

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	1	22

RIGHT OF WAY
BULL DRAW N. & S.

REVISIONS	

CONVENTIONAL SIGNS

County Line
Township or Range Line
Land Lines Section Line 1/4 Section Line 1/16 Section Line
Property or Tract Line
City Limits
Railroad
Existing Road
New Road

Control of Access
Access denied by Deed
Right of Way Line
Protected by Freeway (Margin Location)
Top of Cuts
Toe of Fills

Barbed Wire Fence
Chain Link Fence
Woven Wire-Combination Fence
Snow Fence
Wood Fence
Deer Fence

Trees
Deciduous
Coniferous

Tel. & Teleg. Lines
Electric Lines
Elec. Trans. Tower
Buried Tel. Cable
Buried Electric Cable
Gas Main
Oil Main
Water Main
Sanitary Sewers
Storm Sewers
Road Approaches

Section Corner
Center of Section
Culverts & Drains
Bridges

Existing (To be dashed)

POINT NUMBER DESIGNATIONS
CONTROL POINT AND ALIQUOT CORNER
ROW MARKER
PROPERTY SURVEY MARKER
OTHER POINTS

BASIS OF BEARINGS

BASIS OF BEARINGS: S.11°59'43.7"E., between the section corner common to Sections 18, 17, 19, and 20 in T. 1 S., R. 101 W., in the 6th P.M. (a found 63.5mm GLO B.C.), and the W.C. to the section corner common to Sections 5, 4, 8 and 9 in T. 2 S., R. 101 W., in the 6th P.M. (a found 63.5mm GLO B.C. - 1908).

Date: 2-98
Subaccount: 11213
REGION: III

RIGHT OF WAY PLAN OF PROPOSED
FEDERAL AID PROJECT NO. PLH 139A-023
STATE HIGHWAY NO. 139
RIO BLANCO COUNTY
RIGHT OF WAY

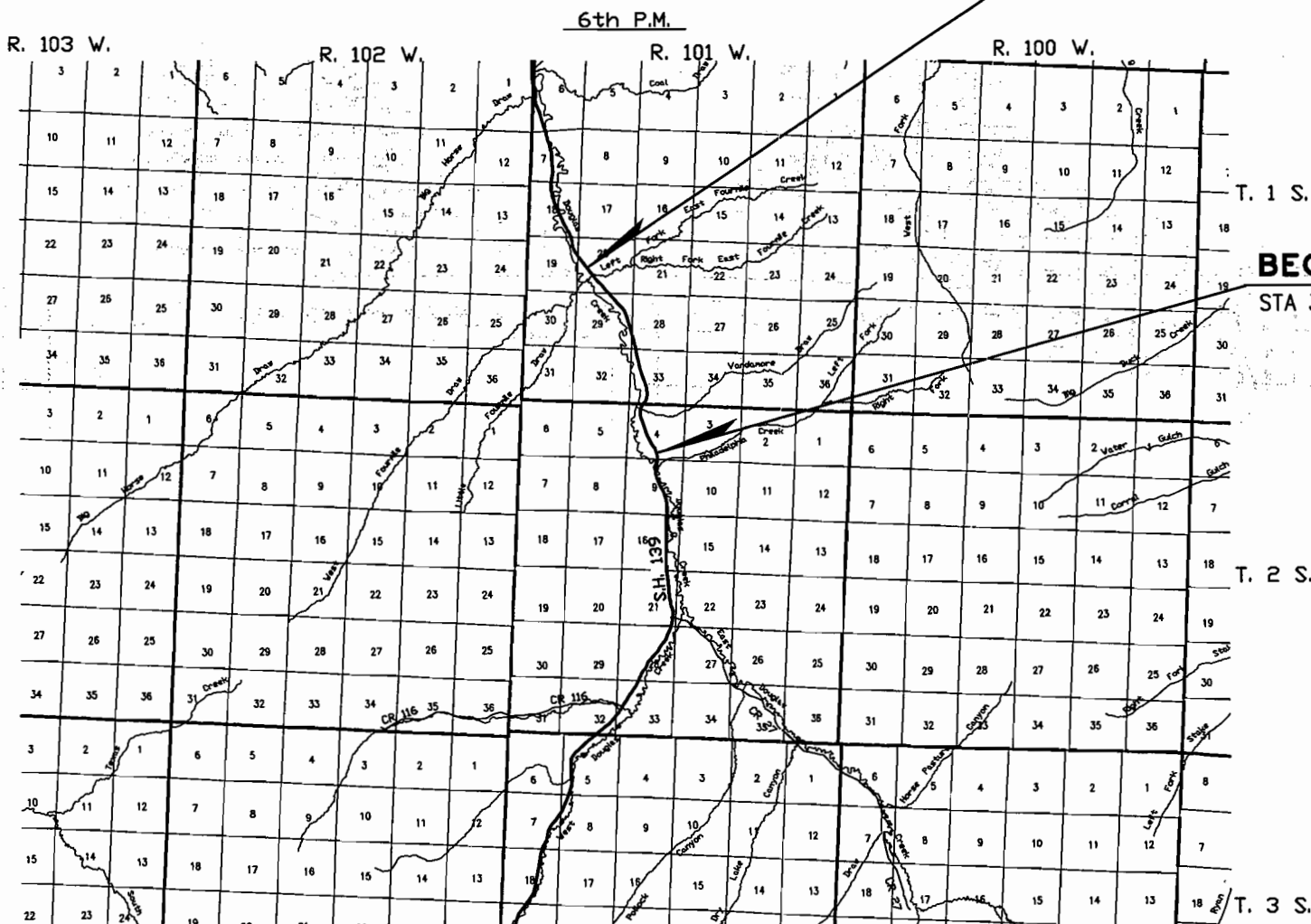
SCALES OF ORIGINAL DRAWINGS

PLAN SHEETS 1 : 500

R.O.W. LENGTH OF PROJECT = 795.529 METERS

END R.O.W. PROJ PLH139A-023, STA. 39+724.000

STA 39+724.00, ON CONST. PROJ. PLH 139A-023 = R.P. 61.57



BEGIN R.O.W. PROJ PLH139A-023, STA. 33+668.351

STA 33+668.351, ON CONST. PROJ. PLH 139A-023 = R.P. 57.81

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

AUTHORIZED: _____
DATE _____

DIVISION ADMINISTRATOR

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH139A-023	2	22
RIGHT OF WAY BULL DRAW N. & S.			REVISIONS	

R. O. W. TABULATION OF PROPERTIES IN RIO BLANCO COUNTY S. H. NO. 139

PARCEL NO.	OWNER	ADDRESS	LOCATION	AREA IN HECTARES				PARCEL NO.	RECORDED Book, Page	REMARKS
				AREA OF PARCEL	EXISTING R.O.W.	NET AREA	REMAINDER			
							LEFT	RIGHT		
TE-100	BLM (U.S. LAND)		<u>T. 2 S., R. 101 W., 6th P.M.</u> NE14SW1/4, SEC. 4	0.100 hectares (0.25 acres)		0.100 hectares (0.25 acres)			TE-100	for the purpose of construction of a road approach
TE-100A	BLM (U.S. LAND)		LOT 8, SEC. 4	0.148 hectares (0.37 acres)		0.148 hectares (0.37 acres)			TE-100A	for the purpose of construction of a road approach
TE-100B	BLM (U.S. LAND)		LOT 7 & LOT 8, SEC. 4	0.197 hectares (0.49 acres)		0.197 hectares (0.49 acres)			TE-100B	for the purpose of construction of a road approach & channel improvements (Vandamore Draw)
100	BLM (U.S. LAND)		SW1/4SE1/4, E1/2SW1/4, S1/2NW1/4, LOT 8, & LOT 7, SEC. 4 <u>T. 1 S., R. 101 W., 6th P.M.</u> SW1/4, & W1/2NW1/4, SEC. 33 W1/2SW1/4, SEC. 28 E1/2SE1/4, NE1/4, & NE1/4NW1/4, SEC. 29 N1/2SW1/4, SE1/4SW1/4, & SW1/4 SE1/4, SEC. 20	9.239 hectares (22.83 acres) 10.281 hectares (25.41 acres) 1.940 hectares (4.79 acres) 9.580 hectares (23.67 acres) 5.980 hectares (14.78 acres)		9.239 hectares (22.83 acres) 10.281 hectares (25.41 acres) 1.940 hectares (4.79 acres) 9.580 hectares (23.67 acres) 5.980 hectares (14.78 acres)				
			TOTAL AREA	37.021 hectares (91.48 acres)		37.021 hectares (91.48 acres)			100	
TE-100C	BLM (U.S. LAND)		NW1/4SW1/4, SEC. 33	0.065 hectares (0.16 acres)		0.065 hectares (0.16 acres)			TE-100C	for the purpose of construction of a road approach
TE-100D	BLM (U.S. LAND)		NW1/4NW1/4, SEC. 33	0.053 hectares (0.13 acres)		0.053 hectares (0.13 acres)			TE-100D	for the purpose of construction of a road approach
TE-100E	BLM (U.S. LAND)		NW1/4NW1/4, SEC. 33	0.180 hectares (0.45 acres)		0.180 hectares (0.45 acres)			TE-100E	for the purpose of channel improvement (State Bridge Draw)
TE-100F	BLM (U.S. LAND)		SW1/4SW1/4, SEC. 28	0.096 hectares (0.24 acres)		0.096 hectares (0.24 acres)			TE-100F	for the purpose of channel improvement
TE-100G	BLM (U.S. LAND)		NE1/4SE1/4 & SE1/4NE1/4, SEC. 29	0.652 hectares (1.61 acres)		0.652 hectares (1.61 acres)			TE-100G	for the purpose of construction of a ditch
TE-100H	BLM (U.S. LAND)		SE1/4SW1/4 & NE1/4 SW1/4, SEC. 20	0.053 hectares (0.13 acres)		0.053 hectares (0.13 acres)			TE-100H	for the purpose of construction of a road approach
TE-100I	BLM (U.S. LAND)		NW1/4SW1/4, SEC. 20	0.015 hectares (0.04 acres)		0.015 hectares (0.04 acres)			TE-100I	for the purpose of construction of a road approach

CONTROL AND MONUMENTATION SHEET

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	3 of 38	22

RIGHT OF WAY
BULL DRAW N. & S.

REVISIONS	

GENERAL NOTES

NOTE: This survey was conducted to provide horizontal and vertical control for highway design and construction and is for the use of The Colorado Department of Transportation. Coordinates are modified project coordinates derived using Rapid Static GPS Procedures holding the original horizontal coordinates of control point MP 61.45 from a previous conventional traverse survey performed by MERRICK & COMPANY circa 1988. Elevations were re-measured by differential leveling using the National Geodetic Survey NAVD 88 vertical datum.

BASIS OF BEARINGS: S.11°59'43.7"E., between the section corner common to Sections 18, 17, 19, and 20 in T. 1 S., R. 101 W., in the 6th P.M. (a found 63.5mm GLO B.C.), and the W.C. to the section corner common to Sections 5, 4, 8 and 9 in T. 2 S., R. 101 W., in the 6th P.M. (a found 63.5mm GLO B.C. - 1908).

NOTE: Found and set monuments are located within an error circle of radius 76.2mm with respect to controlling monuments at a 95% confidence level.

NOTE: All centerline stationing and offsets are theoretical only and may not represent the centerline as constructed.

NOTE: All coordinates listed are project coordinates.

NOTE: This survey is not a complete boundary survey. Title Policy, Title Commitment, and Title Research were not requested on this project, therefore easements, rights, and restrictions of record are not shown. The rectrification of the physical evidence, located by the survey and shown on this sheet, with the recorded documents was not requested on this project.

NOTE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown.

NOTE: No guarantee as to the accuracy of the information contained on the attached drawing is either stated or implied unless this copy bears an original signature of the registered land surveyor herein named.

CONTROL DATA COORDINATES ARE MODIFIED PROJECT COORDINATES ELEVATIONS BY DIFFERENTIAL LEVELING					
GPS CONTROL (METRIC)					
PNT #	MILE POST	NORTH	EAST	ELEV.	DESCRIPTION
3		74202.419	30819.105		SEC COR S18-17-19-20 (63.5mm GLO B.C.)
4		67757.600	32188.460		W.C. S5-4-8-9 (63.5mm GLO B.C. - 1908)
5670	MP 56.70	66348.308	33295.545	1785.105	CDOT CONTROL MONUMENT
5690	MP 56.90	66662.975	33199.632	1786.197	CDOT CONTROL MONUMENT
5710	MP 57.10	66877.060	33170.180	1778.001	CDOT CONTROL MONUMENT
5741	MP 57.41	67238.686	32981.448	1778.265	CDOH CONTROL MONUMENT
5775	MP 57.75	67882.001	33051.164	1773.738	NGS BENCH MARK
5790	MP 57.90	68042.999	32907.388	1770.842	CDOH CONTROL MONUMENT
5820	MP 58.20	68365.741	32707.921	1764.931	CDOH CONTROL MONUMENT
5840	MP 58.40	68715.897	32573.241	1759.558	CDOH CONTROL MONUMENT
5870	MP 58.70	69253.867	32589.802	1758.767	CDOH CONTROL MONUMENT
5880	MP 58.80	69418.783	32723.108	1749.898	CDOT CONTROL MONUMENT
5900	MP 59.00	69702.645	32693.802	1752.558	CDOH CONTROL MONUMENT
5905	MP 59.05	69818.380	32663.816	1753.063	CDOT CONTROL MONUMENT
5915	MP 59.15	70047.191	32617.305	1755.879	CDOH CONTROL MONUMENT
5950	MP 59.50	70538.563	32478.578	1748.297	CDOH CONTROL MONUMENT
5970	MP 59.70	70835.301	32469.661	1765.227	CDOH CONTROL MONUMENT
5990	MP 59.90	71039.550	32321.665	1746.428	CDOH CONTROL MONUMENT
6010	MP 60.10	71484.956	32286.489	1742.960	CDOH CONTROL MONUMENT
6020	MP 60.20	71685.843	32222.857	1741.818	CDOH CONTROL MONUMENT
6040	MP 60.40	71923.292	32136.152	1733.507	CDOT CONTROL MONUMENT
6065	MP 60.65	72146.922	31934.534	1733.955	CDOH CONTROL MONUMENT
6070	MP 60.70	72263.862	31823.741	1732.890	CDOT CONTROL MONUMENT
6095	MP 60.95	72586.957	31599.912	1727.562	CDOH CONTROL MONUMENT
6120	MP 61.20	72947.068	31291.279	1727.007	CDOH CONTROL MONUMENT
6145	MP 61.45	73191.551	31049.072	1723.602	CDOH CONTROL MONUMENT
6170	MP 61.70	73382.565	30912.654	1717.027	CDOT CONTROL MONUMENT



"CDOH"

TYPICAL CONTROL MONUMENT
A 82.5mm DIA. ALUM. CAP
ON A 914.4mm+ ALUM. ROD



"CDOT"

OFFICE SURVEYOR CERTIFICATE

ROW Plans and Legal Descriptions were prepared under my supervision and checking.

Name_____

Date_____

P.L.S. No._____

SEAL

FIELD SURVEYOR CERTIFICATE

Control survey and monumentaion was done under my supervision and checking

Name_____

Date_____

P.L.S. No._____

SEAL

CONTROL AND MONUMENTATION SHEET

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	3A of 3B	22

RIGHT OF WAY
BULL DRAW N. & S.

REVISIONS	

RIGHT-OF-WAY POINTS			
COORDINATES ARE MODIFIED PROJECT COORDINATES			
PNT #	NORTH	EAST	REMARKS
903	67934.7495	33027.4359	
904	67904.6095	32975.5554	
905	68056.4617	32956.7272	
906	68026.3217	32904.8467	
907	68149.4611	32899.4608	
908	68116.7015	32849.1935	
910	68288.2735	32808.9955	
911	68255.5139	32758.7282	
912	68368.0481	32759.7276	
913	68339.0864	32707.1803	
914	68397.7717	32744.3759	
915	68371.6864	32690.3430	
916	68484.1233	32707.8423	
917	68462.0957	32652.0321	
918	68630.8045	32649.9490	
919	68608.7769	32594.1387	
920	68688.6363	32628.8748	
921	68671.1973	32571.4651	
922	68751.2076	32615.7209	
923	68744.0543	32556.1488	
924	68812.6296	32611.7251	
925	68810.3206	32551.7695	
926	68990.8830	32604.8601	
927	68988.5740	32544.9045	
928	69052.4304	32604.1200	
929	69054.9808	32544.1742	
930	69163.9147	32563.2088	
932	69189.9433	32637.4179	
933	69215.0985	32582.9458	
934	69244.3344	32666.2318	
935	69273.8152	32613.9740	
936	69288.2147	32690.9865	
937	69317.6955	32638.7287	
938	69342.7388	32731.0934	
939	69372.0866	32667.5426	
940	69425.4137	32764.7258	
941	69491.4087	32774.8775	
943	69557.9329	32699.6919	
944	69629.0555	32749.9483	
945	69618.8425	32690.8238	
946	69776.7833	32724.4303	
947	69766.5704	32665.3059	
948	69833.1134	32713.8353	
949	69820.3042	32655.2185	
950	69867.9133	32705.2418	
951	69863.3944	32688.8534	
952	69921.5638	32669.8155	
953	69927.6087	32685.7045	
954	69947.7463	32677.6649	
955	69924.5943	32622.3116	
956	69999.9562	32654.0120	
957	69974.3867	32599.7331	
958	70000.1876	32653.9030	
959	69974.6181	32599.6241	
960	70055.0293	32629.4883	
961	70033.0542	32573.6573	
962	70063.0214	32626.4310	
963	70042.1238	32570.1878	
964	70203.6279	32590.5856	
965	70191.8339	32531.7562	

RIGHT-OF-WAY POINTS			
COORDINATES ARE MODIFIED PROJECT COORDINATES			
PNT #	NORTH	EAST	REMARKS
968	70581.0320	32514.9245	
969	70569.2380	32456.0950	
970	70617.7915	32506.8538	
971	70603.8562	32448.4945	
973	70925.5285	32371.6839	
972	70939.4638	32430.0432	
974	71047.5310	32397.8940	
975	71027.3005	32341.4075	
976	71062.1708	32392.6508	
977	71041.9403	32336.1643	
978	71118.2549	32373.8223	
979	71101.5056	32316.2075	
980	71139.3966	32368.2063	
981	71125.3462	32309.8746	
982	71197.4312	32356.7206	
983	71186.9630	32297.6408	
986	71558.1994	32292.7968	
987	71547.7311	32233.7170	
988	71796.9566	32219.7585	
989	71919.4346	32184.3589	
990	71972.7744	32150.2921	
992	71645.0419	32211.2534	
993	71686.1944	32212.1950	
994	71721.5286	32194.4612	
995	71822.9878	32146.3796	
996	71830.6437	32137.8979	
997	71875.8517	32111.3826	
1001	71984.3391	32036.1251	
1002	72056.0015	32055.6408	
1003	72176.6383	31959.1601	
1004	72139.1634	31912.3025	
1005	72274.2291	31880.5528	
1006	72236.2682	31834.0881	
1007	72332.6971	31832.1686	
1008	72294.1543	31786.1854	
1009	72466.0475	31718.1713	
1010	72426.8383	31672.7550	
1011	72640.1531	31567.8609	
1012	72600.9439	31522.4446	
1013	72801.3427	31428.7012	
1014	72762.1335	31383.2849	
1015	73045.5156	31215.9770	
1016	72993.5002	31181.8108	
1017	73001.4192	31190.8269	
1018	73031.5072	31164.4049	
1019	73010.4466	31140.3123	
1020	73048.5219	31213.3340	
1021	73108.3344	31162.3957	
1022	73070.9085	31115.4990	
1023	73124.3123	31149.9681	
1024	73088.0699	31102.1509	
1025	73172.1108	31115.5083	
1026	73137.5989	31066.4274	
1027	73354.1063	30987.5358	
1028	73319.5944	30938.4549	
1046	69169.8911	32544.1226	
1050	69201.7300	32555.4365	
1051	69194.3226	32574.0142	
1062	73033.7459	31120.2153	
1102	70081.3475	32546.8562	

EASEMENT & OTHER POINTS		
COORDINATES ARE MODIFIED PROJECT COORDINATES		
PNT #	NORTH	EAST
926	68990.8830	32604.8601
934	69244.3344	32666.2318
932	69189.9433	32637.4179
949	69820.3042	32655.2185
992	71645.0419	32211.2534
993	71686.1944	32212.1950
994	71721.5286	32194.4612
995	71822.9878	32146.3796
996	71830.6437	32137.8979
997	71875.8517	32111.3826
1029	69322.3577	32641.1985
1031	70938.9194	32368.3856
1032	70936.6694	32430.7105
1033	71114.8649	32312.5126
1034	71392.5136	32322.1543
1035	72570.0031	31628.4235
1036	72572.8089	31546.7344
1040	71675.8647	32180.8534
1041	71865.5970	32094.2117
1042	71924.8941	32080.0605
1044	69319.6996	32714.1462
1047	69145.9854	32620.4673
1048	69162.8412	32652.9694
1049	69206.6752	32673.8852
1063	68957.9780	32606.1273
1064	68958.9401	32631.1088
1066	69018.1033	32628.9554
1067	69017.5173	32604.5398
1069	69810.2004	32633.8598
1070	69814.8884	32656.2353
1071	69842.7599	32649.8606
1072	69836.9960	32627.5945
1073	70710.6314	32484.6850
1074	70714.1153	32499.2748
1075	70748.1582	32491.1459
1076	70744.6744	32476.5560
1077	70754.4009	32474.2335
1078	70764.8524	32518.0029
1079	70793.3071	32464.9433
1080	70803.7586	32508.7127
1081	70967.4947	32360.6654
1082	70960.6067	32336.6330
1083	71004.5692	32349.2322
1084	70996.7257	32325.4945
1085	72965.3444	31286.2486
1086	72975.2150	31297.5433
1087	72991.7096	31263.1852
1088	73001.5912	31274.4704
1094	73107.6625	31088.0194
1095	73104.7327	31083.9678
1096	73132.3039	31070.2465
1097	73129.4262	31066.1577
1098	68136.1364	32836.5276
1099	68122.4865	32815.5829
1100	68169.6479	32814.6878
1101	68155.9980	32793.7431

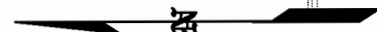
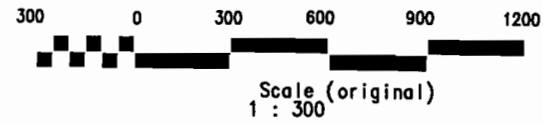
CONTROL AND MONUMENTATION SHEET

T. 1 & 2 S., R. 101 W., 6th P.M.
RIO BLANCO

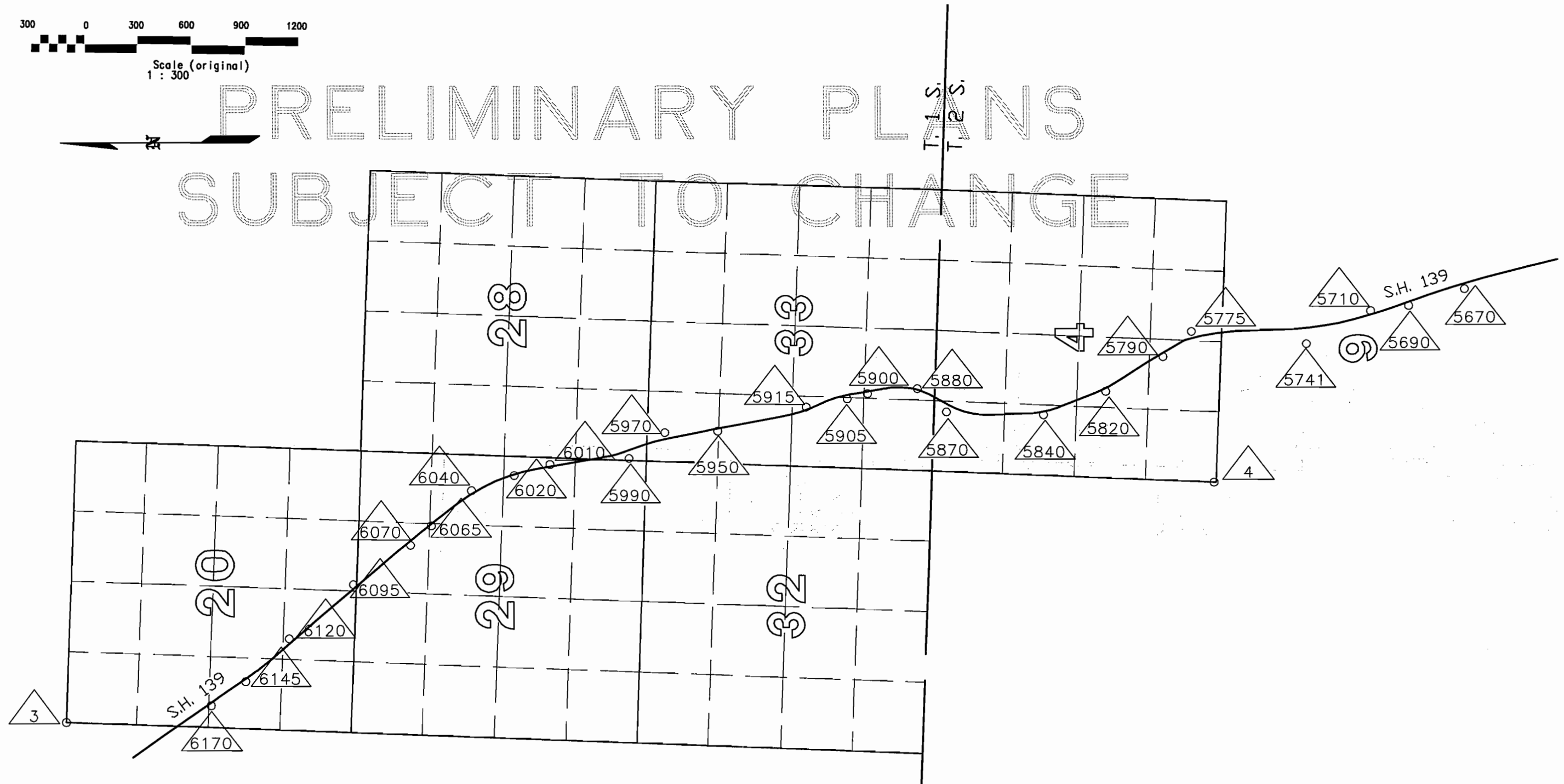
FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	3B of 3B	22

RIGHT OF WAY
BULL DRAW N & S

REVISIONS		



PRELIMINARY PLANS
SUBJECT TO CHANGE



BASIS OF BEARINGS: S.11°59'43.7"E., between the section corner common to Sections 18, 17, 19, and 20 in T. 1 S., R. 101 W., in the 6th P.M. (a found 63.5mm GLO B.C.), and the W.C. to the section corner common to Sections 5, 4, 8 and 9 in T. 2 S., R. 101 W., in the 6th P.M. (a found 63.5mm GLO B.C. - 1908).

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	4	22

RIGHT OF WAY
BULL DRAW N. & S.

REVISIONS	

R. O. W. TABULATION OF ROAD APPROACHES IN RIO BLANCO COUNTY S. H. NO. 139

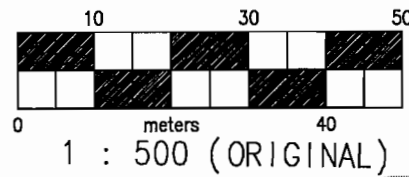
OWNER	MILE POST / STA.	LEFT (L) or RIGHT (R) of $\mathcal{Q}$	WIDTH	SKEW ANGLE	REMARKS
BLM (U.S. LAND)	57.99 / 33+956	L	7.3m / 24.0'		to remain opened
same as above	58.53 / 34+820	R	7.3m / 24.0'		to remain opened
same as above	58.68 / 35+070	R	7.3m / 24.0'		to remain opened
same as above	59.09 / 35+722	L	7.3m / 24.0'		to remain opened
same as above	59.20 / 35+920	R	7.3m / 24.0'		to remain opened
same as above	59.31 / 36+105	R	7.3m / 24.0'		to remain opened
same as above	59.66 / 36+647	R	7.3m / 24.0'		State Bridge Draw - to remain opened
same as above	60.14 / 37+420	R	7.3m / 24.0'		to remain opened
same as above	61.29 / 39+265	R	7.3m / 24.0'		East Four Mi. Draw - to remain opened
same as above	61.42 / 39+485	L	7.3m / 24.0'		to remain opened

T. 2 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

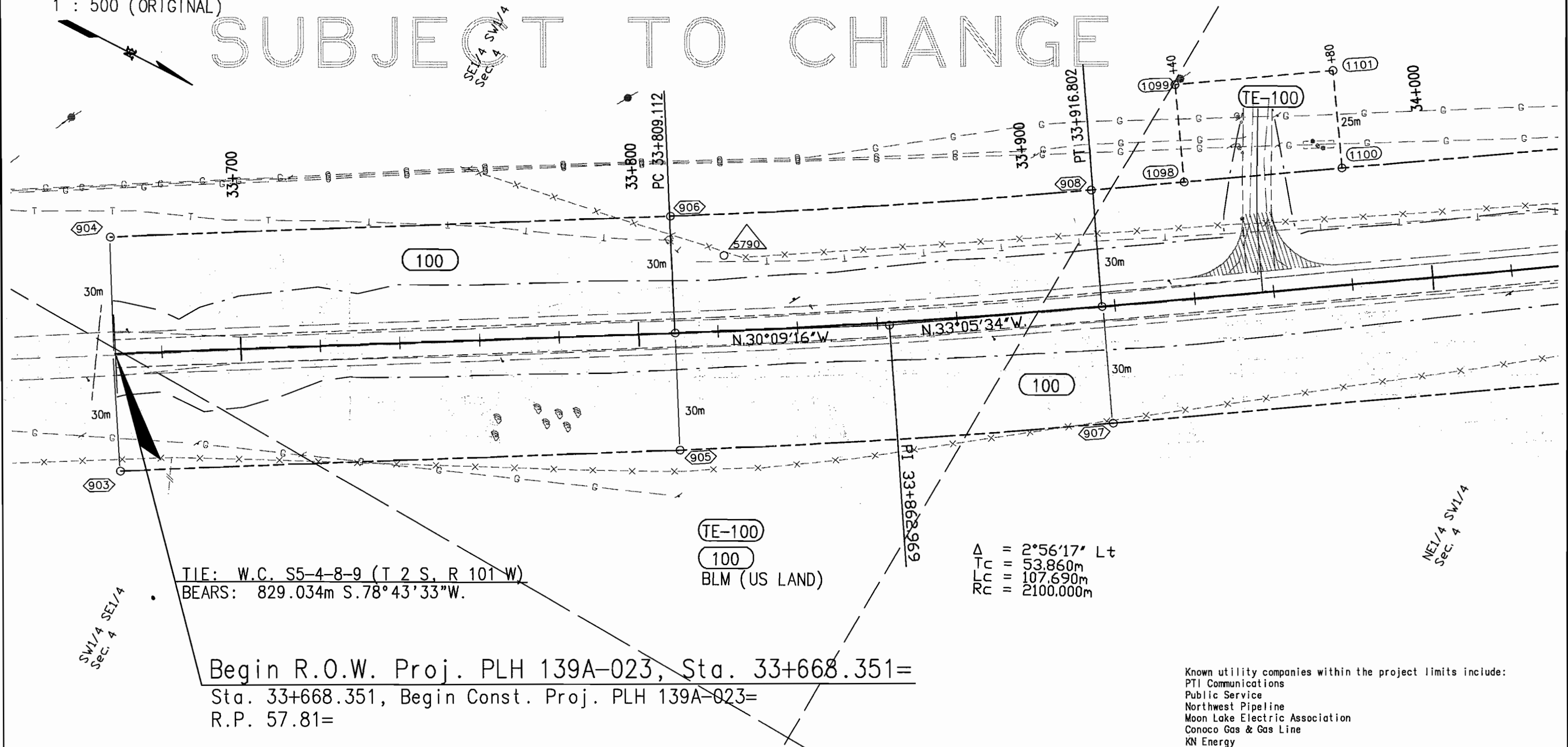
FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	5	22

RIGHT OF WAY
BULL DRAW N & S

REVISIONS	



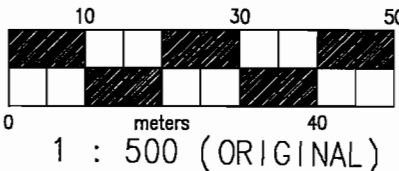
PRELIMINARY PLANS SUBJECT TO CHANGE



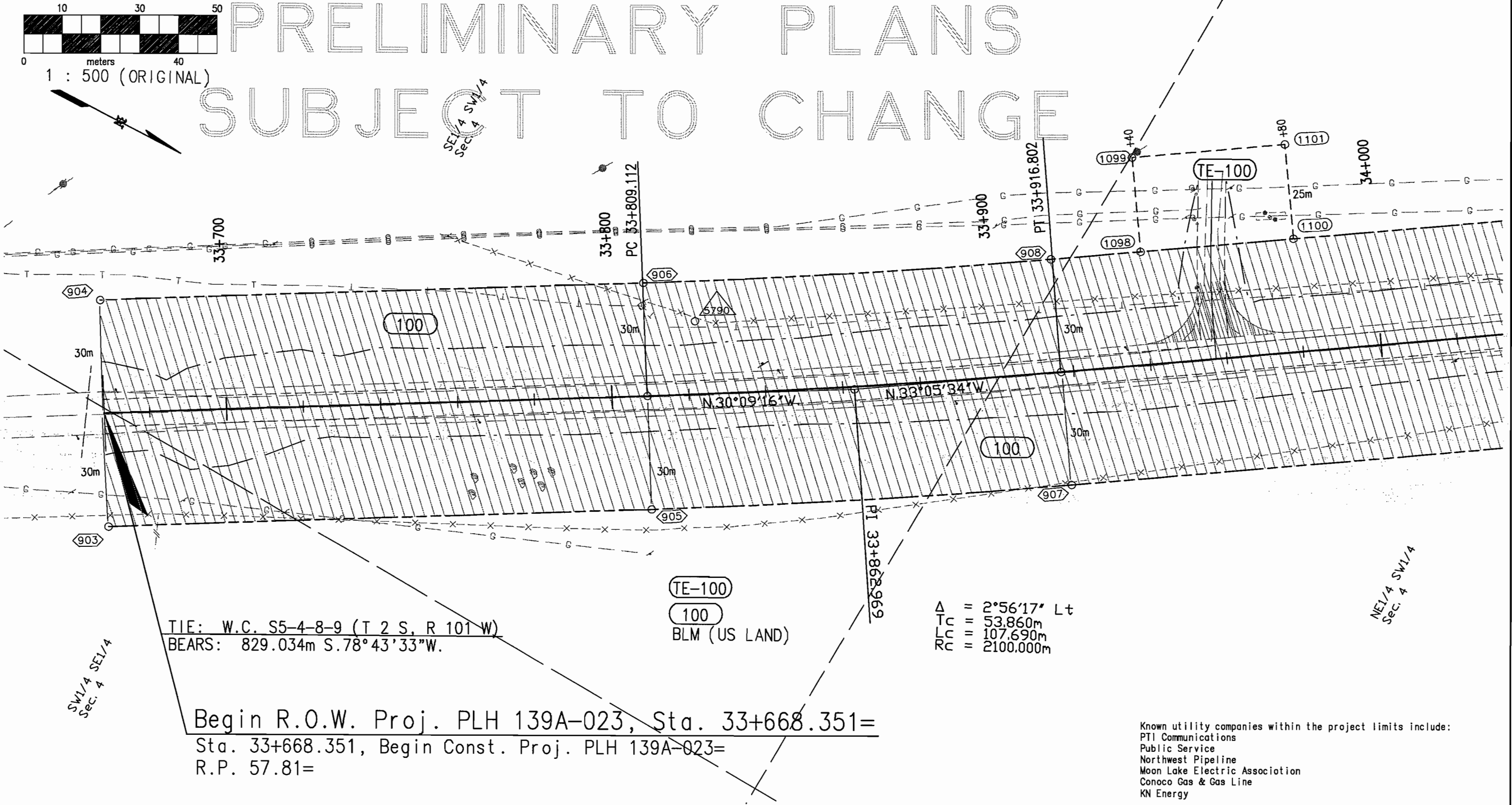
T. 2 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	5	22

RIGHT OF WAY		REVISIONS	
BULL DRAW N & S			



PRELIMINARY PLANS
SUBJECT TO CHANGE



TIE: W.C. S5-4-8-9 (T 2 S., R 101 W)
BEARS: 829.034m S. 78° 43' 33" W.

TE-100
100
BLM (US LAND)

Δ = 2° 56' 17" Lt
Tc = 53.860m
Lc = 107.690m
Rc = 2100.000m

Begin R.O.W. Proj. PLH 139A-023, Sta. 33+668.351=
Sta. 33+668.351, Begin Const. Proj. PLH 139A-023=
R.P. 57.81=

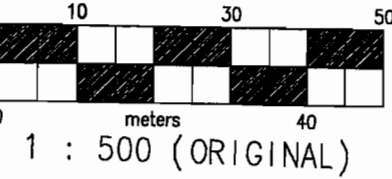
Known utility companies within the project limits include:
PTI Communications
Public Service
Northwest Pipeline
Moon Lake Electric Association
Conoco Gas & Gas Line
KN Energy

T. 2 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

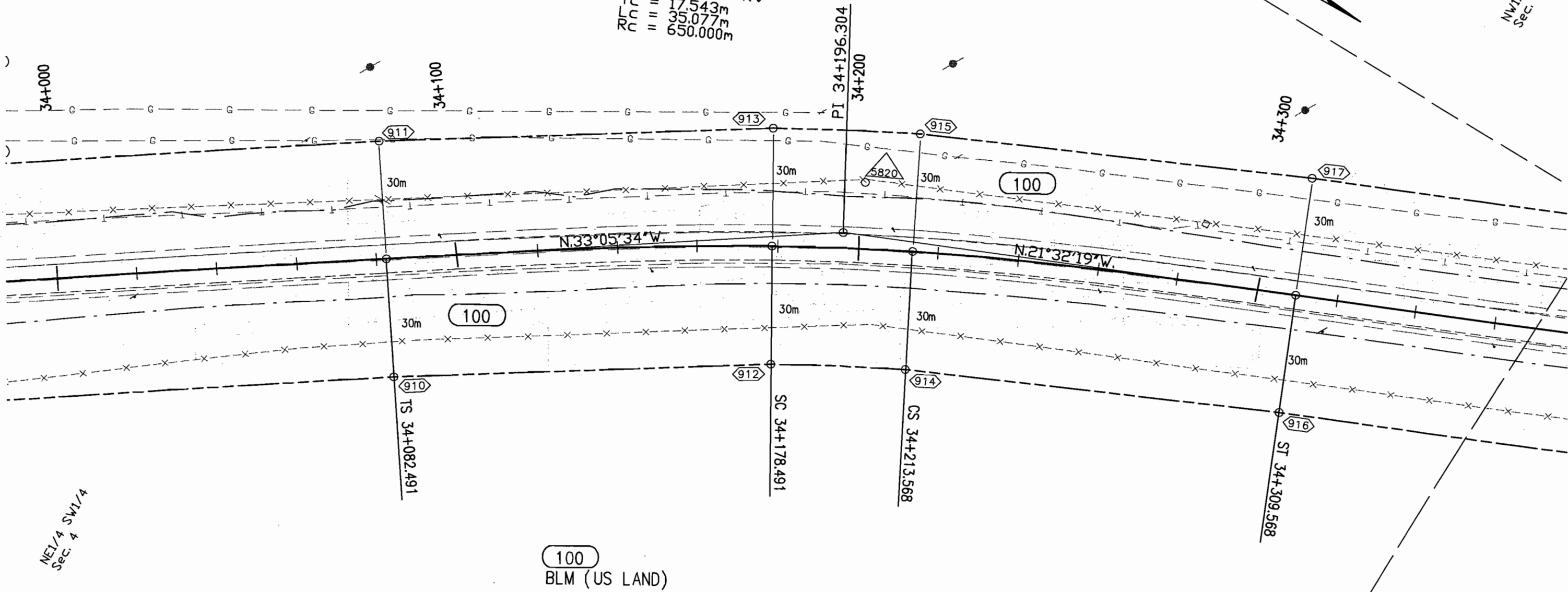
FEDERAL ROAD NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	6	22
RIGHT OF WAY		REVISIONS		
BULL DRAW N & S				

PRELIMINARY PLANS
SUBJECT TO CHANGE

$\Delta S = 11^{\circ}33'15''$ Rt
 $\theta S = 4^{\circ}13'52''$ Rt
 $TS = 113.812m$
 $LS = 96.000m$
 $LT = 64.018m$
 $ST = 32.017m$
 $\Delta C = 3^{\circ}05'31''$ Rt
 $TC = 17.543m$
 $LC = 35.077m$
 $RC = 650.000m$



NW1/4 SW1/4
Sec. 4



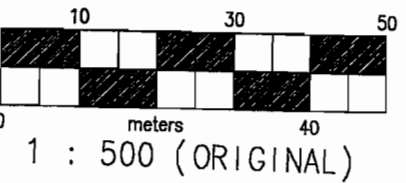
T. 2 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	6	22

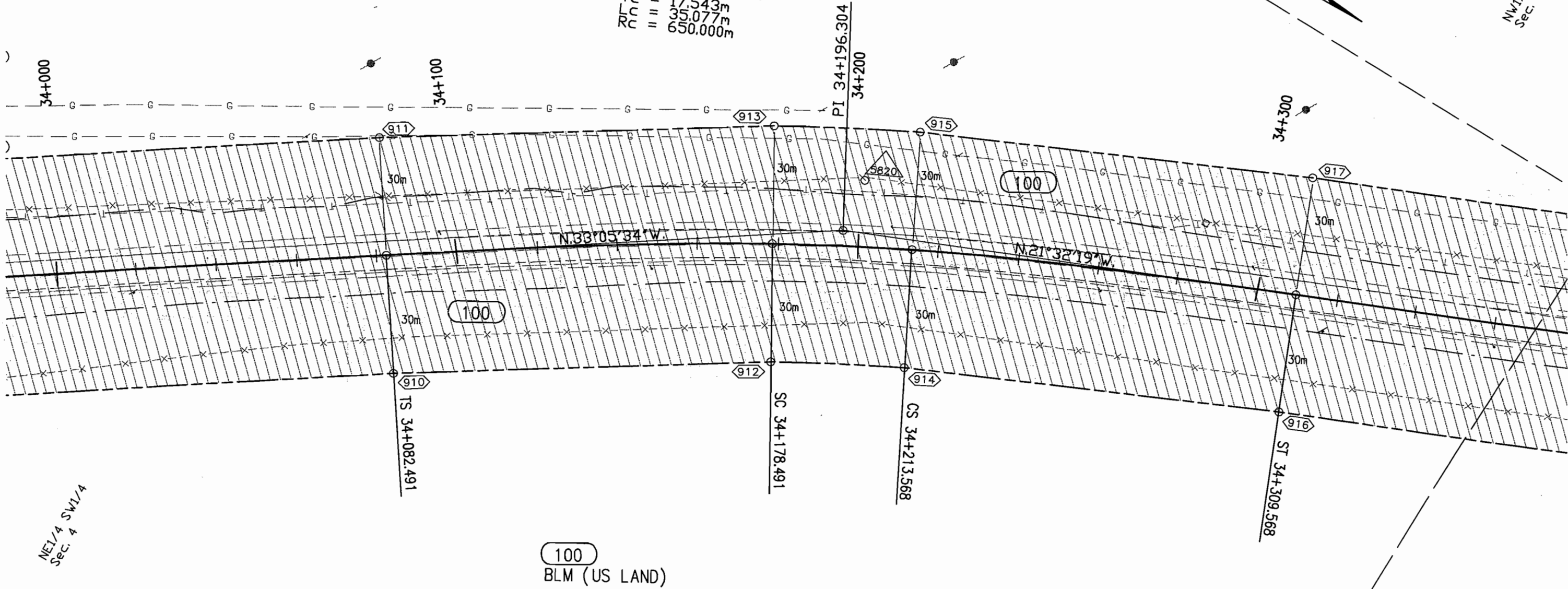
RIGHT OF WAY BULL DRAW N & S		REVISIONS	

PRELIMINARY PLANS
SUBJECT TO CHANGE

$\Delta = 11^{\circ}33'15''$ Rt
 $\theta_s = 4^{\circ}13'52''$ Rt
 $T_s = 113.812m$
 $L_s = 96.000m$
 $LI = 64.018m$
 $ST = 32.017m$
 $\Delta C = 3^{\circ}05'31''$ Rt
 $TC = 17.543m$
 $LC = 35.077m$
 $RC = 650.000m$



NW1/4 SW1/4
Sec. 4

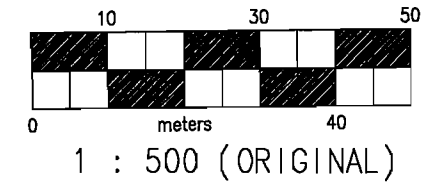


T. 2 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	7	22

RIGHT OF WAY
BULL DRAW N & S

REVISIONS	



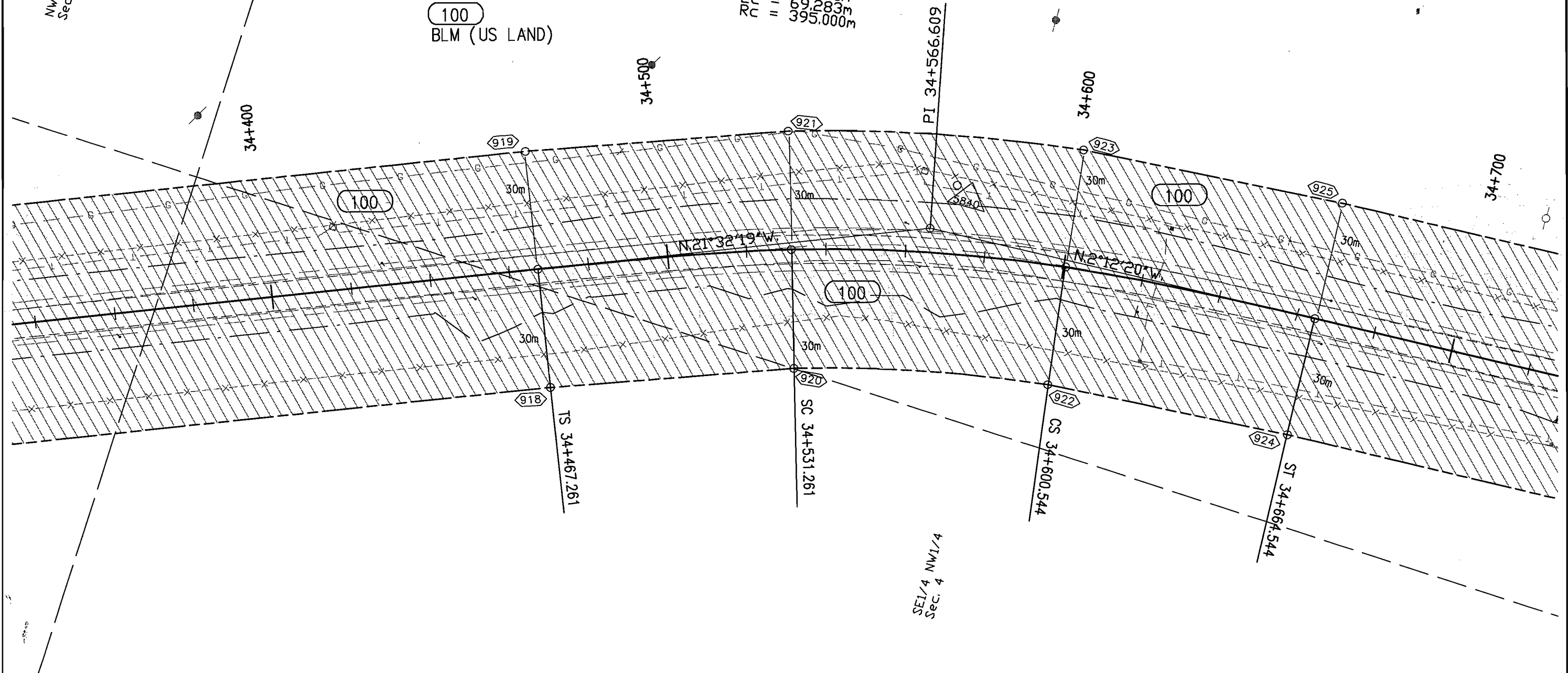
PRELIMINARY PLANS
SUBJECT TO CHANGE

Δ = 19°20'00" Rt
 θ_s = 4°38'30" Rt
Ts = 99.348m
LS = 64.000m
LT = 42.681m
ST = 21.347m
 Δ_c = 10°03'00" Rt
Tc = 34.731m
Lc = 69.283m
Rc = 395.000m

NW1/4 SW1/4
Sec. 4

SW1/4 NW1/4
Sec. 4

100
BLM (US LAND)



T. 2 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	7	22

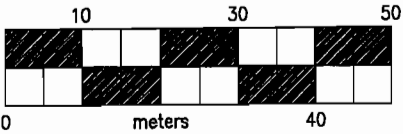
RIGHT OF WAY
BULL DRAW N & S

REVISIONS	

PRELIMINARY PLANS
SUBJECT TO CHANGE

Δ = 19°20'00" Rt
 θ_s = 4°38'30" Rt
TS = 99.348m
LS = 64.000m
LT = 42.681m
ST = 21.347m
 Δc = 10°03'00" Rt
TC = 34.731m
LC = 69.283m
RC = 395.000m

NW1/4 NW1/4
Sec. 4



1 : 500 (ORIGINAL)



NW1/4 SW1/4
Sec. 4

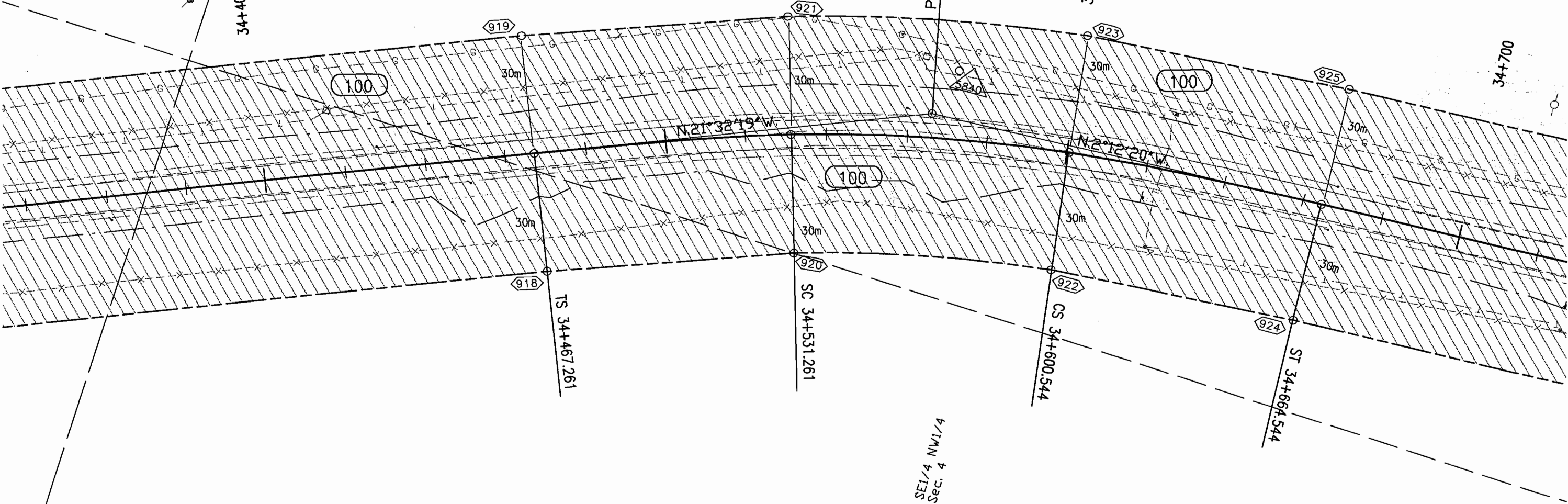
100
BLM (US LAND)

34+500

PI 34+566.609

34+600

34+700



SE1/4 NW1/4
Sec. 4

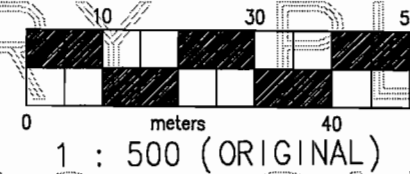
T. 2 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	8	22

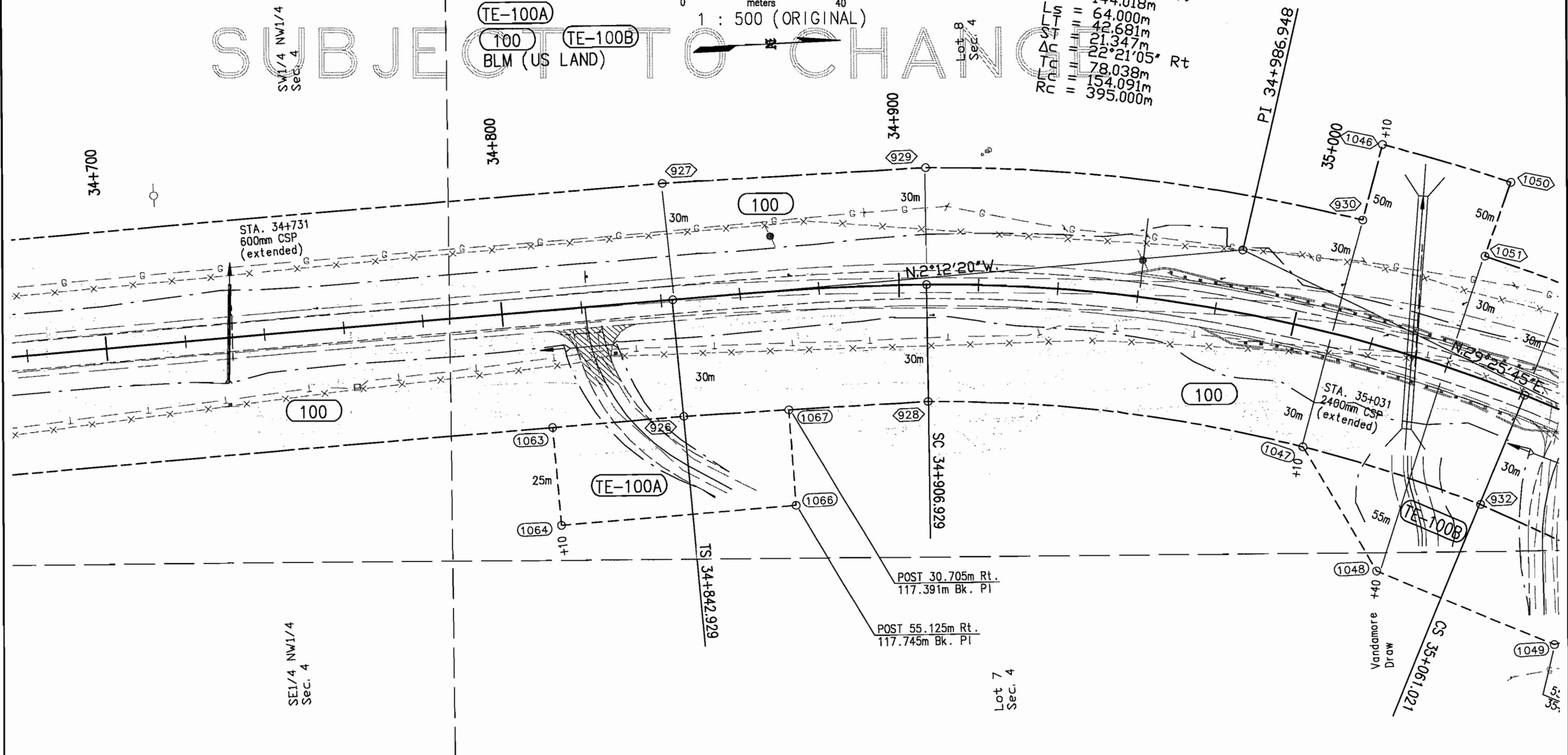
RIGHT OF WAY
BULL DRAW N & S

REVISIONS	

PRELIMINARY PLANS
SUBJECT TO CHANGE



$\Delta = 31^{\circ}38'05''$ Rt
 $\theta_s = 4^{\circ}38'30''$ Rt
 $Is = 144.018m$
 $Ls = 64.000m$
 $LT = 42.681m$
 $ST = 21.347m$
 $\Delta c = 22^{\circ}21'05''$ Rt
 $Tc = 78.038m$
 $Lc = 154.091m$
 $Rc = 395.000m$



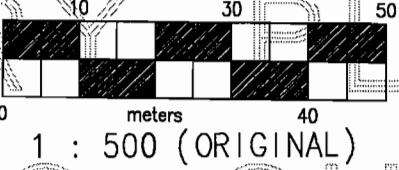
T. 2 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	8	22

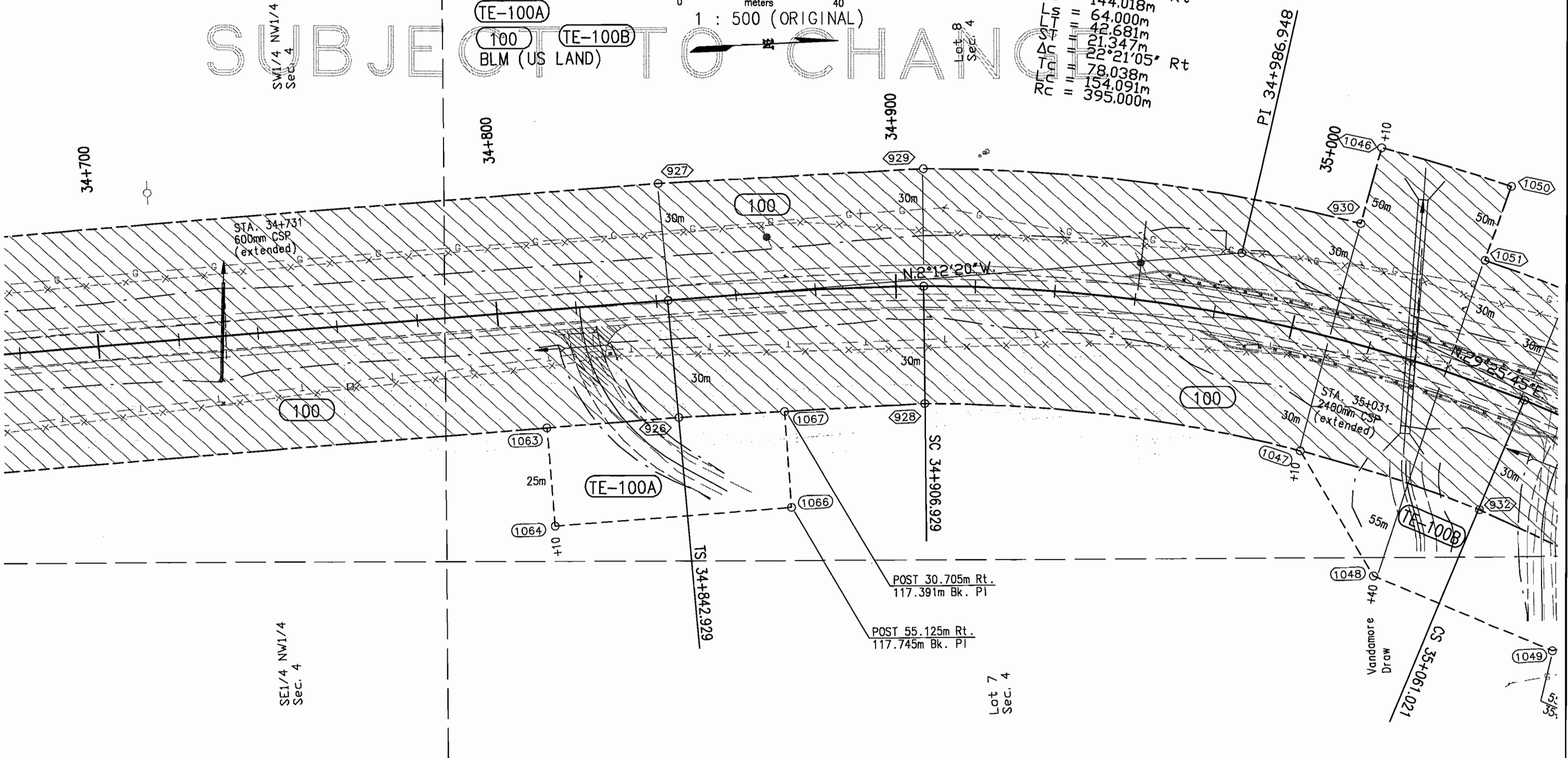
RIGHT OF WAY
BULL DRAW N & S

REVISIONS	

PRELIMINARY PLANS
SUBJECT TO CHANGE



$\Delta = 31^\circ 38' 05''$ Rt
 $\theta_s = 4^\circ 38' 30''$ Rt
 $ls = 144.018m$
 $Ls = 64.000m$
 $LT = 42.681m$
 $ST = 21.347m$
 $\Delta c = 22^\circ 21' 05''$ Rt
 $Tc = 78.038m$
 $Lc = 154.091m$
 $Rc = 395.000m$



FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	9	22

[illegible]

PRELIMINARY PLANS

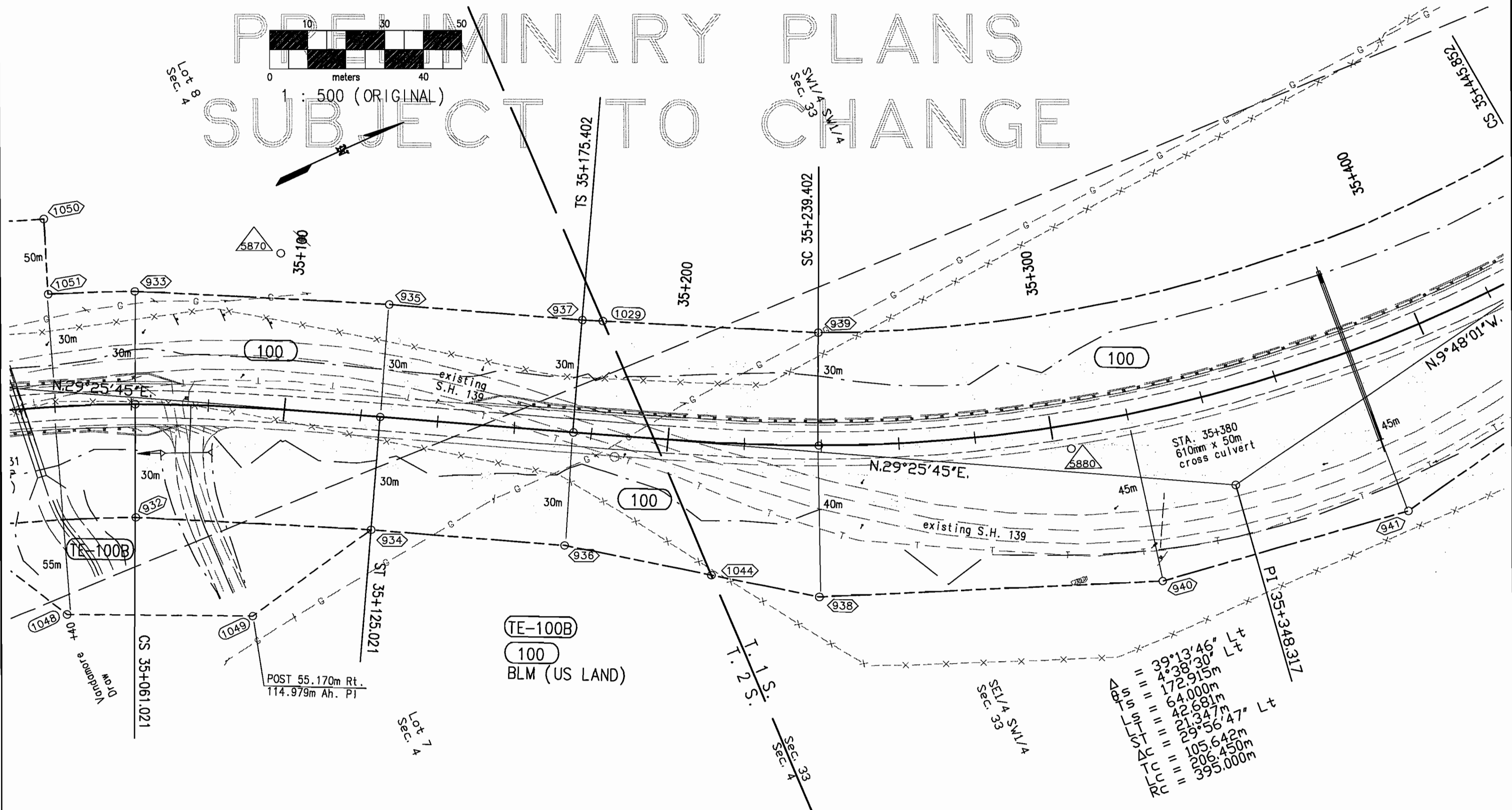
0 10 20 30 40 50
meters

1 : 500 (ORIGINAL)

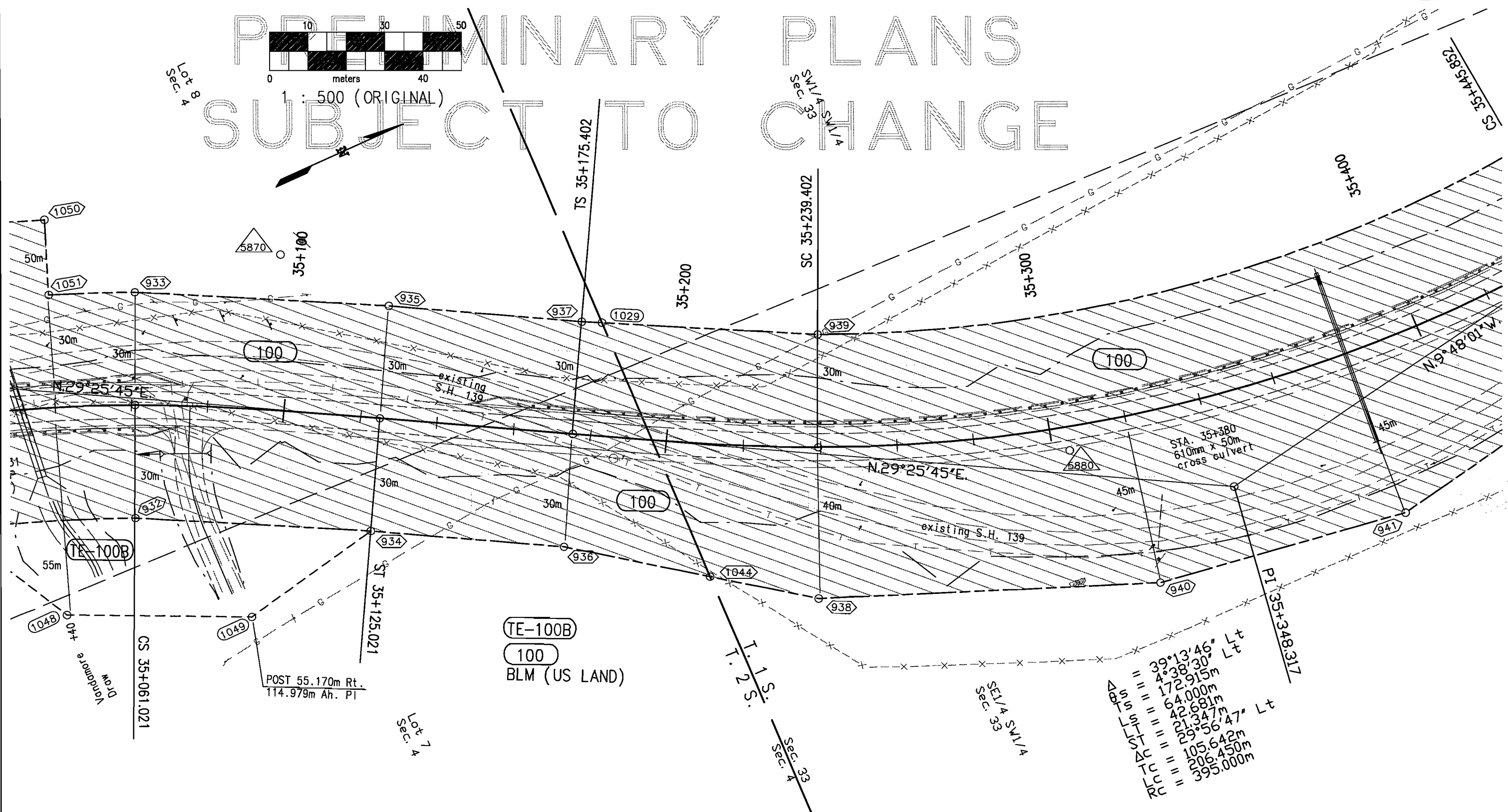
SUBJECT TO CHANGE

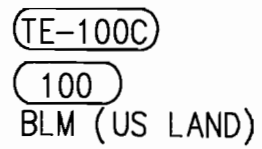
5.402

Sec. 1/3 SW 1/4
Sec. 1/3 SW 1/4



FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	9	22

[illegible]

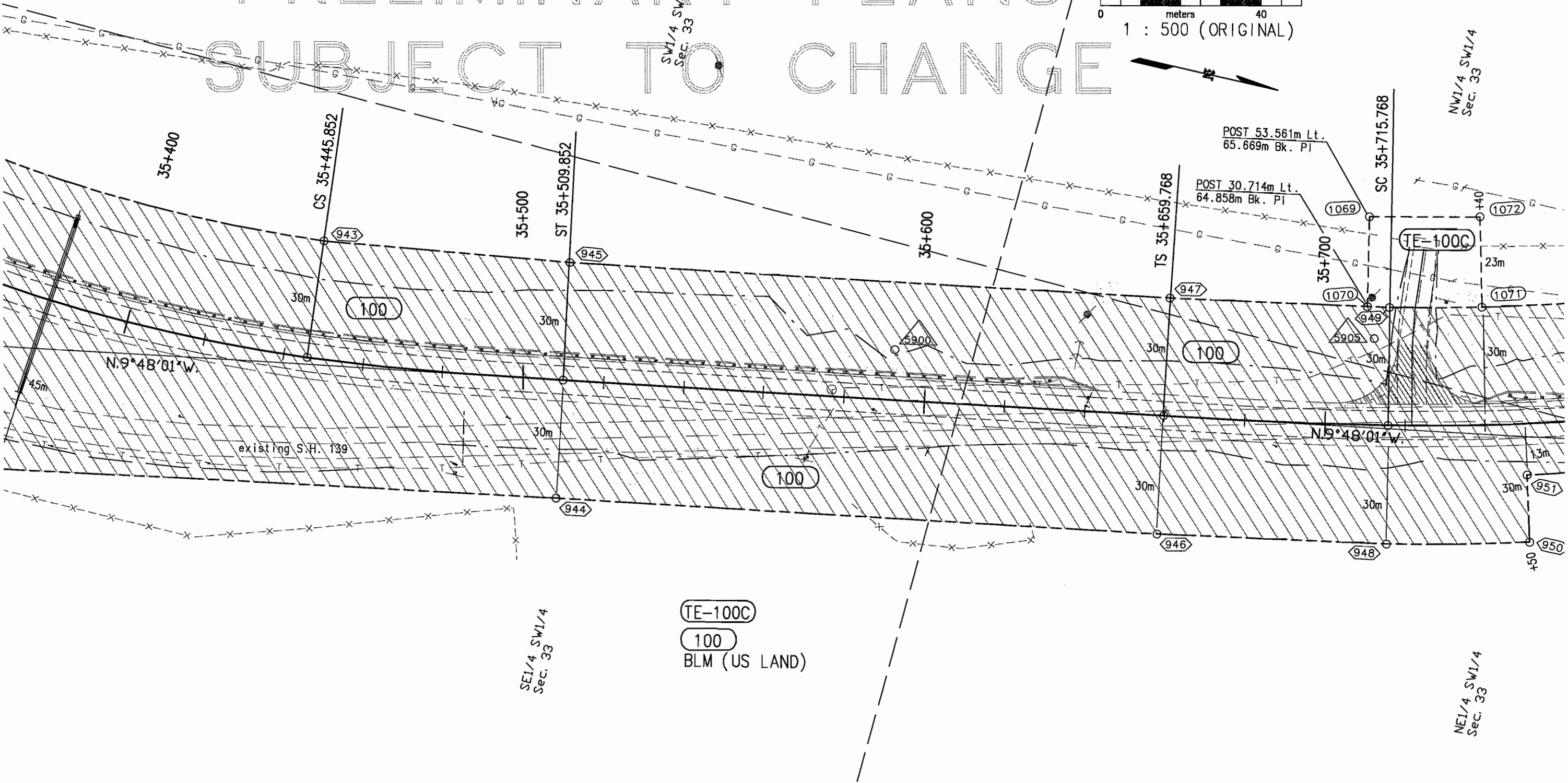
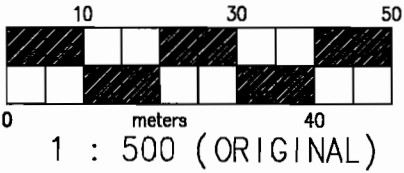
[illegible][illegible]

T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	10	22
REVISIONS				

RIGHT OF WAY
BULL DRAW N & S

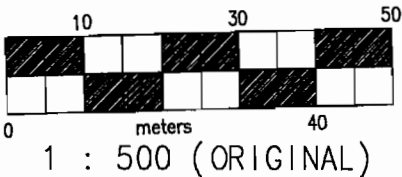
PRELIMINARY PLANS
SUBJECT TO CHANGE



T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	11	22
RIGHT OF WAY BULL DRAW N & S				
REVISIONS				

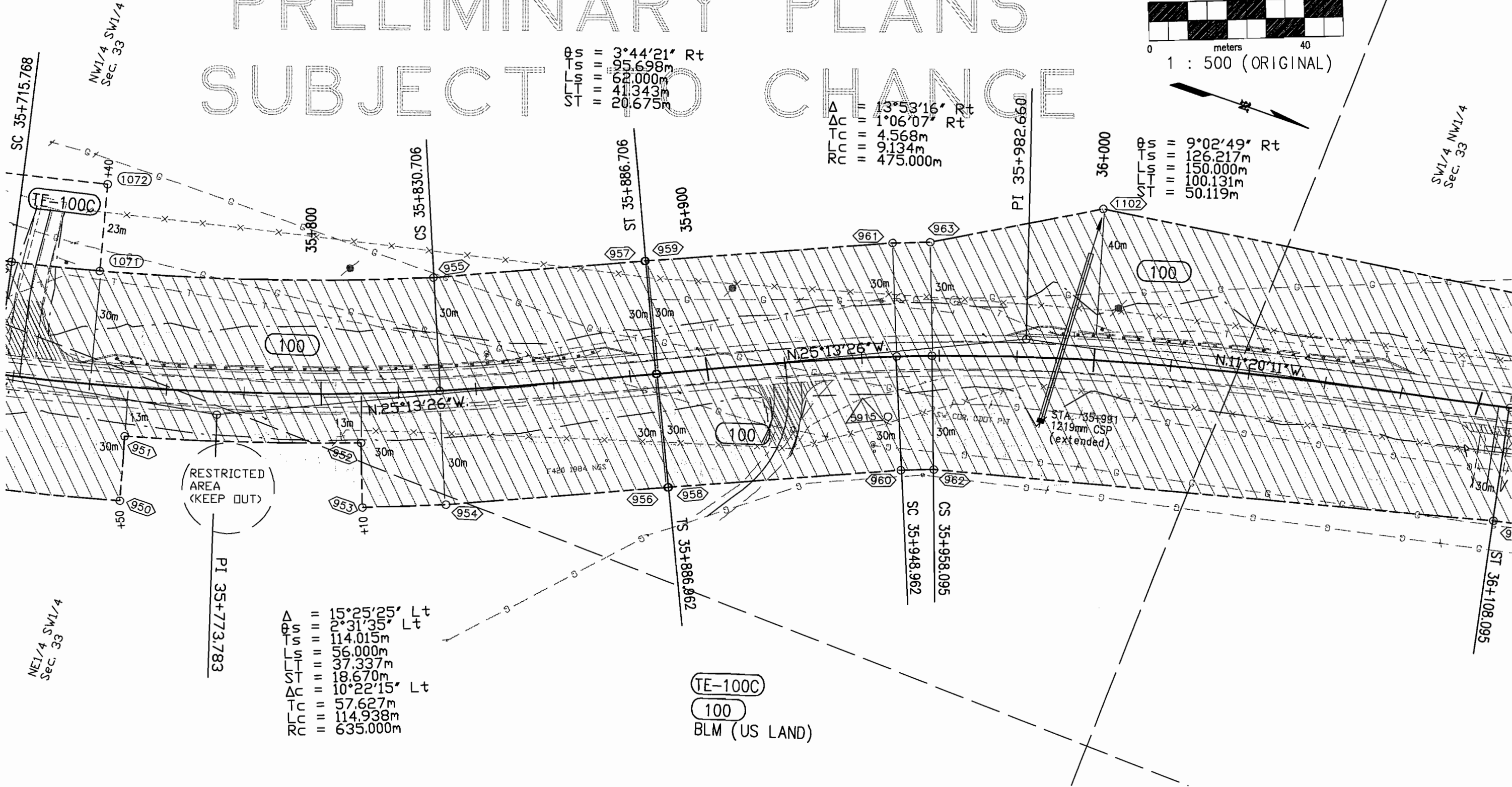
PRELIMINARY PLANS
SUBJECT TO CHANGE



$\theta S = 3^{\circ}44'21''$ Rt
 $Ts = 95.698m$
 $Ls = 62.000m$
 $LT = 41.343m$
 $ST = 20.675m$

$\Delta = 13^{\circ}53'16''$ Rt
 $\Delta c = 1^{\circ}06'07''$ Rt
 $Tc = 4.568m$
 $Lc = 9.134m$
 $Rc = 475.000m$

$\theta S = 9^{\circ}02'49''$ Rt
 $Ts = 126.217m$
 $Ls = 150.000m$
 $LT = 100.131m$
 $ST = 50.119m$



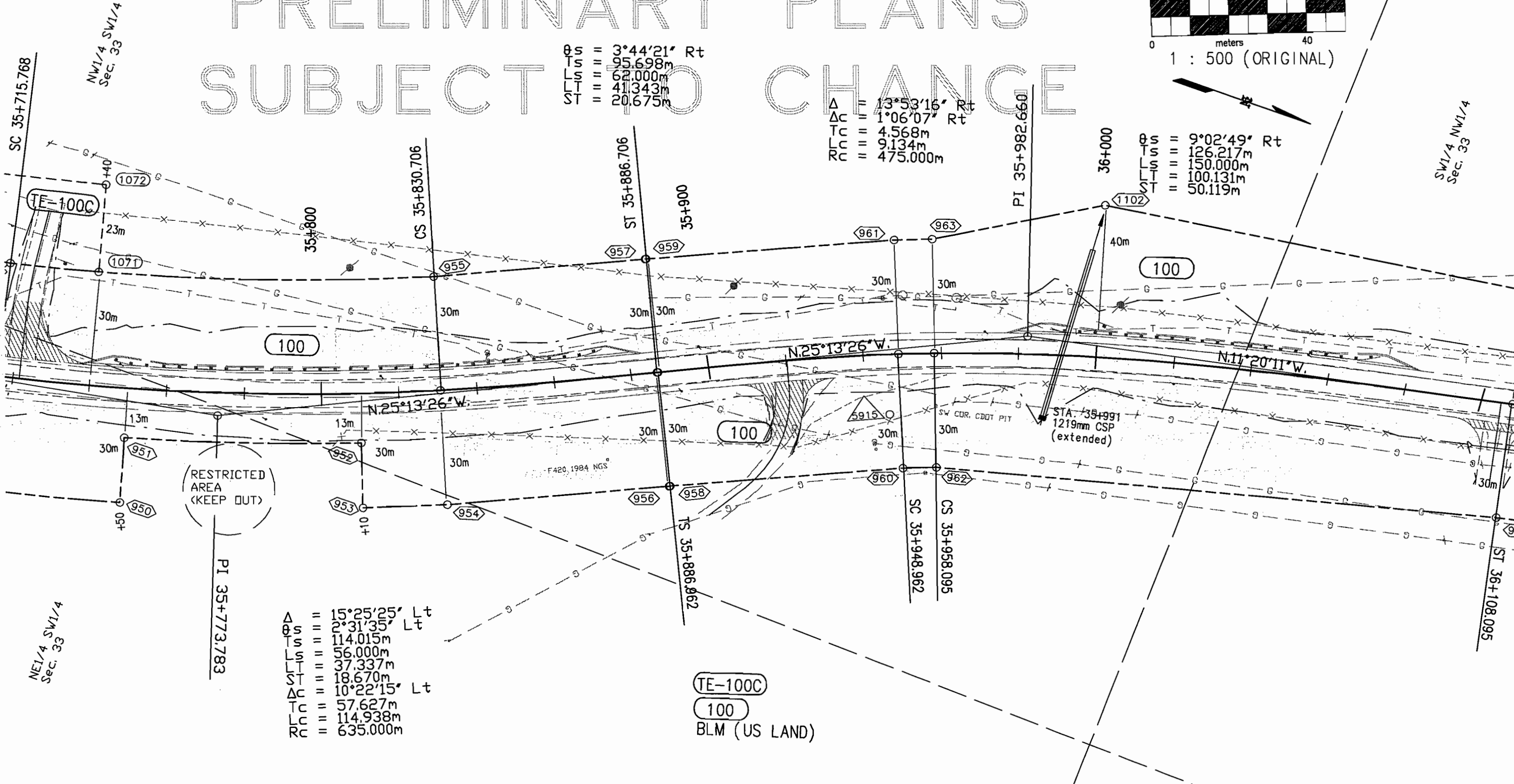
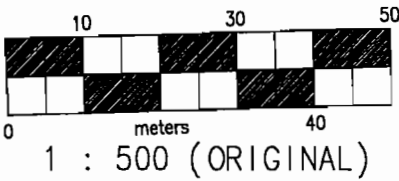
$\Delta = 15^{\circ}25'25''$ Lt
 $\theta S = 2^{\circ}31'35''$ Lt
 $Ts = 114.015m$
 $Ls = 56.000m$
 $LT = 37.337m$
 $ST = 18.670m$
 $\Delta c = 10^{\circ}22'15''$ Lt
 $Tc = 57.627m$
 $Lc = 114.938m$
 $Rc = 635.000m$

TE-100C
100
BLM (US LAND)

T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	11	22
RIGHT OF WAY BULL DRAW N & S				
REVISIONS				

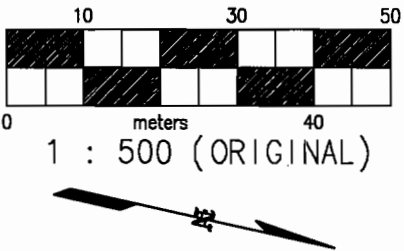
PRELIMINARY PLANS
SUBJECT TO CHANGE



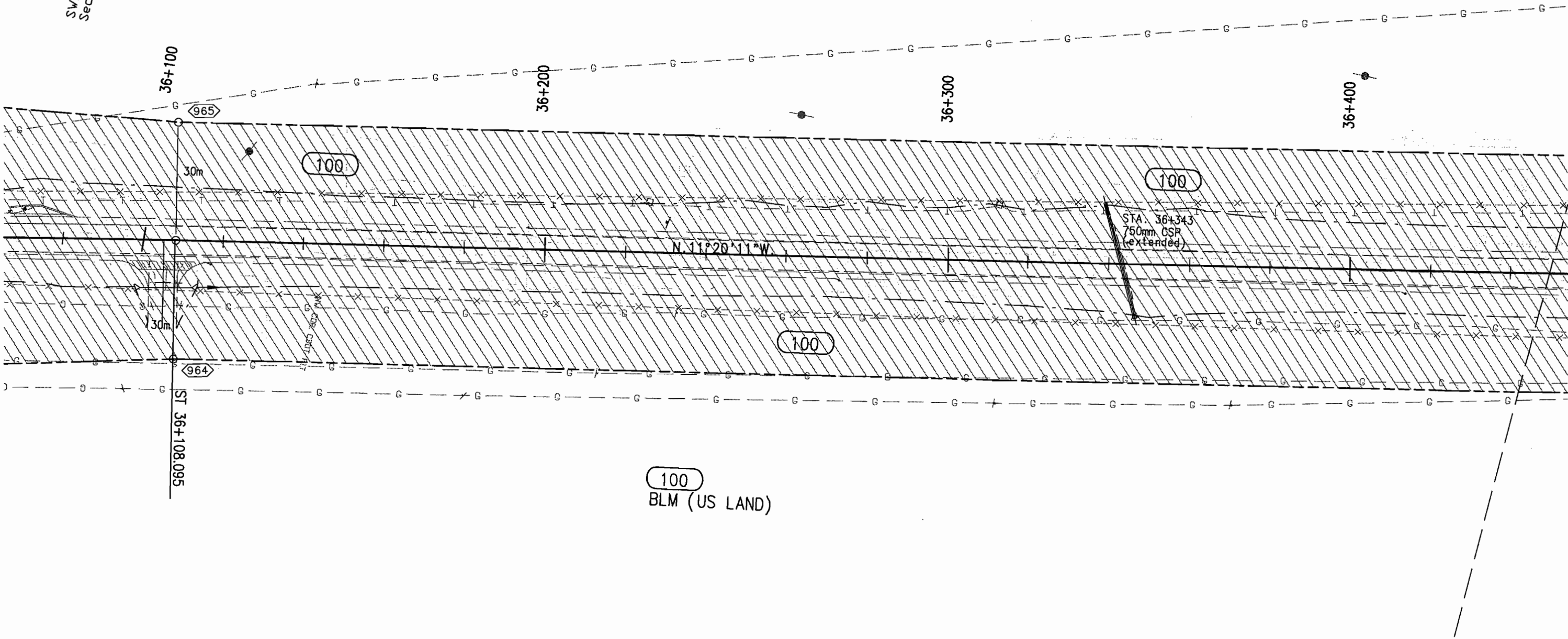
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	12	22
RIGHT OF WAY BULL DRAW N & S				
REVISIONS				

PRELIMINARY PLANS
SUBJECT TO CHANGE



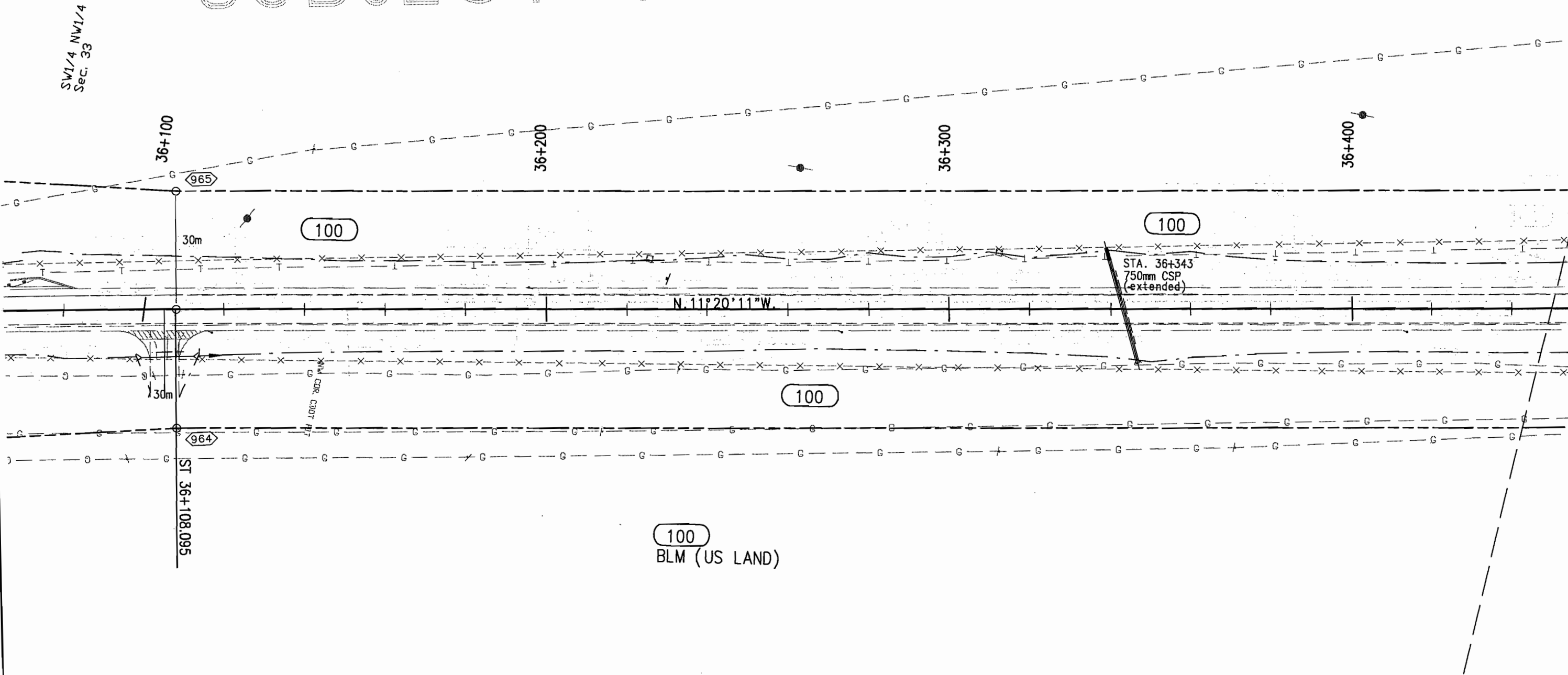
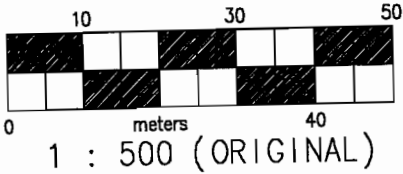
SW1/4 NW1/4
Sec. 33



T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	12	22
RIGHT OF WAY BULL DRAW N & S				
REVISIONS				

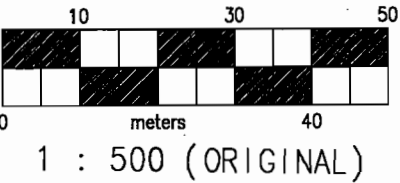
PRELIMINARY PLANS
SUBJECT TO CHANGE



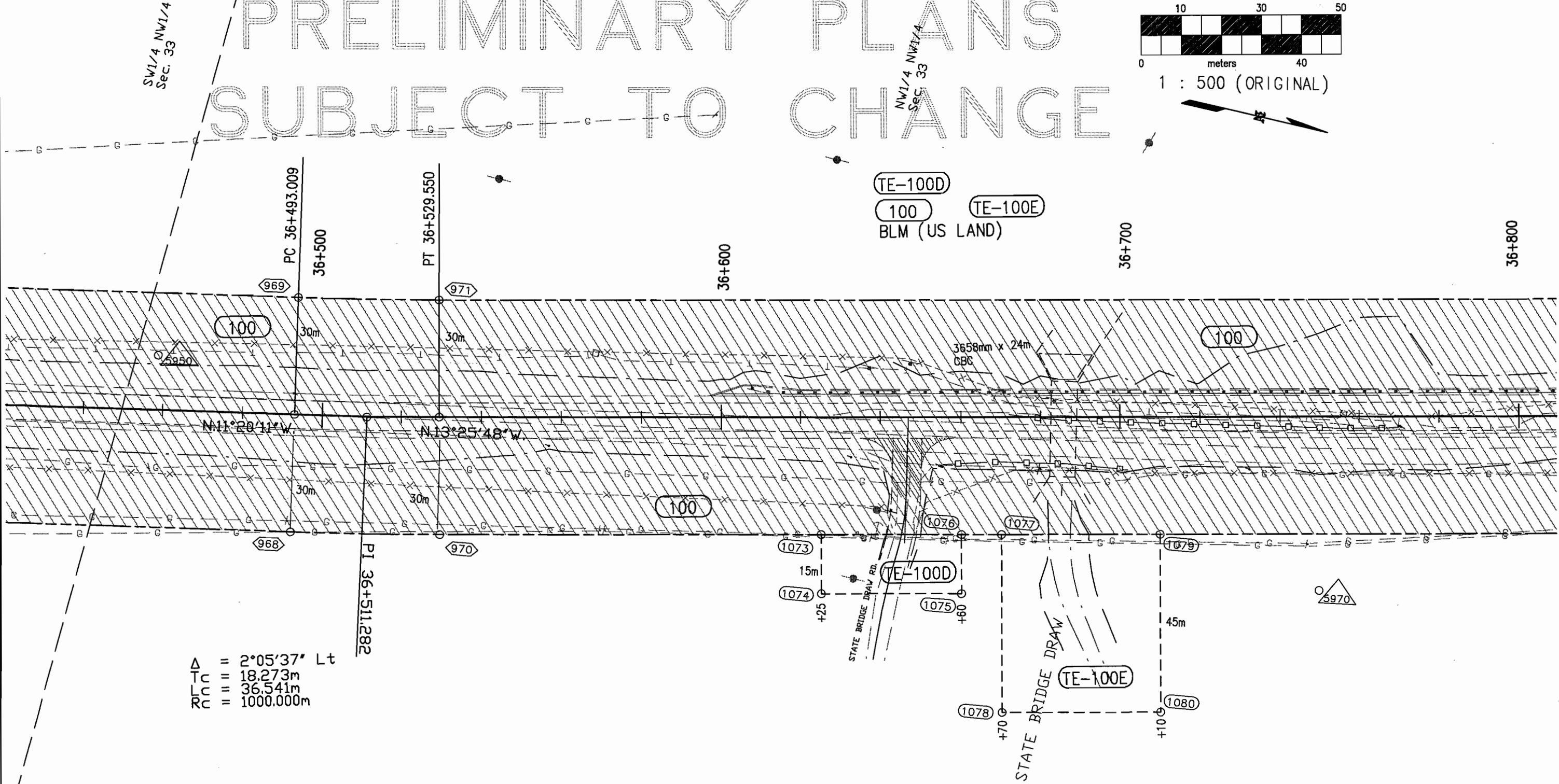
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	13	22
REVISIONS				

RIGHT OF WAY
BULL DRAW N & S



PRELIMINARY PLANS
SUBJECT TO CHANGE



$\Delta = 2^{\circ}05'37''$ Lt
 $T_c = 18.273m$
 $L_c = 36.541m$
 $R_c = 1000.000m$

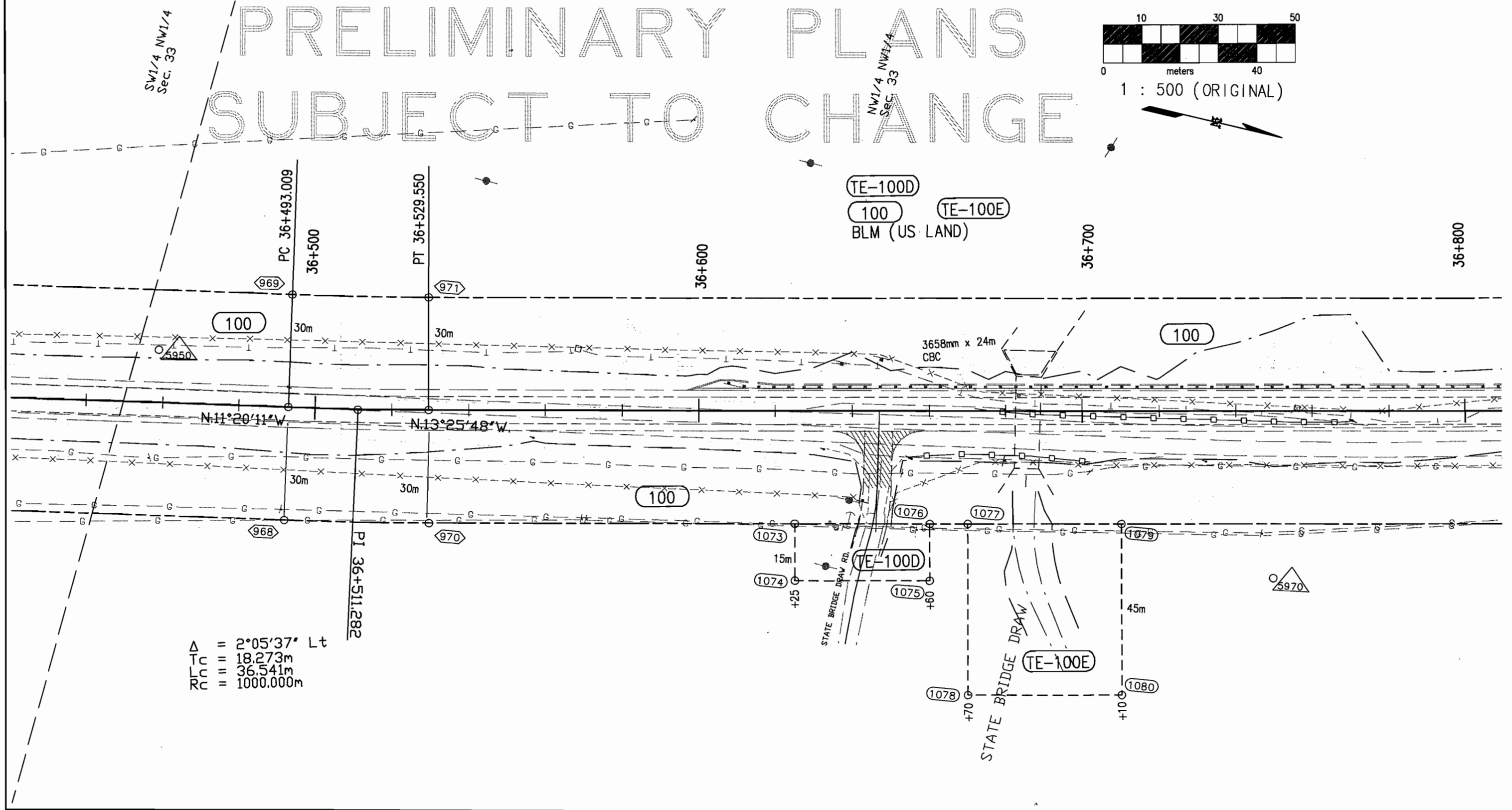
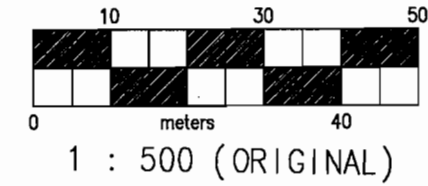
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	13	22

RIGHT OF WAY
BULL DRAW N & S

REVISIONS	

PRELIMINARY PLANS
SUBJECT TO CHANGE



$\Delta = 2^{\circ}05'37''$ Lt
 $T_c = 18.273m$
 $L_c = 36.541m$
 $R_c = 1000.000m$

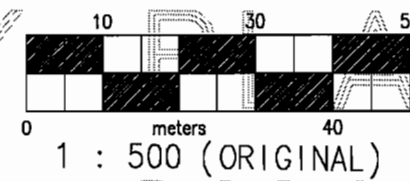
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	14	22

RIGHT OF WAY
BULL DRAW N & S

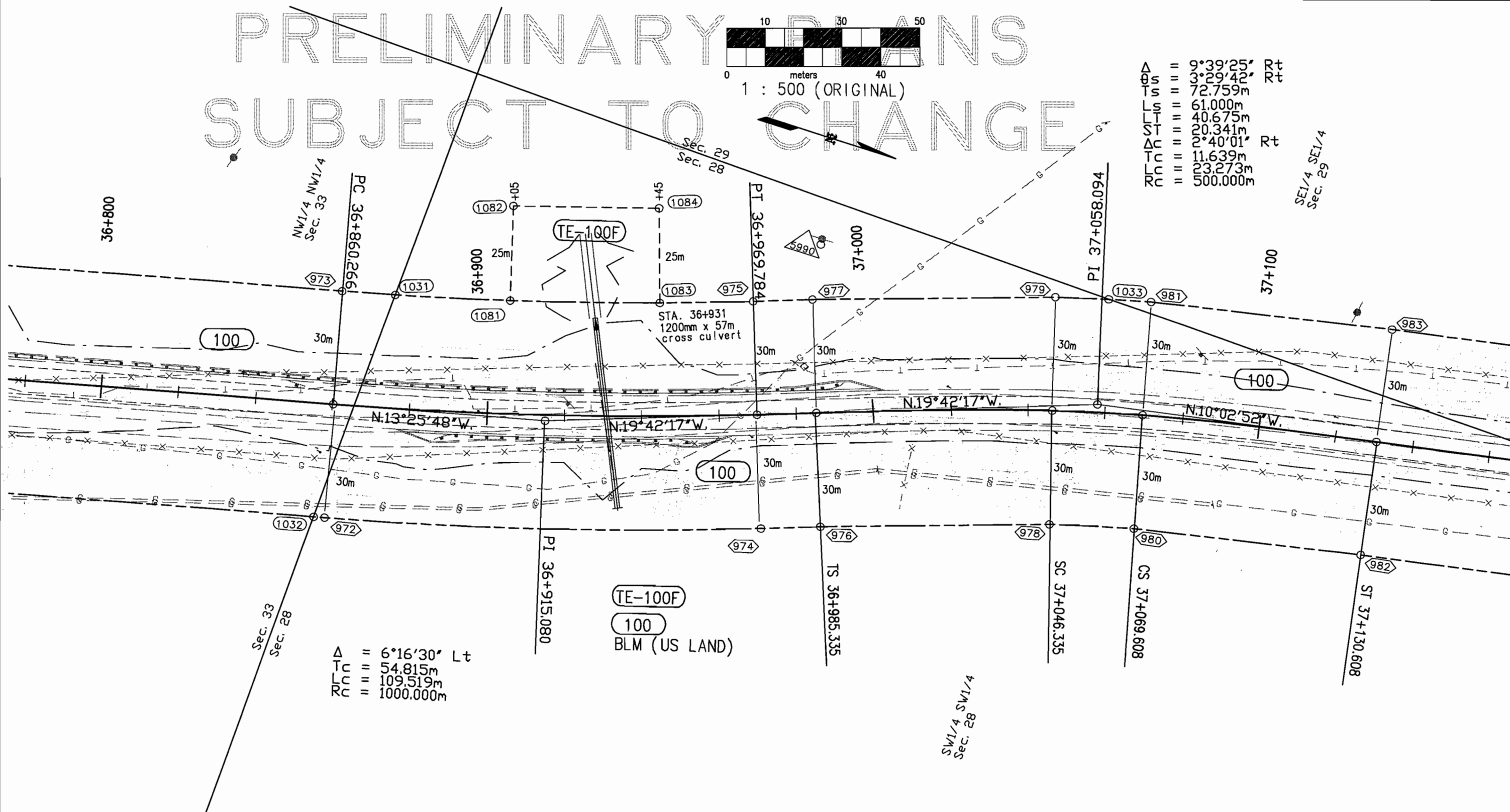
REVISIONS	

PRELIMINARY PLANS
SUBJECT TO CHANGE



Δ = 9°39'25" Rt
Ts = 3°29'42" Rt
Ls = 72.759m
Lt = 61.000m
ST = 40.675m
 Δ c = 20.341m
Tc = 2°40'01" Rt
Lc = 11.639m
Rc = 23.273m
Rc = 500.000m

SE1/4 SE1/4
Sec. 29



Δ = 6°16'30" Lt
Tc = 54.815m
Lc = 109.519m
Rc = 1000.000m

TE-100F
100
BLM (US LAND)

SW1/4 SW1/4
Sec. 28

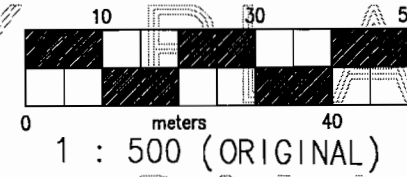
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	14	22

RIGHT OF WAY
BULL DRAW N & S

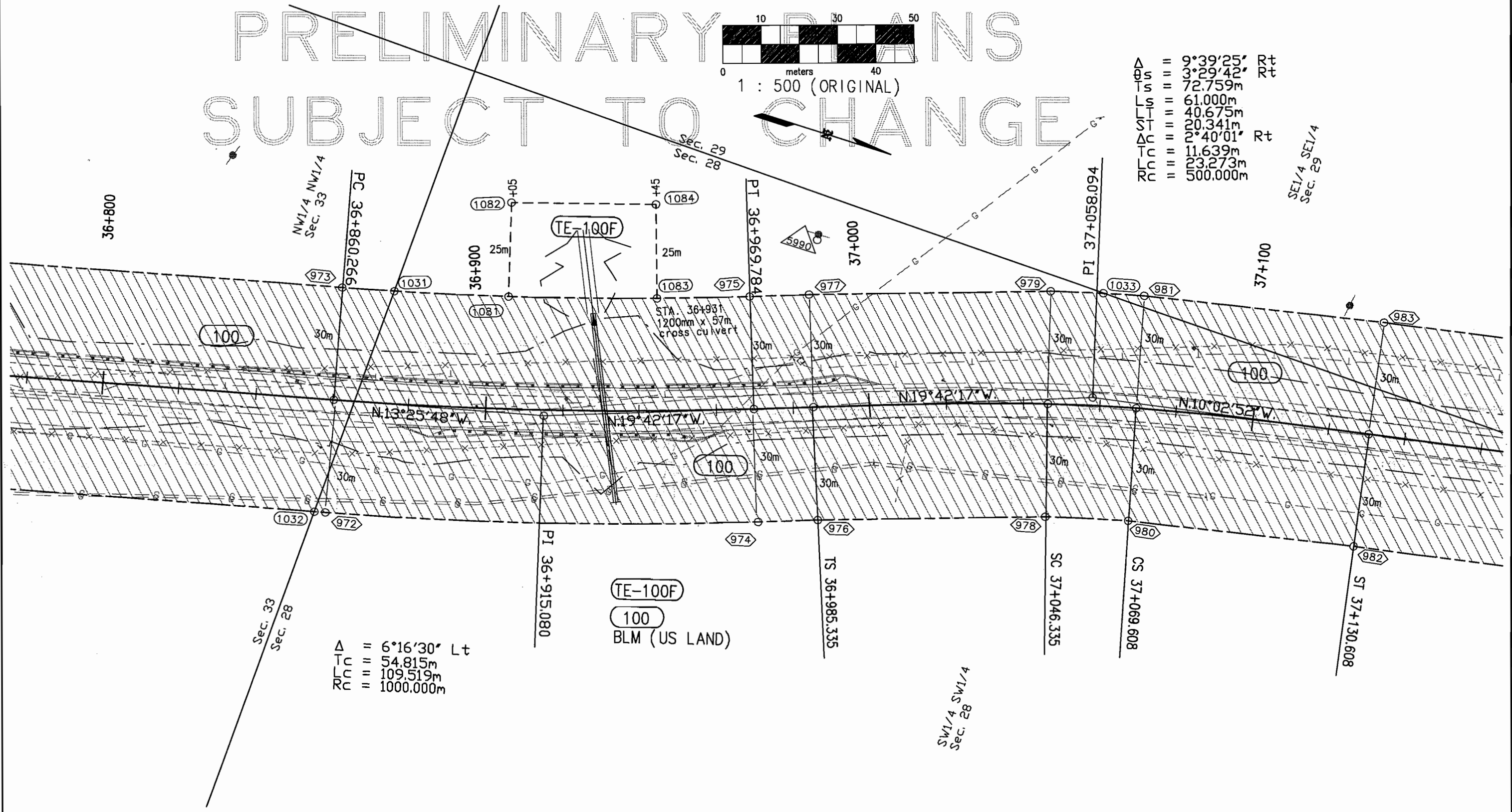
REVISIONS	

PRELIMINARY PLANS
SUBJECT TO CHANGE



Δ = 9°39'25" Rt
 θ = 3°29'42" Rt
 L_s = 72.759m
 L_t = 61.000m
 ST = 40.675m
 ΔC = 20.341m
 T_c = 2°40'01" Rt
 L_c = 11.639m
 R_c = 23.273m
 R_c = 500.000m

SE1/4 SE1/4
Sec. 29



Δ = 6°16'30" Lt
 T_c = 54.815m
 L_c = 109.519m
 R_c = 1000.000m

TE-100F
100
BLM (US LAND)

SW1/4 SW1/4
Sec. 28

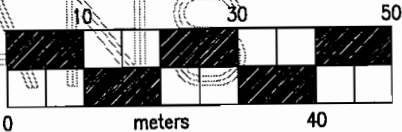
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	15	22

RIGHT OF WAY
BULL DRAW N & S

REVISIONS	

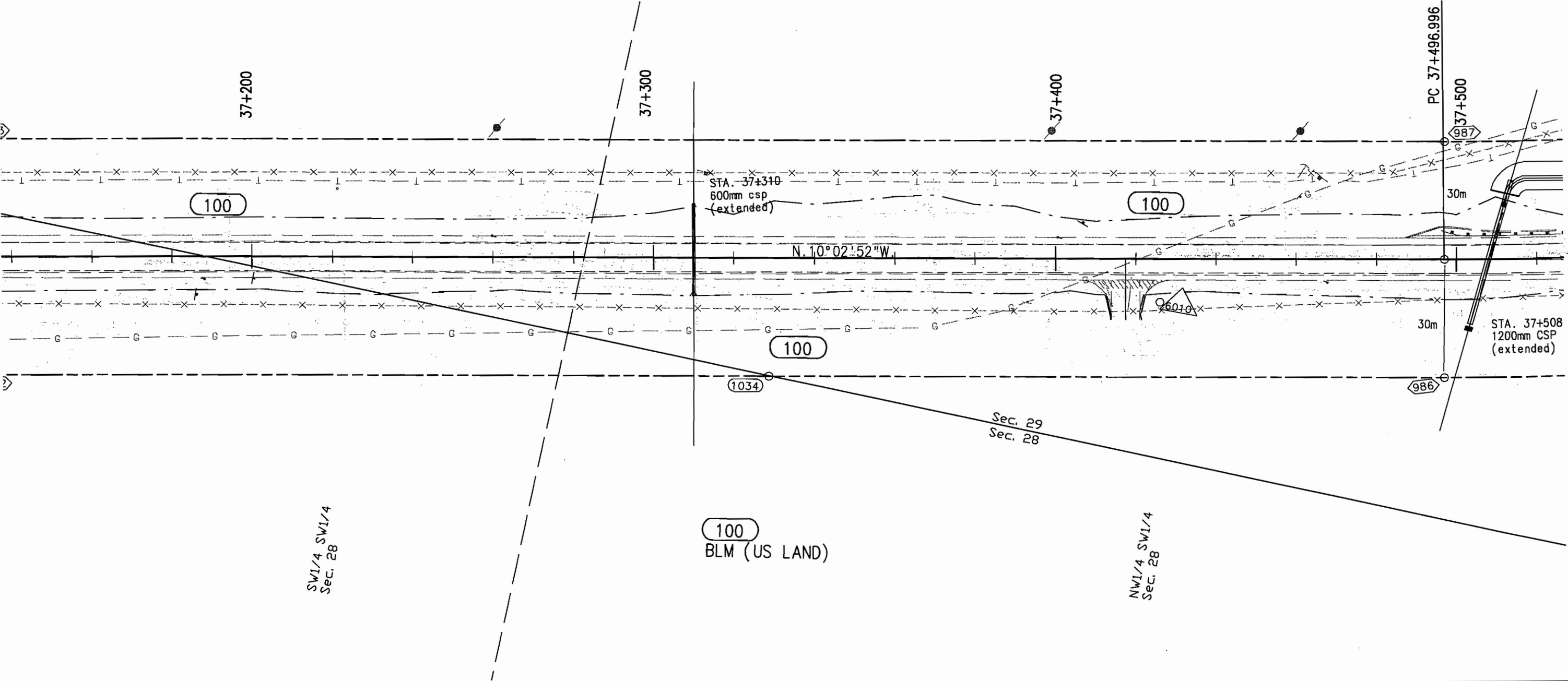
PRELIMINARY PLANS
SUBJECT TO CHANGE



1 : 500 (ORIGINAL)



NE1/4 SE1/4
Sec. 29



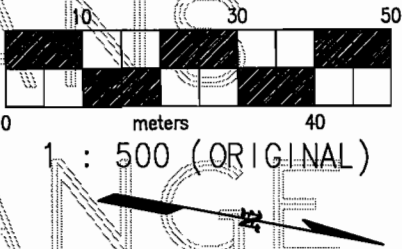
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	15	22

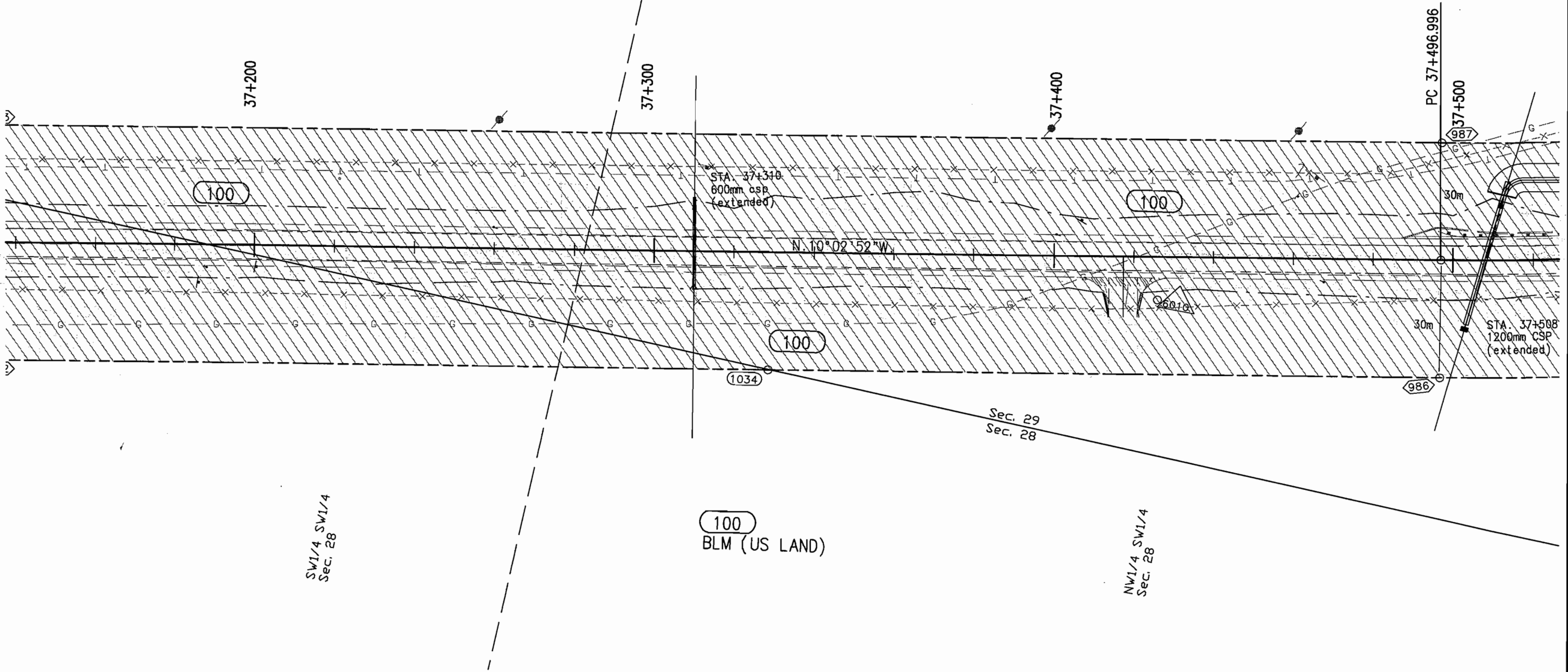
REVISIONS	

RIGHT OF WAY
BULL DRAW N & S

PRELIMINARY PLANS
SUBJECT TO CHANGE



NE1/4 SE1/4
Sec. 29

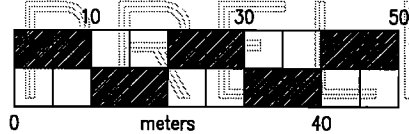


T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	16	22

RIGHT OF WAY
BULL DRAW N & S

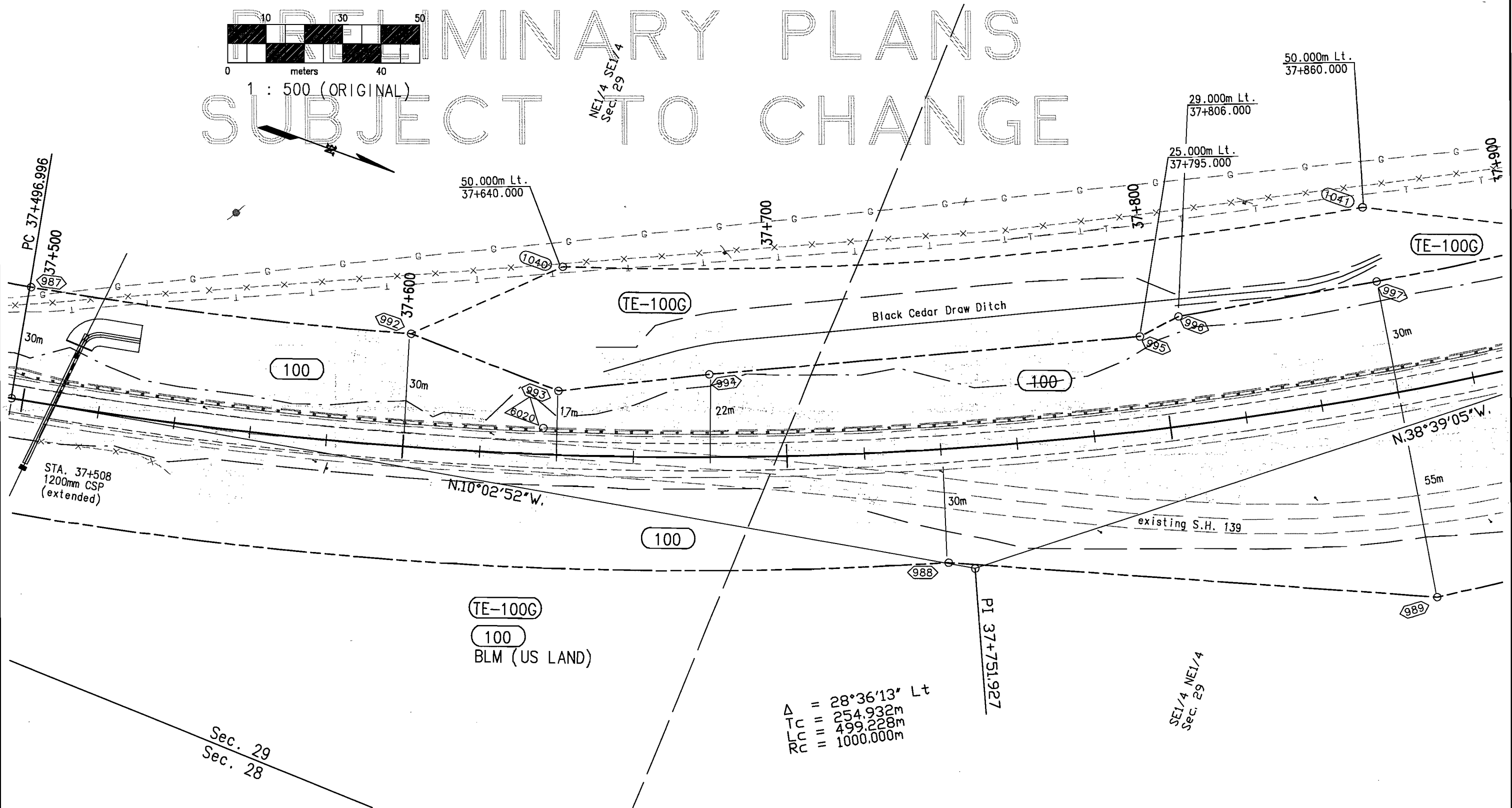
REVISIONS	



1 : 500 (ORIGINAL)

PRELIMINARY PLANS
SUBJECT TO CHANGE

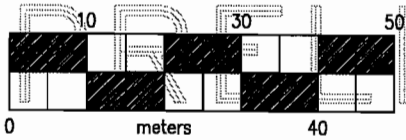
NE 1/4 Sec. 29
NE 1/4 Sec. 29



T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	16	22

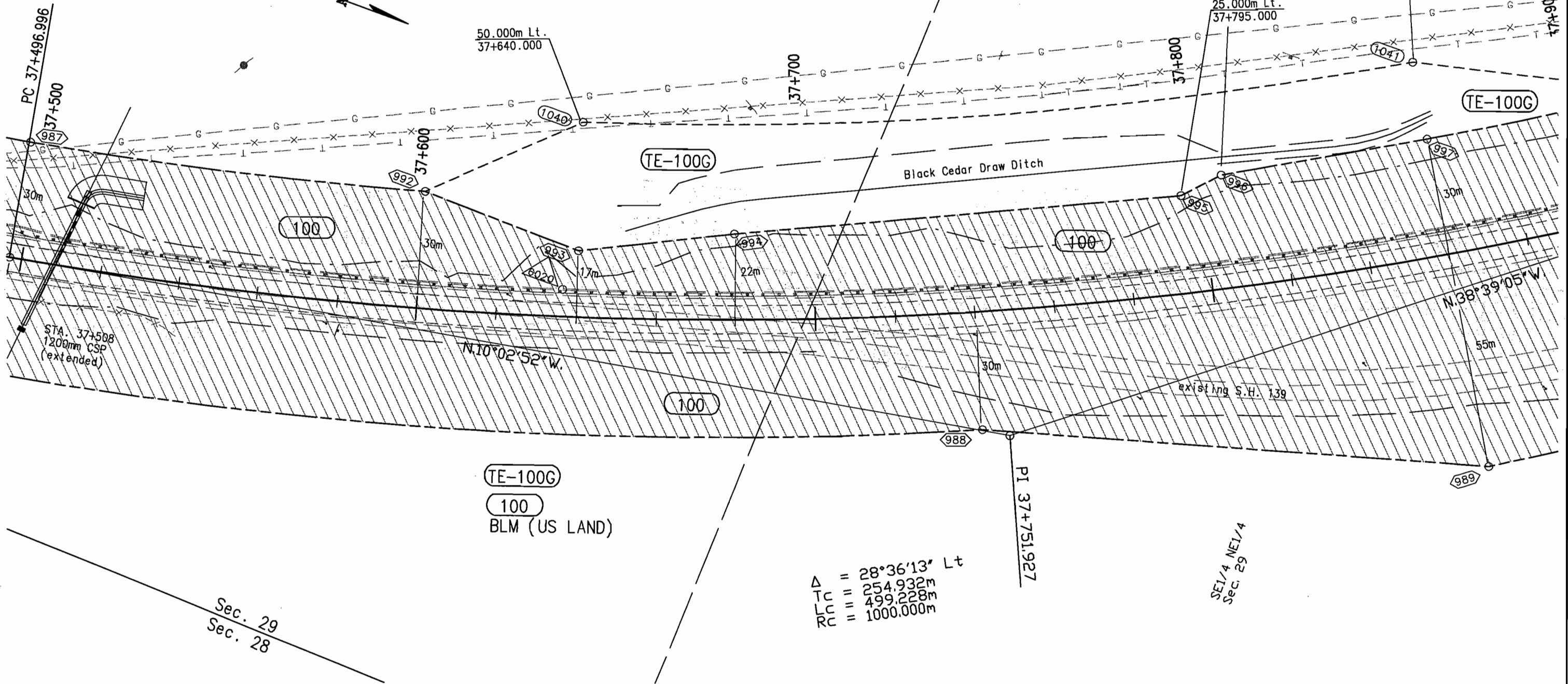
RIGHT OF WAY BULL DRAW N & S		REVISIONS	



1 : 500 (ORIGINAL)

PRELIMINARY PLANS
SUBJECT TO CHANGE

NE 1/4 Sec 29



Sec. 29
Sec. 28

SE 1/4 NE 1/4
Sec. 29

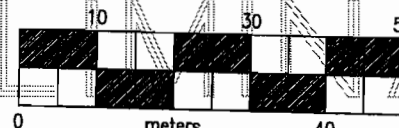
FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	17	22

[illegible]

PRELIMINARY PLANS
SUBJECT TO CHANGE

0 10 30 50
meters
1 : 500 (ORIGINAL)

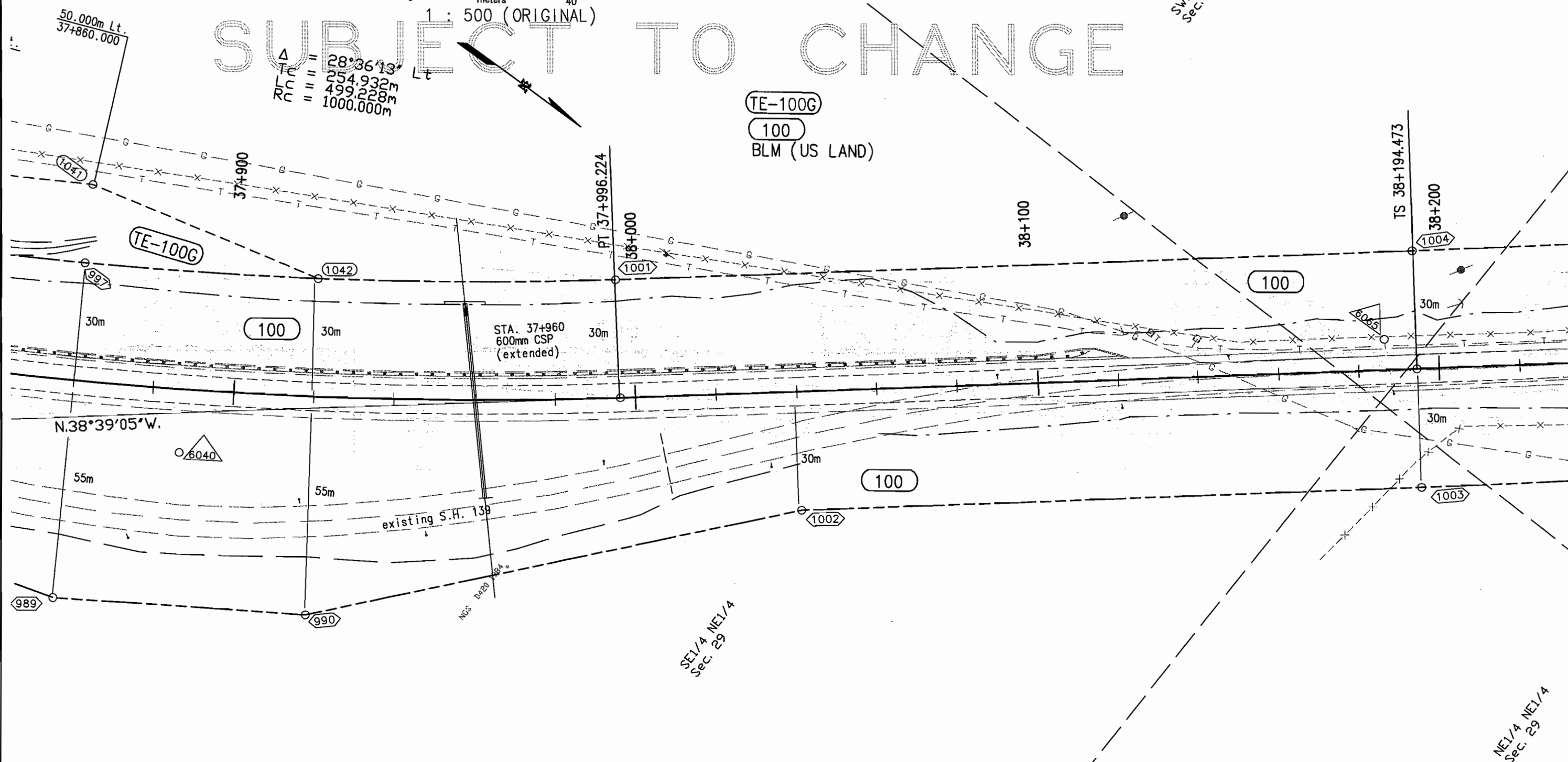
Δ
TC = 28°36'13"



1 : 500 (ORIGINAL)

Δ = 28°36'13"
Tc = 254.932m
Lc = 499.228m
Rc = 1000.000m

TE-100G
100
BLM (US LAND)



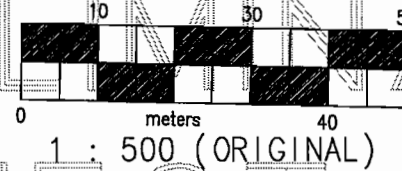
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	17	22

RIGHT OF WAY
BULL DRAW N & S

REVISIONS	

PRELIMINARY PLANS
SUBJECT TO CHANGE



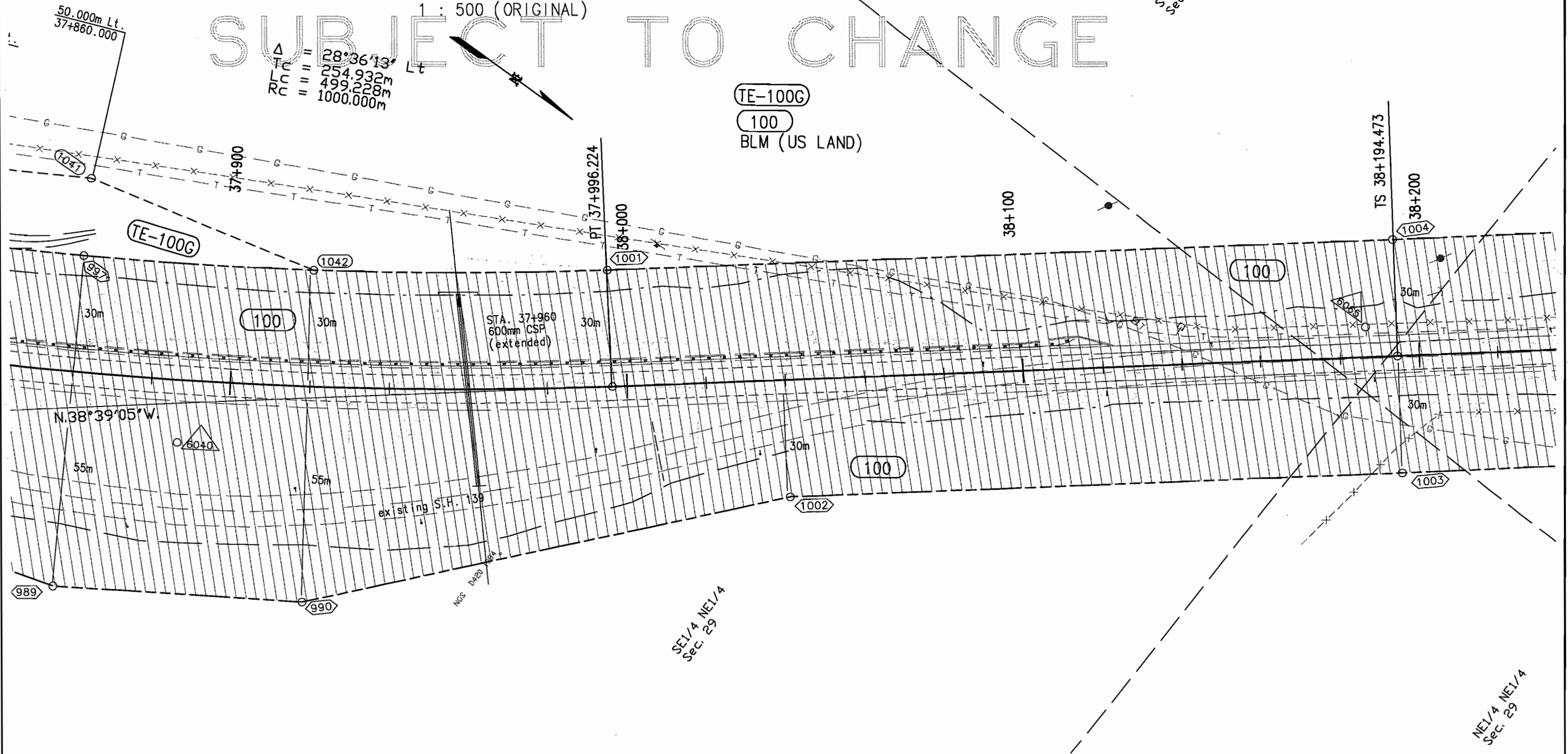
$\Delta = 28^{\circ}36'13''$
 $Te = 254.932m$
 $Lc = 499.228m$
 $Rc = 1000.000m$

TE-100G
100
BLM (US LAND)

SW1/4 NE1/4
Sec. 29

SE1/4 NE1/4
Sec. 29

NE1/4 NE1/4
Sec. 29



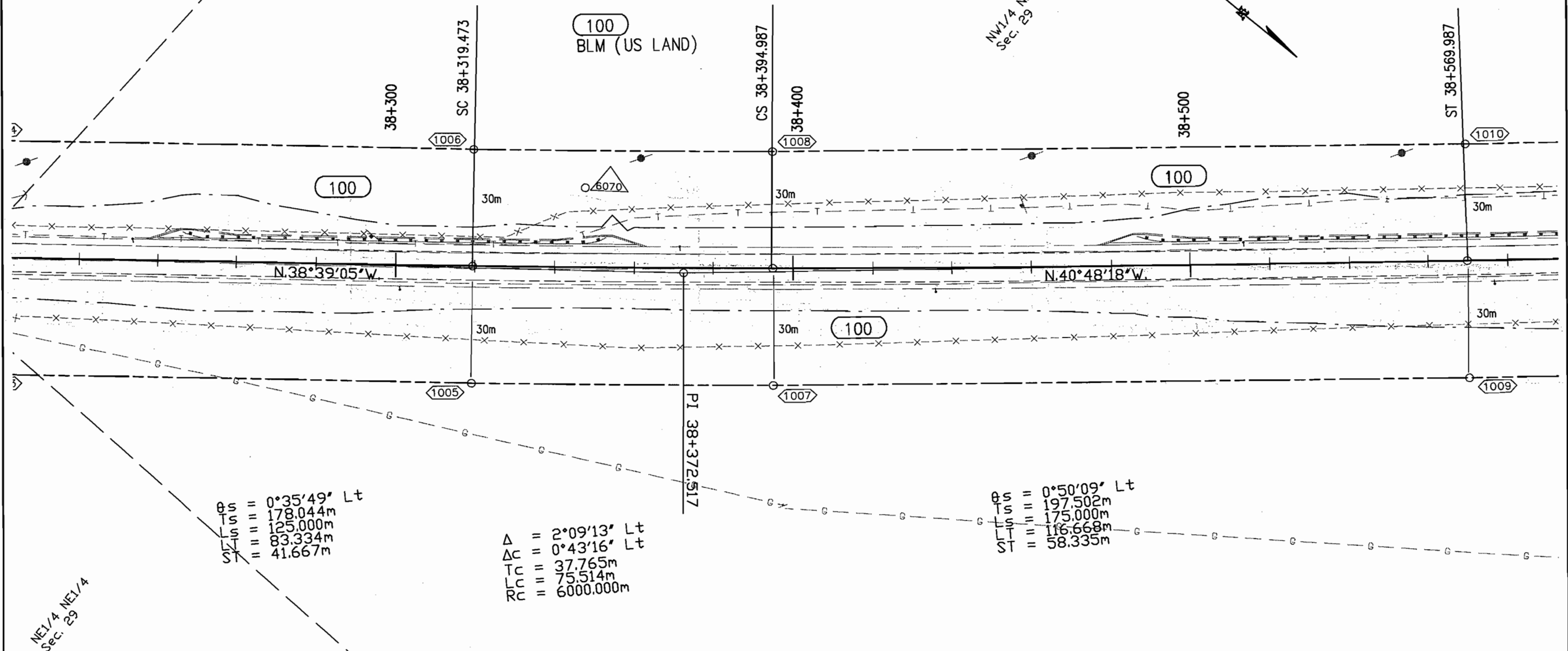
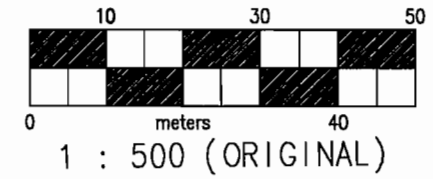
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	18	22

RIGHT OF WAY
BULL DRAW N & S

REVISIONS	

PRELIMINARY PLANS
SUBJECT TO CHANGE



FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	18	22

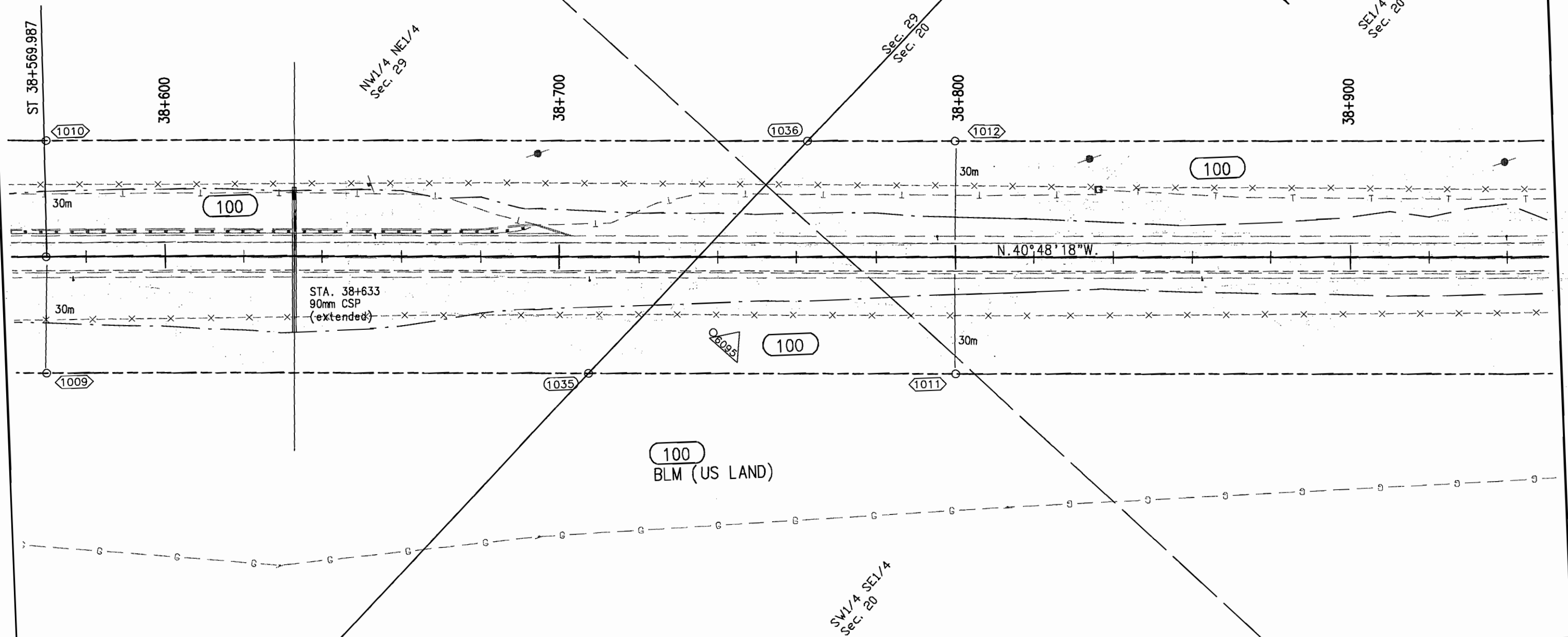
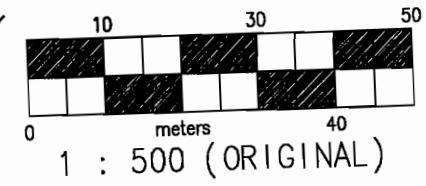
[illegible]

1 : 500 (ORIGINAL)



[illegible]

PRELIMINARY PLANS
SUBJECT TO CHANGE



FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	20	22

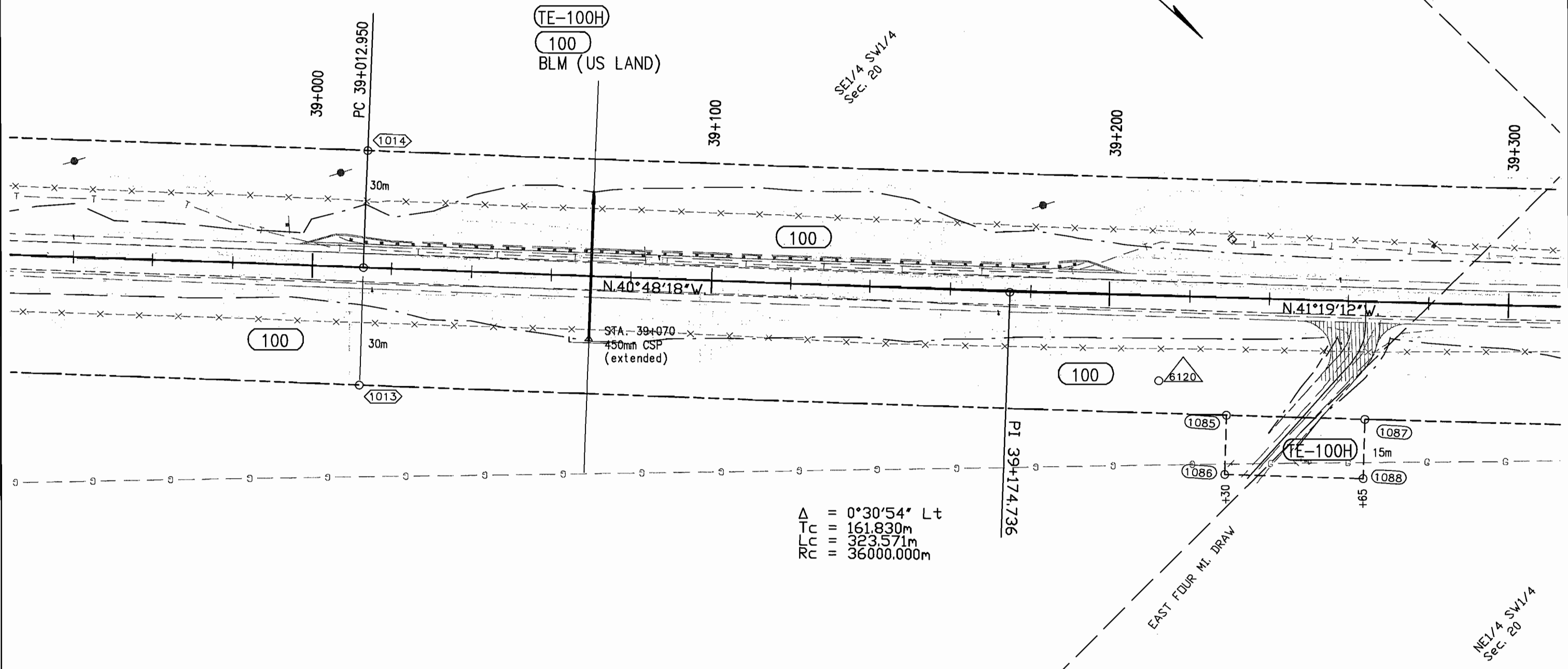
[illegible]

10 30 50

0 40

meters

1 : 500 (ORIGINAL)



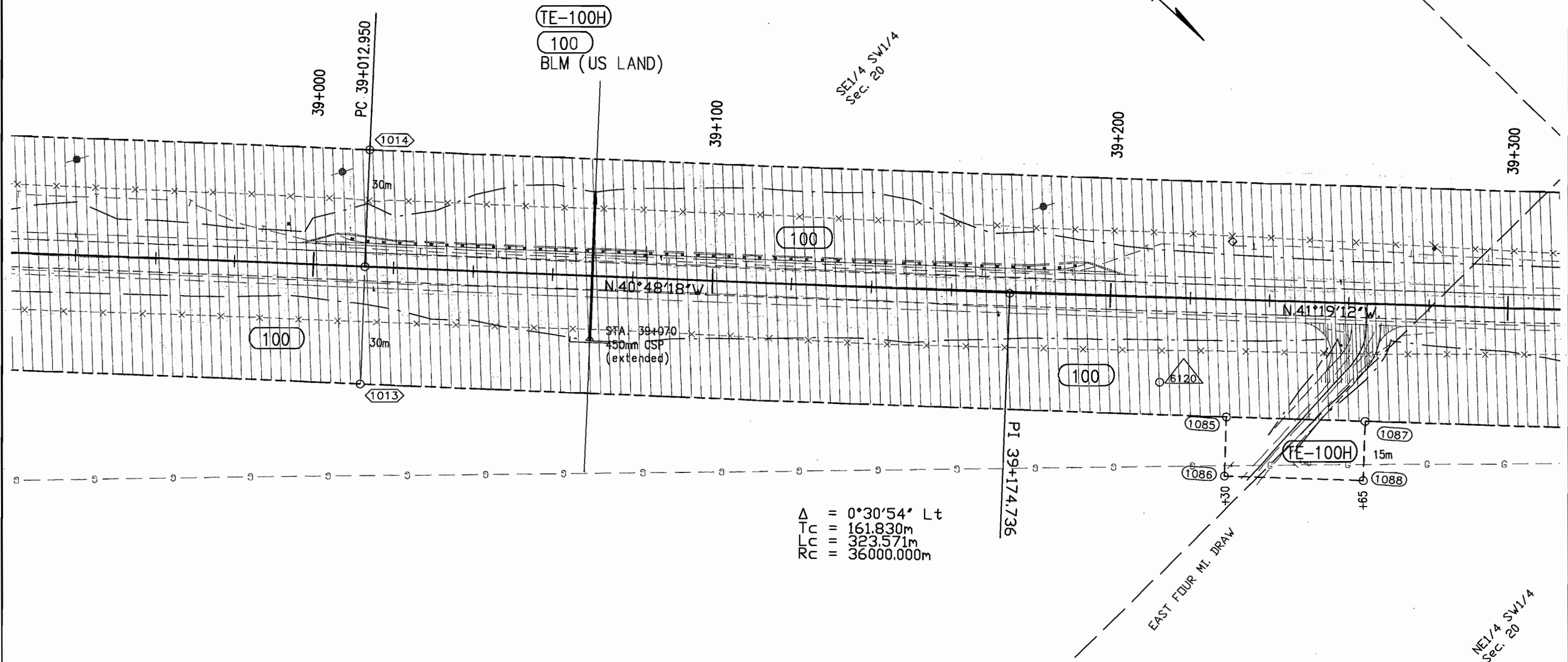
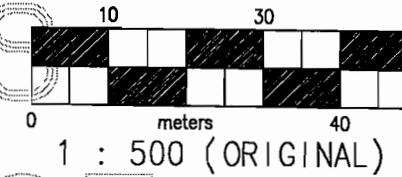
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	20	22

RIGHT OF WAY
BULL DRAW N & S

REVISIONS	

PRELIMINARY PLANS SUBJECT TO CHANGE



Δ = 0°30'54" Lt
Tc = 161.830m
Lc = 323.571m
Rc = 36000.000m

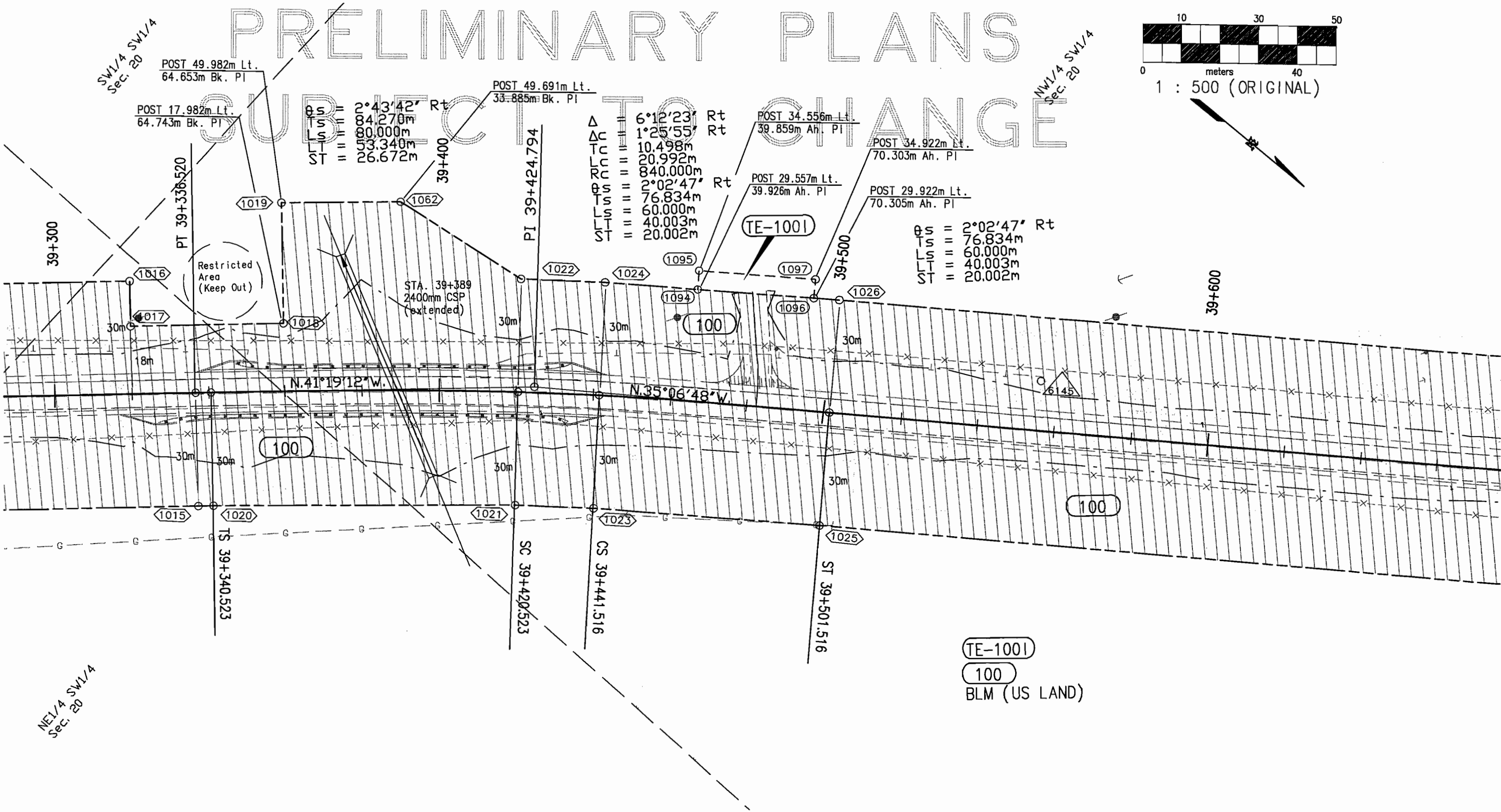
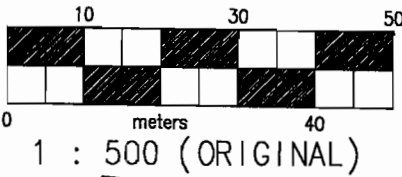
NE 1/4 SW 1/4
Sec. 20

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	21	22

[illegible]

T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	21	22
RIGHT OF WAY BULL DRAW N & S				
REVISIONS				



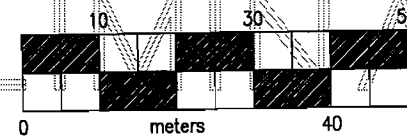
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	22	22

RIGHT OF WAY
BULL DRAW N & S

REVISIONS		

PRELIMINARY PLANS
SUBJECT TO CHANGE



1 : 500 (ORIGINAL)

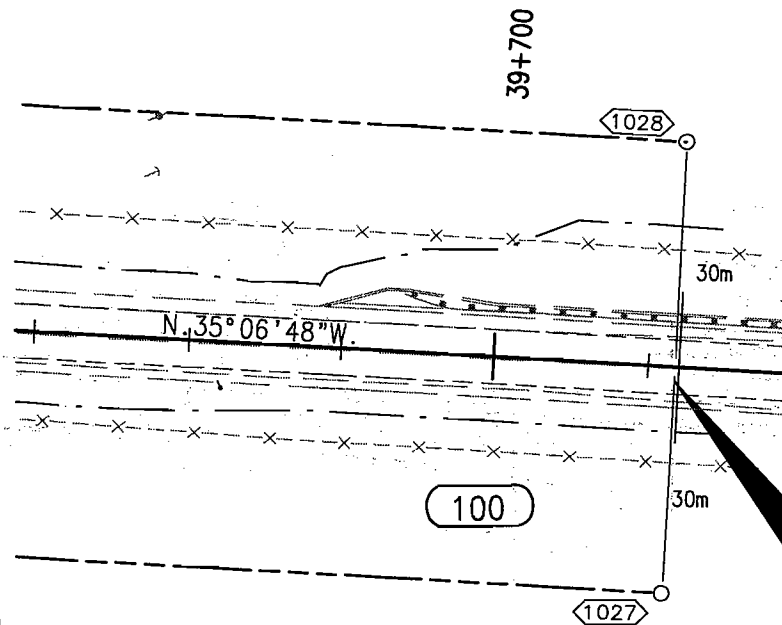
100
BLM (US LAND)

NW1/4 SW1/4
Sec. 20

Sec. 19
Sec. 20

SW1/4 NW1/4
Sec. 20

6170



TIE: SEC. COR. S18-17-19-20
BEARS: 877.447m, N.09°26'18.4"W.

End R.O.W. Proj. PLH 139A-023, Sta. 39+724.00=
Sta. 39+724.000, End Const. Proj. PLH 139A-023=
R.P. 61.57

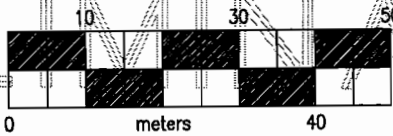
T. 1 S., R. 101 W., 6th P.M.
RIO BLANCO COUNTY

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PLH 139A-023	22	22

RIGHT OF WAY
BULL DRAW N & S

REVISIONS	

PRELIMINARY PLANS
SUBJECT TO CHANGE



1 : 500 (ORIGINAL)

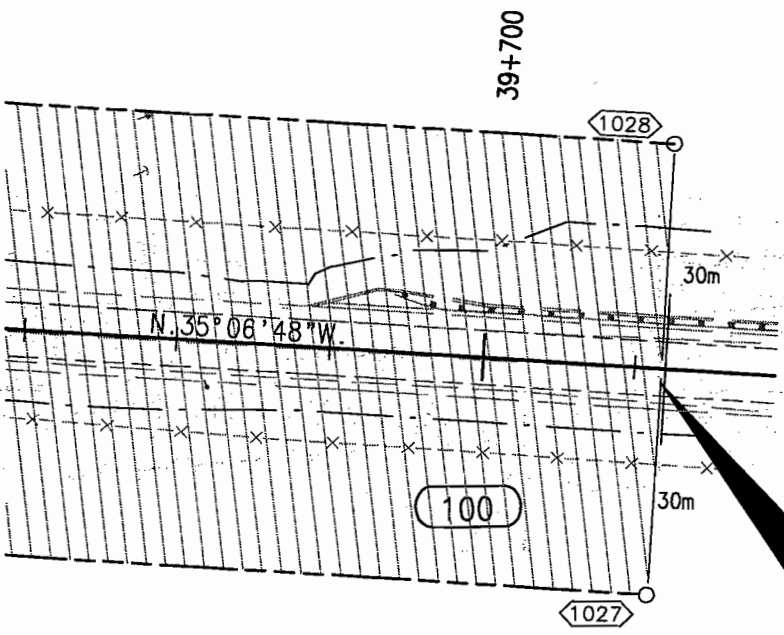
100
BLM (US LAND)

NW1/4 SW1/4
Sec. 20

Sec. 19
Sec. 20

SW1/4 NW1/4
Sec. 20

6170



TIE: SEC. COR. S18-17-19-20
BEARS: 877.447m, N.09°26'18.4"W.

End R.O.W. Proj. PLH 139A-023, Sta. 39+724.00=
Sta. 39+724.000, End Const. Proj. PLH 139A-023=
R.P. 61.57