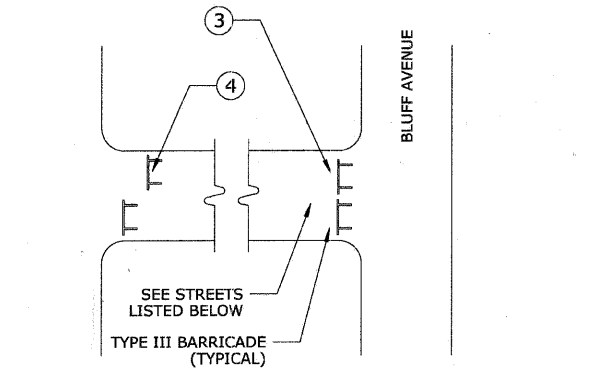
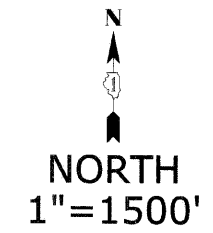
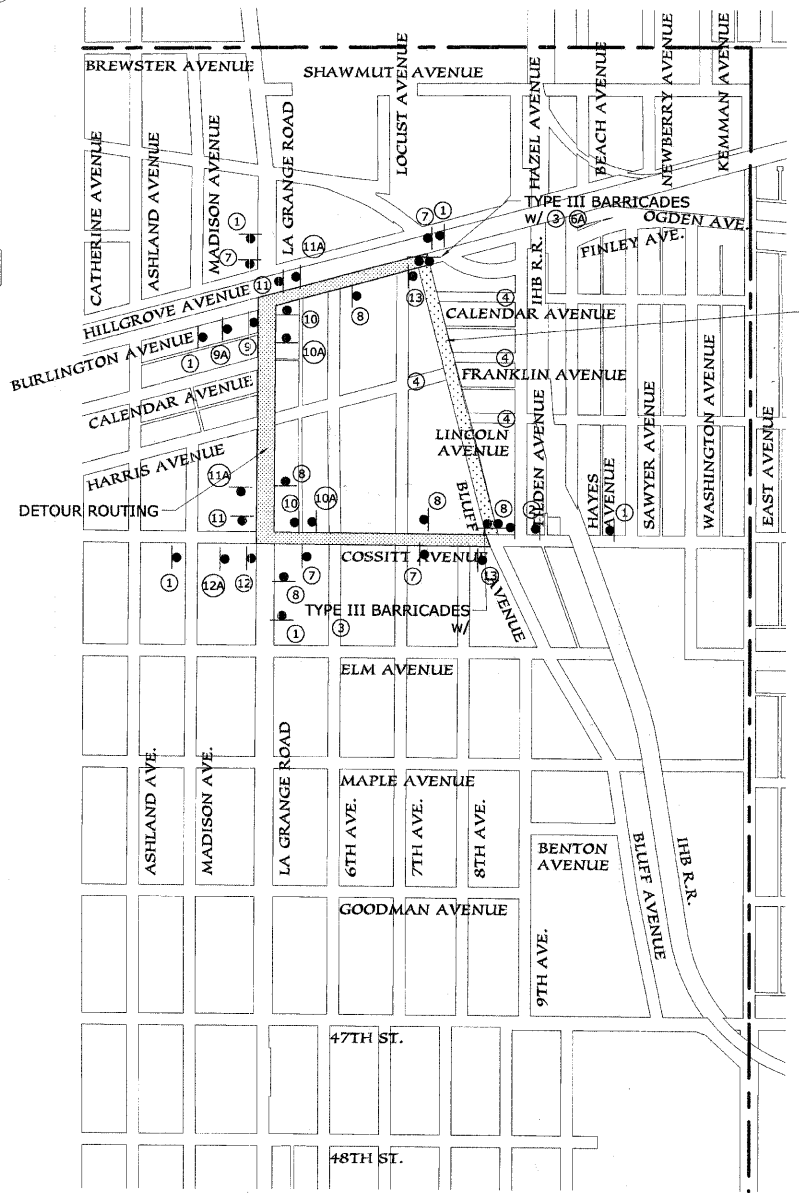
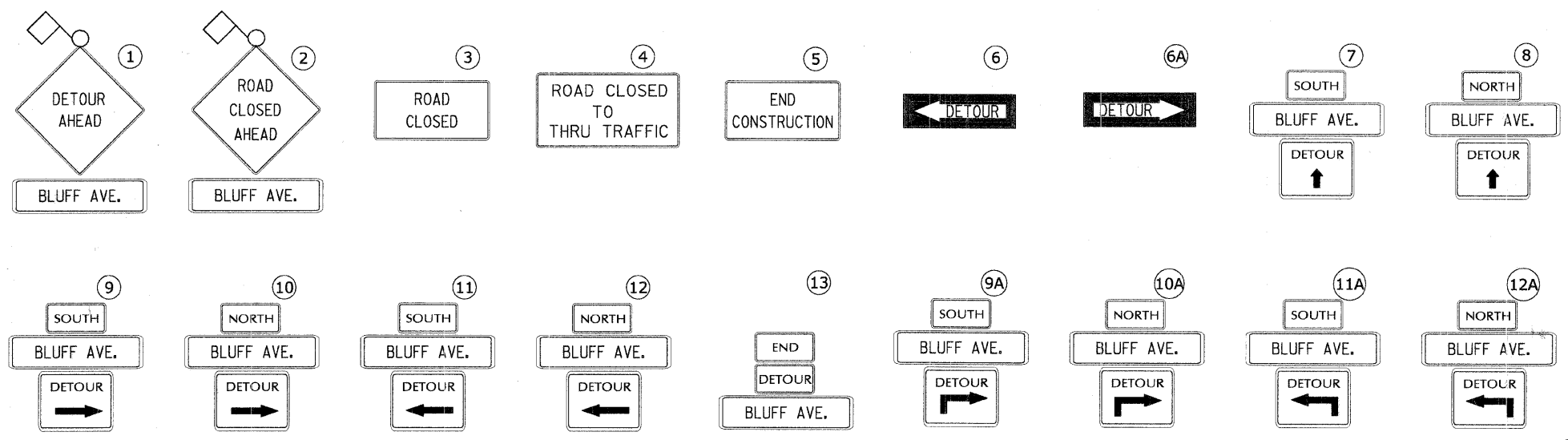
PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	
NO.	RT. OF WAY CHECKED	
	PAID FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	PROPOSED NOTATIONS OK'D	

CONTROL POINTS				
LABEL	NORTHING	EASTING	ELEVATION	LOCATION
11	7,595.3440	1,873.8940	632.23	SW "x" Cossitt and Bluff
12	7,634.9600	1,932.4050	629.62	NE "x" Cossitt and Bluff
13	8,271.4843	1,781.6991	627.13	SE "x" Lincoln and Bluff
14	8,390.5377	1,769.6353	626.78	NE "x" Lincoln and Bluff
15	8,513.2888	1,626.2647	628.94	SW "x" Harris and Bluff
16	8,606.7540	1,703.4303	627.37	SE "x" Franklin and Bluff
17	8,943.0884	1,605.6827	627.69	SE "x" Calendar and Bluff
18	8,979.2506	1,598.5800	627.91	NE "x" Calendar and Bluff
19	9,183.1837	1,496.0622	629.89	North side Burlington and Bluff
20	9,188.5147	1,516.4589	629.40	NE "x" Burlington and Bluff

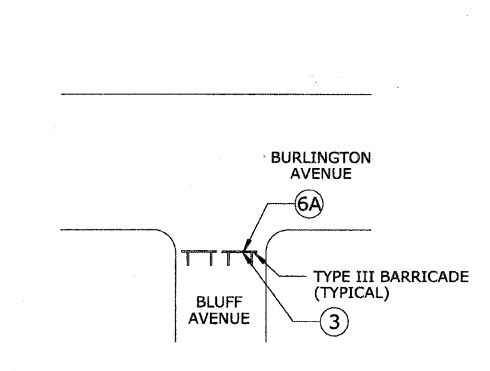
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION <b>BLUFF AVENUE IMPROVEMENTS STAGE 1</b>
NAME	DATE	
		<b>ALIGNMENT, TIES AND ELEVATION CONTROL</b>
SCALE: NTS		DRAWN BY H&A
DATE 07/18/2008		CHECKED BY PFH



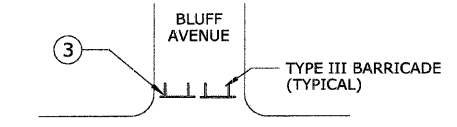


**TYPICAL INTERSECTION - TYPE 1**

1. LINCOLN AVENUE (MIRROR)
2. HARRIS AVENUE
3. FRANKLIN AVENUE (MIRROR)
4. CALENDAR AVENUE (MIRROR)

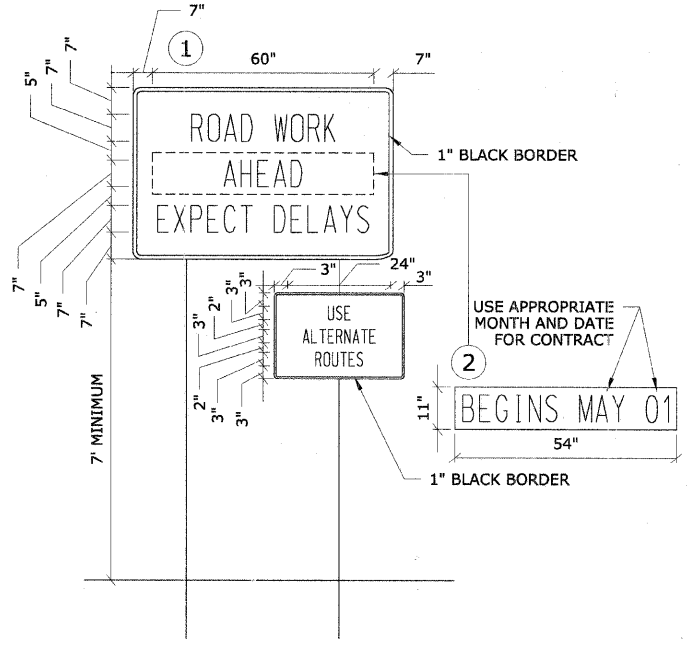


**INTERSECTION - TYPE 2**



**INTERSECTION - TYPE 3**

CROSS TRAFFIC FLOW SHALL BE GENERALLY MAINTAINED ON COSSITT AVENUE THROUGHOUT CONSTRUCTION



**TEMPORARY INFORMATIONAL SIGNAGE NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN 1 WITH INSTALLED PANEL 2 ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL 2 SOON AFTER THE START OF CONSTRUCTION.
5. ITEMS ON THIS PAGE SHALL BE PAID FOR UNDER ITEM 70101900 ENTITLED "TRAFFIC CONTROL AND PROTECTION DETOUR 1".

**VILLAGE OF LA GRANGE**

**GENERAL NOTES FOR TRAFFIC CONTROL**

- ALL THE TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE TRAFFIC CONTROL PLANS OR THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," AND SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. STOP SIGNS SHALL BE PLACED TO CONTROL SIDE STREET OR ENTRANCE TRAFFIC.
- THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS FOR HIS CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CONTRACTOR-PROPOSED TRAFFIC CONTROL PLANS SHALL BE SUBMITTED FOR THE WRITTEN APPROVAL OF THE ENGINEER.
- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- REMOVE EXISTING PAVEMENT MARKING IF IN CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS FOR TRAFFIC CONTROL AND PROTECTION PLANS.
- ALL TYPE III BARRICADES SHALL BE REFLECTORIZED ON BOTH SIDES AND SHALL BE EQUIPPED WITH TWO (2) HIGH INTENSITY FLASHING LIGHTS.
- THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICULAR ACCESS DURING ALL CONSTRUCTION ACTIVITIES.
- THE MAINTENANCE OF TRAFFIC REQUIREMENTS CALLED FOR ON THIS PAGE SHALL BE PAID FOR UNDER LINE ITEM 70101900 ENTITLED TRAFFIC CONTROL AND PROTECTION DETOUR 1.

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 PLAN  
 SUBMITTED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 CADD FILE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 PROFILE  
 SUBMITTED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 STRUCTURE NOTATION: \_\_\_\_\_

**STORM WATER POLLUTION PREVENTION PLAN**

**GENERAL PROVISIONS**

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS IDENTIFIED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS OUTLINED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS STIPULATED BY THE ENGINEER AND AS SHOWN IN IDOT STANDARD 280001 WHICH SUPPLEMENTS THIS PLAN. THE TEMPORARY EROSION CONTROL PROVISIONS OUTLINED IN SECTION 280 OF THE IDOT STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENT THIS PLAN.

**DESCRIPTION OF SITE AND PLANNED CONSTRUCTION ACTIVITIES**

1. THE PROJECT IS LOCATED IN THE COOK COUNTY, ILLINOIS. THE PROJECT SITE ENCOMPASSES BLUFF AVENUE FROM 47th STREET TO BURLINGTON AVENUE.
2. THE AREA DISTURBED BY CONSTRUCTION ACTIVITIES WILL ENCOMPASS THE ENTIRE PROJECT SITE.
3. THE PROJECT INVOLVES WATER MAIN REPLACEMENT, SEWER REPLACEMENT, DRAINAGE STRUCTURE REPAIR AND REPLACEMENT, LANDSCAPE RESTORATION, ROADWAY REMOVAL AND REPLACEMENT AND OTHER MISCELLANEOUS RELATED IMPROVEMENTS.

**SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES**

THE FOLLOWING DESCRIBES THE PROJECTED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS WITHIN THE PROJECT AREA.

1. INSTALLATION OF TEMPORARY EROSION CONTROL MEASURES REQUIRED TO LIMIT SOIL MIGRATION DURING SITE CLEARING, GRADING, FILLING, AND SUBSEQUENT DEVELOPMENT ACTIVITIES. MEASURES MAY INCLUDE PERIMETER EROSION CONTROL BARRIER, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, RIP-RAP, EROSION CONTROL BLANKETS, TEMPORARY SEEDING, AND OTHER SIMILAR MEASURES. THE MEASURES ARE TO BE ADJUSTED IN KEEPING WITH SITE WORK PROGRESS.
2. WATER MAIN REPLACEMENT, SEWER REPLACEMENT AND DRAINAGE STRUCTURE REPAIR AND OR REPLACEMENT.
3. CURB AND GUTTER REMOVAL.
4. EXISTING PAVEMENT REMOVAL.
5. INSTALLATION OF REPLACEMENT CURB AND GUTTER.
6. INSTALLATION OF REPLACEMENT PAVEMENT.
7. FINISHED GRADING AND LANDSCAPE RESTORATION.
8. MAINTENANCE, REMOVAL, AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL MEASURES.

**EROSION AND SEDIMENT CONTROL PRACTICES**

THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS HAVE BEEN PLANNED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE FEASIBLE, AND DISTURBED PORTIONS OF THE SITE ARE STABILIZED. STABILIZATION PRACTICES INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF NATURAL VEGETATION, AND OTHER APPROPRIATE MEASURES AS IDENTIFIED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

1. AREAS OF EXISTING VEGETATION, WOOD AND GRASSLANDS, OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVATION AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
2. DEAD, DISEASED, UNSUITABLE, OR CONFLICTING VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
3. AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
4. BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
5. IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODIBLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
6. AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS ON ADJACENT LANDOWNERS, TEMPORARY DITCH CHECKS SHALL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.
7. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS INDICATED ON THE PLANS SHALL BE PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL NOT USE THESE AREAS FOR STAGING, PARKING OF VEHICLES OF CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS OR OTHER CONSTRUCTION RELATED ACTIVITIES EXCEPT AS DESCRIBED ON THE PLANS AND INDICATED BY THE ENGINEER.
8. WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION SHALL REMAIN UNDISTURBED UNTIL THE STAGE OF CONSTRUCTION IS INITIATED TO AVOID UNNECESSARY SOIL EROSION.
9. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN (14) DAYS.
10. AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS. THE ERODIBLE EXPOSED EARTH SURFACES SHALL BE TEMPORARILY SEEDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF EROSION THAT WILL OCCUR WITHIN THE PROJECT LIMITS. THE ROADSIDE DITCHES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED OR CONSTRUCTED AS REQUIRED TO LIMIT EROSION. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS UNTIL EROSION CONTROL MEASURES ARE IN PLACE.
11. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
12. THE CONTRACTOR SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2-INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE WORK SITE CONSTRUCTION MANAGER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
13. SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS IDENTIFIED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EACH EXCAVATION FOR EROSION CONTROL.
14. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED WHERE INDICATED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING.
15. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1 FOOT FALL OR RISE IN DITCH GRADE OR AS STIPULATED ON THE PLAN.
16. WHERE REQUIRED THE TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS PER ACRE OF AREA.
17. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE.
18. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS, AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION FOR EROSION CONTROL.
19. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THE APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
20. WATER PUMPED FROM EXCAVATIONS SHALL BE DIRECTED INTO THE SEDIMENT BASIN. THE SEDIMENT BASIN SHALL BE MAINTAINED AT A DEPTH BETWEEN 2 AND 3 FEET AND CLEARED OF SEDIMENT AS REQUIRED. SEDIMENT SHALL BE DISPOSED OF IN A MANNER NOT TO INCREASE SOIL MIGRATION.

**OTHER REPORTS, STUDIES, PLANS, SPECIFICATIONS WHICH ARE REFERENCED DOCUMENTS OF THE STORM WATER POLLUTION PREVENTION PLAN**

1. INFORMATION CONCERNING THE SOILS CHARACTER AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND GEO-TECHNICAL SURVEYS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT SPECIFICATIONS, SPECIAL PROVISIONS, AND DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES, WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.
3. ILLINOIS URBAN MANUAL FOR SOIL EROSION CONTROL GUIDANCE AND CONTROL MEASURES.
4. IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR SOIL EROSION CONTROL MATERIALS AND INSTALLATION GUIDANCE

**MAINTENANCE AFTER CONSTRUCTION**

1. THE CONSTRUCTION WILL BE CONSIDERED TO BE COMPLETE AFTER ACCEPTANCE BY THE MUNICIPAL AGENCY WITH JURISDICTION OVER THE IMPROVEMENTS. MAINTENANCE OF EROSION MEASURES AS WELL AS THE SITE IMPROVEMENTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE DATE OF ACCEPTANCE.
2. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED SEEDED OR SODDED AREAS HAVE BEEN ESTABLISHED.
3. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED SURFACES RESTORED.

**CERTIFICATION**

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSON DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

*Mike Bojovic*  
MIKE BOJOVIC, ACTING DIRECTOR      7/25/08  
DATE

**NOTE:**

1. SEE DETAIL PLAN SHEETS FOR EROSION CONTROL DETAILS.
2. REFER TO PLAN INDEX FOR LOCATION.

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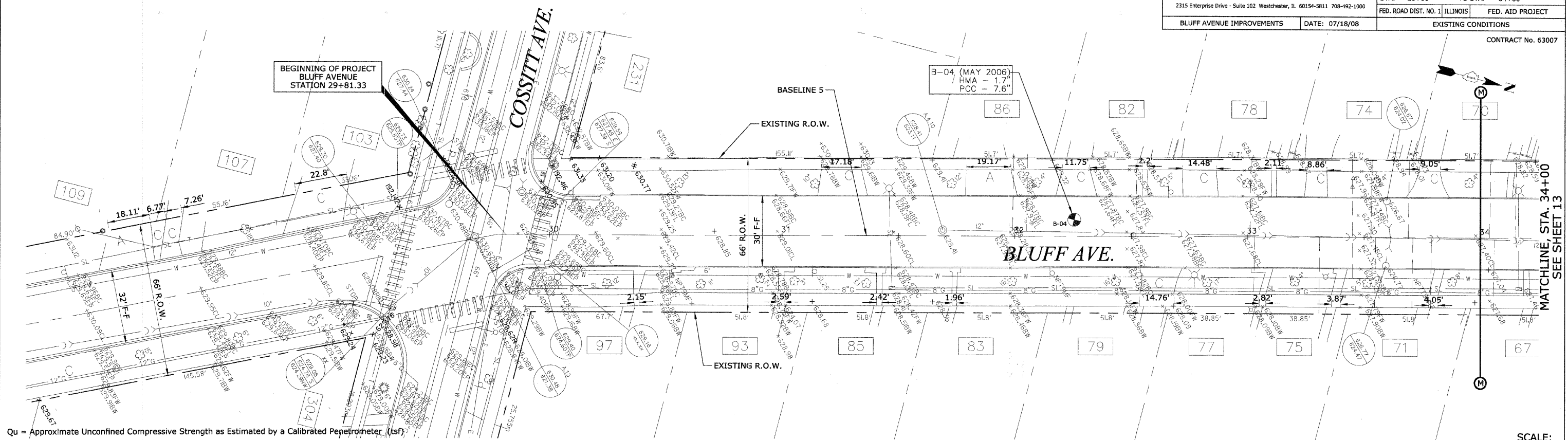
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NAME	DATE	
		<b>STORM WATER POLLUTION PREVENTION PLAN</b>  SCALE: NTS      DRAWN BY H&A DATE 07/18/2008      CHECKED BY PFH



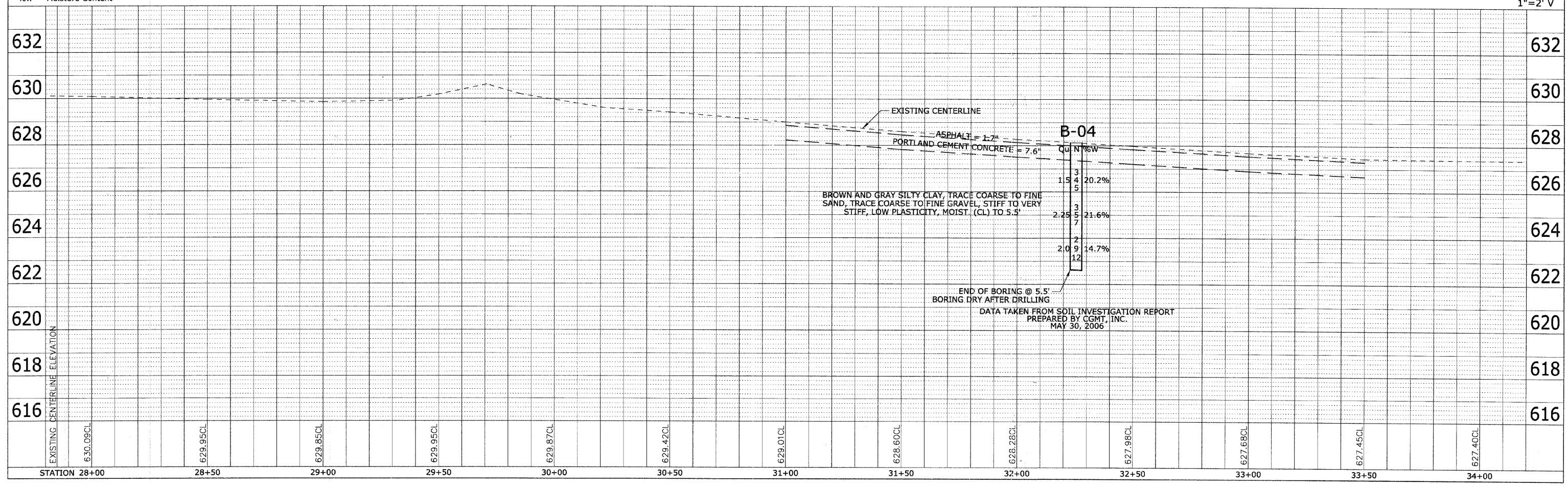
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Qu = Approximate Unconfined Compressive Strength as Estimated by a Calibrated Peppetrometer (tsf)  
 N = Standard Penetration Test Blow Count (blows / 12 in.)  
 %w = Moisture Content

SCALE:  
 1"=20' H  
 1"=2' V



**B-04**

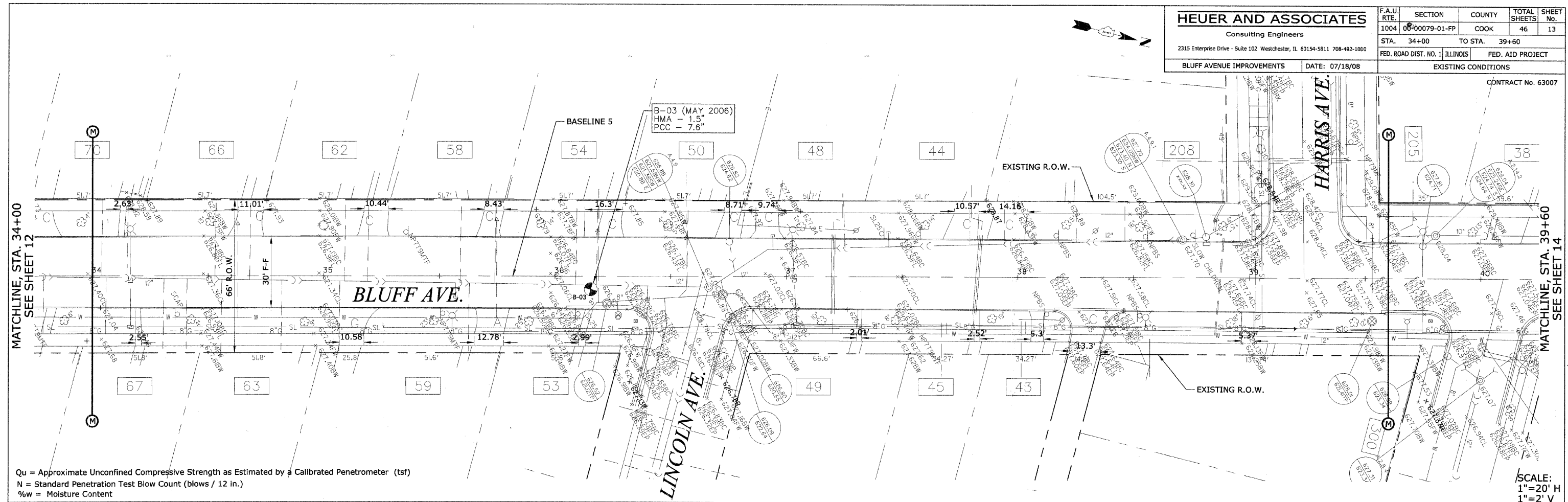
Qu	N	%w
3	15	20.2%
4	5	
5	2	21.6%
7	2	14.7%
9	12	

BROWN AND GRAY SILTY CLAY, TRACE COARSE TO FINE SAND, TRACE COARSE TO FINE GRAVEL, STIFF TO VERY STIFF, LOW PLASTICITY, MOIST (CL) TO 5.5'

END OF BORING @ 5.5'  
 BORING DRY AFTER DRILLING  
 DATA TAKEN FROM SOIL INVESTIGATION REPORT  
 PREPARED BY CGMT, INC.  
 MAY 30, 2006

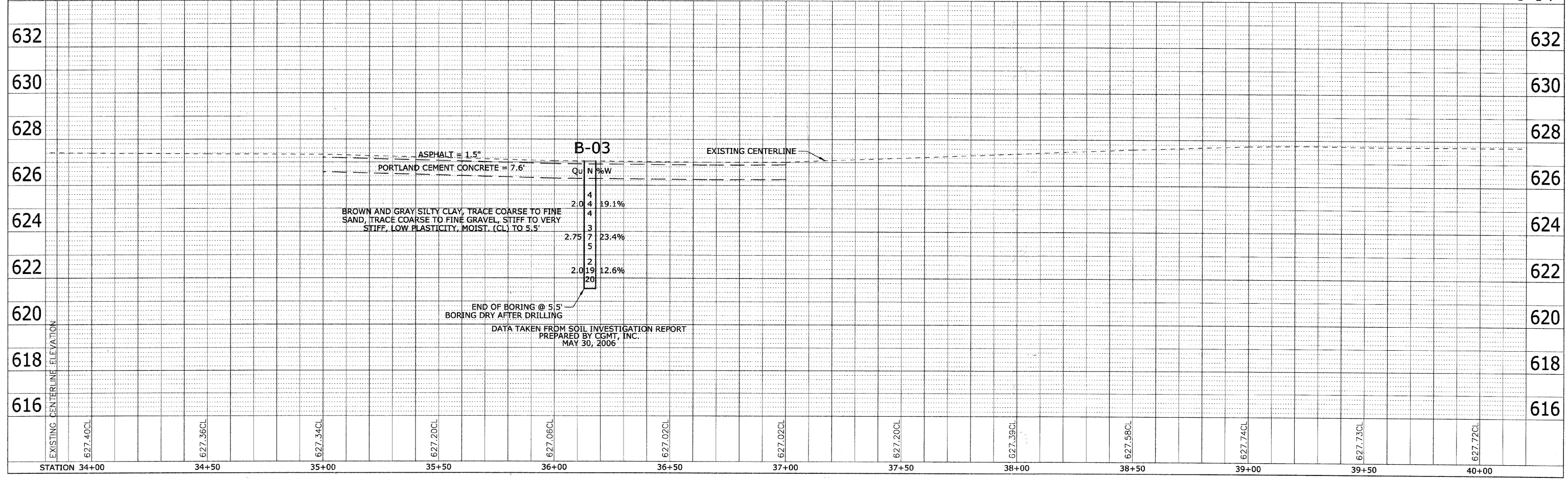
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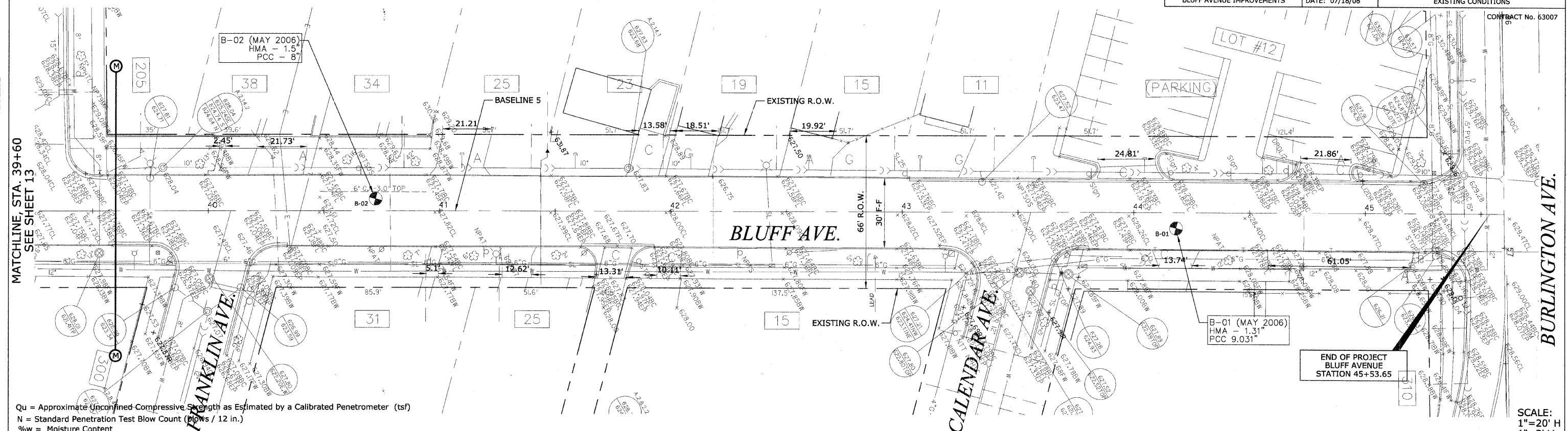
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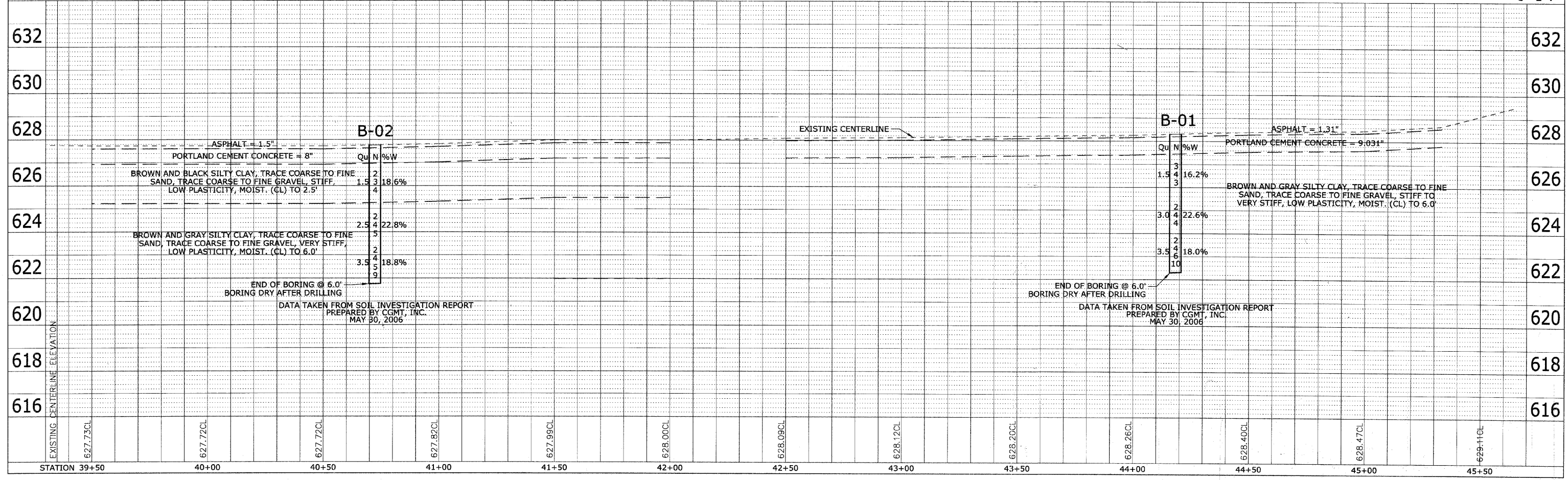
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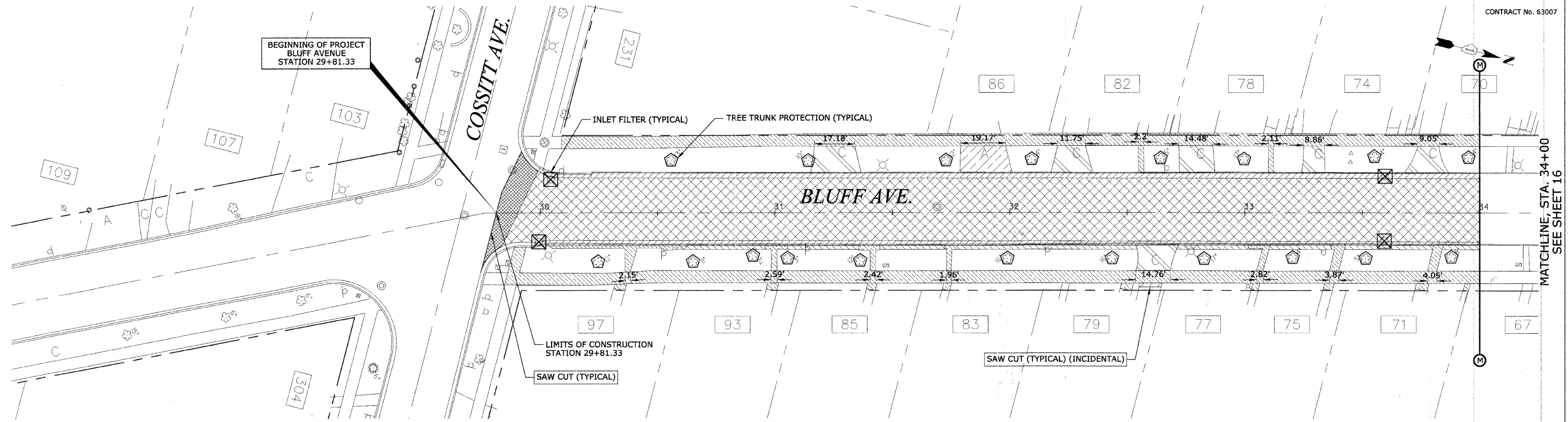


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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
1004	08-00079-01-PP	COOK	46	15
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28+00	34+00	ILLINOIS		

CONTRACT No. 63007



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PROFILE	SURVEYED	DATE
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	STRUCTURE NOTATIONS CHKD	

REMOVAL LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	PAVEMENT REMOVAL AND EXCAVATION
	SIDEWALK REMOVAL AND EXCAVATION
	CURB REMOVAL AND EXCAVATION
	HOT MIX ASPHALT DRIVEWAY REMOVAL AND EXCAVATION
	P.C.C. DRIVEWAY REMOVAL AND EXCAVATION
	EARTH EXCAVATION
	TREE REMOVAL

EROSION CONTROL LEGEND	
	INLET FILTER
	TREE TRUNK PROTECTION

**EROSION CONTROL GENERAL NOTES**

1. INLET FILTERS ARE TO BE PROVIDED AND MAINTAINED FOR ALL EXISTING AND PROPOSED DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS AND/OR AS DIRECTED BY THE ENGINEER (SEE DETAIL).
2. THE CONSTRUCTION LIMITS WILL BE THE EAST AND WEST RIGHT-OF-WAY LIMITS FOR BLUFF AVENUE. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.
3. SEE PAVEMENT MARKING, SIGNING AND LANDSCAPING PLAN SHEETS FOR SODDING INFORMATION.
4. SEE CROSS SECTIONS FOR GRADING INFORMATION.
5. SEE DRAINAGE AND UTILITY IMPROVEMENT SHEETS FOR STORM SEWER INFORMATION.

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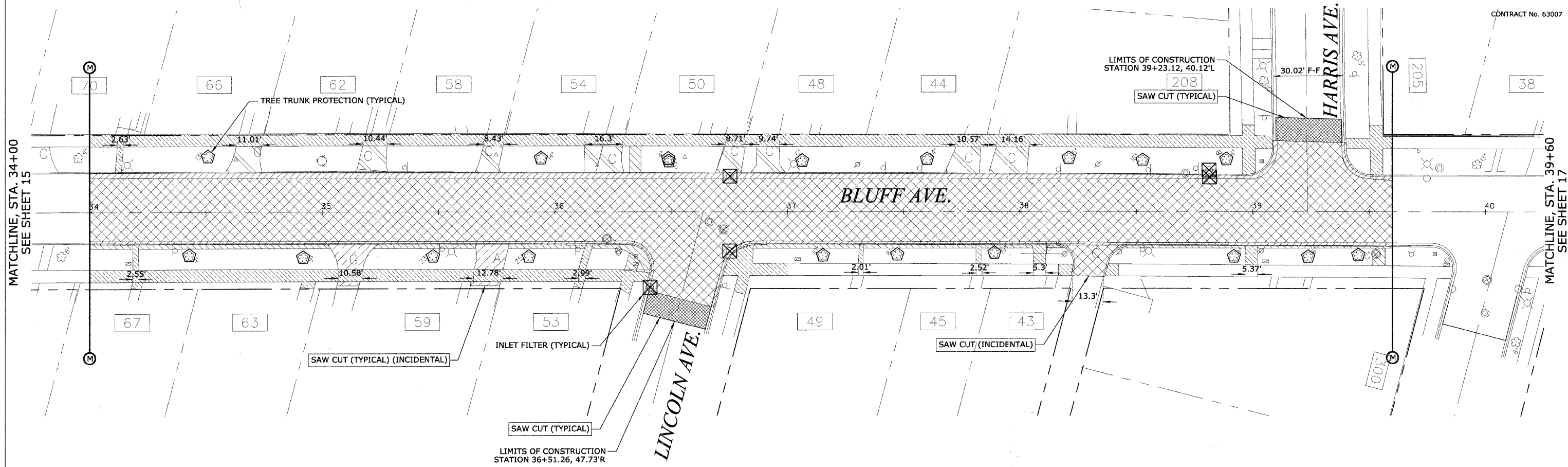
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS  
STAGE 1**

**REMOVAL AND EROSION CONTROL PLAN**

SCALE: 1" = 20' H (Full Size)  
1" = 44' H (Tabloid)  
DATE 08/28/2008  
DRAWN BY H&A  
CHECKED BY PFH



CONTRACT No. 63007



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	P.C.C. DRIVEWAY REMOVAL AND EXCAVATION
	EARTH EXCAVATION
	TREE REMOVAL

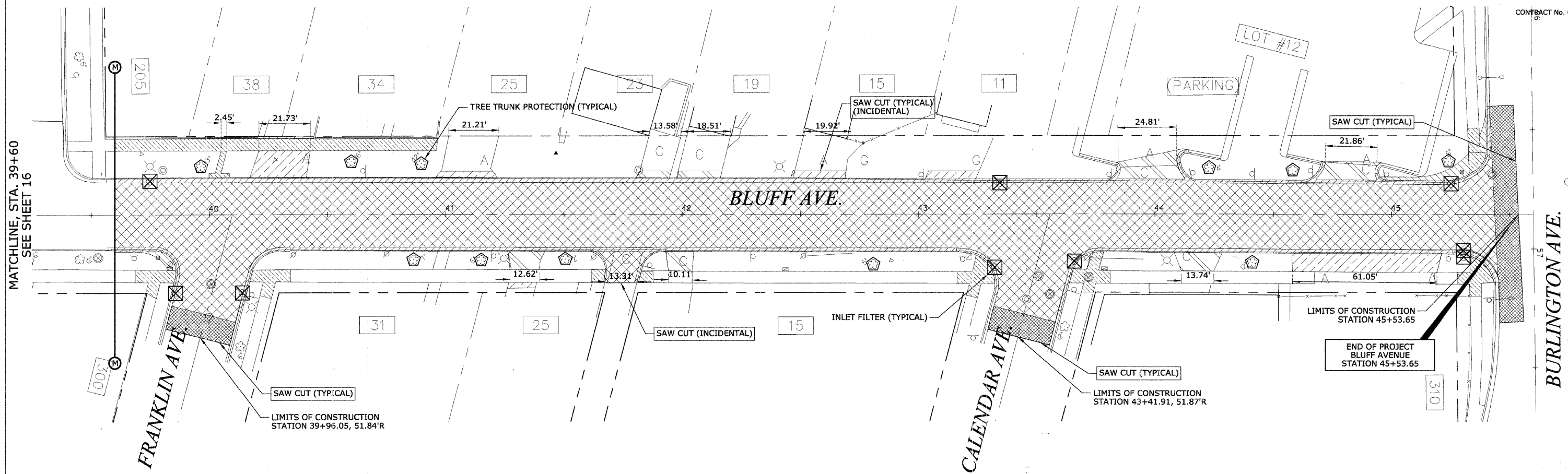
EROSION CONTROL LEGEND	
	INLET FILTER
	TREE TRUNK PROTECTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS  
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REMOVAL LEGEND	
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	TREE TRUNK PROTECTION

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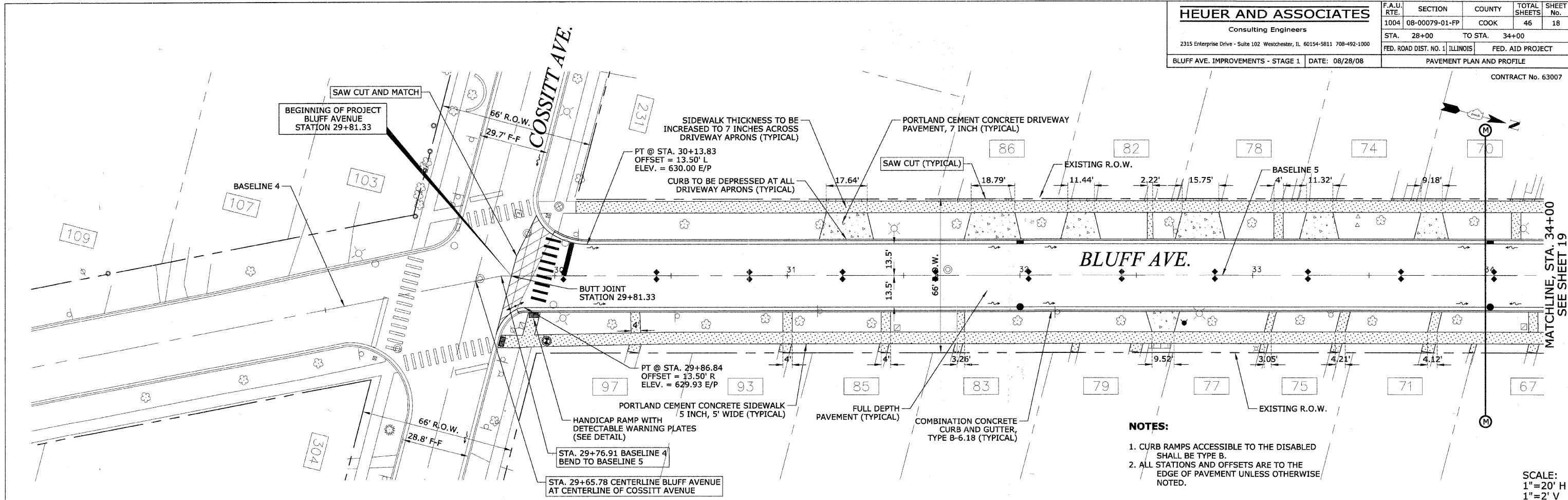
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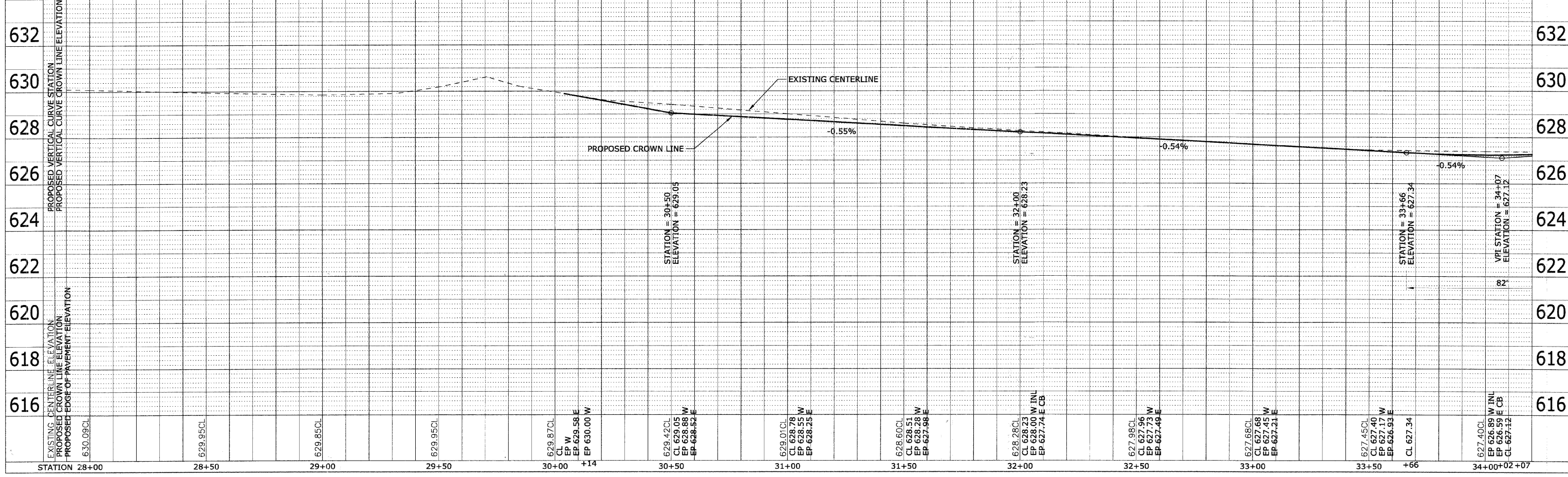
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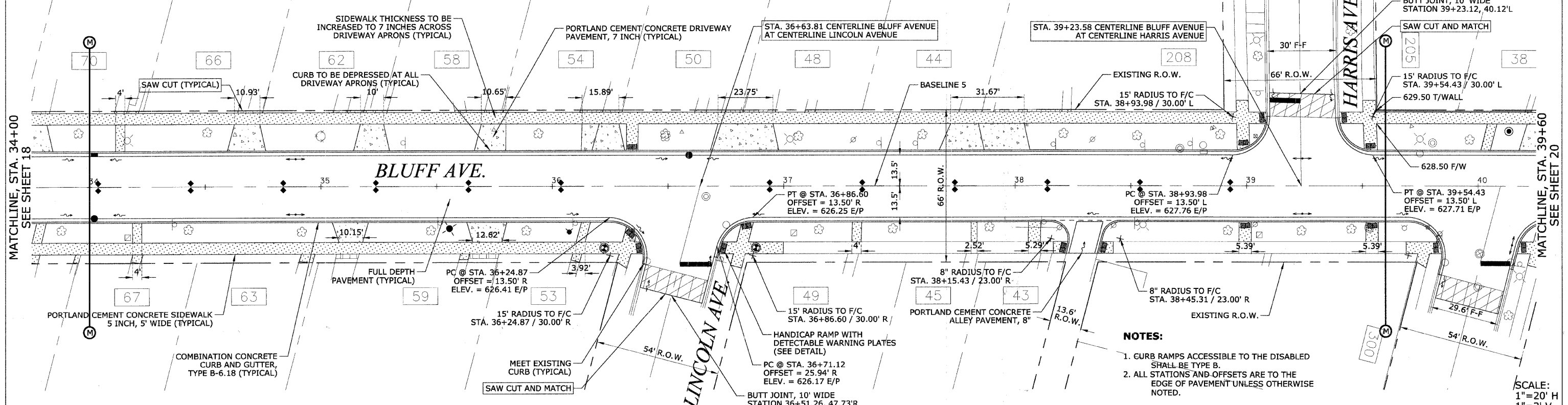


- NOTES:**
1. CURB RAMPS ACCESSIBLE TO THE DISABLED SHALL BE TYPE B.
  2. ALL STATIONS AND OFFSETS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

SCALE:  
1" = 20' H  
1" = 2' V

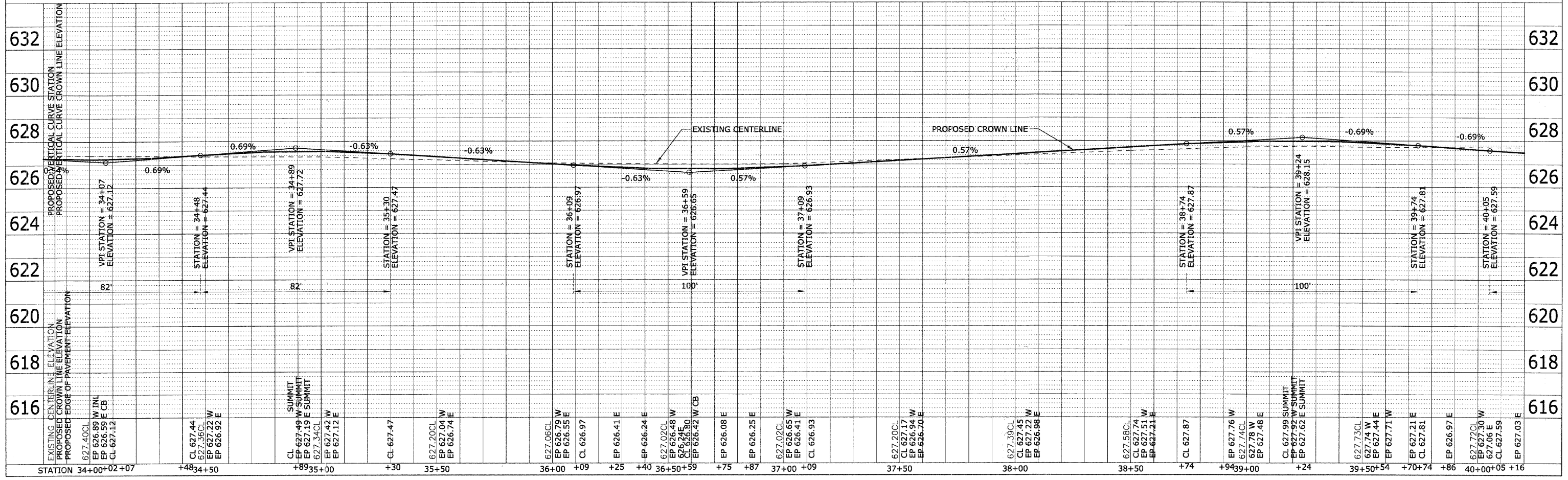


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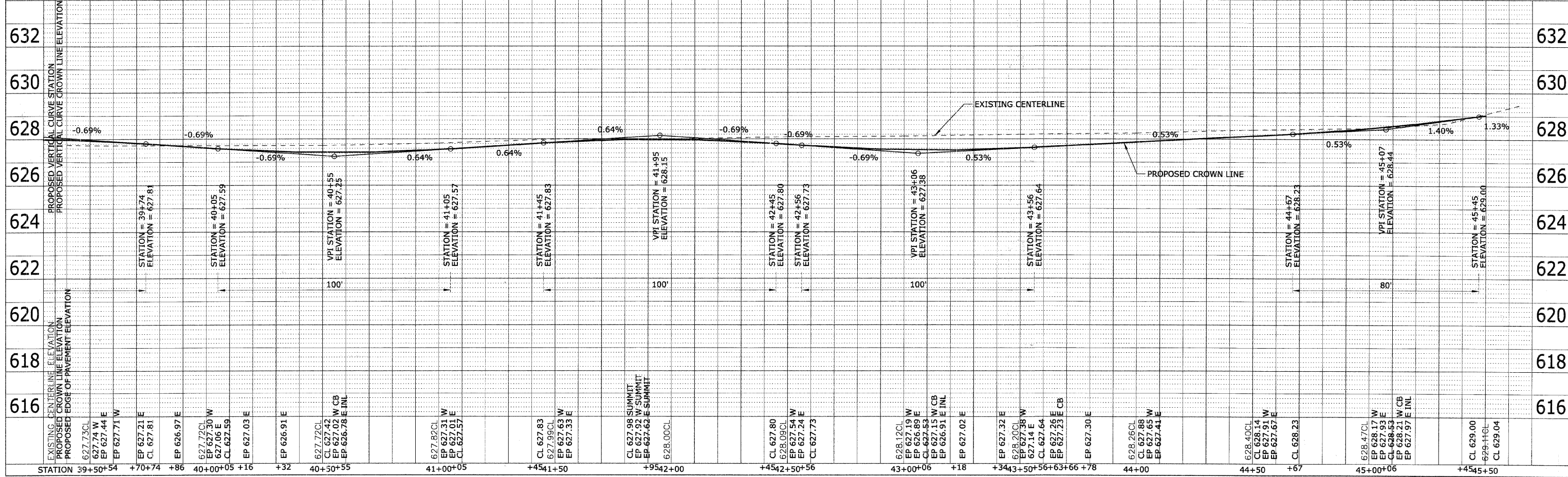
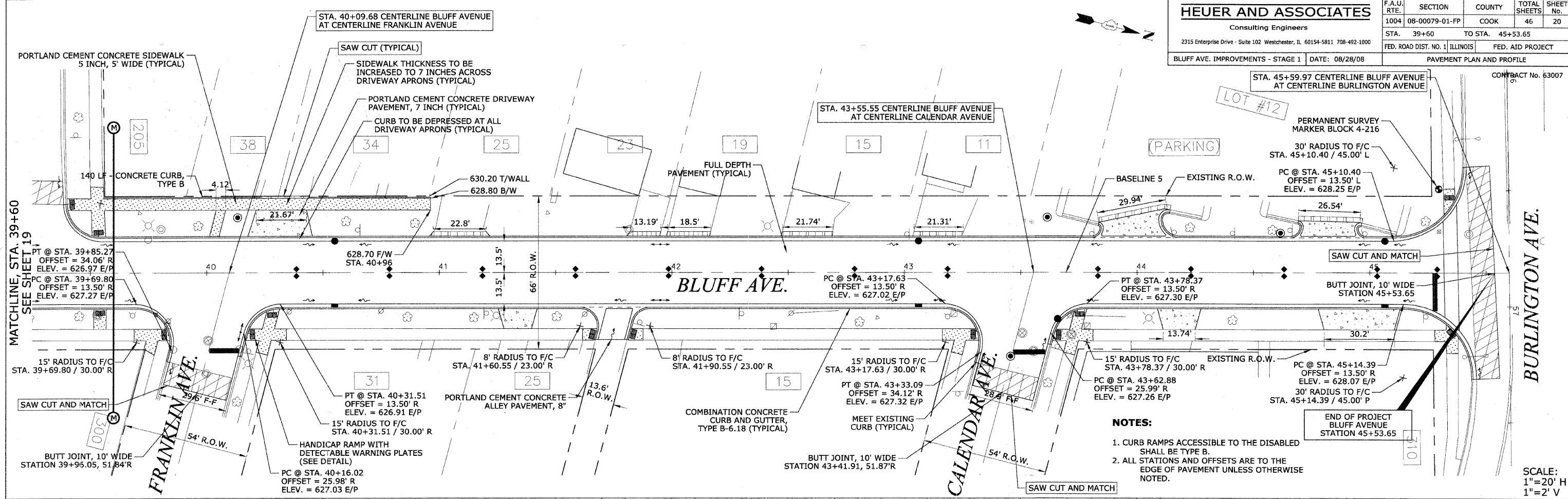
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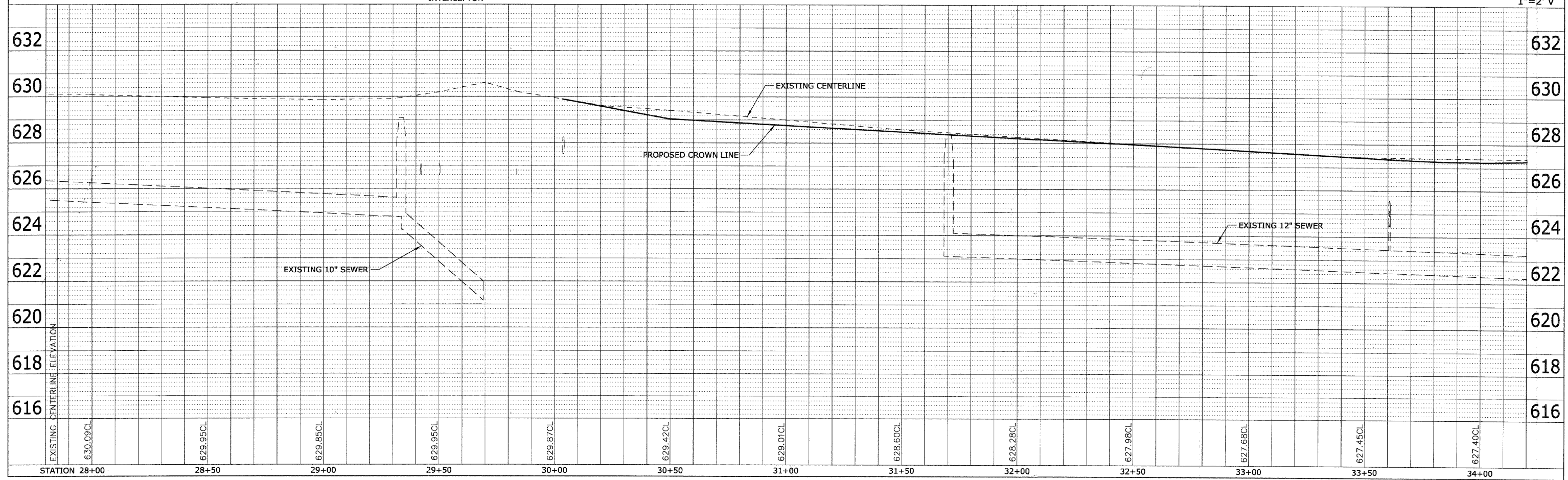
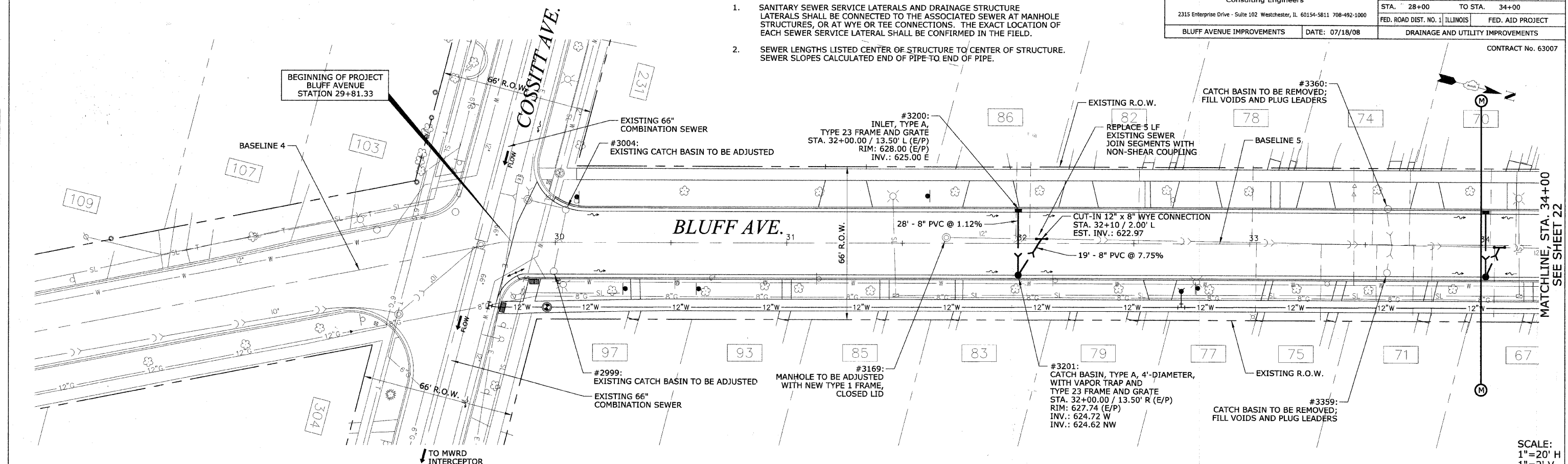
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**NOTES:**

- SANITARY SEWER SERVICE LATERALS AND DRAINAGE STRUCTURE LATERALS SHALL BE CONNECTED TO THE ASSOCIATED SEWER AT MANHOLE STRUCTURES, OR AT WYE OR TEE CONNECTIONS. THE EXACT LOCATION OF EACH SEWER SERVICE LATERAL SHALL BE CONFIRMED IN THE FIELD.
- SEWER LENGTHS LISTED CENTER OF STRUCTURE TO CENTER OF STRUCTURE. SEWER SLOPES CALCULATED END OF PIPE TO END OF PIPE.

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		2. ALIGNED
		3. CHECKED
		4. PLOTTED
		5. PRINTED

DATE	BY	REVISION
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		2. GRADES CHECKED
		3. STRUCTURE NOTATIONS CHECKED
		4. PLOTTED
		5. PRINTED

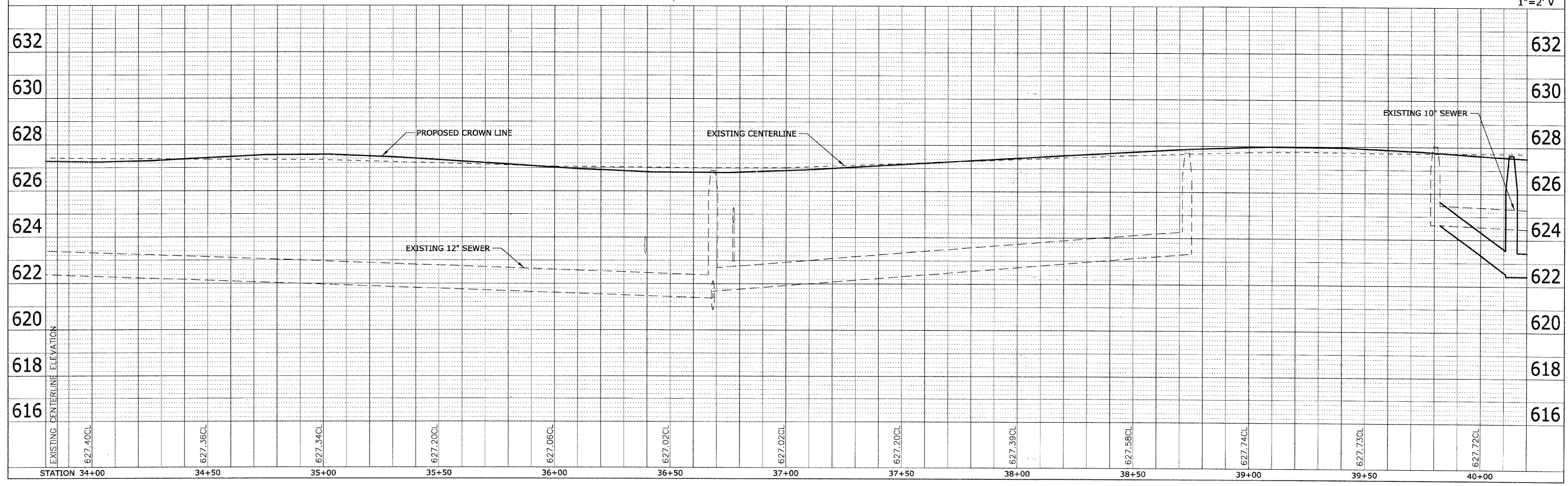
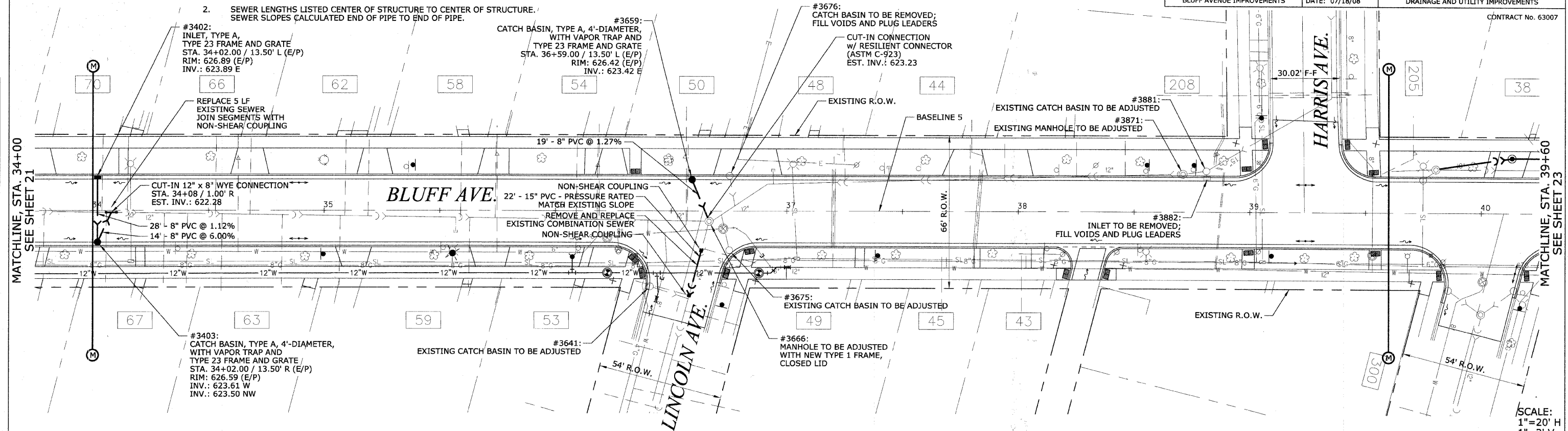


SCALE:  
 1"=20' H  
 1"=2' V

**NOTES:**

- SANITARY SEWER SERVICE LATERALS AND DRAINAGE STRUCTURE LATERALS SHALL BE CONNECTED TO THE ASSOCIATED SEWER AT MANHOLE STRUCTURES, OR AT WYE OR TEE CONNECTIONS. THE EXACT LOCATION OF EACH SEWER SERVICE LATERAL SHALL BE CONFIRMED IN THE FIELD.
- SEWER LENGTHS LISTED CENTER OF STRUCTURE TO CENTER OF STRUCTURE. SEWER SLOPES CALCULATED END OF PIPE TO END OF PIPE.

<b>HEUER AND ASSOCIATES</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
Consulting Engineers		1004	00-00079-01-FP	COOK	46	22
2315 Enterprise Drive - Suite 102 Westchester, IL 60154-9811 708-492-1000		STA. 34+00	TO STA. 39+60	FED. ROAD DIST. NO. 1 ILLINOIS		
BLUFF AVENUE IMPROVEMENTS		DATE: 07/18/08		DRAINAGE AND UTILITY IMPROVEMENTS		

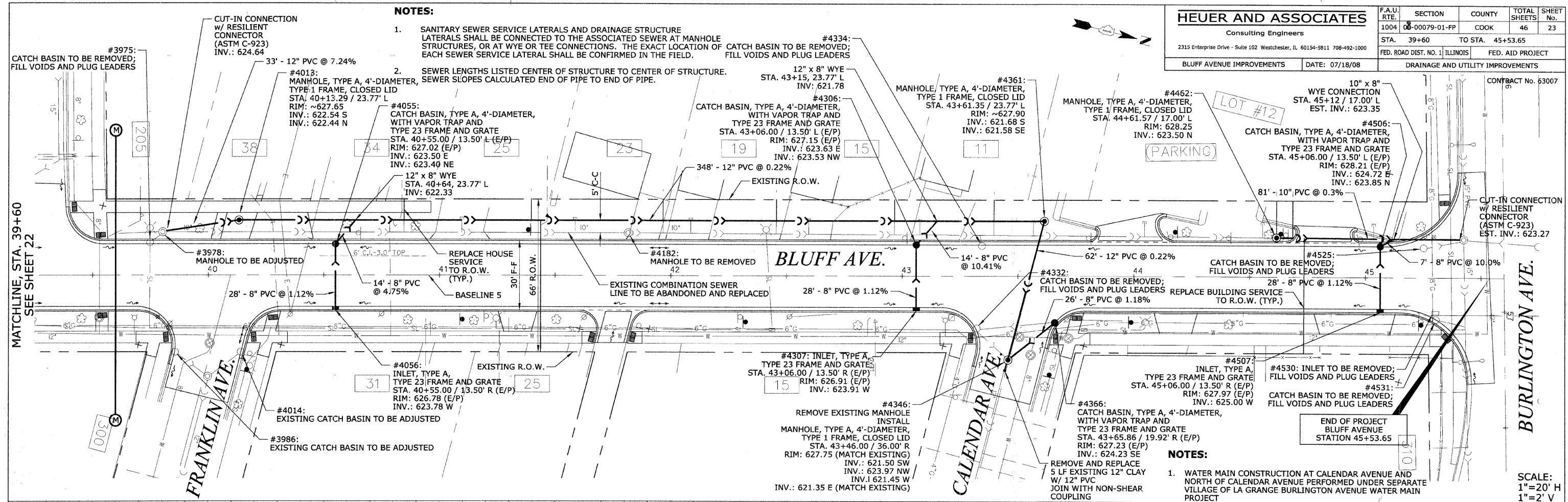


DATE	BY	PLANNED	PROPOSED
		PLAN	PROFILE
		NOTE BOOK	NOTE BOOK
		NO. _____	NO. _____
		FILE NAME	FILE NAME

DATE	BY	PROPOSED	PROPOSED
		PROFILE	PROFILE
		NOTE BOOK	NOTE BOOK
		NO. _____	NO. _____
		FILE NAME	FILE NAME

**NOTES:**

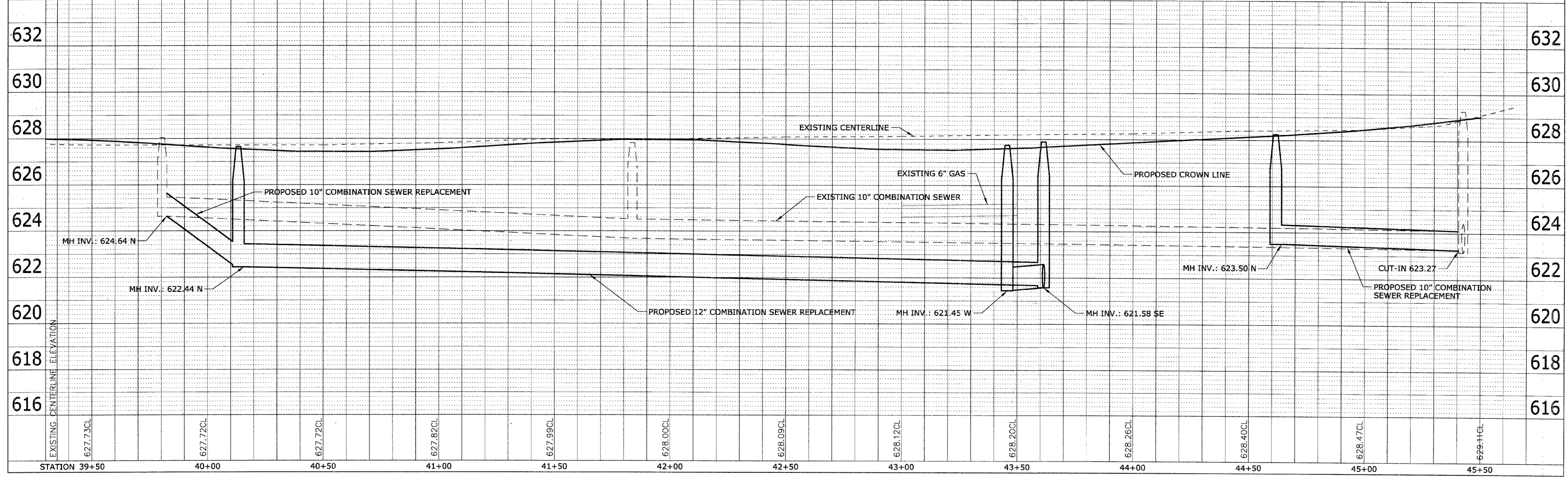
- SANITARY SEWER SERVICE LATERALS AND DRAINAGE STRUCTURE LATERALS SHALL BE CONNECTED TO THE ASSOCIATED SEWER AT MANHOLE STRUCTURES, OR AT WYE OR TEE CONNECTIONS. THE EXACT LOCATION OF EACH SEWER SERVICE LATERAL SHALL BE CONFIRMED IN THE FIELD. CATCH BASIN TO BE REMOVED; FILL VOIDS AND PLUG LEADERS
- SEWER LENGTHS LISTED CENTER OF STRUCTURE TO CENTER OF STRUCTURE. SEWER SLOPES CALCULATED END OF PIPE TO END OF PIPE.



**NOTES:**

- WATER MAIN CONSTRUCTION AT CALENDAR AVENUE AND NORTH OF CALENDAR AVENUE PERFORMED UNDER SEPARATE VILLAGE OF LA GRANGE BURLINGTON AVENUE WATER MAIN PROJECT

SCALE:  
 1"=20' H  
 1"=2' V

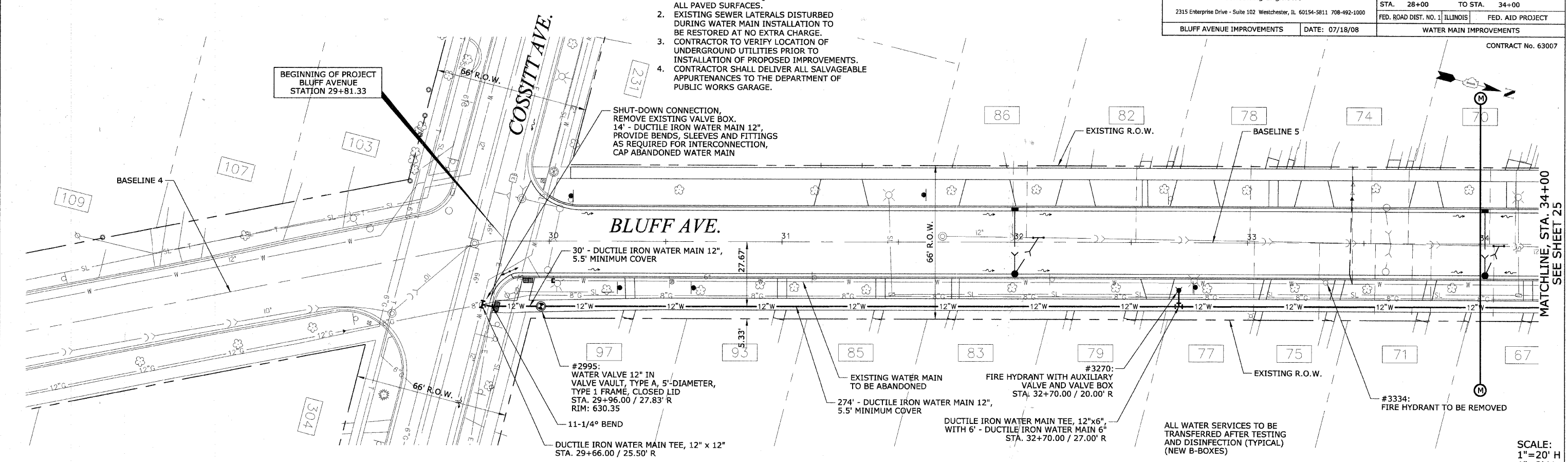


DATE	BY	REVISION

DATE	BY	REVISION

**GENERAL NOTES:**

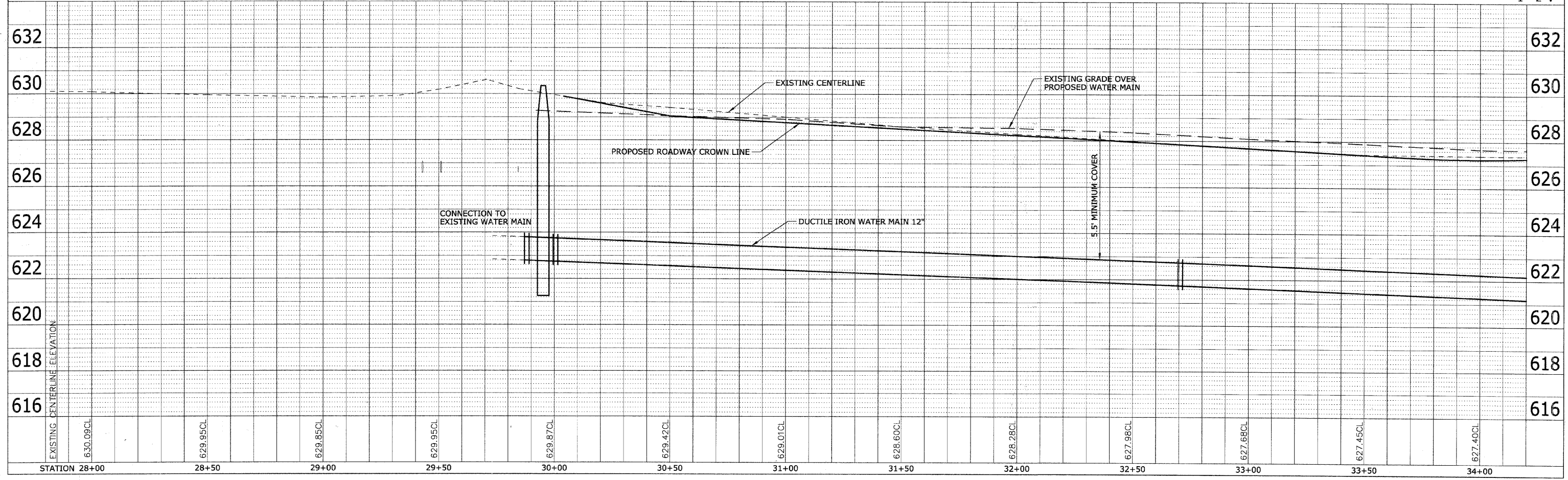
- TRENCH BACKFILL REQUIRED UNDER ALL PAVED SURFACES.
- EXISTING SEWER LATERALS DISTURBED DURING WATER MAIN INSTALLATION TO BE RESTORED AT NO EXTRA CHARGE.
- CONTRACTOR TO VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF PROPOSED IMPROVEMENTS.
- CONTRACTOR SHALL DELIVER ALL SALVAGEABLE APPURTENANCES TO THE DEPARTMENT OF PUBLIC WORKS GARAGE.



SCALE:  
 1" = 20' H  
 1" = 2' V

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
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DATE	
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REVISIONS	
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DESCRIPTION	
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BY	

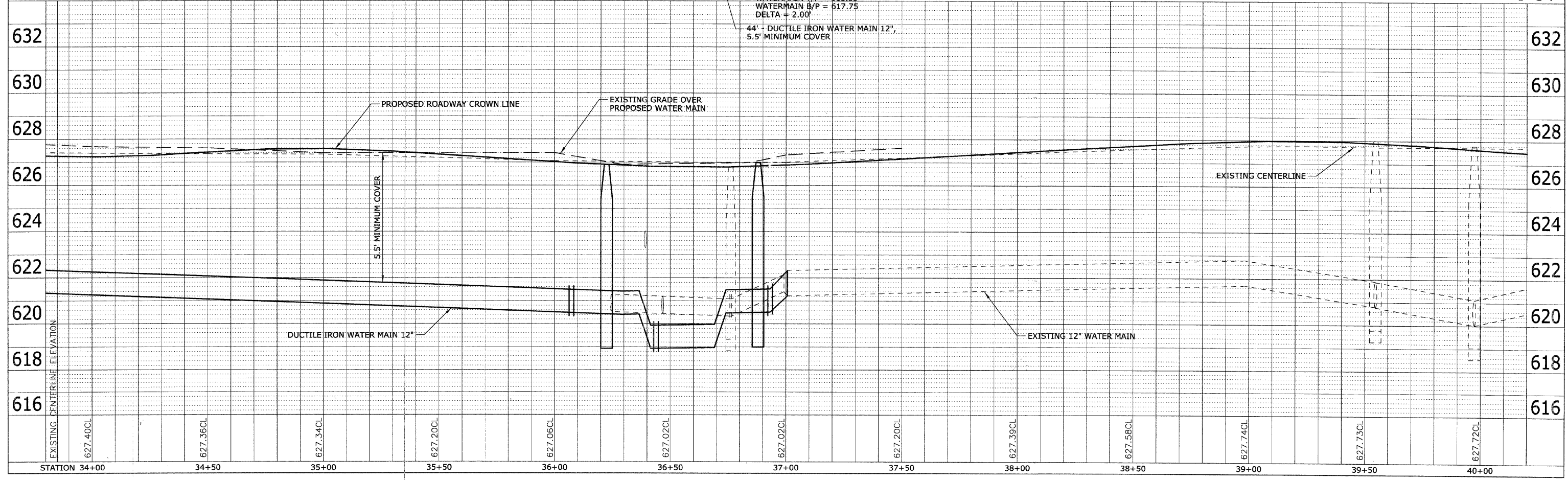
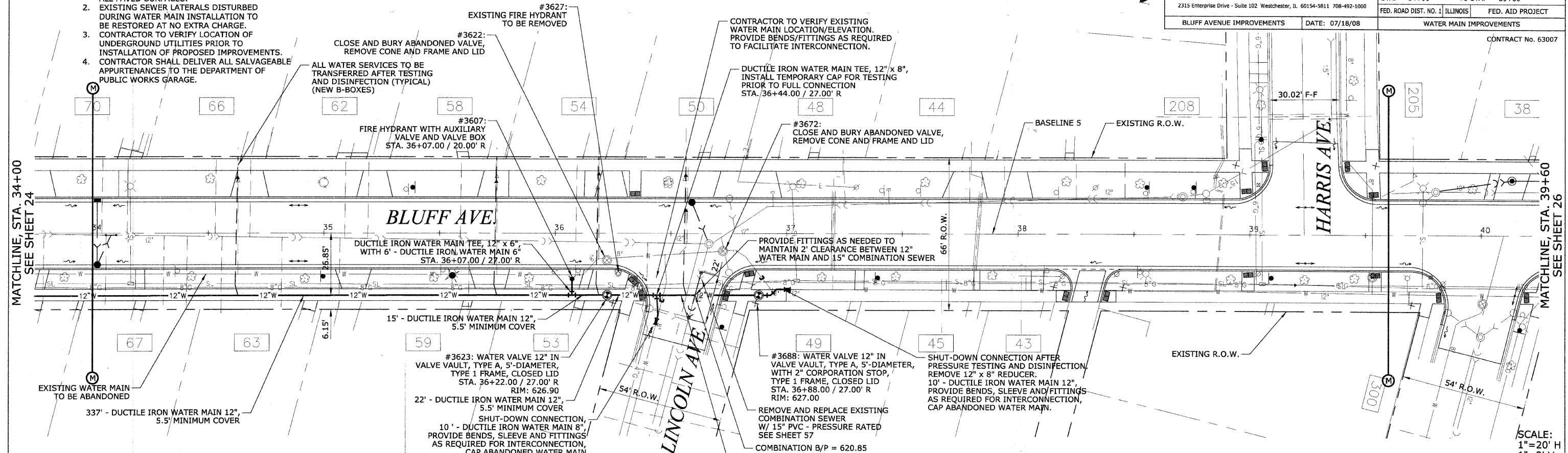




**GENERAL NOTES:**

1. TRENCH BACKFILL REQUIRED UNDER ALL PAVED SURFACES.
2. EXISTING SEWER LATERALS DISTURBED DURING WATER MAIN INSTALLATION TO BE RESTORED AT NO EXTRA CHARGE.
3. CONTRACTOR TO VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF PROPOSED IMPROVEMENTS.
4. CONTRACTOR SHALL DELIVER ALL SALVAGEABLE APPURTENANCES TO THE DEPARTMENT OF PUBLIC WORKS GARAGE.

<b>HEUER AND ASSOCIATES</b>		F.A.U. No. 1004	SECTION 08-00079-01-FP	COUNTY COOK	TOTAL SHEETS 46	SHEET No. 25
Consulting Engineers		2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000		DATE: 07/18/08		
BLUFF AVENUE IMPROVEMENTS		DATE: 07/18/08		WATER MAIN IMPROVEMENTS		
STA. 34+00		TO STA. 39+60		FED. ROAD DIST. NO. 1 ILLINOIS		
				FED. AID PROJECT		

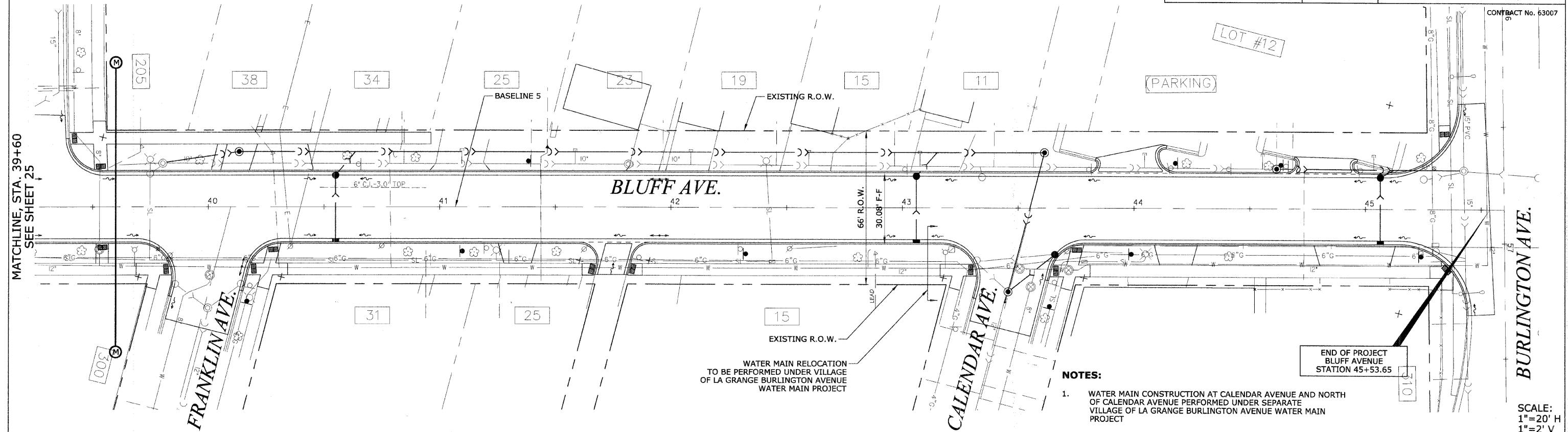


DATE	BY	PLANNED	NOTED	CHECKED	DATE

DATE	BY	PROFILING	NOTED	CHECKED	DATE



DATE	
BY	
CHECKED	
APPROVED	
NO.	
FILE NAME	
PROJECT	
PLAN	
NOTE BOOK	
NO.	

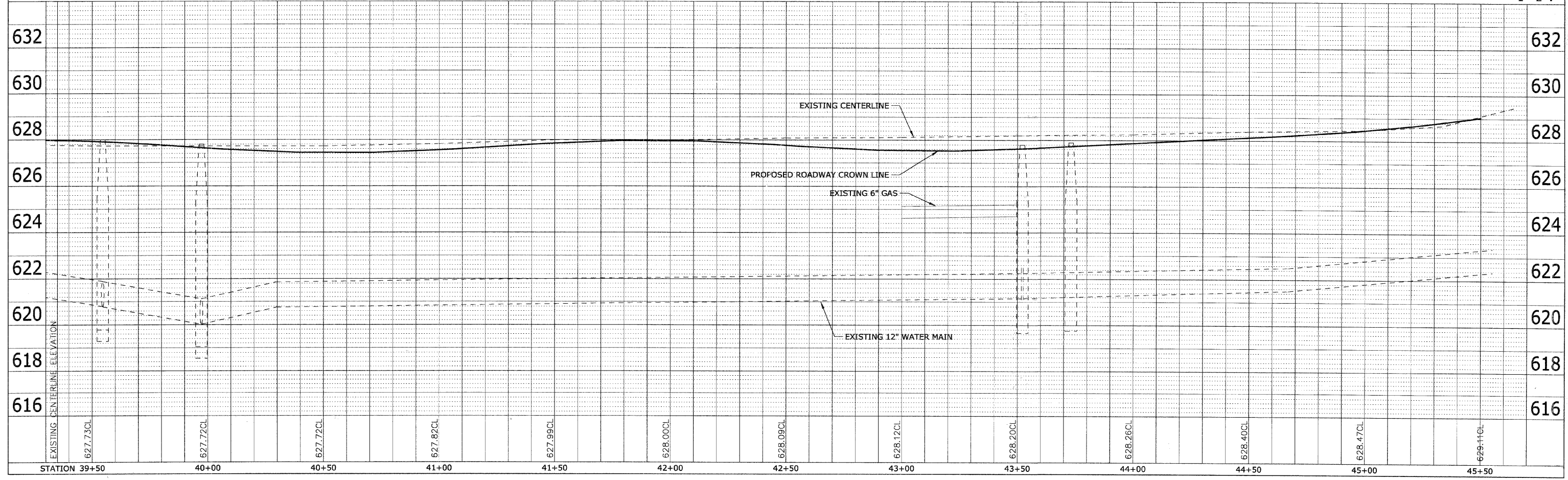


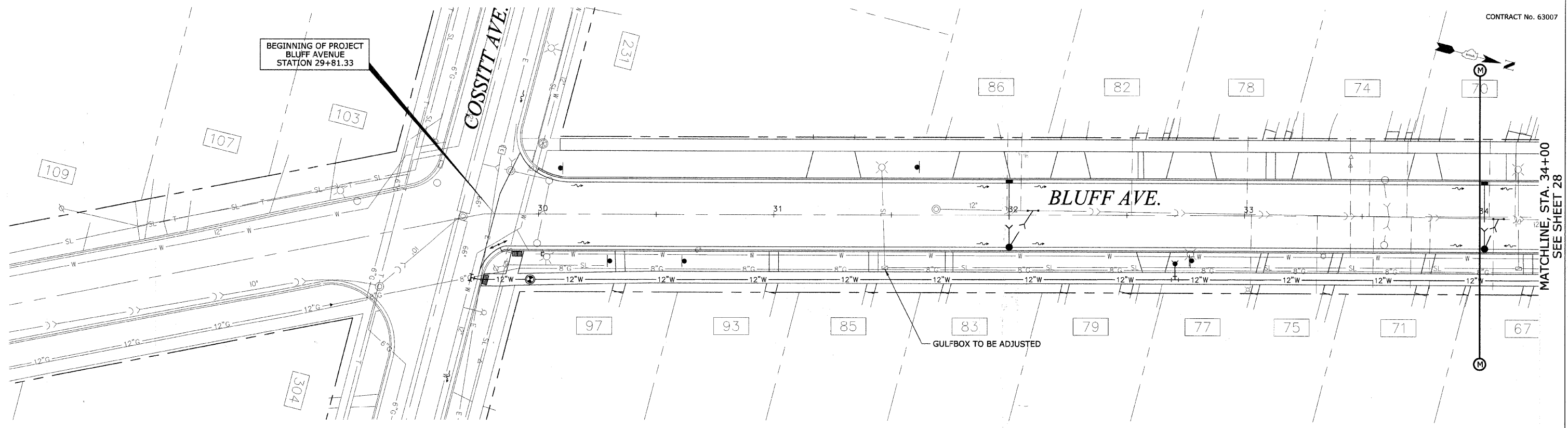
**NOTES:**  
 1. WATER MAIN CONSTRUCTION AT CALENDAR AVENUE AND NORTH OF CALENDAR AVENUE PERFORMED UNDER SEPARATE VILLAGE OF LA GRANGE BURLINGTON AVENUE WATER MAIN PROJECT

END OF PROJECT  
 BLUFF AVENUE  
 STATION 45+53.65

SCALE:  
 1" = 20' H  
 1" = 2' V

DATE	
BY	
CHECKED	
APPROVED	
NO.	
FILE NAME	
PROJECT	
PROFILE	
NOTE BOOK	
NO.	





BEGINNING OF PROJECT  
BLUFF AVENUE  
STATION 29+81.33

GULFBOX TO BE ADJUSTED

MATCHLINE, STA. 34+00  
SEE SHEET 28

PLAN	DATE
BY	
CHECKED	
DATE	
NO.	

PROFILE	DATE
BY	
CHECKED	
DATE	
NO.	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS  
STAGE 1**  
**ELECTRICAL/STREETLIGHTING PLAN**

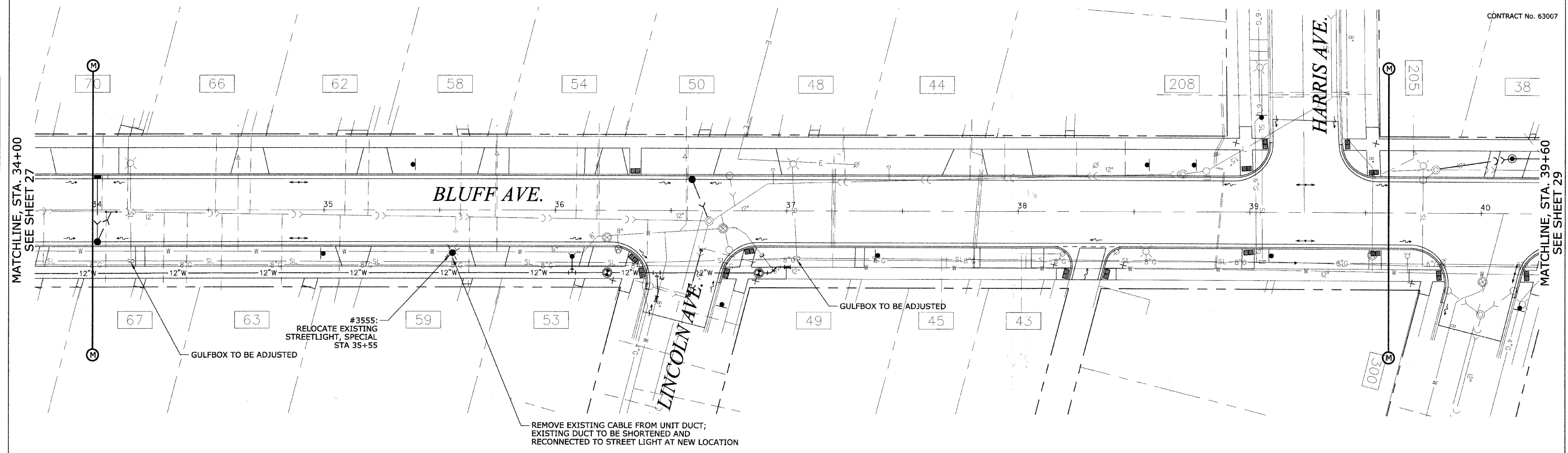
SCALE: 1" = 20' H (Full Size)  
1" = 44' H (Tabloid)

DATE 07/18/2008

DRAWN BY H&A  
CHECKED BY PFH



CONTRACT No. 63007



PLAN	DATE
BY	
REVISIONS	
NOTE BOOK	
NO.	

PROFILE	DATE
BY	
REVISIONS	
NOTE BOOK	
NO.	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS**  
**STAGE 1**  
**ELECTRICAL/STREETLIGHTING PLAN**

SCALE: 1" = 20' H (Full Size)  
1" = 44' H (Tabloid)

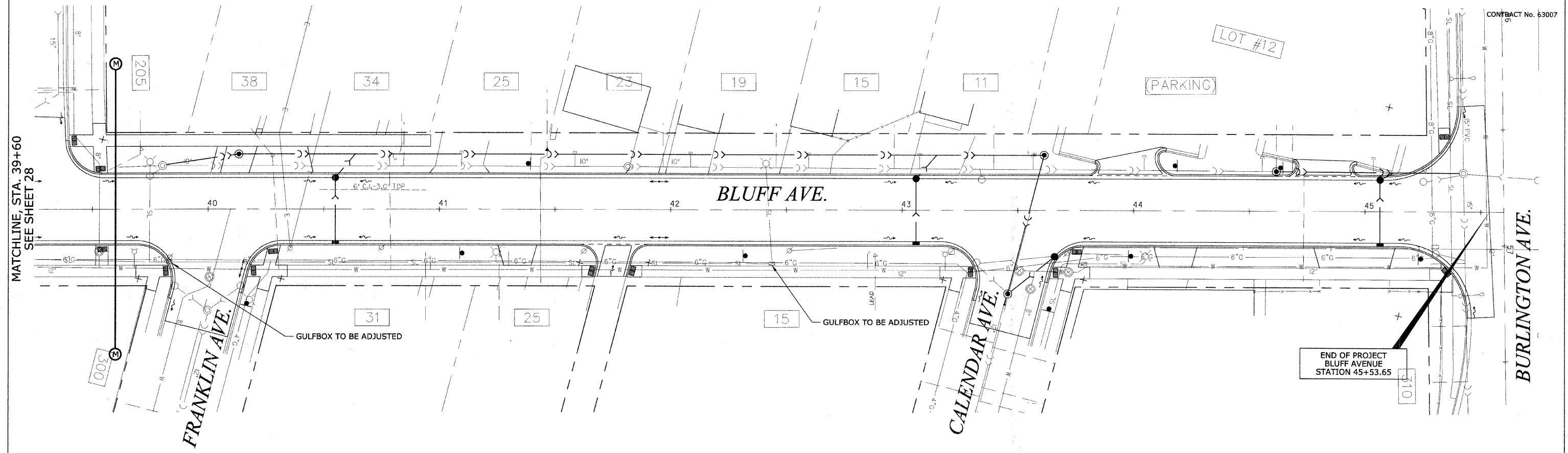
DATE 07/18/2008

DRAWN BY H&A  
CHECKED BY PFH



PLAN	DESIGNED	DATE
NOTE BOOK	ALIGNED	
NO.	CHECKED	
	FILE NAME	
	FILE NO.	

PROFILE	DESIGNED	DATE
NOTE BOOK	ALIGNED	
NO.	CHECKED	
	FILE NAME	
	FILE NO.	



MATCHLINE STA. 39+60  
 SEE SHEET 28

CONTRACT No. 63007

END OF PROJECT  
 BLUFF AVENUE  
 STATION 45+53.65

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS**  
**STAGE 1**  
**ELECTRICAL/STREETLIGHTING PLAN**

SCALE: 1" = 20' H (Full Size)  
 1" = 44' H (Tabloid)

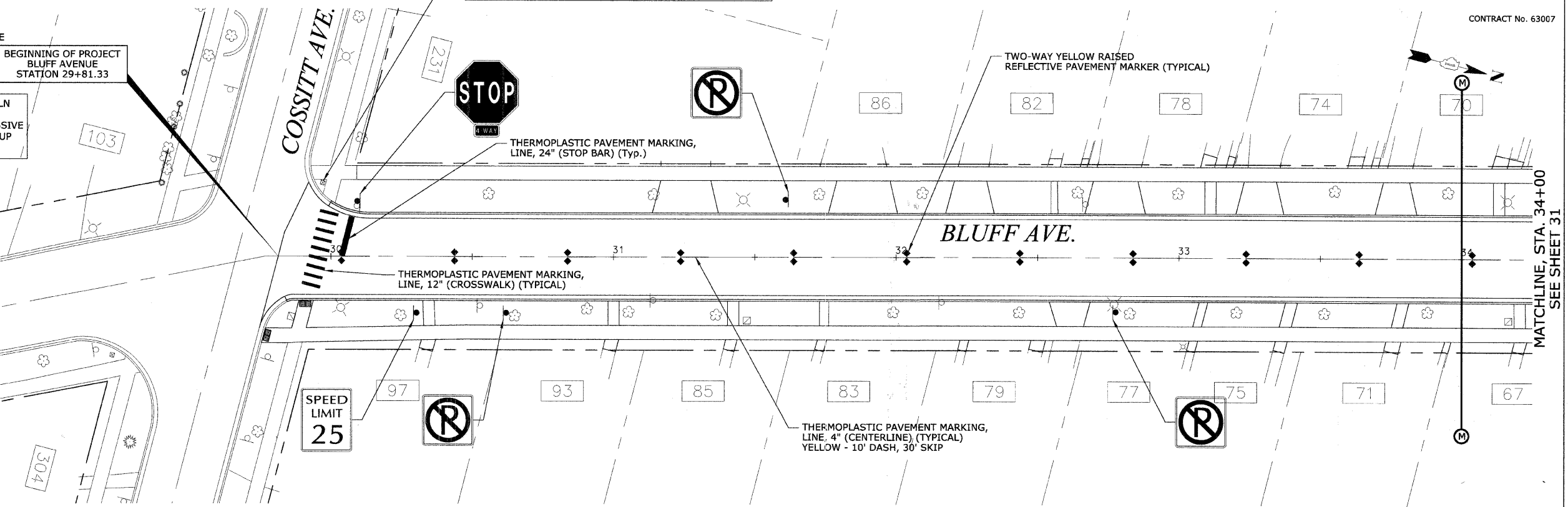
DATE 07/18/2008

DRAWN BY H&A  
 CHECKED BY PFH

**LANDSCAPING NOTES:**

- ALL DISTURBED AREAS SHALL BE RESTORED WITH TOPSOIL AND SALT TOLERANT SOD. LIMITS FOR RESTORATION SHALL BE UP TO THE RIGHT OF WAY LIMITS UNLESS OTHERWISE NOTED.
- UNLESS SPECIFICALLY DIRECTED ON THE PLANS OR DIRECTED/ APPROVED BY THE ENGINEER, PAYMENT FOR SOD RESTORATION SHALL BE LIMITED TO 3 FEET ALONG REPLACED CURB, SIDEWALK, OR DRIVEWAY APRON. SODDING SHALL BE PLACED IN ACCORDANCE WITH THE SEASONAL SCHEDULE AS OUTLINED IN ARTICLE 252.04 OF THE IDOT STANDARD SPECIFICATION. SEASONAL PLANTING SCHEDULE FOR SEEDING SHALL BE OUTLINED IN ACCORDANCE WITH ARTICLE 250.07 OF THE IDOT STANDARD SCHEDULE.
- ADJUSTMENTS TO EXISTING BUFFALO BOXES (NORTH OF LINCOLN AVENUE) SHALL BE CONSIDERED INCIDENTAL. PRIOR TO SOD INSTALLATION THE SUBGRADE SHALL BE RAKED TO REMOVE EXCESSIVE DEBRIS AND/OR WEEDS OR OTHER ORGANIC MATTER. THIS TOUCHUP SHALL BE CONSIDERED INCIDENTAL TO THE SODDING LINE ITEM.
- NUTRIENT ALLOWANCE FOR SODDING:  
 NITROGEN FERTILIZER NUTRIENTS 60 LB/ACRE  
 PHOSPHORUS FERTILIZER NUTRIENTS 60 LB/ACRE  
 POTASSIUM FERTILIZER NUTRIENTS 60 LB/ACRE  
 NUTRIENT ALLOWANCE FOR SEEDING:  
 NITROGEN FERTILIZER NUTRIENTS 90 LB/ACRE  
 PHOSPHORUS FERTILIZER NUTRIENTS 90 LB/ACRE  
 POTASSIUM FERTILIZER NUTRIENTS 90 LB/ACRE
- ALL SODDING SHALL BE ROLLED AFTER PLACEMENT. SOD STAKING SHALL BE REQUIRED AT THE DISCRETION OF THE ENGINEER.
- ALL LANDSCAPED SHRUB AREAS SHALL RECEIVE WOOD CHIP MULCH, 4" THICKNESS.
- PROVISIONS SHALL BE MADE FOR WATERING AND MAINTENANCE UNTIL THE PLANTING MATERIALS HAVE BECOME ESTABLISHED AS IN ARTICLE 253 OF THE IDOT STANDARD SPECIFICATION.

BEGINNING OF PROJECT  
BLUFF AVENUE  
STATION 29+81.33



**HEUER AND ASSOCIATES**  
 Consulting Engineers  
 2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
1004	00-00079-01-FP	COOK	46	30
STA. 28+00	TO STA. 34+00			
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

CONTRACT No. 63007

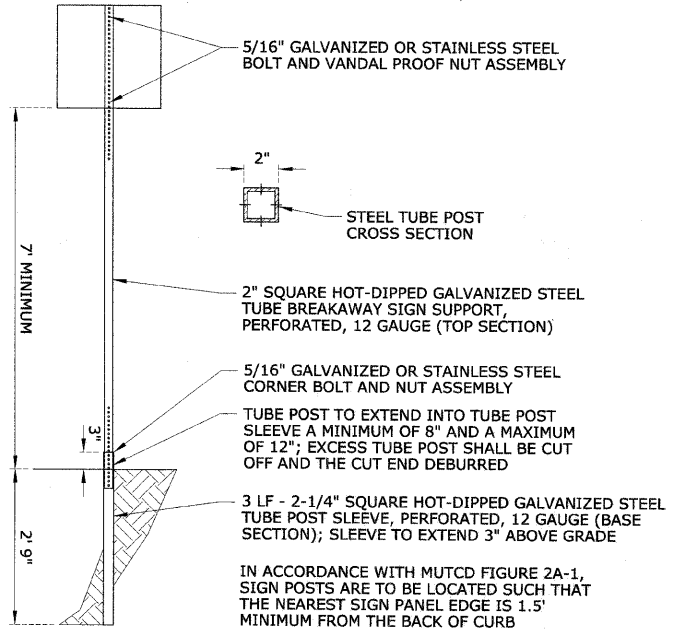
**PAVEMENT MARKING NOTES:**

- LOCATION AND PLACEMENT OF ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THAT STIPULATED ON THE PLANS, AS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2003 EDITION, REVISION 1), OR AS INDICATED BY THE ENGINEER
- THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR BITUMINOUS SURFACES.
- ALL LINES TO BE WHITE UNLESS OTHERWISE NOTED.
- CENTERLINE SHALL BE YELLOW WITH A 10 FOOT DASH WITH A 30 FOOT SKIP.
- DOTTED LINE SHALL BE WHITE WITH A 2 FOOT DASH WITH A 6 FOOT SKIP.
- RAISED REFLECTIVE MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2" TOWARDS TRAFFIC AS SHOWN AND SPACED 40 FEET ON CENTER (MAXIMUM) EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.

**TRAFFIC SIGNS AND MARKER NOTES:**

- ALL SIGN AND POST REMOVAL REQUIRED SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. SIGN REMOVAL SHALL BE PROPERLY STAGED TO MAINTAIN TRAFFIC CONTROL DURING THE PROJECT. REMOVED SIGNS AND POSTS SHALL REMAIN THE PROPERTY OF THE VILLAGE OF LA GRANGE AND SHALL BE DELIVERED BY THE CONTRACTOR TO A SITE DESIGNATED BY THE VILLAGE.
- LOCATION AND PLACEMENT OF ALL NEW SIGNS SHALL BE IN ACCORDANCE WITH THAT STIPULATED ON THE PLANS, AS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, OR AS INDICATED BY THE ENGINEER.

SIGN INFORMATION			
REF #	SIGN DESIGNATION, SIZE	SIGN MESSAGE (SYMBOL)	QTY.
1	R1-1, 30"x30" & R1-3-4, 12"x6"	STOP - 4-WAY	1
2	R1-1, 30"x30" & R1-15, 18"x12"	STOP - CROSS TRAFFIC DOES NOT STOP	5
3	R2-1, 24"x30"	SPEED LIMIT 25	2
4	R8-3a, 24"x24"	NO PARKING	13
5	W9-12, 12"x18"	SLOW CHILDREN AT PLAY	1
TOTAL SIGNS .....			22



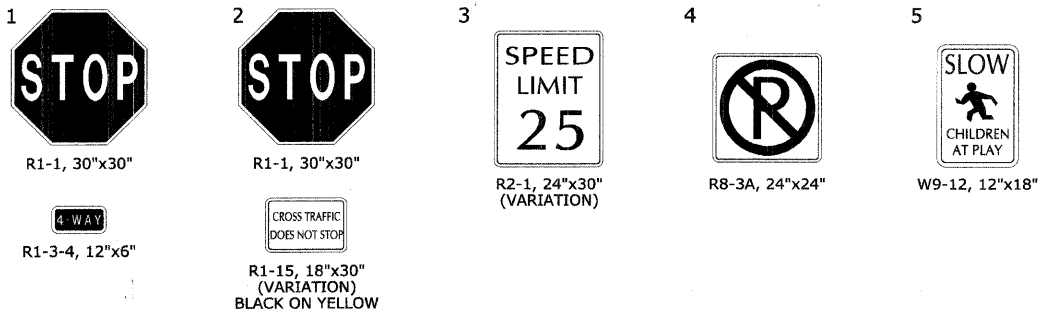
**SIGN POST INSTALLATION**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS**  
**STAGE 1**  
**PAVEMENT MARKING, SIGNING**  
**AND LANDSCAPING**

SCALE: 1" = 20' H (Full Size)  
 1/4" = 44' H (Tabloid)

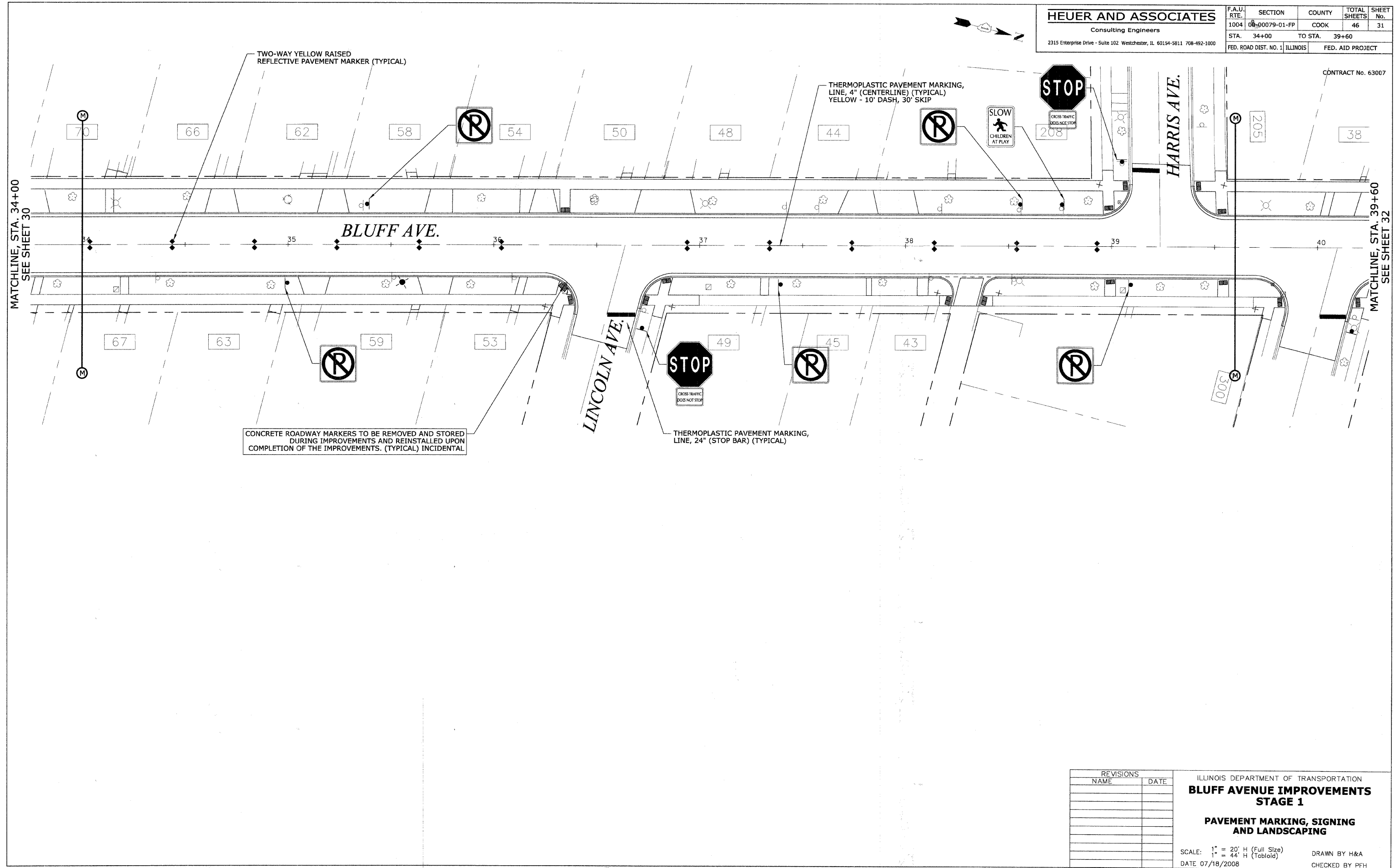
DATE 07/18/2008 DRAWN BY H&A  
 CHECKED BY PFH



CONTRACT No. 63007

PLAN	DATE
BY	
DESIGNED	
CHECKED	
PLOTTED	
NOTES CHECKED	
NO. _____	
DATE	

PROFILE	DATE
BY	
DESIGNED	
CHECKED	
PLOTTED	
NOTES CHECKED	
NO. _____	
DATE	



CONCRETE ROADWAY MARKERS TO BE REMOVED AND STORED DURING IMPROVEMENTS AND REINSTALLED UPON COMPLETION OF THE IMPROVEMENTS. (TYPICAL) INCIDENTAL

THERMOPLASTIC PAVEMENT MARKING, LINE, 24" (STOP BAR) (TYPICAL)

THERMOPLASTIC PAVEMENT MARKING, LINE, 4" (CENTERLINE) (TYPICAL) YELLOW - 10' DASH, 30' SKIP

TWO-WAY YELLOW RAISED REFLECTIVE PAVEMENT MARKER (TYPICAL)

REVISIONS	
NAME	DATE

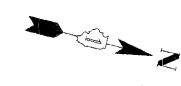
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS**  
**STAGE 1**  
**PAVEMENT MARKING, SIGNING**  
**AND LANDSCAPING**

SCALE: 1" = 20' H (Full Size)  
 1" = 44' H (Tabloid)  
 DATE 07/18/2008

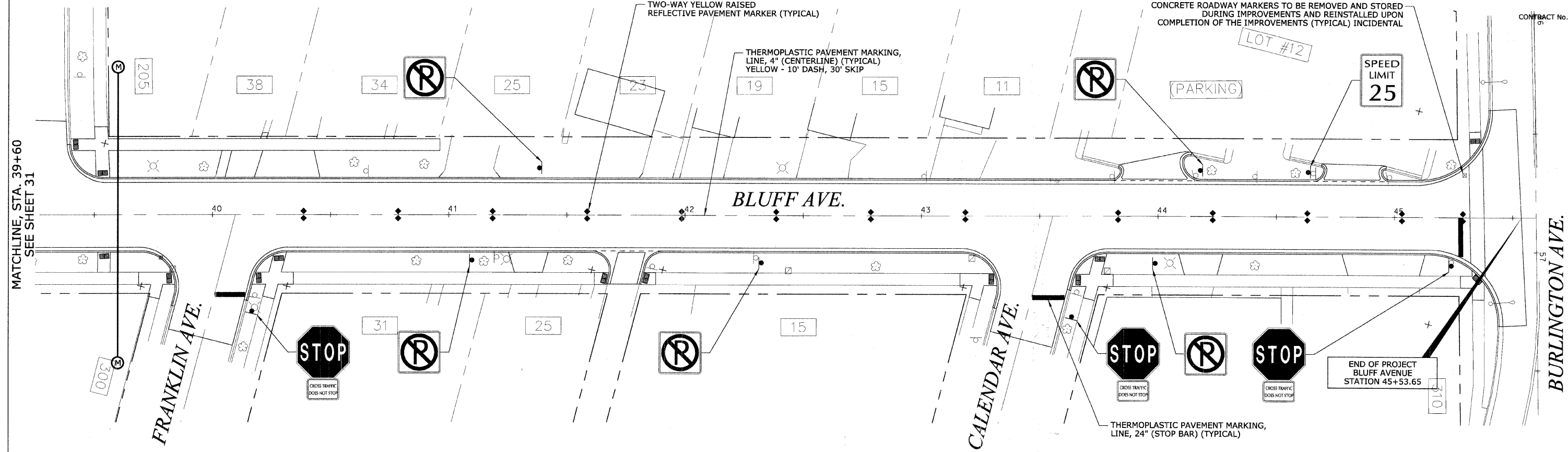
DRAWN BY H&A  
 CHECKED BY PFH

**HEUER AND ASSOCIATES**  
 Consulting Engineers  
 2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
1004	00-00079-01-FP	COOK	46	32
STA. 39+60	TO STA. 45+53.65			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



CONTRACT No. 63007



MATCHLINE, STA. 39+60  
 SEE SHEET 31

PLAN	DESIGNED	DATE
	BY	
	CHECKED	
	DATE	
	NO.	

PROFILE	DESIGNED	DATE
	BY	
	CHECKED	
	DATE	
	NO.	

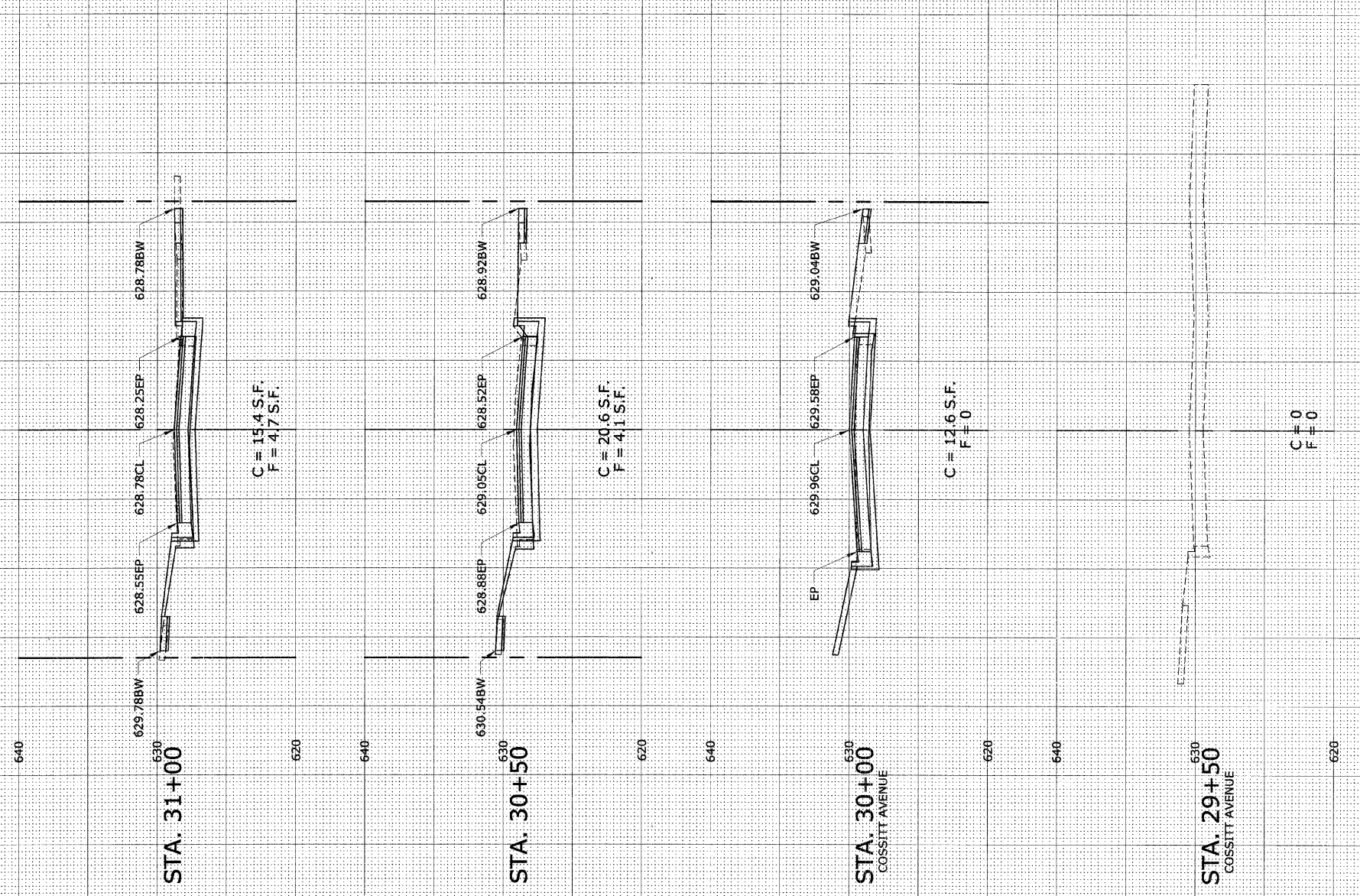
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS**  
**STAGE 1**  
**PAVEMENT MARKING, SIGNING**  
**AND LANDSCAPING**  
 SCALE: 1" = 20' H (Full Size)  
 1" = 44' H (Tabloid)  
 DATE 07/18/2008  
 DRAWN BY H&A  
 CHECKED BY PFH



FINAL SURVEY	DATE
SURVISED	
PLOTTED	
NOTED	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVISED	
PLOTTED	
NOTED	
AREAS CHECKED	
NO.	



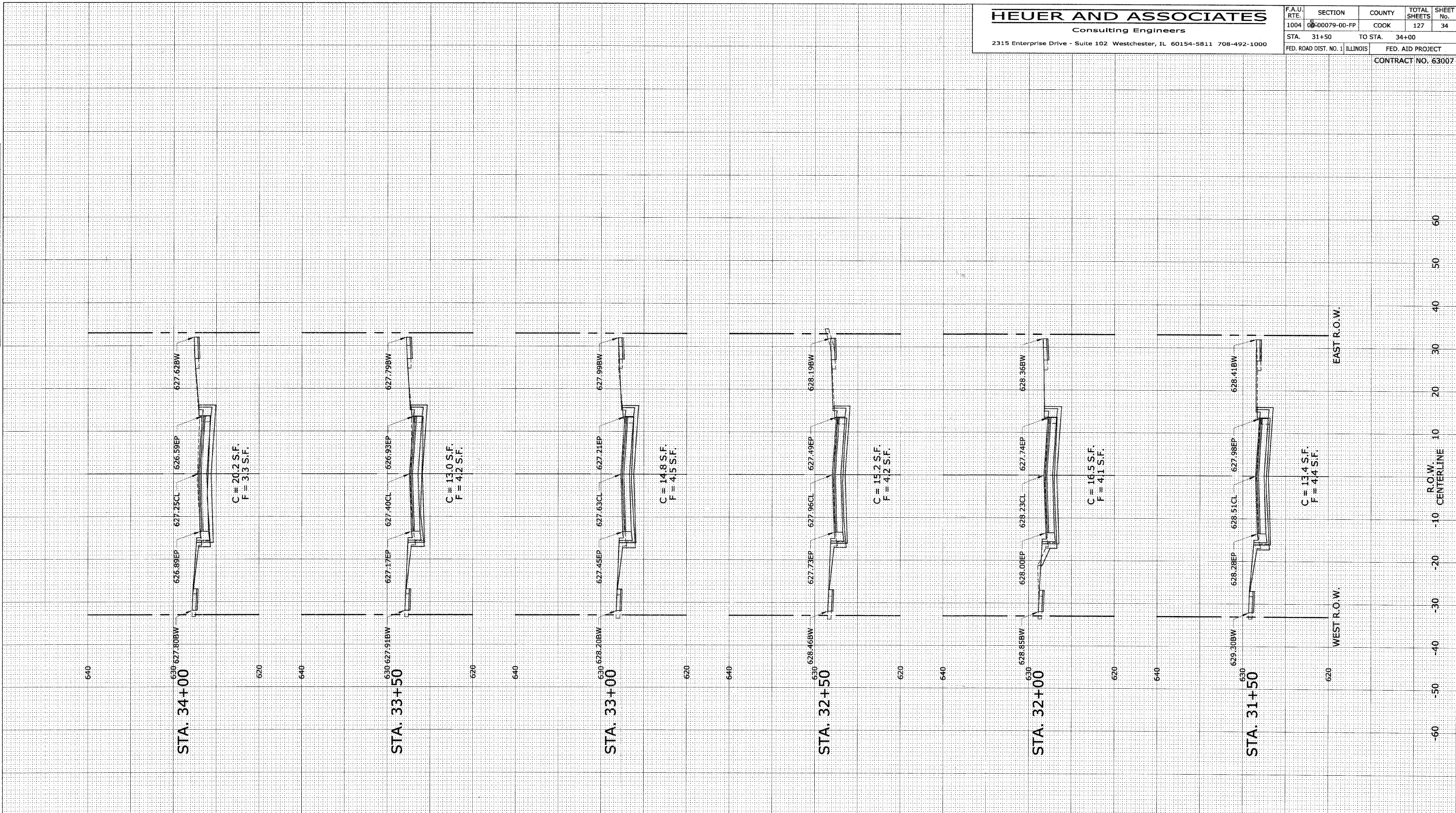
CROSS SLOPE INFORMATION	
PAVEMENT TYPE	TYPICAL SLOPE
ROADWAY	2%
SIDEWALK	2%
DRIVEWAY	6%

SCALE:  
 1"=10' H  
 1"=5' V

R.O.W. CENTERLINE -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS CHECKED	

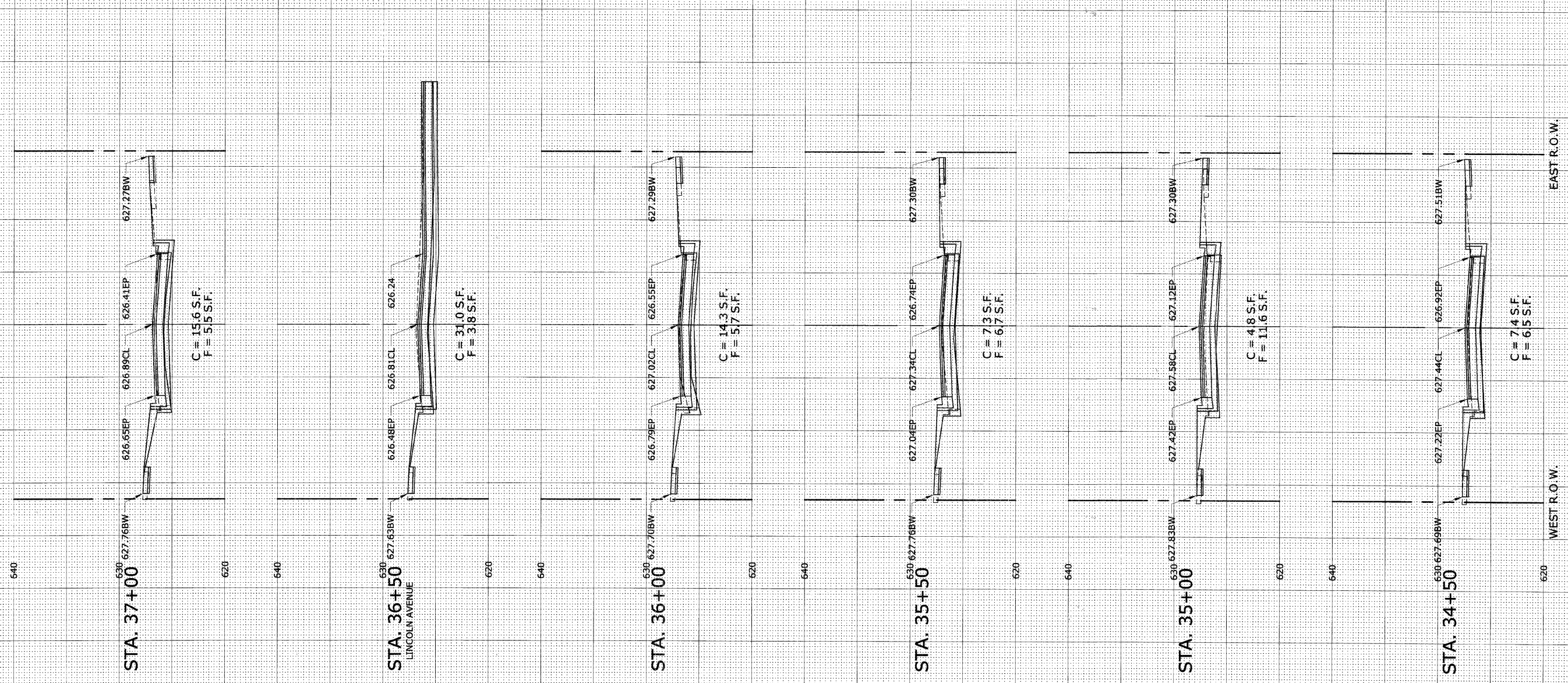


CROSS SLOPE INFORMATION	
PAVEMENT TYPE	TYPICAL SLOPE
ROADWAY	2%
SIDEWALK	2%
DRIVEWAY	6%

SCALE:  
 1"=10' H  
 1"=5' V

FINAL SURVEY	BY	DATE
SURVYD		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVYD		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		



CROSS SLOPE INFORMATION	
PAVEMENT TYPE	TYPICAL SLOPE
ROADWAY	2%
SIDEWALK	2%
DRIVEWAY	6%

SCALE:  
 1"=10' H  
 1"=5' V

# HEUER AND ASSOCIATES

Consulting Engineers

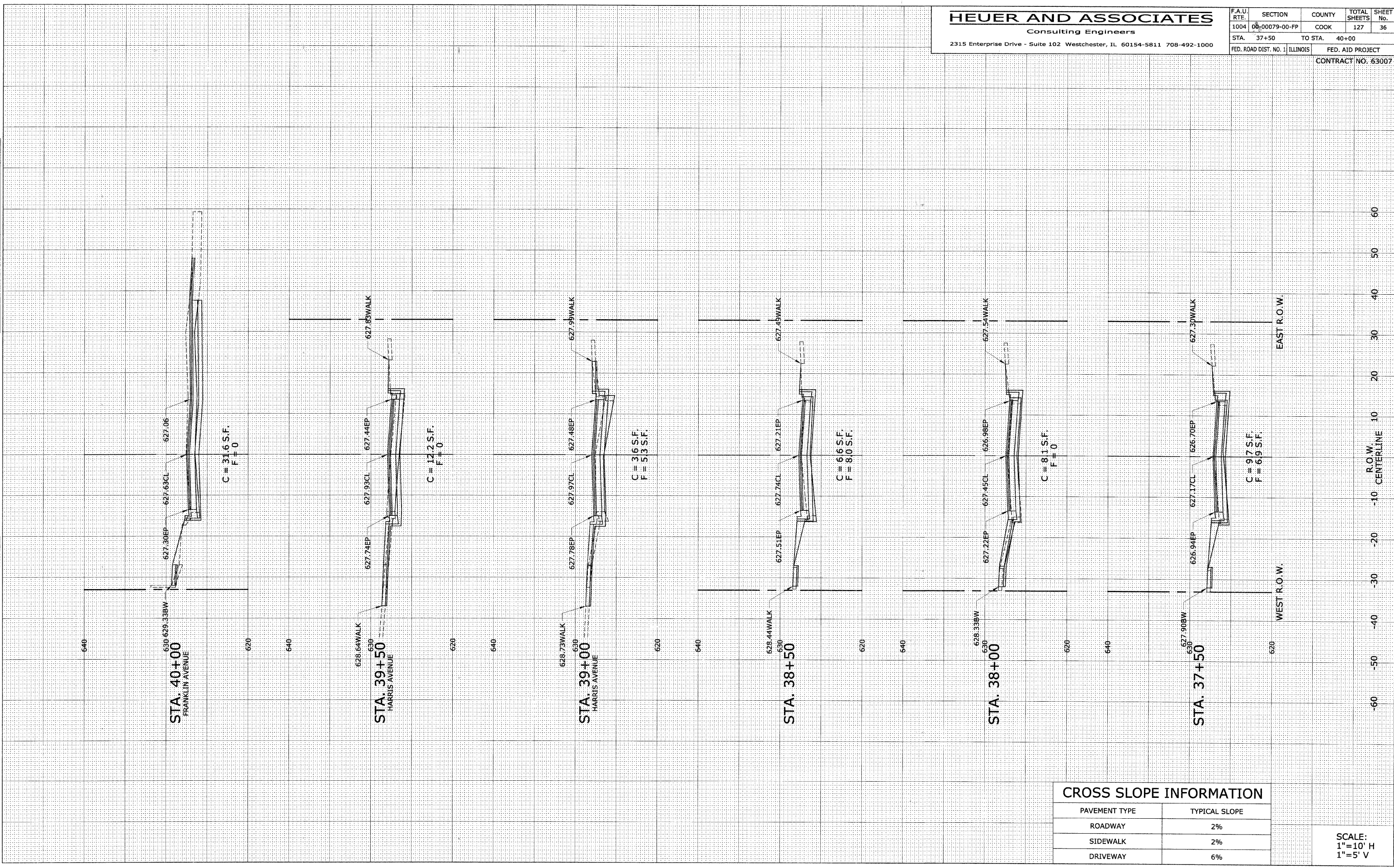
2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
1004	00-00079-00-PP	COOK	127	36
STA. 37+50	TO STA. 40+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 63007

DATE	BY
FINAL SURVEY	
NOTED	
AREAS CHECKED	
NO.	

DATE	BY
ORIGINAL SURVEY	
NOTED	
AREAS CHECKED	
NO.	



### CROSS SLOPE INFORMATION

PAVEMENT TYPE	TYPICAL SLOPE
ROADWAY	2%
SIDEWALK	2%
DRIVEWAY	6%

SCALE:  
1"=10' H  
1"=5' V

# HEUER AND ASSOCIATES

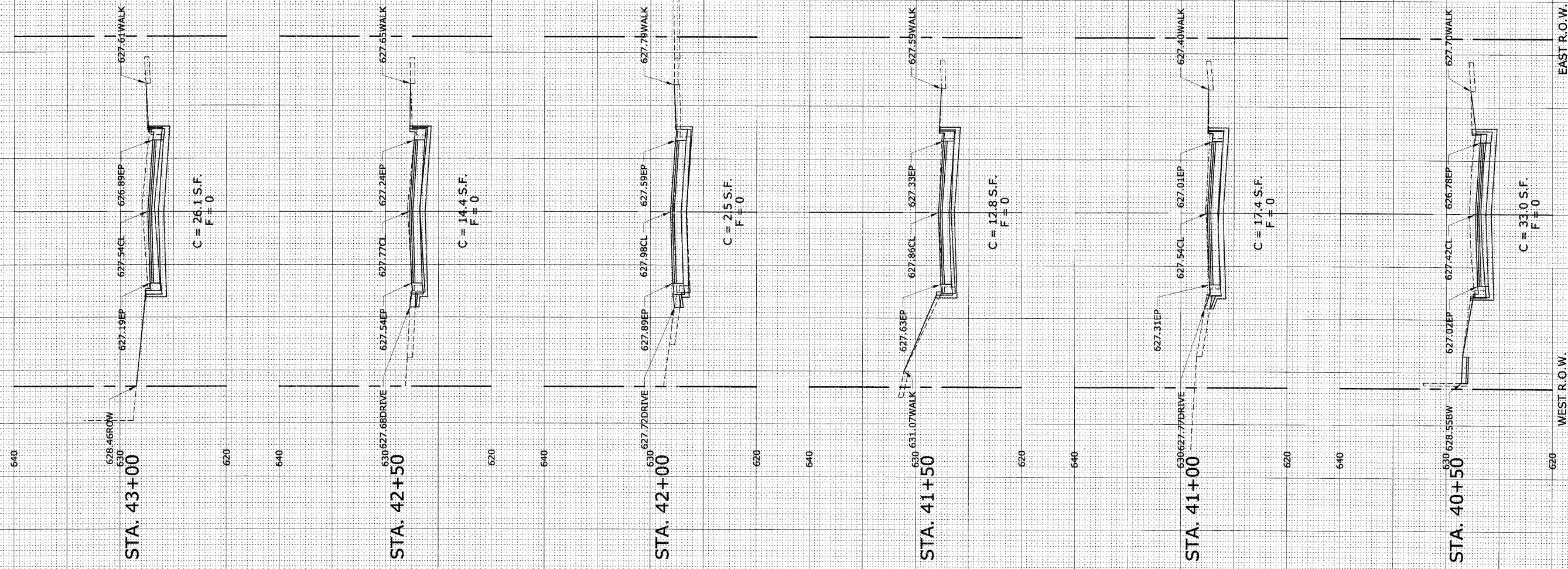
Consulting Engineers

2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
1004	00-00079-00-PP	COOK	127	37
STA. 40+50	TO STA. 43+00			
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 63007				

FINAL SURVEY	DATE
PLOTTED	BY
NOTE BOOK	NO.
AREAS CHECKED	

ORIGINAL SURVEY	DATE
PLOTTED	BY
NOTE BOOK	NO.
AREAS CHECKED	



CROSS SLOPE INFORMATION	
PAVEMENT TYPE	TYPICAL SLOPE
ROADWAY	2%
SIDEWALK	2%
DRIVEWAY	6%

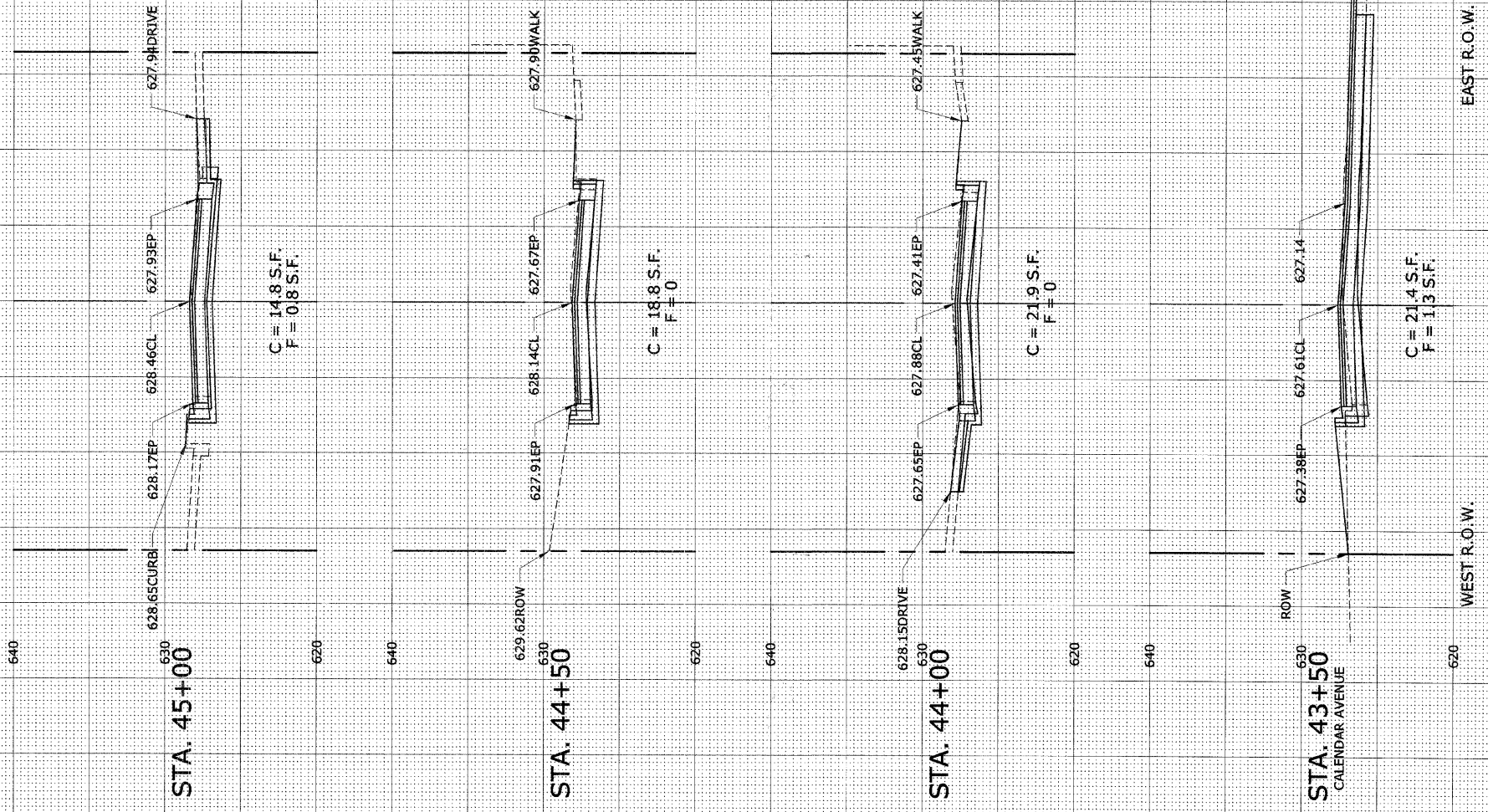
SCALE:  
1"=10' H  
1"=5' V

-60 -50 -40 -30 -20 -10 CENTERLINE 10 20 30 40 50 60

WEST R.O.W. EAST R.O.W.

FINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
REVISIONS	DATE
1. _____	_____
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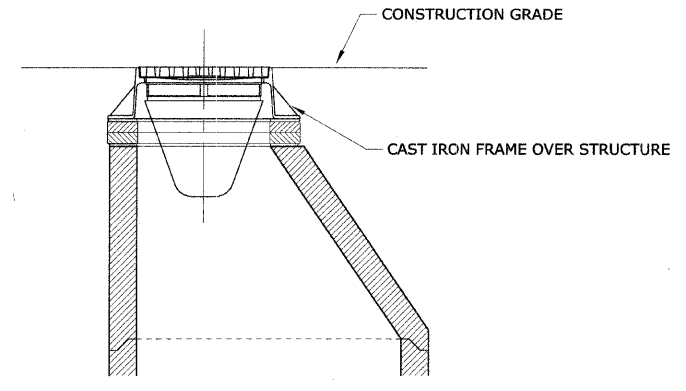
ORIGINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
REVISIONS	DATE
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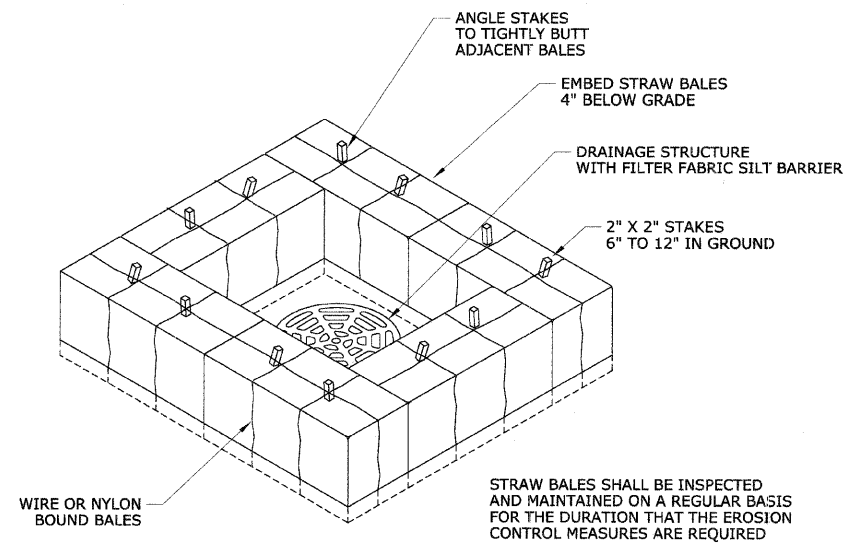
CROSS SLOPE INFORMATION	
PAVEMENT TYPE	TYPICAL SLOPE
ROADWAY	2%
SIDEWALK	2%
DRIVEWAY	6%

SCALE:  
 1"=10' H  
 1"=5' V

CONTRACT No. 63007



**INLET FILTER INSTALLATION DETAIL**

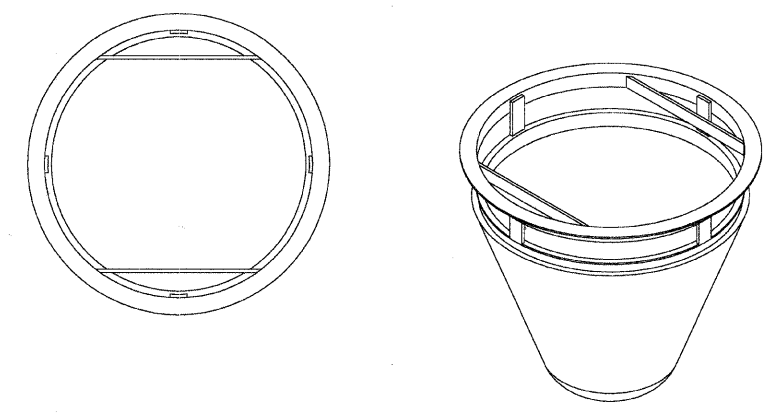


**STRAW BALE SURROUND DETAIL**

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING			A			*	*					
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C			* D*						
SODDING			E**									
MULCHING	F											

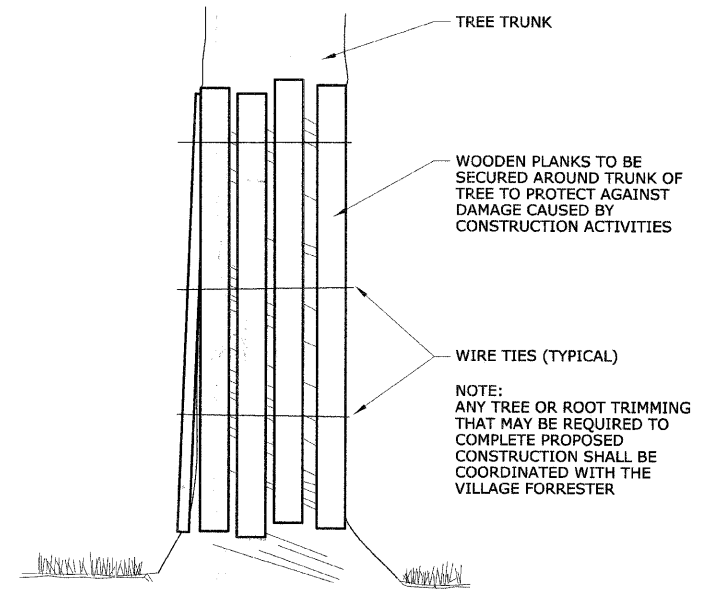
- A. KENTUCKY BLUEGRASS 90 LBS/AC MIXED WITH PERENNIAL RYEGRASS 30 LBS/AC
  - B. KENTUCKY BLUEGRASS 135 LBS/AC MIXED WITH PERENNIAL RYEGRASS 45 LBS/AC + 2 TONS STRAW MULCH/AC
  - C. SPRING OATS 100 LBS/AC
  - D. WHEAT OR CEREAL RYE 150 LBS/AC
  - E. SOD
  - F. STRAW MULCH 2 TONS/AC
- \* IRRIGATION NEEDED DURING JUNE AND JULY
- \*\* IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD

**SOIL PROTECTION CHART**



**INLET FILTER ASSEMBLY DETAIL**

- NOTES**
1. INLET FILTER ASSEMBLY SHALL MEET IDOT'S PROVISIONAL SPECIFICATIONS (ISP 04-11).
  2. MAINTENANCE/CLEANING OF THE INLET FILTER ASSEMBLY SHALL BE IN STRICT ACCORDANCE WITH THE SPECIAL PROVISIONS AND THE MANUFACTURER'S RECOMMENDATIONS AND WRITTEN SPECIFICATIONS.
  3. PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL DETERMINE THE SIZE AND SHAPE OF THE VARIOUS DRAINAGE STRUCTURES BEING PROTECTED.
  4. MANUFACTURER SHALL FURNISH A CERTIFICATION WITH EACH SHIPMENT STATING COMPLIANCE WITH IDOT REQUIREMENTS.
  5. ASSEMBLY SHALL BE AS MANUFACTURED BY INLET AND PIPE PROTECTION, INC., MARATHON MATERIALS, OR APPROVED EQUAL.



**TREE TRUNK PROTECTION**

REVISIONS	
NAME	DATE

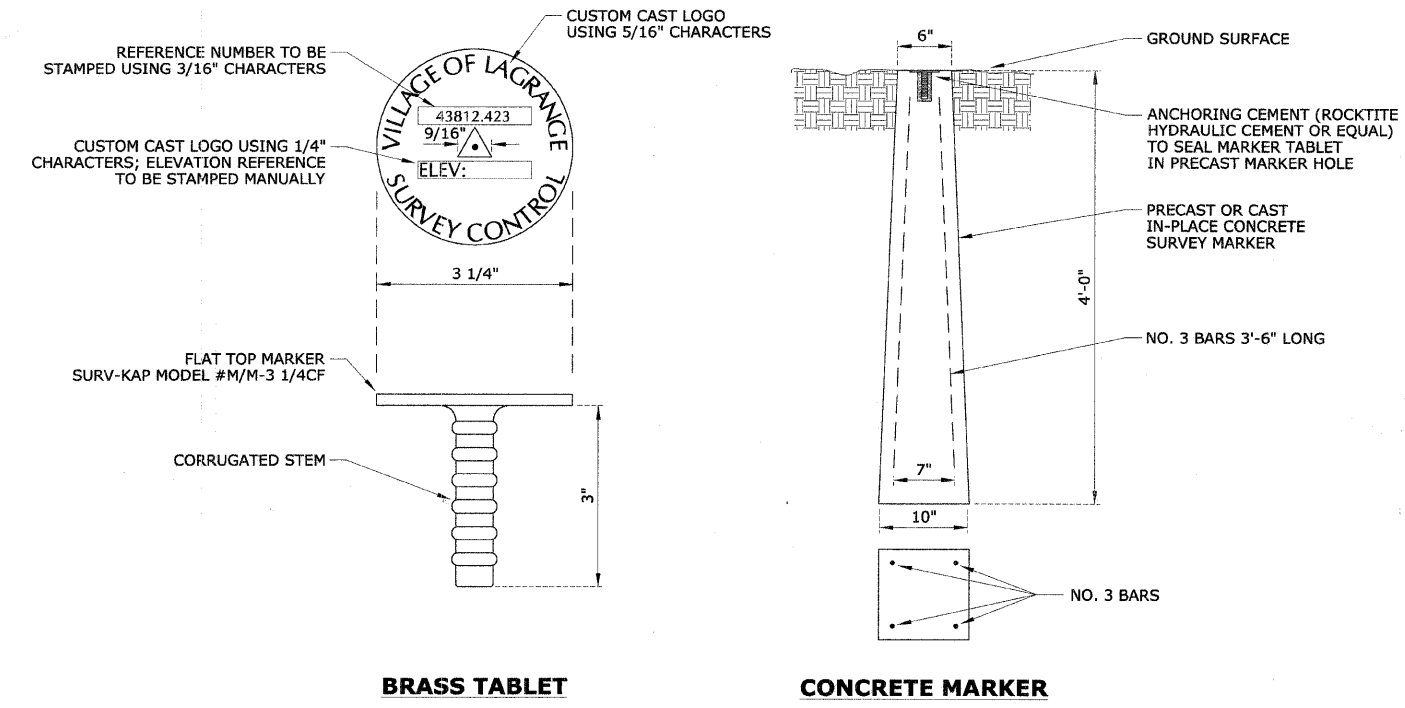
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS  
 STAGE 1**  
**CONSTRUCTION DETAILS - SPECIAL**

SCALE: NTS  
 DATE 07/18/2008

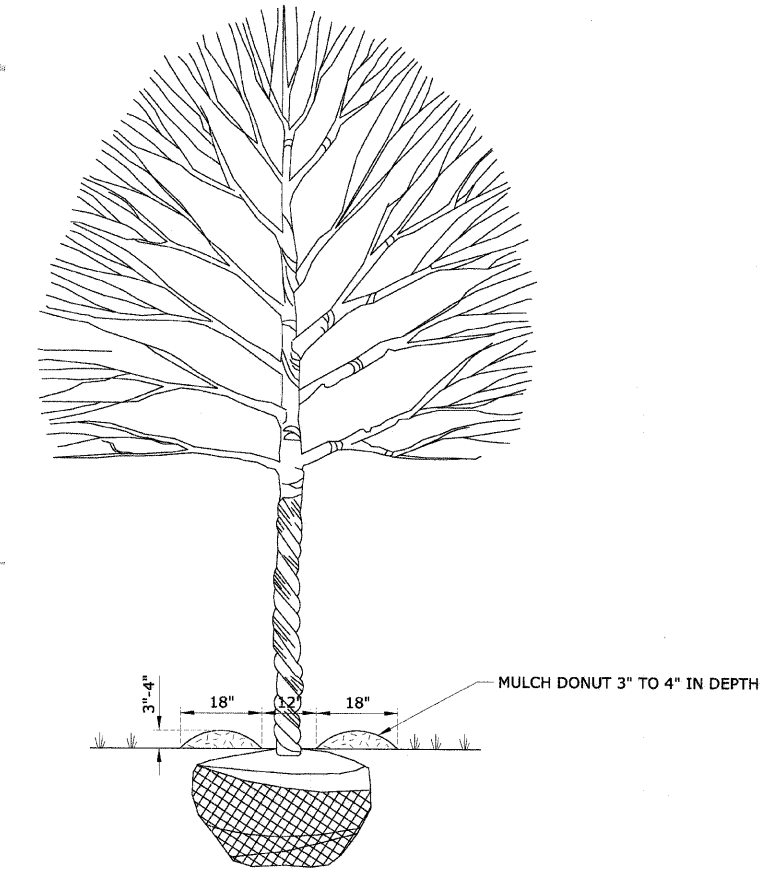
DRAWN BY H&A  
 CHECKED BY PFH

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 PLAN NO. \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 PROFILE NO. \_\_\_\_\_



**PERMANENT SURVEY MARKER**



**TREE MULCH DONUT DETAIL**

SURVEY MARKER DATA		
SHEET NUMBER	BLOCK LOCATION	STAMPED REFERENCE NUMBER
20	4-216	43812-216

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS**  
**STAGE 1**  
**CONSTRUCTION DETAILS - SPECIAL**

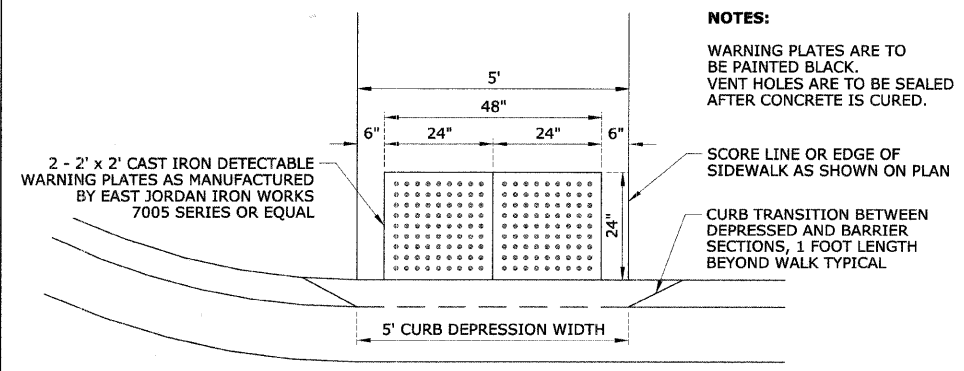
SCALE: NTS  
DATE 07/18/2008

DRAWN BY H&A  
CHECKED BY PFH

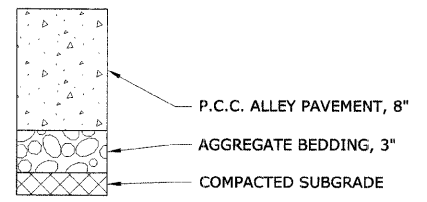




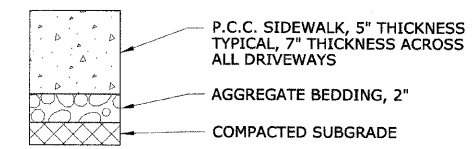




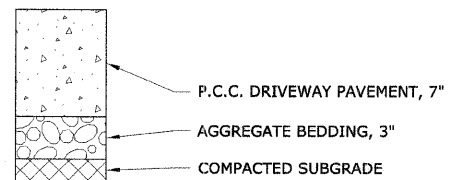
**HANDICAP RAMP WITH DETECTABLE WARNINGS**



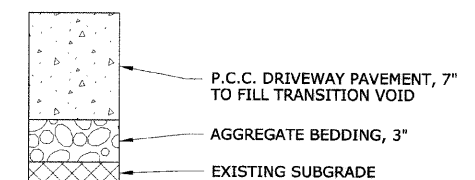
**P.C.C. ALLEY PAVEMENT**



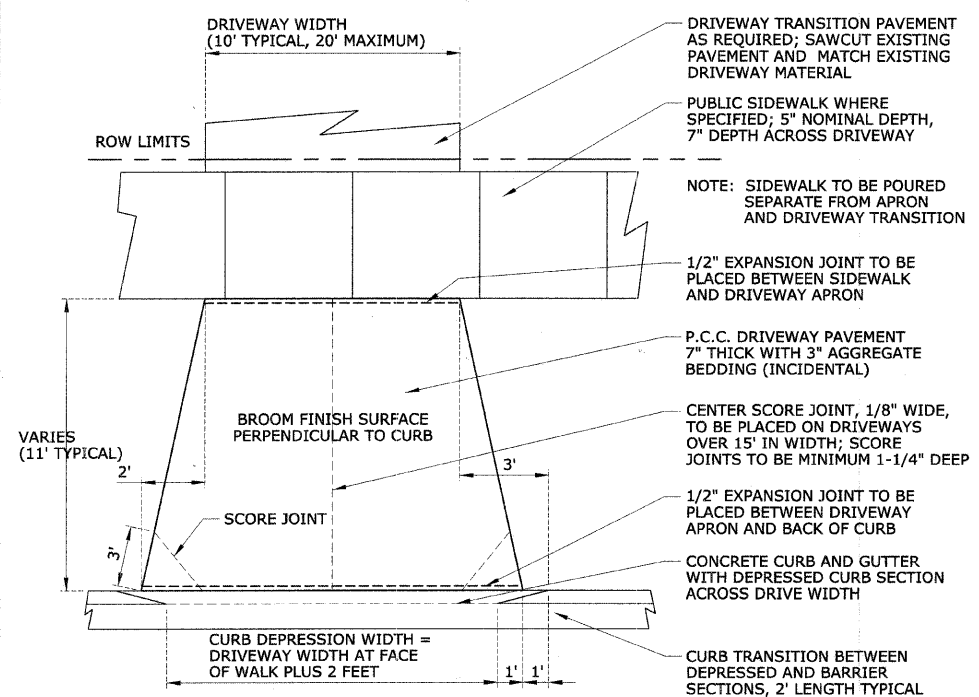
**P.C.C. SIDEWALK**



**P.C.C. DRIVEWAY**

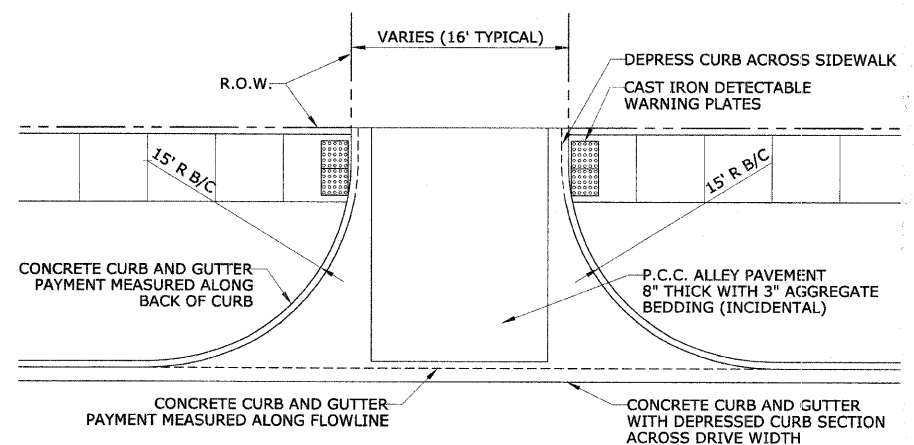


**P.C.C. DRIVEWAY TRANSITION (CLASS C PATCH, 7" MIN. THICKNESS)**

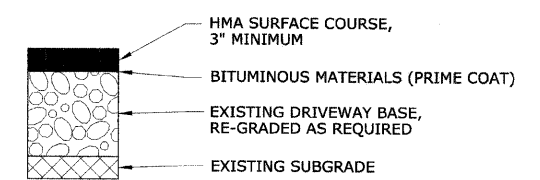


**CURB DEPRESSION DETAIL**

**RESIDENTIAL P.C.C. DRIVEWAY APRON DETAIL**



**P.C.C. BOX ALLEY APRON**



**BITUMINOUS DRIVEWAY TRANSITION (CLASS D PATCH, 3" MIN. THICKNESS)**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BLUFF AVENUE IMPROVEMENTS**  
**STAGE 1**  
**CONSTRUCTION DETAILS - SPECIAL**

SCALE: NTS  
 DATE 07/18/2008

DRAWN BY H&A  
 CHECKED BY PFH







