

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	DuPAGE	38	1

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-002232 - EXPIRES 4/30/17

VILLAGE OF VILLA PARK, ILLINOIS

TWIN LAKES STREET IMPROVEMENTS

DuPAGE COUNTY

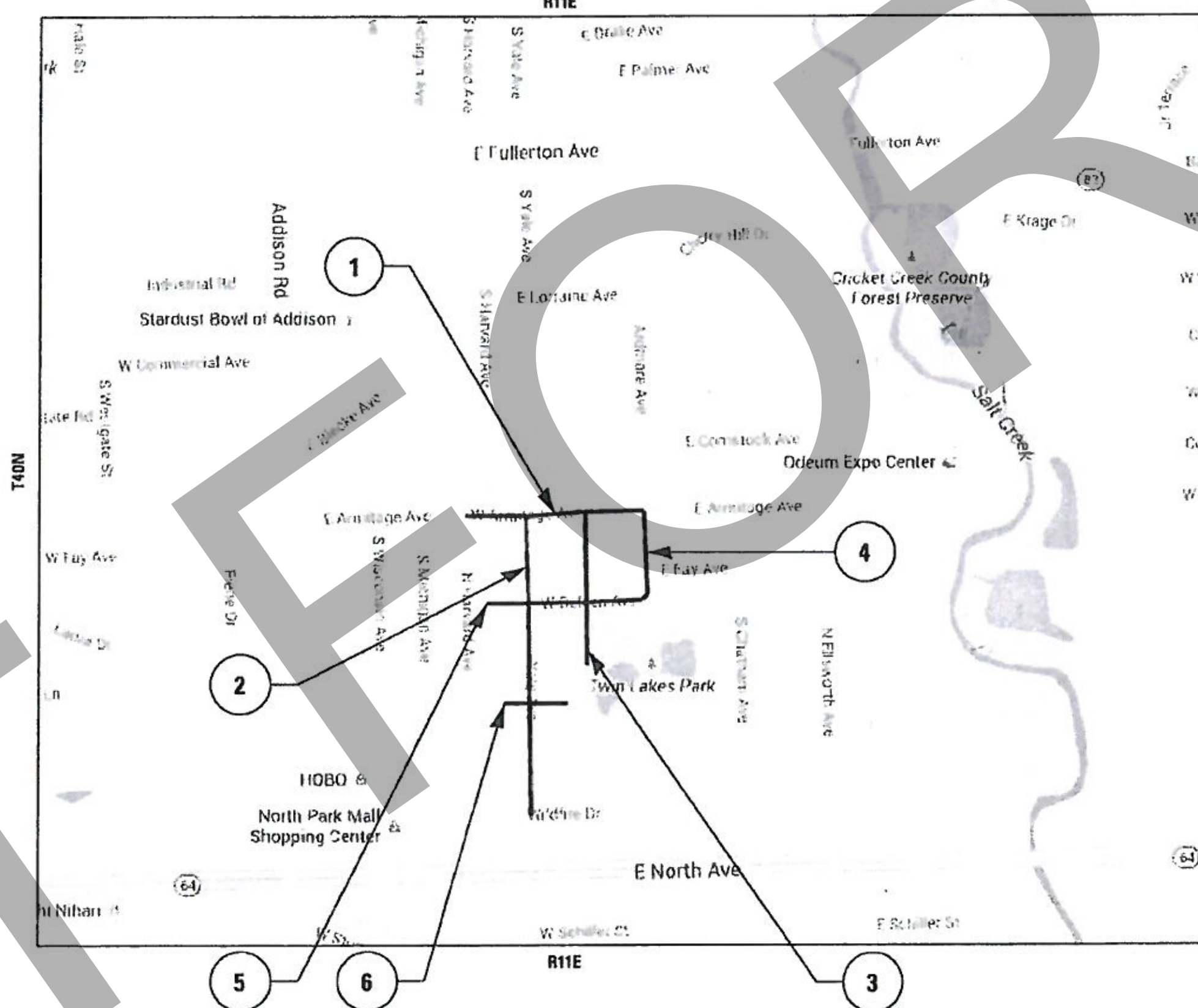
LEGEND

- ① ARMITAGE AVENUE
- ② YALE AVENUE
- ③ PRINCETON AVENUE
- ④ ARDMORE AVENUE
- ⑤ BELDEN AVENUE
- ⑥ SIDNEY AVENUE

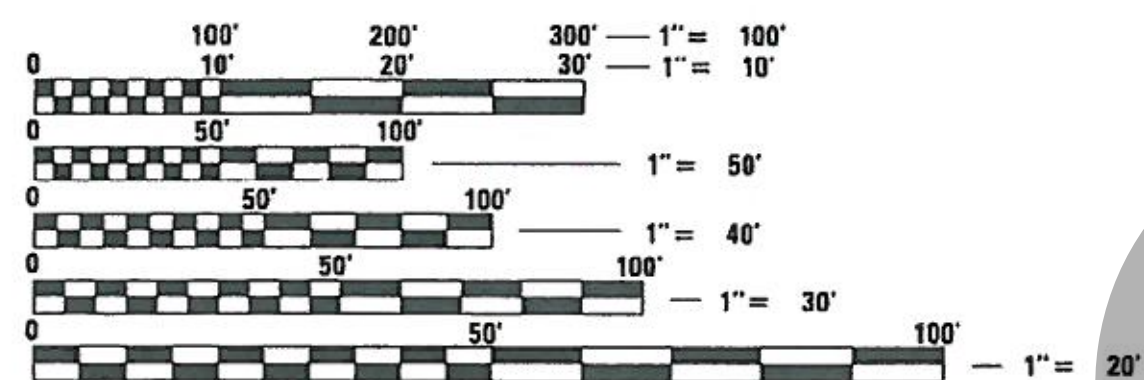
TRAFFIC DATA

ADT = < 1000 (2012)
POSTED SPEED = 25 MPH
ROADWAY CLASSIFICATION = LOCAL

LOCATION MAP
(NOT TO SCALE)



YORK TOWNSHIP
GROSS AND NET LENGTH OF IMPROVEMENT = 6,967 LF OR 1.32 MILES



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. DESIGN STAGE REQUEST
DIG. No. X1411731



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
COUNTY = DuPAGE
CITY-TOWNSHIP = VILLA PARK - YORK
SEC. & 1/4 SEC. NO. = SE 1/4 SECTION 9, T40N, R11E
48 HOURS (2 working days) BEFORE YOU DIG

BAXTER & WOODMAN
Consulting Engineers

VILLAGE OF VILLA PARK, ILLINOIS
APPROVED: *[Signature]*
DIRECTOR OF PUBLIC WORKS 6/8/15

THOMAS M. SLATTERY
62-050844
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
[Signature] 6/9/15
PROJECT MANAGER
LICENSE EXPIRES 11-30-2015

B&W PROJECT NO.: 150215 04/30/15

SUMMARY OF QUANTITIES – OPTION 1

ITEM NO.	ITEMS	UNIT	TOTAL QUANTITY BASE BID	ARDMORE AVENUE	ARDMORE AVENUE	ARMITAGE AVENUE	ARMITAGE AVENUE	ARMITAGE AVENUE	ARMITAGE AVENUE	BELDEN AVENUE	BELDEN AVENUE	BELDEN AVENUE	PRINCETON AVENUE	PRINCETON AVENUE	SIDNEY AVENUE	SIDNEY AVENUE	YALE AVENUE	YALE AVENUE	YALE AVENUE
				SOUTH END FAY AVE	FAY AVE ARMITAGE AVE	HARVARD AVE YALE AVE	YALE AVE PRINCETON AVE	PRINCETON AVE ARDMORE AVE	ADDISON -	WEST END YALE AVE	YALE AVE PRINCETON AVE	PRINCETON AVE ARDMORE AVE	SOUTH END BELDEN AVE	BELDEN AVE ARMITAGE AVE	WEST END YALE AVE	YALE AVE EAST END	WILDFIRE AVE SIDNEY AVE	SIDNEY AVE BELDEN AVE	BELDEN AVE ARMITAGE AVE
	LENGTH TO BE IMPROVED	FOOT	7,007	278	476	427	430	478	0	318	412	432	466	654	137	338	842	671	648
	WIDTH (EDGE TO EDGE) OF PAVEMENT	FOOT	VARIES	12-18	18	23	23	23	15	18	18	18	10-18	18	18-20	10	18-22	18-22	18-22
	PAVEMENT AREA TO BE IMPROVED	SQ YD	15,625	592	1,082	811	1,100	1,306	455	624	862	840	806	1,411	310	405	1,860	1,545	1,616
	1 EARTH EXCAVATION	CU YD	1,129	10	10	10	10	10	10	10	292	265	10	442	10	10	10	10	10
	2 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,198	21	36	32	32	36	-	35	195	178	49	289	17	33	94	76	75
	3 TREE ROOT PRUNNING	EACH	7	-	-	-	-	-	-	-	1	2	-	4	-	-	-	-	-
	4 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,426	-	-	-	-	-	-	-	949	924	-	1,553	-	-	-	-	-
#	5 AGGREGATE SUBGRADE IMPROVEMENT	CU YD	642	-	-	-	-	-	-	11	144	140	14	236	6	7	31	26	27
#	6 PARKWAY RESTORATION	SQ YD	4,956	186	318	285	287	319	-	212	459	342	311	477	92	226	562	448	432
#	7 GRADING AND SHAPING DITCHES	FOOT	1,700	100	100	100	100	100	100	100	100	100	100	100	100	100	200	100	100
#	8 GRADING AND SHAPING SHOULDERS	FOOT	14,014	556	952	854	860	956	-	636	824	864	932	1,308	274	676	1,684	1,342	1,296
	9 AGGREGATE SHOULDERS, TYPE B 4"	SQ YD	1,777	92	125	85	110	105	-	83	126	115	103	171	37	109	205	159	152
	10 TEMPORARY EROSION CONTROL SEEDING	POUND	108	4	7	6	6	7	-	5	10	8	7	10	2	5	12	10	9
#	11 PERIMETER EROSION BARRIER	FOOT	472	97	-	-	-	-	-	-	-	37	-	-	-	338	-	-	-
#	12 INLET FILTERS	EACH	17	3	1	-	-	2	-	-	1	-	3	5	1	-	-	-	1
#	13 TEMPORARY DITCH CHECKS	FOOT	380	20	30	-	10	10	-	-	40	50	-	40	-	-	70	50	60
#	14 AGGREGATE BASE COURSE, TYPE B	TON	398	-	-	-	-	-	-	35	-	-	45	-	18	23	103	85	89
	15 AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	3,321	55	3	-	-	-	-	12	862	840	10	1,411	-	6	109	-	13
	16 AGGREGATE SURFACE COURSE, TYPE B	TON	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	17 LEVELING BINDER (MACHINE METHOD), N50	TON	312	35	63	47	64	76	27	-	-	-	-	-	-	-	-	-	-
	18 HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50	TON	1,667	13	1	-	-	-	-	82	199	194	106	325	41	54	241	200	211
	19 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,805	69	125	94	127	151	53	72	100	97	93	163	36	47	214	178	186
#	20 PREPARATION OF BASE (SPECIAL)	SQ YD	7,166	-	-	-	-	-	-	624	-	-	806	-	310	405	1,860	1,545	1,616
#	21 BITUMINOUS MATERIALS (PRIME COAT)	POUND	38,672	1,465	2,678	2,007	2,723	3,232	1,126	1,544	2,133	2,079	1,995	3,492	767	1,002	4,604	3,824	4,000
	22 MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	6	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-
#	23 FULL-DEPTH RECLAMATION, 12"	SQ YD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
#	24 CEMENT	100 WT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	25 HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	5,288	537	1,079	811	1,100	1,306	455	-	-	-	-	-	-	-	-	-	-
#	26 HOT-MIX ASPHALT SURFACE REMOVAL (FULL DEPTH)	SQ YD	10,281	-	-	-	-	-	-	615	880	847	840	1,389	310	405	1,860	1,545	1,590
	27 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	66	-	9	8	-	20	8	-	-	-	-	-	-	-	21	-	-
#	28 HOT-MIX ASPHALT DRIVEWAY SURFACE REMOVAL AND REPLACEMENT	SQ YD	81	-	20	-	-	-	-	7	-	8	-	46	-	-	-	-	-
#	29 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT	SQ YD	65	-	-	-	-	-	-	-	-	22	-	43	-	-	-	-	-
#	30 CLASS D PATCHES, 6 INCH	SQ YD	538	60	109	82	110	131	46	-	-	-	-	-	-	-	-	-	-

* INDICATES SPECIALITY ITEM
INDICATES ITEM COVERED BY SPECIAL PROVISION

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DESIGNED - AMW	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 06/05/15	FILE - 150215SHT-S00.dgn

**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	3
		CONTRACT NO.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES – OPTION 1

ITEM NO.	ITEMS	UNIT	TOTAL QUANTITY BASE BID	ARDMORE AVENUE	ARDMORE AVENUE	ARMITAGE AVENUE	ARMITAGE AVENUE	ARMITAGE AVENUE	ARMITAGE AVENUE	BELDEN AVENUE	BELDEN AVENUE	BELDEN AVENUE	PRINCETON AVENUE	PRINCETON AVENUE	SIDNEY AVENUE	SIDNEY AVENUE	YALE AVENUE	YALE AVENUE	YALE AVENUE
				SOUTH END FAY AVE	FAY AVE ARMITAGE AVE	HARVARD AVE YALE AVE	YALE AVE PRINCETON AVE	PRINCETON AVE ARDMORE AVE	ADDISON 0	WEST END YALE AVE	YALE AVE PRINCETON AVE	PRINCETON AVE ARDMORE AVE	SOUTH END BELDEN AVE	BELDEN AVE ARMITAGE AVE	WEST END YALE AVE	YALE AVE EAST END	WILDFIRE AVE SIDNEY AVE	SIDNEY AVE BELDEN AVE	BELDEN AVE ARMITAGE AVE
	LENGTH TO BE IMPROVED	FOOT		278	476	427	430	478	0	318	412	432	466	654	137	338	842	671	648
	WIDTH (EDGE TO EDGE) OF PAVEMENT	FOOT		12-18	18	23	23	23	15	18	18	18	10-18	18	18-20	10	18-22	18-22	18-22
	PAVEMENT AREA TO BE IMPROVED	SQ YD		592	1,082	811	1,100	1,306	455	624	862	840	806	1,411	310	405	1,860	1,545	1,616
# 31	DRIVEWAY PAVEMENT REMOVAL	SQ YD	135	-	-	-	-	-	-	-	37	-	-	-	-	-	98	-	-
# 32	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	146	-	-	-	-	-	-	-	37	-	-	-	-	-	109	-	-
# 33	DUST CONTROL WATERING	UNIT	195	8	13	10	14	16	6	8	11	11	10	17	4	5	23	19	20
# 34	SOIL DISPOSAL ANALYSIS	EACH	1	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
# 35	NON-SPECIAL WASTE DISPOSAL	CU YD	30	5	-	5	-	-	-	-	5	-	-	5	5	-	5	-	-
# 36	PIPE CULVERT REMOVAL	FOOT	353	-	-	-	-	-	-	34	66	33	-	26	-	-	91	44	59
# 37	TRENCH BACKFILL	CU YD	66	-	-	-	-	-	-	4	11	3	-	3	12	-	15	11	7
# 38	PIPE CULVERTS, 10"	FOOT	89	-	-	-	-	-	-	-	20	-	-	-	-	-	69	-	-
# 39	PIPE CULVERTS, 12"	FOOT	284	-	-	-	-	-	-	40	77	49	-	19	-	-	49	-	50
# 40	PIPE CULVERTS, 18"	FOOT	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-
# 41	PIPE CULVERTS, CLASS A, TYPE 1 21"	FOOT	180	-	-	-	-	-	-	-	-	-	-	-	180	-	-	-	-
# 42	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
# 43	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
# 44	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
# 45	METAL END SECTIONS 10"	EACH	8	-	-	-	-	-	-	-	2	-	-	-	-	-	6	-	-
# 46	METAL END SECTIONS 12"	EACH	13	-	-	-	-	-	-	1	2	2	-	2	-	-	4	-	2
# 47	METAL END SECTIONS 18"	EACH	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
# 48	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
# 49	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
# 50	REMOVING CATCH BASINS	EACH	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
# 51	SANITARY MANHOLES TO BE ADJUSTED	EACH	4	1.00	-	-	-	-	-	1.00	-	-	-	1.00	-	1.00	-	-	-
# 52	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	2	-	-	-	-	-	-	1.00	1.00	-	-	-	-	-	-	-	-
# 53	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4	-	1	-	-	2	-	-	-	-	-	-	1	-	-	-	-
# 54	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-
# 55	TRAFFIC CONTROL AND PROTECTION	L SUM	1	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
# 56	TEMPORARY INFORMATION SIGNING	SQ FT	100	-	-	25	-	50	-	-	-	-	-	-	-	-	25	-	-
# 57	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	86	-	9	16	-	11	-	9	9	-	-	-	-	-	-	11	21
# 58	CONSTRUCTION LAYOUT	L SUM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# 59	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	86	-	-	-	-	-	-	4	1	5	7	15	3	3	18	14	16
# 60	TEMPORARY ACCESS (ROAD)	EACH	4	-	-	-	-	-	-	-	1	2	-	1	-	-	-	-	-
# 61	PRECONSTRUCTION VIDEO RECORDING	L SUM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# 62	CONTINGENCY ALLOWANCE	DOLLAR	40,000	1,516	2,770	2,076	2,816	3,343	1,165	1,597	2,207	2,150	2,063	3,612	794	1,037	4,762	3,955	4,137

* INDICATES SPECIALITY ITEM
INDICATES ITEM COVERED BY SPECIAL PROVISION

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DESIGNED - AMW	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 06/05/15	FILE - 150215SHT-500.dgn

**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

SUMMARY OF QUANTITIES

SCALE: NONE STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	4
		CONTRACT NO.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES – OPTION 2

ITEM NO.	ITEMS	UNIT	TOTAL QUANTITY OPTION 2	ARDMORE AVENUE	ARDMORE AVENUE	ARMITAGE AVENUE	ARMITAGE AVENUE	ARMITAGE AVENUE	ARMITAGE AVENUE	BELDEN AVENUE	BELDEN AVENUE	BELDEN AVENUE	PRINCETON AVENUE	PRINCETON AVENUE	SIDNEY AVENUE	SIDNEY AVENUE	YALE AVENUE	YALE AVENUE	YALE AVENUE
				SOUTH END FAY AVE	FAY AVE ARMITAGE AVE	HARVARD AVE YALE AVE	YALE AVE PRINCETON AVE	PRINCETON AVE ARDMORE AVE	ADDISON 0	WEST END YALE AVE	YALE AVE PRINCETON AVE	PRINCETON AVE ARDMORE AVE	SOUTH END BELDEN AVE	BELDEN AVE ARMITAGE AVE	WEST END YALE AVE	YALE AVE EAST END	WILDFIRE AVE SIDNEY AVE	SIDNEY AVE BELDEN AVE	BELDEN AVE ARMITAGE AVE
	LENGTH TO BE IMPROVED	FOOT		278	476	427	430	478	0	318	412	432	466	654	137	338	842	671	648
	WIDTH (EDGE TO EDGE) OF PAVEMENT	FOOT		12-18	18	23	23	23	15	18	18	18	10-18	18	18-20	10	18-22	18-22	18-22
	PAVEMENT AREA TO BE IMPROVED	SQ YD		592	1,082	811	1,100	1,306	455	624	862	840	806	1,411	310	405	1,860	1,545	1,616
# 31	DRIVEWAY PAVEMENT REMOVAL	SQ YD	135	-	-	-	-	-	-	-	37	-	-	-	-	-	98	-	-
# 32	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	146	-	-	-	-	-	-	-	37	-	-	-	-	-	109	-	-
# 33	DUST CONTROL WATERING	UNIT	195	8	13	10	14	16	6	8	11	11	10	17	4	5	23	19	20
# 34	SOIL DISPOSAL ANALYSIS	EACH	1	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
# 35	NON-SPECIAL WASTE DISPOSAL	CU YD	30	5	-	5	-	-	-	-	5	-	-	5	-	-	5	-	-
# 36	PIPE CULVERT REMOVAL	FOOT	353	-	-	-	-	-	-	34	66	33	-	26	-	-	91	44	59
# 37	TRENCH BACKFILL	CU YD	66	-	-	-	-	-	-	4	11	3	-	3	12	-	15	11	7
# 38	PIPE CULVERTS, 10"	FOOT	89	-	-	-	-	-	-	-	20	-	-	-	-	-	69	-	-
# 39	PIPE CULVERTS, 12"	FOOT	284	-	-	-	-	-	-	40	77	49	-	19	-	-	49	-	50
# 40	PIPE CULVERTS, 18"	FOOT	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-
# 41	PIPE CULVERTS, CLASS A, TYPE 1 21"	FOOT	180	-	-	-	-	-	-	-	-	-	-	-	180	-	-	-	-
# 42	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
# 43	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
# 44	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
# 45	METAL END SECTIONS 10"	EACH	8	-	-	-	-	-	-	-	2	-	-	-	-	-	6	-	-
# 46	METAL END SECTIONS 12"	EACH	13	-	-	-	-	-	-	1	2	2	-	2	-	-	4	-	2
# 47	METAL END SECTIONS 18"	EACH	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
# 48	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
# 49	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
# 50	REMOVING CATCH BASINS	EACH	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
# 51	SANITARY MANHOLES TO BE ADJUSTED	EACH	4	1.00	-	-	-	-	-	1.00	-	-	-	1.00	-	1.00	-	-	-
# 52	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	2	-	-	-	-	-	-	1.00	1.00	-	-	-	-	-	-	-	-
# 53	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4	-	1	-	-	2	-	-	-	-	-	-	1	-	-	-	-
# 54	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-
# 55	TRAFFIC CONTROL AND PROTECTION	L SUM	1	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
# 56	TEMPORARY INFORMATION SIGNING	SQ FT	100	-	-	25	-	50	-	-	-	-	-	-	-	-	25	-	-
# 57	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	86	-	9	16	-	11	-	9	9	-	-	-	-	-	-	11	21
# 58	CONSTRUCTION LAYOUT	L SUM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# 59	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	86	-	-	-	-	-	-	4	1	5	7	15	3	3	18	14	16
# 60	TEMPORARY ACCESS (ROAD)	EACH	4	-	-	-	-	-	-	-	1	2	-	1	-	-	-	-	-
# 61	PRECONSTRUCTION VIDEO RECORDING	L SUM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# 62	CONTINGENCY ALLOWANCE	DOLLAR	40,000	1,516	2,770	2,076	2,816	3,343	1,165	1,597	2,207	2,150	2,063	3,612	794	1,037	4,762	3,955	4,137

* INDICATES SPECIALITY ITEM
INDICATES ITEM COVERED BY SPECIAL PROVISION

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 LICENSE NO. 184-00121 - EXPIRES 4/30/2017
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CHECKED - TMS	REVISED -
DATE - 06/05/15	FILE - 150215SHT-S00.dgn

**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

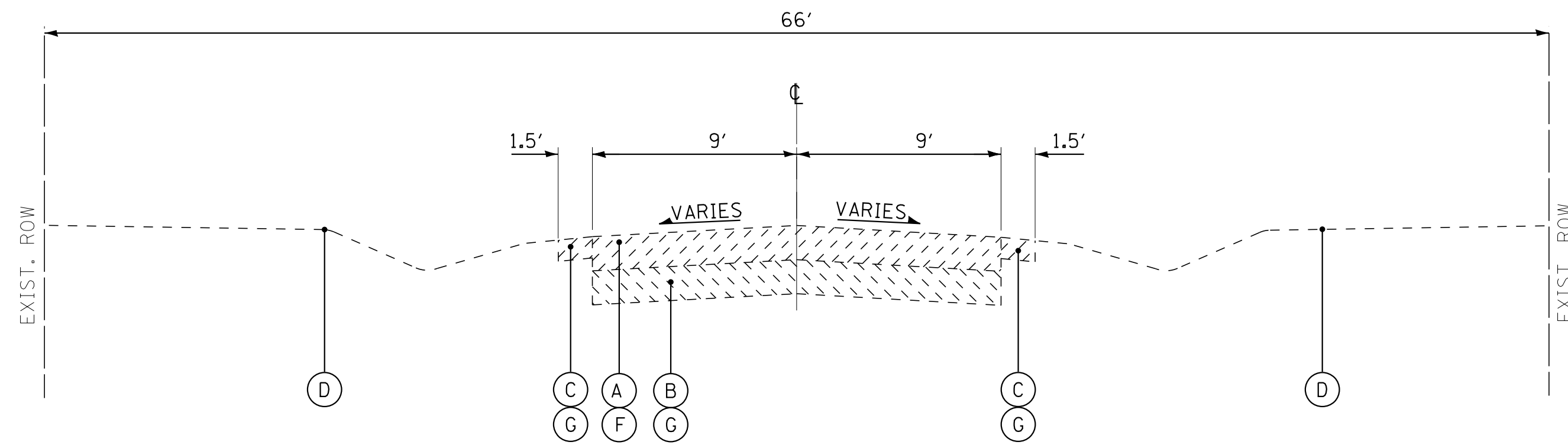
SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

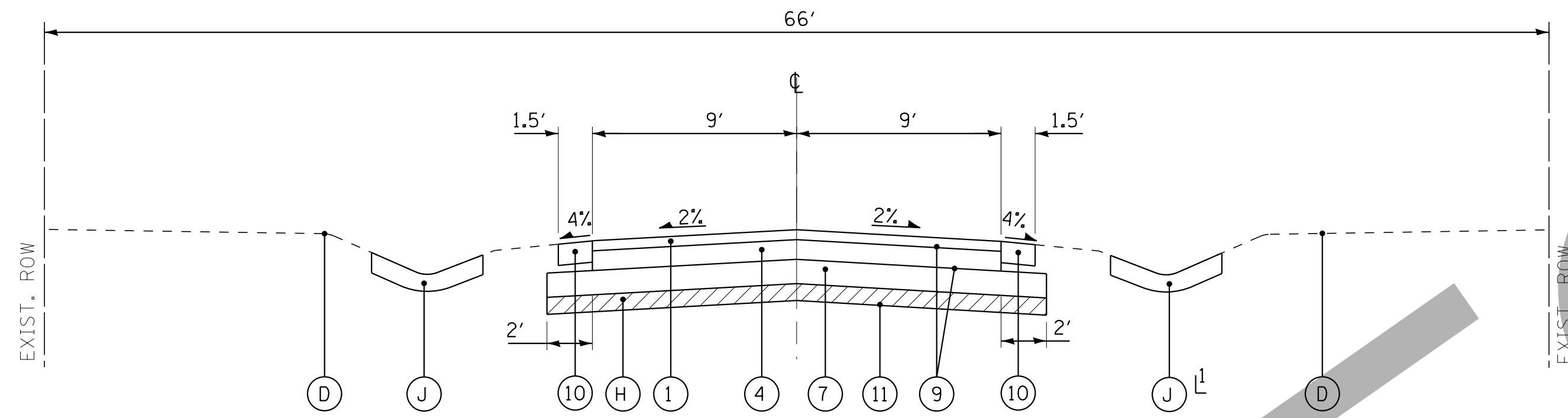
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	6
CONTRACT NO.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

OPTION 1



EXISTING TYPICAL SECTION

BELDEN AVENUE
STA 254+66 TO STA 263+10
PRINCETON AVENUE
STA 119+49 TO STA 126+03

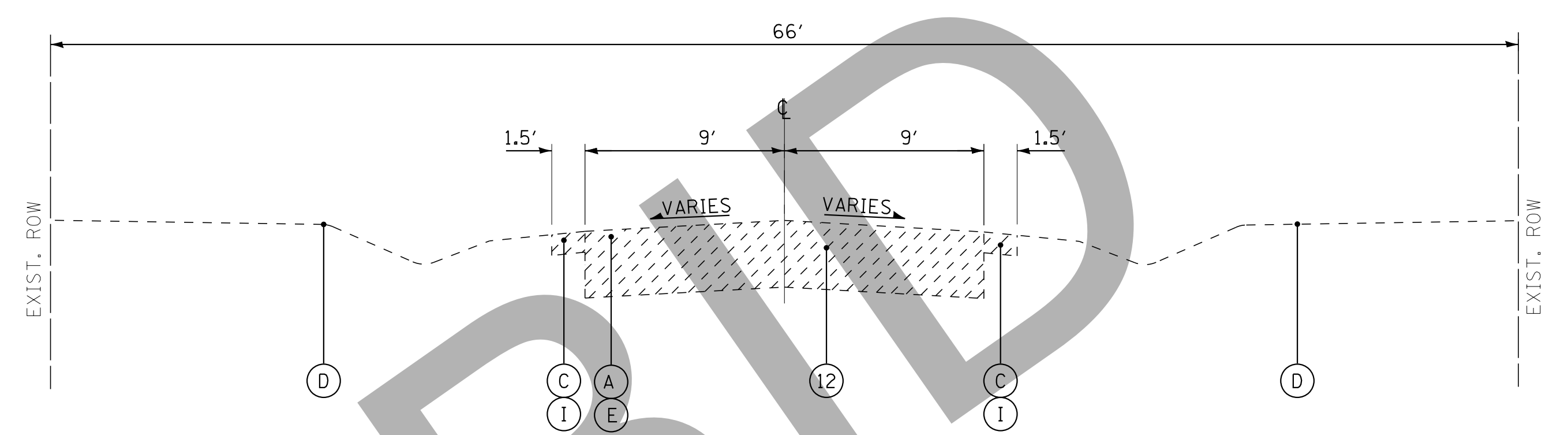


PROPOSED TYPICAL SECTION

BELDEN AVENUE
STA 254+66 TO STA 263+10
PRINCETON AVENUE
STA 119+49 TO STA 126+03

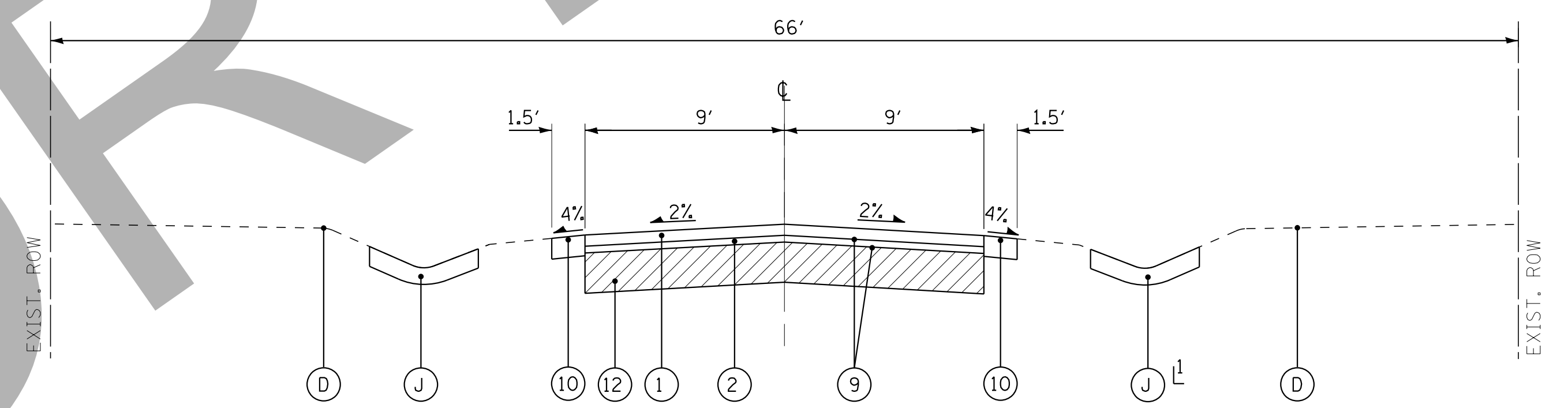
AS REQUIRED

OPTION 2



EXISTING TYPICAL SECTION

BELDEN AVENUE
STA 254+66 TO STA 263+10
PRINCETON AVENUE
STA 119+49 TO STA 126+03



PROPOSED TYPICAL SECTION

BELDEN AVENUE
STA 254+66 TO STA 263+10
PRINCETON AVENUE
STA 119+49 TO STA 126+03

AS REQUIRED

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT
(SEE CORE REPORT FOR THICKNESSES)
- (B) AGGREGATE BASE COURSE
- (C) AGGREGATE SHOULDER
- (D) GROUND SURFACE
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (F) HOT-MIX ASPHALT SURFACE REMOVAL, FULL DEPTH
- (G) EARTH EXCAVATION
- (H) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND AGGREGATE SUBGRADE IMPROVEMENT **
- (I) GRADING AND SHAPING SHOULDERS
- (J) GRADING AND SHAPING DITCHES (AS DETERMINED BY THE ENGINEER)

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- (2) LEVELING BINDER (MACHINE METHOD), N50 - 1"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 2 1/4"
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 4"
- (5) PREPARATION OF BASE (SPECIAL)
- (6) AGGREGATE BASE COURSE, TYPE B (AS DETERMINED BY THE ENGINEER)
- (7) AGGREGATE BASE COURSE, TYPE B, 6"
- (8) CLASS D PATCHES, 6 INCH
- (9) BITUMINOUS MATERIALS (PRIME COAT)
- (10) AGGREGATE SHOULDERS, TYPE B 4"
- (11) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (12) FULL-DEPTH RECLAMATION, 12"

NOTES:
** AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
ROADWAY	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 Gyr.
LEVELING BINDER (MACHINE METHOD), N50	4% @ 50 Gyr.
PATCHING	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4% @ 70 Gyr.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 4"	4% @ 50 Gyr.
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS	

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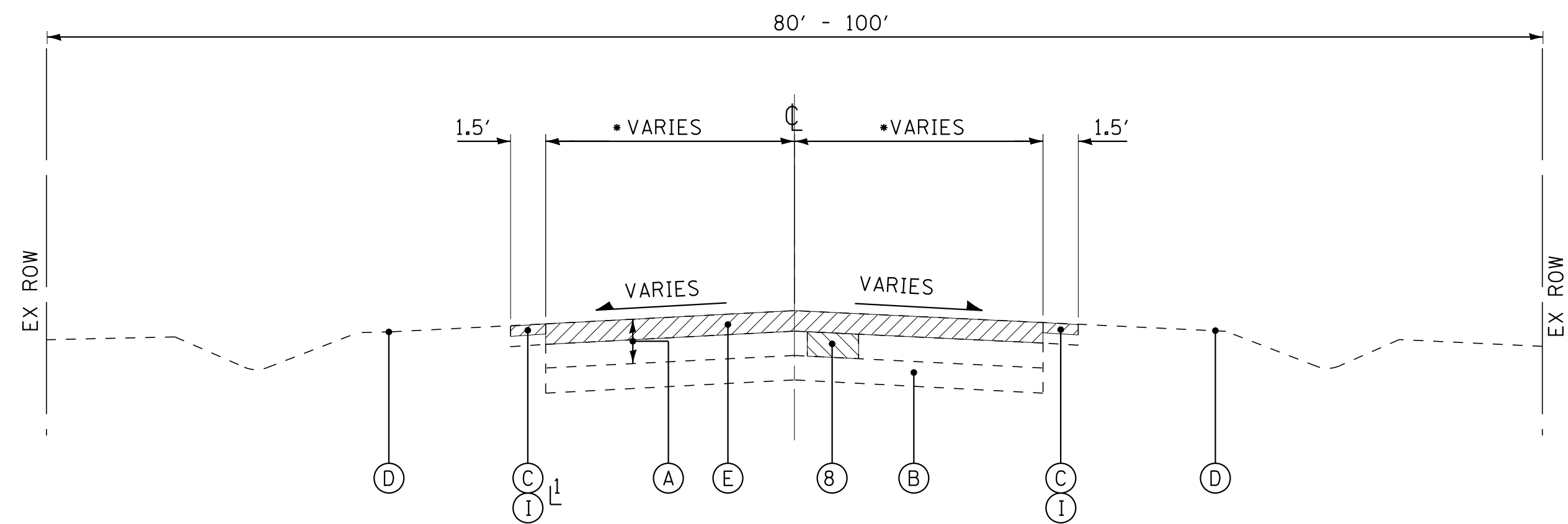
**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

TYPICAL SECTIONS AND HMA MIXTURE REQUIREMENTS

SCALE: NONE

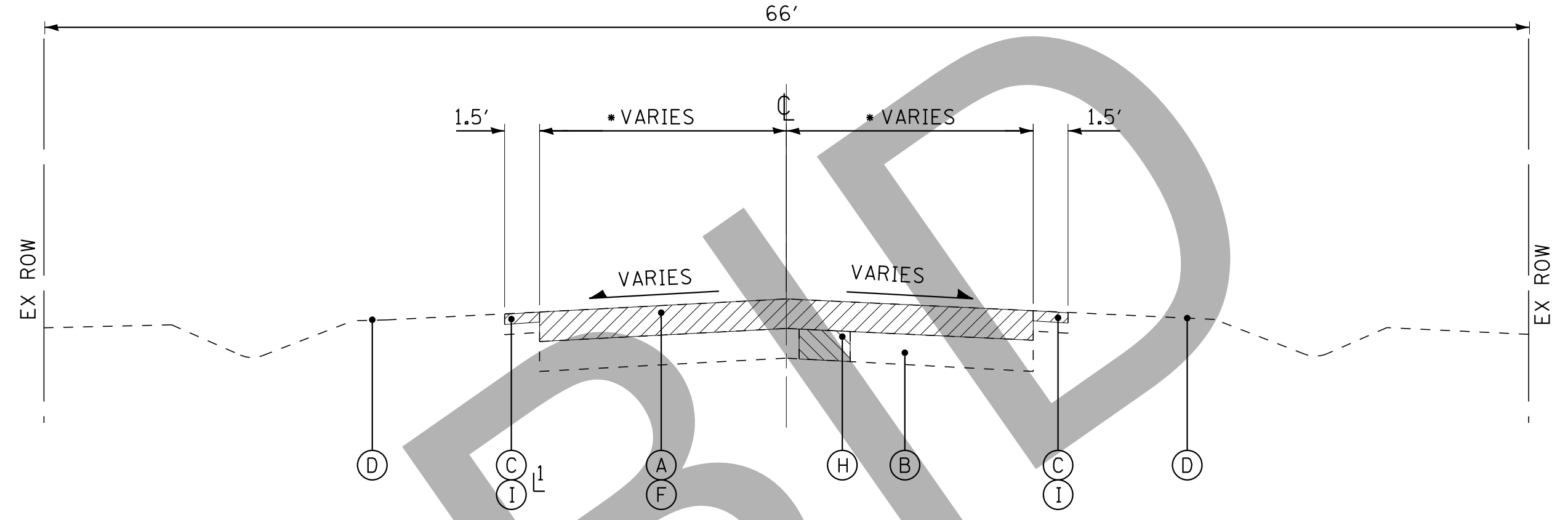
STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DUPAGE	38
			CONTRACT NO.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION

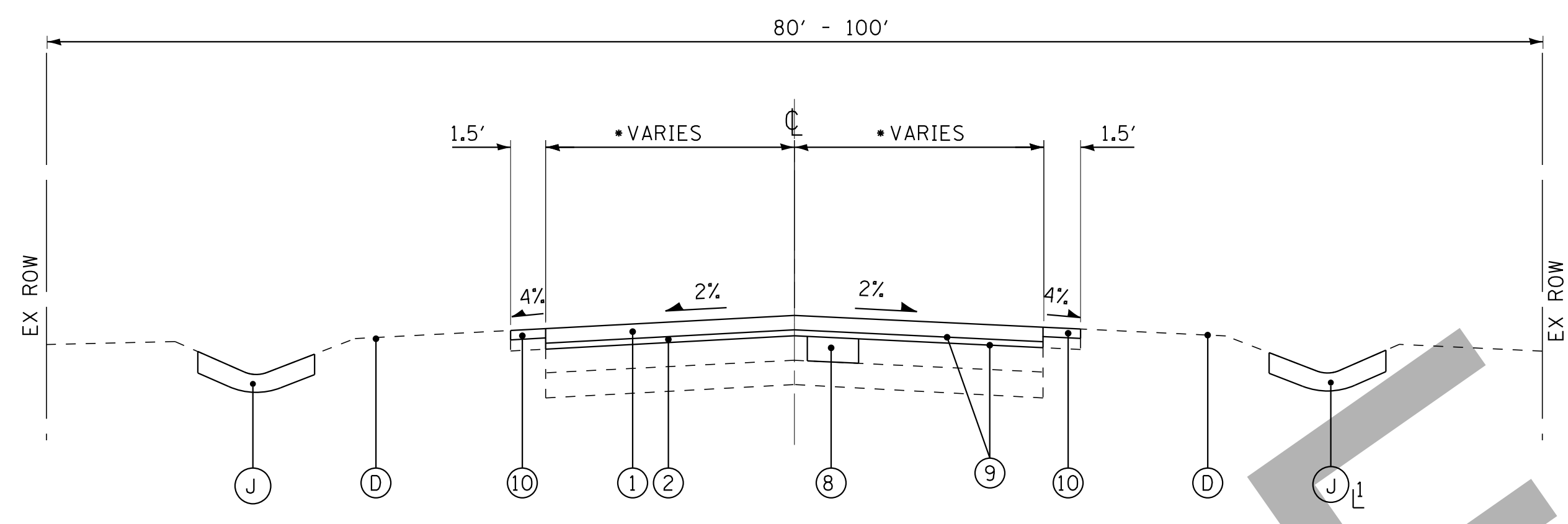
ARDMORE AVENUE
ARMITAGE AVENUE



EXISTING TYPICAL SECTION

BELDEN AVENUE
STA 251+48 TO STA 254+66
PRINCETON AVENUE
STA 114+64 TO STA 119+30
SIDNEY AVENUE
STA 400+00 TO STA 401+88
YALE AVENUE

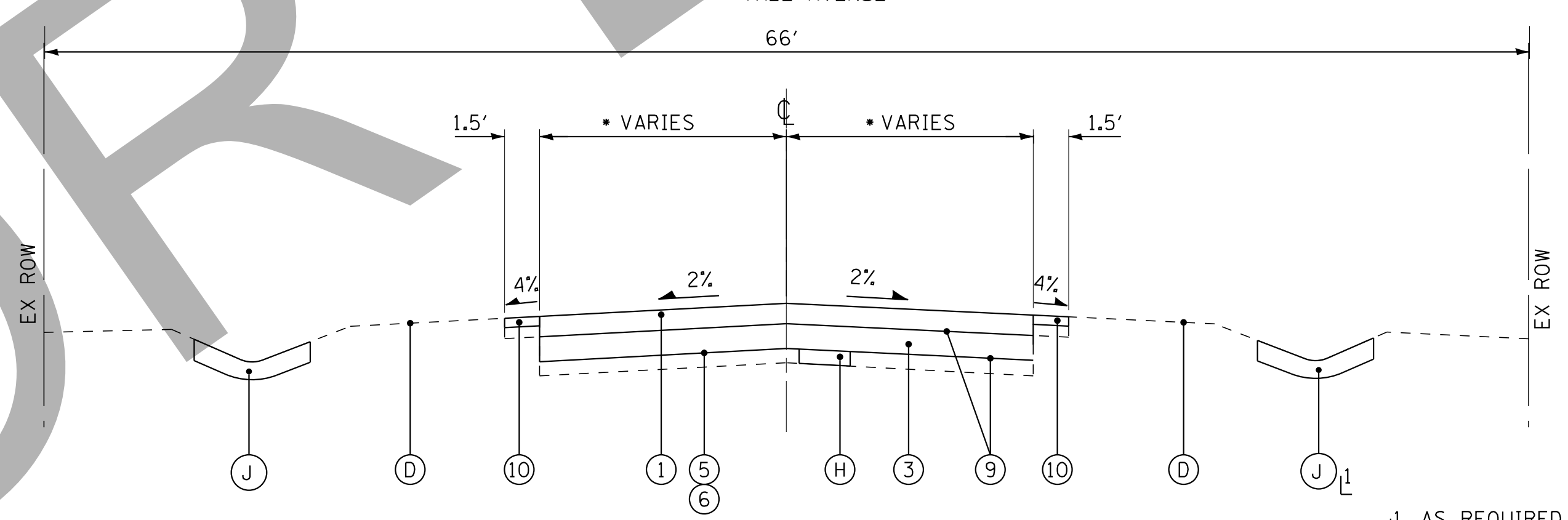
• SEE PLANS FOR PAVEMENT WIDTH



PROPOSED TYPICAL SECTION

ARDMORE AVENUE
ARMITAGE AVENUE

↓ AS REQUIRED
• SEE PLANS FOR PAVEMENT WIDTH



PROPOSED TYPICAL SECTION

BELDEN AVENUE
STA 251+48 TO STA 254+66
PRINCETON AVENUE
STA 114+64 TO STA 119+30
SIDNEY AVENUE
STA 400+00 TO STA 401+88
YALE AVENUE

↓ AS REQUIRED
• SEE PLANS FOR PAVEMENT WIDTH

EXISTING PAVEMENT DATA

STREET NAME	CORE NUMBER	HMA THICKNESS	AGGREGATE THICKNESS
ARDMORE AVENUE	C-1	5.00"	8.50"
	C-2	4.00"	10.25"
	C-3	6.50"	4.50"
	C-4	7.75"	3.75"
	C-5	5.25"	4.75"
BELDEN AVENUE	C-9	2.00"	5.00"
	C-10	2.25"	9.50"
	C-11	3.50"	4.00"
	C-12	3.75"	10.50"
	C-13	3.75"	4.75"
	C-14	2.75"	10.75"
	C-15	2.50"	57.50"
	C-16	1.75"	21.25"
SIDNEY AVENUE	C-17	4.00"	9.50"
	C-18	3.00"	6.00"
	C-19	3.75"	5.75"
	C-20	2.25"	9.75"
	C-21	2.00"	12.75"
	C-22	2.25"	8.75"
	C-23	3.75"	6.75"
	C-24	2.00"	10.00"
PRINCETON AVENUE	C-25	4.00"	2.50"
	C-26	3.25"	3.00"
	C-27	3.25"	32.75"
	C-28	5.75"	4.25"
ARDMORE AVENUE	C-30	5.25"	4.75"
	C-31	7.50"	7.75"
	C-32	6.00"	5.25"

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT
(SEE CORE REPORT FOR THICKNESSES)
- (B) AGGREGATE BASE COURSE
- (C) AGGREGATE SHOULDER
- (D) GROUND SURFACE
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (F) HOT-MIX ASPHALT SURFACE REMOVAL, FULL DEPTH
- (G) EARTH EXCAVATION
- (H) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND AGGREGATE SUBGRADE IMPROVEMENT **
- (I) GRADING AND SHAPING SHOULDERS
- (J) GRADING AND SHAPING DITCHES (AS DETERMINED BY THE ENGINEER)

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- (2) LEVELING BINDER (MACHINE METHOD), N50 - 1"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 2 1/4"
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 4"
- (5) PREPARATION OF BASE (SPECIAL)
- (6) AGGREGATE BASE COURSE, TYPE B (AS DETERMINED BY THE ENGINEER)
- (7) AGGREGATE BASE COURSE, TYPE B, 6"
- (8) CLASS D PATCHES, 6 INCH
- (9) BITUMINOUS MATERIALS (PRIME COAT)
- (10) AGGREGATE SHOULDERS, TYPE B 4"
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- (12) FULL-DEPTH RECLAMATION, 12"

** AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

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**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

TYPICAL SECTIONS AND HMA MIXTURE REQUIREMENTS

SCALE: NONE STA. TO STA.

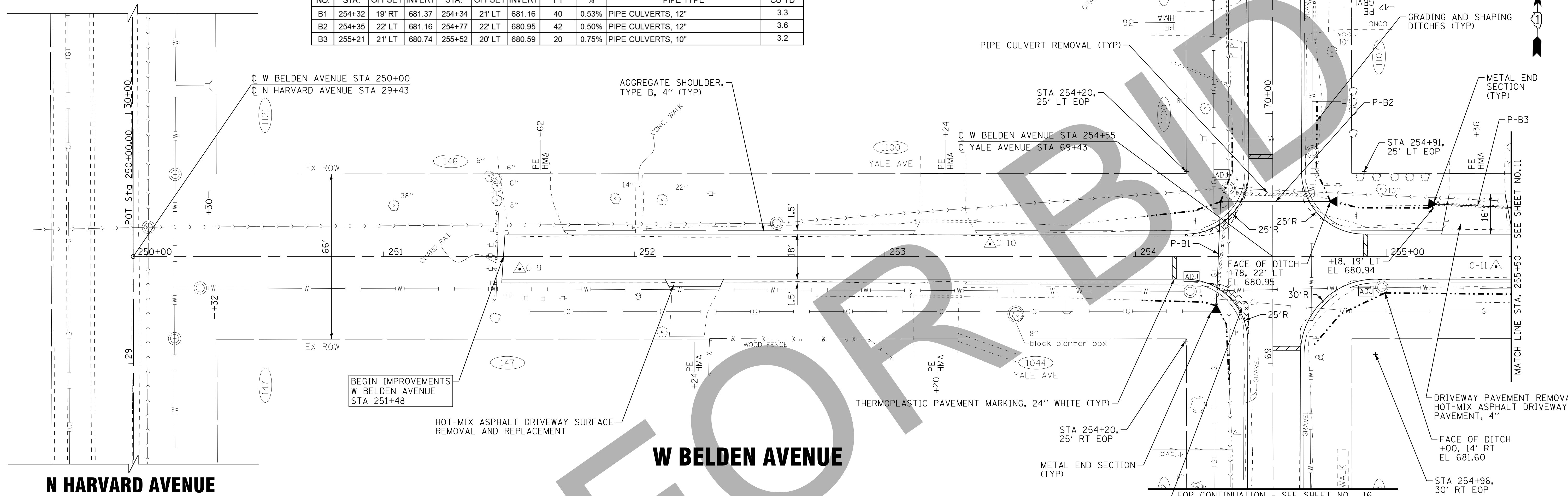
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	8
CONTRACT NO.		ILLINOIS FED. AID PROJECT		

DRAINAGE PIPE SCHEDULE

PIPE NO.	UPSTREAM			DOWNSTREAM			LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
	STA.	OFFSET	INVERT	STA.	OFFSET	INVERT				
B1	254+32	19' RT	681.37	254+34	21' LT	681.16	40	0.53%	PIPE CULVERTS, 12"	3.3
B2	254+35	22' LT	681.16	254+77	22' LT	680.95	42	0.50%	PIPE CULVERTS, 12"	3.6
B3	255+21	21' LT	680.74	255+52	20' LT	680.59	20	0.75%	PIPE CULVERTS, 10"	3.2

N HARVARD AVENUE

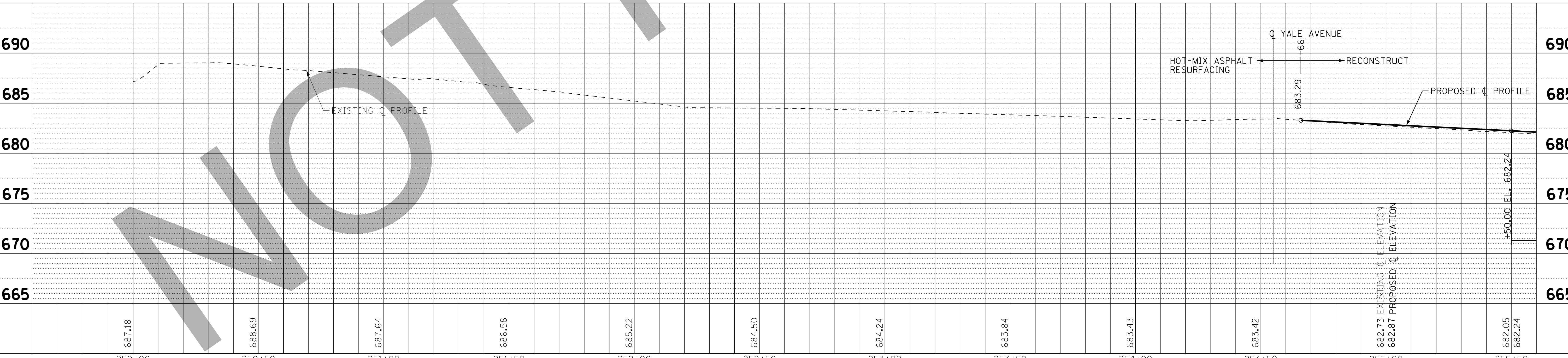
YALE AVENUE



BEGIN IMPROVEMENTS W BELDEN AVENUE STA 251+48

W BELDEN AVENUE

YALE AVENUE



STA.	ELEVATION	PIPE NO.	INVERT ELEVATION
250+00	687.18		
250+50	688.69		
251+00	687.64		
251+50	686.58		
252+00	685.22		
252+50	684.50		
253+00	684.24		
253+50	683.84		
254+00	683.43		
254+50	683.42		
255+00	682.73 EXISTING 682.87 PROPOSED		
255+50	682.05 682.24		

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Consulting Engineers

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**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

**ROADWAY PLAN AND PROFILE
W BELDEN AVENUE**

SCALE: H: 1"=20' V: 1"=5'
STA. 250+00 TO STA. 255+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DuPAGE	38	10
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

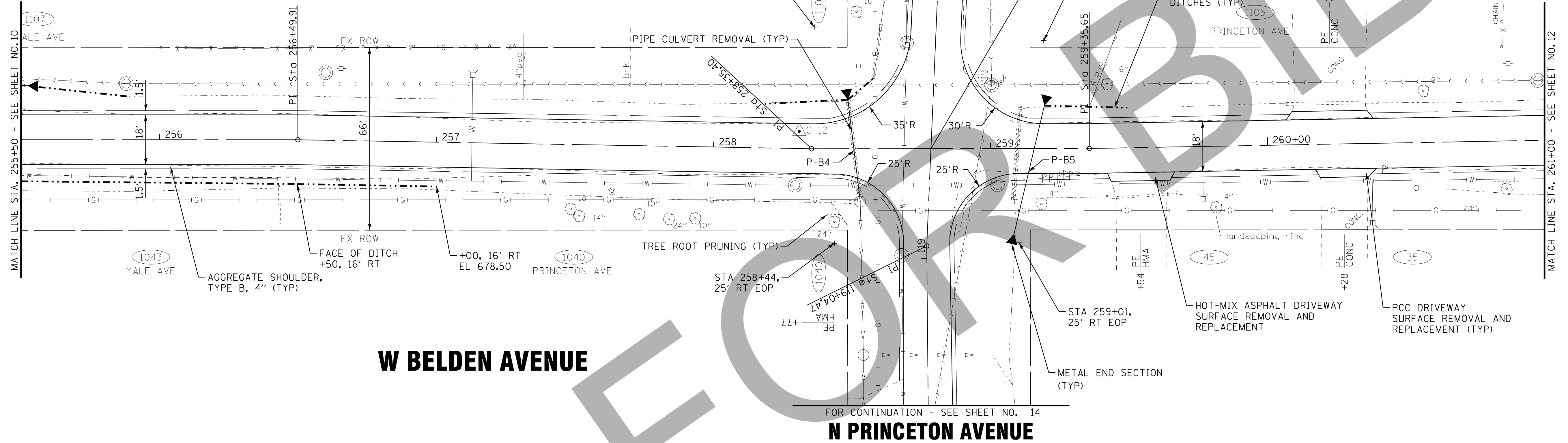
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 IN CHICAGO, ILLINOIS 60601
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N PRINCETON AVENUE

FOR CONTINUATION - SEE SHEET NO. 14

DRAINAGE PIPE SCHEDULE

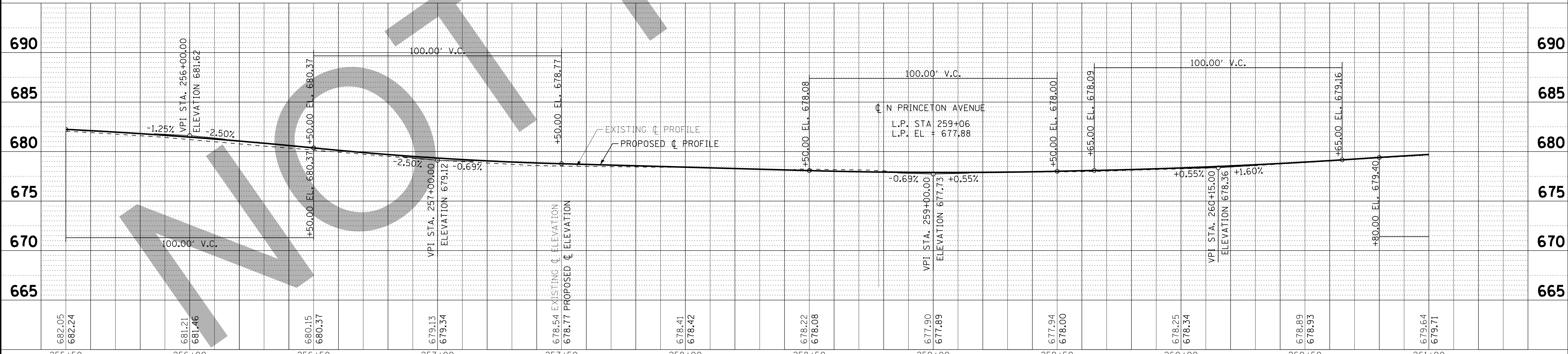
PIPE NO.	UPSTREAM			DOWNSTREAM			LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
	STA.	OFFSET	INVERT	STA.	OFFSET	INVERT				
B4	259+49	18' LT	675.69	258+53	19' RT	675.52	35	0.49%	PIPE CULVERTS, 12"	4.5
B5	259+19	15' LT	675.76	259+08	31' RT	675.52	49	0.49%	PIPE CULVERTS, 12"	3.0



W BELDEN AVENUE

N PRINCETON AVENUE

FOR CONTINUATION - SEE SHEET NO. 14



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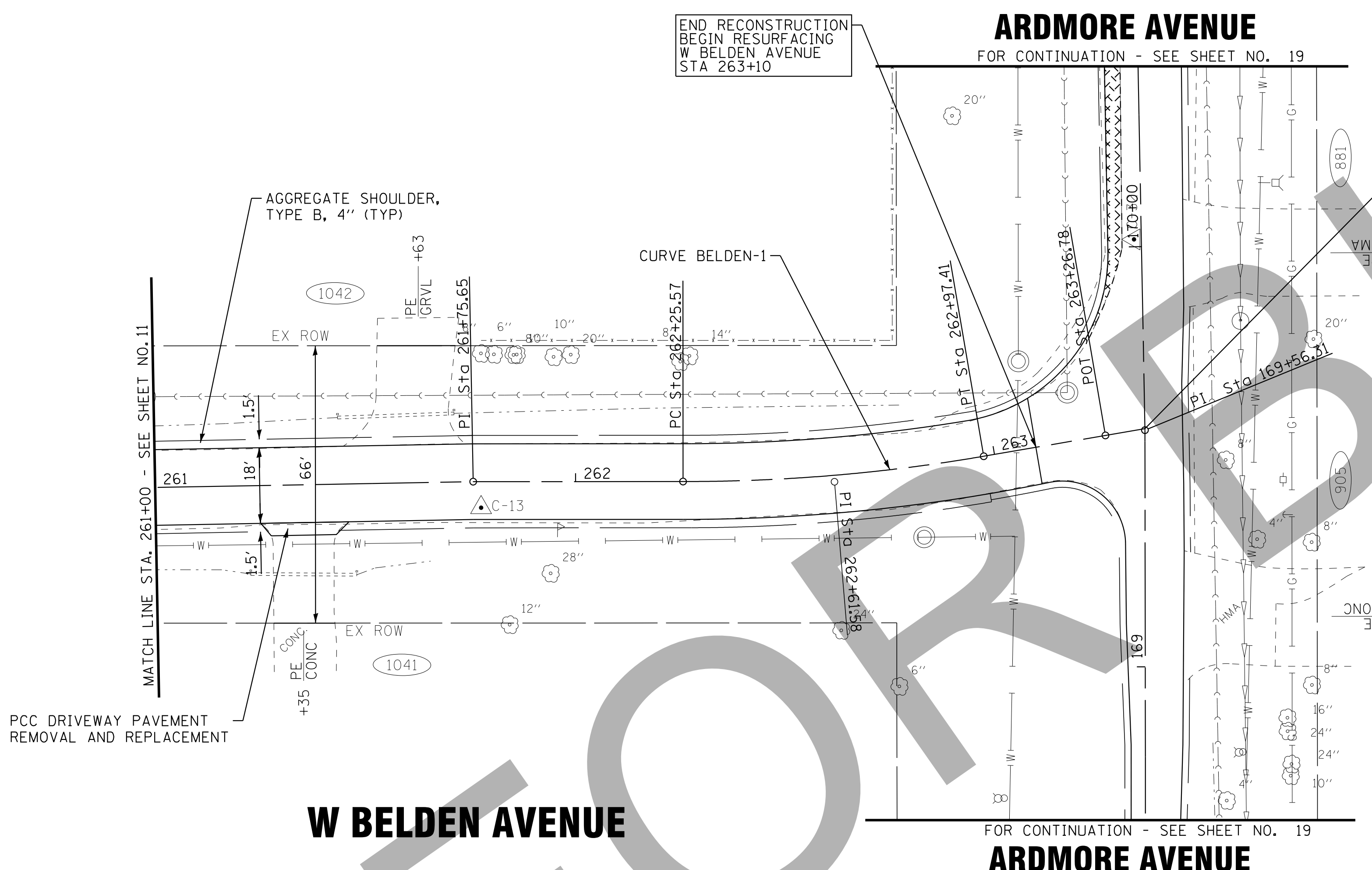
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VILLAGE OF VILLA PARK, ILLINOIS TWIN LAKES STREET IMPROVEMENTS

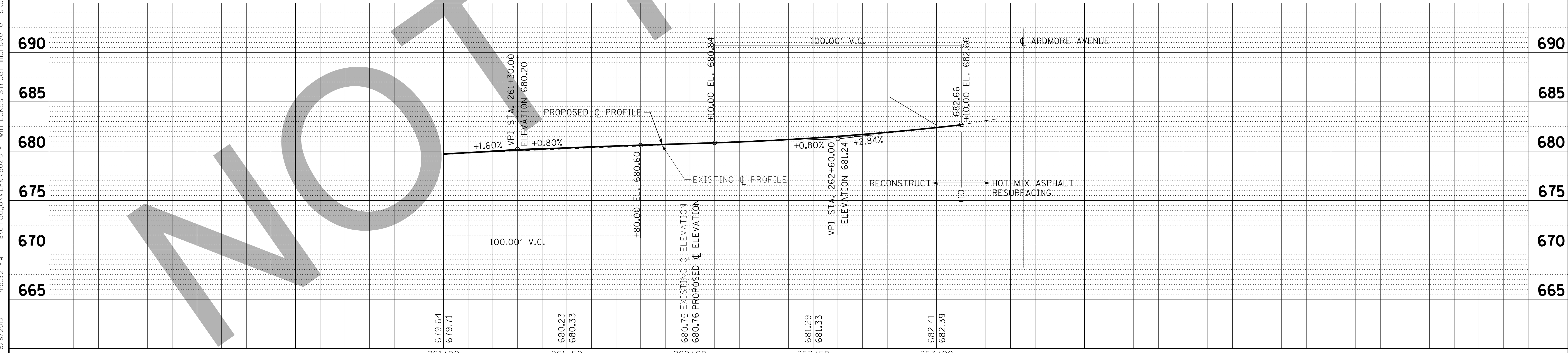
ROADWAY PLAN AND PROFILE W BELDEN AVENUE

SCALE: H: 1"=20' V: 1"=5'
STA. 255+50 TO STA. 261+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	11
CONTRACT NO.		ILLINOIS FED. AID PROJECT		



PROP. CURVE BELDEN-1
 PI STA. = 262+61.58
 $\Delta = 9^\circ 48' 04''$ (LT)
 $D = 13^\circ 38' 31''$
 $R = 420.00'$
 $T = 36.01'$
 $L = 71.85'$
 $E = 1.54'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. \text{ RUN} = \text{---}$
 $P.C. \text{ STA} = 262+25.57$
 $P.T. \text{ STA} = 262+97.41$



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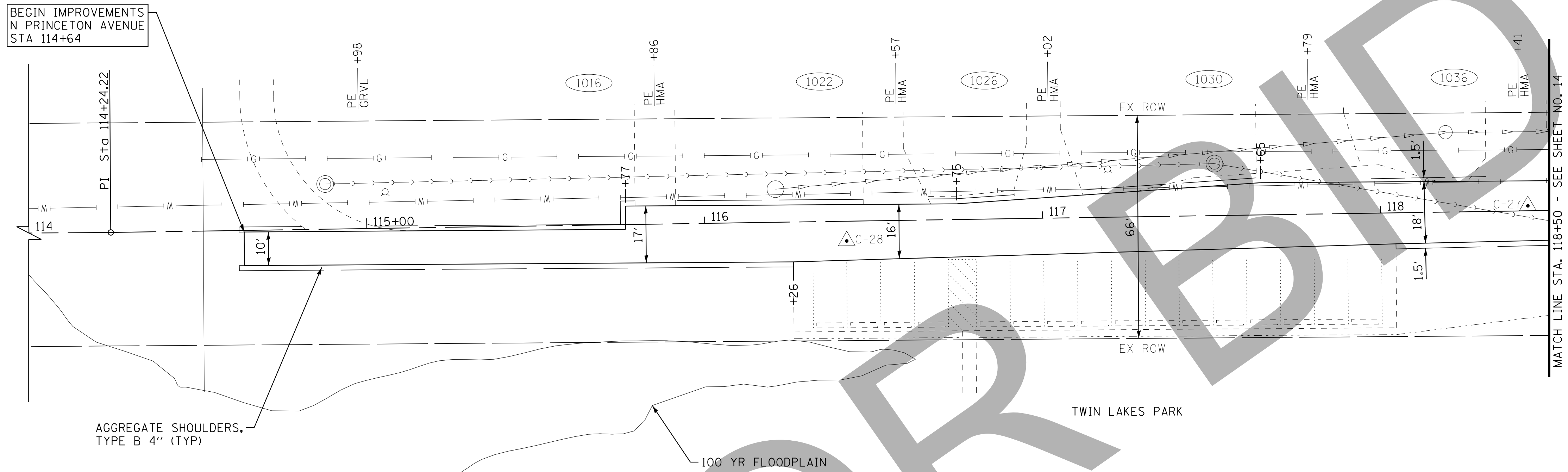
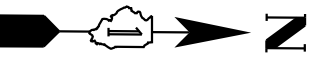
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VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS

ROADWAY PLAN AND PROFILE
W BELDEN AVENUE

SCALE: H: 1"=20' V: 1"=5'
 STA. 261+00 TO STA. 263+36

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	12
CONTRACT NO.				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



NOT FOR

N PRINCETON AVENUE

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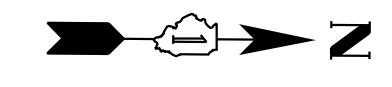
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**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

**ROADWAY PLAN
N PRINCETON AVENUE**

SCALE: 1" = 20' STA. 114+00 TO STA. 118+50

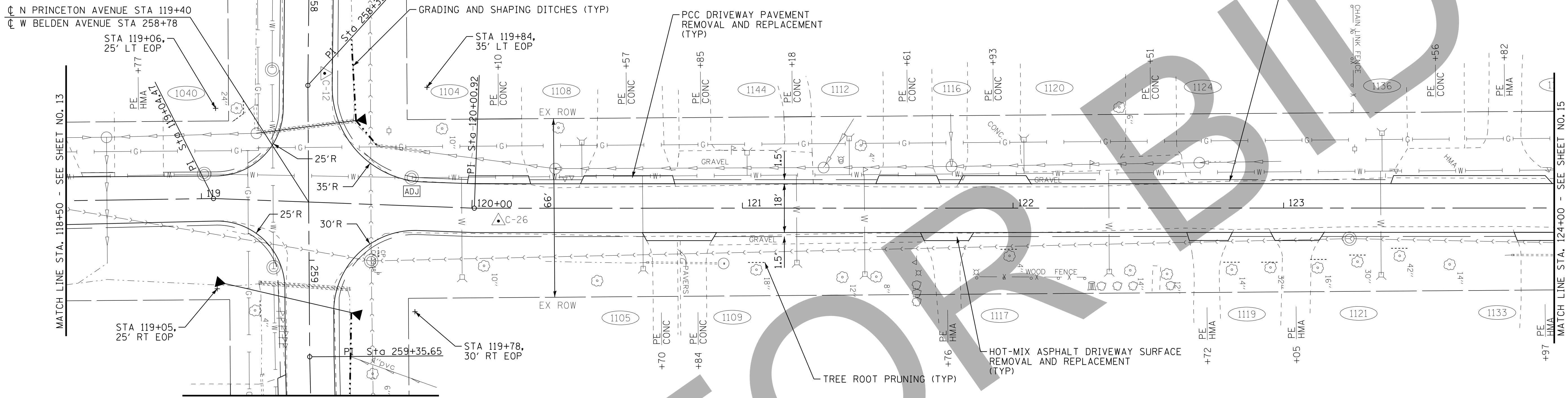
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	13
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



W BELDEN AVENUE

FOR CONTINUATION - SEE SHEET NO. 11

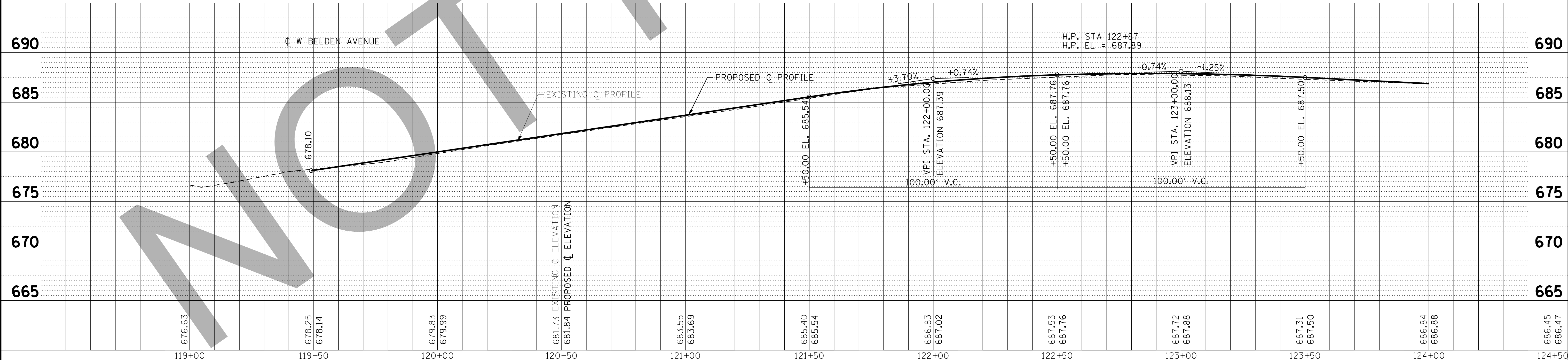
CL N PRINCETON AVENUE STA 119+40
 CL W BELDEN AVENUE STA 258+78



FOR CONTINUATION - SEE SHEET NO. 11

W BELDEN AVENUE

N PRINCETON AVENUE



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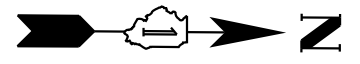
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DRAWN - KAR	REVISED -
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DATE - 06/05/15	FILE - 150215SHT-PP4_Prin.dgn

VILLAGE OF VILLA PARK, ILLINOIS
 TWIN LAKES STREET IMPROVEMENTS

ROADWAY PLAN AND PROFILE
 N PRINCETON AVENUE

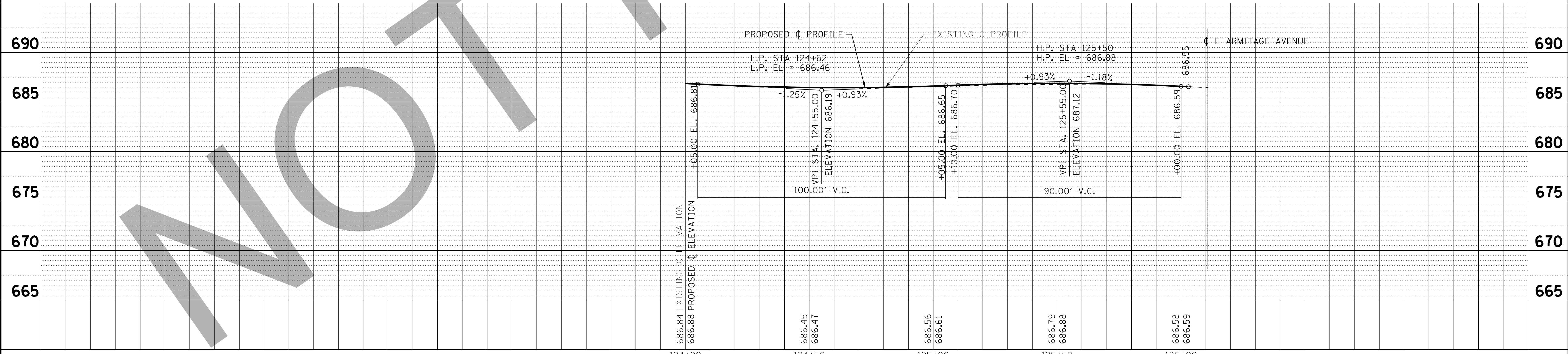
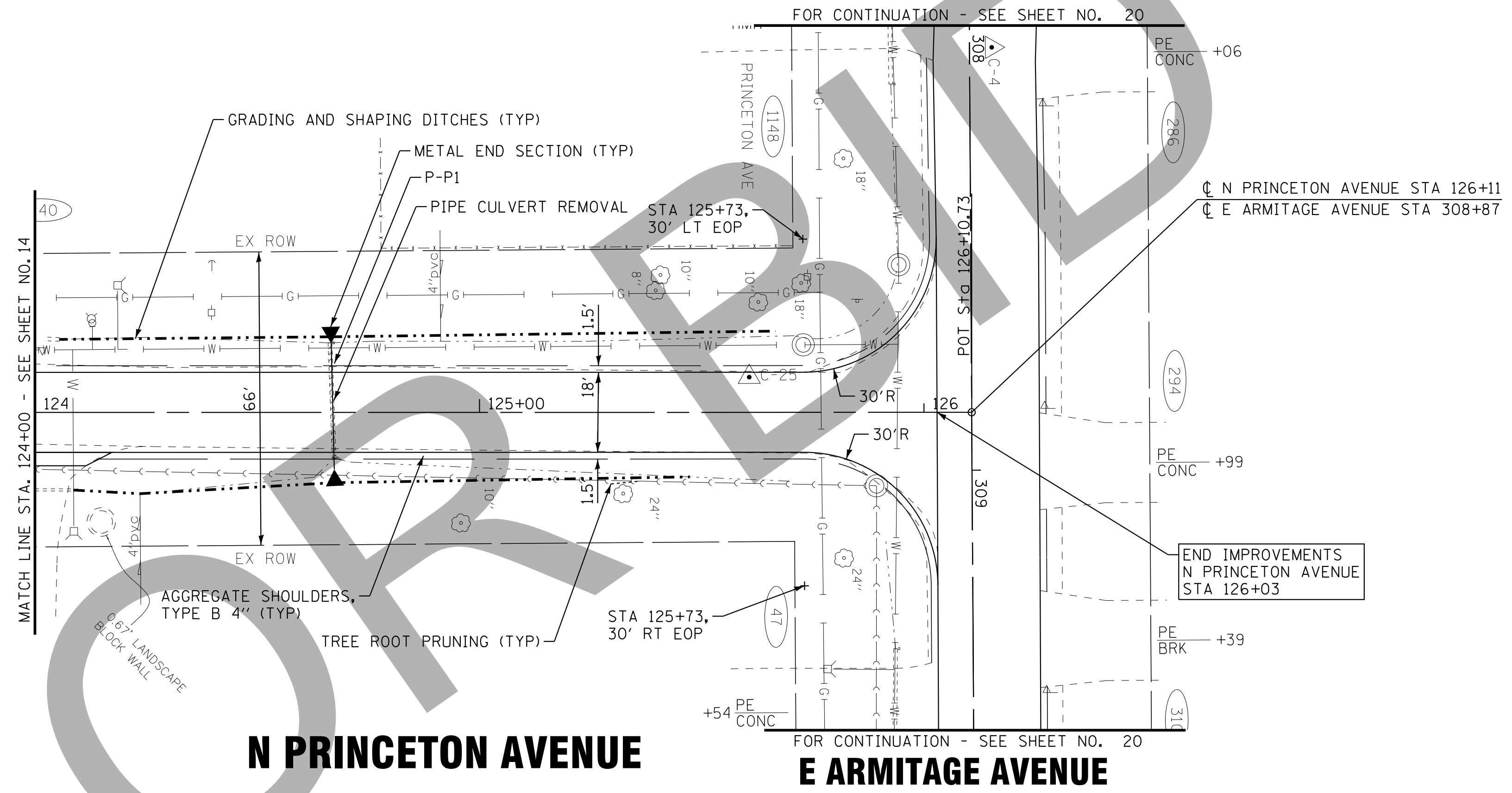
SCALE: H: 1"=20' V: 1"=5' STA. 118+50 TO STA. 124+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	14
CONTRACT NO.		ILLINOIS FED. AID PROJECT		



DRAINAGE PIPE SCHEDULE

PIPE NO.	UPSTREAM			DOWNSTREAM			LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
	STA.	OFFSET	INVERT	STA.	OFFSET	INVERT				
P1	124+67	13' RT	684.41	124+67	16' LT	684.28	19	0.68%	PIPE CULVERTS, 12"	2.9



NOT FOR CONSTRUCTION

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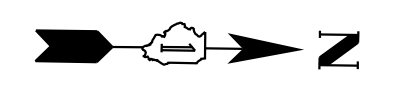
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DATE - 06/05/15	FILE - 150215SHT-PP5_Princeton.dgn

VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS

ROADWAY PLAN AND PROFILE
N PRINCETON AVENUE

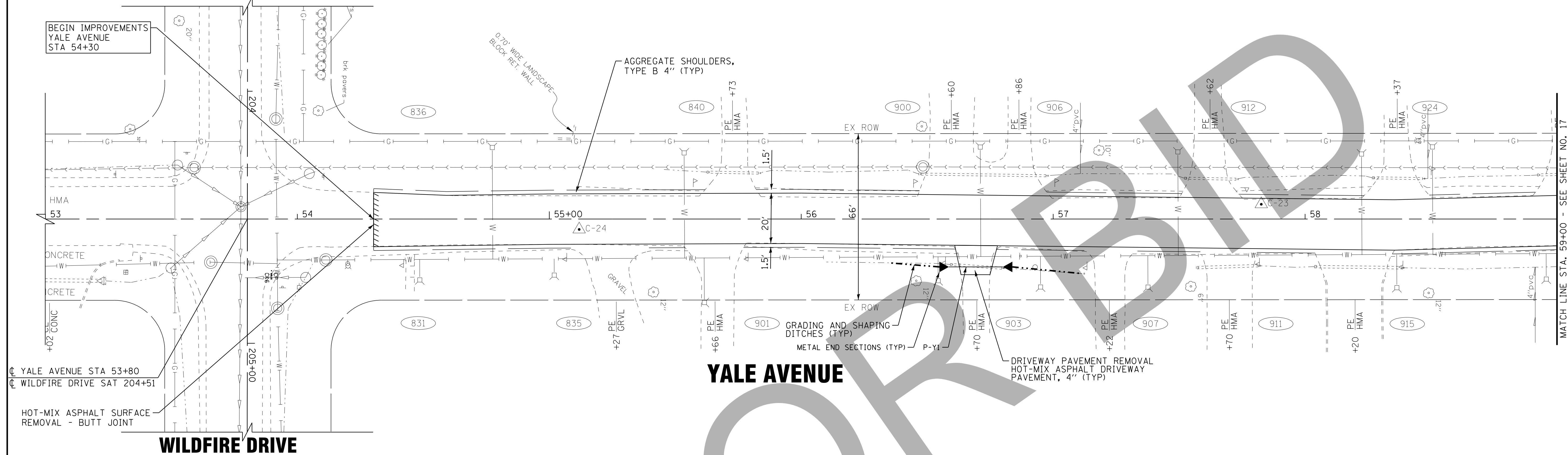
SCALE: H: 1"=20' V: 1"=5'
STA. 124+00 TO STA. 126+11

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	15
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



WILDFIRE DRIVE

BEGIN IMPROVEMENTS
YALE AVENUE
STA 54+30



MATCH LINE STA. 59+00 - SEE SHEET NO. 17

YALE AVENUE

WILDFIRE DRIVE

YALE AVENUE STA 53+80
WILDFIRE DRIVE SAT 204+51

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

DRAINAGE PIPE SCHEDULE

PIPE NO.	UPSTREAM			DOWNSTREAM			LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
	STA.	OFFSET	INVERT	STA.	OFFSET	INVERT				
Y1	056+59	19' RT	679.85	056+80	19' RT	679.43	21	2.00%	PIPE CULVERTS, 10"	2.3

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VILLAGE OF VILLA PARK, ILLINOIS TWIN LAKES STREET IMPROVEMENTS

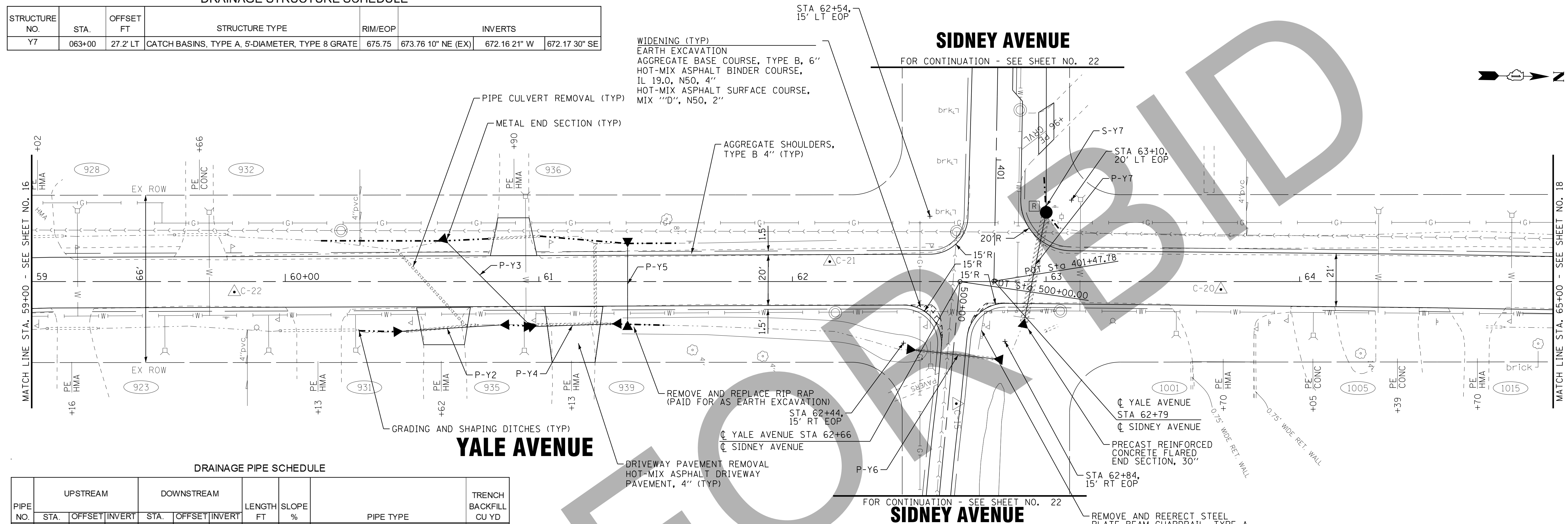
ROADWAY PLAN YALE AVENUE

SCALE: 1" = 20'
 STA. 53+00 TO STA. 59+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	16
CONTRACT NO.		ILLINOIS FED. AID PROJECT		

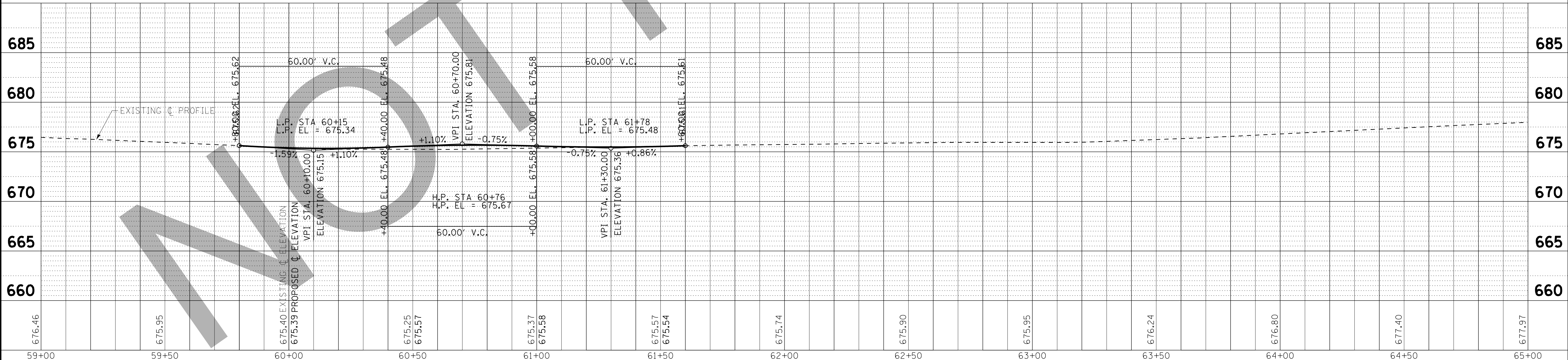
DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
Y7	063+00	27.2 LT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	675.75	673.76 10" NE (EX)	672.16 21" W	672.17 30" SE



DRAINAGE PIPE SCHEDULE

PIPE NO.	UPSTREAM			DOWNSTREAM			LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
	STA.	OFFSET	INVERT	STA.	OFFSET	INVERT				
Y2	060+47	20' RT	673.70	060+85	17' RT	673.50	26	0.77%	PIPE CULVERTS, 10"	2.7
Y3	060+64	15' LT	673.65	060+95	16' RT	673.46	32	0.59%	PIPE CULVERTS, 12"	4.2
Y4	060+98	18' RT	673.46	061+29	17' RT	673.35	22	0.50%	PIPE CULVERTS, 10"	2.9
Y5	061+35	14' LT	673.47	061+35	15' RT	673.33	17	0.82%	PIPE CULVERTS, 12"	3.0
Y6	062+49	27' RT	672.68	062+79	30' RT	672.20	31	1.55%	PIPE CULVERTS, 18"	3.9
Y7	063+00	27' LT	672.17	062+92	15' RT	672.13	35	0.11%	PIPE CULVERTS, CLASS A, TYPE 1 30"	7.3



VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS

ROADWAY PLAN AND PROFILE
YALE AVENUE



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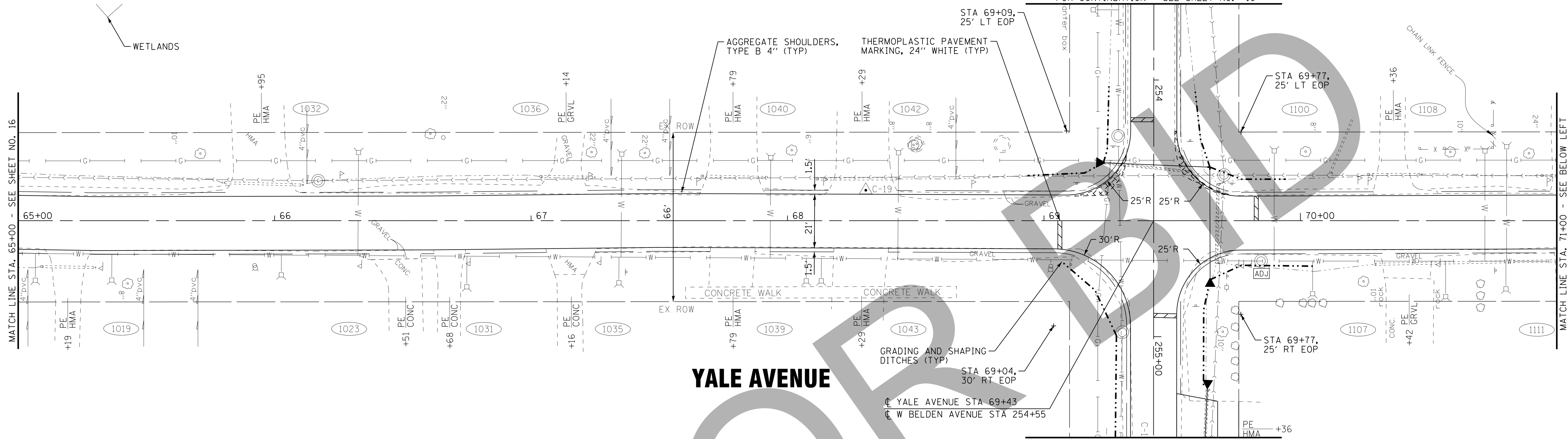
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	17
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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W BELDEN AVENUE

FOR CONTINUATION - SEE SHEET NO. 10



DRAINAGE PIPE SCHEDULE

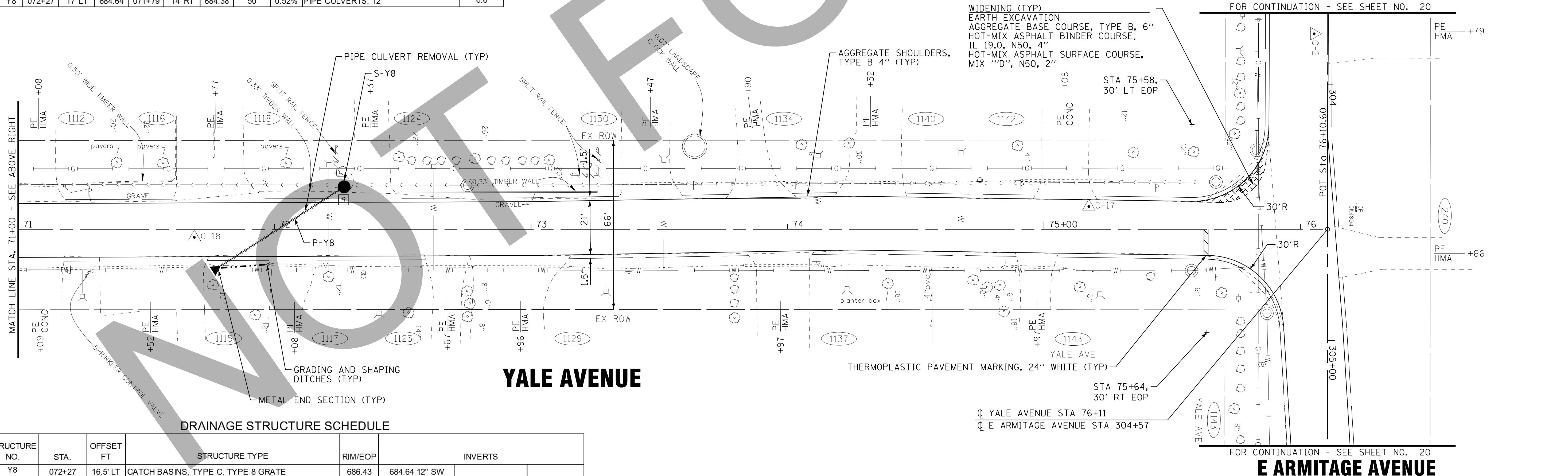
PIPE NO.	UPSTREAM			DOWNSTREAM			LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
	STA.	OFFSET	INVERT	STA.	OFFSET	INVERT				
Y8	072+27	17' LT	684.64	071+79	14' RT	684.38	50	0.52%	PIPE CULVERTS, 12"	6.6

FOR CONTINUATION - SEE SHEET NO. 10

W BELDEN AVENUE

E ARMITAGE AVENUE

FOR CONTINUATION - SEE SHEET NO. 20



DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS
Y8	072+27	16.5' LT	CATCH BASINS, TYPE C, TYPE 8 GRATE	686.43	684.64 12" SW

FOR CONTINUATION - SEE SHEET NO. 20

E ARMITAGE AVENUE

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**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

**ROADWAY PLAN
YALE AVENUE**

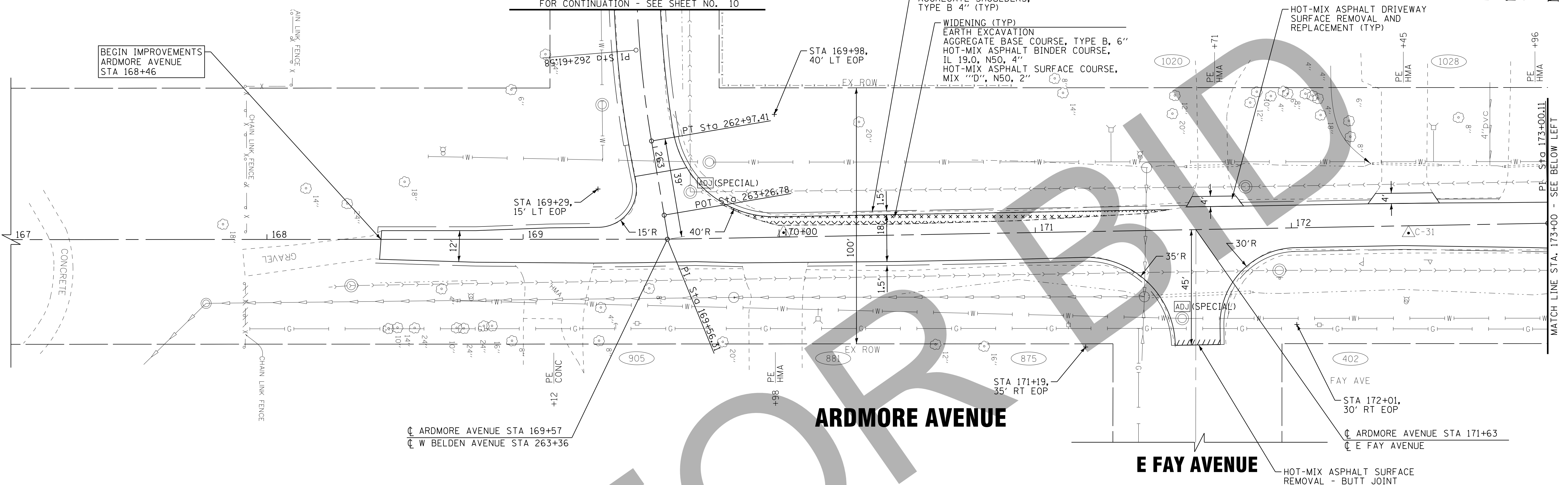
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STA. 65+00 TO STA. 76+11

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	18
CONTRACT NO.		ILLINOIS FED. AID PROJECT		

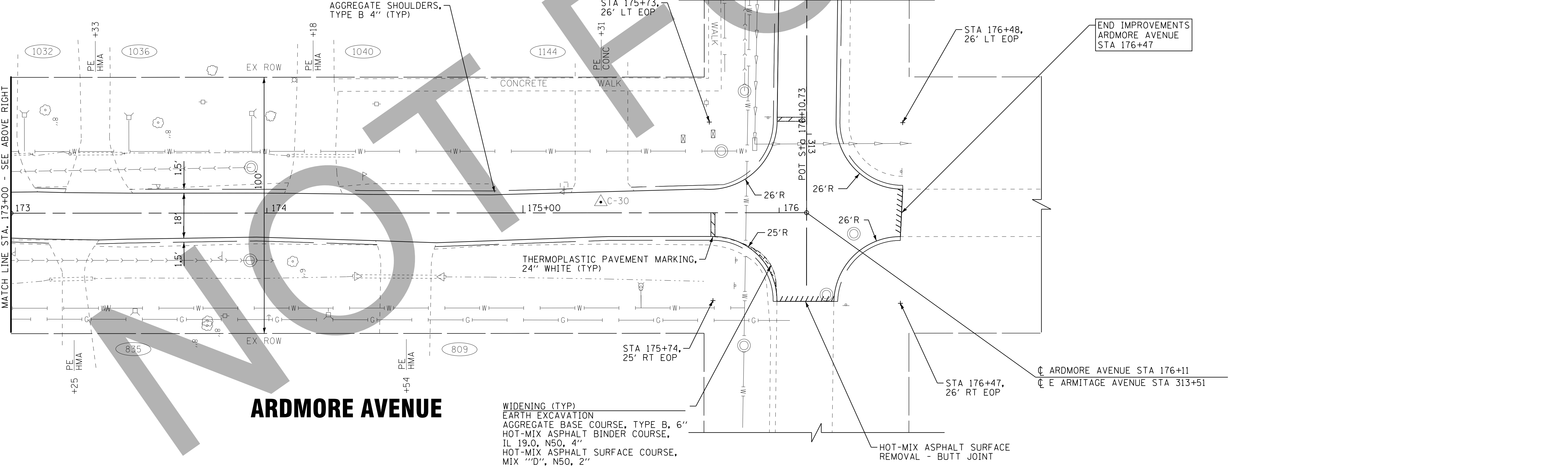
W BELDEN AVENUE

FOR CONTINUATION - SEE SHEET NO. 10



E ARMITAGE AVENUE

FOR CONTINUATION - SEE SHEET NO. 22



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**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

**ROADWAY PLAN
ARDMORE AVENUE**

SCALE: 1" = 20'

STA. 167+00 TO STA. 176+47

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	19
CONTRACT NO.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

N HARVARD AVENUE

N HARVARD AVENUE

E ARMITAGE AVENUE

E ARMITAGE AVENUE

N PRINCETON AVENUE

YALE AVENUE

VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS

ROADWAY PLAN
E ARMITAGE AVENUE

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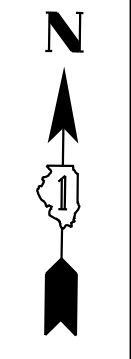
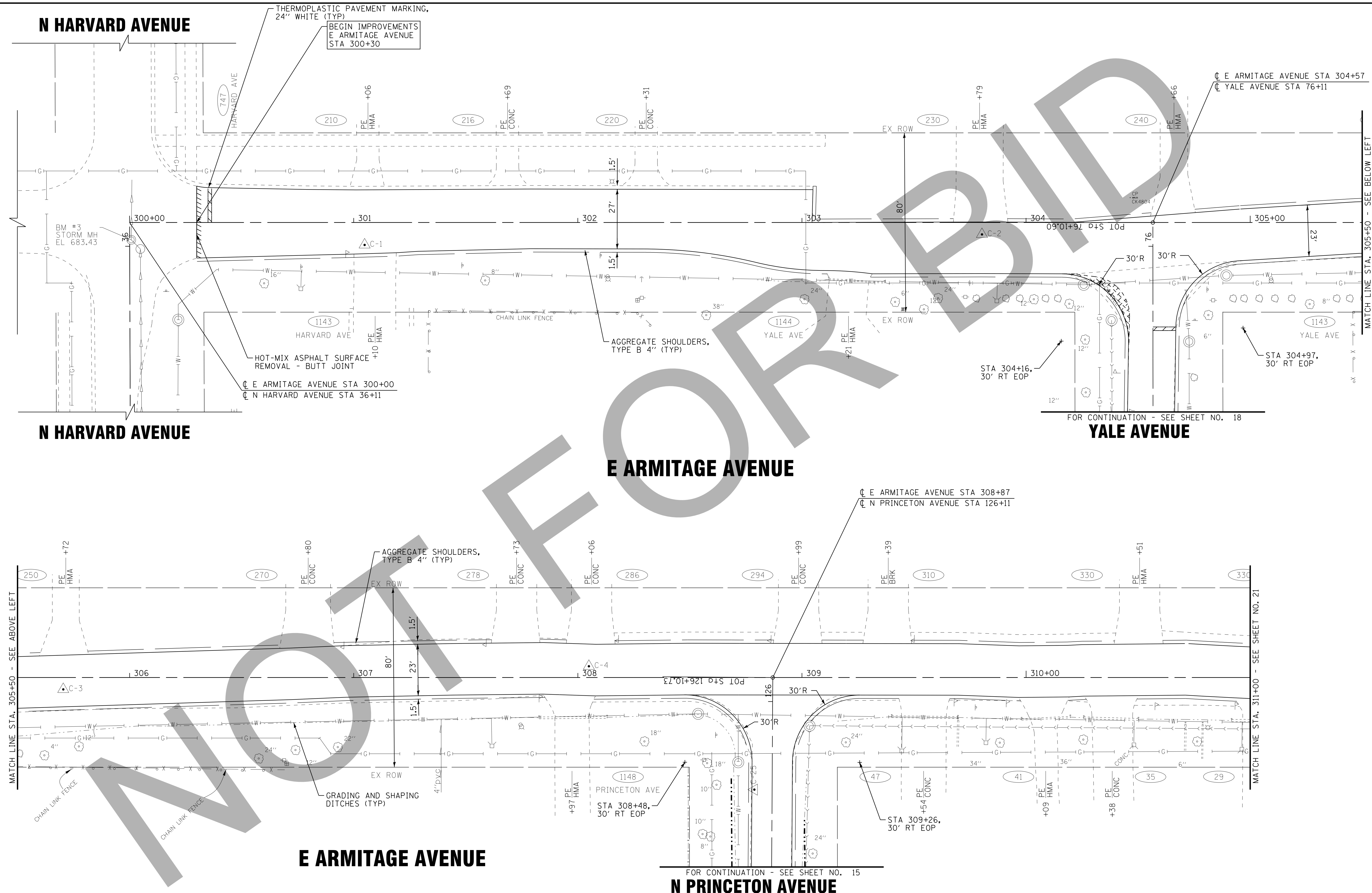
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SCALE: 1" = 20'

STA. 300+00 TO STA. 311+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DuPAGE	38	20
CONTRACT NO.		ILLINOIS FED. AID PROJECT		



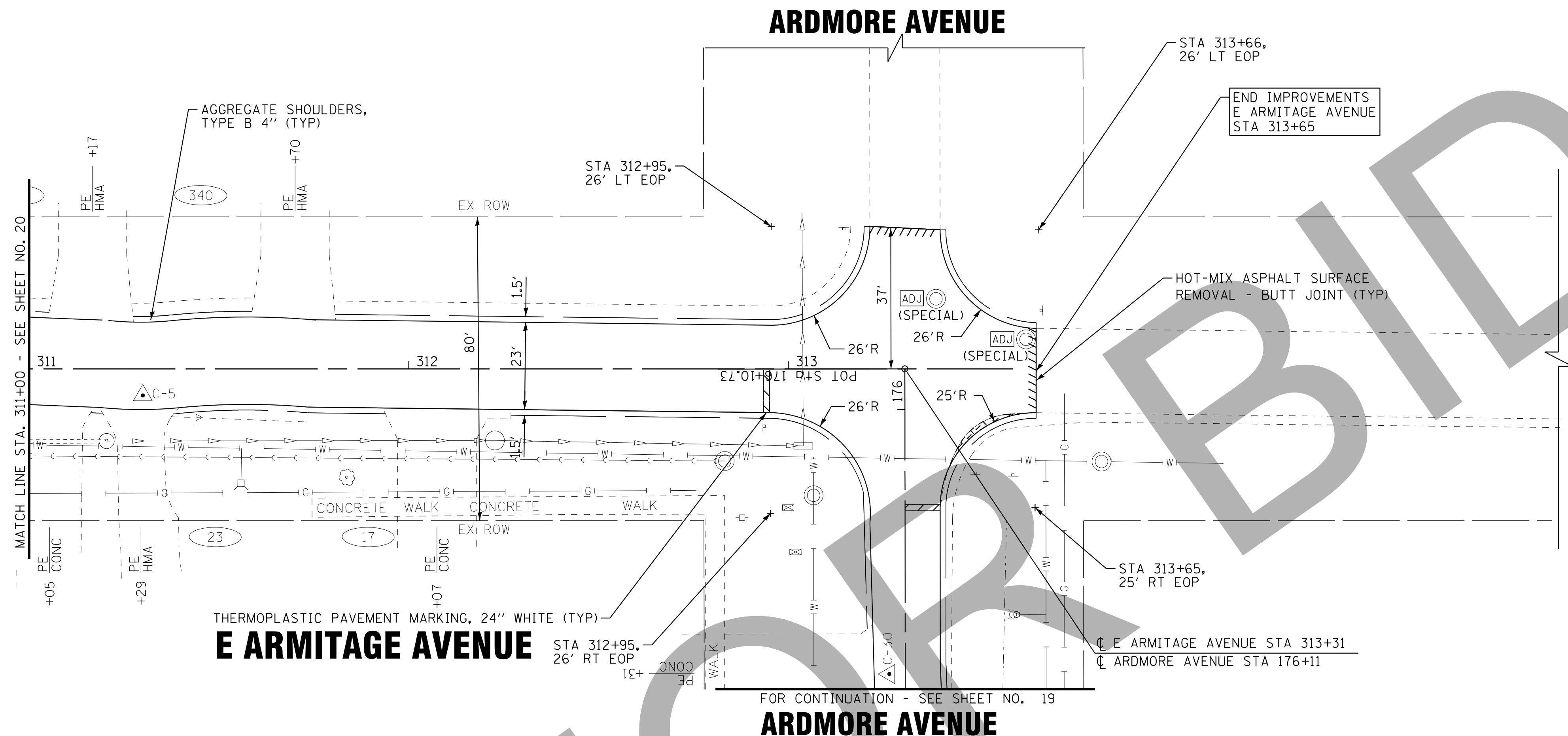
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MATCH LINE STA. 305+50 - SEE ABOVE LEFT

MATCH LINE STA. 311+00 - SEE SHEET NO. 21

FOR CONTINUATION - SEE SHEET NO. 18

FOR CONTINUATION - SEE SHEET NO. 15



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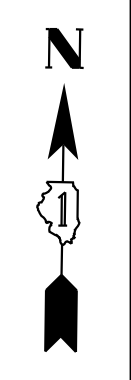
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**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

**ROADWAY PLAN
E ARMITAGE AVENUE**

SCALE: 1" = 20' STA. 311+00 TO STA. 313+58

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	21
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

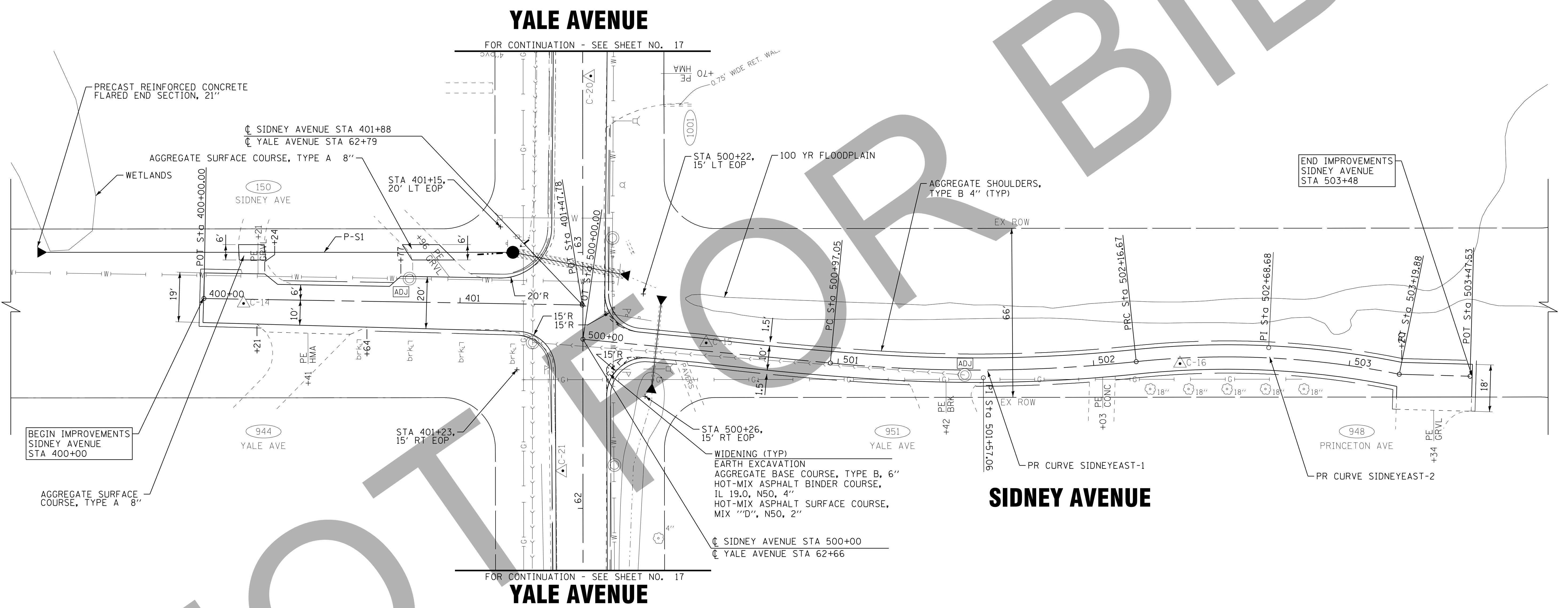


DRAINAGE PIPE SCHEDULE

PIPE NO.	UPSTREAM			DOWNSTREAM			LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
	STA.	OFFSET	INVERT	STA.	OFFSET	INVERT				
S1	399+40	17' LT	673.24	401+20	20' LT	672.16	180	0.60%	PIPE CULVERTS, CLASS A, TYPE 1 21"	11.6

PROP. CURVE SIDNEYEAST-1
 PI STA. = 501+57.06
 $\Delta = 11^\circ 30' 56''$ (LT)
 $D = 9^\circ 37' 36''$
 $R = 595.17'$
 $T = 60.01'$
 $L = 119.62'$
 $E = 3.02'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA} = 500+97.05$
 $P.T. \text{ STA} = 502+16.67$

PROP. CURVE SIDNEYEAST-2
 PI STA. = 502+68.68
 $\Delta = 17^\circ 32' 04''$ (RT)
 $D = 16^\circ 59' 17''$
 $R = 337.27'$
 $T = 52.02'$
 $L = 103.22'$
 $E = 3.99'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA} = 502+16.67$
 $P.T. \text{ STA} = 503+19.88$



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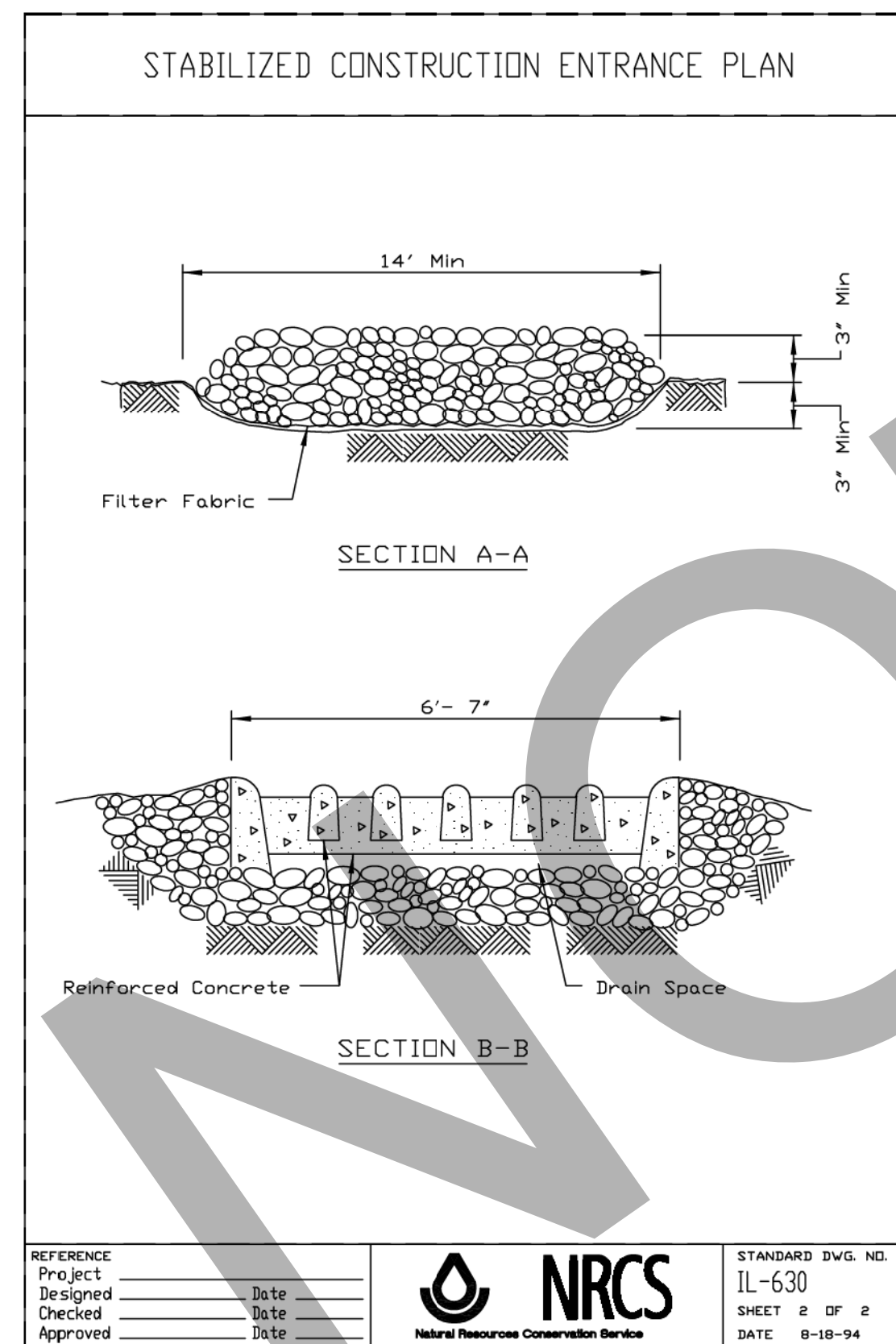
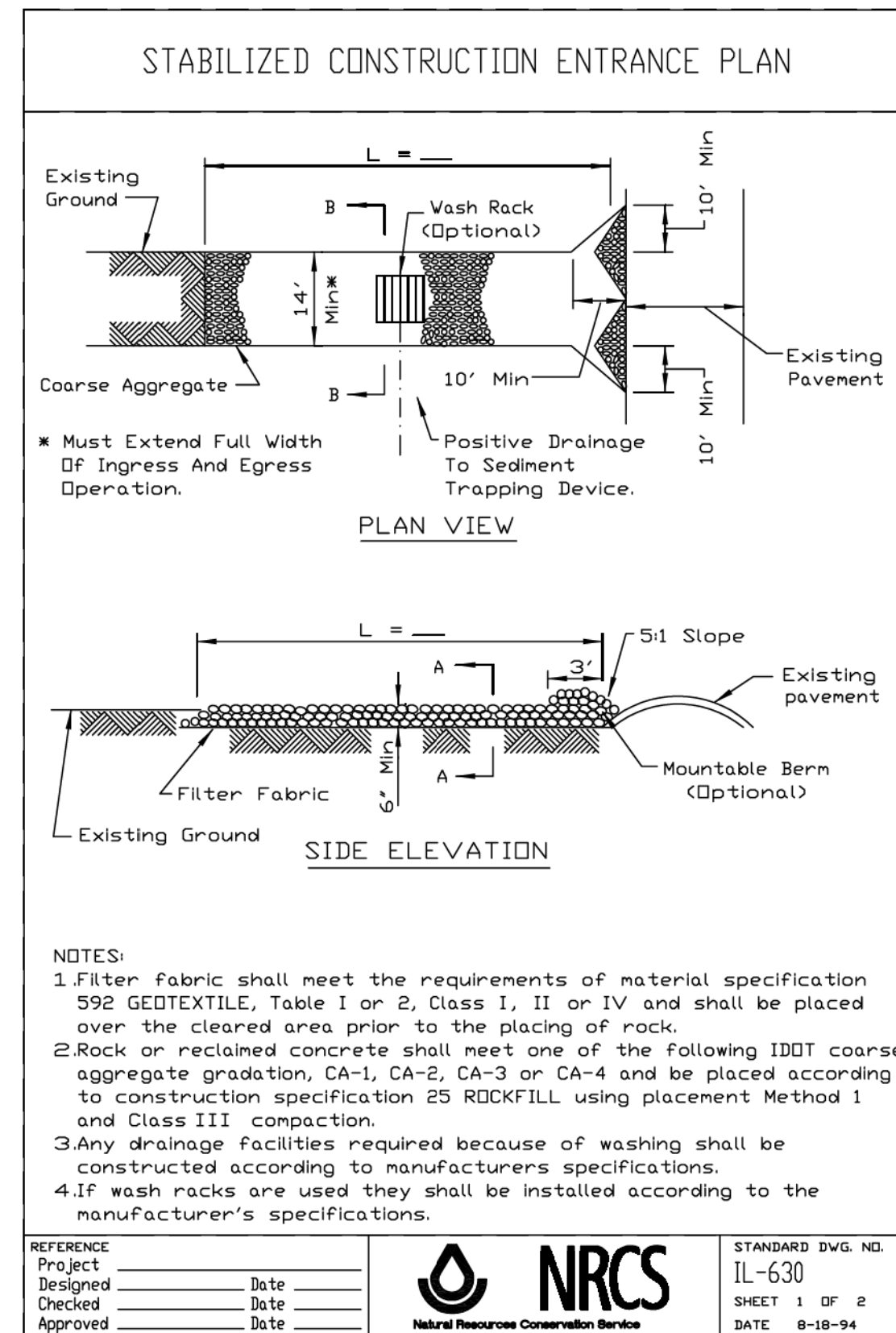
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VILLAGE OF VILLA PARK, ILLINOIS
 TWIN LAKES STREET IMPROVEMENTS

ROADWAY PLAN
 SIDNEY AVENUE

SCALE: 1" = 20'
 STA. 400+00 TO STA. 503+48

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	22
CONTRACT NO.		ILLINOIS FED. AID PROJECT		



SOIL EROSION AND SEDIMENT CONTROL NOTES

1. SEDIMENTATION AND EROSION CONTROL STANDARDS

THE FOLLOWING STANDARDS MUST BE SATISFIED:

- ALL AREAS LOCATED DOWNSTREAM FROM DISTURBED AREAS OF A DEVELOPMENT SITE SHALL BE PROTECTED FROM POTENTIAL INCREASE OF EROSION AND SEDIMENTATION RESULTING FROM UPSTREAM ACTIVITIES.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED AND FUNCTIONAL PRIOR TO OR CONCURRENTLY WITH THE START OF DISTURBANCE.
- PERMANENT STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED; BUT IN NO CASE SHALL THESE MEASURES BE INSTALLED MORE THAN 14 DAYS AFTER THE CONSTRUCTION IN THE AREA TEMPORARILY OR PERMANENTLY CEASES.

2. SEDIMENTATION AND EROSION CONTROL METHODS

THE FOLLOWING SEDIMENTATION AND EROSION CONTROL METHODS MUST BE INSTALLED AND MAINTAINED:

- ALL STORM SEWER STRUCTURES THAT RECEIVE RUNOFF DURING CONSTRUCTION SHALL INCLUDE INLET PROTECTION TO PREVENT DEBRIS AND EXCESSIVE SEDIMENT FROM ENTERING THE STORM SEWER PIPING SYSTEM. THESE PROTECTIVE MEASURES SHALL BE PROPERLY INSTALLED, MAINTAINED, AND REMOVED IN THEIR ENTIRETY AFTER THE AREA TRIBUTARY TO THE STORM STRUCTURE IS STABILIZED.
- DISCHARGES FROM DEWATERING OPERATIONS SHALL ENTER OR BE ROUTED TO A SEDIMENT AND EROSION CONTROL SYSTEM OR DEVICE.
- 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. TRAPPED SEDIMENT SHALL BE PROPERLY STABILIZED OR DISPOSED.

3. MAINTENANCE

ALL TEMPORARY MEASURES AND PERMANENT EROSION AND SEDIMENT CONTROL MUST BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION AS IDENTIFIED BY REQUIRED INSPECTIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

- REPAIR, REPLACE OR MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES AFTER A SINGULAR OR CUMULATIVE RAINFALL EVENT(S) OF 0.5 INCH OR MORE OVER A TWENTY-FOUR-HOUR PERIOD.
- MAKE ADJUSTMENTS TO THE SEDIMENTATION AND EROSION CONTROL PLAN AND METHODS, AS NEEDED, TO ACCOMPLISH THE INTENDED PURPOSE.
- ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY OR AS DETERMINED BY THE ENGINEER.

4. INSPECTIONS

- THESE PLANS SHALL BE MAINTAINED AT THE SITE DURING CONSTRUCTION OPERATIONS. THE ENGINEER SHALL MAKE INSPECTIONS AND MAINTAIN ON -SITE RECORDS OF SUCH INSPECTIONS AT THE INTERVALS SPECIFIED BELOW:
 - UPON COMPLETION OF INSTALLATION OF SEDIMENT AND RUNOFF CONTROL MEASURES, PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING;
 - AFTER CURB AND GUTTER, SIDEWALK, STREET LIGHTING AND STORM SEWER INSTALLATION;
 - AFTER FINAL GRADING; AND
 - WEEKLY AND AFTER EACH RAINFALL EVENT OF 0.5 INCH OR MORE OVER A TWENTY-FOUR-HOUR PERIOD.
- ANY NECESSARY REPAIRS TO SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MADE AND REPORTED IN THE ON-SITE INSPECTION RECORDS.

5. SOIL EROSION AND SEDIMENT CONTROL

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL PERMANENT RESTORATION IS PERFORMED.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE RECEPTACLES FOR THE DISPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DCONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE DEVELOPMENT SITE FREE OF CONSTRUCTION MATERIAL DEBRIS.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS REQUIRED. WHERE PARKWAYS ARE DISTURBED, TEMPORARY EROSION CONTROL MEASURES SHALL BE ESTABLISHED WITHIN 14 DAYS OF THE COMPLETION OF DISTURBANCE AND MAINTAINED TO THE SATISFACTION OF THE CITY. THIS WORK, INCLUDING MAINTENANCE, SHALL BE INCLUDED IN THE PERMANENT STABILIZATION PAY ITEMS UNLESS OTHERWISE NOTED.

VILLAGE OF VILLA PARK EROSION CONTROL NOTES

- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL EROSION CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO, SILT FENCE AROUND THE CONSTRUCTION LIMITS, STONE ACCESS DRIVE AND FILTER FABRIC PROTECTORS IN ALL STORM MANHOLES AND/OR INLETS PER DETAILS.
- IF THERE IS NO GENERAL CONTRACTOR, IT SHALL BE THE RESPONSIBILITY OF THE EXCAVATION/GRADING CONTRACTOR TO INSTALL ALL SOIL EROSION CONTROL DEVICES.
- THE CONTRACTOR RESPONSIBLE FOR THE INSTALLATION OF THE EROSION CONTROL DEVICES SHALL MAKE AN INSPECTION OF THE INSTALLATION ON A WEEKLY BASIS OR FOLLOWING A RAINFALL OF 0.5 INCH OR MORE OVER A 24-HOUR PERIOD. A RECORD OF SUCH INSPECTIONS SHALL BE KEPT ONSITE AT ALL TIMES UNTIL FINAL ACCEPTANCE OF THE WORK.
- IF ADDITIONAL EROSION CONTROL MEASURES NOT SHOWN ON THE PLANS ARE REQUIRED TO STOP OR PREVENT EROSION OR ARE REQUIRED BY ANY AUTHORITY HAVING JURISDICTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL SUCH REQUIRED DEVICES.
- SEE STANDARD VILLAGE OF VILLA PARK DETAILS FOR SILT FENCE AND FILTER FABRIC PROTECTOR REQUIREMENTS.
- ALL STATE AND LOCAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED THROUGHOUT CONSTRUCTION.
- ALL SILT FENCE SHALL BE INSTALLED AND APPROVED BY THE VILLAGE OF VILLA PARK PRIOR TO CONSTRUCTION.

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**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

EROSION AND SEDIMENT CONTROL NOTES

SCALE: NONE

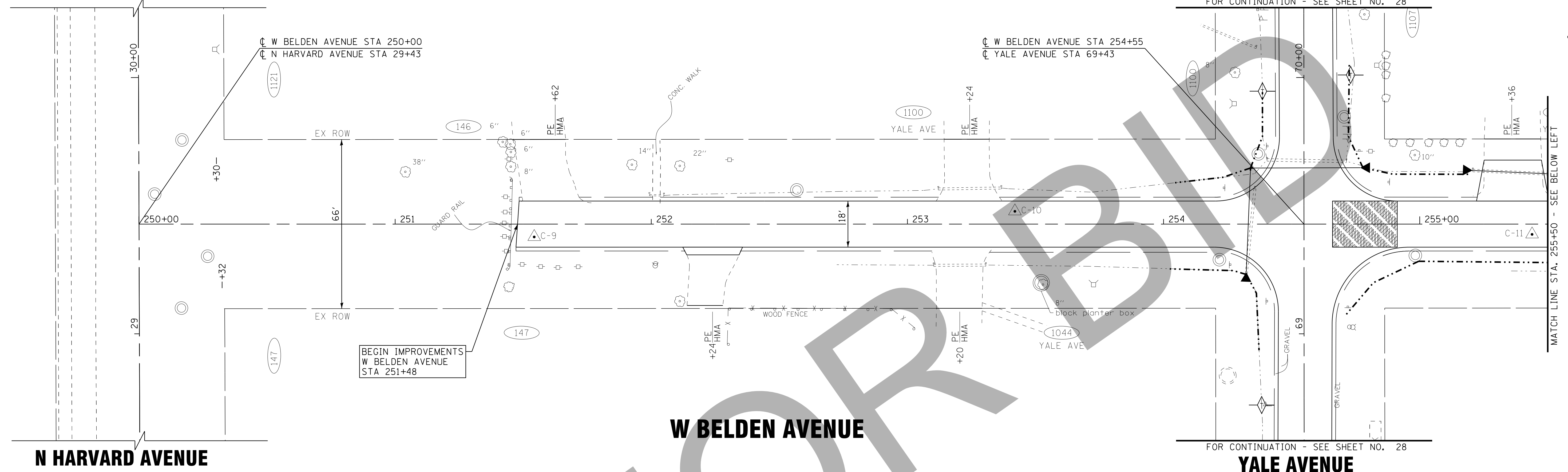
STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	23
CONTRACT NO.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

N HARVARD AVENUE

YALE AVENUE

FOR CONTINUATION - SEE SHEET NO. 28

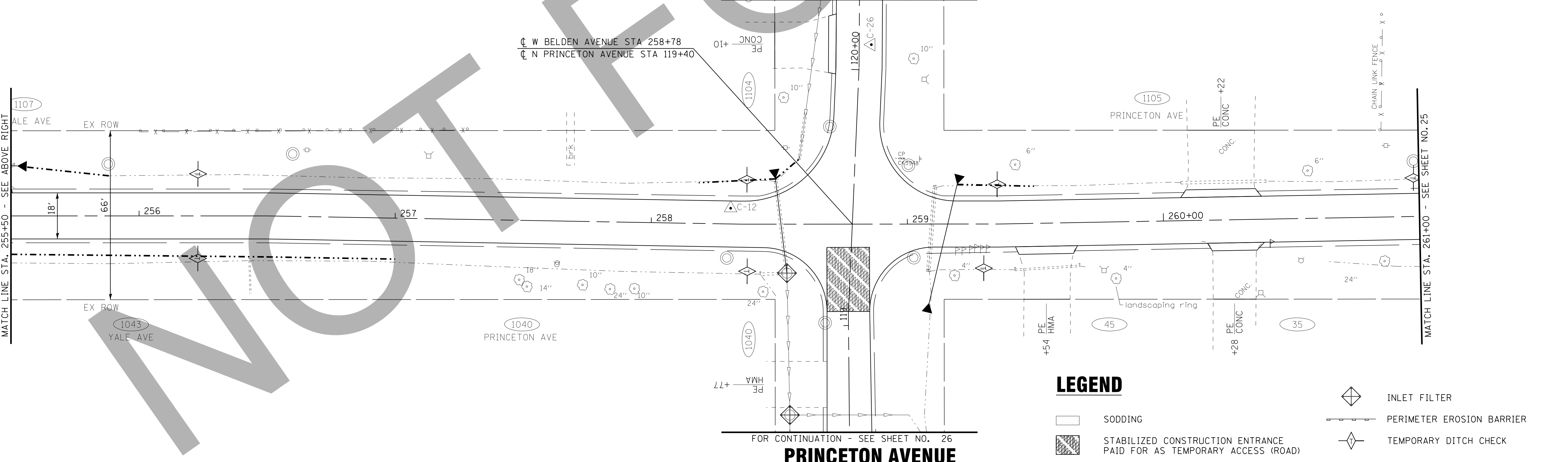


W BELDEN AVENUE

YALE AVENUE

PRINCETON AVENUE

FOR CONTINUATION - SEE SHEET NO. 26



PRINCETON AVENUE

FOR CONTINUATION - SEE SHEET NO. 26

LEGEND

- SODDING
- STABILIZED CONSTRUCTION ENTRANCE PAID FOR AS TEMPORARY ACCESS (ROAD)
- INLET FILTER
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK

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	CHECKED - TMS	REVISED -
	DATE - 06/05/15	FILE - 150215SHT-ER1.Belden.dgn

VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS

EROSION CONTROL PLAN
W BELDEN AVENUE

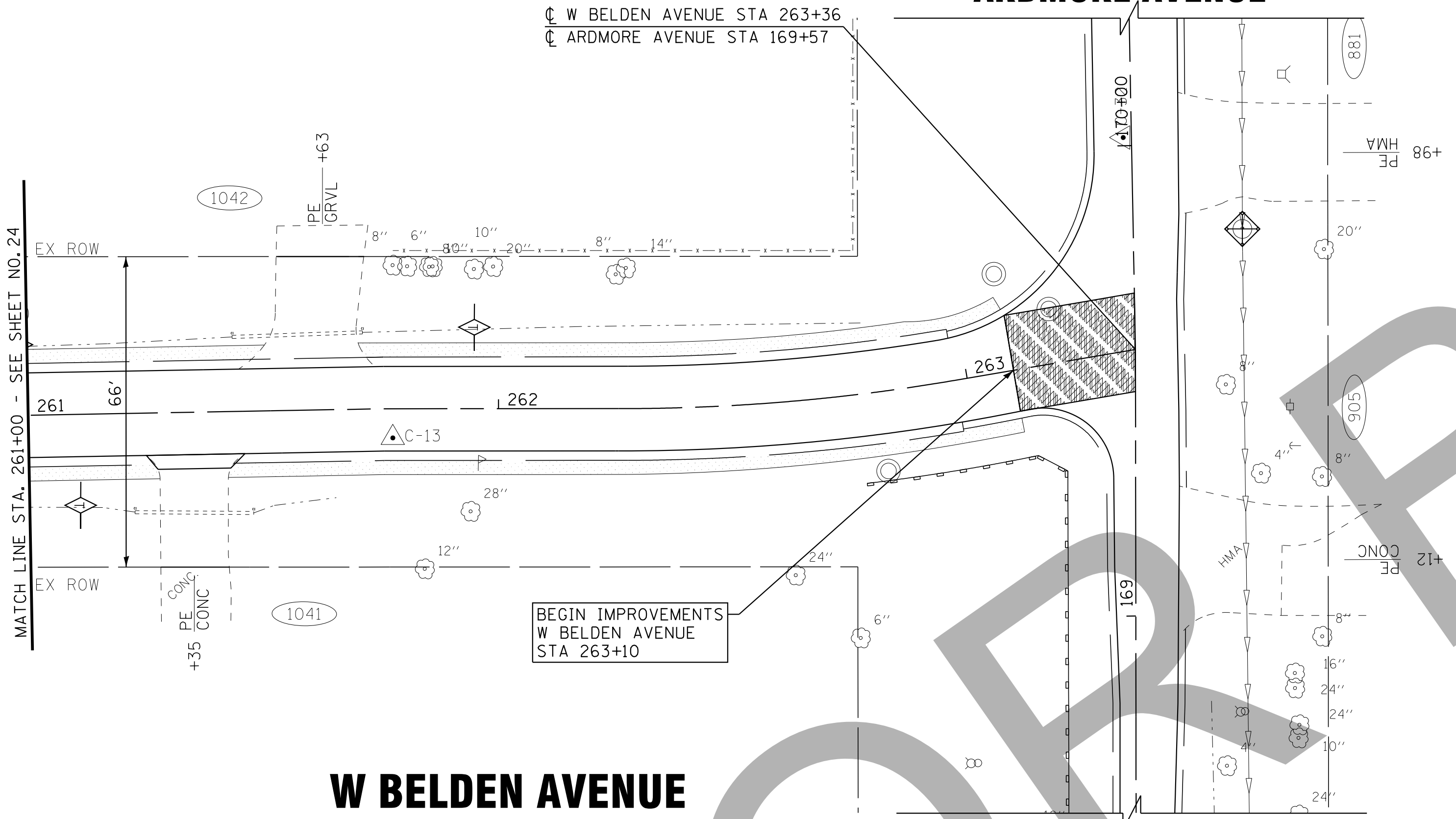
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	24
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



ARDMORE AVENUE

☐ W BELDEN AVENUE STA 263+36
☐ ARDMORE AVENUE STA 169+57

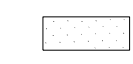
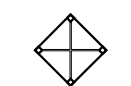



W BELDEN AVENUE

ARDMORE AVENUE

NOT FOR BIDD

LEGEND

-  SODDING
-  STABILIZED CONSTRUCTION ENTRANCE PAID FOR AS TEMPORARY ACCESS (ROAD)
-  INLET FILTER
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK

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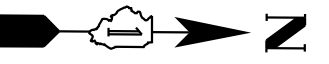
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	DRAWN - KAR	REVISED -
	CHECKED - TMS	REVISED -
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**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

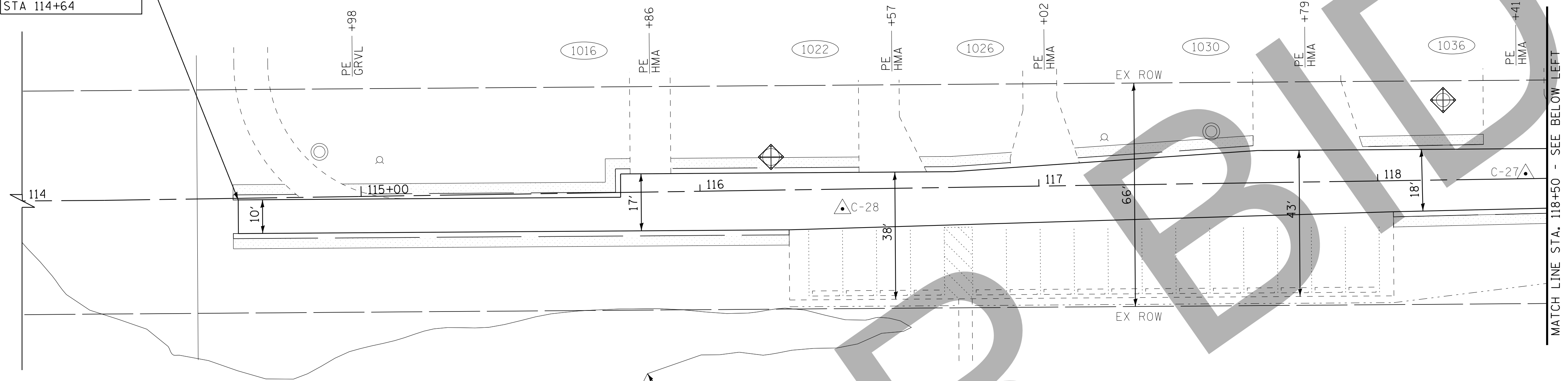
**EROSION CONTROL PLAN
W BELDEN AVENUE**

SCALE: 1" = 20' STA. 250+00 TO STA. 261+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	25
CONTRACT NO.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



BEGIN IMPROVEMENTS
N PRINCETON AVENUE
STA 114+64

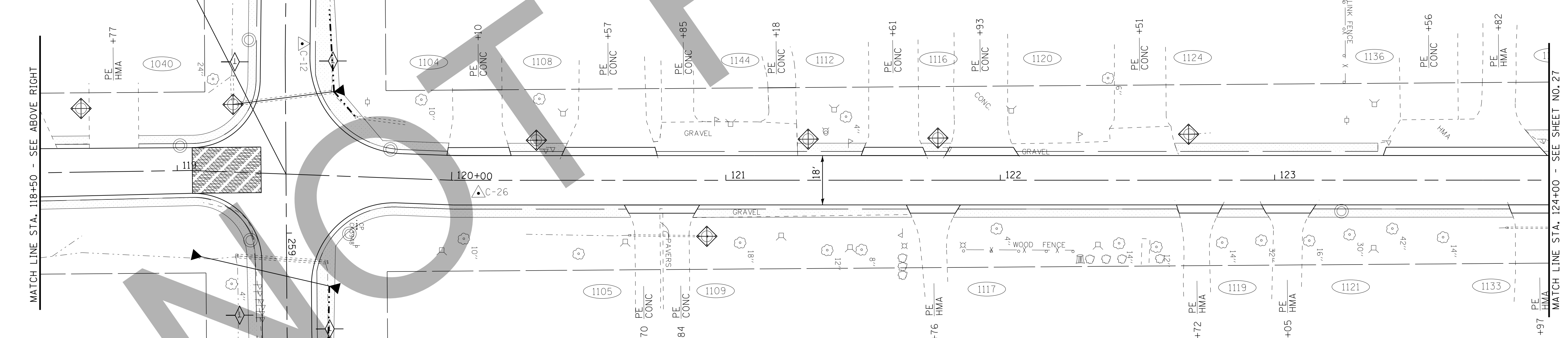


N PRINCETON AVENUE

W BELDEN AVENUE

FOR CONTINUATION - SEE SHEET NO. 24

N PRINCETON AVENUE STA 119+40
W BELDEN AVENUE STA 258+78



N PRINCETON AVENUE

W BELDEN AVENUE

FOR CONTINUATION- SEE SHEET NO. 24

LEGEND

- SODDING
- STABILIZED CONSTRUCTION ENTRANCE PAID FOR AS TEMPORARY ACCESS (ROAD)
- INLET FILTER
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK



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CHECKED - TMS	REVISED -
DATE - 06/05/15	FILE - 150215SHT-ER3_Princeton.dgn

VILLAGE OF VILLA PARK, ILLINOIS TWIN LAKES STREET IMPROVEMENTS

EROSION CONTROL PLAN N PRINCETON AVENUE

SCALE: 1" = 20'

STA. 114+00 TO STA. 124+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DuPAGE	38	26
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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DATE	- 06/05/15	FILE	- 150215SHT-ER4_Princeton.dgn

**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

LEGEND

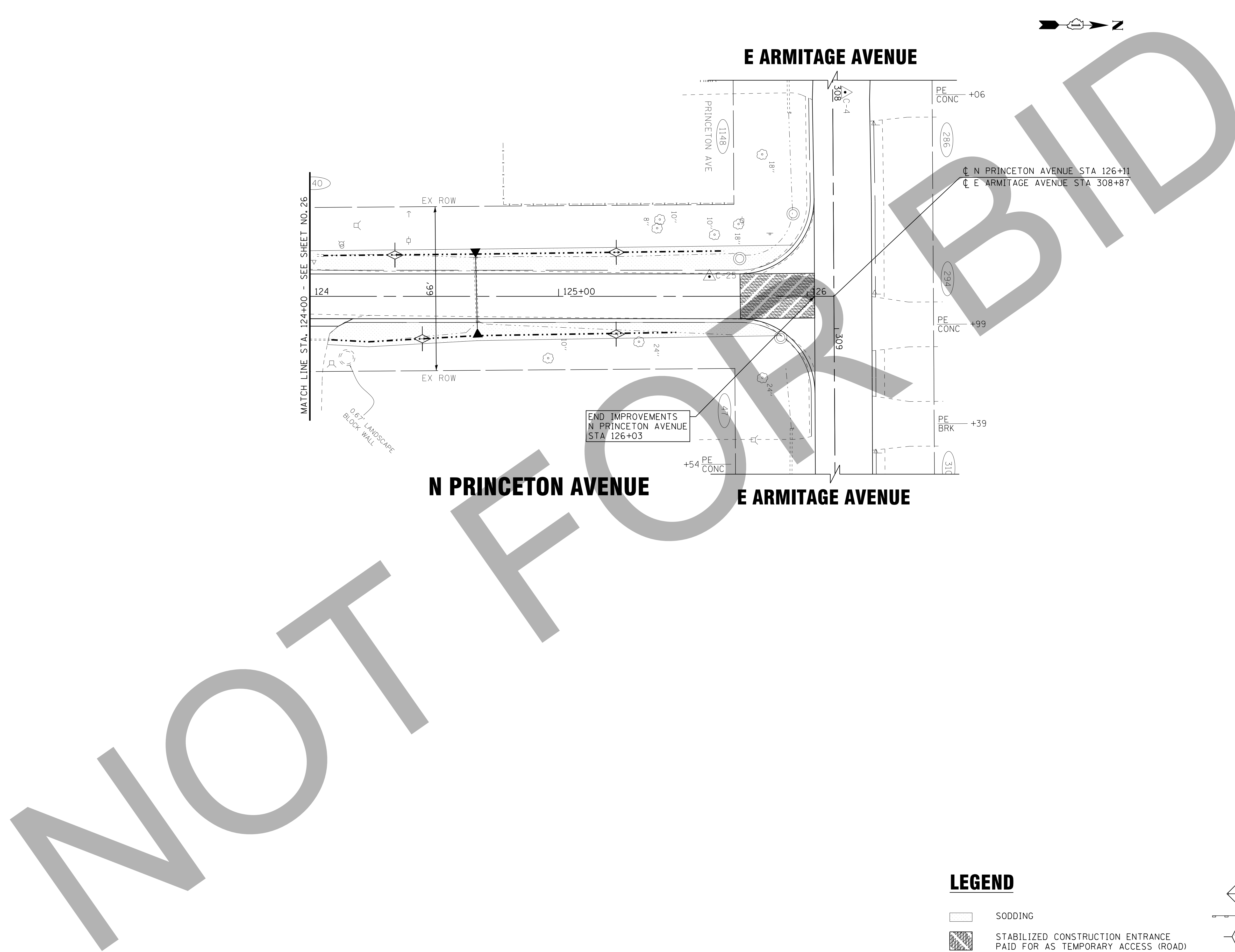
- SODDING
- STABILIZED CONSTRUCTION ENTRANCE
PAID FOR AS TEMPORARY ACCESS (ROAD)

- INLET FILTER
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK

**EROSION CONTROL PLAN
N PRINCETON AVENUE**

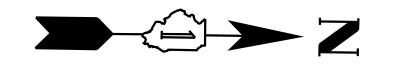
SCALE: 1" = 20' STA. 124+00 TO STA. 126+11

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO.	

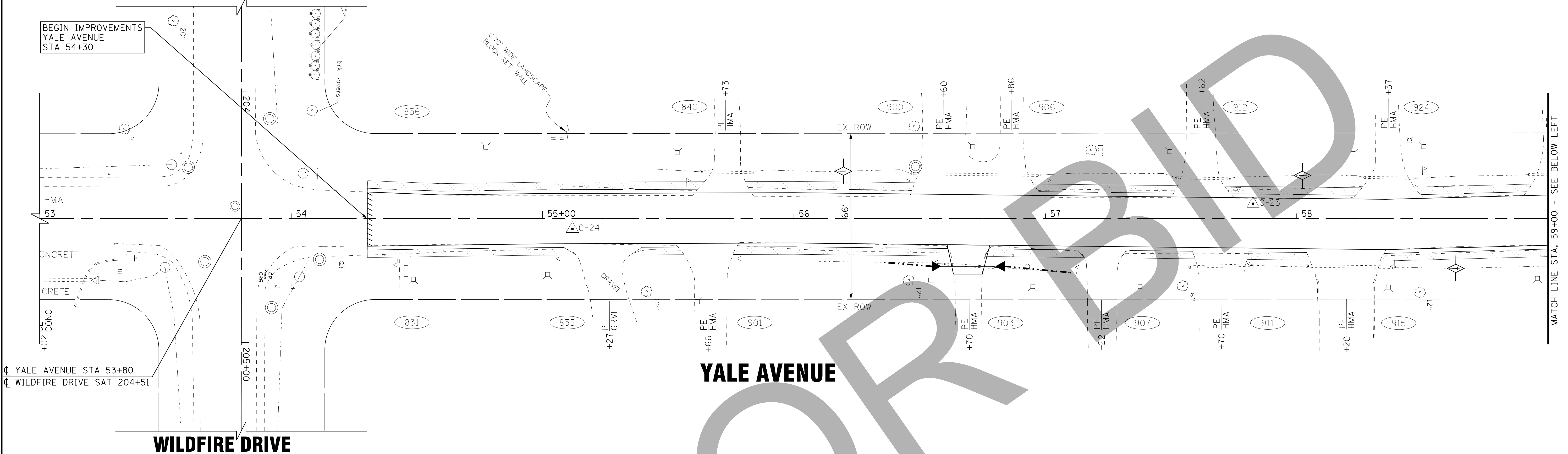


NOT FOR BIDD

WILDFIRE DRIVE



BEGIN IMPROVEMENTS
YALE AVENUE
STA 54+30



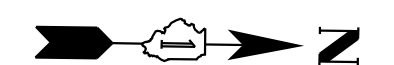
YALE AVENUE

MATCH LINE STA. 59+00 - SEE BELOW LEFT

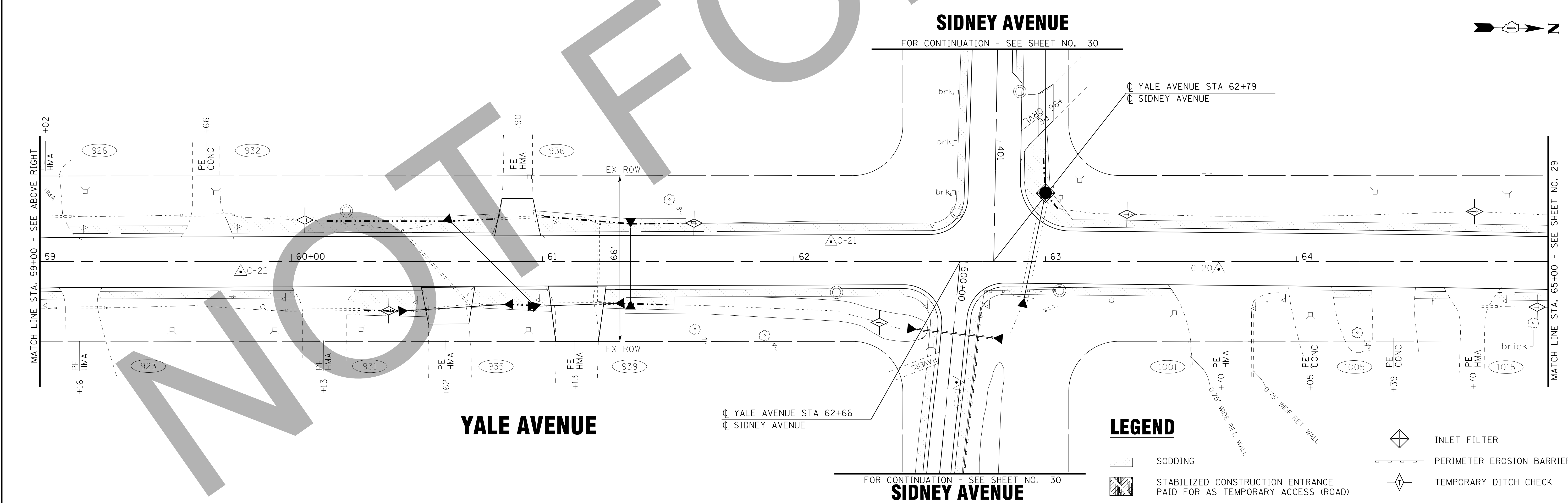
YALE AVENUE STA 53+80
WILDFIRE DRIVE SAT 204+51

WILDFIRE DRIVE

SIDNEY AVENUE



FOR CONTINUATION - SEE SHEET NO. 30



YALE AVENUE

YALE AVENUE STA 62+66
SIDNEY AVENUE

MATCH LINE STA. 65+00 - SEE SHEET NO. 29

LEGEND

- SODDING
- STABILIZED CONSTRUCTION ENTRANCE PAID FOR AS TEMPORARY ACCESS (ROAD)
- INLET FILTER
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK

FOR CONTINUATION - SEE SHEET NO. 30
SIDNEY AVENUE

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VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS

EROSION CONTROL PLAN
YALE AVENUE

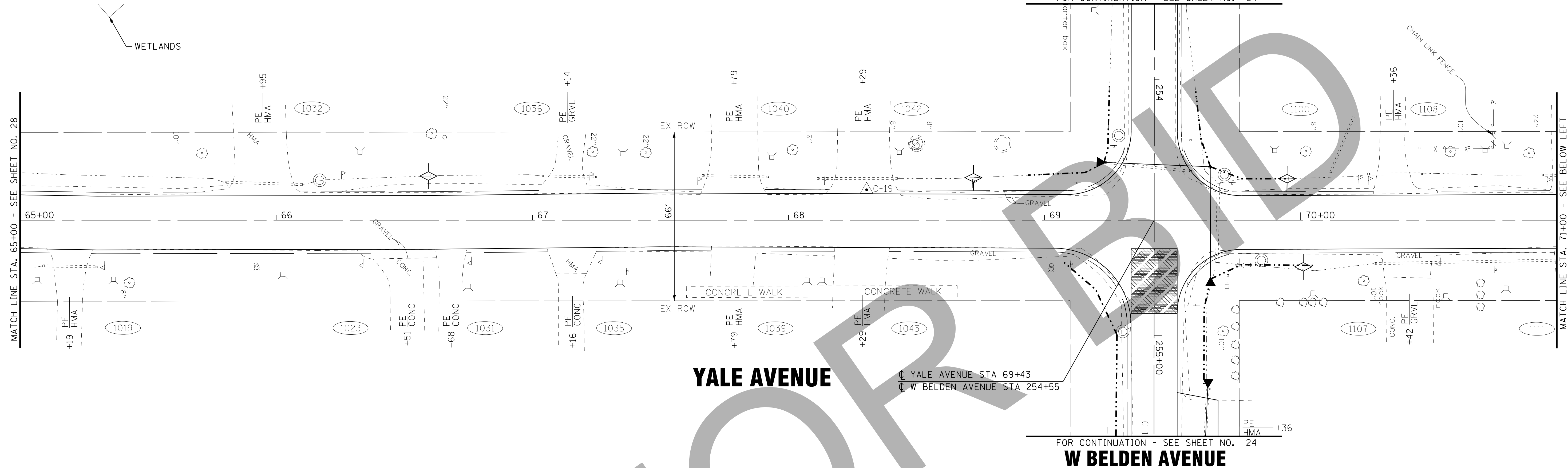
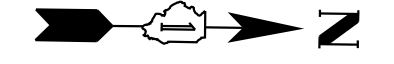
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STA. 53+00 TO STA. 65+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	28
CONTRACT NO.		ILLINOIS FED. AID PROJECT		

W BELDEN AVENUE

FOR CONTINUATION - SEE SHEET NO. 24



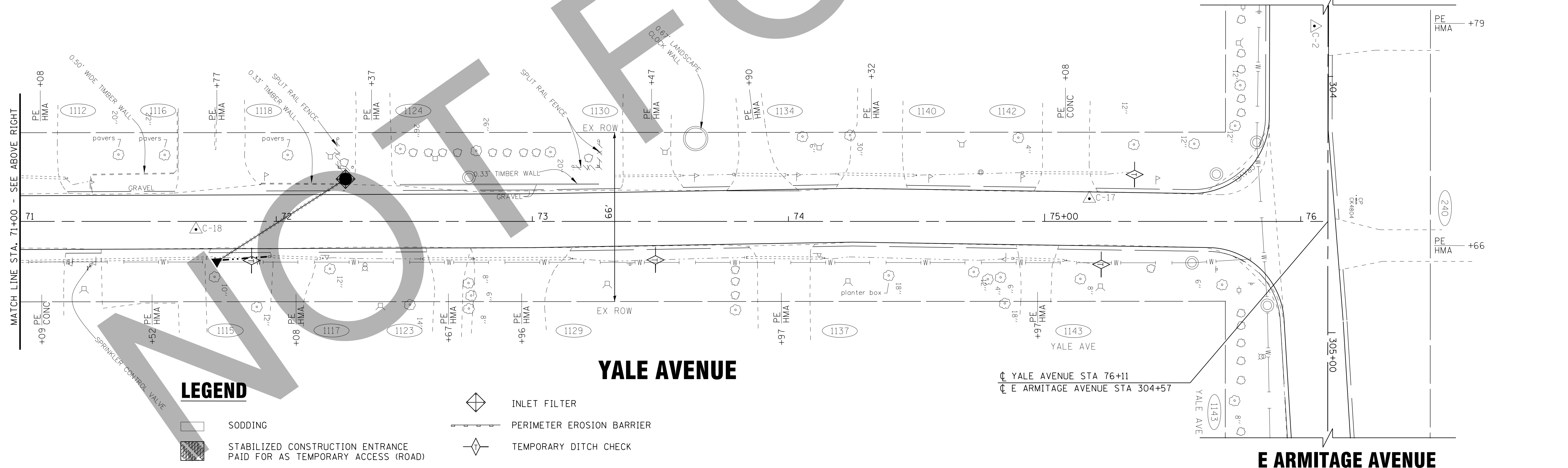
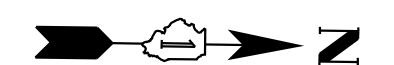
YALE AVENUE

YALE AVENUE STA 69+43
W BELDEN AVENUE STA 254+55

FOR CONTINUATION - SEE SHEET NO. 24

W BELDEN AVENUE

E ARMITAGE AVENUE




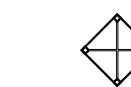
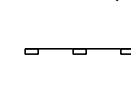
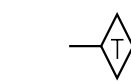
YALE AVENUE

YALE AVENUE STA 76+11
E ARMITAGE AVENUE STA 304+57

E ARMITAGE AVENUE

LEGEND

-  SODDING
-  STABILIZED CONSTRUCTION ENTRANCE PAID FOR AS TEMPORARY ACCESS (ROAD)

-  INLET FILTER
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK

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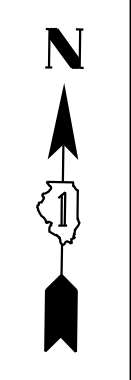
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DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 06/05/15	FILE - 150215SHT-ER6_Yale.dgn

**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

**EROSION CONTROL PLAN
YALE AVENUE**

SCALE: 1" = 20' STA. 65+00 TO STA. 76+11

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	29
CONTRACT NO.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



YALE AVENUE

FOR CONTINUATION - SEE SHEET NO. 29

CL SIDNEY AVENUE STA 401+88
CL YALE AVENUE STA 62+79

WETLANDS

100 YR FLOODPLAIN

EX ROW

END IMPROVEMENTS
SIDNEY AVENUE
STA 503+48

BEGIN IMPROVEMENTS
SIDNEY AVENUE
STA 400+00

SIDNEY AVENUE

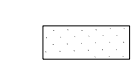
CL SIDNEY AVENUE STA 500+00
CL YALE AVENUE STA 62+66

FOR CONTINUATION - SEE SHEET NO. 29

YALE AVENUE

NOT FOR BIDDING

LEGEND

-  SODDING
-  STABILIZED CONSTRUCTION ENTRANCE PAID FOR AS TEMPORARY ACCESS (ROAD)
-  INLET FILTER
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK

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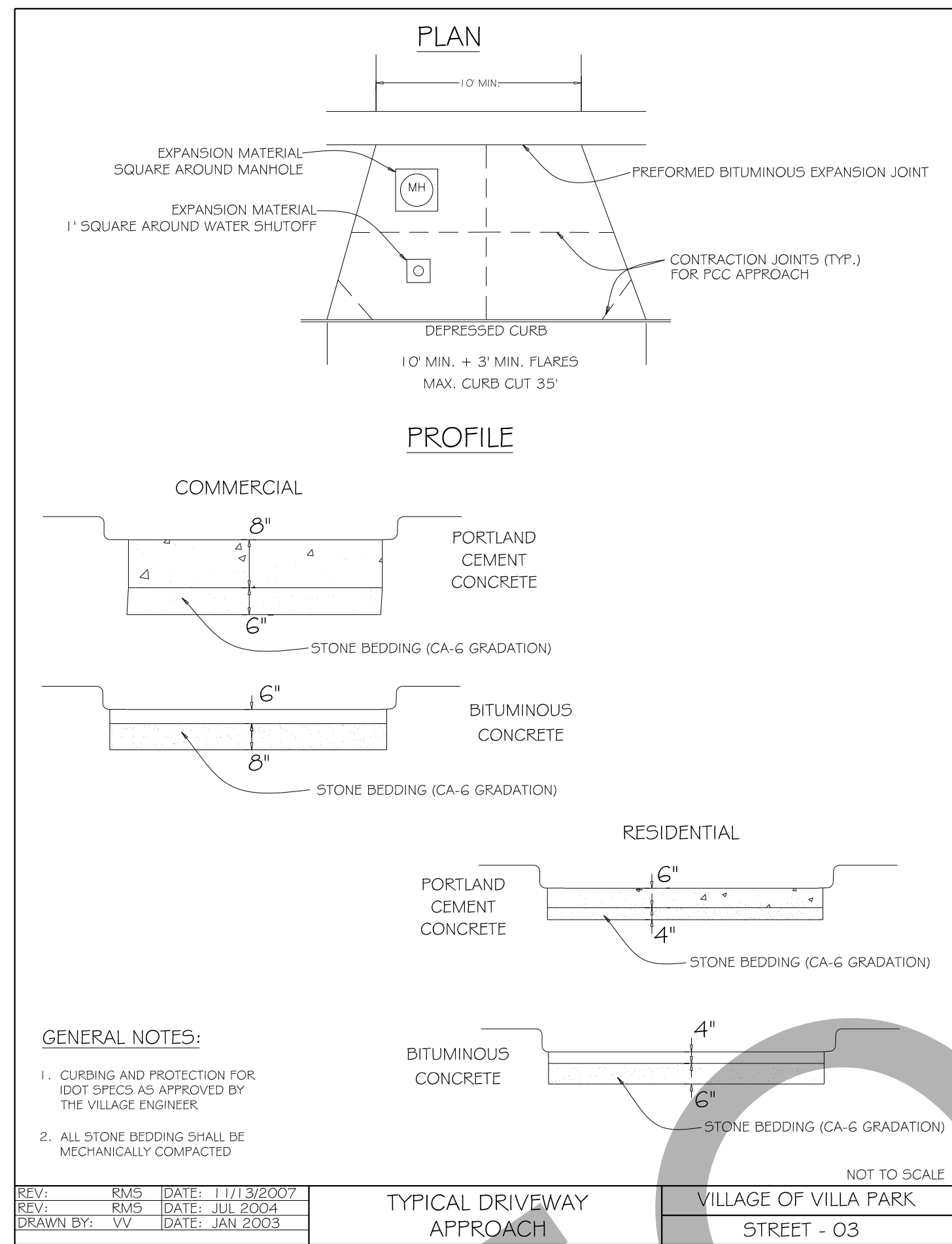
VILLAGE OF VILLA PARK, ILLINOIS TWIN LAKES STREET IMPROVEMENTS

EROSION CONTROL PLAN SIDNEY AVENUE

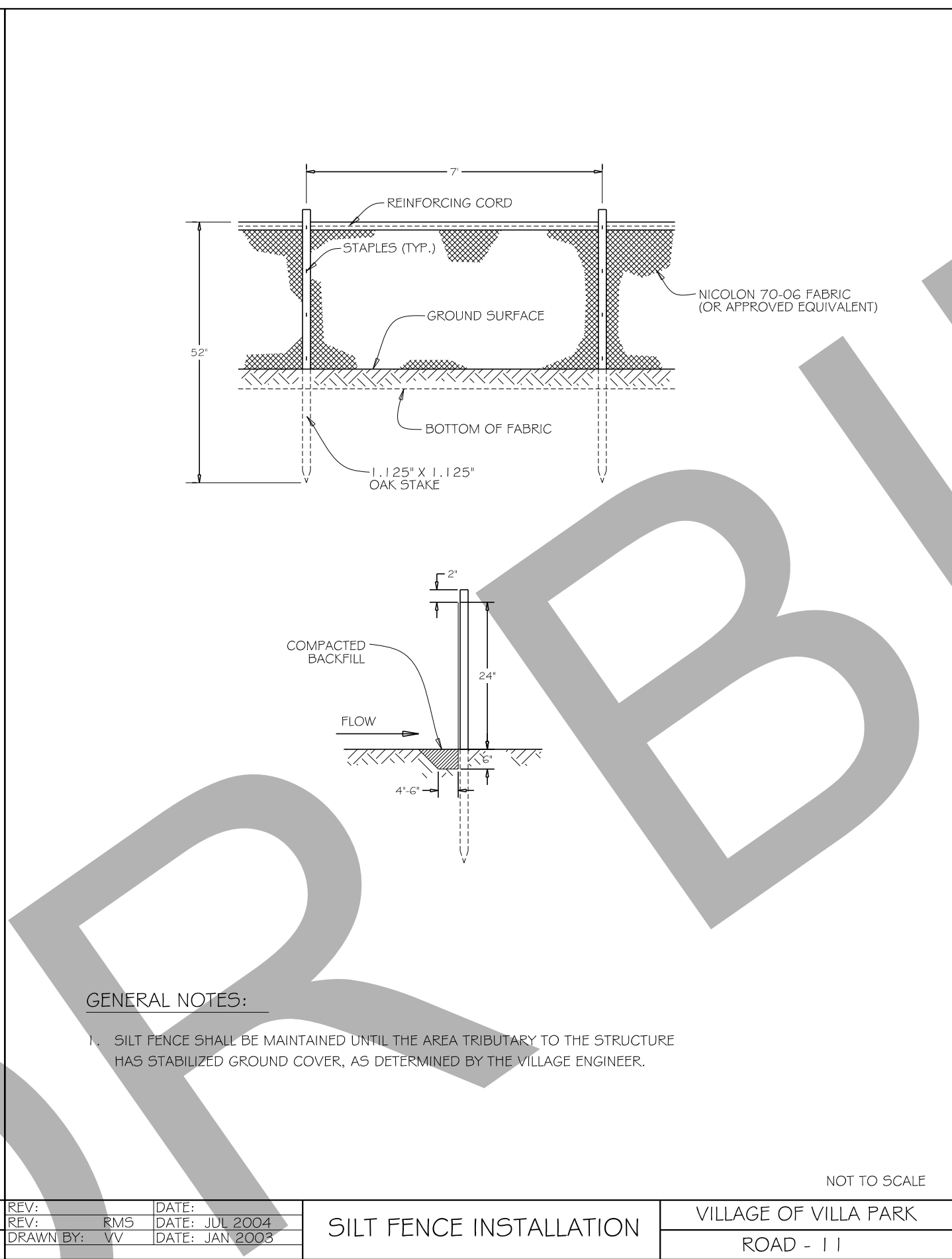
SCALE: 1" = 20'

STA. 400+00 TO STA. 503+48

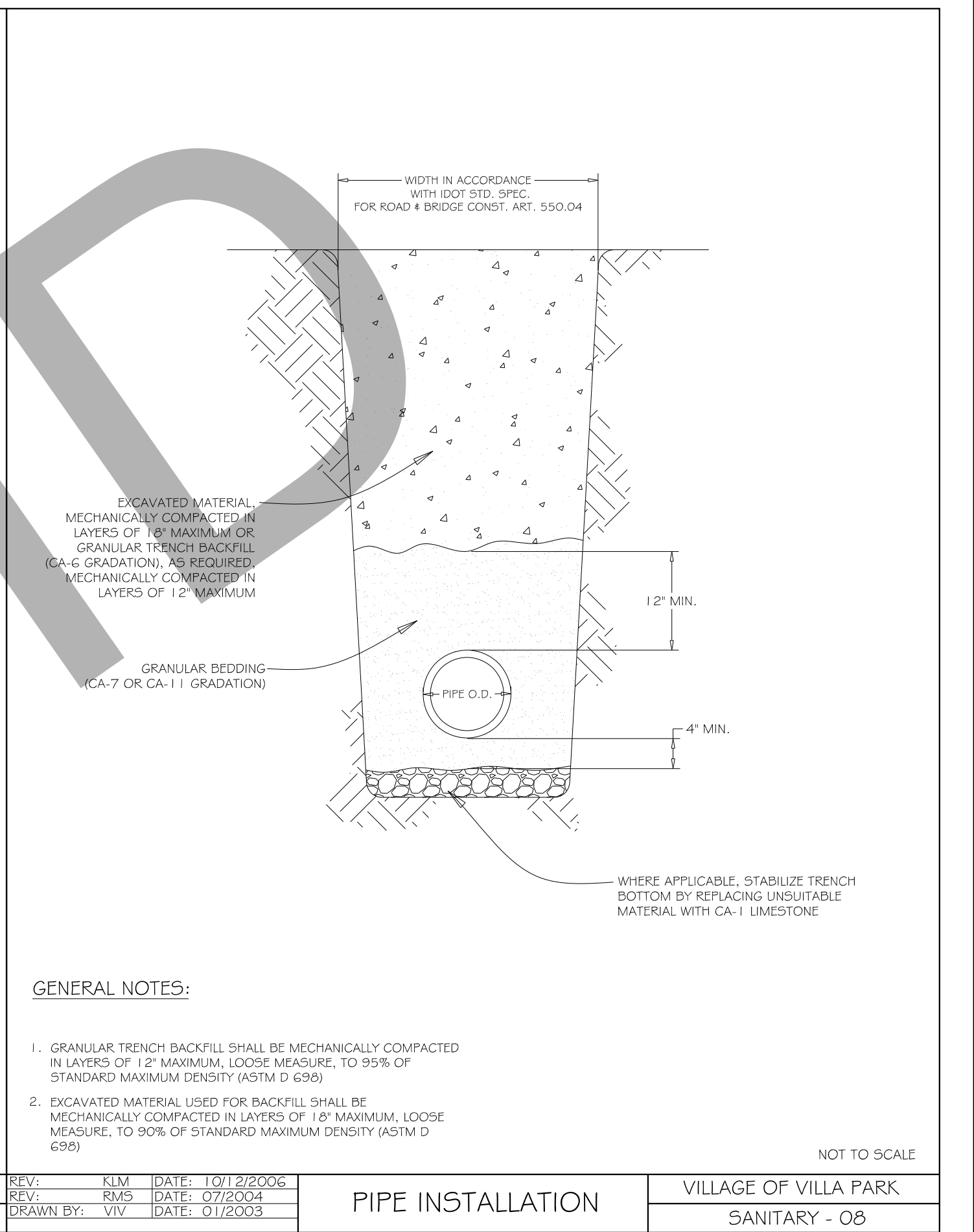
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	30
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



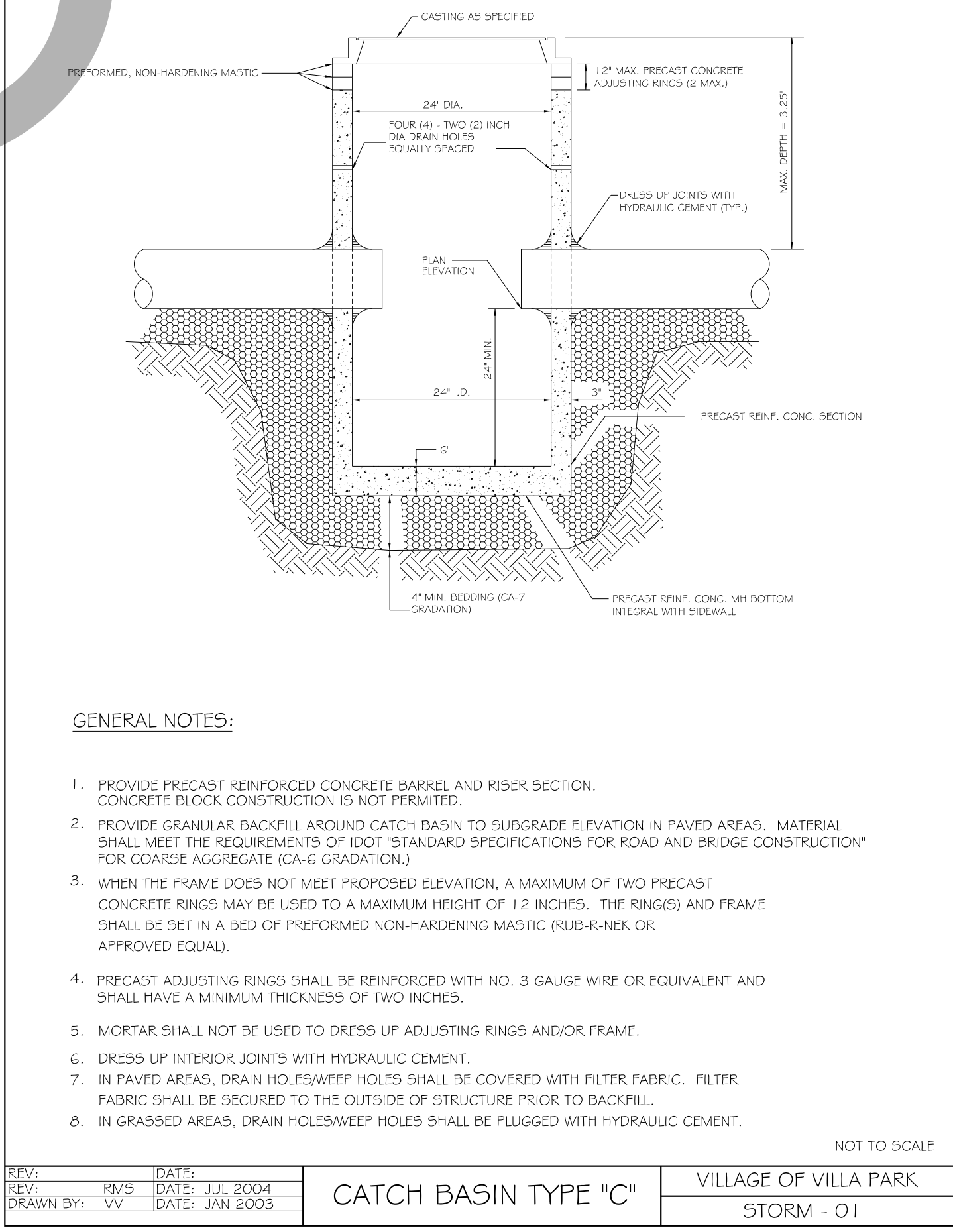
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REV: RMS DATE: JUL 2004		
DRAWN BY: VV DATE: JAN 2003		



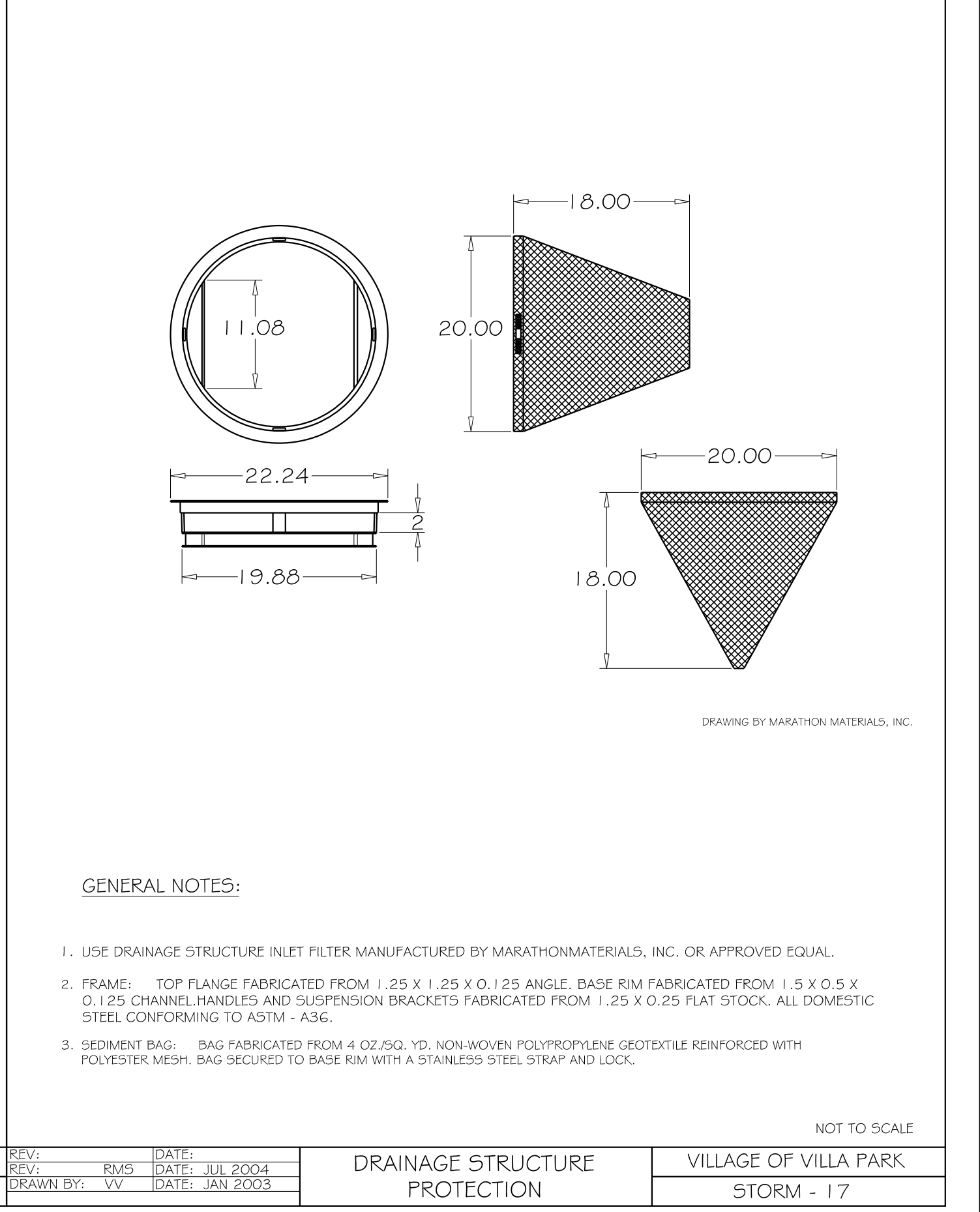
REV: RMS DATE: JUL 2004	SILT FENCE INSTALLATION	VILLAGE OF VILLA PARK ROAD - 11
REV: RMS DATE: JUL 2004		
DRAWN BY: VV DATE: JAN 2003		



REV: KLM DATE: 10/12/2006	PIPE INSTALLATION	VILLAGE OF VILLA PARK SANITARY - 08
REV: RMS DATE: 07/2004		
DRAWN BY: VV DATE: 01/2003		



REV: RMS DATE: JUL 2004	CATCH BASIN TYPE "C"	VILLAGE OF VILLA PARK STORM - 01
REV: RMS DATE: JUL 2004		
DRAWN BY: VV DATE: JAN 2003		



REV: RMS DATE: JUL 2004	DRAINAGE STRUCTURE PROTECTION	VILLAGE OF VILLA PARK STORM - 17
REV: RMS DATE: JUL 2004		
DRAWN BY: VV DATE: JAN 2003		

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DATE - 06/05/15	FILE - 150215SHT-Misc Details.dgn

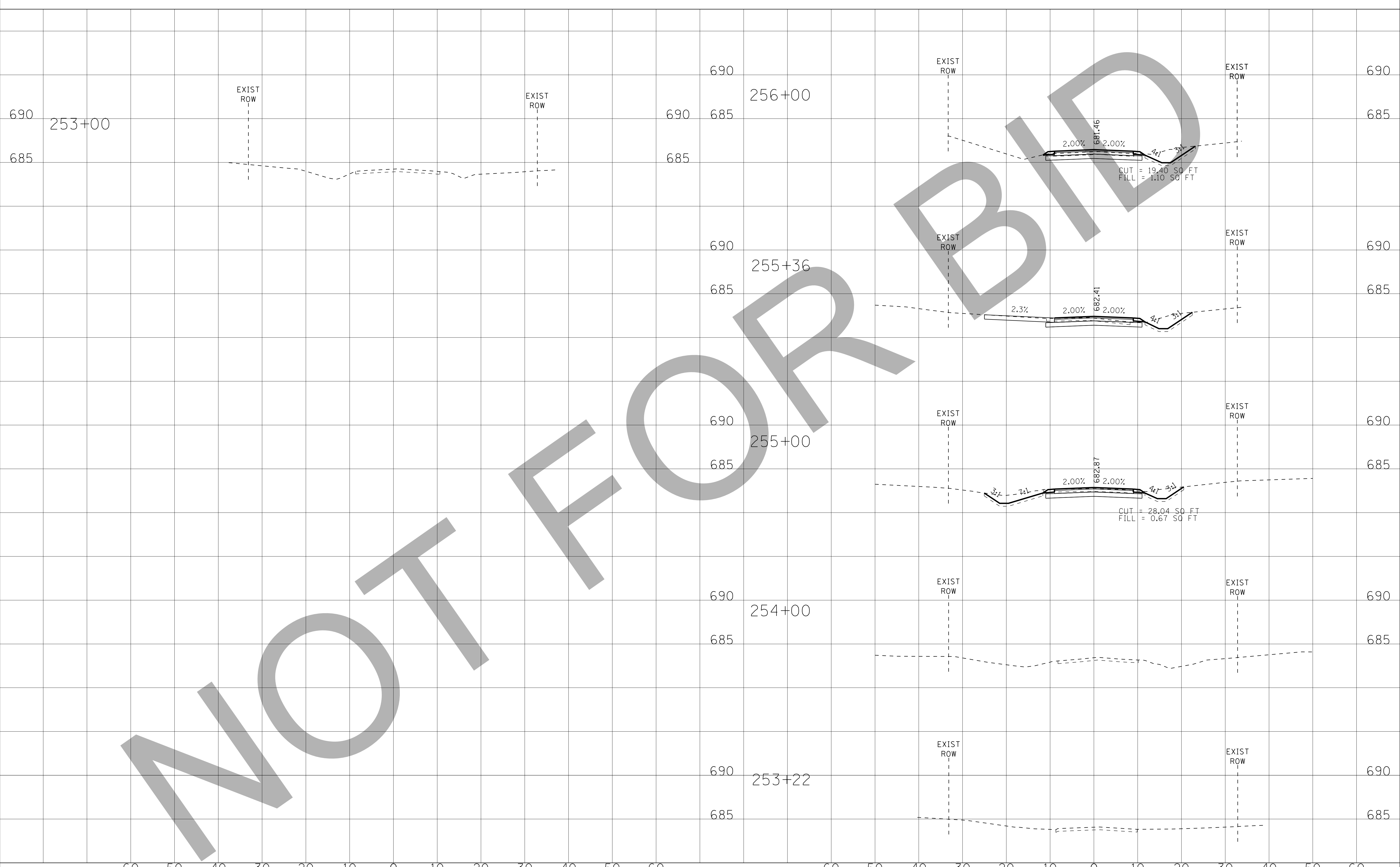
**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

MISCELLANEOUS DETAILS

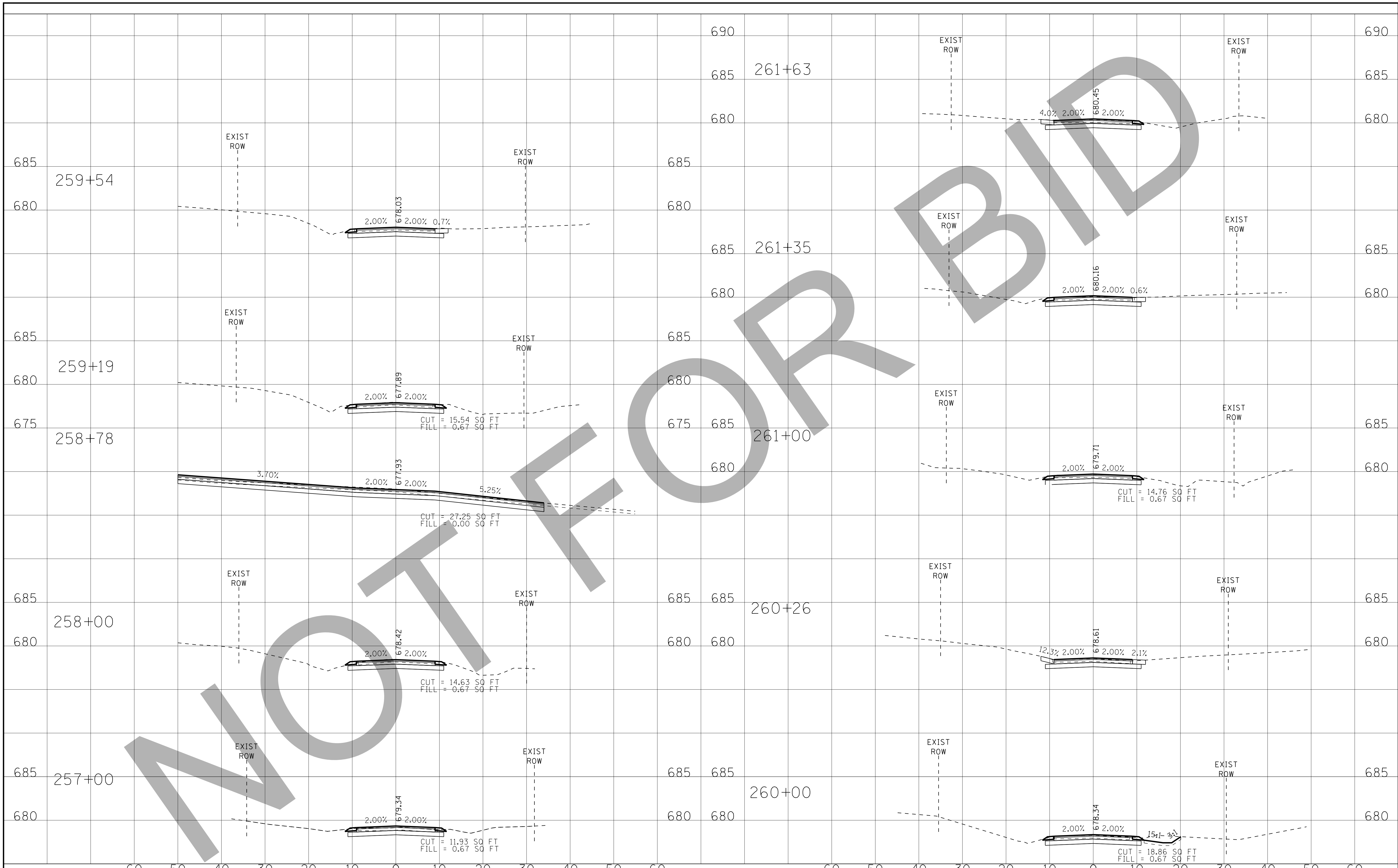
SCALE: STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DuPAGE	38	31
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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	DESIGNED - AMW	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS TWIN LAKES STREET IMPROVEMENTS	CROSS SECTIONS W BELDEN AVENUE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - KAR	REVISED -							38	34
	CHECKED - TMS	REVISED -							CONTRACT NO.	
	DATE - 06/05/15	REVISED -				SCALE: H: 1"=10' V: 1"=5'		STA. 251+00 TO STA. 256+00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



DESIGNED - AMW
 DRAWN - KAR
 CHECKED - TMS
 DATE - 06/05/15

REVISED -
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 REVISED -
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**VILLAGE OF VILLA PARK, ILLINOIS
 TWIN LAKES STREET IMPROVEMENTS**

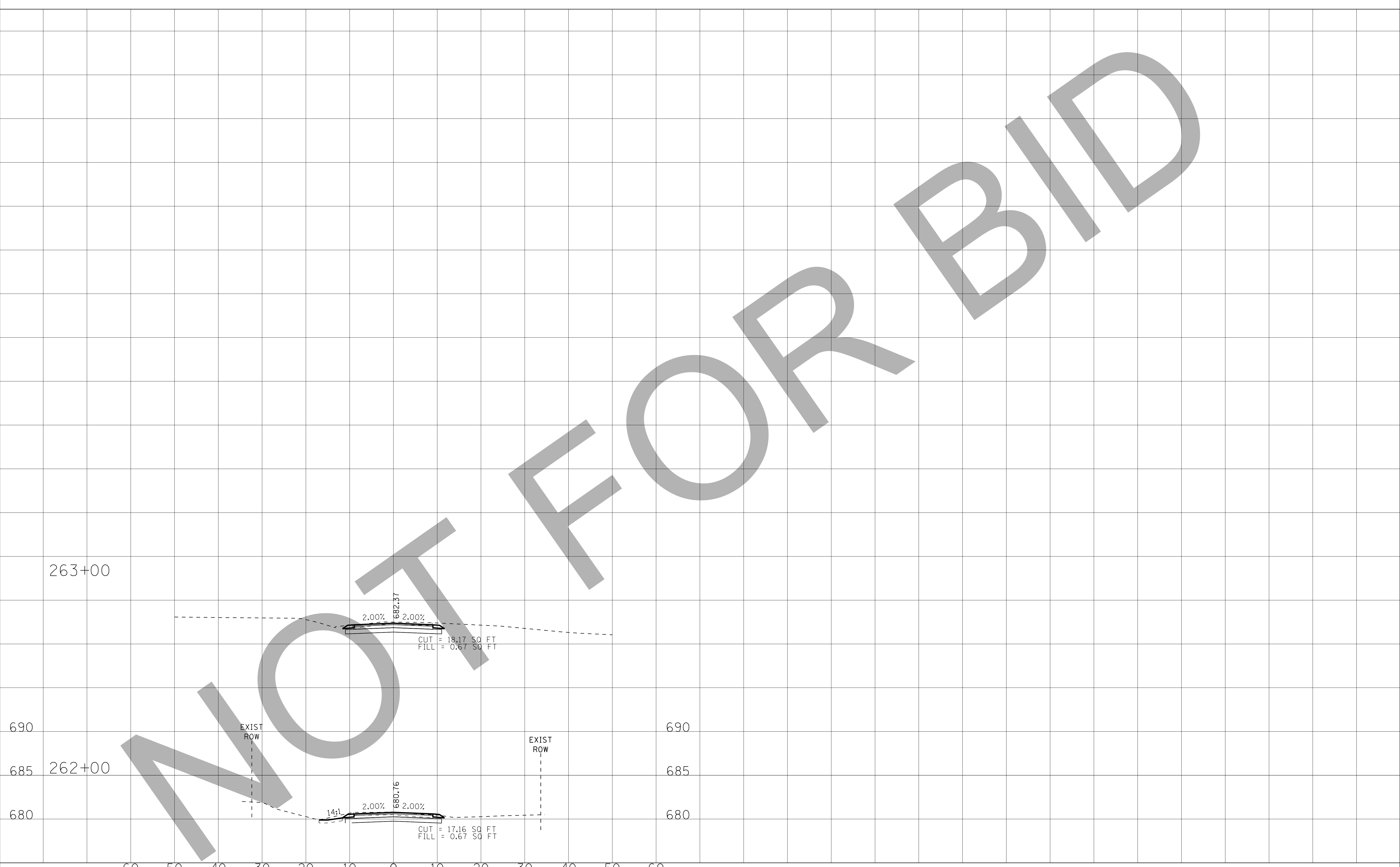
**CROSS SECTIONS
 W BELDEN AVENUE**

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

STA. 257+00 TO STA. 261+63

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	35
CONTRACT NO.		ILLINOIS FED. AID PROJECT		

NOT FOR BID



263+00

262+00

690

685

680

690

685

680

60 50 40 30 20 10 0 10 20 30 40 50 60



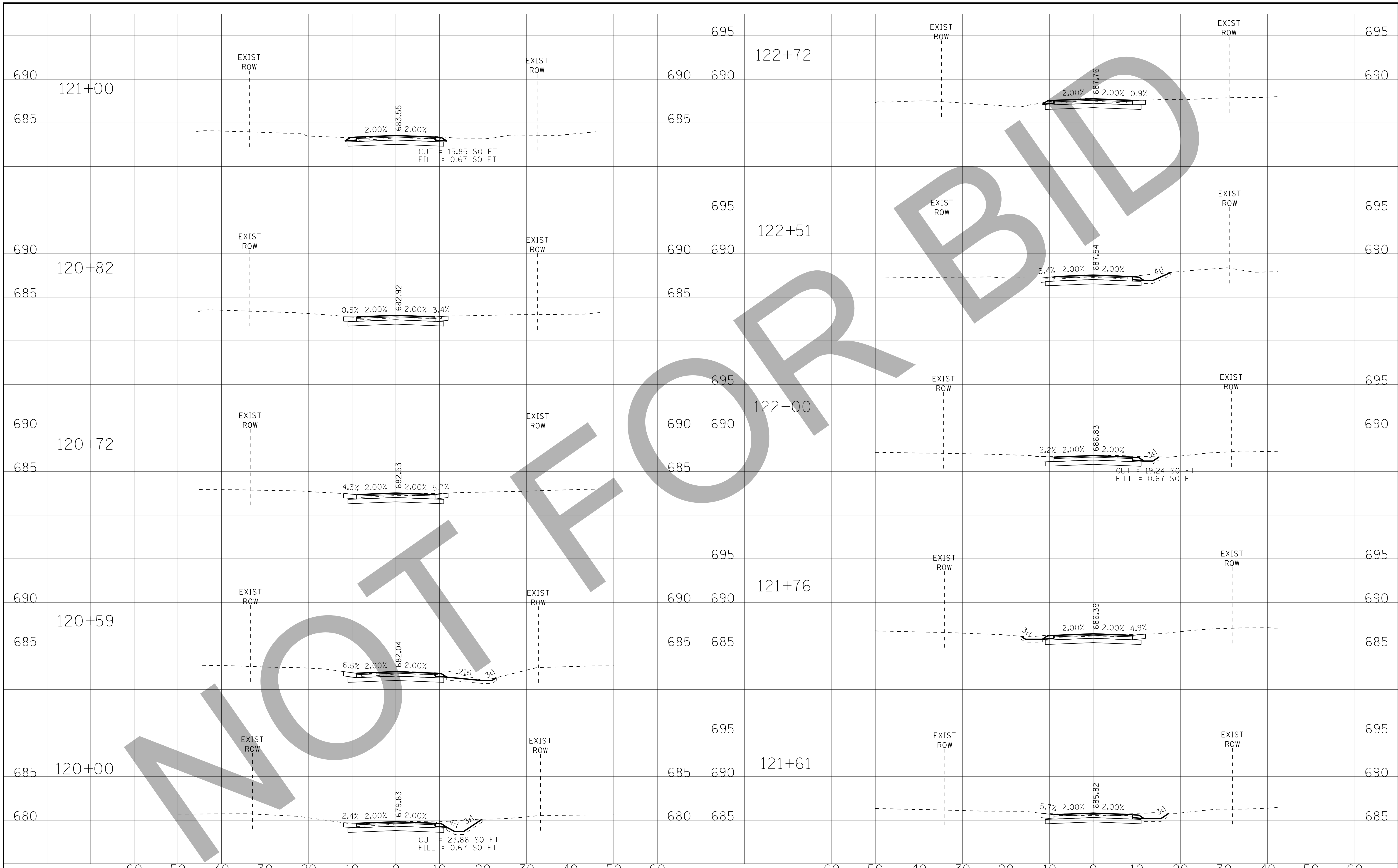
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CHECKED - TMS	REVISED -
DATE - 06/05/15	REVISED -

**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

**CROSS SECTIONS
W BELDEN AVENUE**

SCALE: H: 1"=10' V: 1"=5' STA. 262+00 TO STA. 263+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	36
CONTRACT NO.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DESIGNED - AMW	REVISED -
DRAWN - KAR	REVISED -
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DATE - 06/05/15	REVISED -

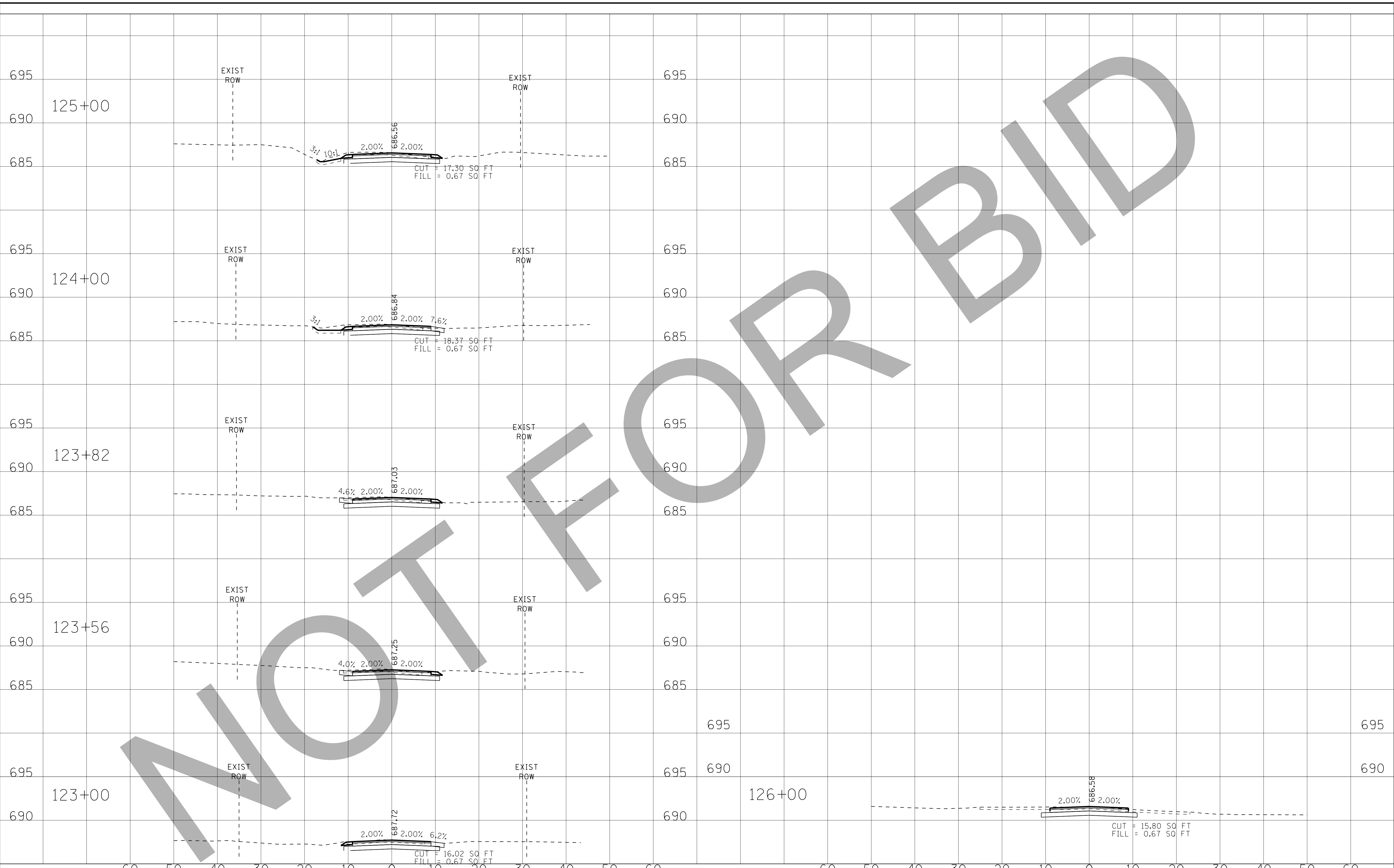
**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

**CROSS SECTIONS
N PRINCETON AVENUE**

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

STA. 120+00 TO STA. 122+72

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	37
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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BAXTER & WOODMAN
Consulting Engineers

DESIGNED -	XXX	REVISED -	
DRAWN -	AMW	REVISED -	
CHECKED -	KAR	REVISED -	
DATE -	06/05/15	REVISED -	

**VILLAGE OF VILLA PARK, ILLINOIS
TWIN LAKES STREET IMPROVEMENTS**

**CROSS SECTIONS
N PRINCETON AVENUE**

SCALE: H: 1"=10' V: 1"=5' STA. 123+00 TO STA. 126+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			38	38
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	