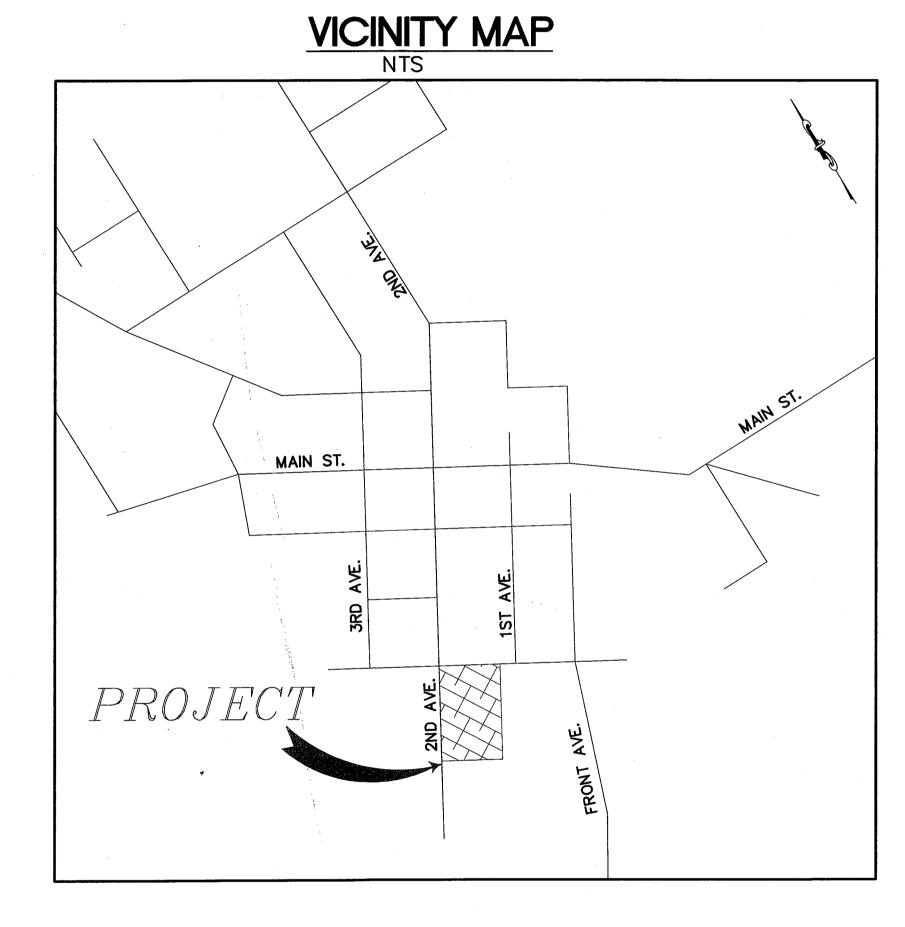
FRNDALE BOYS & GIRLS CLUB

MEW CILUBIAOUSE

CONSTRUCTION TO BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, & MUNICIPAL CONSTRUCTION, CURRENT EDITION & CITY OF FERNDALE STANDARDS.

T39, R3E, SECT. 29

LEGEND



SHEET INDEX

CVR - COVER SHEET EXISTING CONDITIONS C2 - SITE PLAN C3 - SECOND ST. IMPROVEMENTS C4 - CHERRY ST. C5 - CHERRY ST. STORMWATER **EXTENSION** C6 - DETAIL SHEET C7 - DETAIL SHEET C8 - DETAIL SHEET C9 - DETAIL SHEET C10 - TEMPORARY EROSION & SEDIMENTATION CONTROL (TESC)

C11 - GENERAL NOTES/REQUIREMENTS

REFERENCE THEREIN, AND STANDARD ENGINEERING PRACTICE."

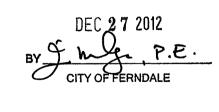
A. ENGINEER'S CERTIFICATION: "I HEREBY CERTIFY THAT THE IMPROVEMENTS ON FERNDALE BOYS AND GIRLS CLUB HAVE BEEN INSPECTED BY REICHHARDT AND EBE, ENGINEERING, INC. AND TO THE BEST OF MY KNOWLEDGE, HAVE BEEN CONSTRUCTED IN CONFORMANCE WITH THE CITY OF FERNDALE MUNICIPAL CODE. SUBSEQUENT STANDARDS ADOPTED BY

B. SURVEYOR'S CERTIFICATION: "I CERTIFY THAT THE LOCATIONS, ELEVATIONS, DEPTHS, AND AS-BUILT COMMENTS REFLECTING MATERIALS ACTUALLY USED DURING CONSTRUCTION ACCURATELY REFLECT EXISTING FILED CONDITIONS AS DETERMINED BY ME OR UNDER MY DIRECT SUPERVISION ON THIS DATE: 9/10/10

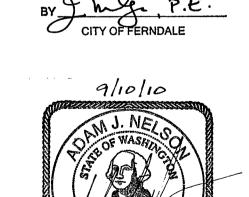
SCH = SCHEDULE

WM = WATER METER

S = SOUTH



APPROVED



Linnand	
\$ <u>-</u> \	= EX STREET LIGHT
мвП	= EX MAIL BOX
\boxplus	= EX WATER METER
Ö	= EX WATER SPIGOT
\bowtie	= EX WATER VALVE
	= EX FIRE HYDRANT
	= EX TRAFFIC SIGNAL VAULT
\circ	= E\ SEWER MANHOLE
	= EX STORM DRAIN CATCH BASIN TYPE I
	= EX STORM DRAIN CATCH BASIN TYPE II
-0-	= EX UTILITY POLE
	= EX GAS METER
\triangle	= EX TRANSFORMER PAD
P	= EX POWER VAULT
	= EX SIGN
Ü	= EX TELEPHONE PEDESTAL
4	= EX SIGNAL POLE AND ARM W/ LUMINAIR
(\cdot)	= EX TREE
	= EX VEGETATION

-----G----G----G-----G------= EX GAS MAIN

= EX TREE LINE

= EX SIDEWALK

--- = EX EASEMENT

= EX BUILDING

= EX SANITARY SEWER FORCE MAIN

= EX FLOWLINE

= EXISTING RR TRACKS

= EX MONITORING WELL

= EX STORM CLEANOUT = EX SEWER CLEANOUT

= EX SOIL BORING LOCATION

= EX CONCRETE

= EX GUY WIRE

= EX JBOX

O O O = EX GUARDRAIL

· · · · · · · · · · · · · · · · · · ·	= PROPOSED DITCH CL
	= PROPOSED BUILDING
————BB ————BB —	= PROPOSED TOE OF BANK
	= PROPOSED CONDUIT
— — — тв — — — тв —	= PROPOSED TOP OF BANK
95	= PROPOSED MAJOR CONTOUR
95	= PROPOSED MINOR CONTOUR
xx	= PROPOSED FENCE
	= PROPOSED HANDRAIL
	= PROPOSED CONSTRUCTION EASEMENT
————FM ————FM —	= PROPOSED SANITARY SEWER FORCE MAIN
— — — FO — — — FO —	= PROPOSED FIBER OPTICS
	= PROPOSED GRADE BREAK
0 0 0	= PROPOSED GUARDRAIL
· ·	= PROPOSED GRAVEL
	= PROPOSED PATH
	= PROPOSED PARKING STRIPE
	= PROPOSED TRAFFIC STRIPE
*************************************	= PROPOSED ROCK WALL
	= PROPOSED BACK OF CURB
	= PROPOSED ROAD CL
	= PROPOSED ROAD EDGE OF PAVEMENT
	= PROPOSED ROAD FACE OF CURB
	= PROPOSED ROAD LIP OF GUTTER
	= PROPOSED RIGHT OF WAY
	= PROPOSED SAWCUT
so	
SD	
	= PROPOSED TRAFFIC SIGNAL CONDUCTOR
	= PROPOSED SILT FENCE
————————	= PROPOSED SANITARY SEWER
~~~~~~	= PROPOSED TREE LINE
w	= PROPOSED WATERMAIN
	= PROPOSED SIDEWALK
	= PROPOSED PAVEMENT VALLEY
	= PROPOSED GRIND
	- I NOI OOLD GAIND
	= PROPOSED DEMOLITION AREA
	DDODOGED ACRUM T ADDOM
	= PROPOSED ASPHALT APRON
	= PROPOSED RIGHT OF WAY TAKE
	= PROPOSED CONC. SIDEWALK / DRIVEWAY
	= PROPOSED INFILTRATION TRENCH
	= PROPOSED INFILTRATION FILTER MEDIA
777777777777777777777777777777777777777	= PROPOSED BUILDING

PROPOSED

ABBREVIATIONS

	AC	= ASBESTOS CEMENT	FL	= FLOW LINE
	ASPH	= ASPHALT	FF	= FINISHED FLOOR
	BLDG	= BUILDING	FG	= FINISHED GRADE
	CATV	= CABLE TELEVISION	FT/FT	= FEET PER FOOT
	CL	= CLASS, CENTERLINE	F&C	= FRAME AND COVER
	COMP	= COMPACTED	F&G	= FRAME AND GRATE
	CONC	= CONCRETE	IW	= INJECTION WELL
	C & G	= CURB & GUTTER	IE, INV	= INVERT ELEVATION
	CPDP	= CORRUGATED POLYETHYLENE DRAIN PIPE	L	= LENGTH
	ø	= DIAMETER	ᄕ	= LINEAR FEET
	DI	= DUCTILE IRON	LOC	= LOCATION
I	Ε	= EAST	MAX	= MAXIMUM
	EOP, EP	= EDGE OF PAVEMENT	MPOC .	= MID-POINT ON CURV
	EX, EXIST	= EXISTING	MIN	= MINIMUM
I	İR	= EXISTING IRRIGATION	MOD	= MODIFIED
I	SN	= EXISTING SIGN	MW	= MONITORING WELL

N = NORTHOC = ON CENTER = POINT OF COMPOUND CURVATURE

= SANITARY SEWER MANHOLE

= STANDARD PLAN STA = STATIONSDCB = STORM DRAIN CATCH BASIN SDMH = STORM DRAIN MANHOLE TEL = TELEPHONE TL = TRAFFIC LOOP UP = UTILITY POLE WSDOT = WASHINGTON STATE = RADIUS W = WEST

EXPIRES 01/04/12

BY

CALL BEFORE YOU DIG 1-800-424-5555

FT = FEET

DRAWN BY IDH CHECKED BY

MON = MONUMENT

REICHHARDT & EBE ENGINEERING, INC.

PO Box 978 423 Front St., Ste 201 Ph (360) 354-3687 Fax (360) 354-0407 NO. DATE

AS-BUILT

REVISION

DEPARTMENT OF TRANSPORTATION

FERNDALE BOYS AND GIRLS CLUB 2015 CHERRY ST. FERNDALE, WA 98248

COVER SHEET

/ LUMINAIRE

 JOB# / DWG	· · · · · · · · · · · · · · · · · · ·	DATE
04026	SP7.AB	11-6-09
SCALE		SHEET
#:n/a	v:n/a	CVR

= PROPOSED MONITORING WELL

= PROP STORM CLEANOUT

= PROPOSED HYDRANT

= PROPOSED COUPLER

= PROPOSED SIGN

= PROPOSED TREE

= FLOW ARROW

= PROPOSED UTILITY POL

= PROPOSED WATER METER = PROPOSED WATER VALVE

= PROPOSED STORM DRAIN INLET

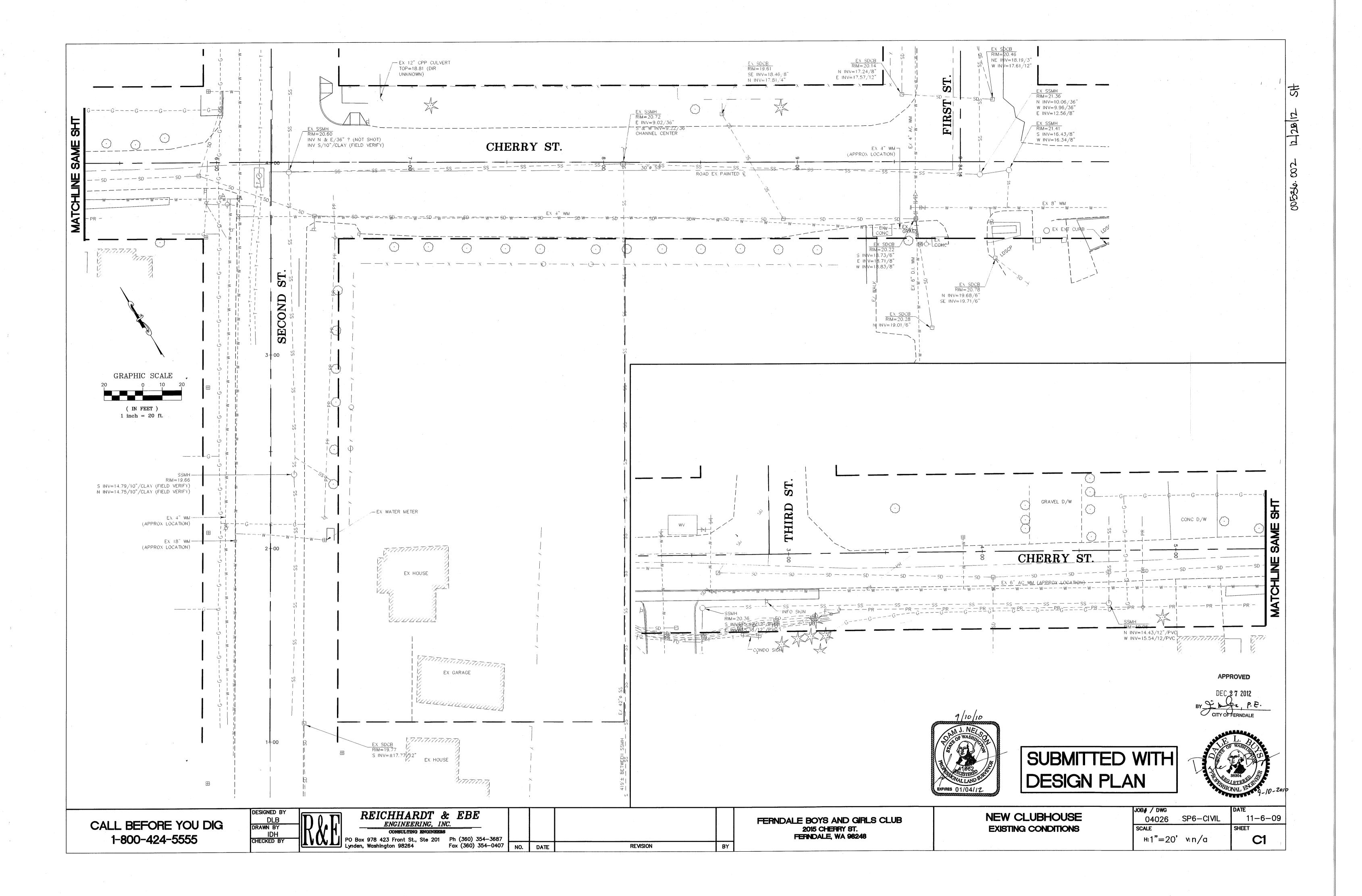
= PROPOSED SANITARY SEWER MANHOLE

= PROPOSED SANITARY SEWER MANHOLE

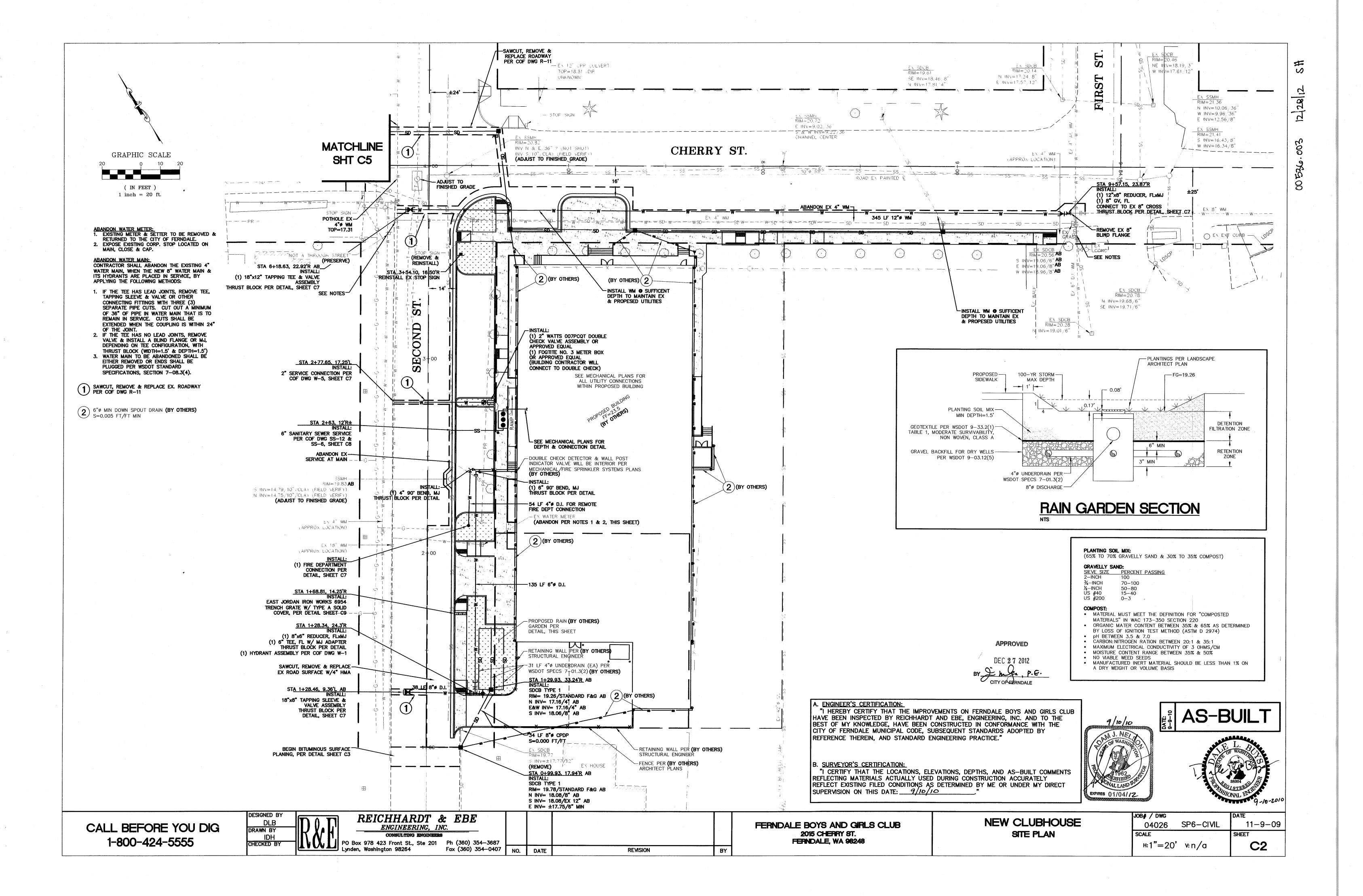
= PROPOSED SANITARY SEWER CLEAN OUT

= PROPOSED STORM DRAIN CATCH BASIN TYPE !

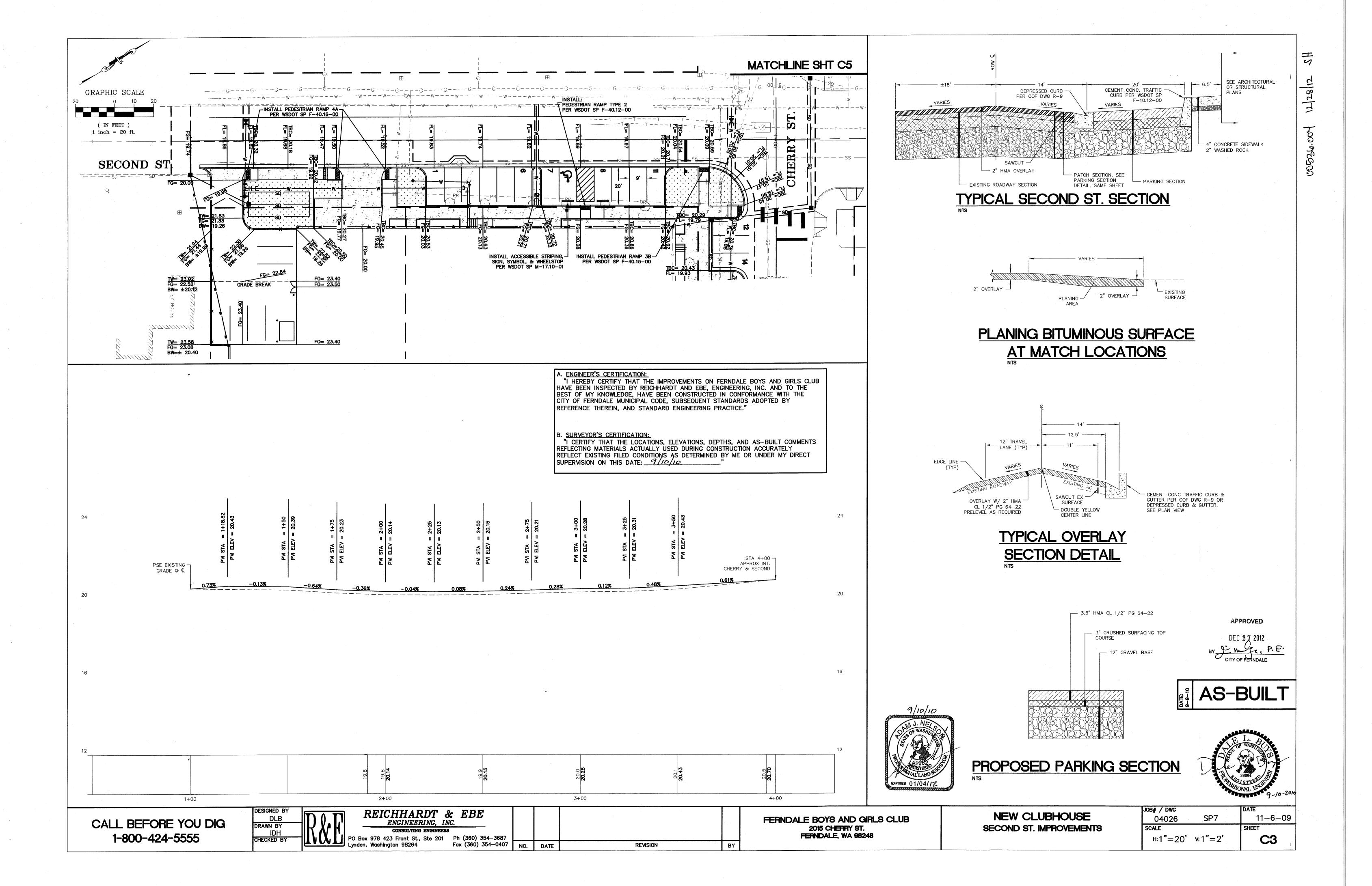
= PROPOSED STORM DRAIN CATCH BASIN TYPE II



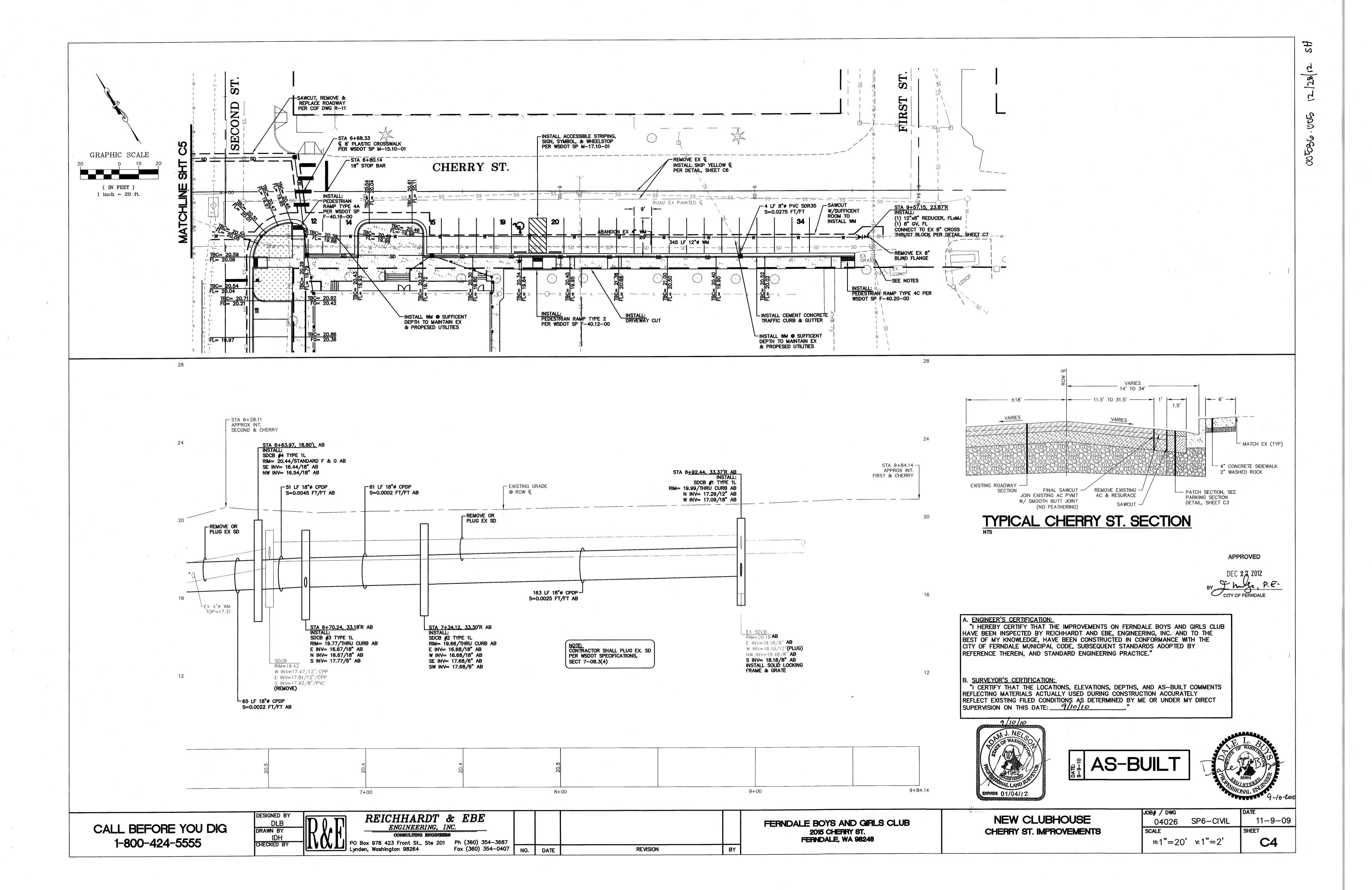
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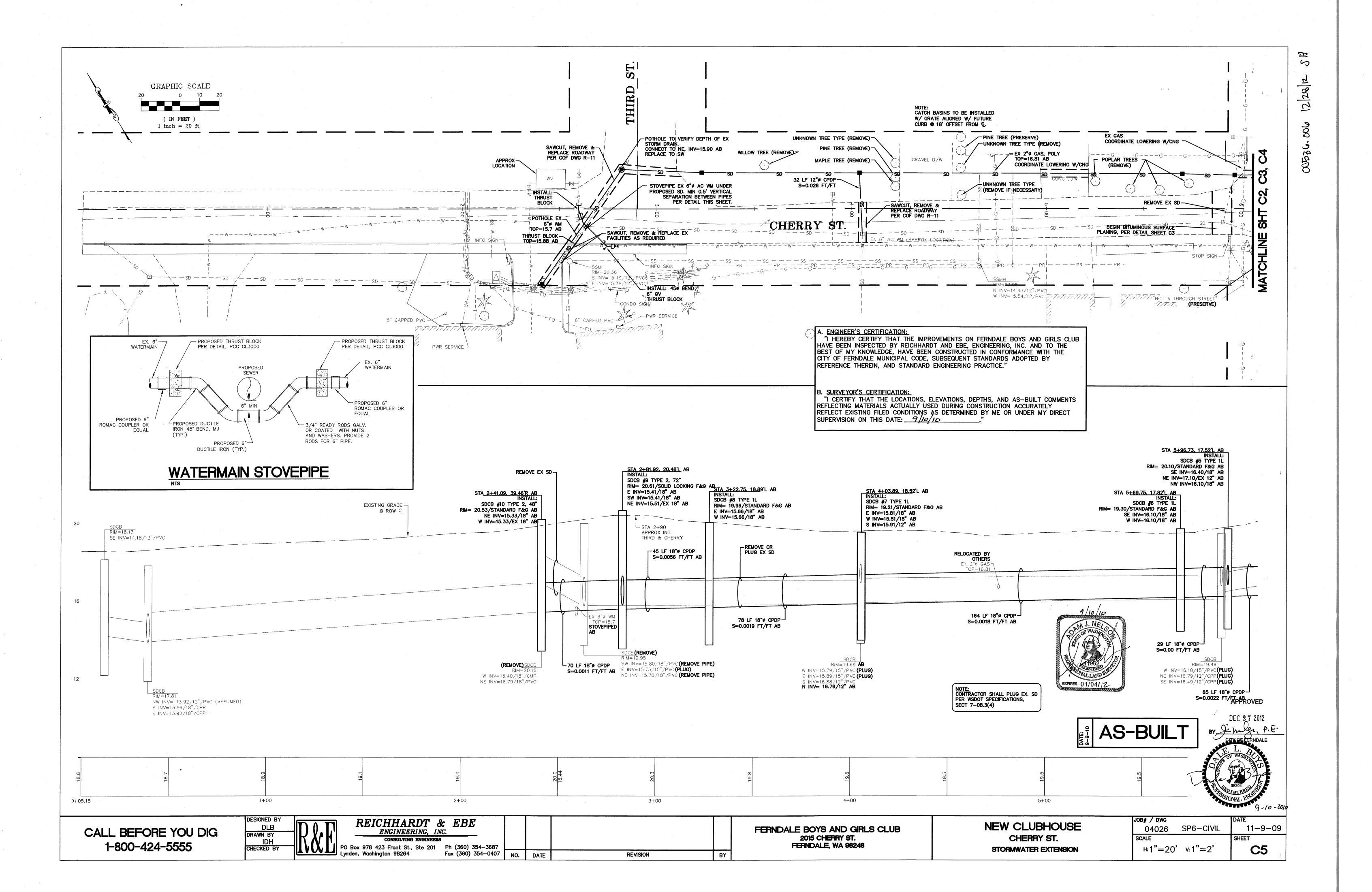
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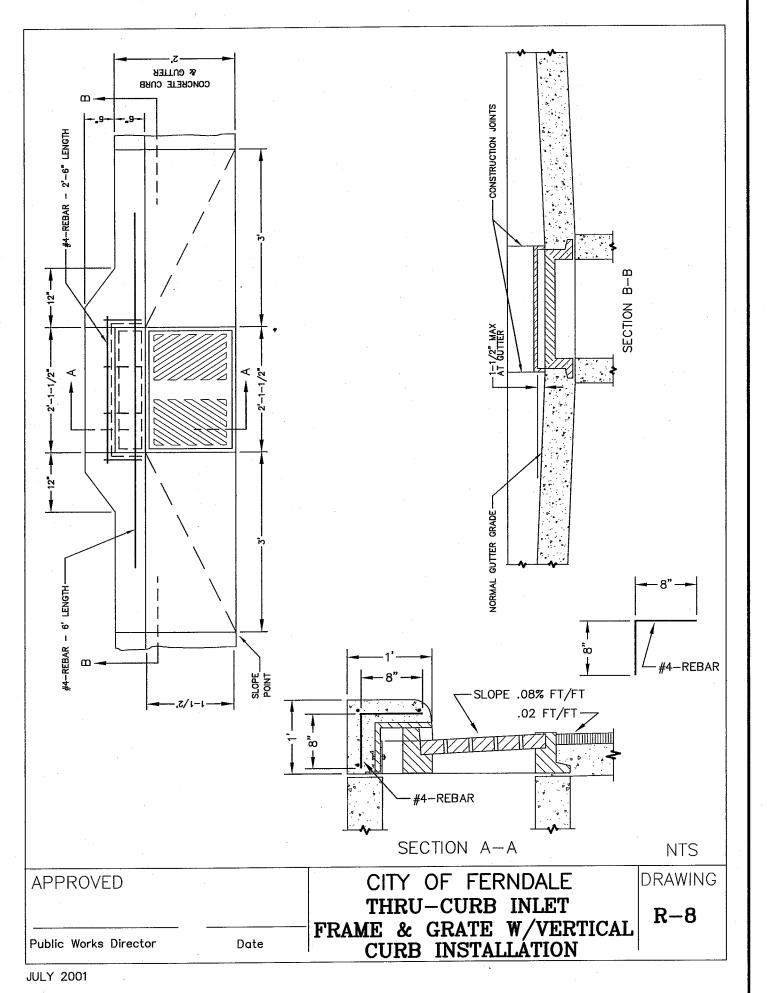
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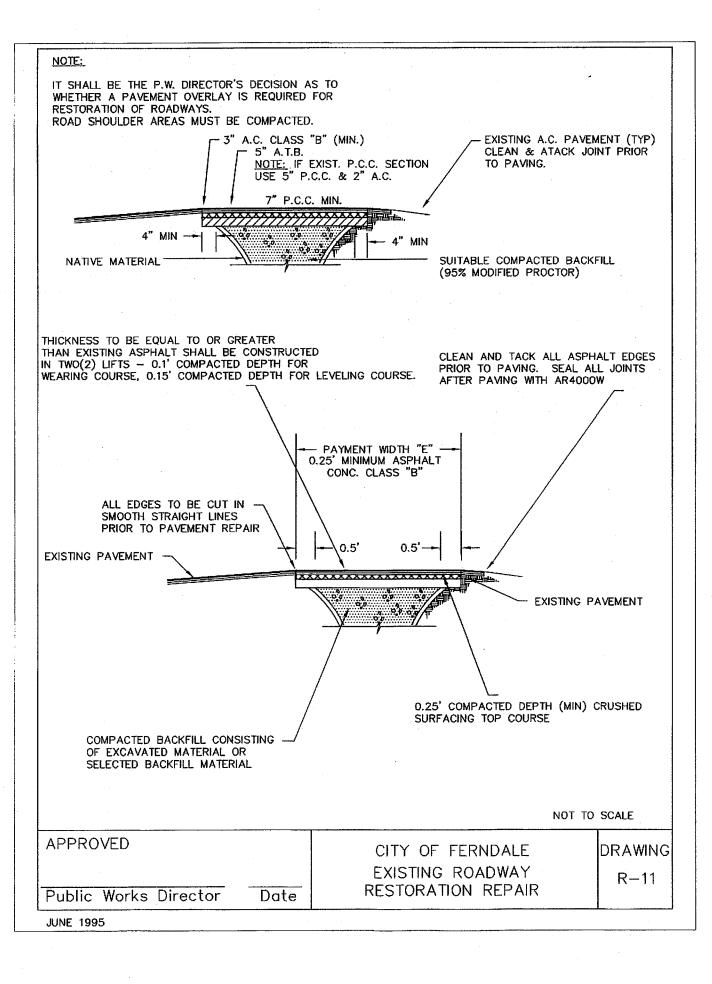


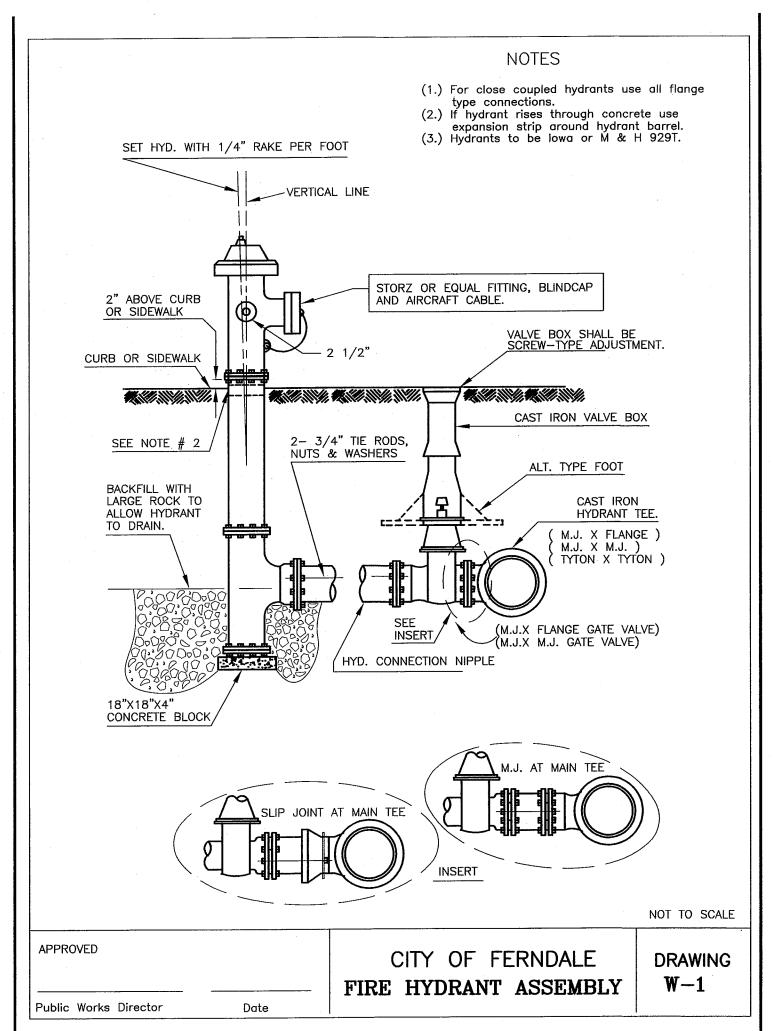
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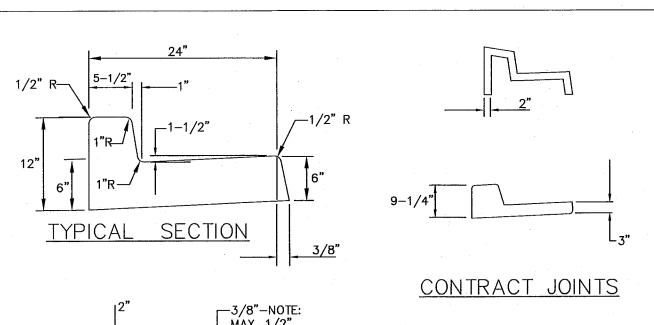


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MAX. 1/2"

CURB RAMP/DRIVEWAY SECTION / DEPRESSED CURB

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 MIN. 3/16" BITUMINOUS FILLER DUMMY JOINTS. JOINTS SHALL BE CLEANED AND EDGED.

2" WEEP HOLES TO BE PLACED ON EACH SIDE OF DRIVEWAY SECTION & A MAX. 60' C/C IN CUT SECTIONS WHERE SIDEWALK DRAIN NOT REQUIRED BY PUBLIC WORKS DIRECTOR.

3/4" EXPANSION JOINTS TO BE PLACED AT DRIVEWAY SECTIONS, CURB RETURNS, CURB RAMPS, & COLD JOINTS OR A MAX. 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 A 10" STRAIGHT EDGE.

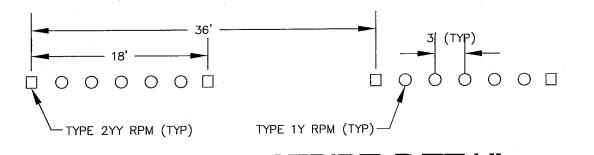
EXPOSED SURFACES SHALL BE BRUSHED WITH A FIBER HAIR BRUSH.

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

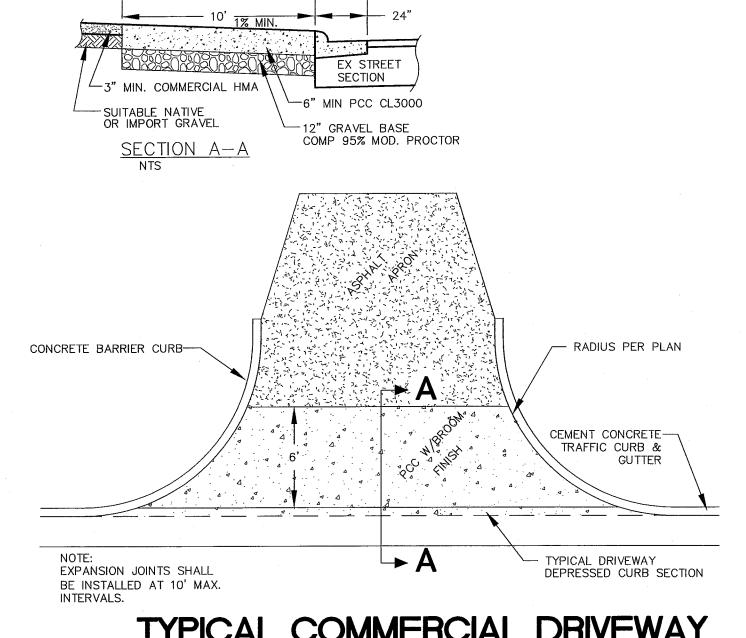
FURTHER REQUIREMENTS SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS.

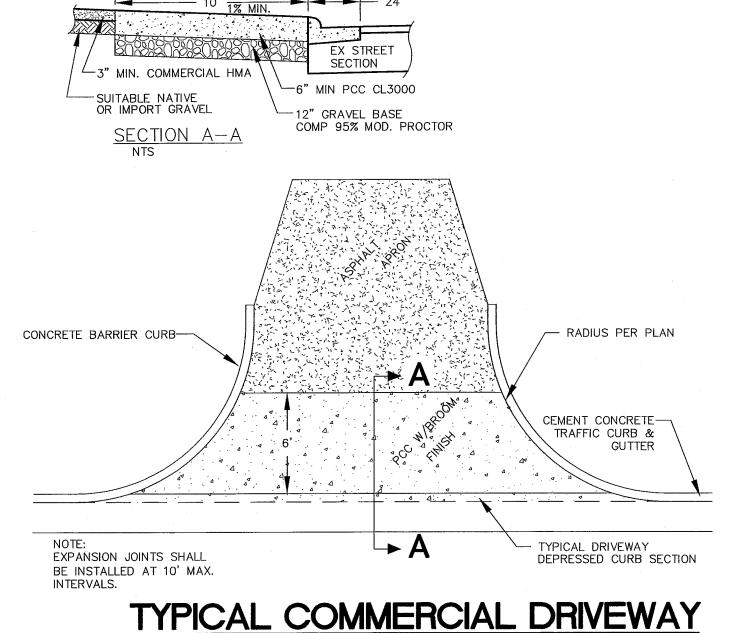
NOT TO SCALE

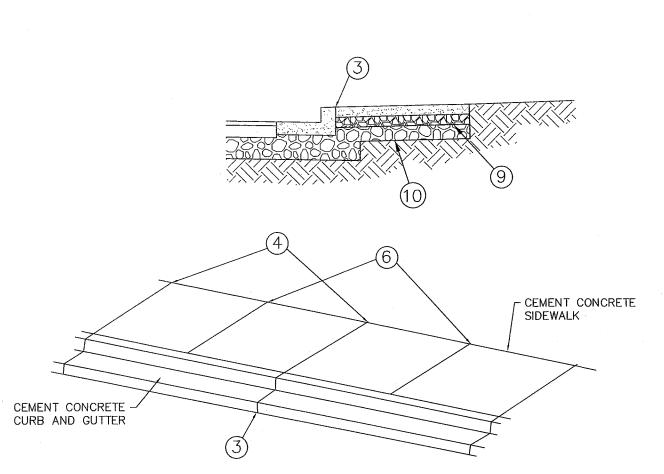
APPROVED DRAWING CITY OF FERNDALE CURB AND GUTTER Public Works Director JULY 2001



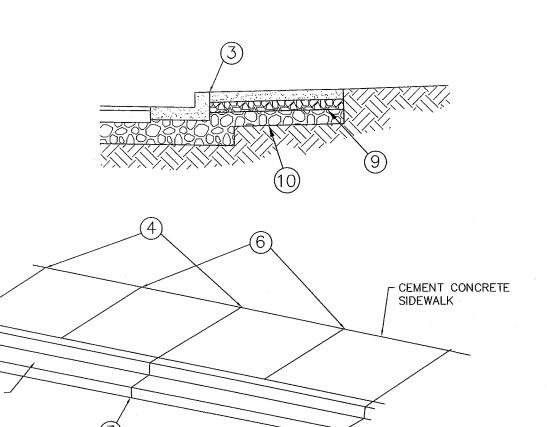
SKIP CENTER STRIPE DETAIL RAISED PAVEMENT MARKER SUBSTITUTION PER CITY OF FERNDALE







SIDEWALK DETAIL



TRANSPORTATION AND THE AMERICAN PUBLIC WORKS ASSOCIATION (WSDOT/APWA) UNLESS MODIFIED BELOW. ALL CONCRETE SHALL BE AIR ENTRAINED CONCRETE CLASS 3000. 2. FORMS SHALL BE TRUE TO LINE AND GRADE AND SECURELY STAKED. STEEL FORMS ONLY SHALL BE USED ON TANGENT SECTIONS. WOOD FORMS MAY BE USED ON CURVED SECTIONS. 3. EXPANSION JOINTS CONSISTING OF 3/8" FULL DEPTH PREMOLDED JOINT MATERIAL SHALL BE PLACED AROUND FIRE HYDRANTS, POLES, METER BOXES, AND OTHER OBSTRUCTIONS AND ALONG WALLS OR STRUCTURES IN PAVED AREAS. EXPANSION JOINTS SHALL ALSO BE PLACED AT THE BEGINNING AND THE

1. CONSTRUCTION OF SIDEWALKS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD,

BRIDGE AND, MUNICIPAL CONSTRUCTION AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF

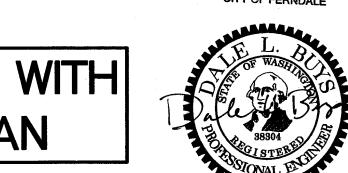
END OF EACH CURVE, ON EACH SIDE OF STRUCTURES, DROP CURVE DRIVEWAYS AND CURVE RAMPS, BETWEEN SIDEWALK AND BACK OF CURB WHEN POURED SEPARATELY, AND AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. FULL EXPANSION JOINS SHALL GENERALLY BE PLACED TO MATCH THOSE PLACED IN ADJACENT CURB WITH A MINIMUM SPACING OF 20 FEET AND A MAXIMUM SPACING OF 80 FEET. 4. CONTRACTION JOINTS (DUMMY JOINTS) CONSISTING OF 3/8" imes2" OF PREMOLDED MATERIAL SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10 FEET. WHEN SIDEWALKS ARE PLACED BY SLIP-FORMING A PREMOLDED STRIP OF 3/8" AND UP TO FULL DEPTH MAY BE USED. CONTRACTION JOINTS IN SIDEWALKS SHALL BE LOCATED SO AS TO MATCH THE JOINTS IN THE CURB WHETHER THE SIDEWALK IS ADJACENT TO

THE CURB OR SEPARATED BY A PLANTING STRIP. JOINT SEALANTS FOR SAWED CONSTRUCTION JOINTS SHALL MEET THE REQUIREMENTS OF SECTION 9-04.2 OF THE DOT/APWA SPECIFICATIONS. ALL JOINTS SHALL BE CLEANED AND EDGED WITH 1/4" RADIUS. 6. SCORE MARKS, 1/4" DEEP, ARE TO BE PLACED ON 5 FOOT CENTERS, AND ARE TO CORRESPOND TO THE

MARKS IN EXISTING SIDEWALKS. WHEN SIDEWALK EXCEEDS 6 FEET, A LONGITUDINAL SCORE AT THE CENTER OF THE SIDEWALK SHALL BE PROVIDED. ADDITIONAL WIDTH TO MAINTAIN A MINIMUM OF 5 FEET OF CLEAR SIDEWALK SHALL BE PROVIDED WHEN OBSTRUCTIONS SUCH AS UTILITIES EXIST.

FINISH SHALL BE A LIGHT BROOM FINISH. 9. 2" MINIMUM OF WASHED ROCK GRADED BETWEEN 1/4" AND 1-1/2", OR GRAVEL BORROW (9-03.14) AS REQUIRED BY THE ENGINEER.

10. 6" GRAVEL BASE COMPACTED TO 95% OPTIMUM DENSITY.



10/10	
NELSO	
W. S. L.	CLID
	SUB
62	DEC
AND SURVE	
04/17	

BMITTED WITH SIGN PLAN

CALL BEFORE YOU DIG 1-800-424-5555

CHECKED BY

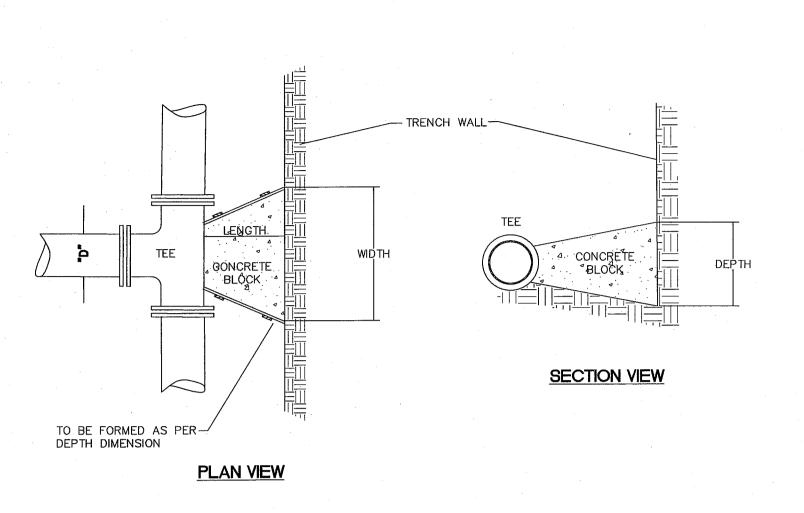
REICHHARDT & EBE ENGINEERING, INC. PO Box 978 423 Front St., Ste 201 Ph (360) 354-3687 Lynden, Washington 98264 Fax (360) 354-0407 Fax (360) 354-0407 NO.

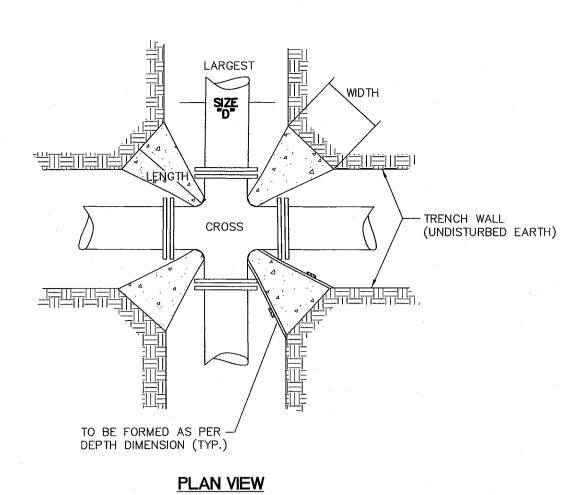
REVISION BY

FERNDALE BOYS AND GIRLS CLUB 2015 CHERRY ST. FERNDALE, WA 98248

NEW CLUBHOUSE DETAIL SHEET

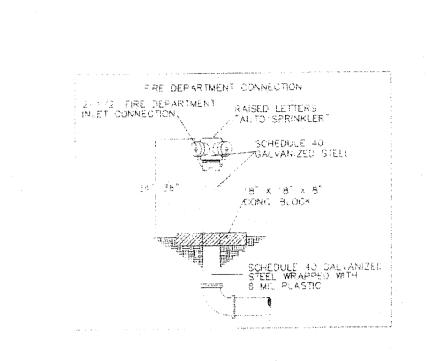
 JOB# / DWG		DATE
04026	SP6-CIVIL	11-6-09
SCALE		SHEET
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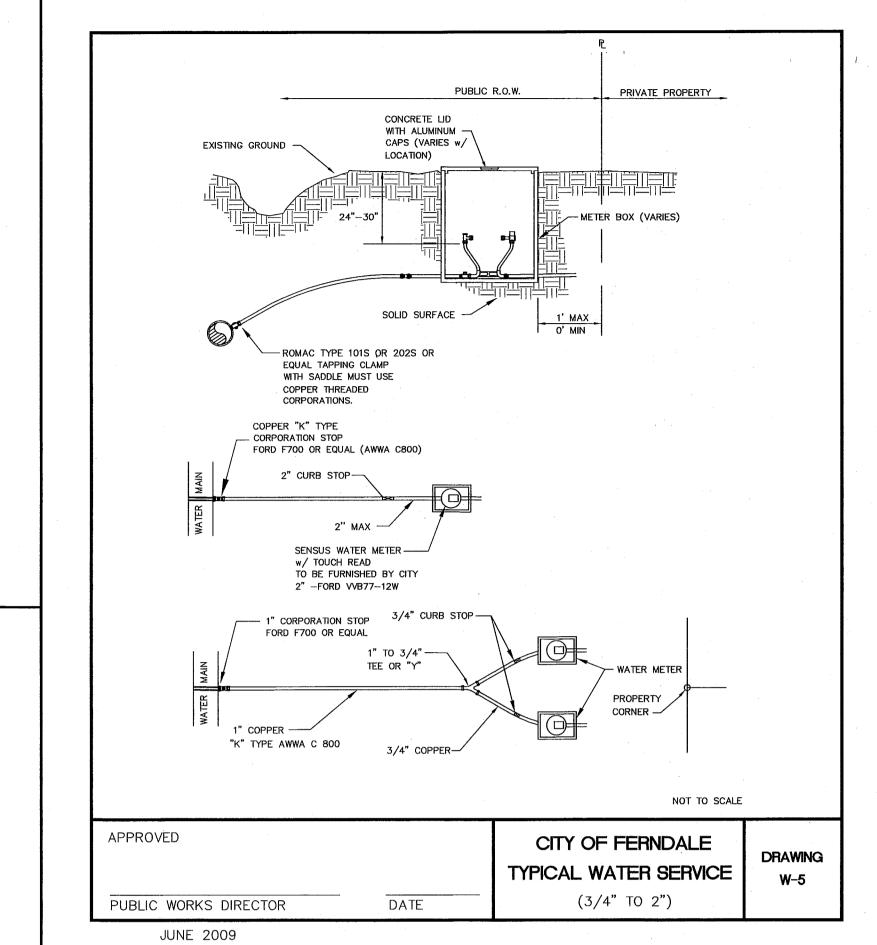


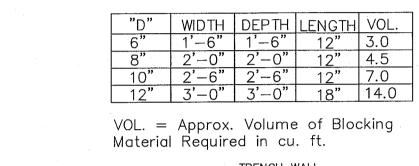
1'-6" 1'-6" 12" 1.63 6.50 cu ft 1'-9" 1'-9" 18" 3.05 12.19 cu ft

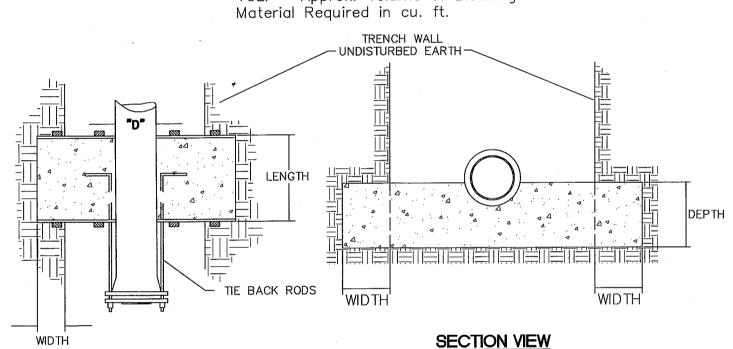
VOL. = Approx. Volume of Blocking Material Required in cu. ft.

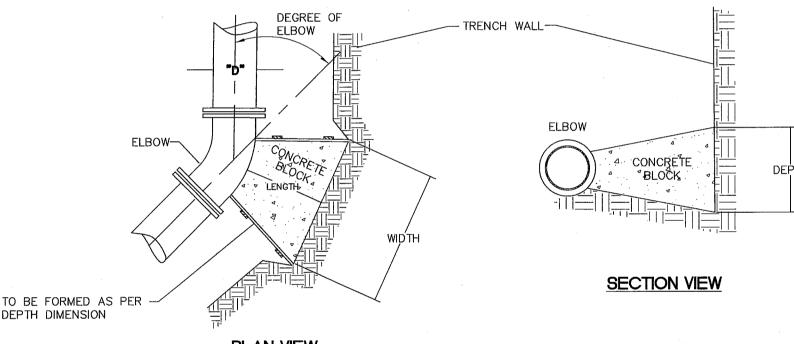


FIRE DEPT. CONNECTION









		E	LBOW		CONCRE BLOCK LENGTH		WIDTH				4 C(DNCRETE BLOCK		DEPTH	
SECTION VIEW SEPTH DIMENSION															
				<u>PLA</u>	N VIEV	<u>V</u>									
	"p"	L ENOT:	11	1/4°		22	1/2°		45	5°		9	0°		
	"D"	LENGTH	WIDTH	DEPTH	VOL.	WIDTH	DEPTH	VOL.	WIDTH	DEPTH	VOL.	WIDTH	DEPTH	VOL.	

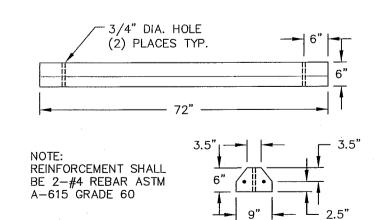
"D"	WIDTH	DEPTH	LENGTH	*VOL.	# OF RODS	ROD DIA.	ĺ
6"	1'-6"	1'-6"	12"	7.5	2	1/2"	
8"	2'-0"	2'-0"	18"	20.0	2	5/8"	ĺ
10"	2'-6"	2'-6"	24"	37.5	2	3/4"	
12"	2'-9"	2'-9"	24"	44.0	4	3/4"	
*\/OI =	= Approx	. Volum	ne of Blo	ockina N	Material Regu	ired in cu.	ft.

RODS: A36 STEEL MINIMUM

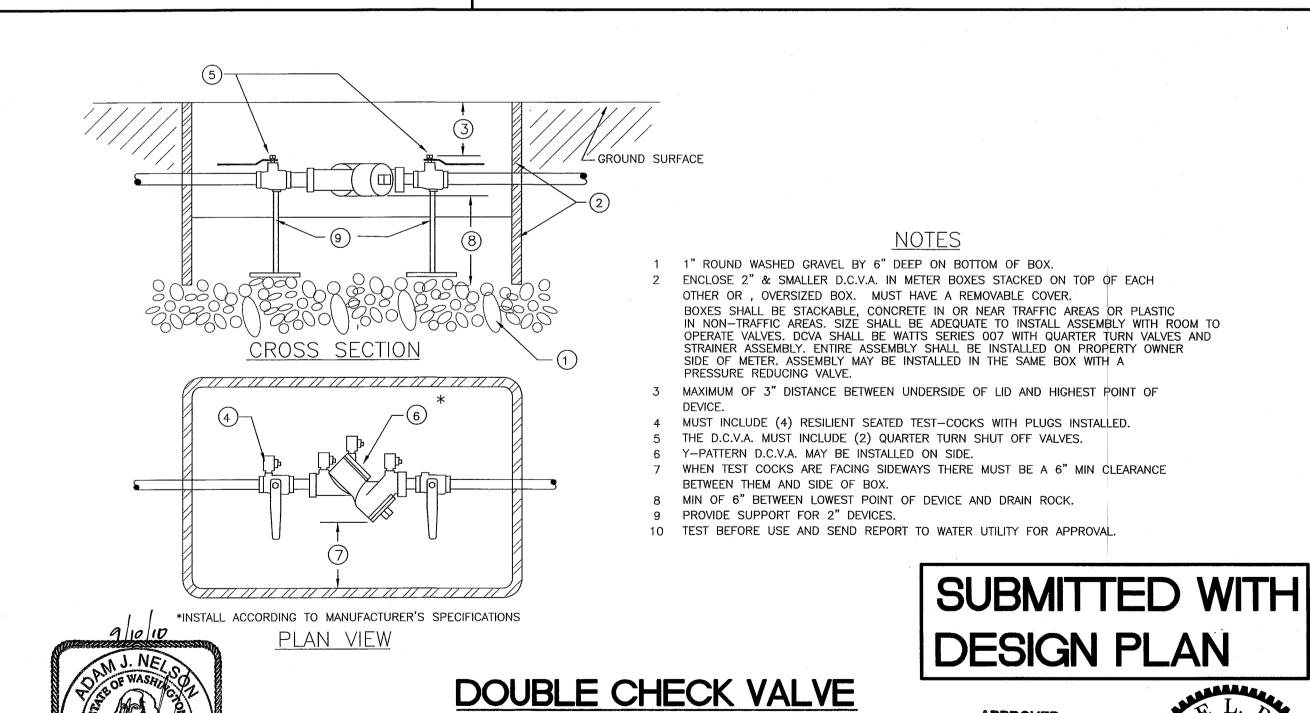
VOL. = Approx. Volume of Blocking Material Required in cu. ft.

TYPICAL THRUST BLOCKING DETAILS

SOIL BEARING CAPACITY 1500 PSF MINIMUM 100 P.S.I. OPERATING PRESSURE



WHEEL STOP



ASSEMBLY DETAIL 3/4" TO 2"

CALL BEFORE YOU DIG 1-800-424-5555

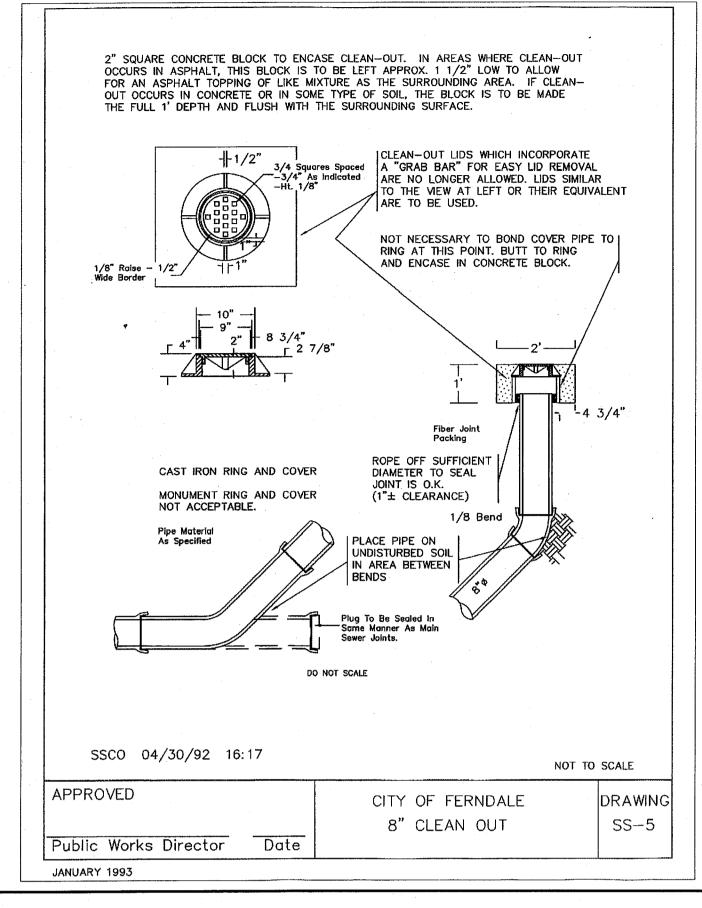
DESIGNED BY DLB DRAWN BY IDH	R&F.	REICHHARDT & ENGINEERING, IN CONSULTING ENGINEERS Box 978 423 Front St., Ste 201	<i>C</i> .					
CHECKED BY			Fax (360) 354-0407	NO.	DATE	REVISION	BY	L

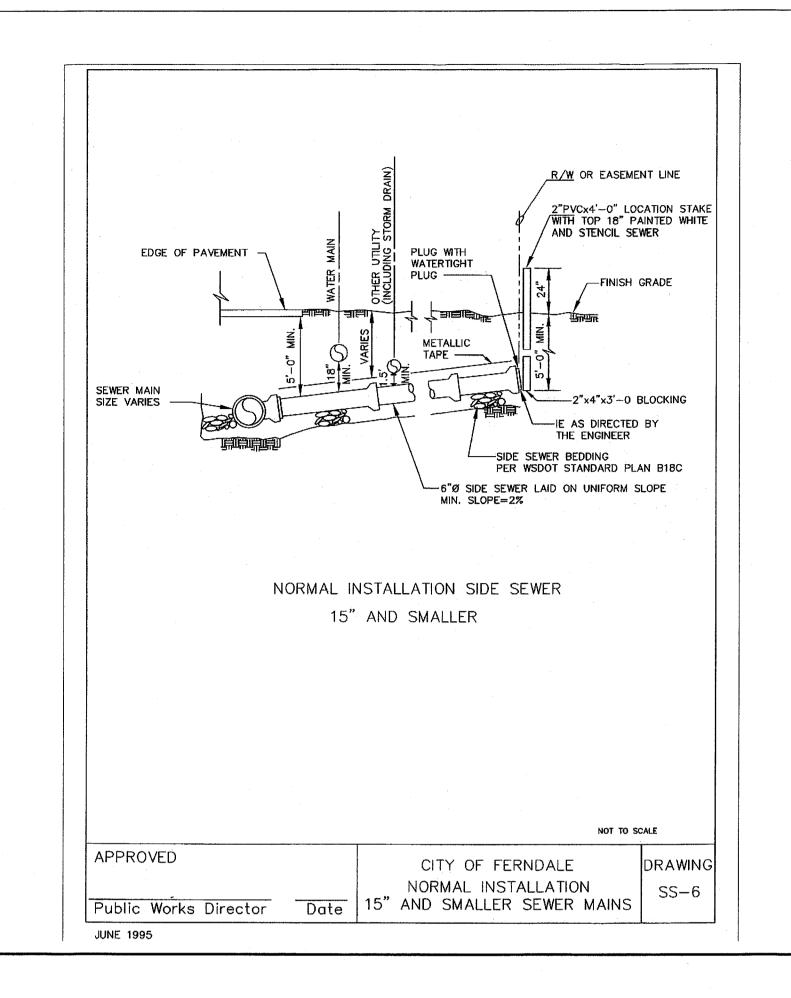
FERNDALE BOYS AND GIRLS CLUB 2015 CHERRY ST. FERNDALE, WA 98248

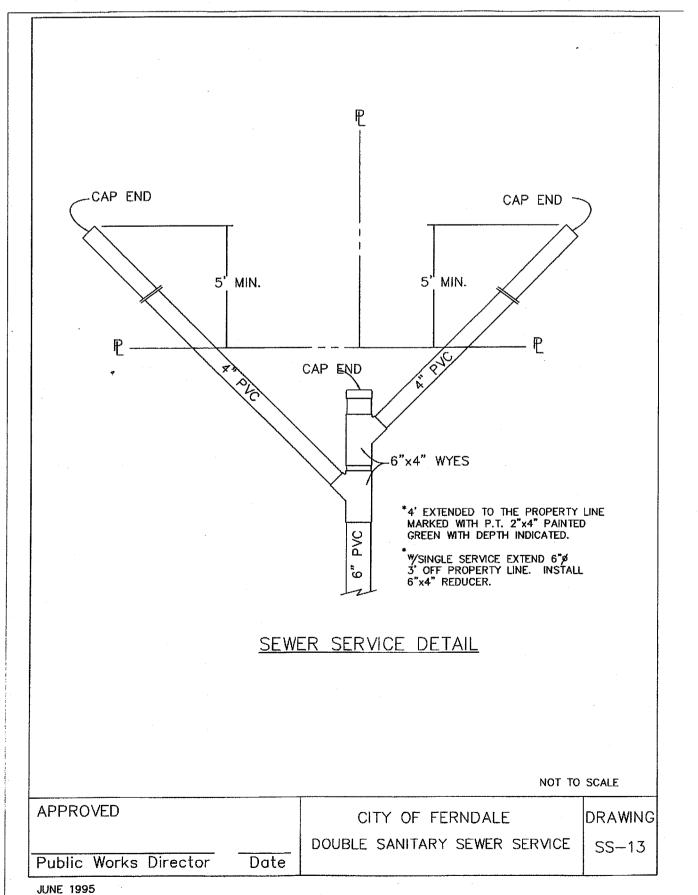
NEW CLUBHOUSE DETAIL SHEET

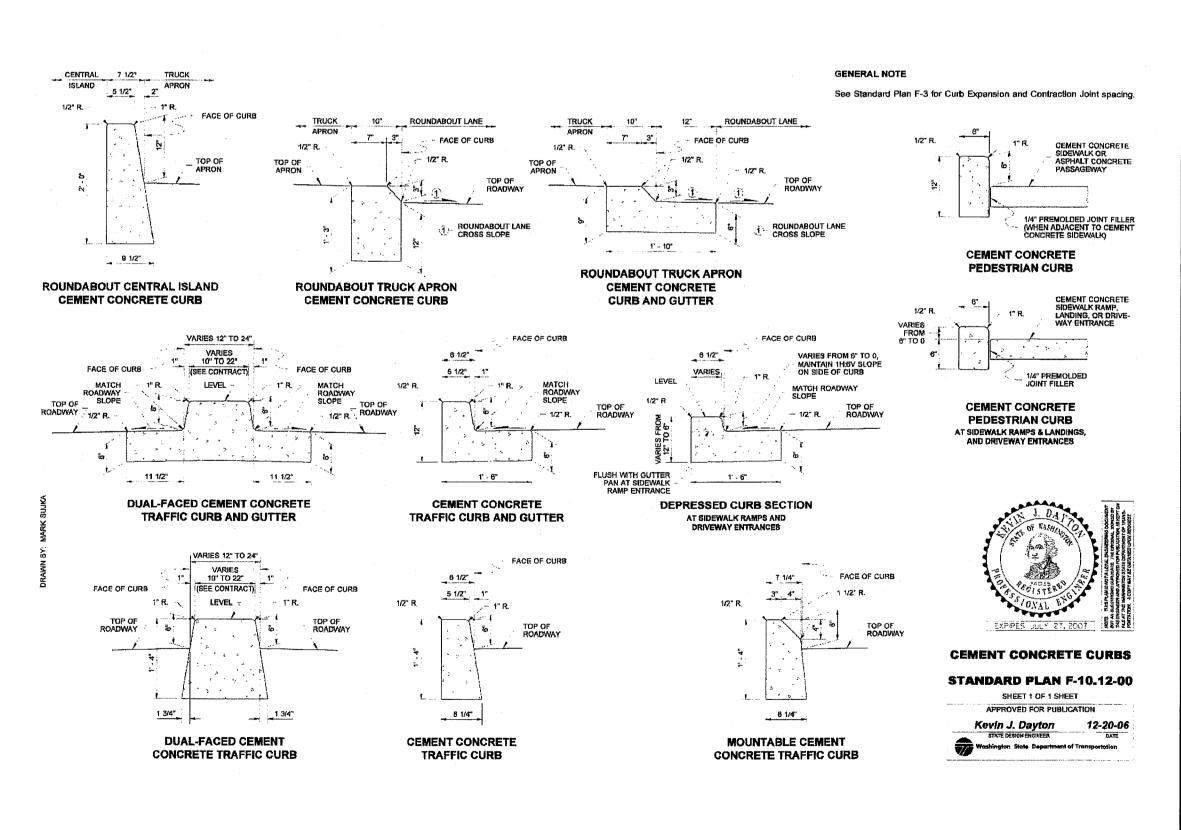
04026 SP6-CIVIL 11-6-09 SCALE **C7** H:n∕a v:n/a

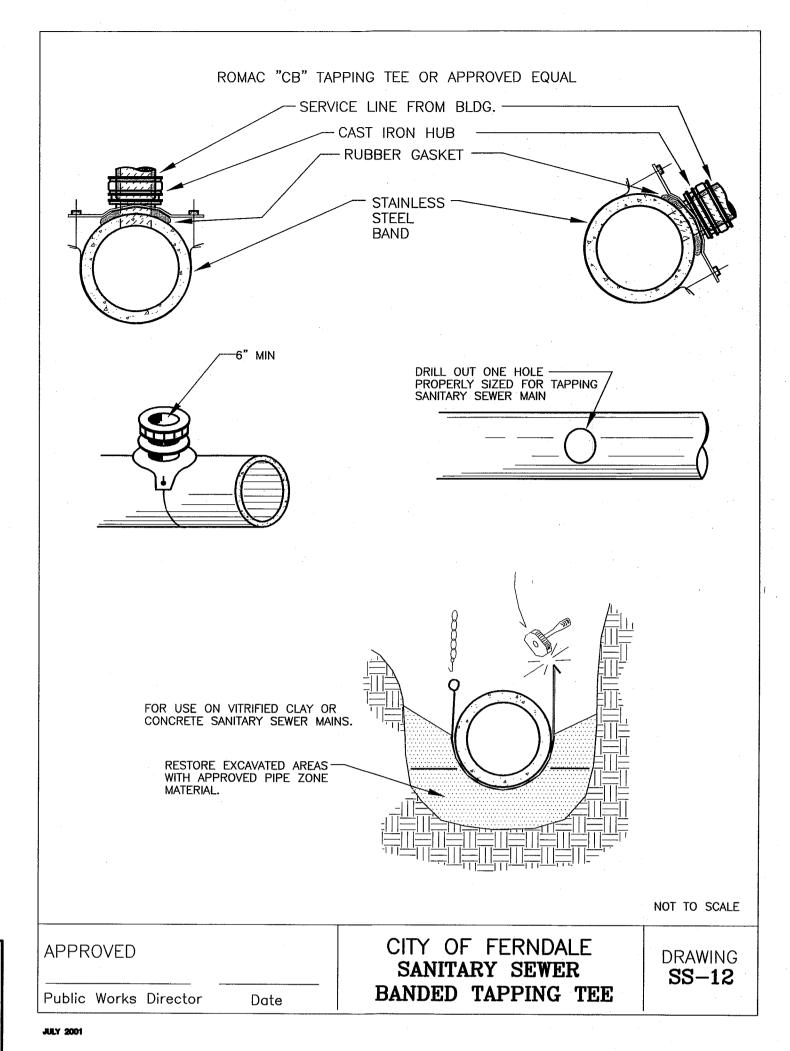


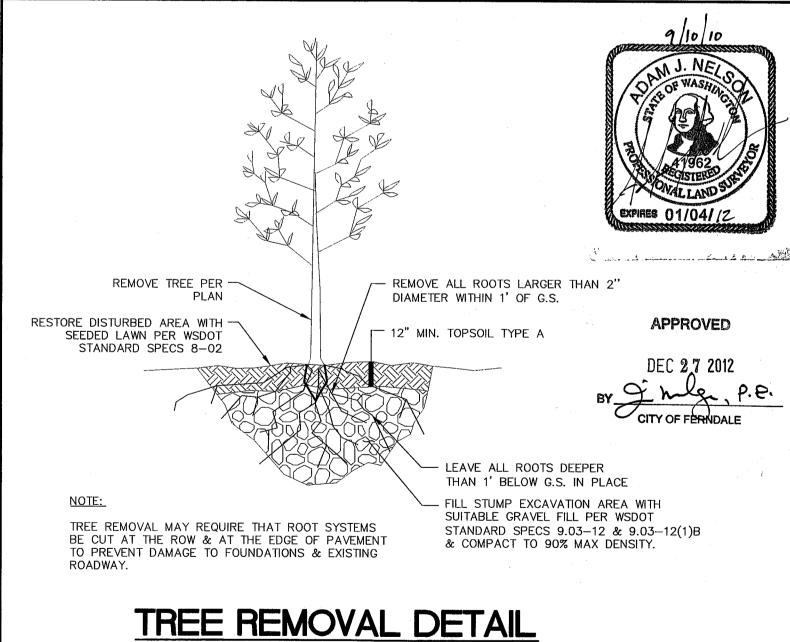




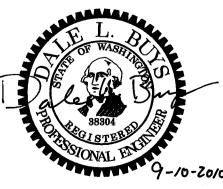








SUBMITTED WITH DESIGN PLAN



CALL	BEFORE	YOU	DIG
1-8	300-424-	5555	

DESIGNED BY

DLB

DRAWN BY

IDH

CHECKED BY

REICHHARDT & EBE

ENGINEERING, INC.

CONSULTING ENGINEERS

PO Box 978 423 Front St., Ste 201 Ph (360) 354-3687

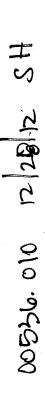
Lynden, Washington 98264 Fax (360) 354-0407

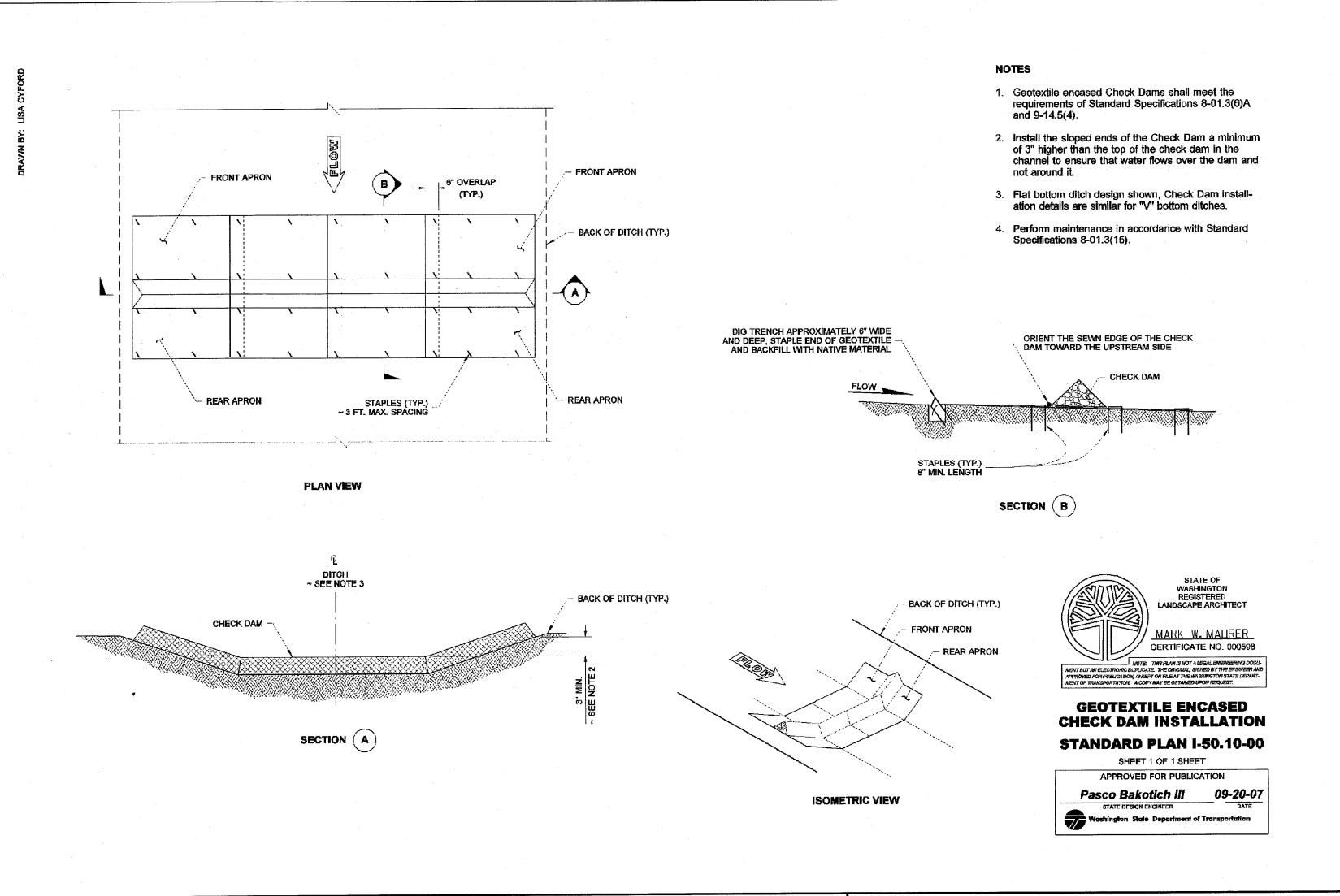
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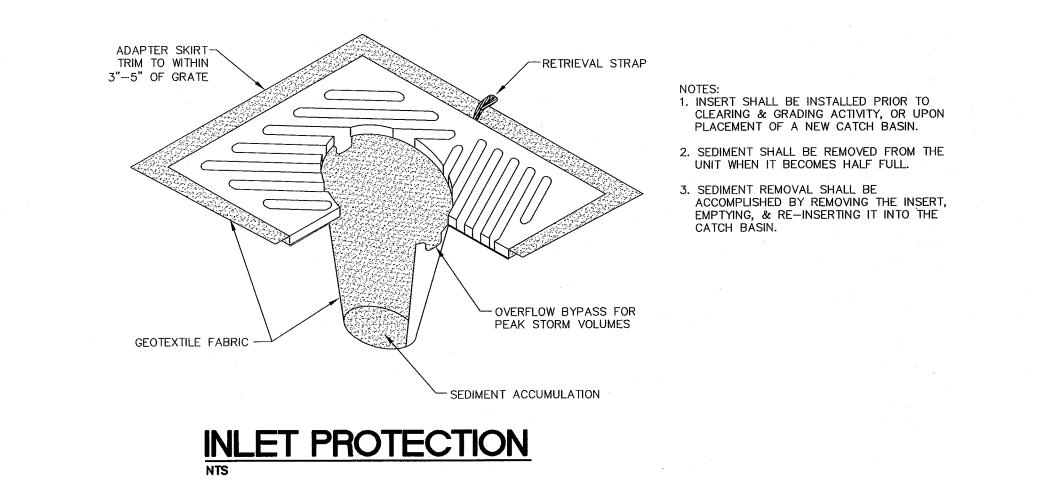
DATE REVISION BY

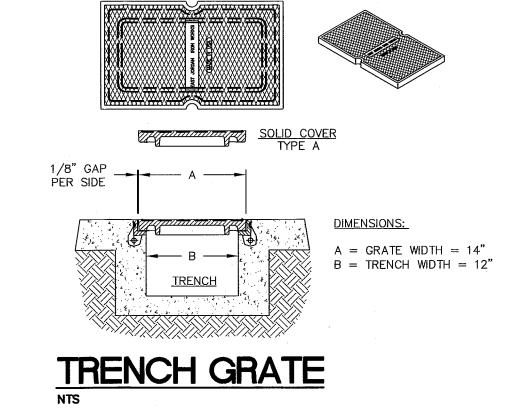
FERNDALE BOYS AND GIRLS CLUB 2015 CHERRY ST. FERNDALE, WA 98248 NEW CLUBHOUSE DETAIL SHEET

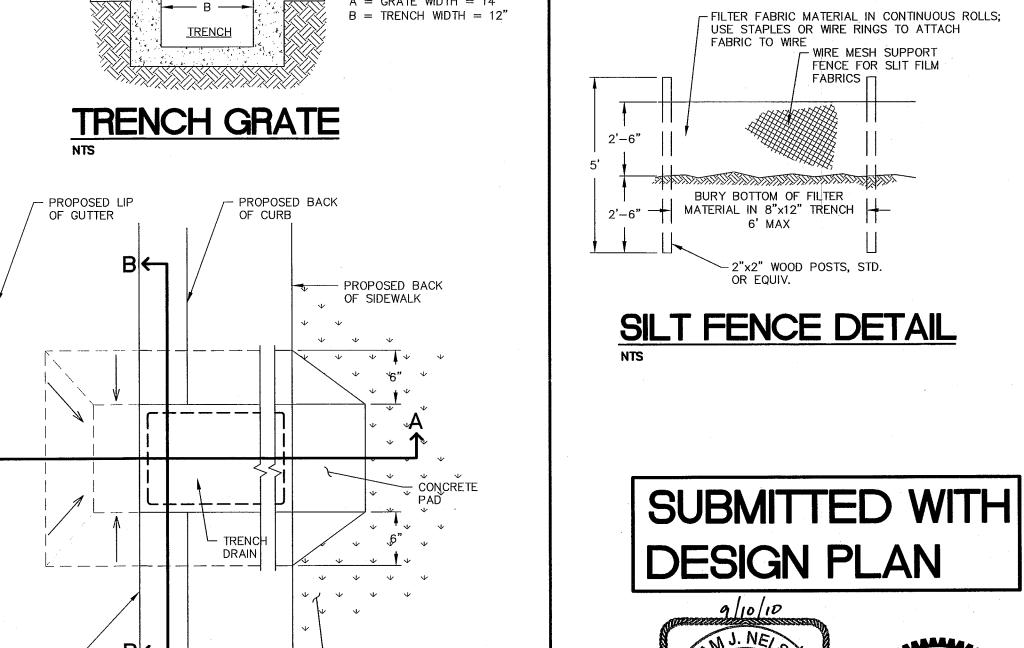
JOB# / DWG		DATE
04026	SP6-CIVIL	11-6-09
SCALE		SHEET
H:n∕a	v:n/a	C8

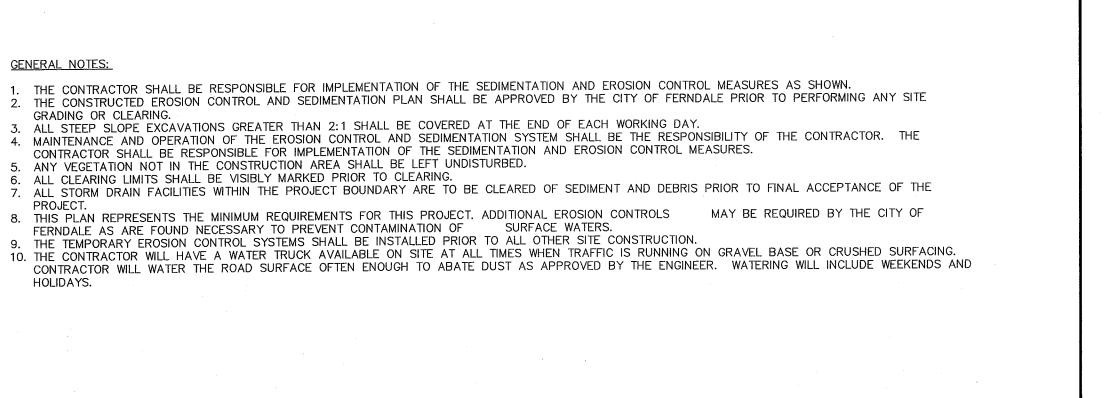


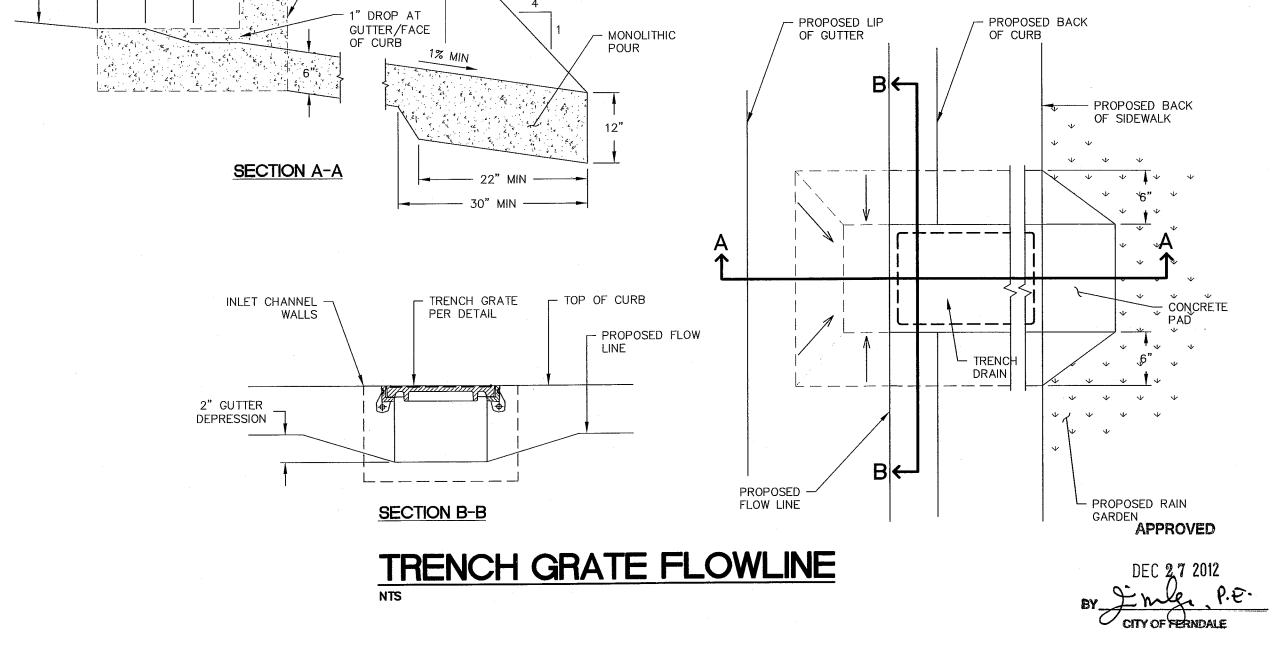












SIDEWALK

TYPICAL GUTTER ELEVATION

WIRE MESH SUPPORT FENCE -FOR SLIT FILM FABRICS

PROVIDE WASHED GRAVEL-

NATIVE SOIL AS DIRECTED BY LOCAL GOVERNMENT

MATERIAL IN 8"x12" TRENCH 2"x2" WOOD POSTS, STD. OR-

FILTER FABRIC -MATERIAL

BACKFILL OR COMPACTED

BURY BOTTOM OF FILTER

BETTER EQUIV.



CALL BEFORE YOU DIG 1-800-424-5555

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES AS SHOWN.

CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES.

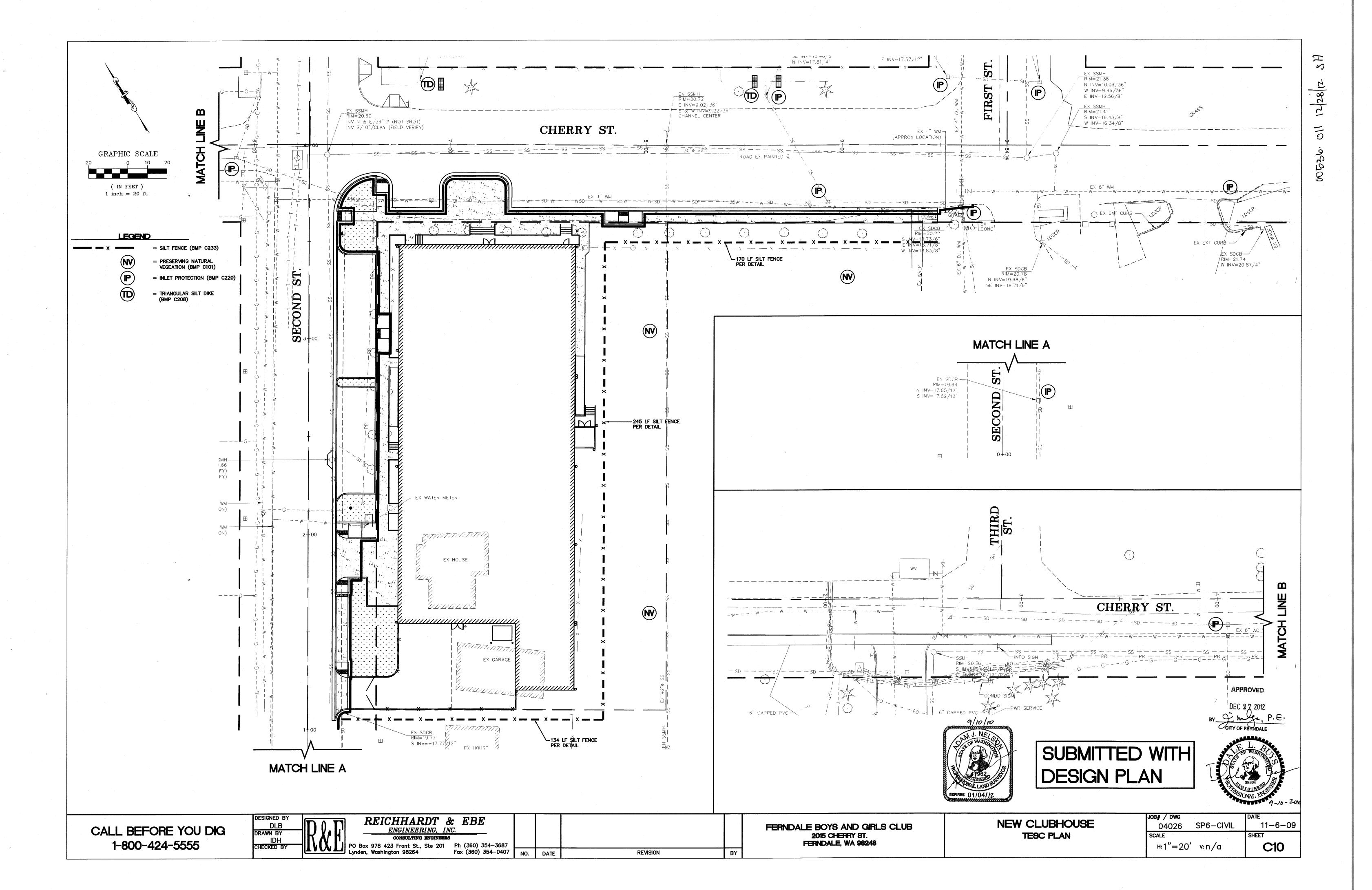
5. ANY VEGETATION NOT IN THE CONSTRUCTION AREA SHALL BE LEFT UNDISTURBED.

REICHHARDT & EBE ENGINEERING, INC. DRAWN BY IDH O Box 978 423 Front St., Ste 201 Ph (360) 354-3687 CHECKED BY Fax (360) 354-0407 BY REVISION

FERNDALE BOYS AND GIRLS CLUB 2015 CHERRY ST. FERNDALE, WA 98248

NEW CLUBHOUSE DETAIL SHEET

 JOB# / DWG		DATE
04026	SP6-CIVIL	11-6-09
SCALE	· · · · · · · · · · · · · · · · · · ·	SHEET
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- 1. ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND TO THE REQUIREMENTS OF THE CURRENT EDITION OF THE "STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION" (WSDOT SPECS.), THE CITY OF FERNDALE DEVELOPMENT STANDARDS (COFDS) AND THE 2005 VERSION OF THE DEPARTMENT OF ECOLOGY STORM WATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON (DOE MANUAL). IN CASE OF A CONFLICT BETWEEN PLANS, REGULATORY STANDARDS OR SPECIFICATIONS, THE MORE STRINGENT
- 2. 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. THROUGHOUT THE PERIOD OF CONSTRUCTION, CONTRACTOR SHALL COMPLY WITH THE TERMS OF ALL PERMITS.
- 3. THE CONTRACTOR MUST HAVE A FULL SET OF CITY CONTRACT DOCUMENTS ON THE SITE WHENEVER CONSTRUCTION IS IN PROGRESS. 4. CONSTRUCTION NOISE SHALL BE LIMITED TO BETWEEN 7 a.m. TO 8 p.m., MONDAY THROUGH SATURDAY.
- 5. THE CONTRACTOR SHALL CONTACT THE UTILITIES UNDERGROUND LOCATION CENTER AT LEAST 72 HOURS PRIOR TO STARTING CONSTRUCTION. PHONE: 1-800-424-5555. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL OF THE VARIOUS UTILITY COMPANIES TO ARRANGE FOR FIELD LOCATIONS OF ALL EXISTING UTILITY FACILITIES. 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.
- 6. 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. 7. 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 IN CONFORMANCE WITH THE EROSION & SEDIMENTATION CONTROL PLAN AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP SHALL BE ONSITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

8. SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL ABOVE GROUND AND BURIED DEBRIS AND WASTE THAT MAY BE PRESENT.

- 9. THE CONTRACTOR SHALL OBTAIN REVOCABLE ENCROACHMENT PERMITS FROM THE CITY OF FERNDALE AND/OR WHATCOM COUNTY PRIOR TO COMMENCING WORK WITHIN THE PUBLIC RIGHT-OF-WAY. 10. THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING WITH REPRESENTATIVES OF THE CITY OF FERNDALE PUBLIC WORKS DEPARTMENT AND THE PROJECT ENGINEER A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. THE CITY WILL SCHEDULE THE MEETING. 11. ALL WORK AND MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE CITY OF FERNDALE PUBLIC WORKS DEPARTMENT, REPRESENTATIVES FROM THE CITY
- OF FERNDALE PUBLIC WORKS DEPARTMENT MUST INSPECT ALL WORK IDENTIFIED ON THE PLANS, BOTH PUBLIC AND PRIVATE. THE CONTRACTOR SHALL CALL AT LEAST 24 HOURS IN ADVANCE TO SCHEDULE INSPECTIONS AS FOLLOW: A. PLACEMENT OF TEMPORARY EROSION CONTROL MEASURES. B. CONSTRICTION OF STORMWATER MANAGEMENT FACILITIES.
- C. PLACEMENT OF WATER MAIN AND BACKFILLING OF WATER MAIN TRENCH WITHIN ROAD RIGHTS OF WAY OR IN WATERLINE EASEMENT TO BE DEDICATED TO THE CITY OF FERNDALE. D. PLACING OR BACKFILLING OF UNDERGROUND UTILITIES, STORM SEWER AND SANITARY SEWER WITHIN ROAD RIGHTS-OF-WAY, IN EASEMENTS TO BE DEDICATED TO THE CITY OF FERNDALE, OR OTHER PUBLICLY SHARED FACILITIES.
- E. GRADING OF PUBLIC OR PRIVATE ROADWAY AT: COMPLETION OF EXCAVATION TO SUBGRADE
- COMPLETION OF BALLAST COURSE PLACEMENT COMPLETION OF CRUSHED SURFACING COURSE PLACEMENT
- F. POURING OF CURB AND GUTTER AND SIDEWALK IN PUBLIC ROADWAY. G. ASPHALT PAVING IN PROGRESS IN PUBLIC ROADWAY
- H. OVERALL INSPECTION FOR FINISHED SHOULDERS, DITCHES, PERMANENT SEEDING AND MONUMENT PLACEMENT. FND OF MAINTENANCE PERIOD
- 12. 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 CONTRACTOR. 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. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO
- PERFORMING THE WORK. ALL SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS 1-07.23- TRAFFIC CONTROL. SHALL APPLY. 13. THE CONTRACTOR SHALL INFORM THE ENGINEER AND OBTAIN APPROVAL FROM THE CITY OF FERNDALE PUBLIC WORKS DIRECTOR OF ANY PROPOSED DEVIATION 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 FERNDALE PUBLIC WORKS DEPARTMENT.
- 14. AS-BUILT DATA SHALL BE PROVIDED TO THE CITY OF FERNDALE UPON COMPLETION OF CONSTRUCTION AND PROVIDED IN CITY OF FERNDALE DATUM -VERTICAL (NAVD-88) AND HORIZONTAL (NAD 27). CONTACT THE CITY FOR MORE INFORMATION ON SUBMITTAL REQUIREMENTS.

- 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, WATER SERVICE TAPS, BLOWOFF 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 THE PROJECT ENGINEER AT LEAST 48—HOURS BÉFORE BURYING UNDERGROUND PIPE TO ASSURE AND FACILITATE REQUIRED AS-BUILT SURVEY.
- 2. 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 3. UTILITY CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF FERNDALE DEVELOPMENT STANDARDS. 4. ALL UTILITY TRENCHES IN THE RIGHT OF WAY SHALL BE BACKFILLED WITH ?-INCH MINUS OR 5/8-INCH MINUS WELL GRADED CRUSHED ROCK. 5. TESTING OF NEW WATER LINES, STORM SEWER SYSTEMS SHALL NOT BE PERFORMED UNTIL ALL OTHER ADJACENT UTILITIES HAVE BEEN INSTALLED.
- 6. ALL UTILITY TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 95% DENSITY IN LIFTS NOT TO EXCEED 24 INCHES WITH A "HOE PACK, OR 8 INCHES WITH HAND-OPERATED COMPACTION." 7. OPEN CUTTING OF EXISTING ROADWAYS IS ONLY ALLOWED AS APPROVED AND NOTED ON THESE APPROVED PLANS. ANY OPEN CUT SHALL BE RESTORED IN ACCORDANCE WITH THE FERNDALE STANDARD TRENCH DETAIL(S). ALL UTILITY TRENCHES UNDERNEATH AN EXISTING ROADWAY SHALL BE BACKFILLED
- WITH 150 PSI CONTROLLED DENSITY FILL 8. NO PART OF THE DRAINAGE SYSTEM MAY BE COVERED, CONCEALED, OR PUT INTO USE UNTIL IT HAS BEEN INSPECTED, TESTED, AND ACCEPTED BY THE

- THE CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING UN—COMPACTED OR POORLY COMPACTED FILL SOILS WITHIN THE ROAD PRISM AT THE DIRECTION OF THE ENGINEER.
- 2. THE CONTRACTOR SHALL EXCAVATE AND GRADE TO THE ALIGNMENT, GRADE AND CROSS-SECTIONS SHOWN IN THE PLANS OR ESTABLISHED BY THE
- 3. UNSUITABLE MATERIAL FOUND AND 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 4. THE ENGINEER IS REQUIRED TO CERTIFY SUBGRADE, IN WRITING, PRIOR TO PAVING.

- BASE COURSES & CRUSHED SURFACING:

 1. GRAVEL BASES AND BALLAST MATERIAL GRADATION SHALL MEET WSDOT STANDARD SPECIFICATIONS. . BALLAST, GRAVEL BASE AND CRUSHED SURFACING SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY.
- 3. THE GRADED AND COMPACTED SURFACE OF THE CRUSHED SURFACING TOP COURSE SHALL BE WITHIN ½ INCH OF FINISHED GRADE. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL AND COMPACTION TESTING. PRIOR TO IMPORTING OF MATERIAL FOR BASE AND CRUSHED SURFACING TOP COURSE THE CONTRACTOR SHALL PROVIDE EVIDENCE OF SATISFACTORY PASSING GRADING AND DEGRADATION TEST RESULTS TO THE

- **STORM DRAINAGE:**1. THE FOLLOWING STANDARD DETAILS SHALL BE USED FOR CONSTRUCTION OF STORM DRAIN IMPROVEMENTS: CATCH BASINS TYPE 1, 1L OR 2 WSDOT STD. DETAILS B-5.20, B-5.40 OR B-10.20
 - "RESIDENTIAL SERVICE LINE"
- CATCH BASINS 2. STORM SEWER PIPE HAVING DIAMETERS GREATER THAN 8" SHALL BE CORRUGATED POLYETHYLENE PIPE (CPEP), ALL OTHER STORM SEWER PIPE SHALL BE

COFSD ST-7 (CITY OF FERNDALE STD DETAIL)

- 3. ALL CATCH BASIN GRATES SHALL INCLUDE THE STAMPING "OUTFALL TO STREAM, DUMP NO POLLUTANTS'
- 4. CONTROL DENSITY FILL SHALL BE USED IN AREAS WHERE LESS THAN 18" OF COVER IS MAINTAINED OVER THE PROPOSED STORM PIPES (PIPE IS IN ROAD BASE SECTION), AS SHOWN IN THE PLANS. DUCTILE IRON PIPE MAY BE USED FOR STORM PIPES WITH LESS THAN 18" OF COVER IF APPROVED BY THE
- 5. COVER OVER PIPES SHALL BE MAINTAINED DURING CONSTRUCTION. DEPTH OF COVER REQUIRED SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS AND WILL VARY WITH THE VEHICLE LOADS TRAVELING OVER THE PIPE. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR DAMAGE TO PIPE DURING CONSTRUCTION ACTIVITIES.
- 6. AT THE END OF ALL SITE CONSTRUCTION, THE CONTRACTOR SHALL CLEAN ALL DEBRIS FROM CATCH BASINS AND STORMWATER CONVEYANCES. DEBRIS SHALL NOT BE ALLOWED TO ENTER STREAMS OR OFF-SITE STORMWATER SYSTEMS.

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

- COFSD W-11 PIPE BEDDING TRENCH BACKFIL COFSD W-11 COFSD W-1
- FIRE HYDRANT ASSEMBLY THRUST BLOCKING COFSD W-2, W-3 & W-4COFSD W-5
- WATER SERVICE 2. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF FERNDALE DEVELOPMENT STANDARDS, SECTIONS 702 AND 705 AND THE MOST RECENT VERSION OF WSDOT STANDARD SPECIFICATIONS. 3. ALL WATER MAIN PIPE SHALL BE DUCTILE IRON, MINIMUM THICKNESS CLASS 50, PER AWWA STANDARDS H3-71 AND C151-71, WITH CEMENT LINING PER
- AWWA STANDARD C104-71. 4. 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.
- 5. CONCRETE BLOCKING SHALL BE AS SPECIFIED IN CITY OF FERNDALE STANDARD DETAILS W-2, W-3 AND W-4, OR AS DIRECTED BY THE PROJECT ENGINEER. BLOCKS SHALL BE INSTALLED AS SPECIFIED IN SECTION 7-09.3(21) OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE OR MUNICIPAL CONSTRUCTION. NO PRE-CAST BLOCKS ARE ALLOWED.
- 6. CONNECTIONS TO EXISTING WATER MAINS THE CONTRACTOR MUST NOTIFY THE CITY OF FERNDALE PUBLIC WORKS DIRECTOR OF A PROPOSED CONNECTION AT LEAST FOUR WORKING DAYS IN ADVANCE. 7. ALL HYDROSTATIC TESTING AND DISINFECTION OF WATER MAINS SHALL CONFORM TO SECTION 7-09.3(23) AND SECTION 7-09.3(24)OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE OR MUNICIPAL CONSTRUCTION - CURRENT EDITION. HYDROSTATIC TEST PRESSURE FOR WATER MAIN ACCEPTANCE SHALL BE 250 PSI AND SHALL BE DONE ACCORDING TO CITY OF FERNDALE REQUIREMENTS. THE CITY OF
- FERNDALE LABORATORY SHALL CONDUCT ALL DISINFECTION TESTS AND BACTERIOLOGICAL TESTS. THE PIPE WILL NOT PASS TESTING UNLESS A ZERO BACTERIAL COUNT IS MEASURED ON TWO CONSECUTIVE TESTS, CONDUCTED 24 HOURS APART. 8. 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.
- 9. ALL PIPE SHALL HAVE A MINIMUM COVER OF 36". 10. ALL VALVES SHALL BE FITHER 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 10 INCHES IN DIAMETER. SHORT-BODY VALVES SUITABLE FOR A NON-SHOCK 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 NON-RISING 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.
- 11. WATER SERVICE TAP INSTALLATIONS SHALL MEET THE REQUIREMENTS OF THE COFDS W-5. 12. FIRE HYDRANTS AND FIRE MAINS MUST CONFORM TO COFDS- SD W-1 (WSDOT B-19) AND THE FOLLOWING STANDARDS:
- A. 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 AIRCRAFT CABLE SHALL BE SUPPLIED. HYDRANTS SHALL BE EITHER IOWA OR M.H. 929T HYDRANTS. B. 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
- C. 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. D. UNDERGROUND SUPPLIES TO FIRE HYDRANTS MUST BE INSPECTED. SUCH INSPECTION SHALL INCLUDE VISUAL INSPECTION OF PIPING AND HYDROSTATIC PRESSURE TESTING TO A MIN. OF 250 PSI. A FLOW TEST WILL BE REQUIRED WHEN INSTALLATION IS COMPLETE.
- E. 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.

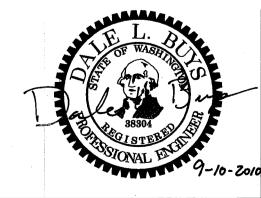
THE FOLLOWING STANDARD DETAILS SHALL BE USED FOR CONSTRUCTION OF THE STANDARD STREET SECTION: TYPICAL STREET SECTION (PER PROJECT)

- PCC CURB AND GUTTER
- COFSD R-12 (SEE CONSTRUCTION DOCUMENTS TYPICAL SECTION) PCC SIDEWALKS PCC CURB RAMPS WSDOT STD. DETAIL F-40.
- 2. ROADWAY EXCAVATION WITHIN THE ROADWAY PRISM SHALL BE CUT TO A UNIFORM GRADE. THE COMPLETED SUBGRADE SURFACE SHALL NOT VARY MORE THAN 0.10-FOOT FROM THE LOWER EDGE OF A 15-FOOT STRAIGHTEDGE PLACED ON THE SUBGRADE PARALLEL TO THE CENTERLINE UNLESS APPROVED BY THE ENGINEER.
- 3. THE OWNER SHALL PROVIDE TO THE ENGINEER A REPORT FROM A QUALIFIED GEOTECHNICAL FIRM CERTIFYING THE COMPACTION OF THE GRAVEL BASE
- 4. ASPHALT CONCRETE PAVEMENT SHALL BE CLASS "B" MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 5-04, EXCEPT AS MODIFIED HEREIN. CONNECTION TO EXISTING PAVEMENT SHALL BE TO A STRAIGHT NEATLY-TRIMMED LINE.
- 5. CRUSHED ROCK SURFACING FOR PAVEMENT SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION, SECTION 9-03.9(3); BALLAST PER SECTION 9-03.9(1).
- 6 CEMENT CONCRETE SHALL BE CLASS 3000 (WITH AIR ENTRAINMENT) IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION, 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 8. CEMENT CONCRETE DRIVEWAYS SHALL BE 6 INCHES THICK AND CONSTRUCTED WHERE SHOWN ON THE PLANS OR DESIGNATED BY THE ENGINEER IN
- ACCORDANCE WITH THE CITY STANDARDS, DRAWING NO. R-15, A 2- INCH LATER OF 3/4 INCH DRAIN ROCK SHALL BE USED FOR DRIVEWAY BEDDING. 9. CEMENT CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED WHERE SHOWN ON THE PLANS OR AS DESIGNED BY THE ENGINEER. IN ACCORDANCE WITH WSDOT STANDARDS SPECIFICATIONS, SECTION 8-04 AND CITY OF FERNDALE STANDARDS, DRAWING R-8 AND R-9. HANDICAP RAMPS SHALL BE CONSTRUCTED PER WSDOT STANDARD PLANS F-40. WHERE NEW CEMENT CONCRETE CURB AND GUTTER IS CONNECT TO EXISTING CURB AND GUTTER. ASSURE THAT NO ABRUPT OFFSETS IN LINE OR GRADE SHALL BE CONSTRUCTED WHICH WILL BE UNSIGHTLY OR IMPEDE FLOW IN THE GUTTER LINE.
- 10. PAVEMENT: A. SOIL RESIDUAL HERBICIDE SHALL BE PLACED WITHIN 24 HOURS OF PAVING. B. A TACK COAT OF ASPHALT SHALL BE APPLIED BETWEEN ALL COURSES OF ASPHALT.
 - C. 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 PROVIDE A SMOOTH TRANSITION FROM EXISTING TO PROPOSED PAVING. CONTRACTOR SHALL COLD PLANE PER DIMENSIONS SPECIFIED ON THE PLANS, AND INSTALL A MINIMUM 2-FOOT WIDE PETROTAC PAVING FABRIC, OR EQUIVALENT. OVER JOINT BETWEEN PAVING LIFTS.
- 11. THRU-CURB BASINS AND THRU-CURB INLETS CONFORMING TO THE WSDOT STANDARD SPECIFICATIONS, SECTION 7-05 SHALL BE CONSTRUCTED AT THE LOW POINT OF THE CURB FLOW LINES AND TO THE LOCATIONS, DIMENSIONS, AND DETAILS AS SHOWN ON THE PLANS OR DESIGNATED BY THE ENGINEER AND CITY STANDARDS, DRAWING NO. R-8.
- 12. TRENCH EXCAVATIONS, BEDDING AND PIPE FOR STORMWATER PIPE LAYING SHALL BE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS. SECTION 7-08.
- 13. STORM SEWER PIPE CONSTRUCTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION, SECTION 7-04. MATERIAL SHALL BE HANCOR SURE-LOK F477 PIPE OR CITY APPROVED EQUAL. LOTS' STORM DRAIN SERVICE LINE SHALL BE 6" PVC PER WSDOT STANDARD SPECIFICATION,
- 14. PERFORATED UNDERDRAIN PIPE SHALL MEET THE WSDOT STANDARD SPECIFICATION 7-01.3(2).

SANITARY SEWER SYSTEMS:

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF FERNDALE STANDARD SPECIFICATIONS AND DETAILS, A.P.W.A. STANDARD SPECIFICATIONS, AND WSDOT STANDARD SPECIFICATIONS, MOST RECENT EDITIONS. SANITARY SEWER SYSTEM INSTALLATION, BOTH PUBLIC AND PRIVATE, IS SUBJECT TO CITY REVIEW AND APPROVAL 2. ALL WORK MUST BE INSPECTED TO THE SATISFACTION OF THE CITY OF FERNDALE. 24 HOUR NOTICE MUST BE GIVEN PRIOR TO STARTING WORK. TESTING OF THE SEWER SYSTEM AND ALL CONNECTIONS TO EXISTING MAINS SHALL BE PERFORMED IN THE PRESENCE AND UNDER THE SUPERVISION OF A CITY OF
- FERNDALE REPRESENTATIVE 3. SANITARY SEWER MAINS SHALL BE A MINIMUM 8 INCH DIAMETER PVC PIPE (SDR-35) CONFORMING TO THE PROVISIONS OF ASTM D 3034 AND INSTALLED
- 4. SANITARY SEWER PIPE BEDDING SHALL BE PEA GRAVEL PER COFSD SS-1. ALL TRENCHES SHALL BE BACKFILLED WITH CLASS B BANK RUN GRAVEL WITHIN CITY RIGHT OF WAY AND TRAVELED WAYS OUTSIDE OF RIGHT OF WAY (ACCESS EASEMENTS) AND SHALL BE COMPACTED TO A MINIMUM DENSITY OF 95% MODIFIED PROCTOR. USE OF SUITABLE NATIVE BACKFILL OUTSIDE OF TRAVELED WAY SHALL BE SUBJECT TO APPROVAL BY THE CITY.
- 5. ALL MANHOLES SHALL BE INSTALLED PER CITY OF FERNDALE STANDARD DETAILS AND SHALL BE PRE-CHANNELED. MANHOLE CONES ARE TO BE OFFSET SUCH THAT LADDER RUNGS ARE PARALLEL TO THE FLOW.
- 6. ALL SIDE SEWERS SHALL BE INSTALLED PER CITY OF FERNDALE STANDARD DETAILS SS-6, SS-8 OR SS-13, EXCEPT THAT SINGLE SIDE SEWERS SHALL
- HAVE A MINIMUM DIAMETER OF 4". 7. CONTRACTOR SHALL EXTEND SEWER STUBS 5 FT BEYOND UTILITY CORRIDOR OR 15 FEET BEYOND RIGHT-OF-WAY LINE.
- 8. EACH SIDE SEWER STUB SHALL BE CAPPED WITH A WATERTIGHT PLUG. EACH STUB SHALL BE MARKED FOR LOCATION WITH A 2" DIA. PVC PIPE (MIN. SCHEDULE 40) WITH THE TOP 18" PAINTED GREEN AND STENCILED WITH THE WORD "SEWER" AND THE PIPE INVERT INDICATED. THE LOCATION MARKER SHALL BE CONNECTED TO THE SERVICE STUB BY A #12 COPPER WIRE.

SUBMITTED WITH **DESIGN PLAN**



APPROVED

CALL BEFORE YOU DIG 1-800-424-5555

CHECKED BY

DRAWN BY

IDH

Lynden, Washington 98264

REICHHARDT & EBE ENGINEERING, INC. PO Box 978 423 Front St., Ste 201

Ph (360) 354-3687 Fax (360) 354-0407

NO. DATE

REVISION BY FERNDALE BOYS AND GIRLS CLUB 2015 CHERRY ST. FERNDALE, WA 98248

NEW CLUBHOUSE GENERAL NOTES/REQUIREMENTS Job# / Dwg 04026 SCALE

#:n/a

SP6-CIVIL 11-6-09 v:n/a **C11**