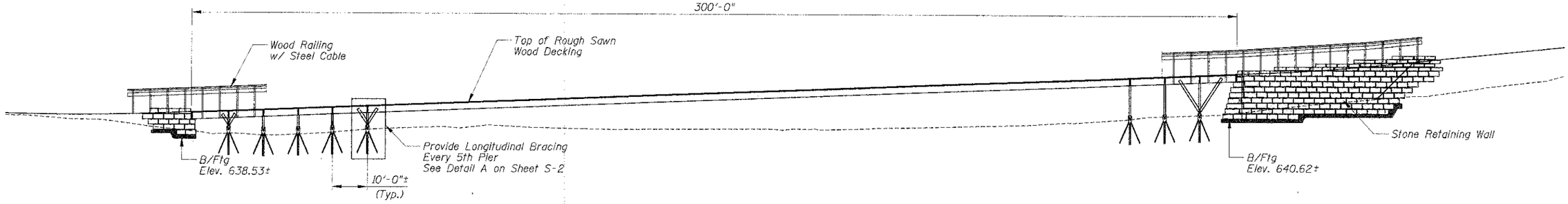
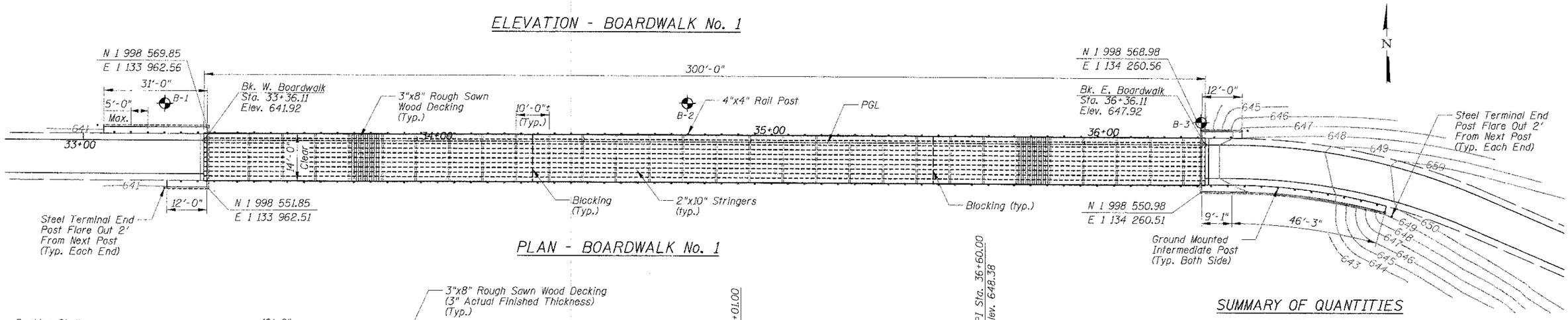
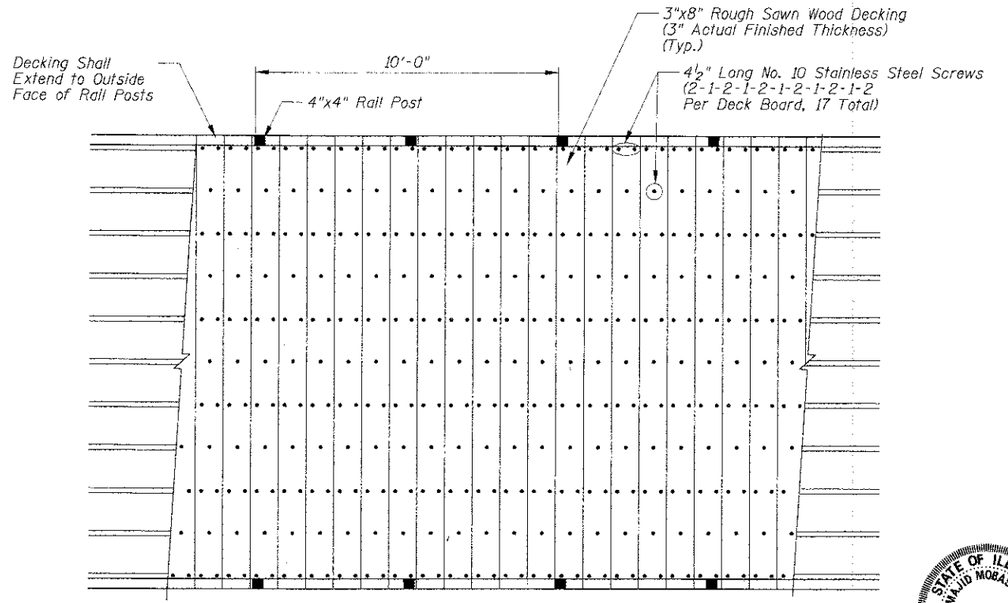


ELEVATION - BOARDWALK No. 1



PLAN - BOARDWALK No. 1



BOARDWALK DECKING PLAN

PROFILE GRADE

DESIGN SPECIFICATIONS

2012 AASHTO Bridge Design Specifications,
6th Edition, with 2012 Interims and
2009 LRFD Guide Specifications for the
Design of Pedestrian Bridge.

Uniform Loading of 90 PSF
No Vehicular Loading

I Certify That To The Best Of My Knowledge, Information And Belief, This Bridge Design Is Structurally Adequate For The Design Loading Shown On The Plans, And Complies With Requirements Of The Contract And The Current "Guide Specification For Design Of Pedestrian Bridge".

STATE OF ILLINOIS
MAJID MOBASSERI
081-005058
CHAMPAIGN, ILLINOIS
LICENSED STRUCTURAL ENGINEER

4/11/13

MAJID MOBASSERI
ILLINOIS REGISTRATION No. 081-005058 STRUCTURAL ENGINEER
EXPIRATION DATE: 11/30/14

SUMMARY OF QUANTITIES
BOARDWALK No. 1

ITEM	UNIT	QUANTITY
BOARDWALK STRUCTURE	Sq. Ft.	4500
STONE RETAINING WALL	Sq. Ft.	860

NOTES:

1. The Rub Rail and Cap Rail Shall Be Installed Before Tensioning The Cable Rails.
2. The Top and Bottom of Pier Post Shall Be Covered With An Epoxy Glue To Prevent Water Absorbtion.
3. The Diamond Piers Shall Be Designed For The Following Loads:
   Max. Vertical Load = 10,000 lb
   Lateral Load = 1,150 lb
   Uplift = 600 lb
4. Provide 2x10 Blocking For Joists At The Center of Each Span.
5. Final Placement of Stones To Be Approved By Landscape Architect in Field.
6. Stones Shall Have No Exposed Saw Cuts.
7. Stone Retaining Wall Shall Have 6H:1V Batter on Exposed Face.

DECKING:

1. Decking Shall Be Butted Tightly Board To Board To Allow For Board Shrinkage After Deck Construction.
2. Decking To Be Attached With 305 Stainless Steel or Better Screw Recessed ⅛" Below Deck Surface.
3. No Splices Shall Be Allowed For Bridge Decking.

CBB
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

Alfamanu

USER NAME = mthomas	DESIGNED - MM	REVISED -
	DRAWN - PDR	REVISED -
PLOT SCALE = N.T.S.	CHECKED - MM	REVISED -
PLOT DATE = 4/11/2013	DATE - 4/11/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE COOK ROAD/NORTH BRANCH BICYCLE TRAIL EXTENSION
PROPOSED BOARDWALK STRUCTURE No. 1
PLAN AND ELEVATION

SCALE: N.T.S. | SHEET NO. S-1 OF S-8 SHEETS | STA. 33+36.11 TO STA. 36+36.11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3726	10-F3000-22-BT	COOK/LAKE	89	54
		CONTRACT NO. 63781		
		ILLINOIS FED. AID PROJECT		

FILE NAME = 210459-S01.SWDGN.SHT