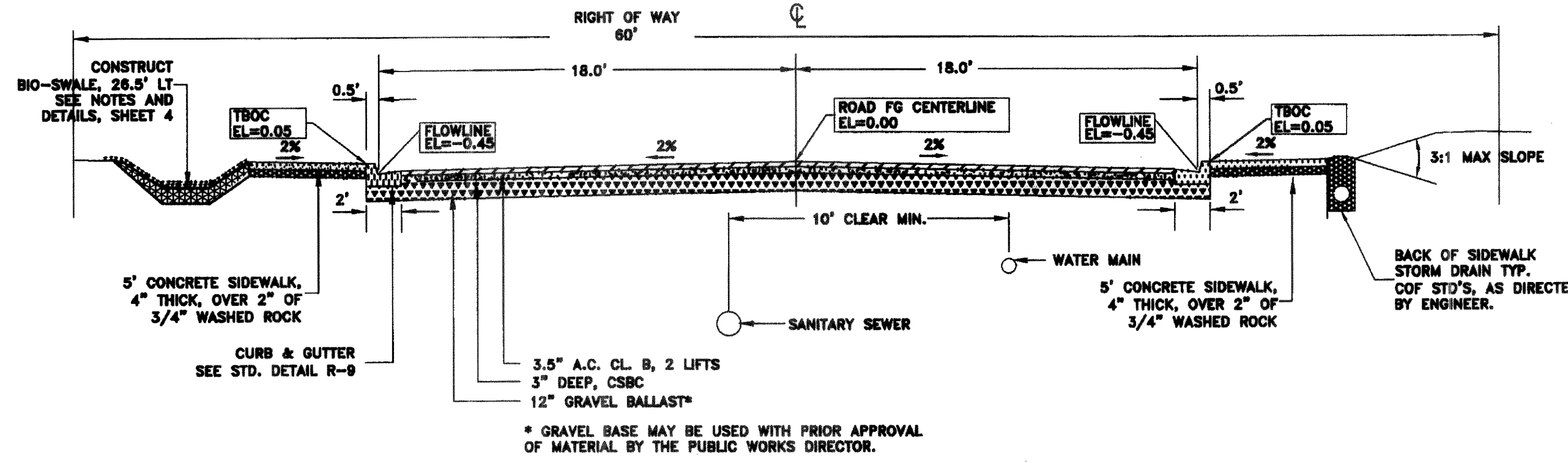
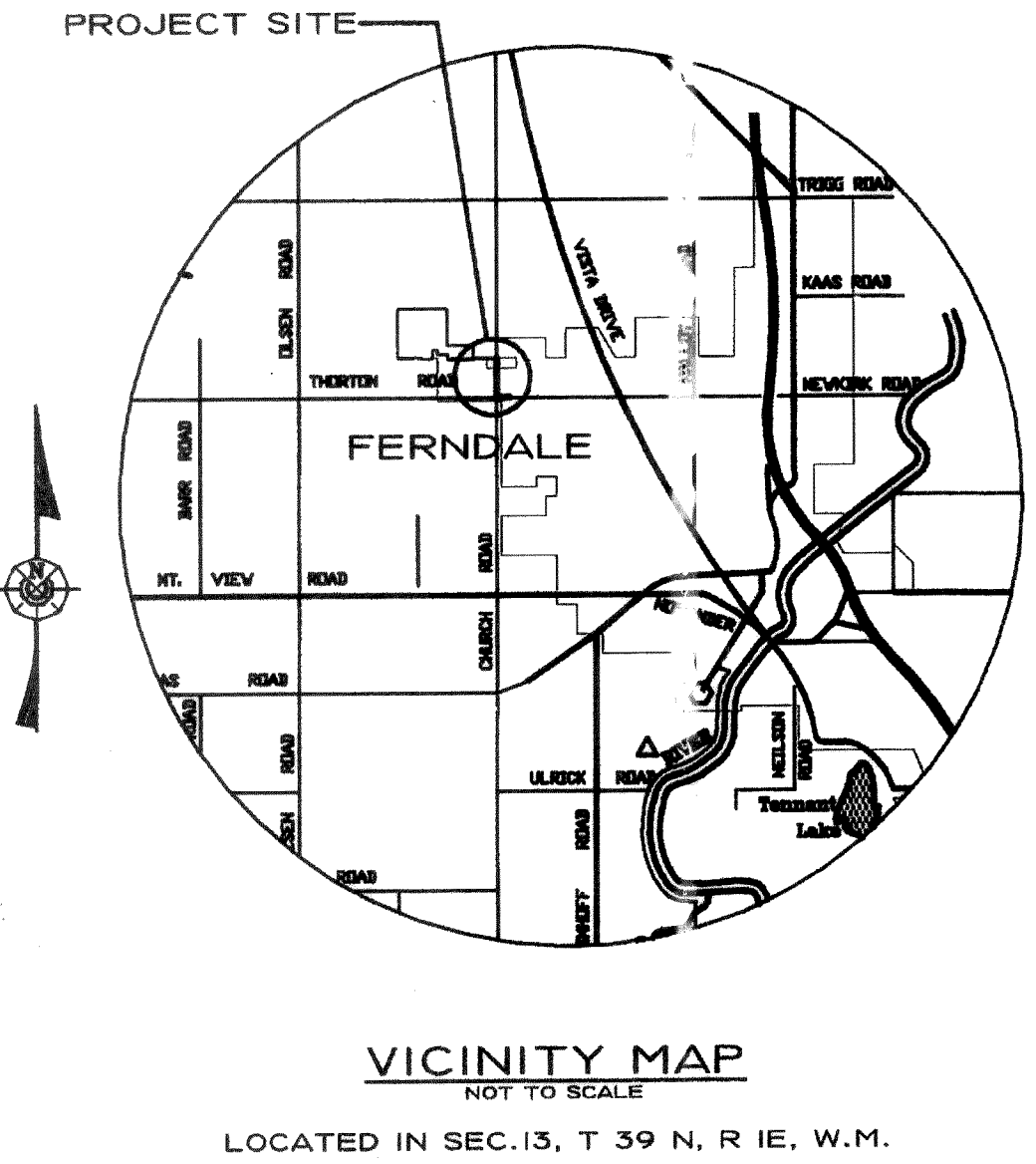


PACIFIC HIGHLANDS P.U.D.  
STREET EXTENSION AND OFF-SITE  
SANITARY SEWER CONSTRUCTION

CALL 2 DAYS  
BEFORE YOU DIG  
1-800-424-5555



LEGEND			LEGEND		
DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION	EXISTING	PROPOSED
WATER LINE		8" WA	TRAFFIC SIGN		T
WATER METER					
GATE VALVE					
FIRE HYDRANT					
TEE			PROPERTY LINE		
			FENCE LINE	X	X
SEWER LINE	SB	8" SS	RIGHT OF WAY LINE		
MAN HOLE			DRAINAGE DITCH LINE		
CLEAN OUT			CENTER LINE		
			ELEVATION LINE	54	54
GAS LINE	G	G			
			CONCRETE SIDEWALK		
UTILITY POLE W/GUY WIRE			MONUMENT		
POWER VAULT					
STREET LIGHT			STORM DRAIN LINE	SD	8" SD
TELEPHONE LINE RISER			CATCH BASIN		
POWER LINES	P	P	DRAINAGE DITCH		
UTILITY BOX					
POWER METER					

GENERAL NOTES

- PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE 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 DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES. CONTRACTOR SHALL OBTAIN REVOCABLE ENCROACHMENT PERMITS FROM THE CITY OF FERNDAL AND WHATCOM COUNTY PRIOR TO COMMENCING WORK IN THE RIGHT OF WAYS. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH THE REPRESENTATIVES FROM THE CITY OF FERNDAL PUBLIC WORKS DEPARTMENT A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO BEGINNING WORK.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND THE CURRENT WSDOT/APWA STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE CITY OF FERNDAL DEVELOPMENT STANDARDS. IN THE EVENT OF A CONFLICT BETWEEN CITY OF FERNDAL DEVELOPMENT STANDARDS AND WSDOT STANDARDS, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
- ALL WORK AND MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE CITY OF FERNDAL. REPRESENTATIVES FROM THE CITY OF FERNDAL PUBLIC WORKS DEPARTMENT MUST INSPECT ALL WORK. THE CONTRACTOR SHALL CALL AT LEAST 24 HOURS IN ADVANCE TO SCHEDULE INSPECTIONS AS FOLLOWS.
  - PLACEMENT OF TEMPORARY EROSION CONTROL MEASURES.
  - PLACEMENT OF WATER MAIN AND BACKFILLING OF WATER MAIN WITHIN ROAD RIGHT-OF-WAY OR IN WATERLINE EASEMENTS TO BE DEDICATED TO THE CITY OF FERNDAL.
  - PLACEMENT AND BACKFILLING OF UNDERGROUND UTILITIES, STORM SEWER AND SANITARY SEWER WITHIN ROAD RIGHT-OF-WAY OR IN EASEMENTS TO BE DEDICATED TO THE CITY OF FERNDAL.
  - PUBLIC ROADWAY GRADING AT (1) COMPLETION OF SUBGRADE, (2) COMPLETION OF BALLAST, (3) COMPLETION OF CRUSHED SURFACING.
  - POURING OF CURB/GUTTER AND SIDEWALK IN PUBLIC ROADWAY.
  - ASPHALT PAVING IN PROGRESS IN PUBLIC ROADWAY.
  - OVER ALL INSPECTION FOR FINISHED SHOULDERS, DITCHES, PERMANENT SEEDING AND MONUMENT PLACEMENT.
  - END OF MAINTENANCE PERIOD.
- SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL ABOVE GROUND AND BURIED DEBRIS AND WASTE THAT MAY BE PRESENT.
- CONTRACTOR SHALL RESTORE ALL PRIVATE AND PUBLIC PROPERTY DISRUPTED BY THE PROJECT IMMEDIATELY AFTER CONSTRUCTION.
- CONTRACTOR SHALL INFORM THE ENGINEER AND OBTAIN APPROVAL FROM THE CITY OF FERNDAL PUBLIC WORKS DIRECTOR OF ANY PROPOSED CHANGES IN PLAN PRIOR TO CONSTRUCTION OF THAT CHANGE. CONTRACTOR SHALL KEEP RECORDS OF ALL DEVIATIONS AND SHALL FORWARD THEM TO THE ENGINEER AND TO THE CITY OF FERNDAL PUBLIC WORKS DEPARTMENT.
- THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE. CALL 1-800-424-5555 FOR UTILITY LOCATE 48 HOURS PRIOR TO WORK, CONTRACT TO HOLD. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PROMPTLY OF ANY CONFLICT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL ADJACENT UTILITIES WHICH INCLUDE BUT ARE NOT LIMITED TO: WATER, SEWER, STORM SEWER, POWER, TELEPHONE, CABLE TV, IRRIGATION, AND STREET LIGHTING. CONTRACTOR SHALL RESTORE ALL PRIVATE AND PUBLIC PROPERTY DISTURBED BY THE PROJECT UPON COMPLETION OF THE PROJECT.
- A PRE-CONSTRUCTION MEETING MUST BE HELD WITH THE CITY A MINIMUM OF 3 DAYS BEFORE WORK IS CONDUCTED.
- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- 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 THE WORK COVERED BY THE CONTRACT. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. ALL SECTIONS OF THE APWA STANDARD SPECIFICATIONS 1-07.23 - TRAFFIC CONTROL SHALL APPLY.
- A COPY OF THESE PLANS MUST BE ON-SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- STREET
  - STANDARD ACC SECTION CITY OF FERNDAL STD. DETAIL
  - CURB R-1
  - SIDEWALKS R-12
  - SIDEWALK DRAINS ST 15
  - CURB RAMPS, ADA APPROACHES W: OT F-3
  - MONUMENTS S-
- ENGINEER IS REQUIRED TO CERTIFY SUB GRADES IN WRITING, PRIOR TO PAVING.
- THE PUBLIC WORKS DIRECTOR MAY CONSIDER ALTERNATE PAVEMENT SECTIONS DESIGNED BY A LICENSED GEOTECHNICAL ENGINEER

TYPICAL SECTION - PACIFIC HIGHLANDS AVENUE

- STREET LIGHTING  
CONTRACTOR SHALL PROVIDE STREET ILLUMINATION IN ACCORDANCE WITH SECTION 707 OF COFDS. 100 WATT HIGH PRESSURE SODIUM LAMPS INSTALLED ON STANDARD CONCRETE OCTAGON OR ROUND POLES NO LESS THAN 25' HIGH AND LOCATED AS SHOWN IN THE PLANS. FINAL LOCATION OF STREET LIGHTS TO BE COORDINATED WITH PUGET SOUND ENERGY/INTOLIGHT. CONTRACTOR TO CONFORM WITH SPECIFICATIONS SHOWN IN WSDOT J-11a UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR. THE CONTRACTOR MUST NOTIFY THE FERNDAL PUBLIC WORKS DIRECTOR OF A PROPOSED CONNECTION TIME AT LEAST FOUR WORKING DAYS IN ADVANCE.
- DRAINAGE
  - CB FRAME ST-8  
DRAINAGE PIPE PER APWA STD 9-05.12(2) OR PE, ADS N-12 (DOUBLE WALL)  
SIDEWALK DRAIN PIPE ST-15 (SINGLE), SEE BELOW
  - ALL DRAINAGE SERVICE ENDS SHALL BE MARKED FOR LOCATION WITH A 2 X 4 PAINTED WHITE.
- SANITARY SEWER
  - MH DETAILS SS-2, TYPE 1 48"; SS-4, TYPE 3 54"  
BEDDING SS-1  
BACKFILL APWA 9-03.12(1)B, SS-15  
CLEAN OUTS CITY OF BELLINGHAM SE-1  
SIDE SEWERS SS-6, SS-8, SS-13
  - SANITARY SEWER SHALL BE PVC CONFORMING TO ASTM D3034 SDR 35. BEDDING AND BACKFILL SHALL BE AS SHOWN IN THE STANDARD DETAILS.
  - ALL SINGLE SIDE SEWERS SHALL BE 4" DIA; SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF 2%.
  - ALL SIDE SEWERS SHALL BE CAPPED WITH WATERTIGHT PLUG, AND SHALL BE MARKED FOR LOCATION WITH 2" DIA PVC WITH THE TOP 18" PAINTED WHITE AND STENCILED "SEWER", WITH #12 COPPER WIRE SS-14.
  - ALL TESTING AND CONNECTIONS TO EXISTING MAINS SHALL BE DONE IN THE PRESENCE OF A REPRESENTATIVE OF THE CITY OF FERNDAL.
  - CONTRACTOR SHALL EXTEND SEWER STUBS BEYOND THE RIGHT-OF-WAY.
  - DUCTILE IRON SEWER PIPE SHALL CONFORM TO WSDOT STANDARD SPECIFICATION 7-17.2.

NOTE: LETTER FROM ROBERT CECILE, P.E., CITY OF FERNDAL PUBLIC WORKS DIRECTOR REGARDING OFF-SITE SANITARY SEWER PIPE SIZE AND SLOPE APPROVED ON FILE AT CITY HALL.

- WATER
  - THRUST BLOCKS CITY OF FERNDAL STD. DETAIL  
WATER SERVICE W-2, W-3, W-4  
TESTING W-5  
BLOW OFF FERNDAL STD  
CHLORINATION W-9, W-10  
FH (MAX. 300' INTERVALS) AWWA SECTION C851  
AIR/VAC VALVE W-1  
CITY OF BELLINGHAM WA-6
  - ALL WATER MAIN PIPE SHALL BE DUCTILE IRON, CLASS 50, WITH CEMENT LINING ACCORDING TO AWWA STANDARD H3-71, C151-71 AND CEMENT LINING C104-71 AND COF STANDARDS 702 AND 705.
  - TEST PRESSURE FOR WATER MAIN ACCEPTANCE SHALL BE 225 PSI AND SHALL BE DONE ACCORDING TO CITY OF FERNDAL REQUIREMENTS. ALL DISINFECTION AND BACTERIOLOGICAL TESTS SHALL BE CONDUCTED BY THE CITY OF FERNDAL LABORATORY. THE PIPE WILL NOT PASS UNLESS A ZERO BACTERIA COUNT IS OBTAINED FOR TWO CONSECUTIVE TESTS 24 HOURS APART.
  - BACKFILL SHALL BE GRAVEL BASE, CLASS B IN ALL STREET RIGHTS-OF-WAY COMPACTED TO 95% OPTIMUM DENSITY, 90% DENSITY IN UNIMPROVED AREAS.
  - ALL PIPE SHALL HAVE A MINIMUM COVER OF 3.5 FEET.
  - CONNECTION TO EXISTING CITY WATER SYSTEM SHALL BE PAID IN ADVANCE BY A DEPOSIT.
  - ALL VALVES SHALL BE EITHER GATE OR BUTTERFLY TYPE VALVES AND SHALL HAVE SLIP TYPE CAST IRON VALVE BOXES. SHORT BODY VALVES SHALL BE SUITABLE FOR A NON SHOCK SHUT-OFF PRESSURE OF 150 PSI RESILIENT SEATED VALVES AND SUITABLE FOR DIRECT BURIAL. VALVES 8" AND SMALLER SHALL BE IRON BODY FULL BRONZE MOUNTED, VALVES AND SUITABLE FOR INSTALLATION WITH THE TYPE AND CLASS OF PIPE USED. ALL VALVES SHALL HAVE NONRISING STEMS, SHALL OPEN COUNTERCLOCKWISE, AND SHALL BE EQUIPPED WITH A 2" SQUARE OPERATING NUT. VALVES WILL BE FLANGE OR MJ.
  - ALL WATER SERVICE ENDS SHALL BE MARKED FOR LOCATION WITH A WOODEN 2" X 4" 4 FEET LONG AND PAINTED BLUE.
- ALL TESTING REQUIREMENTS FOR THE IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN CONFORMANCE WITH THE CITY OF FERNDAL DEVELOPMENT STANDARDS AS FOLLOWS:
  - CURB/GUTTER, SIDEWALK, ROADWAY BASE COMPACTION - MINIMUM 1 TEST EVERY 3 STATIONS, MIN. 2 TESTS PER CATEGORY.
  - CONCRETE CYLINDER COMPRESSION - 1 CYLINDER EVERY THIRD LOAD, MIN. 2 SAMPLES.
  - ASPHALT CONCRETE PAVING DENSITY.

- ALL CONCRETE SHALL BE APWA CLASS 3000 PER APWA 6-02.3(2)B.
- EROSION CONTROL
  - CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT. IF AT SUCH TIME IT IS DETERMINED THAT THE OBJECTIVES OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN ARE NOT BEING MET, ADDITIONAL DEPARTMENT OF ECOLOGY BEST MANAGEMENT PRACTICES (BMP'S) MAY BE REQUIRED.
  - ALL EROSION CONTROL MEASURES AND FACILITIES ARE TO BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
  - EROSION CONTROL MEASURES SHALL BE AS SHOWN ON THE PLANS, AS DIRECTED BY THE ENGINEER, AND AS NECESSARY FOR THE PREVENTION OF EROSION AND SEDIMENTATION.
  - ALL DISTURBED AREAS OR EXPOSED SOILS ARE TO BE COVERED WITH MULCH OR WOOD CHIPS IF EROSION CONDITIONS ARE POSSIBLE. UPON COMPLETION OF CONSTRUCTION ALL DISTURBED AREAS AND CUT/FILL TO SLOPES ARE TO BE SEEDDED WITH THE FOLLOWING EROSION SEED MIXTURE:  
75-85 % TALL OR MEADOW FESCUE,  
10-15 % SEASIDE/CREeping BENTGRASS,  
5-10 % REDTOP BENTGRASS.  
SEED AT 60 LBS./ACRE.
  - EXPOSED CUT AND FILL SLOPES; SHALL BE SEEDDED AND FERTILIZED FOR EROSION CONTROL. CONTRACTOR SHALL BE RESPONSIBLE FOR SLOPE EROSION UNTIL VEGETATION IS FULLY ESTABLISHED.  
  
CATCH BASINS PLACED INTO SERVICE PRIOR TO THE STABILIZATION OF ALL DISTURBED OR EXPOSED SOILS SHALL BE PROTECTED WITH CATCH BASIN INSERTS (SEE DETAIL ON SHEET 3) OR APPROVED EQUAL.
  - ANY TEMPORARY DITCHES OR DIVERSIONS OF WATER SHALL BE ROUTED THROUGH STILLING POOLS AND PROVIDED WITH PEA GRAVEL OR STRAW BALE CHECK DAMS AT A MAXIMUM SPACING OF 50' O.C.
- THE ENGINEER SHALL PROVIDE CERTIFIED AS BUILT DATA OF THE IMPROVEMENTS TO THE CITY OF FERNDAL UPON COMPLETION OF THE PROJECT (SEE GENERAL NOTE 6).
- POTABLE WATER IS TO BE PROVIDED BY THE CITY OF FERNDAL. ALL WATER MAINS, HYDRANTS, SERVICES, VALVES, AND ASSORTED APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF FERNDAL DEVELOPMENT STANDARDS AND PLANS.
- DEVELOPER/CONTRACTOR SHALL POST A PERFORMANCE AND MAINTENANCE SECURITIES AS REQUIRED BY THE CITY OF FERNDAL.

SHEET INDEX:

- COVER SHEET
- SITE SHEET INDEX
- PACIFIC HIGHLANDS AVENUE EXTENSION STA 10+00 - 15+00
- PACIFIC HIGHLANDS AVENUE EXTENSION STA 15+00 - 18+00
- PACIFIC HIGHLANDS AVENUE EXTENSION STANDARD DETAILS
- OFF-SITE SANITARY SEWER 1
- OFF-SITE SANITARY SEWER 2
- OFF-SITE SANITARY SEWER 3
- EROSION CONTROL PLAN AND DETAILS

AS-BUILT DRAWING 04/12/04

I HEREBY CERTIFY THAT THE IMPROVEMENTS FOR PACIFIC HIGHLANDS PHASE 1 OFF-SITE CONSTRUCTION HAVE BEEN INSPECTED BY ASSOCIATED PROJECT CONSULTANTS, INC., P.S. ENGINEERS, PROJECT AND LAND USE MANAGEMENT, BUILDING, STRUCTURAL, AND ENVIRONMENTAL SERVICES 1401 ASTOR STREET, BELLINGHAM, WA 98225 PHONE (360) 671-1146 FAX (360) 671-1169

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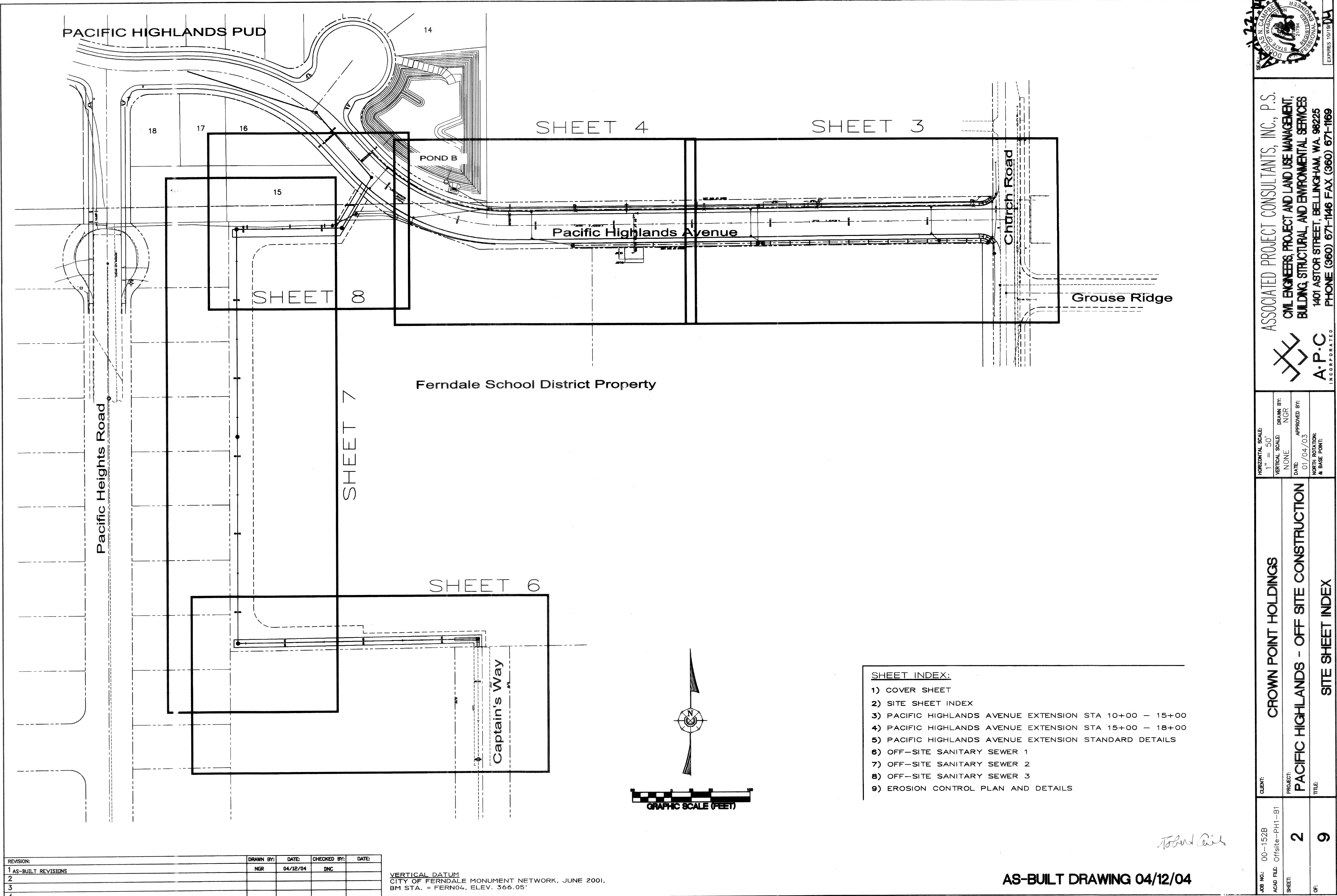
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CITY OF FERNDAL MONUMENT NETWORK, JUNE 2001,  
BM STA. = FERN04, ELEV. 366.05'

ASSOCIATED PROJECT CONSULTANTS, INC., P.S.  
CIVIL ENGINEERS, PROJECT AND LAND USE MANAGEMENT,  
BUILDING, STRUCTURAL, AND ENVIRONMENTAL SERVICES  
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CROWN POINT HOLDINGS  
PACIFIC HIGHLANDS - OFF SITE CONSTRUCTION  
COVER SHEET

CLIENT:	00-152	PROJECT:	1	TITLE:	9
ACAD FILE:	Offsite-PH1-B1	SHEET:		OF:	





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VERTICAL DATUM  
CITY OF FERNDAL MONUMENT NETWORK, JUNE 2001,  
BM STA. = FERN04, ELEV. 366.05'

SHEET INDEX:

- 1) COVER SHEET
- 2) SITE SHEET INDEX
- 3) PACIFIC HIGHLANDS AVENUE EXTENSION STA 10+00 - 15+00
- 4) PACIFIC HIGHLANDS AVENUE EXTENSION STA 15+00 - 18+00
- 5) PACIFIC HIGHLANDS AVENUE EXTENSION STANDARD DETAILS
- 6) OFF-SITE SANITARY SEWER 1
- 7) OFF-SITE SANITARY SEWER 2
- 8) OFF-SITE SANITARY SEWER 3
- 9) EROSION CONTROL PLAN AND DETAILS

AS-BUILT DRAWING 04/12/04

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PHONE (360) 671-1146 FAX (360) 671-1169

A.P.C.  
INCORPORATED

HORIZONTAL SCALE:  
1" = 50'

VERTICAL SCALE:  
NONE

DATE:  
01/04/03

NORTH ROTATION:  
& BASE POINT:

CLIENT:  
CROWN POINT HOLDINGS

PROJECT:  
PACIFIC HIGHLANDS - OFF SITE CONSTRUCTION

TITLE:  
SITE SHEET INDEX

JOB NO.:  
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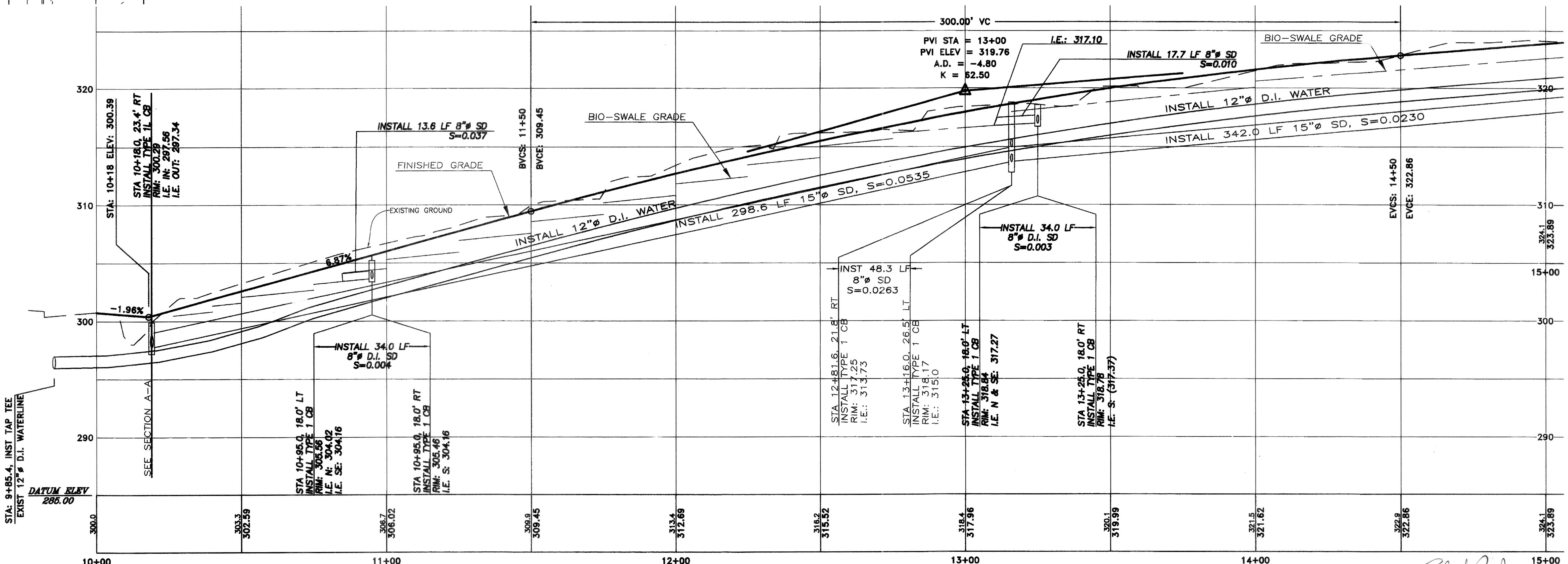
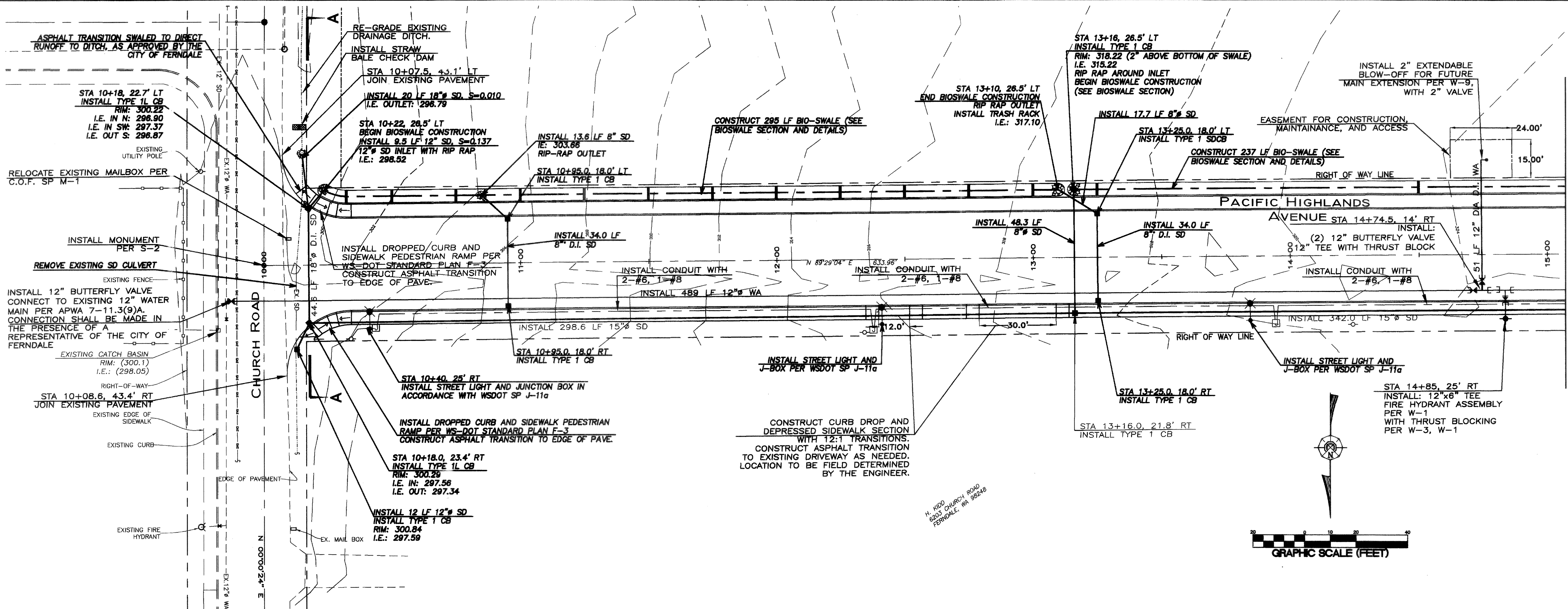
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VERTICAL DATUM  
CITY OF FERNDAL MONUMENT NETWORK, JUNE 2001,  
BM STA. = FERND04, ELEV. 566.05'

AS-BUILT DRAWING

**ASSOCIATED PROJECT CONSULTANTS, INC., P.S.**  
CIVIL ENGINEERS, PROJECT AND LAND USE MANAGEMENT,  
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1401 ASTOR STREET, BELLINGHAM, WA 98225  
PHONE (360) 671-1146 FAX (360) 671-1169

HORIZONTAL SCALE:  
1"=20'

VERTICAL SCALE:  
1"=5'

DATE:  
01/14/03

NORTH ROTATION:  
BASE POINT:

CLIENT:  
00-152B

PROJECT:  
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SHEET:  
9

TITLE:  
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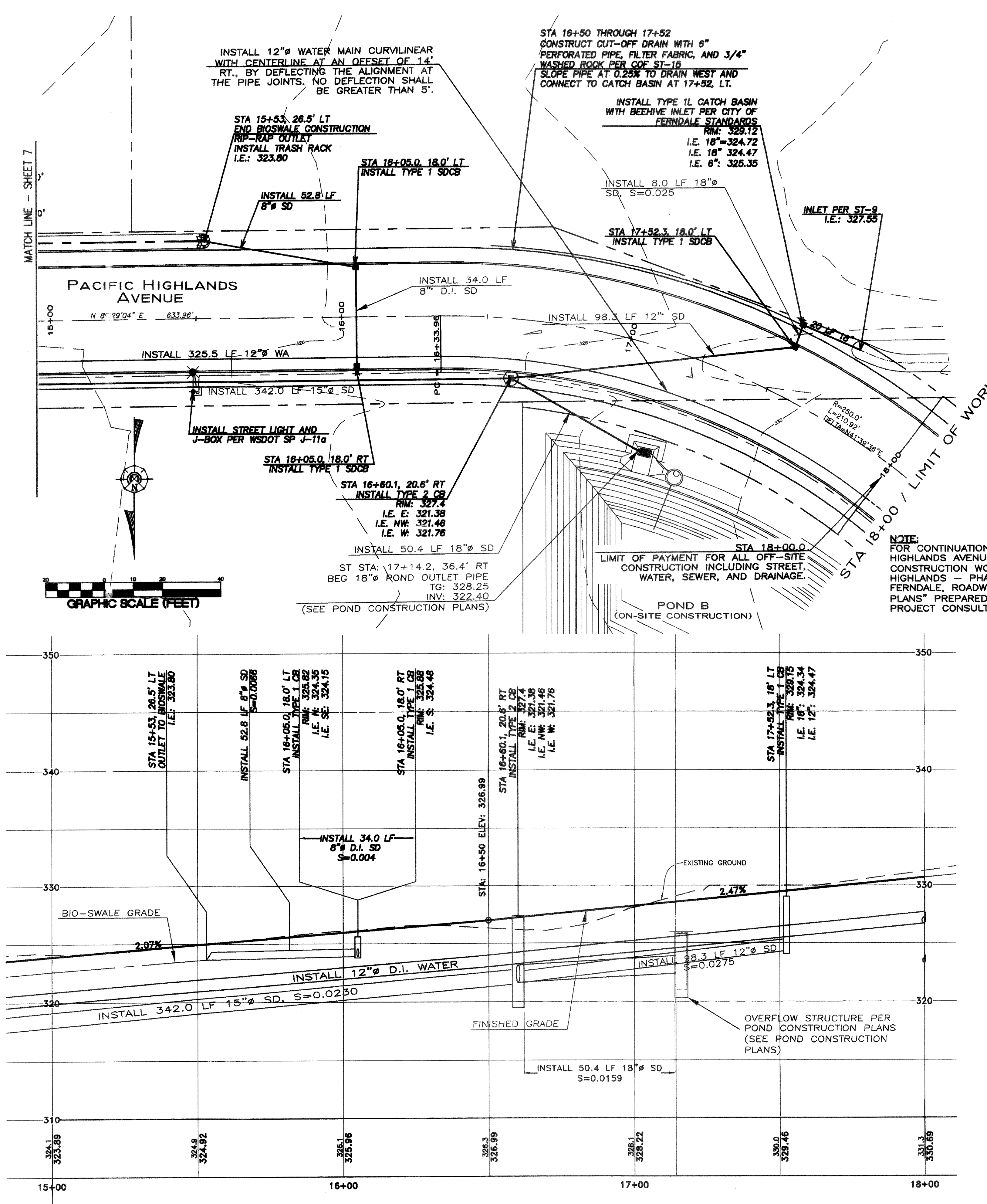
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PACIFIC HIGHLANDS AVENUE EXTENSION

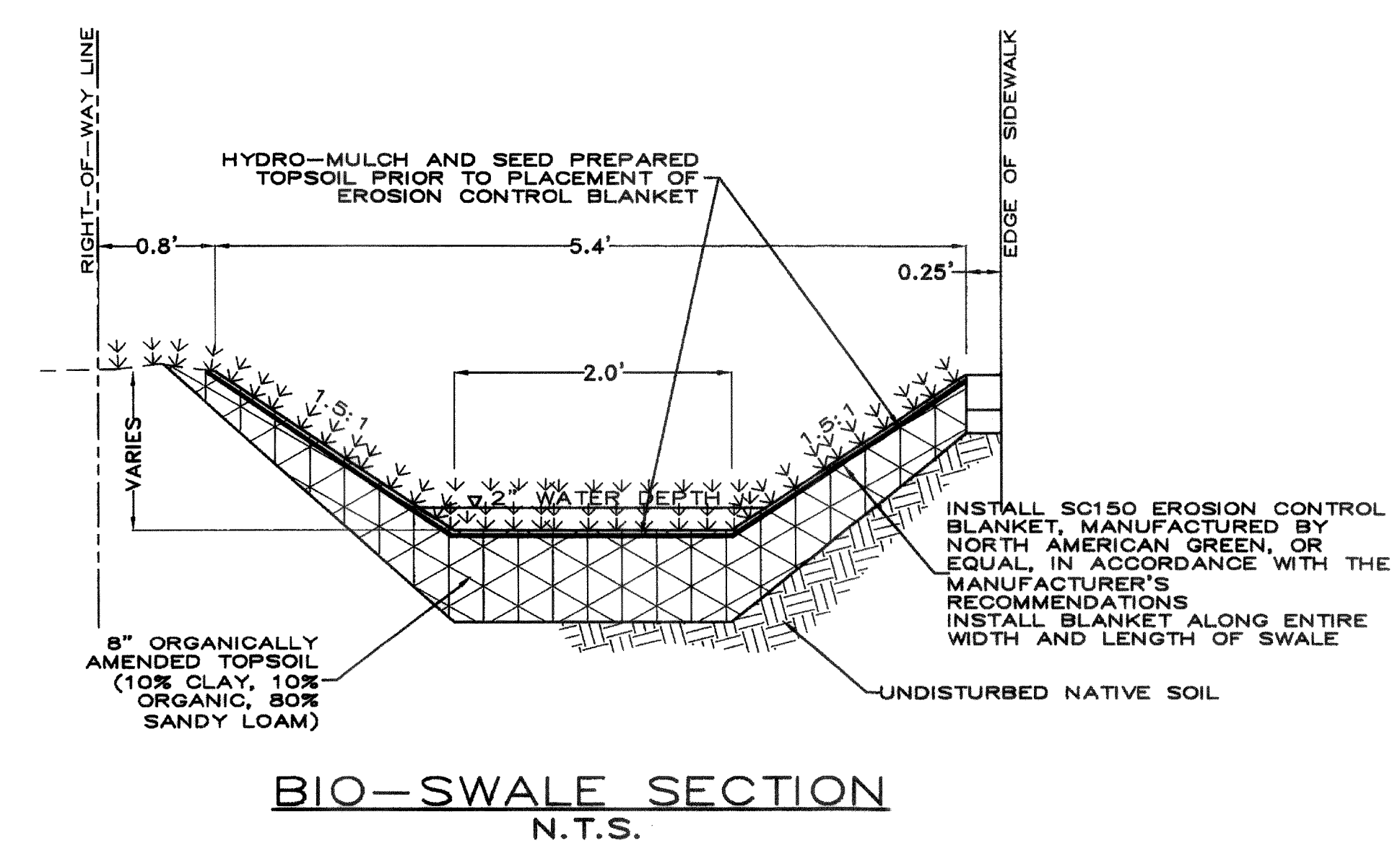
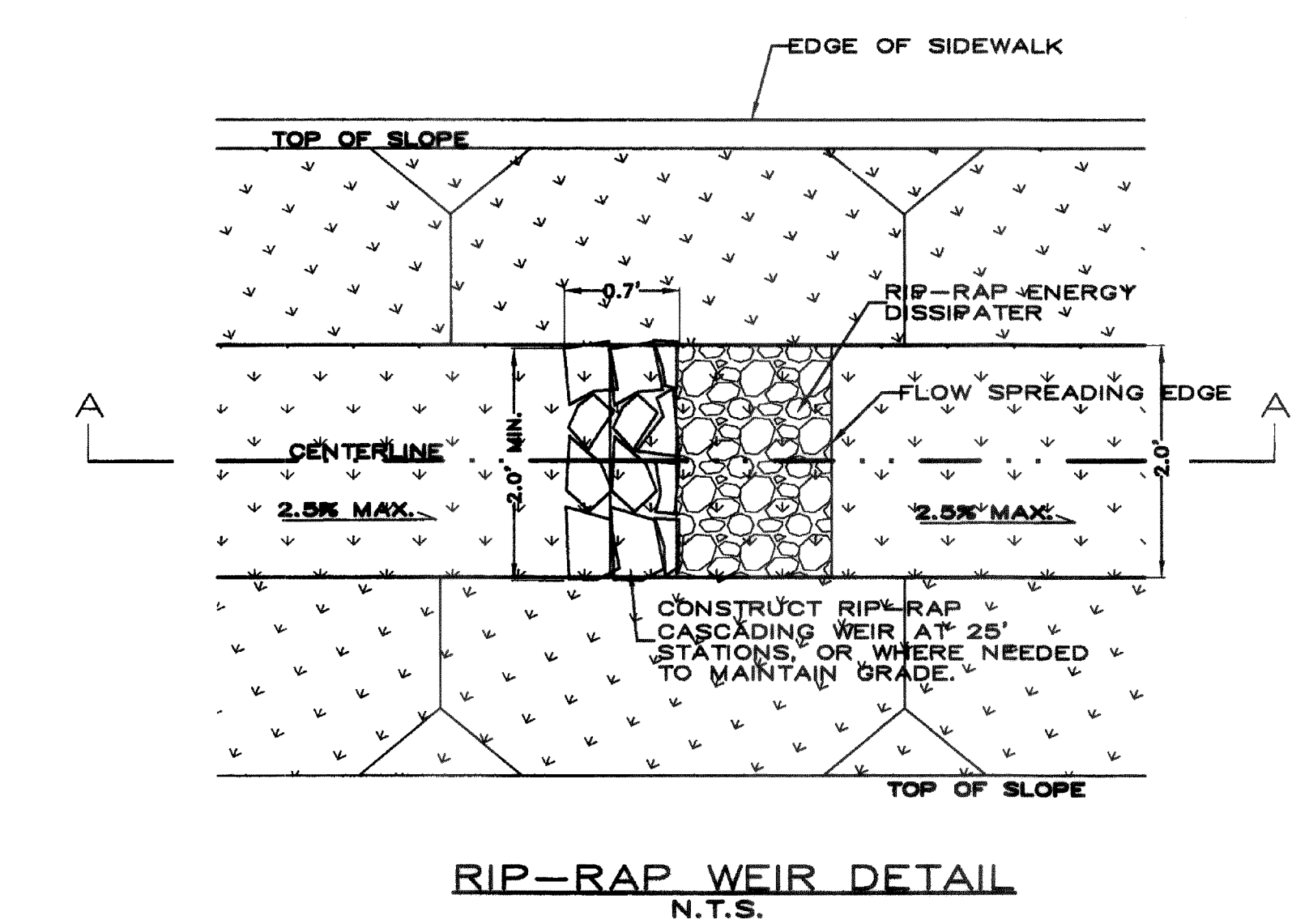
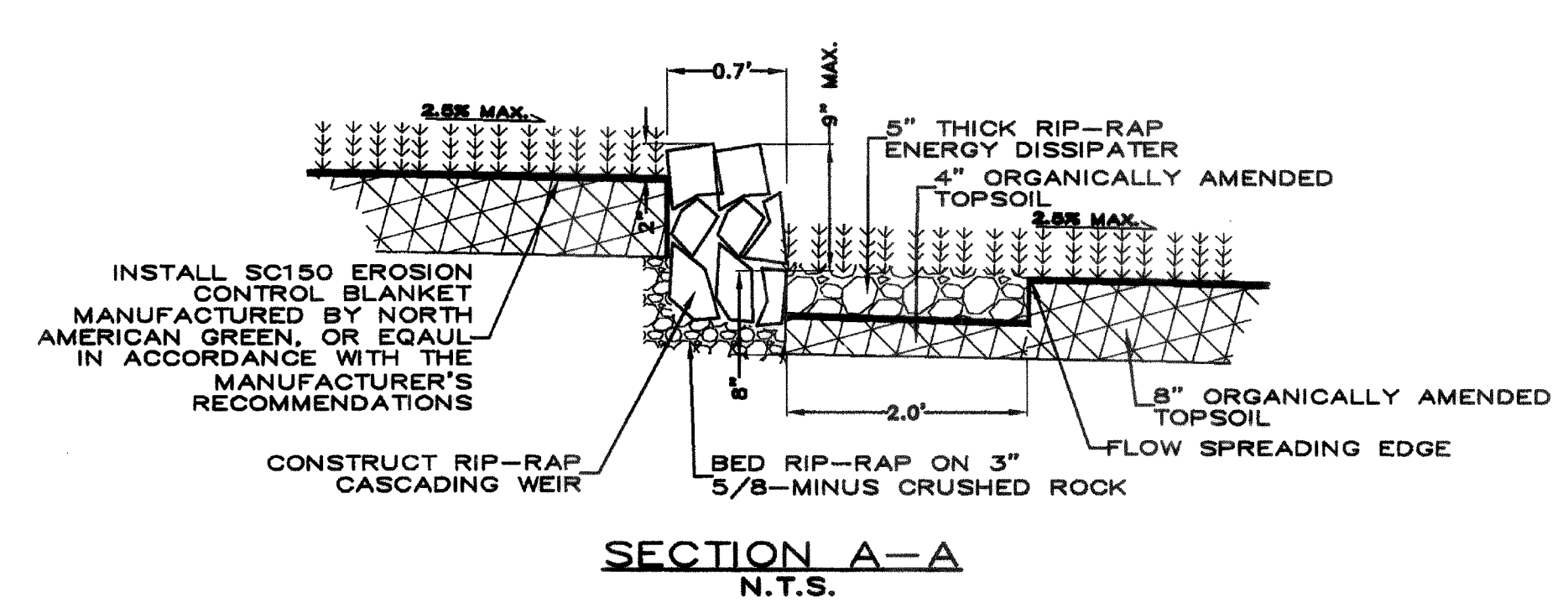
PACIFIC HIGHLANDS AVENUE: STA 10+00 - 15+00

00200.003 2.13.06 K2





- BIO-SWALE CONSTRUCTION NOTES:**
- ALL EROSION CONTROL MEASURES AND FACILITIES ARE TO BE IN PLACE PRIOR TO THE COMMENCEMENT OF BIO-SWALE CONSTRUCTION.
  - ALL DISTURBED OR EXPOSED SOILS MUST BE FULLY STABILIZED PRIOR TO PLACEMENT OF THE BIO-SWALE IN OPERATION. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IN SWALE IS ESTABLISHED.
  - TOPSOIL SHALL BE PREPARED, HYDRO-MULCHED, AND SEEDED PRIOR TO INSTALLATION OF GEO-TEXTILE.
- THE FOLLOWING SEED MIXTURE SHALL BE USED:
- 75-80% TALL FESCUE
  - 10-15% SEASIDE/COLONIAL BENTGRASS
  - 5-10% REDTOP
- CONTRACTOR SHALL BE RESPONSIBLE FOR VEGETATION UNTIL IT IS FULLY ESTABLISHED, AS APPROVED BY THE ENGINEER.
- GEO-TEXTILE SHALL BE PLACED ACROSS THE FULL WIDTH OF THE SWALE FOR THE ENTIRE LENGTH. LONGITUDINAL ANCHOR TRENCHES, CHECK SLOTS, OVERLAPS, AND STAPLE PATTERNS SHALL BE AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER.



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1 AS-BUILT REVISIONS	NGR	04/12/04	INC	
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VERTICAL DATUM  
CITY OF FERNDALE MONUMENT NETWORK, JUNE 2001,  
BM STA. = FERN04, ELEV. 366.05'

AS-BUILT DRAWING 04/12/04

**ASSOCIATED PROJECT CONSULTANTS, INC., P.S.**  
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 BUILDING, STRUCTURAL, AND ENVIRONMENTAL SERVICES  
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**CROWN POINT HOLDINGS**

**PACIFIC HIGHLANDS AVENUE EXTENSION**

**PACIFIC HIGHLANDS AVENUE: STA 15+00 - 18+00**

CLIENT: 00-152B

PROJECT: Offsite-PH1-B1

SHEET: 4

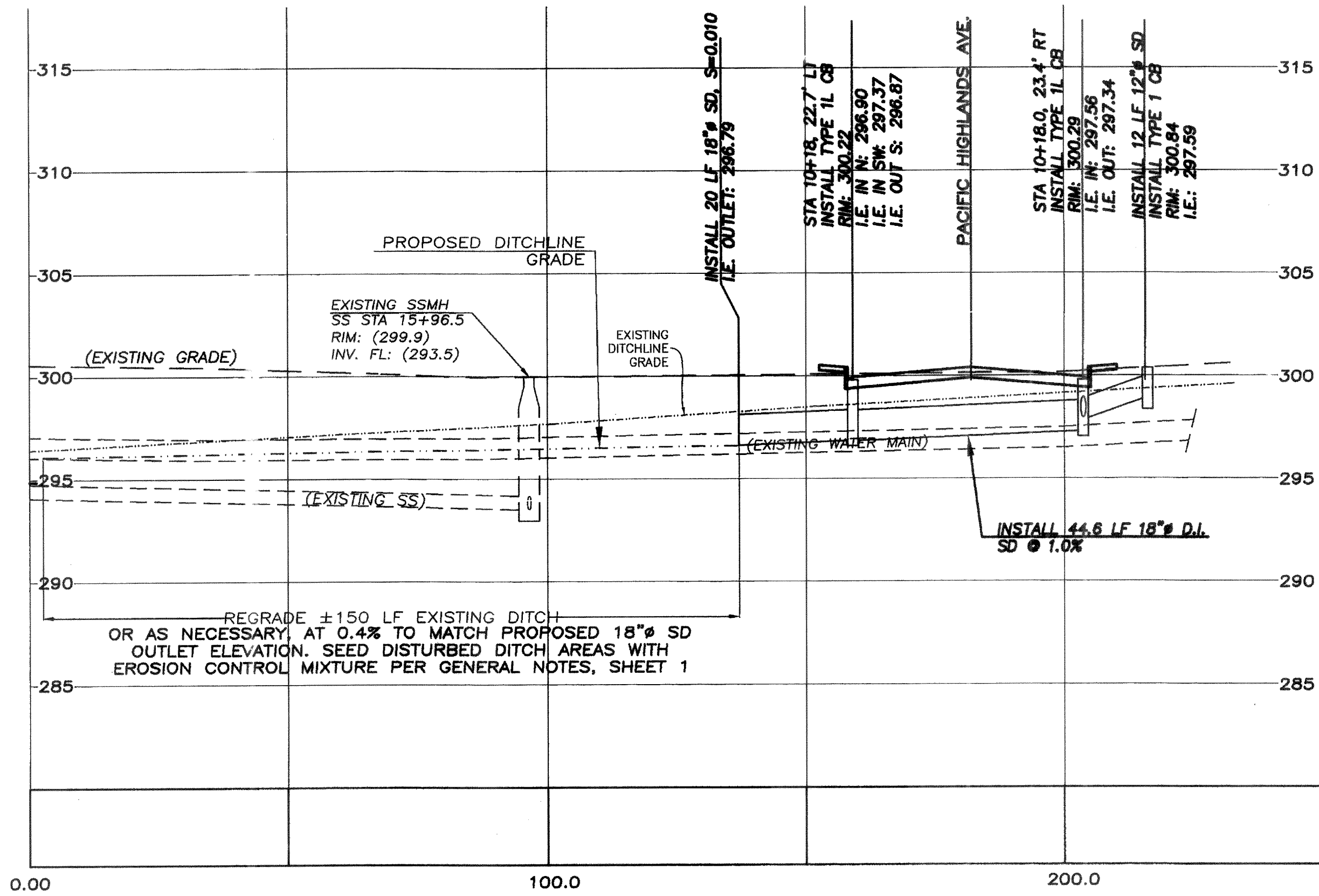
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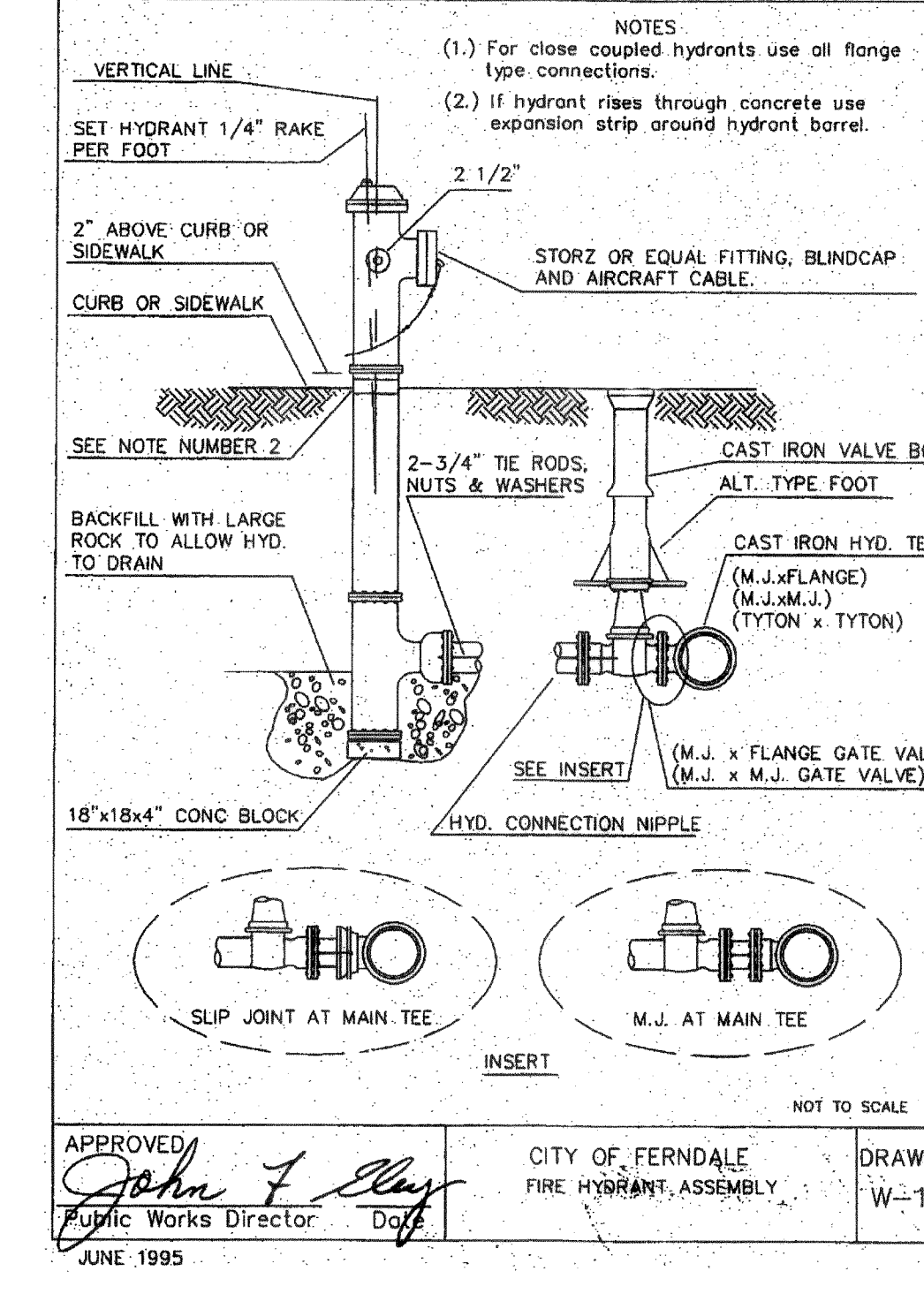
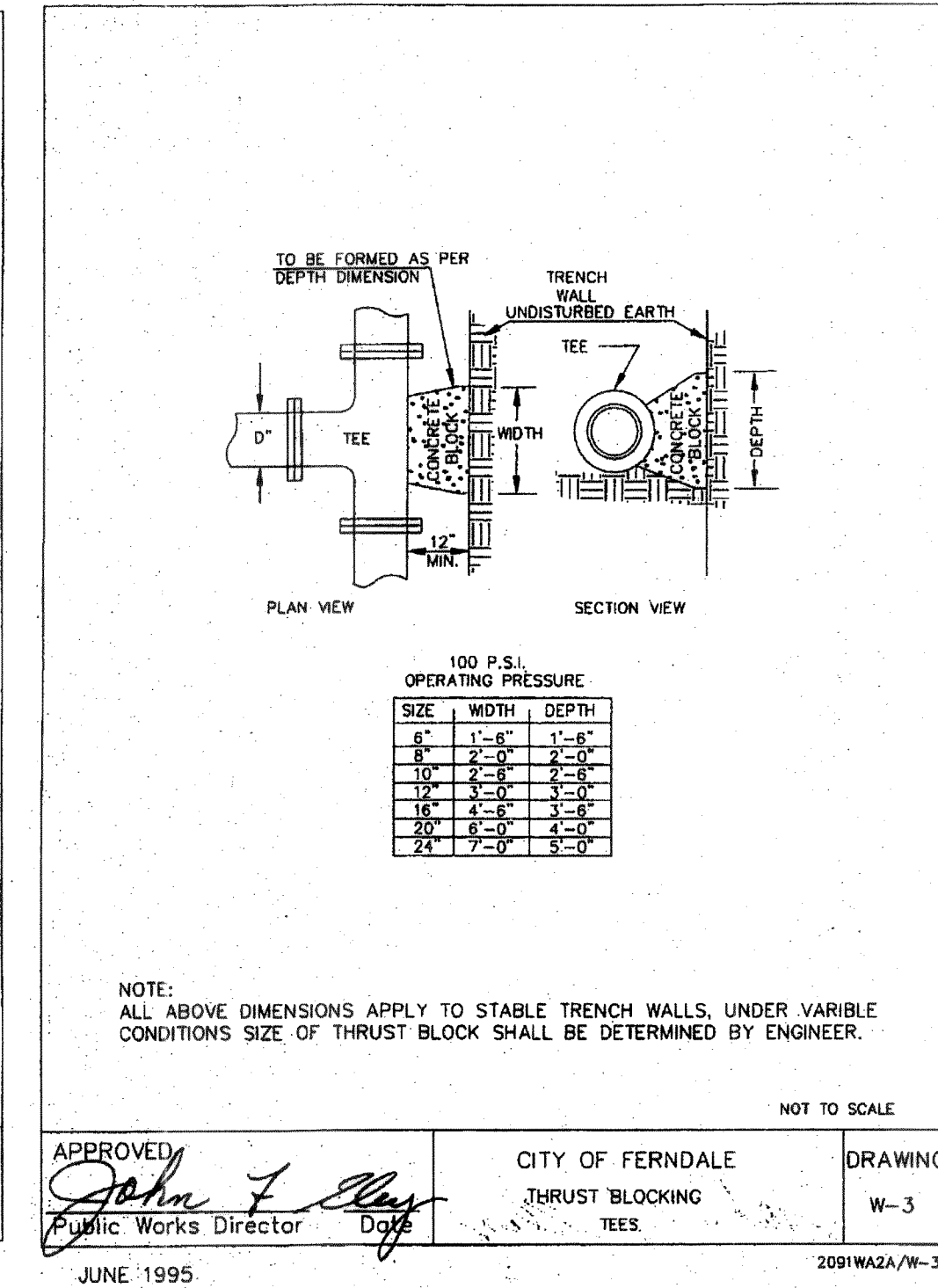
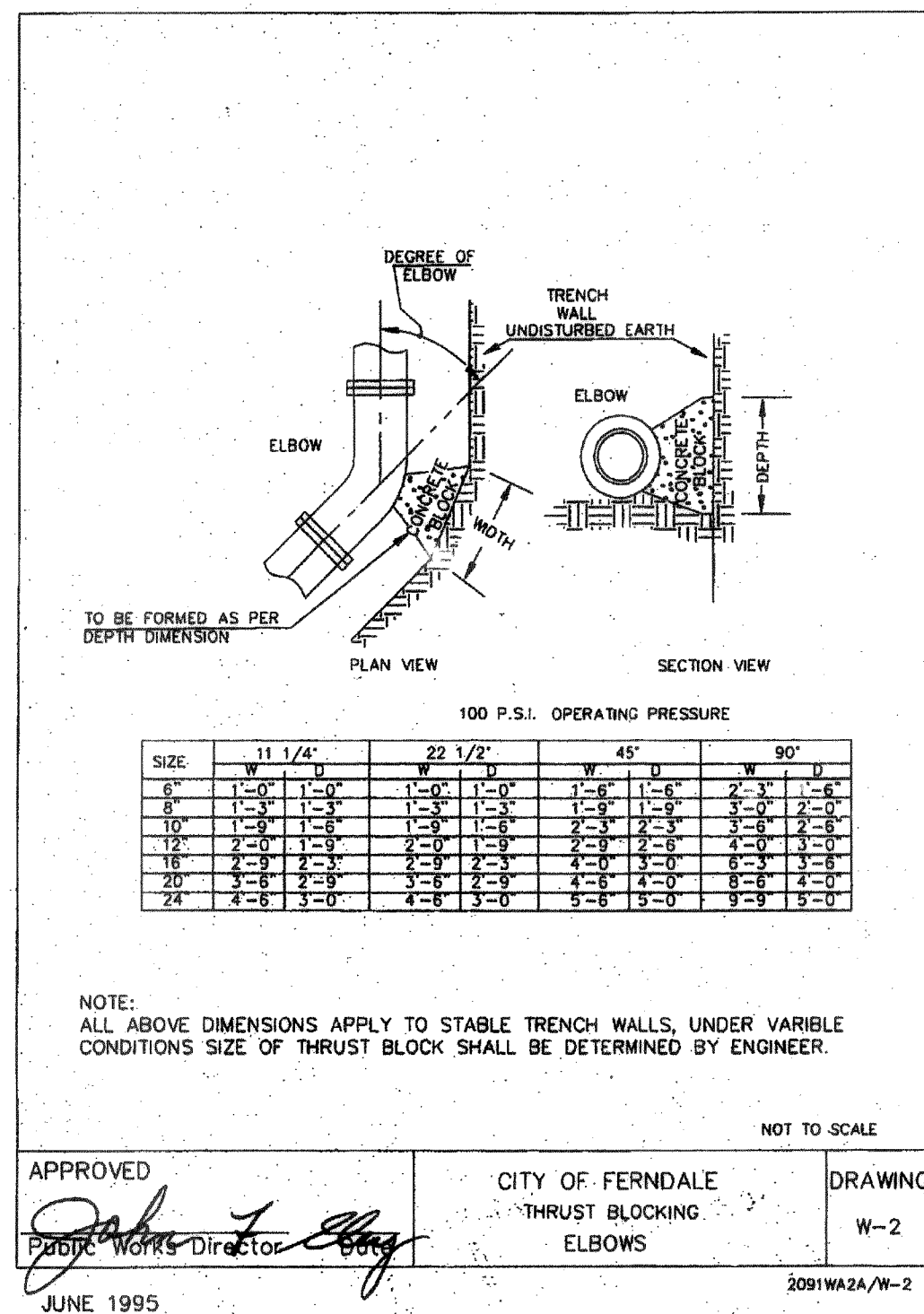
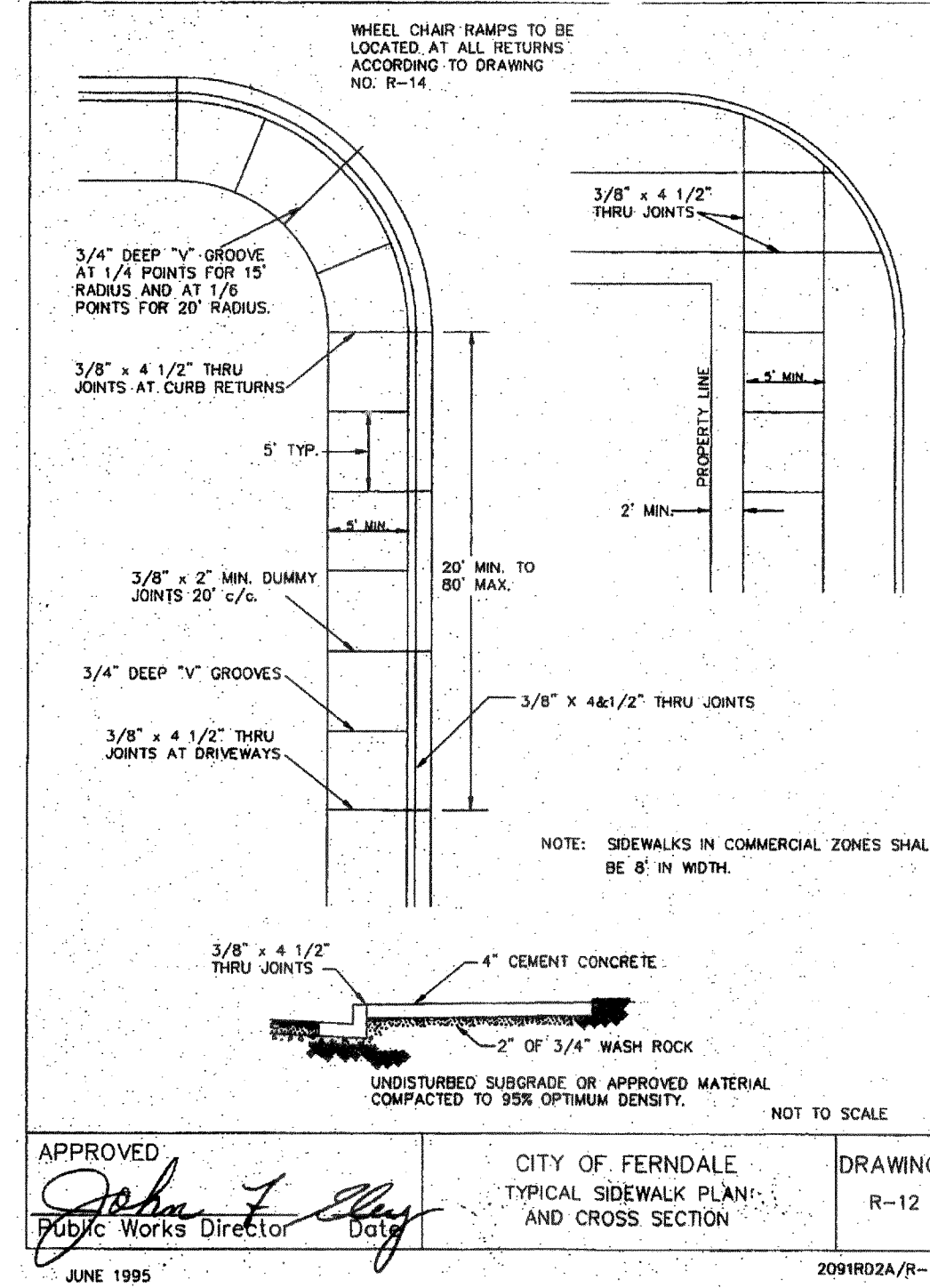
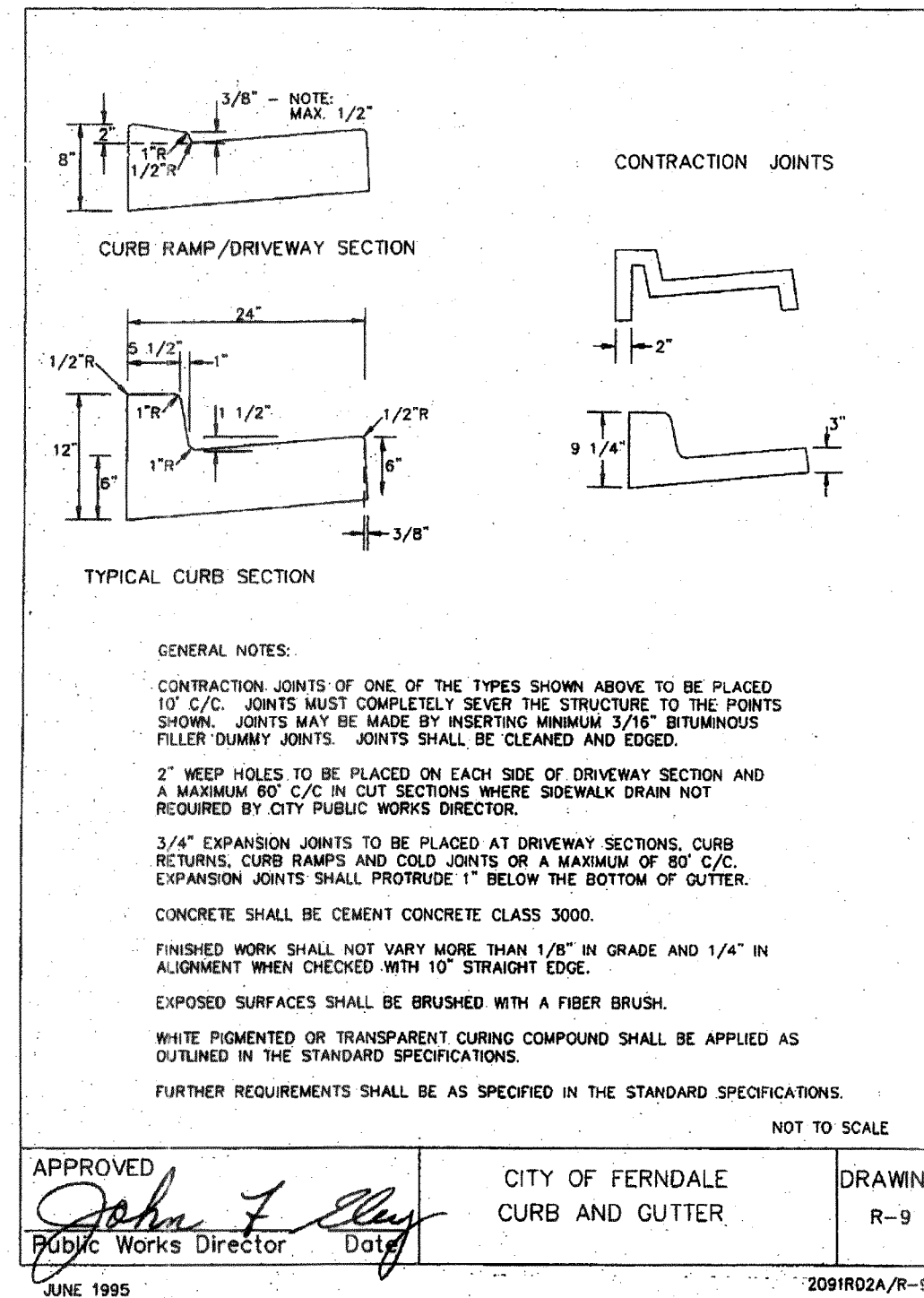
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SECTION A - A  
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V. SCALE: 1"=5'



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4				

AS-BUILT DRAWING 04/12/04

ASSOCIATED PROJECT CONSULTANTS, INC., P.S.  
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1401 ASTOR STREET, BELLINGHAM, WA. 98225  
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A.P.C.  
INCORPORATED

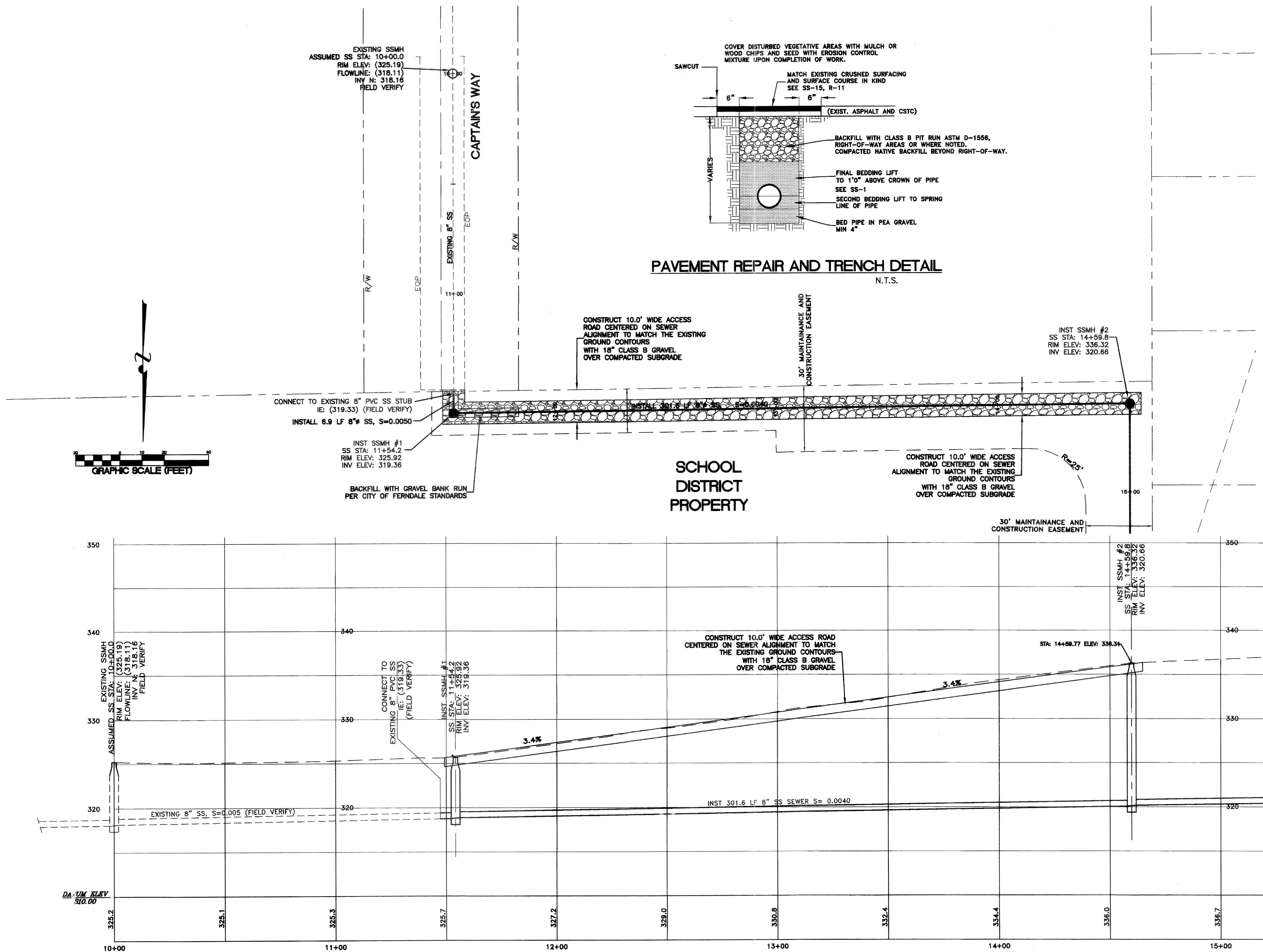
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SHEET: 9  
TITLE: STANDARD DETAILS

00 204.005 2-13-06 K2



REVISION:	DRAWN BY:	DATE:	CHECKED BY:	DATE:
1 AS-BUILT REVISIONS	NGR	04/12/04	DNC	
2				
3				
4				

VERTICAL DATUM  
CITY OF FERNDALE MONUMENT NETWORK, JUNE 2001,  
BM STA. = FERN04, ELEV. 366.05'



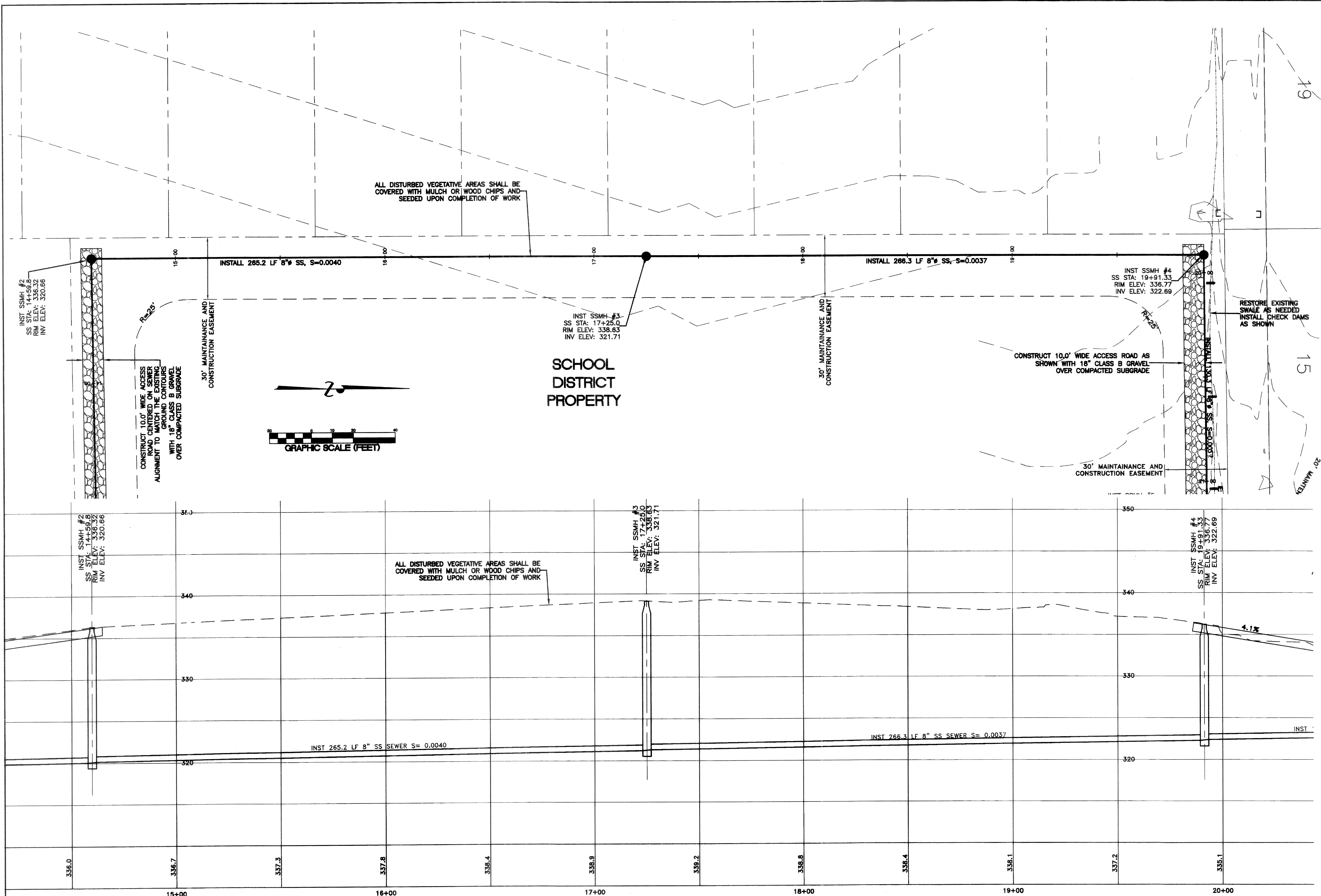
**ASSOCIATED PROJECT CONSULTANTS, INC., P.S.**  
CIVIL ENGINEERS, PROJECT AND LAND USE MANAGEMENT,  
BUILDING, STRUCTURAL, AND ENVIRONMENTAL SERVICES  
1401 ASTOR STREET, BELLINGHAM, WA 98225  
PHONE (360) 671-1146 FAX (360) 671-1169

**A.P.C.**  
INCORPORATED

00 300.000 2:13.00 42

HORIZONTAL SCALE: 1"=20' VERTICAL SCALE: 1"=5' DATE: 05/27/03 NORTH ROTATION: & BASE POINT:	DRAWN BY: NGR APPROVED BY:	CLIENT: CROWN POINT HOLDINGS PROJECT: PACIFIC HIGHLANDS TITLE: OFF-SITE SANITARY SEWER: 10+00 - 15+00	JOB NO.: 00-152 ACAD FILE: Offsite PH B1 SHEET: 6 OFF: 9
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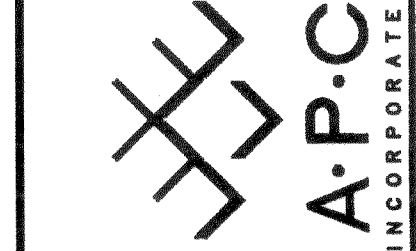
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2				
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VERTICAL DATUM  
CITY OF FERNDALE MONUMENT NETWORK, JUNE 2001,  
BM STA. = FERN04, ELEV. 366.05'

*Robert Clark*

AS-BUILT DRAWING 04/12/04

ASSOCIATED PROJECT CONSULTANTS, INC., P.S.  
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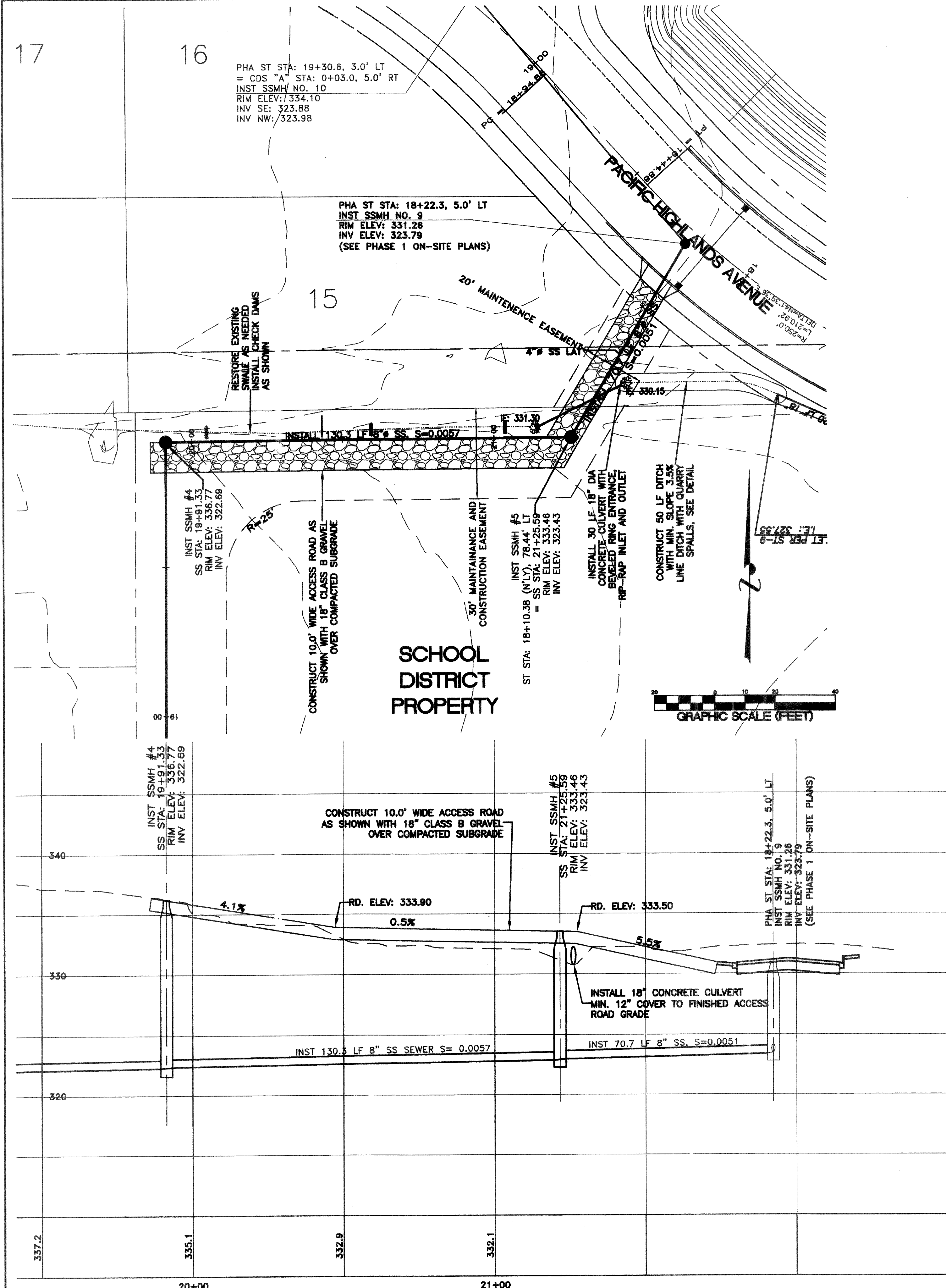
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VERTICAL SCALE: 1"=5'	APPROVED BY:
DATE: 05/27/03	NORTH ROTATION: & BASE POINT:

CLIENT:	CROWN POINT HOLDINGS
PROJECT:	PACIFIC HIGHLANDS
TITLE:	OFF-SITE SANITARY SEWER: 15+00 - 20+00
JOB NO.:	00-152
ACAD FILE:	Offsite PH1 B1
SHEET:	7
OF:	9

2746  
SEAL  
DOUGLAS N. CAMPBELL  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WASHINGTON  
2794  
EXPIRES 10/1/04

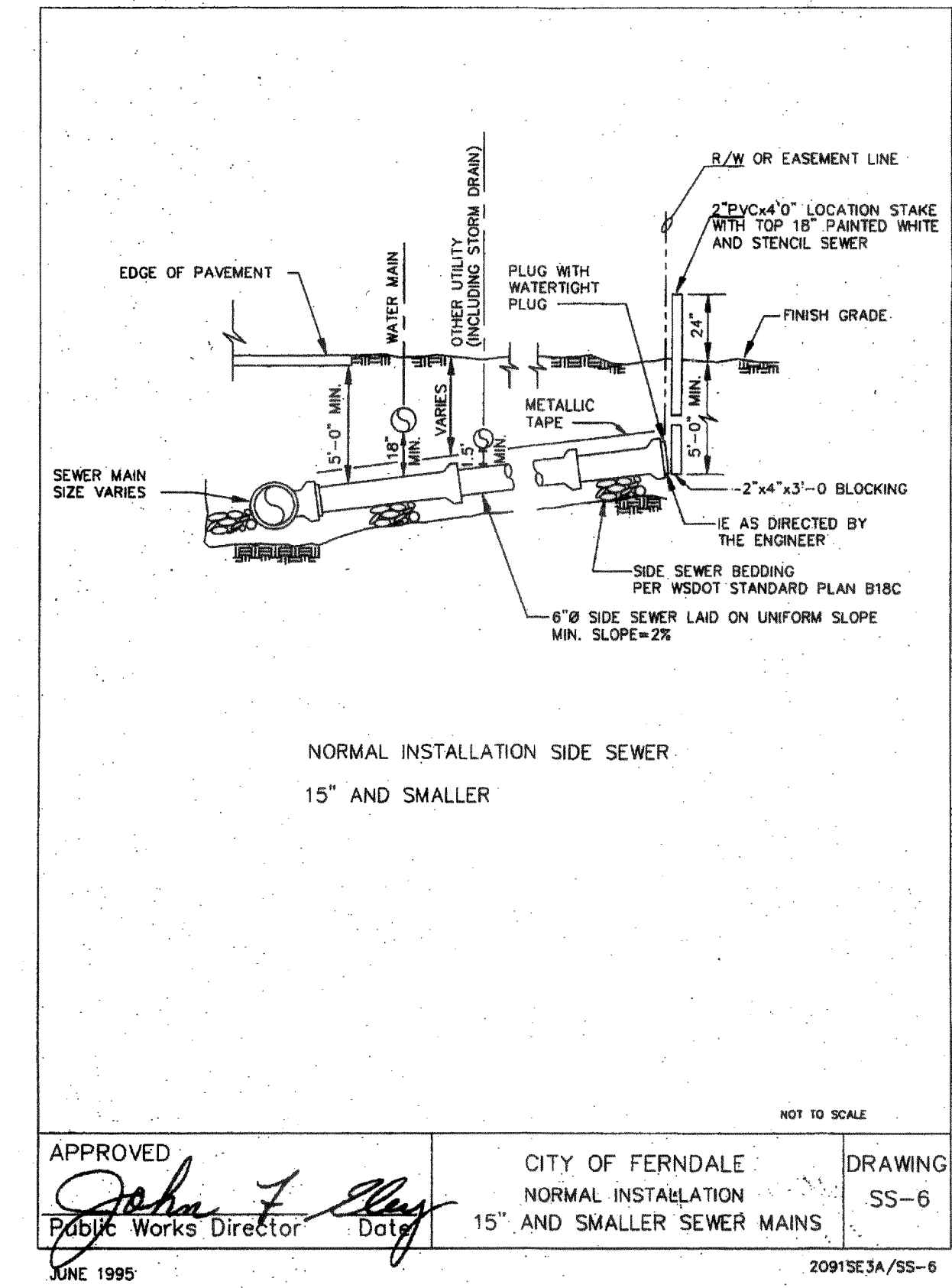
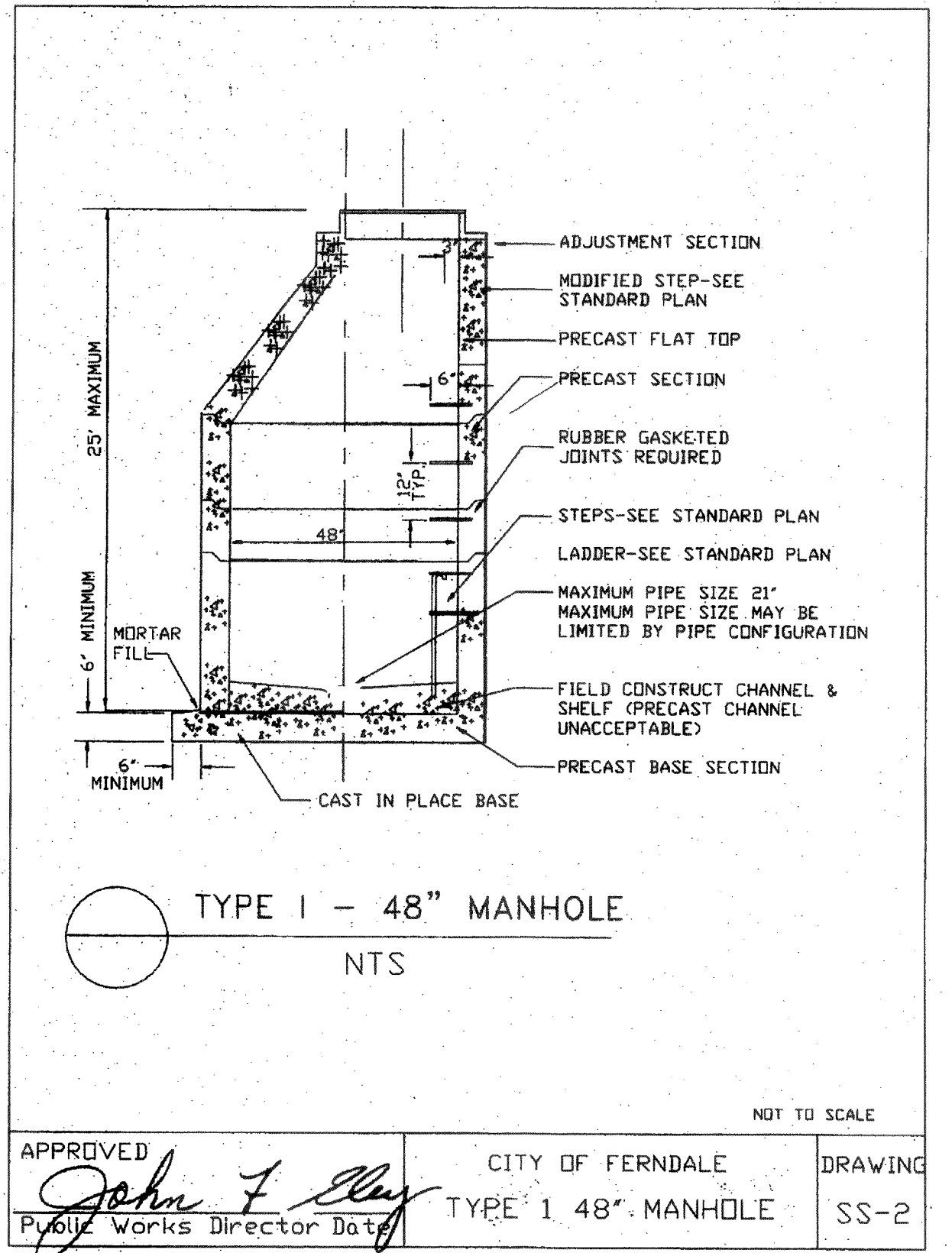
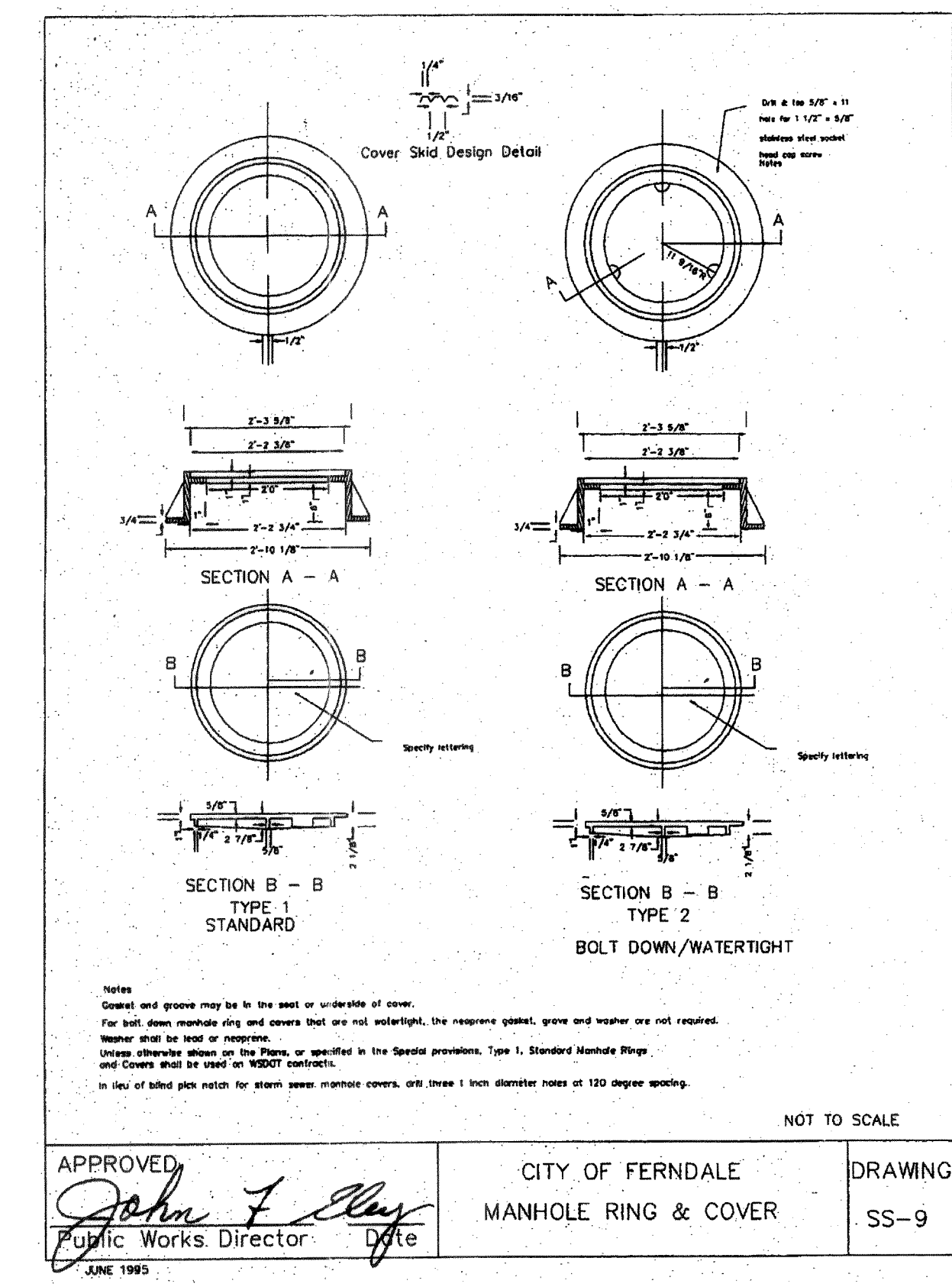
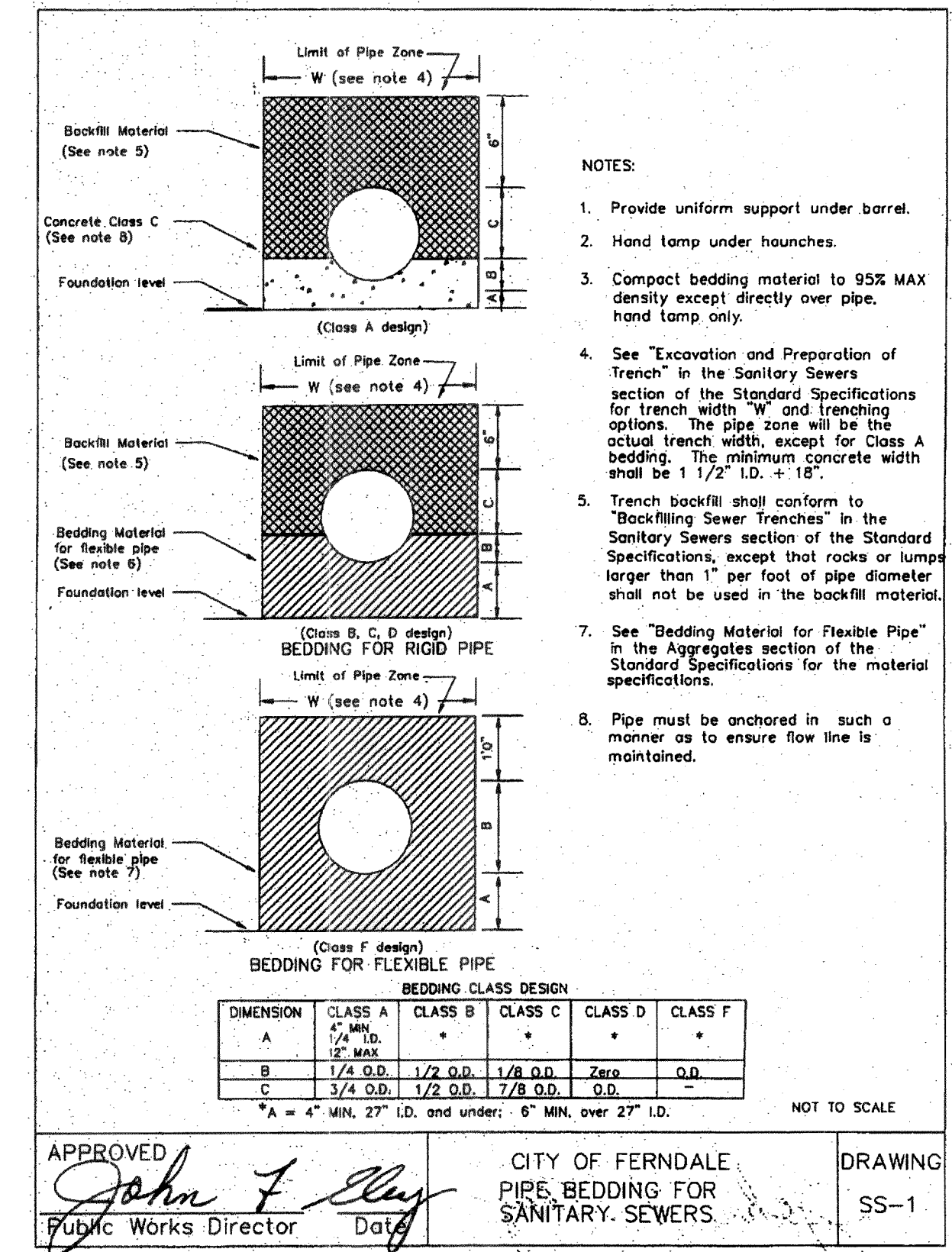
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REVISION:				
1	AS-BUILT REVISIONS	DRAWN BY:	DATE:	CHECKED BY:
2		NGR	04/12/04	JNC
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VERTICAL DATUM  
CITY OF FERDALE MONUMENT NETWORK, JUNE 2001,  
BM STA. = FERN04, ELEV. 366.05'



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HORIZONTAL SCALE: 1"=20'  
VERTICAL SCALE: 1"=5'

DATE: 05/27/03  
NORTH: ROTATION: & BASE POINT:

CLIENT: 00-152  
ACAD FILE: Offsite PH1 B1

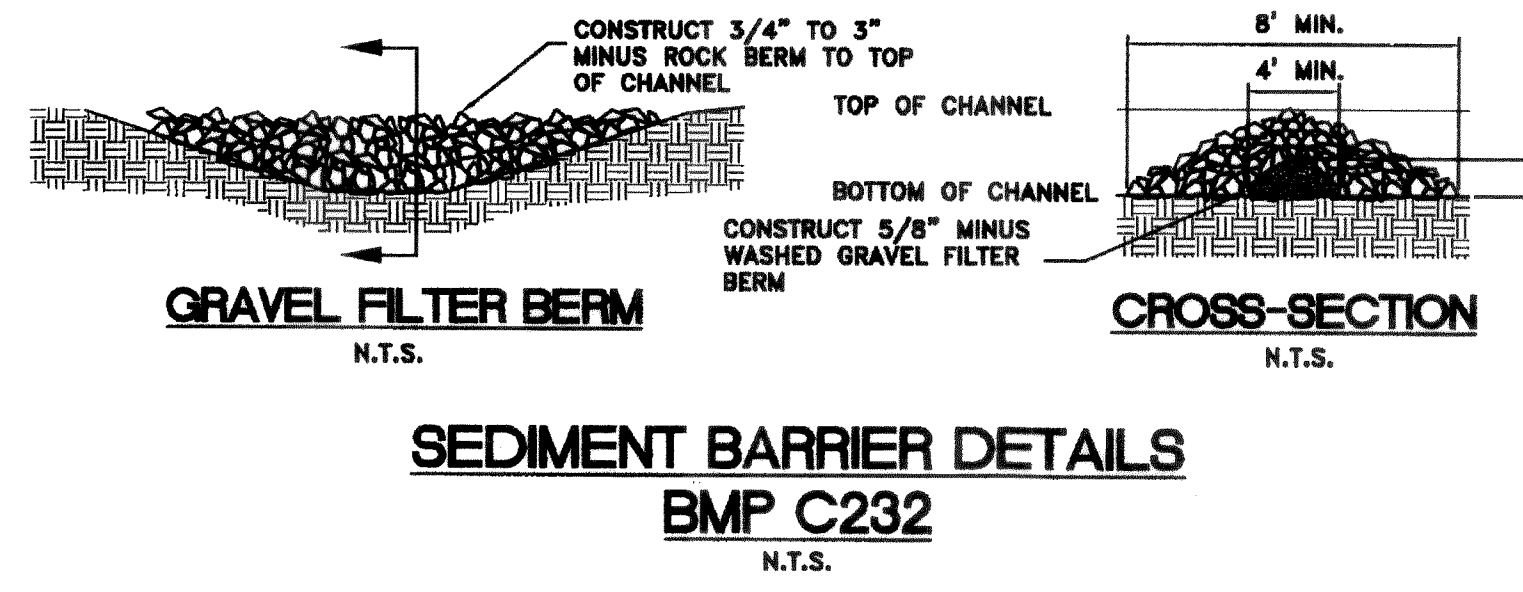
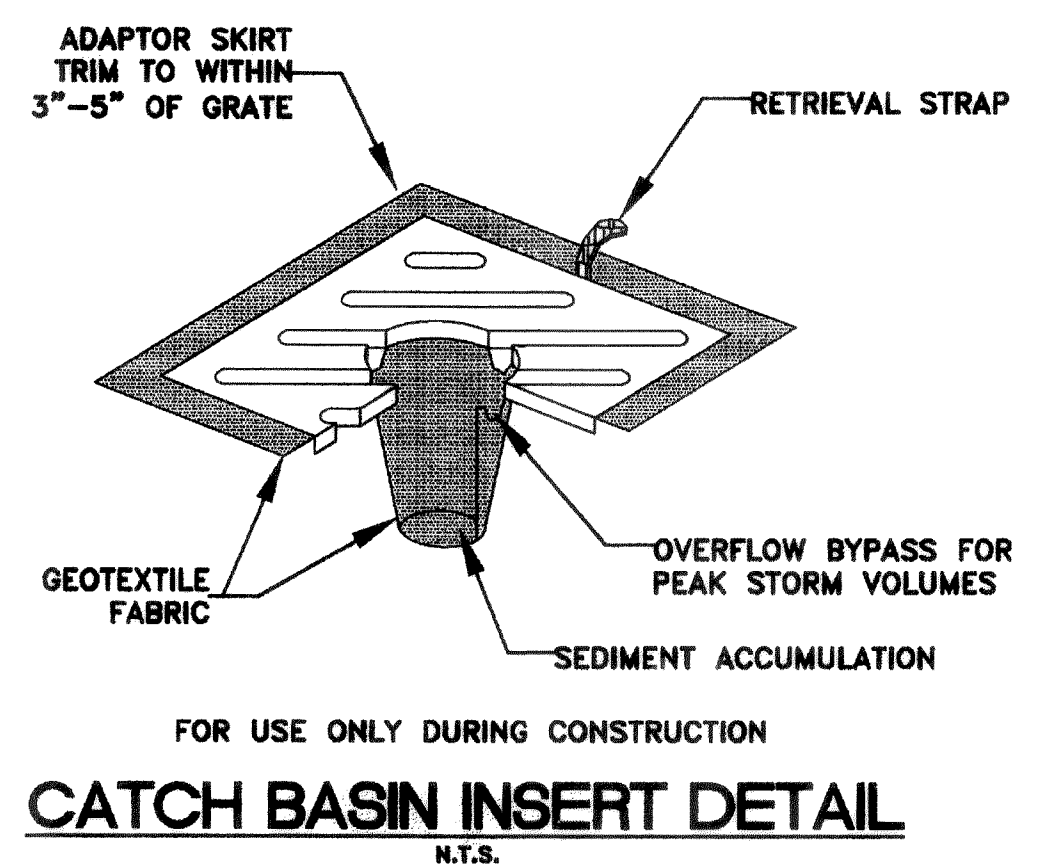
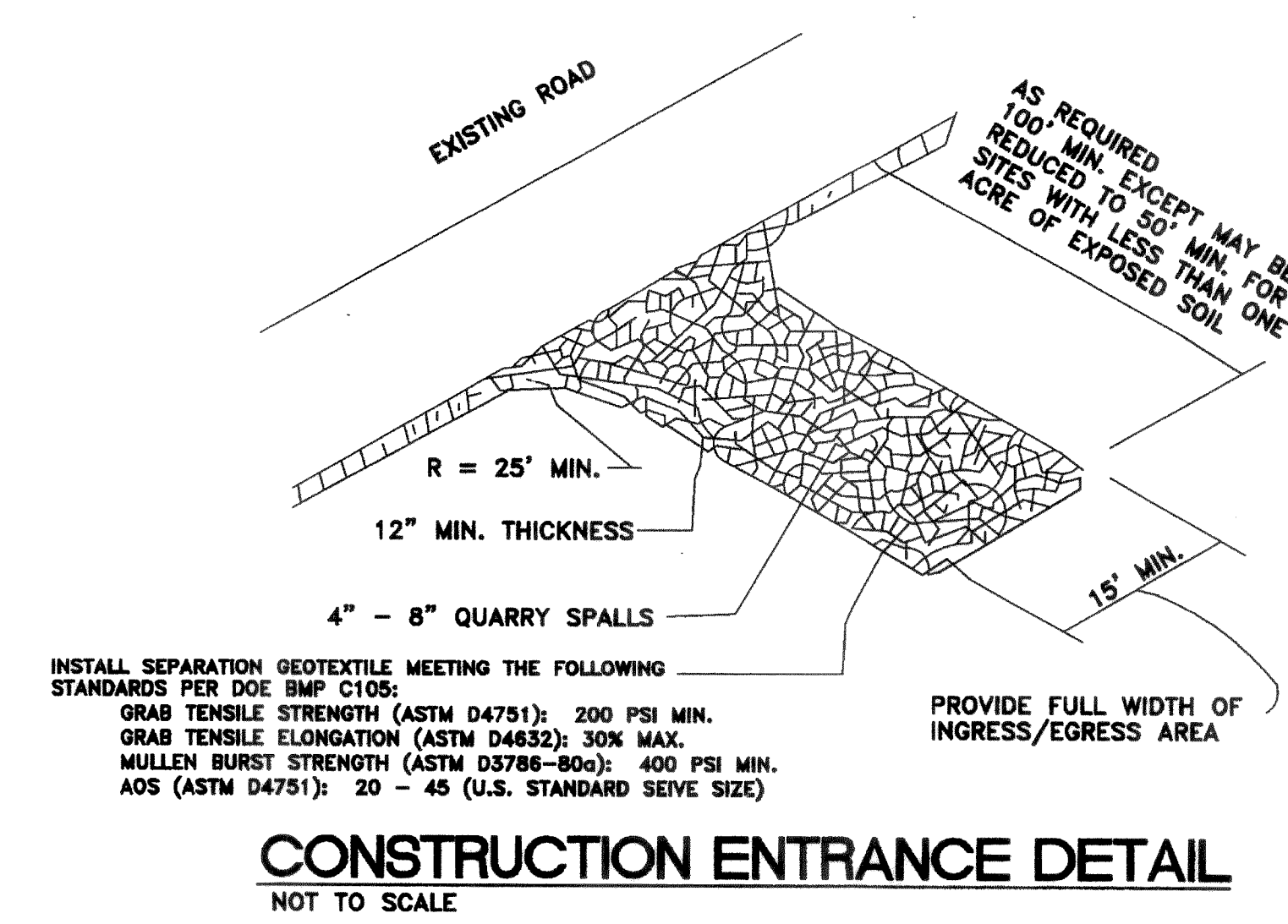
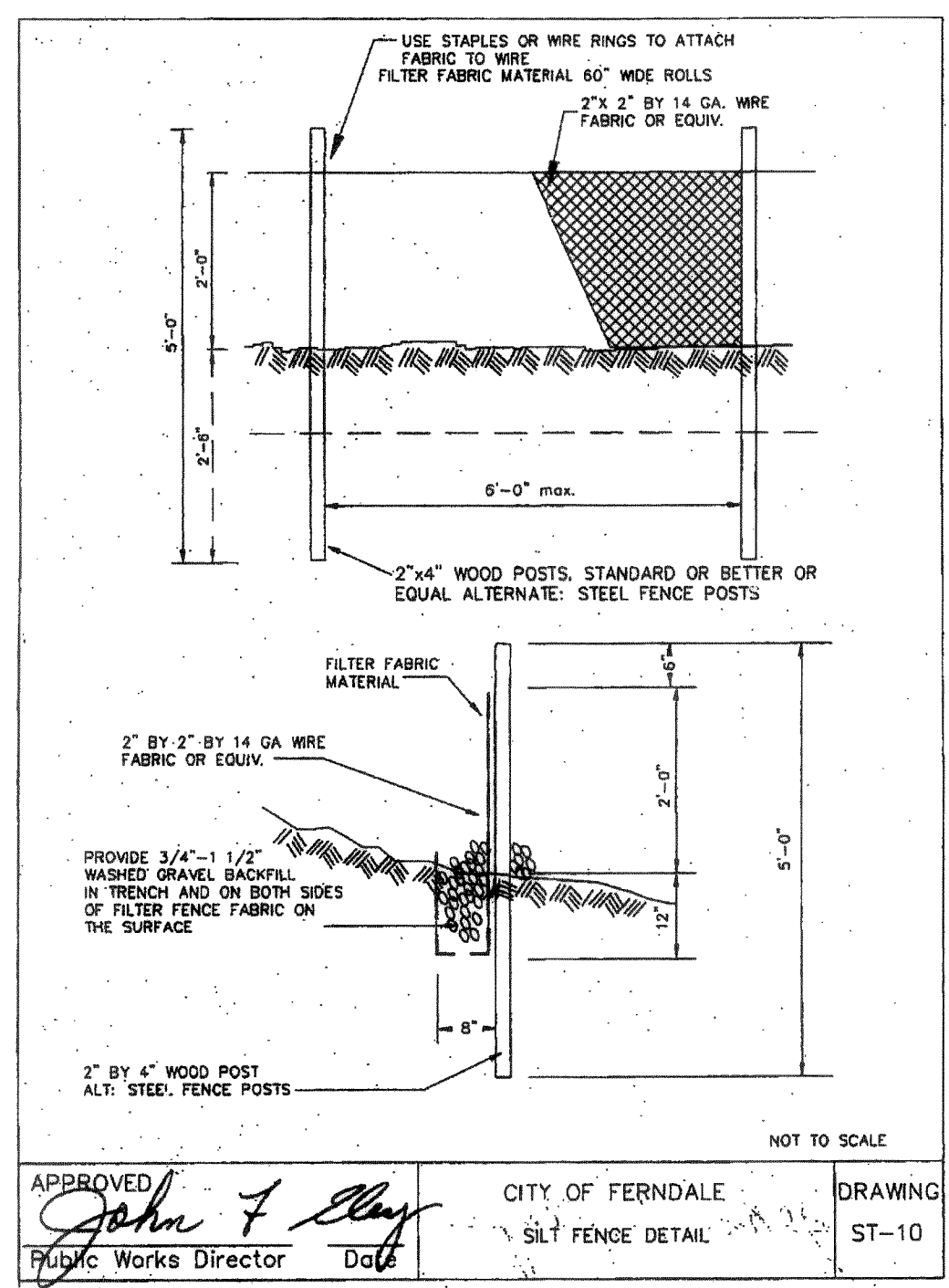
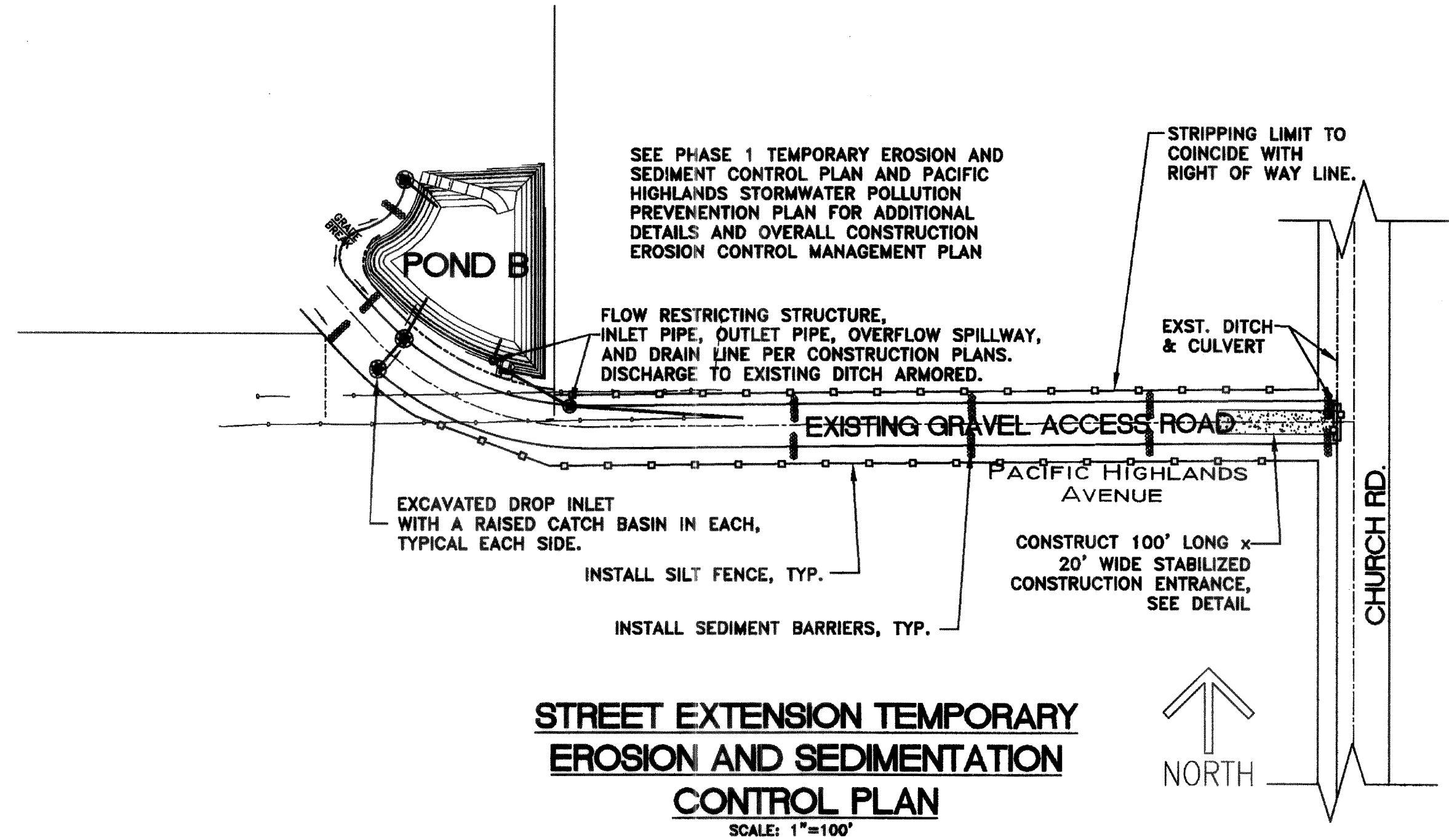
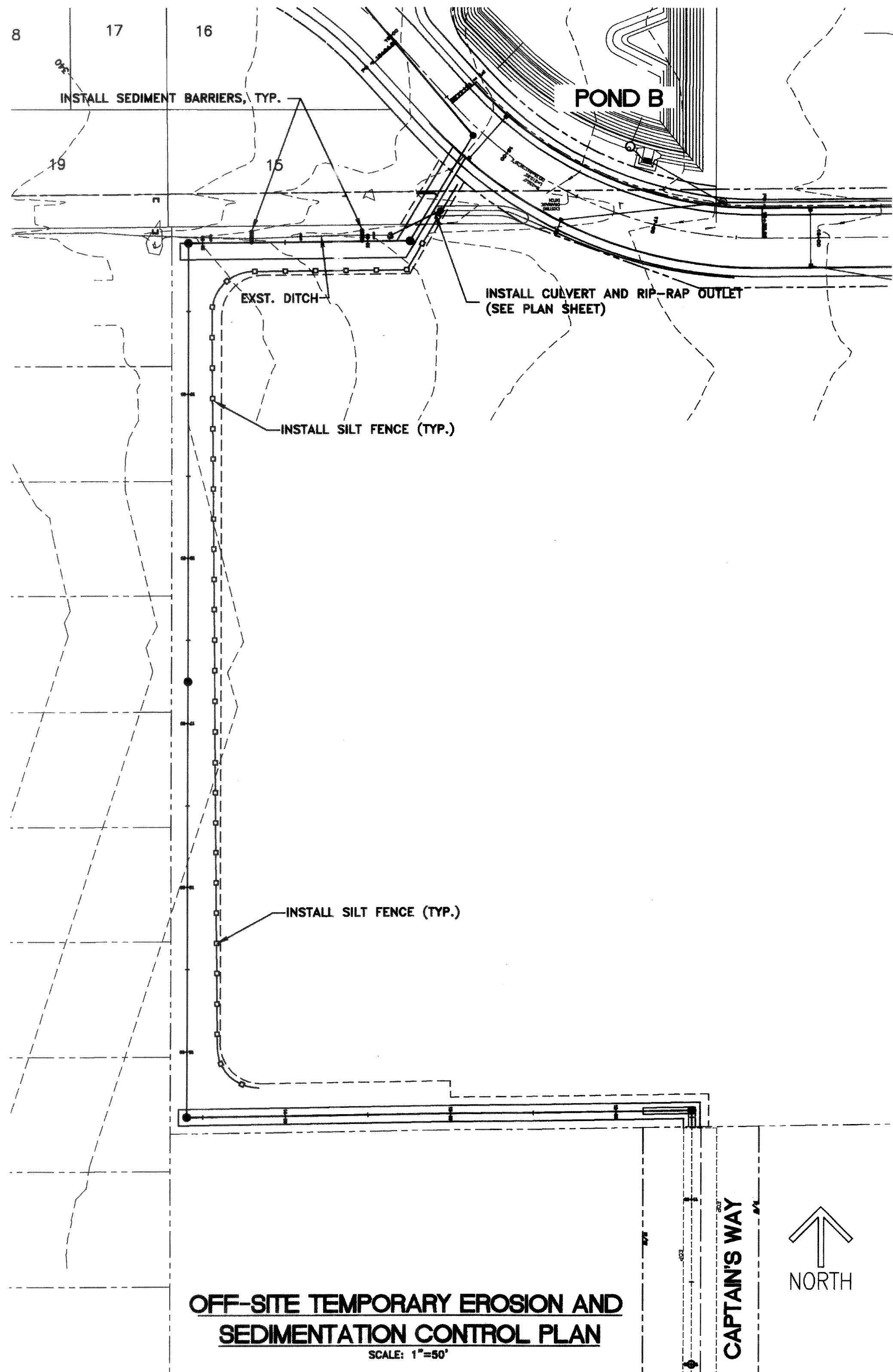
PROJECT: 8

SHEET: 9

TITLE: OFF-SITE SANITARY SEWER: 20+00 - ON-SITE CONNECTION

00 304 008 2.13.06 MR





REVISION:	DRAWN BY:	DATE:	CHECKED BY:	DATE:
1 AS-BUILT REVISIONS	NGR	04/12/04	INC	
2				
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AS-BUILT DRAWING 04/12/04

**ASSOCIATED PROJECT CONSULTANTS, INC., P.S.**  
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**A.P.C.**  
 INCORPORATED

HORIZONTAL SCALE: AS NOTED VERTICAL SCALE: AS NOTED DATE: 6/25/03 NORTH ARROW: AS SHOWN	DRAWN BY: NGR APPROVED BY: DATE: NORTH ARROW: AS SHOWN	<b>CROWN POINT HOLDINGS</b> <b>PACIFIC HIGHLANDS - OFF-SITE IMPROVEMENTS</b> <b>EROSION CONTROL PLAN AND DETAILS</b>
JOB NO.: 00-152 ACAD FILE: Offsite PH1 B1	<b>9</b>	<b>9</b>