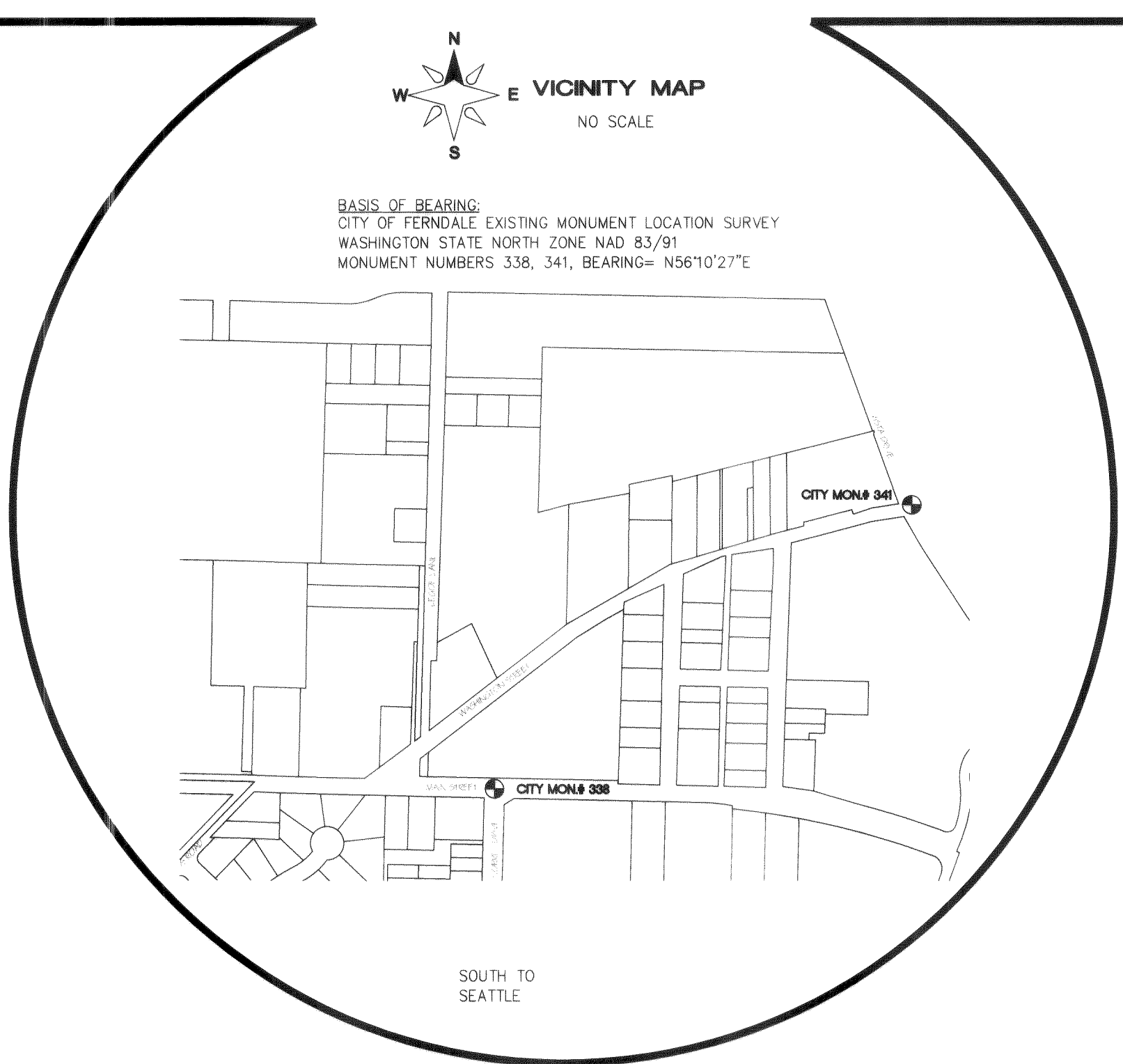


A PORTION OF THE SOUTHEAST QUARTER, SECTION 19, T39N, R2E, W.M.

WOODSIDE VILLAS LONG PLAT

AS-BUILT PLANS



1. COVER SHEET
2. EXISTING CONDITIONS
3. SUBDIVISION PLAN
4. EROSION CONTROL PLAN
5. CLEARING AND GRUBBING, AND GRADING PLAN
6. **STREET & STORM DRAINAGE PLAN & PROFILE: WASHINGTON ST.**
7. **STREET & STORM DRAINAGE PLAN & PROFILE: LEGOE LN**
8. **STORM DRAINAGE PLAN & PROFILE: LEGOE LN**
9. **STREET & STORM DRAINAGE PLAN & PROFILE: SUNNYBROOK & LEGOE LN**
10. **STREET & STORM DRAINAGE PLAN & PROFILE: FALLBROOK LN.**
11. **WATER PLAN AND PROFILE: SUNNYBROOK AND FALLBROOK**
12. **SANITARY SEWER AND WATER PLAN & PROFILE: WASHINGTON ST**
13. **SANITARY SEWER AND WATER PLAN & PROFILE: LEGOE LN**
14. **SANITARY SEWER PLAN & PROFILE: SUNNYBROOK LN**
15. **SANITARY SEWER PLAN & PROFILE: FALLBROOK LN.**
16. STREET CONSTRUCTION DETAILS
17. STREET CONSTRUCTION DETAILS
18. WATER CONSTRUCTION DETAILS
19. SEWER CONSTRUCTION DETAILS
20. WASHINGTON STORM WATER DETENTION
21. LEGOE STORM WATER DETENTION
- 21A. LEGOE STORM WATER DETENTION CROSS SECTIONS
22. POND WALL PLAN AND PROFILE
23. **COMPOSITE UTILITY PLAN**
24. CITY OF FERNDAL CONSTRUCTION NOTES

BOLD TEXT INDICATES AS-BUILT INFORMATION ON SHEETS 1, 6-15 AND 24

LEGEND

	= EXIST ASPHALT		= EXIST SANITARY SEWER MANHOLE
	= EXIST WETLANDS		= EXIST SD CATCH BASIN (TYPE 2)
	= EXIST CULVERT		= EXIST SD CATCH BASIN (TYPE 1)
	= EXIST DITCH LINE		= EXIST YARD DRAIN
	= EXIST ROAD EDGE OF PAVEMENT		= EXIST SD INLET
	= EXIST SURVEY BOUNDARY LINE		= EXIST FIRE HYDRANT
	= EXIST ROCK WALL		= EXIST WATER METER BOX
	= EXIST OVERHEAD POWER		= EXIST WATER VALVE
	= EXIST UNDERGROUND POWER		= EXIST WATER BLOW-OFF VALVE
	= EXIST GAS MAIN		= EXIST POWER VAULT
	= EXIST WATER LINE		= EXIST TELEPHONE PEDESTAL
	= EXIST SANITARY SEWER LINE		= EXIST POWER/AND OR UTILITY POLE
	= EXIST STORM DRAIN LINE		= EXIST GUY WIRE
	= EXIST CHAIN LINK FENCE		= EXIST TELEPHONE MANHOLE
	= EXIST BARBED WIRE FENCE		= EXIST TEL VAULT
	= EXIST CONC SIDEWALK		= EXIST SIGN
	= EXIST CONTOUR (INDEX)		
	= EXIST CONTOUR (NORMAL)		
	= EXIST ROW CENTERLINE		
	= EXIST ROAD CENTERLINE		
	= PROPOSED STORM DRAIN CATCH BASIN		
	= PROPOSED STORM DRAIN MANHOLE (TYPE 2)		
	= PROPOSED WATER SERVICE		
	= PROPOSED STORM DRAIN LINE		
	= PROPOSED SAN. SEWER LINE		
	= PROPOSED WATER LINE		
	= PROPOSED SANITARY SEWER SERVICE		
	= PROPOSED SEWER CLEANOUT		
	= PROPOSED SEWER MANHOLE		
	= PROPOSED ASPHALT PARKING (FUTURE)		
	= PROPOSED ASPHALT		
	= EXISTING WETLAND		
	= PROPOSED CONC. SIDEWALK (4" THICK)		
	= PROPOSED CONC. SIDEWALK (6" THICK)		
	= PROPOSED BUILDING ENVELOPE		
	= PROPOSED 6 FT CHAIN LINK FENCE		
	= PROPOSED WETLAND PROTECTION BERM		
	= PROPOSED CONCRETE EXTRUDED CURB OR CONC. CURB & GUTTER		
	= PROPOSED CONCRETE EXTRUDED CURB OR CONC. CURB & GUTTER		
	= EXISTING 2" CONTOUR		
	= EXISTING 10" CONTOUR		
	= PROPOSED 1" CONTOUR		
	= PROPOSED 5" CONTOUR		
	= PROPOSED SILT FENCE		
	= CLEARING AND GRUBBING		

DRAWN BY: SR DATE: 03/15/05

CHECKED BY: DATE:

JOB # 04506

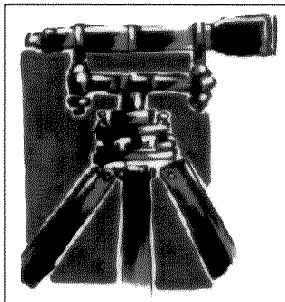
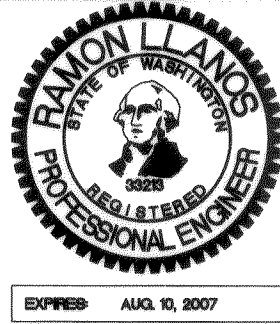
WOODSIDE VILLAS LONG PLAT

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDAL, DEPARTMENT OF PUBLIC WORKS."

Ramon Olanos 6/27/07
RAMON OLANOS, PE DATE

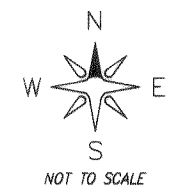


LDES, INC.
1350 SLATER RD. SUITE 9
FERNDAL, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

AS-BUILT
WOODSIDE VILLAS LONG PLAT
COVER SHEET

APPROVED
JAN 23 2007
BY *Ramon Olanos*
CITY OF FERNDAL

SHEET
1
OF 24



VICINITY MAP

BASIS OF BEARING:
CITY OF FERDALE EXISTING MONUMENT LOCATION SURVEY
WASHINGTON STATE NORTH ZONE NAD 83/91
MONUMENT NUMBERS 338, 341, BEARING= N56°10'27"E

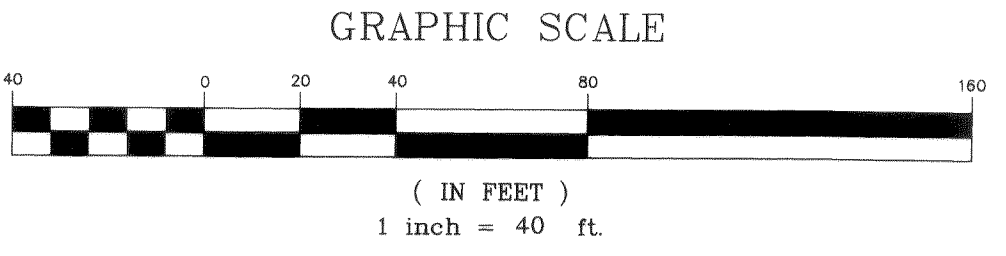


A PORTION OF SEC19 T39N R2E

LEGEND

- | | |
|---|---|
| <ul style="list-style-type: none">= EXIST ASPHALT= EXIST WETLANDS= EXIST CULVERT= EXIST DITCHLINE= EXIST ROAD EDGE OF PAVEMENT= EXIST SURVEY BOUNDARY LINE= EXIST ROCKWALL= EXIST OVERHEAD POWER= EXIST UNDERGROUND POWER= EXIST GAS MAIN= EXIST WATER LINE= EXIST SANITARY SEWER LINE= EXIST STORM DRAIN LINE= EXIST CHAIN LINK FENCE= EXIST BARBED WIRE FENCE= EXIST CONC SIDEWALK= EXIST CONTOUR (INDEX)= EXIST CONTOUR (NORMAL)= EXIST ROW CENTERLINE= EXIST ROAD CENTERLINE | <ul style="list-style-type: none">= EXIST SANITARY SEWER MANHOLE= EXIST SD CATCH BASIN (TYPE 2)= EXIST SD CATCH BASIN (TYPE 1)= EXIST YARD DRAIN= EXIST SD INLET= EXIST FIRE HYDRANT= EXIST WATER METER BOX= EXIST WATER VALVE= EXIST WATER BLOW-OFF VALVE= EXIST POWER VAULT= EXIST TELEPHONE PEDESTAL= EXIST POWER/AND OR UTILITY POLE= EXIST GUY WIRE= EXIST TELEPHONE MANHOLE= EXIST TEL VAULT= EXIST SIGN |
|---|---|

NOTE:
SURVEYED ON OR ABOUT DECEMBER 9, 2004

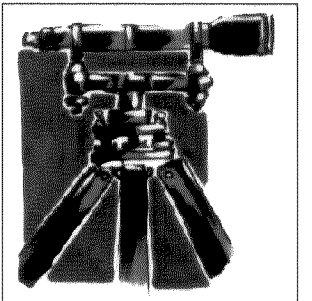


DRAWN BY: SR DATE: 03/15/05
CHECKED BY: DATE:

WOODSIDE VILLAS LONG PLAT

JOB # 04506

FOR: TORKILD CORPORATION



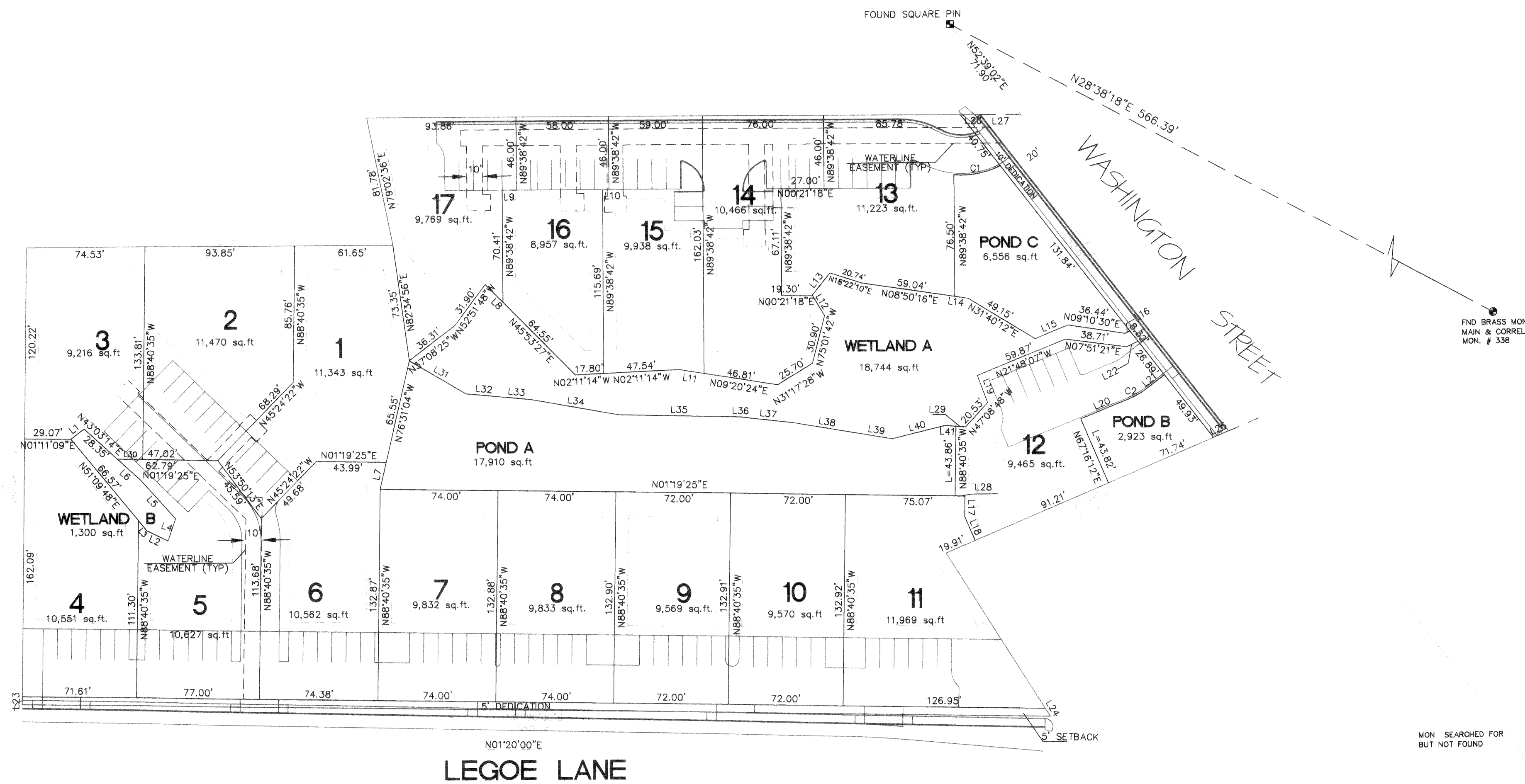
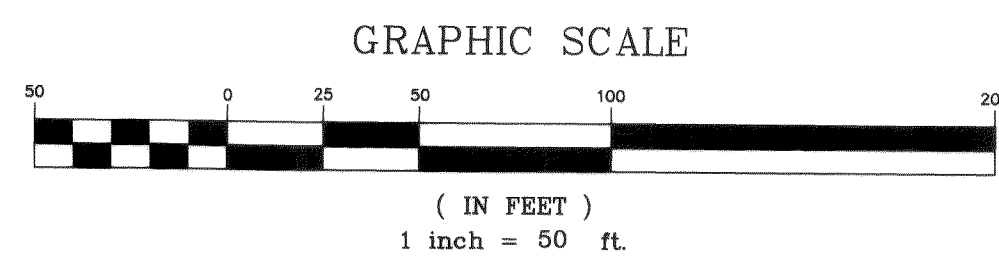
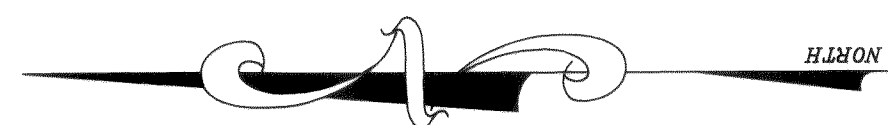
LDES, INC.
1350 SLATER RD. SUITE 9
FERDALE, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

WOODSIDE VILLAS LONG PLAT
EXISTING CONDITIONS

APPROVED
FEB 01 2006
By: [Signature]
CITY OF FERDALE

SHEET
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OF 24

00310.002 2-21-06



--- = WATER EASEMENT
--- = BUILDING ENVELOPE
--- = EDGE OF PARKING

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	30.05	53.00	32°28'49"
C2	14.38	53.00	15°32'51"

LINE TABLE		
LINE	LENGTH	BEARING
L1	10.51	N37°07'50"W
L2	14.84	N26°13'08"E
L3	8.07	N51°09'48"E
L4	14.67	N70°54'50"W
L5	32.94	N48°36'24"E
L6	19.21	N43°33'14"E
L7	17.39	N78°29'38"W
L8	15.89	N45°53'27"E
L9	9.00	N00°21'18"E
L10	4.00	N00°21'18"E
L11	15.70	N09°20'24"E
L12	14.94	N59°40'12"E
L13	17.87	N50°59'01"W
L14	8.58	N08°50'16"E
L15	22.16	N22°15'28"W
L16	3.24	N28°22'27"W
L17	12.83	N88°40'35"W
L18	16.45	N87°16'12"E
L19	18.28	N89°46'51"E
L20	32.20	N21°48'07"W
L21	13.12	N37°20'58"W
L22	7.94	N25°32'49"W
L23	5.00	N88°48'51"W
L24	5.97	N58°10'01"E
L25	10.33	N22°43'48"W
L26	12.84	N00°21'18"E
L27	25.28	N00°21'18"E
L28	6.15	N01°19'25"E
L29	6.16	N04°53'28"E
L30	15.77	N01°19'25"E
L31	41.35	N30°54'58"E
L32	21.77	N05°51'54"E
L33	19.35	N05°51'54"E
L34	55.66	N10°38'08"E
L35	75.75	N01°42'40"E
L36	1.47	N01°43'19"E
L37	32.77	N06°45'17"E
L38	41.34	N09°53'01"E
L39	21.18	N09°53'01"E
L40	34.44	N13°28'42"W
L41	6.62	N04°53'28"E

NOTE:
1. STORM AND SANITARY SEWERS WITHIN THE PLAT SHALL BE OWNED, MAINTAINED AND OPERATED BY HOME OWNERS ASSOCIATION.
2. THERE SHALL HEREBY BE AN EASEMENT IN FAVOR OF THE C.O.F. FOR WATERLINES/WATER SERVICES ON EACH LOT AND WITHIN THE DEVELOPMENT AS A WHOLE WHICH EXTENDS FROM ANY SUCH WATER PIPES TO 5' ON EACH SIDE THERE OF.

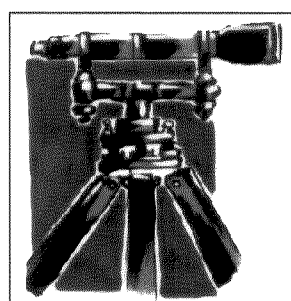
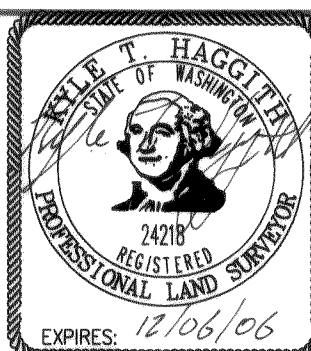
A PORTION OF SEC19 T39N R2E

DRAWN BY SR DATE 08/13/05
CHECKED BY DATE

WOODSIDE VILLAS LONG PLAT

JOB # 04506

FOR: TORKILD CORPORATION



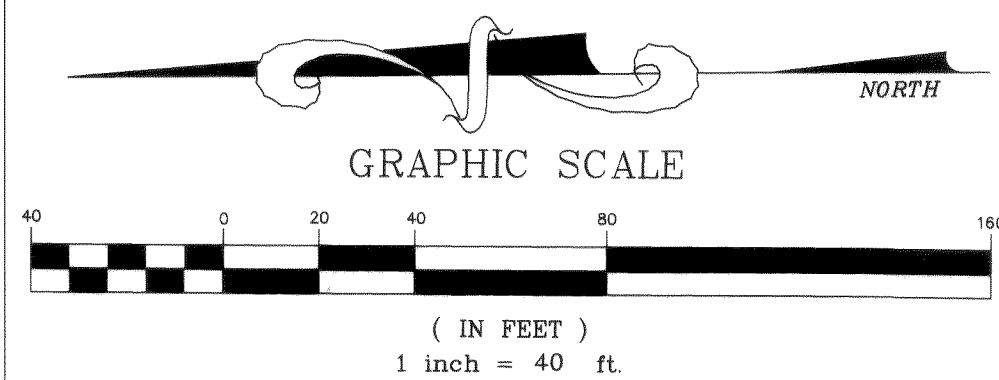
LDES, INC.
1350 SLATER RD. SUITE 9
FERNDAL, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

WOODSIDE VILLAS LONG PLAT
SUBDIVISION PLAN

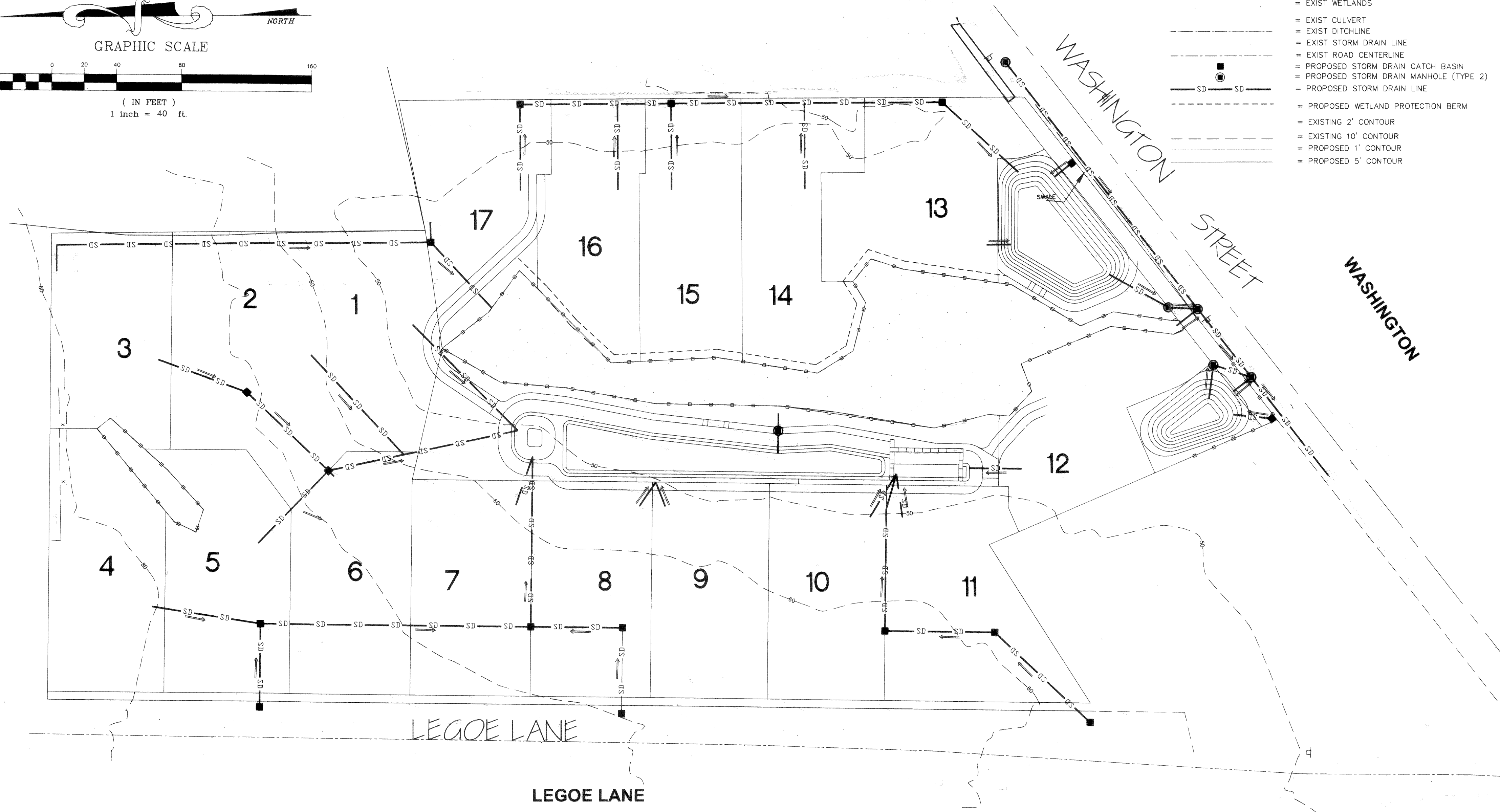
APPROVED
FEB 01 2006
BY [Signature]
CITY OF FERNDAL

SHEET
3
OF 24

00310.003 2.21.06



- EXIST SD CATCH BASIN (TYPE 2)
- EXIST SD CATCH BASIN (TYPE 1)
- EXIST YARD DRAIN
- EXIST SD INLET
- EXIST WETLANDS
- EXIST CULVERT
- EXIST DITCHLINE
- EXIST STORM DRAIN LINE
- EXIST ROAD CENTERLINE
- PROPOSED STORM DRAIN CATCH BASIN
- PROPOSED STORM DRAIN MANHOLE (TYPE 2)
- PROPOSED STORM DRAIN LINE
- PROPOSED WETLAND PROTECTION BERM
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- PROPOSED 1' CONTOUR
- PROPOSED 5' CONTOUR



DRAWN BY: SR DATE: 03/15/05

CHECKED BY: DATE:

WOODSIDE VILLAS LONG PLAT

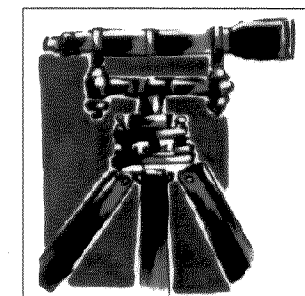
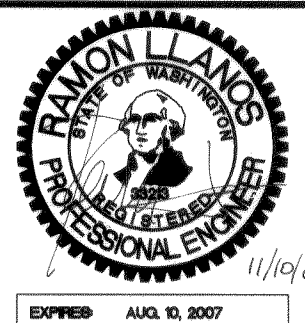
FOR: **TORKILD CORPORATION**

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDAL, DEPARTMENT OF PUBLIC WORKS."

[Signature] 11/10/05

RAMON LLANOS, PE DATE



LDES, INC.

1350 SLATER RD. SUITE 9
FERNDAL, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

WOODSIDE VILLAS PRELIMINARY PLAT

TEMPORARY EROSION & SEDIMENTATION (TESC)

CONTROL PLAN

APPROVED

FEB 01 2006

BY *[Signature]*

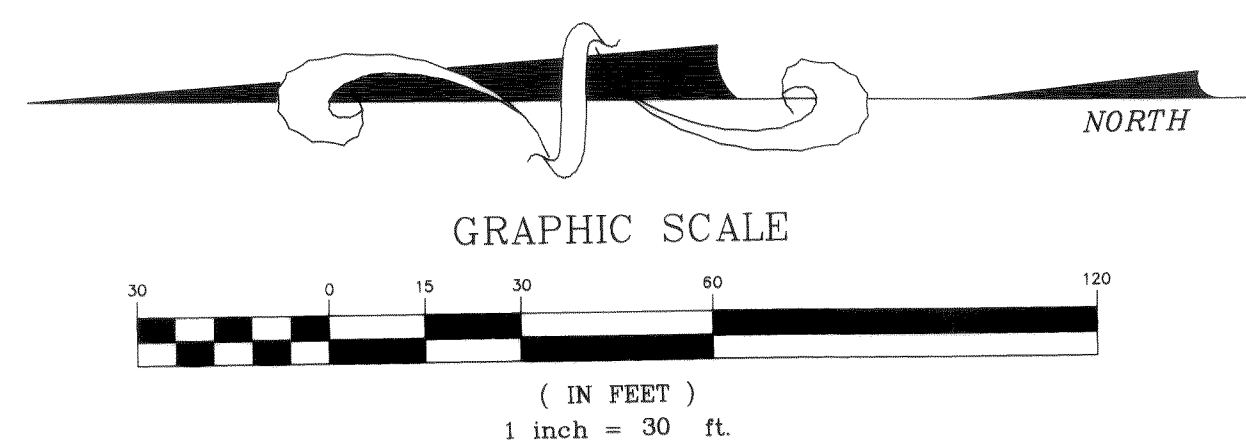
CITY OF FERNDAL

SHEET

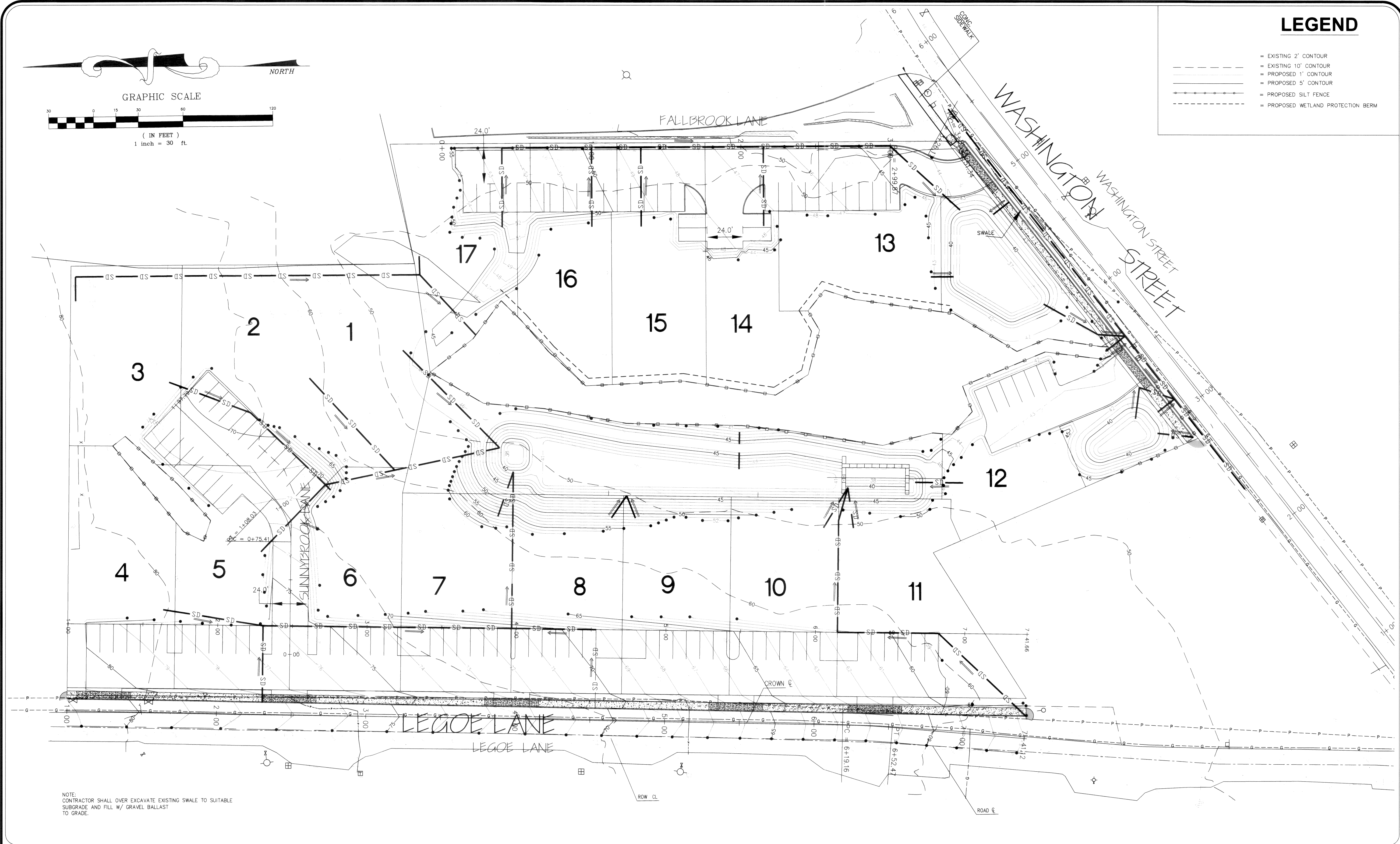
4

OF 24

70.07.5 100.01800



- LEGEND**
- EXISTING 2' CONTOUR
 - EXISTING 10' CONTOUR
 - PROPOSED 1' CONTOUR
 - PROPOSED 5' CONTOUR
 - PROPOSED SILT FENCE
 - PROPOSED WETLAND PROTECTION BERM



NOTE:
CONTRACTOR SHALL OVER EXCAVATE EXISTING SWALE TO SUITABLE
SUBGRADE AND FILL W/ GRAVEL BALLAST
TO GRADE.

DRAWN BY: SR DATE 03/15/05
CHECKED BY: DATE

WOODSIDE VILLAS LONG PLAT

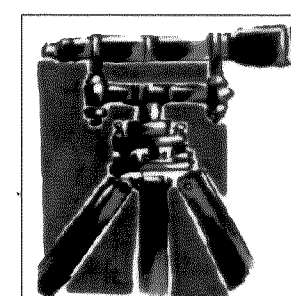
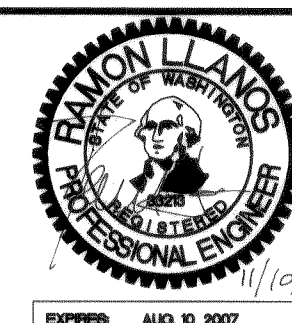
JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY LDES AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERDALE, DEPARTMENT OF PUBLIC WORKS."

[Signature] 11/10/05
RAYMON LLANOS, PE DATE



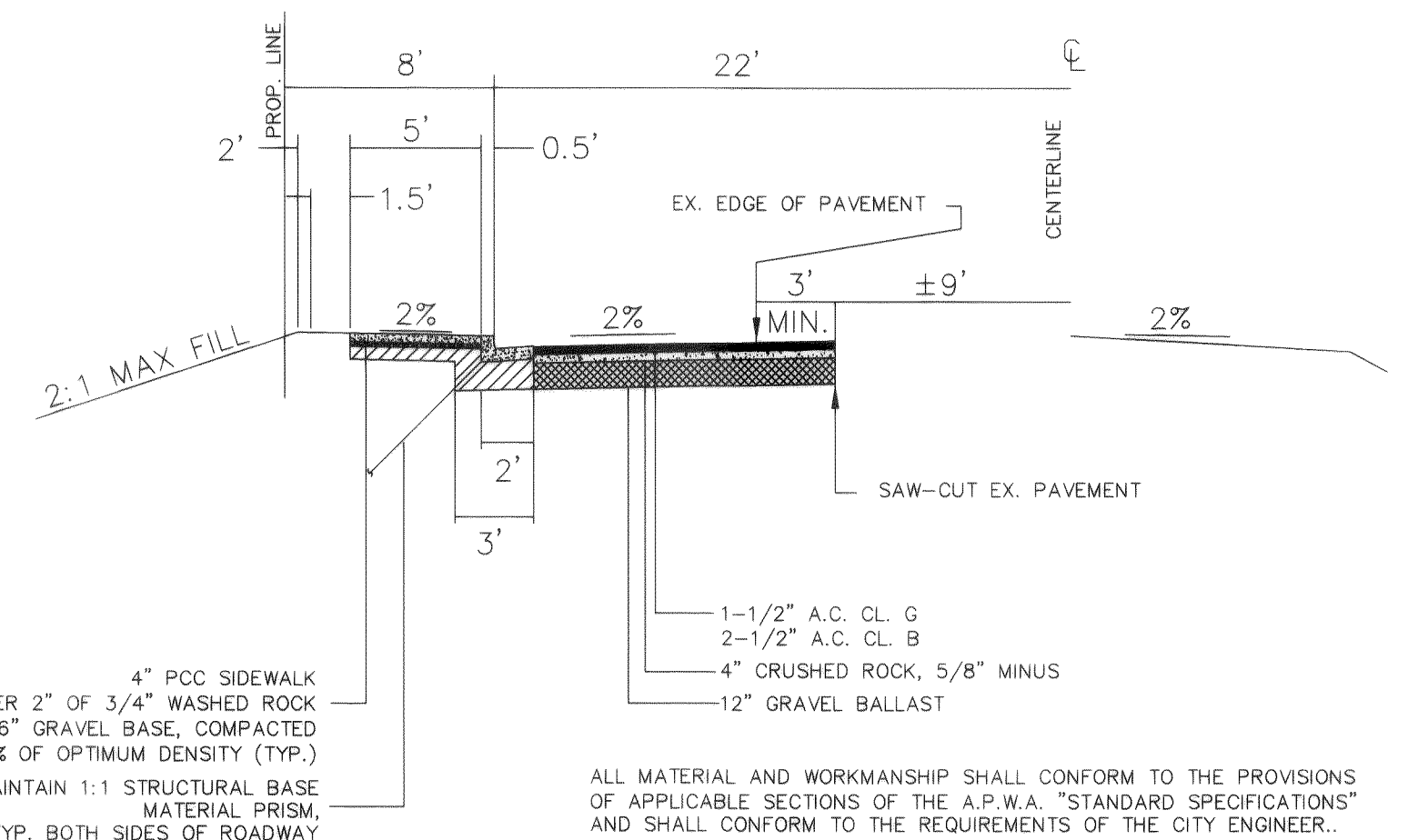
LDES, INC.
1350 SLATER RD. SUITE 9
FERDALE, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

WOODSIDE VILLAS LONG PLAT
CLEARING AND GRUBBING, AND GRADING PLAN

APPROVED
FEB 01 2006
BY *[Signature]*
CITY OF FERDALE

SHEET
5
OF 24

00310.005 2-21-06 KLR



WASHINGTON ROAD CROSS-SECTION

DRAWN BY SR DATE 03/15/05

CHECKED BY _____ DATE _____

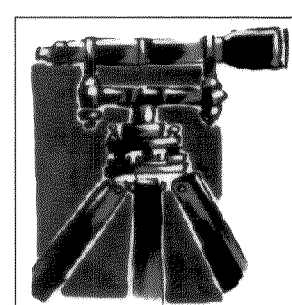
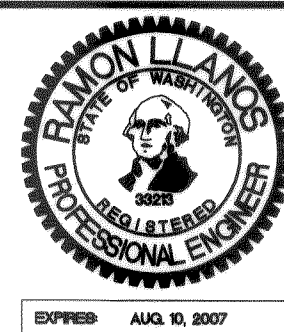
WOODSIDE VILLAS LONG PLAT

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY LDES AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDALE DEPARTMENT OF PUBLIC WORKS."

 6/27/00
RAMON LLANOS, PE. DATE



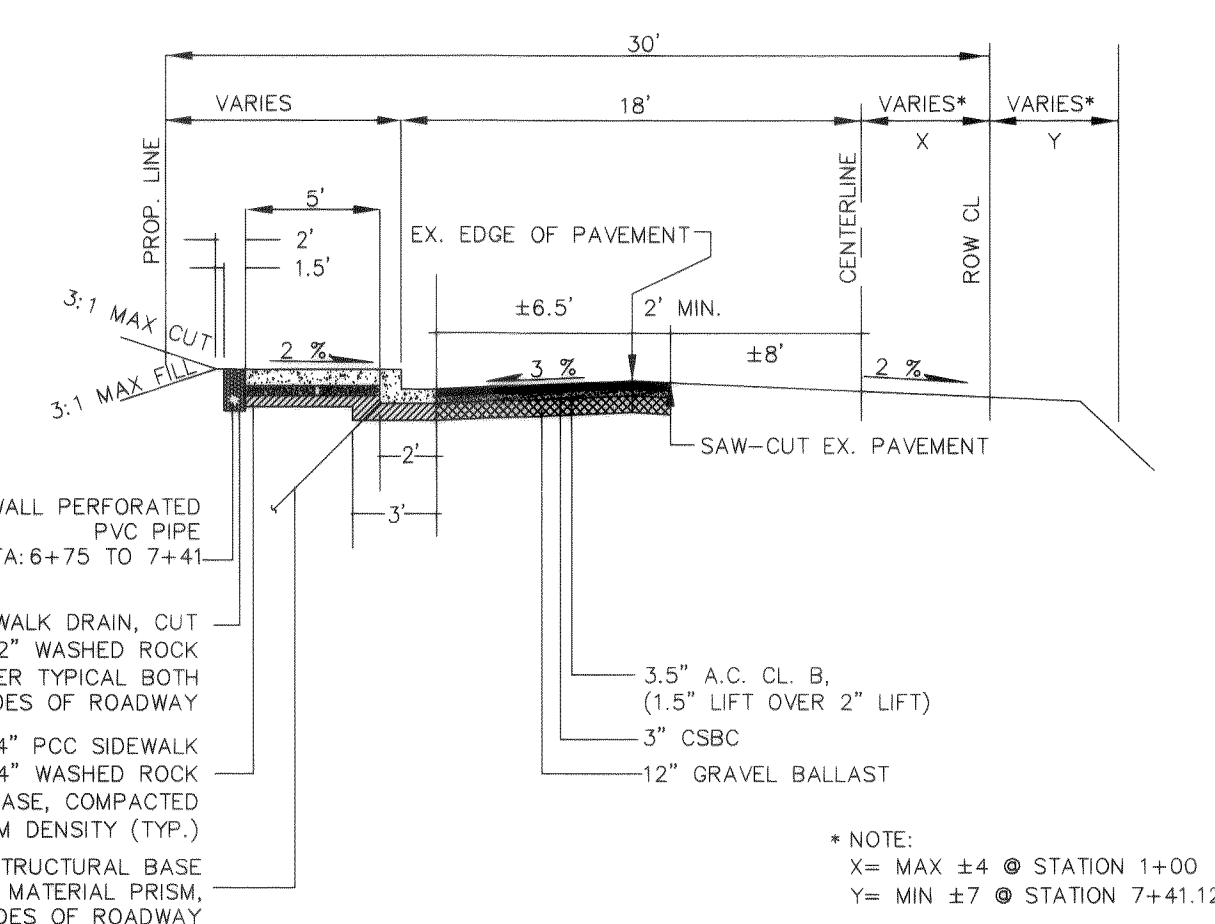
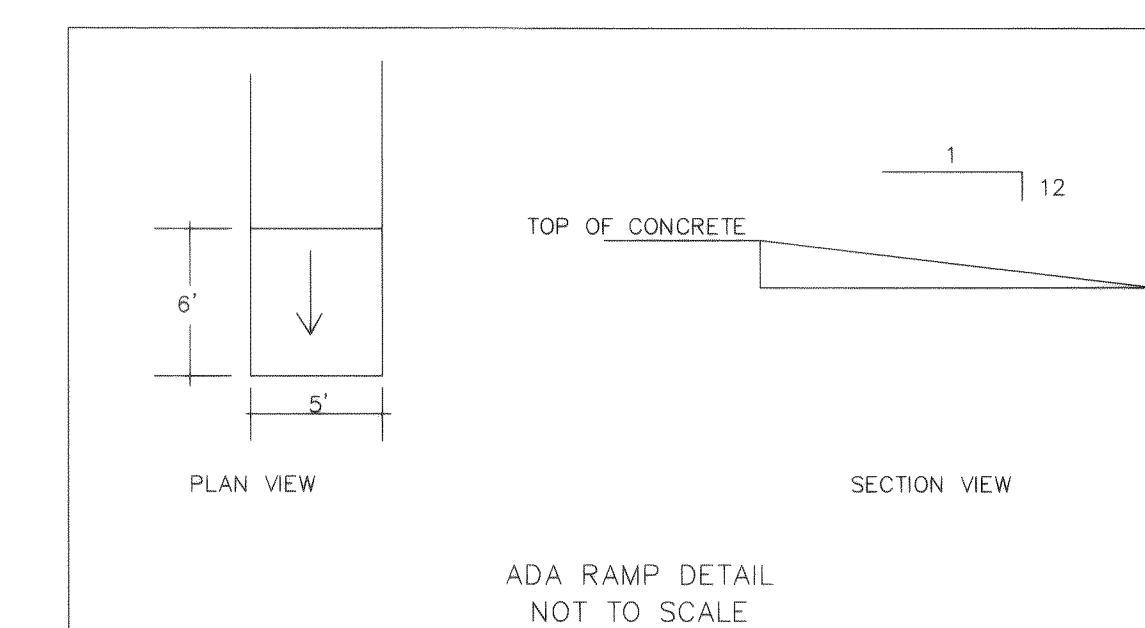
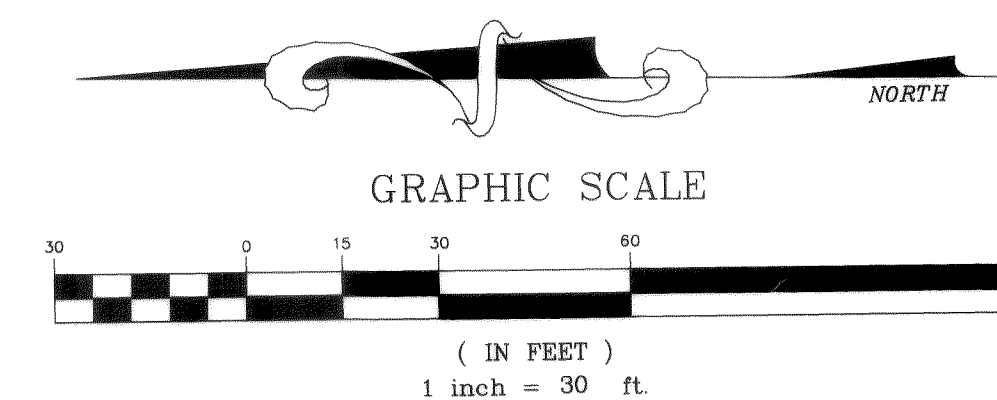
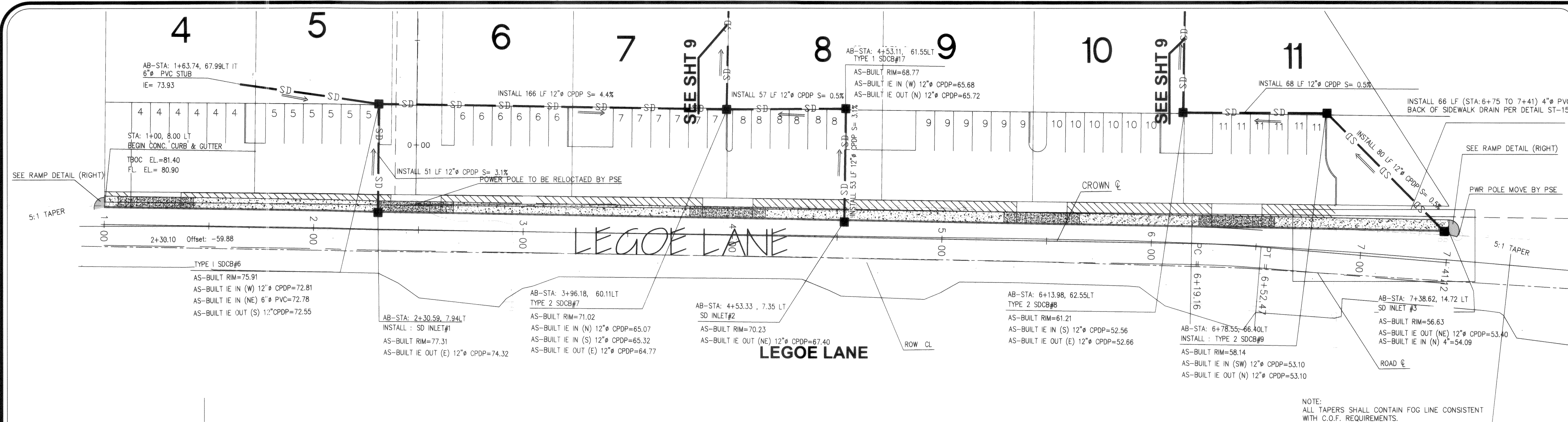
LDES, INC.
1350 SLATER RD. SUITE 9
FERNDALE, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

**AS-BUILT PLANS
WOODSIDE VILLAS LONG PLAT
WASHINGTON ST
STREET AND STORM DRAINAGE PLAN AND PROFILE**

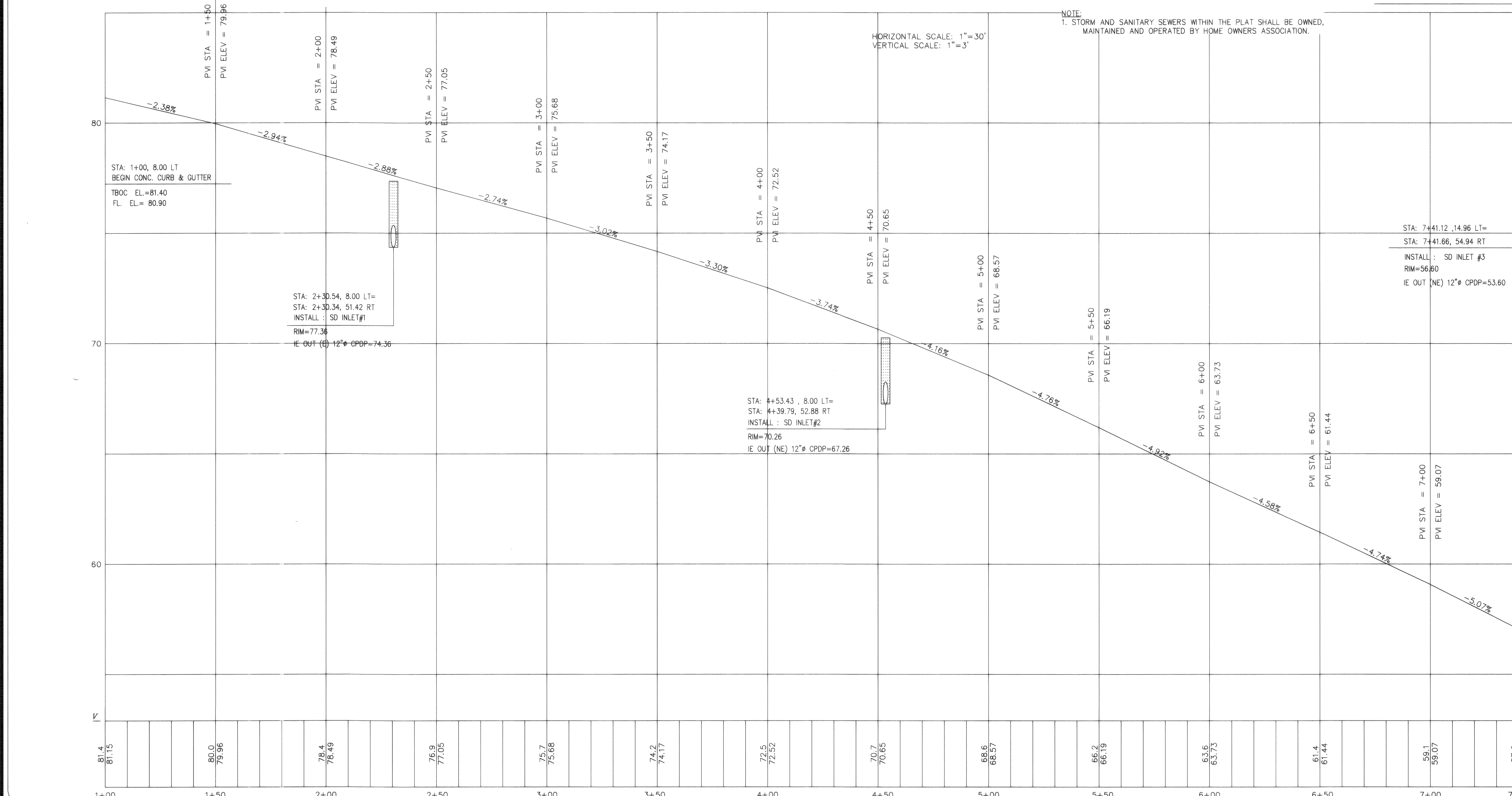
SHEET 4

6

OF 24



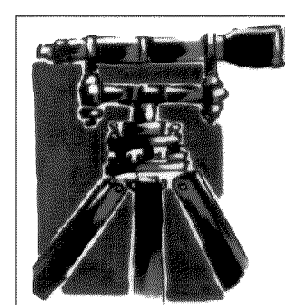
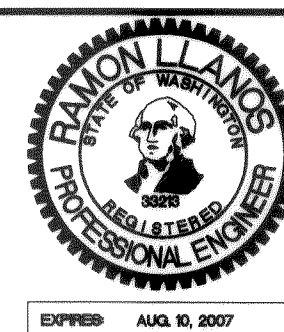
LEGOE ROAD CROSS-SECTION



WOODSIDE VILLAS LONG PLAT

FOR: **TORKILD CORPORATION**

 6/27/06
RAMON LLANO, DE DATE



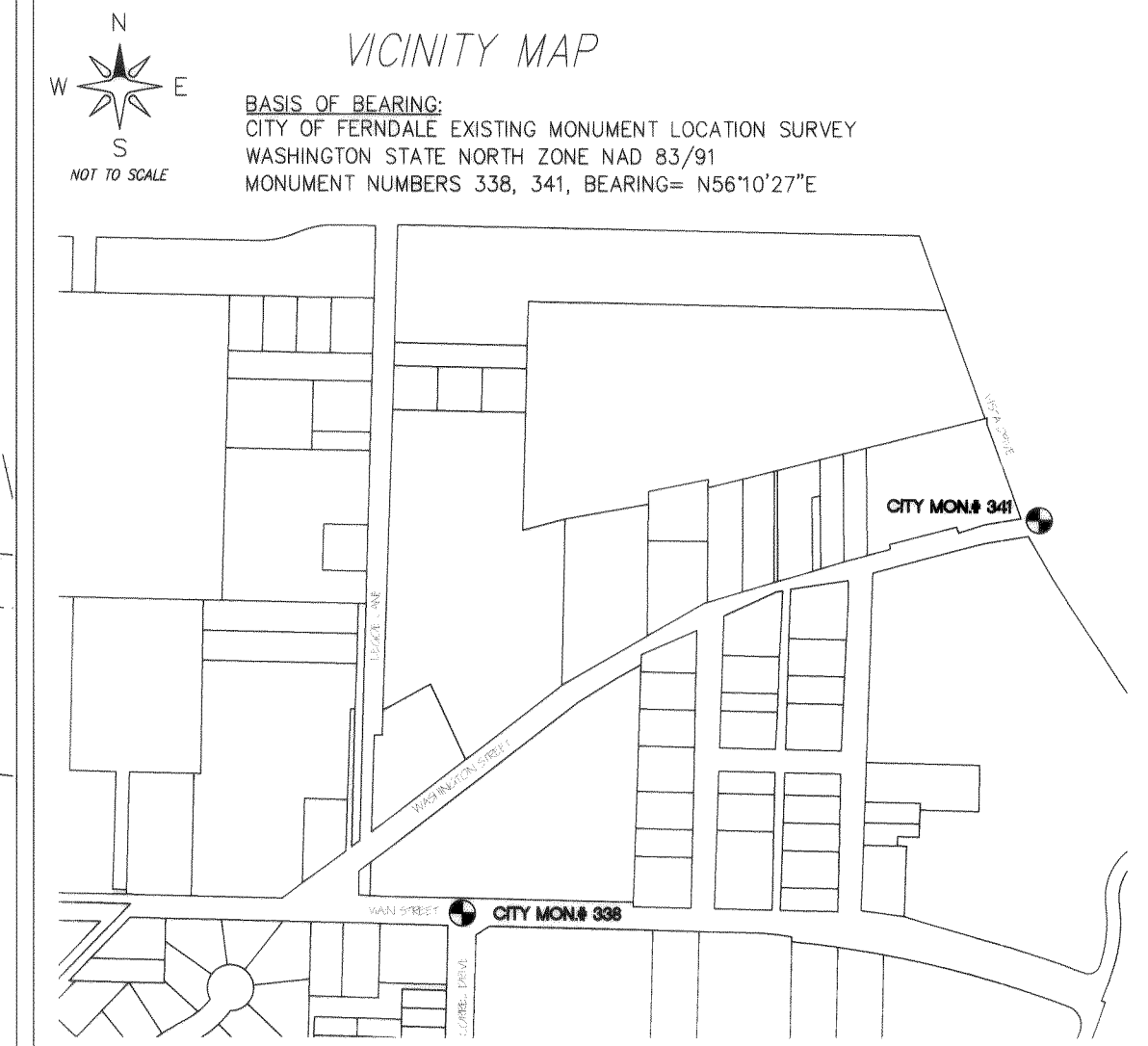
**AS-BUILT PLANS
WOODSIDE VILLAS LONG PLAT
LEGOE LANE
STREET & STORM DRAINAGE PLAN & PROFILE**

APPROVED
JAN 22 2007
BY RC
CITY OF FERNDA

SHEET

7

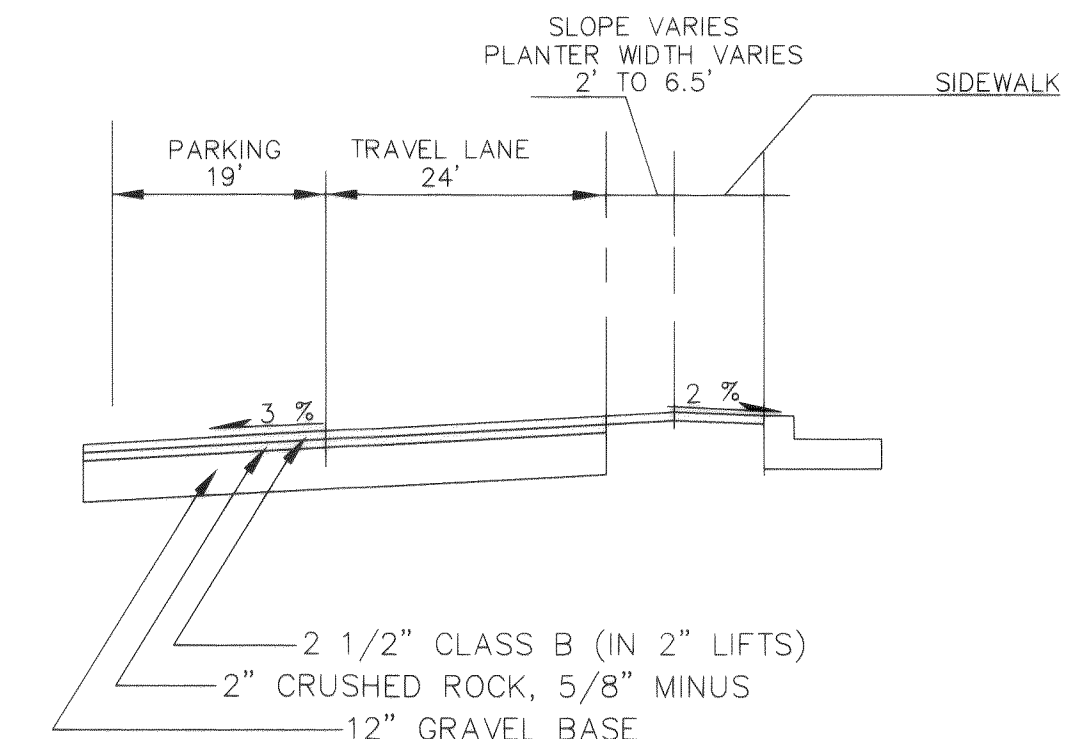
OF 2



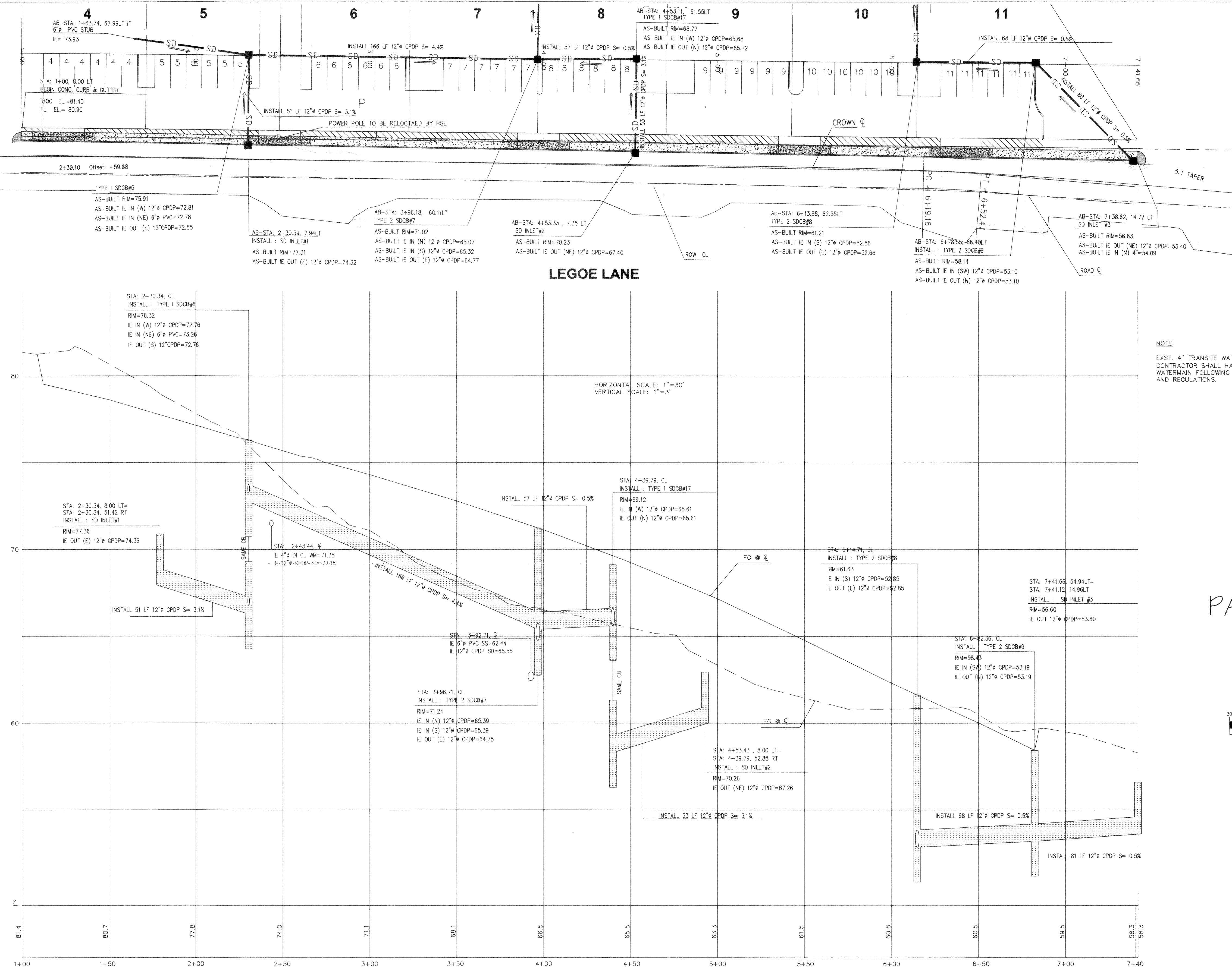
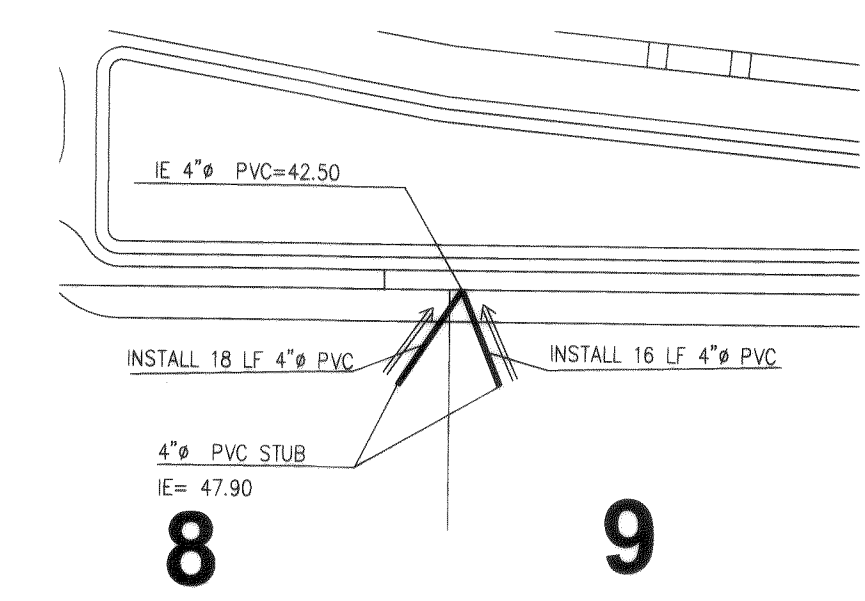
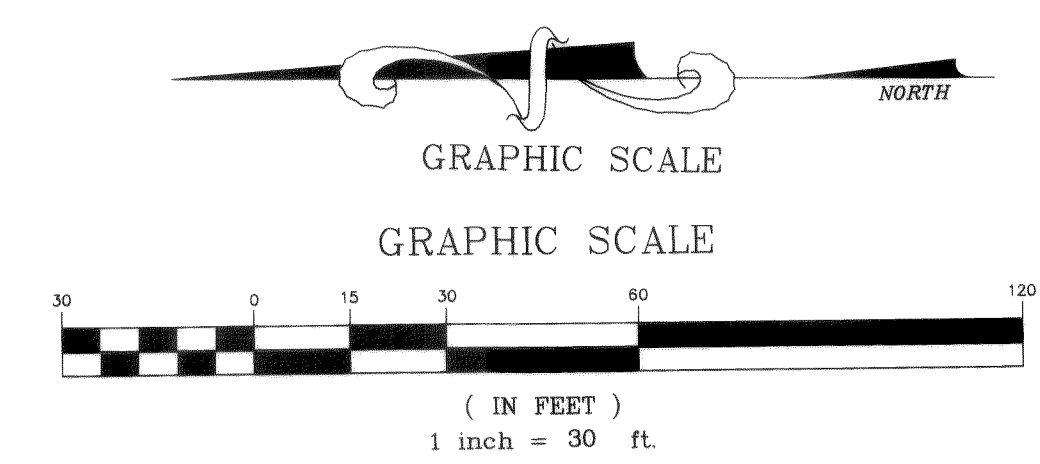
A PORTION OF SEC19 T39N R2E

NOTE:

EXIST. 4" TRANSITE WATERMAIN TO BE ABANDONED BY CITY OF FERNDALE. CONTRACTOR SHALL HANDLE AND/OR DISPOSE DISTURBED PORTIONS OF SAID WATERMAIN FOLLOWING CITY OF FERNDALE AND WSDOE SPECIFICATIONS AND REGULATIONS.



PARKING CROSS-SECTION



DRAWN BY SR DATE 06/15/05

CHECKED BY DATE

JOB # 04506

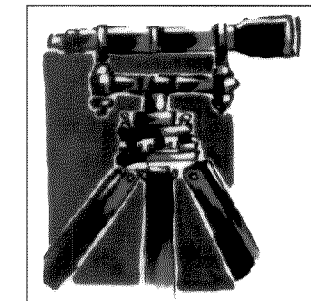
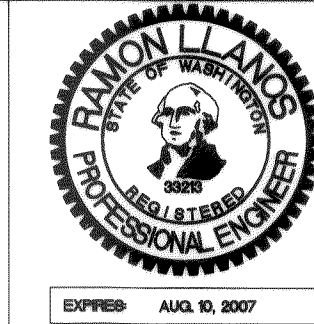
WOODSIDE VILLAS LONG PLAT

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR ROAD DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDALE DEPARTMENT OF PUBLIC WORKS.

DATE 6/27/06
RAYMON LLANOS, PE

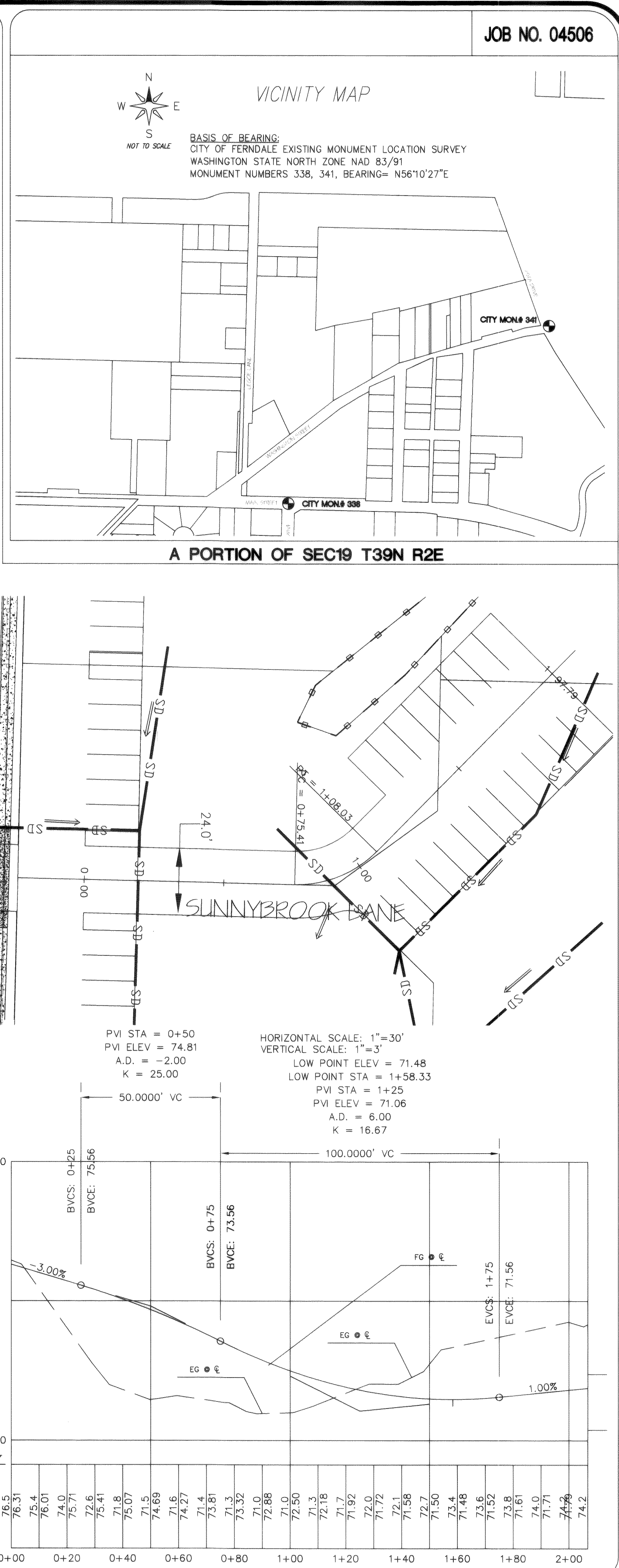
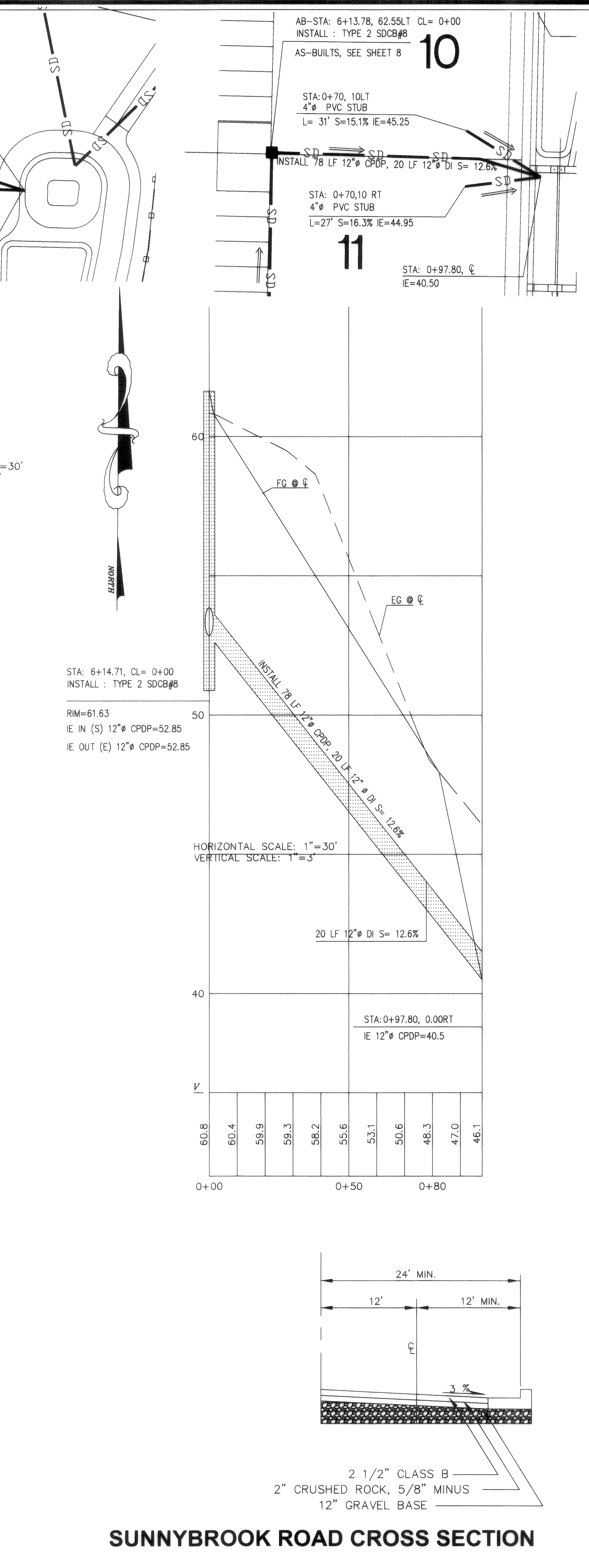
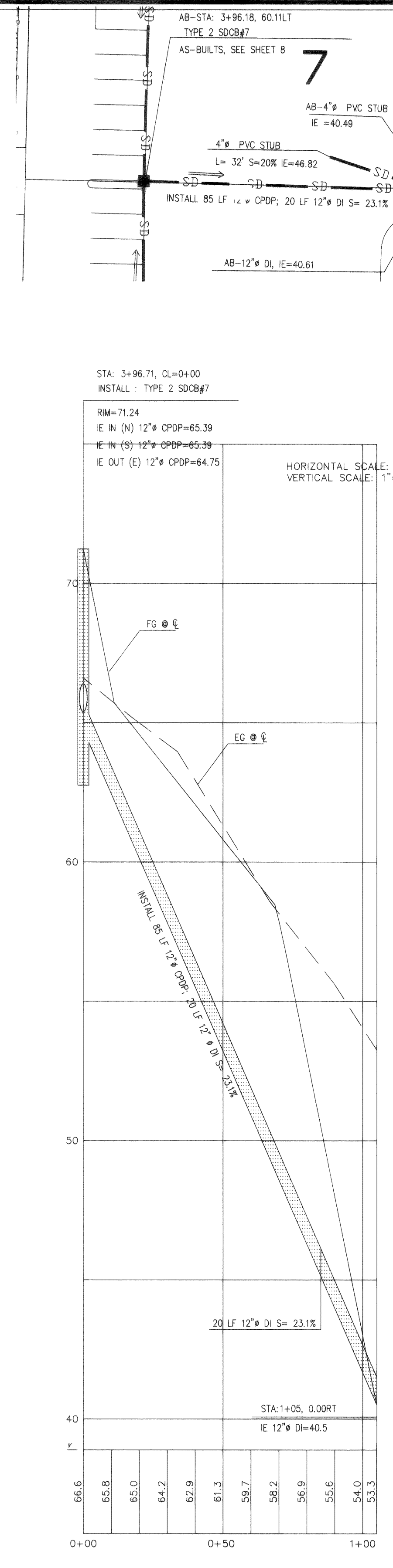
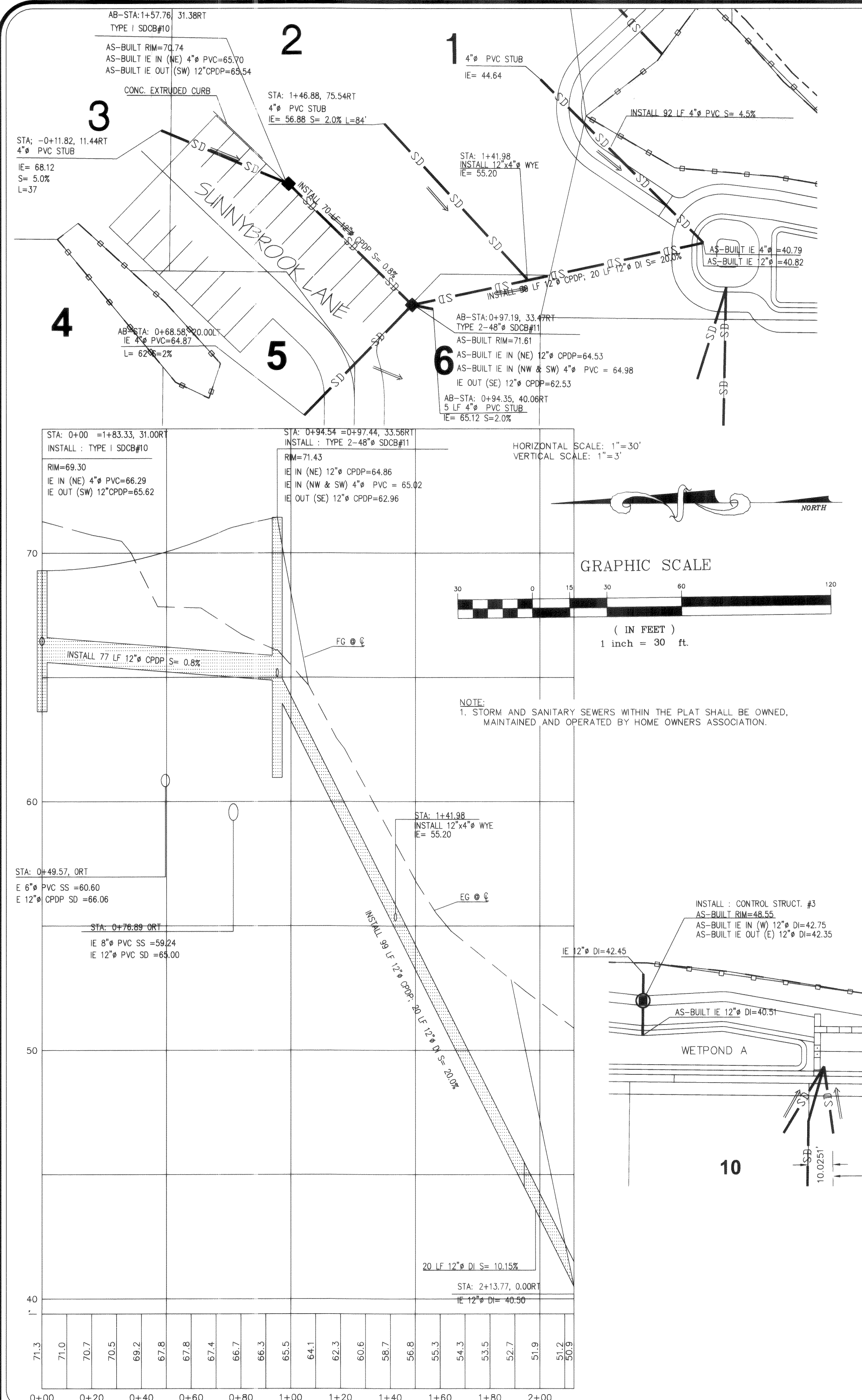


LDES, INC.
1350 SLATER RD. SUITE 9
FERNDAL, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

AS-BUILT PLANS
WOODSIDE VILLAS LONG PLAT
LEGOE LANE
STORM DRAINAGE PLAN & PROFILE

APPROVED
JAN 22 2007
BY [Signature]
CITY OF FERNDALE

SHEET
8
OF 24



DRAWN BY: SR DATE: 06/15/05
CHECKED BY: DATE: _____

WOODSIDE VILLAS LONG PLAT

JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDALE, DEPARTMENT OF PUBLIC WORKS."

[Signature] DATE: 6/27/06
RAIMON LLANOS, PE

RAIMON LLANOS
PROFESSIONAL ENGINEER
EXPIRES: AUG. 10, 2007

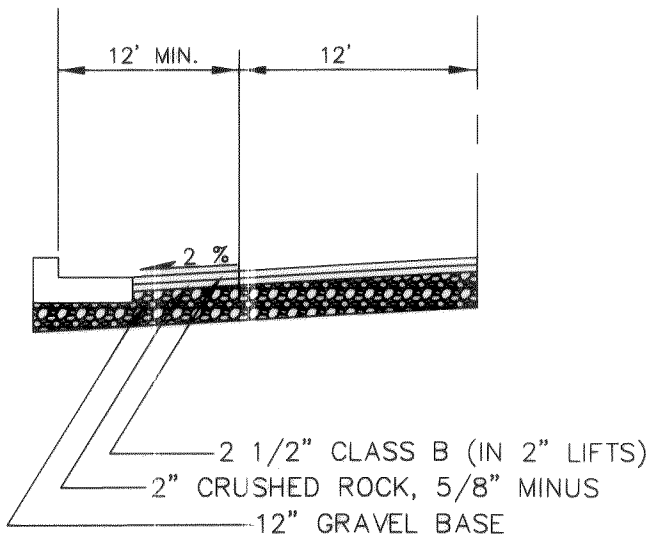
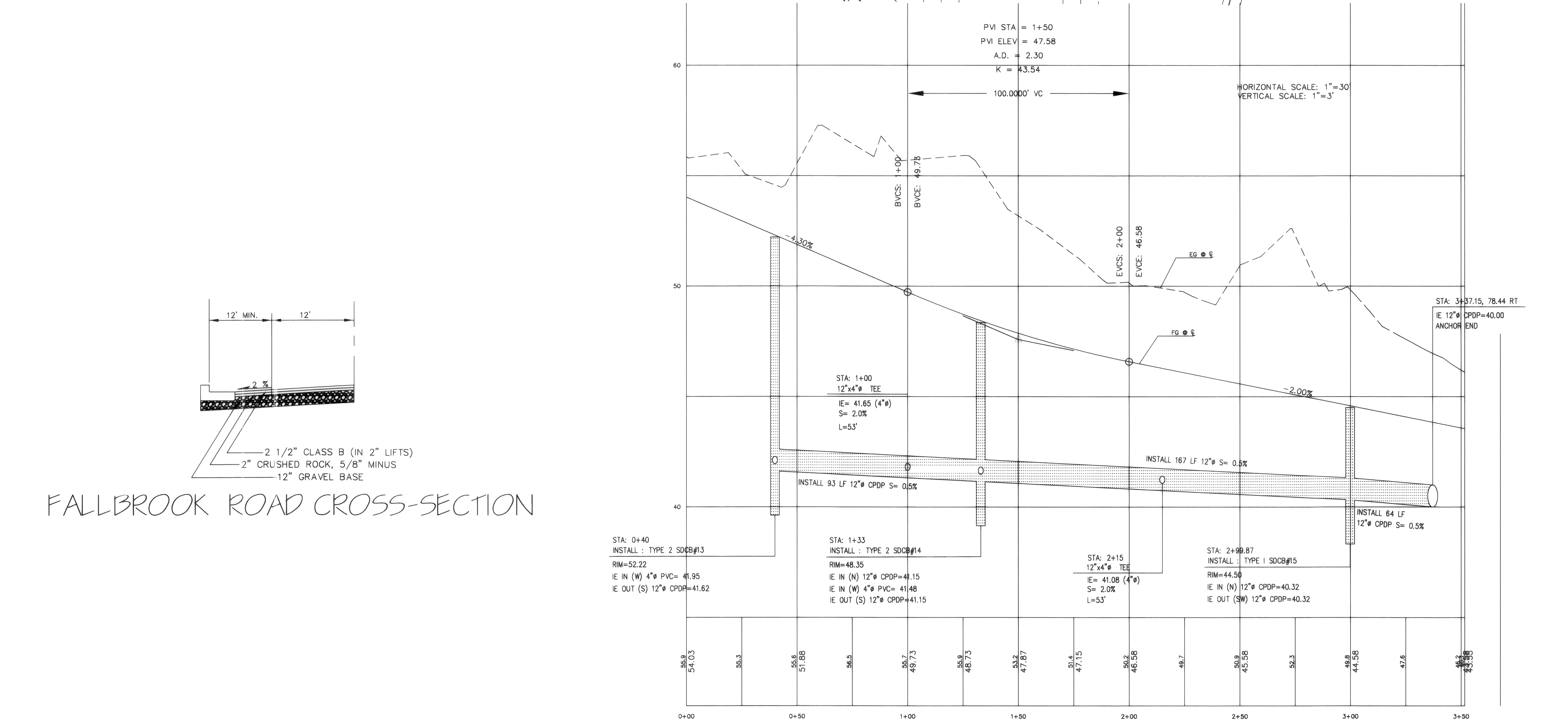
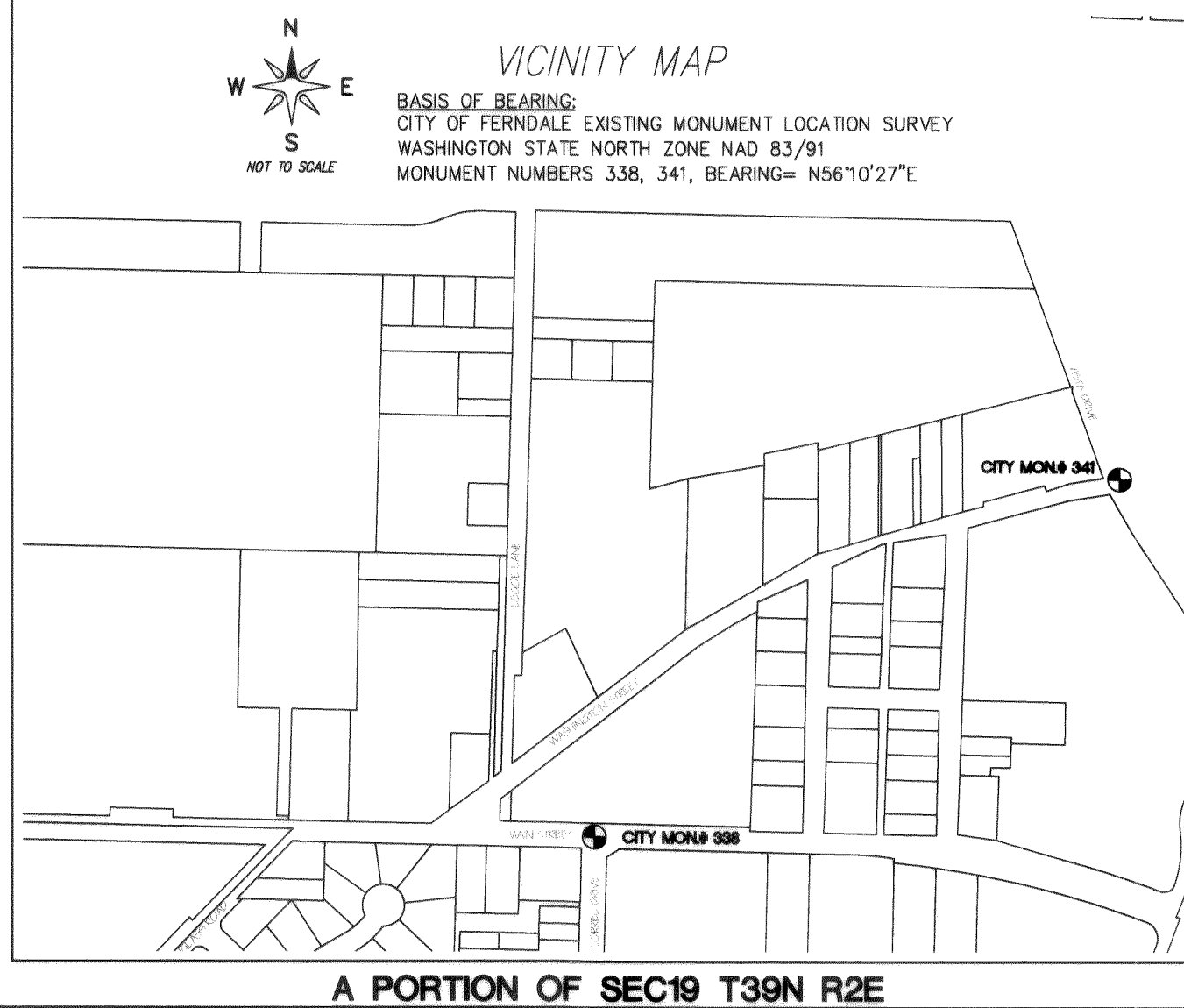
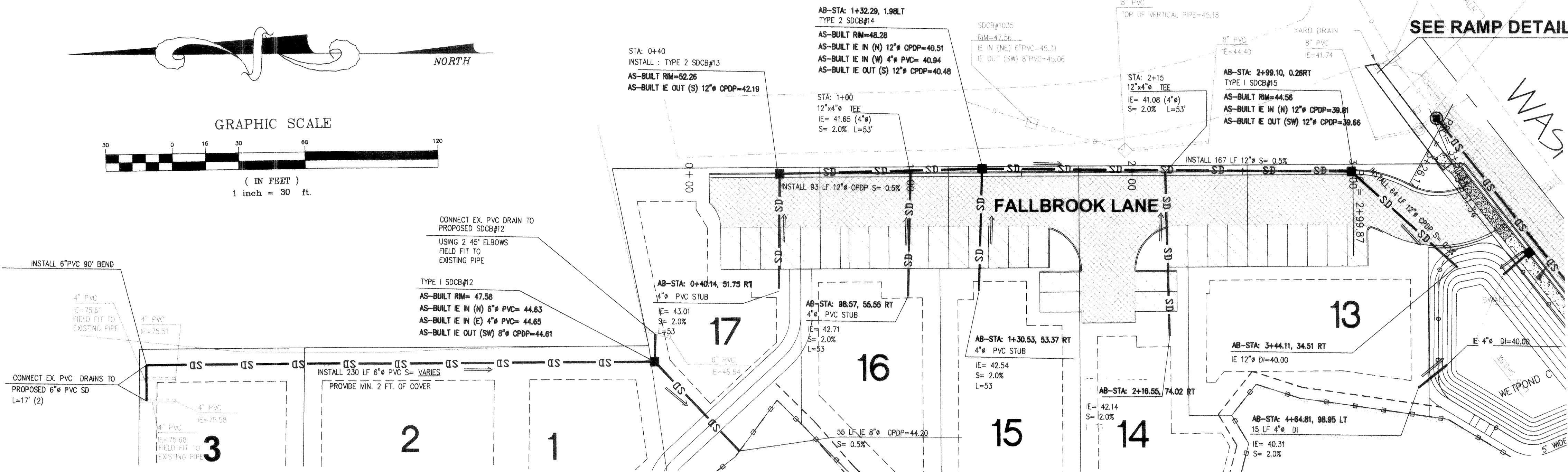
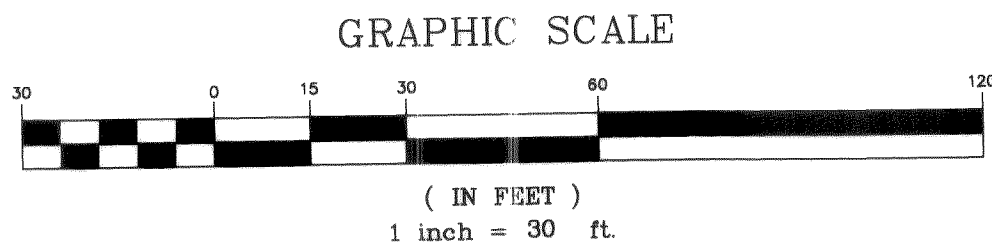
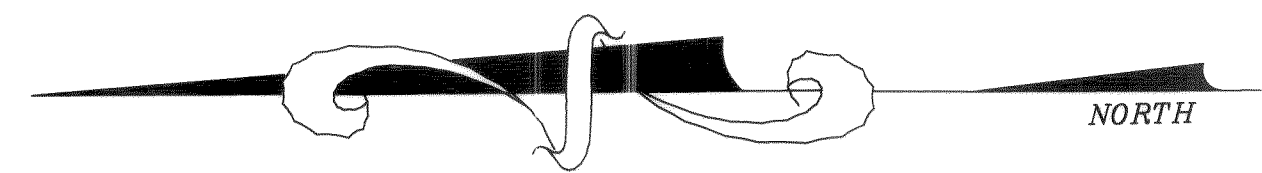
LDES, INC.
1350 SLATER RD. SUITE 9
FERNDAL, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

AS-BUILT PLANS
WOODSIDE VILLAS LONG PLAT
LEGEE AND SUNNYBROOK
STREET AND STORM DRAINAGE PLAN AND PROFILE

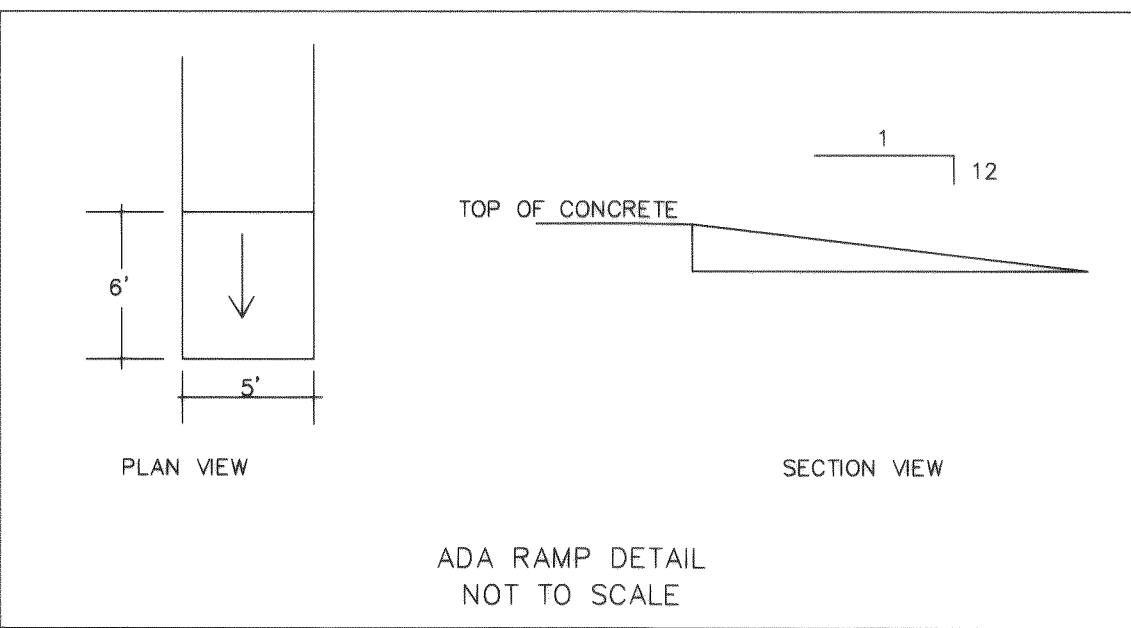
APPROVED
JAN 22 2007
BY: _____
CITY OF FERNDALE

SHEET
9
OF 24

0030.009 1-28.08 K2



FALLBROOK ROAD CROSS-SECTION



DRAWN BY SR DATE 03/15/05
CHECKED BY DATE

WOODSIDE VILLAS LONG PLAT

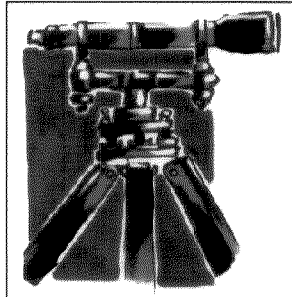
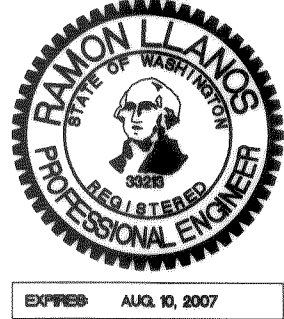
JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERDALE DEPARTMENT OF PUBLIC WORKS."

[Signature]
RAMON LLANOS, PE
DATE 6/27/06



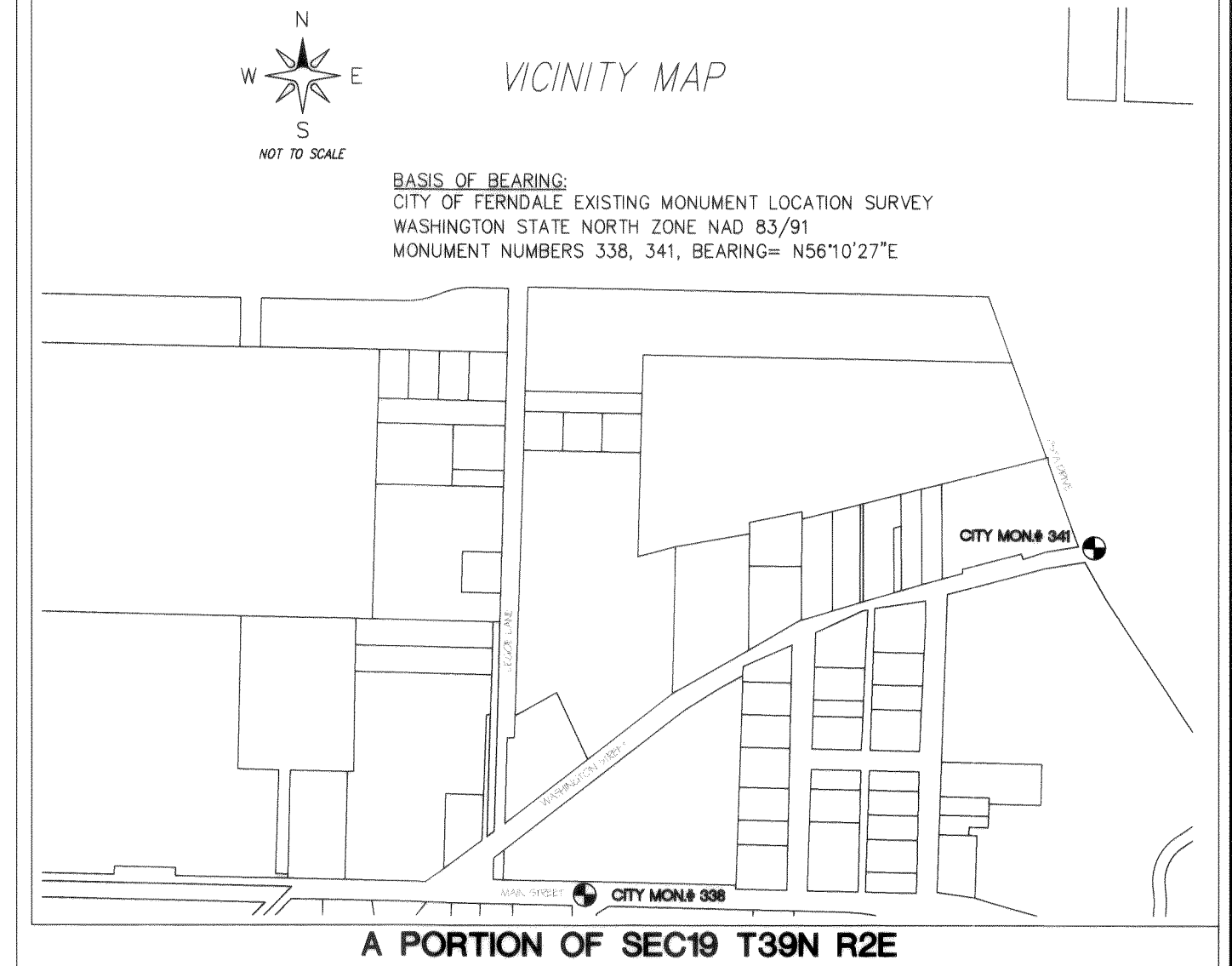
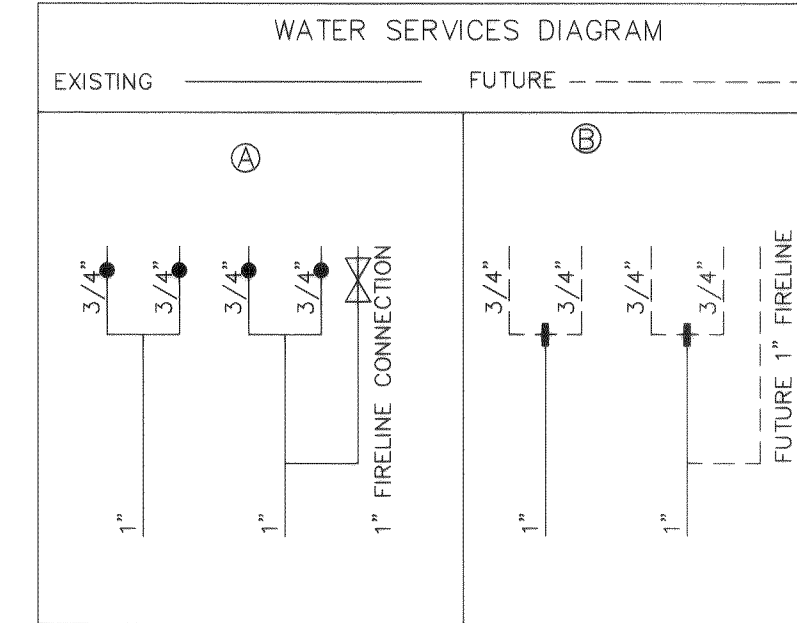
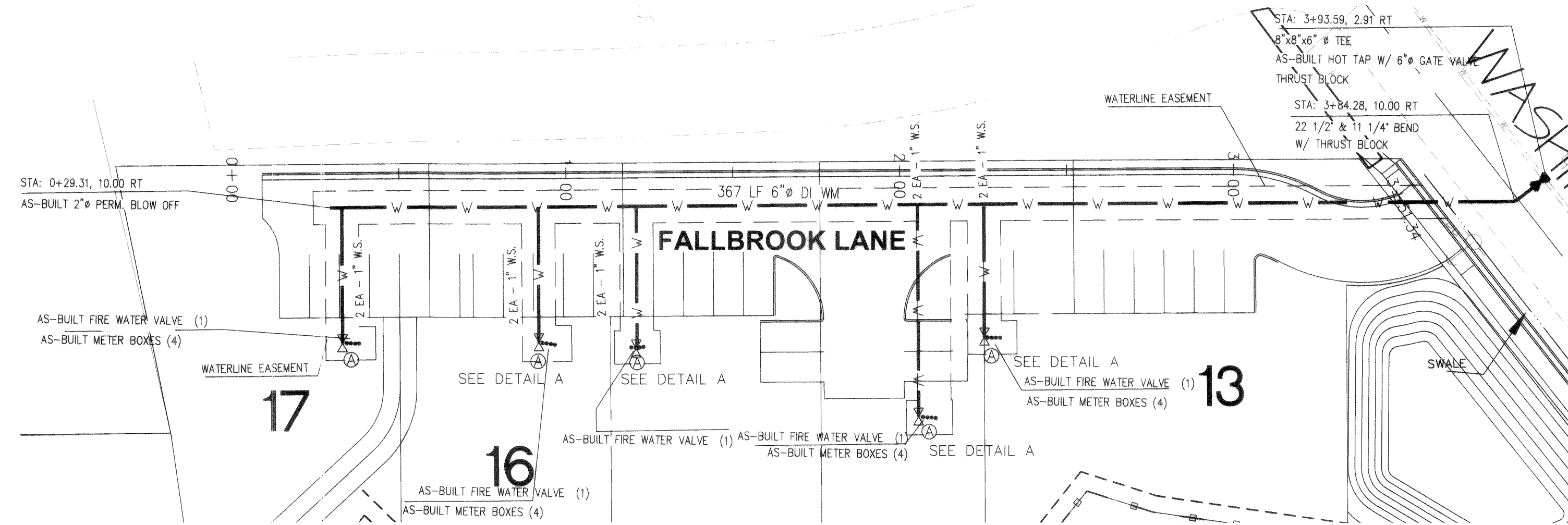
LDES, INC.
1350 SLATER RD. SUITE 9
FERDALE, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

AS-BUILT PLANS
WOODSIDE VILLAS LONG PLAT
FALLBROOK LANE
STREET AND STORM DRAINAGE PLAN & PROFILE

APPROVED
JAN 22 2007
BY *[Signature]*
CITY OF FERDALE

SHEET
10
OF 24

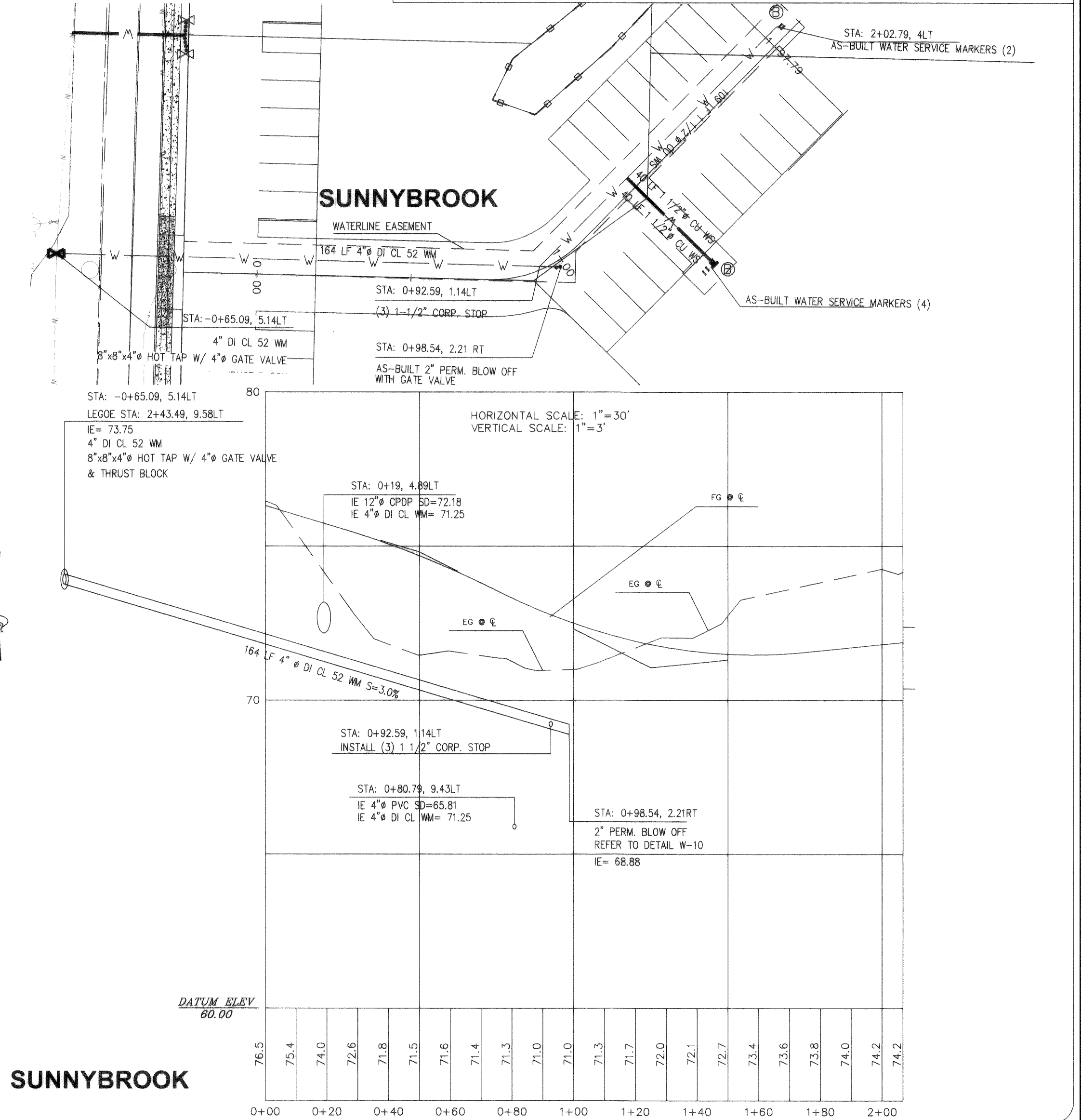
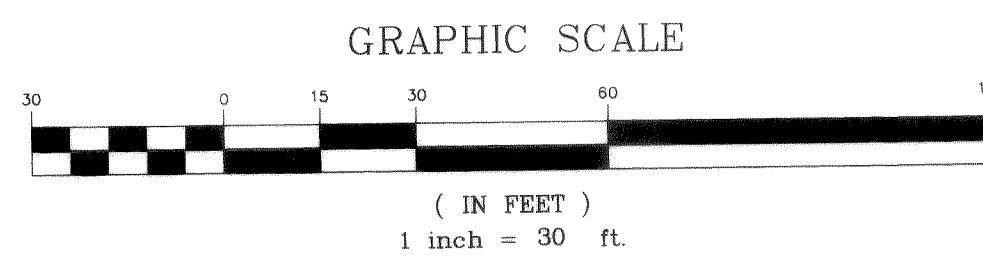
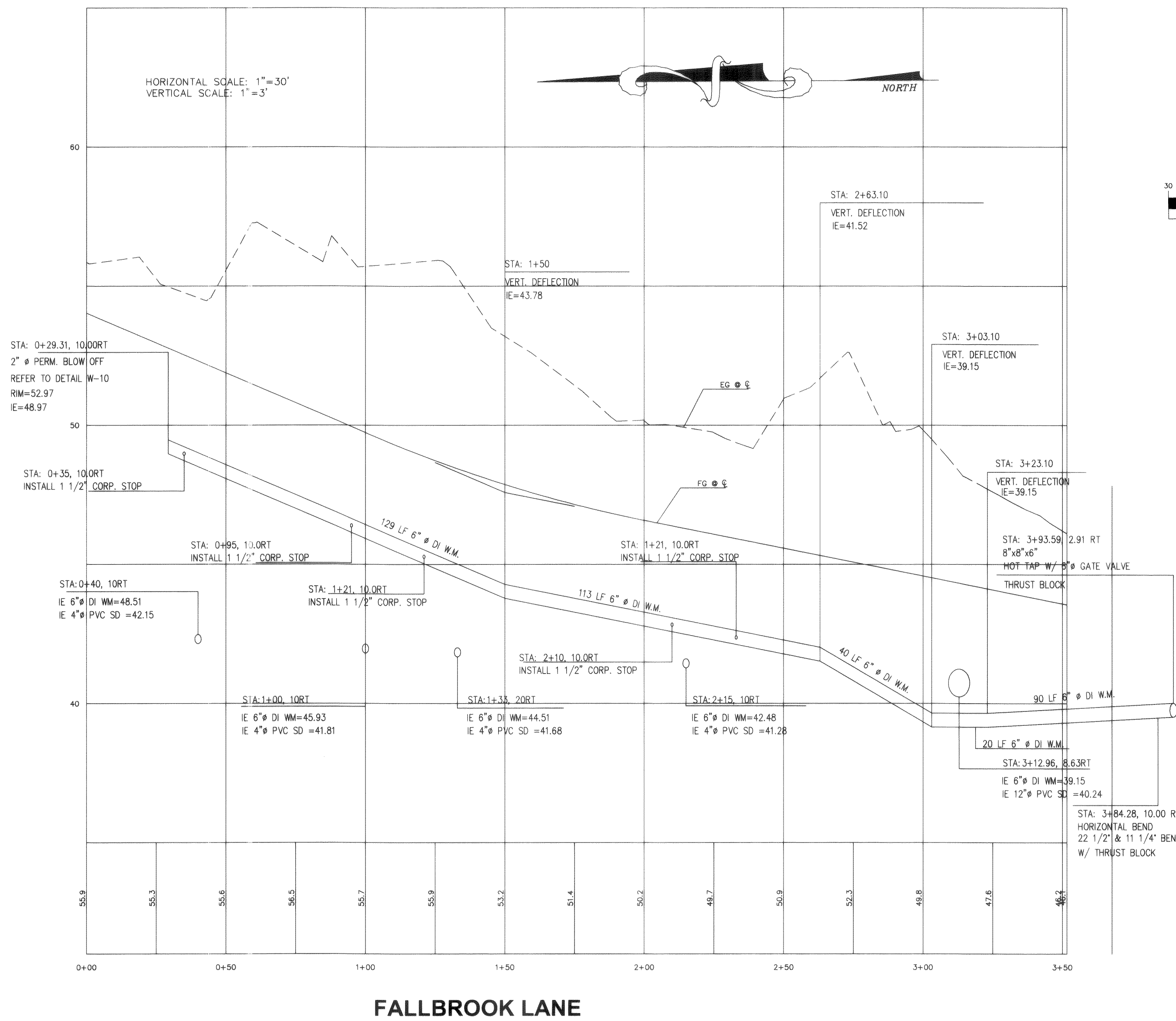
00310.010 1-28-08 K2



- = AS-BUILT WATER METER BOX (W/METER SETTER & W/CURB STOP) PER DETAIL W-5 SHOWN ON SHEET 18
- = AS-BUILT WATER SERVICE MARKER (W/OUT METER SETTER & W/CURB STOP)
- = AS-BUILT WATER VALVE (FOR FIRE CONNECTION)

NOTE:

EXST. 4" TRANSITE WATER MAIN TO BE ABANDONED BY CITY OF FERNDALE.
CONTRACTOR SHALL HANDLE AND/OR DISPOSE DISTURBED PORTIONS OF SAID
WATER MAIN FOLLOWING CITY OF FERNDALE AND WSDOE SPECIFICATIONS
AND REGULATIONS.



DRAWN BY: SR DATE: 06/15/05
CHECKED BY: DATE:

WOODSIDE VILLAS LONG PLAT

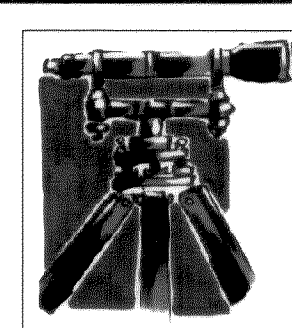
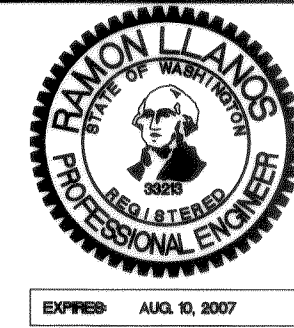
JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE
VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN
CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC
WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL
SPECIFICATIONS ADOPTED BY THE CITY OF FERNDALE
DEPARTMENT OF PUBLIC WORKS."

DATE: 6/27/06
Ramon Llanos, PE

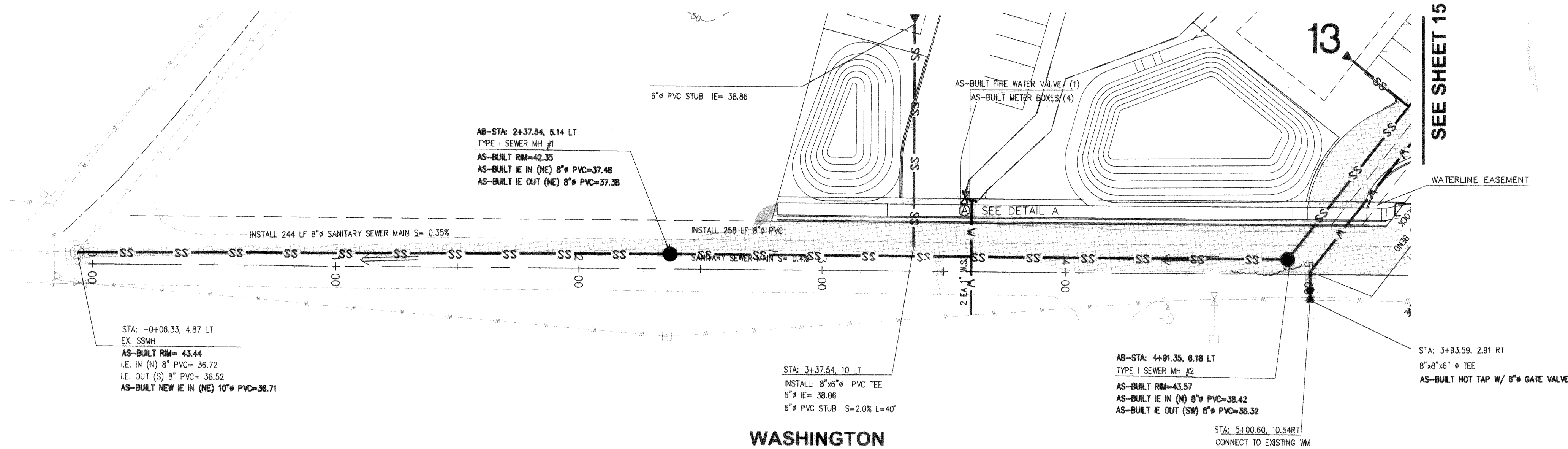


LDES, INC.
1350 SLATER RD. SUITE 9
FERNDALE, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

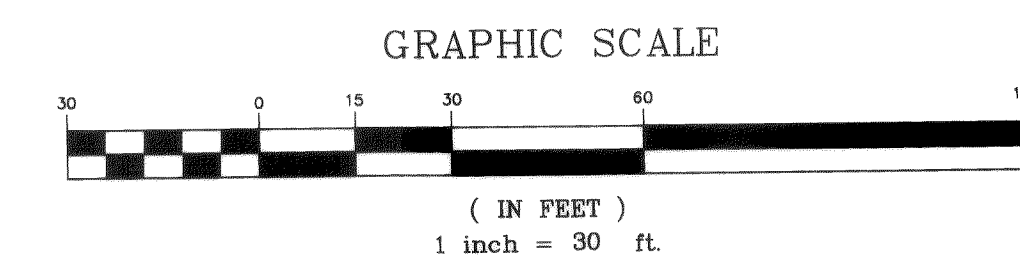
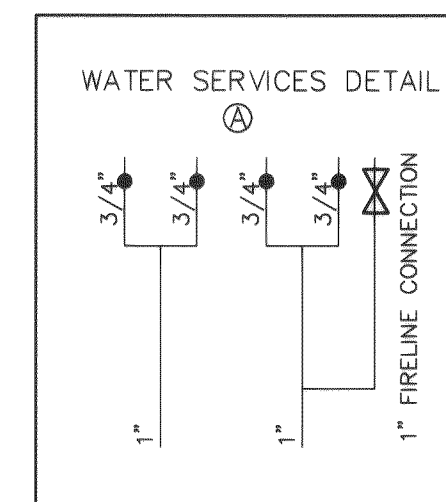
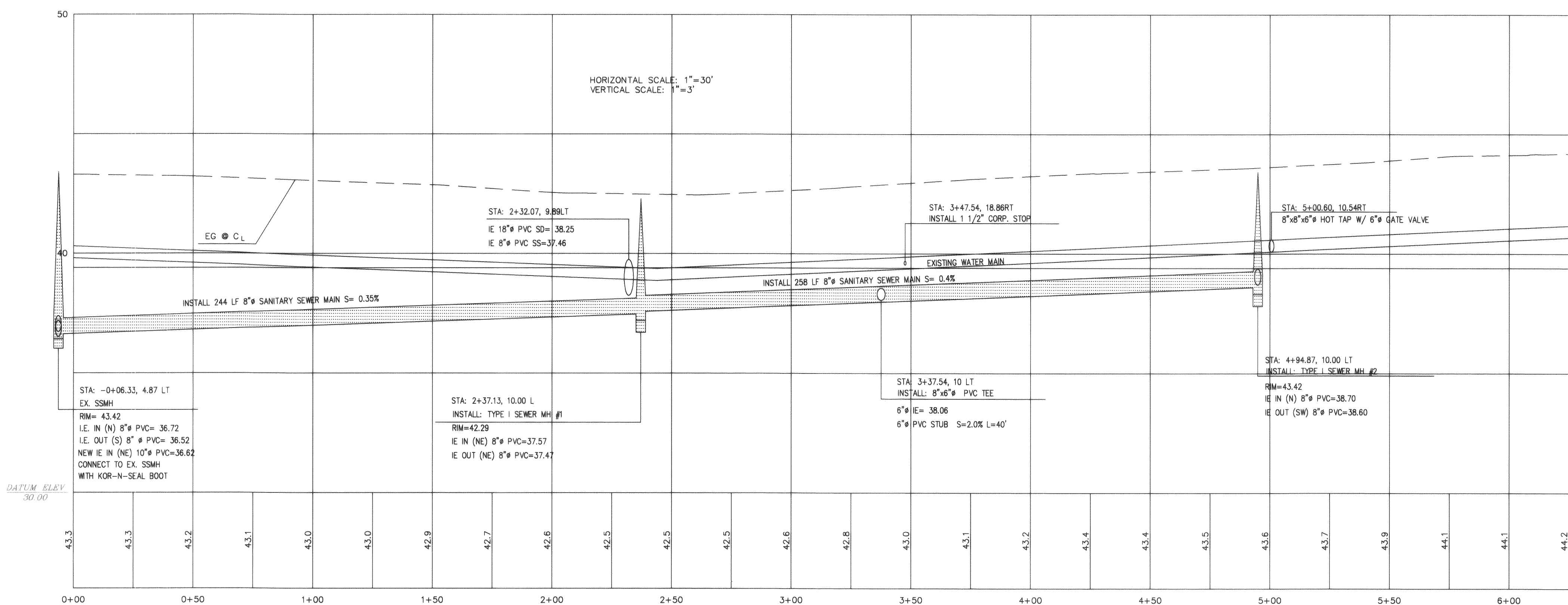
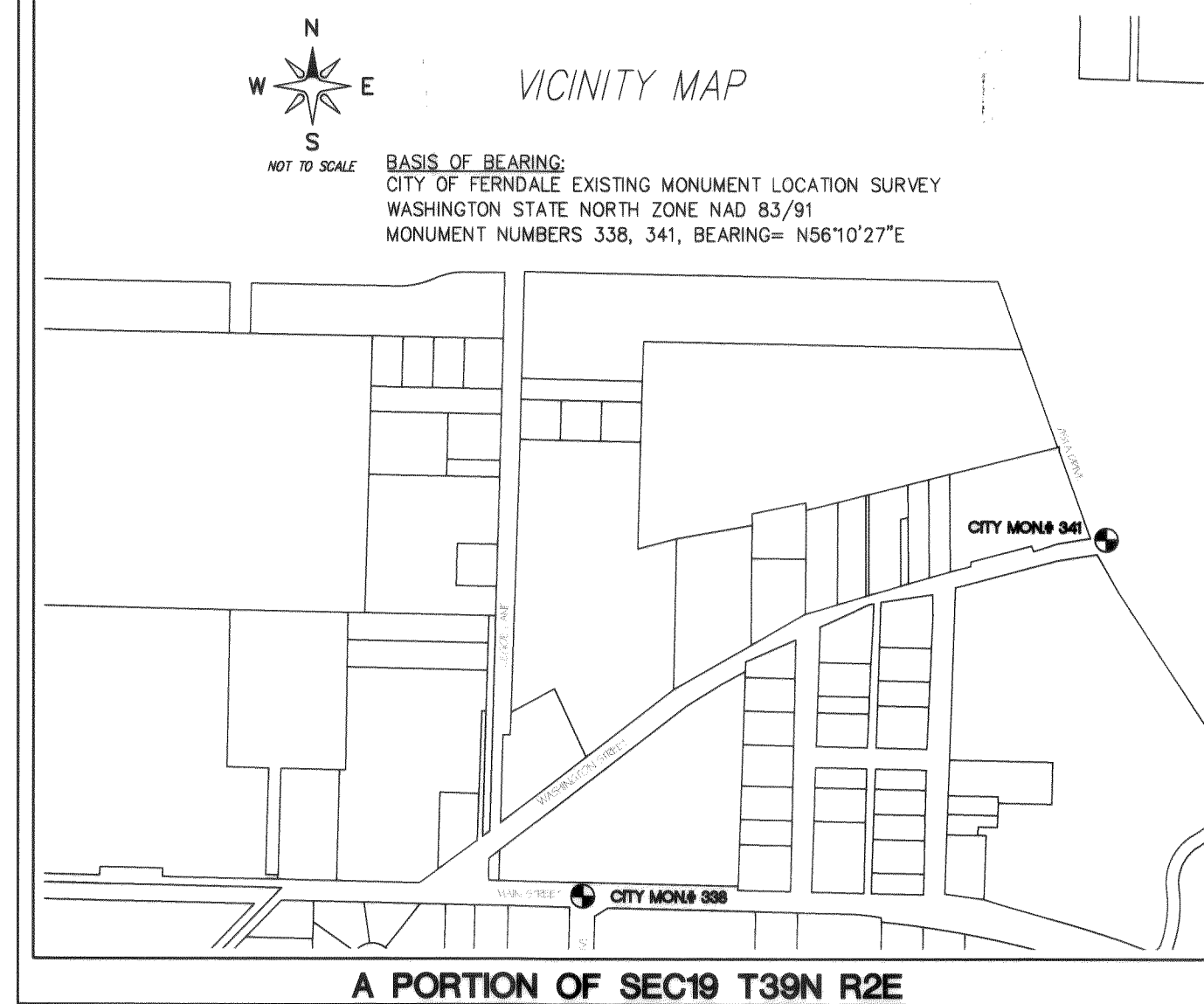
AS-BUILT PLANS
SUNNYBROOK AND FALLBROOK LANE
WATER PLAN AND PROFILE

APPROVED
JAN 22 2007
BY: [Signature]
CITY OF FERNDALE

SHEET
11
OF 24



- NOTE:
1. STORM AND SANITARY SEWERS WITHIN THE PLAT SHALL BE OWNED, MAINTAINED AND OPERATED BY HOME OWNERS ASSOCIATION.
2. THERE SHALL HEREBY BE AN EASEMENT IN FAVOR OF THE C.O.F. FOR WATERLINES/WATER SERVICES ON EACH LOT AND WITHIN THE DEVELOPMENT AS A WHOLE WHICH EXTENDS FROM ANY SUCH WATER PIPES TO 5' ON EACH SIDE THERE OF.
- = AS-BUILT WATER METER BOX (W/METER SETTER & W/CURB STOP) PER DETAIL W-5 SHOWN ON SHEET 18
- = AS-BUILT WATER SERVICE MARKER (W/OUT METER SETTER & W/CURB STOP)
- = AS-BUILT WATER VALVE (FOR FIRE CONNECTION)



DRAWN BY SR DATE 03/15/05

CHECKED BY DATE

WOODSIDE VILLAS LONG PLAT

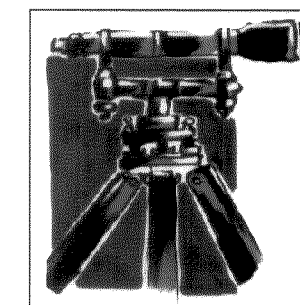
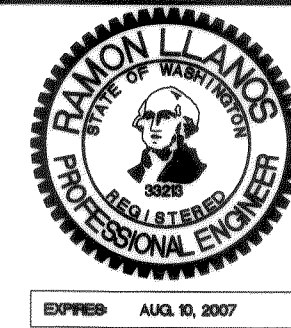
JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERDALE DEPARTMENT OF PUBLIC WORKS."

6/27/06
DATE



LDES, INC.
1350 SLATER RD. SUITE 9
FERDALE, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

AS-BUILT PLANS
WASHINGTON ST
SEWER AND WATER PLAN AND PROFILE

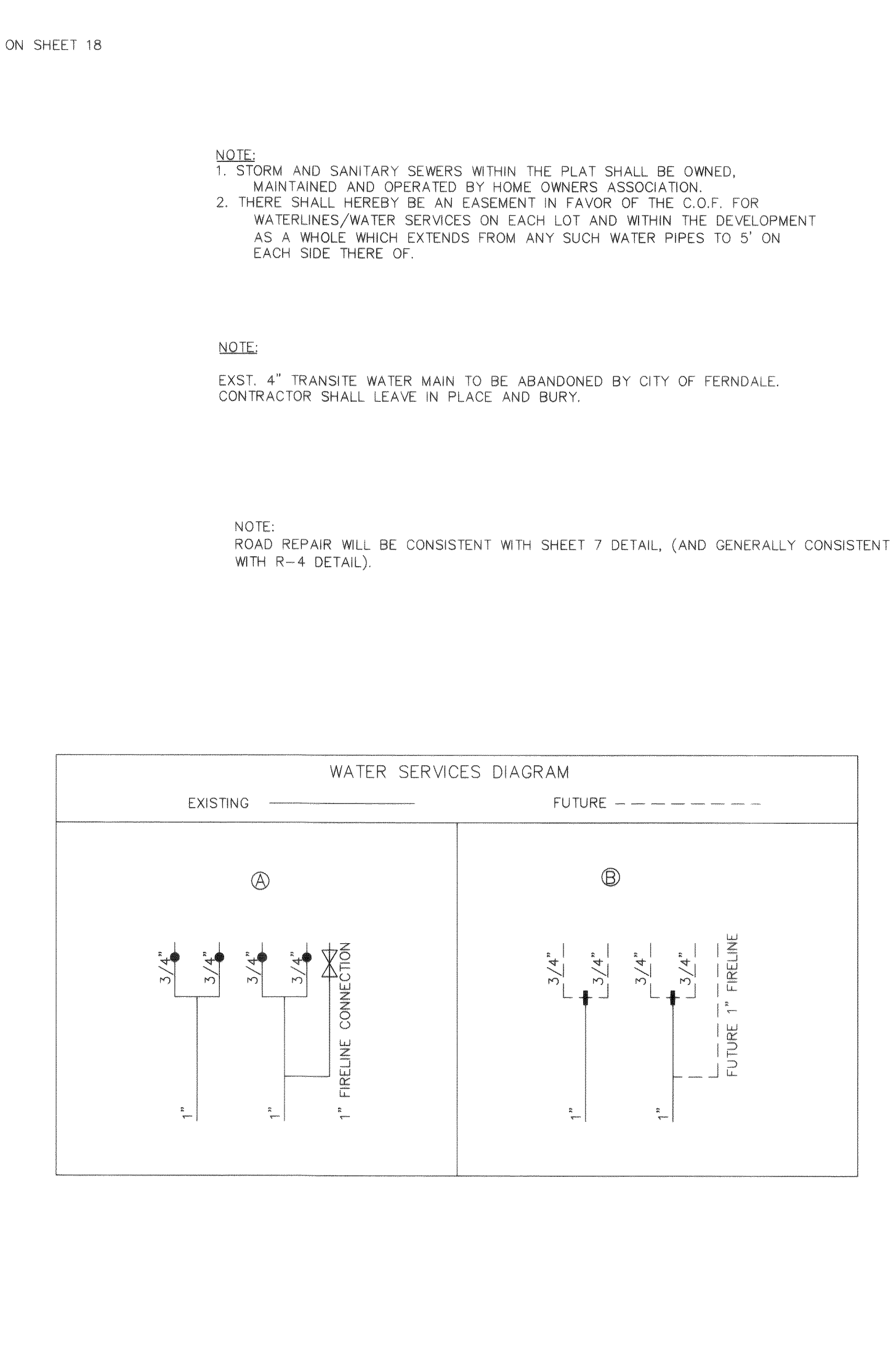
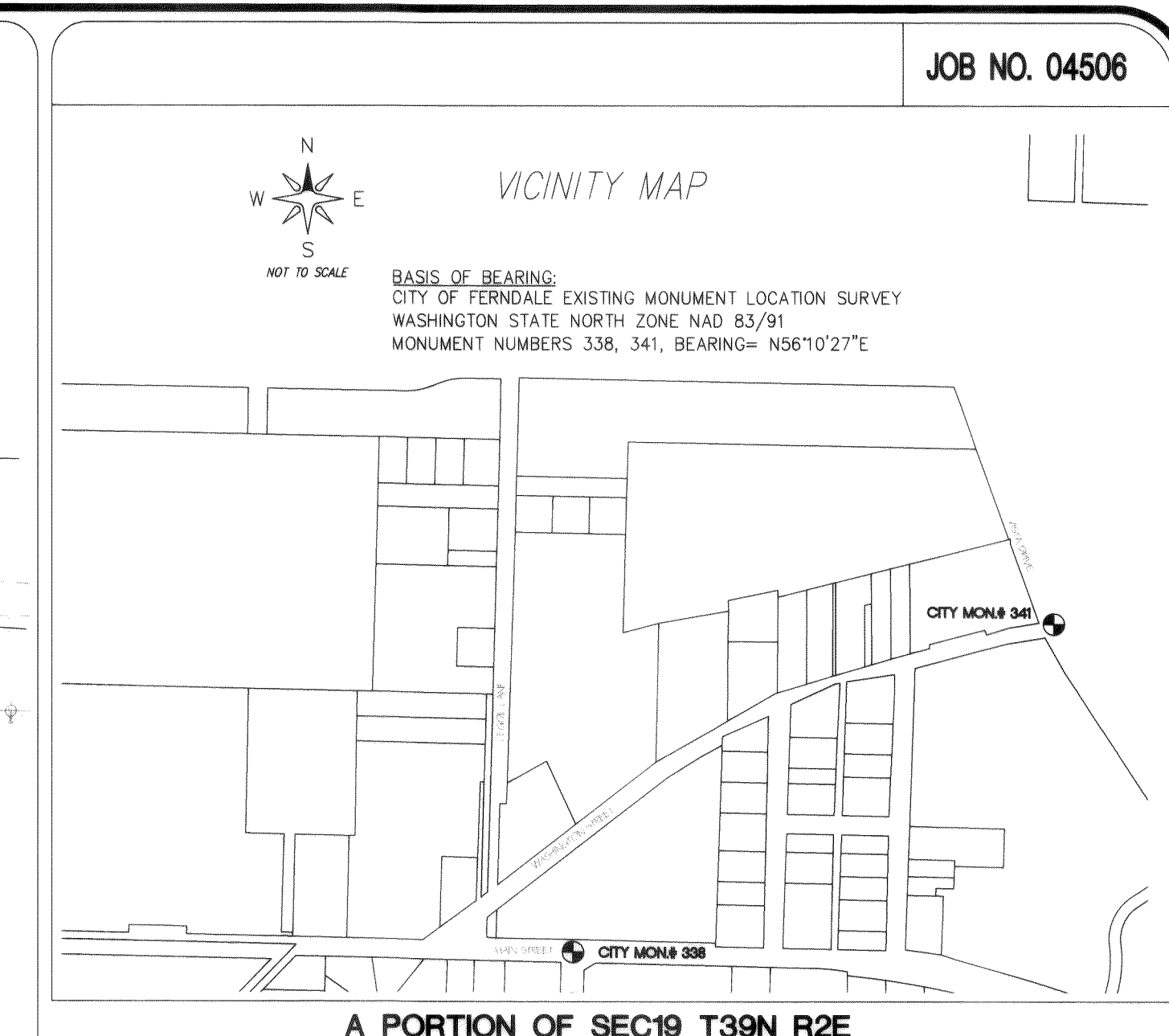
APPROVED
JAN 22 2007
BY [Signature]
CITY OF FERDALE

SHEET

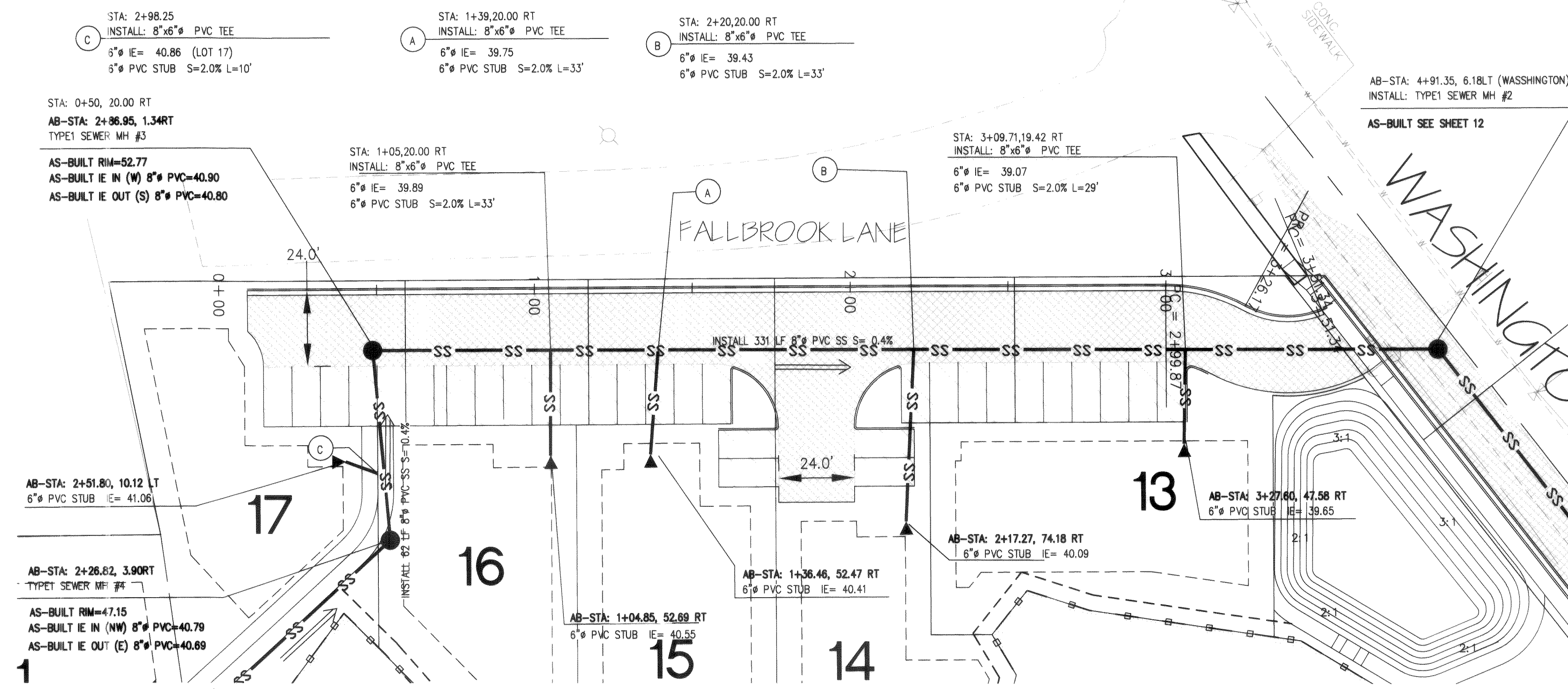
12

OF 24

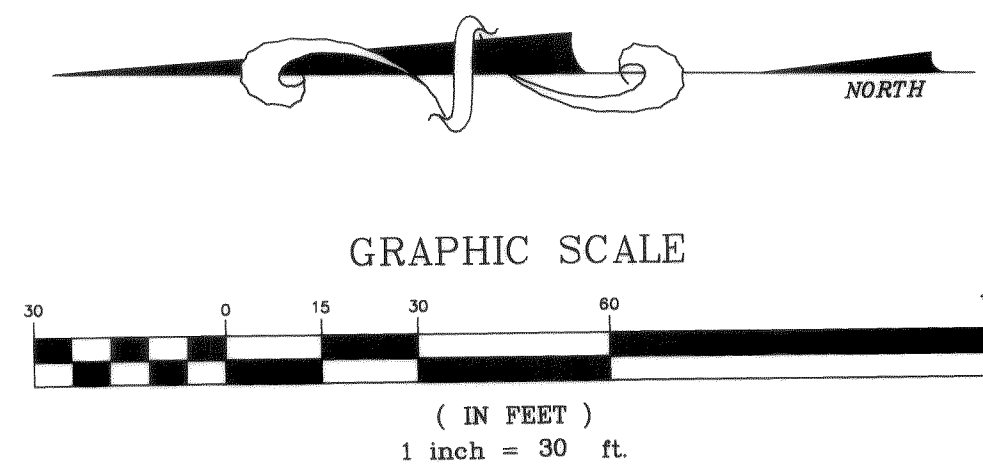
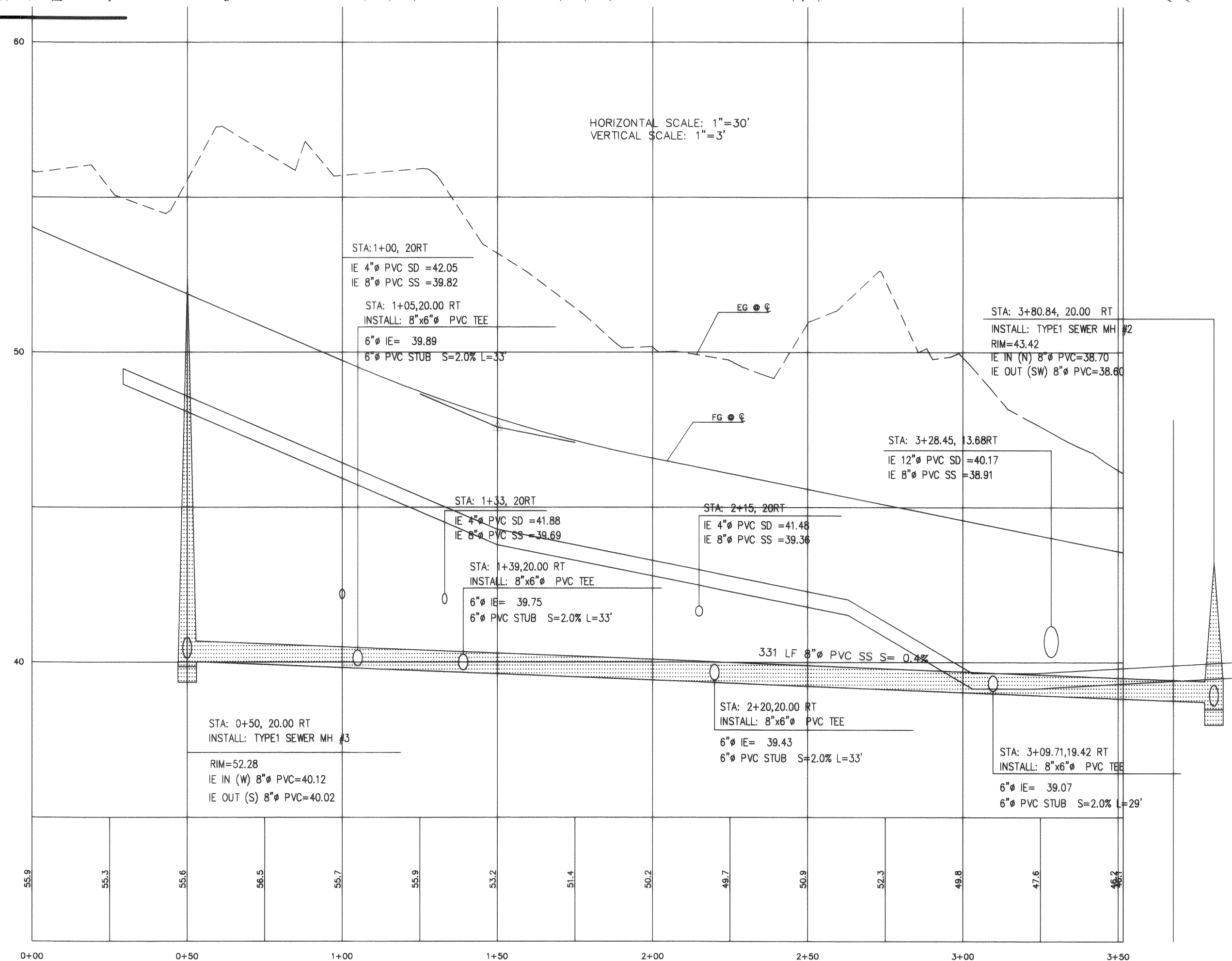
00010.012 1-28-08



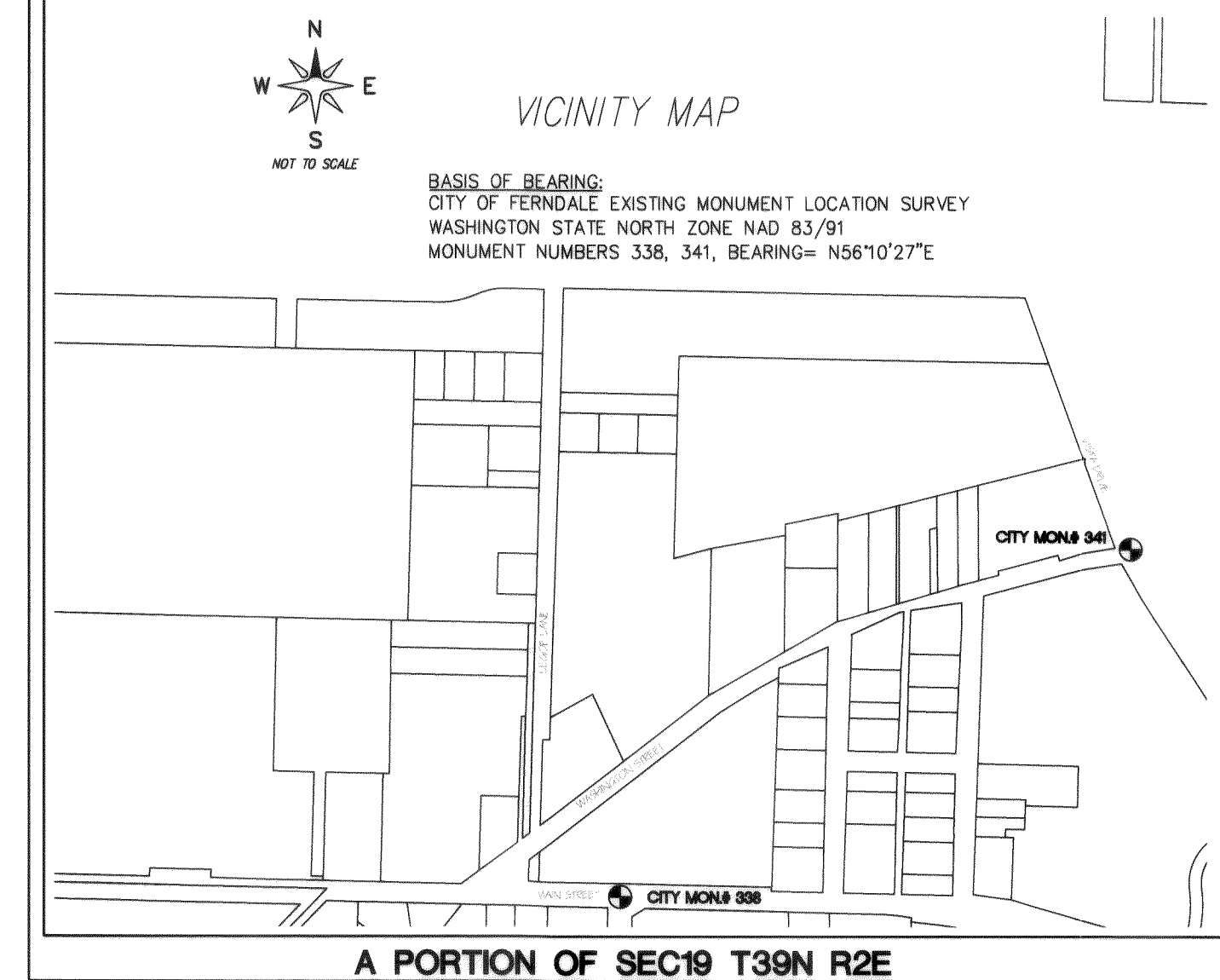
[illegible]



SEE SHEET 14



NOTE:
1. STORM AND SANITARY SEWERS WITHIN THE PLAT SHALL BE OWNED,
MAINTAINED AND OPERATED BY HOME OWNERS ASSOCIATION.



DRAWN BY SR DATE 03/15/05

CHECKED BY DATE

WOODSIDE VILLAS LONG PLAT

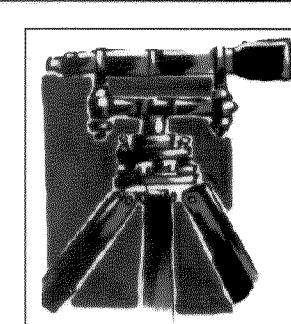
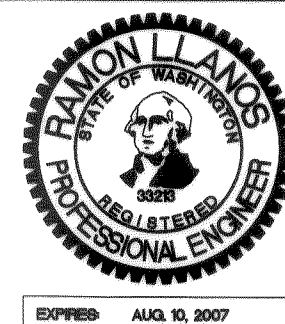
JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDAL DEPARTMENT OF PUBLIC WORKS."

DATE 6/27/06
Ramon Llanos, PE



LDES, INC.
1350 SLATER RD. SUITE 9
FERNDAL, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

AS-BUILT PLANS
FALLBROOK LANE
SEWER PLAN AND PROFILE

APPROVED

JAN 22 2007

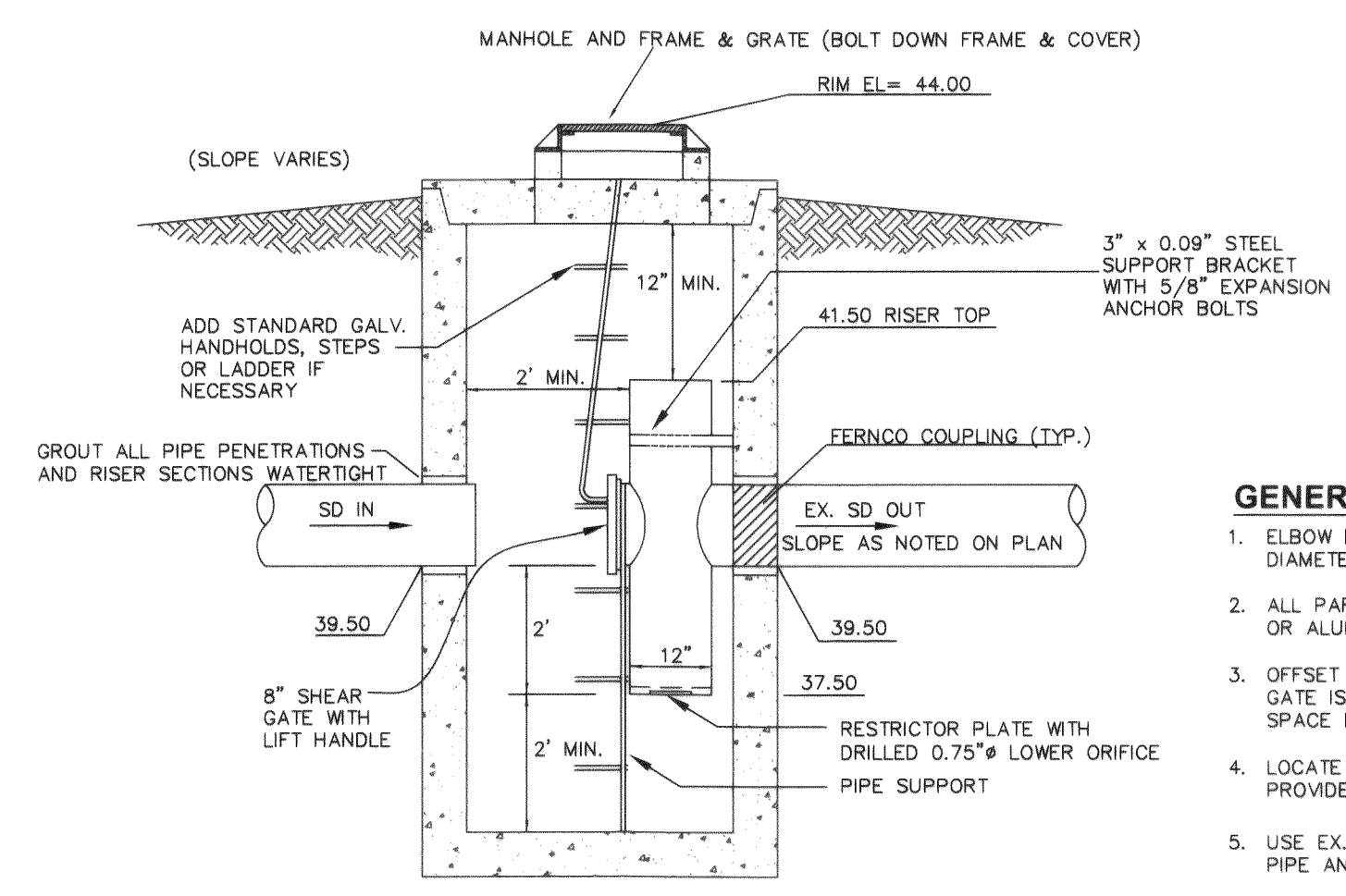
BY
CITY OF FERNDAL

SHEET

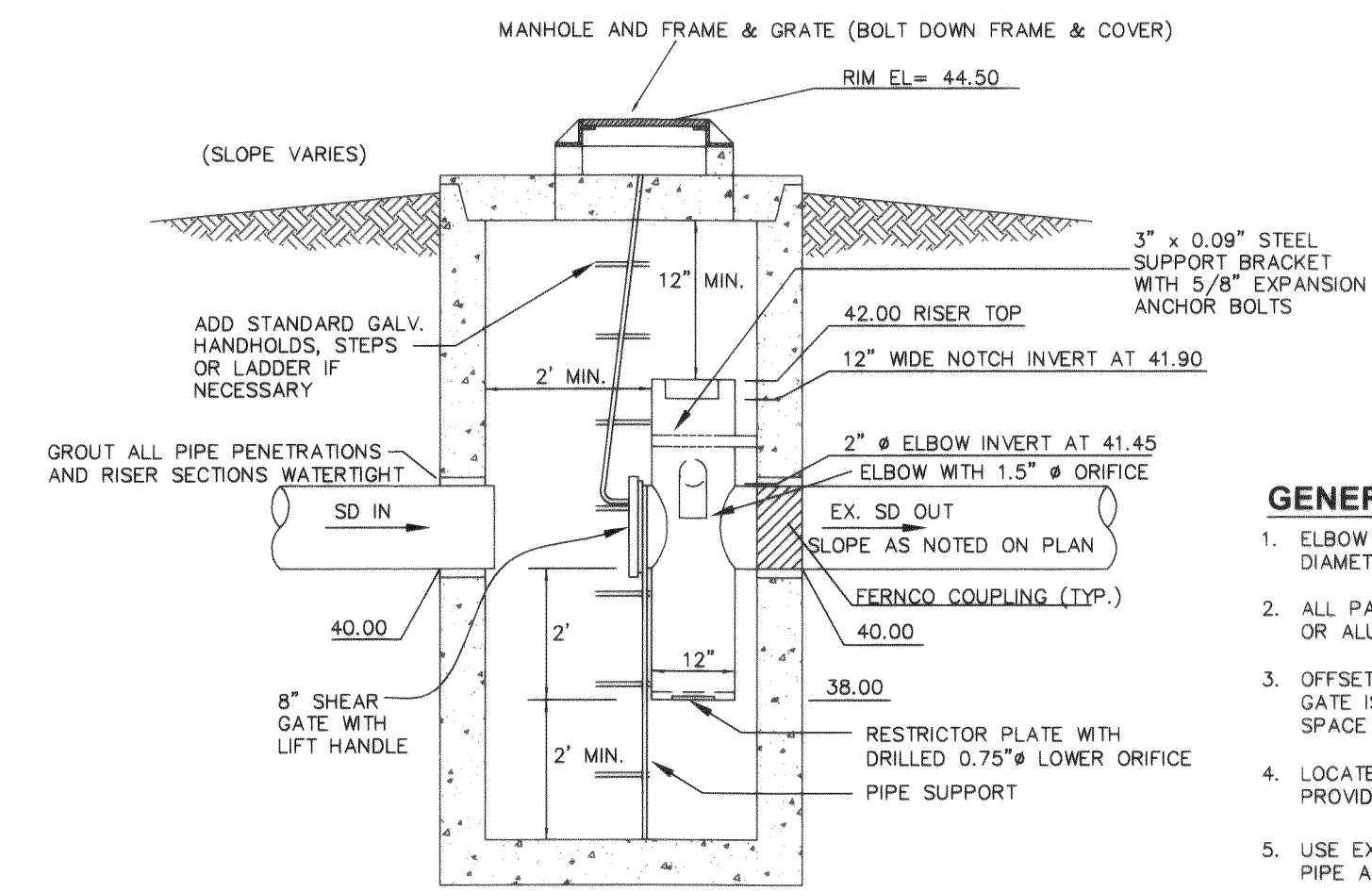
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OF 24

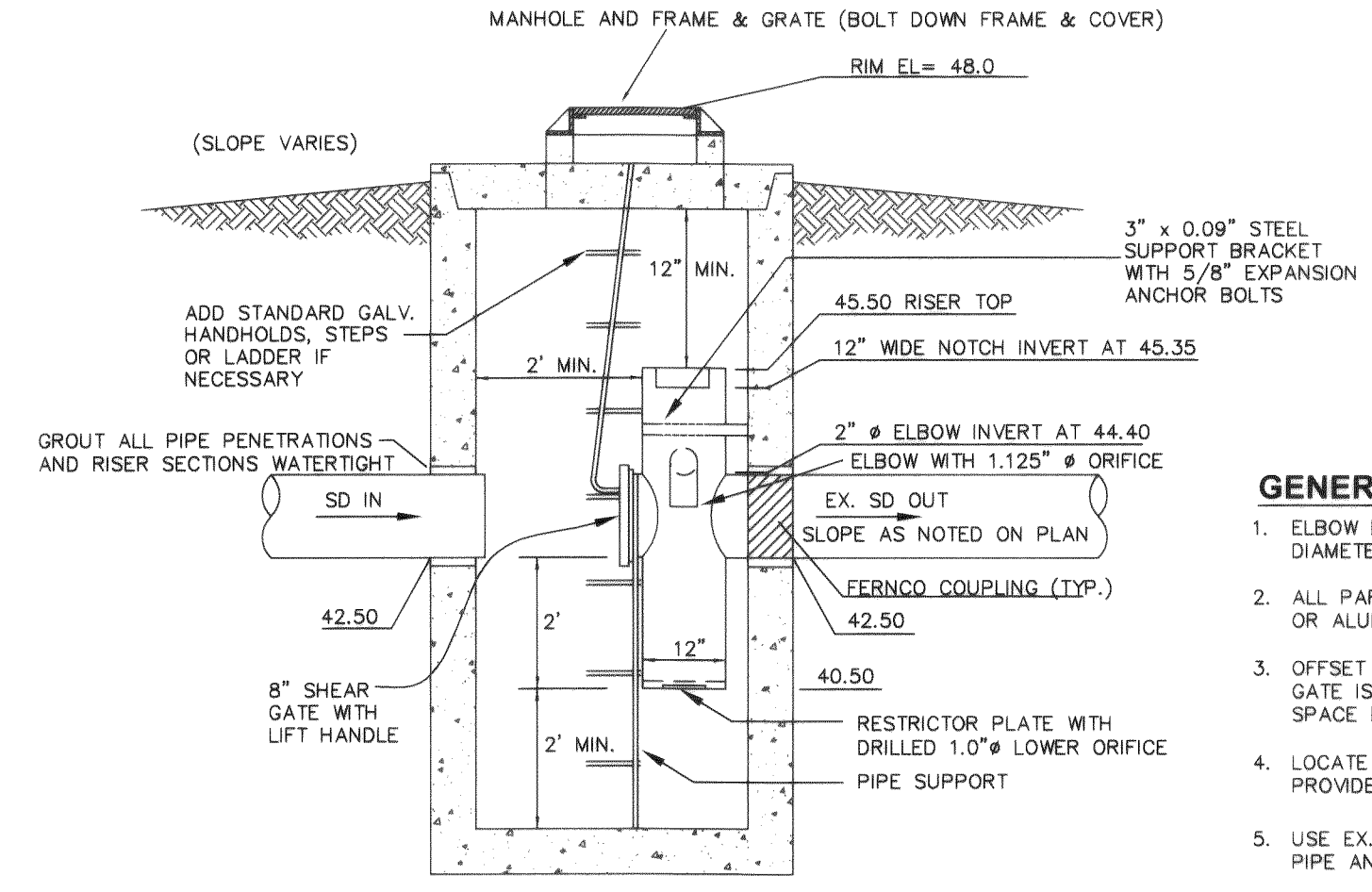
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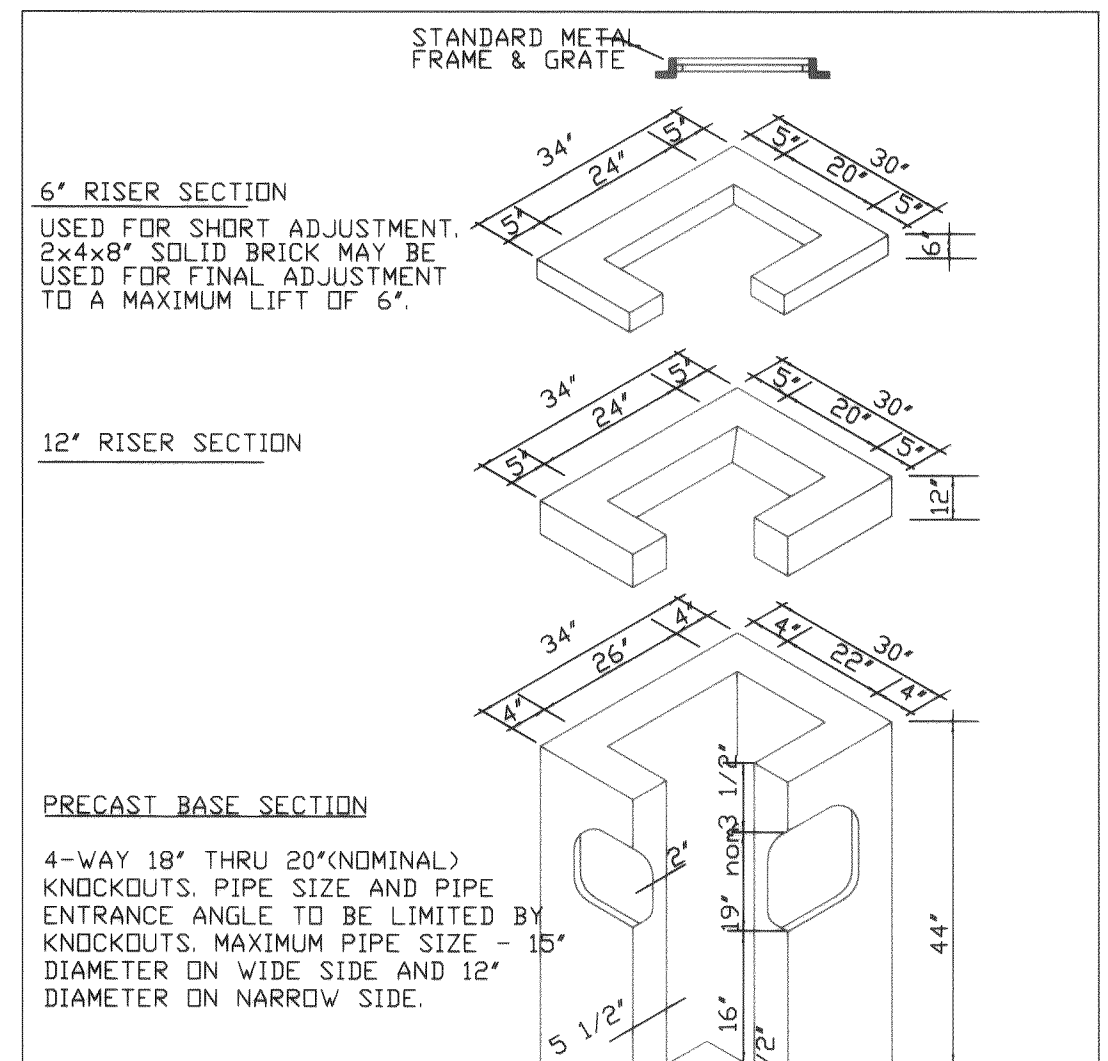
CONTROL STRUCTURE #1
NOT TO SCALE



CONTROL STRUCTURE #2
NOT TO SCALE



CONTROL STRUCTURE #3
NOT TO SCALE



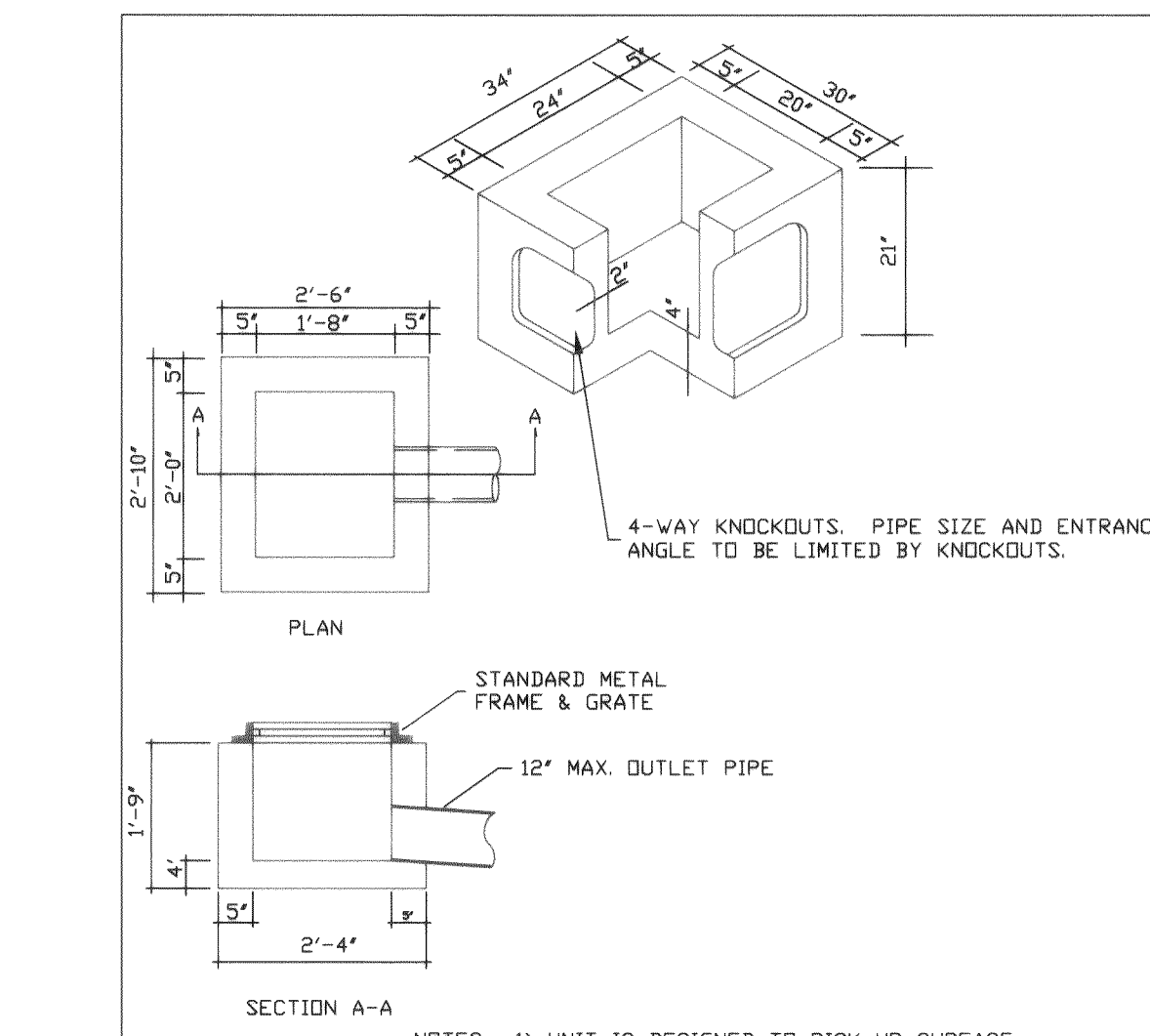
NOTES:

1) CAST IN PLACE OR MASONRY CONSTRUCTION UNITS MAY BE SUBSTITUTED AS PER A.P.W.A. STANDARDS OR STATE STANDARDS. (B-1)

2) FOR DETAILS OF REINFORCEMENTS AND INSTALLATION, SEE A.P.W.A. STANDARDS OR STATE STANDARDS.

APPROVED	CITY OF FERNDALE	DRAWING
Public Works Director Date	CATCH BASIN TYPE 1	ST-1
JUNE 1995		

ST-1 CATCH BASIN TYPE 1
NOT TO SCALE



NOTES:

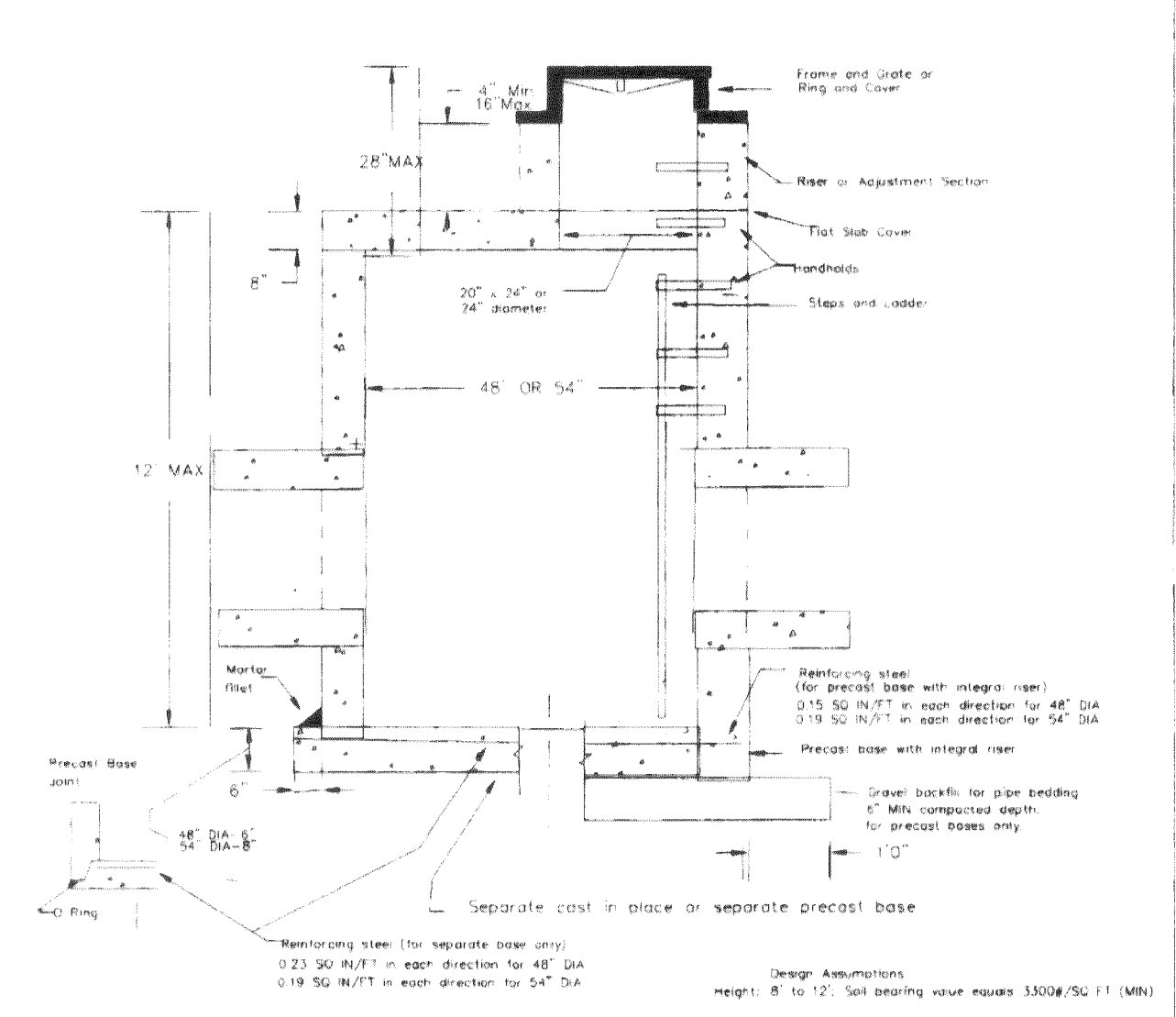
1) UNIT IS DESIGNED TO PICK UP SURFACE DRAINAGE A SHORT DISTANCE FROM CATCH BASIN.

2) CAST IN PLACE OR MASONRY CONSTRUCTION UNITS MAY BE SUBSTITUTED AS PER APWA STANDARDS OR STATE STANDARDS.

3) FOR DETAILS OF REINFORCEMENT OR INSTALLATION SEE APWA STANDARDS OR STATE STANDARDS.

APPROVED	CITY OF FERNDALE	DRAWING
Public Works Director Date	INLET DETAIL	ST-7
JUNE 1995		

ST-7--INLET DETAIL
NOT TO SCALE



NOTES:

Catch basins to be constructed in accordance with ASTM C 478 (AASHTO M 199) C 890 unless otherwise shown on plans or noted in the standard specifications.

Handholds in riser or adjustment section shall have 3\"/>

APPROVED

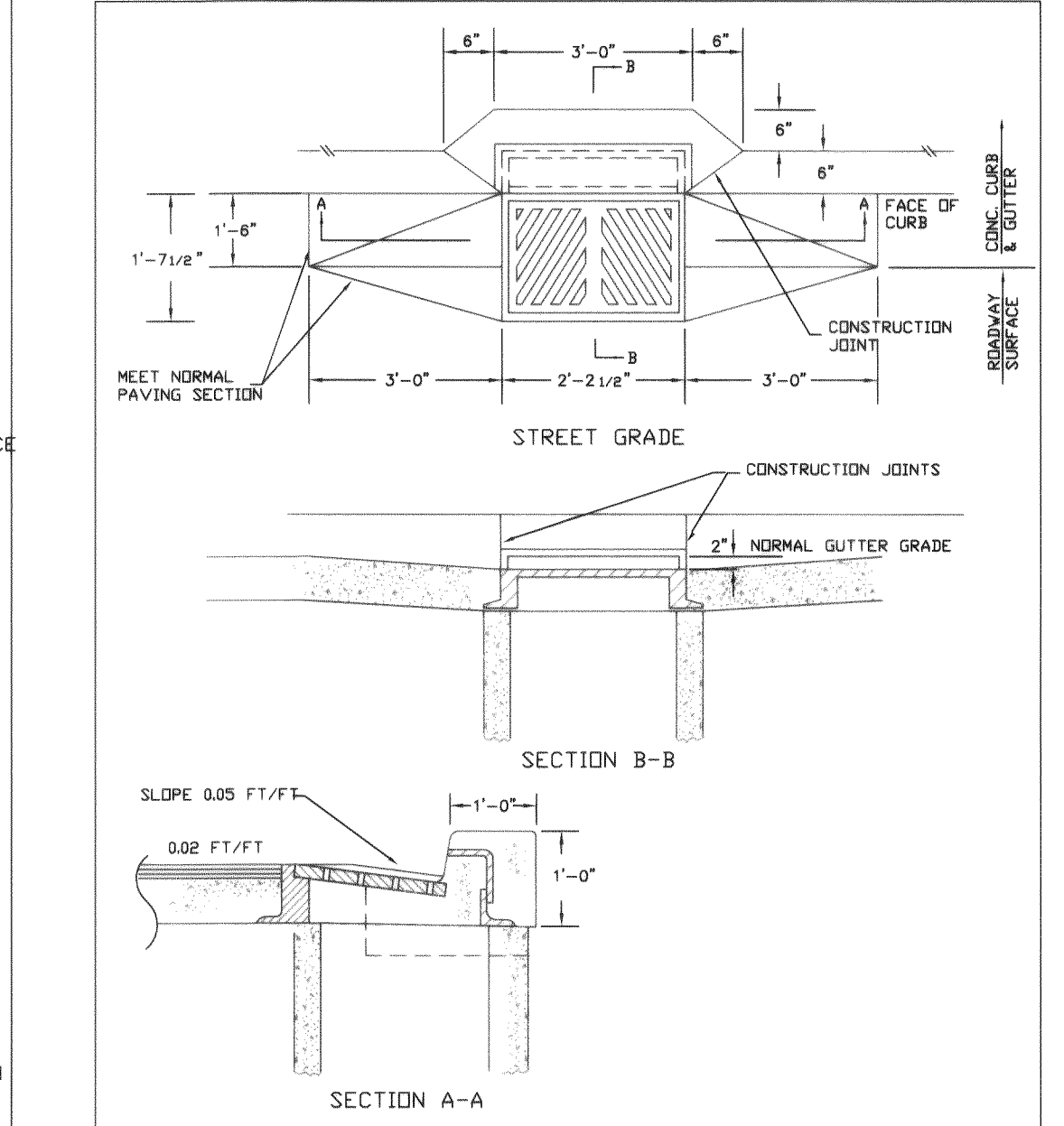
Public Works Director Date

CITY OF FERNDALE

TYPE 2 CATCH BASIN

48\"/>

ST-2 CATCH BASIN TYPE 2
NOT TO SCALE



APPROVED

Public Works Director Date

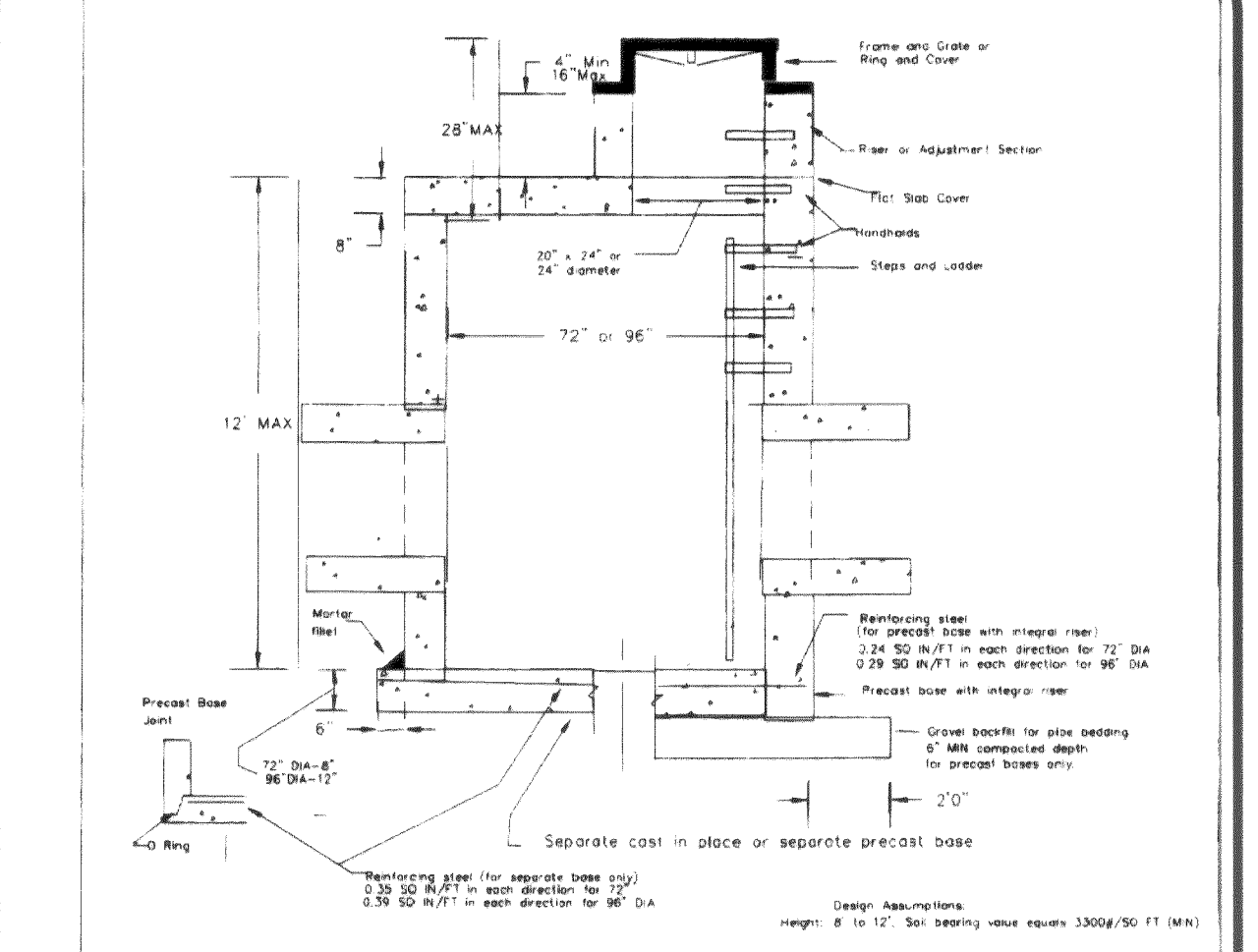
CITY OF FERNDALE

THRU-CURB INLET FRAME & GRATE WITH VERTICAL CURB INSTALLATION

DRAWING

ST-8

ST-8-THRU-CURB INLET FRAME & GRATE
NOT TO SCALE



NOTES:

Catch basins to be constructed in accordance with ASTM C 478 (AASHTO M 199) C 890 unless otherwise shown on plans or noted in the standard specifications.

Handholds in riser or adjustment section shall have 3\"/>

APPROVED

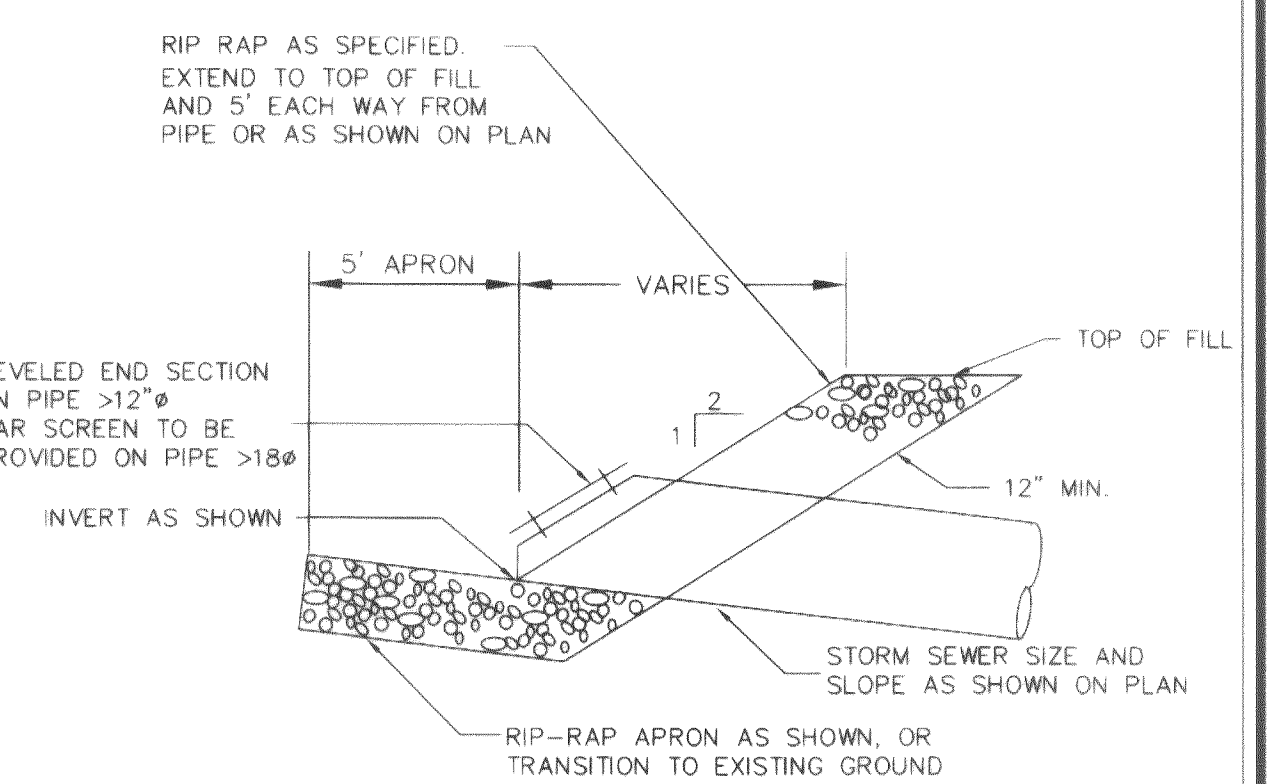
Public Works Director Date

CITY OF FERNDALE

TYPE 2 CATCH BASIN

72\"/>

ST-3--TYPE 2 CATCH BASIN
NOT TO SCALE



APPROVED

Public Works Director Date

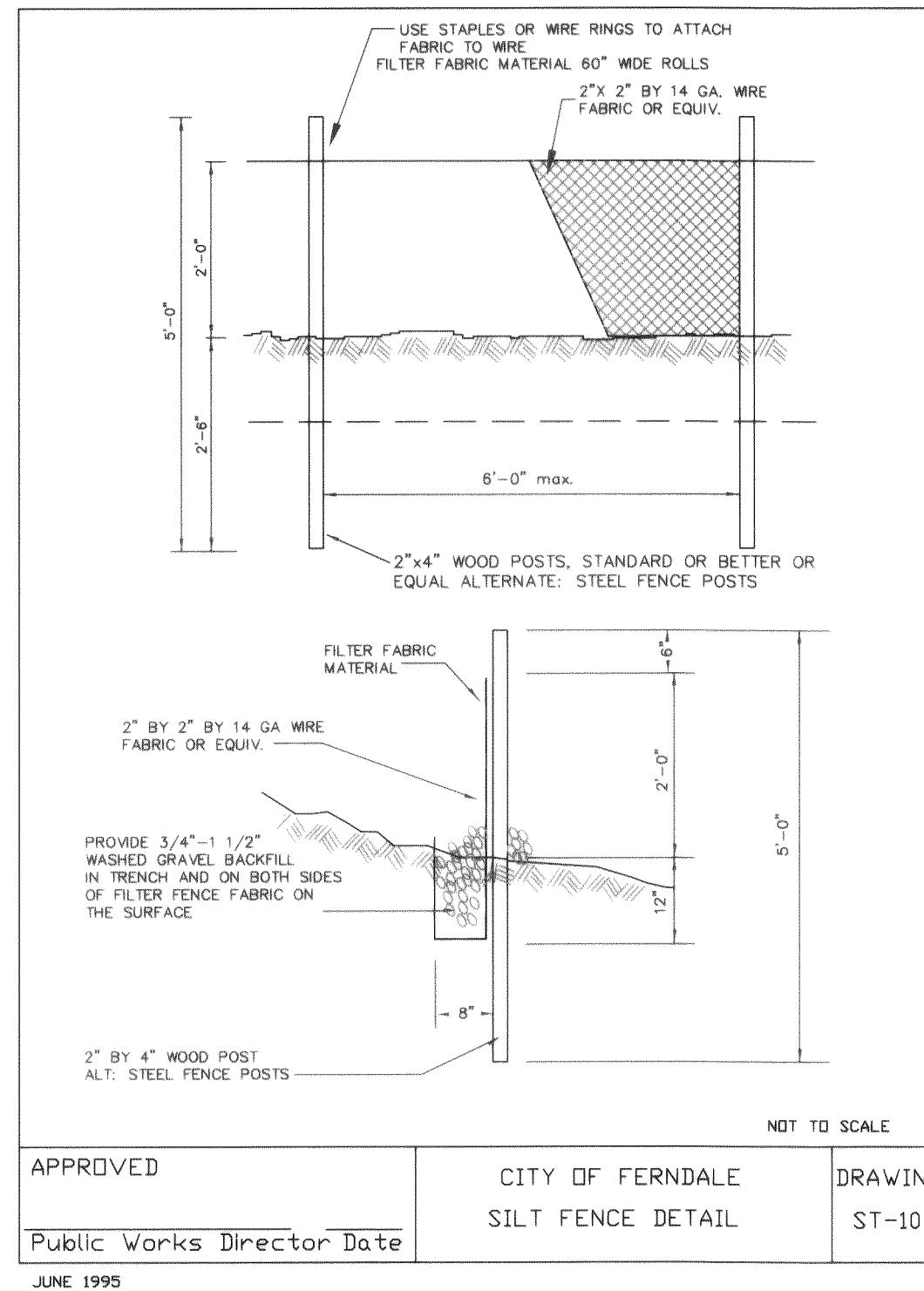
CITY OF FERNDALE

STORM SEWER SIZE AND SLOPE AS SHOWN ON PLAN

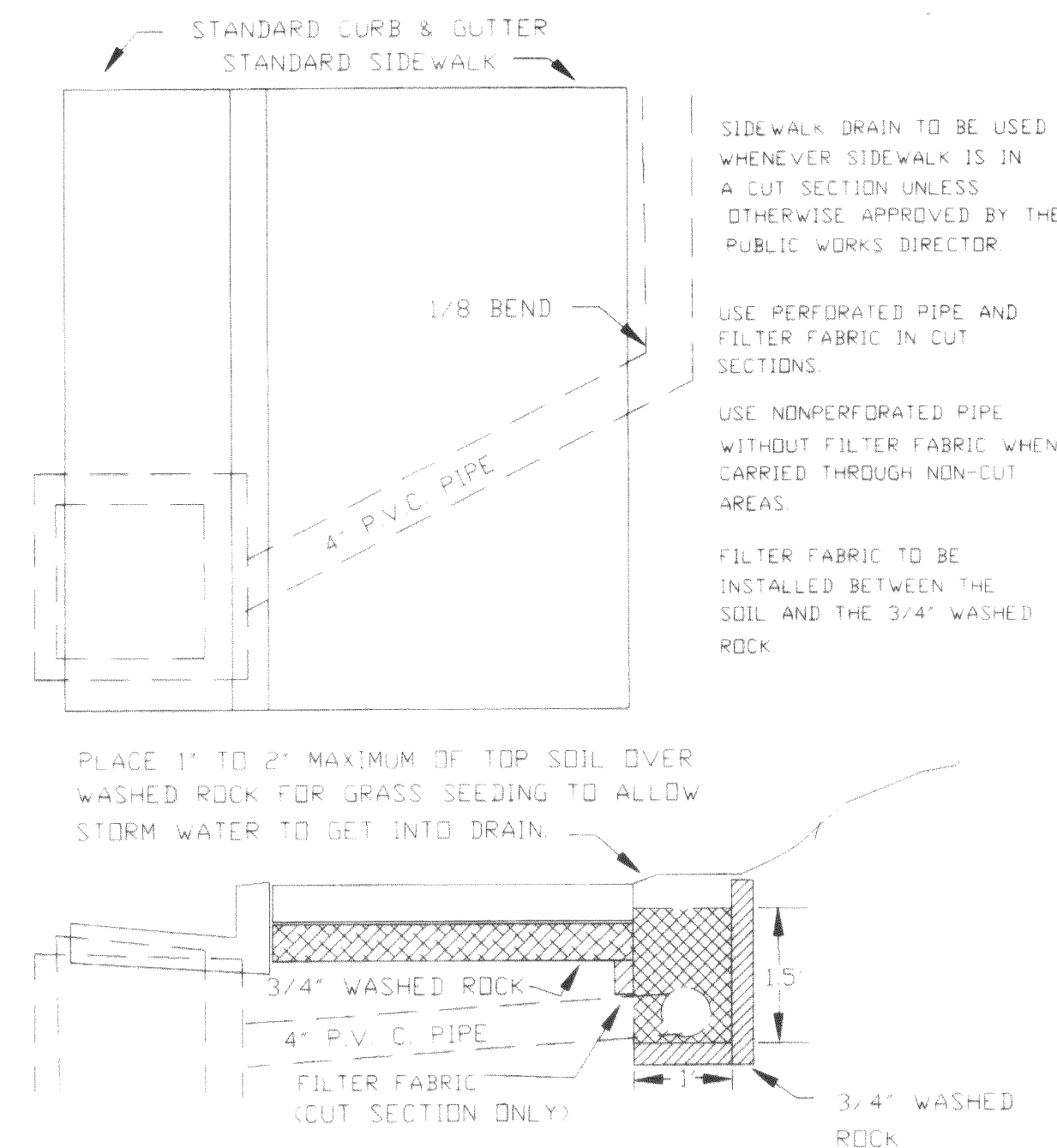
DRAWING

ST-9

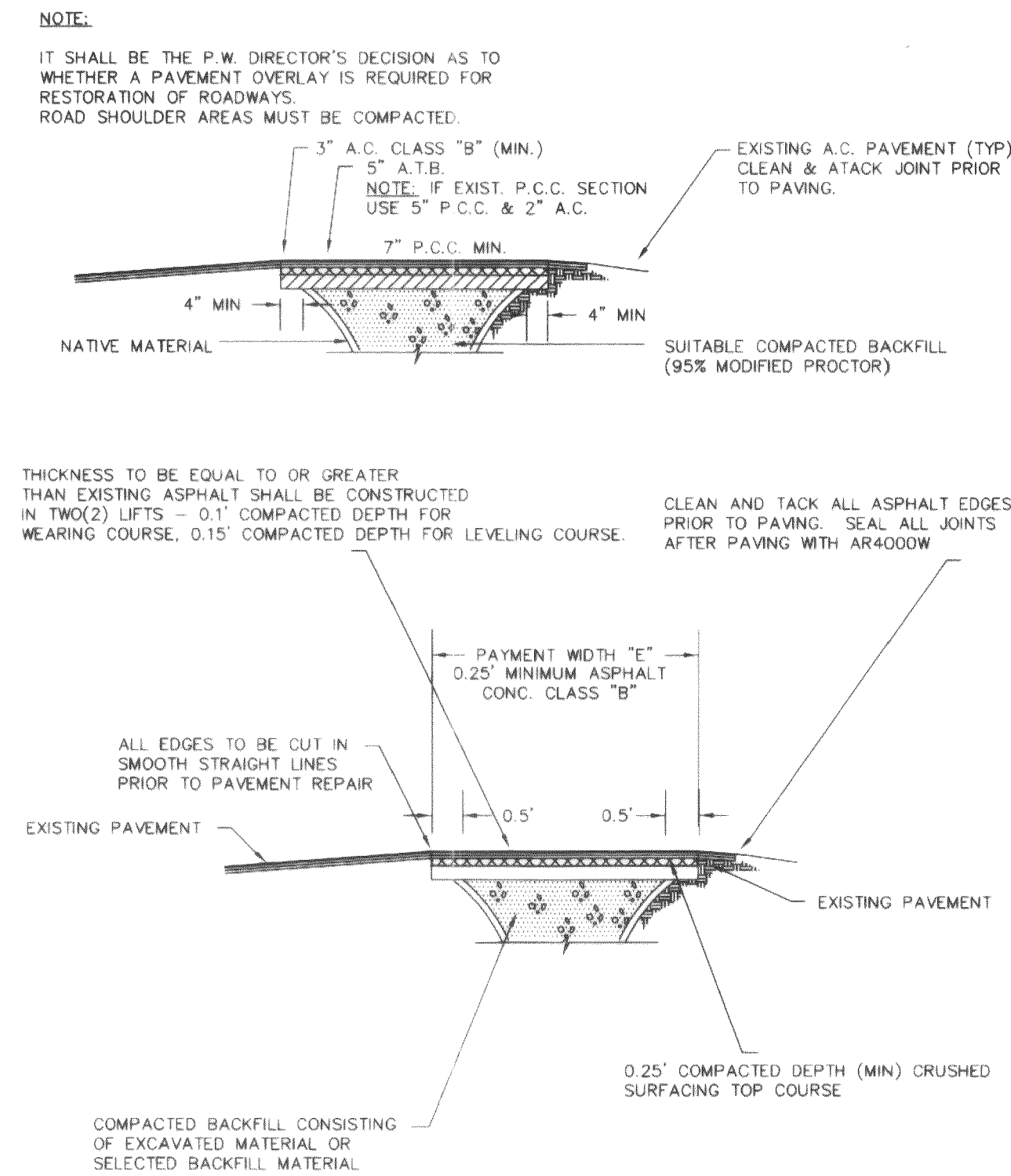
ST-9--CULVERT INLET/OUTLET DETAIL
NOT TO SCALE



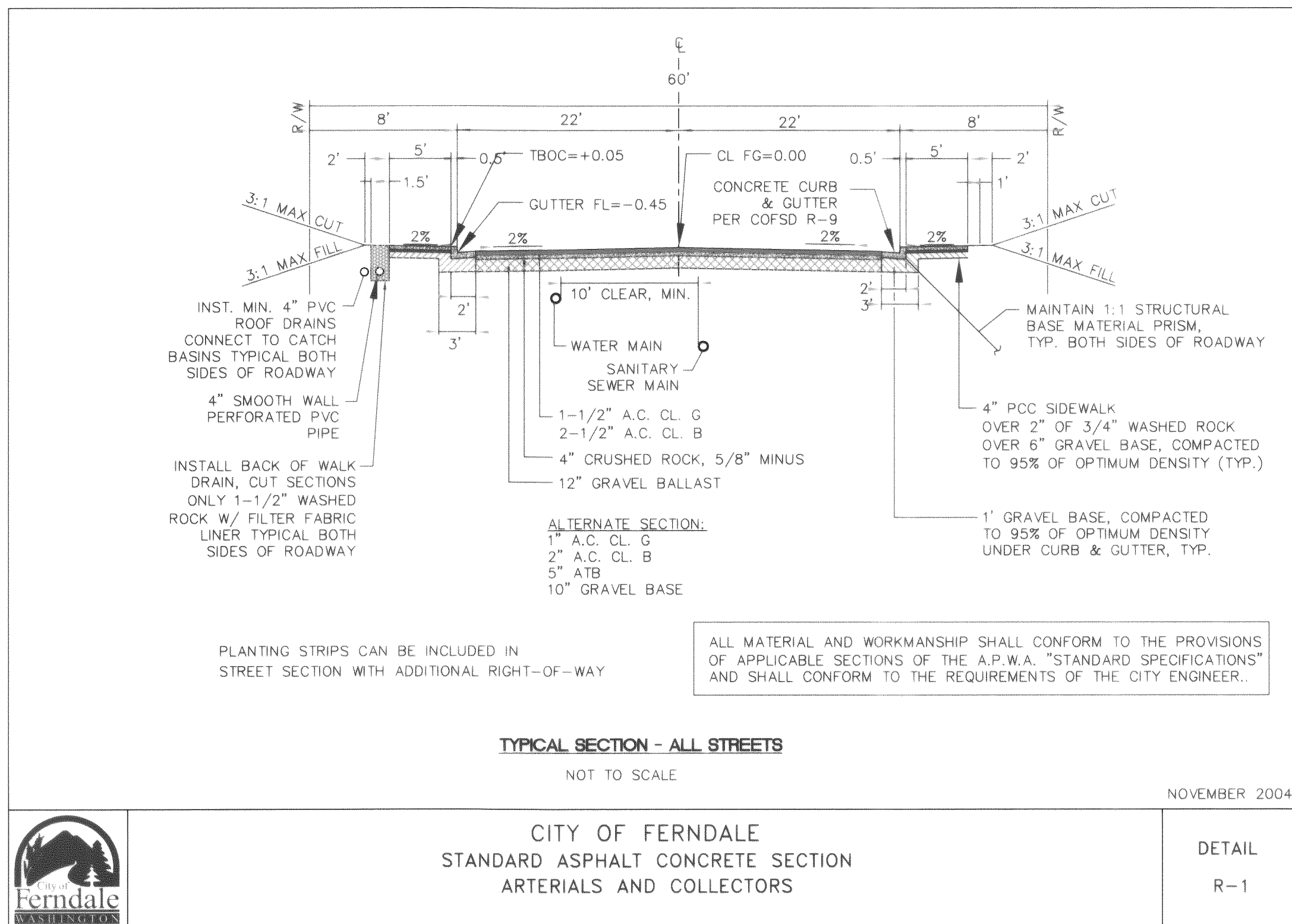
ST-10--SILT FENCE DETAIL
NOT TO SCALE



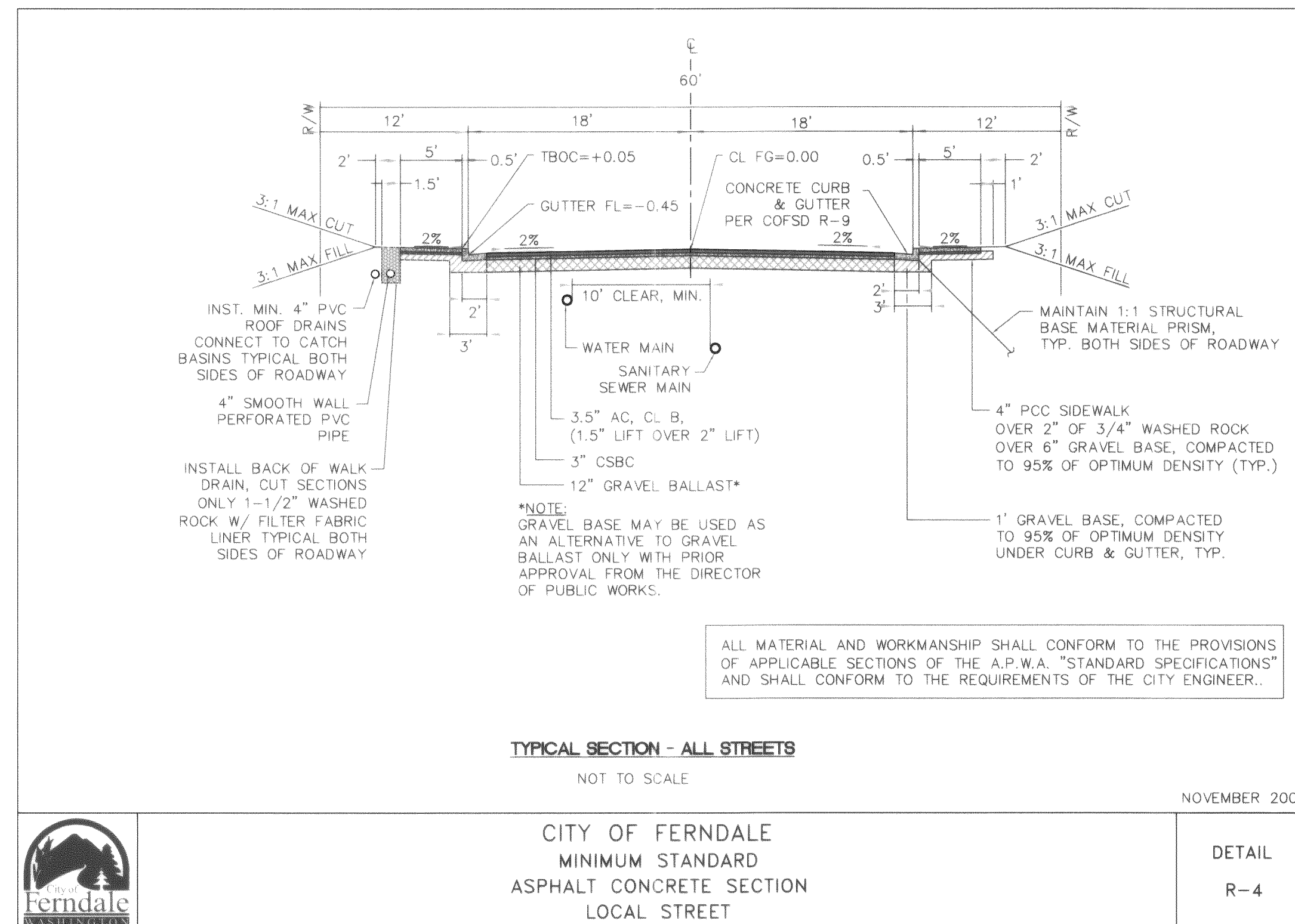
ST-15--SIDEWALK DRAIN
NOT TO SCALE



R-11--EXISTING ROADWAY: RESTORATION REPAIR
NOT TO SCALE



R-1--STND. ASPHALT CONC. SECTION: ARTERIALS & COLLECTORS
NOT TO SCALE



R-4--MIN. STND. ASPHALT CONC. SECTION: LOCAL STREET
NOT TO SCALE

DRAWN BY SR DATE 03/15/05
CHECKED BY DATE

WOODSIDE VILLAS LONG PLAT

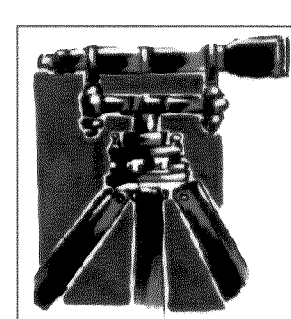
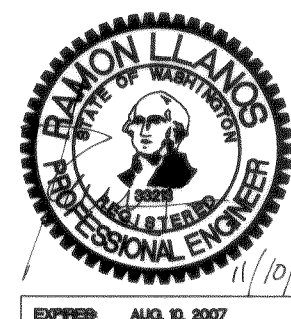
JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDALE DEPARTMENT OF PUBLIC WORKS."

Ramon Llanos 11/10/05
RAMON LLANOS, PE DATE



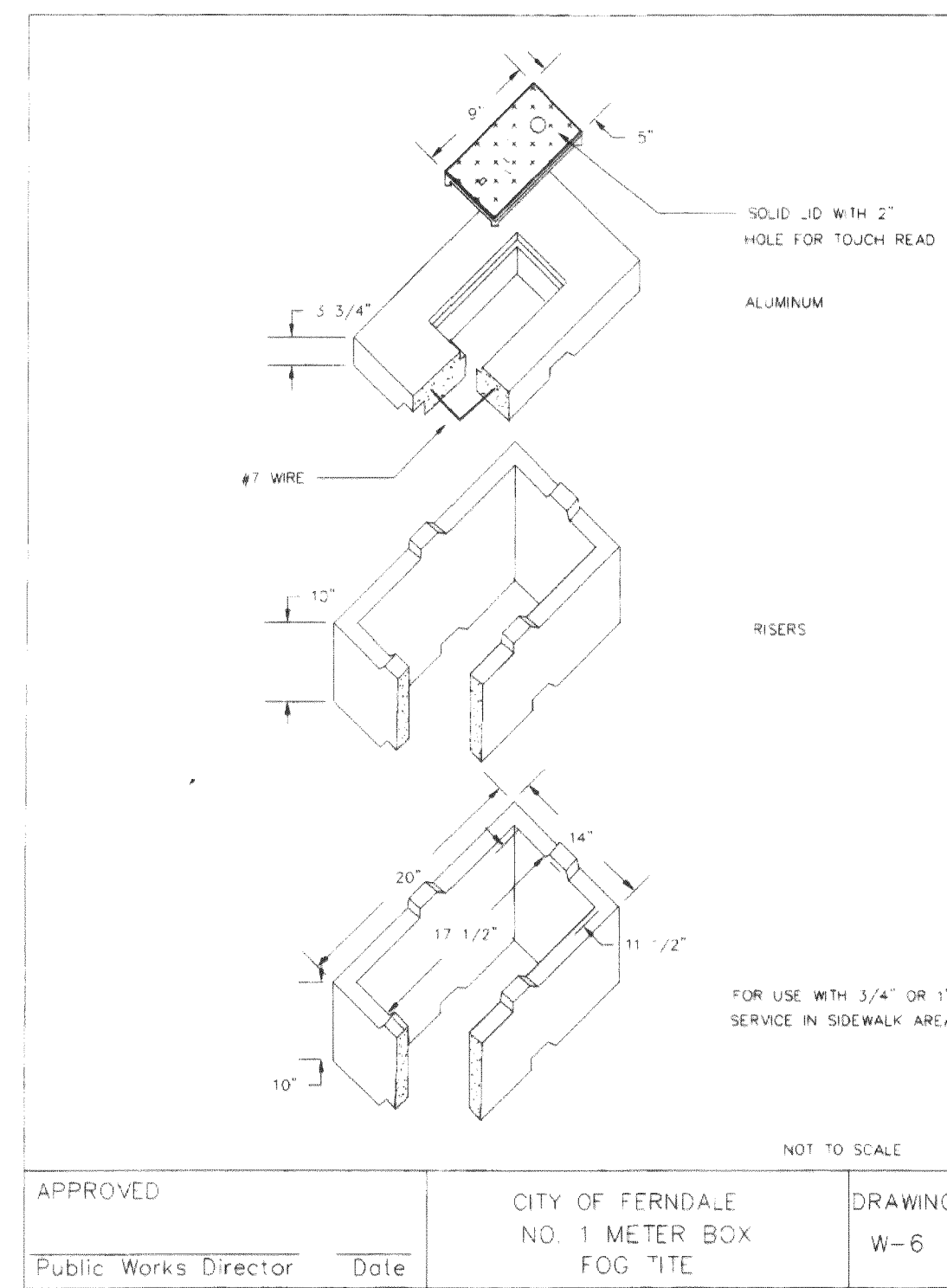
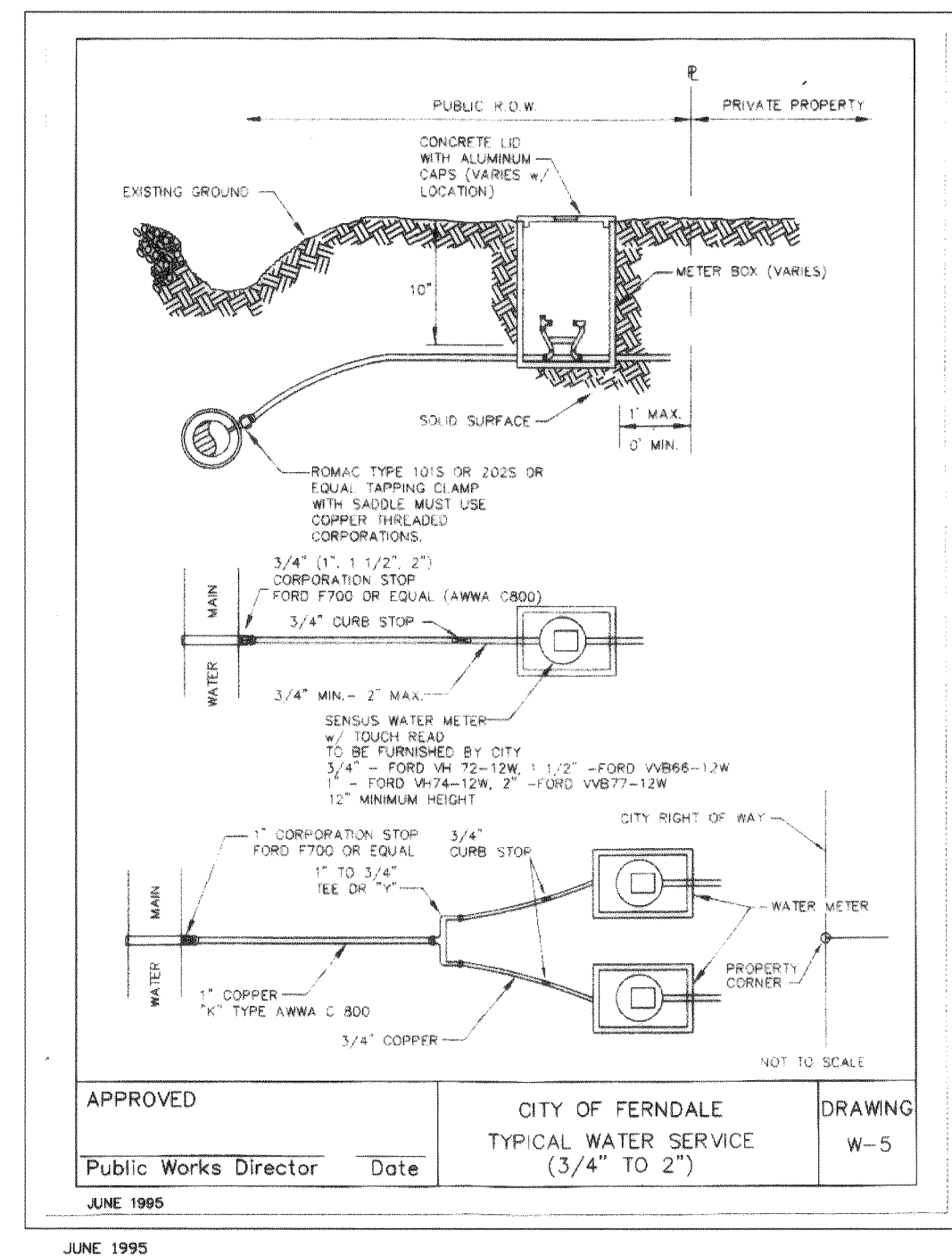
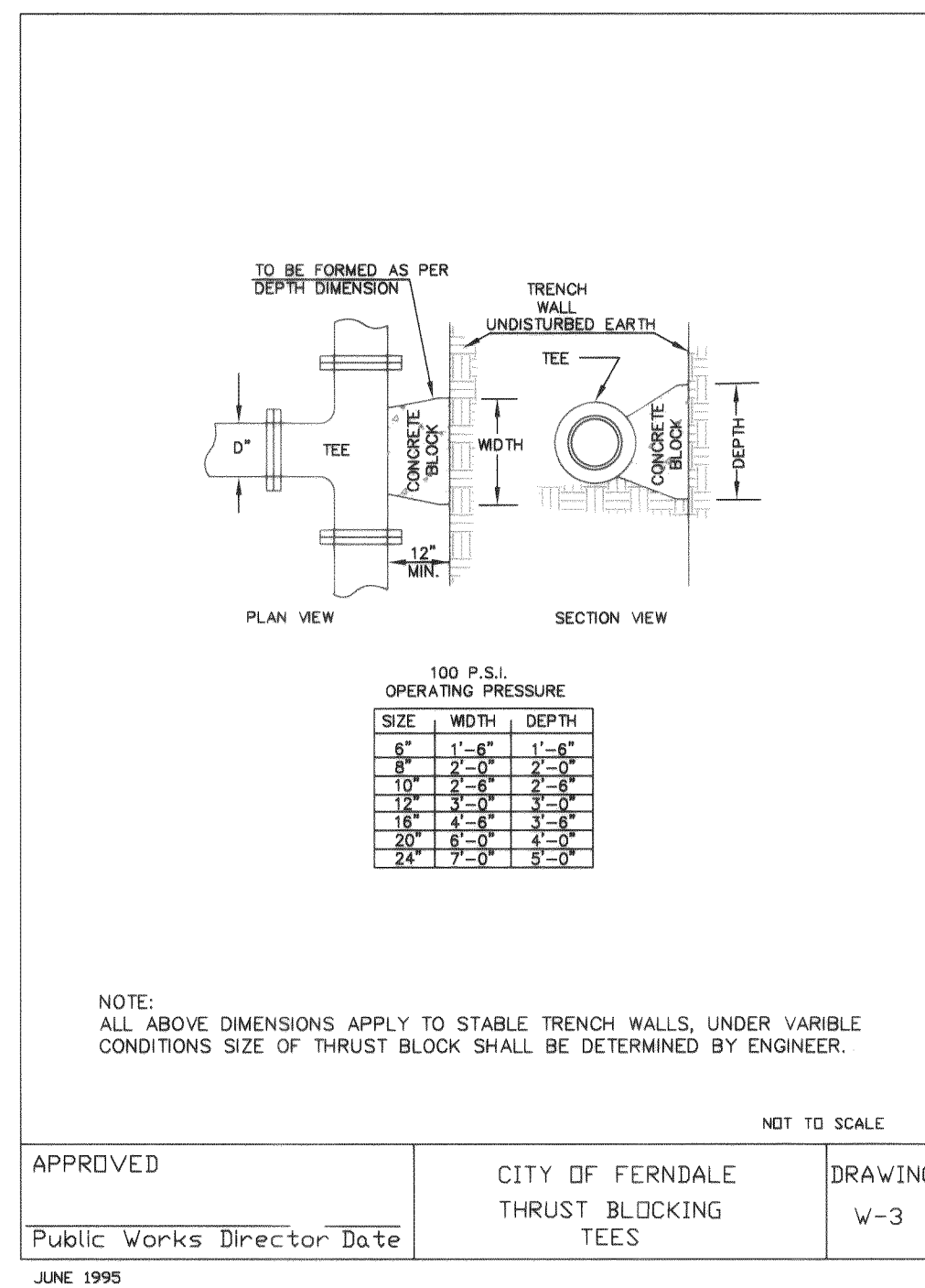
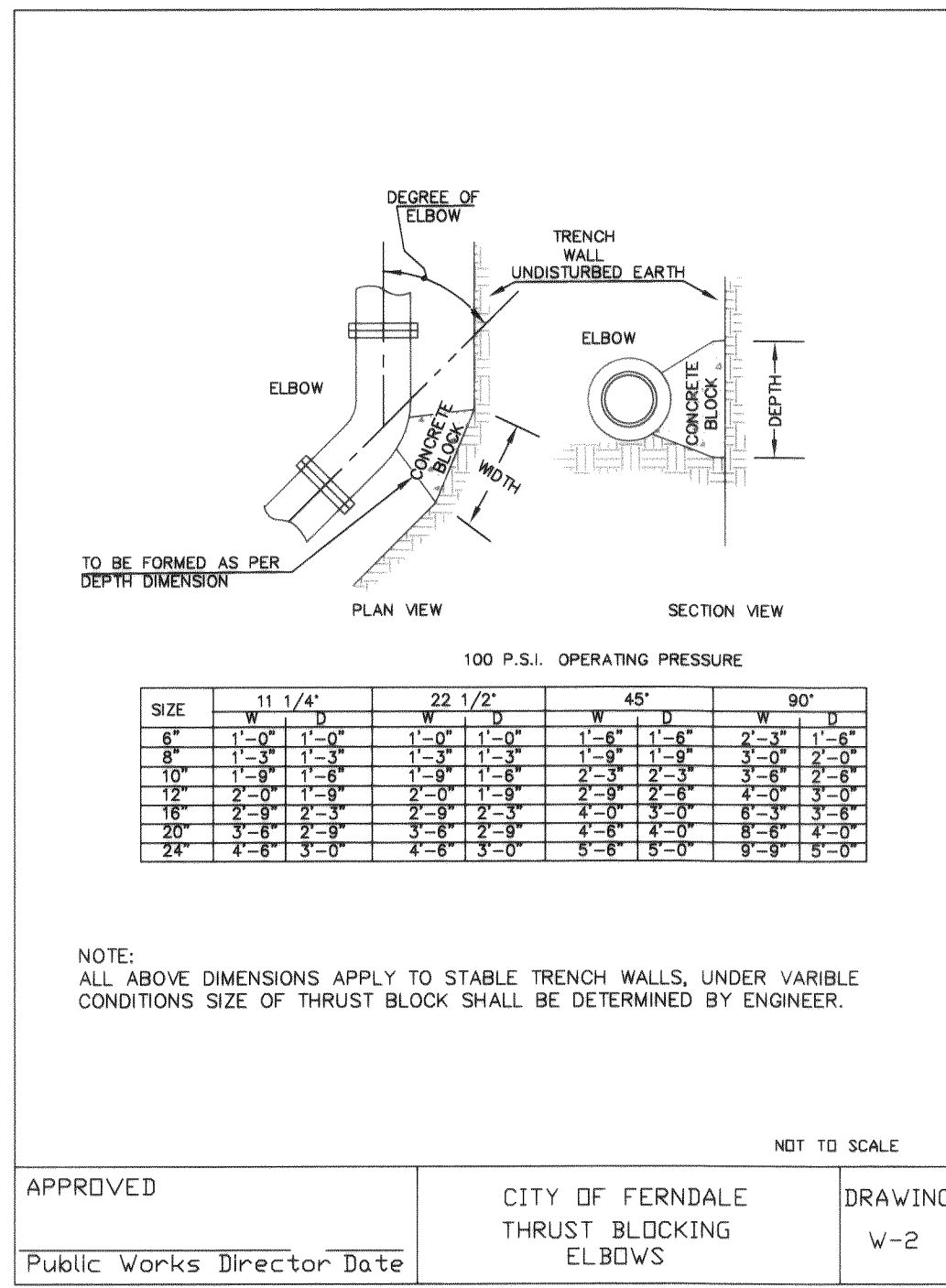
LDES, INC.
1350 SLATER RD. SUITE 9
FERNDAL, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

WOODSIDE VILLAS LONG PLAT
DETAILS

APPROVED
FEB 01 2006
BY *KE*
CITY OF FERNDALE

SHEET
17
OF 24

00310.017 2-21-06 KE

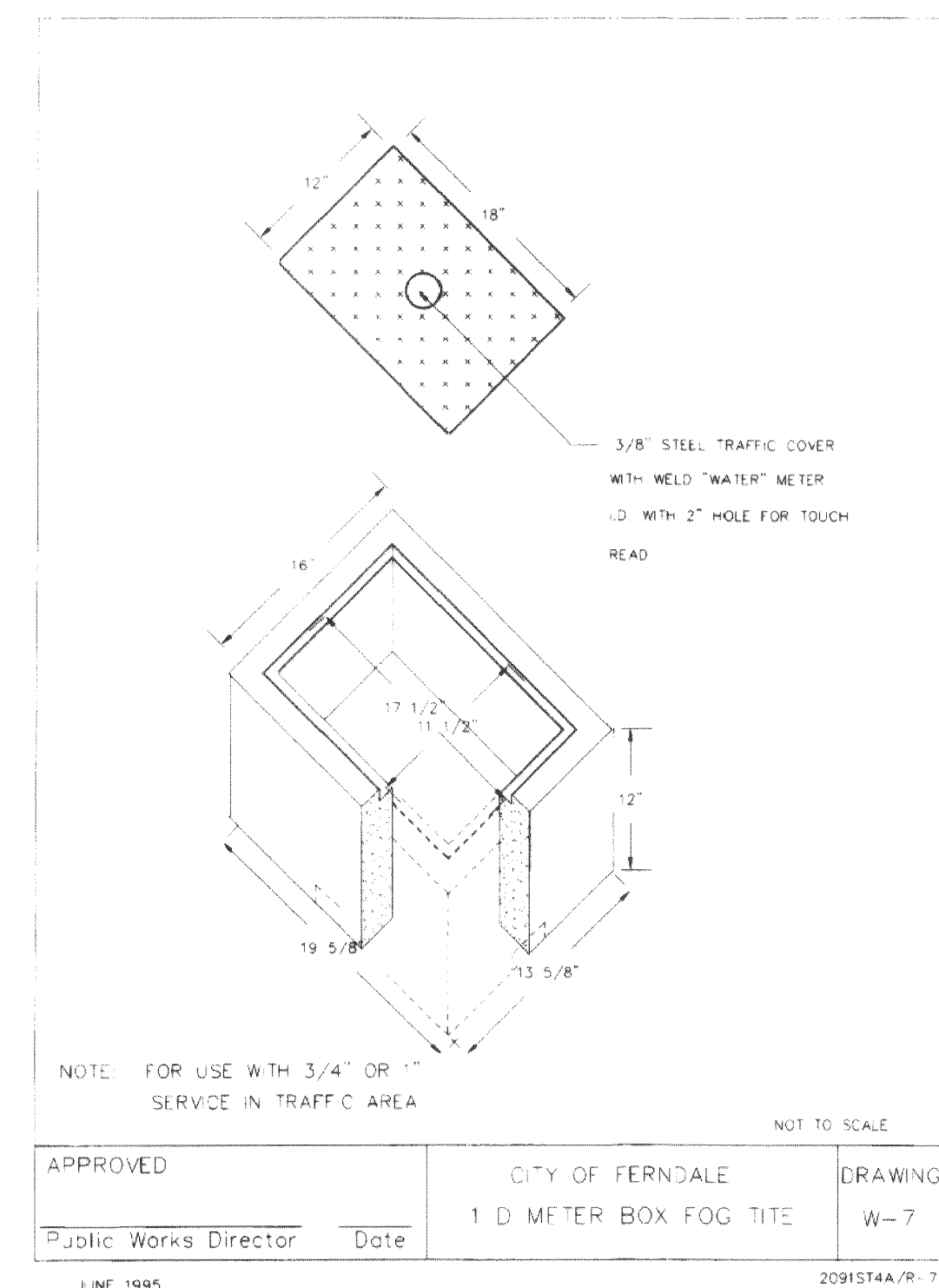


W-2--THRUST BLOCKING (ELBOWS)
NOT TO SCALE

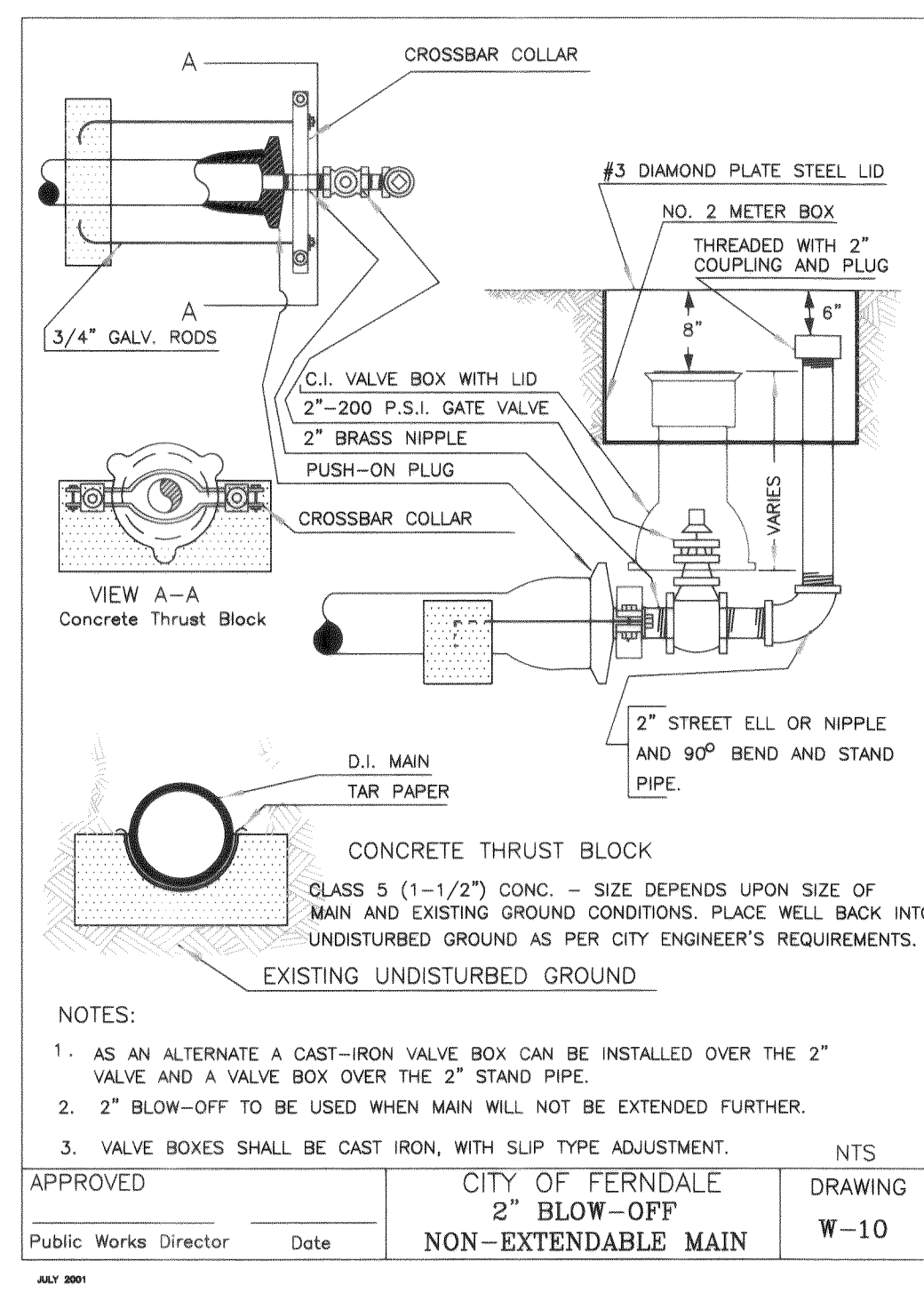
W-3--THRUST BLOCKING (TEES)
NOT TO SCALE

W-5--TYPICAL WATER SERVICE (3/4" TO 2")
NOT TO SCALE

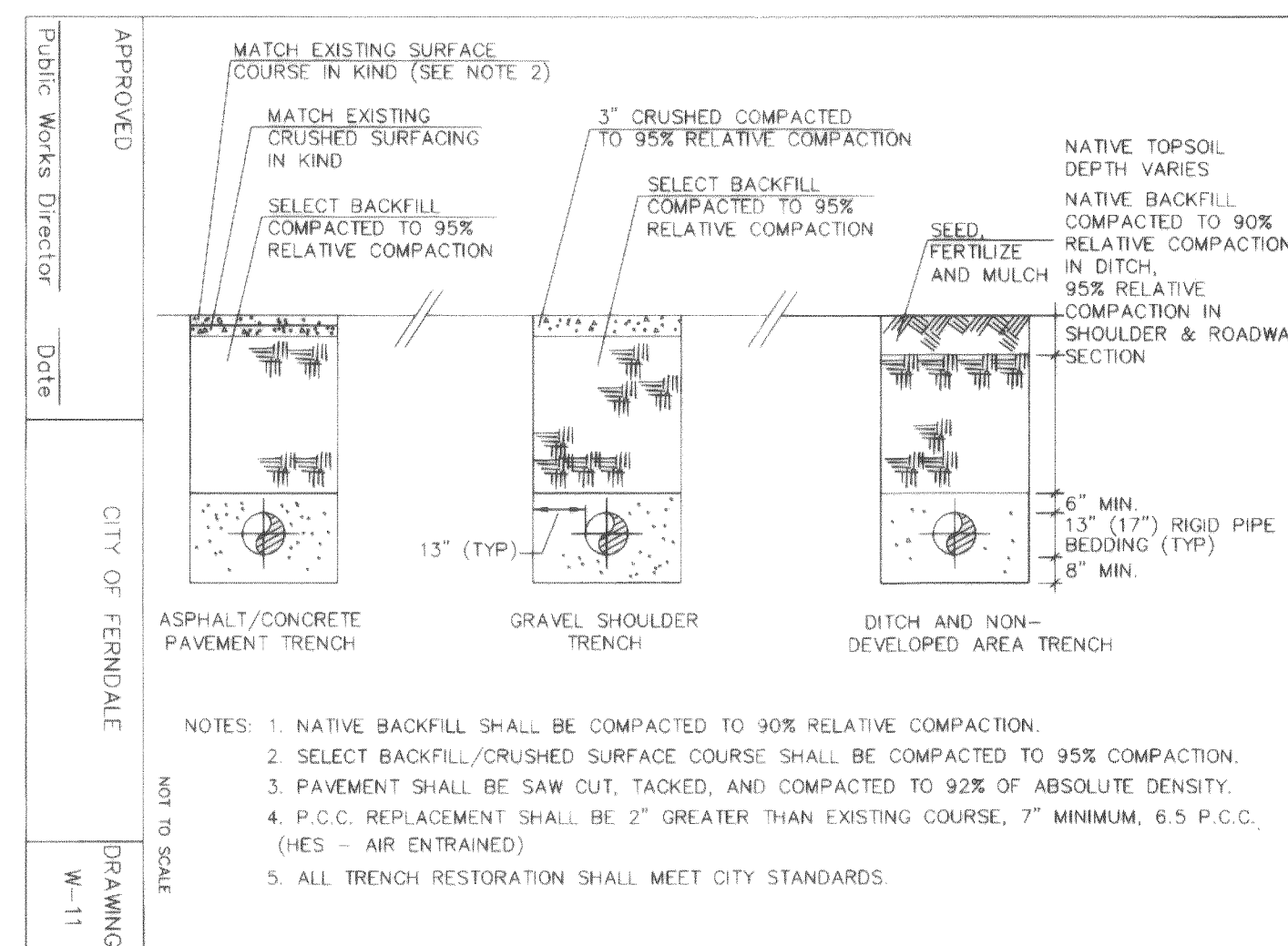
W-6--No. 1 METER BOX
NOT TO SCALE



W-7--1 D METER BOX TITE
NOT TO SCALE



W-10-2" BLOW OFF NON EXTENDABLE MAIN
NOT TO SCALE



W-10
NOT TO SCALE

DRAWN BY SR DATE 03/15/05
CHECKED BY DATE

WOODSIDE VILLAS LONG PLAT

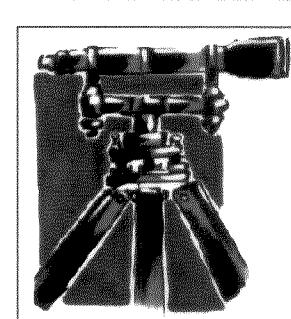
JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERDALE DEPARTMENT OF PUBLIC WORKS.

DATE 4/10/05



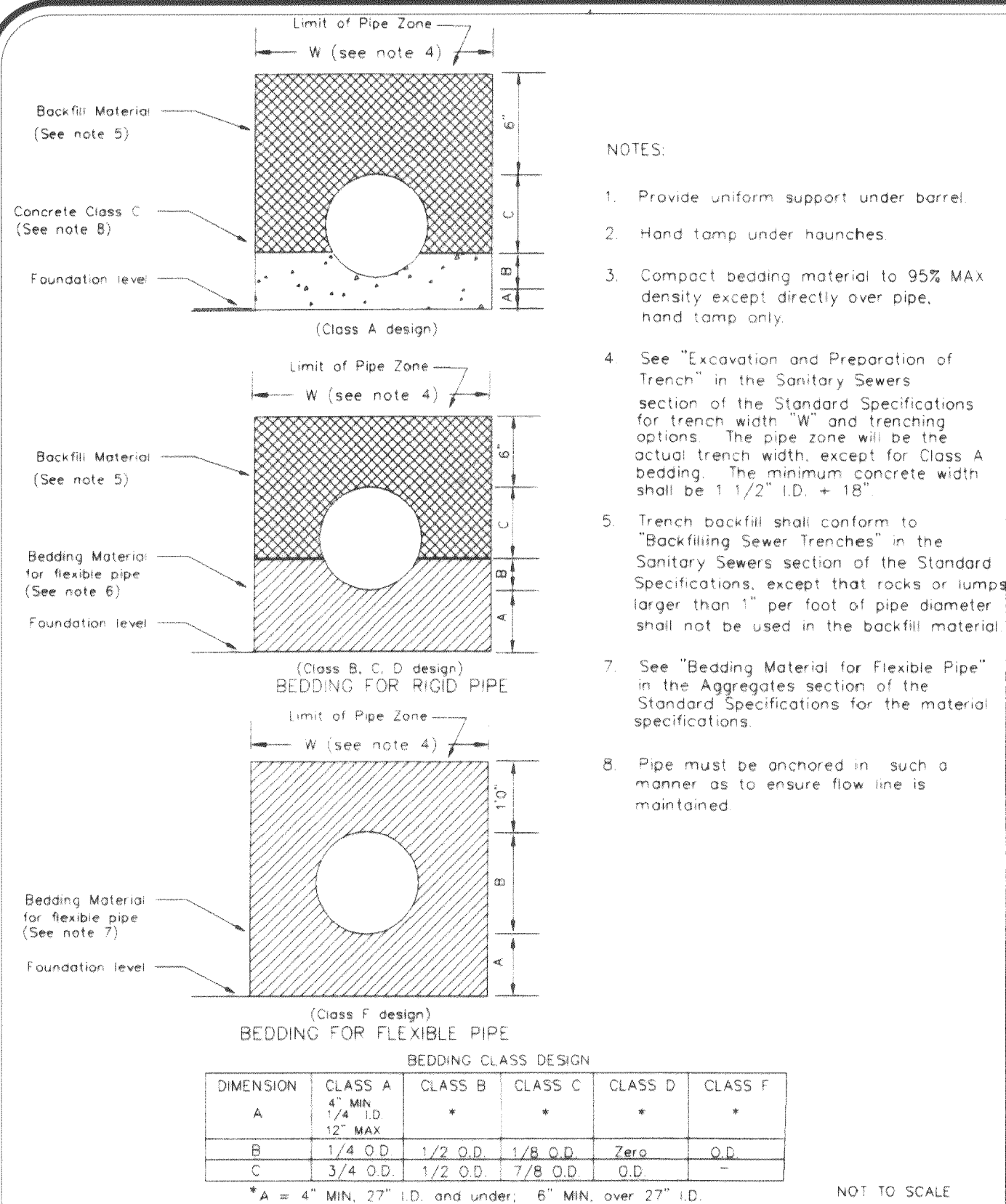
LDES, INC.
1350 SLATER RD. SUITE 9
FERDALE, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

WOODSIDE VILLAS LONG PLAT
DETAILS

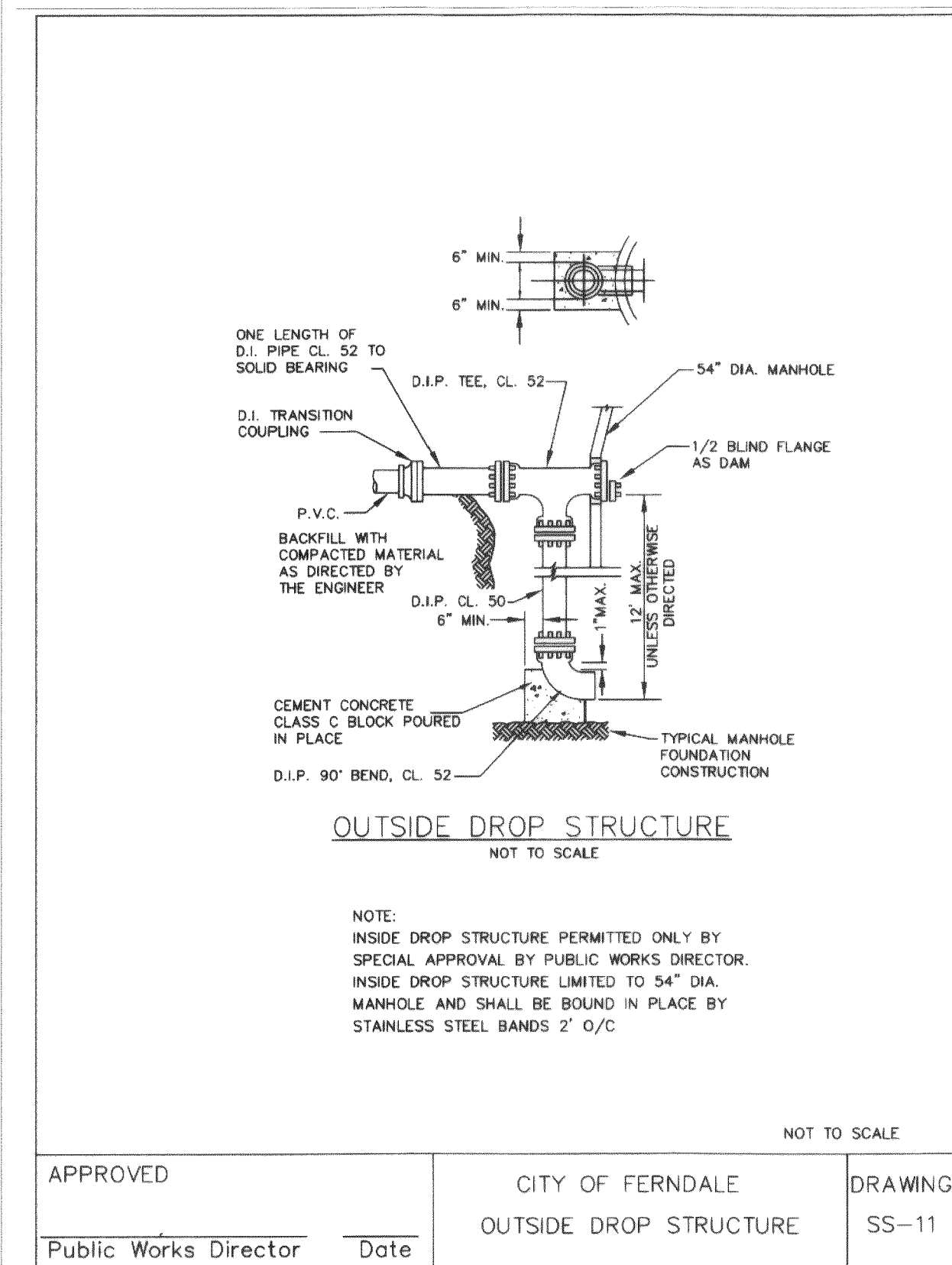
APPROVED
FEB 01 2006
BY CITY OF FERDALE

SHEET
18
OF 24

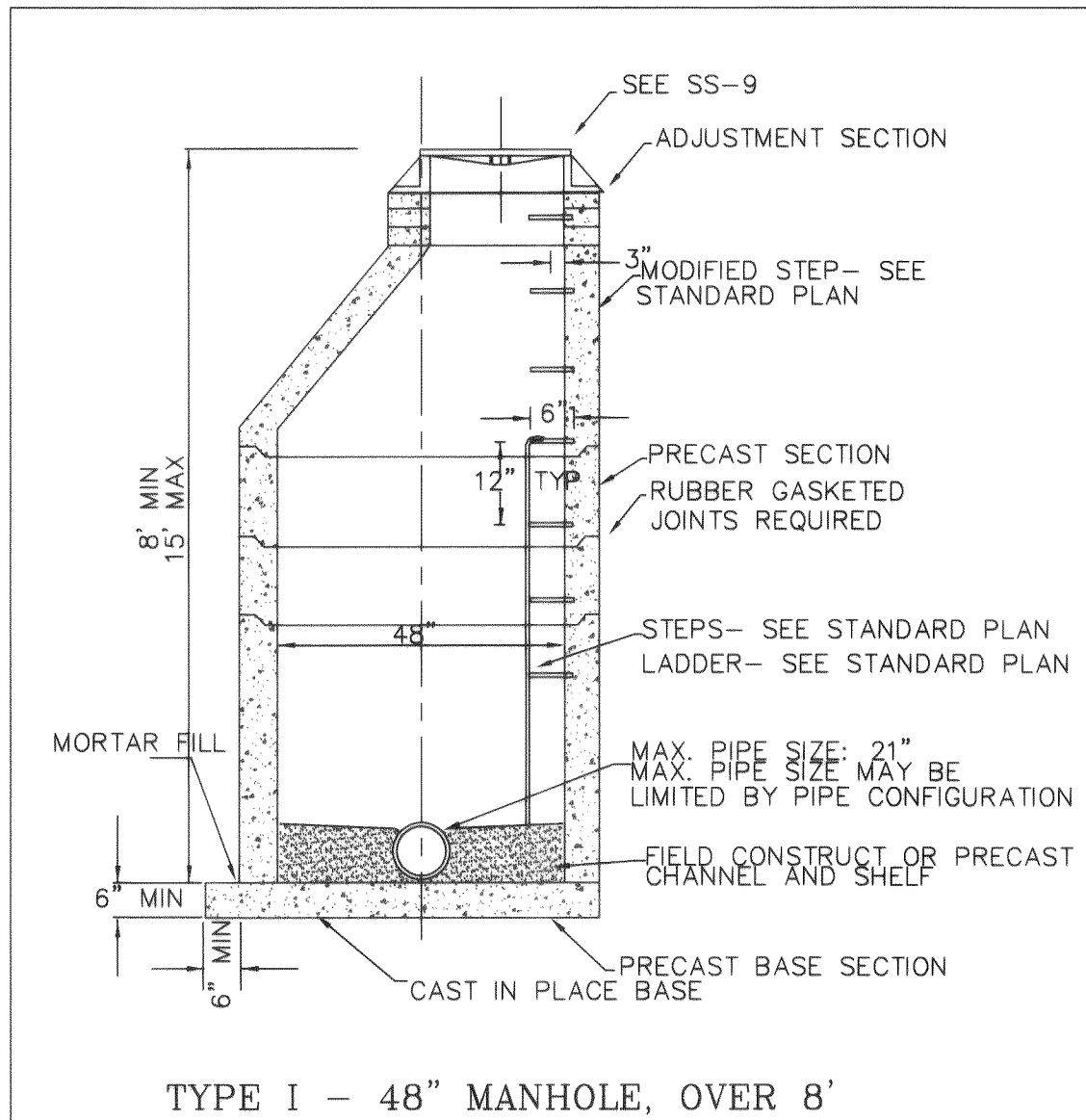
00310.018 2.21.06 RR



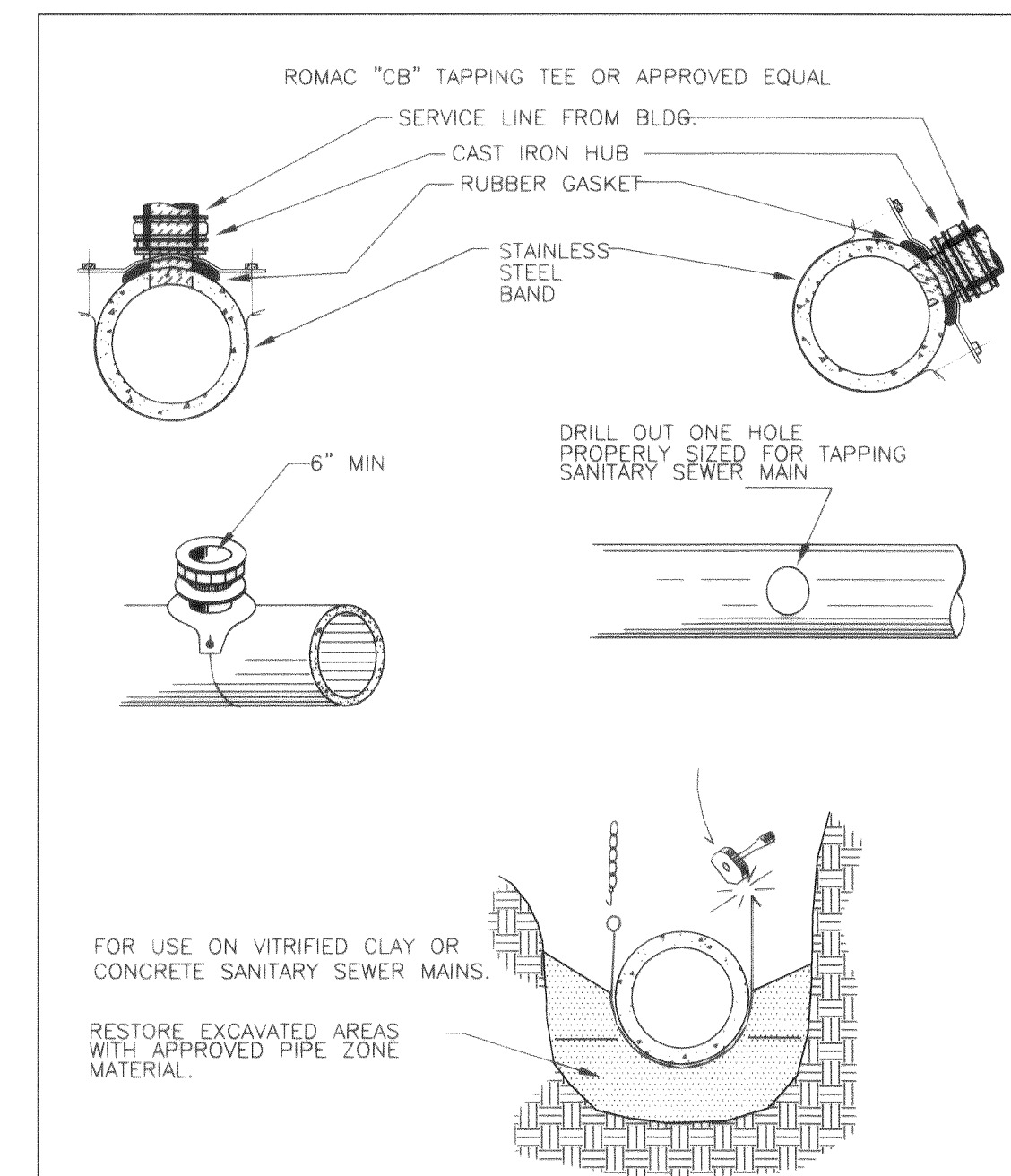
SS-1--PIPE BENDING FOR SANITARY SEWER
NOT TO SCALE



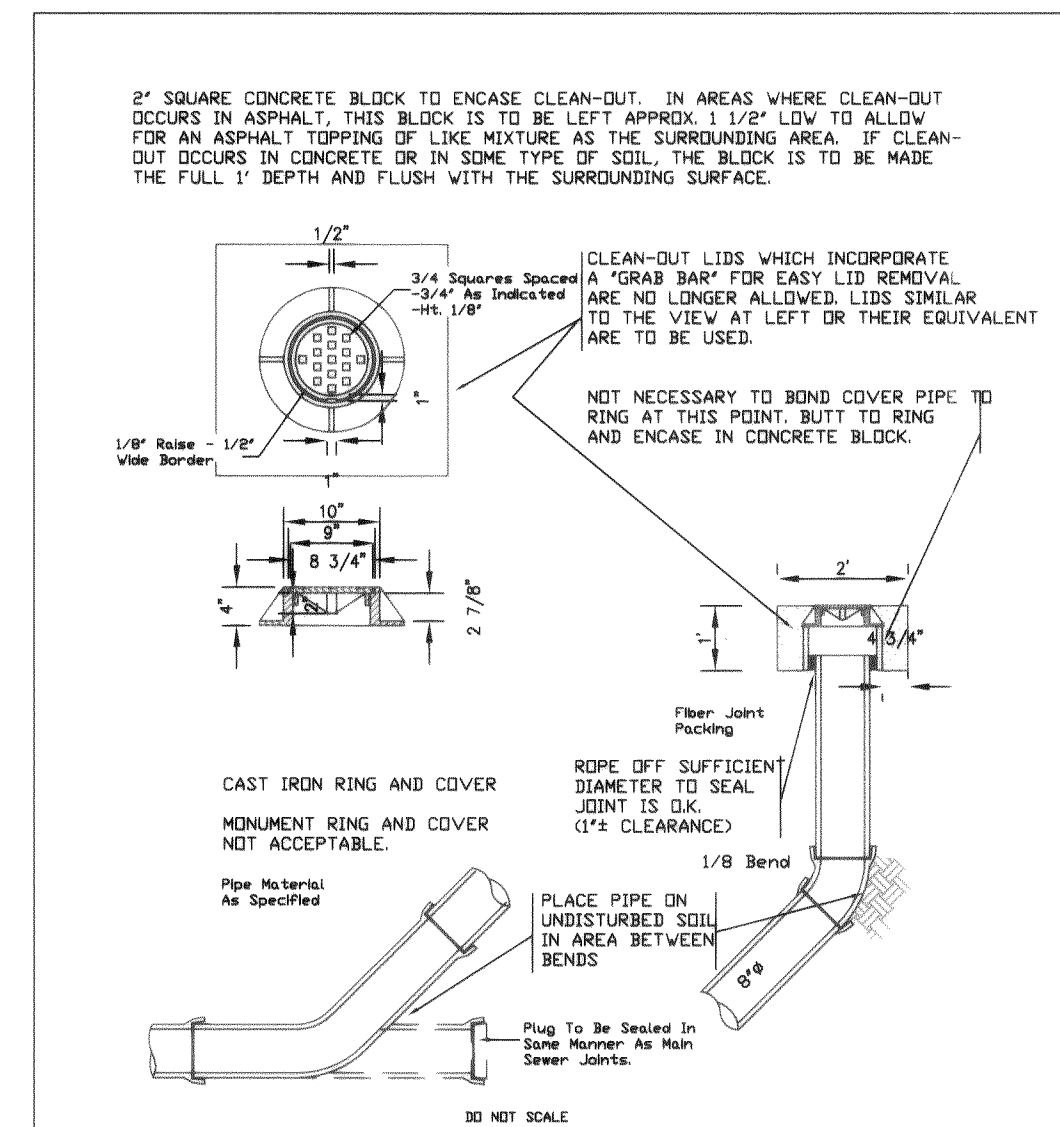
SS-10--INSIDE DROP STRUCTURE
NOT TO SCALE



SS-2--TYPE 48" MANHOLE
NOT TO SCALE

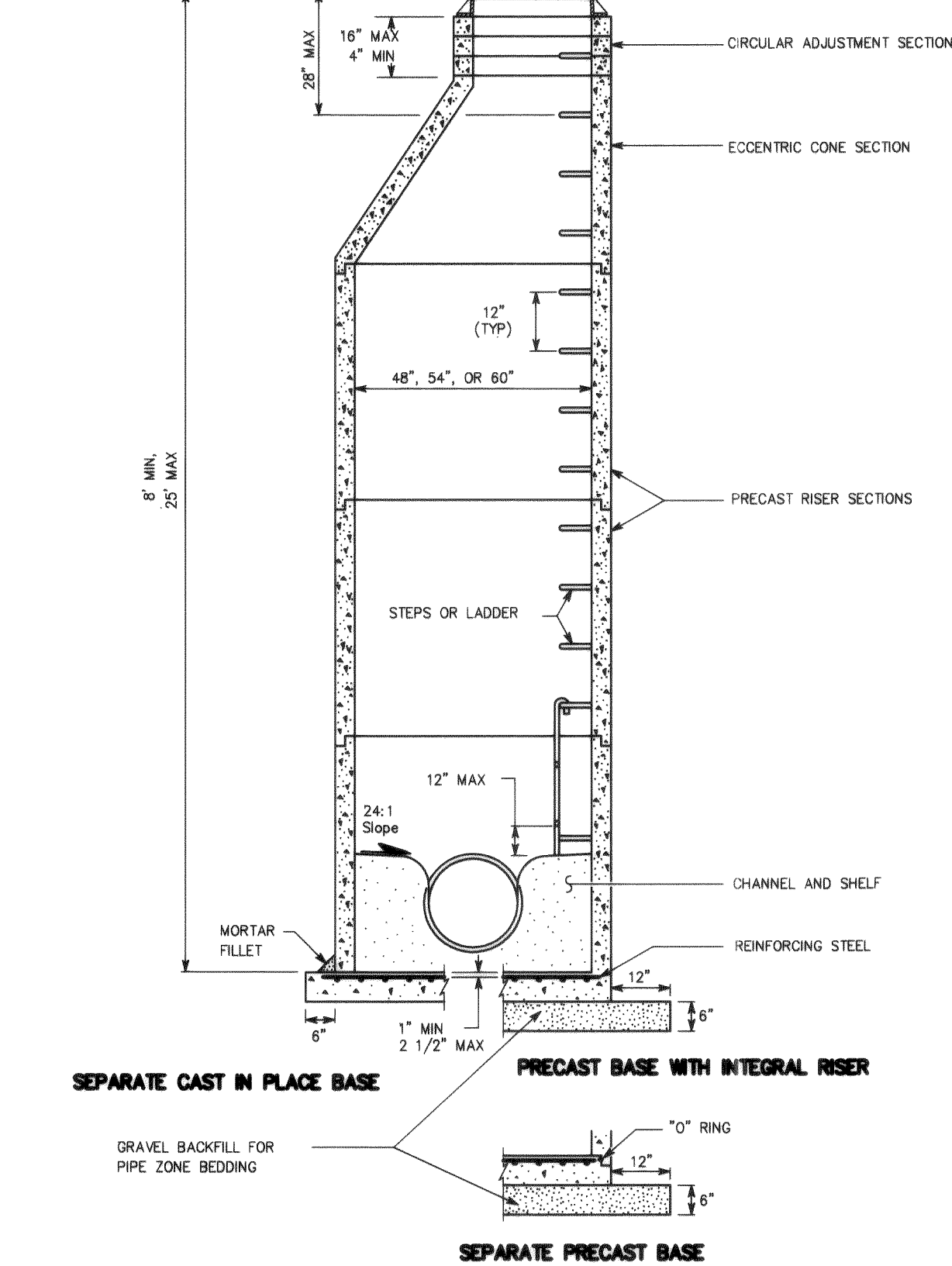


SS-12--BENDED TAPING TEE
NOT TO SCALE

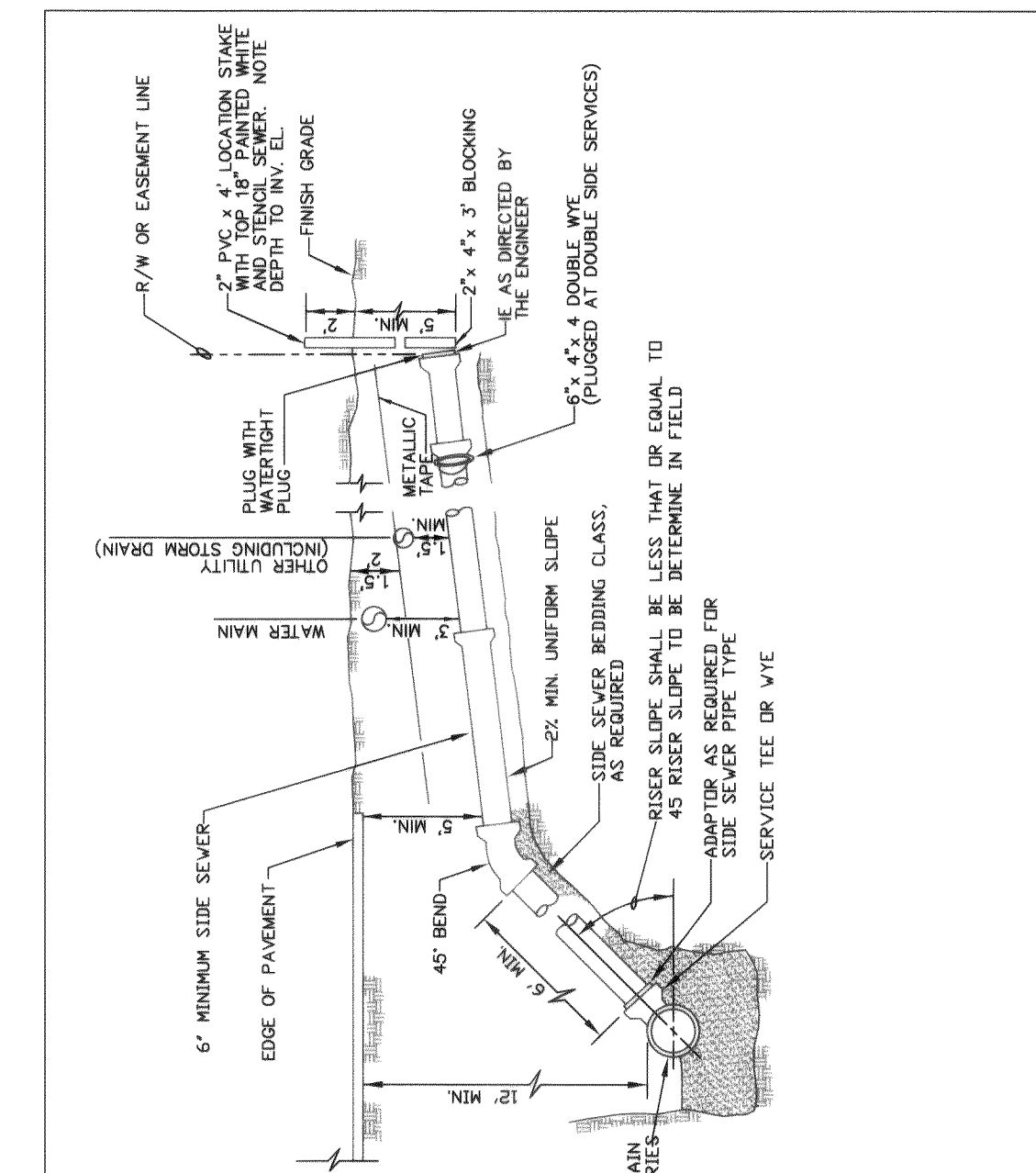


SS-5--8" CLEAN OUT
NOT TO SCALE

SS-5--8" CLEAN OUT
NOT TO SCALE



B-23a--MANHOLE TYPE-1
NOT TO SCALE



SS-8--SS-SIDE SERVICE INSTALLATION
NOT TO SCALE

SS-8--SS-SIDE SERVICE INSTALLATION
NOT TO SCALE

DRAWN BY **SR** DATE 03/15/05
CHECKED BY DATE

WOODSIDE VILLAS LONG PLAT

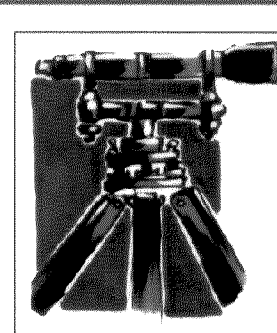
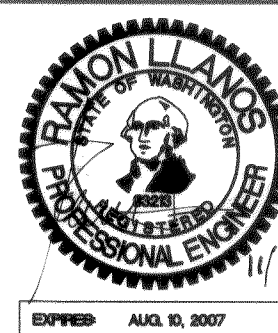
JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

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RAMON LEANOS, PE 11/10/05
DATE



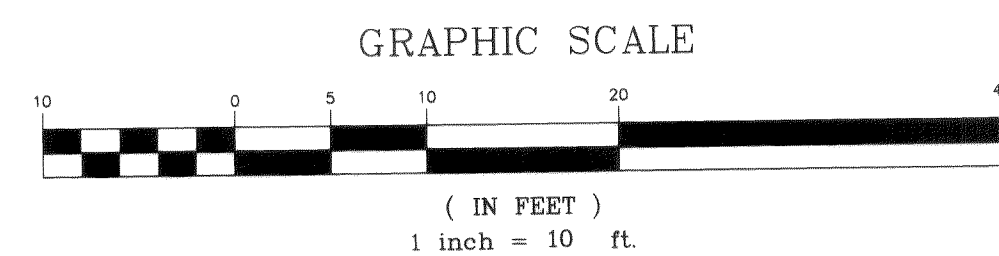
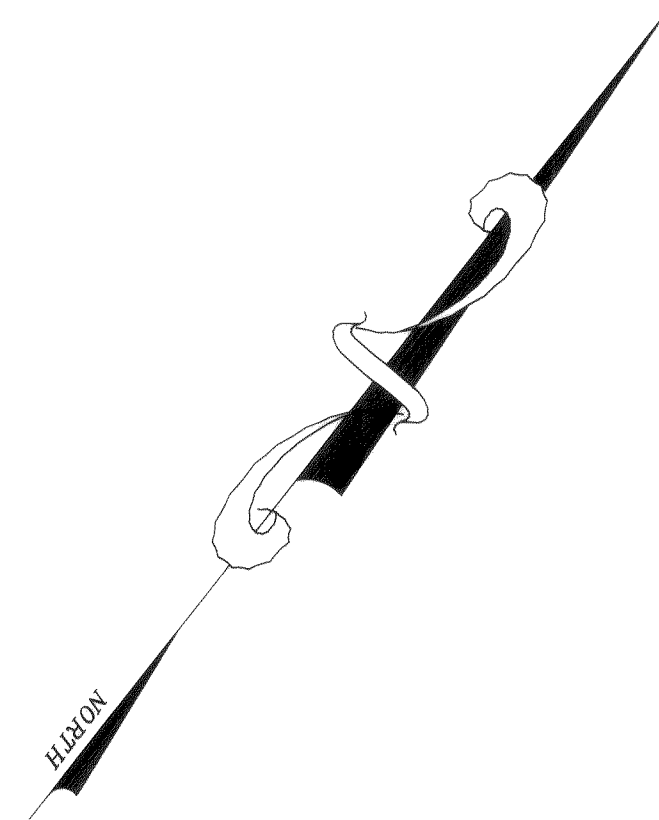
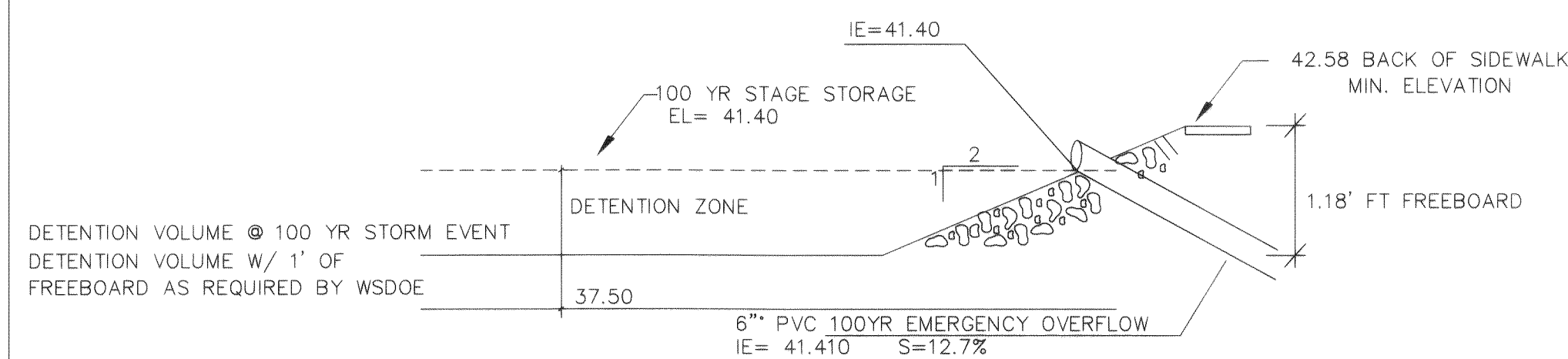
LDES, INC.
1350 SLATER RD. SUITE 9
FERNDAL, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

WOODSIDE VILLAS LONG PLAT
DETAILS

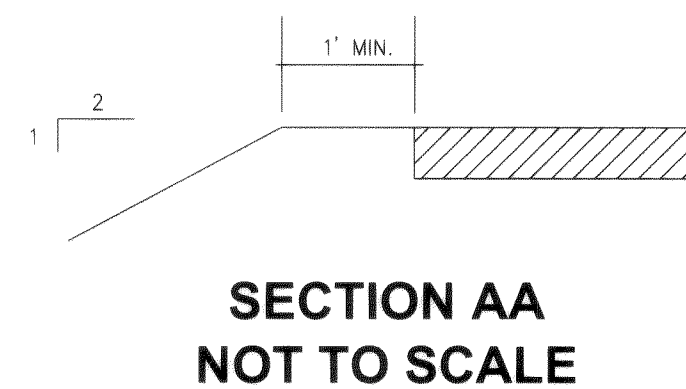
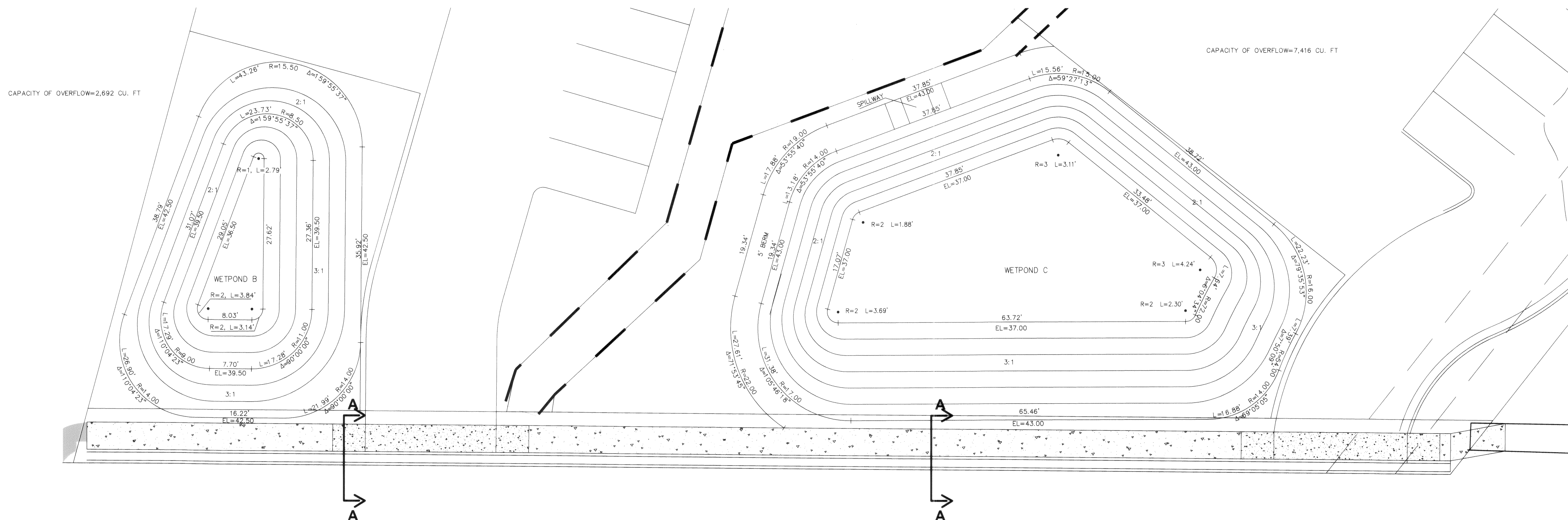
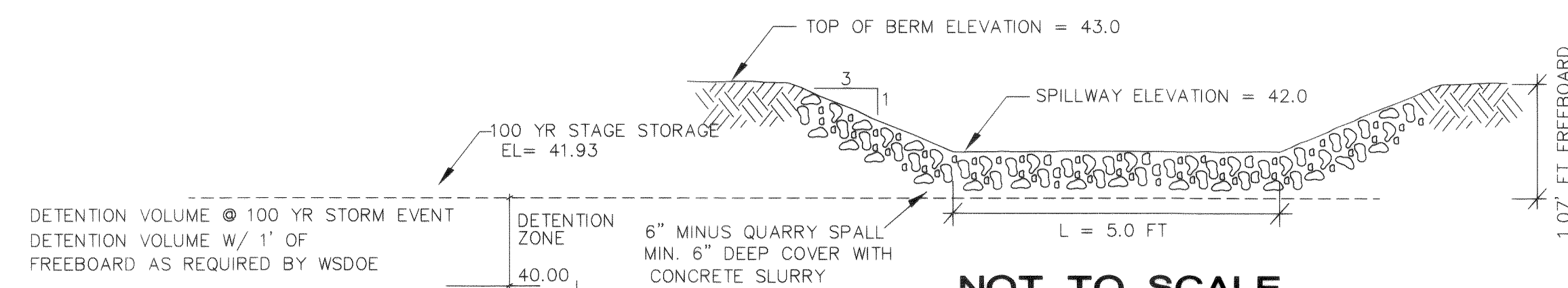
APPROVED
FEB 01 2006
BY **KE**
CITY OF FERNDAL

SHEET **19**
OF 24

00310.019 2-21-06 KR

**100 YR. EMERGENCY OVERFLOW**

NOT TO SCALE

**100 YR. EMERGENCY SPILLWAY**

DRAWN BY: SR DATE: 03/15/05

CHECKED BY: DATE:

WOODSIDE VILLAS LONG PLAT

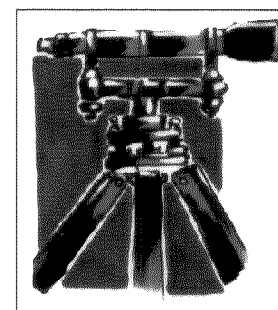
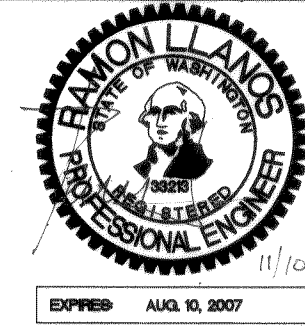
JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SMO DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERDALE, DEPARTMENT OF PUBLIC WORKS.

[Signature] 11/10/05
RAMON LLANOS, PE DATE



LDES, INC.
1350 SLATER RD. SUITE 9
FERDALE, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

WOODSIDE VILLAS LONG PLAT
WASHINGTON STORM WATER DETENTION

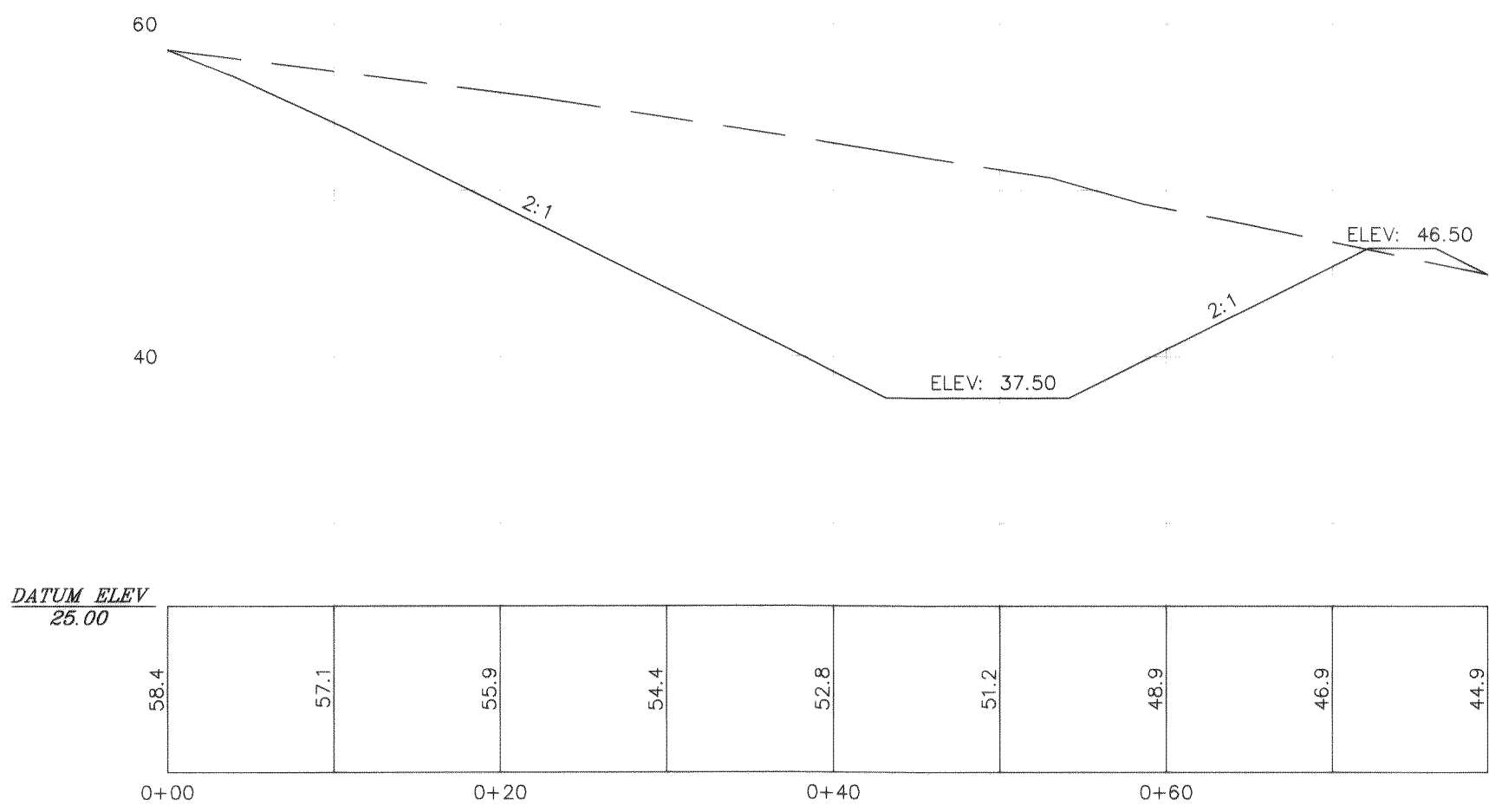
APPROVED
FEB 01 2006
BY *[Signature]*
CITY OF FERDALE

SHEET
20
OF 24

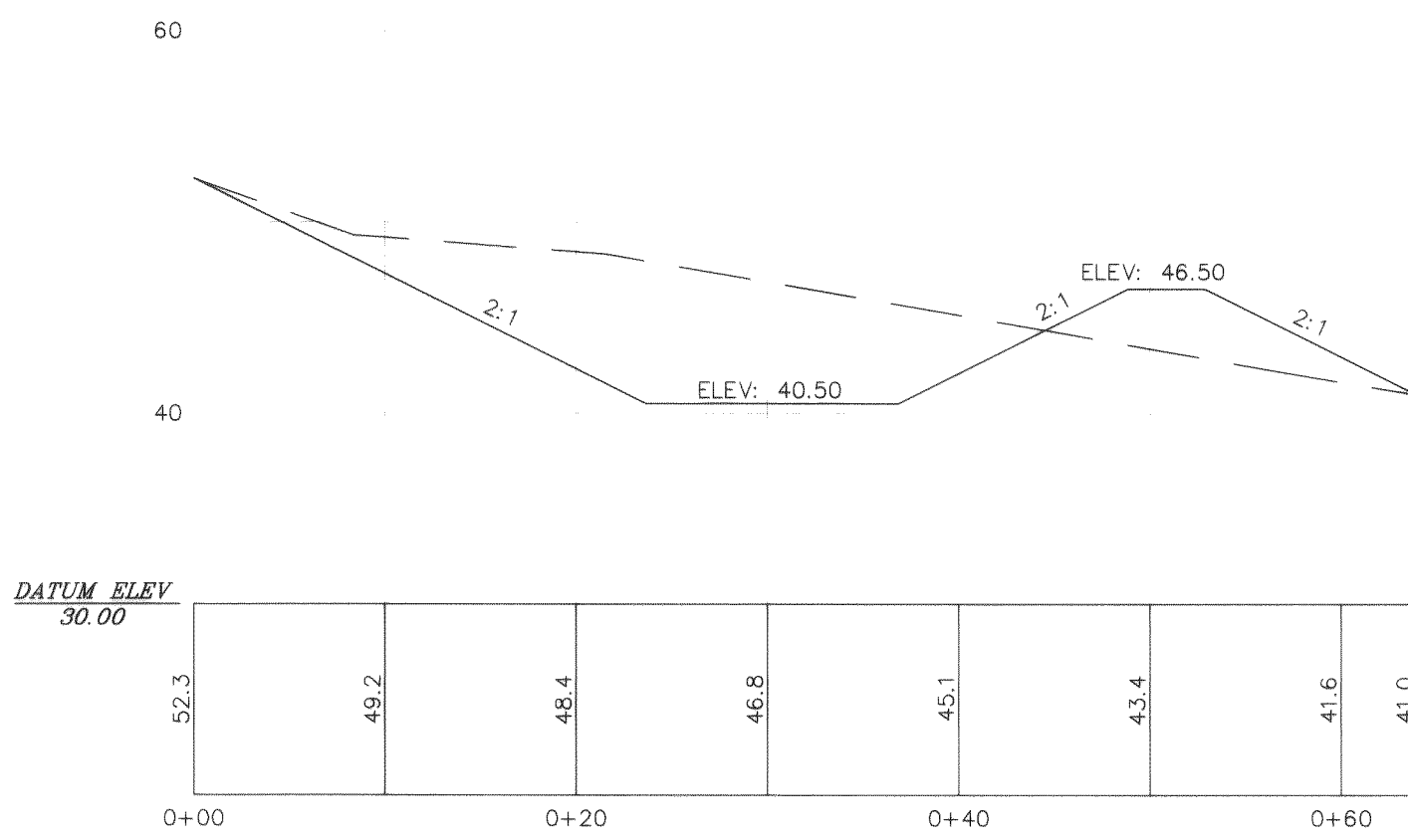
00310.020 2-21-06 RL

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OF 24

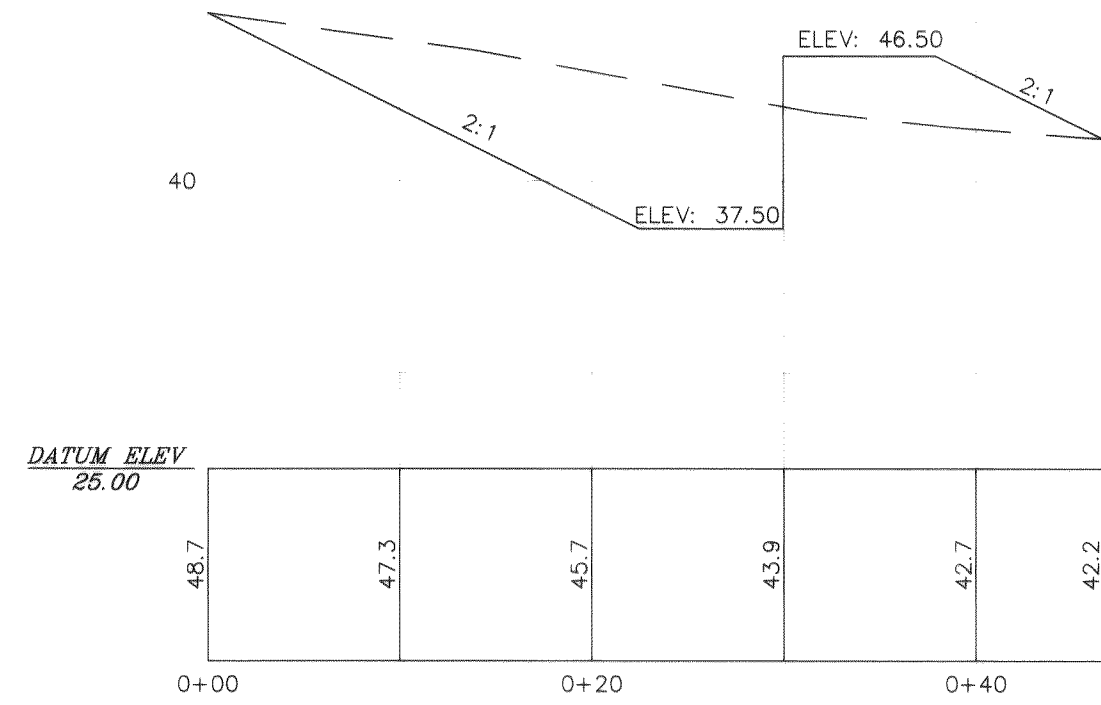
00310.022 2-21-06 KR



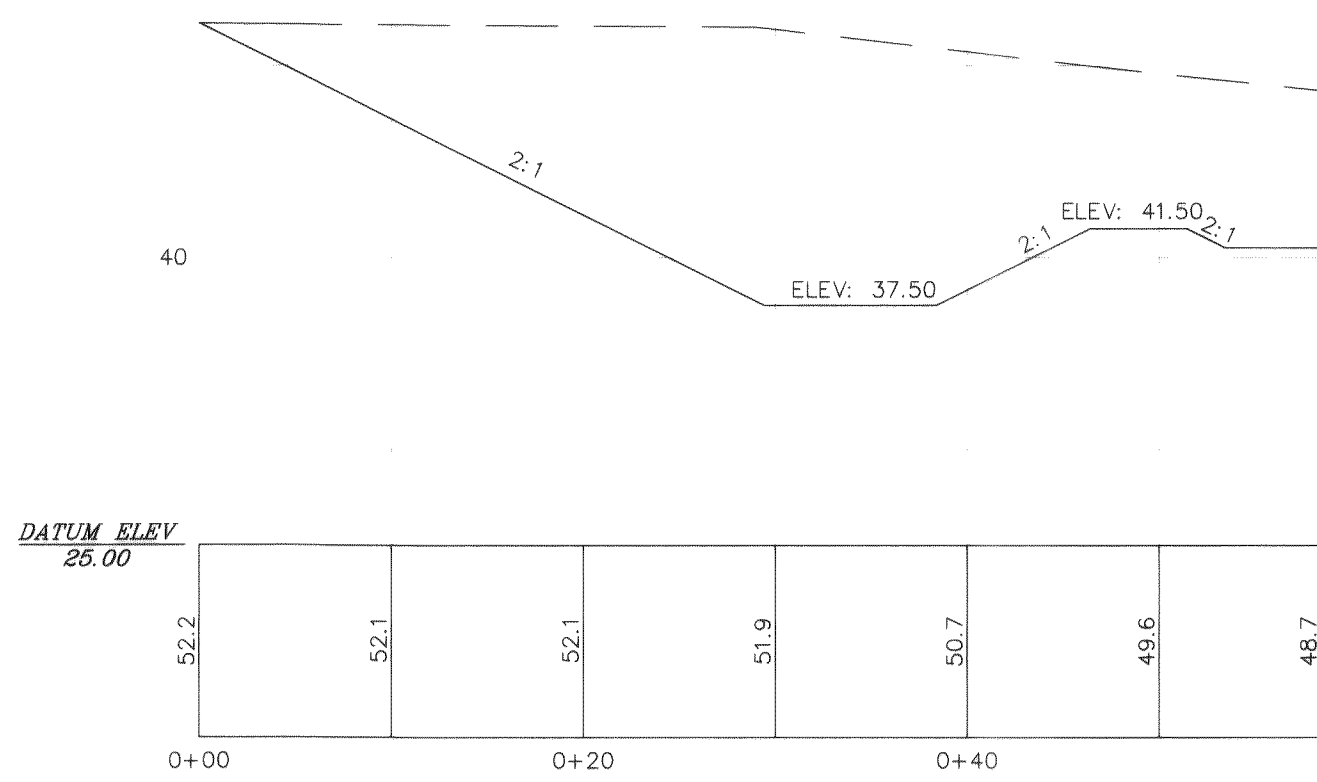
PROFILE SECTION AA



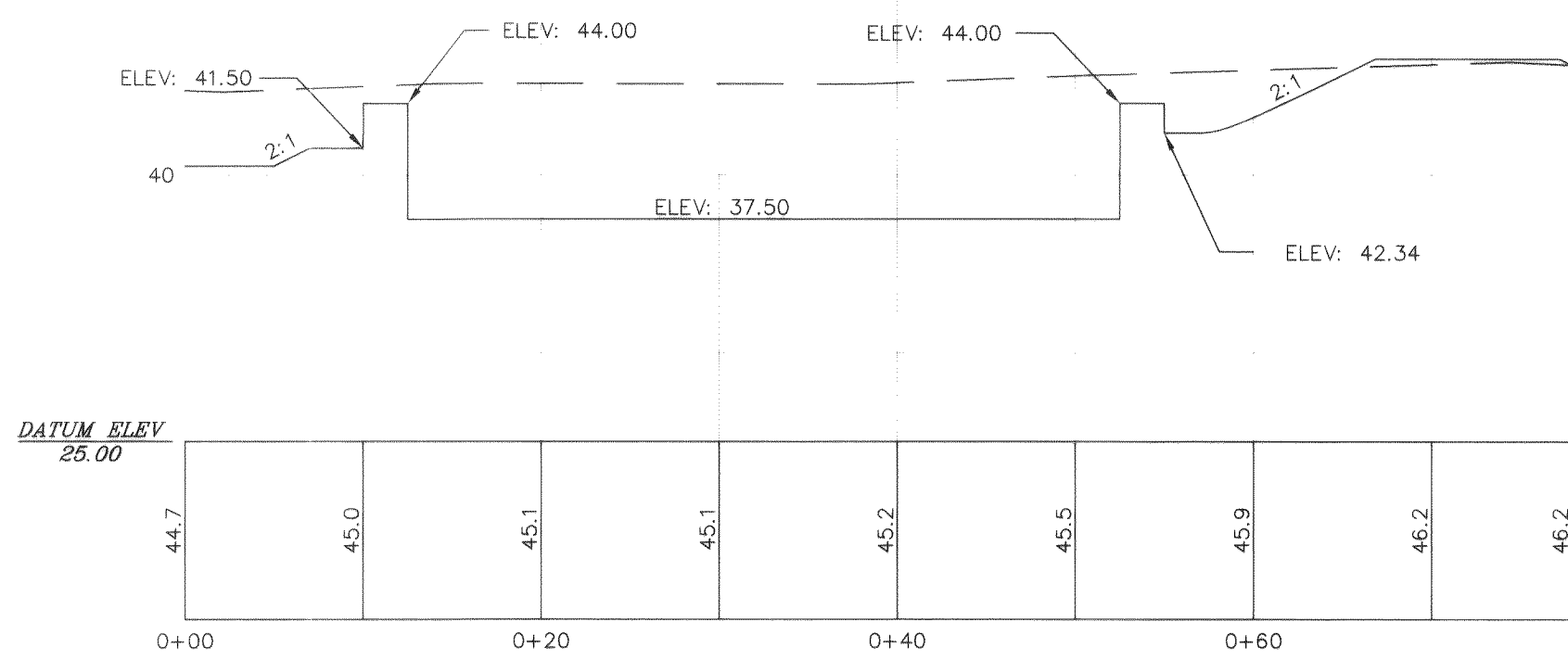
PROFILE SECTION BB



PROFILE SECTION CC



PROFILE SECTION DD



PROFILE SECTION EE

DRAWN BY: SR DATE: 03/15/05
CHECKED BY: DATE:

WOODSIDE VILLAS LONG PLAT

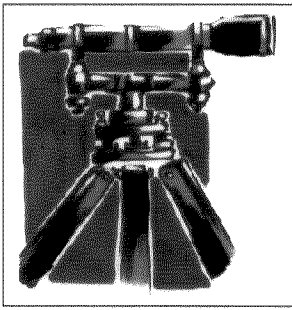
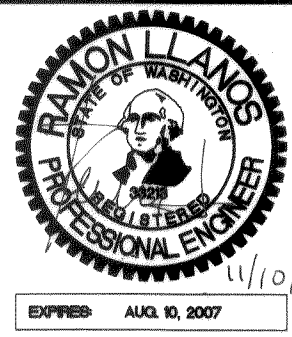
JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I, HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR LAND DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDALE, DEPARTMENT OF PUBLIC WORKS."

Ramon Llanos
RAMON LLANOS, PE
DATE: 4/10/05

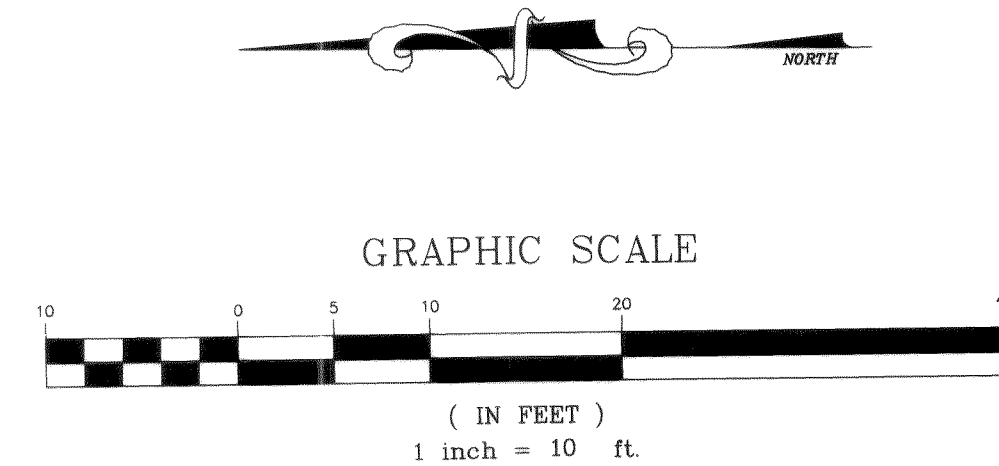
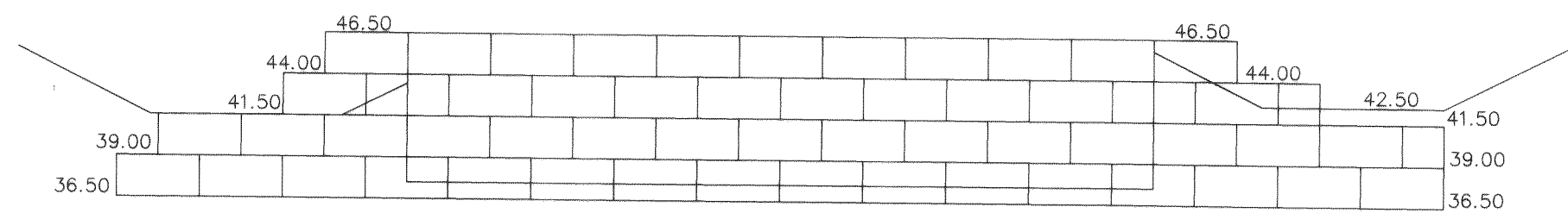
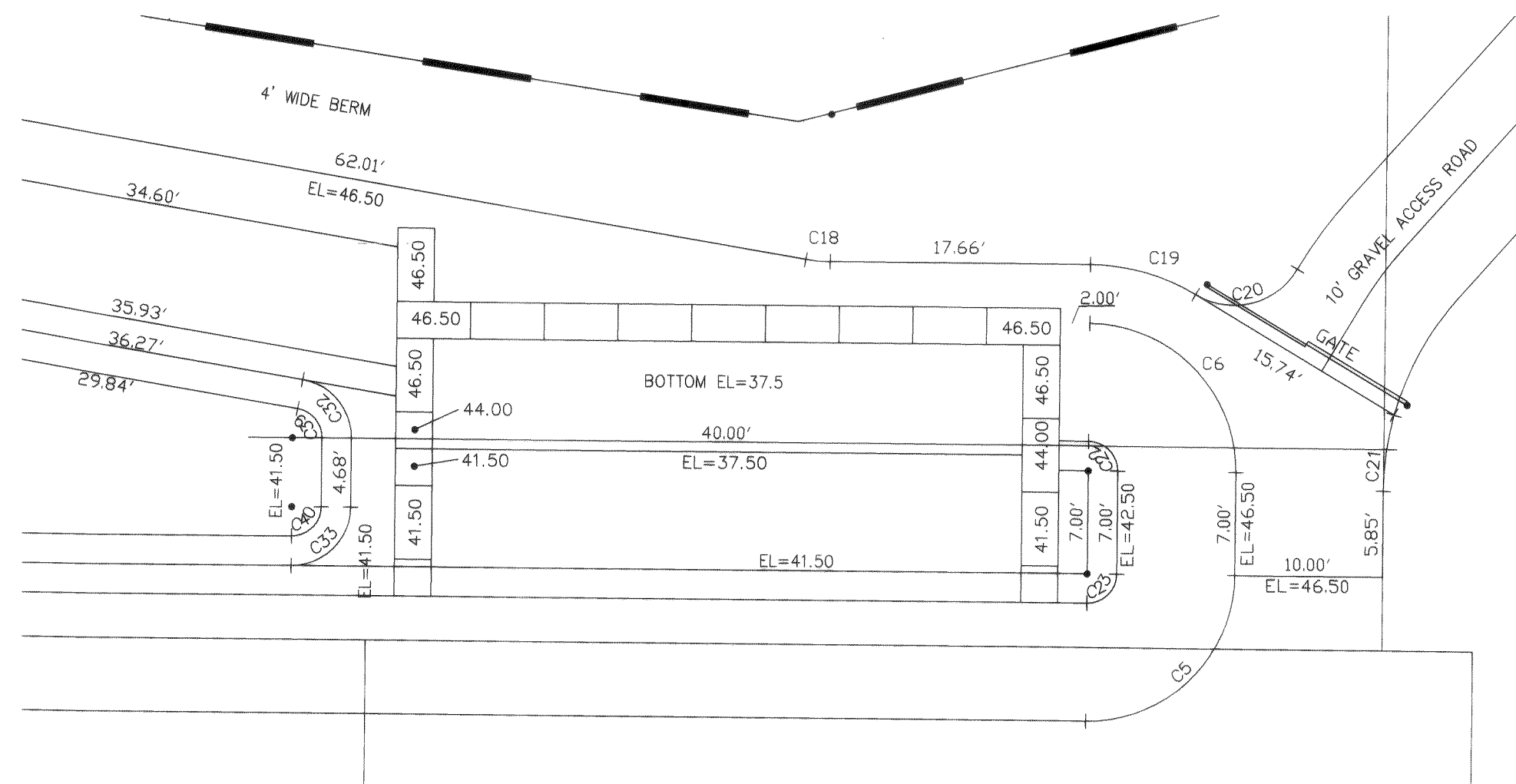


LDES, INC.
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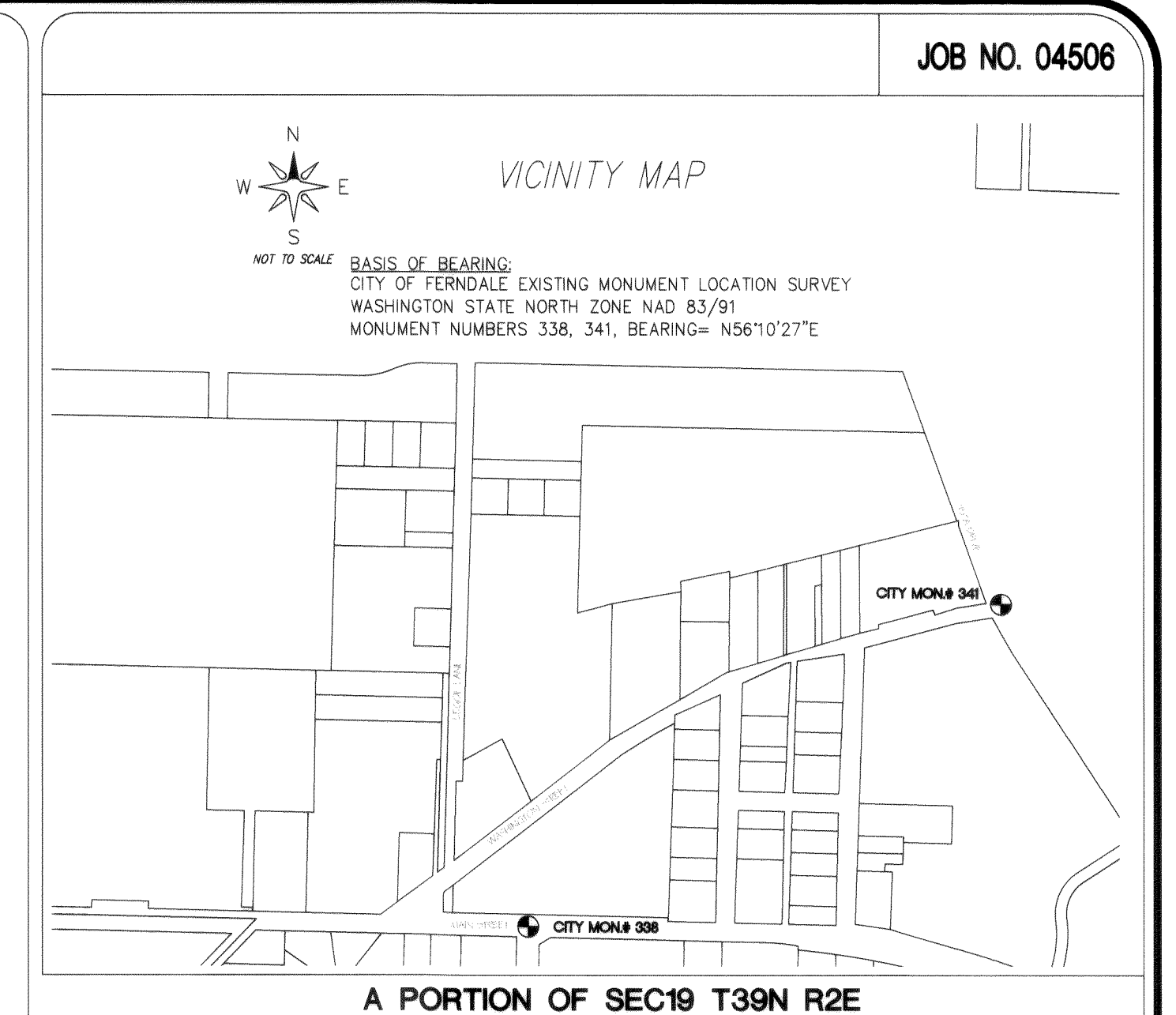
WOODSIDE VILLAS LONG PLAT
LEGOE STORM WATER DETENTION

APPROVED
FEB 01 2006
BY: *RC*
CITY OF FERNDALE

SHEET
21A
OF 24



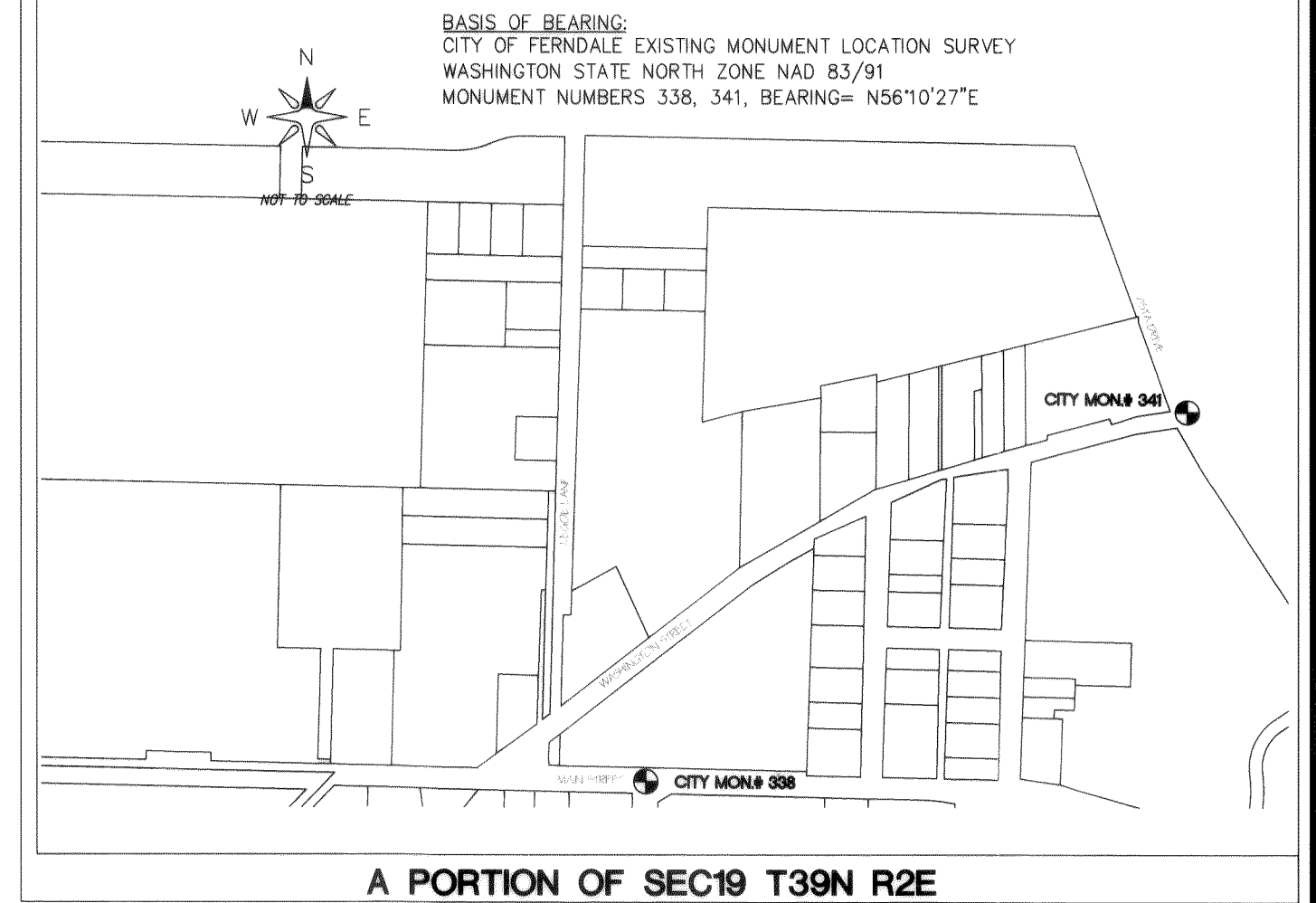
- NOTE:
1. THE STRUCTURAL ENGINEER SHALL SUBMIT A SCHEDULE OF REQUIRED INSPECTIONS FOR WALL CONSTRUCTION.
 2. INSPECTION REPORTS COMPLETED BY THE STRUCTURAL ENGINEER CONSISTENT WITH THE INSPECTION SCHEDULE SHALL BE SUBMITTED TO THE CITY.
 3. THE STRUCTURAL ENGINEER SHALL CERTIFY IN WRITING UNDER HIS OR HER SEAL THE WALL IS CONSTRUCTED CONSISTENT WITH THE APPROVED PLAN.



00310.023 2.21.06 KR

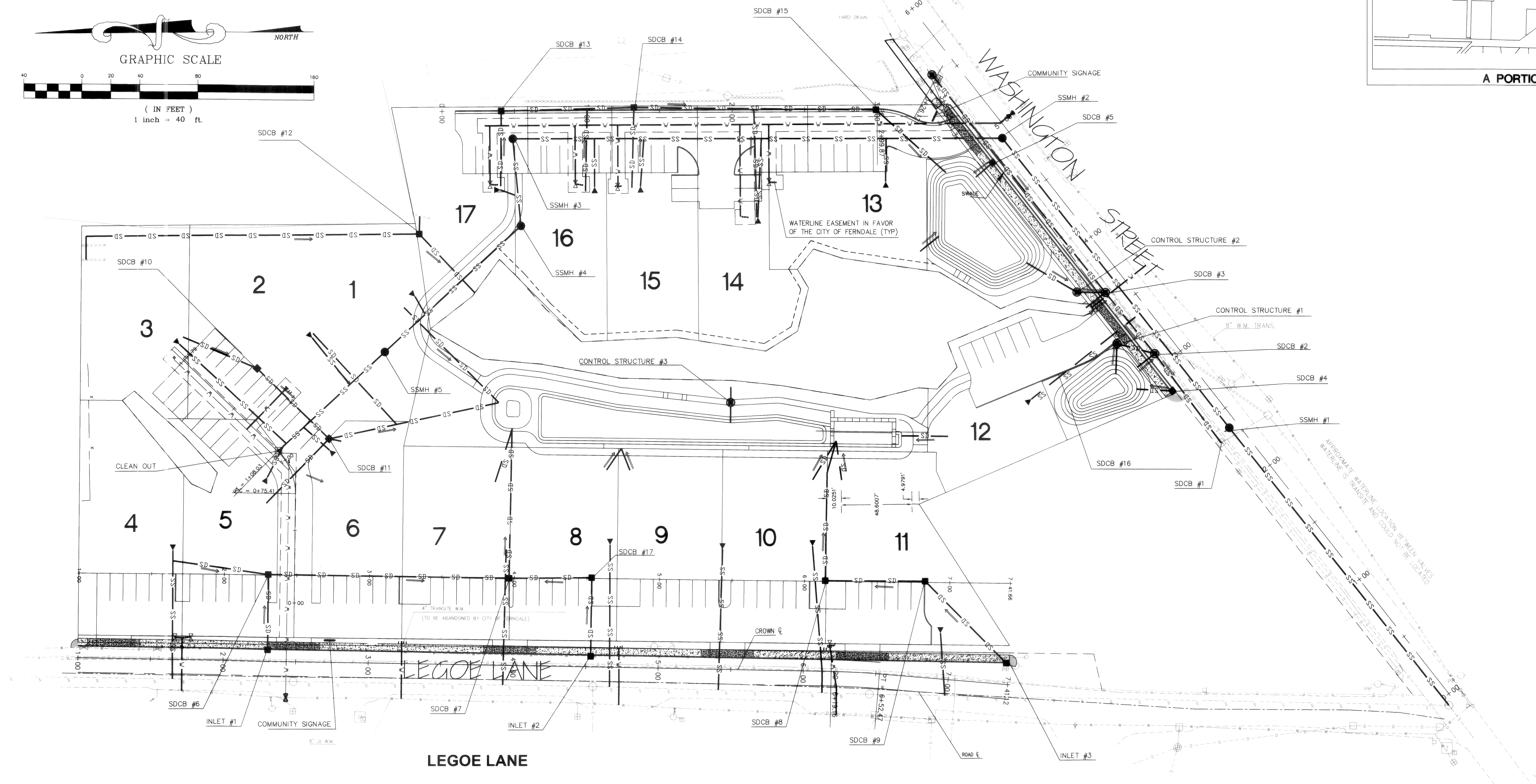
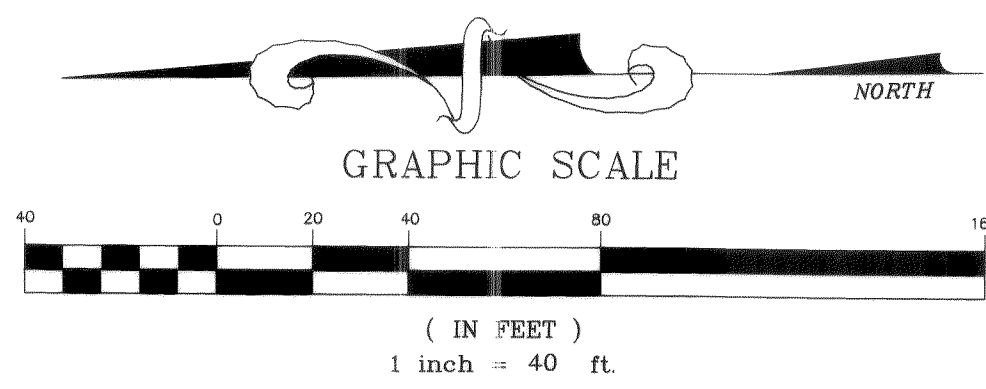
DRAWN BY: SR DATE: 03.15.05	WOODSIDE VILLAS LONG PLAT	RECORD DRAWINGS PROFESSIONAL CERTIFICATION			LDES, INC. 1350 SLATER RD. SUITE 9 FERNDAL, WA 98248 PHONE 360-383-0620 FAX 360-383-0639	WOODSIDE VILLAS LONG PLAT POND WALL PLAN AND PROFILE	APPROVED	SHEET 22 OF 24
CHECKED BY: DATE:		FOR: TORKILD CORPORATION					I, HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDAL DEPARTMENT OF PUBLIC WORKS.	

VICINITY MAP



A PORTION OF SEC19 T39N R2E

NOTE:
CONTRACTOR SHALL OVER EXCAVATE EXISTING SWALE TO SUITABLE
SUBGRADE AND FILL W/ GRAVEL BALLAST
TO GRADE.



DRAWN BY SR DATE 06/15/05
CHECKED BY DATE

WOODSIDE VILLAS LONG PLAT

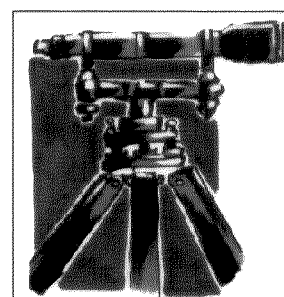
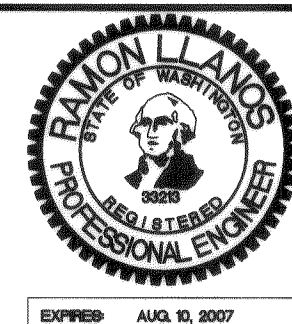
JOB # 04506

FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

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[Signature] 6/27/06
DATE
RAMON LLANOS, PE



LDES, INC.
1350 SLATER RD. SUITE 9
FERNDALE, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

WOODSIDE VILLAS PRELIMINARY PLAT
COMPOSITE UTILITY PLAN

APPROVED
JAN 22 2007
BY *[Signature]*
CITY OF FERNDALE

SHEET
23
OF 24

1.28.08

00310.02S 2-21-06 KR

GENERAL REQUIREMENTS

- ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND TO THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. WORK AND MATERIALS SHALL ALSO CONFORM TO THE CITY OF FERNDAL DEVELOPMENT STANDARDS. IN CASE OF A CONFLICT BETWEEN PLANS, REGULATORY STANDARDS OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT WILL PREVAIL.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER CONSTRUCTION DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- THE CONTRACTOR SHALL OBTAIN REVOCABLE ENCROACHMENT PERMITS FROM THE CITY OF FERNDAL AND WHATCOM COUNTY PRIOR TO COMMENCING WORK WITHIN PUBLIC RIGHTS-OF-WAY.
- THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH REPRESENTATIVES OF THE CITY OF FERNDAL PUBLIC WORKS DEPARTMENT AND THE PROJECT ENGINEER A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- ALL WORK AND MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE CITY OF FERNDAL. REPRESENTATIVES FROM THE CITY OF FERNDAL PUBLIC WORKS DEPARTMENT MUST INSPECT ALL WORK. THE CONTRACTOR SHALL CALL AT LEAST 24 HOURS IN ADVANCE TO SCHEDULE INSPECTIONS AS FOLLOWS:
 - PLACEMENT OF TEMPORARY EROSION CONTROL MEASURES.
 - PLACEMENT OF WATER MAIN AND BACKFILLING OF WATER MAIN TRENCH WITHIN ROAD RIGHTS-OF-WAY OR IN WATERLINE EASEMENTS TO BE DEDICATED TO THE CITY OF FERNDAL.
 - PLACEMENT AND BACKFILLING OF UNDERGROUND UTILITIES, STORM SEWER AND SANITARY SEWER WITHIN ROAD RIGHTS-OF-WAY OR IN EASEMENTS TO BE DEDICATED TO THE CITY OF FERNDAL.
 - GRADING OF PUBLIC ROADWAY AT:
 - COMPLETION OF EXCAVATION TO SUBGRADE.
 - COMPLETION OF BALLAST COURSE PLACEMENT.
 - COMPLETION OF CRUSHED SURFACING COURSE PLACEMENT.
 - POURING OF CURB AND GUTTER AND SIDEWALK IN PUBLIC ROADWAY.
 - ASPHALT PAVING IN PROGRESS IN PUBLIC ROADWAY.
 - OVERALL INSPECTION FOR FINISHED SHOULDERS, DITCHES, PERMANENT SEEDING AND MONUMENT PLACEMENT.
 - END OF MAINTENANCE PERIOD.
- SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL ABOVE GROUND AND BURIED DEBRIS AND WASTE THAT MAY BE PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING SUB-SURFACE CONDITIONS AND SOILS TYPES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. ALL SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS 1-07.23-TRAFFIC CONTROL, SHALL APPLY.
- A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- THE CONTRACTOR SHALL INFORM THE ENGINEER AND OBTAIN APPROVAL FROM THE CITY OF FERNDAL PUBLIC WORKS DIRECTOR OF ANY PROPOSED DEVIATIONS FROM THE APPROVED PLANS PRIOR TO CONSTRUCTION OF THE REVISED IMPROVEMENTS. THE CONTRACTOR SHALL KEEP RECORDS OF ALL DEVIATIONS AND SHALL FORWARD THEM TO THE ENGINEER AND TO THE CITY OF FERNDAL PUBLIC WORKS DEPARTMENT.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE BASED UPON A COMBINATION OF FIELD RECONNAISSANCE, FIELD SURVEY AND UTILITY COMPANY RECORDS AND ARE SHOWN ON THESE PLANS IN AN APPROXIMATE WAY ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL OF THE VARIOUS UTILITY COMPANIES TO ARRANGE FOR FIELD LOCATIONS OF ALL EXISTING UTILITY FACILITIES PRIOR TO STARTING CONSTRUCTION. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR COSTS INCURRED BECAUSE OF DAMAGE DONE TO EXISTING FACILITIES BY THE CONTRACTOR'S WORK FORCE, INCLUDING COSTS FOR REPAIRS, WHICH WILL BE CONTRACTOR'S SOLE RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL EXISTING UTILITIES AND TO NOTIFY THE ENGINEER PROMPTLY OF ANY CONFLICT BETWEEN THE APPROVED PLANS AND THE LOCATION OF ANY EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT UTILITY LOCATION SERVICE AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION. PHONE: 1-800-424-5555.
- THE CONTRACTOR SHALL PROTECT ALL PRIVATE AND PUBLIC UTILITIES FROM DAMAGE RESULTING FROM THE WORK. CONTRACTOR SHALL RESTORE ALL PRIVATE AND PUBLIC PROPERTY DISRUPTED BY THE PROJECT IMMEDIATELY AFTER CONSTRUCTION.
- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST BETWEEN ACTUAL FIELD CONDITIONS AND THE ASSUMED CONDITIONS SHOWN ON THE APPROVED PLANS PRIOR TO PROCEEDING WITH CONSTRUCTION, SO THAT NECESSARY PLAN OR DESIGN CHANGES CAN BE MADE. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR EXTRA WORK, INCLUDING REMOVAL AND RECONSTRUCTION OF NEWLY BUILT IMPROVEMENTS, MADE NECESSARY BY ERRORS OF DIMENSION OR GRADE ON THE APPROVED PLANS, UNLESS SUCH NOTIFICATION WAS GIVEN.
- THROUGHOUT THE PERIOD OF CONSTRUCTION, CONTRACTOR SHALL COMPLY WITH THE TERMS OF ALL PERMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING OR GRADING.
- ALL MATERIALS TESTING REQUIREMENTS FOR THE IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED IN ACCORDANCE WITH THE INSTRUCTIONS OF THE CITY OF FERNDAL PUBLIC WORKS DIRECTOR. CONTRACTOR SHOULD DETERMINE THESE REQUIREMENTS PRIOR TO THE START OF CONSTRUCTION.
- ALL PORTLAND CEMENT CONCRETE SHALL BE APWA CLASS 3000, PER APWA STANDARD SPECIFICATIONS, SECTION 6-02.3(2)B.
- UNDERGROUND UTILITIES CONSTRUCTION
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE ENGINEER TO ASSURE ACCURATE AND TIMELY COLLECTION OF ALL REQUIRED AS-BUILT DATA. THIS DATA MUST ACCURATELY REFLECT THE LOCATIONS OF ALL UNDERGROUND UTILITIES, BOTTOM OF PIPE ELEVATIONS, INVERT ELEVATIONS, MANHOLE LOCATIONS, BLOW-OFF LOCATIONS AND INVERTS OF SERVICE CONNECTIONS (BOTH AT PIPE AND AT PROPERTY LINE), VERTICAL AND HORIZONTAL BENDS, SERVICE BOXES AND METERS, VALVES AND HYDRANTS. CALL AT LEAST 48 HOURS BEFORE BURYING UNDERGROUND PIPE TO ASSURE AND FACILITATE REQUIRED AS-BUILT SURVEY. THE ENGINEER WILL PROVIDE CERTIFIED AS-BUILT MYLARS TO PUBLIC WORKS UPON PROVISIONAL ACCEPTANCE OF ROAD AND UTILITY IMPROVEMENTS.
 - THE CONSTRUCTION OF UNDERGROUND UTILITY LINES SHALL BE SUBJECT TO THE FOLLOWING CRITERIA:
 - NO MORE THAN 500 FEET OF TRENCH SHALL BE OPENED AT ONE TIME.
 - WHERE CONSISTENT WITH SAFETY AND SPACE CONSIDERATIONS, EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF DITCHES.
 - TRENCH DEWATERING DEVICES SHALL DISCHARGE INTO SEDIMENT TRAPS OR SEDIMENT PONDS.
 - WHERE PRACTICAL, INSTALL GRAVITY PIPE UTILITIES PRIOR TO INSTALLATION OF OTHER UTILITIES.
 - UTILITY CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF FERNDAL DEVELOPMENT STANDARDS.
 - TESTING OF NEW WATER LINES, SANITARY SEWER LINES, AND STORM SEWER SYSTEMS SHALL NOT BE PERFORMED UNTIL ALL OTHER ADJACENT UTILITIES HAVE BEEN INSTALLED.

ROAD

- THE FOLLOWING STANDARD DETAILS SHALL BE USED FOR CONSTRUCTION OF THE STANDARD STREET SECTION:

TYPICAL STREET SECTION PCC CURB AND GUTTER PCC SIDEWALKS PCC CURB RAMPS, ADA APPROACHES SIDEWALK DRAINS MONUMENTS	TYPICAL SECTION ON SHEET 1 OF THESE PLANS CITY OF FERNDAL STANDARD DETAIL (COFSD) R-9 COFSD R-12 & TYP. SECTION ON SHEET 1 WSDOT STD. DETAIL F-3 COFSD ST-15 COFSD S-2
--	---
- ALTERNATE PAVEMENT SECTIONS, WHEN DESIGNED BY A LICENSED GEOTECHNICAL ENGINEER, MAY BE SUBMITTED TO THE CITY OF FERNDAL PUBLIC WORKS DIRECTOR FOR CONSIDERATION AND, IF APPROVED, USED IN PLACE OF THE PAVEMENT SECTION SHOWN ON THESE PLANS.
- EARTHWORK
 - THE CONTRACTOR SHALL CLEAR, GRUB AND CLEAN UP THOSE AREAS SHOWN ON THE PLANS.
 - THE CONTRACTOR SHALL RAZE, REMOVE AND DISPOSE OF ALL BUILDING AND FOUNDATIONS, STRUCTURES, FENCES AND OTHER OBSTRUCTIONS THAT LIE WHOLLY OR PARTIALLY WITHIN THE PROJECT LIMITS.
 - THE CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING UNCOMPACTED OR POORLY COMPACTED FILL SOILS WITHIN THE ROAD PRISM AT THE DIRECTION OF THE ENGINEER.
 - THE CONTRACTOR SHALL EXCAVATE AND GRADE TO THE ALIGNMENT, GRADE AND CROSS-SECTIONS SHOWN IN THE PLANS OR ESTABLISHED BY THE ENGINEER.
 - MAXIMUM DENSITY AND OPTIMUM MOISTURE FOR GRANULAR MATERIALS WILL BE DETERMINED USING ASTM D-1557 TEST METHOD.
 - UNSUITABLE MATERIAL NOT FIT FOR USE AS A SUB-GRADE SHALL BE EXCAVATED TO THE BOUNDARIES SET BY THE ENGINEER AND REPLACED WITH A SUITABLE BACKFILL MATERIAL.
 - THE ENGINEER IS REQUIRED TO CERTIFY SUBGRADE, IN WRITING, PRIOR TO PAVING.
- BASE COURSES
 - GRAVEL BASES AND BALLAST SHALL NOT HAVE THE PERCENT PASSING THE U.S. NO. 200 SIEVE EXCEED 5%.
 - BALLAST, GRAVEL BASE AND CRUSHED SURFACING SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY.
 - OWNER SHALL BE RESPONSIBLE FOR ALL COMPACTION TESTING. ALL TESTING SHALL BE THROUGH ENG. REV. ACCOUNT AND PAID FOR BY OWNER.
- PAVEMENTS
 - SOIL RESIDUAL HERBICIDE SHALL BE PLACED WITHIN 24 HOURS OF PAVING.
 - A TACK COAT OF ASPHALT SHALL BE APPLIED BETWEEN ALL COURSES OF ASPHALT.
 - ALL PAVEMENT REPAIR SHALL BE SAW-CUT BEFORE REMOVAL. AR-4000W SHALL BE APPLIED TO ALL EDGES OF EXISTING PAVEMENT.
 - WHERE NEWLY CONSTRUCTED PAVING MEETS EXISTING PAVING, THE APPLICANT SHALL OVERLAY AND FEATHER NEW PAVEMENT TO PROVIDE A SMOOTH TRANSITION FROM EXISTING TO PROPOSED PAVING. APPLICATION OF A THIN PAINT COAT OF EMULSIFIED ASPHALT SHALL BE APPLIED TO INSURE PROPER BONDING.
 - ALL PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MUTCD.
- STREET LIGHTING
 - FINAL LOCATIONS OF STREET LIGHTS IS TO BE COORDINATED WITH PUGET SOUND ENERGY.
 - CONTRACTOR IS TO COMPLY WITH THE SPECIFICATIONS SHOWN ON WSDOT STANDARD DETAIL J-11A, STANDARD JUNCTION BOX, UNLESS OTHERWISE DIRECTED BY THE CITY OF FERNDAL PUBLIC WORKS DIRECTOR.
 - CONTRACTOR MUST INFORM THE CITY OF FERNDAL PUBLIC WORKS DIRECTOR OF A PROPOSED CONNECTION AT LEAST FOUR (4) WORKING DAYS IN ADVANCE.
- MAILBOXES
MAILBOXES SHALL BE TYPE I, II, AND/OR III - CBU (CENTRAL BOX UNIT), USPS APPROVED.
FINAL LOCATION AS DETERMINED BY USPS.
- STORM DRAINAGE
 - THE FOLLOWING STANDARD DETAILS SHALL BE USED FOR CONSTRUCTION OF STORM DRAIN IMPROVEMENTS:

"MAIN LINE" CATCH BASINS "RESIDENTIAL SERVICE LINE" CATCH BASINS THRU-CURB INLET FRAME AND GRATE SIDEWALK DRAINS	TYPE 1, 1L OR 2, WSDOT STD. DETAILS B-1, B-1A OR B-1E CITY OF FERNDAL STANDARD DETAIL (COFSD) ST-7 CITY OF FERNDAL STANDARD DETAIL (COFSD) ST-8 COFSD ST-15
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 - ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 7-08.3(1). THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL AND ANY REQUIRED PIPE BEDDING TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE. DRAINAGE MATERIALS SHALL CONFORM TO WSDOT STANDARD SPECIFICATIONS SECTION 9-05.
 - STORM SEWER PIPE HAVING DIAMETERS GREATER THAN 8" SHALL BE CORRUGATED POLYETHYLENE PIPE (CPEP) AND SHALL CONFORM TO WSDOT STANDARD SPECIFICATIONS, SECTION 9-05.20. STORM SEWER PIPE HAVING DIAMETERS 8" AND SMALLER SHALL BE POLYVINYL CHLORIDE (PVC) PIPE AND SHALL CONFORM TO WSDOT STANDARD SPECIFICATIONS, SECTION 9-05.12.
 - ALL CATCH BASIN GRATES SHALL INCLUDE THE STAMPING "OUTFALL TO STREAM, DUMP NO POLLUTANTS".
 - UNLESS OTHERWISE SPECIFIED, CAST IRON PRODUCTS SHALL CONFORM TO ASTM DESIGNATION "A 48 CLASS 30" AND DUCTILE IRON PRODUCTS TO ASTM DESIGNATION "A 536 GRADE 80-55-06".
 - ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK, SHALL HAVE SOLID LOCKING LIDS. ALL DRAINAGE STRUCTURES ASSOCIATED WITH A PERMANENT RETENTION/DETENTION FACILITY SHALL HAVE SOLID LOCKING LIDS.
 - ALL DRAINAGE SERVICE STUBS SHALL BE MARKED FOR LOCATION WITH A PRESSURE TREATED 2" X 4" TIMBER, PAINTED WHITE OR A WHITE 2" DIA. PVC PIPE. BOTH TYPES OF LOCATION MARKER SHALL BE CONNECTED TO THE SERVICE STUB BY A #12 COPPER WIRE.
 - MULTIPLE RESIDENTIAL STORM DRAIN SERVICES SHALL BE 6" PVC PIPE, DRAINING TO A COFSD ST-7 INLET. 8" PVC PIPE SHALL BE USED TO CONNECT EACH ST-7 INLET TO A NEARBY TYPE 1 OR TYPE 1L CATCH BASIN.
 - ALL STORM STUB INVERT ELEVATIONS SHALL BE CONSTRUCTED TO FACILITATE POSITIVE FLOW TO CATCH BASIN.

SANITARY SEWER

- THE FOLLOWING STANDARD DETAILS SHALL BE USED IN CONSTRUCTING SANITARY SEWER IMPROVEMENTS:

PIPE BEDDING TRENCH BACKFILL SS MANHOLE, TYPE 1-48" SMH RING & COVER, TYPE 2 SS CLEANOUTS SIDE SEWERS	CITY OF FERNDAL STANDARD DETAIL (COFSD) SS-1 COFSD SS-15 & SS-1 & WSDOT STD. SPEC. SEC. 9-03.12 COFSD SS-2 COFSD SS-9 (BOLT DOWN/WATERTIGHT) COFSD SS-5 COFSD SS-6, SS-8 & SS-13
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- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH A.P.W.A. STANDARD SPECIFICATIONS, 1996 EDITION, AND SHALL BE SUBJECT TO APPROVAL BY THE CITY OF FERNDAL.
- ALL WORK MUST BE INSPECTED TO THE SATISFACTION OF THE CITY OF FERNDAL. 24 HOUR NOTICE MUST BE GIVEN PRIOR TO STARTING WORK. TESTING OF THE SEWER SYSTEM AND ALL CONNECTIONS TO EXISTING MAINS SHALL BE DONE IN THE PRESENCE AND UNDER THE SUPERVISION OF A CITY OF FERNDAL REPRESENTATIVE.
- SANITARY SEWER MAINS SHALL BE A MINIMUM 8 INCH DIAMETER PVC PIPE (SDR-35) CONFORMING TO THE PROVISIONS OF ASTM D 3034 AND INSTALLED TO CITY SPECIFICATIONS.
- SANITARY SEWER PIPE BEDDING SHALL BE PEA GRAVEL PER COFSD SS-1. ALL TRENCHES SHALL BE BACKFILLED WITH CLASS B BANK RUN GRAVEL OR SUITABLE NATURAL MATERIAL AS DIRECTED BY THE ENGINEER, AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
- ALL MANHOLES SHALL BE INSTALLED PER CITY OF FERNDAL SS-2, SS-3 OR SS-4, AND SHALL BE BE PRE-CHANNELED. MANHOLE CONES ARE TO BE OFFSET SUCH THAT LADDER RUNGS ARE PARALLEL TO THE FLOW.
- ALL SIDE SEWERS SHALL BE INSTALLED PER CITY OF FERNDAL STANDARD DETAILS SS-6, SS-8 OR SS-13, EXCEPT THAT SINGLE SIDE SEWERS SHALL HAVE A MINIMUM DIAMETER OF 4".
- CONTRACTOR SHALL EXTEND SEWER STUBS BEYOND THE STREET RIGHT-OF-WAY LINE.
- EACH SIDE SEWER STUB SHALL BE CAPPED WITH A WATERTIGHT PLUG. EACH STUB SHALL BE MARKED FOR LOCATION PER COFSD SS-14, WITH A 2" DIA. PVC PIPE WITH THE TOP 18" PAINTED WHITE AND STENCILED WITH THE WORD "SEWER". THE LOCATION MARKER SHALL BE CONNECTED TO THE SERVICE STUB BY A #12 COPPER WIRE.

WATER

- THE FOLLOWING STANDARD DETAILS SHALL BE USED IN CONSTRUCTING WATER SUPPLY SYSTEM IMPROVEMENTS:

PIPE BEDDING TRENCH BACKFILL AIR/VACUUM RELEASE VALVE BLOW-OFF ASSEMBLY FIRE HYDRANT ASSEMBLY THRUST BLOCKING WATER SERVICE	SEE DETAIL, SHEET 27 COFSD W-11 & WSDOT STD. SPEC. SEC. 9-03.12 WSDOT STD. DETAIL B21-g COFSD W-9 & W-10 COFSD W-1 COFSD W-2, W-3 & W-4 COFSD W-5
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- ALL WATERMAIN PIPE SHALL BE DUCTILE IRON, MINIMUM CLASS 50, PER AWWA STANDARDS H3-71 AND C151-71, WITH CEMENT LINING PER AWWA STANDARD C104-71. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF FERNDAL DEVELOPMENT STANDARDS, SECTIONS 702 AND 705.
- MATERIAL FOR FITTINGS SUCH AS CROSSES, TEES, BENDS, REDUCERS AND SLEEVES SHALL BE DUCTILE IRON. JOINTS SHALL BE M.J. FLANGED OR PUSH-ON JOINTS AND SHALL CONFORM TO AWWA SPECIFICATIONS C-110-71 AND C-104-71.
- CONCRETE BLOCKING SHALL BE AS SPECIFIED IN CITY OF FERNDAL STANDARD DETAILS W-2, W-3 AND W-4, OR AS DIRECTED BY THE PROJECT ENGINEER. BLOCKS SHALL BE INSTALLED AS SPECIFIED IN SECTION 7-11.3(13) OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE OR MUNICIPAL CONSTRUCTION. NO PRE-CAST BLOCKS ARE ALLOWED.
- CONNECTIONS TO EXISTING WATER MAINS - PER WSDOT STD SPEC. 7-09.3(19), THE CONTRACTOR MUST NOTIFY THE CITY OF FERNDAL PUBLIC WORKS DIRECTOR OF A PROPOSED CONNECTION AT LEAST FOUR WORKING DAYS IN ADVANCE. ALL CONNECTIONS SHALL BE DONE BY THE CONTRACTOR. CONNECTION TO EXISTING CITY WATER SYSTEM SHALL BE PAID IN ADVANCE BY A DEPOSIT.
- ALL HYDROSTATIC TESTING AND DISINFECTION OF WATER MAINS SHALL CONFORM TO SECTIONS 7-09.3(23) AND AND 7-09.3(24) AND OF THE WSDOT STD SPECIFICATIONS FOR ROAD, BRIDGE OR MUNICIPAL CONSTRUCTION - CURRENT EDITION. HYDROSTATIC TEST PRESSURE FOR WATER MAIN ACCEPTANCE SHALL BE 225 PSI AND SHALL BE DONE ACCORDING TO CITY OF FERNDAL REQUIREMENTS. ALL DISINFECTION AND BACTERIOLOGICAL TESTS SHALL BE CONDUCTED BY THE CITY OF FERNDAL LABORATORY. THE PIPE WILL NOT PASS TESTING UNLESS A ZERO BACTERIAL COUNT IS MEASURED ON TWO CONSECUTIVE TESTS CONDUCTED 24 HOURS APART. WATERMAIN SEPARATION REQUIRED UNTIL PRESSURE AND BACTERIA TEST PASS. FINAL WATERMAIN CONNECTION BY CONTRACTOR AND WITNESSED BY CITY REPRESENTATIVE.
- BACKFILL SHALL BE GRAVEL BASE, CLASS B, IN ALL STREET RIGHTS-OF-WAY, COMPACTED TO MINIMUM 95% OPTIMUM DENSITY. IN UNIMPROVED AREAS, MINIMUM COMPACTION SHALL BE 90% OF OPTIMUM DENSITY.
- ALL PIPE SHALL HAVE A MINIMUM COVER OF 42".
- ALL VALVES SHALL BE EITHER GATE OR BUTTERFLY TYPE VALVES AND SHALL BE INSTALLED WITH SLIP TYPE CAST IRON VALVE BOXES.

GATE VALVES SHALL BE USED FOR LINES 2 INCHES THROUGH 8 INCHES IN DIAMETER. SHORT-BODY VALVES SUITABLE FOR A NONSHOCK SHUT-OFF PRESSURE OF 130 PSI AND SUITABLE FOR DIRECT BURIAL ARE SPECIFIED. GATE VALVES SHALL BE RESILIENT SEATED IRON-BODY, FULL-BRONZE MOUNTED VALVES CONFORMING TO AWWA C509 AND SUITABLE FOR SERVICE WITH THE TYPE AND CLASS OF PIPE USED.

ALL VALVES SHALL HAVE NONRISING STEMS AND SHALL OPEN COUNTERCLOCKWISE AND SHALL BE EQUIPPED WITH A 2 INCH SQUARE OPERATING NUT. VALVES WILL BE FLANGE OR M.J. JOINTS.

VALVE MARKERS SHALL BE LOCATED OUTSIDE OF PAVEMENT SECTIONS.
- WATER SERVICE TAP INSTALLATIONS SHALL MEET THE REQUIREMENTS OF THE CITY OF FERNDAL DEVELOPMENT STANDARDS. ALL WATER SERVICES SHALL BE MARKED FOR LOCATION WITH A METER BOX PER COFSD W-5.
- FIRE HYDRANTS AND FIRE MAINS MUST CONFORM TO COF STANDARD DETAIL W-1 (WSDOT B-19) AND THE FOLLOWING STANDARDS:
 - FIRE HYDRANTS SHALL HAVE TWO INDIVIDUALLY-VALVED 2-1/2" PORTS AND ONE 5-1/4" MAIN VALVE OPENING. A 4-1/2" NST PUMPER NOZZLE AND A 5" STORZ PORT WITH CAP AND CABLE SHALL BE SUPPLIED. HYDRANTS SHALL EITHER BE IOWA OR M.H. 929T HYDRANTS.
 - FIRE HYDRANTS SHALL HAVE THE STORZ PORT FACING THE REQUIRED ACCESS AND THE BASE FLANGE OF THE HYDRANT MUST NOT VARY MORE THAN 1 FOOT IN ELEVATION FROM THE GRADE LEVEL OF THE REQUIRED ACCESS. THE LOWEST STEM SHALL BE A MINIMUM OF 14" ABOVE THE GROUND. HYDRANTS PAINTED FACTORY YELLOW MAY NOT REQUIRE ADDITION PAINTING.
 - IF THE PUBLIC WORKS DIRECTOR DETERMINES THAT FIRE HYDRANTS ARE VULNERABLE TO VEHICULAR DAMAGE, APPROPRIATE CRASH POSTS SHALL BE PROVIDED. NO OBSTRUCTIONS SHALL EXIST WITHIN A 3-FOOT WORKING AREA OF EACH REQUIRED ACCESS. CRASH POSTS SHALL BE 4" CEMENT-FILLED PIPE A MIN. OF 3' IN HEIGHT WITH A MIN. OF 2' OF PIPE BELOW GRADE. HYDRANT SHUTOFF VALVES SHALL BE LOCATED BETWEEN 5' AND 20' FROM THE HYDRANT.
 - UNDERGROUND SUPPLIES TO FIRE HYDRANTS MUST BE INSPECTED. SUCH INSPECTION SHALL INCLUDE VISUAL INSPECTION OF PIPING AND HYDROSTATIC PRESSURE TESTING TO A MIN. OF 225 PSI OR 50 PSI IN EXCESS OF STREET MAIN PRESSURE, WHICHEVER IS GREATER. A FLOW TEST WILL BE REQUIRED WHEN INSTALLATION IS COMPLETE.
 - FIRE HYDRANTS MUST BE MAINTAINED IN AN OPERABLE CONDITION AT ALL TIMES AND MUST BE REPAIRED OR REPLACED WHEN DEFECTIVE. HYDRANTS SHALL BE FULLY OPERABLE BEFORE CONSTRUCTION COMMENCES ABOVE GRADE LEVEL.

CITY OF FERNDAL CONSTRUCTION NOTES

DRAWN BY: SR DATE: 03/15/05

CHECKED BY: DATE:

JOB # 04506

WOODSIDE VILLAS LONG PLAT

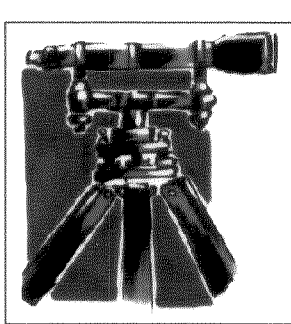
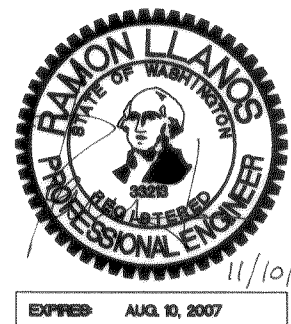
FOR: TORKILD CORPORATION

RECORD DRAWINGS PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN WOODSIDE VILLAS HAVE BEEN INSPECTED BY ME AND CONFORM TO THE CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR ROAD DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDAL, DEPARTMENT OF PUBLIC WORKS."

[Signature]
RANDON LLANOS, PE

11/10/05
DATE



LDES, INC.
1350 SLATER RD. SUITE 9
FERNDAL, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

WOODSIDE VILLAS LONG PLAT
GENERAL NOTES

APPROVED

FEB 01 2006

BY *[Signature]*
CITY OF FERNDAL

SHEET

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