

# FERNDALE MONTESSORI SCHOOL

## ACCESS ROADWAY

### GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 1996 WSDOT/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, CURRENT EDITION AND THE CITY OF FERNDALE DEVELOPMENT STANDARDS (DEVELOPMENT STANDARDS) AND SHALL BE SUBJECT TO APPROVAL BY APPROVAL BY CITY OF FERNDALE DEPARTMENT OF PUBLIC WORKS (PUBLIC WORKS).
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH PUBLIC WORKS A MINIMUM OF 3 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.
- A REVOCABLE ENCROACHMENT PERMIT SHALL BE OBTAINED PRIOR TO COMMENCING WORK IN THE RIGHT-OF-WAY.
- CONTRACTOR SHALL CONTACT UTILITY LOCATION SERVICE AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION AT 1-800-454-5555.
- A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- THE CONTRACTOR SHALL PROVIDE ALL APPROPRIATE TESTS REQUIRED BY THE DEVELOPMENT STANDARDS. THESE TESTS SHALL INCLUDE (AT A MINIMUM):
  - CURB/GUTTER, SIDEWALK, ROADWAY BASE COMPACTION - MINIMUM 1 TEST EVERY 3 STATIONS, 1 TEST PER CATEGORY, OR AT THE DIRECTION OF PUBLIC WORKS.
  - CONCRETE CYLINDER COMPRESSION - 1 CYLINDER EVERY THIRD LOAD.
  - A.C. PAVING DENSITY.
- THE CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT ALL WORK IS INSPECTED BY A REPRESENTATIVE OF PUBLIC WORKS IN FULL ACCORDANCE WITH CHAPTER 3 OF THE DEVELOPMENT STANDARDS. THE CONTRACTOR SHALL COORDINATE WITH PUBLIC WORKS AND THE ENGINEER TO INSURE INSPECTION. CALL AT LEAST 24 HOURS IN ADVANCE FOR PUBLIC WORKS INSPECTION. IN ADDITION TO THE REQUIREMENTS OF THE DEVELOPMENT STANDARDS, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO ASSURE INSPECTION IMMEDIATELY AFTER:
  - PLACEMENT OF TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES
  - PLACEMENT OF WATER LINE AND BACKFILLING OF WATER LINE WITHIN ROAD RIGHT-OF-WAY.
  - PLACEMENT AND BACKFILLING OF UNDERGROUND UTILITIES, STORM SEWER AND SANITARY SEWER WITHIN ROAD RIGHT-OF-WAY.
  - ROADWAY GRADING AT:
    - COMPLETION OF SUBGRADE.
    - COMPLETION OF BALLAST
    - COMPLETION OF CRUSHED SURFACING.
  - POURING OF CURB/GUTTER AND SIDEWALK.
  - ASPHALT PAVING IN PROGRESS.
  - OVERALL INSPECTION FOR FINISHED SHOULDERS, DITCHES, PERMANENT SEEDING AND MONUMENT PLACEMENT.
  - END OF MAINTENANCE PERIOD.
- CONTRACTOR SHALL RESTORE ALL PRIVATE AND PUBLIC PROPERTY DISRUPTED BY THE PROJECT IMMEDIATELY AFTER CONSTRUCTION.
- ALL HARD SURFACED PAVEMENTS MUST BE REPAIRED AT THE CLOSE OF EACH WORK DAY. THE REPAIRS CAN BE TEMPORARY WITH ASPHALT COLD MIX OR PERMANENT WITH CLASS B ASPHALT. ALL REPAIRS SHALL BE ACCORDING TO DEVELOPMENT STANDARDS. AT A MINIMUM PERMANENT REPAIRS MUST REPAIR THE HARD SURFACE IN KIND.
- ALL CUT AND FILL SLOPES SHALL BE SEEDED AND FERTILIZED FOR EROSION CONTROL. CONTRACTOR SHALL BE RESPONSIBLE FOR SLOPE EROSION UNTIL VEGETATION IS FIRMLY ESTABLISHED.
- CONTRACTOR SHALL INFORM THE ENGINEER AND OBTAIN APPROVAL FROM PUBLIC WORKS OF ANY PROPOSED CHANGES IN PLAN PRIOR TO CONSTRUCTION OF THAT CHANGE. CONTRACTOR SHALL KEEP RECORD OF DEVIATIONS AND FORWARD TO THE ENGINEER AND PUBLIC WORKS.
- TRAFFIC CONTROL TO BE MAINTAINED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 1-07.23.
- CONTRACTOR SHALL POST A MAINTENANCE SECURITY AS REQUIRED BY PUBLIC WORKS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE ENGINEER TO ASSURE ACCURATE AND TIMELY COLLECTION OF ALL REQUIRED AS-BUILT DATA. THESE DATA MUST ACCURATELY REFLECT THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES, BOTTOM OF PIPE ELEVATIONS, INVERT ELEVATIONS, MANHOLE LOCATIONS, BLOW-OFF LOCATIONS AND INVERTS OF SERVICE CONNECTIONS (BOTH AT PIPE AND AT PROPERTY LINE), VERTICAL AND HORIZONTAL BENDS, SERVICE BOXES AND METERS, VALVES, AND HYDRANTS. CALL AT LEAST 48-HOURS BEFORE BURYING UNDERGROUND PIPE TO ASSURE AND FACILITATE REQUIRED AS-BUILT SURVEY. ENGINEER WILL PROVIDE CERTIFIED AS-BUILT MYLARS TO PUBLIC WORKS UPON PROVISIONAL ACCEPTANCE OF ROAD AND UTILITY IMPROVEMENTS.
- NOT ALL EXISTING UTILITIES OF RECORD MAY BE SHOWN IN THE PLANS. THESE ARE SHOWN FOR CONVENIENCE ONLY, AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR IMPROPER LOCATIONS OR FAILURE TO SHOW UTILITY LOCATIONS IN THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE.
- THE CONSTRUCTION OF UNDERGROUND UTILITY LINES SHALL BE SUBJECT TO THE FOLLOWING CRITERIA:
  - WHERE FEASIBLE, NO MORE THAN 500 FEET OF TRENCH SHALL BE OPENED AT ONE TIME.
  - WHERE CONSISTANT WITH SAFETY AND SPACE CONSIDERATIONS, EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF DITCHES.
  - TRENCH DEWATERING DEVICES SHALL DISCHARGE INTO SEDIMENT TRAPS/SEDIMENT PONDS

### ROADWAY NOTES

- GRAVEL BASES AND BALLAST MAXIMUM PARTICLE SIZE PASSING THE U.S. NO. 200 SIEVE SHALL NOT EXCEED 5%.
- BALLAST, GRAVEL BASE AND CRUSHED SURFACING SHALL BE COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY (MODIFIED PROCTOR).
- SOIL RESIDUAL HERBICIDE SHALL BE PLACED WITHIN 24 HOURS OF PAVING.
- A TACK COAT OF ASPHALT SHALL BE APPLIED BETWEEN ALL COURSES OF ASPHALT.
- ALL PAVEMENT REPAIR SHALL BE SAW-CUT BEFORE REMOVAL. AR-4000W SHALL BE APPLIED TO ALL EDGES OF EXISTING PAVEMENT.
- ASPHALT CONCRETE PAVEMENT SHALL NOT BE PLACED NOR COMPACTED DURING HOURS OF DARKNESS.

### STORM DRAINAGE NOTES

- STORM PIPE SHALL BE APPROVED MATERIAL AND OF THE SIZE NOTED ON THE PLANS.
- CONTRACTOR SHALL RIP RAP ALL CULVERT INLETS AND OUTLETS.
- ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT 7-02.3(1). THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL AND ANY REQUIRED PIPE BEDDING, TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.
- ALL DRIVEWAY CULVERTS LOCATED WITHIN THE RIGHT-OF-WAY SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 2:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE BOTTOM OF THE DITCH. CULVERTS SHALL HAVE BEVELED END SECTIONS TO MATCH THE SIDE SLOPE.
- ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF ONE FOOT AND MUST MEET THE FOLLOWING SPECIFICATIONS: 5"-8" ROCK/40%-70% PASSING; 2"-4" ROCK/30%-40% PASSING; AND 2-INCH ROCK/10%-20% PASSING.

### EARTHWORK NOTES

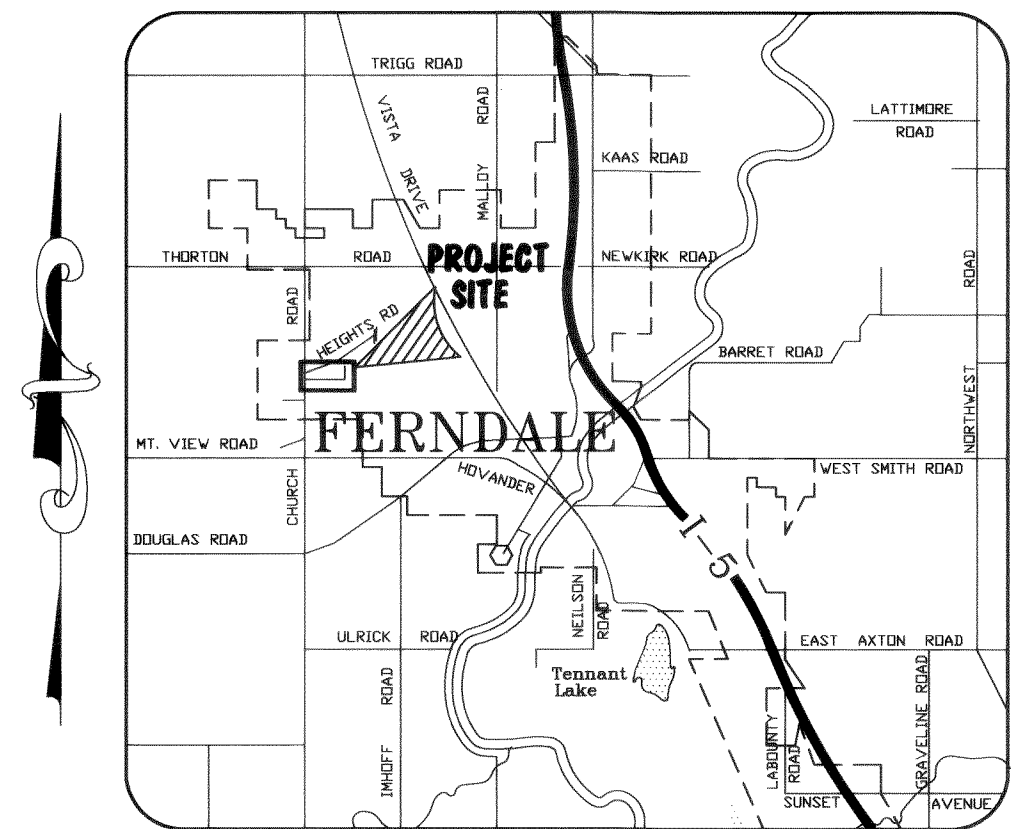
- CLEAR, GRUB AND CLEAN THOSE AREAS SHOWN ON THE PLANS.
- RAZE, REMOVE AND DISPOSE OF ALL BUILDING AND FOUNDATIONS, STRUCTURES, FENCES AND ANY OTHER OBSTRUCTIONS THAT LIE WHOLLY OR PARTIALLY WITHIN THE PROJECT LIMITS.
- EXCAVATE AND GRADE TO THE ALIGNMENT, GRADE AND CROSS-SECTIONS SHOWN IN THE PLANS OR ESTABLISHED BY THE ENGINEER.
- MAXIMUM DENSITY AND OPTIMUM MOISTURE FOR GRANULAR MATERIALS WILL BE DETERMINED USING ASTM D-1557 TEST METHOD.
- UNSUITABLE MATERIAL NOT FIT FOR ON-SITE OR SUBGRADE USE SHALL BE EXCAVATED BOUNDARIES SET BY THE ENGINEER, DISPOSED OF OFF-SITE TO A CONTRACTOR SUPPLIED DUMP SITE AND REPLACED WITH A SUITABLE BACKFILL MATERIAL.
- MAINTAIN POSITIVE DRAINAGE AT ALL POINTS WITHIN THE PROJECT.

### SHEET INDEX

- COVER SHEET/GENERAL NOTES
- EAST ACCESS ROAD
- NORTH ACCESS ROAD

### LEGEND

- = FND REBAR AND PLAST. CAP (ROCKEY PLS # 11693)
- = FND #5 REBAR AND CAP PLS#18927
- = FND NAIL AND TAG
- = SET REBAR AND CAP PLS#24218
- ⊕ = 2"Ø PVC VERTICAL STANDING PIPE
- ⚡PP = EXISTING POWER POLE
- 🌳 = EXISTING LANDSCAPE BUSH
- ⊠ = EXISTING WATER METER
- ⊠G.M. = EXISTING GAS METER
- ⊠ = EXISTING ELEC. METER
- = PROPOSED STORM DRAIN CATCH BASIN
- ▲ = PROPOSED FIRE HYDRANT
- ✦ = PROPOSED THRUST BLOCK
- ⋈ = PROPOSED WATER LINE TEE
- ⋈ = PROPOSED WATER LINE VALVE
- ↑ = DRAINAGE FLOW ARROW



VICINITY MAP  
NO SCALE

DEPARTMENT OF PUBLIC WORKS

FERNDALE  
WASHINGTON **APPROVED**

This plan has been reviewed and found  
to be in conformance with department  
standards.

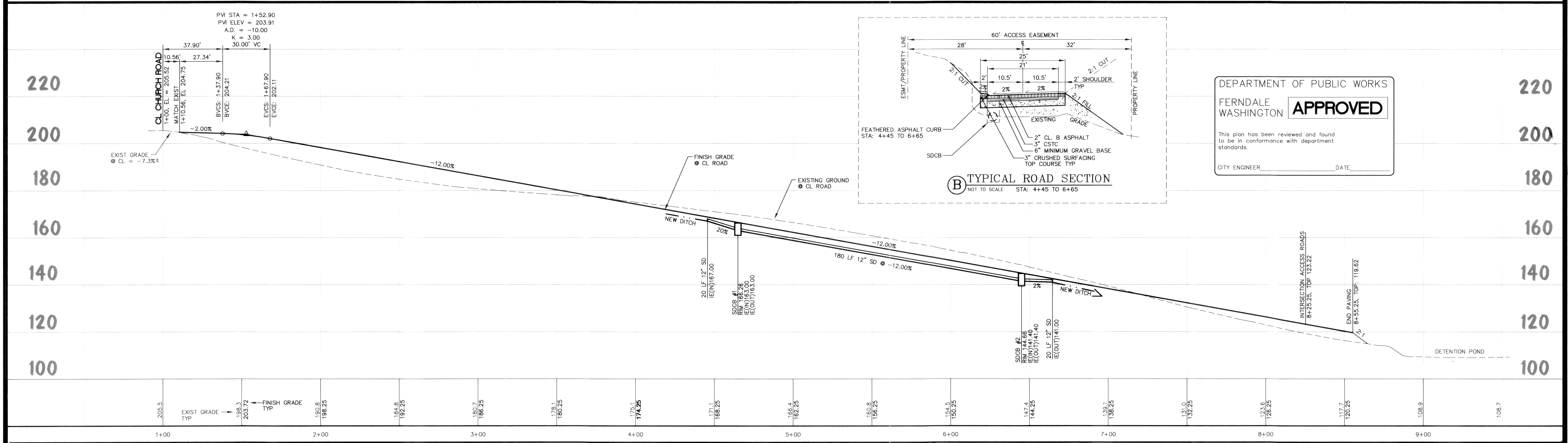
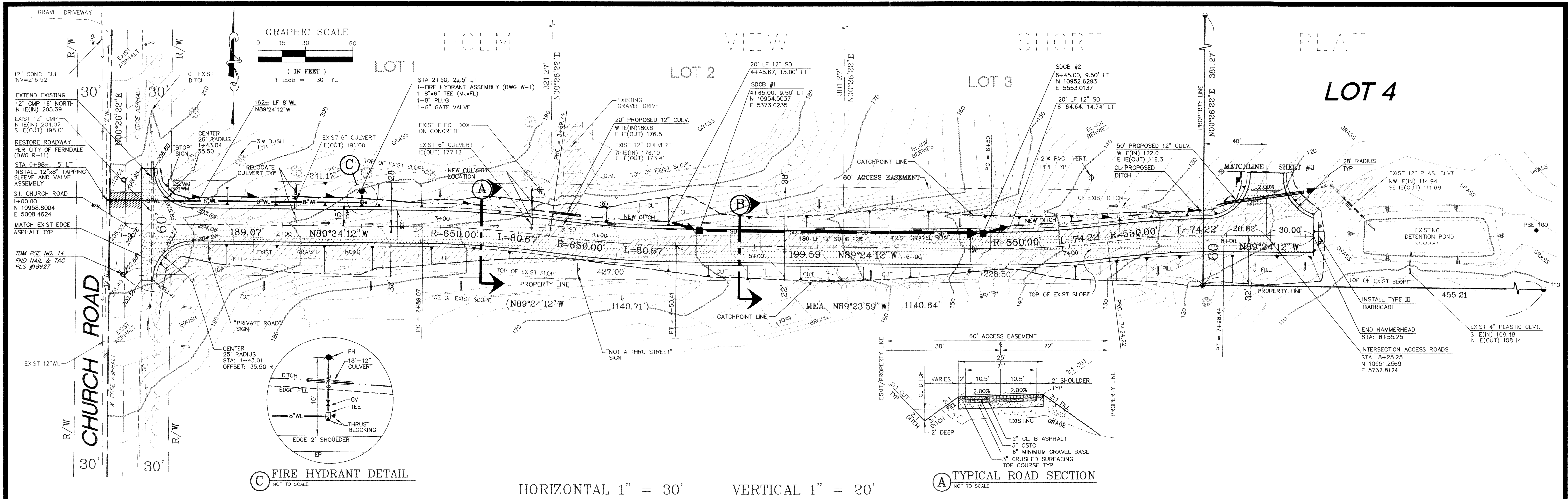
CITY ENGINEER

DATE



**PACIFIC**  
SURVEY & ENGINEERING  
INCORPORATED  
215 WEST HOLLY, SUITE B-25 (DAY ST.)  
PELLINGHAM, WASHINGTON 98125  
PHONE: 671-7267  
FAX LINE: 671-4685  
JOB NO. 97005  
DWG NO. 97005P01  
DATE: 5/20/97  
SCALE: 1"=50'  
DWG BY: JPK





**CALL BEFORE YOU DIG**  
(206) 332-3320  
1-800-424-5555

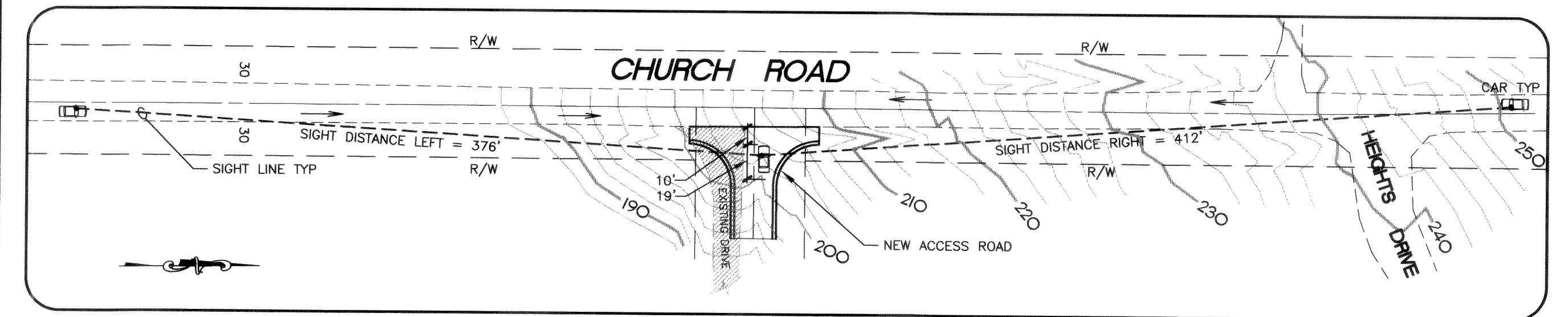
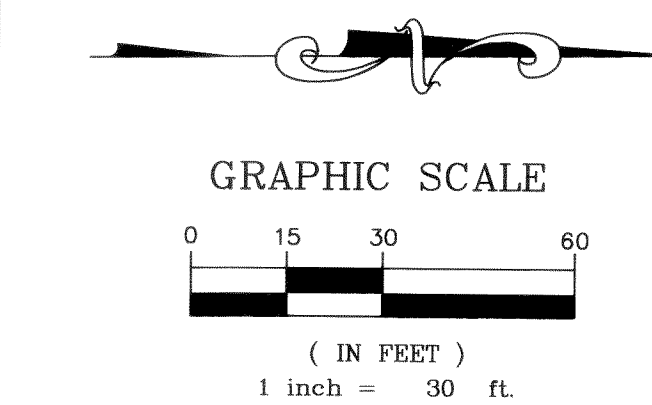
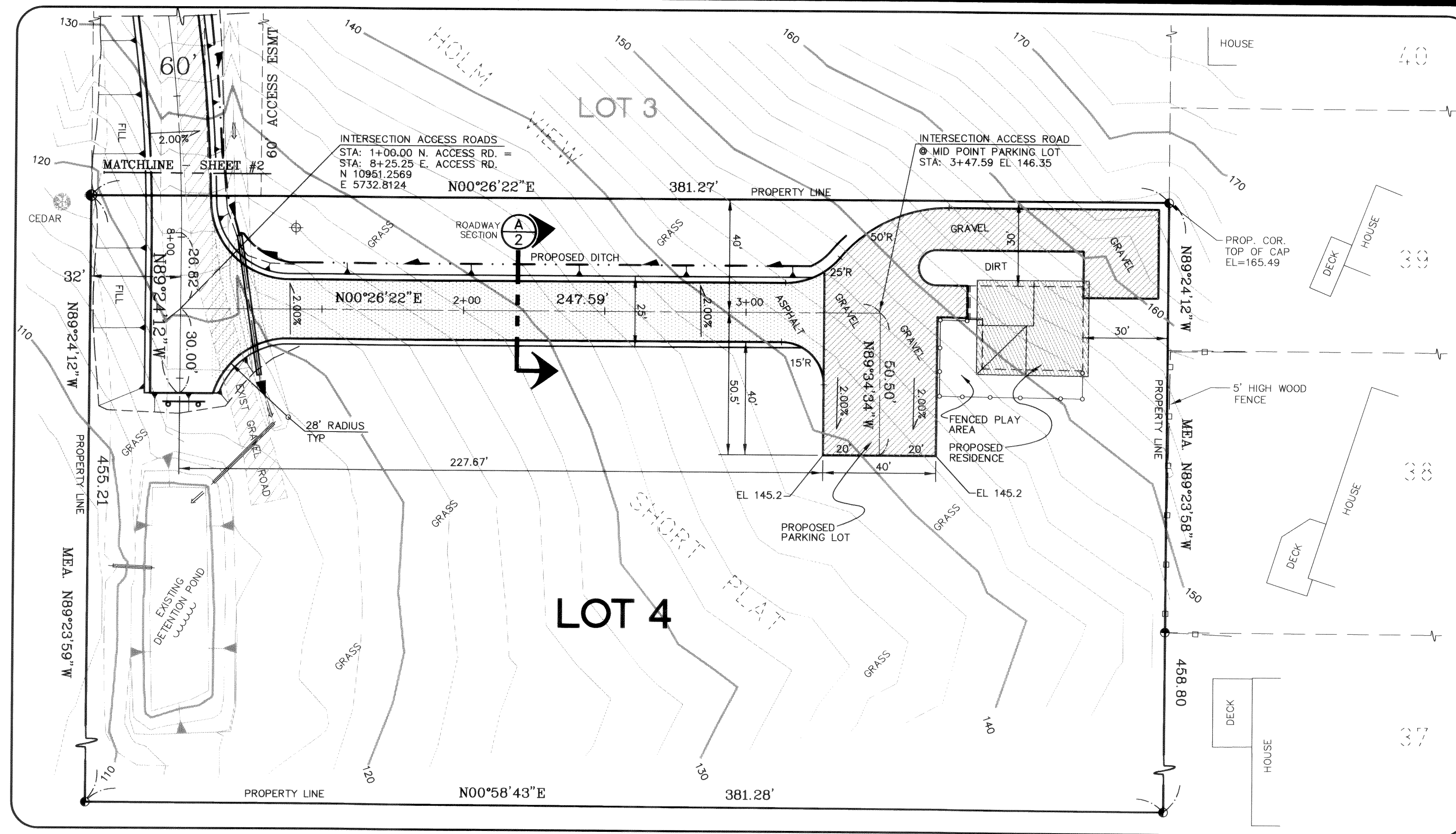
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TOPO #129	PSE 14	CHURCH ROAD	201.52	BASE	3/26/97	1	3/26/97	ADD. ROAD SIGNS, UPDATE ROAD SECTION	JPK
DESIGN #129				TOPOGRAPHY	4/9/97	2	4/9/97	ADD. WATERLINE	JPK
				PROFILE	4/21/97	3	4/21/97	REVISE ALIGNMENT	JPK
				SANITARY SEWER	5/8/97	4	5/8/97	REVISE VERTICAL ALIGNMENT	JPK
				STORM SEWER	5/15/97	5	5/15/97	REVISE VERTICAL ALIGNMENT	JPK
CONTRACTOR				WATER					
INSPECTOR				GAS					
CONSTRUCTION RECORD									

**PACIFIC**  
SURVEY & ENGINEERING  
INCORPORATED  
215 WEST HOLLY, SUITE D-25 (BAY ST.)  
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PHONE: 671-7287  
FAX LINE: 671-4685

**FERDALE MONTESSORI SCHOOL**  
**EAST ACCESS ROAD**  
**PLAN & PROFILE**

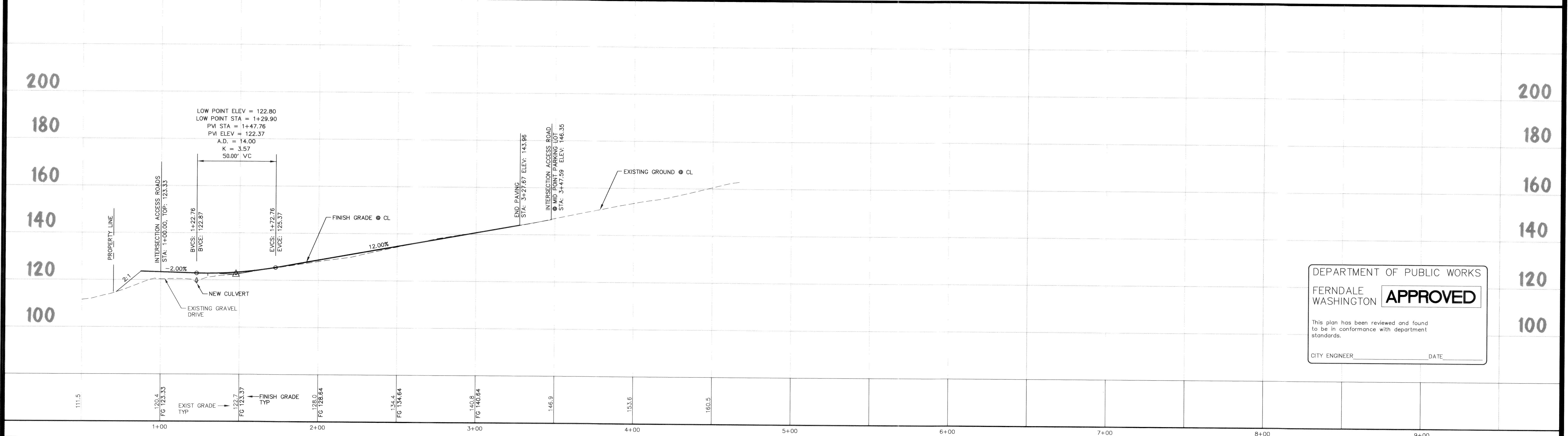
SCALE: HOR 1" = 30' DATE 5/20/97  
VER 1" = 20' JOB/ACCT. NO. 97005  
SHEET 2 of 3





**CHURCH ROAD  
SIGHT DISTANCE DETAIL**  
SCALE: 1" = 60'

HORIZONTAL 1" = 30' VERTICAL 1" = 20'



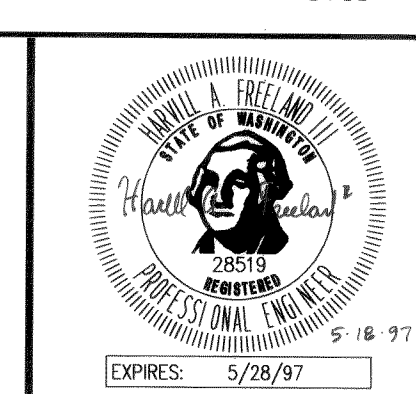
DEPARTMENT OF PUBLIC WORKS  
FERNDALE WASHINGTON **APPROVED**  
This plan has been reviewed and found to be in conformance with department standards.  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

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YOU DIG**  
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FIELD BOOKS	TBM. NO.	LOCATION	ELEV.	DATA	BY	DATE	DESCRIPTION	BY
TOPO #129	PSE 14	CHURCH ROAD	201.52	BASE	JP	5/15/97	REVISE E. ACCESS RD. HOR. ALIGNMENT	JP
DESIGN #129				TOPOGRAPHY	JP			
				PROFILE	JP			
				SANITARY SEWER	JP			
				STORM SEWER	JP			
				WATER				
				GAS				
CONTRACTOR								
INSPECTOR								
CONSTRUCTION RECORD								

REVISIONS	DATE
1	5/15/97

**PACIFIC**  
SURVEY & ENGINEERING  
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215 WEST HOLLY, SUITE B-25 (BAY ST.)  
BELLINGHAM, WASHINGTON 98225  
PHONE: 671-7387  
FAX LINE: 671-4685



**FERNDALE MONTESSORI SCHOOL  
NORTH ACCESS ROAD  
PLAN & PROFILE**  
SCALE: HOR 1" = 30'  
VER 1" = 20'  
DATE 5/20/97  
JOB/ACCT. NO. 97005  
SHEET 3 of 3