

VICINITY MAP
NTS

The topographic data shown on these plans is based on information provided by the client with supplement field information collected by Tysinger, Hampton & Partners, Inc., Job No. 1593400S. Tysinger, Hampton & Partners, Inc. will not be held responsible for the accuracy of the survey data or any design errors and/or any omissions resulting from any surveying inaccuracies.

The contours and other topographic data has been photographically enlarged, traced and otherwise transferred from a copy of the above referenced map, and may vary slightly from what is actually present in the field.

The contractor(s), or anyone using these documents is advised to layout his work and verify the actual field conditions relative to the designs shown on the drawings. Any discrepancies encountered that would affect the proper installation or construction of the proposed improvements shall be reported to the Owner and/or Engineer in order to allow for necessary adjustments in the plans.

The contractor(s) shall layout in the field all the elements of the improvements, prior to and well ahead of construction, to insure that no conflicts exist between any underground service utilities or drain lines, including their minimum depths below finished surfaces, the surface elevations of all manholes and catch basins relative to finished grades, and the planned improvements. Any discrepancies encountered shall be reported to the Owner and/or Engineer in order to allow for necessary adjustments in the plans.

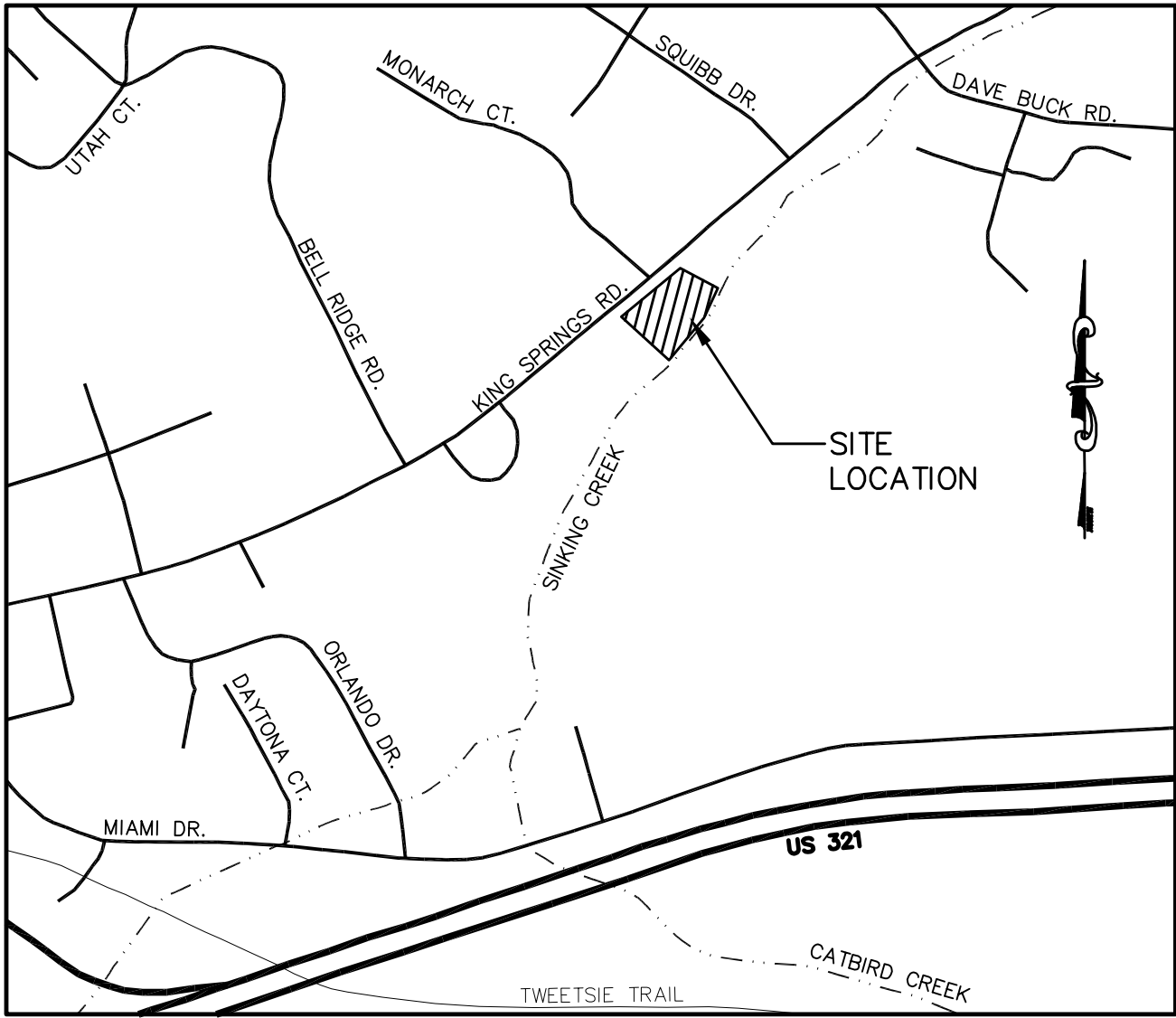
The contractor(s) shall maintain accurate and legible records of all installations, and deliver the same to the Owner in a form adequate to readily transfer the data directly to record ("as-built") drawings as required by the reviewing agencies. The form and adequacy of these records are subject to the approval of recipient.



Know what's below.
Call before you dig.

REQUIRED LOCATION
REQUEST INFORMATION
NAME OF CALLER
TELEPHONE NUMBER
BEST TIME TO CALL
COUNTY
TOWN
STREET ADDRESS
START DATE
START TIME
TYPE OF WORK
BLASTING ?
WORK BEING DONE BY
WORK BEING DONE FOR

CONSTRUCTION PLANS FOR PEDESTRIAN BRIDGE AT



LOCATION MAP
NTS

UTILITY LIST

UTILITY	WATER
NAME :	CITY OF JOHNSON CITY
ADDRESS :	POST OFFICE BOX 2150 JOHNSON CITY, TN 37605
CONTACT :	TOM WITHERSPOON
PHONE :	(423) 434-6000

UTILITY	ELECTRICITY
NAME :	JOHNSON CITY POWER BOARD
ADDRESS :	2600 BOONES CREEK ROAD JOHNSON CITY, TN 37615
CONTACT :	MARK EADES
PHONE :	(423) 434-4000

UTILITY	SANITARY SEWER
NAME :	CITY OF JOHNSON CITY
ADDRESS :	POST OFFICE BOX 2150 JOHNSON CITY, TN 37605
CONTACT :	TOM WITHERSPOON
PHONE :	(423) 434-6000

UTILITY	TELEPHONE
NAME :	EMBARQ
ADDRESS :	101 N. ROAN STREET JOHNSON CITY, TN 37601
CONTACT :	JOE TUCKER
PHONE :	(423) 461-4452

UTILITY	NATURAL GAS
NAME :	ATMOS ENERGY
ADDRESS :	2833 W. MARKET ST. JOHNSON CITY, TN 37604
CONTACT :	JM HOIT
PHONE :	(423) 926-2122 Ext. 235

UTILITY	CABLE
NAME :	CHARTER COMMUNICATIONS
ADDRESS :	2302 S. ROAN STREET JOHNSON CITY, TN 37601
CONTACT :	MARK HARMON
PHONE :	(423) 979-3347

INDEX OF DRAWINGS

C1	COVER SHEET
C2	LAYOUT PLAN
C3	CROSS SECTIONS
C4	EROSION & SEDIMENT CONTROL PLAN AND DETAILS
C5	MISCELLANEOUS DETAILS

**PREPARED FOR: BOONE WATERSHED PARTNERSHIP
2121 SINKING CREEK ROAD
JOHNSON CITY, TN**



Tysinger, Hampton & Partners, Inc.
Civil Engineering · Surveying · Environmental Consulting

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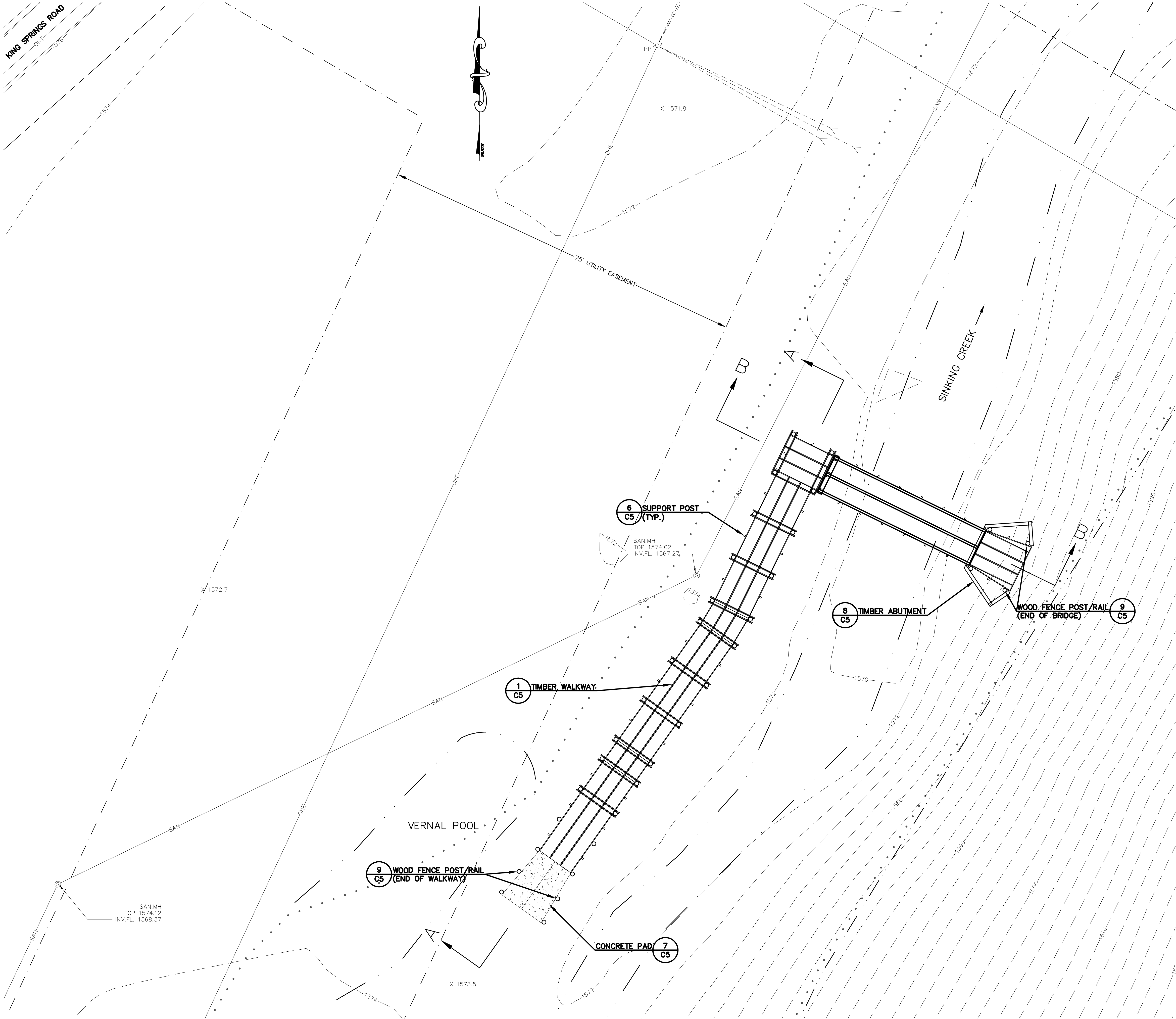
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ENGINEER'S APPROVAL:



DATE	REVISIONS	SET NO.
10/14/15		
ISSUE DATE	APPROVALS	PROJECT NO.
	PRELIMINARY:	
	FINAL:	1593400C
	AS BUILTS:	C1

KING SPRINGS ROAD
OHT
1576



GENERAL NOTES:

1. GLUED LAMINATED BEAM FABRICATOR TO FURNISH ALL 4 x 24 3/4 (±) BLOCKING AND LAG BOLTS WITH PREDRILLING FOR FIELD ASSEMBLY.
2. ALL BOLTS, WASHERS, NUTS, ANGLES, NAILS, AND OTHER PLATED OR STAINLESS STEEL.
3. GLUED LAMINATED BEAMS TO CONFORM TO ANSI/AITC STANDARDS AND TO BE FACTORY SEALED, Fb = 2,400 psi / Cf = 0.957
4. ALL LUMBER TO BE WOLMANIZED, PRESSURE TREATED NO. 2 SOUTHERN PINE, VISUAL GRADING RULES. SEE NOTE 3 FOR SPECIAL TREATMENT OF GLUED LAMINATED BEAMS.
5. POLLUTION CONTROL: THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO CONTROL EROSION AND WATER POLLUTION THROUGH THE CONSTRUCTION PERIOD. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE EARTH MOVING OPERATIONS BEGIN. CLEARING AND GRUBBING SHALL BE HELD TO THE MINIMUM WIDTH NECESSARY TO ACCOMMODATE PATH SLOPES. EMBANKMENTS AND EXCAVATED AREAS WILL BE PROMPTLY STABILIZED TO MINIMIZE EROSION. BALED STRAW EROSION CHECKS SHALL BE USED ALONG THE TOE OF FILL SLOPES, IN DITCHES, OR ANY OTHER AREAS WHERE EROSION IS A PROBLEM AND SILT DUE TO RUN OFF MIGHT ENTER THE STREAM OR ADJACENT PROPERTY.
6. ANY STOCKPILED SOIL OR FILL MATERIAL WILL BE LOCATED AND TREATED IN A MANNER AS TO PREVENT SILT FROM ENTERING THE STREAM. NO EXCAVATED MATERIAL WILL BE DISCHARGED INTO THE STREAM. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF IN A LOCATION ABOVE THE NORMAL HIGH WATER ELEVATION. NO EARTH OR OTHER ERODIBLE MATERIAL WILL BE USED TO DIVERT STREAM FLOW OR TO CONSTRUCT COFFERDAMS. CLEAN CUT ROCK WITH NO FINES MAY BE USED, OR IN THE CASE OF COFFERDAMS STEEL SHEETING IS PERMISSIBLE. WATER OR ABUTMENTS ISOLATED BY COFFERDAMS OR DISPLACED BY FOOTINGS SHALL BE PUMPED INTO SEDIMENT BASINS ON THE BANK OF THE STREAM.
7. MACHINED RIP-RAP SHALL BE CLEAN SHOT ROCK CONTAINING NO SAND, DUST OR ORGANIC MATERIAL AND BE THE SIZE DESIGNATED FOR THE CLASS SPECIFIED. THE STONE SHALL BE UNIFORMLY DISTRIBUTED THROUGHOUT THE SIZE RANGE. THE THICKNESS OF THE STONE LAYER SHALL BE THAT DESIGNATED FOR THE SPECIFIED CLASS. CONTRACTOR SHALL PROVIDE CLASS B RIP-RAP NOTED ON THE PLAN DRAWING.
8. ALLOWABLE GLULAM STRESSES PER A.I.T.C. 117-93
9. ASTM A36 STEEL PLATES AND SHAPES ; ASTM A307 BOLTS ; AWS E 70XX WELDS



Tysinger, Hampton & Partners, Inc.
Civil Engineering - Surveying - Environmental Consulting

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ENGINEER'S APPROVAL:



PROJECT:
**PEDESTRIAN BRIDGE
AT JACOB'S NATURE
PARK**

PREPARED FOR:
**BOONE WATERSHED
PARTNERSHIP
2121 SINKING CREEK RD.
JOHNSON CITY, TN**

LOCATION:
**JOHNSON CITY,
TENNESSEE**

DWG. TITLE:

LAYOUT PLAN

ISSUE DATE :

CADD FILE: 1593400C

SCALE: 1"=10' PROJECT NO.

DRAWN: CRR

CHECK: TOP

DATE: 10/14/15

1593400C

C2

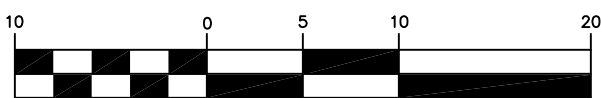
LEGEND

EXISTING	NEW	DESCRIPTION
---1600---		CONTOUR
X 1572.7		SPOT ELEVATION
---		PROPERTY LINES
---		CREEK
---		EASEMENT
---		FLOODPLAIN
.....		FLOODWAY
---SAN---		SANITARY SEWER
⊙		SANITARY MANHOLE
---CQ---pp		POWER POLE
>---		GUY WIRE
---OHE---		OVERHEAD ELECTRIC
---OHT---		OVERHEAD TELEPHONE
	■	CONCRETE AREAS

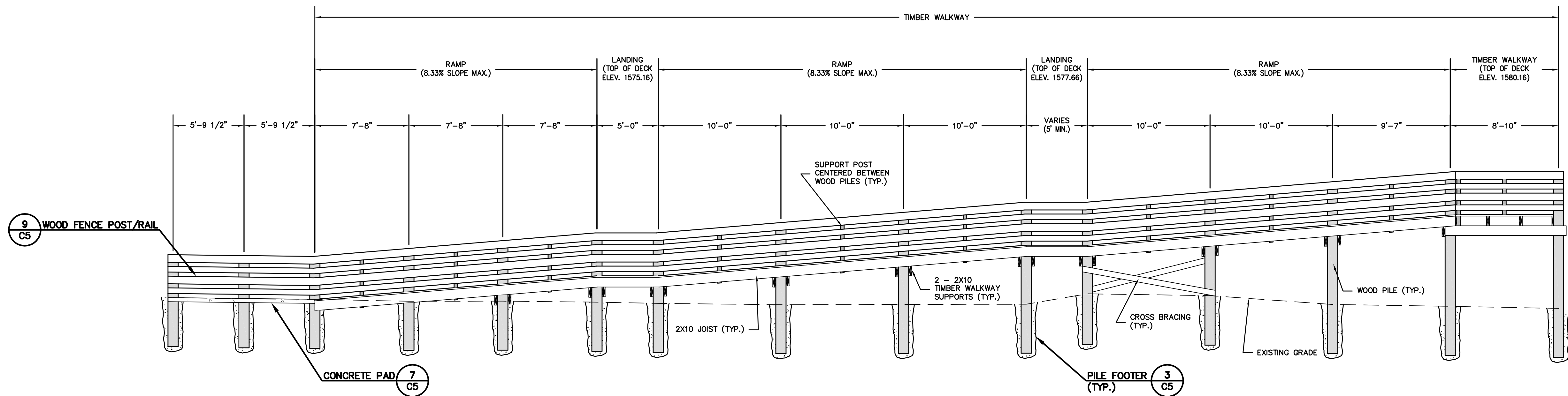
NOTICE

LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES SHOWN ARE APPROXIMATE AND THOSE SHOWN ARE NOT NECESSARILY ALL OF THE EXISTING UTILITIES AND STRUCTURES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND THE EXISTENCE OF ALL UTILITIES AND UNDERGROUND STRUCTURES.

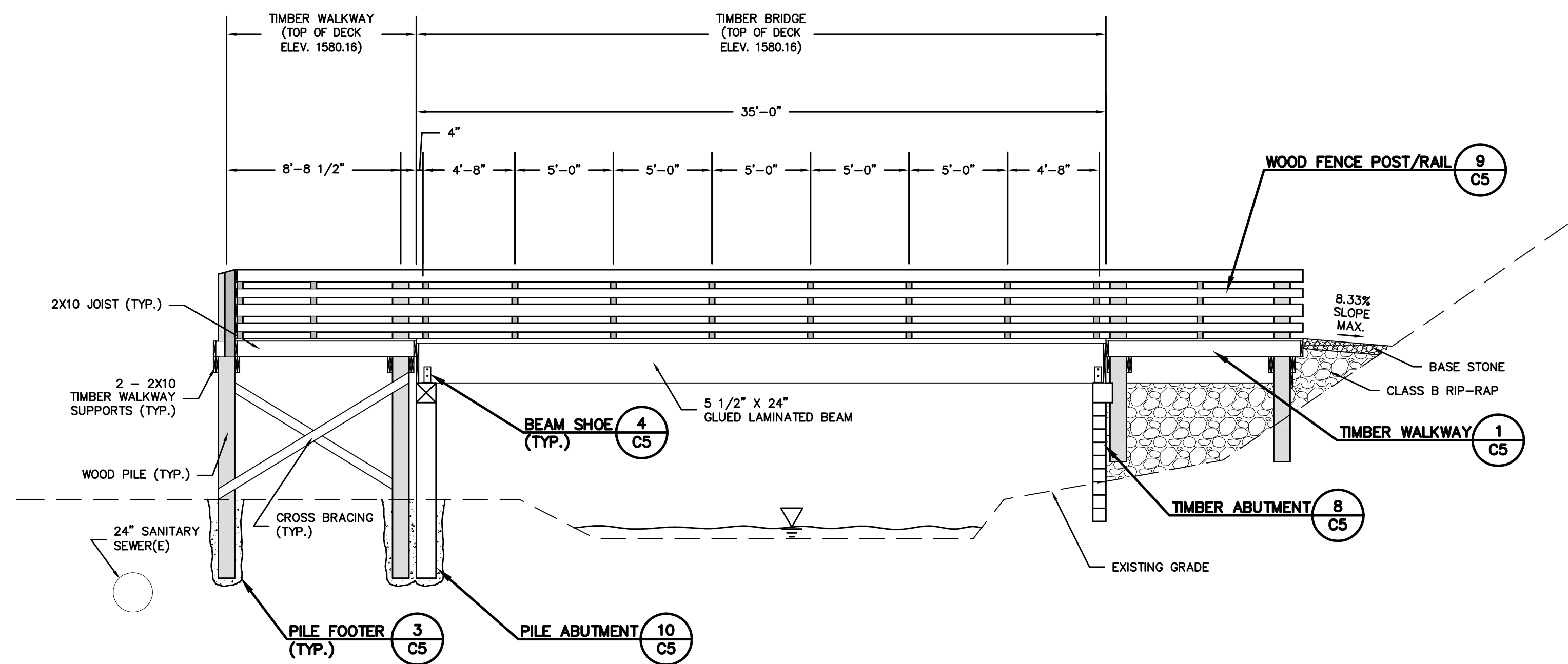
GRAPHIC SCALE



(IN FEET)
1 inch = 10 ft.



SECTION A-A



SECTION B-B

NOTICE
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REV.	DATE	DESCRIPTION	BY

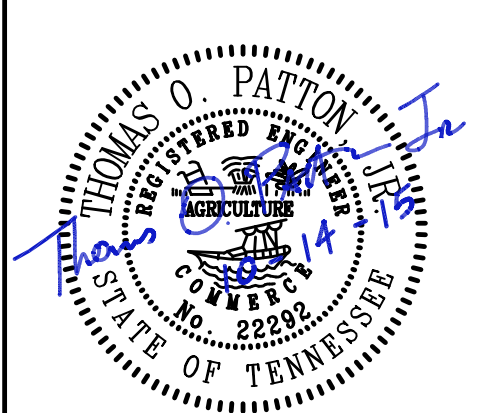
GENERAL NOTES

TH&P
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ENGINEER'S APPROVAL:



PROJECT:
PEDESTRIAN BRIDGE AT JACOB'S NATURE PARK

PREPARED FOR:
BOONE WATERSHED PARTNERSHIP
2121 SINKING CREEK RD.
JOHNSON CITY, TN

LOCATION:
JOHNSON CITY, TENNESSEE

DWG. TITLE:

CROSS SECTIONS







ISSUE DATE :	
CADD FILE: 1593400C	
SCALE: AS SHOWN	PROJECT NO.
DRAWN: CRR	1593400C
CHECK: TOP	
DATE: 10/14/15	

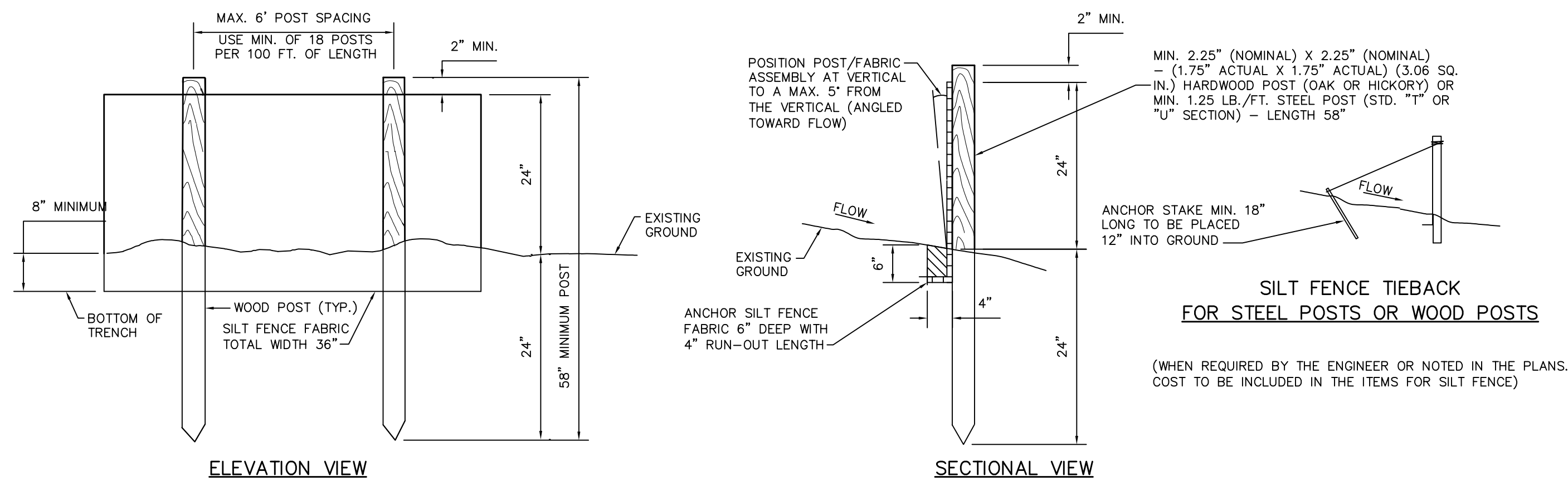
PLAN VIEW OF TEMPORARY CULVERT CROSSING

SECTION A-A

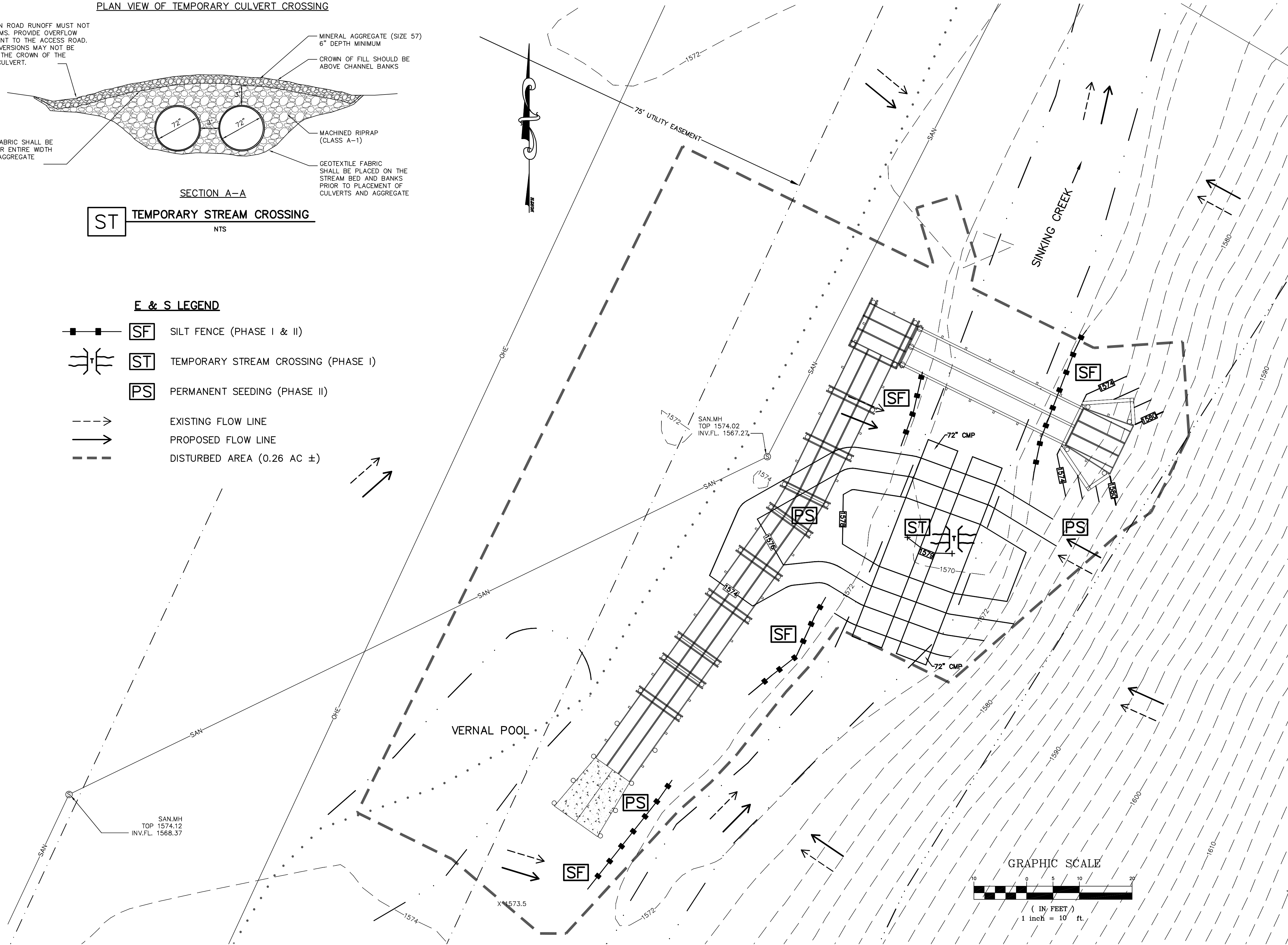
ST TEMPORARY STREAM CROSSING

E & S LEGEND

- | | | |
|---|-------------|-------------------------------------|
|  | [SF] | SILT FENCE (PHASE I & II) |
|  | [ST] | TEMPORARY STREAM CROSSING (PHASE I) |
|  | [PS] | PERMANENT SEEDING (PHASE II) |
|  | | EXISTING FLOW LINE |
|  | | PROPOSED FLOW LINE |
|  | | DISTURBED AREA (0.26 AC ±) |



SF SILT FENCE
NTS



CONSTRUCTION SEQUENCE:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A GRADING PERMIT AND ANY OTHER PERMITS REQUIRED PRIOR TO BEGINNING CONSTRUCTION.
- PHASE I:**
2. THE CONTRACTOR SHALL INSTALL SILT FENCE, THEN TEMPORARY STREAM CROSSING AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN.
3. THE CONTRACTOR SHALL CONSTRUCT ABUTMENTS & TIMBER BRIDGE IN ACCORDANCE WITH APPROVED CONSTRUCTION DRAWINGS, WHILE MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES.
- PHASE II:**
4. THE CONTRACTOR SHALL REMOVE TEMPORARY STREAM CROSSING AND INSTALL PERMANENT SEEDING IN DENUDED AREAS.
5. THE CONTRACTOR SHALL CONSTRUCT TIMBER WALKWAY AND CONCRETE PAD IN ACCORDANCE WITH APPROVED CONSTRUCTION DRAWINGS, WHILE MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES.
6. THE CONTRACTOR SHALL ESTABLISH VEGETATION IN ACCORDANCE WITH THE SEEDING SCHEDULE IN AREAS WHERE GRADING IS COMPLETE TO PREVENT EROSION.
7. RESEEDING OR SODDING ANY DENUDED AREA SHALL BE REQUIRED WHERE NO BUILDING OR CONSTRUCTION ACTIVITY HAS OCCURRED WITHIN 14 DAYS. STEEP SLOPES (35% GRADE OR GREATER) SHALL BE TEMPORARILY STABILIZED NO LATER THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED.
8. THE CONTRACTOR SHALL CHECK AND MAINTAIN ALL EROSION CONTROL MEASURES DAILY AND AFTER EACH RAINFALL. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED MEASURES.
9. ALL OFF-SITE OR STREET SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES OR A STORM EVENT SHALL BE CLEANED UP AFTER EACH WORK DAY AND WITHIN NO LATER THAN 24 HOURS OF THE OCCURRENCE.
10. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AFTER CONSTRUCTION IS COMPLETED AND A HEALTHY STAND OF VEGETATIVE COVER HAS STABILIZED ALL SLOPES.
11. THE CONTRACTOR SHALL PERFORM INSPECTIONS AS REQUIRED BY TDEC AT LEAST TWICE A WEEK, 72 HOURS OR MORE APART. INSPECTION REPORT FORMS SHALL BE MAINTAINED ON SITE. INSPECTORS MUST HAVE COMPLETED THE "FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL" COURSE OR AN EQUIVALENT COURSE.

CONSTRUCTION NOTES:

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK, AS APPLICABLE.
2. FOR DETAILS NOT PROVIDED REFER TO THE LATEST EDITION OF THE TENNESSEE EROSION CONTROL HANDBOOK.

SPIILLS AND NON-STORMWATER CONTINGENCIES:

1. CONSTRUCTION VEHICLES SHALL CLEAN MUD FROM THEIR TIRES AND BODY ON-SITE SO THAT THE SEDIMENT WILL FLOW TO THE WASH PIT NEAR THE CONSTRUCTION EXIT AND/OR THE SEDIMENT COLLECTION DEVICES. ANY SEDIMENT ACCUMULATED ON THE TIRE TREADS OR BODY OF OFF-SITE VEHICLES SHALL BE CLEANED UP WITH A SHOVEL AND BROOM OR OTHER MEANS BEFORE THE NEXT RAINFALL BUT SHALL NOT BE WASHED AWAY USING WATER. THE CLEANED UP SEDIMENT SHALL BE PLACED BACK ON-SITE OR TAKEN TO ANOTHER SITE WITH AN APPROVED AND FUNCTIONING SEDIMENT CONTROL PLAN.
2. VEHICLES AND EQUIPMENT SHALL BE FUELED ON-SITE NEAR THE CONSTRUCTION EXIT IN A DESIGNATED CONTAINMENT AREA. CLEAN UP ANY FUEL SPILL IMMEDIATELY. CONTAMINATED SOILS MUST BE PLACED OFF-SITE IN AN APPROVED AND PLACED IN A DEDICATED CONTAINER TO PREVENT CONTACT WITH STORMWATER. ALL FUEL TANKS SHALL BE STORED IN THE CONTAINMENT AREA. ALL OIL, OTHER VEHICLE FLUIDS, SOLVENTS, PAINT, ETC. SHALL BE STORED IN A CONSTRUCTION TRAILER OR OTHER APPROVED CONTAINER.
3. ABSORBENT MATERIAL (FOR LAND BASED SPILLS), BOOMS (FOR SPILLS INTO WATERWAYS), AND OTHER HAZARDOUS MATERIAL CLEANUP TOOLS AS NECESSARY SHALL BE AVAILABLE FOR IMMEDIATE USE IF AN ON-SITE SPILL OCCURS. IF A SPILL OCCURS, THE SPILL SHALL BE IMMEDIATELY CLEANED UP AND CONTAINED IMMEDIATELY AND THEN COMPLETELY CLEANED UP. IF THE SPILL HAS ENTERED A WATER SOURCE, SINKHOLE, STORM DRAIN, OR OTHER STORMWATER CONVEYANCE, THE LOCAL GOVERNMENT AUTHORITY SHALL BE CONTACTED IMMEDIATELY. ANY HAZARDOUS MATERIAL FROM THE CLEANUP SHALL BE DISPOSED OF IN ACCORDANCE WITH STATE LAWS.
4. READY-MIX CONCRETE TRUCKS SHALL WASH OUT THEIR EQUIPMENT IN A DESIGNATED WASH PIT NEAR THE CONSTRUCTION EXIT. THIS WASH PIT IS TO BE USED FOR THE WASHING OF THE TRUCKS. THE CONCRETE SEWER MAIN IN THIS PIT(S) AS NECESSARY TO ALWAYS HAVE AT LEAST 50% VOLUME. ANY MATERIAL REMOVED FROM THE WASH PIT SHALL BE USED FOR FILL MATERIAL ON-SITE OR DISPOSED OF IN ACCORDANCE WITH ALL STATE AND FEDERAL REQUIREMENTS. WASH WATER SHALL BE COLLECTED IN A DEDICATED OVERFLOW FROM THE WASH PIT SHALL NOT BE ALLOWED TO DISCHARGE TO A SEDIMENT BASIN, TRAP, POND STORM DRAIN, DITCH, STREAM, OTHER STORMWATER CONVEYANCE, OR TO WATERS OF THE STATE INCLUDING BOTH SURFACE AND GROUNDWATER.
5. ALL HAZARDOUS MATERIALS SUCH AS EMPTY OR PARTIALLY EMPTY PAINT CANS, OIL CANS, FILTERS, CLEANING FLUIDS, ETC. SHALL BE DISPOSED OF BY TAKING THEM TO A PERMITTED HAZARDOUS MATERIAL DISPOSAL SITE IN ACCORDANCE WITH STATE LAWS.
6. THE WASHING OF PAINT TOOLS OR OTHER HAZARDOUS MATERIAL EQUIPMENT MUST BE PERFORMED AND DISPOSED OF IN ACCORDANCE WITH ALL STATE AND FEDERAL REQUIREMENTS. CONCRETE TRUCKS, TRUCKS, AND ANY OTHER HAZARDOUS MATERIALS CANNOT BE DISCHARGED ONTO THE GROUND OR INTO A SEDIMENT BASIN, TRAP, POND, STORM DRAIN, DITCH, STREAM, OTHER STORMWATER CONVEYANCE, OR TO WATERS OF THE STATE INCLUDING BOTH SURFACE AND GROUNDWATER AND SHALL BE DISPOSED OF IN ACCORDANCE WITH STATE LAWS.
7. LITTER, CONSTRUCTION MATERIALS, CONSTRUCTION DEBRIS, CONSTRUCTION LUMBER, AND OTHER HAZARDOUS MATERIALS SHALL BE REMOVED FROM THE SITE AND BE PICKED UP PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFF OF THE SITE BY WIND (E.G., FORECASTED BY LOCAL WEATHER REPORTS), OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGES. LITTER, CONSTRUCTION MATERIALS, CONSTRUCTION DEBRIS, AND OTHER HAZARDOUS MATERIALS SHALL NOT BE ALLOWED TO ENTER A SEDIMENT BASIN, TRAP, POND, STORM DRAINS, DITCH, STREAM, OTHER STORMWATER CONVEYANCE, OR TO WATERS OF THE STATE. THIS CAN BE ACCOMPLISHED BY SCREENING OUTFALLS DAILY PICKUP OR CLEANUP, OR OTHER METHODS.
8. AFTER THEIR USE, MATERIALS USED FOR EROSION PREVENTION AND SEDIMENT CONTROL SHOULD BE REMOVED OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGES.
9. THE CONTRACTOR IS RESPONSIBLE FOR LITTER CONTROL AND CLEANUP.
10. SEDIMENT CONTROLS SHALL BE PROVIDED FOR ANY WATER DISTRIBUTION OR WASTE DISPOSAL SYSTEM ON-SITE INCLUDING SANITARY SEWER OR SEPTIC SYSTEMS.

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[illegible]

