

SURVEY

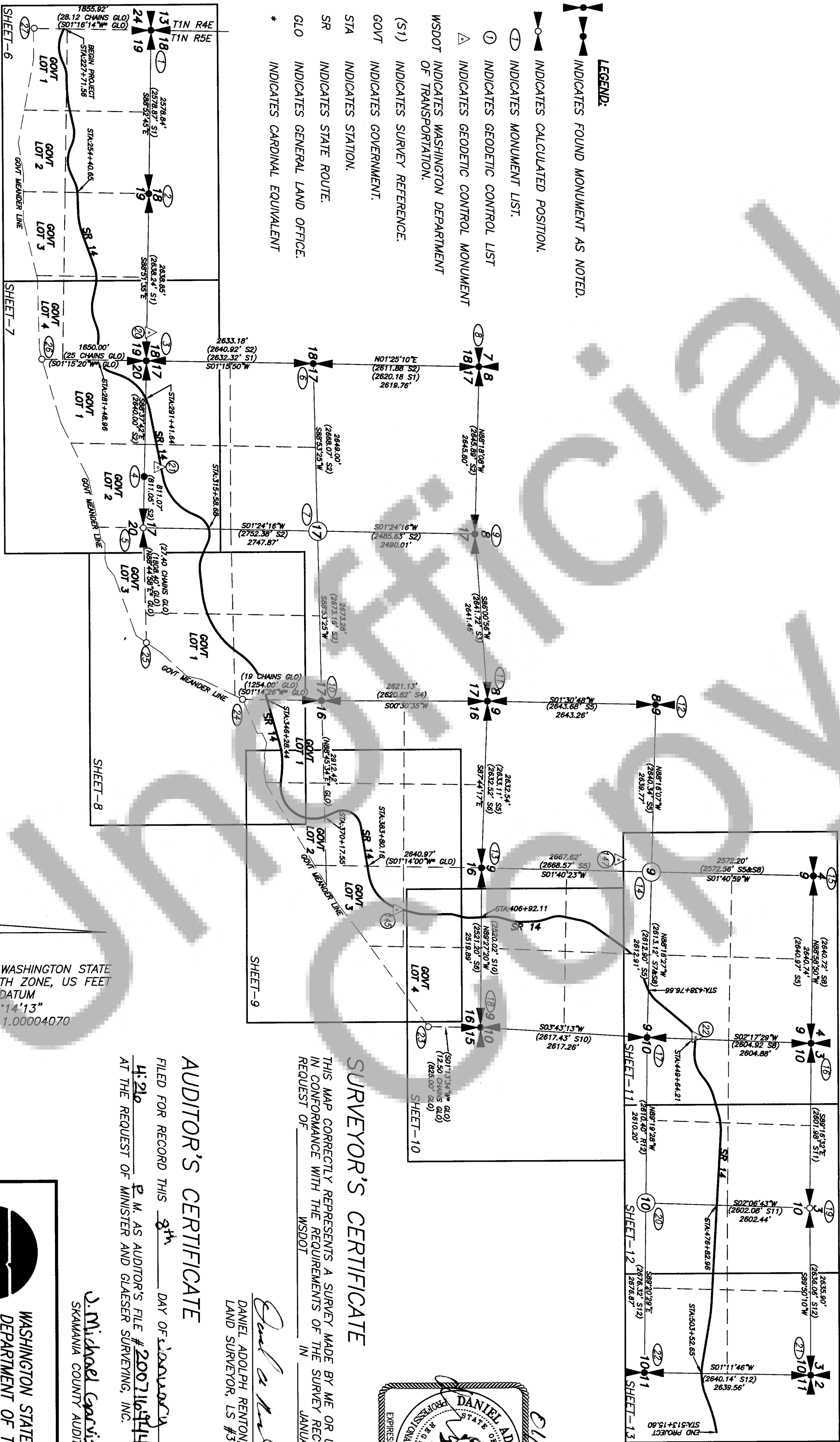
IN A PORTION OF SECTIONS
9, 10, 11, 16, 17, 19 & 20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY, WASHINGTON
SHEET 1 OF 13

SHEET INDEX:

- SHEET 1--SURVEYORS AND AUDITORS CERTIFICATE, VICINITY MAP AND SHEET INDEX.
- SHEET 2--GEODETIC CONTROL COORDINATE LIST, FOUND MONUMENT COORDINATE LIST NARRATIVE, SURVEY REFERENCES AND SURVEY NOTES.
- SHEET 3&4--FOUND MONUMENT DESCRIPTION LIST.
- SHEET 5--GEODETIC CONTROL DESCRIPTION LIST
- SHEET 6 TO 13--SURVEY.

LEGEND:

- INDICATES FOUND MONUMENT AS NOTED.
- INDICATES CALCULATED POSITION.
- INDICATES MONUMENT LIST.
- INDICATES GEODETIC CONTROL LIST
- INDICATES GEODETIC CONTROL MONUMENT
- INDICATES WASHINGTON DEPARTMENT OF TRANSPORTATION.
- (S1) INDICATES SURVEY REFERENCE.
- GOVT INDICATES GOVERNMENT.
- STA INDICATES STATION.
- SR INDICATES STATE ROUTE.
- GLO INDICATES GENERAL LAND OFFICE.
- * INDICATES CARDINAL EQUIVALENT



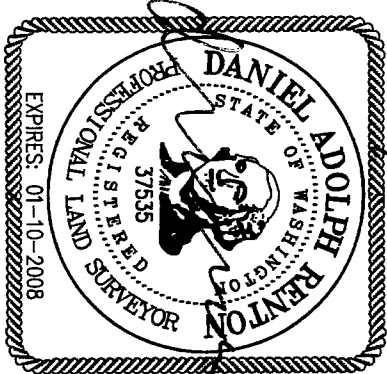
1200 600 0 1200 1800 2400
SCALE 1 INCH = 1200 FEET

DISTANCES AND COORDINATES SHOWN HEREON
ARE BASED ON A WSDOT PROJECT DATUM
TO PROJECT BACK TO GRID, SUBTRACT 326083.333 FEET
FROM PROJECT COORDINATE AND MULTIPLY BY
THE COMBINED SCALE FACTOR OF 1.00004070
(0.21 FEET PER MILE/0.004 FEET PER 100 FEET)

BASIS OF BEARING: NAD 83/91, WASHINGTON STATE
PLANE COORDINATE SYSTEM, SOUTH ZONE, US FEET
CONVERTED TO WSDOT PROJECT DATUM
MEAN CONVERGENCE ANGLE: -01°14'13"
MEAN COMBINED SCALE FACTOR: 1.00004070

SURVEYOR'S CERTIFICATE

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION
IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING ACT AT THE
REQUEST OF WSDOT IN JANUARY, 2006

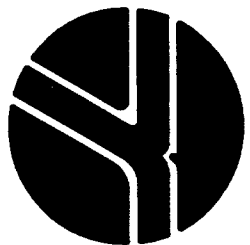


AUDITOR'S CERTIFICATE

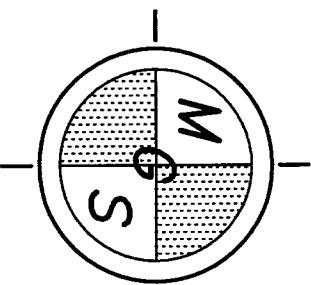
FILED FOR RECORD THIS 24th DAY OF JANUARY 2007 AT
4:20 P.M. AS AUDITOR'S FILE # 2007164440
AT THE REQUEST OF MINISTER AND GLAESER SURVEYING, INC.

Daniel Adolph Renton 01/05/07
DANIEL ADOLPH RENTON, PROFESSIONAL
LAND SURVEYOR, LS #37535

Michael Garrison
SKAMANIA COUNTY AUDITOR



WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
11018 NE 51st CIRCLE
VANCOUVER, WA 98682
1-360-905-2000
FAX 1-360-905-2222



MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313

IN A PORTION OF
SECTIONS 9,10,11,16,17,19&20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY, WASHINGTON
SHEET 2 OF 13

METHOD OF ESTABLISHING RIGHT OF WAY ALIGNMENT LOCATION PER
WASHINGTON DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION:

- RIGHT OF WAY PLANS USED: SHEETS 1-2, 1926.
1) "CLARK COUNTY LINE EAST", SHEETS 3-4, 44, 5-6, 1927.
2) "WING CREEK TO PRINDLE", SHEETS 1-5, 1929.

- BRIDGE PLANS USED:
1) "CONCRETE BRIDGE AND WALLS, WING CREEK TO CAPE HORN",
(HALF BRIDGE) SHEETS 2-3, 1930.
2) "ADJUT AT CAPE HORN, WING CREEK TO CAPE HORN",
(CAPE HORN SLIDE BRIDGE) SHEETS 1-5, 1929.

THERE ARE NO SURVEY MONUMENTS TO ESTABLISH THE LOCATION OF THE
RIGHT OF WAY ALIGNMENT IN THE VICINITY OF THIS PROJECT. HALF
BRIDGE AND CAPE HORN SLIDE BRIDGE ARE THE ONLY SOLID REFERENCE
POINTS TO USE.

IT APPEARS THAT THE ROAD WAS RELOCATED WITHIN THE ROW
BOUNDARIES DURING CONSTRUCTION AND AN AS-BUILT ALIGNMENT WAS
ESTABLISHED. THE EXISTING BRIDGES AND THE AS-BUILT ALIGNMENT WERE
USED AS A STARTING POINT.

METHOD:

- 1) THE SURVEY CREW LOCATED THE PAVEMENT SEATS AND CURB LINES
OF THE TWO BRIDGES.
- 2) THE CENTERS OF THE BRIDGES AT THE PAVEMENT SEATS WERE
CALCULATED FROM CAICE (COMPUTER AIDED ENGINEERING SOFTWARE).
- 3) THE WEST PAVEMENT SEAT OF CAPE HORN SLIDE BRIDGE WAS USED
AS THE STARTING STATION (BRIDGE PLAN STA. 399+40).
- 4) A PARTIAL AS-BUILT ALIGNMENT WAS BUILT FROM THAT POINT
THROUGH THE TWO BRIDGES AND WEST TO THE PI AT STA. 389+58.6.
- 5) THE PARTIAL AS-BUILT ALIGNMENT WAS ROTATED AT THE CAPE HORN
SLIDE BRIDGE WEST PAVEMENT SEAT POINT TO PASS THROUGH THE
CENTER OF THE WEST PAVEMENT SEAT AT HALF BRIDGE.
- 6) THE RIGHT OF WAY ALIGNMENT WAS THEN BUILT FROM PI STA.
389+58.6 AND THE BEARING FROM THAT PI TO HALF BRIDGE WEST
PAVEMENT SEAT.
- 7) THE CURVE PI STATIONS, DELTAS AND DEGREES OF CURVATURES FROM
THE ROW PLANS WERE HELD. THE TANGENTS AND LENGTHS OF CURVE
WERE ADJUSTED BASED ON THE DELTAS AND DEGREES TO DETERMINE
THE TRUE DISTANCE BETWEEN PIS.

WSDOT GEODETIC CONTROL LIST

PT. NO.	PROJECT NORTHING	PROJECT EASTING	GRID NORTHING	GRID EASTING
1	417289.54	1527961.36	89209.83	1199926.86
2	417848.14	1528323.78	89768.46	1200289.30
3	417635.62	1528984.53	89555.93	1200950.07
4	417745.39	1529718.28	89665.70	1201683.85
5	418112.22	1530221.25	90032.55	1202186.84
6	418576.85	1530593.49	90497.20	1202559.10
7	418837.49	1531382.84	90757.85	1203348.48
8	418930.79	1531758.35	90851.15	1203724.01
9	418944.71	1532651.41	90865.07	1204617.10
10	419297.28	1532943.00	91217.66	1204909.01
11	420114.27	1533840.03	92034.68	1205385.73
12	420370.97	1534070.25	92291.39	1206036.00
13	425428.27	1536854.84	97348.89	1208820.70
14	425762.66	1537372.34	97683.30	1209338.23
15	425866.65	1537929.37	97787.30	1209395.28
16	425808.73	1539022.26	97729.38	1210988.21
17	425708.39	1539586.13	97629.03	1211562.11
20	416887.46	1525243.43	88807.74	1197208.82
21	417015.15	1527372.34	88935.44	1199337.82
22	423456.87	1536413.04	97677.50	1208378.89
30	416849.66	1524621.93	88769.93	1196587.30
31	416874.54	1523466.48	88794.82	1195431.80
32	416934.29	1521917.16	88654.58	1193876.41
33	416955.76	1520471.40	88676.05	1192436.60
34	416120.67	1521042.45	88040.92	1193007.67
35	415781.34	1521098.34	87701.58	1193063.56
36	415794.56	1521398.17	87714.79	1193348.40
37	415725.74	1521915.58	87645.97	1193880.84
38	415601.33	1521545.49	87521.55	1193510.73
39	415609.22	1522616.00	87528.45	1195051.29
40	415792.23	1523090.65	87712.46	1195055.95
41	415793.44	1523560.30	87713.68	1195525.62
42	416074.30	1524336.57	87994.55	1196301.92
43	415968.32	1524944.74	87888.56	1196910.12
44	416105.24	1525383.66	88025.49	1197349.06
45	416069.84	1525711.11	87990.08	1197676.52
46	416811.00	1526174.25	88231.28	1198139.68
145	420755.86	1534374.81	92676.30	1206340.57
147	424235.52	1533603.57	96156.10	1205571.30

TO CONVERT FROM PROJECT DATUM TO NAD 83/91, WASHINGTON STATE PLANE
COORDINATE SYSTEM, SOUTH ZONE, US FEET, SUBTRACT 328083.333 FEET AND MULTIPLY
BY THE PROJECT COMBINED SCALE FACTOR OF 1.00004070.

MONUMENT COORDINATE LIST

PT. NO.	PROJECT NORTHING	PROJECT EASTING	GRID NORTHING	GRID EASTING
1	416943.04	1520472.85	88863.32	1192438.05
2	416892.60	1523051.20	88812.88	1195016.50
3	416840.08	1525689.53	88760.36	1197654.94
4	416796.30	1527517.94	88716.58	1199483.42
5	416776.88	1528328.77	88692.15	1200294.28
6	419472.62	1528324.61	91393.01	1197273.02
7	419523.93	1528396.11	91444.32	1200361.64
8	422091.58	1525812.50	94012.07	1197772.91
9	422013.19	1528457.14	93933.68	1200422.66
10	419575.71	1531068.90	91496.10	1203034.53
11	422196.74	1531092.22	94117.24	1203057.85
12	424639.08	1531162.03	96758.68	1203127.66
13	422092.84	1533722.71	94013.33	1205688.45
14	424759.32	1533800.59	96679.92	1205766.33
15	427330.41	1535876.14	99251.12	1205841.88
16	427283.43	1536516.46	99204.13	1208482.31
17	424680.63	1536412.31	98601.23	1208378.16
18	422068.89	1536242.49	93989.38	1208208.33
19	427250.53	1539118.23	99171.23	1211084.19
20	424649.86	1539022.33	98570.46	1210988.28
21	427258.07	1541754.12	99178.77	1213720.18
22	424619.09	1541699.02	98539.69	1213665.08
23	421244.08	1536224.84	93164.54	1208190.67
24	418332.00	1531047.75	90242.34	1203007.38
25	416816.35	1530136.74	88736.63	1202102.33
26	415190.48	1525653.38	87110.69	1197618.78
27	415087.58	1520437.70	87007.78	1192396.89

TO CONVERT FROM PROJECT DATUM TO NAD 83/91, WASHINGTON STATE PLANE
COORDINATE SYSTEM, SOUTH ZONE, US FEET, SUBTRACT 328083.333 FEET AND MULTIPLY
BY THE PROJECT COMBINED SCALE FACTOR OF 1.00004070.

SURVEY REFERENCES

1. "SMART" SURVEY BOOK 2, PAGE 147
2. "LAWSON" SHORT PLAT BOOK 3, PAGE 110
3. "LAWSON" SURVEY BOOK 2, PAGE 120
4. "HAGEDORN" SURVEY BOOK 2, PAGE 61
5. "HAGEDORN" SHORT PLAT BOOK 3, PAGE 4&44
6. "WATE" UNRECORDED SURVEY, FILE 34-5.1-8.2
7. "WHITTEN" SURVEY BOOK 3, PAGE 244
8. "WHITTEN" SURVEY BOOK 3, PAGE 11&112
9. "BESEDA" SURVEY BOOK 3, PAGE 402&405
10. "HAGEDORN" SURVEY BOOK 2, PAGE 10
11. "GLAESER" SURVEY BOOK 1, PAGE 220
12. "OLSON" SURVEY BOOK 1, PAGE 456&457
13. "WHITTEN" SHORT PLAT BOOK 3, PAGE 342&343
14. "HAGEDORN" SURVEY BOOK 1, PAGE 127
15. "HAGEDORN" SURVEY BOOK 3, PAGE 330
16. "WHITTEN" SHORT PLAT BOOK 3, PAGE 293

BASIS OF BEARING

NAD 83/91, WASHINGTON STATE PLANE COORDINATE SYSTEM
SOUTH ZONE, US FEET FROM TIES TO WSDOT GEODETIC
CONTROL POINTS GP30014-5,20,21&22. SAID STATE PLANE
COORDINATE SYSTEM HAS BEEN CONVERTED TO A WSDOT PROJECT
DATUM. TO OBTAIN PROJECT DATUM, DIVIDE GRID COORDINATES BY
THE PROJECT COMBINED SCALE FACTOR (1.00004070) AND ADD 328083.333.

DISTANCE AND COORDINATES

ALL DISTANCES AND COORDINATES ARE ON A WSDOT PROJECT DATUM.
TO OBTAIN NAD 83/91, WASHINGTON STATE PLANE COORDINATE SYSTEM,
SOUTH ZONE, US FEET DISTANCES AND COORDINATES, SUBTRACT 328083.333
FEET AND MULTIPLY BY THE PROJECT COMBINED SCALE FACTOR OF 1.00004070.

PLAN REFERENCES

THE RIGHT OF WAY PLANS ASSOCIATED WITH THIS SURVEY ARE AS FOLLOWS

- 1.) "STATE OF WASHINGTON, STATE HIGHWAY DEPARTMENT, MAP AND PROFILE OF
STATE ROAD NO. 8 (STATE ROUTE 14) CLARK COUNTY LINE EAST, APPROVED
MAY 21ST 1923 SHEETS 1 AND 2 OF 3. THE RIGHT OF WAY PLANS ARE ON
FILE AT THE WASHINGTON DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION
HEADQUARTERS IN VANCOUVER, WASHINGTON.

- 2.) "STATE OF WASHINGTON, STATE HIGHWAY DEPARTMENT, MAP AND PROFILE OF
STATE ROAD NO. 8 (STATE ROUTE 14) WING CREEK TO PRINDLE APPROVED MAY
24TH 1927 SHEETS 3,4,4A,5 AND 6 OF 6. THE RIGHT OF WAY PLANS ARE ON
FILE AT THE WASHINGTON DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION
HEADQUARTERS IN VANCOUVER, WASHINGTON.

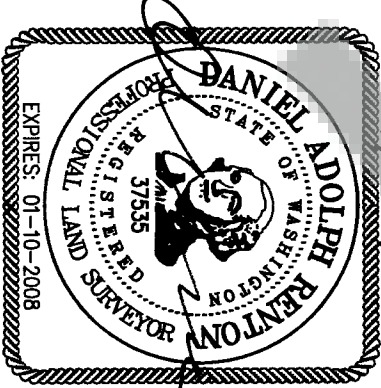
MARRATIVE

THE PURPOSE OF THIS SURVEY WAS TO LOCATE ALL SECTION CORNERS,
QUARTER CORNERS AND LOCAL CONTROLLING CORNERS WITHIN THE PROPOSED
REALIGNMENT AND WIDENING PROJECT ALONG STATE ROUTE 14 BETWEEN MILE
POST 22.68 TO 26.49. THE SAID CORNERS WERE TIED TO THE CENTERLINE
ALIGNMENT THAT WAS COMPUTED BY WSDOT SURVEYORS AT THE COLUMBIA
GORGE AREA ENGINEERING OFFICE.

ALL CORNERS WERE DOUBLED TIED USING A COMBINATION OF RTK-GPS (TRIMBLE
4700 BASE, TRIMMARK III RADIO AND TRIMBLE 5800 ROVER) AND ROBOTIC TOTAL
STATION (TRIMBLE 5600). ALL CONTROL WAS REFERENCED TO THE WSDOT
GEODETIC CONTROL SYSTEM AND REDUCED TO A WSDOT PROJECT DATUM.

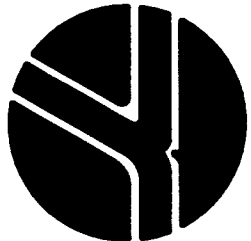
NOTES

- 1.) * INDICATES BEARING WAS COMPUTED BY CARDINAL EQUIVALENT, BY
APPLYING THE CONVERGENCE ANGLE AT THAT POSITION.
- 2.) THE GOVERNMENT MEANDER LINE WAS COMPUTED BY COMPUTING THE
MEANDER CORNERS AND COMPASS RULE ADJUSTING THE RECORD GLO BEARING
AND DISTANCES BETWEEN COMPUTED MEANDER CORNERS.

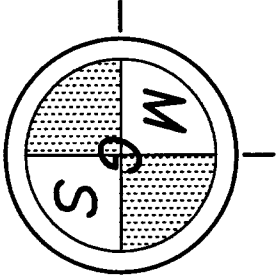


01/05/07

SCALE: N/A
JOB NO. 04-287Z
DATE: 12-31-06
CALC BY: DAR
DRAWN BY: DAR
CHECKED BY: JLS
SHEET 2 OF 13



WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
11018 NE 51st CIRCLE
VANCOUVER, WA 98682
1-360-905-2000
FAX 1-360-905-2222



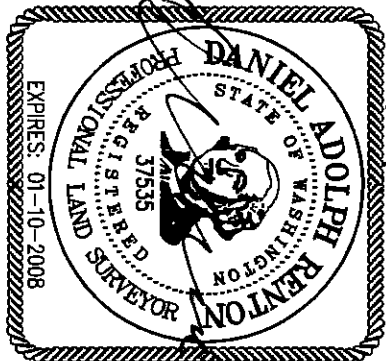
MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313

2007164440

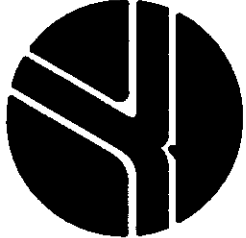
SURVEY
IN A PORTION OF
SECTIONS 9,10,11,16,17,19&20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY, WASHINGTON
SHEET 3 OF 13

MONUMENT DESCRIPTION LIST

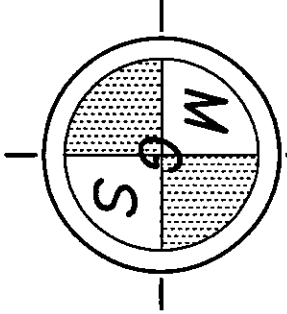
1. FOUND A 3-5/8" BRASS DISK STAMPED "WASHINGTON COUNTY REF. MARK" SET IN CONCRETE WITH CASE AND COVER AT THE APPARENT CENTERLINE OF MARBLE ROAD AND FITZGERALD ROAD. HELD FOR THE SECTION CORNER COMMON TO SECTIONS 13 AND 24, T 1, N, R 4, E AND SECTIONS 18 AND 19, T 1, N, R 5, E. MONUMENT IS ALSO CLARK COUNTY GEODETIC CONTROL POINT "53". SEE LAND CORNER RECORD BOOK 140, PAGES 138-139. SEE SURVEY REFERENCE 1.
2. FOUND RAIL ROAD SPIKE WITH CHISELED "X" IN APPARENT CENTERLINE OF MARBLE ROAD. HELD FOR THE SOUTH QUARTER CORNER OF SECTION 18. REFERENCE POINTS ARE AS FOLLOWS:
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" ON SOUTH RIGHT OF WAY OF MARBLE ROAD, 578'11"12"E, 146.69 FEET
NORTHING: 41862.570
EASTING: 1523194.78
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" ON NORTH RIGHT OF WAY OF MARBLE ROAD, N85'15'36"W, 427.90 FEET
NORTHING: 416927.96
EASTING: 1522624.76
SEE SURVEY REFERENCE 1.
3. FOUND A BENT 1/2" IRON ROD AT THE APPARENT CENTERLINE OF MARBLE ROAD AND TURK ROAD, HELD FOR SECTION CORNER COMMON TO SECTIONS 17,18,19&20. REPLACED WITH A 1/2" IRON ROD WITH A YELLOW PLASTIC CAP STAMPED "RENTON 37535" REFERENCE POINTS ARE AS FOLLOWS:
WSDOT GEODETIC CONTROL POINT "46" S86°34'02"E, 485.59 FEET
WSDOT GEODETIC CONTROL POINT "20" N83°56'15"W, 448.61 FEET
SEE GEODETIC CONTROL COORDINATE LIST AND DESCRIPTION LIST ON SHEET 2 OF THIS SURVEY. SEE SURVEY REFERENCE 1&2.
4. FOUND A 1/2" IRON PIPE, HELD FOR NORTHING ALONG THE SOUTH LINE OF SECTION 17.
SEE SURVEY REFERENCE 2.
5. COMPUTED POSITION OF THE SOUTH QUARTER OF SECTION 17 PER SURVEY REFERENCE 1.
6. FOUND A 1/2" IRON ROD WITH YELLOW PLASTIC CAP STAMPED "SMART 16929" HELD FOR THE WEST QUARTER CORNER OF SECTION 17. REFERENCE POINTS ARE AS FOLLOWS: FENCE POST N85°22'17"E, 17.92 FEET, FENCE POST N22°15'27"W, 21.41 FEET.
SEE SURVEY REFERENCE 1 AND 2.
7. COMPUTED CENTER OF SECTION FOR SECTION 17, NOTHING SET.
8. FOUND A 3" ALUMINUM DISK STAMPED "SKAMANIA COUNTY ENGINEER" NEXT TO BENT 3/4" IRON PIPE, HELD DISK FOR THE SECTION CORNER COMMON THE SECTIONS 7,8,17&18. COULD NOT FIND RECORD OF WHEN SAID DISK WAS SET. REFERENCE POINTS ARE AS FOLLOWS:
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" N00°19'37"E, 489.02 FEET
NORTHING: 422580.59
EASTING: 1525815.29
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" N07°31'55"E, 132.24 FEET
NORTHING: 422227.64
EASTING: 1525830.49
SEE SURVEY REFERENCE 1,2&6.
9. FOUND A SKAMANIA COUNTY BRASS DISK IN BOX MONUMENT SET IN CONCRETE AT THE APPARENT CENTERLINE INTERSECTION OF BELLE CENTER ROAD AND JEMTEGAARD ROAD. HELD FOR THE NORTH QUARTER CORNER OF SECTION 17. SEE SURVEY REFERENCE 2,3,6,14,15&16.
10. FOUND A 1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "LAWSON" AT A 3-WAY FENCE CORNER. HELD FOR THE EAST QUARTER CORNER OF SECTION 17. SEE SURVEY REFERENCE 2.
11. FOUND A 3/4" IRON PIPE AT A 3-WAY FENCE CORNER. HELD FOR THE SECTION CORNER COMMON TO SECTIONS 8,9,16&17. REFERENCE POINTS ARE AS FOLLOWS:
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" S24°22'49"W, 592.04 FEET
NORTHING: 421657.49
EASTING: 1530847.83
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" S13°47'46"W, 364.72 FEET
NORTHING: 421842.55
EASTING: 1531005.23
SEE SURVEY REFERENCE 2,3,4,5,6,10&15.
12. FOUND A IRON ROD WITH A SKAMANIA COUNTY 1-1/2" ALUMINUM CAP IN THE PAVEMENT OF MT PLEASANT ROAD. HELD FOR THE WEST QUARTER CORNER OF SECTION 9. REFERENCE POINTS ARE AS FOLLOWS:
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" S60°12'29"W, 219.12 FEET
NORTHING: 424730.210
EASTING: 1530971.87
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" S76°37'46"E, 1054.97 FEET
NORTHING: 424595.12
EASTING: 1532188.40
SEE LAND CORNER RECORD BOOK 1/5, PAGES 2.
SEE SURVEY REFERENCE 5,10&14.
13. FOUND A 3/4" IRON PIPE, HELD FOR THE SOUTH QUARTER CORNER OF SECTION 9. REFERENCE POINTS ARE AS FOLLOWS:
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" N21°23'59"W, 16.69 FEET
EASTING: 1533716.62
FENCE POST AT 2-WAY FENCE CORNER N86°03'59"W, 16.91 FEET
SEE SURVEY REFERENCE 5,6&10.
14. FOUND A 1" IRON PIPE WITH A 3" BRASS DISK STAMPED AS DESCRIBED IN SURVEY REFERENCE 16. HELD FOR THE CENTER OF SECTION OF SECTION 9.
REFERENCE POINTS ARE AS FOLLOWS:
3/4" IRON ROD WITH SKAMANIA COUNTY ENGINEERS CAP" S08°15'52"E, 5.43 FEET
NORTHING: 424753.95
EASTING: 1533801.37
3/4" IRON ROD WITH SKAMANIA COUNTY ENGINEERS CAP" S00°44'27"E, 25.57 FEET
NORTHING: 424733.80
EASTING: 1533800.92
SEE SURVEY REFERENCE 5,7,8,10&16.



01/05/07



WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
11018 NE 51st CIRCLE
VANCOUVER, WA 98682
1-360-905-2000
FAX 1-360-905-2222



MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313

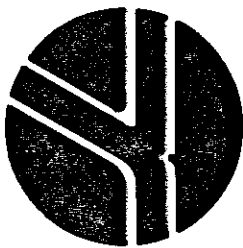
SCALE: N/A
JOB NO. 04-287
DATE: 12-31-06
CALC BY: DAR
DRAWN BY: DAR
CHECKED BY: JLS
SHEET 3 OF 13

SURVEY
IN A PORTION OF
SECTIONS 9,10,11,16,17,19&20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY, WASHINGTON
SHEET 4 OF 13

MONUMENT DESCRIPTION LIST

15. FOUND A 1" IRON PIPE WITH A 3" BRASS DISK STAMPED AS DESCRIBED IN SURVEY REFERENCE 9. HELD FOR THE NORTH QUARTER CORNER OF SECTION 9.
REFERENCE POINTS ARE AS FOLLOWS:
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" S28°37'11"E, 19.46 FEET
NORTHING: 427313.33
EASTING: 1533885.46
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" S87°41'34"E, 52.41 FEET
NORTHING: 427328.30
EASTING: 1533928.51
SEE SURVEY REFERENCE 9.
16. FOUND A 3/4" IRON PIPE WITH A 3" BRASS DISK STAMPED AS DESCRIBED IN SURVEY REFERENCE 8. HELD FOR THE SECTION CORNER COMMON TO SECTIONS 3,4,9&10.
REFERENCE POINTS ARE AS FOLLOWS:
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" S34°16'42"W, 449.83 FEET
NORTHING: 426911.73
EASTING: 1536263.11
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" S03°38'22"W, 245.12 FEET
NORTHING: 427038.80
EASTING: 1536500.90
SEE SURVEY REFERENCE 8.
17. FOUND A 1" IRON PIPE WITH A 3" BRASS DISK STAMPED AS DESCRIBED IN SURVEY REFERENCE 8. HELD FOR THE EAST QUARTER CORNER OF SECTION 9.
REFERENCE POINTS ARE AS FOLLOWS:
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" N24°42'45"E, 476.05 FEET
NORTHING: 425113.08
EASTING: 1536611.33
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" N27°05'48"W, 272.30 FEET
NORTHING: 424923.04
EASTING: 1536536.34
SEE SURVEY REFERENCE 12.
18. FOUND A 1" IRON PIPE WITH A 3" BRASS DISK IN THE PAVEMENT OF CAPE HORN DEPOT ROAD AS DESCRIBED IN SURVEY REFERENCE 12. HELD FOR THE SECTION CORNER COMMON TO SECTIONS 9,10,15&16.
REFERENCE POINTS ARE AS FOLLOWS:
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" N09°20'29"W, 300.21 FEET
NORTHING: 422365.12
EASTING: 1536193.76
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" N20°21'43"W, 443.05 FEET
NORTHING: 422484.26
EASTING: 1536088.33
SEE SURVEY REFERENCE 5,10,11&12.
19. COMPUTED POSITION OF THE NORTH QUARTER CORNER OF SECTION 10. CORNER WAS DESTROYED DURING THE CONSTRUCTION OF THE CAPE HORN SUBSTATION. POSITION WAS COMPUTED PER SURVEY REFERENCE 11. REFERENCE POINTS ARE AS FOLLOWS:
3" BONNEVILLE POWER ADMINISTRATION ALUMINUM DISK" N02°07'35"E, 112.88 FEET
NORTHING: 427363.33
EASTING: 1539122.42
3" BONNEVILLE POWER ADMINISTRATION ALUMINUM DISK" S02°01'18"E, 47.68 FEET
NORTHING: 427202.88
EASTING: 1539116.55
SEE LAND CORNER RECORD BOOK 133, PAGES 176.
SEE SURVEY REFERENCE 11&12.
20. FOUND A 1" IRON PIPE WITH A 3" BRASS DISK AS DESCRIBED IN SURVEY REFERENCE 12. HELD FOR THE CENTER OF SECTION OF SECTION 10.
REFERENCE POINTS ARE AS FOLLOWS:
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" N84°02'36"W, 509.37 FEET
NORTHING: 424702.72
EASTING: 1538515.71
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" N43°33'53"W, 166.00 FEET
NORTHING: 424770.14
EASTING: 1538907.93
SEE SURVEY REFERENCE 11&12.
21. FOUND A 1" IRON PIPE WITH A 3" SKAMANIA COUNTY BRASS DISK AS DESCRIBED IN SURVEY REFERENCE 13. HELD FOR THE SECTION CORNER COMMON TO SECTIONS 2,3,10&11.
REFERENCE POINTS ARE AS FOLLOWS:
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" N28°35'01"E, 125.83 FEET
NORTHING: 427368.56
EASTING: 1541814.32
1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MGS CONTROL" N74°37'10"E, 762.47 FEET
NORTHING: 427460.30
EASTING: 1542489.28
SEE SURVEY REFERENCE 11,12&13.
22. FOUND A 5/8" IRON PIPE WITH A 2" ALUMINUM DISK AS DESCRIBED IN LAND CORNER RECORD BOOK 254, PAGES 557.
HELD FOR THE EAST QUARTER CORNER OF SECTION 10.
SEE SURVEY REFERENCE 12&17.
- *23. COMPUTED POSITION OF MEANDER CORNER. POSITION WAS COMPUTED BY HOLDING THE GLO DISTANCE AND APPLYING A CONVERGENCE ANGLE OF -01°13'34" AT THE SOUTHEAST CORNER OF SECTION 9 FOR THE CARDINAL DIRECTION.
- *24. COMPUTED POSITION OF MEANDER CORNER. POSITION WAS COMPUTED BY HOLDING THE GLO DISTANCE AND APPLYING A CONVERGENCE ANGLE OF -01°14'26" AT THE EAST QUARTER CORNER OF SECTION 17 FOR THE CARDINAL DIRECTION.
- *25. COMPUTED POSITION OF MEANDER CORNER. POSITION WAS COMPUTED BY HOLDING THE GLO DISTANCE AND APPLYING A CONVERGENCE ANGLE OF -01°15'02" AT THE SOUTH QUARTER CORNER OF SECTION 17 FOR THE CARDINAL DIRECTION.
- *26. COMPUTED POSITION OF MEANDER CORNER. POSITION WAS COMPUTED BY HOLDING THE GLO DISTANCE AND APPLYING A CONVERGENCE ANGLE OF -01°15'20" AT THE SOUTHEAST CORNER OF SECTION 18 FOR THE CARDINAL DIRECTION.
- *27. COMPUTED POSITION OF MEANDER CORNER. POSITION WAS COMPUTED BY HOLDING THE GLO DISTANCE AND APPLYING A CONVERGENCE ANGLE OF -01°16'14" AT THE SOUTHWEST CORNER OF SECTION 18 FOR THE CARDINAL DIRECTION.

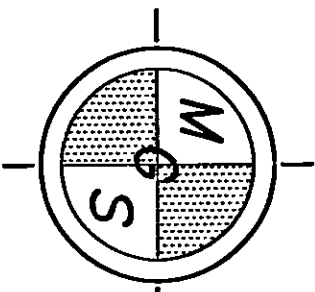
SCALE: N/A
JOB NO. 04-287
DATE: 12-31-06
CALC BY: DAR
DRAWN BY: DAR
CHECKED BY: JLS
SHEET 4 OF 13



WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
11018 NE 51st CIRCL
VANCOUVER, WA 98662
1-360-905-2000
FAX 1-360-905-2222



01/05/07



MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313

SURVEY
IN A PORTION OF
SECTIONS 9,10,11,16,17,19&20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY, WASHINGTON
SHEET 5 OF 13

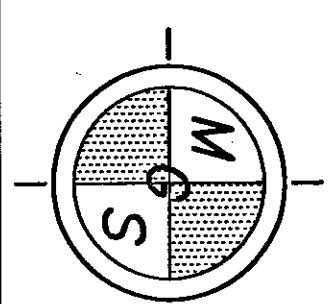
① GEODETIC CONTROL DESCRIPTION LIST

- 1.) MP 23.32 SR-14
ROD WITH YELLOW CAP (NO LOGO), 1.3' SOUTH OF EAST BOUND EDGE OF PAVEMENT IN GRAVEL SHOULDER,
50.7' WEST OF WOOD SIGN POST, RIGHT CURVE ARROW, 30 MPH, FOR EAST BOUND TRAFFIC.
- 2.) MP 23.44 SR-14
ROD WITH YELLOW CAP (NO LOGO), 7.0' EAST OF GUARDRAIL FACE ON EAST SIDE BELLE CENTER ROAD, 14.5' SOUTH
OF A POWER POLE WITH 3 GUY ANCHORS & LUMINAIRES HEAD, 6.1', S 62° W OF CABLE ROUTE SIGN POST.
- 3.) MP 23.57 SR-14
ROD WITH YELLOW CAP (NO LOGO) IN EAST BOUND GRAVEL SHOULDER, 7.1' SOUTH OF EAST BOUND GUARDRAIL FACE,
8.5' S 50° E OF CENTER POST AT BEGINNING OF EAST BOUND GUARDRAIL RUN, AT EASTERLY END OF A GRAVEL
APPROACH TO A BIG GRASS FIELD ON THE SOUTH SIDE OF SR14.
- 4.) MP 23.71 SR-14
ROD WITH YELLOW CAP (NO LOGO) 0.8' SOUTH OF EAST BOUND EDGE OF PAVEMENT AT TOE OF BERM FOR BURIED
GUARD RAIL END, 10.2', N 28° E OF PK NAIL SET IN TOP OF END POST FOR BURIED GUARDRAIL END.
- 5.) MP 23.83 SR-14
PK NAIL IN EAST BOUND PAVED SHOULDER (WIDENED FOR TURN-OUT) 7.2' NORTH OF GUARDRAIL FACE,
11.1', N 74° W OF METAL GUIDE POST MOUNTED ON GUARDRAIL POST.
- 6.) MP 23.95 SR-14
ROD WITH YELLOW CAP (NO LOGO) 3.1' NORTH OF WEST BOUND EDGE OF PAVEMENT IN APPROXIMATE DITCH BOTTOM,
8.9' SOUTHWEST OF SOUTHWEST CORNER OF BLACK PLASTIC BASE FOR HIGH VOLTAGE TRANSFORMER BOX#8839.
- 7.) MP 24.11 SR-14
ROD WITH YELLOW CAP (NO LOGO) 3.2' NORTH OF WEST BOUND EDGE OF PAVEMENT IN DITCH AT TOE OF CUT BANK
APPROXIMATELY N 65° W OF THE EAST END OF THE BURIED END SECTION OF A GUARDRAIL RUN ON THE SOUTH SIDE
OF SR14.
- 8.) MP 24.19 SR-14
ROD WITH YELLOW CAP (NO LOGO) IN WEST BOUND GRAVEL SHOULDER, 0.4' NORTH OF WEST BOUND EDGE OF
PAVEMENT, APPROXIMATE 4.0' SOUTH OF TOE OF CUT BANK, APPROXIMATE N 82° W OF A LEFT CURVE ARROW 40 MPH
FOR EAST BOUND TRAFFIC.
- 9.) MP 24.36 SR-14
PK NAIL 4.1' NORTH OF EAST BOUND EDGE OF PAVEMENT IN SHOULDER TURN-OUT, 49.2', S 70° W OF A SIGN WITH
NORTH FACING ARROW FOR EAST BOUND TRAFFIC.
- 10.) MP 24.44 SR-14
ROD WITH ALUMINUM CAP WITH PUNCH MARK, TOP OF CUT BANK SOUTH SIDE SR14, EAST OF A GRAVEL ROAD
APPROACH AT THE EAST END OF A GUARDRAIL RUN, ROAD FACES APPROXIMATELY S 10° W, 50.0', S 4° W OF A RIGHT
CURVE ARROW SIGN, 30 MPH FOR EAST BOUND TRAFFIC.
- 11.) MP 24.60 SR-14
ROD WITH YELLOW CAP (NO LOGO), TOP CUT BANK NORTH SIDE OF SR14, 18.4', N 60° W OF A SIGN WITH A LEFT
WARNING CHEVRON FOR WEST BOUND TRAFFIC, APPROXIMATE 26.0', N 5° W OF THE BURIED END SECTION OF A
CONCRETE BARRIER RUN.
- 12.) MP 24.83 SR-14
ROD WITH YELLOW CAP (NO LOGO), BEHIND GUARDRAIL SOUTH SIDE SR14, 6.0' SOUTH OF EAST BOUND EDGE OF
PAVEMENT, 7.35' FROM EASTERLY PK NAIL SET IN TOP OF GUARDRAIL POST, 8.40' FROM WESTERLY PK NAIL SET
IN TOP OF GUARDRAIL POST, APPROXIMATELY 87.0' EAST OF SIGN FOR ROCKS.
- 13.) MP 26.04 SR-14
ROD WITH YELLOW CAP (NO LOGO), TOP OF CUT BANK, 14.6' SOUTH OF EASTBOUND EDGE OF PAVEMENT, 38.2',
N 84° E OF A SIGN POST PRINDE SCHOOL ADAPT-A-HWY FOR EAST BOUND TRAFFIC, BETWEEN 2 TWO EAST BOUND
GUARDRAIL RUNS.
- 14.) MP 26.15 SR-14
ROD WITH YELLOW CAP (NO LOGO), IN DITCH BOTTOM, 5.5' NORTH OF WEST BOUND EDGE OF PAVEMENT,
6.3', S 50° E OF METAL SIGN POST FOR ROCKS FOR WEST BOUND TRAFFIC.
- 15.) MP 26.26 SR-14
ROD WITH YELLOW CAP (NO LOGO), IN DITCH BOTTOM 4.5' NORTH OF WEST BOUND EDGE OF PAVEMENT,
4.5', S 45° W OF WOODEN SIGN POST, WEST & HWY 14 SYMBOL FOR WEST BOUND TRAFFIC, 19.8' EAST
OF CENTER OF GRATE INLET IN DITCH.
- 16.) MP 26.47 SR-14RT
NAPK NAIL IN WEST BOUND PAVED SHOULDER, 18.0' EAST OF END GUARDRAIL POST FOR GUARDRAIL RUN ON NORTH
SIDE OF SR14, EAST OF CANYON CREEK ROAD, 15.1' BEARING S 30° E OF FACE OF WOOD UTILITY POLE.
- 17.) MP 26.58 SR-14
- 20.) GP30014-20 SEE WSDOT REPORT OF SURVEY MARK SHEET, MONUMENT ID NO. 5362
- 21.) GP30014-21 SEE WSDOT REPORT OF SURVEY MARK SHEET, MONUMENT ID NO. 5363
- 22.) GP30014-22 EE WSDOT REPORT OF SURVEY MARK SHEET, MONUMENT ID NO. 5364
- 30.) MP 0.32 MARBLE ROAD
- 31.) MP 0.53 MARBLE ROAD
- 32.) MP 0.83 MARBLE ROAD
- 33.) MP 1.10 MARBLE ROAD
- 34.) NO DESCRIPTION
- 35.) NO DESCRIPTION
- 36.) NO DESCRIPTION

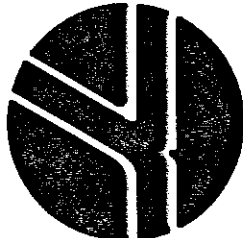
① GEODETIC CONTROL DESCRIPTION LIST

- 37.) MP 22.08 SR-14
ROD WITH YELLOW CAP WSDOT CONTROL, TOP OF CUT BANK NORTH OF WEST BOUND TRAFFIC SR14 +/- 17.0'
NORTH OF WEST BOUND EDGE OF PAVEMENT, 9.0' SOUTH OF 5" DIA. DOUGLAS FIR +/- 150' WEST OF
CENTERLINE OF MOORE FALLS ROAD, SIGN, PRIVATE DRIVE AT DRIVEWAY ENTRANCE .
- 38.) MP 22.00 SR-14
PK NAIL EAST BOUND PAVED SHOULDER SR14, 3.6' NORTH OF FACE OF GUARDRAIL, 6.5' NORTH OF SIGN POST.
- 39.) MP 22.21 SR-14
PK NAIL SOUTH BOUND PAVED SHOULDER, 5.0' NORTH OF GUARDRAIL FACE, 18.3', N 38° E OF METAL SIGN POST FOR
SEAT BELTS.
- 40.) MP 22.31 SR-14
PK NAIL IN WEST BOUND PAVED SHOULDER, 5.2' SOUTH OF WEST BOUND EDGE OF PAVEMENT, 12.7' SOUTHEAST
OF WOOD SIGN POST RIGHT ARROW SYMBOL FOR EAST BOUND TRAFFIC.
- 41.) MP 22.40 SR-14
ROD WITH YELLOW CAP WSDOT CONTROL IN EAST BOUND GRAVEL SHOULDER, 3.5' SOUTH OF EAST BOUND GUARDRAIL
FACE.
- 42.) MP 22.55 SR-14
PK NAIL IN WEST BOUND PAVED SHOULDER AT WEST END GUARDRAIL RUN, 6.0' SOUTH OF PK NAIL SET IN WEST
MOST GUARDRAIL POST, 26.2' EAST OF WOOD SIGN POST, 40 MPH FOR EAST BOUND TRAFFIC IN NORTH SHOULDER.
- 43.) MP 22.67 SR-14
PK NAIL IN EAST BOUND PAVED SHOULDER, WIDENING AREA, 4.8' NORTH OF GUARDRAIL FACE, 77.0' EAST OF WOOD
SIGN POST, 40 MPH FOR EAST BOUND TRAFFIC.
- 44.) MP 22.76 SR-14
PK NAIL IN WEST BOUND PAVED SHOULDER UNDER GRAVEL, 19.4' NORTH OF DOUBLE YELLOW PAVEMENT LINE MARKING
OLD DRIVEWAY APPROACH, 74.5' EAST OF FACE OF METAL SIGN POST , 35 MPH SIGN.
- 45.) MP 22.82 SR-14
PK NAIL IN EAST BOUND PAVED SHOULDER WIDENING, 3.6' NORTH OF GUARDRAIL FACE, 10.6' DUE WEST OF SIGN
POST 4TH KEEP RIGHT CHEVRON FOR EAST BOUND TRAFFIC.
- 46.) MP 22.99 SR-14
ROD WITH YELLOW CAP NO LOGO, 5.2' SOUTHWEST OF GUARDRAIL FACE ON MARBLE ROAD, 4.0', S 15° W OF SIGN
STOP SIGN POST ON EAST BOUND MARBLE ROAD, 41.0', N 30° W OF DOUBLE YELLOW PAVEMENT LINE MARKING.
- 145.) GP30014-5 SEE WSDOT REPORT OF SURVEY MARK SHEET, MONUMENT ID NO. 255
- 147.) MCS-147 APPROXIMATELY 450 SOUTH OF THE INTERSECTION OF STRUNK ROAD AN RIM DRIVE, ON THE WEST SIDE
OF RIM DRIVE, 10' WEST OF EDGE OF PAVEMENT, A 1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "MCS CONTROL"

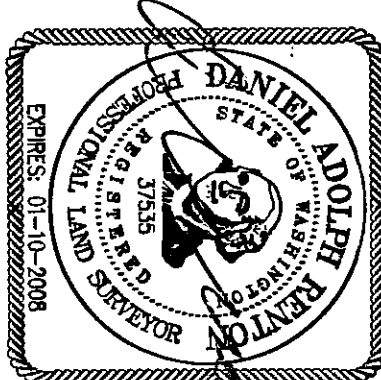
SCALE: N/A
JOB NO. 04-287
DATE: 12-31-06
CALC BY: DAR
DRAWN BY: DAR
CHECKED BY: JLS
SHEET 5 OF 13



MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313

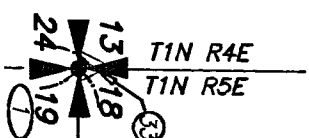


WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
11018 NE 51st CIRCL
VANCOUVER, WA 98682
1-360-905-2000
FAX 1-360-905-2222



SURVEY

IN A PORTION OF SECTIONS 9, 10, 11, 16, 17, 19 & 20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY, WASHINGTON
SHEET 6 OF 13



2578.84'
(2578.87' ST)
S88°52'45"E

2638.85'
(2638.24' ST)
S88°51'35"E

13

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

SURVEY

IN A PORTION OF SECTIONS 9,10,11,16,17,19&20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY, WASHINGTON
SHEET 7 OF 13

LEGEND:

- INDICATES FOUND MONUMENT AS NOTED.
- INDICATES CALCULATED POSITION.
- INDICATES MONUMENT LIST.
- INDICATES GEODETIC CONTROL MONUMENT.
- INDICATES GEODETIC CONTROL LIST.
- INDICATES WASHINGTON DEPARTMENT OF TRANSPORTATION.
- INDICATES SURVEY REFERENCE.
- INDICATES GOVERNMENT.
- INDICATES STATION.
- INDICATES GENERAL LAND OFFICE.
- INDICATES STATE ROUTE.
- INDICATES POINT OF CURVATURE.
- INDICATES POINT OF COMPOUND CURVE.
- INDICATES POINT OF TANGENT.
- INDICATES CARDINAL EQUIVALENT.

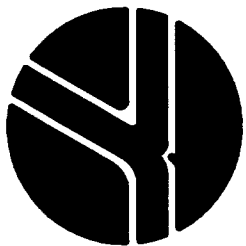
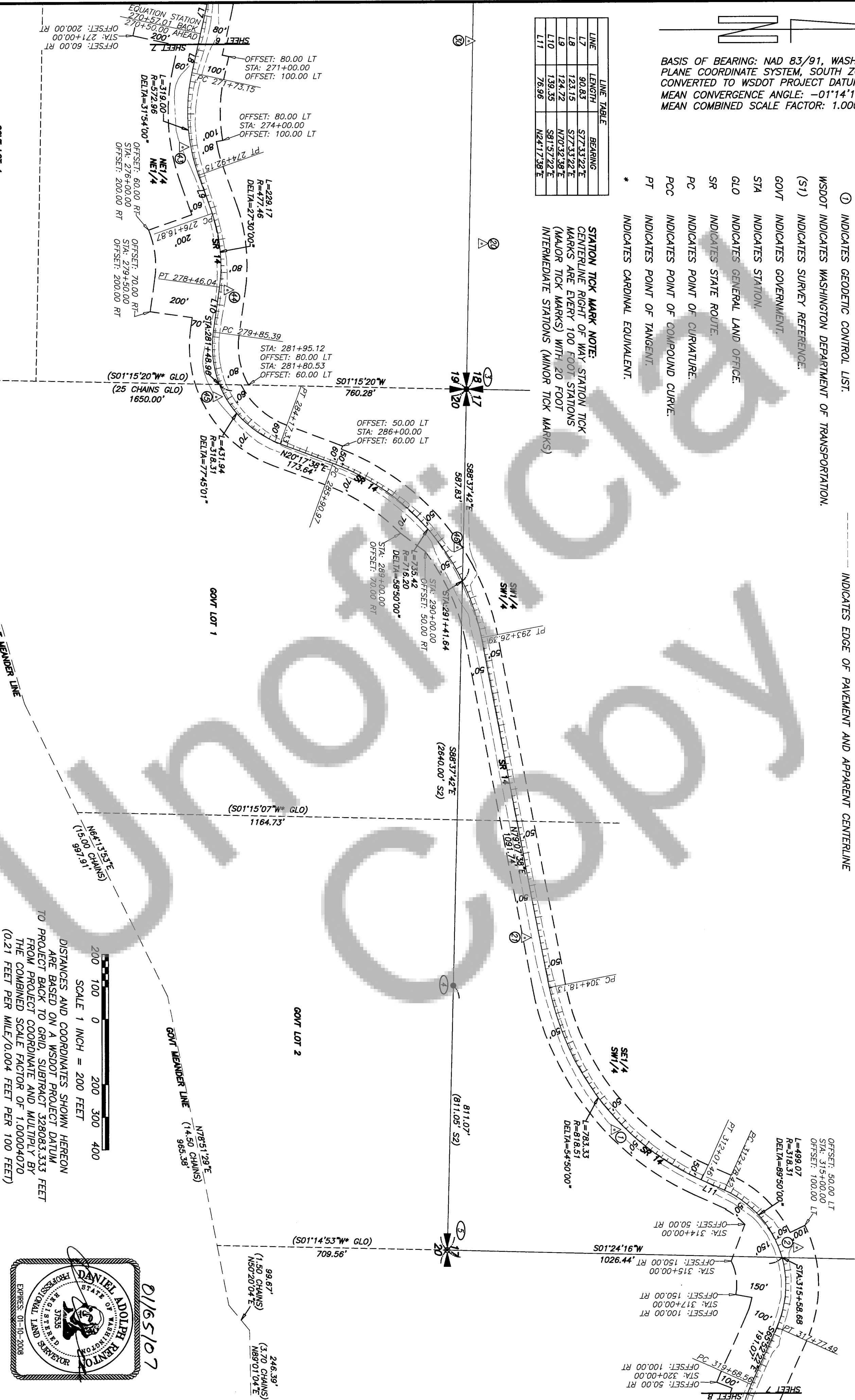
LEGEND:

- RT INDICATES RIGHT OF STATION.
- LT INDICATES LEFT OF STATION.
- INDICATES COMPUTED CENTERLINE.
- INDICATES COMPUTED RIGHT OF WAY.
- INDICATES EDGE OF PAVEMENT AND APPARENT CENTERLINE

BASIS OF BEARING: NAD 83/91, WASHINGTON STATE
PLANE COORDINATE SYSTEM, SOUTH ZONE, US FEET
CONVERTED TO WSDOT PROJECT DATUM
MEAN CONVERGENCE ANGLE: -01°14'13"
MEAN COMBINED SCALE FACTOR: 1.00004070

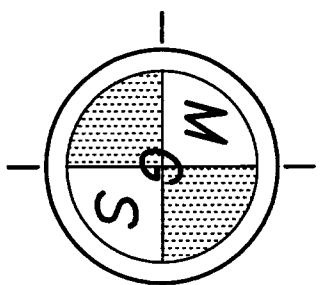
LINE	LENGTH	BEARING
L7	90.83	S77°33'22"E
L8	123.15	S77°33'22"E
L9	124.72	N70°32'38"E
L10	139.35	S81°57'22"E
L11	76.96	N24°17'38"E

STATION TICK MARK NOTE:
CENTERLINE RIGHT OF WAY STATION TICK
MARKS ARE EVERY 100 FOOT STATIONS
(MAJOR TICK MARKS) WITH 20 FOOT
INTERMEDIATE STATIONS (MINOR TICK MARKS)

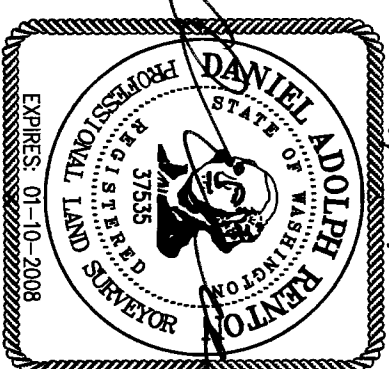


WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
11018 NE 51st CIRCLE
VANCOUVER, WA 98682
1-360-905-2000
FAX 1-360-905-2222

SCALE: 1"=200'
JOB NO. 04-287
DATE: 12-31-06
CALC BY: DAR
DRAWN BY: DAR
CHECKED BY: JLS
SHEET 7 OF 13



MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313

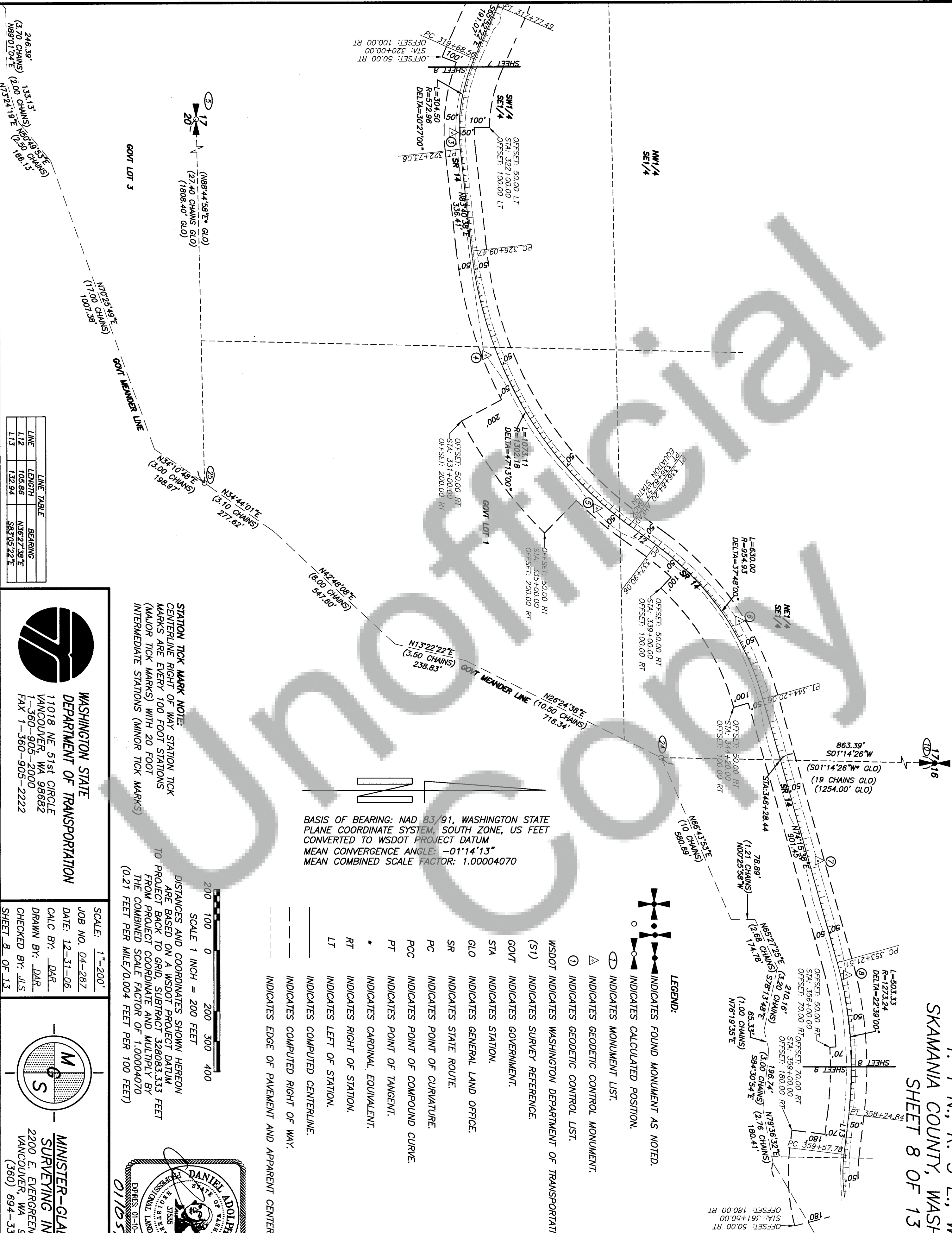


2007164440

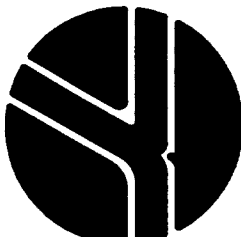
SURVEY

IN A PORTION OF SECTIONS
9, 10, 11, 16, 17, 19 & 20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY, WASHINGTON
SHEET 8 OF 13

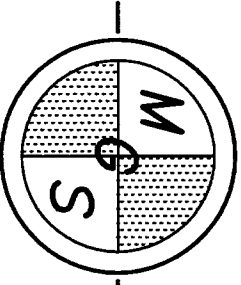
DWG FILE: 04287_WSDOT_PROJECT .DWG



LINE	LENGTH	BEARING
L12	105.86	N36°27'38\"E
L13	132.94	S83°05'22\"E



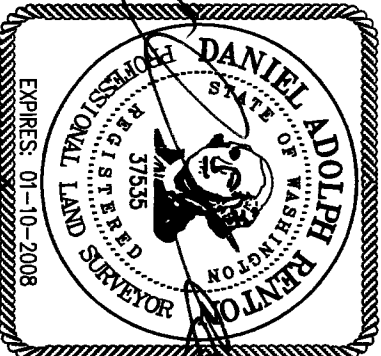
WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
11018 NE 51st CIRCLE
VANCOUVER, WA 98682
1-360-905-2000
FAX 1-360-905-2222



MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313

STATION TICK MARK NOTE:
CENTERLINE RIGHT OF WAY STATION TICK
MARKS ARE EVERY 100 FOOT STATIONS
(MAJOR TICK MARKS) WITH 20 FOOT
INTERMEDIATE STATIONS (MINOR TICK MARKS)

DISTANCES AND COORDINATES SHOWN HEREON
ARE BASED ON A WSDOT PROJECT DATUM
TO PROJECT BACK TO GRID. SUBTRACT 328083.333 FEET
FROM PROJECT COORDINATE AND MULTIPLY BY
THE COMBINED SCALE FACTOR OF 1.00004070
(0.21 FEET PER MILE/0.004 FEET PER 100 FEET)



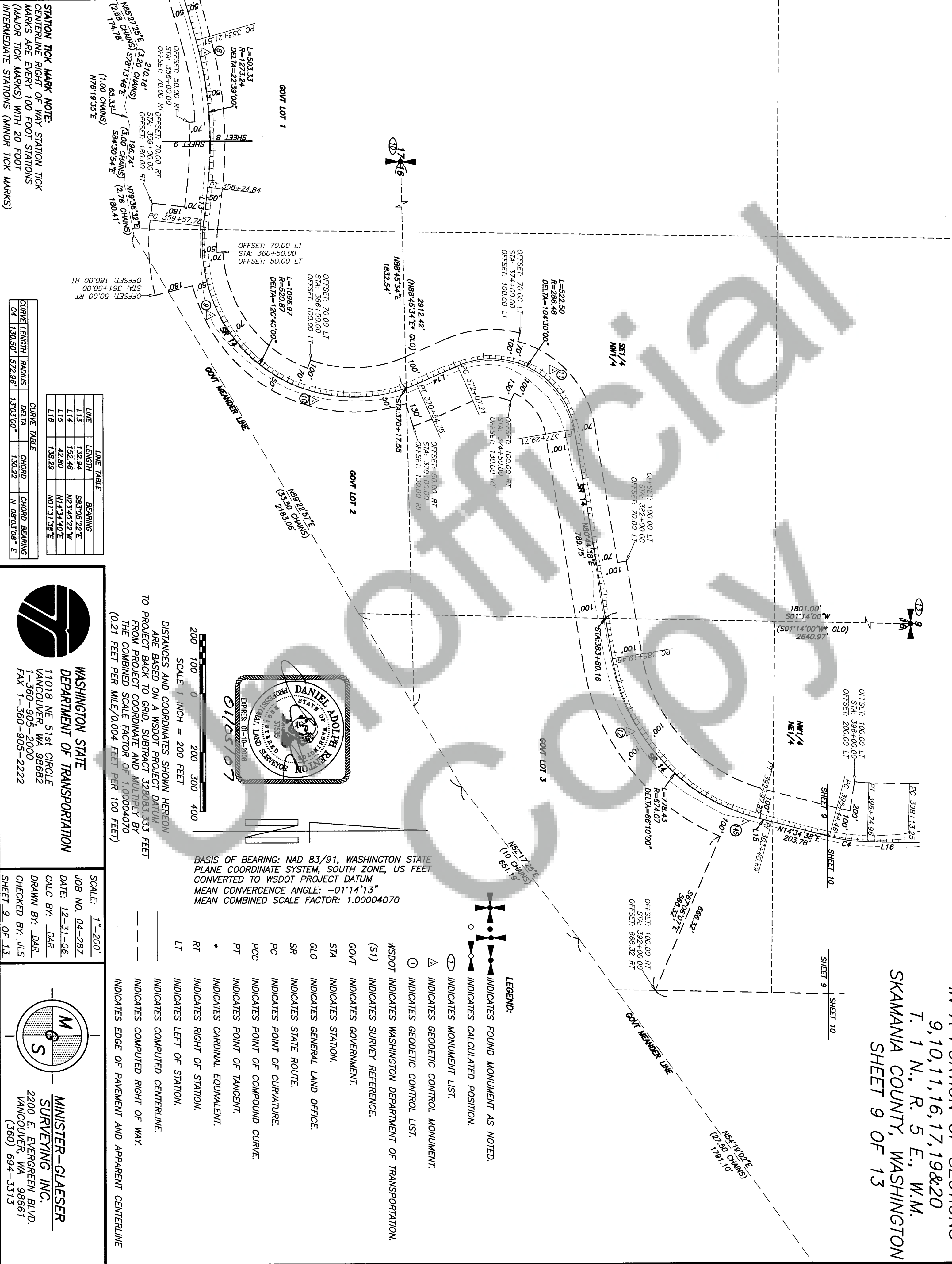
BASIS OF BEARING: NAD 83/91, WASHINGTON STATE
PLANE COORDINATE SYSTEM, SOUTH ZONE, US FEET
CONVERTED TO WSDOT PROJECT DATUM
MEAN CONVERGENCE ANGLE: -01°14'13"
MEAN COMBINED SCALE FACTOR: 1.00004070

- WSDOT INDICATES WASHINGTON DEPARTMENT OF TRANSPORTATION.
(S1) INDICATES SURVEY REFERENCE.
GOVT INDICATES GOVERNMENT.
STA INDICATES STATION.
GLO INDICATES GENERAL LAND OFFICE.
SR INDICATES STATE ROUTE.
PC INDICATES POINT OF CURVATURE.
PCC INDICATES POINT OF COMPOUND CURVE.
PT INDICATES POINT OF TANGENT.
* INDICATES CARDINAL EQUIVALENT.
RT INDICATES RIGHT OF STATION.
LT INDICATES LEFT OF STATION.
--- INDICATES COMPUTED CENTERLINE.
--- INDICATES COMPUTED RIGHT OF WAY.
--- INDICATES EDGE OF PAVEMENT AND APPARENT CENTERLINE

SURVEY

IN A PORTION OF SECTIONS
9,10,11,16,17,19&20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY, WASHINGTON
SHEET 9 OF 13

DWG FILE: 04287_WSDOT_PROJECT .DWG



SURVEY

IN A PORTION OF SECTIONS
9, 10, 11, 16, 17, 19 & 20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY, WASHINGTON
SHEET 10 OF 13

LEGEND:

- INDICATES FOUND MONUMENT AS NOTED.
- INDICATES CALCULATED POSITION.
- INDICATES MONUMENT LIST.
- INDICATES GEODETIC CONTROL MONUMENT.
- INDICATES GEODETIC CONTROL LIST.
- INDICATES SURVEY REFERENCE.
- INDICATES WASHINGTON DEPARTMENT OF TRANSPORTATION.
- INDICATES GOVERNMENT.
- INDICATES STATION.
- INDICATES GENERAL LAND OFFICE.
- INDICATES STATE ROUTE.
- INDICATES POINT OF CURVATURE.
- INDICATES POINT OF COMPOUND CURVE.
- INDICATES POINT OF TANGENT.
- INDICATES CARDINAL EQUIVALENT.
- INDICATES RIGHT OF STATION.
- INDICATES LEFT OF STATION.
- INDICATES COMPUTED CENTERLINE.
- INDICATES COMPUTED RIGHT OF WAY.
- INDICATES EDGE OF PAVEMENT AND APPARENT CENTERLINE

BASIS OF BEARING: NAD 83/91, WASHINGTON STATE
PLANE COORDINATE SYSTEM, SOUTH ZONE, US FEET
CONVERTED TO WSDOT PROJECT DATUM
MEAN CONVERGENCE ANGLE: -01°14'13"
MEAN COMBINED SCALE FACTOR: 1.00004070

CURVE TABLE			
CURVE LENGTH	RADIUS	DELTA	CHORD BEARING
C4 130.50'	572.96'	13.03100°	N 08.03108° E
C5 146.67'	1286.47'	2.56100°	N 00.03138° E
C6 88.08'	1286.48'	17.37100°	S 07.24109° W

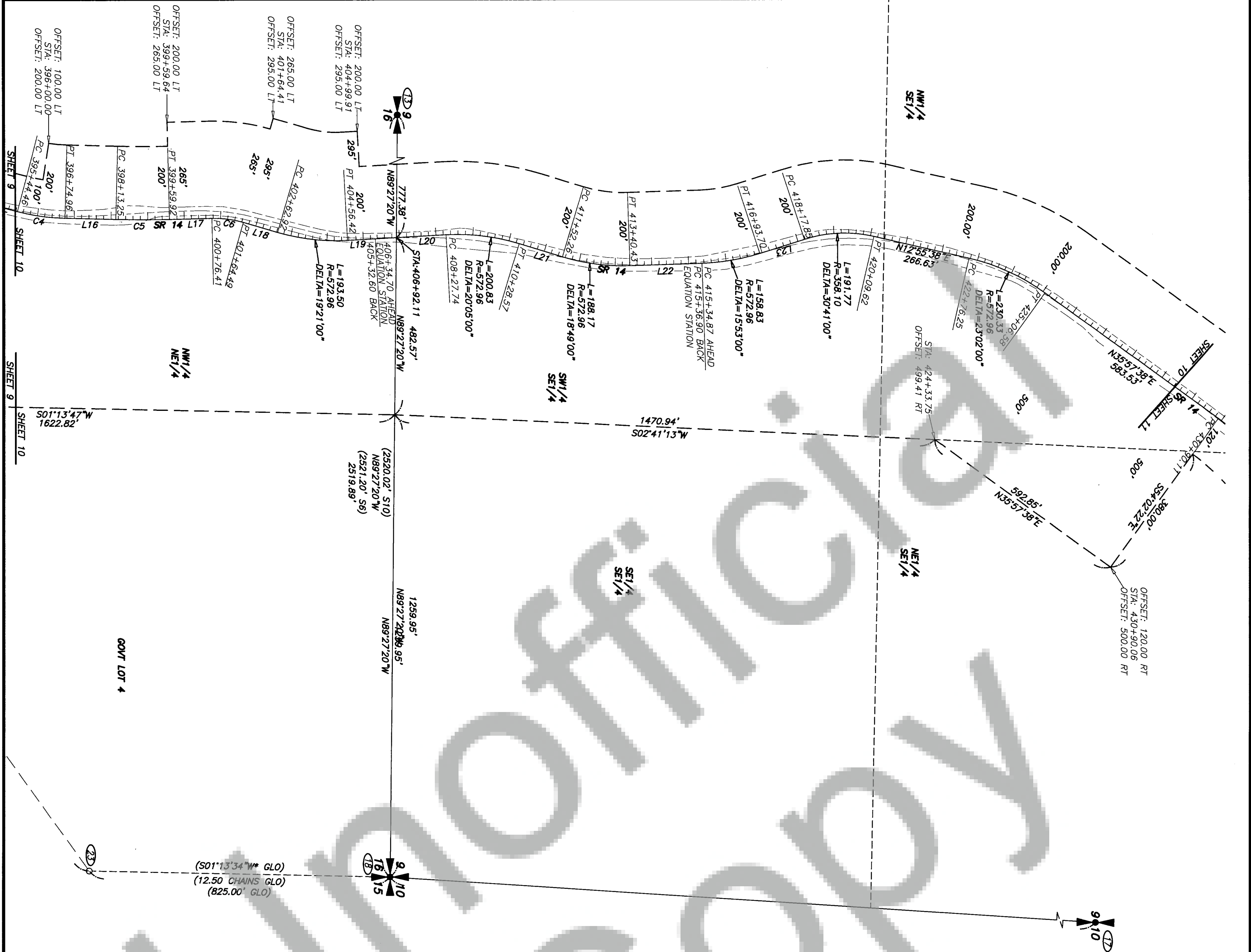
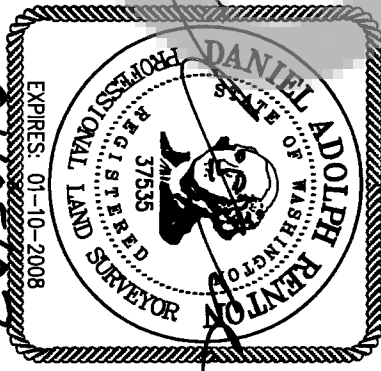
LINE TABLE		
LINE	LENGTH	BEARING
L16	138.29	N07°31'38"E
L17	116.49	N07°24'22"W
L18	98.43	N16°12'37"E
L19	76.18	N03°08'21"W
L20	193.04	N03°08'22"W
L21	123.69	N16°56'38"E
L22	196.47	N01°52'22"W
L23	124.15	N17°45'23"W

STATION TICK MARK NOTE:
CENTERLINE RIGHT OF WAY STATION TICK
MARKS ARE EVERY 100 FOOT STATIONS
(MAJOR TICK MARKS) WITH 20 FOOT
INTERMEDIATE STATIONS (MINOR TICK MARKS)

DISTANCES AND COORDINATES SHOWN HEREON
ARE BASED ON A WSDOT PROJECT DATUM
TO PROJECT BACK TO GRID. SUBTRACT 328083.333 FEET
FROM PROJECT COORDINATE AND MULTIPLY BY
THE COMBINED SCALE FACTOR OF 1.00004070
(0.21 FEET PER MILE/0.004 FEET PER 100 FEET)

WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
11018 NE 51st CIRCLE
VANCOUVER, WA 98662
1-360-905-2000
FAX 1-360-905-2222

MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313



SCALE: 1"=200'
JOB NO. 04-287
DATE: 12-31-06
CALC BY: DAR
DRAWN BY: DAR
CHECKED BY: JLS
SHEET 11 OF 13

A diagram of a circular magnet with two poles labeled 'M' (North) and 'S' (South). A central coil is shown with a current entering from the top and exiting from the bottom, indicated by a '+' sign at the top and a '-' sign at the bottom.

MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313

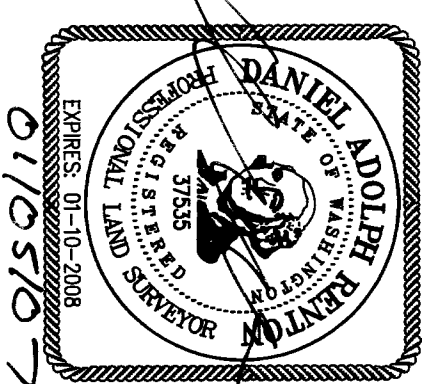
2607164440

SURVEY
IN A PORTION OF
SECTIONS 9, 10, 11, 16, 17, 19 & 20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY,
WASHINGTON
SHEET 11 OF 13

LEGEND:

- | | |
|---|---|
|  | INDICATES FOUND MONUMENT AS NOTED. |
|  | INDICATES CALCULATED POSITION. |
|  | INDICATES MONUMENT LIST. |
|  | INDICATES GEODETIC CONTROL MONUMENT. |
| ① | INDICATES GEODETIC CONTROL LIST. |
| WSDOT | INDICATES WASHINGTON DEPARTMENT OF TRANSPORTATION. |
| (S1) | INDICATES SURVEY REFERENCE. |
| GOVT | INDICATES GOVERNMENT. |
| STA | INDICATES STATION. |
| GLO | INDICATES GENERAL LAND OFFICE. |
| SR | INDICATES STATE ROUTE. |
| PC | INDICATES POINT OF CURVATURE. |
| PCC | INDICATES POINT OF COMPOUND CURVE. |
| PT | INDICATES POINT OF TANGENT. |
| * | INDICATES CARDINAL EQUIVALENT. |
| RT | INDICATES RIGHT OF STATION. |
| LT | INDICATES LEFT OF STATION. |
| --- | INDICATES COMPUTED CENTERLINE. |
| --- | INDICATES COMPUTED RIGHT OF WAY. |
| --- | INDICATES EDGE OF PAVEMENT AND APPARENT CENTERLINE. |

LINE TABLE	
LINE	BEARING
L24	S85°47'22"E
L25	N52°50'36"E



EXPIRES: 01-10-2008
01/05/07



DISTANCES AND COORDINATES SHOWN HEREON
ARE BASED ON A WSDOT PROJECT DATUM
TO PROJECT BACK TO GRID, SUBTRACT 328083.333 FEET
FROM PROJECT COORDINATE AND MULTIPLY BY
THE COMBINED SCALE FACTOR OF 1.00004070
(0.21 FEET PER MILE/0.004 FEET PER 100 FEET)

BASIS OF BEARING: NAD 83/91, WASHINGTON STATE
PLANE COORDINATE SYSTEM, SOUTH ZONE, US FEET
CONVERTED TO WSDOT PROJECT DATUM
MEAN CONVERGENCE ANGLE: -01°14'13"
MEAN COMBINED SCALE FACTOR: 1.00004070

2007164440

SURVEY

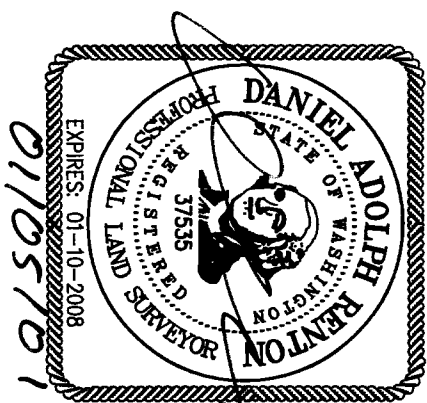
IN A PORTION OF
SECTIONS 9,10,11,16,17,19&20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY,
WASHINGTON
SHEET 12 OF 13

LEGEND:

- INDICATES FOUND MONUMENT AS NOTED.
- INDICATES CALCULATED POSITION.
- INDICATES MONUMENT LIST.
- INDICATES GEODETIC CONTROL MONUMENT.
- INDICATES GEODETIC CONTROL LIST.
- WSDOT INDICATES WASHINGTON DEPARTMENT OF TRANSPORTATION.
- (S1) INDICATES SURVEY REFERENCE.
- GOVT INDICATES GOVERNMENT.
- STA INDICATES STATION.
- GLO INDICATES GENERAL LAND OFFICE.
- SR INDICATES STATE ROUTE.
- PC INDICATES POINT OF CURVATURE.
- PCC INDICATES POINT OF COMPOUND CURVE.
- PT INDICATES POINT OF TANGENT.
- * INDICATES CARDINAL EQUIVALENT.
- RT INDICATES RIGHT OF STATION.
- LT INDICATES LEFT OF STATION.
- INDICATES COMPUTED CENTERLINE.
- INDICATES COMPUTED RIGHT OF WAY.
- INDICATES EDGE OF PAVEMENT AND APPARENT CENTERLINE

BASIS OF BEARING: NAD 83/91, WASHINGTON STATE
PLANE COORDINATE SYSTEM, SOUTH ZONE, US FEET
CONVERTED TO WSDOT PROJECT DATUM
MEAN CONVERGENCE ANGLE: -01°14'13"
MEAN COMBINED SCALE FACTOR: 1.00004070

DISTANCES AND COORDINATES SHOWN HEREON
ARE BASED ON A WSDOT PROJECT DATUM
TO PROJECT BACK TO GRID, SUBTRACT 328083.333 FEET
FROM PROJECT COORDINATE AND MULTIPLY BY
THE COMBINED SCALE FACTOR OF 1.00004070
(0.21 FEET PER MILE/0.004 FEET PER 100 FEET)



200 100 0 200 300 400
SCALE 1 INCH = 200 FEET

SCALE 1 INCH = 200 FEET

DISTANCES AND COORDINATES SHOWN HEREON

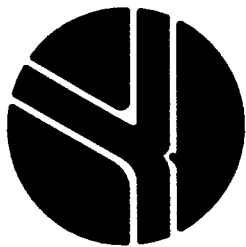
ARE BASED ON A WSDOT PROJECT DATUM

TO PROJECT BACK TO GRID, SUBTRACT 328083.333 FEET

FROM PROJECT COORDINATE AND MULTIPLY BY

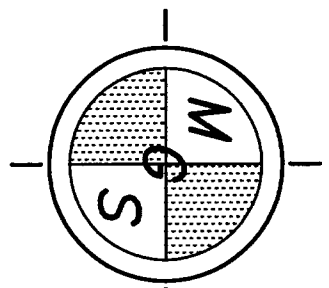
THE COMBINED SCALE FACTOR OF 1.00004070

(0.21 FEET PER MILE/0.004 FEET PER 100 FEET)



WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
11018 NE 51st CIRCL
VANCOUVER, WA 98682
1-360-905-2000
FAX 1-360-905-2222

SCALE: 1"=200'
JOB NO. 04-287
DATE: 12-31-06
CALC BY: DAR
DRAWN BY: DAR
CHECKED BY: JLS
SHEET 12 OF 13



MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313

STATION TICK MARK NOTE:
CENTERLINE RIGHT OF WAY STATION TICK
MARKS ARE EVERY 100 FOOT STATIONS
(MAJOR TICK MARKS) WITH 20 FOOT
INTERMEDIATE STATIONS (MINOR TICK MARKS)

2607164440

SURVEY

IN A PORTION OF
SECTIONS 9,10,11,16,17,19&20
T. 1 N., R. 5 E., W.M.
SKAMANIA COUNTY,
WASHINGTON
SHEET 13 OF 13

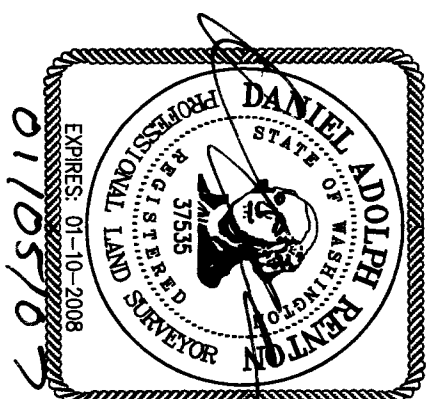
LEGEND:

- INDICATES FOUND MONUMENT AS NOTED.
- INDICATES CALCULATED POSITION.
- INDICATES MONUMENT LIST.
- INDICATES GEODETIC CONTROL MONUMENT.
- INDICATES GEODETIC CONTROL LIST.

- WSDOT INDICATES WASHINGTON DEPARTMENT OF TRANSPORTATION.
- (S1) INDICATES SURVEY REFERENCE.
- GOVT INDICATES GOVERNMENT.
- STA INDICATES STATION.
- GLO INDICATES GENERAL LAND OFFICE.
- SR INDICATES STATE ROUTE.
- PC INDICATES POINT OF CURVATURE.
- PCC INDICATES POINT OF COMPOUND CURVE.
- PT INDICATES POINT OF TANGENT.
- * INDICATES CARDINAL EQUIVALENT.
- RT INDICATES RIGHT OF STATION.
- LT INDICATES LEFT OF STATION.
- INDICATES COMPUTED CENTERLINE.
- INDICATES COMPUTED RIGHT OF WAY.
- INDICATES EDGE OF PAVEMENT AND APPARENT CENTERLINE

BASIS OF BEARING: NAD 83/91, WASHINGTON STATE
PLANE COORDINATE SYSTEM, SOUTH ZONE, US FEET
CONVERTED TO WSDOT PROJECT DATUM
MEAN CONVERGENCE ANGLE: $-01^{\circ}14'13''$
MEAN COMBINED SCALE FACTOR: 1.00004070

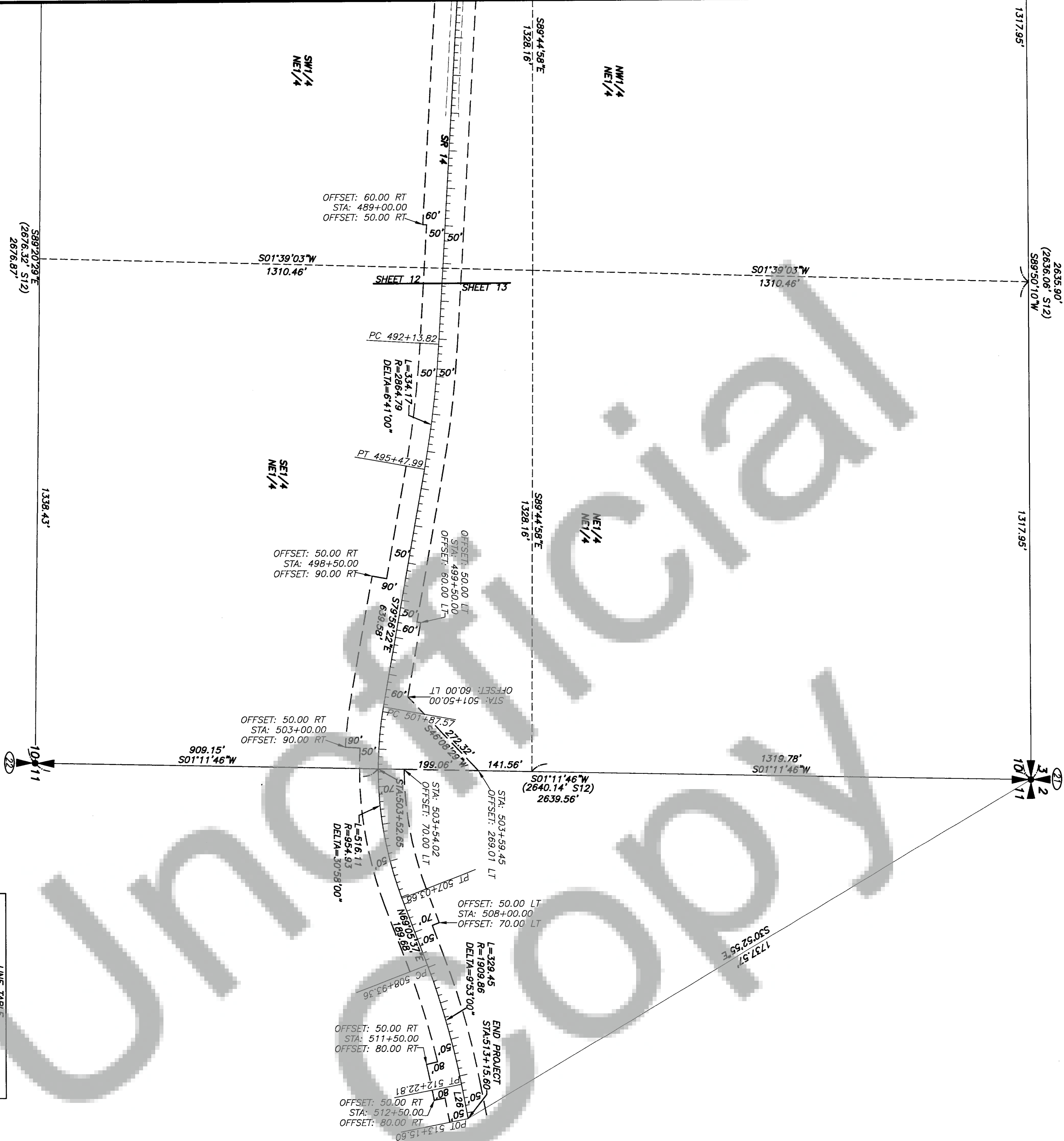
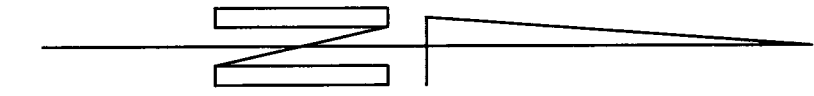
DISTANCES AND COORDINATES SHOWN HEREON
ARE BASED ON A WSDOT PROJECT DATUM
TO PROJECT BACK TO GRID, SUBTRACT 328083.333 FEET
FROM PROJECT COORDINATE AND MULTIPLY BY
THE COMBINED SCALE FACTOR OF 1.00004070
(0.21 FEET PER MILE/0.004 FEET PER 100 FEET)



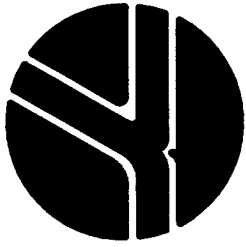
200 100 0 200 300 400
SCALE 1 INCH = 200 FEET

DISTANCES AND COORDINATES SHOWN HEREON
ARE BASED ON A WSDOT PROJECT DATUM
TO PROJECT BACK TO GRID, SUBTRACT 328083.333 FEET
FROM PROJECT COORDINATE AND MULTIPLY BY
THE COMBINED SCALE FACTOR OF 1.00004070
(0.21 FEET PER MILE/0.004 FEET PER 100 FEET)

LINE	LENGTH	BEARING
L26	92.79	N78°58'38"E

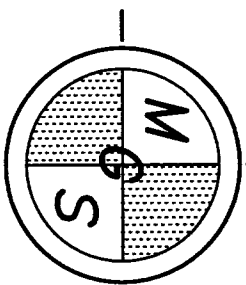


STATION TICK MARK NOTE:
CENTERLINE RIGHT OF WAY STATION TICK
MARKS ARE EVERY 100 FOOT STATIONS
(MAJOR TICK MARKS) WITH 20 FOOT
INTERMEDIATE STATIONS (MINOR TICK MARKS)



WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
11018 NE 51st CIRCLE
VANCOUVER, WA 98682
1-360-905-2000
FAX 1-360-905-2222

SCALE: 1"=200'
JOB NO. 04-287
DATE: 12-31-06
CALC BY: DAR
DRAWN BY: DAR
CHECKED BY: JLS
SHEET 13 OF 13



MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313