

Construction Safety Plan (CSP) Checklist

14 CFR Part 139 Certificated Airports

Reference Advisory Circular 150/5370-2, *Operational Safety on Airports during Construction.*

All Applicable Items Must Be Included in Initial CSP Submittal

<p>Project Description: The Elgin O’Hare - West Bypass project is a preliminary engineering and environmental study focusing on the development of transportation system improvements to the west of O’Hare Airport.</p> <p>Proposed Start/End Date: Project is currently in early planning phase. Actual construction timeline is not yet established.</p>	Included	N/A
SCOPE OF WORK:		
Clearly identify the scope of work to be performed per phase, including proposed location and duration of work.		Development of a transportation system improvement concept for the Elgin O’Hare-West Bypass study area, including a DEIS and FEIS. Completion date – 2010.
AIRPORT RESCUE AND FIRE FIGHTING (ARFF):		
Clear routes depicted from ARFF stations to active airport operations areas and safety areas, around construction areas.		X
Provisions to notify ARFF personnel when working on water lines.		X
Emergency access roads affected by construction.		X
SECURITY:		
Identification of construction personnel and equipment.		X
Security control on temporary gates and relocated fencing.		X
GROUND VEHICLES:		
Ground vehicle driver’s training program description.		X
Contractors with unescorted access trained, or escorted, in accordance with ACM.		X
Vehicle marking and color requirements.		X
Penalty outlined for anyone involved in a vehicle deviation/runway incursion.		X
Employee parking areas identified (off airfield).		X
Construction vehicle parking restrictions noted.		X
CONSTRUCTION AREAS:		
Clearly depict all haul routes, time frame for use.		X

Barricade placement, description included.		X
Entry points for vehicles depicted.		X
	Included	N/A
Elevation of equipment operating on haul routes (only if not an existing road).		X
Foreign Object Debris (FOD) removal for haul routes that cross movement areas.		X
EXCAVATION / TRENCHES:		
Open excavations are identified to include distances from runway centerline, including duration. Will runway/taxiway be open with excavation present?		X
Marking and lighting for excavation.		X
Identify how the trenches will be covered and duration.		X
RUNWAY SAFETY AREAS (RSA):		
Clearly identify RSAs for each proposed and existing runway affected.	X	
Clearly identify construction located within the RSA, including scope of project and timeframe. If RSA will be reduced for construction, this must be identified.	X	Conceptual roadway design and preliminary footprints are included. Detailed design plans will be developed in subsequent phases of the project.
RUNWAYS:		
If a threshold is temporarily relocated (partial closure) include:		X
New Runway Length that will be available-		X
Threshold coordinates of temporary threshold and elevation		X
Description of new RSA equal to what existed prior to construction		X
Description of Lighting, Marking and Signage that will be available-		X
Distance Remaining signs, lighting color scheme		X
Proper NOTAMS (partial closure)		X
Status of NAVAID during temporary relocated threshold.		X
If a new permanent threshold is implemented (runway extension or shortening), ensure the following is completed prior to re-opening of the runway.		X
Obstruction survey required in scope of project		X
Part 139 inspection coordination		X
New Marking and Lighting Plan		X
New Runway Length, including threshold coordinates and elevations (FAA Form 7480-1)		X
Applicable ACM revisions		X

Specify if declared distances are implemented (TORA, TODA, ASDA, LDA)		X
TAXIWAY SAFETY AREAS (TSA):		
Scope and timeframe for constructions activities affecting TSA.		X
Specify the TSA dimensions for each existing and proposed taxiway affected.		X
If working within the TSA, description of use and procedures during aircraft operations.		X
MARKING AND LIGHTING:		
Lighting will be shielded to not effect the air traffic control tower or flight crews.		X
Marking and lighting of construction equipment.		X
Marking and lighting of construction areas.		X
Marking and lighting of closed airfield pavement areas.		X
Type of barricades, height and/or location, and light color.		X
Lighted X's location.		X
EQUIPMENT / STOCKPILING:		
Cranes/Equipment, provide for each point:		X
Location Coordinates		X
Ground Elevation		X
Height and Schedule		X
Description of the Crane/Equipment		X
Fence Line Placement depicts FAA cable and duct banks in the vicinity.		X
Batch Plant/Material Sorting/Stockpile Area		X
Location Coordinate		X
Maximum Structure Height		X
Duration (Permanent/Temporary)		X
NAVAIDS:		
Location of all existing and proposed NAVAIDS should be depicted.	X	Light plane, RPZ, TERPS and OIS shown as applicable
Existing and proposed NAVAID critical areas should be depicted	X	
Shutdown and/or protection of airport electronic/visual aids		X
Location of power & control lines for electronic/visual NAVAIDs and infrastructure.		X
Provision for temporary utilities and/or immediate repairs.		X
Work in NAVAID critical areas:		

Scope of Work		X
Duration		X

	Included	N/A
WILDLIFE MANAGEMENT:		
Ensure provisions are incorporated into the plan to minimize wildlife attractants during construction.		X
Construction plan must be in accordance with airports Wildlife Hazard Management Plan / Provisions (if applicable)		X
Ensure procedures, fencing and/or gates are in place to prevent inadvertent entry of wildlife hazards.		X
COMMUNICATION/NOTAMs:		
Proper NOTAMs issued describing current airport conditions, including cranes, construction areas, etc...		X
Points of Contact identified for relevant Airport/FAA/Consultants personnel on-site during construction duration.		X
14 CFR PART 139 COMPLIANCE:		
Provide adequate construction oversight to ensure Part 139 compliance.		X
All construction areas must be inspected by airport management in accordance with Part 139 prior to re-opening to air carriers.		X
REMARKS/COMMENTS:		
ANY SIGN, MARKING, LIGHTING OR CONFIGURATION CHANGE WILL REQUIRE ACM CHANGES. SUBMIT TO ACSI FOR APPROVAL PRIOR TO PROJECT COMPLETION.		

-- End --

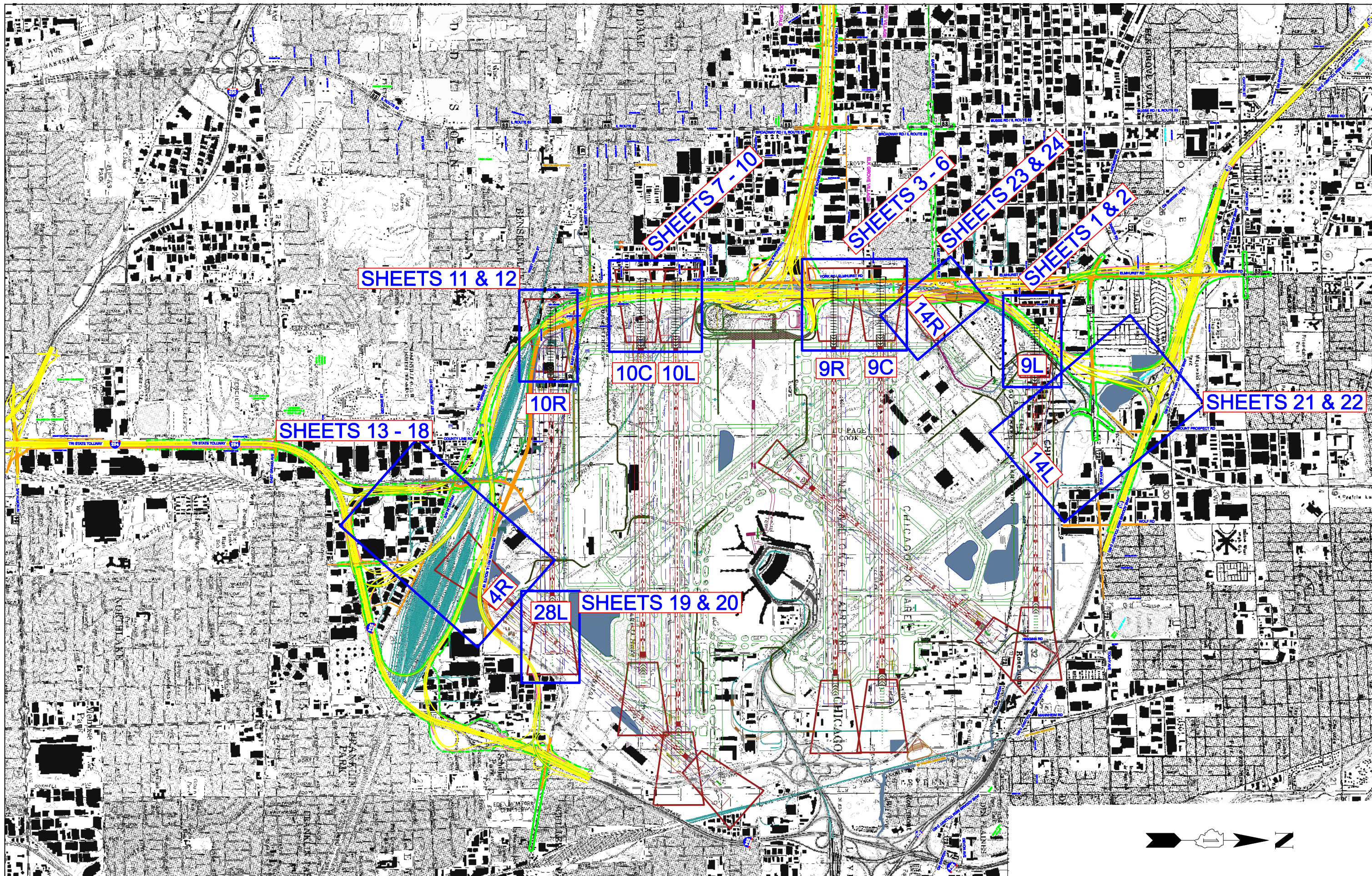
ELGIN O'HARE - WEST BYPASS STUDY

FAA 7460 SUBMITTAL- CRITICAL POINTS FOR HEIGHT RESTRICTIONS

Point #	Latitude	Longitude	Northing	Easting	Prop. Elevation	17' add. height for Interstate Highway	23' add. height for RR (transit in the median)	30' add. height for Highway Lighting	Prop. Maximum Elevation	Sheet #
9L-PT0	N 42 00 10.264159	W 87 55 36.752939	1943891.17	1094725.50	668.0	-	-	-	668.0	1-2
9L-PT1A	N 42 00 10.172874	W 87 55 59.160819	1943873.96	1093033.74	658.0	17	-	30	688.0	1-2
9L-PT1B	N 42 00 10.178065	W 87 56 00.650448	1943873.96	1092921.27	658.0	-	23	-	681.0	1-2
9L-PT2	N 42 00 16.480761	W 87 55 51.353298	1944515.23	1093620.21	655.0	17	-	30	685.0	1-2
9L-PT3	N 42 00 01.960735	W 87 56 08.735601	1943039.33	1092314.70	652.0	17	-	30	682.0	1-2
9C-PT0	N 41 59 17.880126	W 87 55 53.749358	1938582.62	1093467.14	668.3	-	-	-	668.3	3-4
9C-PT1A	N 41 59 17.878884	W 87 56 15.463917	1938574.86	1091827.31	662.0	17	-	30	692.0	3-4
9C-PT1B	N 41 59 17.901304	W 87 56 16.666545	1938576.71	1091736.48	662.0	-	23	-	685.0	3-4
9C-PT2	N 41 59 24.908715	W 87 56 15.558762	1939286.41	1091816.86	665.0	17	-	30	695.0	3-4
9C-PT3	N 41 59 10.714762	W 87 56 15.646921	1937849.62	1091816.84	658.0	17	-	30	688.0	3-4
9R-PT0	N 41 59 02.016351	W 87 55 53.597642	1936976.89	1093486.13	668.2	-	-	-	668.2	5-6
9R-PT1A	N 41 59 01.999084	W 87 56 16.192920	1936967.20	1091779.68	658.0	17	-	30	688.0	5-6
9R-PT1B	N 41 59 01.998933	W 87 56 17.296694	1936966.80	1091696.32	658.0	-	23	-	681.0	5-6
9R-PT2	N 41 59 01.988322	W 87 56 15.592770	1936966.32	1091825.01	658.0	17	-	30	688.0	5-6
9R-PT3	N 41 59 09.114040	W 87 56 15.674443	1937687.58	1091815.51	657.0	17	-	30	687.0	5-6
9R-PT4	N 41 58 55.438160	W 87 56 10.931300	1936304.92	1092180.13	657.0	17	-	30	687.0	5-6 ***
9R-PT5	N 41 58 52.397560	W 87 56 20.394630	1935993.84	1091466.83	692.0	17	-	30	722.0	5-6 ***
9R-PT6	N 41 58 53.115860	W 87 56 16.339780	1936067.96	1091772.74	689.0	17	-	30	719.0	5-6 ***
9R-PT7	N 41 58 55.614230	W 87 56 6.089550	1936324.44	1092545.72	660.0	17	-	30	690.0	5-6 ***
10L-PT0	N 41 58 08.409480	W 87 55 53.497295	1931550.67	1093519.16	672.1	-	-	-	672.1	7-8
10L-PT1	N 41 58 08.406145	W 87 56 16.752828	1931542.16	1091762.43	669.0	17	-	30	699.0	7-8
10L-PT2	N 41 58 11.926761	W 87 56 16.716497	1931898.54	1091763.53	671.0	17	-	30	701.0	7-8
10L-PT3	N 41 58 15.504709	W 87 56 16.546367	1932260.77	1091774.71	669.5	17	-	30	699.5	7-8
10L-PT4	N 41 58 01.071862	W 87 56 16.385958	1930799.89	1091793.57	663.0	17	-	30	693.0	7-8
10C-PT0	N 41 57 56.528126	W 87 55 53.452421	1930348.02	1093528.19	669.3	-	-	-	669.3	9-10
10C-PT1	N 41 57 56.519139	W 87 56 15.955574	1930339.20	1091828.21	660.0	17	-	30	690.0	9-10
10C-PT2	N 41 58 03.762068	W 87 56 16.588405	1931072.13	1091777.02	665.5	17	-	30	695.5	9-10
10C-PT3	N 41 57 49.470876	W 87 56 14.993302	1929626.09	1091904.20	668.0	17	-	30	698.0	9-10
10C-PT4	N 41 57 49.212870	W 87 56 17.529360	1929599.09	1091712.73	672.0	17	-	30	702.0	9-10
10R-PT0	N 41 57 25.948668	W 87 55 40.300223	1927257.36	1094536.41	680.0	-	-	-	680.0	11-12
10R-PT1	N 41 57 25.903953	W 87 56 05.508595	1927243.90	1092631.83	656.0	17	-	30	686.0	11-12
10R-PT2	N 41 57 25.905477	W 87 56 04.695660	1927244.34	1092693.25	656.0	17	-	30	686.0	11-12
10R-PT3	N 41 57 32.080100	W 87 56 05.471443	1927869.08	1092631.73	668.0	17	-	30	698.0	11-12
10R-PT4	N 41 57 34.017250	W 87 56 10.986321	1928063.23	1092214.16	682.0	17	-	30	712.0	11-12
4R"E"-PT0	N 41 57 11.934247	W 87 53 57.955747	1925876.65	1102276.16	661.2	-	-	-	661.2	13-14
4R"E"-PT1	N 41 56 49.067782	W 87 54 25.049228	1923551.77	1100240.52	691.0	17	-	30	721.0	13-14
4R"E"-PT2	N 41 56 55.115922	W 87 54 34.385558	1924160.48	1099531.98	696.5	17	-	30	726.5	13-14
4R"E"-PT3	N 41 56 41.472184	W 87 54 17.098400	1922785.92	1100845.18	686.5	17	-	30	716.5	13-14
4R"F"-PT0	N 41 57 11.934247	W 87 53 57.955747	1925876.65	1102276.16	661.2	-	-	-	661.2	15-16
4R"F"-PT1	N 41 57 00.146278	W 87 54 11.923742	1924678.12	1101226.74	665.0	17	-	30	695.0	15-16
4R"F"-PT2	N 41 57 03.029531	W 87 54 21.742793	1924966.26	1100483.33	669.0	17	-	30	699.0	15-16
4R"F"-PT3	N 41 56 57.433706	W 87 54 03.233690	1924406.85	1101884.77	662.0	17	-	30	692.0	15-16
4R"G"-PT0	N 41 57 11.934247	W 87 53 57.955747	1925876.65	1102276.16	661.2	-	-	-	661.2	17-18
4R"G"-PT1	N 41 57 02.698791	W 87 54 08.899385	1924937.64	1101453.97	660.5	17	-	30	690.5	17-18
4R"G"-PT2	N 41 57 03.952684	W 87 54 20.267759	1925060.26	1100594.32	655.0	17	-	30	685.0	17-18
4R"G"-PT3	N 41 57 02.020906	W 87 53 59.248592	1924872.70	1102183.55	665.0	17	-	30	695.0	17-18
28L-PT0	N 41 57 26.090425	W 87 54 01.038365	1927308.40	1102036.00	655.6	-	-	-	655.6	19-20

Point #	Latitude	Longitude	Northing	Easting	Prop. Elevation	17' add. height for Interstate Highway	23' add. height for RR (transit in the median)	30' add. height for Highway Lighting	Prop. Maximum Elevation	Sheet #
28L-PT1	N 41 57 18.146070	W 87 53 31.742213	1926515.54	1104253.59	651.0	17	-	30	681.0	19-20
28L-PT2	N 41 57 20.699762	W 87 53 25.307248	1926776.54	1104738.46	665.0	17	-	30	695.0	19-20
14L-PT0	N 42 00 08.784556	W 87 54 55.346009	1943756.45	1097852.47	652.6	-	-	-	652.6	21-22
14L-PT1	N 42 00 43.522902	W 87 55 34.446085	1947258.57	1094883.66	677.0	17	23	30	707.0	21-22
14L-PT2	N 42 00 44.348553	W 87 55 35.409039	1947341.80	1094810.57	677.0	17	23	30	707.0	21-22
14L-PT3	N 42 00 45.649693	W 87 55 36.848645	1947472.99	1094701.27	705.0	17	23	30	735.0	21-22
14L-PT4	N 42 00 47.908798	W 87 55 35.050668	1947702.31	1094835.91	710.0	17	23	30	740.0	21-22
14L-PT5	N 42 00 31.725328	W 87 55 39.428232	1946062.59	1094513.22	683.0	17	23	30	713.0	21-22
14L-PT6	N 42 00 52.361059	W 87 55 23.931569	1948156.99	1095673.11	696.0	17	-	30	726.0	21-22
14L-PT7	N 42 00 48.643808	W 87 55 20.880509	1947781.82	1095905.23	673.0	17	-	30	703.0	21-22
14L-PT8	N 42 00 54.613724	W 87 55 38.924027	1948379.62	1094540.30	690.0	17	23	30	720.0	21-22
14R-PT0	N 41 59 25.566818	W 87 55 59.300838	1939358.73	1093044.27	665.5	-	-	-	665.5	23-24
14R-PT1A	N 41 59 39.317293	W 87 56 14.829080	1940745.15	1091865.22	642.0	17	-	30	672.0	23-24
14R-PT1B	N 41 59 40.322412	W 87 56 15.979913	1940846.49	1091777.85	642.0	-	23	-	665.0	23-24
14R-PT2	N 41 59 38.701697	W 87 56 14.133789	1940683.08	1091918.01	642.0	17	-	30	672.0	23-24
14R-PT3	N 41 59 29.818899	W 87 56 15.029766	1939783.62	1091854.51	666.0	17	-	30	696.0	23-24
14R-PT4	N 41 59 28.768466	W 87 56 13.430744	1939677.85	1091975.75	648.0	17	-	30	678.0	23-24
14R-PT5	N 41 59 43.377701	W 87 56 19.415541	1941154.56	1091517.00	662.0	17	-	30	692.0	23-24

*** Proposed elevations need to be coordinated with OMP West Terminal design

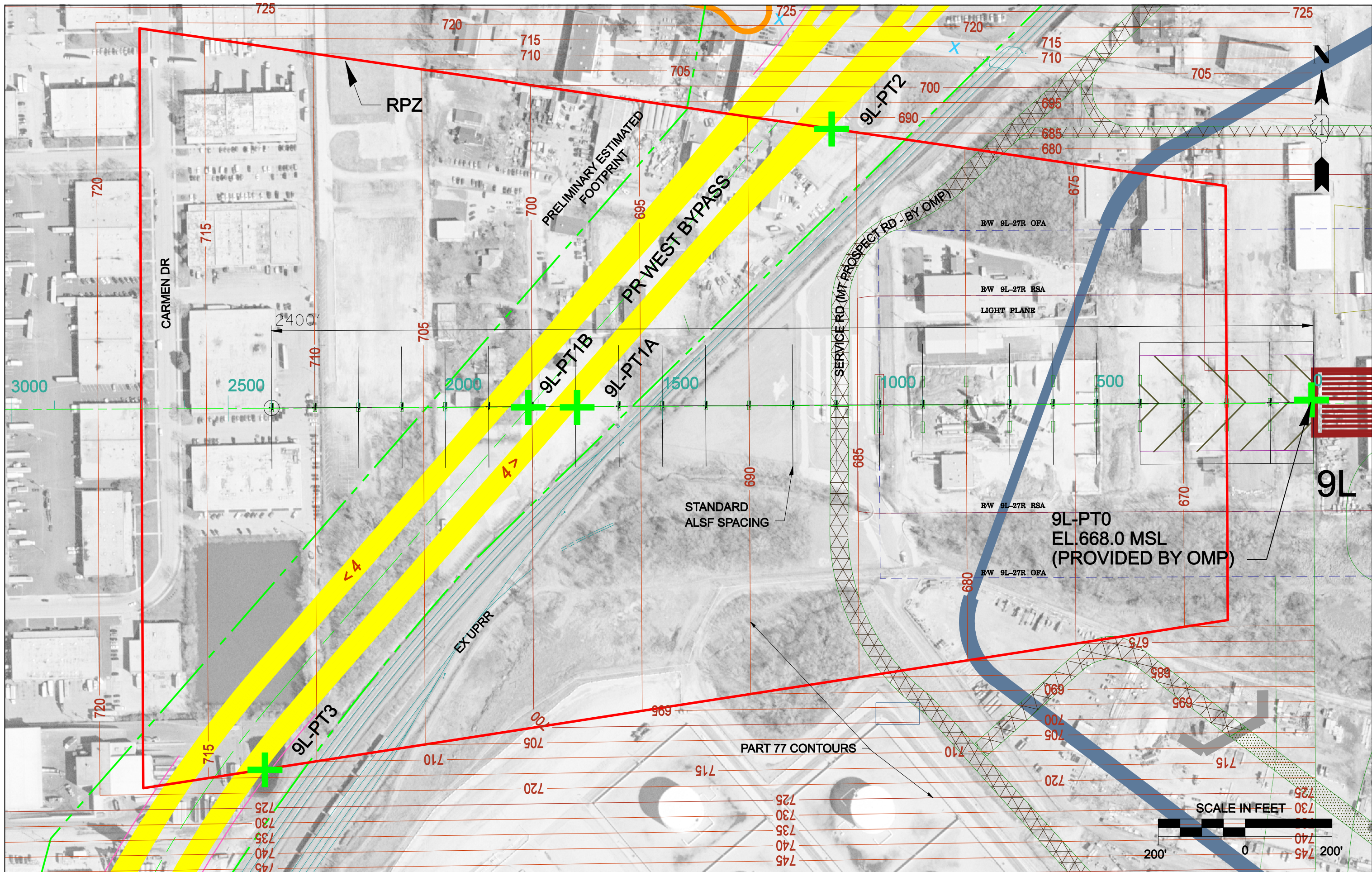


USER NAME = gspvwy
 FILE NAME = 1180RPV_00.aht
 PLOT SCALE = 3000.0000 1/IN.
 PLOT DATE = 10/30/2008



STUDY LOCATION AND KEY MAP



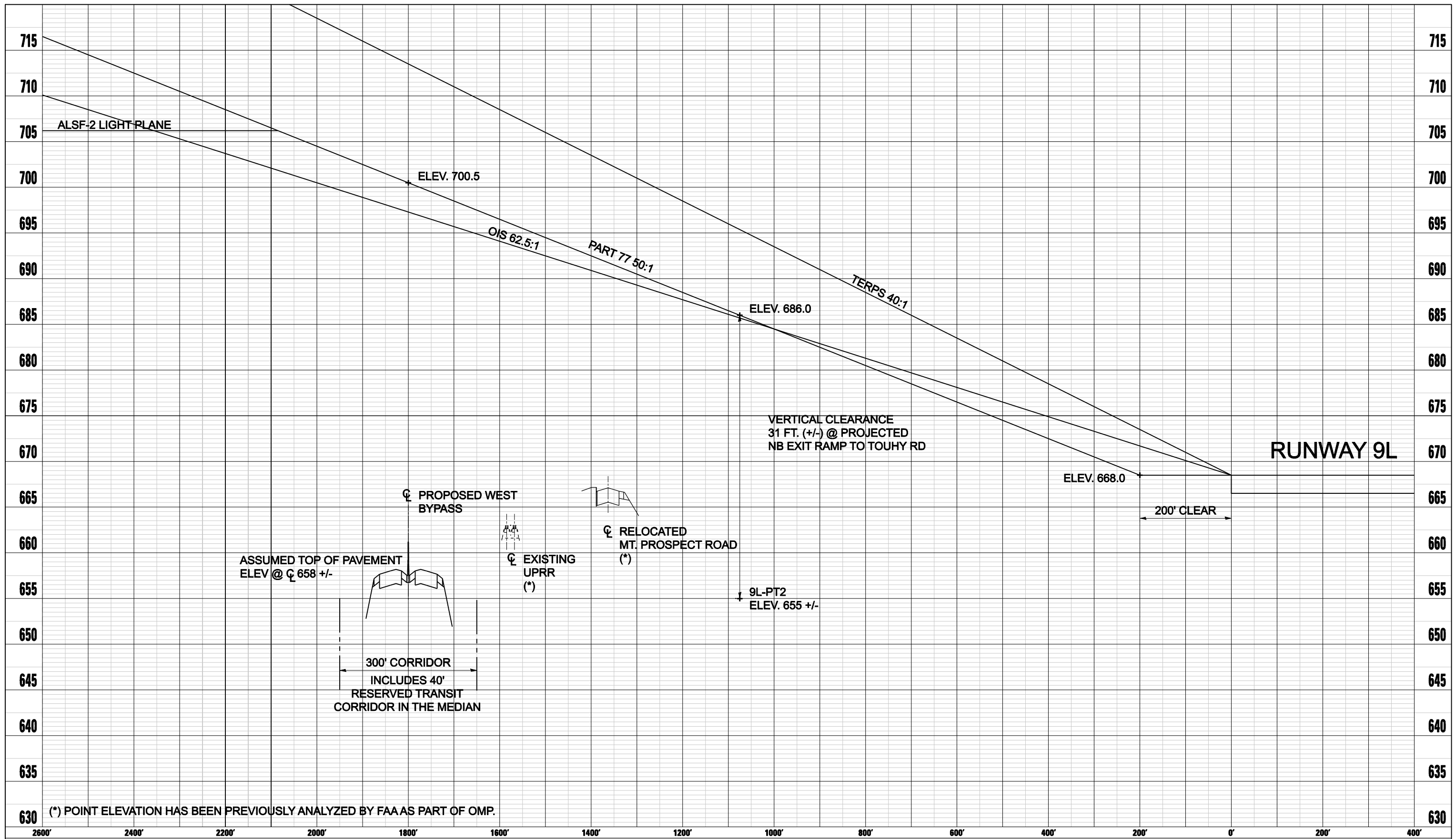


USER NAME = gspvey
 FILE NAME = 1180RPV_9L_FSA2023.sht
 PLOT SCALE = 200.0000 1/IN.
 PLOT DATE = 10/30/2023



WEST BYPASS NEAR FUTURE RUNWAY 9L - PLAN VIEW





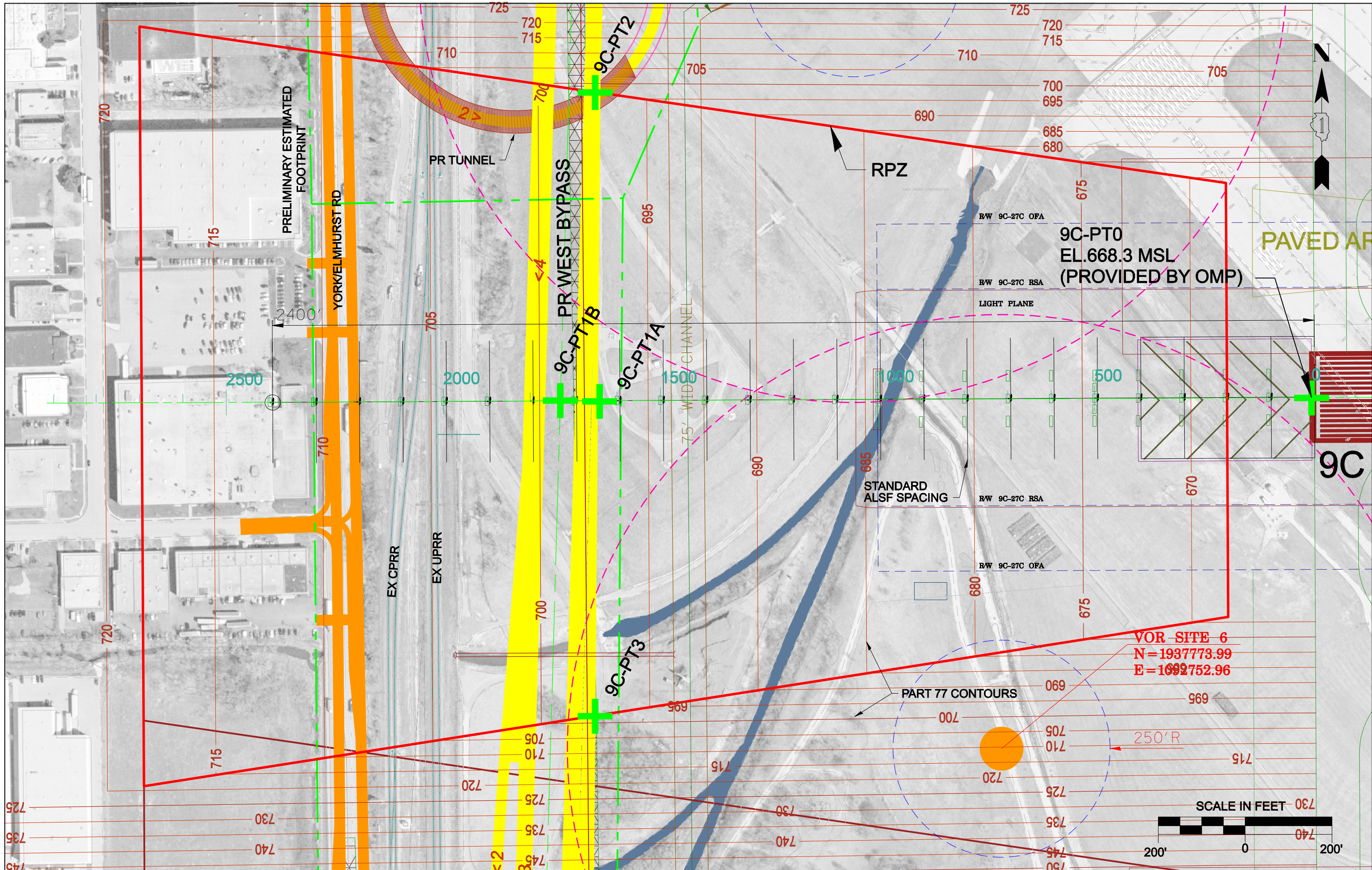
(*) POINT ELEVATION HAS BEEN PREVIOUSLY ANALYZED BY FAA AS PART OF OMP.

WEST BYPASS HEIGHT RESTRICTIONS NEAR FUTURE RUNWAY 9L – PROFILE VIEW

USER NAME
FILE NAME
PLOT SCALE
PLOT DATE



OCTOBER 2008

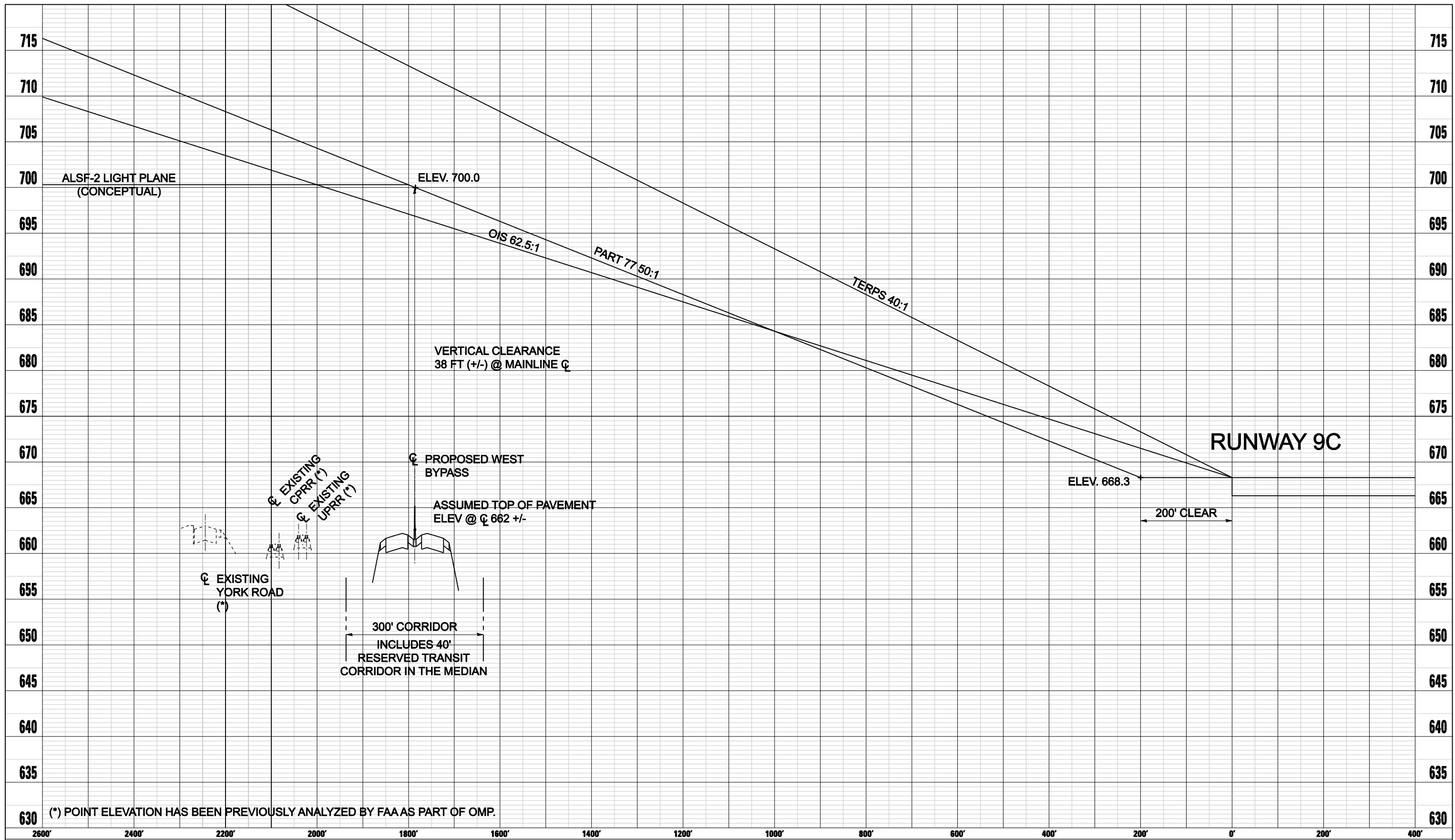


USER NAME = gsp/vey
 FILE NAME = 1180RPV_9C_FSA203.sht
 PLOT SCALE = 200.0000 1/IN.
 PLOT DATE = 10/30/2008



WEST BYPASS NEAR FUTURE RUNWAY 9C - PLAN VIEW





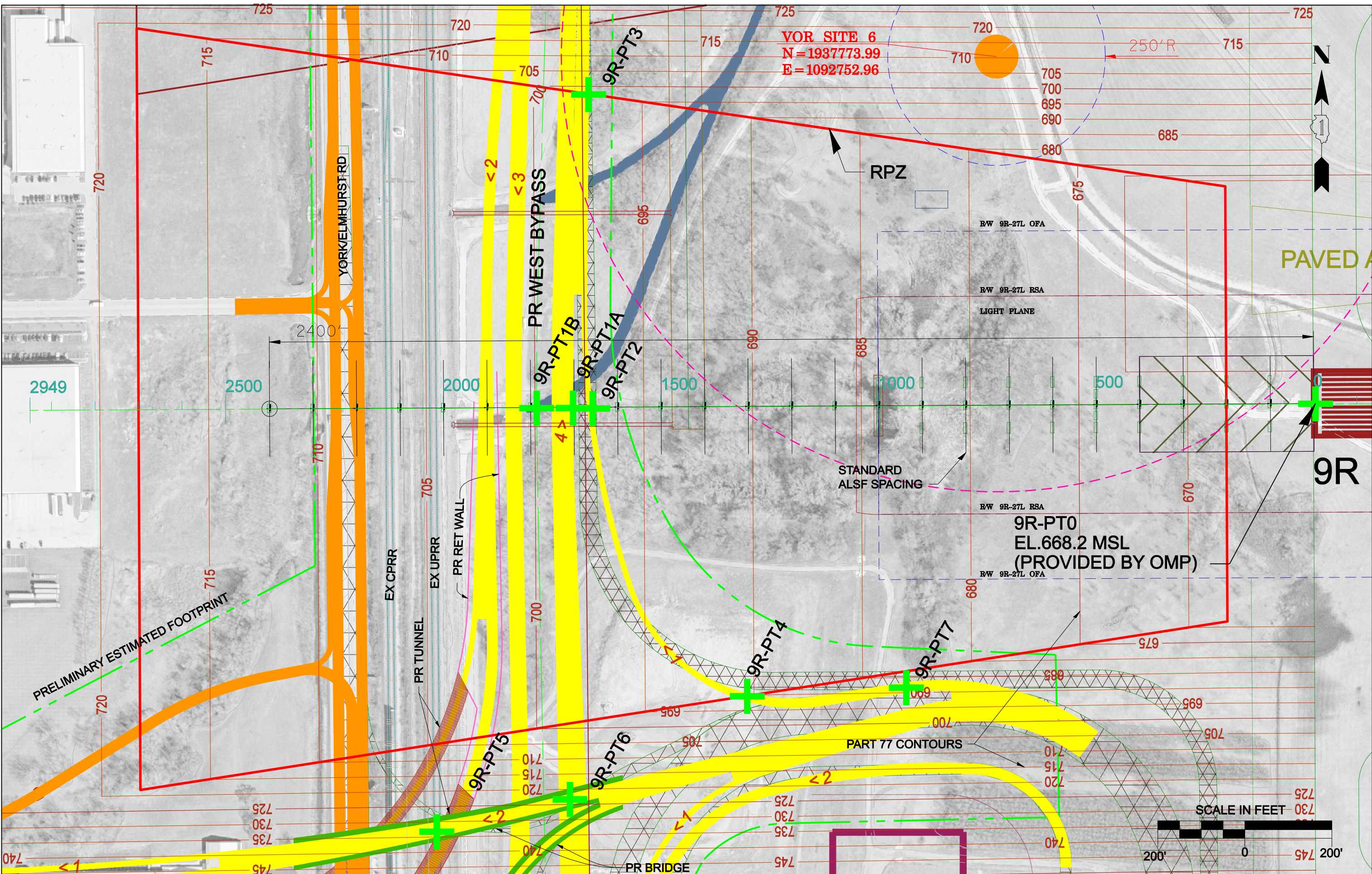
WEST BYPASS HEIGHT RESTRICTIONS NEAR FUTURE RUNWAY 9C – PROFILE VIEW

USER NAME
FILE NAME
PLOT SCALE
PLOT DATE



OCTOBER 2008

SHEET 4 OF 24



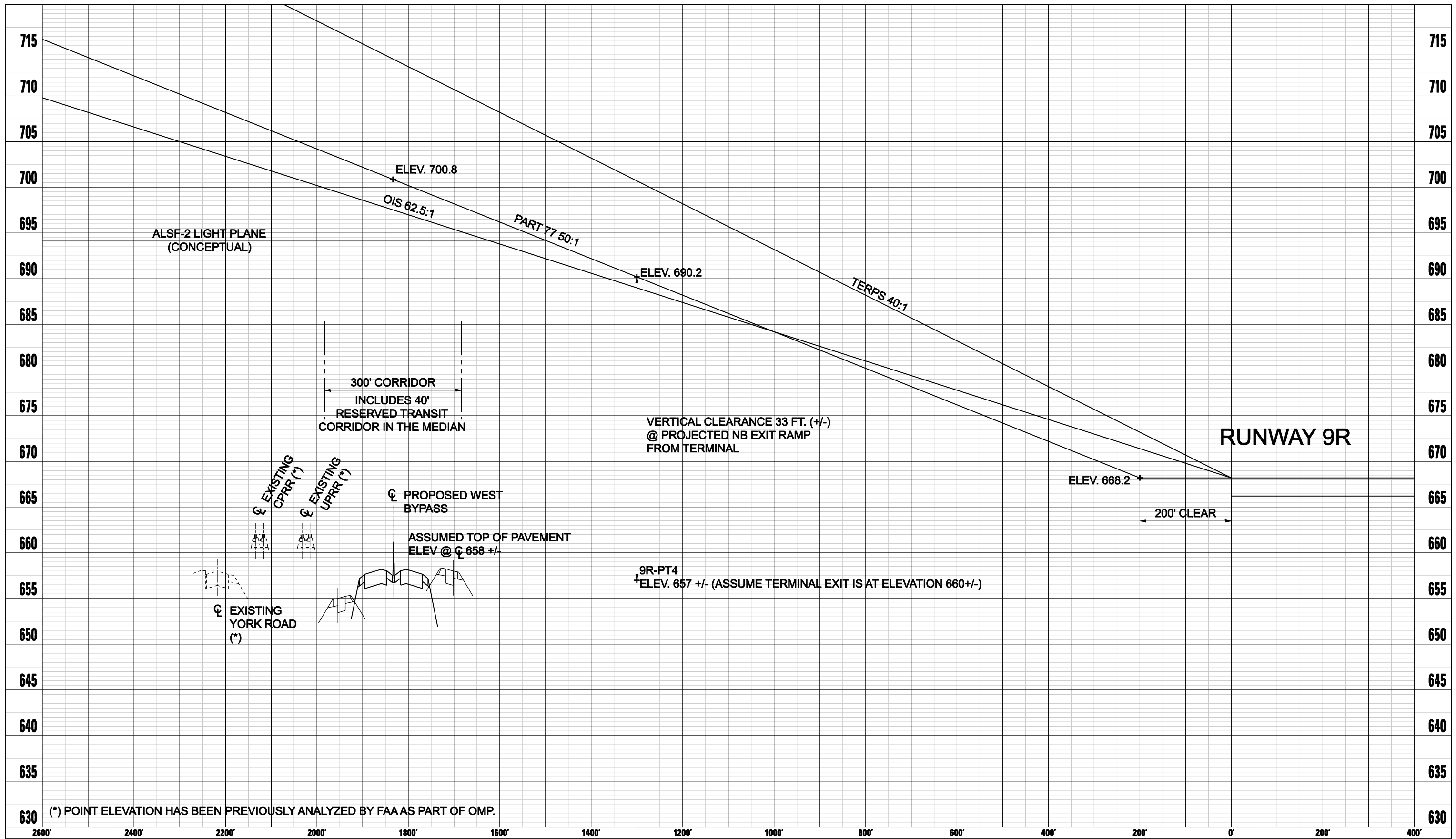
USER NAME = gspjvey
 FILE NAME = 1180RPV_9R_FSA203.sht
 PLOT SCALE = 200.0000 1/IN.
 PLOT DATE = 10/30/2008



WEST BYPASS NEAR FUTURE RUNWAY 9R - PLAN VIEW

SHEET 5 OF 24



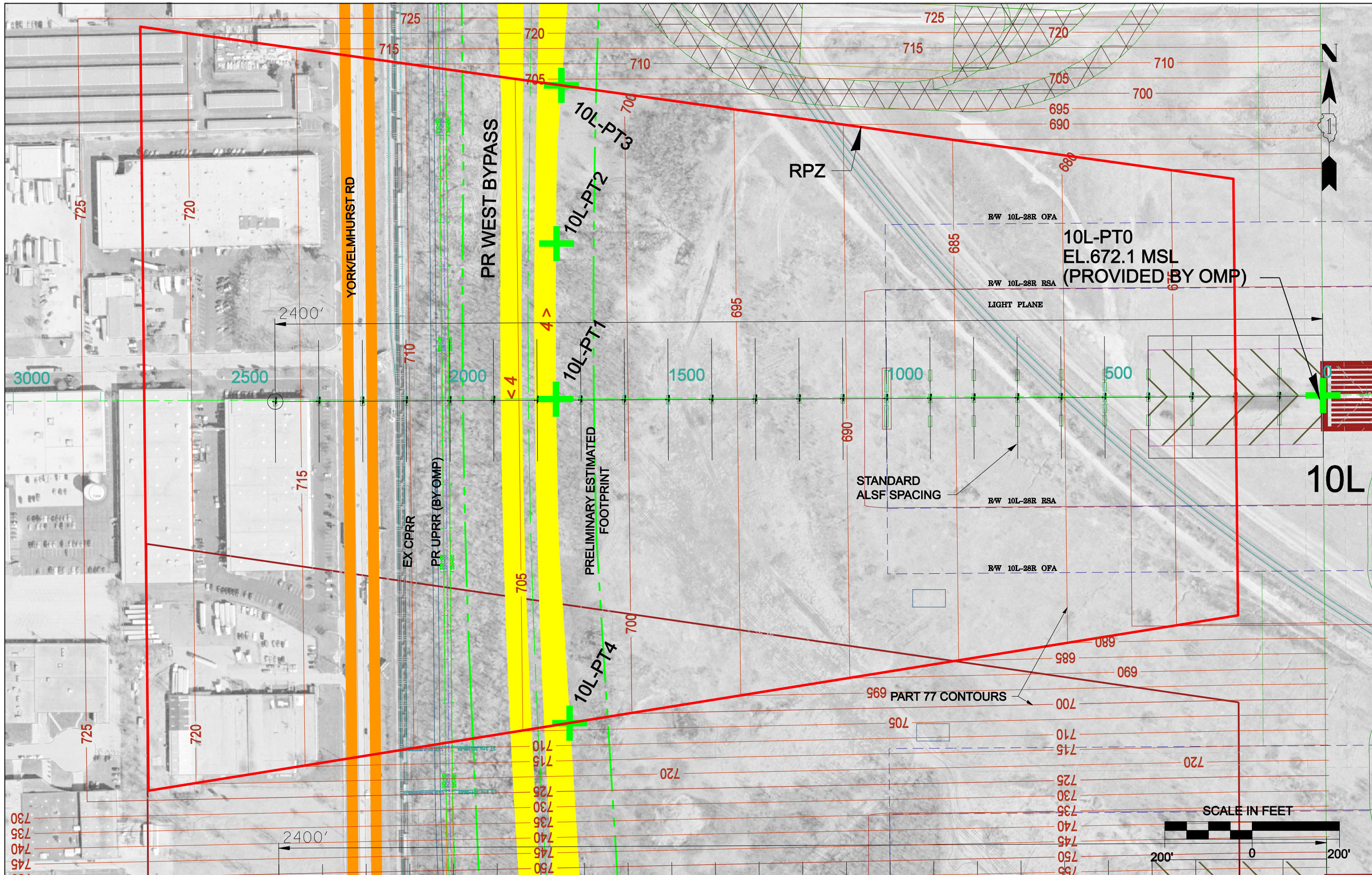


WEST BYPASS HEIGHT RESTRICTIONS NEAR FUTURE RUNWAY 9R – PROFILE VIEW

USER NAME: gboyce
 FILE NAME: T180CPRR.dgn
 PLOT SCALE: 200.0000 / IN
 PLOT DATE: 10/26/2008



OCTOBER 2008



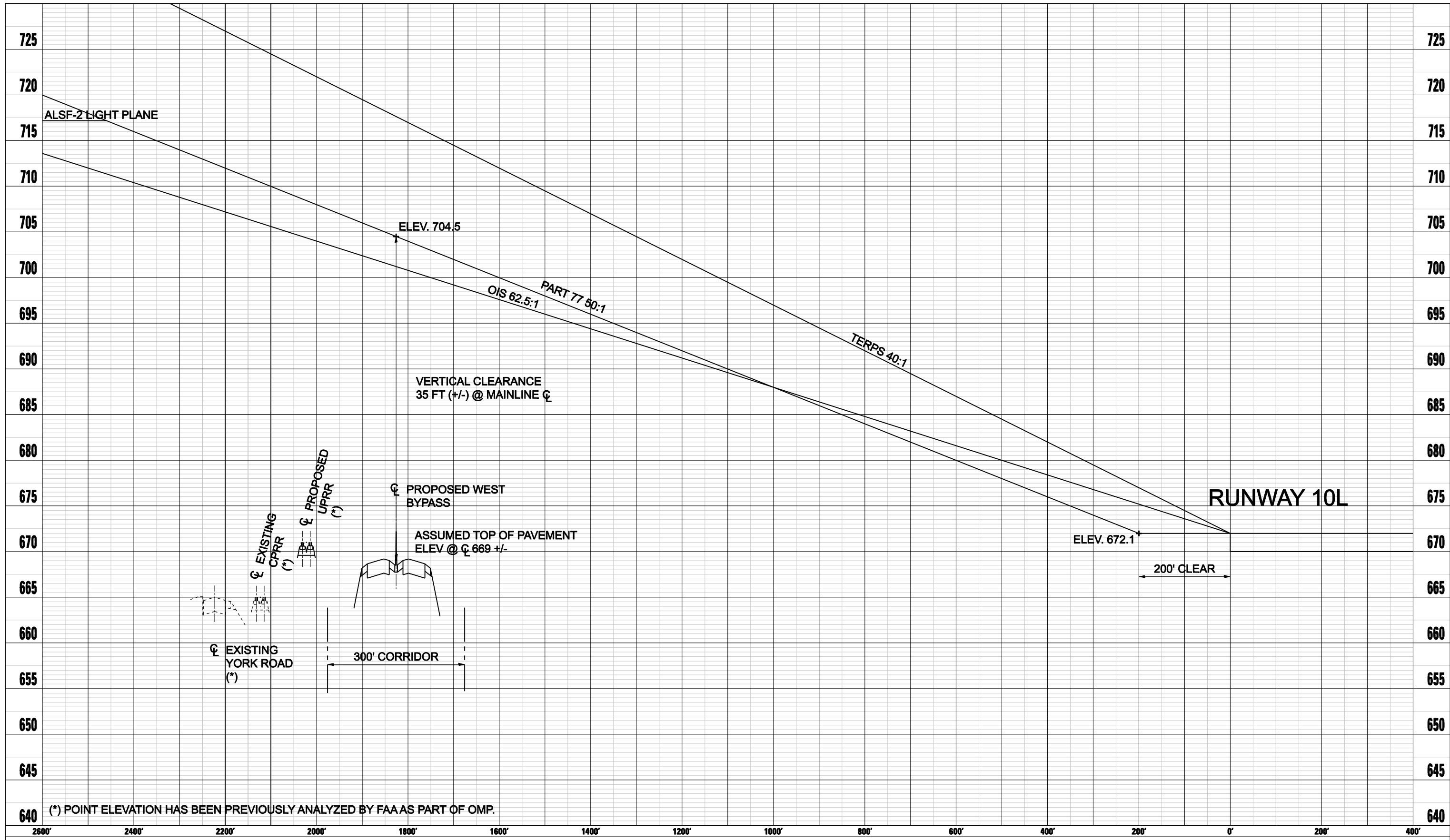
USER NAME = gspvey
 FILE NAME = 1180RPV_10L_FSA203.sht
 PLOT SCALE = 200.0000 1/IN.
 PLOT DATE = 10/30/2008



WEST BYPASS NEAR FUTURE RUNWAY 10L - PLAN VIEW

SHEET 7 OF 24



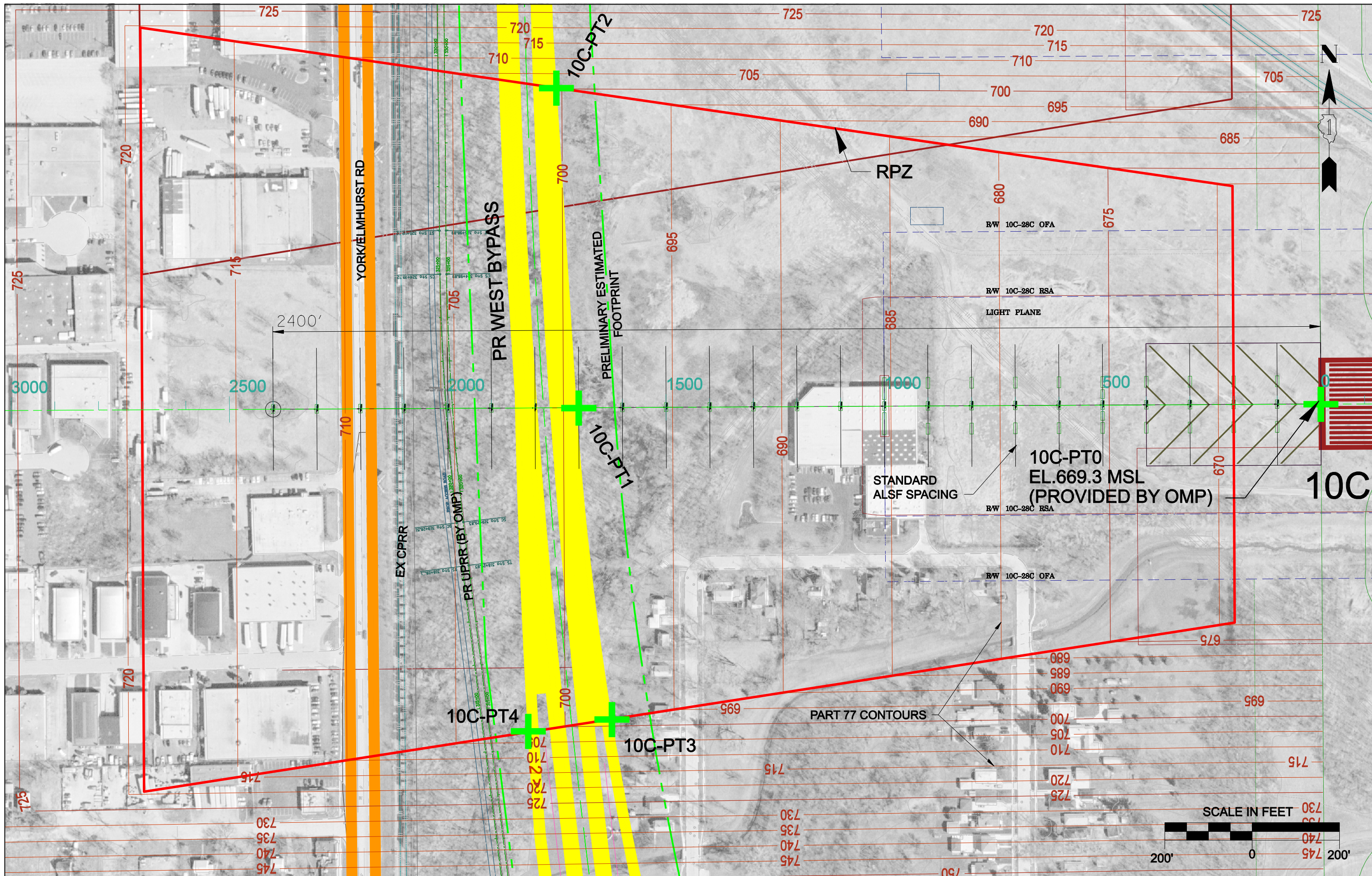


WEST BYPASS HEIGHT RESTRICTIONS NEAR FUTURE RUNWAY 10L – PROFILE VIEW

USER NAME
 FILE NAME
 PLOT SCALE
 PLOT DATE



OCTOBER 2008



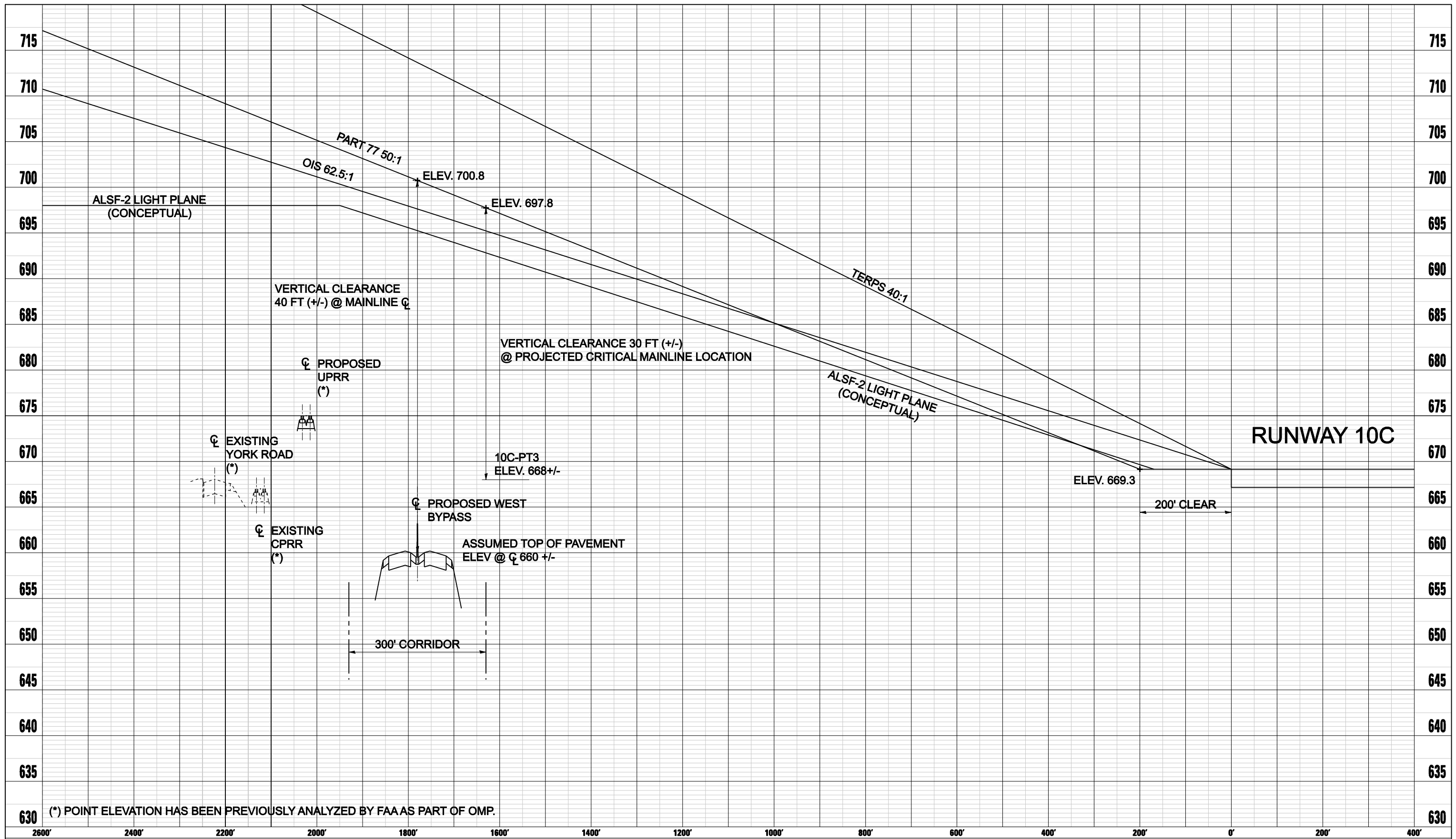
USER NAME = gspvey
 FILE NAME = 1180RPV_10C_FSA203.sht
 PLOT SCALE = 200.0000 1/IN.
 PLOT DATE = 10/30/2008



WEST BYPASS NEER FUTURE RUNWAY 10C - PLAN VIEW

SHEET 9 OF 24





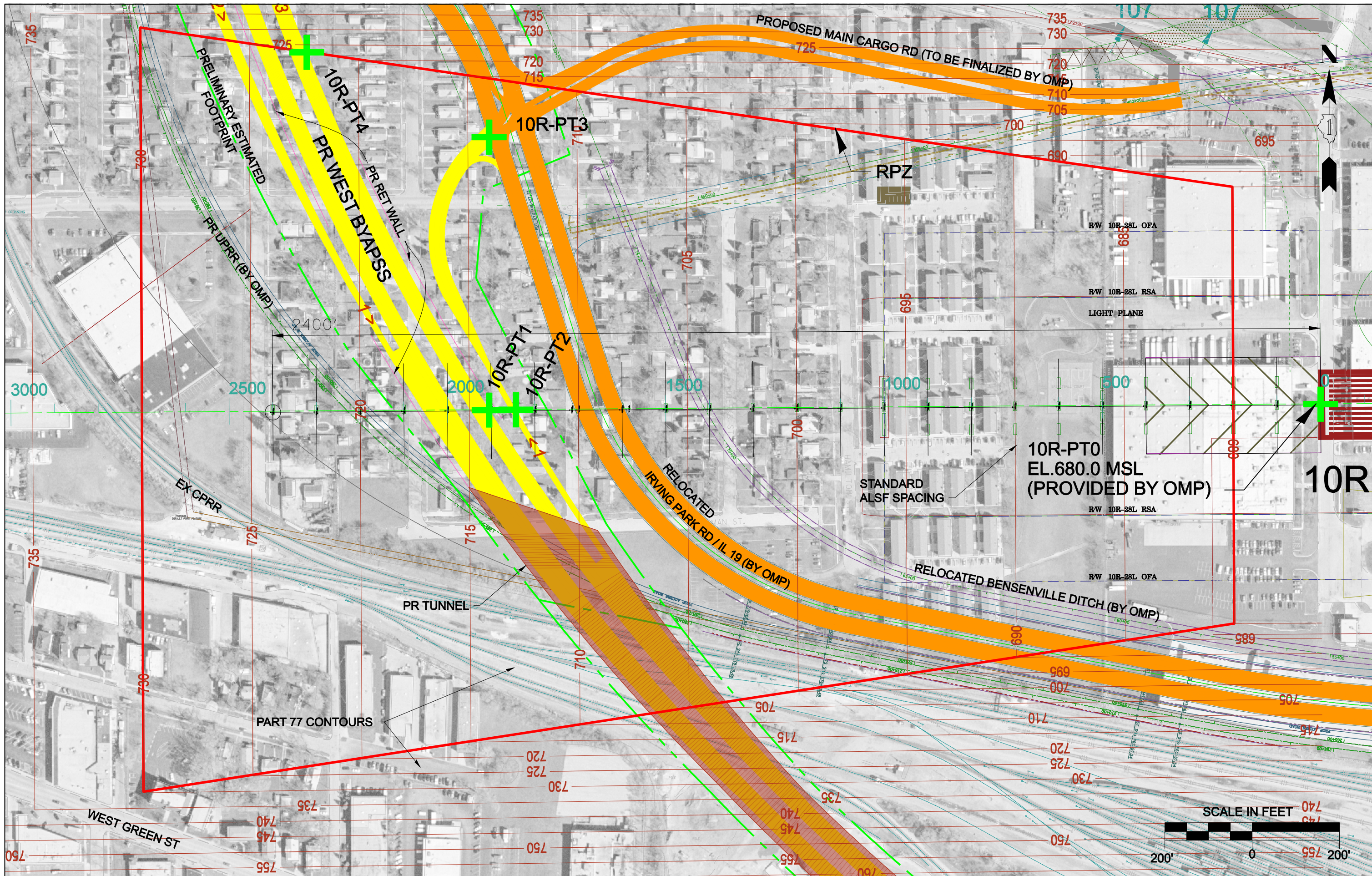
WEST BYPASS HEIGHT RESTRICTIONS NEAR FUTURE RUNWAY 10C – PROFILE VIEW

USER NAME
FILE NAME
PLOT SCALE
PLOT DATE



OCTOBER 2008

SHEET 10 OF 24



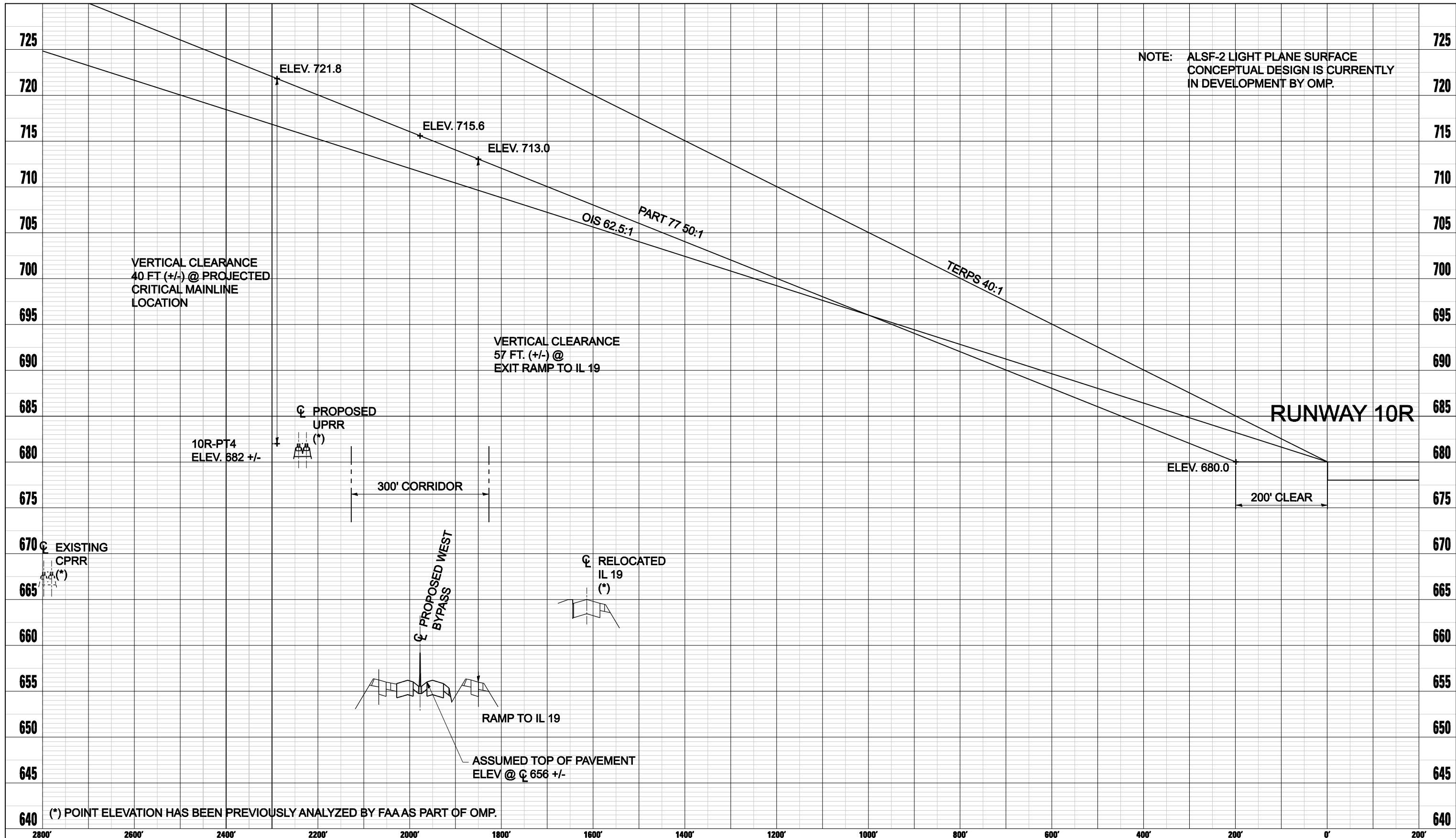
USER NAME = gspvby
 FILE NAME = 1180RPV_10R_FSA203.sht
 PLOT SCALE = 200.0000 1/IN.
 PLOT DATE = 10/30/2008



WEST BYPASS NEAR FUTURE RUNWAY 10R - PLAN VIEW

SHEET 11 OF 24



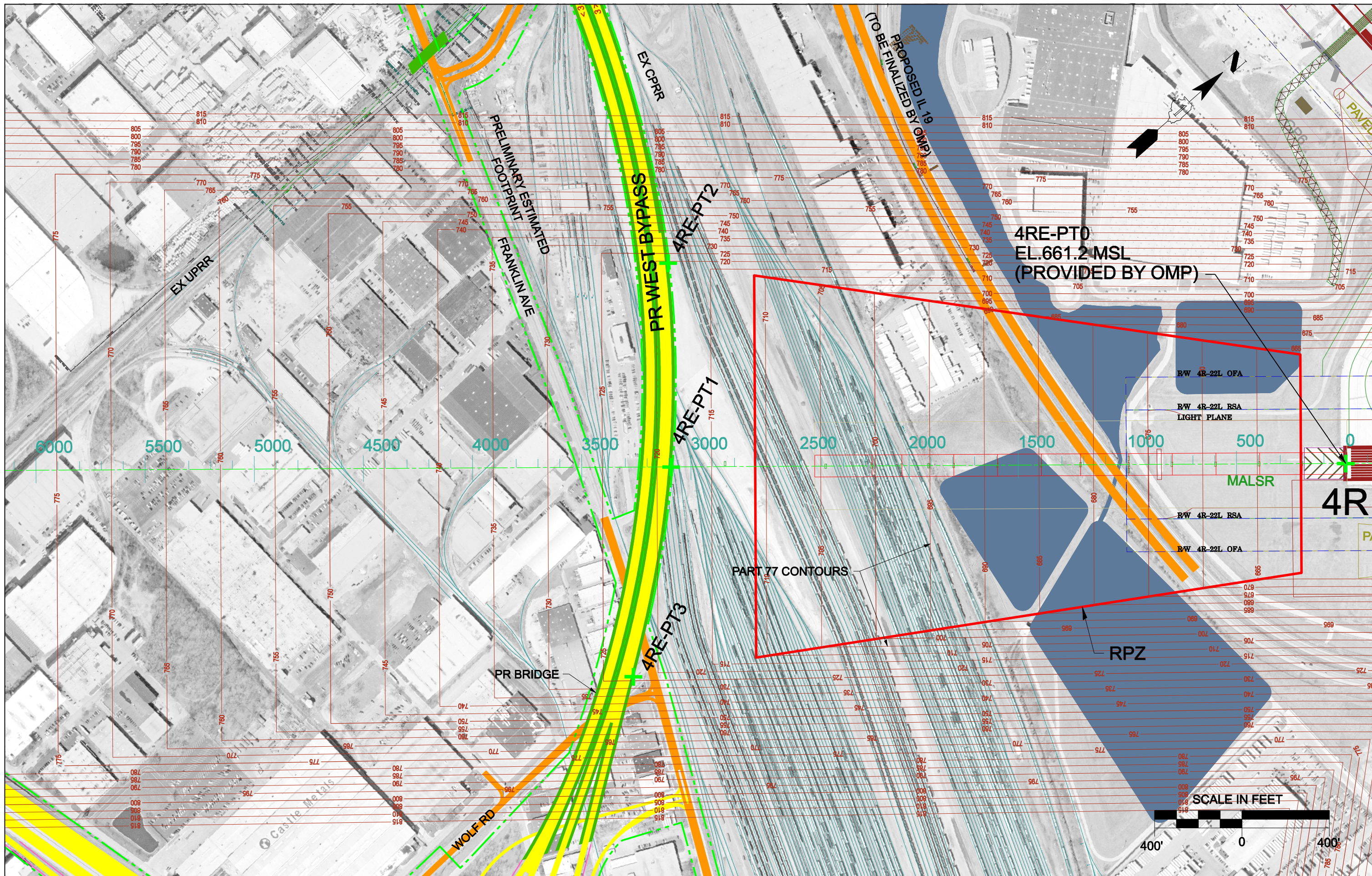


WEST BYPASS HEIGHT RESTRICTIONS NEAR FUTURE RUNWAY 10R – PROFILE VIEW

USER NAME
FILE NAME
PLOT SCALE
PLOT DATE



OCTOBER 2008

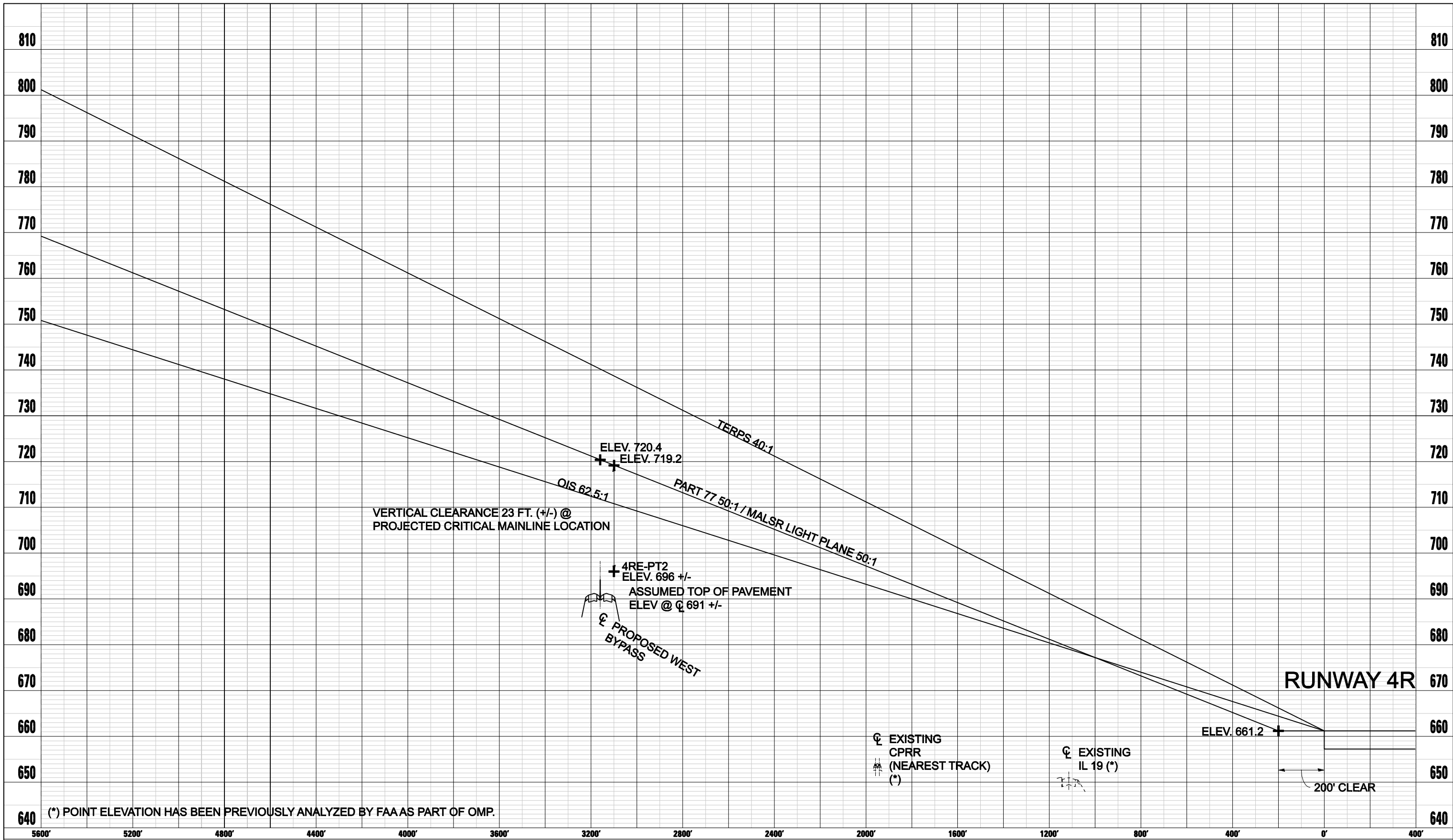


USER NAME = gspjvey
 FILE NAME = 1180RPV_4R_SMA500.sht
 PLOT SCALE = 400.0000 1/IN.
 PLOT DATE = 10/30/2008



WEST BYPASS SOUTH CONNECTION ALIGNMENT "E" NEAR EXISTING RUNWAY 4R - PLAN VIEW



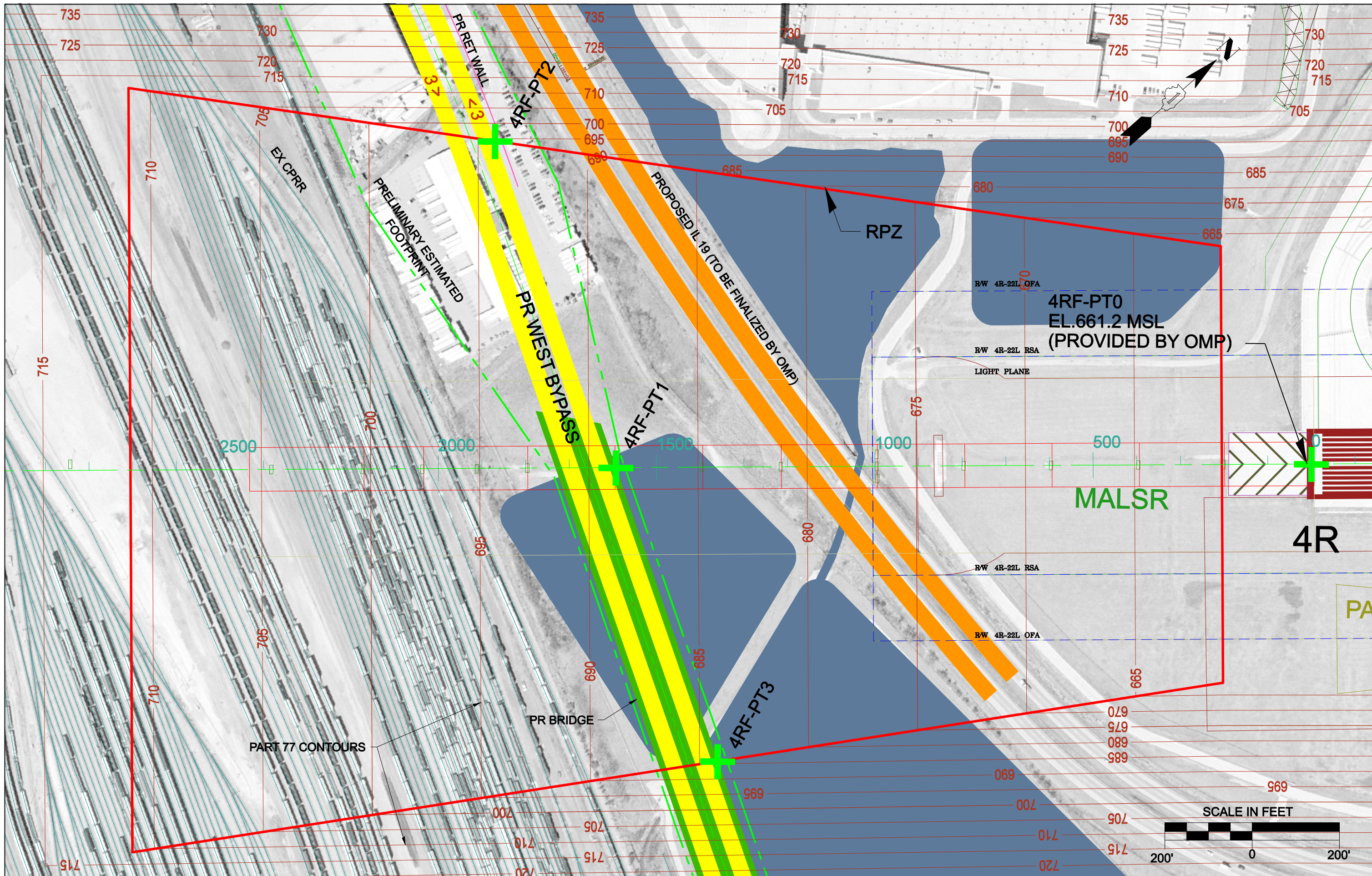


USER NAME
FILE NAME
PLOT SCALE
PLOT DATE

**WEST BYPASS SOUTH CONNECTION ALIGNMENT "E" HEIGHT RESTRICTIONS NEAR EXISTING RUNWAY 4R
PROFILE VIEW**



OCTOBER 2008



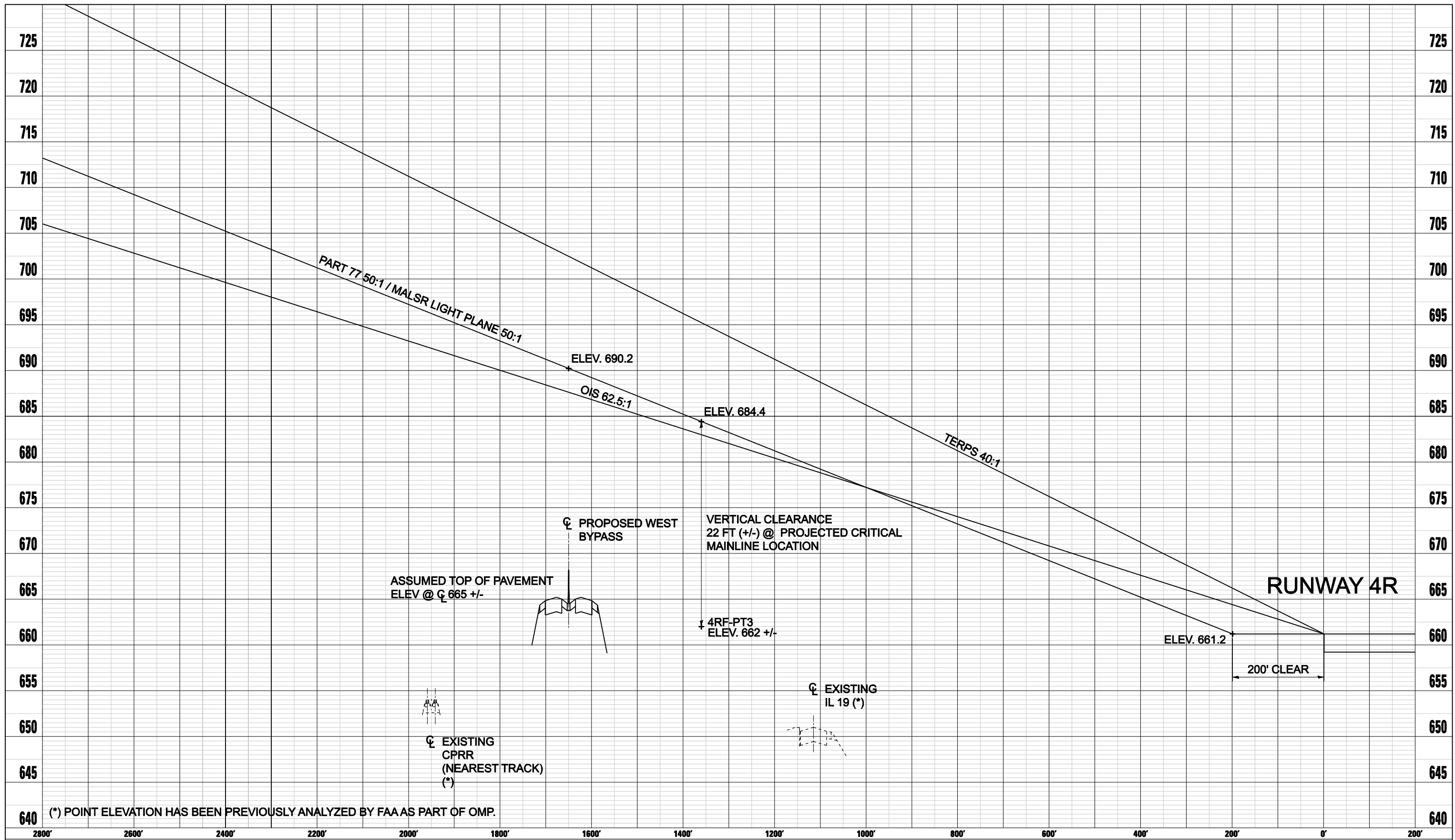
USER NAME = gsp/vey
 FILE NAME = 1180RPV_4R_SMA600.sht
 PLOT SCALE = 200.0000 1/IN.
 PLOT DATE = 10/30/2008



WEST BYPASS SOUTH CONNECTION ALIGNMENT "F" NEAR EXISTING RUNWAY 4R - PLAN VIEW

SHEET 15 OF 24





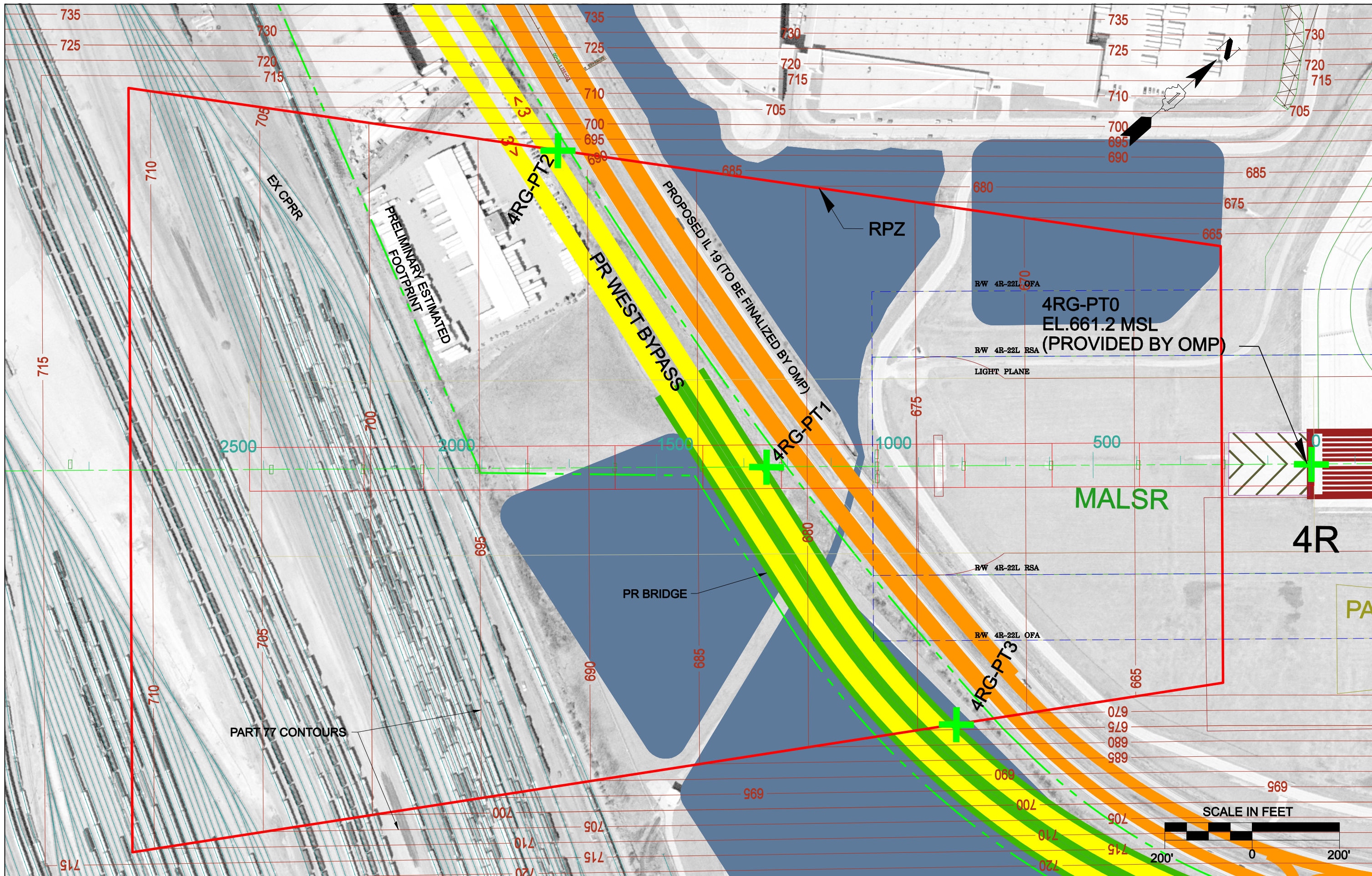
USER NAME
 FILE NAME
 PLOT SCALE
 PLOT DATE

**WEST BYPASS SOUTH CONNECTION ALIGNMENT "F" HEIGHT RESTRICTIONS NEAR EXISTING RUNWAY 4R
 PROFILE VIEW**



OCTOBER 2008

SHEET 16 OF 24



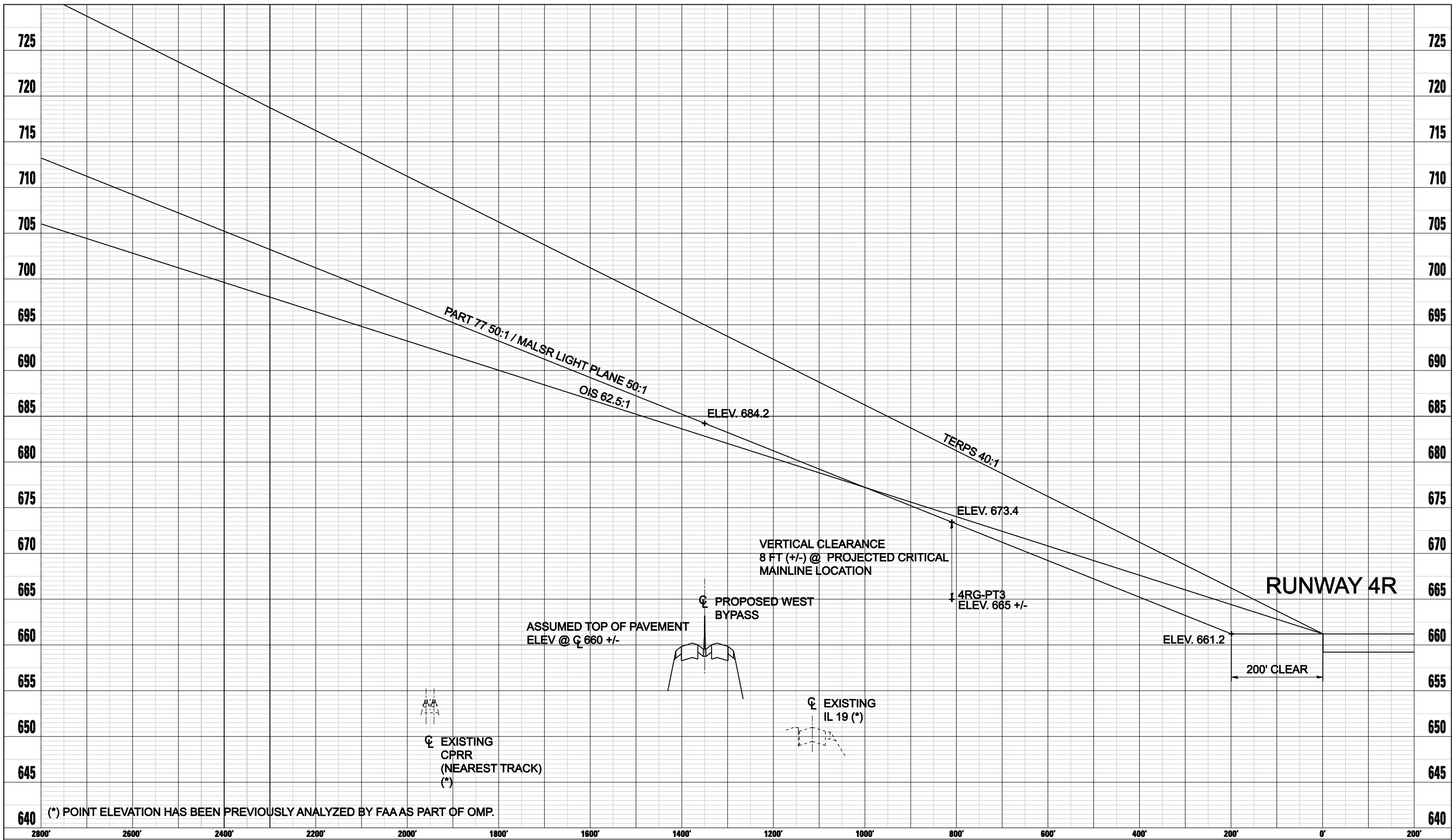
USER NAME = gsp/vey
 FILE NAME = 1180RPV_4R_SMA700.shx
 PLOT SCALE = 200.0000 1/IN.
 PLOT DATE = 10/30/2008



WEST BYPASS SOUTH CONNECTION ALIGNMENT "G" NEAR EXISTING RUNWAY 4R - PLAN VIEW

SHEET 17 OF 24





(*) POINT ELEVATION HAS BEEN PREVIOUSLY ANALYZED BY FAA AS PART OF OMP.

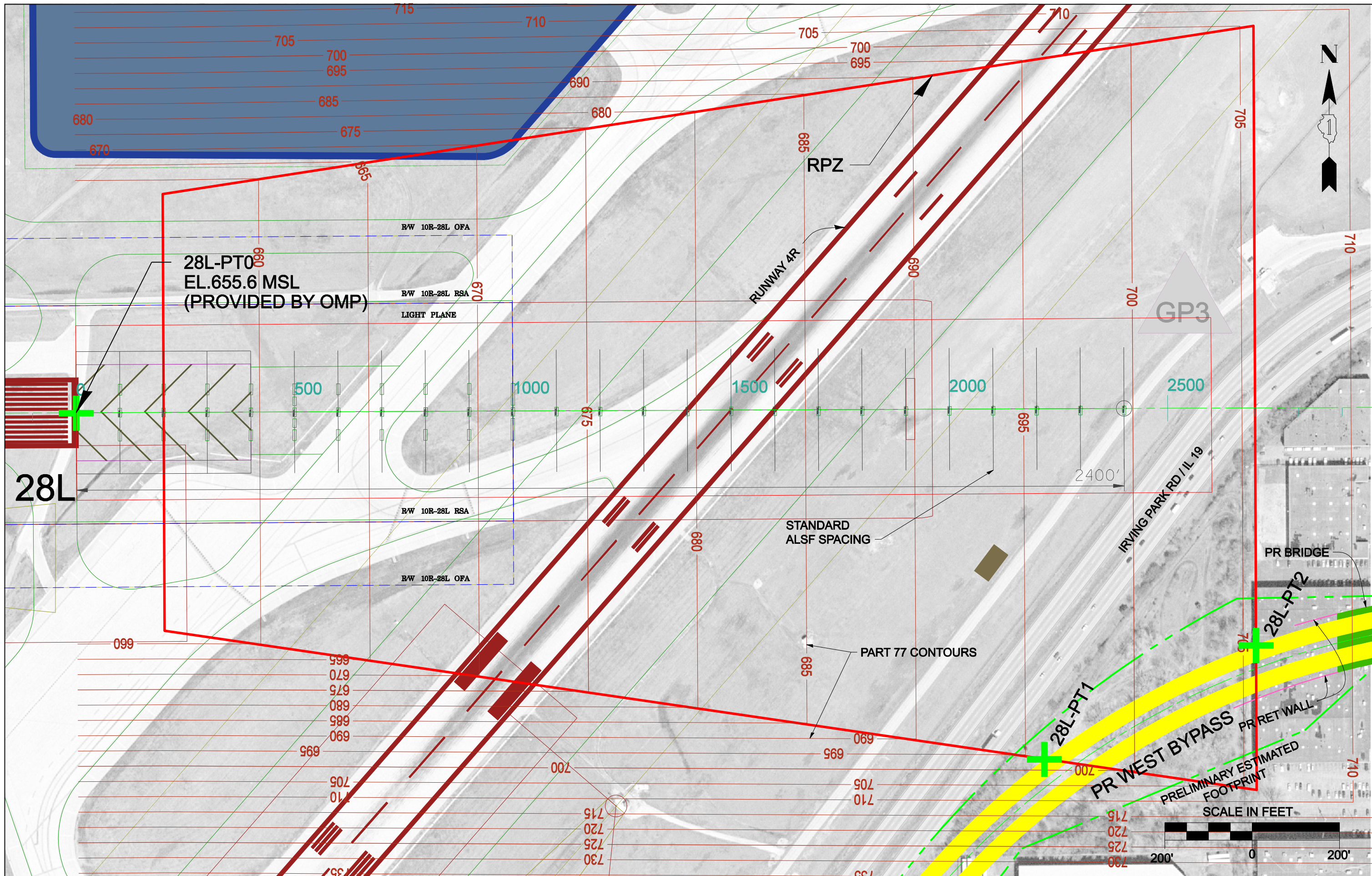
**WEST BYPASS SOUTH CONNECTION ALIGNMENT "G" HEIGHT RESTRICTIONS NEAR EXISTING RUNWAY 4R
PROFILE VIEW**

USER NAME
FILE NAME
PLOT SCALE
PLOT DATE



OCTOBER 2008

SHEET 18 OF 24



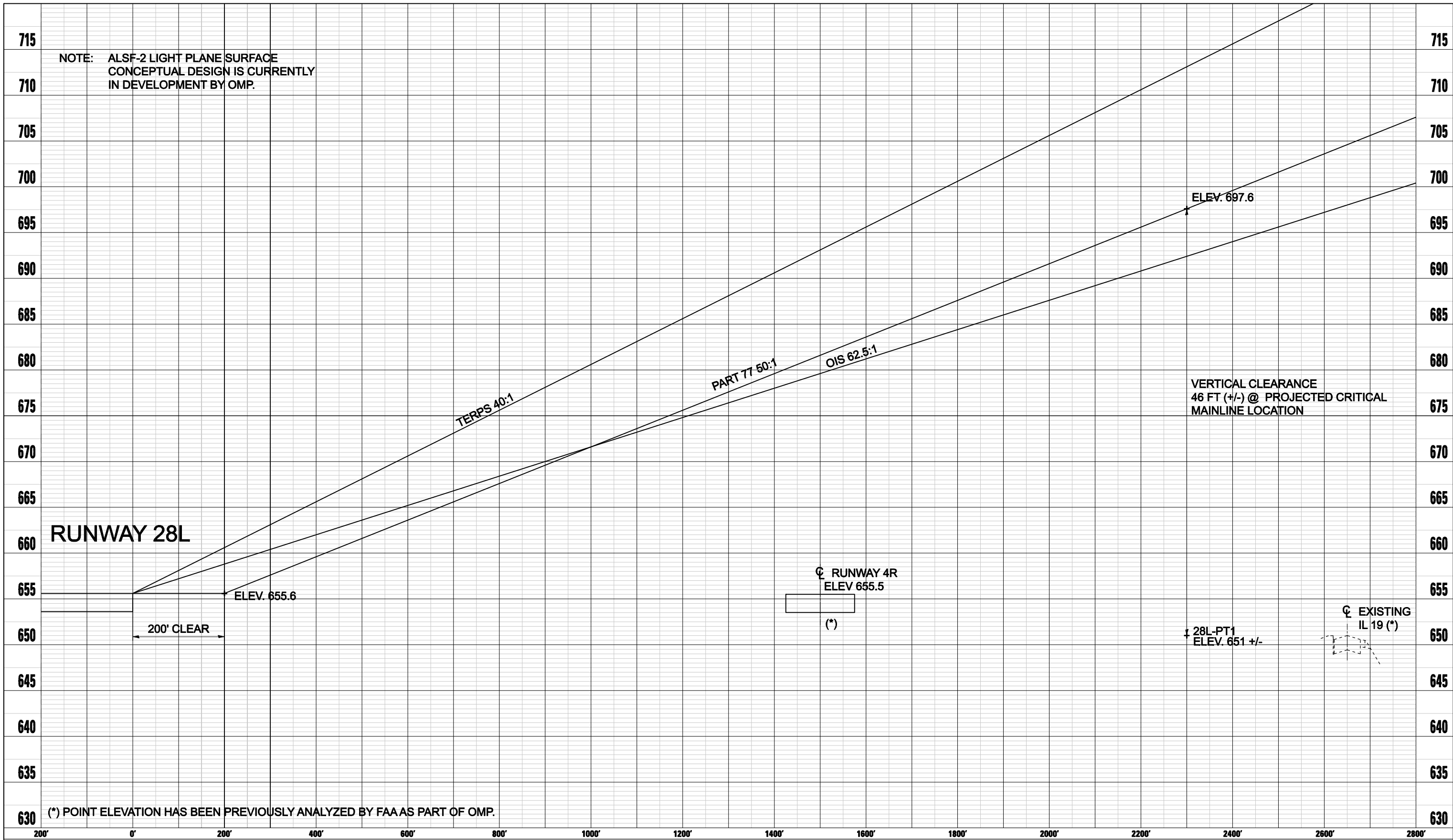
USER NAME = gaphvy
 FILE NAME = 1180RPV_28L_SMA700.sht
 PLOT SCALE = 200.0000 1/IN.
 PLOT DATE = 10/30/2008



WEST BYPASS SOUTH CONNECTION ALIGNMENT "G" NEAR FUTURE RUNWAY 28L - PLAN VIEW

SHEET 19 OF 24



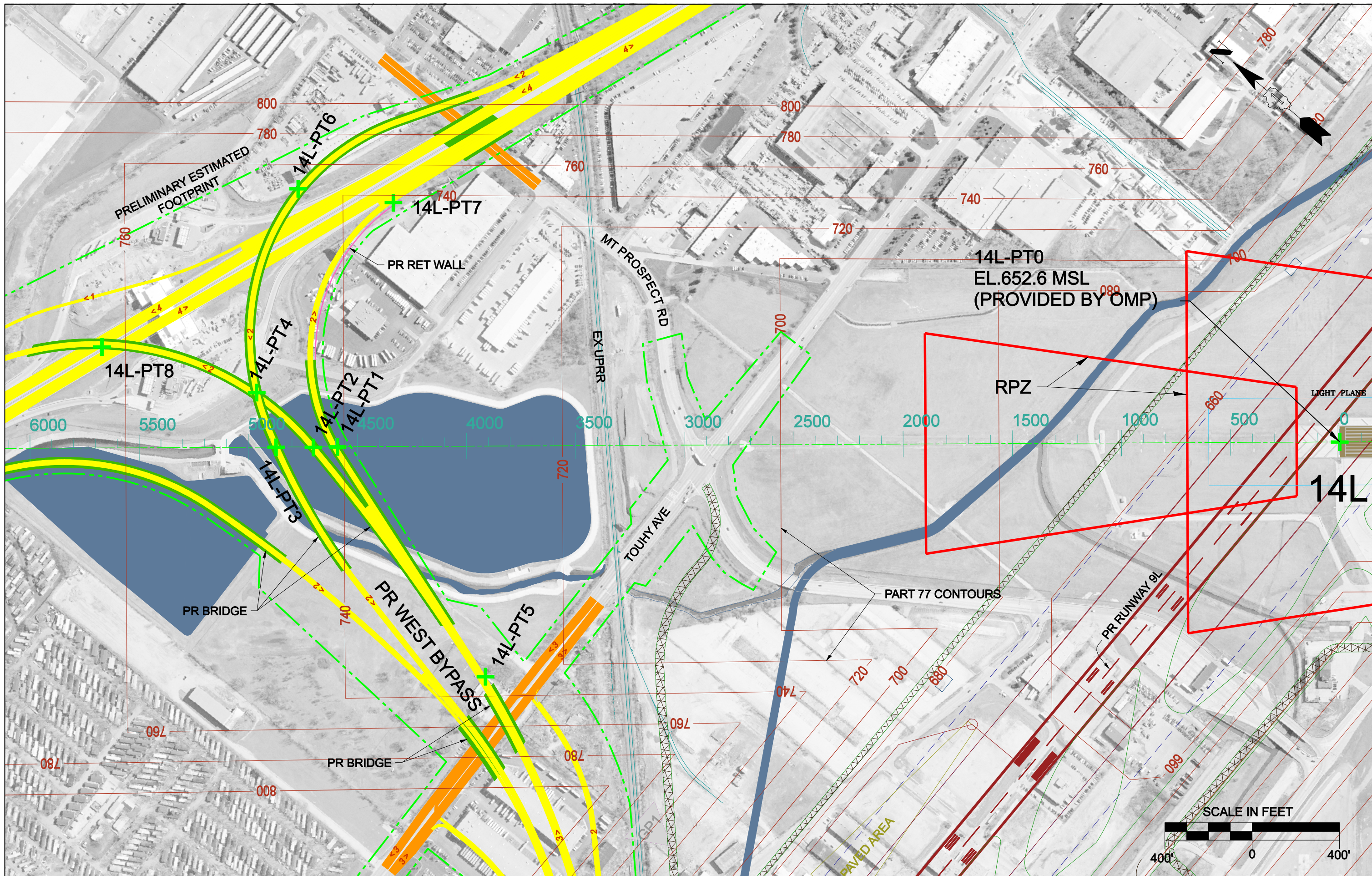


USER NAME
FILE NAME
PLOT SCALE
PLOT DATE

**WEST BYPASS SOUTH CONNECTION ALIGNMENT "G" HEIGHT RESTRICTIONS NEAR FUTURE RUNWAY 28L
PROFILE VIEW**



OCTOBER 2008

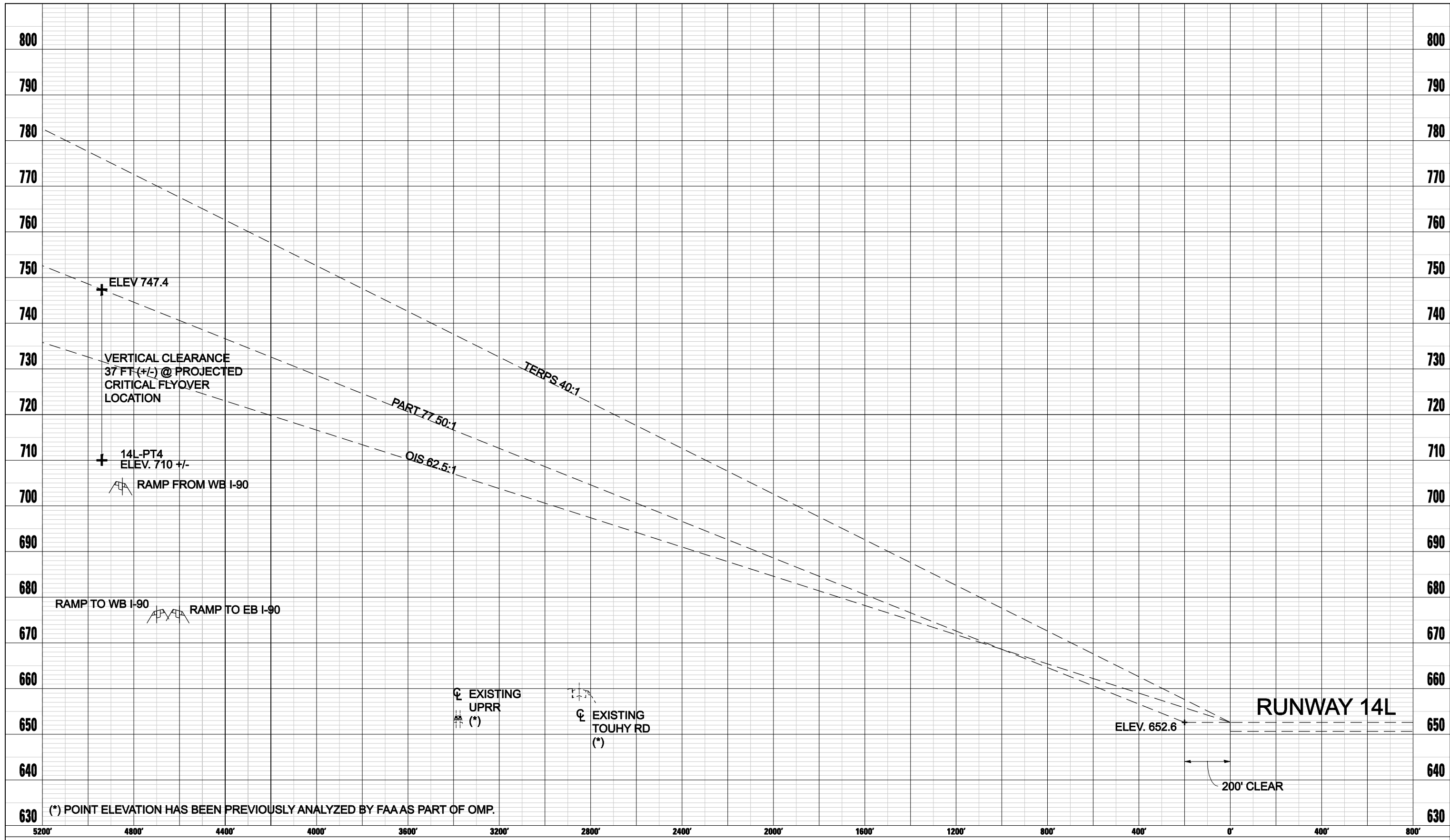


USER NAME = gspvey
 FILE NAME = 1180RPV_14L_FSA203.sht
 PLOT SCALE = 400.0000 1/IN.
 PLOT DATE = 10/30/2008



WEST BYPASS NEAR EXISTING RUNWAY 14L - PLAN VIEW





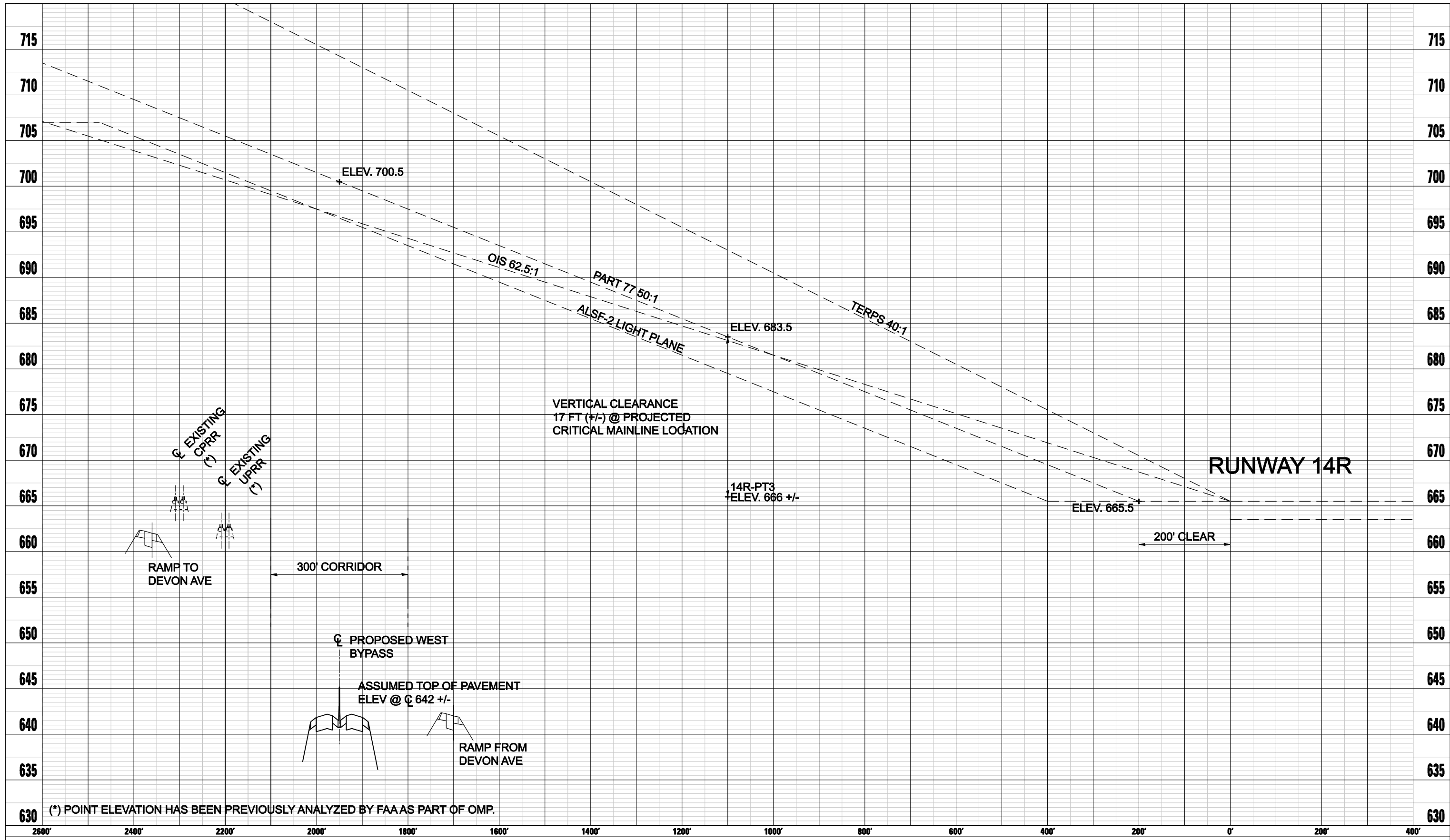
WEST BYPASS HEIGHT RESTRICTIONS NEAR EXISTING RUNWAY 14L – PROFILE VIEW

USER NAME
FILE NAME
PLOT SCALE
PLOT DATE



OCTOBER 2008

SHEET 22 OF 24



(*) POINT ELEVATION HAS BEEN PREVIOUSLY ANALYZED BY FAA AS PART OF OMP.

WEST BYPASS HEIGHT RESTRICTIONS NEAR EXISTING RUNWAY 14R – PROFILE VIEW

USER NAME
FILE NAME
PLOT SCALE
PLOT DATE



OCTOBER 2008

SHEET 24 OF 24