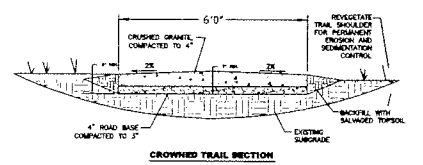
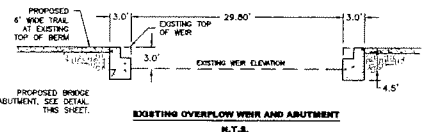
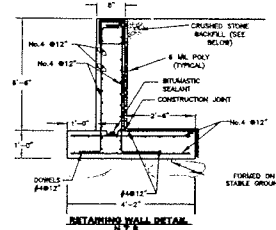
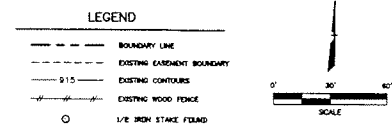
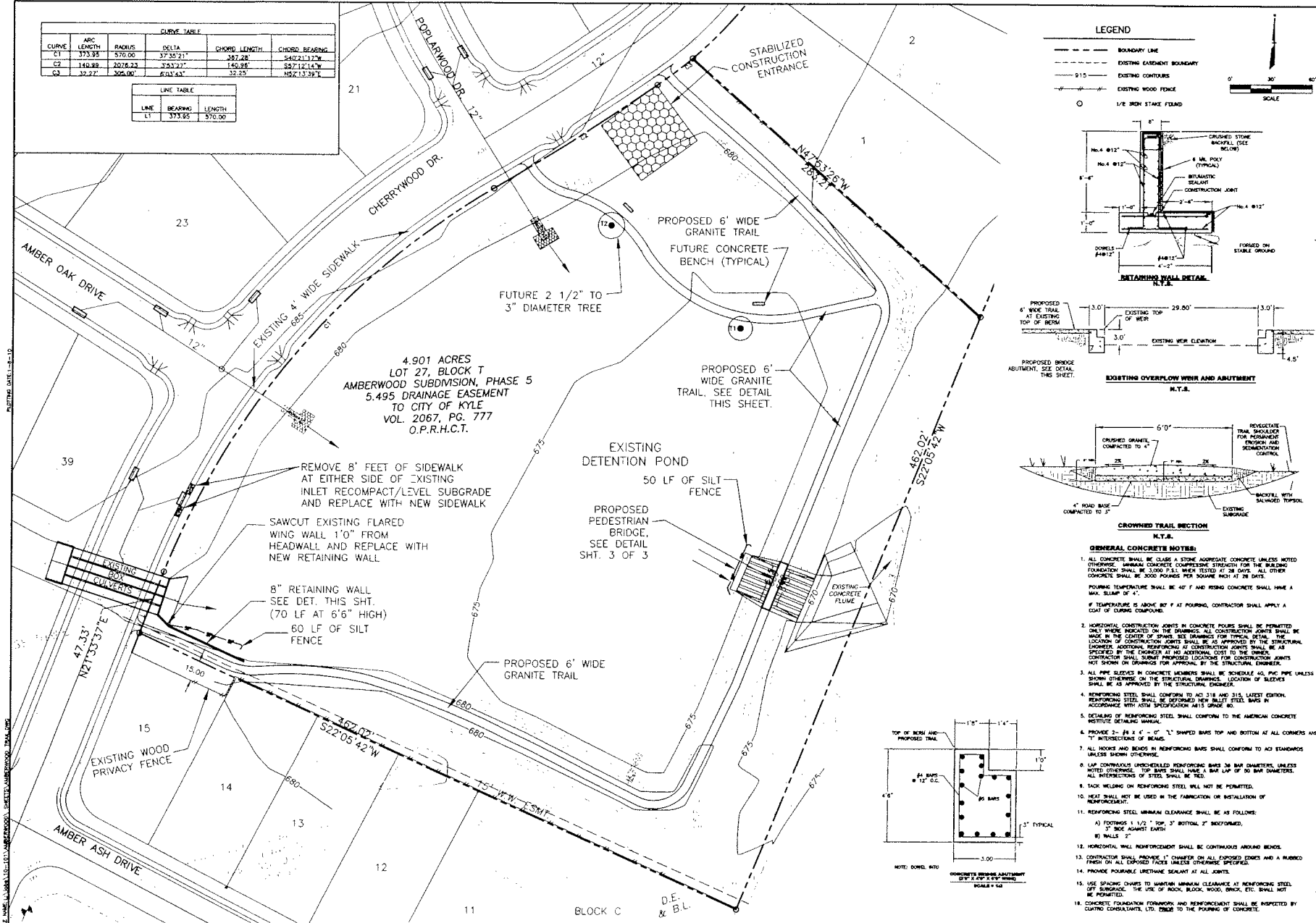


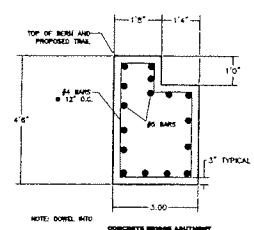
CURVE TABLE					
CURVE	ARC LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
C1	373.95	570.00	37.3921°	287.28	S44°21'17"W
C2	140.98	2078.23	3°53'22"	140.98	S87°12'14"W
C3	32.27	305.00	6°02'43"	32.25	N56°13'39"E

LINE TABLE		
LINE	BEARING	LENGTH
L1	373.95	570.00



GENERAL CONCRETE NOTES:

1. ALL CONCRETE SHALL BE CLASS A STONE AGGREGATE CONCRETE UNLESS NOTED OTHERWISE. MINIMUM CONCRETE COMPRESSIVE STRENGTH FOR THE FINISHING FOUNDATION SHALL BE 3000 P.S.I. WHEN TESTED AT 28 DAYS. ALL OTHER CONCRETE SHALL BE 3000 POUNDS PER SQUARE INCH AT 28 DAYS. POURING TEMPERATURE SHALL BE 40° F AND FRESH CONCRETE SHALL HAVE A MAX. SLUMP OF 4".
2. IF TEMPERATURE IS ABOVE 80° F AT POURING, CONTRACTOR SHALL APPLY A COAT OF CURING COMPOUND.
3. HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE SHALL BE PERMITTED ONLY WHERE INDICATED ON THE DRAWINGS. ALL CONSTRUCTION JOINTS SHALL BE MADE IN THE CENTER OF SPANS. SEE DRAWINGS FOR TYPICAL DETAILS. THE LOCATION OF CONSTRUCTION JOINTS SHALL BE AS APPROVED BY THE STRUCTURAL ENGINEER. VERTICAL REINFORCING AT CONSTRUCTION JOINTS SHALL BE AS SPECIFIED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS FOR CONSTRUCTION JOINTS NOT SHOWN ON DRAWINGS FOR APPROVAL BY THE STRUCTURAL ENGINEER.
4. ALL PIPE SLEEVES IN CONCRETE MEMBERS SHALL BE SCHEDULE 40, PVC PIPE UNLESS SHOWN OTHERWISE ON THE STRUCTURAL DRAWINGS. LOCATION OF SLEEVES SHALL BE AS APPROVED BY THE STRUCTURAL ENGINEER.
5. REINFORCING STEEL SHALL CONFORM TO ACI 318 AND 318.5, LATEST EDITION. REINFORCING STEEL SHALL BE PERFORMED NEW BILLET STEEL BARS IN ACCORDANCE WITH AISC REINFORCING STEEL SPECIFICATIONS.
6. DETAILS OF REINFORCING STEEL SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE DETAILING MANUAL.
7. PROVIDE 3-#8 x 4'-0" L SHAPED BARS TOP AND BOTTOM AT ALL CORNERS AND 1" INTERSECTIONS OF BEAMS.
8. ALL HOOPS AND BEADS IN REINFORCING BARS SHALL COMPLY TO AISC STANDARDS UNLESS SHOWN OTHERWISE.
9. UNLESS OTHERWISE SPECIFIED, REINFORCING BARS SHALL BE 60,000 PSI YIELD STRENGTH. ALL INTERSECTIONS OF REINFORCING STEEL SHALL NOT BE PERMITTED.
10. HEAT SHALL NOT BE USED IN THE FABRICATION OR INSTALLATION OF REINFORCEMENT.
11. REINFORCING STEEL MINIMUM CLEARANCE SHALL BE AS FOLLOWS:
 - A) FOOTINGS 1 1/2" TOP, 3" BOTTOM, 2" SIDEWAYS,
 - B) WALLS 2"
12. HORIZONTAL WALL REINFORCEMENT SHALL BE CONTINUOUS AROUND BEAMS.
13. CONTRACTOR SHALL CHECK FOR CHANGES ON ALL EXPOSED JOINTS AND A RUBBED FINISH ON ALL EXPOSED FACES UNLESS OTHERWISE SPECIFIED.
14. PROVIDE POURABLE URETHANE SEALANT AT ALL JOINTS.
15. USE SPACING CHAIRS TO MAINTAIN MINIMUM CLEARANCE AT REINFORCING STEEL OFF SURFACE. THE USE OF ROCK, BLOCK, WOOD, BRICK, ETC. SHALL NOT BE PERMITTED.
16. CONCRETE FOUNDATION FORMWORK AND REINFORCEMENT SHALL BE INSPECTED BY CUATRO CONSULTANTS, LTD. PRIOR TO THE POURING OF CONCRETE.



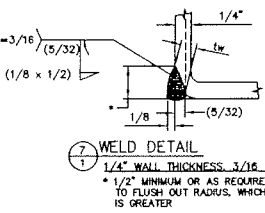
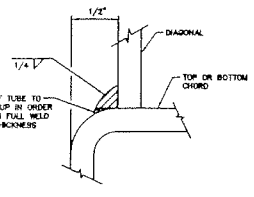
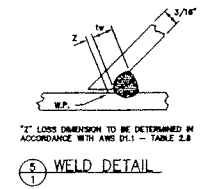
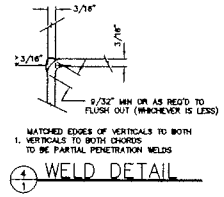
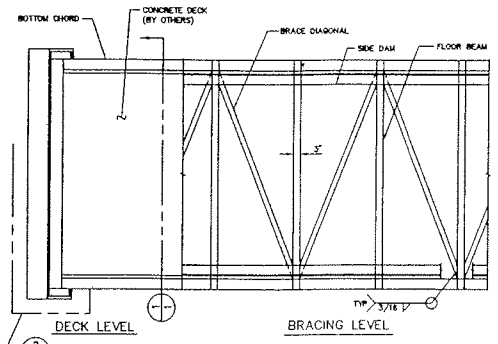
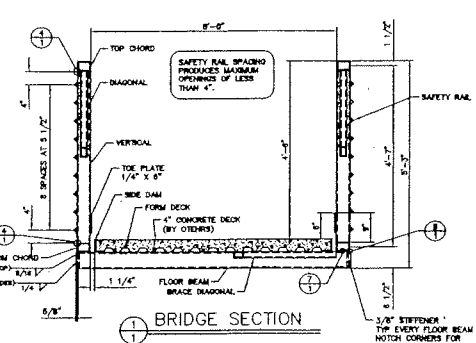
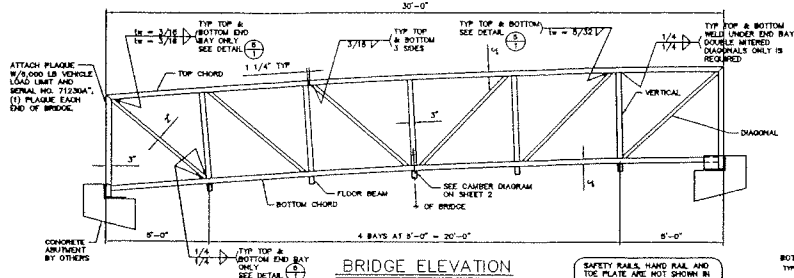
CUATRO
Consultants, Inc. P.C.
Registered in the State of Texas
Professional Seal: State of Texas, No. 10123, Civil Engineer

SITE PLAN

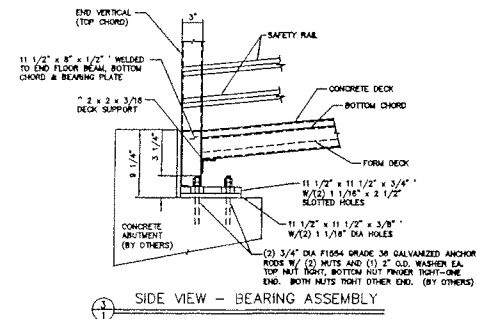
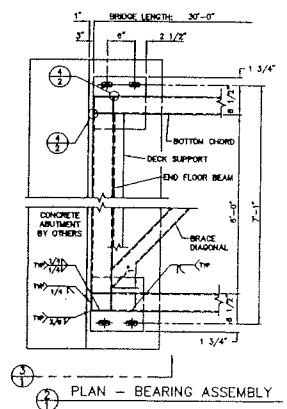
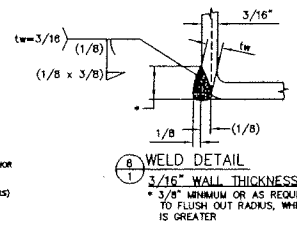
AMBERWOOD SUBDIVISION
KYLE, TEXAS

OWNER: **COMMUNITY OF AMBERWOOD H.O.A.**
C/O REAL MANAGE
10800 PECAN PARK BLVD., STE. 100
AUSTIN, TEXAS 78750
1-800-473-2573

DATE: JANUARY, 2010
PROJECT: 10-001 TRAIL
DRAWN BY: AMBERWOOD TRAIL
CHECKED: []
SCALE: N.E.P. N.E.S.
APPROVED: []
SHEET: 2 OF 3



NOTE: IF THE OUTSIDE RADIUS OF THE TUBE IS LESS THAN 1.5 TIMES THE WALL THICKNESS, CONTACT THE ENGINEER FOR APPROPRIATE WELD MODIFICATIONS.



GENERAL NOTES

- DESIGN STRESSES ARE IN ACCORDANCE WITH THE MANUAL OF STEEL CONSTRUCTION FOR ALLOWABLE STRESS DESIGN AS ADOPTED BY THE AMERICAN STEEL INSTITUTE OF STEEL CONSTRUCTION (AISC), LATEST EDITION.
- BRIDGE MEMBERS ARE FABRICATED FROM HIGH STRENGTH, LOW ALLOY, ENHANCED ATMOSPHERIC CORROSION RESISTANT ASTM A572 COLD-FORMED WELDED SQUARE AND RECTANGULAR TUBING AND ASTM A588, ASTM A589, OR ASTM A592 PLATE AND STRUCTURAL SHAPES (F_y=50,000 PSI).
- CONCRETE DECK: GALVANIZED FORM DECK SUPPLIED BY CONTINENTAL. CONCRETE REINFORCING AND EXPANSION MATERIAL SUPPLIED BY OTHERS. SEE CONCRETE DECK SHEET.
- THE GAS METAL ARC WELDING PROCESS OR FLUX CORED ARC WELDING PROCESS WILL BE USED.
- ALL TOP AND BOTTOM CHORD SNAP SPICES TO BE COMPLETE PENETRATION TYPED WELDS. WELD BETWEEN TOP CHORD AND END VERTICAL SHALL BE COMPLETE PENETRATION TYPED WELDS ON BOTH SIDES WITH A PARTIAL PENETRATION GROOVE WELD ON THE TOP SIDE AND A FILLET WELD ON THE BOTTOM SIDE.
- UNLESS OTHERWISE NOTED, WELDED CONNECTIONS SHALL BE FILLET WELDS (OR HANE) THE EFFECTIVE THROAT OF A FILLET WELD OF A SIZE EQUAL TO THE THICKNESS OF THE LIGHTEST GAGE MEMBER IN THE CONNECTION. WELDS SHALL BE APPLIED AS FOLLOWS:
 - BOTH ENDS OF VERTICALS, DIAGONALS, BRACE DIAGONALS AND FLOOR BEAMS SHALL BE WELDED ALL AROUND.
 - MISCELLANEOUS NON-STRUCTURAL MEMBERS SHALL BE BUTT WELDED TO THEIR SUPPORTING MEMBERS.
- BRIDGE DESIGN WAS ONLY BASED ON COMBINATIONS OF THE FOLLOWING LOADS WHICH WILL PRODUCE MAXIMUM CRITICAL MEMBER STRESSES:
 - 65 PSF UNIFORM LIVE LOADING ON THE FULL DECK AREA OR ONE 8,000 POUND VEHICLE LOAD. THE VEHICLE LOAD SHALL BE EQUALLY DISTRIBUTED AS A FOUR-WHEEL VEHICLE. THE WHEEL TRACK WIDTH OF THE VEHICLE SHALL BE 6'-0" AND THE WHEEL BASE SHALL BE 8'-4". THE VEHICLE SHALL BE POSITIONED SO AS TO PRODUCE THE MAXIMUM STRESS IN EACH MEMBER, INCLUDING DECKING.
 - 30 PSF WIND LOAD ON THE FULL HEIGHT OF THE BRIDGE, AS IF ENCLOSED.
 - 20 PSF UPWARD FORCE APPLIED AT THE MINOR QUARTER POINT OF THE TRANSVERSE BRIDGE WIDTH (AASHTO 3.10.3).
- CLEANING: ALL EXPOSED SURFACES OF STEEL SHALL BE CLEANED IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL SURFACE PREPARATION SPECIFICATIONS NO. 7 BRUSH OFF BLAST CLEANING. SSPC-SP7-LATEST EDITION.

CONTECH
BRIDGE SOLUTIONS INC.
ALEXANDRIA, MN 320-852-7500

QUALITY BRIDGE CERTIFICATION

CONTINENTAL BRIDGE

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REV. NO.	DATE	LEVEL	REVISION

30'-0" X 6'-0"
COMMUNITY OF AMBERWOOD H.O.A.
PEDESTRIAN BRIDGE
KYLE, TEXAS

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
CBT	BAJ	CBT	CBT

NO.	DATE	DESCRIPTION

ACUATRO CONSULTANTS
REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF ARKANSAS

1. I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ARKANSAS.

DETAILS

AMBERWOOD SUBDIVISION
KYLE, TEXAS

OWNER:
COMMUNITY OF AMBERWOOD H.O.A.
C/O REAL MANAGE
10800 PECAN PARK BLVD., STE. 100
AUSTIN, TEXAS 78750
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DATE:	JANUARY, 2010
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DRAWN:	FILE
APPROVE:	FILE
SHEET:	3 OF 3