REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	A2	2

Drawing Index

Subset No.	Title Sheet, Typical Sections
A1	Title Sheet
A2	Drawing Index
A5-A6	Survey Control
A11-A13	Control Points

Summaries and Tabs

B1-B2	Summary of Quantities
B3-B7	Tabulation of Quantities
B8	Grading Summary
B9	Mass Haul Diagram

Mainline Plan and Profile Sheets

C1	Mainline Site Plan
C7-C17	Mainline Plan and Profile Sheets

Minor Road, Parking, Pullout Plan and Profile Sheets

D4-D6	Minor Road Plan and Profile Sheets
D22	Cold Springs Road Trailhead Parking Site Plan
D24	Overlook Parking Plan
D25	Parking Area Sections

Erosion Control Plan

E3-E8	Erosion Control Plan Sheets

Subset No.	Division 600 Layouts, Standards/Details and Specials
T31-T36	Signing Plan
T51	Fishlake National Forest Special Sign Detail
T52-T54	Sign Details
T60	Temporary Traffic Control Advanced Signing Plan

Preliminary
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2/6/09

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

DRAWING INDEX

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REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	A5	5

WHEELS_UT_UT39-1(2)_SURVEY_CONTROL_UT39(2) W MAR 01, 2004 CONTROL SHEETS.DGN
PROJECT UNITS : METERS; DMS
COORDINATE SYSTEM : LAMBERT NAD83; UT CENTRAL 4302
VERTICAL DATUM: NAVD88

ALL COORDINATES ARE IN METERS.

NOTE : THE 2000 SERIES POINT ELEVATIONS WERE DETERMINED FROM GPS OBSERVATIONS AND WERE NOT VERIFIED WITH DIFFERENTAL LEVEL OBSERVATIONS.

POINT NUMBER	STATE PLANE COORDINATES NORTH	EAST	ELEVATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	CONVERGENCE ANGLE	------- FACTORS ------- SCALE X	ELEVATION =	COMBINED	DESCRIPTION
2000	2040163.195	484201.564	2942.470	38◇41' 41.784185"N	111◇40' 53.688225"W	2925.459	-0◇06' 58.74"	1.00009491	0.99954120	0.99963607	6CM FHWA ALUMINUM CAP
2001	2040042.618	484275.806	2939.679	38◇41' 37.879175"N	111◇40' 50.606259"W	2922.673	-0◇06' 56.76"	1.00009528	0.99954164	0.99963688	6CM FHWA ALUMINUM CAP
2002	2039961.806	484612.931	2925.051	38◇41' 35.280580"N	111◇40' 36.650757"W	2908.056	-0◇06' 47.82"	1.00009553	0.99954393	0.99963941	6CM FHWA ALUMINUM CAP
2003	2039876.097	484744.591	2921.512	38◇41' 32.509746"N	111◇40' 31.196295"W	2904.522	-0◇06' 44.33"	1.00009579	0.99954448	0.99964023	6CM FHWA ALUMINUM CAP
2004	2039706.806	485019.974	2911.519	38◇41' 27.037586"N	111◇40' 19.788802"W	2894.539	-0◇06' 37.02"	1.00009632	0.99954605	0.99964232	6CM FHWA ALUMINUM CAP
2005	2039407.594	485118.376	2900.298	38◇41' 17.341327"N	111◇40' 15.693822"W	2883.327	-0◇06' 34.40"	1.00009724	0.99954781	0.99964501	6CM FHWA ALUMINUM CAP
2006	2039061.658	485246.771	2888.440	38◇41' 06.131786"N	111◇40' 10.354650"W	2871.479	-0◇06' 30.98"	1.00009832	0.99954966	0.99964794	6CM FHWA ALUMINUM CAP
2007	2038322.515	485093.354	2883.628	38◇40' 42.154563"N	111◇40' 16.643077"W	2866.677	-0◇06' 35.01"	1.00010063	0.99955042	0.99965100	6CM FHWA ALUMINUM CAP
2008	2038061.267	485101.886	2877.299	38◇40' 33.683768"N	111◇40' 16.269451"W	2860.352	-0◇06' 34.77"	1.00010145	0.99955141	0.99965281	6CM FHWA ALUMINUM CAP
2009	2037427.188	485318.623	2862.793	38◇40' 13.136253"N	111◇40' 07.254550"W	2845.857	-0◇06' 28.99"	1.00010345	0.99955368	0.99965708	6CM FHWA ALUMINUM CAP
2010	2037190.712	485373.887	2853.094	38◇40' 05.471579"N	111◇40' 04.950337"W	2836.162	-0◇06' 27.52"	1.00010419	0.99955520	0.99965935	6CM FHWA ALUMINUM CAP
2011	2036900.652	485535.739	2842.568	38◇39' 56.075807"N	111◇39' 58.233706"W	2825.639	-0◇06' 23.22"	1.00010511	0.99955685	0.99966191	6CM FHWA ALUMINUM CAP
2012	2036137.805	485776.591	2826.740	38◇39' 31.353899"N	111◇39' 48.214589"W	2809.816	-0◇06' 16.80"	1.00010754	0.99955933	0.99966682	6CM FHWA ALUMINUM CAP
2013	2035747.256	485830.836	2827.450	38◇39' 18.693064"N	111◇39' 45.941881"W	2810.529	-0◇06' 15.34"	1.00010878	0.99955922	0.99966795	6CM FHWA ALUMINUM CAP
2014	2035117.863	486044.165	2800.654	38◇38' 58.296713"N	111◇39' 37.073393"W	2783.733	-0◇06' 09.66"	1.00011080	0.99956342	0.99967417	2.5CM COPPERWELD
2015	2034759.530	486151.822	2798.748	38◇38' 46.683565"N	111◇39' 32.595440"W	2781.826	-0◇06' 06.79"	1.00011195	0.99956372	0.99967562	6CM FHWA ALUMINUM CAP
2016	2034480.841	486242.071	2803.892	38◇38' 37.651929"N	111◇39' 28.843469"W	2786.959	-0◇06' 04.39"	1.00011285	0.99956291	0.99967571	6CM FHWA ALUMINUM CAP
2017	2034274.015	486304.030	2801.684	38◇38' 30.948894"N	111◇39' 26.266642"W	2784.752	-0◇06' 02.74"	1.00011352	0.99956326	0.99967672	6CM FHWA ALUMINUM CAP
2018	2033554.438	486626.444	2786.977	38◇38' 07.633948"N	111◇39' 12.885218"W	2770.047	-0◇05' 54.17"	1.00011585	0.99956556	0.99968136	6CM FHWA ALUMINUM CAP
2019	2033280.099	486798.592	2778.684	38◇37' 58.747720"N	111◇39' 05.749122"W	2761.755	-0◇05' 49.60"	1.00011674	0.99956686	0.99968355	6CM FHWA ALUMINUM CAP

NOTE: TO PRECISELY CHECK DISTANCES BETWEEN POINTS AS MEASURED ON THE GROUND : INVERSE THE STATE PLANE COORDINATES AND DIVIDE THE COMPUTED DISTANCE BY A MEAN COMBINED FACTOR OF THE TWO POINTS.

TO COMPUTE GEODETIC AZIMUTHS USE THE FOLLOWING FORMULA :
GEODETIC AZIMUTH = GRID AZIMUTH + MAPPING ANGLE

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2/6/09

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SURVEY CONTROL

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WHEELS▫UT▫UT39-1(2)▫SURVEY▫CONTROL▫UT39(2) W MAR 01, 2004 CONTROL SHEETS.DGN
PROJECT UNITS : METERS; DMS
COORDINATE SYSTEM : LAMBERT NAD83; UT CENTRAL 4302
VERTICAL DATUM: NAVD88

ALL COORDINATES ARE IN METERS.

POINT NUMBER	STATE PLANE COORDINATES NORTH	EAST	ELEVATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	CONVERGENCE ANGLE	FACTORS SCALE X	ELEVATION =	COMBINED	DESCRIPTION
3000	2041438.016	484230.856	3003.610	38◇42' 23.124105"N	111◇40' 52.583118"W	2986.572	-0◇06' 58.03"	1.00009099	0.99953162	0.99962257	2.5CM COPPERWELD STAMPED F 65
3001	2041647.548	484281.845	3011.645	38◇42' 29.921840"N	111◇40' 50.490555"W	2994.602	-0◇06' 56.69"	1.00009035	0.99953036	0.99962067	6CM FHWA ALUMINUM CAP STAMPED 3001
3002	2041815.327	484316.885	3018.967	38◇42' 35.364632"N	111◇40' 49.054434"W	3001.919	-0◇06' 55.77"	1.00008983	0.99952922	0.99961901	2.5CM COPPERWELD STAMPEDF 66
3003	2042112.781	484344.726	3025.616	38◇42' 45.011849"N	111◇40' 47.926982"W	3008.560	-0◇06' 55.05"	1.00008893	0.99952818	0.99961706	6CM FHWA ALUMINUM CAP STAMPED 3003
3004	2042329.427	484209.672	3035.384	38◇42' 52.028061"N	111◇40' 53.534662"W	3018.319	-0◇06' 58.64"	1.00008827	0.99952665	0.99961488	2.5CM COPPERWELD STAMPED F 67
3005	2042661.721	484225.053	3048.297	38◇43' 02.804237"N	111◇40' 52.925971"W	3031.223	-0◇06' 58.25"	1.00008726	0.99952462	0.99961184	2.5CM COPPERWELD STAMPED F 68
3006	2042767.915	484267.793	3051.616	38◇43' 06.250574"N	111◇40' 51.165824"W	3034.540	-0◇06' 57.12"	1.00008694	0.99952410	0.99961100	2.5CM COPPERWELD STAMPED F 69
3007	2042944.224	484452.576	3055.744	38◇43' 11.979697"N	111◇40' 43.532174"W	3038.666	-0◇06' 52.23"	1.00008641	0.99952346	0.99960982	6CM FHWA ALUMINUM CAP STAMPED 3007
3008	2043184.468	484464.532	3061.960	38◇43' 19.770799"N	111◇40' 43.057144"W	3044.875	-0◇06' 51.93"	1.00008568	0.99952248	0.99960812	6CM FHWA ALUMINUM CAP STAMPED 3008
3009	2043423.786	484487.825	3066.900	38◇43' 27.532567"N	111◇40' 42.112739"W	3049.809	-0◇06' 51.32"	1.00008496	0.99952171	0.99960663	6CM FHWA ALUMINUM CAP STAMPED 3009
3010	2043707.224	484553.140	3062.616	38◇43' 36.727714"N	111◇40' 39.432369"W	3045.518	-0◇06' 49.61"	1.00008411	0.99952238	0.99960645	6CM FHWA ALUMINUM CAP STAMPED 3010
3011	2043882.751	484750.751	3087.306	38◇43' 42.432102"N	111◇40' 31.266411"W	3070.207	-0◇06' 44.38"	1.00008358	0.99951851	0.99960205	6CM FHWA ALUMINUM CAP STAMPED 3011
3012	2044064.337	484955.915	3117.524	38◇43' 48.333305"N	111◇40' 22.787921"W	3100.422	-0◇06' 38.94"	1.00008303	0.99951378	0.99959677	6CM FHWA ALUMINUM CAP STAMPED 3012
3013	2044281.080	484859.199	3135.231	38◇43' 55.355474"N	111◇40' 26.809139"W	3118.120	-0◇06' 41.52"	1.00008238	0.99951100	0.99959335	6CM FHWA ALUMINUM CAP STAMPED 3013
3014	2044503.088	484854.168	3131.660	38◇44' 02.554118"N	111◇40' 27.035343"W	3114.543	-0◇06' 41.67"	1.00008172	0.99951156	0.99959324	6CM FHWA ALUMINUM CAP STAMPED 3014
3015	2044825.711	484939.523	3118.357	38◇44' 13.021097"N	111◇40' 23.527511"W	3101.233	-0◇06' 39.42"	1.00008076	0.99951365	0.99959437	6CM FHWA ALUMINUM CAP STAMPED 3015
3016	2045064.935	485015.532	3127.069	38◇44' 20.783106"N	111◇40' 20.399723"W	3109.940	-0◇06' 37.41"	1.00008005	0.99951229	0.99959229	2.5CM COPPERWELD STAMPED 77
3017	2045191.714	485054.254	3131.685	38◇44' 24.896552"N	111◇40' 18.806609"W	3114.554	-0◇06' 36.39"	1.00007967	0.99951156	0.99959119	6CM FHWA ALUMINUM CAP STAMPED 3017
3018	2045402.566	485126.576	3140.677	38◇44' 31.738270"N	111◇40' 15.828910"W	3123.540	-0◇06' 34.49"	1.00007904	0.99951015	0.99958916	2.5CM COPPERWELD STAMPED F 78
3019	2045553.757	485202.699	3147.961	38◇44' 36.645622"N	111◇40' 12.688981"W	3130.823	-0◇06' 32.48"	1.00007859	0.99950901	0.99958757	6CM FHWA ALUMINUM CAP STAMPED 3019

NOTE: TO PRECISELY CHECK DISTANCES BETWEEN POINTS AS MEASURED ON THE GROUND :
INVERSE THE STATE PLANE COORDINATES AND DIVIDE THE COMPUTED DISTANCE
BY A MEAN COMBINED FACTOR OF THE TWO POINTS.

TO COMPUTE GEODETIC AZIMUTHS USE THE FOLLOWING FORMULA :
GEODETIC AZIMUTH = GRID AZIMUTH + MAPPING ANGLE

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2/6/09

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SURVEY CONTROL

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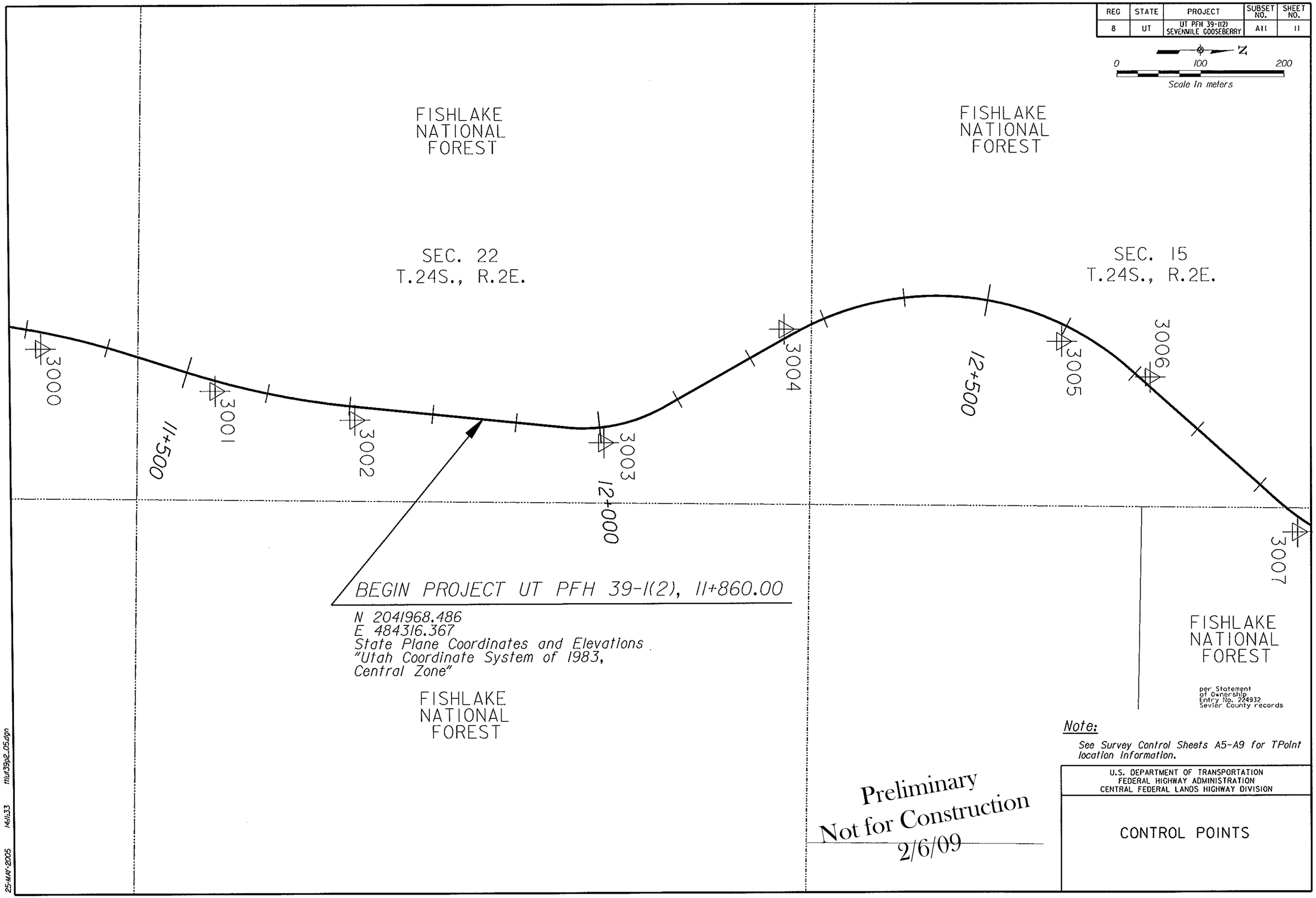
REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	A11	11



Note:

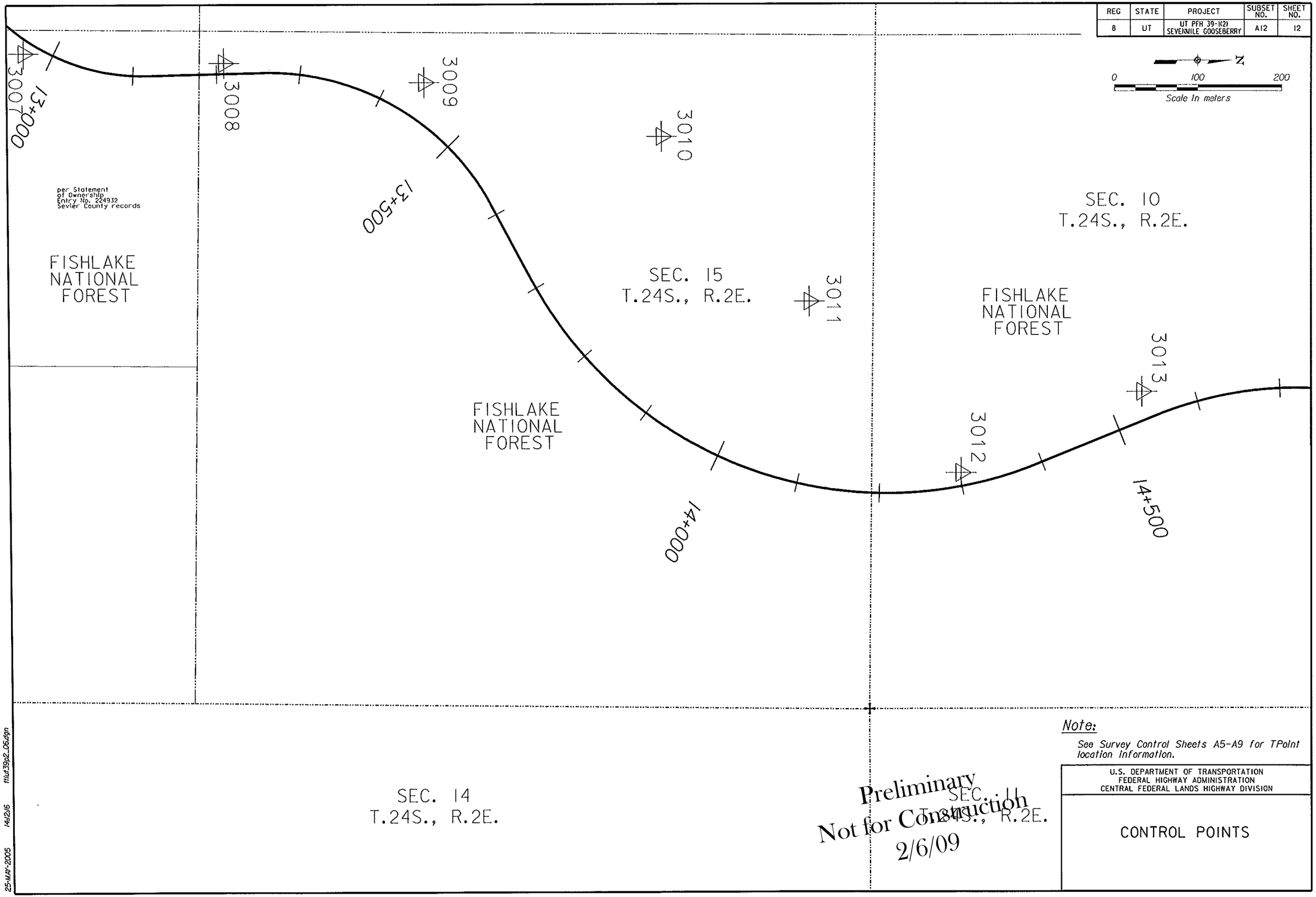
See Survey Control Sheets A5-A9 for TPoint location information.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

CONTROL POINTS

25-MAY-2005 14:11:33 mut39p2_05.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	A12	12



Preliminary
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2/6/09

Note:

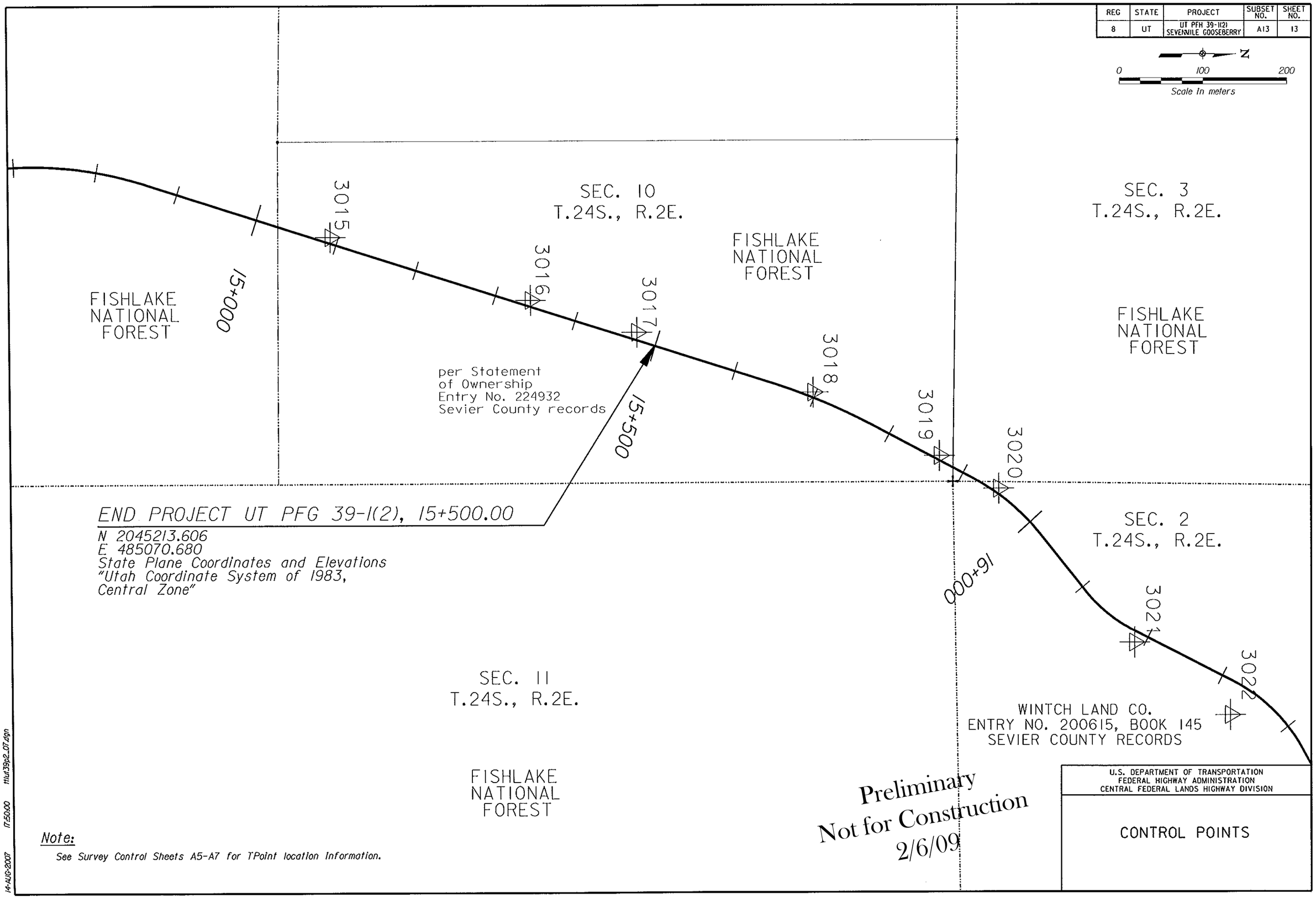
See Survey Control Sheets A5-A9 for TPoint location information.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

CONTROL POINTS

25-MAY-2005 14:12:16 ttut39p2_06.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	A13	13



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

CONTROL POINTS

Note:

See Survey Control Sheets A5-A7 for TPoint location Information.

14-AUG-2007 17:50:00 ttut39p2_07.dgn

ITEM NO.	ITEM DESCRIPTION	UNIT	SHEET NUMBER AND DESCRIPTION							ESTIMATED QUANTITIES		REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITY
			B3	B4	B5	B6	B7	B8		PLAN	BID	
			Tabulation of Quantities	Tabulation of Quantities	Tabulation of Quantities	Tabulation of Quantities	Tabulation of Quantities	Grading Summary				
15101	Mobilization	LPSM								ALL	ALL	
15202	Slope, reference, and clearing and grubbing stakes	km								-----	3.6	
15203	Centerline re-establishment	km								-----	3.6	
15204	Drainage structure survey and staking	Each								-----	27	
15207	Grade finishing stakes	km								-----	3.6	
15210	Miscellaneous survey and staking	LPSM								ALL	ALL	
15401	Contractor testing	LPSM								ALL	ALL	
15501	Construction schedule	LPSM								ALL	ALL	
15702	Temporary turf establishment	ha	6							6	10	
15703	Silt fence	m	3323							3323	3490	
15705	Slope drain system	m	57							57	60	
15709	Check dams (type B)	Each	65							65	70	
15729	Excelsior log (erosion log)	m	1008							1008	1060	
15737	Check dams (type A)	m	96							96	100	
20101	Clearing and grubbing	ha								-----	11.0	
20301C	Removal of gates	Each			1					1	1	
20301CA	Removal of cattleguard	Each			1					1	1	
20301H	Removal of pipe culverts	Each	19							19	20	
20302V	Removal of fence	m			4					4	4	
20401	Roadway excavation	m3						76738		76738	80570	
20402	Subexcavation	m3						1684		1684	1770	
20405	Select borrow	m3	100			11382				11482	12060	
20412	Waste	m3						1422		1422	1490	
20429	Grade ditch	m		161						161	170	
21101	Roadway obliteration	m2	9795							9795	10285	
25101A	Placed riprap class 1	m3		157						157	165	
25101B	Placed riprap class 2	m3	0.4	26						26	28	
25101C	Placed riprap class 3	m3		493						493	518	
25101D	Placed riprap class 4	m3			226					226	237	
25101D	Placed riprap class 4 (stabilization)	m3					1652			1652	1735	
21512A	Riprap ditch class 1 (type 1)	m		935						935	982	
21512A	Riprap ditch class 1 (type 2)	m		118						118	124	
21512A	Riprap ditch class 1 (type 3)	m		262						262	275	
21512B	Riprap ditch class 2 (type 1)	m		181						181	190	
21512B	Riprap ditch class 2 (type 3)	m		63						63	66	
21512C	Riprap ditch class 3 (type 1)	m		1272						1272	1336	
21512C	Riprap ditch class 3 (type 3)	m		128						128	134	
30101D	Aggregate base grading D	t	1515			8297				9812	10303	Based on 2.225 metric ton per cubic meter
60101	Concrete	m3			13					13	14	
60201K	450 mm pipe culvert	m				13				13	14	
60201M	600 mm pipe culvert	m			279					279	293	
60201N	750 mm pipe culvert	m			17					17	18	
	Continued on next sheet											

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	B1	B9

The quantities shown are approximate, unless noted as a contract quantity. Payment will be made for the actual quantities of work performed and accepted, or for materials furnished according to the contract.

Preliminary
Not for Construction
2/6/09

SUMMARY OF QUANTITIES

N:\UT\ut39-1(2)\ProjectManagers\Construction\Added Work\[Phase2Mod_QtyWork(Waste Item).xls]Summar
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N:\UT\ut39-1(2)\ProjectManagers\Construction\Added Work\[Phase2Mod_QtyWork(Waste Item).xls]Summary 2

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ITEM NO.	ITEM DESCRIPTION	UNIT	SHEET NUMBER AND DESCRIPTION							ESTIMATED QUANTITIES		REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITY
			B3	B4	B5	B6	B7					
			Tabulation of Quantities	Tabulation of Quantities	Tabulation of Quantities	Tabulation of Quantities	Grading Summary			PLAN	BID	
60201Q	1050 mm pipe culvert	m			77					77	80	
60201R	1200 mm pipe culvert	m			19					19	20	
60201S	1350 mm pipe culvert	m			27					27	30	
60606K	End section for 450 mm pipe culvert (metal)	Each				2				2	2	
60206M	End section for 600 mm pipe culvert (metal)	Each			32					32	30	
60206N	End section for 750 mm pipe culvert (metal)	Each			2					2	2	
60206Q	End section for 1050 mm pipe culvert (metal)	Each			8					8	10	
60206R	End section for 1200 mm pipe culvert (metal)	Each			2					2	2	
60501	Underdrain system (cut)	m	55							55	60	
60502A	Special underdrain system (cut)	m	40							40	40	
60507G	200 mm outlet pipe	m	50							50	50	
61806	Barrier stone	Each			39					39	39	
61902BJ	Gate metal type, 5400 mm width	Each			1					1	1	
61902FA	Gate road closure, single	Each			1					1	1	
61903K	Cattleguard, 9.6 meter	Each			1					1	1	
62201AE	Dump truck, 8 cubic meter minimum capacity	Hour								----	20	
62201BA	Backhoe loader, 60 liter minimum rated capacity bucket (300 mm w	Hour								----	20	
62201CD	Wheel loader, 2 cubic meter minimum rated capacity	Hour								----	20	
62201DA	Bulldozer, 50 kW minimum flywheel power	Hour								----	20	
62201DD	Bulldozer, 120 kW minimum flywheel power	Hour								----	20	
62201L	Motor grader	Hour								----	20	
62201M	Hydraulic excavator	Hour								----	20	
62301	General labor	Hour								----	20	
62406	Placing conserved topsoil	m3					14517			14517	15240	
62501B	Seeding, hydraulic method	ha	6							6	10	
62504B	Mulching, hydraulic method	ha	6							6	10	
63302	Sign installatin	m2				17				17	20	
63307B	Delineators Type 2	Each				46				46	50	
63315	Remove and resetting sign	LPSM			1					ALL	ALL	
63505B	Barricade type 2	Each					10			10	10	
63504	Barricade type 3	Each					30			30	30	
63506A	Cone type A	Each					26			26	30	
63507	Construction sign	m2					160			160	170	
63508	Drum	Each					39			39	40	
63509	Flagger	hour					1300			1300	1370	
63510	Pilot car	hour					156			156	160	
63511	Temporary concrete barrier	m					215			215	230	
63521B	Warning light type B	Each					2			2	2	

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	B2	B9

The quantities shown are approximate, unless noted as a contract quantity. Payment will be made for the actual quantities of work performed and accepted, or for materials furnished according to the contract.

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SUMMARY OF QUANTITIES

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REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	B3	B9

EROSION CONTROL SUMMARY

LOCATION	15702 Temporary Turf Establishment	15703 Silt Fence	15709 Check Dam (type B)	15729 Excelsior log (erosion log)	15737 Check Dam (type A)	62501B Seeding, hydraulic method	62504B Mulching, hydraulic method	REMARKS
	ha	m	Each	m	m	ha	ha	
11+860 - 12+100	0.317	235	0	55	12	0.317	0.317	
12+100 - 12+450	0.611	515	19	41	4	0.611	0.611	
12+450 - 12+800	0.611	133	19	37	4	0.611	0.611	
12+800 - 13+150	0.419	305	0	86	16	0.419	0.419	
13+150 - 13+500	0.703	255	3	135	4	0.703	0.703	
13+500 - 13+850	0.626	305	0	214	8	0.626	0.626	
13+850 - 14+200	0.491	330	0	158	12	0.491	0.491	
14+200 - 14+550	0.528	285	0	108	8	0.528	0.528	
15+550 - 14+900	0.457	360	0	82	8	0.457	0.457	
14+900 - 15+250	0.467	350	17	51	12	0.467	0.467	
15+250 - 15+500	0.363	250	7	41	8	0.363	0.363	
TOTALS	**5.593**	**3323**	**65**	**1008**	**96**	**5.593**	**5.593**	

ROADWAY OBLITERATION

LOCATION		21101 Roadway Obliteration	62501B Seeding, hydraulic method	62504B Mulching, hydraulic method	REMARKS
		m2	ha	ha	
12+020 - 12+135	Rt.	795	0.08	0.08	
12+150 - 12+175	Lt.	154	0.02	0.02	
12+320 - 12+520	Rt.	1698	0.17	0.17	
12+560 - 12+820	Lt.	1935	0.19	0.19	
12+990 - 13+120	Rt.	1648	0.16	0.16	
13+330 - 13+380	Rt.	454	0.05	0.05	
13+455 - 13+520	Lt.	169	0.02	0.02	
13+550 - 13+590	Lt.	62	0.01	0.01	
14+030 - 14+195	Lt.	955	0.10	0.10	
14+320 - 14+480	Rt.	1184	0.12	0.12	
14+500 - 14+620	Lt.	741	0.07	0.07	
TOTALS		**9795**	**1**	**1**	

UNDERDRAIN SUMMARY

LOCATION		15705 Slope Drains System	25101B Placed Riprap Class 2	60501 Underdrain System (cut)	60502A Special Underdrain System (cut)	60507G 200 mm Outlet Pipe	FIO Earthwork Geotextile Type I-B	FIO Granular Backfill	FIO Impervious Material	REMARKS
		m	m3	m	m	m	m2	m3	m3	
14+140 - 14+170	Rt.	57				5	331	84		
14+140 - 14+180	Rt.		0.2		40	23	196	45	5	
15+275 - 15+330	Rt.		0.2	55		22	215	42	6	
TOTALS		**57**	**0.4**	**55**	**40**	**50**	742	171	11	

CULVERT REMOVAL SUMMARY

LOCATION	Offset	Lt or Rt	Estimated Culvert Size	20301H Removal of pipe culverts	REMARKS
	m		mm	Each	
11+921	5	Rt	450	1	
12+041	18	Rt	450	1	
12+075	19	Rt	450	1	
12+087	17	Rt	600	1	
12+510	12	Rt	450	1	
12+828	6	Lt	600	1	
12+962	0		450	1	
13+058	58	Rt	600	1	
13+627	4	Rt	450	1	
13+681	11	Rt	350	1	
13+799	8	Rt	450	1	
14+023	8	Lt	350	1	
14+203	9	Lt	450	1	
14+334	14	Rt	450	1	
15+000	0		450	1	
15+119	0		450	1	
15+224	0		450	1	
15+301	0		450	1	
15+455	0		450	1	
TOTAL				**19**	

MINOR ROAD SUMMARY

LOCATION		Total Length	20405 Select Borrow	30101D Aggregate Base, Grading D	Remarks
		m	m3	t	
12+107	Lt.	112.94	38	148	Cold Springs Road
12+250	Lt.			882	Parking Plan
12+977	Rt.	28.1	14	27	
13+160	Lt.	24.21	27	33	
13+725	Lt.	7.98	21	16	
14+650	Lt.			409	Parking Plan
TOTALS		173	**100**	**1515**	

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ROADSIDE DITCH SUMMARY

LOCATION		20429 Grade ditch	25101A Placed Riprap, class 1	25101B Placed Riprap, class 2	25101C Placed Riprap, class 3	25112A Riprap Ditch, class 1 (type 1)	25112A Riprap Ditch, class 1 (type 2)	25112A Riprap Ditch, class 1 (type 3)	25112B Riprap Ditch, class 2 (type 1)	25112B Riprap Ditch, class 2 (type 3)	25112C Riprap Ditch, class 3 (type 1)	25112C Riprap Ditch, class 3 (type 3)	FIO Geotextile, Type IV-C	REMARKS
		m	m3	m3	m3	m	m	m	m	m	m	m	m2	
11+860 - 11+915	Rt.	55												
11+922 - 12+028	Rt.	106												
12+085 - 12+110	Rt.							25					112	
12+120 - 12+328	Rt.		24			208							774	Placed riprap is for culvert inlet treatment at station 12+334
12+347 - 12+500	R		22			153							697	Placed riprap is for culvert inlet treatment at station 12+505
12+519 - 12+800	Rt.					281							938	
12+825 - 12+958	Rt.		92					133					902	Placed riprap is for culvert inlet treatment at stations 12+826 and 12+962
13+023 - 13+047	Rt.							24					108	
13+059 - 13+102	Rt.									43			217	
13+102 - 13+122	Rt.									20			96	Transition ditch will be paid for as type 3.
13+122 - 13+234	Rt.						112						473	
13+234 - 13+240	Rt.						6						24	Transition ditch will be paid for as type 2.
13+240 - 13+293	Rt.					53							242	
13+312 - 13+523	Rt.				39						211		928	Placed riprap is for culvert inlet treatment at station 13+300
13+542 - 13+674	Rt.					132							440	Placed riprap is for culvert inlet treatment at station 13+530
13+693 - 13+858	Rt.				39						165		908	Placed riprap is for culvert inlet treatment at station 13+681
13+877 - 13+943	Rt.				39						66		377	Placed riprap is for culvert inlet treatment at station 13+863
13+962 - 14+018	Rt.				39						56		311	Placed riprap is for culvert inlet treatment at station 13+950
14+037 - 14+200	Rt.				39						163		724	Placed riprap is for culvert inlet treatment at station 14+024
14+240 - 14+320	Rt.				64			80					465	Placed riprap is for culvert inlet treatment at station 14+332
14+332 - 14+440	Rt.											108	661	
14+440 - 14+460	Rt.											20	102	Transition ditch will be paid for as type 3.
14+460 - 14+640	Rt.										180		728	
14+640 - 14+720	Rt.				61						80		483	Placed riprap is for culvert inlet treatment at station 14+735
14+744 - 14+808	Rt.				39						64		346	Placed riprap is for culvert inlet treatment at station 14+820
14+827 - 14+978	Rt.				95						151		770	Placed riprap is for culvert inlet treatment at station 15+000
15+066 - 15+173	Rt.			26					107				550	Placed riprap is for culvert inlet treatment at station 15+054
15+192 - 15+220	Rt.		19			28							93	Placed riprap is for culvert inlet treatment at station 15+180
15+220 - 15+294	Rt.								74				264	
15+313 - 15+449	Rt.				39						136		615	Placed riprap is for culvert inlet treatment at station 15+301
15+468 - 15+548	Rt.					80							332	Placed riprap is for culvert inlet treatment at station 15+455
TOTALS		**161**	**157**	**26**	**493**	**935**	**118**	**262**	**181**	**63**	**1272**	**128**	13680	

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REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	B5	B9

MAINLINE CULVERT SUMMARY

LOCATION	skew (deg)	60201M 600 mm pipe culvert (m)	60201N 750 mm pipe culvert (m)	60201P 900 mm pipe culvert (m)	60201Q 1050 mm pipe culvert (m)	60201R 1200 mm pipe culvert (m)	60201S 1350 mm pipe culvert (m)	25101B Placed riprap class 2 (m3)	25101C Placed riprap class 3 (m3)	25101D Placed riprap class 4 (m3)	FIO Geotextile, Type I-B (for protective aprons) (m2)	FIO Geotextile, Type III-B (under footings) (m2)	60101 Concrete (m3)	FIO Structural Backfill (m3)	60206M End section for 600 mm pipe culvert (metal) (Each)	60206N End section for 750 mm pipe culvert (metal) (Each)	60206Q End section for 1050 mm pipe culvert (metal) (Each)	60206R End section for 1200 mm pipe culvert (metal) (Each)	REMARKS
11+919	15	23							5		17				2				
12+031	22	19							5		17				2				
12+085	5				19					26	57						2		
12+505	15	17							5		17				2				
12+334	10	18							5		17				2				
12+826	5					19				35	71							2	This culvert shall be metal pipe.
12+962	20	18							5		17				2				
13+055	1						27	18		60	175	26	13	8					This culvert shall be metal pipe.
13+300	0	19								9	24				2				
13+530	0	20							5		17				2				
13+681	0	15							5		17				2				
13+863	13	18								9	24				2				This culvert shall be metal pipe.
13+950	0	17								9	24				2				This culvert shall be metal pipe.
14+024	13	15							5		17				2				
14+206	20				17					26	57						2		
14+332	0				24					26	57						2		This culvert shall be metal pipe.
14+735	0		17						8		24					2			
14+820	0	16							5		17				2				
15+000	4				17					26	57						2		
15+054	0	15							5		17				2				
15+180	0	17							5		17				2				
15+301	1	17							5		17				2				
15+455	3	15							5		17				2				
TOTALS		**279**	**17**	**0**	**77**	**19**	**27**	**18**	**73**	**226**	791	26	**13**	8	**32**	**2**	**8**	**2**	

MISCELLANEOUS ITEM SUMMARY

LOCATION		20301C Removal of gates (Each)	20301CA Removal of cattleguards (Each)	20302V Removal of fence (m)	63315 Remove and resetting sign (LPSM)	61806 Barrier Stone (Each)	61902BJ Gate metal type, single 5400 mm width (Each)	61902FA Gate road closure, single (Each)	61903K Cattle guard, 9.6 Meter (Each)	REMARKS
12+100	Lt.				1					Reset Rock Sign near Cold Springs Road
12+250	Lt.					30				Cold Springs Parking Area
13+160	Lt.							1		
13+606	Lt./Rt.	1	1	4			1		1	
14+650	Lt.					9				Overlook
TOTALS		**1**	**1**	**4**	**1**	**39**	**1**	**1**	**1**	

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REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	B6	B9

PERMANENT TRAFFIC CONTROL

STATION	SIDE	MUTCD CODE	PANEL SIZE mm x mm	NUMBER OF POSTS		POST HEIGHT ABOVE GROUND	63302 Sign installation	REMARKS
				TIMBER POST	STEEL POST		m2	
11+900	Lt.	R2-1(40)	600X750		1	2.8	0.45	
12+040	Rt	Special 6	1910X450	1		2.8	0.86	
12+070	Lt.	Special 4	600X600		1	2.8	0.36	
12+100	Lt.	R1-1	750X750		1	2.8	0.56	
12+110	Rt.	Special 7	1270X470		1	2.8	0.60	On Cold Springs Road
12+110	Rt.	Special 18	525X375				0.20	On Cold Springs Road
12+140	Lt.	W1-2R	750X750		1	2.8	0.56	
12+180	Lt.	R1-1	750X750		1	2.8	0.56	
12+180	Lt.	R5-1	750X750				0.56	
12+195	Lt.	R6-1R	900X300		1	2.8	0.27	
12+195	Lt.	R6-1L	900X300				0.27	
12+200	Rt.	SA-1	1020X970	1		2.8	0.99	
12+200	Rt.	M6-1	525X375				0.20	
12+300	Lt.	R6-1L	900X300		1	2.8	0.27	
12+300	Lt.	R6-1R	900X300				0.27	
12+320	Rt.	Special 4	600X600		1	2.8	0.36	
12+320	Rt.	Special 4	600X600				0.36	
12+365	Lt.	SA-1	1020X970	1		2.8	0.99	
12+356	Lt.	M6-1	525X375				0.20	
12+400	Lt.	Special 8	1910X450	1		2.8	0.86	
12+920	Rt.	Special 10	1110X450		1	2.8	0.50	
12+980	Rt.	R1-1	750X750		1	2.8	0.56	
13+040	Lt.	Special 11	1110X450		1	2.8	0.50	
12+150	Lt.	R1-1	750X750		1	2.8	0.56	
13+210	Rt.	R2-1(40)	600X750		1	2.8	0.45	
13+605	Rt.	OM-3L	300X900		1	2.8	0.27	
13+610	Lt.	OM-3R	300X900		1	2.8	0.27	
13+720	Lt.	R1-1	750X750		1	2.8	0.56	
14+560	Rt.	SA-1	1020X970		1	2.8	0.99	
14+560	Rt.	M6-1	525X375				0.20	
14+790	Lt.	SA-1	1020X970	1		2.8	0.99	
14+790	Lt.	M6-1	525X375				0.20	
14+890	Lt.	W11-3	750X750		1	2.8	0.56	
14+890	Rt.	W11-3	750X750		1	2.8	0.56	
TOTALS				5	20	70	**16.92**	

DELINEATORS

LOCATION AND STATION		63307B Delineator, type 2	REMARKS
		Each	
11+860 - 15+500	Lt.&rt.	46	@ each culvert
TOTAL		**46**	

SURFACING SUMMARY

STATION TO STATION		30101D Aggregate base, Grading D	20405 Select Borrow	REMARKS
		@ 2.225 t/m3	m3	
		t		
11+860	12+100	544	847	
12+100	12+800	1527	2056	
12+800	13+500	1551	2254	
13+500	14+200	1707	2181	
14+200	14+900	1534	2159	
14+900	15+500	1434	1885	
TOTALS		**8297**	**11382**	

MINOR ROAD DRAINAGE SUMMARY

Minor Road Stationing		60201K 450mm pipe culvert	60206K End section for 450mm pipe culvert	REMARKS
		m	Each	
05+010	Lt.&rt.	13	2	@ ML Sta. 12+977
TOTALS		**13**	**2**	

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CONSTRUCTION TRAFFIC CONTROL SIGNS

SIGN CODE	LEGEND	DIMENSION mm	x	mm	QUANTITY	AREA m2
CSP-1	SEVENMILE GOOSEBERRY ROAD CLOSED FOR CONSTRUCTION	6120	x	2000	5	61.20
CSP-2	SEVENMILE GOOSEBERRY ROAD CLOSED FOR CONSTRUCTION	2360	x	960	1	2.27
CSP-3	SEVENMILE GOOSEBERRY ROAD CLOSED FOR CONSTRUCTION	2450	x	1200	1	2.94
G20-1	ROAD WORK NEXT 9 MILES	900	x	450	5	2.03
G20-2	END ROAD WORK	900	x	450	5	2.03
M4-8a	END DETOUR	600	x	450	4	1.08
W1-6	ONE DIRECTION LARGE ARROW	1200	x	600	8	5.76
R1-1	STOP	750	x	750	4	2.25
R11-2	ROAD CLOSED	1200	x	750	27	24.30
W1-3	DETOUR TURN	750	x	750	9	5.06
W1-4	DETOUR CURVE	750	x	750	9	5.06
W3-1a	STOP SIGN W/ ARROW	900	x	900	4	3.24
W13-1	XX MPH	450	x	450	28	5.67
W16-1	500 FEET	600	x	450	14	3.78
W20-1	ROAD WORK 1500 FT	900	x	900	2	1.62
W20-4	ONE LANE ROAD 1000 FT	900	x	900	12	9.72
W20-7a	FLAGGER AHEAD	900	x	900	8	6.48
W20-1	ROAD WORK AHEAD	900	x	900	2	1.62
SPECIAL	AFTER STOP PROCEED WHEN CLEAR	1200	x	600	4	2.88
W1-5	500 FEET	750	x	750	8	4.50
W20-1	ROAD WORK 1500 FT	900	x	900	4	3.24
W20-1	ONE LANE ROAD 1000 FT	900	x	900	2	1.62
W20-7B	FLAGGER AHEAD	900	x	900	2	1.62
PROJECT TOTALS						**160**

CONSTRUCTION TRAFFIC CONTROL

PAY ITEM	DESCRIPTION	QUANTITY	UNIT
63505B	Barricade type 2	10	Each
63504	Barricade type 3	30	m
63506A	Cone type A	26	Each
63507	Construction sign	160	m2
63508	Drum	39	Each
63509	Flagger	1300	Hour
63510	Pilot car	156	Hour
63511	Temporary concrete barrier	215	m
63511B	Warning light type B	2	Each

PLACED RIPRAP, CLASS 4 (STABILIZATION)

LOCATION AND STATION				25101D Placed riprap, class 4 (stabilization) m3	REMARKS
12+660	-	12+810	Lt.&rt.	1166	
15+260	-	15+322	Lt.&rt.	486	
TOTAL				**1652**	

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GRADING SUMMARY

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEET
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	B8	B9

Column A	Column B	Column C	Column D	Column F	Column G	Column H	Column I	Column J	Column K	Column L	Column M	Column N	Column R	Column S	Column T	Column U	Column W	Column X	Column Y	Column Z	Column AA
	Roadway Excavation			Adjustments To Excavation							Roadway Embankment		Adjustments to Embankment					Mass Haul			
Pay Item			20401				20402													62406	20412
Station	Roadway Prism	Approach Roads & Parking Areas	Roadway Excavation	(+) Misc. Excavation (riprap, underdrain)	(-) Topsoil Stripping In Cuts	(+) Excavation From Roadway Obliteration	(+) Sub-excavation	(-) Disposal of Sub-excavation Material	Shrink/ Swell Factor	Total Excavation Available for Fills	Roadway Prism	Approach Roads & Parking Areas	(+) Subexcavation Backfill	(-) Subbase (special embankments)	(+) Topsoil Replacement Under Fill	(+) Embankment For Roadway Obliteration	Total Embankment	Excavation - Embankment	Mass Ordinate	Placing Conserved Topsoil	Waste
Definition	(BCM)	(BCM)	(BCM)	(BCM)	(BCM)	(BCM)	(BCM)	(BCM)		(CCM)	(CCM)	(CCM)	(CCM)	(CCM)	(CCM)	(CCM)	(CCM)	(CCM)	(CCM)	(m3)	(CCM)
11+860 - 12+100	0	7	7	25	0	0	0	0	0.90	29	5646	1333	0	0	929	0	7908	-7879	-7879	929	-7879
12+100 - 12+800	24273	687	24960	424	2032	22	1403	1403	0.90	21039	3163	6036	0	0	931	312	10442	10597	2718	2,963	10597
12+800 - 13+500	15588	115	15703	677	1307	0	23	23	0.90	13571	12730	32	0	0	1686	342	14790	-1219	1499	2,993	-1219
13+500 - 14+200	21425	0	21425	466	1520	247	0	0	0.90	18561	3231	0	0	0	915	107	4253	14308	15807	2,435	14308
14+200 - 14+900	9687	0	9687	1239	1168	0	0	0	0.90	8783	11680	7290	0	0	1666	321	20957	-12174	3633	2,834	-12174
14+900 - 15+500	4956	0	4956	853	1082	0	258	258	0.90	4256	5186	0	0	0	1281	0	6467	-2211	1422	2,363	-2211
Totals	75929	809	76738	3684	7109	269	1684	1684		66239	41636	14691	0	0	7408	1082	64817			14517	1422

NOTES:

1. BCM = Bank Cubic Meter = One cubic meter of material as it lies in natural bank state.
2. CCM = Compacted Cubic Meter = One cubic meter of material after it has been compacted to specification density.
3. The quantities shown herein are approximations. Payment will be made for the actual quantities of work performed and accepted.
4. The conserved topsoil will be placed to a minimum depth of 150 mm as shown on the plans or as directed by the CO.
5. The average shrink/swell factor shown is computed by taking an average of values over the specified station range. Actual shrink/swell factors are used in the calculations. See Geotech Report for actual values.
6. Clearing and Grubbing (Item No. 20101) for the project limits is estimated at 11.0 ha.
7. Subbase (special embankments) includes volumes from Subbase Grading A and Select Borrow used in Boulder Field Embankment, Aggregate Base Grading D used in Special Embankment.
8. Backfill for subexcation will be Placed Riprap Class 4 (Stabilization), See detail sheet F2 and SCR Section 204.
9. Strip topsoil to depths indicated in the Geotech Report. Topsoil stripped from cuts and fills calculated at 67% of values shown in the Geotech Report to account for boulders encountered in stripping operations.

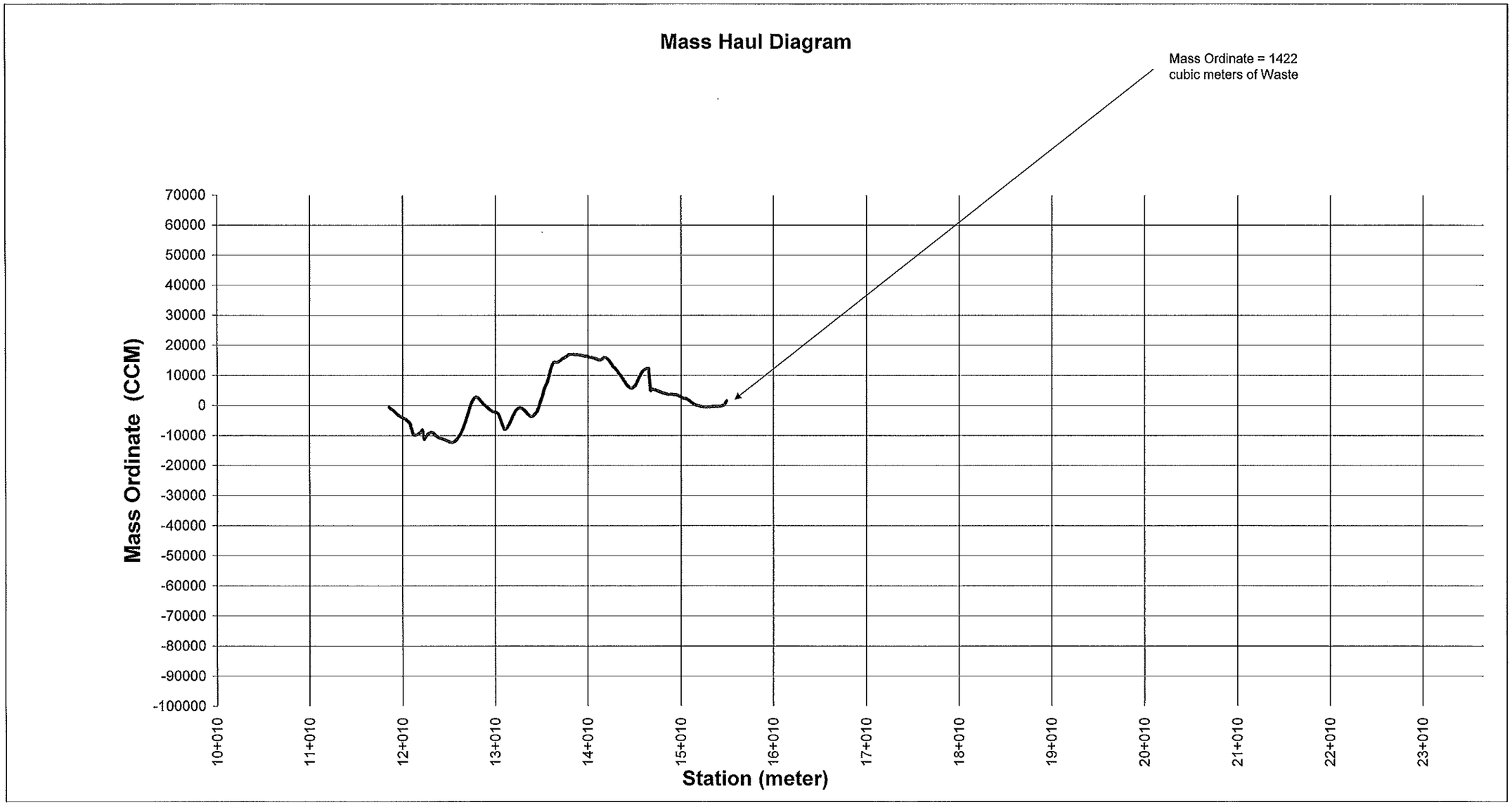
Preliminary
Not for Construction
2/6/09

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

GRADING SUMMARY

2/6/2009 7:09 N:\UT\ut39-1(2)\Roadway\2009 Contract Mod\Sheets\B-Summ\ut39p2grading_summary.xls\Summary

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEET
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	B9	B9



Preliminary
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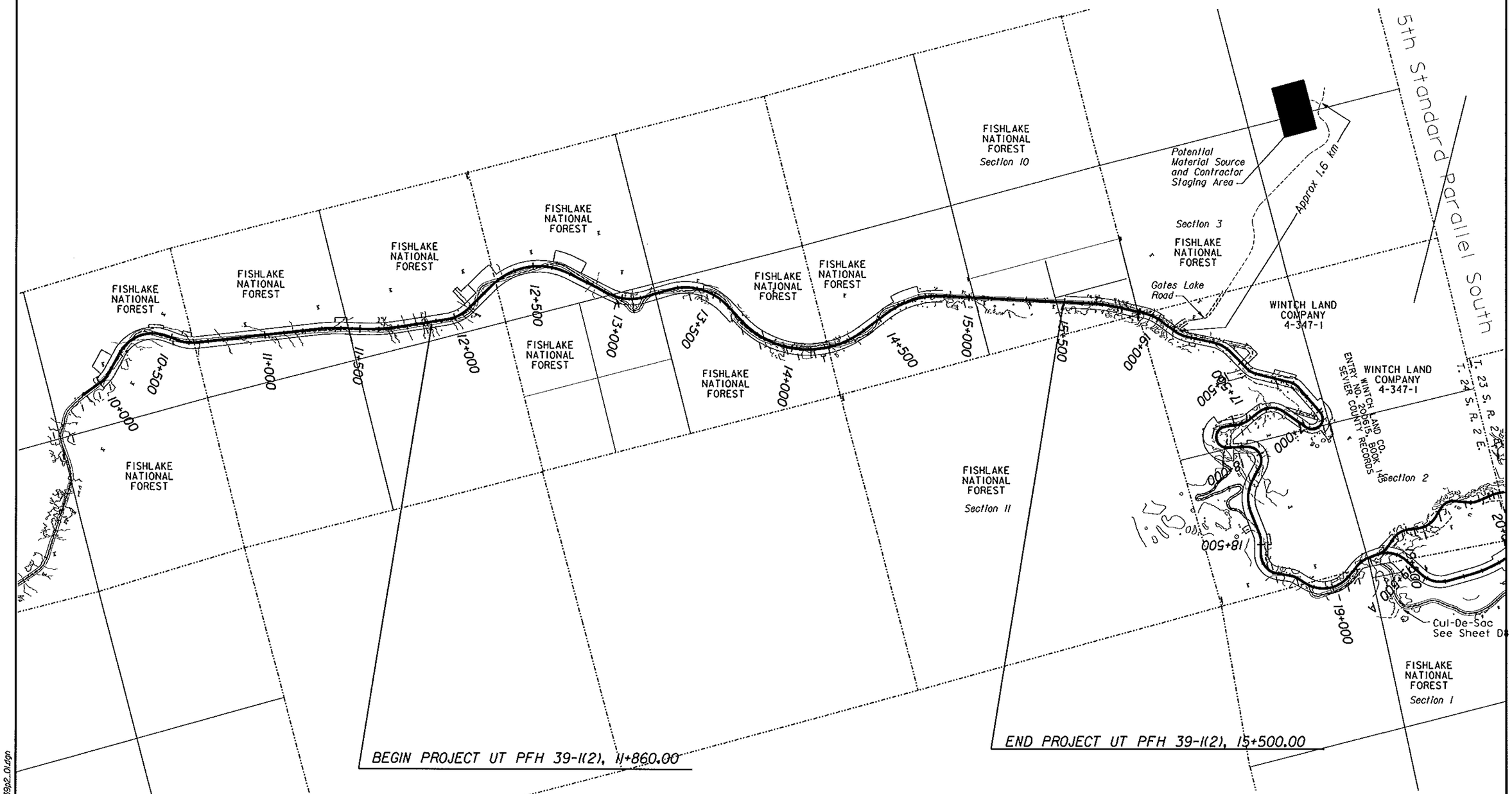
2/6/09

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

MASS HAUL DIAGRAM

2/6/2009 7:09 N:\UT\ut39-1(2)\Roadway\2009 Contract Mod\Sheets\B-Summ\ut39p2grading_summary.xls\Summary

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C1	C27



Preliminary Not for Construction 2/6/09

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SEVENMILE-GOOSEBERRY ROAD
SITE PLAN

16-AUG-2007 18:18:03 plaut39p2_01.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C7	52

Curve = BASE95-6
PI = 12+023.397
Δ = 35° 10' 26" (LT)
R = 200.000 m
T = 63.394 m
L = 122.780 m
e = 7.900

T. 24 S, R. 2 E.
Section 22

0 10 20 30
SCALE IN METERS

Minor Road 12+106 Lt.
See Sheets D1-D20 For Details

FISHLAKE NATIONAL FOREST

Edge of Shoulder
New 750 mm Culvert
New 750 mm Culvert
New 600 mm Culvert
New 600 mm Culvert
Inlet Treatment In Fill Slopes
Existing wetland W13-1
New 1050 mm Culvert
Edge of Shoulder
N 59° 48' 01" E
PC 11+960.004
+835, 5m Rt Remove Existing Culvert
Inlet Treatment In Fill Slopes
+852, 5m Rt Remove Existing Culvert
Existing wetland R13-3
+921, 5m Rt Remove Existing Culvert
Inlet Treatment In Fill Slopes
+075, 19m Rt Remove Existing Culvert
+041, 18m Rt Remove Existing Culvert
Existing Wetlands
Riprap Ditch Rt. Type 3, Class 1
Graded Ditch, Rt
Finish Grade Is Top of Aggregate Base Course 125mm Below Profile Grade Line
Profile Grade Line
125mm
Profile Grade Line
K = 56
100 m VC
+1.493%
-3.279%
V/PI 11+865
EL 3020.800
Original Ground
+836 750 mm Culvert
+852 750 mm Culvert
+919 600 mm Culvert
+031 600 mm Culvert
+085 1050 mm Culvert
Graded Ditch, Rt
Graded Ditch, Rt
+852
+915
+922
+028
+085
11+750
11+800
11+850
11+900
11+950
12+000
12+050
12+100

Preliminary
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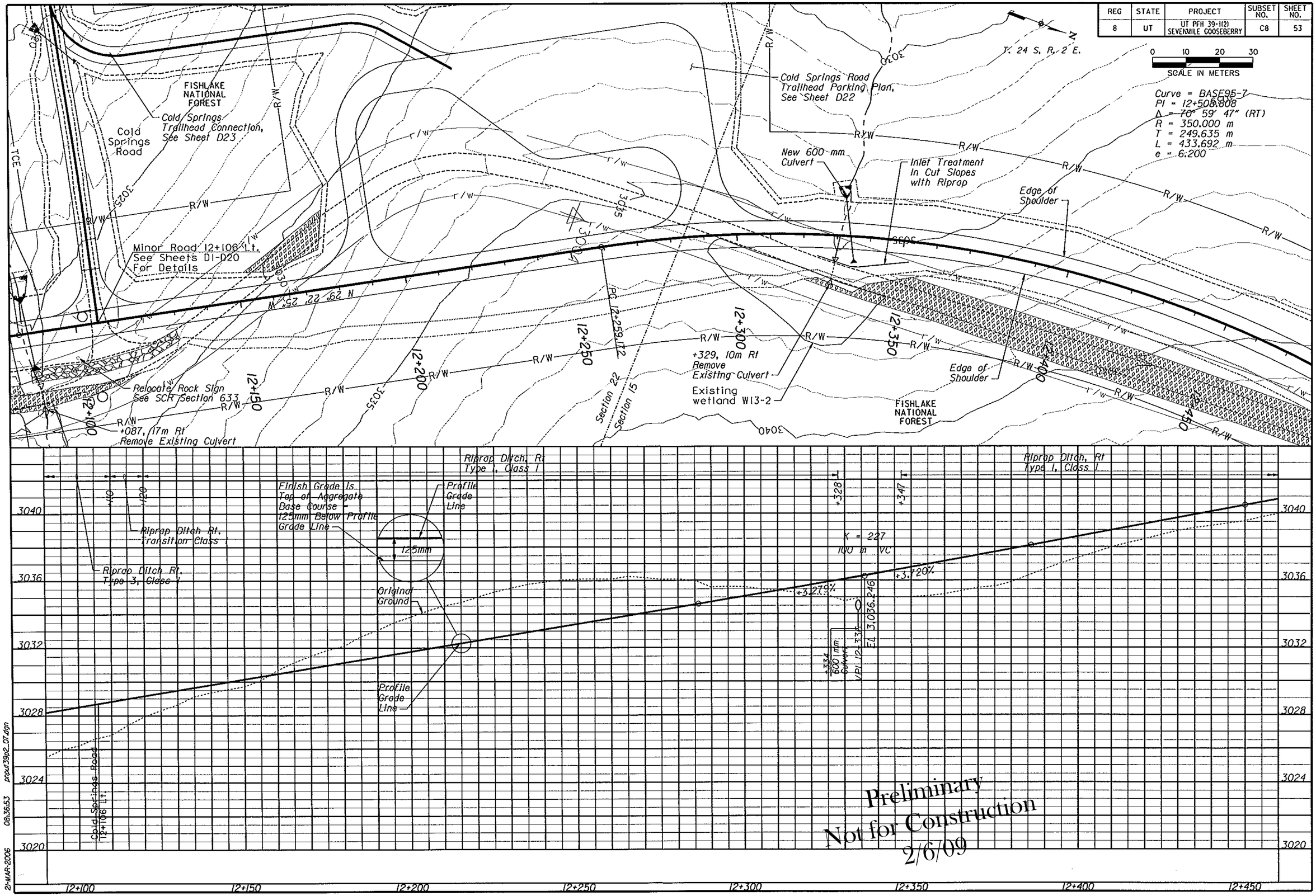
2/6/09

21-MAR-2006 08:35:03 pnput39p2_06.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C8	53



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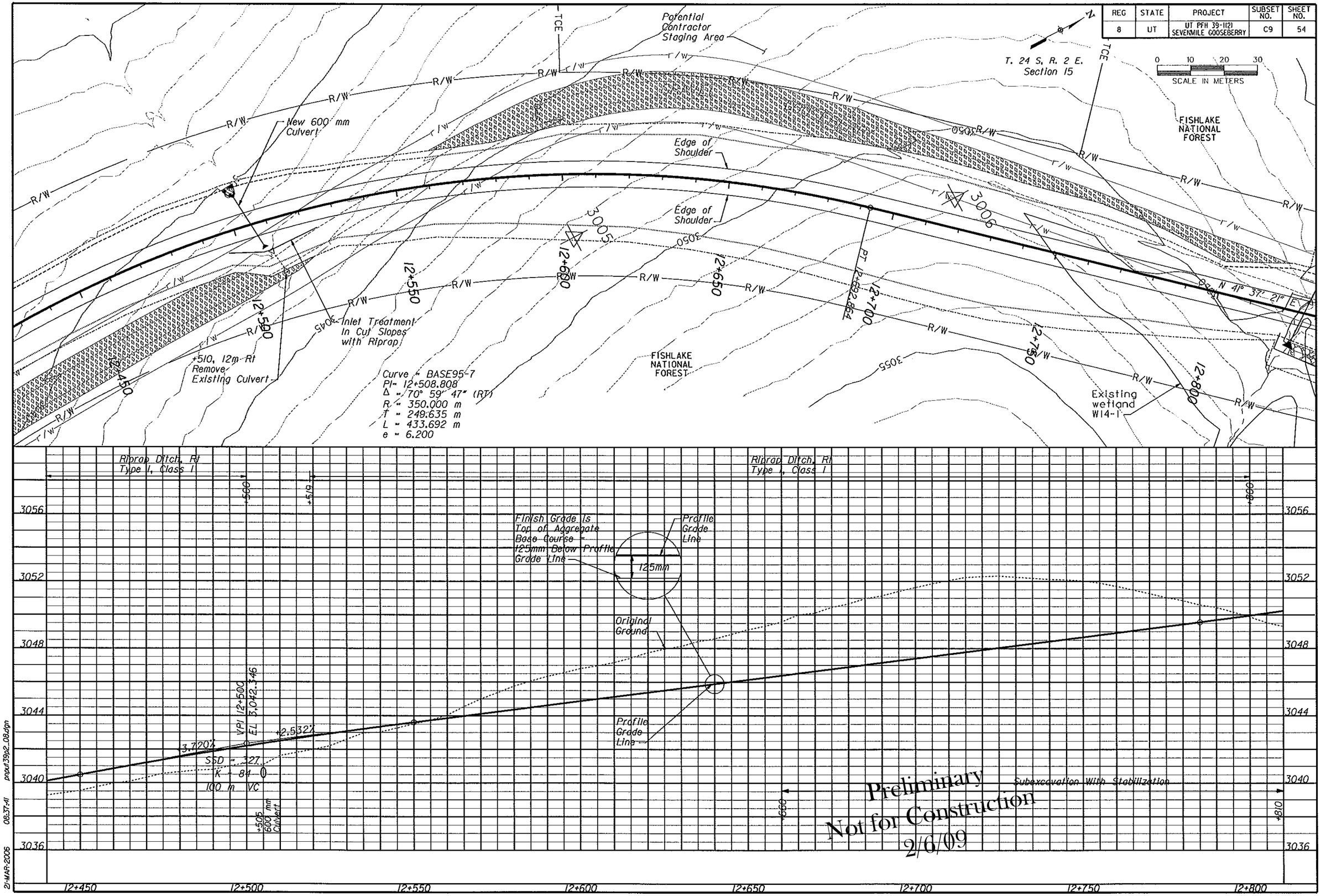
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C9	54



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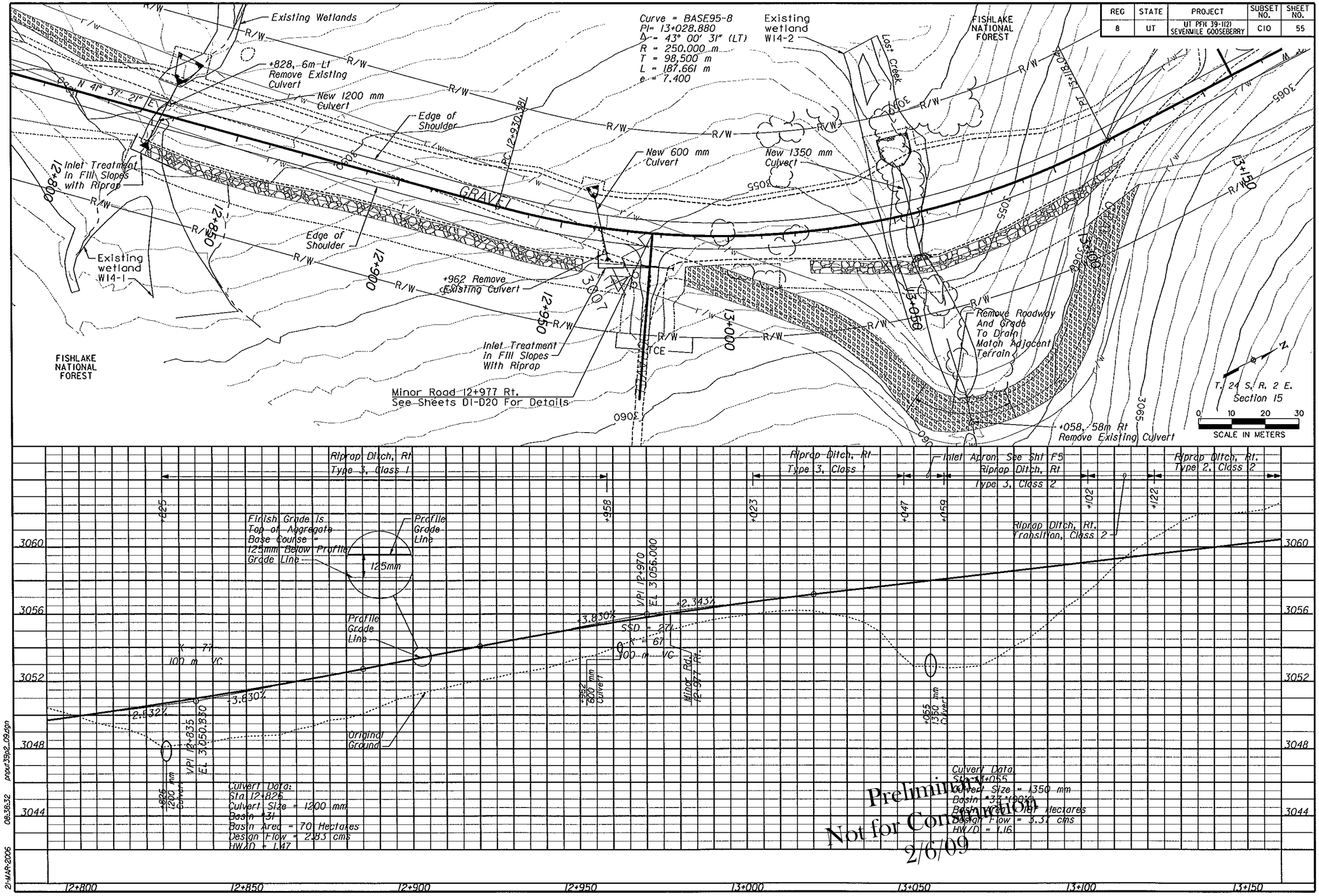
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C10	55



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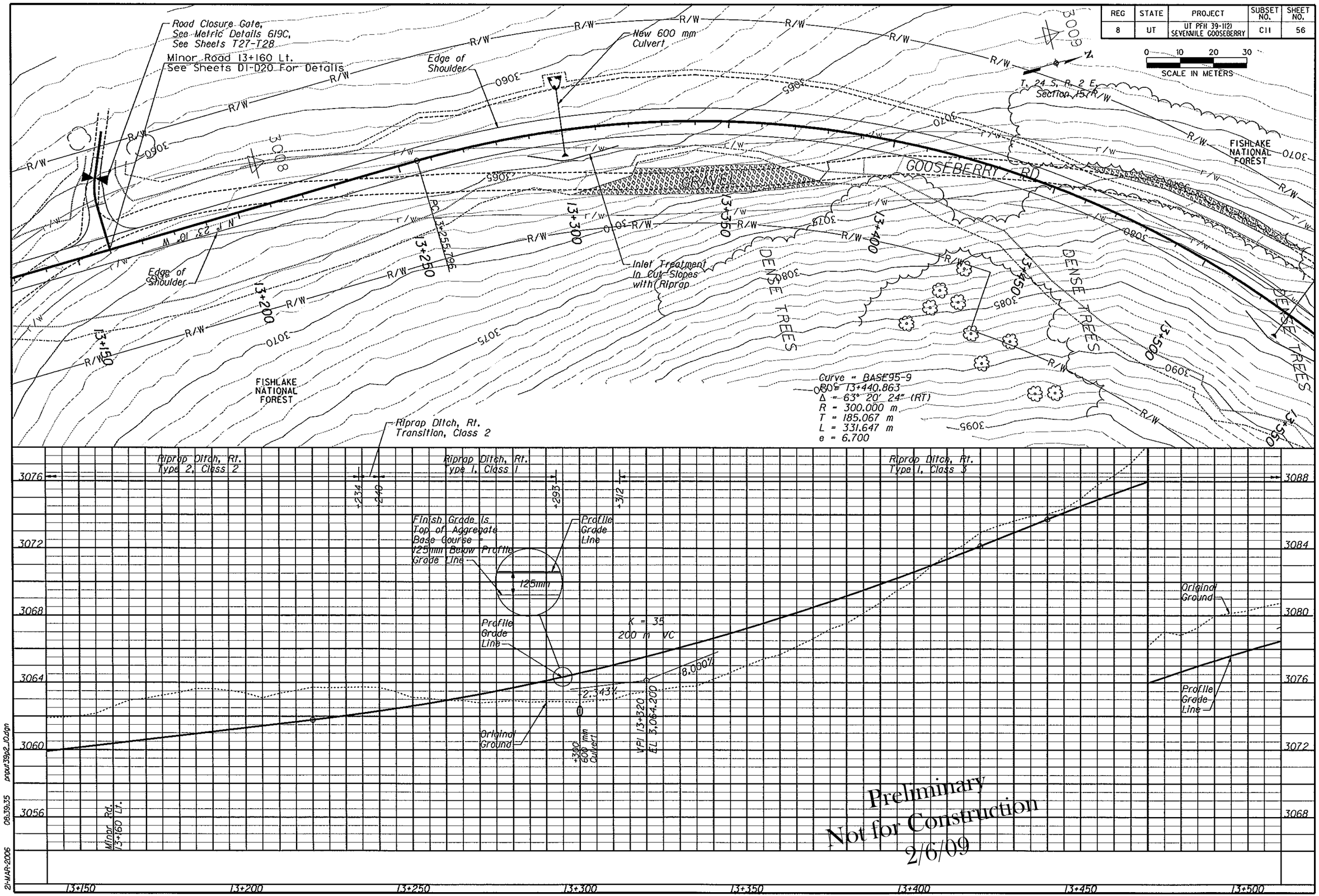
REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C11	56



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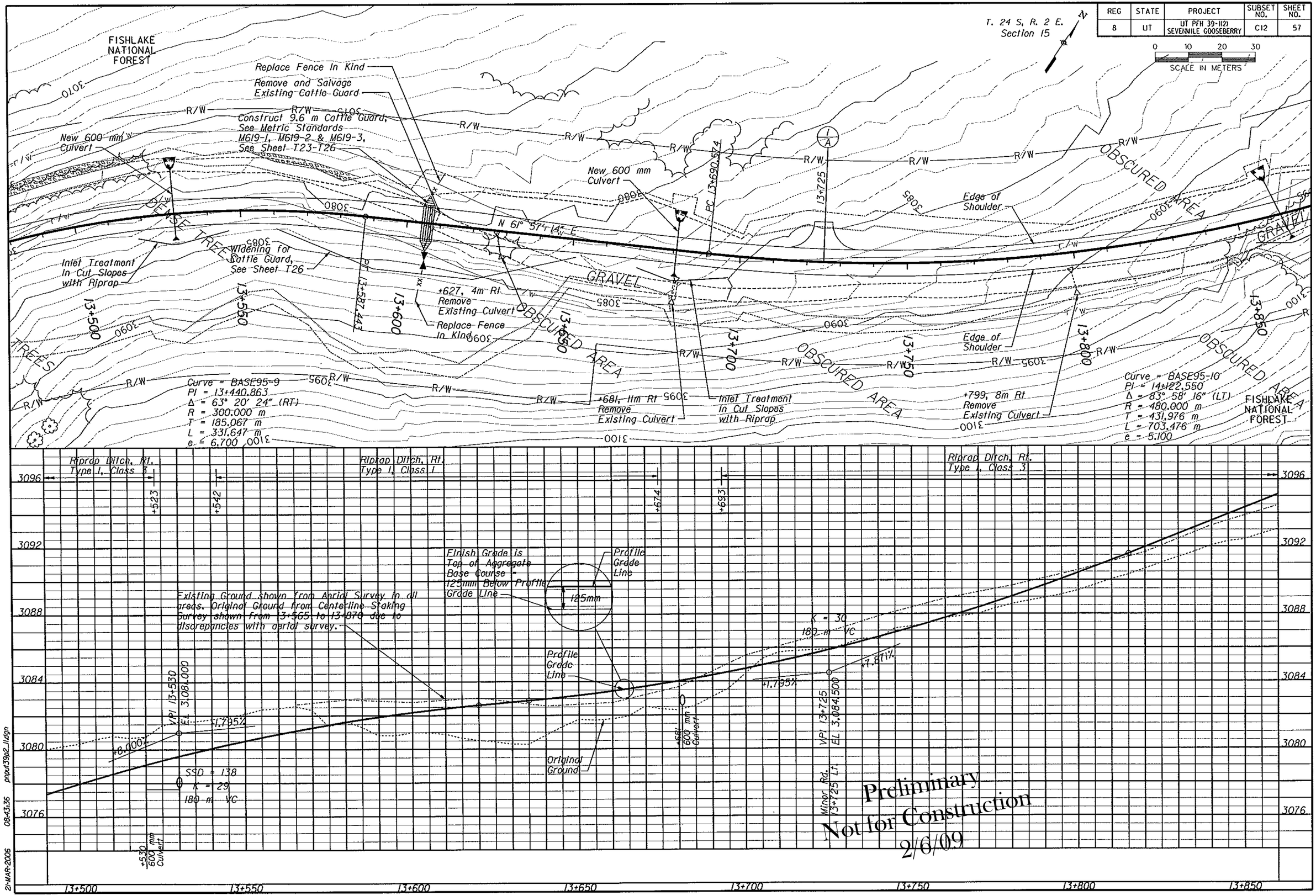
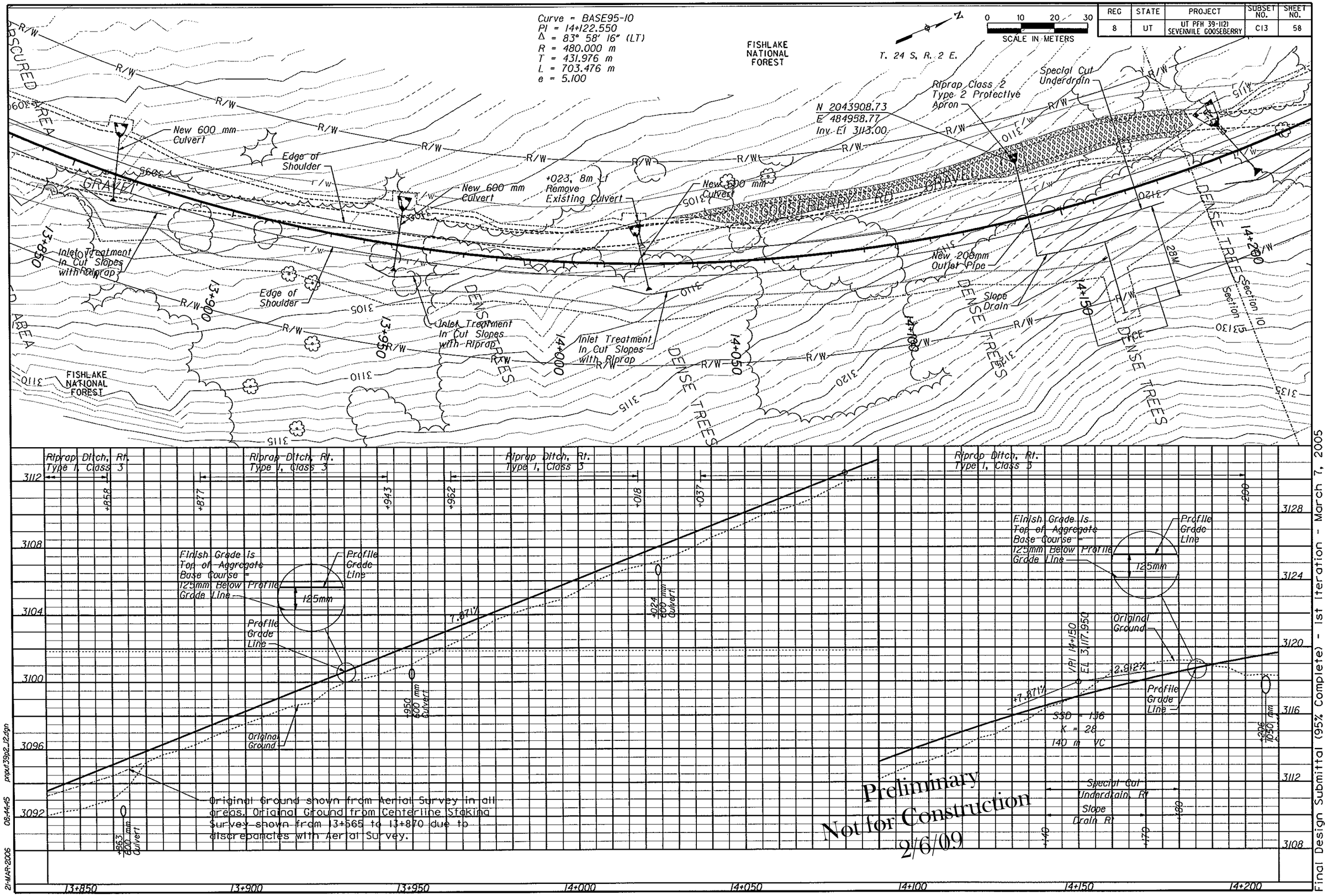
REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C12	57



Preliminary
Not for Construction
2/6/09

2-MAR-2006 08:43:35 pgpd39p2_lidgo

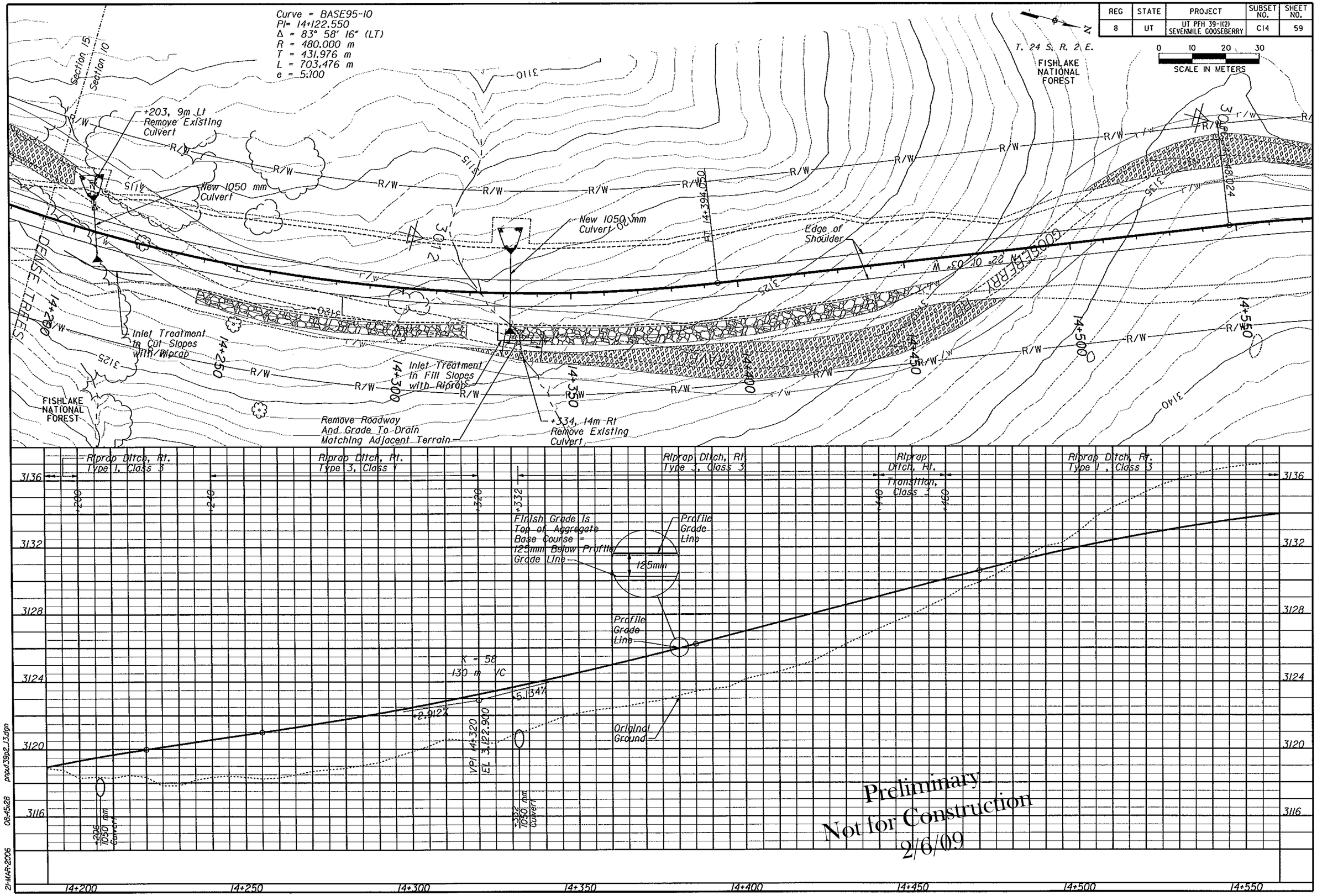
REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C13	58



Final Design Submittal (95% Complete) - 1st Iteration - March 7, 2005

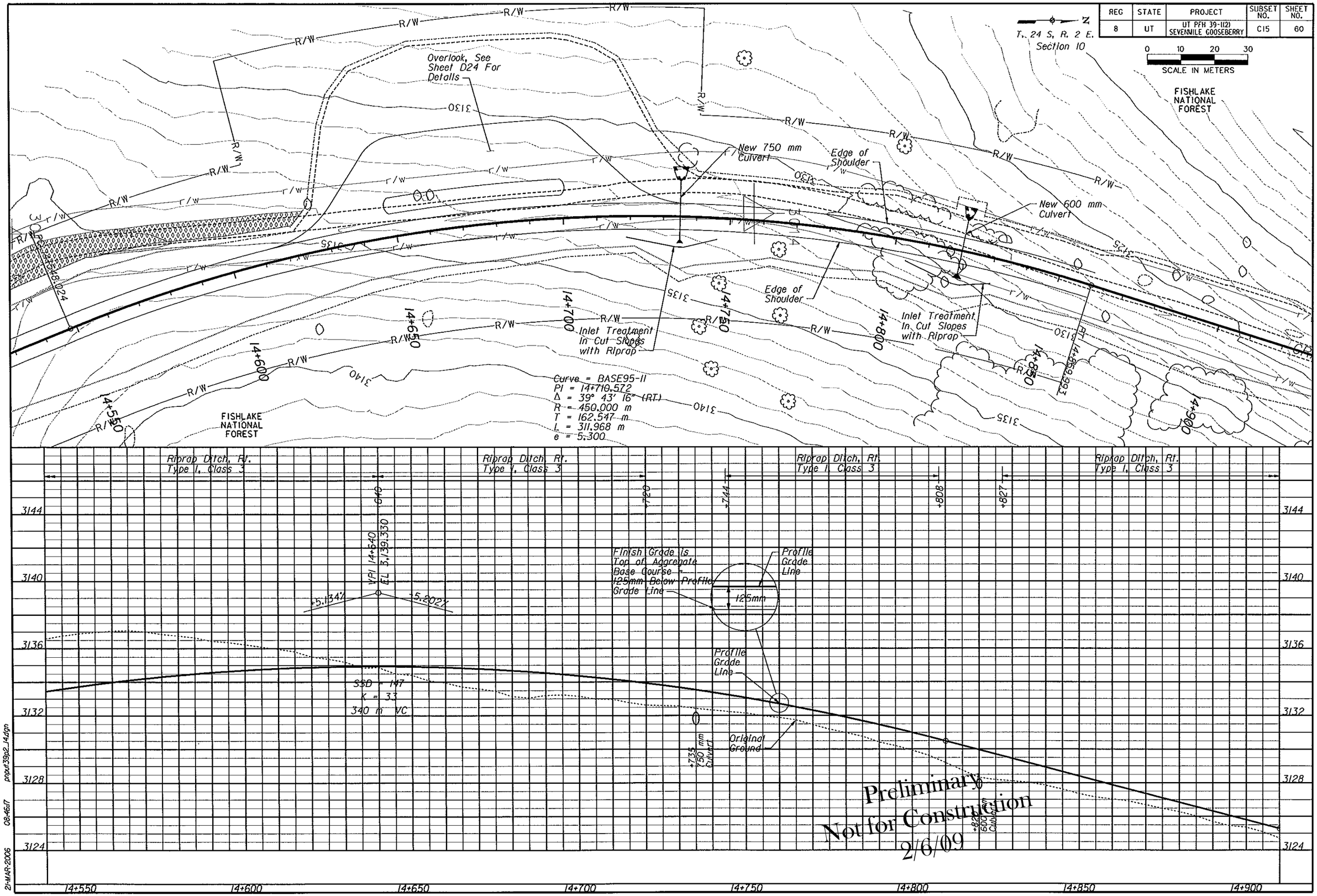
21-MAR-2006 08:44:45 pxput39p2_12.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C14	59



Preliminary
Not for Construction
2/6/09

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C15	60

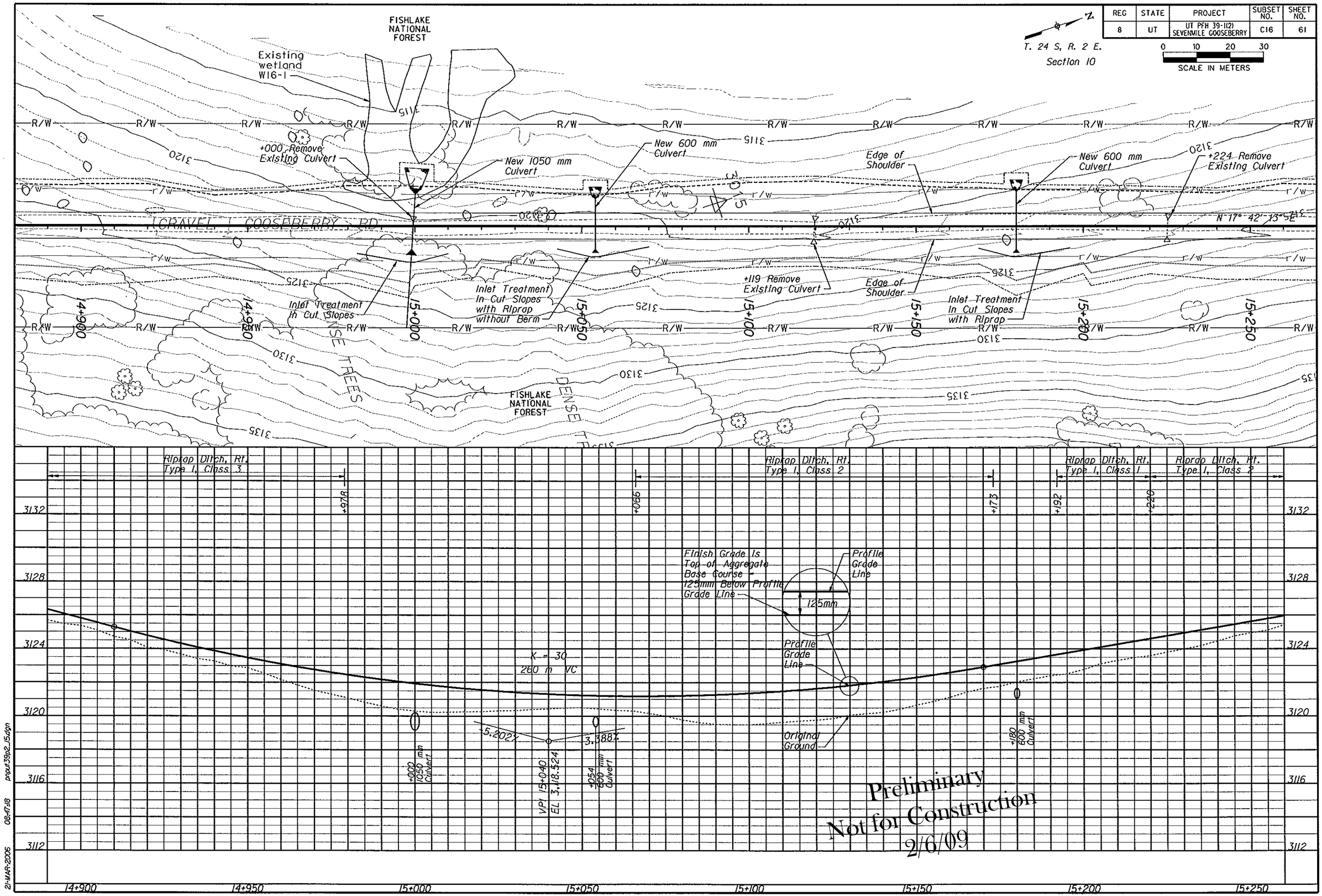


pput39p2_14.dgn 08:45:17 21-MAR-2006

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C16	61

T. 24 S, R. 2 E.
Section 10

0 10 20 30
SCALE IN METERS



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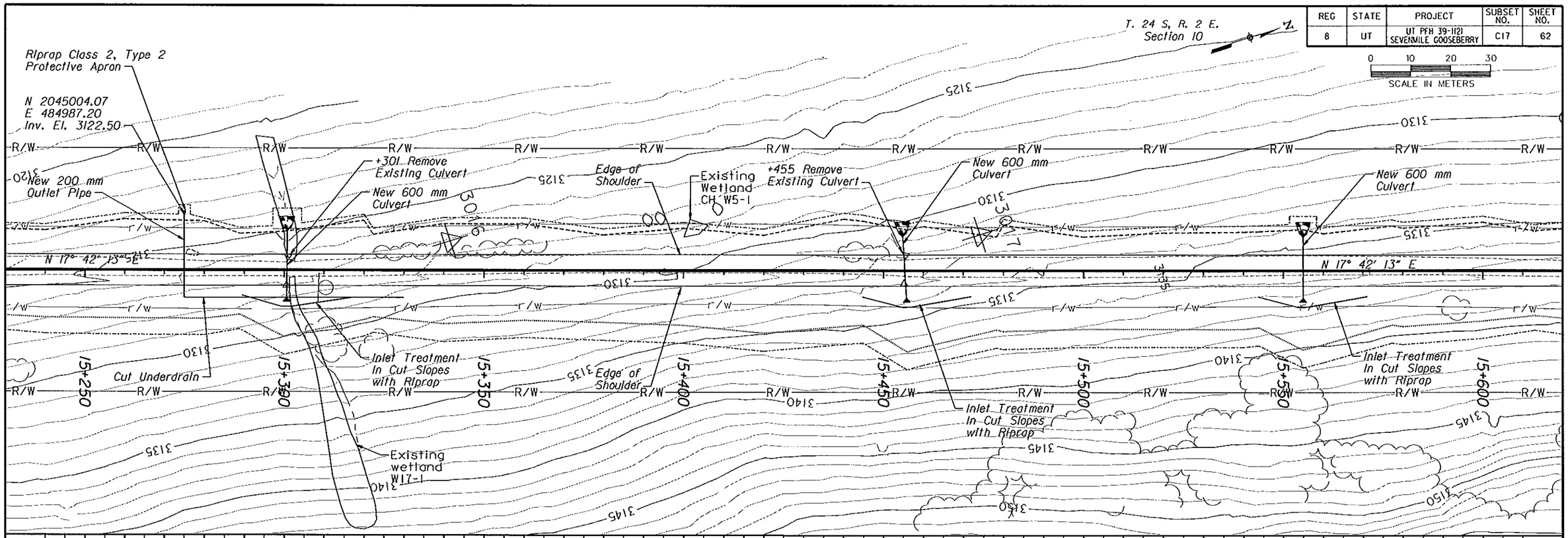
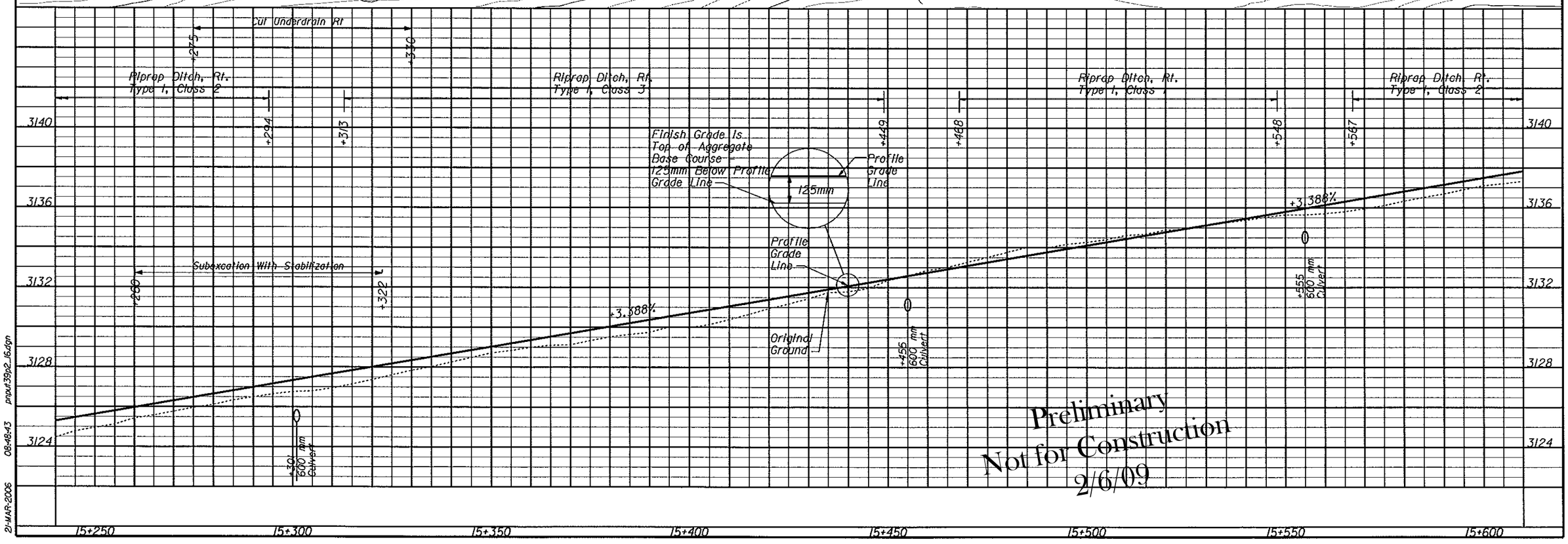
REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	C17	62

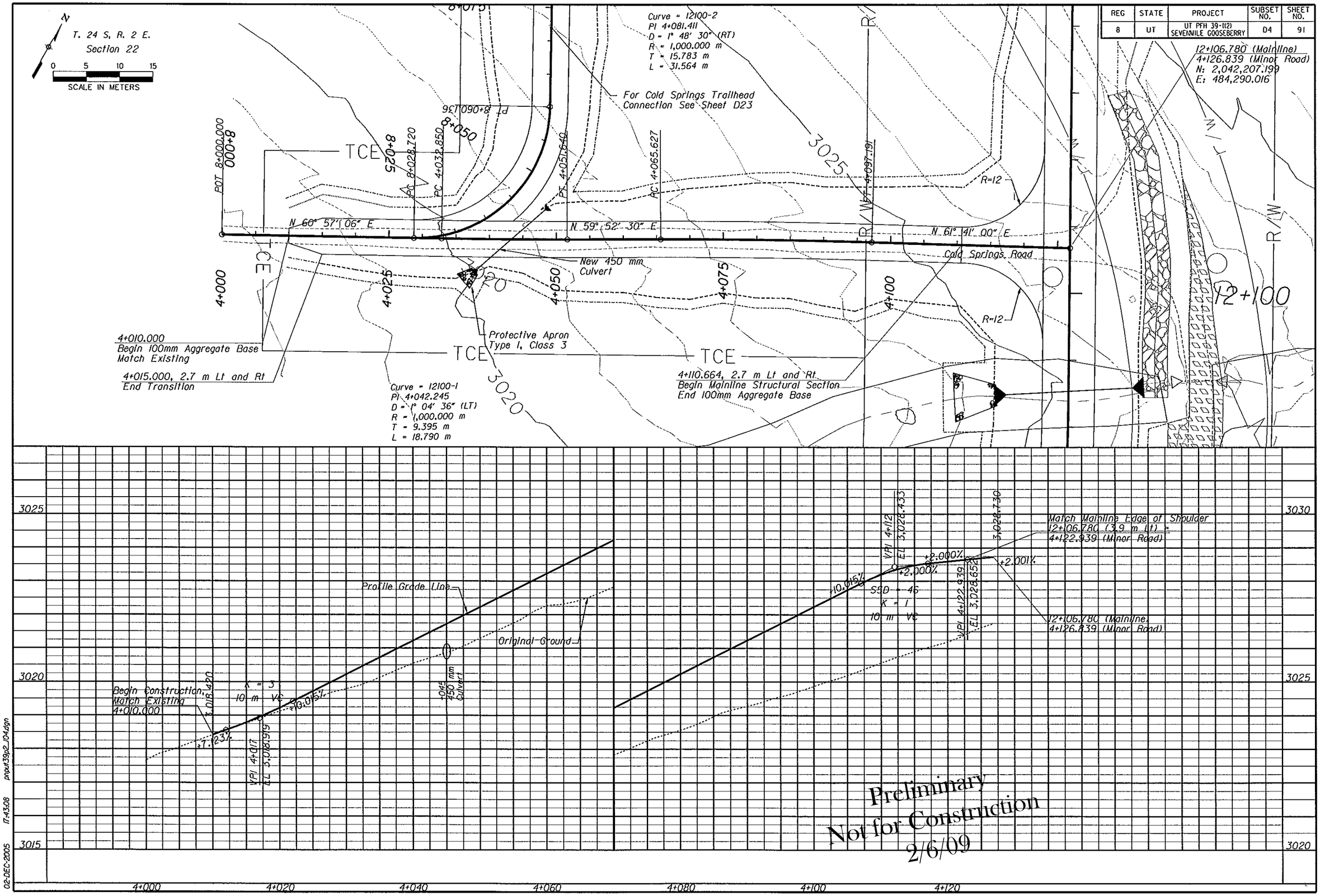




Preliminary
Not for Construction
2/6/09

pnput39p2_16.dgn 08:48:43 21-MAR-2006

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	D4	91



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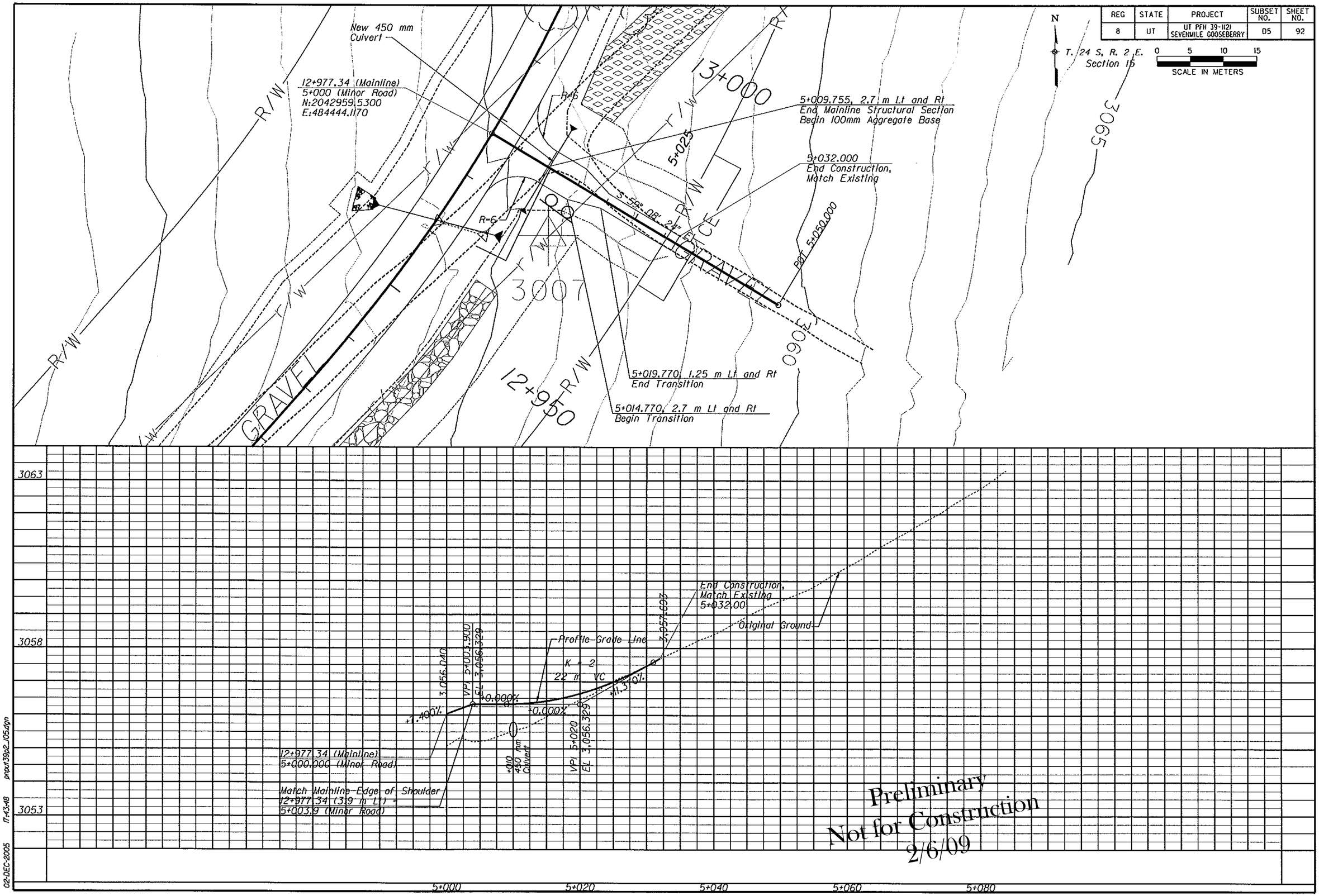
REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	05	92



Preliminary
Not for Construction
2/6/09

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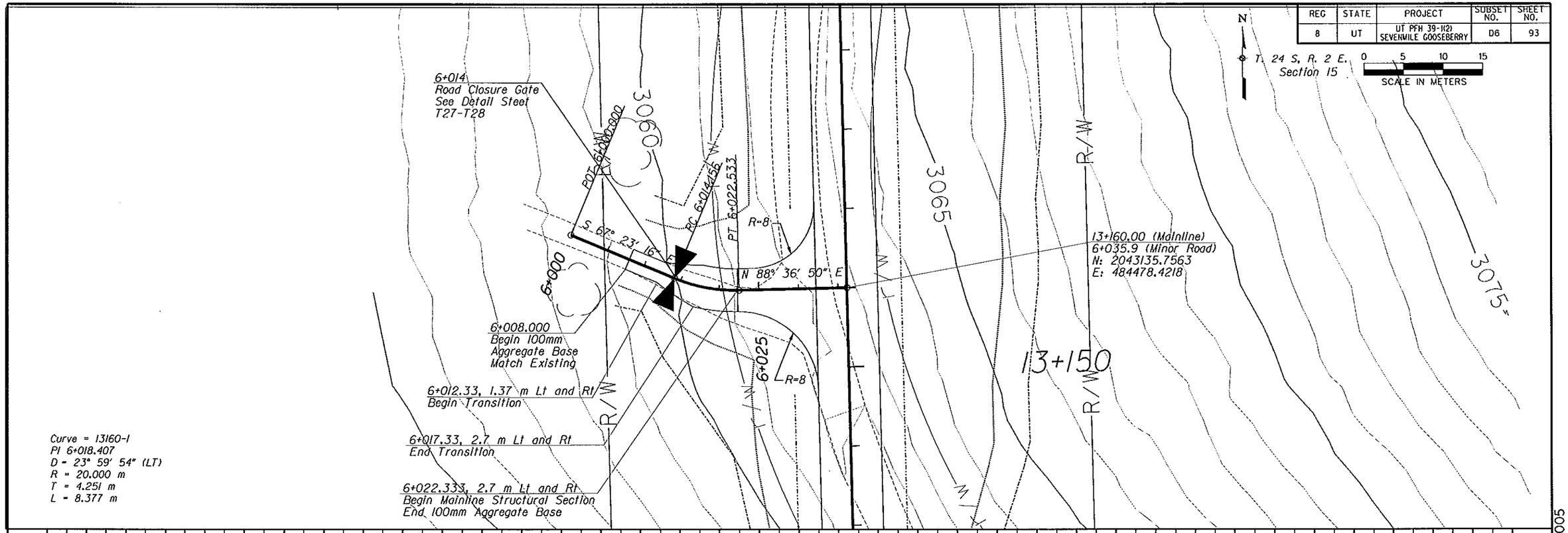
REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	D6	93



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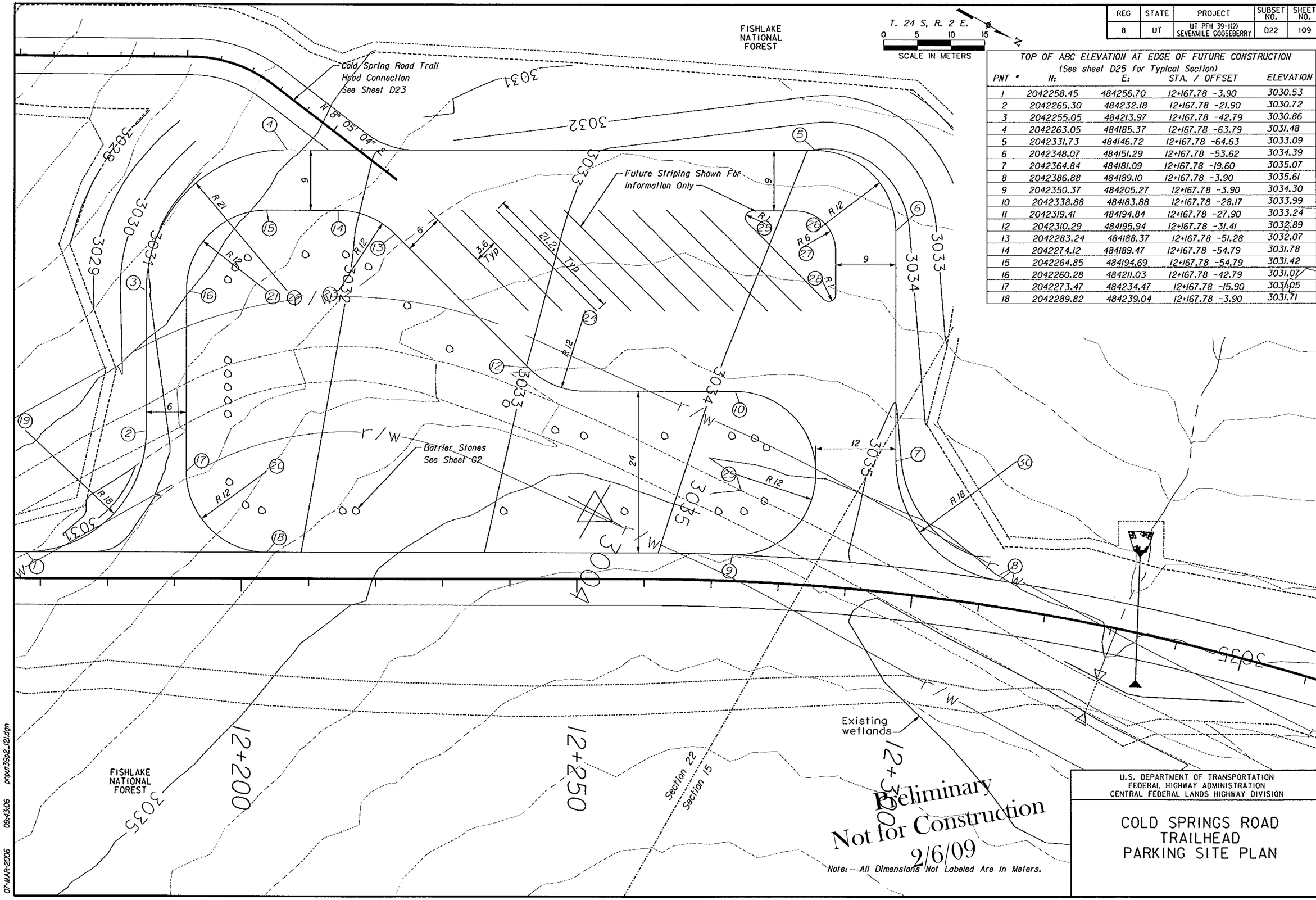
Final Design Submittal (95% Complete) - 1st Iteration - March 7, 2005

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	D22	109



TOP OF ABC ELEVATION AT EDGE OF FUTURE CONSTRUCTION
(See sheet D25 for Typical Section)

PNT #	N:	E:	STA. / OFFSET	ELEVATION
1	2042258.45	484256.70	12+167.78 -3.90	3030.53
2	2042265.30	484232.18	12+167.78 -21.90	3030.72
3	2042255.05	484213.97	12+167.78 -42.79	3030.86
4	2042263.05	484185.37	12+167.78 -63.79	3031.48
5	2042331.73	484146.72	12+167.78 -64.63	3033.09
6	2042348.07	484151.29	12+167.78 -53.62	3034.39
7	2042364.84	484181.09	12+167.78 -19.60	3035.07
8	2042386.88	484189.10	12+167.78 -3.90	3035.61
9	2042350.37	484205.27	12+167.78 -3.90	3034.30
10	2042338.88	484183.88	12+167.78 -28.17	3033.99
11	2042319.41	484194.84	12+167.78 -27.90	3033.24
12	2042310.29	484195.94	12+167.78 -31.41	3032.89
13	2042283.24	484188.37	12+167.78 -51.28	3032.07
14	2042274.12	484189.47	12+167.78 -54.79	3031.78
15	2042264.85	484194.69	12+167.78 -54.79	3031.42
16	2042260.28	484211.03	12+167.78 -42.79	3031.07
17	2042273.47	484234.47	12+167.78 -15.90	3031.05
18	2042289.82	484239.04	12+167.78 -3.90	3031.71

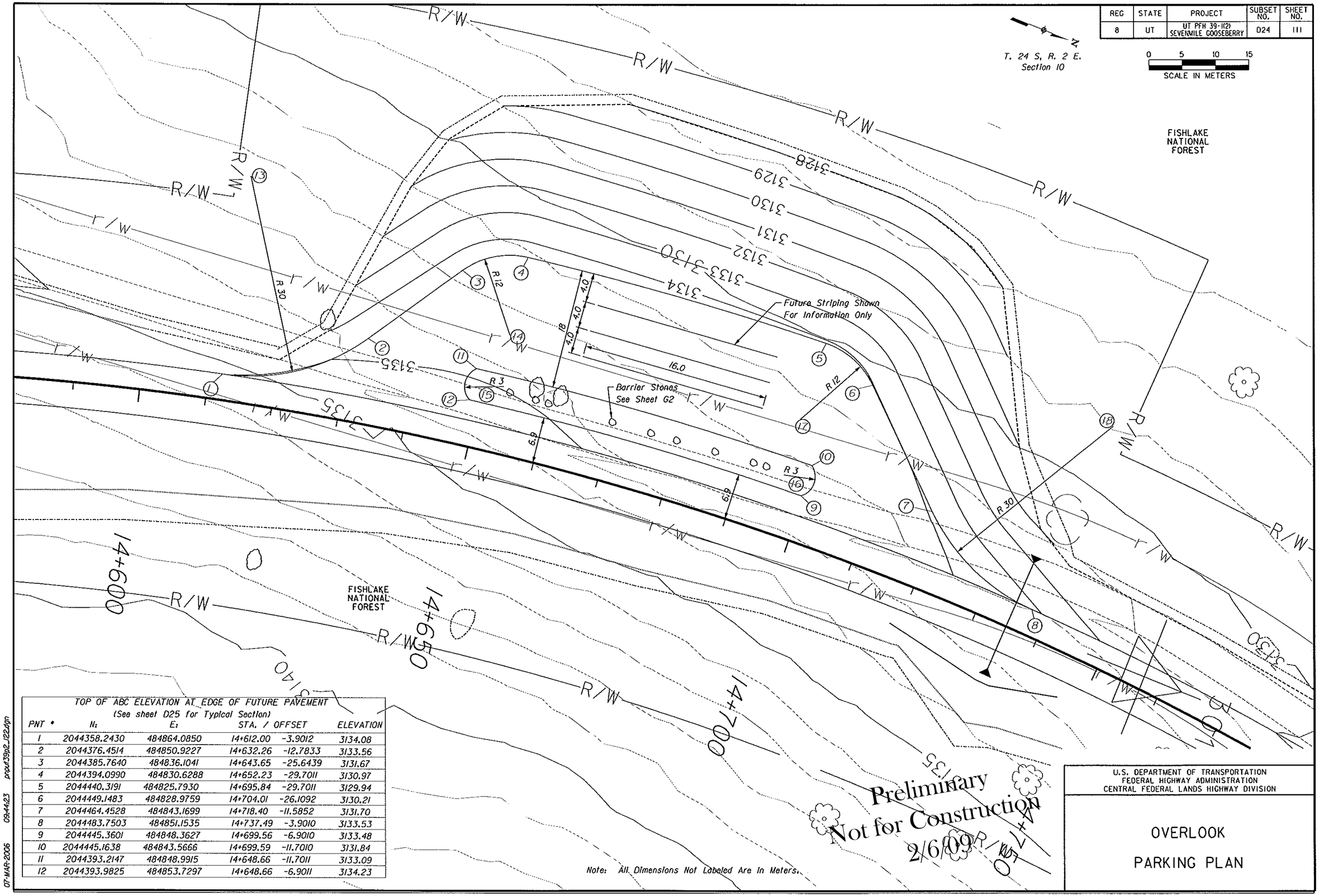
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

COLD SPRINGS ROAD TRAILHEAD PARKING SITE PLAN

07-MAR-2006 09:43:06 pnput39p2_12i.dgn

Final Design Submittal (95% Complete) - Internal QC - November 23, 2004

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	D24	111



TOP OF ABC ELEVATION AT EDGE OF FUTURE PAVEMENT
(See sheet D25 for Typical Section)

PNT #	N:	E:	STA. / OFFSET		ELEVATION
1	2044358.2430	484864.0850	14+612.00	-3.9012	3134.08
2	2044376.4514	484850.9227	14+632.26	-12.7833	3133.56
3	2044385.7640	484836.1041	14+643.65	-25.6439	3131.67
4	2044394.0990	484830.6288	14+652.23	-29.7011	3130.97
5	2044440.3191	484825.7930	14+695.84	-29.7011	3129.94
6	2044449.1483	484828.9759	14+704.01	-26.1092	3130.21
7	2044464.4528	484843.1699	14+718.40	-11.5852	3131.70
8	2044483.7503	484851.1535	14+737.49	-3.9010	3133.53
9	2044445.3601	484848.3627	14+699.56	-6.9010	3133.48
10	2044445.1638	484843.5666	14+699.59	-11.7010	3131.84
11	2044393.2147	484848.9915	14+648.66	-11.7011	3133.09
12	2044393.9825	484853.7297	14+648.66	-6.9011	3134.23

Note: All Dimensions Not Labeled Are In Meters.

U.S. DEPARTMENT OF TRANSPORTATION
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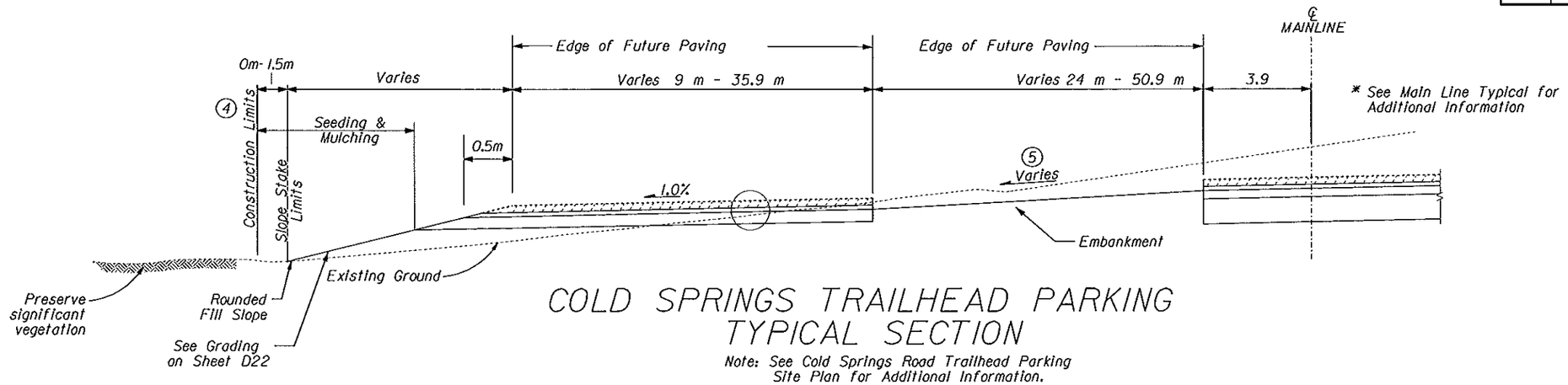
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

OVERLOOK PARKING PLAN

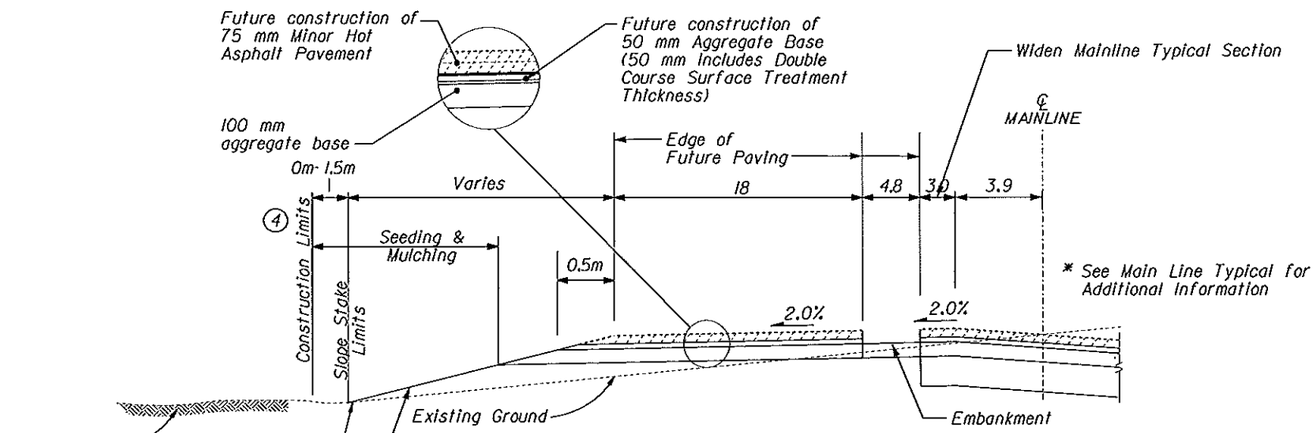
07-MAR-2006 09:44:23 prpu139p2_122.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	D25	112



COLD SPRINGS TRAILHEAD PARKING TYPICAL SECTION

Note: See Cold Springs Road Trailhead Parking Site Plan for Additional Information.



OVERLOOK PARKING TYPICAL SECTION

Note: See Overlook Parking Plan for Additional Information.

GENERAL NOTES

1. Dimensions are in millimeters unless otherwise noted.
2. Construction limits will be staked by the contractor and approved by the contracting officer (CO). Limits may be adjusted to preserve significant vegetation. No clearing will be allowed until construction limits are staked and approved. Maintain construction limit stakes for duration of contract.
3. 75 mm of Superpave Asphalt Concrete Pavement and 50mm of Aggregate Base shown for future construction. Top of aggragate base shall be finish grade and shall be 125 mm below Profile Grade.
4. Cut and fill slopes may vary as staked by the CO or as provided in the construction staking notes.
5. Varies - See Grading on Sheets D22.

Preliminary
Not for Construction
2/6/09

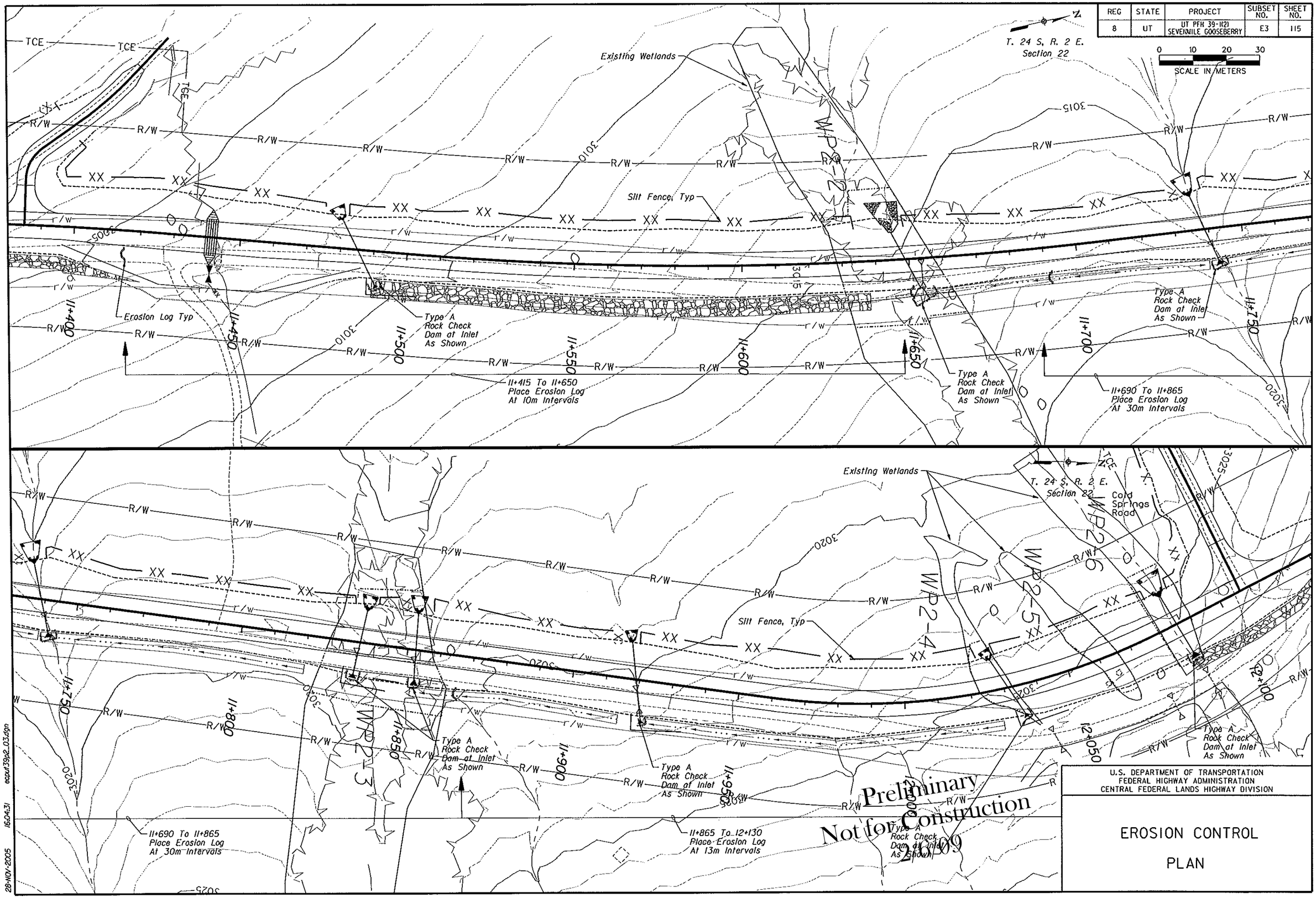
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

PARKING AREA

SECTIONS

04-JAN-2006 14:19:38 pput39p2_124.dgn

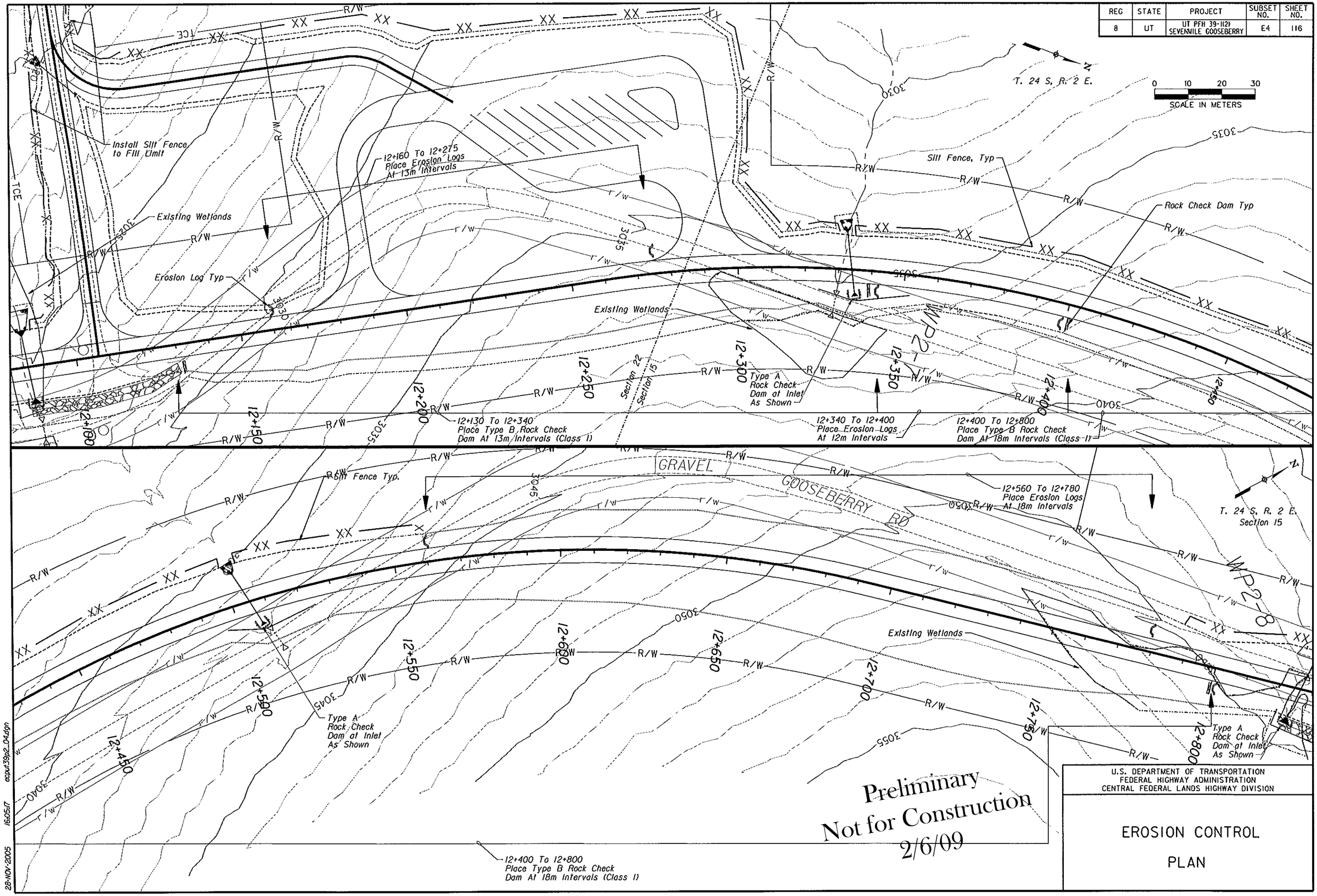
REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	E3	115



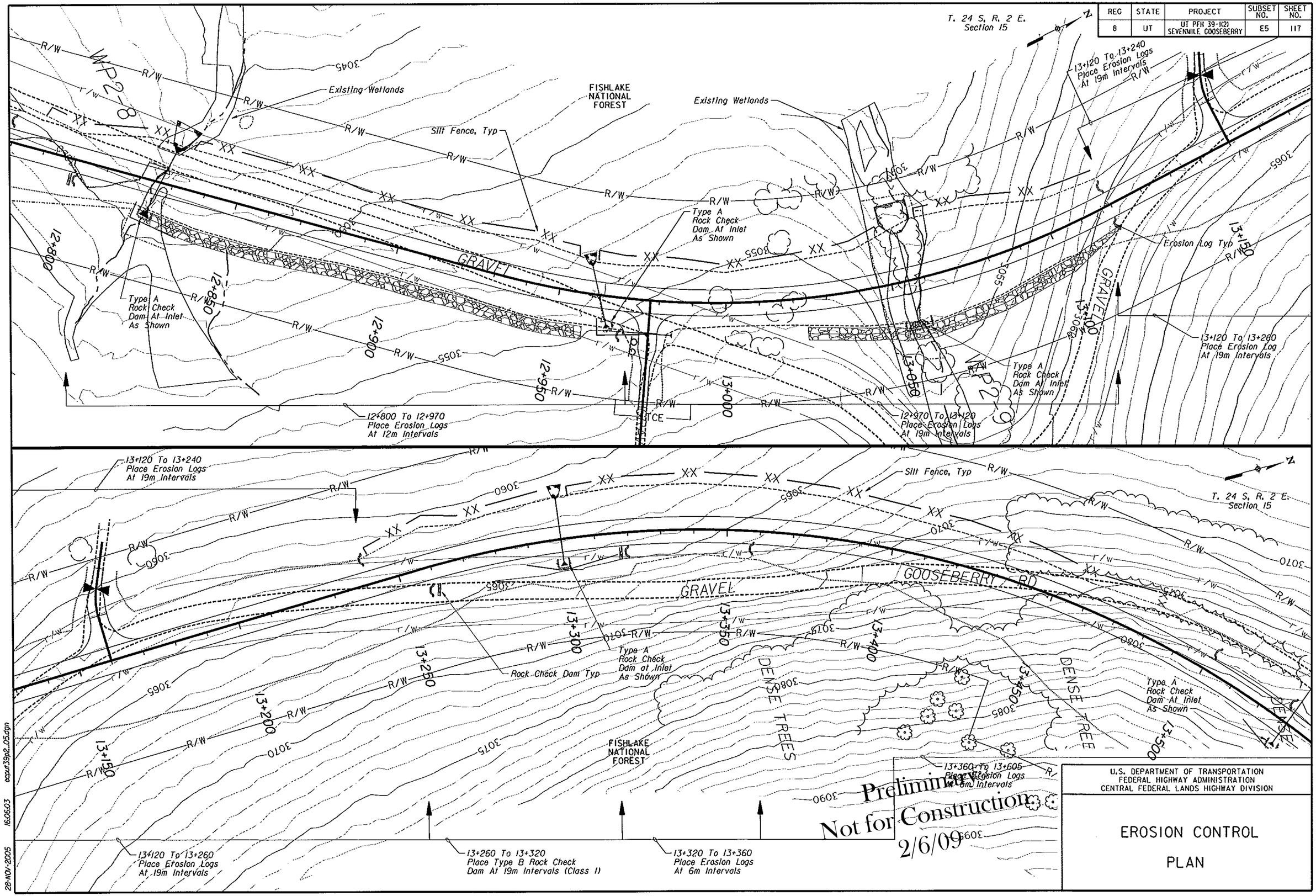
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

EROSION CONTROL PLAN

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	E4	116



REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	E5	117



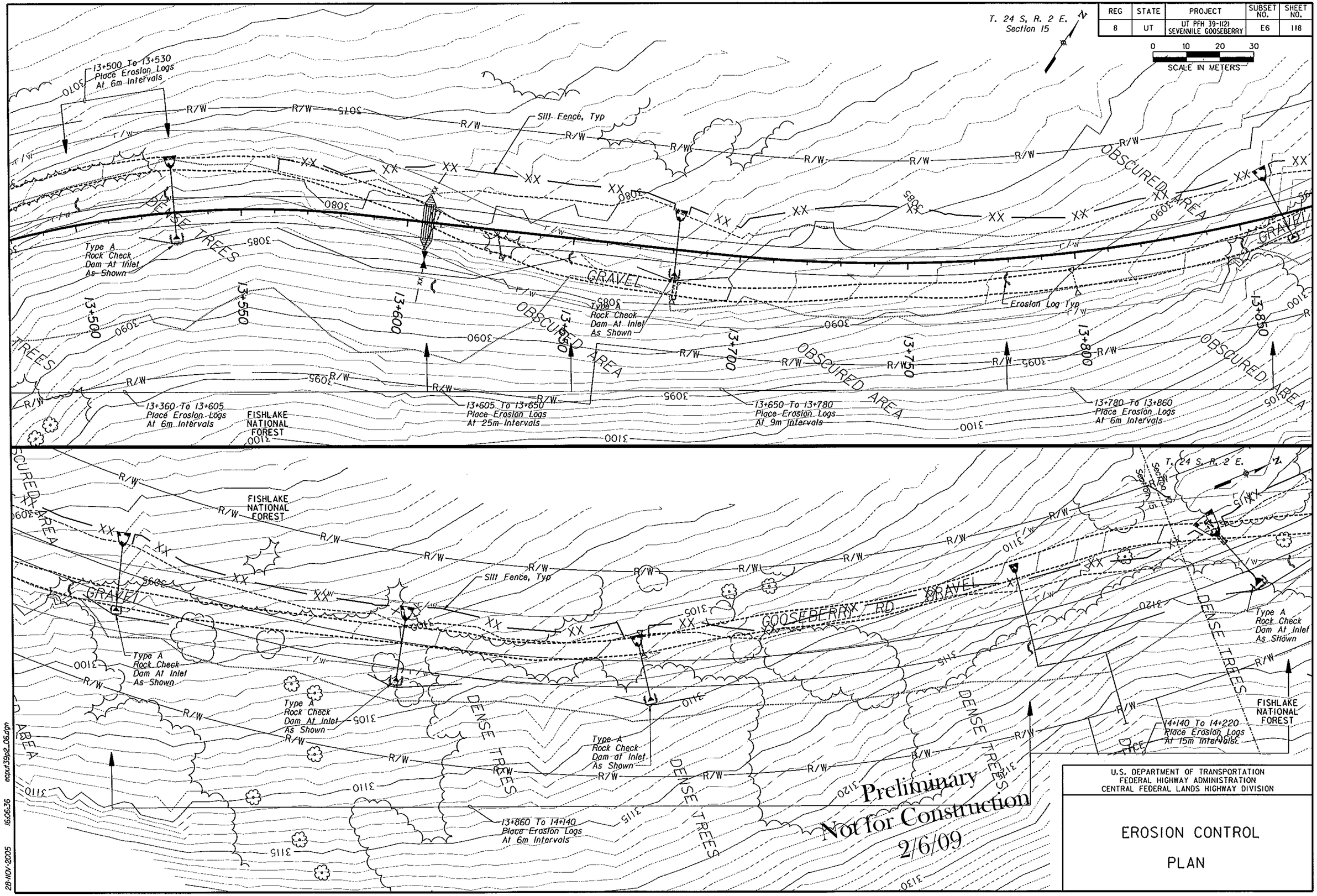
Preliminary
Not for Construction
2/6/09

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

EROSION CONTROL PLAN

28-NOV-2005 16:06:03 ecpur39p2_05.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	E6	118

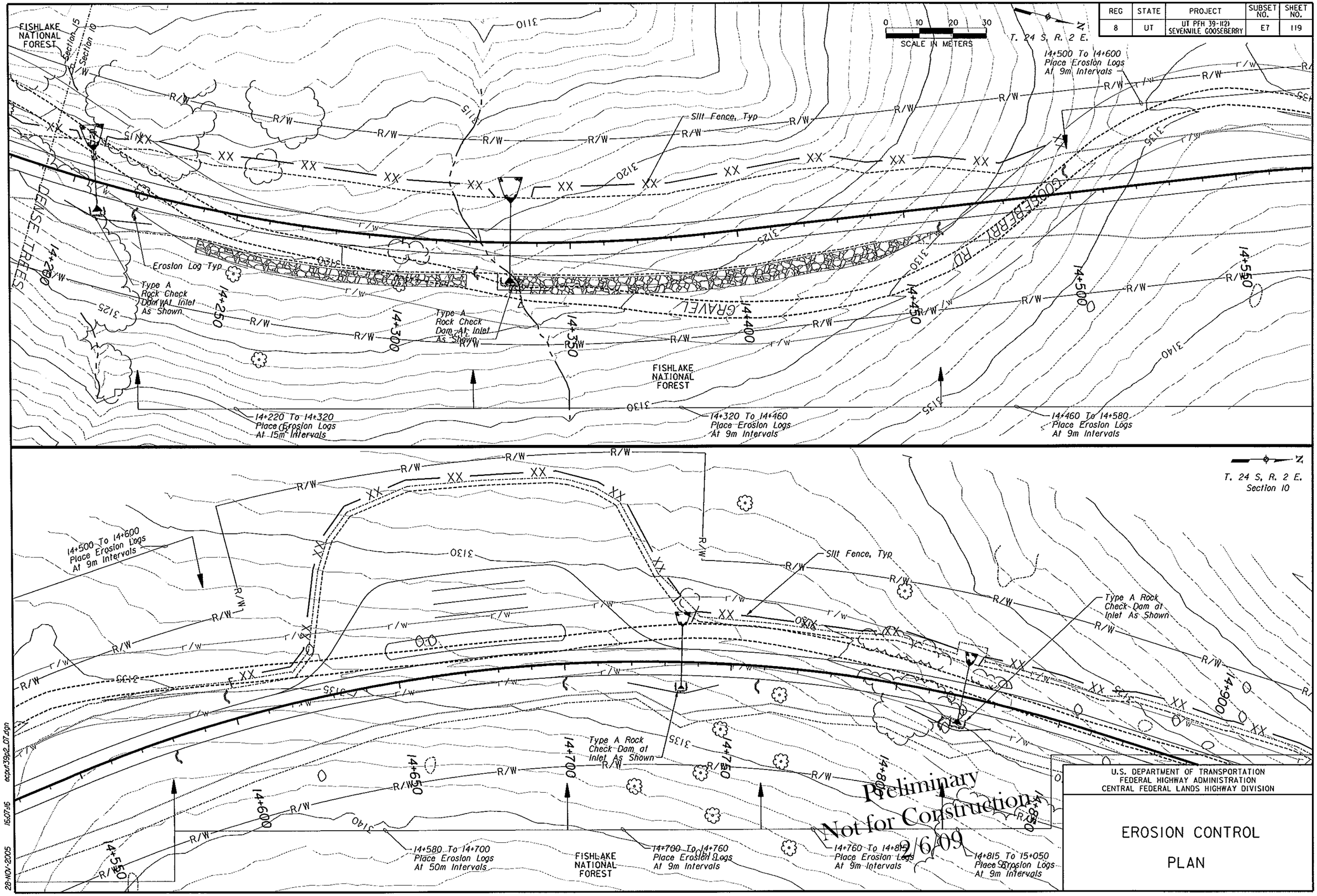


U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

EROSION CONTROL PLAN

28-NOV-2005 16:06:36 ecpu139p2_06.dgn

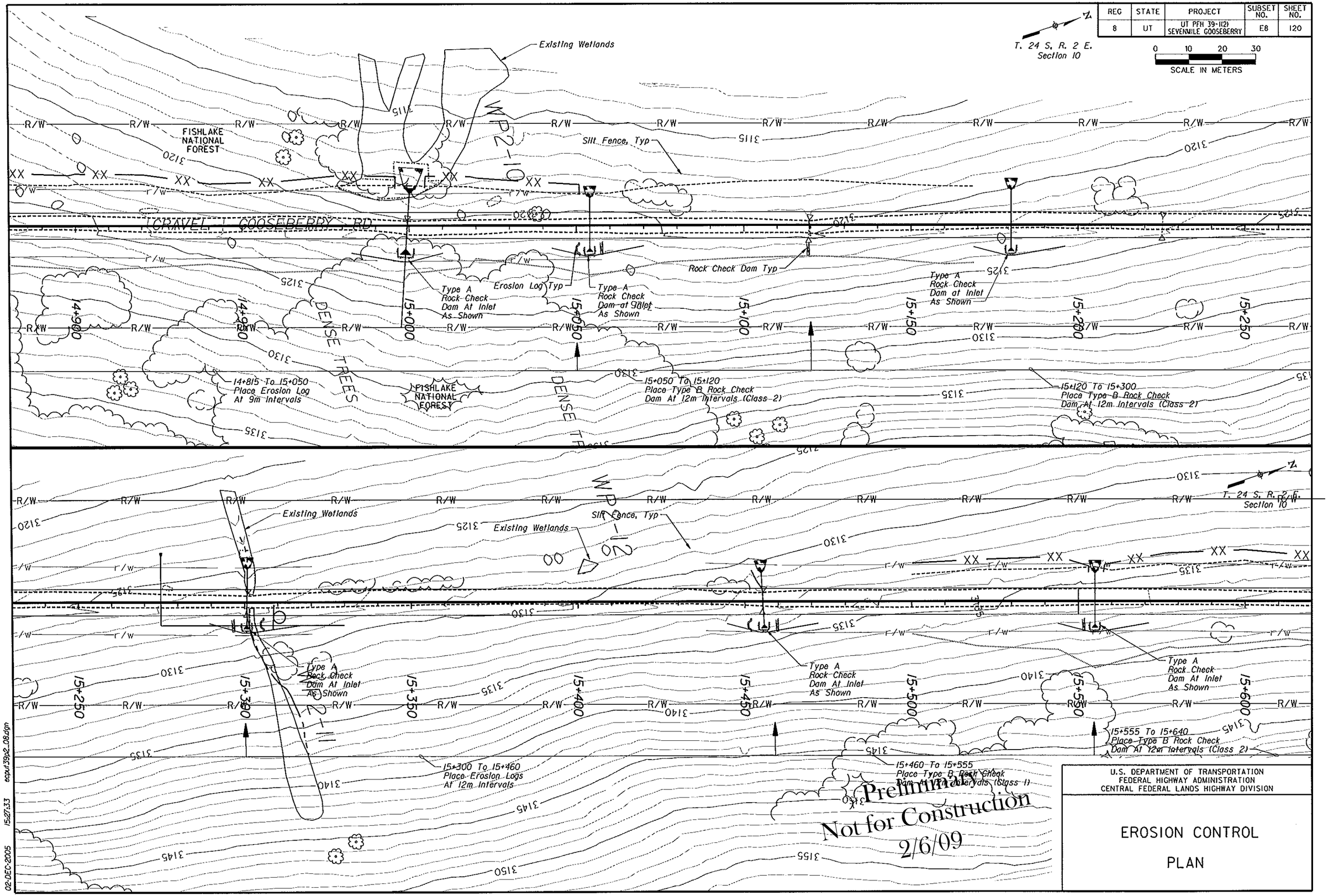
REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	E7	119



REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	E8	120

T. 24 S, R. 2 E.
Section 10

0 10 20 30
SCALE IN METERS

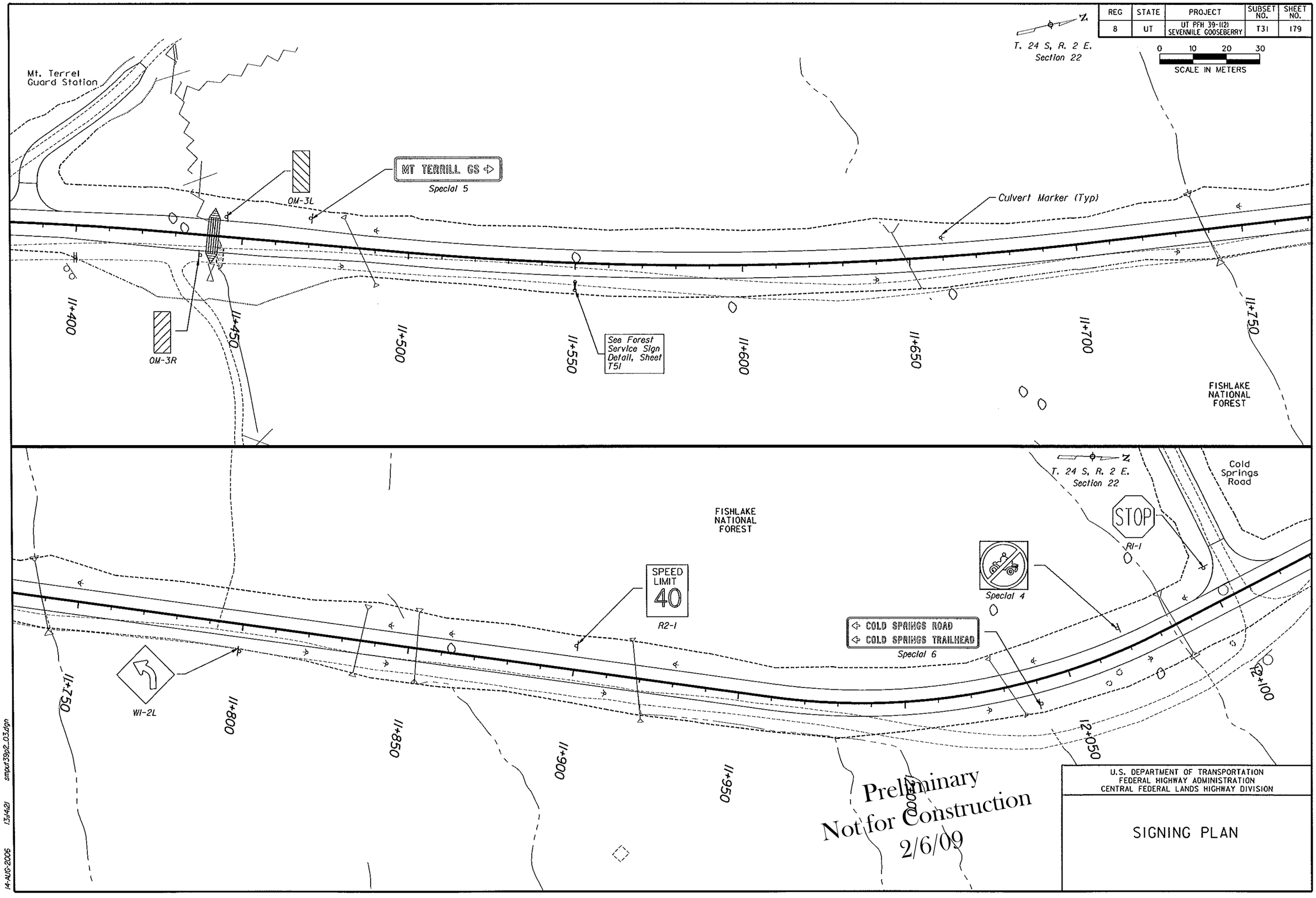


U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

EROSION CONTROL PLAN

02-DEC-2005 15:27:33 ecpu139p2_08.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	T31	179

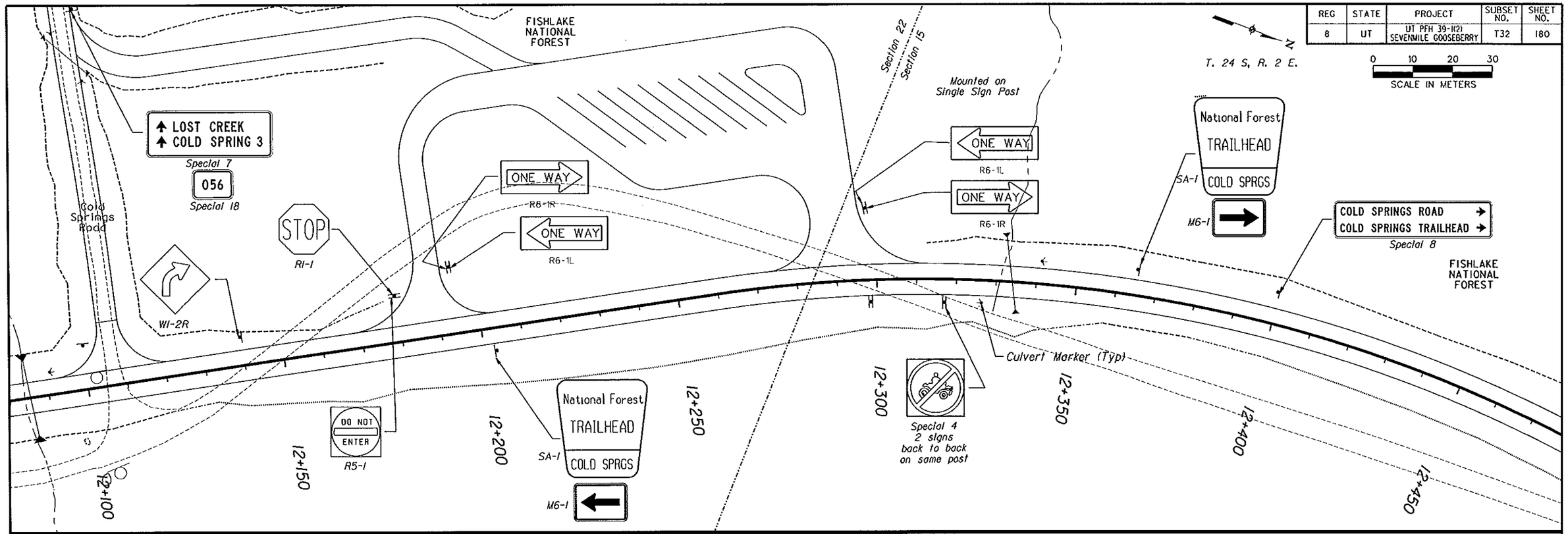


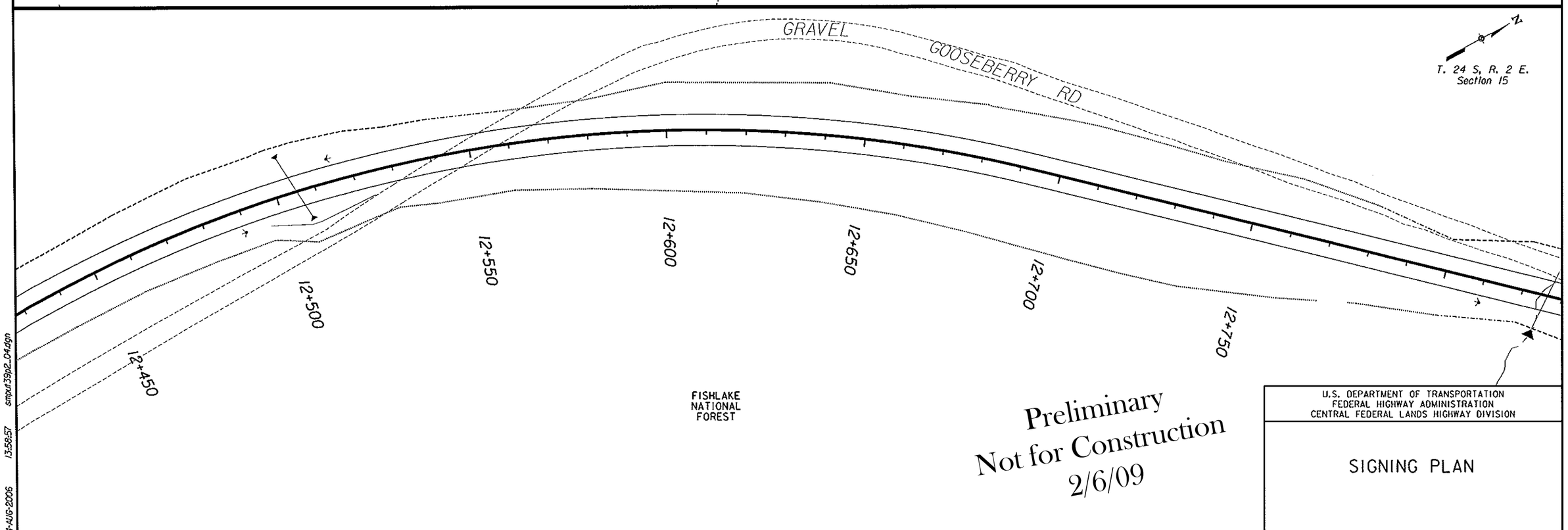
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SIGNING PLAN

14-AUG-2006 13:14:21 smput39p2_03.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	T32	180





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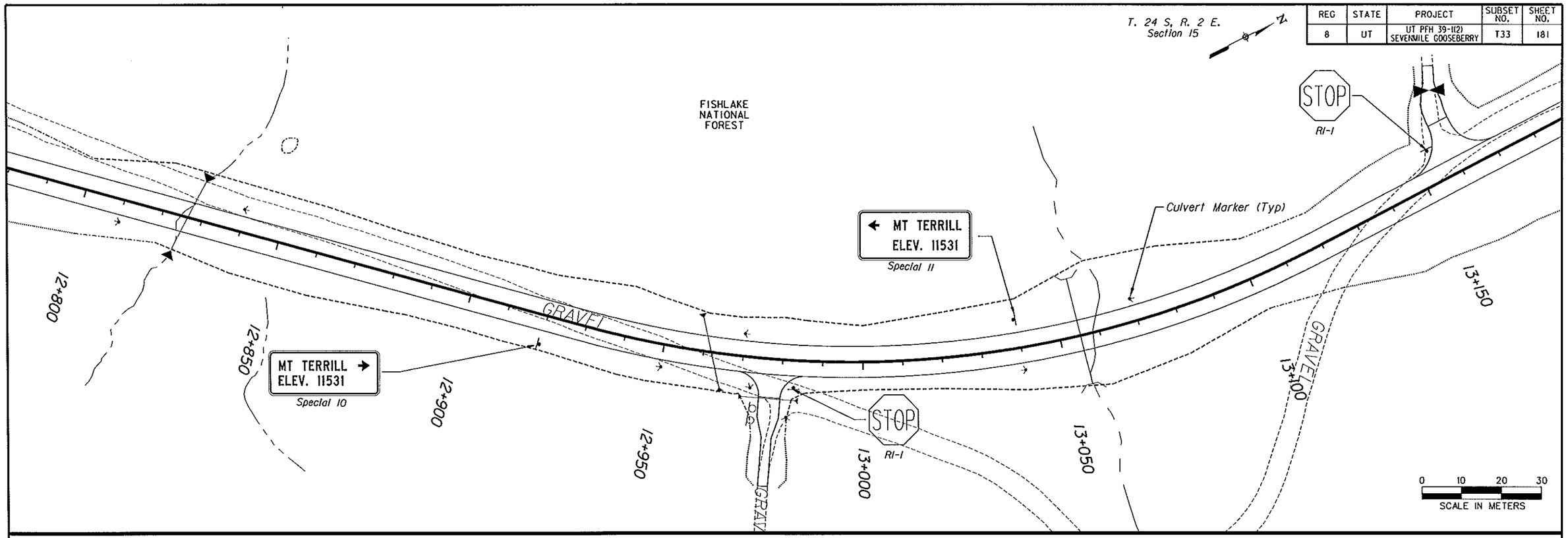
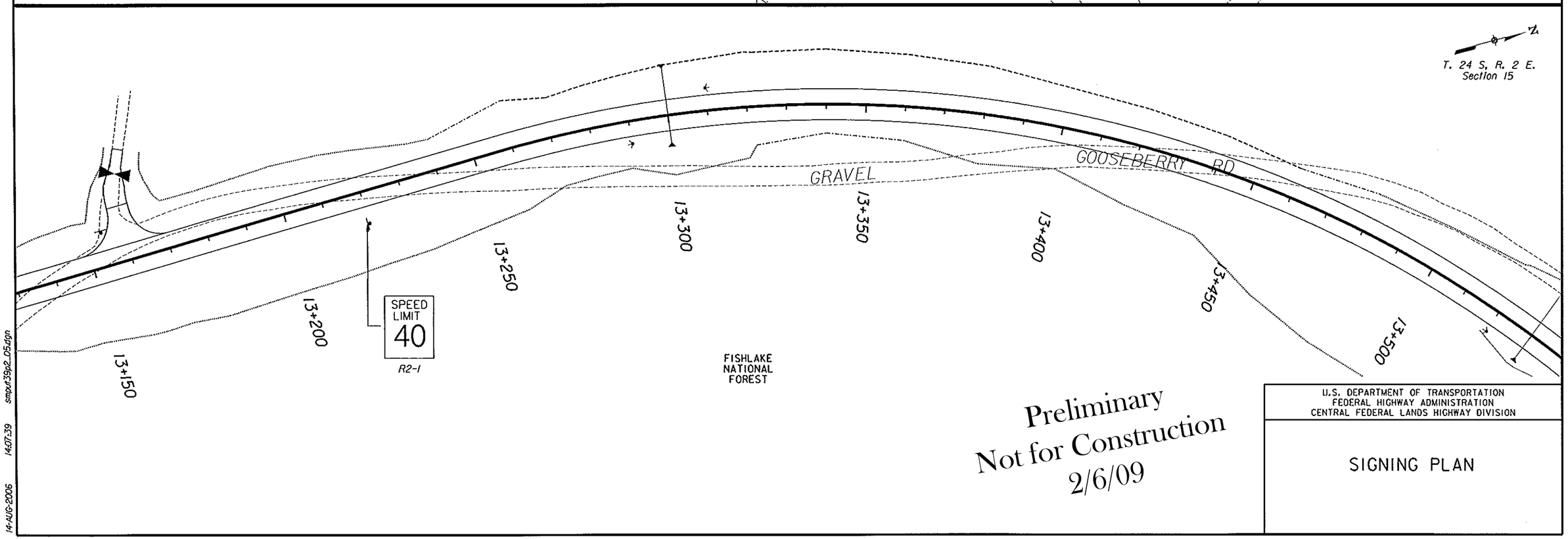
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SIGNING PLAN

14-AUG-2006 13:58:57 smput39p2_04.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	T33	181





Preliminary
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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SIGNING PLAN

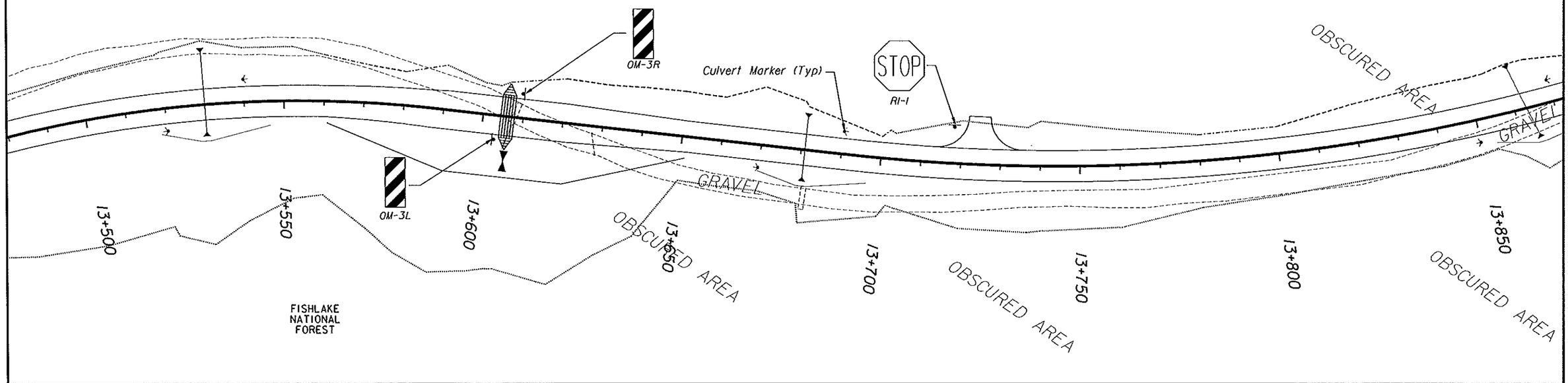
14-AUG-2006 14:07:39 smpu139p2_05.dgn

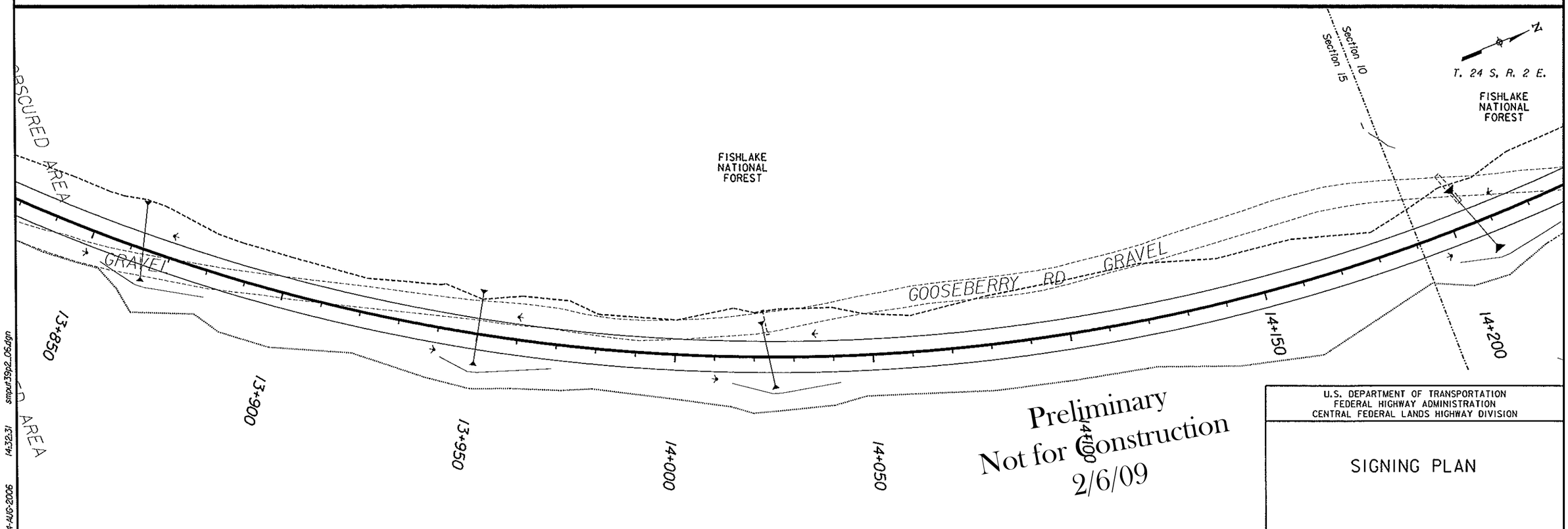
REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	T34	182

T. 24 S, R. 2 E.
Section 15

N

0 10 20 30
SCALE IN METERS





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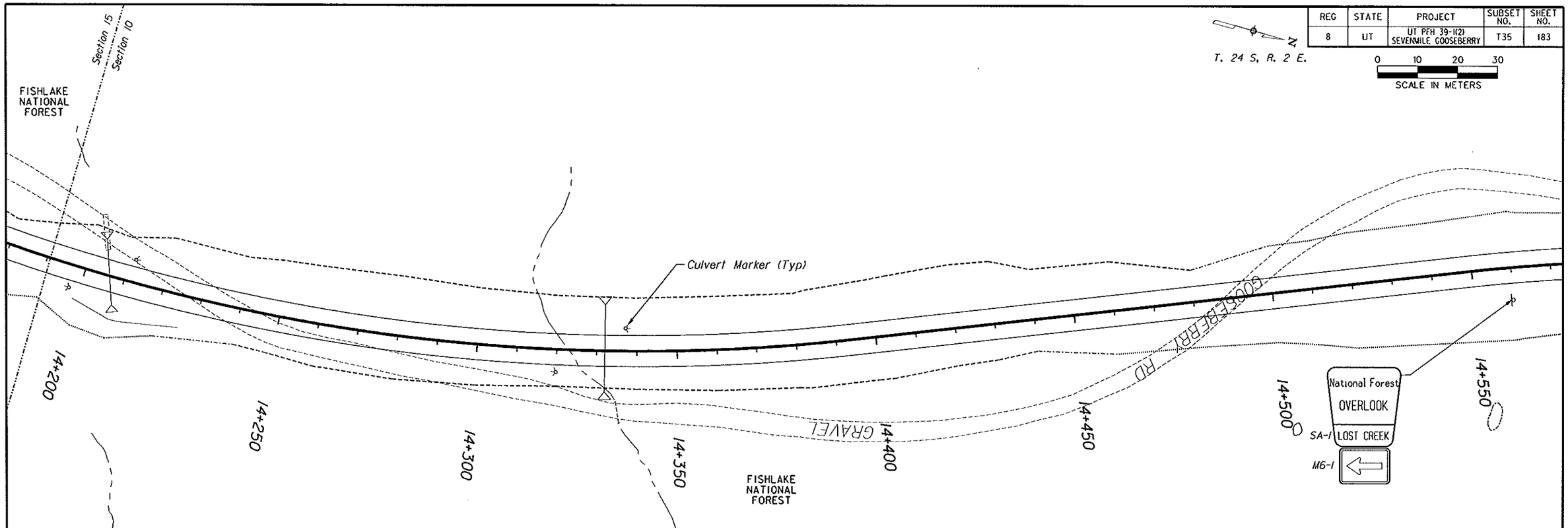
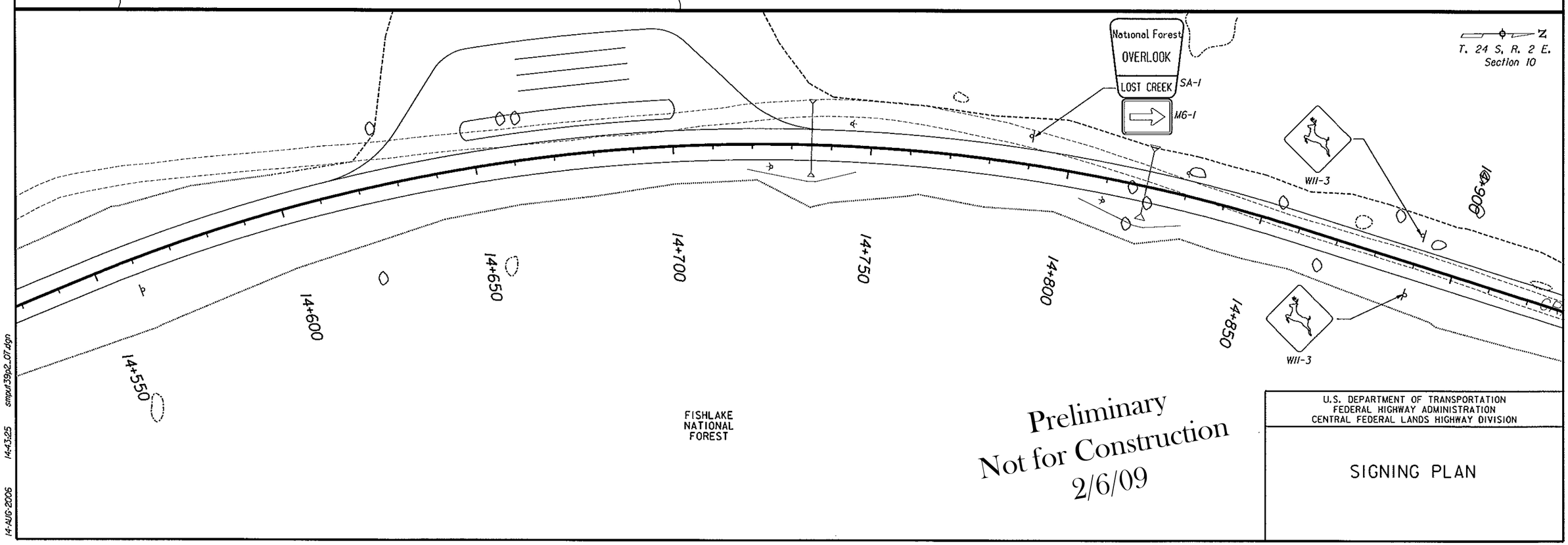
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SIGNING PLAN

14-AUG-2006 14:32:31 smpdf39p2_06.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	T35	183





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CENTRAL FEDERAL LANDS HIGHWAY DIVISION

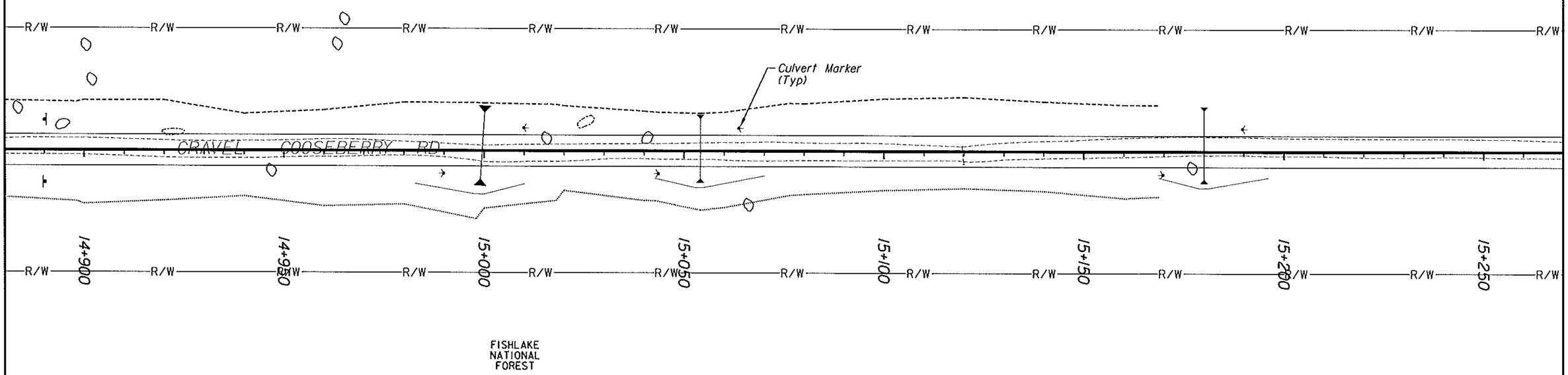
SIGNING PLAN

14-AUG-2006 14:43:25 smput39p2_0T.dgn

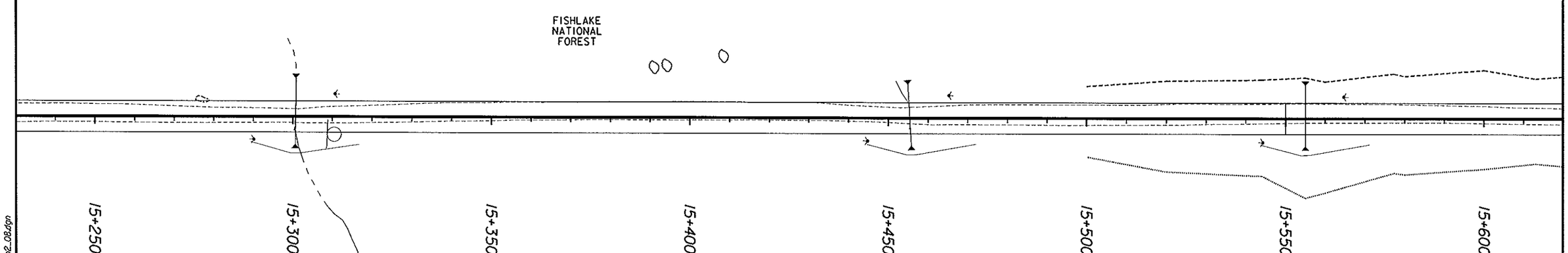
REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	T36	184

T. 24 S, R. 2 E.
Section 10

0 10 20 30
SCALE IN METERS



T. 24 S, R. 2 E.
Section 10



Preliminary
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2/6/09

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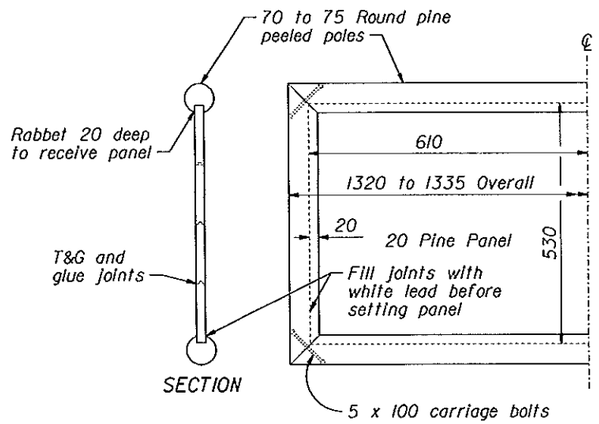
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

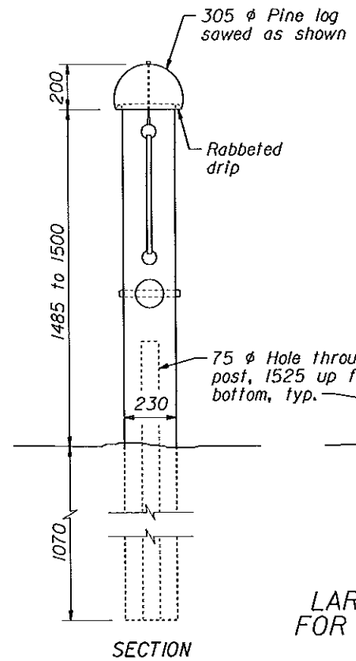
SIGNING PLAN

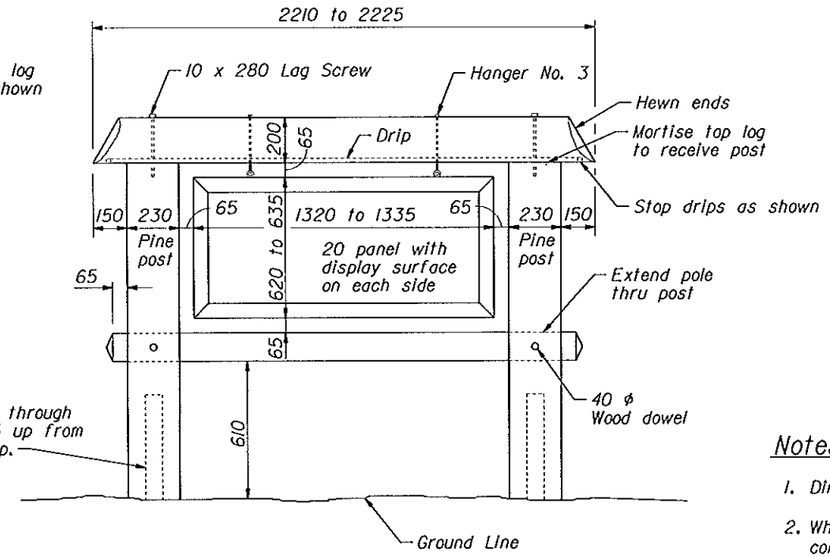
14-AUG-2006 14:56:06 smput39p2_08.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-(2) SEVENMILE GOOSEBERRY	T51	199



DISPLAY BOARD

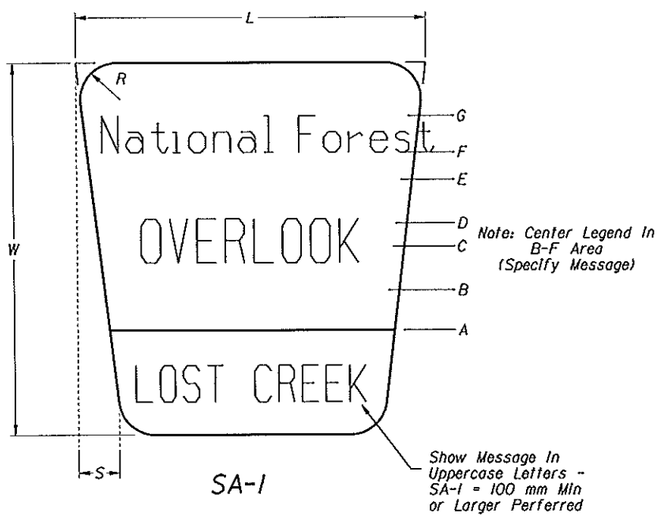




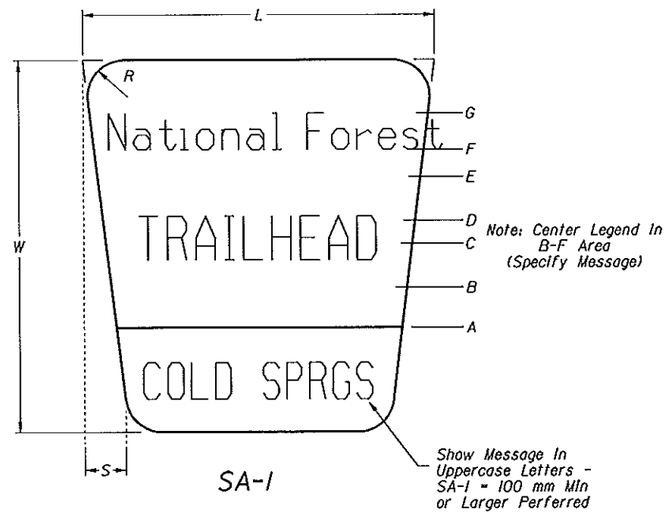
LARGE RUSTIC POSTER OR SIGN MOUNT
FOR INTERCHANGEABLE MESSAGE PANELS
FOREST SERVICE SIGN

Notes:

1. Dimensions not labeled are in millimeters.
2. When the contract does not provide for the construction of the ultimate pavement, allow for the thickness of base and pavement to be placed later when establishing the elevation or the traffic delineators.
3. Funish hardware in the metric sizes shown. Equivalent imperial sizes may be used when metric sizes are not available.



SA-1



SA-1

Sign	Panel Dimensions (mm)				Layout Dimensions Measured from Bottom of Panel (mm)							Road Speed (kph)
	W	L	R	S	A	B	C	D	E	F	G	
SA-1	1020	970	100	125	285	395	515	580	700	775	875	Up to 65

REFLECTIVE COLORS
Bottom Reflective White on Reflective Brown
Top Reflective Brown on Reflective White

Sign	Panel Dimensions (mm)				Layout Dimensions Measured from Bottom of Panel (mm)							Road Speed (kph)
	W	L	R	S	A	B	C	D	E	F	G	
SA-1	1020	970	100	125	285	395	515	580	700	775	875	Up to 65

REFLECTIVE COLORS
Bottom Reflective White on Reflective Brown
Top Reflective Brown on Reflective White

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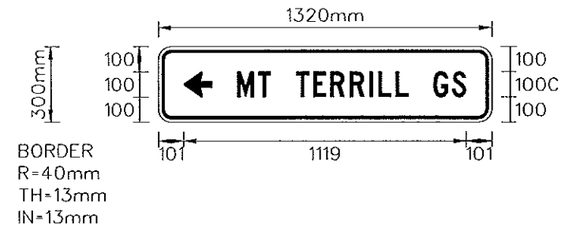
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

FISHLAKE NATIONAL FOREST
SPECIAL SIGN DETAILS

02-DEC-2005 16:28:03 smput39p2_62.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	T52	200



SIGN NUMBER	Special 2
WIDTH x HGHT.	1320mm x 300mm
BORDER WIDTH	13mm
CORNER RADIUS	40mm
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Brown
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
ARSHRT 180	101	100	100	112

Sta 11+300, Rt

Dimensions are in mm mm

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																	LENGTH	SERIES/SIZE
M	T		T	E	R	R	I	L	L		G	S						C
313	396	447	547	615	683	760	837	872	940	991	1091	1164					907	100

SIGN NUMBER	Special 3
WIDTH x HGHT.	2090mm x 700mm
BORDER WIDTH	13mm
CORNER RADIUS	40mm
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Brown
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT

Sta 11+400, Rt
2 signs mounted
back to back on
same post

Dimensions are in mm

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																															LENGTH	SERIES/SIZE
T	R	A	V	E	L	R	E	S	T	R	I	C	T	E	D	A	R	E	A													C100
270	338	410	479	558	626	777	854	922	995	1063	1140	1175	1242	1310	1378	1534	1614	1691	1754												1548	
V	E	H	I	C	L	E	S	M	U	S	T	S	T	A	Y	O	N															C100
289	368	436	513	549	621	689	757	913	1000	1077	1150	1301	1373	1430	1499	1662	1742														1509	
D	E	S	I	G	N	A	T	E	D	R	O	A	D	S	O	R	T	R	A	I	L	S										C100
125	202	270	347	383	460	532	601	669	737	893	965	1041	1121	1193	1349	1429	1585	1653	1725	1806	1841	1909									1840	
X	-	C	O	U	N	T	R	Y	T	R	A	V	E	L	P	R	O	H	I	B	I	T	E	D								C100
79	160	256	329	409	486	558	626	699	862	930	1003	1072	1151	1219	1370	1447	1519	1599	1676	1712	1789	1820	1888	1956							1933	

Preliminary
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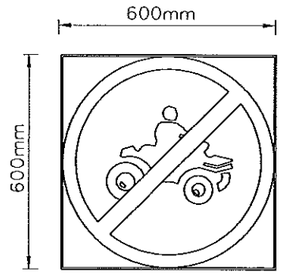
2/6/09

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SIGN DETAILS

03-MAR-2006 10:37:35 smput39p2_54.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	T53	201



SIGN NUMBER	Special 4	
WIDTH x HGHT.	600mm x 600mm	
BORDER WIDTH	13mm	
CORNER RADIUS	40mm	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	White
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	Black/Red

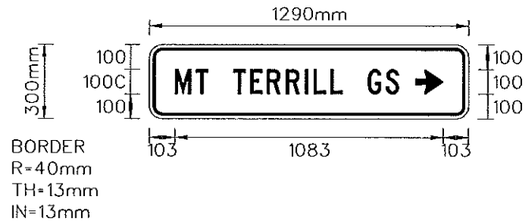
SYMBOL	X	Y	WID	HT

Sta 10+350 (Two Signs), 12+060, 12+320 (Two Signs), 15+900 (Two Signs), 20+300, 20+515, 21+550, 21+620, 22+170, 22+235, 23+420, 23+490

Dimensions are in mm

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE



SIGN NUMBER	Special 5	
WIDTH x HGHT.	1290mm x 300mm	
BORDER WIDTH	13mm	
CORNER RADIUS	40mm	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Brown
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White

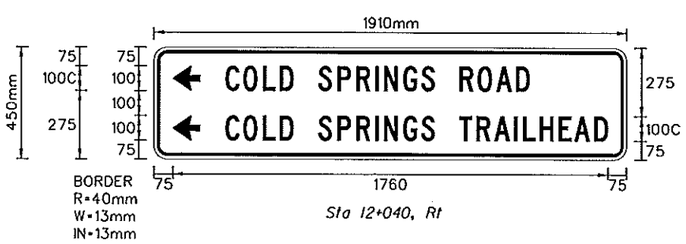
SYMBOL	X	Y	WID	HT
ARSHRT	1074	100	100	112

Sta 11+470, Lt

Dimensions are in mm

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
M	T		T	E	R	R	I	L	L		G	S							C		
103	186	237	337	405	473	550	627	663	731	782	882	954						907	100		



SIGN NUMBER	Special 6	
WIDTH x HGHT.	1910mm x 450mm	
BORDER WIDTH	13mm	
CORNER RADIUS	40mm	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Brown
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White

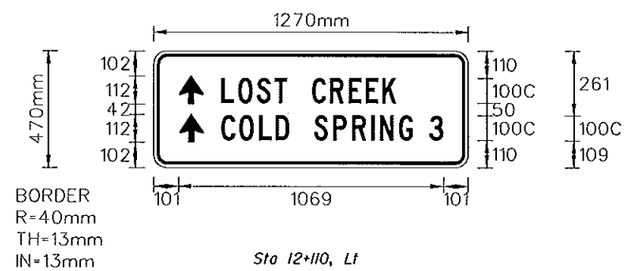
SYMBOL	X	Y	WID	HT
ARSHRT	75	75	112	100
ARSHRT	75	275	112	100

Sta 12+040, Rt

Dimensions are in mm

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
C	O	L	D	S	P	R	I	N	G	S	R	O	A	D							C100
287	360	440	508	663	740	817	894	930	1007	1079	1235	1307	1383	1463						1232	
C	O	L	D	S	P	R	I	N	G	S	T	R	A	I	L	H	E	A	D		C100
287	360	440	508	663	740	817	894	930	1007	1079	1235	1303	1375	1456	1491	1559	1636	1699	1779	1548	



SIGN NUMBER	Special 7	
WIDTH x HGHT.	1270mm x 470mm	
BORDER WIDTH	13mm	
CORNER RADIUS	40mm	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Brown
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White

SYMBOL	X	Y	WID	HT
ARSHRT	101	256	100	112
ARSHRT	102	102	100	112

Sta 12+110, Lt

Dimensions are in mm

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
L	O	S	T		C	R	E	E	K												C
272	340	415	488	539	639	711	788	856	924											708	100
C	O	L	D		S	P	R	I	N	G											C
272	344	424	492	548	648	725	802	879	914	991										775	100
3																					C
1113																				56	100

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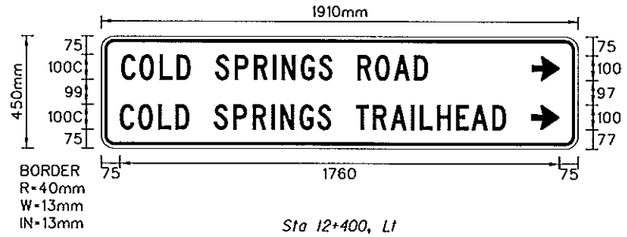
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SIGN DETAILS

03-MAR-2006 10:54:00 smpur39p2_55.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	T54	202



Sta 12+400, Lt

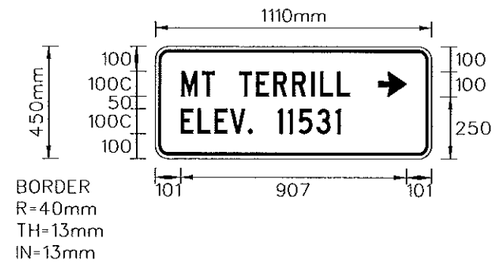
SIGN NUMBER	Special 8
WIDTH x HGHT.	1910mm x 450mm
BORDER WIDTH	13mm
CORNER RADIUS	40mm
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Brown
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
ARSHRT	1723	275	112	100
ARSHRT	1723	77	112	100

Dimensions are in mm

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
C	O	L	D	S	P	R	I	N	G	S	R	O	A	D								C100
80	153	233	301	456	533	610	687	723	800	872	1028	1100	1176	1256							1232	
C	O	L	D	S	P	R	I	N	G	S	T	R	A	I	L	H	E	A	D			C100
75	147	227	295	451	528	605	682	717	794	867	1022	1090	1163	1243	1279	1347	1424	1486	1567		1548	



Sta 12+920, Rt

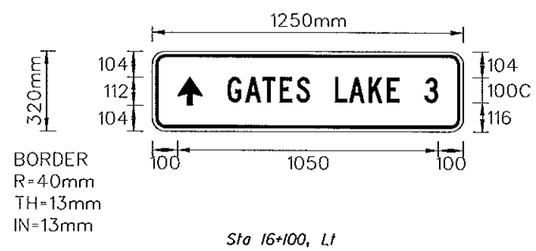
SIGN NUMBER	Special 9
WIDTH x HGHT.	1110mm x 450mm
BORDER WIDTH	13mm
CORNER RADIUS	40mm
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Brown
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
ARSHRT	896	250	100	112

Dimensions are in mm

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
M	T		T	E	R	R	I	L	L													C
104	187	238	338	406	474	551	628	663	731												679	100
E	L	E	V	.		1	1	5	3	1												C
101	169	237	300	373	393	493	535	577	649	726											645	100



Sta 16+100, Lt

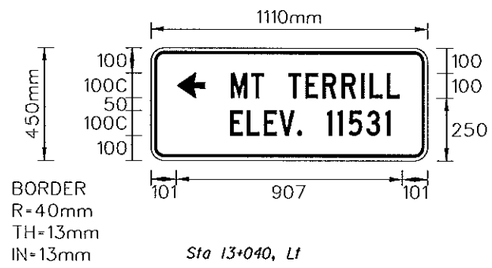
SIGN NUMBER	Special 10
WIDTH x HGHT.	1250mm x 320mm
BORDER WIDTH	13mm
CORNER RADIUS	40mm
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Brown
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
ARSHRT	100	104	100	112

Dimensions are in mm

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
G	A	T	E	S		L	A	K	E		3											C
300	373	442	510	578	633	733	790	870	943	994	1094										850	100



Sta 13+040, Lt

SIGN NUMBER	Special 11
WIDTH x HGHT.	1110mm x 450mm
BORDER WIDTH	13mm
CORNER RADIUS	40mm
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Brown
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
ARSHRT	101	300	100	112

Dimensions are in mm

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
M	T		T	E	R	R	I	L	L													C
360	443	494	594	662	730	807	884	920	988												679	100
E	L	E	V	.		1	1	5	3	1												C
352	420	488	550	623	643	743	785	827	900	977											645	100

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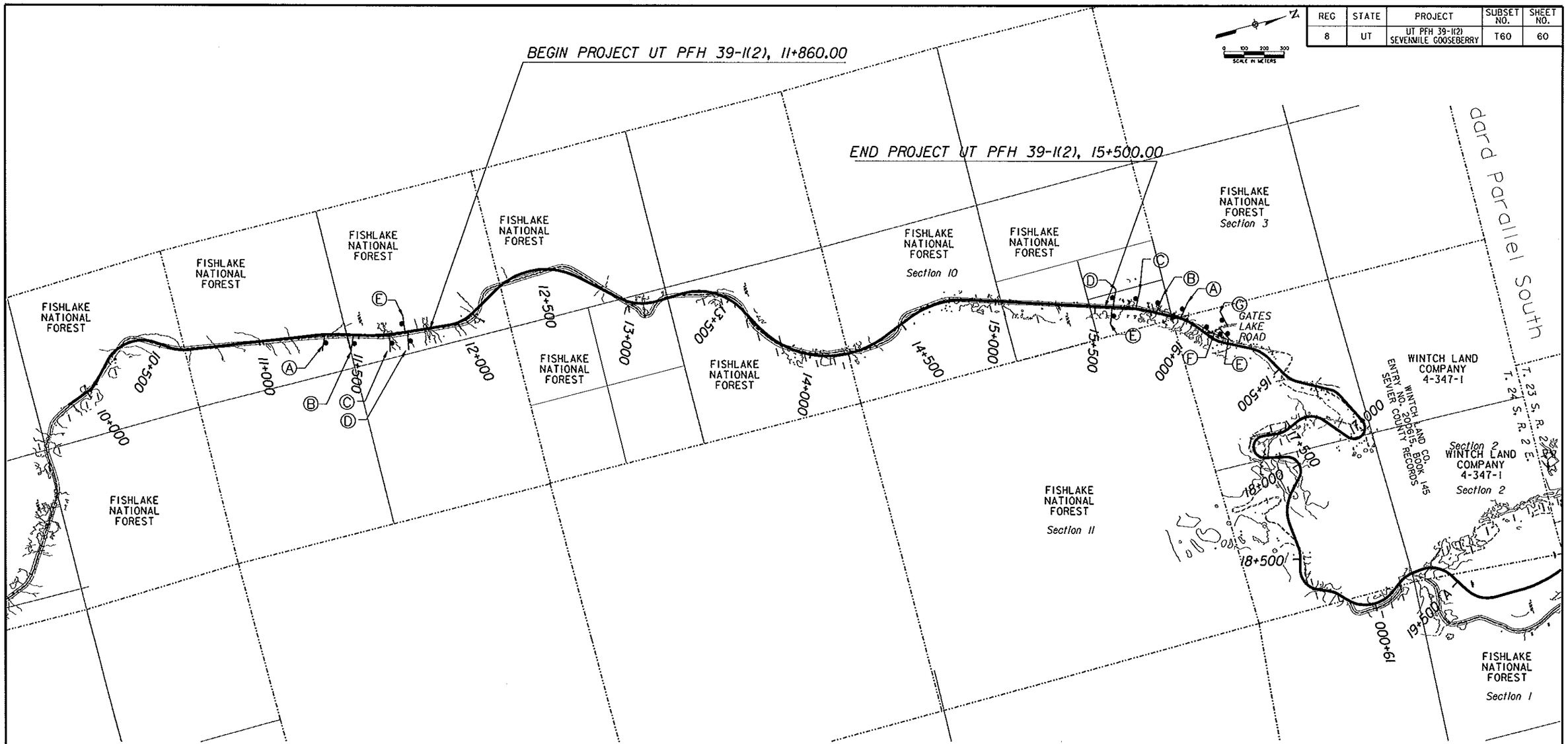
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SIGN DETAILS

03-MAR-2006 10:40:34 smpur139s2_56.dgn

REG	STATE	PROJECT	SUBSET NO.	SHEET NO.
8	UT	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	T60	60



	CODE	LEGEND
Ⓐ	W20-1	ROAD WORK AHEAD
Ⓑ	W20-1	ROAD WORK 1000 FT
Ⓒ	W20-1	ROAD WORK 500 FT
Ⓓ	W20-1	ROAD WORK NEXT 9 MILES
Ⓔ	W20-1	END ROAD WORK
Ⓕ	W20-1	BARRICADE TYPE III WITH ROAD CLOSED SIGN
Ⓖ	W20-1	ROAD WORK AHEAD GOOSEBERRY ROAD

Preliminary
Not for Construction
2/6/09

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

TEMPORARY TRAFFIC CONTROL ADVANCED SIGNING PLAN

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