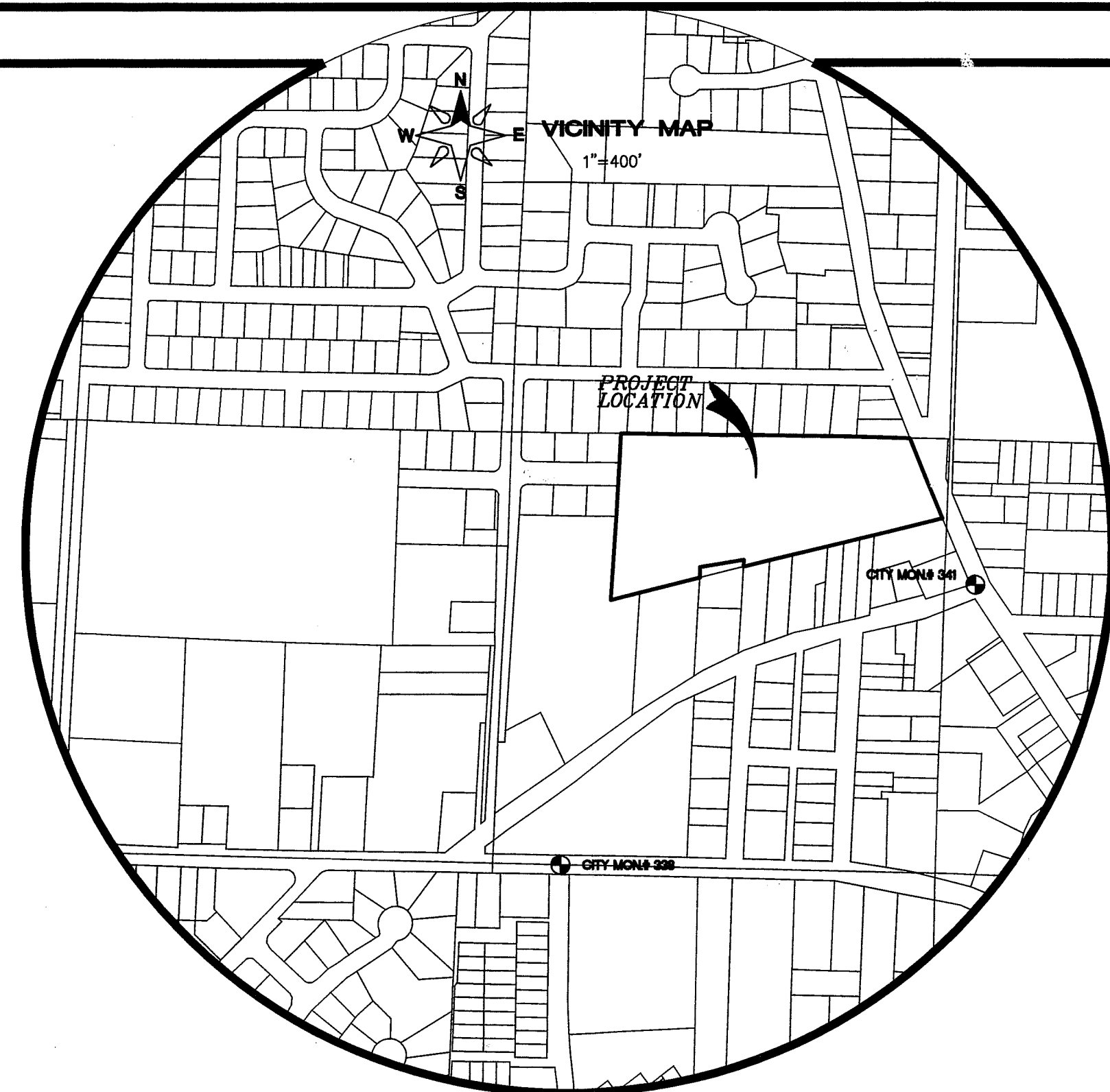


A PORTION OF THE SOUTHEAST QUARTER, SECTION 19, T39N, R2E, W.M.

# VISTA MEADOWS LONG PLAT PHASE 1 AS-BUILT

00544.00 1/21/13 SH



1. COVER SHEET
2. EXISTING CONDITIONS
3. SUBDIVISION PLAN
4. EROSION CONTROL PLAN
5. CLEARING AND GRUBBING & GRADING PLAN
6. STREET & STORM DRAINAGE PLAN & PROFILE: SIDDLE DRIVE
7. STORM DRAINAGE PLAN & PROFILE: OVERFLOW THIRSTY DUCK AND ROAD CROSS SECTIONS
8. ROOF AND YARD DRAIN
9. STORM WATER DETENTION
10. STREET AND STORM DRAINAGE CONSTRUCTION DETAILS
11. STREET AND STORM DRAINAGE CONSTRUCTION DETAILS
12. SANITARY SEWER PLAN & PROFILE: SIDDLE DRIVE
13. SANITARY SEWER PLAN & PROFILE: LOWER LOTS
14. SANITARY SEWER CONSTRUCTION DETAILS
15. WATER PLAN AND PROFILE: SIDDLE DRIVE
16. WATER CONSTRUCTION DETAILS
17. COMMON UTILITY, LANDSCAPING AND STREET SIGNAGE PLAN
18. COMPOSITE UTILITY PLAN
19. CITY OF FERNDALE CONSTRUCTION NOTES

## LEGEND

	= EXIST SANITARY SEWER MANHOLE		= STORM DRAIN CATCH BASIN
	= EXIST FIRE HYDRANT		= STORM DRAIN CONTROL STRUCTURE
	= EXIST WA METER BOX		= STORM DRAIN LINE
	= EXIST WATER VALVE		= WATER LINE
	= EXIST SD CATCH BASIN		= WATER SERVICE
	= EXIST POWER POLE		= WATER HYDRANT
	= EXIST STREET SIGN		= GATE VALVE
	= EXIST ASPHALT		= SAN. SEWER LINE
	= EXIST GRAVEL DRIVEWAY		= SANITARY SEWER SERVICE
	= EXIST SANITARY SEWER LINE		= SEWER CLEANOUT
	= EXIST STORM DRAIN LINE		= SEWER MANHOLE
	= EXIST CONTOUR (INDEX)		= 1' CONTOUR
	= EXIST CONTOUR (NORMAL)		= 5' CONTOUR
	= EXIST CULVERT		= BUILDING ENVELOPE
	= EXIST DITCHLINE		= ASPHALT ROAD
	= EXIST ROAD EDGE OF PAVEMENT		= CONC. SIDEWALK
	= EXIST SURVEY BOUNDARY LINE		= LANDSCAPE BUFFER
	= EXIST EASEMENT LINE		= DRIVEWAY
	= EXIST POWER LINE		= EASEMENT LINE
	= EXIST GAS MAIN		= POWER LINE
	= EXIST WATER LINE		= STREET LIGHT
	= EXIST MAIL BOX		= RETAINING WALL
	= EXIST STREET SIGN		= SILT FENCE
	= EXIST LANDSCAPE		= MAIL BOXES

LIGHT TEXT = DESIGN INFORMATION  
BOLD TEXT = AS-BUILT INFORMATION

**ENGINEER'S CERTIFICATION**  
I HEREBY CERTIFY THAT THE IMPROVEMENTS IN VISTA MEADOWS HAVE BEEN INSPECTED BY LDES AND TO THE BEST OF MY KNOWLEDGE, HAVE BEEN CONSTRUCTED IN CONFORMANCE WITH THE CITY OF FERNDALE DEVELOPMENT STANDARDS, THE CITY OF FERNDALE MUNICIPAL CODE, SUBSEQUENT STANDARDS ADOPTED BY REFERENCE THEREIN, AND STANDARD ENGINEERING PRACTICE.

*Ramon Llanos* 6/21/11  
RAMON LLANOS, P.E.



**SURVEYOR'S CERTIFICATION**  
I CERTIFY THAT THE LOCATIONS, ELEVATIONS, DEPTHS, AND AS-BUILT COMMENTS REFLECTING MATERIALS ACTUALLY USED DURING CONSTRUCTION ACCURATELY REFLECT EXISTING FIELD CONDITIONS AS DETERMINED BY ME OR UNDER MY DIRECT SUPERVISION ON THIS DATE.

*Kyle Haggith* 6/21/11  
KYLE HAGGITH, P.L.S.



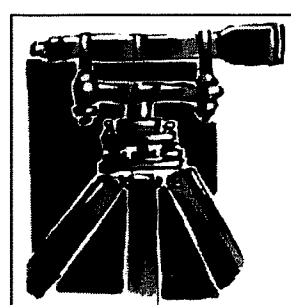
APPROVED  
JAN 10 2012  
BY: *J. Haggith* P.E.  
CITY OF FERNDALE

DRAWN BY MF DATE 06/21/11  
CHECKED BY RL DATE 06/21/11

### VISTA MEADOWS LONG PLAT

JOB # 04603

FOR: DAVID BRAITHWAITE



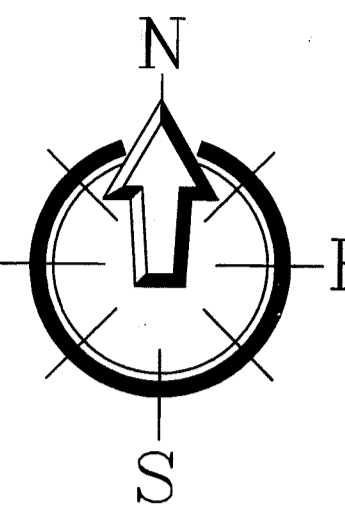
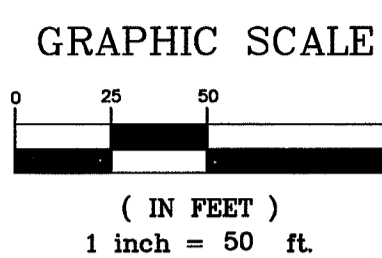
LDES, INC.  
5160 INDUSTRIAL PL #108  
FERNDALE, WA 98248  
PHONE 360-383-0620  
FAX 360-383-0639

### VISTA MEADOWS LONG PLAT COVER SHEET AS-BUILT

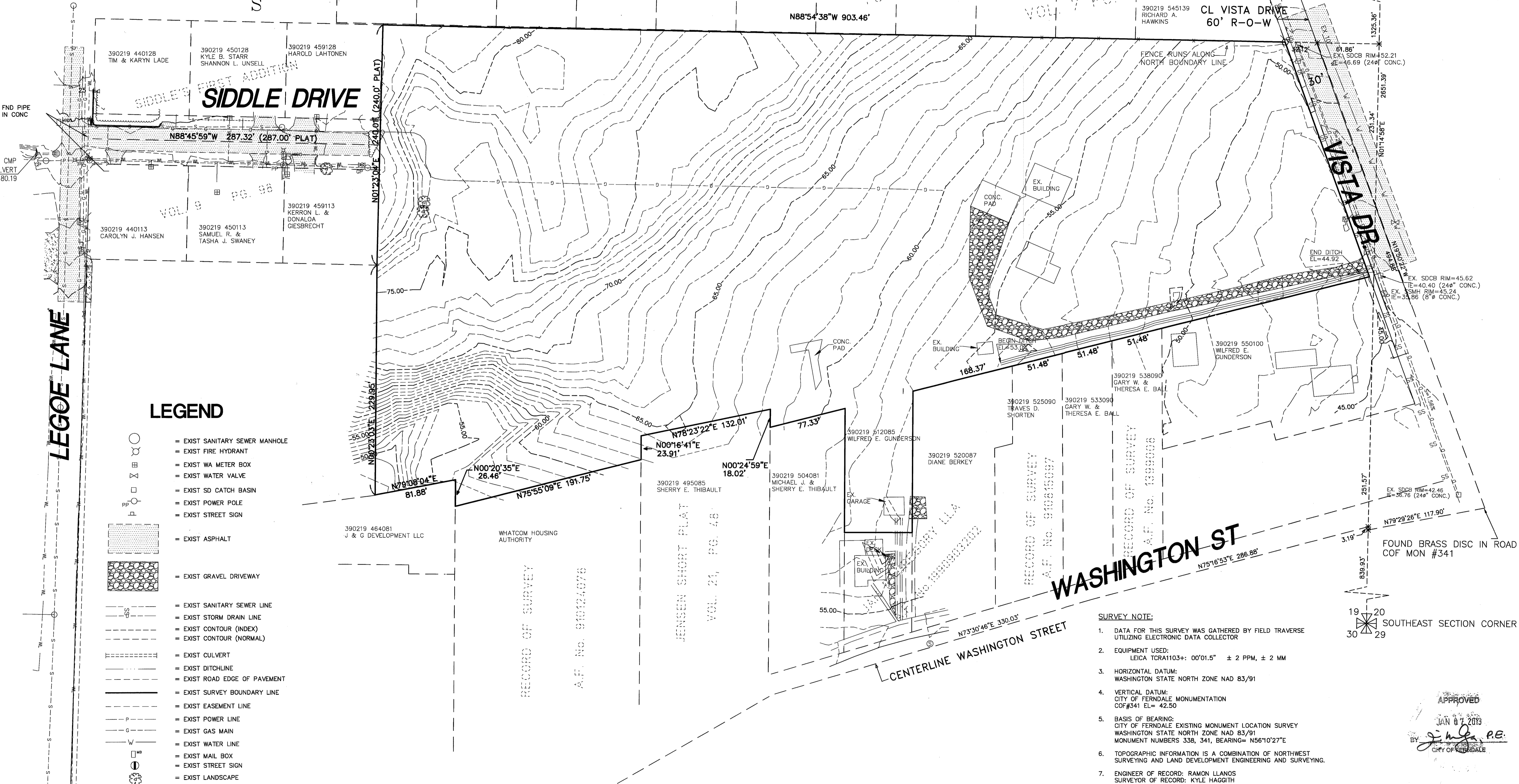
REVISIONS - INITIALS/DATE/COMMENTS	
SR	5/6/2011 SUBMITTAL #1
MP	6/13/2011 SUBMITTAL #2
MP	6/21/2011 SUBMITTAL #3

SHEET  
**1**  
OF  
19

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



390219 464140 MARY ALVARADO  
 390219 471140 JOSEPH A. & MELISSA D. WELCH  
 390219 479140 THERESA A. GRAVES  
 390219 487140 SHAWN & FLORENCE MASON  
 390219 494140 CRAIG A. CONLEY  
 390219 502140 WILLIAM E. & JUDITH STEG  
 390219 511140 GEORGE D. & BILLIE L. DOOLEY  
 390219 518140 SHANE & JENIFFER WILLIS  
 390219 526140 ERNEST & HELGA BELNER  
 390219 534139 LEANORD J. & DAVID J. BALICKI



LEGEND

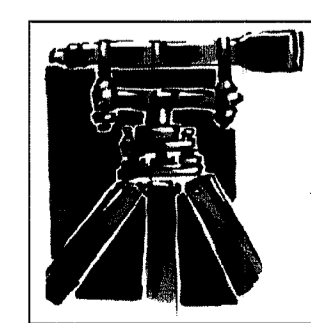
- = EXIST SANITARY SEWER MANHOLE
- = EXIST FIRE HYDRANT
- = EXIST WA METER BOX
- = EXIST WATER VALVE
- = EXIST SD CATCH BASIN
- = EXIST POWER POLE
- = EXIST STREET SIGN
- = EXIST ASPHALT
- = EXIST GRAVEL DRIVEWAY
- = EXIST SANITARY SEWER LINE
- = EXIST STORM DRAIN LINE
- = EXIST CONTOUR (INDEX)
- = EXIST CONTOUR (NORMAL)
- = EXIST CULVERT
- = EXIST DITCHLINE
- = EXIST ROAD EDGE OF PAVEMENT
- = EXIST SURVEY BOUNDARY LINE
- = EXIST EASEMENT LINE
- = EXIST POWER LINE
- = EXIST GAS MAIN
- = EXIST WATER LINE
- = EXIST MAIL BOX
- = EXIST STREET SIGN
- = EXIST LANDSCAPE

- SURVEY NOTE:**
- DATA FOR THIS SURVEY WAS GATHERED BY FIELD TRAVERSE UTILIZING ELECTRONIC DATA COLLECTOR
  - EQUIPMENT USED:  
LEICA TCR1103+: 00'01.5" ± 2 PPM, ± 2 MM
  - HORIZONTAL DATUM:  
WASHINGTON STATE NORTH ZONE NAD 83/91
  - VERTICAL DATUM:  
CITY OF FERNDALE MONUMENTATION COF#341 EL= 42.50
  - BASIS OF BEARING:  
CITY OF FERNDALE EXISTING MONUMENT LOCATION SURVEY WASHINGTON STATE NORTH ZONE NAD 83/91 MONUMENT NUMBERS 338, 341, BEARING= N56°10'27"E
  - TOPOGRAPHIC INFORMATION IS A COMBINATION OF NORTHWEST SURVEYING AND LAND DEVELOPMENT ENGINEERING AND SURVEYING.
  - ENGINEER OF RECORD: RAMON LLANOS  
SURVEYOR OF RECORD: KYLE HAGGITH

APPROVED  
 JAN 07 2013  
 Kyle Haggith, P.E.  
 CITY OF FERNDALE

DRAWN BY MF DATE 08/21/11  
 CHECKED BY RL DATE 08/21/11  
 JOB # 04603

**VISTA MEADOWS LONG PLAT**  
 FOR: DAVID BRAITHWAITE

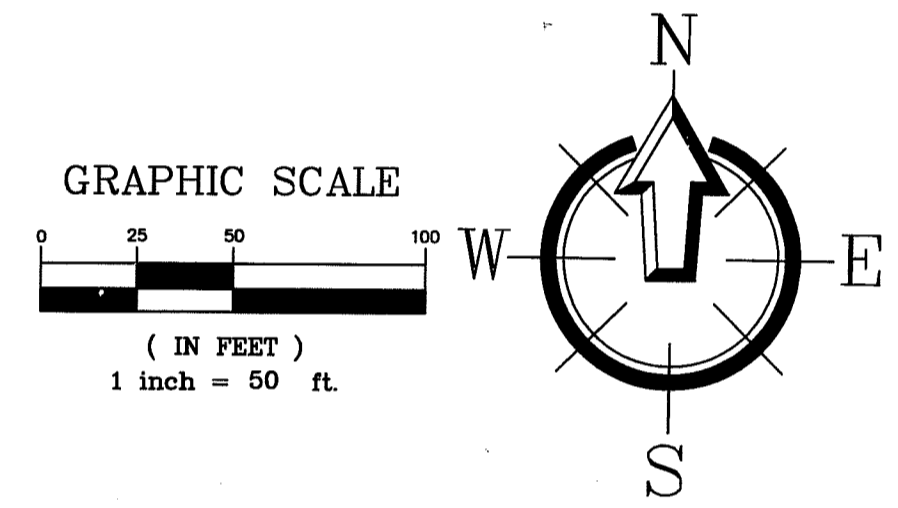
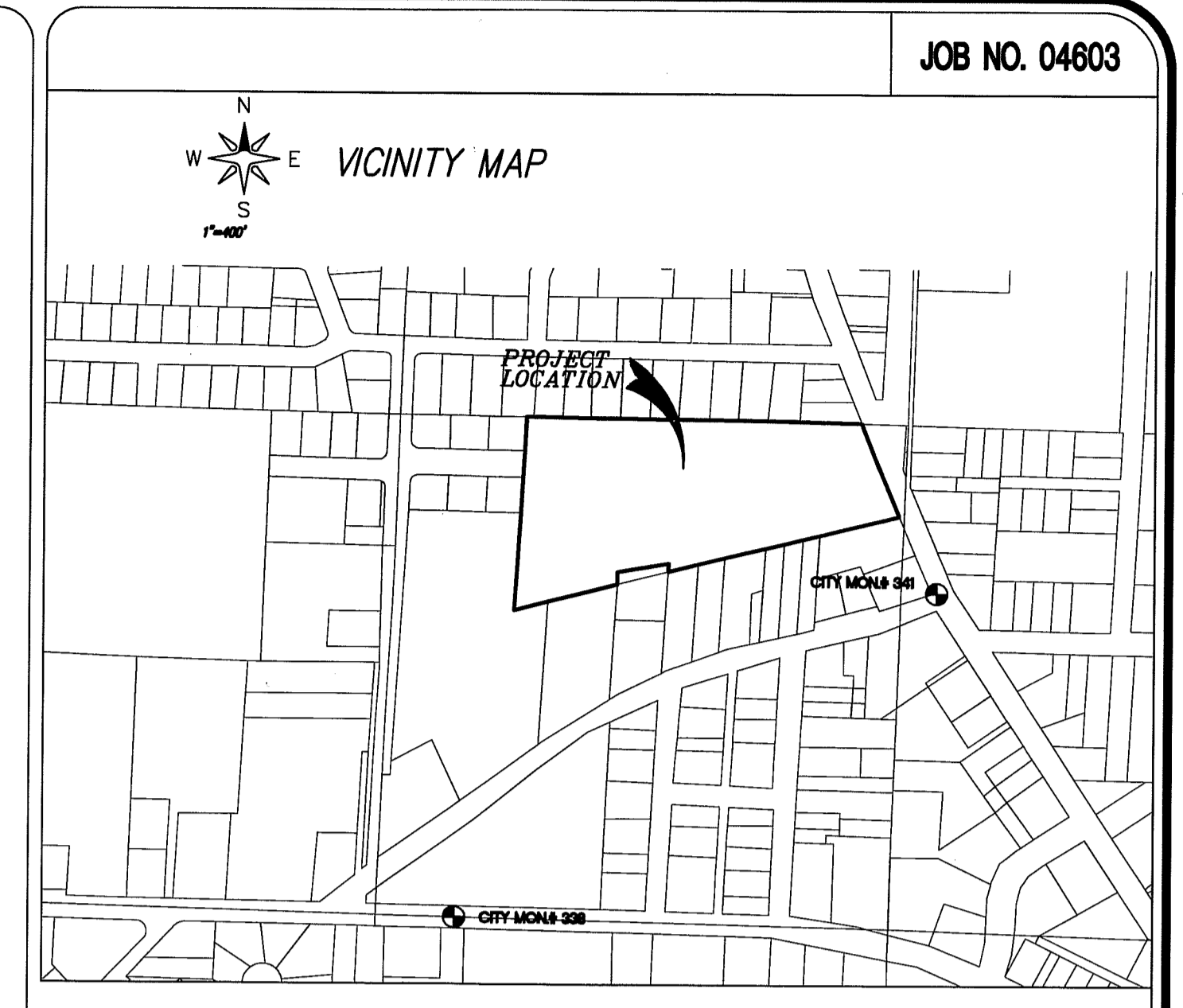
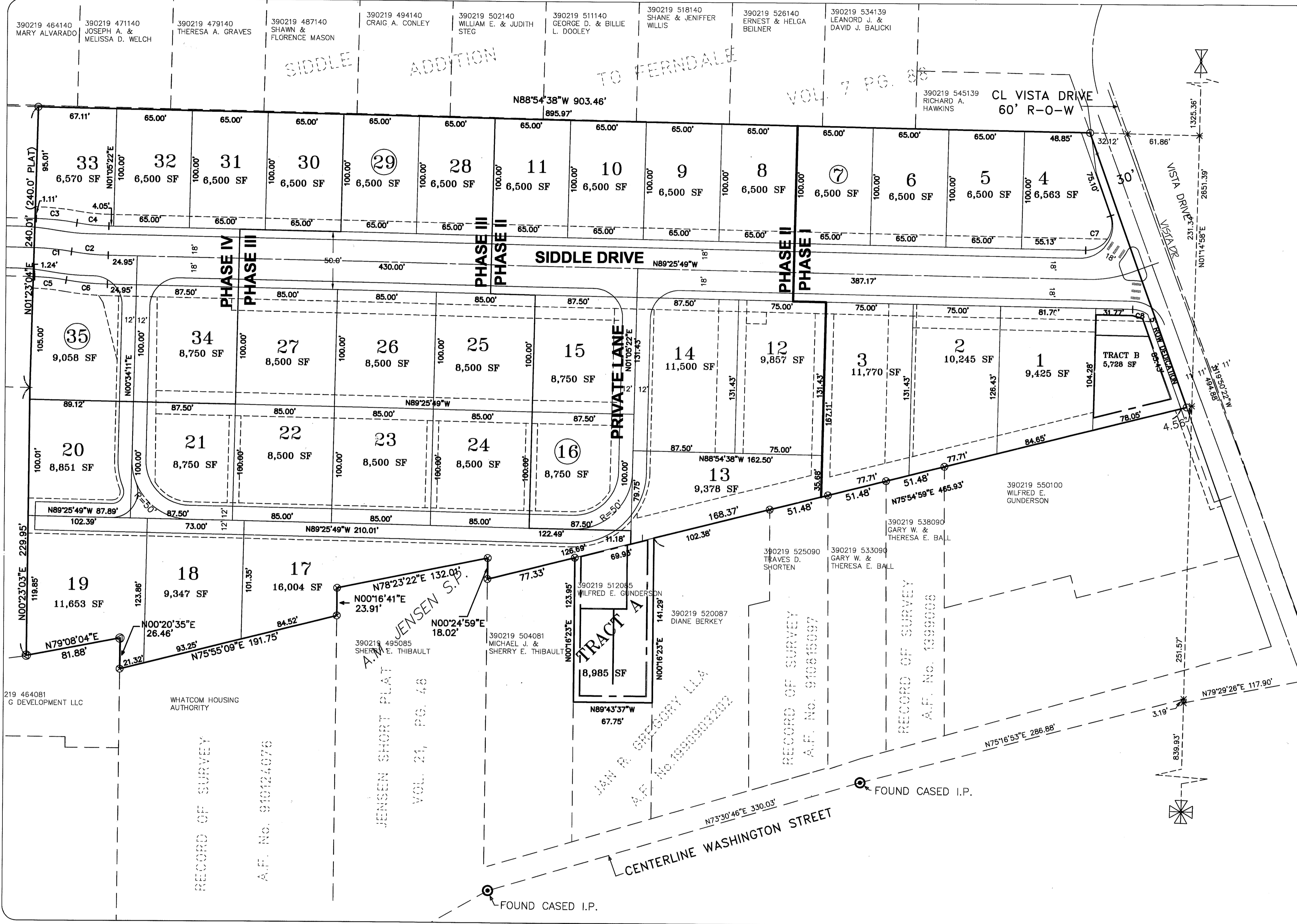


LDES, INC.  
 5160 INDUSTRIAL PL #108  
 FERNDALE, WA 98248  
 PHONE 360-383-0620  
 FAX 360-383-0639

**VISTA MEADOWS LONG PLAT**  
 EXISTING CONDITIONS  
 AS-BUILT

SHEET  
**2**  
 OF 19

00544-002 1/21/13 SH



LEGEND

- = PROPOSED BUILDING ENVELOPE
- = PROPOSED ASPHALT ROAD
- = PROPOSED CONC. SIDEWALK

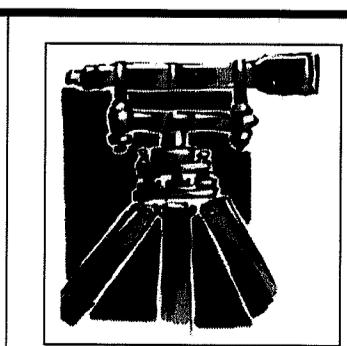
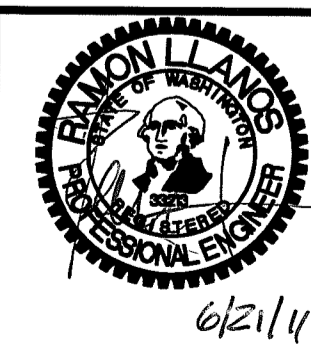
CURVE	LENGTH	RADIUS	DELTA
C1	31.13'	200.00'	8°55'08"
C2	31.64'	225.00'	8°55'08"
C3	35.02'	200.00'	8°01'43"
C4	27.68'	175.00'	9°03'47"
C5	27.24'	175.00'	8°55'08"
C6	35.59'	225.00'	9°03'47"
C7	42.59'	22.00'	
C8	13.87'	23.0'	

NOTE 1:  
THE CITY SHALL NOT BE RESPONSIBLE FOR COSTS ASSOCIATED WITH RESTORATION OF ANY STRUCTURE OR LANDSCAPING LOCATED WITHIN THE SANITARY SEWER EASEMENT LOCATED OUTSIDE THE CITY RIGHT OF WAY OTHER THAN BACKFILLING AND EXCAVATION REQUIRED TO MAKE REPAIRS AND/OR MAINTAIN THE SEWER MAIN.

APPROVED  
JAN 07 2013  
BY: *J. H. G.* PE.  
CITY OF FERNDALE

DRAWN BY MF DATE 06/21/11  
CHECKED BY RL DATE 06/21/11  
JOB # 04603

**VISTA MEADOWS LONG PLAT**  
FOR: **DAVID BRAITHWAITE**



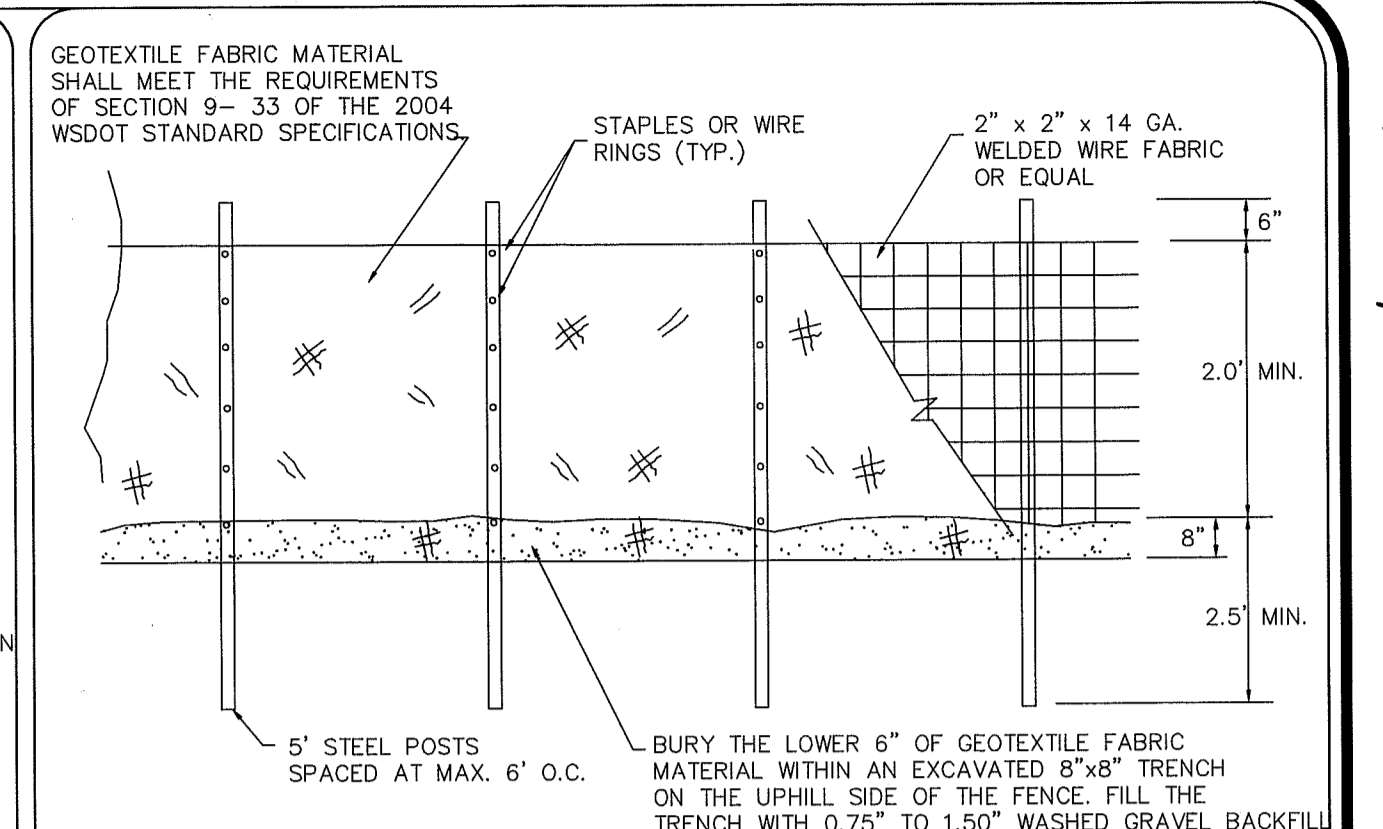
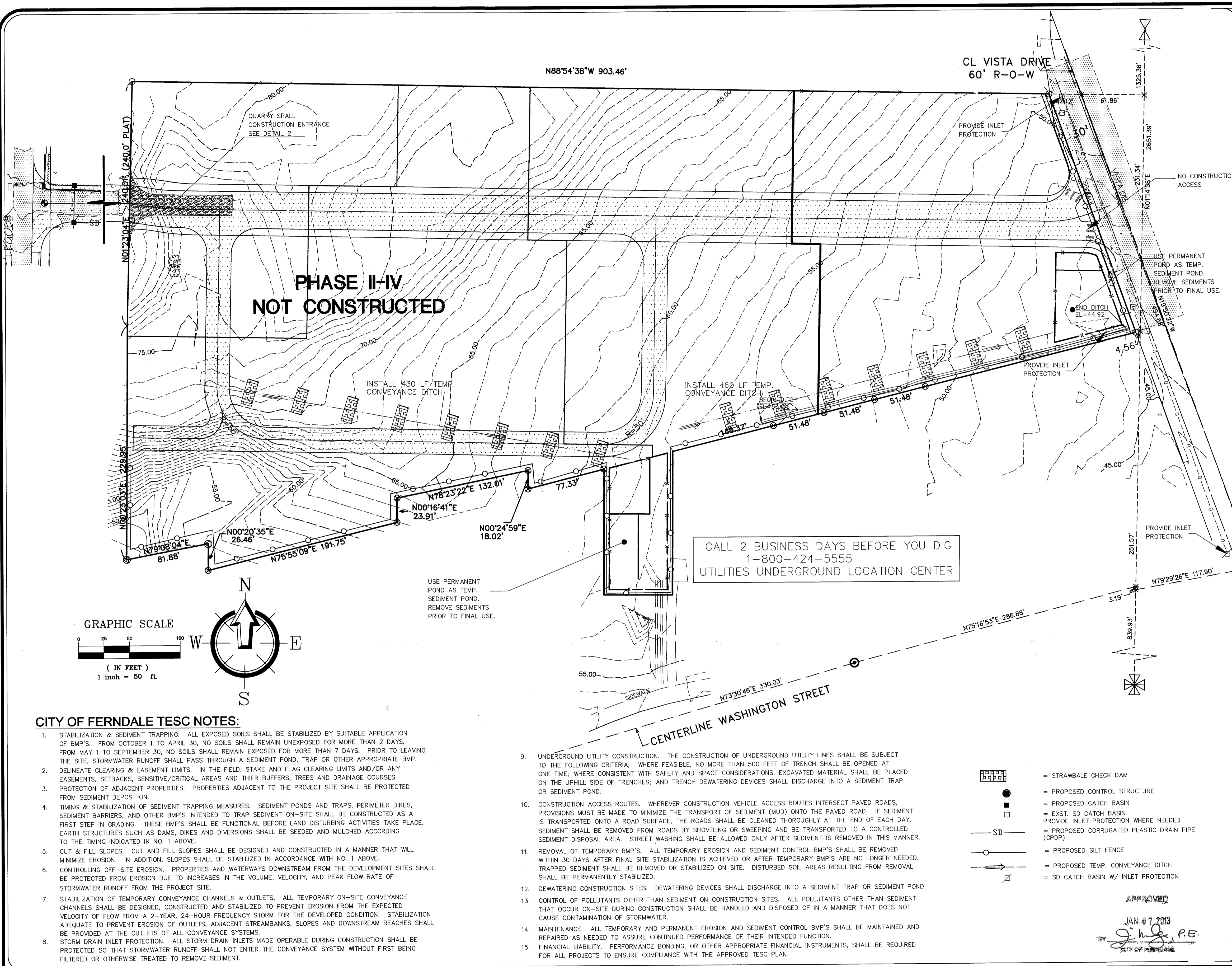
**LDES, INC.**  
5160 INDUSTRIAL PL #108  
FERNDALE, WA 98248  
PHONE 360-383-0620  
FAX 360-383-0639

**VISTA MEADOWS LONG PLAT**  
SUBDIVISION PLAN  
AS-BUILT

SHEET  
**3**  
OF  
19

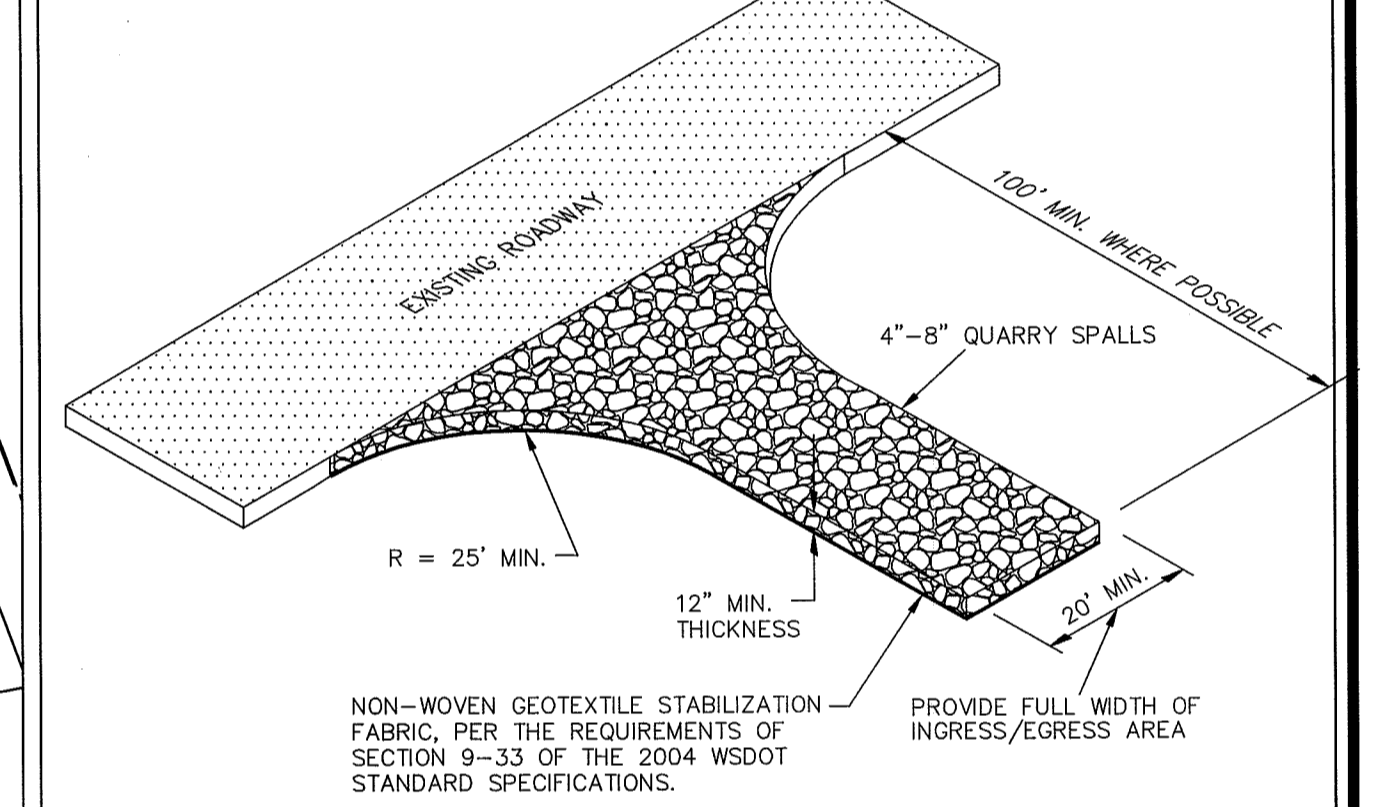
SHEET 12/21/13 003 14:300

AS 11/21/11 100-H-ES00



- GENERAL NOTES:**
- ANY DAMAGE TO FENCING SHALL BE REPAIRED IMMEDIATELY.
  - IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEN THE WATER MUST BE INTERCEPTED AND CONVEYED TO A FULLY-FUNCTIONING SEDIMENT TRAP, POND, OR CONVEYANCE SYSTEM.
  - IT IS IMPORTANT TO PERIODICALLY CHECK THE UPHILL SIDE OF FENCING FOR SIGNS OF CLOGGING. IF CLOGGING OCCURS, THE FENCE WILL ACT AS A BARRIER TO FLOW AND WILL CAUSE CHANNELIZATION PARALLEL TO THE FENCE. TO REMEDY THIS, THE CONTRACTOR SHALL REPLACE THE FENCE AND/OR REMOVE THE TRAPPED SEDIMENT.
  - SILT FENCING SHALL BE CONSTRUCTED DIRECTLY AFTER CLEARING AND GRUBBING IS COMPLETE. THE FENCE SHALL ONLY BE REMOVED WHEN CONSTRUCTION OF UTILITIES DEEMS IT ABSOLUTELY NECESSARY. IMMEDIATELY AFTER UTILITIES ARE IN-PLACE, THE SILT FENCING SHALL BE RECONSTRUCTED.

① **SILT FENCE DETAIL (BASED ON FERNDAL ST-10)**  
not to scale



- GENERAL NOTES:**
- IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO SURROUNDING FACILITIES, THEN ALTERNATIVE MEASURES TO KEEP THE FACILITIES FREE OF SEDIMENT SHALL BE USED. THIS MAY INCLUDE STREET SWEEPING OR UPSIZING THE DIMENSIONS OF THE ENTRANCE.
  - ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED IMMEDIATELY BY SWEEPING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED OR STABILIZED ON-SITE. THE PAVEMENT SHALL NOT BE CLEANED BY WASHING, EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC SAFETY. IF IT IS NECESSARY TO WASH PAVEMENT, A SMALL SUMP OR POND SHALL BE CONSTRUCTED AND THE SEDIMENT SHALL BE CONVEYED INTO THE SUMP OR POND.

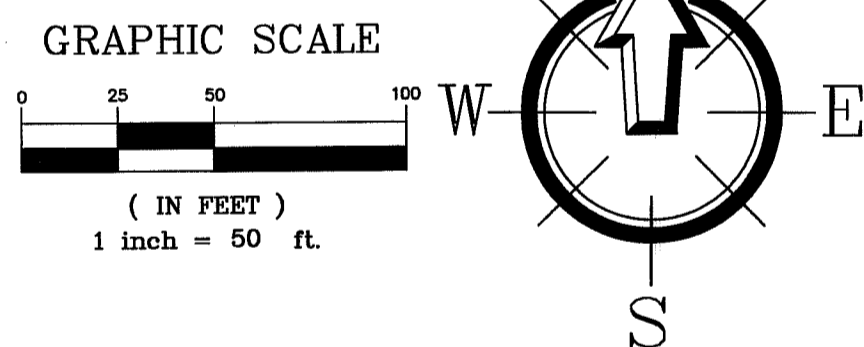
② **QUARRY SPALL CONSTRUCTION ENTRANCE DETAIL**  
not to scale

**EROSION AND SEDIMENT CONTROL GENERAL NOTES:**

- EROSION CONTROL METHODS AND MATERIALS SHALL MEET THE REQUIREMENTS OF SECTION 8-01 OF THE 2006 WSDOT/APWA STANDARD SPECIFICATIONS, THE REQUIREMENTS SET FORTH IN VOLUME II OF THE "STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON" BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY, CURRENT EDITION, THE CITY OF FERNDALE DEVELOPMENT STANDARDS, THE PROJECT SWPPP AND THIS PLAN, WITH THE MOST EFFECTIVE REQUIREMENTS TAKING PRECEDENCE. THE CONTRACTOR SHALL FOLLOW RECOMMENDATIONS MADE BY SUPPLIERS AND MANUFACTURERS FOR ALL MATERIALS AND EQUIPMENT USED.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT SILTY STORMWATER FROM EXITING THE SITE. IF SILT LADEN STORMWATER EXITS THE SITE, THE ENGINEER SHALL STOP WORK ON THE JOB. IT IS THE CONTRACTOR'S RESPONSIBILITY TO WORK WITH THE PROJECT ENGINEER OR LOCAL JURISDICTION TO COORDINATE FURTHER EROSION CONTROL MEASURES, NOT SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN, THAT MAY BE NECESSARY TO CONTROL SITE RUNOFF.
- THE EXISTING AND PROPOSED STORM SYSTEMS SHALL BE CLEANED AND MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL ALL ON-SITE SOILS HAVE BEEN STABILIZED.
- AT THE END OF ALL SITE CONSTRUCTION, THE CONTRACTOR SHALL FLUSH OUT ALL DEBRIS FROM THE STORM SYSTEM INSTALLED ON-SITE. MATERIAL FLUSHED FROM THE STORM SYSTEM SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN APPROVED DISPOSAL SITE. FLUSHING OPERATION SHALL BE PERFORMED USING A VACTOR TRUCK.

**CITY OF FERNDALE TESC NOTES:**

- STABILIZATION & SEDIMENT TRAPPING. ALL EXPOSED SOILS SHALL BE STABILIZED BY SUITABLE APPLICATION OF BMP'S. FROM OCTOBER 1 TO APRIL 30, NO SOILS SHALL REMAIN UNEXPOSED FOR MORE THAN 2 DAYS. FROM MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN EXPOSED FOR MORE THAN 7 DAYS. PRIOR TO LEAVING THE SITE, STORMWATER RUNOFF SHALL PASS THROUGH A SEDIMENT POND, TRAP OR OTHER APPROPRIATE BMP.
- DELINEATE CLEARING & EASEMENT LIMITS. IN THE FIELD, STAKE AND FLAG CLEARING LIMITS AND/OR ANY EASEMENTS, SETBACKS, SENSITIVE/CRITICAL AREAS AND THEIR BUFFERS, TREES AND DRAINAGE COURSES.
- PROTECTION OF ADJACENT PROPERTIES. PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION.
- TIMING & STABILIZATION OF SEDIMENT TRAPPING MEASURES. SEDIMENT PONDS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS, AND OTHER BMP'S INTENDED TO TRAP SEDIMENT ON-SITE SHALL BE CONSTRUCTED AS A FIRST STEP IN GRADING. THESE BMP'S SHALL BE FUNCTIONAL BEFORE LAND DISTURBING ACTIVITIES TAKE PLACE. EARTH STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS SHALL BE SEEDED AND MULCHED ACCORDING TO THE TIMING INDICATED IN NO. 1 ABOVE.
- CUT & FILL SLOPES. CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. IN ADDITION, SLOPES SHALL BE STABILIZED IN ACCORDANCE WITH NO. 1 ABOVE.
- CONTROLLING OFF-SITE EROSION. PROPERTIES AND WATERWAYS DOWNSTREAM FROM THE DEVELOPED SITES SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY, AND PEAK FLOW RATE OF STORMWATER RUNOFF FROM THE PROJECT SITE.
- STABILIZATION OF TEMPORARY CONVEYANCE CHANNELS & OUTLETS. ALL TEMPORARY ON-SITE CONVEYANCE CHANNELS SHALL BE DESIGNED, CONSTRUCTED AND STABILIZED TO PREVENT EROSION FROM THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR, 24-HOUR FREQUENCY STORM FOR THE DEVELOPED CONDITION. STABILIZATION ADEQUATE TO PREVENT EROSION OF OUTLETS, ADJACENT STREAMBANKS, SLOPES AND DOWNSTREAM REACHES SHALL BE PROVIDED AT THE OUTLETS OF ALL CONVEYANCE SYSTEMS.
- STORM DRAIN INLET PROTECTION. ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT STORMWATER RUNOFF SHALL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- UNDERGROUND UTILITY CONSTRUCTION. THE CONSTRUCTION OF UNDERGROUND UTILITY LINES SHALL BE SUBJECT TO THE FOLLOWING CRITERIA; WHERE FEASIBLE, 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 TRENCHES; AND TRENCH DEWATERING DEVICES SHALL DISCHARGE INTO A SEDIMENT TRAP OR SEDIMENT POND.
- CONSTRUCTION ACCESS ROUTES. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED ROADS, PROVISIONS MUST BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) ONTO THE PAVED ROAD. IF SEDIMENT IS TRANSPORTED ONTO A ROAD SURFACE, THE ROADS SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.
- REMOVAL OF TEMPORARY BMP'S. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMP'S SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
- DEWATERING CONSTRUCTION SITES. DEWATERING DEVICES SHALL DISCHARGE INTO A SEDIMENT TRAP OR SEDIMENT POND.
- CONTROL OF POLLUTANTS OTHER THAN SEDIMENT ON CONSTRUCTION SITES. ALL POLLUTANTS OTHER THAN SEDIMENT THAT OCCUR ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER.
- MAINTENANCE. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMP'S SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
- FINANCIAL LIABILITY. PERFORMANCE BONDING, OR OTHER APPROPRIATE FINANCIAL INSTRUMENTS, SHALL BE REQUIRED FOR ALL PROJECTS TO ENSURE COMPLIANCE WITH THE APPROVED TESC PLAN.

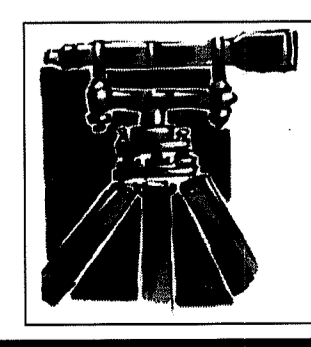


- = STRAWBALE CHECK DAM
- = PROPOSED CONTROL STRUCTURE
- = PROPOSED CATCH BASIN
- = EXST. SD CATCH BASIN
- = PROPOSED INLET PROTECTION WHERE NEEDED
- = PROPOSED CORRUGATED PLASTIC DRAIN PIPE (CPDP)
- = PROPOSED SILT FENCE
- = PROPOSED TEMP. CONVEYANCE DITCH
- = SD CATCH BASIN W/ INLET PROTECTION

APPROVED  
 JAN 07 2013  
 BY *J. H. P.E.*  
 CITY OF FERNDALE

DRAWN BY MF DATE 08/21/11  
 CHECKED BY RL DATE 08/21/11  
 JOB # 04603

**VISTA MEADOWS LONG PLAT**  
 FOR: DAVID BRAITHWAITE

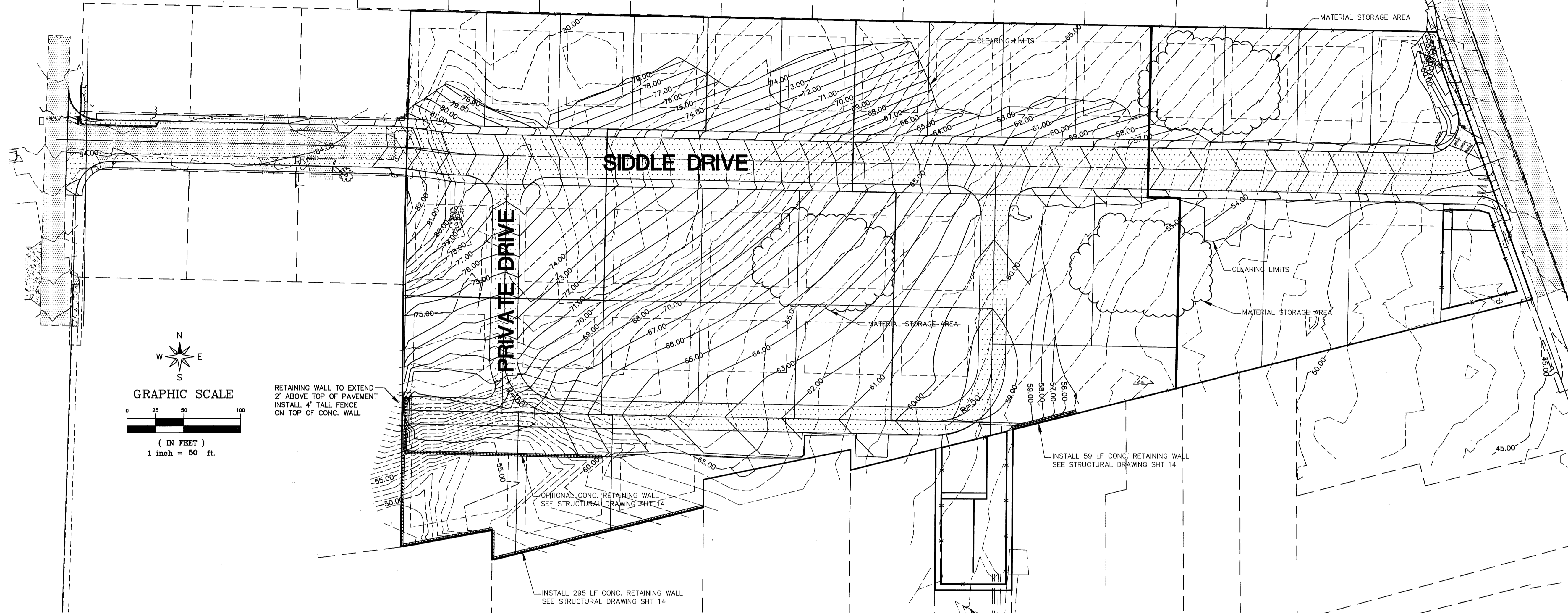


LDES, INC.  
 5160 INDUSTRIAL PL #108  
 FERNDAL, WA 98248  
 PHONE 360-383-0620  
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**VISTA MEADOWS LONG PLAT**  
**EROSION CONTROL**  
**AS-BUILT**

SHEET  
**4**  
 OF 19

00544.005 1/24/12 SH

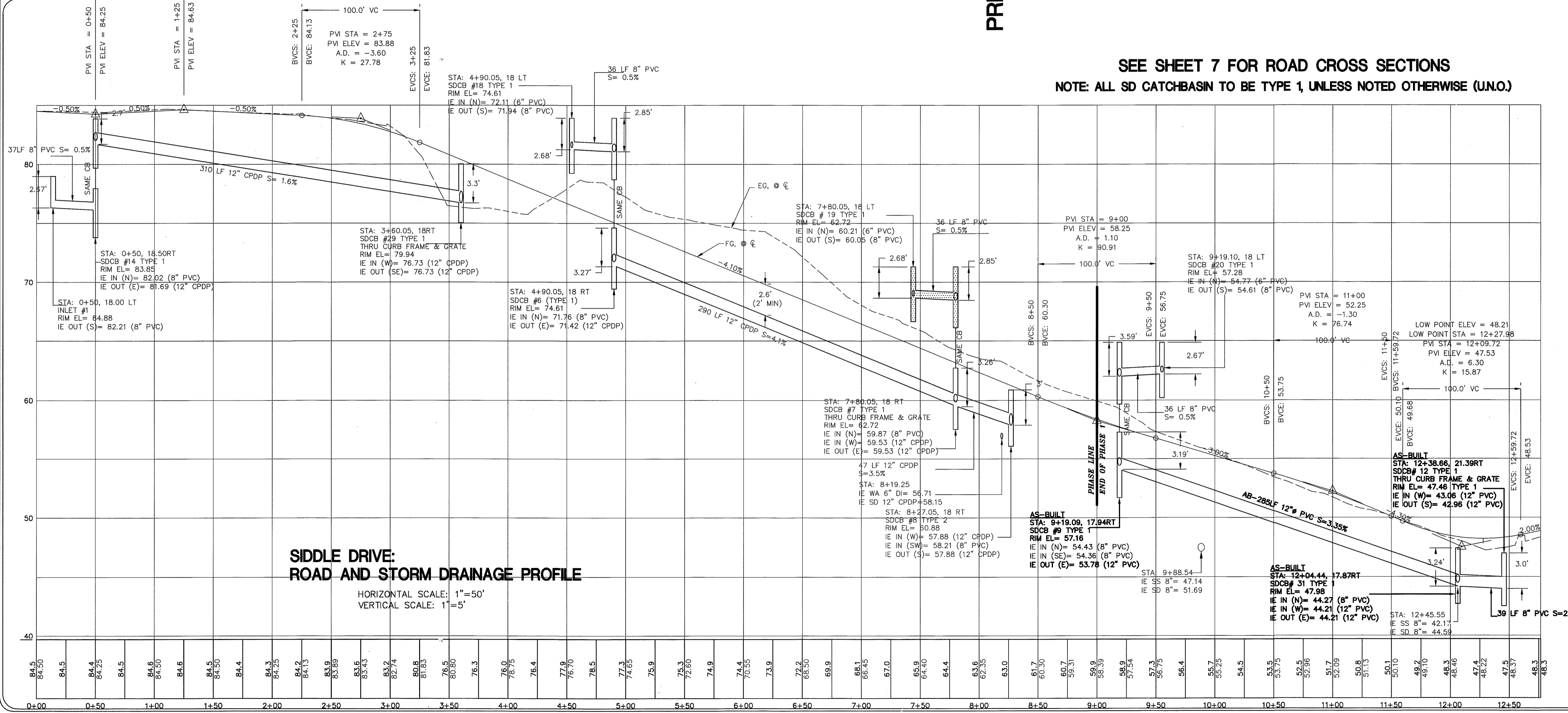
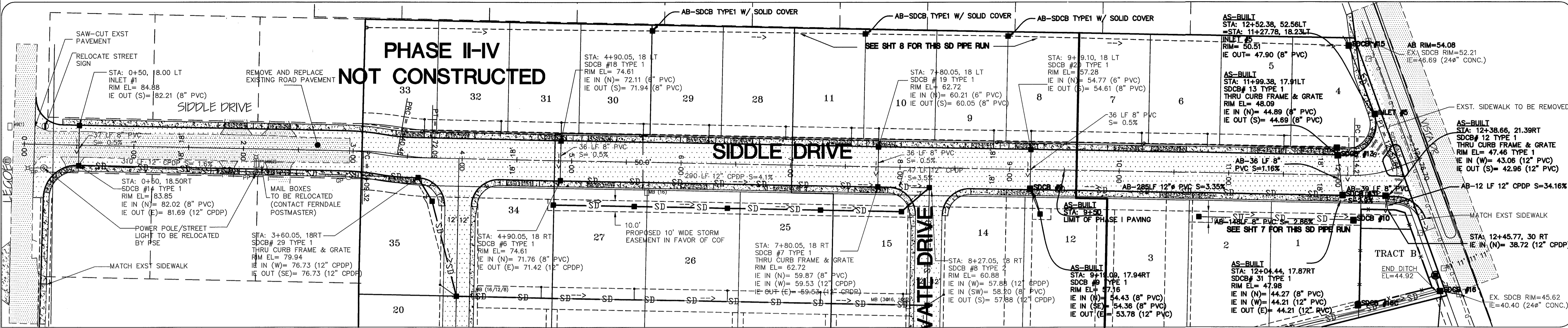


**LEGEND**

- |  |                                |  |                                |
|--|--------------------------------|--|--------------------------------|
|  | = EXIST SANITARY SEWER MANHOLE |  | = PROPOSED 1' CONTOUR          |
|  | = EXIST FIRE HYDRANT           |  | = PROPOSED 5' CONTOUR          |
|  | = EXIST WA METER BOX           |  | = PROPOSED BUILDING ENVELOPE   |
|  | = EXIST WATER VALVE            |  | = PROPOSED ASPHALT ROAD        |
|  | = EXIST SD CATCH BASIN         |  | = PROPOSED CONC. SIDEWALK      |
|  | = EXIST POWER POLE             |  | = PROPOSED LANDSCAPE BUFFER    |
|  | = EXIST STREET SIGN            |  | = PROPOSED DRIVEWAY            |
|  | = EXIST ASPHALT                |  | = PROPOSED EASEMENT LINE       |
|  | = EXIST CONTOUR (INDEX)        |  | = PROPOSED LOT LINE ADJUSTMENT |
|  | = EXIST CONTOUR (NORMAL)       |  | = PROPOSED POWER LINE          |
|  | = EXIST CULVERT                |  | = PROPOSED RETAINING WALL      |
|  | = EXIST DITCHLINE              |  | = PROPOSED SILT FENCE          |
|  | = EXIST ROAD EDGE OF PAVEMENT  |  | = PROPOSED PARKING AREA        |
|  | = EXIST SURVEY BOUNDARY LINE   |  | = CLEARING LIMITS              |
|  | = EXIST EASEMENT LINE          |  |                                |
|  | = EXIST POWER LINE             |  |                                |
|  | = EXIST GAS MAIN               |  |                                |
|  | = EXIST WATER LINE             |  |                                |
|  | = EXIST MAIL BOX               |  |                                |
|  | = EXIST LANDSCAPE              |  |                                |

APPROVED  
 JAN 07 2013  
 J. M. G. P.E.  
 CIVIL ENGINEER

SH 1/29/12 900 14500



GRAPHIC SCALE

( IN FEET )  
 1 inch = 50 ft.

CITY OF FERDALE ROUNDABOUT PROJECT  
 BENCHMARK:  
 R&E: 119.81 (STK 104)  
 LDES= 46.18

- LEGEND**
- = EXISTING CATCH BASIN
  - = CATCH BASIN
  - = EXIST STORM DRAIN LINE
  - = CORRUGATED PLASTIC DRAIN PIPE (CPDP)
  - = ADS-N12 DRN PIPE
  - = ROOF/YARD STUB
  - = ASPHALT ROAD
  - = CONC. SIDEWALK
  - = EASEMENT LINE
  - = DRIVEWAY
  - = PARKING AREA (PAVED)

APPROVED

JAN 07 2013

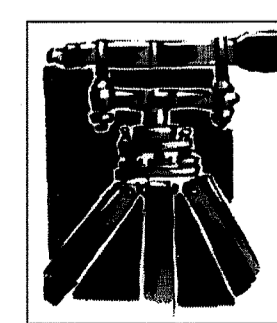
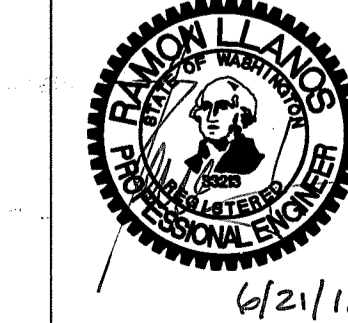
*[Signature]* P.E.

CITY OF FERDALE

DRAWN BY MF DATE 08/21/11  
 CHECKED BY RL DATE 08/21/11  
 JOB # 04603

VISTA MEADOWS LONG PLAT

FOR: DAVID BRAITHWAITE



LDES, INC.  
 5160 INDUSTRIAL PL #108  
 FERDALE, WA 98248  
 PHONE 360-383-0620  
 FAX 360-383-0639

VISTA MEADOWS LONG PLAT

SIDDLE DRIVE

STREET & STORMDRAIN PLAN & PROFILE

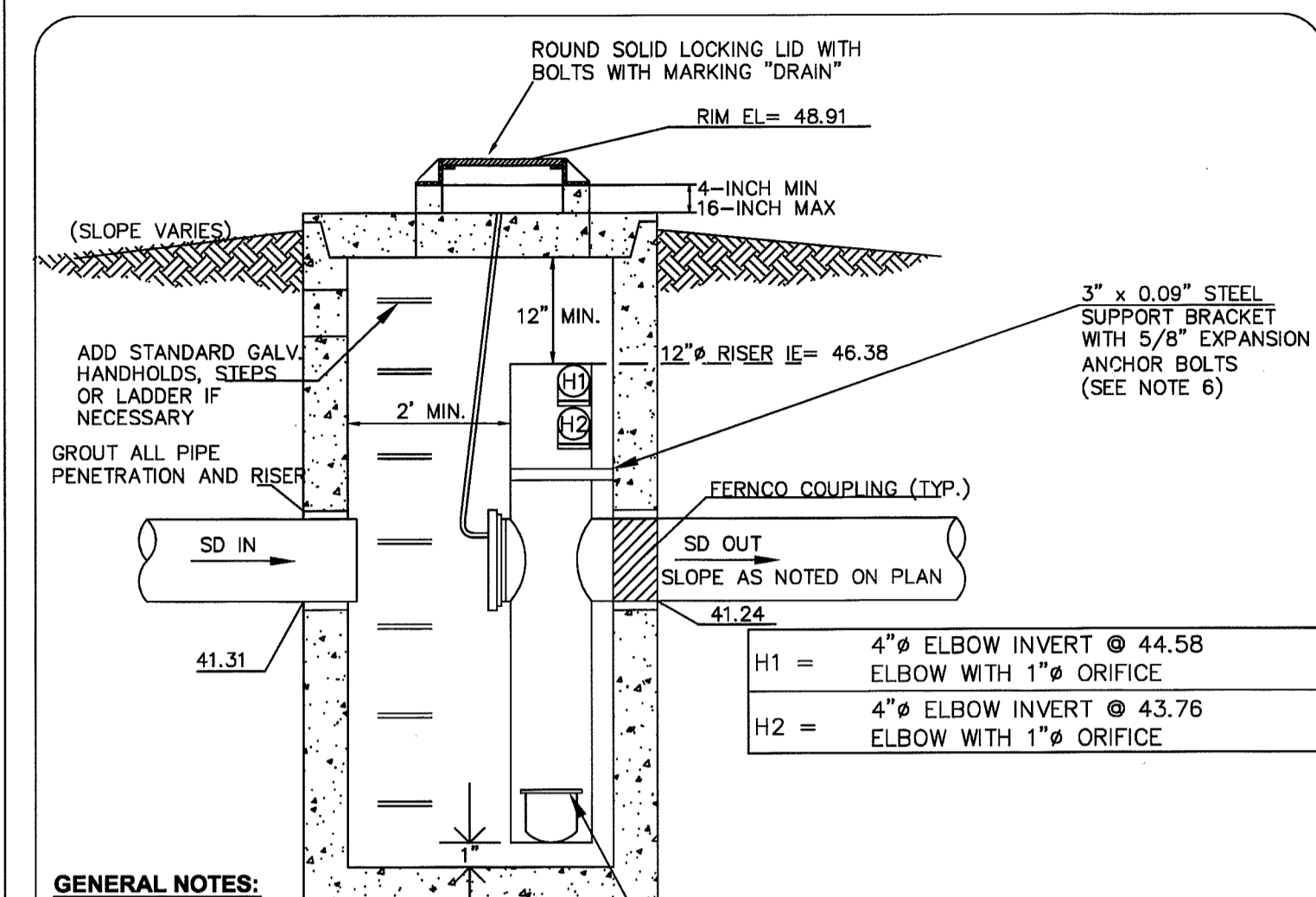
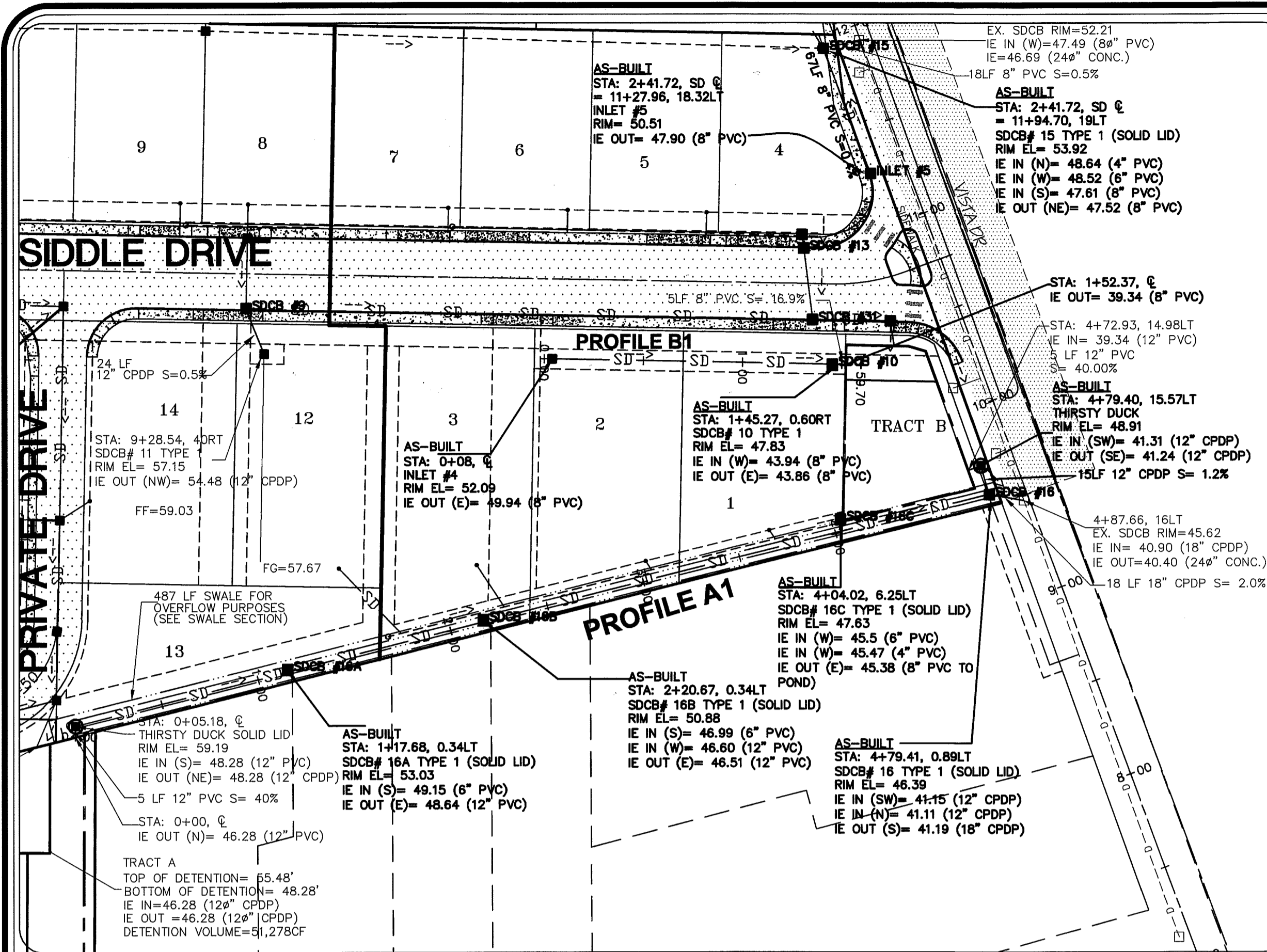
AS-BUILT

SHEET

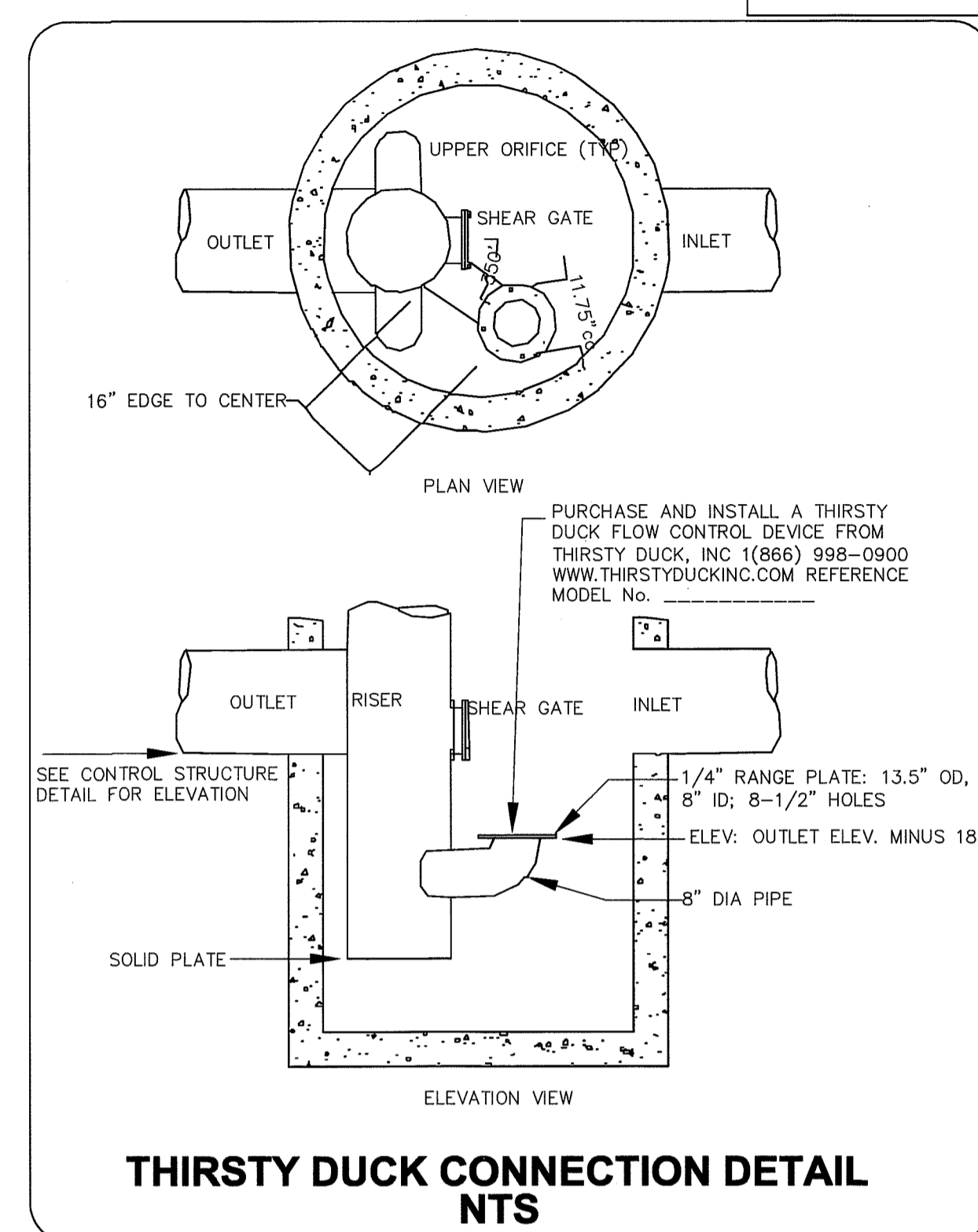
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OF

19



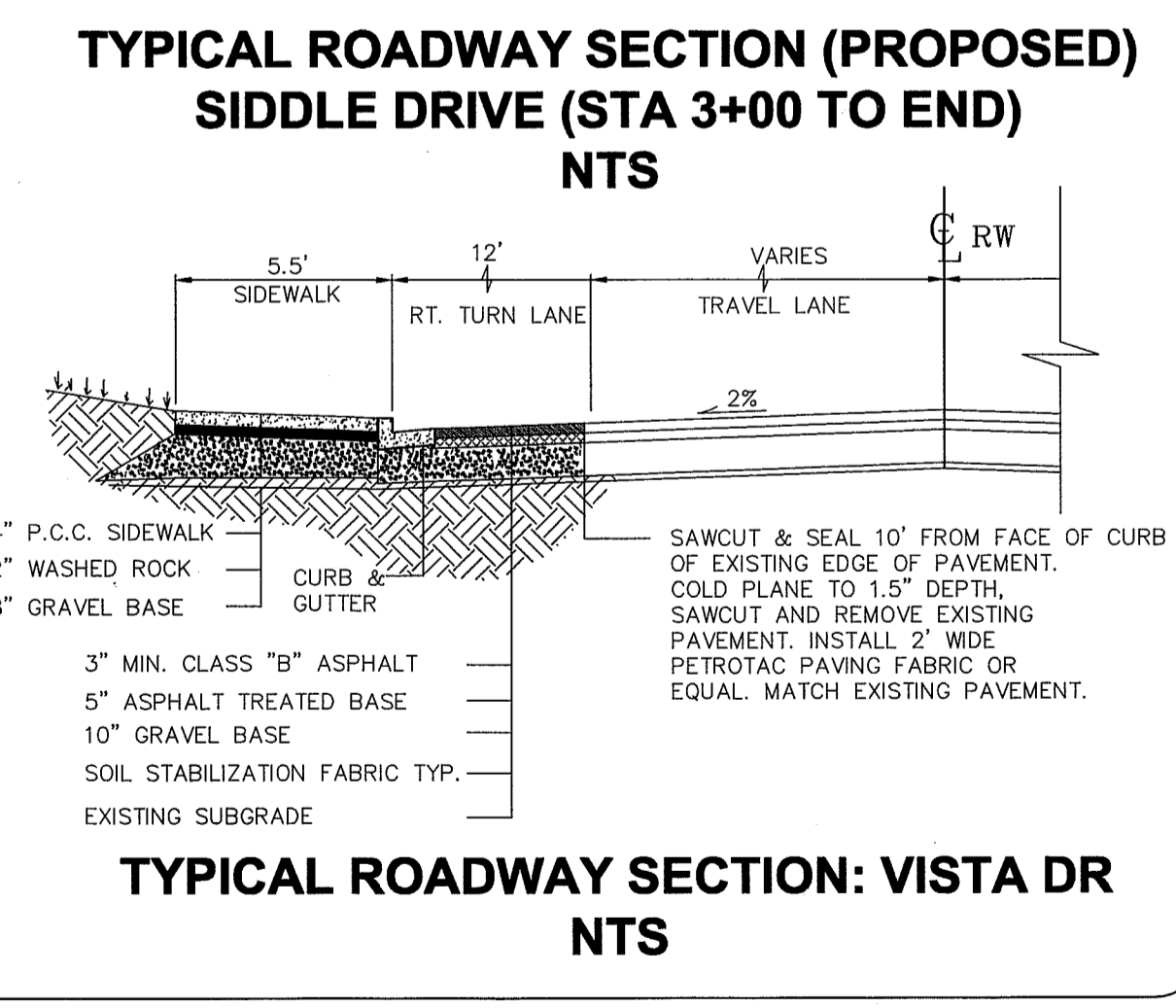
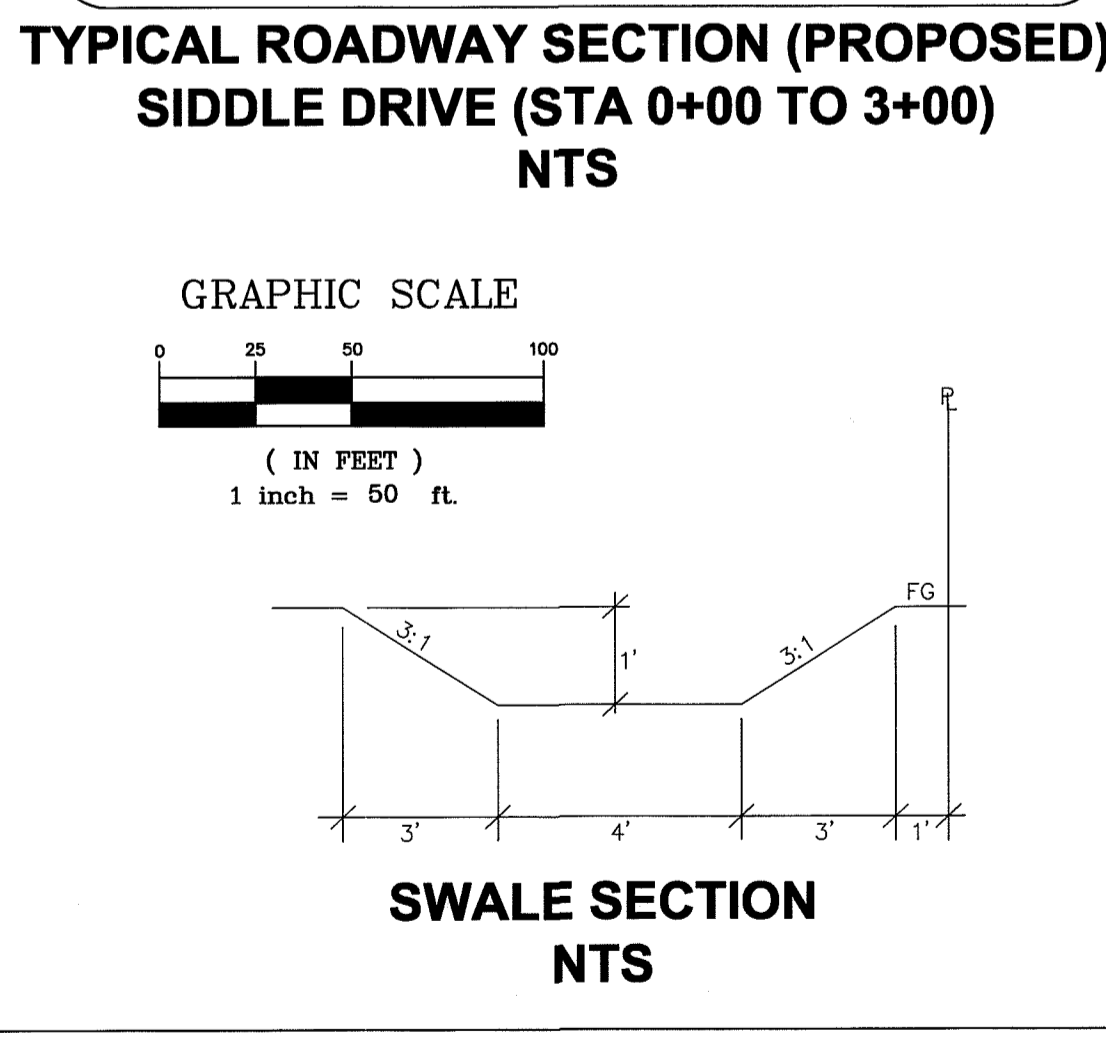
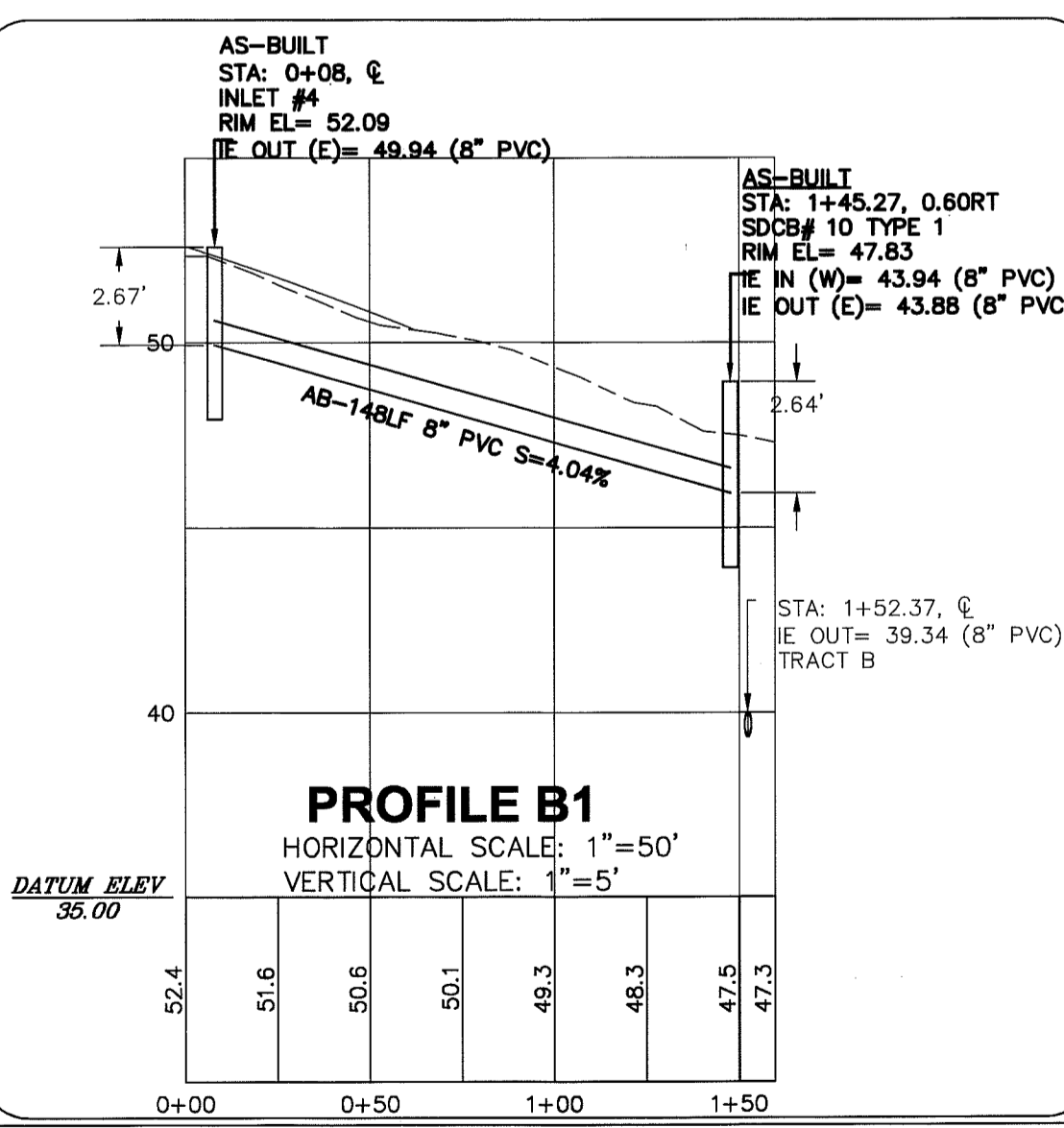
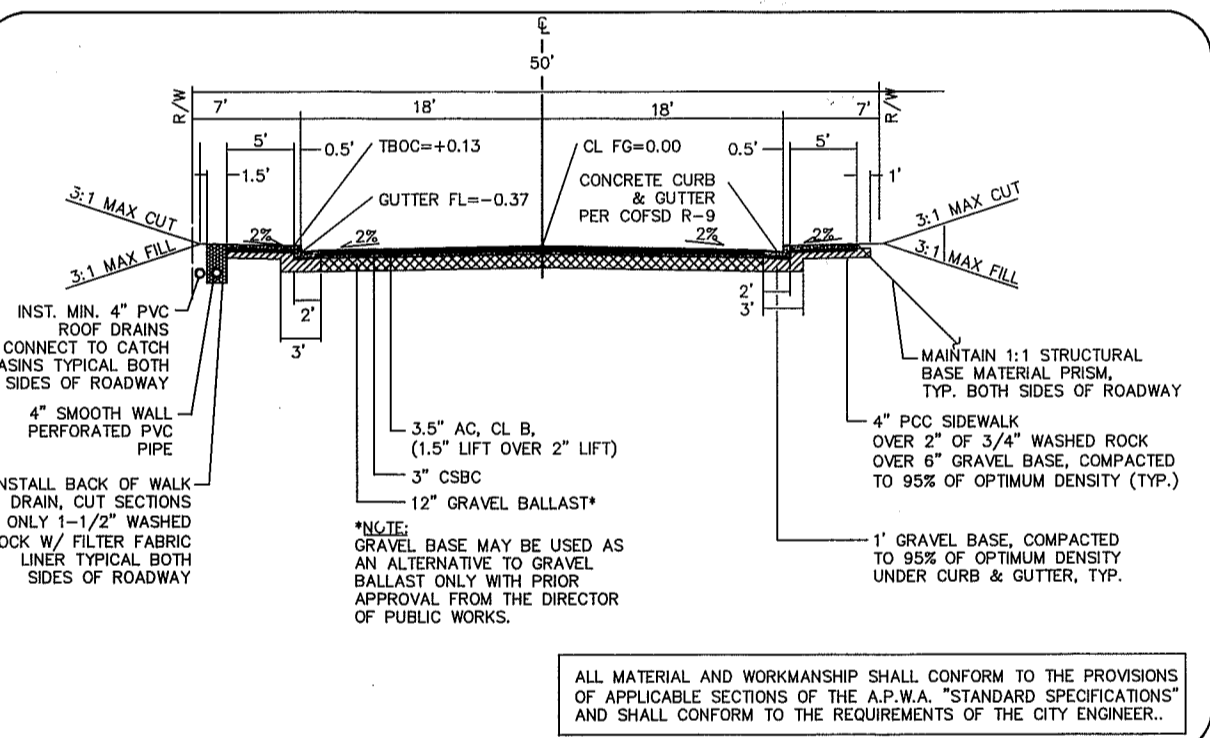
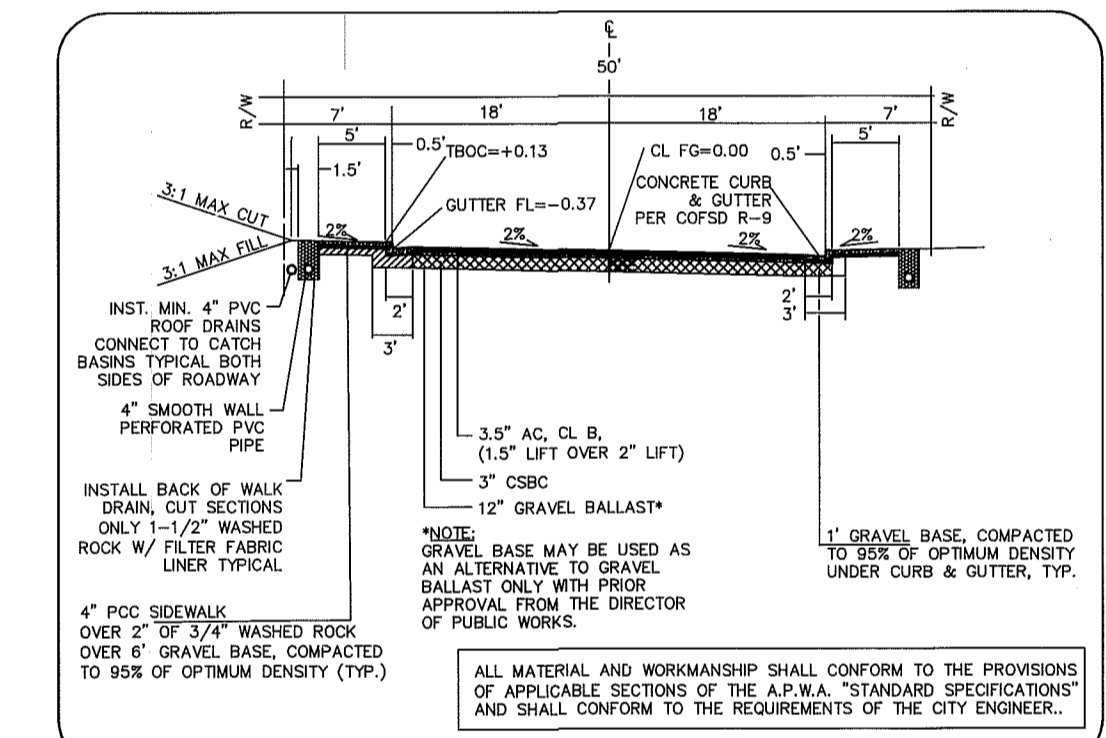
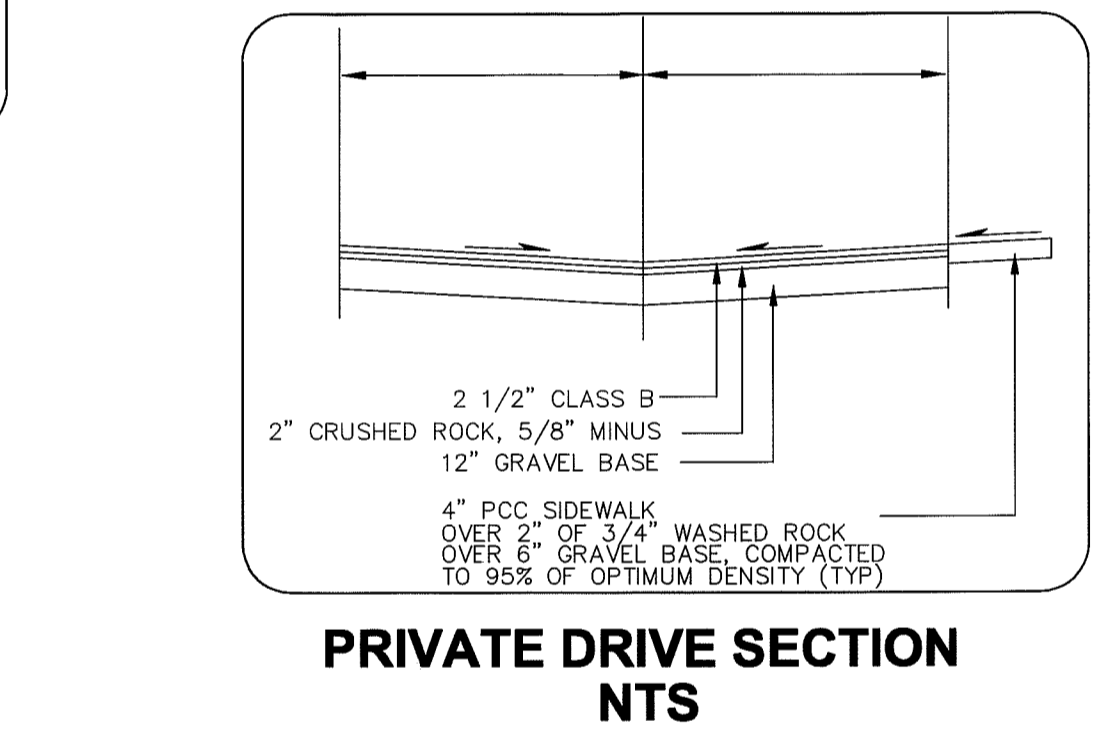
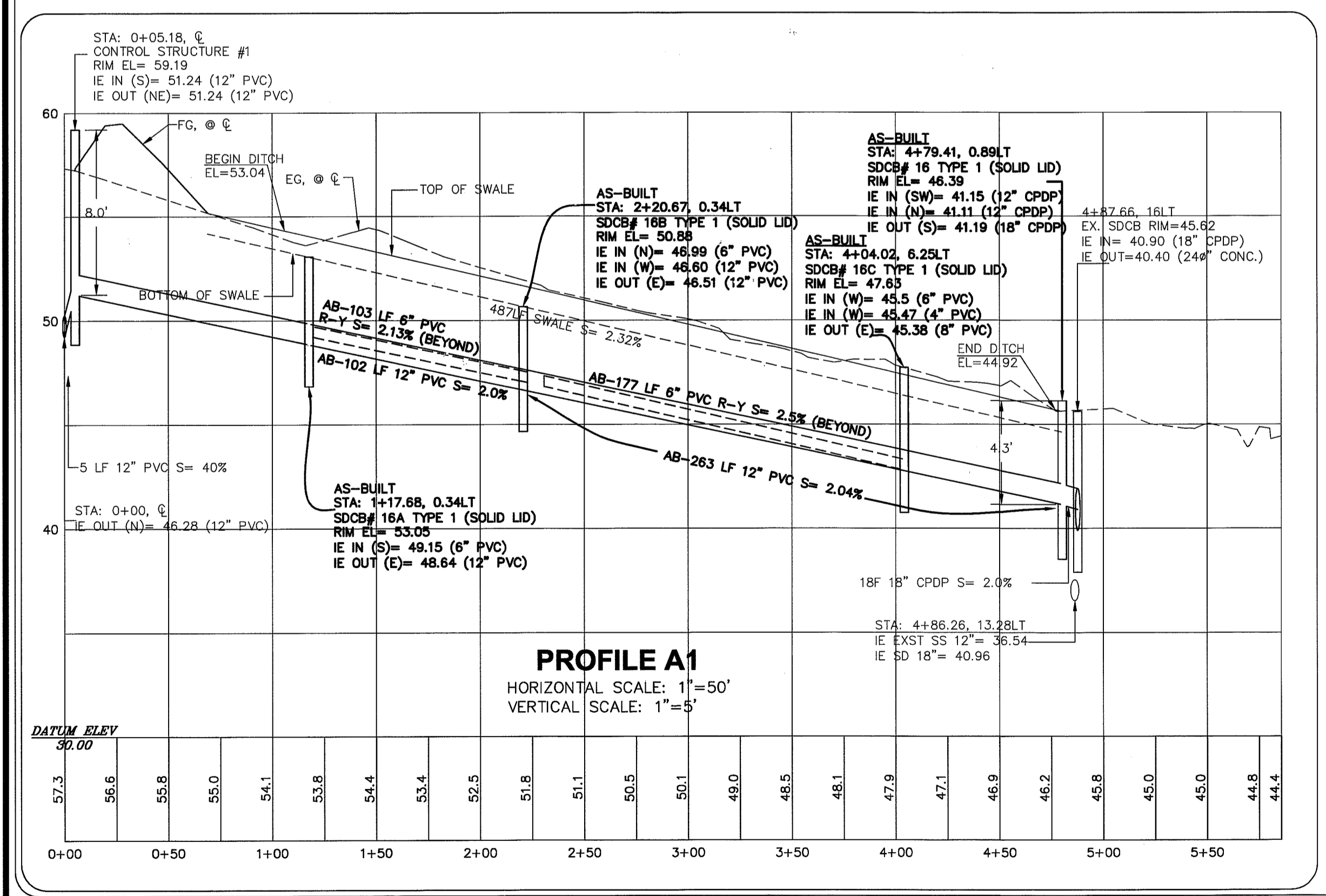
**GENERAL NOTES:**  
 1. ELBOW DIAMETERS SHALL BE LARGER THAN ORIFICE DIAMETERS, TYPICAL.  
 2. ALL PARTS SHALL BE STAINLESS STEEL, ALUMINUM, OR ALUMINIZED STEEL.  
 3. OFFSET FRAME AND LADDER OR STEPS SO CLEANOUT GATE IS VISIBLE FROM TOP AND SO CLIMB-DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE.  
 4. LOCATE ELBOW RESTRICTOR(S) AS NECESSARY TO PROVIDE MINIMUM CLEARANCE AS SHOWN.  
 5. USE EX. MANHOLE AS FEASIBLE AND INSTALL NEW INLET PIPE AND OUTLET CONTROL STRUCTURE.  
 6. THE PIPE SUPPORTS AND THE RESTRICTOR/SEPARATOR SHALL BE CONSTRUCTED OF THE SAME MATERIAL AND BE ANCHORED AT A MAXIMUM SPACING OF 36 INCHES. ATTACHED THE PIPE SUPPORTS TO THE MANHOLE WITH 5/8 INCH STAINLESS STEEL EXPANSION BOLTS OR EMBED THE SUPPORTS INTO THE MANHOLE WALL 2 INCHES.



**LEGEND**

- EXISTING CATCH BASIN
- CONTROL STRUCTURE
- CATCH BASIN
- EXIST STORM DRAIN LINE
- SD = CORRUGATED PLASTIC DRAIN PIPE (CPDP)
- ADJ-N12 DRAIN PIPE
- ROOF/YARD STUB
- PROPOSED BUILDING ENVELOPE
- ASPHALT ROAD
- CONC. SIDEWALK
- CEASEMENT LINE
- PARKING AREA (PAVED)
- DRIVEWAY

NOTE: ALL SD CATCHBASINS TO BE TYPE 1, UNO.



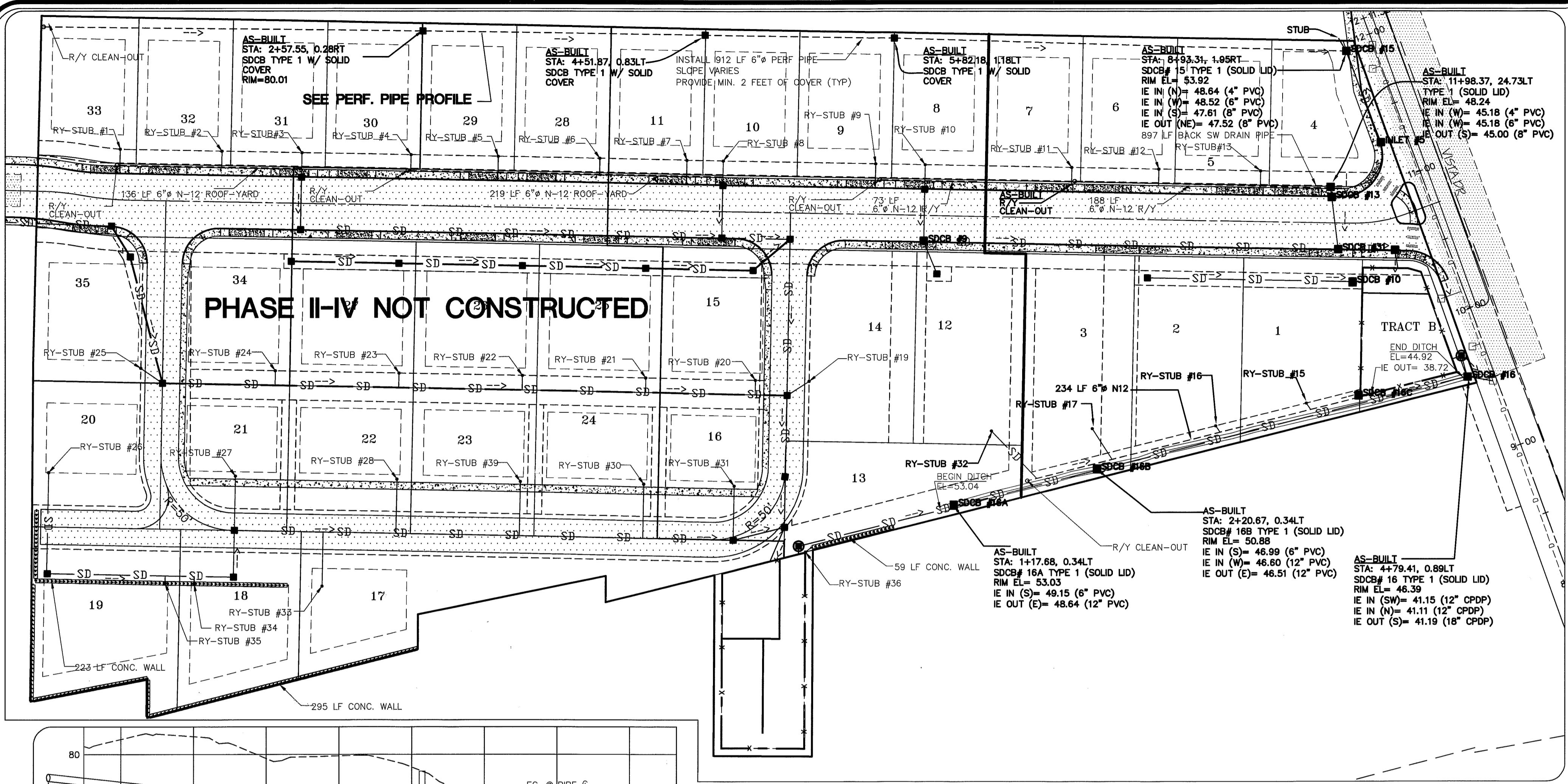
DRAWN BY MF DATE 06/21/11  
 CHECKED BY RL DATE 06/21/11  
**VISTA MEADOWS LONG PLAT**  
 FOR: **DAVID BRAITHWAITE**

APPROVED  
 JAN 07 2013  
 [Signature]  
 CITY OF FERNDALE

**LDES, INC.**  
 5160 INDUSTRIAL PL #108  
 FERNDALE, WA 98248  
 PHONE 360-383-0620  
 FAX 360-383-0639

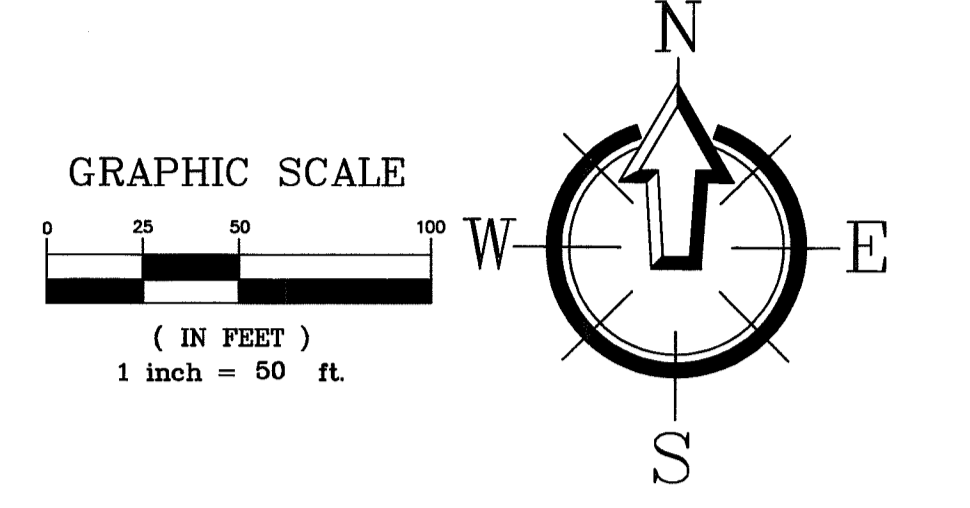
**VISTA MEADOWS LONG PLAT**  
**OVERFLOW - STORMDRAIN PLAN & PROFILE**  
**AND ROAD CROSS SECTIONS**  
**AS-BUILT**

00544-001 1/29/15 SH



**LEGEND**

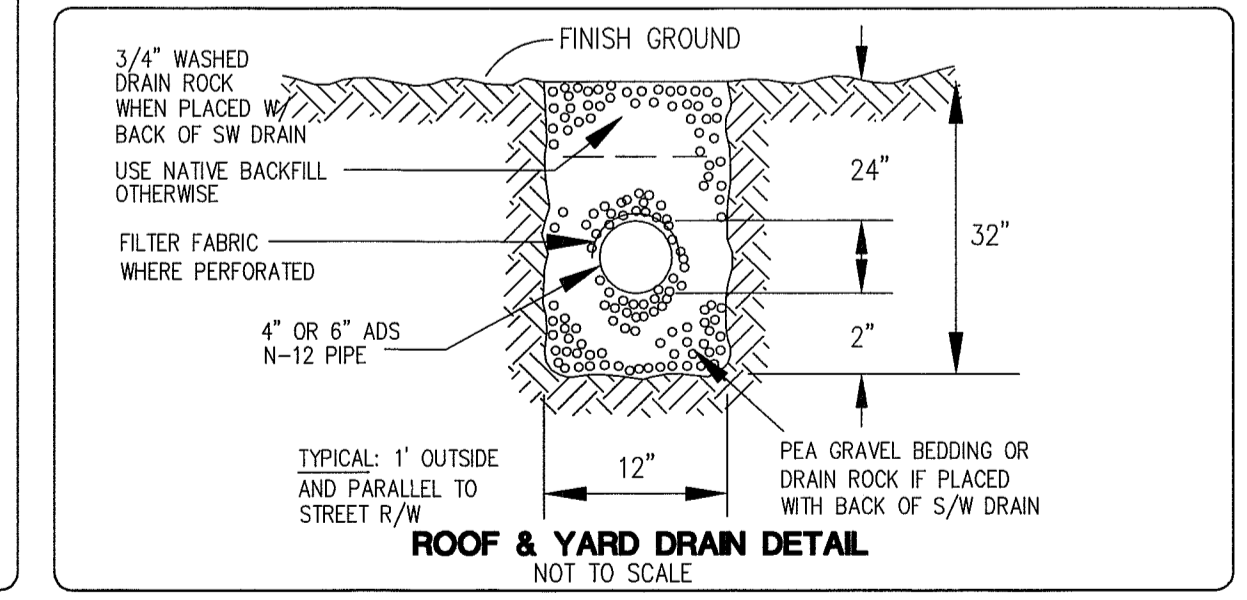
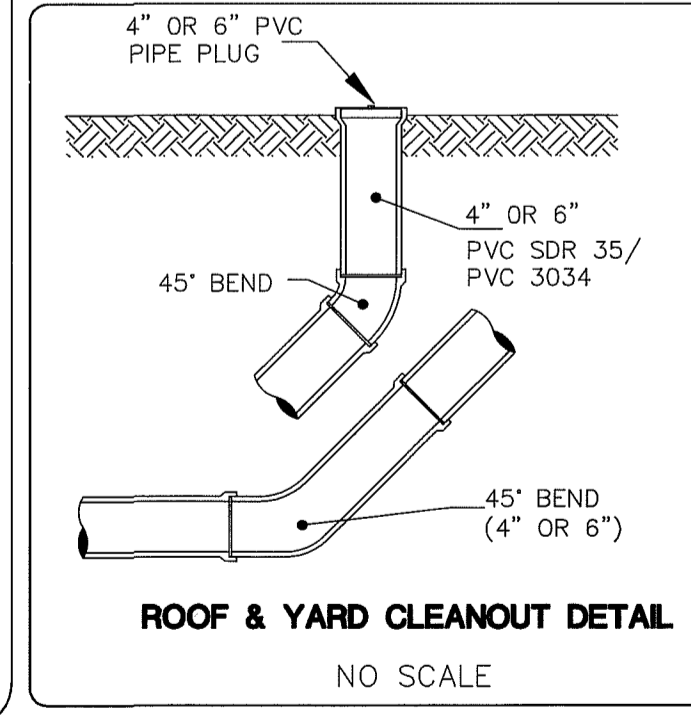
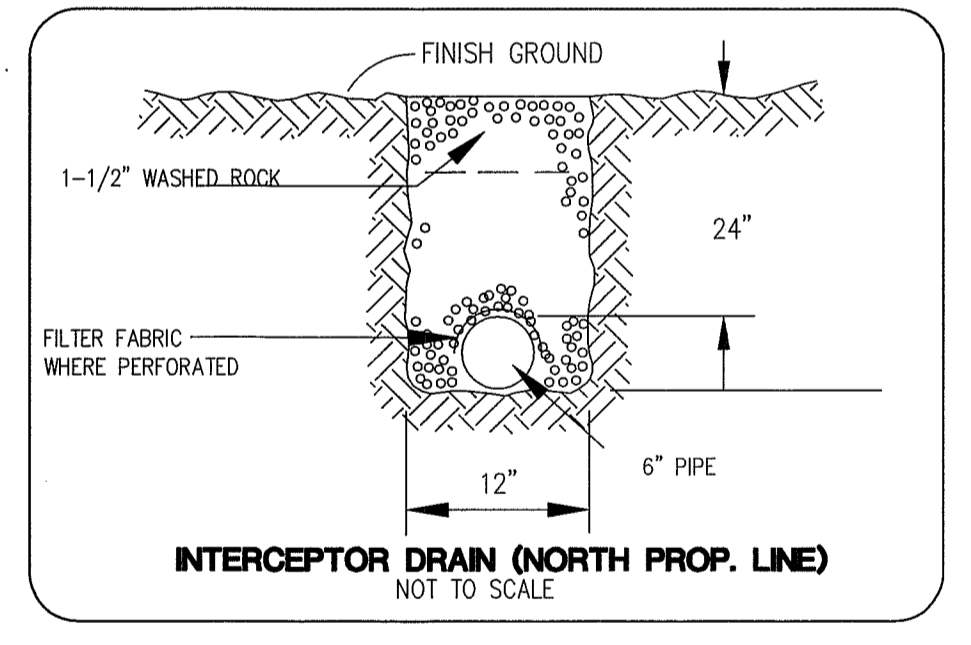
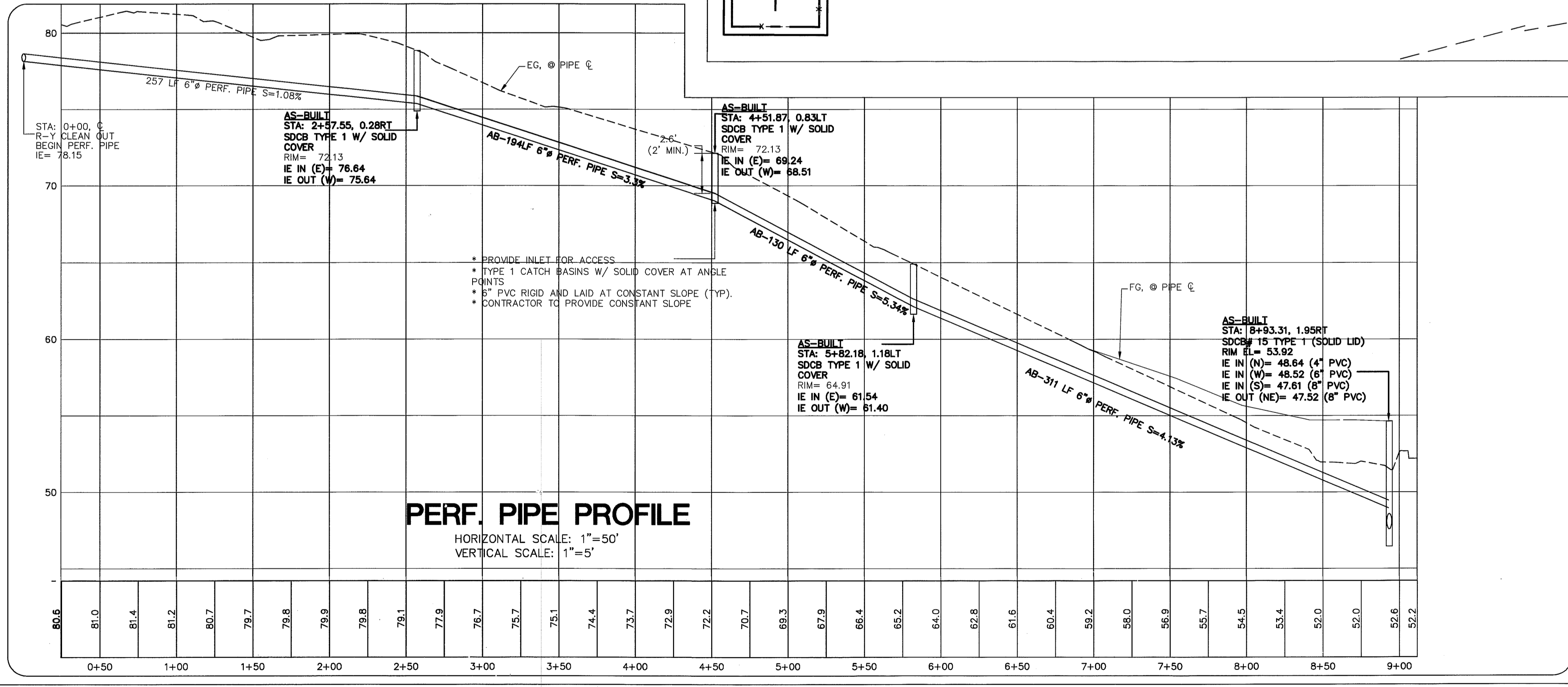
- = EXISTING CATCH BASIN
- = CATCH BASIN
- - - = EXIST STORM DRAIN LINE
- SD = CORRUGATED PLASTIC DRAIN PIPE (CPDP)
- - - = ADS-N12 DRAIN PIPE (UNO)
- - - = ROOF/YARD STUB
- - - = BUILDING ENVELOPE
- [Pattern] = ASPHALT ROAD
- [Pattern] = CONC. SIDEWALK
- - - = EASEMENT LINE
- [Pattern] = RETAINING WALL
- [Pattern] = PARKING AREA (PAVED)



APPROVED  
 JAN 07 2013  
 BY [Signature]  
 CITY OF FERRISDALE

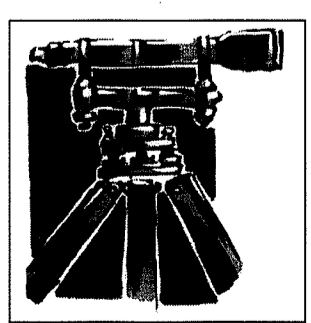
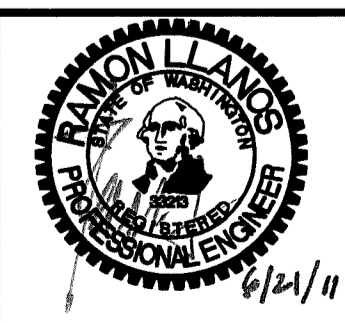
**ROOF AND YARD DRAIN DESCRIPTION**

RY-#1 TO #13 11 LF 4" PVC PIPE	RY-#15 15 LF 4" PVC PIPE	RY-#16 15 LF 4" PVC PIPE	RY-#17 15 LF 4" PVC PIPE
RY-#18 10 LF 4" PVC PIPE	RY-#19 18 LF 4" PVC PIPE	RY-#20 TO #24 10 LF 4" PVC PIPE	RY-#25 18 LF 4" PVC PIPE
RY-#26 69 LF 4" PVC PIPE	RY-#27 TO #31 37 LF 4" PVC PIPE	RY-#32 22 LF 4" PVC PIPE	RY-#33 37 LF 4" PVC PIPE
RY-#34 & 35 5 LF 4" PVC PIPE	RY-#36 3 LF 4" PVC PIPE		



DRAWN BY MF DATE 06/21/11  
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 JOB # 04603

**VISTA MEADOWS LONG PLAT**  
 FOR: DAVID BRAITHWAITE



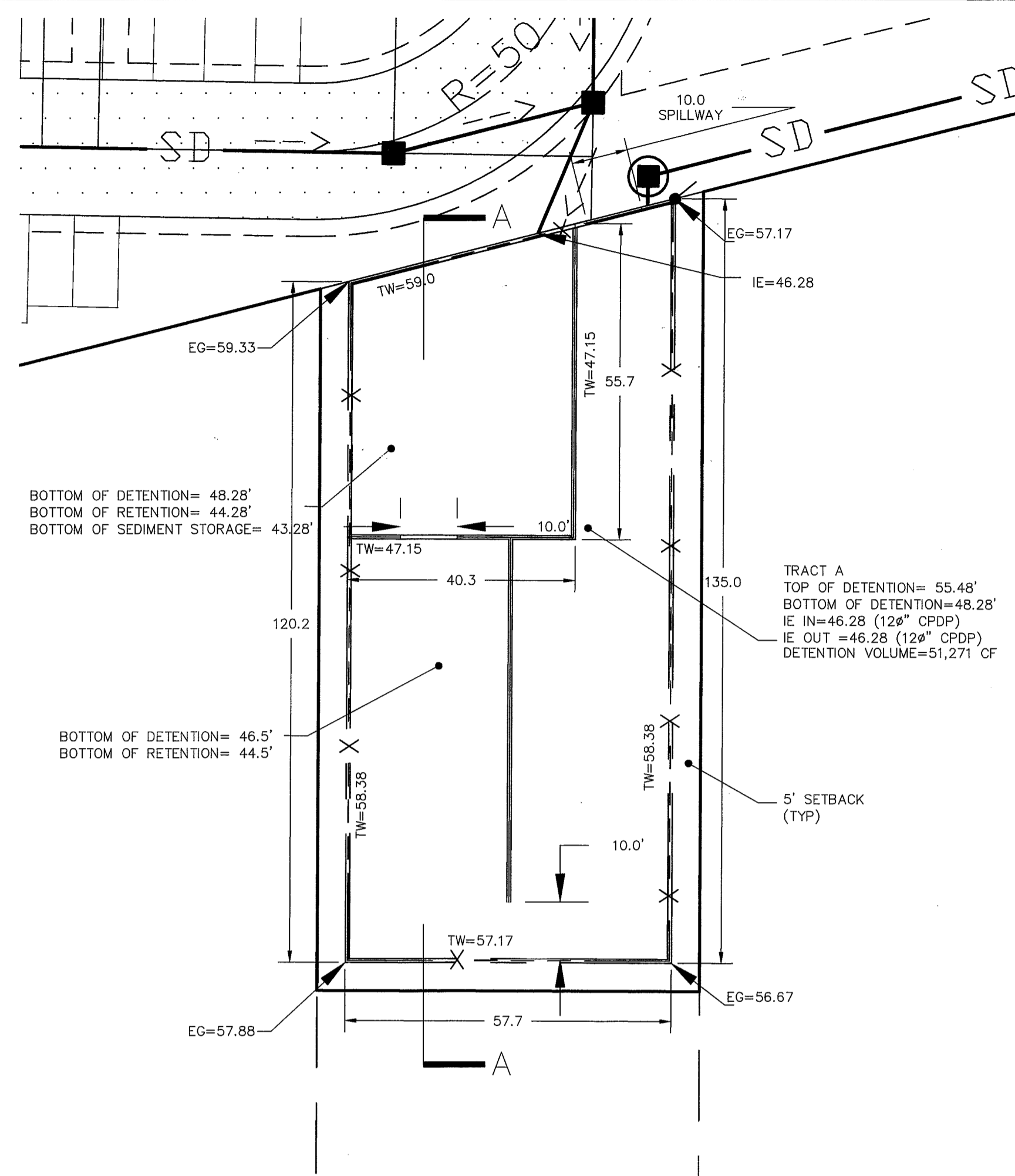
**LDES, INC.**  
 5160 INDUSTRIAL PL #108  
 FERRDALE, WA 98248  
 PHONE 360-383-0620  
 FAX 360-383-0639

**VISTA MEADOWS LONG PLAT**  
**ROOF AND YARD DRAIN**  
**AS-BUILT**

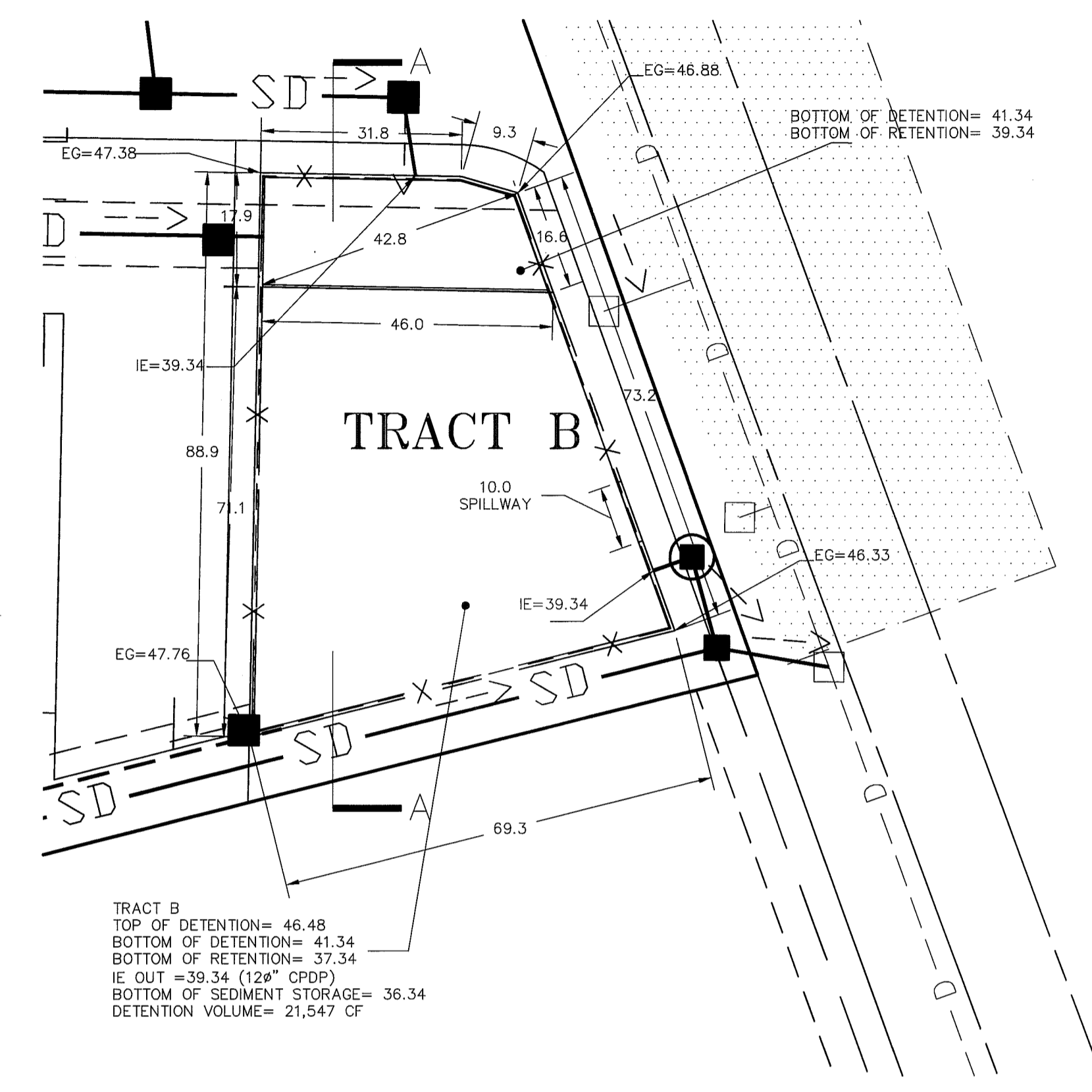
005-44-008 1/29/13 SH



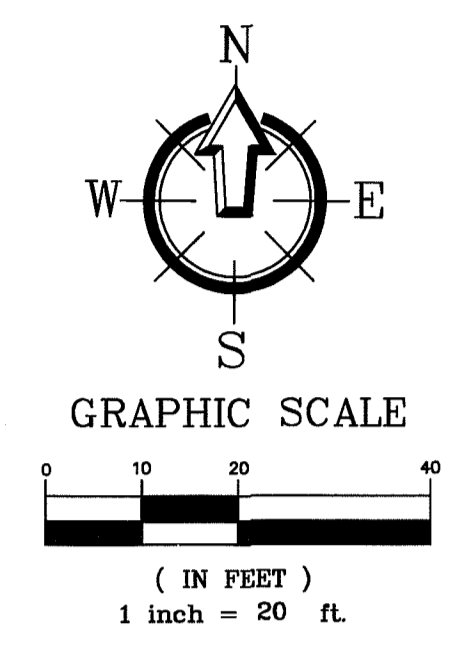
00544.009 1/24/13 SH



TRACT A



TRACT B

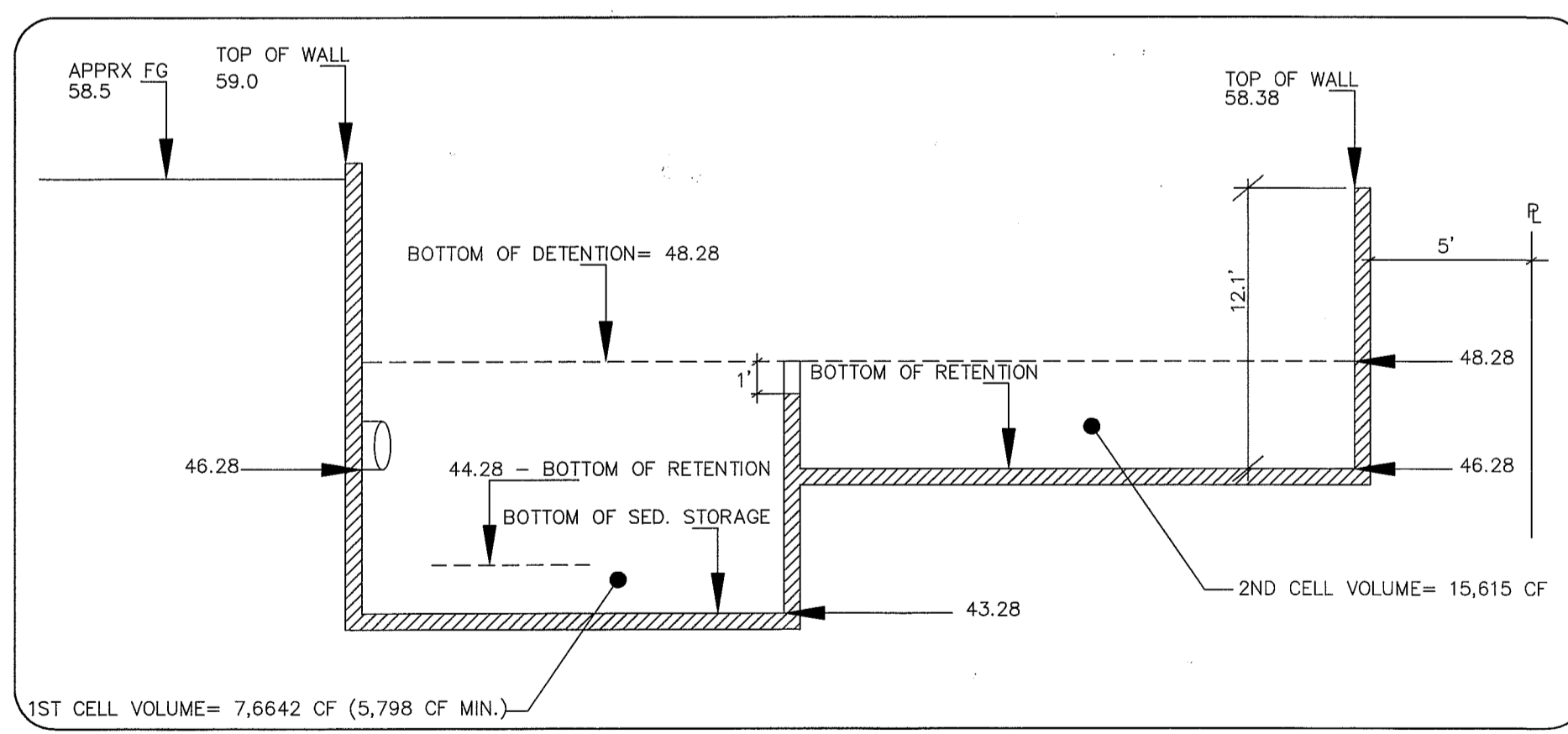


- X - - - - = 6' TALL CHAINLINK FENCE

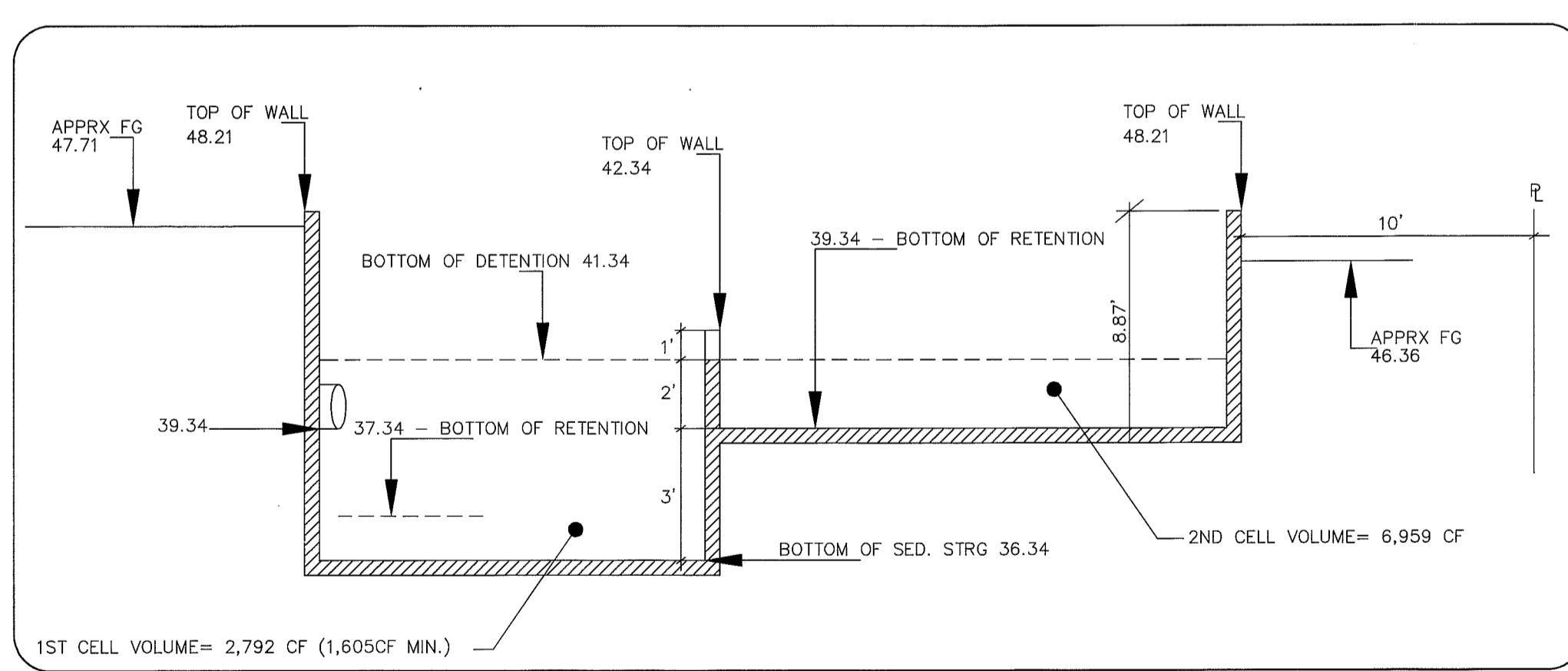
RIP RAP GRADATION IS AS FOLLOWS:  
 100% PASSING 8-INCH SQUARE SIEVE.  
 40-80% PASSING 6-INCH SQUARE SIEVE.  
 0-10% PASSING 2-INCH SQUARE SIEVE.

SEEDING REQUIREMENTS		
WETPOND A	WETPOND B	2005 SWM VOL. 5 TABLE 10.1
43.28	35.72	1 TO 3 FT INUNDATION
46.28	38.72	3 TO 6 FT INUNDATION

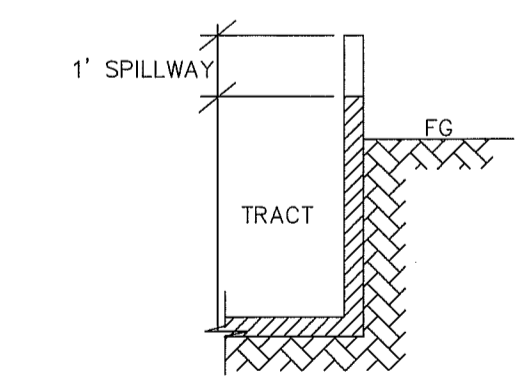
APPROVED  
 JAN 07 2013  
 BY *J. M. [Signature]* P.E.  
 CITY OF FERDALE



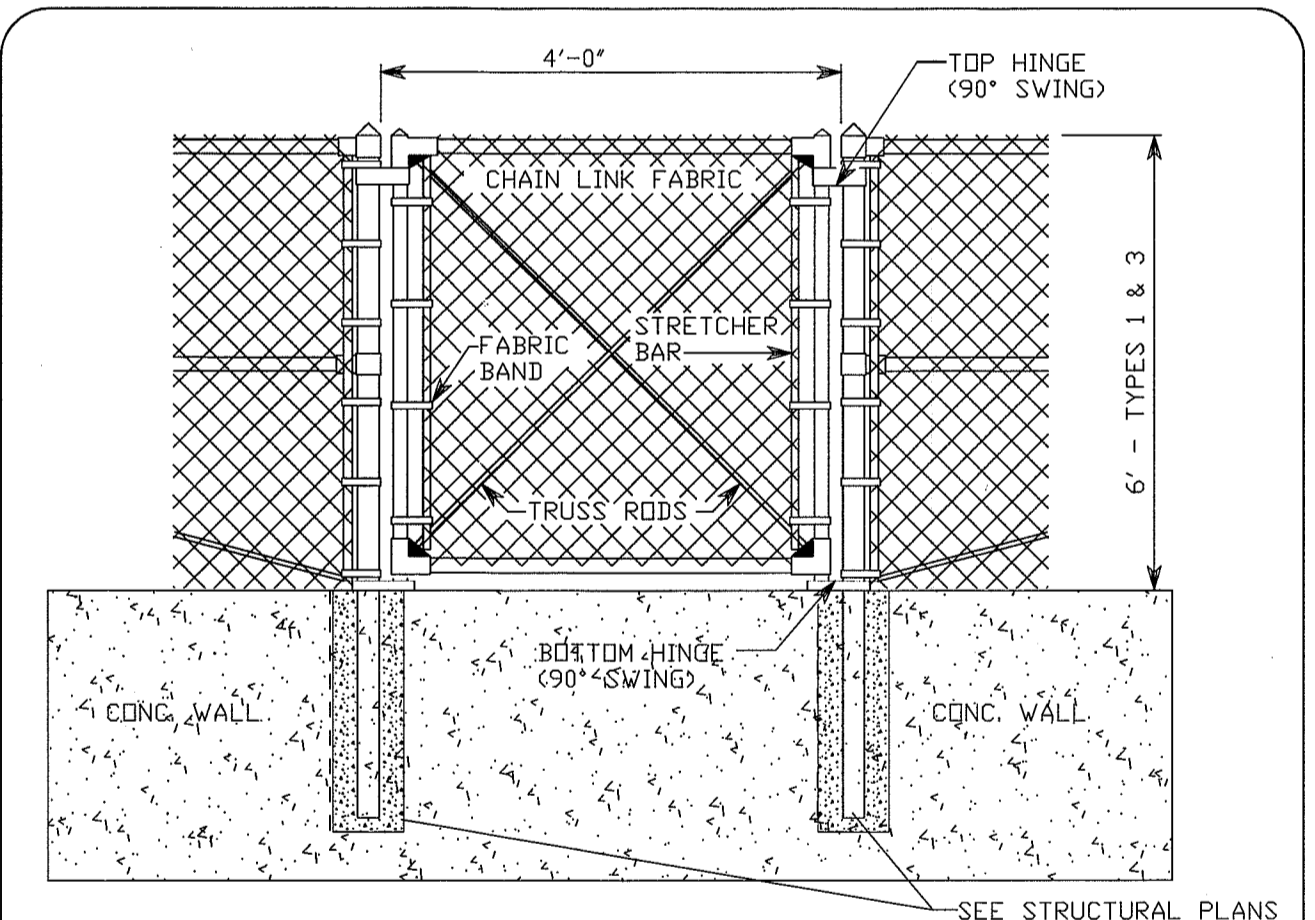
TRACT A SECTION AA NTS



TRACT B SECTION AA NTS



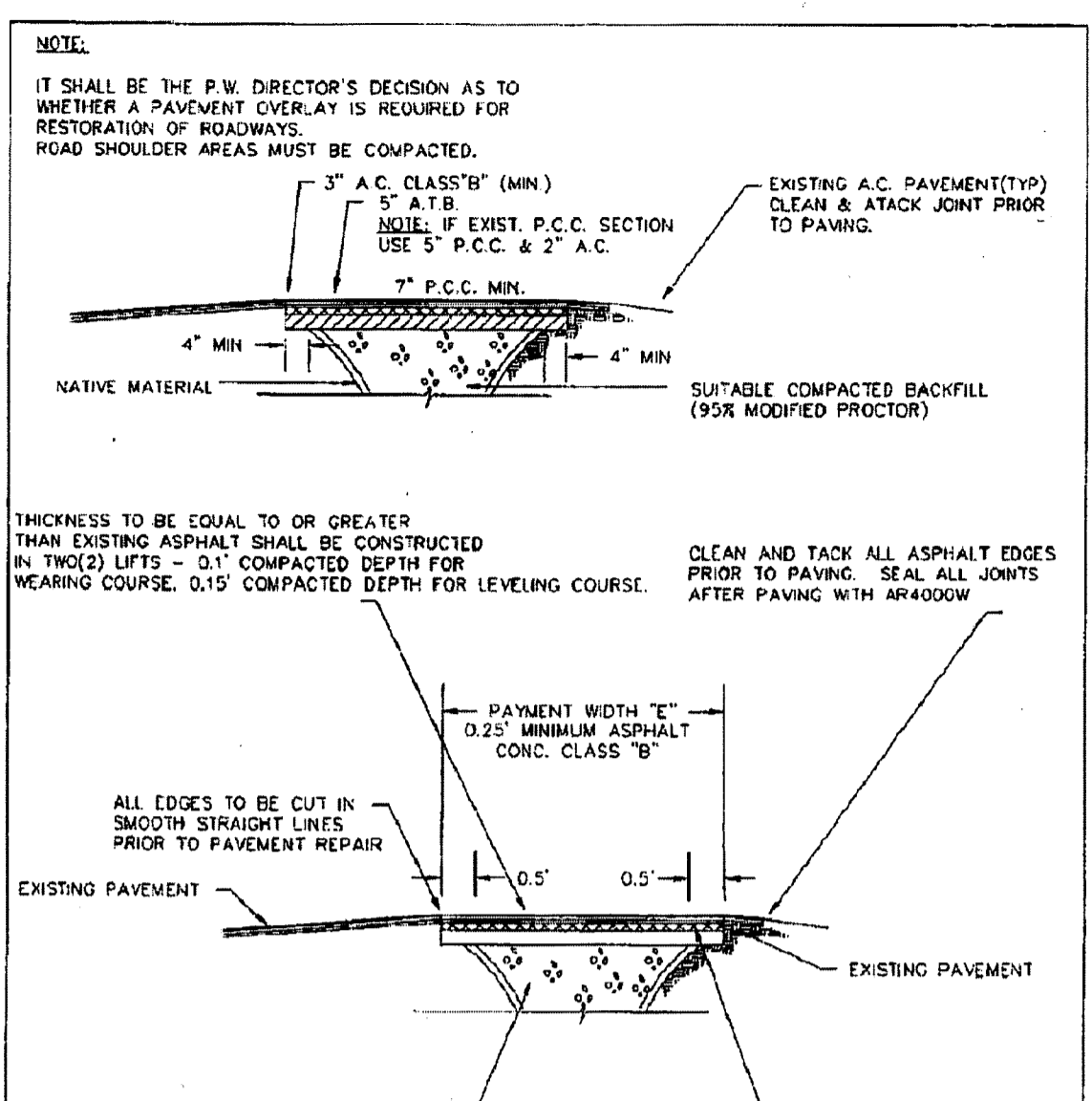
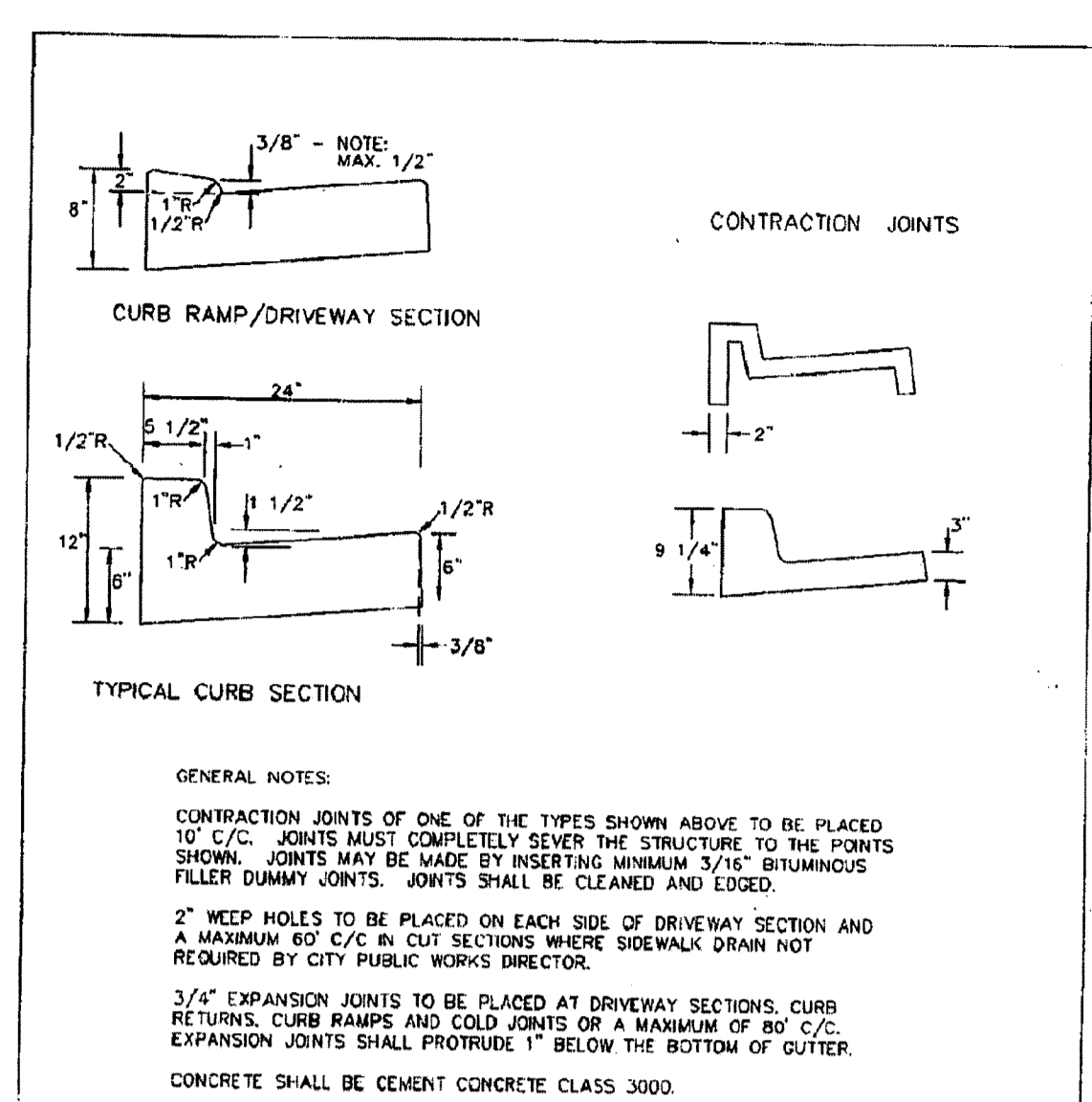
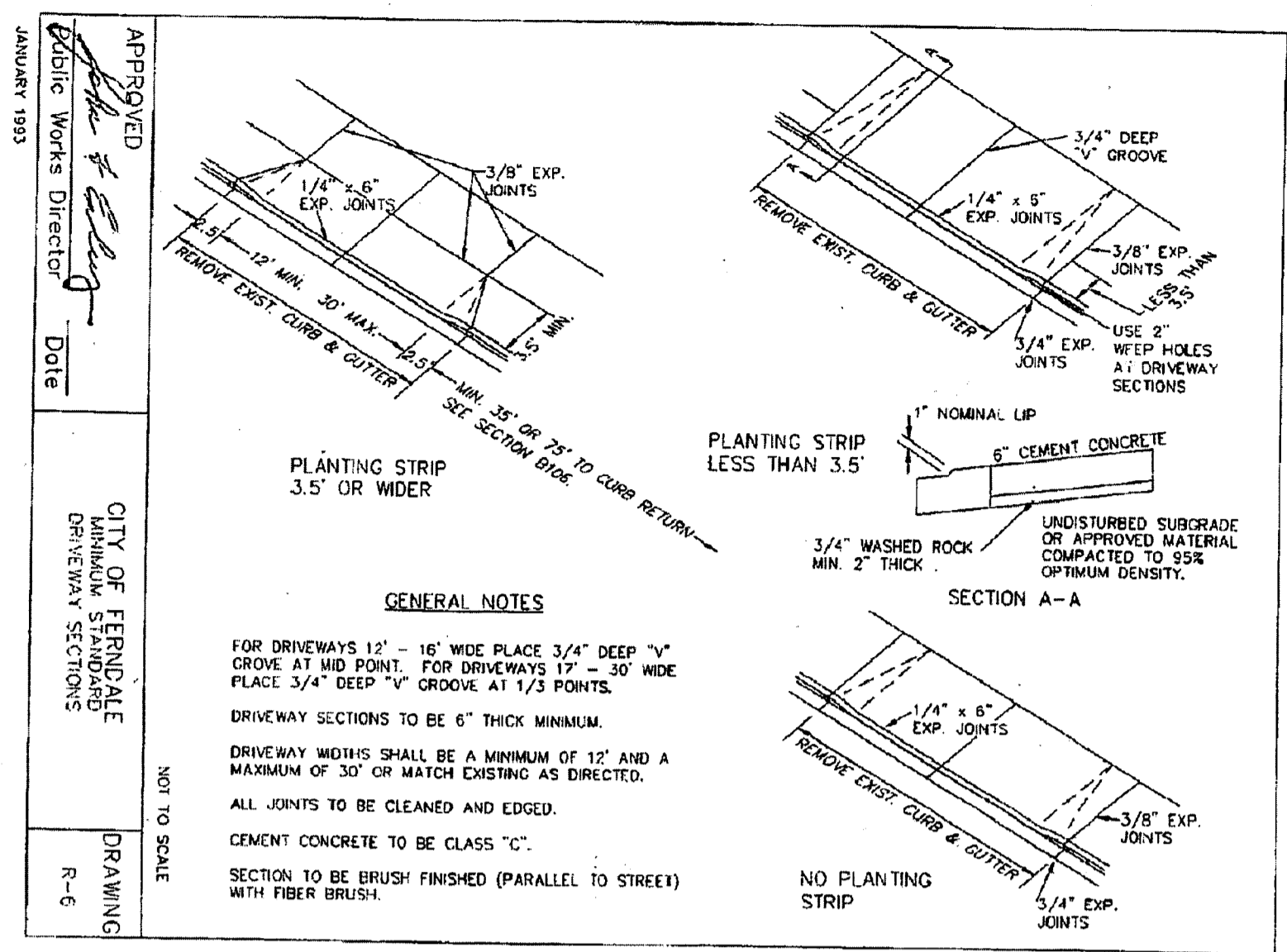
EMERGENCY SPILLWAY N.T.S.



NOTES:  
 1. FENCE FABRIC SHALL BE SECURED TO GATE FRAMES WITH KNUCKLED SELVAGE ALONG TOP EDGE FOR TYPES 4 & 6 CHAIN LINK FENCE INSTALLATIONS.  
 2. MINIMUM POST LENGTH:  
 TYPES 1 & 3 8'-8"  
 TYPES 4 & 6 5'-6"  
 CHAIN LINK GATES

FENCE/GATE DETAIL N.T.S.

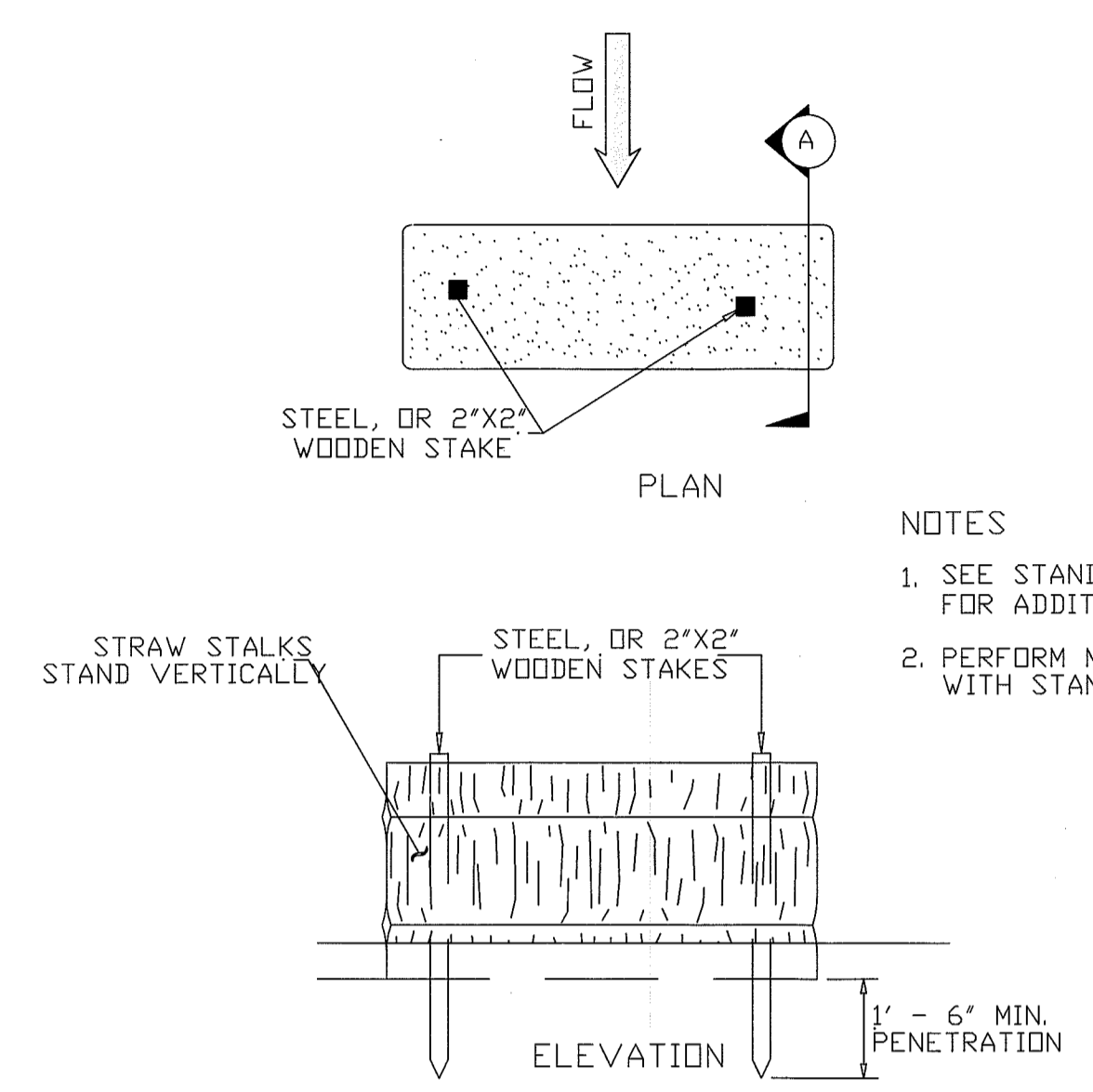
06547.010 1/29/13 SH



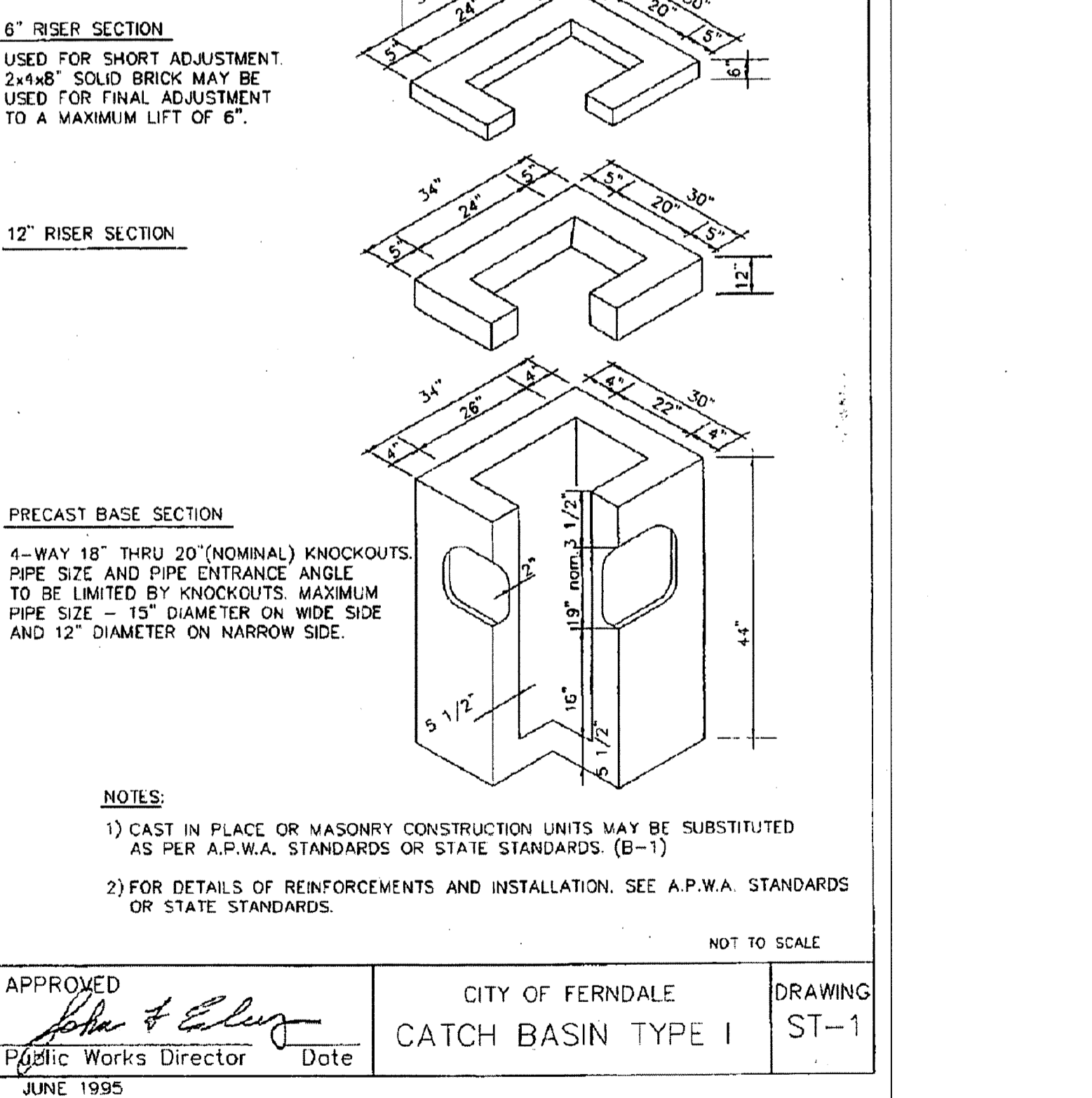
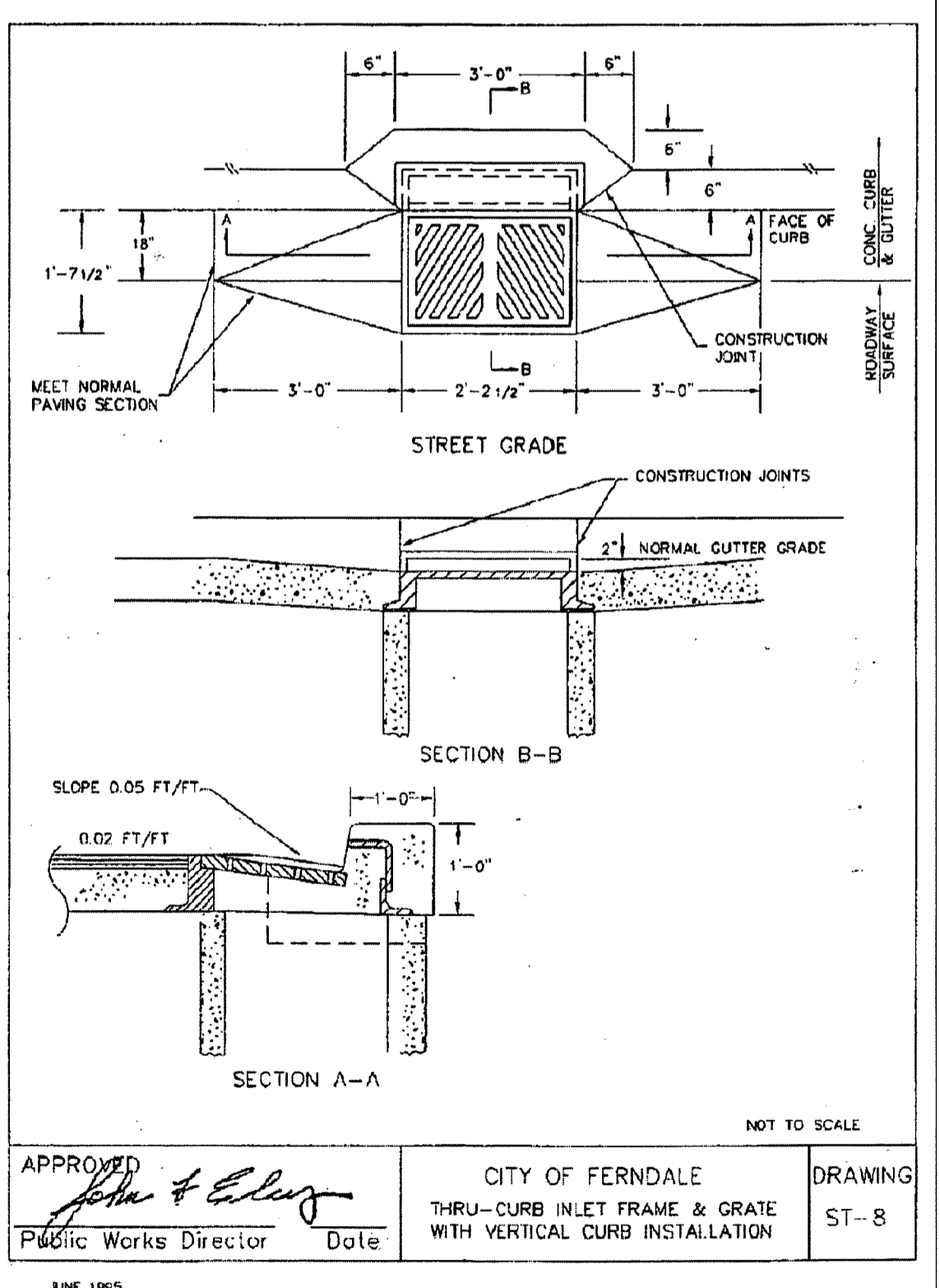
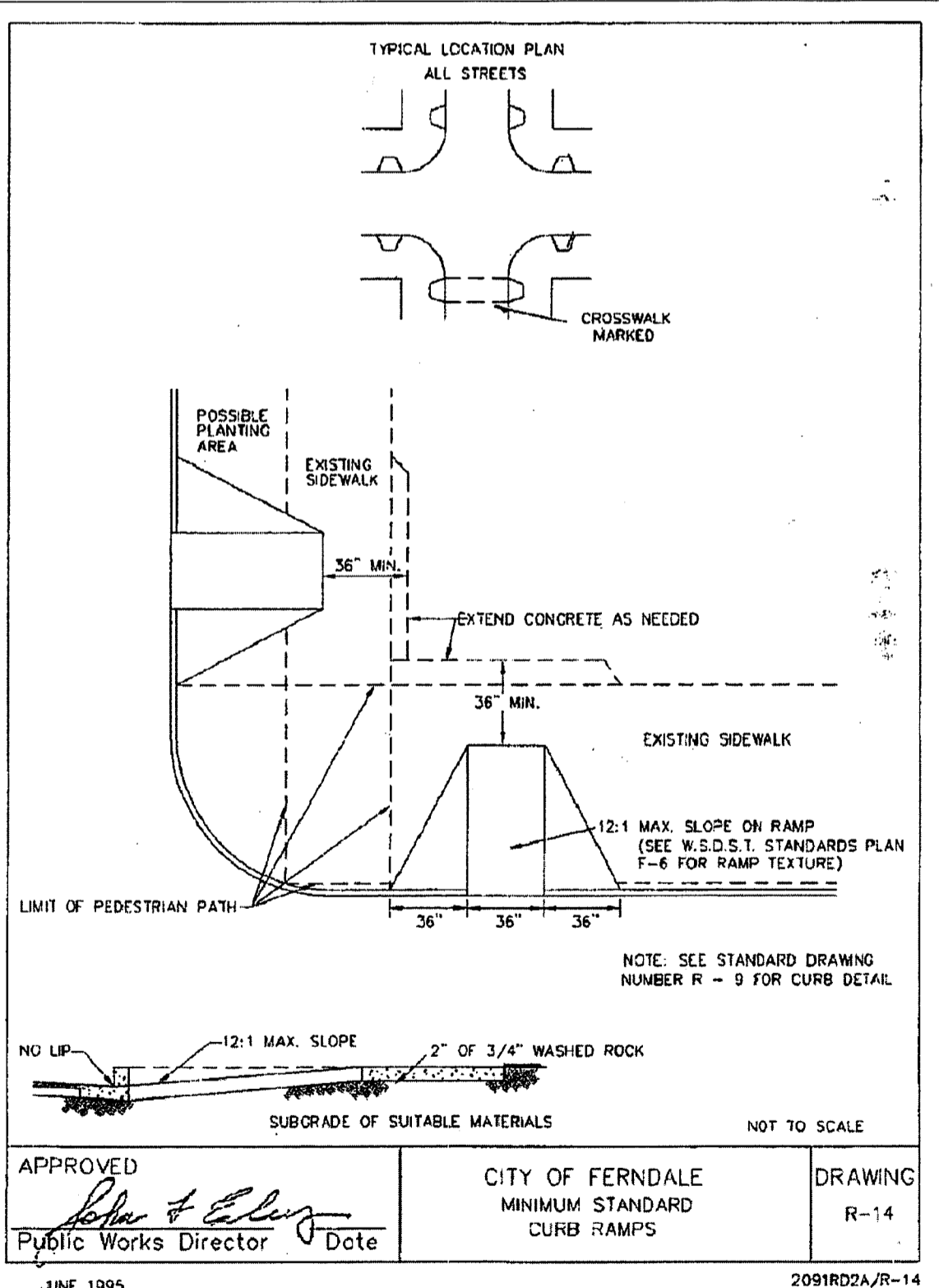
APPROVED: *[Signature]* DATE: \_\_\_\_\_  
CITY OF FERDALE  
MINIMUM STANDARD DRIVEWAY SECTIONS  
DRAWING: R-6  
NOT TO SCALE

APPROVED: *[Signature]* DATE: \_\_\_\_\_  
CITY OF FERDALE  
CURB AND GUTTER  
DRAWING: R-9  
NOT TO SCALE

APPROVED: *[Signature]* DATE: \_\_\_\_\_  
CITY OF FERDALE  
EXISTING ROADWAY RESTORATION REPAIR  
DRAWING: R-11  
NOT TO SCALE



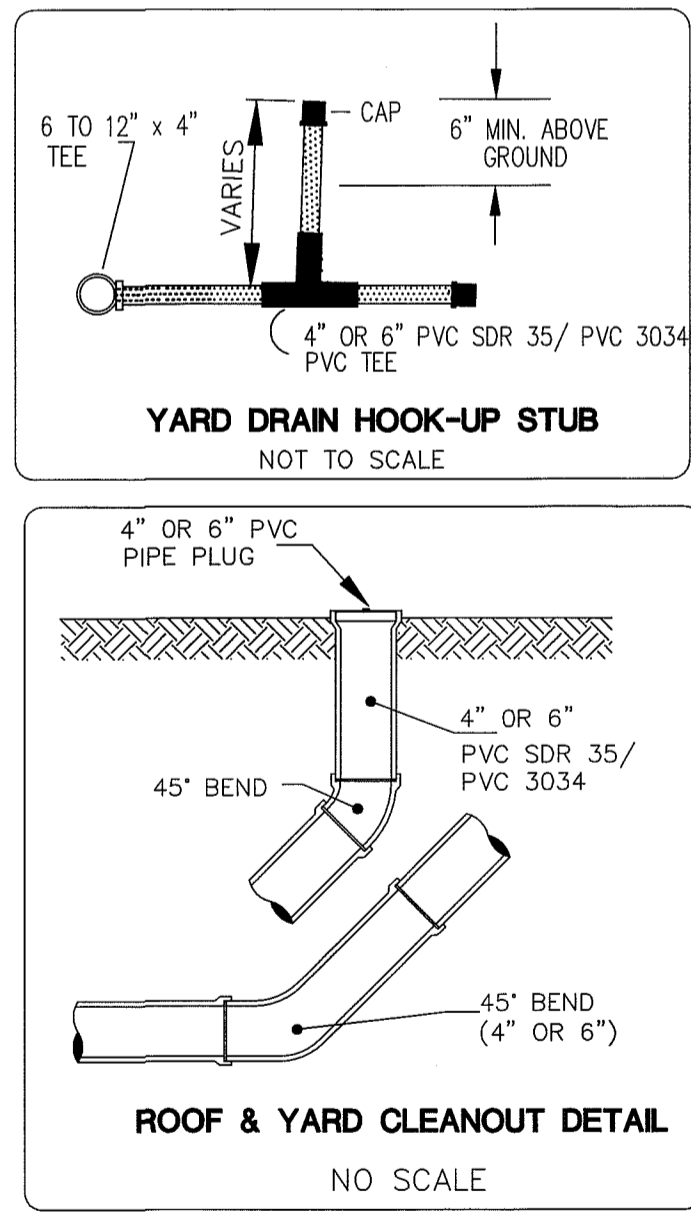
APPROVED  
JAN 07 2013  
BY: *[Signature]* P.S.  
CITY OF FERDALE



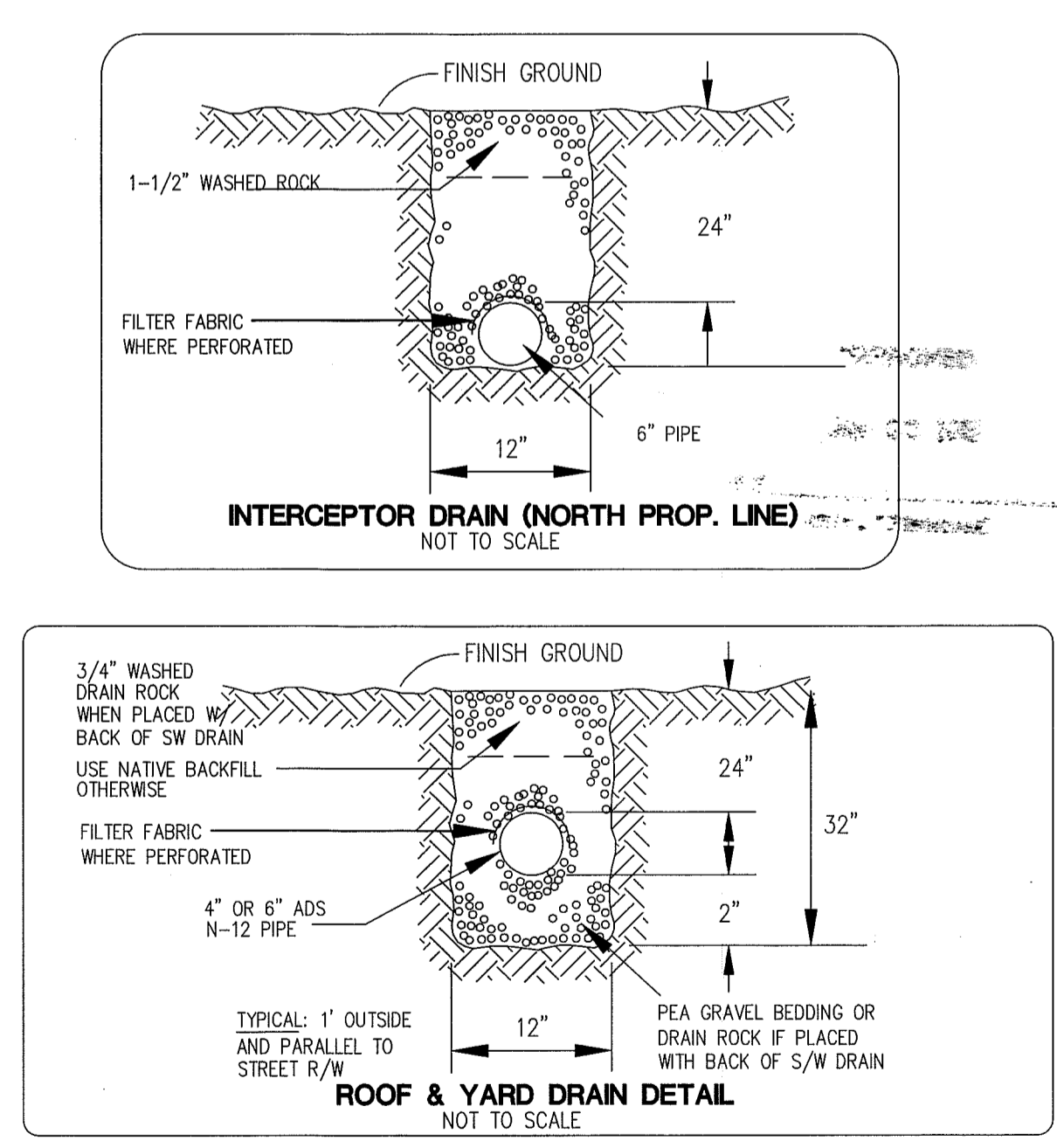
APPROVED: *[Signature]* DATE: \_\_\_\_\_  
CITY OF FERDALE  
MINIMUM STANDARD CURB RAMPS  
DRAWING: R-14  
NOT TO SCALE

APPROVED: *[Signature]* DATE: \_\_\_\_\_  
CITY OF FERDALE  
THRU-CURB INLET FRAME & GRATE WITH VERTICAL CURB INSTALLATION  
DRAWING: ST-8  
NOT TO SCALE

APPROVED: *[Signature]* DATE: \_\_\_\_\_  
CITY OF FERDALE  
CATCH BASIN TYPE I  
DRAWING: ST-1  
NOT TO SCALE

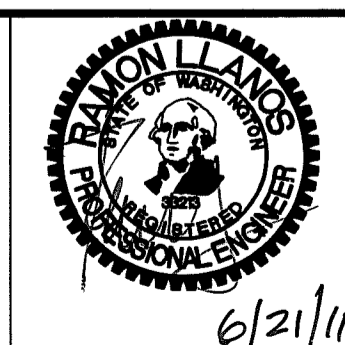


**STRAWBALE CHECK DAM**



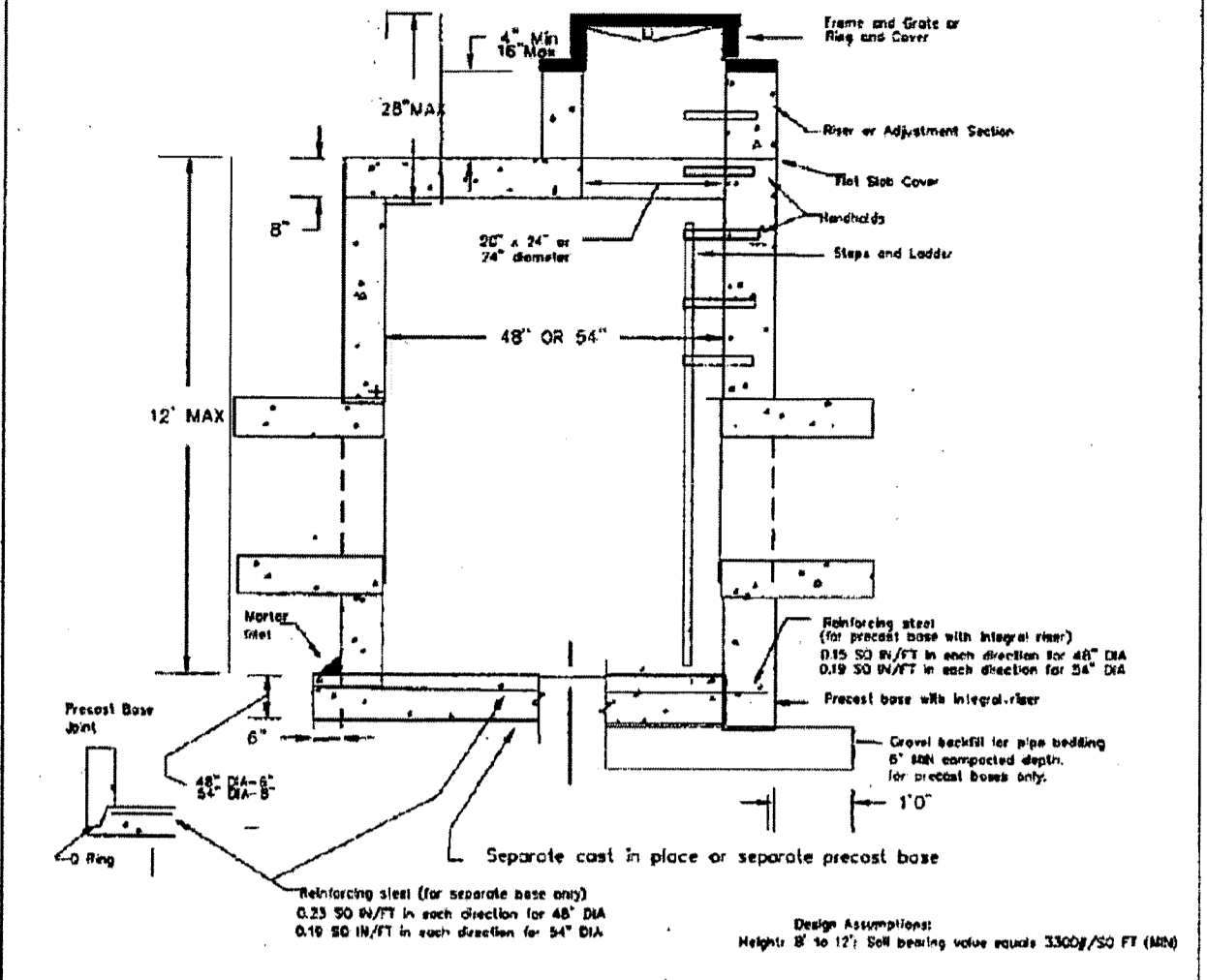
DRAWN BY: SR DATE: 08/21/11  
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JOB # 04603

**VISTA MEADOWS LONG PLAT**  
FOR: DAVID BRAITHWAITE



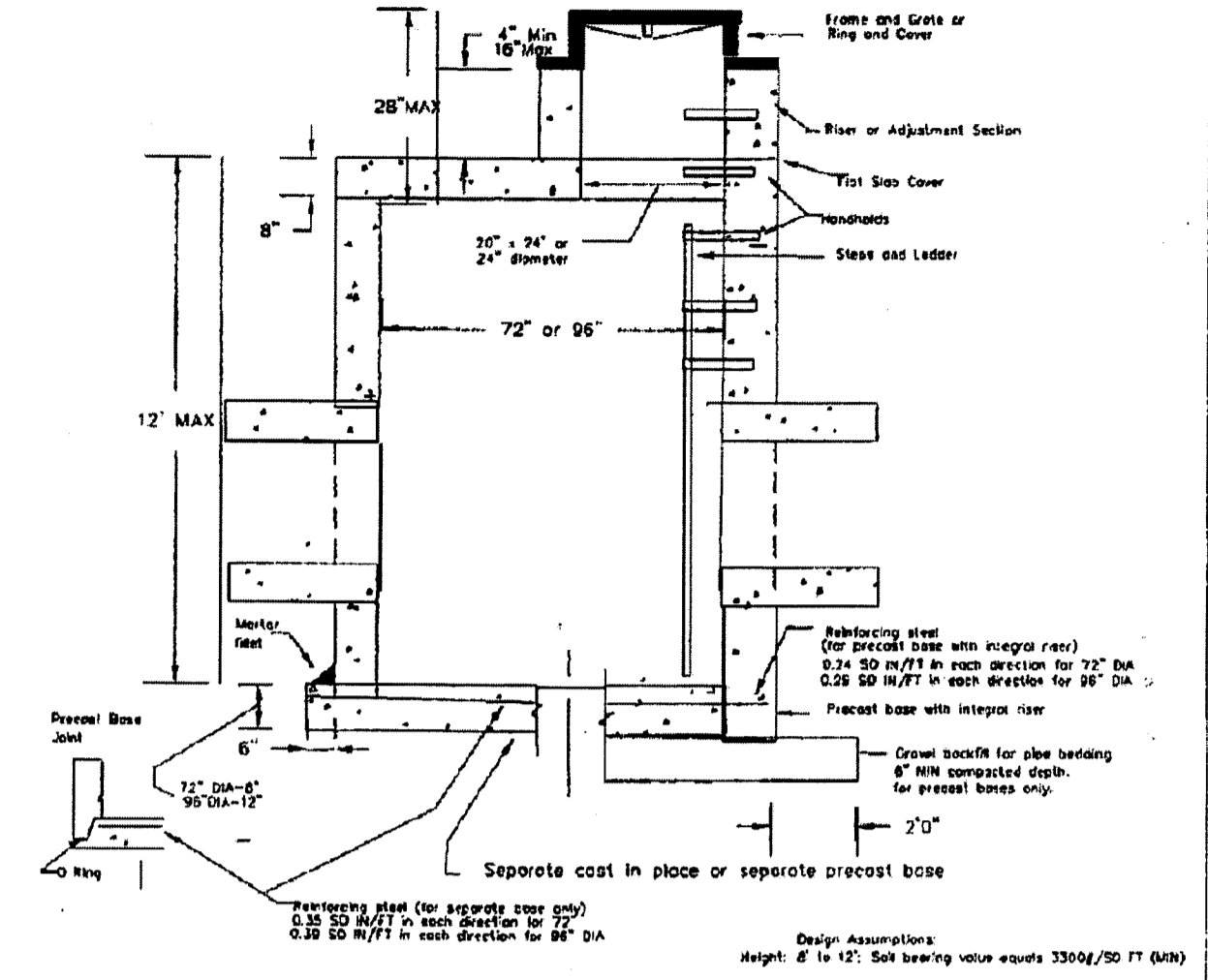
**LDES, INC.**  
5160 INDUSTRIAL PL #108  
FERDALE, WA 98248  
PHONE 360-383-0620  
FAX 360-383-0639

**VISTA MEADOWS LONG PLAT**  
STREET AND STORMDRAIN DETAIL  
AS-BUILT



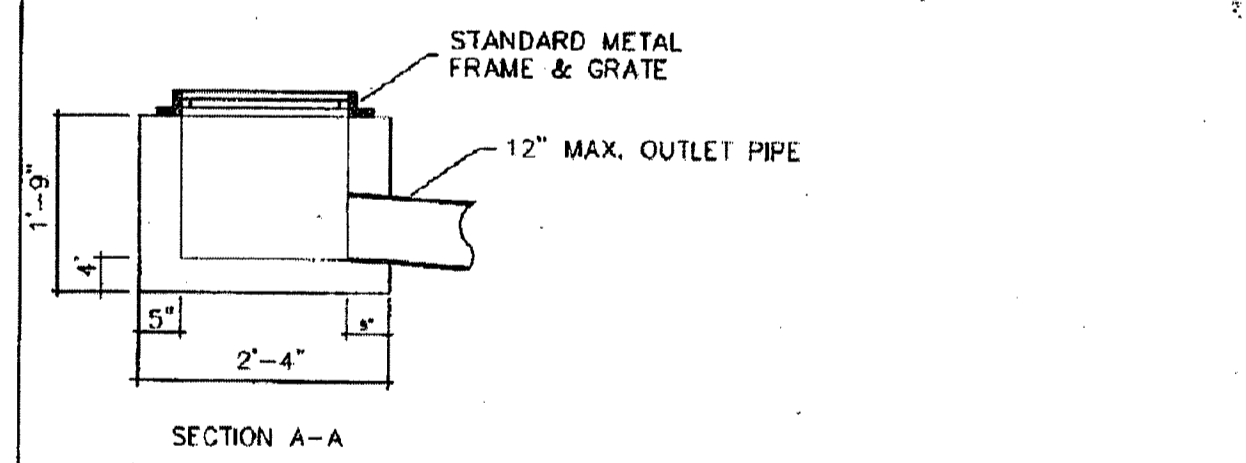
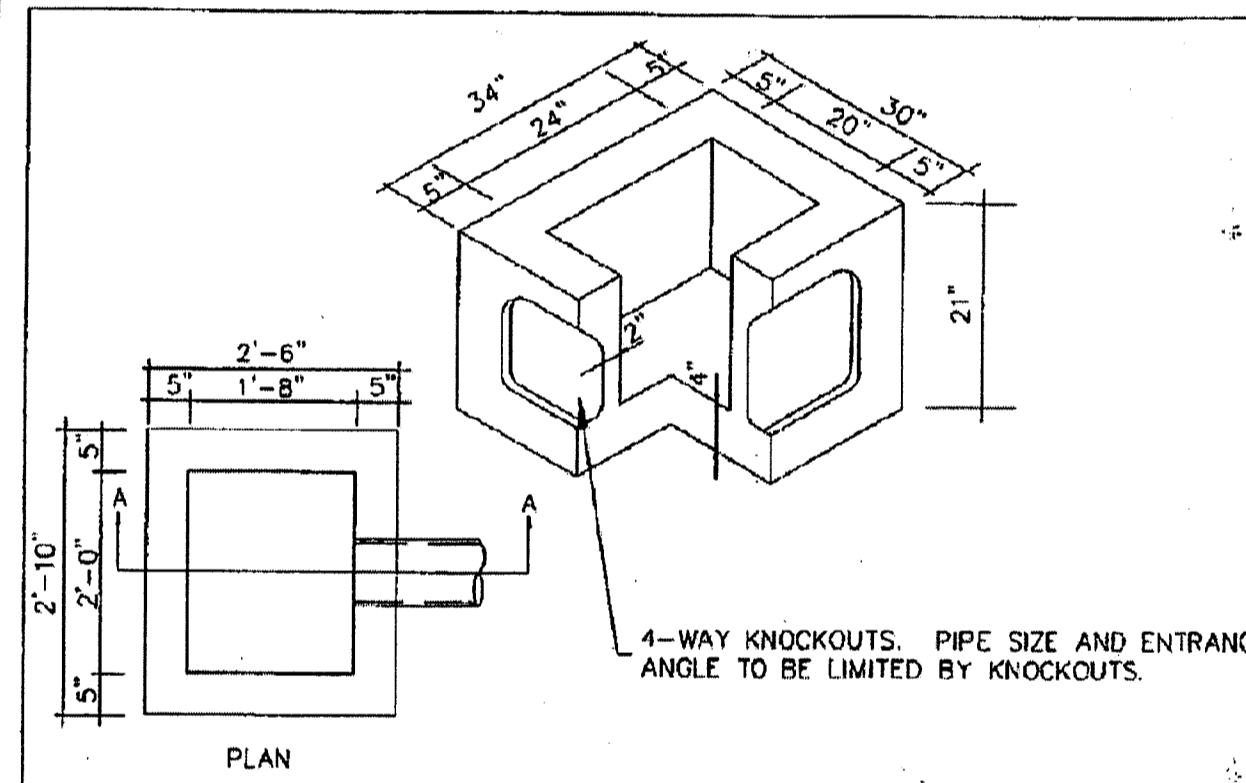
**Notes**  
 Catch basins to be constructed in accordance with ASTM C 478 (AASHTO M 199) C 890 unless otherwise shown on plans or noted in the standard specifications.  
 Handholds in riser or adjustment section shall have 3" minimum clearance. Steps in catch basin shall have 6" minimum clearance. No steps are required when height is 4" or less.  
 All reinforced cast in place concrete shall be Class A. Non-reinforced concrete in channel and shelf shall be Class C. All precast concrete shall be Class A.  
 Precast basins shall be furnished with cutout or knockouts. Knockouts shall have a wall thickness of 2" minimum. Maximum hole size is 12" for 48" catch basins and 18" for 72" catch basins. Minimum distance between holes is 12".  
 Frame and grate or riser and cover shall be in accordance with standard specifications and meet the strength requirements of Federal Specification RR-1-5210. Mating surfaces shall be finished to assure a non-rocking fit.  
 All pipe reinforcing steel shall have a minimum yield strength of 60,000 PSI and be placed in the upper part of the basin with 1" minimum clearance.  
 The bottom of the precast Catch Basin may be rounded.  
 Frame and grate may be isolated with flange down or cast into riser.

APPROVED: *John & Elroy*  
 Public Works Director Date  
 CITY OF FERDALE  
 TYPE 2 CATCH BASIN  
 48" & 54"  
 DRAWING ST-2  
 JUNE 1995



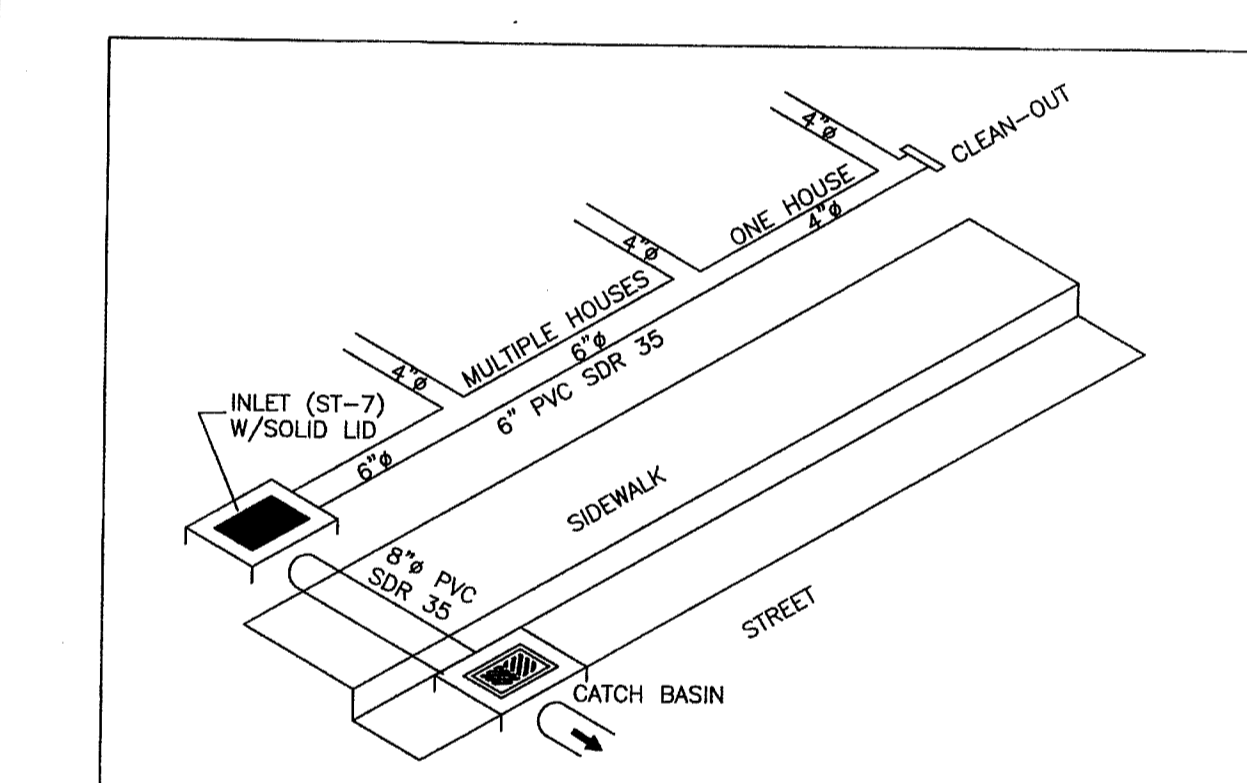
**Notes**  
 Catch basins to be constructed in accordance with ASTM C 478 (AASHTO M 199) C 890 unless otherwise shown on plans or noted in the standard specifications.  
 Handholds in riser or adjustment section shall have 3" minimum clearance. Steps in catch basin shall have 6" minimum clearance. No steps are required when height is 4" or less.  
 All reinforced cast in place concrete shall be Class A. Non-reinforced concrete in channel and shelf shall be Class C. All precast concrete shall be Class A.  
 Precast basins shall be furnished with cutout or knockouts. Knockouts shall have a wall thickness of 2" minimum. Maximum hole size is 18" for 72" catch basins. Minimum distance between holes is 12".  
 Frame and grate or riser and cover shall be in accordance with standard specifications and meet the strength requirements of Federal Specification RR-1-5210. Mating surfaces shall be finished to assure a non-rocking fit.  
 All pipe reinforcing steel shall have a minimum yield strength of 60,000 PSI and be placed in the upper part of the basin with 1" minimum clearance.  
 The bottom of the precast Catch Basin may be rounded.  
 Frame and grate may be isolated with flange down or cast into riser.

APPROVED: *John & Elroy*  
 Public Works Director Date  
 CITY OF FERDALE  
 TYPE 2 CATCH BASIN  
 72" & 96"  
 DRAWING ST-3  
 JUNE 1995



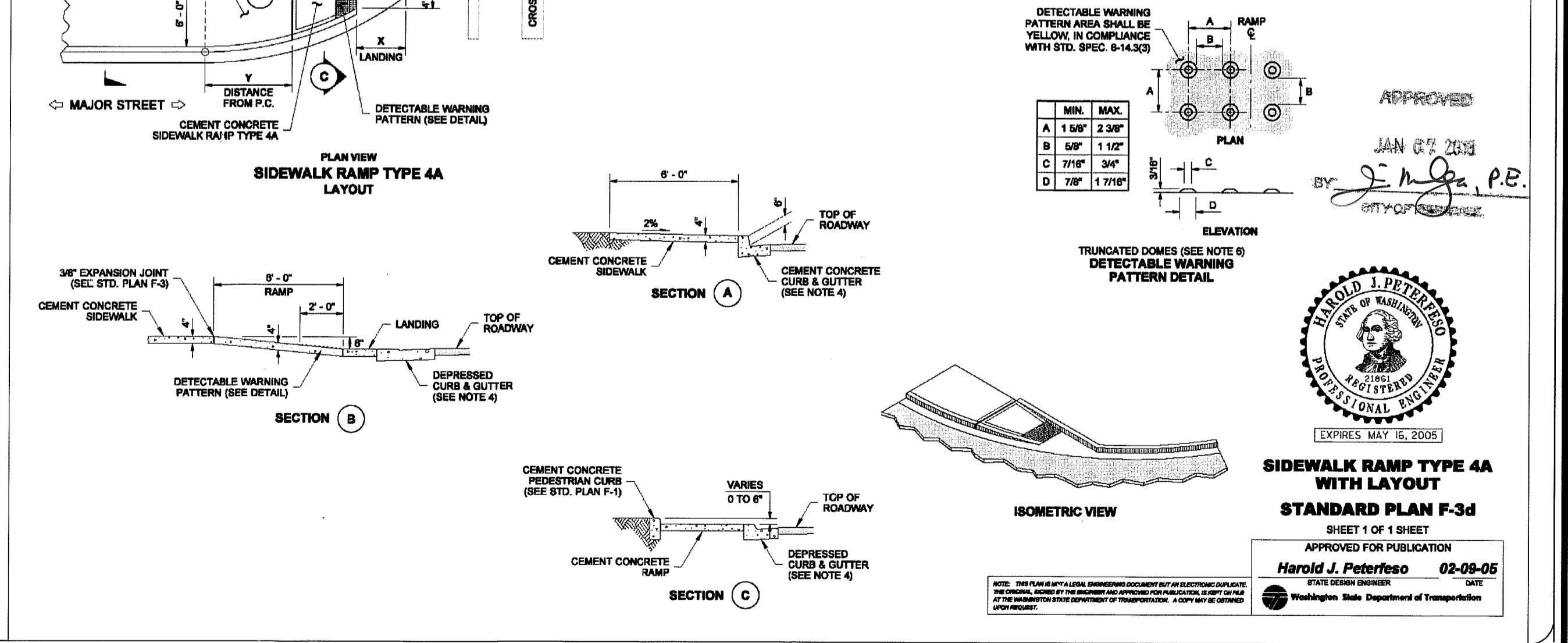
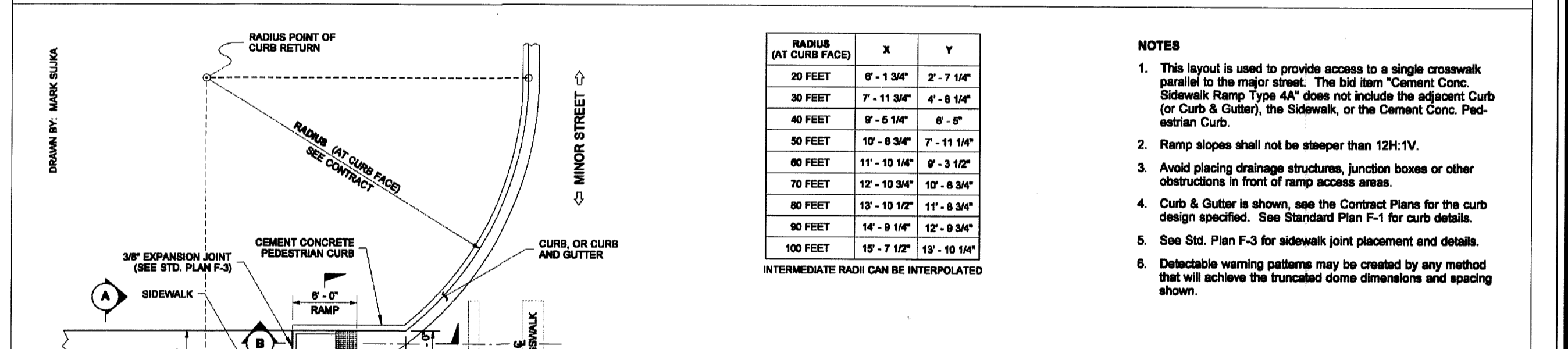
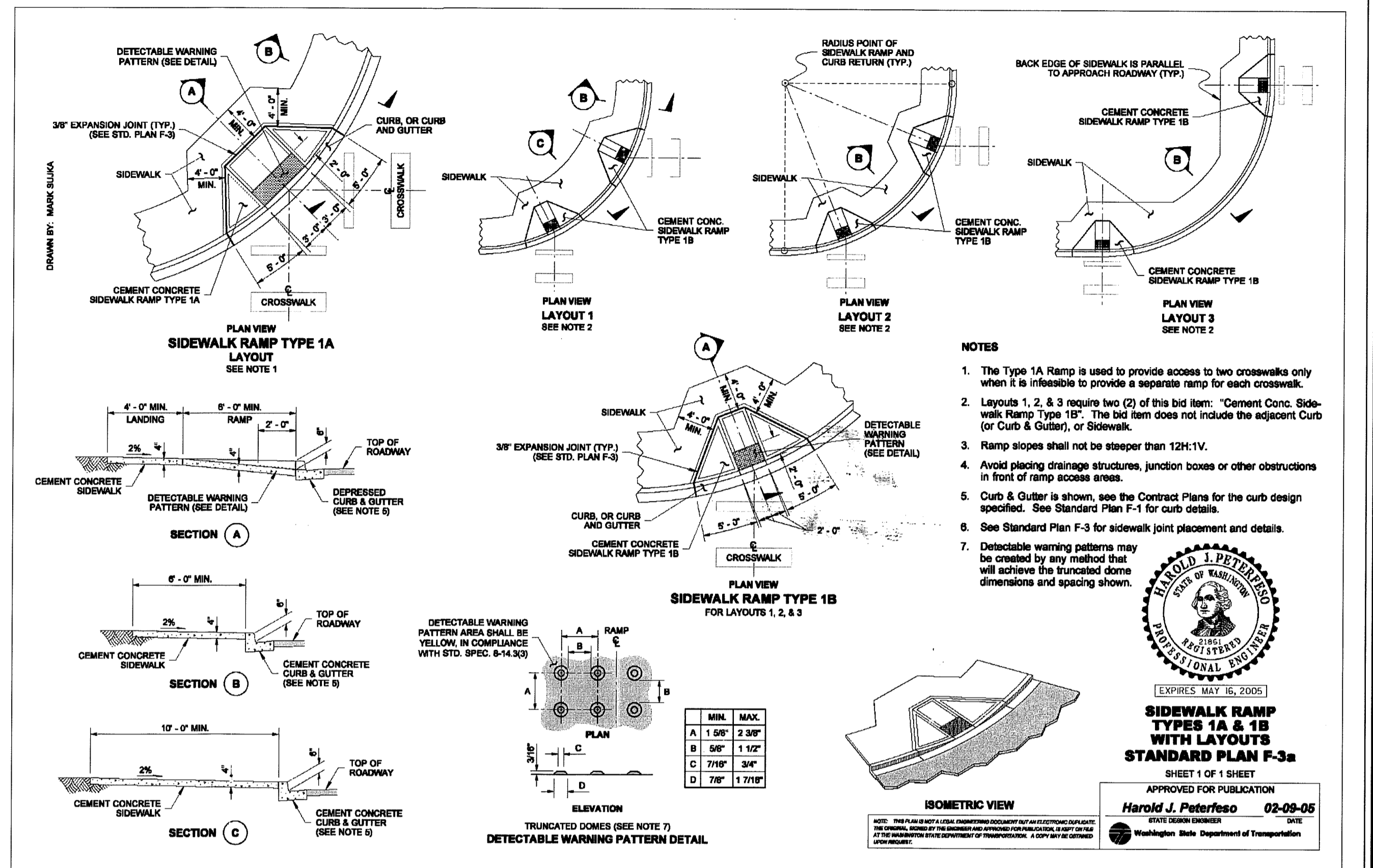
**NOTES:**  
 1) UNIT IS DESIGNED TO PICK UP SURFACE DRAINAGE A SHORT DISTANCE FROM CATCH BASIN.  
 2) CAST IN PLACE OR MASONRY CONSTRUCTION UNITS MAY BE SUBSTITUTED AS PER APWA STANDARDS OR STATE STANDARDS.  
 3) FOR DETAILS OF REINFORCEMENT OR INSTALLATION SEE APWA STANDARDS OR STATE STANDARDS.

APPROVED: *John & Elroy*  
 Public Works Director Date  
 CITY OF FERDALE  
 INLET DETAIL  
 DRAWING ST-7  
 JUNE 1995



**NOTES:**  
 1. ENGINEER SHALL DESIGN ALL STORM STUB INVERT ELEVATIONS TO FACILITATE 2% SLOPE FROM 2' BELOW THE LOWEST POINT OF THE BUILDING ENVELOPE.  
 2. LOT/ROOF DRAIN SERVICES SHALL BE MIN. 4" WHITE PVC PIPE ASTM D 3034 SDR 35. MULTIPLE RESIDENTIAL STORM DRAIN SERVICES SHALL BE 6" WHITE PVC PIPE, DRAINING TO CFSO SD-7A INLET. 8" WHITE PVC PIPE SHALL BE USED TO CONNECT EACH ST-7A INLET TO A NEARBY TYPE 1A, TYPE 1A OR TYPE 2A CATCH BASIN.  
 3. EACH DRAINAGE SERVICE STUB SHALL BE CAPPED WITH WATERTIGHT PLUG. EACH STUB SHALL BE MARKED FOR LOCATION WITH A 2" DIA. WHITE PVC PIPE (MIN. SCHEDULE 40) WITH THE TOP 18" STENCILED WITH THE WORD "DRAIN" AND THE PIPE INVERT INDICATED. THE LOCATION MARKER SHALL BE CONNECTED TO THE SERVICE STUB BY A #12 COPPER WIRE.  
 4. UNLESS OTHERWISE SPECIFIED, CAST IRON PRODUCTS SHALL CONFORM TO ASTM DESIGNATION "A 48 CLASS 30" AND DUCTILE IRON PRODUCTS TO ASTM "A 536 GRADE 80-55-06".  
 5. ALL DRAIN STRUCTURES, SUCH AS INLETS, CATCH BASINS, AND MANHOLES NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK SHALL HAVE SOLID LOCKING LIDS MARKED "DRAIN".

APPROVED: *John & Elroy*  
 Public Works Director Date  
 CITY OF FERDALE  
 POSITIVE LOT DRAIN  
 DETAIL ST-16A  
 JUNE 1995



APPROVED: *John & Elroy*  
 Public Works Director Date  
 CITY OF FERDALE  
 POSITIVE LOT DRAIN  
 DETAIL ST-16A  
 JUNE 1995

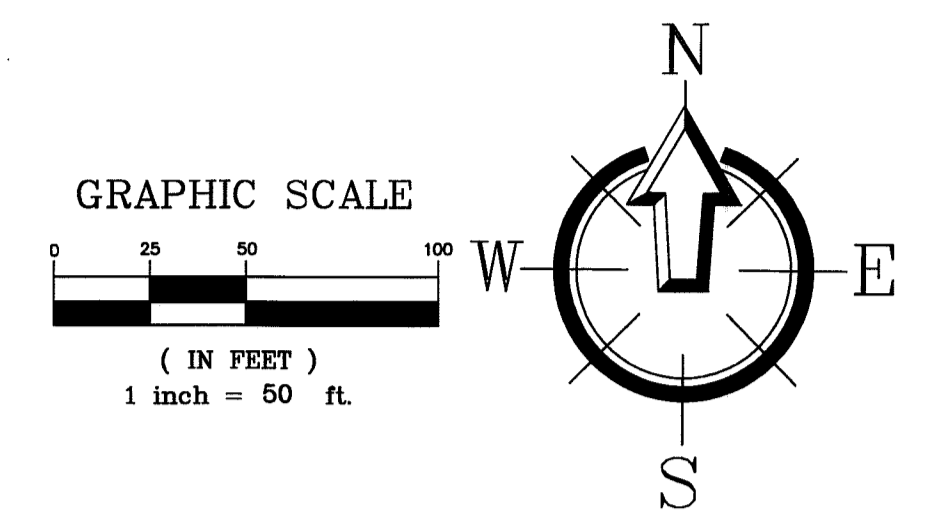
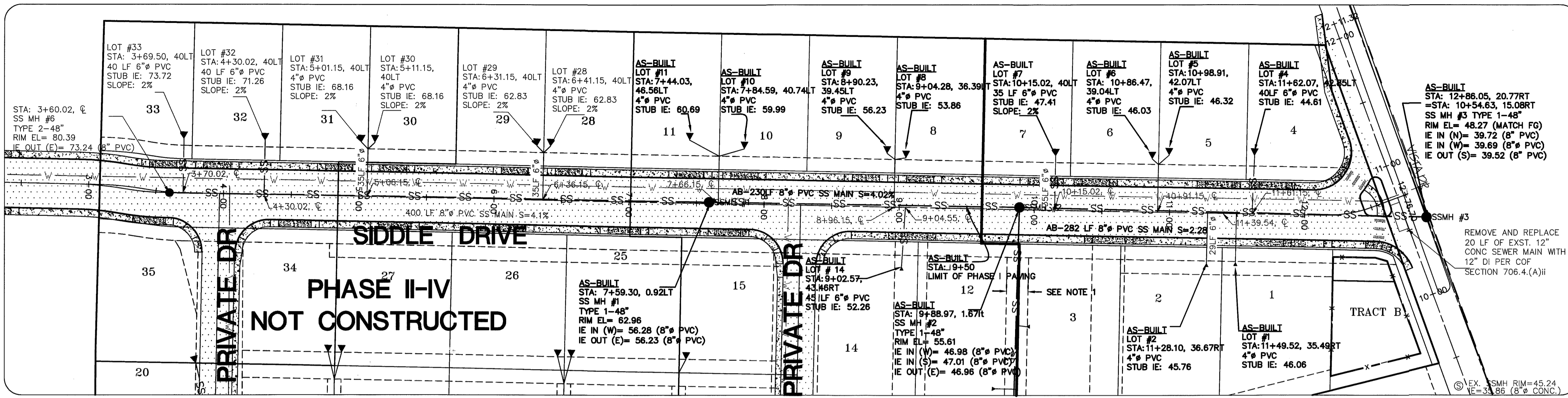
DRAWN BY: SR DATE 06/21/11  
 CHECKED BY: RL DATE 06/21/11  
**VISTA MEADOWS LONG PLAT**  
 FOR: DAVID BRAITHWAITE

**LDES, INC.**  
 5160 INDUSTRIAL PL #108  
 FERDALE, WA 98248  
 PHONE 360-383-0620  
 FAX 360-383-0639

**VISTA MEADOWS LONG PLAT**  
 STREET AND STORMDRAIN DETAIL  
 AS-BUILT

SHEET 11 OF 19

18 11/21/13 110 114980



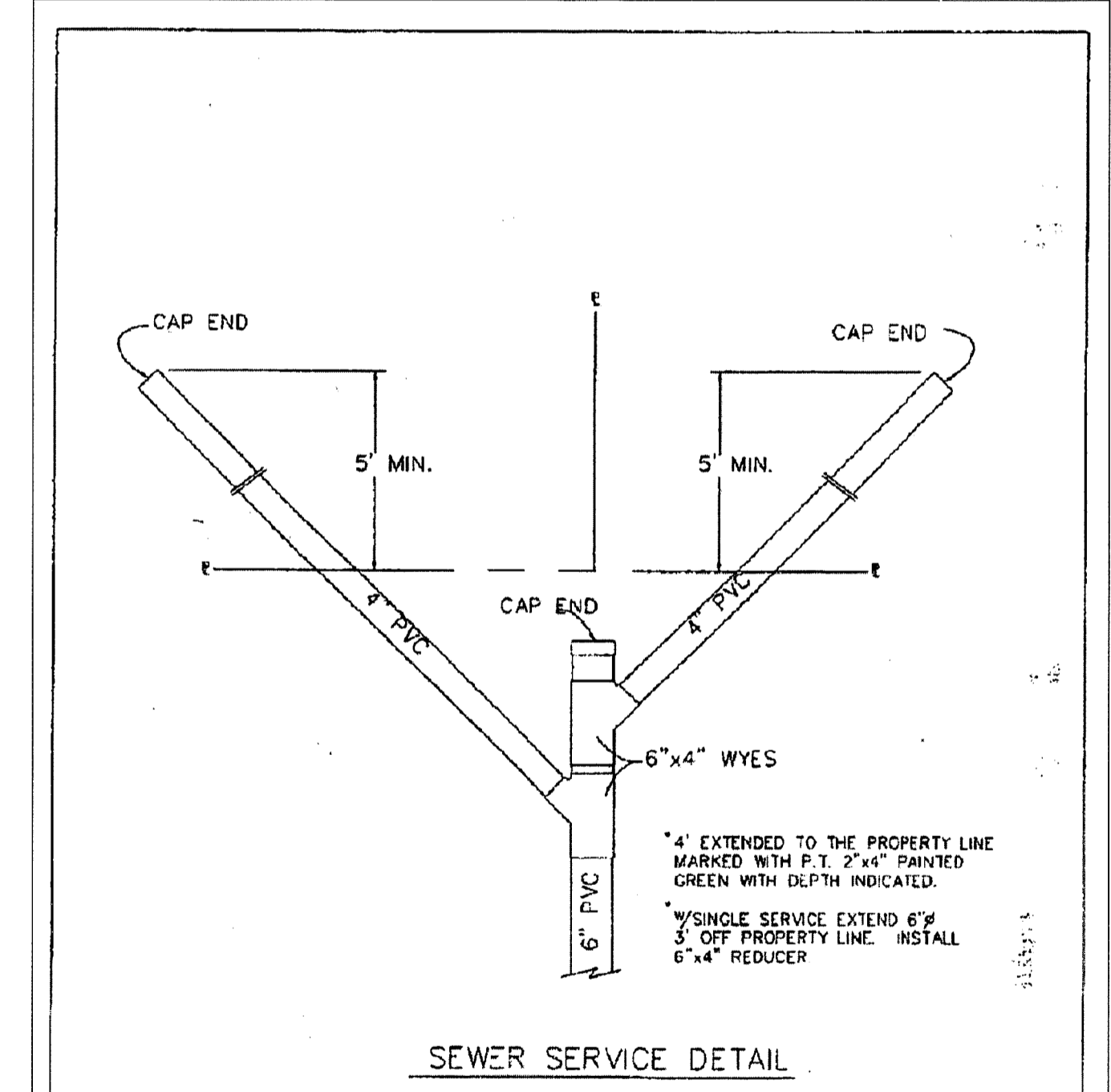
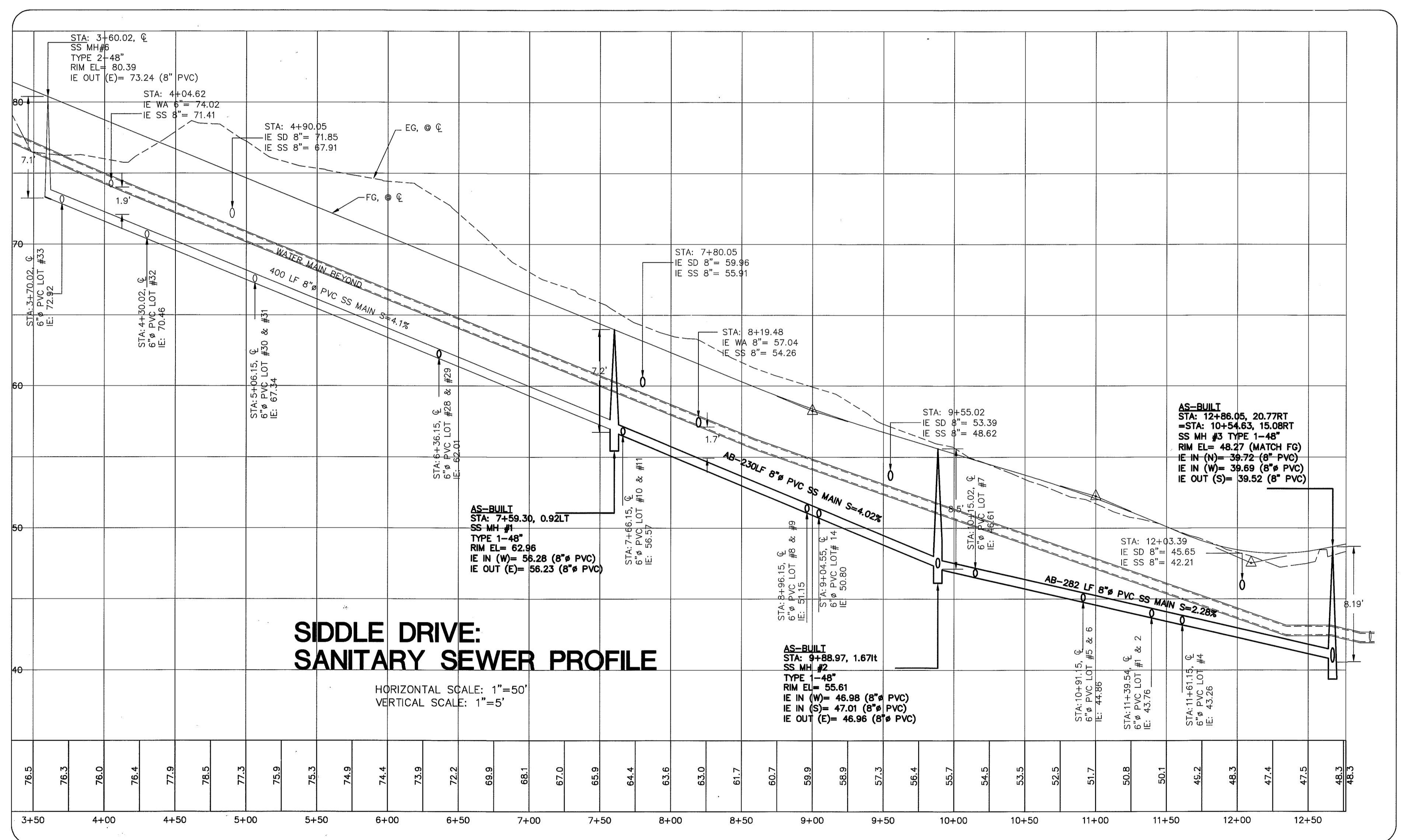
**LEGEND**

- - - - - EXISTING SANITARY SEWER MAIN
- - - - - EXISTING SS MANHOLE
- SS CLEAN-OUT
- SS MANHOLE
- SS SANITARY SEWER MAIN
- SS SANITARY SEWER STUB
- [Hatched Box] ASPHALT ROAD
- [Dotted Box] CONC. SIDEWALK
- - - - - EASEMENT LINE

APPROVED  
 JAN 07 2013  
 BY *J. H. P.E.*  
 CITY OF FERDALE

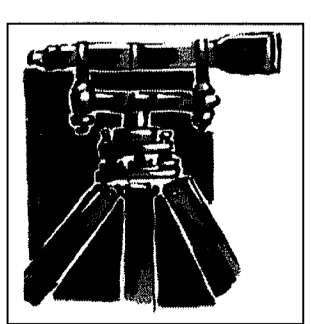
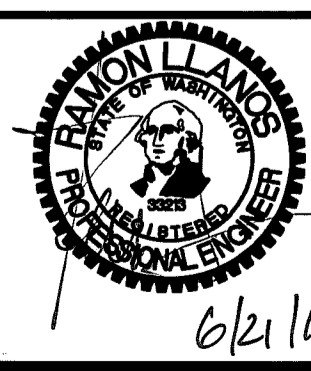
NOTE 1:  
 THE CITY SHALL NOT BE RESPONSIBLE FOR COSTS ASSOCIATED WITH RESTORATION OF ANY STRUCTURE OR LANDSCAPING LOCATED WITHIN THE EASEMENT OTHER THAN BACKFILLING AN EXCAVATION REQUIRED TO MAKE REPAIRS AND/OR MAINTAIN THE SEWER MAIN.

NOTE:  
 ALL DOUBLE SANITARY SERVICE CONNECTIONS ARE TO BE PER CITY OF FERDALE STANDARD DETAIL SS-13.



APPROVED  
*John & Elsie*  
 Public Works Director Date  
 CITY OF FERDALE  
 DOUBLE SANITARY SEWER SERVICE  
 DRAWING SS-13  
 2015E4A/SS-13

DRAWN BY MF DATE 06/21/11  
 CHECKED BY RL DATE 06/21/11  
**VISTA MEADOWS LONG PLAT**  
 JOB # 04603 FOR: DAVID BRAITHWAITE

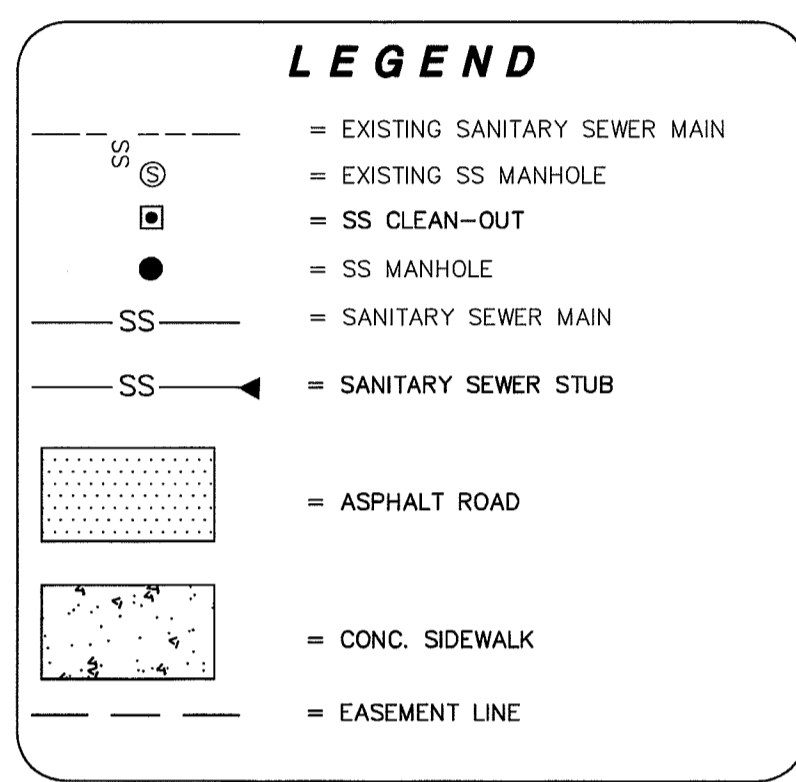
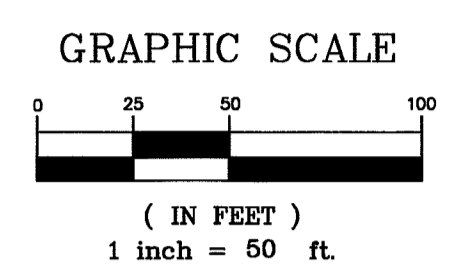
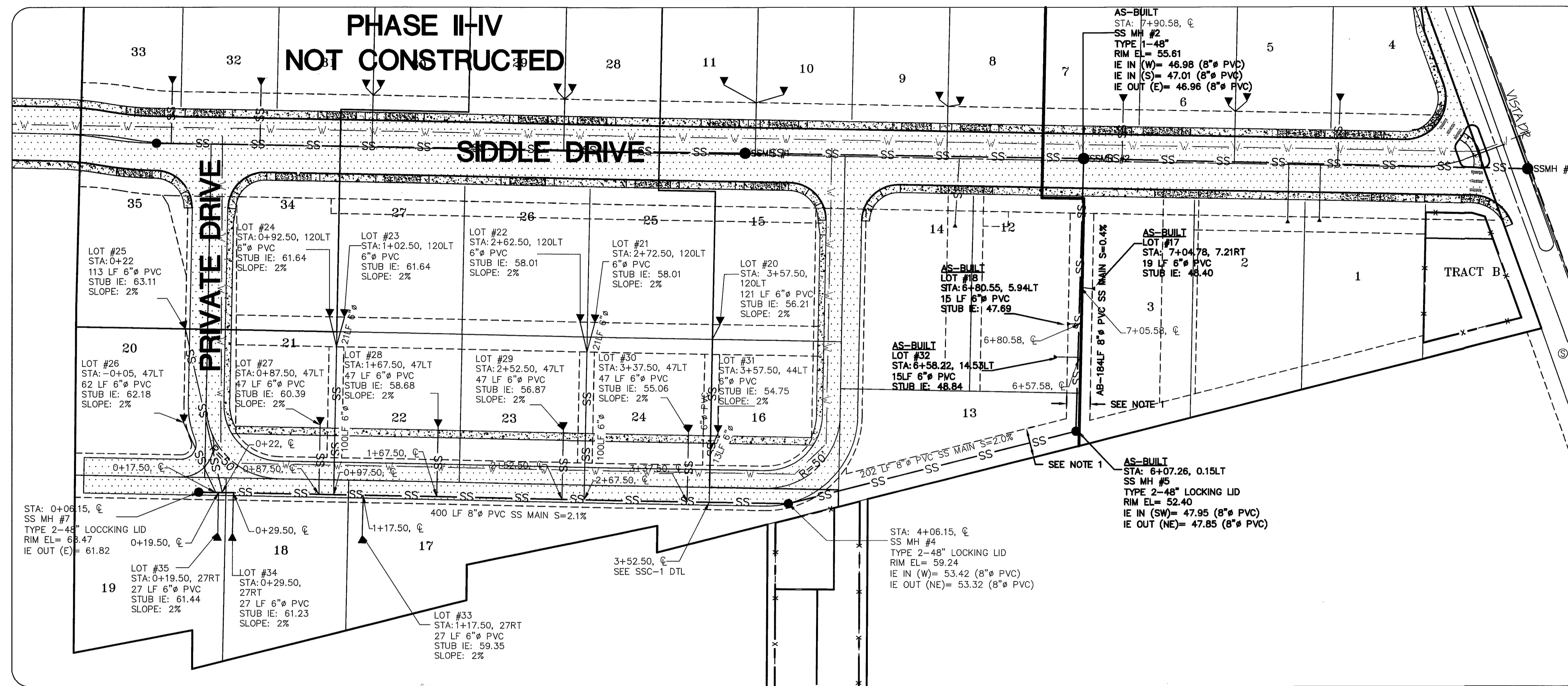


**LDES, INC.**  
 5160 INDUSTRIAL PL #108  
 FERDALE, WA 98248  
 PHONE 360-383-0620  
 FAX 360-383-0639

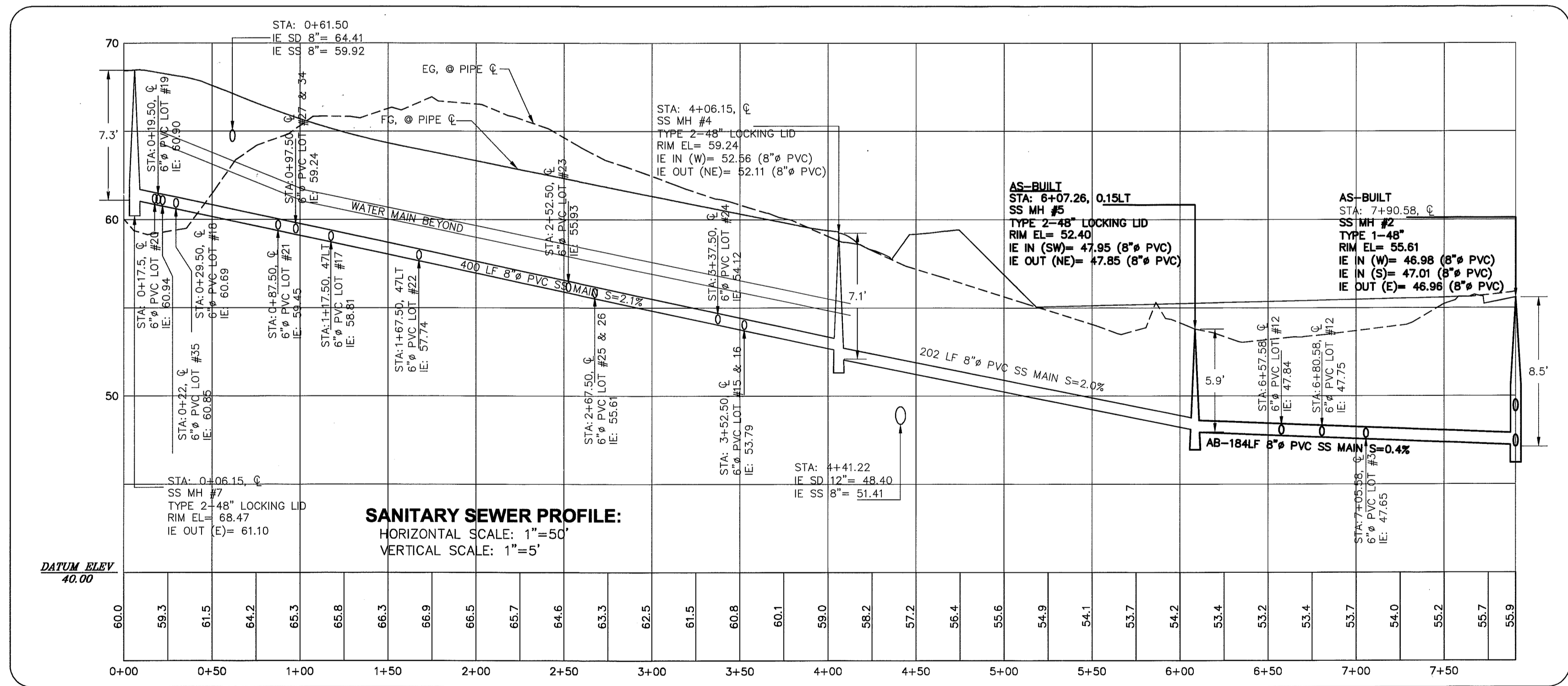
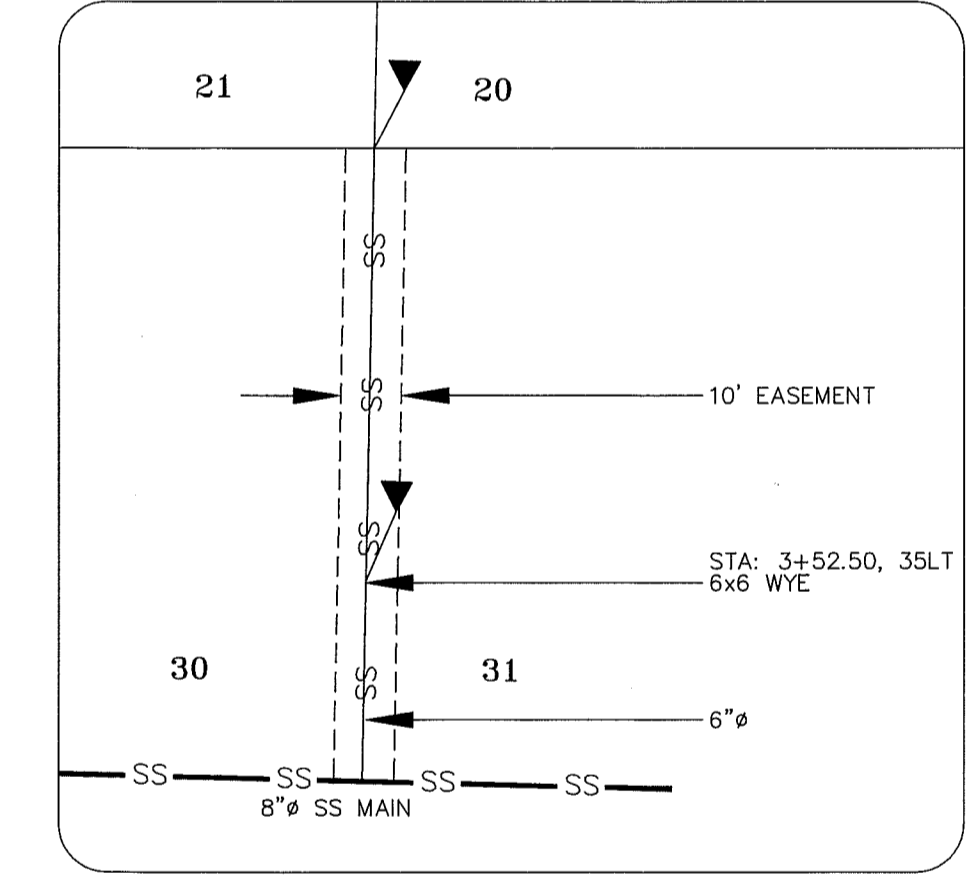
**VISTA MEADOWS LONG PLAT**  
**SIDDLE DRIVE**  
**SANITARY SEWER PLAN AND PROFILE**  
**AS-BUILT**

b0544.012 1/29/13 sh

00544.013 1/21/13 SH



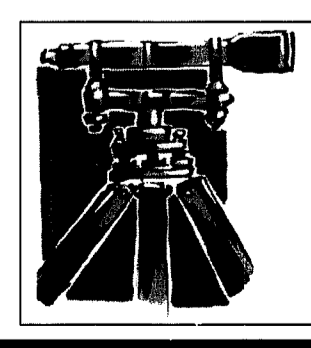
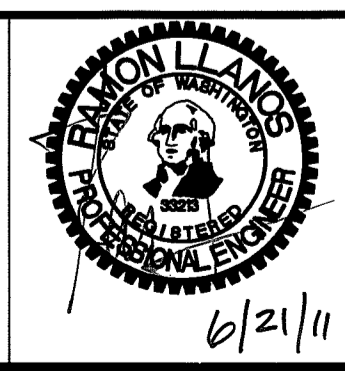
NOTE 1:  
 THE CITY SHALL NOT BE RESPONSIBLE FOR COSTS ASSOCIATED WITH RESTORATION OF ANY STRUCTURE OR LANDSCAPING LOCATED WITHIN THE SANITARY SEWER EASEMENT LOCATED OUTSIDE THE CITY RIGHT OF WAY OTHER THAN BACKFILLING AND EXCAVATION REQUIRED TO MAKE REPAIRS AND/OR MAINTAIN THE SEWER MAIN.



APPROVED  
 JAN 07 2013  
 J. P. E.  
 PROJECT ENGINEER

DRAWN BY MF DATE 06/21/11  
 CHECKED BY RL DATE 09/21/11  
 JOB # 04603

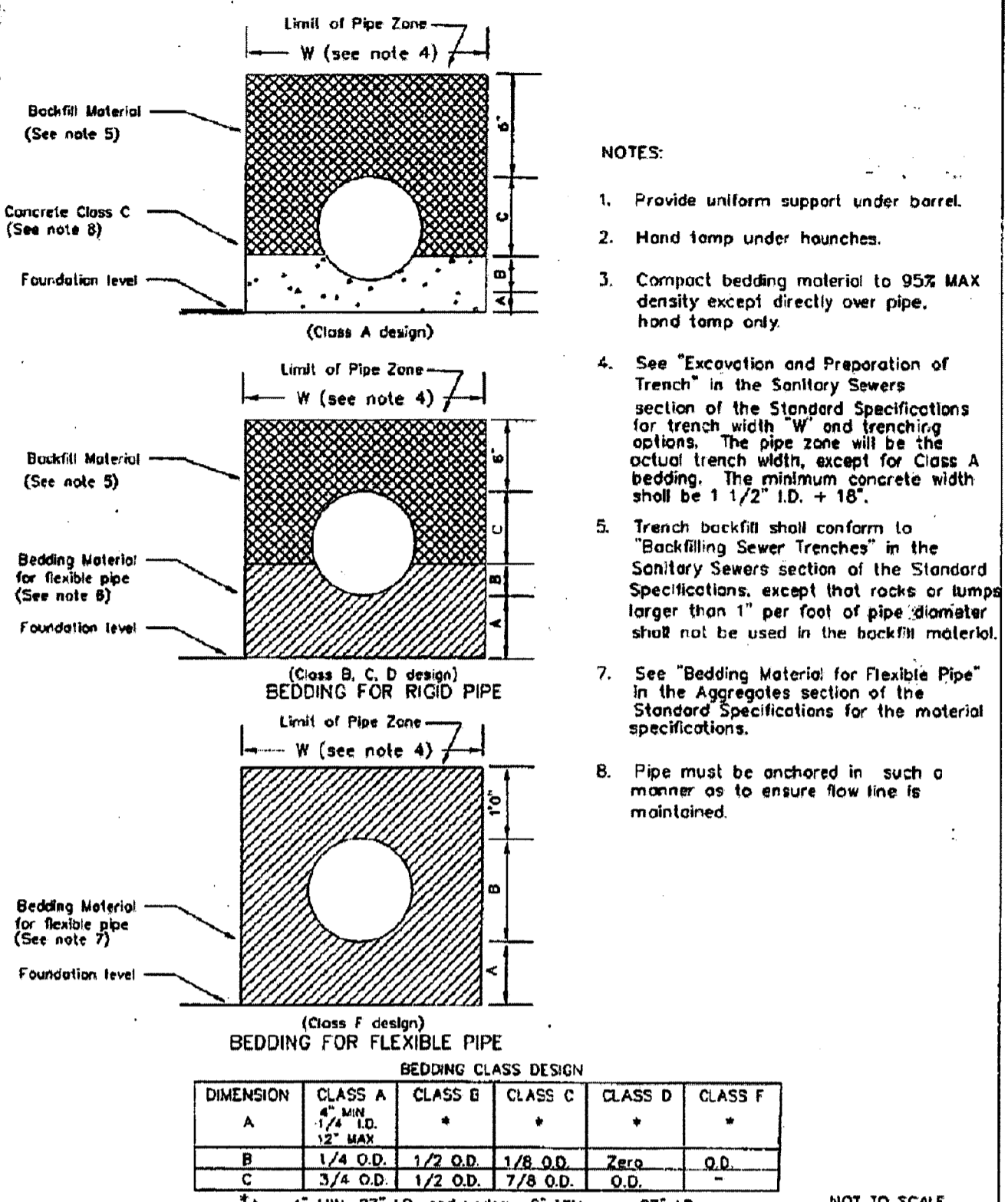
**VISTA MEADOWS LONG PLAT**  
 FOR: DAVID BRAITHWAITE



**LDES, INC.**  
 5160 INDUSTRIAL PL #108  
 FERNDALE, WA 98248  
 PHONE 360-383-0620  
 FAX 360-383-0639

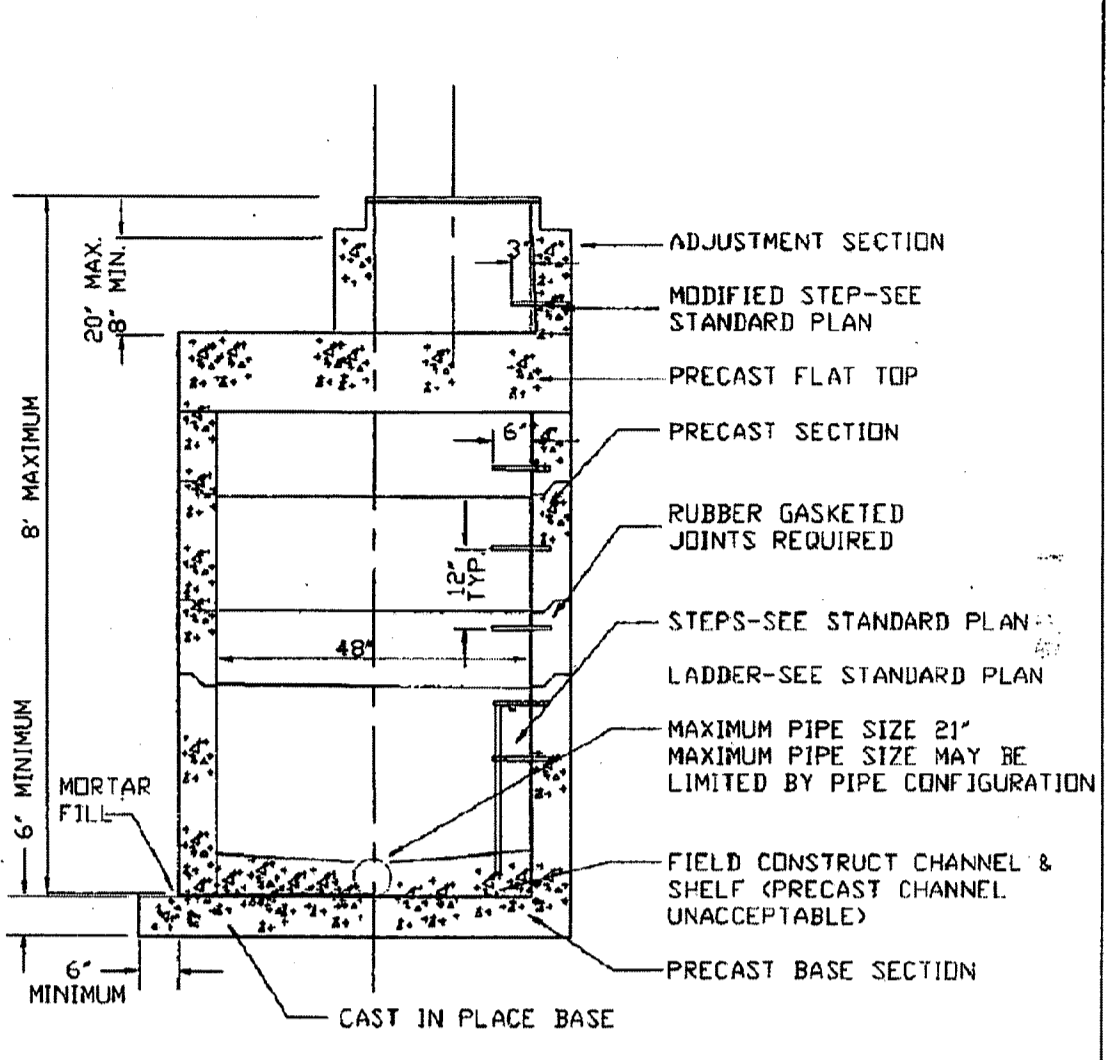
**VISTA MEADOWS LONG PLAT**  
 LOWER LOTS  
 SANITARY SEWER PLAN AND PROFILE  
 AS-BUILT

1/29/13 HIO-H-900



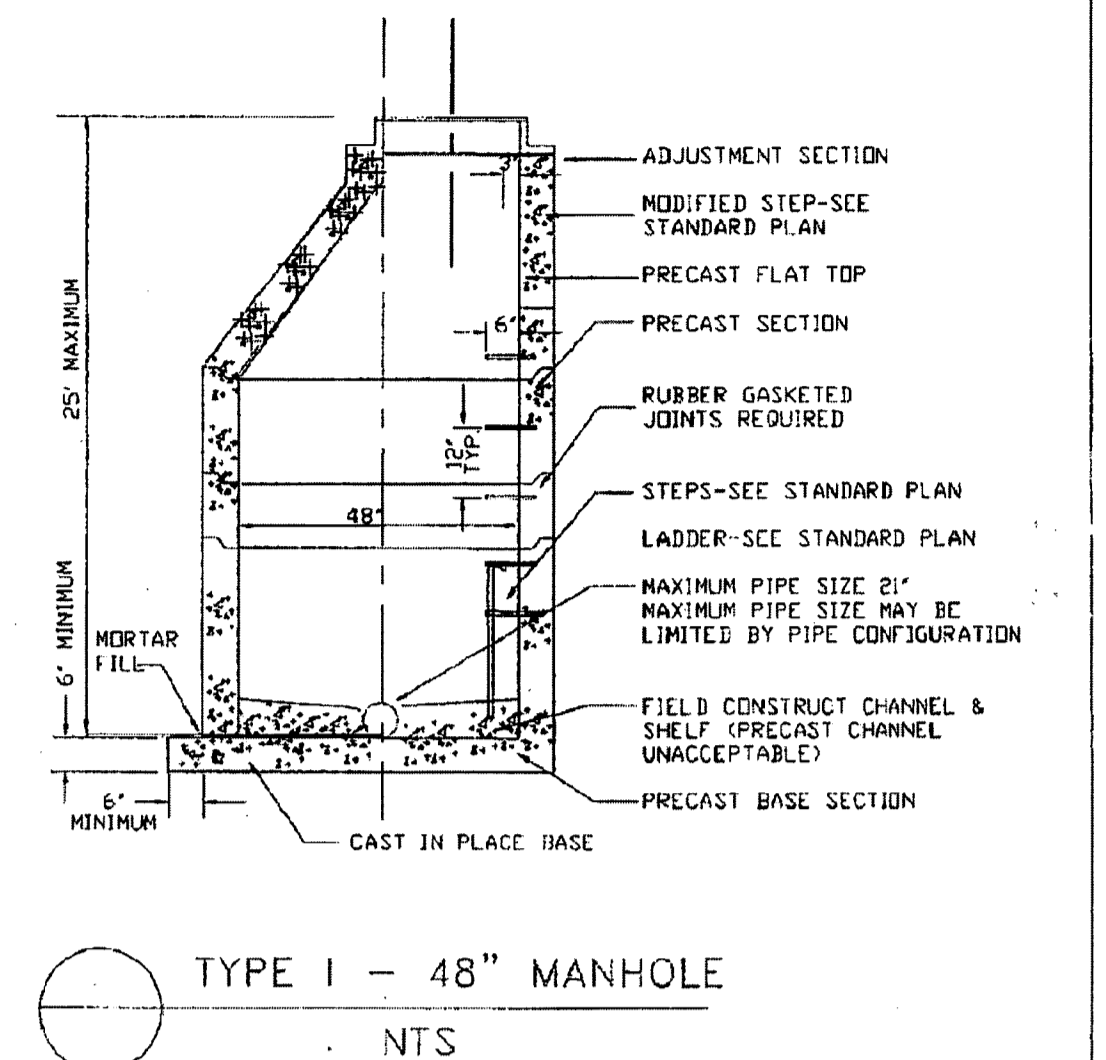
APPROVED *John & Eley* CITY OF FERNDAL  
Public Works Director Date PIPE BEDDING FOR SANITARY SEWERS DRAWING SS-1

JUNE 1995



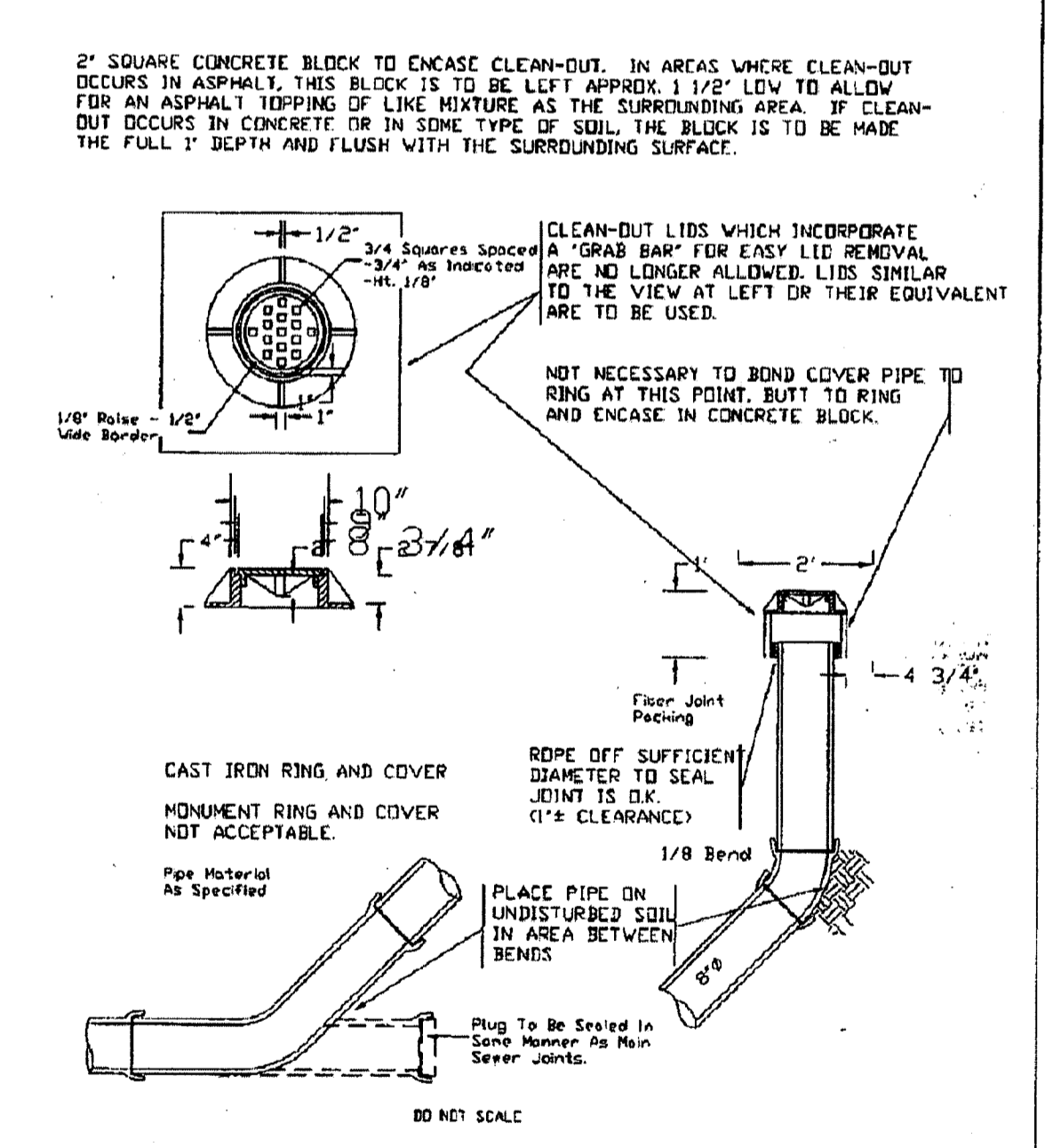
APPROVED *John & Eley* CITY OF FERNDAL  
Public Works Director Date TYPE II 48" MANHOLE DRAWING SS-3

JANUARY 1993



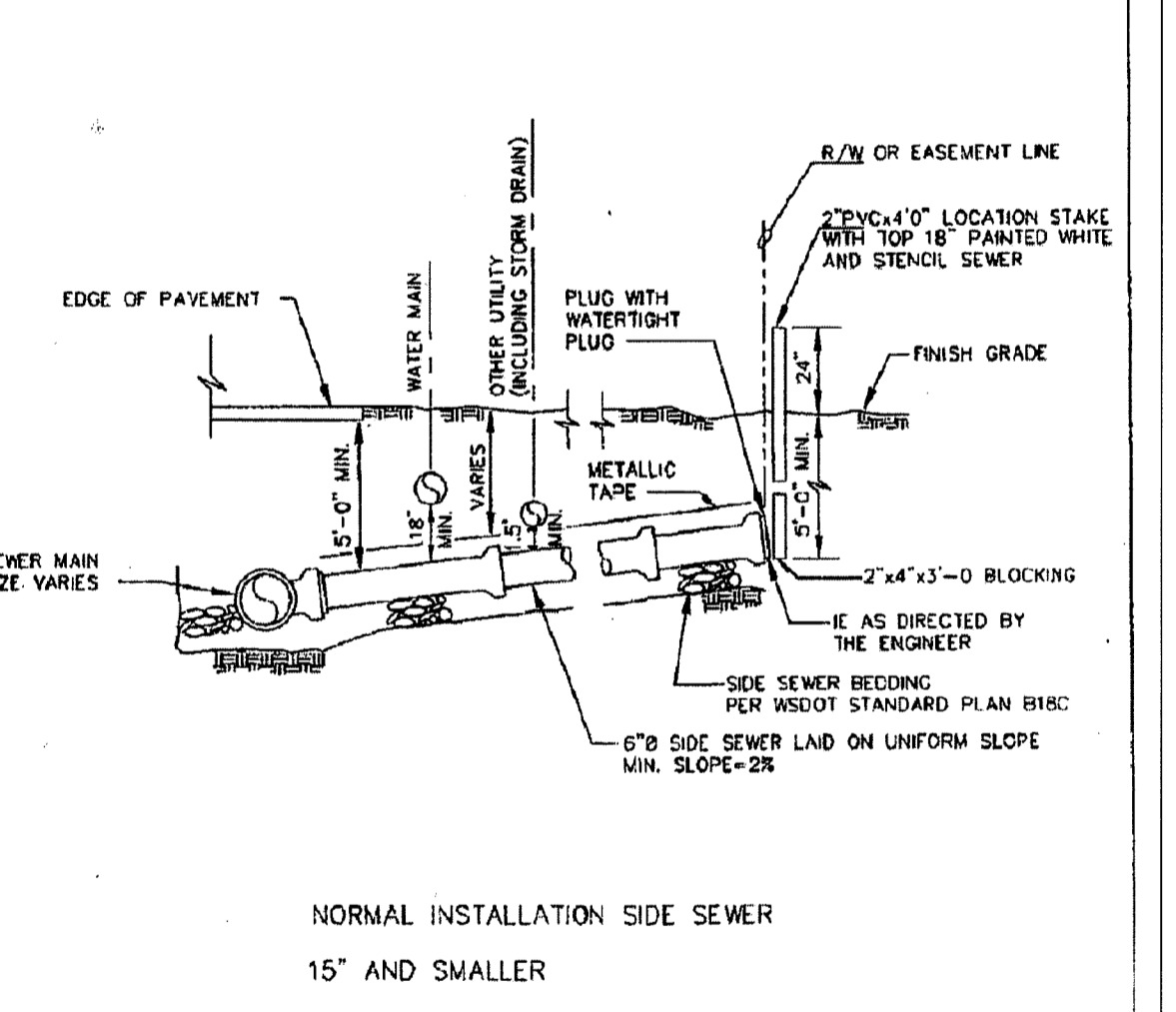
APPROVED *John & Eley* CITY OF FERNDAL  
Public Works Director Date TYPE I 48" MANHOLE DRAWING SS-2

JANUARY 1993



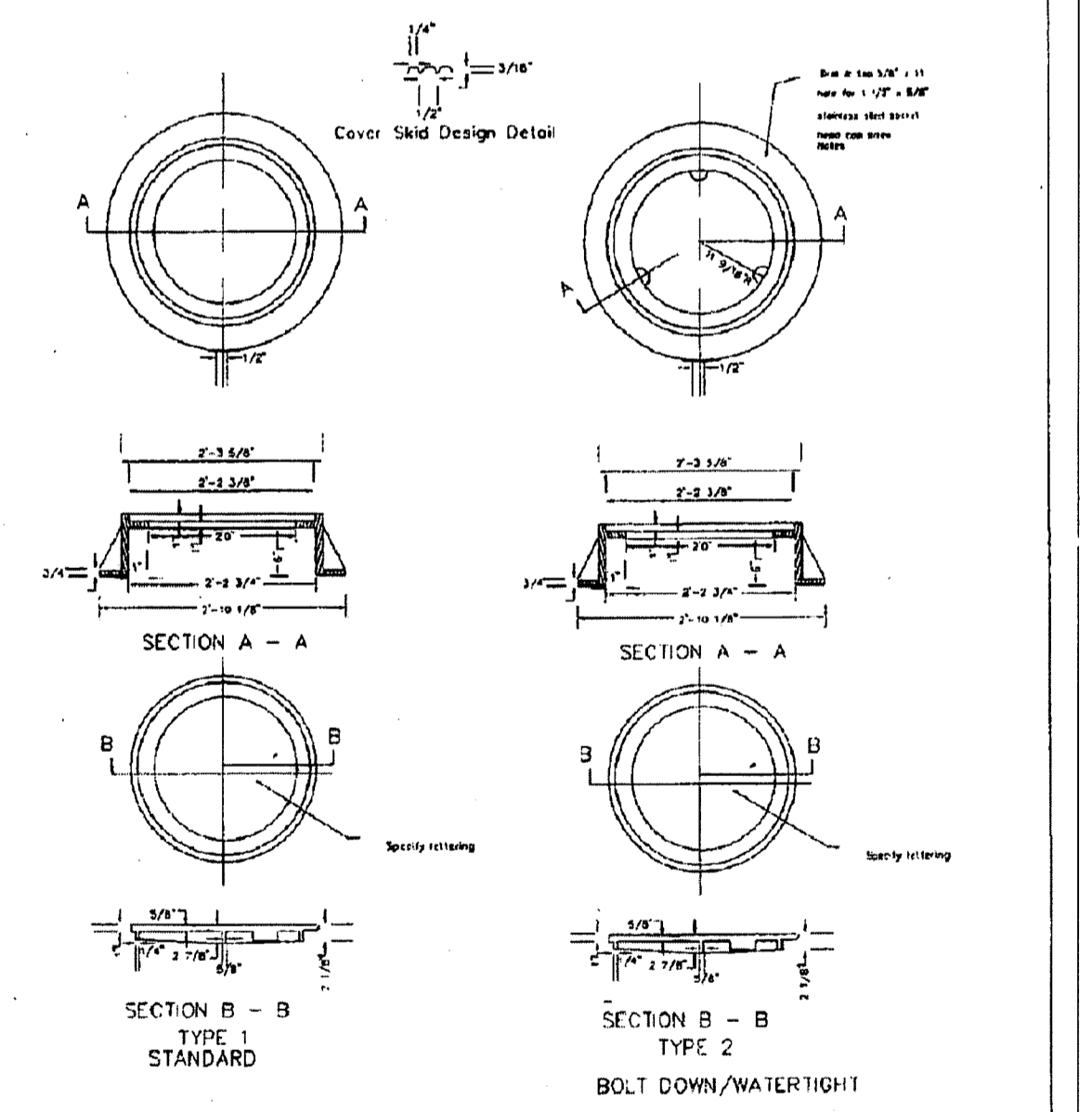
SSCO 04/30/92 16-17 CITY OF FERNDAL  
APPROVED *John & Eley* Public Works Director Date 8" CLEAN OUT DRAWING SS-5

JANUARY 1993



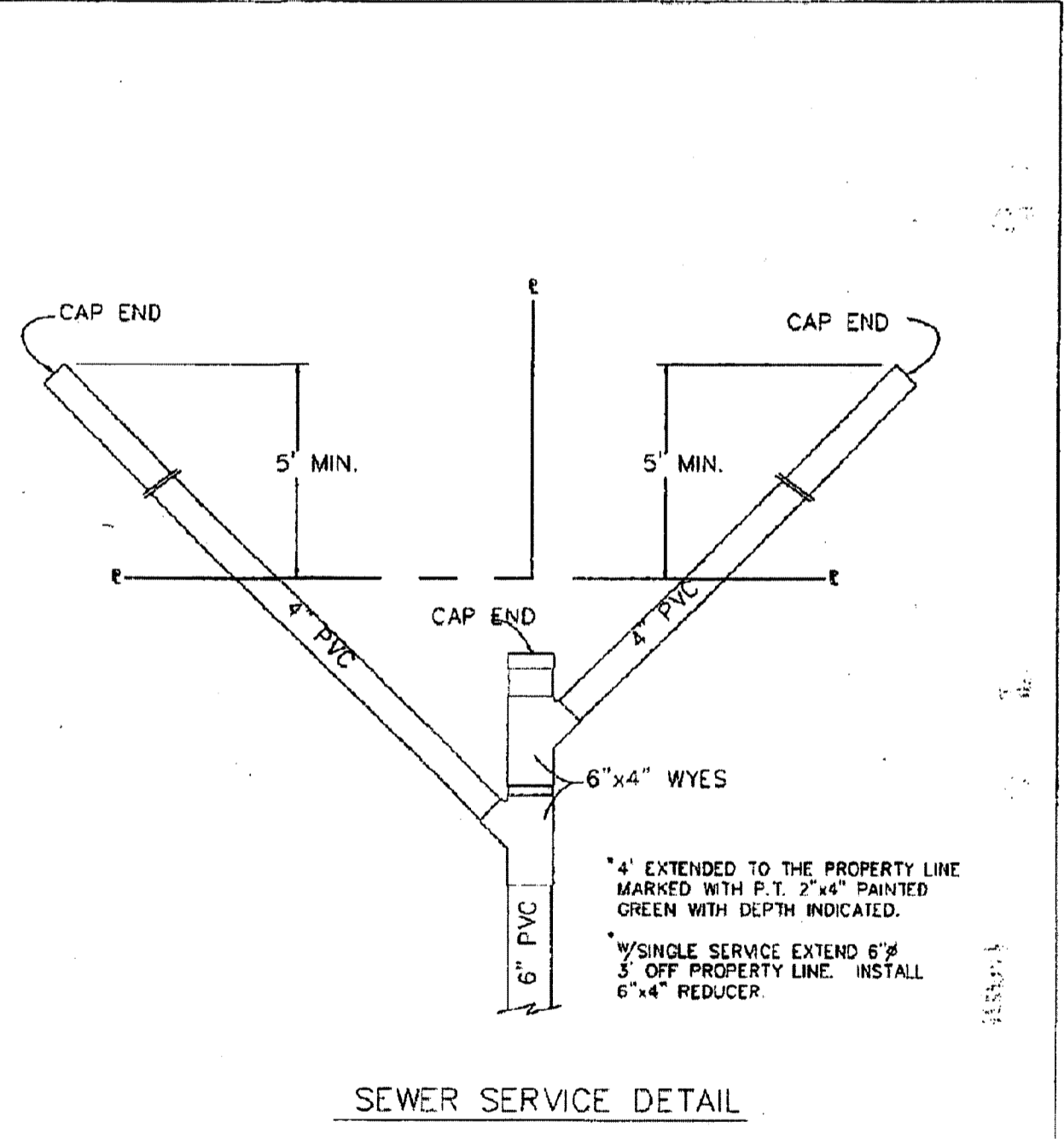
APPROVED *John & Eley* CITY OF FERNDAL  
Public Works Director Date 15" AND SMALLER SEWER MAINS DRAWING SS-6

JUNE 1995



APPROVED *John & Eley* CITY OF FERNDAL  
Public Works Director Date MANHOLE RING & COVER DRAWING SS-9

JUNE 1995



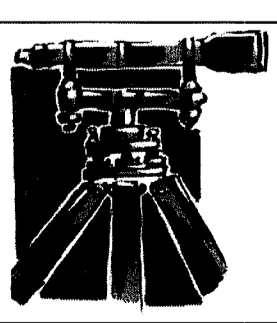
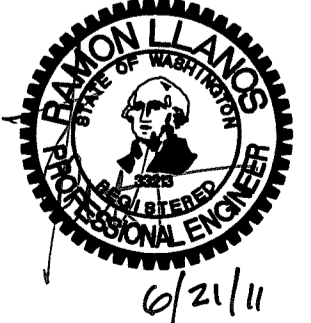
APPROVED *John & Eley* CITY OF FERNDAL  
Public Works Director Date DOUBLE SANITARY SEWER SERVICE DRAWING SS-13

JUNE 1995

APPROVED *John & Eley* CITY OF FERNDAL  
Public Works Director Date JAN 07 2013 BY *John & Eley* P.E. CITY OF FERNDAL

DRAWN BY SR DATE 08/21/11  
CHECKED BY RL DATE 08/21/11  
JOB # 04603

**VISTA MEADOWS LONG PLAT**  
FOR: DAVID BRAITHWAITE

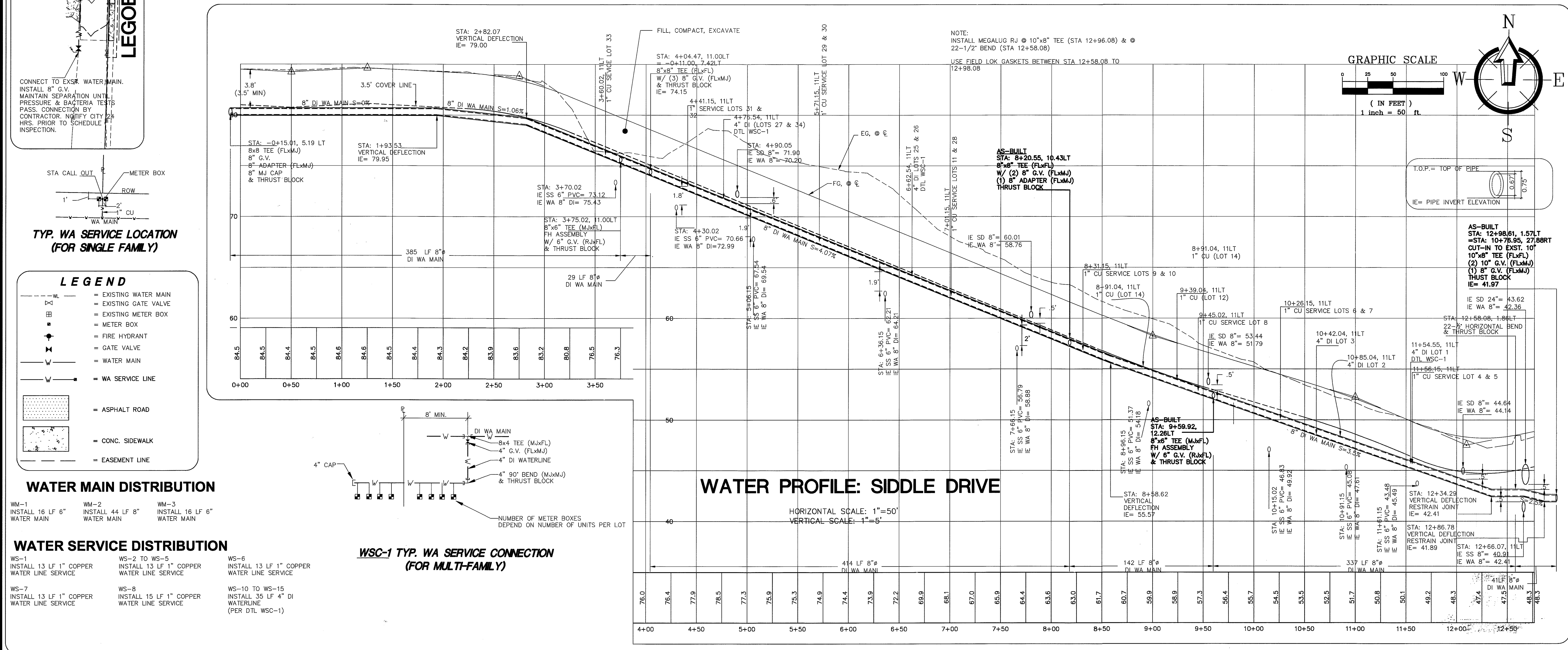
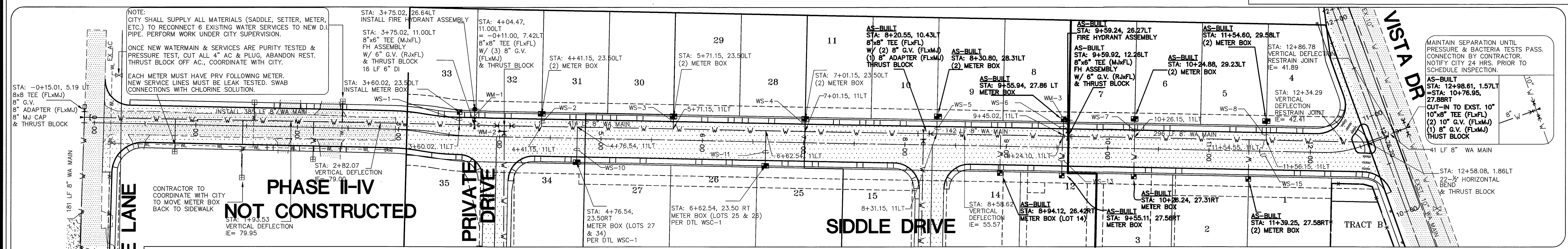


**LDES, INC.**  
5160 INDUSTRIAL PL #108  
FERNDAL, WA 98248  
PHONE 360-383-0620  
FAX 360-383-0639

**VISTA MEADOWS LONG PLAT**  
SANITARY SEWER DETAILS  
AS-BUILT

SHEET **14**  
OF 19

12/1/11  
 00544.615



- LEGEND**
- - - - - EXISTING WATER MAIN
  - ⊗ EXISTING GATE VALVE
  - ⊠ EXISTING METER BOX
  - ⊡ METER BOX
  - ⊙ FIRE HYDRANT
  - ⊕ GATE VALVE
  - WATER MAIN
  - WA SERVICE LINE
  - ASPHALT ROAD
  - CONC. SIDEWALK
  - EASEMENT LINE

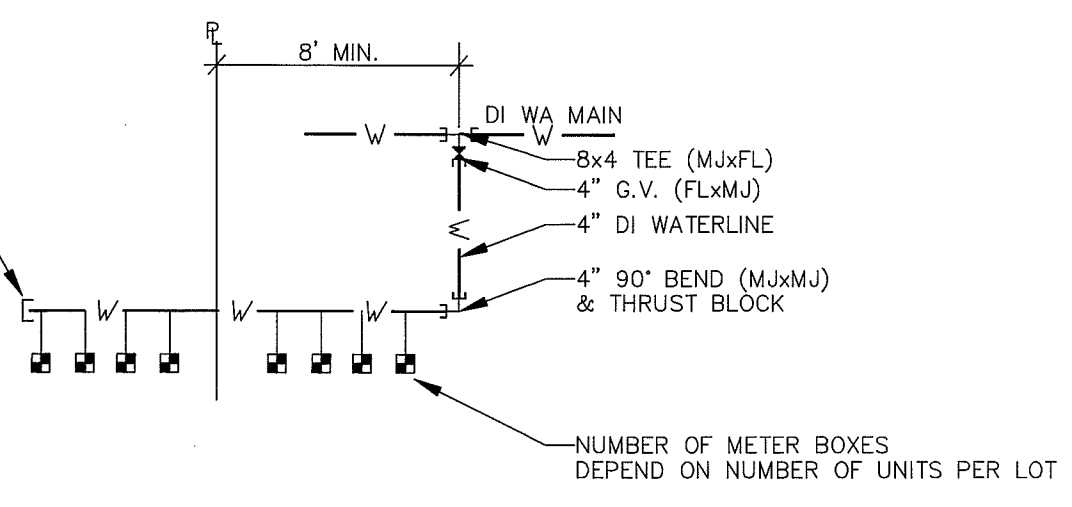
**WATER MAIN DISTRIBUTION**

- WM-1 INSTALL 16 LF 6" WATER MAIN
- WM-2 INSTALL 44 LF 8" WATER MAIN
- WM-3 INSTALL 16 LF 6" WATER MAIN

**WATER SERVICE DISTRIBUTION**

- WS-1 INSTALL 13 LF 1" COPPER WATER LINE SERVICE
- WS-2 TO WS-5 INSTALL 13 LF 1" COPPER WATER LINE SERVICE
- WS-6 INSTALL 13 LF 1" COPPER WATER LINE SERVICE
- WS-7 INSTALL 13 LF 1" COPPER WATER LINE SERVICE
- WS-8 INSTALL 15 LF 1" COPPER WATER LINE SERVICE
- WS-10 TO WS-15 INSTALL 35 LF 4" DI WATERLINE (PER DTL WSC-1)

**WSC-1 TYP. WA SERVICE CONNECTION (FOR MULTI-FAMILY)**

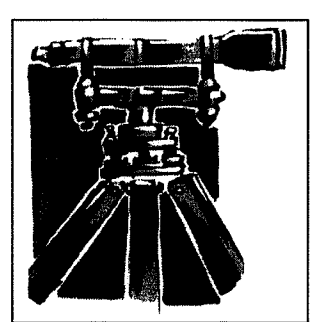
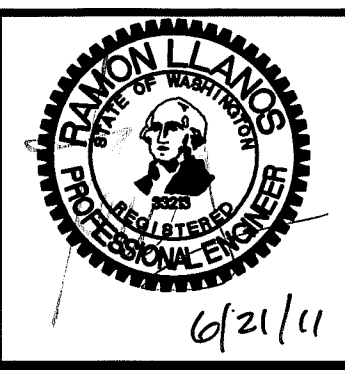


DRAWN BY MF DATE 06/21/11  
 CHECKED BY RL DATE 06/21/11

**VISTA MEADOWS LONG PLAT**

FOR: DAVID BRAITHWAITE

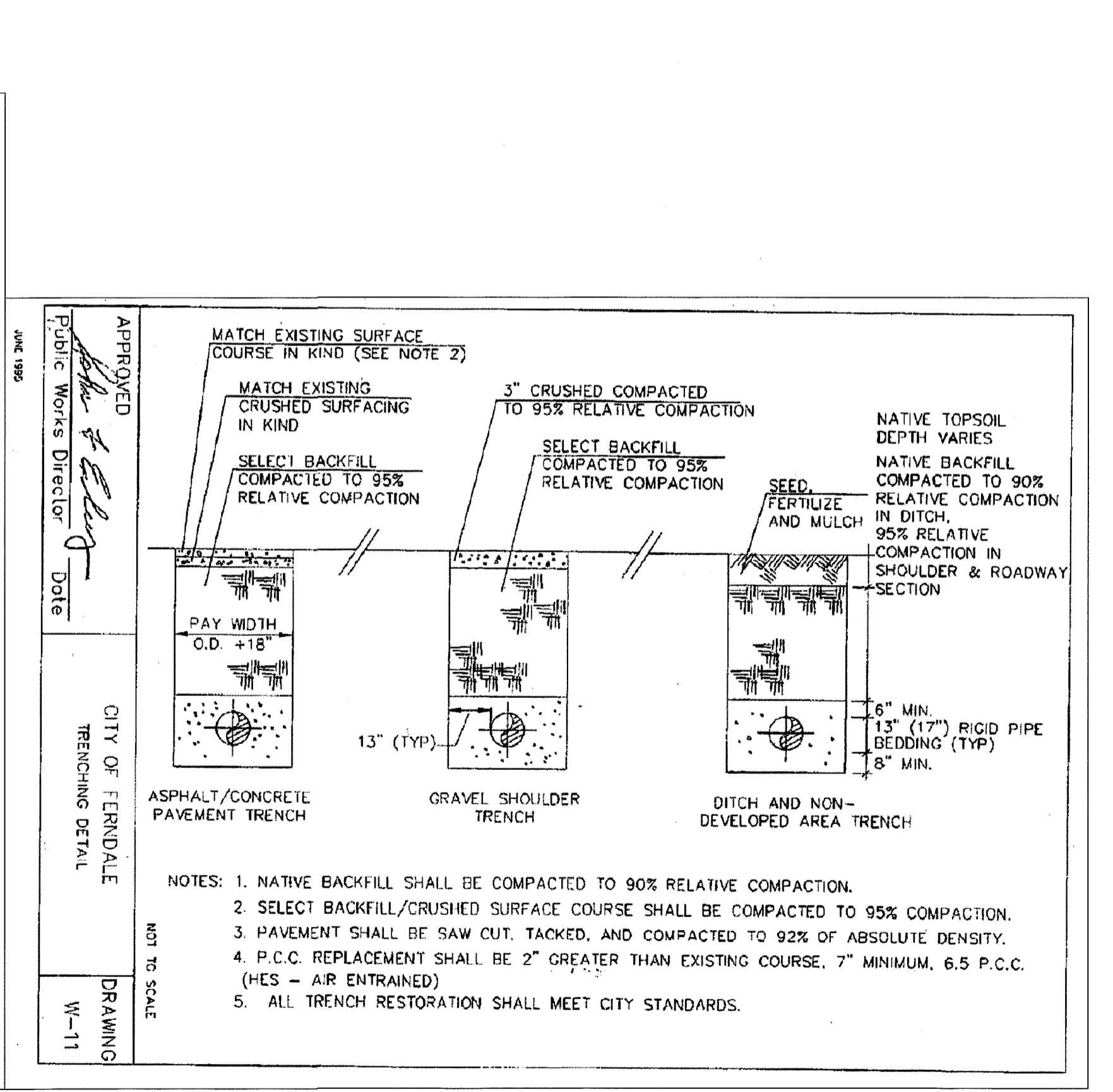
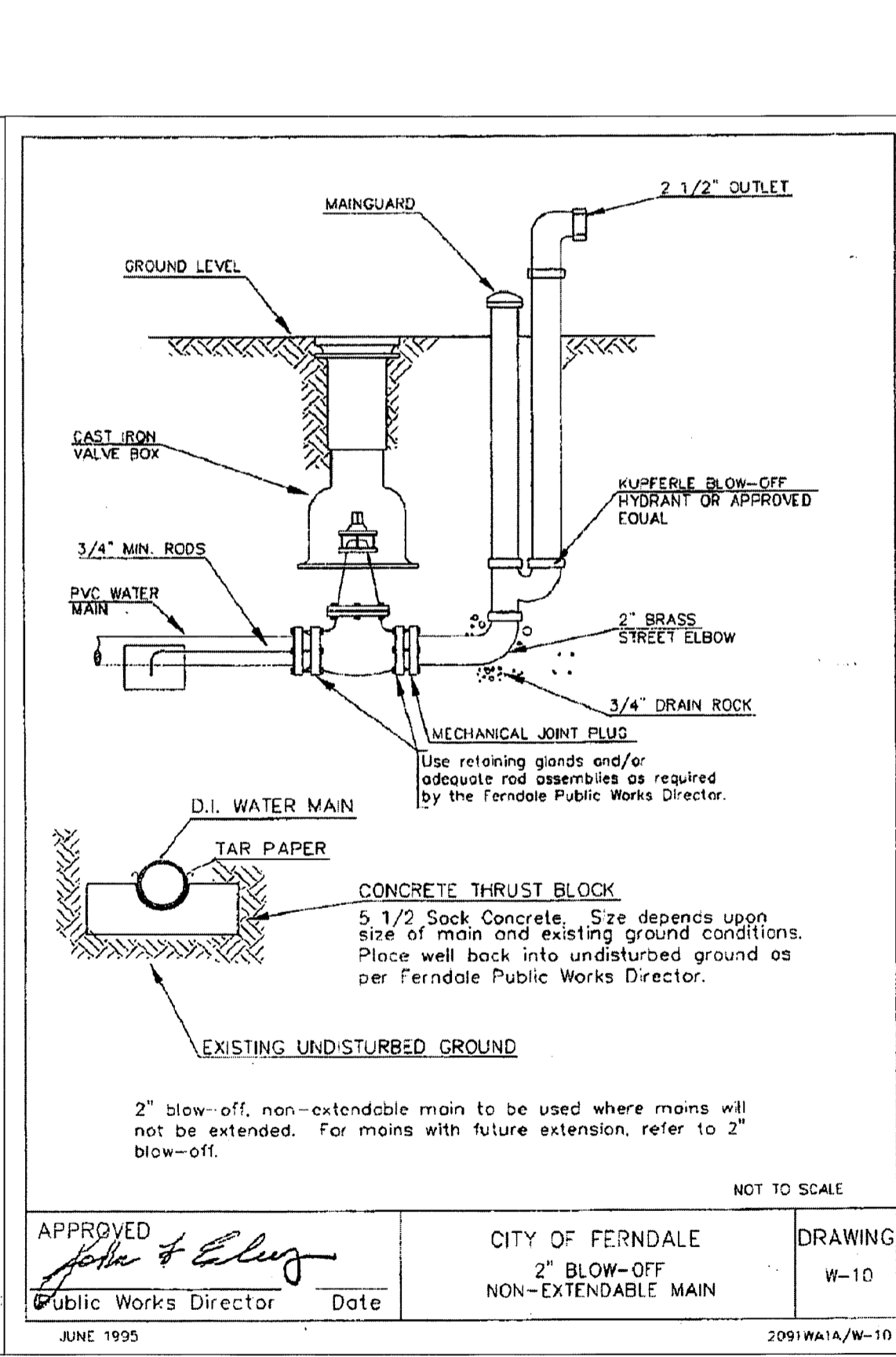
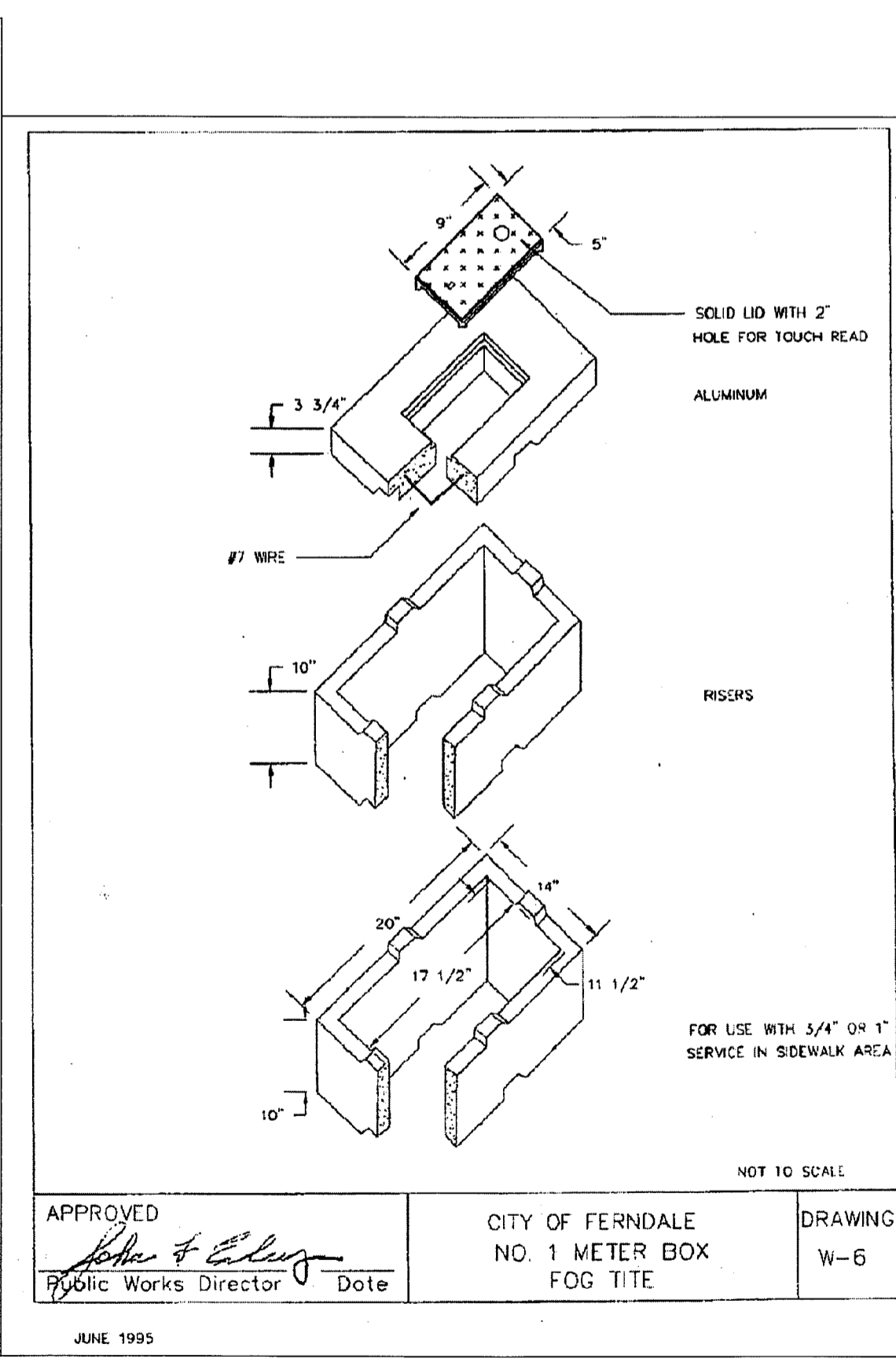
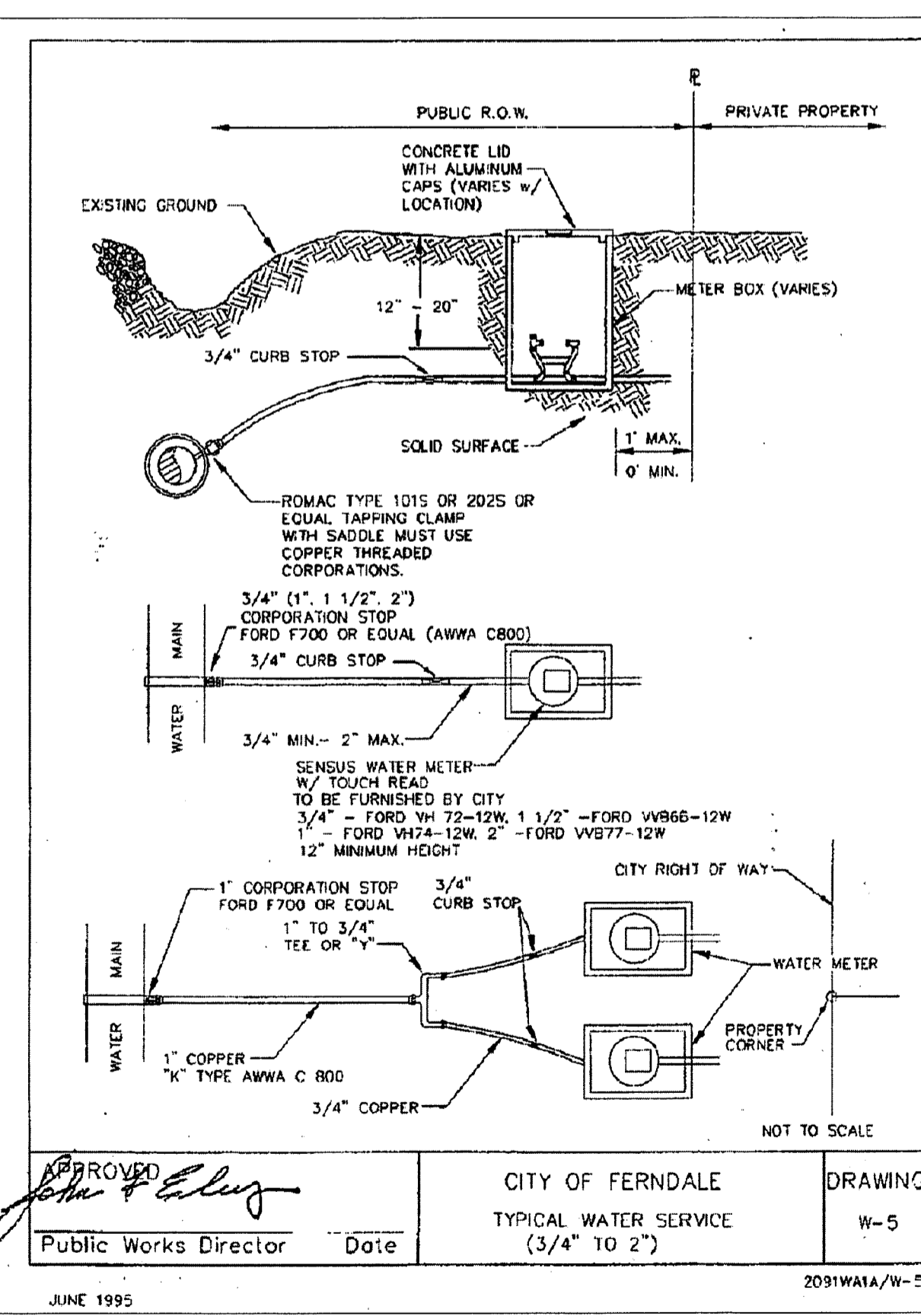
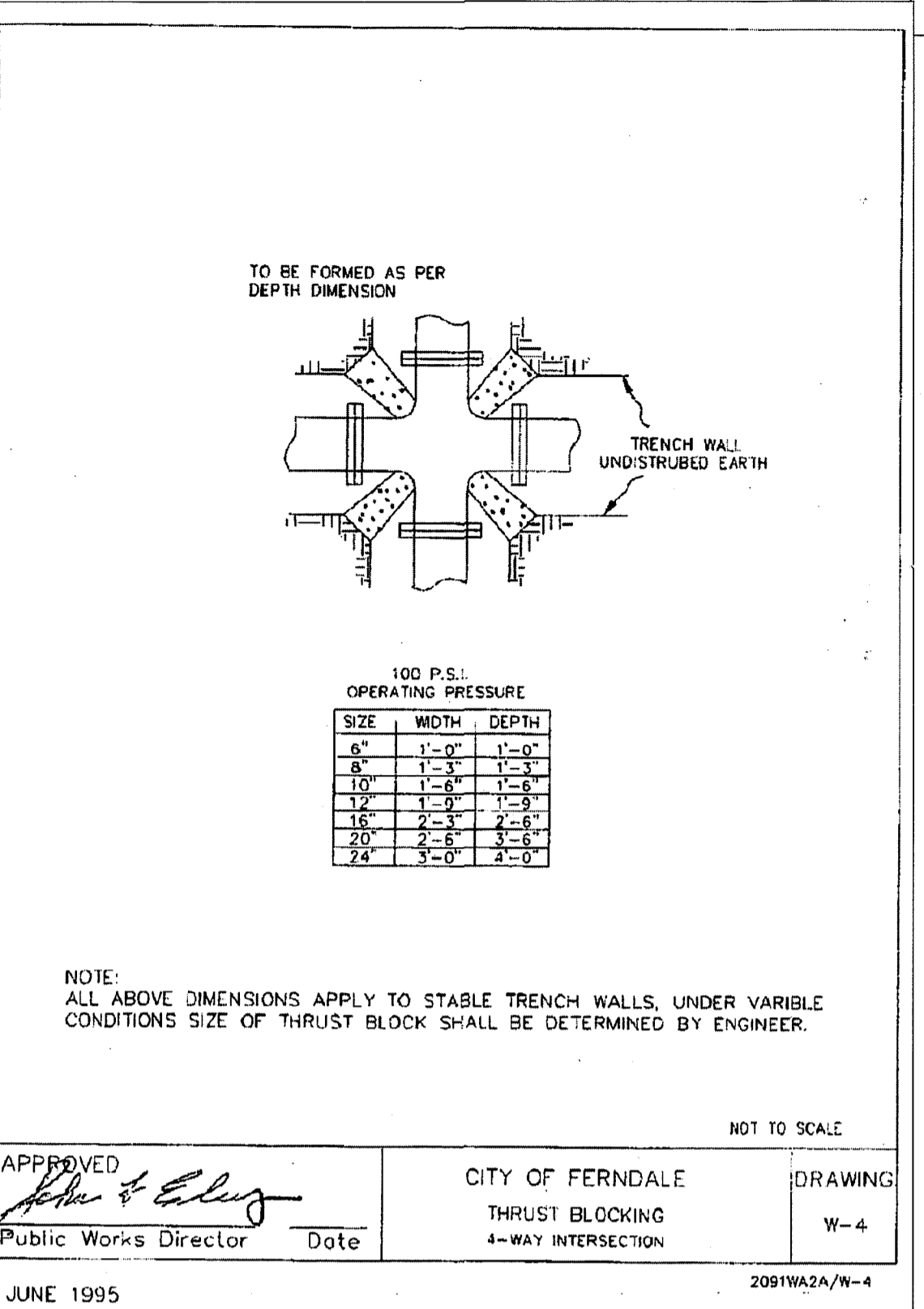
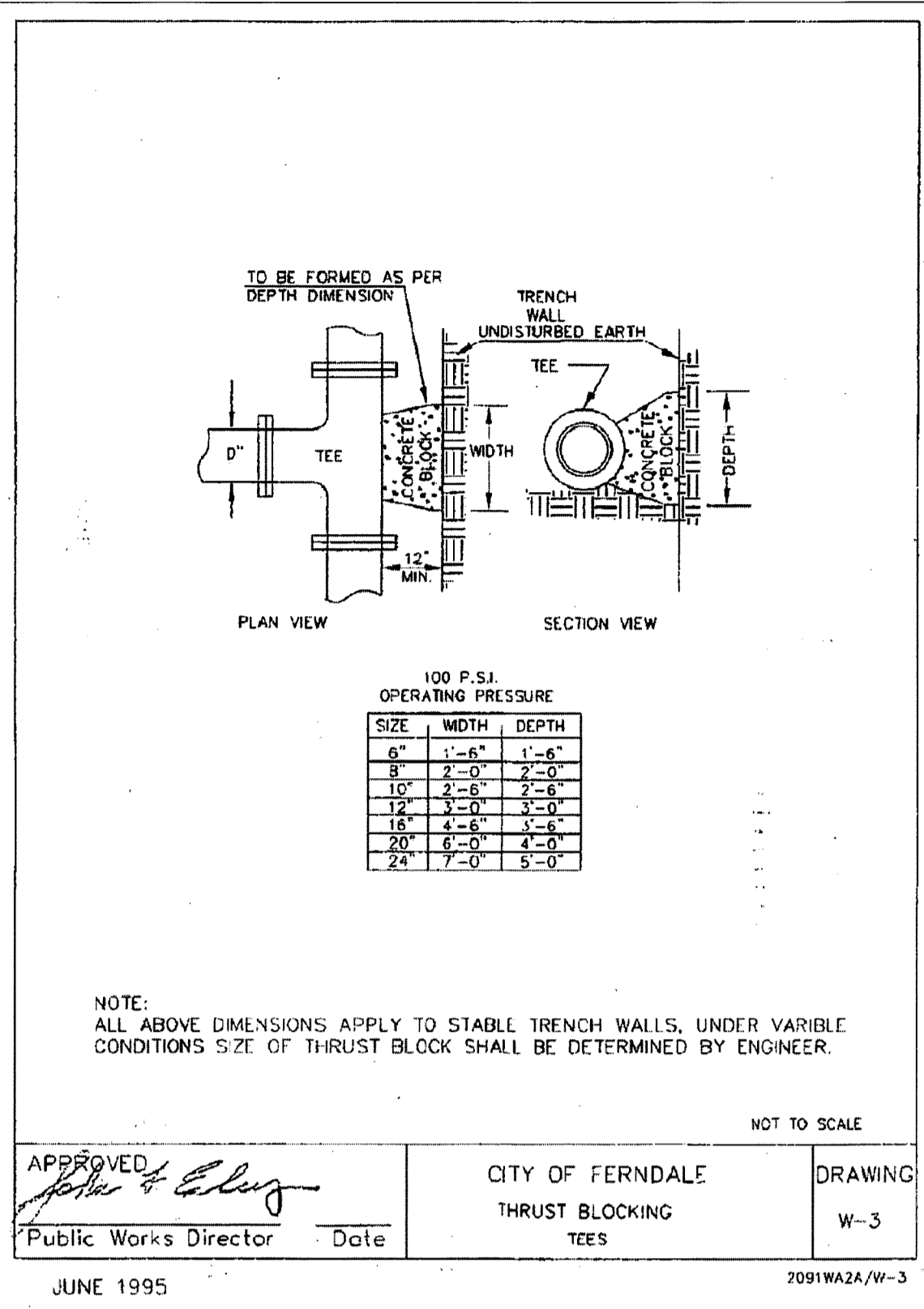
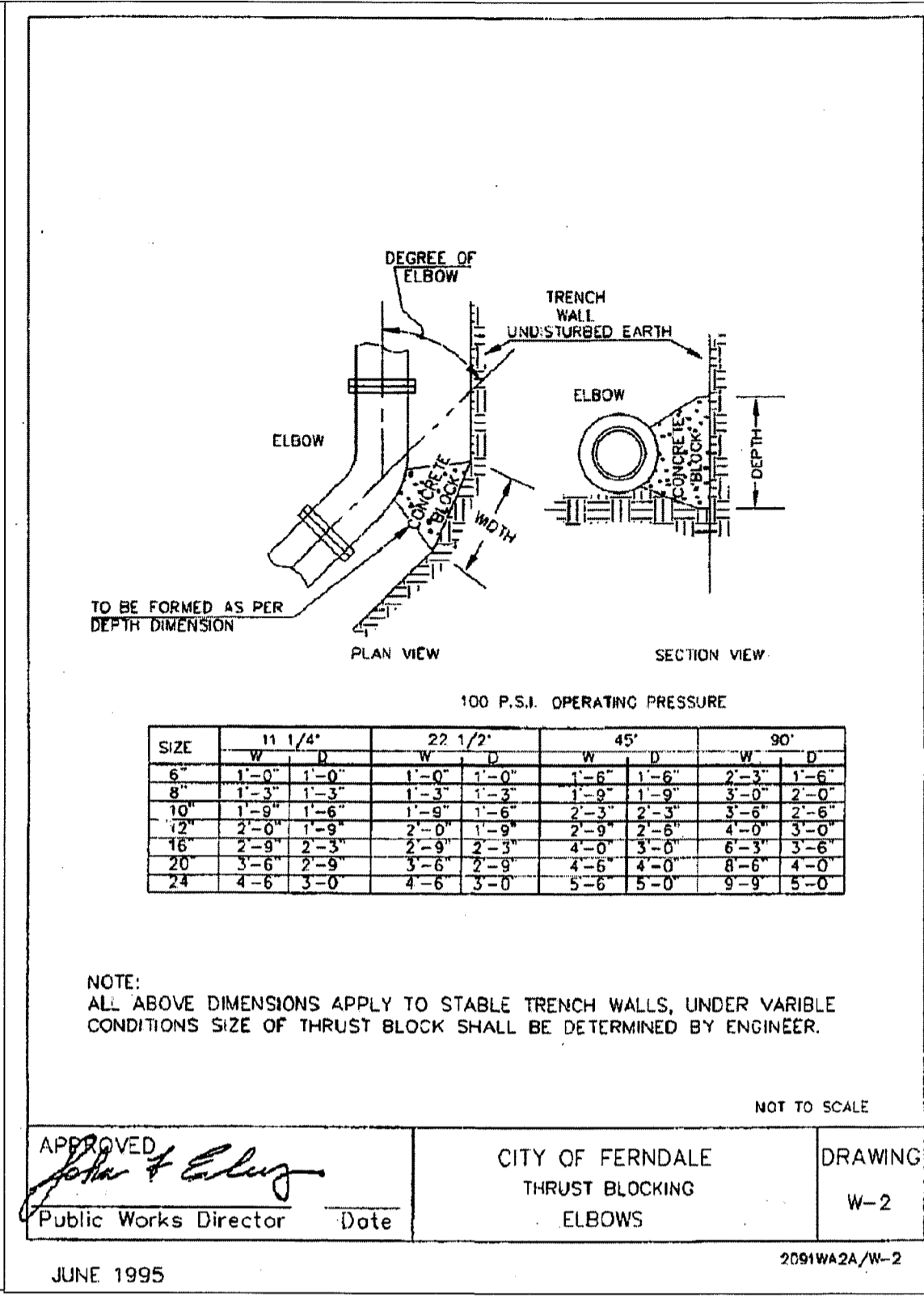
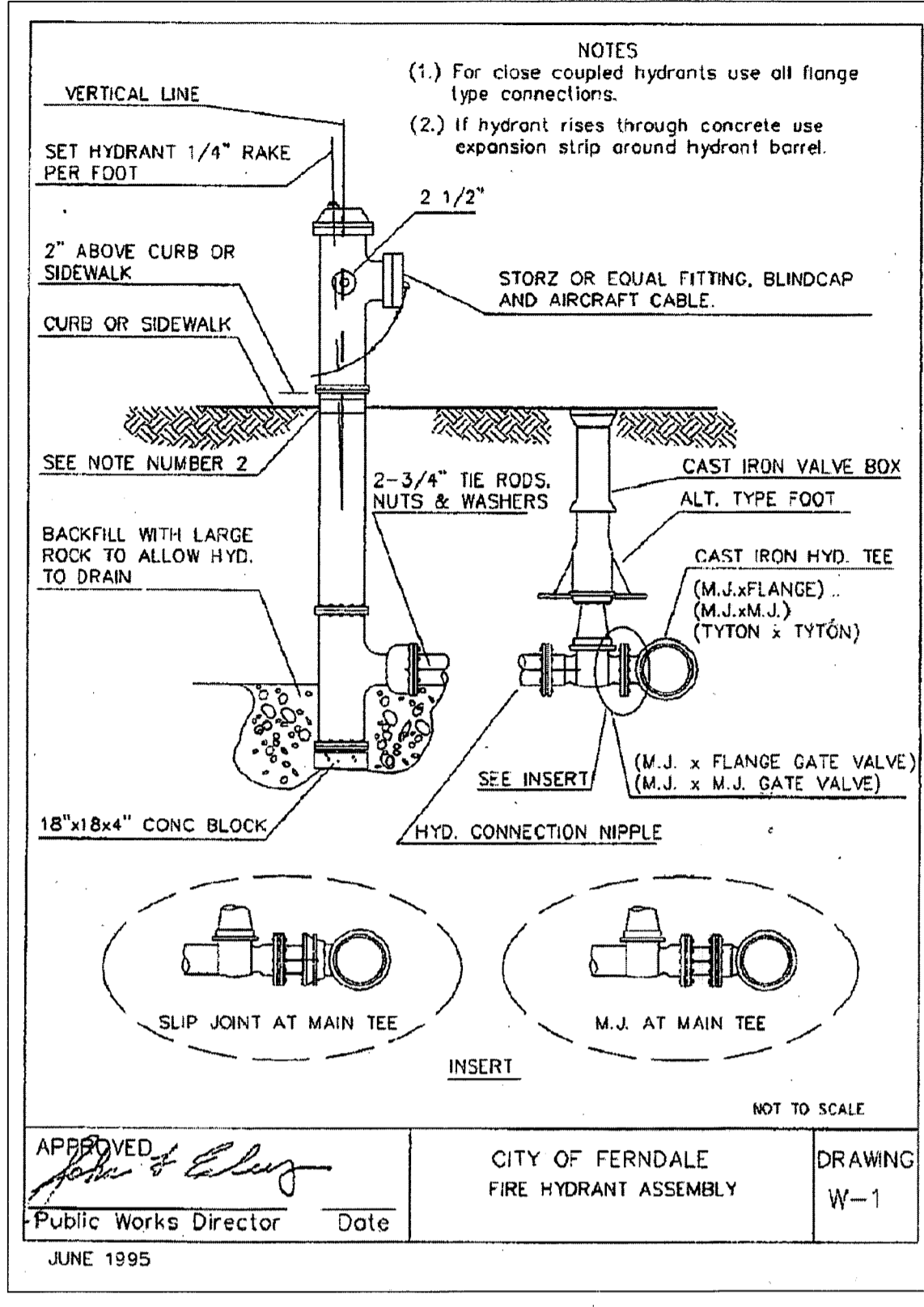
APPROVED  
 JAN 07 2013  
 J. W. G. P.E.  
 CITY OF FERNDALE



LDES, INC.  
 5160 INDUSTRIAL PL #108  
 FERNDALE, WA 98248  
 PHONE 360-383-0620  
 FAX 360-383-0639

**VISTA MEADOWS LONG PLAT  
 WATER PLAN AND PROFILE:  
 SIDDLER DRIVE  
 AS-BUILT**

00544.016 1/24/95 SH

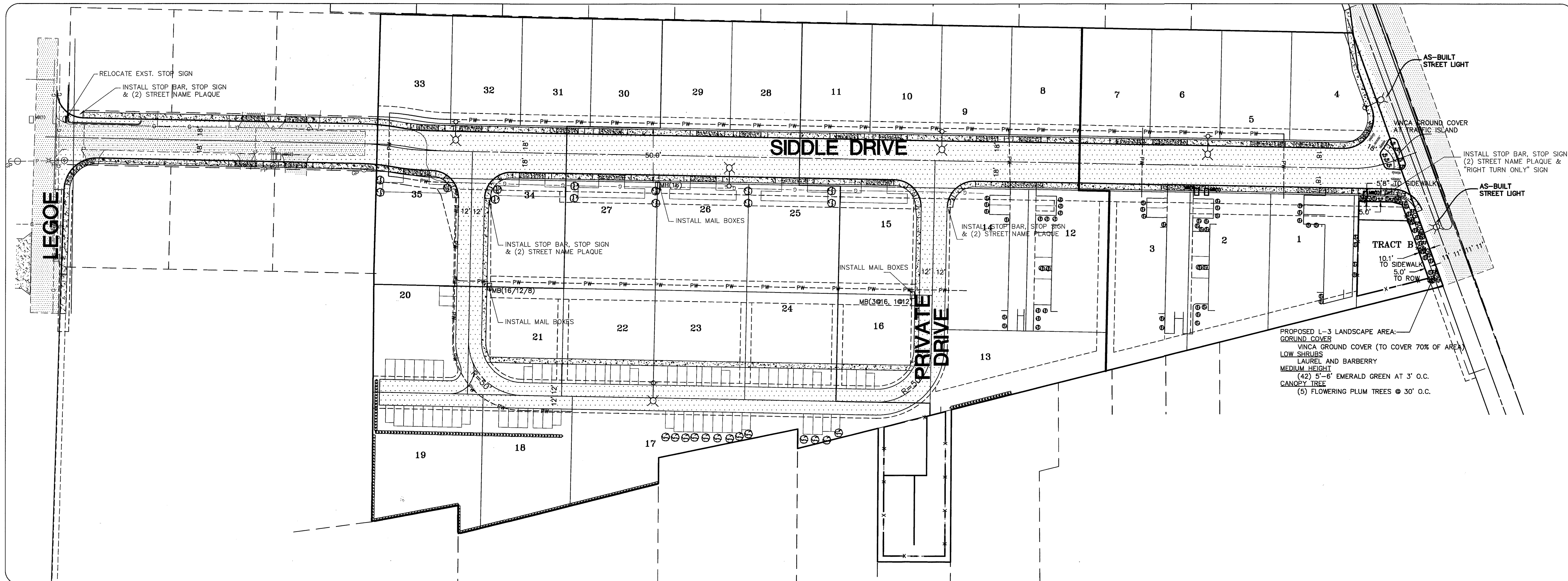
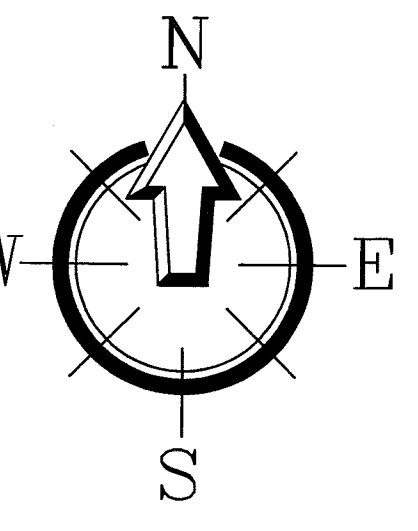
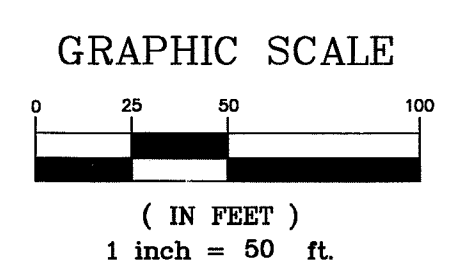




FS 2/12/11 L10-H1430

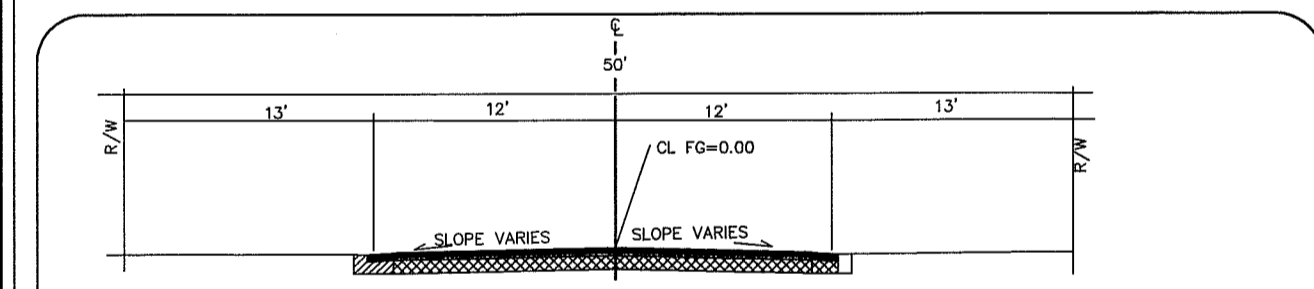
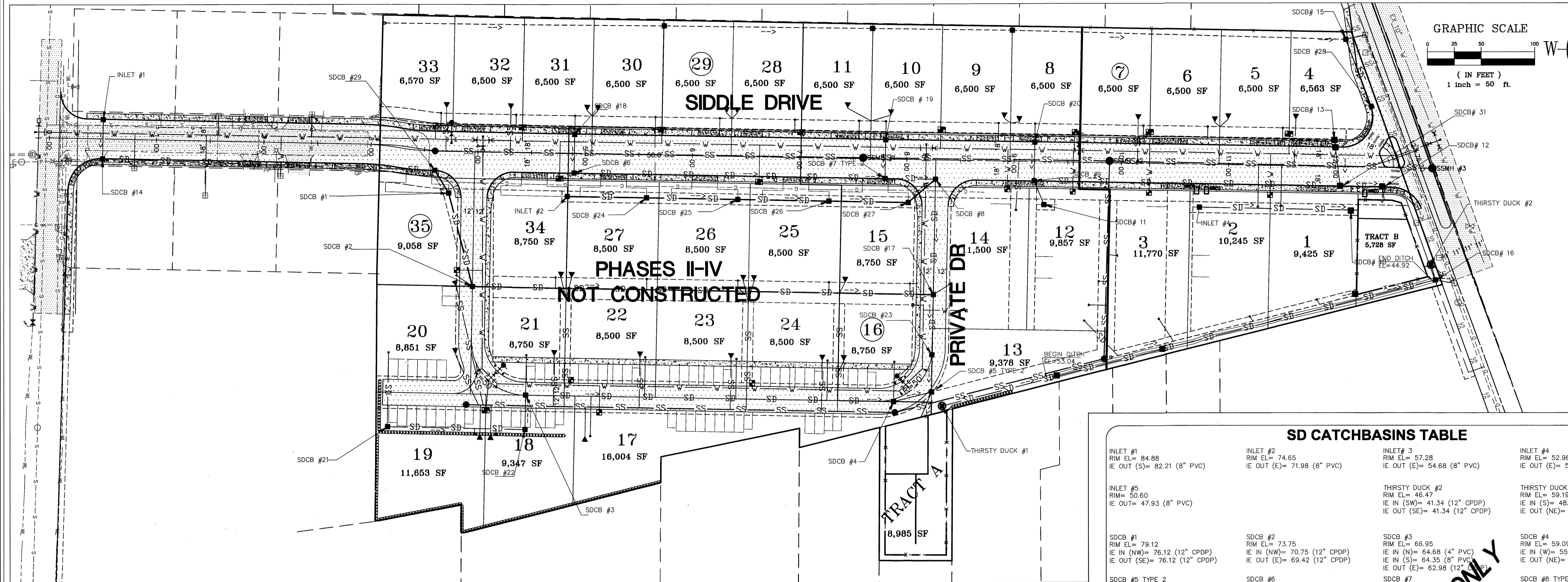
**LEGEND**

- P-W — = POWER LINE
- ⊗ = STREET LIGHT
- ⊕ ⊕ ⊕ = LANDSCAPE BUFFER
- - - - - = EXST. POWER LINE
- - - - - = EXST. STREET LIGHT
- ⊕ = EXST. POWER POLE
- ⊕ = EXST. STREET SIGN (TO BE RELOCATED)

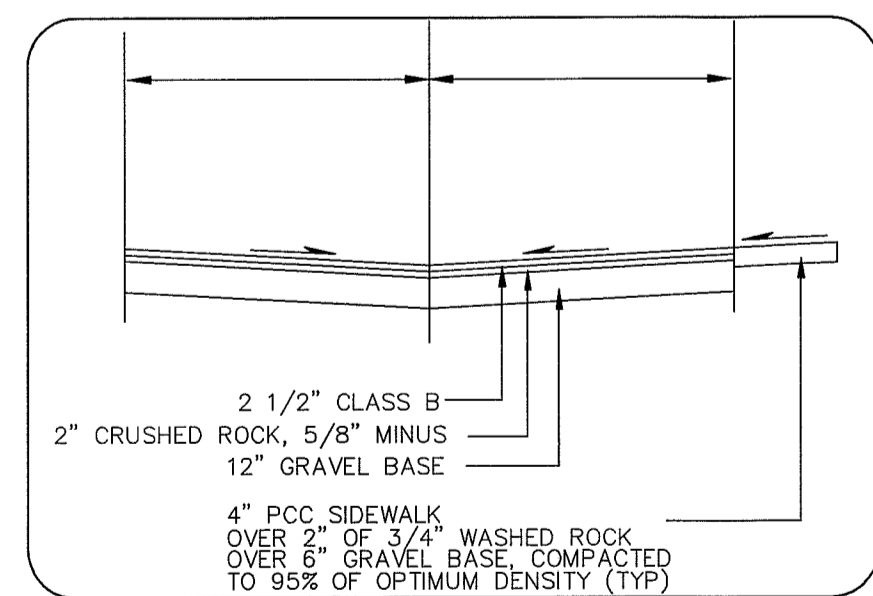


APPROVED  
 JAN 07 2013  
*J. M. [Signature]* P.E.  
 CITY OF FERDALE

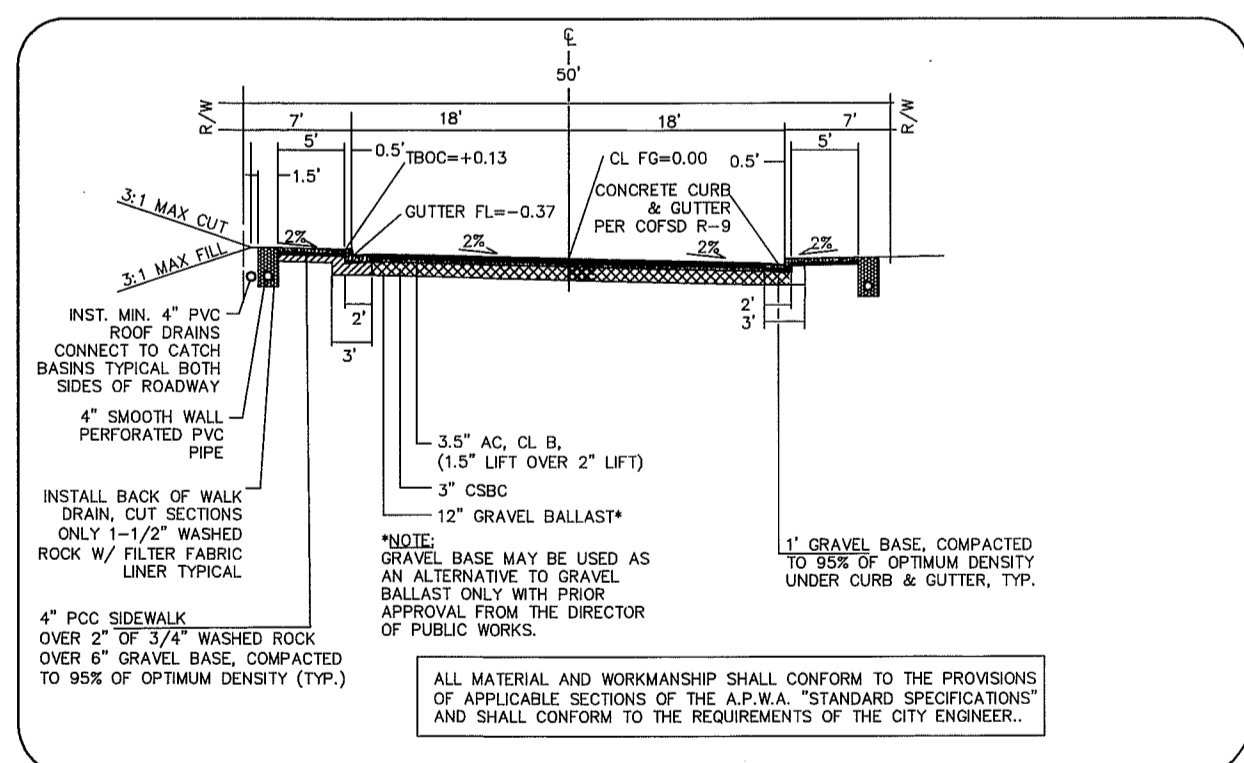
AS 2/12/11 810.14500



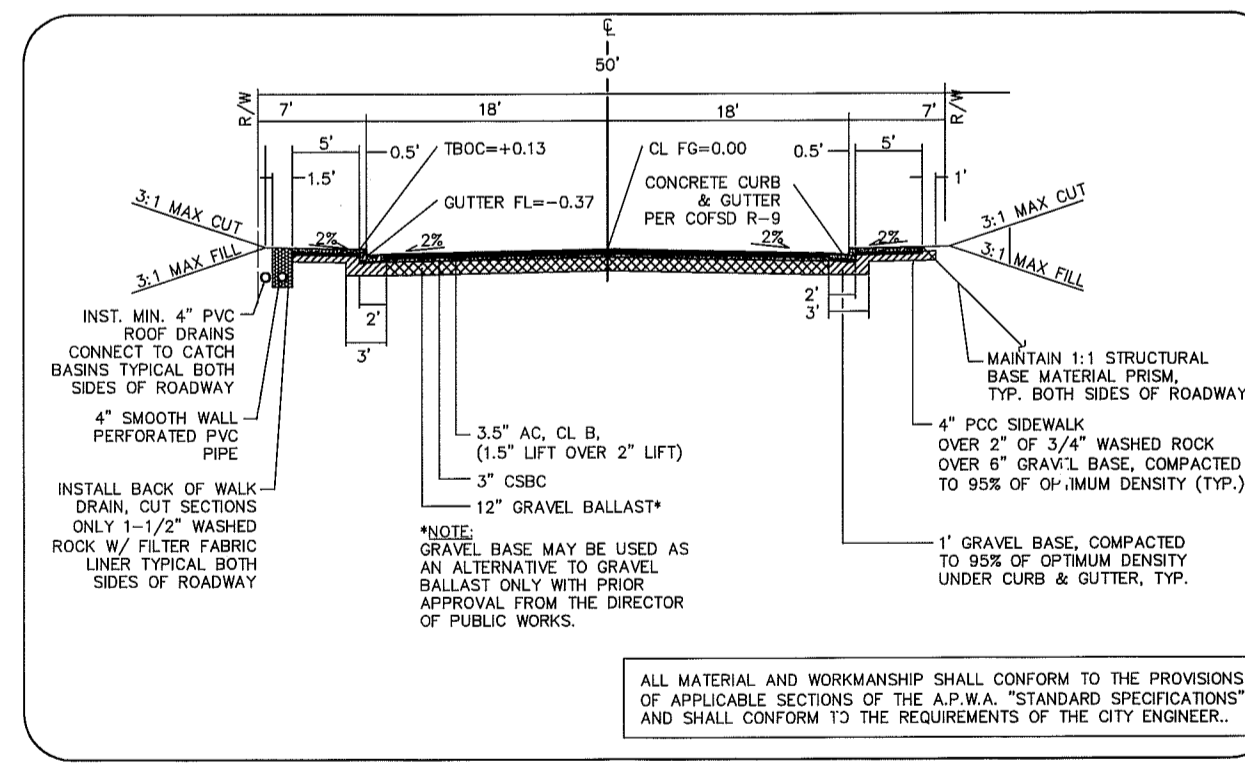
TYPICAL ROADWAY SECTION (EXISTING COND)  
SADDLE DRIVE



TYPICAL DRIVEWAY SECTION  
NTS



TYPICAL ROADWAY SECTION (PROPOSED)  
SADDLE DRIVE (STA 0+00 TO 3+00)  
NTS



TYPICAL ROADWAY SECTION (PROPOSED)  
SADDLE DRIVE (STA 3+00 TO END)  
NTS

**SD CATCHBASINS TABLE**

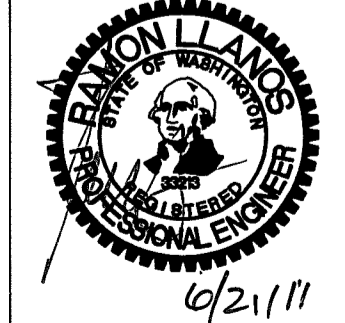
INLET #1	INLET #2	INLET #3	INLET #4
RIM EL= 84.88 IE OUT (S)= 82.21 (8" PVC)	RIM EL= 74.65 IE OUT (E)= 71.98 (8" PVC)	RIM EL= 57.28 IE OUT (E)= 54.68 (8" PVC)	RIM EL= 52.96 IE OUT (E)= 50.29 (8" PVC)
INLET #5 RIM EL= 50.60 IE OUT= 47.93 (8" PVC)	THIRSTY DUCK #2 RIM EL= 46.47 IE IN (SW)= 41.34 (12" CPDP) IE IN (S)= 48.28 (12" PVC) IE OUT (SE)= 41.34 (12" CPDP)	THIRSTY DUCK #1 RIM EL= 59.19 IE IN (S)= 48.28 (12" PVC) IE OUT (NE)= 48.28 (12" CPDP)	
SDCB #1 RIM EL= 79.12 IE IN (NW)= 76.12 (12" CPDP) IE OUT (SE)= 76.12 (12" CPDP)	SDCB #2 RIM EL= 73.75 IE IN (NW)= 70.75 (12" CPDP) IE OUT (E)= 69.42 (12" CPDP)	SDCB #3 RIM EL= 66.95 IE IN (NW)= 64.68 (4" PVC) IE IN (S)= 64.35 (8" PVC) IE OUT (E)= 62.98 (12" CPDP)	SDCB #4 RIM EL= 59.09 IE IN (W)= 55.78 (12" CPDP) IE OUT (NE)= 55.78 (12" CPDP)
SDCB #5 TYPE 2 RIM EL= 58.94 IE IN (N)= 51.13 (15" CPDP) IE IN (SW)= 55.59 (12" CPDP) IE OUT (S)= 51.13 (15" CPDP)	SDCB #6 RIM EL= 74.61 IE IN (N)= 71.76 (8" PVC) IE OUT (E)= 71.42 (12" CPDP)	SDCB #7 RIM EL= 62.72 IE IN (N)= 59.87 (8" PVC) IE IN (W)= 59.57 (12" CPDP) IE OUT (E)= 52.12 (15" CPDP)	SDCB #8 TYPE 2 RIM EL= 60.88 IE IN (W)= 57.88 (12" CPDP) IE IN (SW)= 58.20 (8" PVC) IE IN (E)= 52.12 (15" CPDP) IE OUT (S)= 52.12 (15" CPDP)
SDCB #9 RIM EL= 57.28 IE IN (N)= 54.43 (8" PVC) IE OUT (E)= 54.09 (12" CPDP)	SDCB #10 RIM EL= 47.63 IE IN (W)= 44.94 (8" PVC) IE OUT (E)= 44.94 (8" PVC)	SDCB #11 RIM EL= 54.39 (8" PVC) IE IN (N)= 54.39 (8" PVC)	SDCB #12 THRU CURB FRAME AND GRATE RIM EL= 47.71 IE IN (W)= 43.98 (12" CPDP) IE OUT (S)= 43.98 (12" CPDP)
SDCB #13 RIM EL= 48.32 IE IN (N)= 44.85 (6" PVC) IE OUT (S)= 44.69 (8" PVC)	SDCB #14 RIM EL= 83.85 IE IN (W)= 82.02 (8" PVC) IE OUT (E)= 81.69 (12" CPDP)	SDCB #15 TYPE 1 RIM EL= 54.62 IE IN (SW)= 41.14 (12" CPDP) IE OUT (SE)= 48.45 (12" CPDP)	SDCB #16 TYPE 2 RIM EL= 46.14 (MATCH FG) IE IN (SW)= 41.14 (12" CPDP) IE IN (NW)= 41.25 (12" CPDP) IE IN (N)= 42.63 (12" CPDP) IE OUT (S)= 41.12 (18" CPDP)
SDCB #17 TYPE 2 RIM EL= 59.01 IE IN (W)= 55.66 (12" CPDP) IE IN (N)= 51.58 (15" CPDP) IE OUT (S)= 51.58 (15" CPDP)	SDCB #18 RIM EL= 74.65 IE IN (N)= 71.76 (8" PVC) IE OUT (E)= 71.42 (12" CPDP)	SDCB #19 RIM EL= 62.72 IE IN (N)= 60.21 (6" PVC) IE OUT (S)= 60.05 (8" PVC)	SDCB #20 RIM EL= 57.28 IE IN (N)= 54.77 (6" PVC) IE OUT (S)= 54.61 (8" PVC)
SDCB #21 RIM EL= 67.84 IE IN (N)= 65.50 (4" PVC) IE OUT (E)= 65.17 (8" PVC)	SDCB #23 TYPE 2 RIM EL= 58.53 IE IN (N)= 51.30 (15" CPDP) IE OUT (S)= 51.30 (15" CPDP)	SDCB #24 RIM EL= 71.63 IE IN (W)= 68.96 (8" PVC) IE OUT (E)= 68.96 (8" PVC)	SDCB #28 TYPE 1 RIM EL= 50.60 IE IN (NW)= 47.60 (12" CPDP) IE OUT (SE)= 48.58 (12" CPDP)
SDCB #25 RIM EL= 68.32 IE IN (W)= 65.56 (8" PVC) IE OUT (E)= 65.56 (8" PVC)	SDCB #26 RIM EL= 65.01 IE IN (W)= 62.16 (8" PVC) IE OUT (E)= 62.16 (8" PVC)	SDCB #27 RIM EL= 61.58 IE IN (W)= 58.90 (8" PVC) IE OUT (E)= 58.90 (8" PVC)	SDCB #31 RIM EL= 47.94 IE IN (N)= 44.51 (8" PVC) IE IN (W)= 44.18 (12" CPDP) IE OUT (E)= 44.18 (12" CPDP)
SDCB #29 RIM EL= 79.94 IE IN (W)= 76.73 (12" CPDP) IE OUT (SE)= 76.73 (12" CPDP)			

DESIGN INFORMATION ONLY

APPROVED  
JAN 07 2011  
BY: J. M. [Signature]  
CITY OF FERDALE

DRAWN BY MF DATE 08/21/11  
CHECKED BY RL DATE 08/21/11  
JOB # 04603

VISTA MEADOWS LONG PLAT  
FOR: DAVID BRAITHWAITE



LDES, INC.  
5160 INDUSTRIAL PL #108  
FERDALE, WA 98248  
PHONE 360-383-0620  
FAX 360-383-0639

VISTA MEADOWS LONG PLAT  
COMPOSITE UTILITY PLAN  
AS-BUILT

SHEET 18  
OF 19

