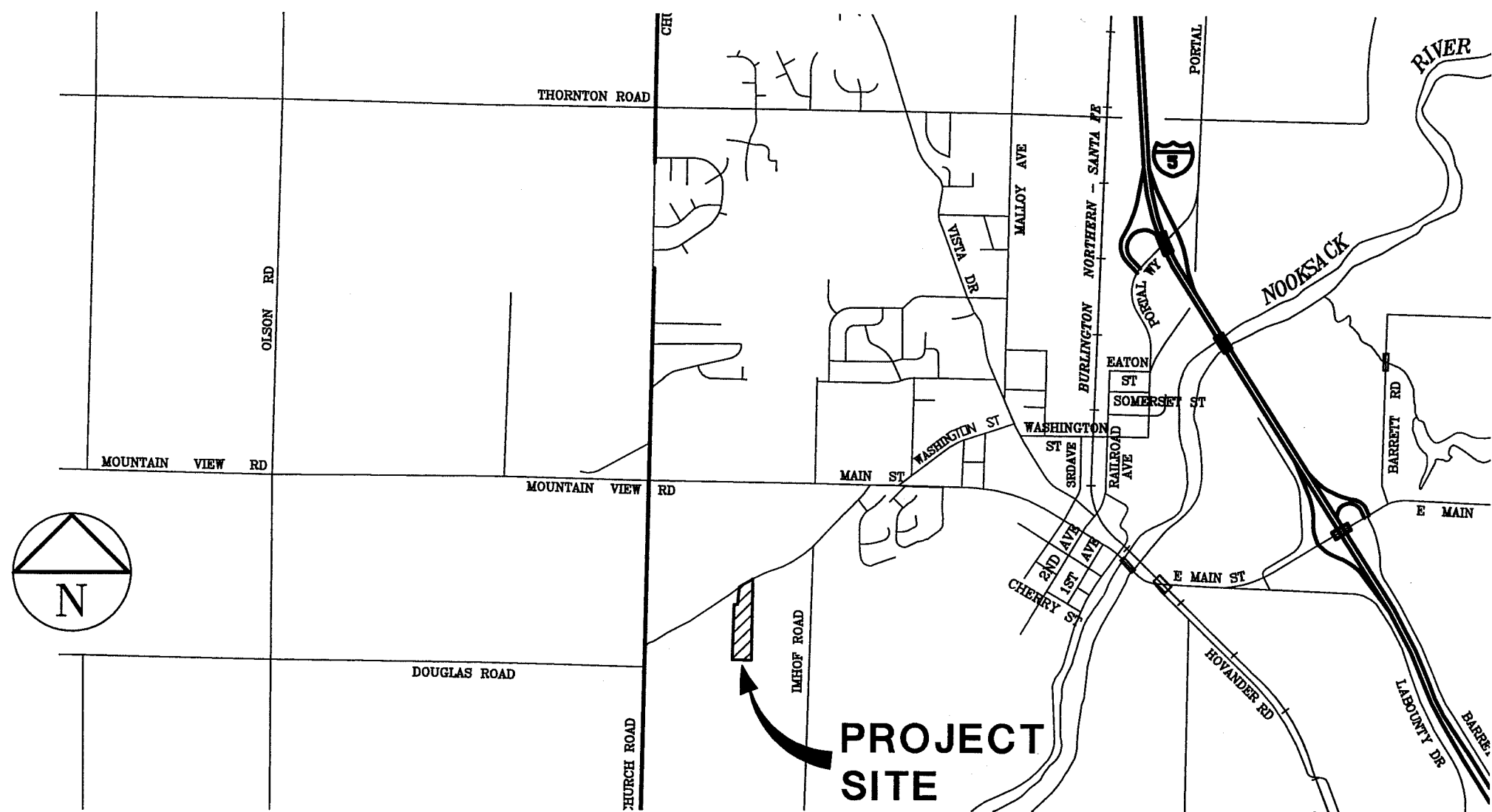


SECTION 30, T39N R2E, W.M.

PIONEER MEADOWS MONTESSORI SCHOOL PHASES 1 AND 3 FERNDALE, WASHINGTON

CONSULTING ENGINEER:
DAVID EVANS AND ASSOCIATES, INC.



VICINITY MAP
1"=2000'

DRAWING INDEX

SHEET NO.	DRAWING TITLE
1	COVER SHEET
2	TOPOGRAPHICAL SURVEY EXISTING CONDITIONS
3	STORMWATER POLLUTION PREVENTION PLAN AND EROSION & SEDIMENTATION PLAN
4	SWPPP NOTES AND DETAILS
5	SITE PLAN DIMENSIONS AND CONTROL
6	GRADING AND STORM DRAINAGE PLAN
7	SANITARY SEWER AND WATER PLAN
8	ROADWAY AND WATER MAIN PROFILE
9	ROADWAY AND STORM DETAILS
10	STANDARD DETAILS
11	WATER STANDARD DETAILS

LEGEND

EXISTING	PROPOSED	DESCRIPTION
P	P	BURIED POWER
P	P	OVERHEAD POWER
COM	COM	TELEPHONE
G	G	GAS
D	SD	STORM DRAINAGE
SS	SS	SEWER
WA	WA	WATER
SF	SF	SILT FENCE
DITCH / BIOSWALE	DITCH / BIOSWALE	DITCH / BIOSWALE
RIGHT-OF-WAY	RIGHT-OF-WAY	RIGHT-OF-WAY
EASEMENT	EASEMENT	EASEMENT
100	100	CONTOUR
X	X	FENCE
ROAD CENTERLINE	ROAD CENTERLINE	ROAD CENTERLINE
CULVERT	CULVERT	CULVERT
FIRE HYDRANT	FIRE HYDRANT	FIRE HYDRANT
CATCH BASIN	CATCH BASIN	CATCH BASIN
MANHOLE	MANHOLE	MANHOLE
VALVE	VALVE	VALVE
WATER METER	WATER METER	WATER METER
WATER BLOWOFF	WATER BLOWOFF	WATER BLOWOFF
POWER VAULT	POWER VAULT	POWER VAULT
TELEPHONE VAULT	TELEPHONE VAULT	TELEPHONE VAULT
TELEPHONE RISER	TELEPHONE RISER	TELEPHONE RISER
SURFACE MONUMENT	SURFACE MONUMENT	SURFACE MONUMENT
TREES	TREES	TREES
SIGN	SIGN	SIGN
RIP RAP	RIP RAP	RIP RAP
UTILITY POLE	UTILITY POLE	UTILITY POLE
GUY WIRE	GUY WIRE	GUY WIRE
LIGHT POLE	LIGHT POLE	LIGHT POLE
LUMINAIRE	LUMINAIRE	LUMINAIRE
ASPHALT PAVEMENT	ASPHALT PAVEMENT	ASPHALT PAVEMENT
PORTLAND CEMENT CONCRETE	PORTLAND CEMENT CONCRETE	PORTLAND CEMENT CONCRETE
GRAVEL ROAD	GRAVEL ROAD	GRAVEL ROAD

NOTES

GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION WASHINGTON STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS (STANDARD SPECIFICATIONS) AND STANDARD PLANS (STANDARD PLANS) FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AND THE CITY OF FERNDALE DEVELOPMENT STANDARDS (CITY STANDARDS), LATEST EDITION. ALL WORK AND MATERIAL SHALL BE SUBJECT TO APPROVAL BY THE CITY OF FERNDALE.
- UNDERGROUND UTILITIES ARE KNOWN TO EXIST IN THE AREA OF CONSTRUCTION. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PROJECT DRAWINGS ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY OWNERS FOR LOCATIONS AND TO FIELD VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION. THE ONE-CALL NUMBER FOR UNDERGROUND UTILITY LOCATES IS 1-800-424-5555. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL EXISTING UTILITIES AND FOR NOTIFYING THE ENGINEER PROMPTLY OF ANY CONFLICTS WITH EXISTING UTILITIES.
- PUBLIC RIGHTS-OF-WAY SHALL BE KEPT IN A CLEAN AND SERVICEABLE CONDITION AT ALL TIMES. IN THE EVENT THAT MATERIALS ARE INADVERTENTLY DEPOSITED IN PUBLIC RIGHTS-OF-WAY, THE MATERIAL SHALL BE PROMPTLY REMOVED. MATERIALS ARE TO BE SWEEPED AND REMOVED PRIOR TO ANY STREET WASHING. PUBLIC AND PRIVATE DRAINAGE WAYS SHALL BE PROTECTED FROM POLLUTION AND SEDIMENTATION. FAILURE TO MEET THESE REQUIREMENTS MAY RESULT IN VIOLATION OF STATE OR FEDERAL WATER QUALITY STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING AS-BUILT INFORMATION. AS-BUILT DRAWINGS SHALL INCLUDE THE EXACT LOCATION OF ALL UNDERGROUND AND ABOVE-GROUND UTILITIES. UPON COMPLETION OF THE PROJECT, THESE AS-BUILT DRAWINGS SHALL BE GIVEN TO THE PROJECT ENGINEER FOR INCORPORATION INTO THE PROJECT'S RECORD DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES (SILT FENCE, STRAW BALE DAMS, SILT PONDS, ETC.), THROUGHOUT THE DURATION OF THE PROJECT. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING OR GRADING.
- ALL HARD SURFACE PAVEMENTS MUST BE REPAIRED AT THE CLOSE OF EACH WORK DAY. THE REPAIRS CAN BE TEMPORARY WITH ASPHALT COLD MIX OR PERMANENT WITH HOT MIX ASPHALT OR CONCRETE.

WATER MAIN SPECIFICATIONS

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTIONS 7-08 TO 7-15 AND THE CITY STANDARDS, SECTION 705, AND SHALL BE SUBJECT TO APPROVAL BY THE CITY OF FERNDALE.
- ALL WORK MUST BE INSPECTED AND APPROVED BY A REPRESENTATIVE OF THE CITY OF FERNDALE DEPARTMENT OF PUBLIC WORKS. 24-HOURS NOTICE MUST BE GIVEN PRIOR TO STARTING WORK OR TO SCHEDULE INSPECTIONS.
- ALL WATER MAIN PIPE SHALL BE DUCTILE IRON, THICKNESS CLASS 50, WITH CEMENT LINING IN ACCORDANCE WITH A.W.W.A. STANDARD C151-71 AND CEMENT LINING C104-71. WATER FITTINGS SHALL BE DUCTILE IRON. JOINTS SHALL BE M.J., FLANGED OR PUSH-ON JOINTS AND SHALL CONFORM TO A.W.W.A. SPECIFICATIONS C110-71 AND C104-71.
- ALL WATER SERVICE PIPE, 2" AND SMALLER, SHALL MEET THE STANDARD SPECIFICATIONS SECTION 7-09 AND CITY OF FERNDALE STANDARDS. PIPE TYPE SHALL BE HIGH DENSITY POLYETHYLENE PIPE (PE), FOR POTABLE WATER SERVICE AND DISTRIBUTION SYSTEMS. PE PIPE SHALL BE NSF LISTED AND MEET ASTM F 714-01 FOR COPPER TUBE SIZE TUBING.

- PIPE LAYING SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 7-09. ALL PIPE SHALL HAVE A MINIMUM COVER OF 3.5 FEET.
- ALL VALVES SHALL BE RESILIENT SEAT GATE VALVES IN ACCORDANCE WITH CITY STANDARDS, SECTION 705.B.3.
- ALL FIRE HYDRANTS SHALL BE IN ACCORDANCE WITH CITY STANDARDS, DRAWING NO. W-1.
- ALL BLOW OFFS SHALL BE IN ACCORDANCE WITH CITY STANDARDS, DRAWING NO. W-9 FOR EXTENDABLE MAIN.
- HYDROSTATIC TESTING AND DISINFECTION OF WATER MAINS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTIONS 7-09.3(23) AND 7-09.3(24).
- DOUBLE CHECK VALVE ASSEMBLY SHALL BE ON STATE APPROVED LIST.

SEWER SPECIFICATIONS

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTIONS 7-08, 7-17 TO 7-19 AND THE CITY STANDARDS, SECTION 706, AND SHALL BE SUBJECT TO APPROVAL BY THE CITY OF FERNDALE.
- ALL WORK MUST BE INSPECTED AND APPROVED BY A REPRESENTATIVE OF THE CITY OF FERNDALE DEPARTMENT OF PUBLIC WORKS. 24-HOURS NOTICE MUST BE GIVEN PRIOR TO STARTING WORK OR TO SCHEDULE INSPECTIONS.
- TRENCH EXCAVATION AND BEDDING SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 7-08.3(1)A & B AND WITH CITY STANDARDS, DRAWING NO. SS-1 AND SS-15.
- SANITARY PIPE MATERIAL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 7-17.
- PIPE LAYING SHALL MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 7-08.3(2).
- ALL SIDE SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY STANDARDS, DRAWING NO. SS-6, SS-8, AND SS-13.
- ALL MANHOLES SHALL BE IN ACCORDANCE WITH CITY STANDARDS, DRAWING NO. SS-2 AND SHALL HAVE FIELD CONSTRUCTED CHANNEL AND SHELF.
- ALL CLEANOUTS SHALL BE IN ACCORDANCE WITH CITY STANDARDS, DRAWING NO. SS-5.
- ALL SEWER PIPE SHALL BE CLEANED AND AIR PRESSURE TESTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 7-17.3(2).

STREET SPECIFICATIONS

- THE OWNER SHALL PROVIDE TO THE ENGINEER A REPORT FROM A QUALIFIED GEOTECHNICAL FIRM CERTIFYING THE COMPACTION OF THE GRAVEL BASE UNDER ALL PAVED AREAS.

- ASPHALT CONCRETE PAVEMENT SHALL BE CLASS "B". MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 9-04, EXCEPT AS MODIFIED HEREIN. CONNECTIONS TO EXISTING PAVEMENT SHALL BE TO A STRAIGHT, NEATLY-TRIMMED LINE.
- CRUSHED ROCK SURFACING FOR PAVEMENT BASE SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION, SECTION 9-03.9(3); BALLAST PER SECTION 9-03.9(1).
- CEMENT CONCRETE SHALL BE CLASS 3000 (WITH AIR ENTRAINMENT) IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 6-02.3(2)B.
- CEMENT CONCRETE SIDEWALK SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DESIGNATED BY THE ENGINEER, IN ACCORDANCE WITH CITY STANDARDS, DRAWING NO. R-12.
- CEMENT CONCRETE DRIVEWAYS SHALL BE 6 INCHES THICK AND CONSTRUCTED WHERE SHOWN ON THE PLANS OR DESIGNATED BY THE ENGINEER IN ACCORDANCE WITH CITY STANDARDS, DRAWING NO. R-15. A 2-INCH LAYER OF 3/4 INCH DRAIN ROCK SHALL BE USED FOR DRIVEWAY BEDDING.
- CEMENT CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED WHERE SHOWN ON THE PLANS OR AS DESIGNATED BY THE ENGINEER, IN ACCORDANCE WITH STANDARD SPECIFICATIONS, SECTION 8-04 AND CITY STANDARDS, DRAWING NO. R-8 AND R-9. HANDICAP RAMPS SHALL BE CONSTRUCTED PER F-40.10-01, WSDOT STANDARD PLANS. WHERE NEW CEMENT CONCRETE CURB AND GUTTER IS TO BE CONSTRUCTED TO CONNECT TO EXISTING CURBED ROADWAY, CARE SHALL BE TAKEN TO ASSURE THAT NO ABRUPT OFFSETS IN LINE OR GRADE SHALL BE CONSTRUCTED WHICH WILL BE UNSIGHTLY OR IMPEDE FLOW IN THE GUTTER LINE.
- THRU-CURB BASINS AND THRU-CURB INLETS CONFORMING TO THE STANDARD SPECIFICATIONS, SECTION 7-05 SHALL BE CONSTRUCTED AT THE LOW POINTS OF THE CURBS AND TO THE LOCATIONS, DIMENSIONS, AND DETAILS AS SHOWN ON THE PLANS OR DESIGNATED BY THE ENGINEER AND CITY STANDARDS, DRAWING NO. R-8.
- TRENCH EXCAVATIONS, BEDDING, AND PIPE FOR STORMWATER PIPE LAYING SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 7-08.
- STORM SEWER PIPE CONSTRUCTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION, SECTION 7-04. MATERIAL SHALL BE HANCOCK SURE-LOK F477 PIPE OR CITY APPROVED EQUAL. LOTS STORM DRAIN SERVICE LINE SHALL BE 6" PVC PER THE STANDARD SPECIFICATIONS, SECTION 9-05.1(5).
- PERFORATED UNDERDRAIN PIPE SHALL MEET THE STANDARD SPECIFICATIONS SECTION 9-05.2(6).

MISCELLANEOUS NOTES

- RIP-RAP SHALL BE "HAND PLACED RIP-RAP" IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 9-13.2.

APPROVED

DEC 24 2012

BY: J. H. G., P.E.
CITY OF FERNDALE

FOR SURVEYOR'S AND ENGINEER'S
CERTIFICATION SEE SHEETS 5, 6 AND 7

COF# DE 2008-08

PHASES 1 & 3 AS-BUILT DRAWING - 12/23/09



DATCO edu LLC
2377 DOUGLAS ROAD - FERNDALE, WA
PIONEER MEADOWS MONTESSORI SCHOOL
COVER SHEET
PHASE 1 AND 3

PROJECT NUMBER:
DATC0001
DATE: 05-30-08
DESIGN: MID
DRAWN: KLST
CHECKED:

SCALE: AS NOTED
SHEET NO.
1
OF 11

NO. REVISIONS: APPD.

00535.001 12/20/12 JH

SECTION 30, T39N R2E, W.M.

LEGEND:

- FOUND REBAR (AS NOTED)
- ⊕ FERDALE MONUMENT SYSTEM TIE
- W — WATER MAIN
- D — WATER VALVE
- S — FIRE HYDRANT
- ⊙ WELL
- S — STORM DRAIN
- STORM DRAIN CATCH BASIN (AS NOTED)
- S — SANITARY SEWER MAIN
- SANITARY SEWER MANHOLE (AS NOTED)
- DIRECTIONAL FLOW ARROW
- ▨ SEPTIC TANK
- G — GAS MAIN
- P — OVERHEAD POWER LINE
- P-PSE — UNDERGROUND POWER LINE
- UT — OVERHEAD UTILITY POLE
- PWR — OVERHEAD POWER POLE
- T — OVERHEAD TELEPHONE LINE
- COM — UNDERGROUND COMMUNICATIONS LINE
- TEL — OVERHEAD TELEPHONE POLE
- TEL-R — TELEPHONE/COMMUNICATIONS RISER
- X — FENCE LINE (AS NOTED)
- ⊠ MB — MAILBOX
- ⊙ — SOILS TEST PITS
- ⊙ — WETLAND FLAG NUMBER
- ⊙ — DECIDUOUS TREE (AS NOTED)
- WETLAND

SURVEY METHOD:

THIS SURVEY WAS ACCOMPLISHED BY FIELD TRAVERSE USING A LEICA - TCRA 1103+.

SURVEY DATE: NOVEMBER 6, 2007
BY: DAVID EVANS & ASSOCIATES

SURVEY BOUNDARY REFERENCE:

BOUNDARY LINES TAKEN FROM RECORD OF SURVEY, A.F. #1362993

BASIS OF BEARING:

THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 30, TOWNSHIP 39 NORTH, RANGE 2 EAST OF W.M., AS BEING: S 01°33'37" W.

DATUM:

VERTICAL: NAVD88

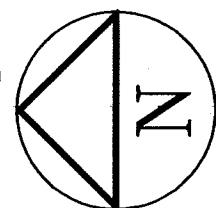
HORIZONTAL: CITY OF FERDALE COMPREHENSIVE MAPPING PROGRAM

LEGAL DESCRIPTION:

EXHIBIT "A"

A TRACT OF LAND IN THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 30, TOWNSHIP 39 NORTH, RANGE 2 EAST OF W.M., DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 30; THENCE EAST ON SECTION LINE BETWEEN SECTIONS 19 AND 30, A DISTANCE OF 1402.50 FEET; THENCE SOUTH TO A POINT ON THE SOUTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 30 AND THE TRUE POINT OF BEGINNING; THENCE WEST TO A POINT LYING 1185.00 FEET EAST OF THE SOUTHWEST CORNER OF THE NORTHWEST QUARTER; THENCE NORTH TO THE SOUTH LINE OF THE DOUGLAS ROAD; THENCE NORTHEASTERLY ALONG THE SOUTHERLY LINE OF THE DOUGLAS ROAD TO A POINT NORTH OF THE TRUE POINT OF BEGINNING; THENCE SOUTH TO THE TRUE POINT OF BEGINNING. TOGETHER WITH A TRACT OF LAND CONVEYED TO ARLENE R. COLEMAN FROM HAROLD W. AND PATRICIA A. NASON, BY DEED RECORDED UNDER AUDITOR'S FILE NO. 1360310; AND EXCEPT A TRACT OF LAND CONVEYED TO HAROLD W. AND PATRICIA A. NASON FROM ARLENE R. COLEMAN, BY DEED RECORDED UNDER AUDITOR'S FILE NO. 1360309; FURTHER EXCEPT RIGHT-OF-WAY FOR DOUGLAS ROAD LYING ALONG THE NORTH LINE THEREOF. SITUATE IN WHATCOM COUNTY, WASHINGTON



0 50 100
SCALE IN FEET

PHASES 1 & 3 AS-BUILT DRAWING - 12/23/09

NO.	REVISIONS:	APPD.



DAVID EVANS & ASSOCIATES, INC.
119 Grand Avenue, Suite D
Bellingham Washington 98225
Phone: 360.647.7151
Fax: 360.647.7160

DATCO edu LLC
2377 DOUGLAS ROAD - FERDALE, WA
PIONEER MEADOWS MONTESSORI SCHOOL
TOPOGRAPHIC SURVEY
EXISTING CONDITIONS

PROJECT NUMBER:
DATC0001
DATE: 04-24-08
DESIGN: SLG
DRAWN: SCW
CHECKED: SCW
SCALE: 1"=50'
SHEET NO.

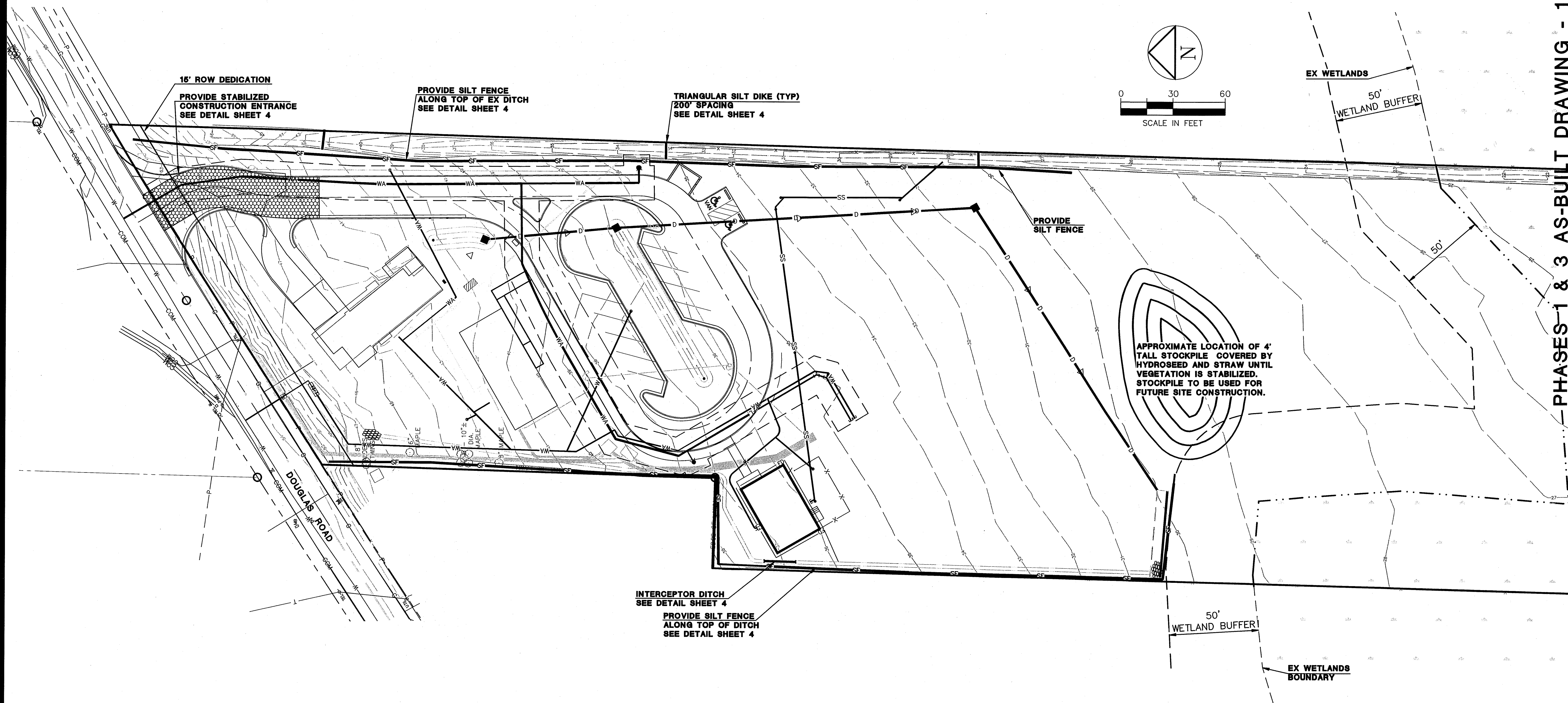
2

OF 11

APPROVED
DEC 24 2012
BY: [Signature] P.E.
CITY OF FERDALE



SECTION 30, T39N R2E, W.M.



PHASES 1 & 3 AS-BUILT DRAWING - 12/23/09



DATCO edu LLC
2377 DOUGLAS ROAD - FERNDALE, WA
PIONEER MEADOWS MONTESSORI SCHOOL
STORMWATER POLLUTION PREVENTION PLAN AND
EROSION & SEDIMENTATION CONTROL PLAN

DAVID EVANS
AND ASSOCIATES INC.
119 Grand Avenue, Suite D
Bellingham, Washington 98225
Phone: 360.847.7161
Fax: 360.847.7160

PROJECT NUMBER:
DATC0001

DATE: 05-30-08
DESIGN: MID
DRAWN: JKWA
CHECKED:

SCALE: 1"=30'

SHEET NO.

3

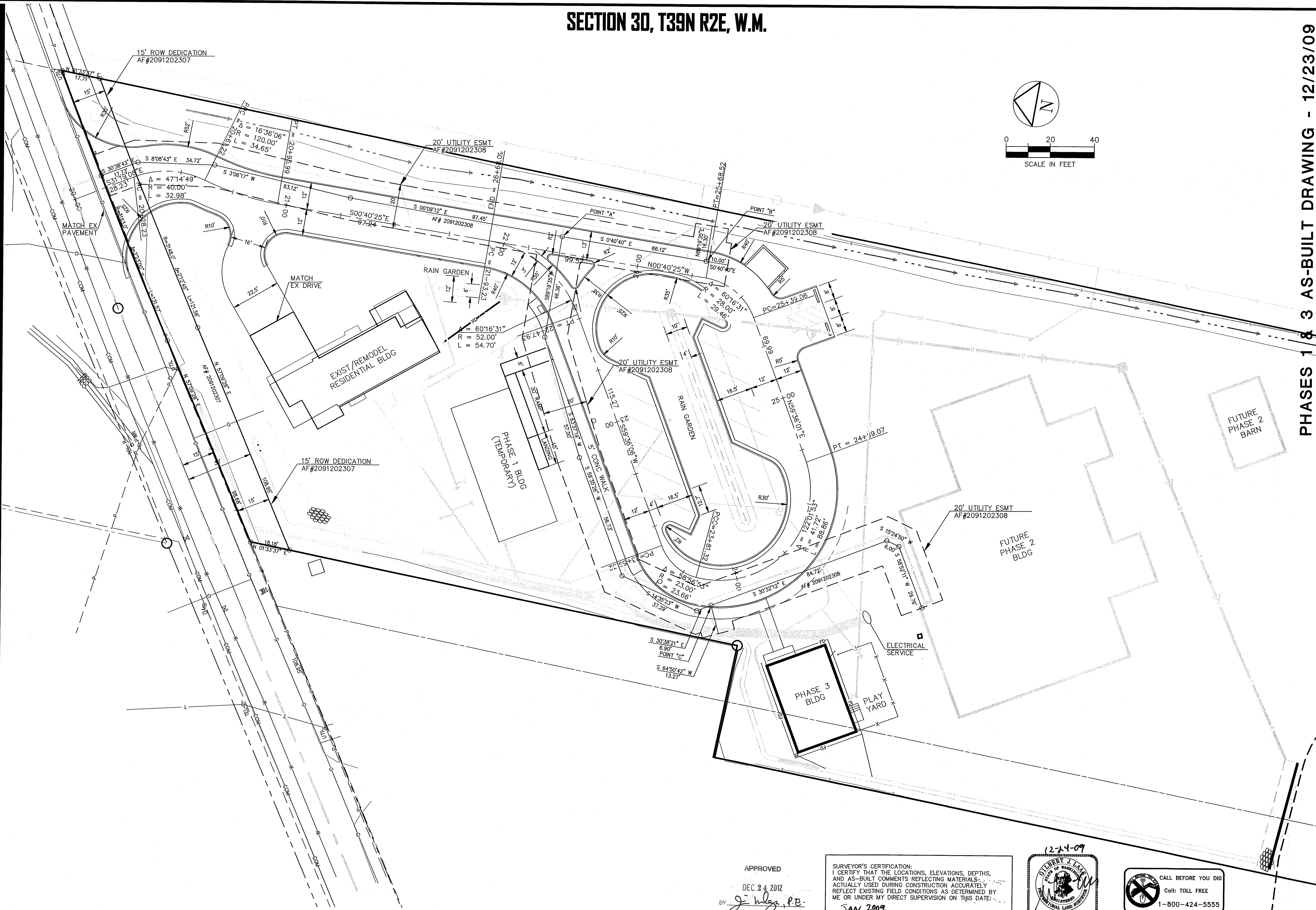
OF 11

APPROVED
DEC 24 2012
BY: *[Signature]* P.E.
CITY OF FERNDALE



NO.	REVISIONS:	APPD.

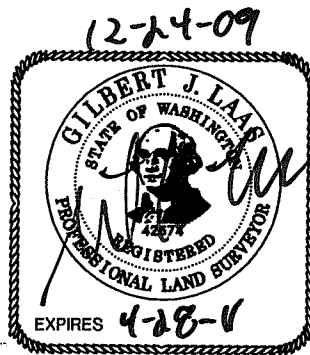
SECTION 30, T39N R2E, W.M.



gja 12/23/09 12:24pm - P:\DATC00000001\0400CAD\DWG\Record Drawings\Record Dwg P1-Sheets\RD-ecST005datc001.dwg

APPROVED
DEC 24 2012
BY *J. W. P.B.*
CITY OF FERNDALE

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:
JAN 2009



PROJECT NUMBER:
DATC0001
DATE: 04-25-08
DESIGN: MID
DRAWN: CSB
CHECKED:
SCALE: 1"=20'
SHEET NO.
5

DATCO edu LLC
2377 DOUGLAS ROAD - FERNDALE, WA
PIONEER MEADOWS MONTESSORI SCHOOL
SITE PLAN
DIMENSIONS AND CONTROL

DAVID EVANS
AND ASSOCIATES INC.
119 Grand Avenue, Suite D
Bellingham Washington 98225
Phone: 360.847.7151
Fax: 360.847.7160

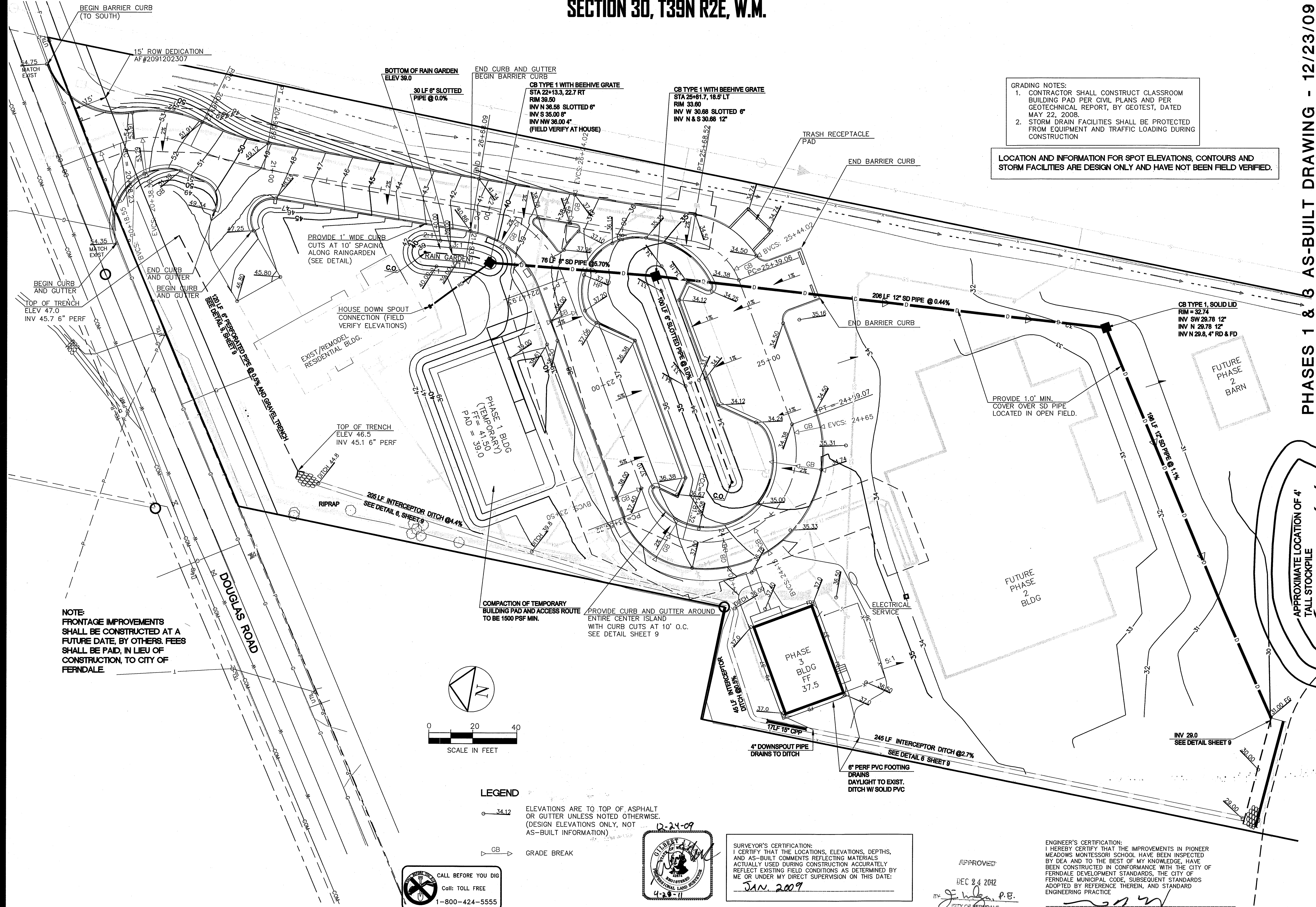
PHASES 1 & 3 AS-BUILT DRAWING - 12/23/09

NO.	REVISIONS:	APPD.

00525.006 12/26/12 SH

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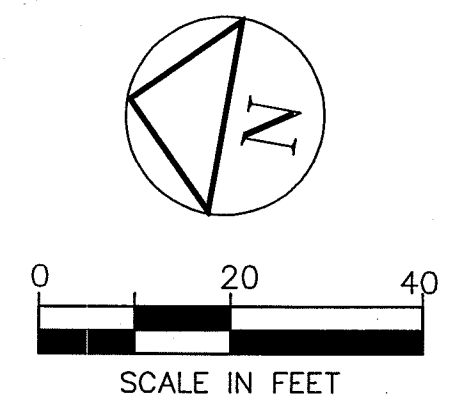
SECTION 30, T39N R2E, W.M.



GRADING NOTES:
1. CONTRACTOR SHALL CONSTRUCT CLASSROOM BUILDING PAD PER CIVIL PLANS AND PER GEOTECHNICAL REPORT, BY GEOTEST, DATED MAY 22, 2008.
2. STORM DRAIN FACILITIES SHALL BE PROTECTED FROM EQUIPMENT AND TRAFFIC LOADING DURING CONSTRUCTION.

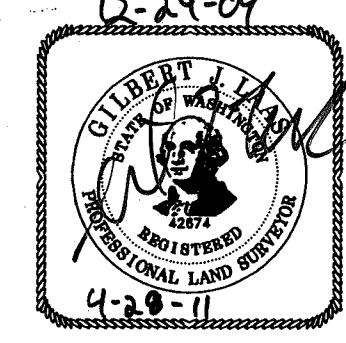
LOCATION AND INFORMATION FOR SPOT ELEVATIONS, CONTOURS AND STORM FACILITIES ARE DESIGN ONLY AND HAVE NOT BEEN FIELD VERIFIED.

NOTE:
FRONTAGE IMPROVEMENTS SHALL BE CONSTRUCTED AT A FUTURE DATE, BY OTHERS. FEES SHALL BE PAID, IN LIEU OF CONSTRUCTION, TO CITY OF FERNDALE.



LEGEND
— 34.12 — ELEVATIONS ARE TO TOP OF ASPHALT OR GUTTER UNLESS NOTED OTHERWISE. (DESIGN ELEVATIONS ONLY, NOT AS-BUILT INFORMATION)
— GB — GRADE BREAK

CALL BEFORE YOU DIG
Call: TOLL FREE
1-800-424-5555



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:
JAN. 2009

APPROVED
DEC 24 2012
J. W. J. P.E.
CITY OF FERNDALE

ENGINEER'S CERTIFICATION:
I HEREBY CERTIFY THAT THE IMPROVEMENTS IN PIONEER MEADOWS MONTESSORI SCHOOL HAVE BEEN INSPECTED BY DEA 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.

PHASES 1 & 2 AS-BUILT DRAWING - 12/23/09

DATCO edu LLC
2377 DOUGLAS ROAD - FERNDALE, WA
PIONEER MEADOWS MONTESSORI SCHOOL
GRADING AND STORM DRAINAGE PLAN

PROJECT NUMBER:
DATC0001
DATE: 04-25-08
DESIGN: MID
DRAWN: JXWA
CHECKED:
SCALE: 1" = 20'
SHEET NO.

6
OF 11

DAVID EVANS AND ASSOCIATES INC.
119 Grand Avenue, Suite D
Bellingham Washington 98225
Phone: 360.647.7151
Fax: 360.647.7160

NO.	REVISIONS:	APPD.

00525-000 12/26/12 SH

SECTION 30, T39N R2E, W.M.

PHASES 1 & 3 AS-BUILT DRAWING - 12/23/09

NO.	REVISIONS	APPD.



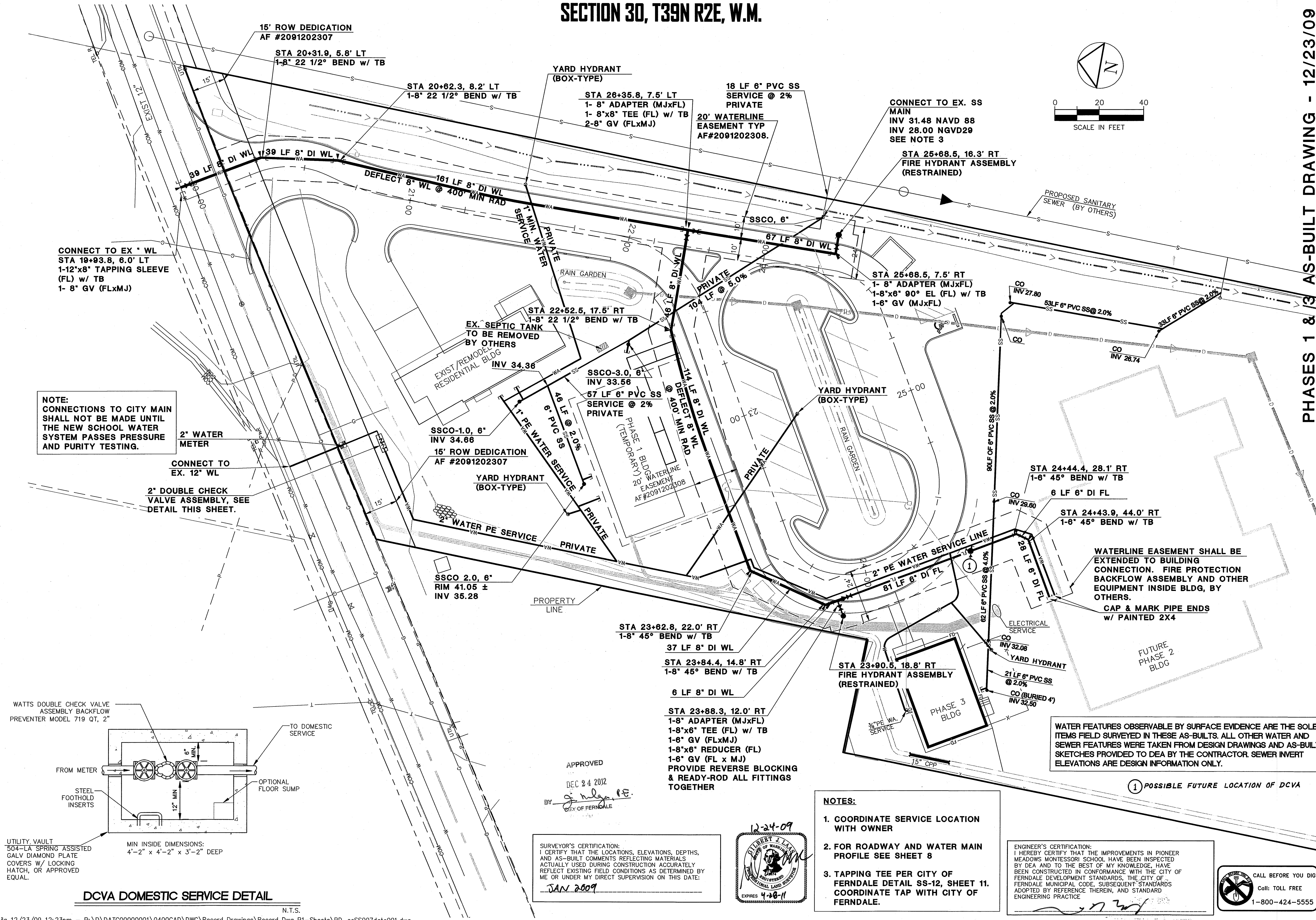
DAVID EVANS, INC.
119 Grand Avenue, Suite D
Bellingham, Washington 98225
Phone: 360.847.7151
Fax: 360.847.7160

PIONEER MEADOWS MONTESSORI SCHOOL
UTILITY PLAN
SANITARY SEWER & WATER PLAN

PROJECT NUMBER:
DATC0001
DATE: 04-25-08
DESIGN: MID
DRAWN: KLST
CHECKED:
SCALE: 1"=20'
SHEET NO.

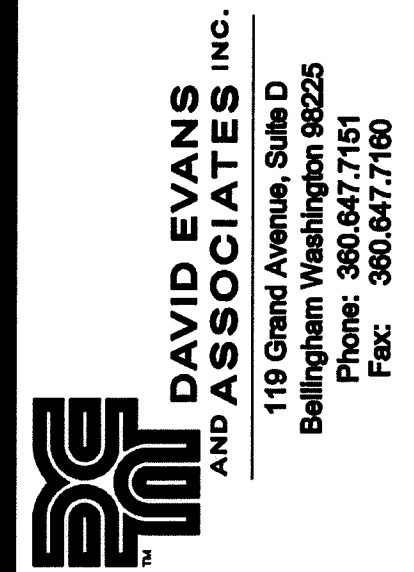
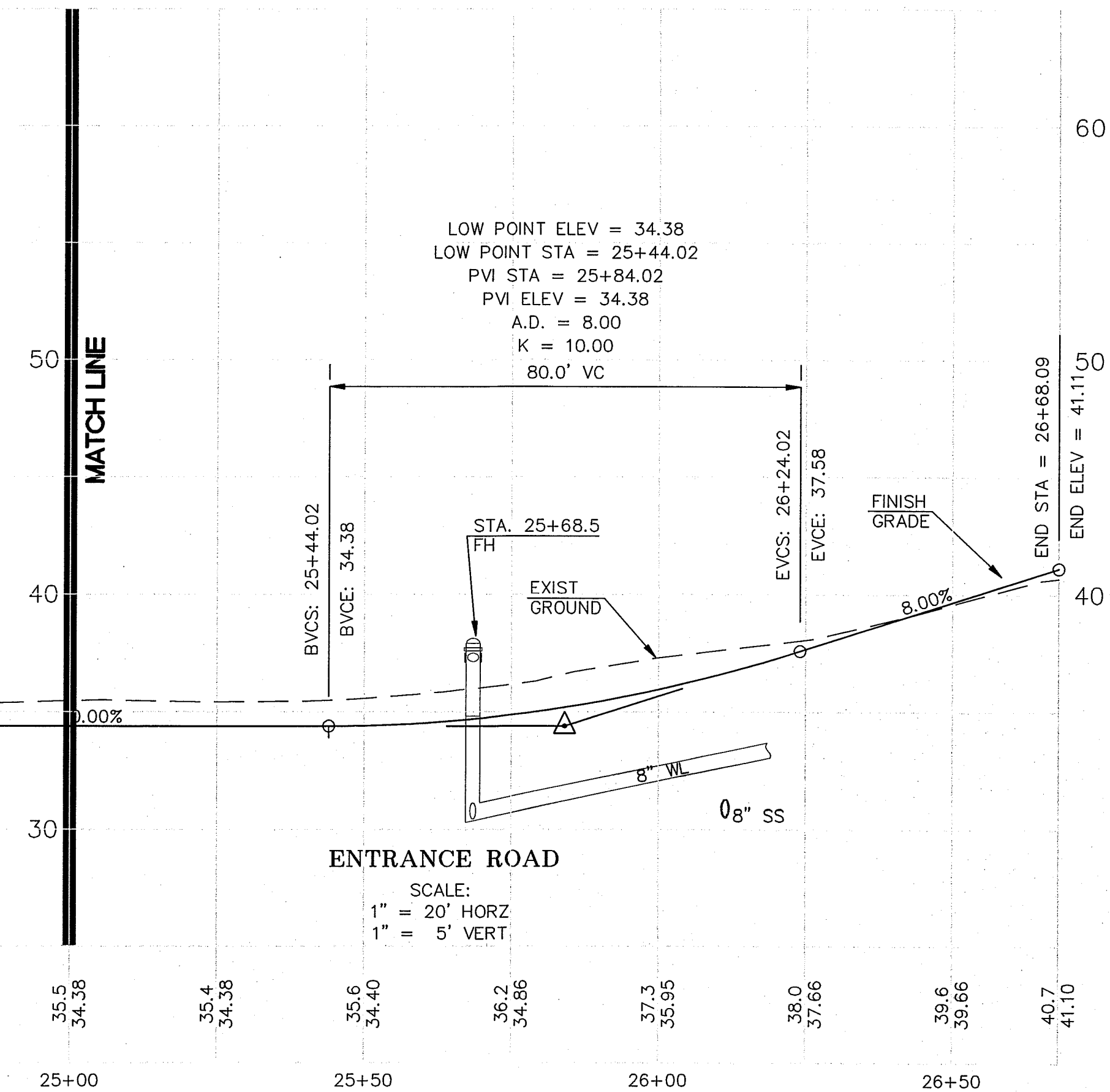
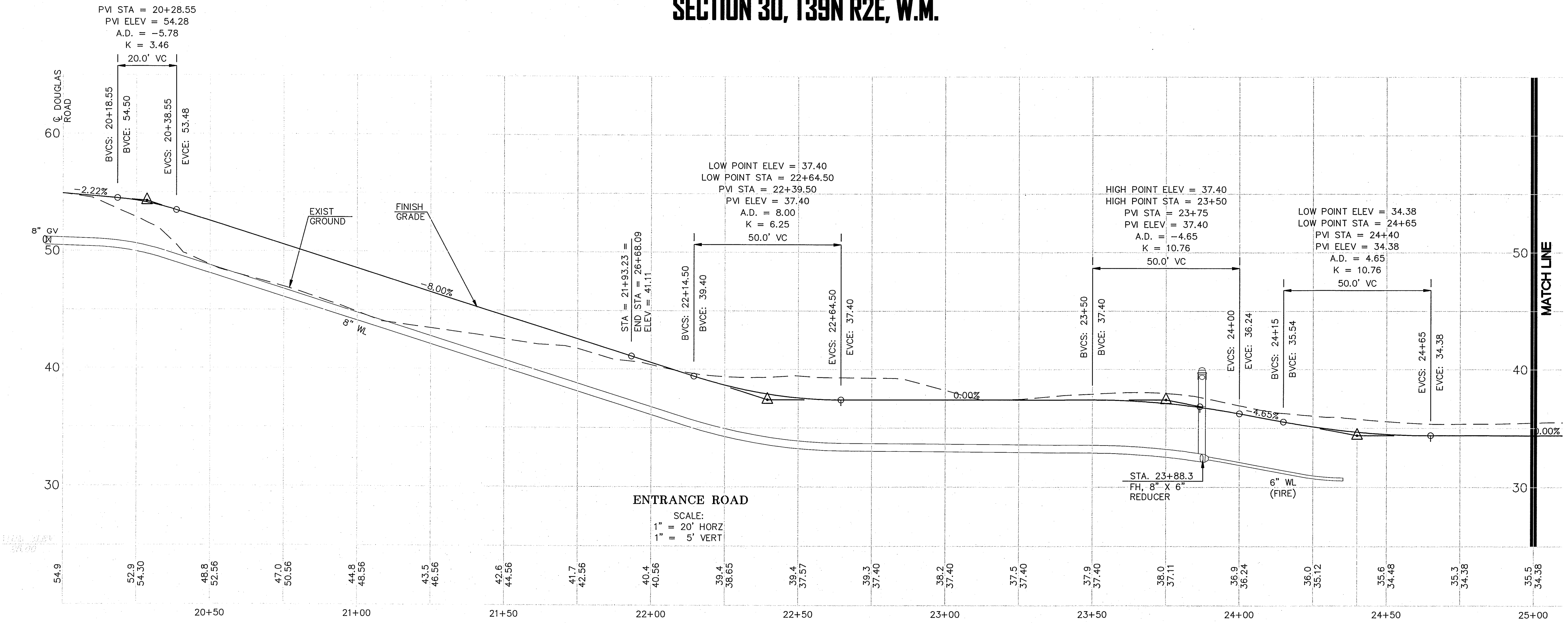
7
OF 11

005355-007 12/26/12 SH



SECTION 30, T39N R2E, W.M.

PHASES 1 & 3 AS-BUILT DRAWING - 12/23/09



DAVID EVANS AND ASSOCIATES INC.
119 Grand Avenue, Suite D
Bellingham Washington 98225
Phone: 360.847.7151
Fax: 360.847.7160

PIONEER MEADOWS MONTESSORI SCHOOL
ROADWAY & WATER MAIN
PROFILE

PROJECT NUMBER:
DATC0001

DATE: 04-25-08
DESIGN: KLST
DRAWN: KLST
CHECKED:

SCALE: 1"=20'

SHEET NO.

8
OF 11

APPROVED:
DEC 24, 2012
BY: [Signature]
CITY OF BELLINGHAM



00525-008 12/26/12

CONTRACTION JOINTS

CURB RAMP/DRIVEWAY SECTION

TYPICAL CURB SECTION

GENERAL NOTES:

CONTRACTION JOINTS OF ONE OF THE TYPES SHOWN ABOVE TO BE PLACED 10' C/C. JOINTS MUST COMPLETELY SEVER THE STRUCTURE TO THE POINTS SHOWN. JOINTS MAY BE MADE BY INSERTING MINIMUM 3/16" BITUMINOUS FILLER DUMMY JOINTS. JOINTS SHALL BE CLEANED AND EGGED.

2" WEEP HOLES TO BE PLACED ON EACH SIDE OF DRIVEWAY SECTION AND A MAXIMUM 80' C/C IN CUT SECTIONS WHERE SIDEWALK DRAIN NOT REQUIRED BY CITY PUBLIC WORKS DIRECTOR.

3/4" EXPANSION JOINTS TO BE PLACED AT DRIVEWAY SECTIONS, CURB RETURNS, CURB RAMPS AND COLD JOINTS OR A MAXIMUM OF 80' C/C. EXPANSION JOINTS SHALL PROTRUDE 1" BELOW THE BOTTOM OF GUTTER.

CONCRETE SHALL BE CEMENT CONCRETE CLASS 3000.

FINISHED WORK SHALL NOT VARY MORE THAN 1/8" IN GRADE AND 1/4" IN ALIGNMENT WHEN CHECKED WITH 10' STRAIGHT EDGE.

EXPOSED SURFACES SHALL BE BRUSHED WITH A FIBER BRUSH.

WHITE PIGMENTED OR TRANSPARENT CURING COMPOUND SHALL BE APPLIED AS OUTLINED IN THE STANDARD SPECIFICATIONS.

FURTHER REQUIREMENTS SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS.

APPROVED: *John & Elnor* Public Works Director Date

CITY OF FERNDAL CURB AND GUTTER

DRAWING R-9

JUNE 1995

2091RD2A/R-9

SECTION 30, T39N R2E, W.M.

PLAN VIEW LAYOUT 1 SEE NOTE 2

PLAN VIEW LAYOUT 2 SEE NOTE 2

PLAN VIEW LAYOUT 3 SEE NOTE 2

SECTION A

SECTION B

SECTION C

ISOMETRIC VIEW

NOTES

1. The bottom of the ramp shall have a level area (not in excess of 2% in any direction), 4' x 4'.

2. Layouts 1, 2, & 3 require two (2) of this bid item: "Cement Conc. Sidewalk Ramp Type 1". The bid item does not include the adjacent Curb (or Curb & Gutter), or Sidewalk.

3. Ramp slopes shall not be steeper than 12H:1V.

4. To the maximum extent feasible, ramp cross slopes shall not exceed 2%.

5. Avoid placing drainage structures, junction boxes or other obstructions in front of ramp access areas.

6. Curb & Gutter is shown, see the Contract Plans for the curb design specified. See Standard Plan F-10.12 for curb details.

7. See Standard Plan F-30.10 for sidewalk joint placement and details.

DETECTABLE WARNING PATTERN DETAIL

SIDEWALK RAMP TYPE 1 WITH LAYOUTS

STANDARD PLAN F-40.10-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III 10-05-07

Washington State Department of Transportation

STANDARD METAL FRAME & GRATE

6" RISER SECTION

12" RISER SECTION

PRECAST BASE SECTION

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: *John & Elnor* Public Works Director Date

CITY OF FERNDAL CATCH BASIN TYPE I

DRAWING ST-1

JUNE 1995

ADJUSTMENT SECTION

MODIFIED STEP-SEE STANDARD PLAN

PRECAST FLAT TOP

PRECAST SECTION

RUBBER GASKETED JOINTS REQUIRED

STEPS-SEE STANDARD PLAN

LADDER-SEE STANDARD PLAN

MAXIMUM PIPE SIZE 21"

MAXIMUM PIPE SIZE MAY BE LIMITED BY PIPE CONFIGURATION

FIELD CONSTRUCT CHANNEL & SHELF (PRECAST CHANNEL UNACCEPTABLE)

PRECAST BASE SECTION

CAST IN PLACE BASE

TYPE 1 - 48" MANHOLE

NTS

NOT TO SCALE

APPROVED: *John & Elnor* Public Works Director Date

CITY OF FERNDAL TYPE 1 48" MANHOLE

DRAWING SS-2

JANUARY 1993

2" SQUARE CONCRETE BLOCK TO ENCASE CLEAN-OUT. IN AREAS WHERE CLEAN-OUT OCCURS IN ASPHALT, THIS BLOCK IS TO BE LEFT APPROX 1 1/2" LOW TO ALLOW FOR AN ASPHALT TOPPING OF LIKE MIXTURE AS THE SURROUNDING AREA. IF CLEAN-OUT OCCURS IN CONCRETE OR IN SOME TYPE OF SOIL, THE BLOCK IS TO BE MADE THE FULL 1' DEPTH AND FLUSH WITH THE SURROUNDING SURFACE.

1/8" Riser - 1/8" Wide Border

3/4" Squares Spaced - 3/4" As Indicated - 1/8"

CLEAN-OUT LIDS WHICH INCORPORATE A "GRAB BAR" FOR EASY LID REMOVAL ARE NO LONGER ALLOWED. LIDS SIMILAR TO THE VIEW AT LEFT OR THEIR EQUIVALENT ARE TO BE USED.

NOT NECESSARY TO BOND COVER PIPE TO RING AT THIS POINT. BUT TO RING AND ENCASE IN CONCRETE BLOCK.

CAST IRON RING AND COVER

MONUMENT RING AND COVER NOT ACCEPTABLE.

PIPE MATERIAL AS SPECIFIED

PLACE PIPE ON UNDISTURBED SOIL IN AREA BETWEEN BENDS

Plug To Be Sealed in Some Manner As Main Sewer Joints.

DO NOT SCALE

SSCD 04/30/92 16-17

NOT TO SCALE

APPROVED: *John & Elnor* Public Works Director Date

CITY OF FERNDAL 8" CLEAN OUT

DRAWING SS-5

JANUARY 1993

TYPE "E" BARRIER CURB

DUMMY JOINTS SHALL EXTEND 2" BELOW GUTTER LINE, BE MINIMUM OF 3/8" THICK AND BE 10' C/C OR AS DIRECTED BY THE CITY ENGINEER. PARTIAL DIVISION PLATES MAY BE USED IN LIEU OF DUMMY JOINTS IF APPROVED BY THE CITY ENGINEER.

2" WEEP HOLES EVERY 60' AND EACH SIDE OF DRIVEWAYS.

CONCRETE SHALL BE CLASS "C". (3000 PSI)

APPROVED

DEC 24 2012

BY: *John & Elnor* Public Works Director

CITY OF FERNDAL

CALL BEFORE YOU DIG

Call: TOLL FREE

1-800-424-5555

PHASES 1 & 3 AS-BUILT DRAWING - 12/23/09

DATCO edu LLC

2377 DOUGLAS ROAD - FERNDAL, WA

PIONEER MEADOWS MONTESSORI SCHOOL

STANDARD DETAILS

PROJECT NUMBER: DATC0001

DATE: 04-25-08

DESIGN: MID

DRAWN: HJC

CHECKED:

SCALE: AS NOTED

SHEET NO. 10

OF 11

DAVID EVANS AND ASSOCIATES INC.

119 Grand Avenue, Suite D

Bellingham Washington 98225

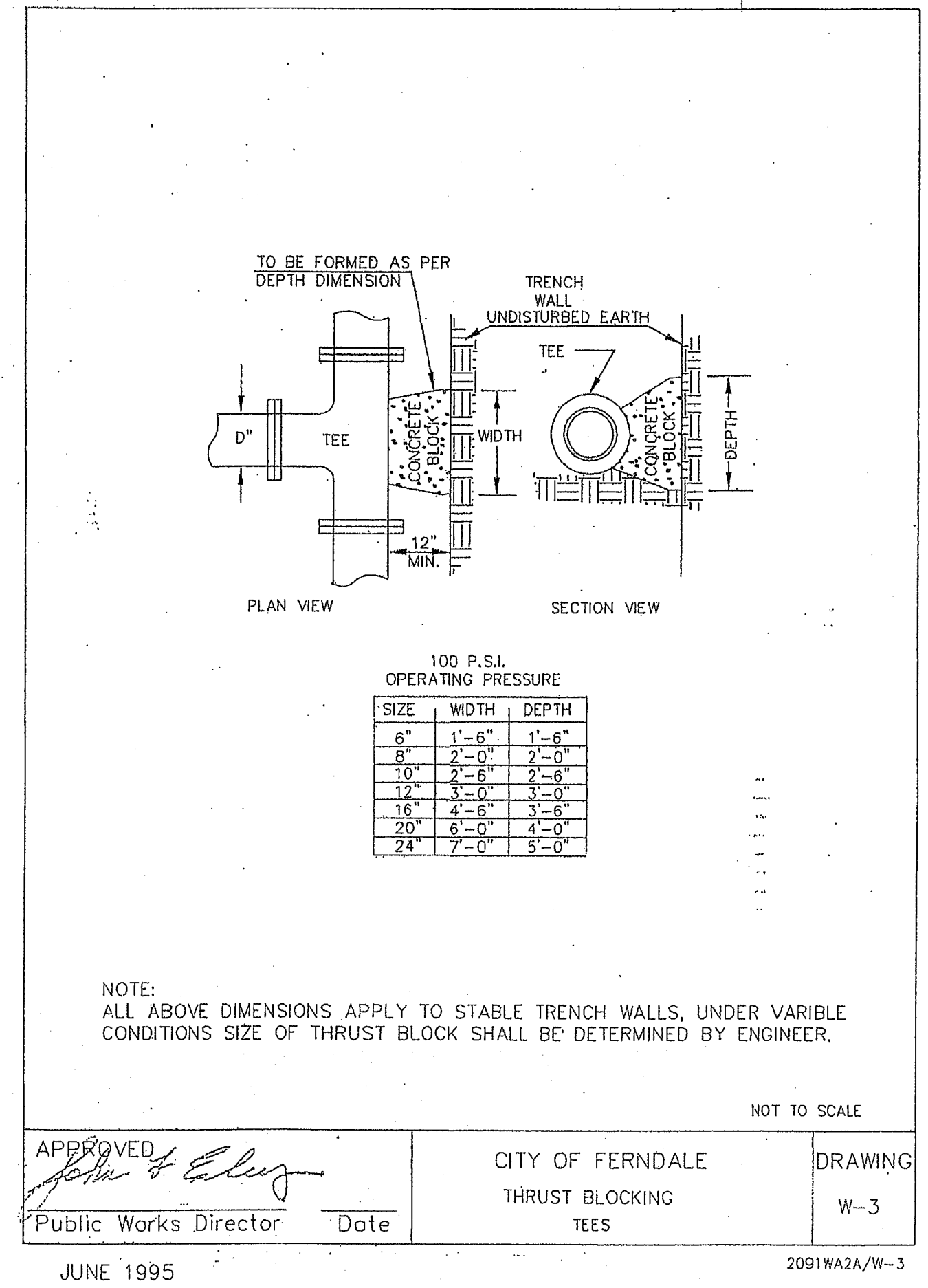
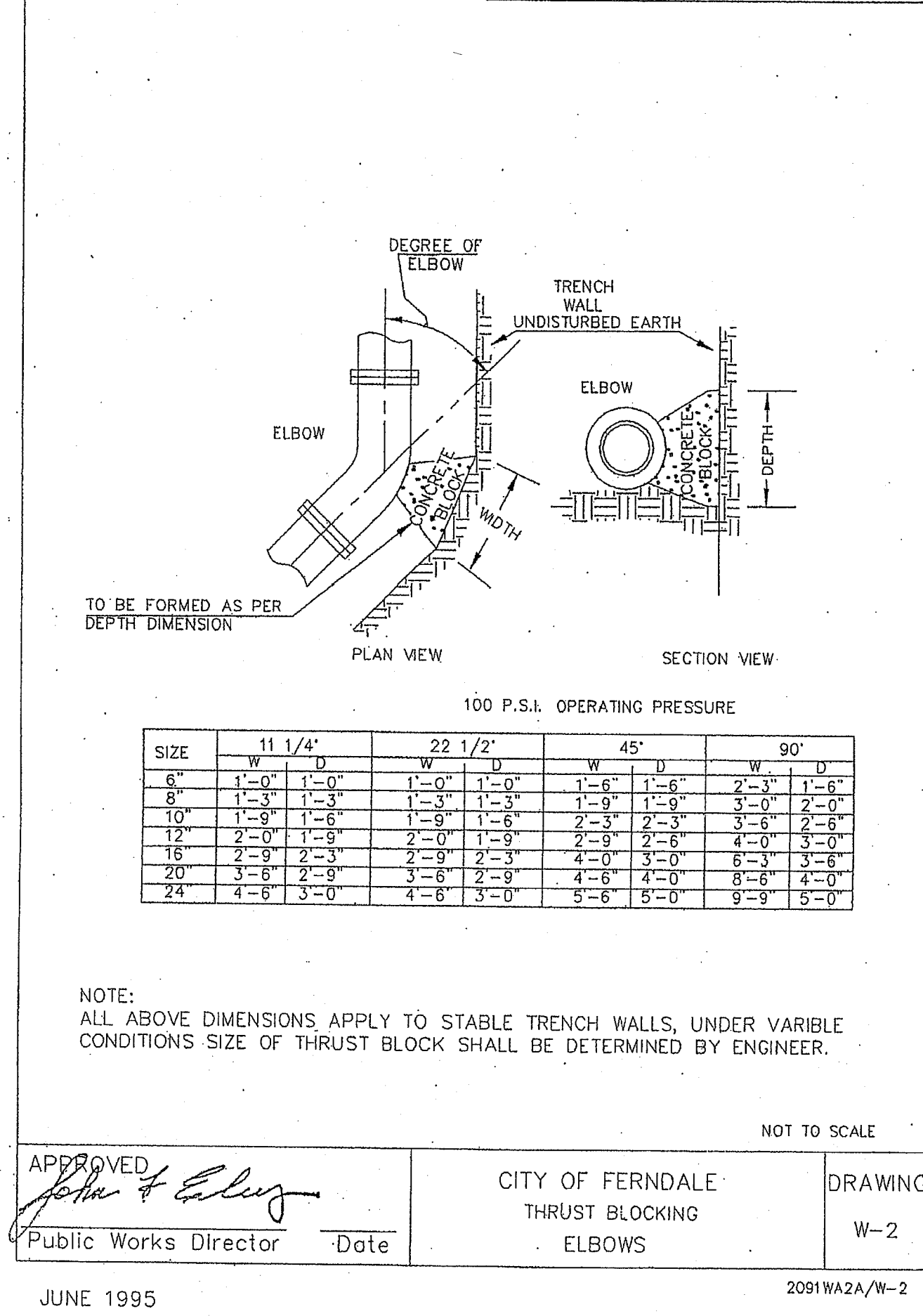
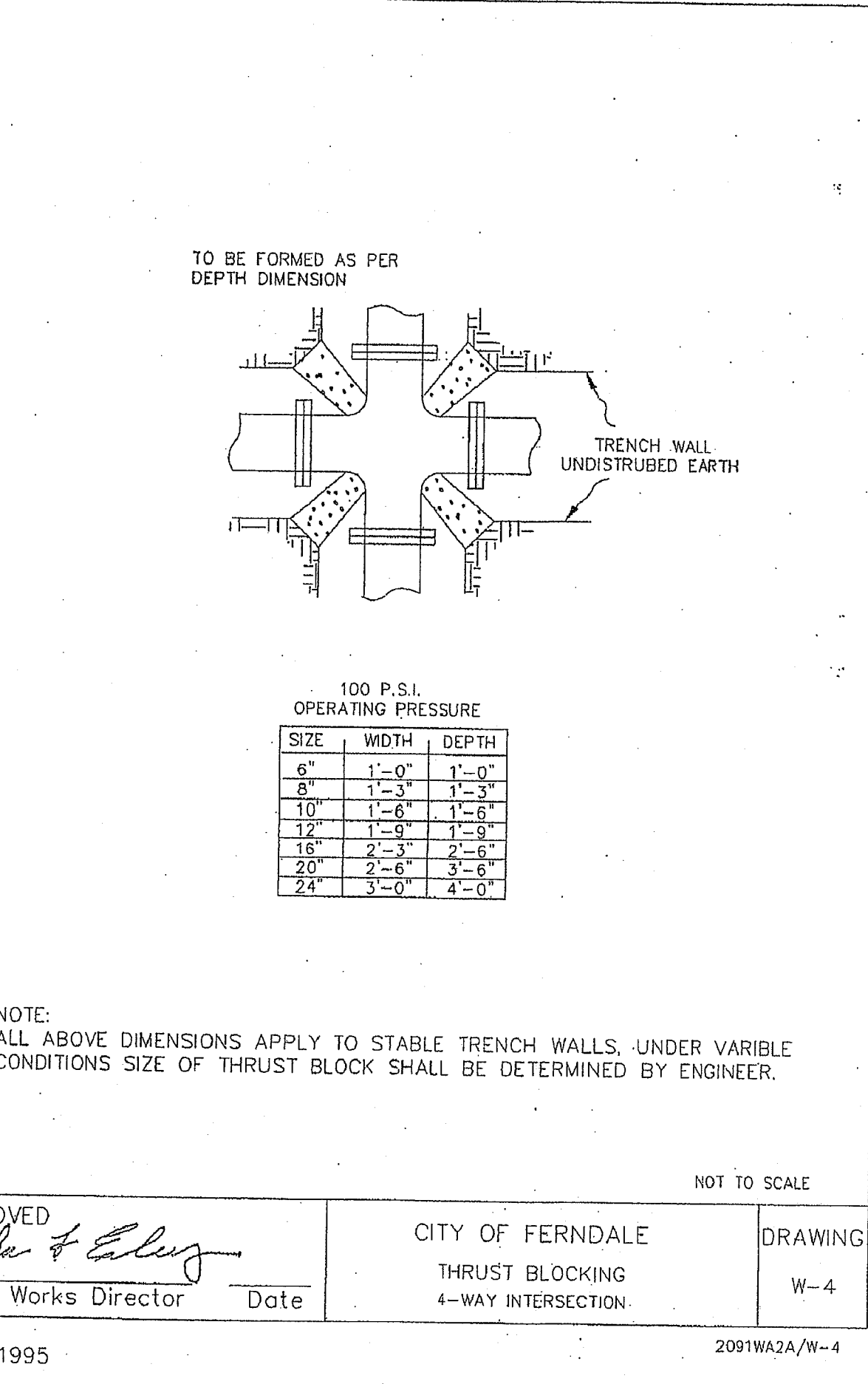
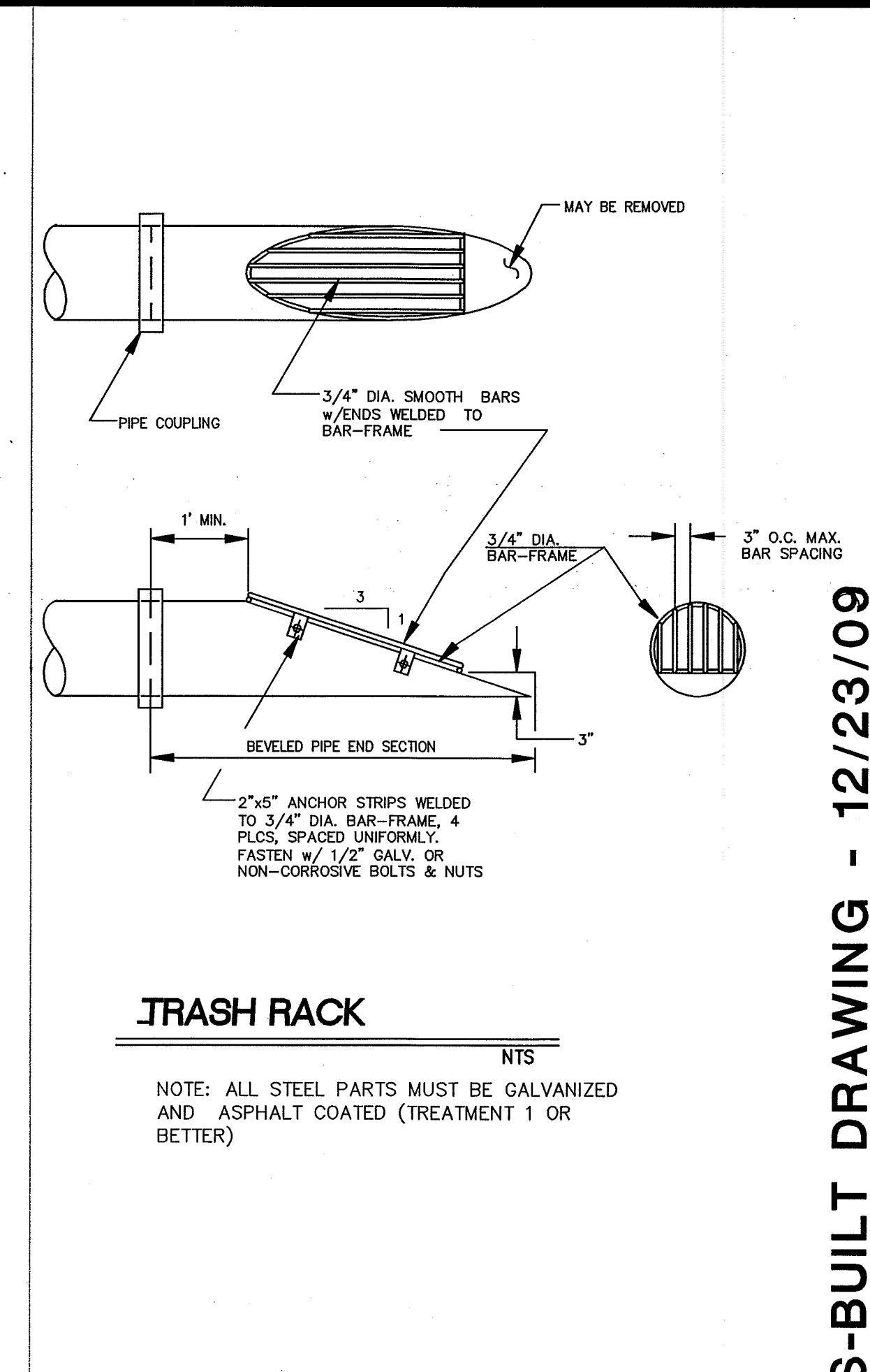
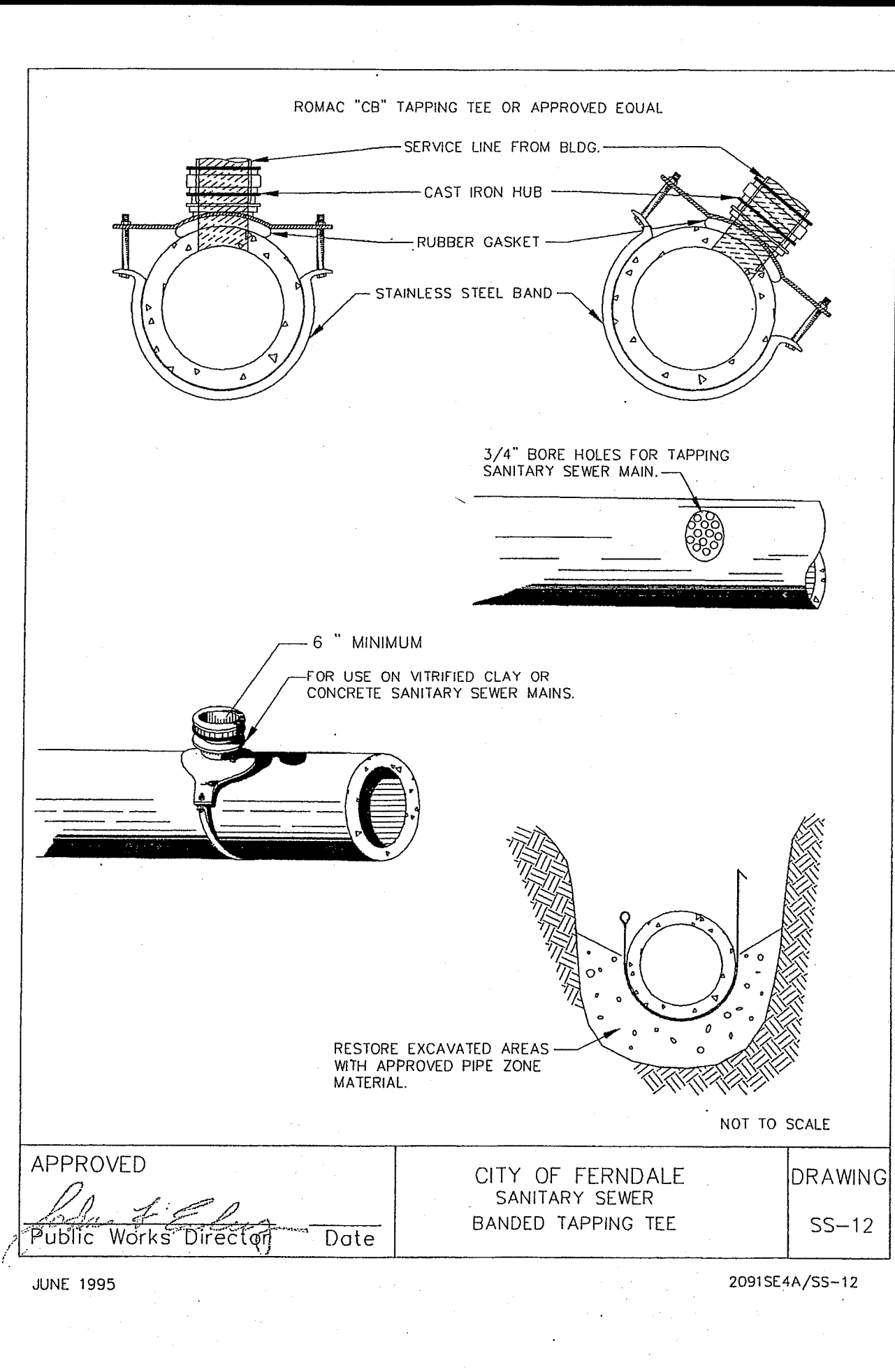
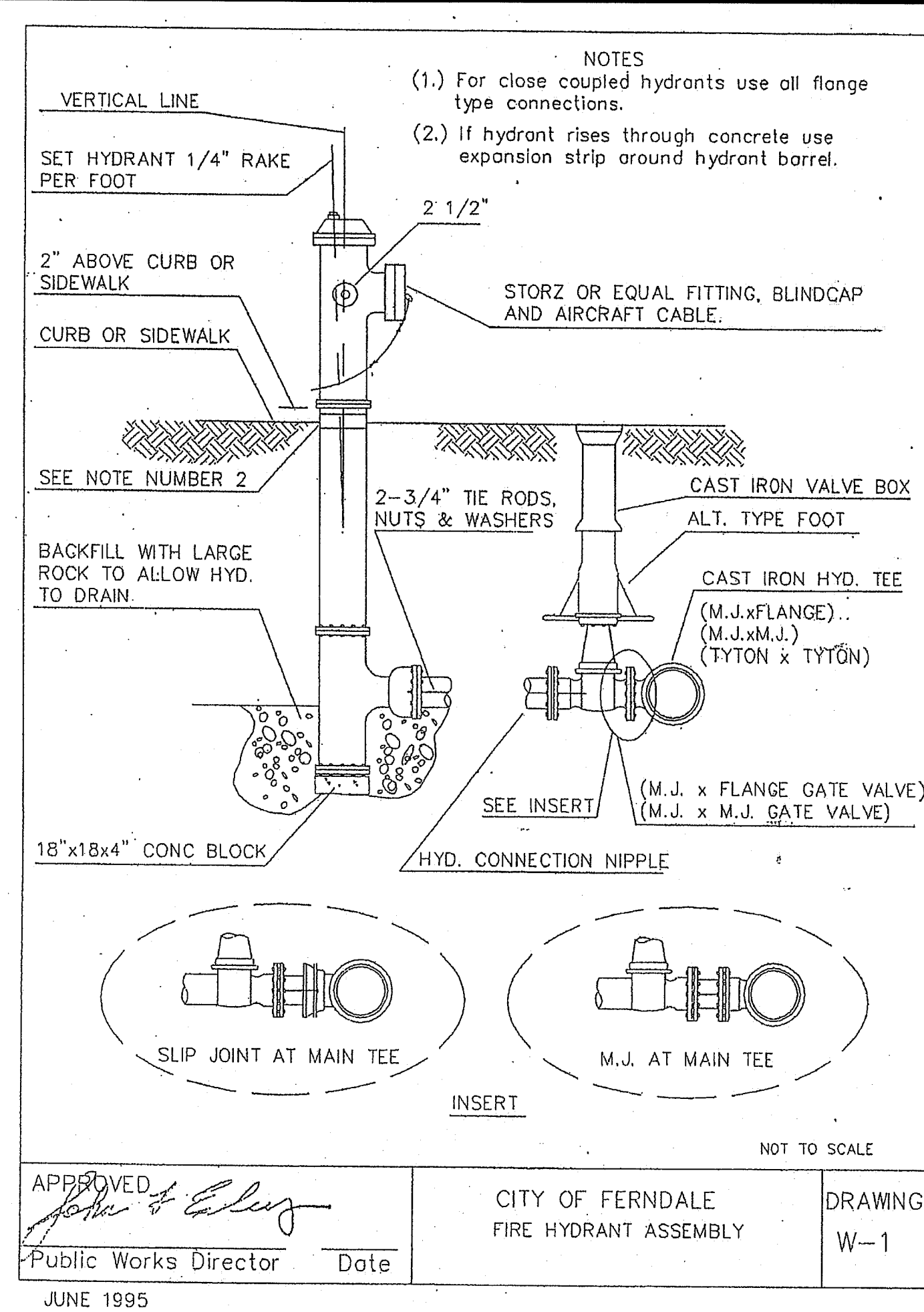
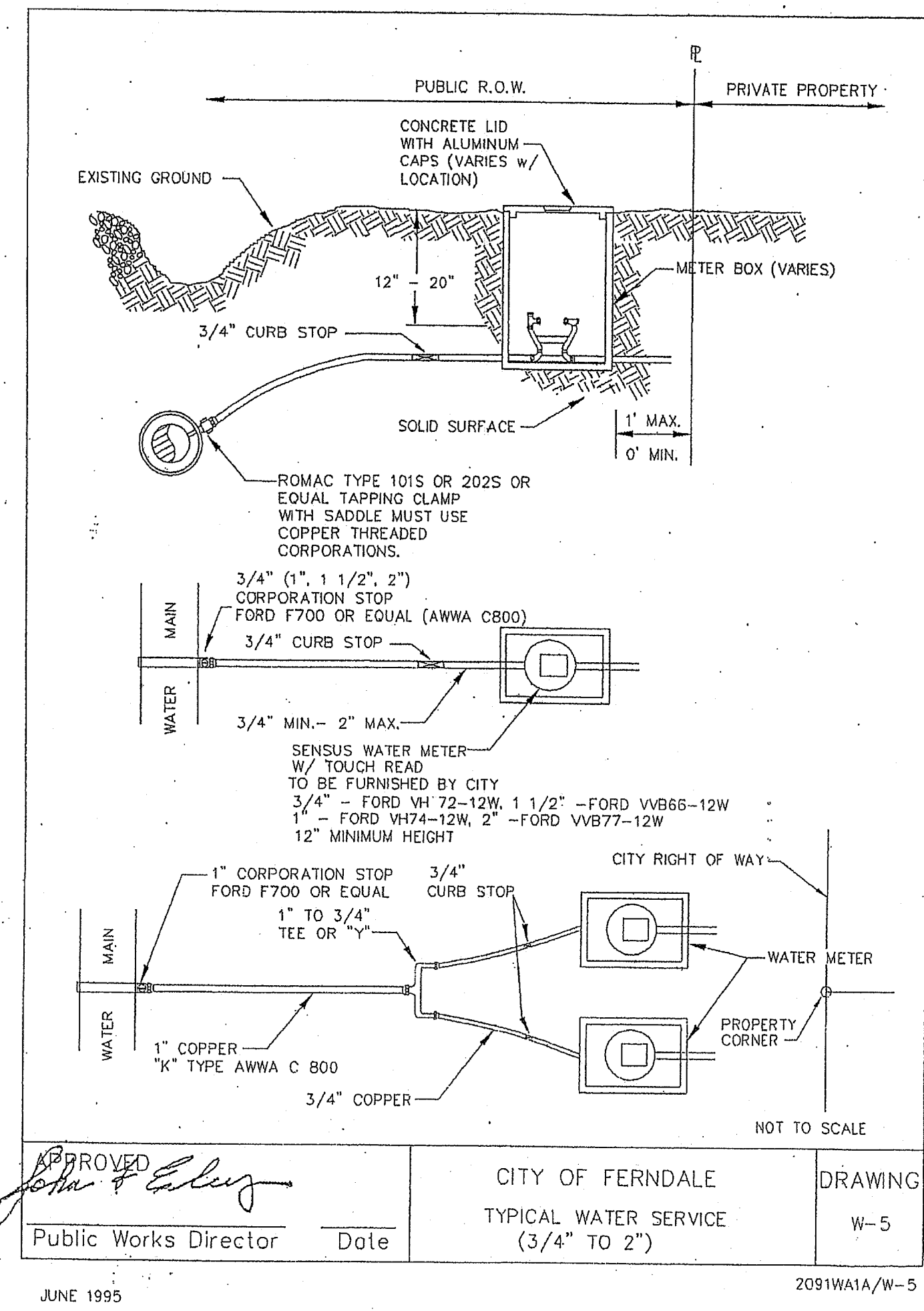
Phone: 360.847.7161

Fax: 360.847.7160

NO. REVISIONS:

APPD.

00625.010 12/26/12 SH



PHASES 1 & 3 AS-BUILT DRAWING - 12/23/09

DATCO edu LLC
2377 DOUGLAS ROAD - FERNDALE, WA
PIONEER MEADOWS MONTESSORI SCHOOL
WATER STANDARD DETAILS

PROJECT NUMBER:
DATC0001
DATE: 04-25-08
DESIGN: MID
DRAWN: HJC
CHECKED:
SCALE: AS NOTED
SHEET NO.

11

DAVID EVANS AND ASSOCIATES INC.
119 Grand Avenue, Suite D
Bellingham Washington 98225
Phone: 360.847.7151
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0525. 01 12/24/12 SA