

ROCK RIVER WATER RECLAMATION DISTRICT

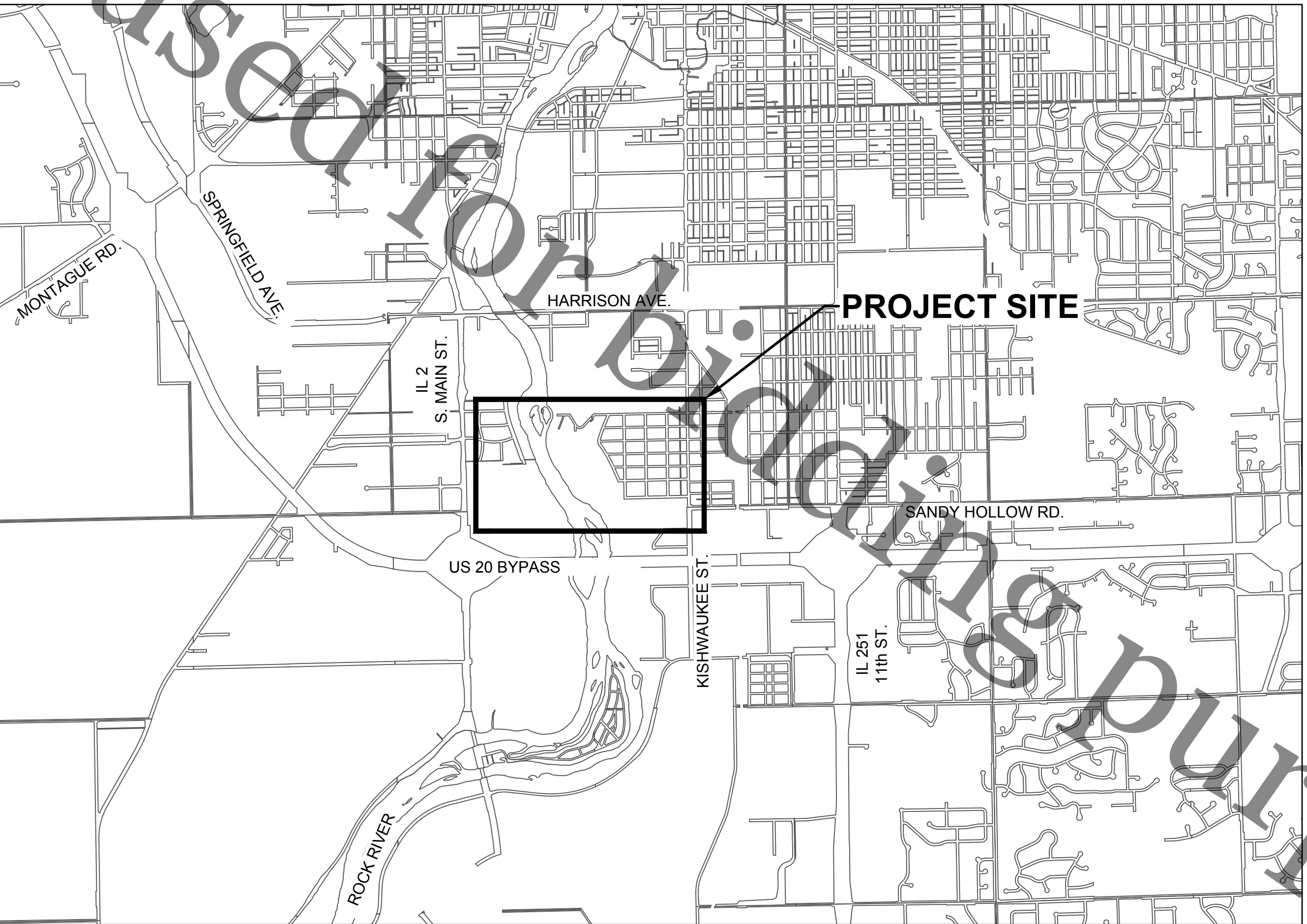
PLANT CONCRETE REPAIRS 2019 - CHLORINE CONTACT TANK SIDEWALK & PLANT DRAINAGE IMPROVEMENTS CAPITAL IMPROVEMENT PROJECT #1950

BOARD OF TRUSTEES

DONALD MASSIER	PRESIDENT
ELMER JONES	VICE-PRESIDENT
RICHARD POLLACK	CLERK/TREASURER
JOHN SWEENEY	TRUSTEE
BEN BERNSTEN	TRUSTEE

OFFICIALS

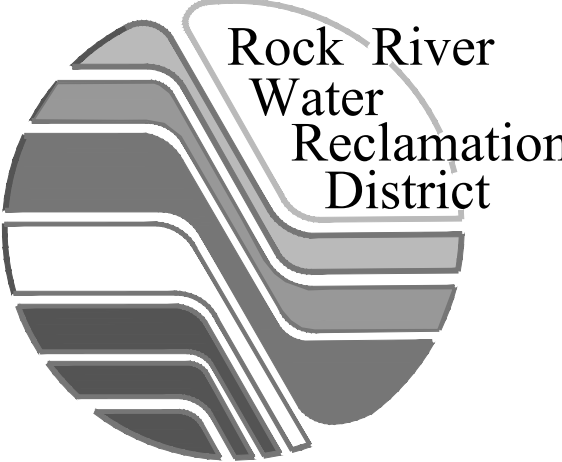
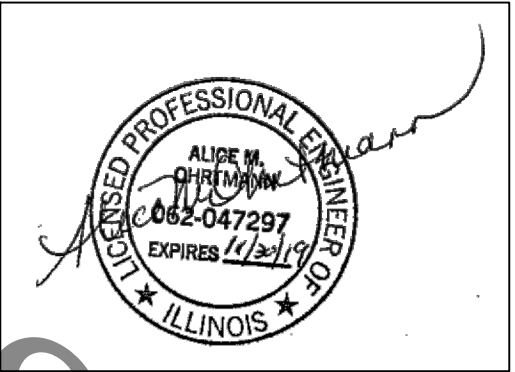
TIMOTHY S. HANSON	DISTRICT DIRECTOR
CHRISTOPHER T. BAER, PE	ENGINEERING MANAGER



WINNEBAGO COUNTY, ILLINOIS

INDEX OF SHEETS

- | | |
|---|---|
| 1 | COVER |
| 2 | LEGEND, GENERAL NOTES, SUMMARY OF QTY'S |
| 3 | ALIGNMENT, TIES, & CONTROL POINTS |
| 4 | PROJECT SITE 1 PLAN VIEW |
| 5 | PROJECT SITE 1 CROSS SECTIONS |
| 6 | PROJECT SITE 2 PLAN VIEW |
| 7 | PROJECT SITE 2 CROSS SECTIONS |
| 8 | EROSION CONTROL, SEEDING & RESTORATION PLAN |



EXISTING	PROPOSED	LEGEND
		RIGHT OF WAY LINE
		PROPERTY LINE
		BUILDING
		WATER EDGE
		EASEMENT - PERMANENT SANITARY
		EASEMENT - TEMPORARY CONSTRUCTION
		VEGETATION / TREE LINE
		TREE DRIPLINE
		CONTOUR - MAJOR
		CONTOUR - MINOR
		FENCE
		FENCE - TEMPORARY CONSTRUCTION
		FENCE - SILT
		ROADWAY CENTERLINE
		EDGE OF PAVEMENT
		CURB & GUTTER
		GUARD RAIL
		RAILROAD TRACKS
		CABLE - OVERHEAD
		CABLE - UNDERGROUND
		ELECTRIC - OVERHEAD
		ELECTRIC - UNDERGROUND
		FIBER OPTIC
		GAS LINE
		TELEPHONE - OVERHEAD
		TELEPHONE - UNDERGROUND
		PEDESTALS (CATV, ELEC, TELE), HANDHOLE, GAS METER, ELEC. METER
		SOIL BORING
		BENCHMARK
		MAILBOX
		UTILITY POLE W/ GUY WIRE & MAST ARM LIGHT POLE
		TREE (DECIDUOUS & CONIFEROUS)
		BUSH & SHRUB
		GROUND / LANDSCAPE LIGHT
		SPOT ELEVATION

EXISTING	PROPOSED	
		SANITARY MANHOLE & SANITARY SEWER
		SANITARY SEWER SERVICE & CLEANOUT
		SANITARY FORCEMAIN
		STORM SEWER
		STORM MANHOLE, CATCH BASIN, CURB INLET, INLET SPECIAL
		DRAINAGE CULVERT, WITH END SECTION
		WATER MAIN
		WATER SERVICE & WATER SERVICE VALVE
		WATER MAIN VALVE
		WATER MAIN VALVE WITH BOX
		WATER MAIN VALVE WITH VAULT
		WATER MAIN REDUCER
		FIRE HYDRANT
		EXISTING SURFACE TYPE (HOT-MIX ASPHALT, AGGREGATE, CONCRETE, TURF)
		DITCH CHECK
		INLET OR PIPE PROTECTION
		CLEARING, SPECIAL
		EROSION CONTROL BLANKET
		HEAVY DUTY EROSION CONTROL BLANKET
		SEEDING AREA, CLASS 1
		PORTLAND CEMENT CONCRETE
		AGGREGATE REPLACEMENT
		SIDEWALK REMOVAL

ABBREVIATIONS

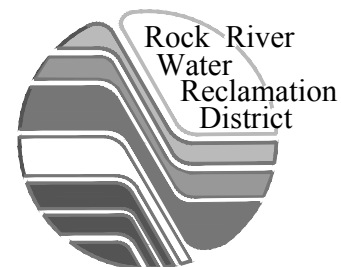
ABD = ABANDON(ED)	LS= LUMP SUM
CMP = CORRUGATED METAL PIPE	MH = MANHOLE
CO = CLEAN OUT	PVMNT = PAVEMENT
CTRL= CONTROL	PR = PROPOSED
CY = CUBIC YARD(S)	RCP = REINFORCED CONCRETE PIPE
DI = DUCTILE IRON	REM = REMOVE(D)
EA = EACH	REPL = REPLACE(D)
EL = ELEVATION	R/R = REMOVE & REPLACE
EROS= EROSION	SAN = SANITARY
EX = EXISTING	SVC = SERVICE
FM = FORCE MAIN	SY = SQUARE YARD(S)
FT = FEET	TY = TYPE
INV = INVERT	UNK = UNKNOWN
LF = LINEAR FEET	VCP = VITRIFIED CLAY PIPE
LINCP= LINED WITH CURED IN PLACE PIPE	WM = WATER MAIN

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	PROJECT SITE 1 QUANTITY	PROJECT SITE 2 QUANTITY
1	Clearing, Special	LS	1.0	0.5	0.5
2	Sidewalk Removal	LS	1.0	1.0	0.0
3	Portland Cement Concrete Sidewalk, 6"	SF	700.0	700.0	0.0
4	Portland Cement Concrete Paved Ditch, 6"	SF	432.0	0.0	432.0
5	Topsoil Furnish & Place with Grading & Shaping	SY	420.0	120.0	300.0
6	Seeding, Class 1 with Fertilizer	SY	420.0	120.0	300.0
7	Construction Layout	LS	1.0	0.5	0.5
8	Utility Trench, Complete	LF	134.0	134.0	0.0

GENERAL NOTES

1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF WORK TO THE LINES AND GRADES SHOWN ON THESE PLANS. CONSTRUCTION SHALL NOT VARY FROM PLANS WITHOUT DISTRICT APPROVAL.
2. THE ROCK RIVER WATER RECLAMATION DISTRICT SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE CONSTRUCTION CAN COMMENCE.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT 8-1-1 OR 1-800-892-0123 AND ANY OTHER UTILITIES NOT ON THE J.U.L.I.E. SYSTEM 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL CONTACT WARREN ADAM IN RRWRD PLANT OPERATIONS, (815) 871-0787, A MINIMUM OF 5 WORKING DAYS PRIOR TO STARTING WORK TO ALLOW TIME FOR PLANT UTILITY LOCATES.
5. ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH DISTRICT SPECIFICATIONS AND THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS, LATEST EDITION.
6. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE I.E.P.A. STANDARDS AND SPECIFICATIONS, AND THE ILLINOIS URBAN MANUAL FOR SOIL EROSION AND SEDIMENT CONTROL.
7. NO HEAVY VIBRATORY EQUIPMENT SHALL BE USED NEAR ANY CANTILEVERED REINFORCED CONCRETE WALLS. ONLY LIGHT DUTY VIBRATORY EQUIPMENT WILL BE ALLOWED.

PROJECT LOCATION & ACCESS MAP



**ROCK RIVER WATER
RECLAMATION DISTRICT
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660**

No.	DATE	REVISION	INT

PLANT CONCRETE REPAIRS 2019 - CHLORINE CONTACT TANK SIDEWALK & PLANT DRAINAGE IMPROVEMENTS

CAPITAL IMPROVEMENT PROJECT #1950

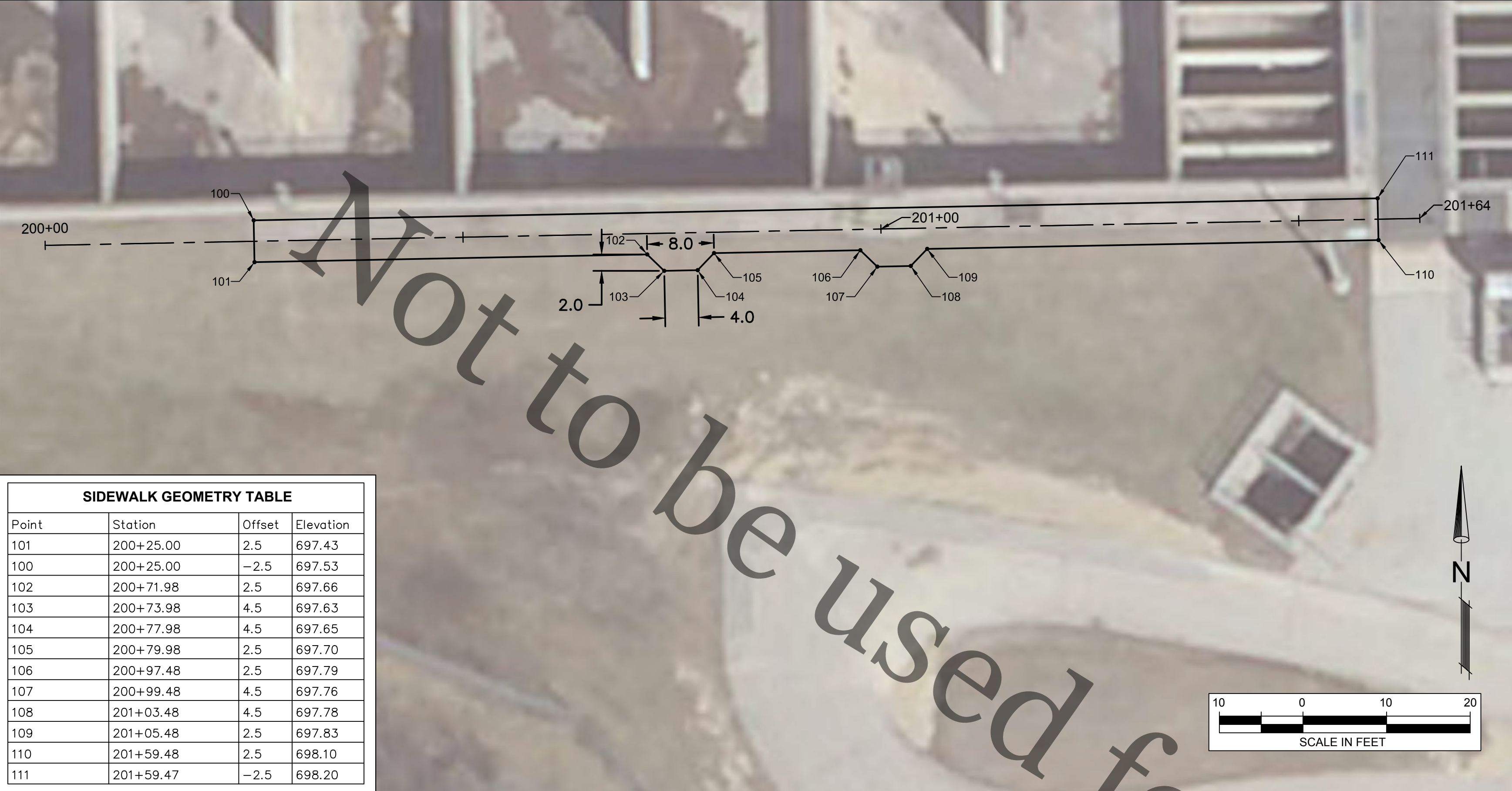
LEGEND, GENERAL NOTES, SUMMARY OF QTY'S

FINAL

Sheet No.
2 OF 8

Date
3/7/2019

file: I:\District Projects\Plant Roadway 2019-2020\Engineering\Drawings\Plant Roadway Replacement 2019 - Alignment & Control.dwg



SIDEWALK GEOMETRY TABLE			
Point	Station	Offset	Elevation
101	200+25.00	2.5	697.43
100	200+25.00	-2.5	697.53
102	200+71.98	2.5	697.66
103	200+73.98	4.5	697.63
104	200+77.98	4.5	697.65
105	200+79.98	2.5	697.70
106	200+97.48	2.5	697.79
107	200+99.48	4.5	697.76
108	201+03.48	4.5	697.78
109	201+05.48	2.5	697.83
110	201+59.48	2.5	698.10
111	201+59.47	-2.5	698.20



PROJECT SITE 1 ALIGNMENT LINE TABLE				
LINE #	LENGTH	DIRECTION	START STATION	END STATION
L9	164.48	N88° 52' 27.81"E	STA. 200+00.00 N: 2026019.21 E: 2586254.73	STA. 201+64.48 N: 2026022.44 E: 2586419.18

PROJECT SITE 1: CHLORINE CONTACT TANK SIDEWALK



ROCK RIVER WATER
RECLAMATION DISTRICT
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660

No.	DATE	REVISION	INT.

PLANT CONCRETE REPAIRS 2019 - CHLORINE CONTACT TANK
SIDEWALK & PLANT DRAINAGE IMPROVEMENTS
CAPITAL IMPROVEMENT PROJECT #1950



PROJECT SITE 2 ALIGNMENT LINE TABLE				
LINE #	LENGTH	DIRECTION	START STATION	END STATION
L2	51.43	N23° 37' 08.97"E	STA. 99+50.00 N: 2026168.16 E: 2587129.30	STA. 100+01.43 N: 2026215.28 E: 2587149.91
L3	75.59	N16° 22' 07.40"W	STA. 100+18.87 N: 2026232.34 E: 2587150.99	STA. 100+94.46 N: 2026304.86 E: 2587129.69
L4	56.52	N62° 45' 49.60"W	STA. 101+06.61 N: 2026313.97 E: 2587122.16	STA. 101+63.13 N: 2026339.84 E: 2587071.91
L5	69.30	N00° 58' 00.56"E	STA. 101+63.13 N: 2026339.84 E: 2587071.91	STA. 102+32.43 N: 2026409.13 E: 2587073.07

PROJECT SITE 2 ALIGNMENT CURVE TABLE							
CURVE #	PI (STA., N, E)	Δ	RADIUS	LENGTH	TANGENT	PC (STA., N, E)	PT (STA., N, E)
C1	STA. 100+10.52 N: 2026223.61 E: 2587153.55	229°10'59.22"	25.00	17.45	9.10	STA. 2026223.61 N: 2026215.28 E: 2587149.91	STA. 100+18.87 N: 2026232.34 E: 2587150.99
C2	STA. 101+00.89 N: 2026311.03 E: 2587127.87	381°58'18.71"	15.00	12.15	6.43	STA. 2026311.03 N: 2026304.86 E: 2587129.69	STA. 101+06.61 N: 2026313.97 E: 2587122.16

CONTROL POINT TABLE				
CP#	Elevation	Northing	Easting	Description
3	700.99	2026208.72	2586622.37	CP - CUT X
4	703.93	2026215.37	2586975.49	CP - CUT X
5	698.36	2025928.10	2586514.95	CP - 1/2" REBAR
15	700.31	2026392.24	2587059.66	CP - MAG
31	703.92	2025945.95	2587090.86	CP - CUT X

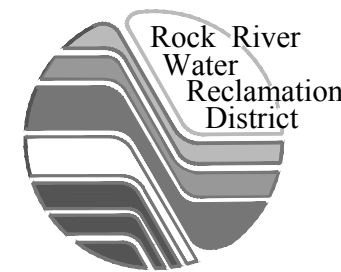
PROJECT SITE 2: PLANT DRAINAGE IMPROVEMENTS

ALIGNMENT, TIES, & CONTROL POINTS
PROJECT SITE 1 & PROJECT SITE 2

FINAL

Sheet No.
3 OF 8
Date
3/7/2019

file: I:\District Projects\Chlorine Contact Tank Repair 1850\Engineering\Drawings\Chlorine Contact Concrete & Drainage - Design.dwg



**ROCK RIVER WATER
RECLAMATION DISTRICT**
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660

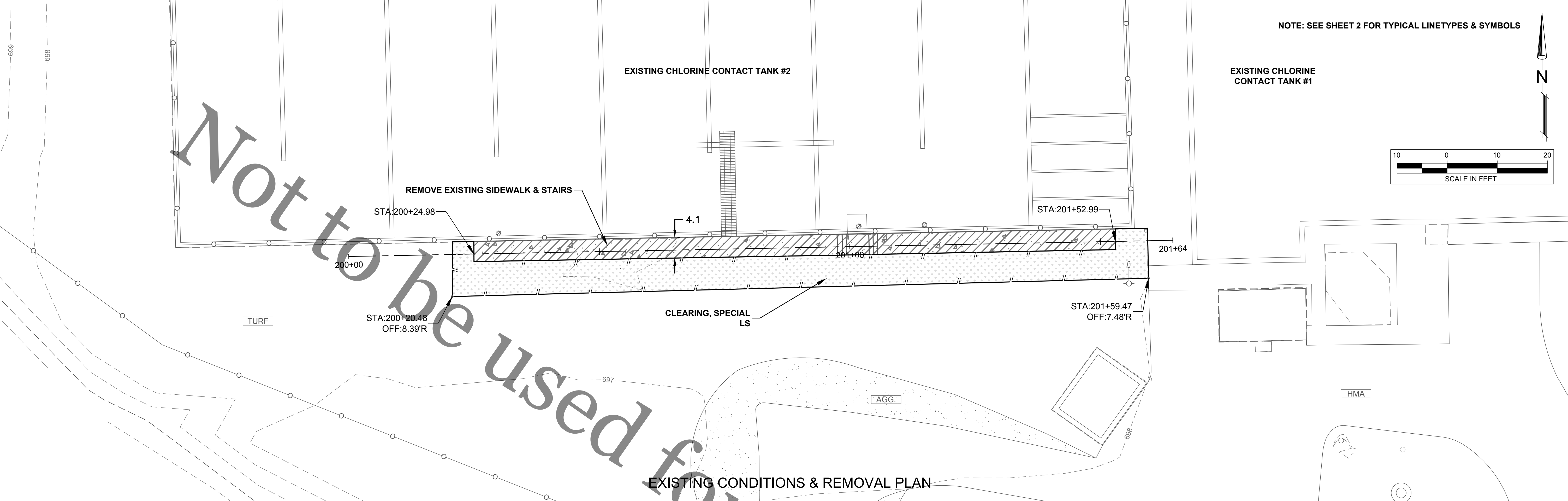
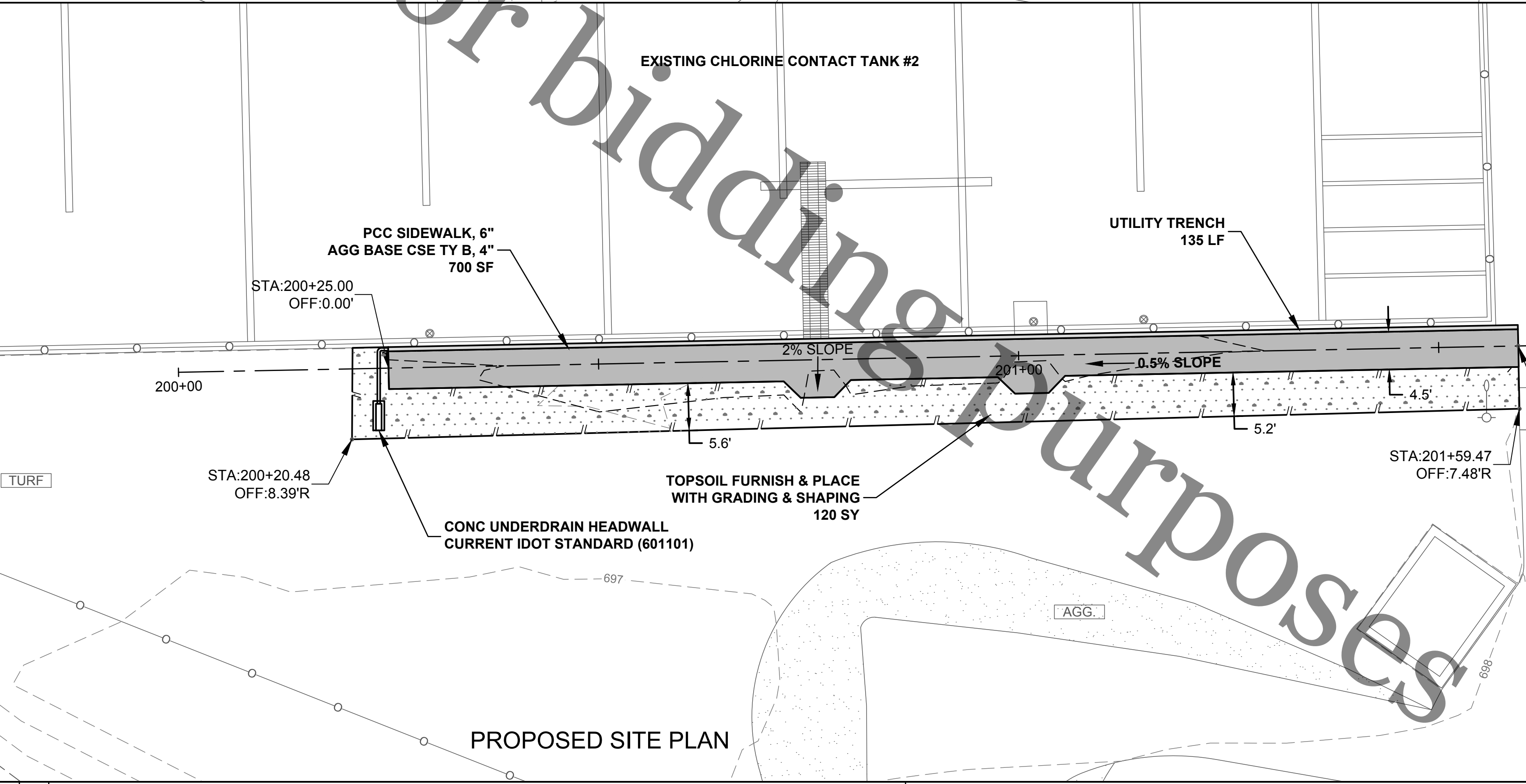
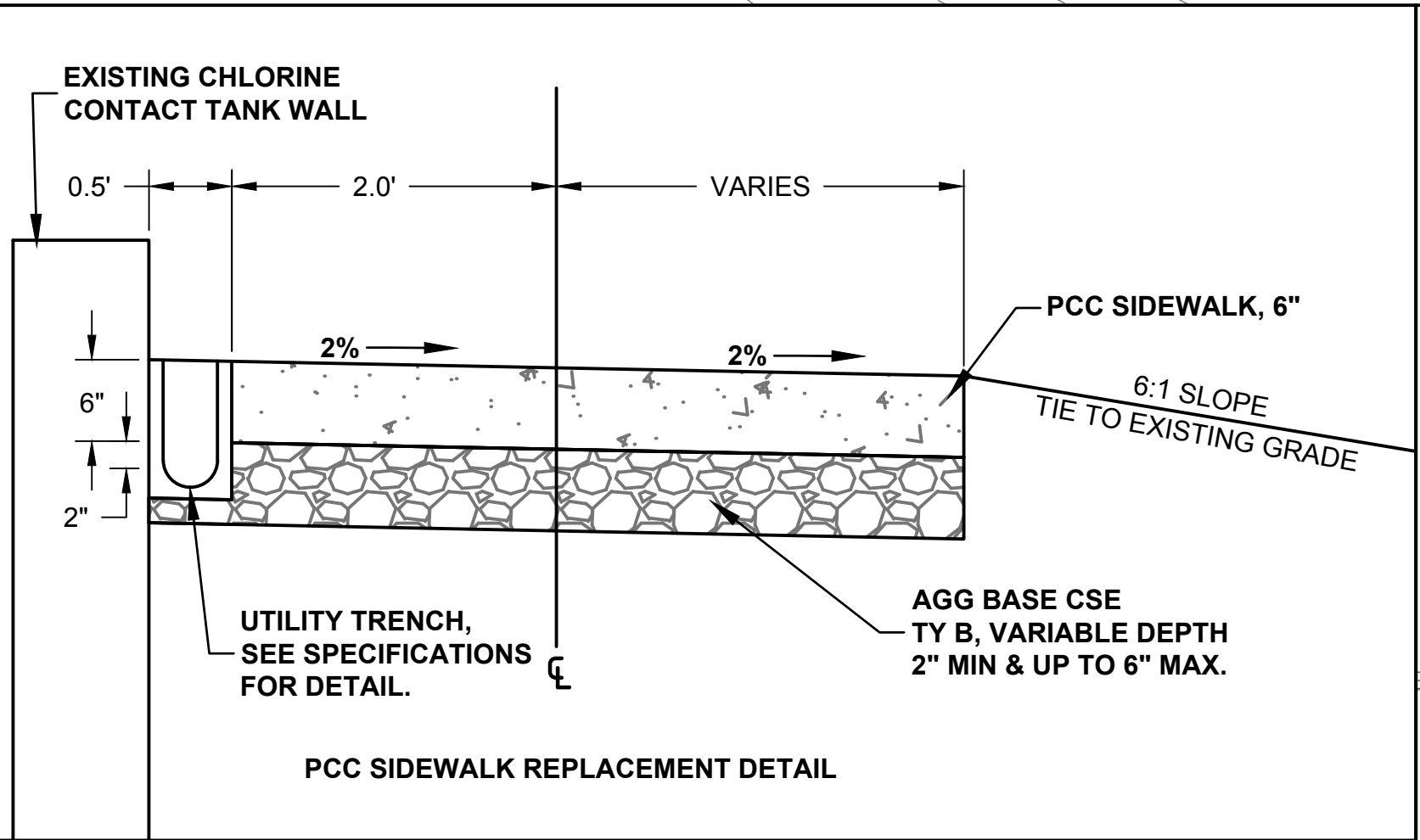
No.	DATE	REVISION	INT.

**PLANT CONCRETE REPAIRS 2019 - CHLORINE CONTACT TANK
SIDEWALK & PLANT DRAINAGE IMPROVEMENTS**
CAPITAL IMPROVEMENT PROJECT #1950

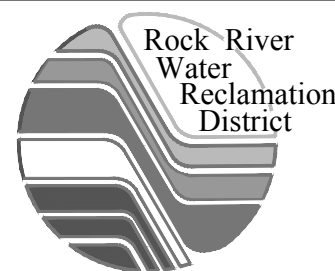
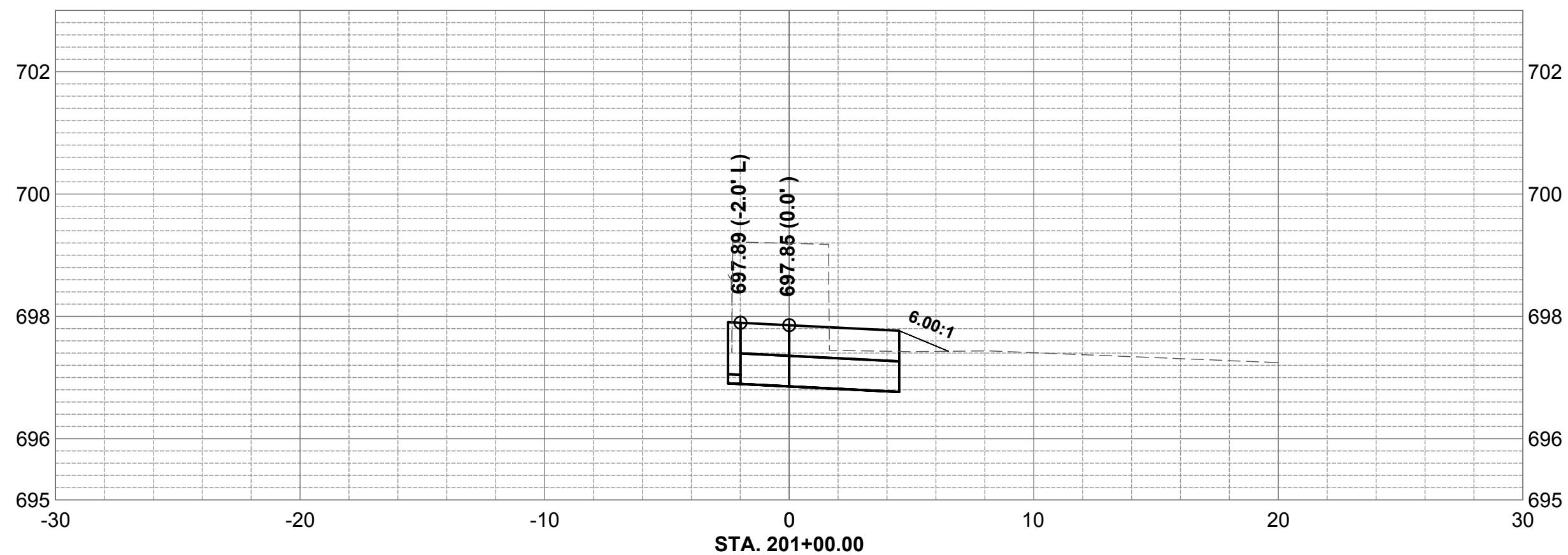
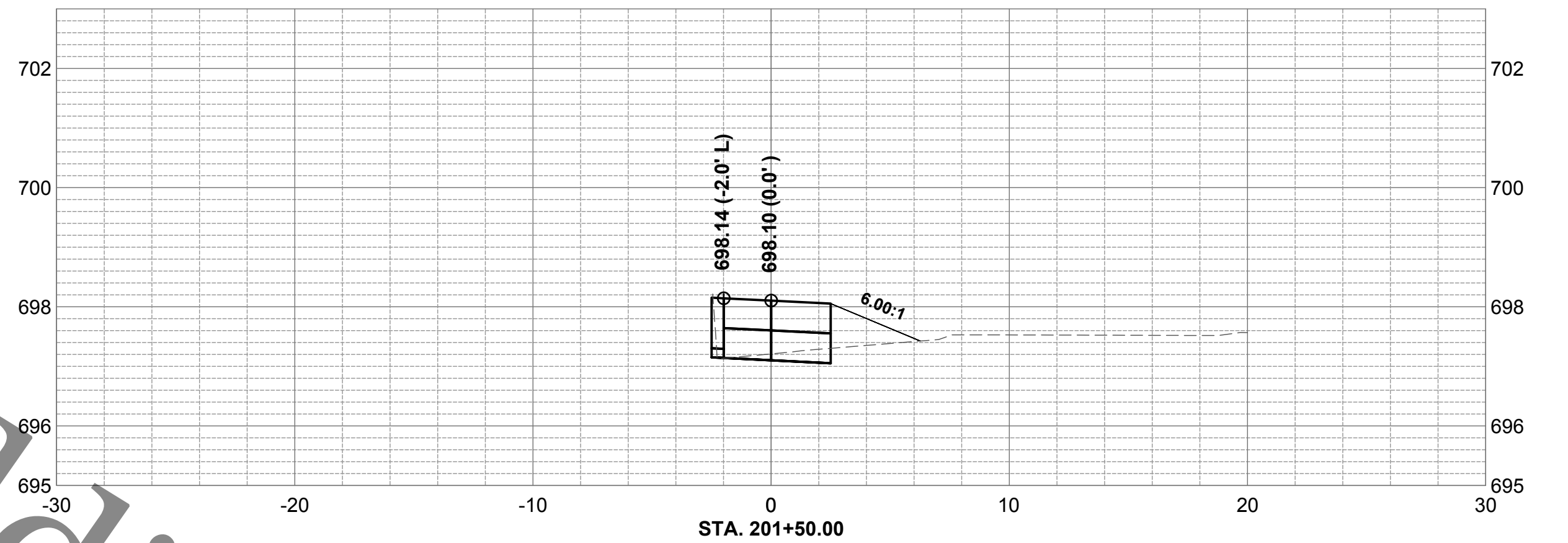
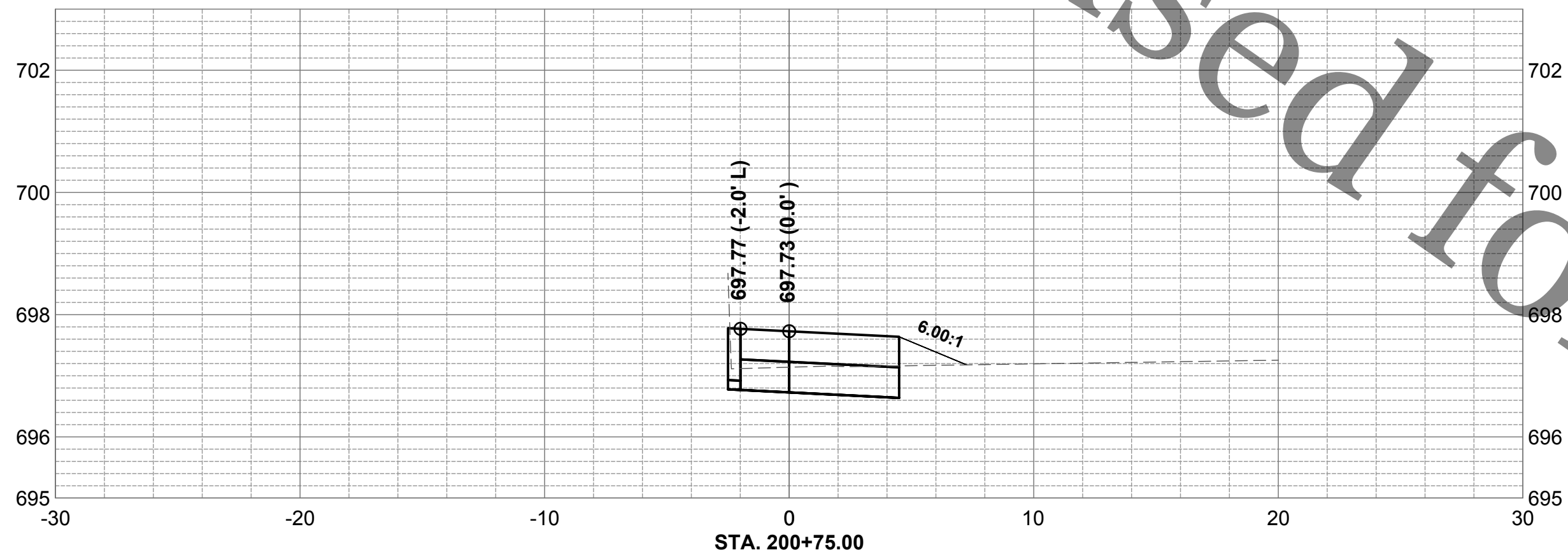
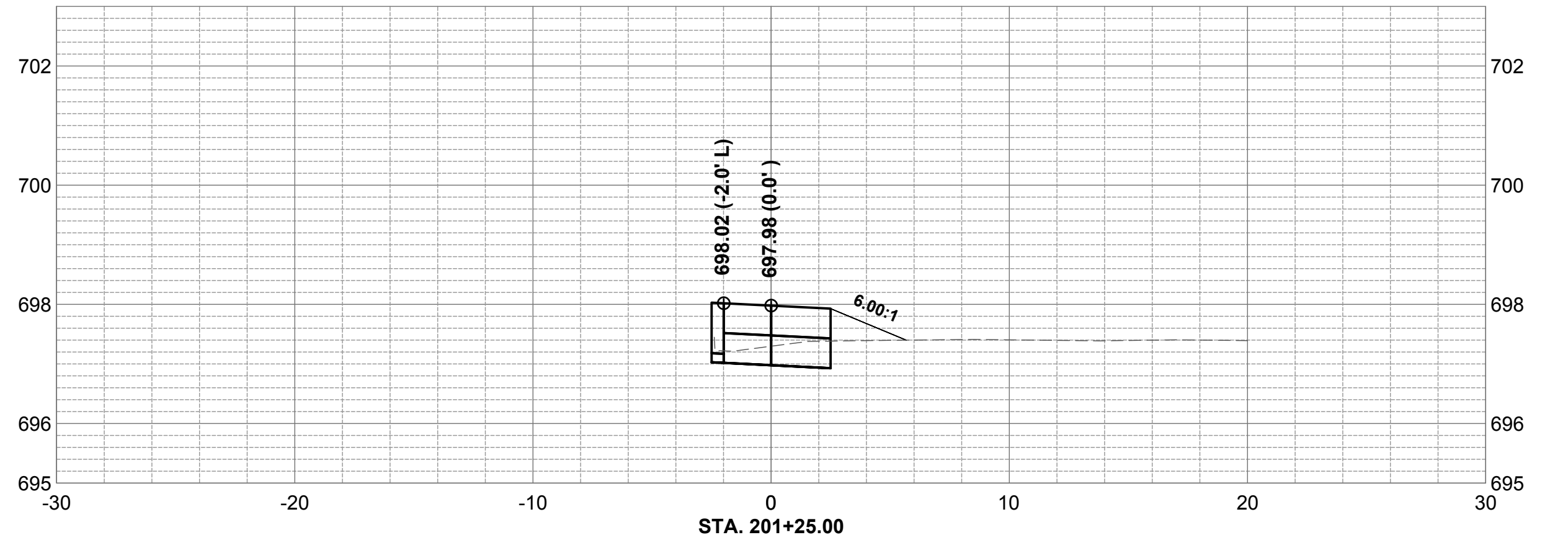
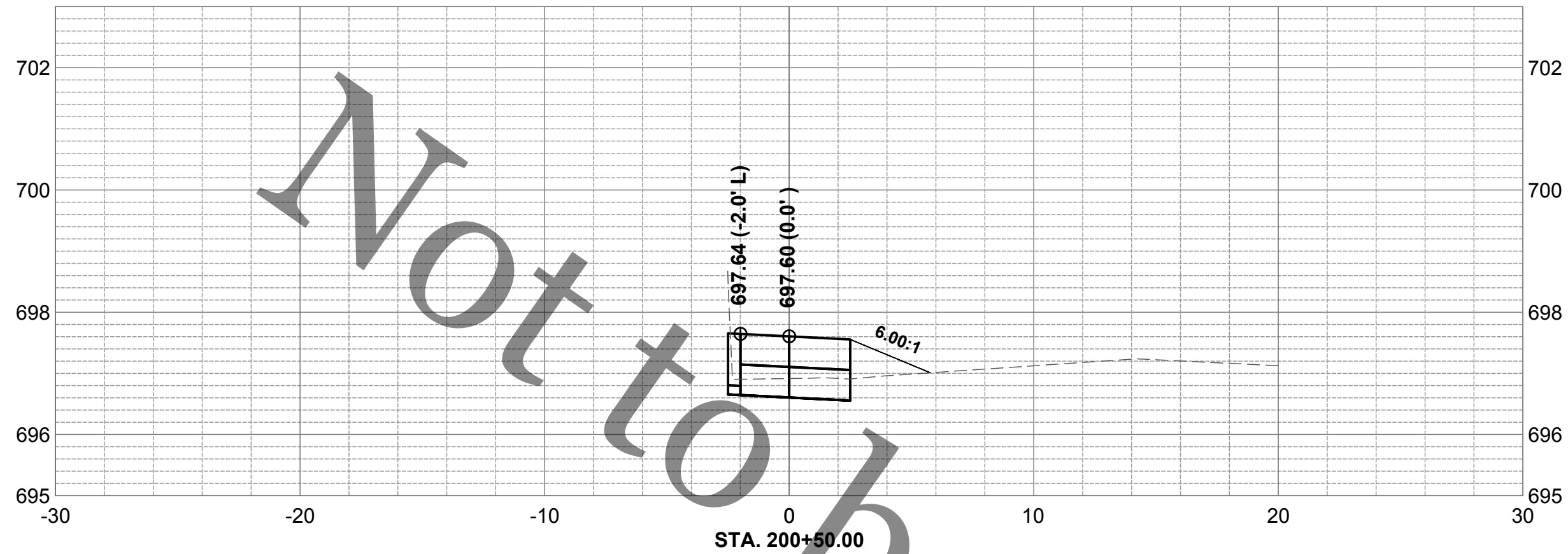
PROJECT SITE 1 PLAN VIEW

Sheet No. 4 OF 8
Date 3/7/2019

FINAL



file: I:\District Projects\Chlorine Contact Tank Repair 1850\Engineering\Drawings\Chlorine Contact Concrete & Drainage - Sections.dwg



ROCK RIVER WATER
RECLAMATION DISTRICT
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660

No.	DATE	REVISION	INT.

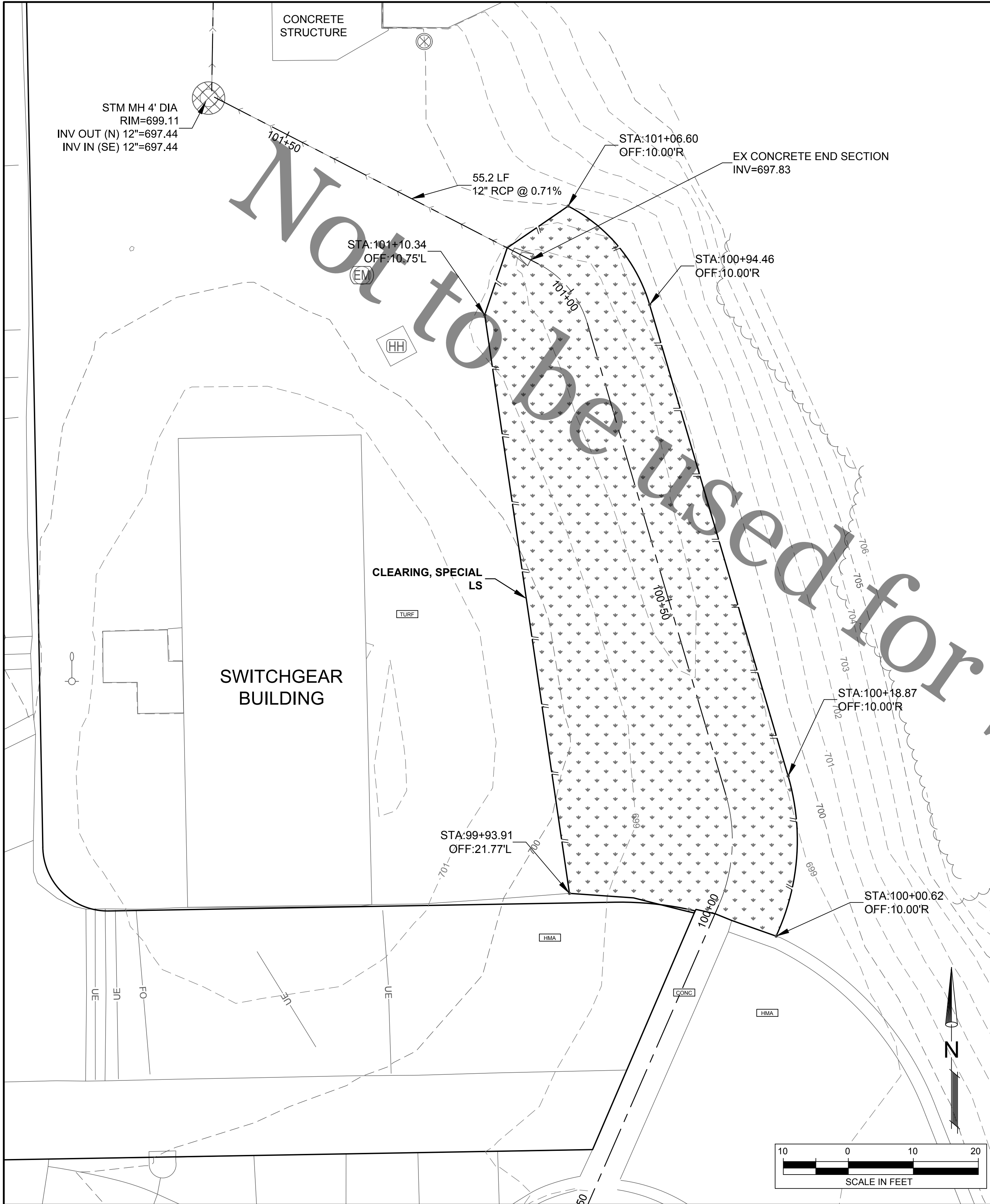
PLANT CONCRETE REPAIRS 2019 - CHLORINE CONTACT TANK
SIDEWALK & PLANT DRAINAGE IMPROVEMENTS
CAPITAL IMPROVEMENT PROJECT #1950

PROJECT SITE 1 CROSS SECTIONS

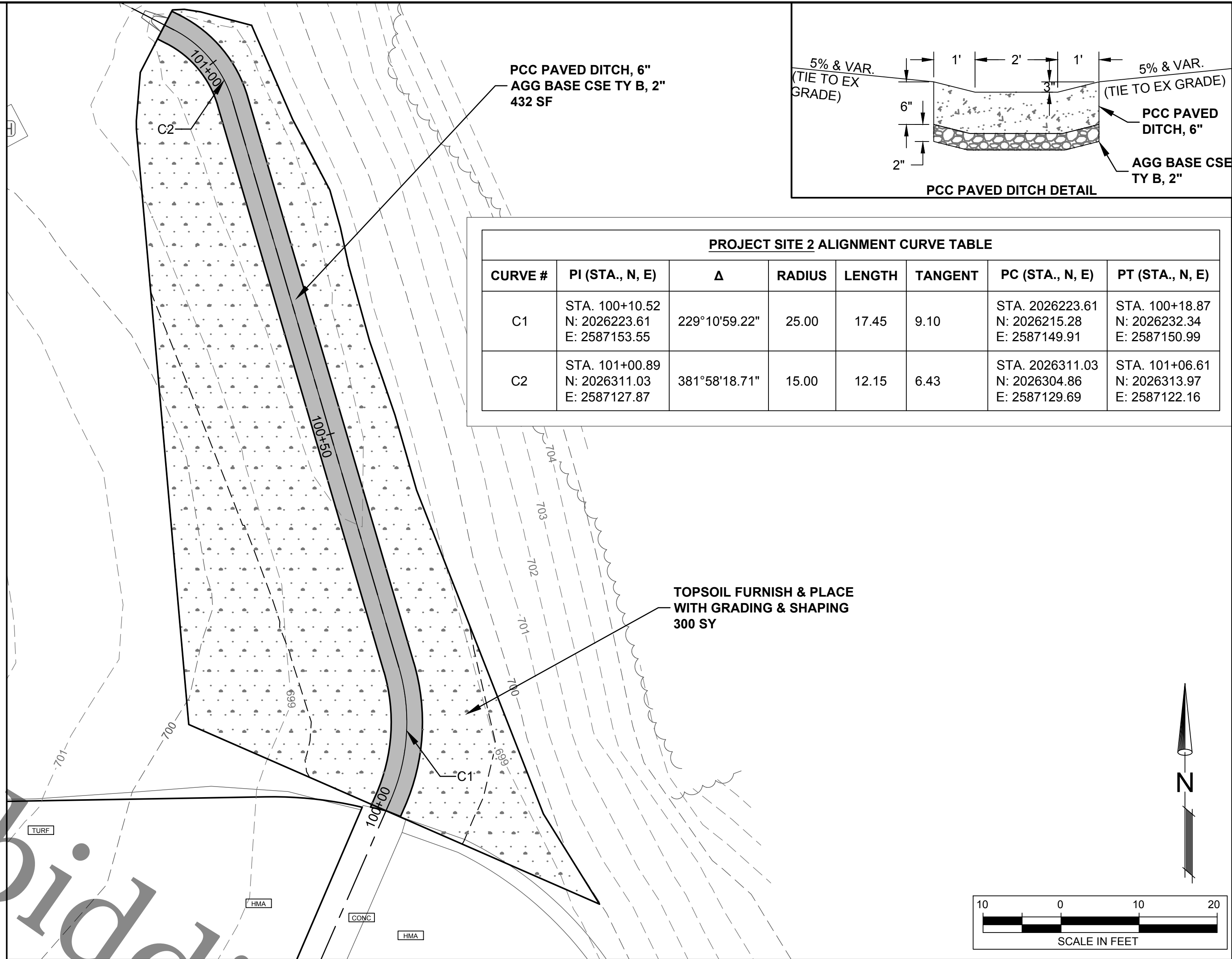
Sheet No.
5 OF 8
Date
3/7/2019

FINAL

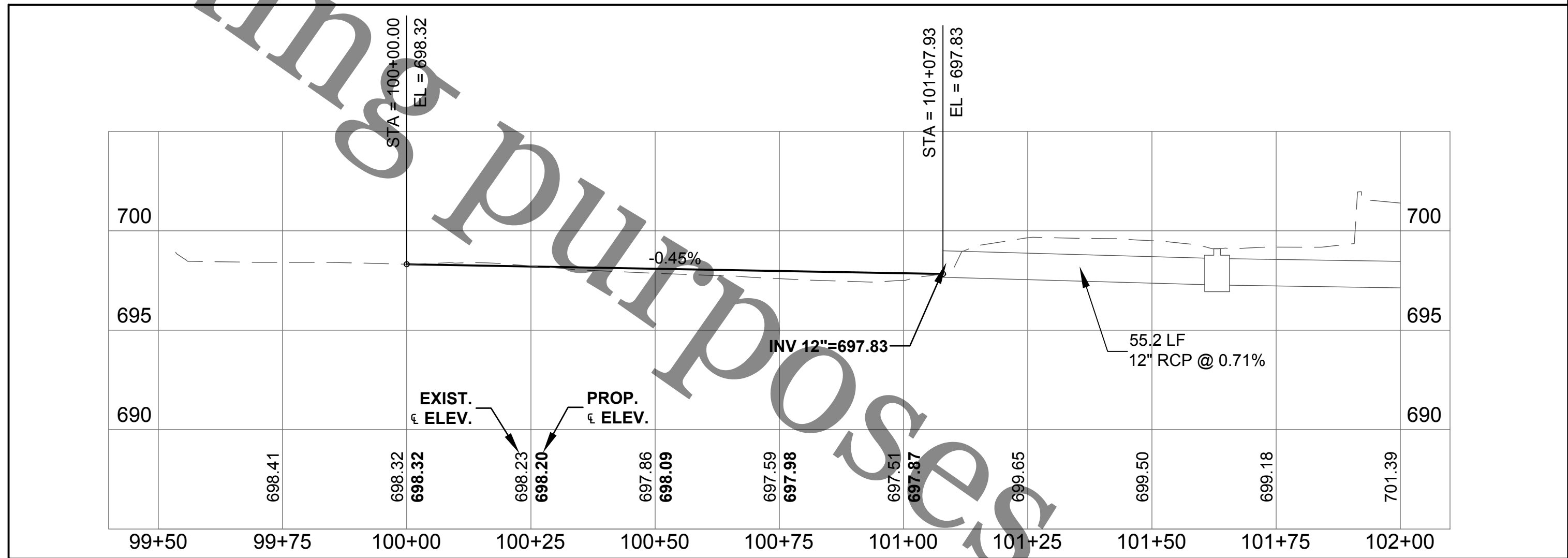
file: I:\District Projects\Plant Roadway 2019-2020 2006\Engineering\Drawings\Plant Roadway Replacement 2019 - Low Flow channel design.dwg



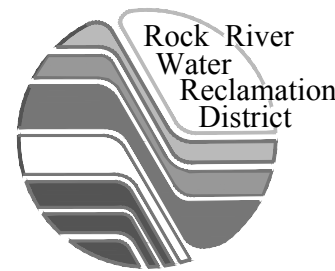
EXISTING CONDITIONS & REMOVAL PLAN



PROPOSED PLAN



PROPOSED PROFILE



**ROCK RIVER WATER
RECLAMATION DISTRICT**
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660

No.	DATE	REVISION	INT.

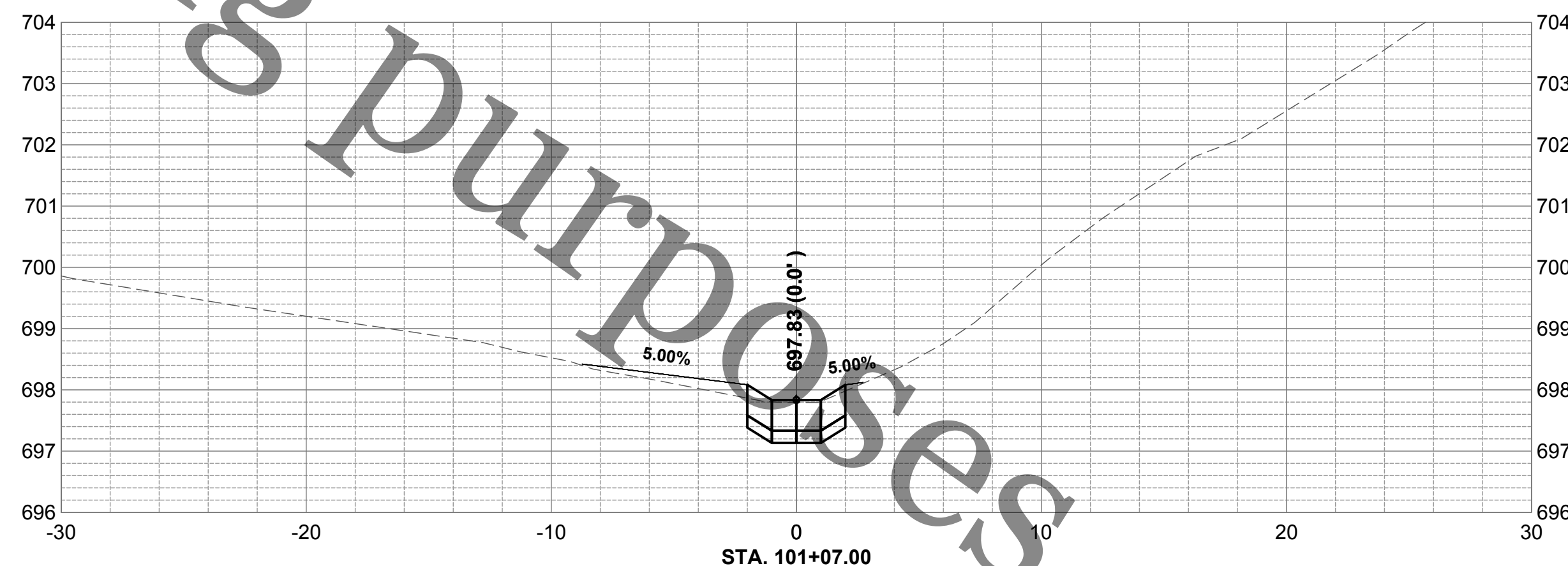
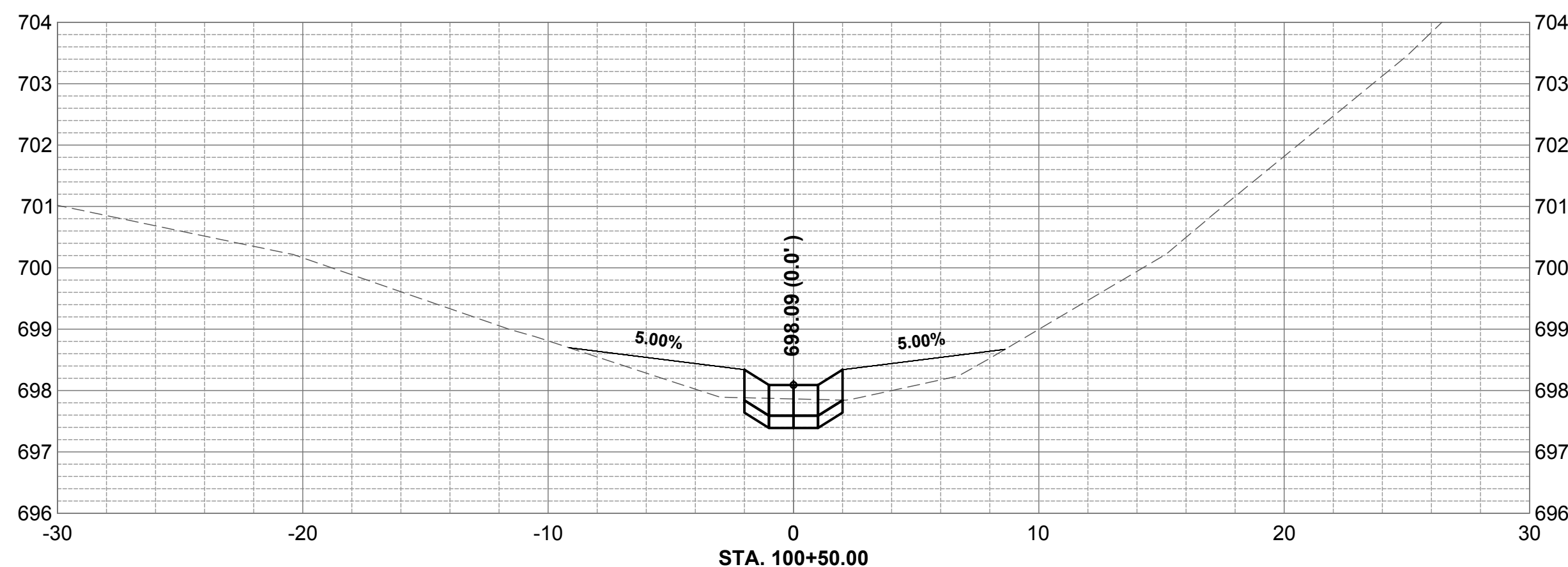
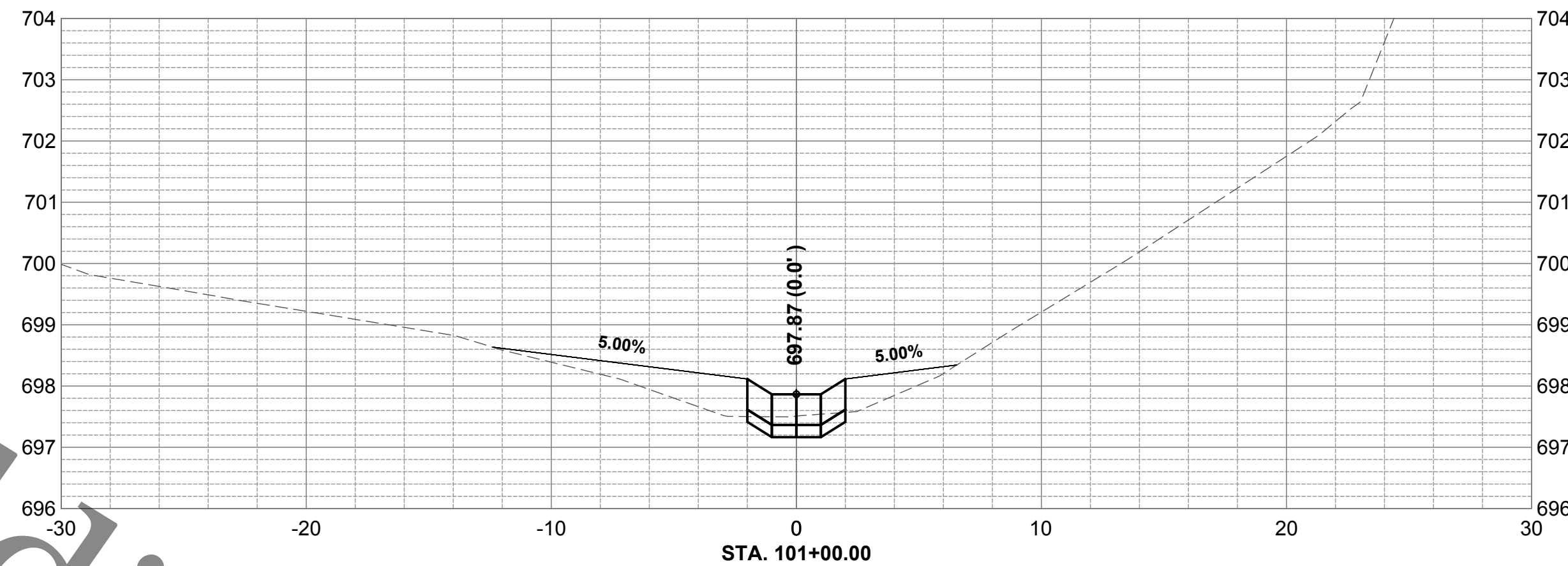
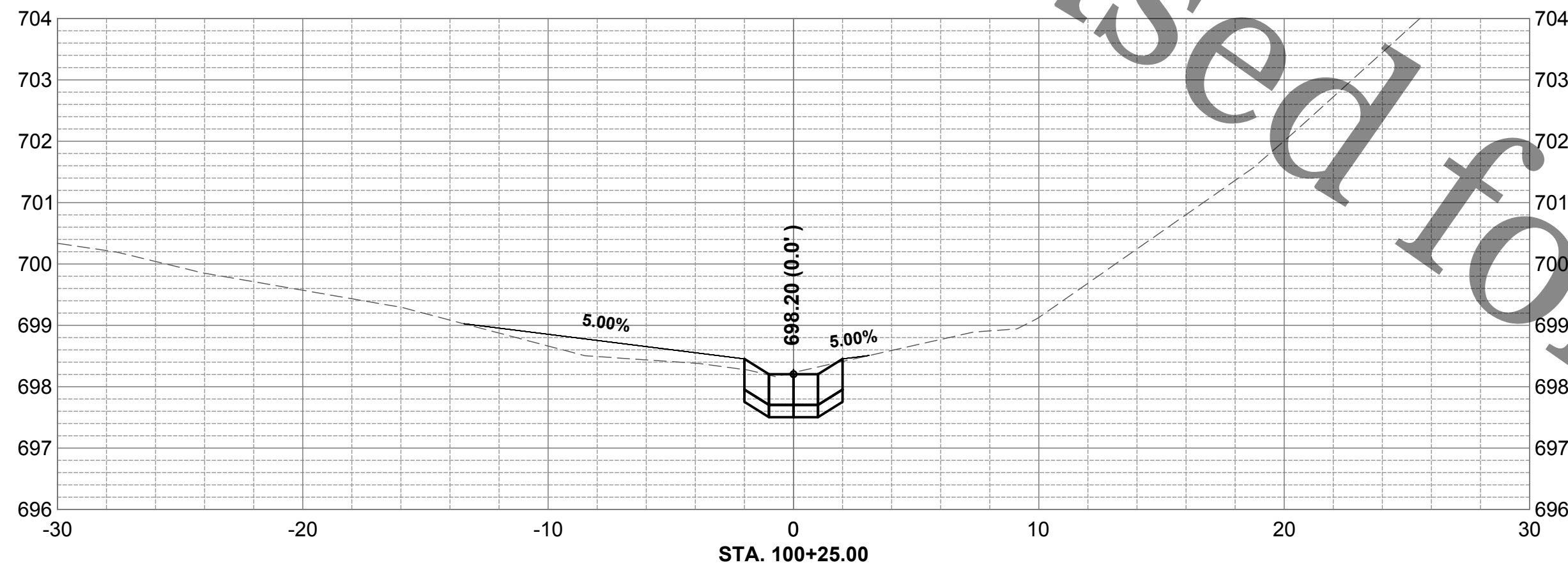
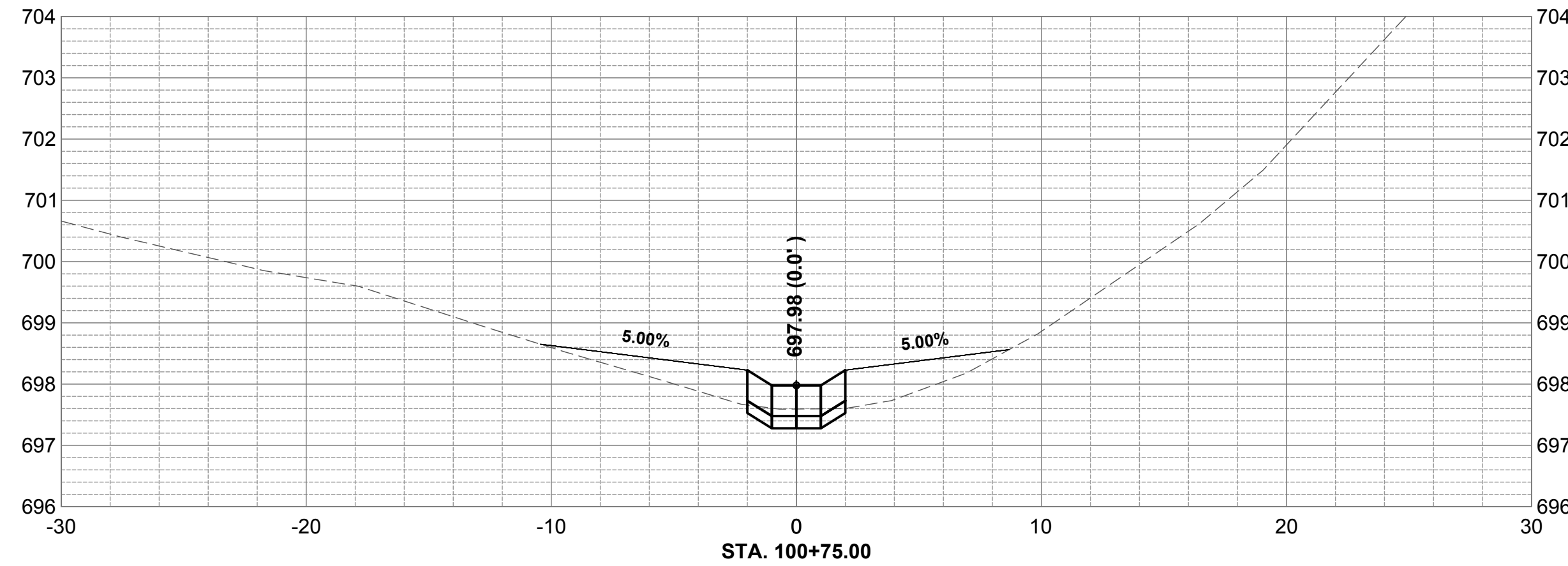
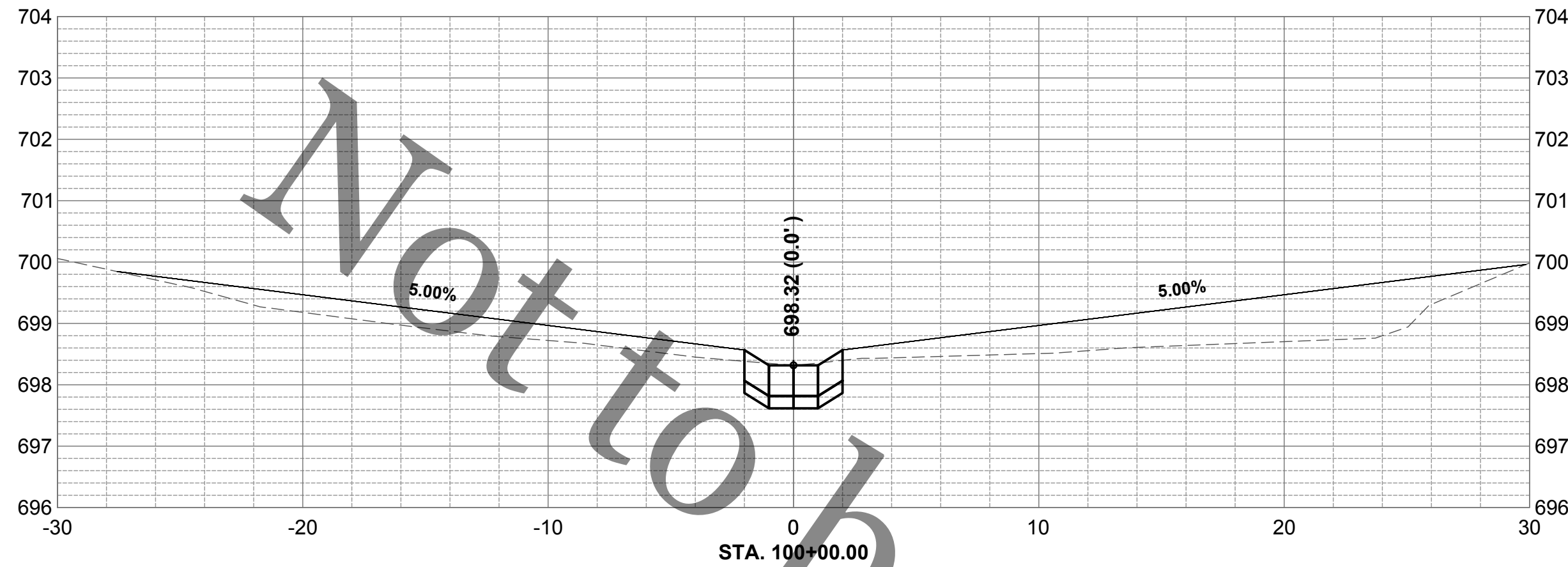
**PLANT CONCRETE REPAIRS 2019 - CHLORINE CONTACT TANK
SIDEWALK & PLANT DRAINAGE IMPROVEMENTS**
CAPITAL IMPROVEMENT PROJECT #1950

PROJECT SITE 2 PLAN VIEW

Sheet No.
6 OF 8
Date
3/7/2019

FINAL

file: I:\District Projects\Plant Roadway 2019-2020 2006\Engineering\Drawings\Plant Roadway Replacement 2019 - Low Flow Channel Sections.dwg



ROCK RIVER WATER
RECLAMATION DISTRICT
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660

No.	DATE	REVISION	INT.

PLANT CONCRETE REPAIRS 2019 - CHLORINE CONTACT TANK
SIDEWALK & PLANT DRAINAGE IMPROVEMENTS
CAPITAL IMPROVEMENT PROJECT #1950

PROJECT SITE 2 CROSS SECTIONS

FINAL

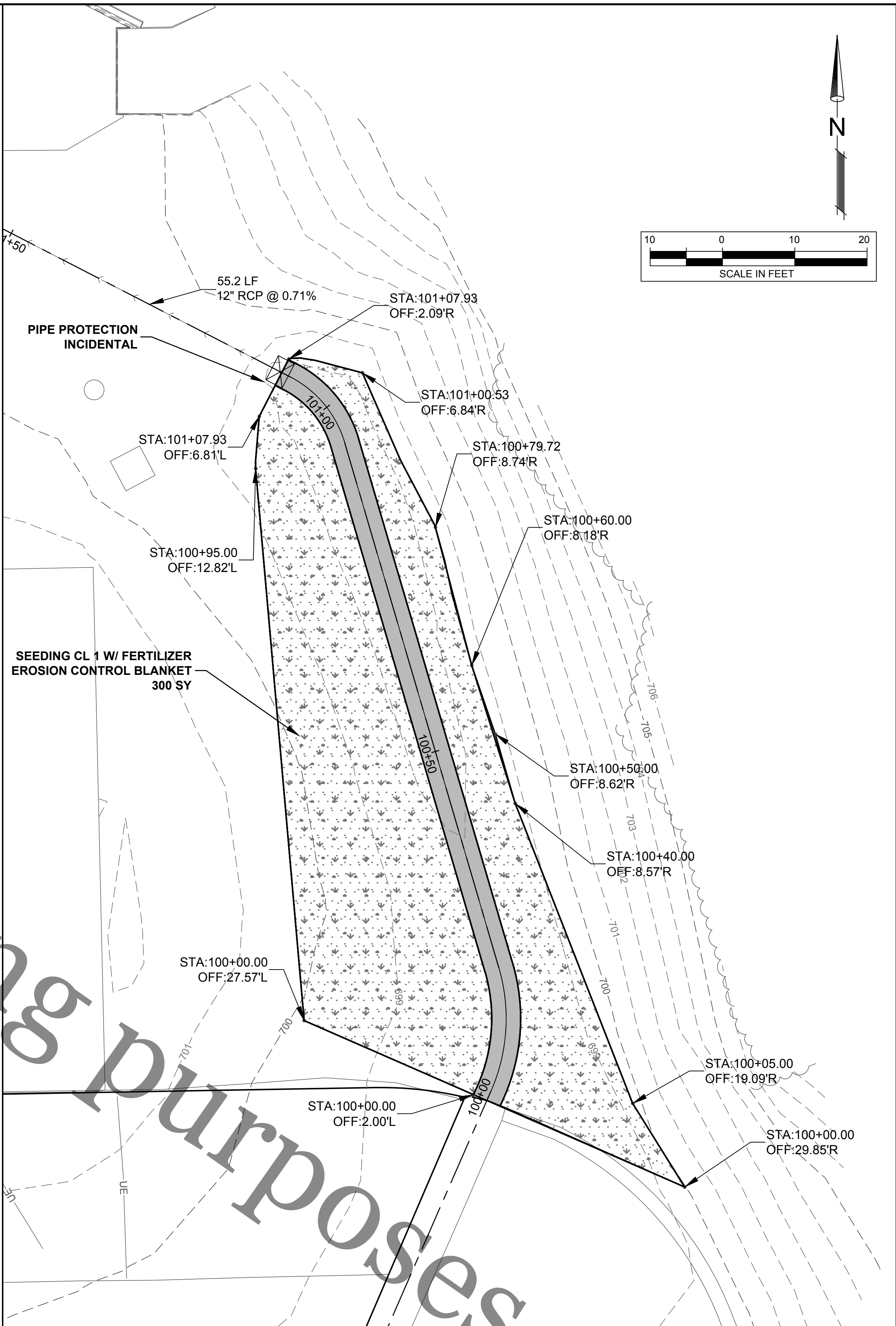
Sheet No.
7 OF 8

Date
3/7/2019

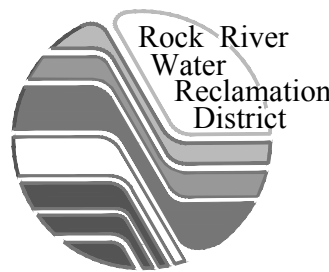
file: I:\District Projects\Plant Roadway 2019-2020\Engineering\Drawings\Plant Roadway Replacement 2019 - Seeding & Restoration.dwg



PROJECT SITE 1



PROJECT SITE 2



**ROCK RIVER WATER
RECLAMATION DISTRICT**
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660

No.	DATE	REVISION	INT.

**PLANT CONCRETE REPAIRS 2019 - CHLORINE CONTACT TANK
SIDEWALK & PLANT DRAINAGE IMPROVEMENTS**
CAPITAL IMPROVEMENT PROJECT #1950

EROSION CONTROL, SEEDING & RESTORATION PLAN

FINAL

Sheet No.
8 OF 8
Date
3/7/2019