



# CITY OF GAINESVILLE ALFRED A. RING PARK

CLIENT:  
**CITY OF GAINESVILLE**  
200 EAST UNIVERSITY AVENUE  
GAINESVILLE, FL 32601

CONSULTANT:  
**MANUEL SYNALOVSKI**  
AA0011628

AA 26001863

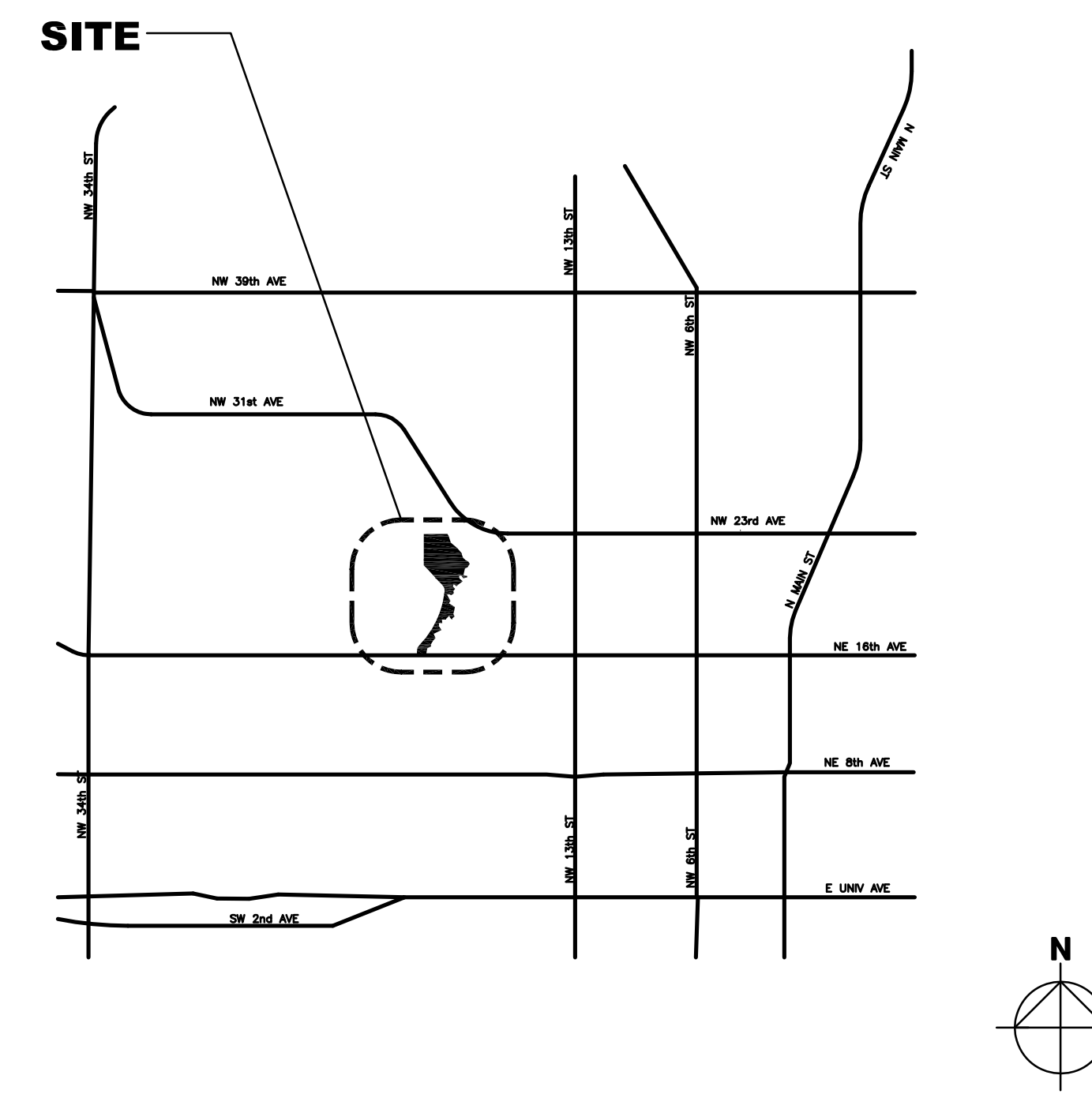
AA 26001863

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**PROJECT SCOPE**  
THE SCOPE OF THIS PROJECT IS REMOVE AND REPLACE THE EXISTING BOARDWALK SYSTEMS LOCATED AT ALFRED A. RING PARK. ALL NEW BOARDWALKS WILL BE REPLACING EXISTING ONES LEAVING THE GROUND COVERAGE SIMILAR AT PROJECT COMPLETION. TREE REMOVAL WILL ALSO BE PART OF THIS SCOPE AS DESCRIBED WITHIN THE DRAWING SET.

**CITY OF GAINESVILLE**  
**ALFRED A. RING PARK**  
1801 NW 23RD BOULEVARD  
GAINESVILLE, FLORIDA 32605  
CLIENT: CITY OF GAINESVILLE

REVISIONS

REV	DATE	DESCRIPTION

DESIGN DELIVERABLE: ISSUE TYPE  
ISSUE DATE: 01/03/11

PROJECT NUMBER: 1081-100718  
DRAWN BY: MS  
CHECKED BY: MR

SHEET TITLE:  
**COVER SHEET**

SHEET NUMBER:  
**G-001**

15	ELM TREE DIA. IN INCHES (TYP)		EARTHEN TRAIL
	HICKORY TREE		EARTHEN TRAIL TO BE ABANDONED
	MAPLE TREE		NEW EARTHEN TRAIL TO LEAD TO MODIFIED BOARDWALK
	MAGNOLIA TREE		NEW WOODEN BOARDWALK
	OAK TREE		EXISTING WOODEN BOARDWALK TO BE REMOVED
	PINE TREE		FENCES
	SWEETGUM TREE		BOARDWALK SPOT ELEVATION
	MISC. HARDWOOD TREES		SANITARY MANHOLE
	ELEVATION CONTOUR LINE		SANITARY SEWER LINE
	BOARDWALK IDENTIFIER		

- 1. ALL WOOD MEMBERS TO BE PREDRILLED AND BOLTED THRU, UNLESS NOTED OTHERWISE.
- 2. NO BOLT HOLES TO BE MORE THAN 2" FROM END OF WOOD MEMBERS.
- 3. BOLTS TO BE PLACED ON CENTERLINE OF WOOD MEMBERS OR 1-1/2" FROM EDGE, AS APPLICABLE.
- 4. USE (2) WASHERS AND NUTS AT EACH THRU BOLT. USE (1) WASHER AT EACH CARRIAGE BOLT.
- 5. DECK BOARDS TO BE CAREFULLY SELECTED AND PLACED TO A TOLERANCE OF NOT MORE THAN 1/8" VARIATION IN LEVEL SURFACE AT ADJACENT BOARD EDGES.
- 6. ALL DECKING SHOULD BE INSTALLED WITH A 3/16" GAP BETWEEN BOARDS.
- 7. ALL WOOD SHALL BE INSTALLED WITH THE CROWN OF THE BOARD FACING DOWN.
- 8. BEVEL ALL EXPOSED EDGES AND REMOVE SNAG HAZARDS ON TO-RAIL AND BENCH.
- 9. THE CONTRACTOR MUST FIELD VERIFY ALL FASTENER TYPES AND SIZES PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- 10. ALL SCREWS SHALL BE COATED WITH A LIFETIME PROTECTION. DESIGN STANDARD SHALL BE PHILLIPS II HIGH PERFORMANCE DURAFAST CORING WITH LIFETIME GUARANTEE OUTDOOR SCREW.
- 11. NAILS SHALL NOT BE USED TO CONNECT WOOD MEMBERS.
- 12. ALL AREAS DISTURBED DURING CONSTRUCTION MUST BE MULCHED WITH PINE BARK MULCH.

BDWK	DEMO	NEW
1	-	-
2	1/A-201	3/A-201
3	2/A-201	4/A-201
4	1/A-202	6/A-202
5	2/A-201	4/A-201
6	1/A-203	2/A-203
7	2/A-202	7/A-202
8	3/A-202	8/A-202
9	4/A-202	9/A-202
10	1/A-204	2/A-204
11	1/A-204	2/A-204
12	5/A-202	10/A-202
13	1/A-205	2/A-205

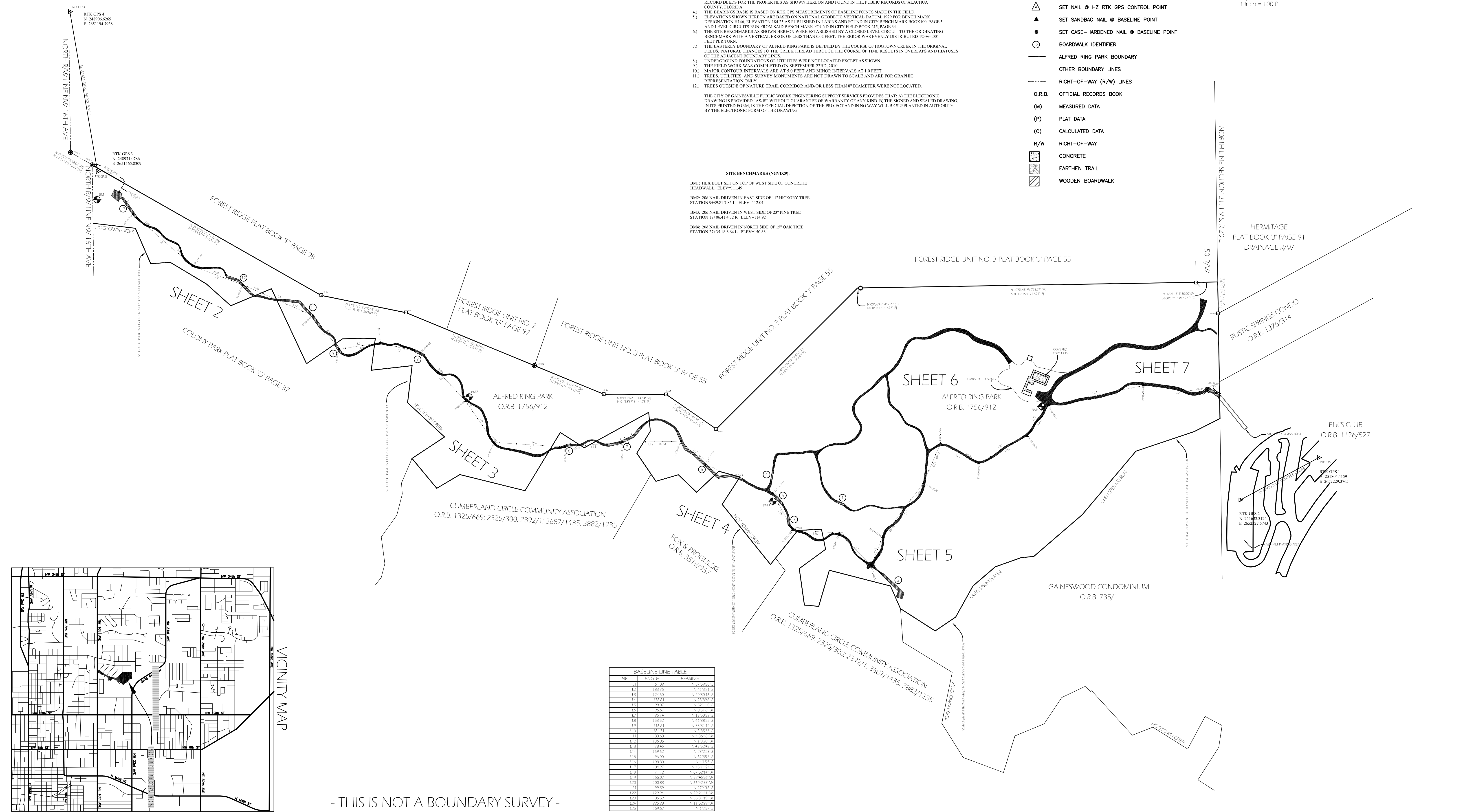
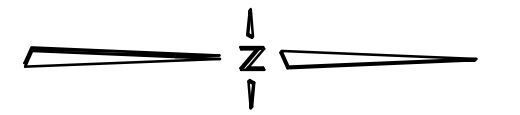
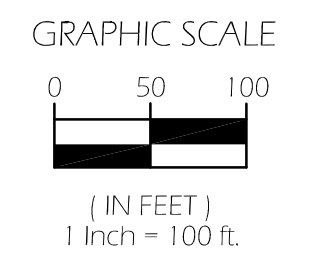
G-001	COVER SHEET
-	SURVEY
ES-101	EROSION CONTROL PLAN
A-201	NEW AND DEMO BOARDWALKS 1, 3, & 5
A-202	NEW AND DEMO BOARDWALKS 4, 7, 8, 9, & 12
A-203	NEW AND DEMO BOARDWALK 6
A-204	NEW AND DEMO BOARDWALKS 10 & 11
A-205	NEW AND DEMO BOARDWALK 13
A-301	SPANNING SECTIONS
L-200	TREE MITIGATION INDEX SHEET
L-201	TREE MITIGATION PLAN
L-202	TREE MITIGATION PLAN
L-203	TREE MITIGATION PLAN
L-204	TREE MITIGATION PLAN
L-205	TREE MITIGATION PLAN
S-101	STRUCTURAL DETAILS
S-102	STRUCTURAL DETAILS
S-103	STRUCTURAL DETAILS

- SURVEYOR'S NOTES:**
- 1.) THIS SPECIFIC PURPOSE OF THIS SURVEY IS TO SHOW LIMITED TOPOGRAPHIC FEATURES AS THEY EXIST IN THE FIELD AS OF SEPTEMBER 2010 FOR THE EARTHEN PATH & BOARDWALK ROUTE IN THE CITY OF GAINESVILLE'S ALFRED RING PARK BETWEEN NW 16TH AVENUE AND THE ELKS CLUB LODGE AT NW 23RD AVENUE FOR THE PURPOSE OF RECONSTRUCTING AND POSSIBLY REALIGNING BOARDWALKS AND THE PLACEMENT OF LANDSCAPING FEATURES. IT IS INTENDED TO BE CONSISTENT WITH THE DEFINITION OF A RECONNAISSANCE SURVEY FOUND IN "TERMS OF SURVEYING AND ASSOCIATED TERMS" © 1972, 1978 AMERICAN CONGRESS ON SURVEYING AND MAPPING AND AMERICAN SOCIETY OF CIVIL ENGINEERS.
  - 2.) THE INFORMATION SHOWN ON THIS SPECIFIC PURPOSE SURVEY IS FOR REFERENCE ONLY AND FOR THE EXCLUSIVE USE OF THE CITY OF GAINESVILLE DEPARTMENT OF NATURE OPERATIONS AND THEIR AGENTS AND IS NOT INTENDED FOR ANY USE OTHER THAN THE PURPOSE STATED ABOVE. IT IS NOT COMPLETE WITHOUT ALL SIX SHEETS.
  - 3.) THE BOUNDARY DATA SHOWN ON THIS SURVEY IS BASED ON THE PLATS OF THE SURROUNDING SUBDIVISIONS AND THE RECORD DEEDS FOR THE PROPERTIES AS SHOWN HEREON AND FOUND IN THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.
  - 4.) THE BEARING IS BASED ON RTK GPS MEASUREMENTS OF BASELINE POINTS MADE IN THE FIELD.
  - 5.) ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM, 1929 FOR BENCH MARK DESIGNATION H146, ELEVATION 184.25 AS PUBLISHED IN LABINS AND FOUND IN CITY BENCH MARK BOOK 100, PAGE 5 AND LEVEL CIRCUITS RUN FROM SAID BENCH MARK FOUND IN CITY FIELD BOOK 215, PAGE 34.
  - 6.) THE SITE BENCHMARKS AS SHOWN HEREON WERE ESTABLISHED BY A CLOSED LEVEL CIRCUIT TO THE ORIGINATING BENCHMARK WITH A VERTICAL ERROR OF LESS THAN 0.02 FEET. THE ERROR WAS EVENLY DISTRIBUTED TO +/- .001 FEET PER TURN.
  - 7.) THE EASTERLY BOUNDARY OF ALFRED RING PARK IS DEFINED BY THE COURSE OF HOGTOWN CREEK IN THE ORIGINAL DEED. NATURAL CHANGES TO THE CREEK THREAD THROUGH THE COURSE OF TIME RESULTS IN OVERLAPS AND HATHUSES OF THE ADJACENT BOUNDARY LINES.
  - 8.) UNDERGROUND FOUNDATIONS OR UTILITIES WERE NOT LOCATED EXCEPT AS SHOWN.
  - 9.) THE FIELD WORK WAS COMPLETED ON SEPTEMBER 23RD, 2010.
  - 10.) MAJOR CONTOUR INTERVALS ARE AT 5.0 FEET AND MINOR INTERVALS AT 1.0 FEET.
  - 11.) TREES, UTILITIES, AND SURVEY MONUMENTS ARE NOT DRAWN TO SCALE AND ARE FOR GRAPHIC REPRESENTATION ONLY.
  - 12.) TREES OUTSIDE OF NATURE TRAIL CORRIDOR AND/OR LESS THAN 8" DIAMETER WERE NOT LOCATED.
- THE CITY OF GAINESVILLE PUBLIC WORKS ENGINEERING SUPPORT SERVICES PROVIDES THAT: A) THE ELECTRONIC DRAWING IS PROVIDED "AS-IS" WITHOUT GUARANTEE OF WARRANTY OF ANY KIND BY THE SIGNED AND SEALED DRAWING. B) ITS PRINTED FORM IS THE OFFICIAL DEPICTION OF THE PROJECT AND IN NO WAY WILL BE SUPPLANTED IN AUTHORITY BY THE ELECTRONIC FORM OF THE DRAWING.

- SITE BENCHMARKS (NGVD29):**
- BM1: HEX BOLT SET ON TOP OF WEST SIDE OF CONCRETE HEADWALL. ELEV=111.49
  - BM2: 20# NAIL DRIVEN IN EAST SIDE OF 11" HICKORY TREE STATION 9+89.81785 L. ELEV=112.04
  - BM3: 20# NAIL DRIVEN IN WEST SIDE OF 23" PINE TREE STATION 18+06.41472 R. ELEV=114.92
  - BM4: 20# NAIL DRIVEN IN NORTH SIDE OF 15" OAK TREE STATION 27+35.18864 L. ELEV=150.88

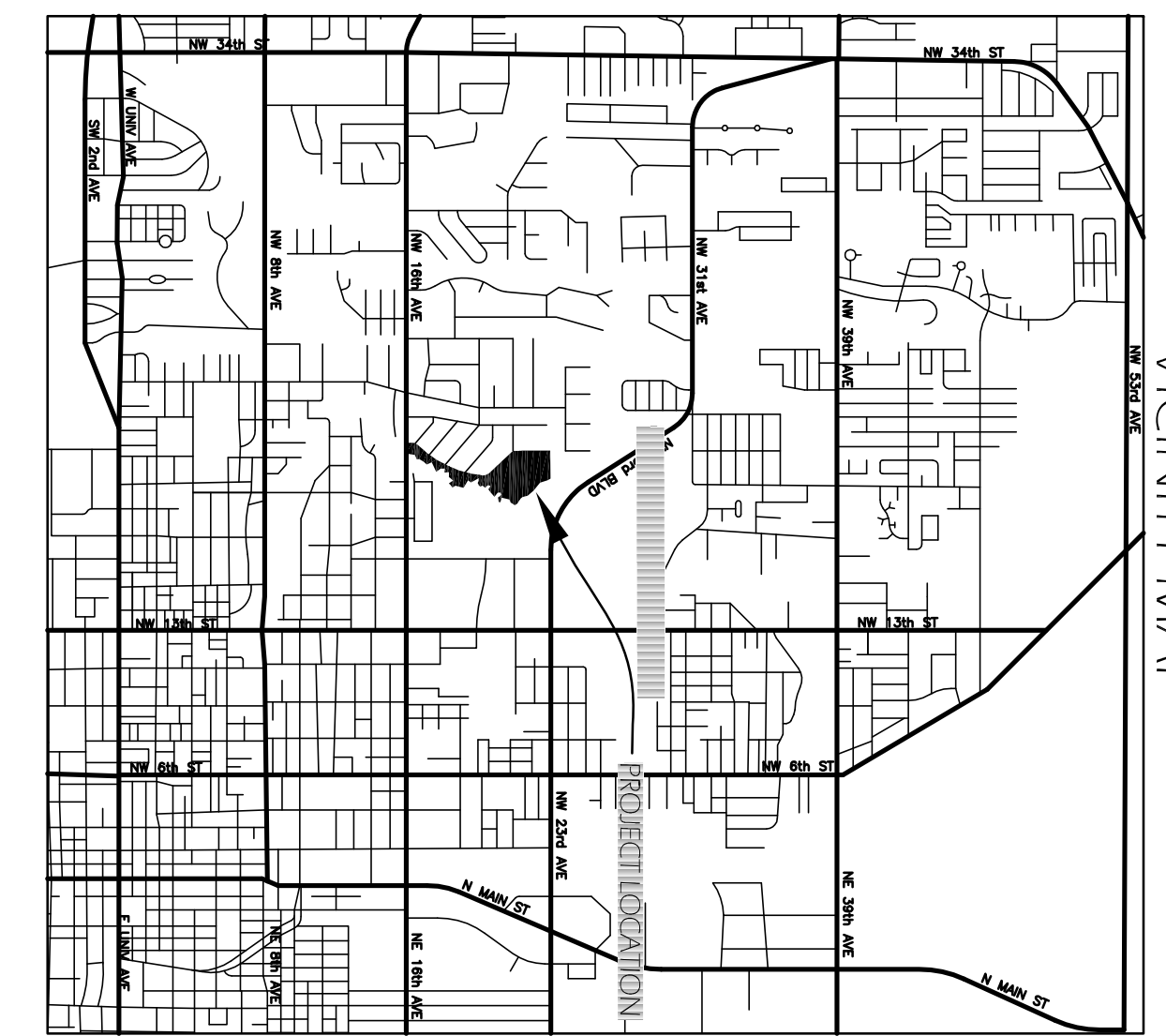
**LEGEND**

- FOUND CONCRETE MONUMENT
- FOUND IRON PIPE
- FOUND IRON ROD
- ⊕ SET BENCHMARK
- ⊕ SET NAIL ● HZ RTK GPS CONTROL POINT
- ▲ SET SANDBAG NAIL ● BASELINE POINT
- SET CASE-HARDENED NAIL ● BASELINE POINT
- BOARDWALK IDENTIFIER
- ALFRED RING PARK BOUNDARY
- OTHER BOUNDARY LINES
- - - RIGHT-OF-WAY (R/W) LINES
- O.R.B. OFFICIAL RECORDS BOOK
- (M) MEASURED DATA
- (P) PLAT DATA
- (C) CALCULATED DATA
- R/W RIGHT-OF-WAY
- CONCRETE
- EARTHEN TRAIL
- WOODEN BOARDWALK



**BASELINE LINE TABLE**

LINE	LENGTH	BEARING
1.1	61.09	N 81°59'30" E
1.2	69.58	N 84°00'00" E
1.3	134.63	N 20°23'10" E
1.4	176.81	N 23°29'00" E
1.5	88.81	N 53°10'00" E
1.6	56.63	N 85°10'00" W
1.7	25.74	N 1°30'30" E
1.8	153.52	N 6°00'00" E
1.9	116.81	N 85°31'10" E
1.10	168.71	N 8°30'00" E
1.11	123.63	N 7°00'00" W
1.12	116.85	N 1°28'00" W
1.13	18.84	N 84°58'00" E
1.14	109.52	N 23°23'00" E
1.15	56.00	N 61°35'00" E
1.16	108.00	N 04°00'00" E
1.17	104.97	N 45°11'40" E
1.18	27.12	N 62°20'40" W
1.19	150.00	N 5°40'00" W
1.20	180.81	N 60°47'00" W
1.21	191.91	N 31°40'00" W
1.22	129.94	N 27°01'40" W
1.23	85.50	N 50°31'00" W
1.24	225.28	N 11°52'00" W
1.25	109.00	N 02°30'00" E



- THIS IS NOT A BOUNDARY SURVEY -

THIS SURVEY NOT COMPLETE WITHOUT ALL 7 SHEETS.

THIS SPECIFIC PURPOSE SURVEY WAS PREPARED TO MEET THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-76 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.02, FLORIDA STATUTES AND IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR & MAPPER.

DATE: 9/29/10  
PATRICK R. DURBIN, PROFESSIONAL SURVEYOR AND MAPPER, FLORIDA CERTIFICATION NUMBER 5368

**CITY OF GAINESVILLE PUBLIC WORKS DEPARTMENT  
ENGINEERING SUPPORT SERVICES**

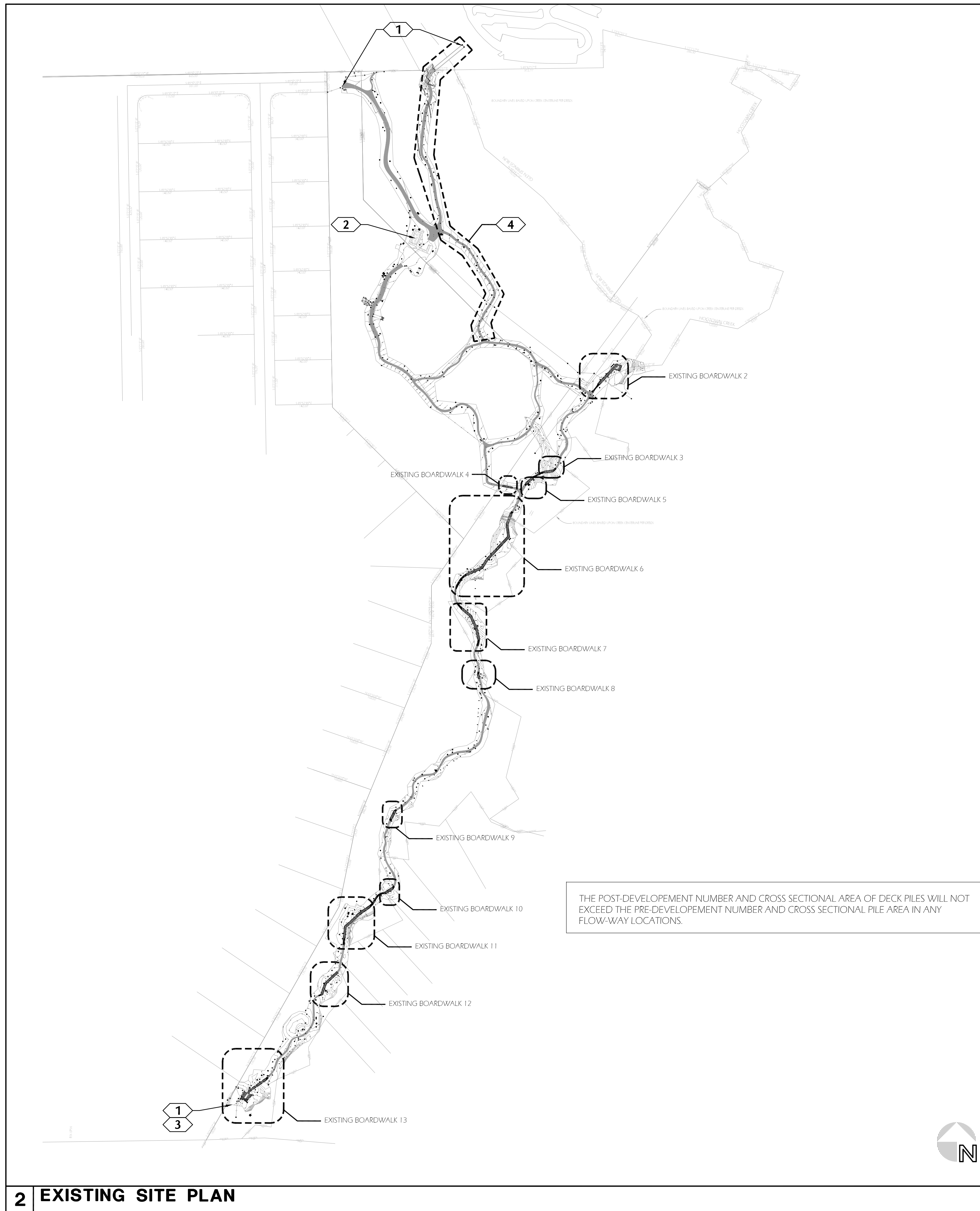
306 NE 6TH AVENUE (THOMAS CENTER) P.O. BOX 490 GAINESVILLE, FL 32602-0490  
OFFICE (352) 393-8194 FAX (352) 334-2093

**SPECIFIC PURPOSE SURVEY OF ALFRED RING PARK**  
RECONNAISSANCE SURVEY OF EARTHEN PATHS  
AND BOARDWALKS ALONG NATURE TRAIL

NOTES: PRELIMINARY SUBMITTAL FOR APPROVAL  
NOTES: REDESIGNED BASELINE  
NOTES: ADDED ADDITIONAL SURVEY NOTES

DATE: SEP 22, 2010  
DATE: SEP 23, 2010  
DATE: SEP 27, 2010

DRAWN BY: T H  
ACAD FILENAME: RING PARK  
CHECKED BY: P D  
PROJECT #: N/A  
DATE: SEP 29, 2010  
SHEET 1 OF 7



- 1** CONTRACTOR MUST SECURE SITE DURING CONSTRUCTION WITH TEMPORARY "ORANGE SCREEN" FENCING AND SIGNAGE AT INDICATED LOCATIONS. COORDINATE VERBIAGE WITH OWNER PRIOR TO CREATING SIGN.
- 2** STAGING/STORAGE AREA WITHOUT RESTRICTIONS. THIS AREA IS UPLAND AND IS NOT PART OF THE DESIGNATED WETLANDS.
- 3** OPTIONAL STAGING/STORAGE AREA TO BE USED ONLY UNTIL 5:00PM OF EACH WORKDAY. NO SUPPLIES SHALL REMAIN IN THIS LOCATION AFTER WORKING HOURS.
- 4** DASHED LINE INDICATES NO MACHINERY TO BE TRANSPORTED ACROSS IDENTIFIED PATH.

**6 SITE PLAN KEYNOTES**

ALL CONSTRUCTION TO OCCUR BETWEEN 8:00 AM - 5:00 PM, MONDAY THROUGH FRIDAY. COORDINATE ADDITIONAL WORKING TIMES WITH OWNER.

WHEREVER POSSIBLE CONTRACTOR SHALL CUT, ABANDON, AND REMOVE ALL HARDWARE FROM EXISTING STRUCTURAL POSTS AT GRADE, LEFT FROM PREVIOUS BOARDWALKS.

RESTROOM FACILITIES ARE EXISTING ONSITE AND WILL BE AVAILABLE FOR WORKERS.

CONTRACTOR TO BE RESPONSIBLE FOR ALL DAMAGES CAUSED THROUGHOUT THE DURATION OF THE PROJECT.

NO EQUIPMENT USED FOR CONSTRUCTION SHALL BE WIDER THAN 5'-0"

ALL SOIL REMOVED TO ALLOW FOR NECESSARY STRUCTURAL EXCAVATIONS SHALL BE IMMEDIATELY TRANSPORTED OFF SITE.

**5 GENERAL NOTES**

THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES HAS PROVIDED COMMENTS REGARDING THE PROJECT POTENTIAL IMPACTS ON HISTORICAL AND ARCHAEOLOGICAL RESOURCES THAT MUST BE FOLLOWED. THE COMMENTS ARE LISTED BELOW (SEE COMPLETE LETTER DATED FEBRUARY 10, 2011, PROVIDED WITHIN THE BID PACKAGE).

THE PURPOSE OF THIS VISIT WILL BE TO EVALUATE THE PROJECT'S POTENTIAL IMPACT TO THE SITE AS REQUIRED IN THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES CORRESPONDENCE DATED FEBRUARY 10, 2011, TAKING INTO ACCOUNT BOTH THE LOCATION OF THE BOARDWALK REPLACEMENTS AND OF THE STAGING/STORAGE AREA, AS WELL AS THE METHODS FOR REMOVAL AND REPLACEMENT OF THE BOARDWALK. THE ARCHAEOLOGIST WILL THEN PROVIDE A PROPOSAL FOR FIELD INVESTIGATIONS AND/OR MONITORING, SHOULD ANY BE DEEMED NECESSARY. TO THE DIVISION OF HISTORICAL RESOURCES FOR OUR CONCURRENCE. ONCE WE HAVE AGREED TO ANY INVESTIGATIONS OR MONITORING, IF NEEDED, THE PROJECT MAY PROCEED.

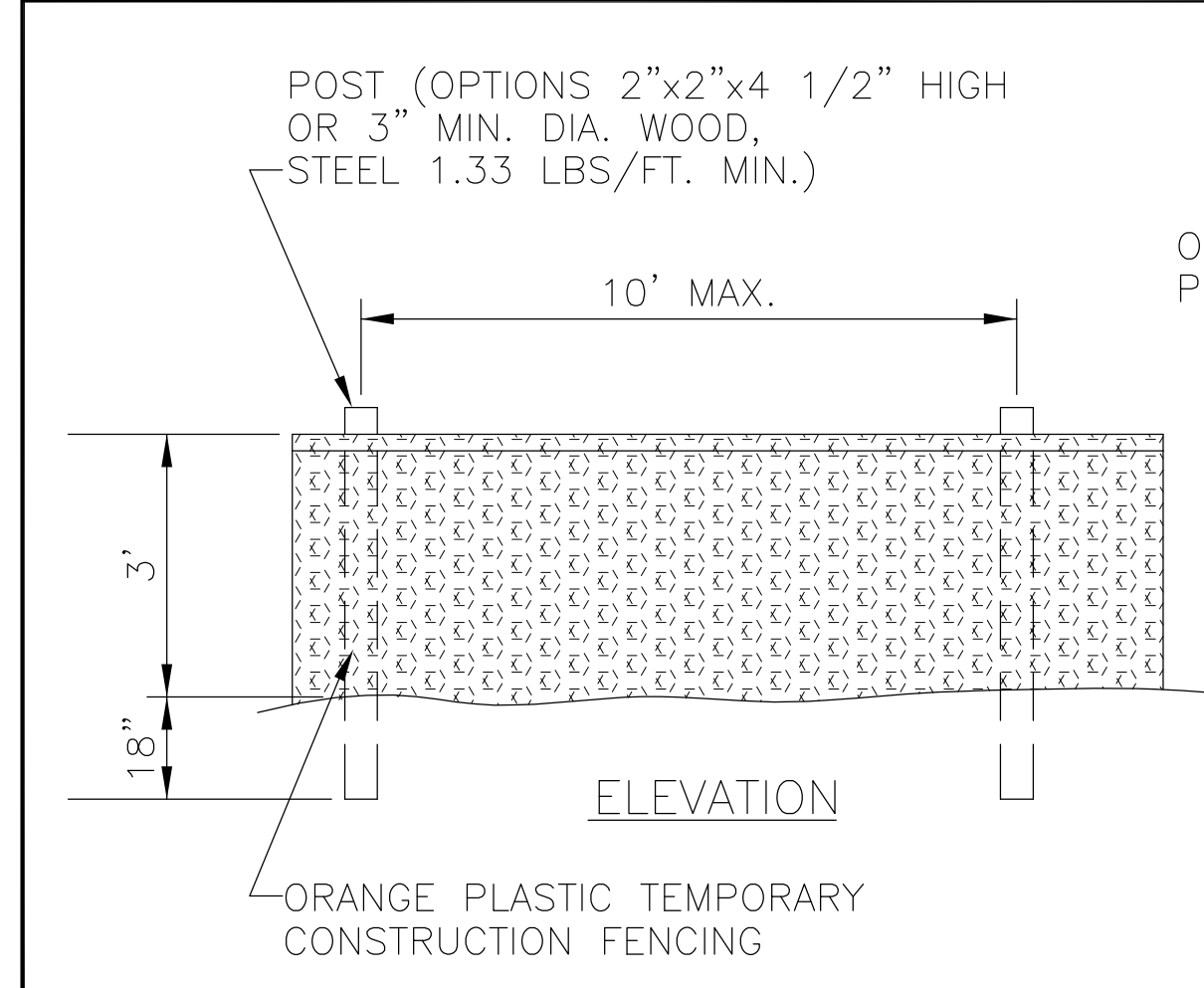
IN ALL CASES, THE ARCHAEOLOGIST SHOULD DEVELOP A SHORT INFORMATIONAL TRAINING SESSION FOR THE PROJECT MANAGER AND CONSTRUCTION AND REMOVAL CREWS, EXPLAINING WHAT TYPES AND EXAMPLES OF ARCHAEOLOGICAL RESOURCES MIGHT BE ENCOUNTERED DURING PROJECT ACTIVITIES AND THE STEPS THAT SHOULD BE TAKEN WHEN RESOURCES ARE ENCOUNTERED. IN THE EVENT THAT ARCHAEOLOGICAL RESOURCES ARE ENCOUNTERED, THE ARCHAEOLOGICAL CONSULTANT SHOULD BE THE CONTACT PERSON WHO WILL THEN NOTIFY THIS OFFICE OF SUCH DISCOVERIES.

IN ADDITION TO THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES REQUIREMENTS, THE COMPLETION OF THE "SELF-CERTIFICATION STATEMENT OF COMPLIANCE" FORM AND THE "DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST" IS REQUIRED BY THE DEPARTMENT OF ARMY CORRESPONDENCE DATED FEBRUARY 7, 2011, AND PROVIDED WITHIN THE BID PACKAGE.

LASTLY, IN ADDITION TO NOTIFYING ANY SIGNIFICANT HISTORIC MATERIAL FOUND TO THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, THE SUCCESSFUL BIDDER SHALL NOTIFY THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AS PER THEIR REQUEST DATED FEBRUARY 23, 2011.

THE GENERAL CONTRACTOR SHALL INCLUDE THE VALUE OF THE ARCHAEOLOGICAL SERVICES REQUESTED BY THE FLORIDA DEPARTMENT OF STATE DIVISION OF HISTORICAL RESOURCES, THE DEPARTMENT OF ARMY, AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT WITHIN THEIR BID.

**4 ARCHAEOLOGICAL REQ'S**



**1 CONSTRUCTION FENCE, TYP.**  
SCALE: NTS

**TIMING OF SEDIMENT - CONTROL PRACTICES:**  
SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL THROUGHOUT EARTH-DISTURBING ACTIVITY.

SETTLING FACILITIES, PERIMETER CONTROLS, AND OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.

**STABILIZATION OF NON STRUCTURAL PRACTICES:**  
CONTROL PRACTICES SHALL PRESERVE EXISTING VEGETATION WHERE ATTAINABLE AND DISTURBED AREAS SHALL BE MULCHED WITH PINE BARK AS SOON AS PRACTICAL AFTER GRADING OR CONSTRUCTION.

**SEDIMENT BARRIERS:**  
SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE INTERCEPTED BY SEDIMENT BARRIERS.

SEDIMENT BARRIERS SUCH AS SEDIMENT FENCE OR DIVERSIONS TO SETTLING FACILITIES SHALL PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SEDIMENT TRANSPORTED BY SHEET FLOW.

**CONSTRUCTION ACCESS ROUTES:**  
MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES OR PUBLIC ROADS WHERE RUNOFF IS NOT CHECKED.

**CONSTRUCTION SEQUENCE:**  
1. INSTALL SEDIMENT CONTROL MEASURES  
2. REMOVE EXISTING STRUCTURES  
3. PLACE PINE BARK ON ALL EXPOSED/DENUDED SURFACES  
4. INSTALL NEW STRUCTURES  
5. REMOVE CONSTRUCTION FENCE  
6. PERFORM CLEAN UP AND MAINTENANCE

**MAINTENANCE**  
FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SHOULD THE FABRIC ON A SEDIMENT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.

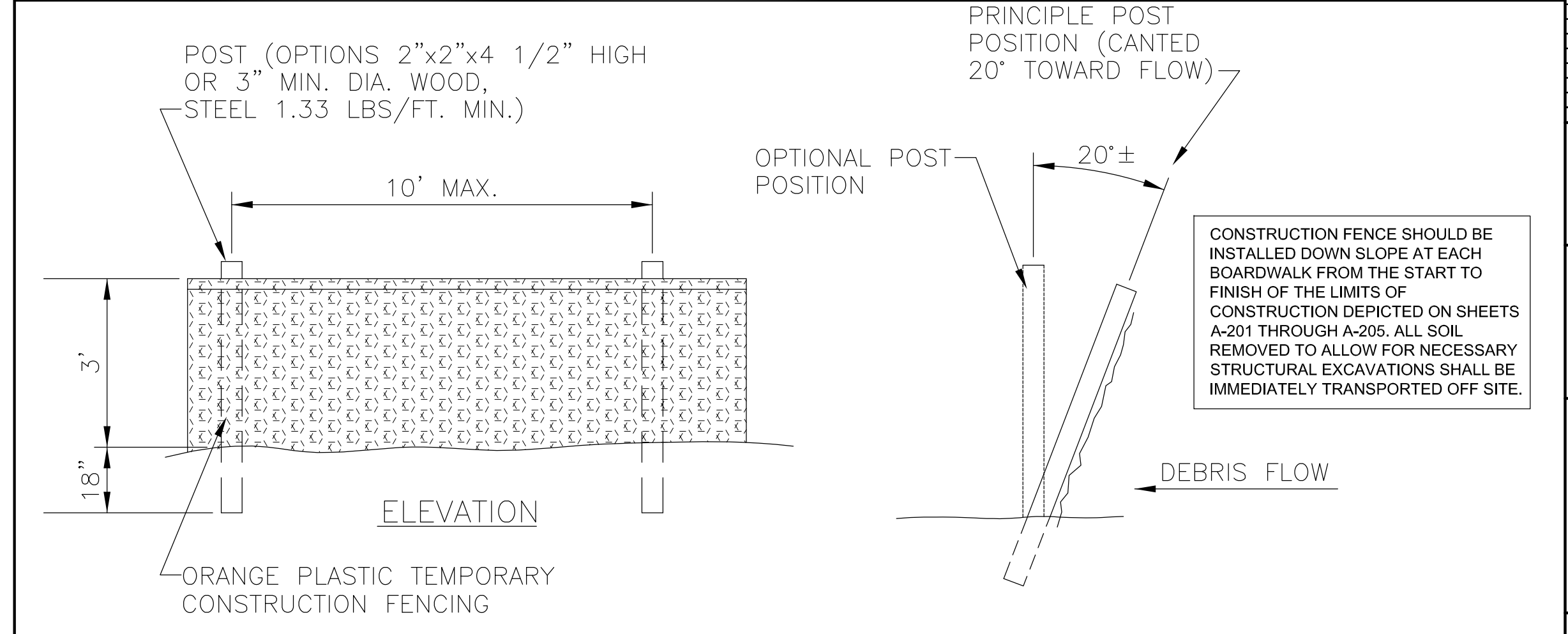
ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SEDIMENT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED, AND MULCHED.

**ADDITIONAL MEASURES:**  
THIS PLAN AND NARRATIVE REPRESENTS THE MINIMUM AMOUNT OF EROSION AND SEDIMENT CONTROL MEASURES. IN THE OPINION OF THE ENGINEER, THAT MAY BE NECESSARY UNDER FAVORABLE WEATHER CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL MEASURES OR PRACTICES THAT MAY BE NECESSARY TO CONTROL EROSION, TURBID DISCHARGE, FUGITIVE PARTICULATES, ETC. TO FULLY COMPLY WITH ALL GOVERNMENTAL RULES AND/OR PERMIT REQUIREMENTS.

**POLLUTION PREVENTION:**  
THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PROGRAM IS REGULATED THROUGH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). IF YOUR CONSTRUCTION ACTIVITY MEETS THE FOLLOWING CRITERIA:

1. CONTRIBUTES STORMWATER DISCHARGE TO SURFACE WATERS OF THE STATE OR INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4); AND/OR
2. DISTURBS ONE OR MORE ACRES OF LAND INCLUDING LESS THAN ONE ACRE IF ACTIVITY IS PART OF A LARGE COMMON PLAN OF DEVELOPMENT OR SALE THAT WILL MEET OR EXCEED A ONE ACRE THRESHOLD. DISTURBANCE INCLUDES CLEARING, GRADING AND EXCAVATING. THEN YOU WILL BE REQUIRED TO SUBMIT A NOTICE OF INTENT (NOI) AND PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP). FOR MORE INFORMATION PLEASE VISIT FDEP'S WEBSITE AT WWW.DEP.STATE.FL.US/WATER/STORMWATER/NPDES.

**3 EROSION CONTROL NOTES**



**1 CONSTRUCTION FENCE, TYP.**  
SCALE: NTS

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GAINESVILLE, FL 32601

CONSULTANT:  
MANUEL SYNALOVSKI  
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**CITY OF GAINESVILLE**  
**ALFRED A. RING PARK**  
1801 NW 23RD BOULEVARD  
GAINESVILLE, FLORIDA 32605  
CLIENT: CITY OF GAINESVILLE

DESIGN DELIVERABLE: ISSUE TYPE  
ISSUE DATE: 01/03/11

PROJECT NUMBER: 1081-100718  
DRAWN BY: MS  
CHECKED BY: MR

SHEET TITLE:  
**EROSION CONTROL PLAN**

SHEET NUMBER:  
**ES-101**

**LEGEND**

- Jurisdictional Lines
- Jurisdictional Area
- Restoration Area
- Rivulet
- Intermittent Stream
- Existing Boardwalk
- Proposed Boardwalk (Horizontal)
- Proposed Boardwalk (Sloped)
- Widened Path

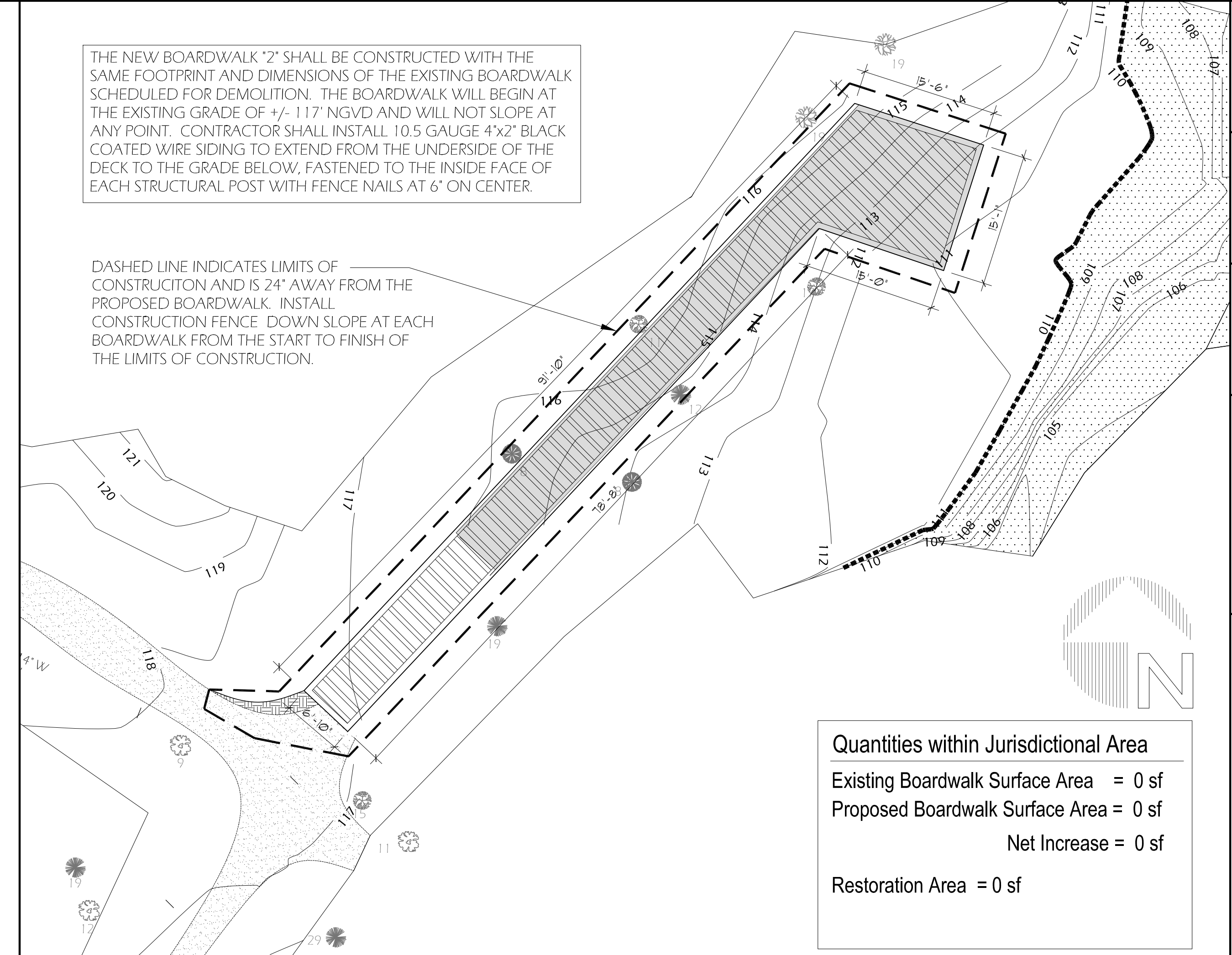


THE ELEVATION OF THE NEW BOARDWALK AT THE LEVEL OR HORIZONTAL RUN WILL BE 114' NGVD AND MUST RAMP APPROPRIATELY FROM THE START AND FINISH ELEVATIONS AS PER DETAIL 1/S-101. REFER TO DETAIL 1/A-301 AND SHEET S-102 FOR SPANNING SECTION AND ELEVATION INFORMATION.

DASHED LINE INDICATES LIMITS OF CONSTRUCTION AND IS 24' AWAY FROM THE PROPOSED BOARDWALK. INSTALL CONSTRUCTION FENCE DOWN SLOPE AT EACH BOARDWALK FROM THE START TO FINISH OF THE LIMITS OF CONSTRUCTION.

Quantities within Jurisdictional Area  
 Existing Boardwalk Surface Area = 79 sf  
 Proposed Boardwalk Surface Area = 120 sf  
 Net Increase = 41 sf  
 Restoration Area = 0 sf

**4 NEW BOARDWALKS 3 AND 5**  
 SCALE: 1" = 10'-0"

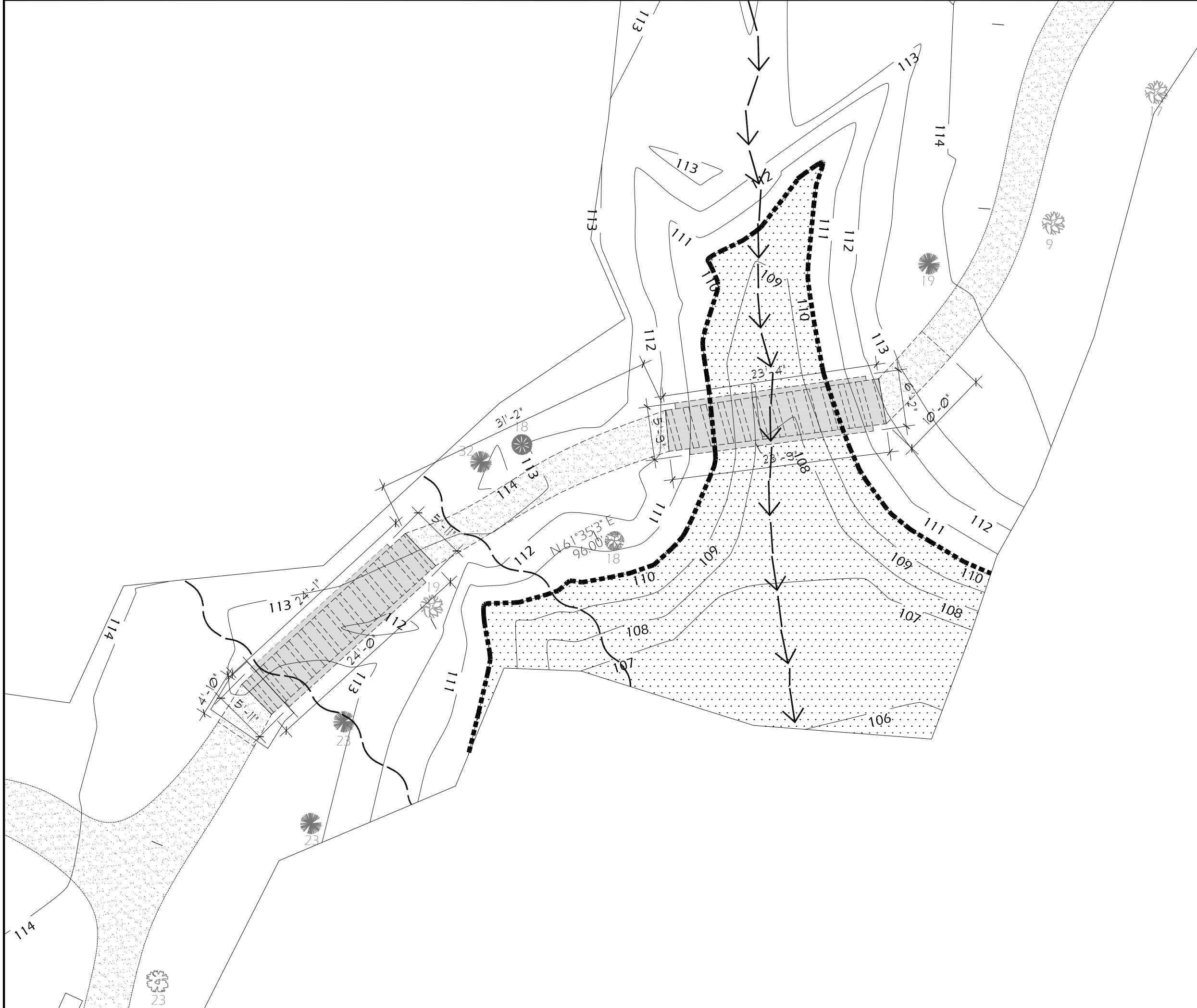


THE NEW BOARDWALK '2' SHALL BE CONSTRUCTED WITH THE SAME FOOTPRINT AND DIMENSIONS OF THE EXISTING BOARDWALK SCHEDULED FOR DEMOLITION. THE BOARDWALK WILL BEGIN AT THE EXISTING GRADE OF +/- 117' NGVD AND WILL NOT SLOPE AT ANY POINT. CONTRACTOR SHALL INSTALL 10.5 GAUGE 4X2' BLACK COATED WIRE SIDING TO EXTEND FROM THE UNDERSIDE OF THE DECK TO THE GRADE BELOW, FASTENED TO THE INSIDE FACE OF EACH STRUCTURAL POST WITH FENCE NAILS AT 6' ON CENTER.

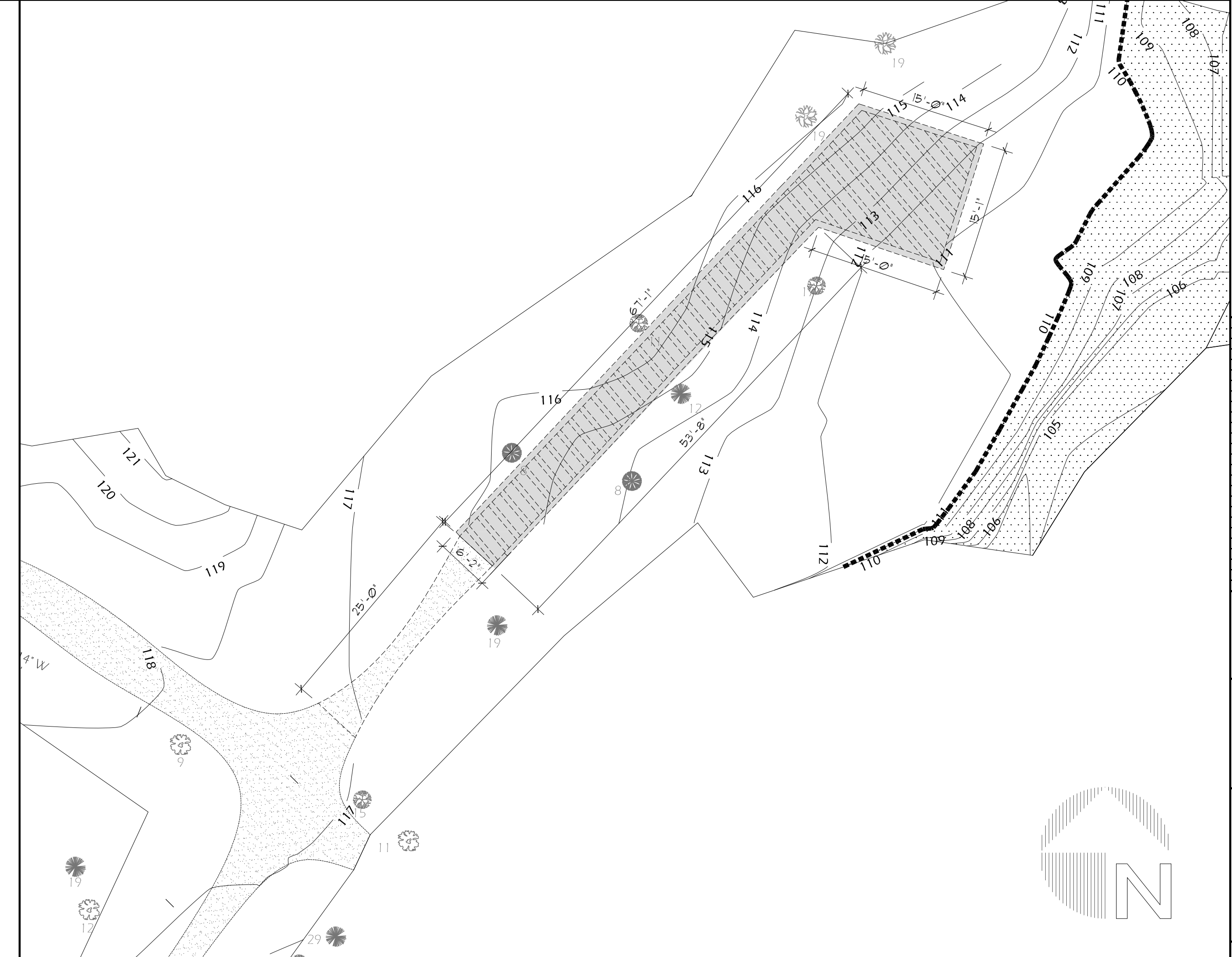
DASHED LINE INDICATES LIMITS OF CONSTRUCTION AND IS 24' AWAY FROM THE PROPOSED BOARDWALK. INSTALL CONSTRUCTION FENCE DOWN SLOPE AT EACH BOARDWALK FROM THE START TO FINISH OF THE LIMITS OF CONSTRUCTION.

Quantities within Jurisdictional Area  
 Existing Boardwalk Surface Area = 0 sf  
 Proposed Boardwalk Surface Area = 0 sf  
 Net Increase = 0 sf  
 Restoration Area = 0 sf

**3 NEW BOARDWALK 2**  
 SCALE: 1" = 10'-0"



**2 DEMO BOARDWALKS 3 AND 5**  
 SCALE: 1" = 10'-0"



**1 DEMO BOARDWALK 2**  
 SCALE: 1" = 10'-0"

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**CLIENT:**  
 CITY OF GAINESVILLE  
 200 EAST UNIVERSITY AVENUE  
 GAINESVILLE, FL 32601

**CONSULTANT:**  
 MANUEL SYNALOVSKI  
 AA0011628

AA 26001863

CITY OF GAINESVILLE  
 1801 NW 23RD BOULEVARD  
 GAINESVILLE, FLORIDA 32605  
 CLIENT: CITY OF GAINESVILLE

REV	DATE	DESCRIPTION

DESIGN DELIVERABLE: ISSUE TYPE  
 ISSUE DATE: 01/03/11

PROJECT NUMBER: 1081-100718  
 DRAWN BY: MS  
 CHECKED BY: MR

SHEET TITLE:  
**TRAILS 2,3, AND 5**

SHEET NUMBER:  
**A-201**

**LEGEND**

- Jurisdictional Lines
- ▨ Jurisdictional Area
- ▨ Restoration Area
- ~ Rivulet
- - - Intermittent Stream
- ▭ Existing Boardwalk
- ▨ Proposed Boardwalk (Horizontal)
- ▨ Proposed Boardwalk (Sloped)
- ▭ Widened Path

THE ELEVATION OF THE NEW BOARDWALK AT THE HORIZONTAL RUN WILL BE 107 NGVD AND MUST RAMP APPROPRIATELY FROM THE START AND FINISH OF THE NEW WALK AS PER DETAIL 1/S-101 WITH THE LEVEL CHANGE NOT TO EXCEED 30'. GUARDRAILS WILL NOT BE REQUIRED.

THE ELEVATION AND SLOPE OF THE NEW BOARDWALK WILL BEGIN HORIZONTALLY AT THE EXISTING GRADE ON THE NORTH SIDE OF THE WALK RAMP AS REQUIRED FROM THE SOUTH ENTRANCE AS PER DETAIL 1/S-101 WITH THE LEVEL CHANGE NOT TO EXCEED 30'. GUARDRAILS WILL NOT BE REQUIRED.

THE ELEVATION AND SLOPE OF THE NEW BOARDWALK WILL BEGIN HORIZONTALLY AT THE EXISTING GRADE ON THE NORTH SIDE OF THE WALK RAMP AS REQUIRED FROM THE SOUTH ENTRANCE AS PER DETAIL 1/S-101 WITH THE LEVEL CHANGE NOT TO EXCEED 30'. GUARDRAILS WILL NOT BE REQUIRED.

THE ELEVATION AND SLOPE OF THE NEW BOARDWALK WILL BEGIN HORIZONTALLY AT THE EXISTING GRADE ON THE NORTH SIDE OF THE WALK RAMP AS REQUIRED FROM THE SOUTH ENTRANCE AS PER DETAIL 1/S-101 WITH THE LEVEL CHANGE NOT TO EXCEED 30'. GUARDRAILS WILL NOT BE REQUIRED.

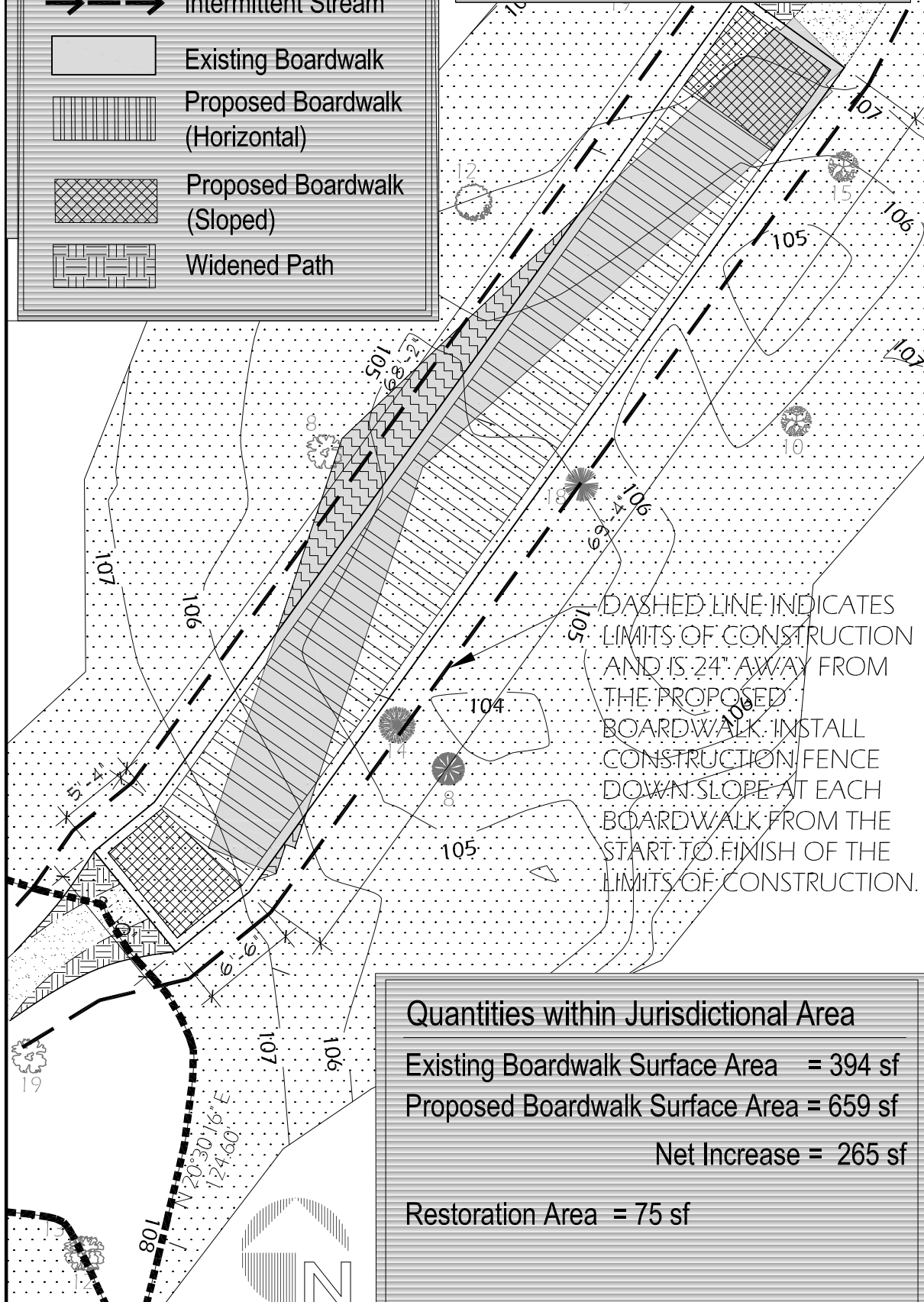
THE ELEVATION AND SLOPE OF THE NEW BOARDWALK WILL BEGIN HORIZONTALLY AT THE EXISTING GRADE ON THE WEST SIDE OF THE WALK RAMP AS REQUIRED FROM THE EAST ENTRANCE AS PER DETAIL 1/S-101 WITH THE LEVEL CHANGE NOT TO EXCEED 30'. GUARDRAILS WILL NOT BE REQUIRED.

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CLIENT:  
**CITY OF GAINESVILLE**  
200 EAST UNIVERSITY AVENUE  
GAINESVILLE, FL 32601

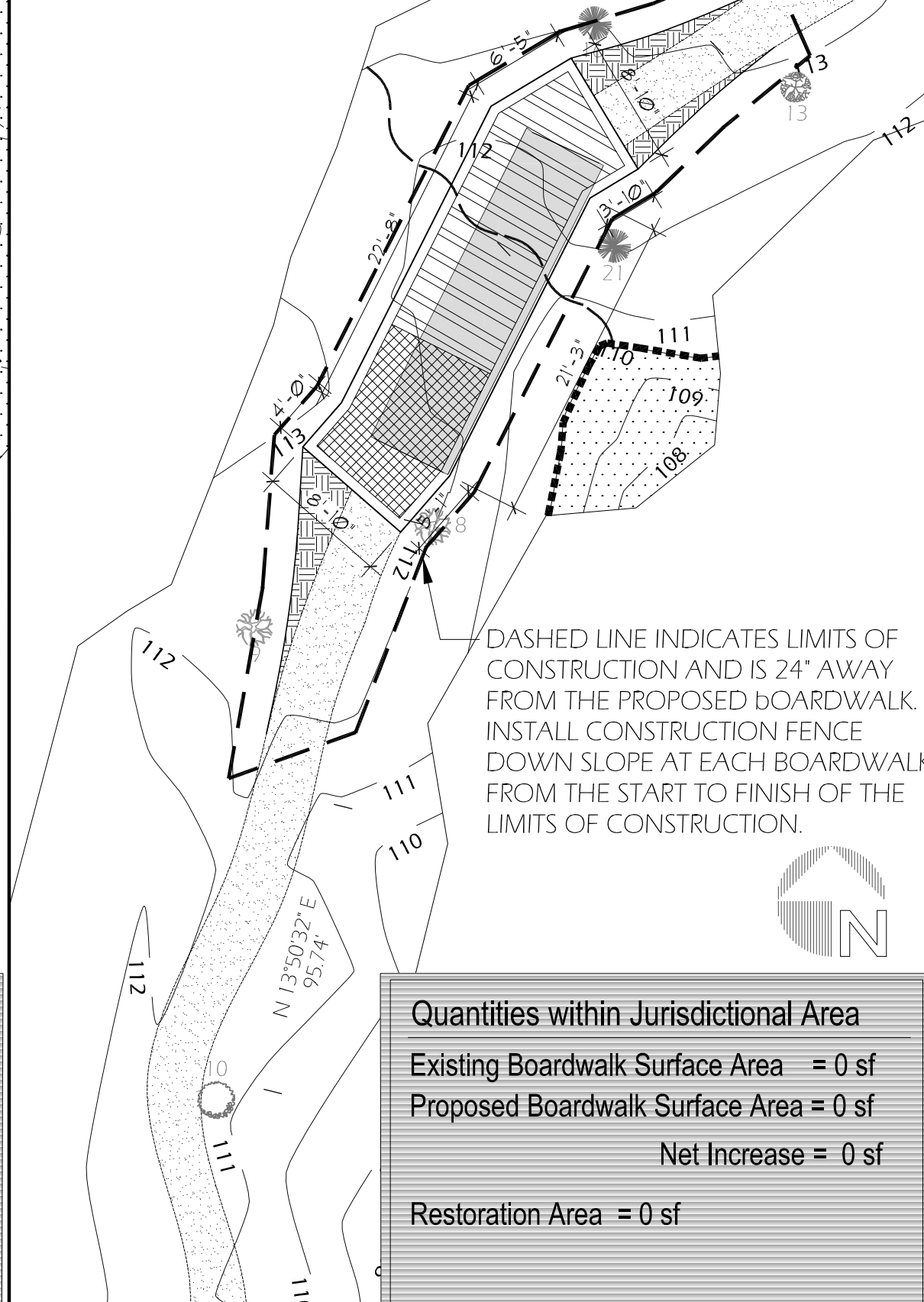
CONSULTANT:  
**MANUEL SYNALOVSKI**  
AA0011628

AA 26001863



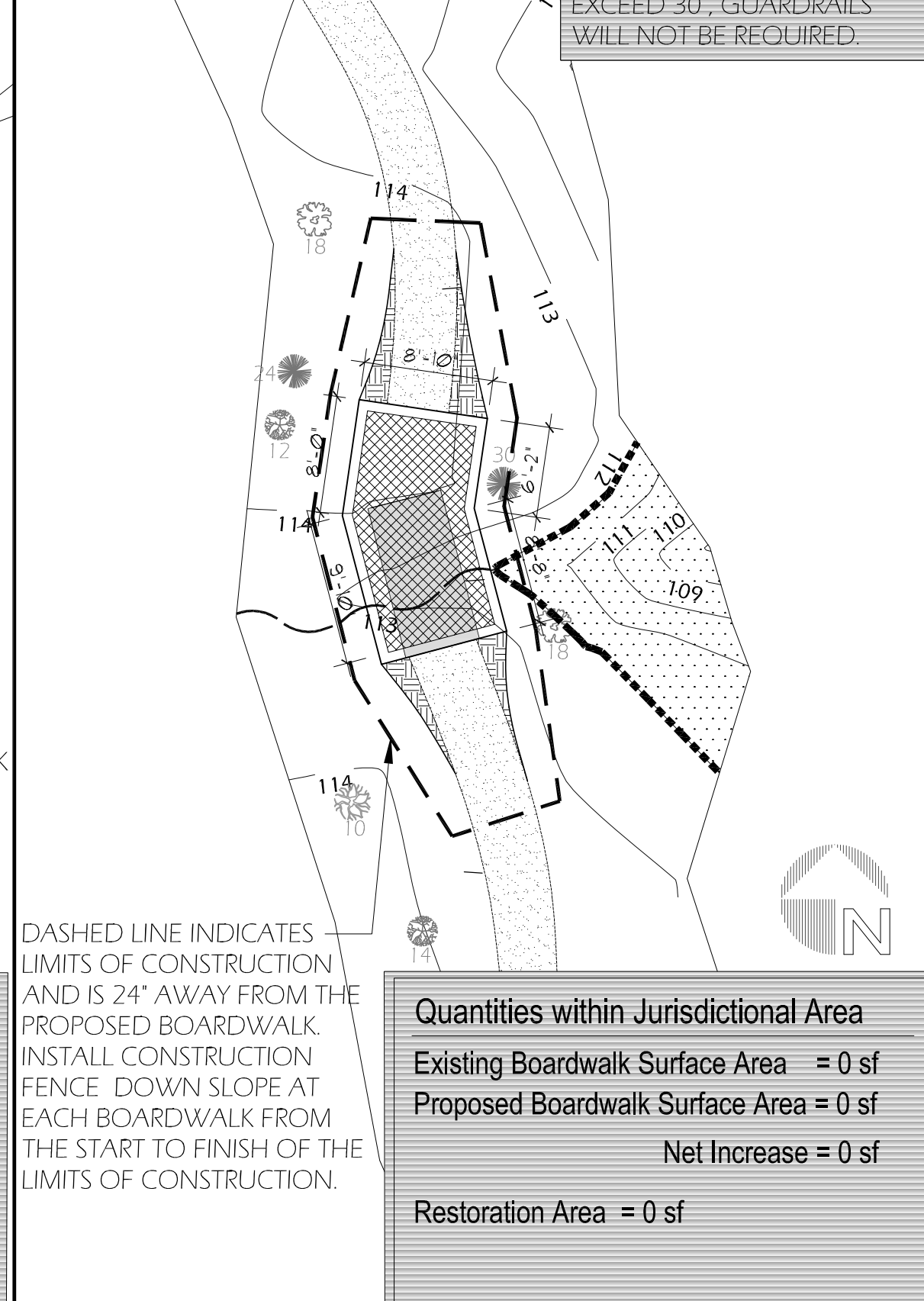
**Quantities within Jurisdictional Area**

Existing Boardwalk Surface Area	= 394 sf
Proposed Boardwalk Surface Area	= 659 sf
<b>Net Increase</b>	<b>= 265 sf</b>
Restoration Area	= 75 sf



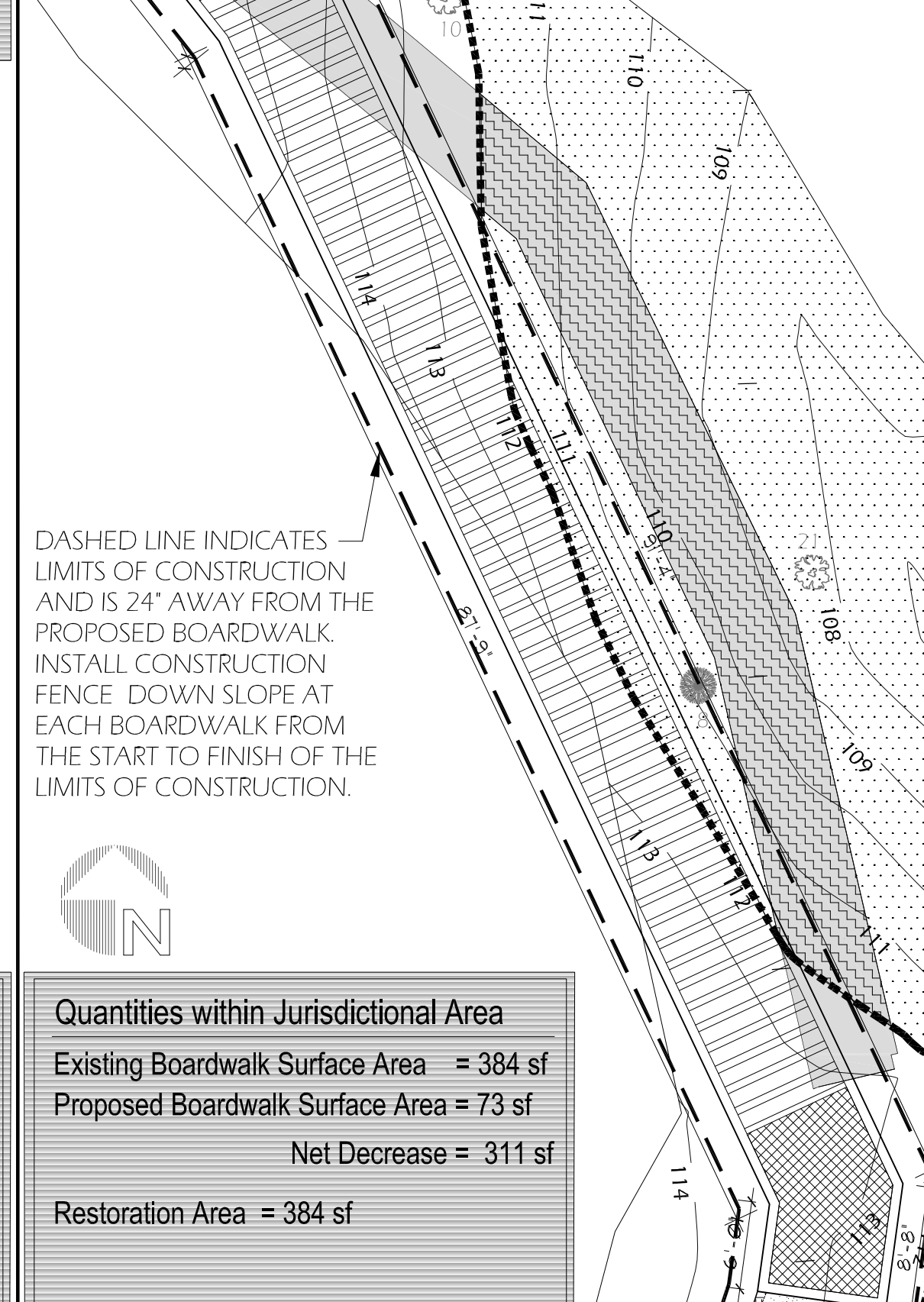
**Quantities within Jurisdictional Area**

Existing Boardwalk Surface Area	= 0 sf
Proposed Boardwalk Surface Area	= 0 sf
<b>Net Increase</b>	<b>= 0 sf</b>
Restoration Area	= 0 sf



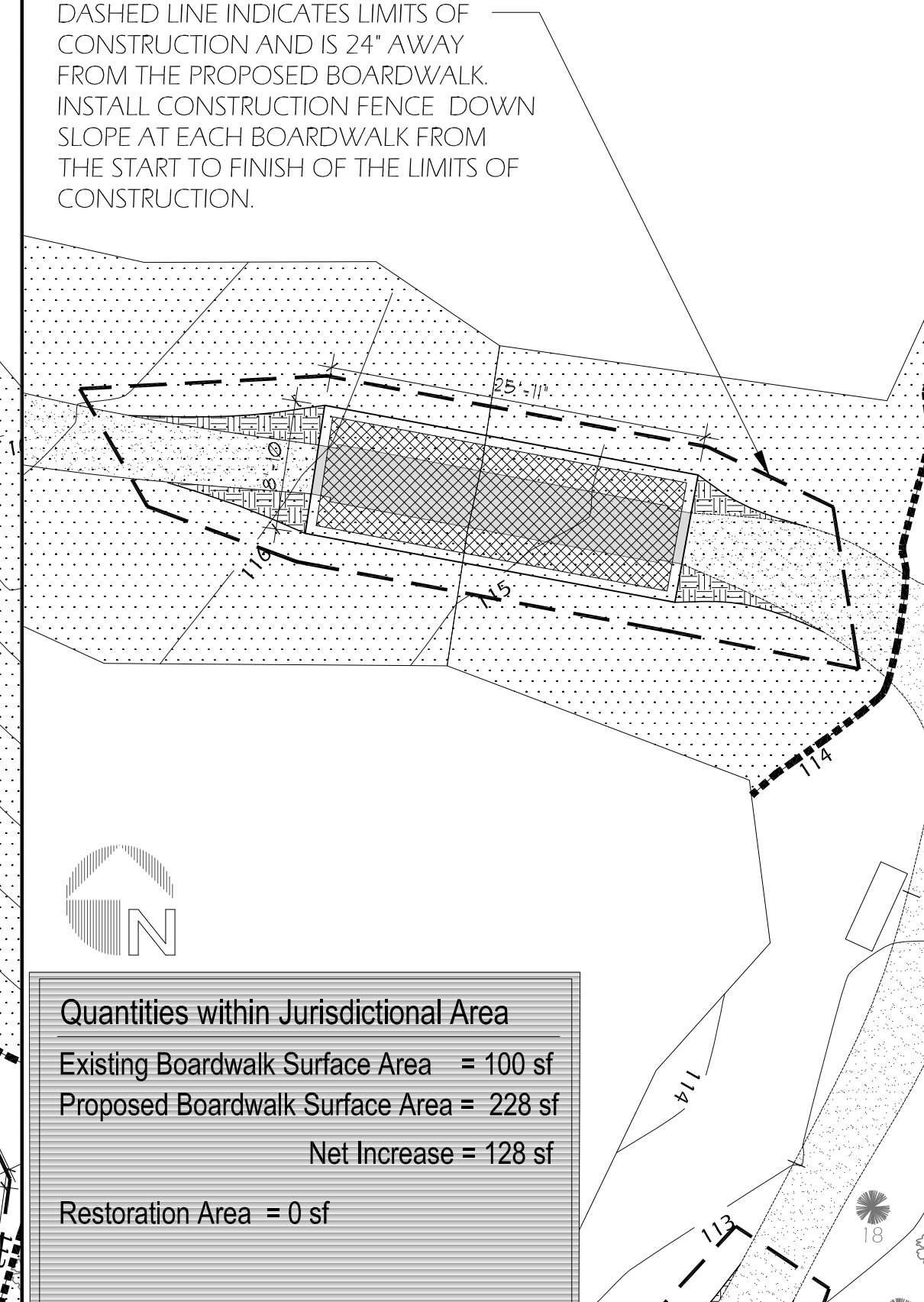
**Quantities within Jurisdictional Area**

Existing Boardwalk Surface Area	= 0 sf
Proposed Boardwalk Surface Area	= 0 sf
<b>Net Increase</b>	<b>= 0 sf</b>
Restoration Area	= 0 sf



**Quantities within Jurisdictional Area**

Existing Boardwalk Surface Area	= 384 sf
Proposed Boardwalk Surface Area	= 73 sf
<b>Net Decrease</b>	<b>= 311 sf</b>
Restoration Area	= 384 sf



**Quantities within Jurisdictional Area**

Existing Boardwalk Surface Area	= 100 sf
Proposed Boardwalk Surface Area	= 228 sf
<b>Net Increase</b>	<b>= 128 sf</b>
Restoration Area	= 0 sf

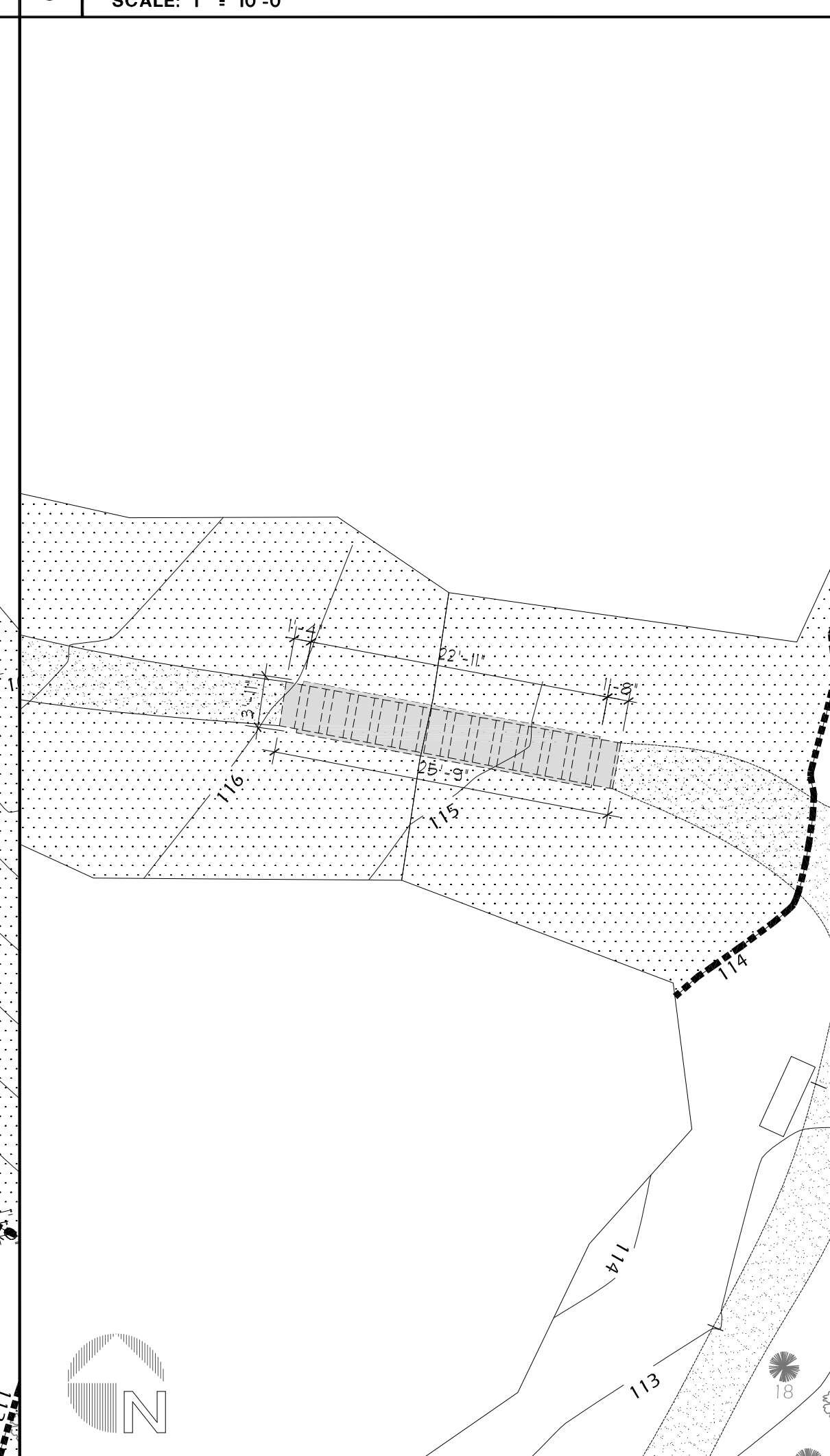
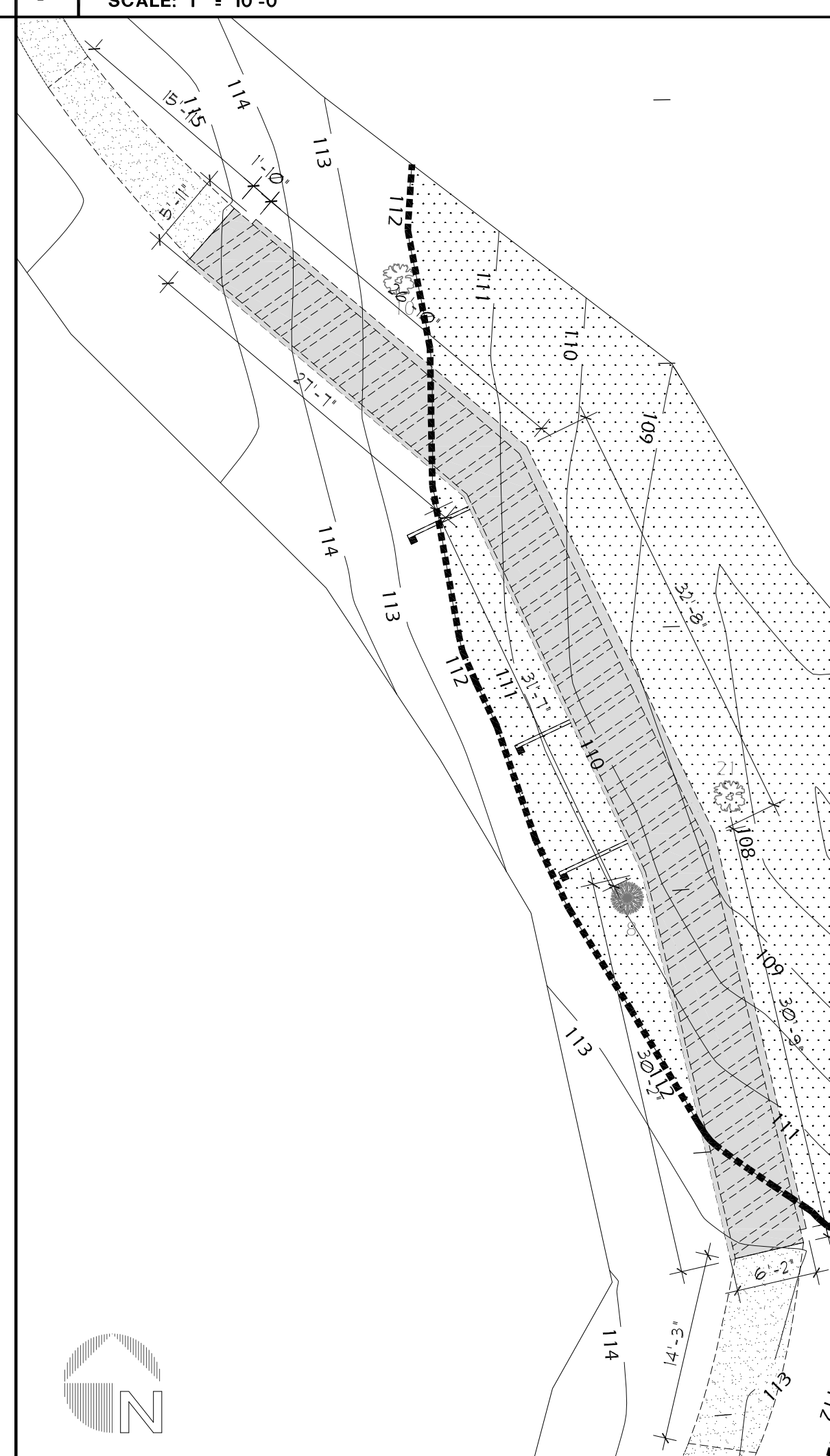
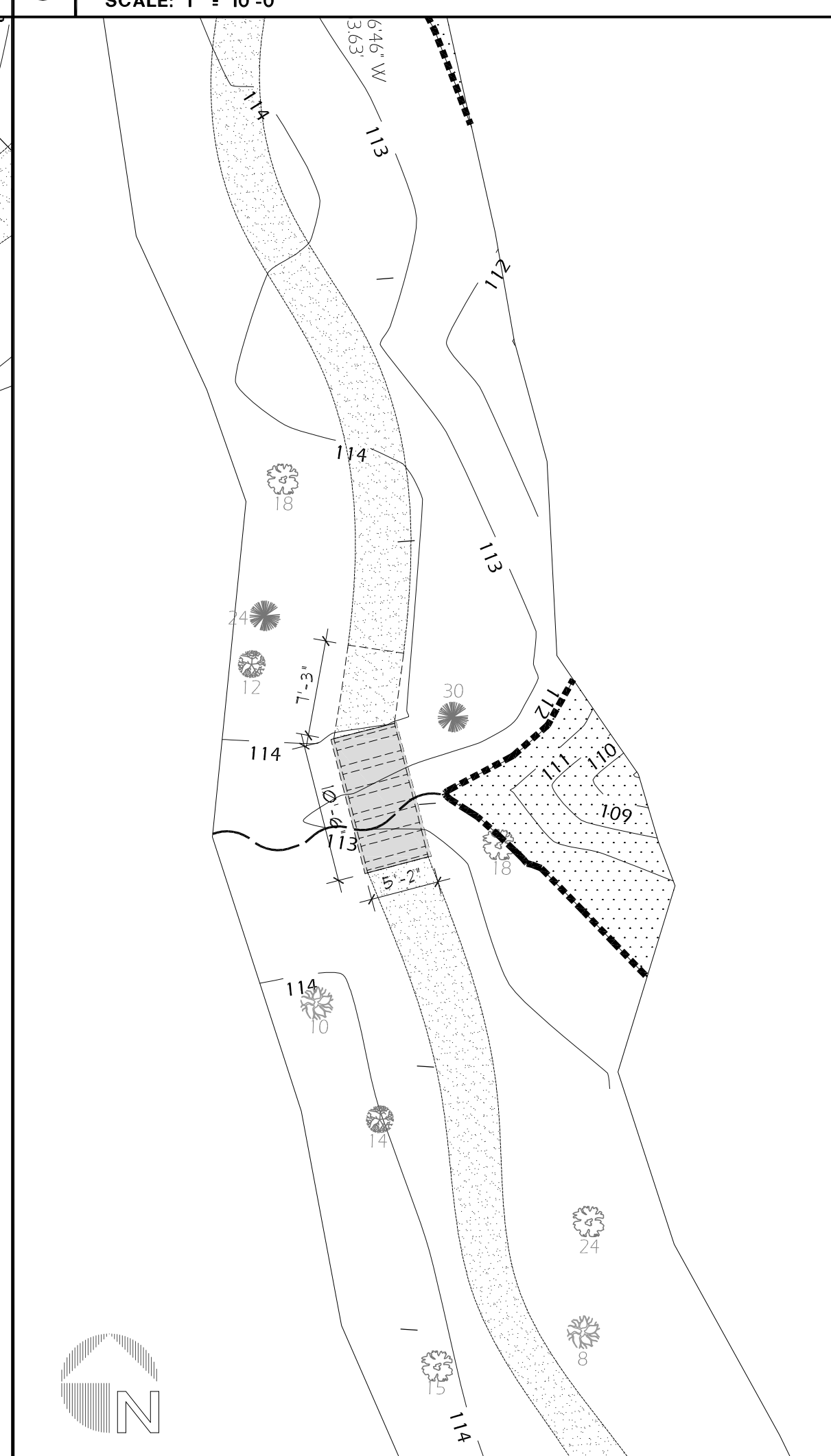
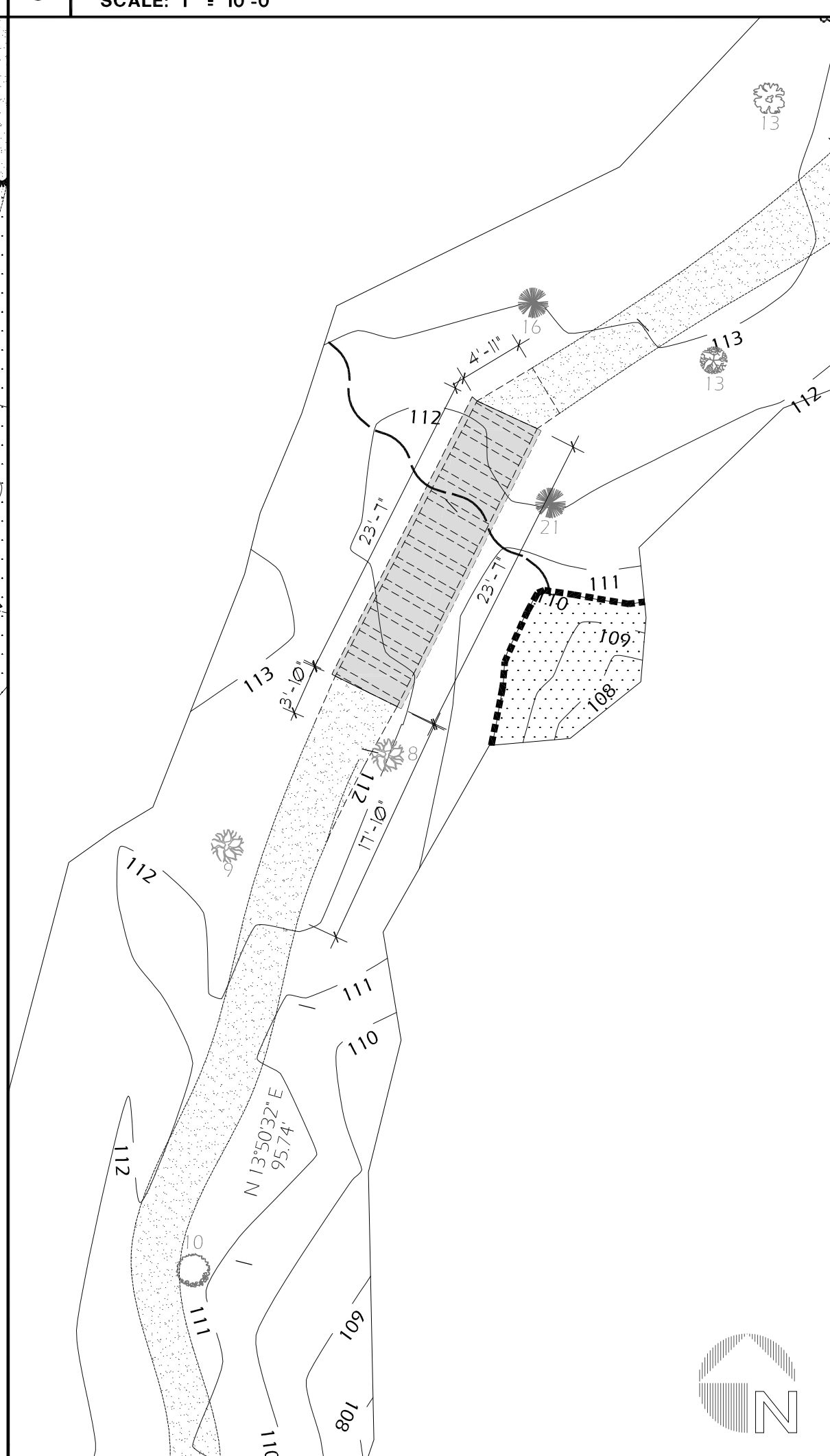
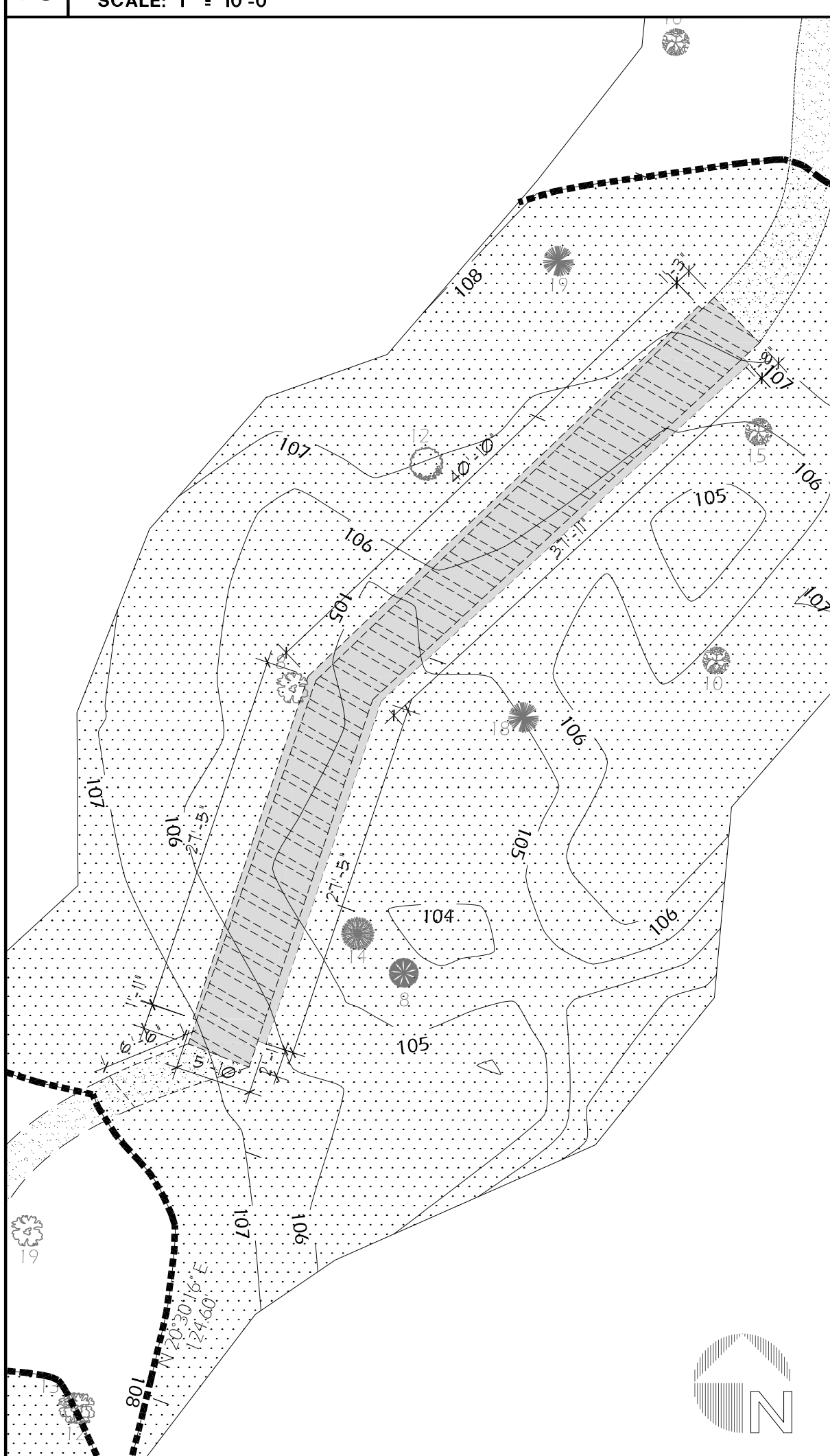
**10 NEW BOARDWALK 12**  
SCALE: 1" = 10'-0"

**9 NEW BOARDWALK 9**  
SCALE: 1" = 10'-0"

**8 NEW BOARDWALK 8**  
SCALE: 1" = 10'-0"

**7 NEW BOARDWALK 7**  
SCALE: 1" = 10'-0"

**6 NEW BOARDWALK 4**  
SCALE: 1" = 10'-0"



**5 DEMO BOARDWALK 12**  
SCALE: 1" = 10'-0"

**4 DEMO BOARDWALK 9**  
SCALE: 1" = 10'-0"

**3 DEMO BOARDWALK 8**  
SCALE: 1" = 10'-0"

**2 DEMO BOARDWALK 7**  
SCALE: 1" = 10'-0"

**1 DEMO BOARDWALK 4**  
SCALE: 1" = 10'-0"

**CITY OF GAINESVILLE**  
**ALFRED A. RING PARK**  
1801 NW 23RD BOULEVARD  
GAINESVILLE, FLORIDA 32605  
CLIENT: CITY OF GAINESVILLE

REV	DATE	DESCRIPTION

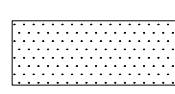
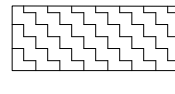



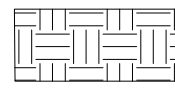
DESIGN  
DELIVERABLE: ISSUE TYPE  
ISSUE DATE: 01/03/11

PROJECT NUMBER: 1081-100718  
DRAWN BY: MS  
CHECKED BY: MR

SHEET TITLE:  
**TRAILS 4,7,8,9, &12**

SHEET NUMBER:  
**A-202**

**LEGEND**

- Jurisdictional Lines
-  Jurisdictional Area
-  Restoration Area
- ~ Rivulet
- Intermittent Stream
-  Existing Boardwalk
-  Proposed Boardwalk (Horizontal)
-  Proposed Boardwalk (Sloped)
-  Widened Path

THE ELEVATION AND SLOPE OF THE NEW BOARDWALK WILL BEGIN HORIZONTALLY AT THE EXISTING GRADE ON THE SOUTH SIDE OF THE WALK RAMP AT THE SECTIONS INDICATED ON THE PLAN WITH THE "SLOPED" HATCH AS PER DETAIL 1/S-101. REFER TO DETAIL 2/A-301 AND SHEET S-102 FOR SPANNING SECTION AND ELEVATION INFORMATION

DASHED LINE INDICATES LIMITS OF CONSTRUCTION AND IS 24" AWAY FROM THE PROPOSED BOARDWALK. INSTALL CONSTRUCTION FENCE DOWN SLOPE AT EACH BOARDWALK FROM THE START TO FINISH OF THE LIMITS OF CONSTRUCTION.

**Quantities within Jurisdictional Area**  
 Existing Boardwalk Surface Area = 841 sf  
 Proposed Boardwalk Surface Area = 1320 sf  
 Net Increase = 479 sf  
 Restoration Area = 139 sf

**2 NEW BOARDWALK 6**  
SCALE: 1" = 10'-0"

**1 DEMO BOARDWALK 6**  
SCALE: 1" = 10'-0"

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AA 26001863

**CITY OF GAINESVILLE  
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 1801 NW 23RD BOULEVARD  
 GAINESVILLE, FLORIDA 32605  
 CLIENT: CITY OF GAINESVILLE

REV	DATE	DESCRIPTION

DESIGN  
 DELIVERABLE: ISSUE TYPE  
 ISSUE DATE: 01/03/11

PROJECT NUMBER: 1081-100718  
 DRAWN BY: MS  
 CHECKED BY: MR

SHEET TITLE:  
**TRAIL 6**

SHEET NUMBER:  
**A-203**

**CITY OF GAINESVILLE  
ALFRED A. RING PARK**  
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GAINESVILLE, FLORIDA 32605  
CLIENT: CITY OF GAINESVILLE

REV	DATE	DESCRIPTION

DESIGN  
DELIVERABLE: ISSUE TYPE  
ISSUE DATE: 01/03/11

PROJECT NUMBER: 1081-100718  
DRAWN BY: MS  
CHECKED BY: MR

SHEET TITLE:  
**TRAILS 10 AND 11**

SHEET NUMBER:  
**A-204**

THE ELEVATION AND SLOPE OF THE NEW BOARDWALK WILL BEGIN HORIZONTALLY AT THE EXISTING GRADE ON THE SOUTH SIDE OF THE WALK RAMP AT THE SECTIONS INDICATED ON THE PLAN WITH THE "SLOPED" HATCH AS PER DETAIL 1/5-101. REFER TO DETAIL 3/A-301 AND SHEET S-102 FOR SPANNING SECTION AND ELEVATION INFORMATION.

DASHED LINE INDICATES LIMITS OF CONSTRUCTION AND IS 24" AWAY FROM THE PROPOSED BOARDWALK. INSTALL CONSTRUCTION FENCE DOWN SLOPE AT EACH BOARDWALK FROM THE START TO FINISH OF THE LIMITS OF CONSTRUCTION.


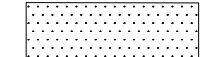
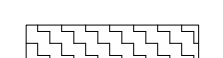
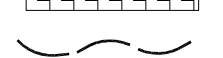





### LEGEND

- Jurisdictional Lines
- Jurisdictional Area
- Restoration Area
- Rivulet
- Intermittent Stream
- Existing Boardwalk
- Proposed Boardwalk (Horizontal)
- Proposed Boardwalk (Sloped)
- Widened Path

#### Quantities within Jurisdictional Area

Existing Boardwalk Surface Area = 764 sf  
Proposed Boardwalk Surface Area = 1152 sf  
Net Increase = 388 sf  
Restoration Area = 402 sf

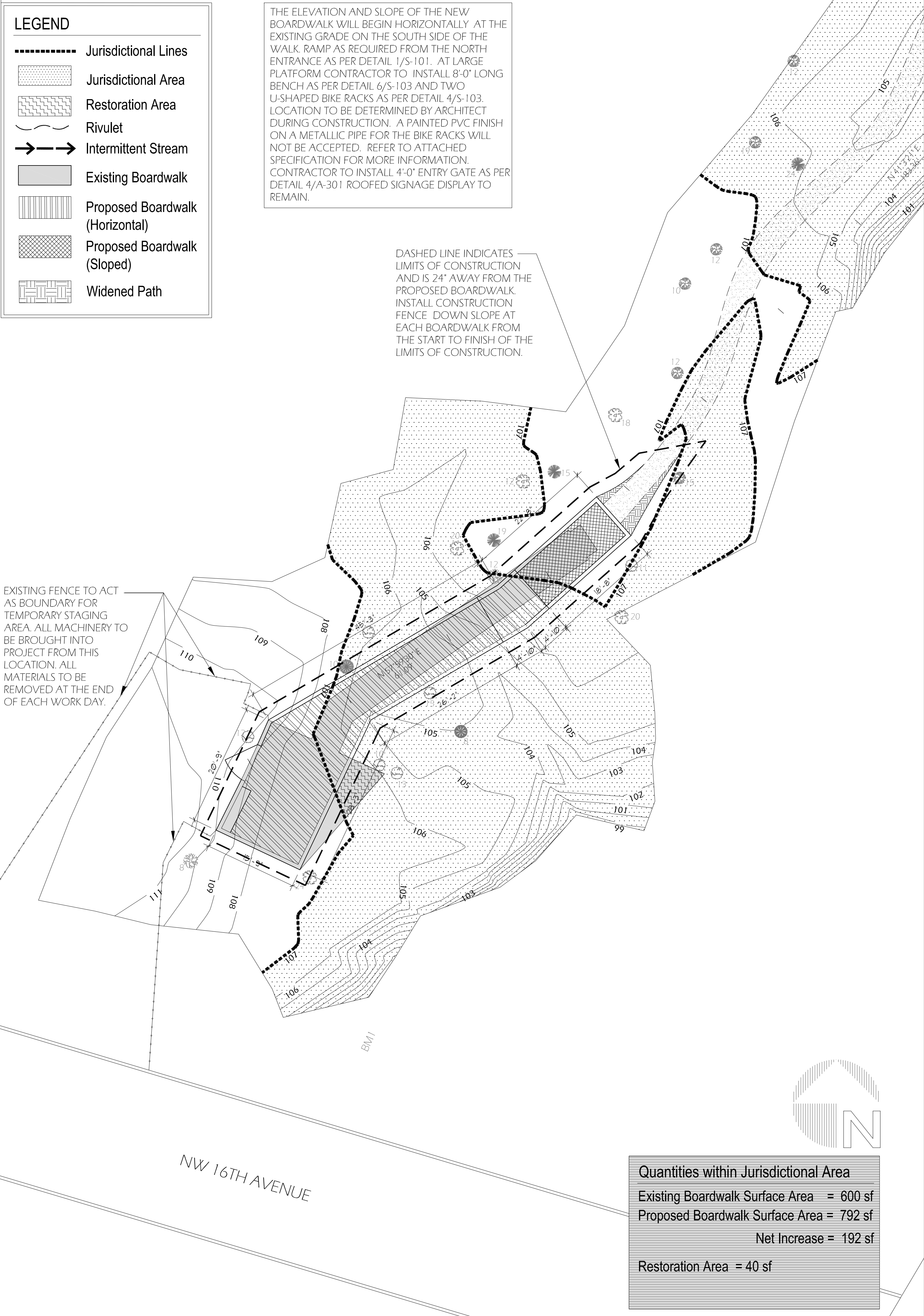
**LEGEND**

-  Jurisdictional Lines
-  Jurisdictional Area
-  Restoration Area
-  Rivulet
-  Intermittent Stream
-  Existing Boardwalk
-  Proposed Boardwalk (Horizontal)
-  Proposed Boardwalk (Sloped)
-  Widened Path

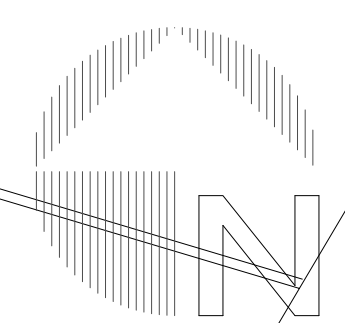
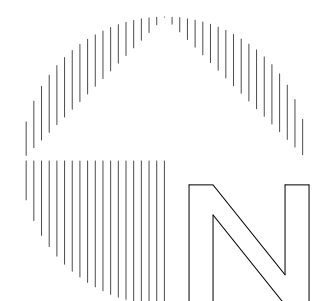
THE ELEVATION AND SLOPE OF THE NEW BOARDWALK WILL BEGIN HORIZONTALLY AT THE EXISTING GRADE ON THE SOUTH SIDE OF THE WALK. RAMP AS REQUIRED FROM THE NORTH ENTRANCE AS PER DETAIL 1/S-101. AT LARGE PLATFORM CONTRACTOR TO INSTALL 8'-0" LONG BENCH AS PER DETAIL 6/S-103 AND TWO U-SHAPED BIKE RACKS AS PER DETAIL 4/S-103. LOCATION TO BE DETERMINED BY ARCHITECT DURING CONSTRUCTION. A PAINTED PVC FINISH ON A METALLIC PIPE FOR THE BIKE RACKS WILL NOT BE ACCEPTED. REFER TO ATTACHED SPECIFICATION FOR MORE INFORMATION. CONTRACTOR TO INSTALL 4'-0" ENTRY GATE AS PER DETAIL 4/A-301 ROOFED SIGNAGE DISPLAY TO REMAIN.

DASHED LINE INDICATES LIMITS OF CONSTRUCTION AND IS 24" AWAY FROM THE PROPOSED BOARDWALK. INSTALL CONSTRUCTION FENCE DOWN SLOPE AT EACH BOARDWALK FROM THE START TO FINISH OF THE LIMITS OF CONSTRUCTION.

EXISTING FENCE TO ACT AS BOUNDARY FOR TEMPORARY STAGING AREA. ALL MACHINERY TO BE BROUGHT INTO PROJECT FROM THIS LOCATION. ALL MATERIALS TO BE REMOVED AT THE END OF EACH WORK DAY.



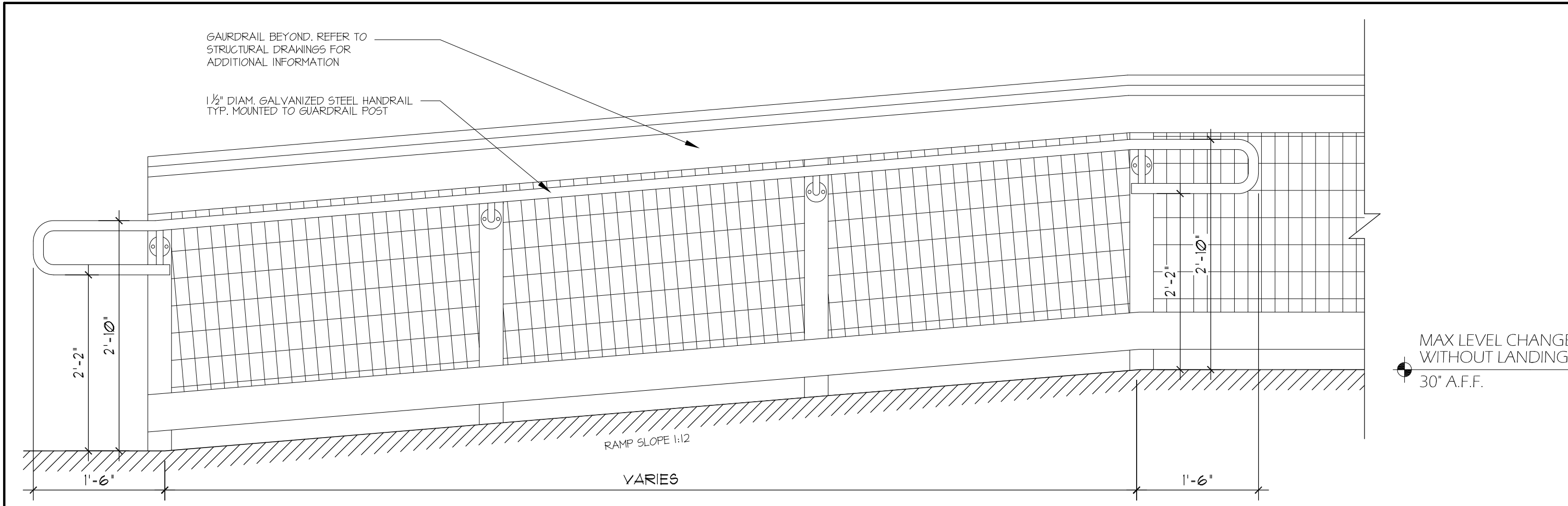
Quantities within Jurisdictional Area	
Existing Boardwalk Surface Area	= 600 sf
Proposed Boardwalk Surface Area	= 792 sf
Net Increase	= 192 sf
Restoration Area	= 40 sf



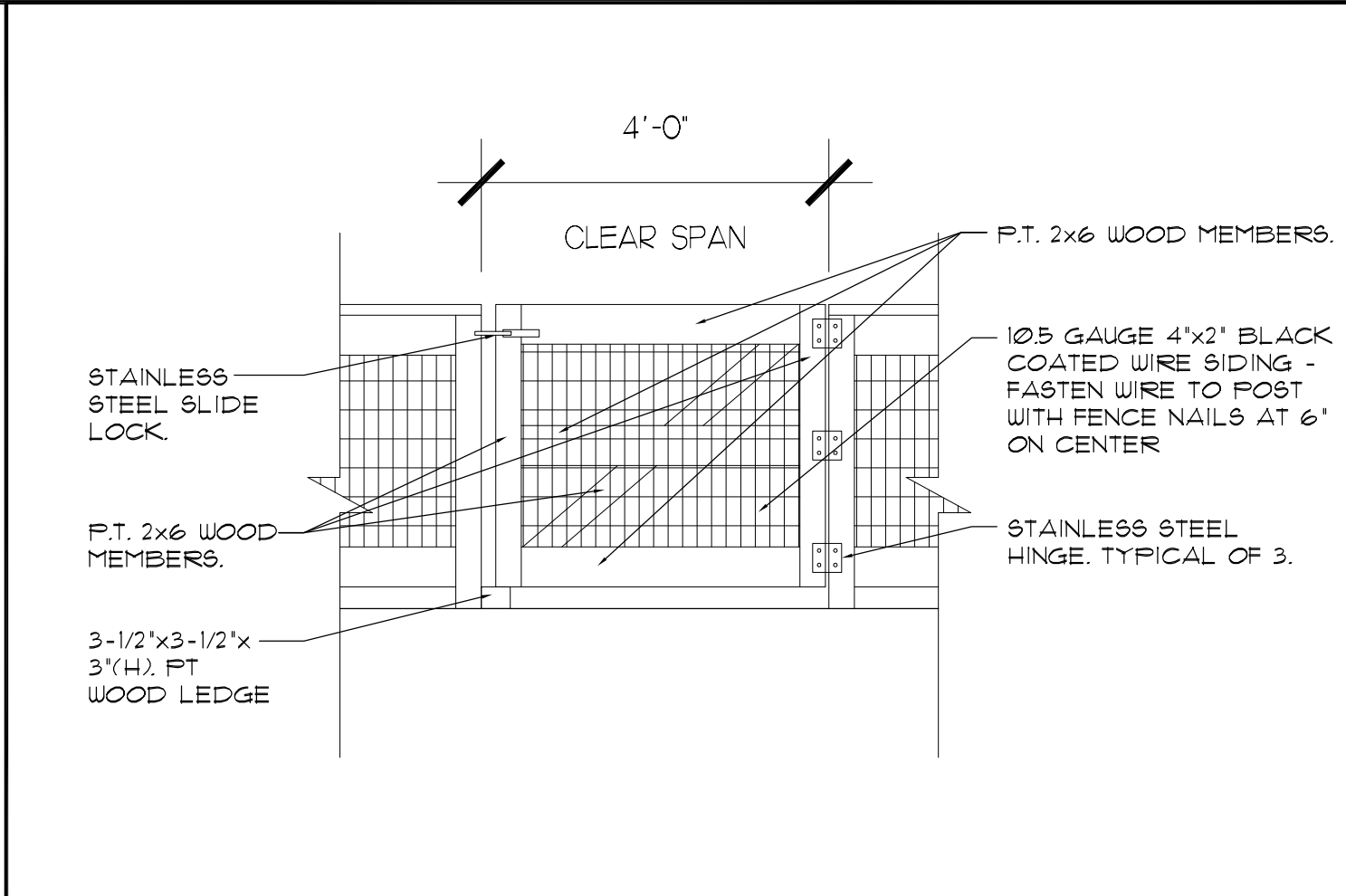
REV	DATE	DESCRIPTION

DESIGN DELIVERABLE: ISSUE TYPE	ISSUE DATE: 01/03/11
PROJECT NUMBER: 1081-100718	DRAWN BY: MS
CHECKED BY: MR	

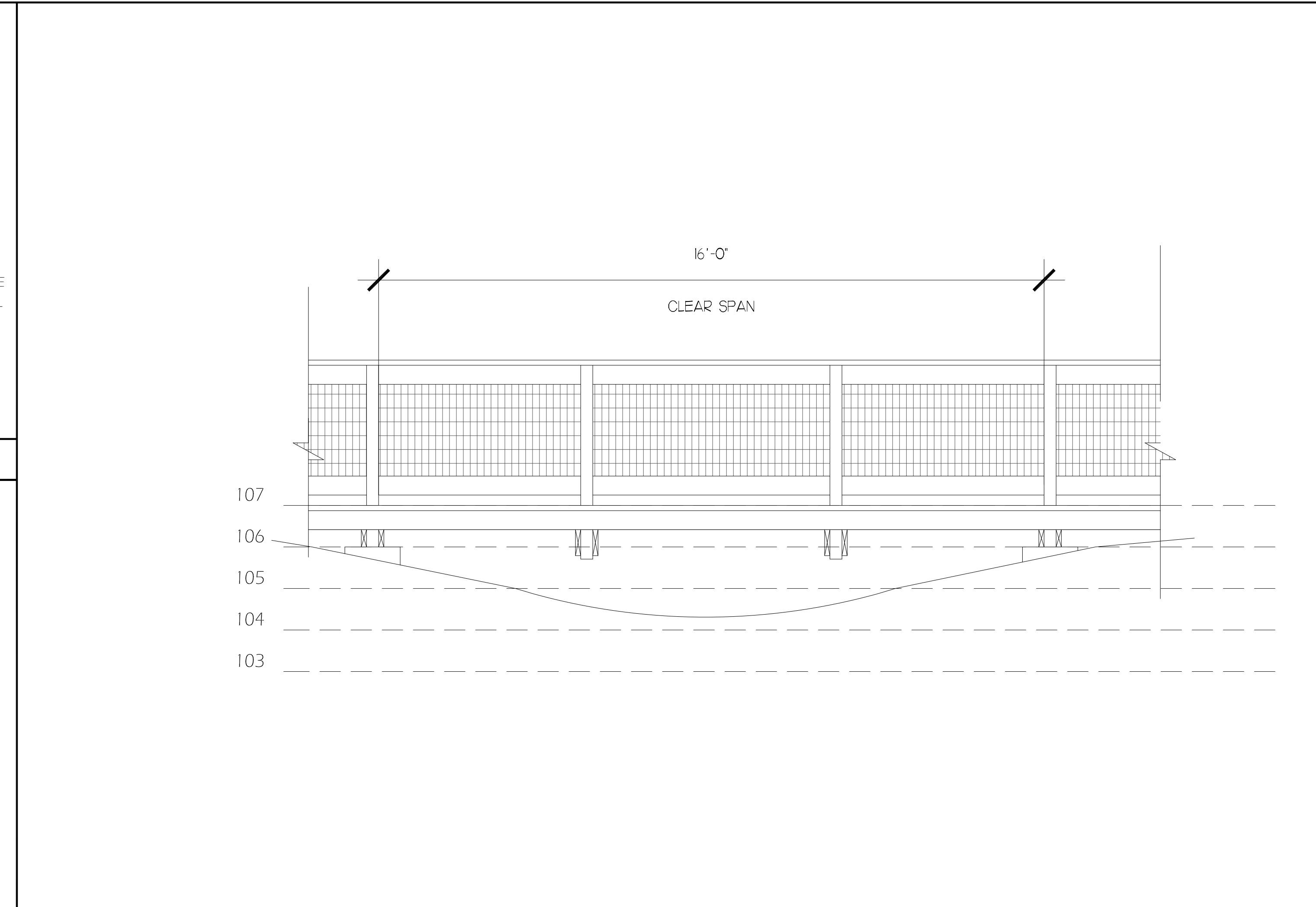




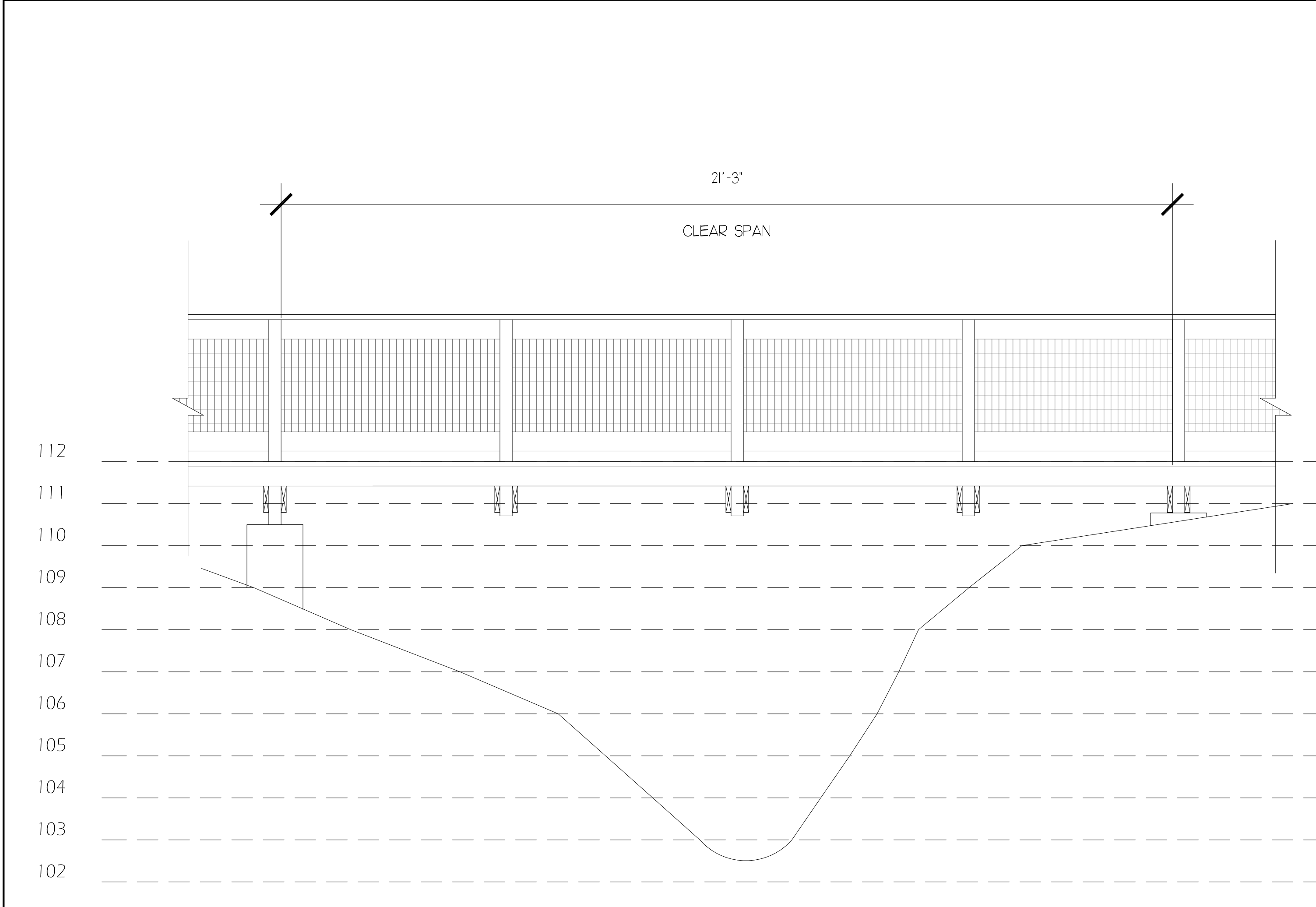
6 RAMP HANDRAIL DETAIL  
SCALE: 1" = 1'-0"



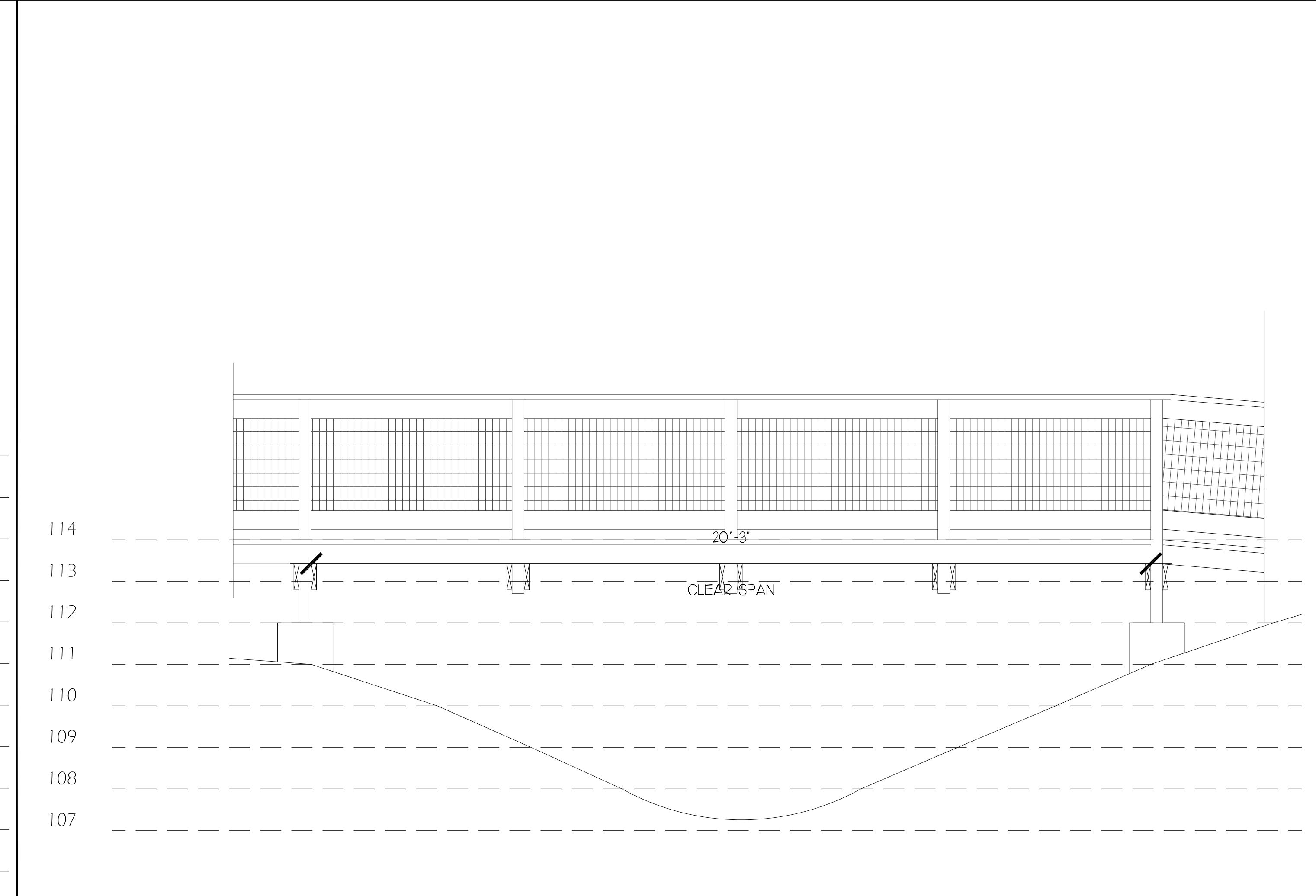
4 GATE ELEVATION  
SCALE: 1/2" = 1'-0"



3 SPANNING SECTION - BOARDWALKS 10 AND 11  
SCALE: 1/2" = 1'-0"



2 SPANNING SECTION - BOARDWALK 6  
SCALE: 1/2" = 1'-0"



1 SPANNING SECTION - BOARDWALKS 3 AND 5  
SCALE: 1/2" = 1'-0"

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CONSULTANT:

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AA 26001863  
SCALE

**CITY OF GAINESVILLE**  
**ALFRED A. RING PARK**  
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GAINESVILLE, FLORIDA 32605  
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REV	DATE	DESCRIPTION

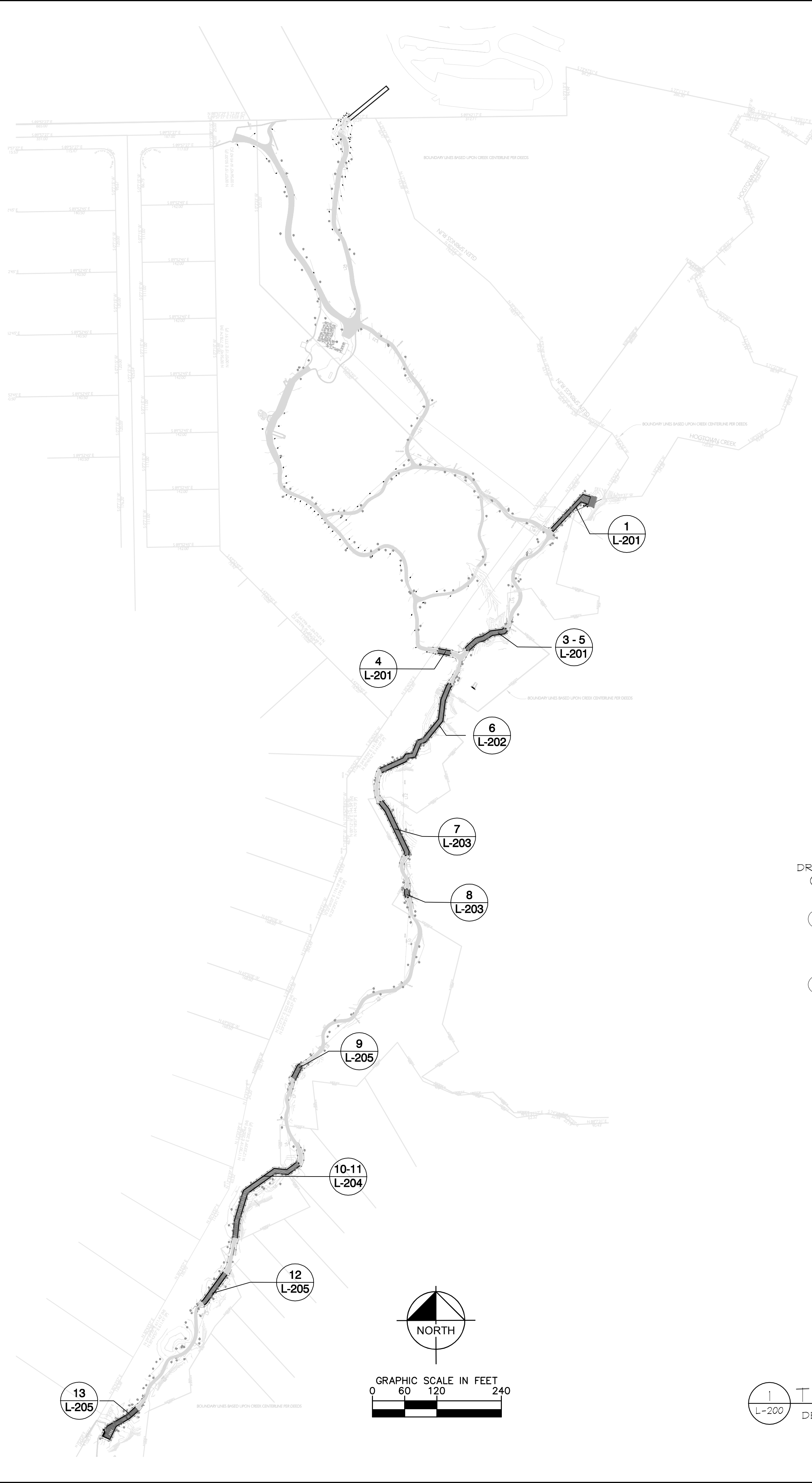
DESIGN  
DELIVERABLE: ISSUE TYPE  
ISSUE DATE: 01/03/11

PROJECT NUMBER: 1081-100718  
DRAWN BY: MS  
CHECKED BY: MR

SHEET TITLE:  
**SECTIONS**

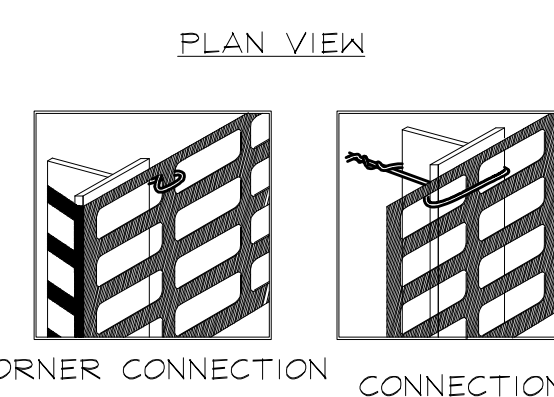
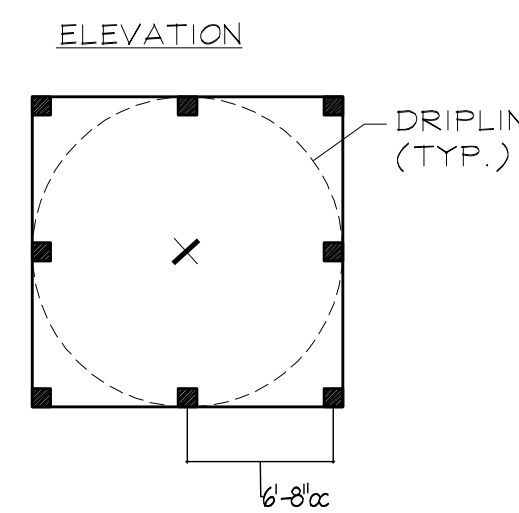
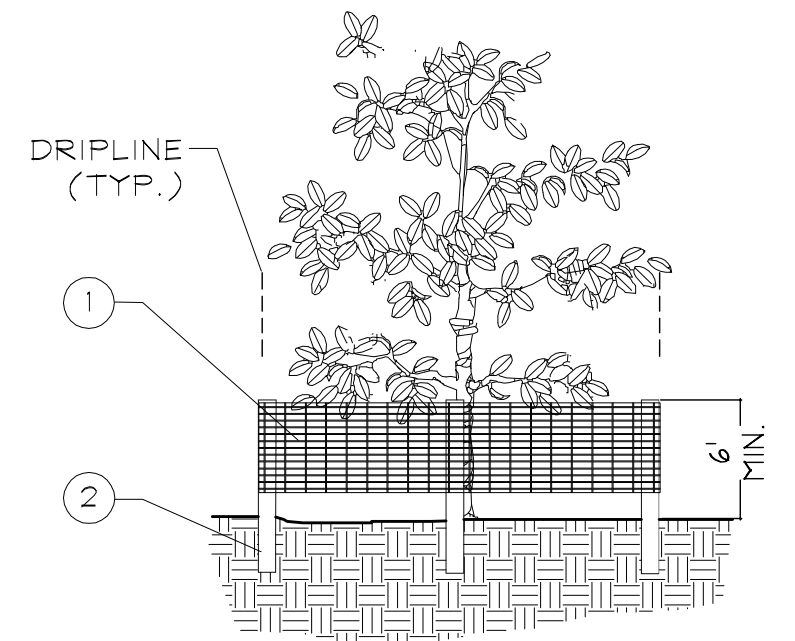
SHEET NUMBER:  
**A-301**

Drawing name: K:\SAR.URG\142237000-AlfredRingPark\URG\CADD\142237000.L-200\_Key-Index.dwg L-200 Nov 29, 2010 8:53am by: chris-clanflione  
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



**NOTES:**

- SEE BMP FOR SILT FENCING LOCATIONS & DETAILS.
- CONTRACTOR SHALL COORDINATE PHASING OF TREE MITIGATION / PROTECTION PLANS TO ENSURE THAT TREES TO REMAIN ARE FULLY PROTECTED.
- SEE SHEET L-250 FOR TREE MITIGATION NOTES.
- ALL TREES SHALL BE PRESERVED UNLESS OTHERWISE APPROVED BY PROJECT ARBORIST OR CLIENT.
- TREE PROTECTION FENCING SHALL REMAIN ERECTED AT ALL TIMES THROUGHOUT CONSTRUCTION. UPON COMPLETION OF EXISTING TRAIL AND BOARDWALK DEMOLITION, TREE PROTECTION FENCES SHALL BE RELOCATED ACCORDING TO THE PROPOSED BOARDWALK PLANS.
- TREE PROTECTION FENCES ARE TO BE ERECTED AT A MAXIMUM OF THREE FEET (3') OFF OF ONSITE STRUCTURES, BOTH EXISTING AND PROPOSED, FOR DEMOLITION AND CONSTRUCTION OF BOARDWALKS AND TRAILS; EXCEPT FOR DESIGNATED CONSTRUCTION ACTIVITY AREAS. WHERE REGULATED TREES ARE LOCATED WITHIN THREE FEET (3') OF BOARDWALK, THE TREE PROTECTION FENCE SHALL BE ERECTED DIRECTLY ADJACENT TO THE DEMOLITION / PROPOSED BOARDWALK.
- THE LIMITS OF CONSTRUCTION (LOC) SHALL BE A MAXIMUM OF 10 FEET OUTSIDE THE EXISTING ONSITE STRUCTURES SCHEDULED FOR REPLACEMENT. THE LOC WILL BE CLEARLY FLAGGED BY THE PROJECT MANAGER AND STAKED BY THE CONTRACTOR UTILIZING A COMBINATION OF ORANGE TREE BARRIER AND SURROUNDED BY AN ENTRENCHED SILT FENCE BEFORE ANY CLEARING OR REMOVAL ACTIVITY OCCURS.
- NO REGULATED TREES MAY BE DAMAGED OR REMOVED WITHIN THIS BOUNDARY WITHOUT WRITTEN APPROVAL OF THE CITY'S PROJECT MANAGER.
- NON-REGULATED TREES LOCATED WITHIN TREE PROTECTION FENCING SHALL BE PROTECTED FROM DAMAGE. IF SUCH TREES ARE DAMAGED, VERIFICATION OF THE TREE'S HEALTH MUST BE INSPECTED BY PROJECT ARBORIST. IF DAMAGED/DEAD TREES MUST BE REMOVED, REPLACEMENT TREES OF THE SAME SPECIES MUST BE REPLANTED AT CONTRACTORS COST.
- CONTRACTOR IS TO REMAIN WITHIN TREE PROTECTION FENCING AT ALL TIMES. NO WORK IS TO BE DONE OUTSIDE OF THIS ZONE WITHOUT THE COORDINATION OF PROJECT ARBORIST.
- ALL CONSTRUCTION ACTIVITY INCLUDING TRANSPORT OF MATERIALS OR PERSONNEL, MUST BE CONFINED WITHIN THE LOC.
  - PRIMARY CONSTRUCTION ACTIVITIES AND MATERIALS TRANSPORT SHOULD BE WITHIN THE EXISTING FOOTPRINT OF THE STRUCTURES TO BE REMOVED.
- AT NO TIME SHALL CONTRACTOR HAVE EQUIPMENT OR MATERIALS OUTSIDE THE EXISTING LIMITS OF THE TRAIL.
- CONTRACTOR TO COORDINATE WITH PROJECT LANDSCAPE ARCHITECT / OWNER FOR APPROVED LOCATION OF REPLACEMENT TREES



1 TREE PROTECTION BARRIER  
L-200 DETAIL NTS

**TREE REMOVAL  
&  
REPLACEMENT SCHEDULE**

	8"-20" CANOPY TREES	20"-30" HERITAGE TREES	8"-12" PINE TREES	12"-20" PINE TREES	20" + HERITAGE PINE TREES	
TOTAL TO BE REMAIN	124	27	1	21	7	
TOTAL TO BE REMOVED	2	-	-	-	-	
REPLACEMENT RATIO	2:1	1": 1"	2:1	1": 1"	1": 1"	REQ. TOTAL
REPLACEMENT QUANTITY	4	-	-	-	-	4

ANY ADDITIONAL TREES THAT MAY NEED TO BE REMOVED DURING CONSTRUCTION SHALL BE REPLACED TO MEET THE REQUIREMENTS SHOWN IN THIS SCHEDULE.

TWO (2) *ULMUS AMERICANA* AND TWO (2) *ACER SACCHARUM* SHALL BE INSTALLED AS REPLACEMENT TREES

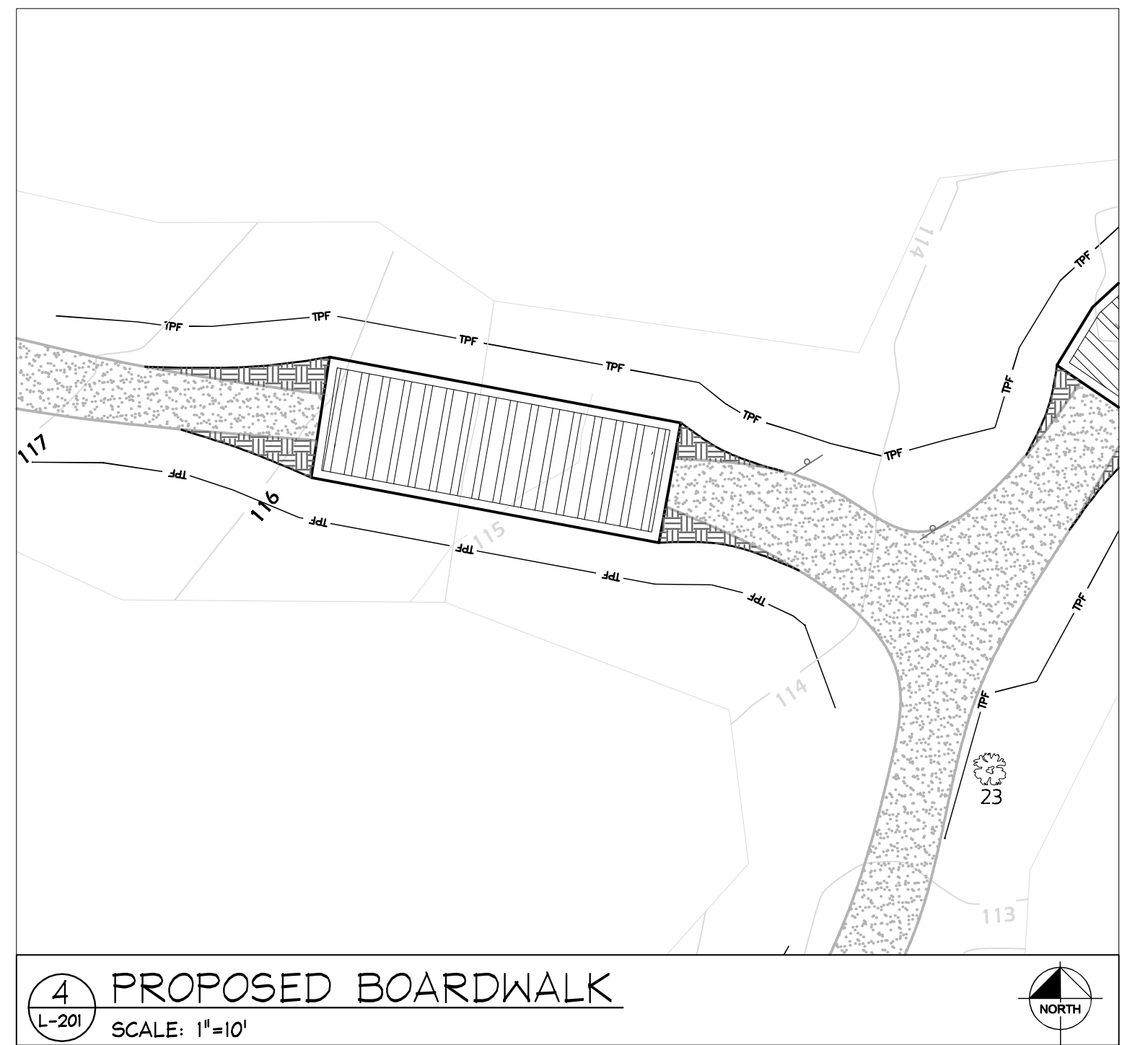
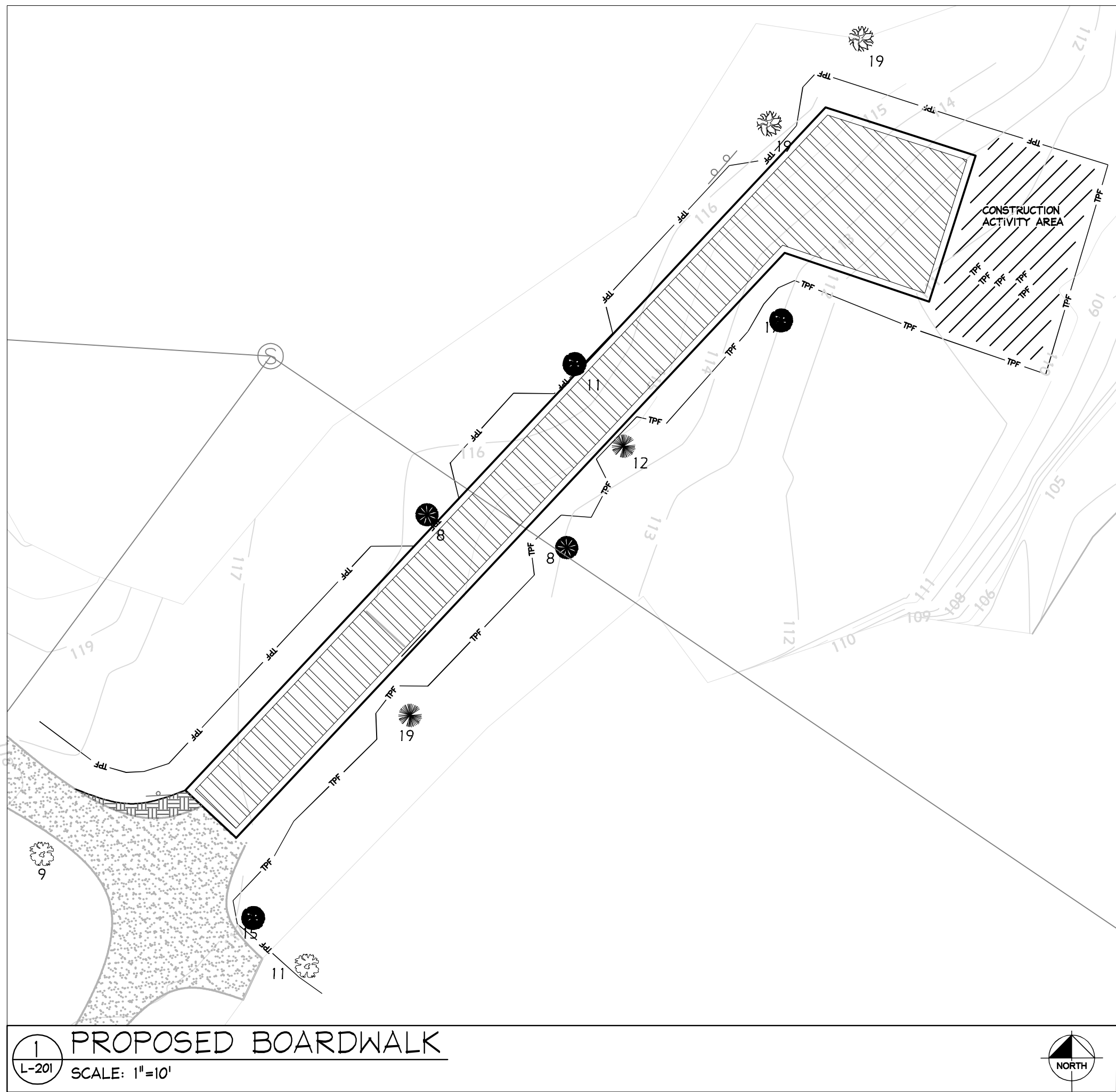
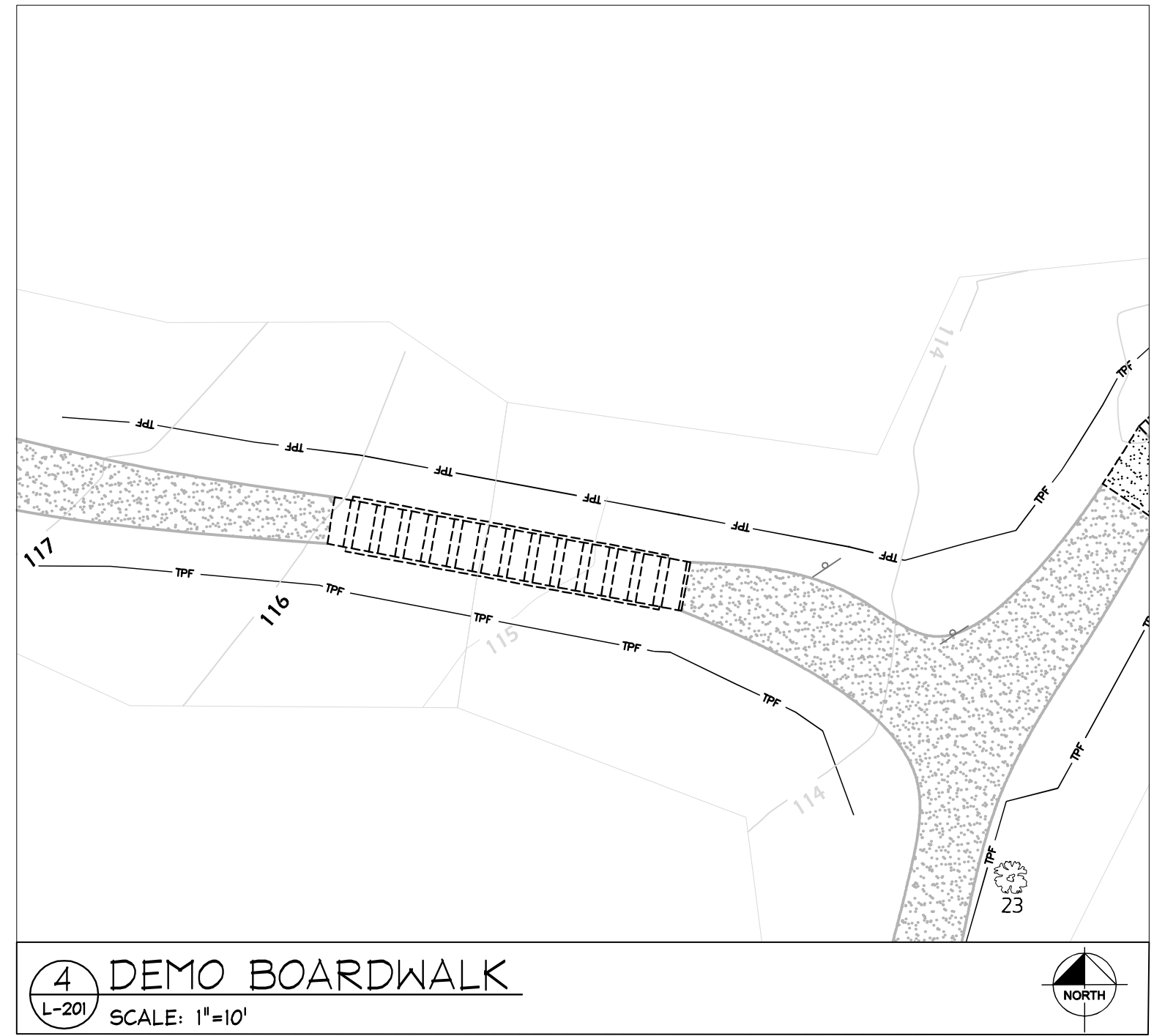
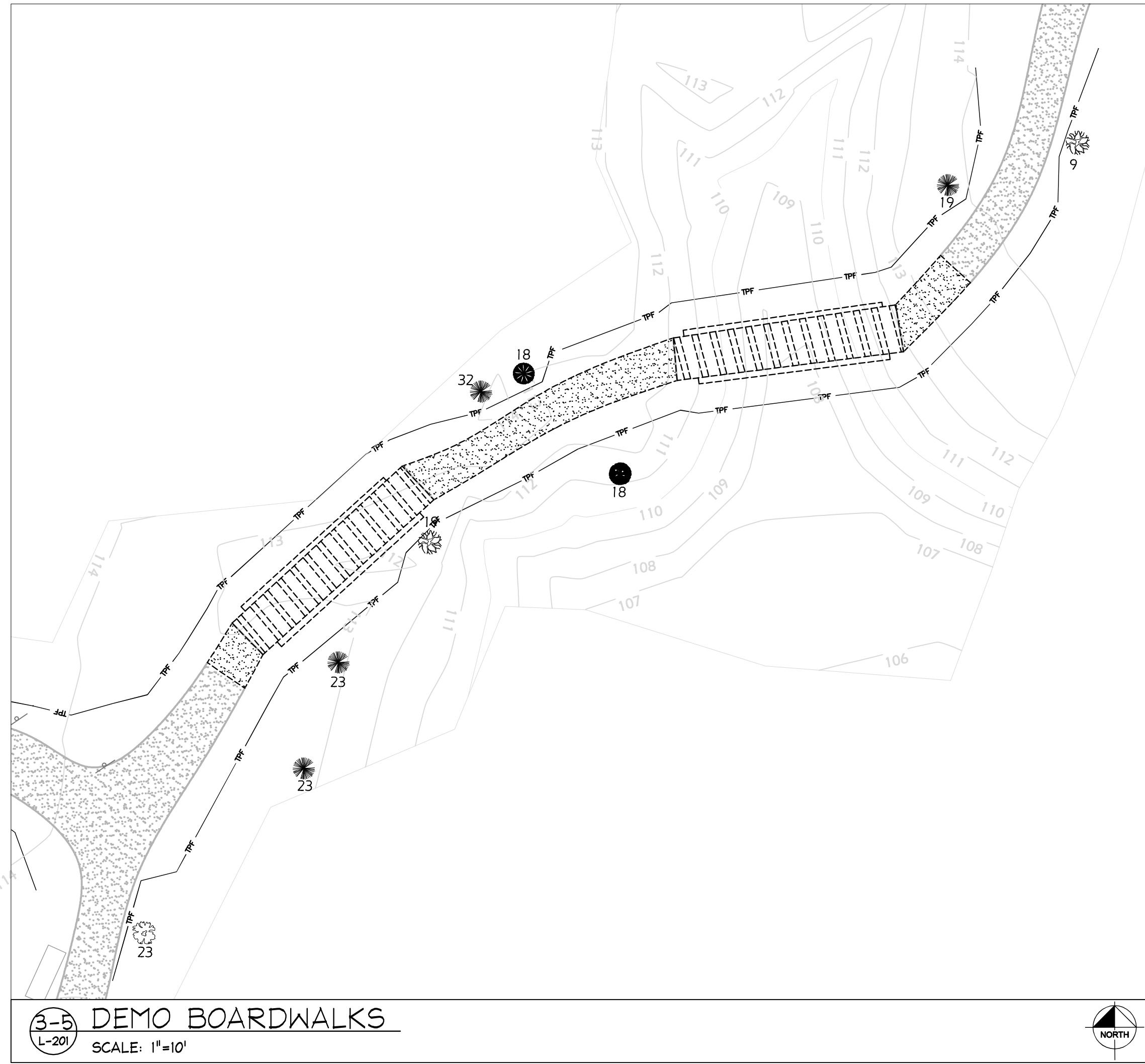
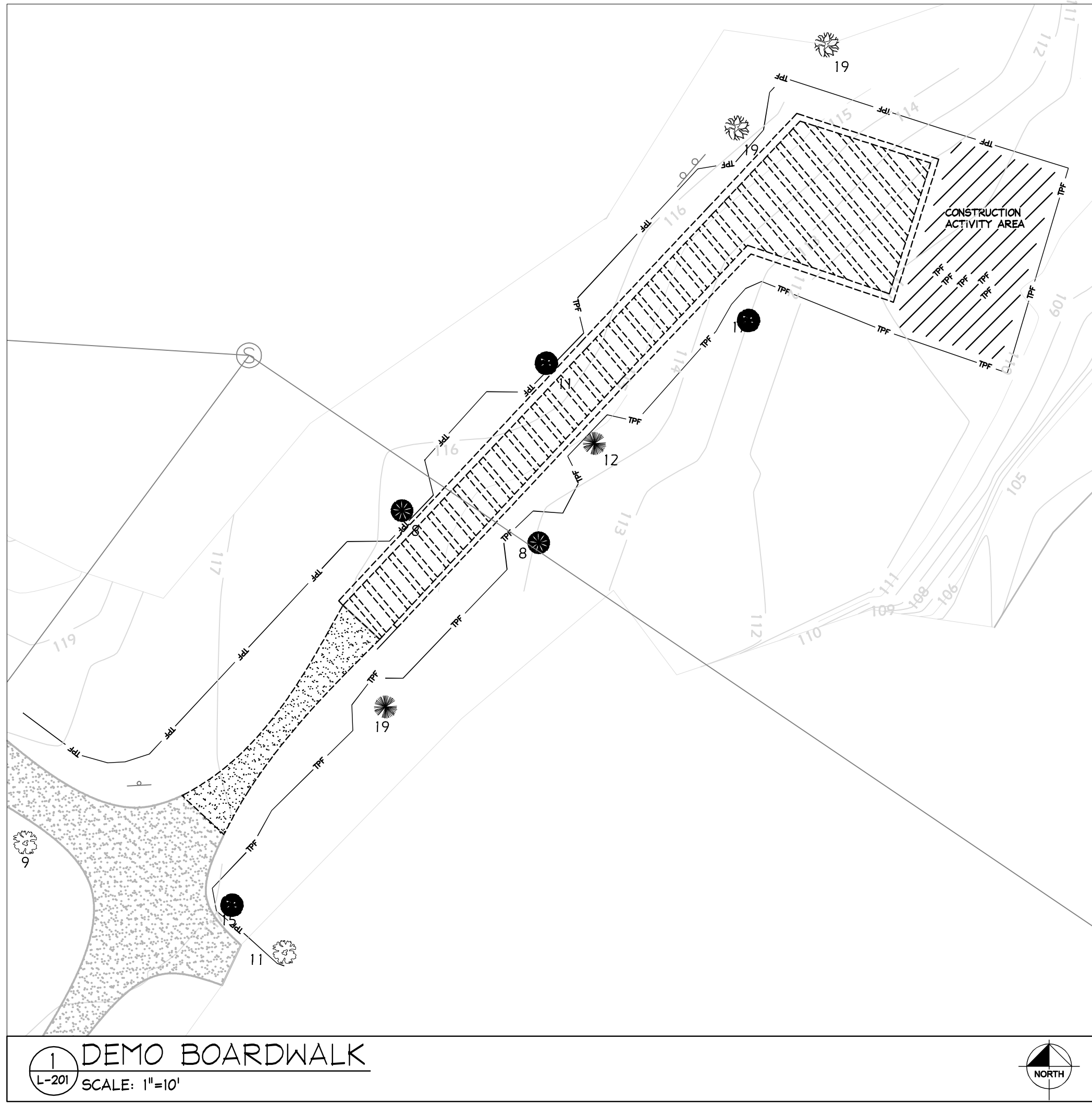
ALL REPLACEMENT TREES SHALL BE FIFTEEN (15) GALLON CONTAINER SIZE AND SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT AEGGS AND LARVAE, AND SHALL HAVE ADEQUATE ROOT SYSTEMS. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER.

**MITIGATION LEGEND**

- EXISTING TREE TO SAVE IN PLACE
- EXISTING TREE TO BE REMOVED
- EXISTING HERITAGE TREE WITH DBH GREATER THAN 20"
- DENOTES TREE OUTSIDE OF PROJECT BOUNDARY
- TREE PROTECTION FENCE
- EXISTING TREE CANOPY SPREAD

SCALE	DESIGNED BY CMH	DRAWN BY CDC	CHECKED BY CMH	DESIGN ENGINEER CHRISTOPHER M. HICE	 2010 KIMLEY-HORN AND ASSOCIATES, INC. 2601 CATTLEMAN ROAD, SUITE 200, SARASOTA, FL 34232 PHONE: 941-379-7600 FAX: 941-379-4352 WWW.KIMLEY-HORN.COM CA 0000696	REVISIONS	DATE
<b>TREE MITIGATION INDEX SHEET</b>				<b>ALFRED RING PARK CITY OF GAINESVILLE</b>		FLORIDA ALACHUA COUNTY	
				DATE 10/27/2010			
				PROJECT NO. 142237000			
				SHEET NUMBER <b>L-200</b>			

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<b>ALFRED RING PARK</b> CITY OF GAINESVILLE ALACHUA COUNTY FLORIDA		DATE: 11/29/2010	
		PROJECT NO. 142237000	SHEET NUMBER <b>L-201</b>
<b>TREE MITIGATION PLAN</b>		DESIGN ENGINEER: <b>CHRISTOPHER M. HICE</b> FLORIDA LICENSE NUMBER: <b>6666934</b>	DATE: 11/29/2010
SCALE: AS NOTED DESIGNED BY: CMH DRAWN BY: CDC CHECKED BY: CMH	Kimley-Horn and Associates, Inc. 2010 KIMLEY-HORN AND ASSOCIATES, INC. 5432 2601 CALIFORNIA AVENUE SUITE 200 GAINESVILLE, FLORIDA 32608 PHONE: 941-379-7600 FAX: 941-379-4352 WWW.KIMLEY-HORN.COM CA 00000696	REVISIONS No. _____ _____ _____ _____	DATE BY

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**6**  
 L-202  
**DEMO BOARDWALK**  
 SCALE: 1"=10'

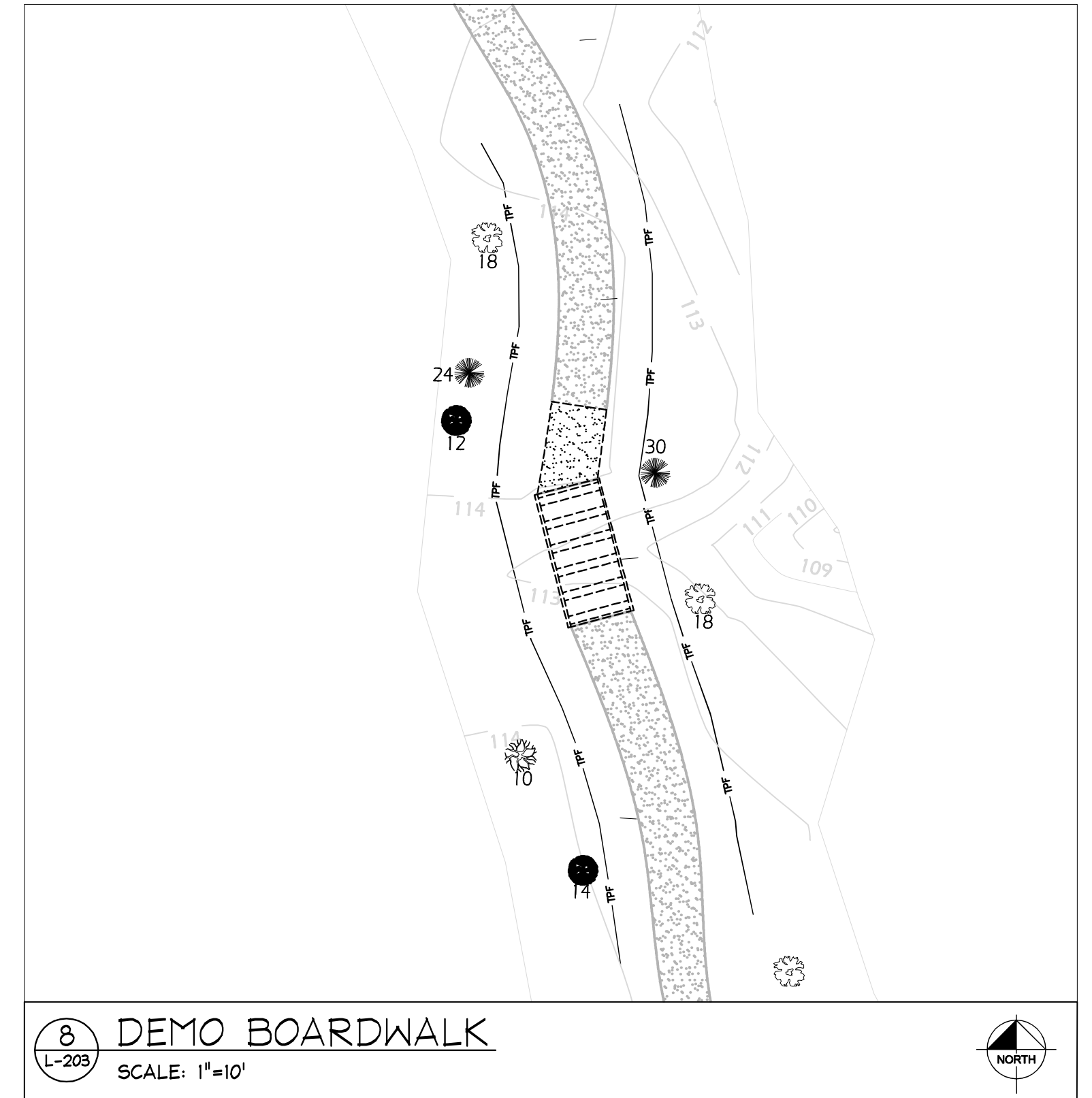
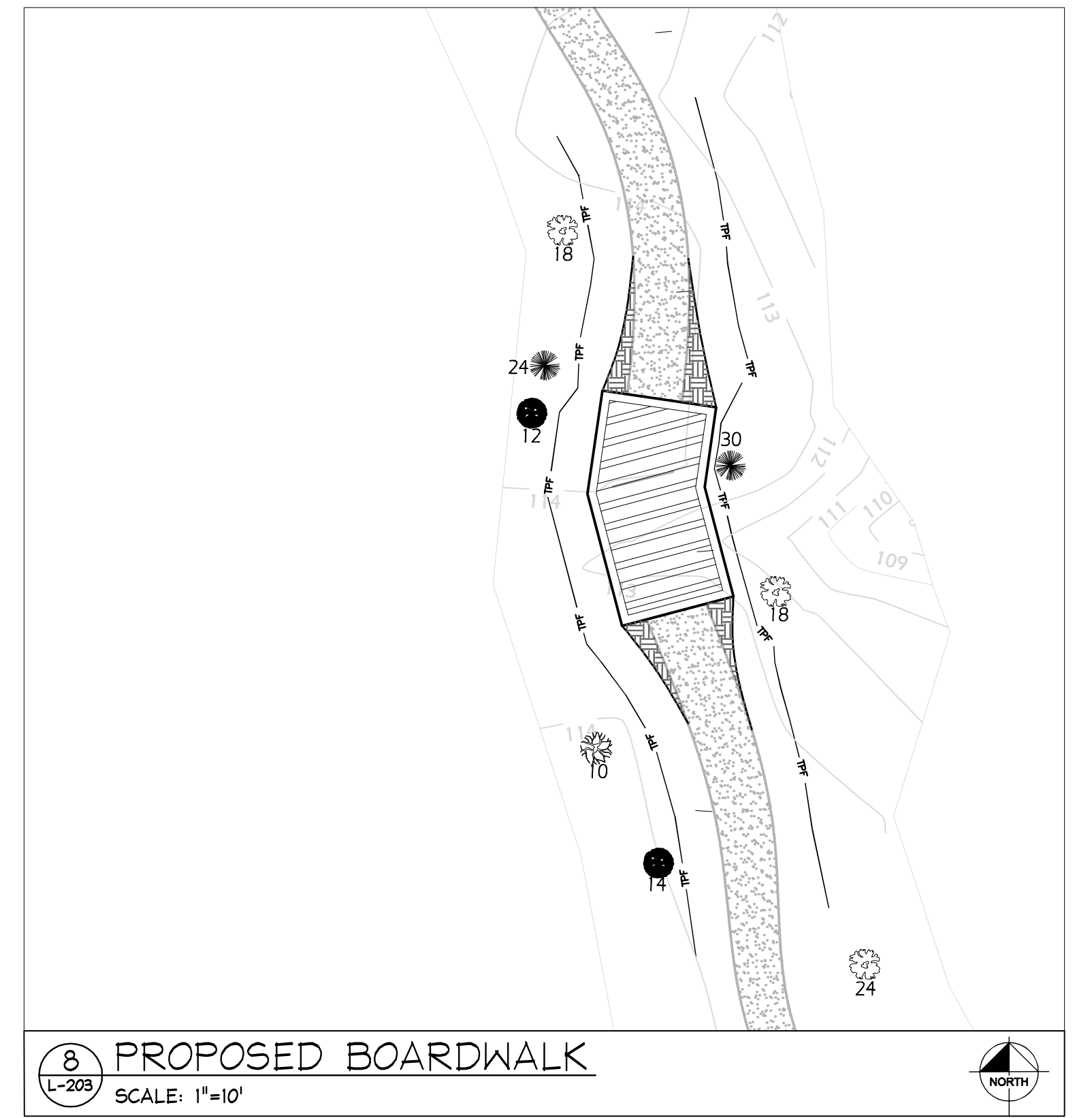
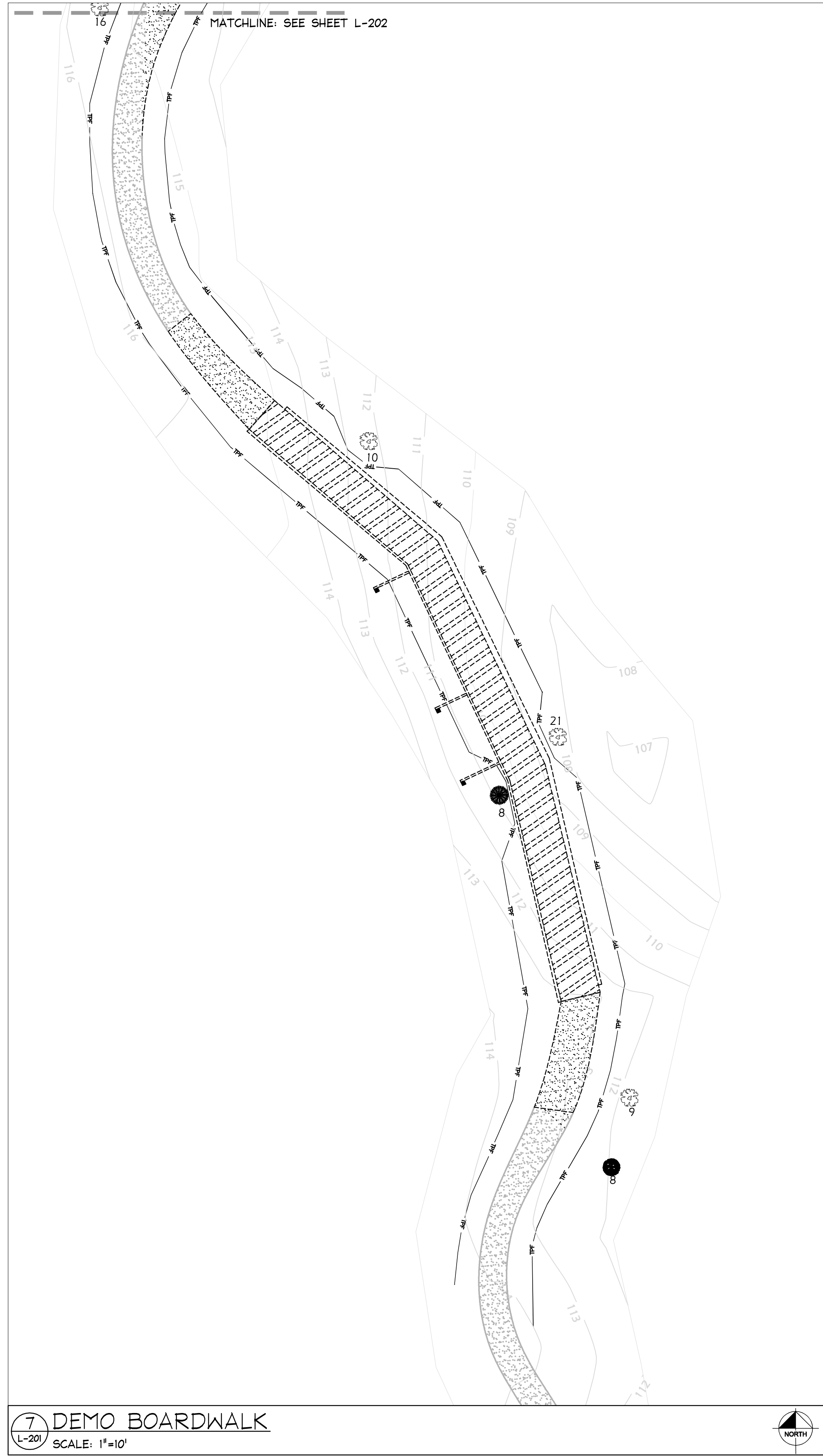


**6**  
 L-202  
**PROPOSED BOARDWALK**  
 SCALE: 1"=10'



ALFRED RING PARK CITY OF GAINESVILLE		ALACHUA COUNTY FLORIDA	
DATE			
PROJECT NO. 142237000			
SHEET NUMBER <b>L-202</b>			
SCALE	AS NOTED	DESIGN ENGINEER	DESIGNED BY
DESIGNED BY	CMH	CHRISTOPHER M. HICE	CMH
DRAWN BY	CDC	FLORIDA LICENSE NUMBER:	6666934
CHECKED BY	CMH	DATE:	11/29/2010
KIMLEY-HORN and Associates, Inc.		2010 KIMLEY-HORN AND ASSOCIATES, INC. 2601 CALIFORNIA STREET, SUITE 200 PHOENIX, AZ 85016 WWW.KIMLEY-HORN.COM	
No.		REVISIONS	
No.		DATE	

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DATE  
 PROJECT NO.  
 142237000  
 SHEET NUMBER  
**L-203**

**ALFRED RING PARK**  
 CITY OF GAINESVILLE  
 ALACHUA COUNTY FLORIDA

**TREE MITIGATION**  
**PLAN**

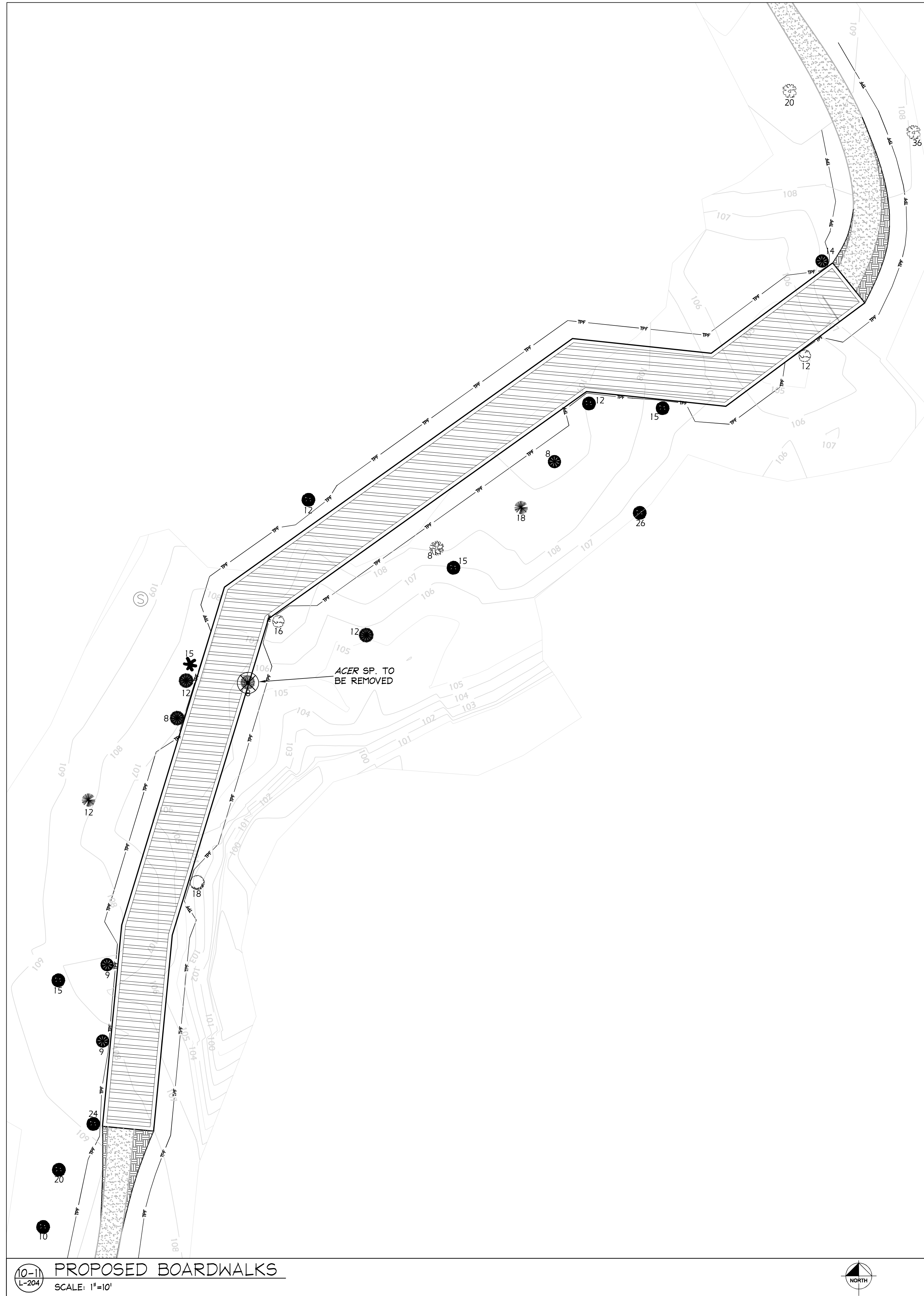
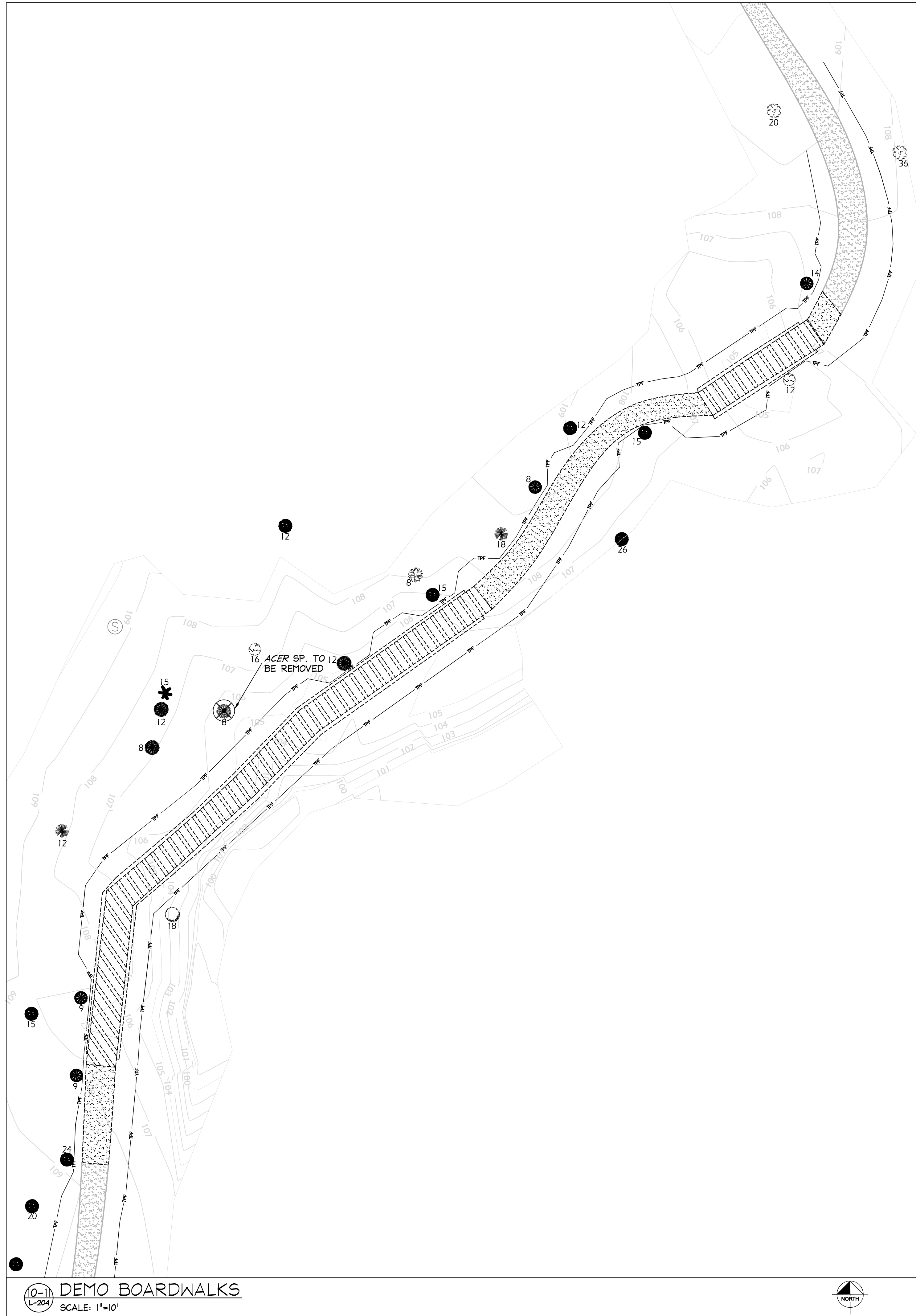
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DESIGN ENGINEER:  
**CHRISTOPHER M. HICE**  
 FLORIDA LICENSE NUMBER:  
**6666934**  
 DATE: 11/29/2010

**Kimley-Horn and Associates, Inc.**  
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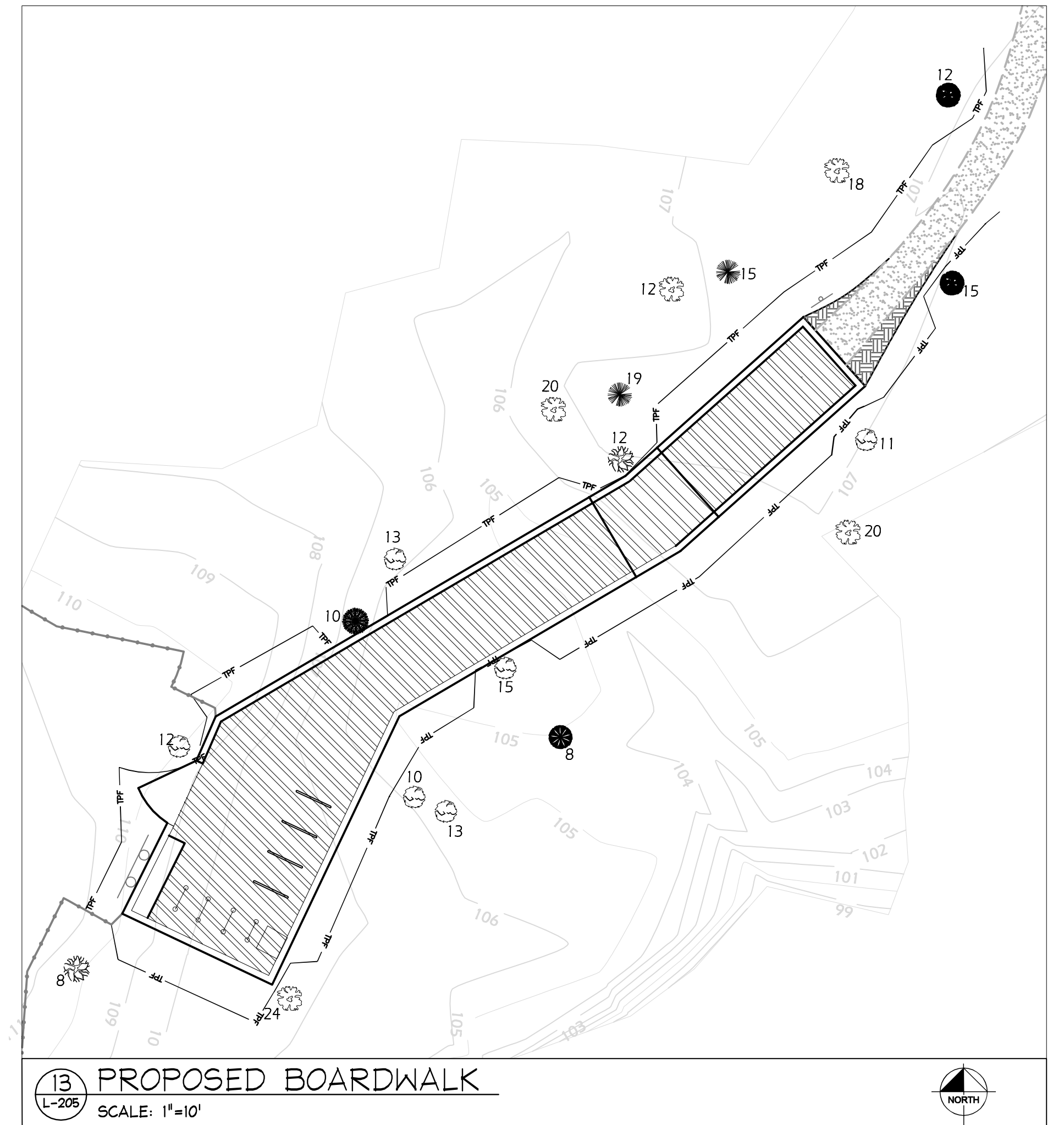
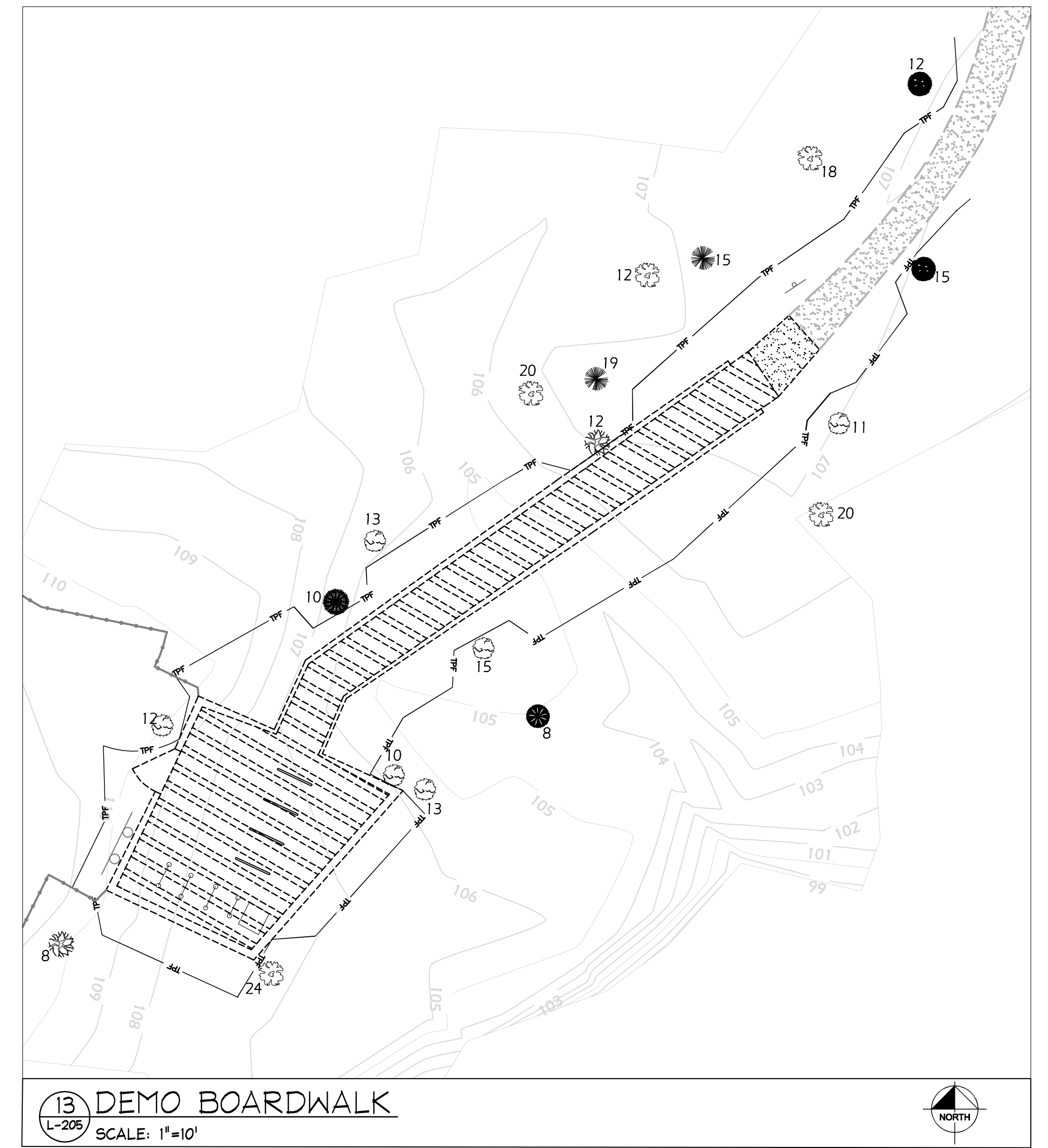
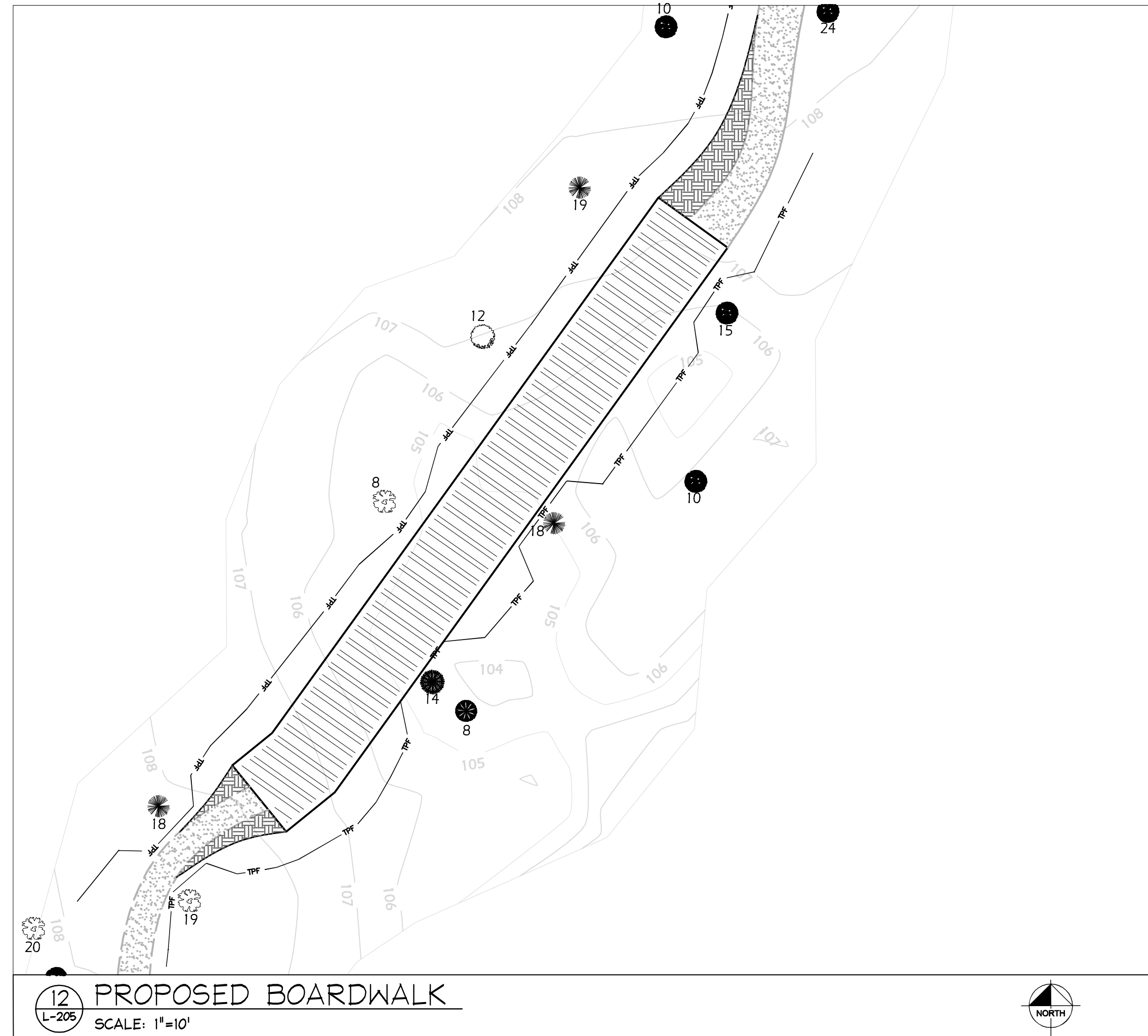
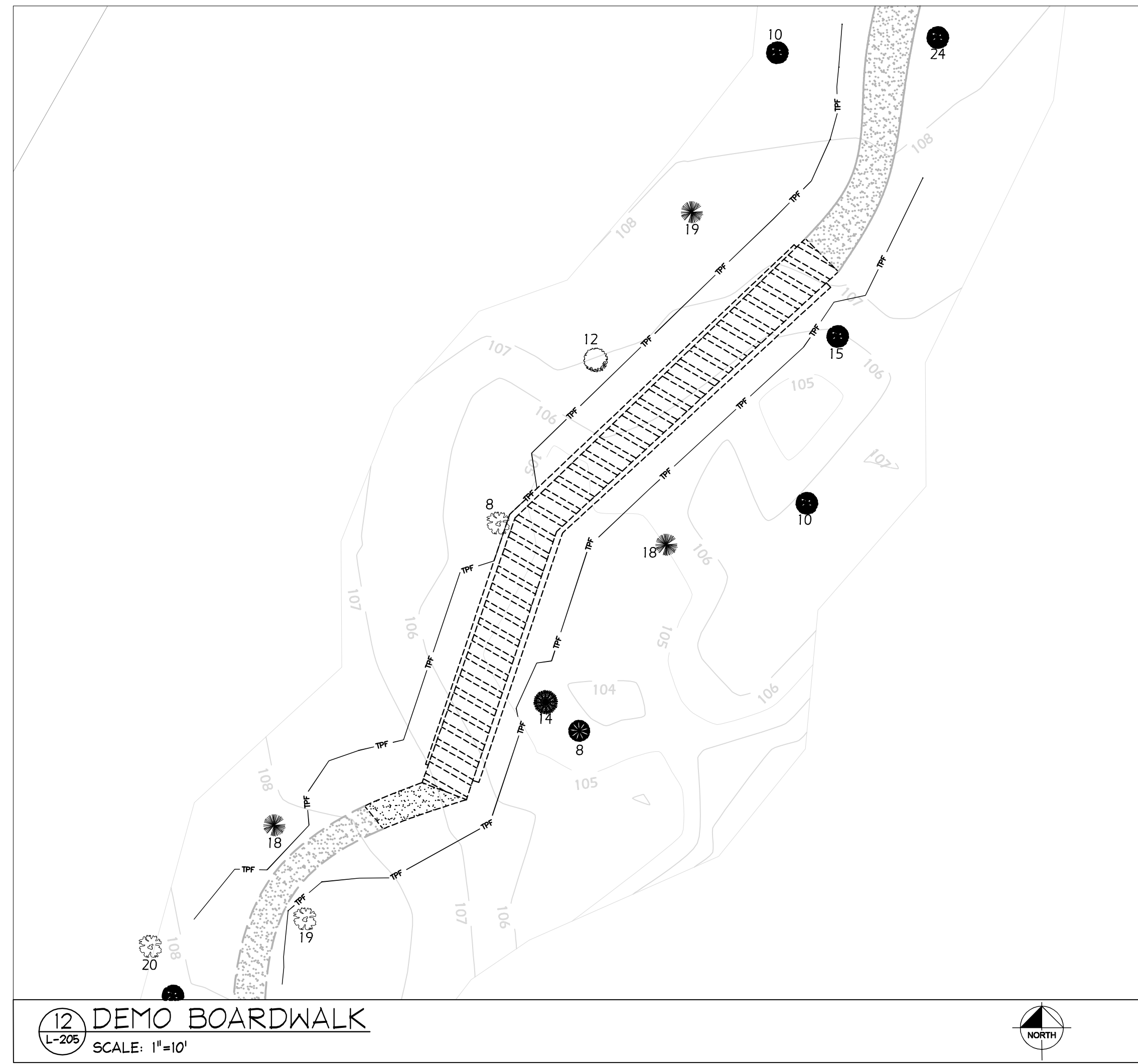
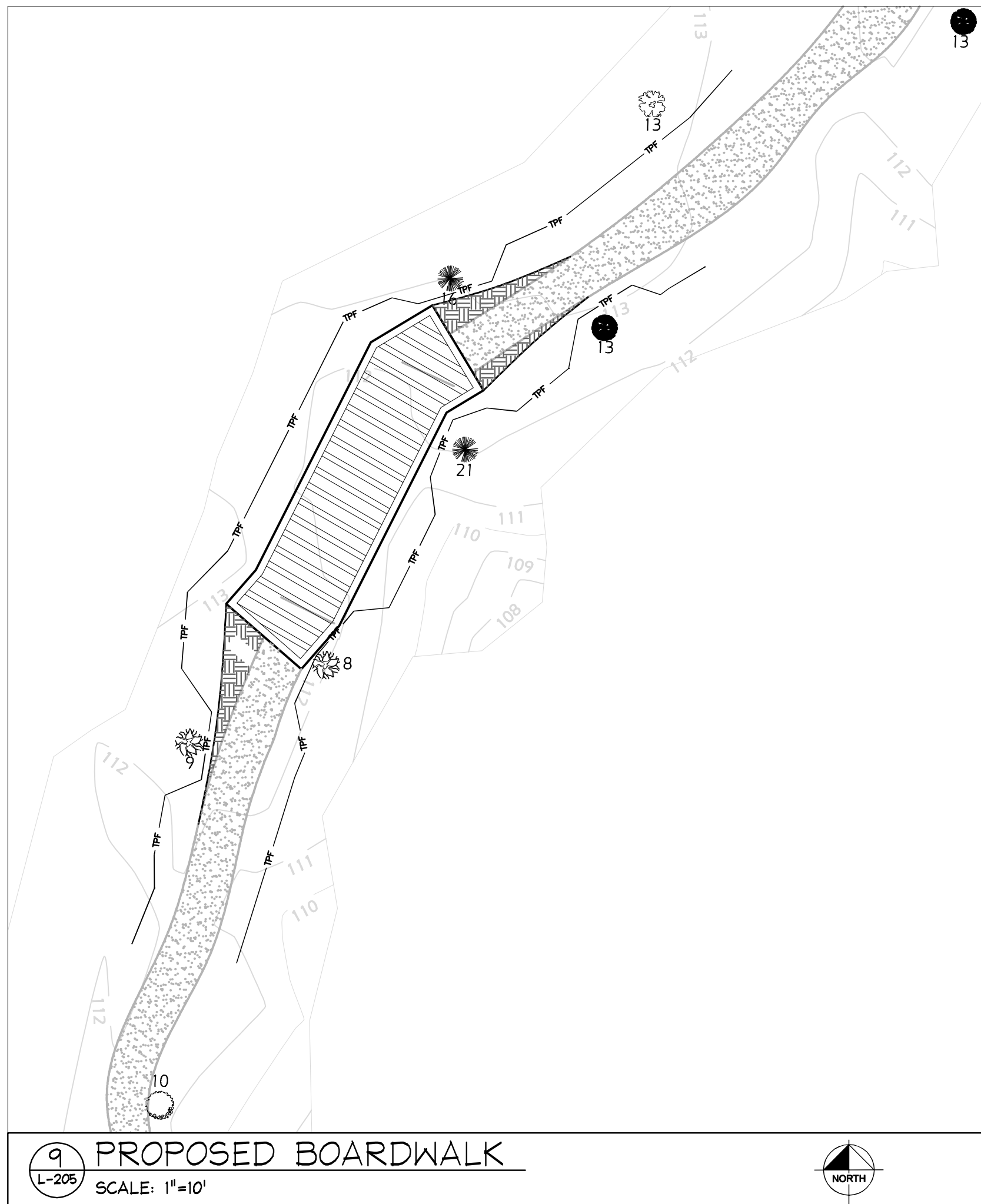
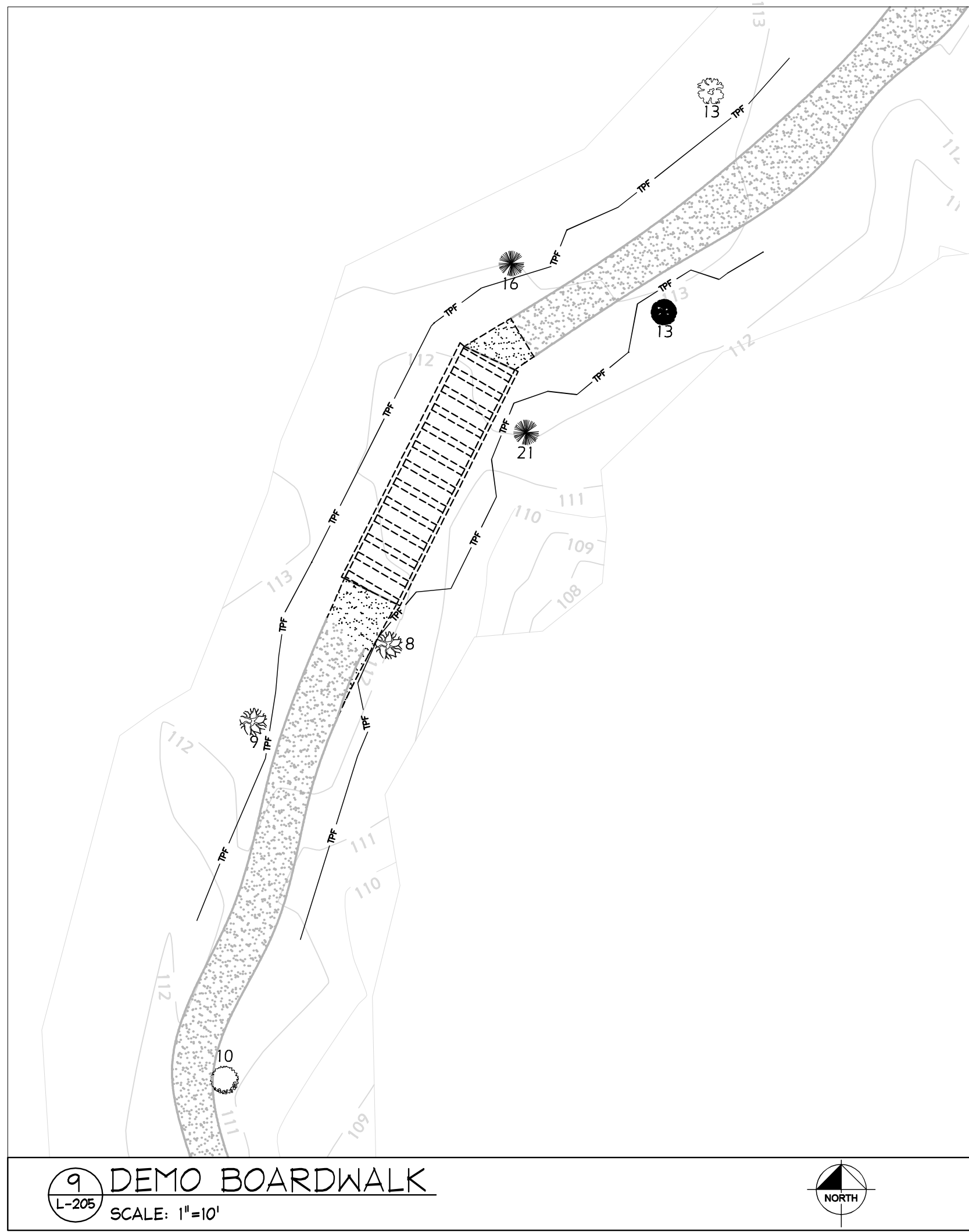
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ALFRED RING PARK CITY OF GAINESVILLE		ALACHUA COUNTY FLORIDA	
DATE			
PROJECT NO. 142237000			
SHEET NUMBER L-204			
SCALE	AS NOTED	DESIGNED BY	CMH
DRAWN BY	CDC	CHECKED BY	CMH
DESIGN ENGINEER:	CHRISTOPHER M. HICE		
	FLORIDA LICENSE NUMBER: 6666934		
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<b>ALFRED RING PARK</b> CITY OF GAINESVILLE ALACHUA COUNTY FLORIDA	<b>TREE MITIGATION PLAN</b>
DATE	PROJECT NO. 142237000
SHEET NUMBER	L-205
SCALE AS NOTED DESIGNED BY CMH DRAWN BY GDC CHECKED BY CMH	DESIGN ENGINEER: <b>CHRISTOPHER M. HICE</b> FLORIDA LICENSE NUMBER: <b>6666934</b> DATE: 11/29/2010
2010 KIMLEY-HORN AND ASSOCIATES, INC. 2601 CALIFORNIA AVENUE, SUITE 200 GAINESVILLE, FLORIDA 32608 PHONE: 352-379-7600 FAX: 352-379-4352 WWW.KIMLEY-HORN.COM CA 00000696	
No.	REVISIONS
BY	DATE

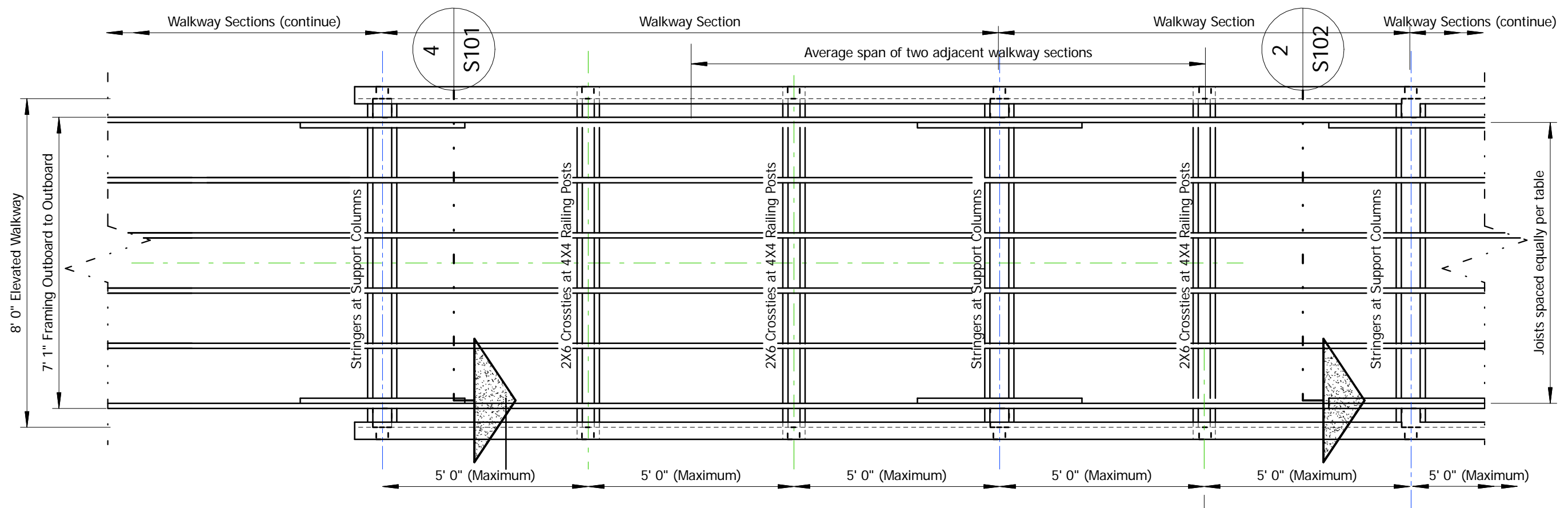
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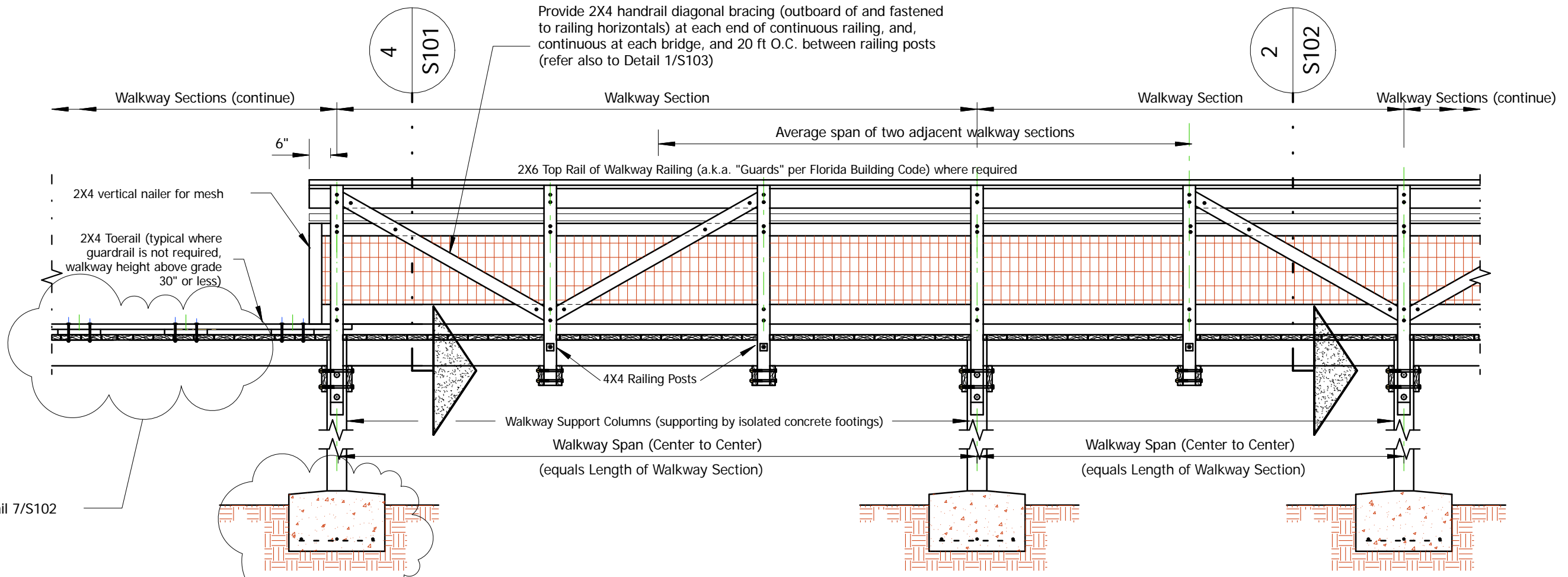
SHEET TITLE:

SHEET OF  
SHEET NUMBER:  
**S-101**



Typical Elevated Walkway Framing (Plan View)  
Scale 3/8" = 1' 0"

JOIST SIZE DETERMINED BY USING TABLE 1 ON SHEET S102 BASED UPON THE SECTION SPAN  
STRINGER AND FOOTING SIZE DETERMINE BY USING TABLE 2 ON SHEET S102 BASED UPON THE AVERAGE SECTION SPAN  
REFER TO DETAIL 3 / S103 FOR JOIST LAPS AT STRINGERS AND OUTBOARD JOIST BUTT AT COLUMNS  
ELEVATED WALKWAY (BOARDWALK) MUST BE X-BRACED LONGITUDINALLY AS DESCRIBED AT DETAIL 4/S101



Typical Elevated Walkway Partial Longitudinal Elevation  
Scale 3/8" = 1' 0"

JOIST SIZE DETERMINED BY USING TABLE 1 ON SHEET S102 BASED UPON THE SECTION SPAN  
STRINGER AND FOOTING SIZE DETERMINE BY USING TABLE 2 ON SHEET S102 BASED UPON THE AVERAGE SECTION SPAN  
REFER TO DETAIL 3 / S103 FOR JOIST LAPS AT STRINGERS AND OUTBOARD JOIST BUTT AT COLUMNS  
ELEVATED WALKWAY (BOARDWALK) MUST BE X-BRACED LONGITUDINALLY AS DESCRIBED AT DETAIL 4/S101

Wind Design Data:  
100 mph Exposure B  
Importance Factor: 1.0  
Enclosure Classification: Open (GCpl = ±0.0)

**GENERAL NOTES**

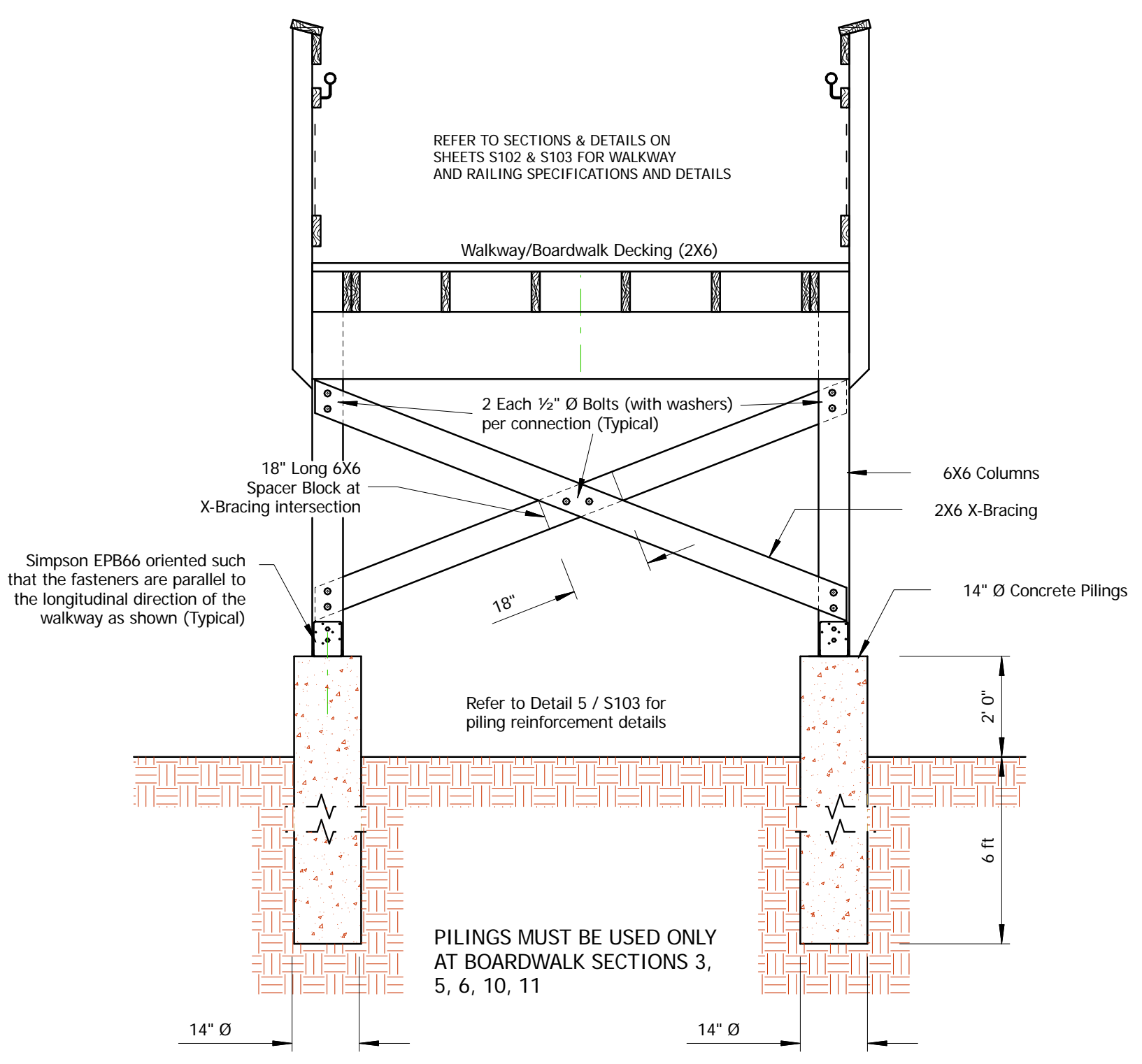
- Wood framing and fasteners to meet NDS-2005 requirements. All Pressure treated lumber shall be made for ground contact use with a minimum 0.60 pcf treatment concentration.
- Fastener requirements: (a) Fasteners exposed to the weather are to be treated for weather resistance and compatible with the type of pressure treated wood used (connectors, screws, nails, bolts, nuts and washers). (b) Hardware (Simpson, etc.) is to be installed according to manufacturer's specifications and recommendations.
- Flathead deck screws shall be driven flush with the surface of the wood.

**Concrete Construction Notes**

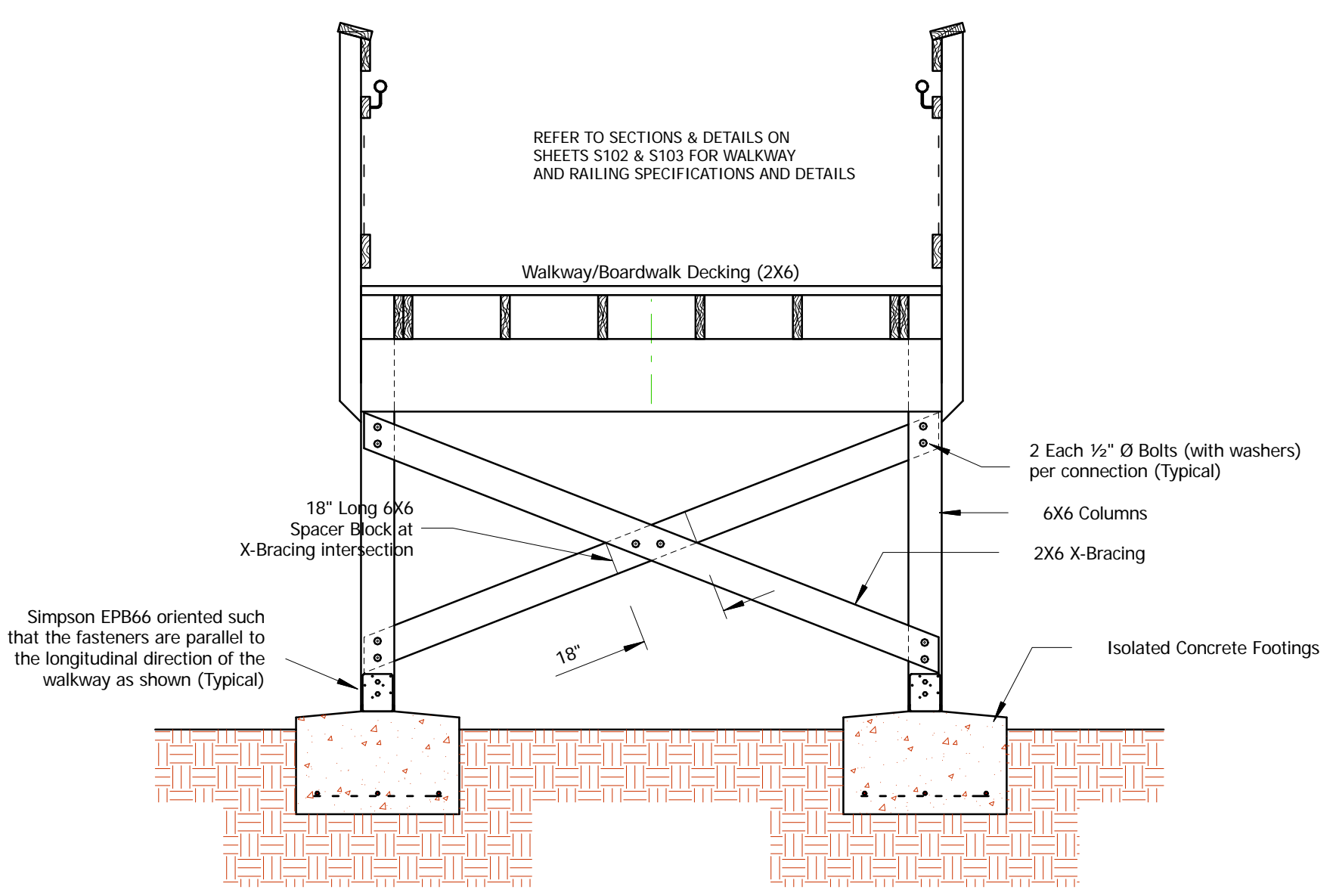
- Concrete work shall conform to "Building Code Requirements for Reinforced Concrete" (ACI-318) and "Specifications for Structural Concrete" (ACI-301), Latest Edition.
- Concrete Mix shall be as per table below for be used for footings and walkway transitions. All concrete mixes shall contain a water-reducing admixture conforming to ASTM C-494. Air-entraining admixture shall conform to ASTM C-260.

	Mix
Ultimate Compressive Strength @ 28 days	3,000 psi
Slump Range	4" +/- 1"
Maximum Aggregate Size	1"
Entrained Air	5% to 7%
Dry Weight per Cubic Foot	150#

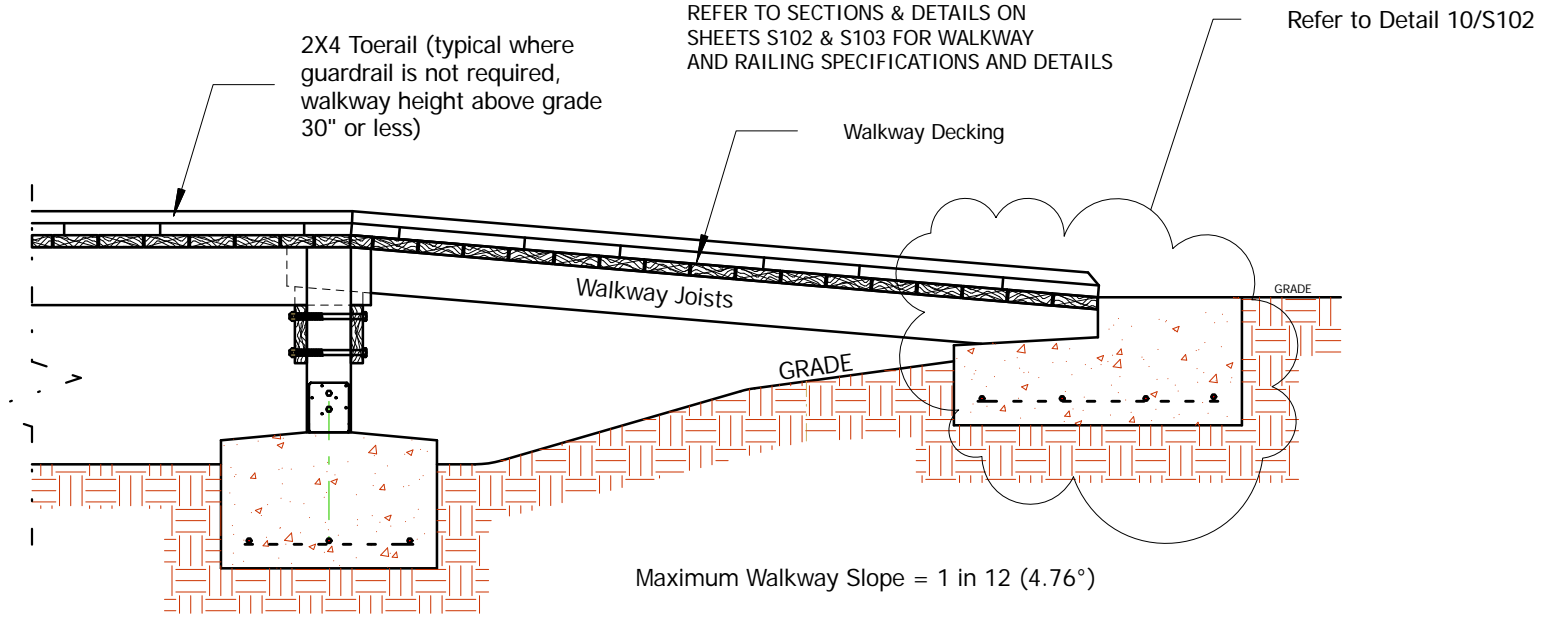
- All concrete shall be cured for a minimum of 28 days. If forms for vertical surfaces are removed prior to the end of the curing period, spray surfaces with liquid membrane curing compound. Reinforcing steel shall conform to ASTM A615, Grade 40 (Fy = 40 ksi). Lap continuous bars for tension lap splice per ACI-318, unless otherwise noted. Provide corner bars of same size and spacing as horizontal wall reinforcement. Cover for concrete reinforcing steel shall be in accordance with ACI-318, Paragraph 7.7.



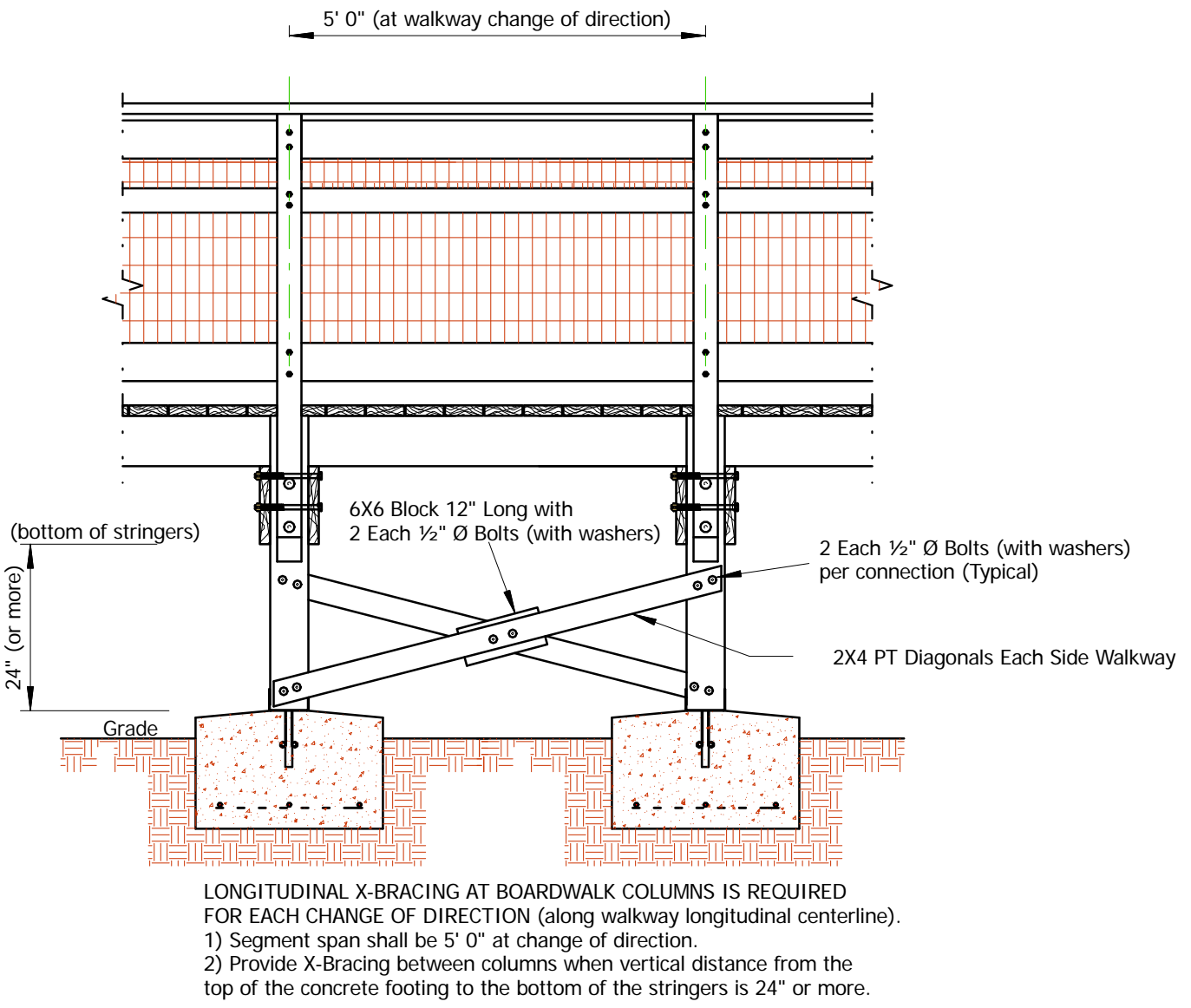
Piling Support Foundation Detail (3)  
Scale 1/2" = 1' 0"



Lateral X-Bracing Detail (2)  
Scale 1/2" = 1' 0"



Elevation View - Boardwalk (Walkway) Transition to Grade (1)  
Scale 1/2" = 1' 0"



Longitudinal X-Bracing Requirement Detail (4)  
Scale 1/2" = 1' 0"

LONGITUDINAL X-BRACING AT BOARDWALK COLUMNS IS REQUIRED FOR EACH CHANGE OF DIRECTION (along walkway longitudinal centerline).  
1) Segment span shall be 5' 0" at change of direction.  
2) Provide X-Bracing between columns when vertical distance from the top of the concrete footing to the bottom of the stringers is 24" or more.



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 F: 954 961 6807  
 www.synalovski.com

CLIENT:  
 CITY OF GAINESVILLE

STRUCTURAL CONSULTANT:  
 DRISCOLL ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 EB 8890  
 GAINESVILLE, FL 32605-7577 Pnw(352)351-1513

Michael E. Driscoll, P.E.  
 Fl. Reg. #43922

CITY OF GAINESVILLE  
**ALFRED A. RING PARK**  
 Gainesville, Florida  
 CLIENT: CITY OF GAINESVILLE

**TABLE 1 - Walkway Joist Selection by Section Span**

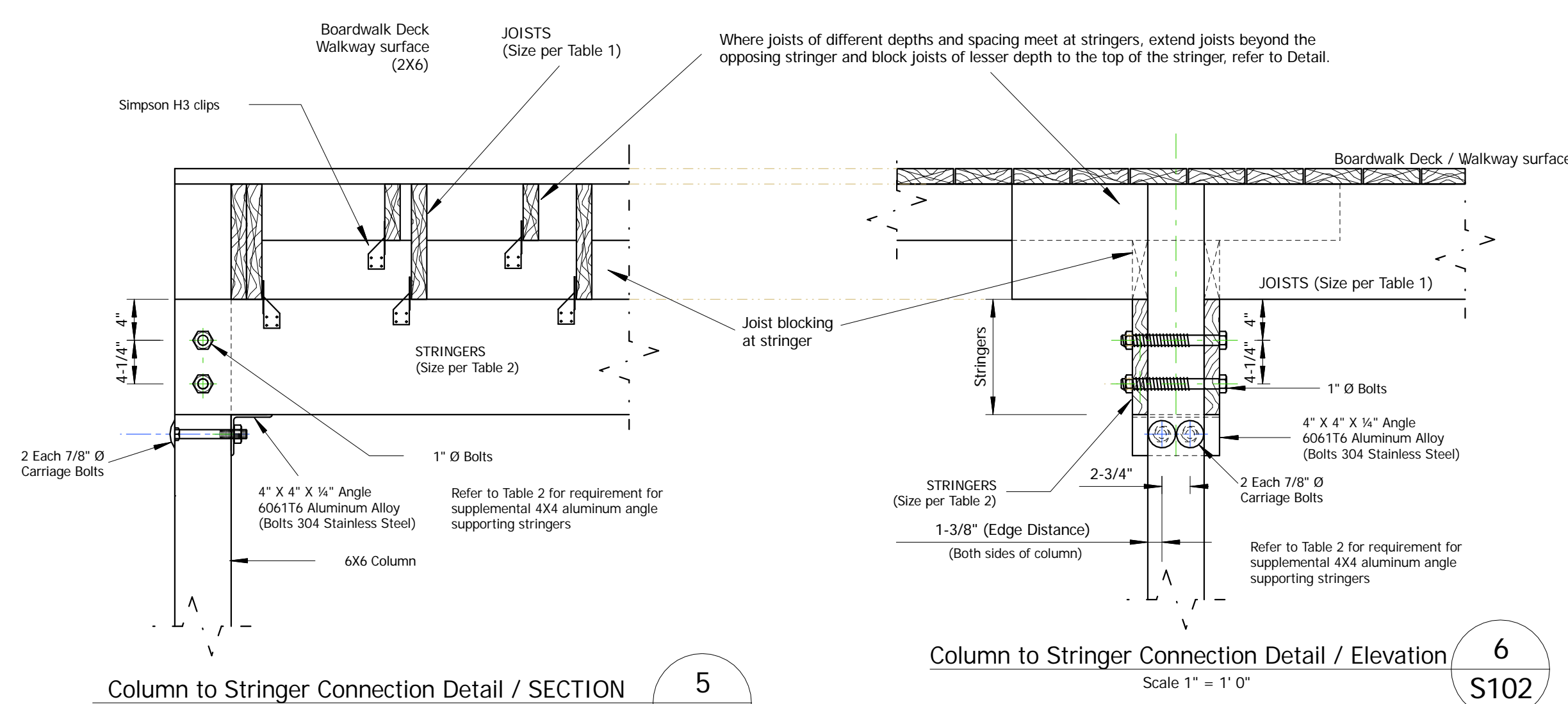
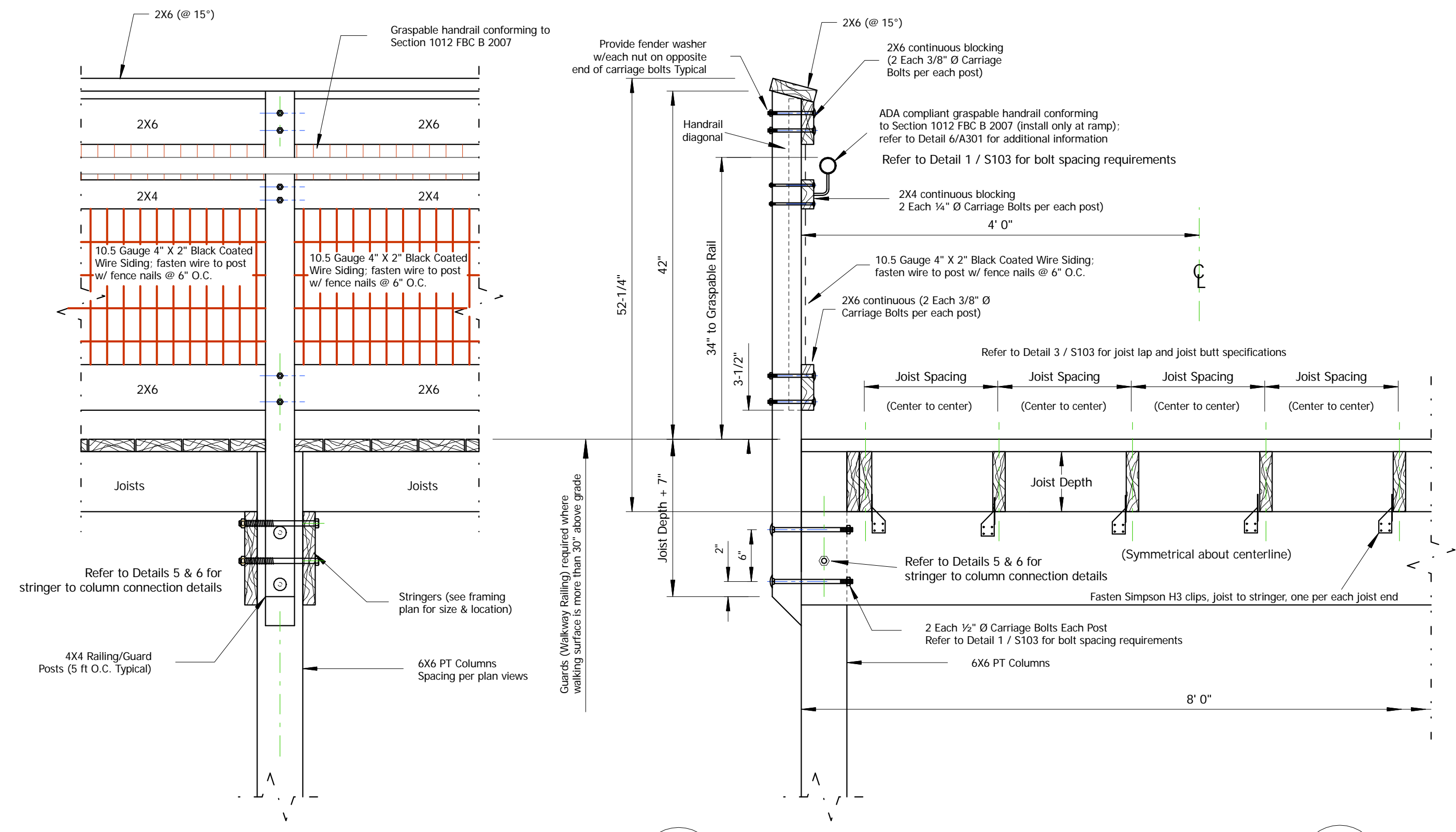
Walkway Span	Number of Equal Spaces	Joist Spacings	Walkway Joist
5 ft or less	4	20-1/8" O.C.	2X6
from 5 ft to 7' 6"	6	13 1/2" O.C.	2X6
from 7' 6" to 10 ft	4	20-1/8" O.C.	2X10
from 10 ft to 12' 6"	4	20-1/8" O.C.	2X12
from 12' 6" to 15 ft	6	13 1/2" O.C.	2X12
from 15 ft to 17' 6"	3	26-7/8" O.C.	3 1/2" X 11-7/8" PT Glulam
from 17' 6" to 20' 0"	3	26-7/8" O.C.	3 1/2" X 14" PT Glulam
from 20 ft to 22' 6"	4	20-1/8" O.C.	3 1/2" X 14" PT Glulam
from 22' 6" to 25' 0"	4	20-1/8" O.C.	3 1/2" X 16" PT Glulam

Note: inch fractions shown as center to center joist spacings are maximums  
 Glulam specification:  
 PT Glulam minimum properties: F<sub>b</sub> = 2,400 psi, E = 1,800,000 psi  
 (Rosboro Treated Glulam or equal)

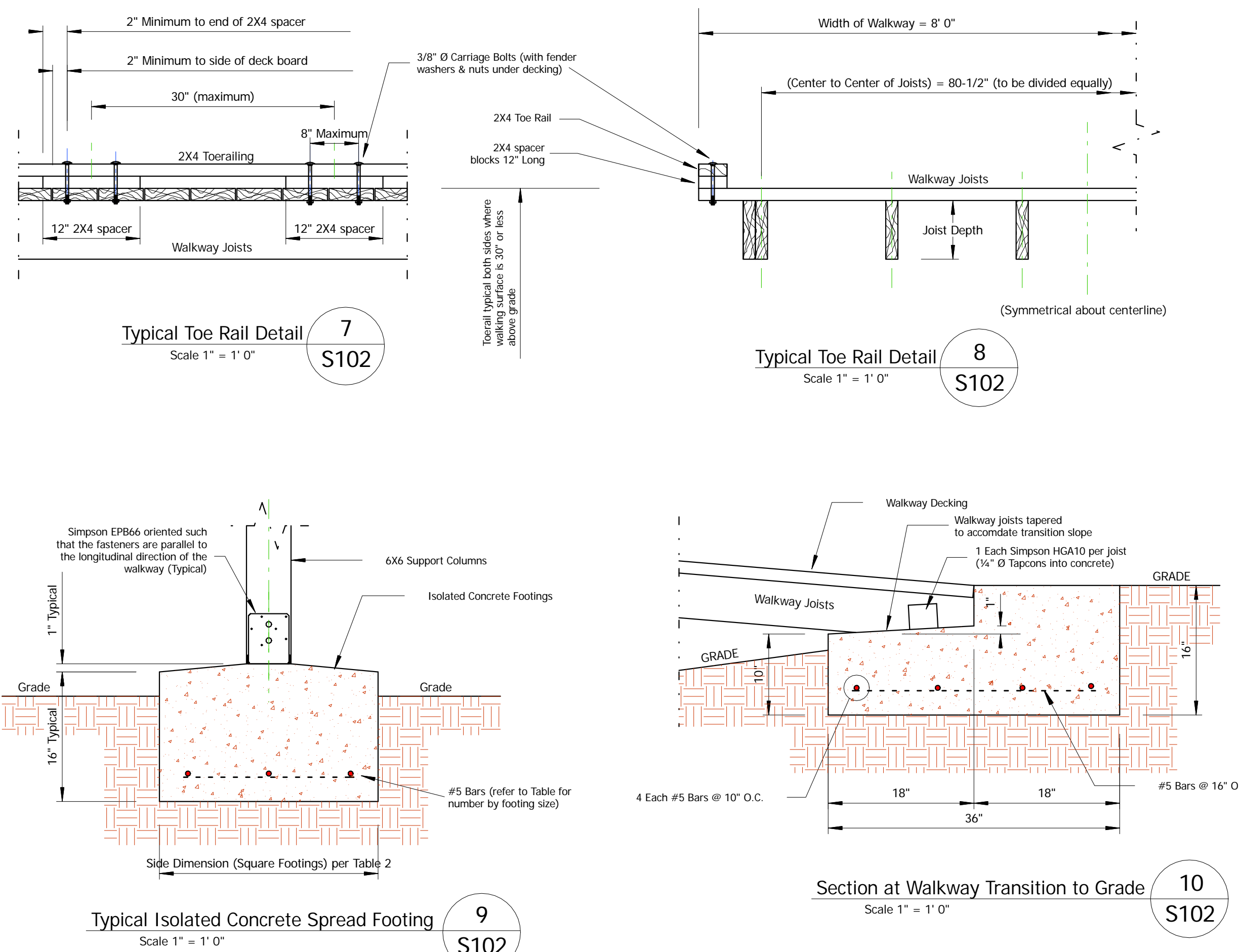
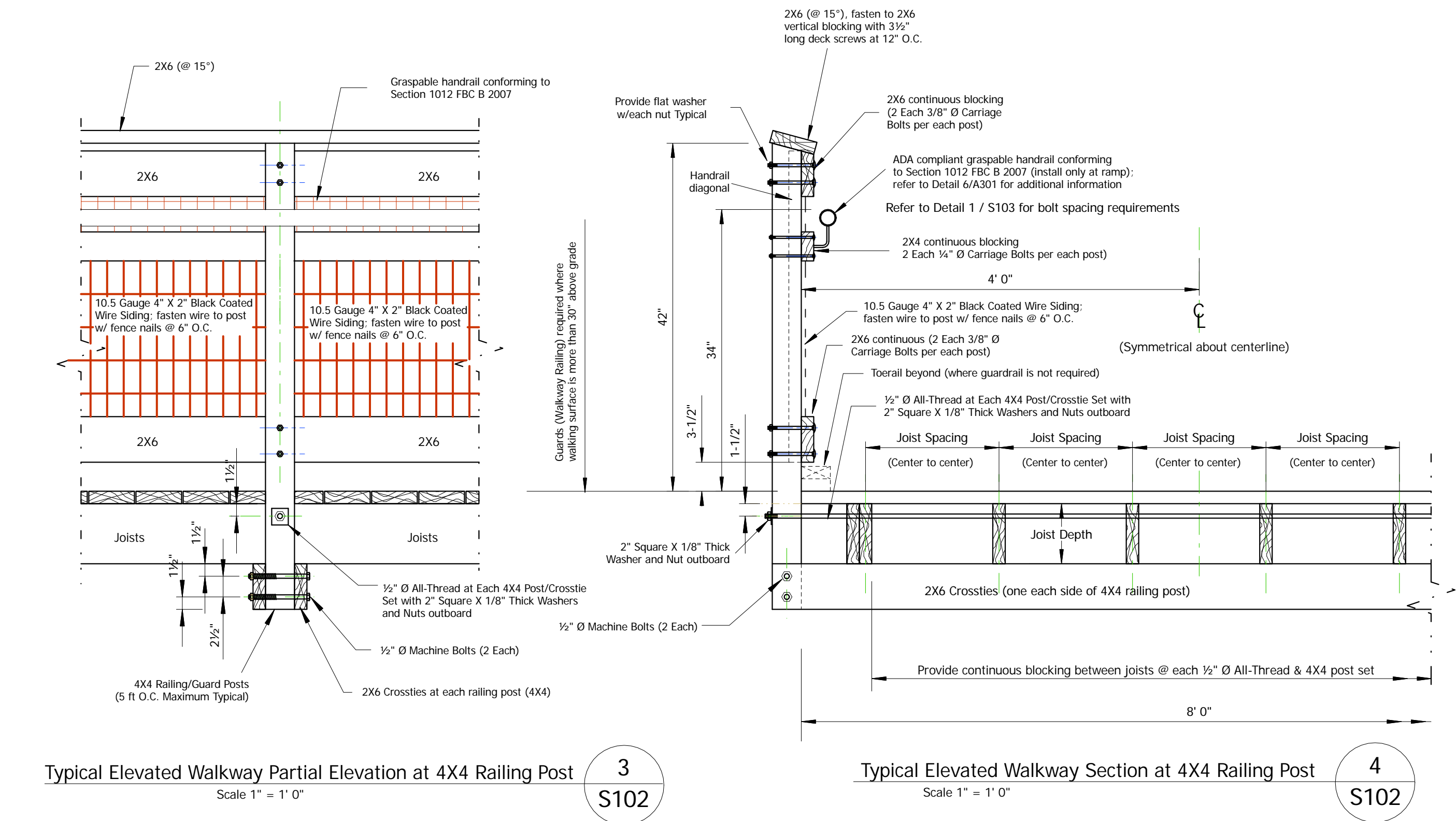
**TABLE 2 - Stringer and Footing Selection by Average Section Span**

Average Span (ft) of adjacent sections	Side Dimension of Isolated Concrete Footing	Minimum Required Stringer Sizes	Supplemental Angle Req'd
5.0	18"	w/ 2 #5's *	Double 2X10
7.5	24"	w/ 2 #5's *	Double 2X12
10.0	27"	w/ 3 #5's *	Double 2X12
12.5	30"	w/ 3 #5's *	Double 3X12
15.0	32"	w/ 3 #5's *	Double 3X12
17.5	36"	w/ 4 #5's *	Double 3 1/2" X 11-7/8" Glulams
20.0	36"	w/ 4 #5's *	Double 3 1/2" X 11-7/8" Glulams

\* #5 Bars are evenly spaced with 3" clearance Each Way Bottom Only

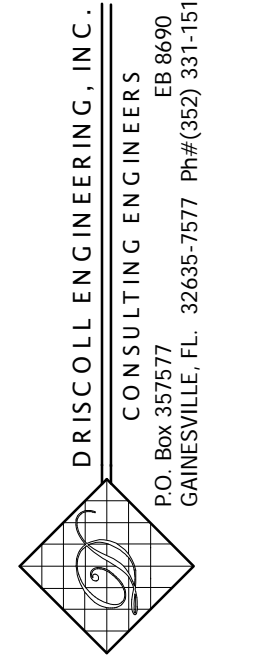


**JOIST SIZE DETERMINED FROM TABLE 1 BASED UPON THE SECTION SPAN  
 STRINGER AND FOOTING SIZE DETERMINE FROM TABLE 2 BASED UPON THE AVERAGE SECTION SPAN  
 REFER TO DETAIL 3 / S103 FOR JOIST LAPS AT STRINGERS AND OUTBOARD JOIST BUTT AT COLUMNS**

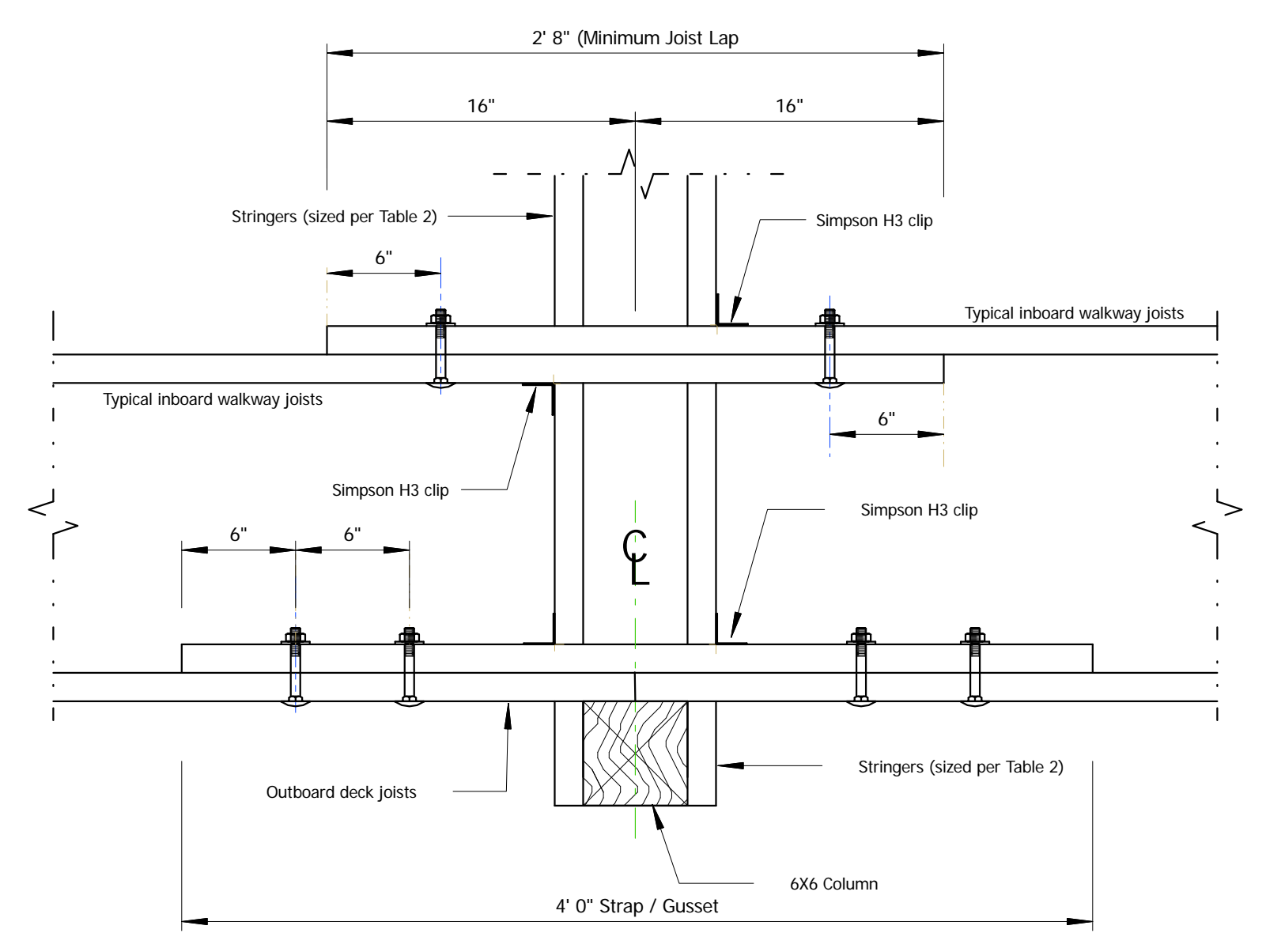
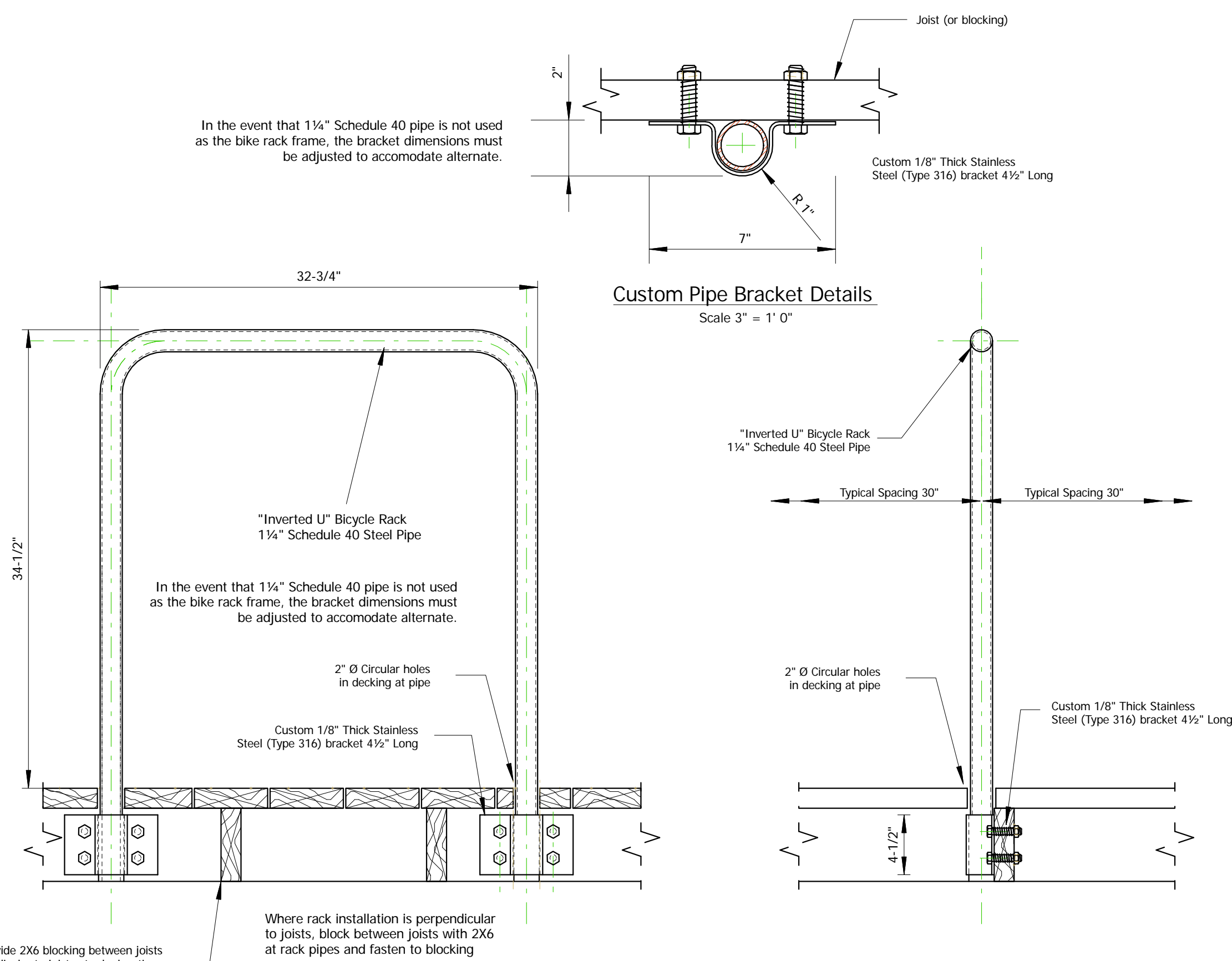


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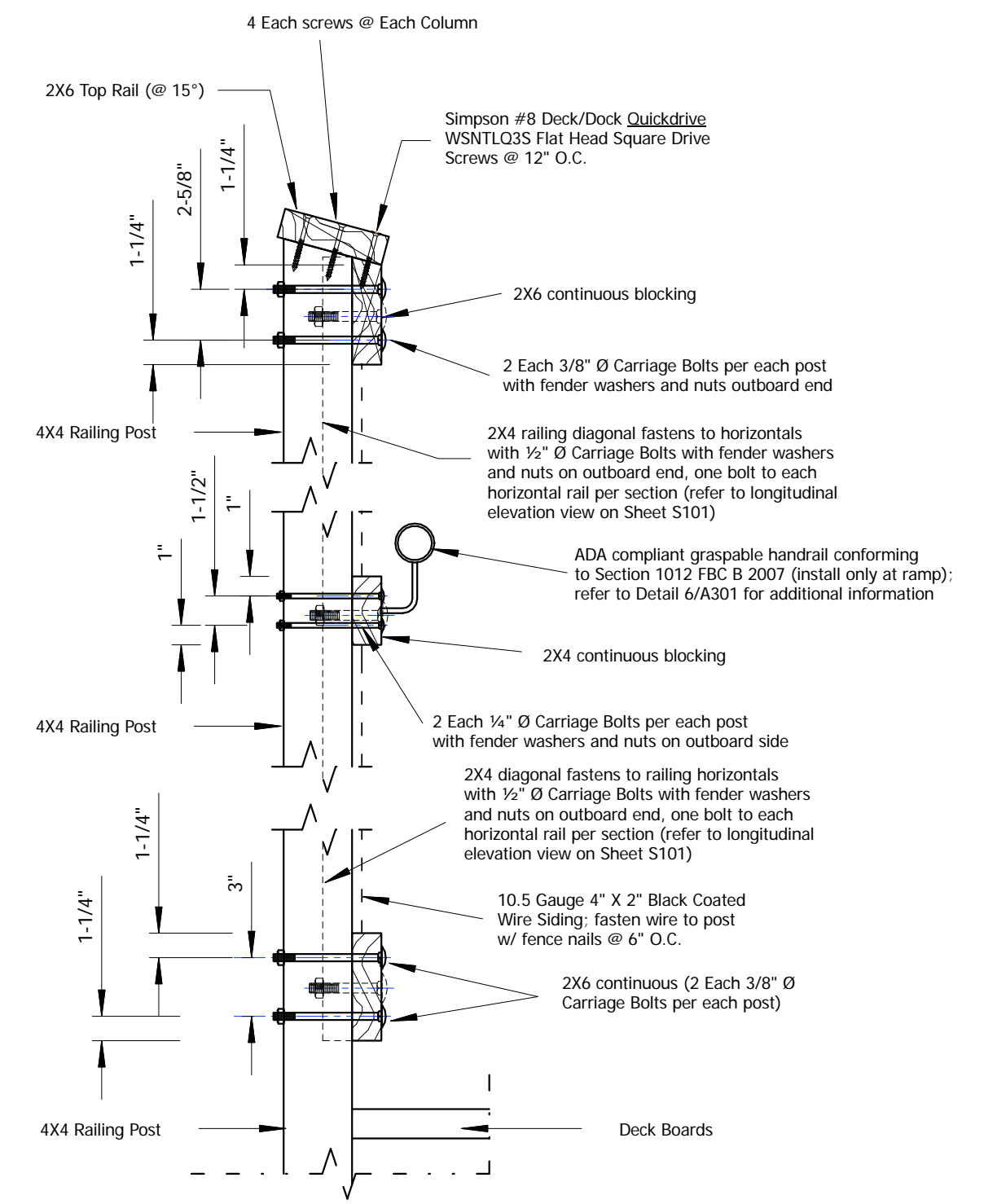
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 DRAWN BY:  
 CHECKED BY:  
 SHEET TITLE:  
 SHEET OF  
 SHEET NUMBER:  
**S-102**



**CITY OF GAINESVILLE**  
**ALFRED A. RING PARK**  
Gainesville, Florida  
CLIENT: CITY OF GAINESVILLE

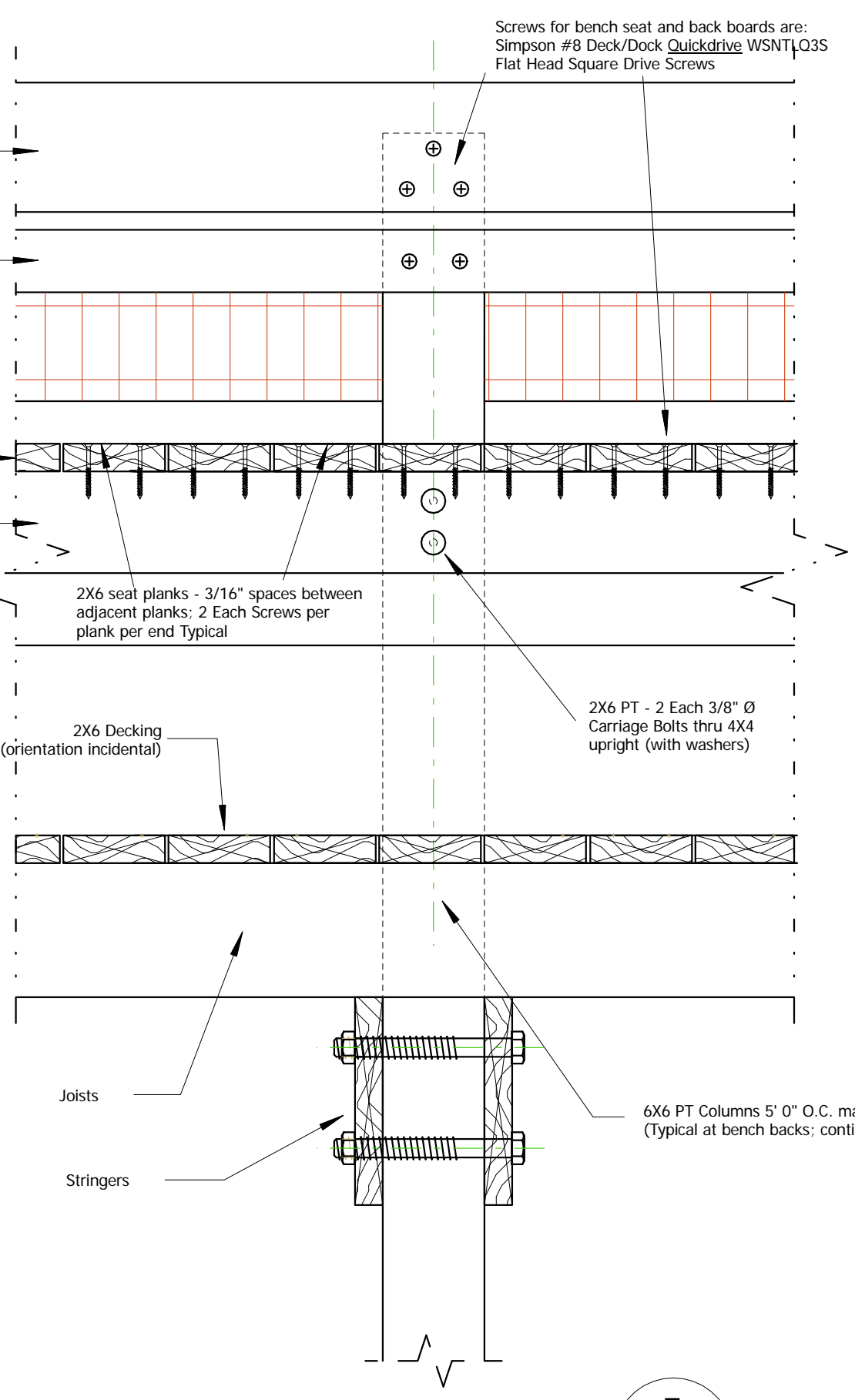


- Joist Lap & Butt Joint Specifications / Requirements:**
- 48" Long Strap / Gusset at outboard joist abutment 2" nominal thickness (1/2") with depth equal to deeper of two abutting joists, where abutting joists vary in thickness, block joist of lesser thickness at strap.
  - Bolts: 1/2" Ø Carriage Bolts with fender washers and nuts Typical
  - Joist laps are to be bolted as shown with 1/2" Ø Carriage Bolts.
  - Joist Butt Joint: Outboard joists abut at 6x6 columns only, with 4 ft strap/gusset bolted to interior of abutting joists as shown.
  - Bolt Placement:
    - For adjoining joists of equal depth, place at vertical center of joists;
    - For joists of unequal depths, place at vertical center of lesser depth joist;
    - Bolting of adjacent joists where joist spacing differs (in accordance with Table 1), lap bolts are not required.
  - Provide 1 each Simpson H3 hurricane clip per each joist end, fasten to one stringer.



**Typical Joist Lap & Butt Joint Detail** 3  
Scale 1 1/2" = 1' 0"

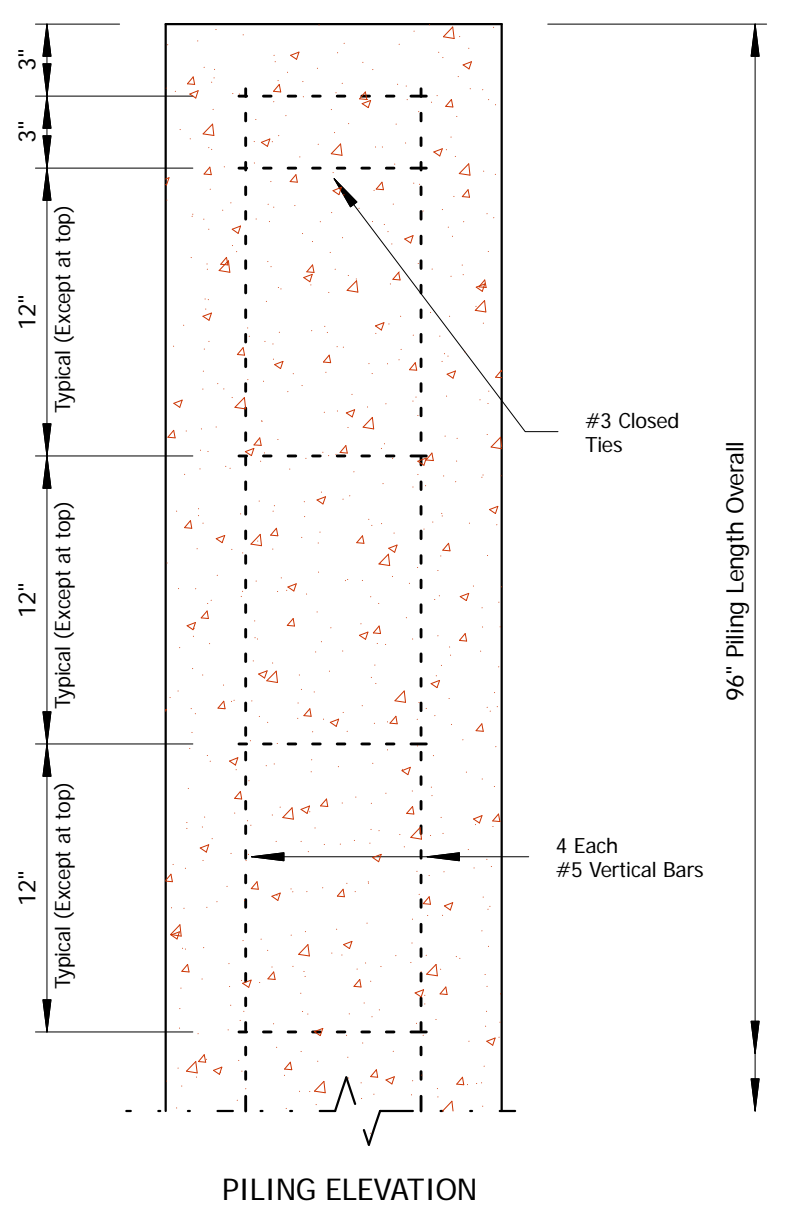
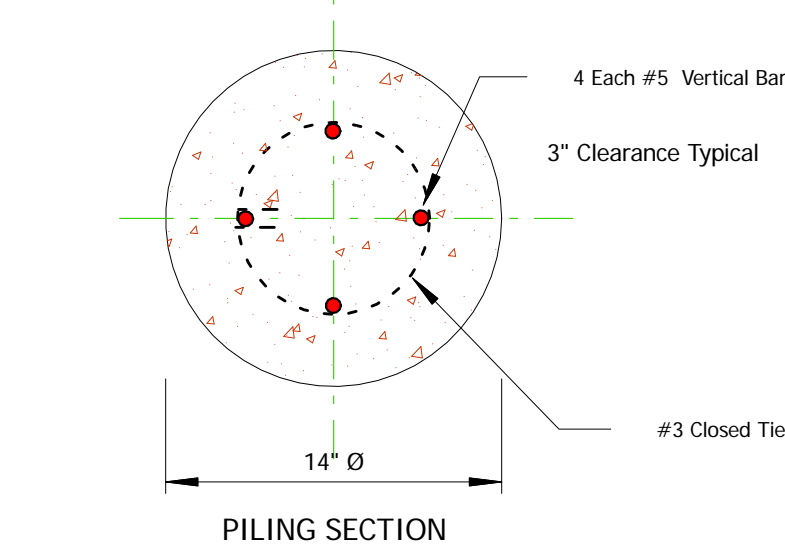
**Railing Fastening Details** 1  
Scale 1 1/2" = 1' 0"



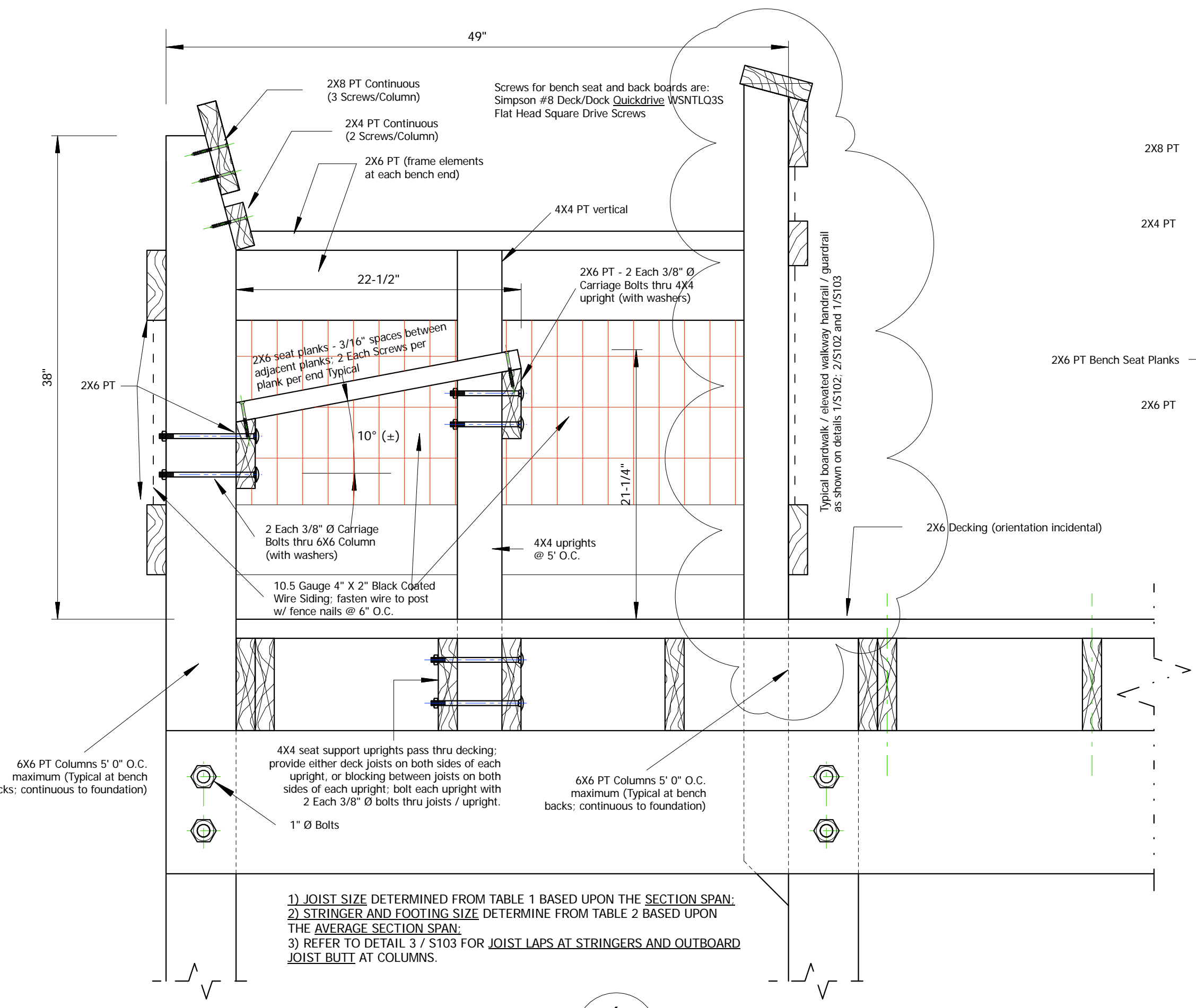
**Bench Details (Lateral Section @ Column)** 7  
Scale 1 1/2" = 1' 0"

**Deck Board Fastening Detail** 2  
Scale 1 1/2" = 1' 0"

**Bicycle Rack Fastening Details** 4  
Scale 1 1/2" = 1' 0"



**14" Round Concrete Piling Details** 5  
Scale 1 1/2" = 1' 0"



**Bench Details (SECTION)** 6  
Scale 1 1/2" = 1' 0"

REV	DATE	DESCRIPTION

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