

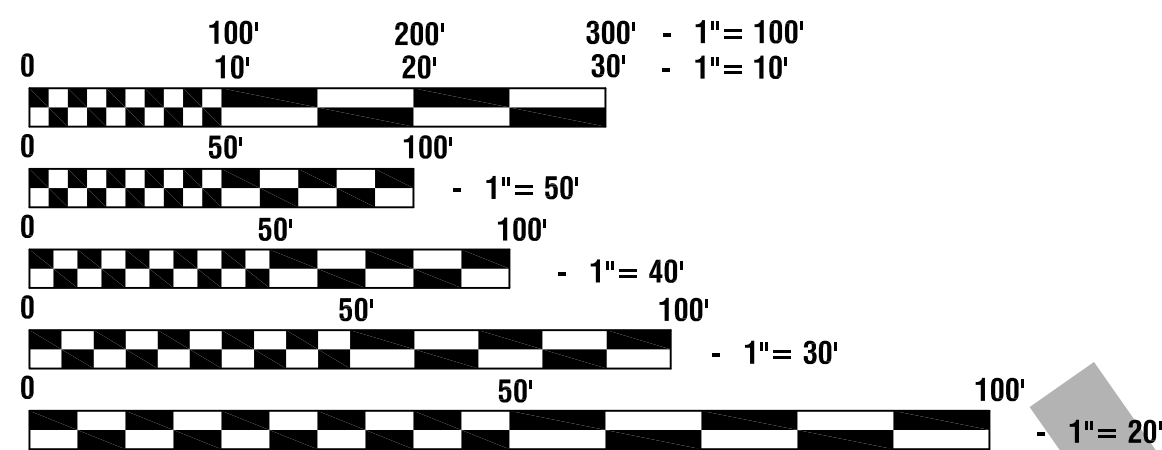
VILLAGE of VILLA PARK, ILLINOIS

PARK BOULEVARD RECONSTRUCTION

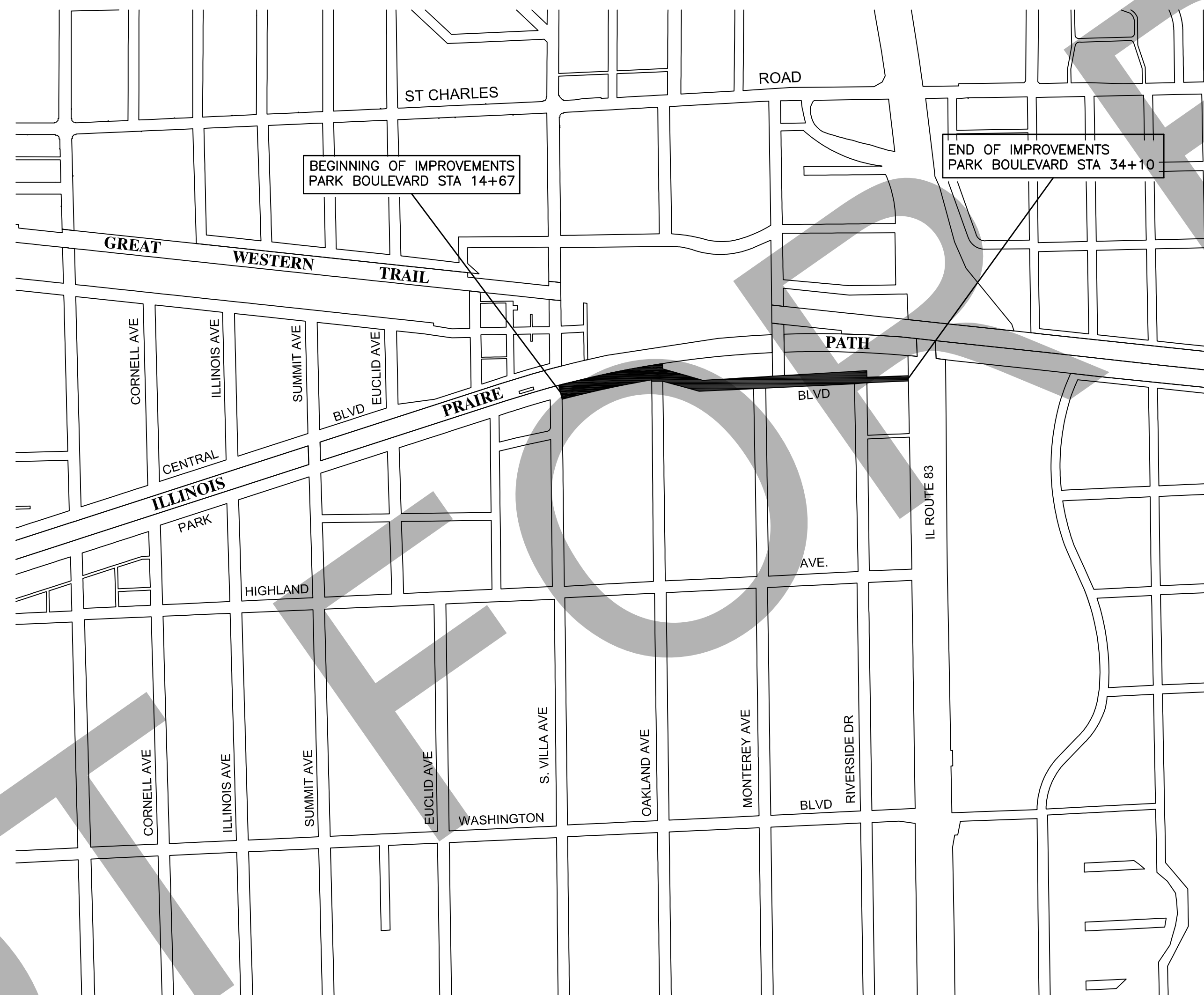
SYMBOL/LINE LEGEND

	TREE (SIZE AS NOTED)
	POWER POLE
	POWER POLE WITH ANCHOR
	WOOD LIGHT POLE
	ALUMINUM LIGHT POLE
	ELECTRIC CABINET
	LIGHT POLE
	HYDRANT
	WATER VALVE BOX
	WATER VALVE VAULT
	WATER SERVICE BOX
	MANHOLE
	CATCH BASIN
	INLET
	GAS MAIN
	WATER MAIN
	STORM SEWER
	SANITARY SEWER
	COMBINED SEWER
	OIL PIPELINE
	TELEPHONE LINE
	APPROXIMATE LOCATION OF SANITARY SERVICE LINE
	CHAINLINK FENCE

SCALES
 PLAN - 1"=20'
 PROFILE HORIZ. - 1"=20'
 PROFILE VERT. - 1"=5'
 CROSS SECTIONS - 1"=10'



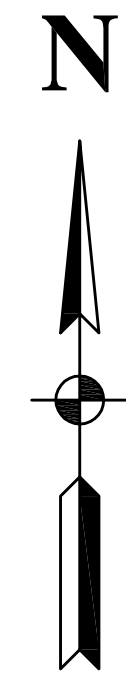
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



LOCATION MAP

— INDICATES PROPOSED IMPROVEMENT

GROSS LENGTH= 1,943 FEET = 0.37 MILES
 NET LENGTH= 1,943 FEET = 0.37 MILES



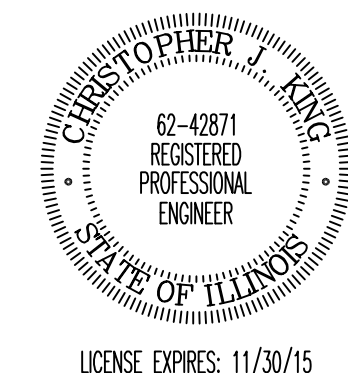
VILLAGE PRESIDENT DEBORAH BULLWINKEL	
VILLAGE CLERK HOSANNA KORYNECKY	
VILLAGE TRUSTEES	
CHRIS J. AIELLO	ROBERT TAGLIA
ALBERT BULTHUIS	ROBERT WAGNER
DONALD KASE	NICK CUZZONE

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PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

Chris A. AIELLO
10/01/15



CALL U.L.I.E. TOLL FREE
 1-800-892-0123
 48 hours before you dig
 (EXCLUDING SAT., SUN. & HOL.)
 Call

JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS

PREPARED BY:

Robinson
 ENGINEERING

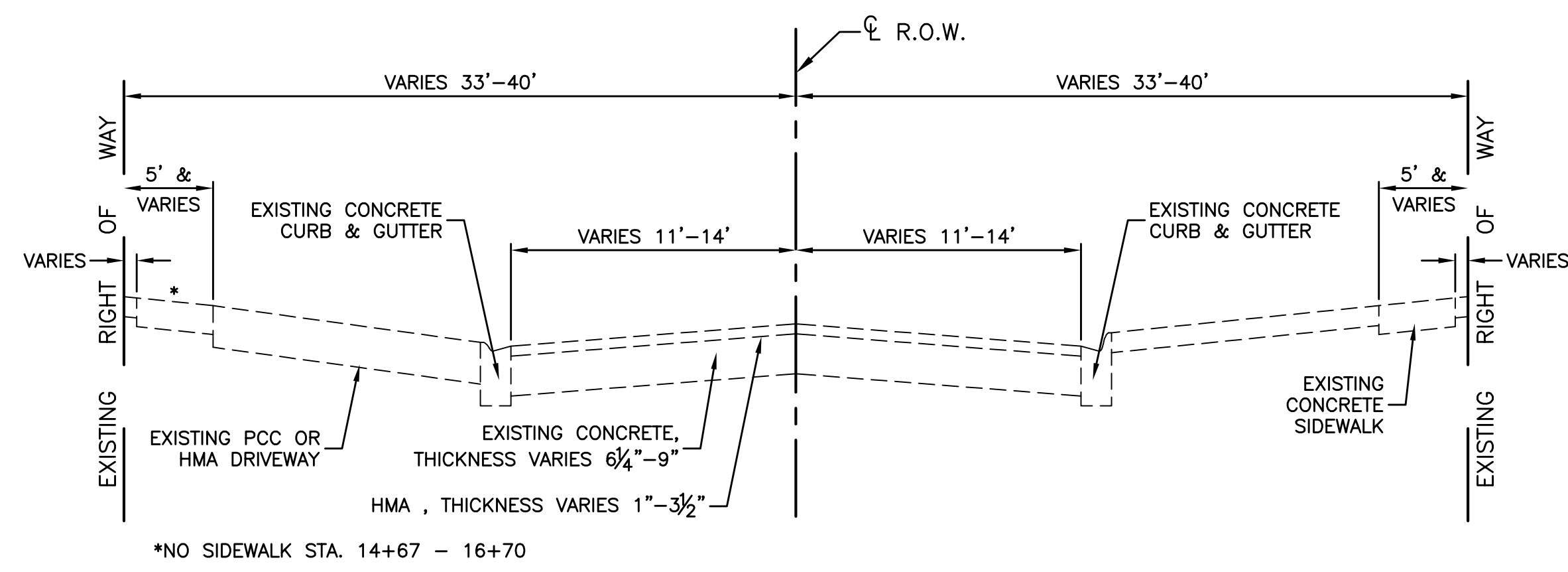
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PROJECT NO. 13-583

SHEET NO. 01 OF 36

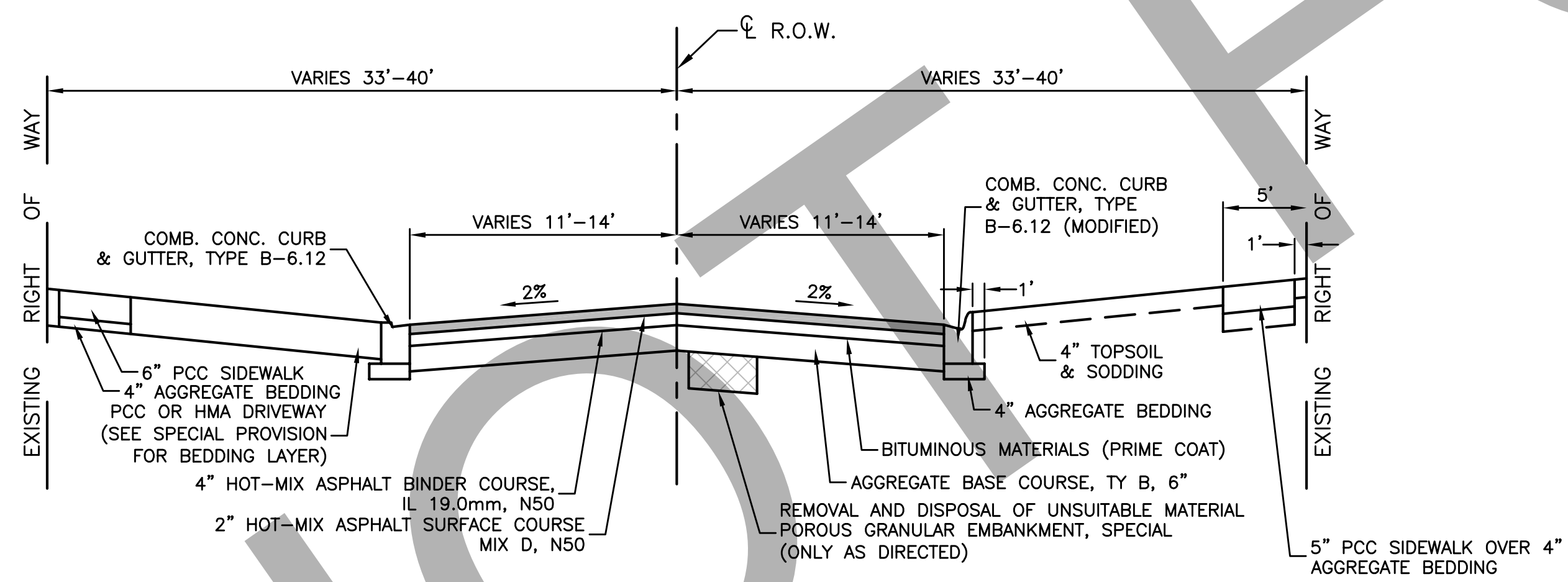
	S.P.	Item No.	Revised Pay Item	Unit	Total Quantity	Water Fund	Wastewater Fund	Sewer Separation Fund	Street Funding
Excavation		1	EARTH EXCAVATION	CU YD	2,049				2,049
		2	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	430				430
		3	PAVEMENT REMOVAL	SQ YD	5,627				5,627
		4	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3,750				3,750
		5	SIDEWALK REMOVAL	SQ FT	1,565				1,565
		6	DRIVEWAY PAVEMENT REMOVAL	SQ YD	813				813
Water Work									
	#	7	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	7	7			
	#	8	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 6 INCH	EACH	3	3			
	#	9	WATER VALVES, 6 INCH	EACH	8	8			
	#	10	VALVE BOX	EACH	4	4			
	#	11	VALVE VAULTS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4			
	#	12	VALVE BOXES TO BE REMOVED	EACH	3	3			
	#	13	FIRE HYDRANTS TO BE REMOVED	EACH	4	4			
		14	VALVE VAULTS TO BE ADJUSTED	EACH	1	1			
		15	VALVE BOXES TO BE ADJUSTED	EACH	1	1			
	#	16	WATER SERVICE LINE 1 INCH (SHORT)	EACH	15	15			
	#	17	WATER SERVICE LINE 1 INCH (LONG)	EACH	15	15			
	#	18	DOMESTIC WATER SERVICE BOXES	EACH	30	30			
	#	19	EXPLORATION TRENCH (WATER)	EACH	41	41			
	#	20	WATER MAIN TO BE ADJUSTED 6"	FOOT	25	25			
	#	21	WATER SERVICE ADJUSTMENT	EACH	39	39			
Landscaping									
	#	22	SODDING, SPECIAL	SQ YD	4,950				4,950
	#	23	SEEDING, SPECIAL	SQ YD	235				235
		24	TOPSOIL FURNISH AND PLACE, 4 INCH	SQ YD	4,680				4,680
		25	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	40				40
		26	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	71				71
		27	TREE ROOT PRUNING	EACH	47				47
	#	28	TREE PRUNING (ALL SIZES)	EACH	47				47
		29	TREE TRUNK PROTECTION	EACH	47				47
		30	SUPPLEMENTAL WATERING	UNIT	30				30
Roadway									
		31	PERIMETER EROSION BARRIER	FOOT	4,000				4,000
	#	32	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	430				430
		33	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	999				999
	#	34	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	130				130
		35	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,324				1,324
		36	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	662				662
	#	37	BITUMINOUS MATERIALS (PRIME COAT)	POUND	15,056				15,056
		38	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	5,928				5,928
	#	39	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6 INCH, RESIDENTIAL	SQ YD	375				375
	#	40	INCIDENTAL HOT-MIX ASPHALT SURFACING, RESIDENTIAL	SQ YD	515				515
	#	41	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,790				1,790
	#	42	DETECTABLE WARNINGS	SQ FT	160				160
	#	43	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	4,023				4,023
		44	CONCRETE CURB, TYPE B	FOOT	180				180
	#	45	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	30				30
	#	46	TEMPORARY ACCESS (COMMERCIAL)	EACH	1				1
	#	47	TEMPORARY ACCESS (ROAD)	EACH	5				5
		48	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	150				150
		49	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	212				212
		50	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	98				98

	#	51	RELOCATE EXISTING CONCRETE WHEEL STOPS	EACH	12				12
	#	52	FENCE REMOVAL AND REPLACEMENT	FOOT	40				40
		53	PROTECTIVE COAT	SQ YD	1,297				1,297
Utility Work									
		54	TEMPORARY FENCE	FOOT	250				250
	#	55	INLET FILTERS	EACH	24				24
		56	STORM SEWER REMOVAL, 8 INCH	FOOT	115				115
		57	STORM SEWER REMOVAL, 6 INCH	FOOT	35				35
		58	TRENCH BACKFILL	CU YD	1,269		65		1,204
		59	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	280				280
		60	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	378				378
		61	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	96				96
		62	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	512				512
		63	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	780				780
		64	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	47				47
		65	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	199				199
	#	66	STORM SEWERS, PVC, SDR 26 6"	FOOT	50				50
	#	67	DUCTILE IRON SANITARY SEWER 6"	FOOT	50		50		
		68	STORM SEWERS JACKED IN PLACE 36"	FOOT	128				128
	#	69	PIPE UNDERDRAINS, FABRIC LINED TRENCH 6"	FOOT	120				120
		70	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1				1
		71	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	3				3
		72	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	10				10
		73	CATCH BASINS, TYPE A, 4'-DIA., TYPE 11 FRAME AND GRATE	EACH	3				3
	#	74	CATCH BASINS, TYPE A, 5'-DIA., ALTERNATE FRAME AND GRATE	EACH	2				2
		75	CATCH BASINS, TYPE A, 6'-DIA., TYPE 1 FRAME, OPEN LID	EACH	1				1
		76	CATCH BASINS, TYPE A, 6'-DIA., TYPE 11 FRAME AND GRATE	EACH	1				1
		77	MANHOLES, TYPE A, 4'-DIA., TYPE 1 FRAME, CLOSED LID	EACH	2				2
		78	MANHOLES, TYPE A, 5'-DIA., TYPE 1 FRAME, CLOSED LID	EACH	8				8
	#	79	MANHOLES, TYPE A, 5'-DIA., TYPE 1 FRAME, CLOSED LID (SANITARY)	EACH	5		5		
		80	MANHOLES, TYPE A, 6'-DIA., TYPE 1 FRAME, CLOSED LID	EACH	1				1
		81	MANHOLES, TYPE A, 6'-DIA., TYPE 11 FRAME AND GRATE	EACH	1				1
	#	82	MANHOLES, TYPE A, 7'-DIA., TYPE 1 FRAME, CLOSED LID, SPECIAL	L SUM	1		1		
	#	83	JUNCTION CHAMBER NO. 1	L SUM	1		1		
		84	MANHOLES TO BE ADJUSTED	EACH	20				20
		85	MANHOLES TO BE RECONSTRUCTED	EACH	5		5		
		86	REMOVING INLETS	EACH	12				12
		87	REMOVING CATCH BASINS	EACH	6				6
		88	REMOVING MANHOLES	EACH	1		1		
	#	89	SANITARY SERVICE LINES TO BE ADJUSTED	FOOT	300		300		
	#	90	CONCRETE COLLAR SPECIAL	EACH	5		5		
	#	91	EXPLORATION TRENCH	EACH	5		5		
	#	92	EXPLORATION EXCAVATION - JUNCTION CHAMBER	L SUM	1		1		
	#	93	FRAMES AND LIDS	EACH	20		10	10	
MISC									
	#	94	CONTINGENCY ALLOWANCE	DOLLAR	50,000				25,000 25,000
	#	95	PRECONSTRUCTION VIDEO RECORDING	L SUM	1				1.00
	#	96	CONSTRUCTION LAYOUT	L SUM	1				1.00
	#	97	TRAFFIC CONTROL AND PROTECTION	L SUM	1				1

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(708) 331-6700 FAX (708) 331-3828			
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PARK BOULEVARD RECONSTRUCTION			
PARK BOULEVARD			
SUMMARY OF QUANTITIES			
VILLA PARK, ILLINOIS			
Drawn by: K.W.M.	Date: 09-16-15		
Checked by: C.J.K.	Scale: NA		
Sheet 02 of 36	Project No. 13-583		



TYPICAL EXISTING CROSS SECTION
(NOT TO SCALE)



TYPICAL PROPOSED CROSS SECTION
(NOT TO SCALE)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIX TYPE	DESIGN AIR VOIDS	QUALITY MANAGEMENT PROGRAM (QMP)
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"	4% AT 50 GYRATIONS	QC/QA
HOT MIX ASPHALT BINDER COURSE, (IL 19.0mm), N50, 4"	4% AT 50 GYRATIONS	QC/QA
HMA DRIVEWAYS (HMA SURFACE COURSE, MIX D, N50, IL 9.5mm), 4" RESIDENTIAL	4% AT 50 GYRATIONS	QC/QA

NOTE:
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUANTITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

GENERAL STAGING NOTES

1. INSTALL STORM SEWER ALONG ENTIRE LENGTH. MAINLINE SEWER WITHIN PAVEMENT AND LATERAL CROSSINGS TO BE MAINTAINED WITH TEMPORARY AGGREGATE.
2. EXCAVATE FOR ROADWAY AND CURB & GUTTER. EXCAVATION IN PROPOSED PAVEMENT AREA TO BE LIMITED TO BOTTOM OF EXISTING CONCRETE PAVEMENT.
3. POUR PROPOSED CURB & GUTTER
4. COMPLETE FINAL EXCAVATION AND CONSTRUCT ROADWAY, LESS SURFACE COURSE
5. CONSTRUCT DRIVEWAYS AND SIDEWALKS
6. PLACE TOPSOIL
7. PLACE HMA SURFACE COURSE
8. PLACE SODDING

ROBINSON ENGINEERING, LTD. CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473 (708) 331-6700 FAX (708) 331-3826 © COPYRIGHT 2014 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128		REVISIONS No. Date Remarks	
PARK BOULEVARD RECONSTRUCTION PARK BOULEVARD TYPICAL CROSS SECTIONS			
VILLA PARK, ILLINOIS			
Drawn by:	K.W.M.	Date:	09-16-15
Checked by:	C.J.K.	Scale:	NA
Sheet	03 of 36	Project No.	13-583

1. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
2. THE COST FOR REMOVING HEADWALLS, CULVERTS, DRIVEWAYS (REGARDLESS OF ITS TYPE), CURBS, PAVEMENT, ETC., IF NOT SPECIFICALLY INDICATED BY A PAY ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID PER CU. YD. FOR EARTH EXCAVATION.
3. THE REMOVAL OF ANY DRIVEWAYS, PAVEMENT, CURB, SIDEWALK, ETC., SHALL BE ACCOMPLISHED BY MEANS OF A SAW CUT JOINT, AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS.
4. THE PROPOSED SIDEWALK SHALL BE 5 INCHES THICK UNLESS OTHERWISE SPECIFIED IN THE PLANS AND SUPPORTED WITH 4" AGGREGATE BASE COURSE, TYPE B. (AGGREGATE BASE COURSE IS INCIDENTAL TO THE SIDEWALK).
5. ALL EXISTING TIMBER CURBS ADJACENT TO THE ROADWAY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SUCH WORK IS INCIDENTAL TO THE EARTH EXCAVATION.
6. WHEREVER AGGREGATE BASE COURSE OR AGGREGATE SHOULDERS ARE SPECIFIED, EITHER CRUSHED LIMESTONE OR CRUSHED CONCRETE SHALL BE USED.
7. ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES WHICH ARE NOT SPECIFICALLY INDICATED IN THE PLANS SHALL BE PERFORMED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
8. THE APPROXIMATE LOCATION OF KNOWN PUBLIC UTILITIES ARE SHOWN ON THE PLANS. HOWEVER, THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. PRIOR TO COMMENCING OPERATIONS ON THE PROJECT WHICH MAY IN ANY WAY CREATE THE POSSIBILITY OF INVOLVEMENT WITH EXISTING UTILITIES, ADJUSTMENT OF ALL PUBLIC UTILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT WILL BE DONE BY THE RESPECTIVE OWNERS, WITH THE EXCEPTION OF THOSE OWNED BY THE VILLAGE OF VILLA PARK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCE CAUSED BY THESE ADJUSTMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATION BEFORE STARTING CONSTRUCTION OPERATIONS.
9. ALL DIMENSIONS SHOWN ARE FROM THE CENTER LINE OF CONSTRUCTION UNLESS OTHERWISE SHOWN. ALL RADII ARE FROM THE EDGE OF PAVEMENT.
10. THE CONTRACTOR SHALL PROTECT ALL TREES WITHIN AND ADJACENT TO THE CONSTRUCTION SITE DURING THE CLEARING AND SUBSEQUENT CONSTRUCTION OPERATION IN ACCORDANCE WITH SECTION 201 OF THE STANDARD SPECIFICATIONS. THOSE TREES TO BE REMOVED AS SHOWN IN THE PLANS SHALL BE DONE IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS.
11. EXISTING TRAFFIC SIGNS WHICH CONFLICT WITH CONTRACTOR'S OPERATIONS SHALL BE REMOVED AND STORED BY CONTRACTOR AT A SAFE AND SECURE LOCATION UNTIL ENGINEER DEEMS IT DESIRABLE TO HAVE THEM REINSTALLED. THE CONTRACTOR SHALL REINSTALL THESE SIGNS AT LOCATIONS DIRECTED BY THE ENGINEER. THE EXCEPTION TO THIS SHALL BE STOP SIGNS, WHICH SHALL REMAIN IN PLACE. THE CONTRACTOR SHALL MAINTAIN AND/OR RELOCATE AS NECESSARY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
12. ACCESS TO AND FROM THE CONSTRUCTION SITES SHALL, WHENEVER POSSIBLE, UTILIZE VILLA AVENUE AS THE MAIN ROUTE. CONSTRUCTION TRAFFIC SHALL BE PROHIBITED FROM USING THE RESIDENTIAL STREETS FOR ACCESS TO AND FROM THE JOBSITE. ONLY EMPTY LOADS WILL BE ALLOWED EGRESS ON ROADWAYS OTHER THAN VILLA AVENUE.

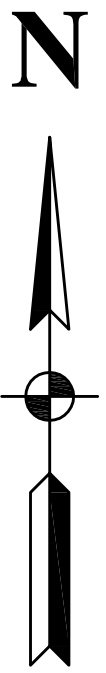
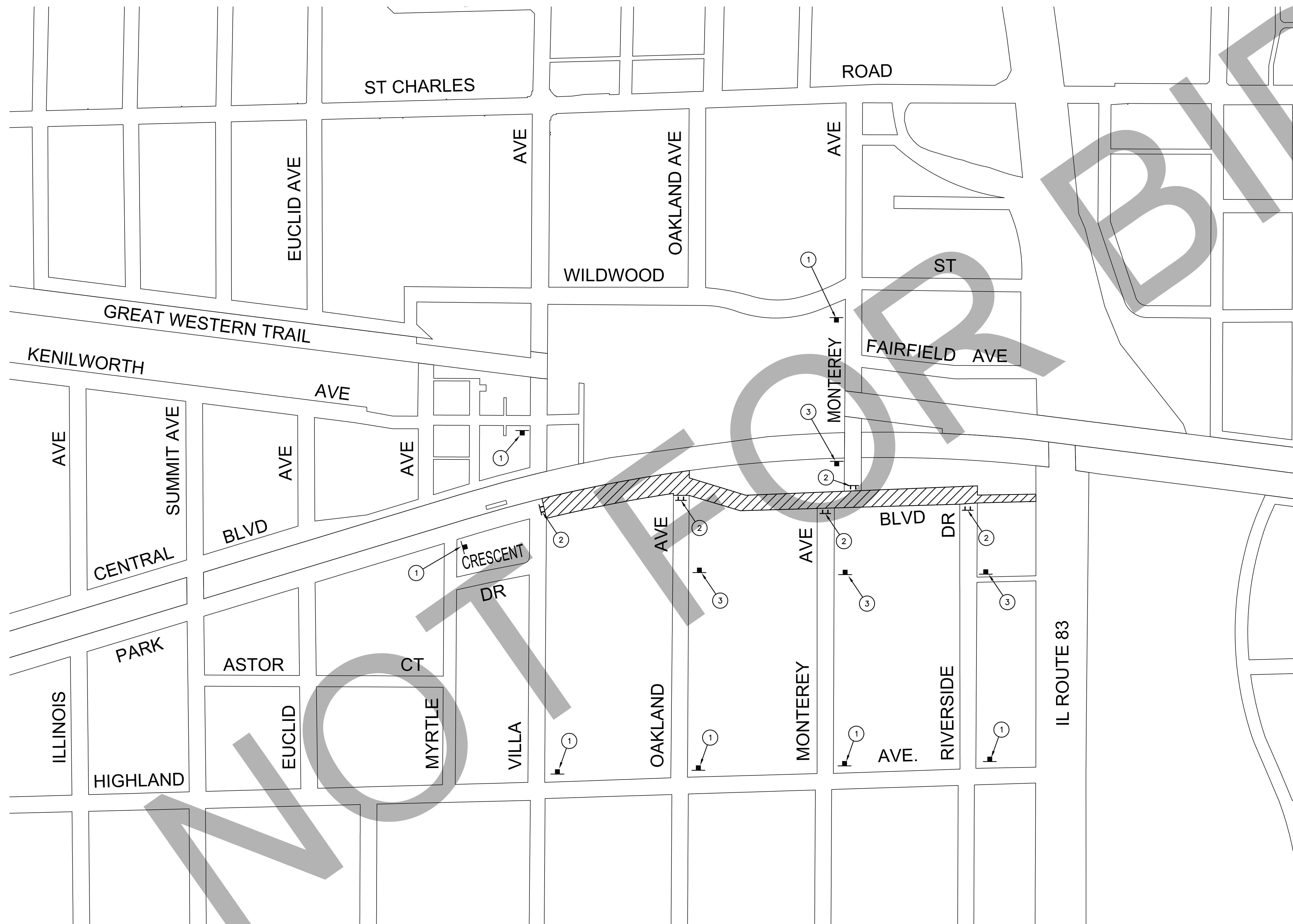
13. 5' TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
14. CONTRACTOR WILL PROVIDE DEPRESSED CURB AT ALL DRIVEWAY ENTRANCES, SIDEWALK CURB RAMPS, AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.
15. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND WITH THE EXCEPTION THAT EXISTING AGGREGATE DRIVEWAYS WILL BE REPLACED WITH HOT-MIX ASPHALT.
16. EXISTING SERVICE WALKS ARE TO BE REMOVED AND NOT REPLACED UNLESS DIRECTED OTHERWISE BY THE ENGINEER THRU CONSULTATION WITH VILLA PARK.
17. DECORATIVE STONE, ROCKS, LIGHTS, ETC., WILL BE REMOVED, IF INTERFERING WITH THE PROPOSED WORK. CONTRACTOR IS TO REMOVE, STORE ON PROPERTY AND INQUIRE AS TO THE OWNER'S INTENTION OF KEEPING SAME. ANY UNUSABLE ITEMS SHALL BE HAULED AWAY WITH THE REMAINDER OF THE EXCAVATION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION.
18. ALL EXCAVATED MATERIALS, INCLUDING BUT NOT LIMITED TO, EARTH, PIPE CULVERTS, CONCRETE AND STRUCTURES SHALL BE DISPOSED OF OFFSITE THE SAME DAY AS REMOVAL.
19. ALL STORM SEWERS AND PIPE CULVERTS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STATE SPECIFICATIONS FOR REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE AASHTO DESIGNATION M170 (ASTM DESIGNATION C76), WITH A MINIMUM OF CLASS III.
20. STORM SEWERS SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
21. IF ANY MATERIAL IS DEPOSITED IN PIPES, STRUCTURES, DITCHES, OR GUTTERS SO THAT THE FLOW OF WATER IS OBSTRUCTED, THAT MATERIAL SHALL BE REMOVED BY THE CONTRACTOR IMMEDIATELY AT CONTRACTOR'S EXPENSE. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
22. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY SEWER CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
23. ALL FRAMES, LIDS AND OTHER CASTINGS WHICH ARE NOT TO BE REUSED WILL REMAIN THE PROPERTY OF OWNER UNLESS REFUSED BY OWNER, IN WHICH CASE THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSAL.
24. DOWELED EXPANSION JOINTS SHALL BE PLACED 5' ON EITHER SIDE OF ALL CURBED DRAINAGE STRUCTURES.
25. ALL BENDS, TEES, WYES IF NEEDED DUE TO UNEXPECTED CONFLICTS AND APPROVED BY THE VILLAGE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE PER FOOT OF RESPECTIVE SIZE SEWER.
26. RUBBER GASKETS ARE TO BE USED ON ALL CIRCULAR STORMS SEWERS AND SHALL CONFORM TO ARTICLE 1056 OF THE STANDARD AND SUPPLEMENTAL SPECIFICATIONS. IF THE STORM SEWER IS WITHIN 10' OF ANY WATERMAIN, THE GASKET SHALL BE A TYLOX TYPE C GASKET FOR WATER TIGHT JOINTS. THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID PER FOOT FOR STORM SEWER OF SPECIFIED SIZE.

27. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL PIPE OPENINGS ARE FORMED IN THE CORRECT LOCATIONS AND OF THE CORRECT SIZE SO THAT ADDITIONAL CUTTING OF THE PRECAST STRUCTURE IS NOT NECESSARY. ALL ELEVATIONS ON PROPOSED STRUCTURES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING OF ANY STRUCTURES. NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR THE CORING OF ANY STRUCTURES AND/OR RESTOCKING FEES.
28. THE TOP OF ALL STRUCTURES SHALL BE FLUSH WITH THE ADJACENT SURFACE AND AT THE INDICATED ELEVATIONS SHOWN ON THE PLANS.
29. FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.
30. DIRECT CONNECTIONS OF PROPOSED STORM SEWERS WILL BY KOR-N-TEE CONNECTION ONLY AND THE WORK AND MATERIALS WILL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER BEING CONNECTED.
31. ANY GEOTECHNICAL INFORMATION PROVIDED IS FOR INFORMATIONAL PURPOSES ONLY AND IN NO WAY GUARANTEES CONDITIONS WHICH WILL BE ENCOUNTERED IN THE FIELD.
32. THE THICKNESS OF THE GUTTER FLAG OF ALL PROPOSED COMBINATION CONCRETE CURB AND GUTTER SHALL BE A MINIMUM OF 10 INCHES.
33. CA-6 WILL BE ALLOWED FOR TRENCH BACKFILL.
34. ADDITIONAL 5' DIAMETER MANHOLES HAVE BEEN ADDED TO THE CONTRACT. IF EXISTING SANITARY SERVICES ARE UNABLE TO BE ADJUSTED, THESE MANHOLES WILL SERVE AS CONFLICT MANHOLES AND HAVE THE SERVICE RUN THROUGH THEM.
35. PROPERTY LINES SHOWN ARE APPROXIMATE BASED ON VILLA PARK G.I.S. AND ARE NOT TO BE RELIED UPON.
36. THE PROPOSED CURB AND GUTTER SHALL BE SUPPORTED ON A 4" AGGREGATE BASE COURSE, TYPE B WHICH WILL EXTEND 12" BEYOND THE BACK OF THE CURB. THE BASE COURSE SHALL BE INCIDENTAL TO THE CURB AND GUTTER.
37. WATER SYSTEM IMPROVEMENT STAGING NOTES




A PORTION OF THE PROPOSED WATER SYSTEM IMPROVEMENT WILL REQUIRE SHUTTING OFF THE WATER SERVICE TO THE MONTESSORI CHILDREN'S ACADEMY. THIS PORTION OF THE WORK WILL HAVE TO TAKE PLACE ON A SATURDAY WHEN SCHOOL IS NOT IN SESSION AND IS TO PRECEDE ANY OTHER WATER SYSTEM IMPROVEMENTS. THIS WORK IS AS FOLLOWS AND SHALL BE DONE IN THIS ORDER:

 1. INSTALL THE NEW VALVE AT THE SOUTHWEST CORNER OF PARK BLVD AND RIVERSIDE DRIVE (THIS VALVE WILL ALLOW FOR OTHER WORK TO TAKE PLACE WHILE KEEPING WATER ACCESS TO THE SCHOOL).
 2. REPLACEMENT OF THE EXITING WATER VALVES AT THE SOUTHEAST CORNER OF PARK BLVD AND RIVERSIDE DRIVE (2 VALVES).
 3. REPLACEMENT HYDRANTS EAST OF RIVERSIDE DRIVE (2 HYDRANTS).
 4. SHUT-OFF FOR THE INSTALLATION OF THE REPLACEMENT VALVES SHALL BE COMPLETED WITH THE MINIMAL AMOUNT OF DISRUPTION TO THE WATER SYSTEM. THE CONTRACTOR SHALL SUBMIT HIS OPERATIONAL STAGING PLAN FOR EACH LOCATION TO THE VILLAGE FOR APPROVAL PRIOR TO ANY SHUT DOWN.
38. THE TOP MOST ADJUSTING RING ON ALL NEW STRUCTURES, ALL STRUCTURES TO BE RECONSTRUCTED, AND ALL STRUCTURES BEING ADJUSTED SHALL BE A RUBBER COMPOSITE ADJUSTING RING WITH A MINIMUM THICKNESS OF 1 INCH. TAPERED ADJUSTING RINGS SHALL BE USED WHERE NECESSARY TO MATCH THE PROFILE OF THE PAVEMENT.

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		No.	Date	Remarks
PARK BOULEVARD RECONSTRUCTION PARK BOULEVARD GENERAL NOTES				
VILLA PARK, ILLINOIS				
Drawn by:	K.W.M.	Date:	09-16-15	
Checked by:	C.J.K.	Scale:	NA	
Sheet	04 of 36	Project No.	13-583	



LEGEND

-  SIGN, POST-MOUNTED, PER ARTICLE 701.14 OF THE STANDARD SPECIFICATIONS.
-  TYPE III BARRICADE
-  CONSTRUCTION AREA UNDER TRAFFIC

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**PARK BOULEVARD RECONSTRUCTION
 PARK BOULEVARD
 TRAFFIC CONTROL PLAN**

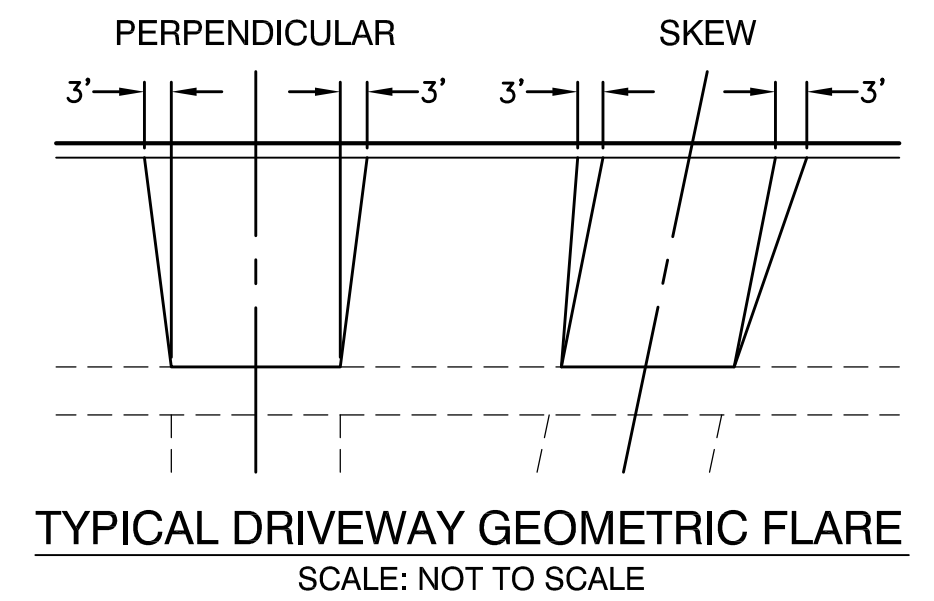
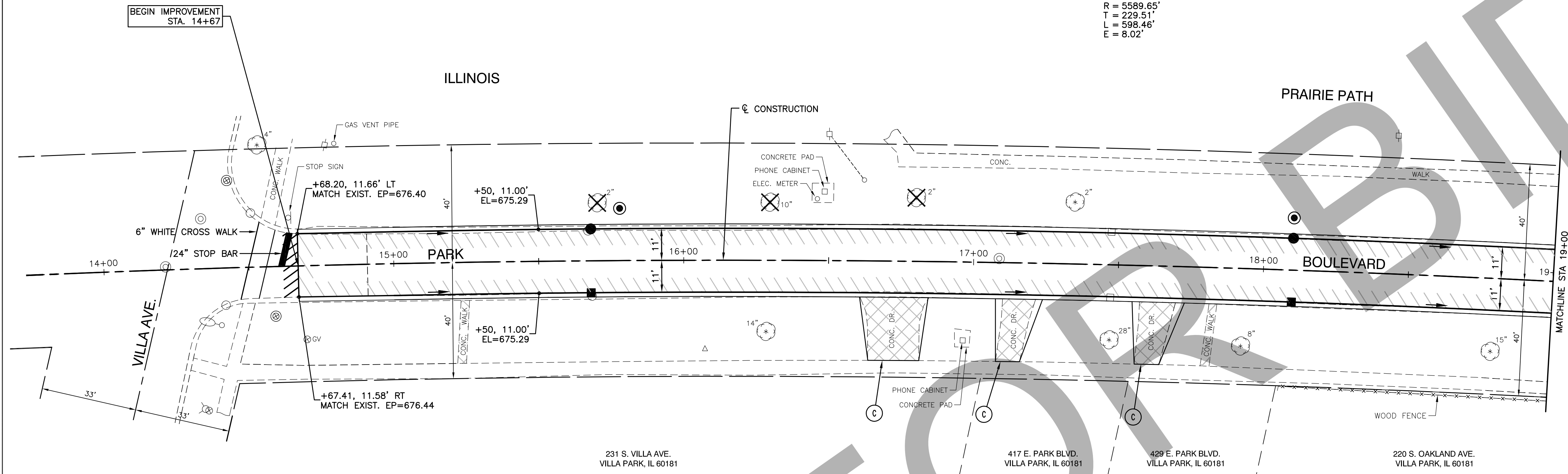
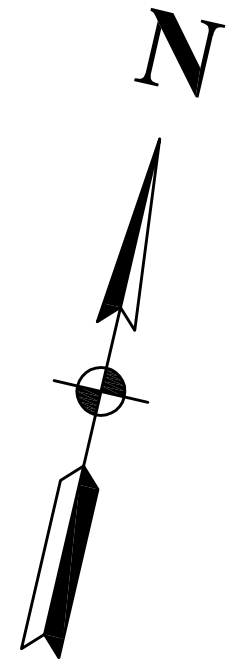
VILLA PARK, ILLINOIS

Drawn by: K.W.M. Date: 09-16-15
 Checked by: C.J.K. Scale: 1"=200'
 Sheet 05 of 36 Project No. 13-583

REVISIONS		
No.	Date	Remarks

SECTION 10, TOWNSHIP 39, RANGE 11

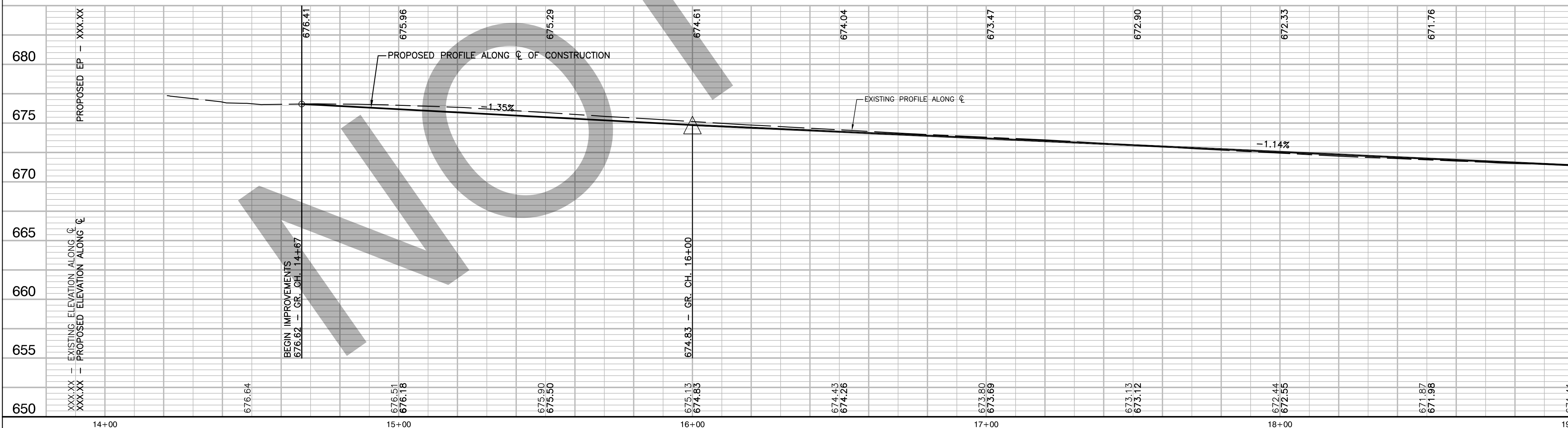
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 Δ = 06°08'04"
 D = 01°01'30"
 R = 5589.65'
 T = 229.51'
 L = 598.46'
 E = 8.02'



231 S. VILLA AVE. VILLA PARK, IL 60181
 417 E. PARK BLVD. VILLA PARK, IL 60181
 429 E. PARK BLVD. VILLA PARK, IL 60181
 220 S. OAKLAND AVE. VILLA PARK, IL 60181

LEGEND

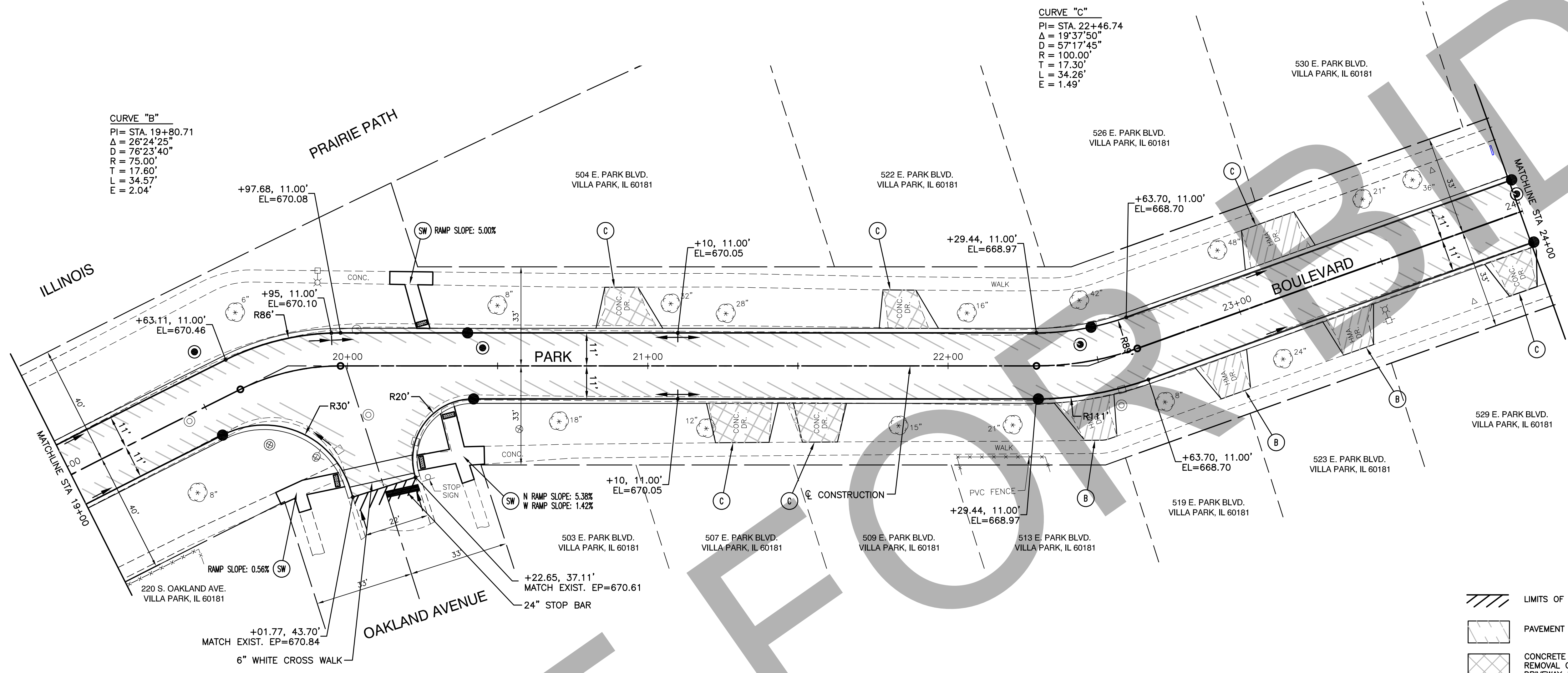
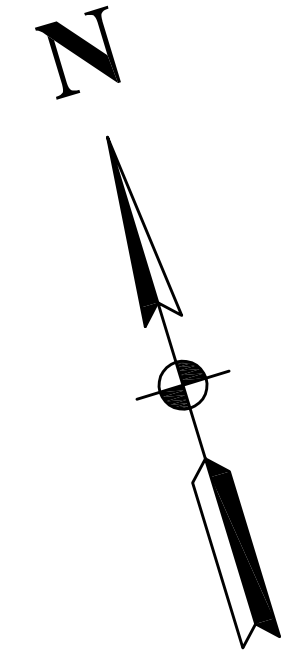
- LIMITS OF IMPROVEMENT
- PAVEMENT REMOVAL
- CONCRETE SIDEWALK REMOVAL OR CONCRETE DRIVEWAY REMOVAL
- BITUMINOUS DRIVEWAY REMOVAL
- DRAINAGE FLOW
- P.C.C. SIDEWALK, 5"
- P.C.C. DRIVEWAY, 6"
- HOT-MIX ASPHALT DRIVEWAY (PRIVATE ENTRANCE)
- DETECTABLE WARNING



BENCH MARK:
 BRASS DISC AT NORTHEAST INTERSECTION OF PEDESTRIAN BRIDGE FOR ILLINOIS PRAIRIE PATH OVER ROUTE 83
 ELEVATION = 689.72

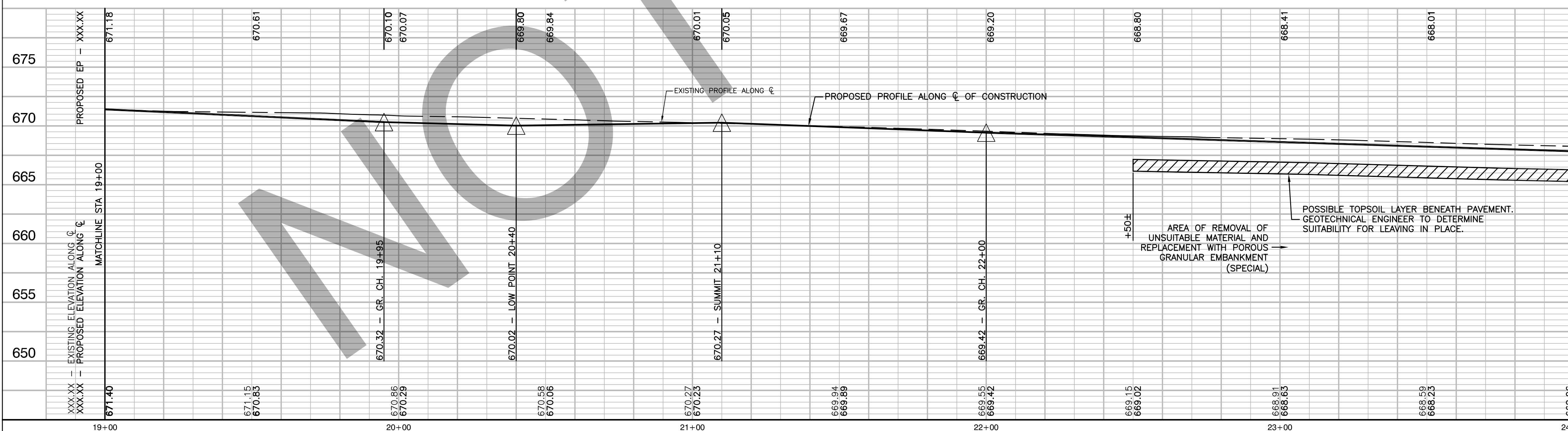
TEMPORARY BENCH MARK:
 CROSS CUT ON SOUTHEAST CORNER OF CONCRETE PAD FOR AT&T CONTROL BOX, NORTH SIDE OF PARK BOULEVARD, +/- 150' EAST OF VILLA AVENUE.
 ELEVATION = 676.64

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PARK BOULEVARD RECONSTRUCTION PARK BOULEVARD PLAN & PROFILE			
VILLA PARK, ILLINOIS			
Drawn by: K.W.M. Checked by: C.J.K. Sheet 06 of 36	Date: 09-16-15 Scale: H 1"=20' V 1"=5' Project No. 13-583		



LEGEND

- LIMITS OF IMPROVEMENT
- PAVEMENT REMOVAL
- CONCRETE SIDEWALK REMOVAL OR CONCRETE DRIVEWAY REMOVAL
- BITUMINOUS DRIVEWAY REMOVAL
- DRAINAGE FLOW
- P.C.C. SIDEWALK, 5"
- P.C.C. DRIVEWAY, 6"
- HOT-MIX ASPHALT DRIVEWAY (PRIVATE ENTRANCE)
- DETECTABLE WARNING

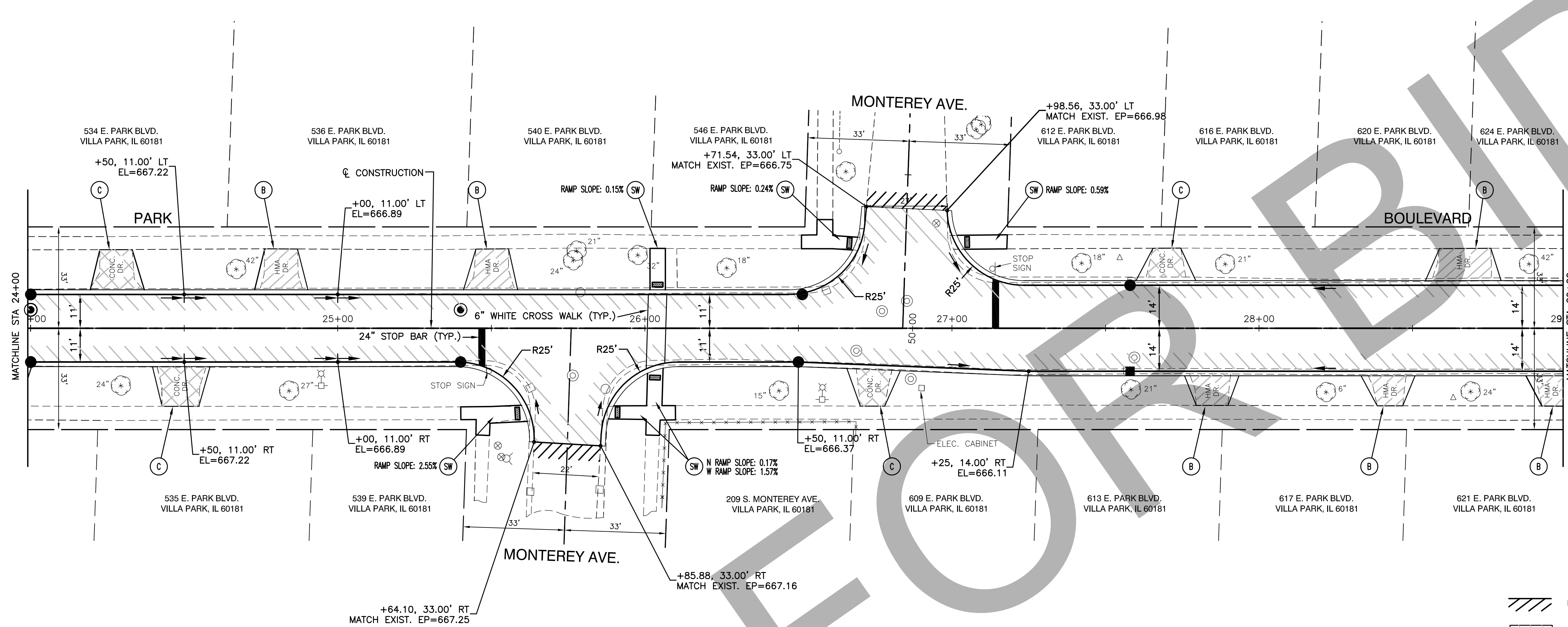


BENCH MARK:
BRASS DISC AT NORTHEAST INTERSECTION OF PEDESTRIAN BRIDGE FOR ILLINOIS PRAIRIE PATH OVER ROUTE 83
ELEVATION = 689.72

TEMPORARY BENCH MARK:
NAILSPIKE SET IN NORTH FACE OF WOOD LIGHT POLE AT RESIDENCE #529 PARK BOULEVARD.
ELEVATION = 669.76

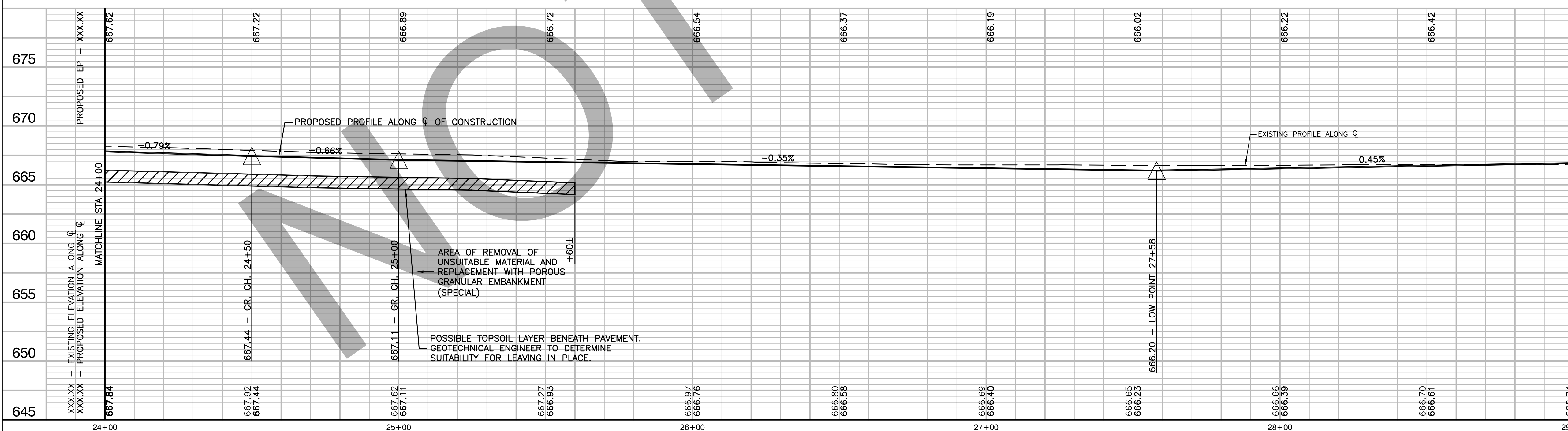
<p>ROBINSON ENGINEERING, LTD. CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473 (708) 331-6700 FAX (708) 331-3826</p> <p>© COPYRIGHT 2015 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128.</p> <p>PARK BOULEVARD RECONSTRUCTION PARK BOULEVARD PLAN & PROFILE</p> <p>VILLA PARK, ILLINOIS</p>		<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Remarks</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Remarks																														
No.	Date	Remarks																																	
<p>Drawn by: K.W.M. Date: 09-16-15 Checked by: C.J.K. Scale: H 1"=20' V 1"=5' Sheet 07 of 36 Project No. 13-583</p>	<p>655</p> <p>650</p>																																		

SECTION 10, TOWNSHIP 39, RANGE 11



LEGEND

	LIMITS OF IMPROVEMENT		P.C.C. SIDEWALK, 5"
	PAVEMENT REMOVAL		P.C.C. DRIVEWAY, 6"
	CONCRETE SIDEWALK REMOVAL OR CONCRETE DRIVEWAY REMOVAL		HOT-MIX ASPHALT DRIVEWAY (PRIVATE ENTRANCE)
	BITUMINOUS DRIVEWAY REMOVAL		DETECTABLE WARNING
	DRAINAGE FLOW		



BENCH MARK:
BRASS DISC AT NORTHEAST INTERSECTION OF PEDESTRIAN BRIDGE FOR ILLINOIS PRAIRIE PATH OVER ROUTE 83
ELEVATION = 689.72

TEMPORARY BENCH MARK:
NAILSPIKES SET IN NORTH FACE OF WOOD LIGHT POLE AT RESIDENCE #529 PARK BOULEVARD.
ELEVATION = 669.76

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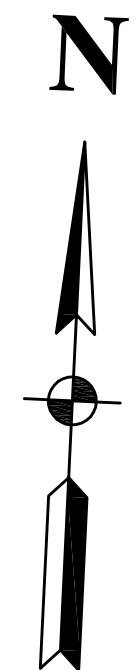
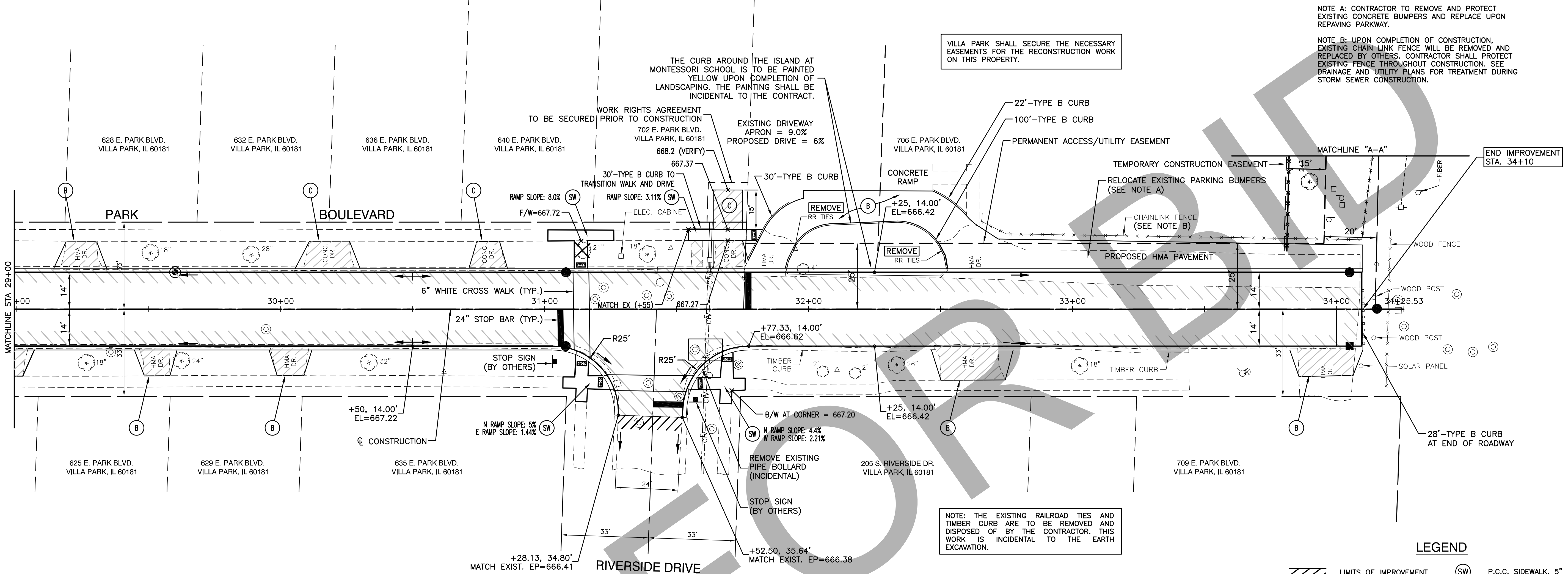
**PARK BOULEVARD RECONSTRUCTION
PARK BOULEVARD
PLAN & PROFILE**

VILLA PARK, ILLINOIS

REVISIONS		
No.	Date	Remarks

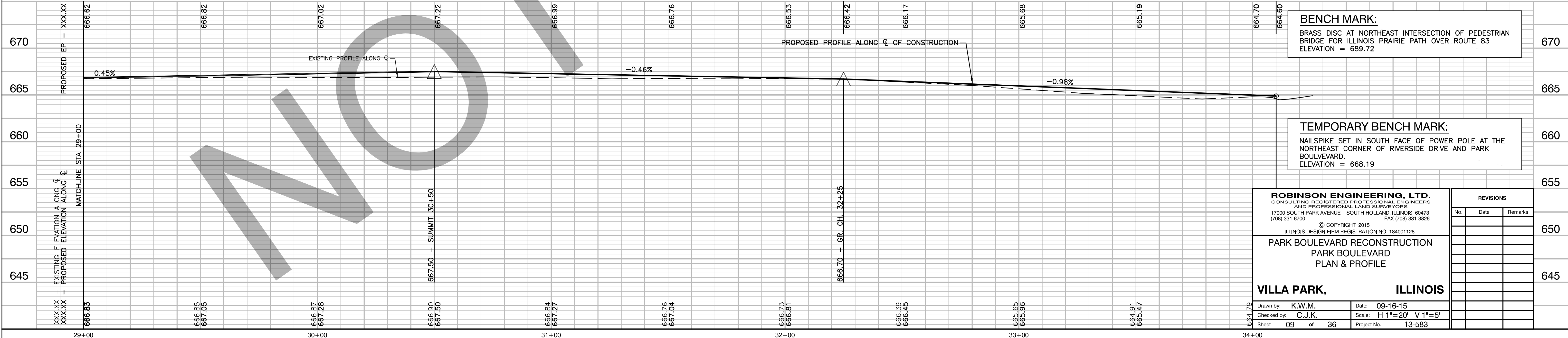
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Checked by: C.J.K. Scale: H 1"=20' V 1"=5'
Sheet 08 of 36 Project No. 13-583

SECTION 10, TOWNSHIP 39, RANGE 11




LEGEND

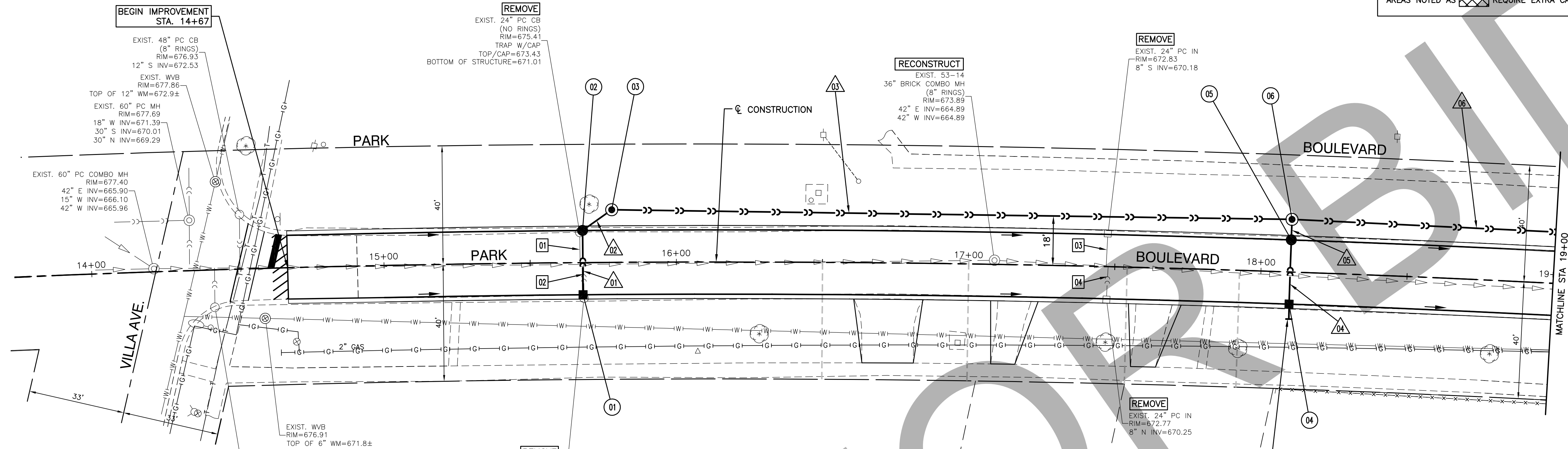
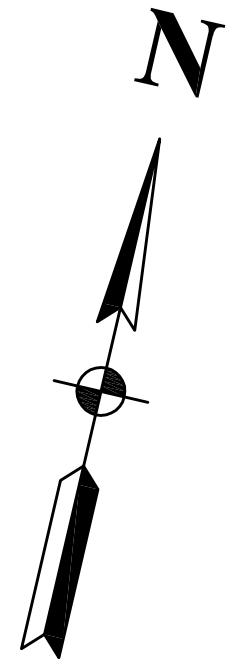
	LIMITS OF IMPROVEMENT		P.C.C. SIDEWALK, 5"
	PAVEMENT REMOVAL		P.C.C. DRIVEWAY, 6"
	CONCRETE SIDEWALK REMOVAL OR CONCRETE DRIVEWAY REMOVAL		HOT-MIX ASPHALT DRIVEWAY (PRIVATE ENTRANCE)
	BITUMINOUS DRIVEWAY REMOVAL		DETECTABLE WARNING
	DRAINAGE FLOW		



SECTION 10, TOWNSHIP 39, RANGE 11





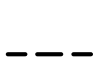

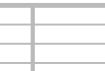
NOTE: THE 42"/48" COMBINED SEWER RUNNING UNDER PARK BOULEVARD IS A SEGMENTED VITRIFIED CLAY PIPE IN POOR TO FAIR CONDITION. THE SEWER WILL REQUIRE A STRUCTURAL LINING OR OTHER REHABILITATION THAT IS NOT CURRENTLY FUNDED. THE CONTRACTOR SHALL PROTECT THE SEWER DURING RECONSTRUCTION.

AREAS NOTED AS  REQUIRE EXTRA CAUTION.

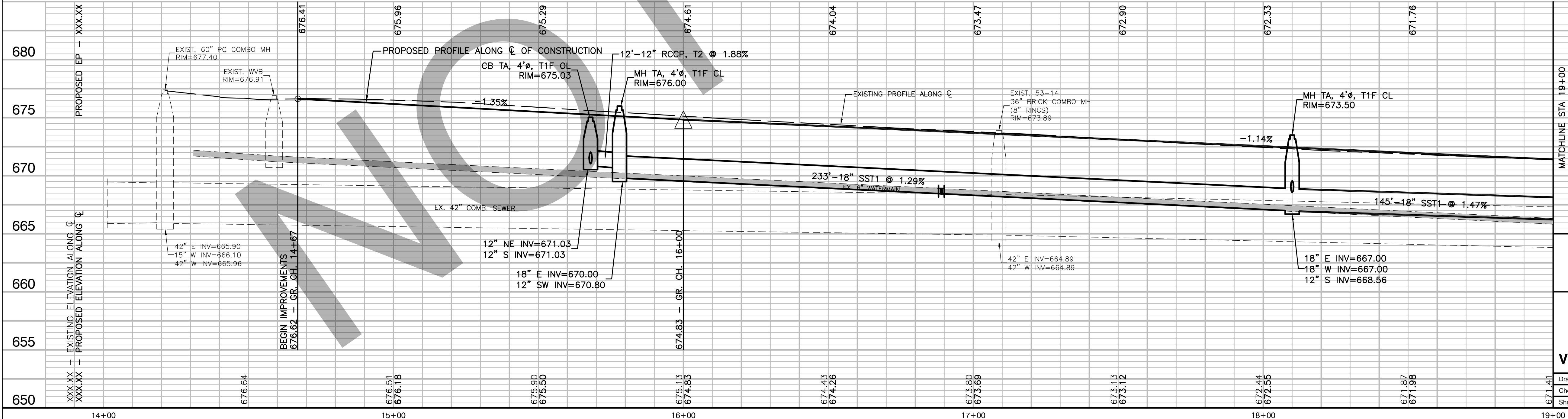


- 01** REMOVE 8'-8" STORM SEWER TO WITHIN 3' OF SEGMENTED TILE AND PLUG. FILL TRENCH BELOW PROPOSED SEWER WITH TRENCH BACKFILL (1.9 CY TBF)
- 02** REMOVE 8'-8" STORM SEWER TO WITHIN 3' OF SEGMENTED TILE AND PLUG. FILL TRENCH BELOW PROPOSED SEWER WITH TRENCH BACKFILL (1.9 CY TBF)
- 03** REMOVE 8'-8" STORM SEWER TO WITHIN 3' OF SEGMENTED TILE AND PLUG. FILL TRENCH WITH TRENCH BACKFILL (1.2 CY TBF)
- 04** REMOVE 8'-8" STORM SEWER TO WITHIN 3' OF SEGMENTED TILE AND PLUG. FILL TRENCH WITH TRENCH BACKFILL (1.2 CY TBF)

01	STA.=15+68.00, 11.00' R IN TA, T11 F&G RIM=675.03 12" N INV=672.03	04	STA.=18+10.00, 11.00' R IN TA, T11 F&G RIM=672.22 12" N INV=669.20 S STUB INV=669.20
02	STA.=15+68.00, 11.00' L CB TA, 4", T11 F&G RIM=675.03 12" NE INV=671.03 12" S INV=671.03	05	STA.=18+10.00, 11.00' L CB TA, 4", T11 F&G RIM=672.22 12" N INV=669.90 12" S INV=668.90
03	STA.=15+78.00, 18.00' L MH TA, 4", T1F CL RIM=676.00 18" E INV=670.00 12" SW INV=670.80	06	STA.=18+10.00, 18.00' L MH TA, 4", T1F CL RIM=673.50 18" E INV=667.00 18" W INV=667.00 12" S INV=668.56

- LEGEND**
-  P.C.C. SIDEWALK, 5"
 -  P.C.C. DRIVEWAY, 8"
 -  HOT-MIX ASPHALT DRIVEWAY (PRIVATE ENTRANCE)
 -  DETECTABLE WARNING
 -  ESTIMATED EXISTING SEWER LATERALS
 -  PIPE UNDERDRAIN, 6", FLT
 -  TREE TO BE REMOVED

- 01** 22'-12" SST1 @ 4.55% (4.0)
- 02** 12'-12" SST1 @ 1.88% (4.2)
- 03** 233'-18" SST1 @ 1.29% (199.7)
- 04** 22'-12" SST1 @ 1.36% (3.3)
- 05** 7'-12" SST1 @ 6.29% (2.1)
- 06** 145'-18" SST1 @ 1.51% (130.1)



BENCH MARK:
BRASS DISC AT NORTHEAST INTERSECTION OF PEDESTRIAN BRIDGE FOR ILLINOIS PRAIRIE PATH OVER ROUTE 83
ELEVATION = 689.72

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REVISIONS		
No.	Date	Remarks

PARK BOULEVARD RECONSTRUCTION
PARK BOULEVARD
DRAINAGE & UTILITIES

VILLA PARK, ILLINOIS

Drawn by: K.W.M. Date: 09-16-15
Checked by: C.J.K. Scale: H 1"=20' V 1"=5'
Sheet 10 of 36 Project No. 13-583

SECTION 10, TOWNSHIP 39, RANGE 11

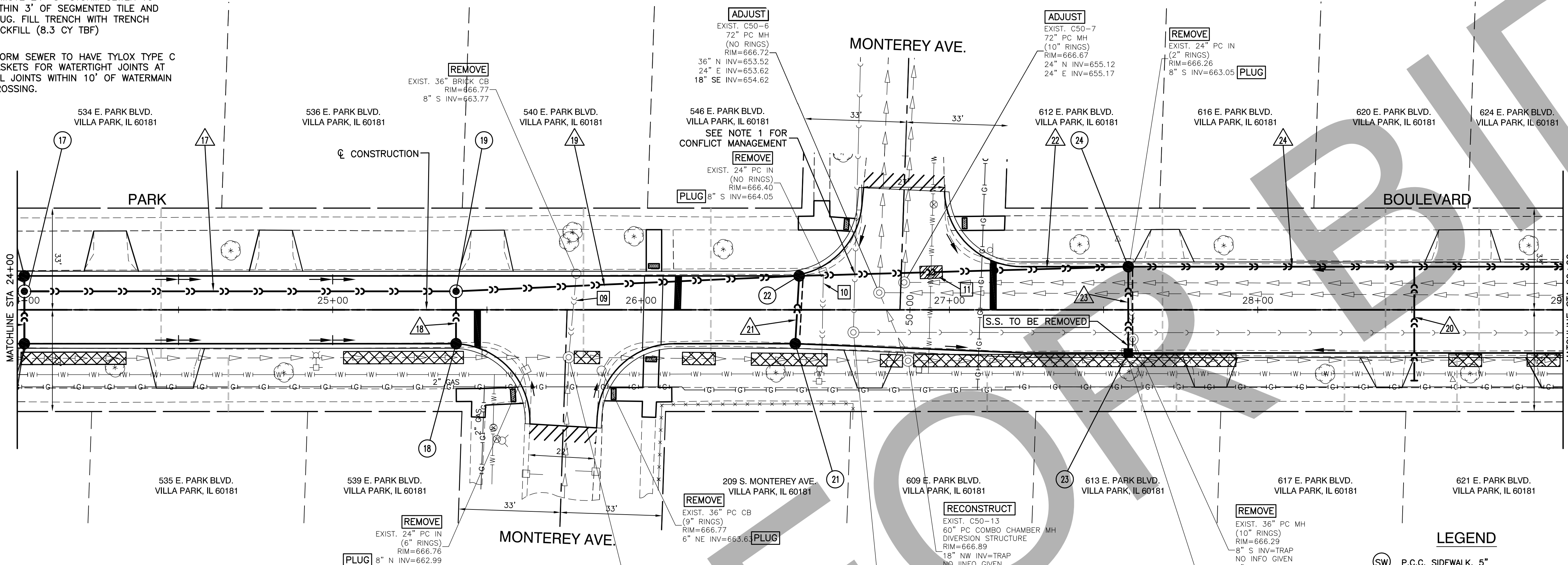
09 REMOVE 22"-8" STORM SEWER TO WITHIN 3' OF SEGMENTED TILE AND PLUG. FILL TRENCH WITH TRENCH BACKFILL (4.8 CY TBF)

10 REMOVE 24"-8" STORM SEWER TO WITHIN 3' OF SEGMENTED TILE AND PLUG. FILL TRENCH WITH TRENCH BACKFILL (8.3 CY TBF)

11 STORM SEWER TO HAVE TYLOX TYPE C GASKETS FOR WATERTIGHT JOINTS AT ALL JOINTS WITHIN 10' OF WATERMAIN CROSSING.

NOTE 1
CONFLICT MANAGEMENT
EXISTING 24" T/P=661.93± (VERIFY)
BOTTOM PROP. 30" SEWER=662.05
PROTECT EXISTING 24" PIPE WITH CONCRETE ENCASEMENT TO SPRING LINE (INCIDENTAL TO 30" S.S.)

NOTE: FOR SANITARY SEWER SERVICE CONFLICTS FOR 612 PARK BOULEVARD TO 702 E. PARK BOULEVARD, AS A RESULT OF THE NEW SEWER, THE SERVICE SHALL BE RUN AND RECONNECTED TO THE EXISTING 24" SANITARY SEWER LOCATED TO THE NORTH OF THE EXISTING COMBINED SEGMENTED TILE PIPE.

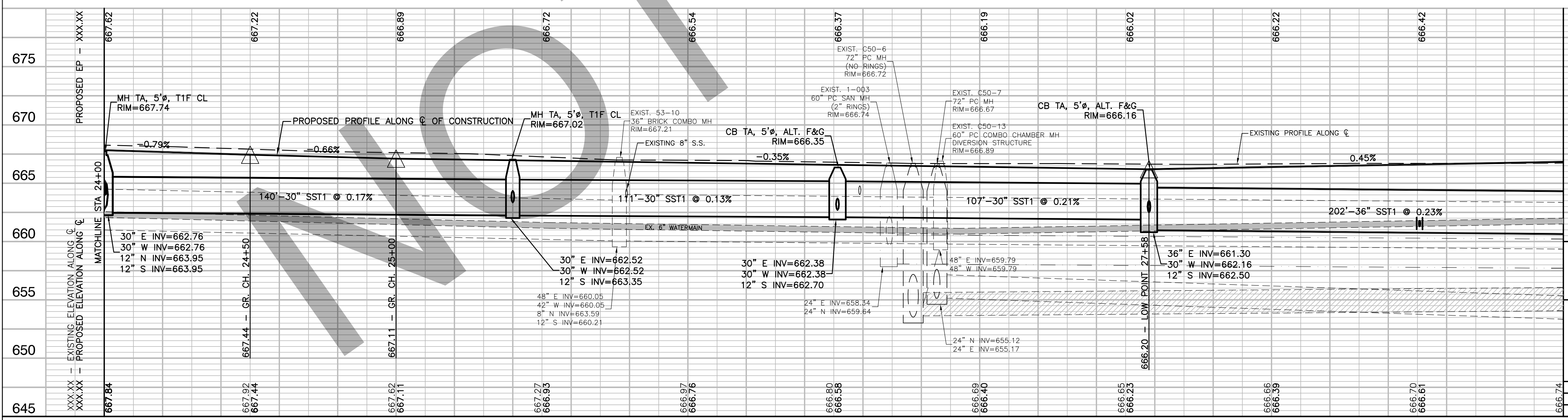


NOTE: THE 42"/48" COMBINED SEWER RUNNING UNDER PARK BOULEVARD IS A SEGMENTED VITRIFIED CLAY PIPE IN POOR TO FAIR CONDITION. THE SEWER WILL REQUIRE A STRUCTURAL LINING OR OTHER REHABILITATION THAT IS NOT CURRENTLY FUNDED. THE CONTRACTOR SHALL PROTECT THE SEWER DURING RECONSTRUCTION.
AREAS NOTED AS REQUIRE EXTRA CAUTION.

- 17 140'-30" SST1 @ 0.17% (37.9)
- 18 17'-12" SST1 @ 1.18% (2.9)
- 19 111'-30" SST1 @ 0.13% (20.5)
- 21 22'-12" SST1 @ 0.95% (4.2)
- 22 107'-30" SST1 @ 0.21% (16.7)
- 23 28'-12" SST1 @ 1.50% (4.7)
- 24 202'-36" SST1 @ 0.29% (108.9)
- 36"-6" STORM SEWER STUB (PVC, WM QUALITY PIPE) WITH PLUG AND RISER AT NOMINAL GRADE OVER SEGMENTED TILE SEWER. (3.5)

- 17 STA.=24+00.00, 6.00' L
MH TA, 5'Ø, T1F CL
RIM=667.74
30" E INV=662.76
30" W INV=662.76
12" N INV=663.95
12" S INV=663.95
6" N-S INV=664.54
- 18 STA.=25+40.00, 11.00' R
CB TC, T11 F&G
RIM=666.75
12" N INV=663.55
- 19 STA.=25+40.00, 6.00' L
MH TA, 5'Ø, T1F CL
RIM=666.86
30" E INV=662.52
30" W INV=662.52
12" S INV=663.35
- 21 STA.=26+50.00, 11.00' R
CB TA, 4'Ø, T11 F&G
RIM=666.37
12" N INV=662.91
- 22 STA.=26+51.28, 11.00' L
CB TA, 5'Ø, ALT. F&G
RIM=666.35
30" E INV=662.38
30" W INV=662.38
12" S INV=662.70
6" S INV=663.15
- 23 STA.=27+58.00, 14.00' R
IN TA, T11 F&G
RIM=665.92
12" N INV=662.92
- 24 STA.=27+58.00, 14.00' L
CB TA, 5'Ø, ALT. F&G
RIM=666.16
36" E INV=661.30
30" W INV=662.16
12" S INV=662.50
6" S INV=662.90

- LEGEND**
- P.C.C. SIDEWALK, 5"
 - P.C.C. DRIVEWAY, 8"
 - HOT-MIX ASPHALT DRIVEWAY (PRIVATE ENTRANCE)
 - DETECTABLE WARNING
 - ESTIMATED EXISTING SEWER LATERALS
 - PIPE UNDERDRAIN, 6", FLT
 - TREE TO BE REMOVED



BENCH MARK:
BRASS DISC AT NORTHEAST INTERSECTION OF PEDESTRIAN BRIDGE FOR ILLINOIS PRAIRIE PATH OVER ROUTE 83
ELEVATION = 689.72

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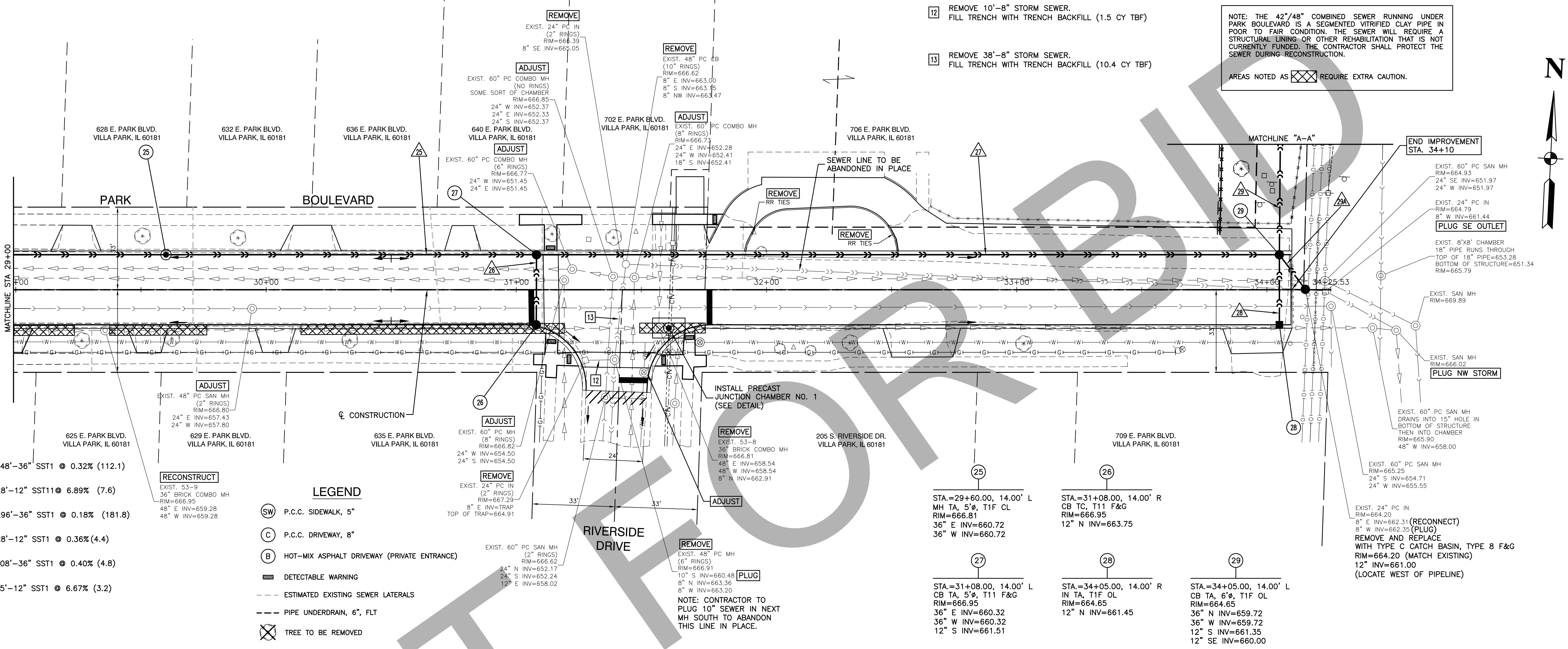
**PARK BOULEVARD RECONSTRUCTION
PARK BOULEVARD
DRAINAGE & UTILITIES**

VILLA PARK, ILLINOIS

Drawn by: K.W.M. Date: 09-16-15
Checked by: C.J.K. Scale: H 1"=20' V 1"=5'
Sheet 12 of 36 Project No. 13-583

REVISIONS		
No.	Date	Remarks

SECTION 10, TOWNSHIP 39, RANGE 11

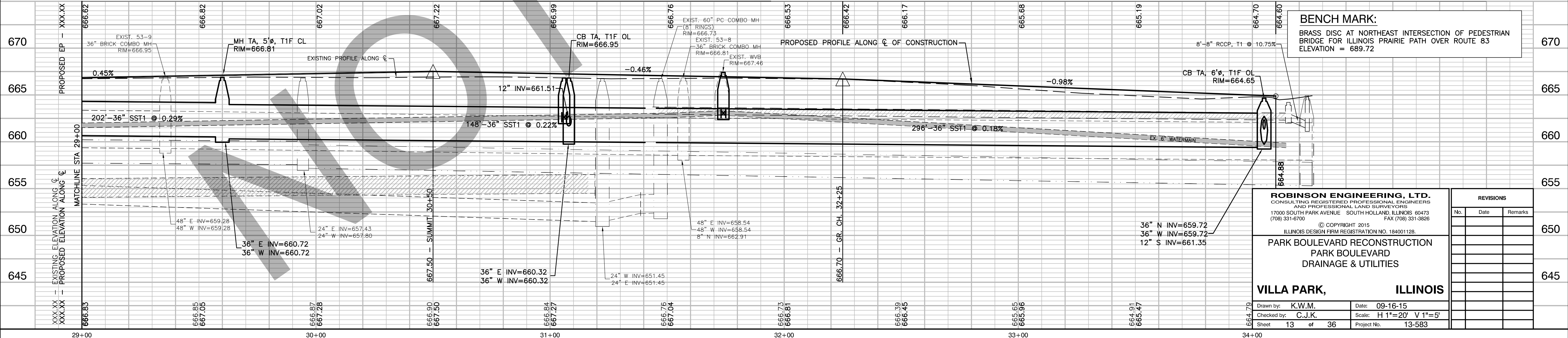


NOTE: THE 42\"/>

- 25 148'-36" SST1 @ 0.32% (112.1)
- 26 28'-12" SST1 @ 6.89% (7.6)
- 27 296'-36" SST1 @ 0.18% (181.8)
- 28 28'-12" SST1 @ 0.36% (4.4)
- 29 108'-36" SST1 @ 0.40% (4.8)
- 29A 15'-12" SST1 @ 6.67% (3.2)

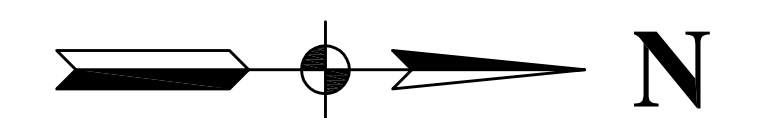
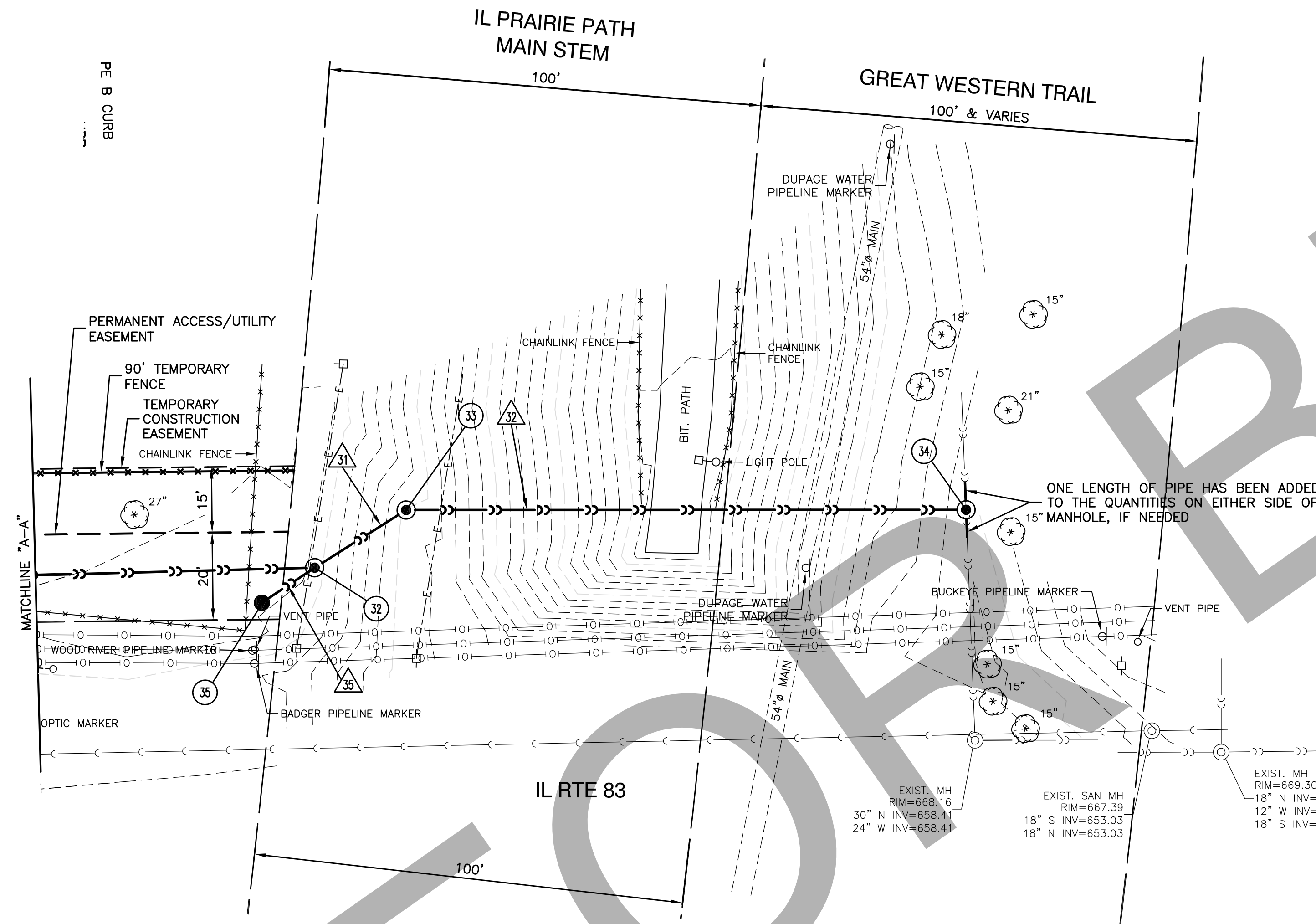
- LEGEND**
- (SW) P.C.C. SIDEWALK, 5"
 - (C) P.C.C. DRIVEWAY, 8"
 - (B) HOT-MIX ASPHALT DRIVEWAY (PRIVATE ENTRANCE)
 - ▬ DETECTABLE WARNING
 - - - ESTIMATED EXISTING SEWER LATERALS
 - - - PIPE UNDERDRAIN, 6", FLT
 - ⊗ TREE TO BE REMOVED

NOTE: CONTRACTOR TO PLUG 10" SEWER IN NEXT MH SOUTH TO ABANDON THIS LINE IN PLACE.



BENCH MARK:
BRASS DISC AT NORTHEAST INTERSECTION OF PEDESTRIAN BRIDGE FOR ILLINOIS PRAIRIE PATH OVER ROUTE 83
ELEVATION = 689.72

<p>ROBINSON ENGINEERING, LTD. CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473 (708) 331-6700 FAX (708) 331-3826</p> <p>© COPYRIGHT 2015 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128</p> <p>PARK BOULEVARD RECONSTRUCTION PARK BOULEVARD DRAINAGE & UTILITIES</p> <p>VILLA PARK, ILLINOIS</p>		<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Date	Remarks												
No.	Date	Remarks															
<p>Drawn by: K.W.M. Date: 09-16-15 Checked by: C.J.K. Scale: H 1"=20' V 1"=5' Sheet 13 of 36 Project No. 13-583</p>	<p>650 645</p>																



- 31 25'-36" SST1 @ 0.36%
- 32 128'-36" SS JACKED IN PLACE @ 0.41%
- 35 14'-12" SST1 @ 2.00%

32
STA.=34+06.83, 122.00' L
MH TA, 5'Ø, T1F CL
RIM=665.00
36" NW INV=659.29
36" S INV=659.29
12" SE INV=659.93

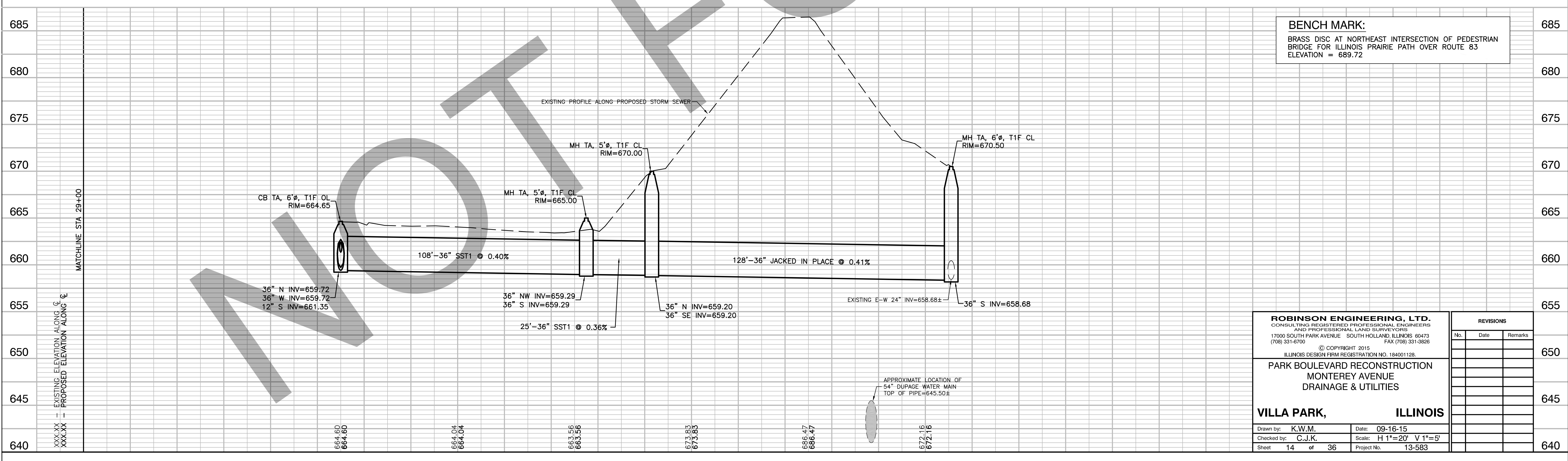
33
STA.=33+94.38, 143.36' L
MH TA, 5'Ø, T1F CL
RIM=670.00
36" N INV=659.20
36" SE INV=659.20

34
STA.=33+98.77, 271.34' L
MH TA, 6'Ø, T1F CL
RIM=670.50
36" S INV=658.68
EX. 24" INV=658.68±

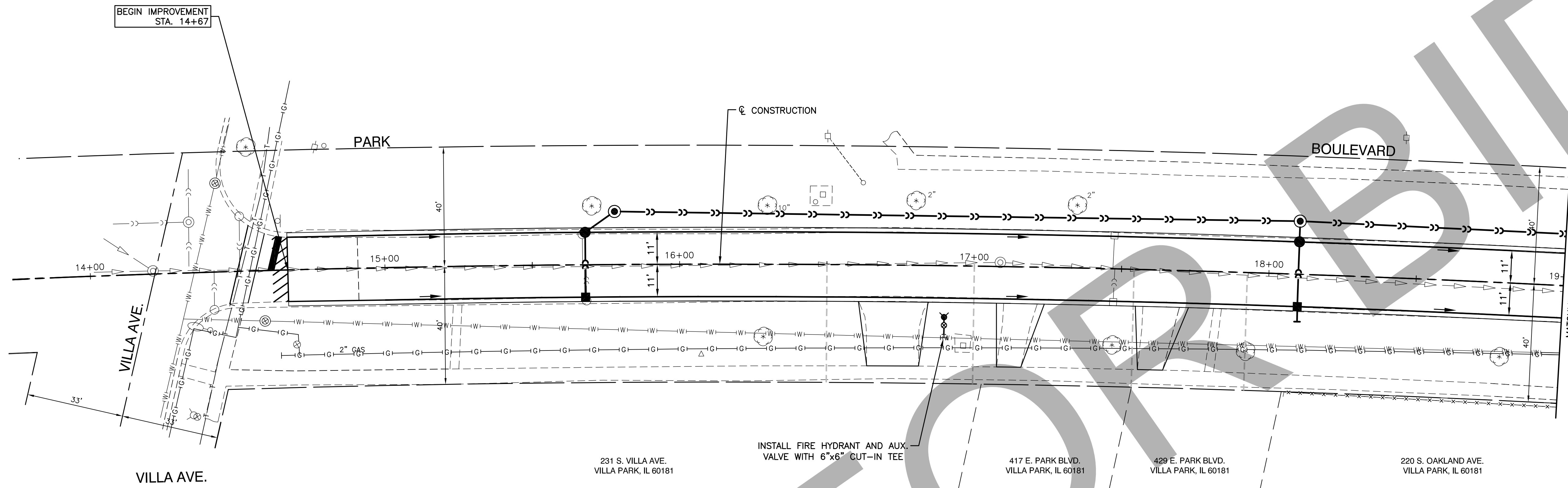
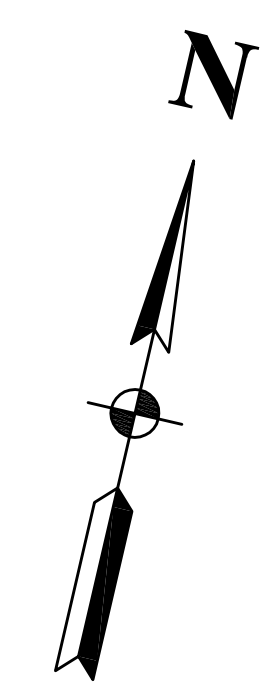
35
STA.=34+14.43, 109.67' L
CB TC, T8G
RIM=663.42
12" NW INV=660.21

- NOTES:**
- GROUND ELEVATIONS TO BE VERIFIED PRIOR TO ORDERING MANHOLES.
 - EXISTING 24" INVERT TO BE FIELD VERIFIED BEFORE INSTALLATION OF OFFSITE SEWER.

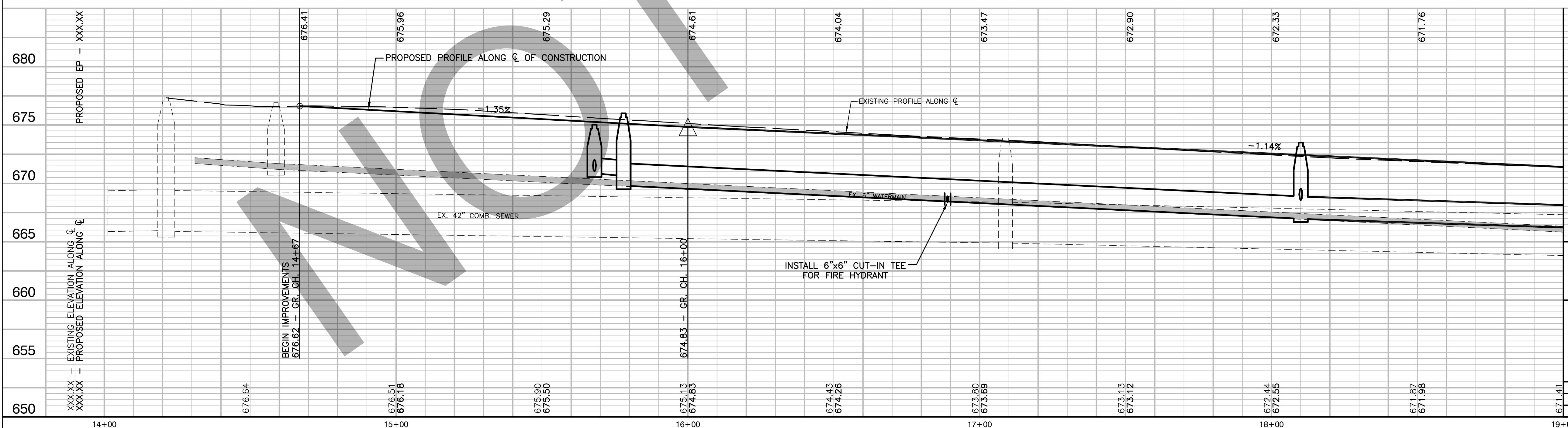
BENCH MARK:
BRASS DISC AT NORTHEAST INTERSECTION OF PEDESTRIAN BRIDGE FOR ILLINOIS PRAIRIE PATH OVER ROUTE 83
ELEVATION = 689.72



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		No.	Date
PARK BOULEVARD RECONSTRUCTION MONTEREY AVENUE DRAINAGE & UTILITIES			
VILLA PARK, ILLINOIS			
Drawn by:	K.W.M.	Date:	09-16-15
Checked by:	C.J.K.	Scale:	H 1"=20' V 1"=5'
Sheet	14 of 36	Project No.	13-583

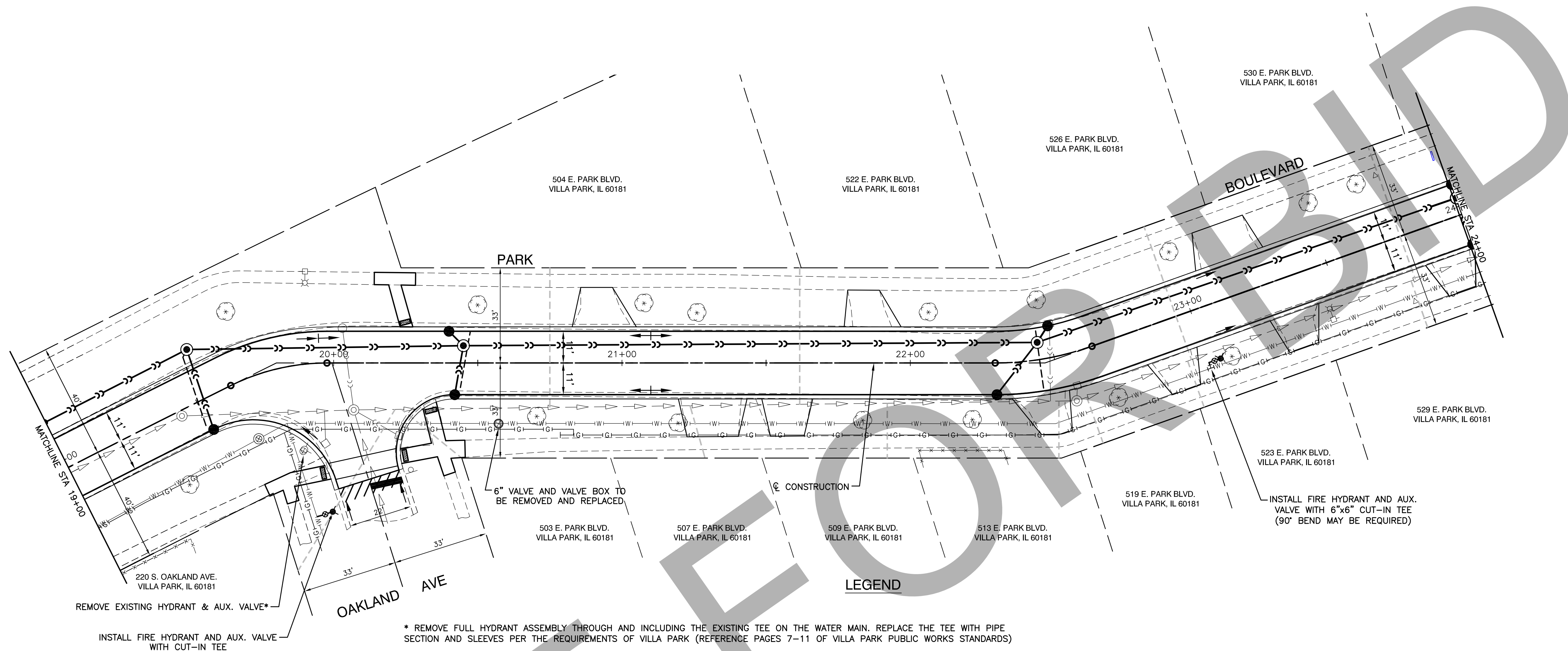
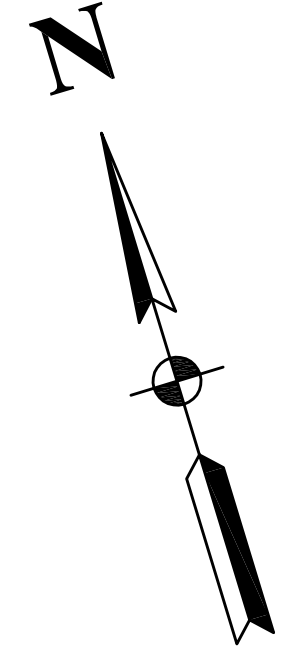


- LEGEND**
- ⊕ EXISTING FIRE HYDRANT
 - ⊙ EXISTING VALVE
 - ⊖ EXISTING B-BOX
 - W—W— EXISTING WATER MAIN
 - ⊕ PROPOSED FIRE HYDRANT W/ AUX. VALVE, VALVE BOX
 - ⊕ PROPOSED TEE
 - ⊙ PROPOSED VALVE

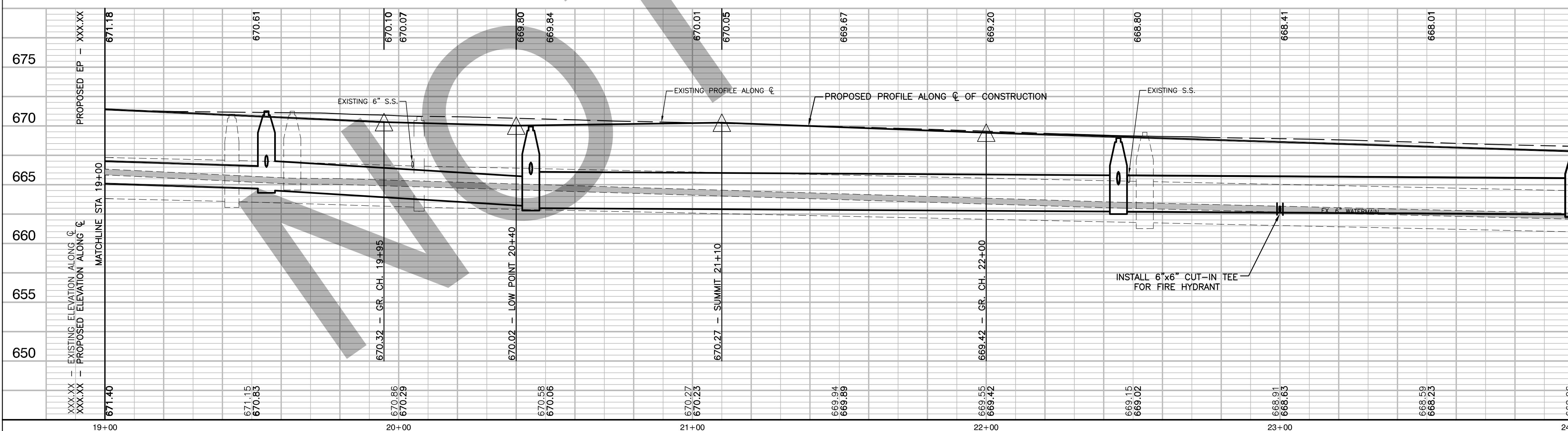


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PARK BOULEVARD RECONSTRUCTION PARK BOULEVARD WATER MAIN IMPROVEMENTS			
VILLA PARK, ILLINOIS			
Drawn by: K.W.M./JJB Checked by: C.J.K. Sheet 16 of 36	Date: 09-16-15 Scale: H 1"=20' V 1"=5' Project No. 13-583		



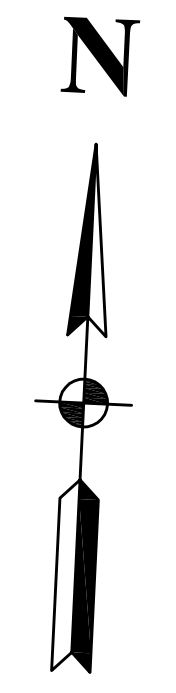
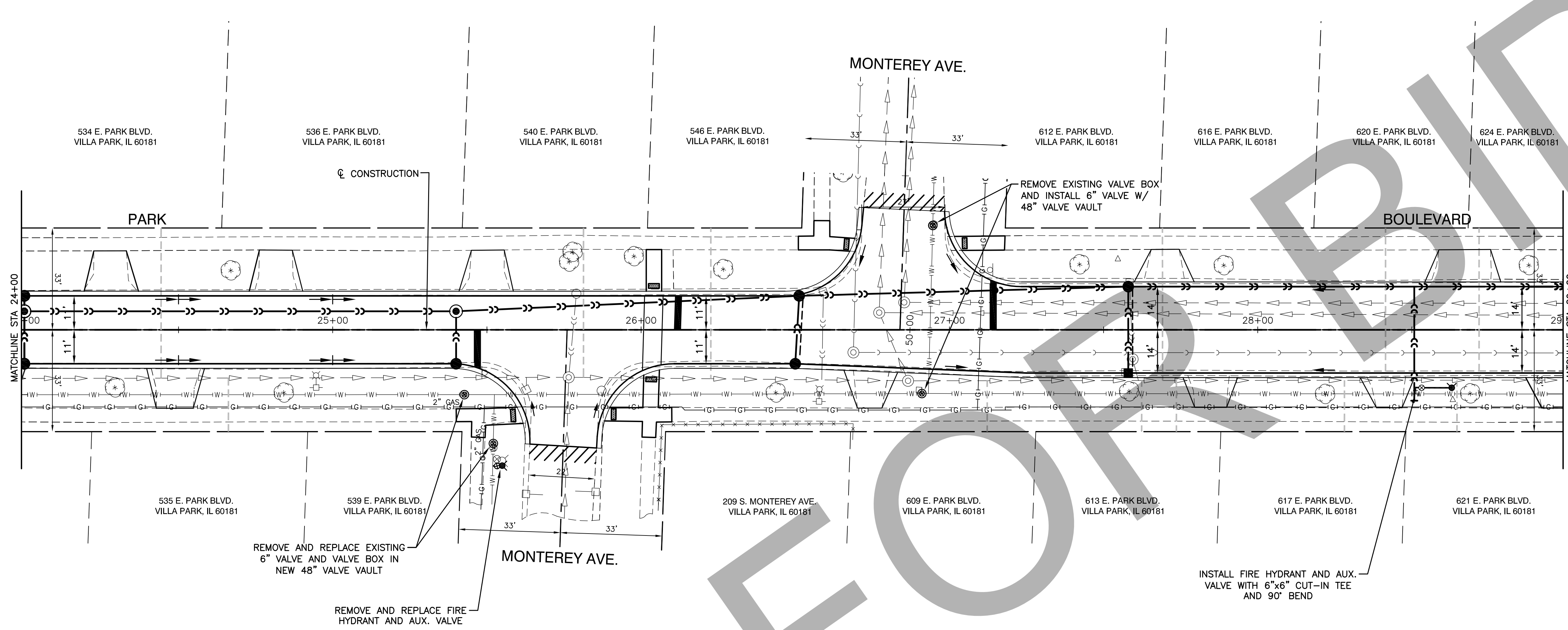
- LEGEND**
- EXISTING FIRE HYDRANT
 - ⊙ EXISTING VALVE
 - ⊕ EXISTING B-BOX
 - W—W— EXISTING WATER MAIN
 - ⊙ PROPOSED FIRE HYDRANT W/ AUX. VALVE, VALVE BOX
 - ⊕ PROPOSED TEE
 - ⊙ PROPOSED VALVE



BENCH MARK:
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VILLA PARK, ILLINOIS			
Drawn by: K.W.M./JJB Checked by: C.J.K. Sheet 17 of 36	Date: 09-16-15 Scale: H 1"=20' V 1"=5' Project No. 13-583		

SECTION 10, TOWNSHIP 39, RANGE 11



LEGEND

- ⊙ EXISTING FIRE HYDRANT
- ⊙ EXISTING VALVE
- ⊙ EXISTING B-BOX
- W—W EXISTING WATER MAIN
- W—W—W PROPOSED FIRE HYDRANT W/ AUX. VALVE, VALVE BOX
- ⊙ PROPOSED TEE
- ⊙ PROPOSED VALVE



BENCH MARK:
 BRASS DISC AT NORTHEAST INTERSECTION OF PEDESTRIAN BRIDGE FOR ILLINOIS PRAIRIE PATH OVER ROUTE 83
 ELEVATION = 689.72

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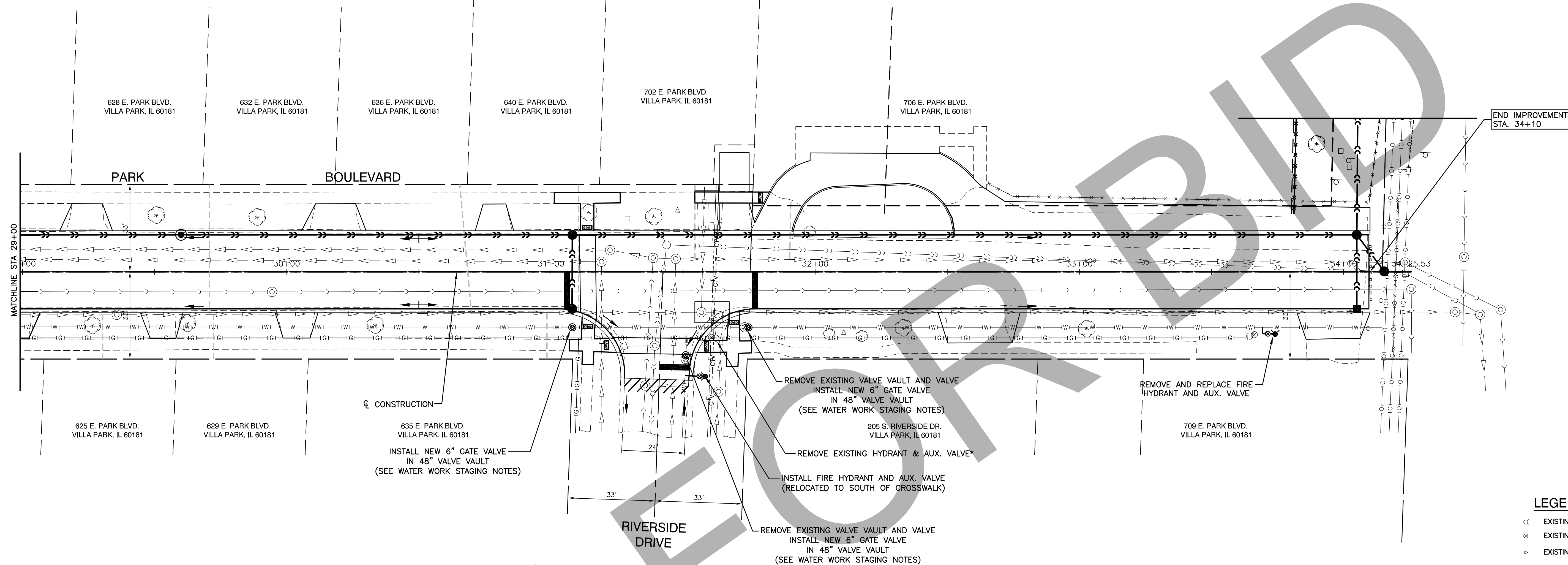
**PARK BOULEVARD RECONSTRUCTION
 PARK BOULEVARD
 WATER MAIN IMPROVEMENTS**

VILLA PARK, ILLINOIS

Drawn by: K.W.M. Date: 09-16-15
 Checked by: C.J.K. Scale: H 1"=20' V 1"=5'
 Sheet 18 of 36 Project No. 13-583

REVISIONS		
No.	Date	Remarks

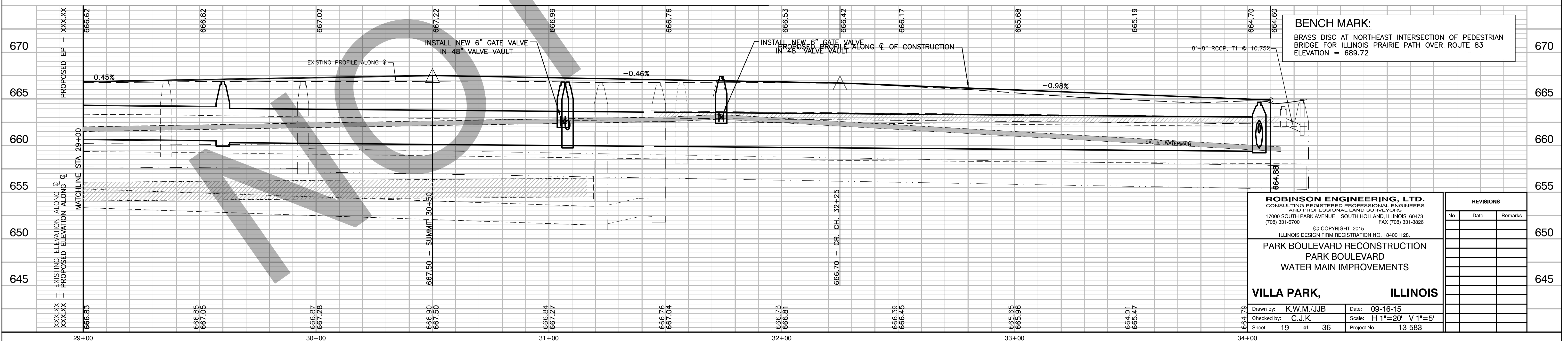
SECTION 10, TOWNSHIP 39, RANGE 11



LEGEND

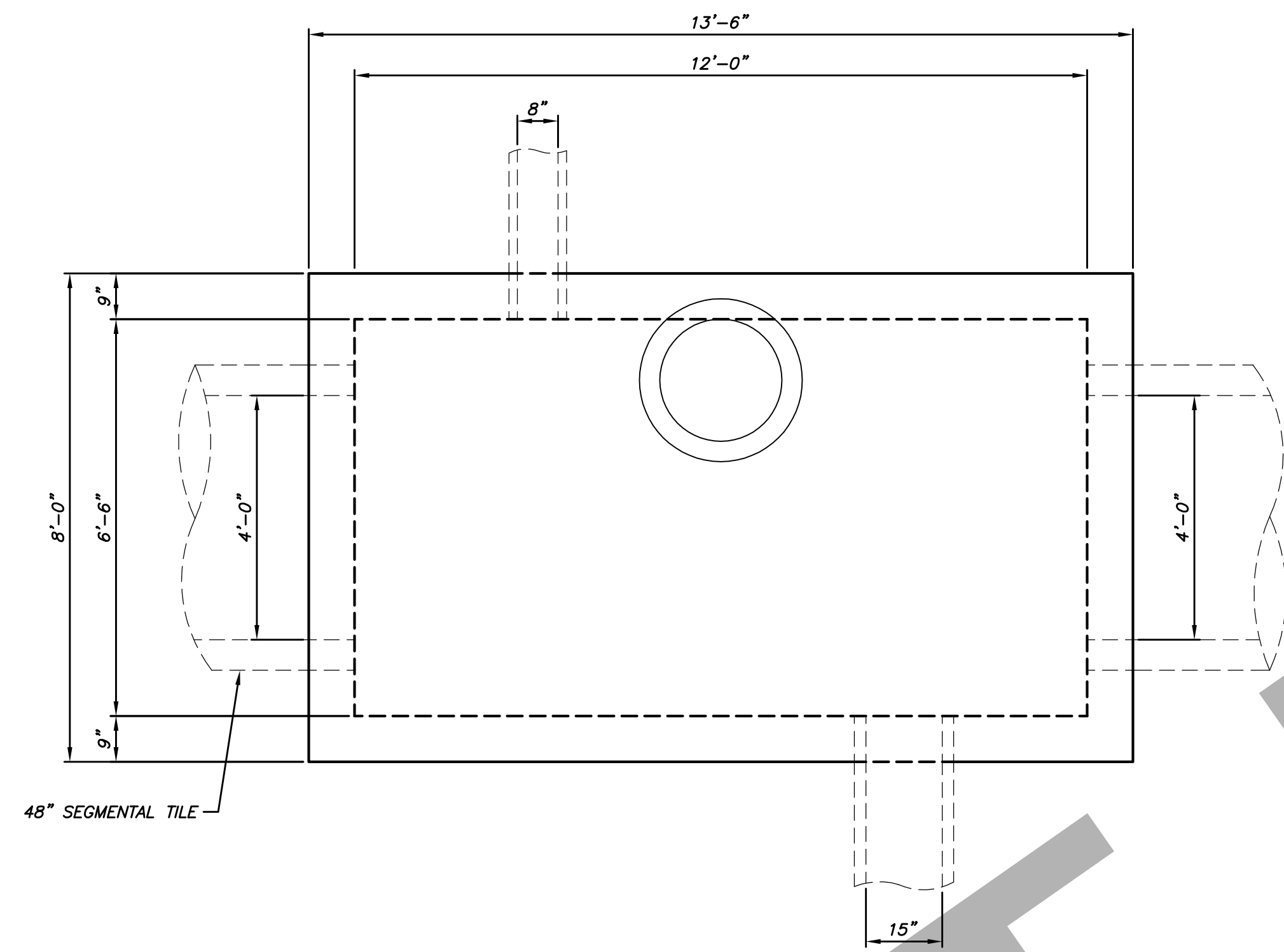
- ⊗ EXISTING FIRE HYDRANT
- ⊙ EXISTING VALVE
- ⊕ EXISTING B-BOX
- (W)—(W)— EXISTING WATER MAIN
- ⊕ PROPOSED FIRE HYDRANT W/ AUX. VALVE, VALVE BOX
- ⊕ PROPOSED TEE
- ⊙ PROPOSED VALVE

* REMOVE FULL HYDRANT ASSEMBLY THROUGH AND INCLUDING THE EXISTING TEE ON THE WATER MAIN. REPLACE THE TEE WITH PIPE SECTION AND SLEEVES PER THE REQUIREMENTS OF VILLA PARK (REFERENCE PAGES 7-11 OF VILLA PARK PUBLIC WORKS STANDARDS)

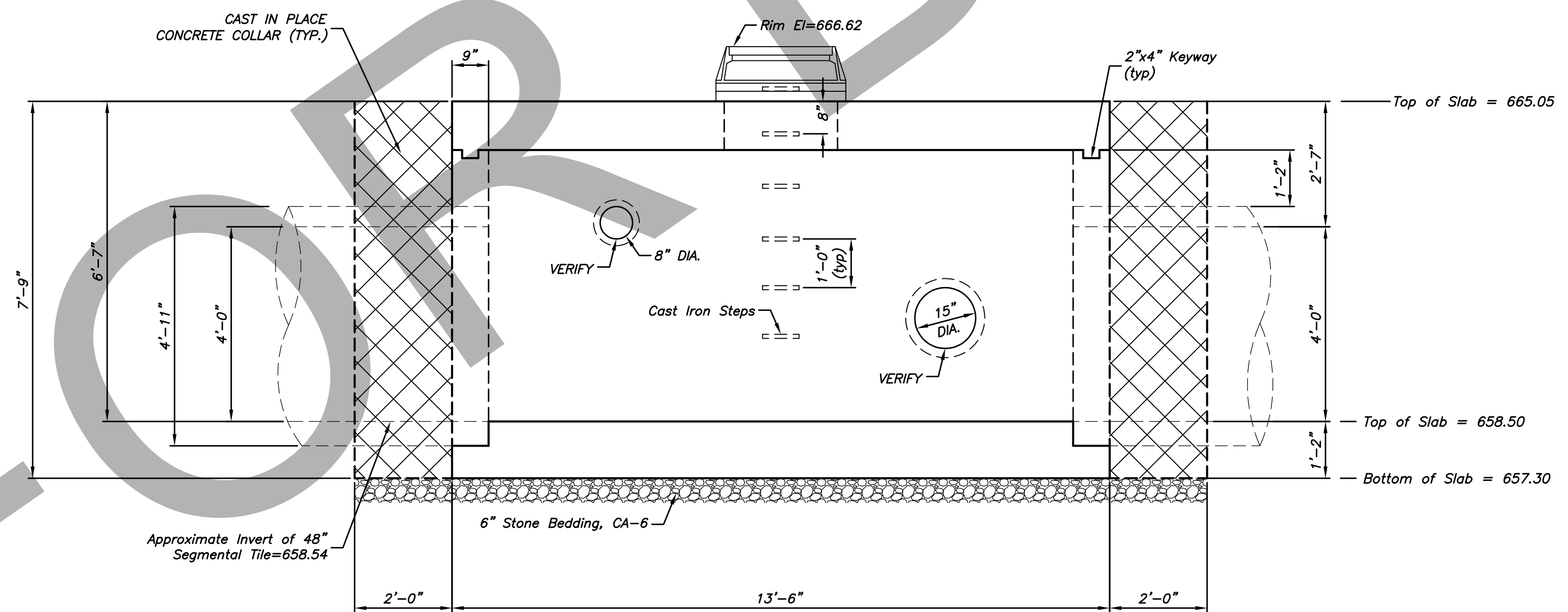


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PARK BOULEVARD RECONSTRUCTION PARK BOULEVARD WATER MAIN IMPROVEMENTS		645																																		
VILLA PARK, ILLINOIS		645																																		
Drawn by: K.W.M./JJB Checked by: C.J.K. Sheet 19 of 36	Date: 09-16-15 Scale: H 1"=20' V 1"=5' Project No. 13-583	645																																		



Top Slab - Top View



Elevation View - South Face
(Looking North)

Notes:

1. Manholes are not to be placed along sides that have pipes.
2. The contractor is responsible for any minor adjustments of pipes to ensure proper fit.
3. concrete fillets are to be placed in the field after installation of junction chamber and pipe.

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PARK BOULEVARD RECONSTRUCTION PARK BOULEVARD JUNCTION CHAMBER DETAILS STA. 30+60 (RIVERSIDE DRIVE) VILLA PARK, ILLINOIS	
Drawn by: K.W.M.	Date: 09-16-15
Checked by: C.J.K.	Scale: 1/2" = 1'-0"
Sheet: --- of 36	Project No. 13-583

REVISIONS		
No.	Date	Remarks

GENERAL NOTES:

A. GENERAL

- 1.IT IS SOLEY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE.
- 2.IT IS SOLEY THE CONTRACTORS RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- 3.IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, ELEVATION, AND EXISTING CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIAL AND COMMENCING CONSTRUCTION.
- 4.THE CONSTRCTOR SHALL INSPECT THE SITE OF THE PROJECT AND FAMILIARIZE HIM/HERSELF WITH ALL EXISTING CONDITIONS, TRAFFIC AND OTHER ITEMS AND REQUIREMENTS THAT MAY AFFECT THE CONTRACT.
- 5.LATEST EDITIONS AT THE TIME OF BIDDING OF THE AASHTO AND IDOT CODES, DESIGN MANUALS AND STANDARD SPECIFICATIONS SHALL BE USED.
- 6.POLLUTION CONTROL: THE CONTRACTOR IS REQUIRED TO COMPLY WITH THE LOCAL, STATE AND FEDERAL REGULATIONS REGARDINGS LAND, AIR, WATER AND NOISE POLLUTION.
- 7.ANY ACCUMULATED DEBRIS WITHIN THE PROJECT AS A RESULT OF THE IMPROVEMENT SHALL BE REMOVED AND DISPOSED OF SATISFACTORILY BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED WITH THE ITEM OF WORK INVOLVED.
- 8.THE CONTRACTOR'S ATTENTION IS CALLED TO THE SPECIAL PROVISION FOR COOPERATION WITH UTILITIES.
- 9.THE QUANTITIES SHOWN ARE ESTIMATED AND THE ACTUAL QUANTITIES REQUIRED SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

B. JUNCTION CHAMBERS

- 1.JUNCTION CHAMBERS SHALL BE PRECAST REINFORCED CONCRETE, UNLESS OTHERWISE SHOWN.
- 2.MANUFACTURER IS TO DESIGN THE STEEL REINFORCEMENT PER DESIGN LOADS GIVEN IN PLANS AND SPECIAL PROVISION PLUS SELF-WEIGHT.
- 3.MANUFACTURER IS TO PROVIDE CALCULATIONS AND SHOP DRAWINGS STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS AND IS SUBJECT TO THE ENGINEER'S REVIEW AND APPROVAL PRIOR TO THE START OF FABRICATION.
- 4.WHENEVER MORE THAN ONE PIPE/BOX CULVERT THAT ENTERS A JUNCTION CHAMBER IS SUPPORTED BY A BED OF LIGHTWEIGHT CELLULAR CONCRETE FILL, THE JUNCTION CHAMBER MUST ALSO RECEIVE A LAYER OF LIGHTWEIGHT CELLULAR CONCRETE FILL. OF THE SAME THICKNESS AS USED FOR THE PIPE/BOX CULVERT. THE COST OF THE LIGHTWEIGHT CELLULAR FILL MUST BE INCLUDED IN THE COST OF THE JUNCTION CHAMBER.
- 5.IF LIGHTWEIGHT CELLULAR CONCRETE FILL IS NOT REQUIRED, ALL JUNCTION CHAMBERS (INCL. JUNCTION CHAMBERS USED AS BUBBLERS & OVERFLOW STRUCTURES) MUST HAVE A MINIMUM OF 6" OF POROUS GRANULAR EMBANKMENT, SUBGRADE PLACE UNDER EACH STRUCTURE FOR THE ENTIRE AREA OF THE EXCAVATION. THE COST IS TO BE INCLUDED IN THE COST OF THE JUNCTION CHAMBER.

C. EXCAVATION NOTES:

- 1.ALL EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY A QUALIFIED REPRESENTATIVE OF THE OWNER PRIOR TO PLACING BOX CULVERTS OR JUNCTION CHAMBERS. EXCAVATIONS SHALL BE FREE OF WATER AT ALL TIMES, REPLACE SOFT OR WEAKENED SOIL WITH COMPACTED FA-6 OR CA-17, IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR AS POROUS GRANULAR EMBANKMENT, SPECIAL.

2.BACKFILLING:

- a.NO FILL OF BACKFILL SHALL BE SETTLED OR COMPACTED BY THE USE OF WATER.
- b.BOTH SIDES OF THE PRECAST CONCRETE JUNCTION CHAMBER WALL SHALL BE BACKFILLED SIMULTANEOUSLY SO AS TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF THESE JUNCTION CHAMBERS.

D. ABBREVIATIONS:

- T = TOP
 B = BOTTOM
 EF = EACH FACE
 EW = EACH WAY
 EE = EACH END
 O.C. = ON CENTER
 TOF = TOP OF FOOTING ELEV.
 TOS = TOP OF SLAB ELEV.
- NF = NEAR FACE
 FF = FAR FACE
 TYP = TYPICAL
 UNO = UNLESS NOTED OTHERWISE

E. UNFACTORED DESIGN LOADS, NOT INCLUDING SELF-WEIGHT OF STRUCTURES:

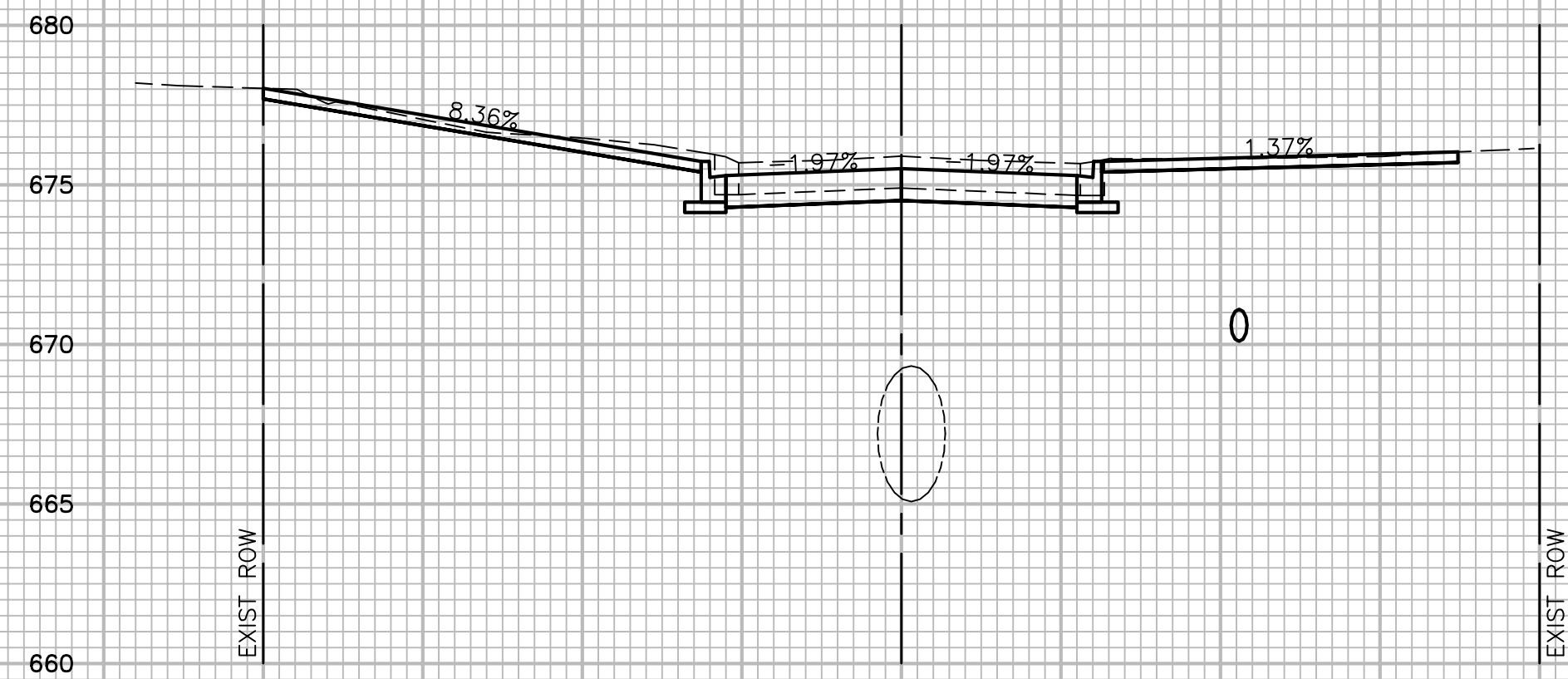
JUNCTION CHAMBERS:

- MAX. LIVE LOAD: HS20 (ON AND OFF ROADWAY)
- SOIL:
 EQUIV. FLUID PRESSURE (w/ LL): 40 PCF (FROM GRADE + 2' TO TOP SLAB)
 50 PCF (FROM ϕ TOP SLAB TO BOT. SLAB)
 EQUIV. FLUID PRESSURE (w/o LL): 40 PCF (FROM GRADE TO TOP SLAB)
 50 PCF (FROM ϕ TOP SLAB TO BOT. SLAB)
- WATER PRESURE: 62.4*Z PSF
 (INCREASE UNIFORMLY W / DEPTH)
- BOUYANCY: 62.4*Z max. PSF

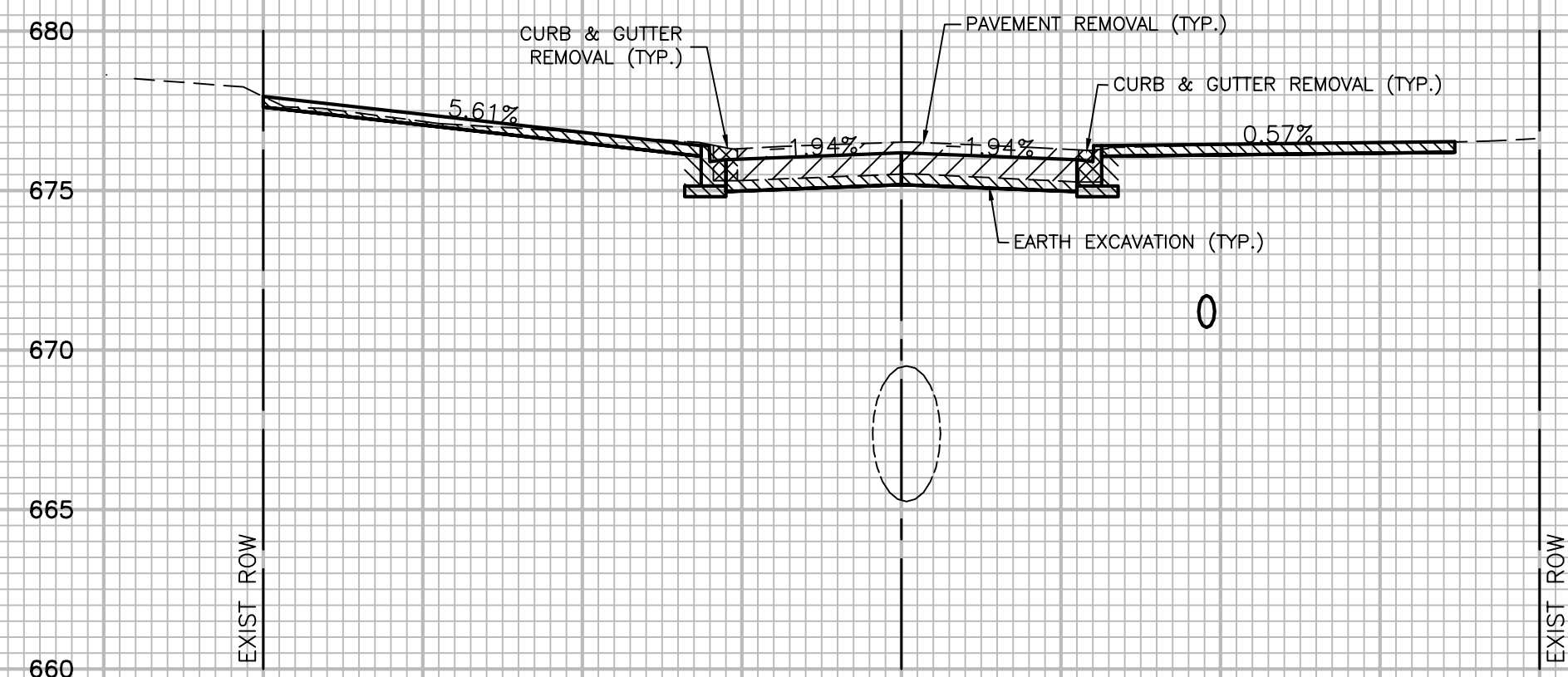
TOTAL BILL OF MATERIALS

DESCRIPTION	UNIT	QTY.
JUNCTION CHAMBER NO. 1	EACH	1

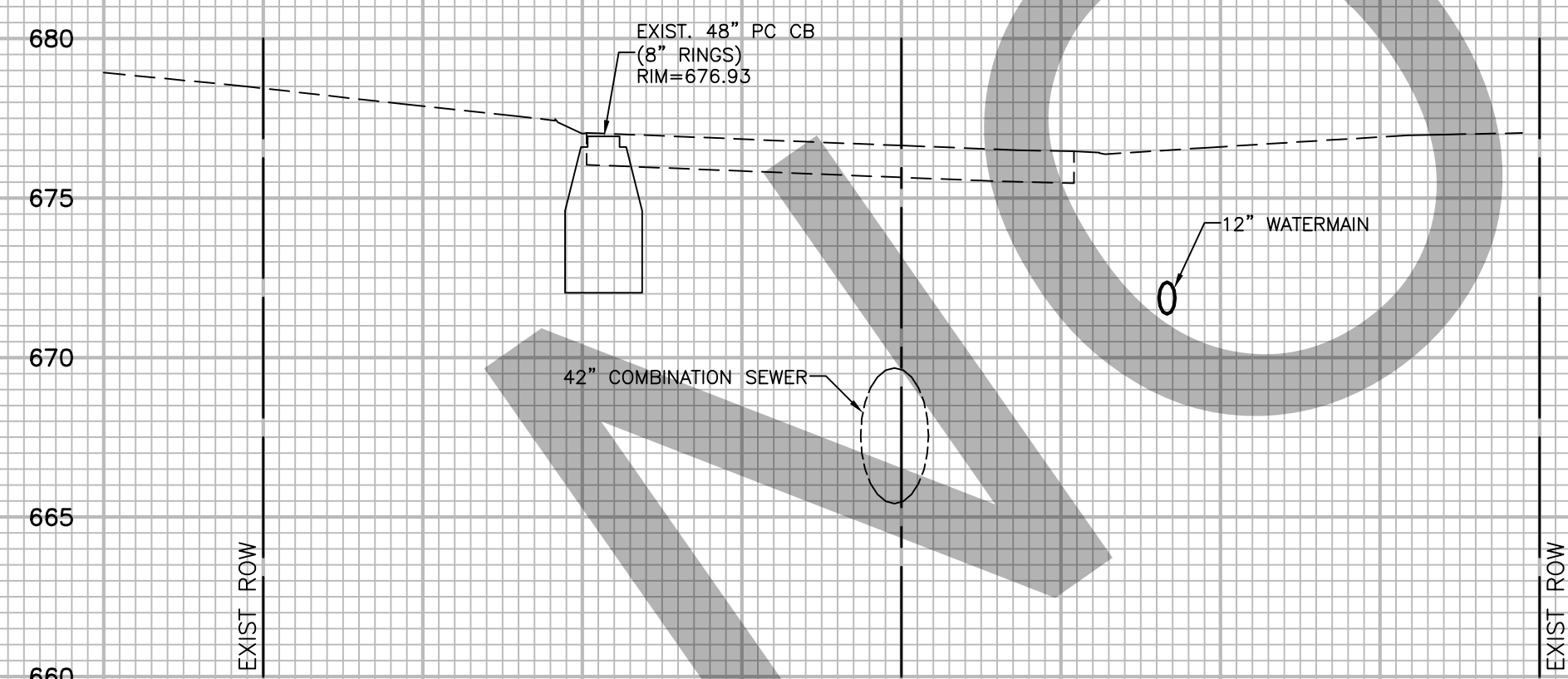
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PARK BOULEVARD RECONSTRUCTION PARK BOULEVARD JUNCTION CHAMBER STRUCTURAL NOTES		No.	Remarks
VILLA PARK, ILLINOIS		Date	
Drawn by: K.W.M.	Date: 09-16-15		
Checked by: C.J.K.	Scale: NA		
Sheet ---- of 36	Project No. 13-583		



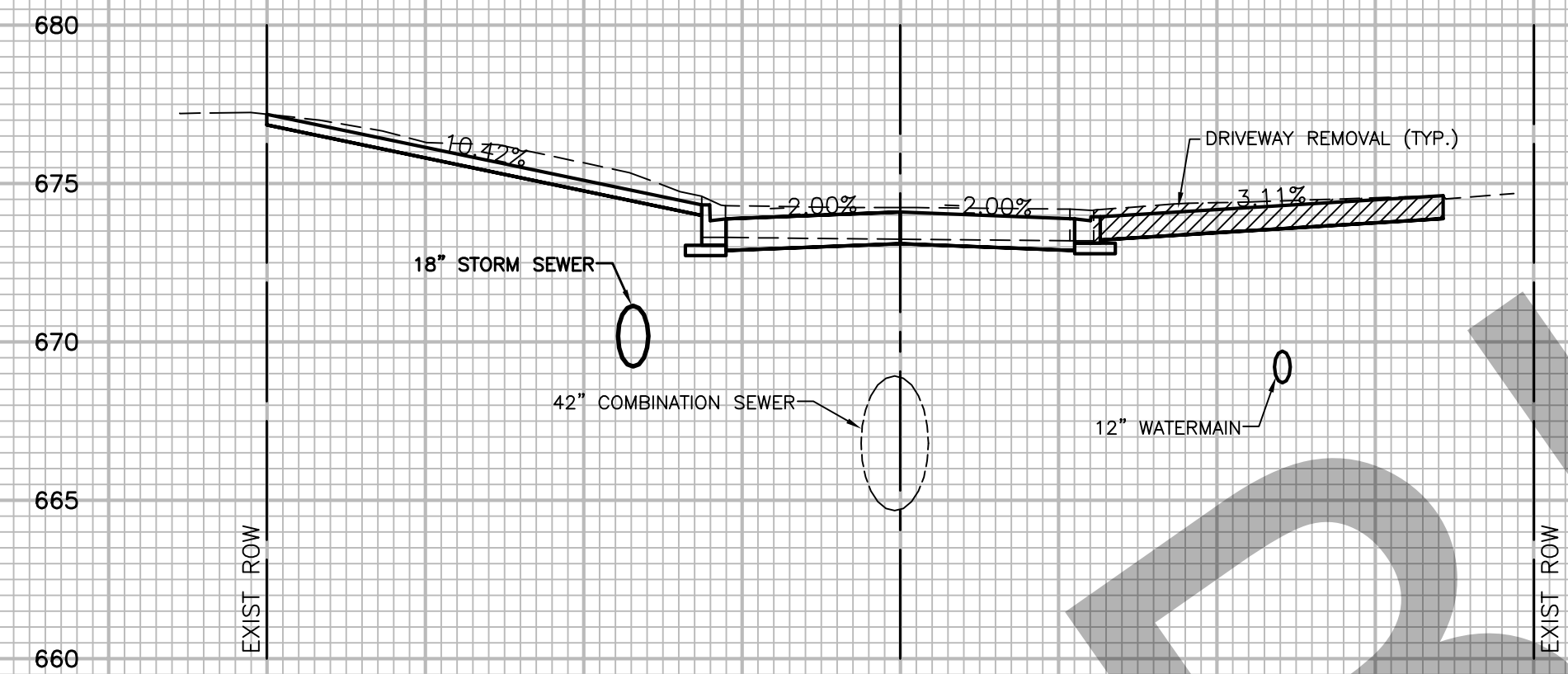
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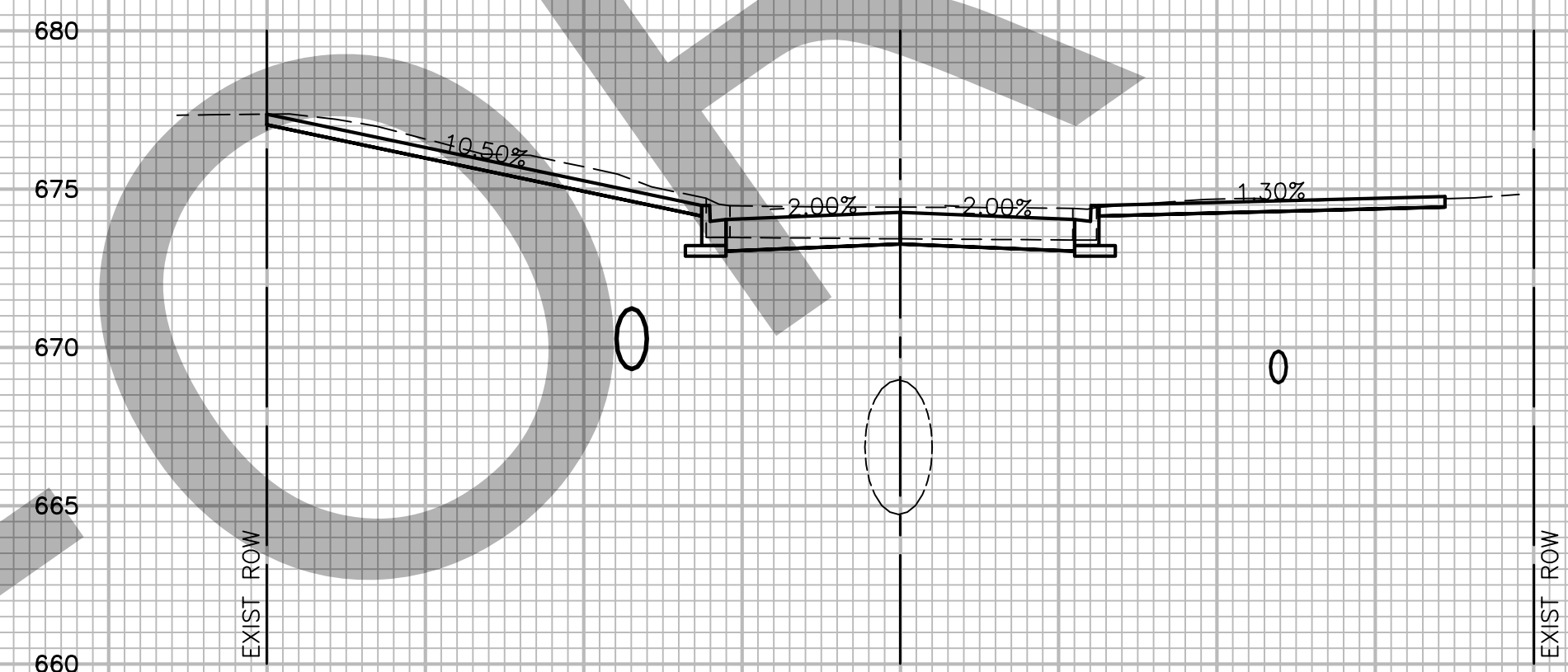
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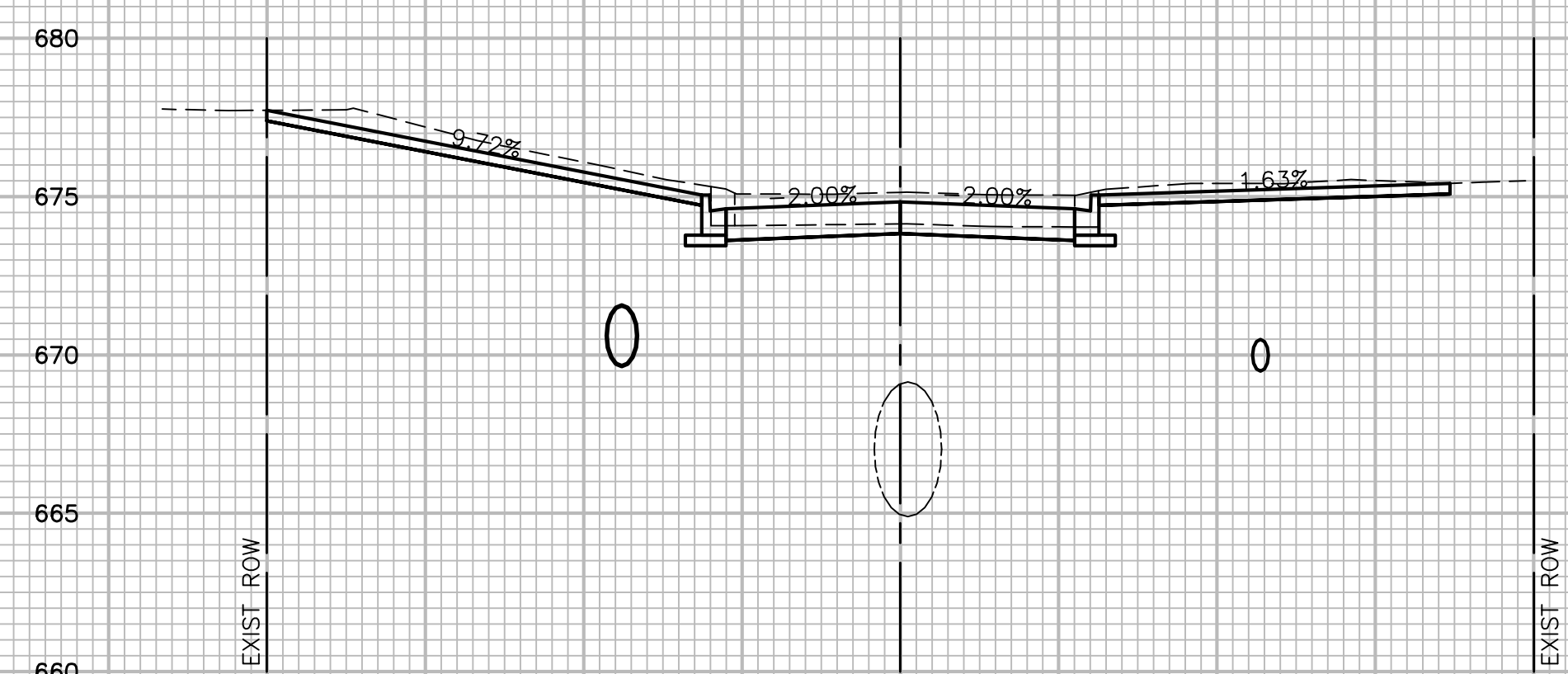
14+50
C=0.0 F=0.0



16+63.89
C=55.8 F=0.0



16+50
C=45.4 F=0.0



16+00
C=53.0 F=0.0

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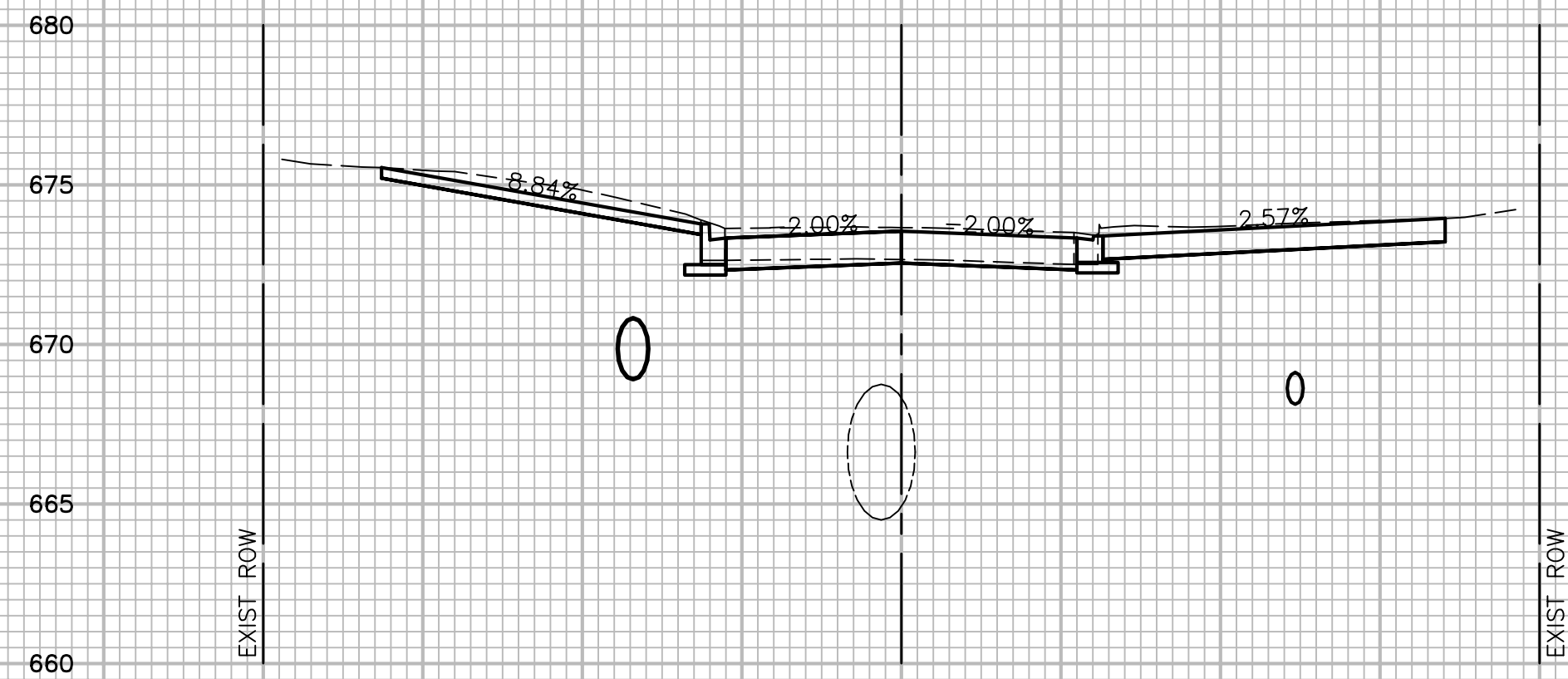
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**PARK BOULEVARD RECONSTRUCTION
PARK BOULEVARD
CROSS SECTIONS**

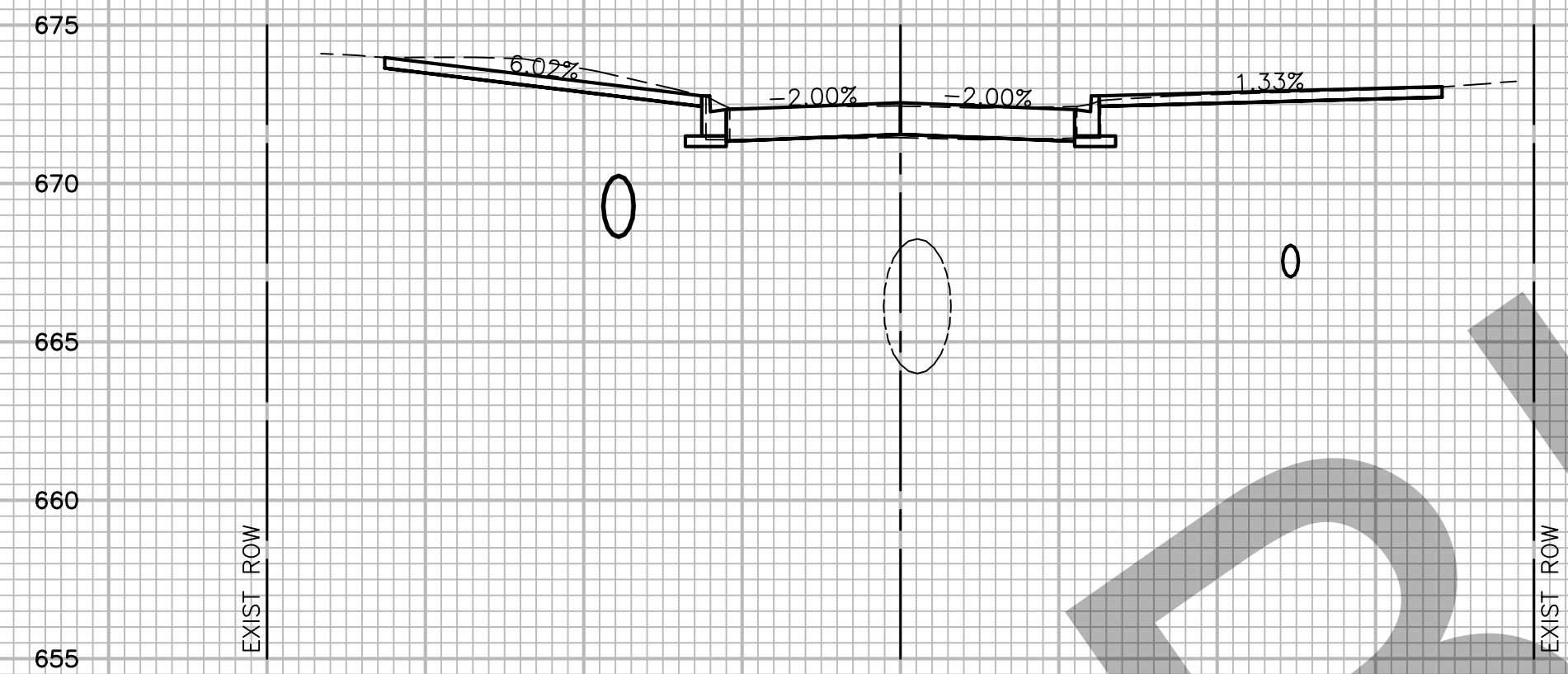
VILLA PARK, ILLINOIS

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Sheet 22 of 36 Project No. 13-583

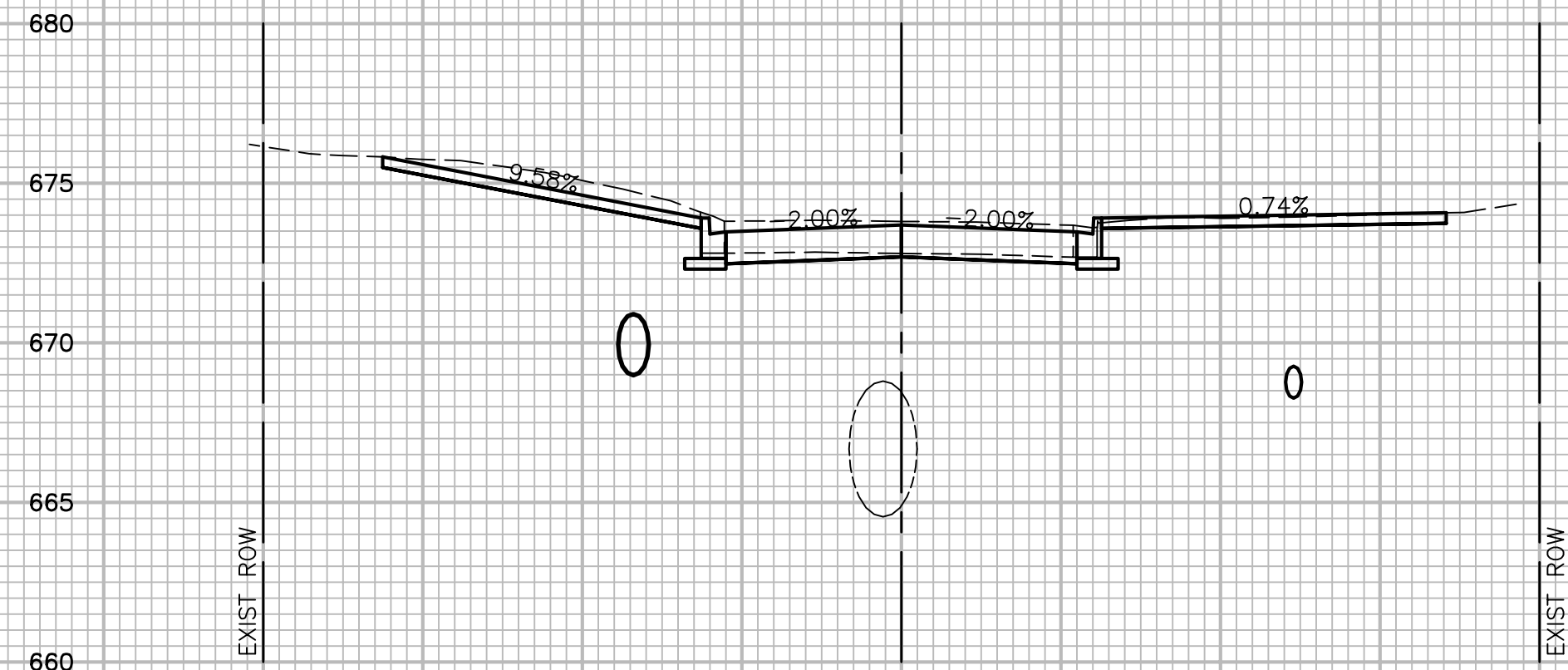
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No.	Date	Remarks



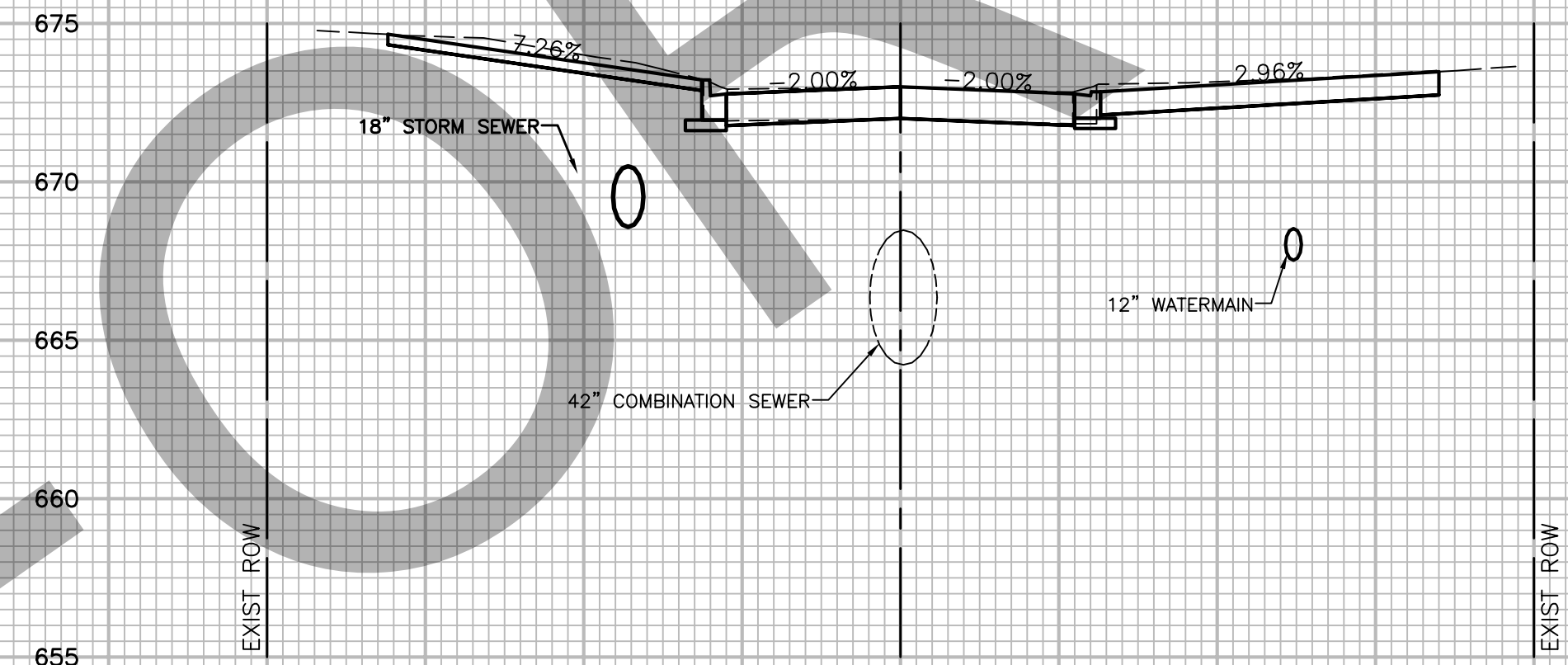
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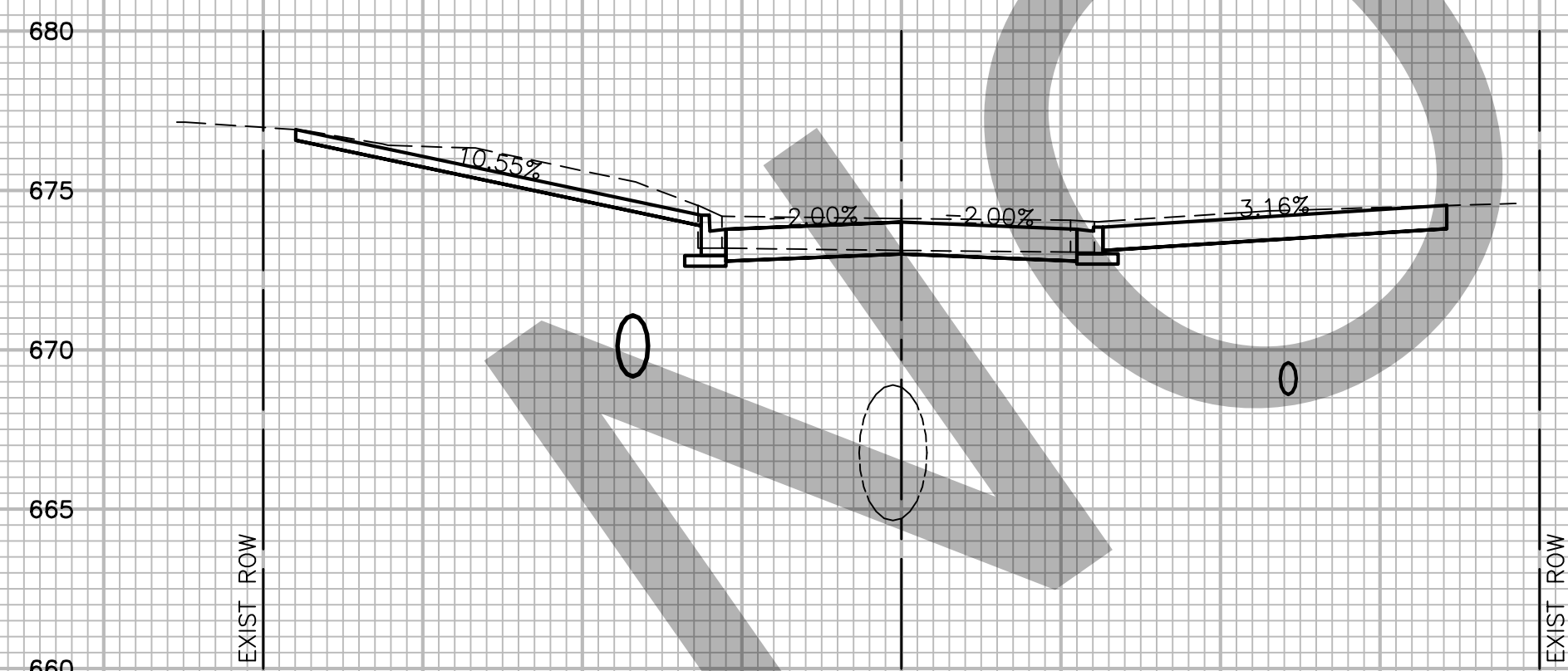
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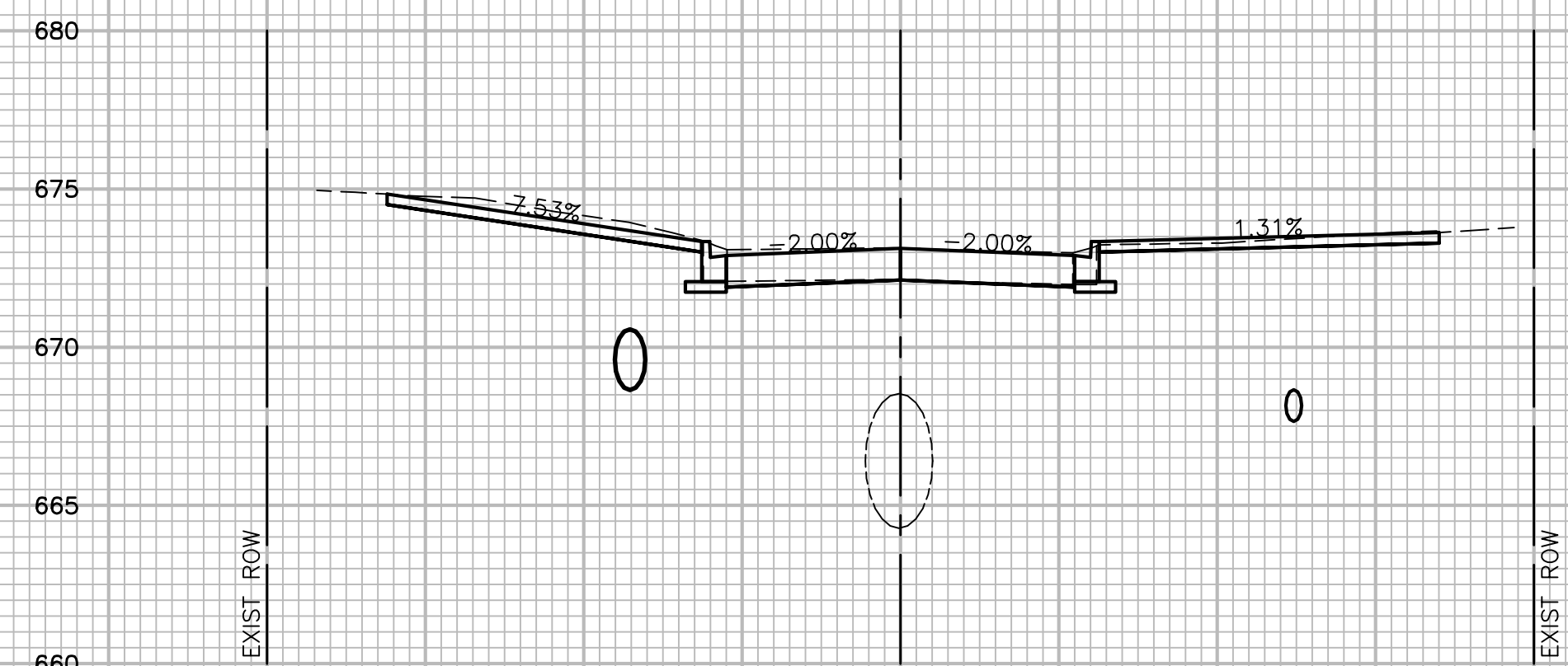
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17+60.49
C=40.5 F=0.0



16+72.62
C=54.3 F=0.0



17+50
C=31.6 F=0.0

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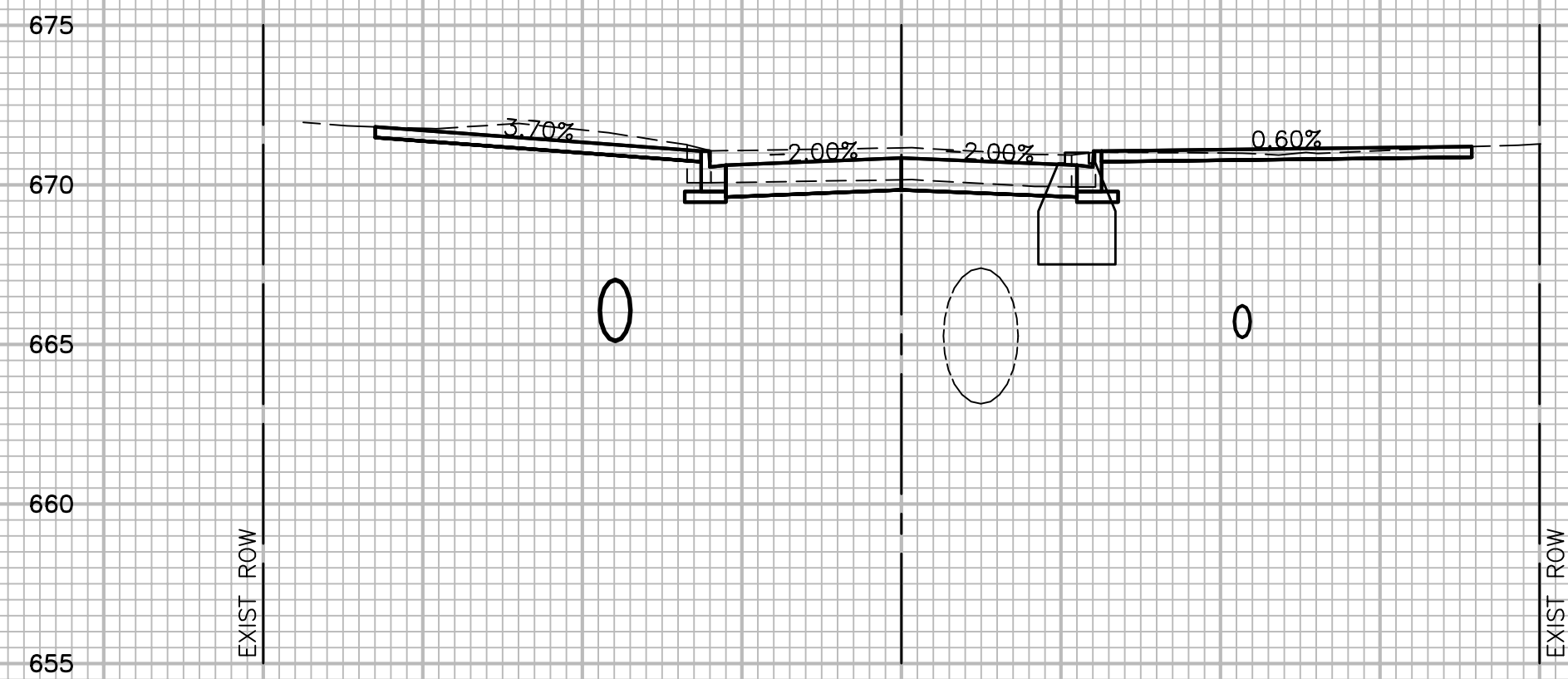
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PARK BOULEVARD
CROSS SECTIONS**

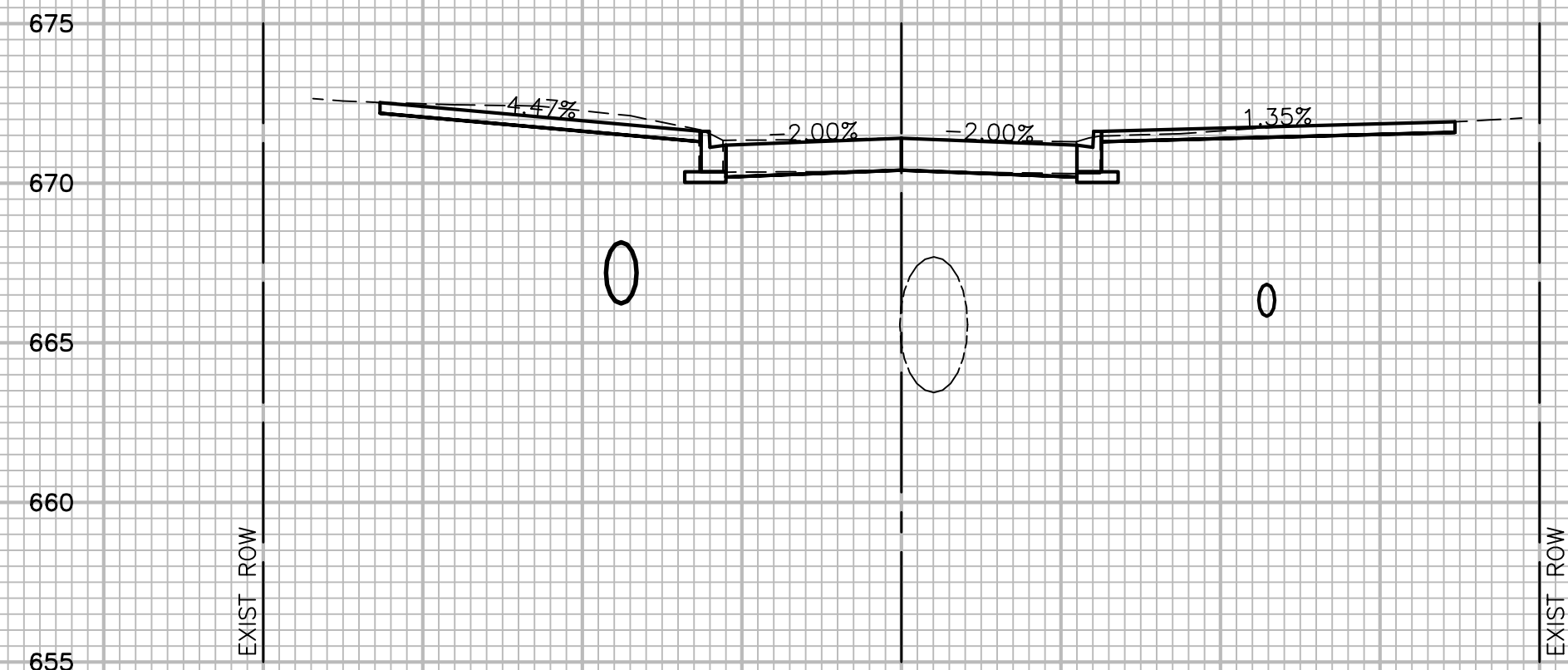
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Sheet 23 of 36 Project No. 13-583

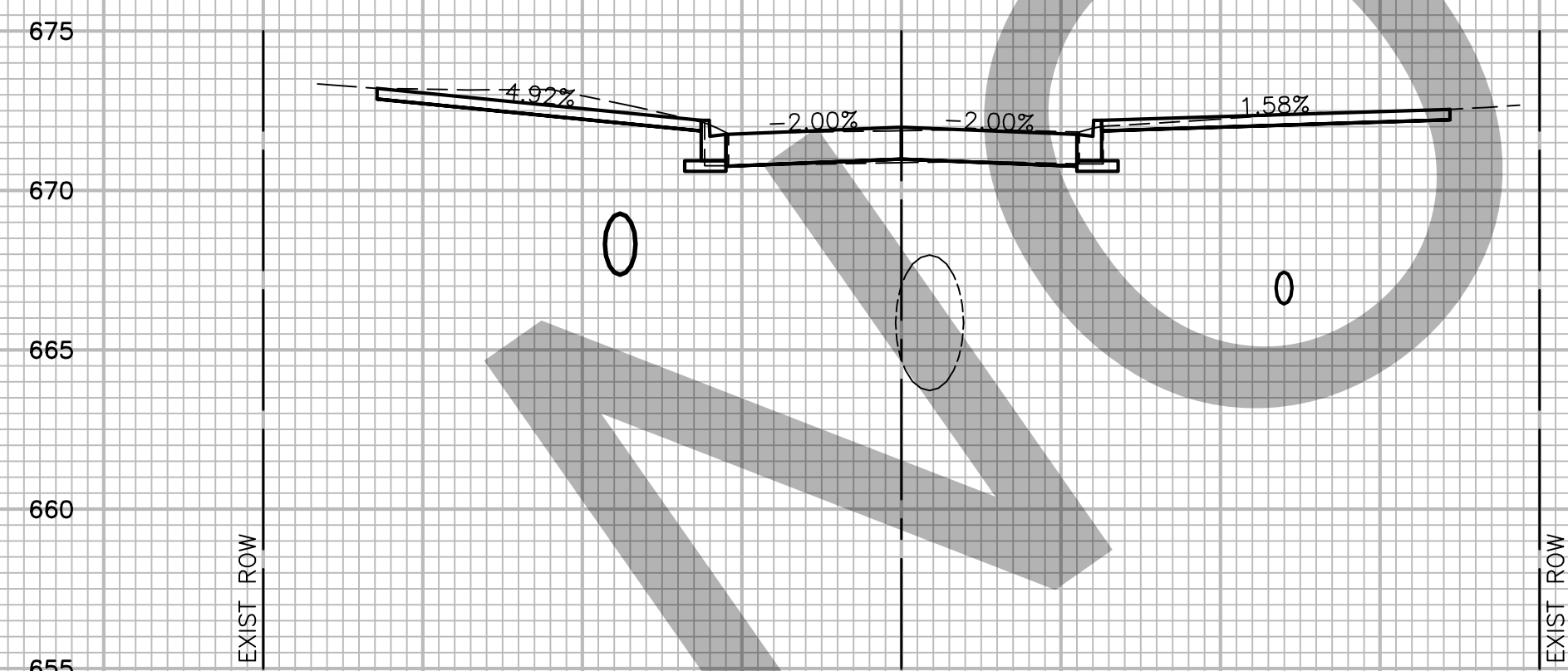
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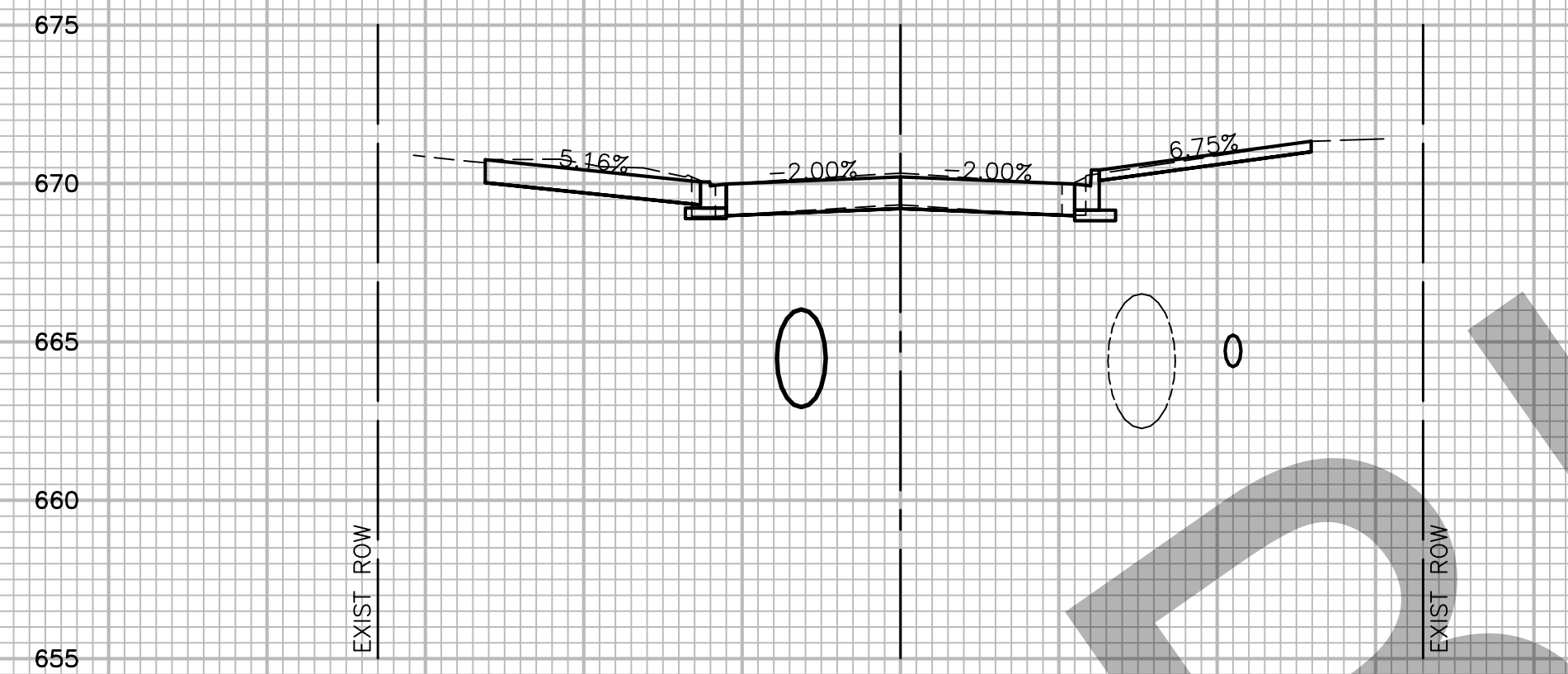
19+50
C=38.8 F=0.0



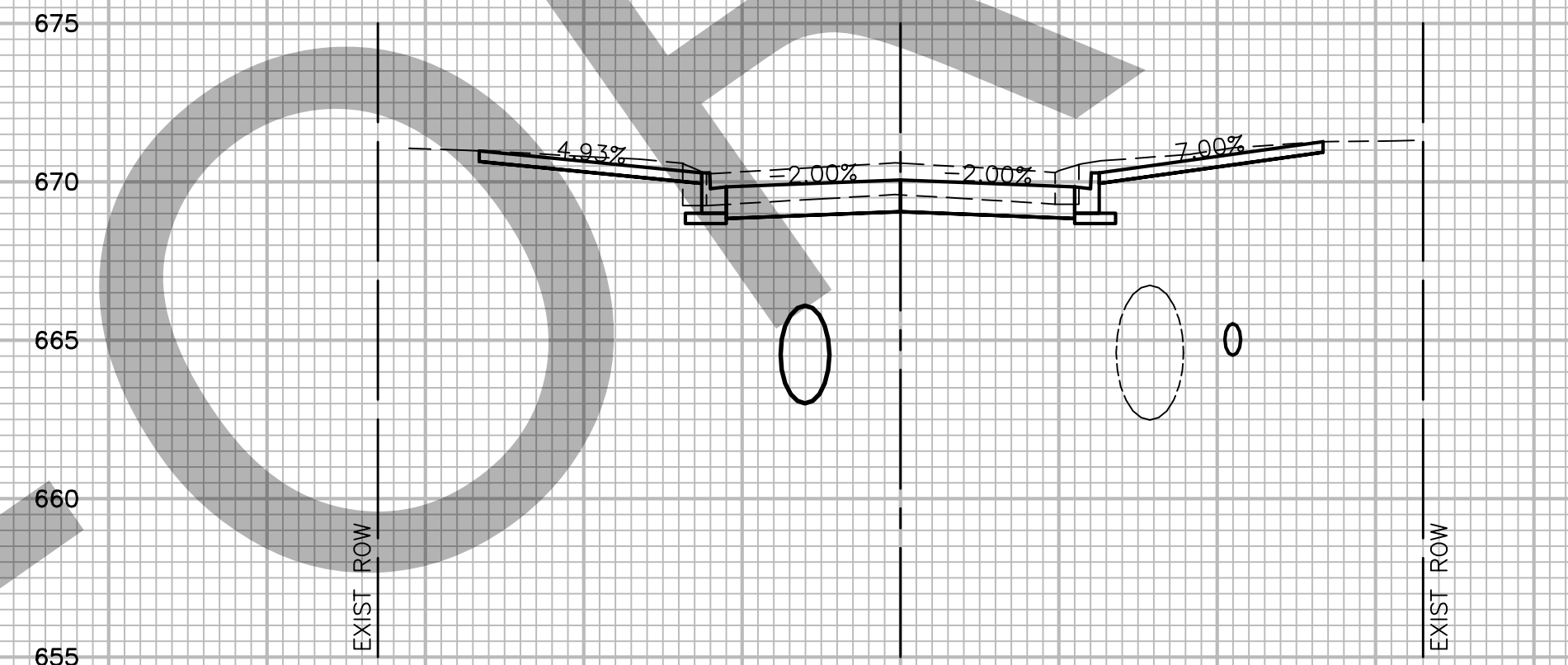
19+00
C=31.3 F=0.0



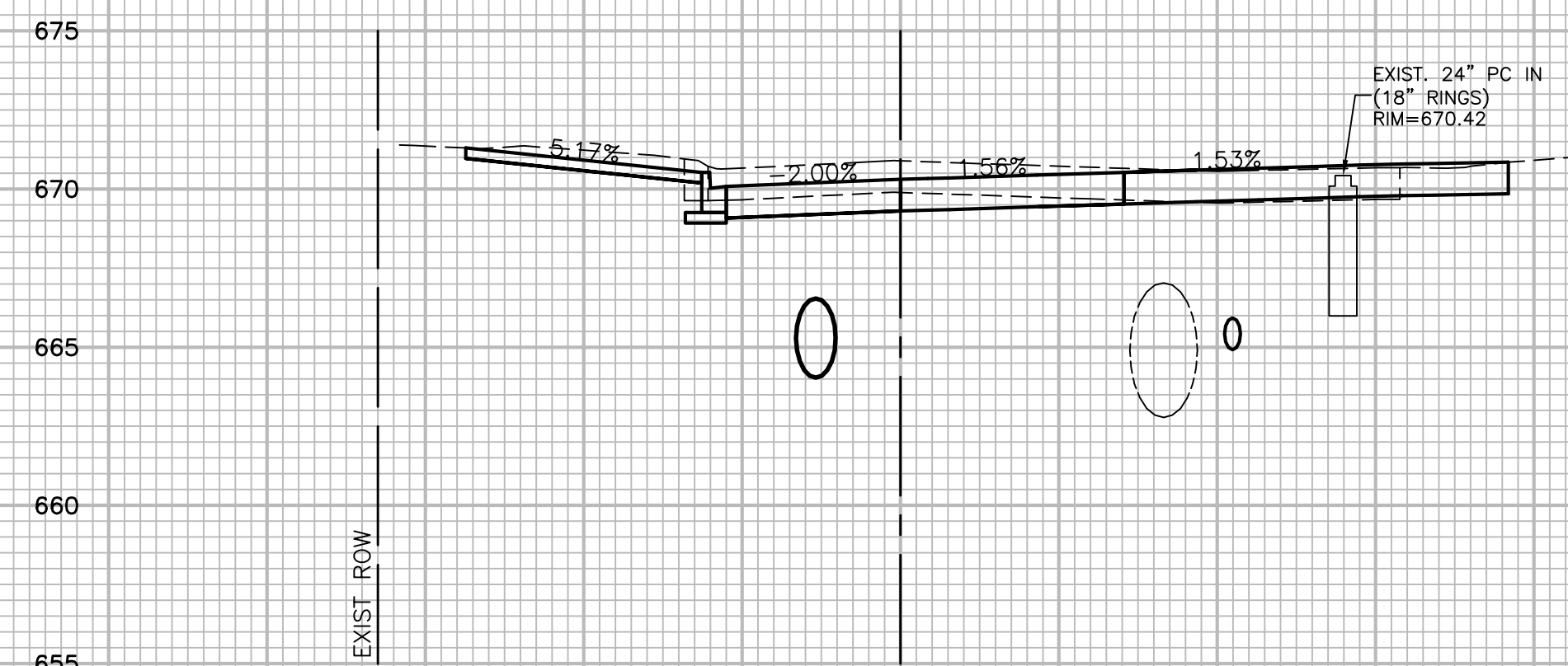
18+50
C=31.2 F=0.0



20+91.20
C=28.4 F=0.0



20+50
C=38.3 F=0.0



19+97.68
C=83.9 F=0.0

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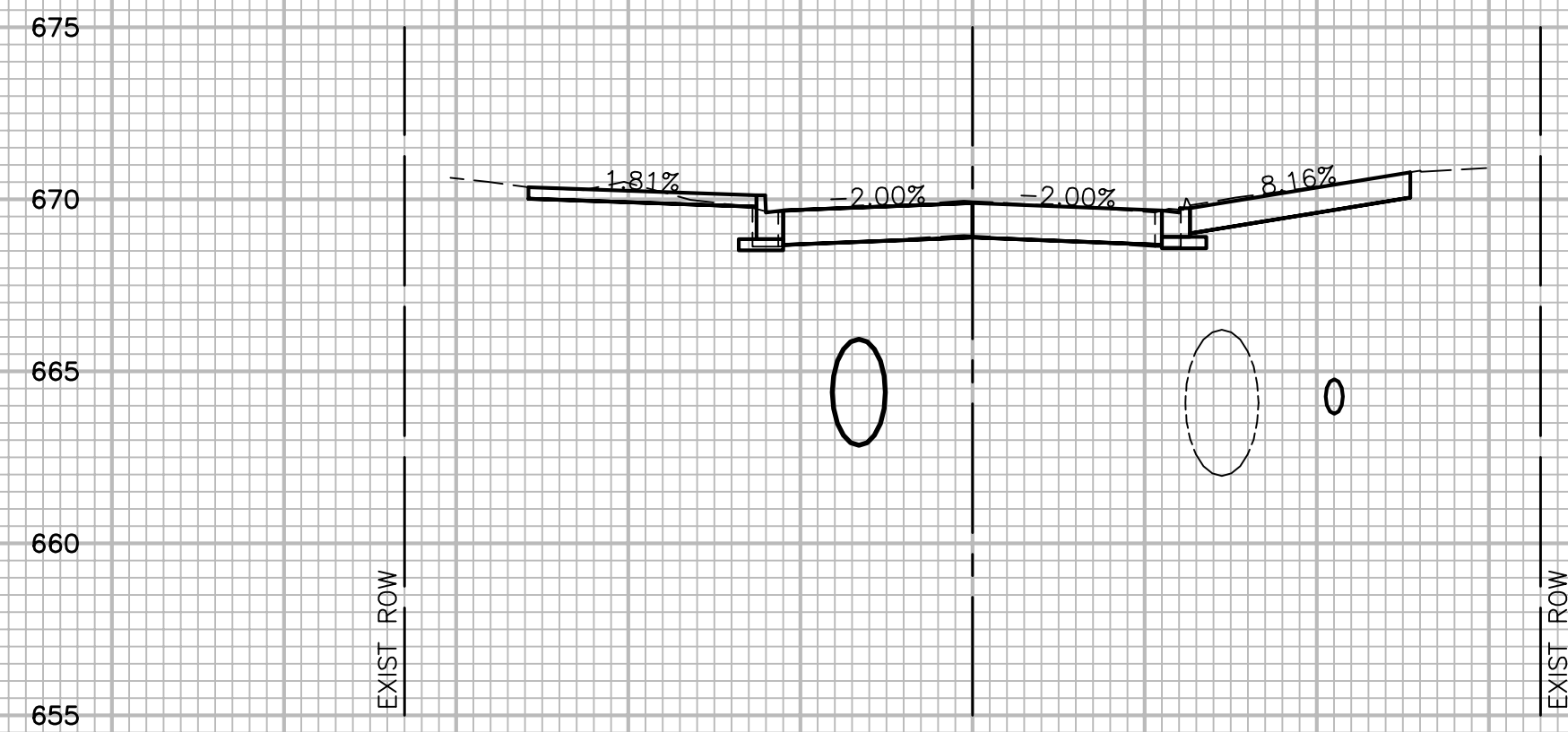
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**PARK BOULEVARD RECONSTRUCTION
PARK BOULEVARD
CROSS SECTIONS**

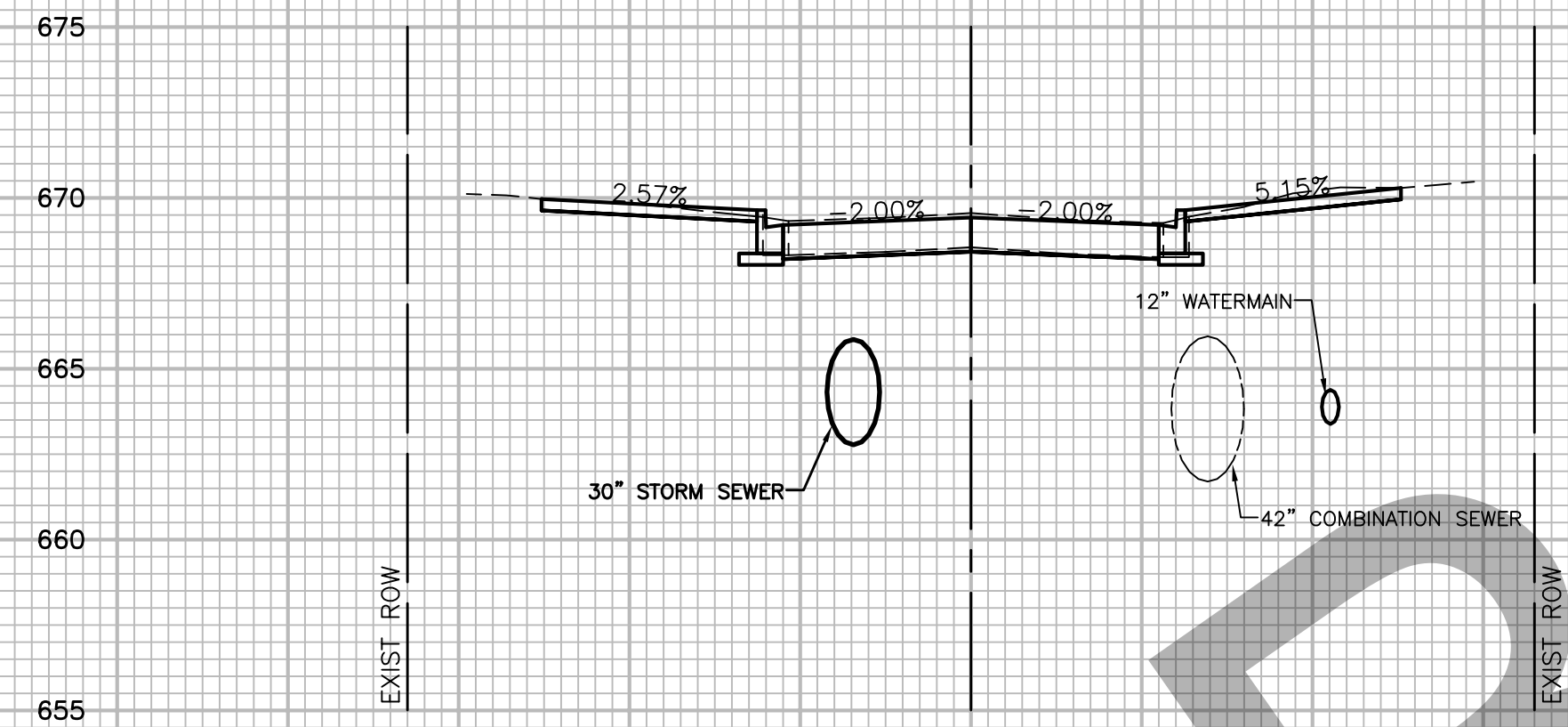
VILLA PARK, ILLINOIS

Drawn by: K.W.M. Date: 09-16-15
Checked by: C.J.K. Scale: H 1"=10' V 1"=5'
Sheet 24 of 36 Project No. 13-583

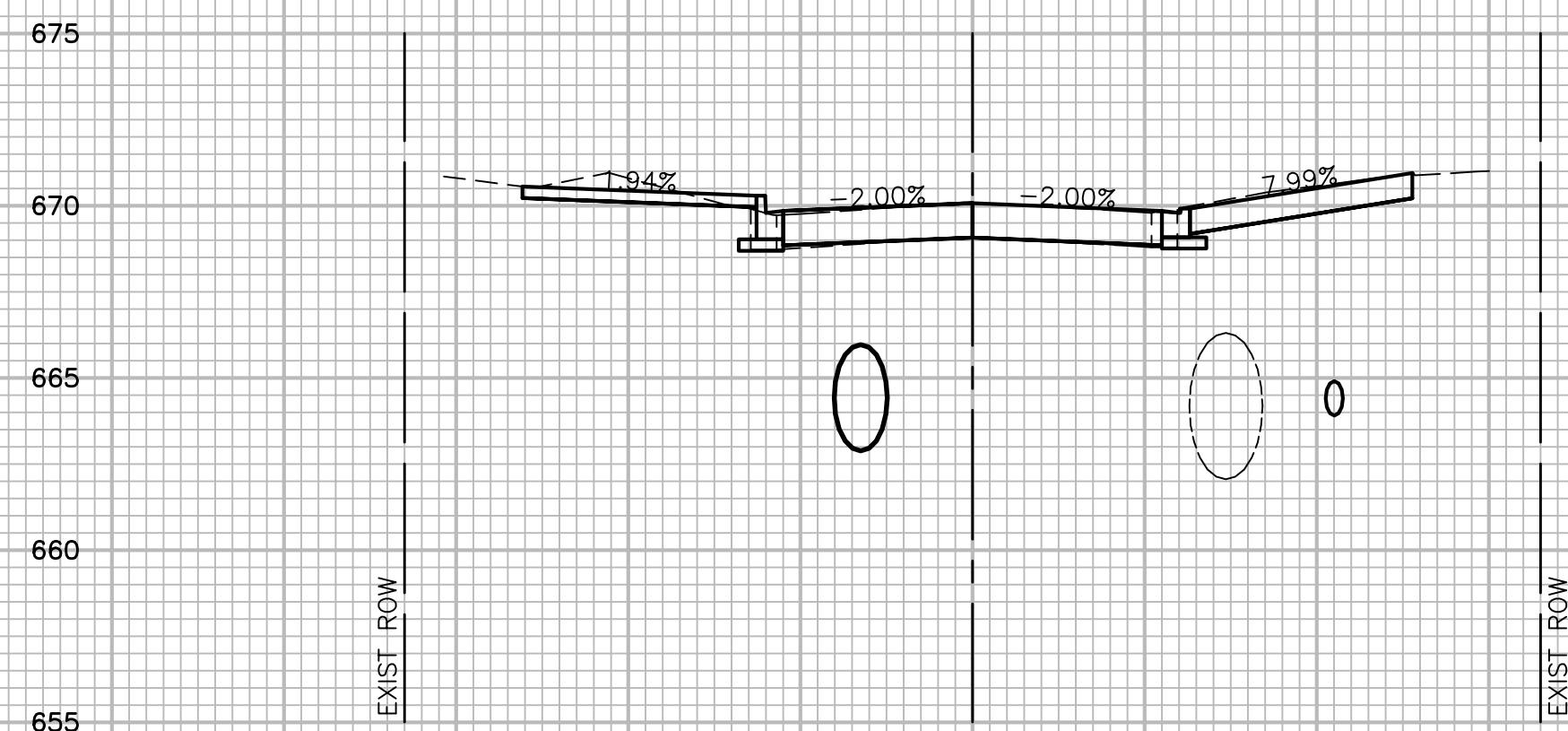
REVISIONS		
No.	Date	Remarks



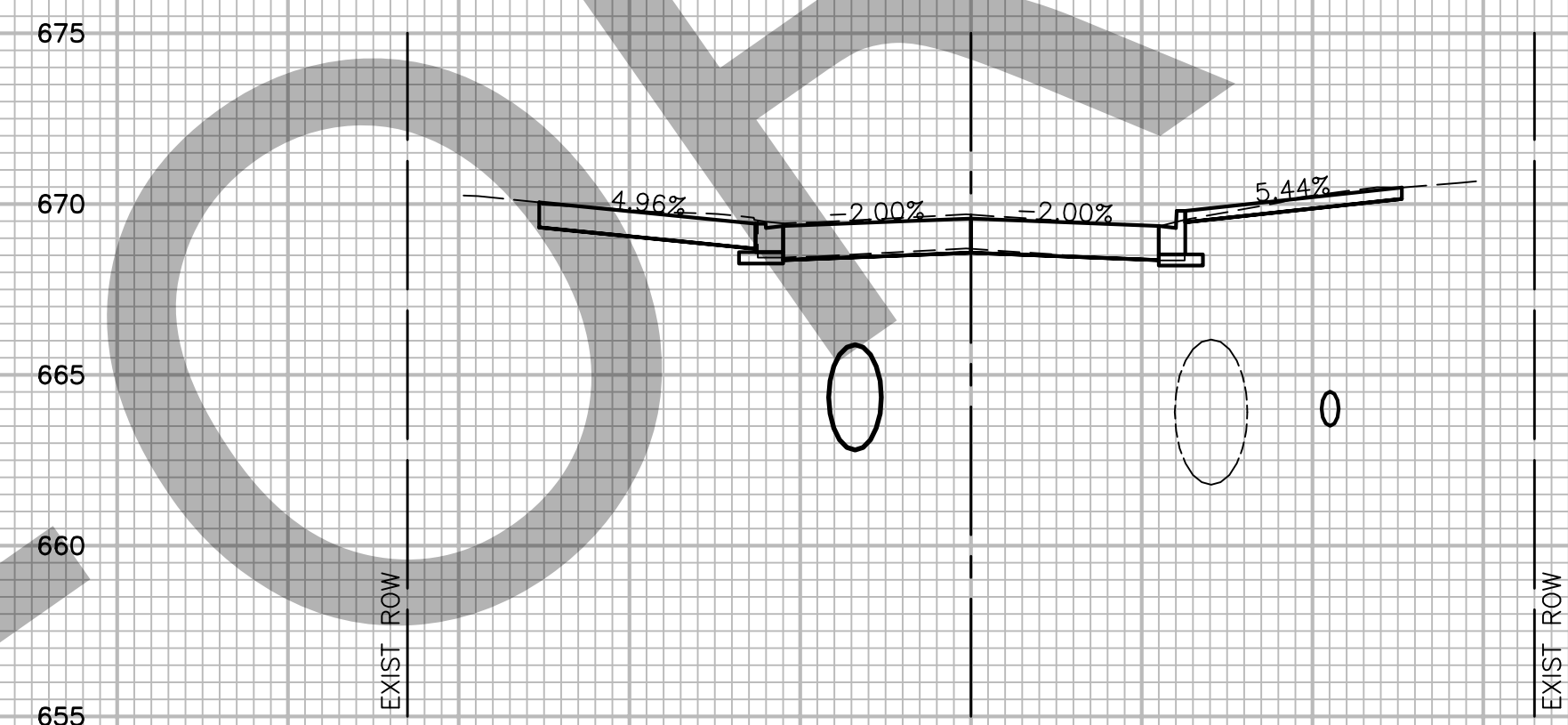
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C=24.6 F=0.0



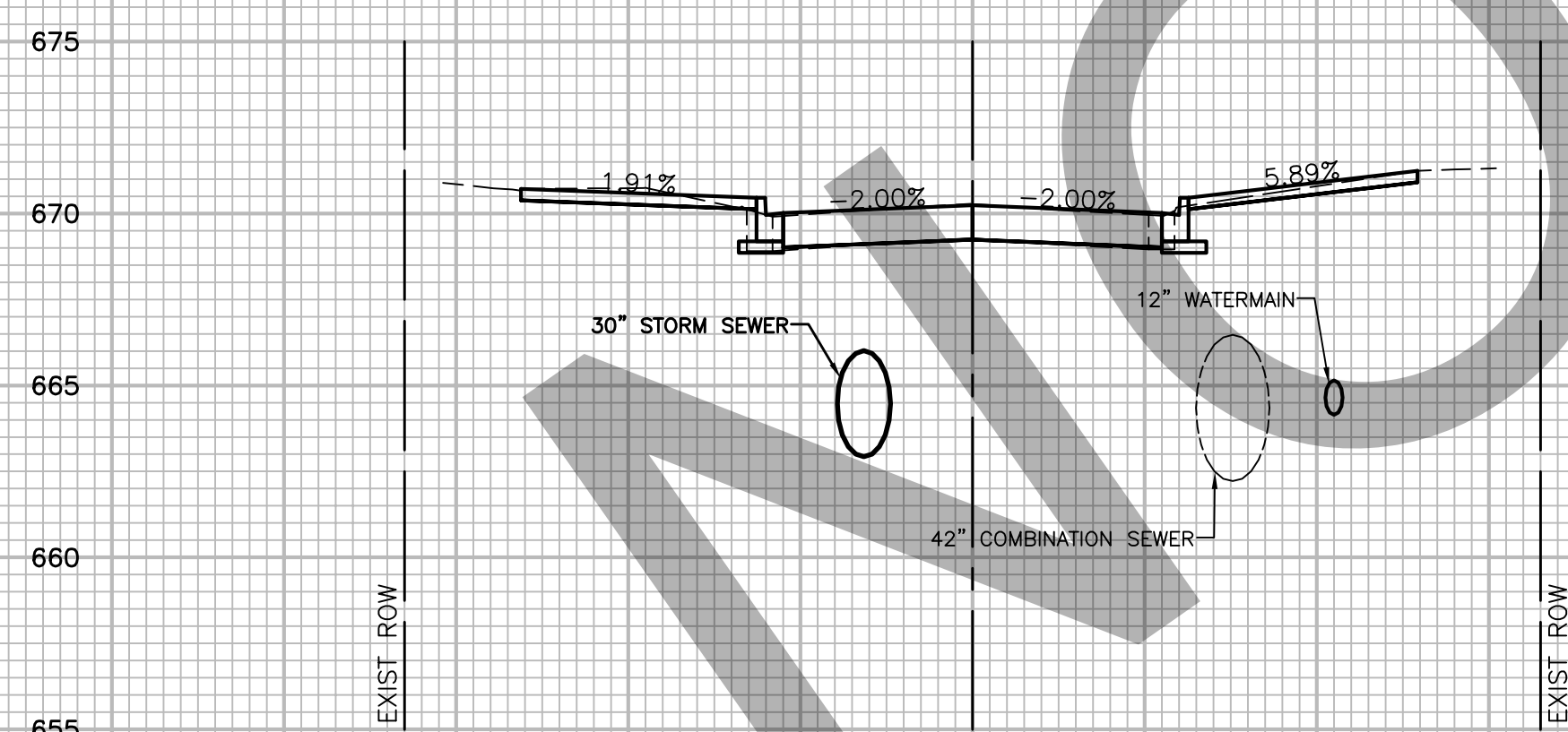
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C=23.6 F=0.0



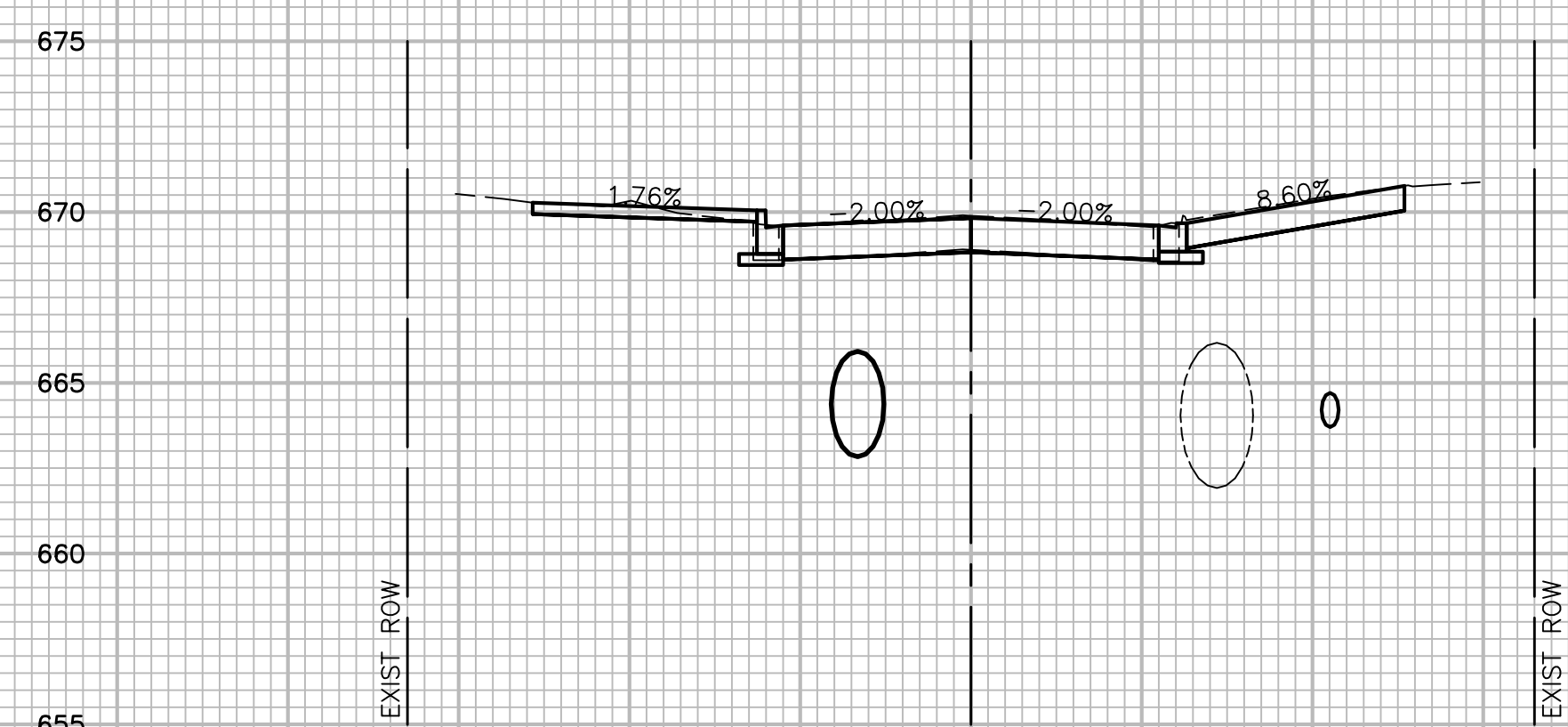
21+31.46
C=25.6 F=0.0



21+83.79
C=26.7 F=0.0



21+00
C=19.2 F=0.0



21+57.34
C=24.5 F=0.0

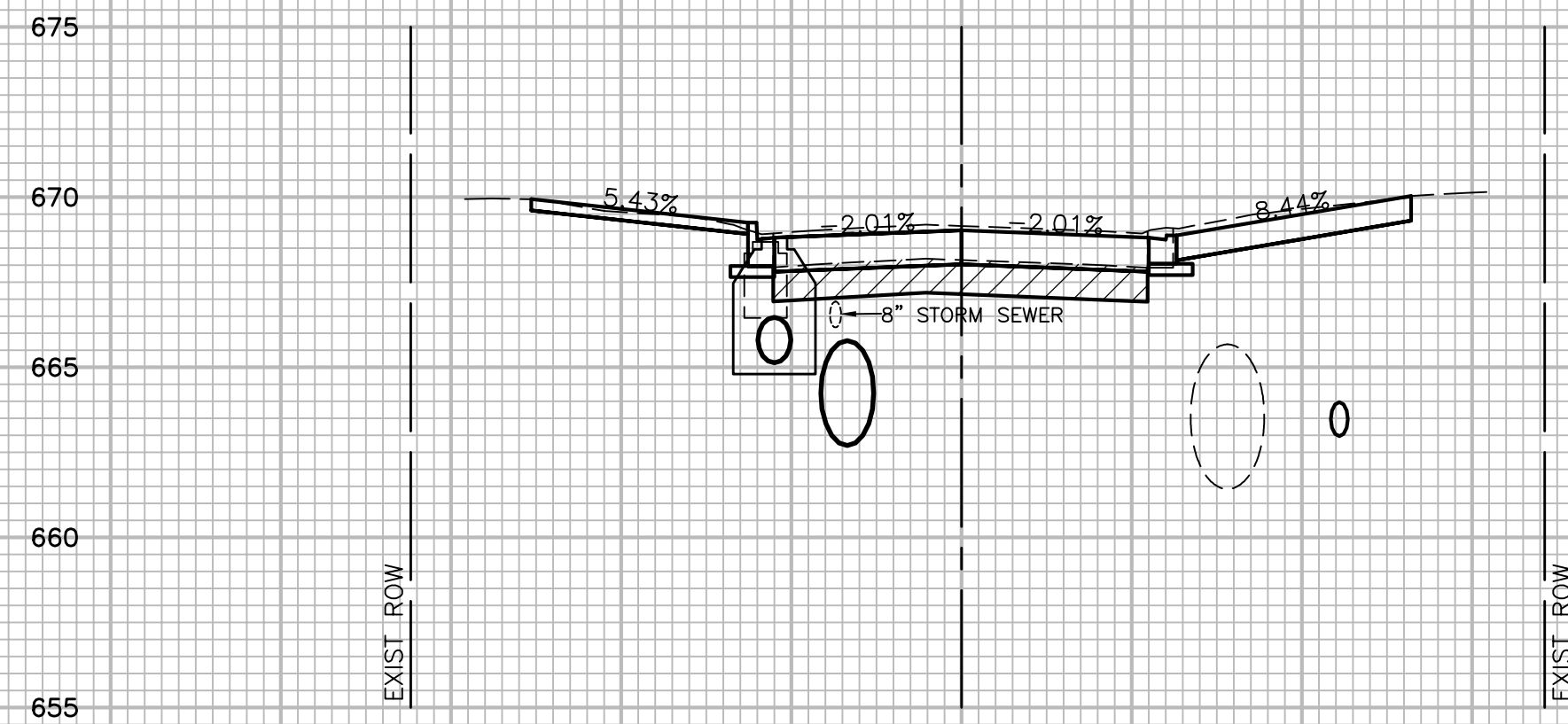
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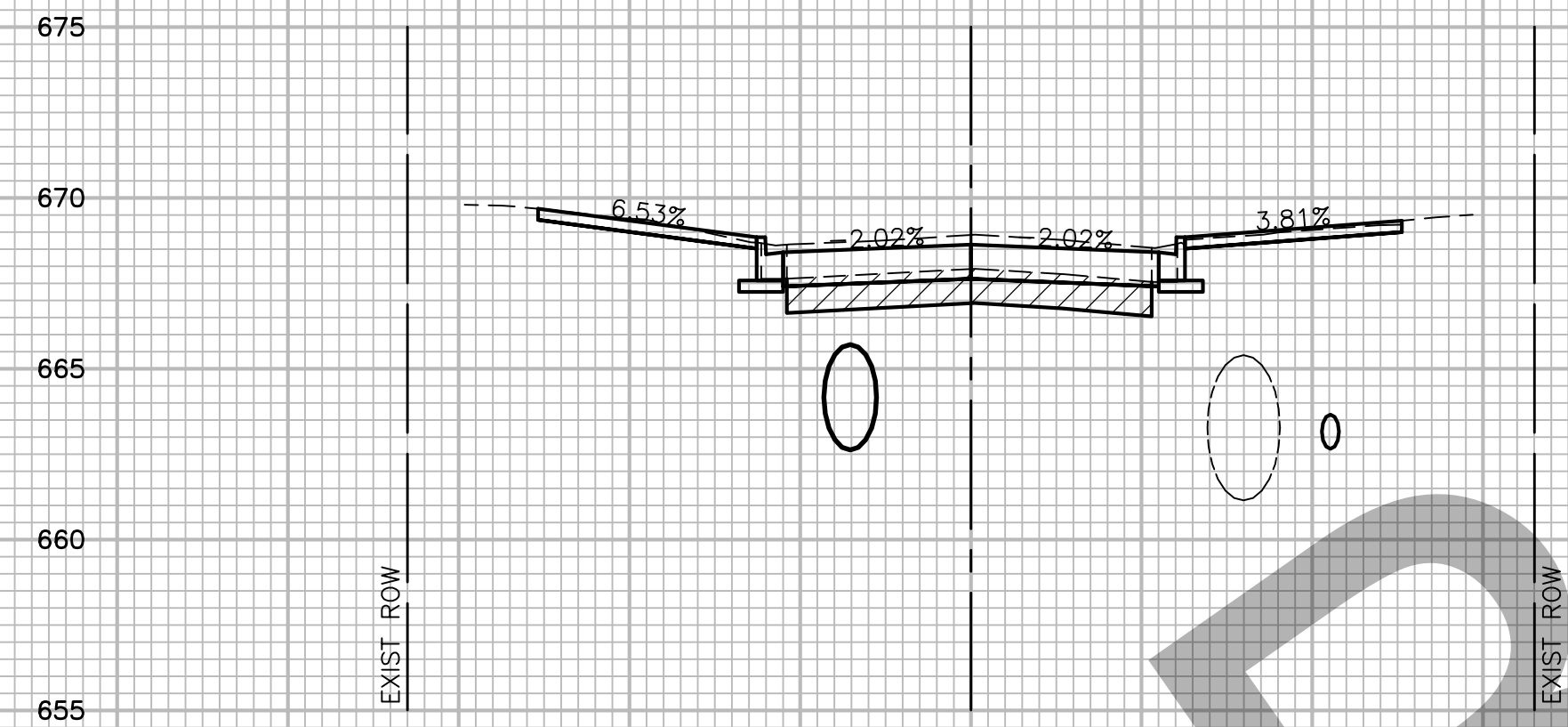
VILLA PARK, ILLINOIS

Drawn by: K.W.M. Date: 09-16-15
Checked by: C.J.K. Scale: H 1"=10' V 1"=5'
Sheet 25 of 36 Project No. 13-583

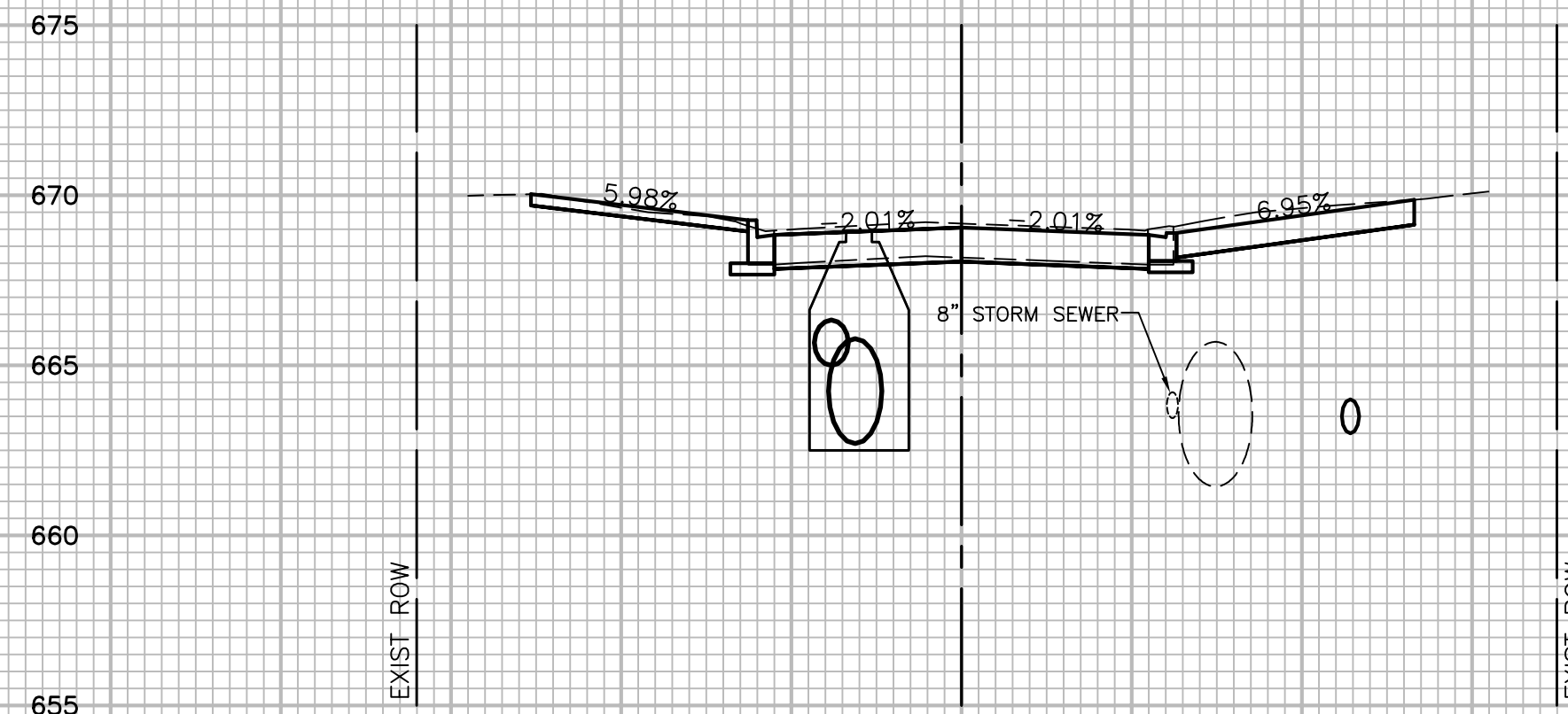
REVISIONS		
No.	Date	Remarks



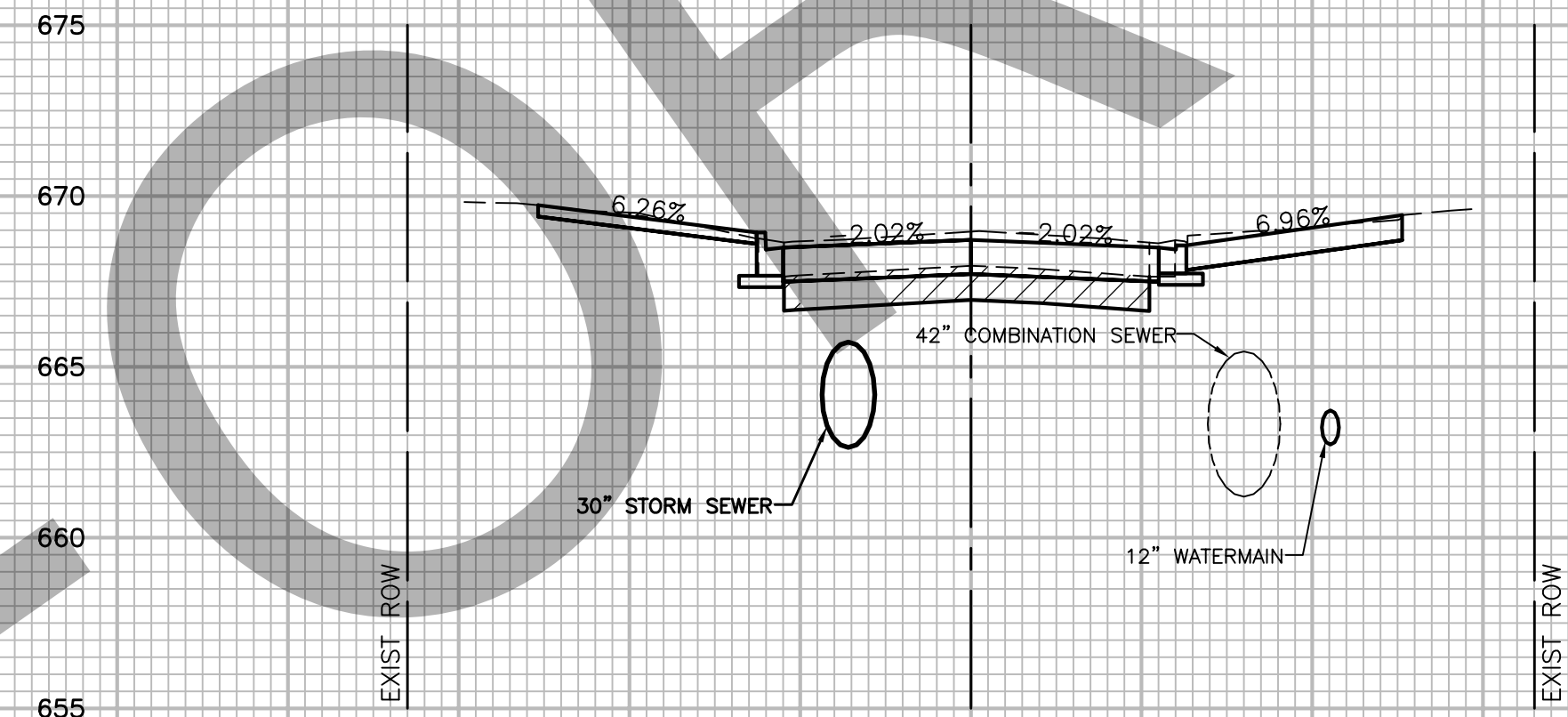
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C=43.7 F=0.0



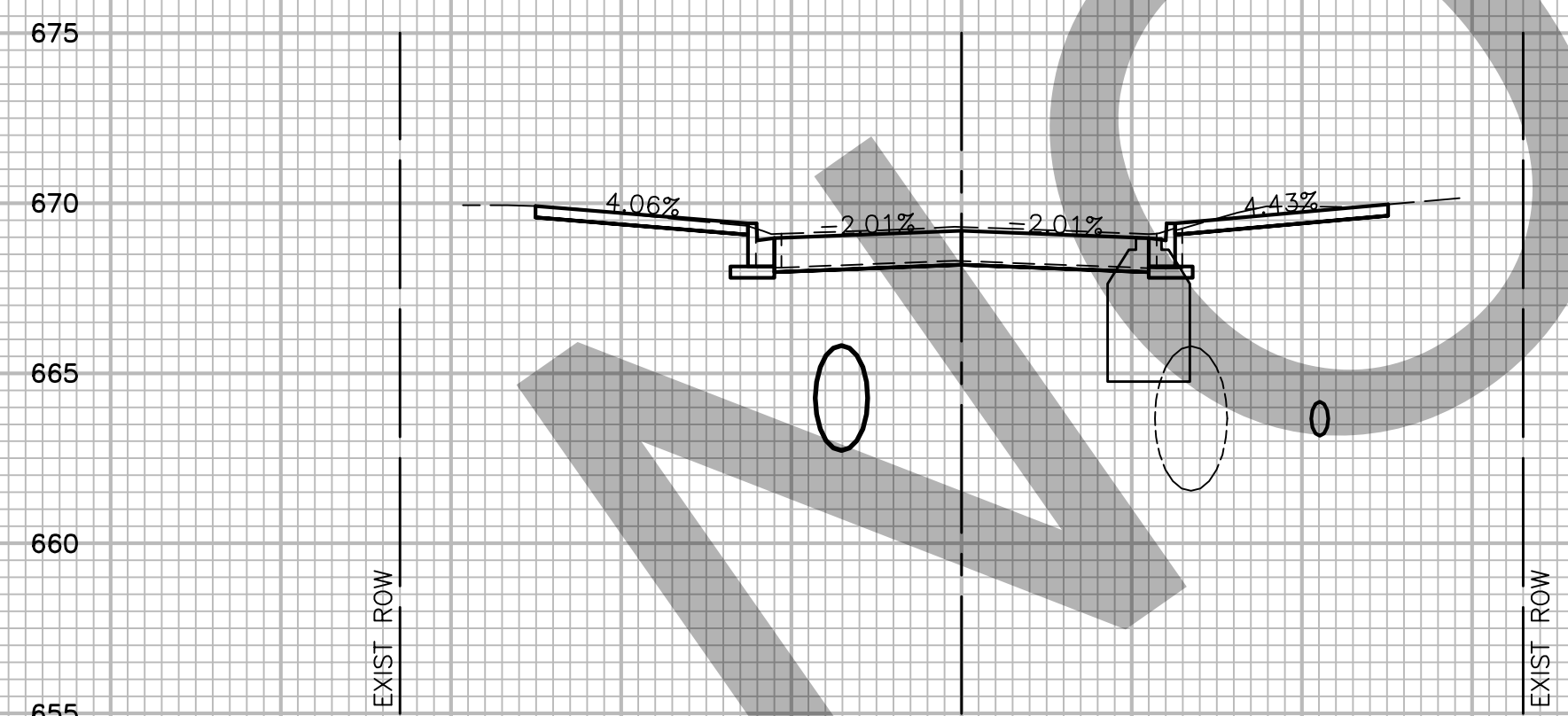
23+00
C=37.0 F=0.0



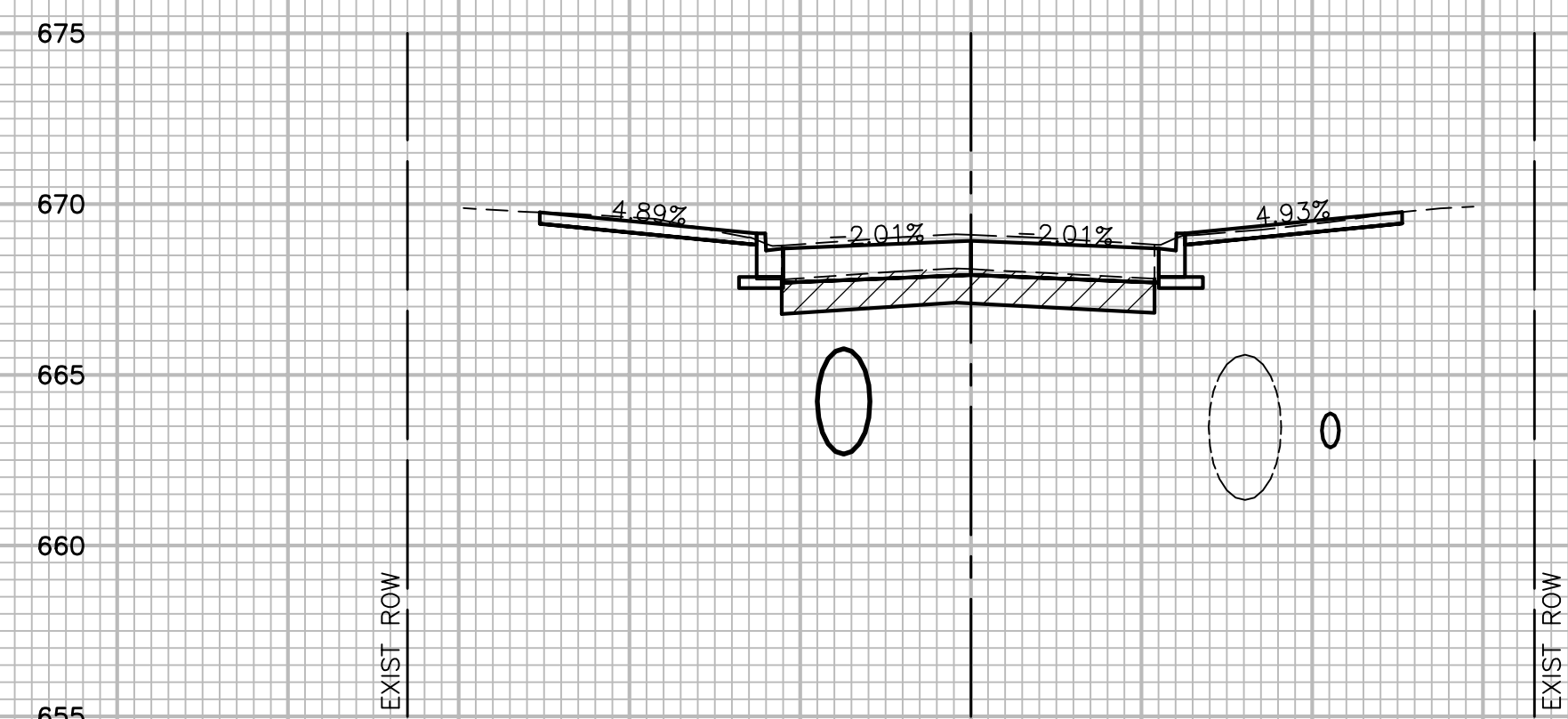
22+46.57
C=30.6 F=0.0



22+89.58
C=43.2 F=0.0



22+29.44
C=24.5 F=0.0



22+63.70
C=37.2 F=0.0

NOTE:
APPROXIMATE STATION 22+50 TO STATION 25+50
HAS POSSIBLE TOPSOIL TO 2 FEET BELOW TOP OF
EXISTING PAVEMENT. THE GEOTECHNICAL ENGINEER
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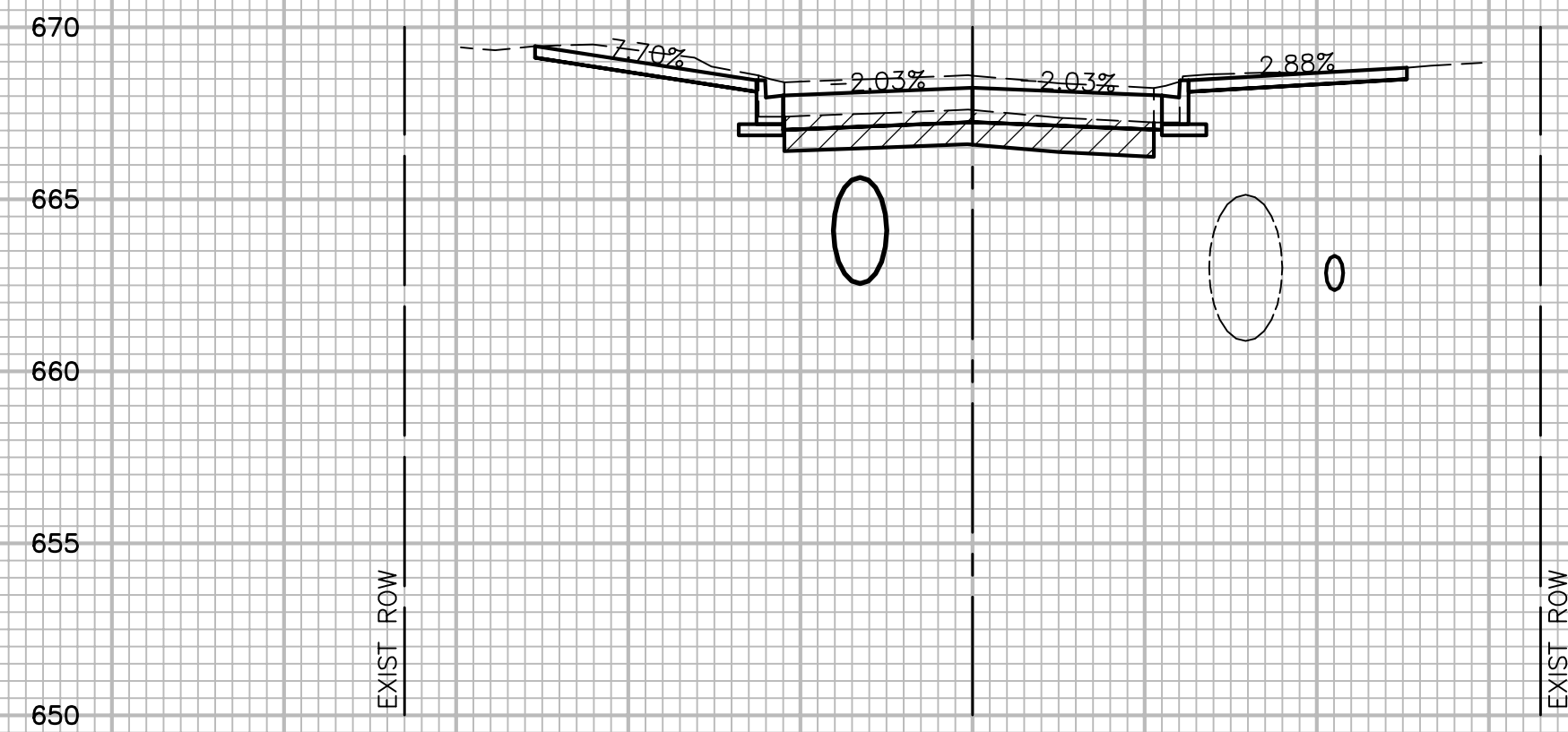
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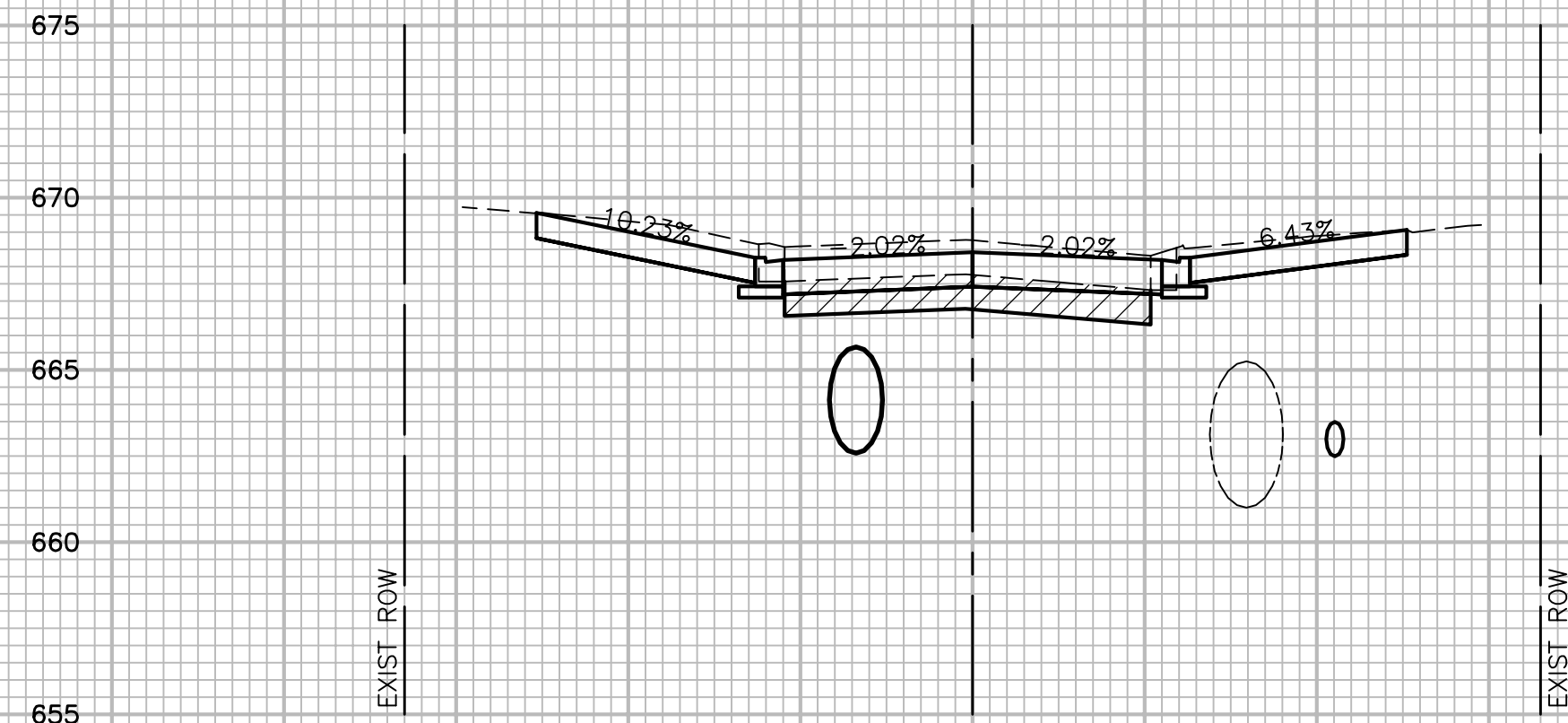
VILLA PARK, ILLINOIS

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Checked by: C.J.K. Scale: H 1"=10' V 1"=5'
Sheet 26 of 36 Project No. 13-583

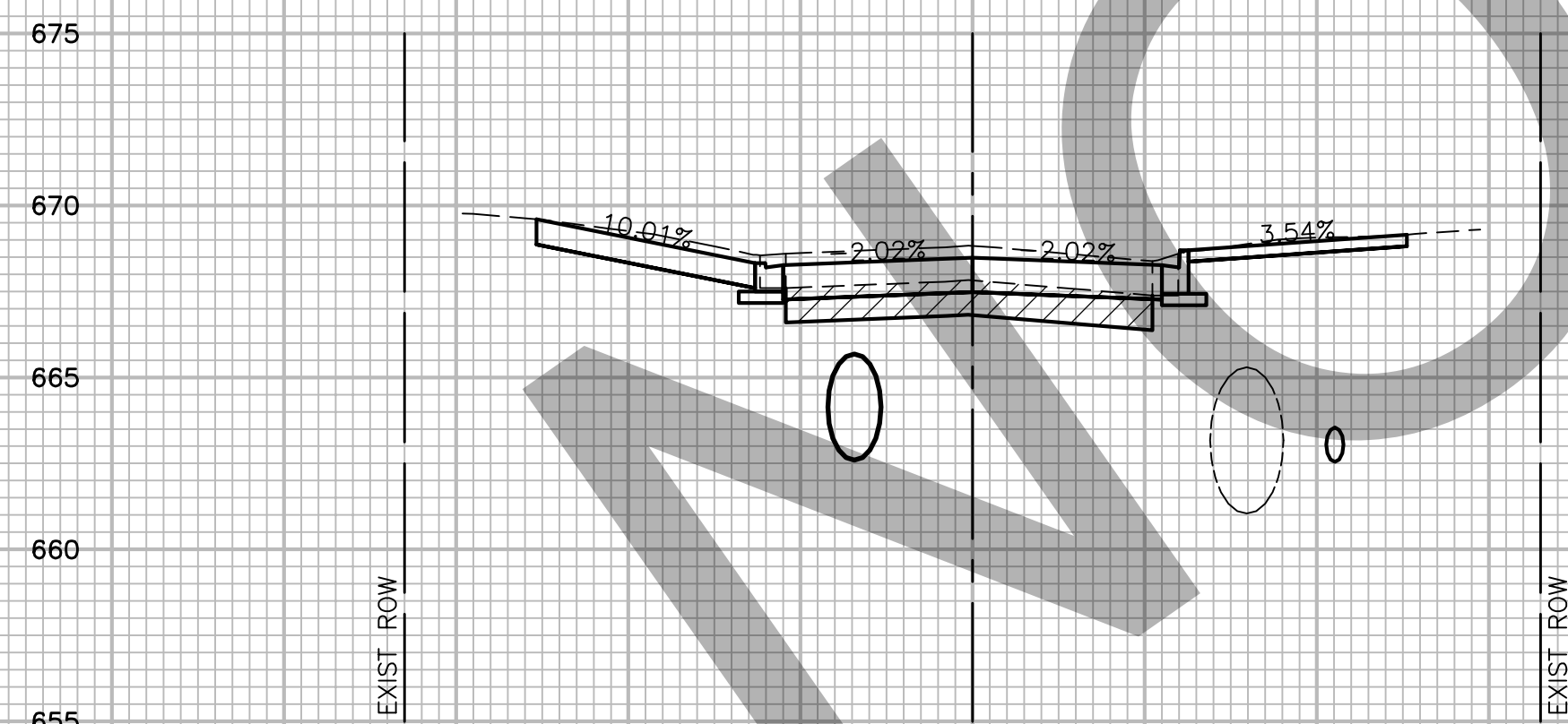
REVISIONS		
No.	Date	Remarks



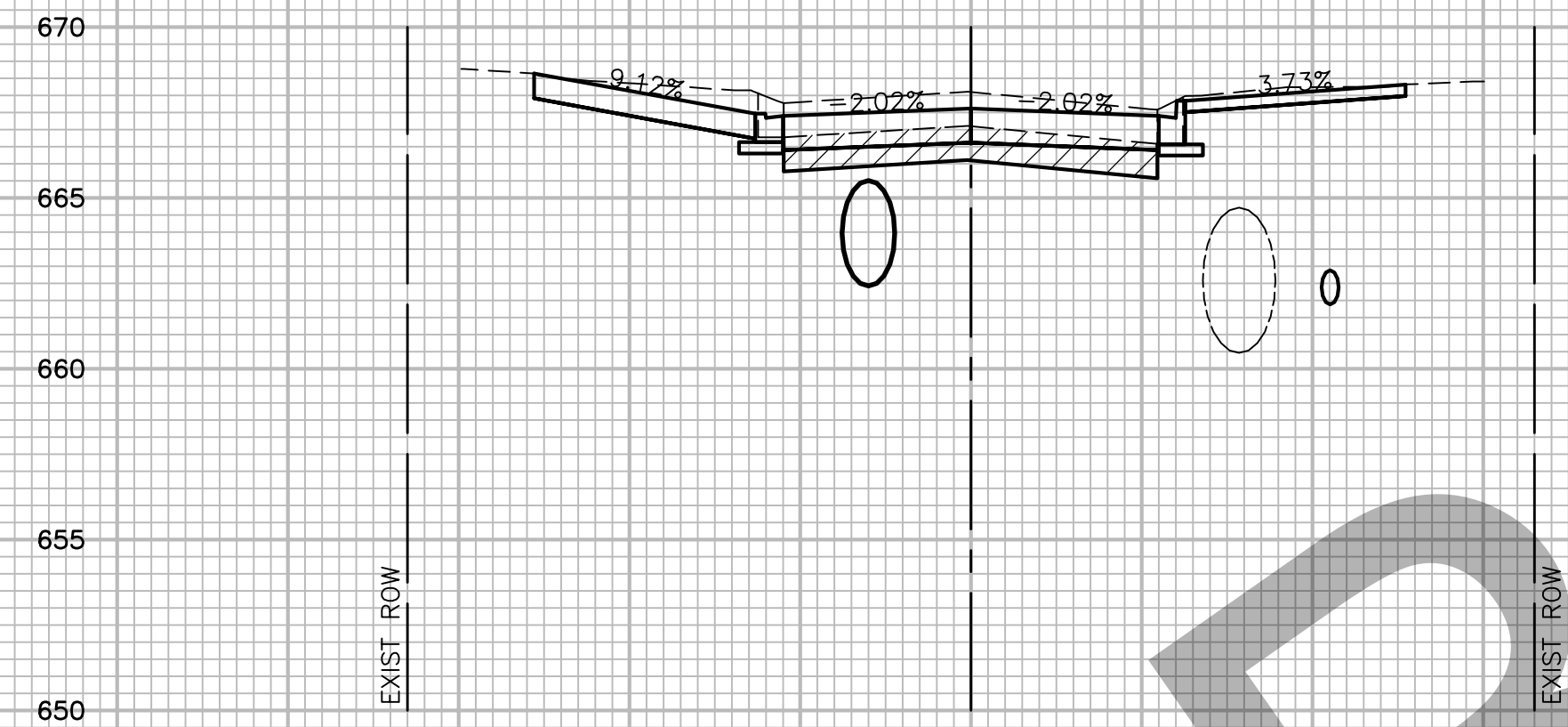
23+50
C=43.1 F=0.0



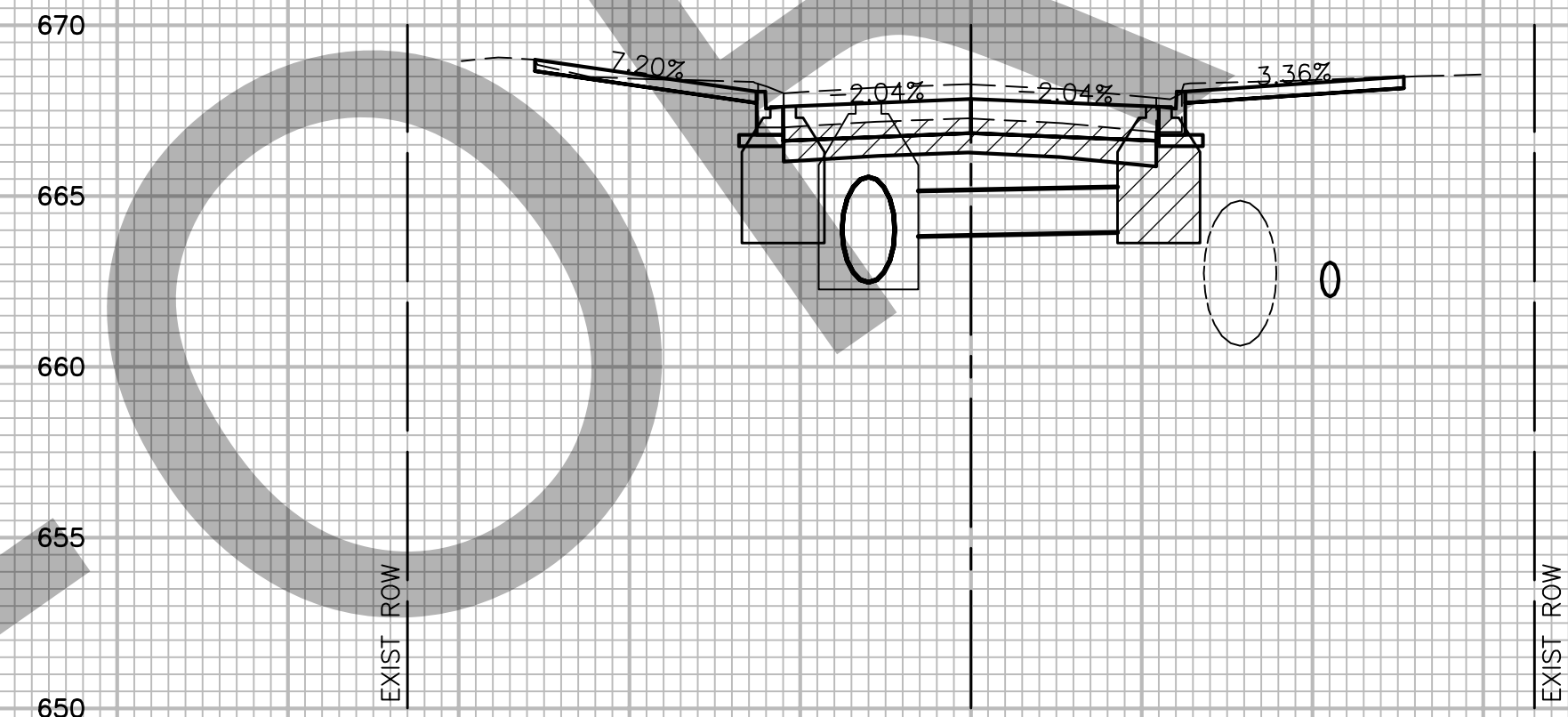
23+27.65
C=52.6 F=0.0



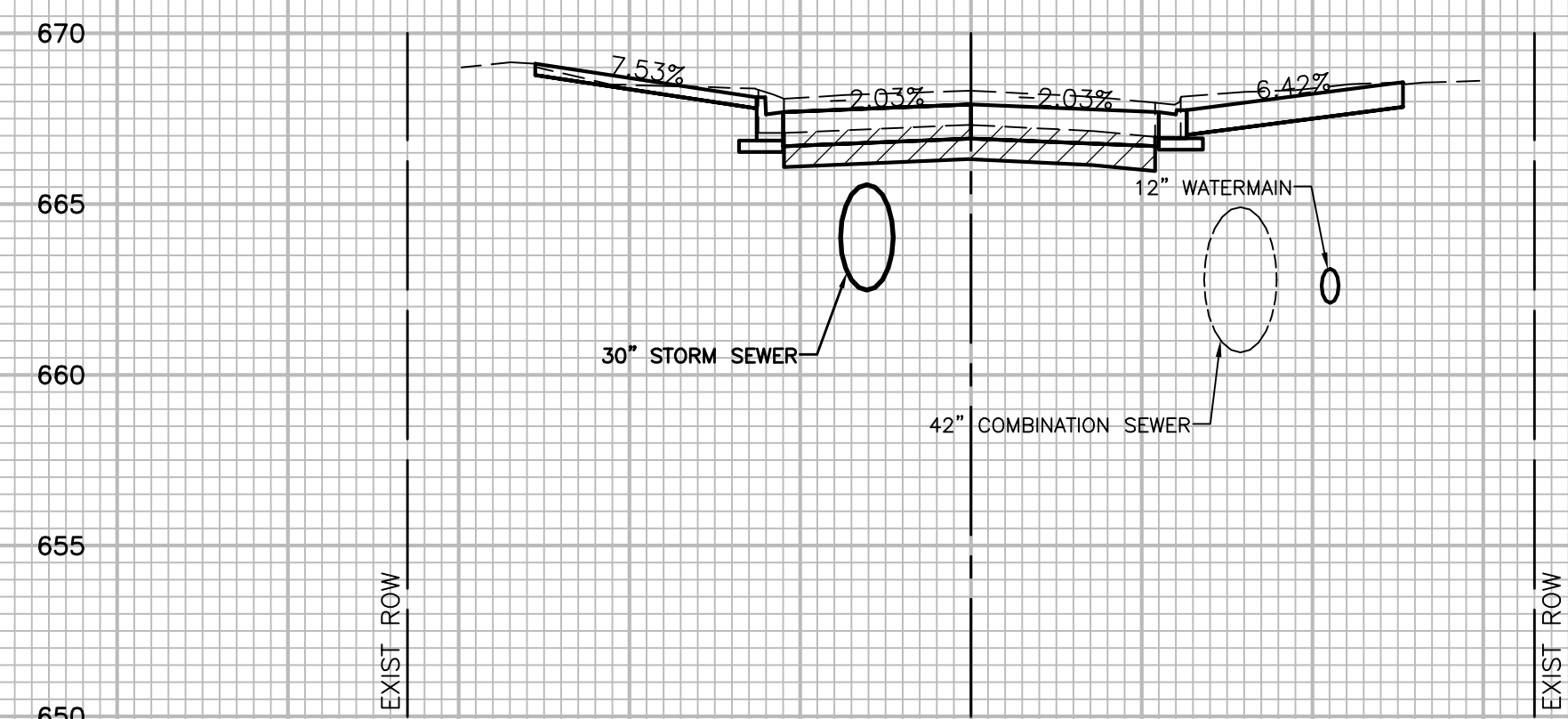
23+18.81
C=44.9 F=0.0



24+27.80
C=47.8 F=0.0



24+00
C=39.7 F=0.0



24+91.30
C=44.6 F=0.0

NOTE:
APPROXIMATE STATION 22+50 TO STATION 25+50
HAS POSSIBLE TOPSOIL TO 2 FEET BELOW TOP OF
EXISTING PAVEMENT. THE GEOTECHNICAL ENGINEER
SHALL DETERMINE ITS SUITABILITY TO REMAIN IN
PLACE. QUANTITIES ARE INCLUDED TO UNDERCUT AND
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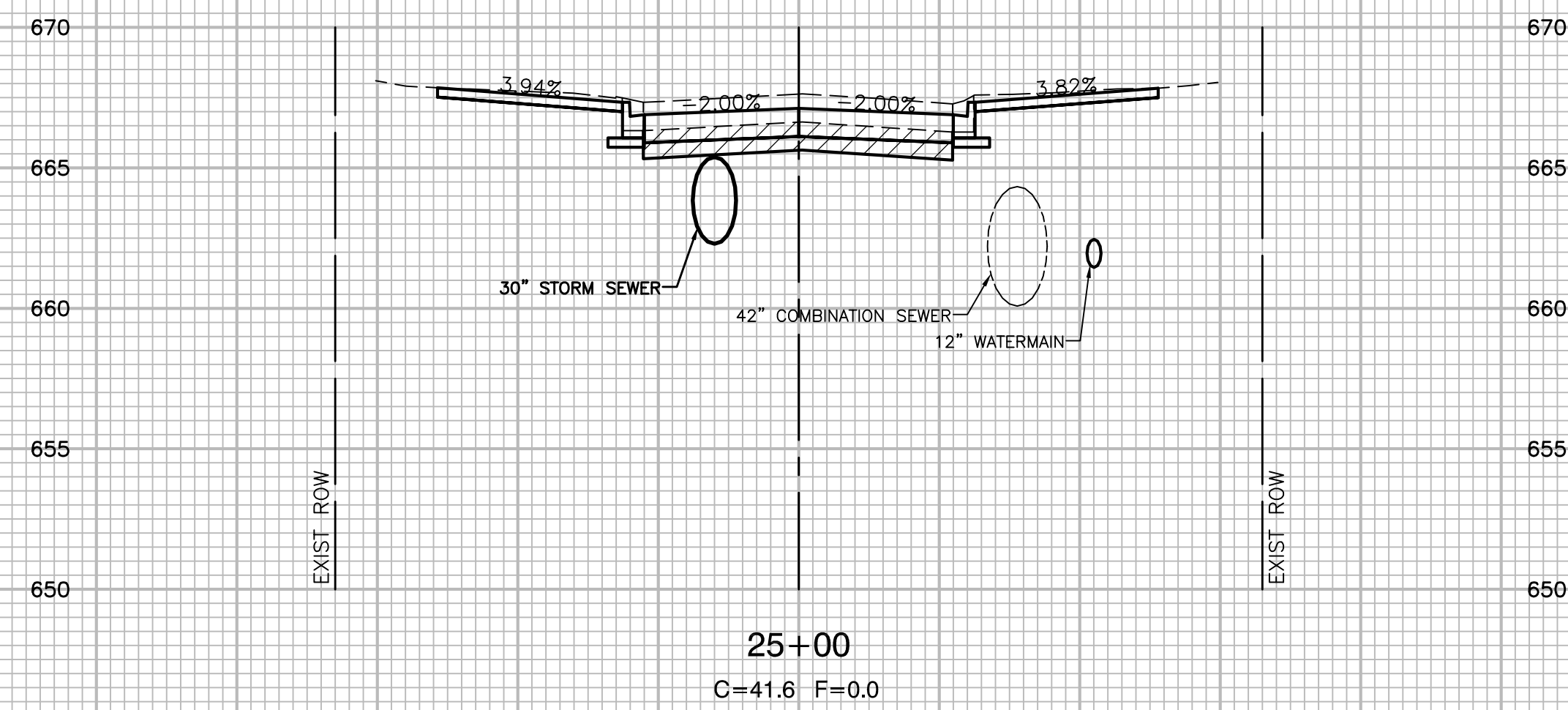
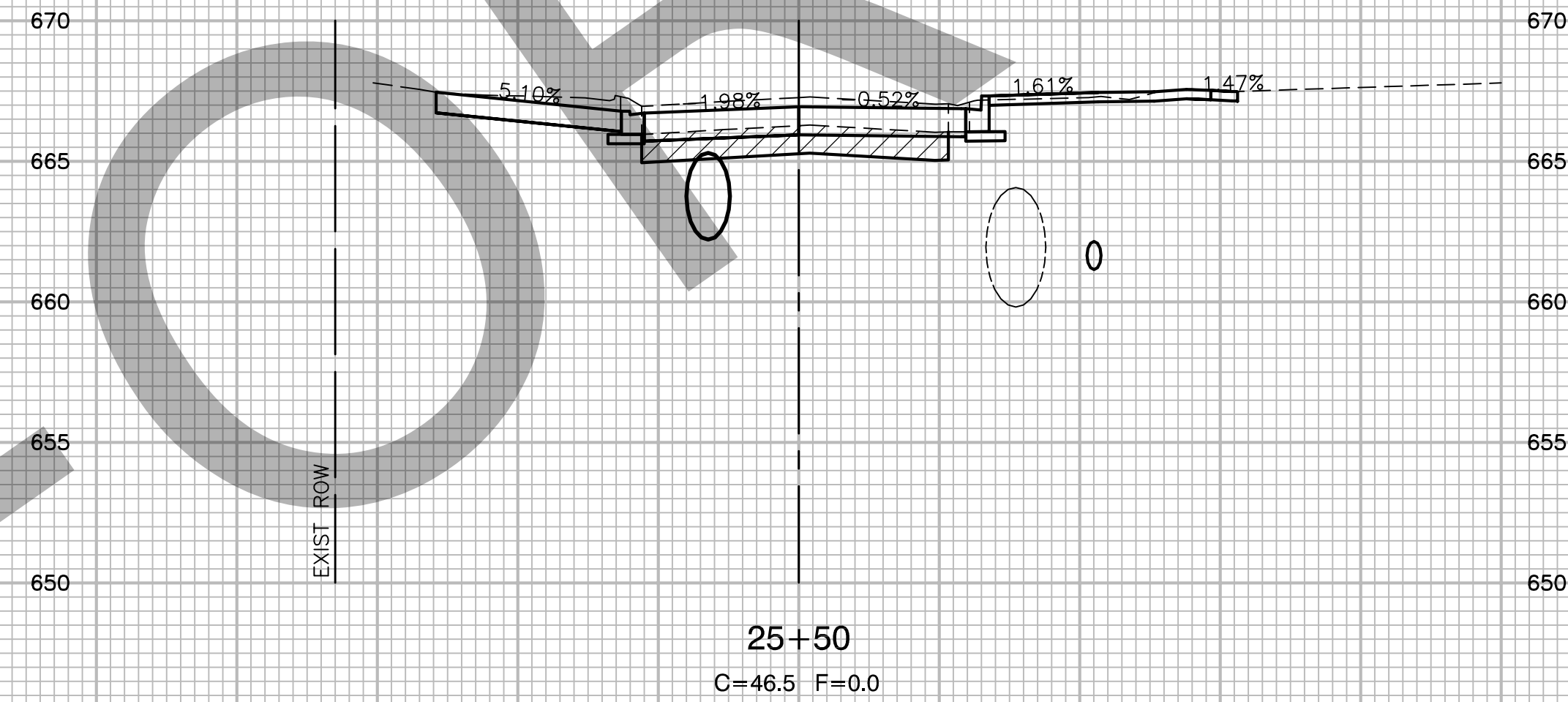
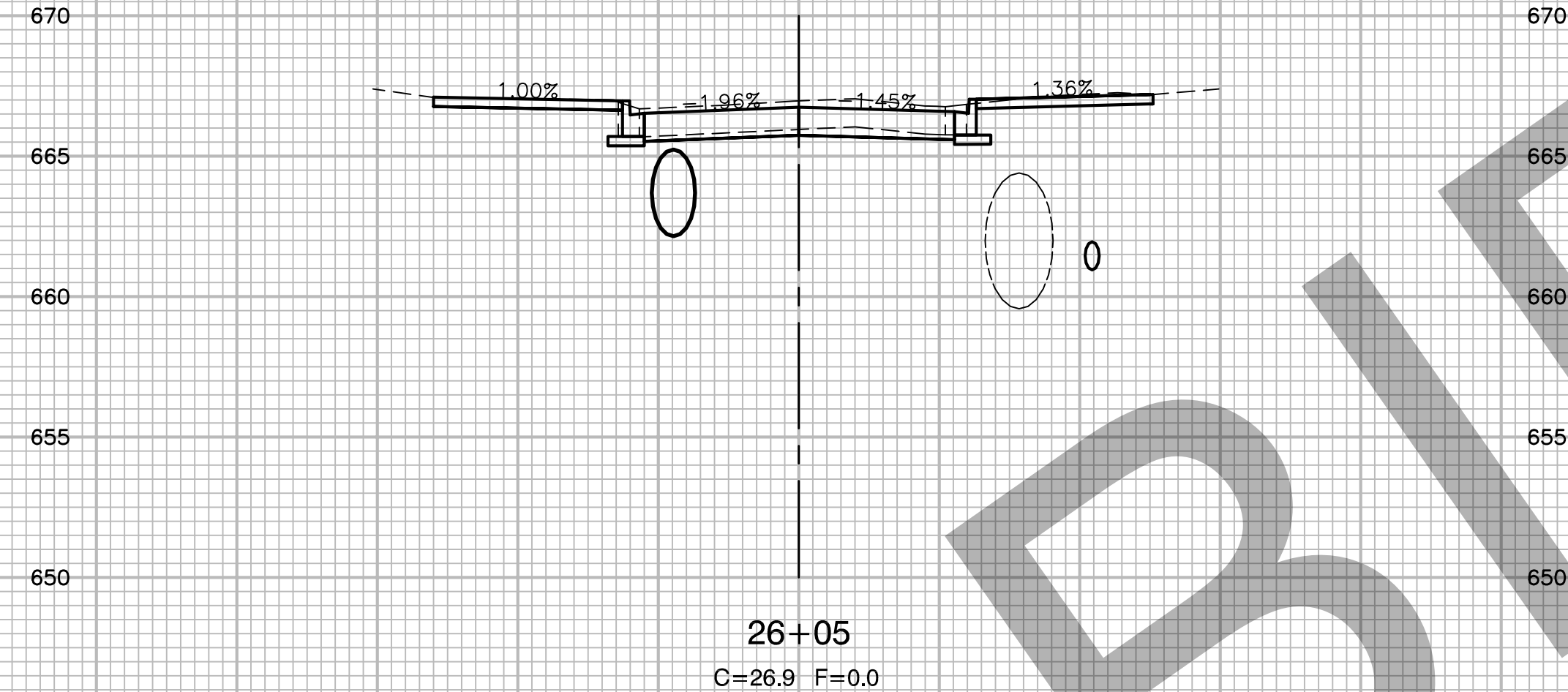
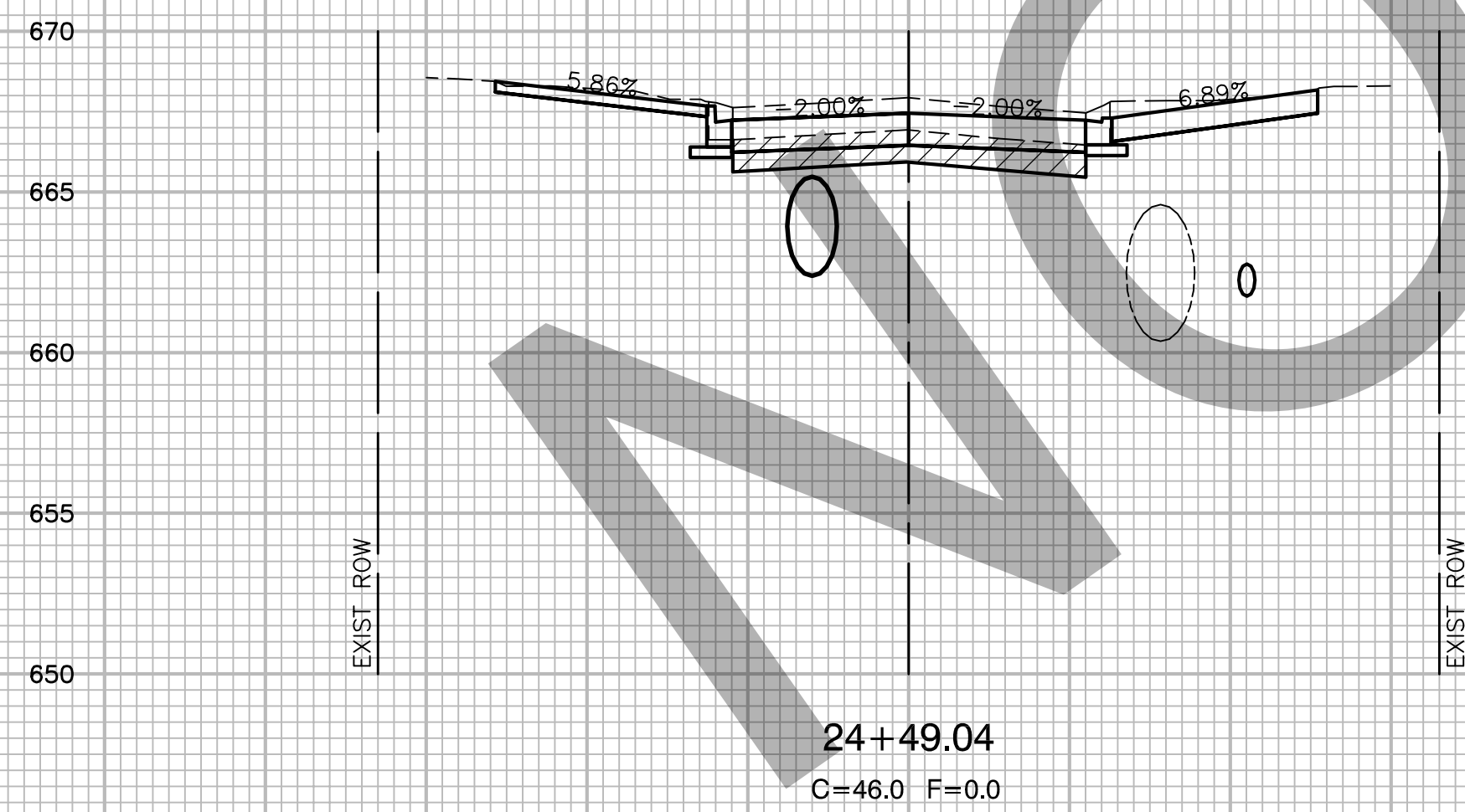
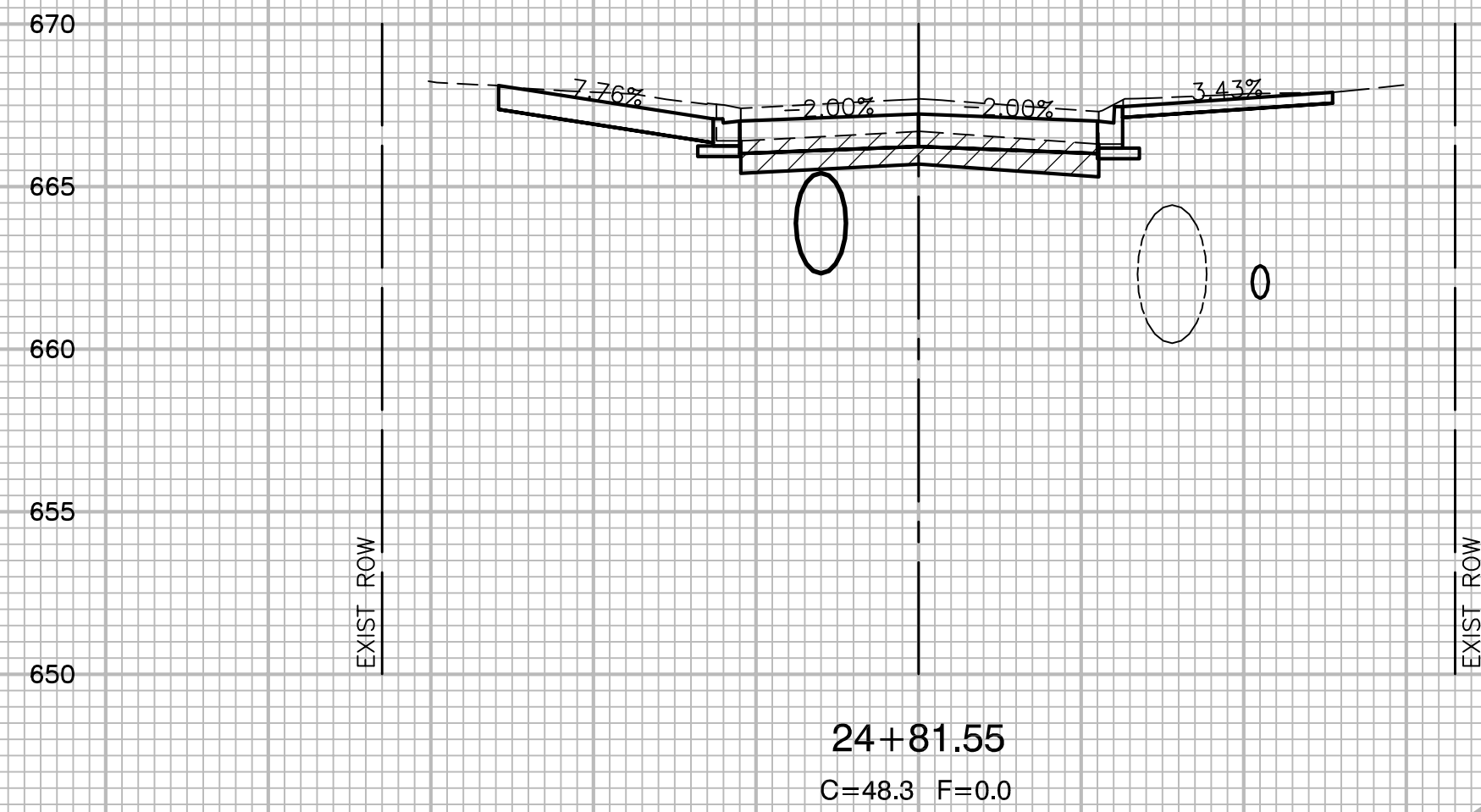
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PARK BOULEVARD
CROSS SECTIONS**

VILLA PARK, ILLINOIS

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Checked by: C.J.K. Scale: H 1"=10' V 1"=5'
Sheet 27 of 36 Project No. 13-583

REVISIONS		
No.	Date	Remarks



NOTE:
APPROXIMATE STATION 22+50 TO STATION 25+50
HAS POSSIBLE TOPSOIL TO 2 FEET BELOW TOP OF
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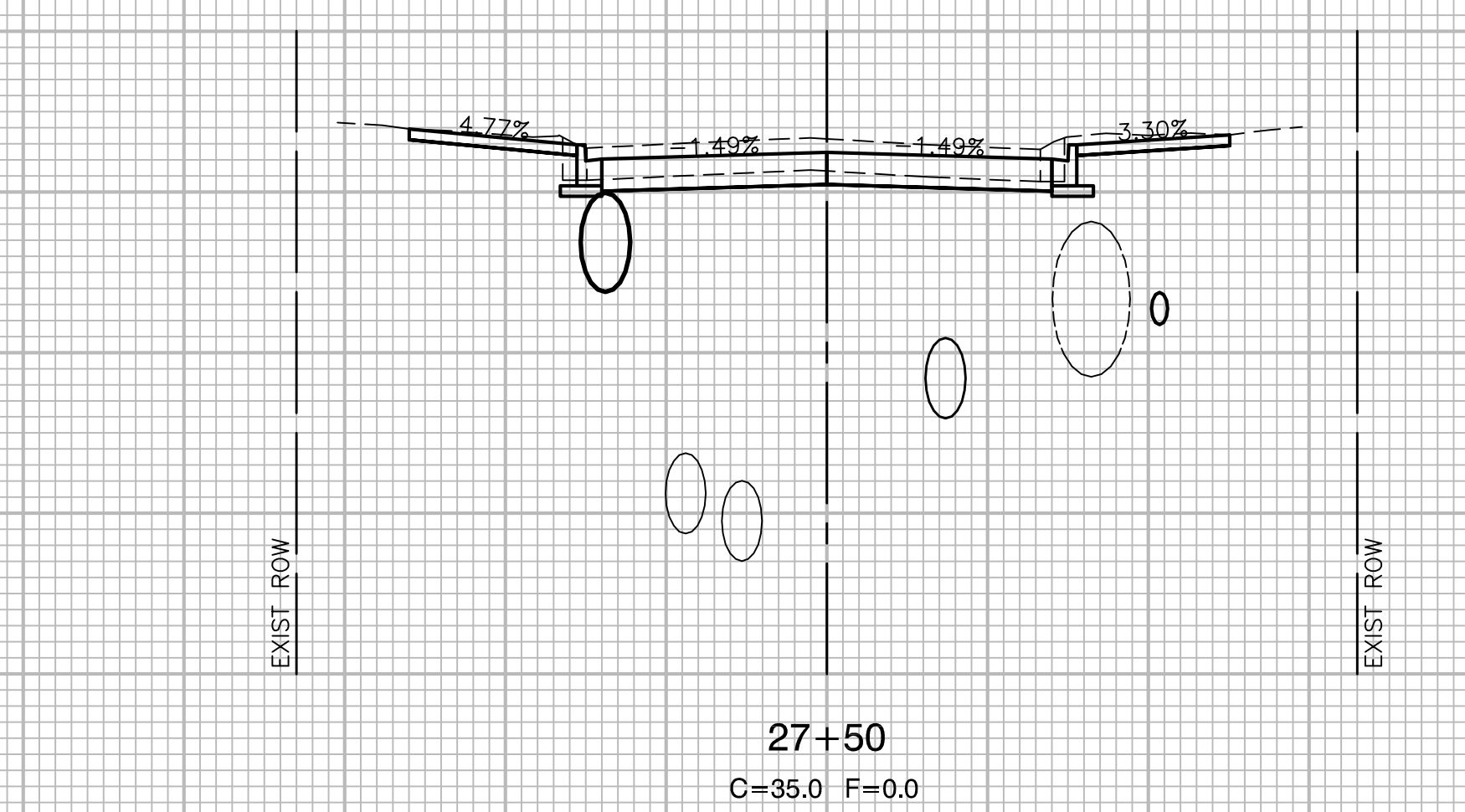
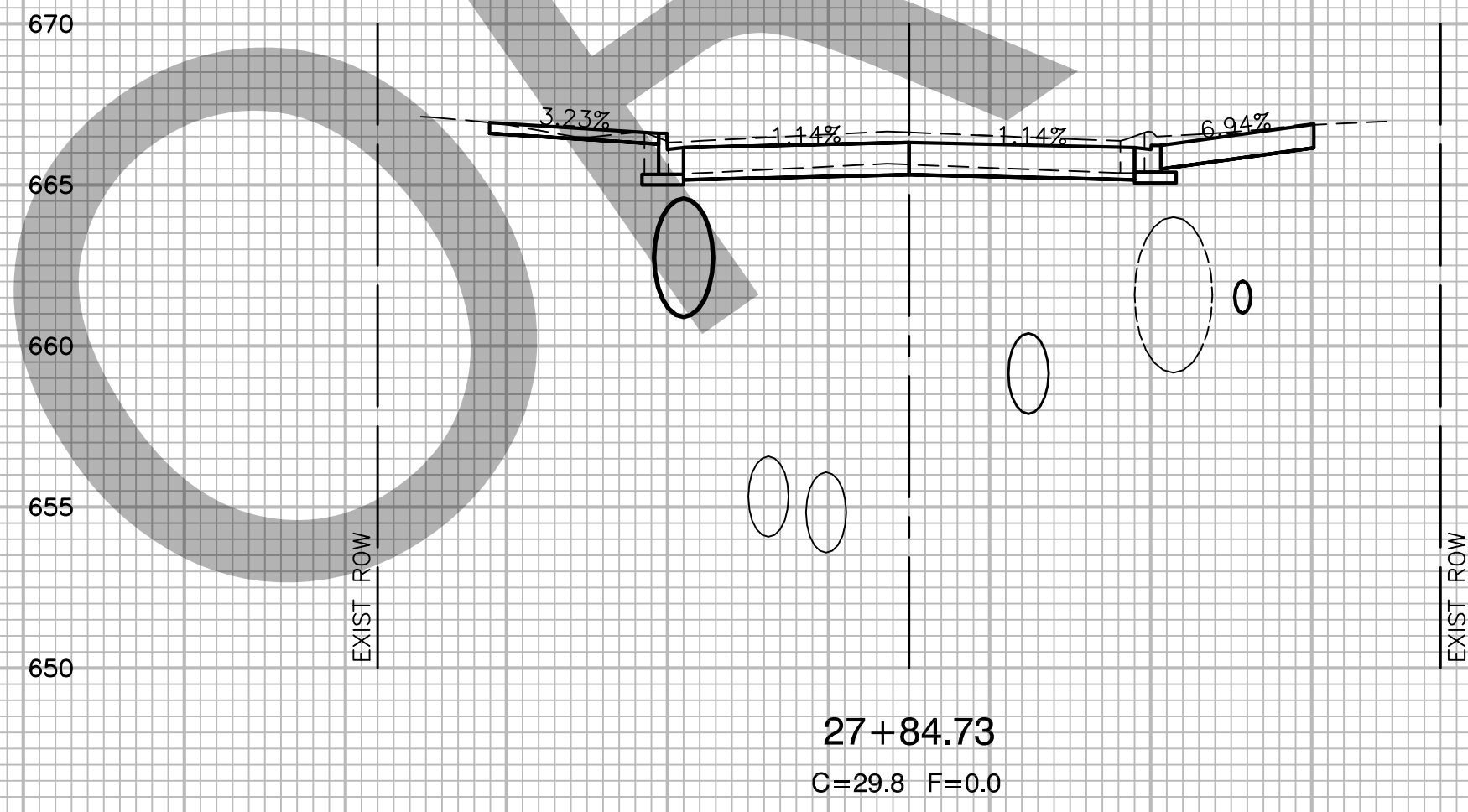
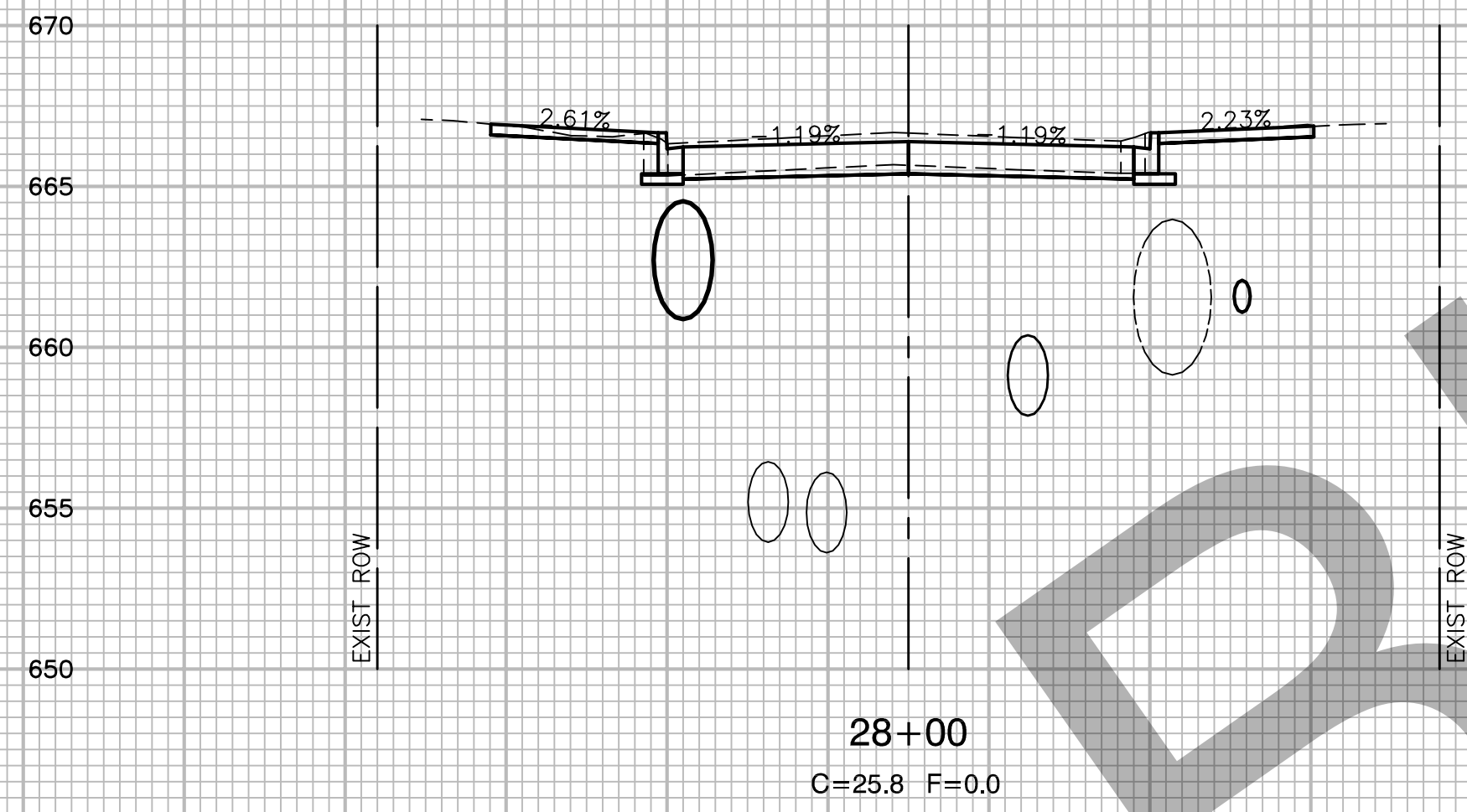
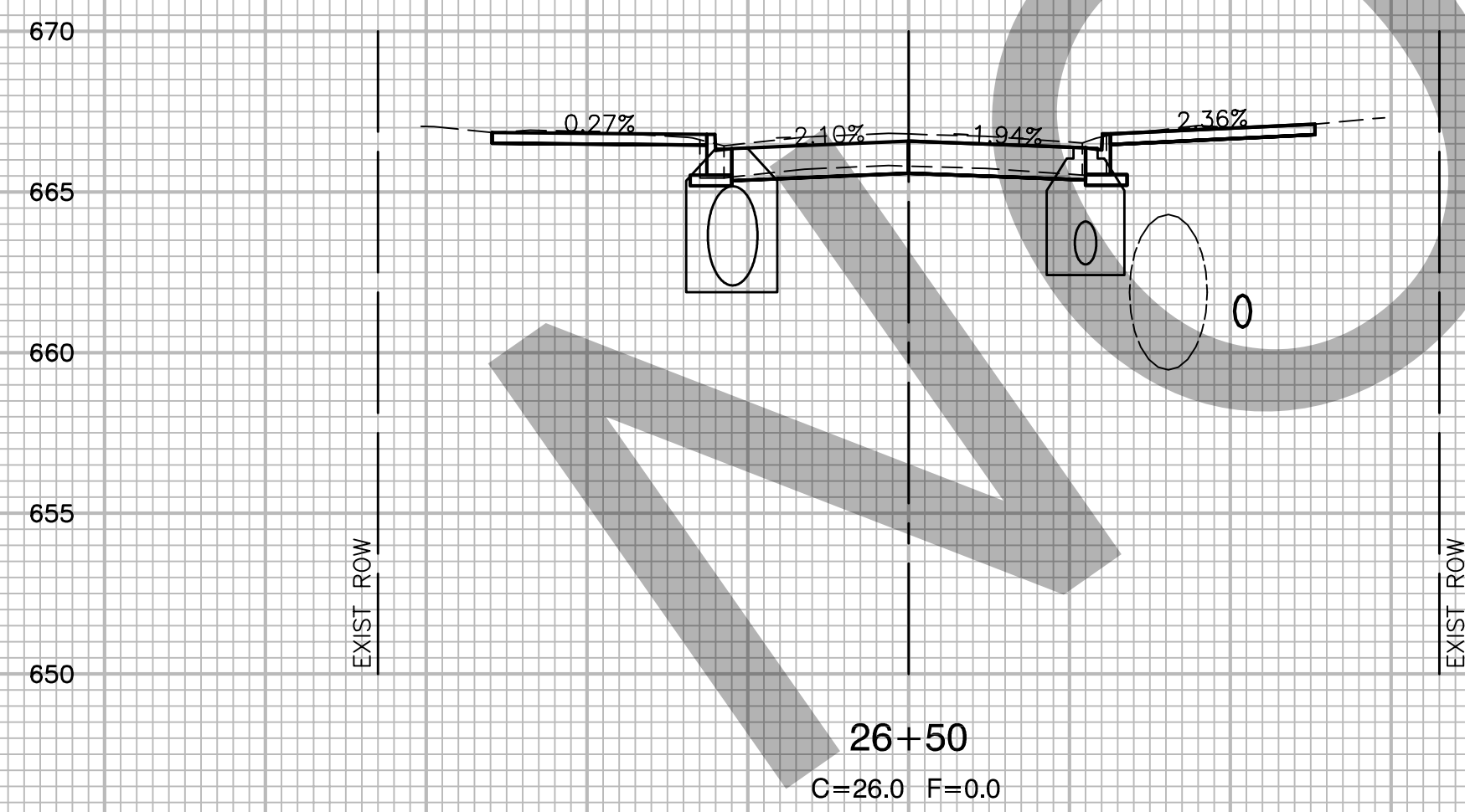
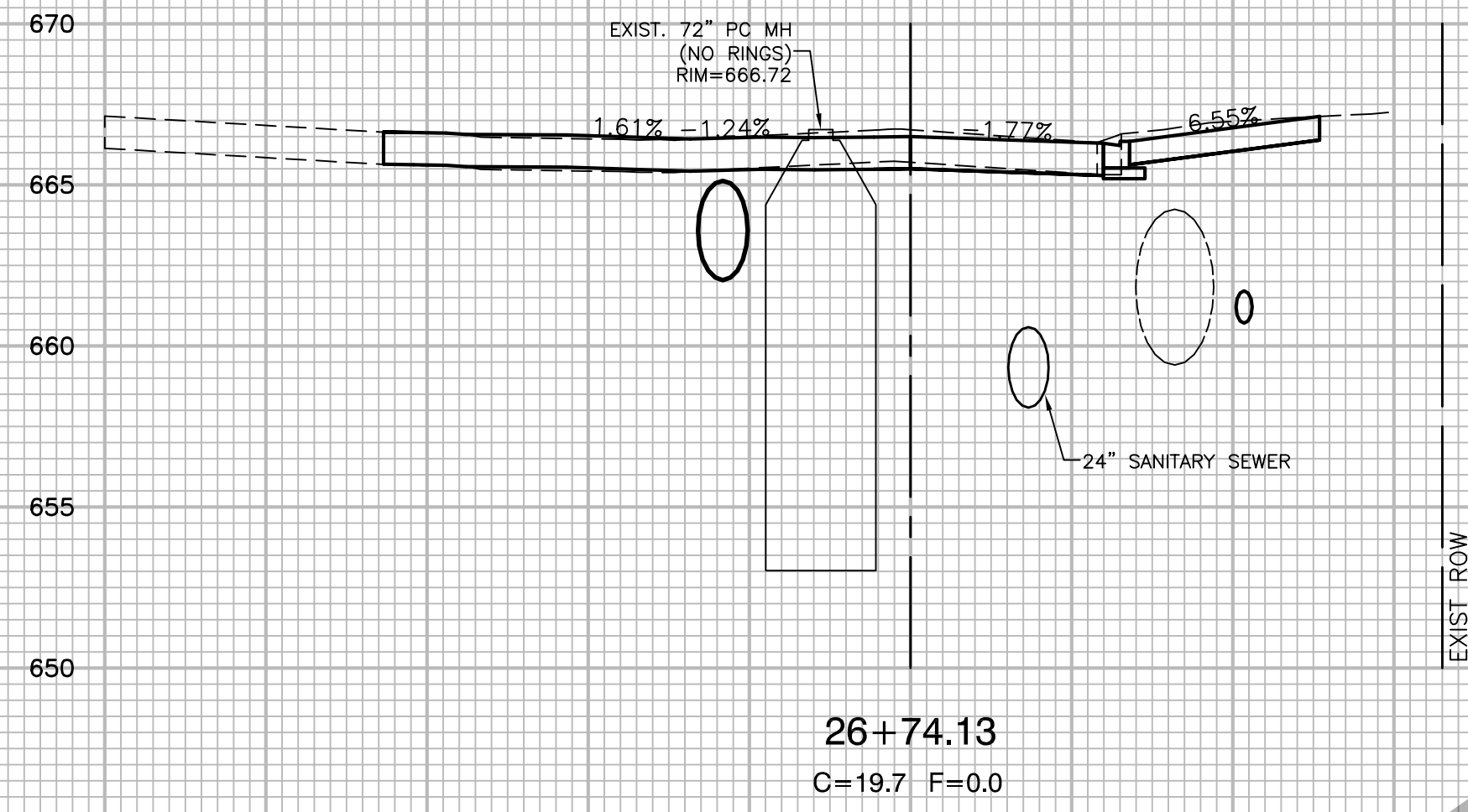
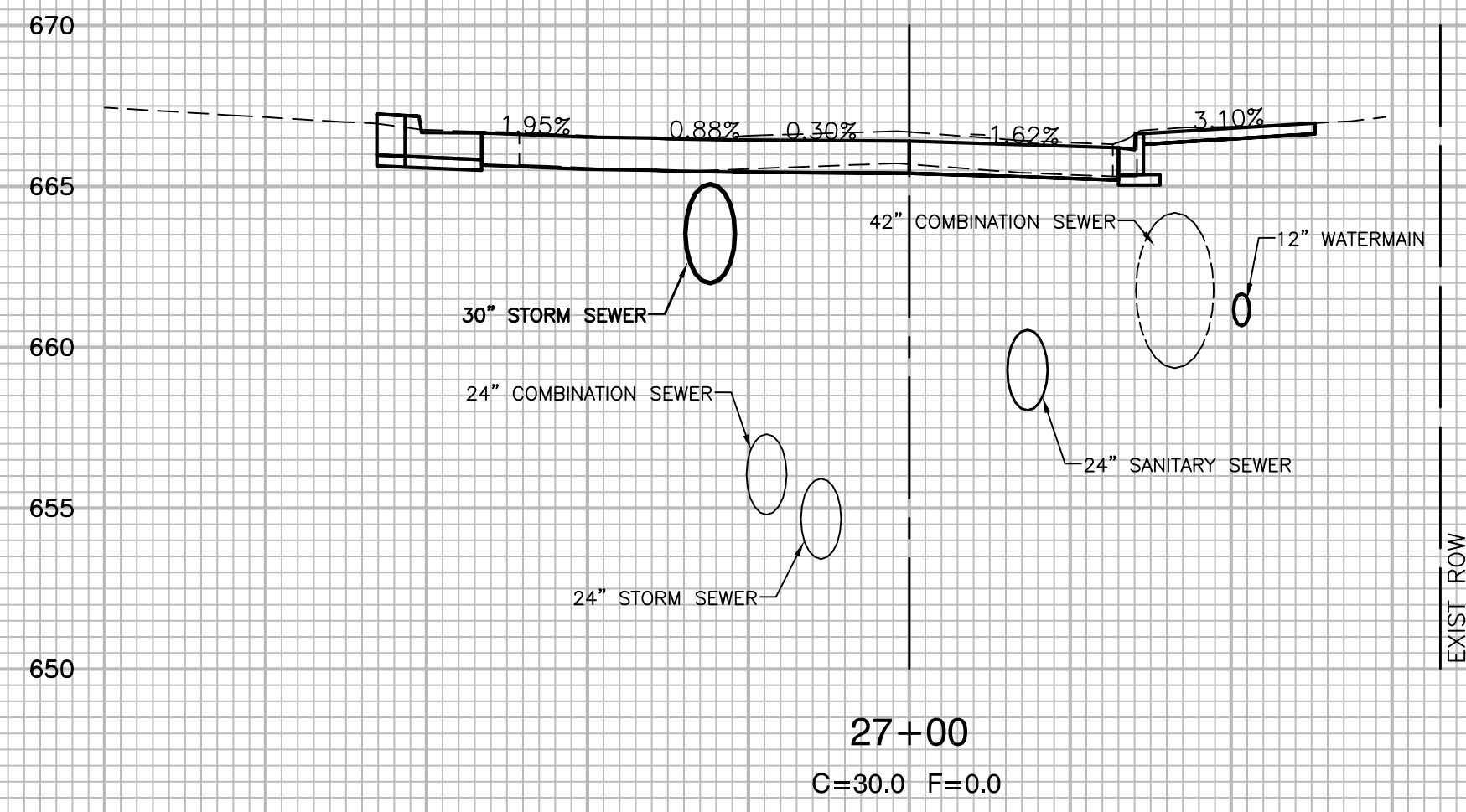
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CROSS SECTIONS**

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Drawn by: K.W.M. Date: 09-16-15
Checked by: C.J.K. Scale: H 1"=10' V 1"=5'
Sheet 28 of 36 Project No. 13-583

REVISIONS		
No.	Date	Remarks



NOTE:
APPROXIMATE STATION 22+50 TO STATION 25+50
HAS POSSIBLE TOPSOIL TO 2 FEET BELOW TOP OF
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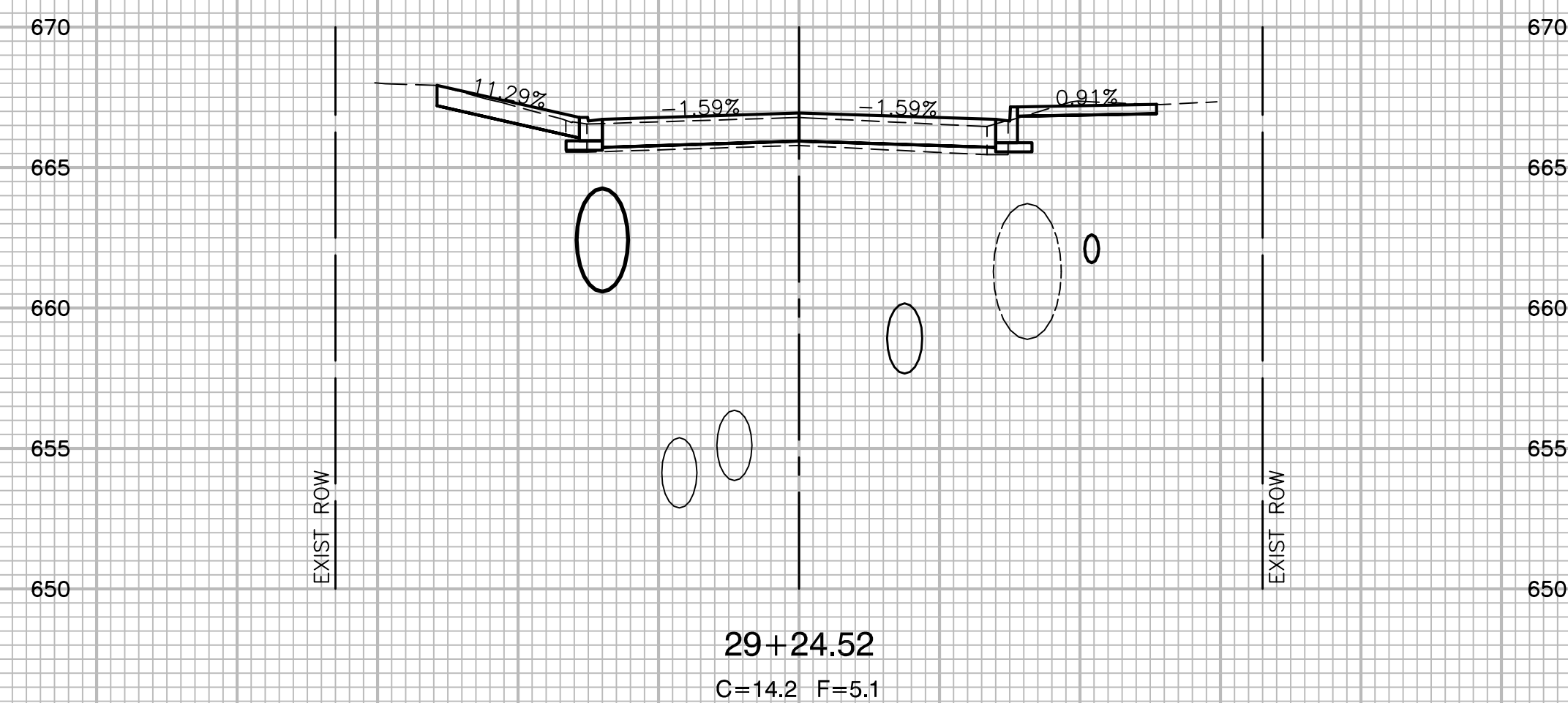
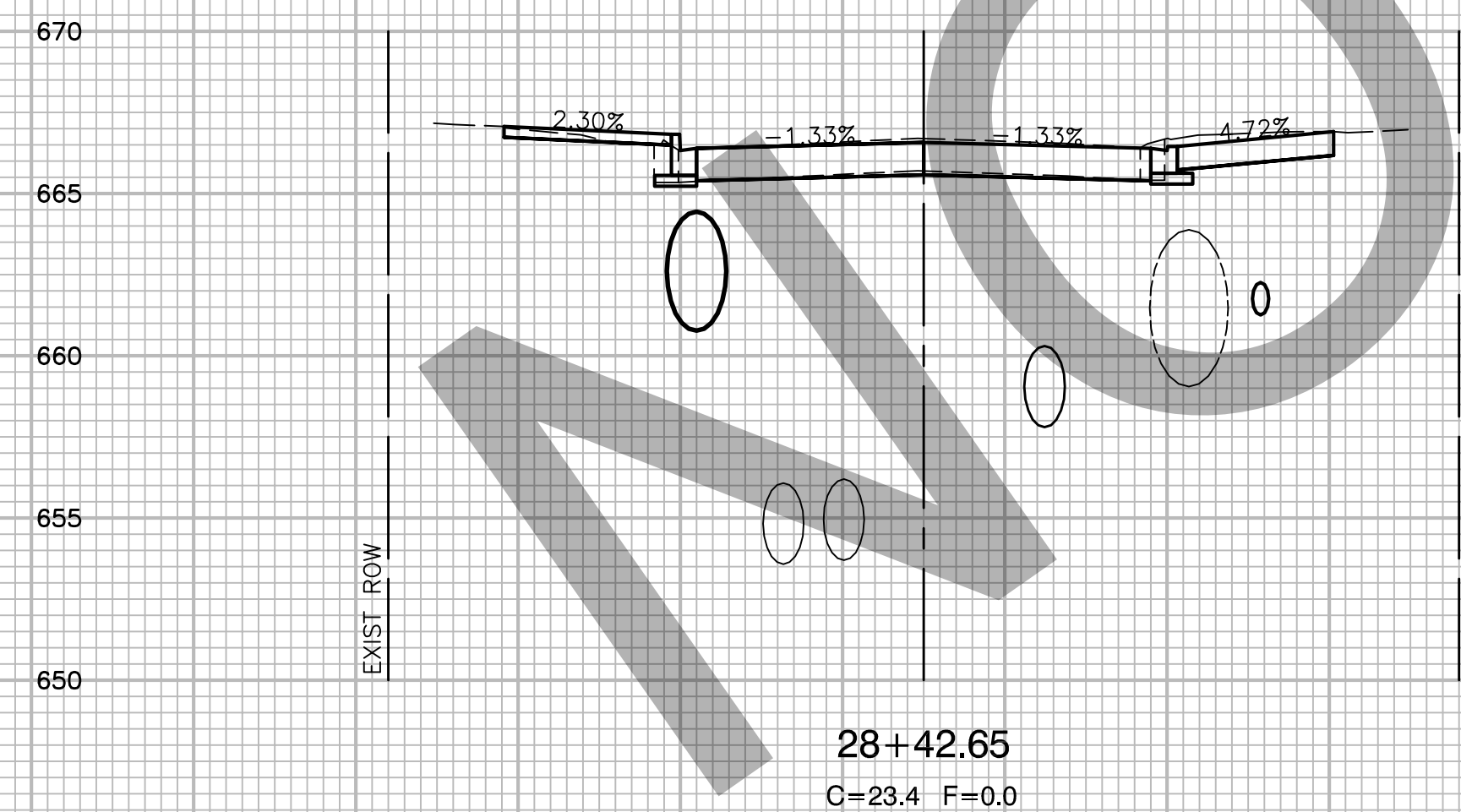
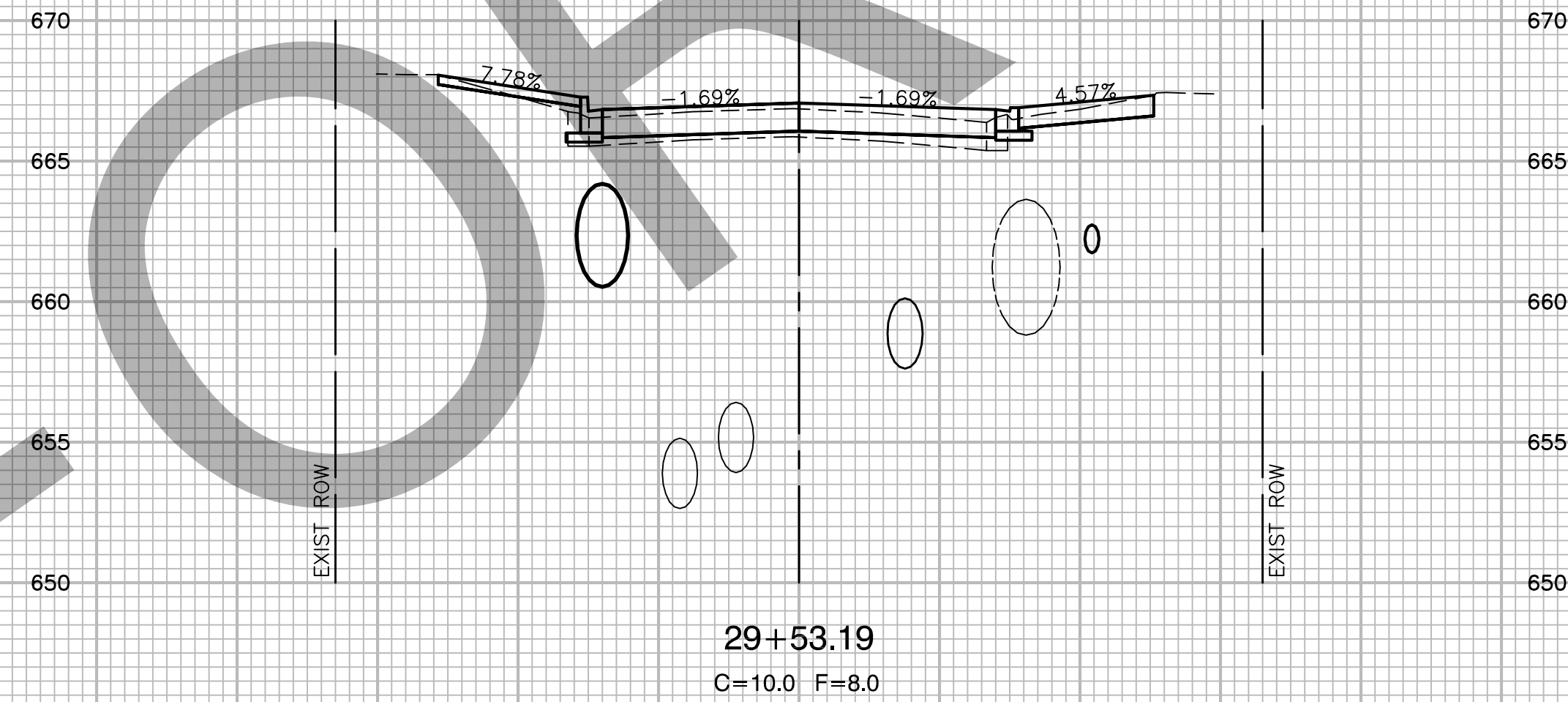
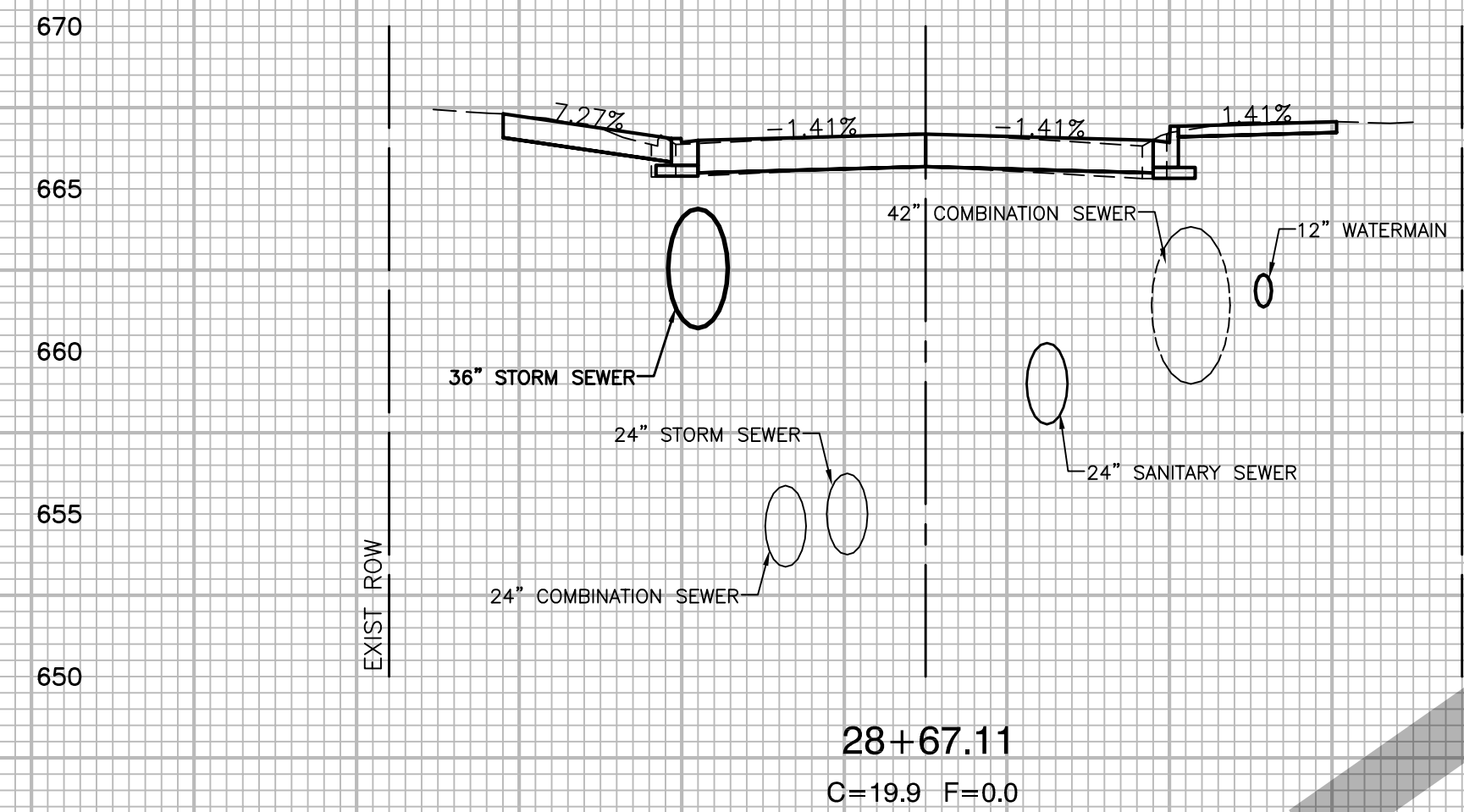
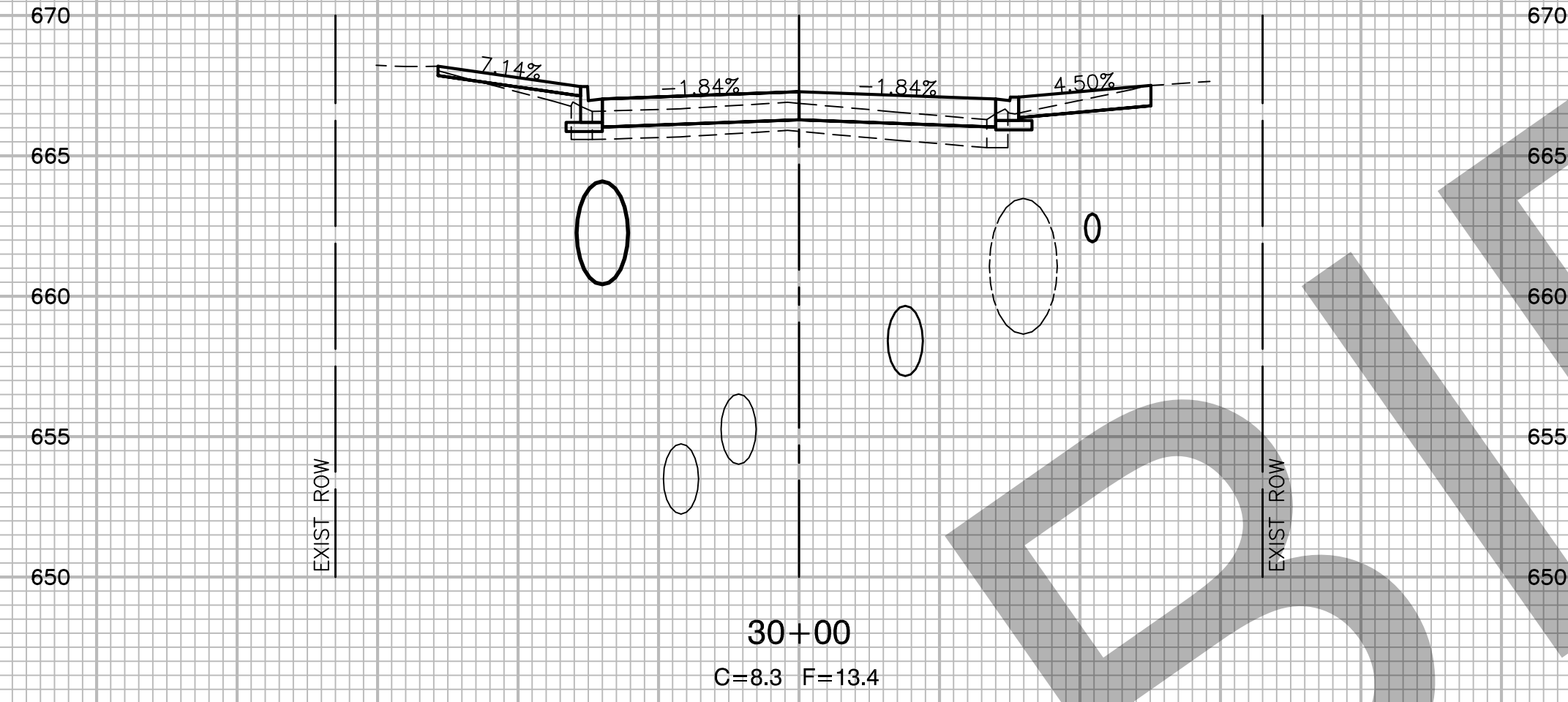
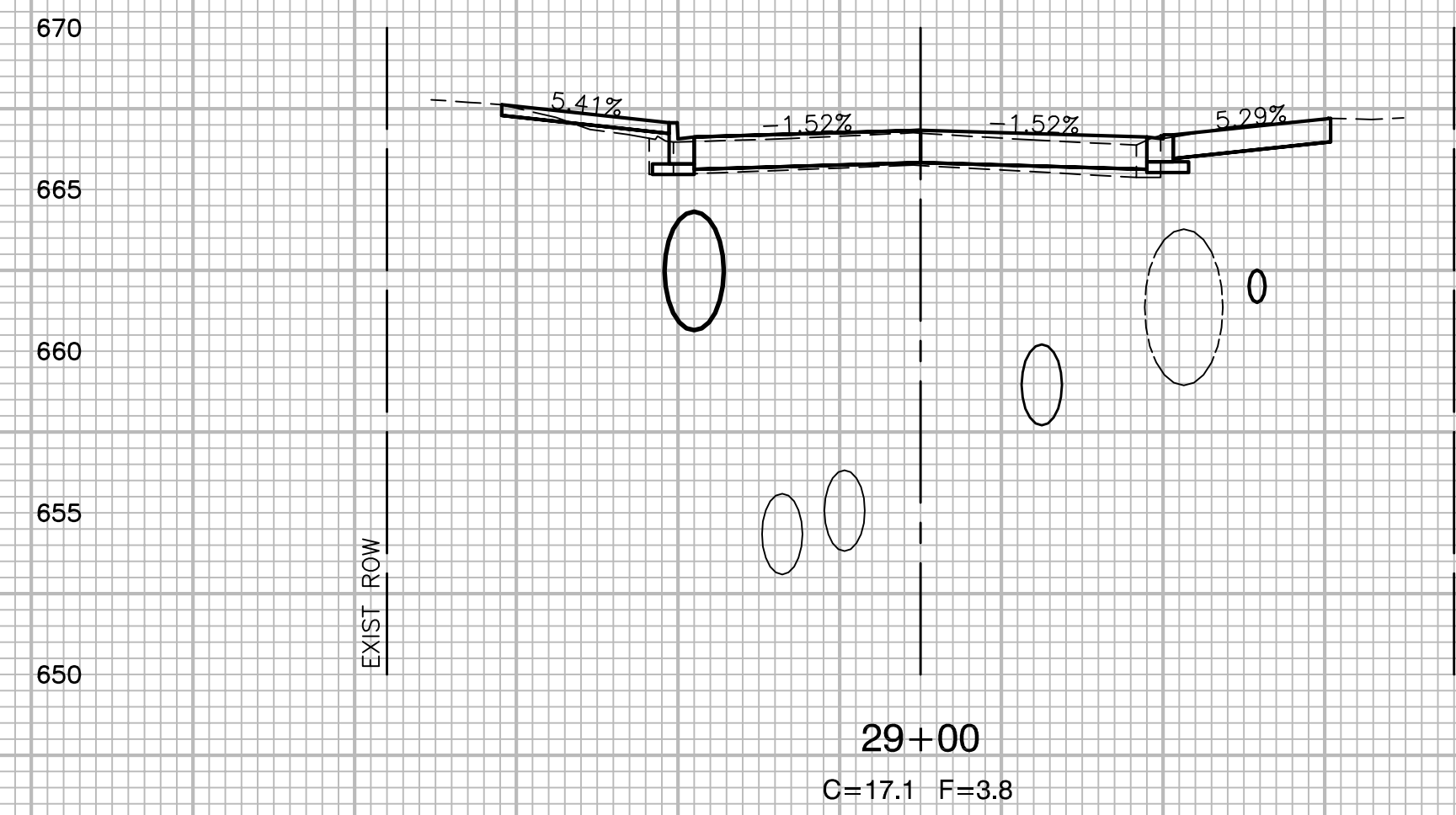
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**PARK BOULEVARD RECONSTRUCTION
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CROSS SECTIONS**

VILLA PARK, ILLINOIS

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Checked by: C.J.K. Scale: H 1"=10' V 1"=5'
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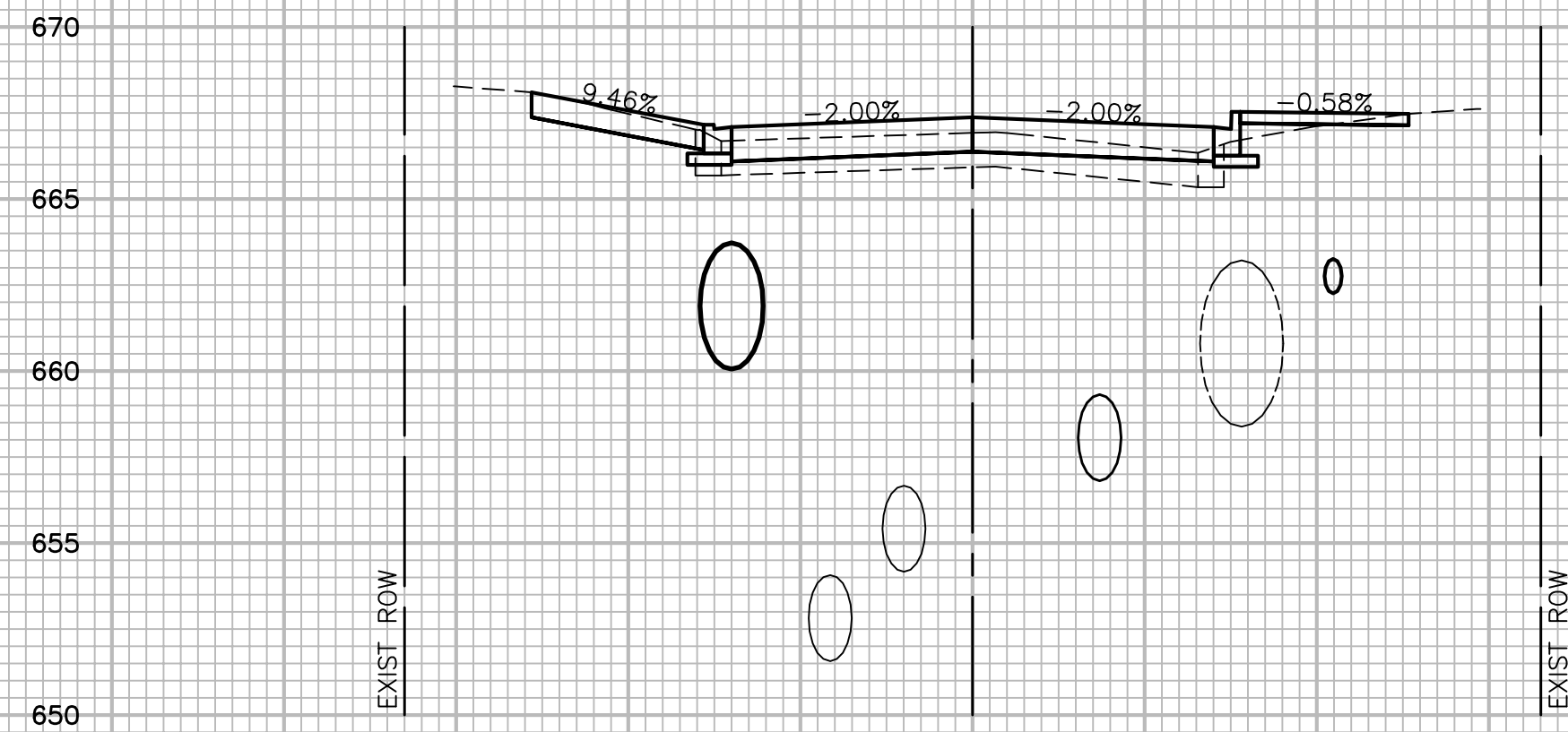
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PARK BOULEVARD
CROSS SECTIONS**

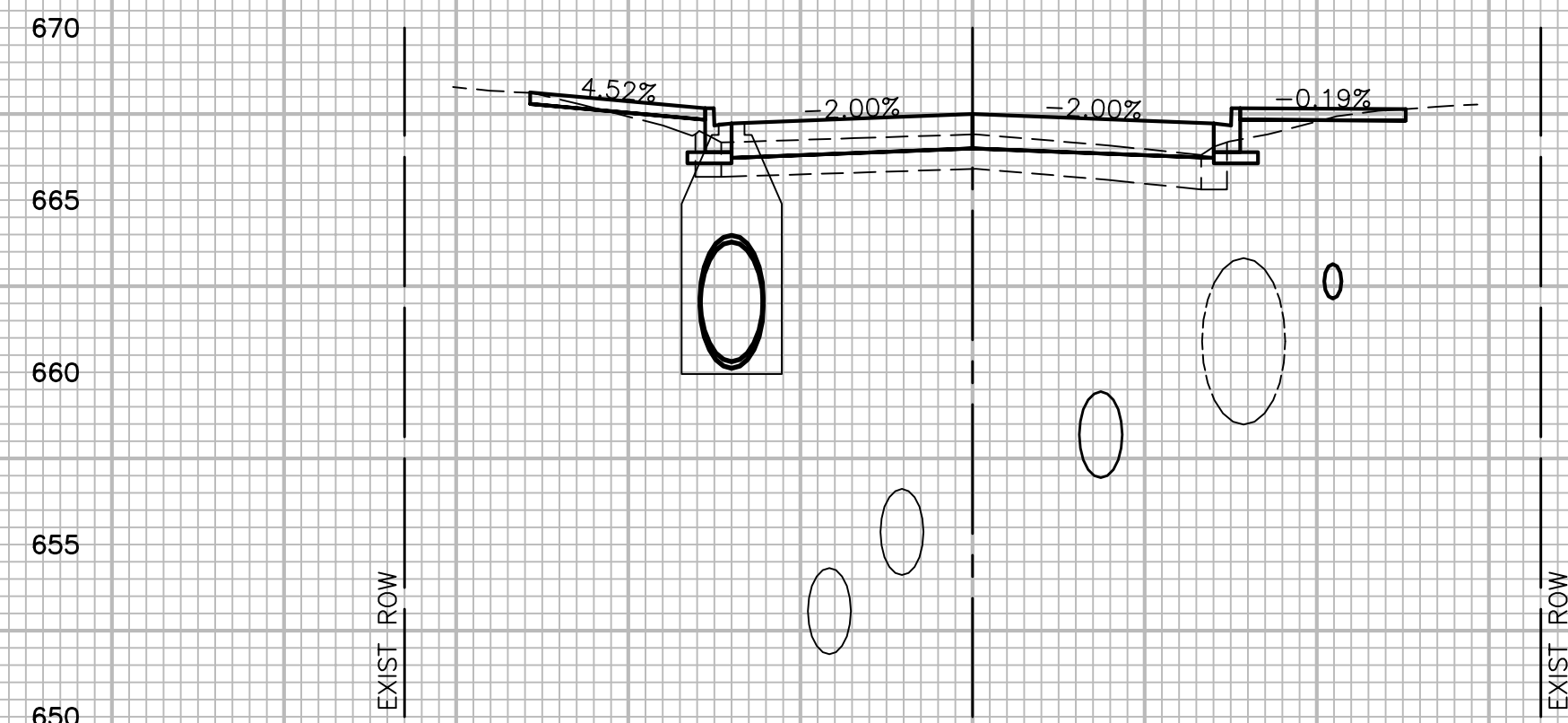
VILLA PARK, ILLINOIS

Drawn by: K.W.M. Date: 09-16-15
Checked by: C.J.K. Scale: H 1"=10' V 1"=5'
Sheet 30 of 36 Project No. 13-583

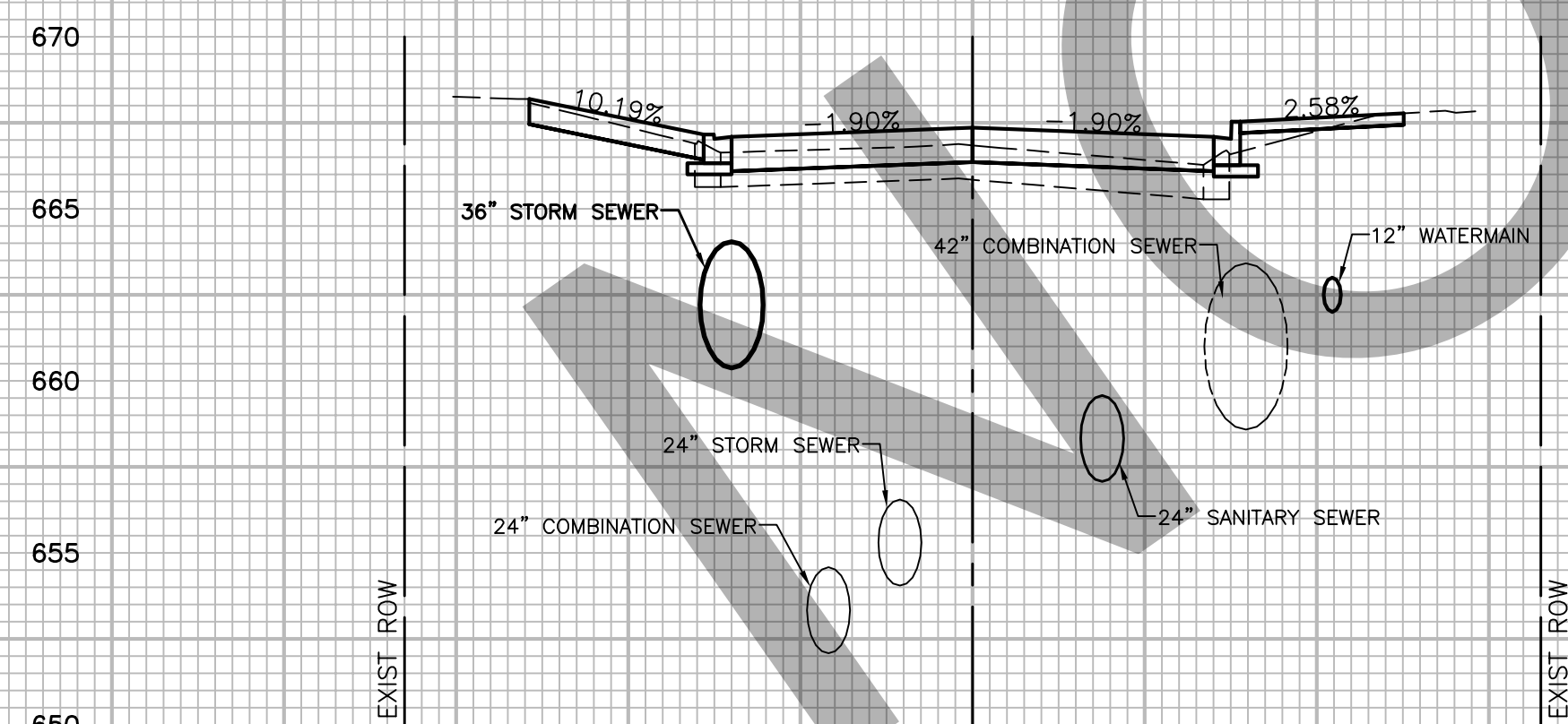
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No.	Date	Remarks



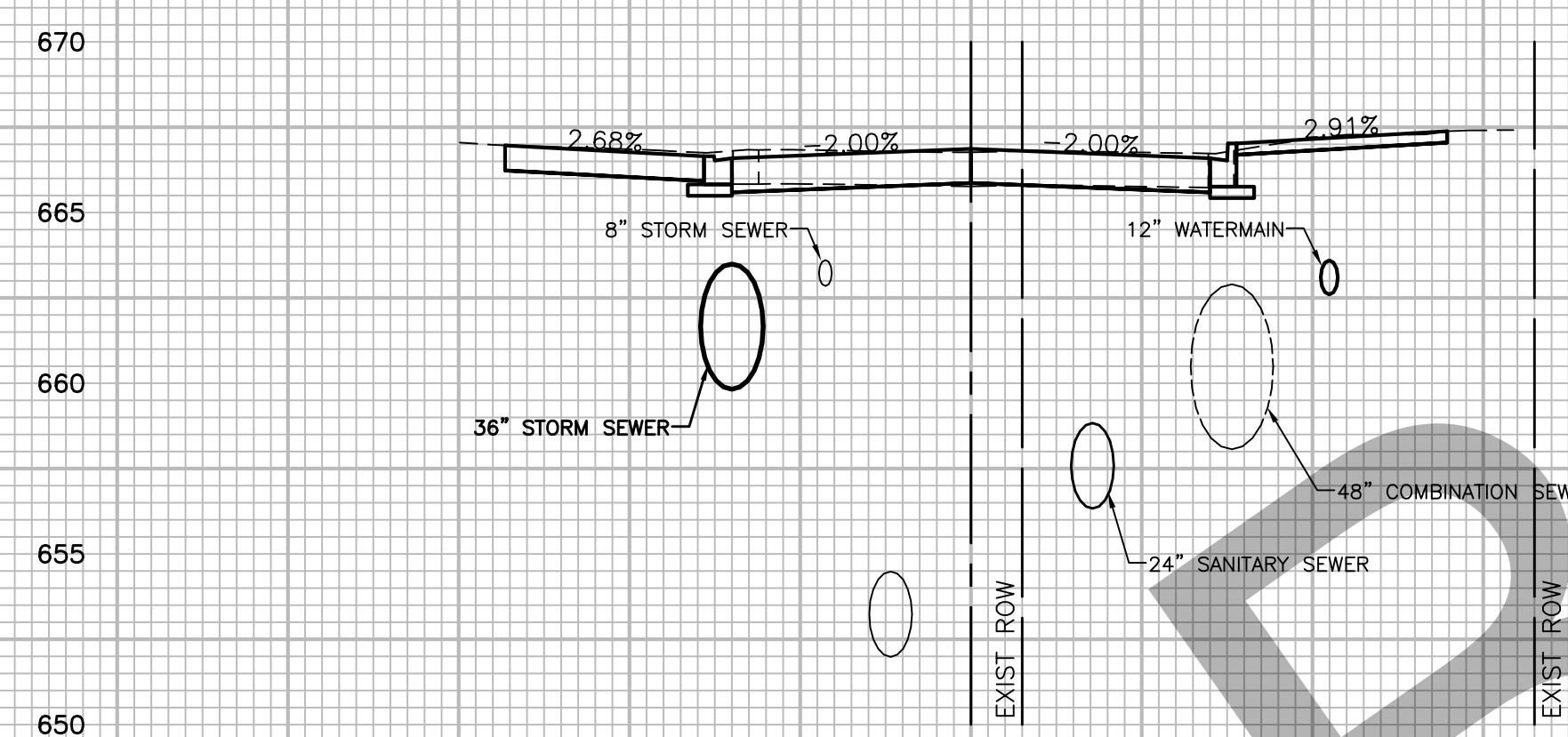
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C=11.2 F=13.5



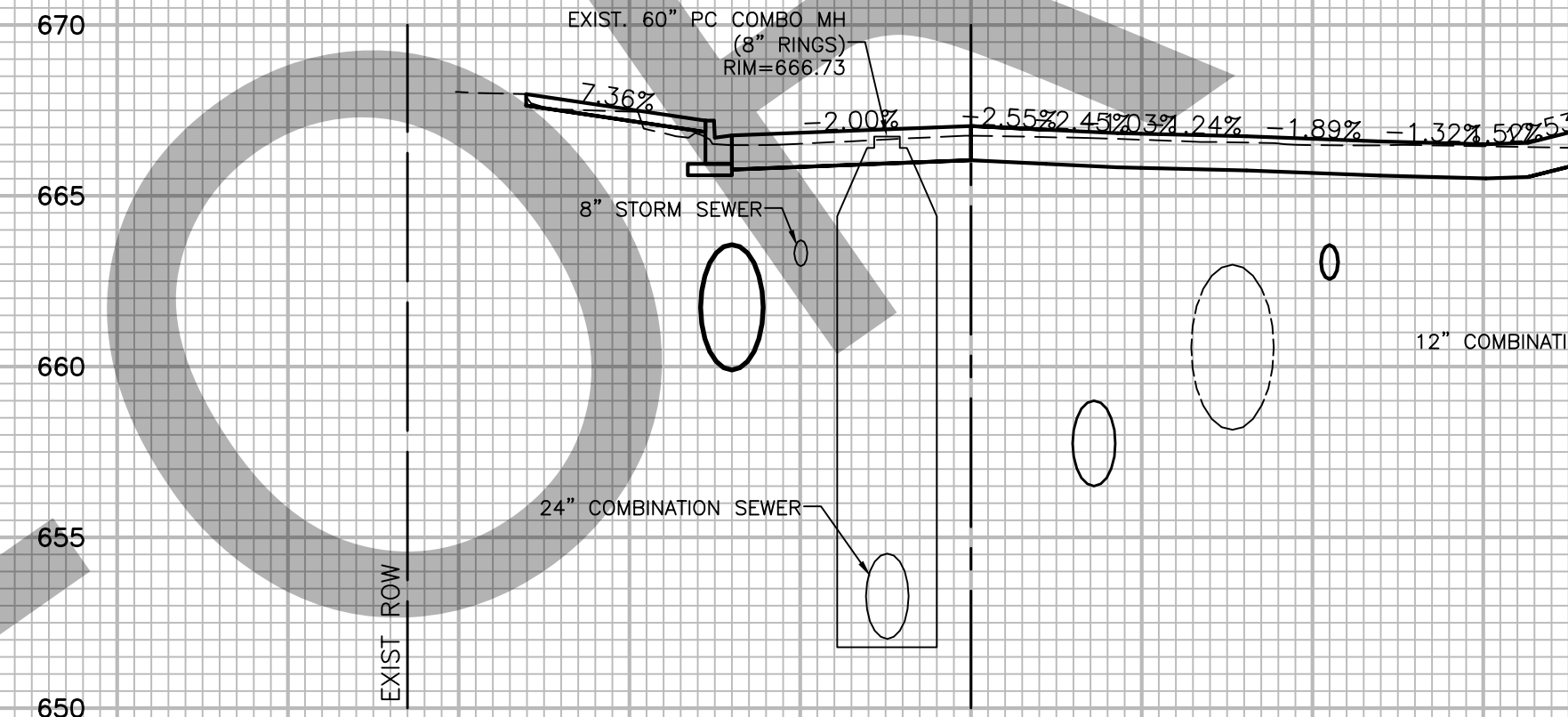
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C=5.5 F=18.3



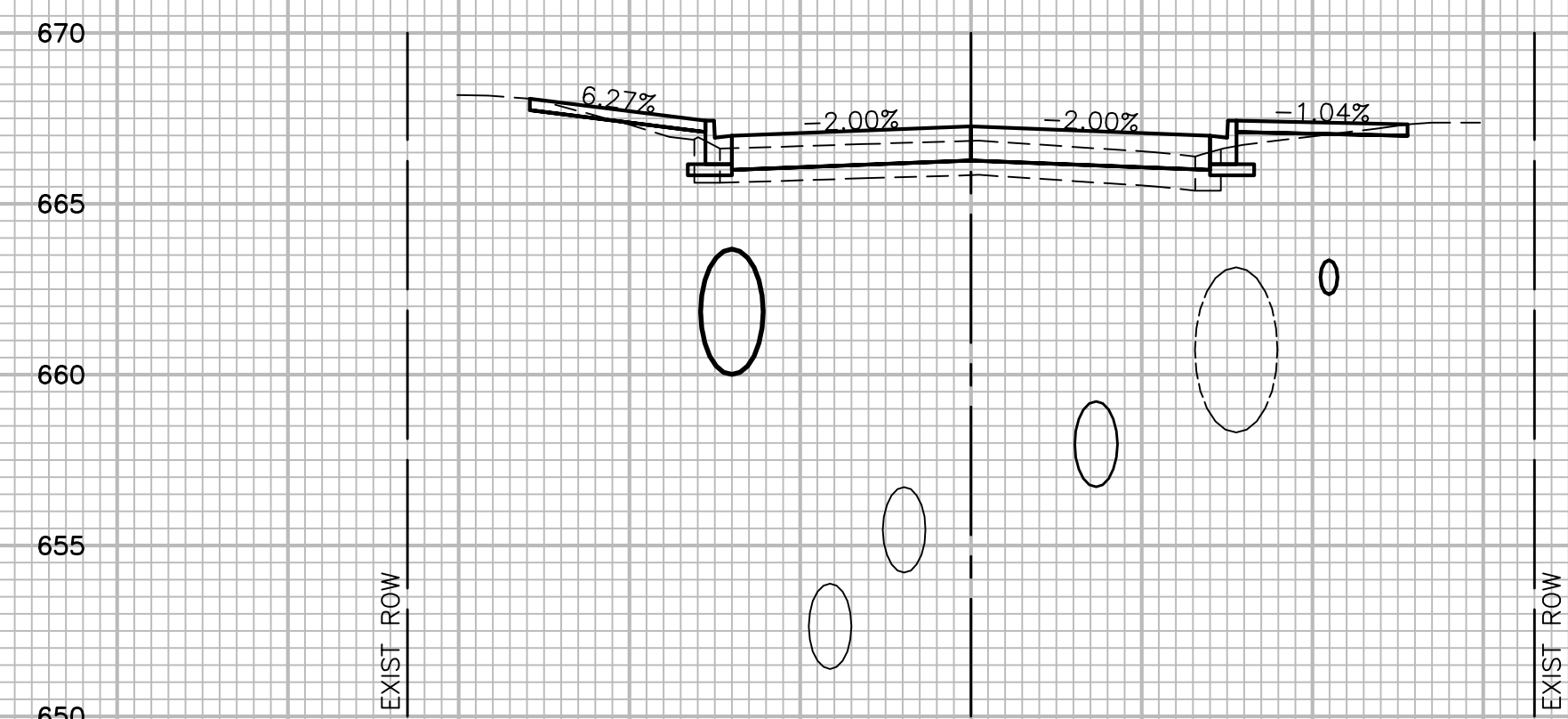
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C=9.8 F=15.6



31+89.04
C=29.8 F=0.0



31+50
C=54.4 F=0.0



31+00
C=7.2 F=12.5

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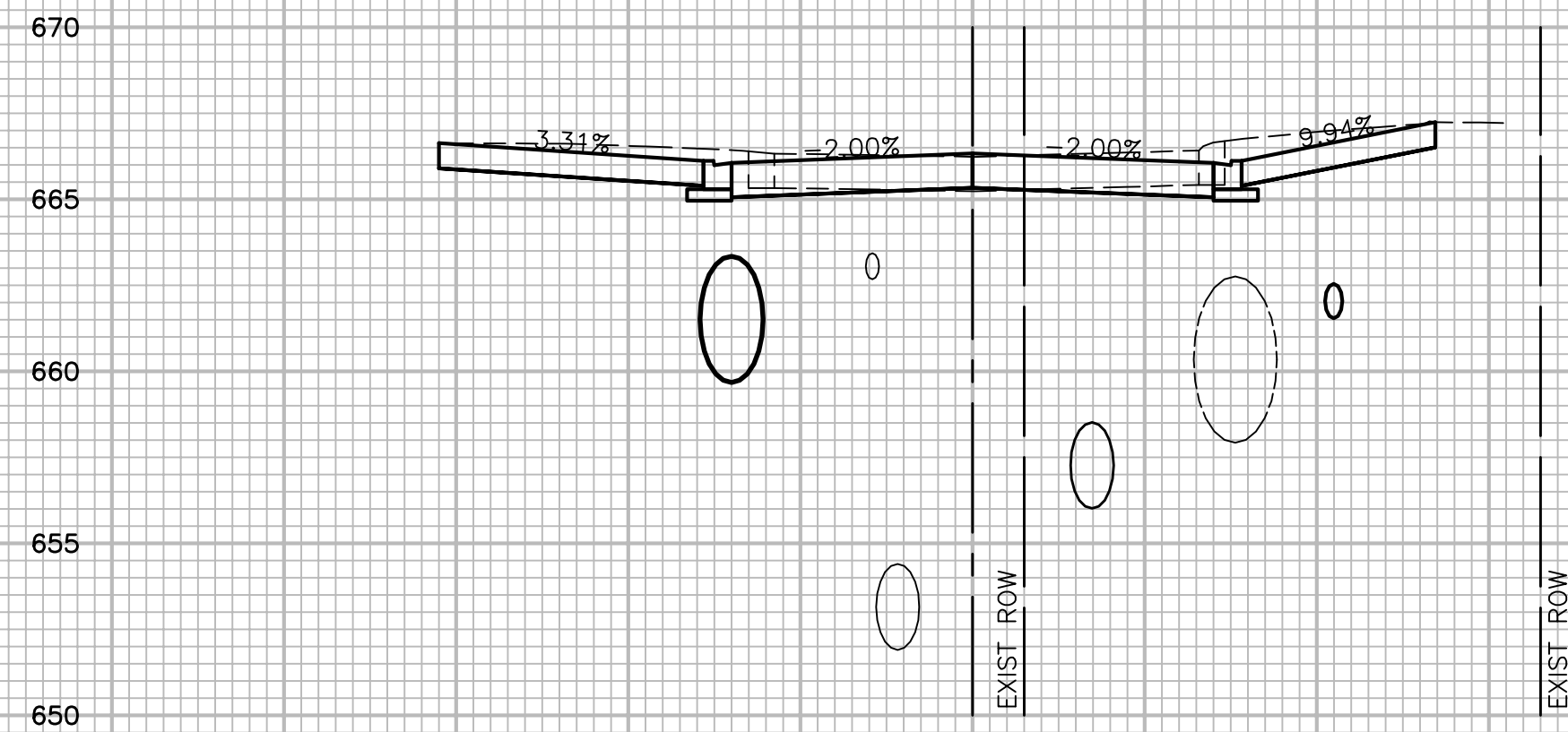
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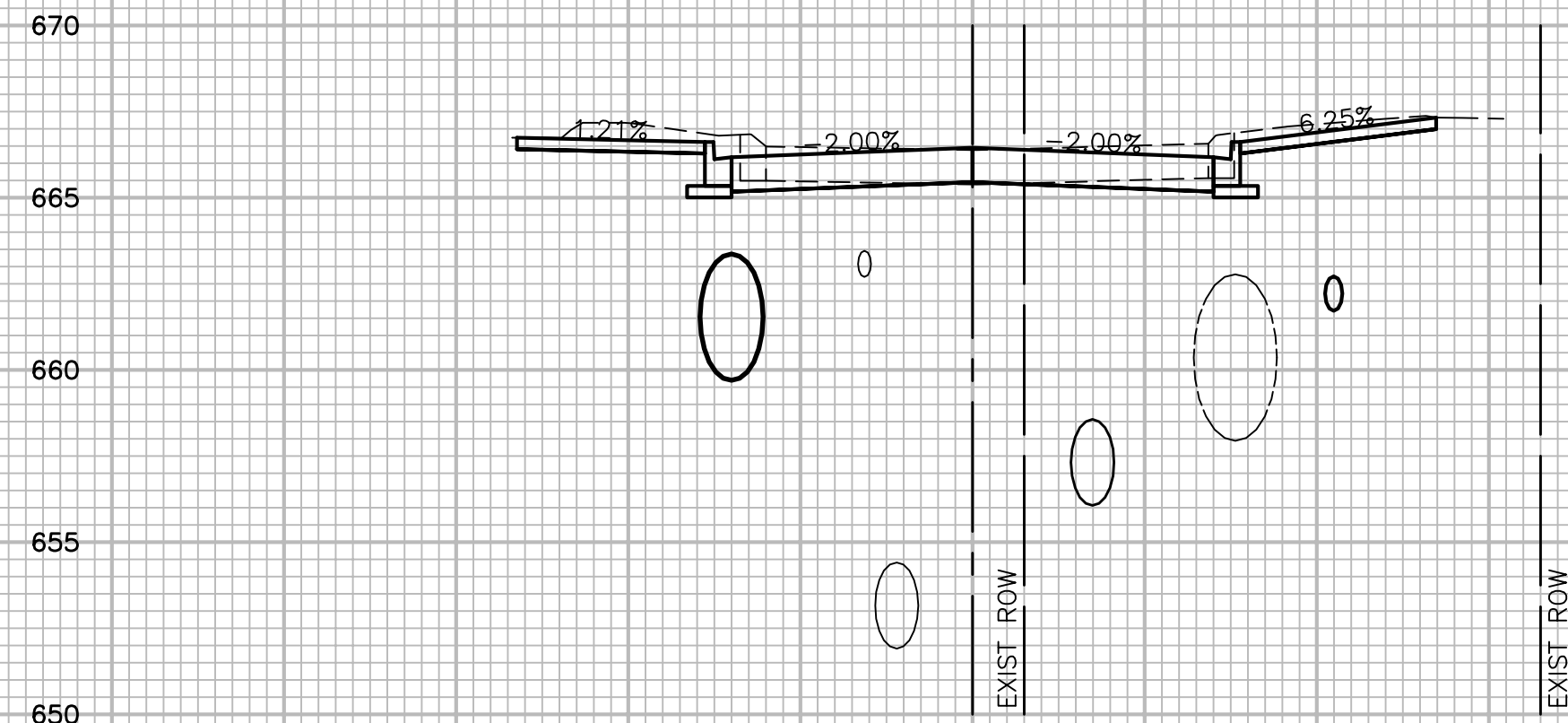
VILLA PARK, ILLINOIS

Drawn by: K.W.M. Date: 09-16-15
Checked by: C.J.K. Scale: H 1"=10' V 1"=5'
Sheet 31 of 36 Project No. 13-583

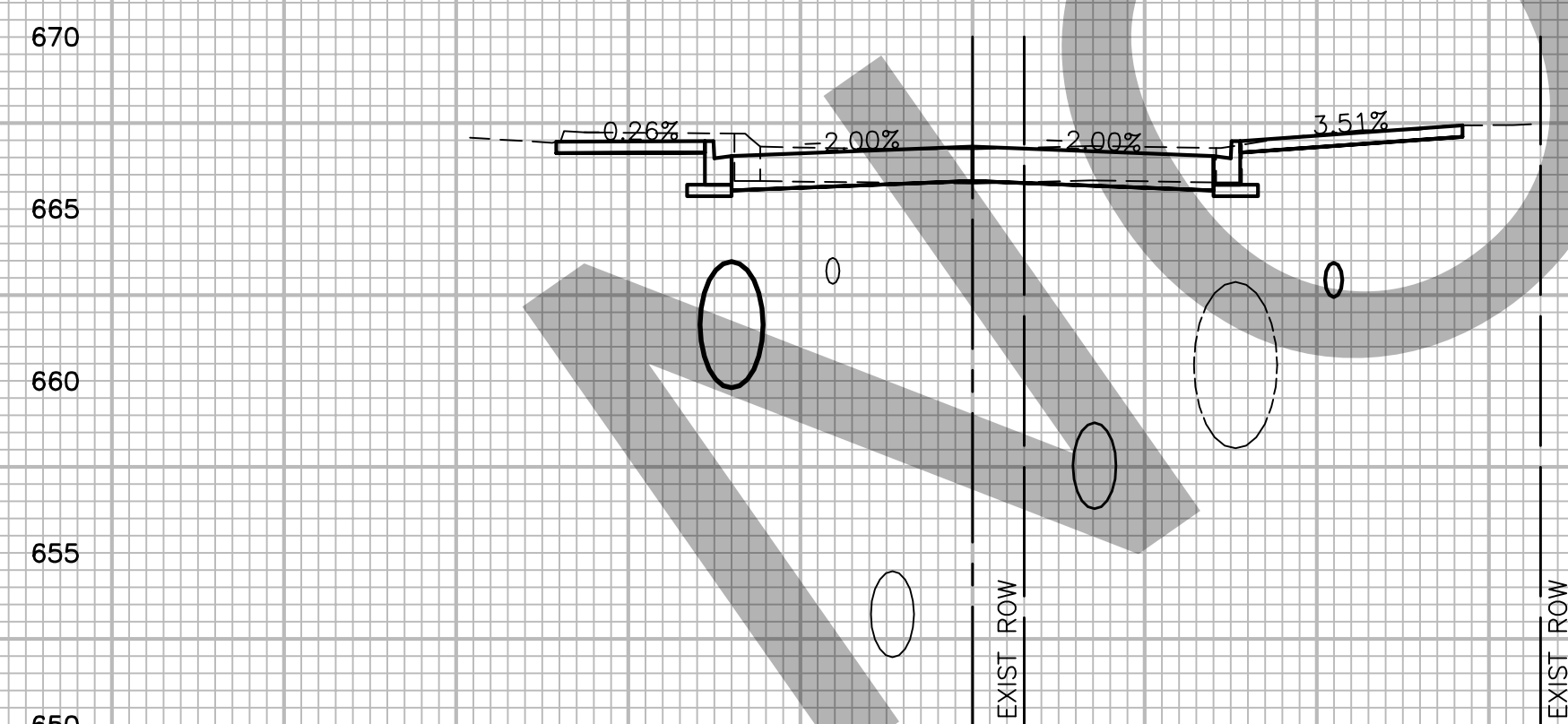
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No.	Date	Remarks



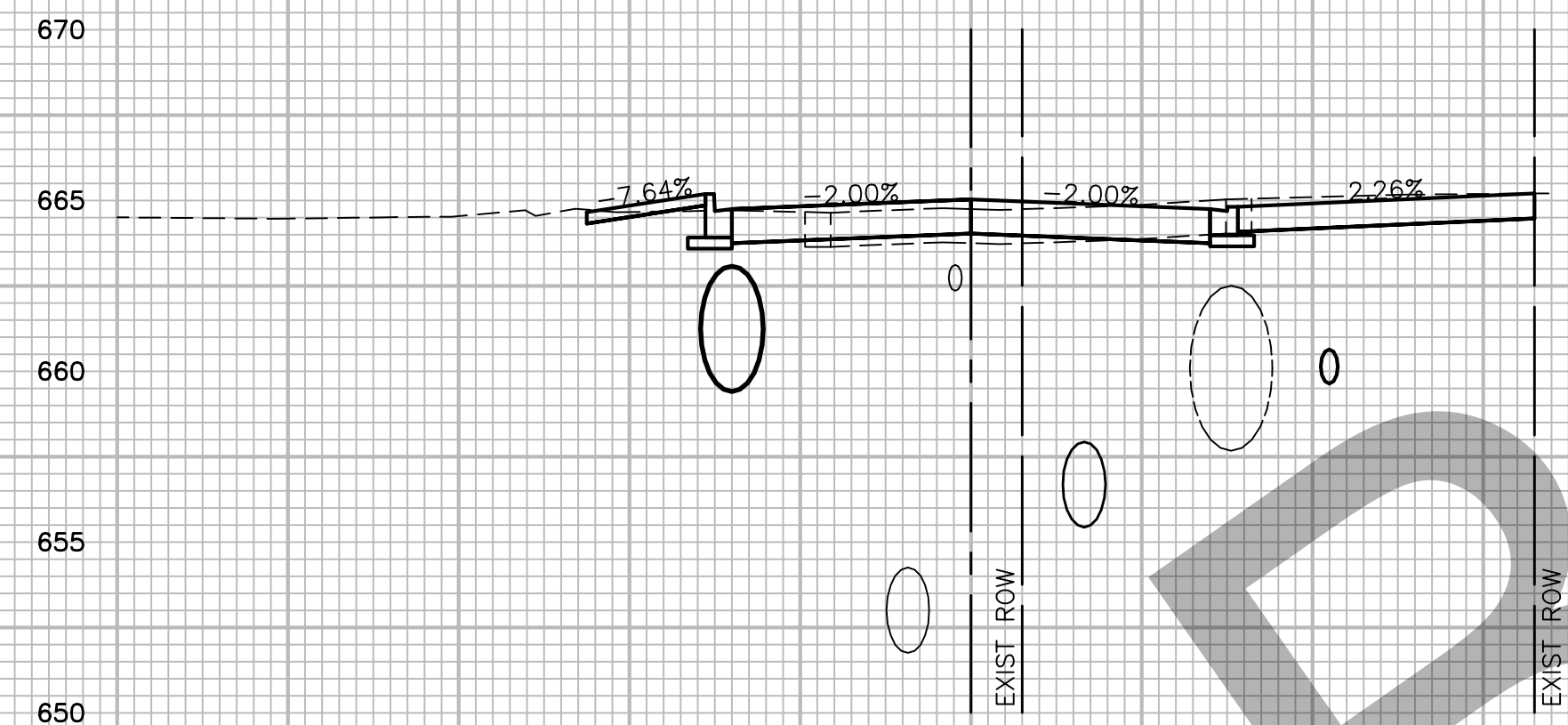
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C=45.8 F=0.0



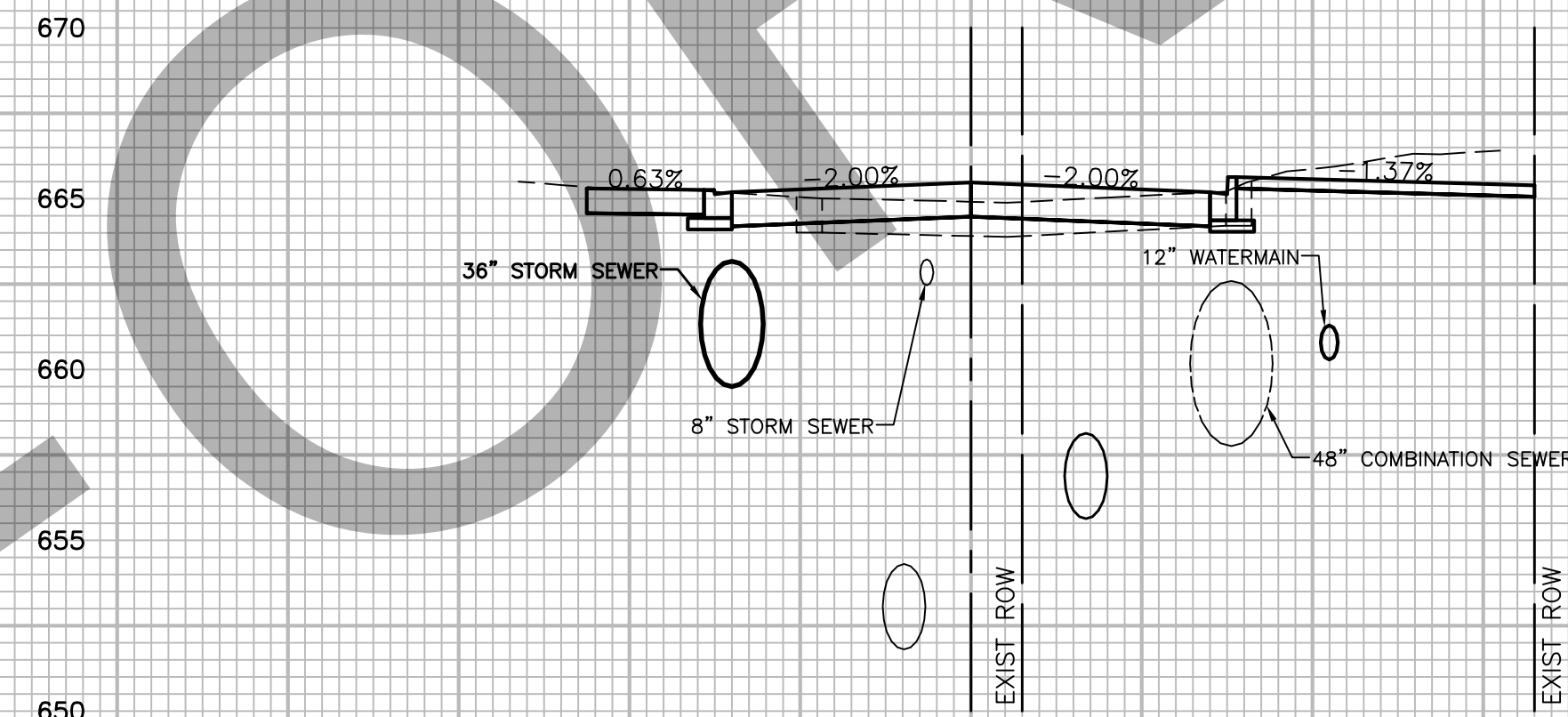
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C=36.9 F=0.0



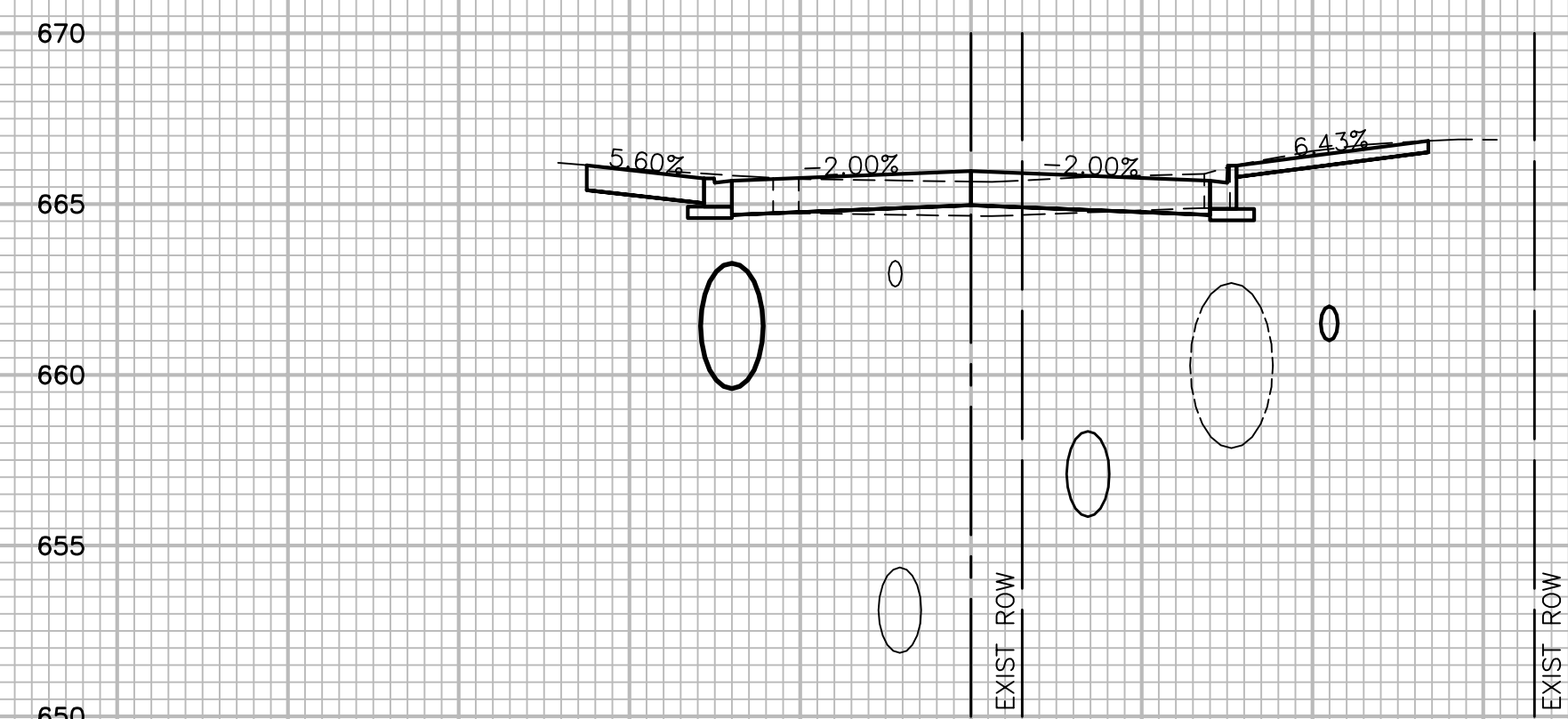
32+00



33+95.23
C=30.5 F=0.2



33+50
C=31.8 F=0.0



33+00
C=26.1 F=0.0

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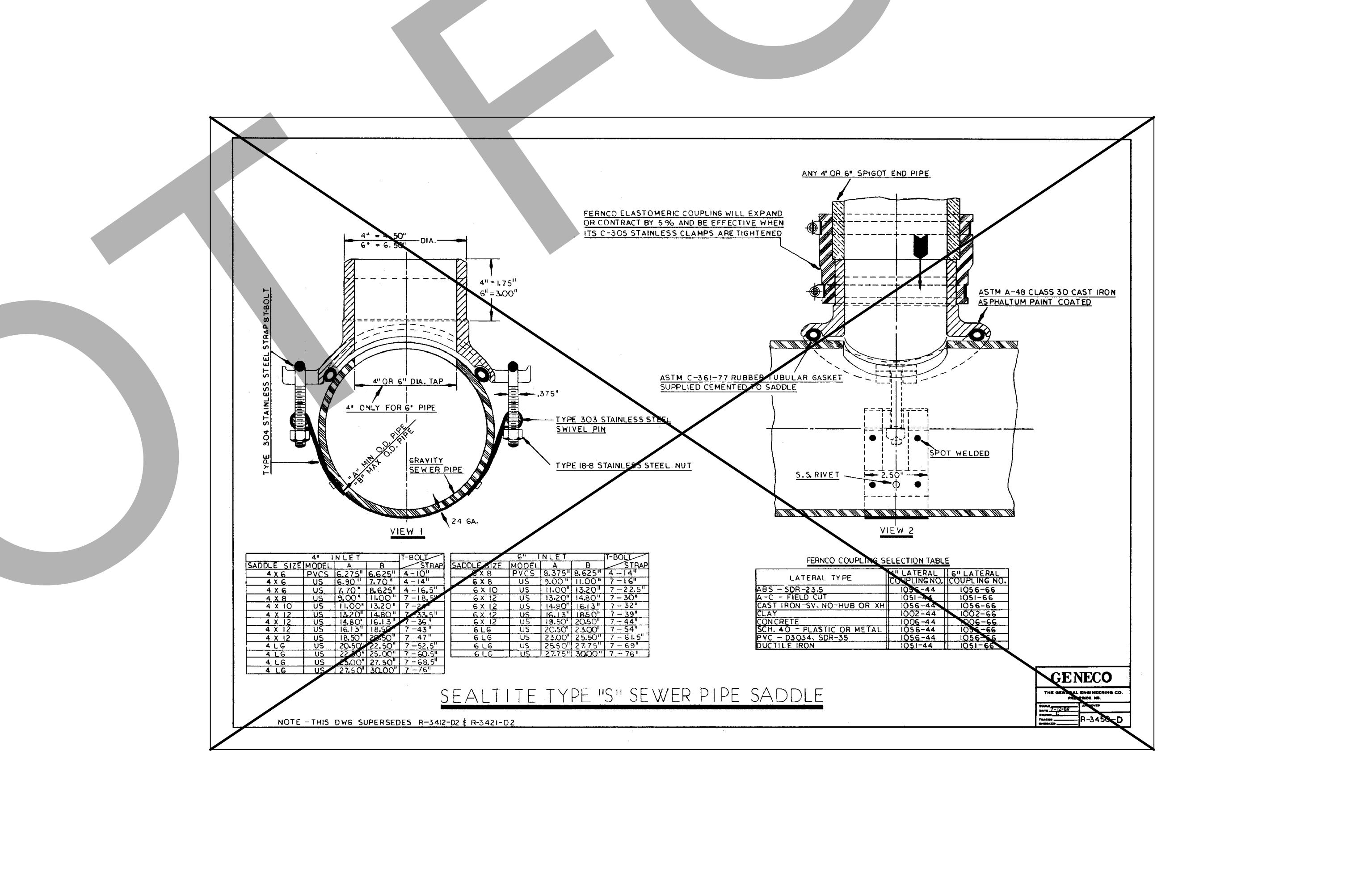
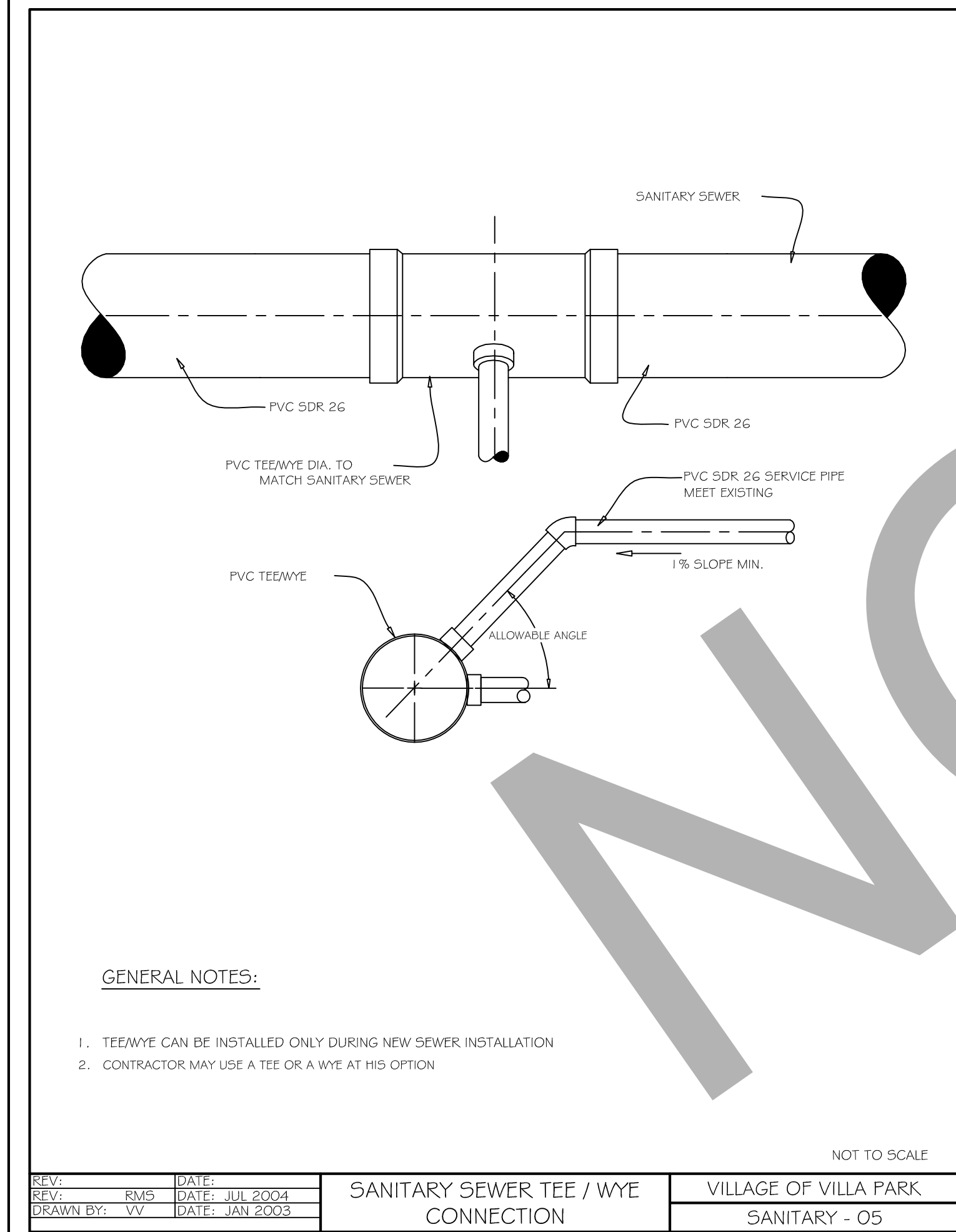
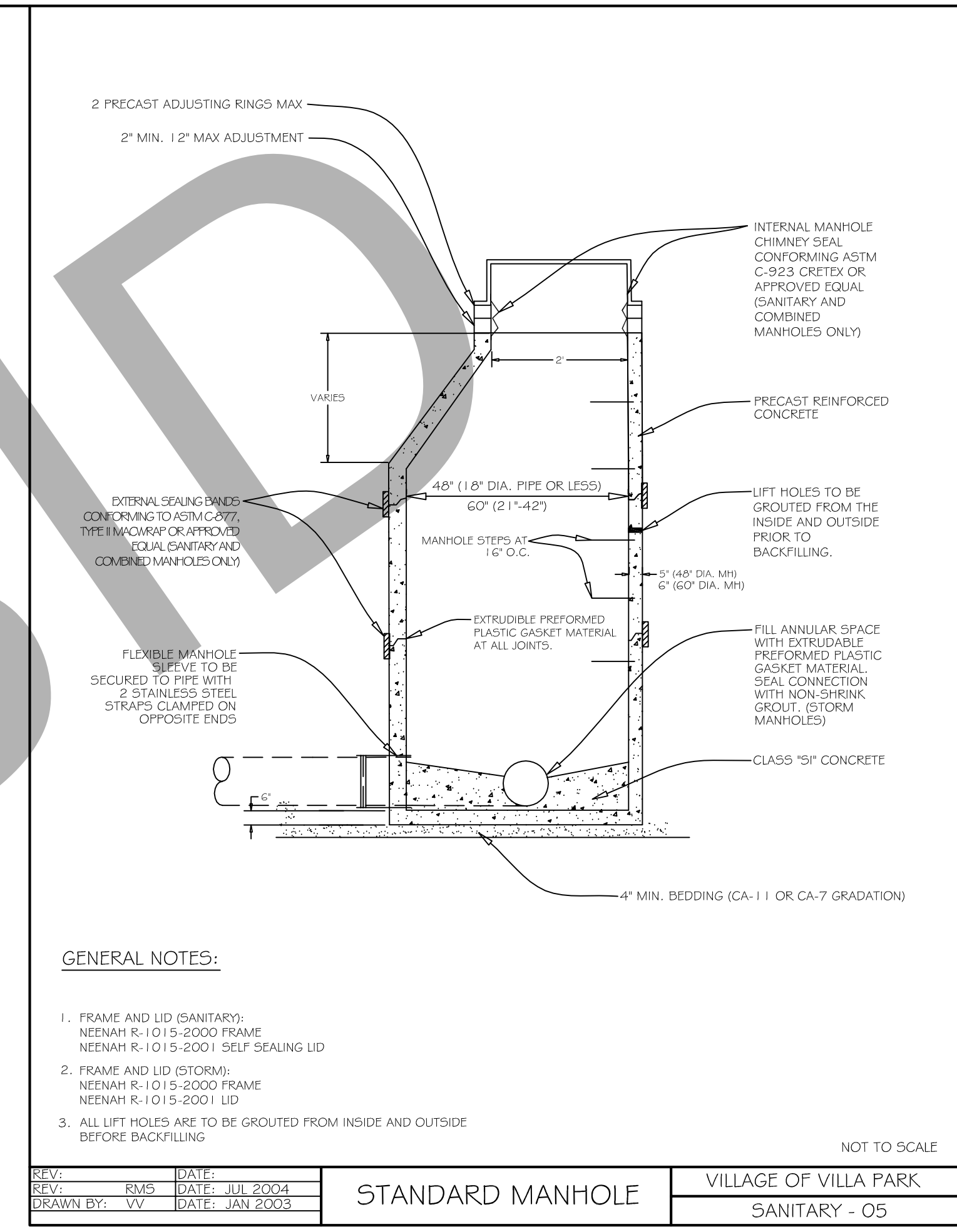
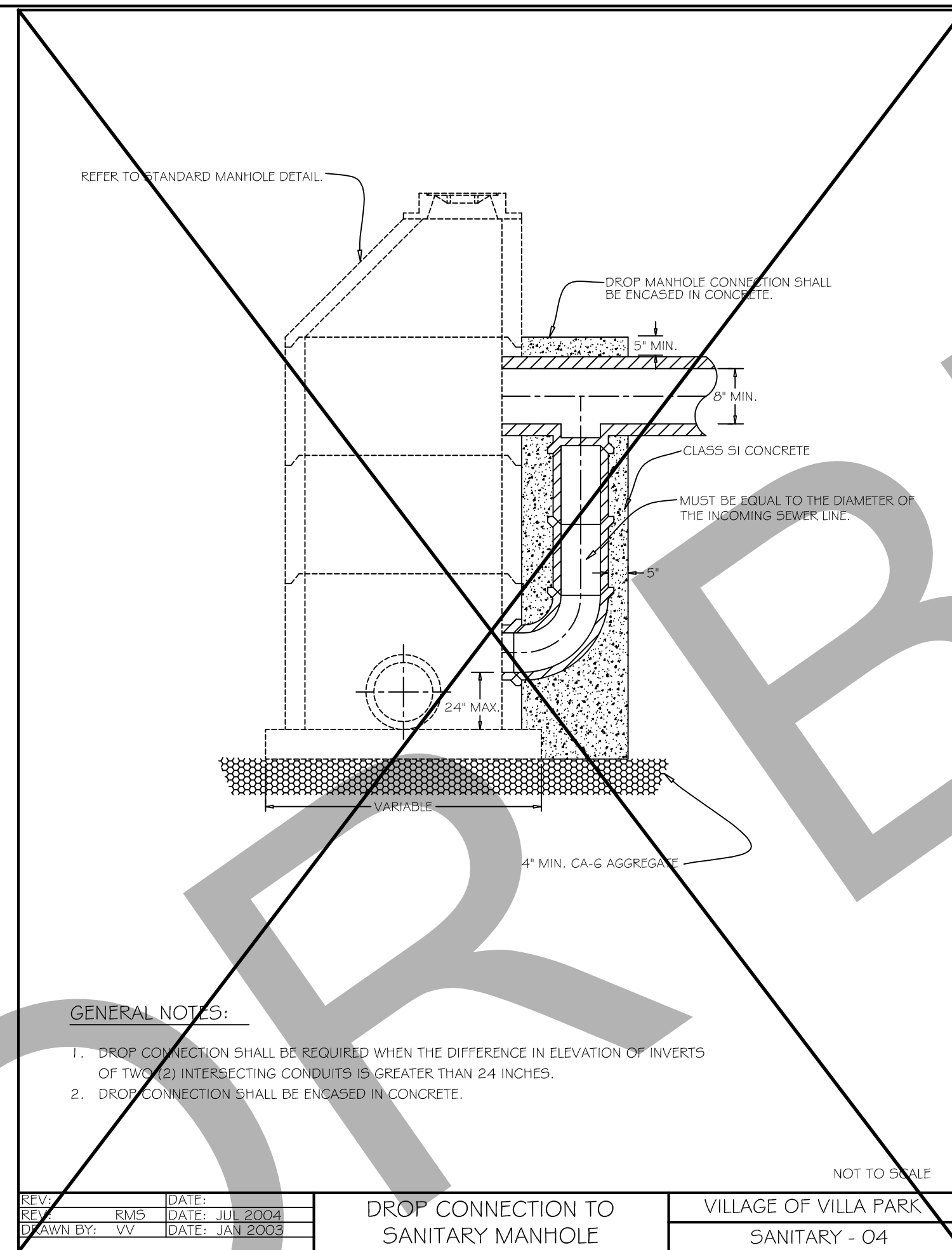
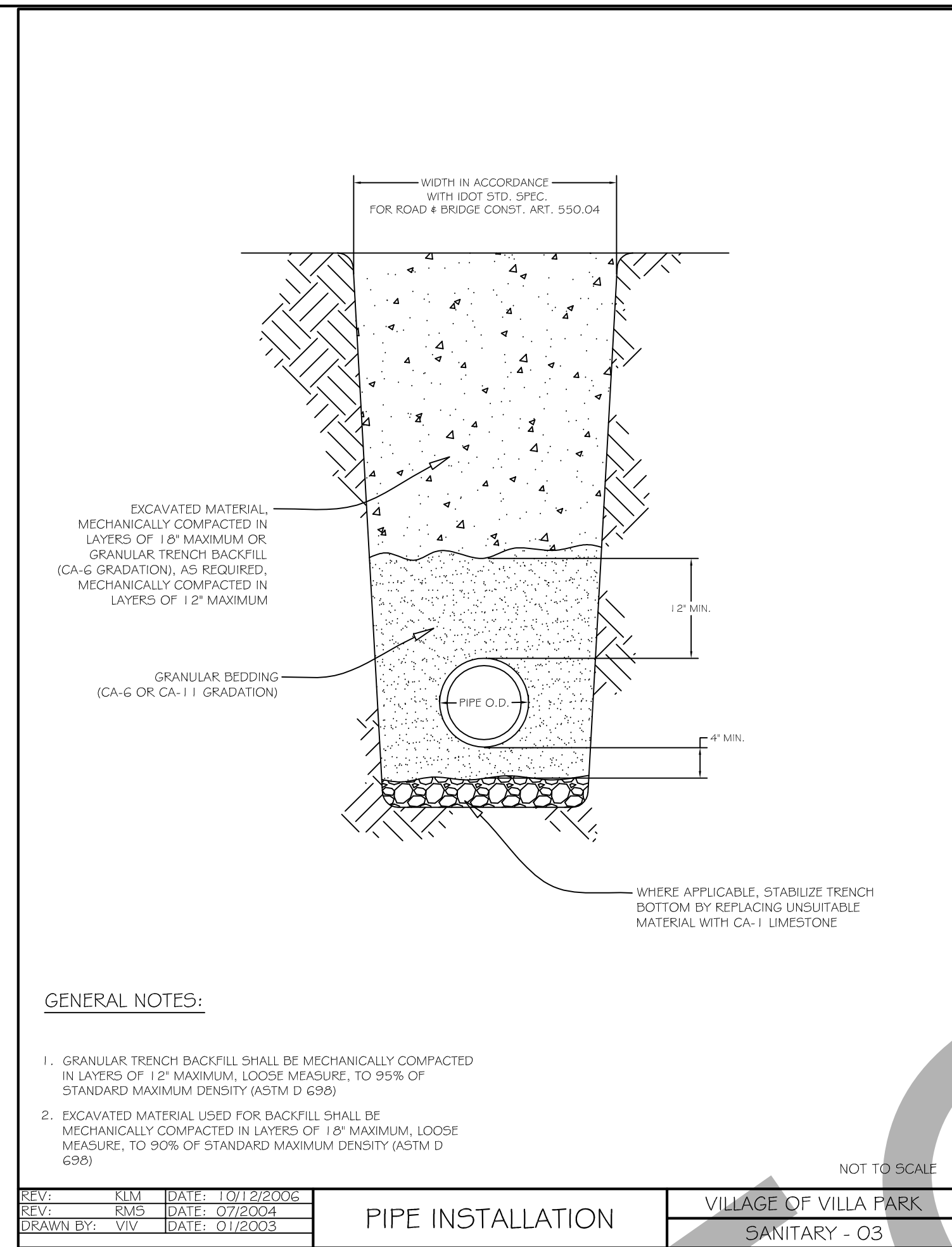
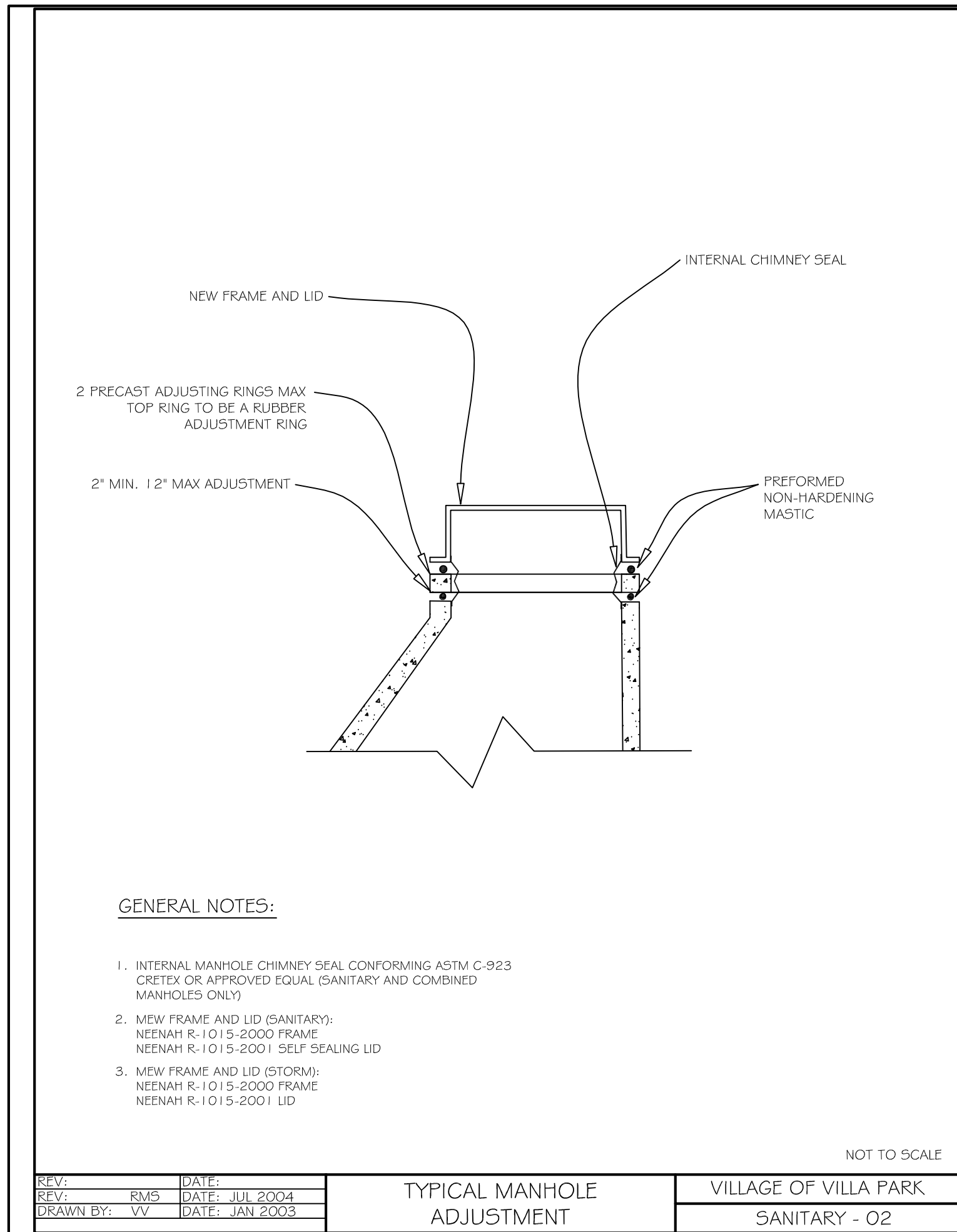
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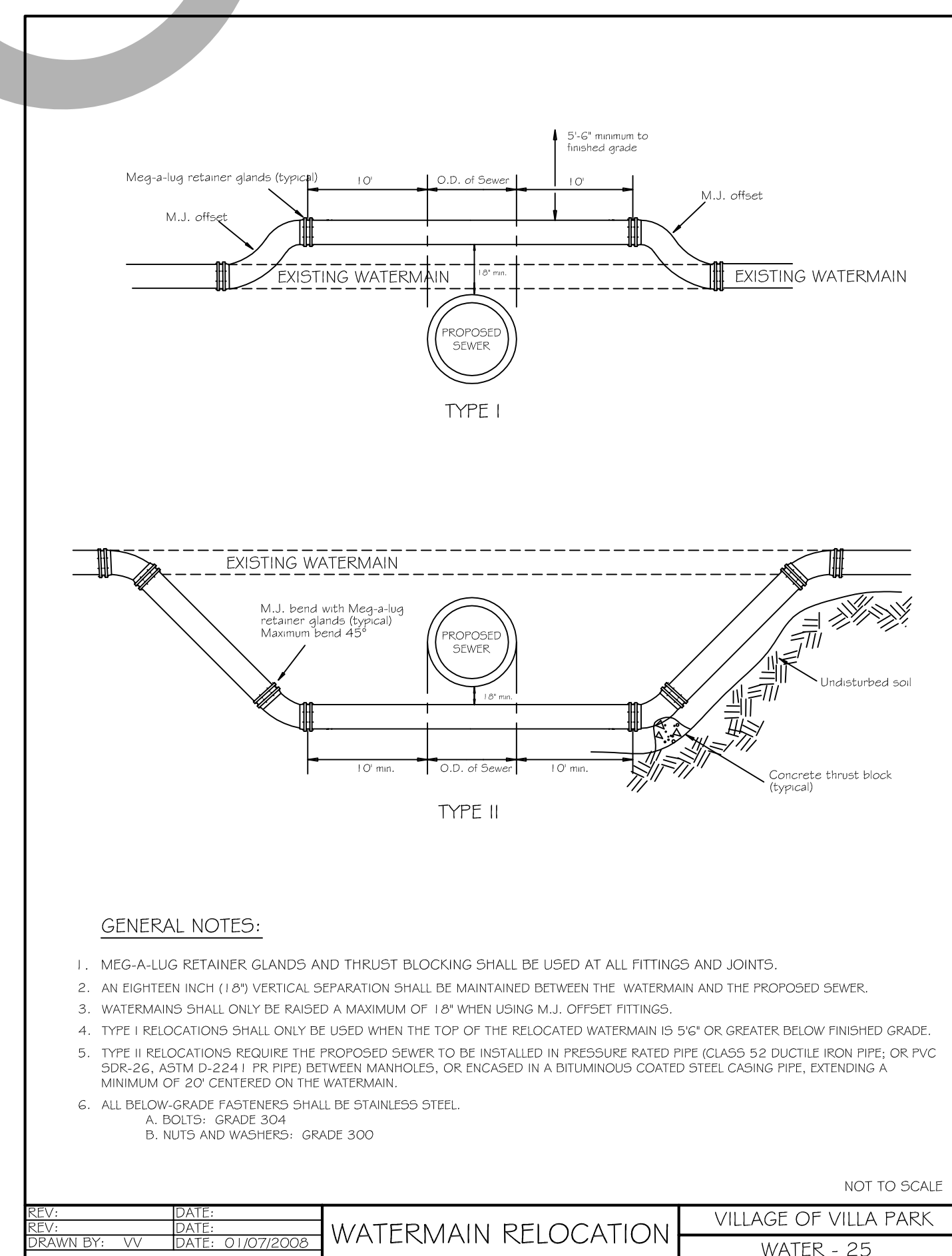
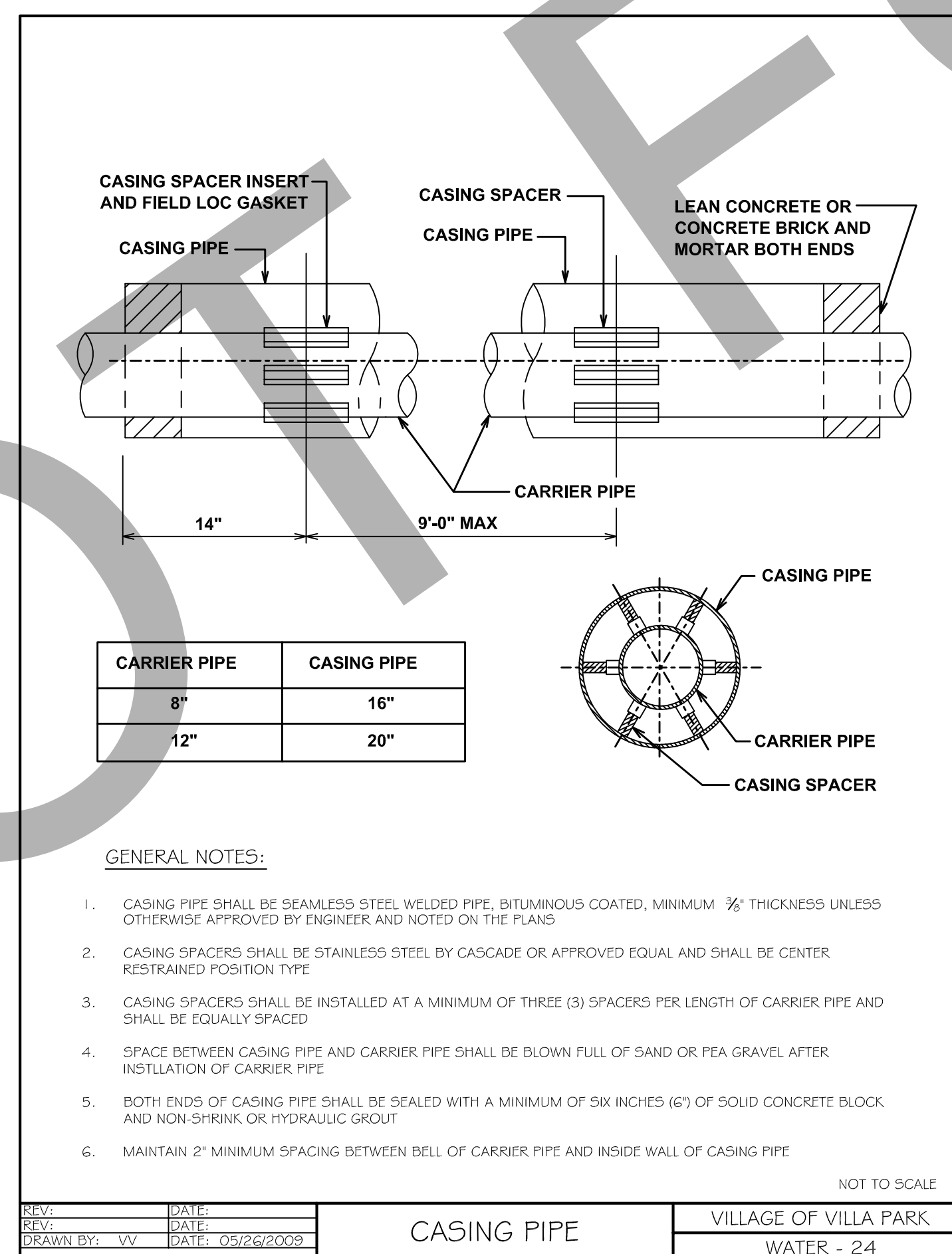
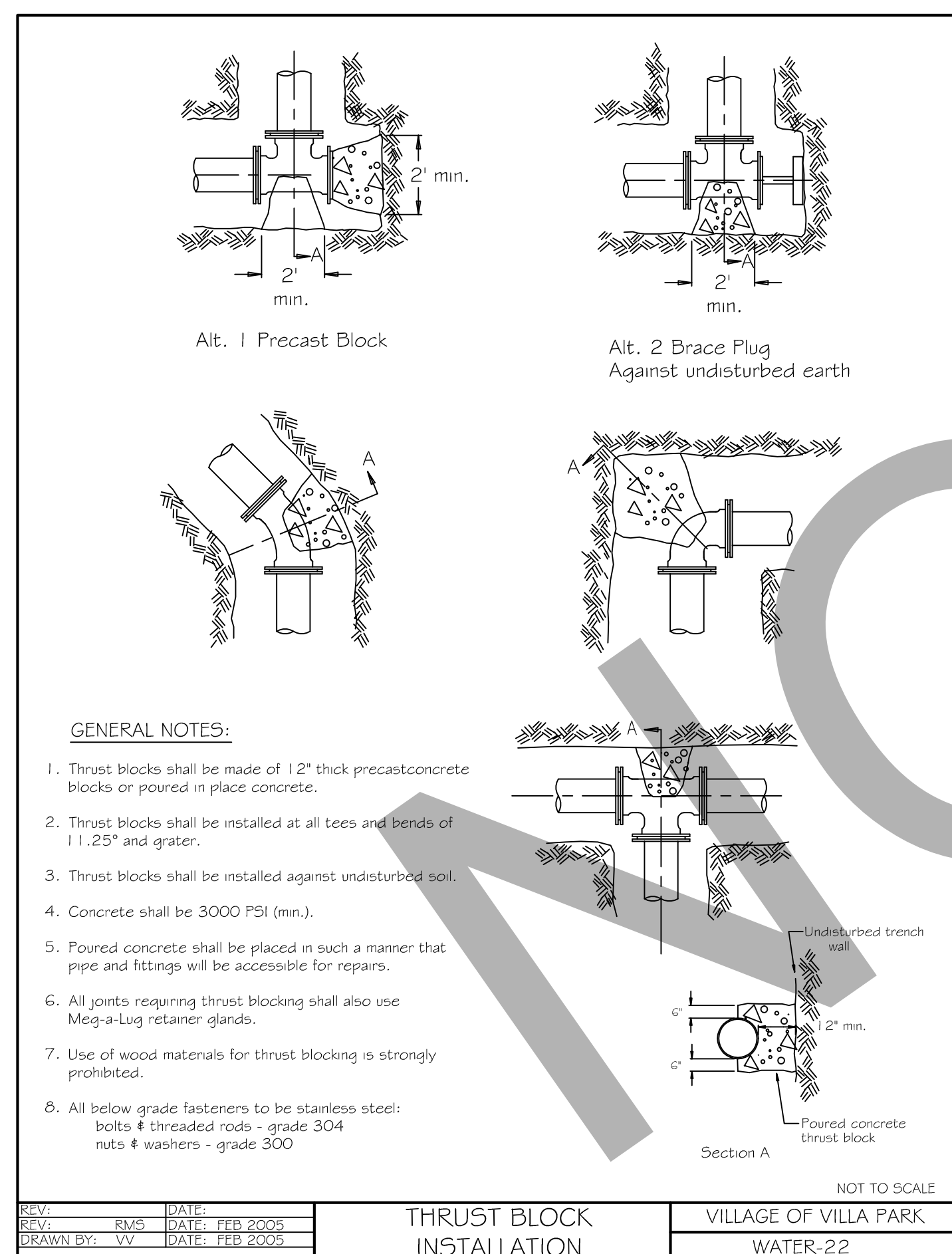
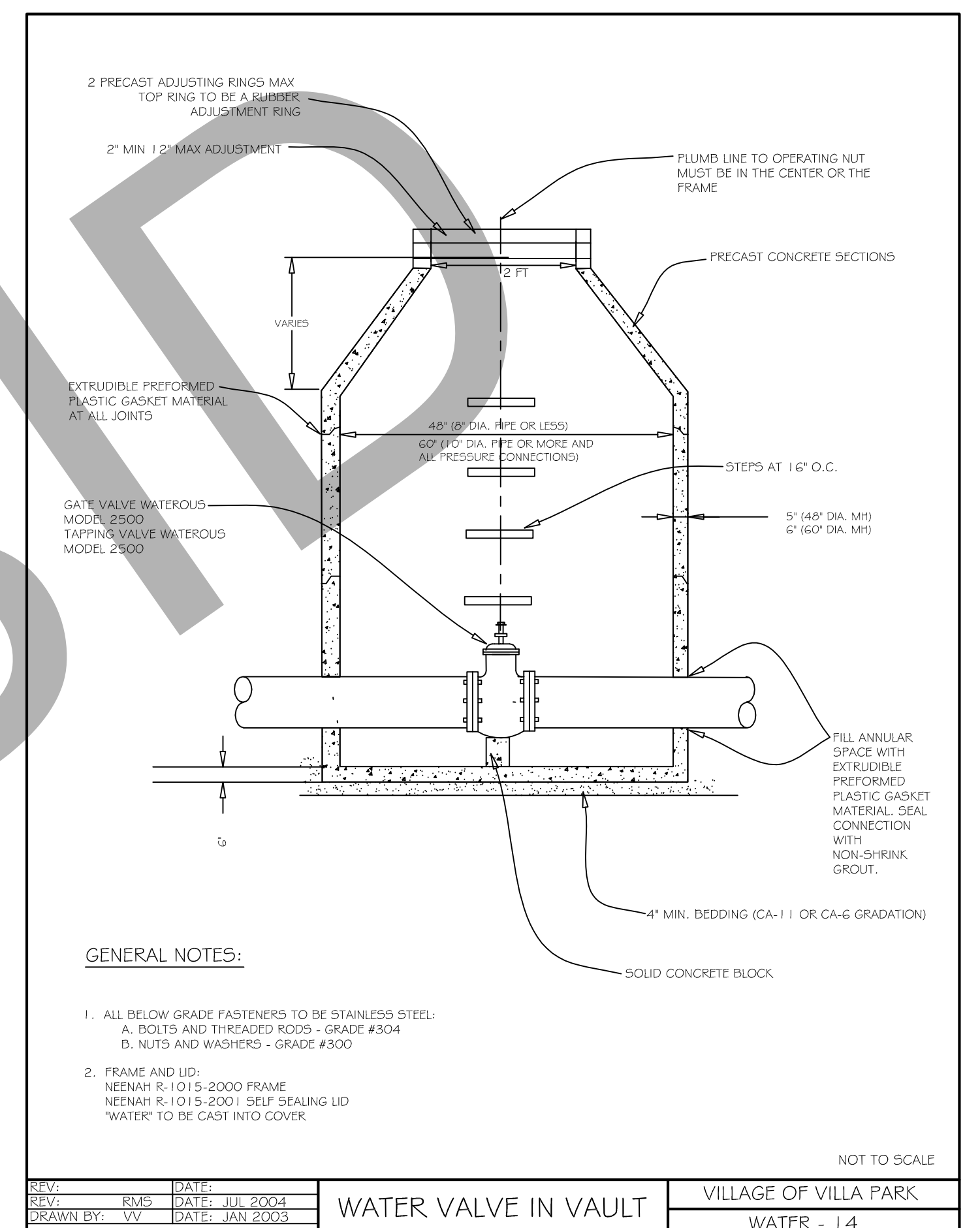
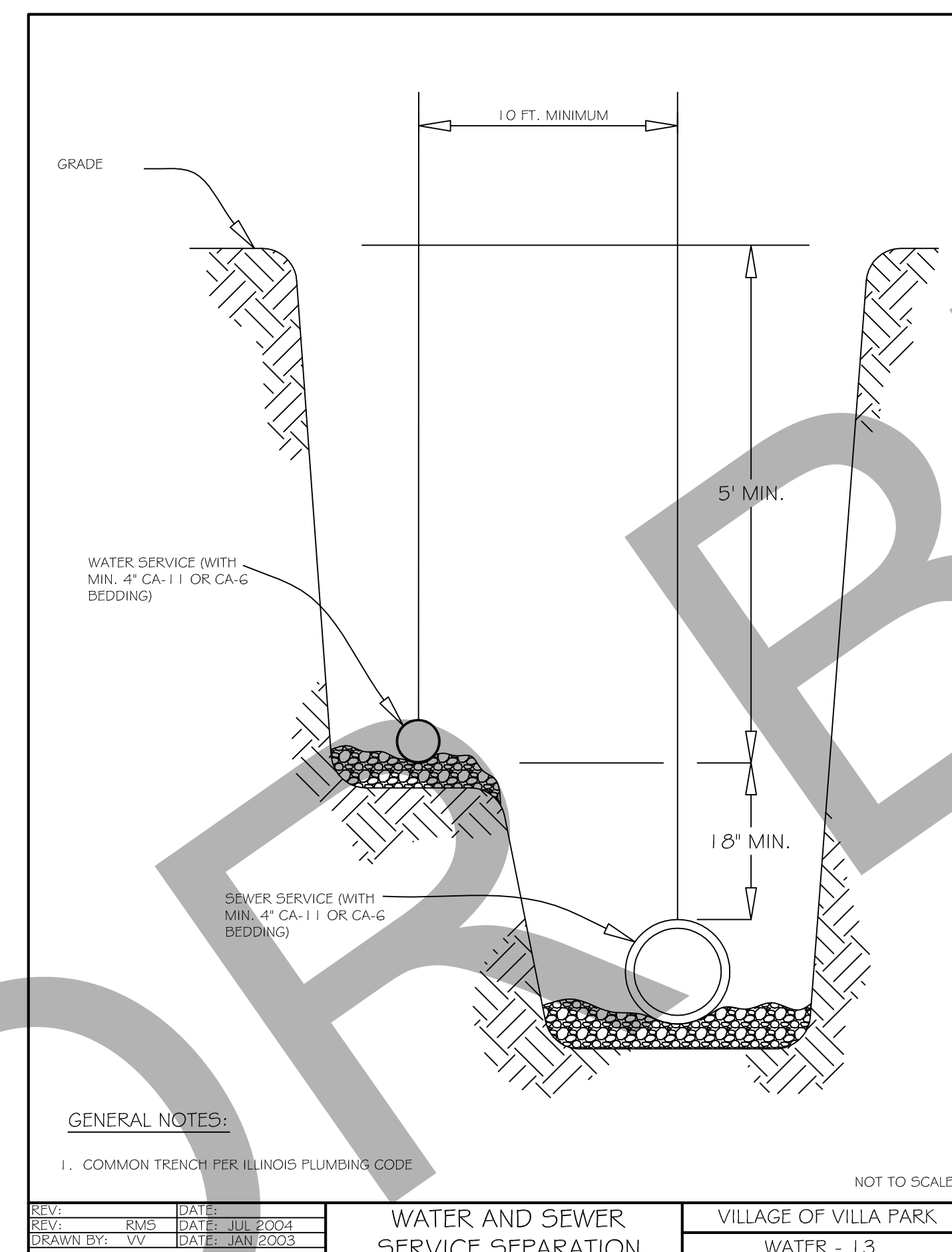
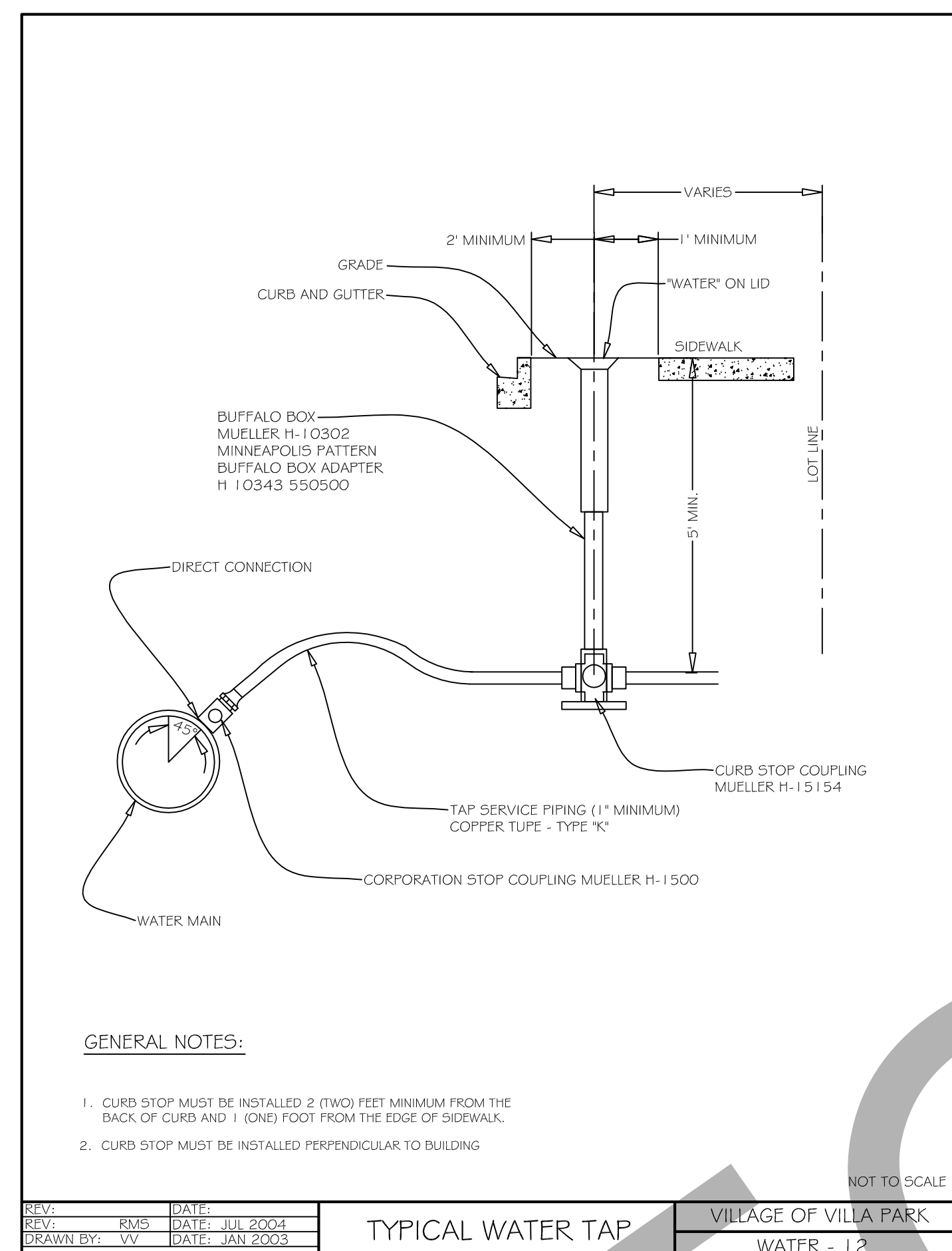
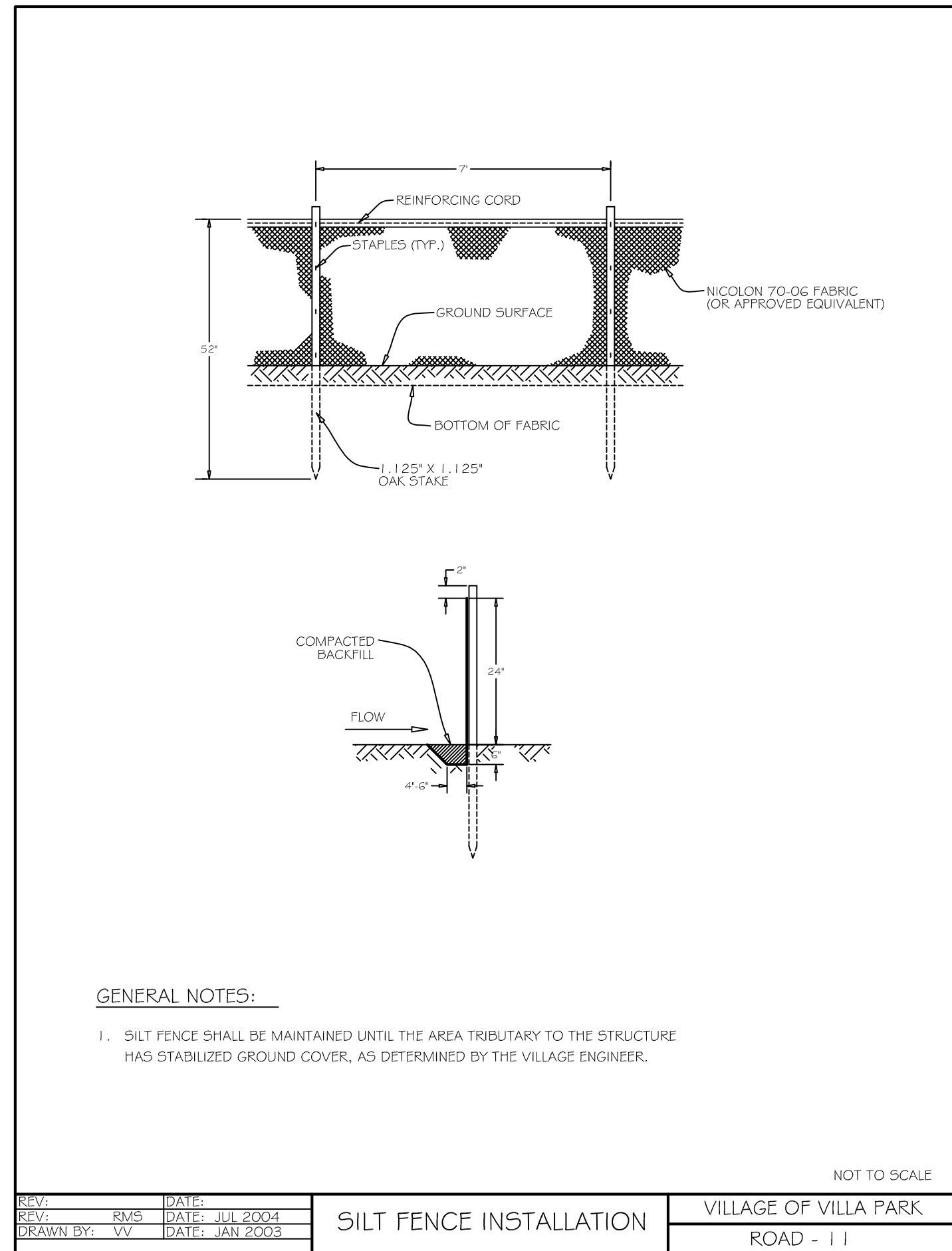
**PARK BOULEVARD RECONSTRUCTION
PARK BOULEVARD
CROSS SECTIONS**

VILLA PARK, ILLINOIS

Drawn by: K.W.M. Date: 09-16-15
Checked by: C.J.K. Scale: H 1"=10' V 1"=5'
Sheet 32 of 36 Project No. 13-583

REVISIONS		
No.	Date	Remarks





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PARK BOULEVARD RECONSTRUCTION PARK BOULEVARD VILLA PARK STANDARD DETAILS		
VILLA PARK, ILLINOIS		
Drawn by: MED	Date: 09-16-15	
Checked by: C.J.K.	Scale: NONE	
Sheet 36 of 36	Project No. 13-583	