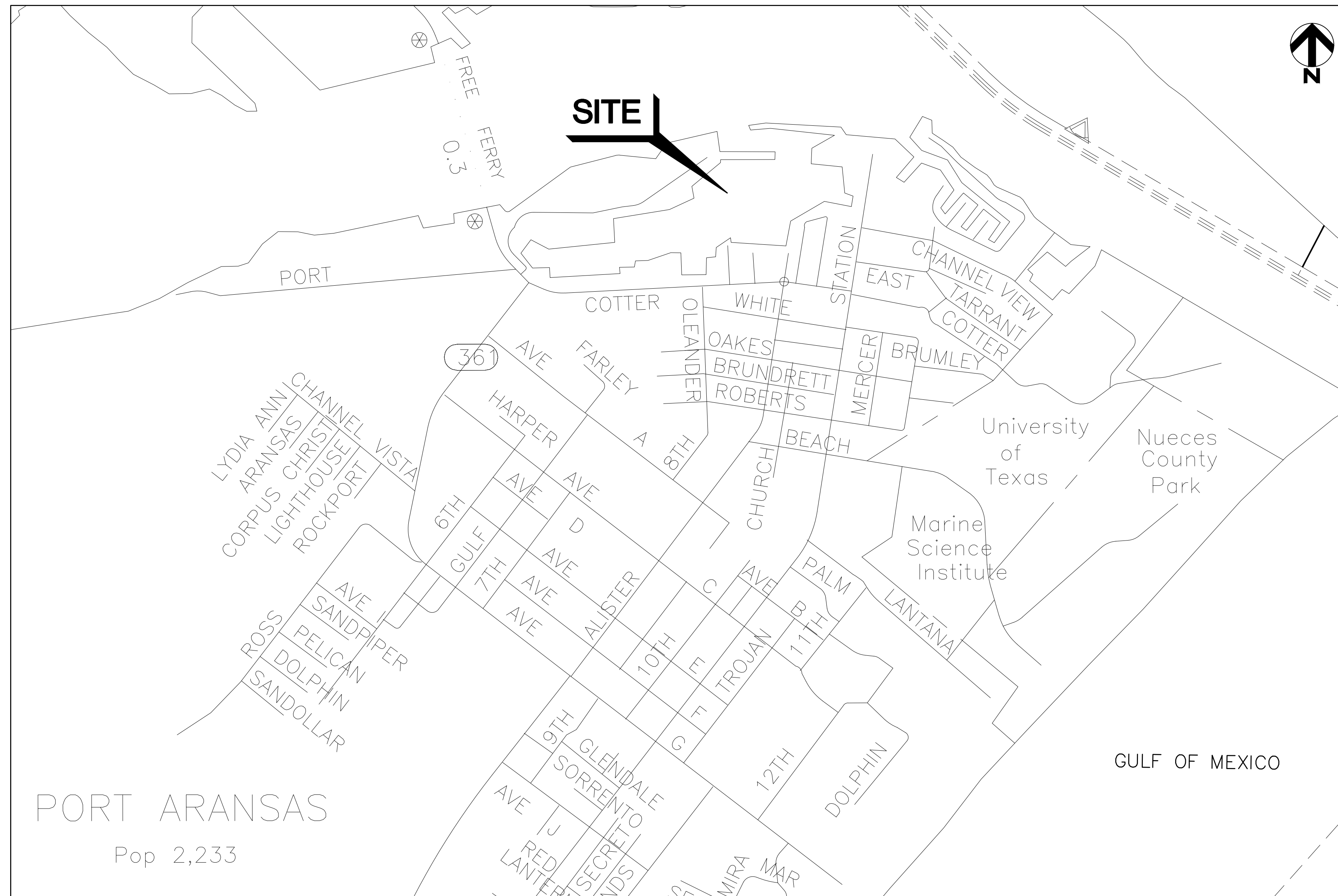


CONSTRUCTION PLANS FOR MARINA MAINTENANCE DREDGING 2022

PORT ARANSAS, TEXAS



LOCATION MAP
N.T.S.

SHEET INDEX	
1	COVER SHEET
2	OVERALL DREDGING LAYOUT AND DREDGING NOTES
3	ENLARGED DREDGING LAYOUT (1)
4	ENLARGED DREDGING LAYOUT (2)
5	ENLARGED DREDGING LAYOUT (3)
6	DREDGING CROSS SECTIONS (1)
7	DREDGING CROSS SECTIONS (2)

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LONE STAR 811 PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP AND CALL

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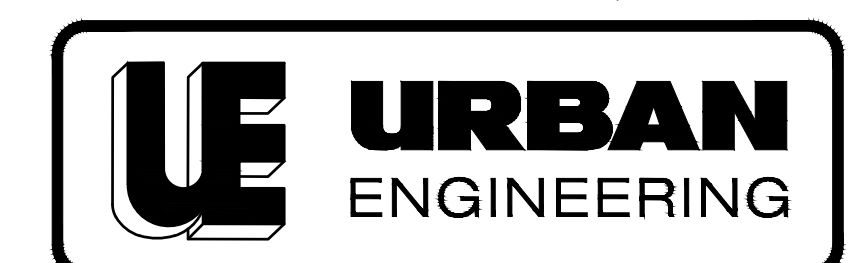
ENGINEER:
URBAN ENGINEERING
2725 SWANTNER STREET
CORPUS CHRISTI, TEXAS 78404
(361)854-3101



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WAS AUTHORIZED BY JAMES L. URBAN, P.E.
TX. REG. 62162 (10/10/2022)

ENGINEER: _____

JAMES L. URBAN, P.E.



TBPE FIRM NO. 145, TBPLS FIRM NO. 10032400
2725 SWANTNER DR., CORPUS CHRISTI, TX 78404
PHONE: 361.854.3101 WWW.URBANENG.COM

JOB NO. 06100.C2.05

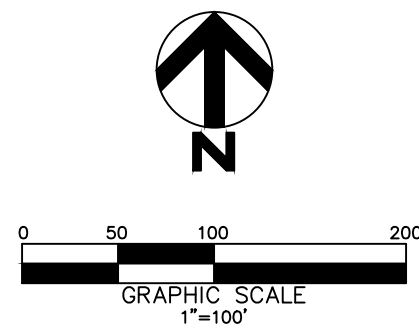
DATE: OCTOBER 2022

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SHEET
1
OF **7**

Cut Summary

Name	Cut
Sta. 0+00-15+91	7,700 Cu. Yd.
Area 1-4	586 Cu. Yd.
Total Quantity	8,286 Cu. Yd.

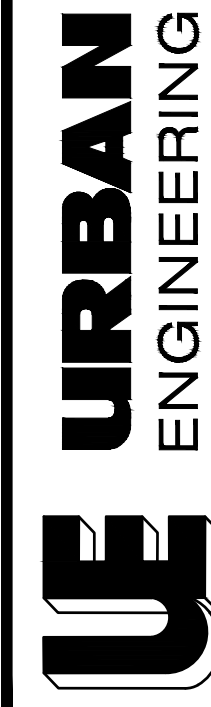


DREDGING NOTES:

- SEE DREDGE BASIN ENLARGEMENTS ON SHEETS 3 AND 4.
- MARINE ELEVATION INFORMATION SHOWN IS BASED ON BATHYMETRIC SURVEY PERFORMED BY T. BAKER SMITH IN JULY 2022. SOUNDINGS ARE BASED ON NAVD '88.
- THE GOAL FOR THIS PROJECT IS TO DREDGE THE AREAS WITHIN THE BOUNDARIES SHOWN TO ELEVATION -9.5' NAVD '88.
- USING NAVD '88 A DEPTH OF -9.5' IS EQUIVALENT TO THAT OF MLT WITH A DEPTH OF -9.0'.
- DIMENSIONS SHOWN ON SHEETS 3 AND 4 ARE PROVIDED FOR GENERAL REFERENCE AND ARE APPROXIMATE. SEE ALIGNMENT DIMENSIONS ON SHEETS 3 AND 4.
- DREDGING SHALL BE PERFORMED WITH MECHANICAL DREDGE EQUIPMENT. HYDRAULIC DREDGE IS NOT ALLOWED IN THE MARINA BASIN.
- EXCEPT AS SPECIFICALLY INDICATED, NO DREDGING SHALL TAKE PLACE WITHIN 10' OF AN EXIST. BULKHEAD OR OTHER EXISTING FEATURE TO REMAIN. USE CAUTION WHEN DREDGING AROUND EXISTING FEATURES TO REMAIN SUCH AS DOCKs AND BULKHEAD/DECKING TO AVOID DAMAGE TO EXISTING FEATURES. ANY DAMAGE TO EXISTING FEATURES TO REMAIN SHALL BE RESTORED BY THE CONTRACTOR TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
- THE CONTRACTOR MAY CONDUCT A PRE-DREDGE SURVEY AT HIS EXPENSE TO VERIFY PLAN SURVEY AND PROVIDE COPY OF THE SURVEY WITH VOLUME CALCULATIONS TO THE CITY AT LEAST 14 DAYS PRIOR TO BEGINNING THE DREDGE OPERATIONS OR ACCEPT THE PLAN SURVEY FOR PURPOSES OF VOLUME AND PAYMENT.
- THE CONTRACTOR SHALL CONDUCT A POST-DREDGE SURVEY AT HIS EXPENSE AND PROVIDE A COPY OF THE SURVEY WITH VOLUME CALCULATIONS TO THE ENGINEER WITH THE FINAL DREDGING INVOICE.
- THE CONTRACTOR IS ADVISED THAT ACTIVITY WILL BE ONGOING IN THE MARINA DURING THE COURSE OF THIS PROJECT AND SHALL MINIMIZE DISRUPTION TO MARINA LAND AND WATER TRAFFIC AND ACTIVITIES DURING THE DREDGING OPERATIONS. THE MAIN BASIN THOROUGHFARE HAS TO REMAIN NAVIGABLE, UNLESS THE DREDGER SECURES CITY PERMISSION AHEAD OF TIME. NOTIFY THE ENGINEER AND THE MARINA SUPERINTENDENT AT LEAST 14 DAYS IN ADVANCE FOR WRITTEN AUTHORIZATION TO PERFORM ANY WORK THAT WILL DISRUPT OR IMPACT THE MARINA TRAFFIC.
- SUBMIT A DREDGE EXECUTION PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL AT LEAST 14 DAYS PRIOR TO BEGINNING DREDGE OPERATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF THE DREDGE MATERIAL. MATERIAL SHALL BE INITIALLY PLACED ON A BARGE AND THEN LOADED FROM THE BARGE INTO TRUCKS FOR DISPOSAL PLACEMENT AT AN UPLAND LOCATION THAT HAS NO "WATERS OF THE UNITED STATES" IN ACCORDANCE WITH THE NWP 35 CONDITIONS. THE CONTRACTOR SHALL SUBMIT A 401 WATER QUALITY CERTIFICATION REQUEST TO THE TCEQ IF POTENTIAL EXISTS FOR RETURN WATER FROM A CONTAINED DISPOSAL SITE TO REACH A "WATER OF THE UNITED STATES". ALL COSTS RELATED TO DISPOSAL INCLUDING ANY PERMITS AND FEES SHALL BE INCLUDED IN THE UNIT BID PRICE FOR MATERIAL DISPOSAL.
- SUBMIT A DREDGE MATERIAL TRANSPORTATION PLAN AND DISPOSAL PLACEMENT PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL AT LEAST 14 DAYS PRIOR TO BEGINNING DREDGE OPERATIONS. PROVIDE THE ENGINEER WITH THE LOCATION AND OWNERS CONTACT INFORMATION OF THE DISPOSAL SITE.VOLUME CALCULATIONS TO THE ENGINEER WITH THE FINAL DREDGING INVOICE.
- BASIN BOUNDARIES SHOWN FOR THE BASE BID ARE TO THE OUTER LIMITS OF THE BASIN, INCLUDING THE TRANSITION SIDESLOPES THAT ARE WITHIN THE INTERIOR EDGE OF THE BASIN BOUNDARY.
- IF MATERIAL IS FOUND DURING DREDGING OPERATIONS THAT IS HAZARDOUS REQUIRING DISPOSAL AT A REGULATED HAZARDOUS WASTE FACILITY THE CONTRACTOR WOULD BE DUE COMPENSATION TO DISPOSE OF THE MATERIAL AT SAID FACILITY.

OVERALL DREDGING LAYOUT
AND DREDGING NOTES

MARINA MAINTENANCE DREDGING 2022
PORT ARANSASI, TEXAS



SHEET

2

OF 7

JOB NO.

06100.C2.05

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PARTICIPANTS REQUEST
48 HOURS NOTICE BEFORE YOU DIG,
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LEGEND

ALIGNMENT — — — —

BOUNDARY — • — —



DRAWN: D.L.

DESIGNED: J.L.U.

CHECKED: J.L.U.

DATE: OCT. 2022

REV. BY

DATE

DESCRIPTION


APPROVED BY

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LEGEND

ALIGNMENT — — — —
BOUNDARY — . — —

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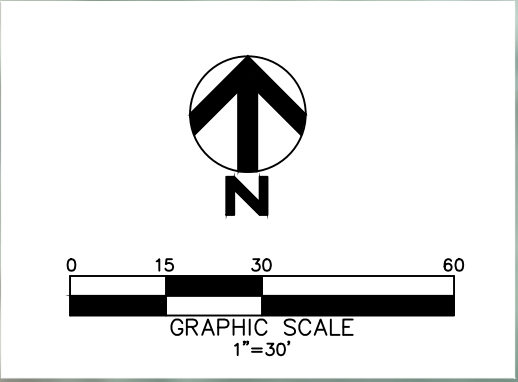



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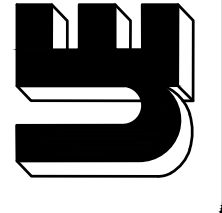
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	DESIGNED: J.L.U.				
	CHECKED: J.L.U.				
	DATE: OCT. 2022				

 <p>URBAN ENGINEERING</p> <p><small>TYPE FIRM NO. 145, TYPE'S FIRM NO. 0032400 1700 W. MAIN ST. SUITE 100 PORT ARANSAS, TX 78373 PHONE: 361-525-0100 WWW.URBAN-ENG.COM</small></p>	SHEET 3 OF 7
	JOB NO. 06100.C2.05

ENLARGED DREDGING LAYOUT (1)	MARINA MAINTENANCE DREDGING 2022 PORT ARANSASI, TEXAS
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ENLARGED DREDGING LAYOUT (2)

MARINA MAINTENANCE DREDGING 2022
PORT ARANSASI, TEXAS

**URBAN
ENGINEERING**

TYPE FIRM NO. 145, TYPE FIRM NO. 0032400
2200 W. 10TH STREET, SUITE 100, PORT ARANSAS, TX 78373
PHONE: 361-525-1110 WWW.URBANENG.COM

SHEET
4
OF **7**

JOB NO.
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BOUNDARY — • —

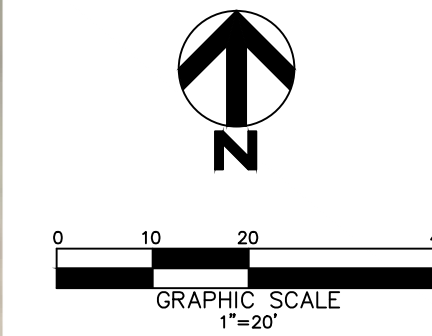
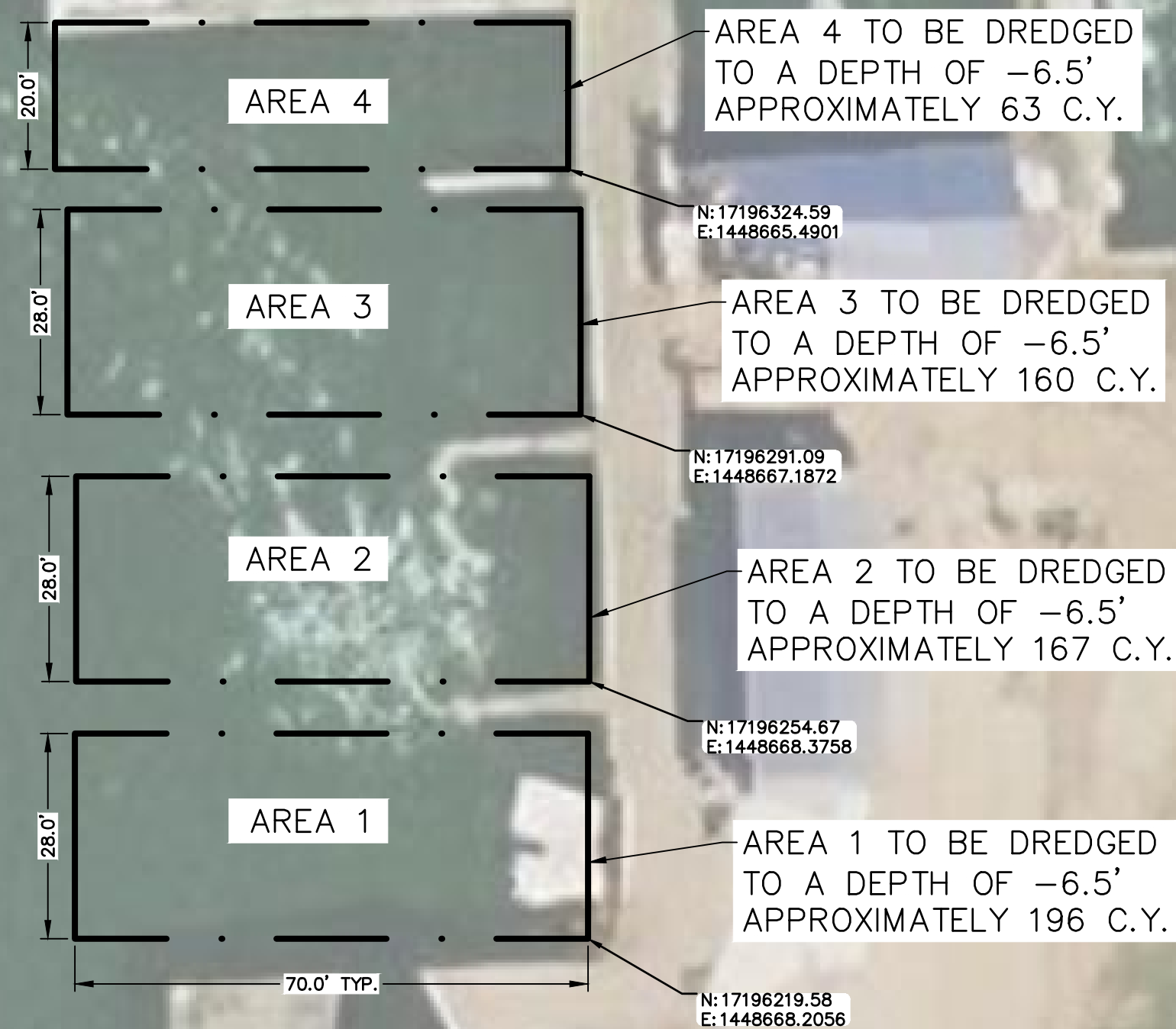


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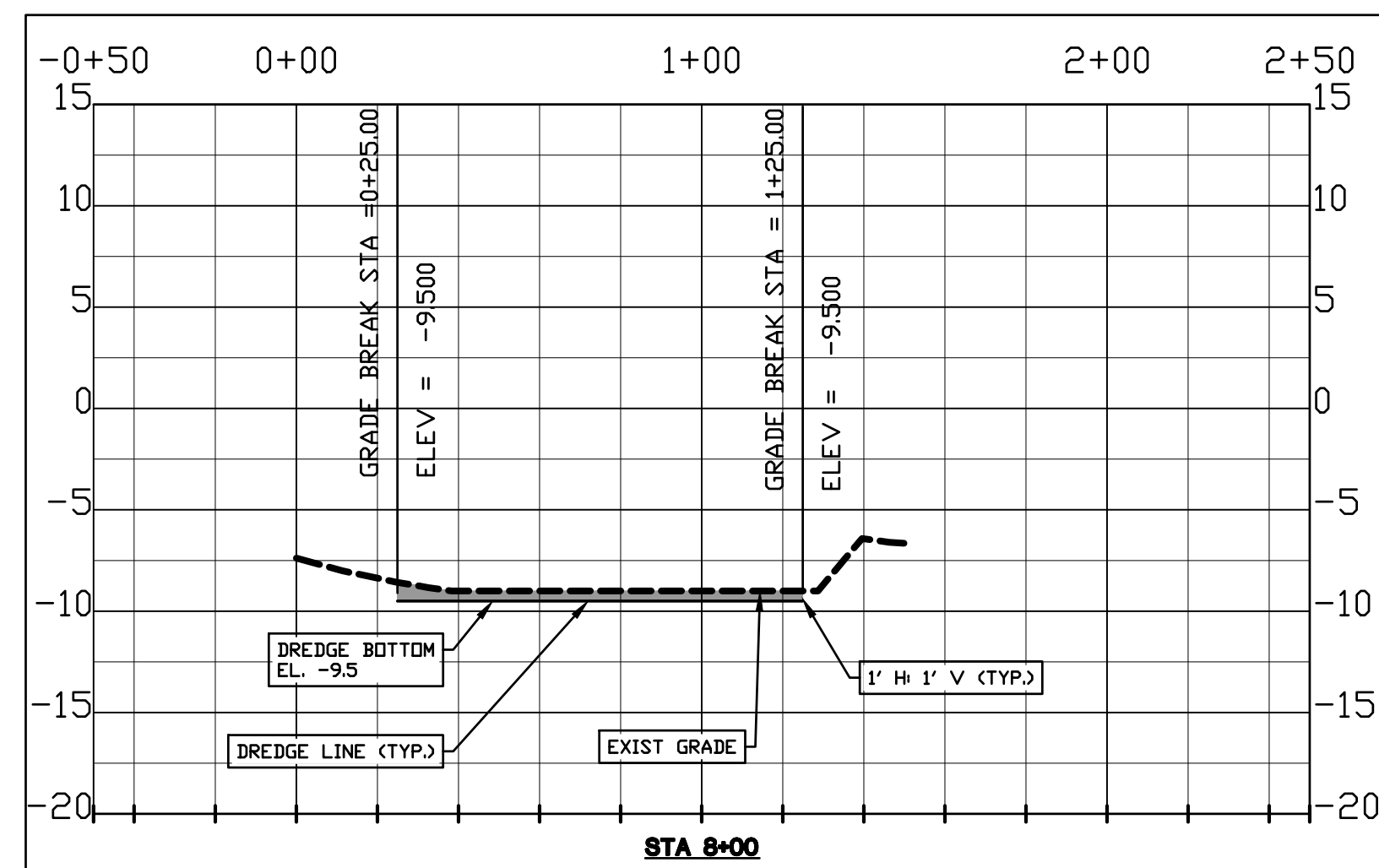
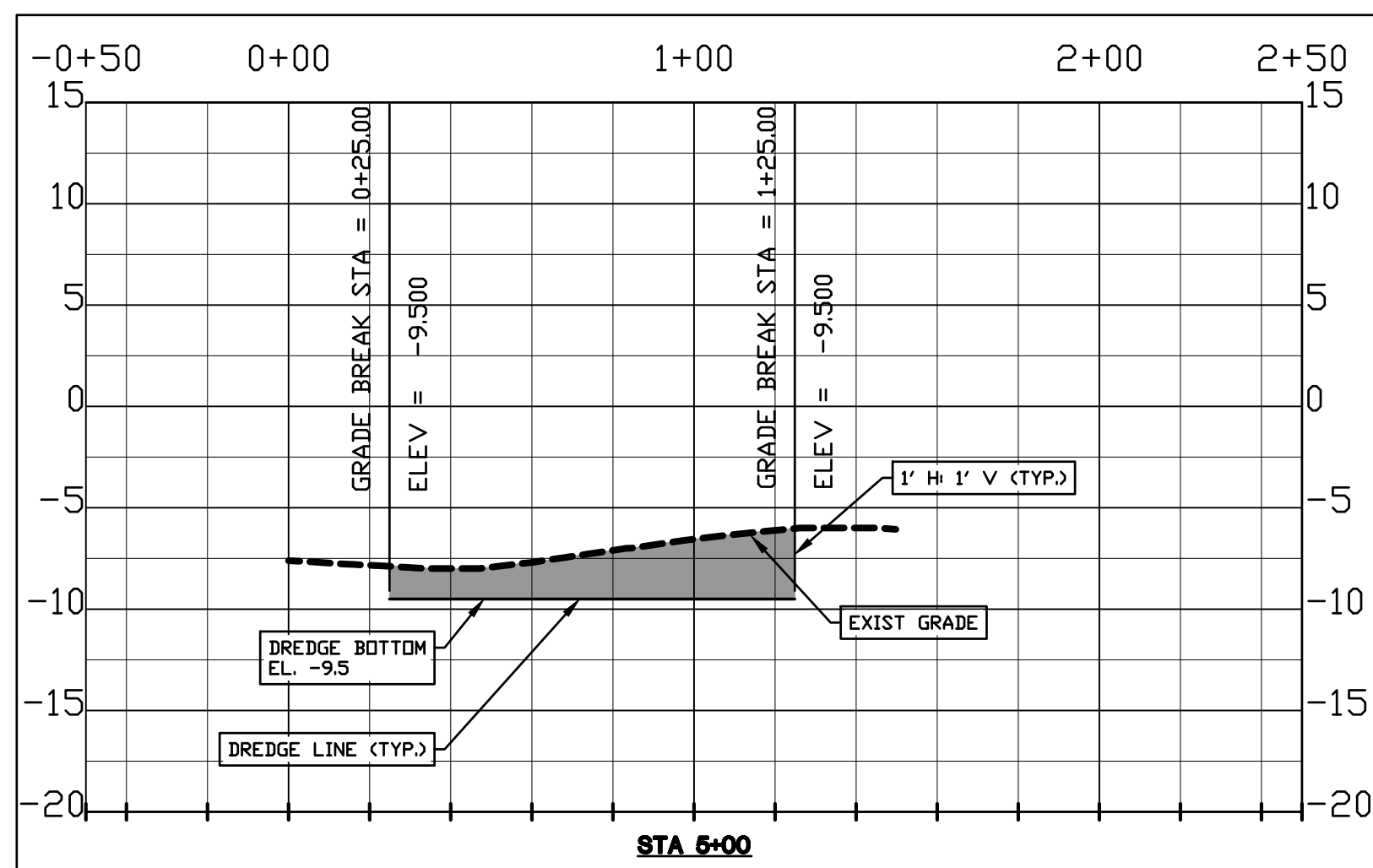
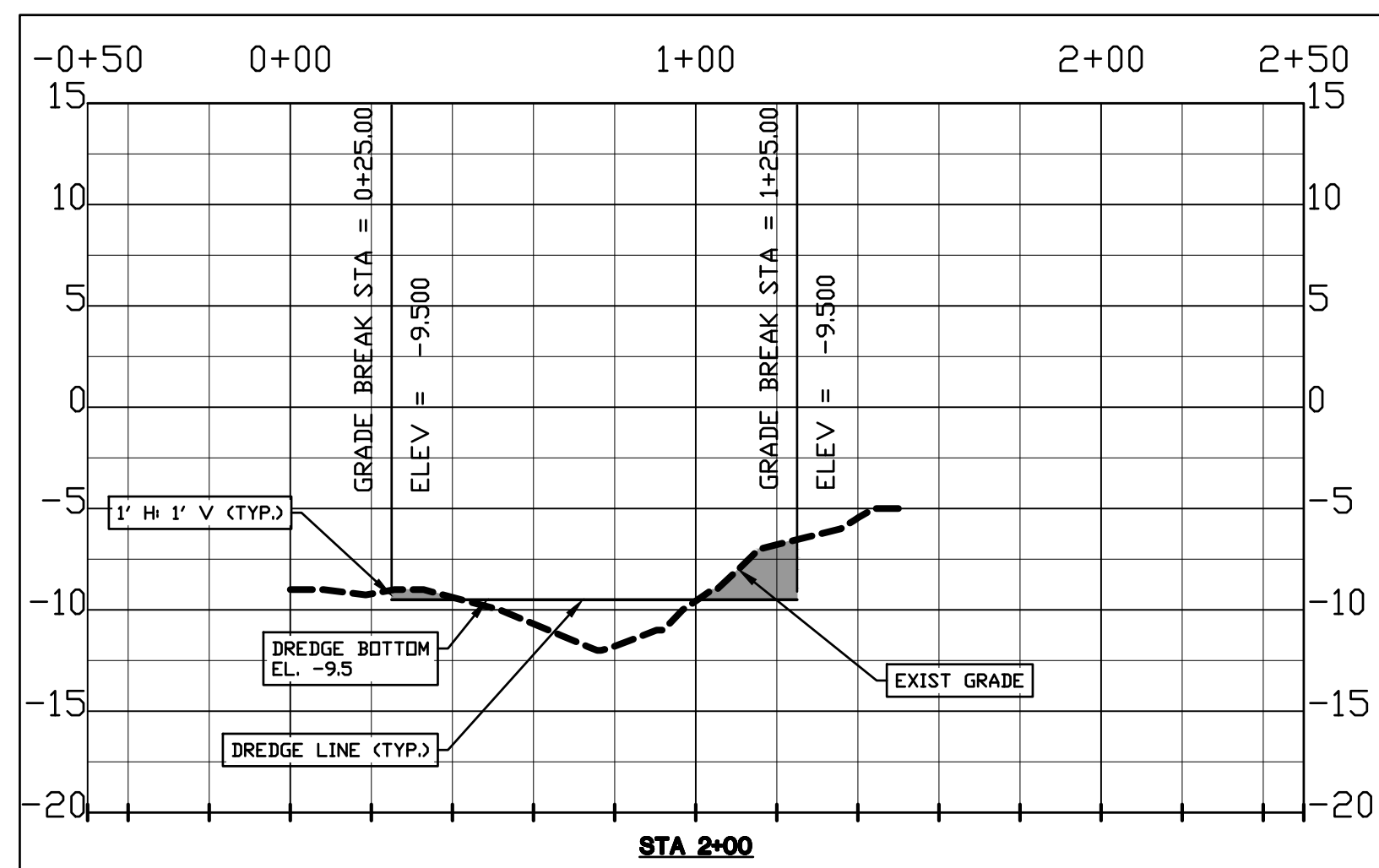
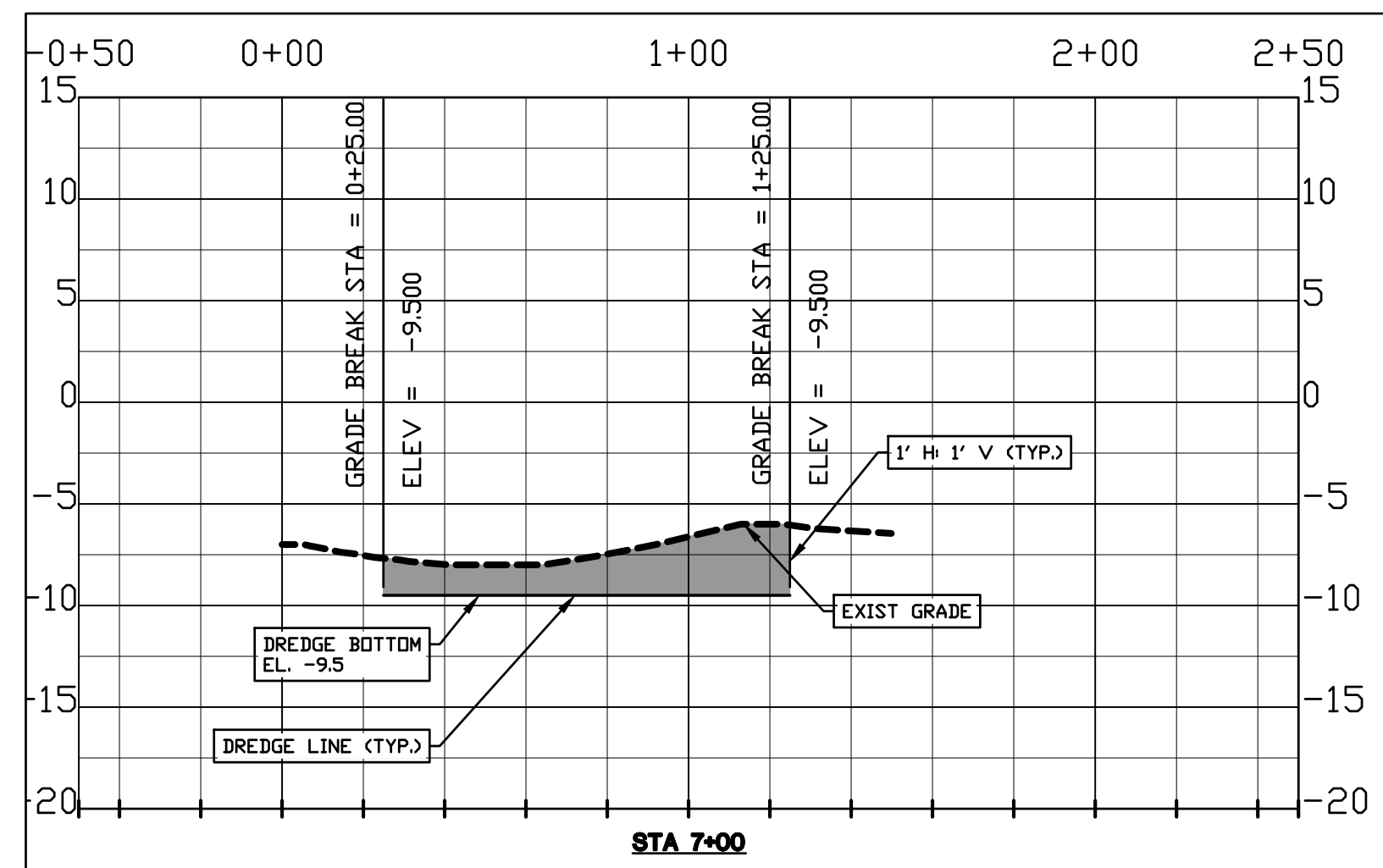
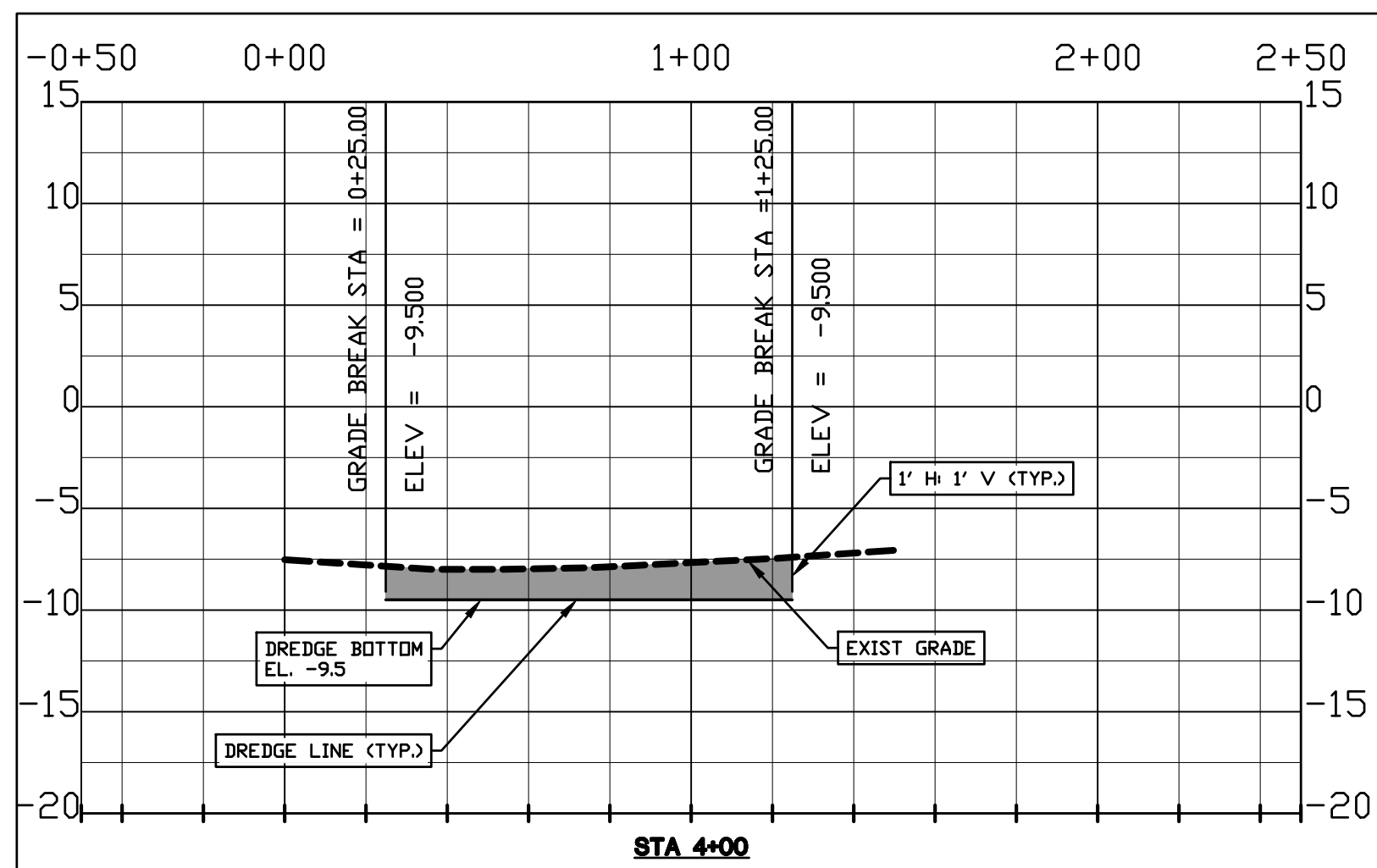
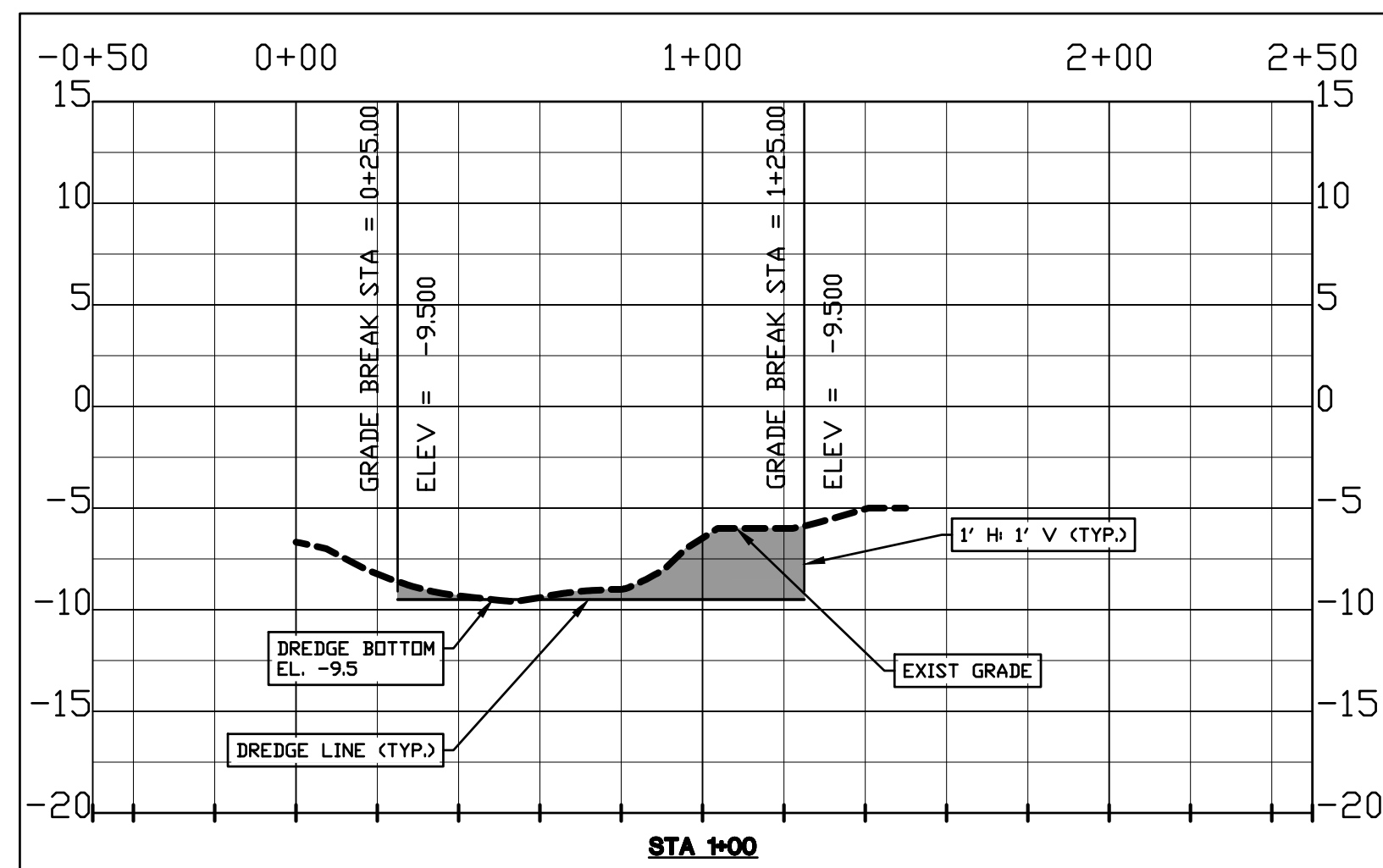
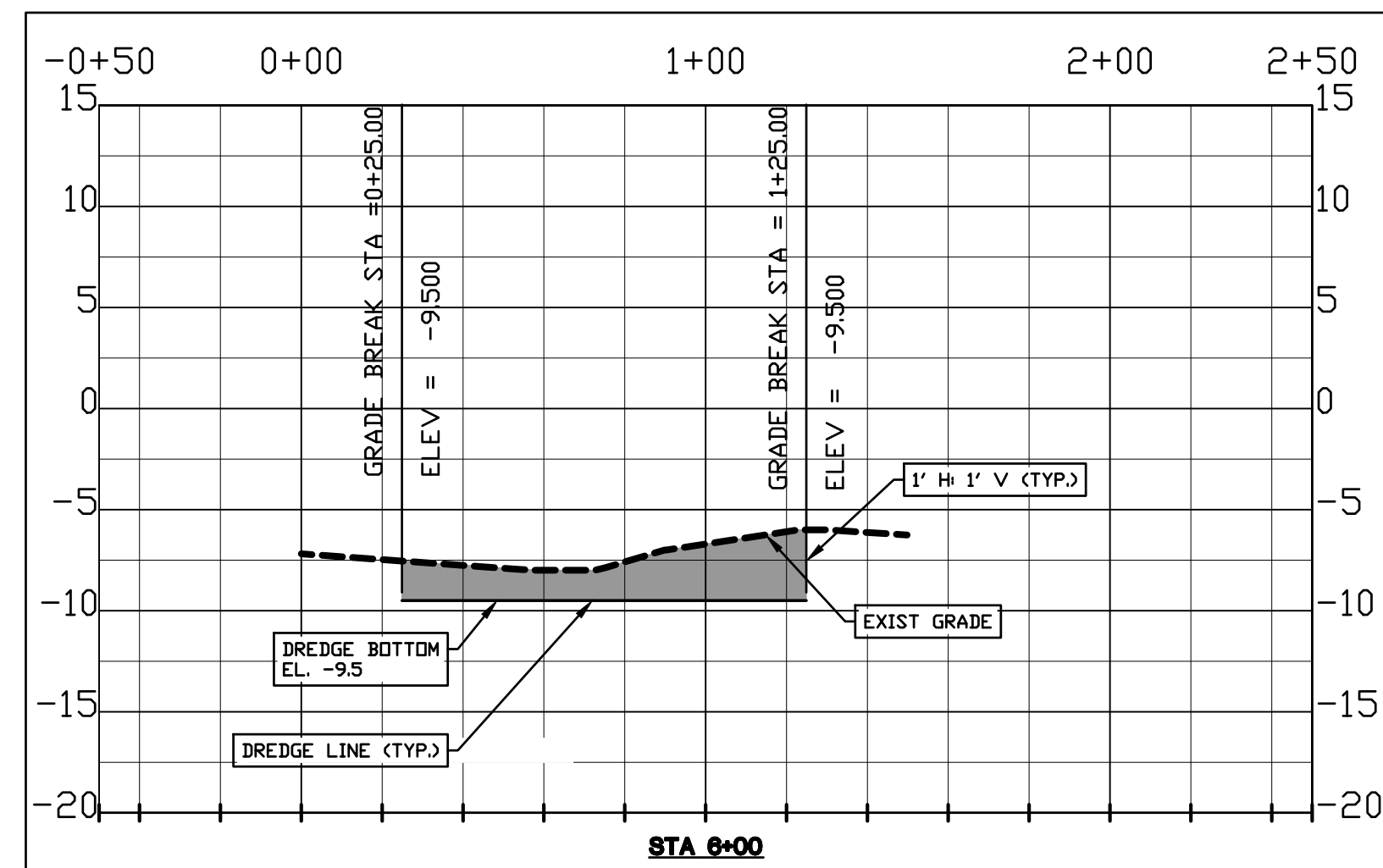
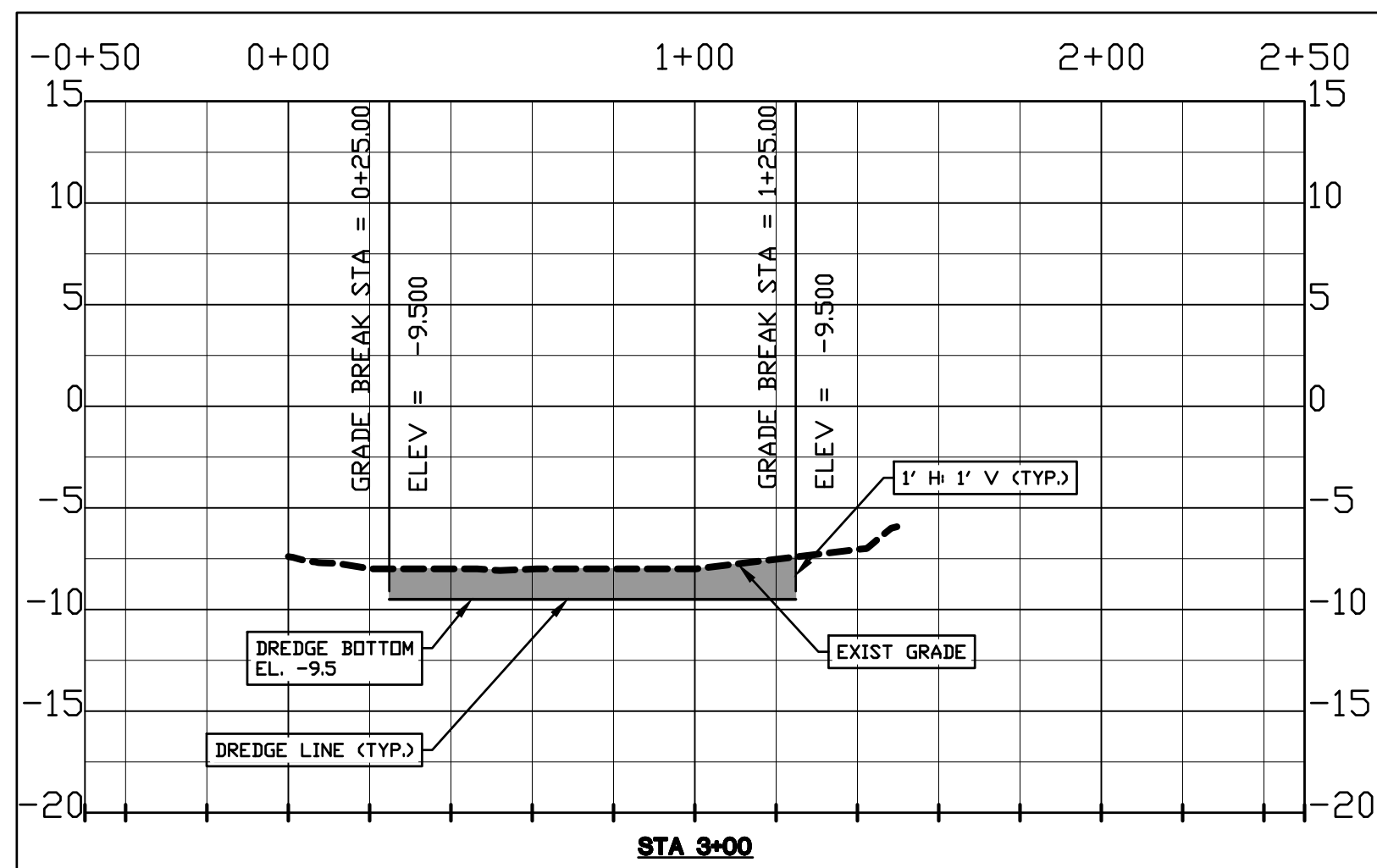
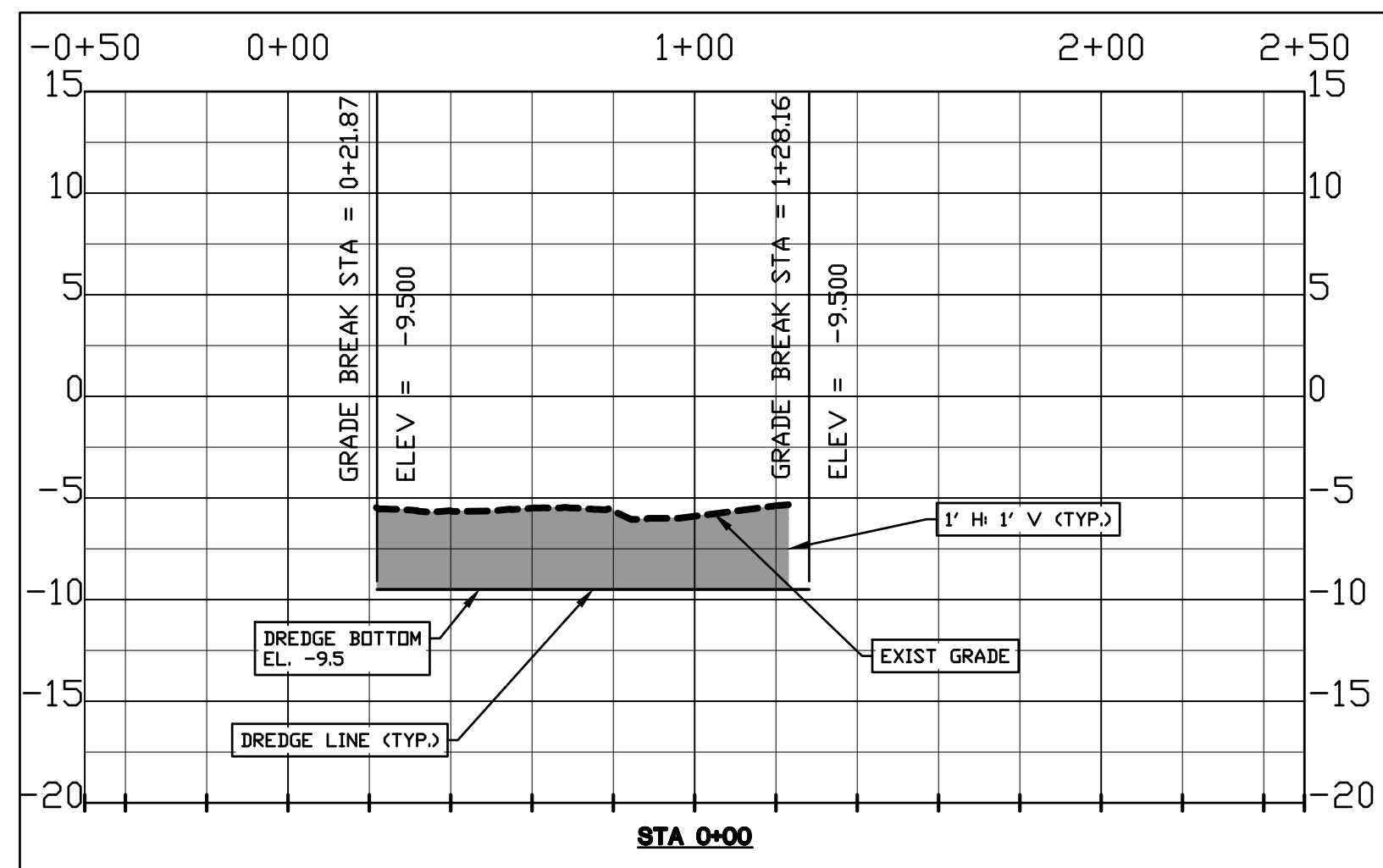
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NOTES:

1. NO DREDGING SHALL TAKE PLACE UNDERNEATH EXISTING WOODEN DECK
2. CONTRACTOR TO PROTECT EXISTING WOODEN PILES

 <p> <small> TBEF FIRM NO. 145, TBEF-S FIRM NO. 10032400 2725 SWANTNER DR. CORPUS CHRISTI, TX 78404 PHONE: 361.854-3101 WWW.URBANENG.COM </small> </p>	<p>ENLARGED DREDGING LAYOUT (3)</p>		 <p> <small> THE SEAL OF THE PROFESSIONAL ENGINEER NO. 10032400 OF THE STATE OF TEXAS TX REG. 6/182 (10/10/2022) </small> </p>	REV.	BY	DATE	DESCRIPTION	APPROVED BY
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							DESIGNED: J.L.U.	
							CHECKED: J.L.U.	
							DATE: OCT. 2022	
<p> SHEET 5 OF 7 </p>	<p>MARINA MAINTENANCE DREDGING 2022</p> <p>PORT ARANSAS, TEXAS</p>							
<p>JOB NO.</p>		<p>06100.C2.05</p>						



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TX REG. 62162 (10/10/2022)

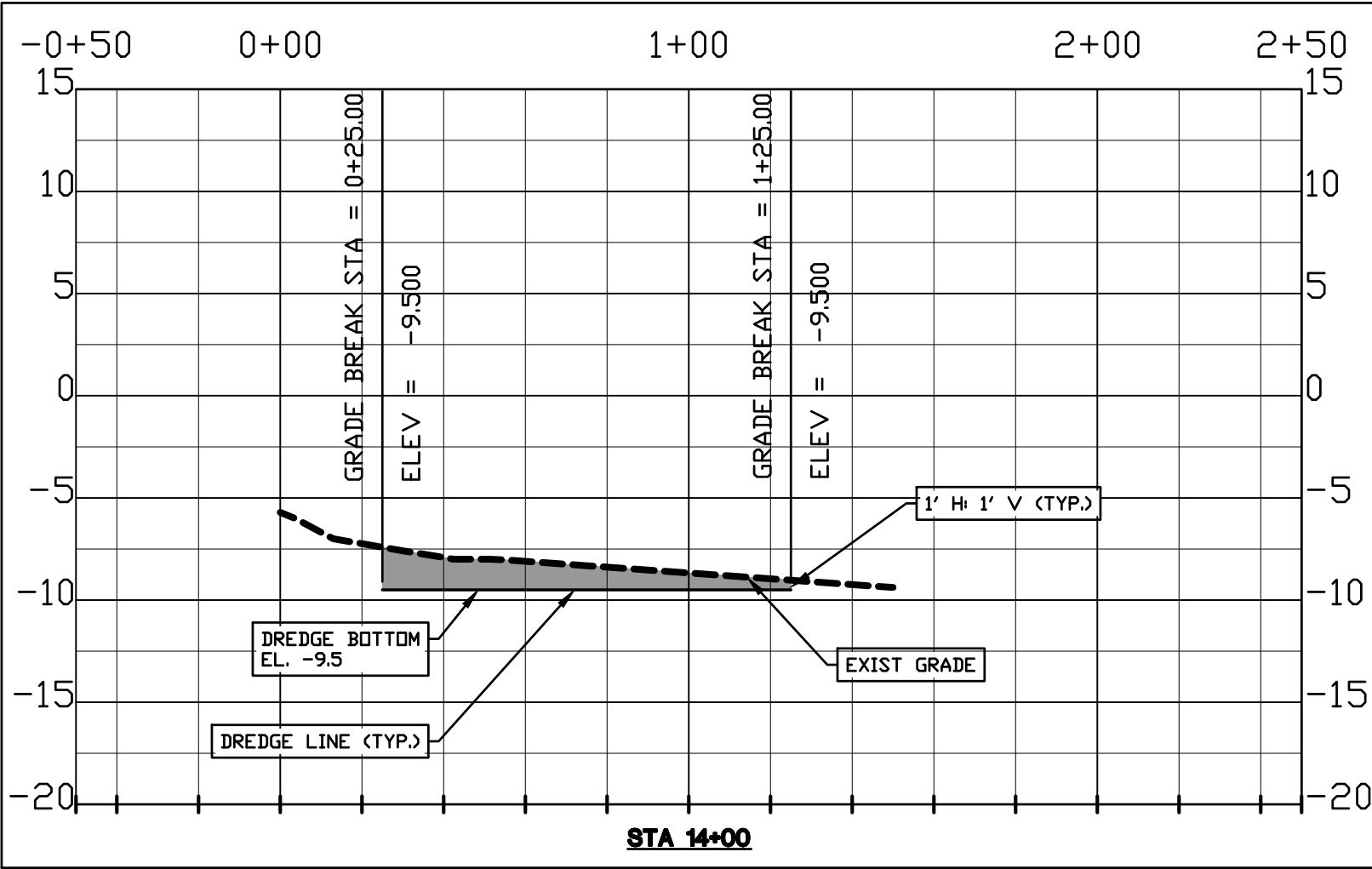
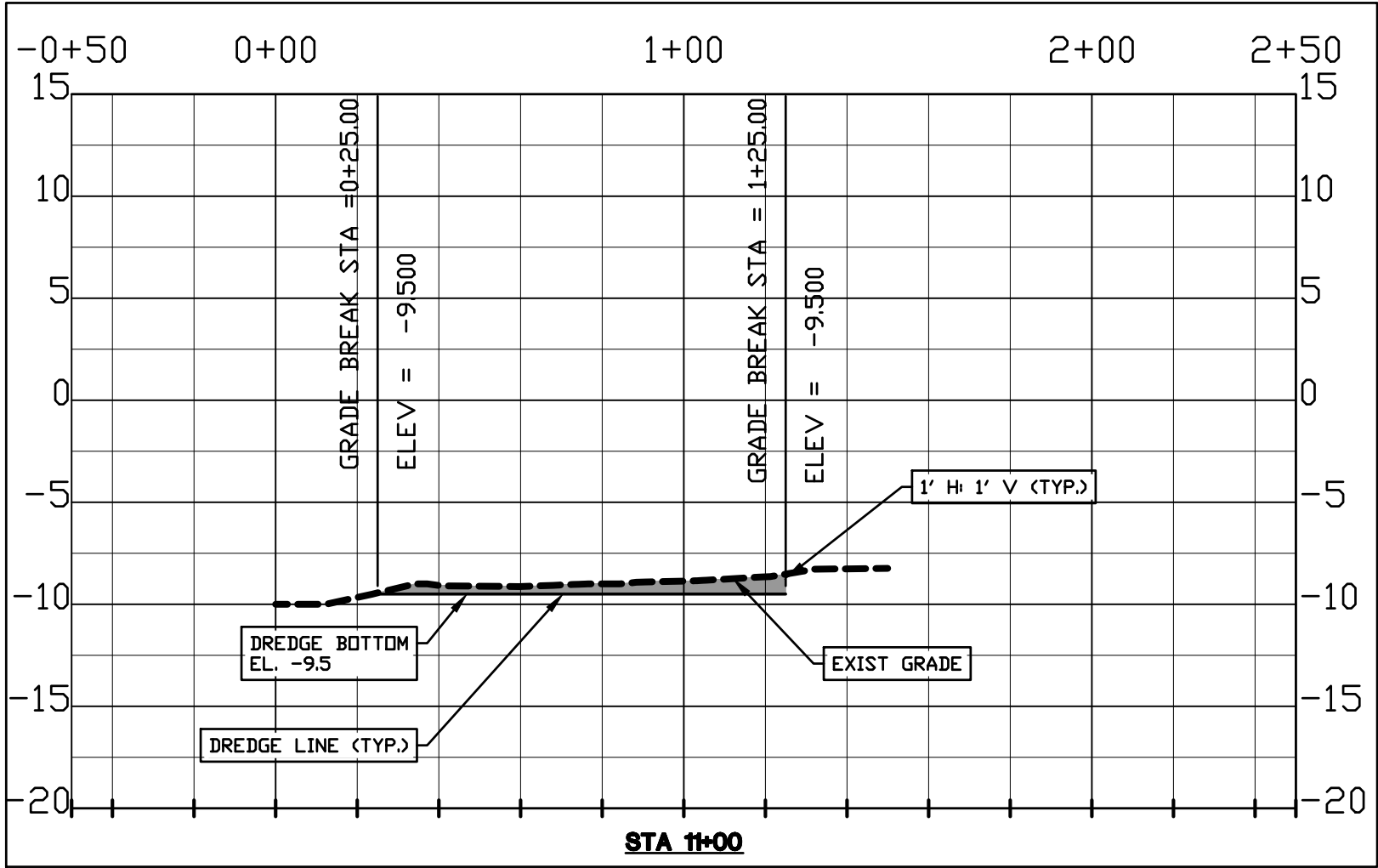
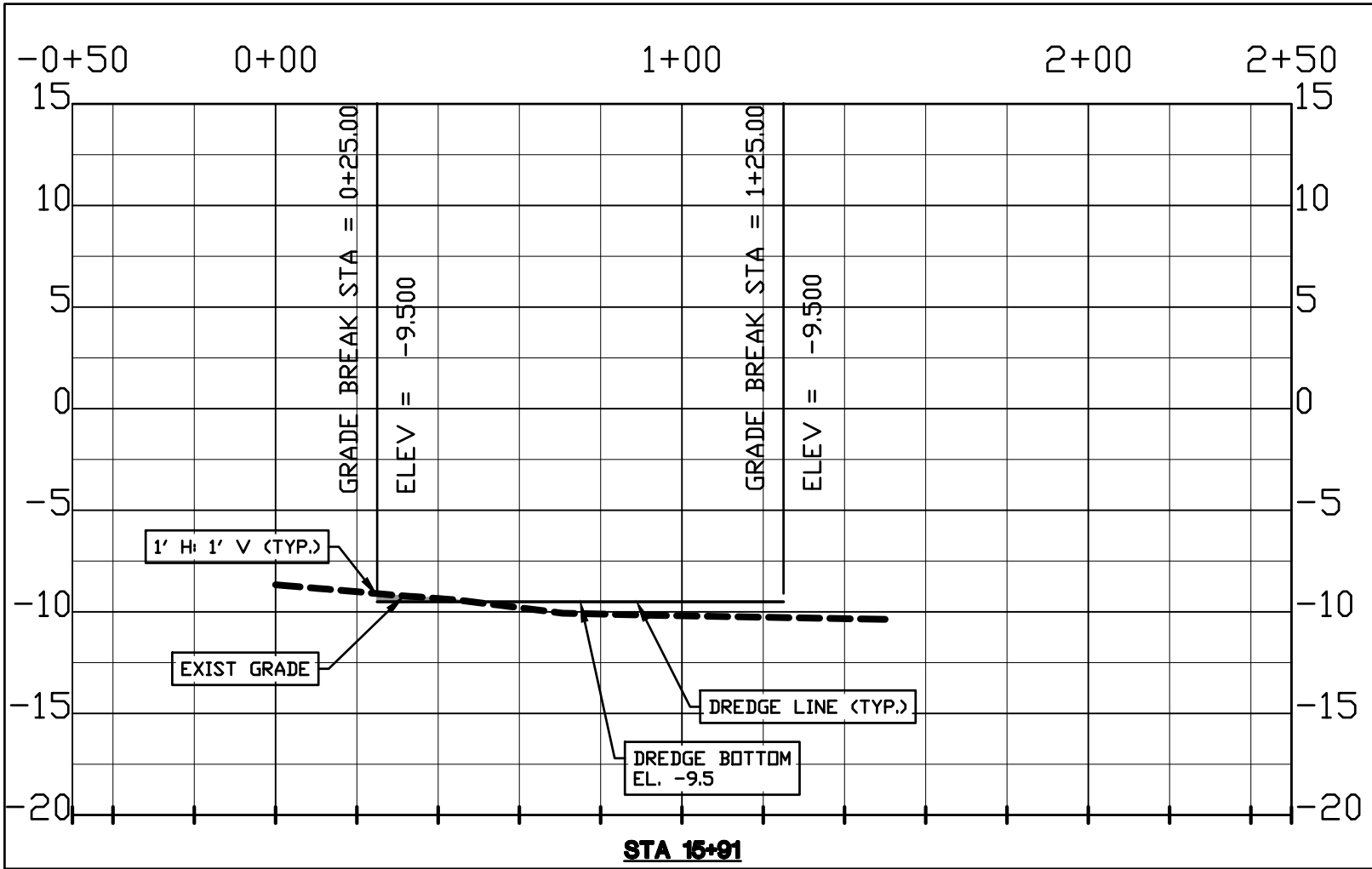
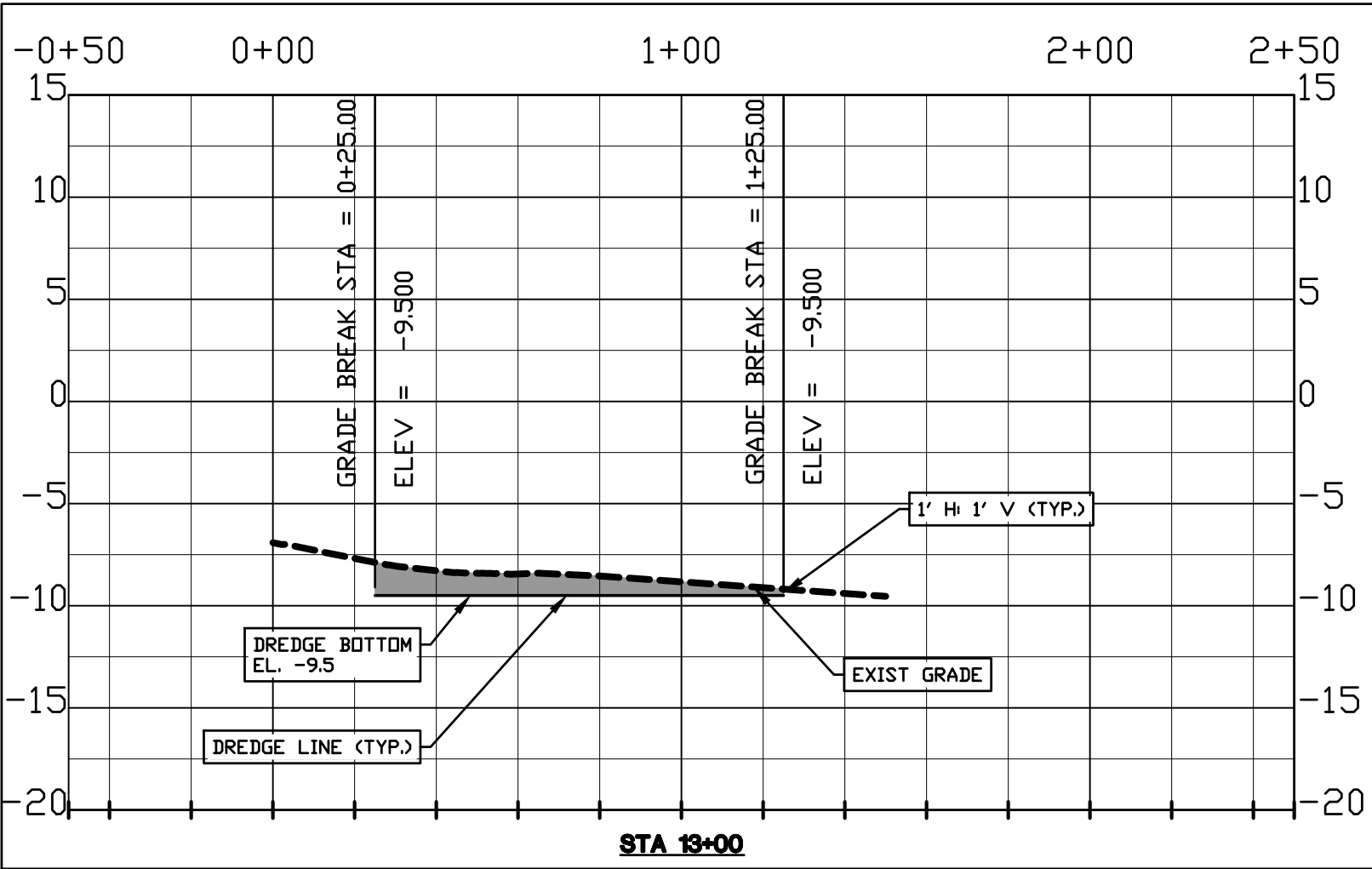
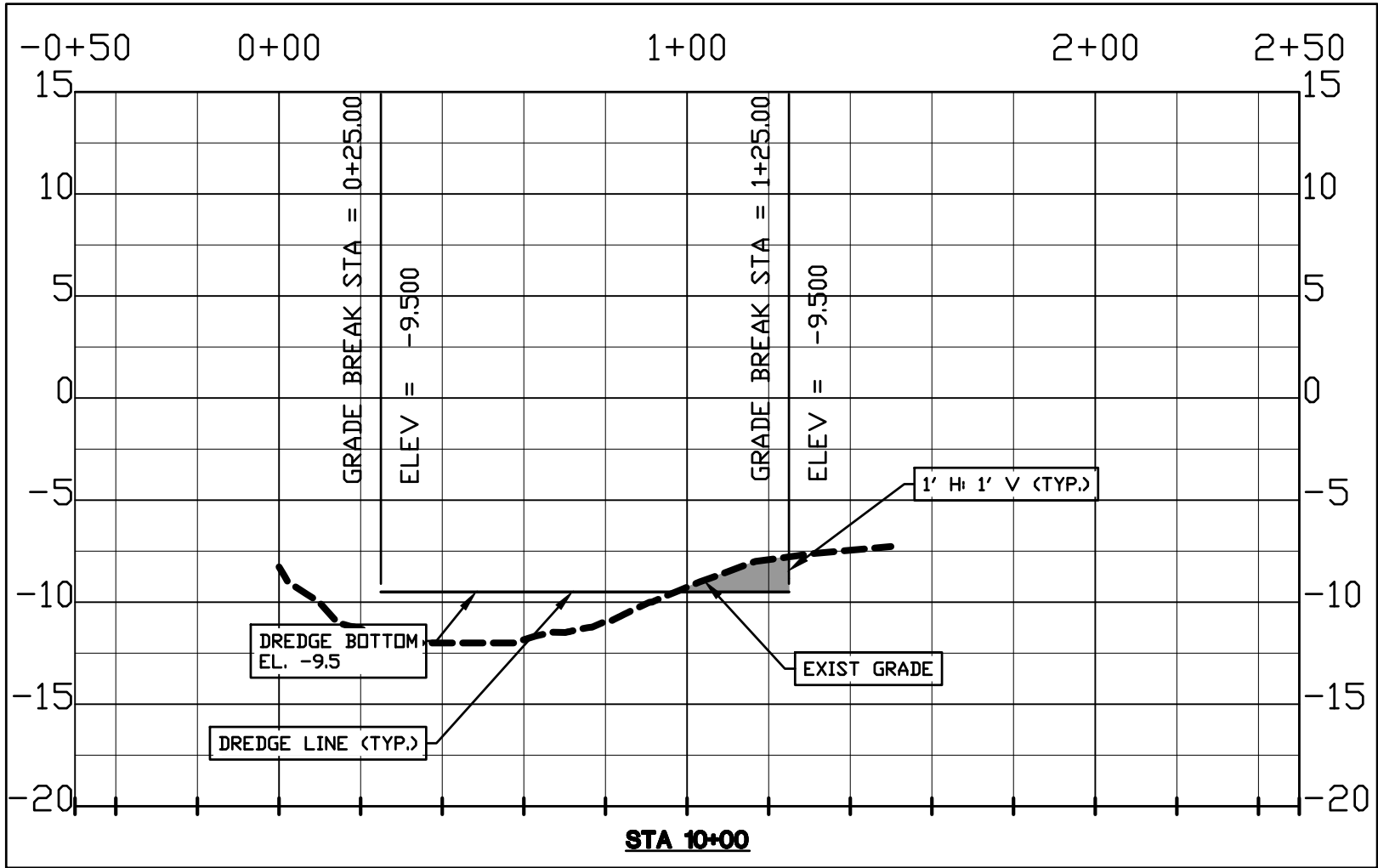
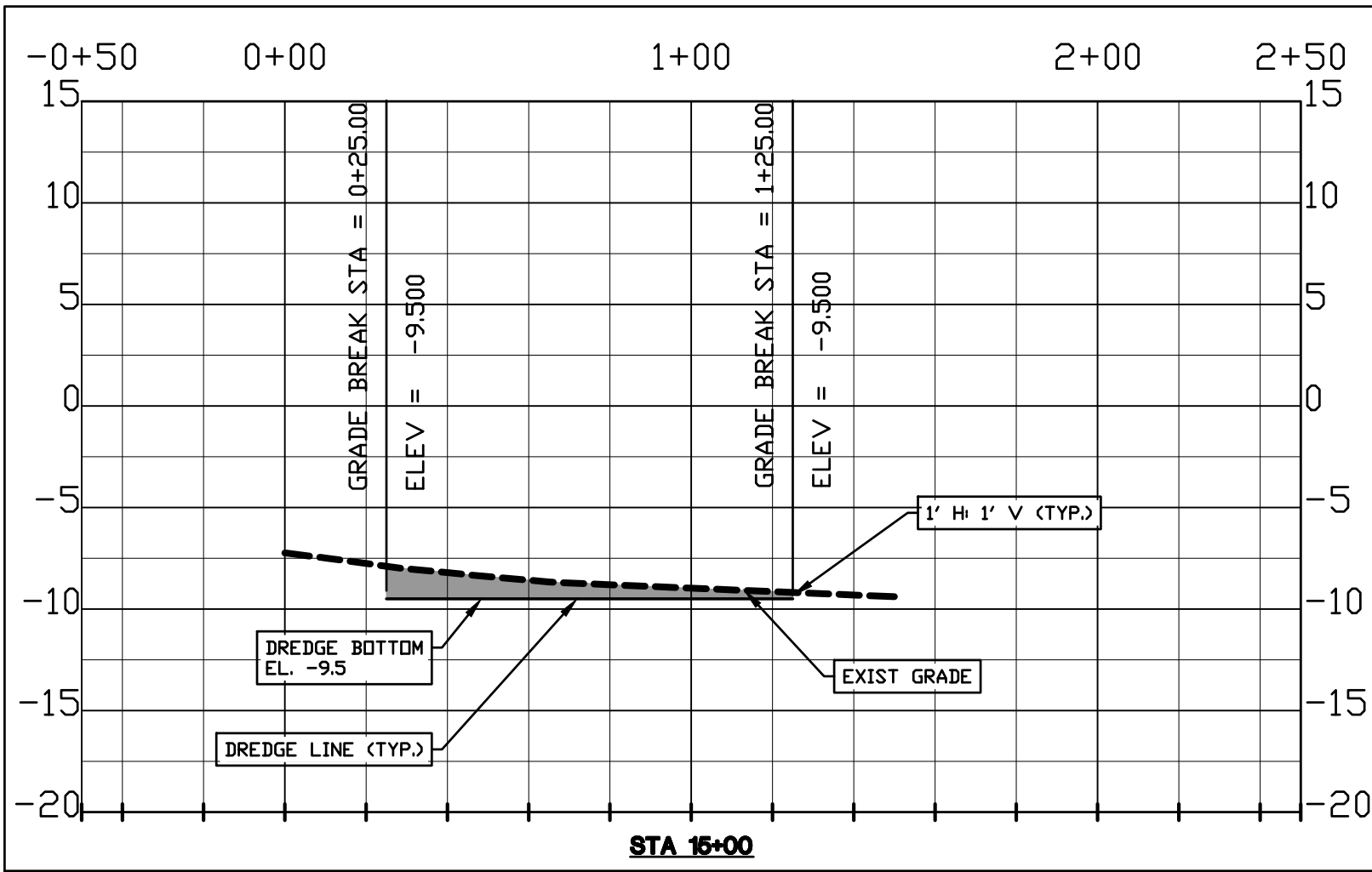
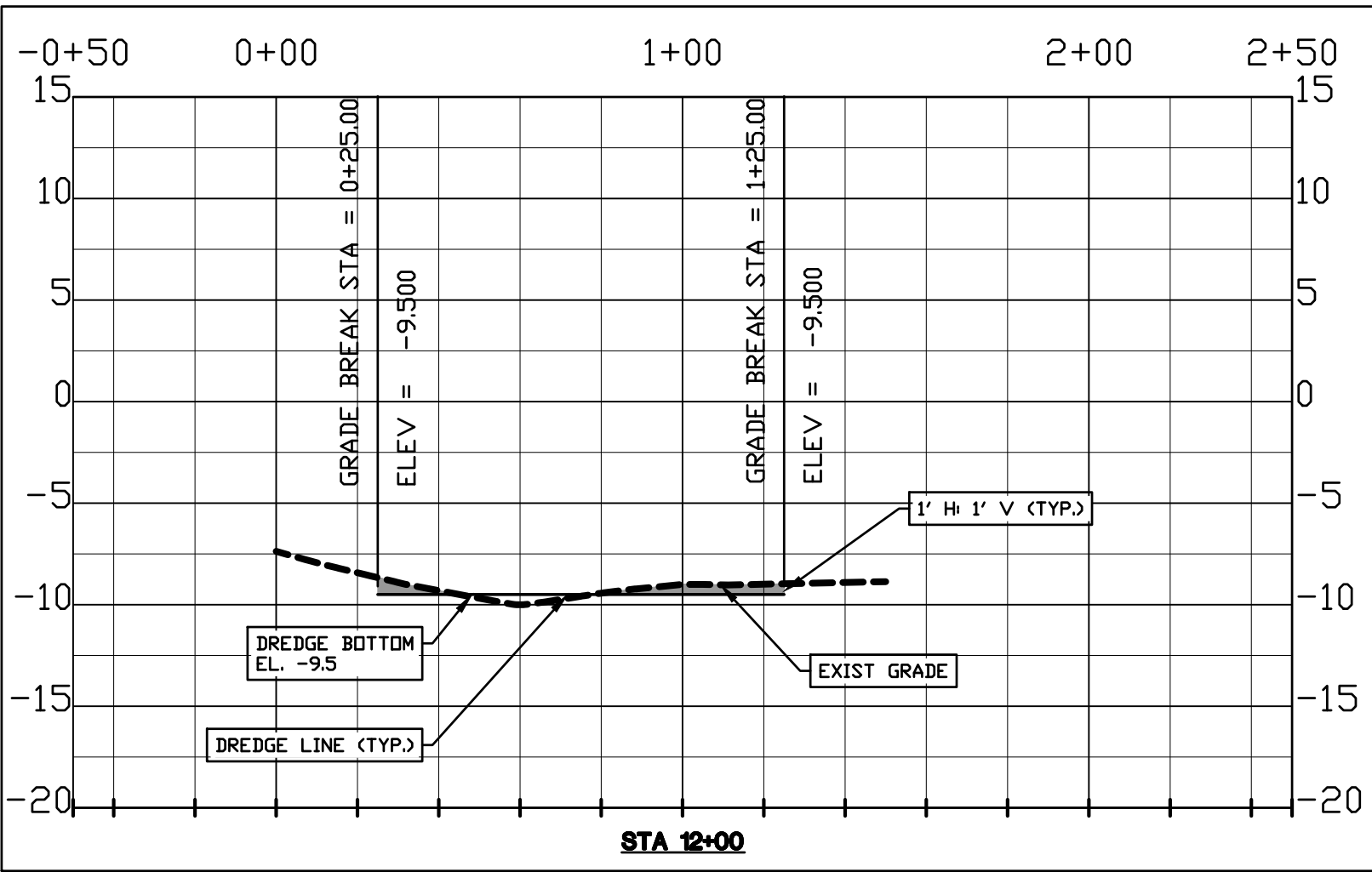
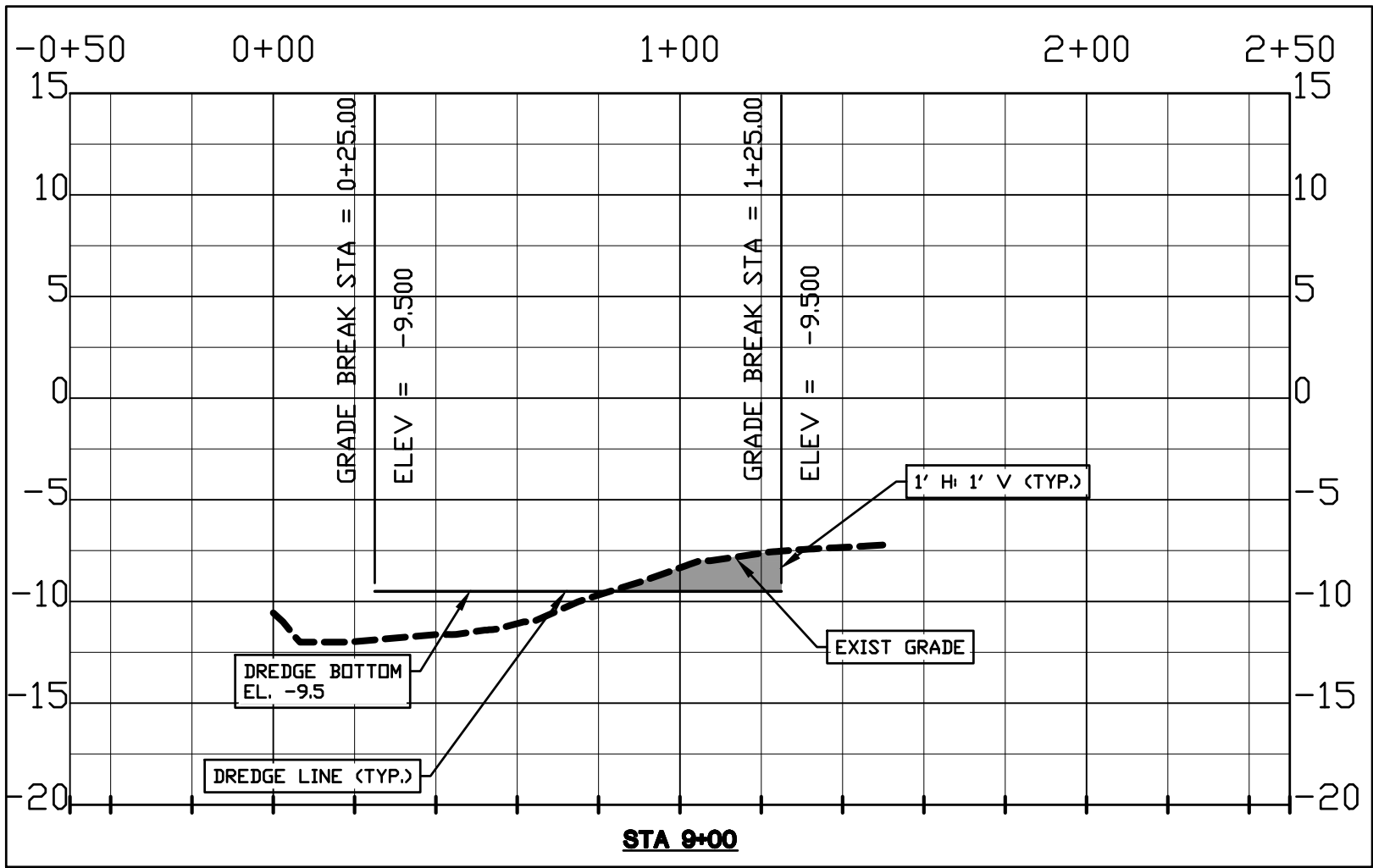
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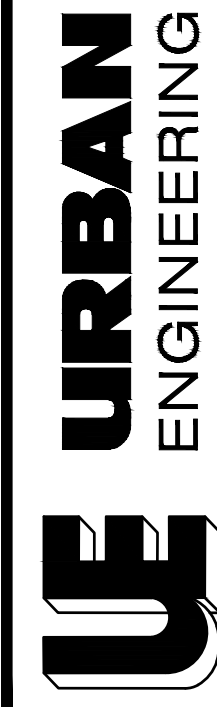
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DREDGING CROSS SECTIONS (2)
MARINA MAINTENANCE DREDGING 2022
PORT ARANSASI, TEXAS



TYPE FIRM NO. 145, TYPE FIRM NO. 10032400
2700 MARINA DRIVE, PORT ARANSASI, TEXAS 78373
PHONE: 361-535-1100 WWW.URBANENGINEERING.COM

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7
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