

TOWN OF ASHLAND CITY CUMBERLAND RIVER TERMINAL PARKER TOWING COMPANY MARINE DOCK PACKAGE

MAYOR

Steve Allen

CITY COUNCIL

Jeffrey Smith

Tony Young

Tim Adkins

Gerald Greer

Kevin Thompson

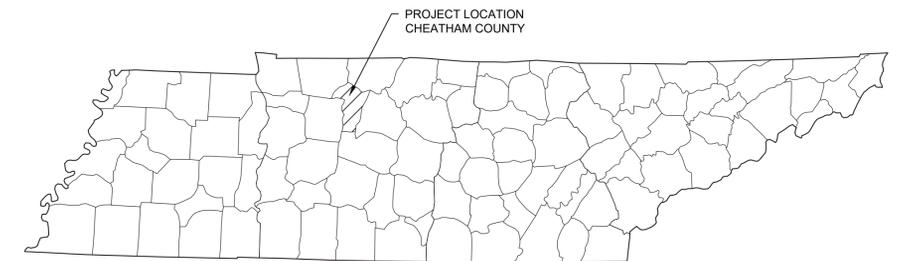
Chris Kerrigan

CITY CLERK

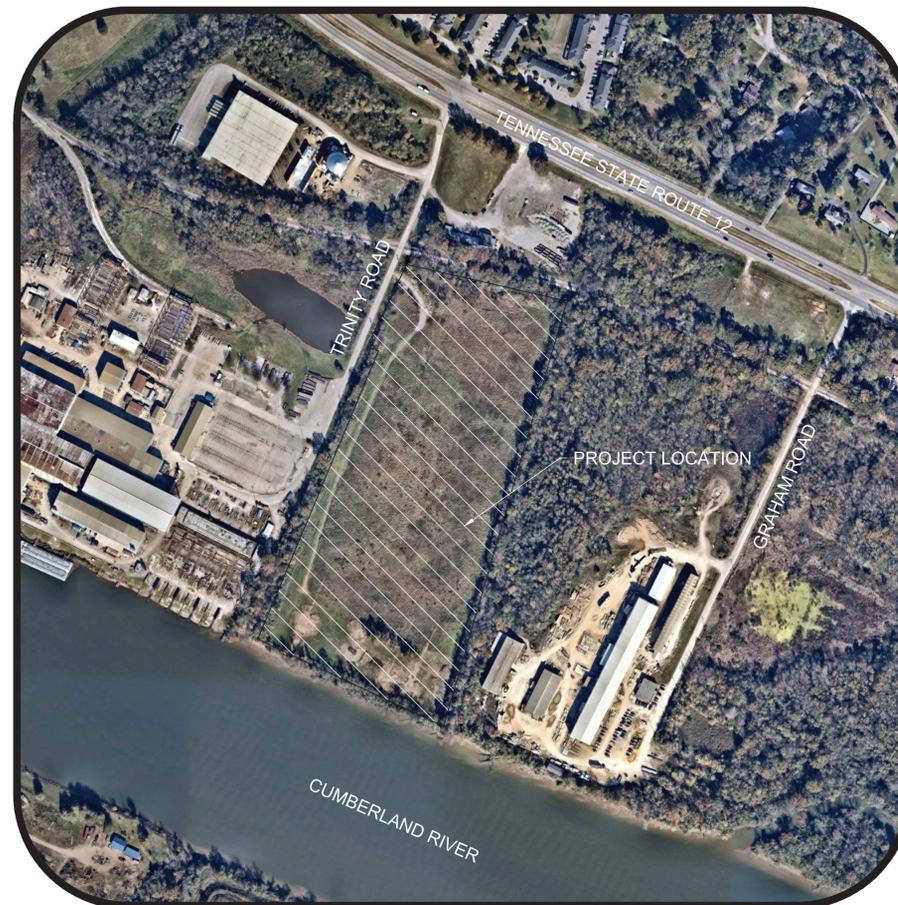
Alisha Martin

ATTORNEY

Jennifer Null



LOCATION MAP



VICINITY MAP
(N.T.S.)

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TOWN OF ASHLAND CITY
CHEATHAM COUNTY, TENNESSEE



SITE NOTES

- ALL SITE AND DRAINAGE IMPROVEMENTS SHOWN IN THESE PLANS SHALL BE CONSTRUCTED USING THE TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION AND SPECIAL PROVISIONS), UNLESS NOTED OTHERWISE IN THESE PLANS OR THE SPECIFICATIONS.
- EXISTING CONDITIONS AND TOPOGRAPHY TAKEN FROM SURVEY BY: ARC SURVEYING AND MAPPING DATED DECEMBER 05, 2018. PROPERTY BOUNDARY INFO TAKEN FROM SURVEY BY DENHAM LAND SURVEYORS, LLC DATED SEPTEMBER 27, 2018.
- PROPERTY MAP REFERENCE: MAP 65 PARCEL 011 065 03601 000 2021 CHEATHAM COUNTY TN.
- PROPERTY IS ZONED L2 (LIGHT INDUSTRIAL).
- THIS PROPERTY IS LOCATED IN A 100 YEAR FLOOD PLAIN BASED ON INFORMATION TAKEN FROM FLOOD INSURANCE RATE MAP – PANEL NO: 47021C0234E DATED: FEBRUARY 6TH 2021.
- CONTRACTOR TO OBTAIN ALL NECESSARY LICENSES AND PERMITS.
- LOCATION OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT TENNESSEE ONE CALL PRIOR TO CONSTRUCTION.
- CONTRACTOR TO REPLACE/RESTORE ANY DAMAGED SURVEY MONUMENTS, CONTROL POINTS, AND TO STAKES DAMAGED DURING CONSTRUCTION AT CONTRACTORS EXPENSE. WORK TO BE PERFORMED BY A SURVEYOR LICENSED IN THE STATE OF TENNESSEE AND TO THE SAME LEVEL OF ACCURACY AS THE DAMAGED MONUMENT.
- VERIFY THE CLEARING LIMITS AND FIELD CONDITIONS BEFORE BIDDING THIS PROJECT. NO EXTRAS WILL BE ALLOWED DUE TO THE IRREGULAR SURFACE CONDITIONS THAT MAY BE ENCOUNTERED ON THIS SITE.
- BEFORE CLEARING OR GRADING, ENSURE THAT ALL REMAINING LANDSCAPING IS PROTECTED WITH CONSTRUCTION FENCING.
- CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING PAVEMENT, SIDEWALKS, DRAINAGE STRUCTURES, UTILITIES, OR OTHER EXISTING FEATURES THAT OCCURS DURING CONSTRUCTION AT NO EXPENSE TO THE OWNER.
- ADJUST ANY EXISTING MANHOLES, CATCH BASINS, OR OTHER STRUCTURES TO MATCH PROPOSED GRADES, AS CALLED FOR IN THESE PLANS.

GRADING NOTES

- LAND AREA BEING DISTURBED = 0.67 ACRES.
- COMPLY WITH ALL LOCAL AND STATE SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS. PREVENT ANY SOIL EROSION ONTO PUBLIC ROADS OR INTO EXISTING DRAINAGE DITCHES. CONSTRUCTION VEHICLES SHALL NOT TRACK SOIL ONTO PUBLIC STREETS. SILTATION CONTROL MEASURES SHALL BE INSTALLED TO PREVENT SOIL FROM WASHING INTO THE STORM DRAINAGE STRUCTURES. ALL SOIL EROSION AND SEDIMENT CONTROL COSTS ARE THE CONTRACTOR'S RESPONSIBILITY AND SHOULD BE INCLUDED IN THE PROJECT BID.
- STRIP TOPSOIL AND HAUL OFF AND PERFORM GRADING OPERATIONS PER PLANS.
- PLACE EXCAVATED DREDGE MATERIAL AND APPLY SEED AND MULCH TO ALL DISTURBED AREAS. PLACE AND RAKE TOPSOIL TO A DEPTH OF SIX (6) INCHES IN AREAS TO RECEIVE LANDSCAPING.
- DETERMINATION OF THE SUBSURFACE CONDITIONS AND THE SUITABILITY FOR THE WORK INDICATED IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL CONSULT THE GEOTECHNICAL REPORT PRIOR TO PERFORMING GRADING OR FILLING OPERATIONS.
- UNDERGROUND SPRINGS OR SUBSURFACE WATER MAY BE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION, DIVISION OF WATER POLLUTION CONTROL (615-687-7020), IF GROUND WATER IS ENCOUNTERED.
- CONTRACTOR SHALL ENSURE THAT DURING CONSTRUCTION, EXISTING FLOWS FROM UPSTREAM AREAS ARE NOT BLOCKED BY EQUIPMENT OR STOCKPILES. CONTRACTOR SHALL PROVIDE FLOW DIVERSIONS AROUND WORK AREAS AS NECESSARY. ALL EQUIPMENT SHALL BE REMOVED FROM THE DRAINAGE WAYS AND FLOODPLAIN AREAS AT THE END OF EACH WORK DAY. EXCAVATED OR STOCKPILED MATERIAL SHALL NOT BE STORED WITHIN DRAINAGE WAYS OR FLOODPLAIN AREAS.
- ANY DISTURBED AREA IN DENUDED STATE THAT IS LEFT IDLE FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY COVERED WITH STRAW.

QUANTITY TABLE*

ITEM	UNIT	QUANTITY
DREDGING	CY	16,100
PS31 FLAT SHEETS	SF	9,160
CONCRETE	CY	300
RIPRAP	TN	6855
SHOT ROCK	CY	4750
SAND	CY	1100
PIPE PILE	LF	300
FENDER TYPE 1	EA	6
FENDER TYPE 2	EA	30
HANDRAIL	LF	144

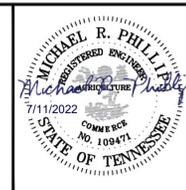
*VALUES ARE APPROXIMATE. CONTRACTOR SHOULD VERIFY QUANTITIES.



NOTICE TO DRAWING HOLDER
NEEL-SCHAFFER, INC., HERINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.

REVISIONS			DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	
				N-S PROJECT NO.: 16833.001
				FILENAME:
				SCALE:
				SURVEYED BY: ARC SURVEYING
				DSGN: DATE:
				DRWN: DATE:
				CHKD: DATE:
				QA/QC: DATE:

**CUMBERLAND RIVER TERMINAL
PARKER TOWING COMPANY
ASHLAND CITY, TENNESSEE**



GENERAL NOTES	
WORKING NUMBER:	DRAWING NUMBER:
	G 0.02

Survey Notes:

1. Survey based upon the record deeds of the subject tract as well as the record deeds of the adjacent tracts.
2. The bearings of the survey shown hereon are based on the Tennessee State Plane Coordinate System (GPS) and NAD 83 datum. Vertical information is referenced to the NAVD88 system.
3. The survey shown hereon is certified to the assignees shown hereon for the use of the property conveyance between parties and no other use is certified or authorized.
4. This firm makes no guarantee as to the title of the property shown hereon.
5. The survey shown hereon is boundary retracement survey and the property shown hereon reflects the title documents recorded, including sell-offs, and road widenings.
6. The property shown hereon does graphically fall within a special floodzone areas per FEMA FIRM MAP Panels 47021C0234D and 47021C0235D, dated 09/27/2010.
7. Wetlands delineation shown hereon was taken from a Wetlands Delineation Survey provided by Lord & Winter, Inc.

SURVEYOR CERTIFICATION

I hereby certify that the survey shown hereon is a Category 1 survey and that the ratio of precision of the unadjusted survey is 1:10,000 or greater and that the information shown is accurate and true to the best of my knowledge.



Jeremy E. Loudenbeck
TN, RLS 2195

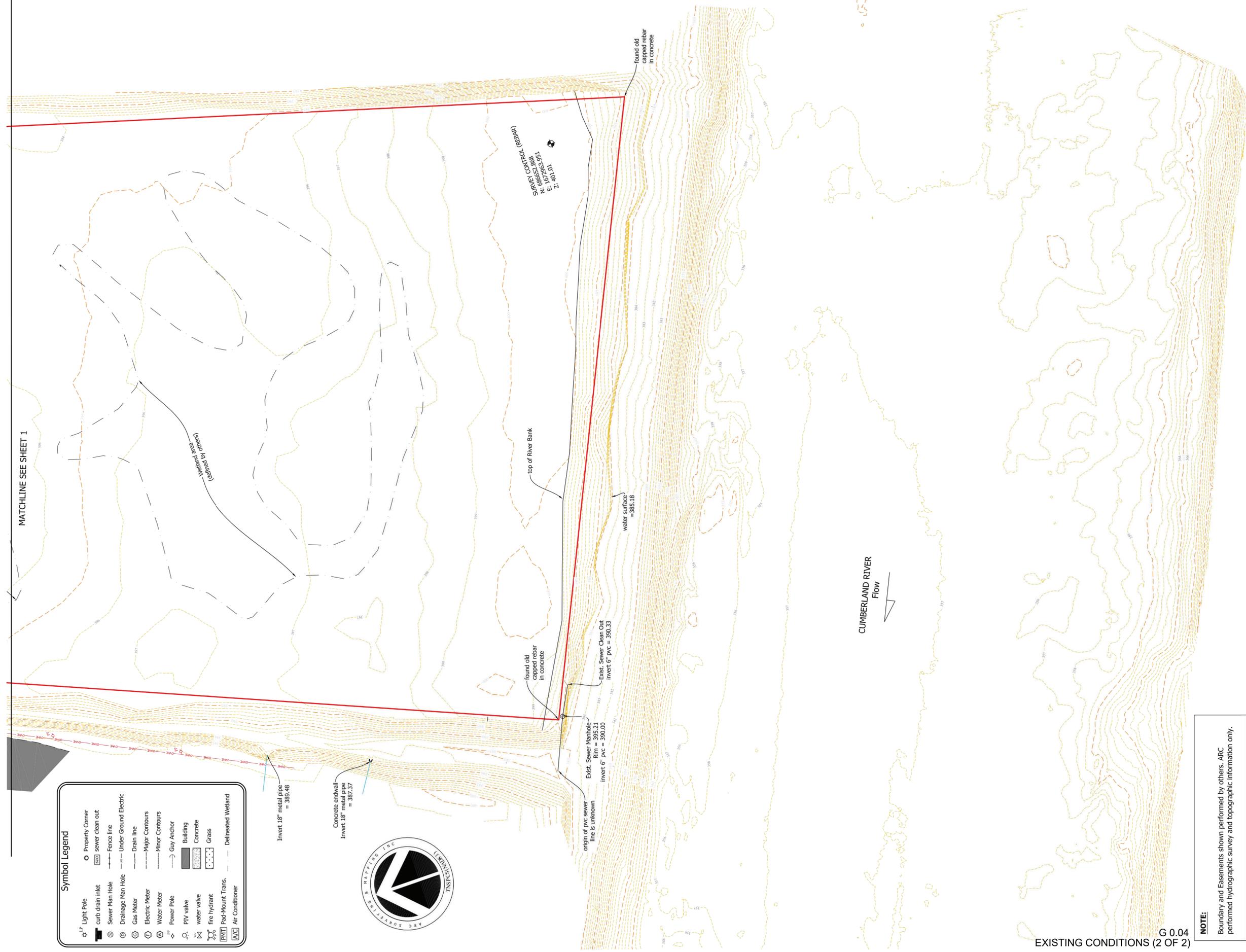


Survey Datum:

1. The horizontal datum is based on the Tennessee State Plane Coordinate System (NAD1983)
2. The vertical datum is based on the NAVD88 vertical datum
3. All distances, coordinates, and bearings are based on grid values

MATCHLINE SEE SHEET 1

Symbol Legend	
Light Pole	Property Corner
curb drain inlet	sewer clean out
Sewer Man Hole	Fence line
Drainage Man Hole	Under Ground Electric
Gas Meter	Drain line
Electric Meter	Major Contours
Water Meter	Minor Contours
Power Pole	Guy Anchor
P.V. valve	Building
water valve	Concrete
fire hydrant	Grass
Pad-Mount Trans.	Delineated Wetland
A/C	Air Conditioner



G 0.04
EXISTING CONDITIONS (2 OF 2)

NOTE:

Boundary and Easements shown performed by others. ARC performed hydrographic survey and topographic information only.

Drawn By: SBU
Scale: 1" = 50'
Plot Date: 05/02/2018
File Name: Sbase
Flt Bk / Pg: xx/xx/xx
ARC Project No.: 18-11-08M
SHEET: 2 OF: 2

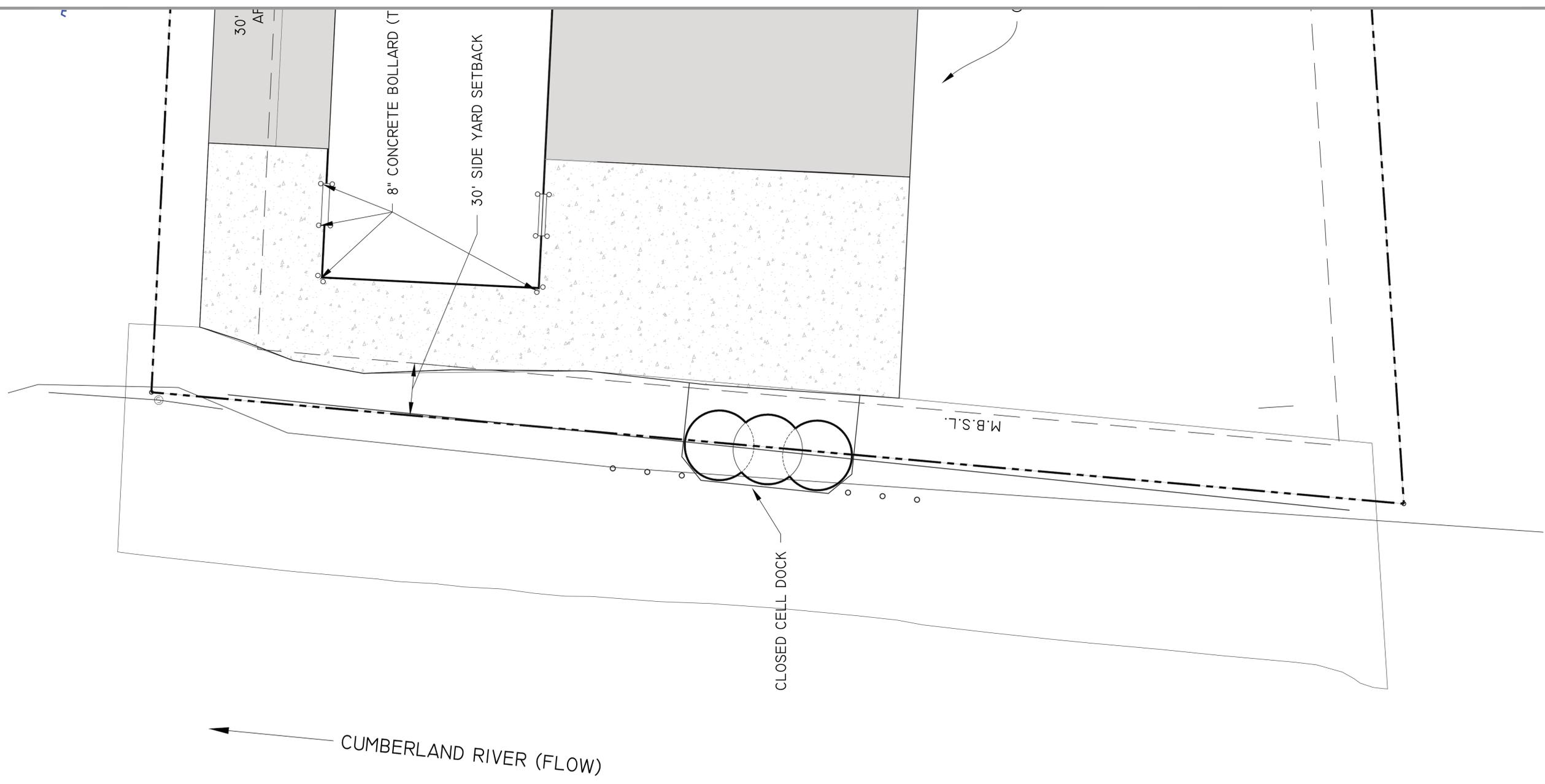
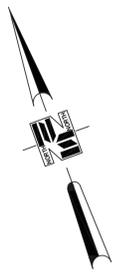


Arc Surveying & Mapping, Inc.
Professional Hydrographers • Surveyors • Mappers
5567 Commander Drive, Suite 101
Arlington, TN, 38002
901.867.5533

Prepared For:
Neel-Schafer Inc.
210 25th Avenue North, Suite 800
Nashville, TN, 37203

Project Title:
Topographic Survey
Parker Towing site
Ashland City, TN, Cumberland River

DATE	BY	REVISION



CUMBERLAND RIVER (FLOW)

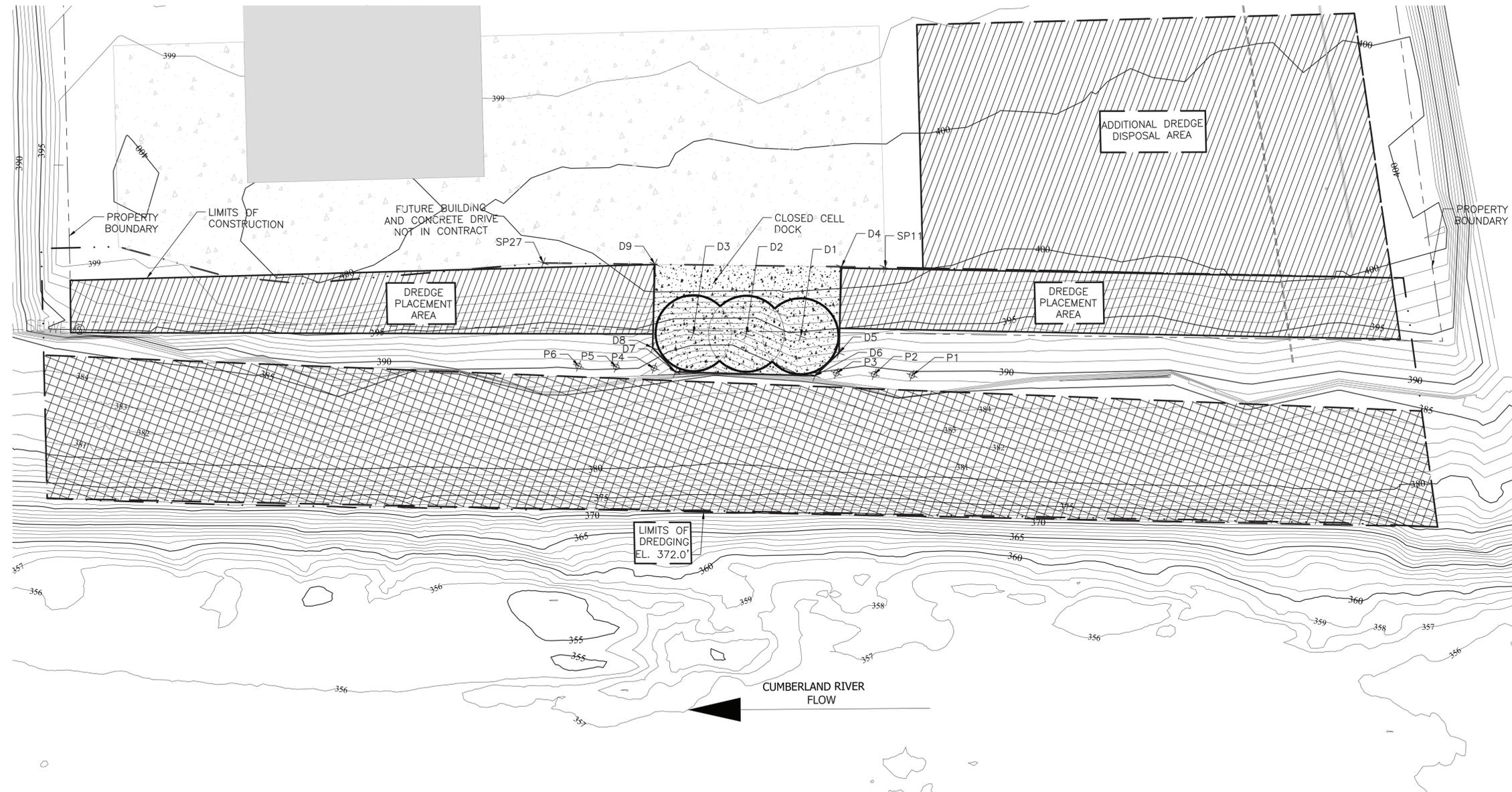
NOTICE TO DRAWING HOLDER
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				16833.001	

**CUMBERLAND RIVER TERMINAL
 PARKER TOWING COMPANY
 ASHLAND CITY, TENNESSEE**



SITE PLAN	
WORKING NUMBER:	DRAWING NUMBER:
	C 1.00



DOCK COORDINATES		
POINT	NORTHING	EASTING
D1	686696.17	1672678.89
D2	686709.16	1672653.21
D3	686720.91	1672627.83
D4	686720.15	1672713.15
D5	686679.90	1672693.90
D6	686673.46	1672677.40
D7	686705.67	1672610.93
D8	686722.17	167265.21
D9	686760.59	1672623.83
P1	686652.59	1672724.25
P2	686661.31	1672706.25
P3	686670.03	1672688.26
P4	686712.07	1672601.51
P5	686720.79	1672583.51
P6	686729.51	1672565.52

REFERENCE COORDINATES		
POINT	NORTHING	EASTING
SP11	686710.91	1672734.51
SP27	686787.20	1672570.63

SCALE: 1" = 30'

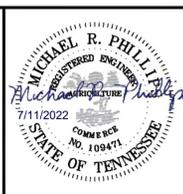
LEGEND

DREDGING AREA	
DREDGE PLACEMENT	

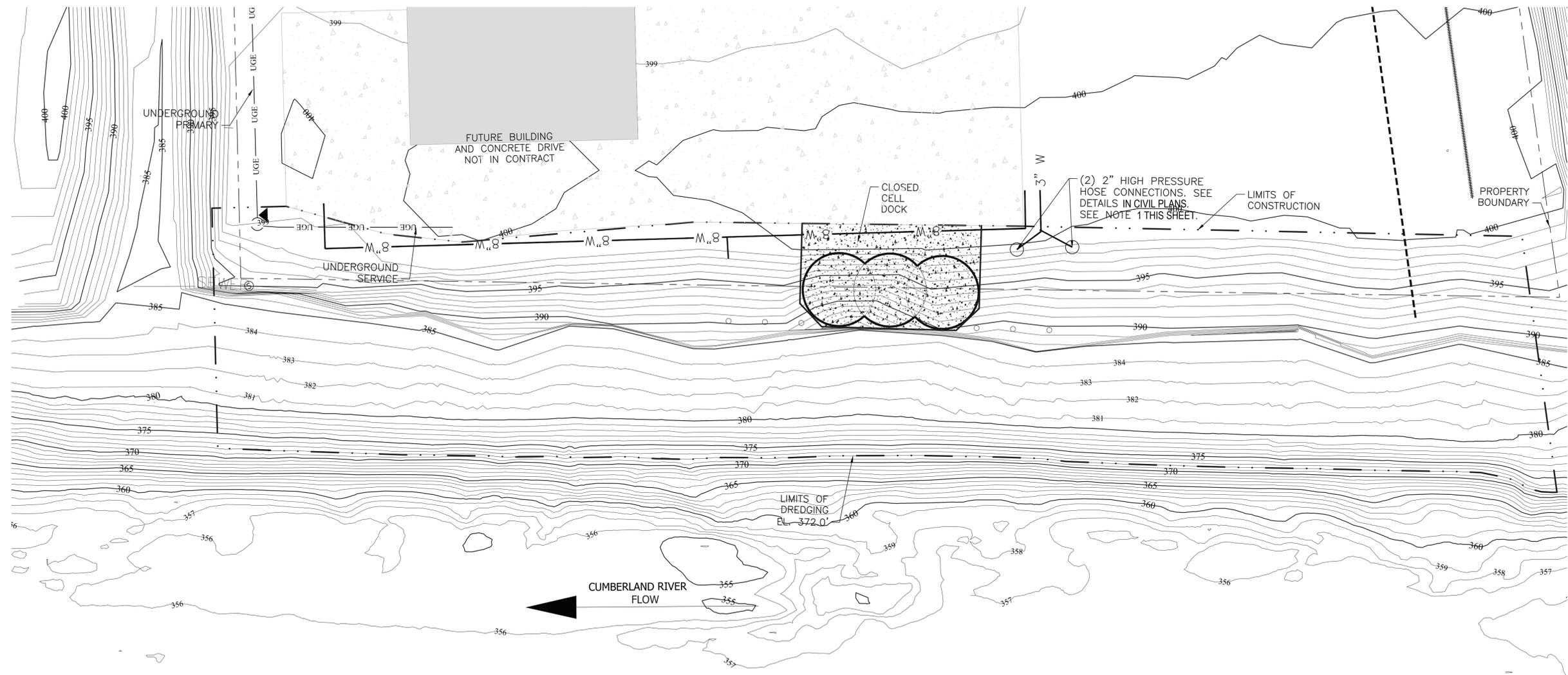
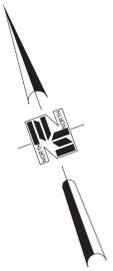
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**CUMBERLAND RIVER TERMINAL
 PARKER TOWING COMPANY
 ASHLAND CITY, TENNESSEE**



PROPOSED SITE PLAN	
WORKING NUMBER:	DRAWING NUMBER:
	C 2.00



SCALE: 1" = 30'

LEGEND

- TRANSFORMER - PAD MOUNTED
- NEW UNDERGROUND PRIMARY
- NEW UNDERGROUND SECONDARY

NOTES:

1. LOCATION OF 2" HIGH PRESSURE HOSE CONNECTION IS APPROXIMATE. CONTRACTOR TO INSTALL CONTRACT AND STUB TO CONNECTION IF NOT INSTALLED AT TIME OF CONSTRUCTION.

NOTICE TO DRAWING HOLDER
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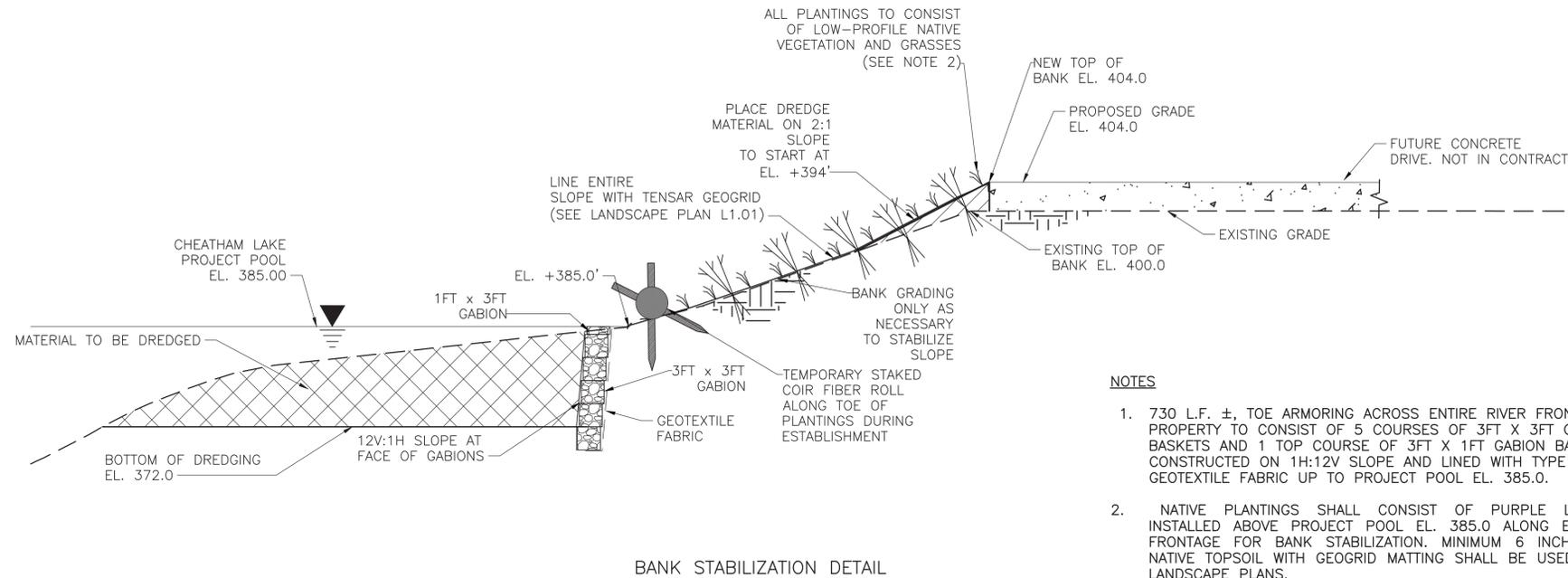
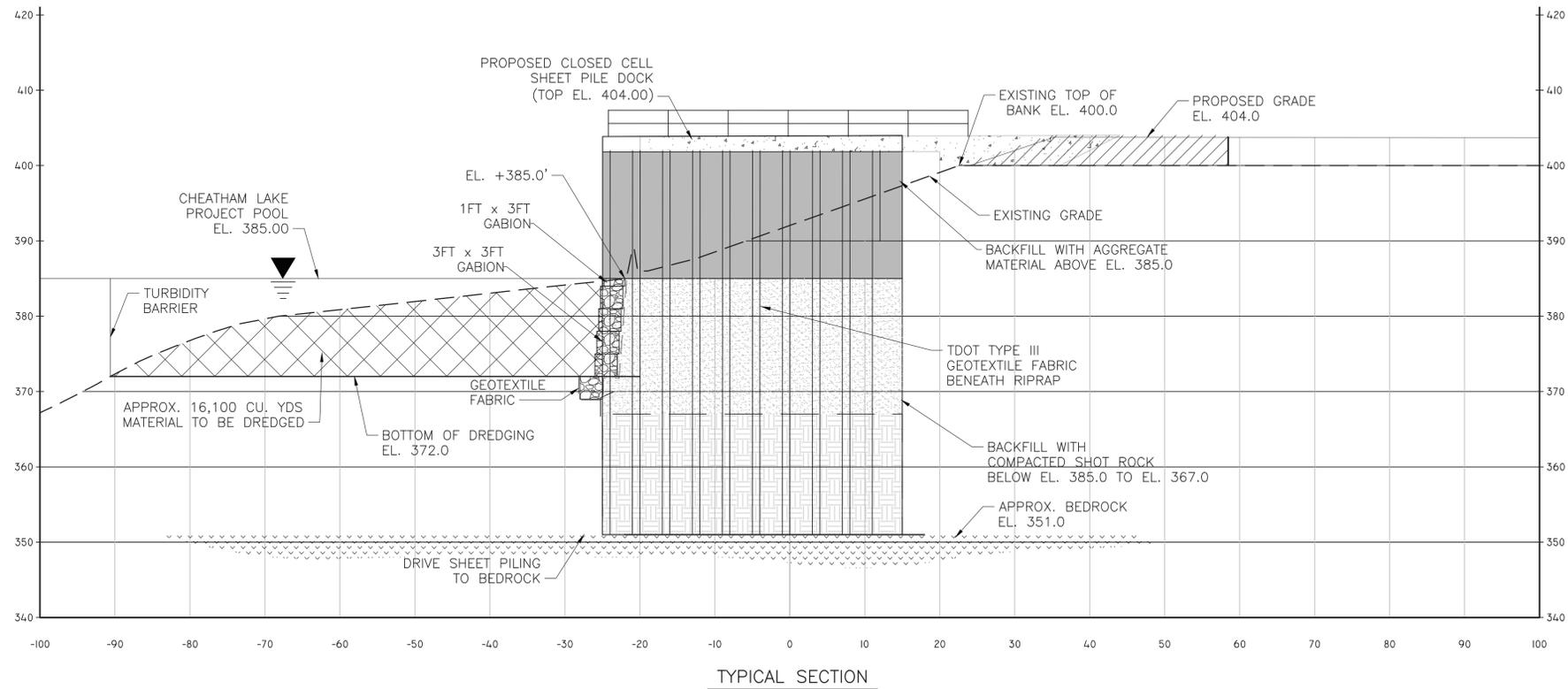
REVISIONS		
NO.	DATE	BY

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DSGN:	DATE:
DRWN:	DATE:
CHKD:	DATE:
QA/QC:	DATE:

**CUMBERLAND RIVER TERMINAL
 PARKER TOWING COMPANY
 ASHLAND CITY, TENNESSEE**



UTILITY PLAN	
WORKING NUMBER:	DRAWING NUMBER:
	C 3.00



- NOTES**
- 730 L.F. ±, TOE ARMORING ACROSS ENTIRE RIVER FRONTAGE OF PROPERTY TO CONSIST OF 5 COURSES OF 3FT X 3FT GABION BASKETS AND 1 TOP COURSE OF 3FT X 1FT GABION BASKETS CONSTRUCTED ON 1H:12V SLOPE AND LINED WITH TYPE III GEOTEXTILE FABRIC UP TO PROJECT POOL EL. 385.0.
 - NATIVE PLANTINGS SHALL CONSIST OF PURPLE LOVE GRASS INSTALLED ABOVE PROJECT POOL EL. 385.0 ALONG ENTIRE RIVER FRONTAGE FOR BANK STABILIZATION. MINIMUM 6 INCH DEPTH OF NATIVE TOPSOIL WITH GEOGRID MATTING SHALL BE USED. REFER TO LANDSCAPE PLANS.

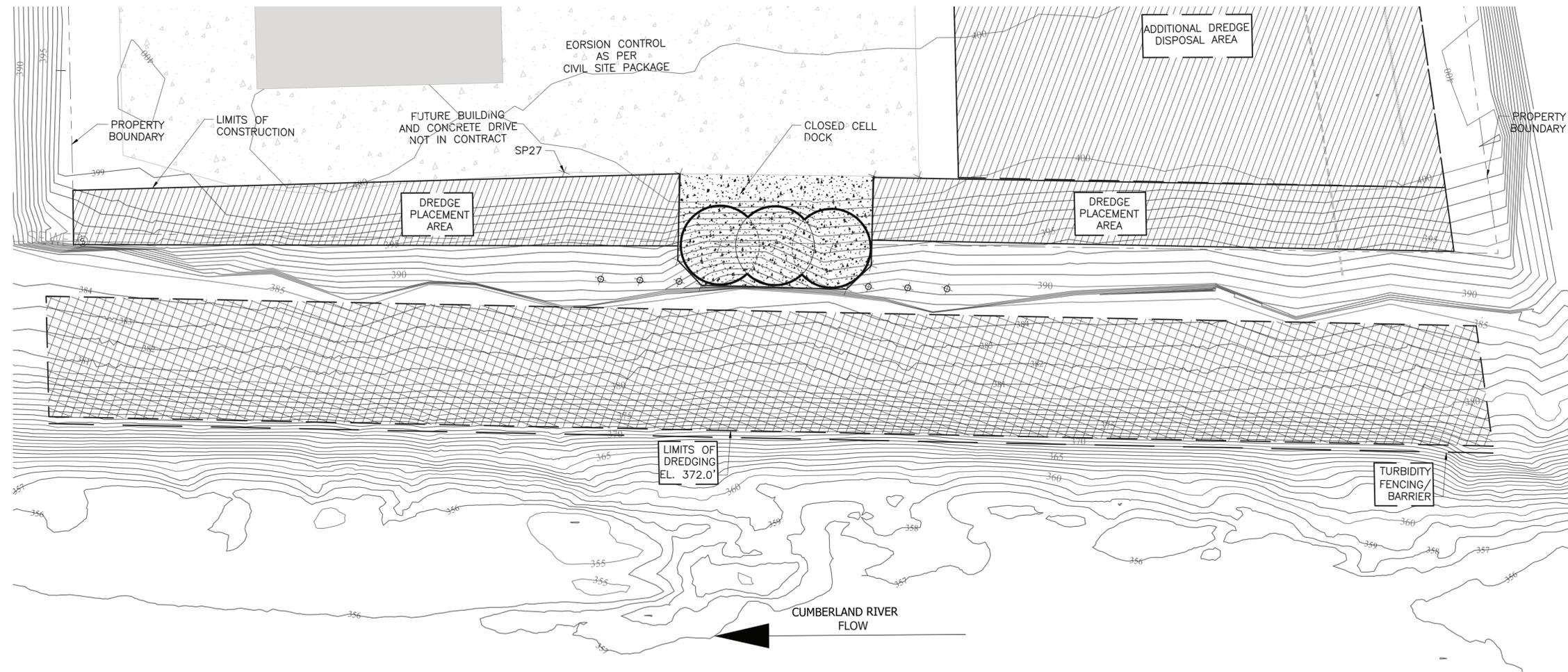
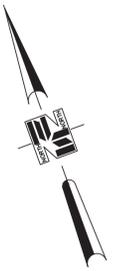
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**CUMBERLAND RIVER TERMINAL
 PARKER TOWING COMPANY
 ASHLAND CITY, TENNESSEE**



TYPICAL SECTIONS	
WORKING NUMBER:	DRAWING NUMBER:
	C 4.00



SCALE: 1" = 30'

LEGEND

- DREDGING AREA
- DREDGE PLACEMENT

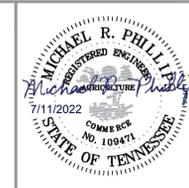
NOTES:

1. CONTRACTOR TO INSTALL TURBIDITY FENCING ALONG LIMITS OF DREDGING TO PROVIDE EROSION CONTROL.
2. CONTRACTOR TO PROVIDE ALTERNATE EROSION CONTROL METHODS AND OBTAIN ENGINEER APPROVAL IF TURBIDITY BARRIER MAY POSE ISSUES IN CONSTRUCTION.

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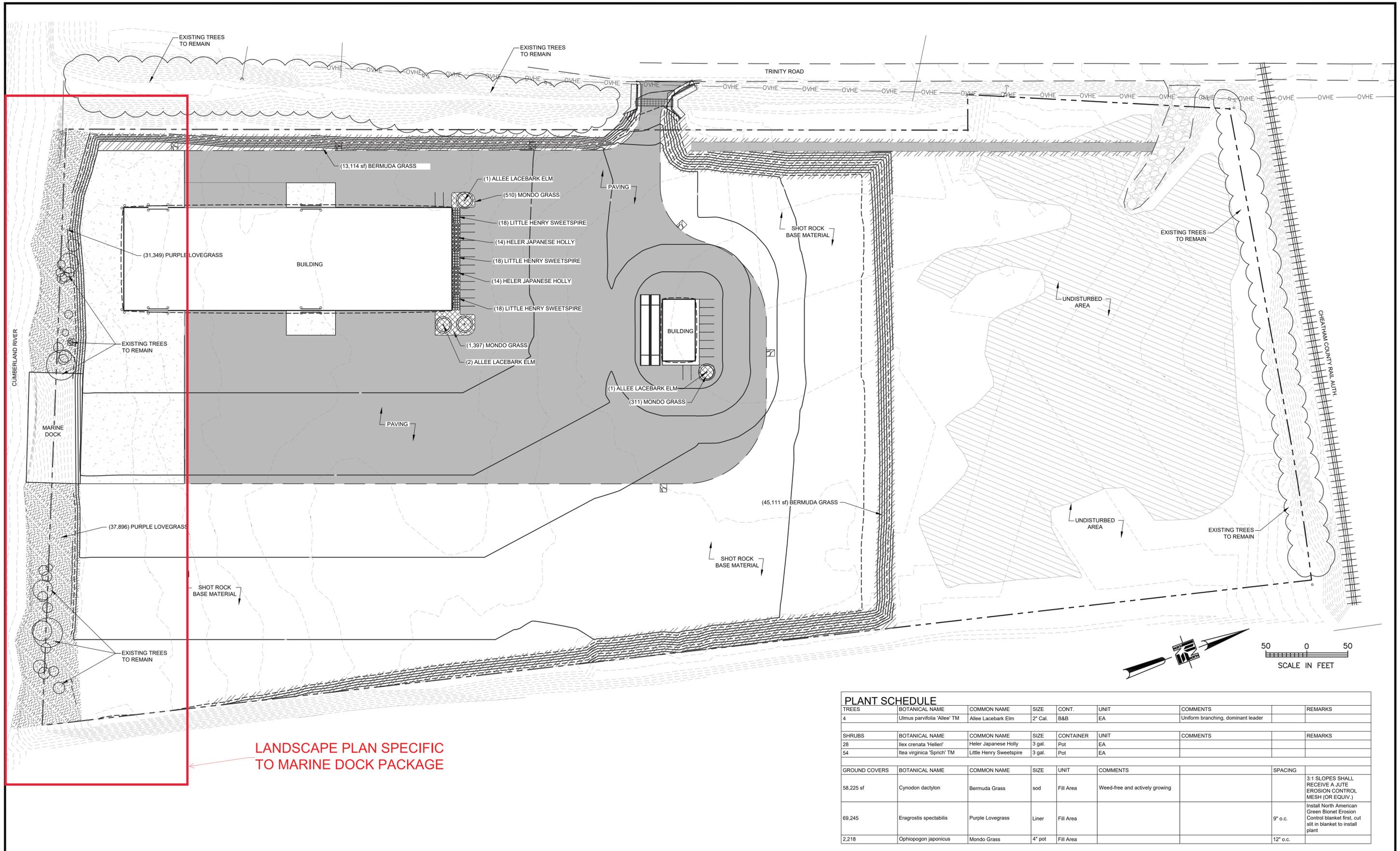
**CUMBERLAND RIVER TERMINAL
 PARKER TOWING COMPANY
 ASHLAND CITY, TENNESSEE**



EROSION CONTROL

WORKING NUMBER: DRAWING NUMBER:

C 5.00



LANDSCAPE PLAN SPECIFIC TO MARINE DOCK PACKAGE

PLANT SCHEDULE							
TREES	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	UNIT	COMMENTS	REMARKS
4	Ulmus parvifolia 'Allee' TM	Allee Lacebark Elm	2" Cal.	B&B	EA	Uniform branching, dominant leader	
SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	UNIT	COMMENTS	REMARKS
28	Ilex crenata 'Helleri'	Helier Japanese Holly	3 gal.	Pot	EA		
54	Itea virginica 'Sprich' TM	Little Henry Sweetspire	3 gal.	Pot	EA		
GROUND COVERS	BOTANICAL NAME	COMMON NAME	SIZE	UNIT	COMMENTS	SPACING	REMARKS
58,225 sf	Cynodon dactylon	Bermuda Grass	sod	Fill Area	Weed-free and actively growing		3:1 SLOPES SHALL RECEIVE A JUTE EROSION CONTROL MESH (OR EQUIV.)
69,245	Eragrostis spectabilis	Purple Lovegrass	Liner	Fill Area		9" o.c.	Install North American Green Bionet Erosion Control blanket first, cut slit in blanket to install plant
2,218	Ophiopogon japonicus	Mondo Grass	4" pot	Fill Area		12" o.c.	

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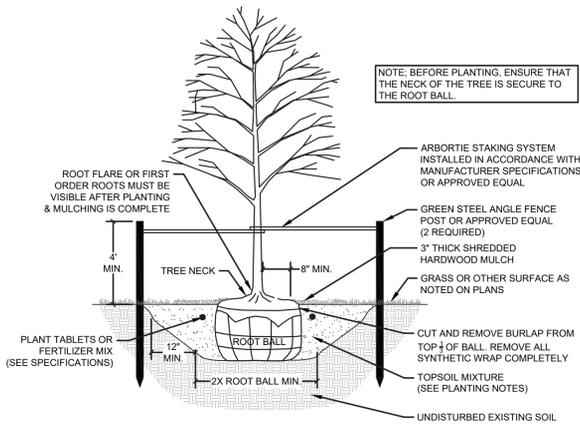
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**CUMBERLAND RIVER TERMINAL
 PARKER TOWING COMPANY
 ASHLAND CITY, TENNESSEE**

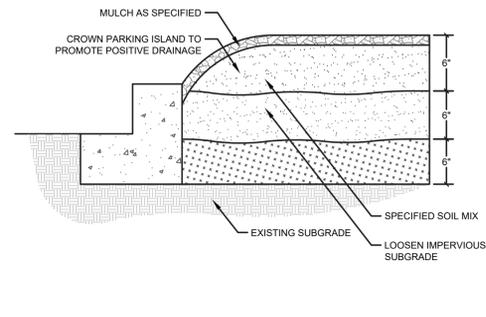


LANDSCAPE PLAN

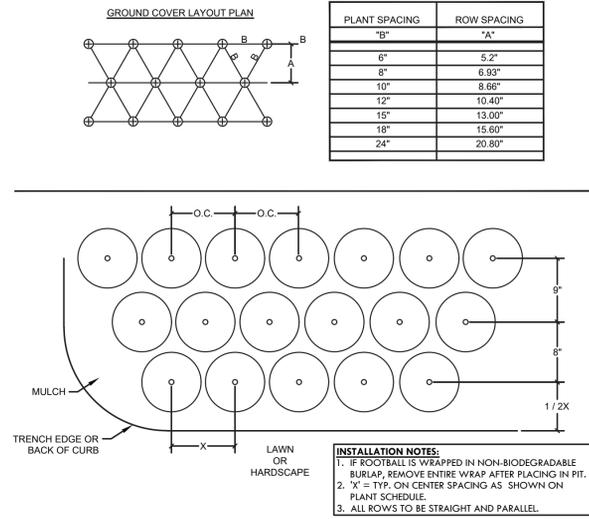
WORKING NUMBER: DRAWING NUMBER:
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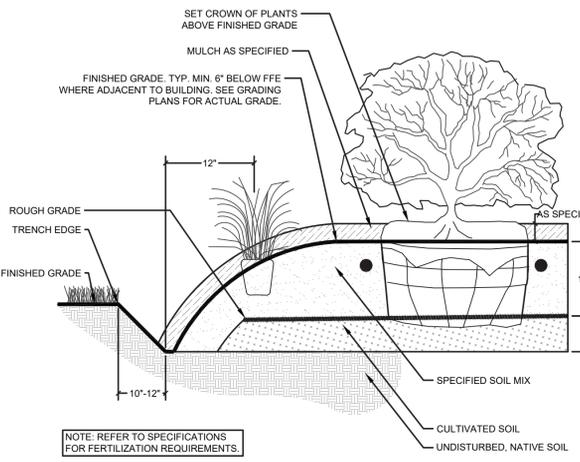
1 TREE PLANTING & GUYING
NOT TO SCALE



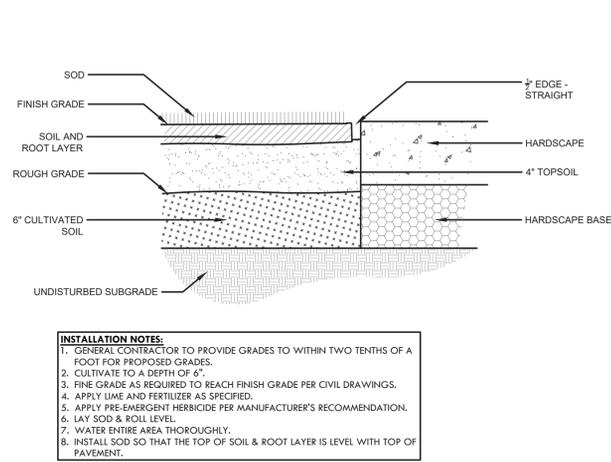
3 PARKING LOT ISLAND DETAIL
NOT TO SCALE



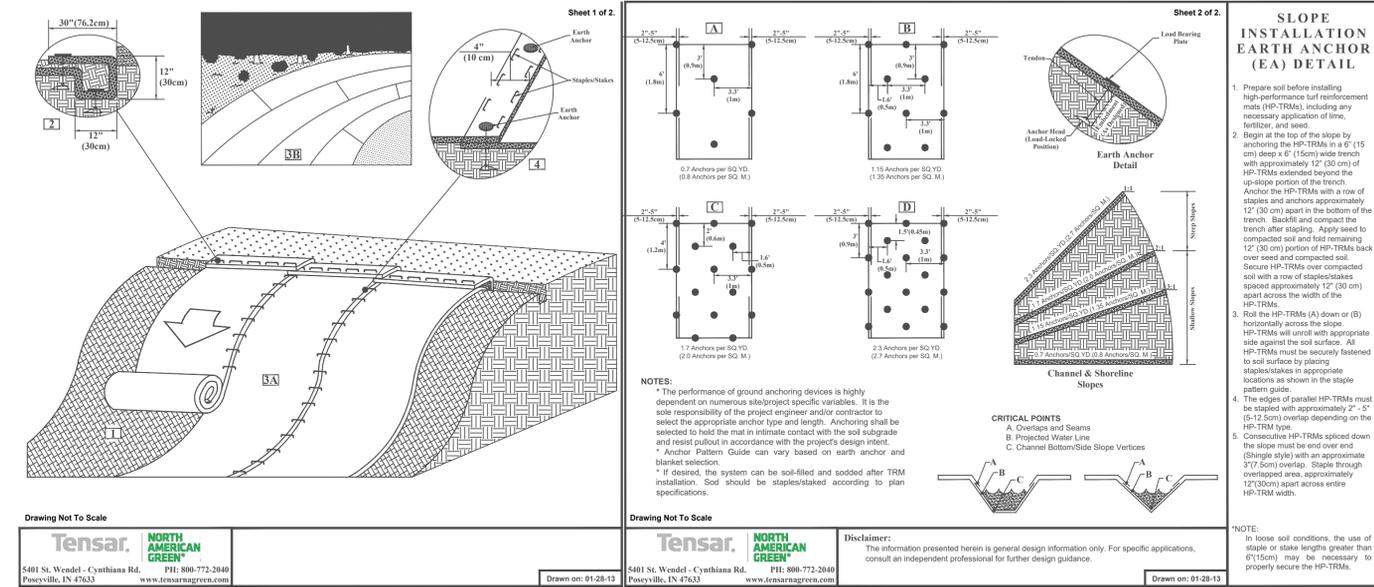
5 TYP PLANT MASS & GROUND COVER SPACING
NOT TO SCALE



2 SHRUB AND GROUND COVER PLANTING
NOT TO SCALE



4 SOD INSTALLATION
NOT TO SCALE



5 SLOPE INSTALLATION EARTH ANCHOR (EA) DETAIL

- LANDSCAPE NOTES**
- CONTRACTOR TO CAREFULLY EXAMINE THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS BEFORE SUBMITTING BID PROPOSAL OR COMMENCING WORK.
 - PLANT QUANTITIES SHOWN ARE FOR CONTRACTOR CONVENIENCE. VERIFY BEFORE SUBMITTING BID PROPOSAL THAT QUANTITIES SHOWN WILL ADEQUATELY FULFILL THE DESIGN INTENT. VERIFY PRIOR TO PLACEMENT THAT QUANTITIES ARE ADEQUATE CONTACT LANDSCAPE ARCHITECT WITH DISCREPANCIES.
 - TREES AND SHRUBS THAT ARE 25% DEAD DURING WARRANTY PERIOD SHALL BE REPLACED. ANY WARRANTY PERIOD THAT EXTENDS PAST THE GROWING SEASON SHALL BE CONTINUED INTO THE NEXT SEASON.
 - DAMAGE TO EXISTING UTILITIES OR SITE IMPROVEMENTS CAUSED BY THE CONTRACTOR ARE THE FULL RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE REPAIRED OR REPLACED AT HIS COST, SUBJECT TO OWNER'S APPROVAL.
 - CONTRACTOR'S BASE BID TO INCLUDE ALL MATERIALS, LABOR, PERMITS, EQUIPMENT, TOOLS, INSURANCE, ETC. TO PERFORM THE WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS.
 - CONTRACTOR TO COMPLETE WORK WITHIN SCHEDULE ESTABLISHED BY OWNER.
 - CONTRACTOR TO PROVIDE ONE YEAR WARRANTY FOR ALL MATERIAL FROM DATE OF COMPLETION.
 - PROVIDE UNIT PRICE FOR ALL MATERIALS (INSTALLED COST) LISTED ON THE PLANT SCHEDULE.
 - CONTRACTOR TO PROVIDE INTERIM MAINTENANCE (WATERING, PRUNING, FERTILIZING, QUINING, MOWING, TRIMMING, ADEQUATE DRAINAGE OF PONDING AREAS, EDGING, WEEDING, MULCHING, APPLICATION OF INSECTICIDES/HERBICIDES, AND GENERAL LANDSCAPE CLEANUP) UNTIL SUBSTANTIAL COMPLETION NOTICE IS PROVIDED BY THE OWNER OR OWNER'S REPRESENTATIVE.
 - PERFORM WORK IN COMPLIANCE WITH ALL APPLICABLE LAWS, CODES, AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK AND PROVIDE FOR PERMITS REQUIRED BY LOCAL AUTHORITIES.
 - ALL PLANT MATERIAL TO BE SPECIMEN QUALITY AS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, HORTICULTURAL STANDARDS, LATEST EDITION. QUALITY OF THE PLANT MATERIAL TO BE JUDGED BY THE OWNER'S REPRESENTATIVE. INFERIOR PLANT MATERIAL TO BE REJECTED.
 - PLANT MATERIAL TO BE FREE OF DISEASE, INSECT PESTS, EGGS, OR LARVAE. DAMAGED PLANT MATERIAL SHALL BE REJECTED.
 - ALL TREES SHALL BE TRUE TO NAME AS ORDERED OR SHOWN ON THE PLANTING PLANS AND SHALL BE LABELED INDIVIDUALLY.
 - ALL TREES SHALL COMPLY WITH FEDERAL AND STATE LAWS AND REGULATIONS REQUIRING INSPECTION FOR PLANT DISEASES, PEST, AND WEEDS. INSPECTION CERTIFICATES REQUIRED BY LAW SHALL ACCOMPANY EACH SHIPMENT OF PLANTS.
 - UNLESS OTHERWISE NOTED, ALL TREES SHALL HAVE A SINGLE, RELATIVELY STRAIGHT CENTRAL LEADER AND TAPERED TRUNK, FREE OF CO-DOMINATE STEMS AND VIGOROUS, UPRIGHT BRANCHES THAT COMPETE WITH THE CENTRAL LEADER.
 - ALL TREES SHOULD HAVE MAIN BRANCHES DISTRIBUTED RADIALLY AROUND AND VERTICALLY ALONG THE TRUNK, FORMING A GENERALLY SYMMETRICAL CROWN TYPICAL FOR THE SPECIES.

- BRANCH DIAMETER ON ALL TREES SHALL BE NO GREATER THAN 1/3 (TWO THIRDS) THE DIAMETER OF THE TRUNK, MEASURED 1" ABOVE THE BRANCH TYPICAL OF SPECIES. THE ATTACHMENT OF SCAFFOLD BRANCHES SHALL BE FREE OF INCLUDED BARK.
- TRUNK DIAMETER AND TAPER SHALL BE SUFFICIENT SO THAT THE TREE WILL REMAIN VERTICAL WITHOUT THE SUPPORT OF A NURSERY STAKE.
- ALL TREE TRUNKS SHALL BE FREE OF WOUNDS (EXCEPT PROPERLY MADE PRUNING CUTS), SUNBURNED AREAS, CONK (FUNGAL FRUITING-BODIES), WOOD CRACKS, BLEEDING AREAS, SIGNS OF BORING INSECTS, GALLS, CANKERS AND/OR LESIONS.
- ALL PLANT MATERIALS ROOT COLLAR (ROOT CROWN) AND LARGE ROOTS SHALL BE FREE OF CIRCLING AND/OR KINKED ROOTS. SOIL REMOVAL NEAR THE ROOT COLLAR MAY BE NECESSARY TO INSPECT FOR CIRCLING AND/OR KINKED ROOTS.
- UPON INSPECTION OF ALL PLANT MATERIALS THE FOLLOWING CHARACTERISTICS SHALL BE FOUND.
 - CROWN FORM: THE FORM OR SHAPE OF THE CROWN IS TYPICAL FOR SPECIES AND IS NOT DEFORMED BY WIND, PRUNING, PEST OR OTHER FACTORS.
 - LEAVES: THE SIZE, COLOR AND APPEARANCE OF LEAVES ARE TYPICAL FOR THE TIME OF YEAR AND STAGE OF GROWTH OF THE SPECIES/CULTIVAR. LEAVES ARE NOT STUNTED, MISSHAPEN, TATTERED, DISCOLORED OR OTHERWISE ATYPICAL.
 - BRANCHES: SHOOT GROWTH (LENGTH AND DIAMETER) THROUGHOUT THE CROWN IS TYPICAL FOR THE AGE/SIZE OF THE SPECIES/CULTIVAR. TREES DO NOT HAVE DEAD, DISEASED, BROKEN, DISTORTED OR OTHER SERIOUS BRANCH INJURIES.
 - TRUNK: THE TREE TRUNK SHOULD BE STRAIGHT, VERTICAL AND FREE OF WOUNDS.
 - TREE HEIGHT AND TRUNK DIAMETER ARE TYPICAL OF AGE, SPECIES/CULTIVAR AND CONTAINER SIZE.
 - ROOTS: THE ROOT SYSTEM IS FREE OF INJURY FROM BIOTIC (INSECTS, PATHOGENS, ETC.) AND ABIOTIC AGENTS (HERBICIDE TOXICITY, SALT INJURY, EXCESS IRRIGATION, ETC.) ROOT DISTRIBUTION IS UNIFORM THROUGHOUT THE SOIL MIX OR GROWTH MEDIA AND GROWTH IS TYPICAL FOR THE SPECIES/CULTIVAR.
- TREES SHALL BE INSTALLED 3" ABOVE FINISH GRADE IN HARDPAN AREAS UNLESS OTHERWISE DIRECTED TO PROVIDE DRAINAGE.
- AGRIFORM 21 GRAM SLOW RELEASE FERTILIZER TABLET SHALL BE USED FOR ALL TREE AND SHRUBS AT THE FOLLOWING RATES:

FERTILIZER TABLET APPLICATION RATES	CONTAINER/TREE SIZE	NO. OF TABLETS
4" POTS	—	1 TABLET
1 GAL	—	1 TABLET
3 GAL	—	3 TABLETS
7 GAL	—	5 TABLETS
15 GAL	—	10 TABLETS
1.5-3" CAL. TREE	—	20 TABLETS
3.5-5" CAL. TREE	—	30 TABLETS

 (FOR MORE INFORMATION SEE SPECIFICATION DOCUMENT.)
- ANY SERIES OF TREES OR SHRUBS TO BE PLACED IN A PARTICULAR ARRANGEMENT SHALL BE IN STRAIGHT ROWS.
- SET ALL PLANTS PLUMB AND TURNED SO THAT THE MOST ATTRACTIVE SIDE IS VIEWED.
- PLANTS SHALL BE MEASURED TO THEIR MAIN STRUCTURE, NOT TIP TO TIP OF BRANCHES.

- REMOVE TOP ONE-THIRD BURLAP OF B&B WRAPPING. REMOVE ALL BINDING.
- TREE PIT AND SHRUB PIT TO BE TWICE THE SIZE OF THE ROOT MASS. FILL WITH PLANT MIX.
- BROKEN ROOT BALLS FOR TREES SHALL BE REJECTED.
- ANY PLANT MATERIALS SHIPPED TO SITE IN UNCOVERED VEHICLES/TRAILER SHALL BE REJECTED, REGARDLESS OF SEASON.
- SCARIFY ROOT MASS OR SHRUBS AND GROUND COVER BEFORE INSTALLATION.
- SPACE SHRUBS, GROUND COVER, AND SEASONAL COVER EVENLY AND IN STRAIGHT ROWS.
- ALL TREE SCARS OVER 1-1/2" SHALL BE REJECTED AND TREE TO BE REPLACED.
- PAIN ALL TREE SCARS WITH TREE PAINT.
- ALL SHRUBS TO BE DENSE AND FULL. ALL TREES TO HAVE A SYMMETRICAL GROWTH HABIT (360 DEGREES UNLESS UNCHARACTERISTIC TO PLANT TYPE).
- REMOVE ALL EXCESS GROWTH OF TREES AND SHRUBS AS DIRECTED BY OWNER'S REPRESENTATIVE. DO NOT CUT CENTRAL LEADER.
- LAYOUT ALL PLANT MATERIAL ACCORDING TO LANDSCAPE DRAWINGS. RECEIVE APPROVAL OF ALL LAYOUTS BEFORE INSTALLATION. ADJUSTMENTS TO THE LAYOUT SHALL BE MADE BY THE OWNER'S REPRESENTATIVE. LANDSCAPE CONTRACTOR TO MAKE ADJUSTMENTS TO LAYOUT AT NO ADDITIONAL COST TO THE OWNER. LANDSCAPE CONTRACTOR RESPONSIBLE FOR ADJUSTMENT OF LAYOUT IN ORDER TO AVOID UTILITIES. NOTIFY OWNER'S REPRESENTATIVE OF CONTINGENT ADJUSTMENTS TO THE LAYOUT AND RECEIVE APPROVAL BEFORE COMMENCING. OWNER'S REPRESENTATIVE SHALL REVIEW PROJECT AT COMPLETION OF INSTALLATION FOR COMPLETION. FINAL COMPLETION SHALL BE GIVEN AT THE END OF THE WARRANTY PERIOD IF ALL ITEMS ARE COMPLETED TO THE OWNER'S SATISFACTION. CONTRACTOR SHALL BE NOTIFIED IN WRITING OF FINAL COMPLETION DATES.
-

NOTICE TO DRAWING HOLDER
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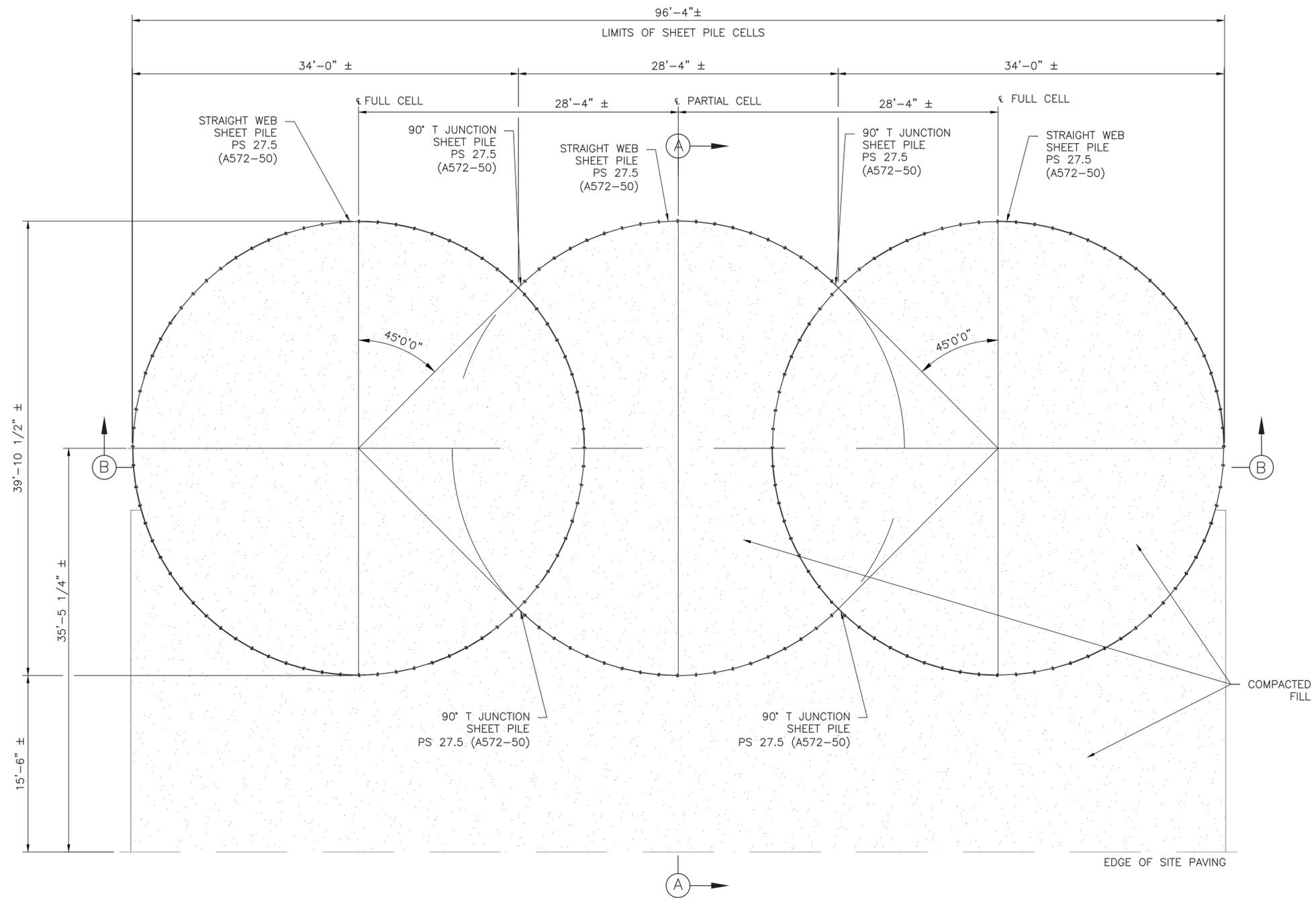
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**CUMBERLAND RIVER TERMINAL
PARKER TOWING COMPANY
ASHLAND CITY, TENNESSEE**



LANDSCAPE DETAILS	
WORKING NUMBER:	DRAWING NUMBER:
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CELLULAR SHEET PILE STRUCTURE PLAN

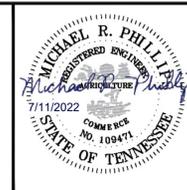
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**CUMBERLAND RIVER TERMINAL
PARKER TOWING COMPANY
ASHLAND CITY, TENNESSEE**

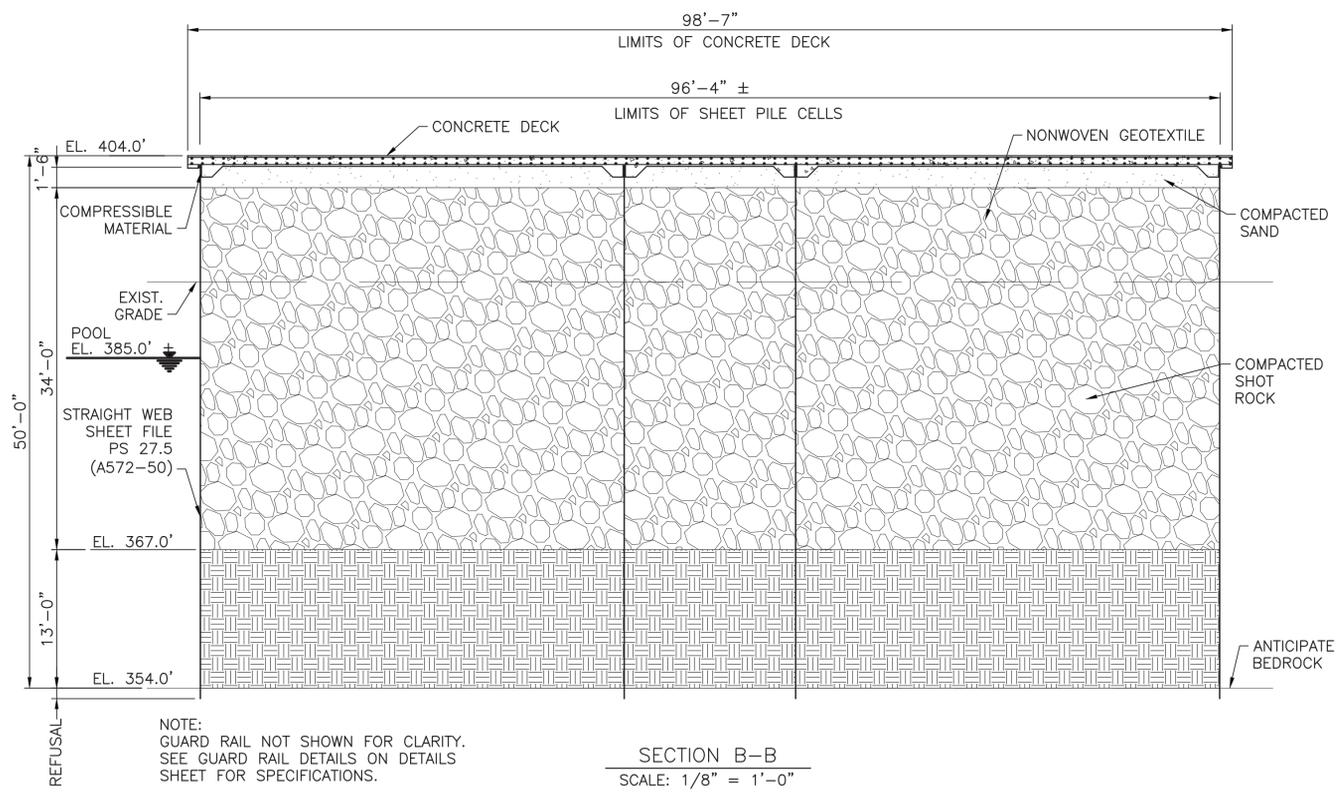
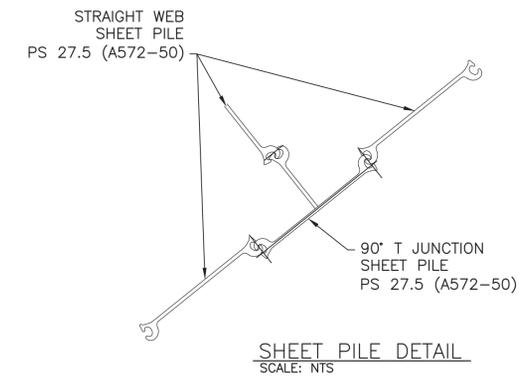
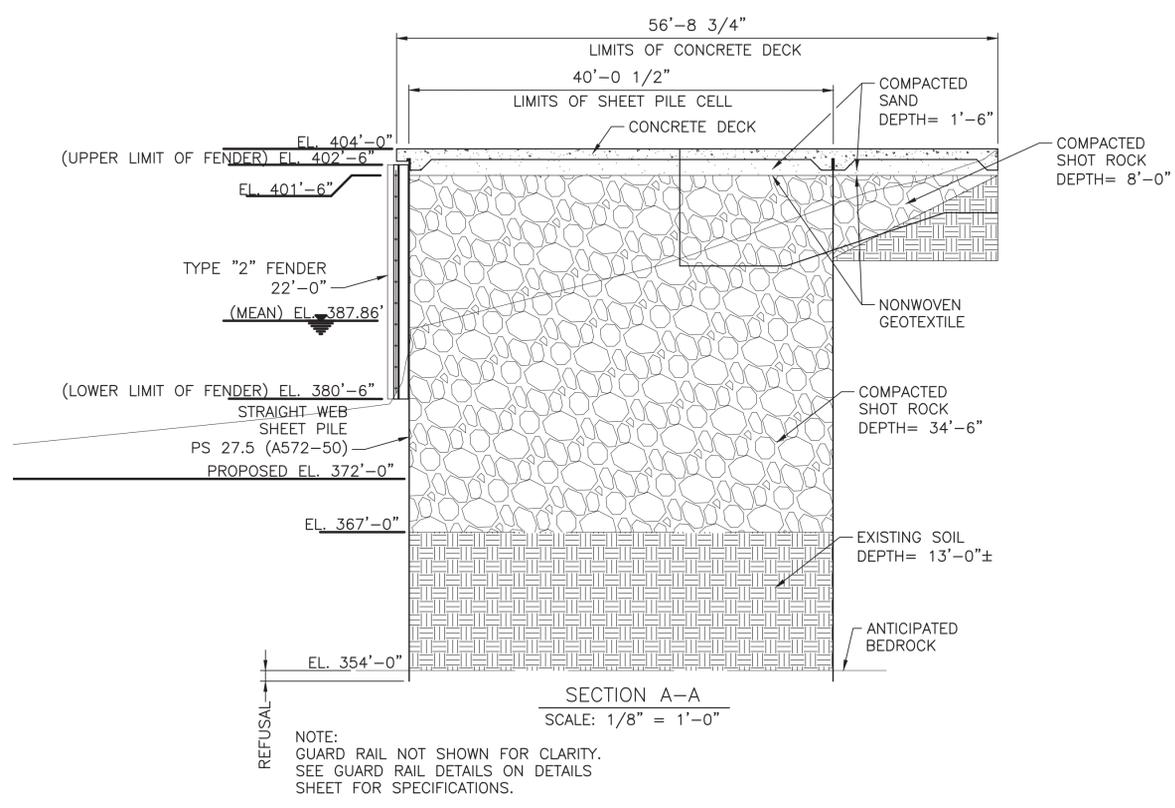


CELLULAR SHEET PILE
STRUCTURE PLAN

WORKING NUMBER:

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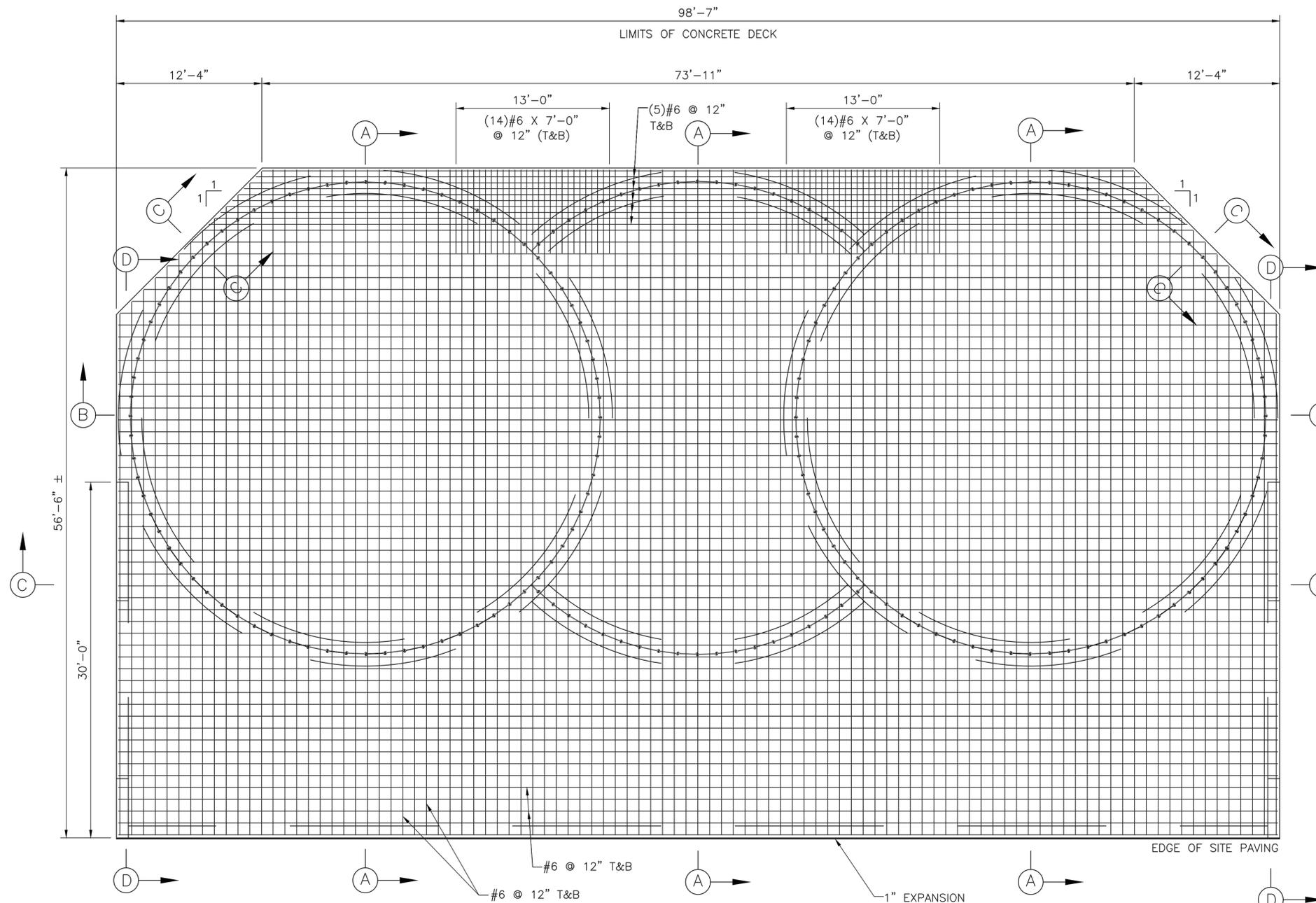
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**CUMBERLAND RIVER TERMINAL
PARKER TOWING COMPANY
ASHLAND CITY, TENNESSEE**



CELLULAR SHEET PILE STRUCTURE DETAILS	
WORKING NUMBER:	DRAWING NUMBER:
	S 2.01



NOTE:
GUARD RAIL NOT SHOWN FOR CLARITY.
SEE GUARD RAIL DETAILS ON DETAILS
SHEET FOR SPECIFICATIONS.

CONCRETE DECK PLAN

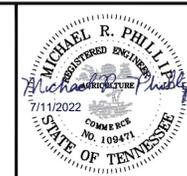
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**CUMBERLAND RIVER TERMINAL
PARKER TOWING COMPANY
ASHLAND CITY, TENNESSEE**

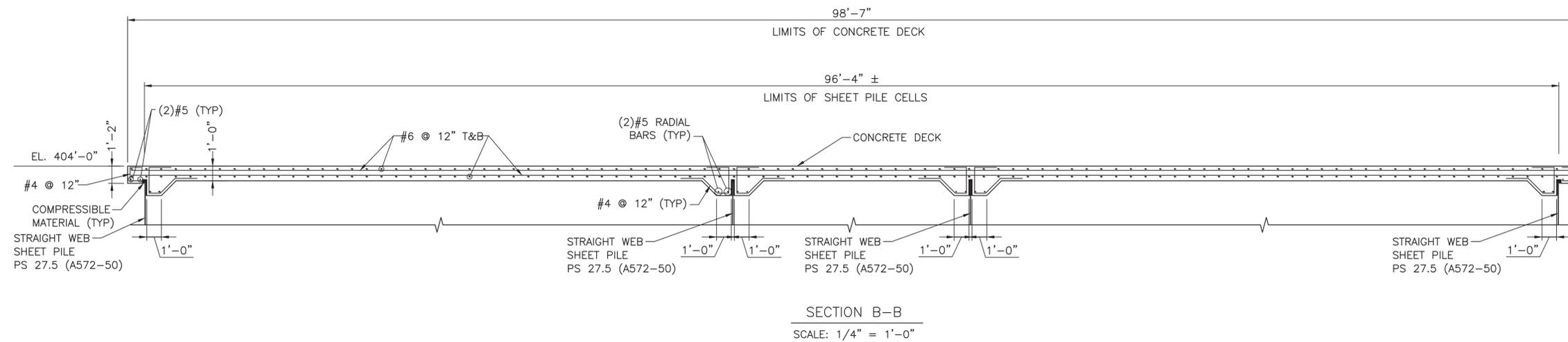
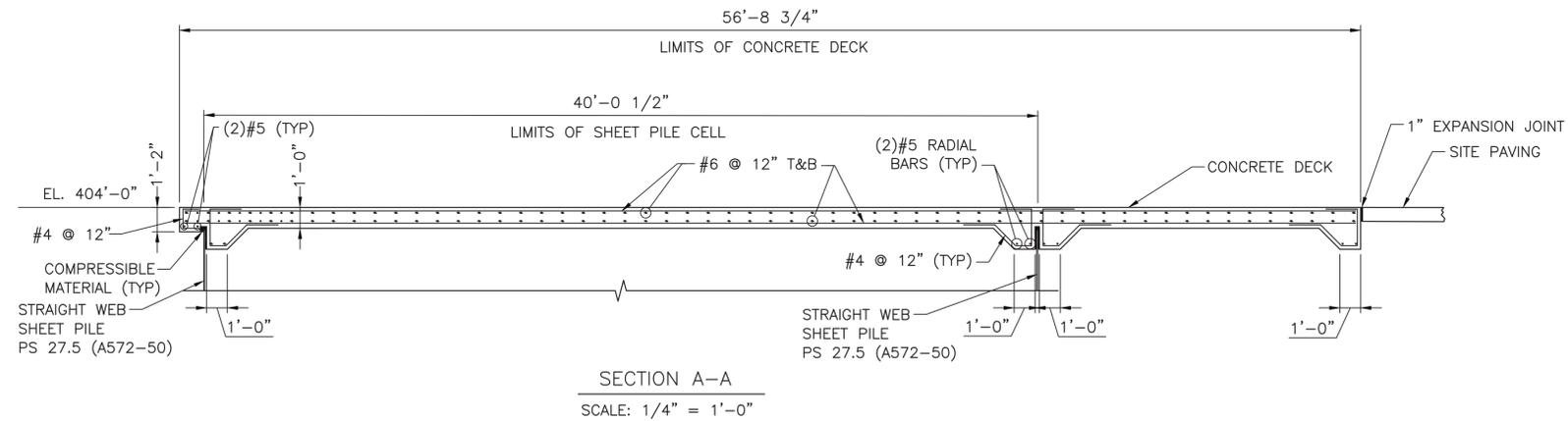


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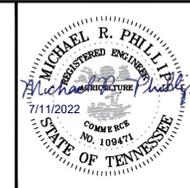
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**CUMBERLAND RIVER TERMINAL
PARKER TOWING COMPANY
ASHLAND CITY, TENNESSEE**

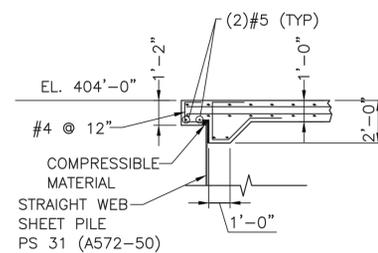


CONCRETE DECK DETAILS
(1 OF 2)

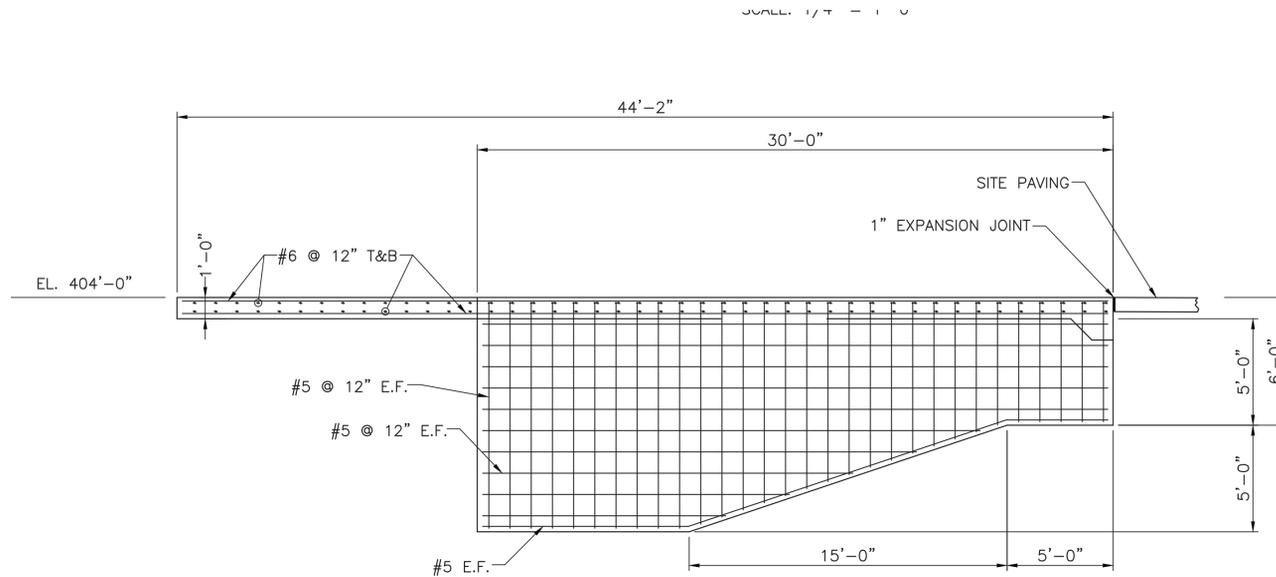
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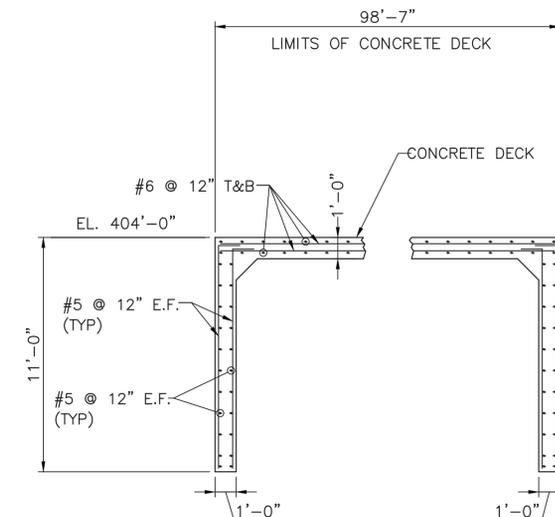
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SECTION C-C
SCALE: 1/4" = 1'-0"



SECTION D-D
SCALE: 1/4" = 1'-0"



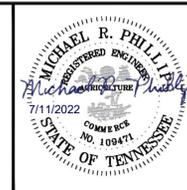
SECTION E-E
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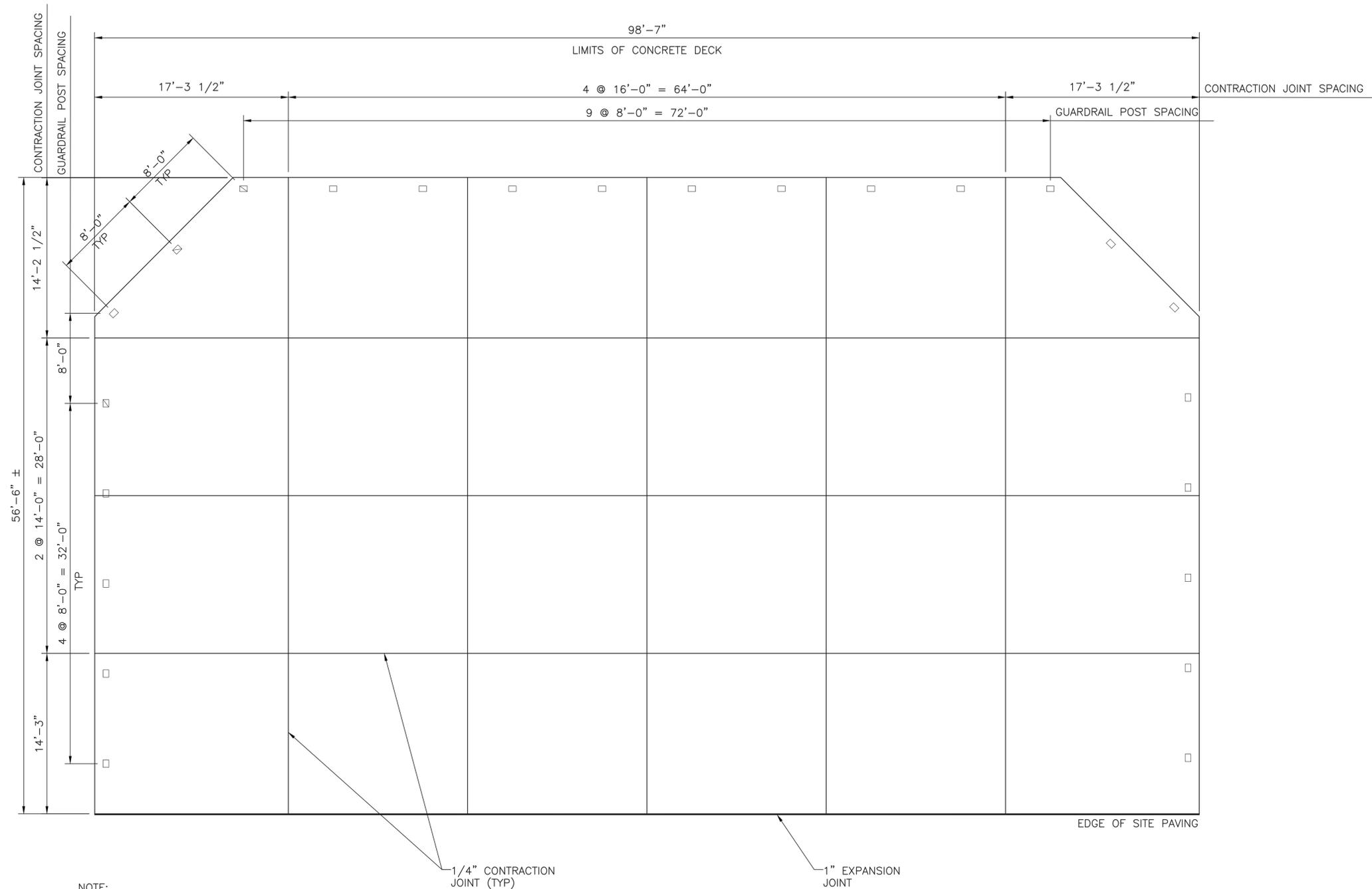


CONCRETE DECK DETAILS
(2 OF 2)

WORKING NUMBER:

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NOTE:
 GUARD RAIL POST SPACING CAN BE MODIFIED,
 AS REQUIRED, AND MUST NOT EXCEED 8'-0"
 SPACING.

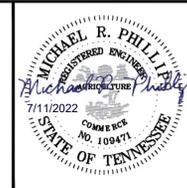
CONCRETE DECK PLAN

SCALE: 3/16" = 1'-0"

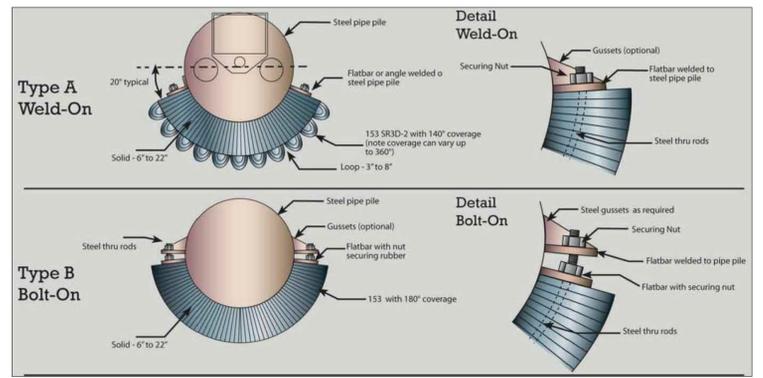
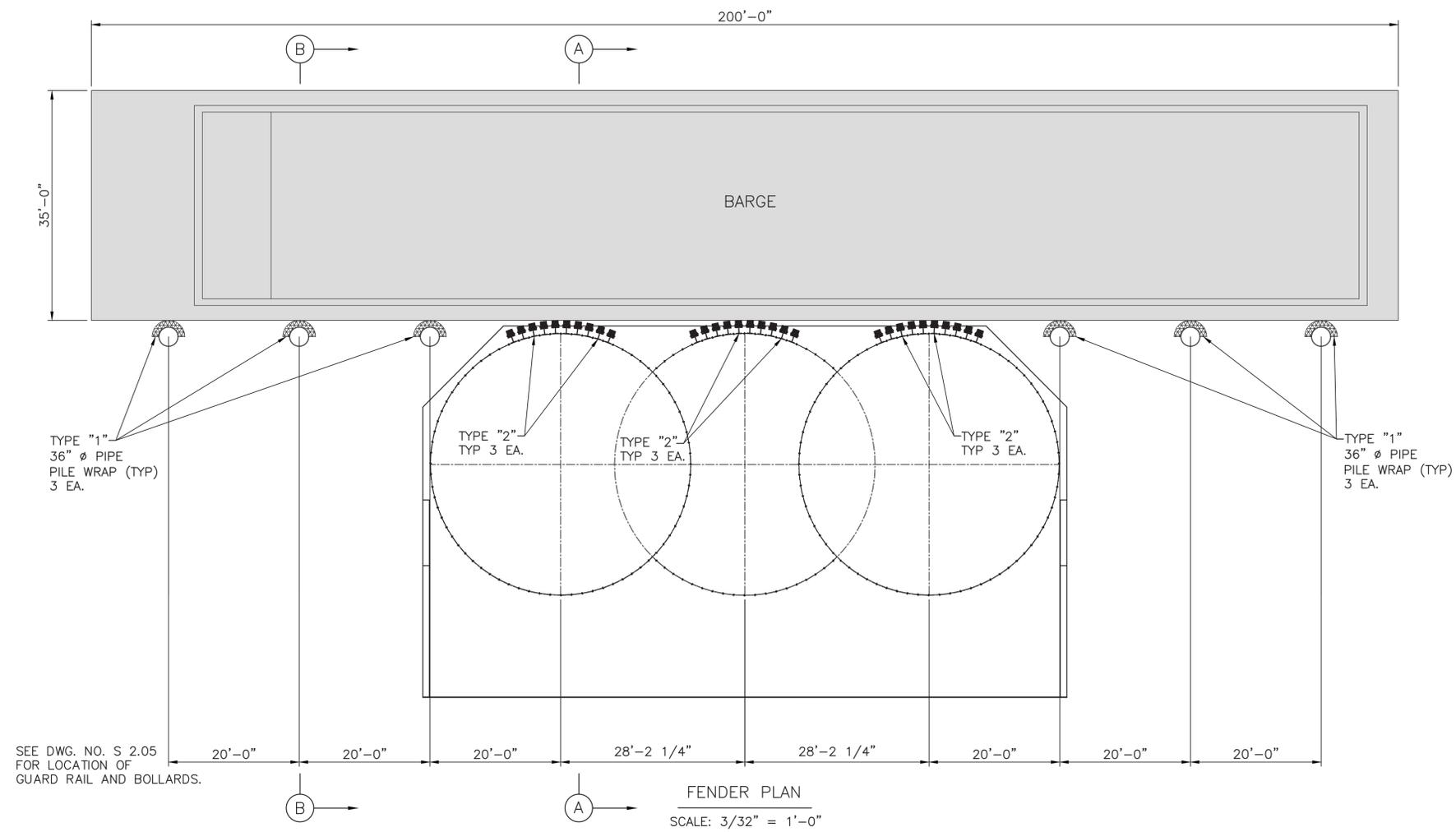
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**CUMBERLAND RIVER TERMINAL
 PARKER TOWING COMPANY
 ASHLAND CITY, TENNESSEE**

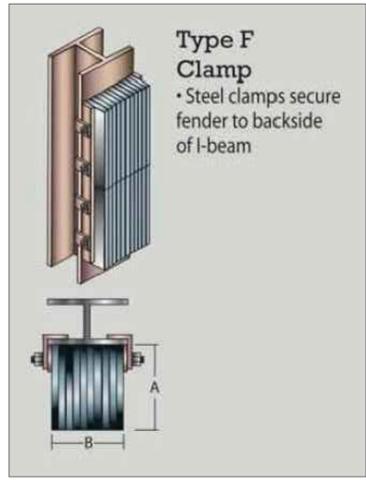


CONCRETE DECK PLAN	
WORKING NUMBER:	DRAWING NUMBER:
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TYPE "1"

- NOTES:
1. PILE FENDERS – MODEL 153 BY SCHUYLER COMPANIES
 2. FLATBAR AND GUSSETS SHALL BE WELDED TO PIPE PILE (REPAIR PIPE PILE PAINT/COATING, AS REQUIRED)



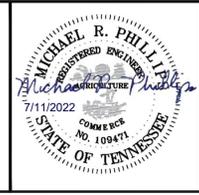
TYPE "2"

- NOTES:
1. STEEL BEAM FENDERS – MODEL 115 BY SCHUYLER COMPANIES
 2. BEAM FLANGE SHALL BE WELDED TO SHEET PILE WEB (REPAIR SHEET PILE PAINT/COATING, AS REQUIRED)

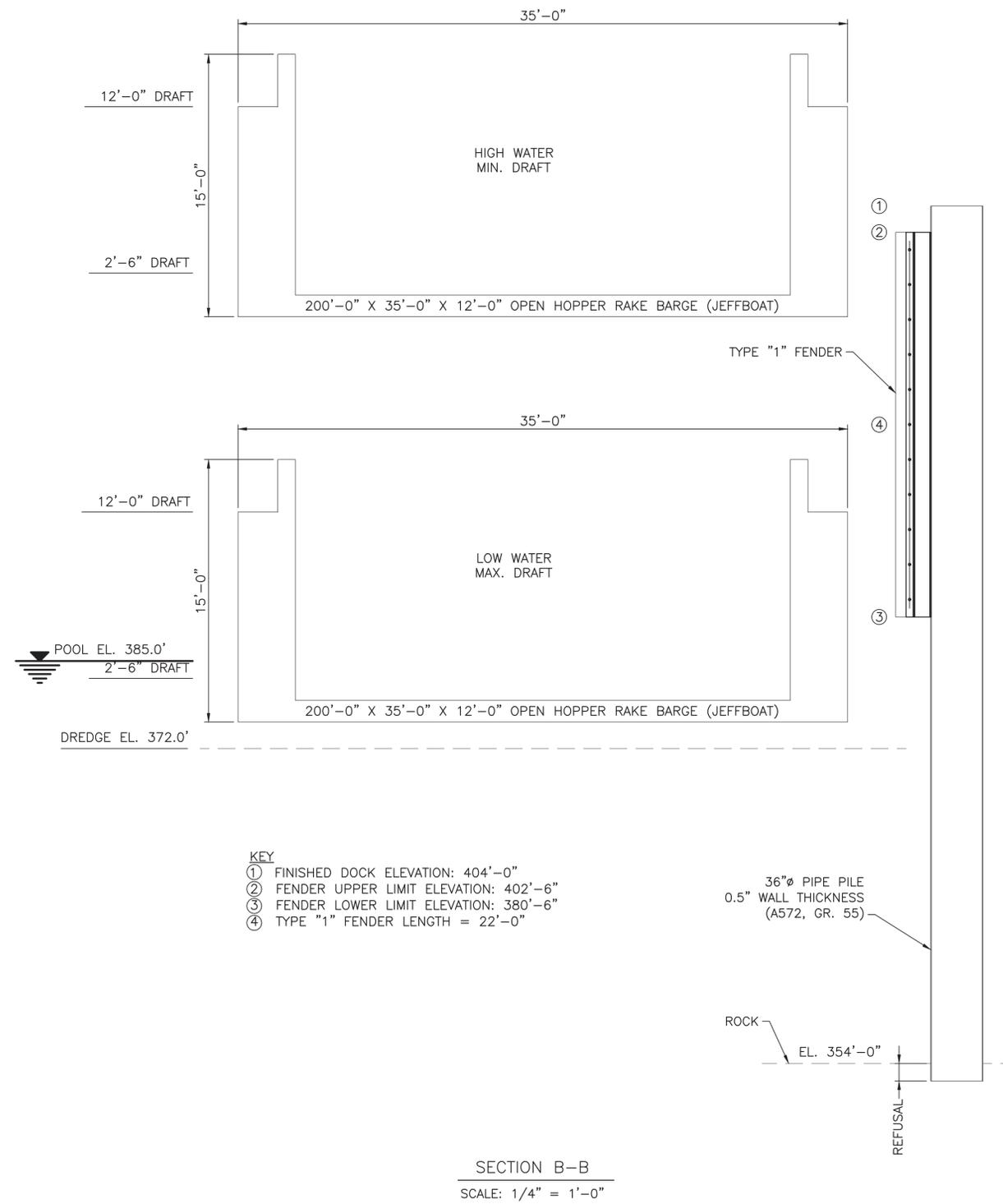
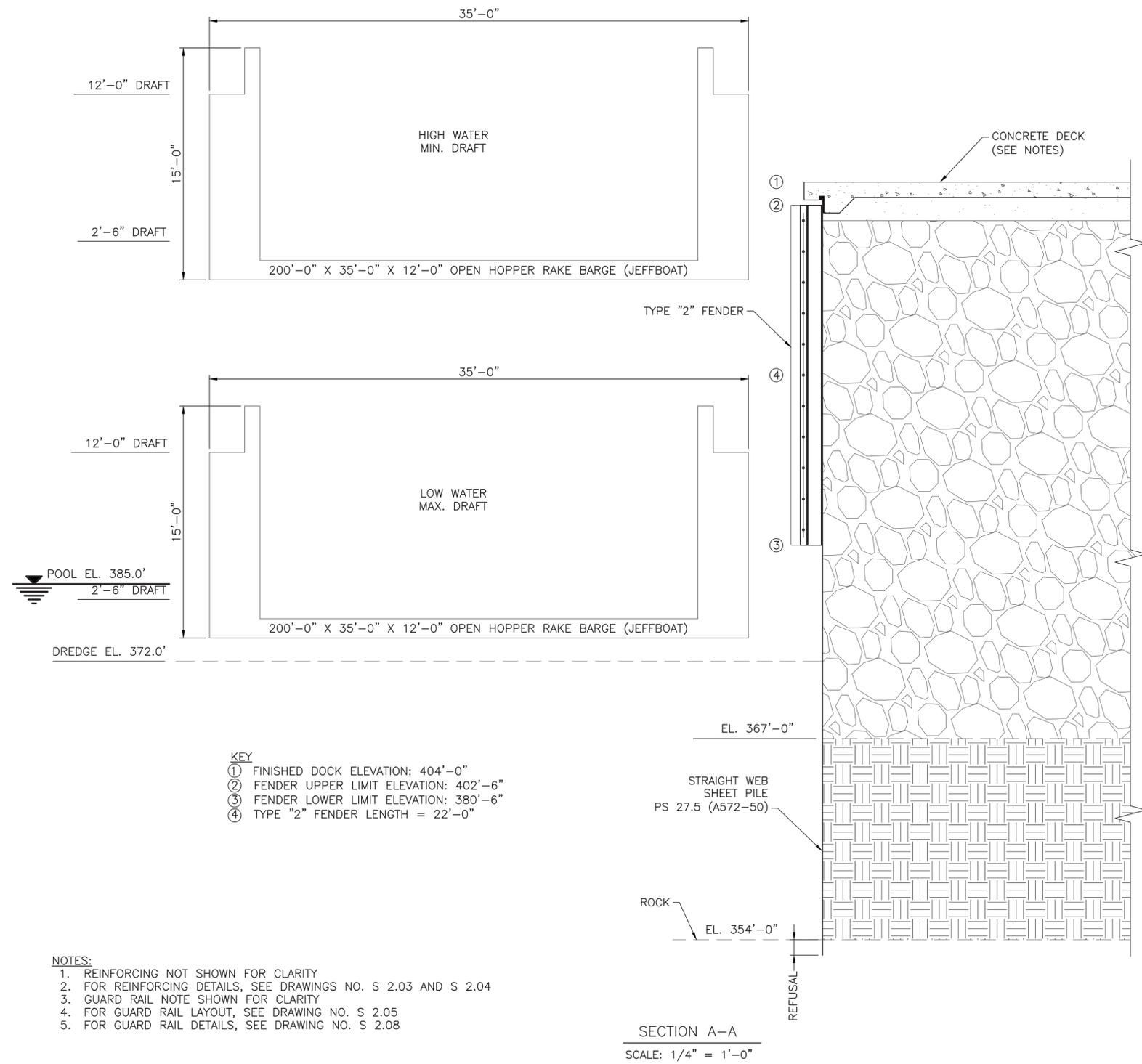
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**CUMBERLAND RIVER TERMINAL
 PARKER TOWING COMPANY
 ASHLAND CITY, TENNESSEE**



FENDER PLAN	
WORKING NUMBER:	DRAWING NUMBER:
	S 2.06



NOTICE TO DRAWING HOLDER

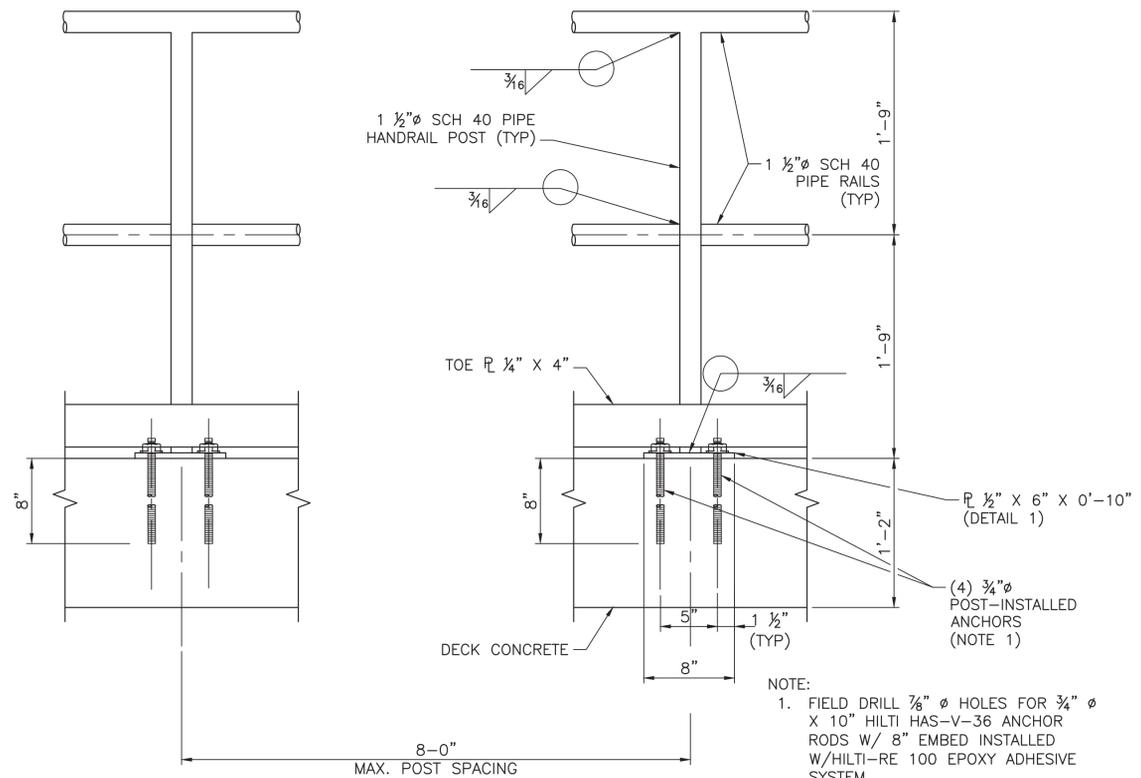
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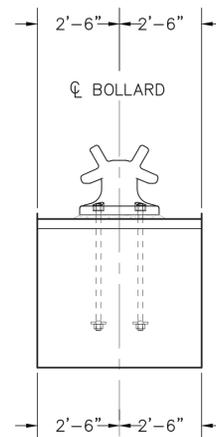
**CUMBERLAND RIVER TERMINAL
PARKER TOWING COMPANY
ASHLAND CITY, TENNESSEE**



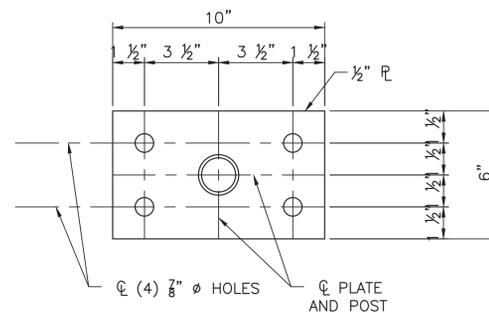
PROPOSED FENDER SYSTEM	
WORKING NUMBER:	DRAWING NUMBER:
	S 2.07



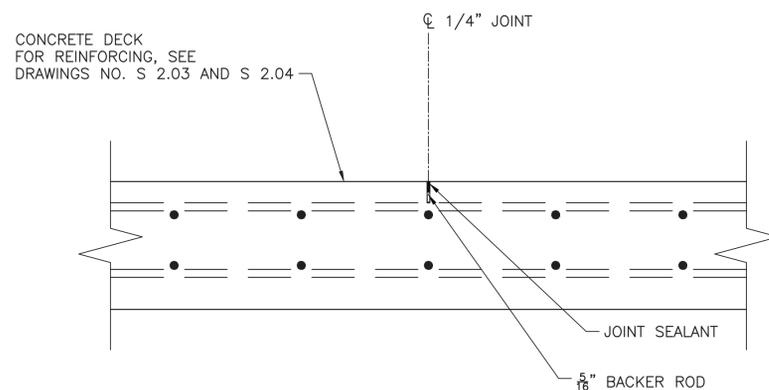
GUARD RAIL DETAIL
SCALE: 1 1/2" = 1'-0"



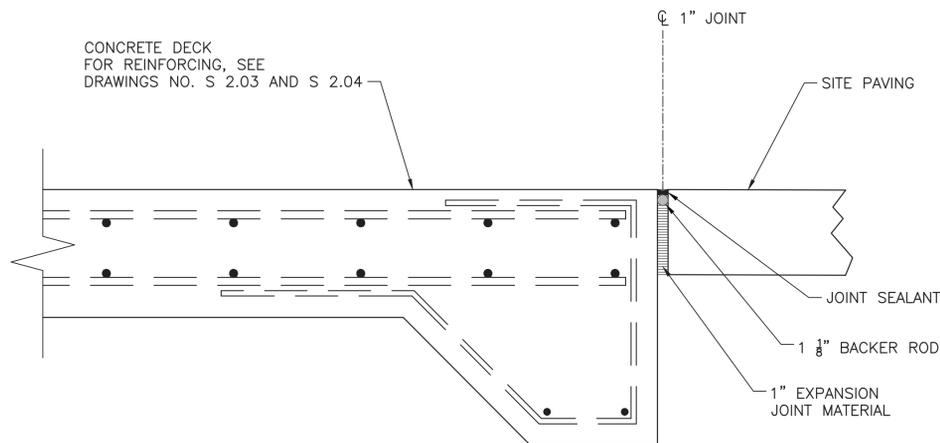
BOLLARD DETAIL
SCALE: NTS



DETAIL 1
SCALE: 3" = 1'-0"



CONTRACTION JOINT
SCALE: 1 1/2" = 1'-0"



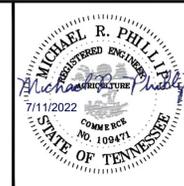
EXPANSION JOINT
SCALE: 1 1/2" = 1'-0"



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REVISIONS			DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	
				N-S PROJECT NO.: 16833.001
				FILENAME:
				SCALE:
				SURVEYED BY: ARC SURVEYING
				DSGN: DATE:
				DRWN: DATE:
				CHKD: DATE:
				QA/QC: DATE:

**CUMBERLAND RIVER TERMINAL
PARKER TOWING COMPANY
ASHLAND CITY, TENNESSEE**



DETAILS

WORKING NUMBER:

DRAWING NUMBER:

S 2.08