

PRELIMINARY PLAT FOR
Tiburon Heights

SECTION 22
TOWNSHIP 11 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JUNE, 2013

New Easements:

- NEW 10' PUBLIC UTILITY EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
- NEW 1' WIDE SIDEWALK EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
- NEW 15' PUBLIC WATERLINE EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
- NEW 20' PUBLIC STORM DRAIN EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
- EXISTING 20' PUBLIC STORM DRAIN EASEMENT (01-07-2013, DOC #2013001868).
- EXISTING 15' PUBLIC WATERLINE EASEMENT (12-18-2012, DOC #2012133305).
- EXISTING 7' ELECTRIC POWER AND TELEPHONE LINE EASEMENT (01/19/1971, D4-106)
- EXISTING PUBLIC STORM DRAIN EASEMENT (08-27-2013, 2013C-0103M).
- EXISTING 10' PUBLIC STORM DRAIN EASEMENT (01-07-2013, DOC #2013001870).
- NEW 10' PRIVATE DRAINAGE EASEMENT GRANTED TO LOTS 12-16, VOLCANO CLIFFS SUBDIVISION. NEW STORM DRAIN INLET AND PIPE ON LOT 12 TO BE MAINTAINED BY THE OWNER OF LOT 12.

LEGAL DESCRIPTION

A TRACT OF LAND LYING AND SITUATE WITHIN SECTION 22, TOWNSHIP 11 NORTH, RANGE 2 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, COMPRISING OF LOT 31-A, BLOCK 9, UNIT NO. 18 VOLCANO CLIFFS SUBDIVISION AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT THEREOF FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON _____, 1, RECORDED IN PLAT BOOK _____ PAGE _____ AND CONTAINING 7.9143 ACRES (344,746 SQUARE FEET) MORE OR LESS.

SUBDIVISION DATA

GROSS ACREAGE 7.9143 AC
ZONE ATLAS NO. D-10-Z
NO. OF LOTS CREATED 39 LOTS
DATE OF SURVEY MARCH, 2012

PURPOSE OF PLAT

- SUBDIVIDE LOT 31-A, BLOCK 9, UNIT NO. 18 VOLCANO CLIFFS SUBDIVISION INTO 39 RESIDENTIAL LOTS.
- DEDICATE RIGHT-OF-WAY AS SHOWN.
- GRANT NEW EASEMENTS AS SHOWN.

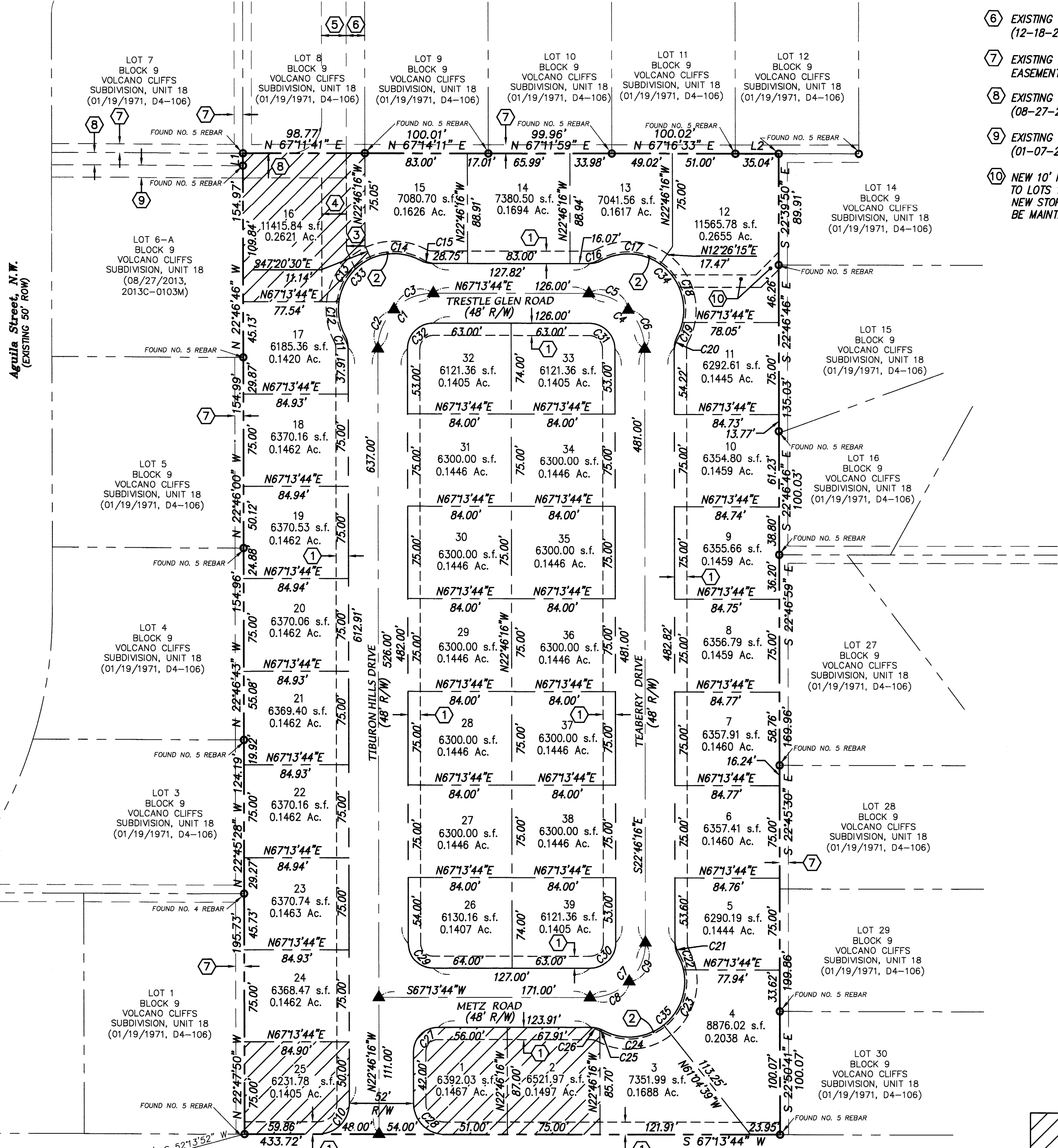
NOTES

- UNLESS OTHERWISE NOTED, ALL BOUNDARY CORNERS SHOWN THUS ○ SHALL BE A SET #4 REBAR WITH YELLOW PLASTIC CAP "N.M.P.S. 11993"
- ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS, AND STREET INTERSECTIONS AND SHOWN THUS, ▲ WILL BE MARKED BY A FOUR INCH (4") ALUMINUM CAP STAMPED:

"CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION"
"DO NOT DISTURB"
N.M.P.S.#11993
- FIELD SURVEY PERFORMED ON MARCH, 2012.
- ALL BEARINGS ARE GRID BEARINGS. NM STATE PLANE: CENTRAL ZONE-NAD 1983.
- BOUNDARY SHALL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
- THIS PROPERTY LIES WITHIN THE SECTION 22, TOWNSHIP 11 NORTH, RANGE 2 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.
- ALL DISTANCES ARE GROUND DISTANCES. U.S. SURVEY
- MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.
- PLAT SHOWS ALL EASEMENTS OF RECORD.
- EASEMENT BEARINGS AND DISTANCES SHOWN HEREON ARE RECORD AND EASEMENTS HAVE BEEN ROTATED TO MATCH BASIS OF BEARINGS AND BOUNDARY UNLESS OTHERWISE INDICATED.
- UPC #101006327926810122

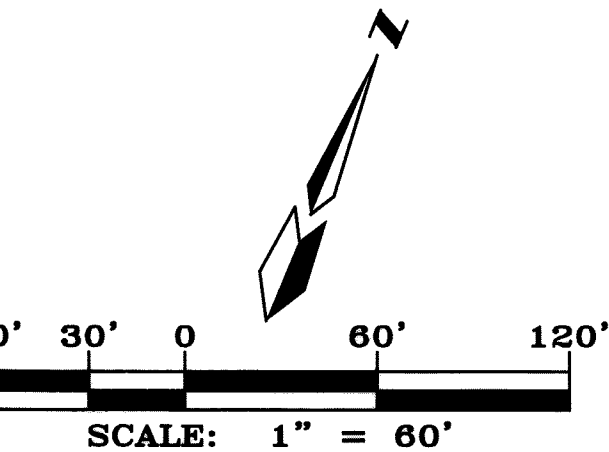
Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	70.69	45.00	90°00'00"	S22°13'44"W	63.64
C2	35.34	45.00	45°00'00"	S07°16'16"E	34.44
C3	36.13	45.00	46°00'08"	S44°13'40"W	35.17
C4	70.69	45.00	90°00'00"	N67°46'16"W	63.64
C5	35.34	45.00	45°00'00"	S89°43'44"W	34.44
C6	35.34	45.00	45°00'00"	N45°16'16"W	34.44
C7	70.69	45.00	90°00'00"	N22°13'44"E	63.64
C8	35.34	45.00	45°00'00"	N44°43'44"E	34.44
C9	35.34	45.00	45°00'00"	N0°16'16"W	34.44
C10	39.27	25.00	90°00'00"	N22°13'44"E	35.36
C11	9.91	20.00	28°23'40"	N36°58'06"W	9.81
C12	28.50	45.00	36°17'17"	S33°01'17"E	28.03
C13	45.19	45.00	57°32'08"	S13°53'26"W	43.31
C14	41.60	45.00	52°57'54"	S89°08'27"W	40.13
C15	9.91	20.00	28°23'40"	N81°25'34"E	9.81
C16	9.91	20.00	28°23'40"	N53°01'54"E	9.81
C17	49.95	45.00	63°36'11"	S70°38'10"W	47.43
C18	53.25	45.00	67°48'13"	N43°39'38"W	50.20
C19	12.08	45.00	15°22'56"	N2°04'04"W	12.04
C20	9.91	20.00	28°23'40"	S8°34'26"E	9.81
C21	9.91	20.00	28°23'40"	S36°58'06"E	9.81
C22	12.72	45.00	16°11'50"	N43°04'01"W	12.68
C23	50.18	45.00	63°53'26"	N3°01'22"W	47.62
C24	52.39	45.00	66°42'03"	N62°16'22"E	49.48
C25	2.66	20.00	7°37'52"	N88°11'32"W	2.66
C26	7.25	20.00	20°45'48"	S77°36'38"W	7.21
C27	31.42	20.00	90°00'00"	S22°13'44"W	28.28
C28	39.27	25.00	90°00'00"	S67°46'16"E	35.36
C29	31.42	20.00	90°00'00"	S67°46'16"E	28.28
C30	32.99	21.00	90°00'00"	N22°13'44"E	29.70
C31	32.99	21.00	90°00'00"	N67°46'16"W	29.70
C32	32.99	21.00	90°00'00"	S22°13'44"W	29.70
C33	115.29	45.00	146°47'19"	S22°13'44"W	86.25
C34	115.29	45.00	146°47'19"	N67°46'16"W	86.25
C35	115.29	45.00	146°47'19"	N22°13'44"E	86.25

Line Table		
Line #	Chord Direction	Length
L-1	N22°38'53"W	10.02'
L-2	N67°14'53"E	35.04'



A.G.R.S. MONUMENT "S_21_22_28_27_11N_2E"
STANDARD A.G.R.S. BRASS TABLET
(FOUND IN PLACE)
NEW MEXICO STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1983)
N=1,513,840.436 E=1,497,658.102
PUBLISHED EL=5330.151 (NAVD 1988)
GROUND TO GRID FACTOR=0.999871770
DELTA ALPHA ANGLE=-0°16'30.19"

A.G.R.S. MONUMENT "3_E10"
STANDARD A.G.R.S. BRASS TABLET
(FOUND IN PLACE)
NEW MEXICO STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1983)
N=1,512,627.946 E=1,499,059.808
PUBLISHED EL=5318.888 (NAVD 1988)
GROUND TO GRID FACTOR=0.999672416
DELTA ALPHA ANGLE=-0°16'20.35"



SITE BENCHMARK
A.G.R.S. MONUMENT
"S_21_22_28_27_11N_2E"
ELEVATION=5330.151
(NAVD 1988)

SURVEYOR

PRECISION SURVEYS, INC.
P.O. BOX 90636
ALBUQUERQUE, N.M. 87199
(505) 856-5700

OWNERS

RTR, LLC
PO BOX 27560
ALBUQUERQUE, N.M. 87125
(505) 248-1688

ENGINEERS

D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

RTR, LLC, OWNER OF LOT 31

RHETT WATERMAN

CITY SURVEYOR, CITY OF ALBUQUERQUE, N.M.

DATE

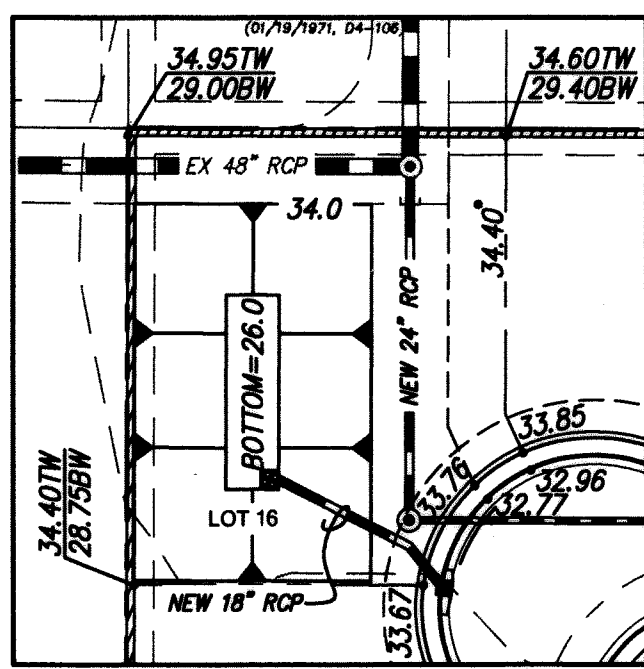
DATE

CITY PROJECT No. 790681

SHEET
2 OF 10

LEGEND

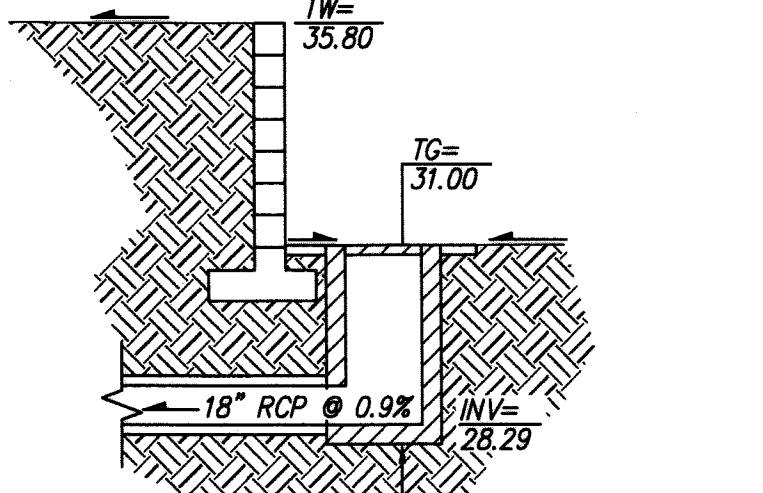
- 5.330 — EXISTING CONTOUR - MAJOR
- 5.332 — EXISTING CONTOUR - MINOR
- x5328.17 EXISTING SPOT ELEVATION
- EXISTING STORM DRAIN
- EXISTING STORM DRAIN MAN HOLE
- EXISTING ADJOINER LINE
- NEW BOUNDARY LINE
- NEW LOT LINES
- NEW SIDEWALK
- NEW STANDARD CURB & GUTTER
- NEW MOUNTABLE CURB & GUTTER
- NEW RETAINING WALL - TO BE CONSTRUCTED AT THE TIME OF ROUGH GRADING
- NEW 1:1 SLOPE
- FLOW DIRECTION ARROW
- NEW STORM DRAIN
- NEW STORM DRAIN INLET
- NEW SIDEWALK CULVERT
- FINISHED GRADE ELEVATIONS AT TOP AND BOTTOM OF RETAINING WALLS.
- FINISHED PAD ELEVATION
- EXISTING S&D 228 ELEVATIONS
- PROPOSED DRAINAGE BASIN BOUNDARY



DETAIL "A"

SCALE: 1"=50'

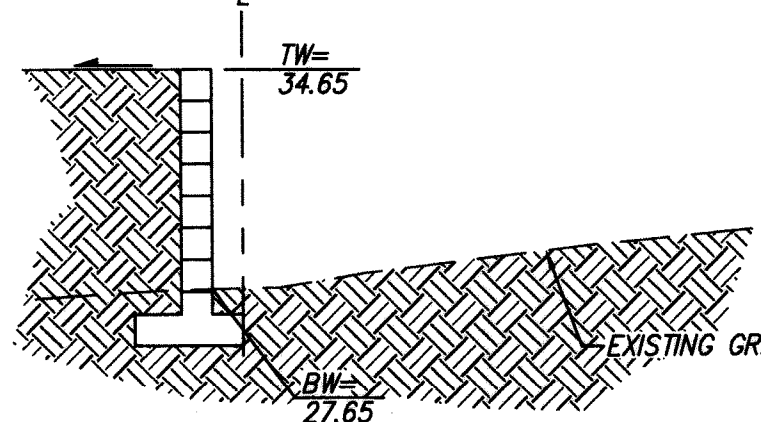
INTERIM PLAN FOR TEMPORARY PONDING ON LOT 16



SECTION C

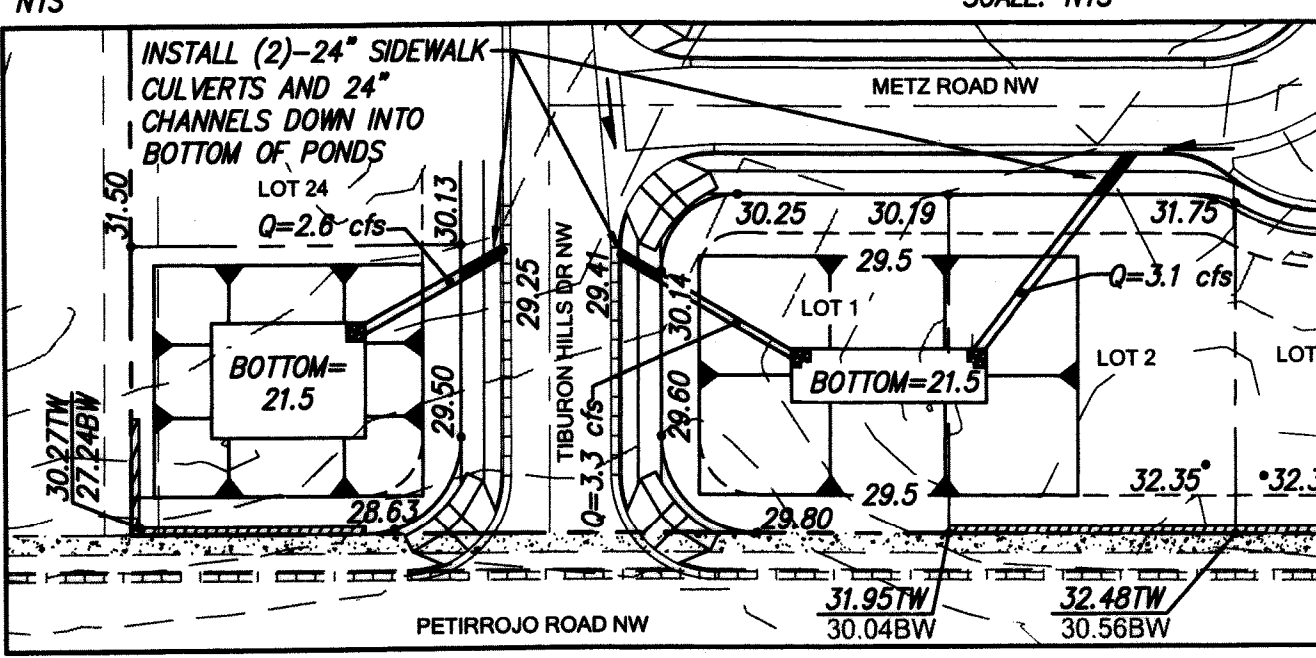
SCALE: NTS

FOR ACCESS TO INLET MAINTENANCE INSTALL CONCRETE STAIRWAY. MAX. RISER HEIGHT IS 8" PER STEP W/MIN. TREAD LENGTH OF 10".



SECTION B

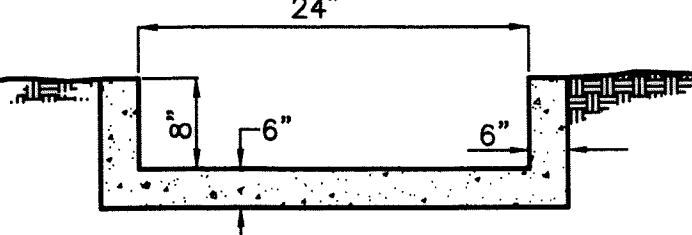
SCALE: NTS



DETAIL "B"

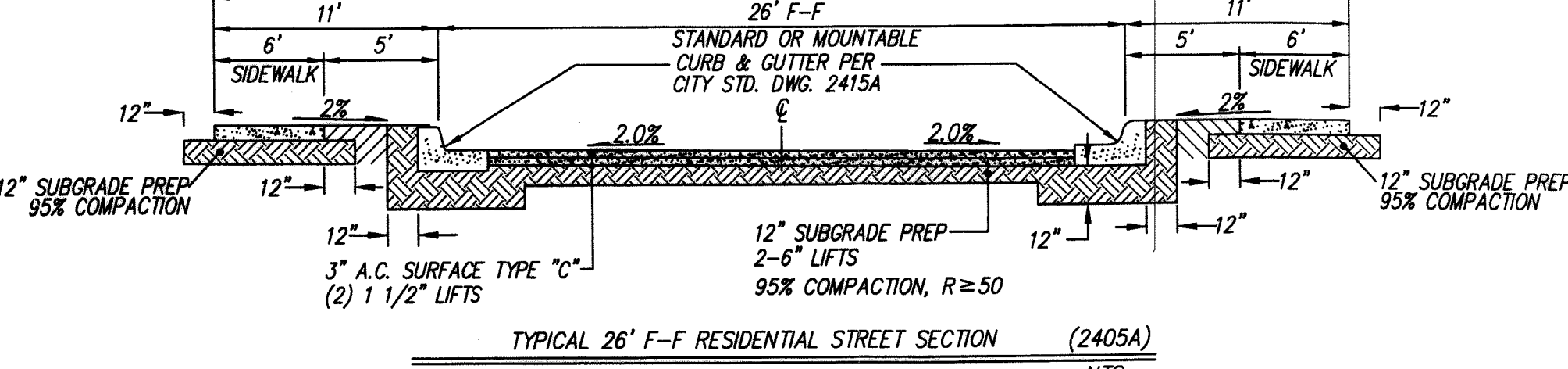
SCALE: 1"=50'

INTERIM PLAN FOR TEMPORARY PONDING ON LOTS 1, 2 AND 25



TYPICAL CHANNEL DETAIL

SCALE: 1"=1'



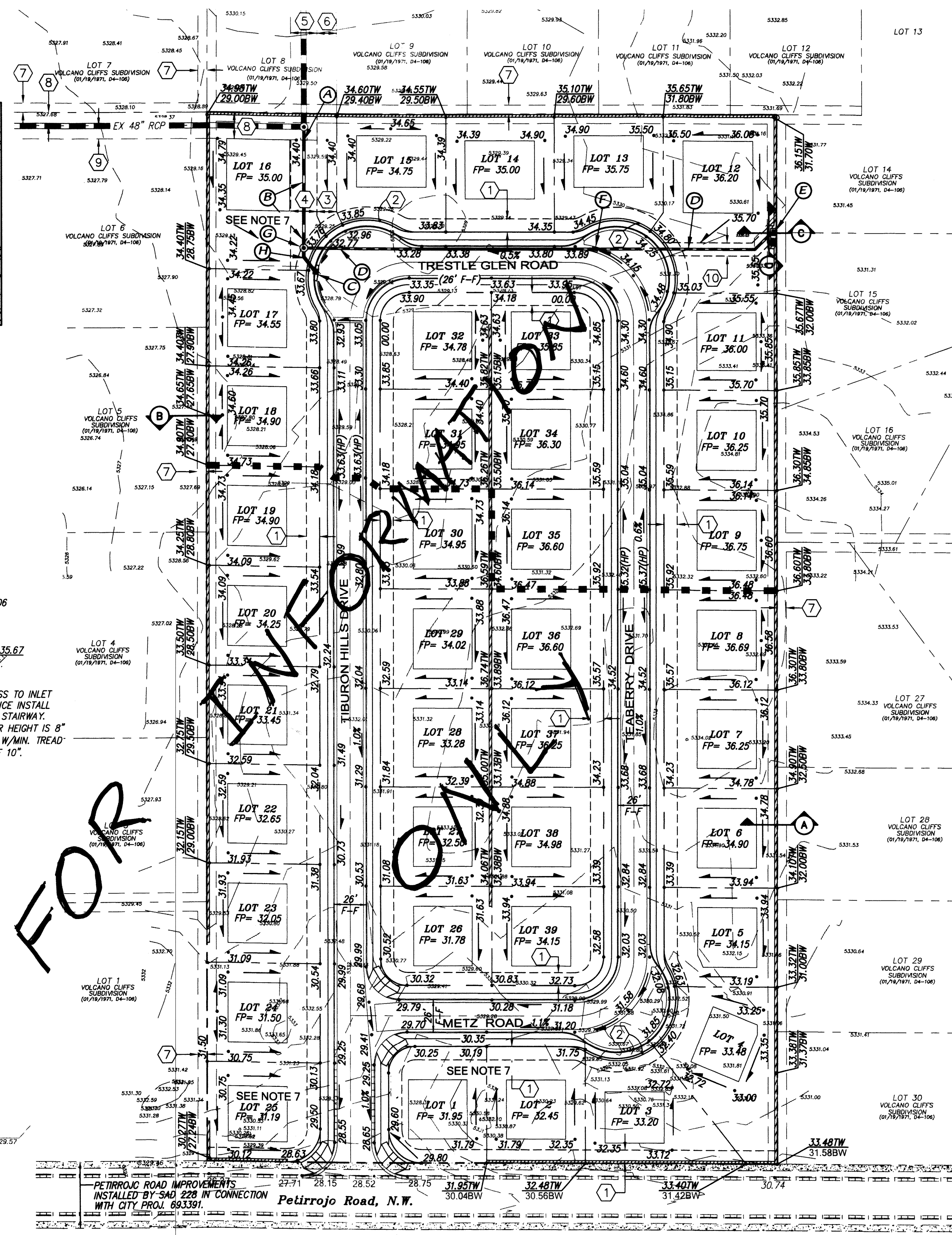
TYPICAL 26' F-F RESIDENTIAL STREET SECTION (2405A)

NTS

Easements:

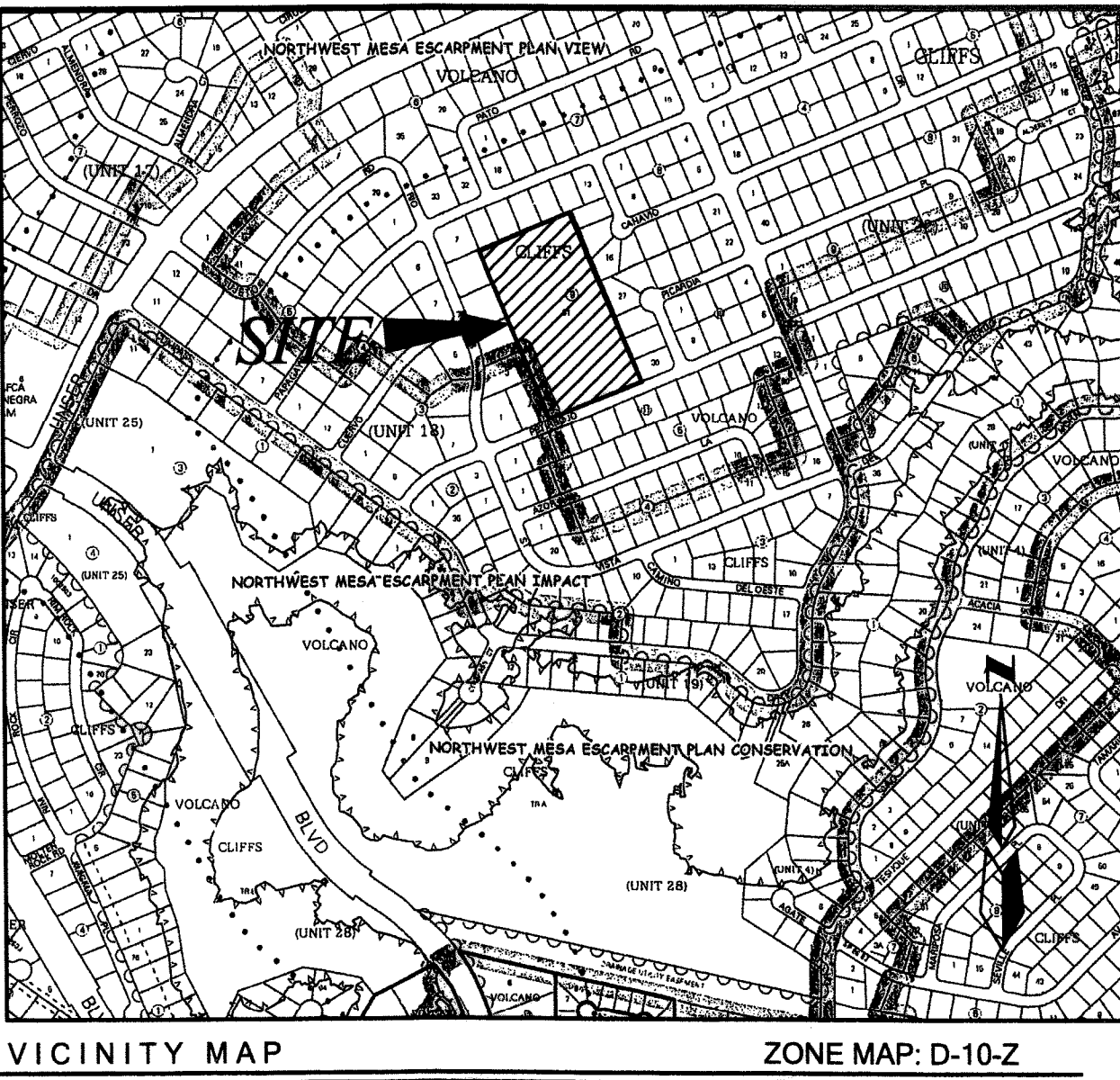
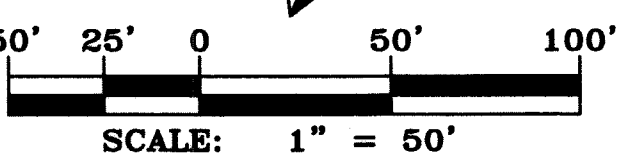
- 1 NEW 10' PUBLIC UTILITY EASEMENT
- 2 NEW SIDEWALK EASEMENT
- 3 NEW 15' PUBLIC WATERLINE EASEMENT
- 4 NEW 20' PUBLIC STORM DRAIN EASEMENT
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- 10 NEW 10' PRIVATE DRAINAGE EASEMENT GRANTED TO LOTS 12-16, VOLCANO CLIFFS SUBDIVISION, AND TO BE MAINTAINED BY THE TIBURON HEIGHTS HOME OWNERS ASSOCIATION.

FOR INFORMATION



KEYED NOTES:

- A EXISTING 24" RCP (INV.=24.20) REMOVE SD PLUG AND CONNECT NEW 24" RCP
- B 82.91 LF OF NEW 24" RCP @ 1.0% SLOPE
- C INSTALL NEW SINGLE, TYPE "C" INLET PER STANDARD DWG #2205 NORMAL FL = 32.77 TO= 32.55 INV.(OUT)= 25.2 INV.(IN)= 25.3
- D 361.7 LF OF NEW 18" RCP @ 0.9% SLOPE
- E INSTALL NEW SINGLE, TYPE "D" INLET PER STANDARD DWG #2206, EAST SIDE OF COLLAR TO BE FLUSH WITH ADJOINING FINAL GRADE. TO= 31.00 INV.= 28.29
- F INSTALL NEW SINGLE, TYPE "D" INLET PER STANDARD DWG #2206. TO= 33.99 INV.= 27.08
- G NEW 4" x 4" TYPE "E" STORM DRAIN MANHOLE RIM= 33.85 INV.= 25.06
- H 20.7 LF OF NEW 24" RCP @ 1.0% SLOPE



LEGAL DESCRIPTION

A TRACT OF LAND LYING AND SITUATE WITHIN SECTION 22, TOWNSHIP 11 NORTH, RANGE 2 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, COMPRISING OF LOT 31-A, BLOCK 9, UNIT NO. 18 VOLCANO CLIFFS SUBDIVISION AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT THEREOF FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON [REDACTED] RECORDED IN PLAT BOOK [REDACTED] PAGE [REDACTED] AND CONTAINING 7.9143 ACRES (344,746 SQUARE FEET) MORE OR LESS.

EROSION CONTROL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
6. SITE DOES NOT LIE IN A 100 YEAR FLOOD ZONE.
7. IF S&D 228'S DOWNSTREAM STORM DRAIN AND STREET INFRASTRUCTURE HAS NOT BEEN BUILT AND ACCEPTED BY THE CITY, CONTRACTOR SHALL INSTALL TEMPORARY RETENTION PONDS ON LOTS 1, 2, 16 AND 25 AS SHOWN HEREON.
8. SIDEWALK CULVERTS ARE PER C.O.A. STANDARD DWG #2236.

NOTE:
ALL SITE WALLS SHALL CONFORM TO THE GENERAL HEIGHT AND DESIGN REGULATIONS CONTAINED IN SECTION 14-16-3-19 OF THE CITY ZONING CODE.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE	
dmg	MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 OFFICE (505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: TIBURON HEIGHTS GRADING AND DRAINAGE PLAN	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
Not For Construction	
CITY PROJECT NO. 790681	ZONE MAP NO. D-10-Z
SHEET 3 OF 10	

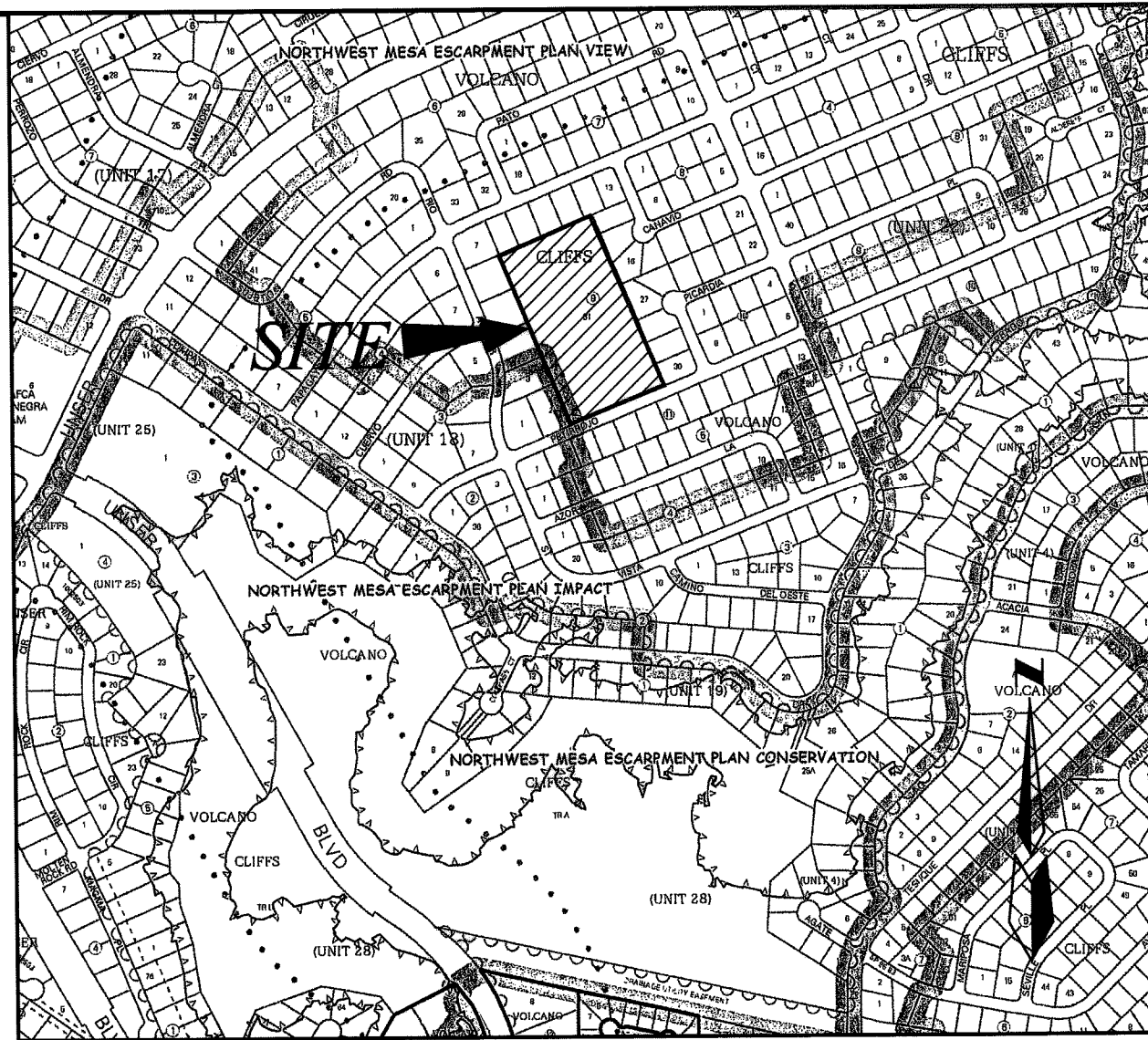
AS BUILT INFORMATION	
CONTRACTOR	DATE
INSPECTOR'S	DATE
FIELD	DATE
VERIFICATION BY	DATE
CORRECTED BY	DATE
RECORDED BY	DATE
NO.	
BENCH MARKS	
AGRS station is a USGLD section corner stamped	
"S 21 S22 S27 T11N R2E 1911"	
From the intersection of Mariano Road NW and Unser Blvd NW	
go northwest on Unser Blvd 0.78 mile to Mollen Road NW	
then left on Mollen Road Road 320 feet to 81st Street. The station	
is located in the southeast quadrant of the intersection.	
Geographic Position (NAD83), in feet	
N.M. State Plane Coordinates (Central Zone)	
N=1513940.436, E=1497558.102, Elev. = 5330.151 (NAVD83), in feet	
ENGINEER'S SEAL	
NO. DATE	
REMARKS	
DESIGNED BY JAM	
DRAWN BY DER	
CHECKED BY DMG	
DATE 07/13	
DATE 07/13	
DATE 07/13	

EASEMENT KEYED NOTES:

- NEW 10' PUBLIC UTILITY EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
- NEW 1' WIDE SIDEWALK EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
- NEW 15' PUBLIC WATERLINE EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
- NEW 20' PUBLIC STORM DRAIN EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
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CONSTRUCTION NOTES

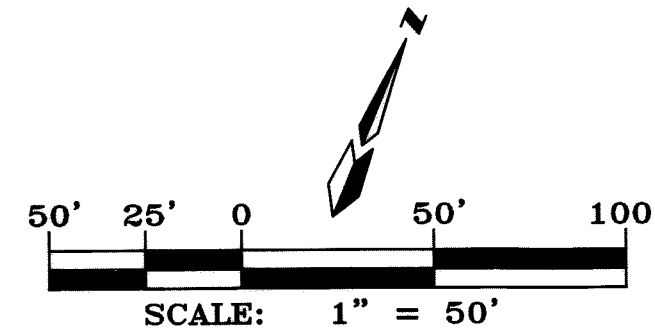
- ALL SIDEWALKS PER COA STD. DWG 2430.
- ALL 6" VALLEY GUTTERS PER COA STD. DWG 2420.
- ALL HANDICAP RAMPS ARE PER COA DETAIL 2441, CASE II WITH ADA COMPLIANT TRUNCATED DOMES. SUBMIT SPECIFICATIONS TO ENGINEER PRIOR TO CONSTRUCTION.
- TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB SHALL BE 10 FEET.
- TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50 FEET PER C.O.A. STD DETAIL 2401.
- ALL 10" VALLEY GUTTERS PER COA STD. DWG 2422.
- TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB AT INTERSECTIONS SHALL OCCUR THROUGH THE HC RAMP PER COA STD. DWG 2418.
- SOIL NOT HAVING THE MINIMUM R-VALUE ≥ 50 FOR STREETS SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED, BY THE CONTRACTOR, WITH SUITABLE MATERIAL OR A PAVEMENT SECTION SHALL BE DESIGNED BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER COA STANDARD SPECIFICATIONS.
- ALL 4" VALLEY GUTTERS PER COA STD. DWG 2421.
- ALL MOUNTABLE CURB & GUTTER PER COA STD. DWG 2415A.
- ALL STANDARD CURB & GUTTER PER COA STD. DWG 2415A.



VICINITY MAP ZONE MAP: D-10-Z

LEGEND

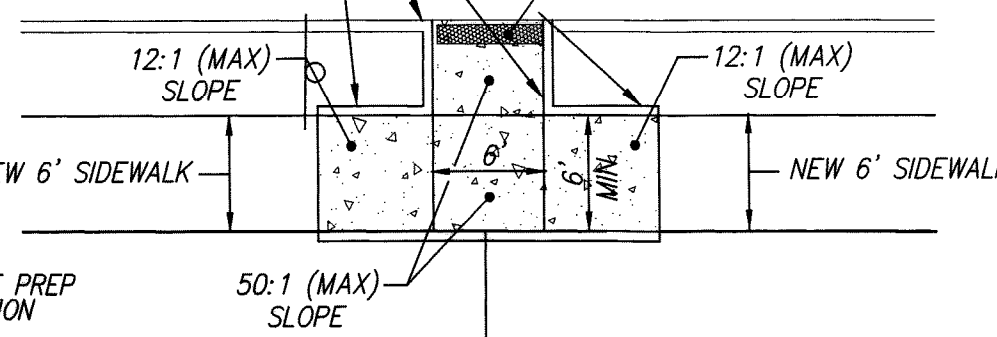
- EXISTING CURB & GUTTER
- EXISTING SIDEWALK
- EXISTING EASEMENT LINE
- NEW BOUNDARY LINE
- NEW RIGHT OF WAY LINE
- NEW ADJOINER LINE
- NEW CENTER LINE
- NEW EASEMENT LINE
- NEW SIDEWALK (THIS PROJECT)- ALL OTHERS DEFERRED
- NEW STANDARD CURB & GUTTER
- NEW ROLL CURB & GUTTER
- NEW RETAINING WALL (BY OTHERS)
- NEW STORM DRAIN INLET
- CROWN TO NO CROWN TRANSITION
- NEW STREET LIGHT (7) EACH
- NEW HANDICAP RAMP (SEE DETAIL THIS SHEET)
- NEW DRIVEWAY LOCATION (BY OTHERS)
- NEW STREET SIGN LOCATION



NEW 4" HEADER CURB EACH SIDE PER STD DWG 2415B TAPERED TO NO CURB AT SIDEWALK (TYP). PROVIDE 3' TRANSITION FROM MOUNTABLE TO VERTICAL CURB FACE.

TEABERRY DRIVE

- TRUNCATED DOMES (MIN. 24" WDE)
- DESIGN PER ADA GUIDELINES
- SUBMIT SPECS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION

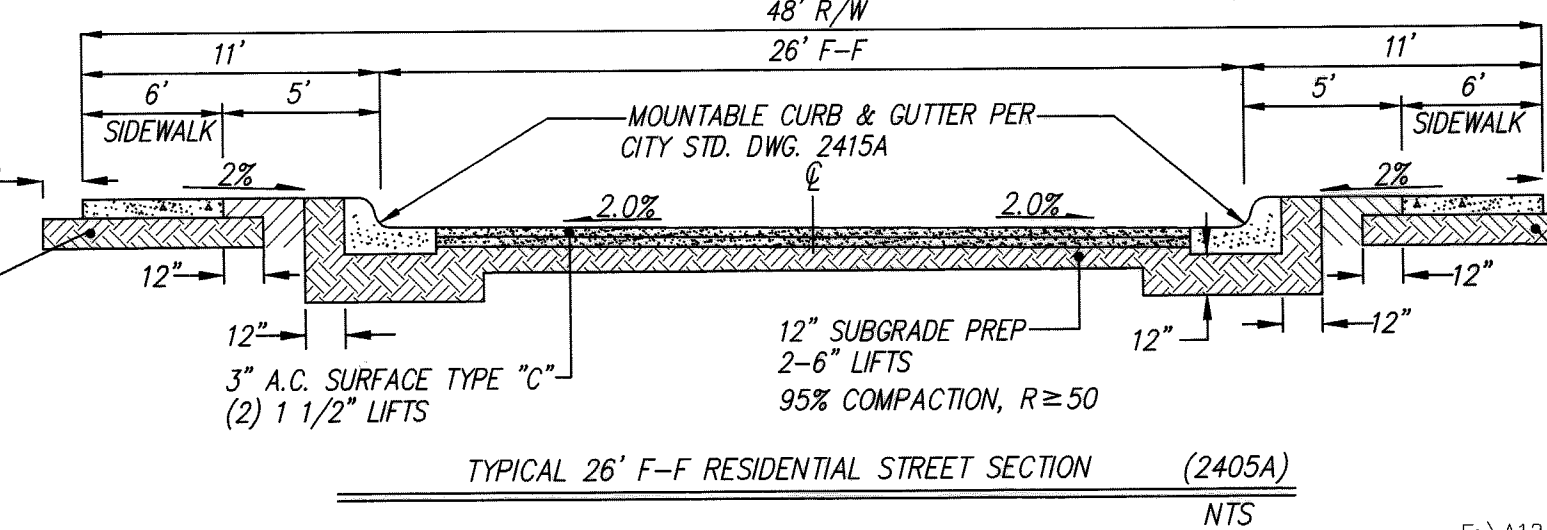
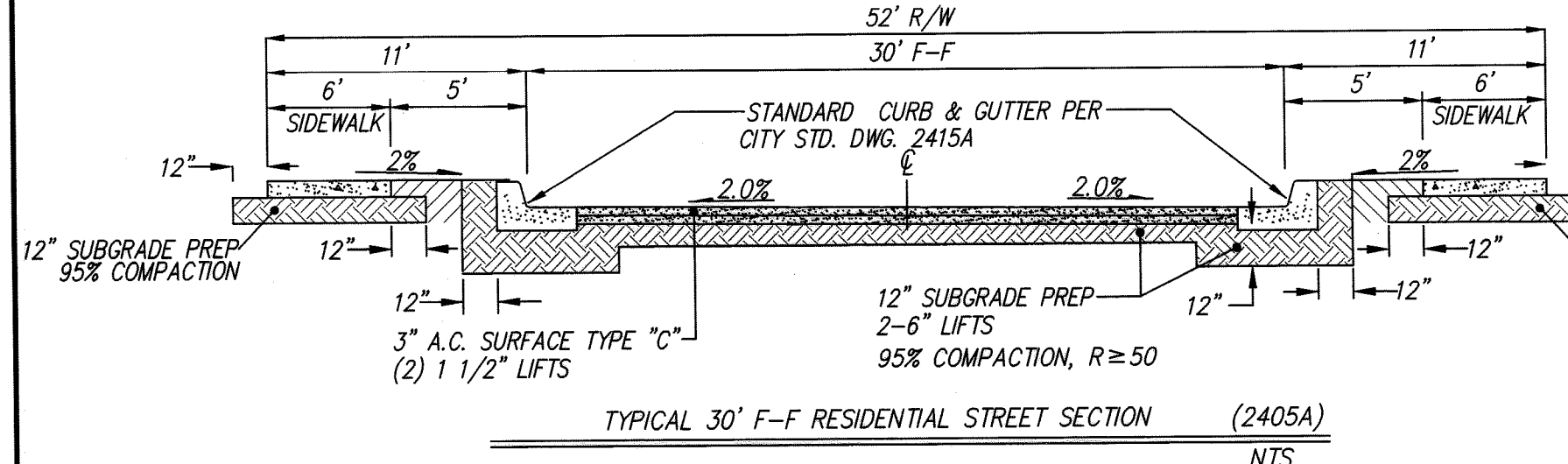
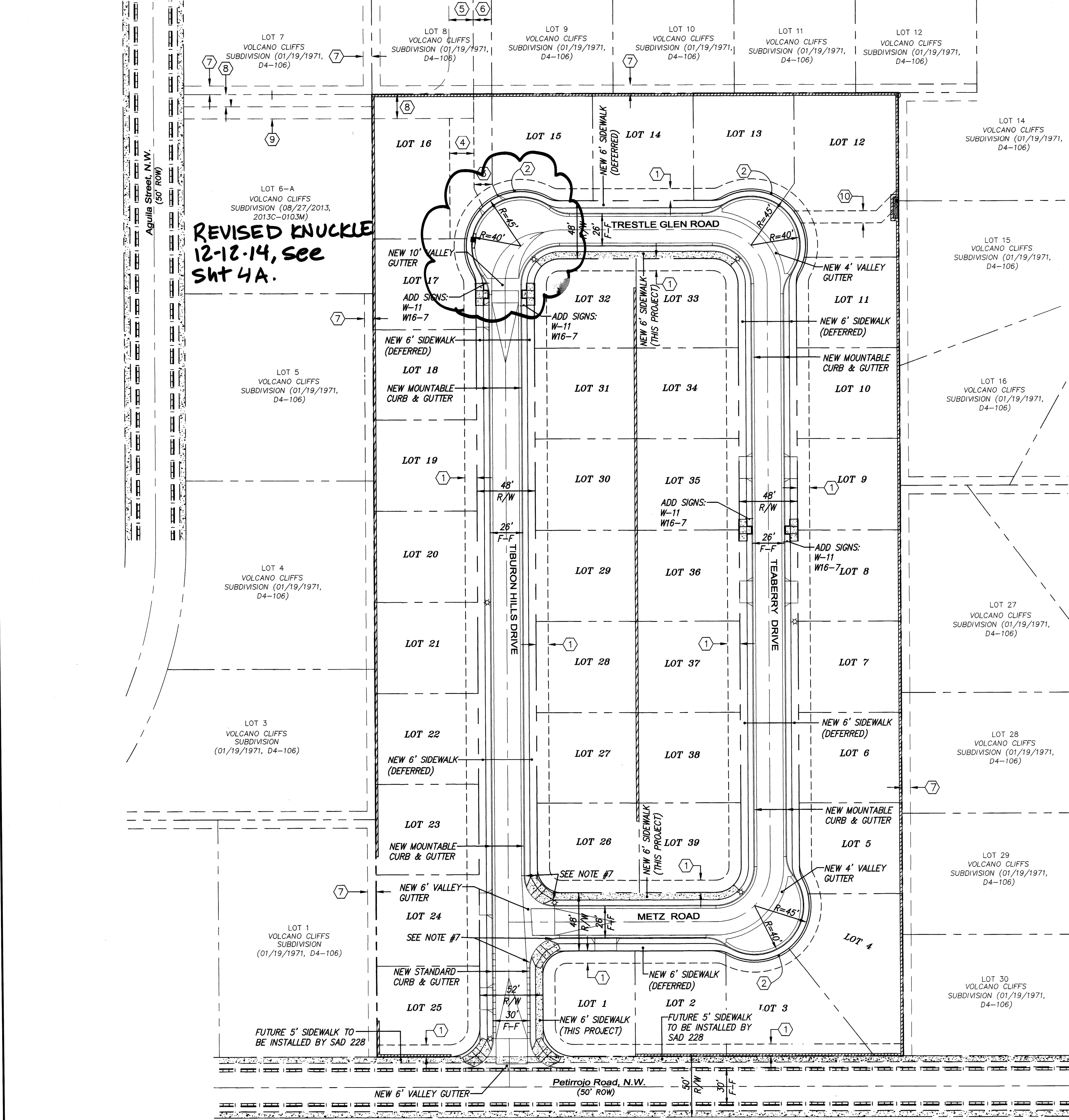


HANDICAP RAMP DETAIL FOR TIBURON HILLS DRIVE AND TEABERRY DRIVE

SCALE: 1"=10'

F:\A12\085\A12006 Tiburon Heights\PLANS\PAVING\Revised Paving\A12006-Master Paving.dwg, Last saved by: Dwayne, 12/4/13

REVISED KNUCKLE 12-12-14, see SHt 4A.



EASEMENT KEYED NOTES:

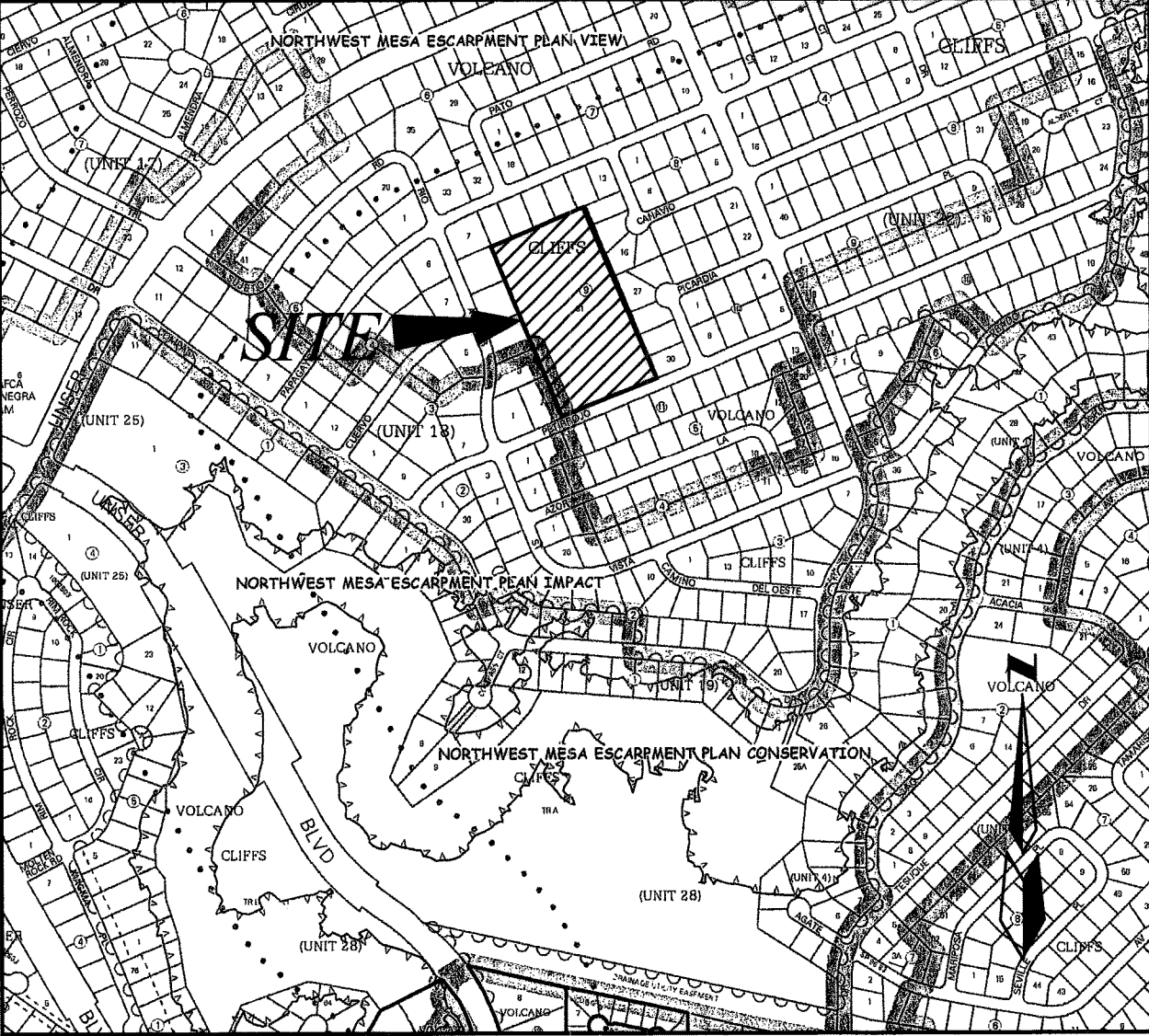
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- 10 NEW 10' PRIVATE DRAINAGE EASEMENT GRANTED TO LOTS 12-16, VOLCANO CLIFFS SUBDIVISION, AND TO BE MAINTAINED BY THE OWNER OF LOT 12.
- 11 NEW 6' WIDE PUBLIC SIDEWALK EASEMENT

CONSTRUCTION NOTES

- 1. ALL SIDEWALKS PER COA STD. DWG 2430.
- 2. ALL 6' VALLEY GUTTERS PER COA STD. DWG 2420.
- 3. ALL HANDICAP RAMPS ARE PER COA DETAIL 2441, CASE II WITH ADA COMPLIANT TRUNCATED DOMES. SUBMIT SPECIFICATIONS TO ENGINEER PRIOR TO CONSTRUCTION.
- 4. TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB SHALL BE 10 FEET.
- 5. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50 FEET PER C.O.A. STD DETAIL 2401.
- 6. ALL 10' VALLEY GUTTERS PER COA STD. DWG 2422.
- 7. TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB AT INTERSECTIONS SHALL OCCUR THROUGH THE HC RAMP PER COA STD. DWG 2418.
- 8. SOIL NOT HAVING THE MINIMUM R-VALUE ≥ 50 FOR STREETS SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED, BY THE CONTRACTOR, WITH SUITABLE MATERIAL OR A PAVEMENT SECTION SHALL BE DESIGNED BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER COA STANDARD SPECIFICATIONS.
- 9. ALL 4' VALLEY GUTTERS PER COA STD. DWG 2421.
- 10. ALL MOUNTABLE CURB & GUTTER PER COA STD. DWG 2415A.
- 11. ALL STANDARD CURB & GUTTER PER COA STD. DWG 2415A

LEGEND

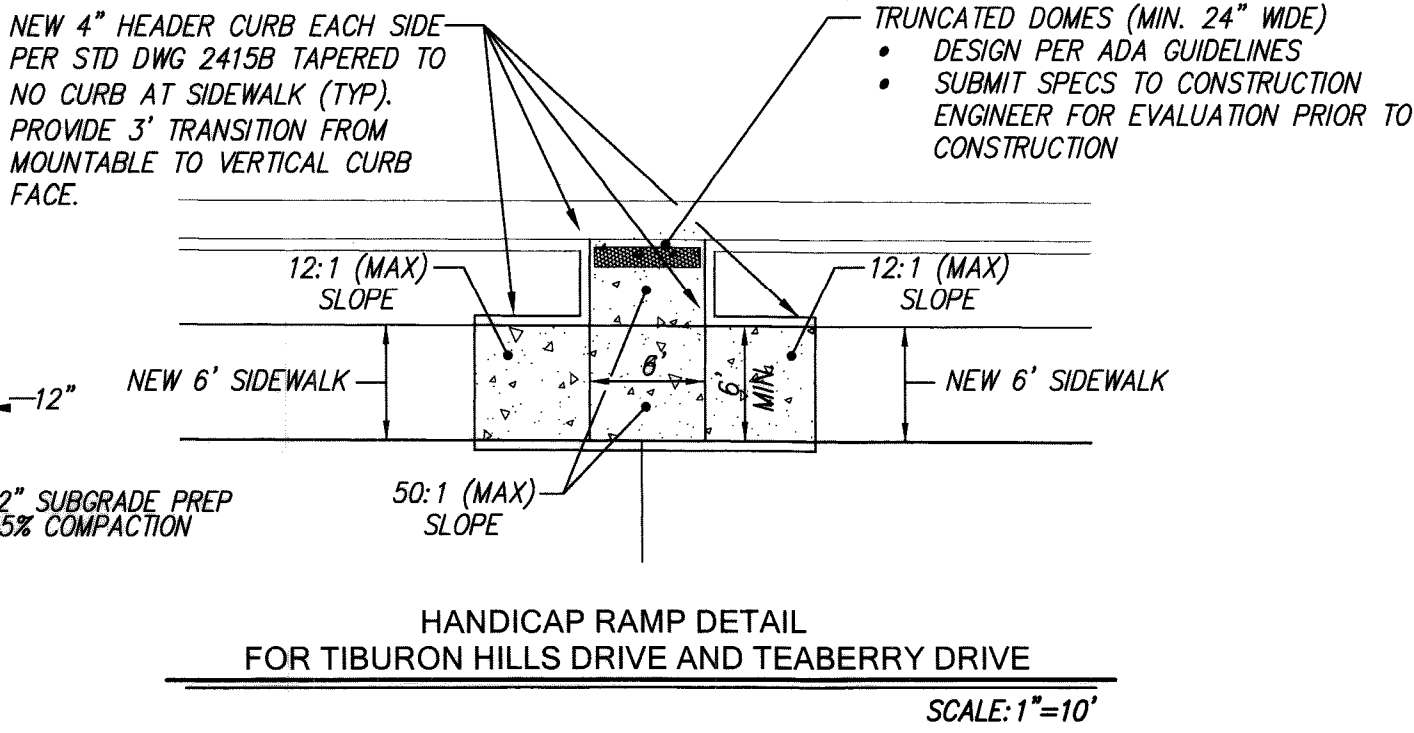
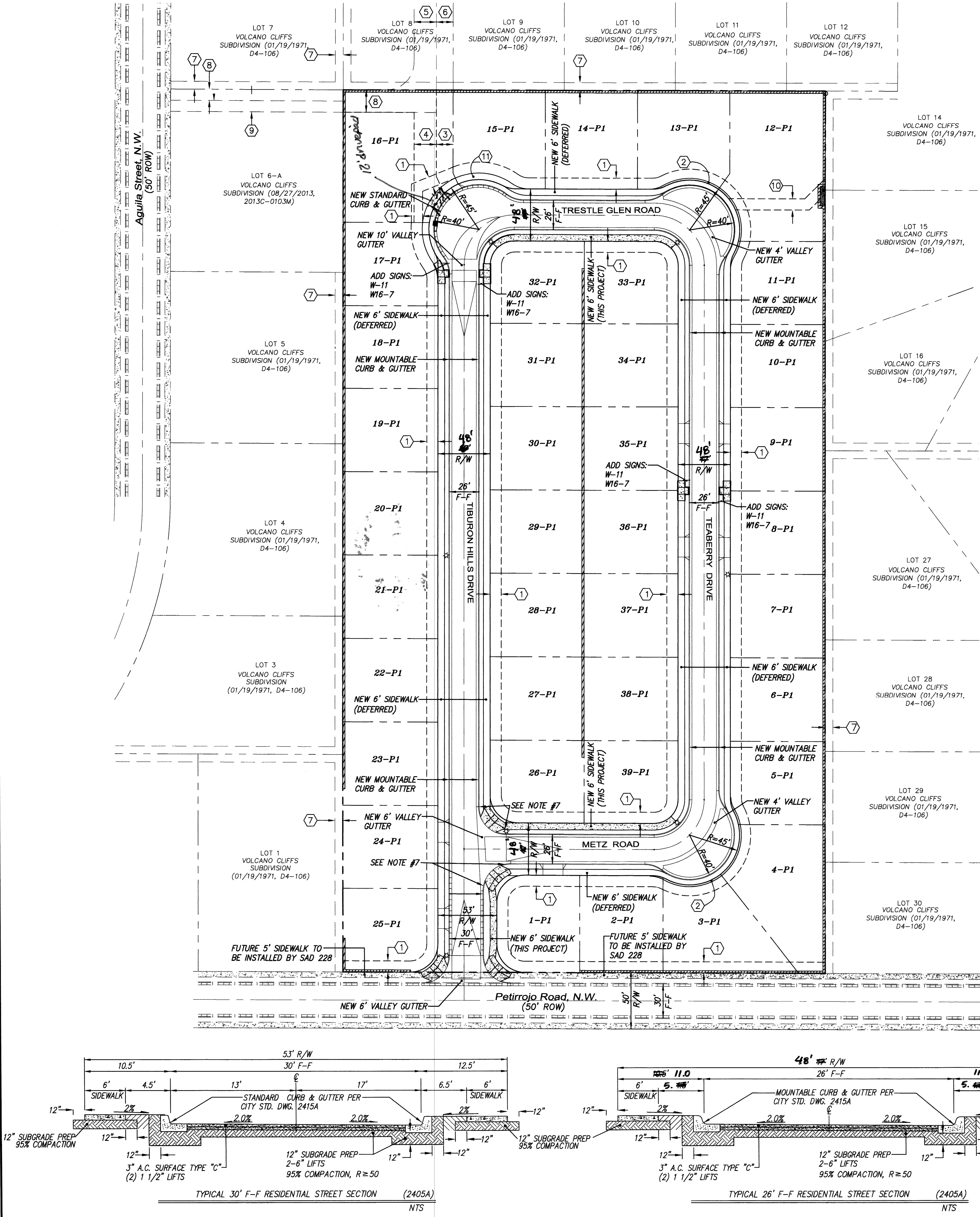
- EXISTING CURB & GUTTER
- EXISTING SIDEWALK
- EXISTING EASEMENT LINE
- NEW BOUNDARY LINE
- NEW RIGHT OF WAY LINE
- NEW ADJOINER LINE
- NEW CENTER LINE
- NEW EASEMENT LINE
- NEW SIDEWALK (THIS PROJECT)- ALL OTHERS DEFERRED
- NEW STANDARD CURB & GUTTER
- NEW ROLL CURB & GUTTER
- NEW RETAINING WALL (BY OTHERS)
- NEW STORM DRAIN INLET
- CROWN TO NO CROWN TRANSITION
- NEW STREET LIGHT (7) EACH
- NEW HANDICAP RAMP (SEE DETAIL THIS SHEET)
- NEW DRIVEWAY LOCATION (BY OTHERS)
- NEW STREET SIGN LOCATION

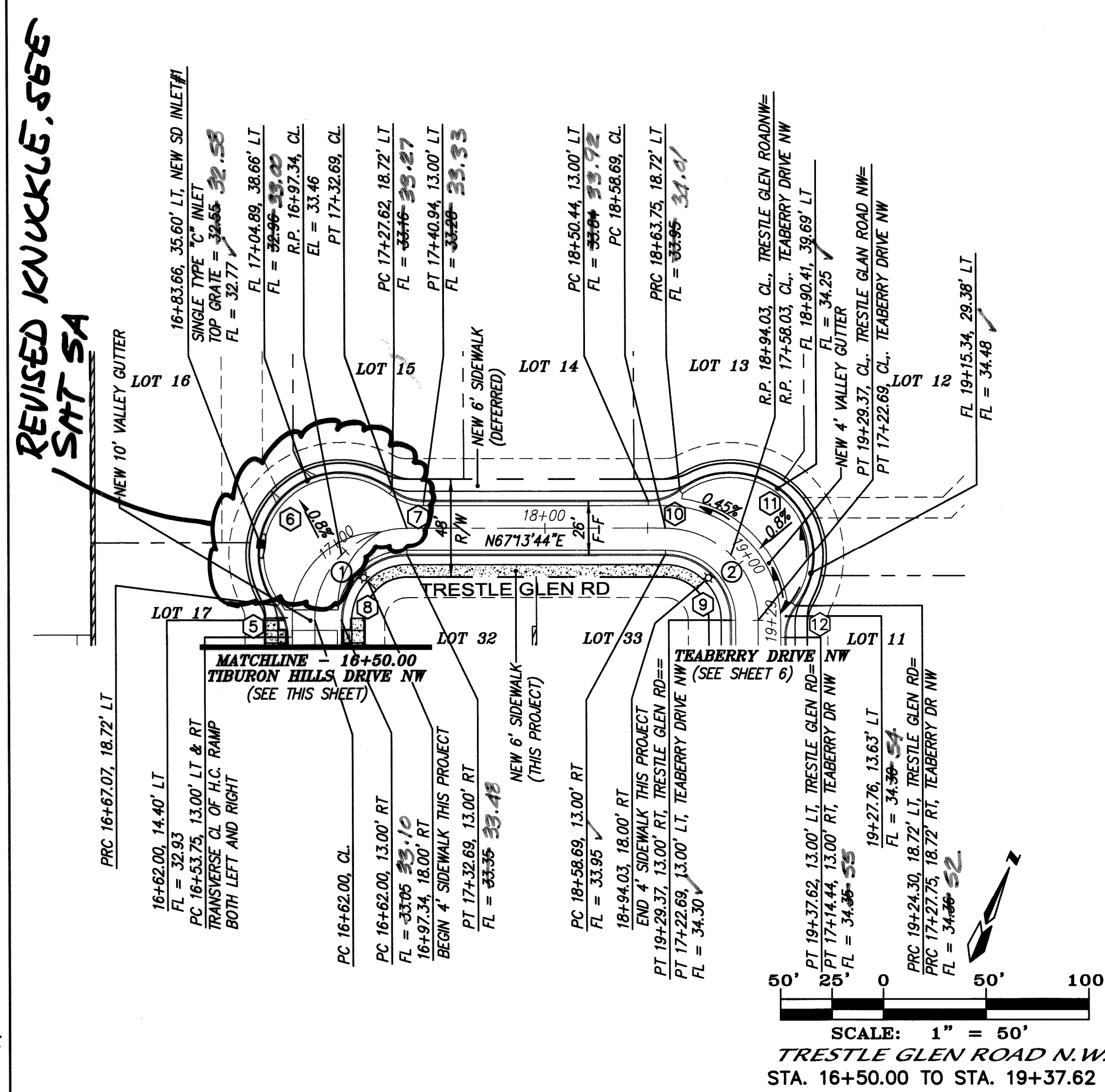
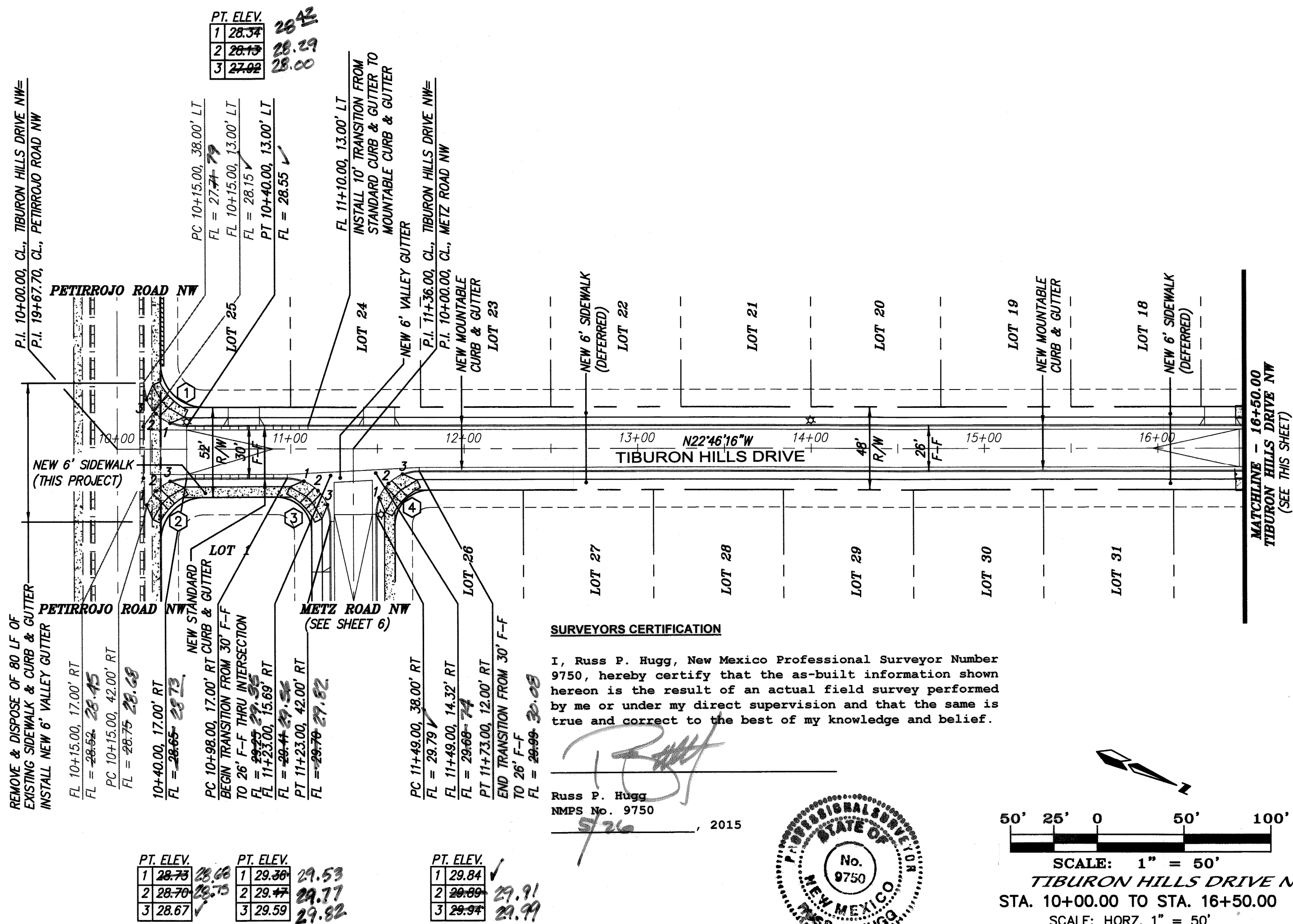


VICINITY MAP ZONE MAP: D-10-Z

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REMARKS	
CONTRACTOR	DATE	WORK	DATE	NO.	BY	DATE	NO.	DATE	BY
AGRS station is a USGLD section corner stamped		INSPECTED BY							
From the Intersection of Moriato Road NW and Unser Blvd NW		ACCEPTANCE BY							
go northwest on Unser Blvd 0.78 mile to Moriato Road NW		FIELD VERIFICATION BY							
then Left on Moriato Road 320 feet to 81st Street. The station		DRAWINGS							
is located in the southeast quadrant of the intersection.		CORRECTED BY							
Geographic Position (NAD83), in feet		MICRO-FILM INFORMATION							
N.M. State Plane Coordinates (Central Zone)		RECORDED BY							
N=1513940.436, E=1497658.102, Elev. = 5330.151 (NAVD83), in feet		NO.							

CERTIFICATE OF SUBSTANTIAL COMPLIANCE	
I, <u>Diane Hoelzer</u> , NMPE 11967, of the firm <u>Mark Goodwin & Associates, P.A.</u> , a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by <u>Russ Hugo</u> , NMPS number <u>9750</u> .	
<u>Diane Hoelzer</u> 5-29-15	
dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 OFFICE (505) 828-2200, FAX (505) 797-9539	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: TIBURON HEIGHTS MASTER PAVING PLAN	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
LAST DESIGN UPDATE	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.
790681	D-10-Z
SHEET	OF
4A	10





- NOTES
1. ALL STATIONING IS BASED ON THE CENTERLINE OF PUBLIC ROADWAY.
 2. STORM DRAIN INLETS SHALL BE INSTALLED PER C.O.A. STD. DWG #2205 AND GRATES PER C.O.A. STD DWG # 2220.
 3. INSTALL (WHEELCHAIR) CURB ACCESS RAMPS PER C.O.A. STD. DWG #2441 (CASE II).
 4. TRANSITION FROM STANDARD CURB & GUTTER TO MOUNTABLE CURB & GUTTER SHALL BE OVER A DISTANCE OF 10'. AT DROP INLET THE TRANSITION IS TO START AT OUTSIDE EDGES OF INLET WINGS.
 5. ALL SIDEWALK CULVERTS ARE PER C.O.A. STD. DWG #2236. TACK WELD THE BOLTS ON PLATE TYPICAL.

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta=90^{\circ}00'00"$ L=70.69 R=45.00 Tan=45.00	② $\Delta=90^{\circ}00'00"$ L=70.69 R=45.00 Tan=45.00
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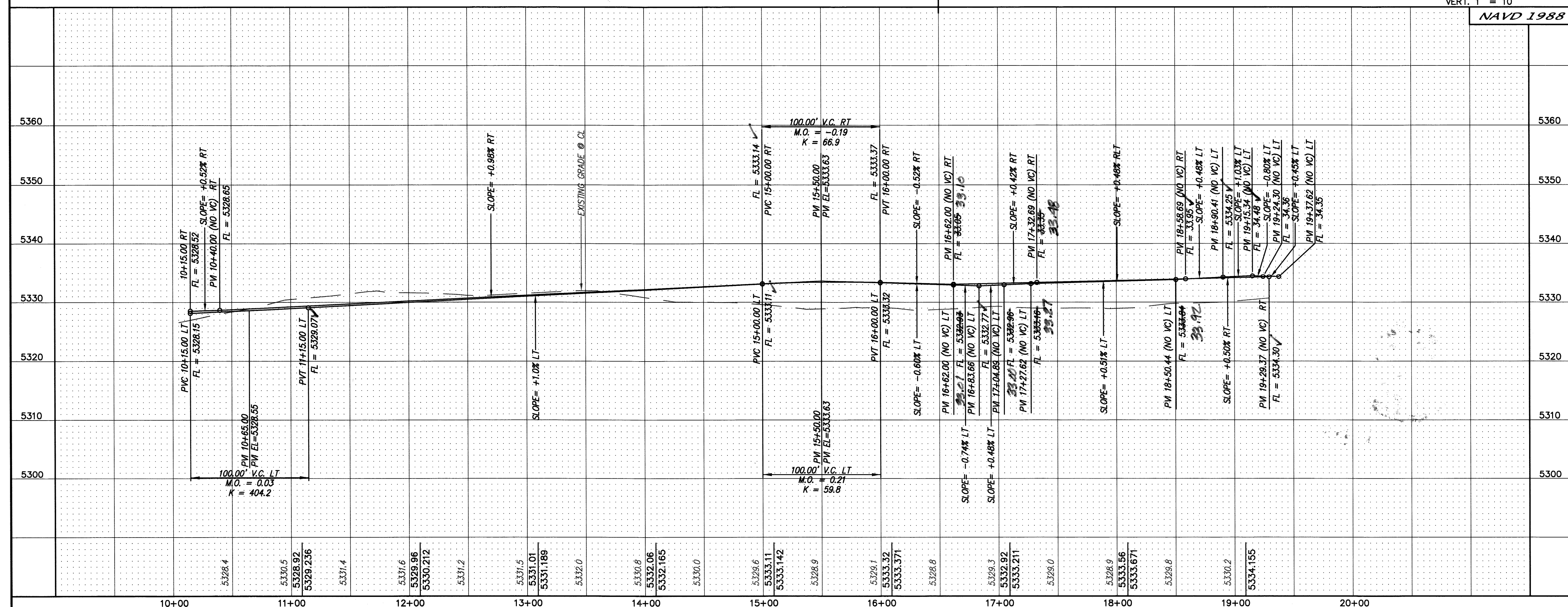
CURVE DATA - DESCRIBES FACE OF NEW CURB

① $\Delta=90^{\circ}00'00"$ L=39.27 R=25.00 Tan=25.00	② $\Delta=89^{\circ}59'59"$ L=39.27 R=25.00 Tan=25.00	③ $\Delta=90^{\circ}00'00"$ L=39.27 R=25.00 Tan=25.00
④ $\Delta=90^{\circ}00'00"$ L=39.27 R=25.00 Tan=25.00	⑤ $\Delta=38^{\circ}03'29"$ L=16.61 R=25.00 Tan=8.62	⑥ $\Delta=166^{\circ}06'57"$ L=115.97 R=40.00 Tan=328.52
⑦ $\Delta=38^{\circ}03'29"$ L=16.61 R=25.00 Tan=8.62	⑧ $\Delta=90^{\circ}00'00"$ L=50.27 R=32.00 Tan=32.00	⑨ $\Delta=90^{\circ}00'00"$ L=50.27 R=32.00 Tan=32.00
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SCALE: 1" = 50'
TIBURON HILLS DRIVE N.W.
STA. 10+00.00 TO STA. 16+50.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

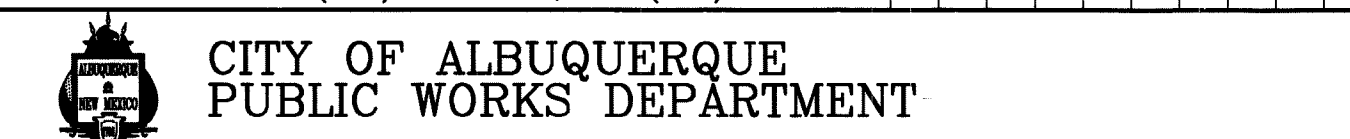
SCALE: 1" = 50'
TRESTLE GLEN ROAD N.W.
STA. 16+50.00 TO STA. 19+37.62
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



NAVD 1988

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

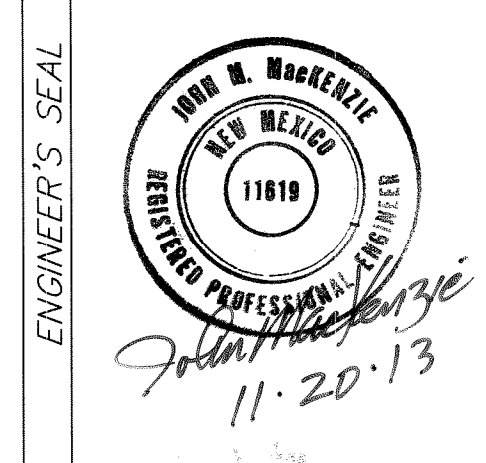
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



TITLE: TIBURON HEIGHTS
TIBURON HILLS DRIVE & TRESTLE GLEN ROAD
PAVING PLAN AND PROFILE

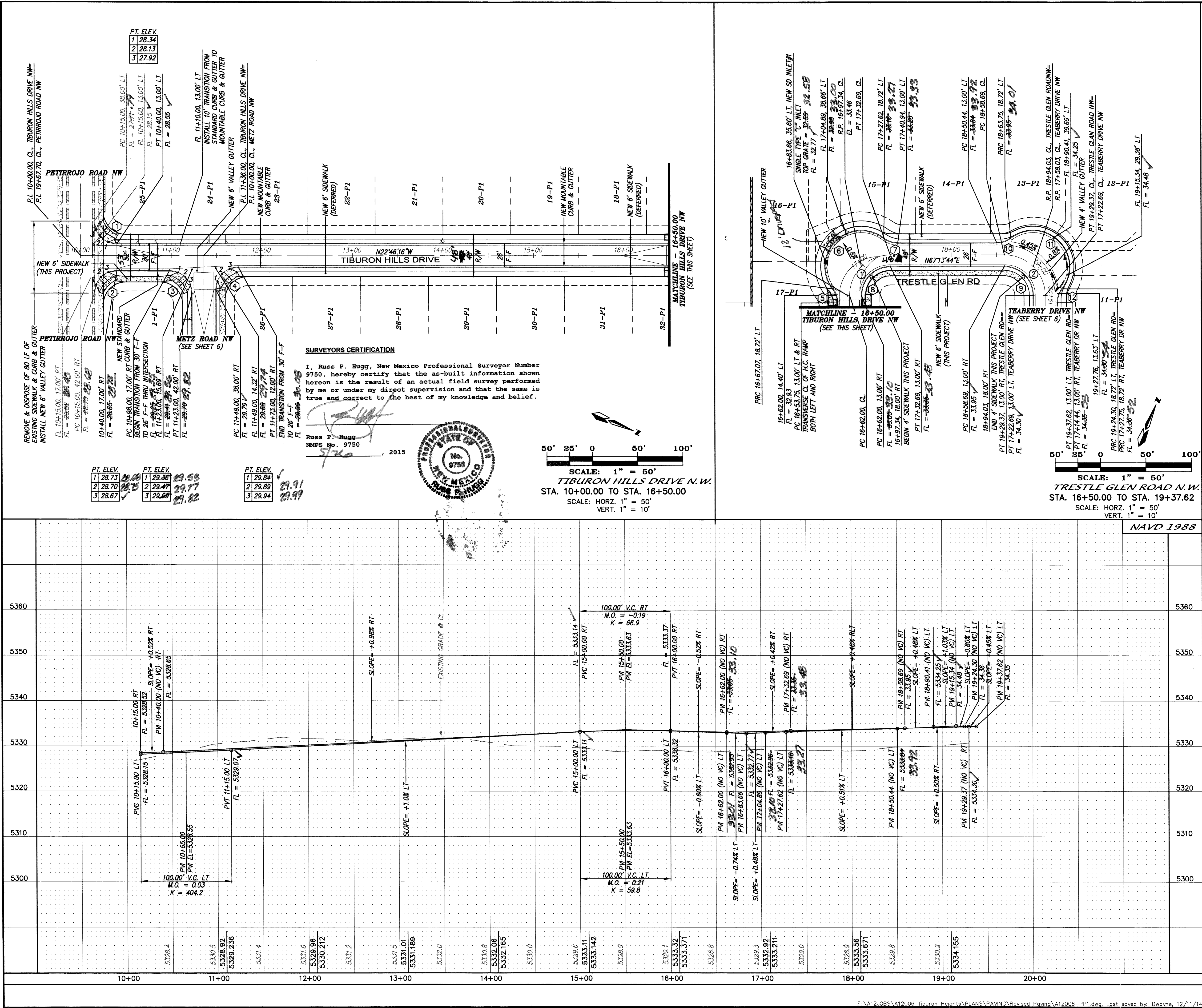
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED	APPROVED			

CITY PROJECT NO. 790681 ZONE MAP NO. SHEET 5 OF 10



NO.	DATE	REVISIONS	DESIGNED BY	DRAWN BY	CHECKED BY
			JMM	DER	DMG

NO.	DATE	REVISIONS	DESIGNED BY	DRAWN BY	CHECKED BY
			JMM	DER	DMG



- NOTES
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CURVE DATA - DESCRIBES CENTERLINE

① $\Delta=90^{\circ}00'00''$ L=70.69 R=45.00 Tan=45.00	② $\Delta=90^{\circ}00'00''$ L=70.69 R=45.00 Tan=45.00
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CURVE DATA - DESCRIBES FACE OF NEW CURB

① $\Delta=90^{\circ}00'00''$ L=39.27 R=25.00 Tan=25.00	② $\Delta=89^{\circ}59'59''$ L=39.27 R=25.00 Tan=25.00	③ $\Delta=90^{\circ}00'00''$ L=39.27 R=25.00 Tan=25.00
④ $\Delta=90^{\circ}00'00''$ L=39.27 R=25.00 Tan=25.00	⑤ $\Delta=38^{\circ}03'29''$ L=16.61 R=25.00 Tan=8.62	⑥ $\Delta=166^{\circ}06'57''$ L=115.97 R=40.00 Tan=328.52
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NAVD 1988

SCALE: 1" = 50'

SCALE: HORZ. 1" = 50'

SCALE: VERT. 1" = 10'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, Diane Hoelzer, NMPE 11987, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by Russ Hugg, NMPS number 9750.

Diane Hoelzer 5-29-15

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **TIBURON HEIGHTS
TIBURON HILLS DRIVE & TRESTLE GLEN ROAD
PAVING PLAN AND PROFILE**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. **790681**

ZONE MAP NO.

SHEET **5A 10** OF

AS BUILT INFORMATION

CONTRACTOR: **MARK GOODWIN & ASSOCIATES, P.A.**

WORK: **TIBURON HEIGHTS PAVING PROJECT**

DATE: **5/29/15**

REVISIONS

NO.	DATE	REMARKS
1	5/29/15	ISSUED FOR PERMIT
2	5/29/15	REVISED FOR CITY REVIEW
3	5/29/15	REVISED FOR CITY REVIEW
4	5/29/15	REVISED FOR CITY REVIEW
5	5/29/15	REVISED FOR CITY REVIEW

DESIGNED BY: **JMM**

DRAWN BY: **DMG**

CHECKED BY: **DMG**

DATE: **07/13**

DATE: **07/13**

DATE: **07/13**

RECORD DRAWING

NOTES

1. ALL STATIONING IS BASED ON THE CENTERLINE OF PUBLIC ROADWAY.
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CURVE DATA - DESCRIBES CENTERLINE

- | | |
|---|---|
| ① $\Delta=90^{\circ}00'00''$
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R=45.00
Tan=45.00 | ② $\Delta=90^{\circ}00'00''$
L=70.69
R=45.00
Tan=45.00 |
|---|---|

CURVE DATA - DESCRIBES FACE OF NEW CURB

- | | | |
|---|--|--|
| ① $\Delta=90^{\circ}00'00''$
L=39.27
R=25.00
Tan=25.00 | ② $\Delta=90^{\circ}00'00''$
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **TIBURON HEIGHTS
METZ ROAD AND TEABERRY DRIVE NW
PAVING PLAN AND PROFILE**

DESIGN REVIEW COMMITTEE

APPROVED

DESIGN REVIEW COMMITTEE

APPROVED

CITY ENGINEER

APPROVED

CITY ENGINEER

APPROVED

CITY ENGINEER

APPROVED

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CITY ENGINEER

APPROVED

CITY ENGINEER

CITY PROJECT NO.

790681

ZONE MAP NO.

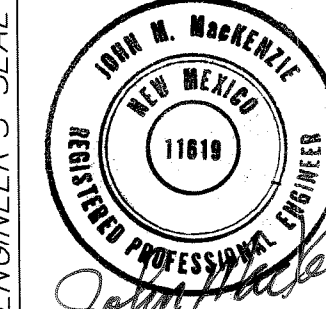
SHEET

OF

6

10

ENGINEER'S SEAL



REMARKS

DESIGN

DATE

07/13

DATE

07/13

DATE

07/13

DATE

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DATE

07/13

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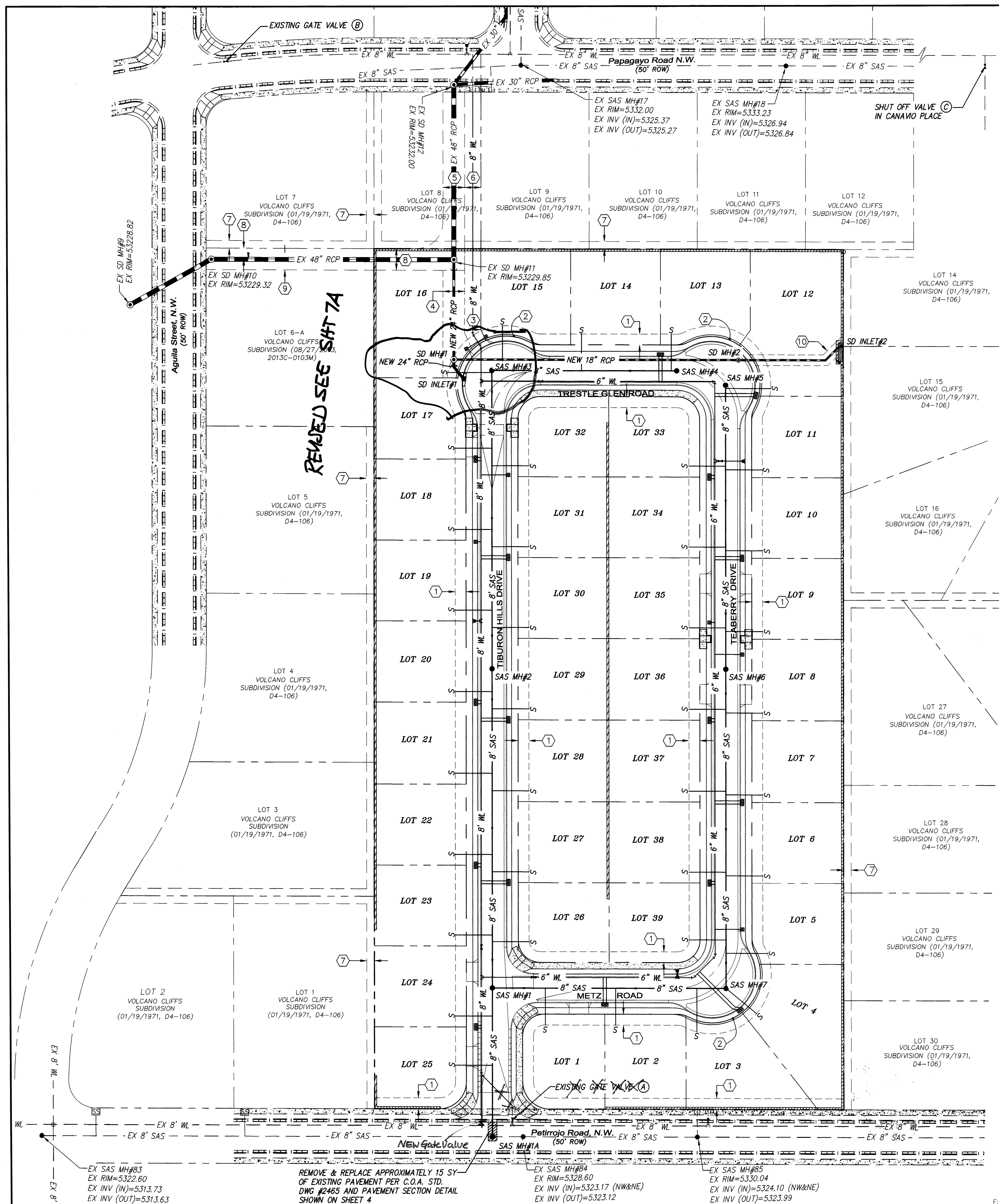
07/13

DATE

07/13

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07/13



EASEMENT KEYED NOTES:

- ① NEW 10' PUBLIC UTILITY EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
- ② NEW 1' WIDE SIDEWALK EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
- ③ NEW 15' PUBLIC WATERLINE EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
- ④ NEW 20' PUBLIC STORM DRAIN EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
- ⑤ EXISTING 20' PUBLIC STORM DRAIN EASEMENT (01-07-2013, DOC #2013001868).
- ⑥ EXISTING 15' PUBLIC WATERLINE EASEMENT (12-18-2012, DOC #2012133305).
- ⑦ EXISTING 7' ELECTRIC POWER AND TELEPHONE LINE EASEMENT (01/19/1971, D4-106)
- ⑧ EXISTING PUBLIC STORM DRAIN EASEMENT (08-27-2013, 2013C-0103M).
- ⑨ EXISTING 10' PUBLIC STORM DRAIN EASEMENT (01-07-2013, DOC #2013001870).
- ⑩ NEW 10' PRIVATE DRAINAGE EASEMENT GRANTED TO LOTS 12-16, VOLCANO CLIFFS SUBDIVISION, AND TO BE MAINTAINED BY THE TIBURON HEIGHTS HOME OWNERS ASSOCIATION.

NOTES

1. ALL STATIONING IS BASED ON CENTERLINE.
2. ALL FIRE HYDRANTS ARE 4' BURY UNLESS OTHERWISE SPECIFIED.
3. ALL METER BOXES ADJACENT TO MOUNTABLE CURB SHALL HAVE HEAVY WEIGHT METER BOX COVER & LID PER COA STD. DWG 2369.
4. ALL FIRE HYDRANTS PER COA STD. 2340.
5. ALL FIRE HYDRANTS TO HAVE A 6" GATE VALVE & BOX.
6. CONTRACTOR TO USE 12" TAP COATED CMP FOR VALVE BOXES.
7. CONTRACTOR IS NOT TO INSTALL THE STEPS IN THE SAS MANHOLES.

WATER SHUT-OFF NOTES

1. CONTRACTOR SHALL MAKE SHUT OFF REQUEST ONLINE AT <http://abcwua.org/content/view/full/463/729/>
2. VALVES SHALL ONLY BE OPERATED BY WATER AUTHORITY EMPLOYEES.
3. CLOSE WATER LINE VALVE (A) LOCATED IN PETIRROJO ROAD TO MAKE NECESSARY ON-SITE WATER LINE CONNECTIONS. ALSO CLOSE VALVES (B) AND (C) IN PAPAGAYO ROAD AT AQUILA STREET AND CANAVO PLACE INCLUDING VALVES IN PATO STREET AT URRACA STREET AND PAPAGAYO ROAD AT URRACA STREET.
4. CONNECT NEW WATERLINES AS NOTED ON CONSTRUCTION PLANS.
5. PRESSURE TEST AND DISINFECT NEW WATERLINE AS PER COAST GUARD SPECIFICATIONS – SECTION 801.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	46'
8"	22'	9'	4'	2'	60'
12"	30'	12'	6'	3'	85'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF
THE BEND. RESTRAIN BRANCH AT FITTING ONLY
MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF
TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
12"x12"x8"	18'	5'
12"x12"x6"	5'	1'
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

LEGEND

	EXISTING CURB & GUTTER
	EXISTING TRANSFORMER
	EXISTING ELECTRIC CABINET
	EXISTING TRAFFIC MAST
	EXISTING SIGNAL BOX
	EXISTING TELEPHONE MANHOLE
	EXISTING FENCE
	EXISTING UTILITY PEDESTAL
	EXISTING SANITARY SEWER MANHOLE
	EXISTING SANITARY SEWER LINE
	EXISTING SANITARY SEWER SERVICE
	EXISTING UNDERGROUND FIBER OPTIC LINE
	EXISTING UNDERGROUND WATER LINE
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
	EXISTING STORM DRAIN LINE
	EXISTING STORM DRAIN MANHOLE
	EXISTING STORM DRAIN INLET
	EASEMENT LINE
	NEW CENTERLINE
	NEW STORM DRAIN
	NEW STORM DRAIN INLET
	NEW STORM DRAIN MANHOLE
	NEW SANITARY SEWER LINE
	NEW SANITARY SEWER MANHOLE
	NEW SANITARY SEWER SERVICE LINE
	NEW WATERLINE
	NEW WATERLINE CROSS
	NEW WATERLINE TEE
	NEW WATERLINE CAP
	NEW WATERLINE BEND
	NEW FIRE HYDRANT
	NEW GATE VALVE & BOX
	NEW WATER METER SERVICES *
	NEW IRRIGATION SERVICE

SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE COUNTY										SANTA FE 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CERTIFICATE OF SUBSTANTIAL COMPLIANCE



MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200 FAX (505) 797-9539



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:

***TIBURON HEIGHTS
MASTER UTILITY PLAN***

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

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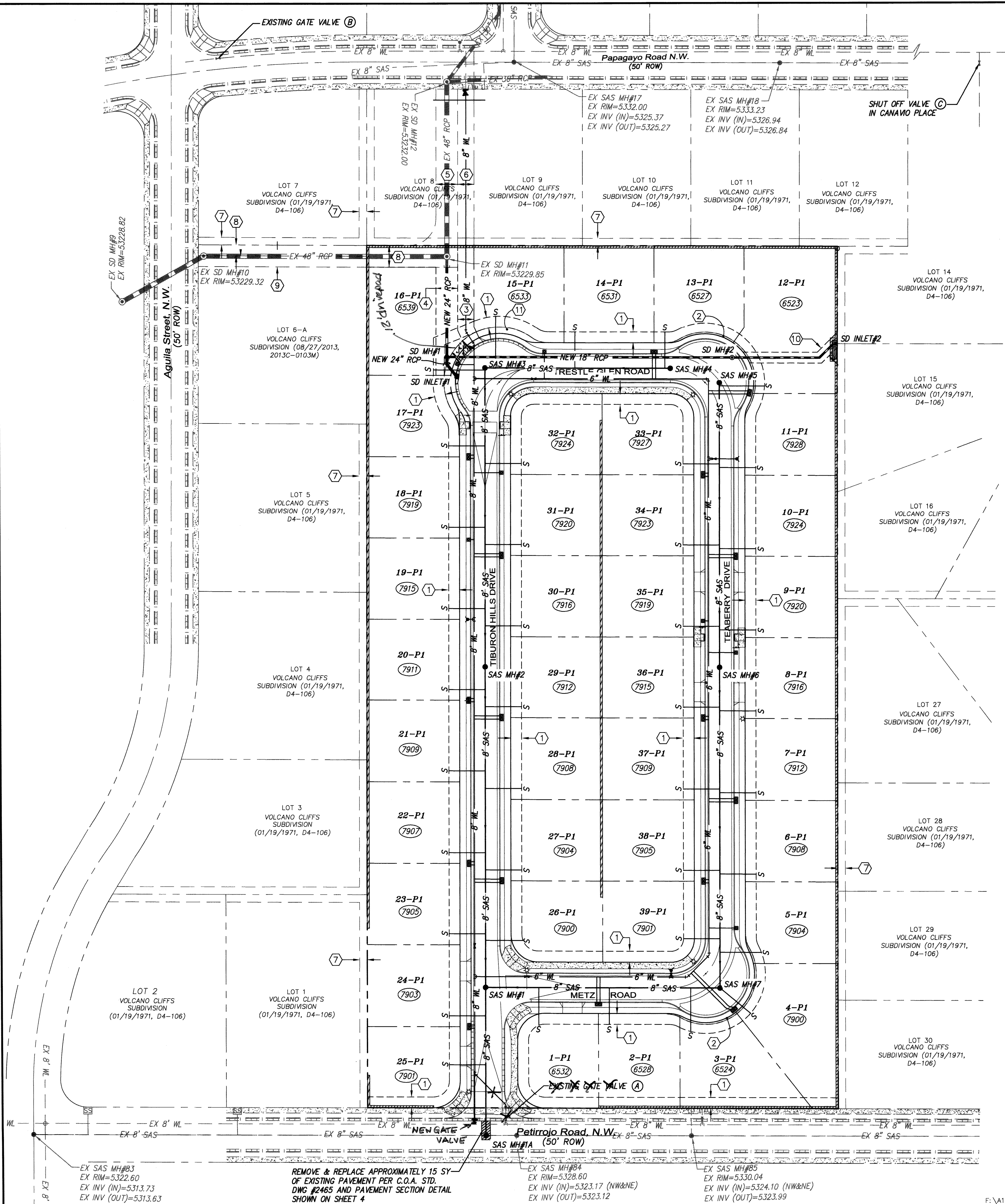
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EASEMENT KEYED NOTES:

- 1 NEW 10' PUBLIC UTILITY EASEMENT
- 2 NEW 1' WIDE SIDEWALK EASEMENT
- 3 NEW 15' PUBLIC WATERLINE EASEMENT
- 4 NEW 20' PUBLIC STORM DRAIN EASEMENT
- 5 EXISTING 20' PUBLIC STORM DRAIN EASEMENT (01-07-2013, DOC #2013001868).
- 6 EXISTING 15' PUBLIC WATERLINE EASEMENT (12-18-2012, DOC #2012133305).
- 7 EXISTING 7' ELECTRIC POWER AND TELEPHONE LINE EASEMENT (01/19/1971, D4-106)
- 8 EXISTING PUBLIC STORM DRAIN EASEMENT (08-27-2013, 2013C-0103M).
- 9 EXISTING 10' PUBLIC STORM DRAIN EASEMENT (01-07-2013, DOC #2013001870).
- 10 NEW 10' PRIVATE DRAINAGE EASEMENT GRANTED TO LOTS 12-16, VOLCANO CLIFFS SUBDIVISION, AND TO BE MAINTAINED BY THE TIBURON HEIGHTS HOME OWNERS ASSOCIATION.
- 11 NEW 6' WIDE PUBLIC SIDEWALK EASEMENT

NOTES

- 1. ALL STATIONING IS BASED ON CENTERLINE.
- 2. ALL FIRE HYDRANTS ARE 4' BURY UNLESS OTHERWISE SPECIFIED.
- 3. ALL METER BOXES ADJACENT TO MOUNTABLE CURB SHALL HAVE HEAVY WEIGHT METER BOX COVER & LID PER COA STD. DWG 2369.
- 4. ALL FIRE HYDRANTS PER COA STD. 2340.
- 5. ALL FIRE HYDRANTS TO HAVE A 6" GATE VALVE & BOX.
- 6. CONTRACTOR TO USE 12" TAR COATED CMP FOR VALVE BOXES.
- 7. CONTRACTOR IS NOT TO INSTALL THE STEPS IN THE SAS MANHOLES.

WATER SHUT-OFF NOTES

- 1. CONTRACTOR SHALL MAKE SHUT OFF REQUEST ONLINE AT <http://abcwua.org/content/view/463/729/>
- 2. VALVES SHALL ONLY BE OPERATED BY WATER AUTHORITY EMPLOYEES.
- 3. CLOSE WATER LINE VALVE (A) LOCATED IN PETIRJO ROAD TO MAKE NECESSARY ON-SITE WATER LINE CONNECTIONS. ALSO CLOSE VALVES (B) AND (C) IN PAPAGAYO ROAD AT AGUILERA STREET AND CANAVIO PLACE INCLUDING VALVES IN PATO STREET AT URRACA STREET AND PAPAGAYO ROAD AT URRACA STREET.
- 4. CONNECT NEW WATERLINES AS NOTED ON CONSTRUCTION PLANS.
- 5. PRESSURE TEST AND DISINFECT NEW WATERLINE AS PER COA STANDARD SPECIFICATIONS - SECTION 801.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	46'
8"	22'	9'	4'	2'	60'
12"	30'	12'	6'	3'	85'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
12"x12"x8"	18'	5'
12"x12"x6"	5'	1'
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

LEGEND

- EXISTING CURB & GUTTER
- EXISTING TRANSFORMER
- EXISTING ELECTRIC CABINET
- EXISTING TRAFFIC MAST
- EXISTING SIGNAL BOX
- EXISTING TELEPHONE MANHOLE
- EXISTING FENCE
- EXISTING UTILITY PEDESTAL
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER SERVICE
- EXISTING UNDERGROUND FIBER OPTIC LINE
- EXISTING UNDERGROUND WATER LINE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING STORM DRAIN LINE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EASEMENT LINE
- NEW CENTERLINE
- NEW STORM DRAIN
- NEW STORM DRAIN INLET
- NEW STORM DRAIN MANHOLE
- NEW SANITARY SEWER LINE
- NEW SANITARY SEWER MANHOLE
- NEW SANITARY SEWER SERVICE LINE
- NEW WATERLINE
- NEW WATERLINE CROSS
- NEW WATERLINE TEE
- NEW WATERLINE CAP
- NEW WATERLINE BEND
- NEW FIRE HYDRANT
- NEW GATE VALVE & BOX
- NEW WATER METER SERVICES *
- NEW IRRIGATION SERVICE
- NEW LOT ADDRESS

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, Diane Hoelzer, NMPE 11967, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by Russ Hugg NMPS number 9750.

Diane Hoelzer 5-29-15

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:
**TIBURON HEIGHTS
MASTER UTILITY PLAN**

DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

MO./DAY/YR.
MO./DAY/YR.

CITY PROJECT NO.
790681

ZONE MAP NO.
D-10-2

SHEET
OF
7A 10

REMARKS

NO. DATE

BY

DESIGNED BY
JMM

DRAWN BY
DER

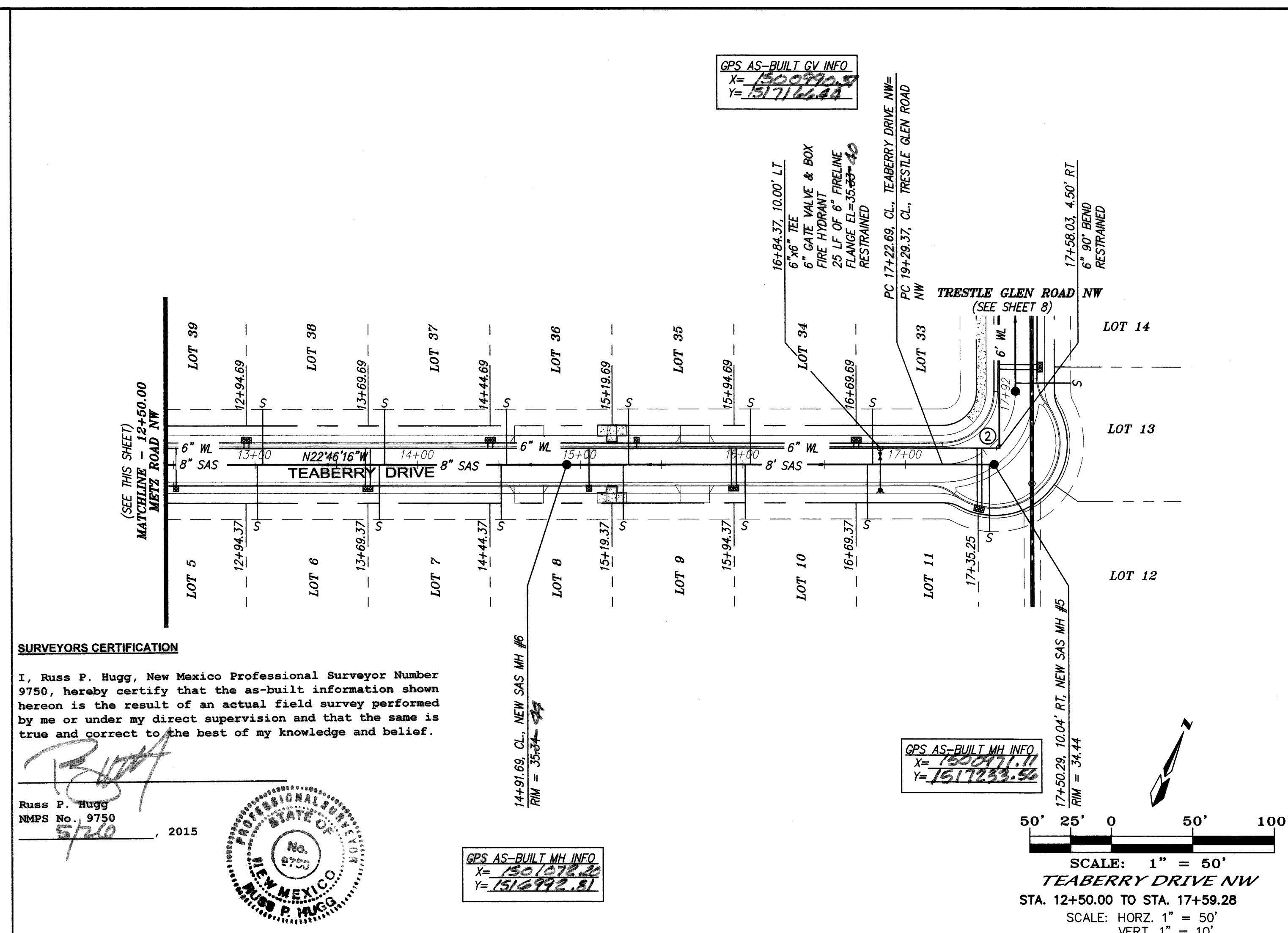
CHECKED BY
DWG

REVISIONS

DESIGN

DATE
07/13

DATE
07/13



NOTES

1. ALL STATIONING IS BASED ON THE CENTERLINE OF PUBLIC ROADWAY.
2. STORM DRAIN INLETS SHALL BE INSTALLED PER C.O.A. STD. DWG. #2205 AND GRATES PER C.O.A. STD DWG. # 2220.

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta=90^{\circ}00'00''$ L=70.69 R=45.00 Tan=45.00	② $\Delta=90^{\circ}00'00''$ L=70.69 R=45.00 Tan=45.00
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SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
..	1	10+49.00	25.59	34.00'
..	2	11+14.00	25.99	34.00'
..	3	11+80.38	26.54	40.05'
..	4	12+07.96	26.60	36.42'
..	5	12+35.08	26.81	38.24'
..	6	13+01.37	27.16	34.00'
..	7	13+76.37	27.64	34.00'
..	8	14+51.37	28.09	34.00'
..	9	15+26.37	28.56	34.00'
..	10	16+01.37	29.01	34.00'
..	11	16+76.37	29.47	34.00'
..	12	17+37.06	29.99	41.73'
..	33	16+79.69	29.48	34.00'
..	34	16+04.69	29.03	34.00'
..	35	15+29.69	28.58	34.00'
..	36	14+54.69	28.13	34.00'
..	37	13+79.69	27.64	34.00'
..	38	13+04.69	27.19	34.00'
..	39	12+41.69	26.77	34.00'

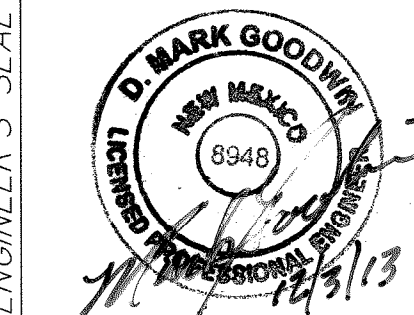
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SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
..	1	10+49.00	25.59	34.00'
..	2	11+14.00	25.59	34.00'
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..	10	16+01.37	29.01	34.00'
..	11	16+76.37	29.47	34.00'
..	12	17+57.06	29.99	41.73'
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..	34	16+04.69	29.03	34.00'
..	35	15+29.69	28.58	34.00'
..	36	14+54.69	28.13	34.00'
..	37	13+79.69	27.64	34.00'
..	38	13+04.69	27.19	34.00'
..	39	12+24.69	26.77	34.00'

SURVEY INFORMATION									
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ENGINEER'S SEAL



CERTIFICATE OF SUBSTANTIAL COMPLIANCE

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: /

***TIBURON HEIGHTS
METZ ROAD AND TEABERRY DRIVE NW
UTILITY PLAN AND PROFILE***

DESIGN REVIEW COMMITTEE

APPROVE

AUG 13 2014

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

APPROVED

DEC 3 2 2014

CITY ENGINEER

LAST DESIGN UPDATE

MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO

ZONE MAP NC

0.	SHEET	OF
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790681

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NOTES

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 $L=70.69$
 $R=45.00$
 $Tan=45.00$
- ② $\Delta=90^{\circ}00'00"$
 $L=70.69$
 $R=45.00$
 $Tan=45.00$

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
-	1-P1	10+49.00	25.59	34.54'
-	2-P1	11+14.00	25.99	33.50'
-	3-P1	11+80.38	26.54	40.06'
-	4-P1	12+07.96	26.60	36.42'
-	5-P1	12+35.08	26.81	36.24'
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-	33-P1	16+79.69	29.48	33.50'
-	34-P1	16+04.69	29.03	33.50'
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-	36-P1	14+54.69	28.13	33.50'
-	37-P1	13+79.69	27.64	33.50'
-	38-P1	13+04.69	27.19	33.50'
-	39-P1	12+41.69	26.77	33.50'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, Diane Hoelzer, NMPE 11967, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by Russ Hugg NMPS number 9750.

Diane Hoelzer 5-29-15

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **TIBURON HEIGHTS
METZ ROAD AND TEABERRY DRIVE NW
UTILITY PLAN AND PROFILE**

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

CITY PROJECT NO.

ZONE MAP NO.

SHEET OF

790681

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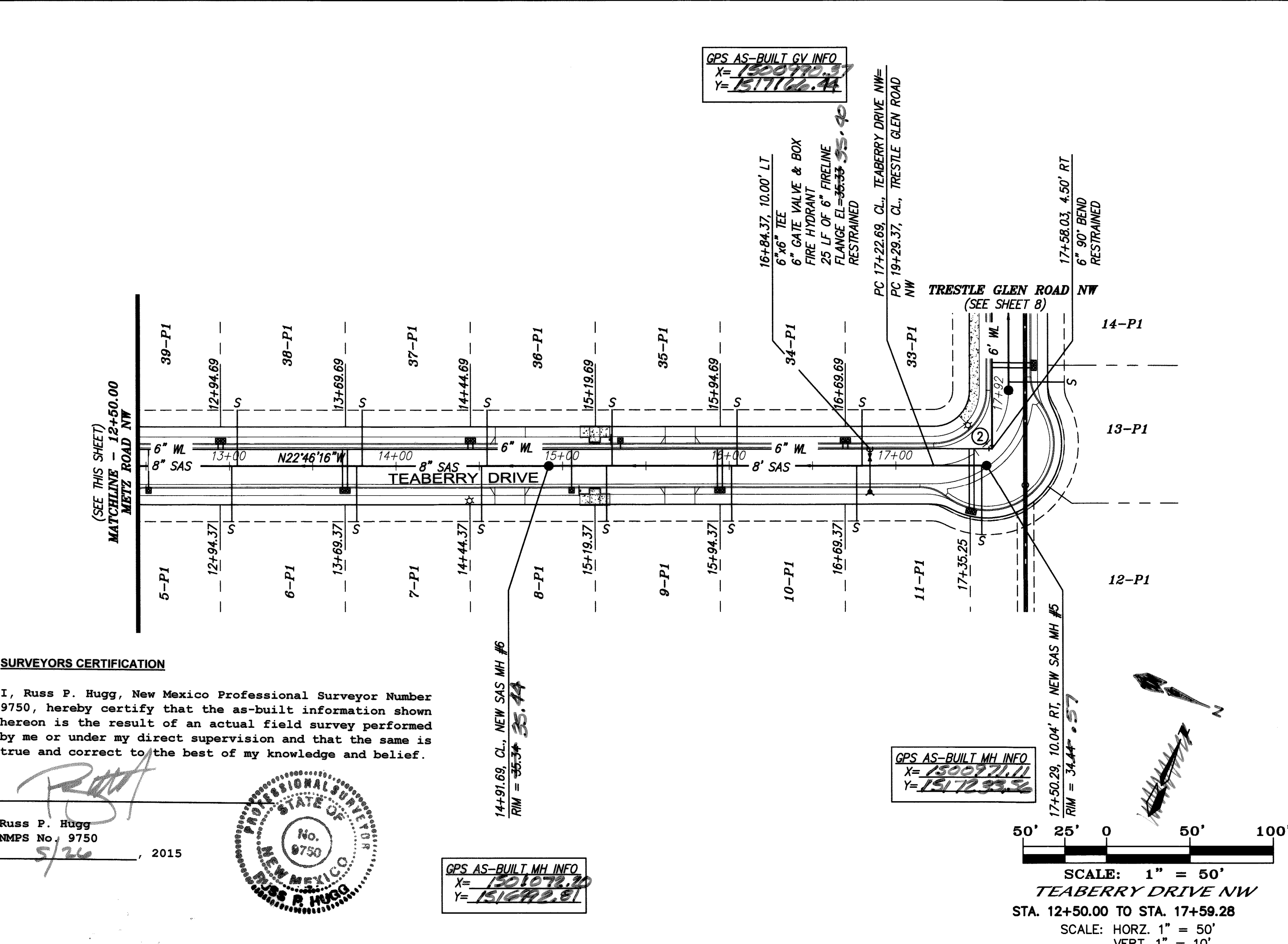
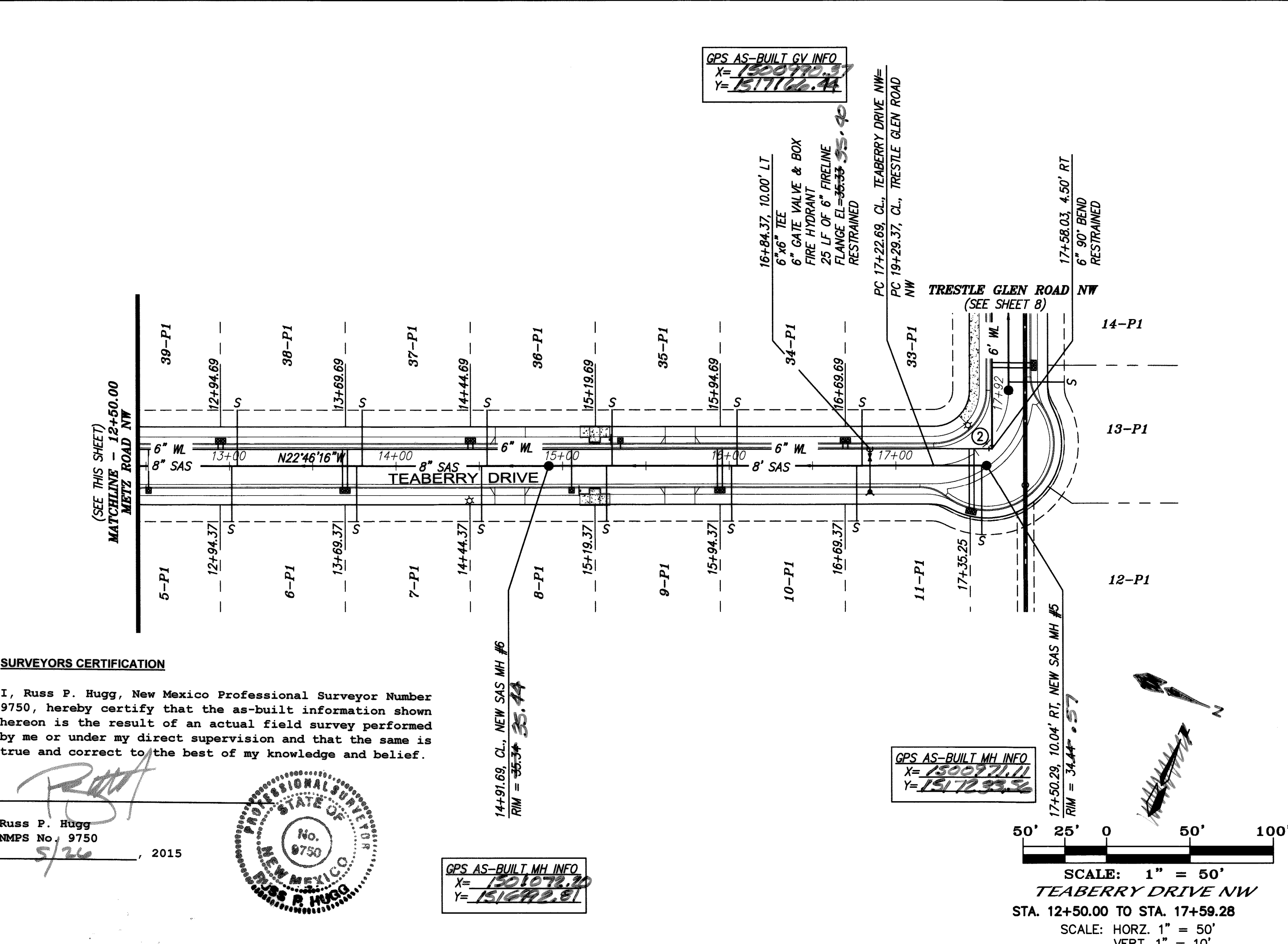
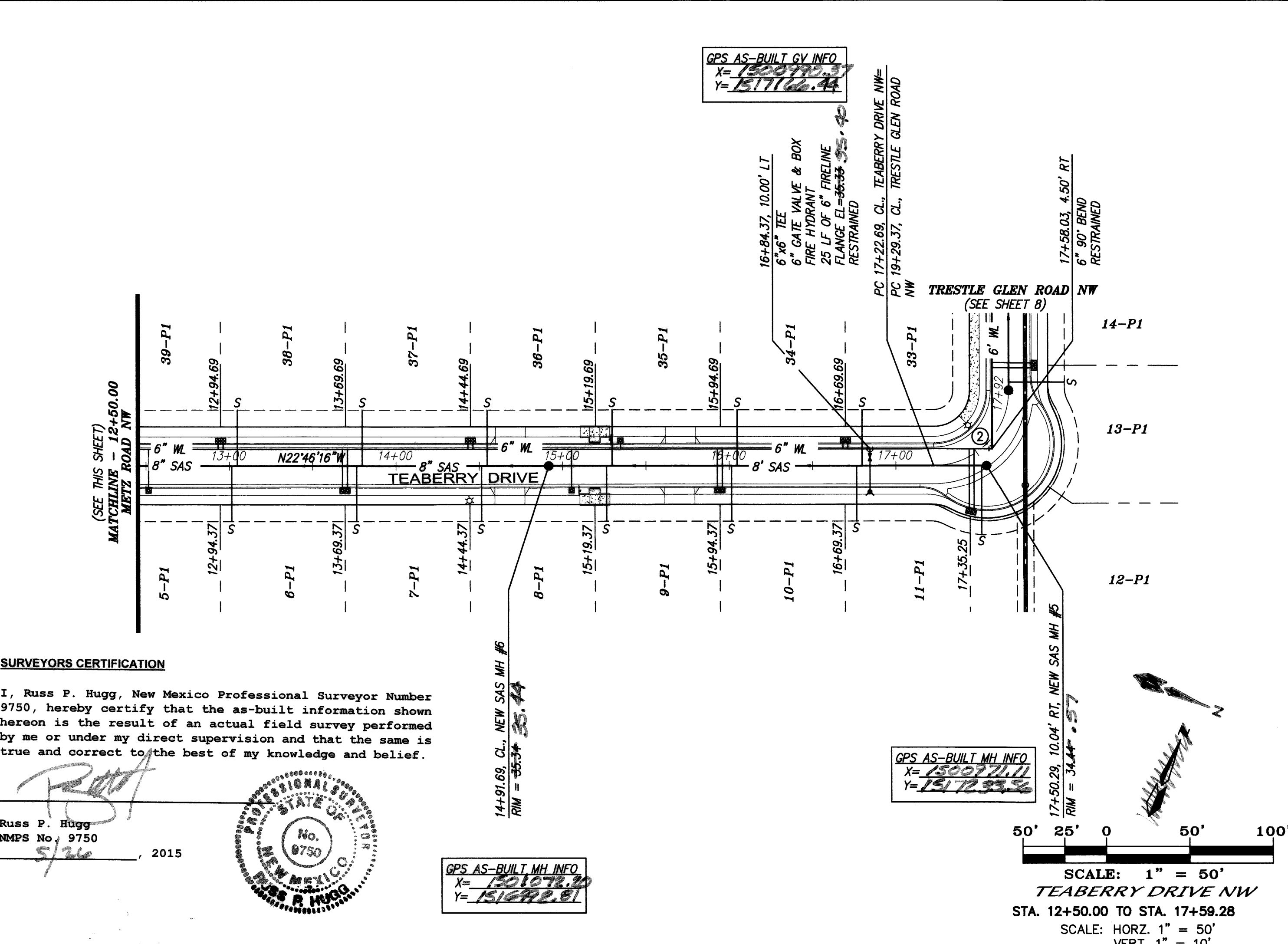
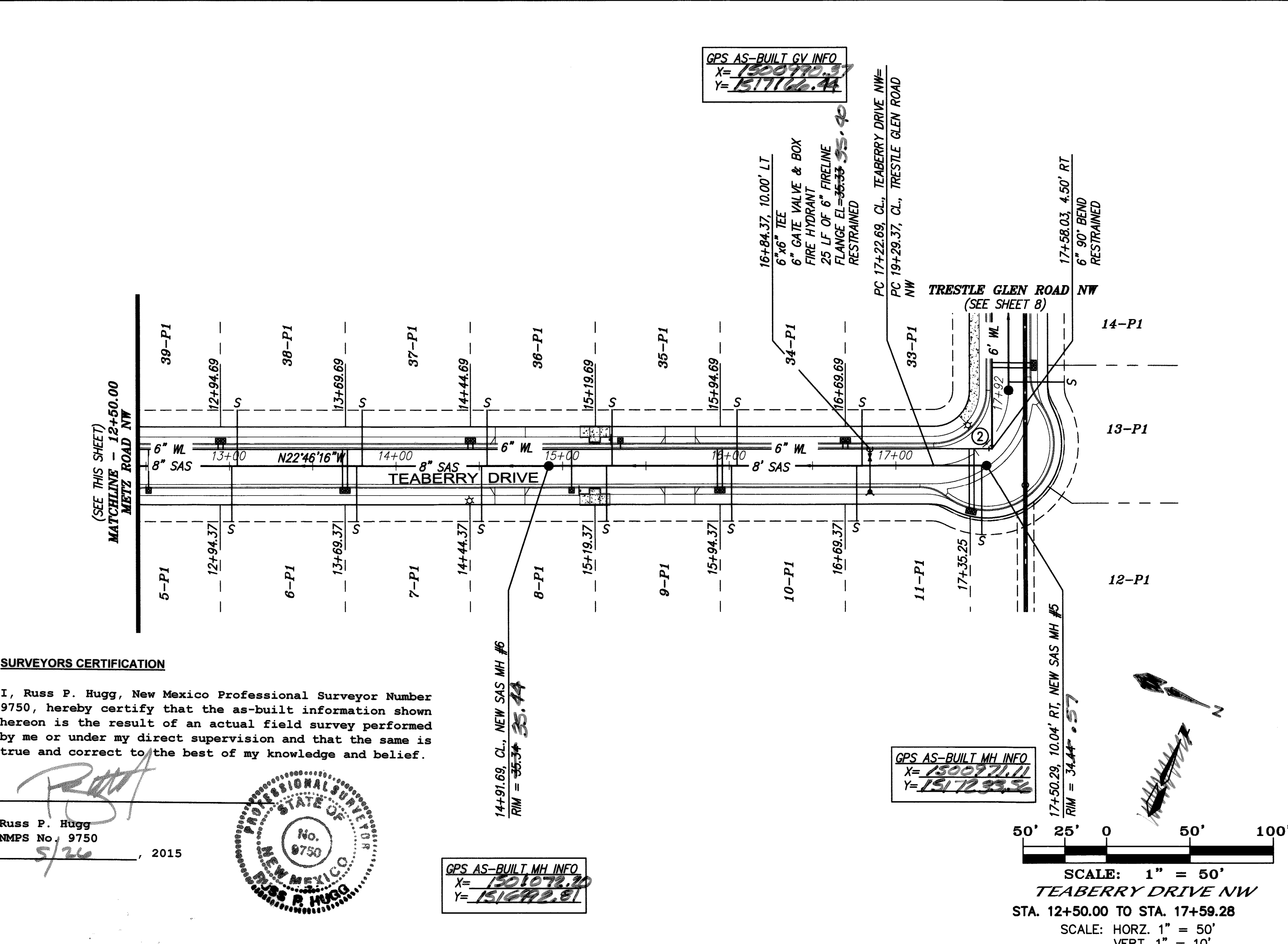
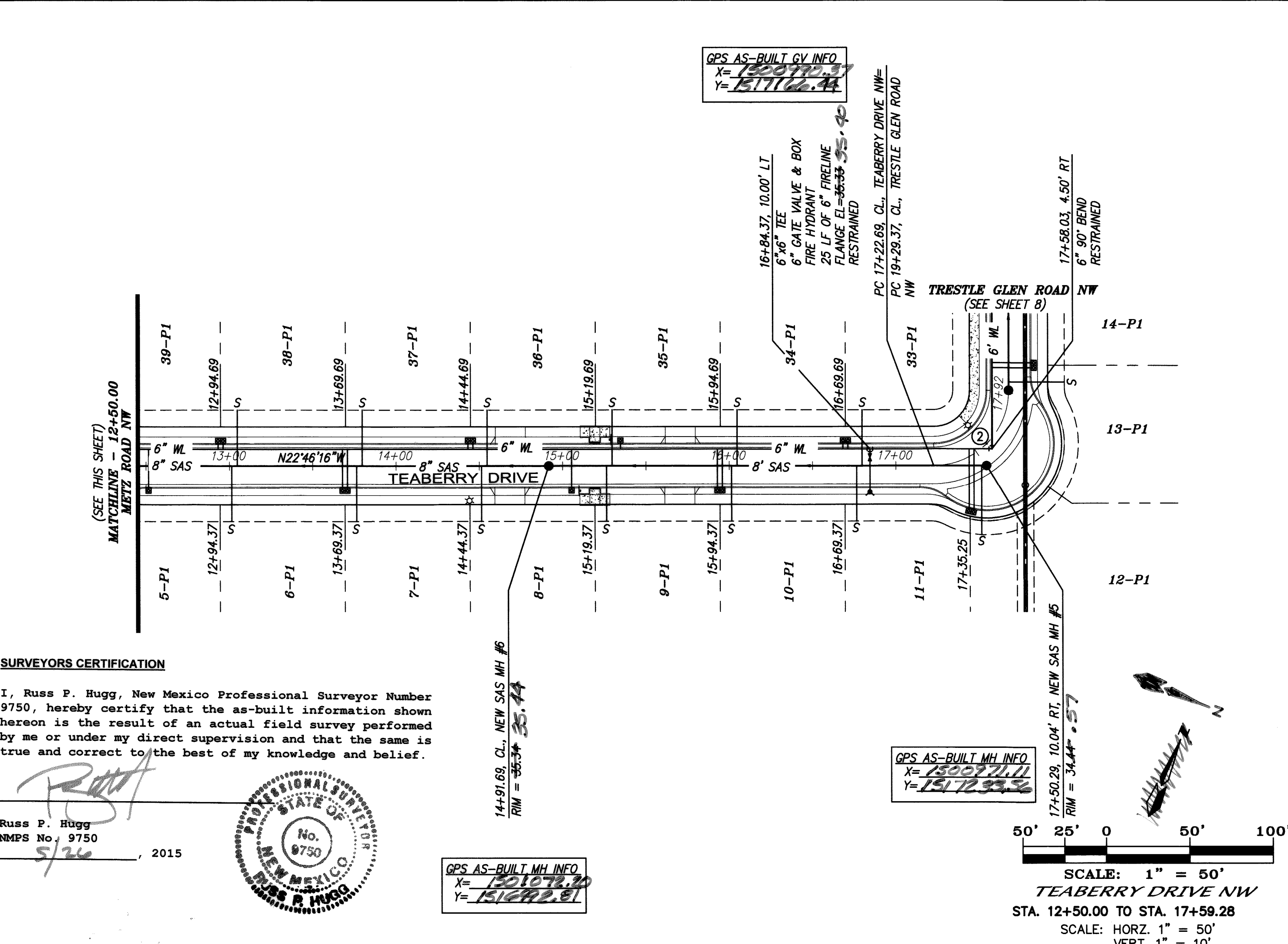
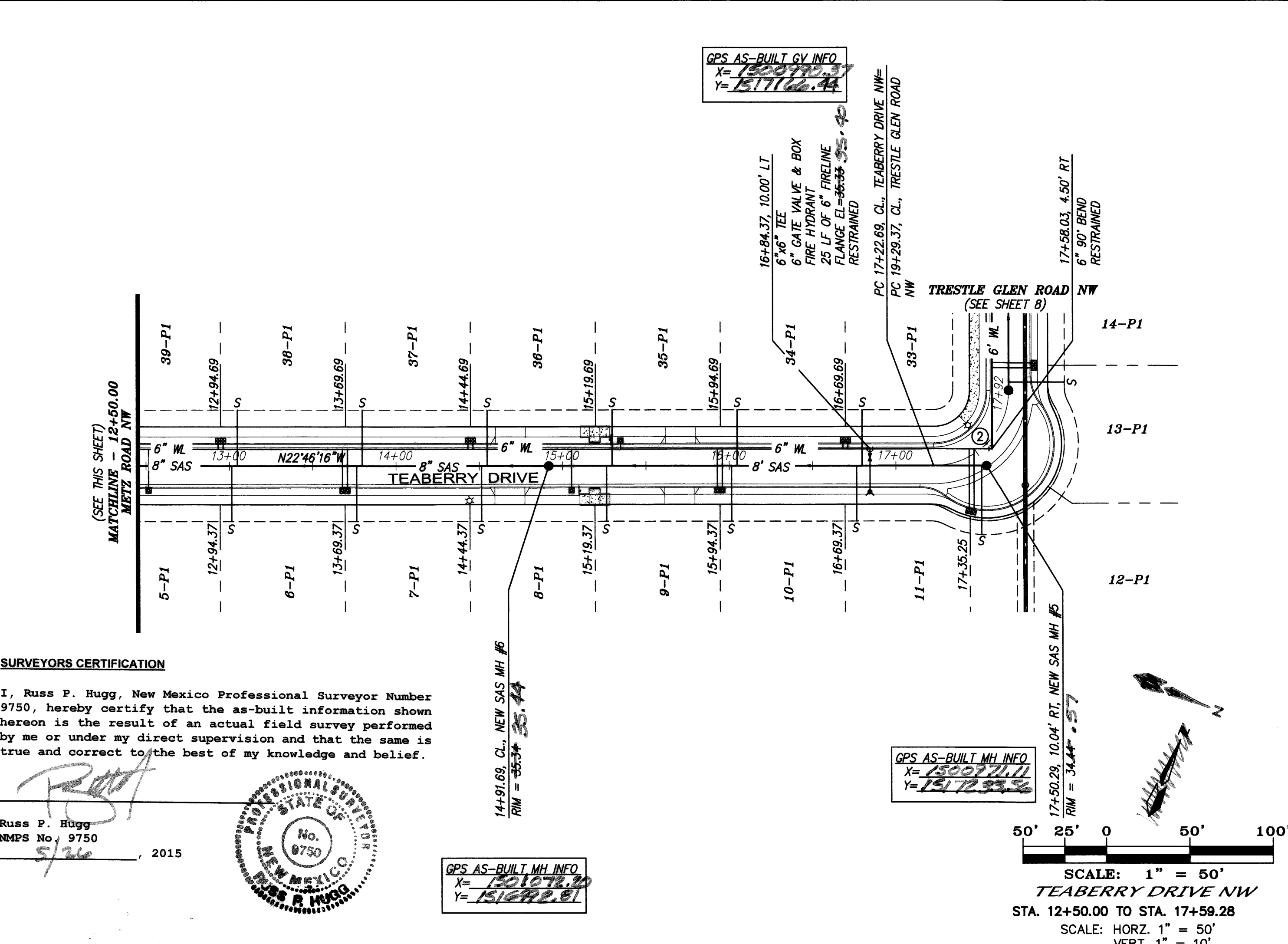
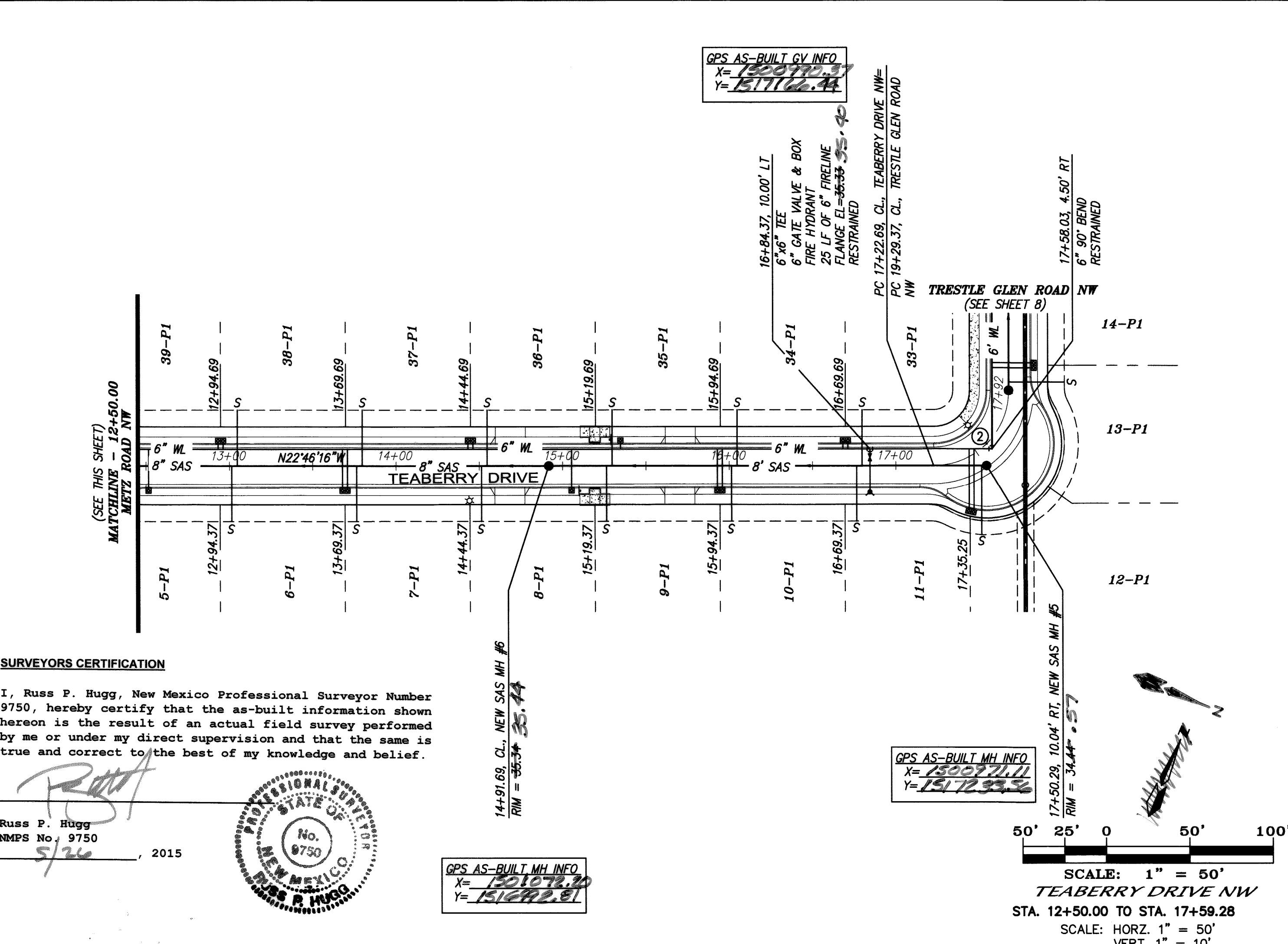
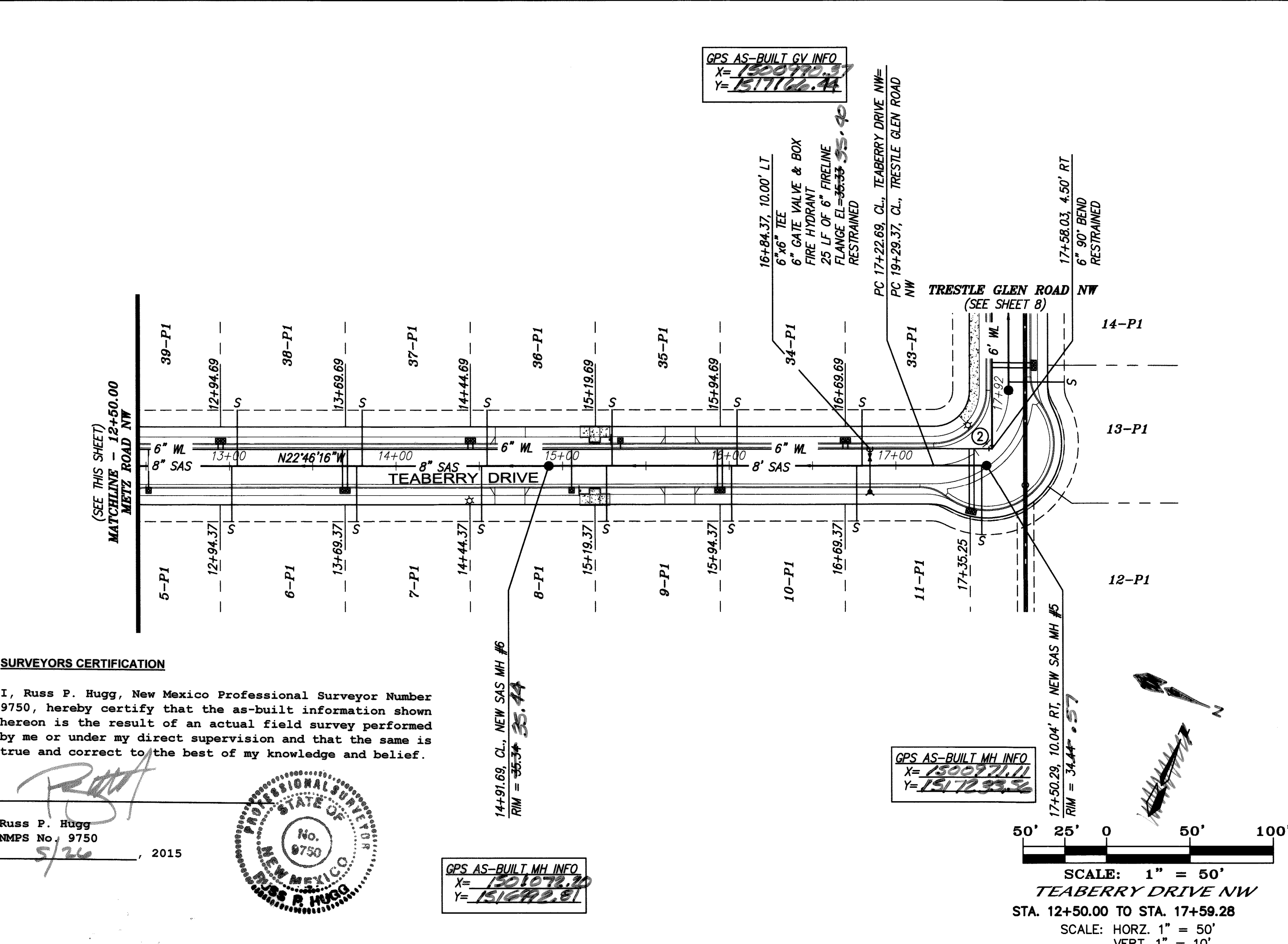
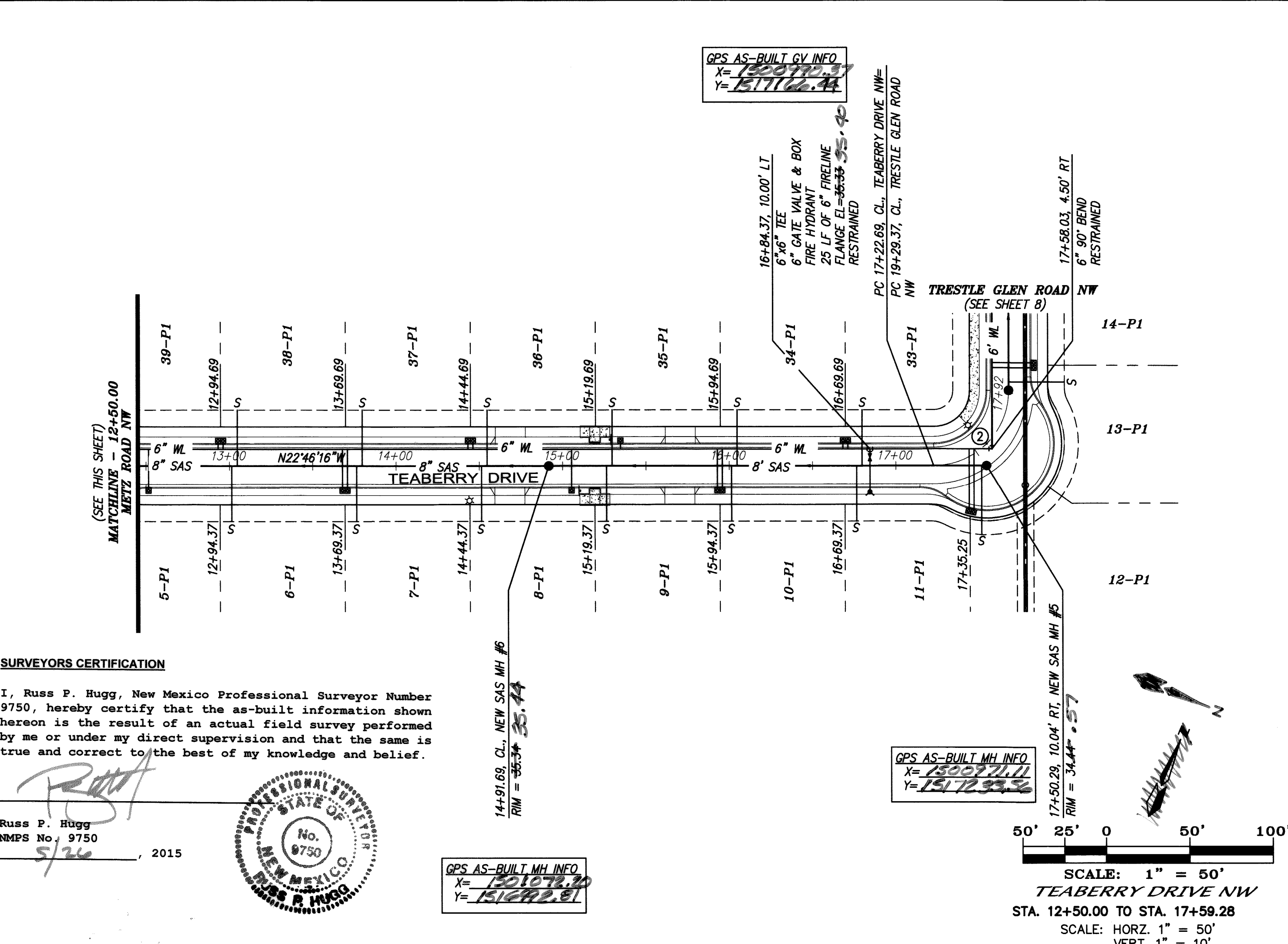
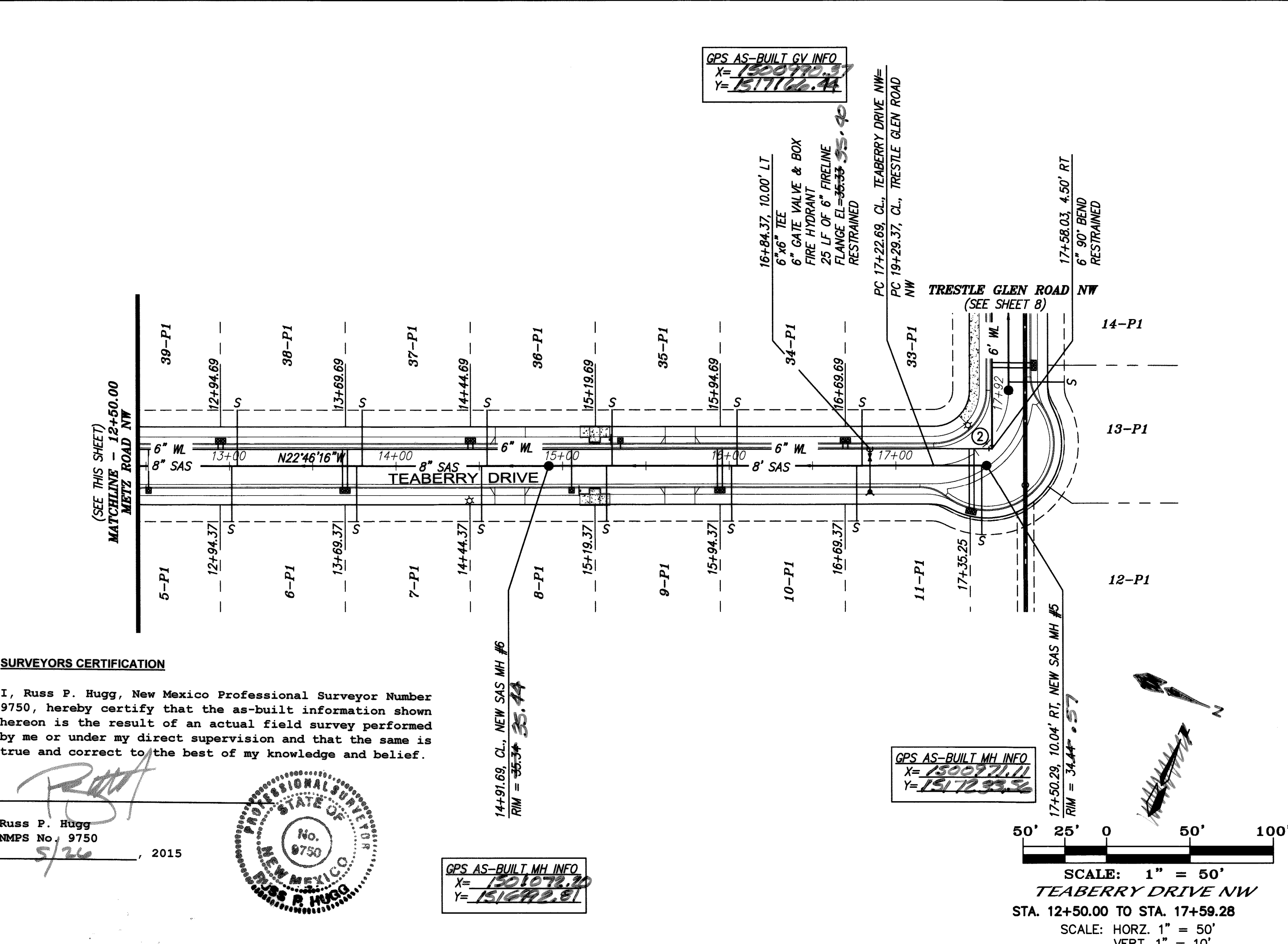
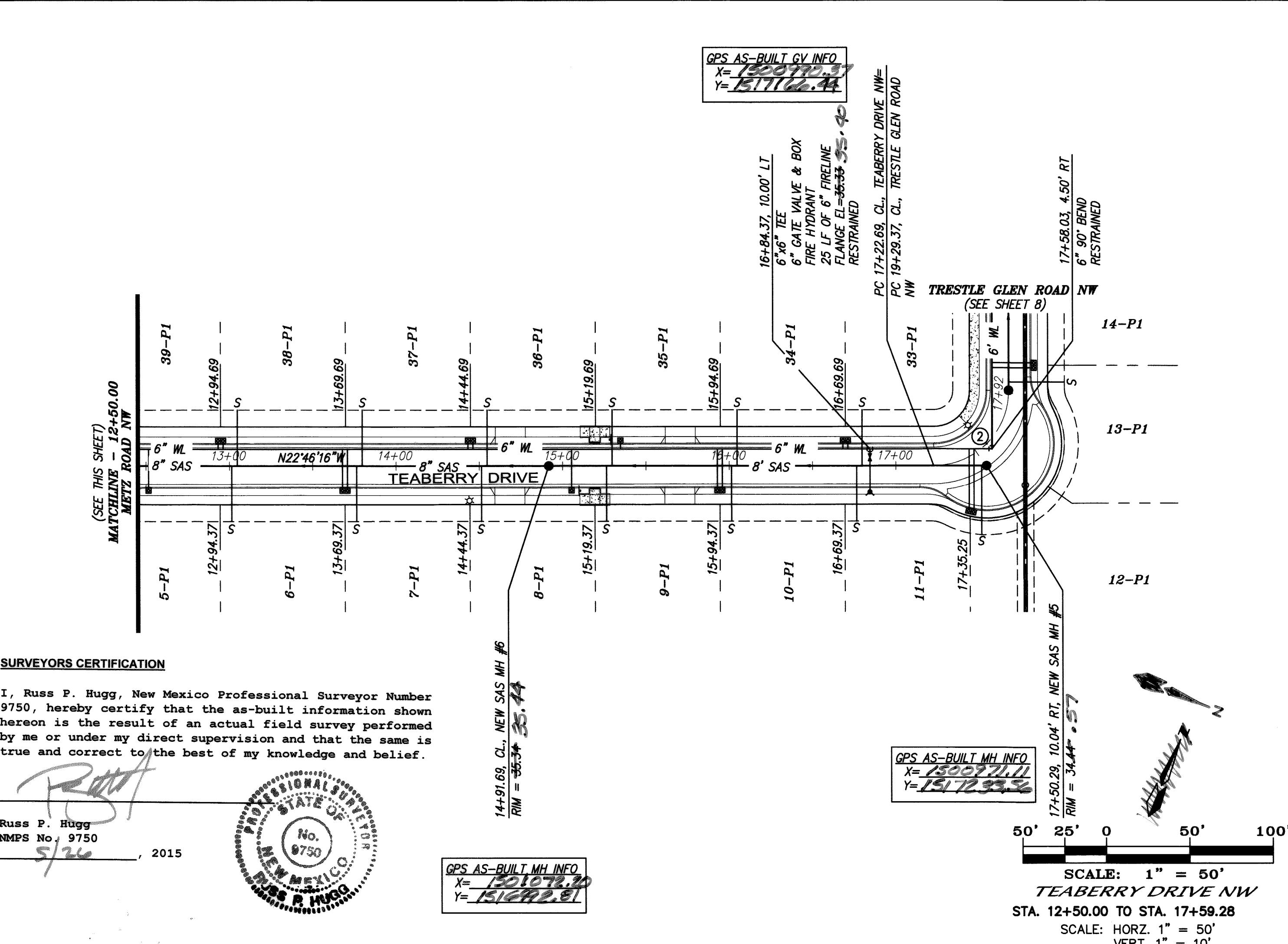
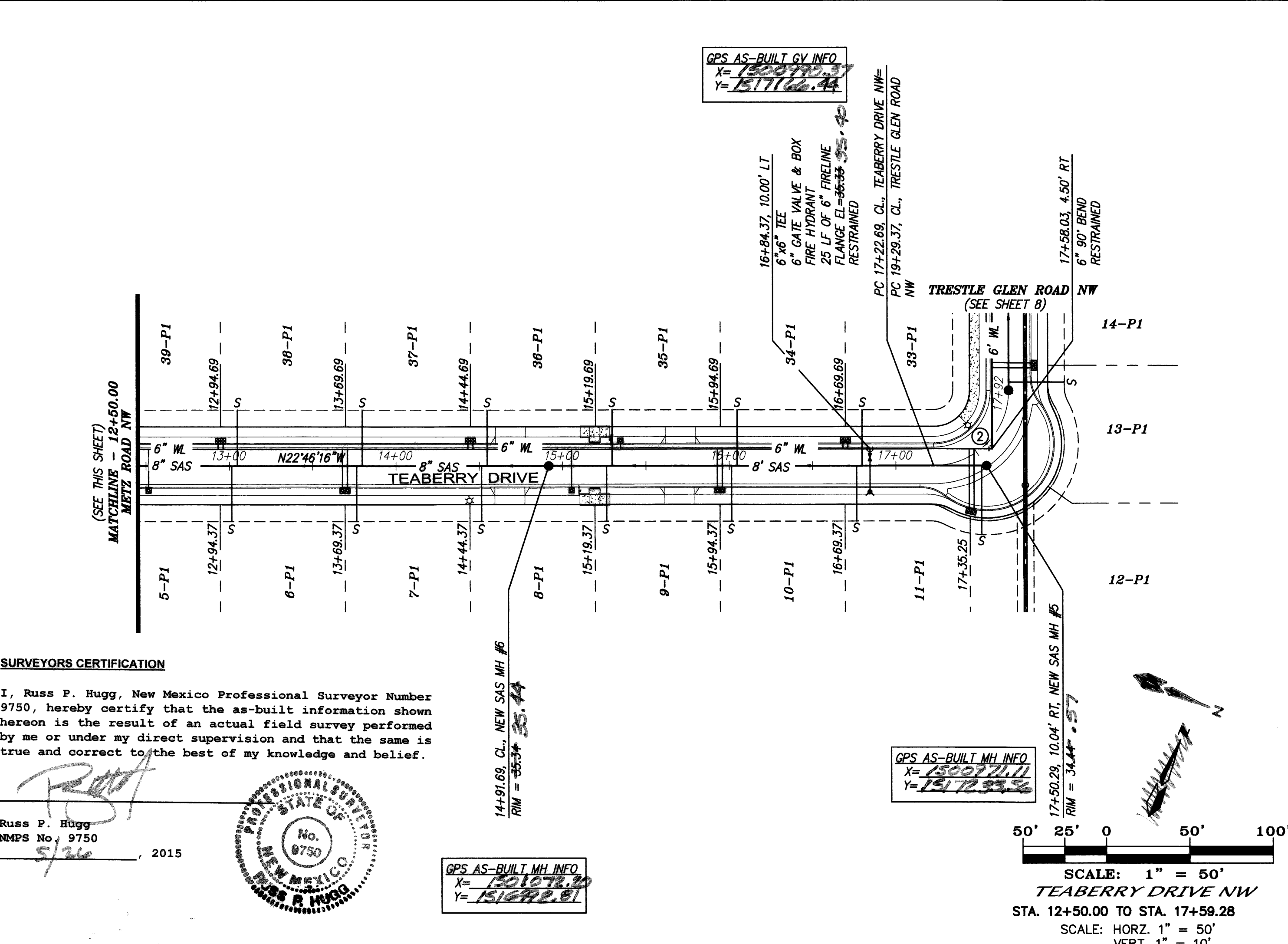
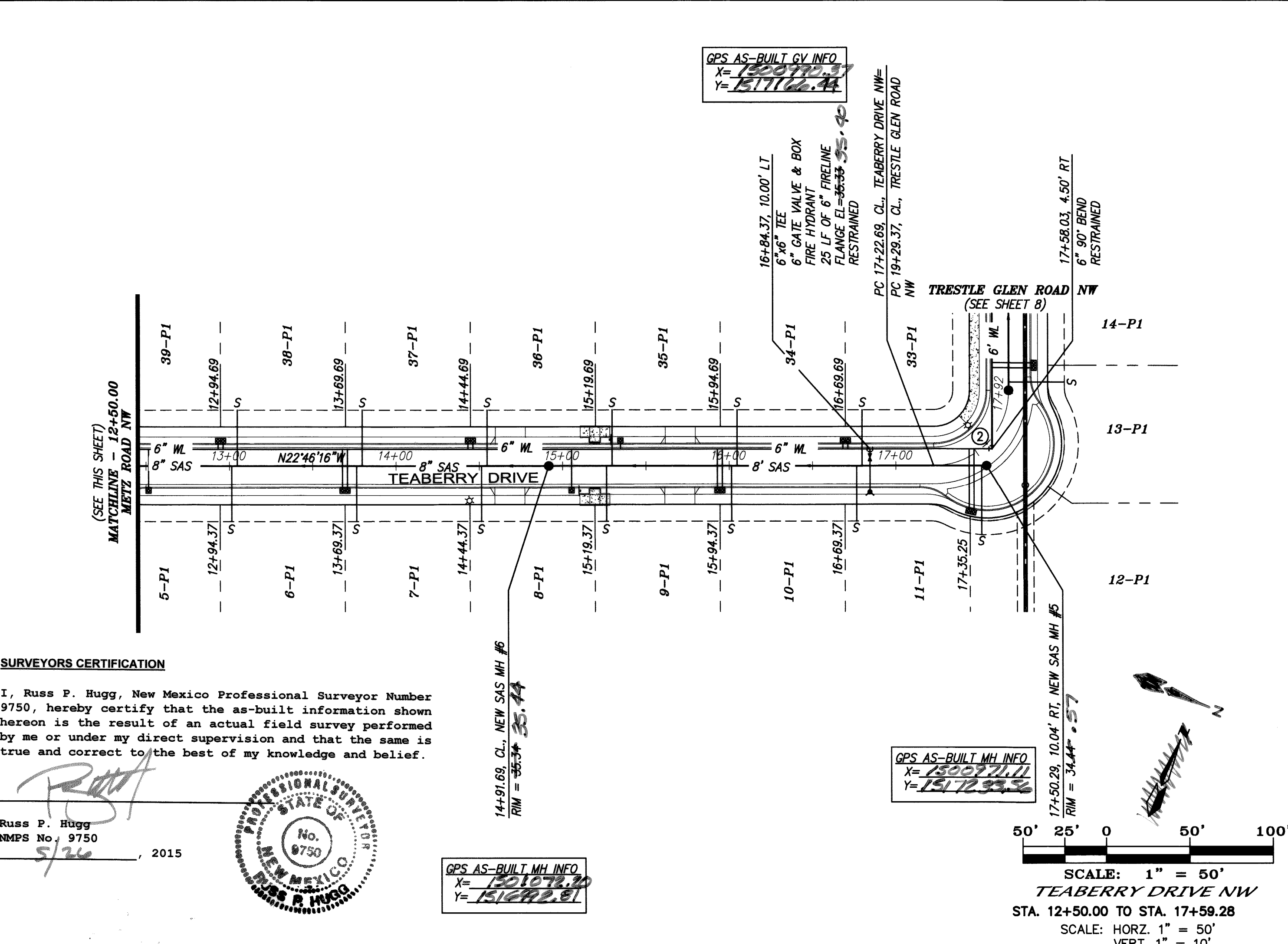
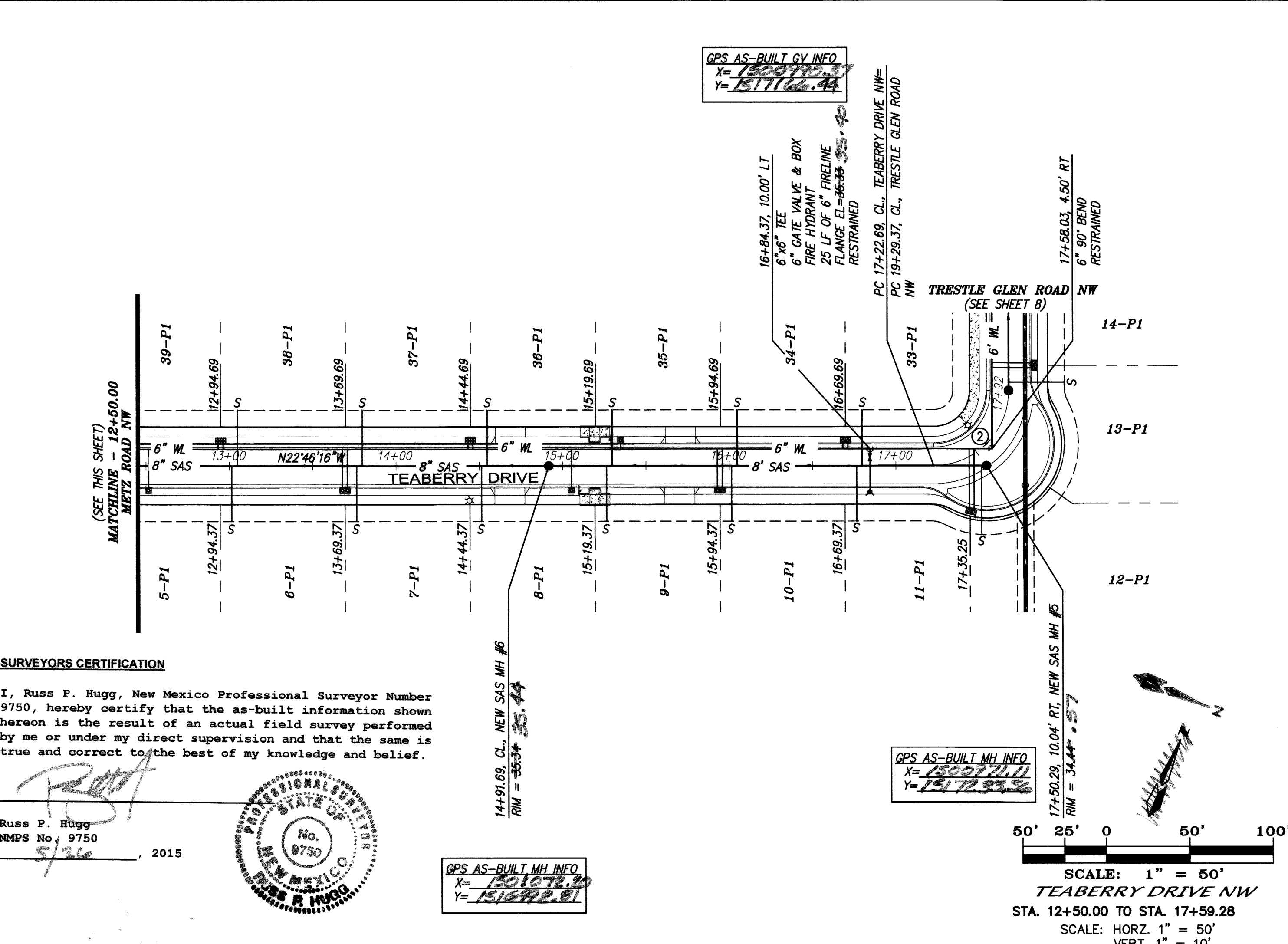
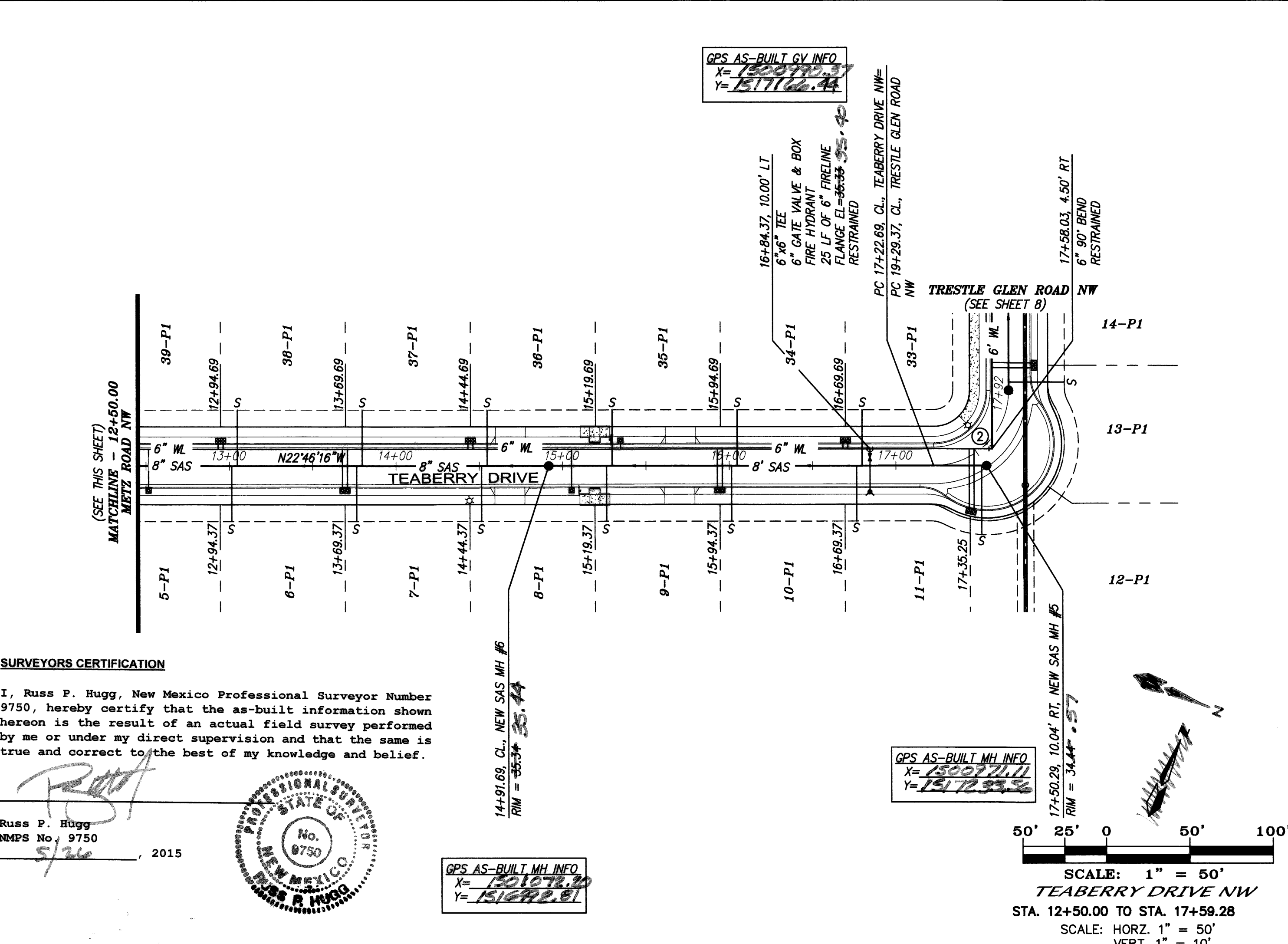
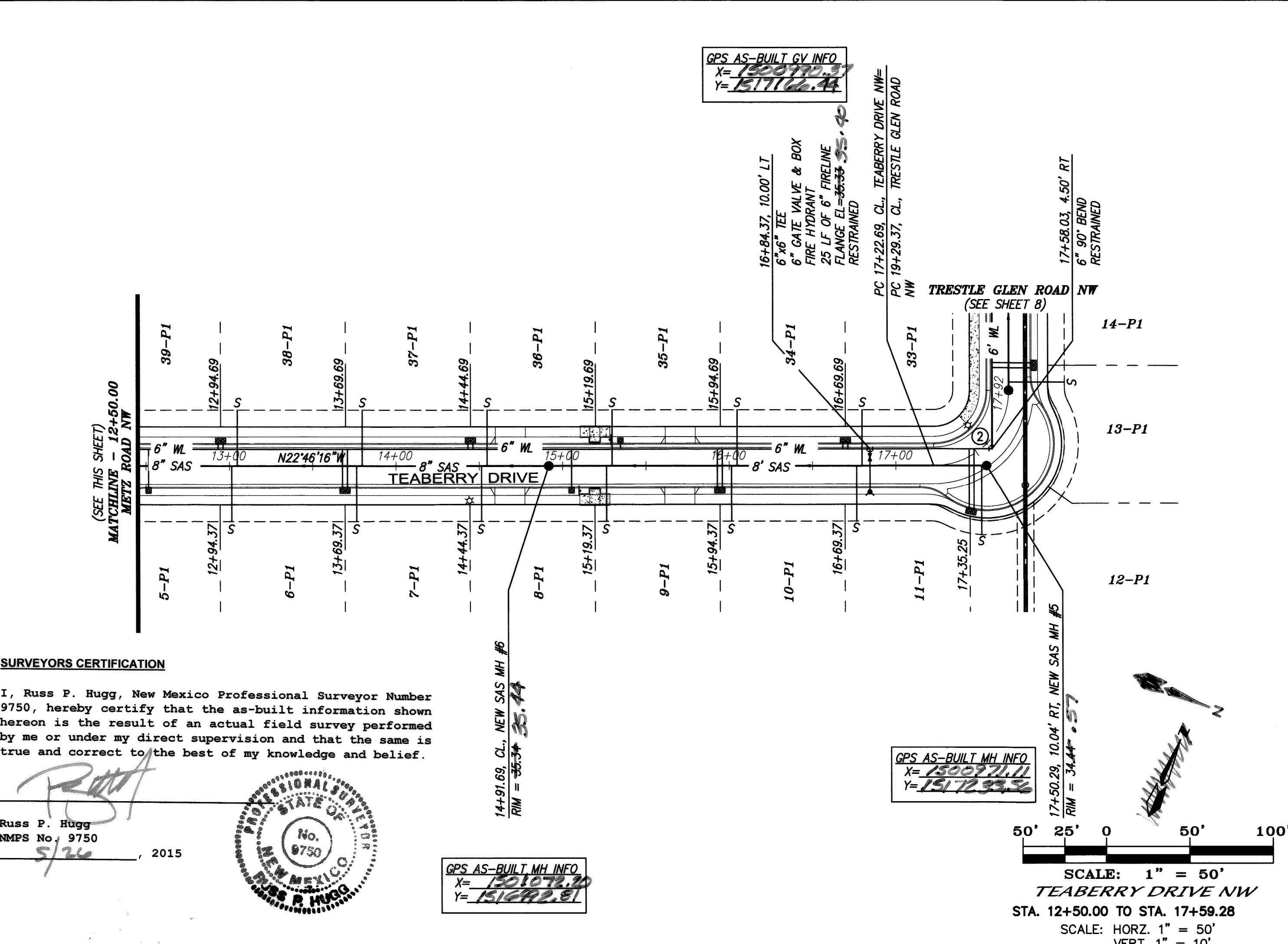
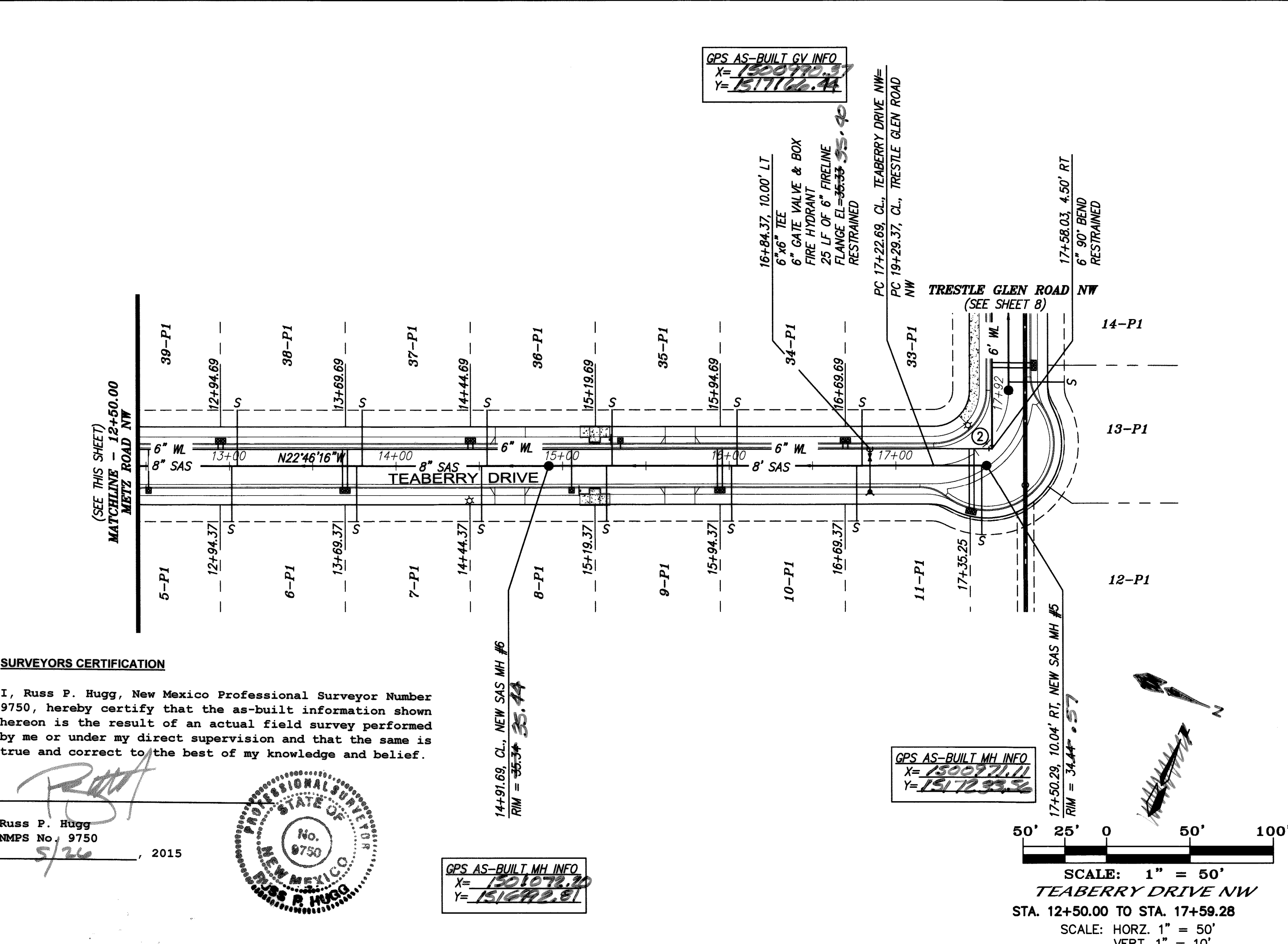
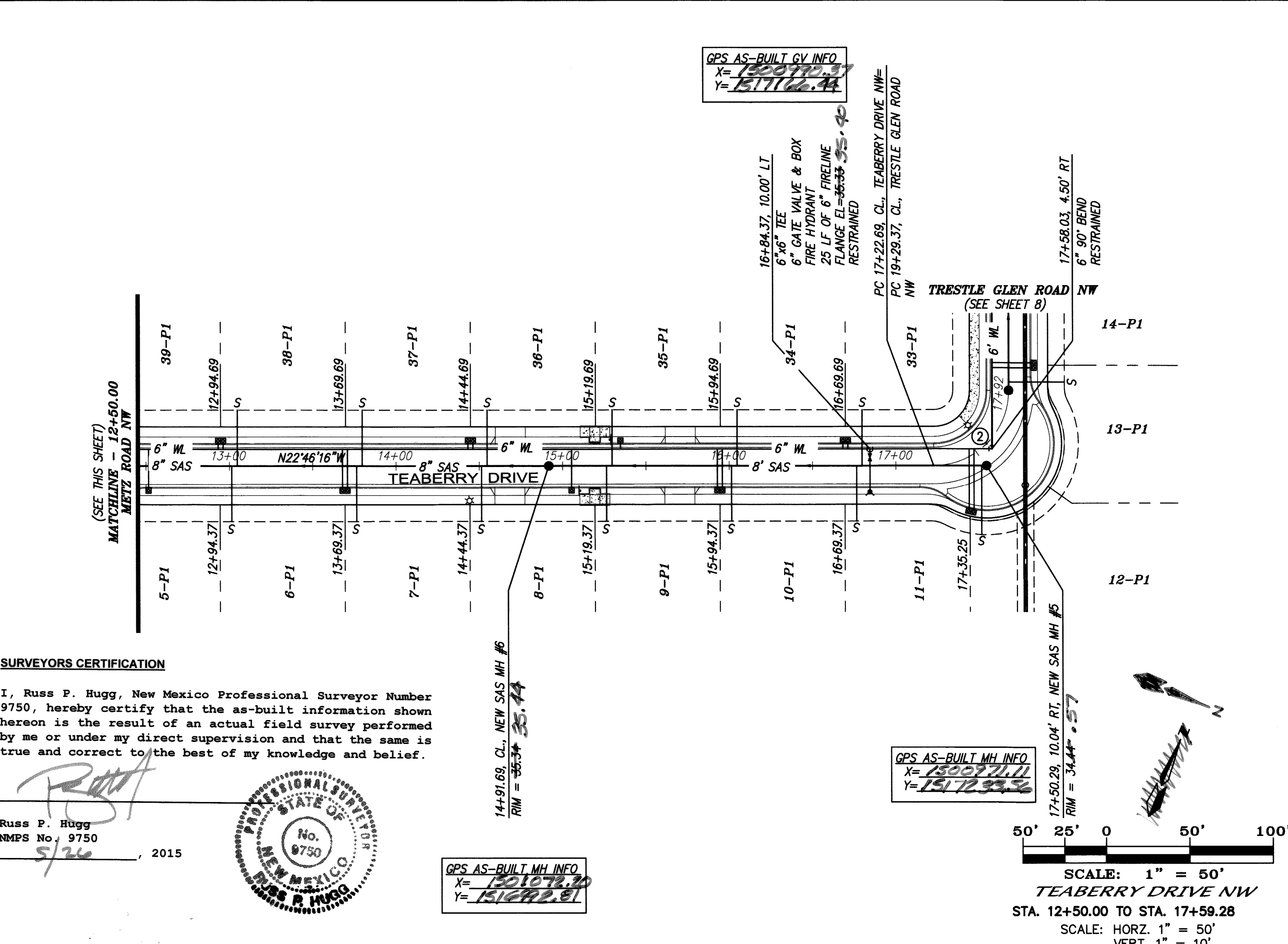
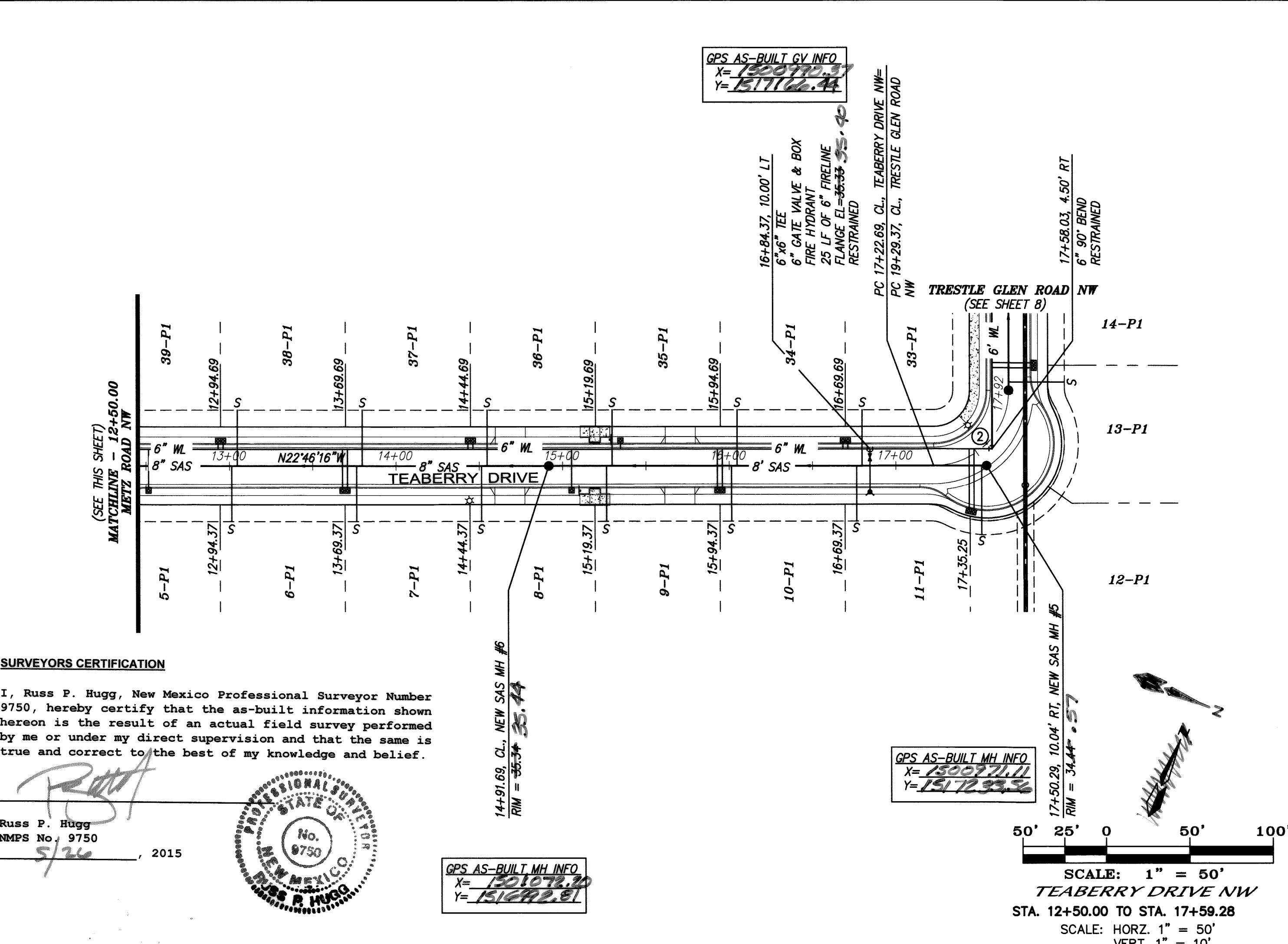
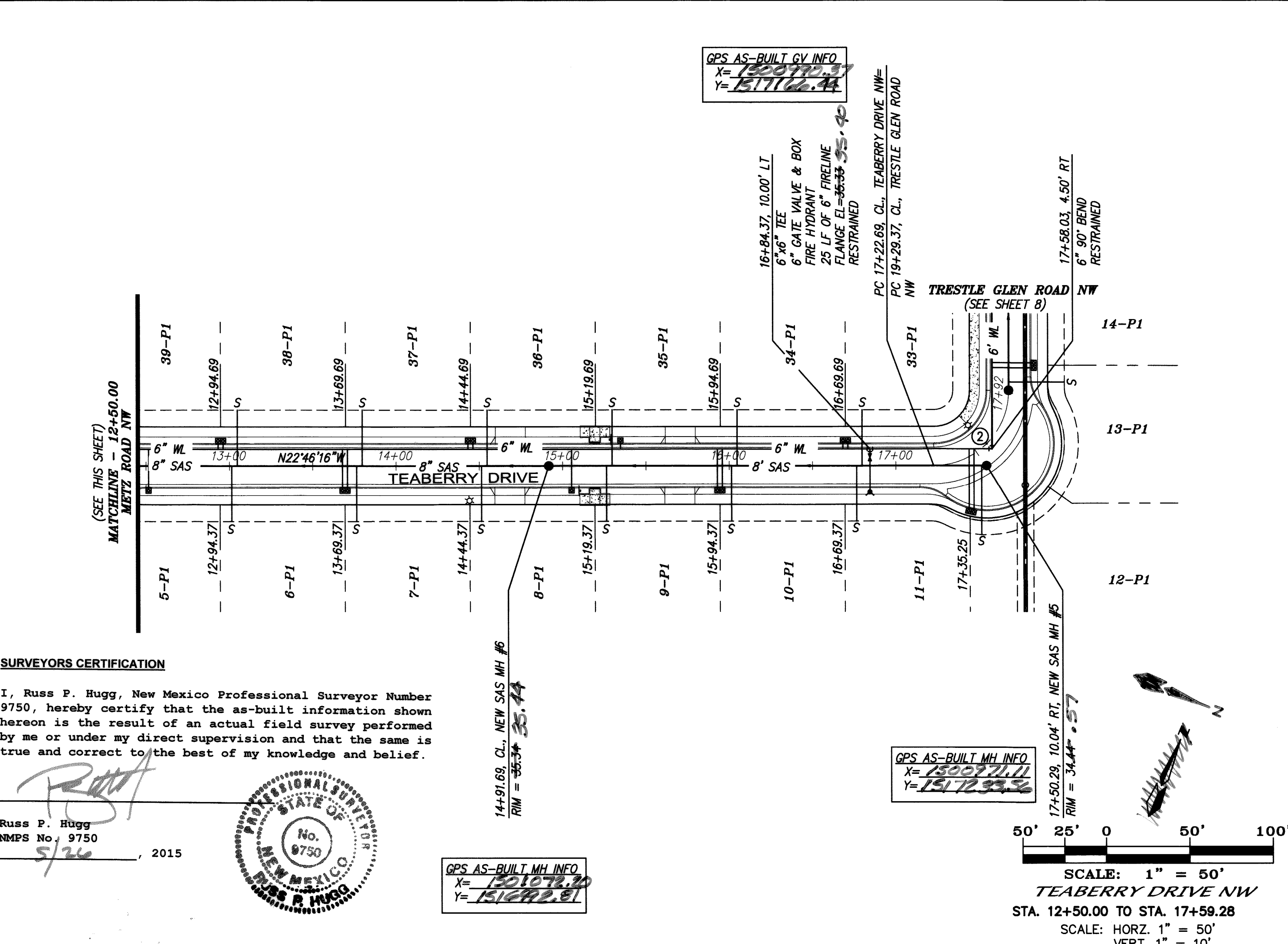
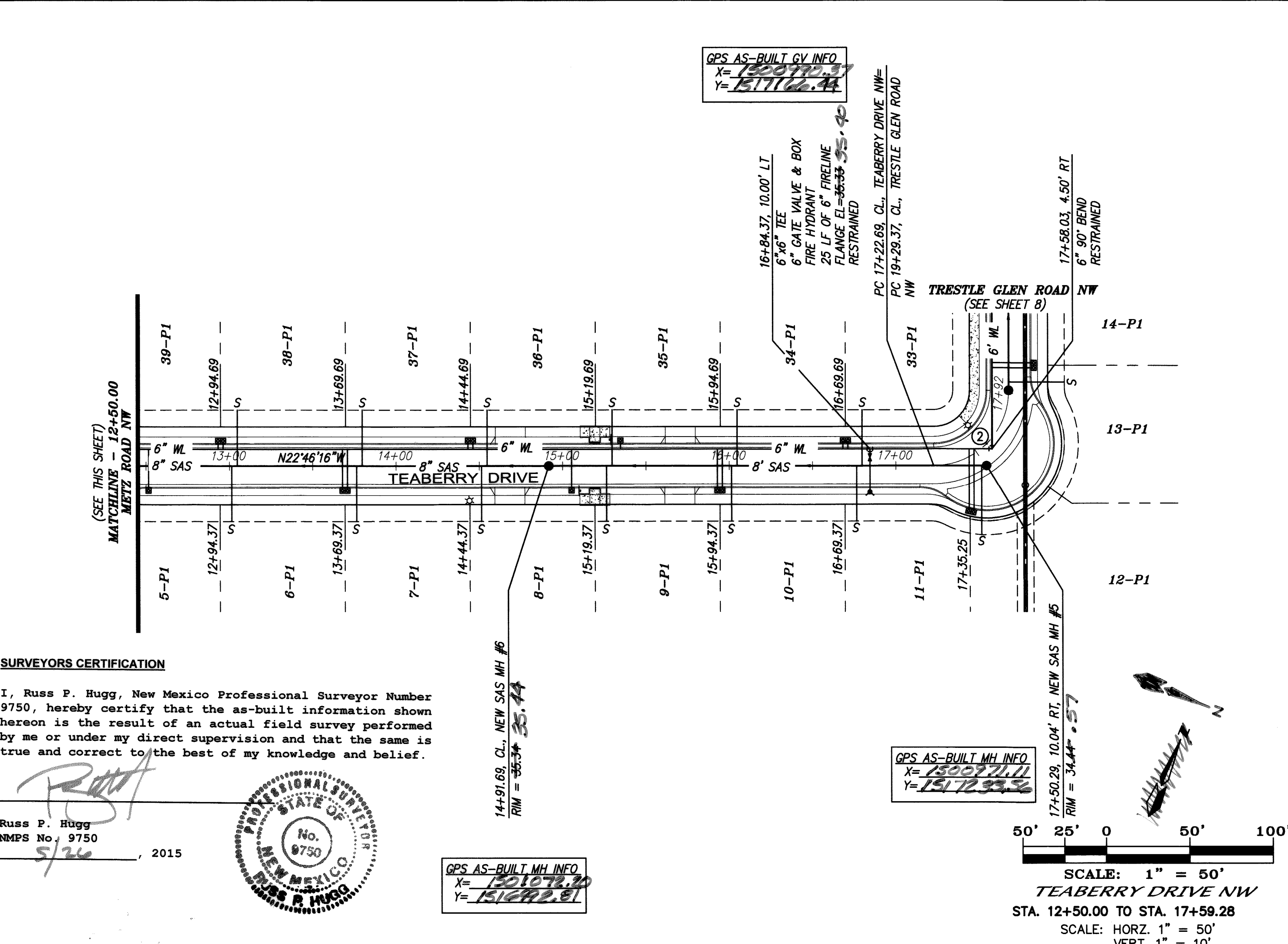
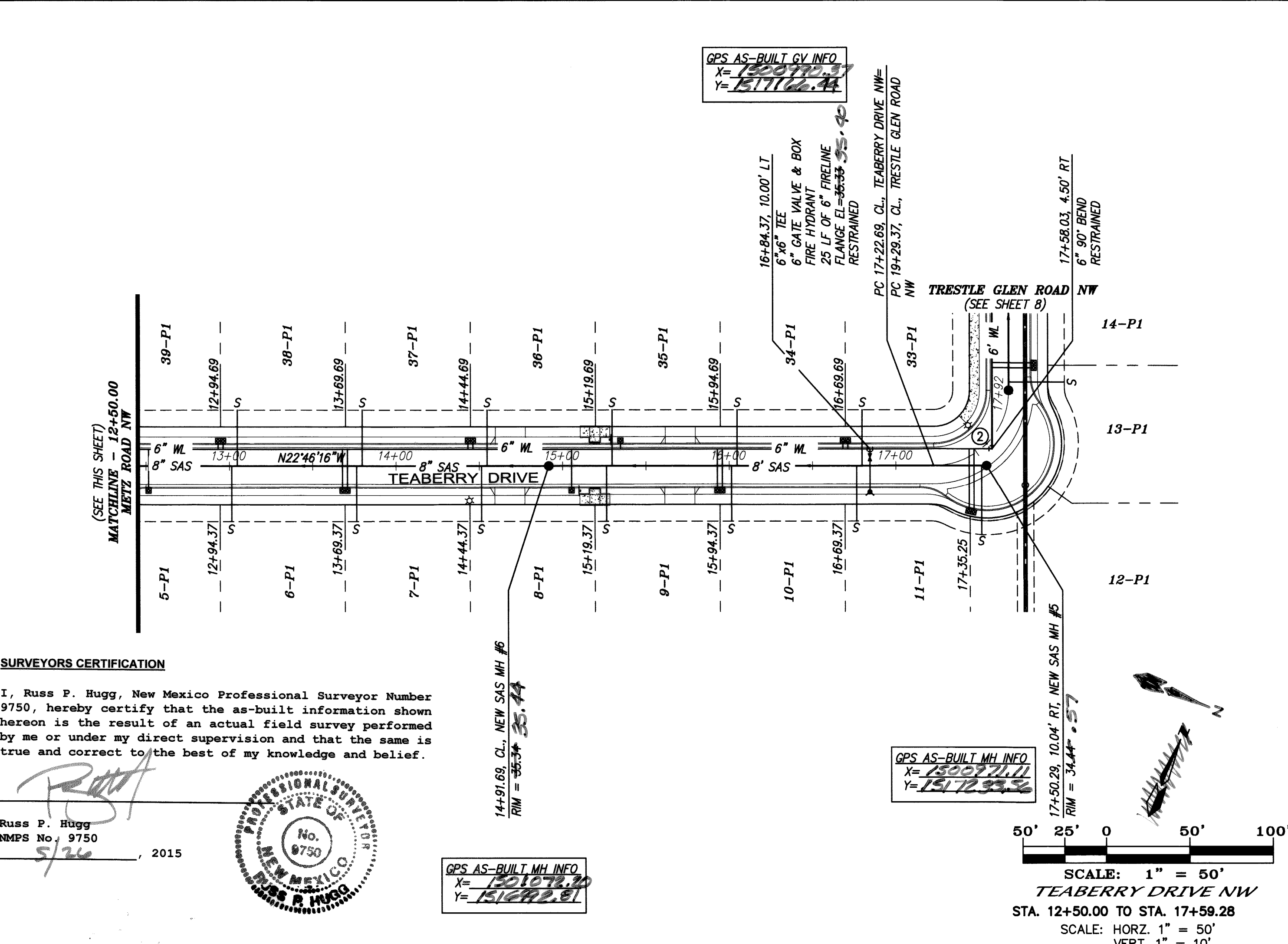
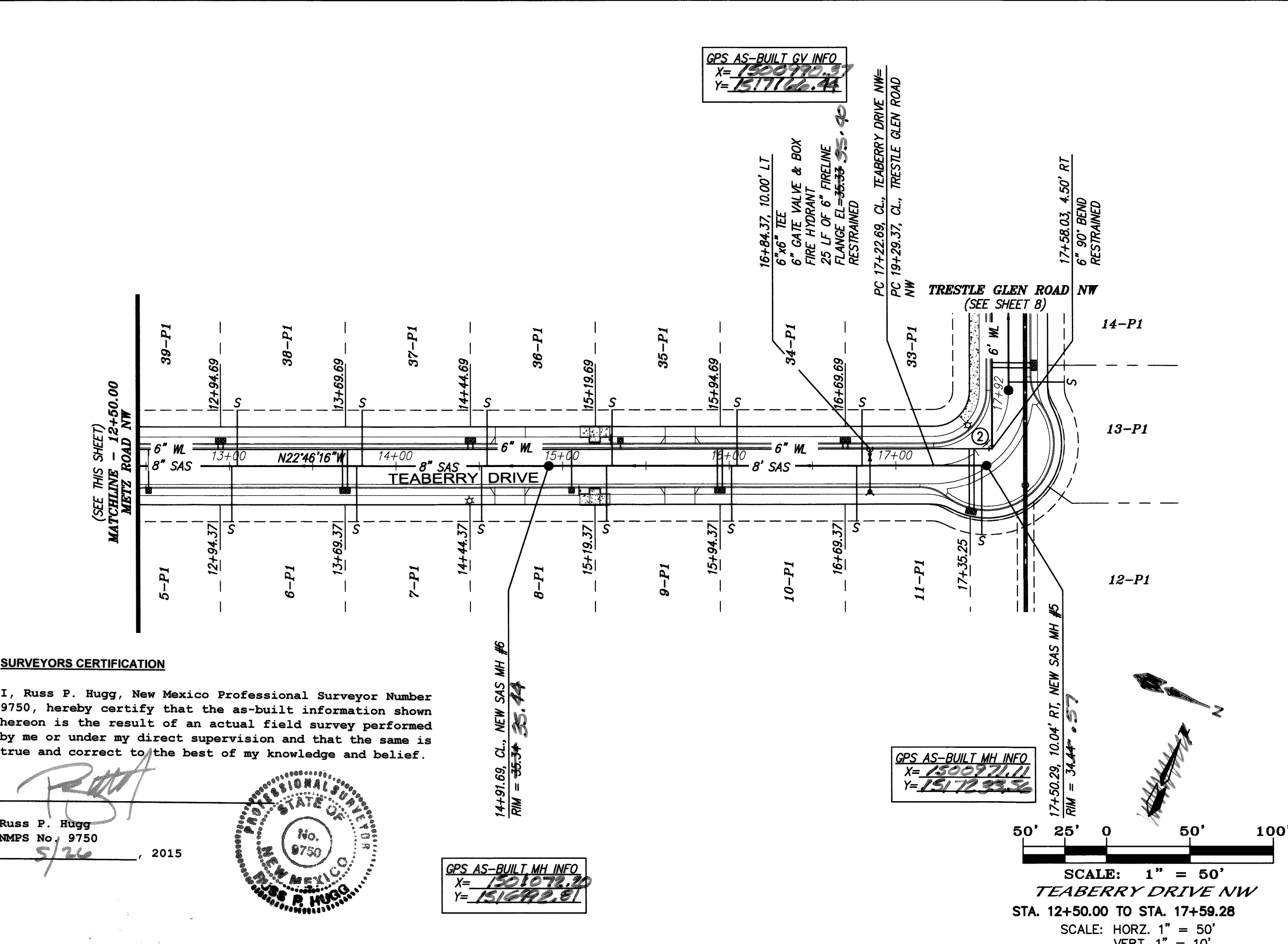
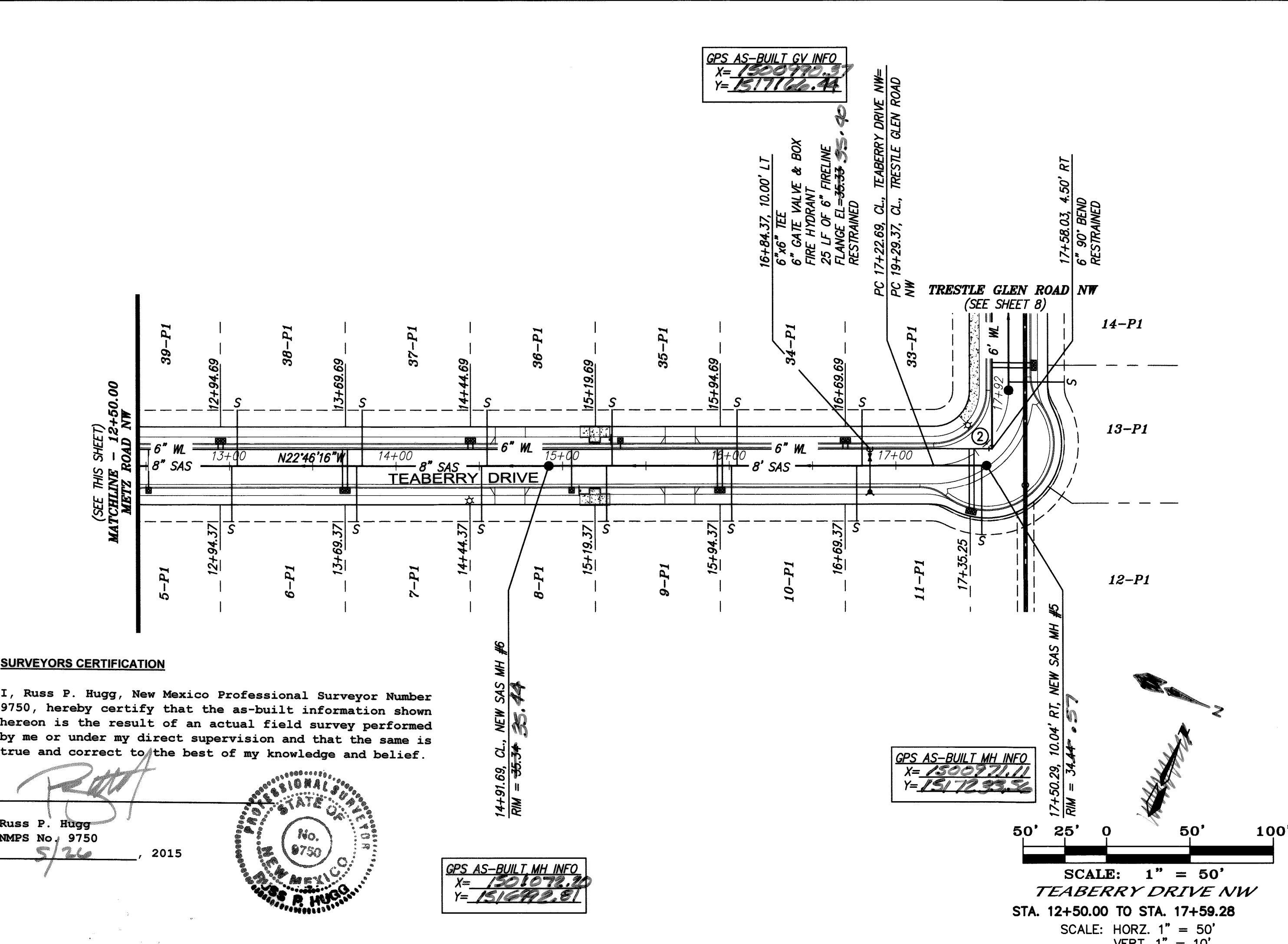
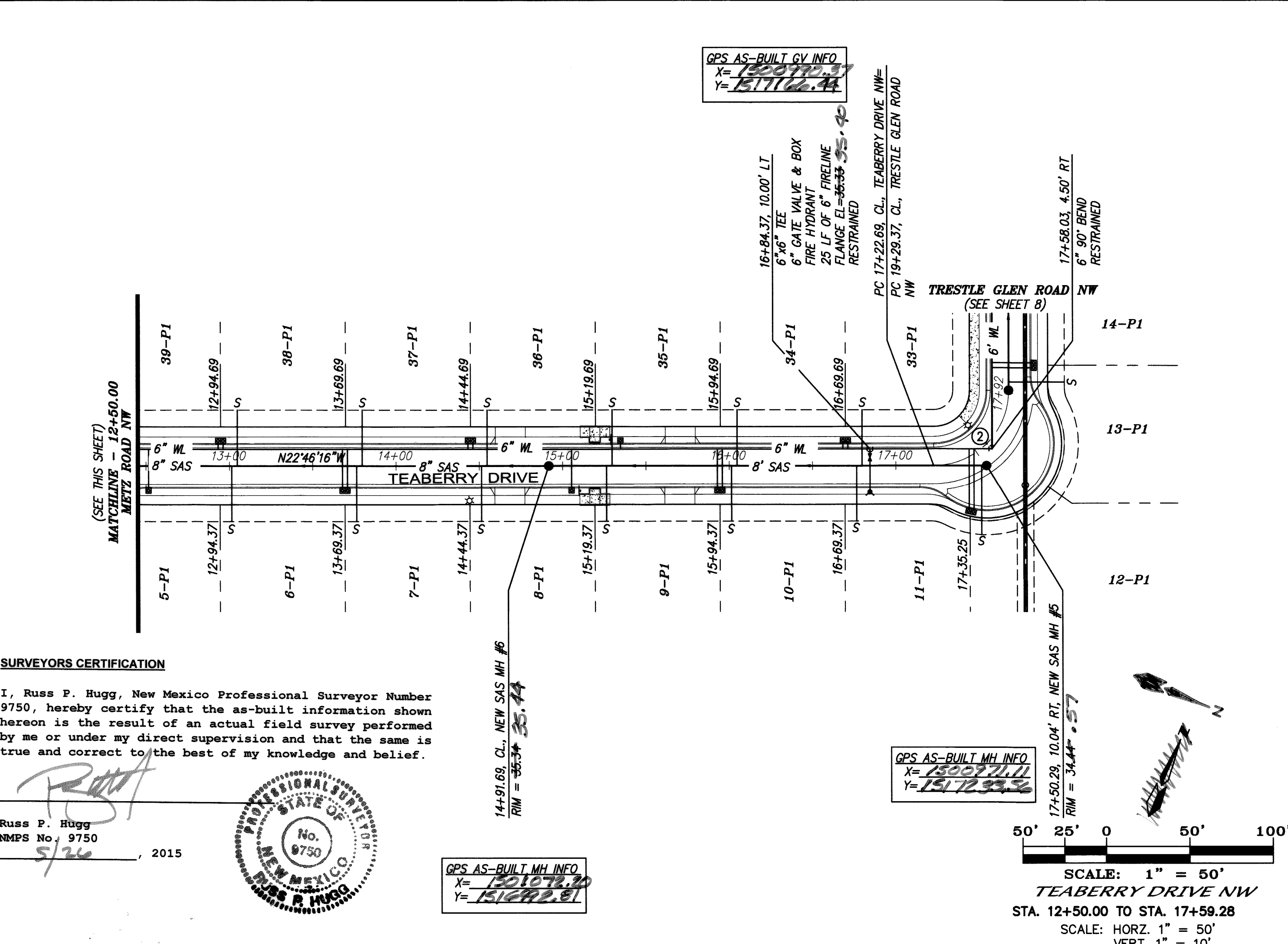
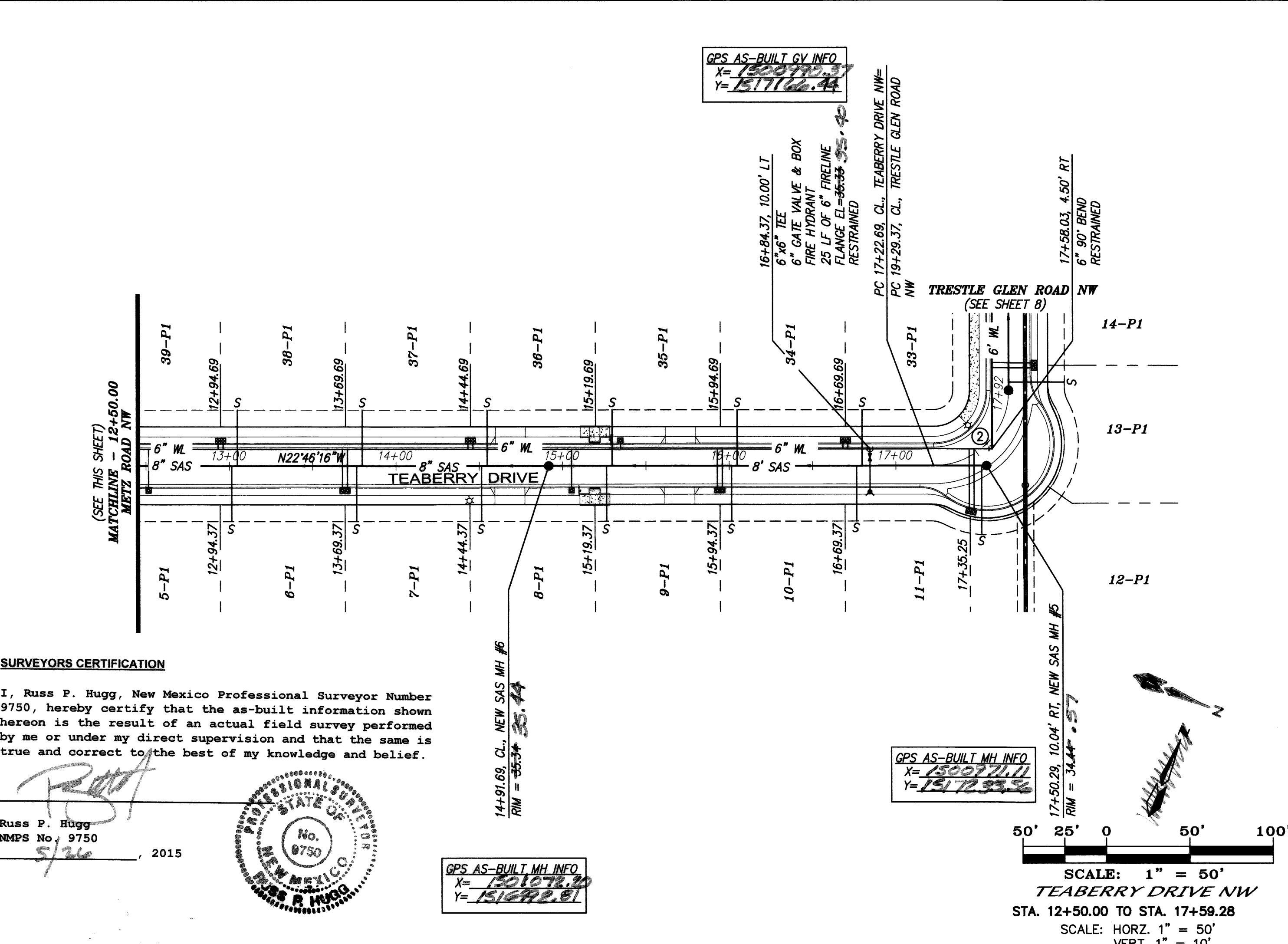
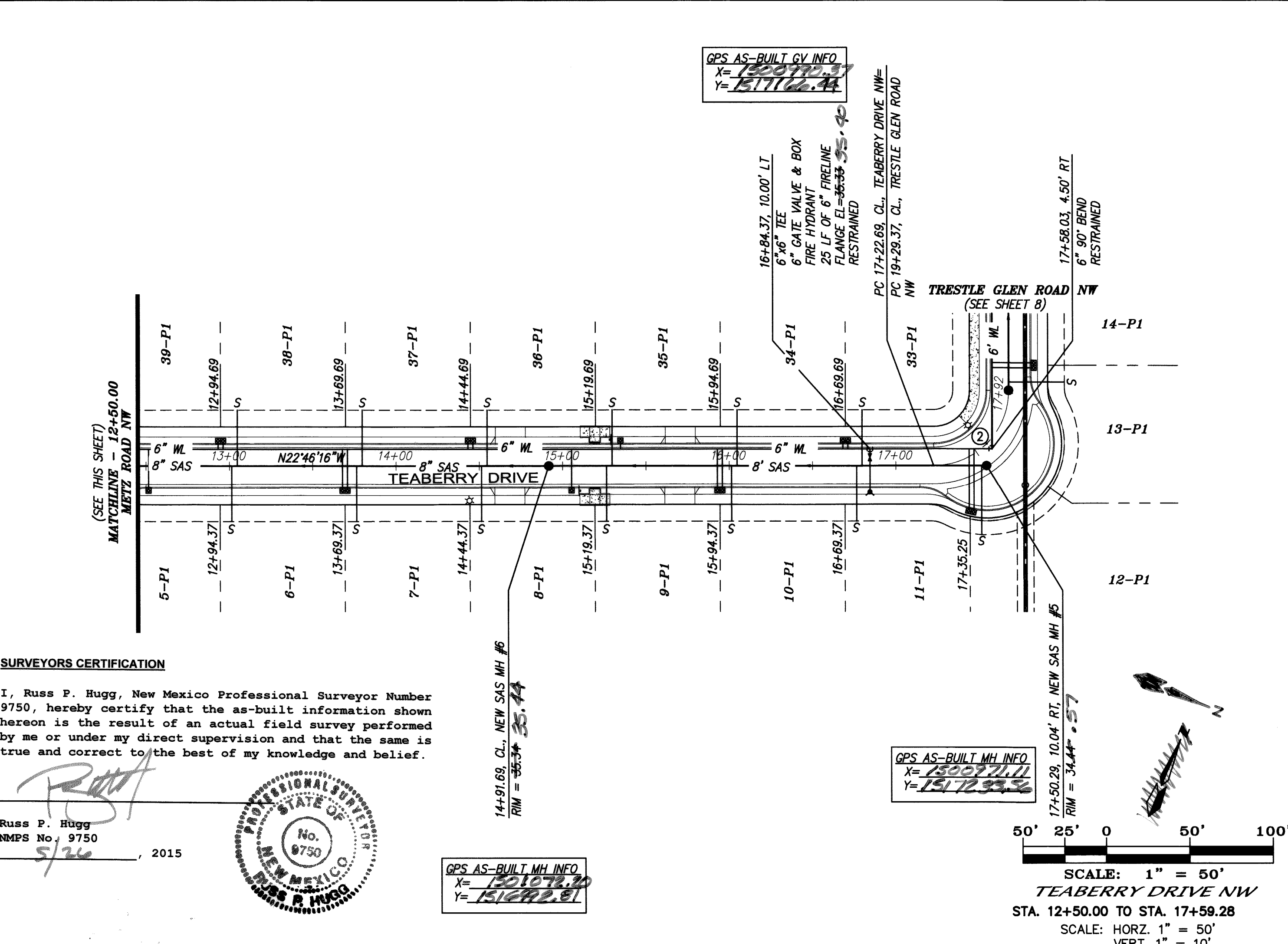
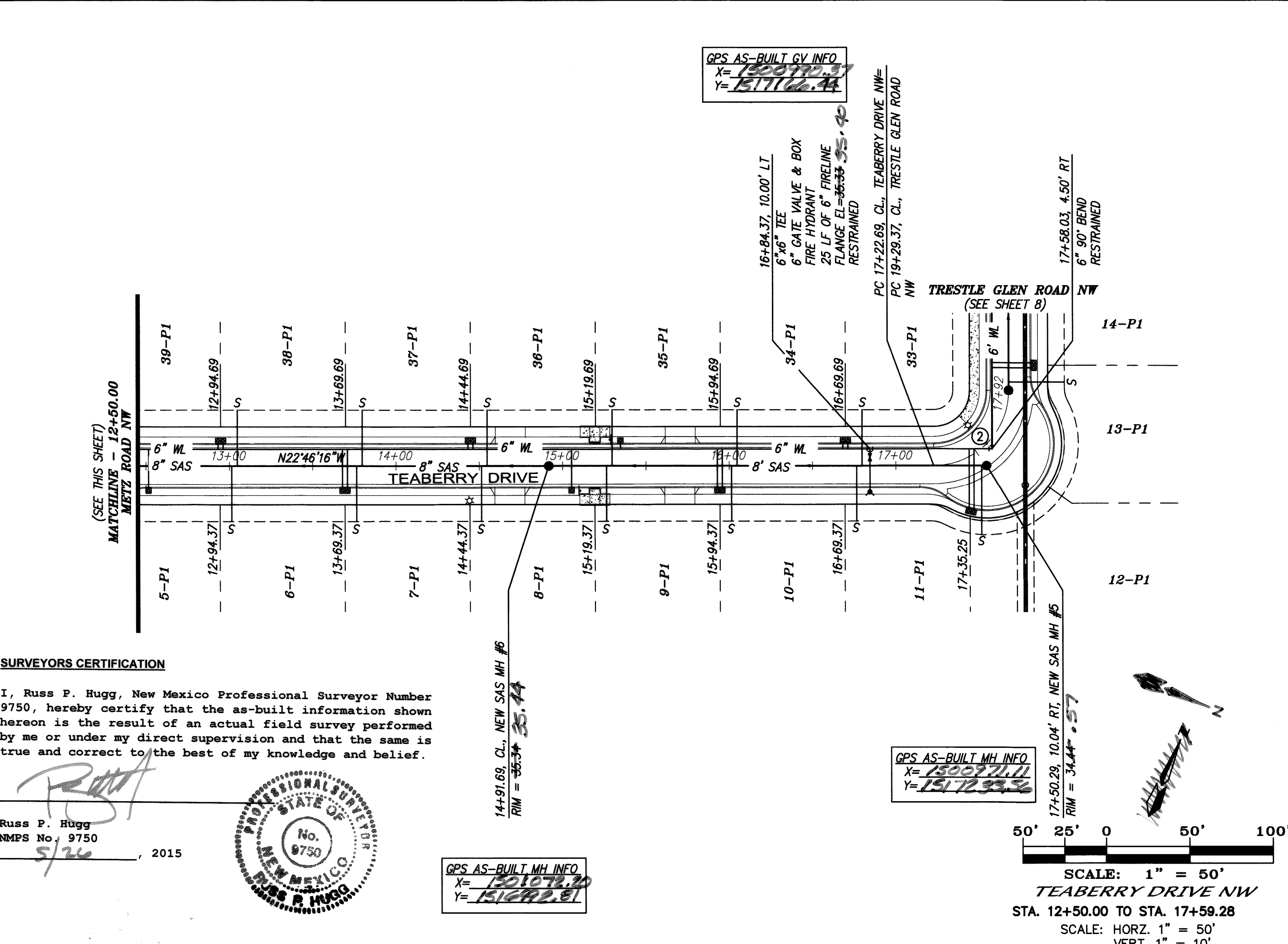
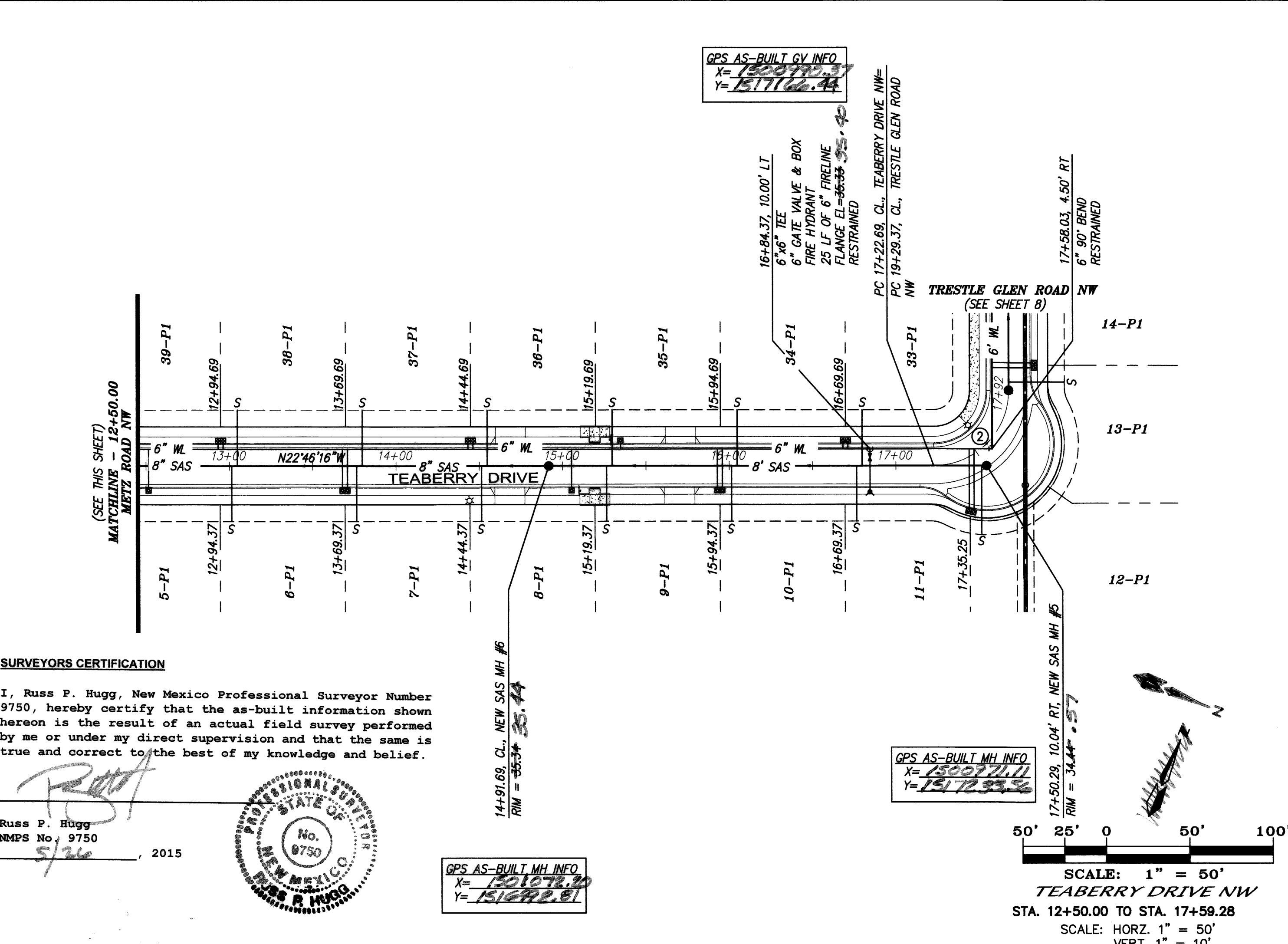
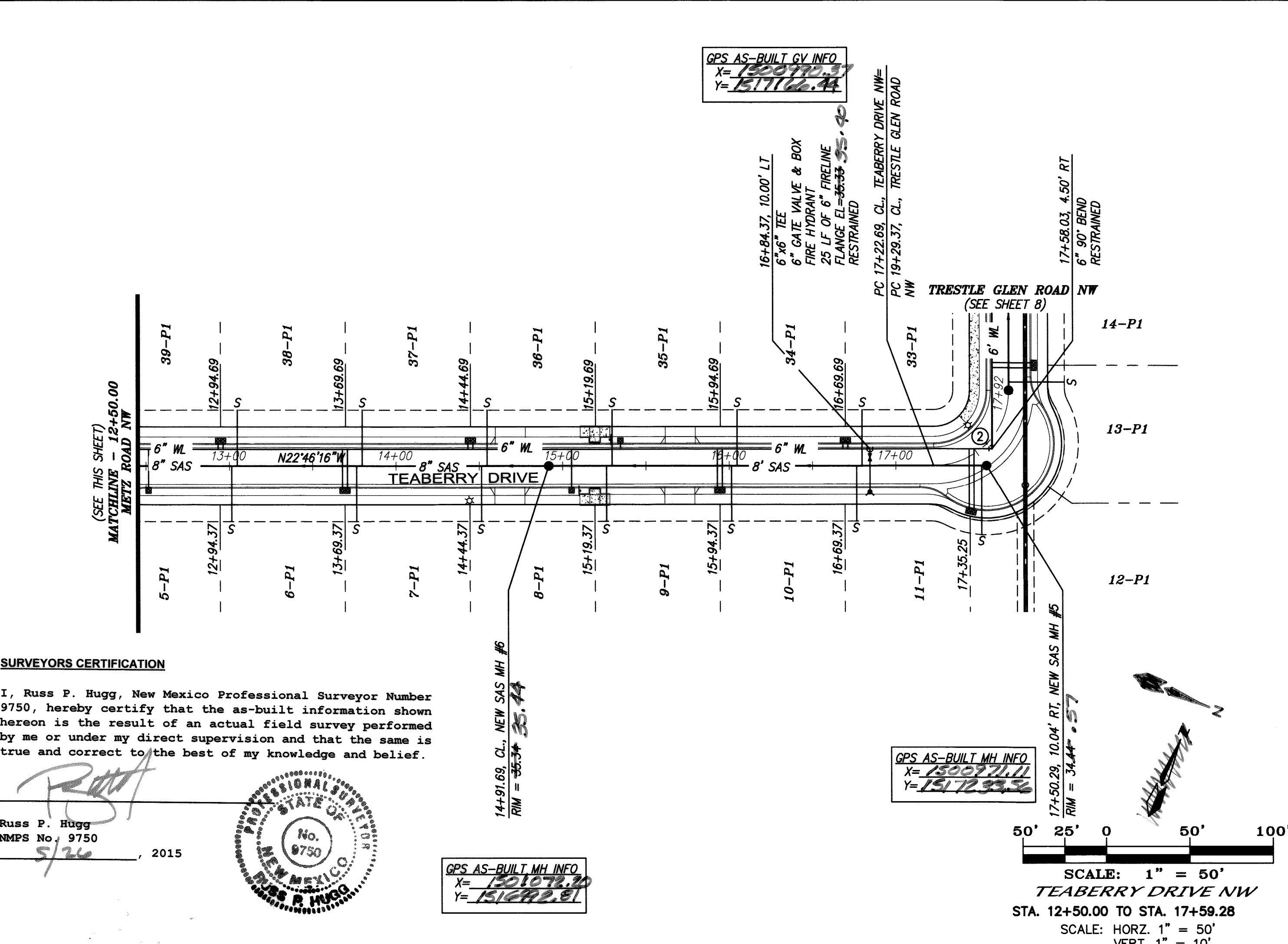
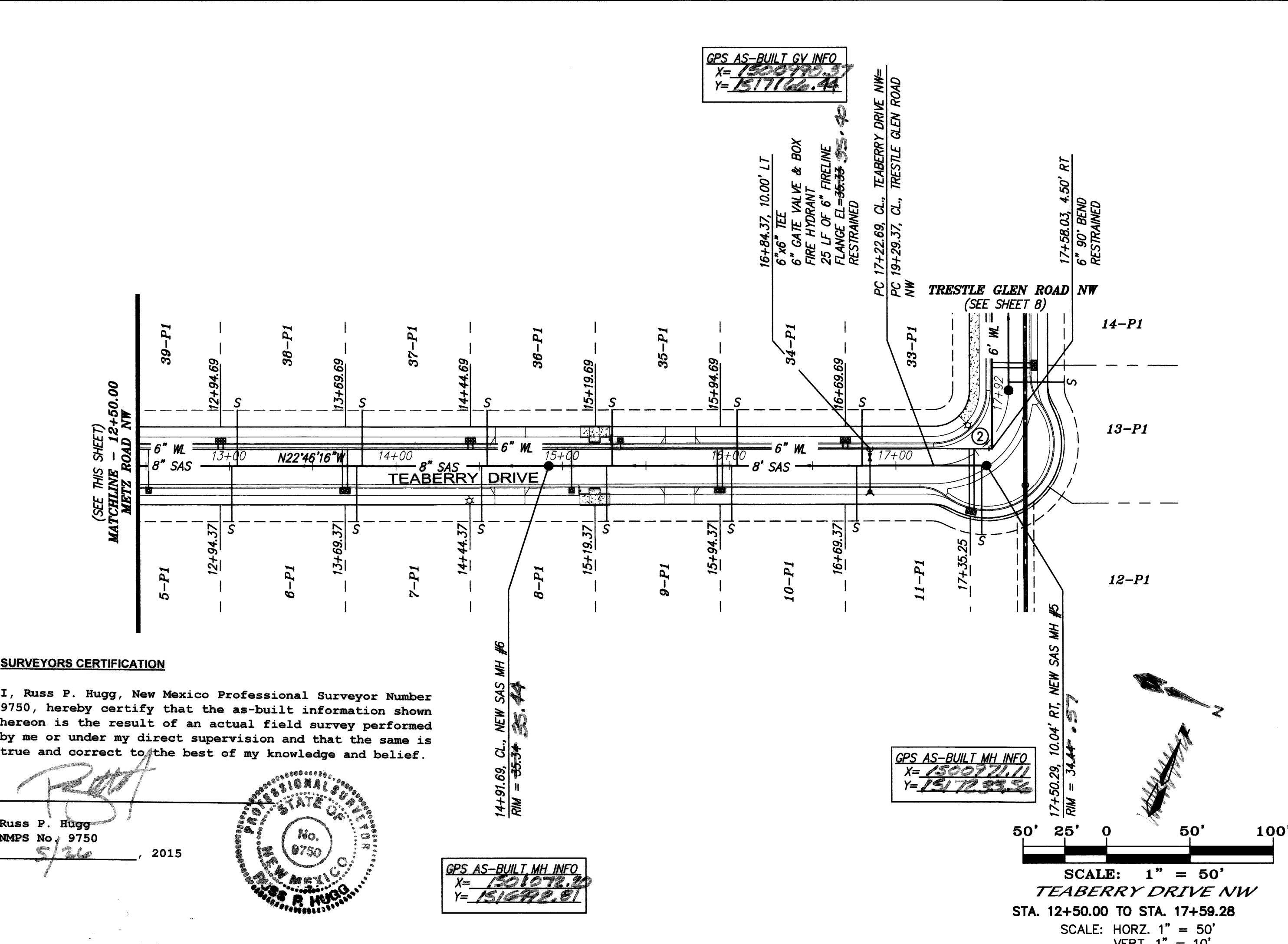
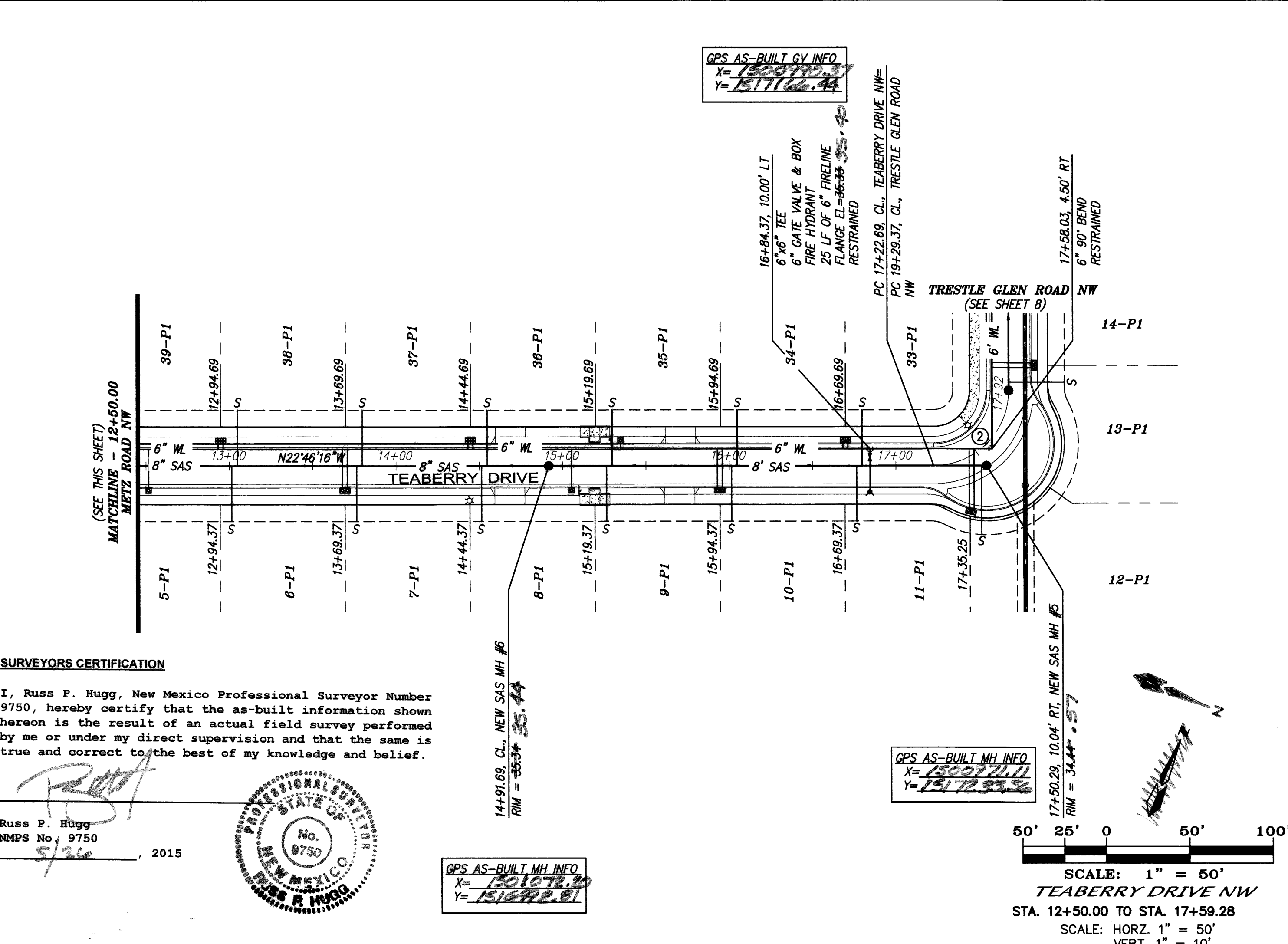
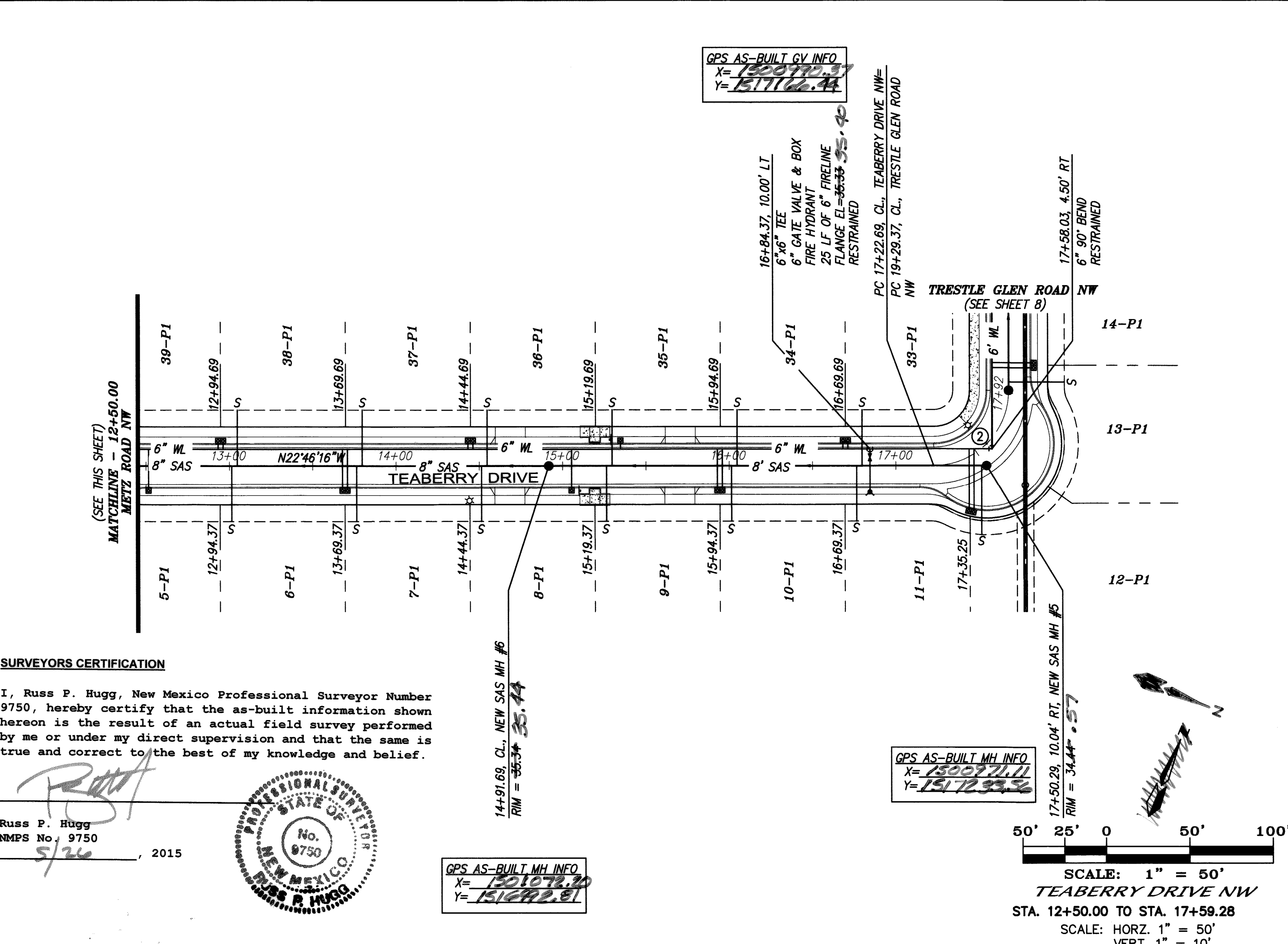
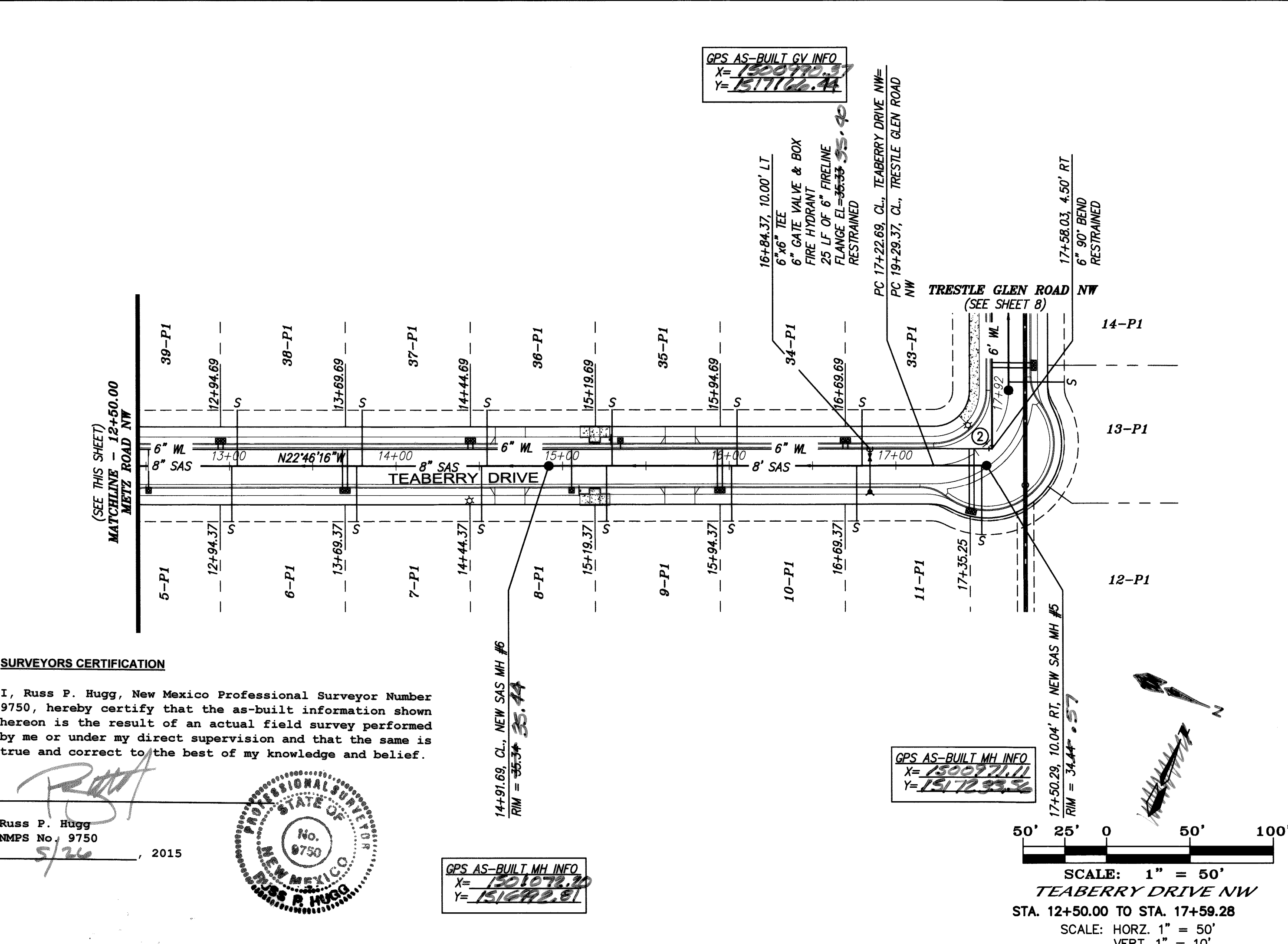
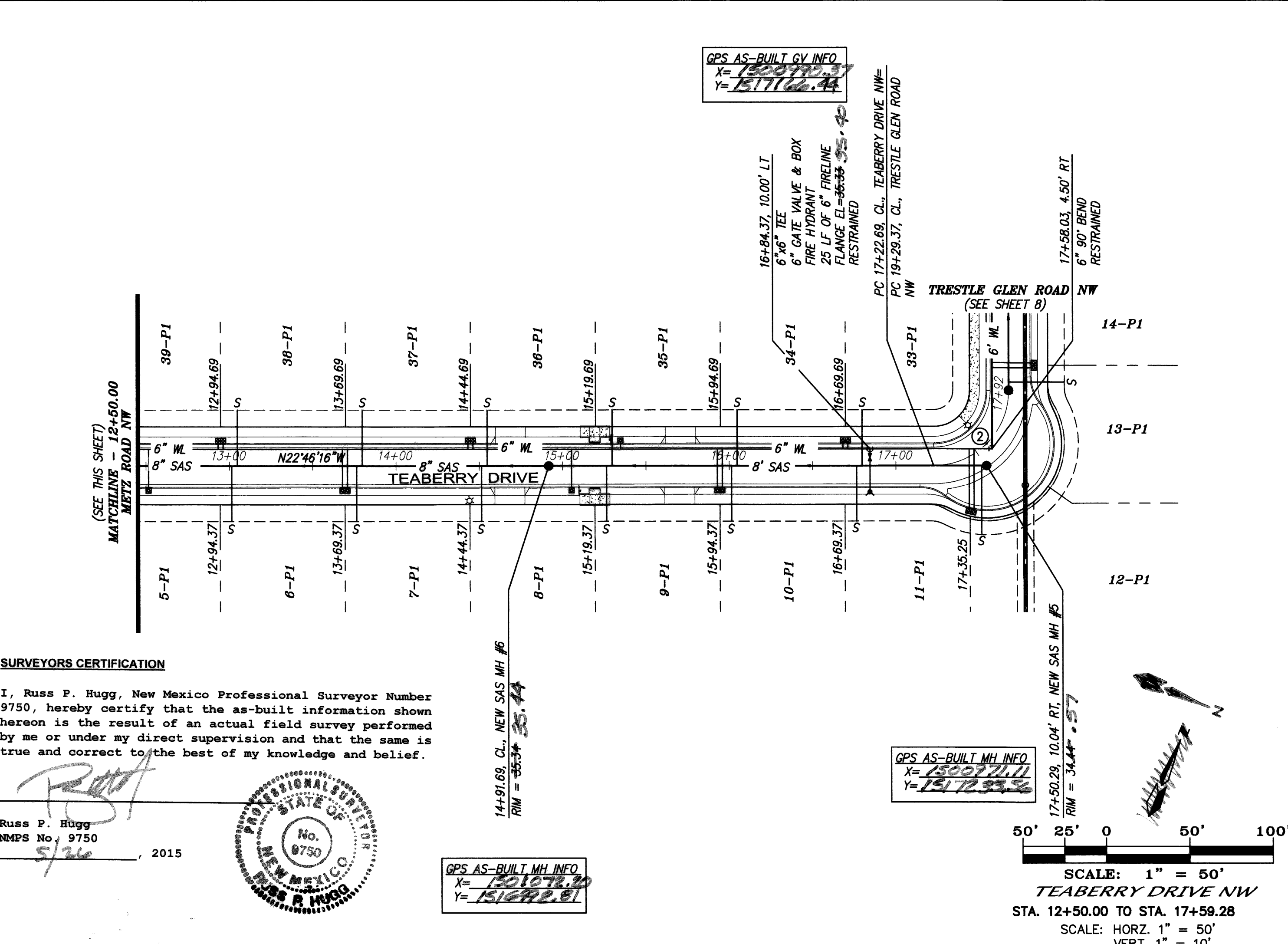
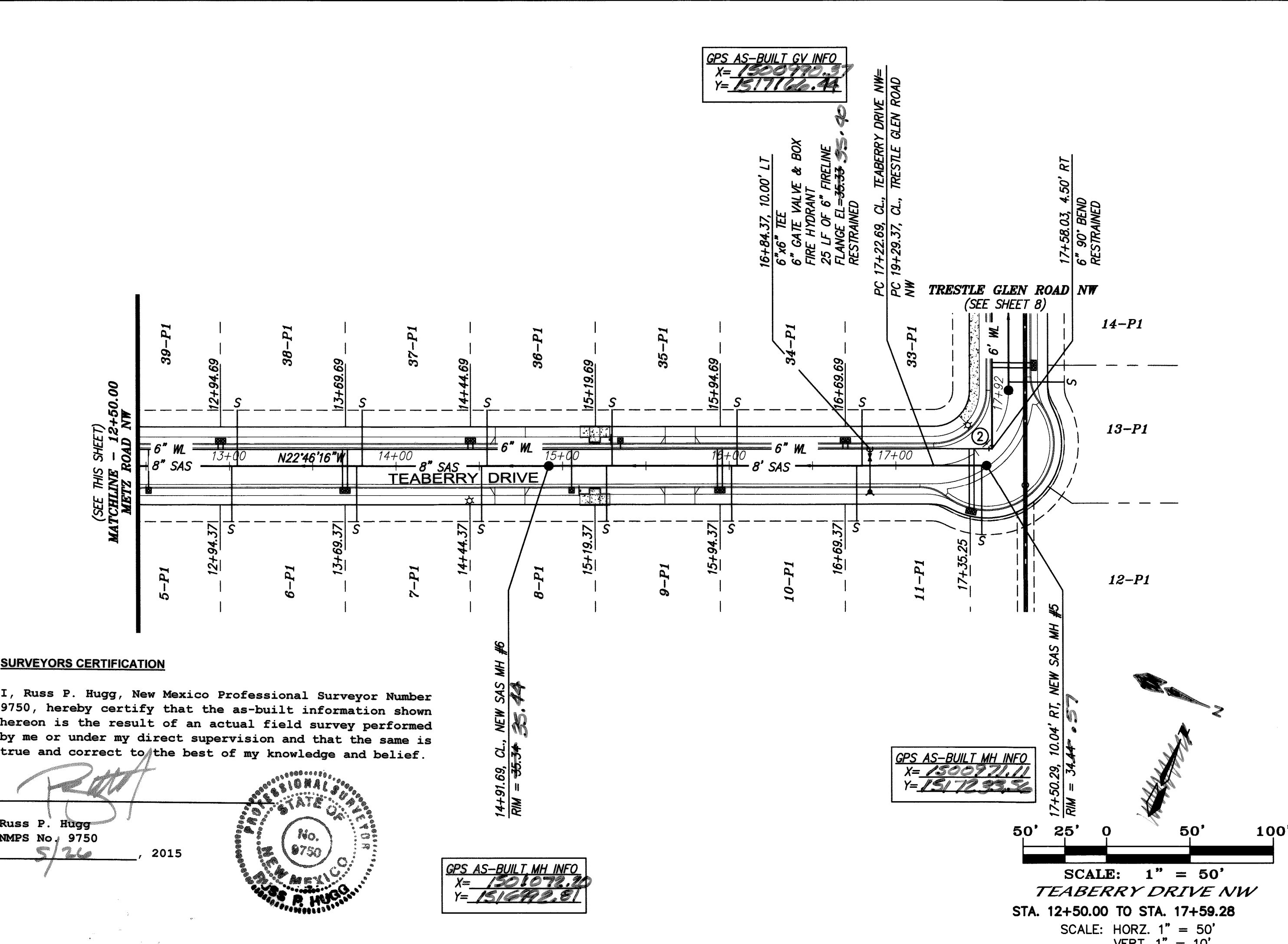
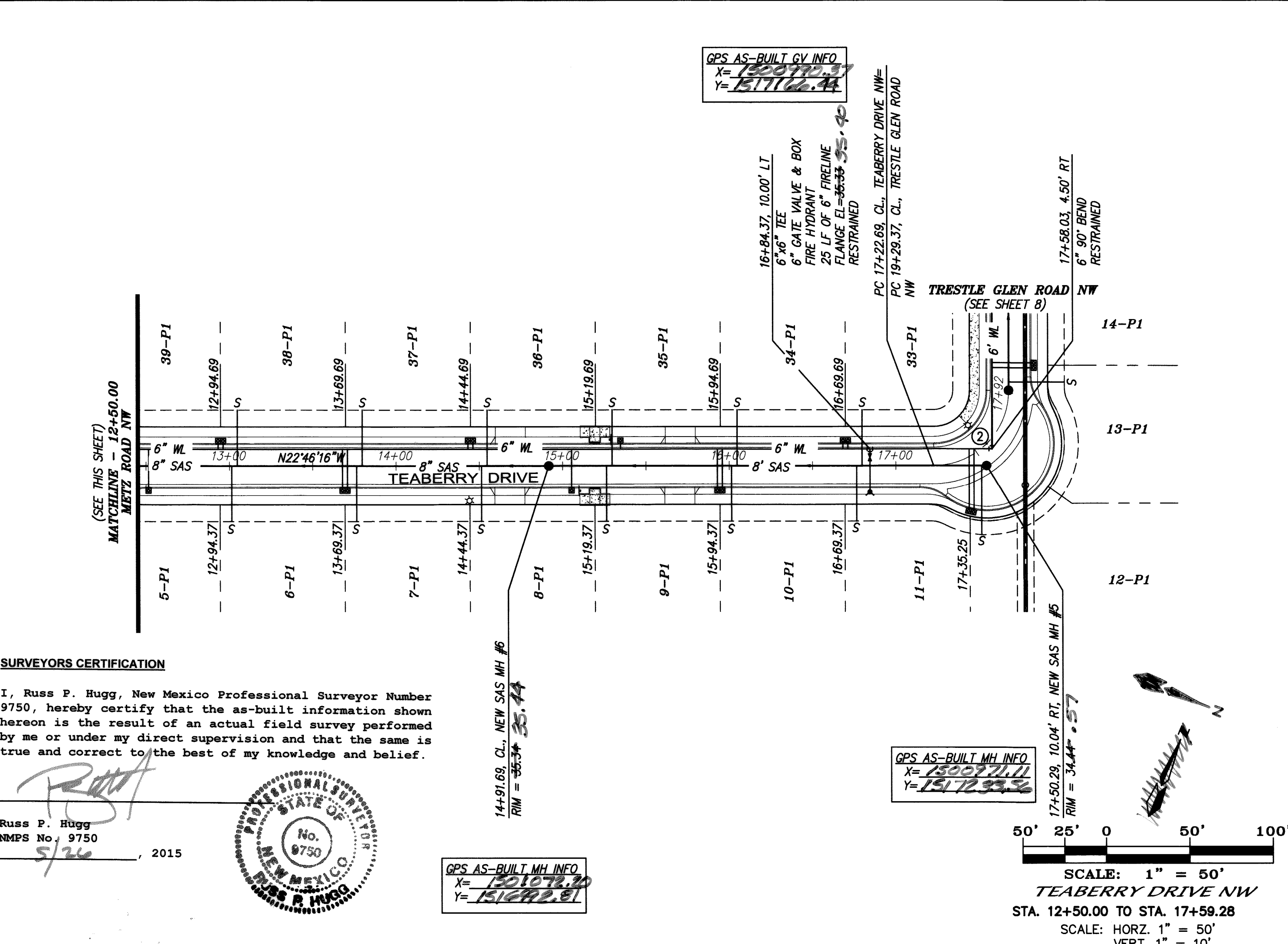
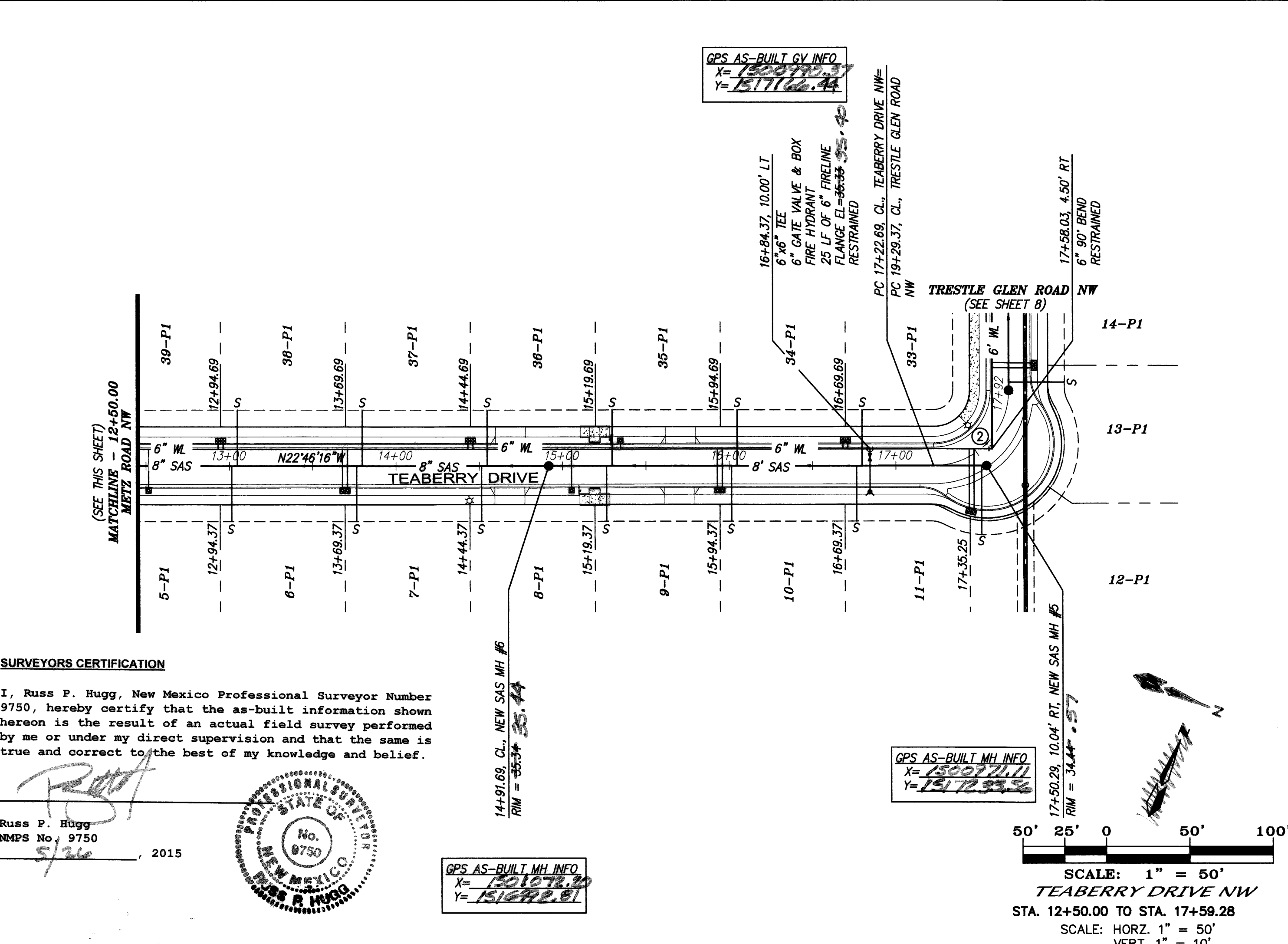
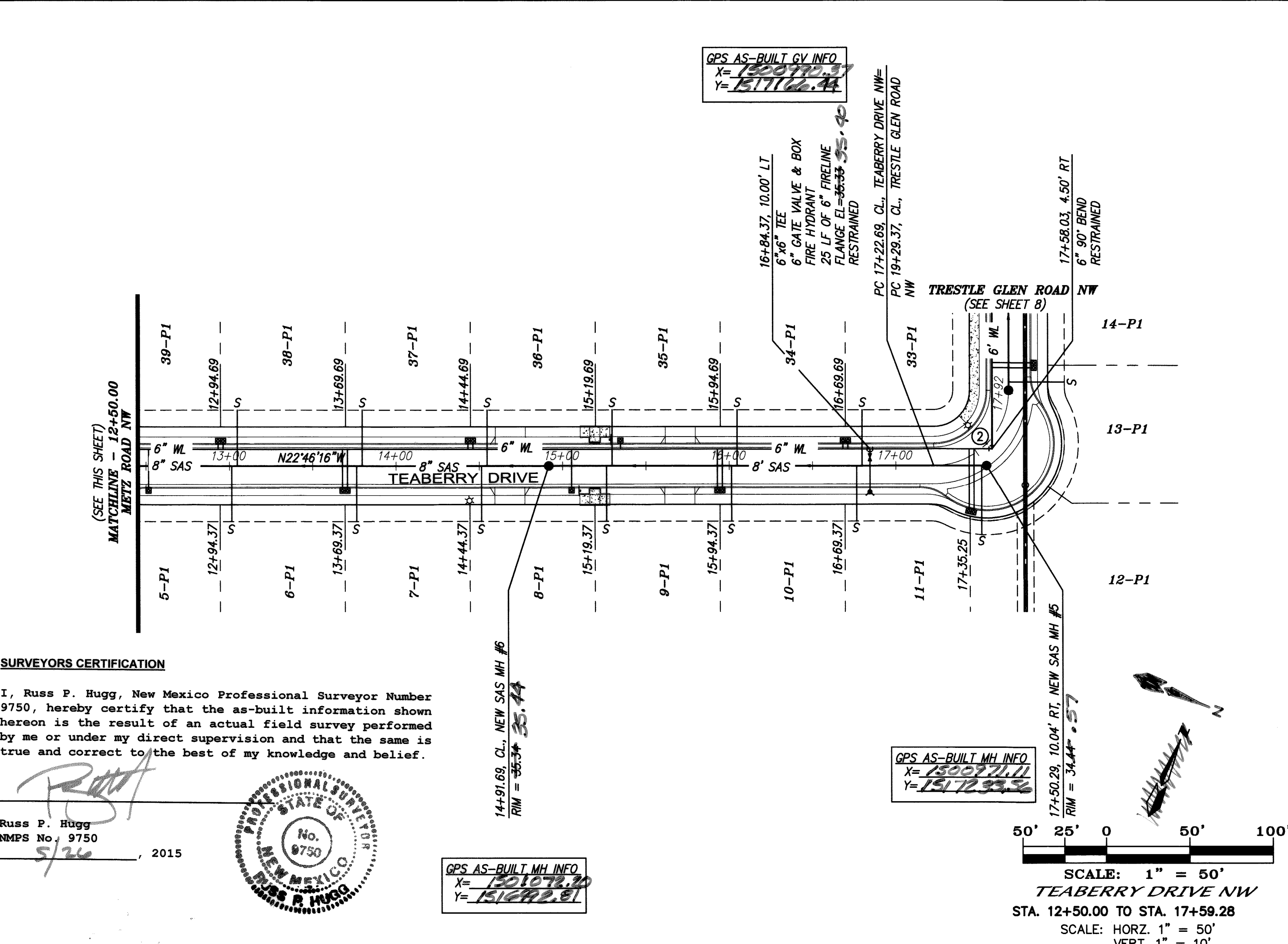
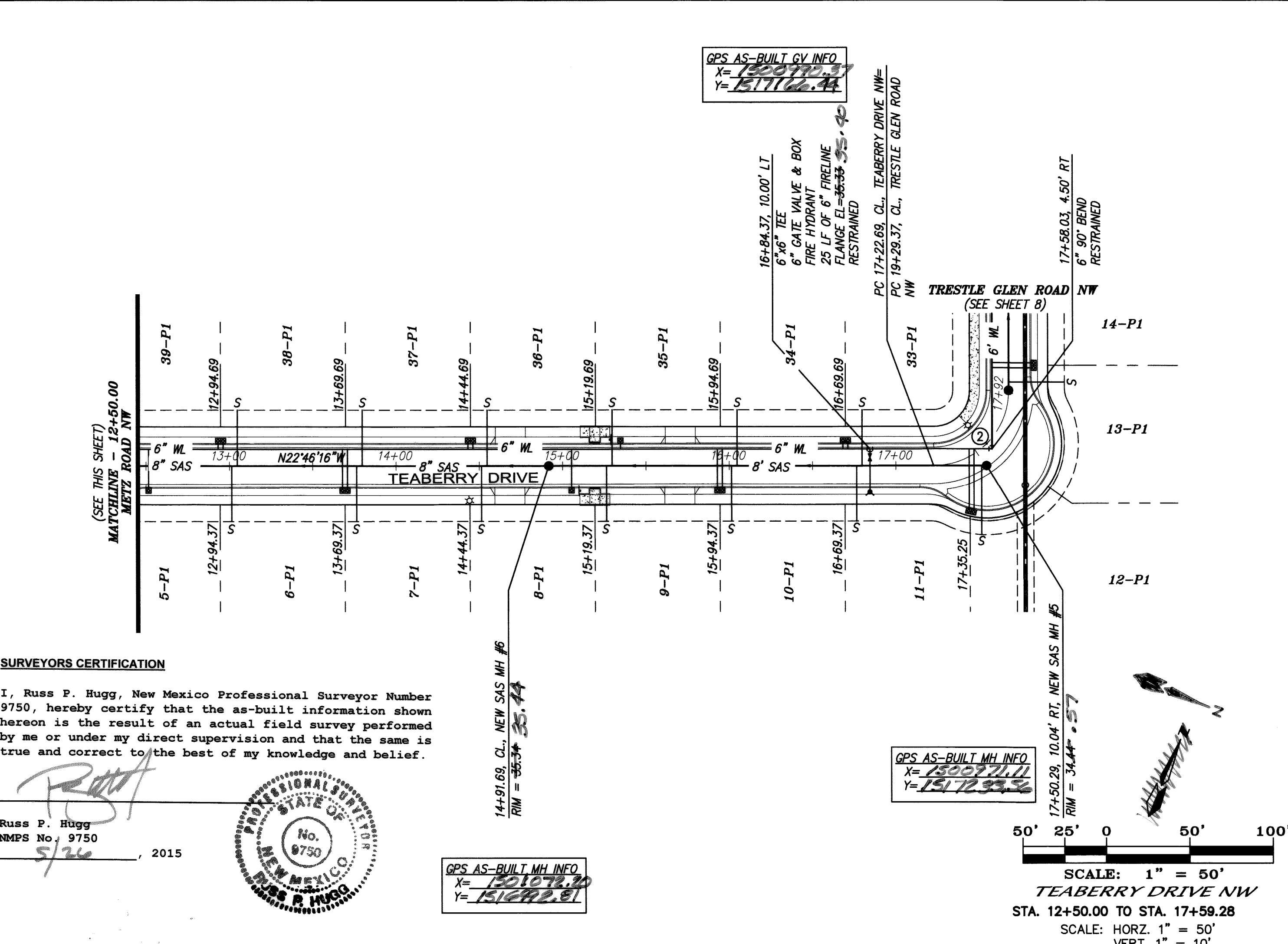
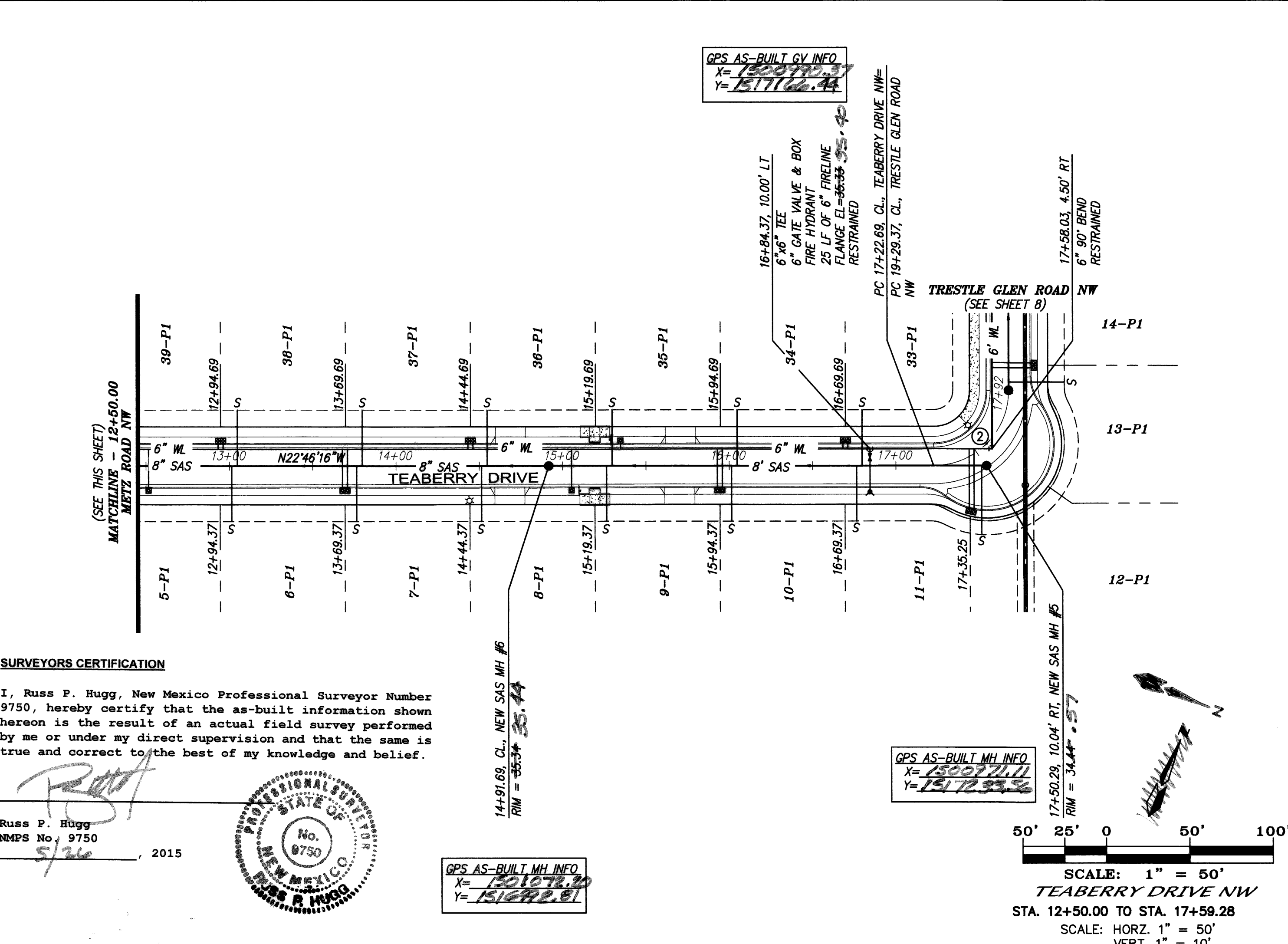
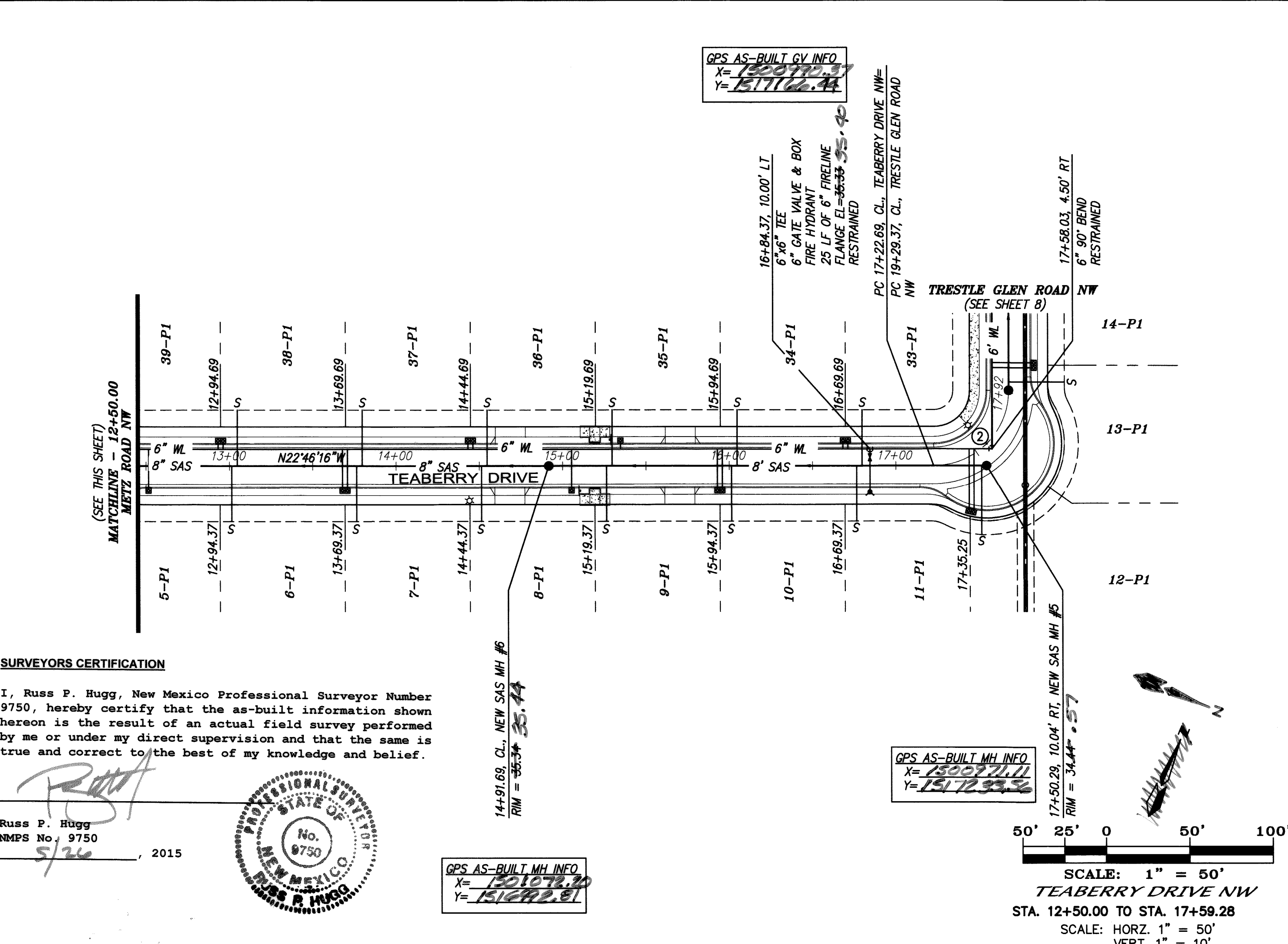
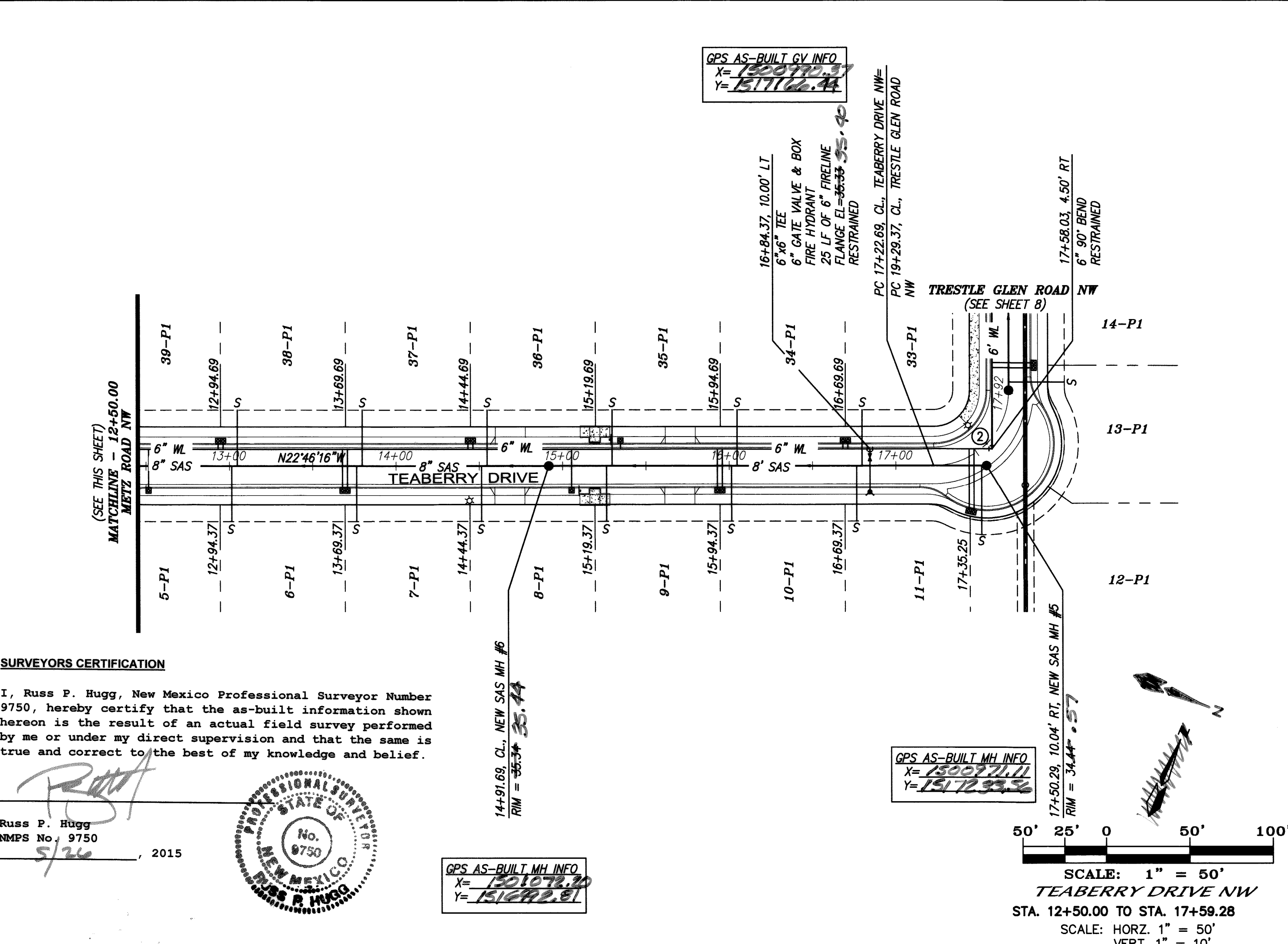
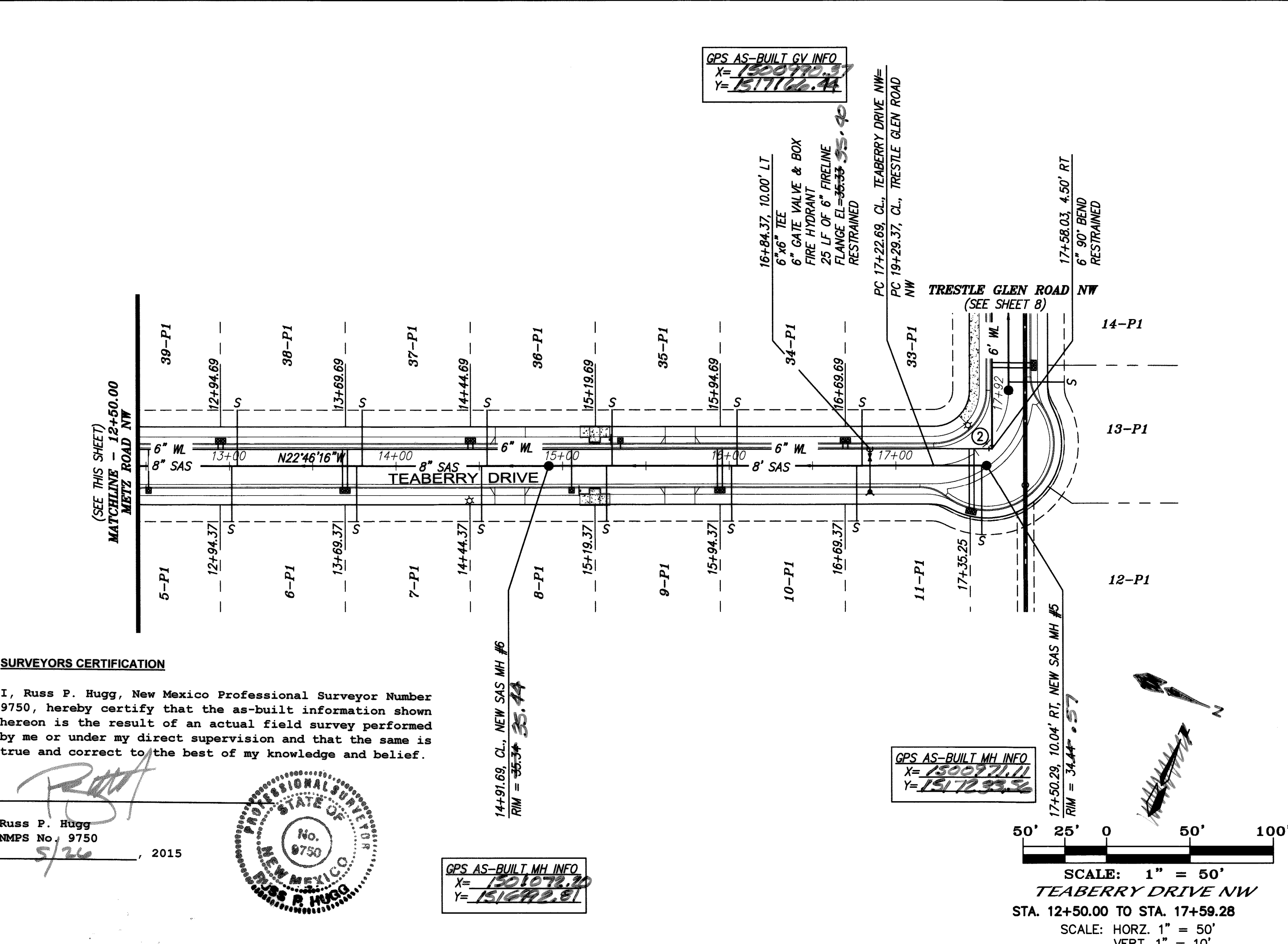
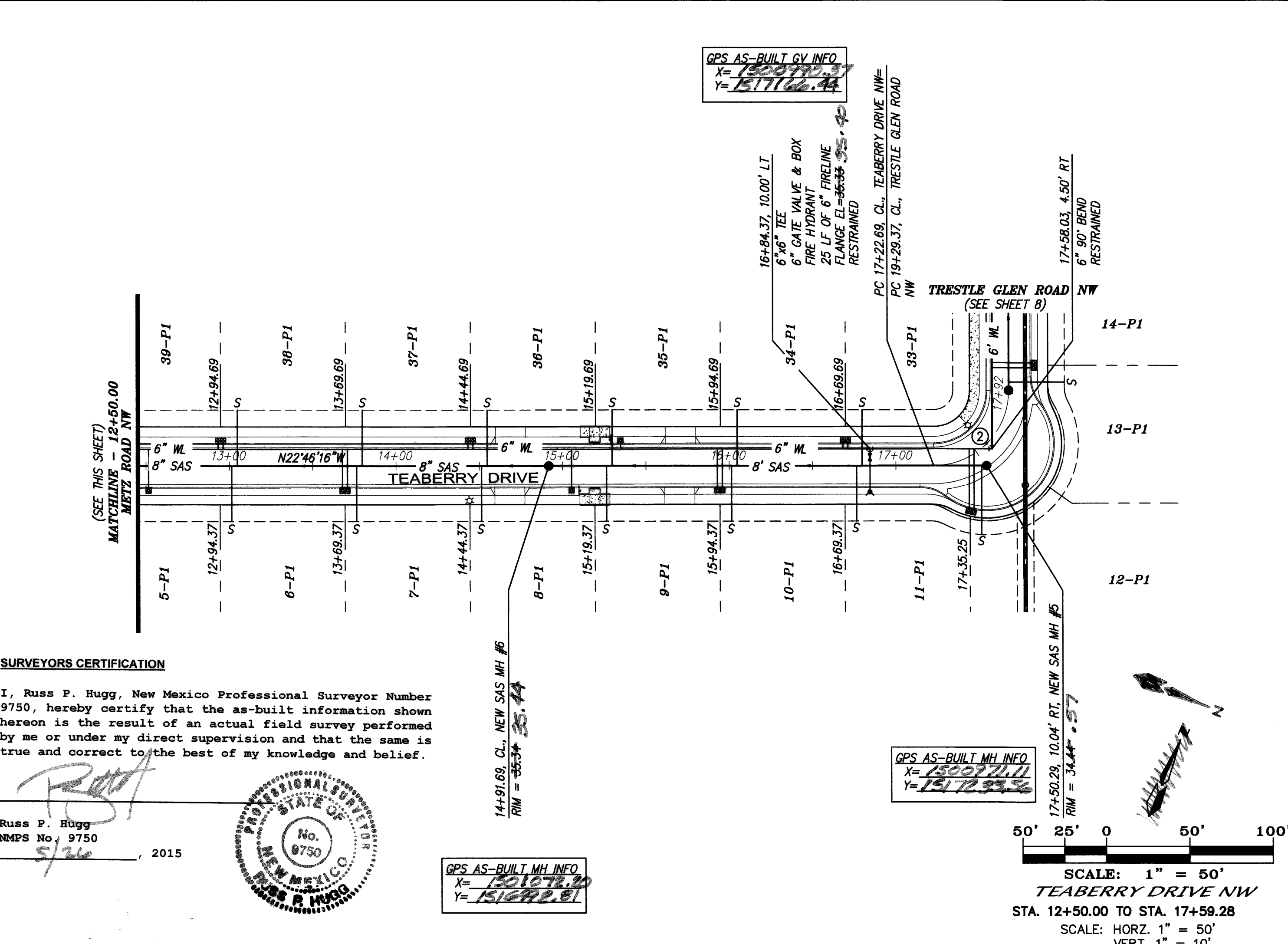
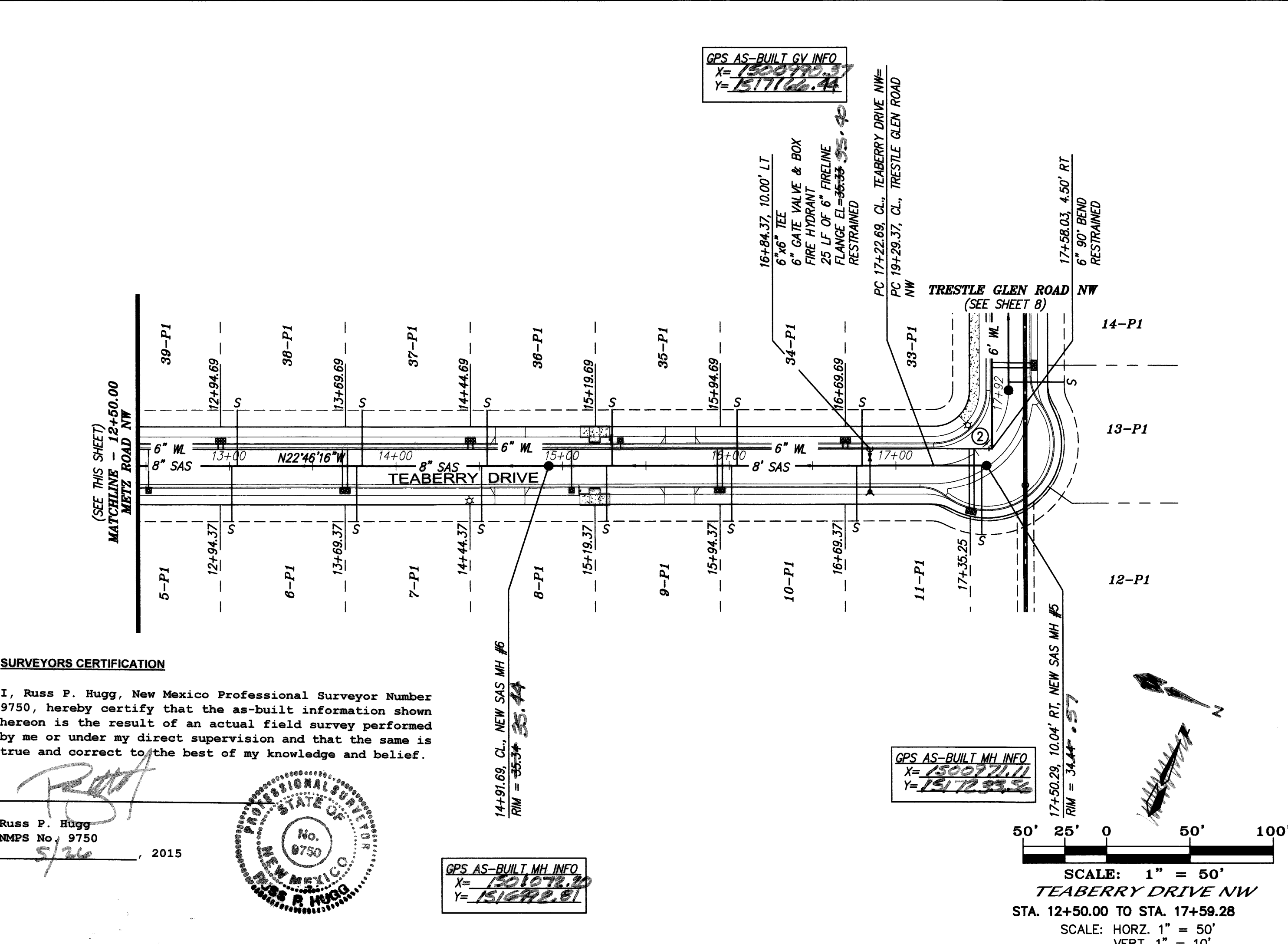
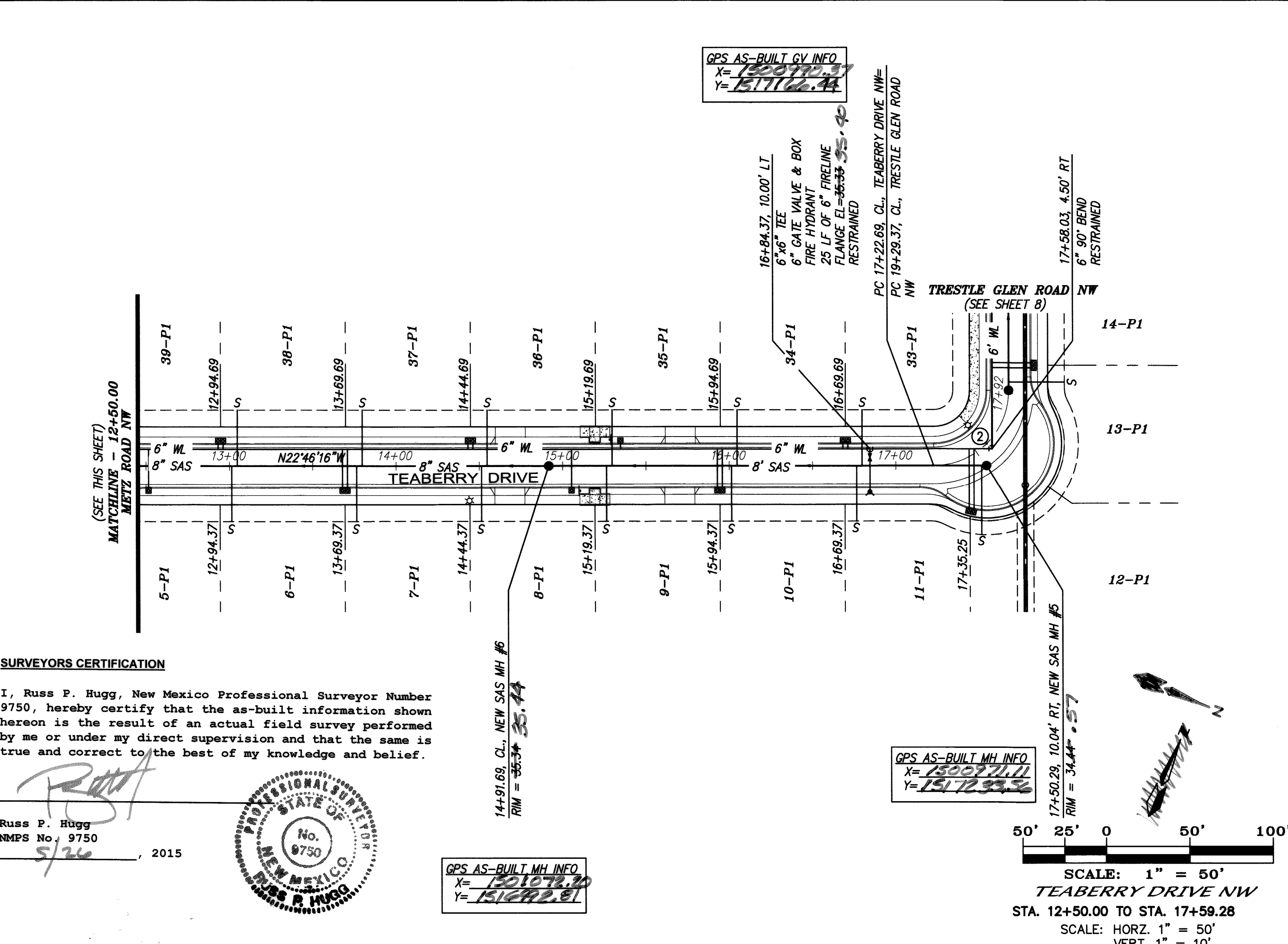
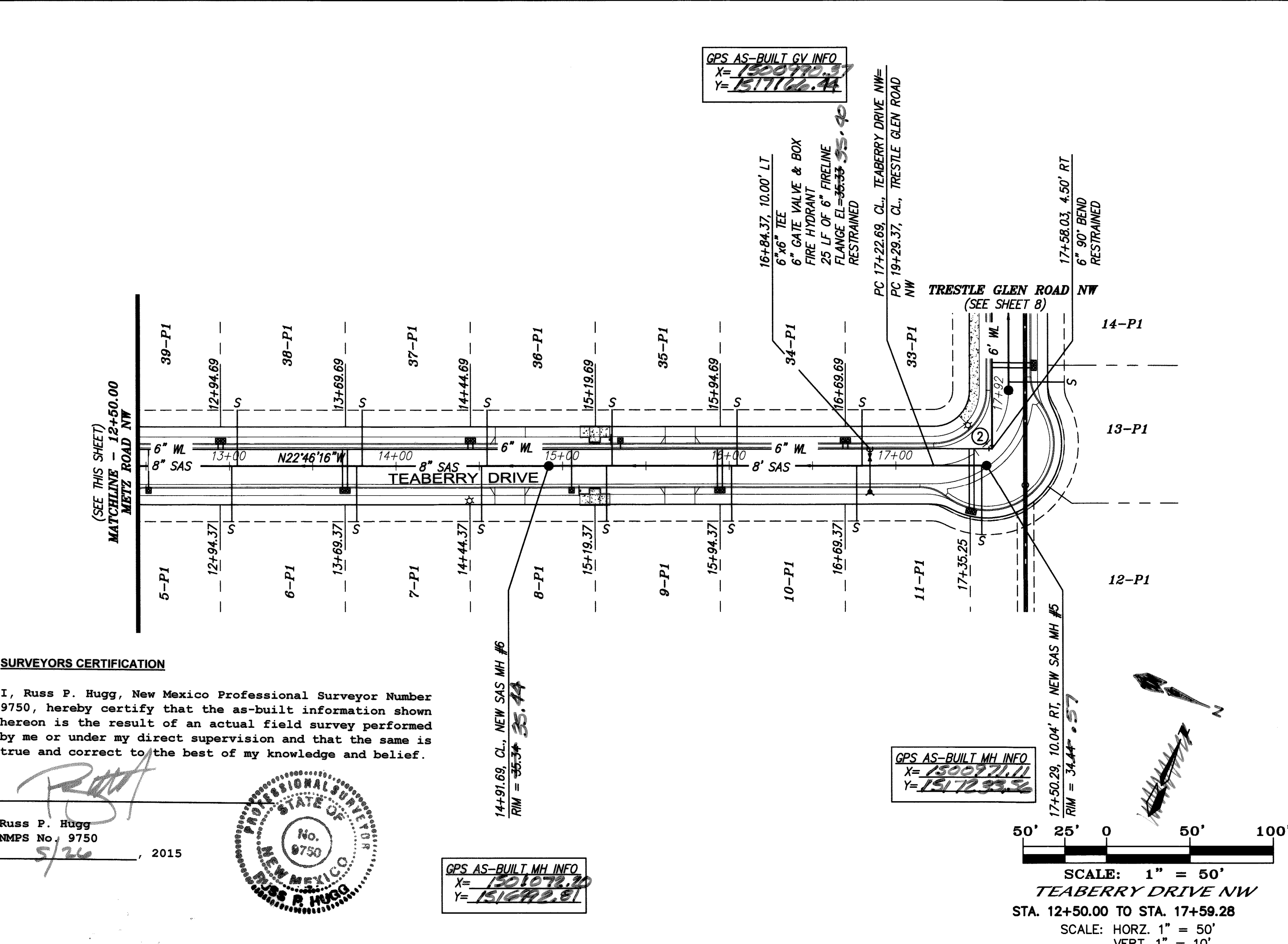
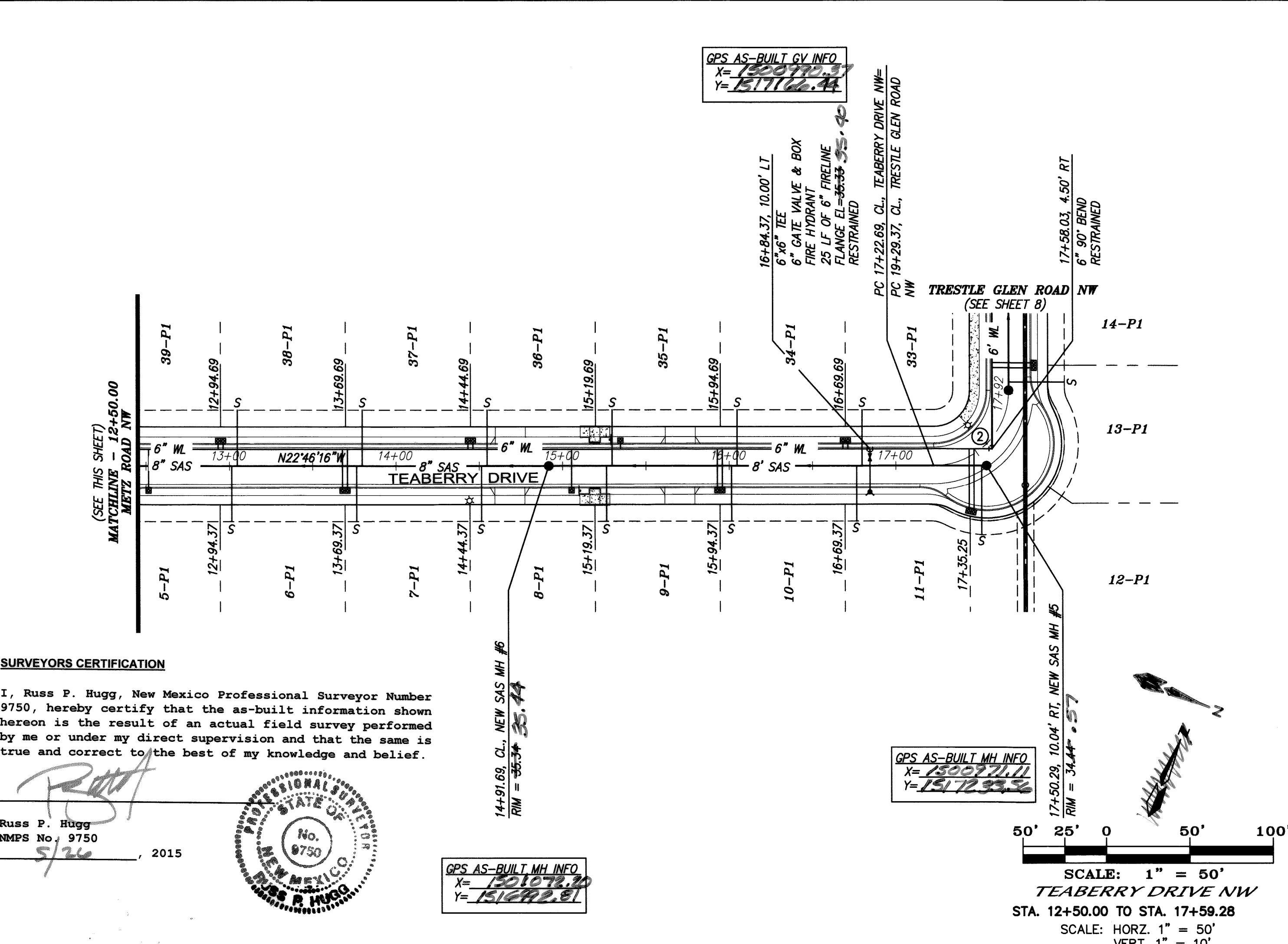
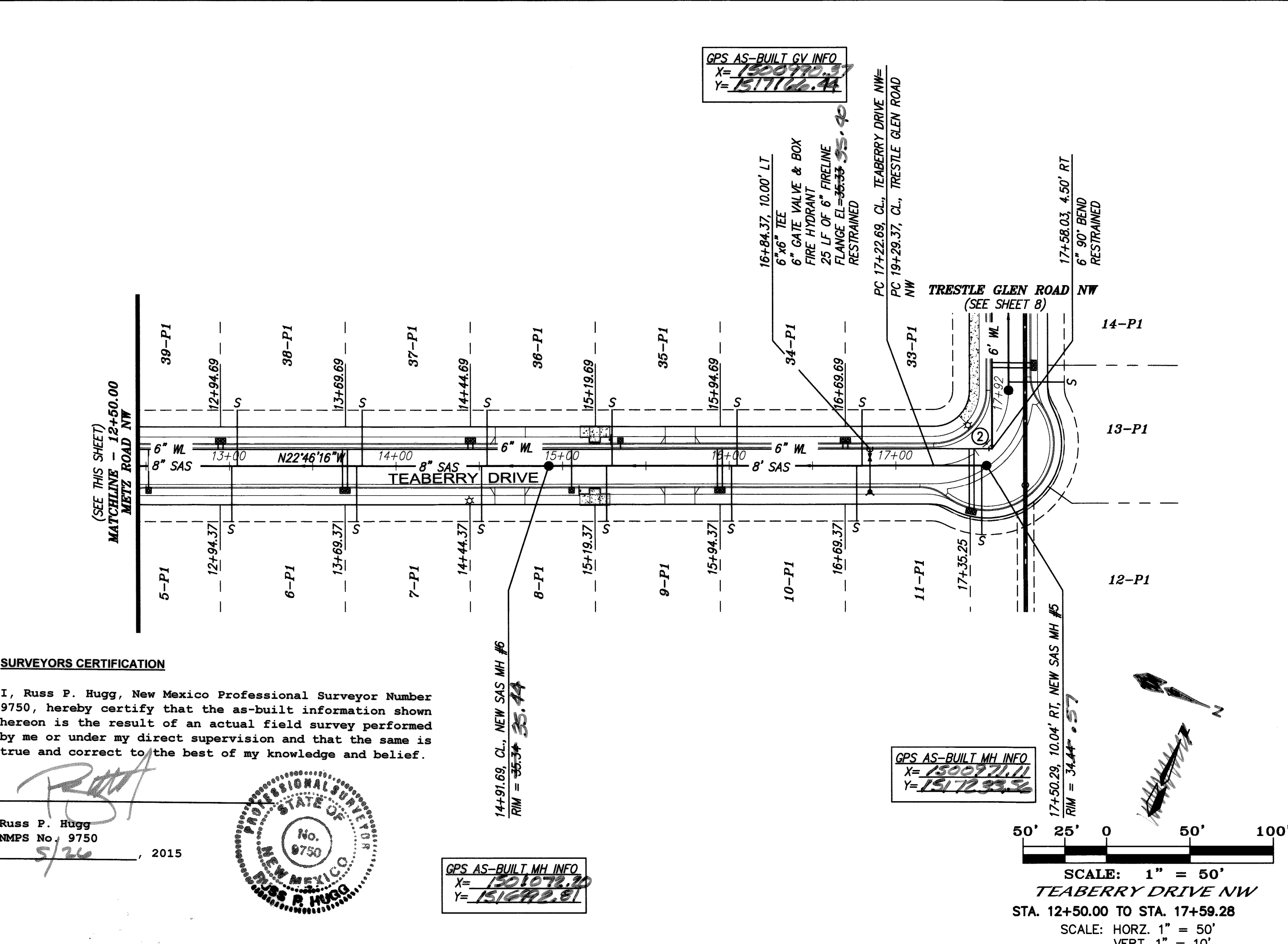
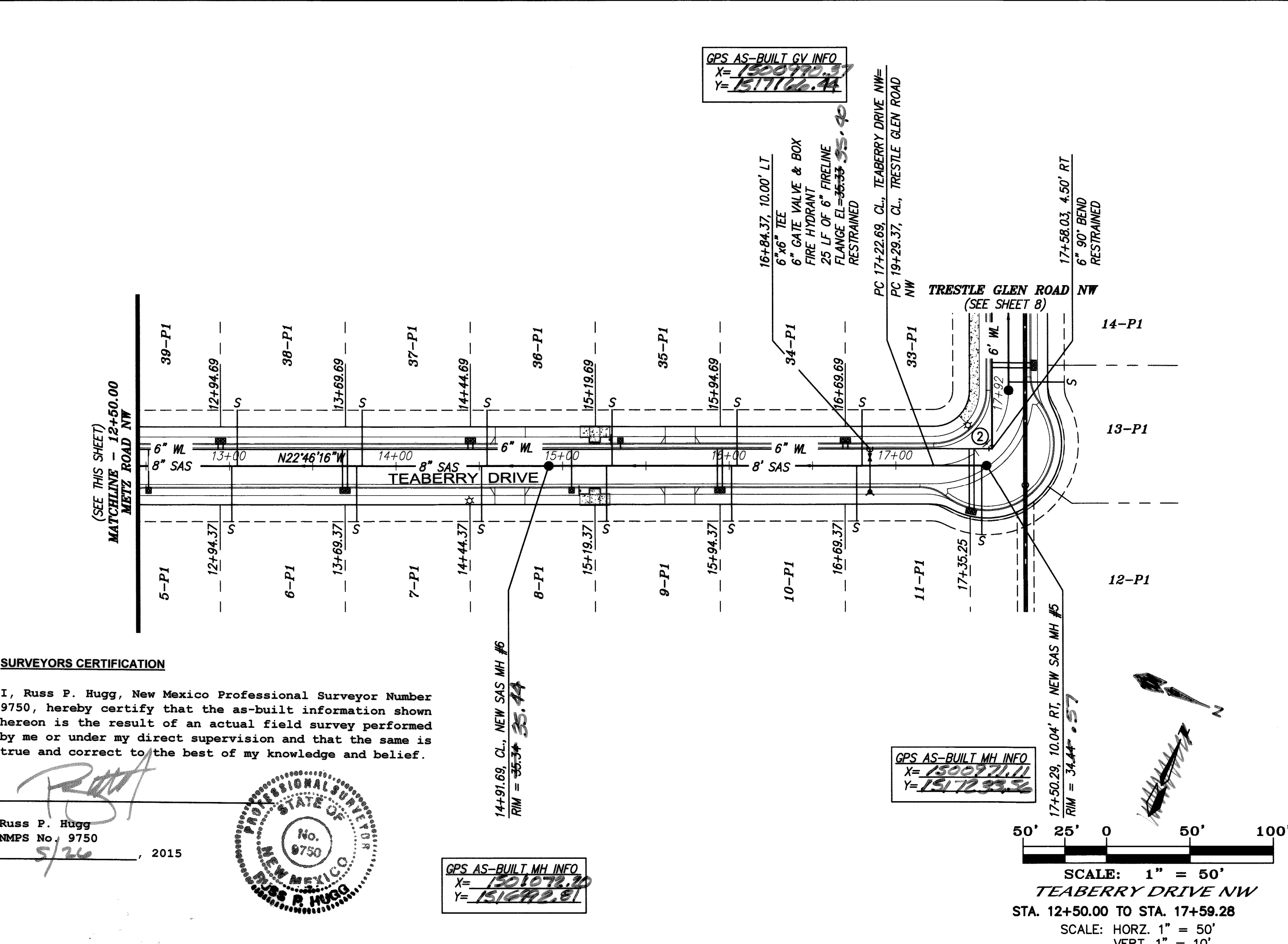
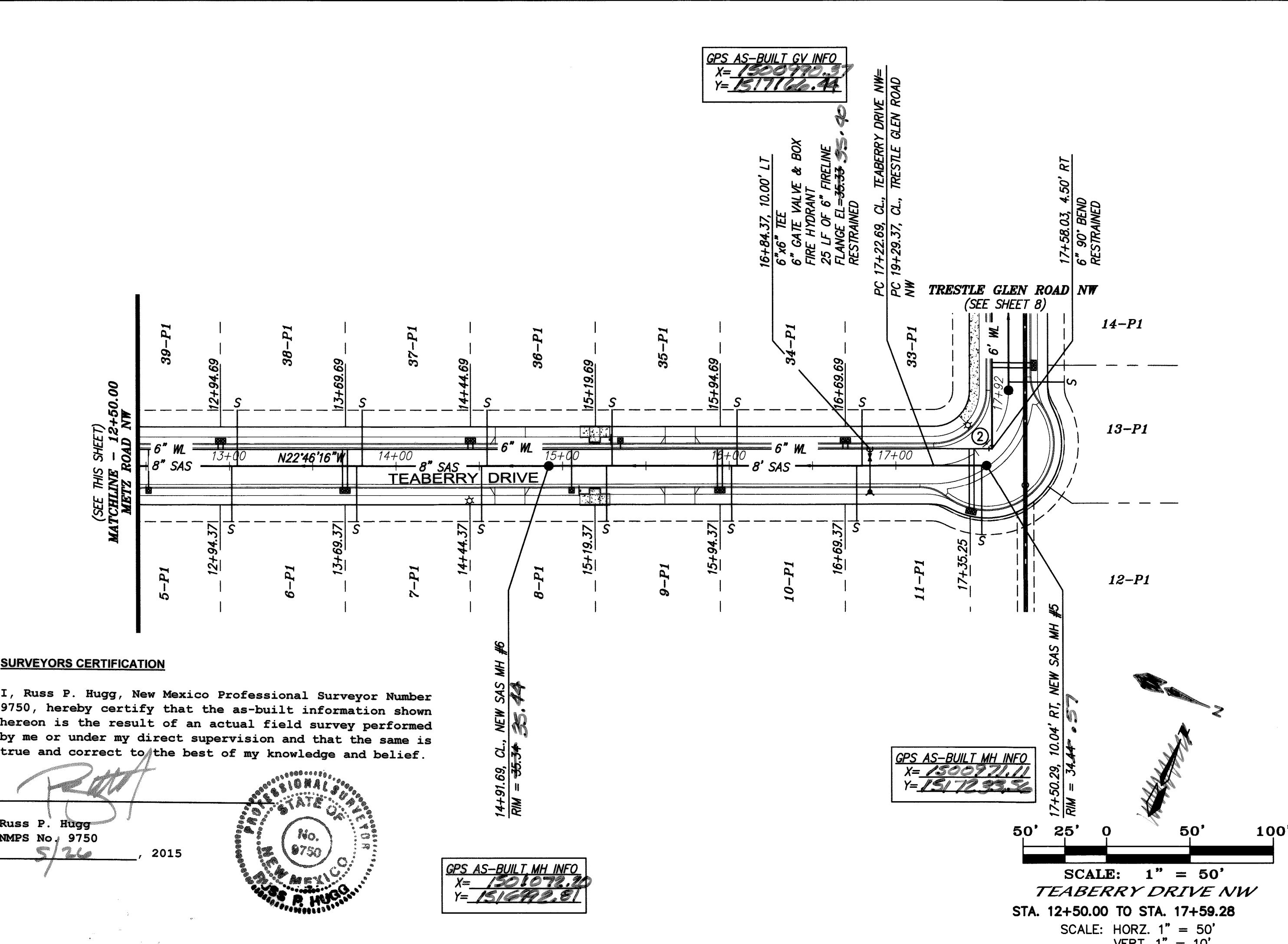
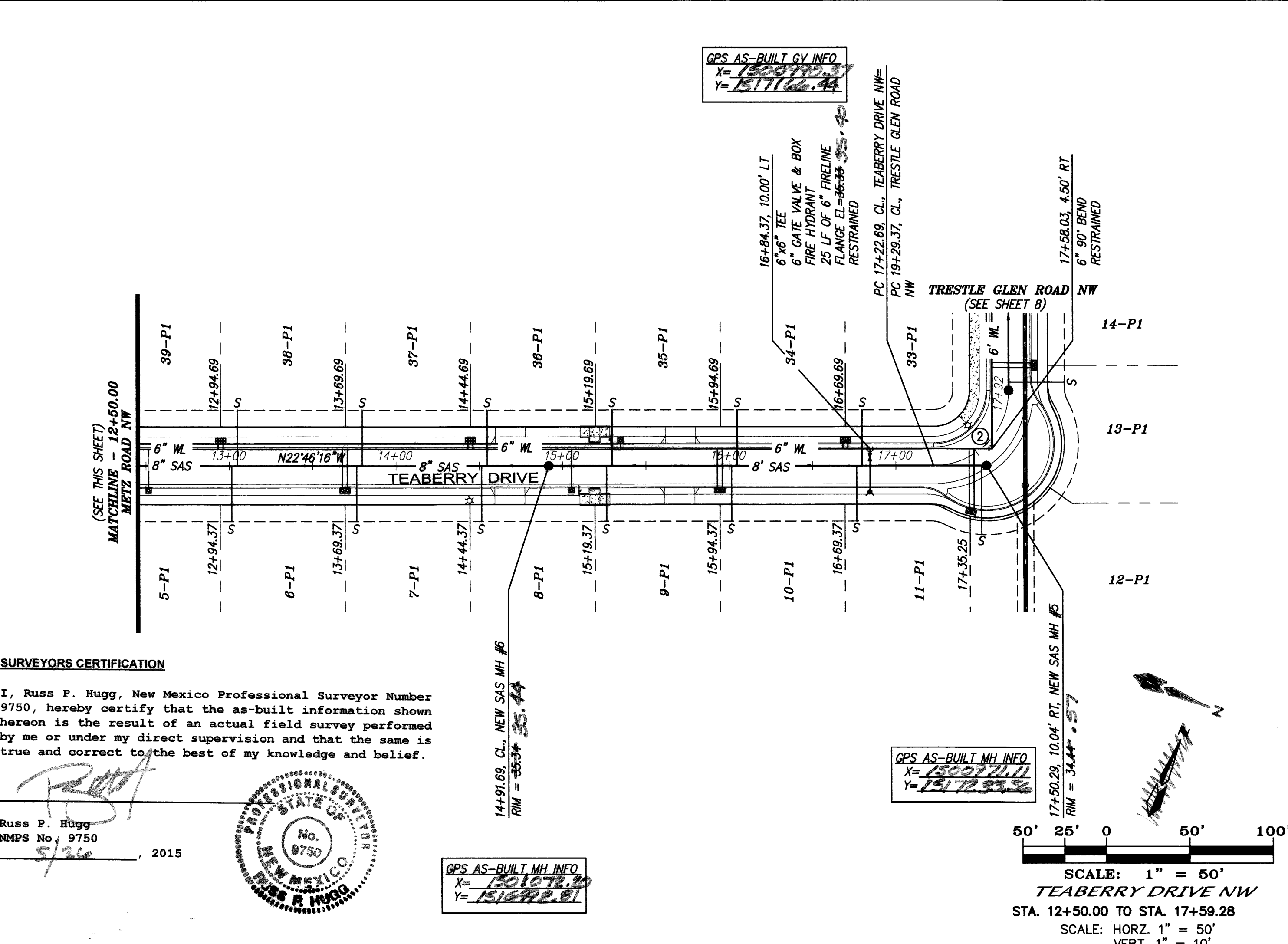
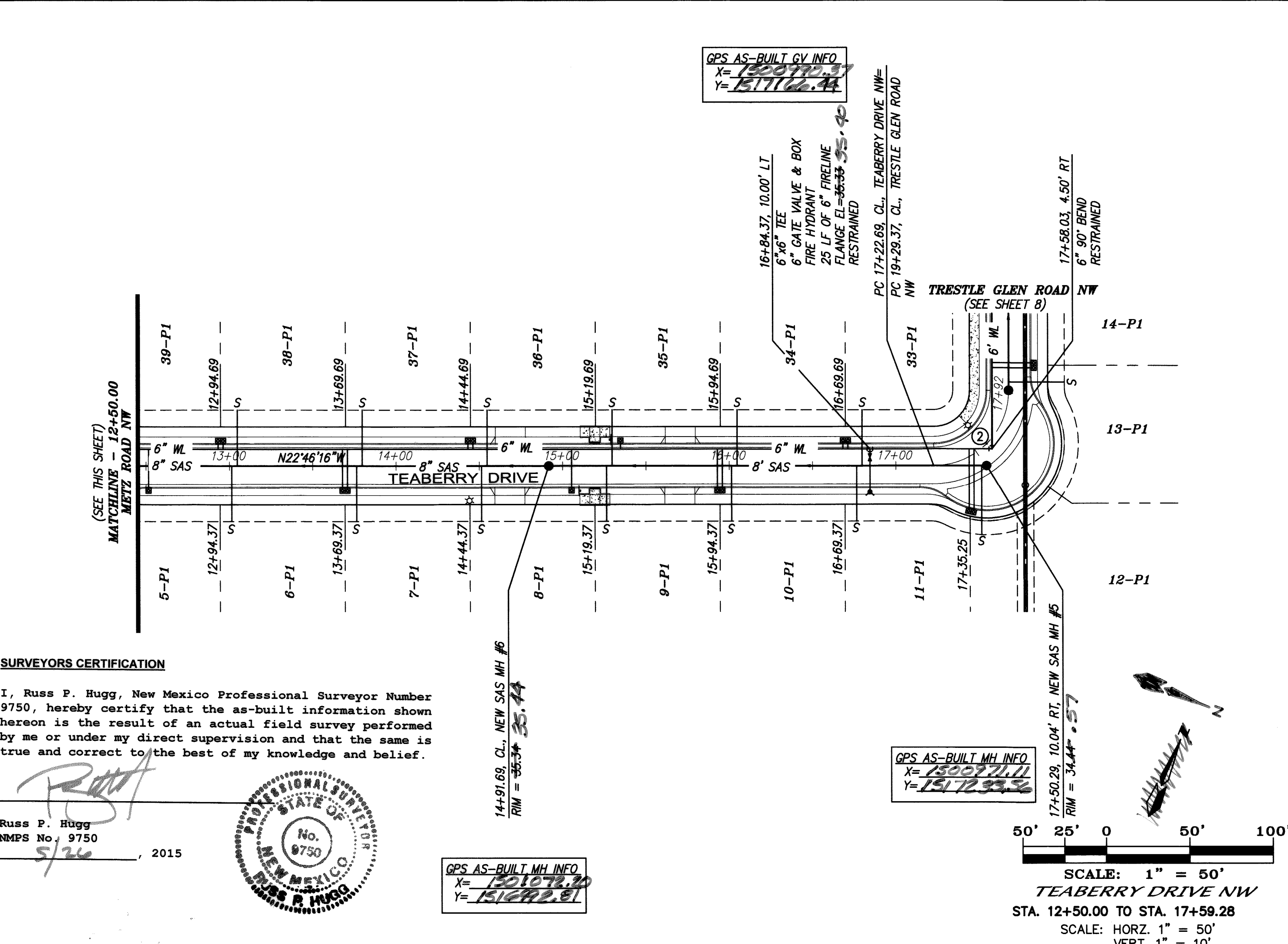
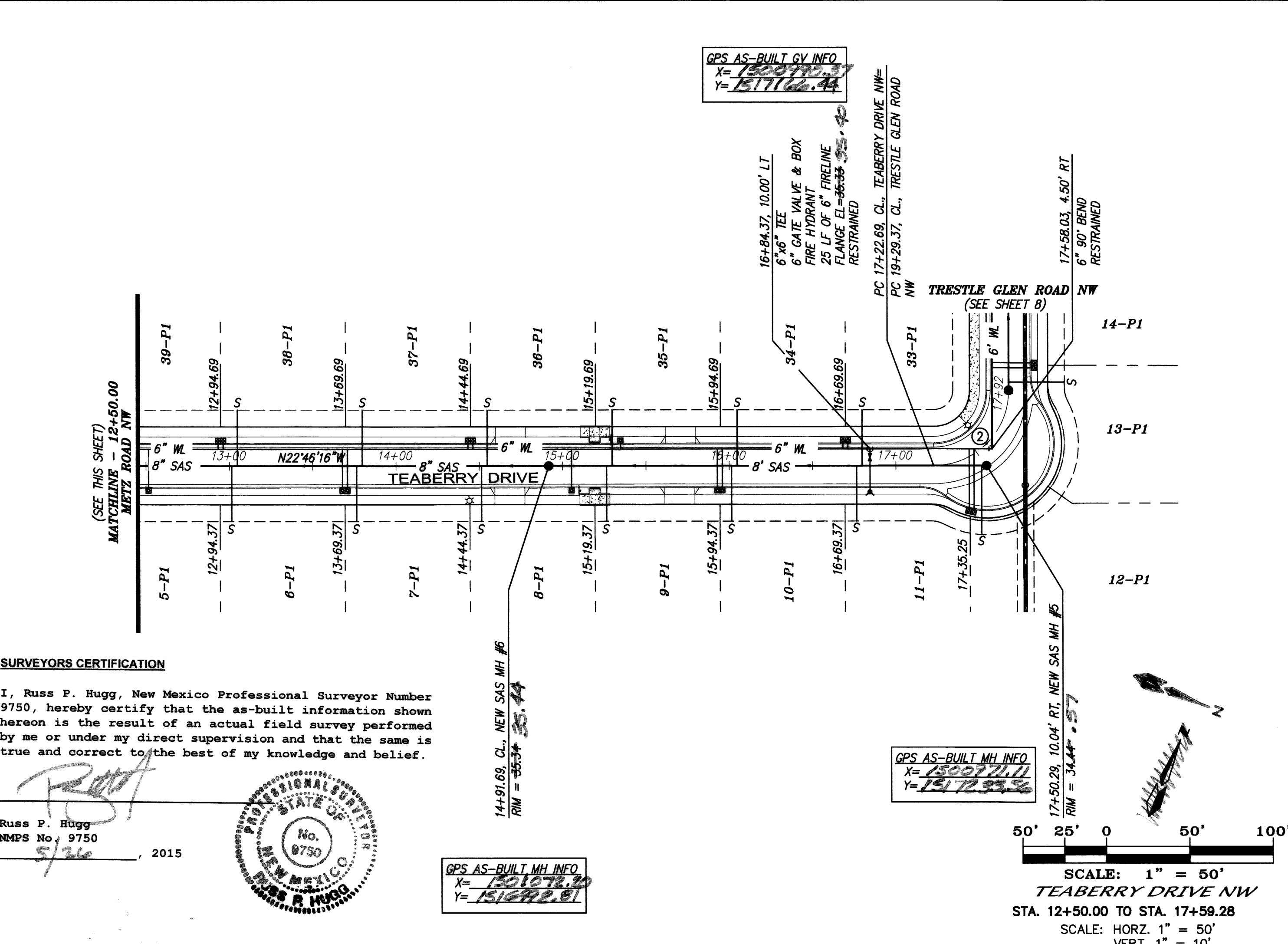
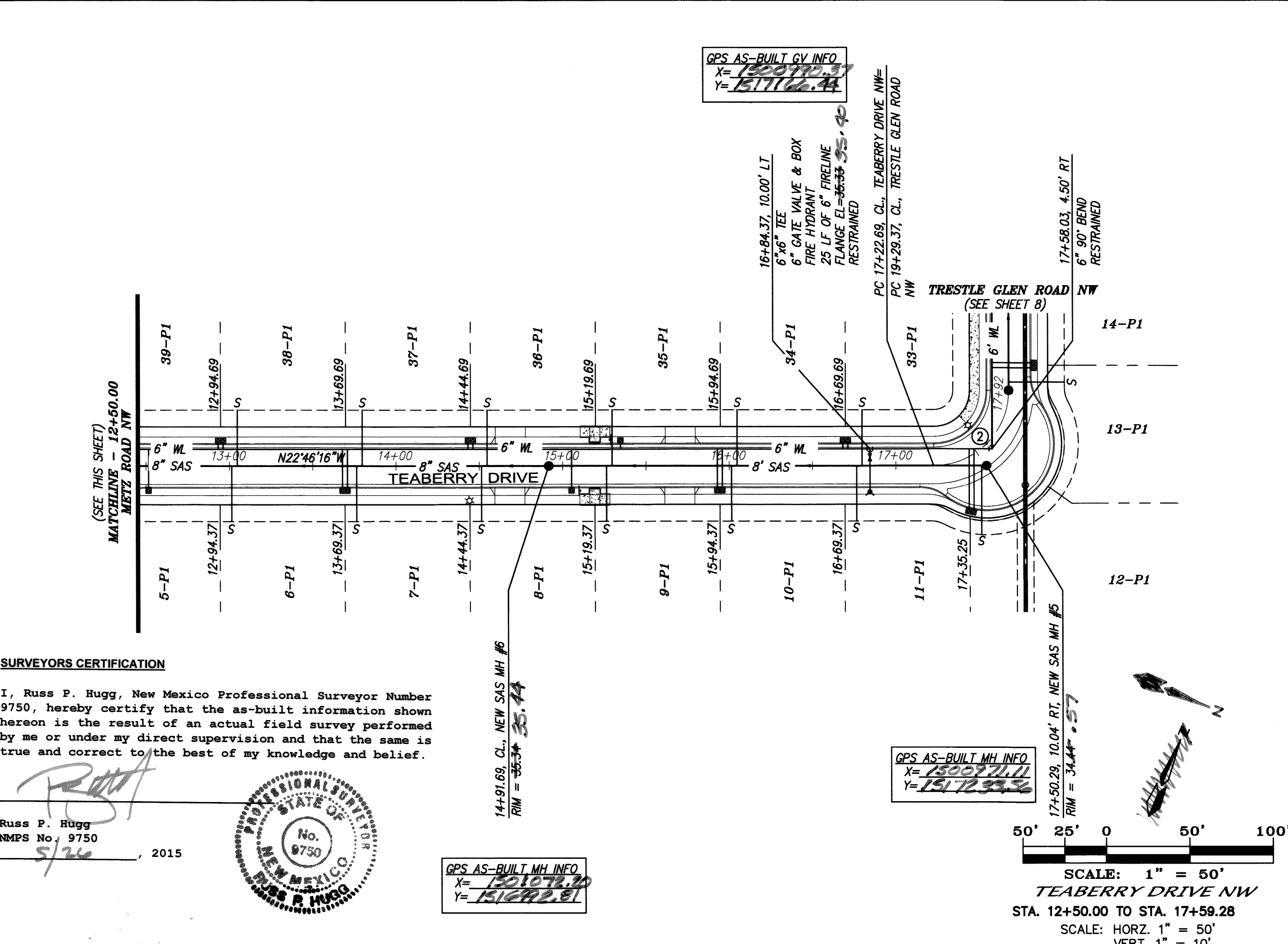
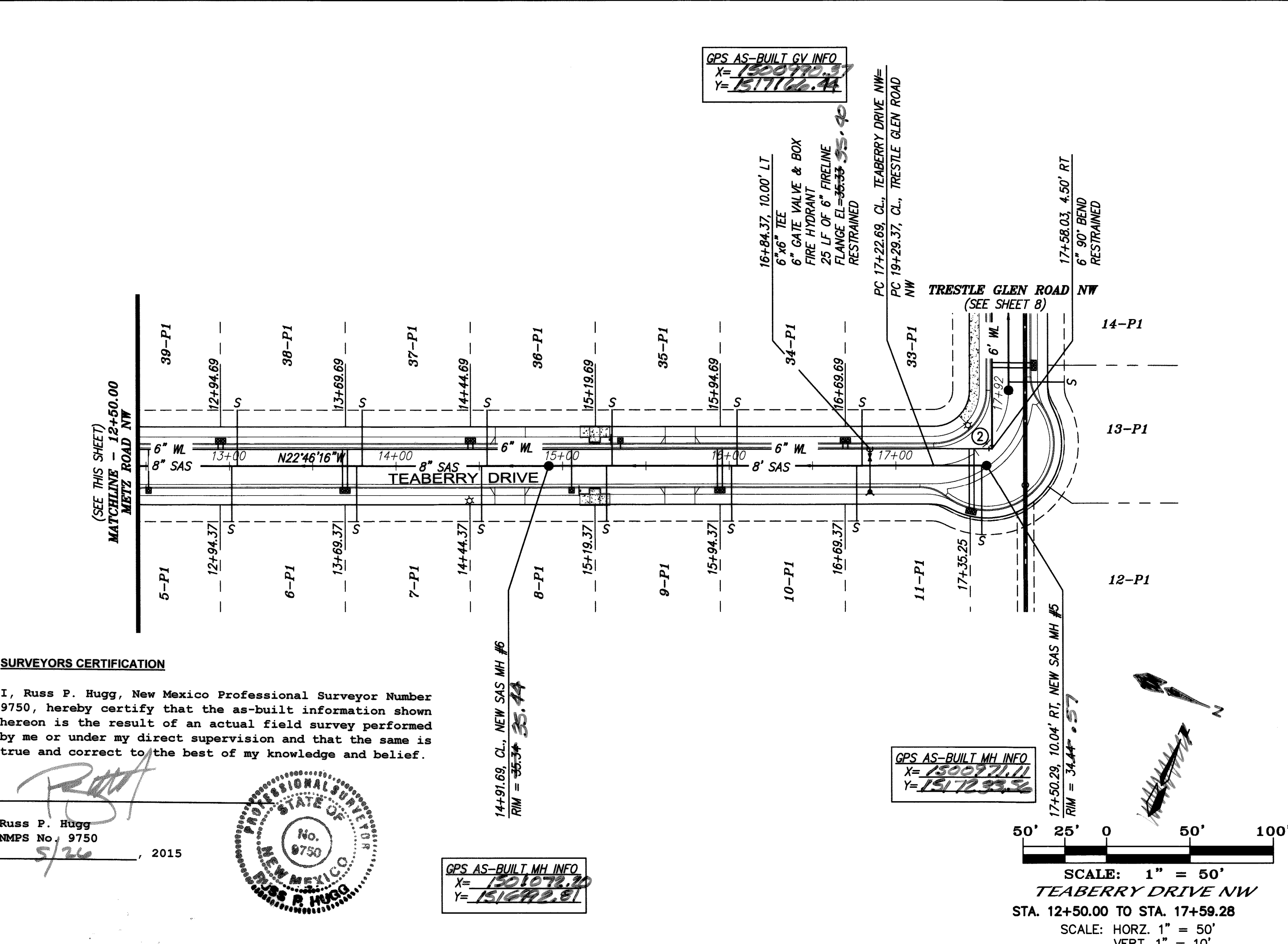
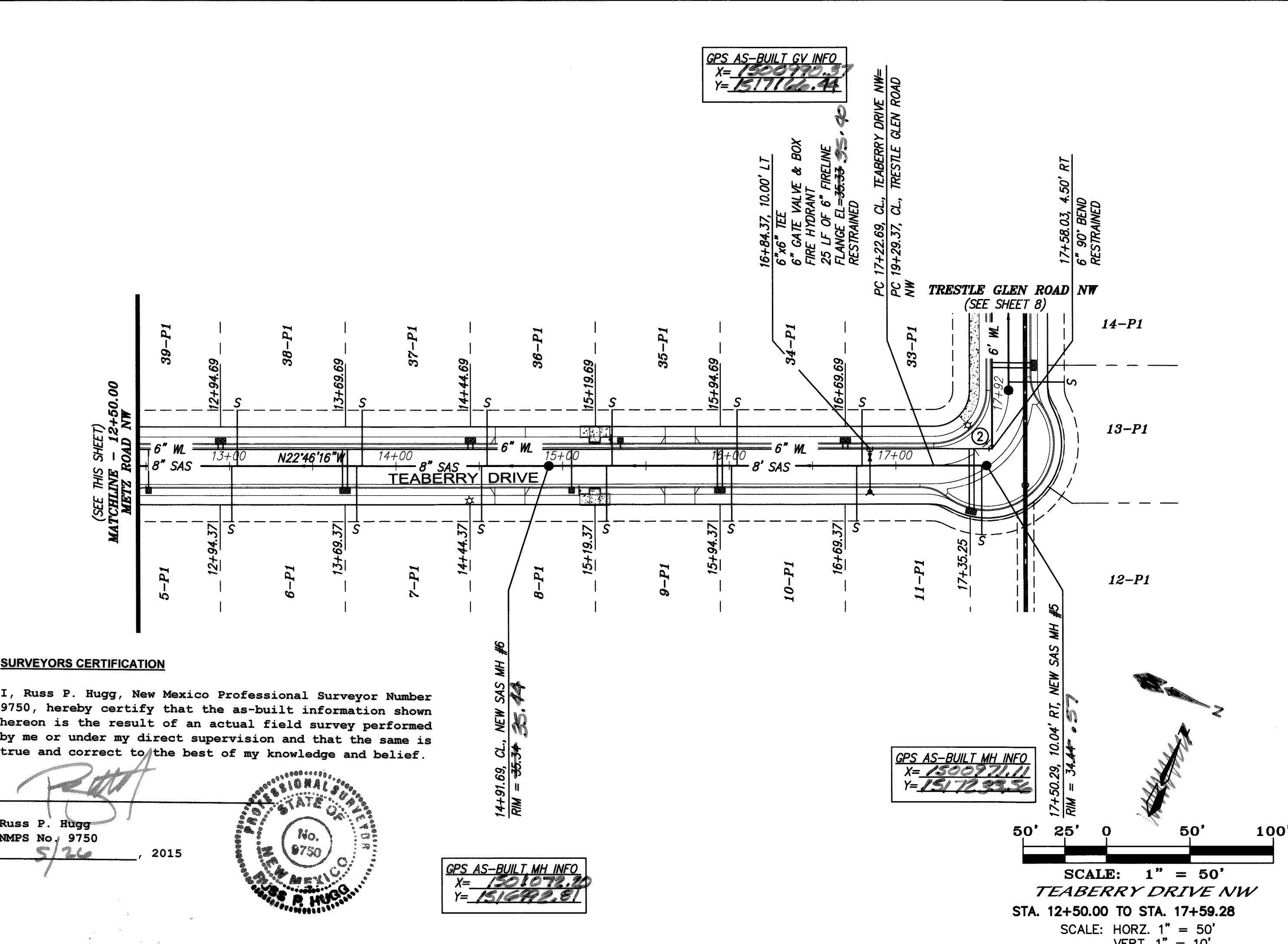
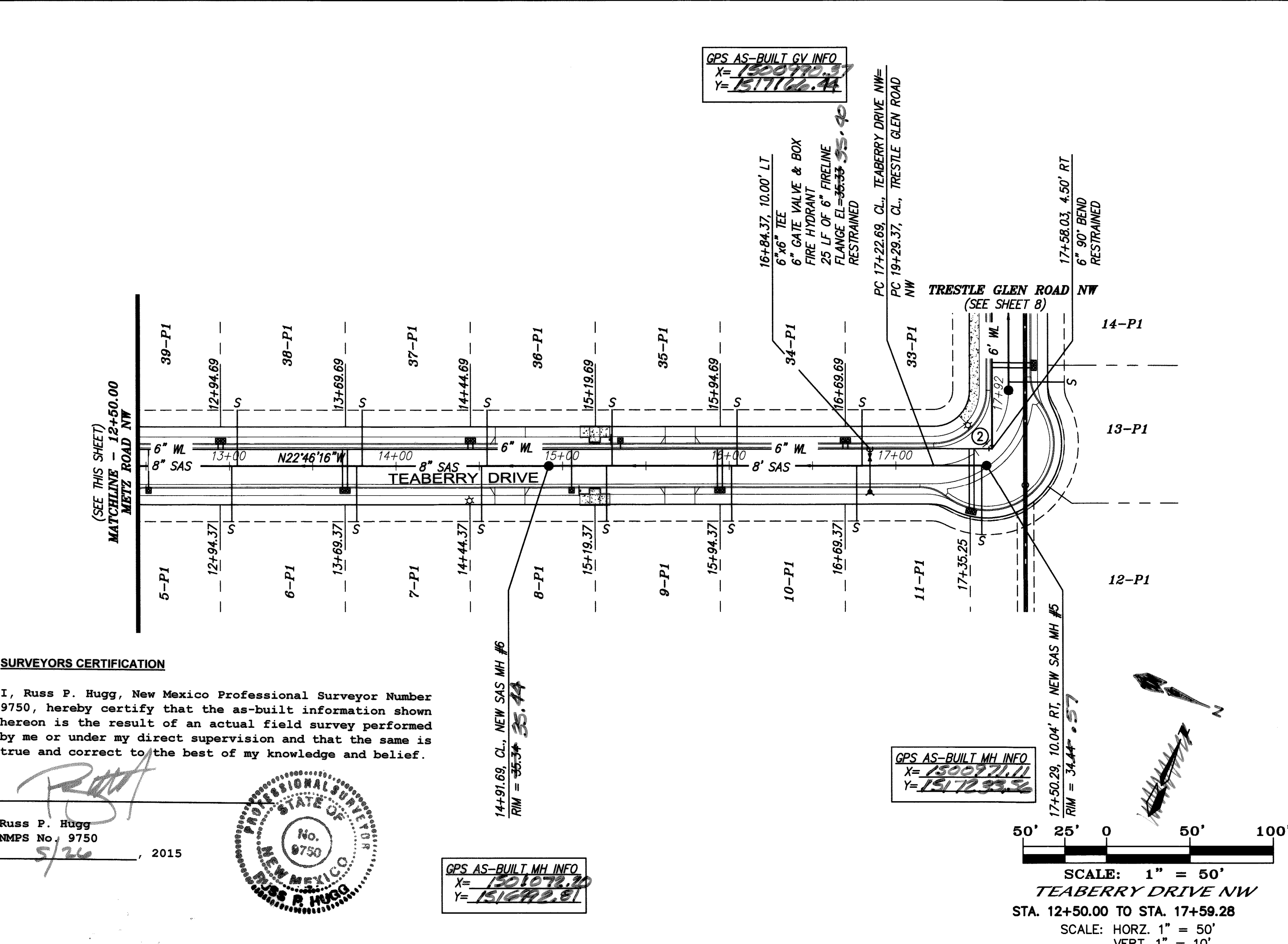
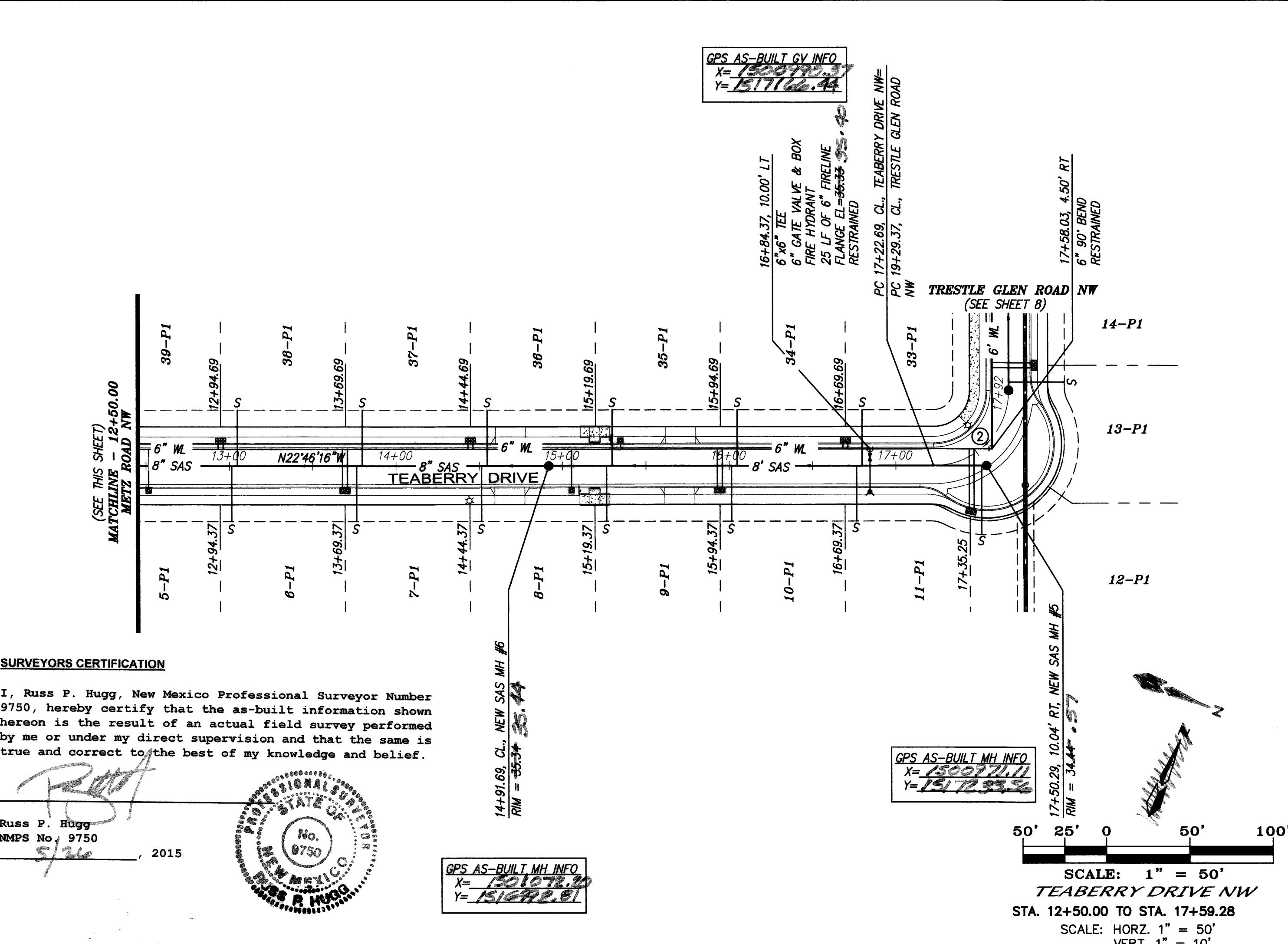
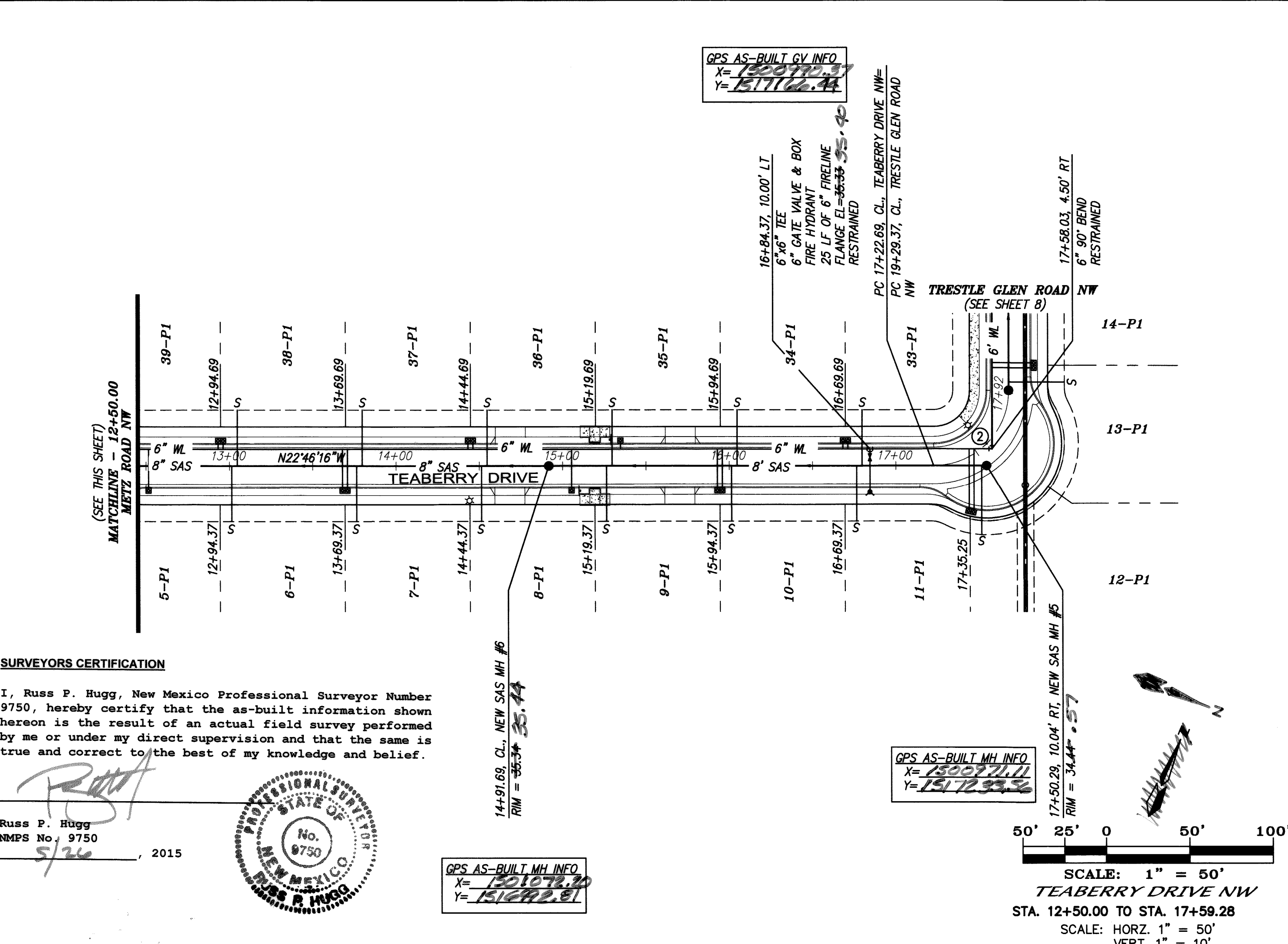
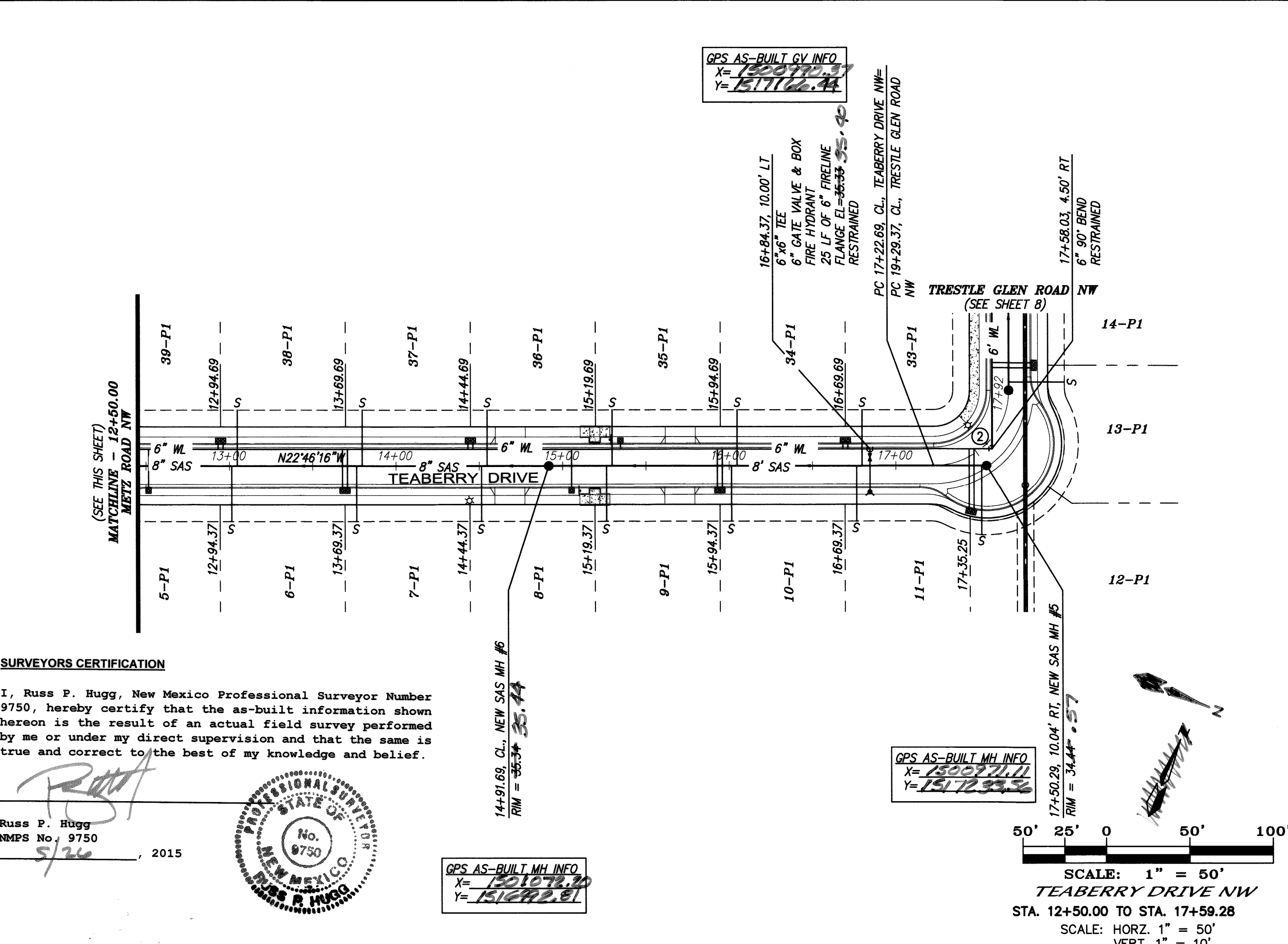
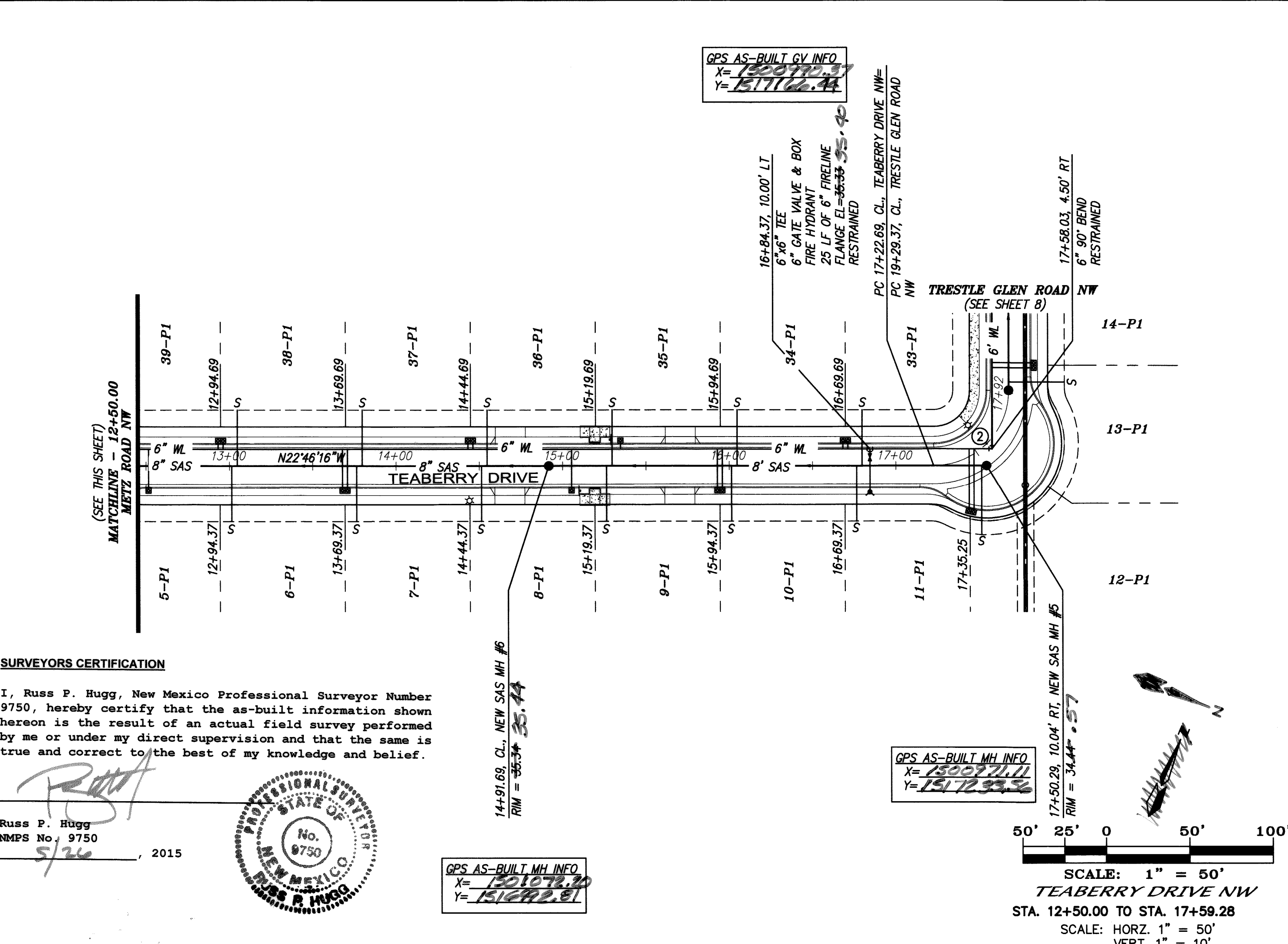
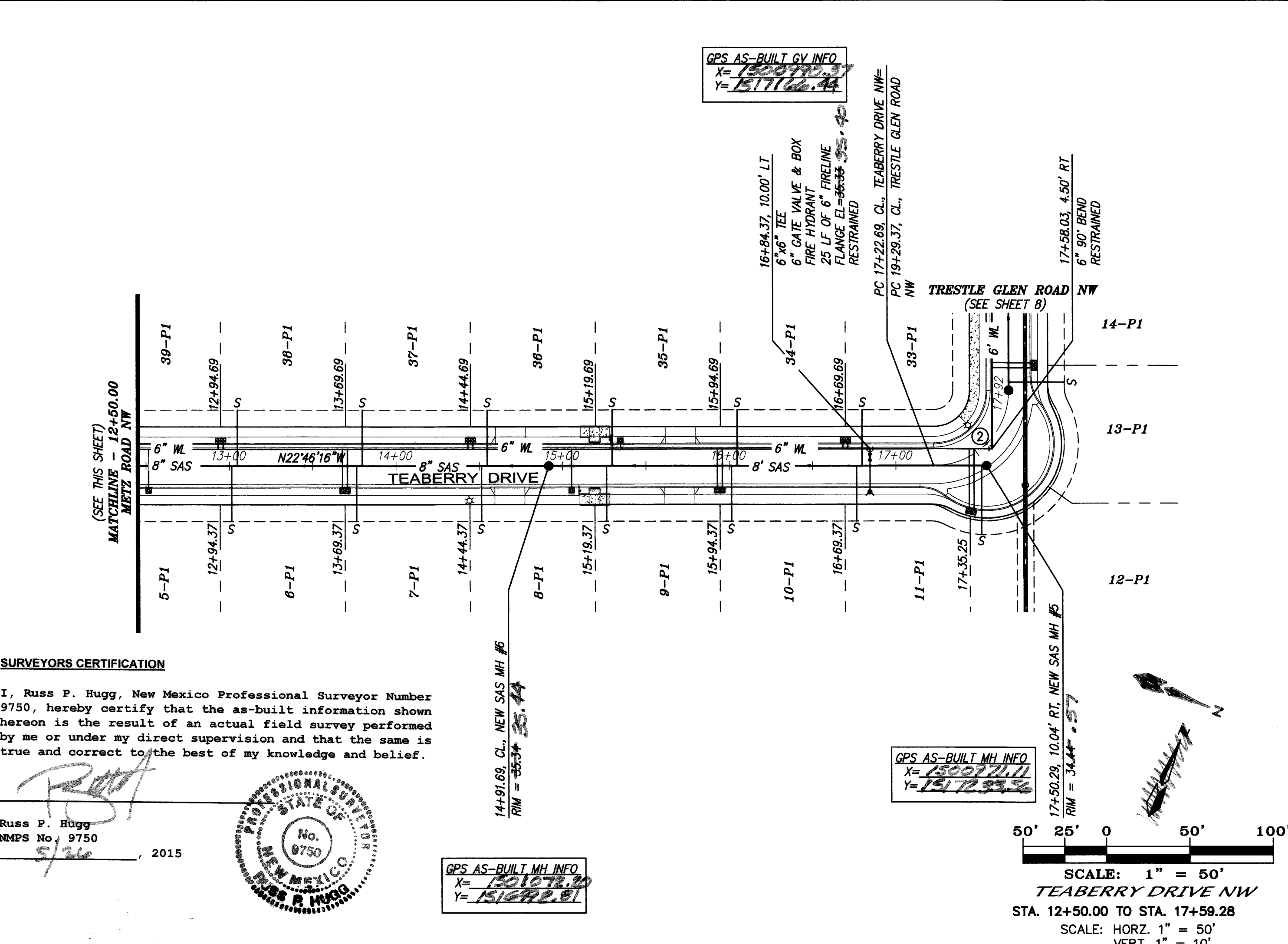
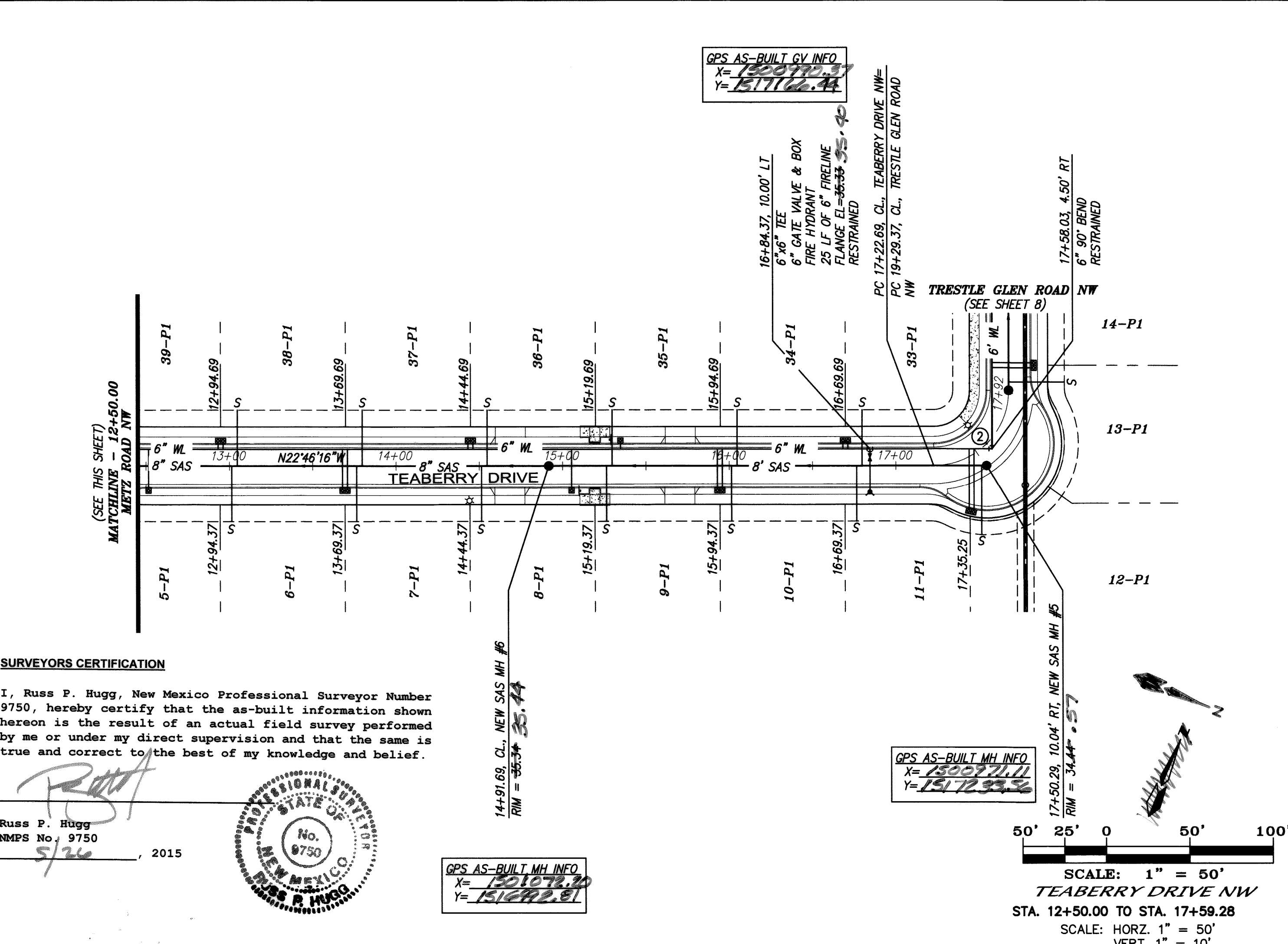
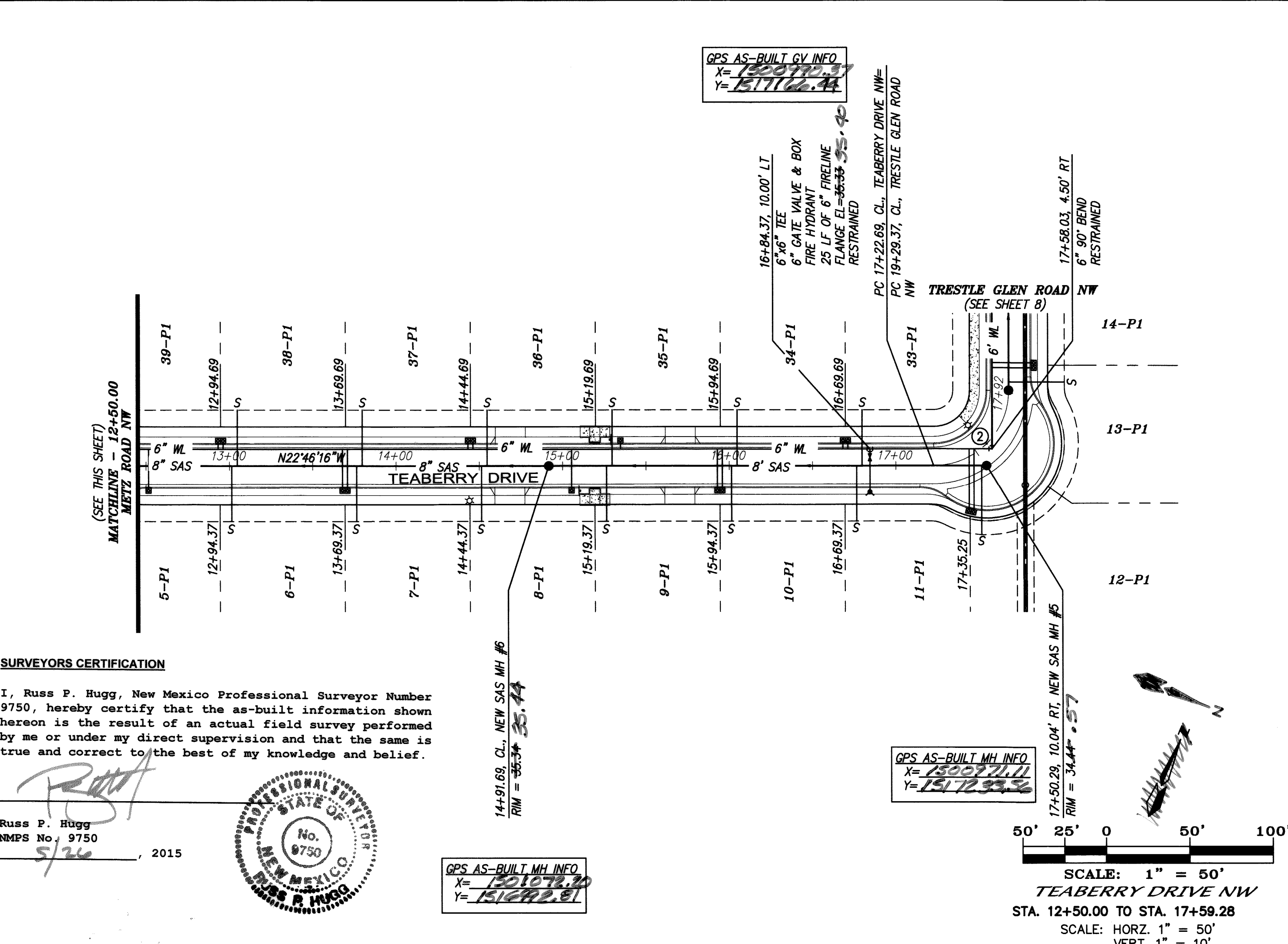
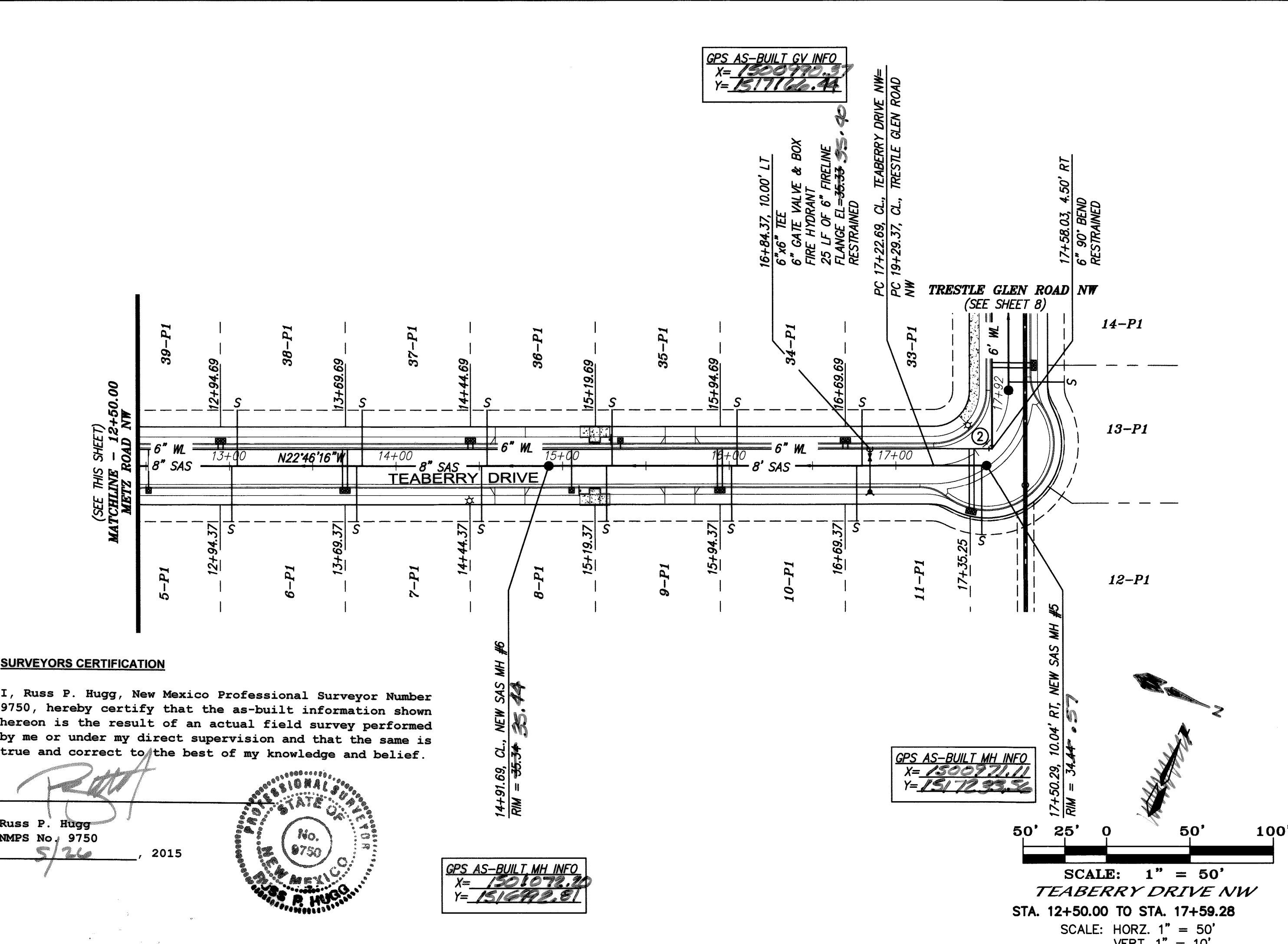
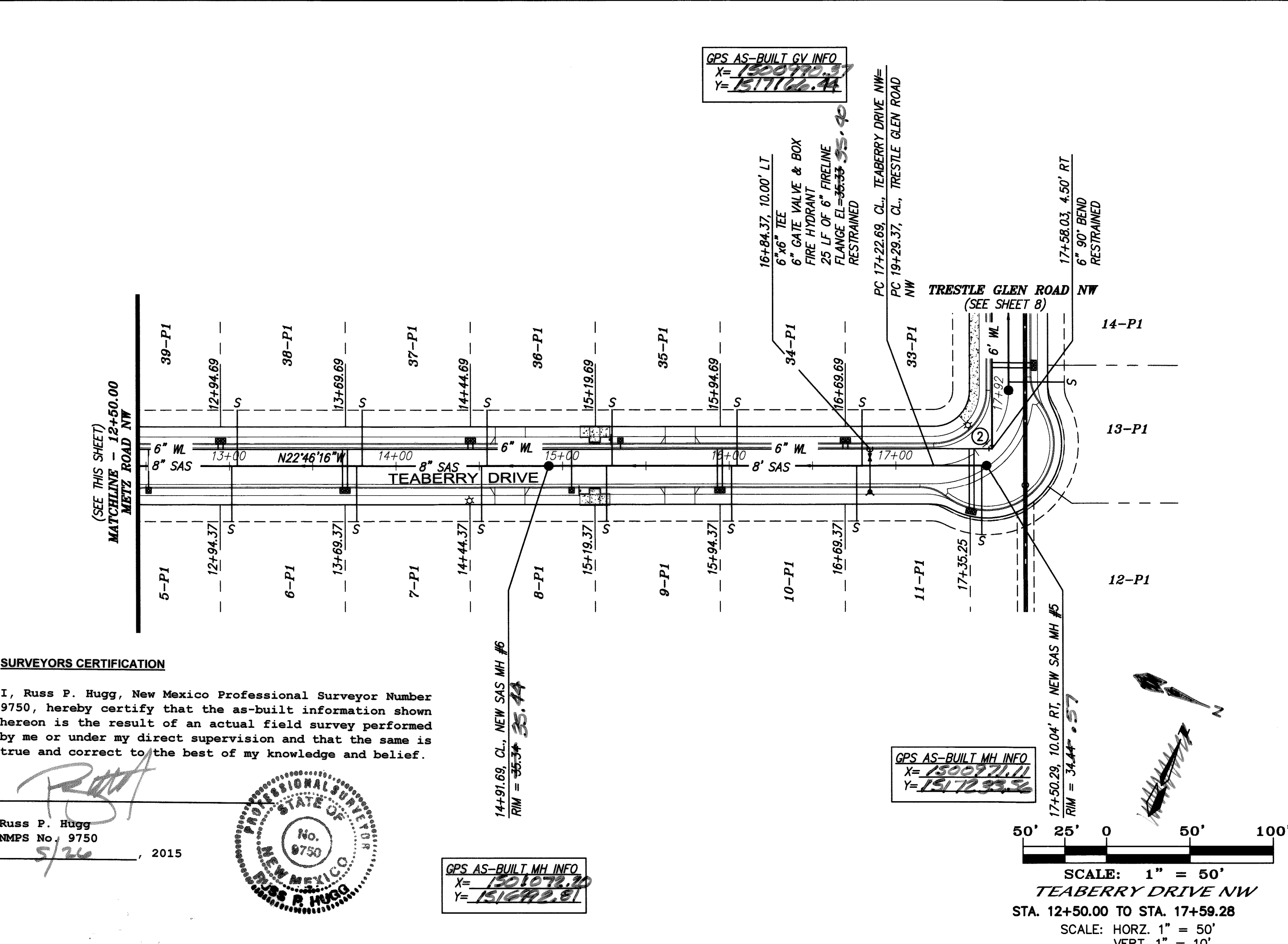
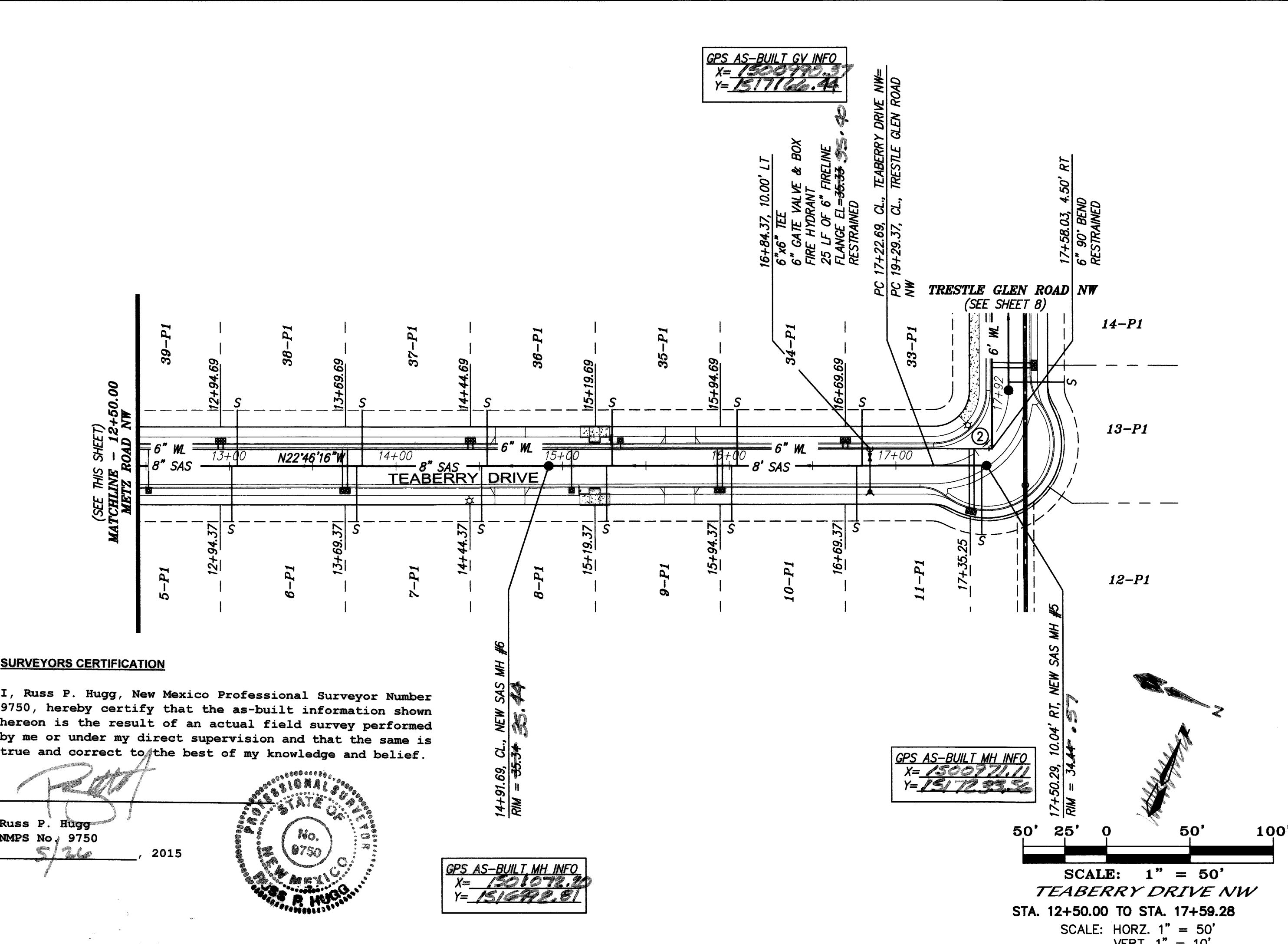
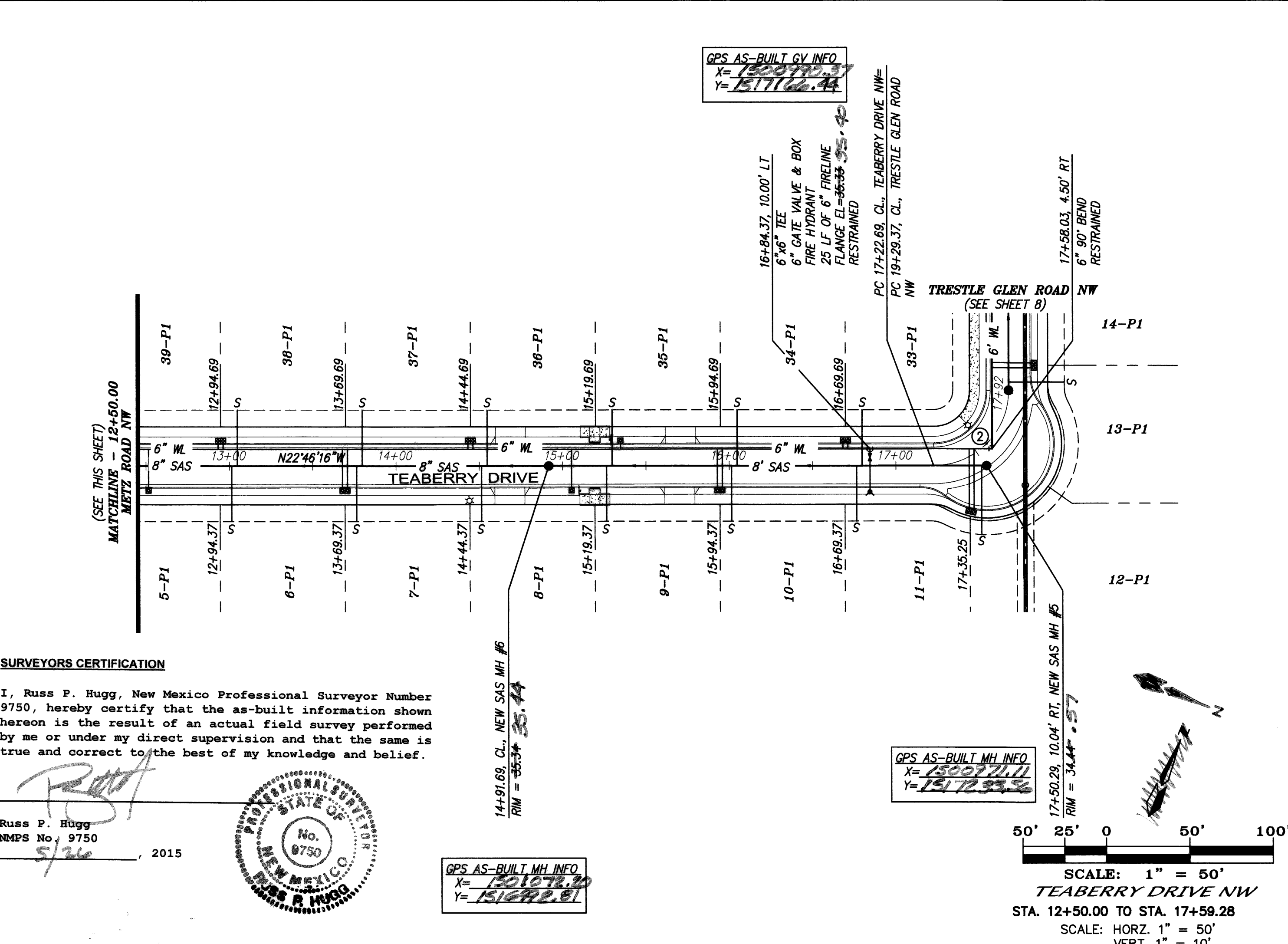
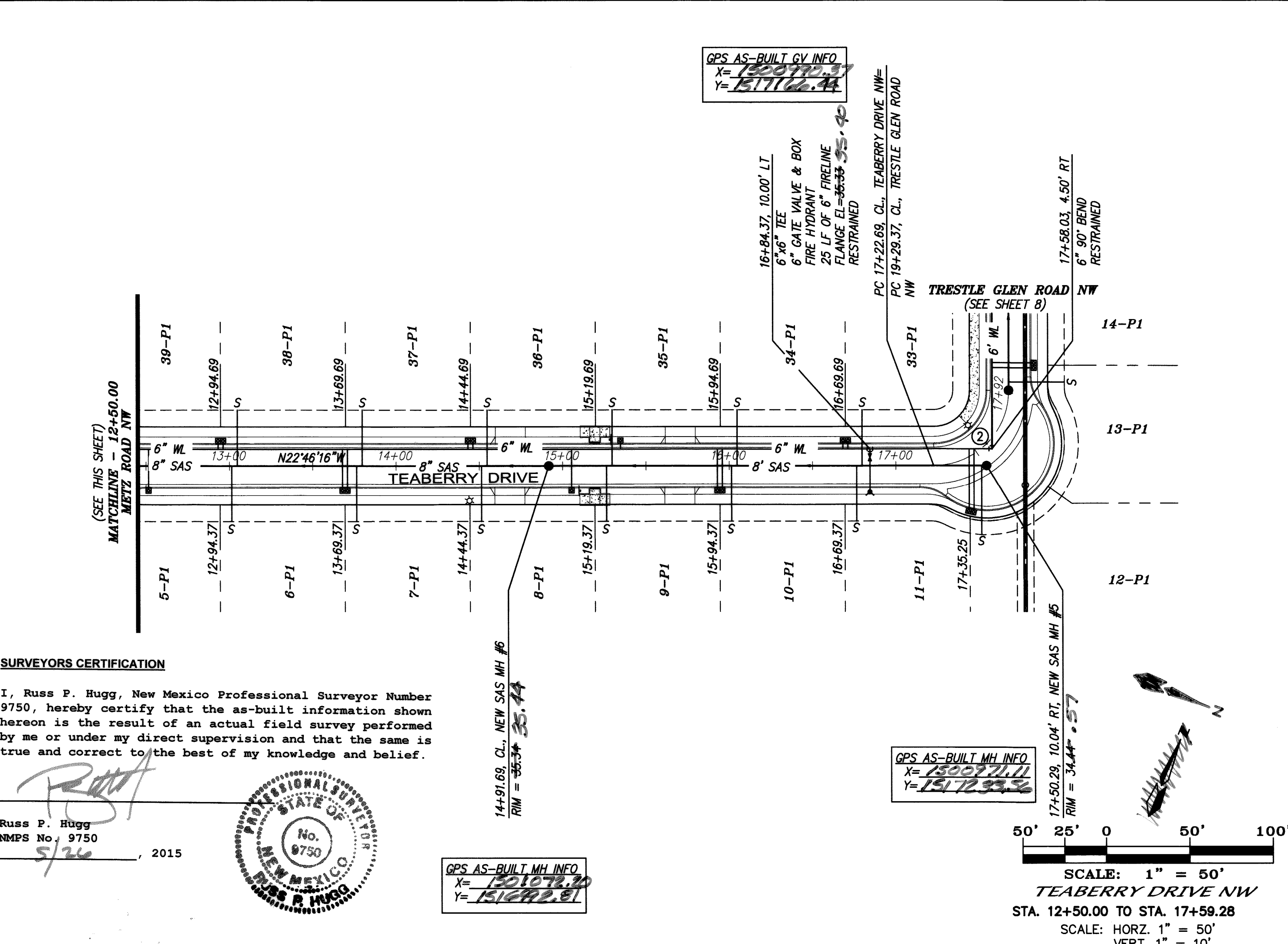
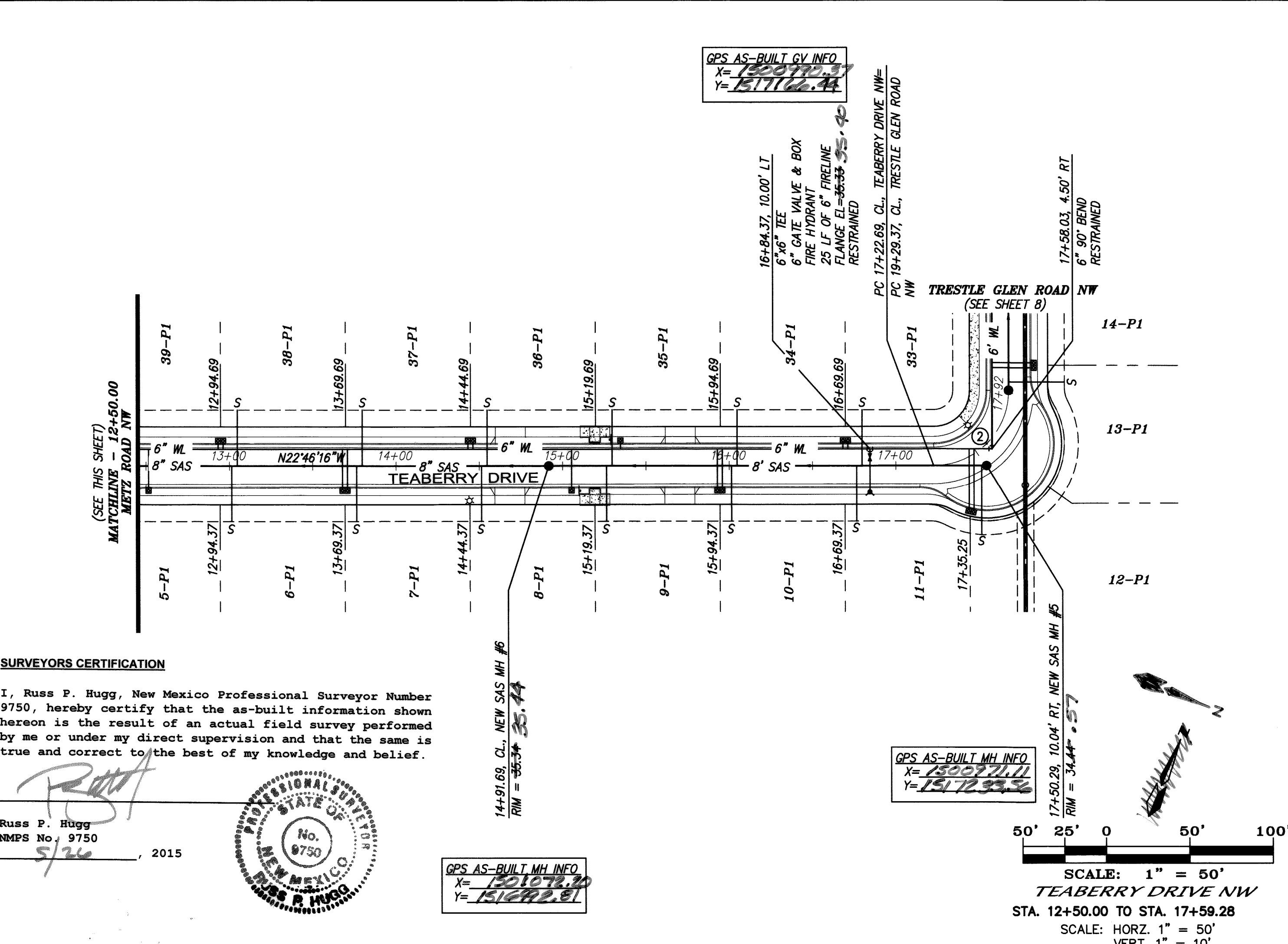
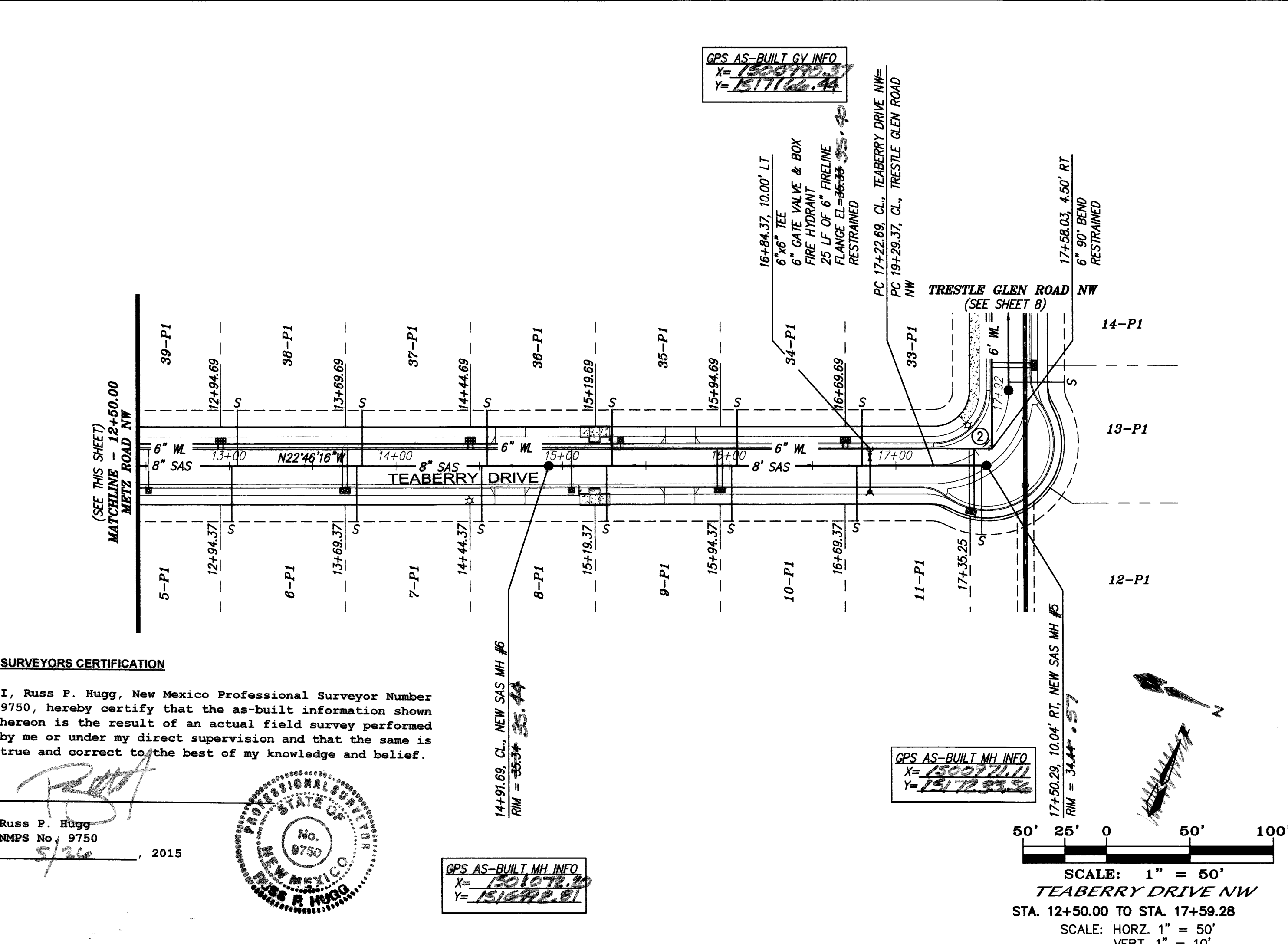
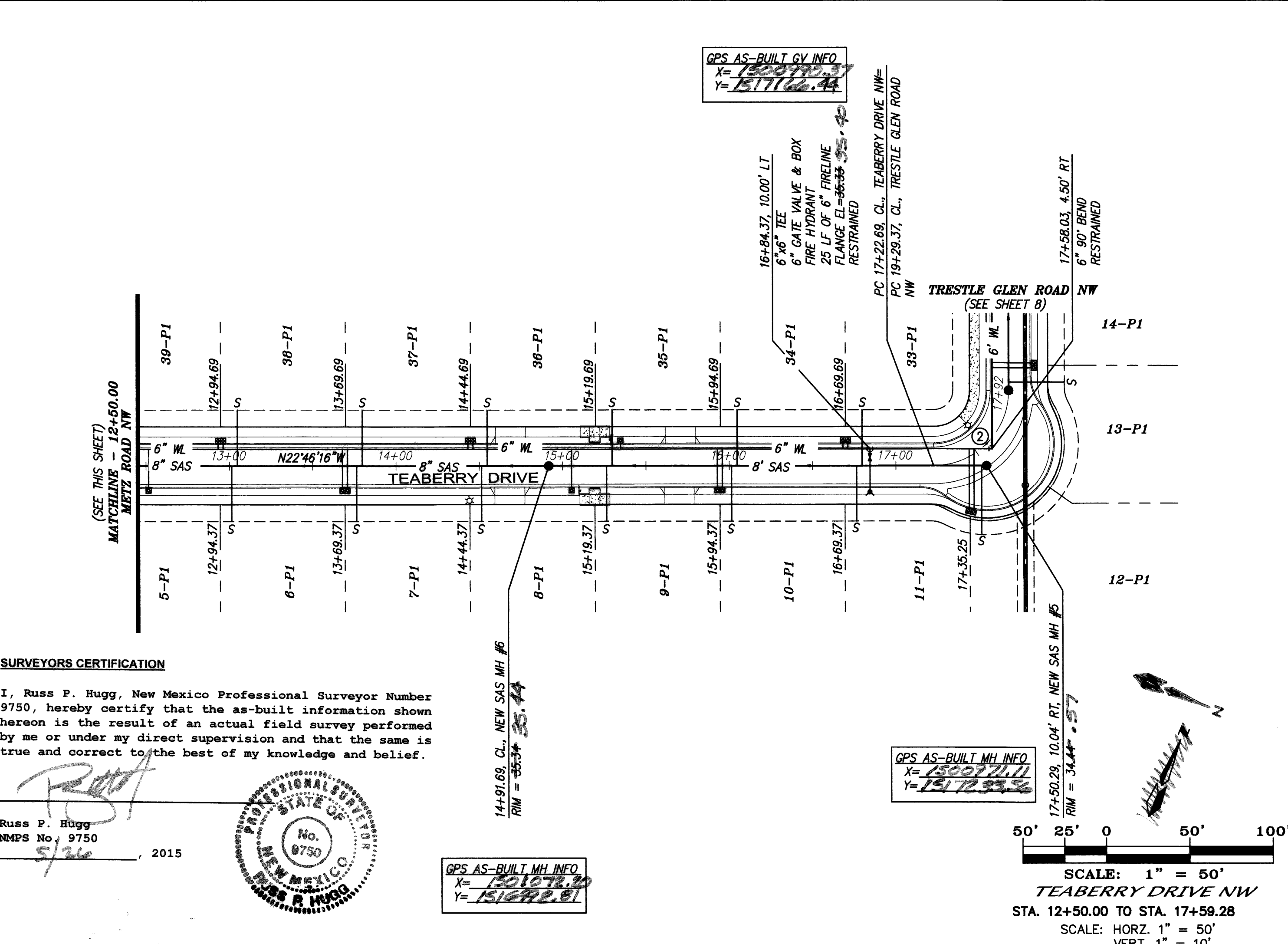
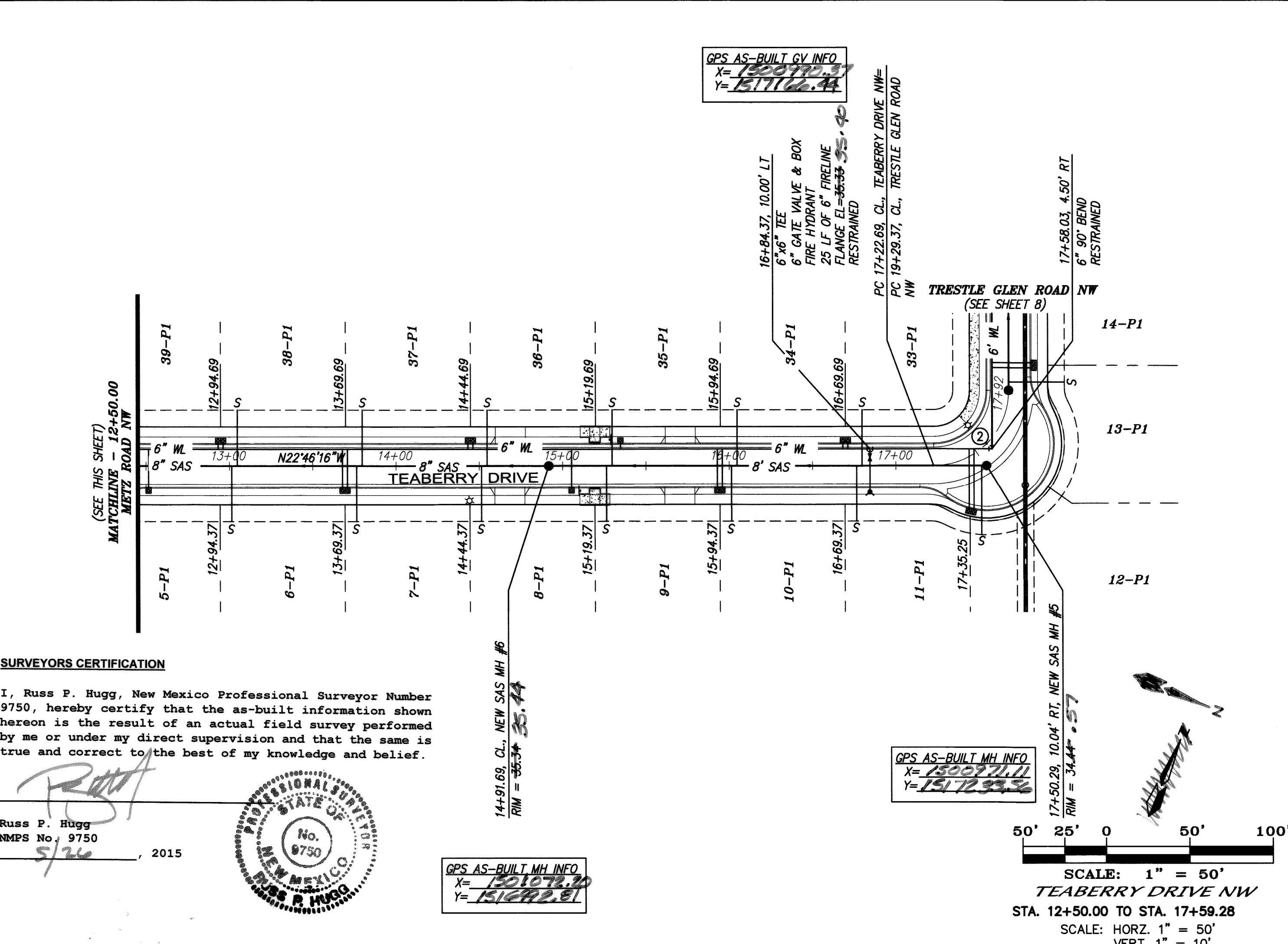
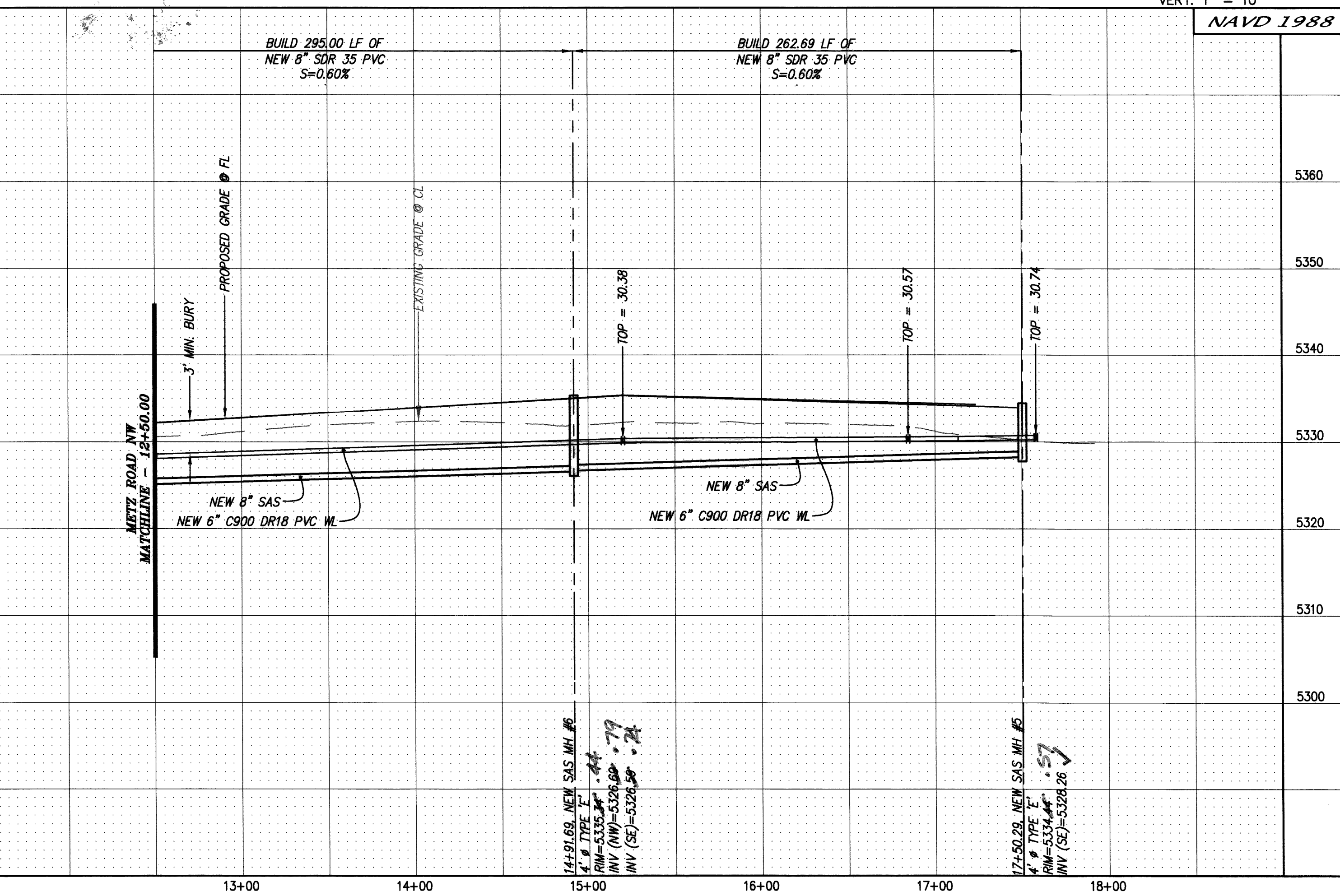
SURVEYORS CERTIFICATION

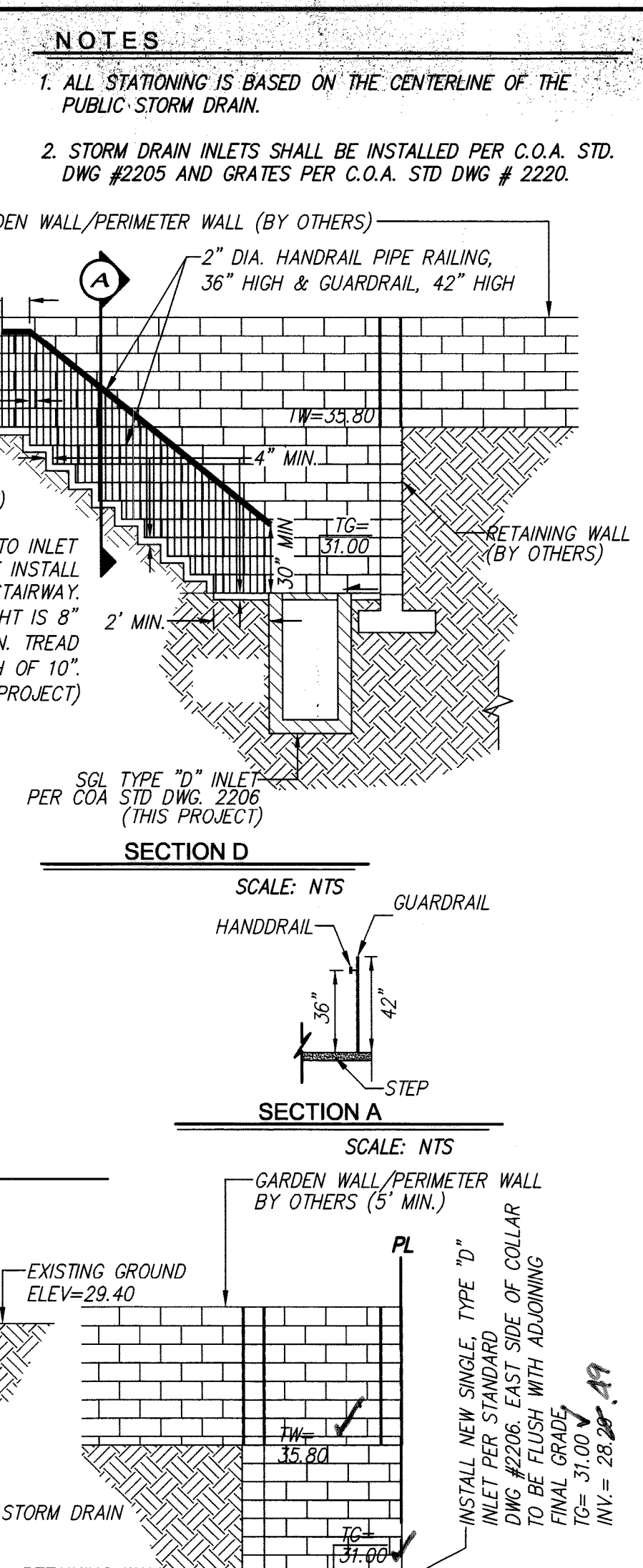
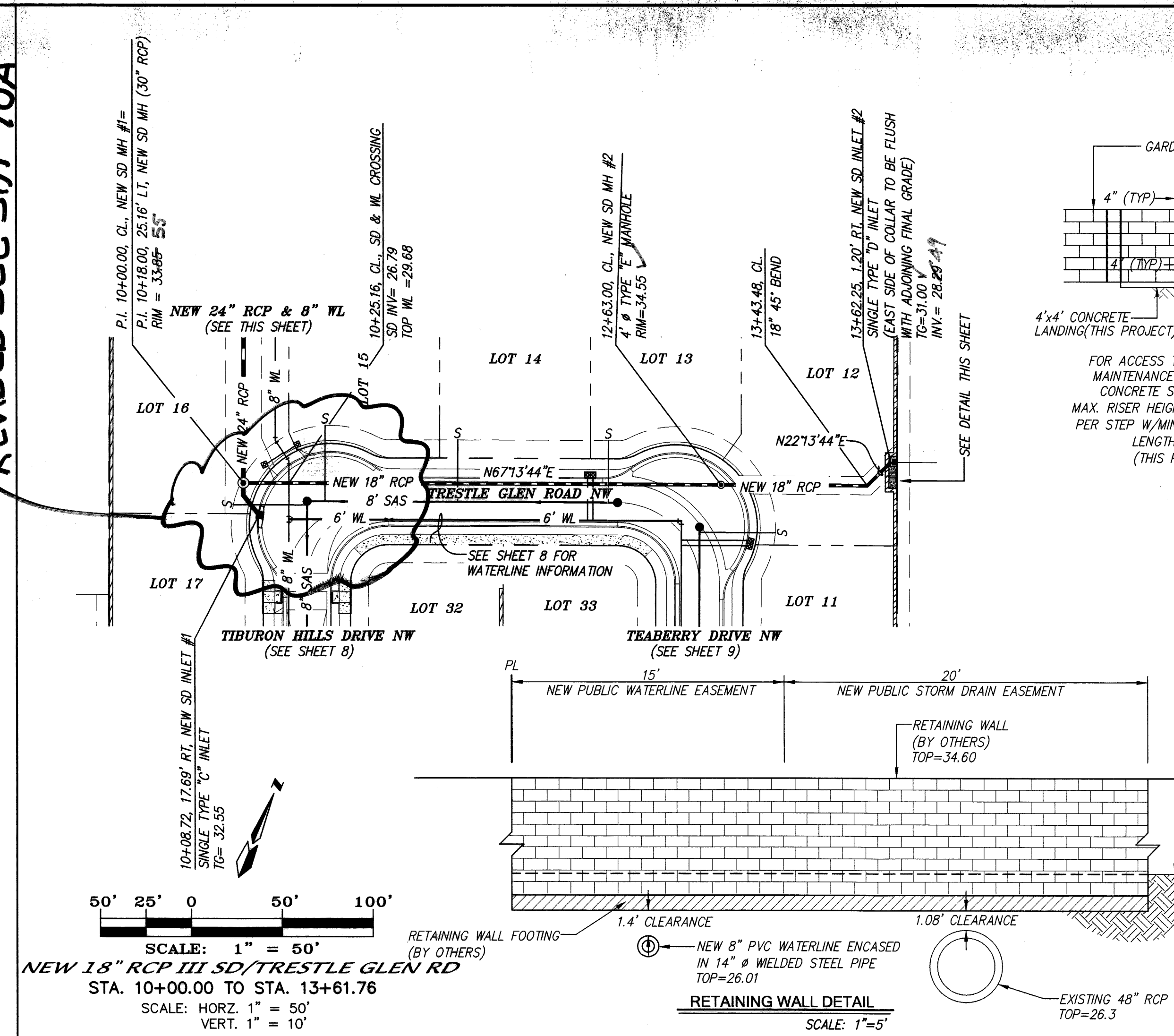
I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
5/26, 2015



GPS AS-BUILT MH INFO
X= 150107.11
Y= 151723.32





The plan view shows a sewer line project with two main sections. The left section starts at station 10+00 and ends at 13+00, while the right section starts at 10+00 and ends at 14+00. The plan view includes stationing, elevations, and various annotations for construction and existing conditions.

Left Section (10+00 to 13+00):

- 10+00:** NEW 24" RCP III, BUILD 20.73 LF OF 24" RCP III, S=-1.00%, TOP = 28.77, Q=22 cfs, V=2.3 fps.
- 10+20.00:** NEW 24" RCP III, BUILD 82.77 LF OF 24" RCP III, S=-1.00%, TOP = 28.52, PROPOSED GRADE @ CL WL, 11+02.00, 8" VERTICAL BEND, TOP = 28.01.
- 11+00:** EX 24" RCP III, BUILD 10.0 LF OF EX 24" RCP III, S=-2.00%, TOP = 28.41, 11+25.19(C/L), 11+17.25, 8" VERTICAL BEND, TOP = 28.01.
- 11+00 to 12+00:** EX 48" RCP III, 160.00 LF OF EX 48" RCP III, S=-0.86%, 3" MIN. BURY, EXISTING GRADE @ CL, APPROXIMATE LOCATION OF TOP OF BEDROCK.
- 12+00:** NEW 8" C900 DR18 PVC WL, EX 48" RCP III, HGL, STA 11+20.19-11+30.19, ENCASE 8" PVC WATERLINE WITHIN 10 LF OF NEW 14" 4 WELDED STEEL PIPE CASING PER ABRAMA STD. DIM #2380.
- 12+00 to 13+00:** EX 48" RCP III, 124.77 LF OF EX 48" RCP III, S=-0.86%, 4" TYPE E, RM=5333.06, INV=5325.06, STA 12+27.09-12+30.00, ENCASE 8" PVC WATERLINE WITHIN 10 LF OF NEW 14" 4 WELDED STEEL PIPE CASING PER ABRAMA STD. DIM #2380.
- 13+00:** EX 48" RCP III, 124.77 LF OF EX 48" RCP III, S=-0.86%, 4" TYPE E, RM=5333.06, INV=5325.06.

Right Section (10+00 to 14+00):

- 10+00:** NEW 8" SAS (FOR INFORMATION ONLY), NEW 6" WL (FOR INFORMATION ONLY), NEW 18" RCP III, APPROXIMATE LOCATION OF TOP OF BEDROCK, Q=10 cfs, V=2.4 fps.
- 10+00 to 11+00:** NEW 18" RCP III, BUILD 26.00 LF OF 18" RCP III, S=0.90%, PROPOSED GRADE @ CL SD, EXISTING GRADE @ CL.
- 11+00 to 12+00:** NEW 18" RCP III, BUILD 98.67 LF OF 18" RCP III, S=0.90%, HGL.
- 12+00 to 13+00:** NEW 18" RCP III, BUILD 26.00 LF OF 18" RCP III, S=0.90%, HGL.
- 13+00 to 14+00:** NEW 18" RCP III, BUILD 98.67 LF OF 18" RCP III, S=0.90%, HGL.
- 14+00:** NEW 18" RCP III, BUILD 98.67 LF OF 18" RCP III, S=0.90%, HGL.

Annotations and Notes:

- 10+02.31, NEW SD INLET #1, SINGLE TYPE D INLET, TOP=5332.35, INV=5325.06, 7'3".
- 10+20.00, 25.16, NEW NEW SD MH #1, 4" TYPE E, RM=5333.06, INV=5325.06, 2'3".
- 11+02.00, EX SD CAP, REMOVE EXISTING SD CAP & CONNECT TO EXISTING 24" RCP, INV=5324.20.
- 11+15.09, 17.50, NEW EX SD MH, 4" TYPE E, RM=5333.06, INV=5325.06, 2'3".
- 11+25.19, EX SD MH, 4" TYPE E, RM=5333.06, INV=5325.06, 2'3".
- 12+27.09, EX SD MH, 4" TYPE E, RM=5333.06, INV=5325.06, 2'3".
- 13+00, EX SD MH, 4" TYPE E, RM=5333.06, INV=5325.06, 2'3".
- 14+00, EX SD MH, 4" TYPE E, RM=5333.06, INV=5325.06, 2'3".
- 14+02.31, NEW SD INLET #2, SINGLE TYPE D INLET, TOP=5332.35, INV=5325.06, 7'3".
- 14+20.00, 25.16, NEW NEW SD MH #2, 4" TYPE E, RM=5333.06, INV=5325.06, 2'3".
- 14+02.31, NEW SD INLET #2, SINGLE TYPE D INLET, TOP=5332.35, INV=5325.06, 7'3".
- 14+20.00, 25.16, NEW NEW SD MH #2, 4" TYPE E, RM=5333.06, INV=5325.06, 2'3".

RETAINING WALL (BY OTHERS)

SECTION C

SCALE: NTS

STORM INLET DETAIL

SCALE: 1\"=10'

ENGINEER'S SEAL

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS

P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

NO.	DATE	REMARKS	BY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

DESIGNED BY	DATE	REVISIONS	DESIGN
JMM	07/13		
DER	07/13		
DMG	07/13		

TITLE:

TIBURON HEIGHTS
NEW RCP SD AND NEW 8" WATERLINE
UTILITY PLAN AND PROFILE

MO./DAY/YR.	MO./DAY/YR.

DESIGN REVIEW COMMITTEE

APPROVE

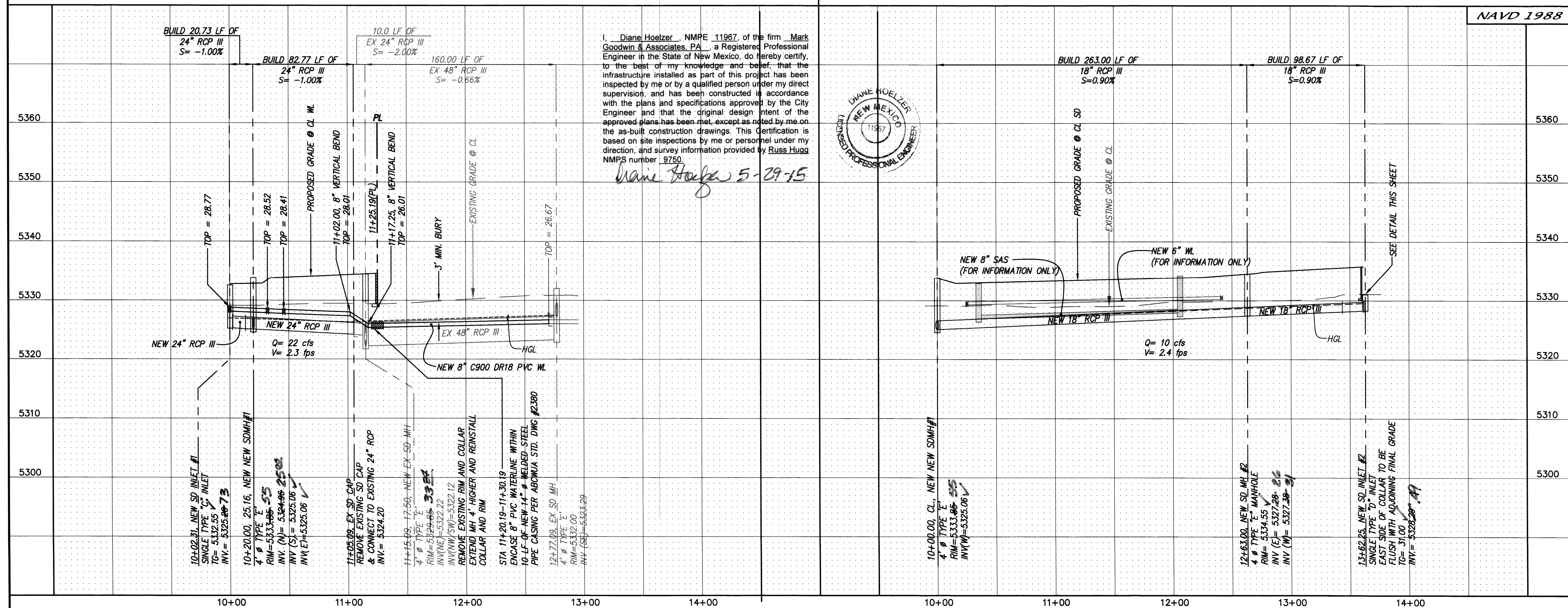
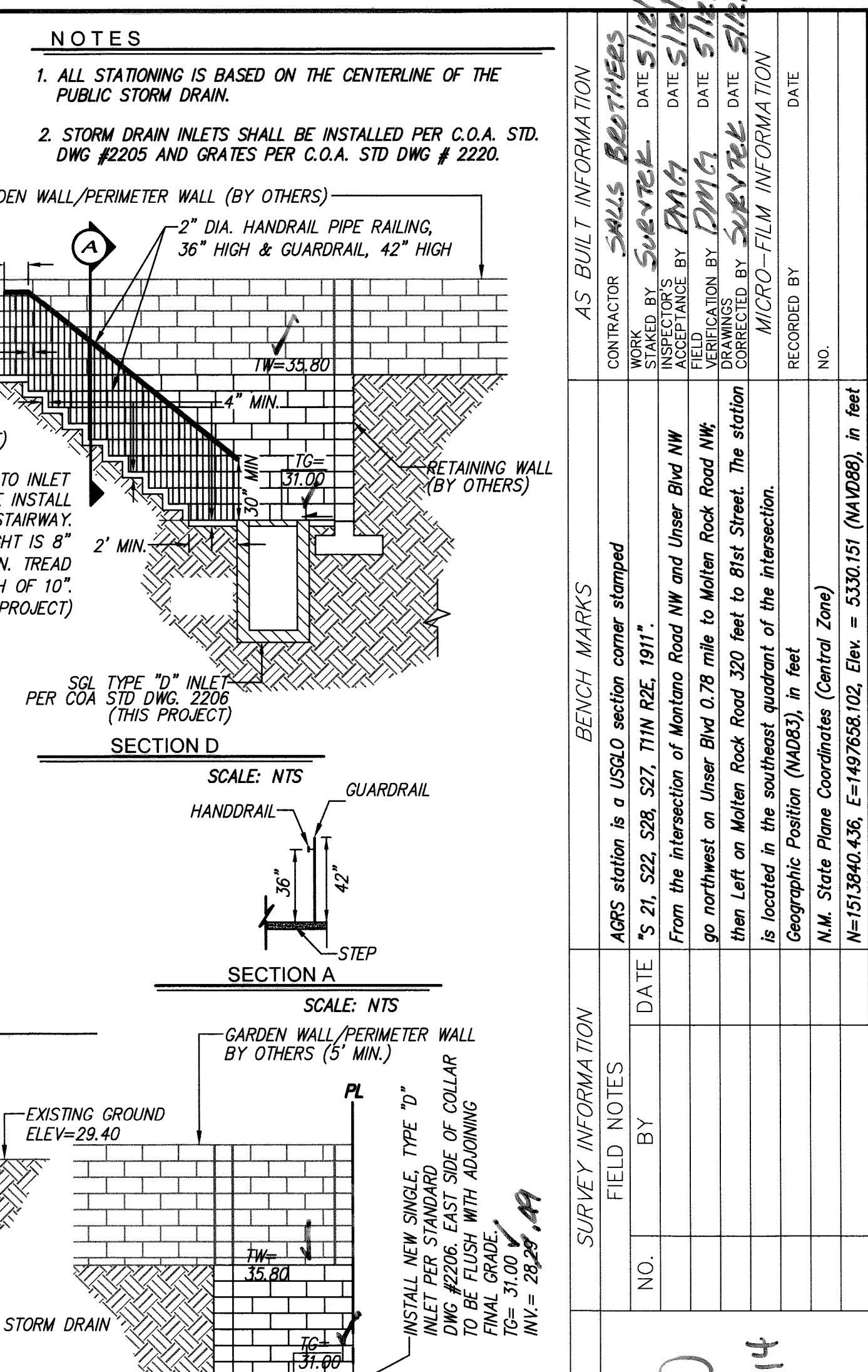
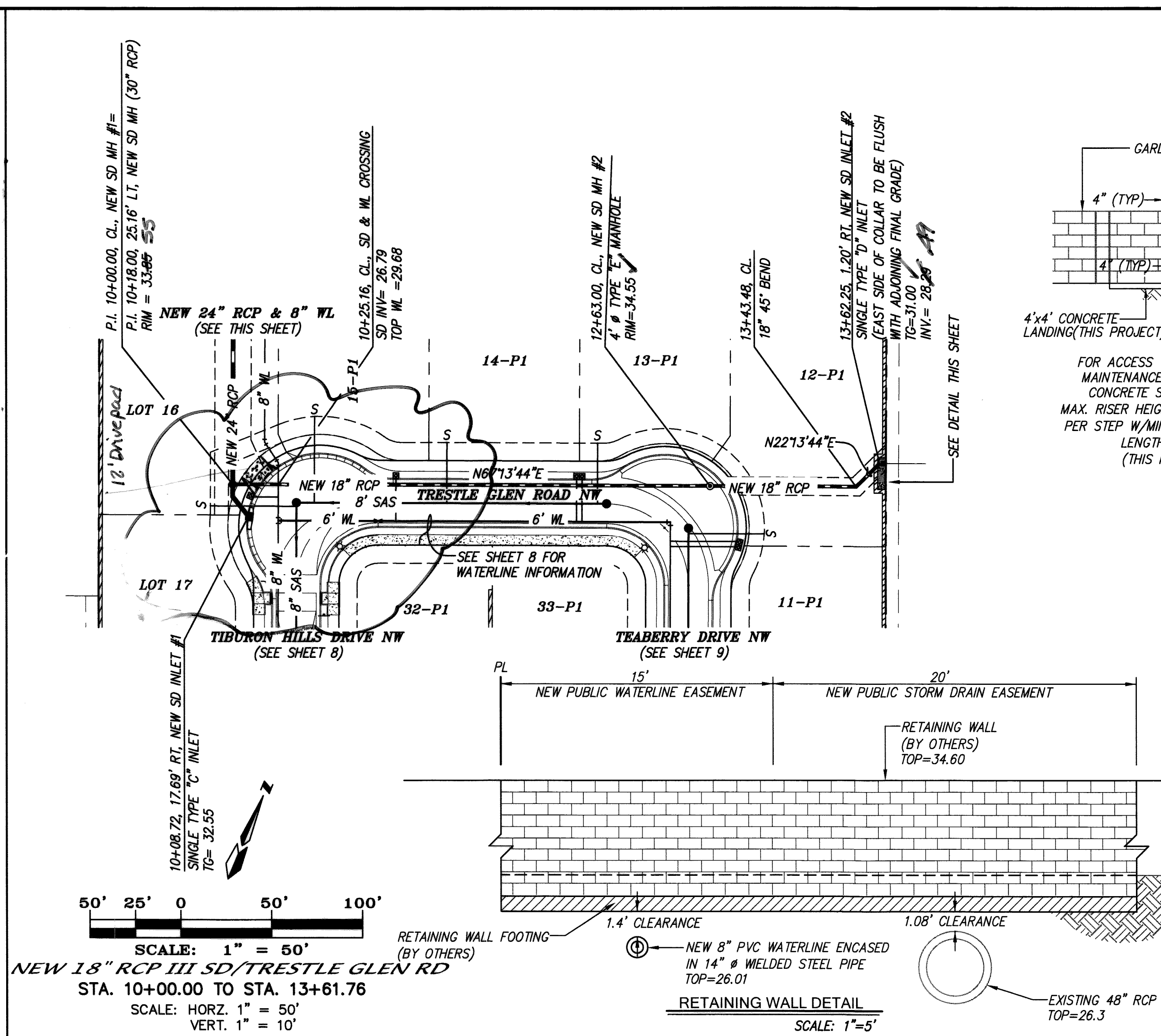
FOR THE

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

APPROVED

CITY ENGINEER

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