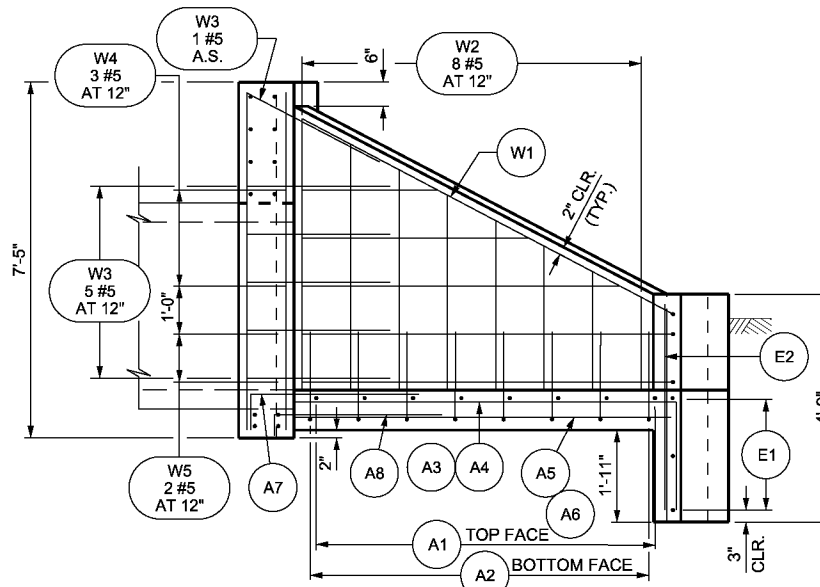
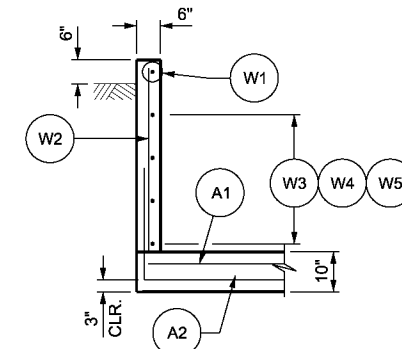


H-2676 PLAN



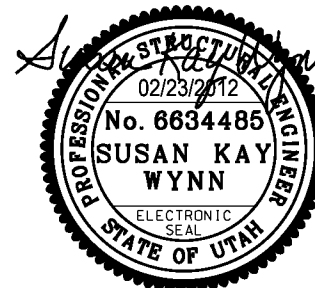
SECTION C-C



SECTION D-D

STRUCTURAL CONCRETE QUANTITIES	
LOCATION	CU. YDS.
TOTAL	5.06

HEADWALL	STATION	OFFSET	SKREW	PIPE INVERT/APRON ELEV.
H-2676 A	209+42.34	37.30 RT	50°10'11"	4513.10
H-2676 B	210+06.25	39.33 LT	50°10'11"	4515.00



INDEX OF SHEETS

1. HEADWALL DETAILS
2. REINFORCING STEEL SCHEDULE

GENERAL NOTES

1. USE COATED DEFORMED-CARBON REINFORCING STEEL BARS CONFORMING TO AASHTO M 284 OR M 111 AND M 31 GRADE 60 RESPECTIVELY.
2. CHAMFER ALL EXPOSED CONCRETE CORNERS 3/4" EXCEPT WHERE NOTED OTHERWISE.
3. PROVIDE 2" CONCRETE COVER TO REINFORCING STEEL EXCEPT WHERE NOTED OTHERWISE.
4. USE CLASS AA(AE) CAST-IN-PLACE CONCRETE EXCEPT WHERE SPECIFIED OTHERWISE.
5. FORM HEADWALL NUMBER IN 6" BLOCK LETTERS AT THE TOP CENTER AND FRONT FACE OF HEADWALL. SEE "REINFORCING STEEL SCHEDULE" SHEET FOR DETAILS.
6. REINFORCING STEEL SCHEDULE, AND REINFORCING STEEL AND CONCRETE QUANTITIES ARE FOR INFORMATION ONLY AND ARE FOR ONE HEADWALL. EACH HEADWALL IS PAID FOR AS EACH.
7. GRADE FILL FROM 2'-0" COVER ALONG WINGWALLS AT A MAXIMUM SLOPE OF 2H : 1V.

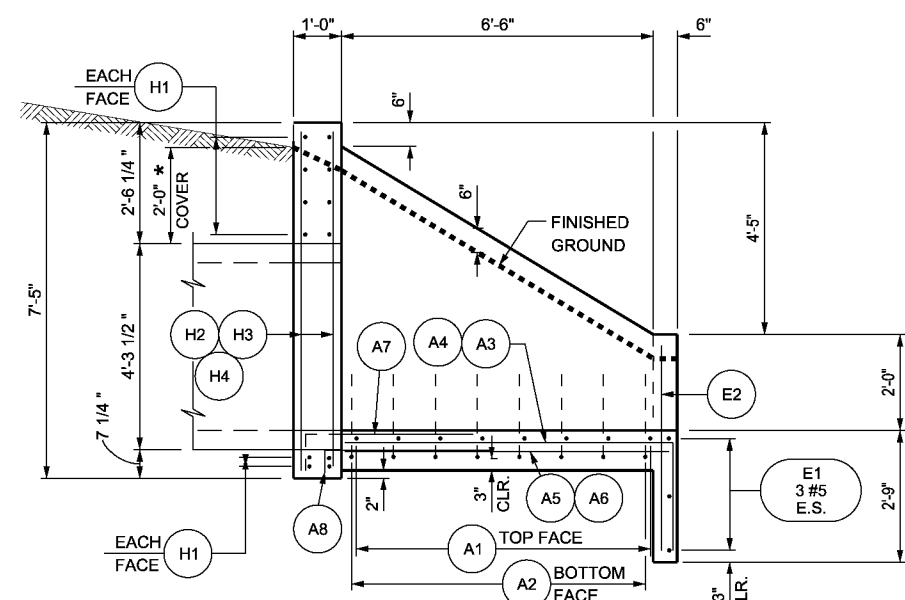
DESIGN DATA

CURRENT AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND INTERIM SPECIFICATIONS.

CAST-IN-PLACE CONCRETE: $f'_c = 4,000$ PSI; f_y (REINF.) = 60,000 PSI; CLASS AA (AE) $n = 8$.

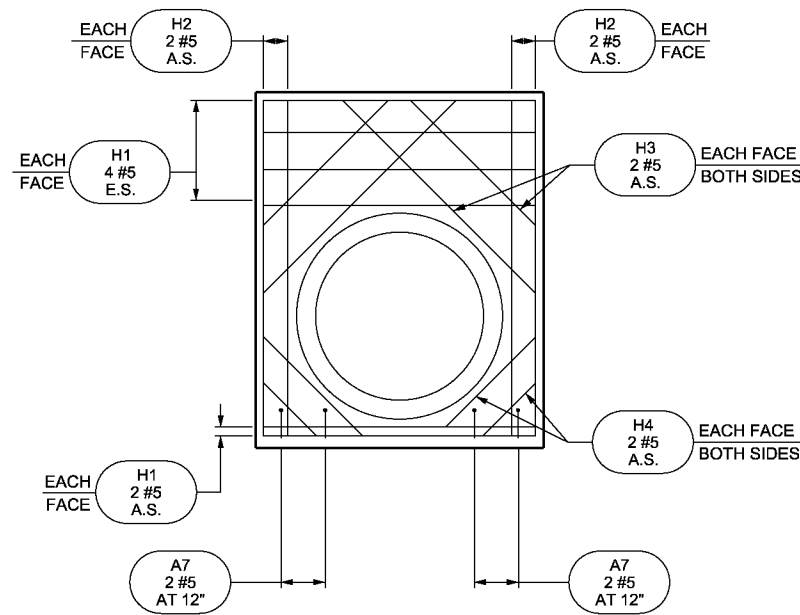
QUANTITIES

ITEM	ESTIM.	UNIT	AS CONST.
42 INCH REINFORCED CONCRETE HEADWALL	2	EACH	



SECTION A-A

* SEE NOTE 7



SECTION B-B

UTAH DEPARTMENT OF TRANSPORTATION
JACOBS - SLC, UT

US-89 @ I-84, MP 406.1
HEADWALL FOR 42 INCH DIAMETER PIPE
HEADWALL DETAILS
PROJECT NUMBER F-0089(244)406
PIN 8741

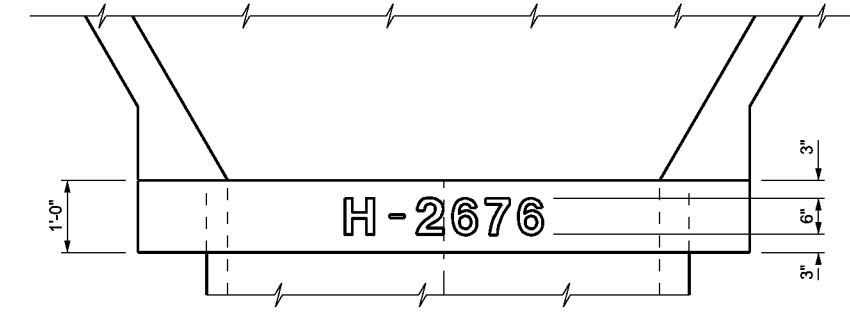
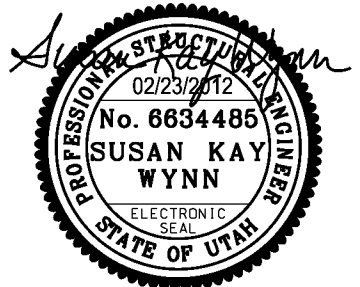
WEBER COUNTY
H-2676
DRG. NO.

21-MAR-2012 10:11:11 AM C:\Users\jwagner\Documents\2012\03\04\42in_headwall\1-01.dwg

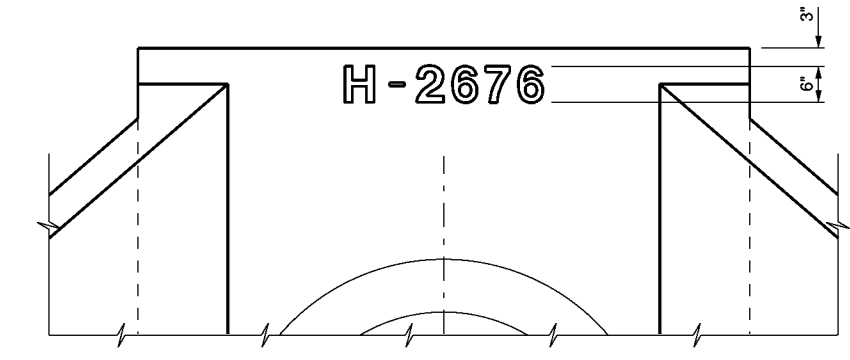
21-MAR-2012 10:41:10 AM D:\Users\jw\Documents\731313\8741_42_m_hws\8741_42.dwg

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH
A1	APRON	5	8	VARIES	63'-4"	
A2	APRON	5	8	VARIES	92'-8"	
A3	APRON	5	6	VARIES	29'-0"	
A4	APRON	5	6	8'-11"	53'-6"	
A5	APRON	5	6	VARIES	15'-3"	
A6	APRON	5	6	6'-8"	40'-0"	
A7	APRON	5	4	4'-1"	16'-4"	
A8	APRON	5	6	3'-9"	22'-6"	
W1	WINGWALL	5	2	10'-6"	21'-0"	
W2	WINGWALL	5	16	VARIES	61'-3"	

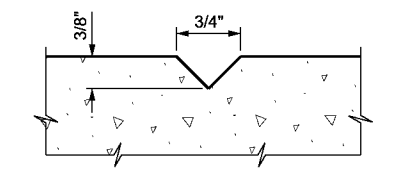
MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH
W3	WINGWALL	5	12	2'-10"	34'-0"	
W4	WINGWALL	5	6	VARIES	29'-0"	
W5	WINGWALL	5	4	9'-7"	38'-4"	
E1	CUT OFF WALL	5	3	15'-8"	47'-0"	
E2	CUT OFF WALL	5	6	4'-4"	26'-0"	
H1	HEADWALL	5	12	5'-8"	68'-0"	
H2	HEADWALL	5	8	7'-0"	56'-0"	
H3	HEADWALL	5	8	VARIES	37'-4"	
H4	HEADWALL	5	8	VARIES	17'-0"	



STRUCTURE NUMBER DETAILS
PLAN



STRUCTURE NUMBER DETAILS
ELEVATION
(LOOKING AT FRONT FACE)



SECTION THROUGH STRUCTURE NUMBER

SUMMARY OF COATED BARS			
739'-0 OF NUMBER	5 BARS AT	1.043 LBS/FT =	770.8 LBS
			TOTAL 770.8 LBS

NOTES:
 ALL BARS ARE COATED
 BAR SIZES ARE U.S. UNITS.
 REINFORCING STEEL DIMENSIONS ARE OUT TO OUT OF BAR UNLESS OTHERWISE SPECIFIED.
 SPLICES MAY BE OMITTED AT FABRICATORS OPTION...HOWEVER, IN SUCH CASE, FABRICATOR ASSUMES RESPONSIBILITY FOR FIT.

UTAH DEPARTMENT OF TRANSPORTATION		JACOBS - SLC, UT	
US-89 @ I-84, MP 406.1	HEADWALL FOR 42 INCH DIAMETER PIPE	PIN	8741
REINFORCING STEEL SCHEDULE		F-0089(244)406	
WEBER COUNTY		PROJECT NUMBER	
H-2676		DRG. NO.	
SHT. 2		OF 2	

UTAH

DEPARTMENT OF TRANSPORTATION

U.S. Standard Units
(Inch-Pound Units)

RIGHT-OF-WAY PLANS OF PROPOSED STATE ROAD

FEDERAL AID PROJECT

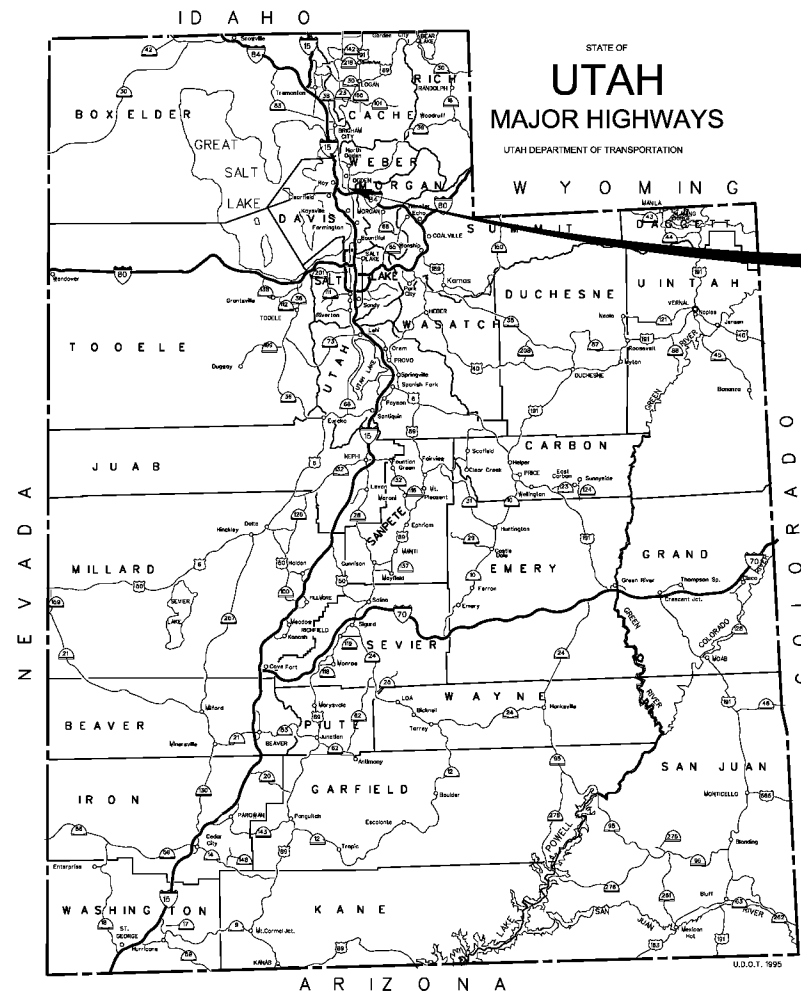
F-0089(244)406 PIN: 8741

US-89 @ I-84, MP 406.1

INTERSECTION AND SIGNAL IMPROVEMENTS

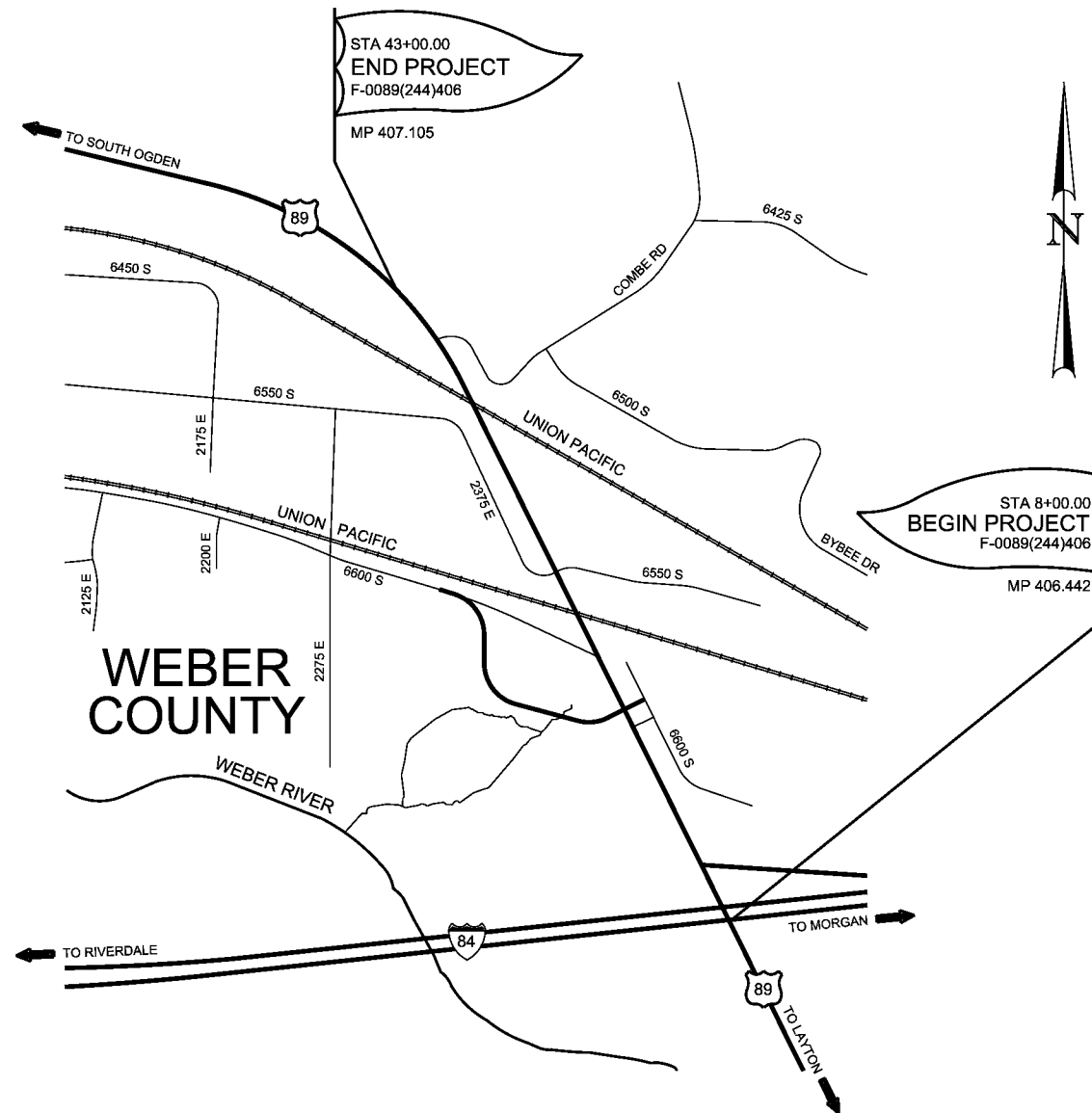
WEBER COUNTY

LENGTH 0.663 MILES



F-0089(244)406

RIGHT OF WAY DRAWINGS	
SHEET NO.	DESCRIPTION
RW-1	TITLE AND INDEX
RW-2	RIGHT OF WAY



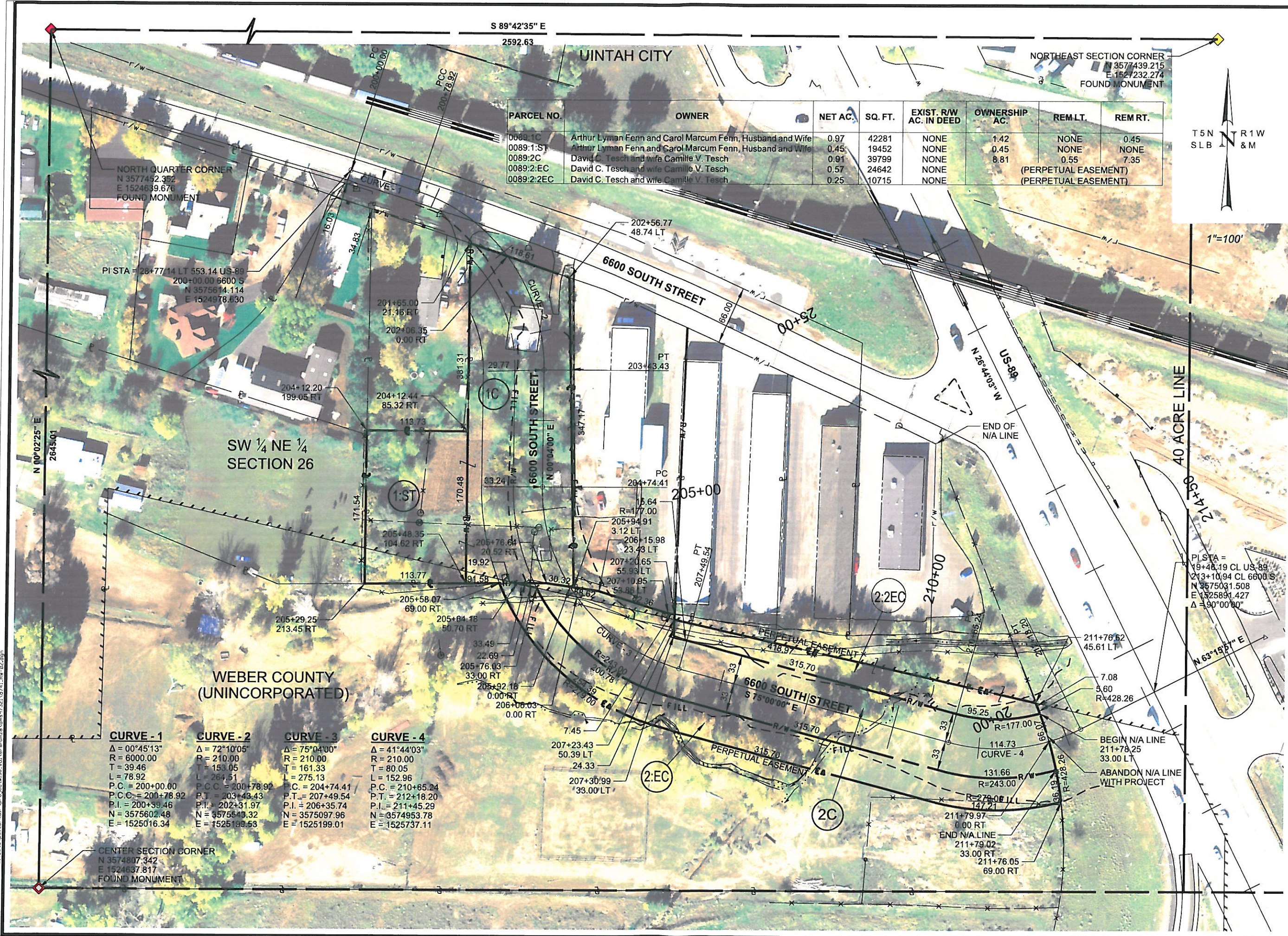
THIS SEAL APPLIES TO ALL SHEETS
CONTAINING THIS SIGNATURE

VERIFIED FOR SUBMISSION FOR ADVERTISEMENT

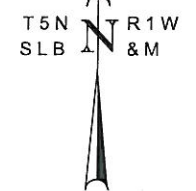
DESIGN ENGINEER

UTAH DEPARTMENT OF TRANSPORTATION
APPROVED FOR USE BY UDOT

REGION ONE PRECONSTRUCTION ENGINEER



PARCEL NO.	OWNER	NET AC.	SQ. FT.	EXIST. R/W AC. IN DEED	OWNERSHIP AC.	REM LT.	REM RT.
0089:1C	Arthur Lyman Fenn and Carol Marcum Fenn, Husband and Wife	0.97	42281	NONE	1.42	NONE	0.45
0089:1:ST	Arthur Lyman Fenn and Carol Marcum Fenn, Husband and Wife	0.45	19452	NONE	0.45	NONE	NONE
0089:2C	David C. Tesch and wife Camille V. Tesch	0.91	39799	NONE	8.81	0.55	7.35
0089:2:EC	David C. Tesch and wife Camille V. Tesch	0.57	24642	NONE		(PERPETUAL EASEMENT)	
0089:2:2EC	David C. Tesch and wife Camille V. Tesch	0.25	10715	NONE		(PERPETUAL EASEMENT)	



CURVE - 1	CURVE - 2	CURVE - 3	CURVE - 4
$\Delta = 00^{\circ}45'13''$	$\Delta = 72^{\circ}10'05''$	$\Delta = 75^{\circ}04'00''$	$\Delta = 41^{\circ}44'03''$
$R = 6000.00$	$R = 210.00$	$R = 210.00$	$R = 210.00$
$T = 39.46$	$T = 161.05$	$T = 161.33$	$T = 80.05$
$L = 78.92$	$L = 264.51$	$L = 275.13$	$L = 152.96$
$P.C. = 200+00.00$	$P.C. = 200+78.92$	$P.C. = 204+74.41$	$P.C. = 210+65.24$
$P.C.C. = 200+78.92$	$P.T. = 203+43.43$	$P.T. = 207+49.54$	$P.T. = 212+18.20$
$P.I. = 200+39.46$	$P.I. = 202+31.97$	$P.I. = 206+35.74$	$P.I. = 211+45.29$
$N = 3575602.48$	$N = 3575543.32$	$N = 3575097.96$	$N = 3574953.78$
$E = 1525016.34$	$E = 1525199.53$	$E = 1525199.01$	$E = 1525737.11$

UTAH DEPARTMENT OF TRANSPORTATION

PROJECT: US-89 @ I-84, MP 406.1

PROJECT NUMBER: F-0089(244)406

PIN: 8741

RIGHT OF WAY

APPROVED: _____

DATE: _____

MM/DD/YY

DATE: _____

PROFESSIONAL ENGINEER: _____

APPROVED BY: _____

DATE: _____

NO. DATE APPROVED BY

REVISIONS

REMARKS

DRAWN BY: FWH

OC CHECKED BY: _____

DLC

SHEET NO. RW-2

UINTAH CITY

S 89°42'35" E
2592.63

NORTHEAST SECTION CORNER
N 3577439.215
E 1527232.274
FOUND MONUMENT

PARCEL NO.	OWNER	NET AC.	SQ. FT.	EXIST. R/W AC. IN DEED	OWNERSHIP AC.	REM LT.	REM RT.
0089:1C	Arthur Lyman Fenn and Carol Marcum Fenn, Husband and Wife	0.97	42281	NONE	1.42	NONE	0.45
0089:1:ST	Arthur Lyman Fenn and Carol Marcum Fenn, Husband and Wife	0.45	19452	NONE	0.45	NONE	NONE
0089:2C	David C. Tesch and wife Camille V. Tesch	0.91	39799	NONE	8.81	0.55	7.35
0089:2:EC	David C. Tesch and wife Camille V. Tesch	0.57	24642	NONE			
0089:2:2EC	David C. Tesch and wife Camille V. Tesch	0.25	10715	NONE			

T 5 N
S L B
R 1 W
& M

1"=100'

NORTH QUARTER CORNER
N 3577452.352
E 1524639.676
FOUND MONUMENT

PI STA = 28+77.14 LT 553.14 US-89
200+00.00 6600 S
N 3575614.114
E 1524978.630

SW 1/4 NE 1/4
SECTION 26

WEBER COUNTY
(UNINCORPORATED)

CURVE - 1	CURVE - 2	CURVE - 3	CURVE - 4
Δ = 00°45'13"	Δ = 72°10'05"	Δ = 75°04'00"	Δ = 41°44'03"
R = 6000.00	R = 210.00	R = 210.00	R = 210.00
T = 39.46	T = 153.05	T = 161.33	T = 80.05
L = 78.92	L = 264.51	L = 275.13	L = 152.96
P.C. = 200+00.00	P.C.C. = 200+78.92	P.C. = 204+74.41	P.C. = 210+65.24
P.C.C. = 200+78.92	P.T. = 203+43.43	P.T. = 207+49.54	P.T. = 212+18.20
P.I. = 200+39.46	P.I. = 202+31.97	P.I. = 206+35.74	P.I. = 211+45.29
N = 3575602.48	N = 3575543.32	N = 3575097.96	N = 3574953.78
E = 1525016.34	E = 1525199.53	E = 1525199.01	E = 1525737.11

CENTER SECTION CORNER
N 3574807.342
E 1524637.817
FOUND MONUMENT

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DRAWN BY	FWH	PROFESSIONAL ENGINEER
QC	CHECKED BY	DATE
MM/DD/Y		
APPROVED		

US-89 @ I-84, MP 406.1

PROJECT NUMBER	8741
RIGHT OF WAY	

SHEET NO. RW-2