The Enclosed Document Is Provided For Your Convenience.

Please Email ALL Questions:

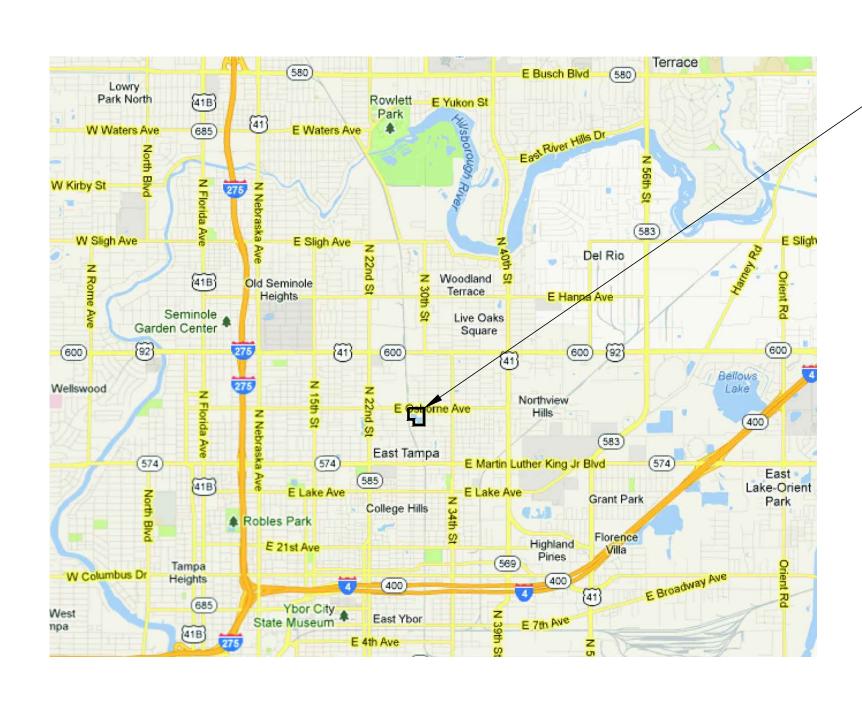
MailTo:ContractAdministration@TampaGov.net

Please Let Us Know If You Plan To Bid

City of Tampa
Contract Administration Department
306 E. Jackson St. #280A4N
Tampa, FL 33602
(813)274-8456

OSBORNE AVENUE POND PROPOSED BOARDWALK

CITY OF TAMPA PARKS AND RECREATION DEPATRMENT PLANNING & DESIGN 3402 W. COLUMBUS DRIVE TAMPA, FL 33607



PROJECT LOCATION 3803 E. OSBORNE AVENUE TAMPA, FL

VICINITY MAP

S-T-R 5-29-19

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
X0.0	COVER SHEET
C1.0	OVERALL CIVIL SITE
C1.1	ENLARGED BOARDWALK PLAN
C1.2	ENLARGED BOARDWALK PLAN
C1.3	ENLARGED BOARDWALK PLANS
C2.0	BOARDWALK SECTION VIEWS
C3.0	CIVIL DETAILS & NOTES
CS1.0	BOARDWALK LAYOUT PLAN DETAILS
CS1.1	BOARDWALK LAYOUT PLAN DETAILS
CS3.0	BOARDWALK FRAMING DETAILS
CS3.1	OVERLOOK FRAMING DETAILS
CS4.0	BOARDWALK FRAMING DETAILS
CS4.1	BOARDWALK FRAMING DETAILS
CS4.2	BOARDWALK FRAMING DETAILS

BID SET 11/04/13

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MILLS and ASSOCIATES, INC. CONSULTING ENGINEERS & LAND SURVEYORS 3242 HENDERSON BOULEVARD - SUITE 300 TAMPA, FLORIDA 33609-3056

TELEPHONE: (813) 876-5869

FOR

CITY OF TAMPA PARKS AND RECREATION DEPARTMENT 3402 W. COLUMBUS DRIVE TAMPA, FL 33607

DATE 10/16/13 DSGN BY: ___CVM DATE 0/16/13 CHKD BY: LEM DATE 10/16/13

scale: NA

LAWRENCE E. MILLS
P.E. NO. 22324 — E.B. NO. 3860
P.L.S. NO. 3141 — L.B. NO. 3868
STATE OF FLORIDA

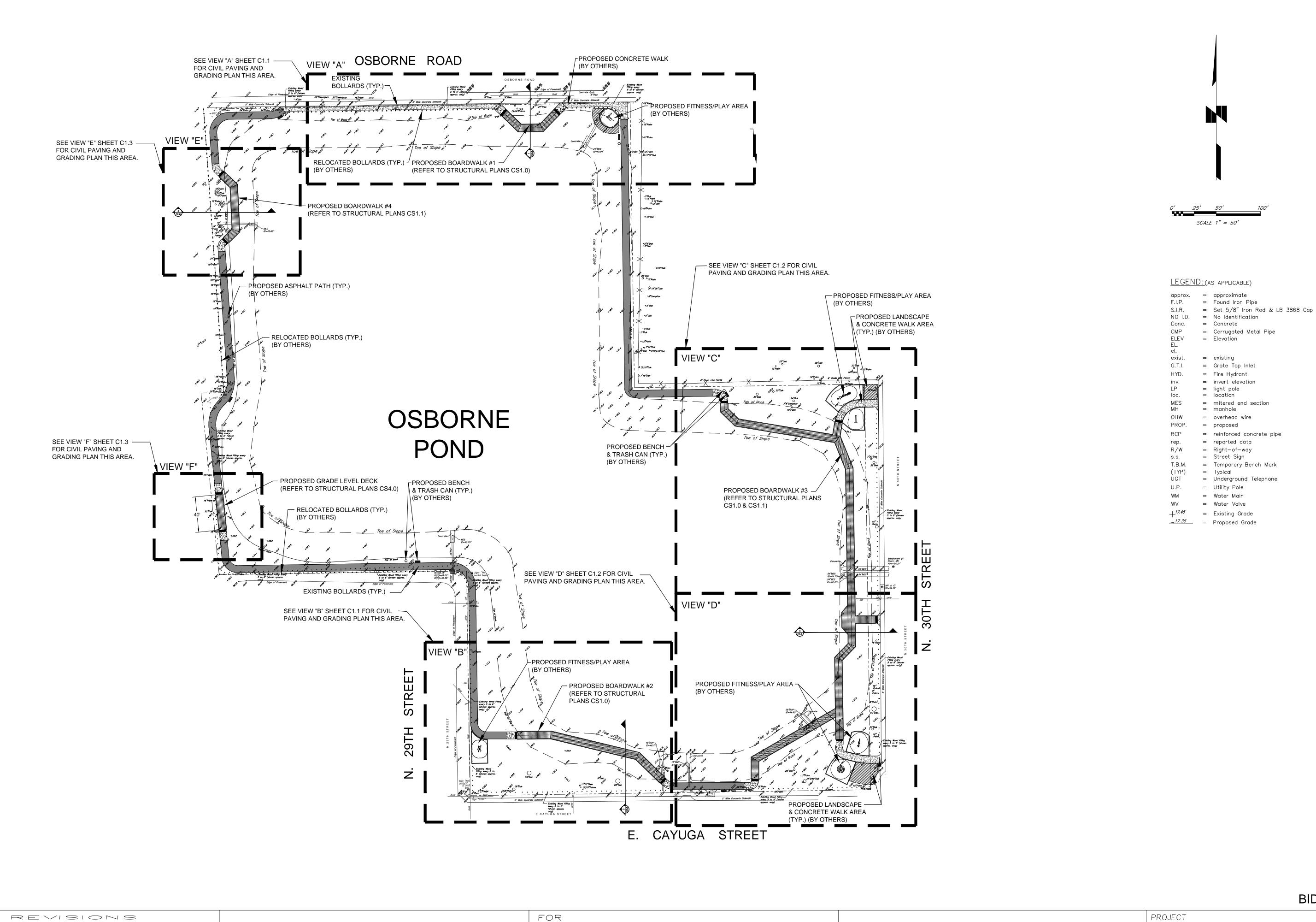
OSBORNE AVENUE POND PROPOSED BOARDWALK

PROJECT

SHEET JOB NO.

COVER SHEET

13-016



BID SET 11/04/13

BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION

MILLS and ASSOCIATES, INC.

CONSULTING ENGINEERS & LAND SURVEYORS

3242 HENDERSON BOULEVARD — SUITE 300

TAMPA, FLORIDA 33609—3056

TELEPHONE: (813) 876-5869

CITY OF TAMPA
PARKS AND RECREATION DEPARTMENT

3402 W. COLUMBUS DRIVE
TAMPA, FL 33607

DRWN BY: CVM DATE $\frac{10/16/13}{10/16/13}$ DSGN BY: CVM DATE $\frac{10/16/13}{10/16/13}$ CHKD BY: CVM DATE $\frac{10/16/13}{10/16/13}$ SCALE: CVM DATE $\frac{10/16/13}{10/16/13}$

LAWRENCE E. MILLS
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STATE OF FLORIDA

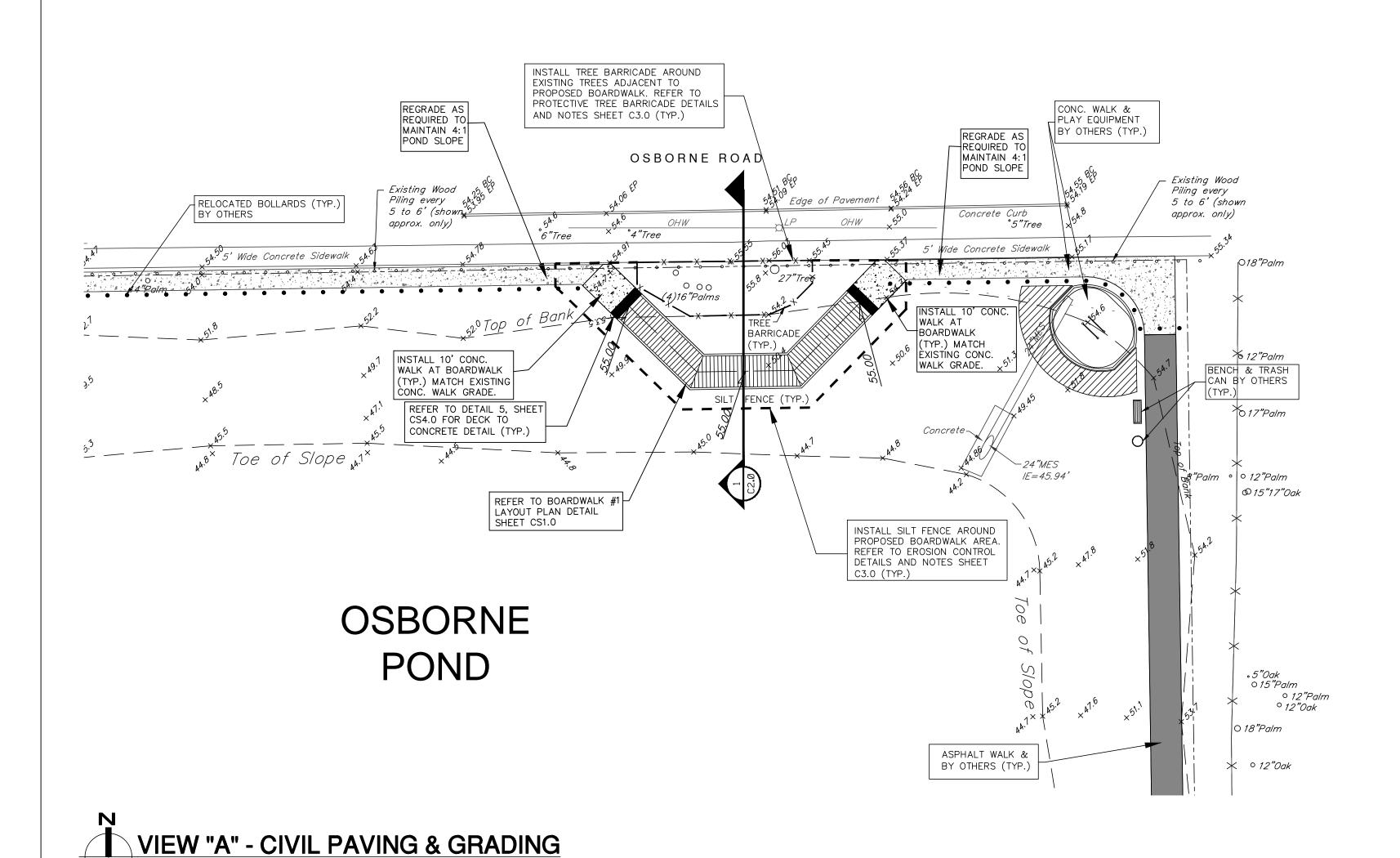
OSBORNE AVENUE POND PROPOSED BOARDWALK

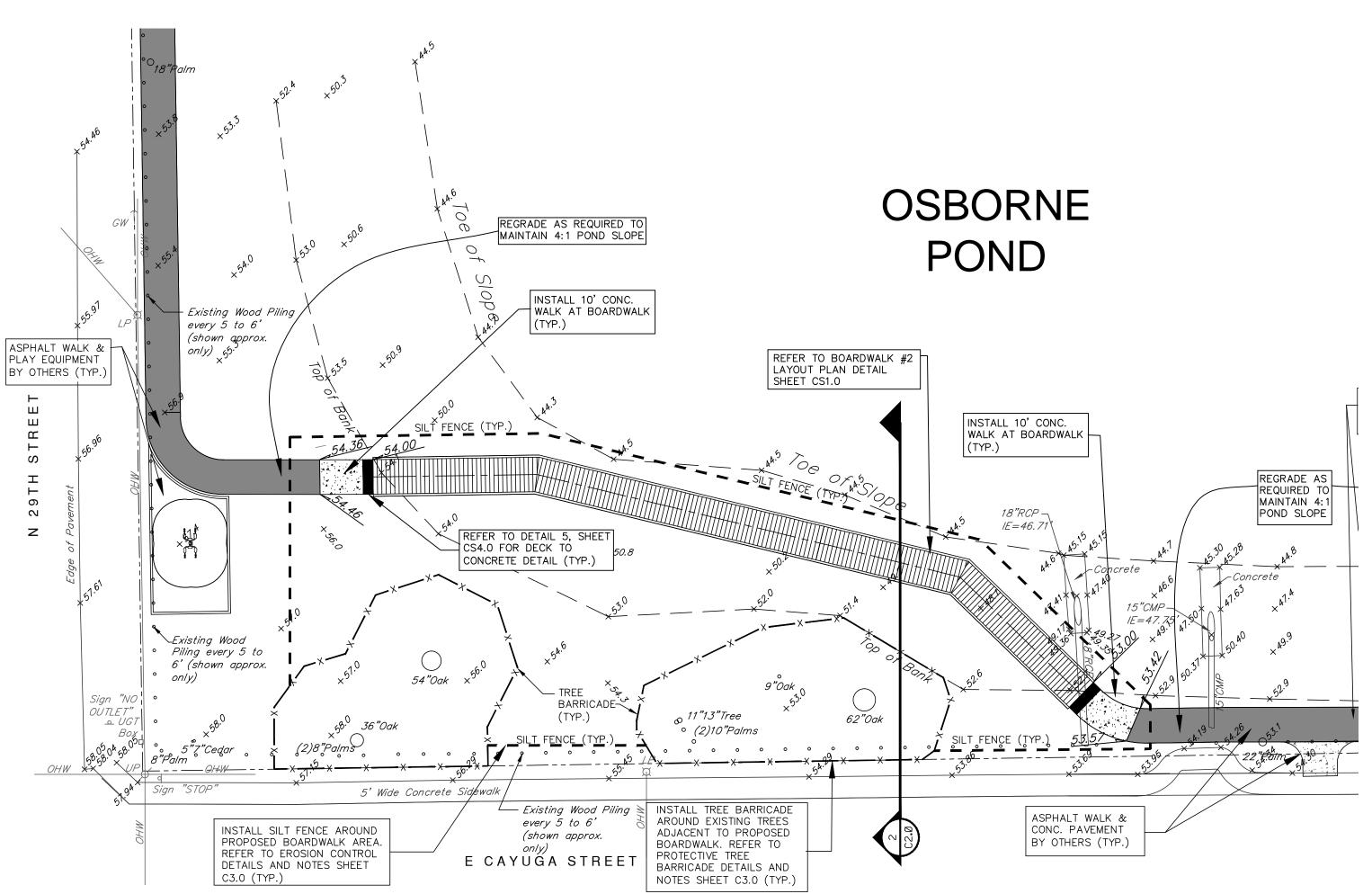
OVERALL CIVIL SITE

13-016

JOB NO.

SHEET





VIEW "B" - CIVIL PAVING & GRADING
SCALE 1"= 20'

BID SET 11/04/13

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BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION

SCALE 1"= 20'

MILLS and ASSOCIATES, INC.

CONSULTING ENGINEERS & LAND SURVEYORS
3242 HENDERSON BOULEVARD — SUITE 300
TAMPA, FLORIDA 33609—3056

TELEPHONE: (813) 876—5869

CITY OF TAMPA
PARKS AND RECREATION DEPARTMENT

3402 W. COLUMBUS DRIVE
TAMPA, FL 33607

FOR

DRWN BY:CVM	DATE 10/16/13	
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CHKD BY: LEM	DATE 10/16/13	
scale: <u>1"= 20</u>		LAWRENCE E. MILLS P.E. NO. 22324 — E.B. NO. 3860 P.L.S. NO. 3141 — L.B. NO. 3868 STATE OF FLORIDA

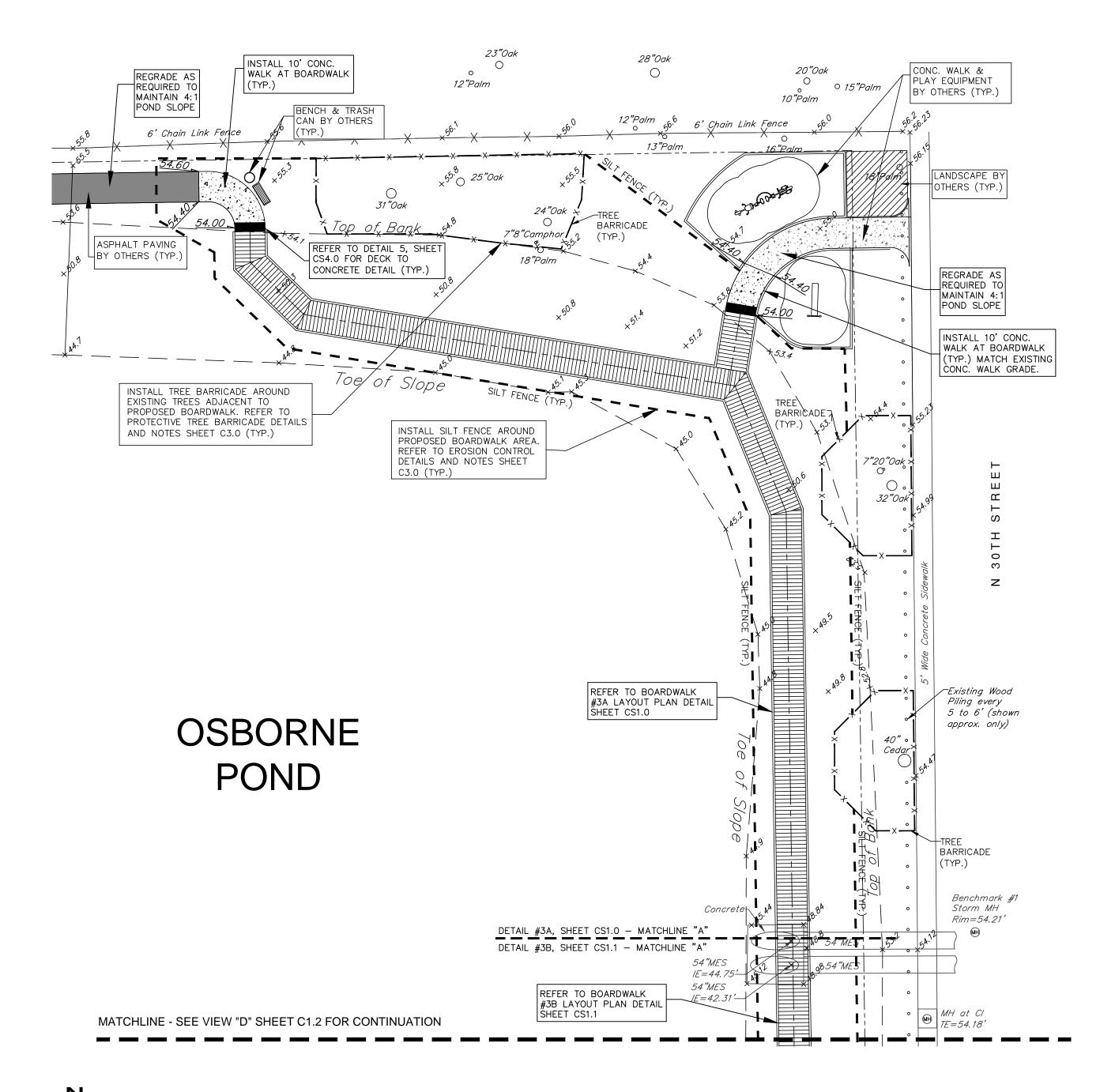
PROJECT

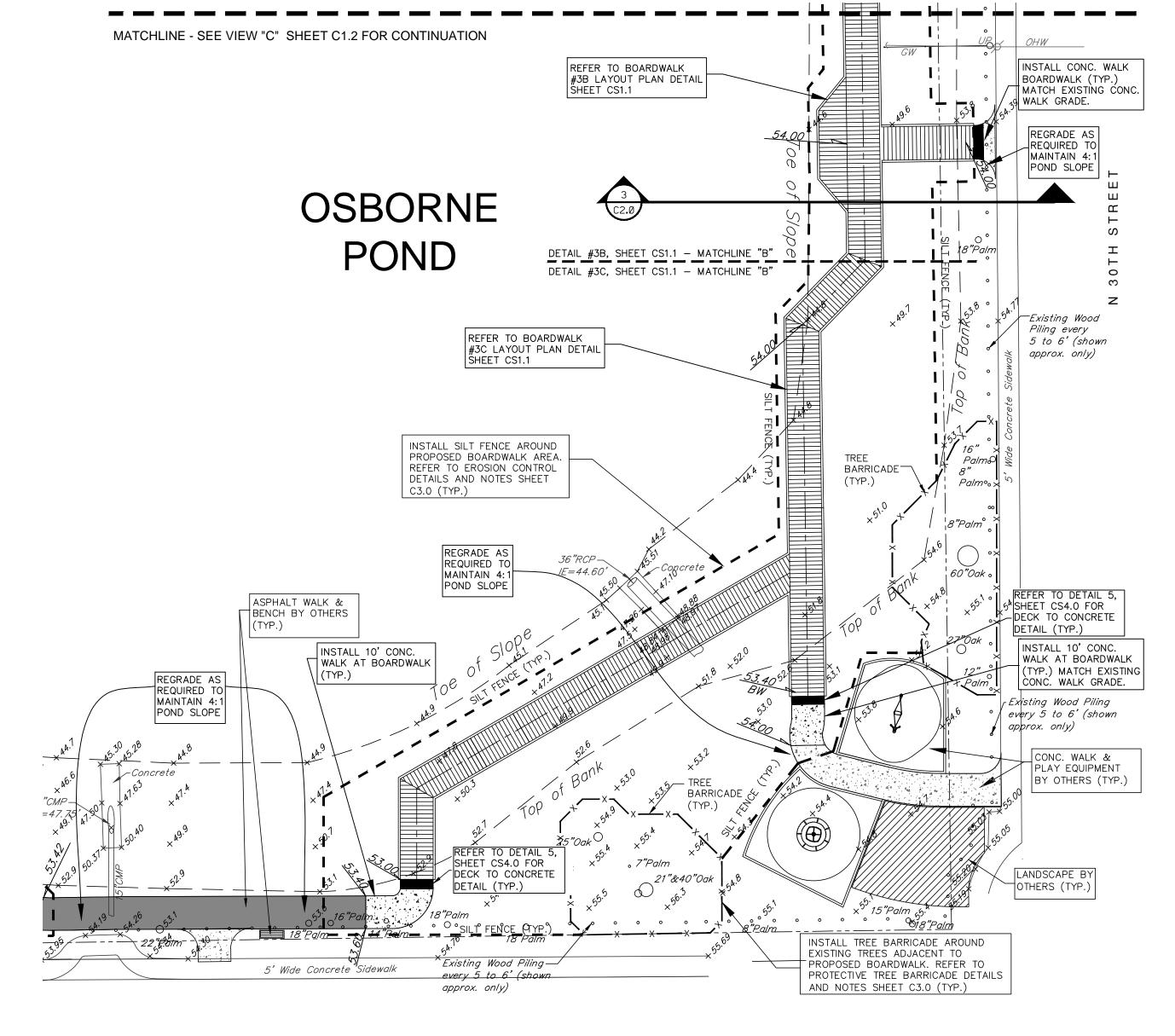
OSBORNE AVENUE POND
PROPOSED BOARDWALK

JOB 1

ENLARGED BOARDWALK PLAN

JOB NO. 13-016





VIEW "D" - CIVIL PAVING & GRADING
SCALE 1"= 20'

VIEW "C" - CIVIL PAVING & GRADING SCALE 1"= 20'

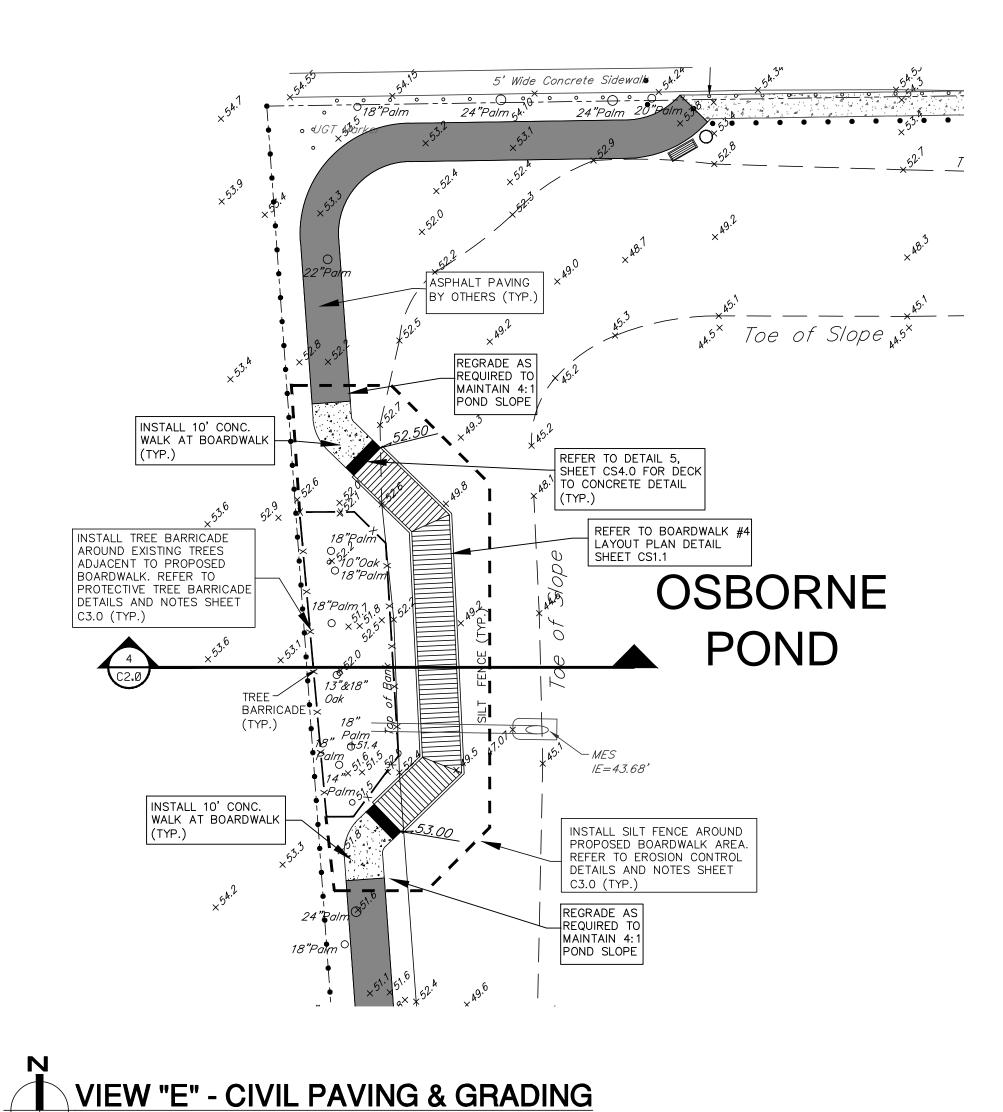
BID SET 11/04/13

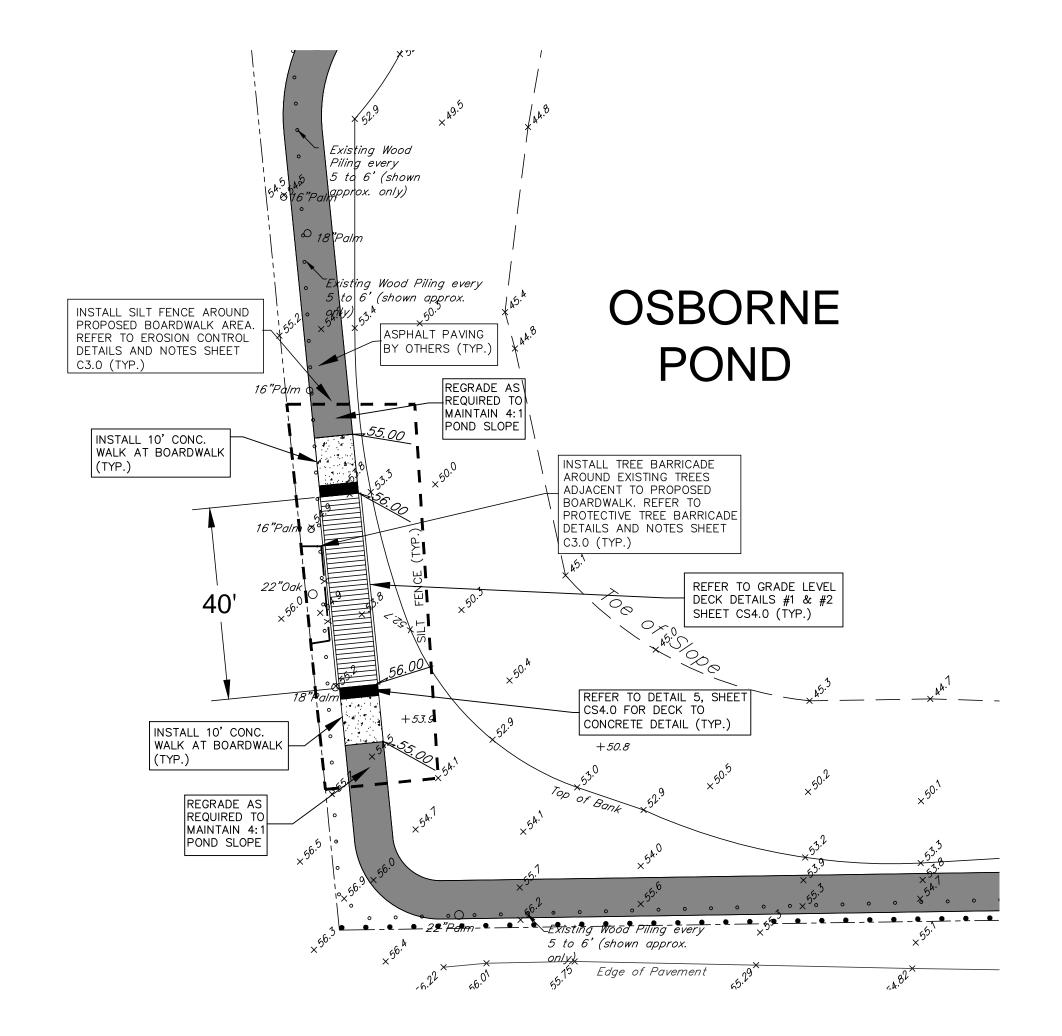
SHEET

JOB NO.

13-016

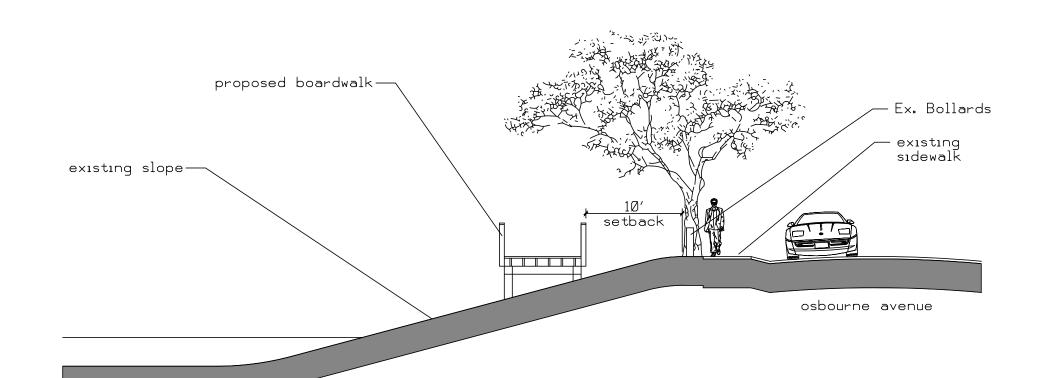
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-	BY DATE	DESCRIPTION	BY DATE	DESCRIPTION	MILLS and ASSOCIATES, INC. consulting engineers & land surveyors 3242 HENDERSON BOULEVARD — SUITE 300 TAMPA, FLORIDA 33609—3056 TELEPHONE: (813) 876—5869	CITY OF TAMPA PARKS AND RECREATION DEPARTMENT 3402 W. COLUMBUS DRIVE TAMPA, FL 33607	DRWN BY:	LAWRENCE E. MILLS P.E. NO. 22324 — E.B. NO. 3860 P.L.S. NO. 3141 — L.B. NO. 3868 STATE OF FLORIDA	OSBORNE AVENUE POND PROPOSED BOARDWALK ENLARGED BOARDWALK PLAN

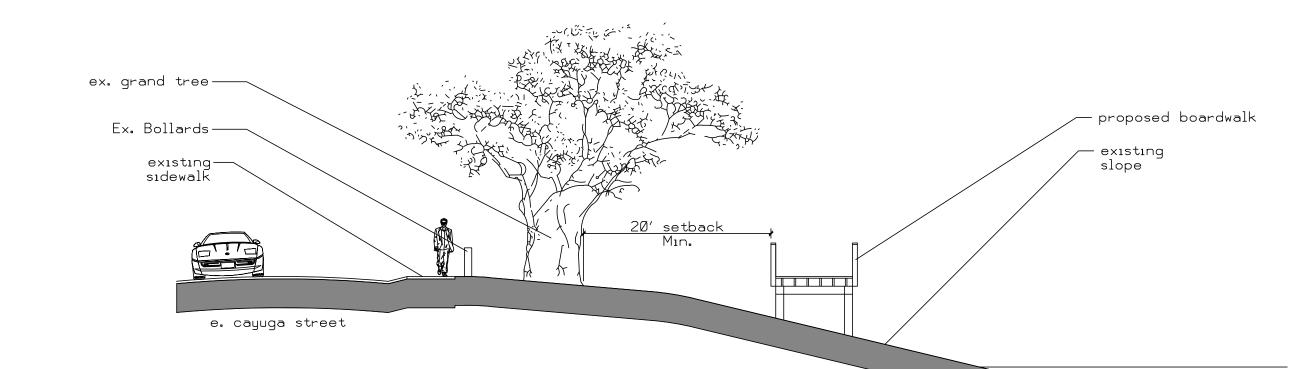




VIEW "F" - CIVIL PAVING & GRADING
SCALE 1"= 20'

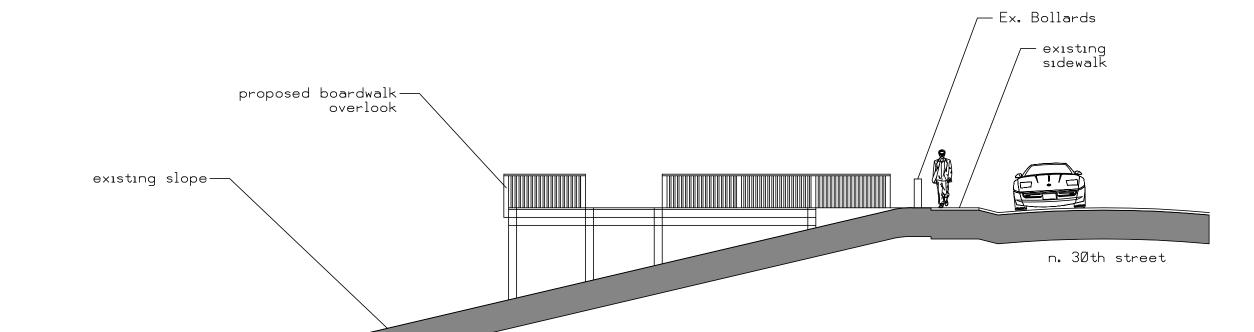
REVISIONS		FOR			PROJECT	SHEET
BY DATE DESCRIPTION BY DATE DESCRIPTION	MILLS and ASSOCIATES, INC. consulting engineers & land surveyors	CITY OF TAMPA PARKS AND RECREATION DEPARTMENT	DRWN BY: DATE 10/16/13 DSGN BY: CVM DATE 10/16/13		OSBORNE AVENUE POND PROPOSED BOARDWALK	C1.3
	- 3242 HENDERSON BOULEVARD - SUITE 300 TAMPA, FLORIDA 33609-3056 TELEPHONE: (813) 876-5869	3402 W. COLUMBUS DRIVE TAMPA, FL 33607	CHKD BY: <u>LEM</u> DATE 10/16/13 SCALE: 1"= 20' -	LAWRENCE E. MILLS P.E. NO. 22324 — E.B. NO. 3860	7710100200711107111111	JOB NO.
	- TELEFTIONE. (813) 876-3869	7711/11 71, 72 33337		P.E. NO. 22324 — E.B. NO. 3860 P.L.S. NO. 3141 — L.B. NO. 3868 STATE OF FLORIDA	ENLARGED BOARDWALK PLAN	13-016





proposed section view - slope along osborne avenue

proposed section view - slope along e.cayuqa street



—proposed boardwalk Relocated -10' setback min. raılroad tracks

3 proposed section view - slope along n. 30th street c2.0 scale 1" = 10'

proposed section view - slope along railroad tracks

(C2.0) scale 1" = 10"

REV	151075		FOR			PROJECT	SHEET
BY DATE DESCRIPTION	BY DATE DESCRIPTION	MILLS and ASSOCIATES, INC. consulting engineers & land surveyors	CITY OF TAMPA PARKS AND RECREATION DEPARTMENT	DRWN BY: DATE 10/16/13 DSGN BY: CVM DATE 10/16/13		OSBORNE AVENUE POND PROPOSED BOARDWALK	C2.0
		- 3242 HENDERSON BOULEVARD - SUITE 300 TAMPA, FLORIDA 33609-3056 TELEPHONE: (813) 876-5869	3402 W. COLUMBUS DRIVE TAMPA, FL 33607	CHKD BY: <u>LEM</u> DATE 10/16/13 SCALE: 1"= 10'	LAWRENCE E. MILLS P.E. NO. 22324 — E.B. NO. 3860 P.L.S. NO. 3141 — L.B. NO. 3868 STATE OF FLORIDA	BOARDWALK SECTION VIEWS	јов NO. 13-016

GENERAL NOTES:

- 1. All work shall comply with the regulations, requirements and ordinances of the various governing agencies having jurisdiction over said work, including, and not limited to, Hillsborough County, City of Tampa, F.D.E.P., F.D.H.R.S., S.W.F.W.M.D., and F.D.O.T.
- 2. Location, dimension, elevation and identification of existing utilities, structures and other topographic features are approximate only, according to the best information available at the time of preparation of these plans. There may be additional existing details on—site and off—site, the presence of which is not known or detected at this time. Engineer/Surveyor shall not be held responsible for undetected underground utilities. Prior to construction, it is the contractor's responsibility to verify the location. dimension, elevation and identification of all utilities, structures and topographic features (i.e. buildings, sidewalks, canopy supports, fences, pavement, underground utilities, utility poles/guy wires, manholes, inlets, a/c units, trees, landscaping, etc.). If any of the existing or proposed conditions either: a) conflict with the proposed improvements, or b) are not shown or shown incorrectly on the plans, it is the contractor's responsibility to contact the
- Engineer prior to the commencing any work activities. 3. The construction testing/inspection shall be the contractor's responsibility to schedule and complete any and all tests as required with all site civil improvements constructed on and off site. It shall also be the contractor's responsibility to pre—test these improvements prior to giving the Engineer of-Record any governing agency field representative 48 hours advance notice of any formal tests.
- 4. Engineer/Surveyor shall not be held responsible for undetected underground utilities and/or soil conditions. Site preparation to be in accordance with a geotechnical engineers recommendations and as a minimum standard must conform with the following: a) Unsuitable material to be removed; b) Fill material to be clean with no organics, muck, clay, etc.; c) Fill to be placed 12" lifts or less and compacted to 98% modified proctor.
- 5. All elevations refer to National Geodetic Vertical Datum. 6. The Contractor shall notify the appropriate public agency(ies) and utility companies prior to commencing work within their jurisdiction(s).
- 7. All pipe lengths are plus or minus and are measured from center of fittings and/or structures.
- 8. The Contractor shall maintain copies of all applicable permits on—site and shall be responsible to adhere to all permit conditions during construction.
- 9. Florida Statute 553.851 (1979) requires a minimum of 2 days and maximum of 5 days notice before excavation. Call SUNSHINE STATE ONE-CALL OF FLORIDA at 1-800-432-4770.
- 10. The Contractor shall use appropriate measures to prevent erosion and transport of sediment to surface drains. The Contractor shall use hay bales and/or silt barriers to mitigate adverse impacts to existing surface water quality.
- 11. The Contractor shall check plans for conflicts and discrepancies prior to construction. The Contractor shall notify the owner's Engineer of any conflict before performing any work in the
- 12. Reinforced concrete pipe (RCP) shall be a minimum of Class III pipe as designated in ASTM C−76.
- 13. Any relocation or modification of proposed storm sewer system shall not be made without the approval of the Engineer—of—
- 14. Drainage shall be maintained during construction. 15. All mitered end sections (M.E.S.) shall be per F.D.O.T. Index
- #272 unless otherwise noted. 16. Storm drain inlets and manholes shall be traffic bearing suitable for H-20 Loading.
- 17. The Contractor is responsible for repairing any damage to existing facilities, above or below ground, that may occur as a result of the work performed by the Contractor called for
- 18. All underground utilities must be in place and tested or inspected prior to base and surface construction
- 19. All inspections and documents referred to shall be of latest
- 20. The Contractor shall submitt for approval to the Owner's Engineer shop drawings on all precast and manufactured items. failure to obtain approval before installation may result in removal and replacement at Contractor's expense.
- 21. At least 3 working days prior to construction, the Contractor shall notify the Engineer and approriate Agencies and supply them with all required shop drawings, the Contractor, s name, starting date, projected schedule and other information as required. Any work performed prior to notifying the Engineer or without an Agency Inspector present may be subject to
- removal and replacement at the Contractor,s expense. 22. Mills & Associates, Inc. makes no representations or guaran tees pertaining to easements, rights of way, set back lines,
- reservations, agreements and other similar matters. 23. All mechanical equipment shall be screened.
- 24. SAFETY: A. During the construction and/or maintenance of this project, all safety regulations are to be enforced. The Contractor or his representative shall be responsible for the control and safety of the traveling public and
- the safety of his personnel. B. Labor safety regulations shall conform to the provisions set forth by OSHA in the Federal Register of the
- Department of Transportation. C. The minimum standards as set forth in the current edition of "The State of Florida, Manual on Traffic Control and Safe Practices for Street and Highway Construction, Maintenance and Utility Operations" shall be followed in the design application, installation, maintenance and removal of all traffic control devices, warning devices and barriers necessary to protect the public and workmen from hazards within the project
- D. All traffic control markings and devices shall conform to the provisions set forth in the manual on uniform traffic control devices prepared by the U.S. Department of Transportation Federal Highway Administration.

it shall be the sole responsibility of the Contractor to comply and enforce all applicable safety regulations. The above information has been provided for the Contractor's information only and does not imply the Owner or Engineer will inspect and/or enforce safety regulations.

CITY OF TAMPA INSPECTION REQUIREMENTS INSTRUCTION FOR TREE REMOVAL AND SITE

WHERE PROTECTED TREES ARE TO BE REMOVED DURING LAND ALTERATION AND SITE CLEARING PURSUANT TO SEC. 45-363 THROUGH 45-376 OF THE CITY OF TAMPA CODE, THE TREES TO BE REMOVED SHALL BE IDENTIFIED BY RED-FLAGGING, AND THE RIGHTS-OF-WAY OF PROPOSED ROADS, THE CORNERS OF PROPOSED BUILDINGS, THE LOCATION OF PROPOSED DRAINAGE BASINS, MAN-MADE LAKES, AREAS THAT REQUIRE FILL AND OTHER IMPROVEMENTS SHALL BE ROUGH STAKED AND PROTECTIVE BARRICADES INSTALLED PRIOR TO ON-SITE INSPECTION. IF UPON INSPECTION, TREES TO BE REMOVED. ROAD RIGHTS-OF-WAY. BUILDING CORNERS. FILL AREAS AND OTHER IMPROVEMENTS HAVE NOT BEEN IDENTIFIED, THE INSPECTION SHALL BE SUSPENDED UNTIL THESE PREPARATIONS HAVE BEEN COMPLETED.

TREE PROCTECTION STANDARDS (SEC. 13.164)

DEVELOPMENT ON PARCELS SHALL COMPLY WITH THE FOLLOWING TREE PROTECTION

- 1.) PROTECTIVE BARRICADES SHALL BE PLACED AROUND ALL PROTECTED TREES AND GRAND TREES DURING SITE CLEARING TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL LAND ALTERATION, SITE CLEARING AND CONSTRUCTION ACTIVITIES ARE COMPLETE. BARRICADES FOR THE PROTECTIVE ROOT ZONE SHALL BE ERECTED AT A MINIMUM DISTANCE OF TEN (10) FEET FROM THE EDGE OF TRUNK OF PROTECTED TREES AND TWENTY (20) FEET FROM THE EDGE OF TRUNK OF GRAND
- 2.) A MINIMUM DISTANCE OF TEN (10) FEET FROM ALL PROTECTED TREES AND TWENTY (20) FEET FROM ALL GRAND TREES SHALL BE MAINTAINED WHEN INSTALLING JNDERGROUND UTILITIES. IF THIS RESULTS IN UNREASONABLE HARDSHIP, A SOIL AUGER SHALL BE USED TO TUNNEL UNDER THE ROOT SYSTEMS.
- 3.) INSTALLATION OF ARTIFICIAL BARRIERS SUCH AS PROTECTIVE BARRICADES, FENCES, POSTS OR WALLS SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROJECTED TREES AND GRAND TREES. FOOTERS FOR WALLS SHALL END AT THE POINT WHERE LARGER ROOTS ARE ENCOUNTERED, AND THE ROOTS SHALL BE BRIDGED. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES OR GRAND TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
- 4.) ALL ROOTS TO BE REMOVED DURING THE SITE CLEARING PHASE SHALL BE SEVERED CLEAN AT THE PERIMETER OF THE DESIGNATED PROTECTIVE ROOT ZONE. 5.) A TWO-INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES AND GRAND TREES DURING THE SITE CLEARING PHASE. 6.) A PROTECTIVE DRY WELL AND DRAINAGE/AERATION SYSTEM SHALL BE PROVIDED
- WHERE PROTECTED TREES OR GRAND TREES WILL BE ADVERSELY AFFECTED BY RAISING THE GRADE. 7.) A PROTECTIVE RETAINING WALL SHALL BE CONSTRUCTED AT THE PERIMETER OF THE PROTECTIVE ROOT ZONE AROUND A PROTECTED TREE OR GRAND TREE WHERE THE
- 8.) ALL TRIMMING OF PROTECTED TREES AND GRAND TREES DURING DEVELOPMENT SHALL BE DONE BY A QUALIFIED, LICENSED TREE SERVICE.

PROTECTED TREE OR GRAND TREE WILL BE ADVERSELY AFFECTED BY LOWERING THE

INSPECTION FOR COMPLIANCE

EACH PERMIT FOR SITE CLEARING SHALL STATE THAT THE APPLICANT SHALL NOTIFY THE PARKS DEPARTMENT WITHIN FORTY-EIGHT (48) HOURS AFTER SITE CLEARING ACTIVITY HAS BEEN COMPLETED. THE PARKS DEPARTMENT SHALL INSPECT THE SITE, AND, IF THE DIRECTOR OF THE PARKS DEPARTMENT DETERMINES NO VIOLATIONS HAVE OCCURED, PARKS DEPARTMENT SHALL ISSUE A FINAL INSPECTION RELEASE. NO FUTHER DEVELOPMENT ACTIVITY OF ANY NATURE SHALL COMMENCE OR BE CARRIED OUT ON THE PARCEL THAT IS THE SUBJECT OF THE PERMIT FOR SITE CLEARING UNTIL THE FINAL RELEASE HAS BEEN ISSUED.

NOTE: NO SITE PREPARATION SHALL BEGIN UNTIL SITE INSPECTION REQUIREMENTS HAVE BEEN COMPLETED AND APPROVED. FAILURE TO MEET THESE REQUIREMENTS WILL RESULT IN STOP WORK ORDERS AND APPLICABLE REINSPECTION FEES BEING PAID. FOR ALL INSPECTIONS CALL 223-8257 - PARKS DEPARTMENT.

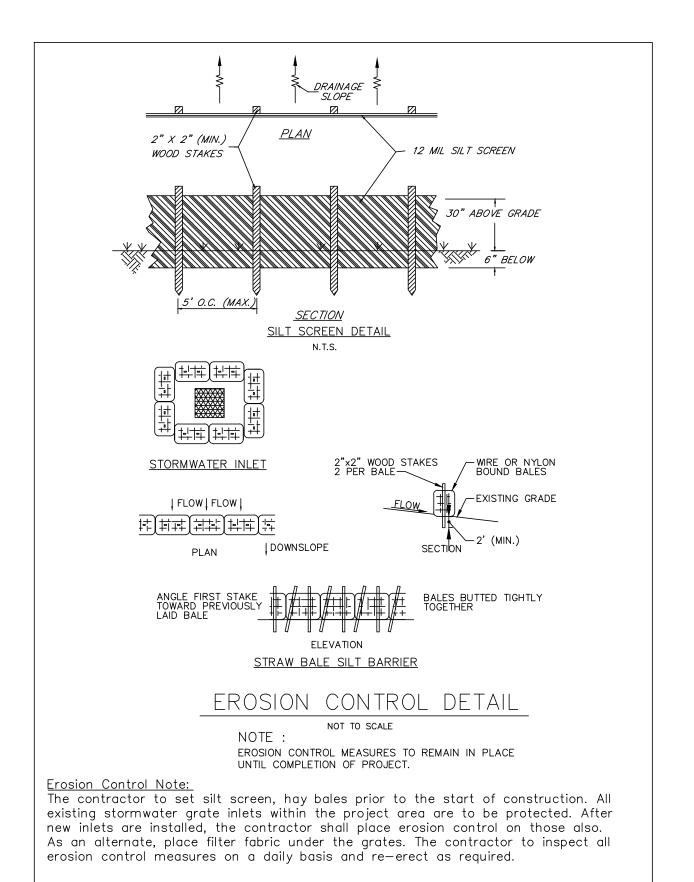
TREE PROTECTION

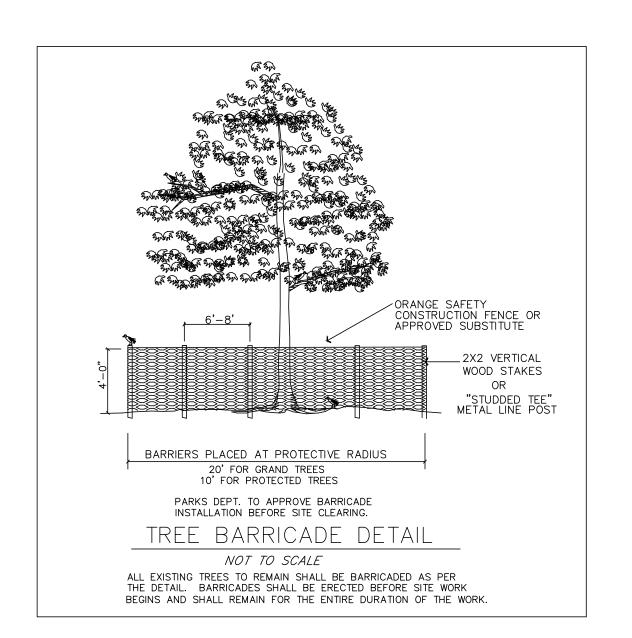
- 1.) ALL TREES TO REMAIN MUST BE PROTECTED BY BARRICADES TO MEET THE MINIMUM STANDARDS BY THE CITY OF TAMPA. PROTECTIVE BARRIERS MUST REMAIN IN PLACE UNTIL LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE COMPLETED. 2.) DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL TO REMOVE VEGETATION BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIPLINE OF THE TREE TO REMAIN ON THE SITE UNLESS OTHERWISE APPROVED BY THE
- 3.) IN ORDER TO MINIMIZE SOIL EROSION AND CONTRBUTE TO WATER QUALITY, PROPOSED LAND ALTERATION ACTIVITIES SHALL NOT UNNECESSARILY REMOVE EXISTING VEGETATION AND ALTER EXISTING TOPOGRAPHY. ADQUATE PROTECTION MEASURES SHALL BE PROVIDED, AS NECESSARY, TO MINIMIZE EROSION AND DOWNSTREAM SEDIMENTATION CAUSED BY SURFACE WATER RUNOFF ON EXPOSED LAND SURFACES.
- 4.) PAVEMENT AERATION WILL BE PROVIDED AROUND ALL PROTECTED TREES TO CREATE AN EFFECTIVE PERMEABLE RADIUS OF TEN FEET (10'). 5.) IN AREAS WHERE FILL IS TO BE PLACED IN OR AROUND PROTECTED TREES, DESIGNATED
- AREATION ZONES SHALL BE BARRICADED UNTIL SYSTEM IS INSTALLED 6.) A SOIL AUGER WILL BE USED TO BORE UNDER ROOT SYSTEMS WHEN UTILITIES ARE TO BE INSTALLED WITHIN 10 FEET (10') OF A PROTECTED TREE.
- 7.) PROTECTED TREES IN CONFLICT WILL BE RELOCATED ON SITE (UP TO 8" IN DIAMETER). 8.) ALL TRIMMING WILL BE DONE BY A QUALIFIED TREE SERVICE DURING DEVELOPMENT. CLEAN AT THE PERIMETER OF THE DESIGNATED PROTECTED RADIUS. 10.) NO SITE PREPARATION WORK SHALL BEGIN WHERE TREE PRESERVATION MEASURES

PROTECTIVE BARRICADE:

HAVE BEEN COMPLETED AND APPROVED.

A PHYSICAL STRUCTURE NOT LESS THAN (3') FEET IN HEIGHT, LIMITING ACCESS TO PROTECTED TREES AND GRAND TREES, A SUITABLE PROTECTIVE BARRIER MAY BE COMPOSED OF WOOD OR OTHER MATERIAL WHICH INSURES PROTECTION OF THE PROTECTED TREES AND





BID SET 11/04/13

DESCRIPTION BY DATE DESCRIPTION BY DATE

REVISIONS

MILLS and ASSOCIATES, INC. CONSULTING ENGINEERS & LAND SURVEYORS

3242 HENDERSON BOULEVARD - SUITE 300 TAMPA, FLORIDA 33609-3056 TELEPHONE: (813) 876-5869

FOR CITY OF TAMPA

PARKS AND RECREATION DEPARTMENT 3402 W. COLUMBUS DRIVE TAMPA, FL 33607

DRWN BY: ____CVM___ DATE 10/16/13 DSGN BY: ___CVM___ DATE 10/16/13 CHKD BY: <u>LEM</u> DATE 10/16/13

SCALE: 1"=20'

PROJECT

LAWRENCE E. MILLS

P.E. NO. 22324 - E.B. NO. 3860 P.L.S. NO. 3141 - L.B. NO. 3868

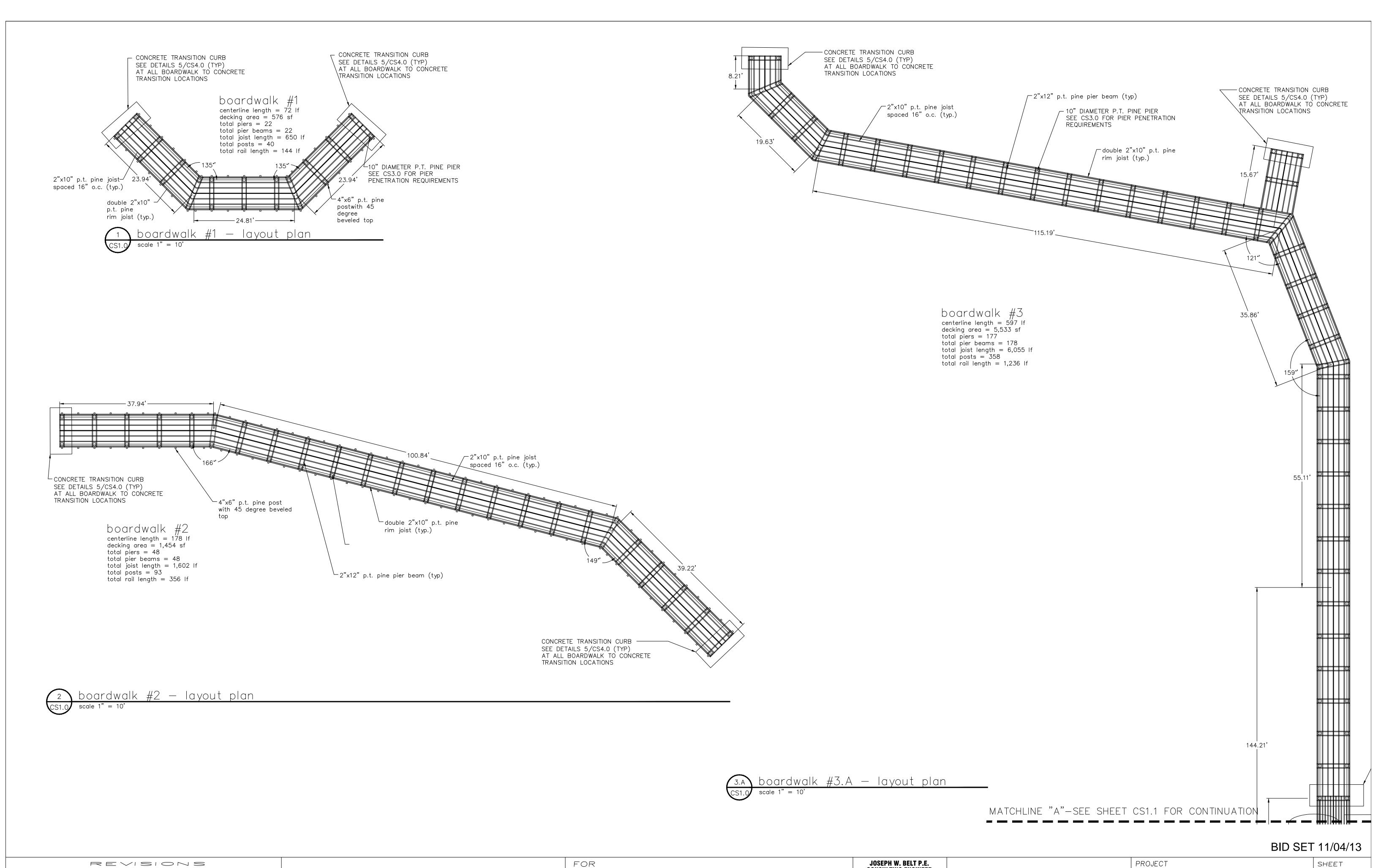
STATE OF FLORIDA

OSBORNE AVENUE POND PROPOSED BOARDWALK

JOB NO. 13-016

SHEET

CIVIL DETAILS & NOTES



BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION

MILLS and ASSOCIATES, INC.

CONSULTING ENGINEERS & LAND SURVEYORS

3242 HENDERSON BOULEVARD — SUITE 300

TAMPA, FLORIDA 33609—3056

TELEPHONE: (813) 876—5869

CITY OF TAMPA
PARKS AND RECREATION DEPARTMENT

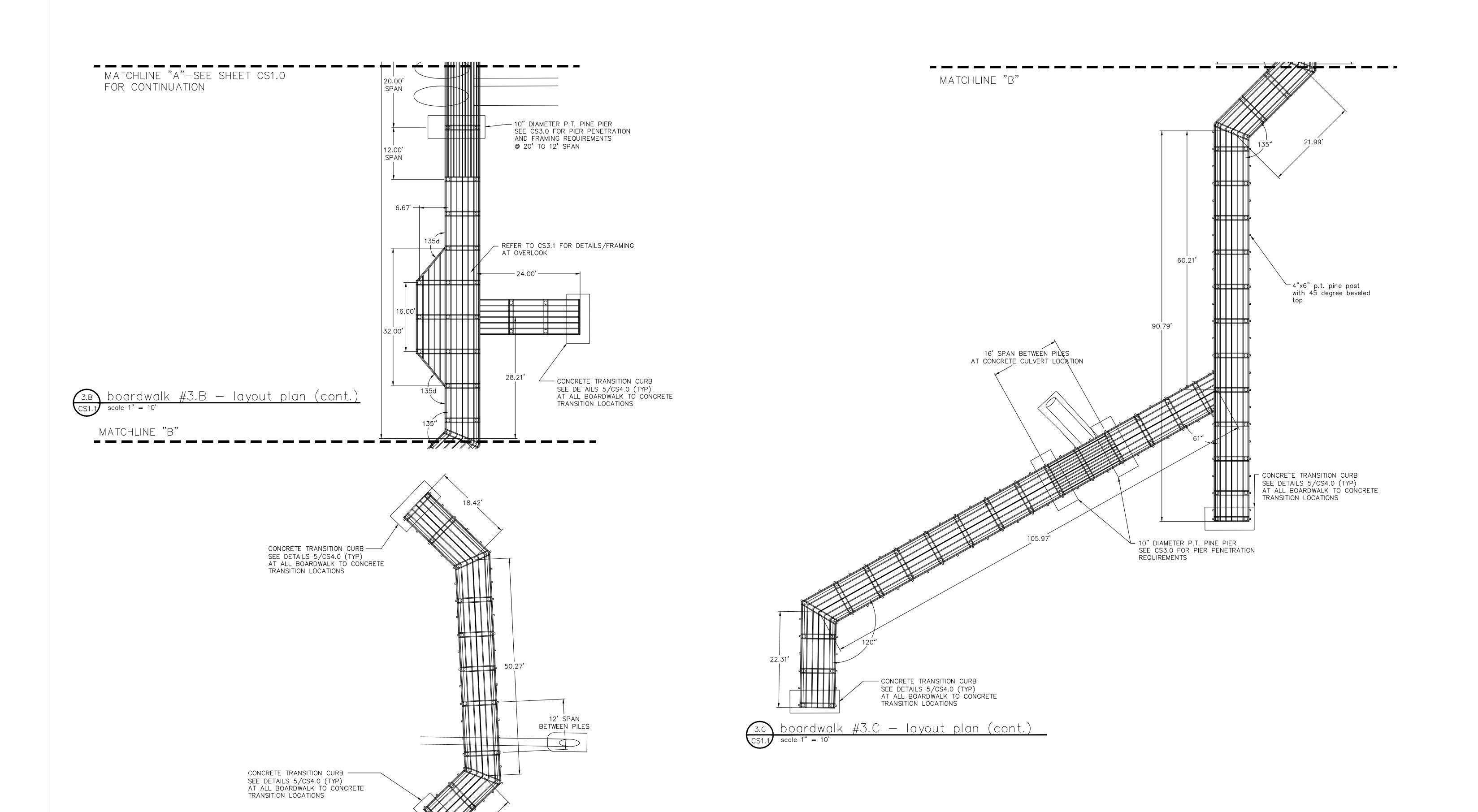
3402 W. COLUMBUS DRIVE
TAMPA, FL 33607

CONSULTING ENGINEER REGISTRATION NUMBER 45147
5004—C W. LINEBAUGH AVE. TAMPA FLORIDA 33624 PHONE: (813) 961—3075 FAX: (813) 961—1031 email: jbelt@beltengineering.com
I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL OF THE STRUCTURAL ELEMENTS AND SYSTEMS FOR THIS STRUCTURE HAVE BEEN DESIGNED TO BE IN COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE. ALL OTHER ELEMENTS, SYSTEMS AND ASSEMBLIES ARE THE TOTAL RESPONSIBILITY OF OTHERS.

OSBORNE AVENUE POND PROPOSED BOARDWALK

BOARDWALK LAYOUT PLAN DETAILS

јов NO. 13-016



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BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION

MILLS and ASSOCIATES, INC. CONSULTING ENGINEERS & LAND SURVEYORS 3242 HENDERSON BOULEVARD — SUITE 300 TAMPA, FLORIDA 33609—3056

boardwalk #4 — layout plan

CITY OF TAMPA PARKS AND RECREATION DEPARTMENT 3402 W. COLUMBUS DRIVE TAMPA, FL 33607

FOR

JOSEPH W. BELT P.E. CONSULTING ENGINEER REGISTRATION NUMBER 45147
5004-C W. LINEBAUGH AVE. TAMPA FLORIDA 33624 PHONE: (813) 961-3075 FAX: (813) 961-1031 email: jbelt@beltengineering.com
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PROJECT OSBORNE AVENUE POND PROPOSED BOARDWALK

JOB NO. 13-016

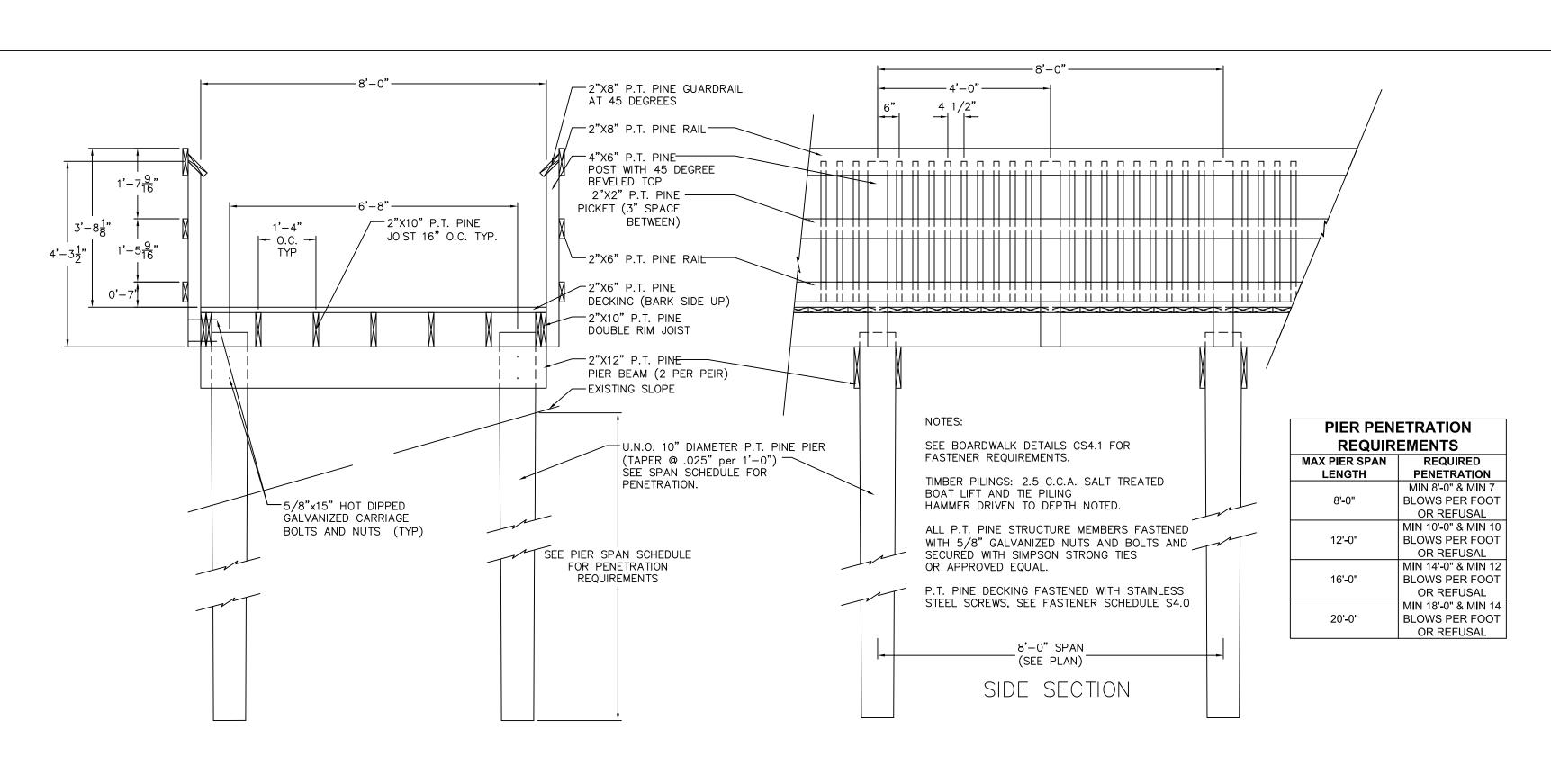
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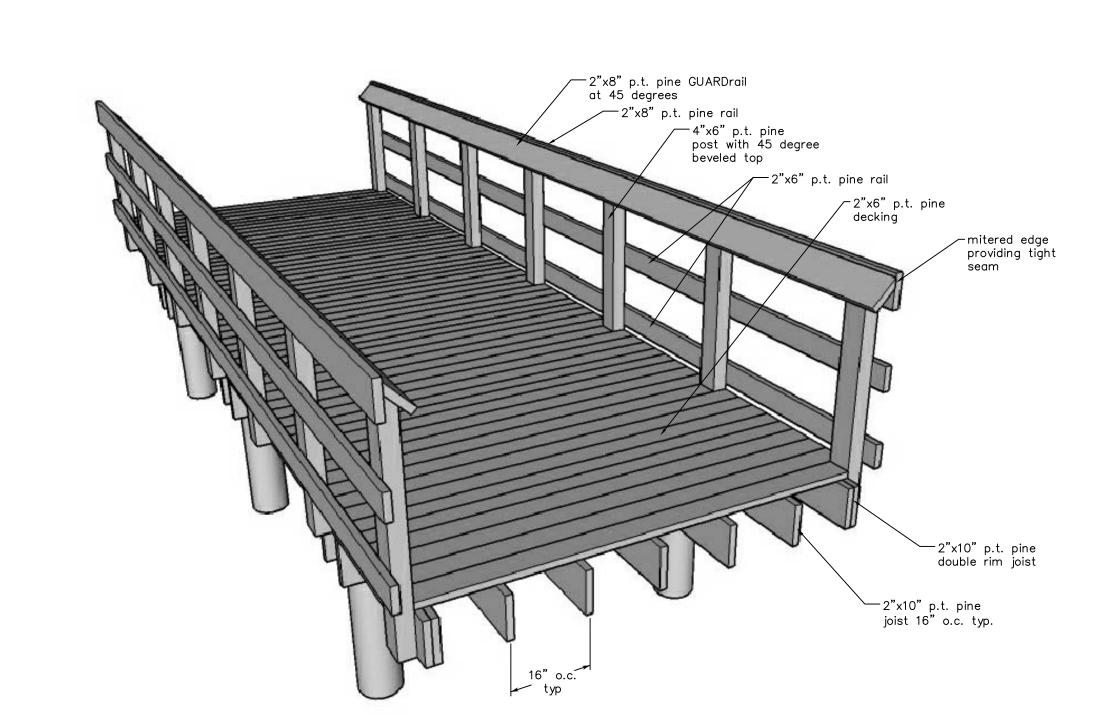
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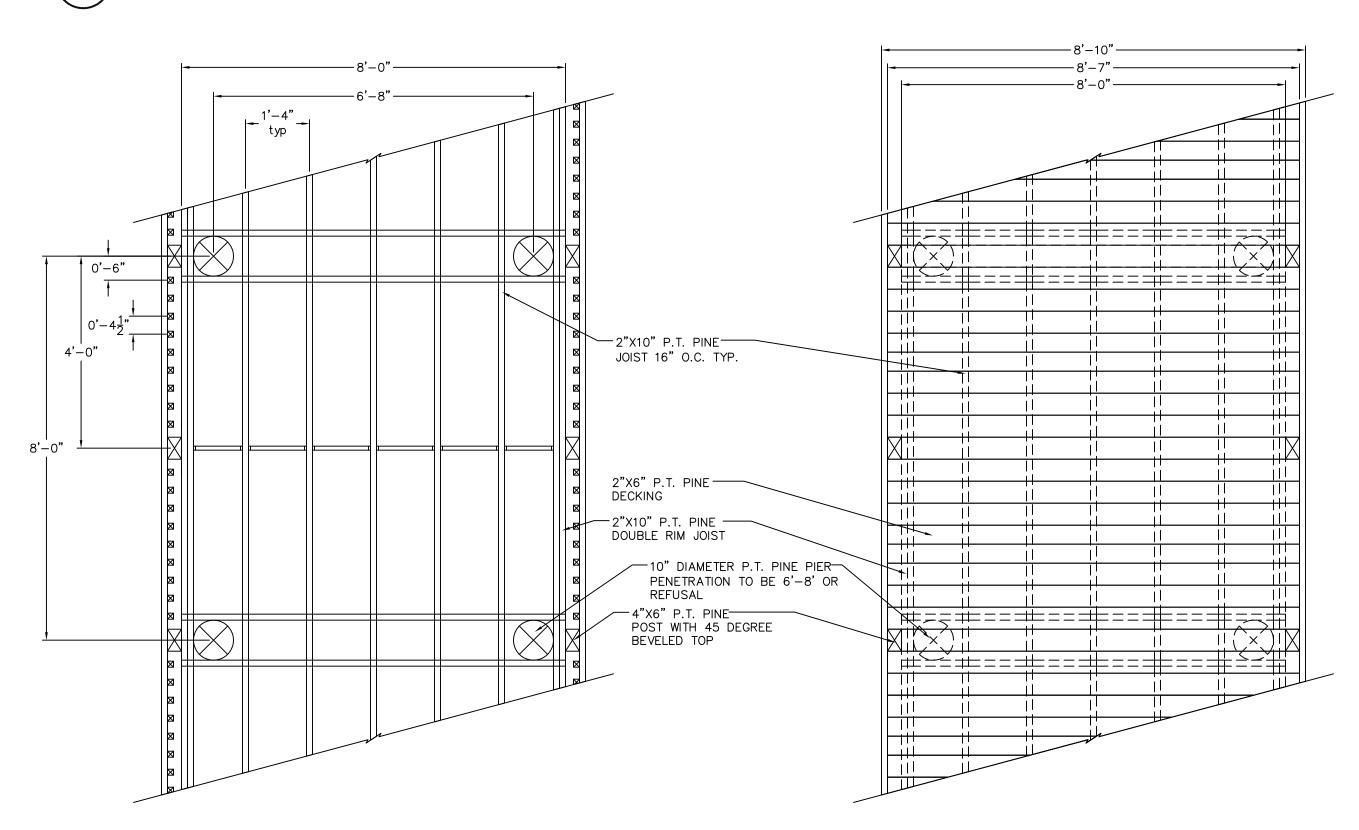
BOARDWALK LAYOUT PLAN DETAILS





PROPOSED 8'-0" BOARDWALK FRAMING DETAILS - TYPICAL SECTION VIEWS

scale 1/2" = 1'-0"



FRAMING PLAN

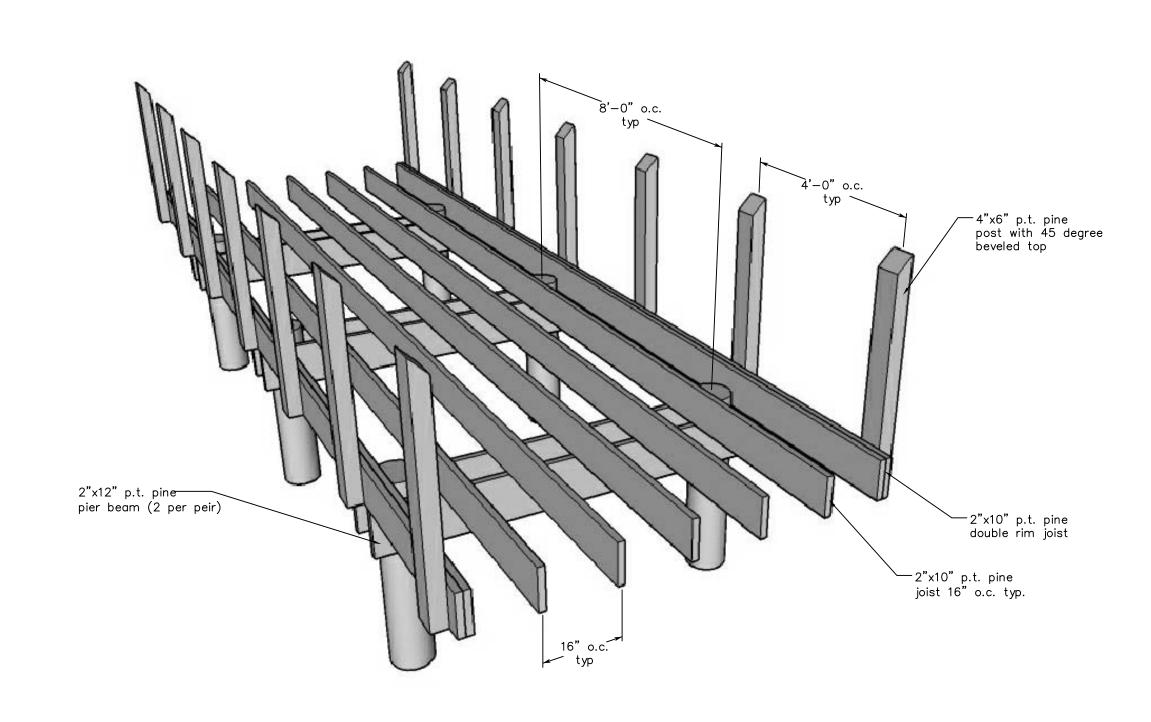
PLAN VIEW WITH DECKING

FOR

PROPOSED 8'-0" SPAN BOARDWALK FRAMING DETAILS - TYPICAL PLAN VIEWS

scale 1/2" = 1'-0"





PROPOSED BOARDWALK — TYPICAL 8' SPAN SCHEMATIC FRAMING VIEW

BID SET 11/04/13

SHEET

		REVIS	S 1 9	0	7 (5)
BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION

MILLS and ASSOCIATES, INC.

CONSULTING ENGINEERS & LAND SURVEYORS
3242 HENDERSON BOULEVARD — SUITE 300
TAMPA, FLORIDA 33609—3056

TELEPHONE: (813) 876—5869

CITY OF TAMPA
PARKS AND RECREATION DEPARTMENT

3402 W. COLUMBUS DRIVE
TAMPA, FL 33607

JOSEPH W. BELT P.E. CONSULTING ENGINEER REGISTRATION NUMBER 45147
5004—C W. LINEBAUGH AVE. TAMPA FLORIDA 33624 PHONE: (813) 961—3075 FAX: (813) 961—1031 email: jbelt@beltengineering.com
I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL OF THE STRUCTURAL ELEMENTS AND SYSTEMS FOR THIS STRUCTURE HAVE BEEN DESIGNED TO BE IN COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE. ALL OTHER ELEMENTS, SYSTEMS AND ASSEMBLIES ARE THE TOTAL RESPONSIBILITY OF OTHERS.

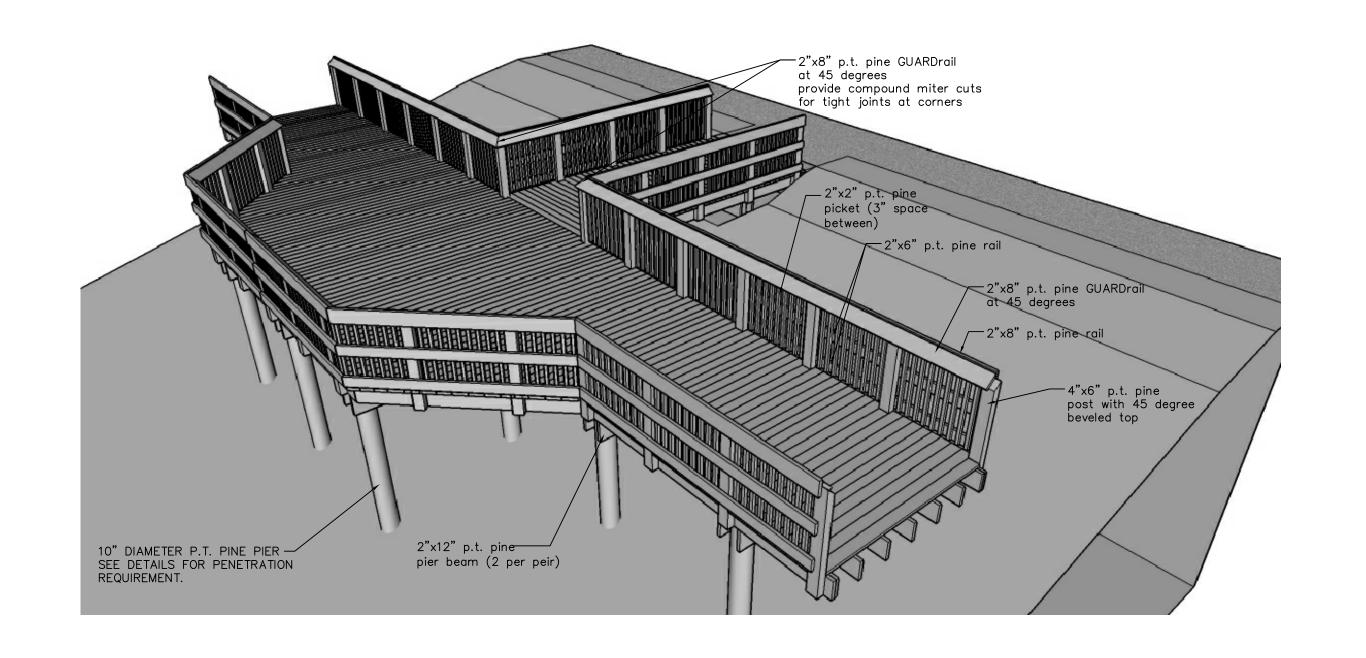
OSBORNE AVENUE POND PROPOSED BOARDWALK

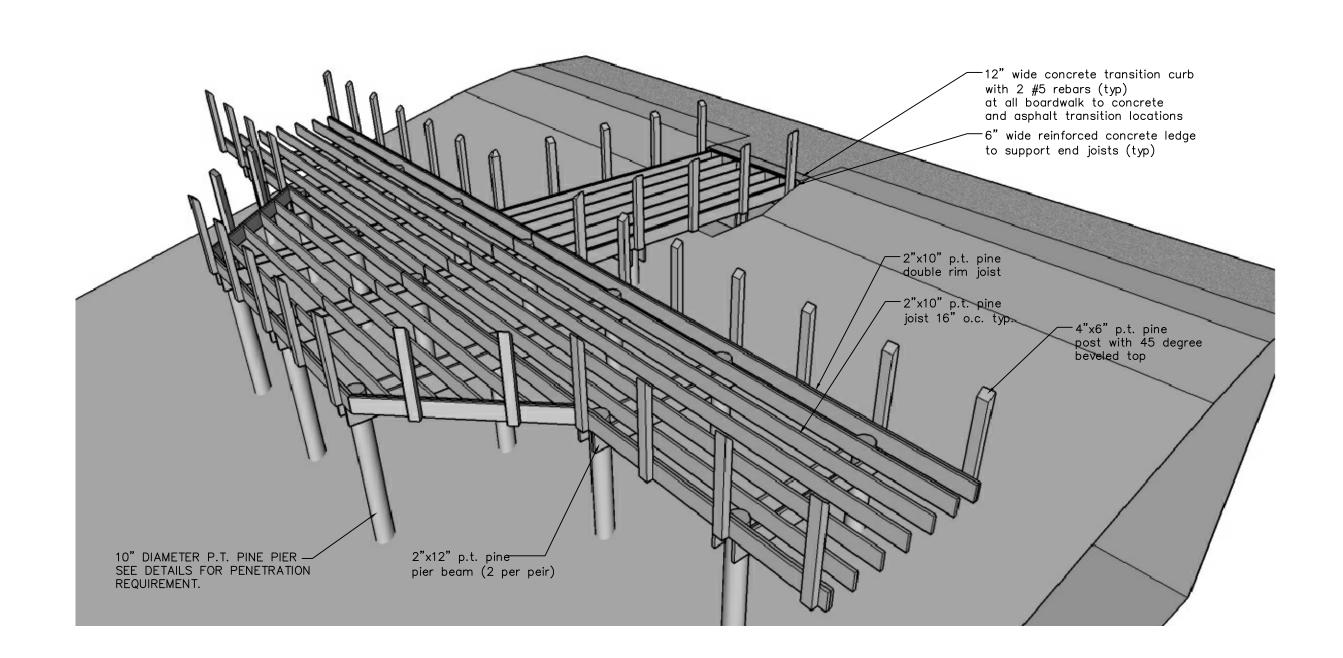
PROJECT

JOB NO.

13-016

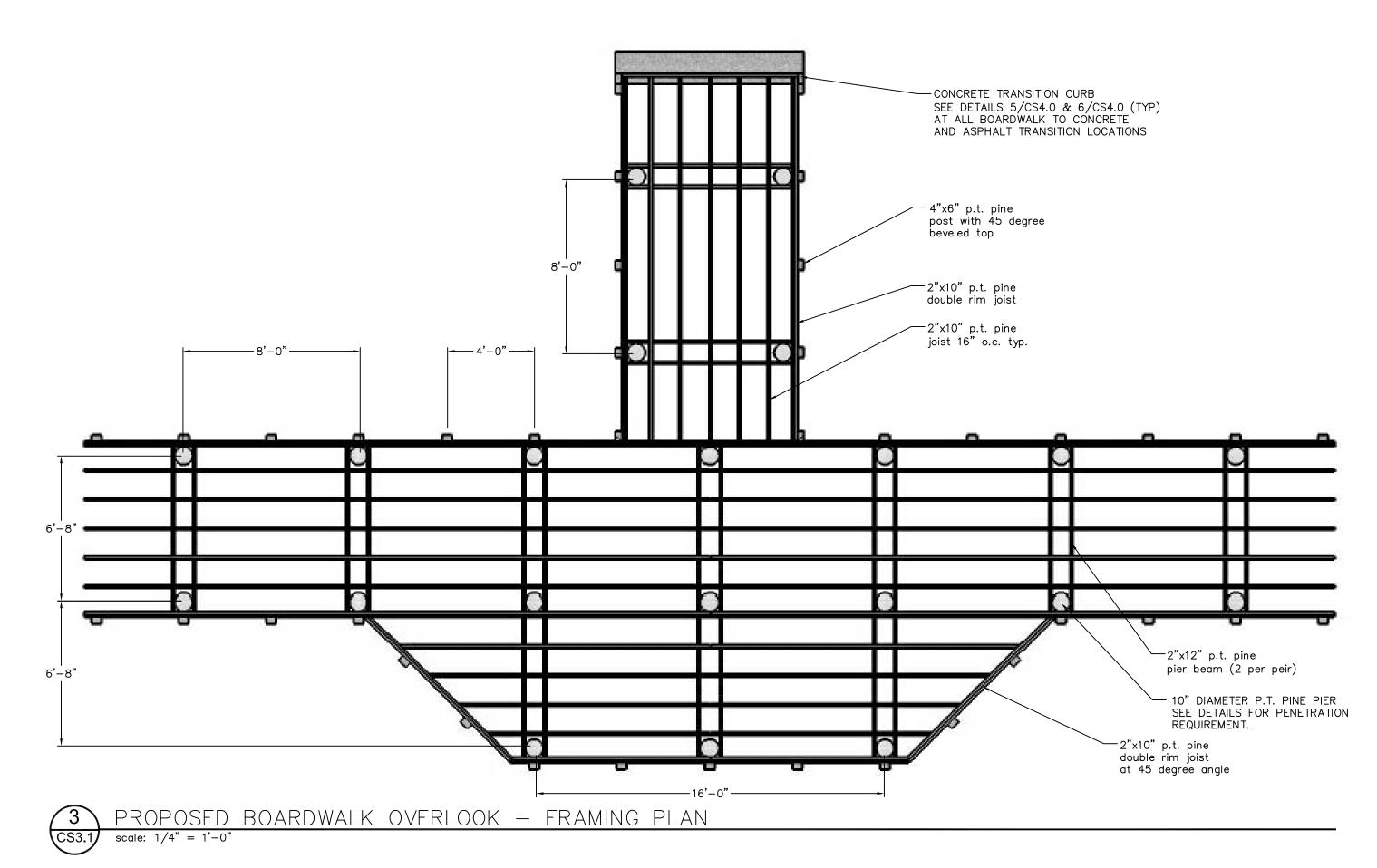
BOARDWALK FRAMING DETAILS

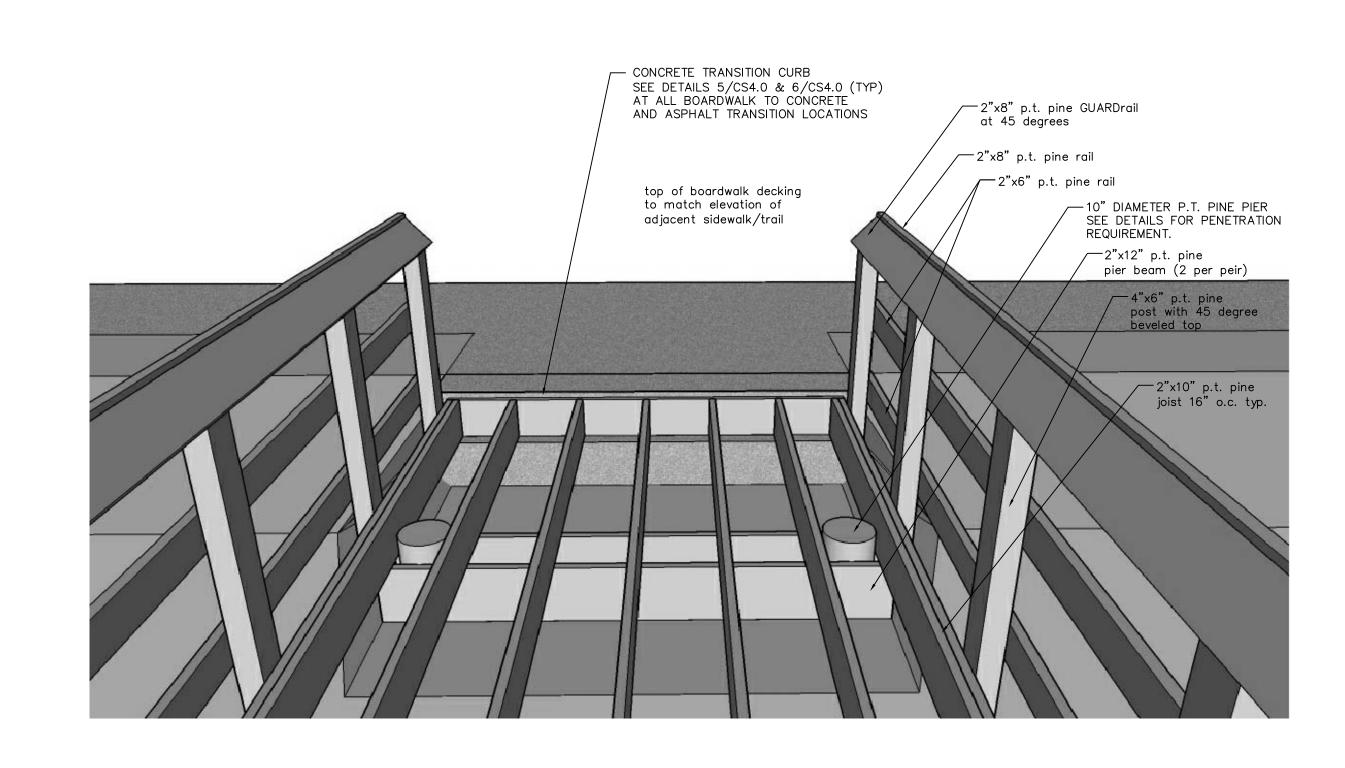




PROPOSED BOARDWALK OVERLOOK — SCHEMATIC VIEW scale: n.t.s.

PROPOSED BOARDWALK OVERLOOK — SCHEMATIC FRAMING VIEW scale: n.t.s.





PROPOSED BOARDWALK - CONNECTION TO SIDEWALK SCHEMATIC VIEW scale: n.t.s.

BY DATE DESCRIPTION BY DATE DESCRIPTION

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PROJECT

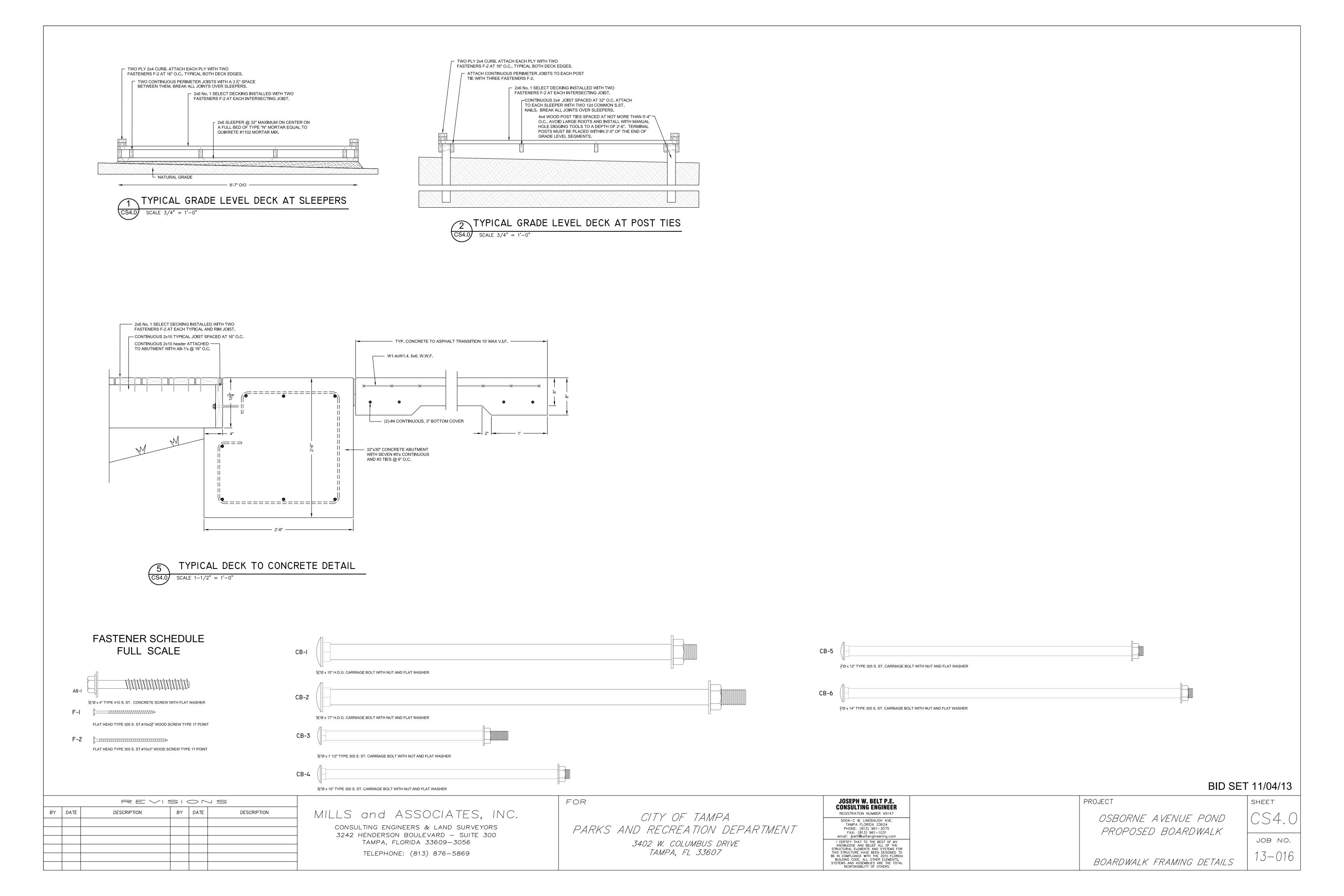
OSBORNE AVENUE POND

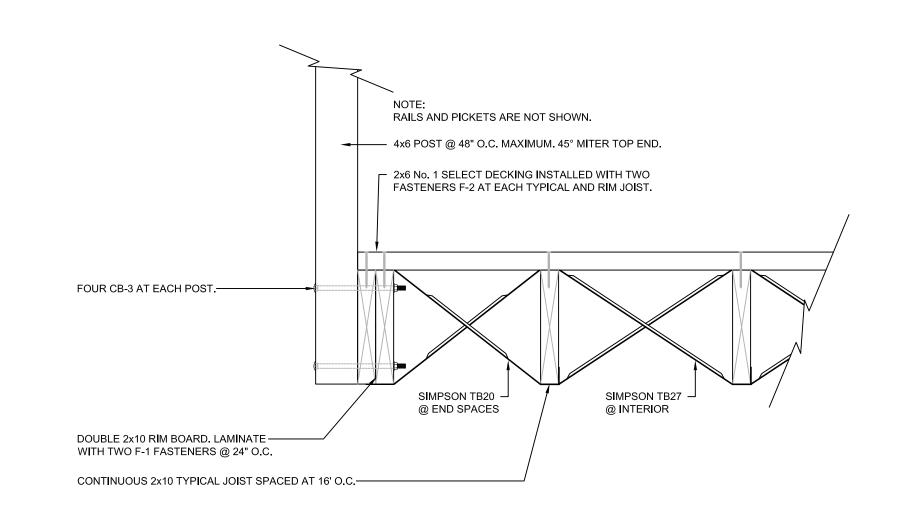
PROPOSED BOARDWALK

OVERLOOK FRAMING DETAILS

CS3.1 JOB NO. 13-016

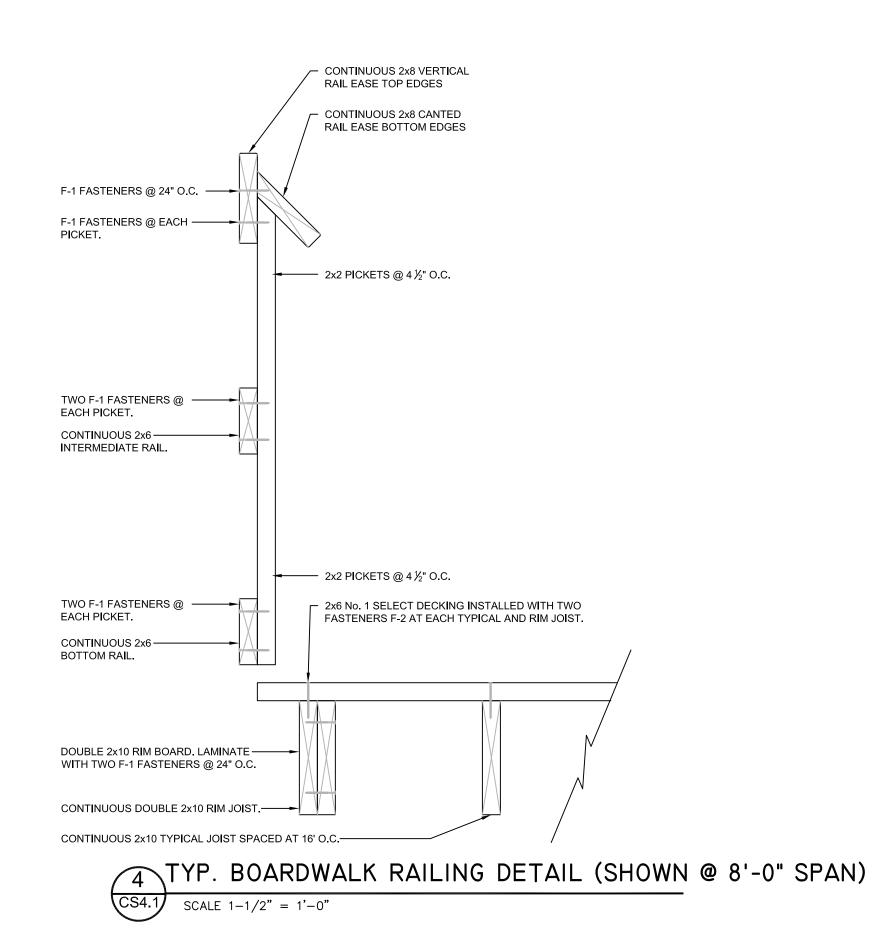
SHEET





TYP BOARDWALK INTERIOR JOIST BRACING DETAIL

SCALE 1-1/2" = 1'-0"



REVISIONS

BY DATE

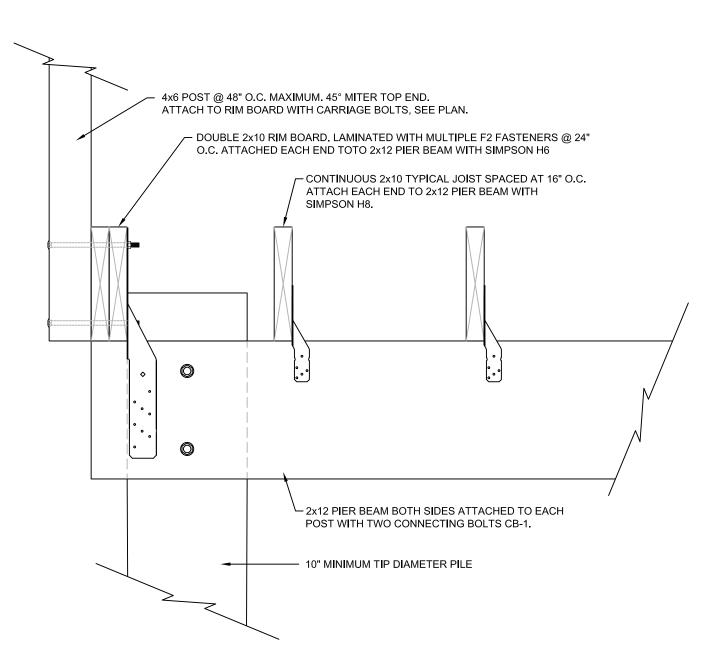
DESCRIPTION

DOUBLE 2x10 RIM BOARD. LAMINATED WITH TWO F-1 FASTENERS @ 24* O.C. ATTACHED EACH END TOTO 2x12 PIER BEAM WITH SIMPSON HB

CONTINUOUS 2x12 PIER BEAM WITH SIMPSON HB

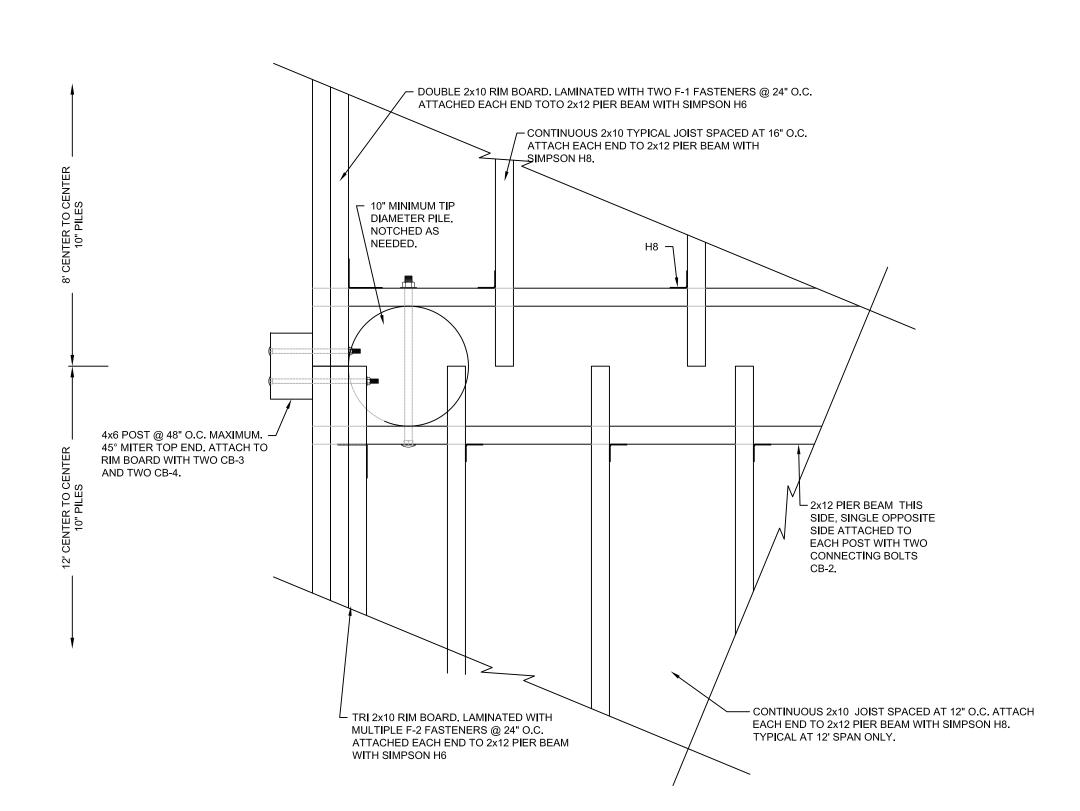
10* MINIMUM TIP DIAMETER PILE AND PI

TYP. 8'-0" SPAN BOARDWALK FRAMING PLAN DETAIL



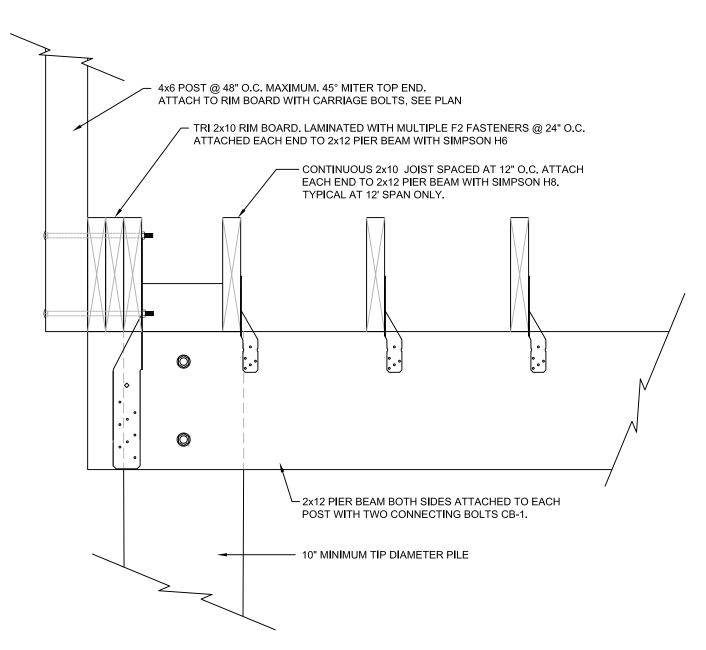
FOR

8'-0" SPAN BOARDWALK JOIST FRAMING DETAIL



3 12'-0" TO 8'-0" SPAN BOARDWALK FRAMING PLAN DETAIL

SCALE 1-1/2" = 1'-0"



6 12'-0" SPAN BOARDWALK JOIST FRAMING DETAIL

CS4.1 SCALE 1-1/2" = 1'-0"

MILLS
CONS 3242

MILLS and ASSOCIATES, INC.

CONSULTING ENGINEERS & LAND SURVEYORS

3242 HENDERSON BOULEVARD — SUITE 300

TAMPA, FLORIDA 33609—3056

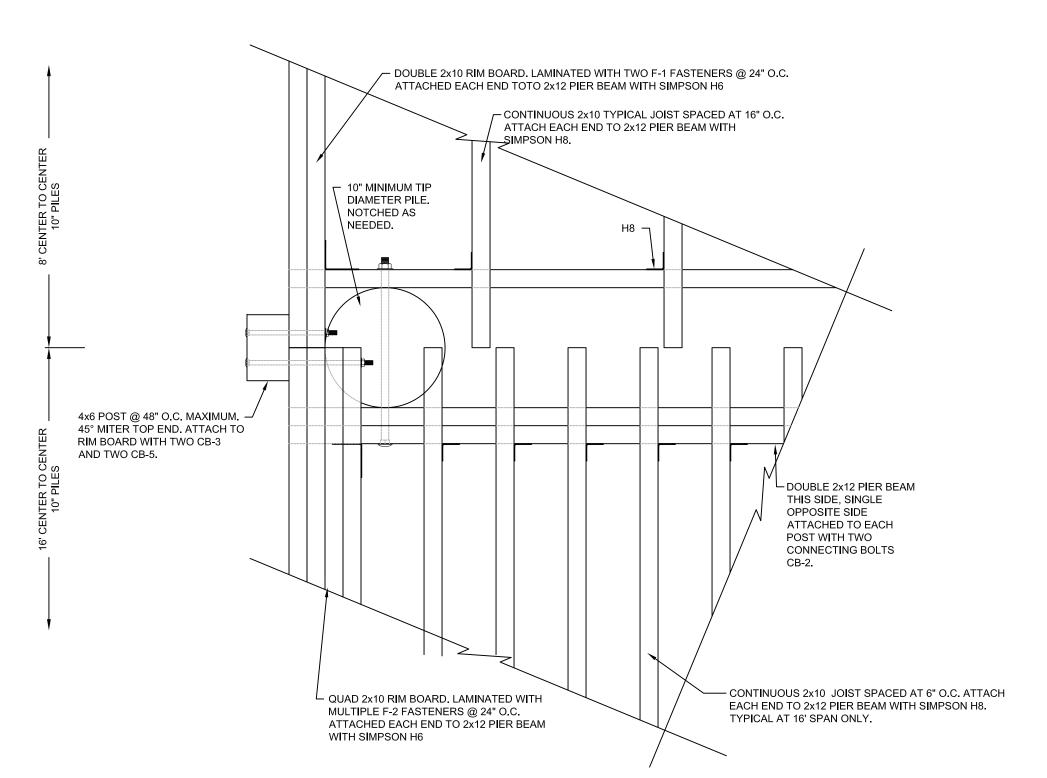
TELEPHONE: (813) 876-5869

CITY OF TAMPA
PARKS AND RECREATION DEPARTMENT

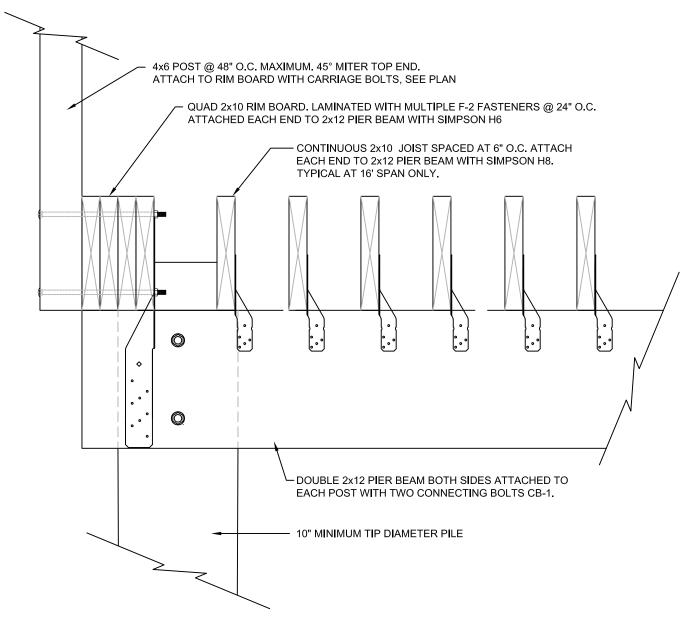
3402 W. COLUMBUS DRIVE
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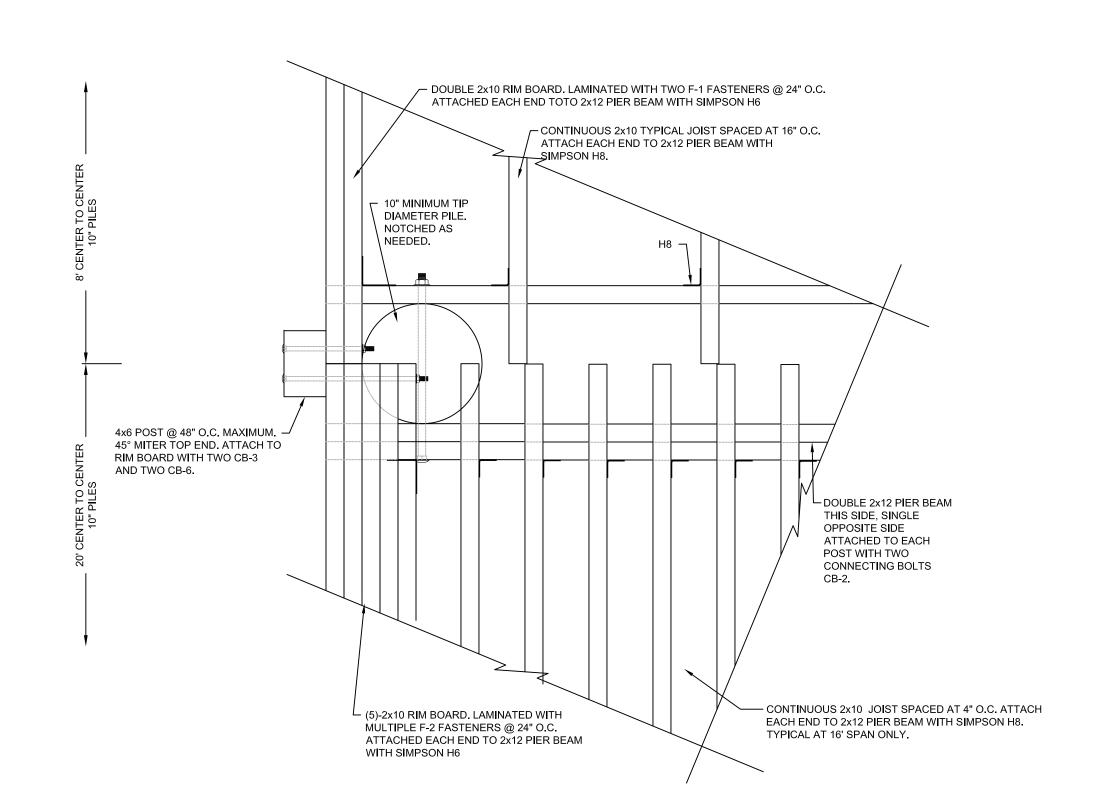
PROJECT	SHEET
OSBORNE AVENUE POND PROPOSED BOARDWALK	CS4.
771010000000000000000000000000000000000	JOB NO
BOARDWALK FRAMING DETAILS	13-01



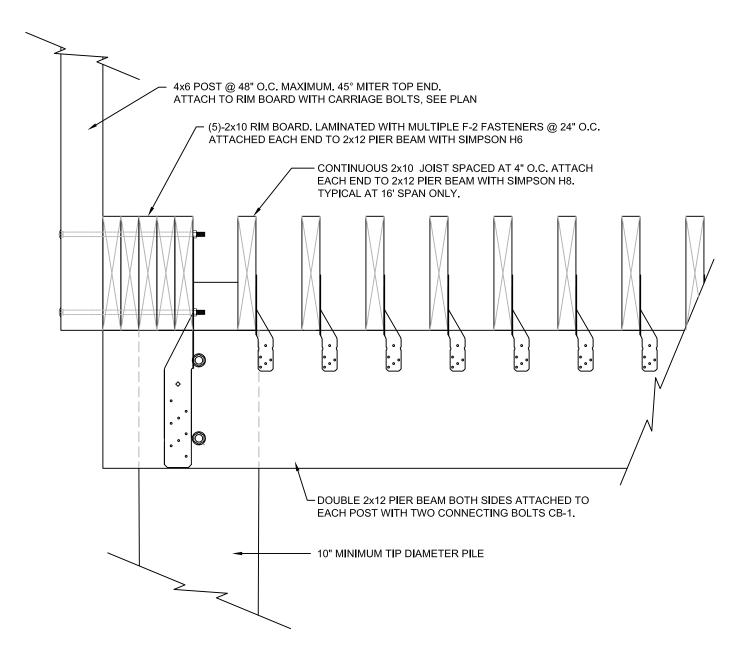




16'-0" SPAN BOARDWALK JOIST FRAMING DETAIL CS4.2 SCALE 1-1/2" = 1'-0"



20'-0" TO 8'-0" SPAN BOARDWALK FRAMING PLAN DETAIL



1 20'-0" SPAN BOARDWALK JOIST FRAMING DETAIL CS4.2 SCALE 1-1/2" = 1'-0"

		REVIS	S 1 () r	7 5
BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION

MILLS and ASSOCIATES, INC. CONSULTING ENGINEERS & LAND SURVEYORS 3242 HENDERSON BOULEVARD - SUITE 300 TAMPA, FLORIDA 33609-3056

TELEPHONE: (813) 876-5869

CITY OF TAMPA PARKS AND RECREATION DEPARTMENT 3402 W. COLUMBUS DRIVE TAMPA, FL 33607

FOR

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PROJECT OSBORNE AVENUE POND PROPOSED BOARDWALK

CS4.2 JOB NO. 13-016

SHEET

BID SET 11/04/13

BOARDWALK FRAMING DETAILS