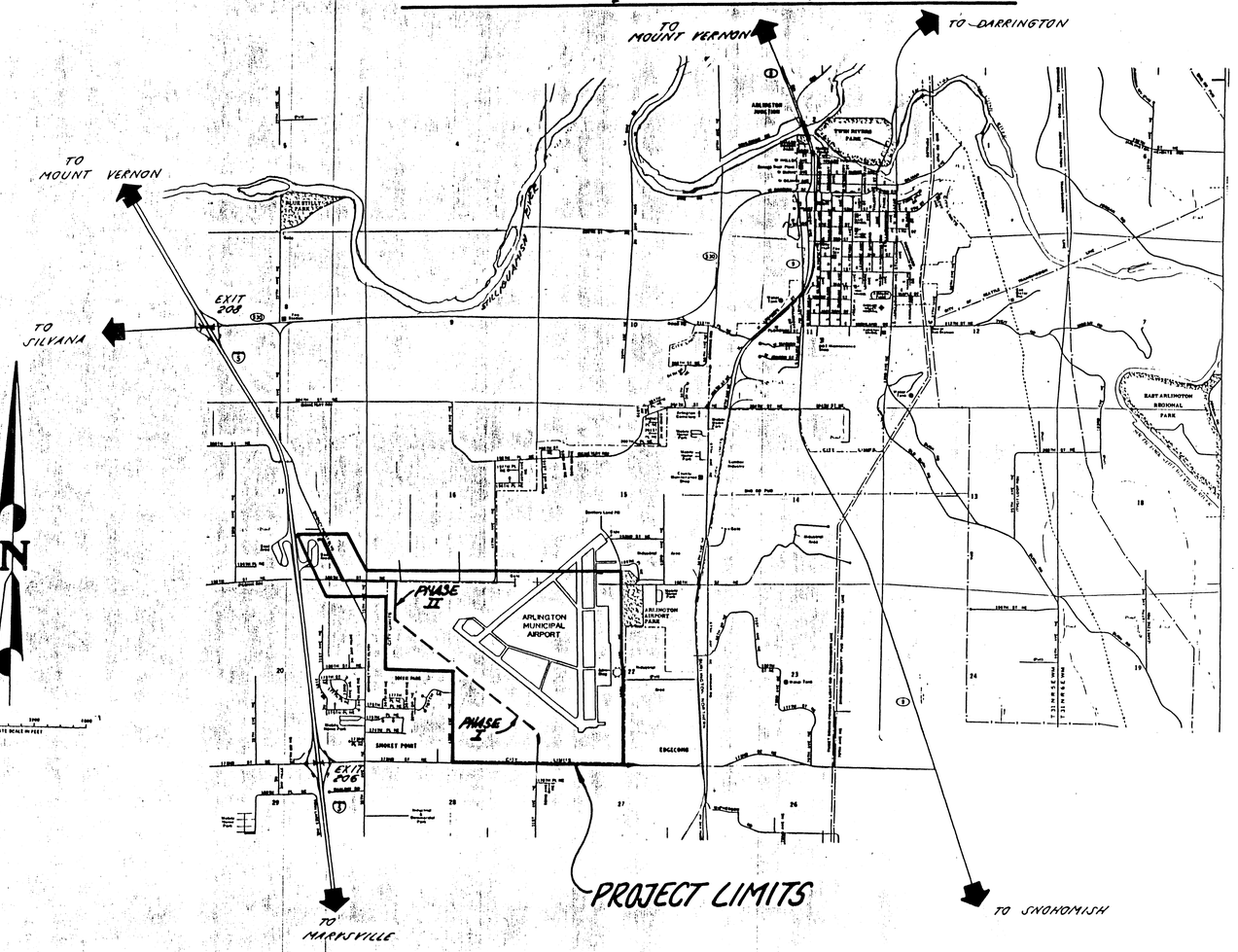
CITY OF ARLINGTON

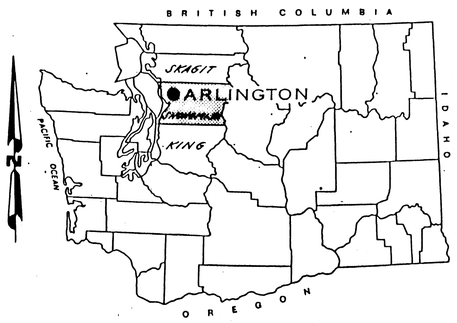
SR 5 / SMOKEY PT. REST AREA SEWER EXT.

W.S.D.O.T.

T. 31 N., R. 5 E., W.M.



PHASE II



WASHINGTON STATE
N.T.S.

INDEX

SHT. #	DESCRIPTION
1	COVER SHEET
2	INDEX TO SHEETS, LEGEND, AND STRUCTURE NOTES
3	TYPICAL DETAILS
4	SANITARY SEWER STA 1+86 TO STA 15+00
5	SANITARY SEWER STA 15+00 TO STA 30+00
6	SANITARY SEWER STA 30+00 TO STA 38+95

DIAL DIG
CALL 1-800-424-5555
REF # 91241026

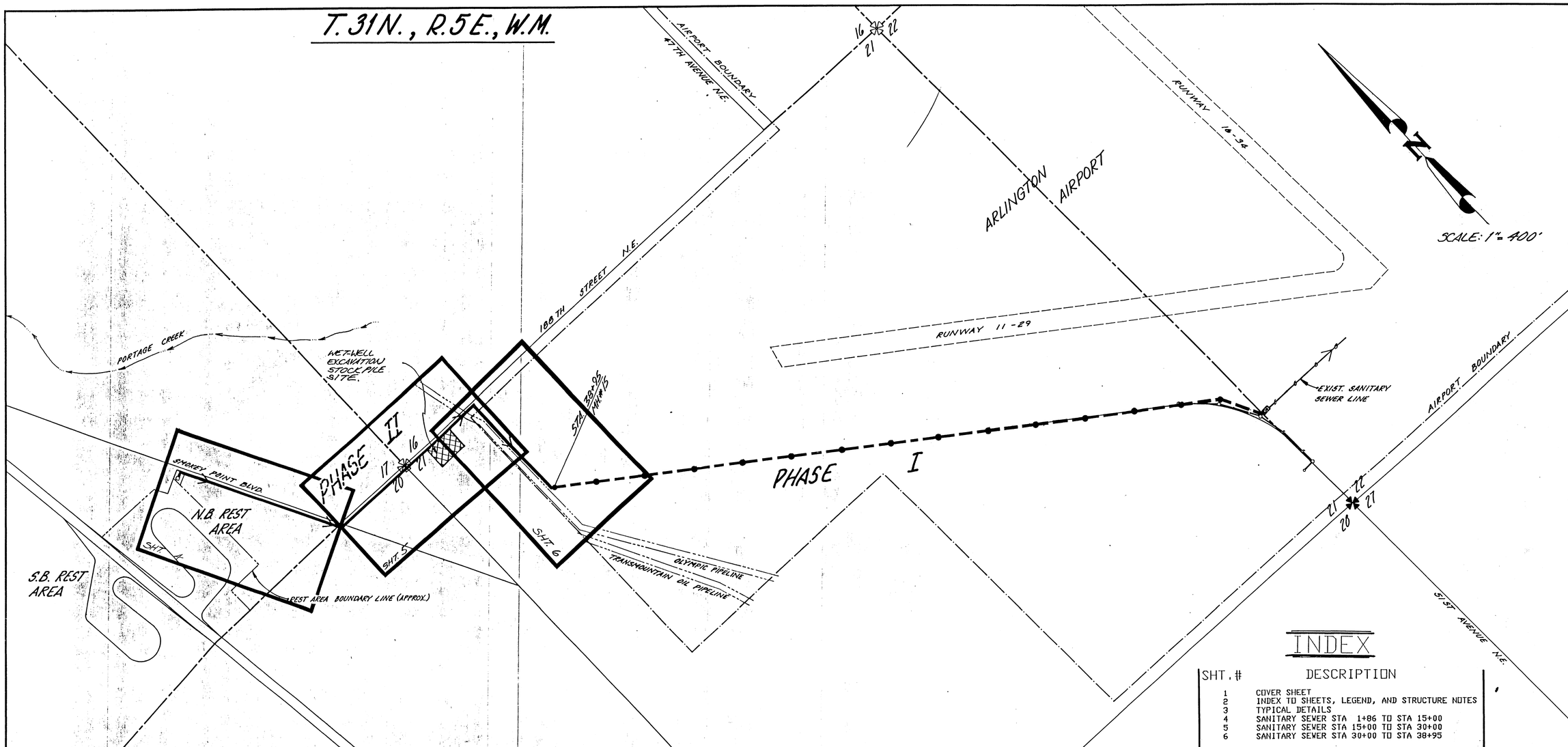
DESIGNED W.T.PARKE DATE 7-21-92
DRAWN A.L.C. DATE 7-23-92
CHECKED H.E.H. DATE 7-92
SCALE-HORIZONTAL N/A
-VERTICAL N/A
JOB NUMBER #0619
FIELD BOOK JAN. 92
COUNTY SNOHOMISH

by Cascade Surveying & Engineering, Inc.
P.O. BOX 1328
ARLINGTON, WA
435-5551
652-7572

for CITY OF ARLINGTON
S.R. 5/SMOKEY POINT REST AREA
SANITARY SEWER EXTENSION

AS-BUILTS

1 OF 6
#0619



STRUCTURE NOTES

SHT. #	STATION	CLEARING & GRUBBING (AC.)	STRUCTURE EXCAVATION CL. B, INCLUDING HAUL (C.Y.)	SHORING OR EXTRA EXCAVATION CL. B (S.F.)	FORCE MAIN SEWER 8" PVC PIPE C-900 DL 150 (L.F.)	ASPHALT-CONCRETE PAVEMENT CL. B (TONS)	CRUSHED SURFACING BASE COURSE (C.Y.)	CRUSHED SURFACING TOP COURSE (C.Y.)	ROADWAY EXCAVATION INCLUDING HAUL (C.Y.)	PUMP STATION (L.S.)	CYCLONE FENCE (PERMANENT) (L.F.)	CYCLONE FENCE (TEMPORARY) (L.F.)	GATE (L.S.)	REMOVE & REPLACE SIGN, MAIL BOXES, REFLECTORS & MINOR SPLICING (L.S.)	SEED, FERTILIZER, & MULCH (AC.)	CONSTRUCTION SIGNS (L.S.)	TRAFFIC CONTROL LABOR (H.R.)
					1338			36			152						88
4	1+10 TO 15+00	.11	1113	2784	~~1300~~			~~45~~		100%	~~110~~	150	1	50%	.11	35%	~~72~~
						403.5	0	81	90								
5	15+00 TO 30+00				1500	~~383~~	~~527~~	~~209~~	~~644~~					50%		65%	72
6	30+00 TO 38+95	.89	125	1680	909										.89		
	PROJECT TOTALS	1.00	1238	~~4464~~	~~3769~~ 3147	~~383~~ 403.5	~~527~~ 0	~~324~~ 117	~~644~~ 90	100%	~~110~~ 152	150	1	100%	1.00	100%	~~144~~ 160

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LEGEND

Existing	Proposed	Description
—S—	———	GRAVITY SEWER LINE
—P—		BURIED POWER LINE
—W—		WATER LINE
⊞		WATER METER
⊠		WATER LINE GATE VALVE
		FIRE HYDRANT
	●	SANITARY SEWER MANHOLE
◄		WATER LINE THRUST BLOCK
— —		CENTERLINE
—·—		PROPERTY LINE
—···—		EASEMENT
/// ///		EDGE OF PAVEMENT
— —		CLEARING LIMITS

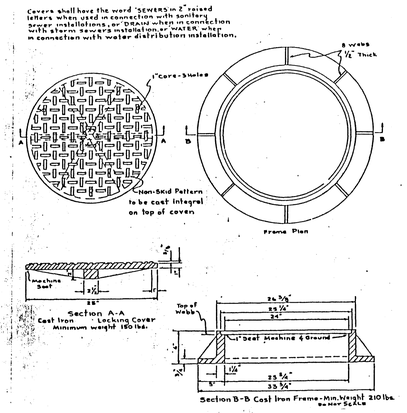
DESIGNED K. MOORE DATE 7-23-91
DRAWN D.L.C. DATE 7-23-91
CHECKED K.T.M. DATE 7-23-91
SCALE - HORIZONTAL: 1" = 400'
- VERTICAL: NONE
JOB NUMBER # 8619
FIELD BOOK REL. 52
COUNTY SNOHOMISH

Cascade Surveying & Engineering, Inc.
P O BOX 326
ARLINGTON, WA
by
435-5551
652-7572

for CITY OF ARLINGTON
S.R. 5/SMOKEY POINT REST AREA
SANITARY SEWER EXTENSION - PHASE II -

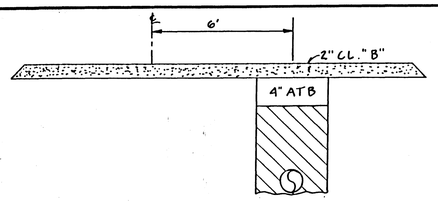
AS-BUILTS

2 OF 6
#8619



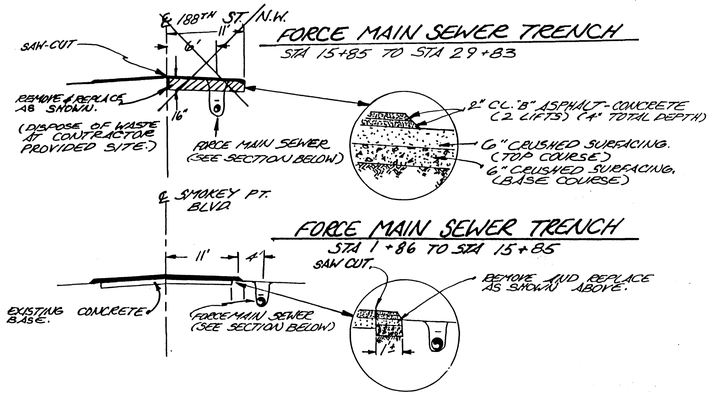
WET-WELL FRAME W/LOCKING COVER

N.T.S.



REPLACES FORCE MAIN SEWER TRENCH

STA. 15+85 TO STA. 29+83

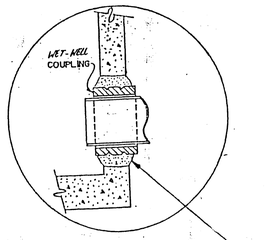


FORCE MAIN SEWER TRENCH

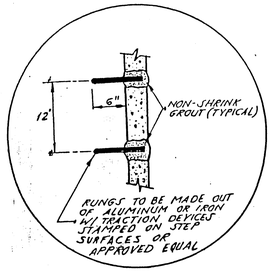
STA 15+85 TO STA 29+83

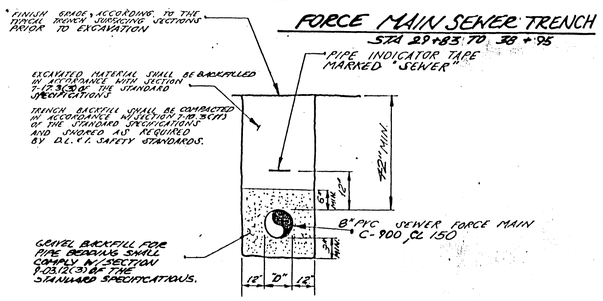
FORCE MAIN SEWER TRENCH

STA 1+86 TO STA 15+85



NOTE: THIS DETAIL IS FOR FIELD INSTALLED RUNGS ONLY.





FORCE MAIN SEWER TRENCH

STA 29+83 TO 38+95

TYPICAL TRENCH SECTIONS

N.T.S.

NOTE:

FLOOR: 10'x 14'x 4" THICK SLAB W/ 12"x 12" CONCRETE THICKENED EDGE AS PER THIS DRAWING. FINISH FLOOR TO BE +0.5' ABOVE EXISTING GROUND.

BUILDING: 10'x 14' WOOD FRAME CONSTRUCTION W/ 8' HIGH WALLS; CONSTRUCTED AS PER THESE DRAWINGS, THE CITY OF ARLINGTON, AND THE U.B.C.

WALLS: 2"x 4" STUDS @ 16" O.C. W/ P.T. SOLE PLATE AND DOUBLE TOP PLATE; W/ 5/8" EXT. T-111 SIDING.

ROOF: 2"x 6" RAFTERS W/ PLUMB CUT 12" TAILS @ 24" O.C. COVERED WITH 5/8" CDX PLYWOOD, 30# FELT AND 30 YR., 3 TAB COMPOSITION ROOFING.

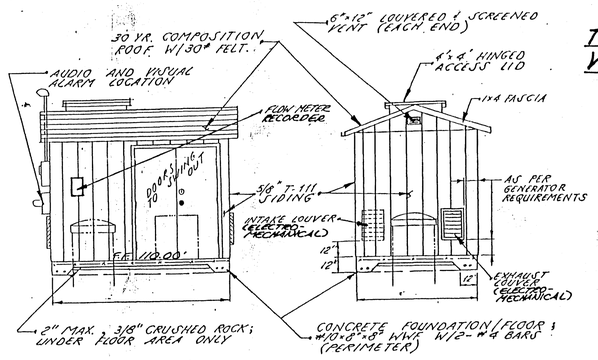
PAINT: 1 COAT OF PRIMER 2 COATS OF LIGHT GRAY EXTERIOR PAINT.

ELECTRICAL: PROVIDE 1 CEILING FIXTURE W/ 200 WATT BULB. FIXTURE TO BE GUARDED TYPE. PROVIDE 1 GFIC BREAKER TYPE, DUPLEX RECEPTACLE.

VENTILATION: EXHAUST LOUVER TO BE INSTALLED AT THE MANUFACTURERS SUGGESTED DIMENSIONS.

INTAKE LOUVER TO BE INSTALLED AS SHOWN AND AS SPECIFIED IN THE "SPECIAL PROVISIONS"

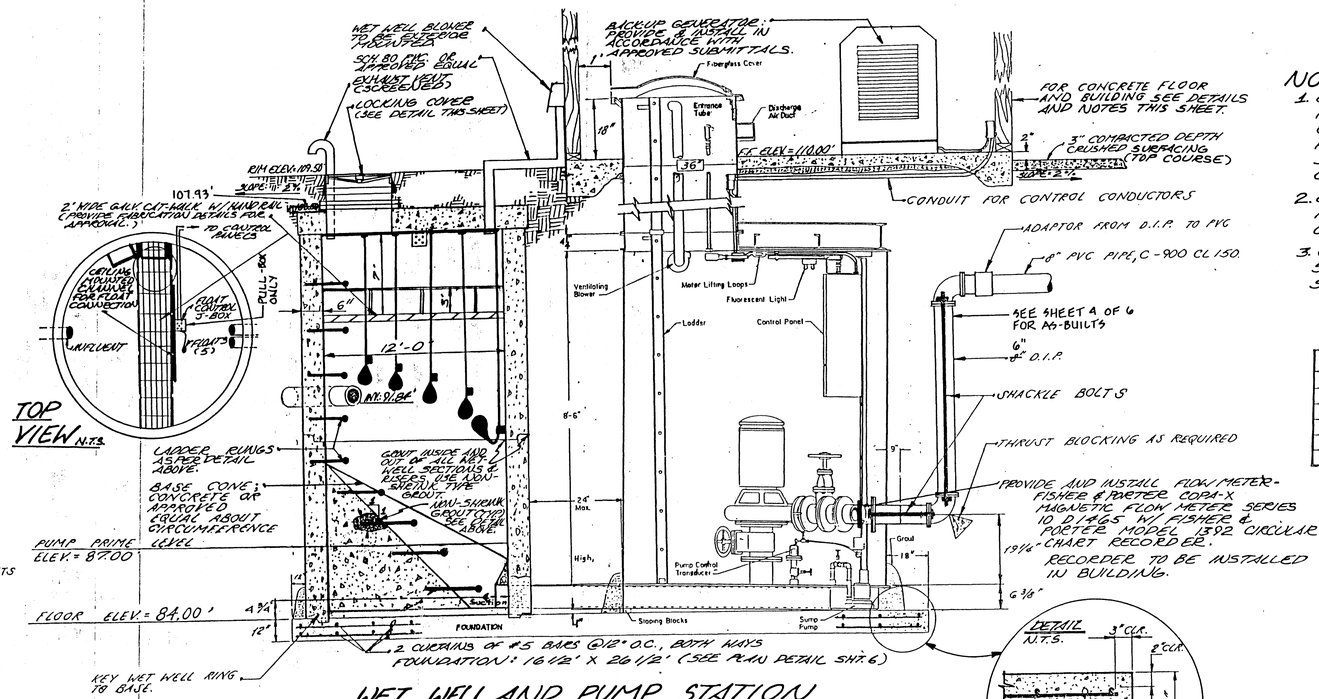
DOORS: DOORS TO BE METAL, INSULATED, AND WITH A KEY OPERATED DEAD BOLT. PROVIDE A MINIMUM OF 4 KEYS. PAINT TO MATCH BUILDING. NON-KEYED DOOR TO HAVE FLOOR SLOTTED DEAD BOLT.



NOTE: VERIFY DOOR LOCATION PRIOR TO CONSTRUCTION

FRONT / SIDE
PUMP STATION BUILDING

N.T.S.



WET WELL AND PUMP STATION
TYPICAL DETAILS

N.T.S.

NOTES:

1. ENGINEER'S PLANS AND SPECIFICATIONS FOR DETAILS OF THE WET WELL, CONCRETE FOUNDATION, GROUT UNDER PUMP STATION AND ELECTRICAL SERVICE ARE INCLUDED IN THIS CONTRACT.
2. CONTRACTOR TO PROVIDE AND INSTALL WET WELL AS SHOWN ON THESE DRAWINGS.
3. CONTRACTOR TO INSTALL THE PUMP STATION TO THE DIMENSIONS AS SHOWN ON THIS DRAWING.

FLOAT CONTROL SWITCHES	
SETTINGS	ELEV.
LEAD PUMP ON	88.00'
LAG PUMP ON	89.00'
HIGH WATER ALARM	90.00'
BOTH PUMPS OFF	87.00'
LOW WATER ALARM	86.50'

DESIGNED H. HUNT DATE 8-6-91
DRAWN N.C. DATE 8-6-91
CHECKED R.C.H. DATE 3-92
SCALE - HORIZONTAL N/A
VERTICAL N/A
JOB NUMBER 269
FIELD BOOK 269
COUNTY SNOHOMISH

Cascade Surveying & Engineering, Inc.
by
P.O. BOX 326
ARLINGTON, WA
435-5551
652-7572

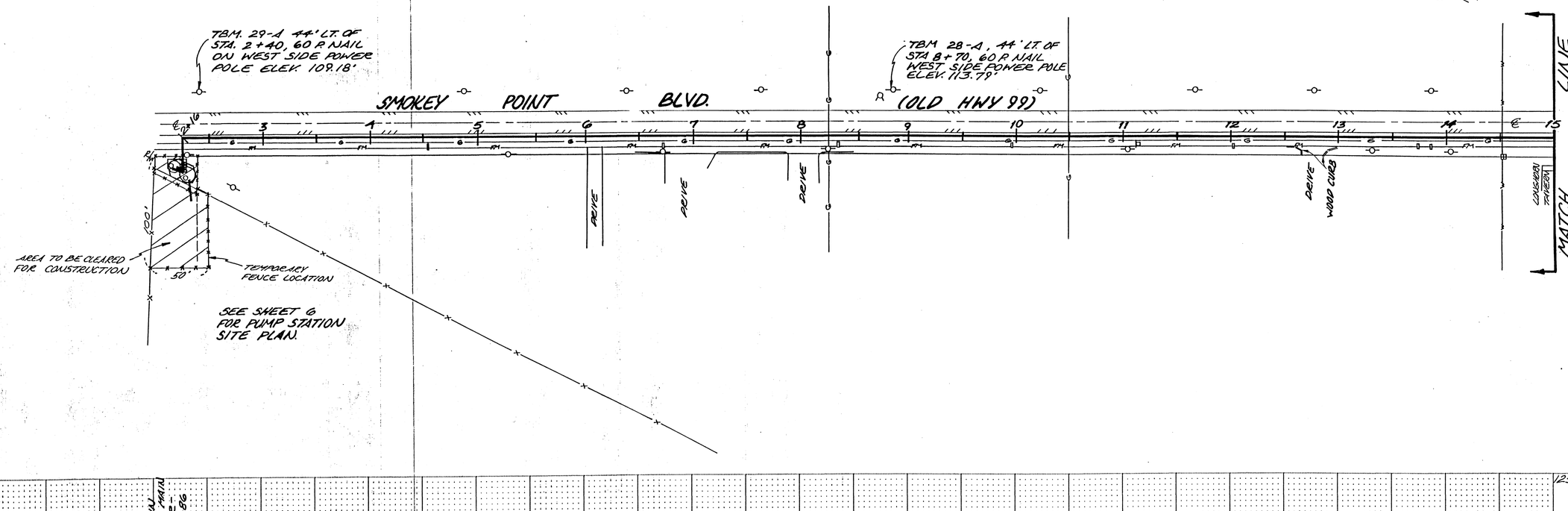
for CITY OF ARLINGTON
SR. 5/SMOKEY POINT REST AREA
SANITARY SEWER EXTENSION

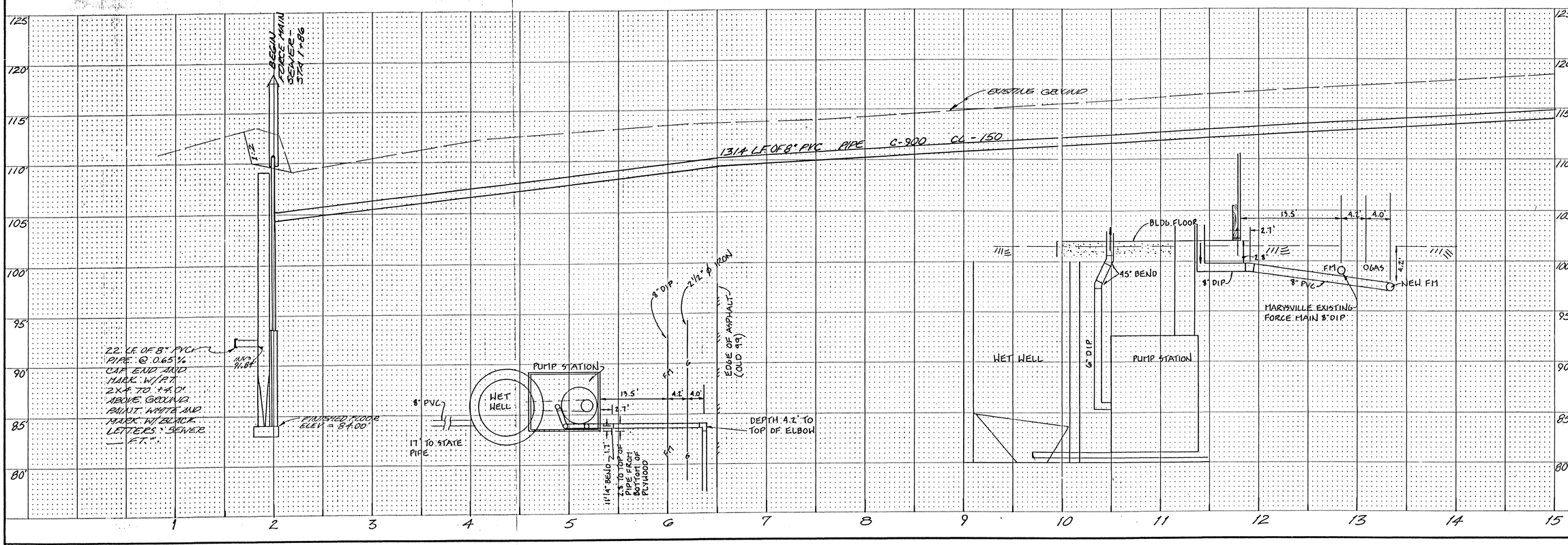
AS-BUILTS 3 OF 6
8619

GEO-LINE 143733

T.W.N. 31 N., RNG. 5 E., W.M.

SCALE: 1" = 50'





DESIGNED H. HOWE DATE 7-31-91
DRAWN MEZA DATE 7-31-91
CHECKED H.J.H. DATE 3-92
SCALE-HORIZONTAL: 1"=50'
-VERTICAL: 1"=5'
JOB NUMBER 86-12
FIELD BOOK 510 512
COUNTY SNOHOMISH

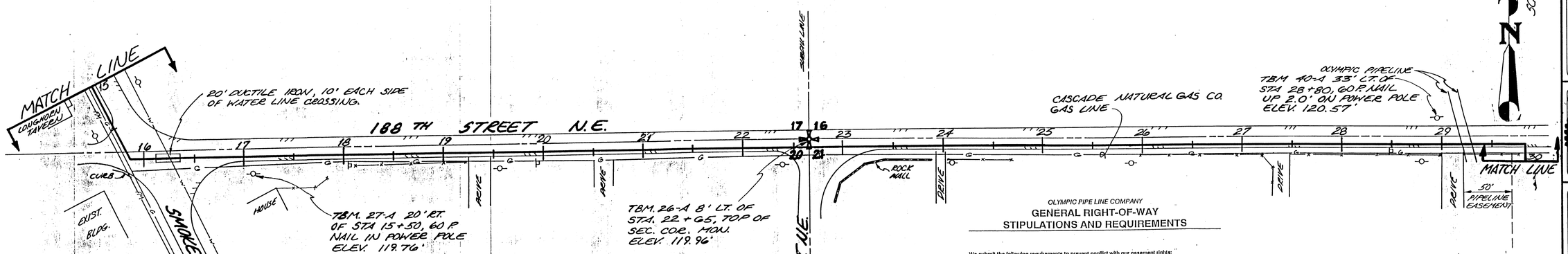
by Cascade Surveying & Engineering, Inc.
P.O. BOX 326
ARLINGTON, WA
435-5551
652-7572

for CITY OF ARLINGTON
S.R. 5/SMOKEY POINT REST AREA
SANITARY SEWER EXTENSION
- PHASE II -

GEO-LINE 143722

AS-BUILTS 4 OF 6

T.31N., R.5E., W.M.



OLYMPIC PIPE LINE COMPANY

GENERAL RIGHT-OF-WAY STIPULATIONS AND REQUIREMENTS

We submit the following requirements to prevent conflict with our easement rights:

1. The filing and recording of the subdivision plat should stipulate and describe Olympic's easements, and the deeds and titles to all subdivision lots shall designate Olympic's easement as encumbering said lots.

2. Olympic's easements restrict the placement or construction of any permanent structures, underbrush, trees, fences or other structures which would interfere with the operation and maintenance of the pipeline(s). Roadways may cross, but not parallel over the easement.

3. Any required relocation or encasement of Olympic's pipeline(s) will be at the developer's expense.

4. Development grading should not remove any of the existing ground cover from or add excessive fill over the pipeline(s) without Olympic's prior approval.

5. Developers will be required to coordinate design of any utilities crossing Olympic's easement to meet Olympic's clearance requirements. Upon developer's request, Olympic will coordinate a meeting by our field representative with developer's engineers to determine the depth and location of the existing pipeline(s) at any proposed utility and street crossing.

6. The ground cover and clearances for utility line crossing of the pipeline(s) are as follows:

   (a) Minimum ground cover outside roadways - four feet (4').

   (b) Minimum cover at street gutter flow line or barrow ditch - four feet (4').

   (c) Water, sewer and gas service line crossings - twelve inches (12').

   (d) Underground electrical conduit - twelve inches (12') minimum clearance, with conduit encased with red-colored concrete five feet (5') each side of pipeline(s).

   (e) Underground telephone conduit - twelve inches (12') minimum clearance.

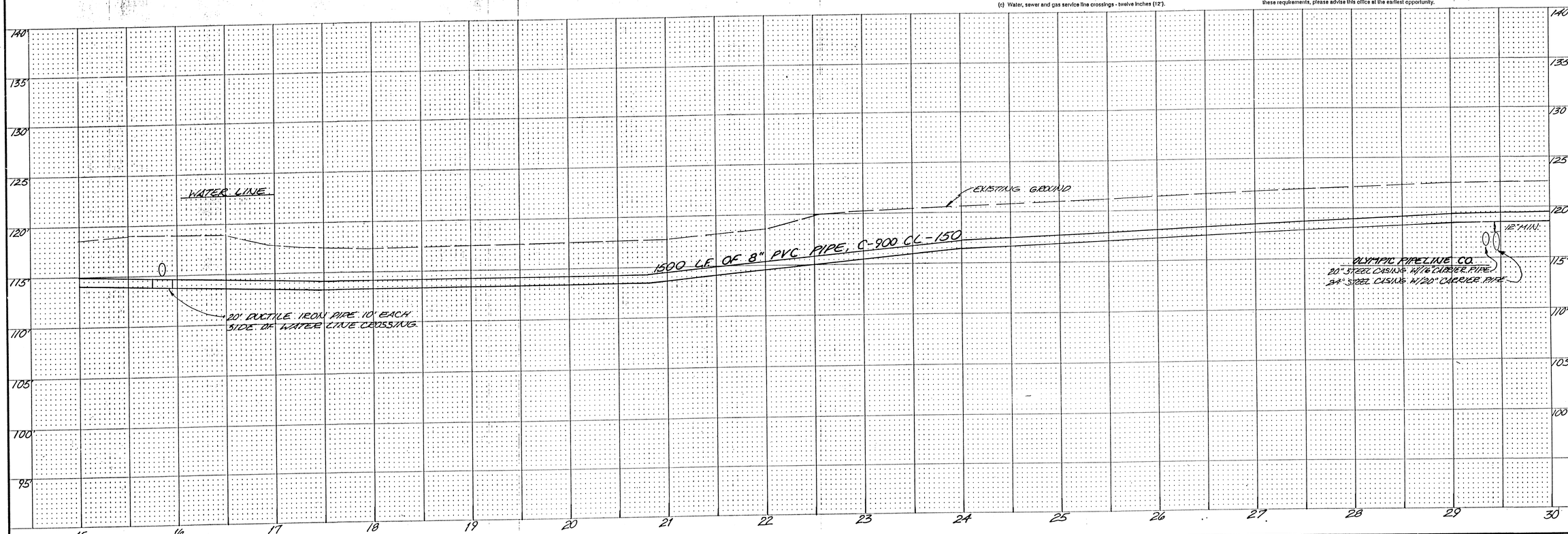
7. Should the lot and street location be modified to the extent the pipeline(s) and portions of the easement would be under paved areas, it would not be our intent for the restrictions to fully apply with regard to trunk utility mains within the easement. Special attention should be taken by locating the facilities in a manner to minimize potential conflicts.

8. Prior to final approval of detailed construction plans in the easement, Olympic requests the plans to be forwarded for our review, comments and approval.

9. Developer's contractors are to provide Olympic Pipe Line Company with forty-eight (48) hours prior notice of any grading or underground crossing over the pipeline(s).

TELEPHONE NUMBERS: (206)235-7735 (7:30 - 4:15)
(206)235-7741 (")
(206)226-8880 (24-hour/Emergency only)

The above comments and stipulations are submitted only as minimum requirements to avoid conflict with existing easement rights. Olympic reserves the right to impose further stipulations or requirements as dictated by each individual situation. Should you anticipate any problems regarding these requirements, please advise this office at the earliest opportunity.



DESIGNED H. HOWE DATE 7-31-91
DRAWN NETA DATE 7-31-91
CHECKED H.S.H. DATE 3-92
SCALE - HORIZONTAL: 1"=50'
- VERTICAL: 1"=5'
JOB NUMBER 5619
FIELD BOOK 5-22
COUNTY SNOHOMISH

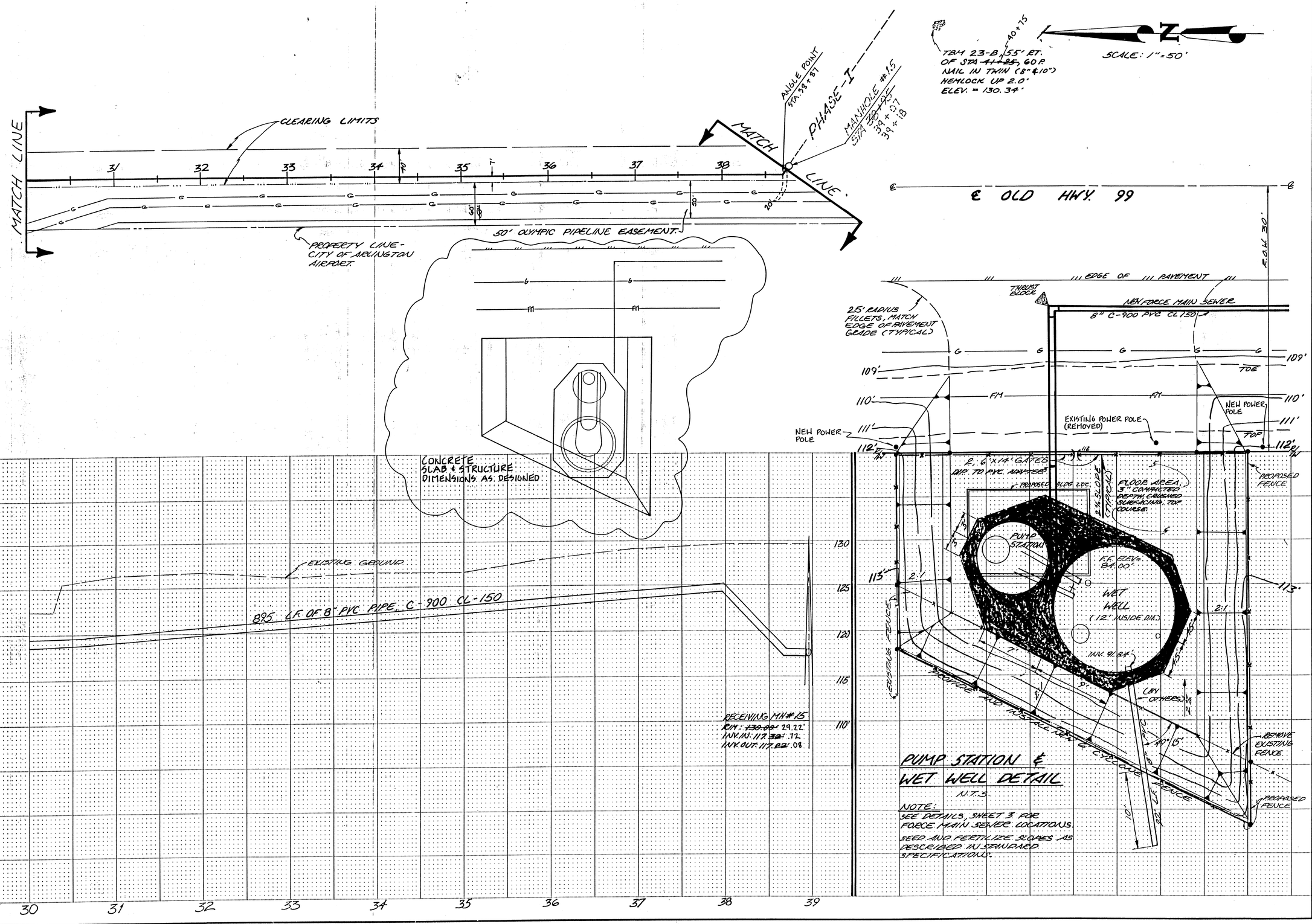
by Cascade Surveying & Engineering, Inc.
P.O. BOX 326
ARLINGTON, WA
435-5551
652-7572

for CITY OF ARLINGTON
S.R.5/SMOKEY POINT REST AREA
SANITARY SEWER EXTENSION
- PHASE II -

GEO-LINE 1497/22

AS-BUILTS 5 OF 6
8619

T.W.N. 31 N., R.N.G. 5 E., W.M.



PUMP STATION & WET WELL DETAIL

N.T.S.

NOTE:
SEE DETAILS, SHEET 3 FOR FORCE MAIN SEWER LOCATIONS.
SEED AND FERTILIZE SLOPES AS DESCRIBED IN STANDARD SPECIFICATIONS.

DESIGNED R. MOORE DATE 7-31-91
DRAWN METZA DATE 7-31-91
CHECKED R.T.H. DATE 3-9-92
SCALE - HORIZONTAL 1" = 30'
VERTICAL 1" = 3'
JOB NUMBER 8279
FIELD BOOK 162, 52
COUNTY SNO. HOR. 1 SH

by Cascade Surveying & Engineering, Inc.
P.O. BOX 326
ARLINGTON, WA
435-5551
652-7572

for CITY OF ARLINGTON
S.R.5/SMOKEY POINT REST AREA
SANITARY SEWER EXTENSION
- PHASE II -

GEO-LINE 143732

AS-BUILTS 6 OF 6