

SI ELDRED

CONTRACT DRAWINGS FOR ROADWAY AND UTILITIES IMPROVEMENTS FERNDALE, WASHINGTON SECTIONS 4 & 33, T 39 N, R 2 E

DRAWING INDEX

SHT.NO.	TITLE
1.	COVER SHEET - VICINITY, NOTES, LEGEND
2.	ROADWAY & DRAINAGE IMPROVEMENTS
3.	DETAILS
4.	DETAILS

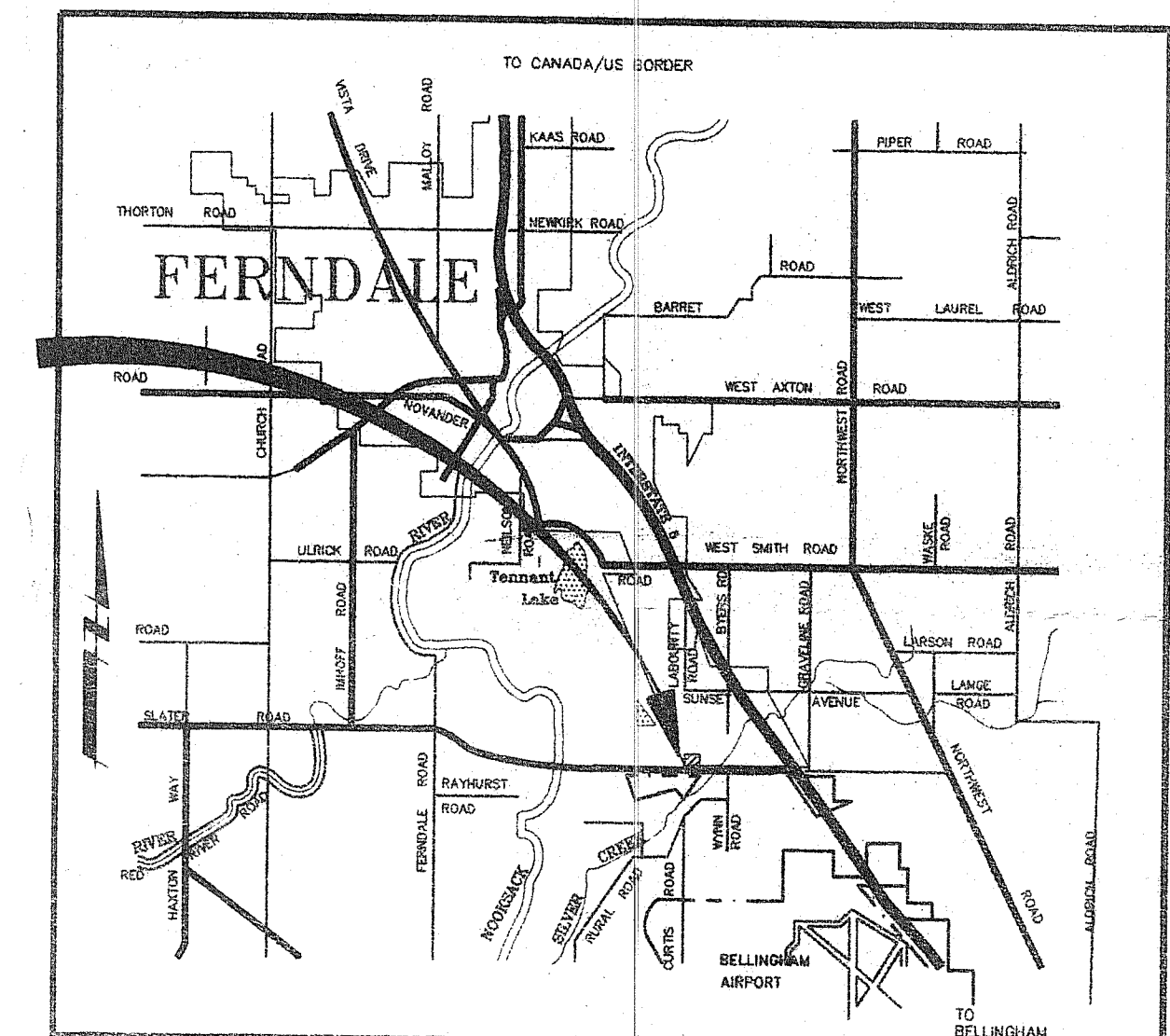
GENERAL NOTES

- THE LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THESE LOCATIONS PRIOR TO CONSTRUCTION.
- ALL WORK SHALL CONFORM TO THE STANDARD PLANS AND SPECIFICATIONS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT), 1991, AND CITY OF FERNDALE STANDARDS UNLESS INDICATED OTHERWISE BY THE CONTRACT DOCUMENTS. IN CASE OF A CONFLICT BETWEEN THE REGULATORY STANDARDS OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT WILL PREVAIL.
- UNDERGROUND UTILITIES ARE KNOWN TO EXIST IN THE AREA OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY OWNERS FOR LOCATIONS AND TO NOTIFY THE ENGINEER PROMPTLY OF ANY CONFLICT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ADJACENT UTILITIES WHICH INCLUDE, BUT ARE NOT LIMITED TO, WATER, SEWER, STORM SEWER, POWER, TELEPHONE, CABLE TV, IRRIGATION, AND STREET LIGHTING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT.

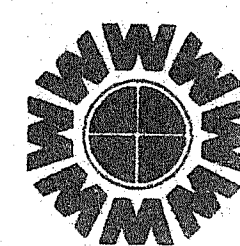
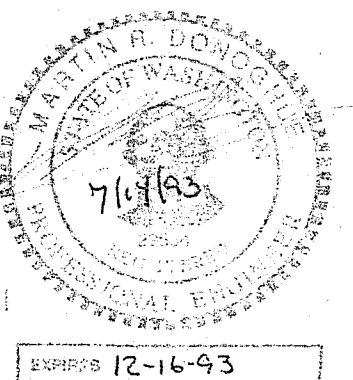
LEGEND

EXISTING	PLAN	PROPOSED
□	CATCH BASIN	■
	CULVERT INVERT	—X—
	DETAIL NUMBER SHEET FOUND	3 3
---W---	WATER LINE	
⊗	STRAW BALE DAM	X-X-X-X
⊕	GATE VALVE	⊕
Δ	HYDRANT	Δ
△	THRUST BLOCK	△
— —	CURB CUT	
⊙	EASEMENT	
⊙	LIGHTING	⊙
—E&F—	LIGHTING TRENCH	—2"—
	ELECTRICAL & UTILITIES TRENCH	
	PROFILE	
	EXISTING GROUND	
	FINISHED GRADE	
	MANHOLE / SANITARY SEWER	
	CATCH BASIN / STORM PIPE	
	EXISTING PIPING	

PROJECT
SITE



WARNING!
UTILITIES IN AREA
CALL UTILITY LOCATORS
PRIOR TO ANY EXCAVATION.

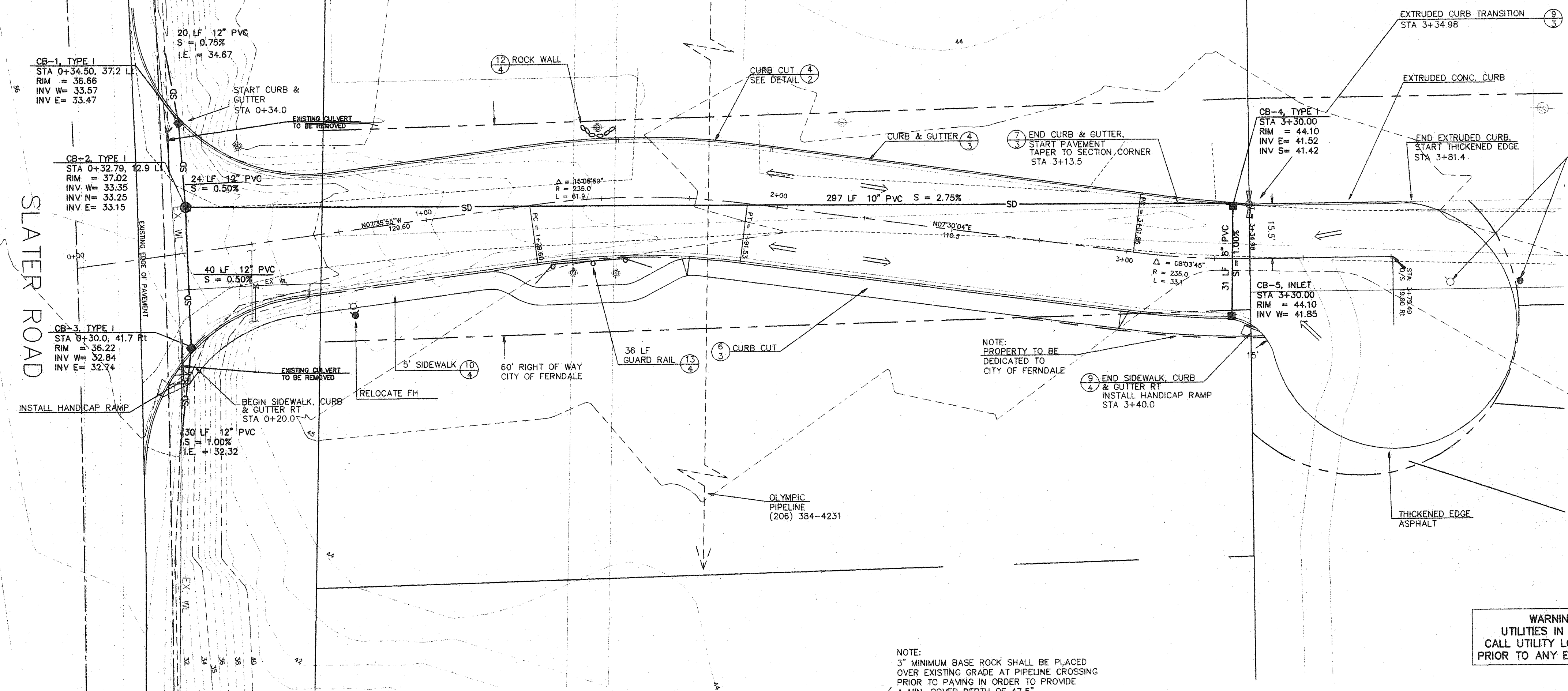
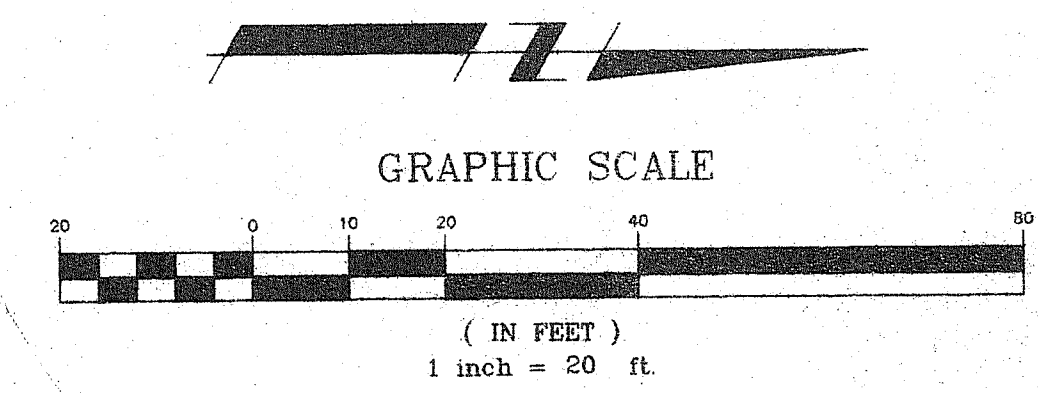


WEDEN ENGINEERING, INC.
119 GRAND AVENUE, SUITE D,
BELLINGHAM, WA. 98225 671-8200

DESIGNED BY
MRS
DRAWN BY
TEP
CHECKED BY
WYK

SI ELDRED
ROADWAY AND STORM DRAINAGE IMPROVEMENTS
TITLE, VICINITY AND LOCATION MAPS, LEGEND, NOTES, AND SHEET INDEX

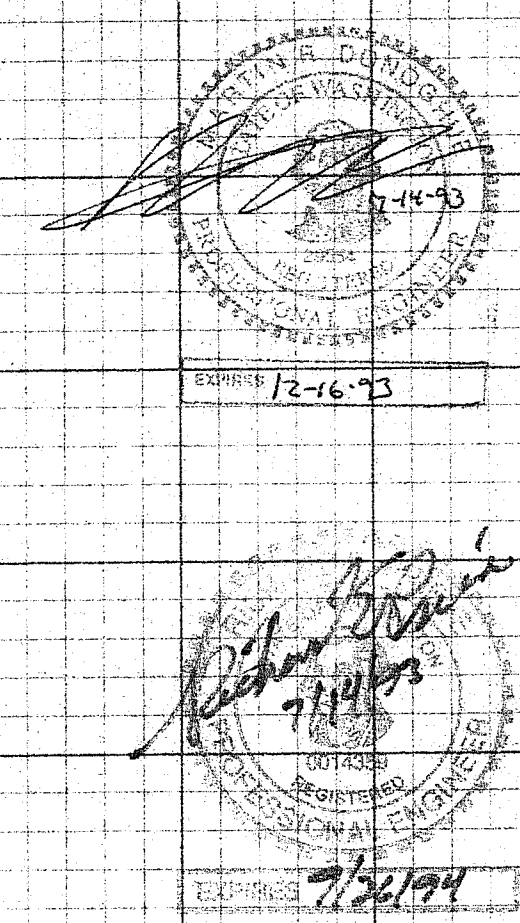
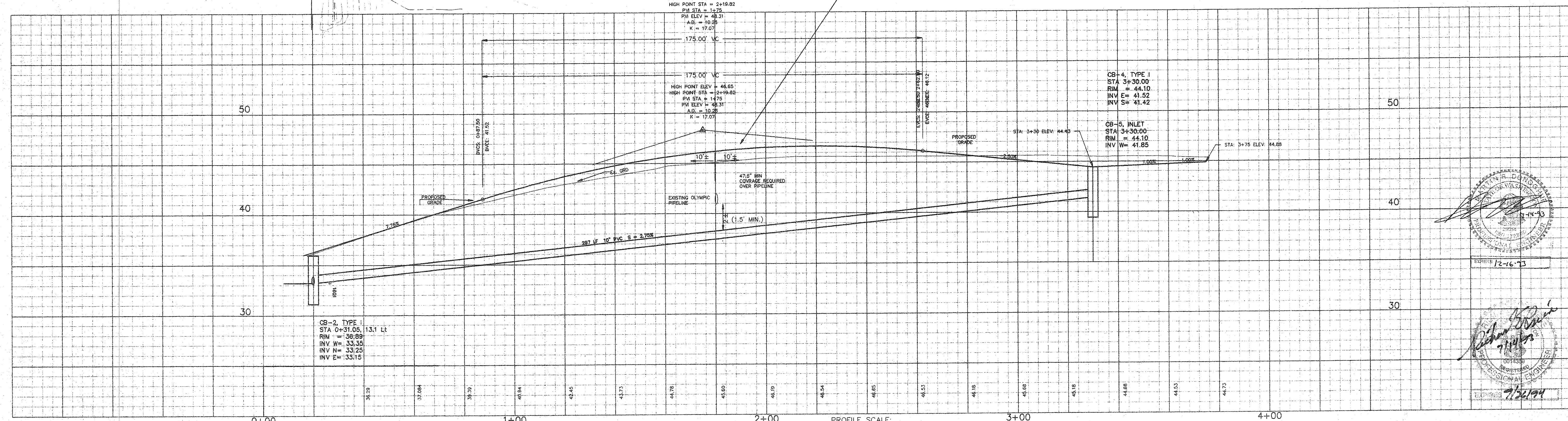
DATE
07/14/93
SCALE
AS NOTED
REC. NO.
93019



NOTE:
TOPOGRAPHY AND SURFACE FEATURES
TAKEN FROM AERIAL TOPO MAP
SIDE SLOPES AT ENTRANCE TO BE
REGRADED, IF NECESSARY, TO
PROVIDE ADEQUATE SITE DISTANCE
EAST AND WEST ON SLATER ROAD

NOTE:
3" MINIMUM BASE ROCK SHALL BE PLACED
OVER EXISTING GRADE AT PIPELINE CROSSING
PRIOR TO PAVING IN ORDER TO PROVIDE
A MIN. COVER DEPTH OF 47.5"

WARNING!
UTILITIES IN AREA
CALL UTILITY LOCATORS
PRIOR TO ANY EXCAVATION.



NO.	REVISIONS	BY	DATE

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DESIGNED BY
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SI ELDRED
ROADWAY & DRAINAGE PLAN

DATE 07/14/93
SCALE AS SHOWN
REC. NO. 93019
3019PP2A

SHEET 2 OF 4

6" RISER SECTION
USED FOR SHORT ADJUSTMENT.
2x4x8" SOLID BRICK MAY BE
USED FOR FINAL ADJUSTMENT
TO A MAXIMUM LIFT OF 6".

12" RISER SECTION

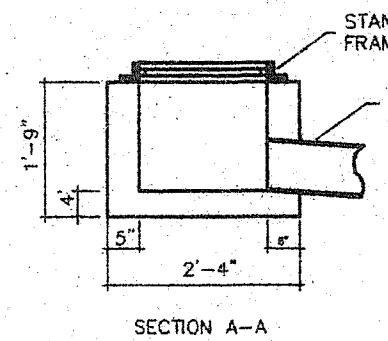
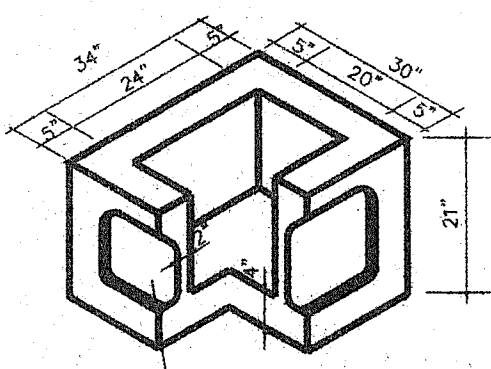
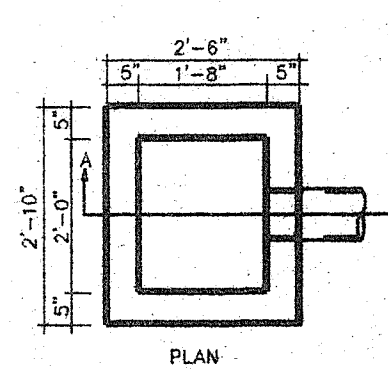
PRECAST BASE SECTION

4-WAY 18" THRU 22"(NOMINAL) KNOCKOUTS.
PIPE SIZE AND PIPE ENTRANCE ANGLE
TO BE LIMITED BY KNOCKOUTS. MAXIMUM
PIPE SIZE - 15" DIAMETER ON WIDE SIDE
AND 12" DIAMETER ON NARROW SIDE.

NOTES:

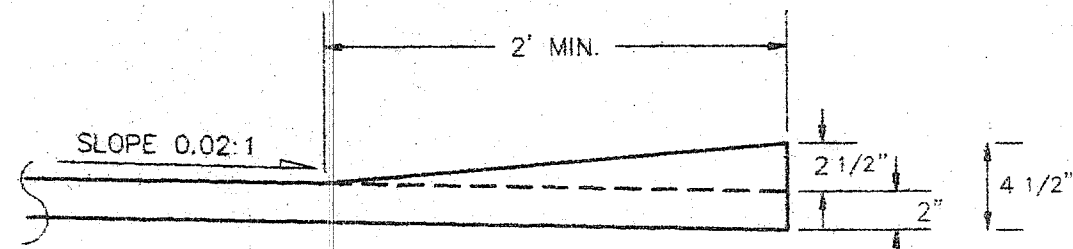
- 1) CAST IN PLACE OR MASONRY CONSTRUCTION UNITS MAY BE SUBSTITUTED
AS PER A.P.W.A. STANDARDS OR STATE STANDARDS.
- 2) FOR DETAILS OF REINFORCEMENTS AND INSTALLATION, SEE A.P.W.A. STANDARDS
OR STATE STANDARDS.

1 CATCH BASIN 2 TYPE I NTS

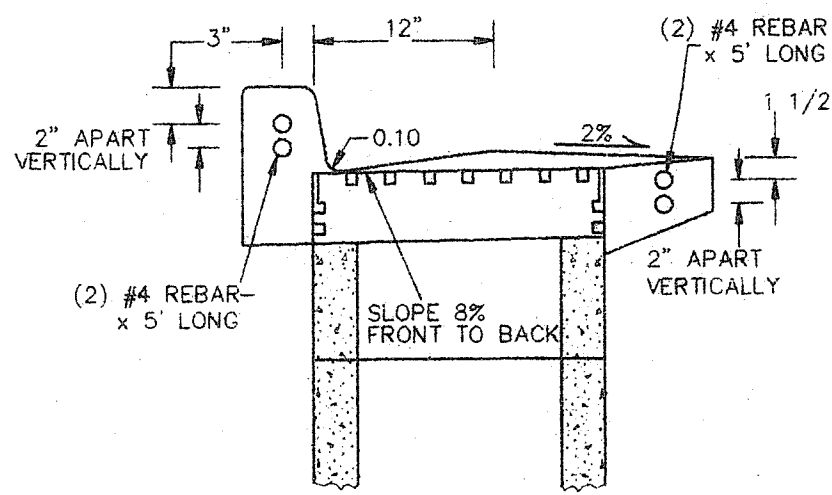


- NOTES:
- 1) UNIT IS DESIGNED TO PICK UP SURFACE
DRAINAGE A SHORT DISTANCE FROM CATCH BASIN.
 - 2) CAST IN PLACE OR MASONRY CONSTRUCTION
UNITS MAY BE SUBSTITUTED AS PER APWA
STANDARDS OR STATE STANDARDS.
 - 3) FOR DETAILS OF REINFORCEMENT OR INSTALLATION
SEE APWA STANDARDS OR STATE STANDARDS.

2 INLET DETAIL NTS



7 THICKENED EDGE DETAIL NTS

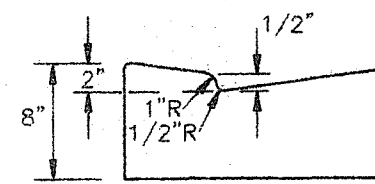


SECTION B-B

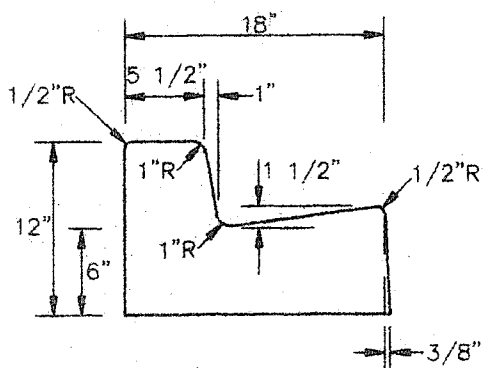
NOTE:

1. ON CURB SLOPES GREATER THAN 10%
THE SLOPE OF THE FRAME AND GRATE
IS TO BE SET AT THE DIRECTION OF
THE PUBLIC WORKS DIRECTOR.
2. USE #4 BAR THROUGHOUT

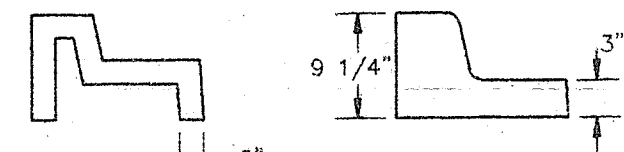
3 GUTTER TREATMENT AT CATCH BASIN 2



CURB RAMP/DRIVEWAY SECTION



TYPICAL CURB SECTION

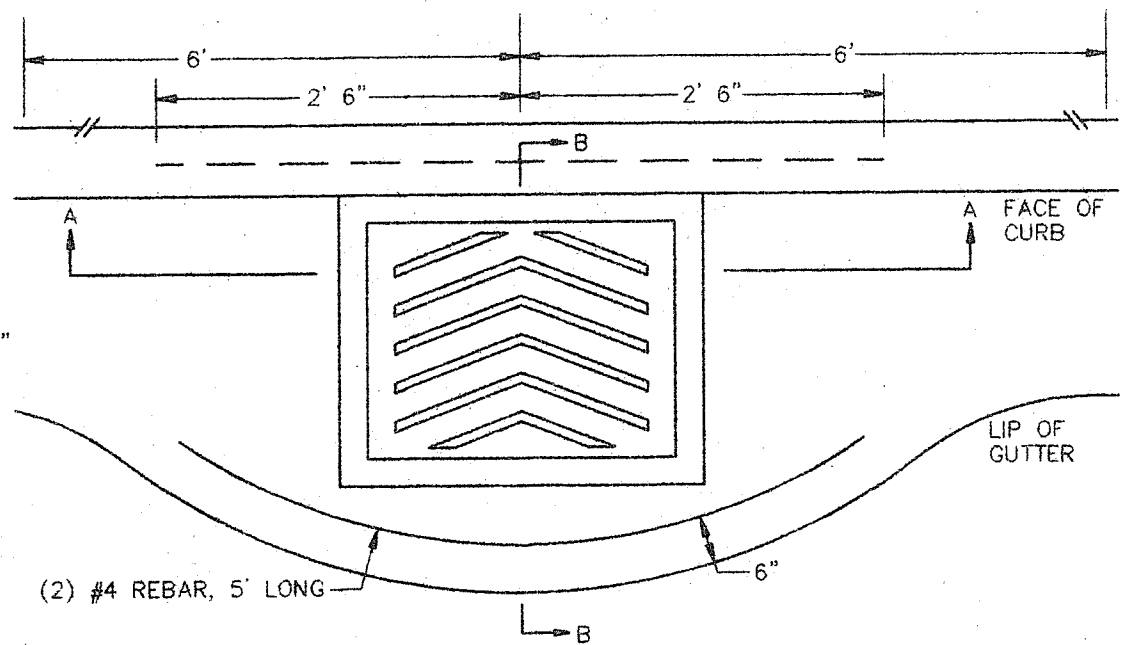


CONTRACTION JOINTS

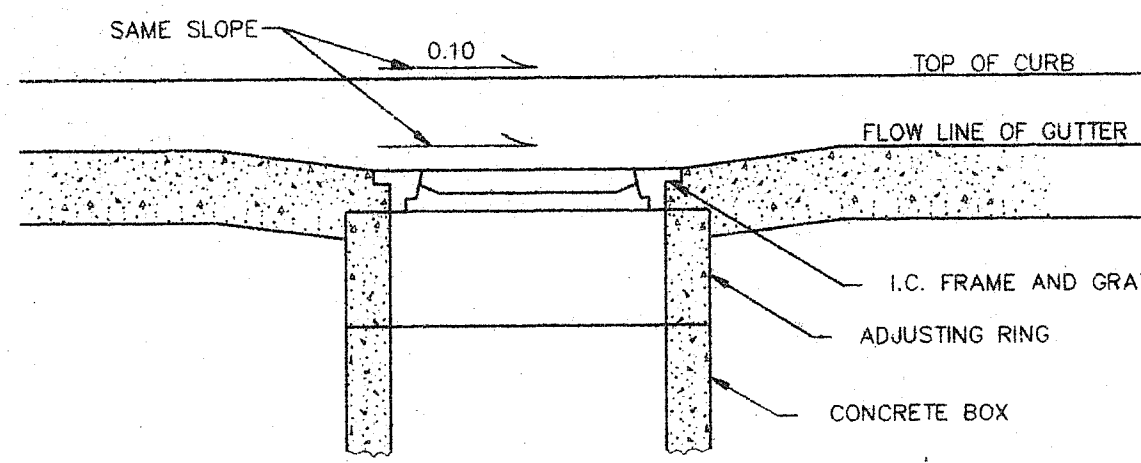
GENERAL NOTES:

- 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 EGED.
- 2" WEEP HOLES TO BE PLACED ON EACH SIDE OF DRIVEWAY SECTION AND
A MAXIMUM 60' C/C IN CUT SECTIONS WHERE SIDEWALK DRAIN NOT
REQUIRED BY CITY ENGINEER.
- 3/4" EXPANSION JOINTS TO BE PLACED AT DRIVEWAY SECTIONS, CURB
RETURNS, CURB RAMP 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 "C".
- 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.

4 TYPE "A" MODIFIED CURB & GUTTER 2

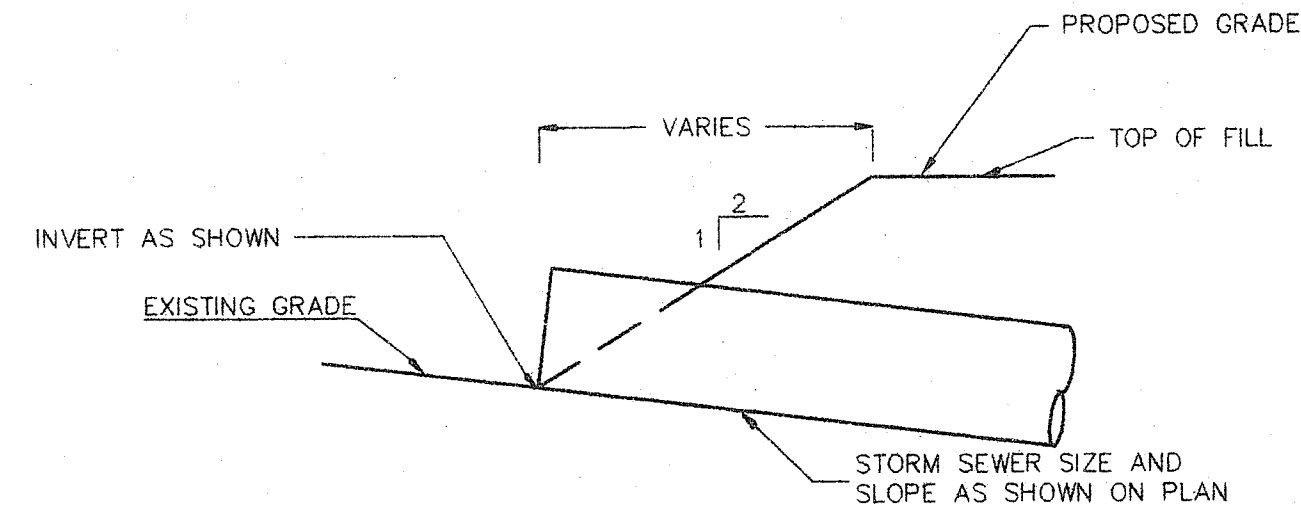


SECTION A-A

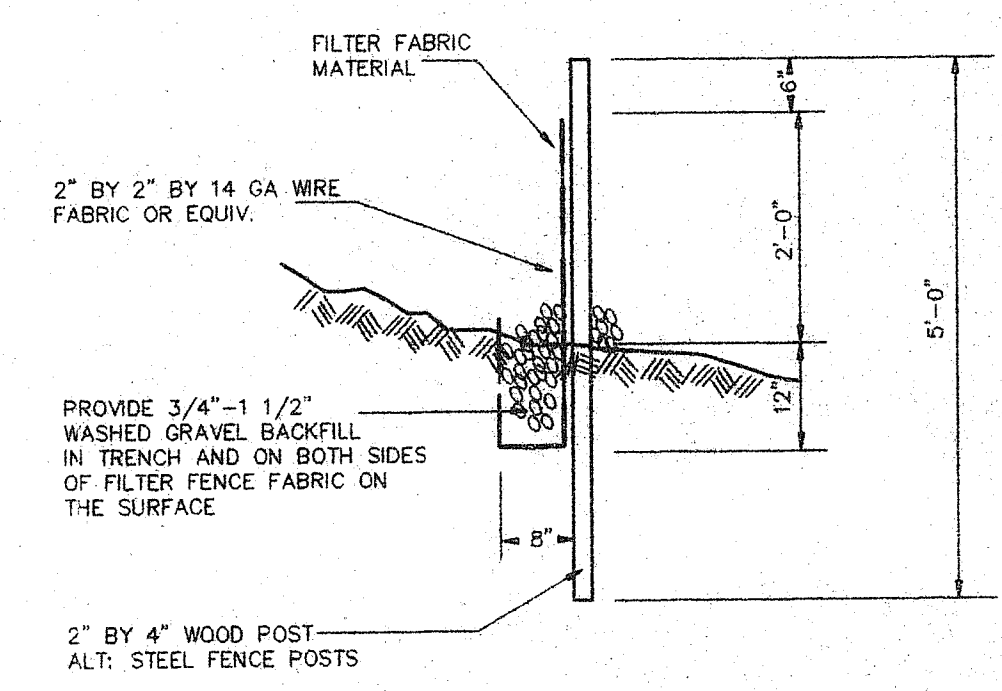
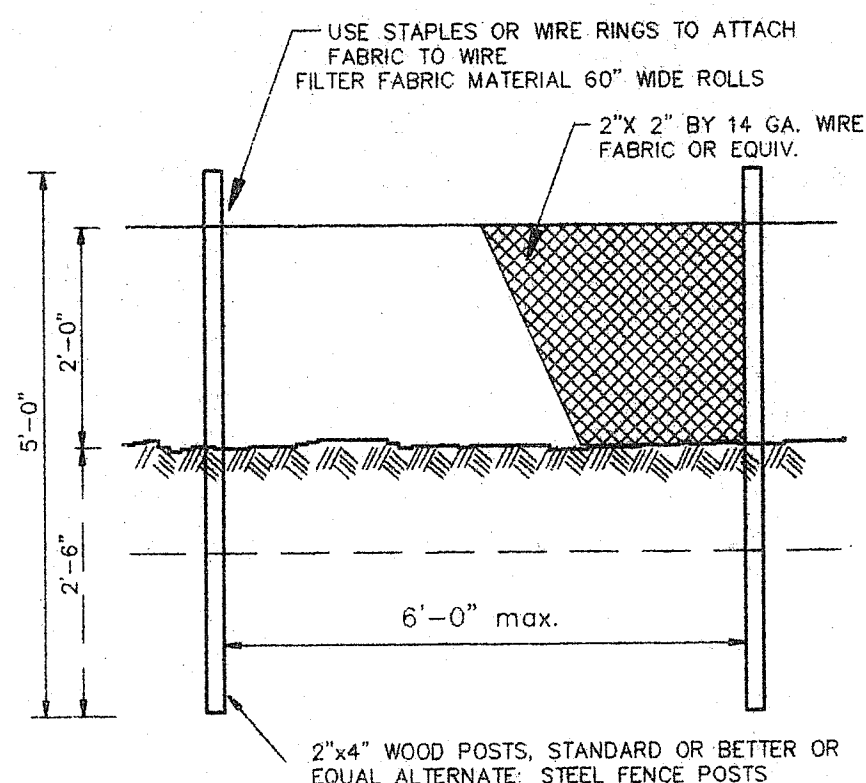


SECTION B-B

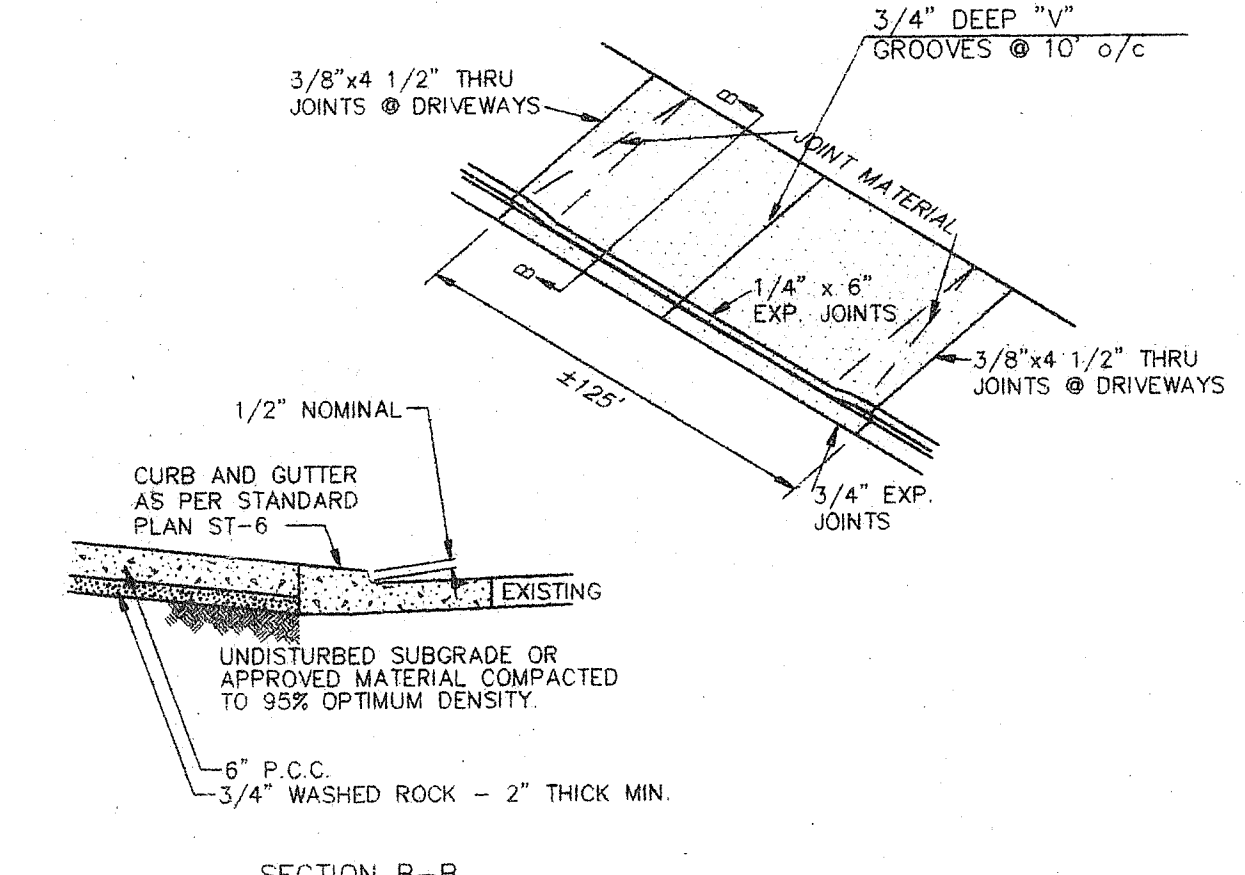
5 CULVERT INLET/OUTLET DETAIL 2



7 EXTRUDED CURB DETAIL 2

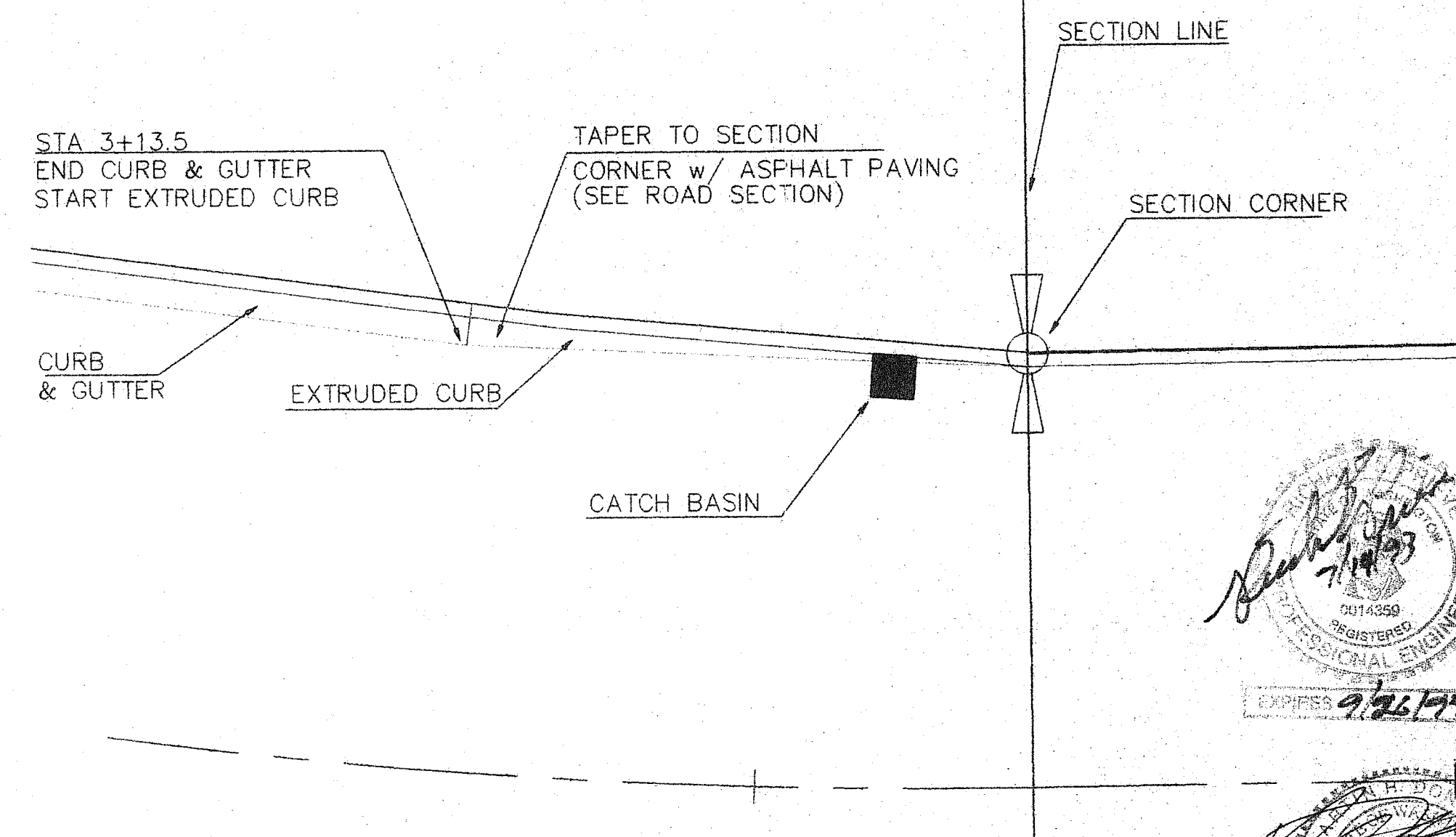


8 SILT FENCE 2

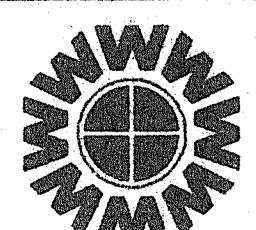


SECTION B-B

6 DRIVEWAY SECTION CURB CUT 2



9 CURB TRANSITION DETAIL 2



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ONE INCH AT FULL SCALE
IF NOT ONE INCH
SCALE ACCORDINGLY

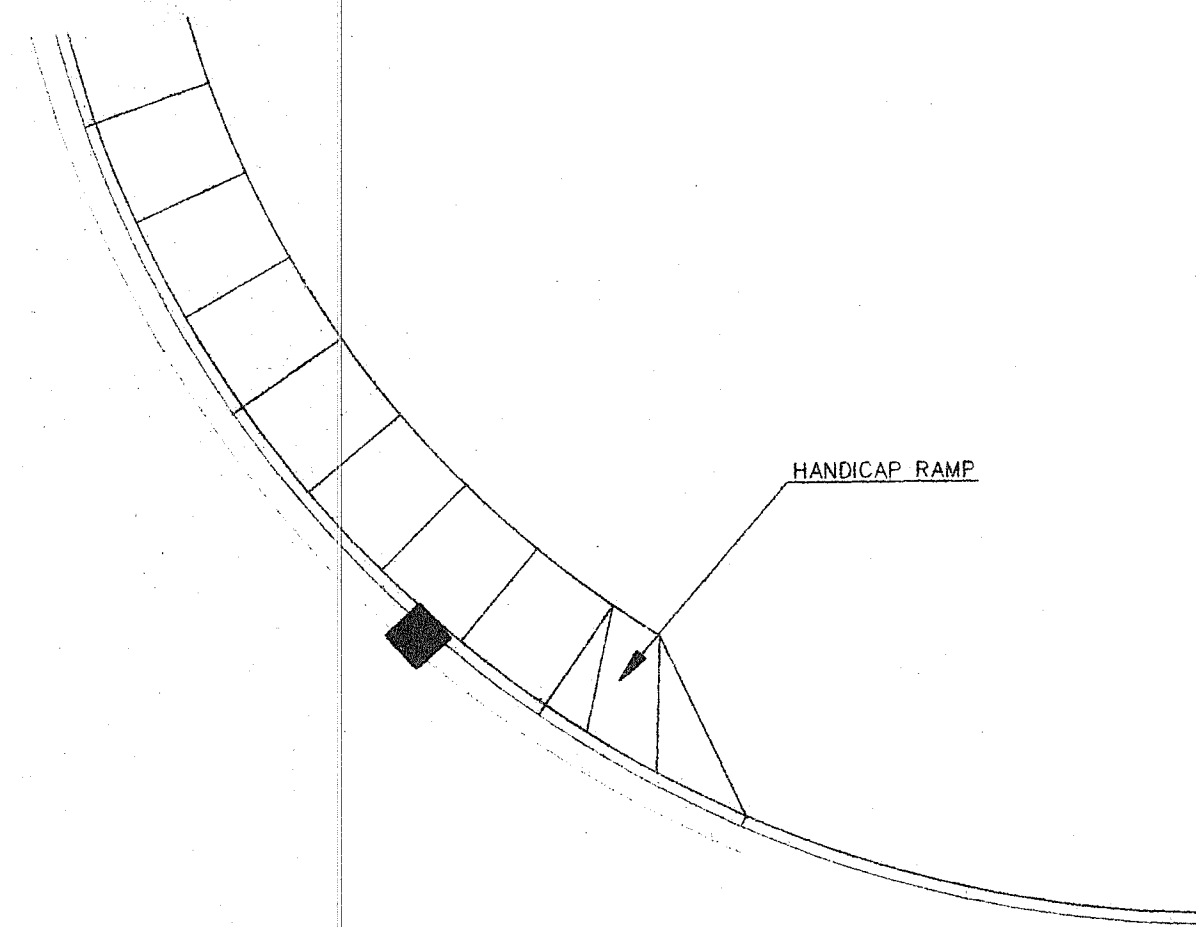
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MWS
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JEP
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MWS

SI ELDRED
STORM DRAINAGE AND ROADWAY DETAILS

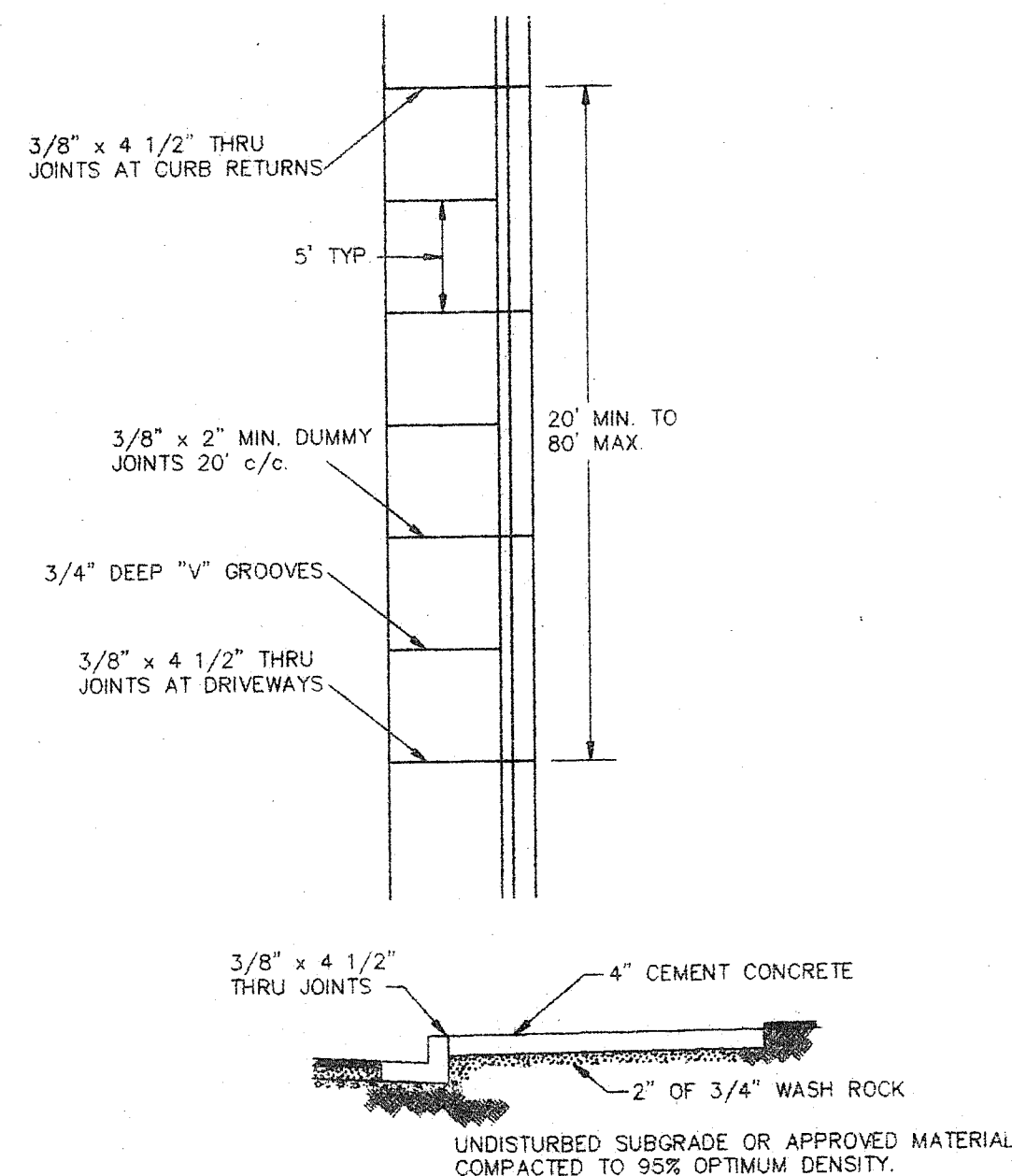
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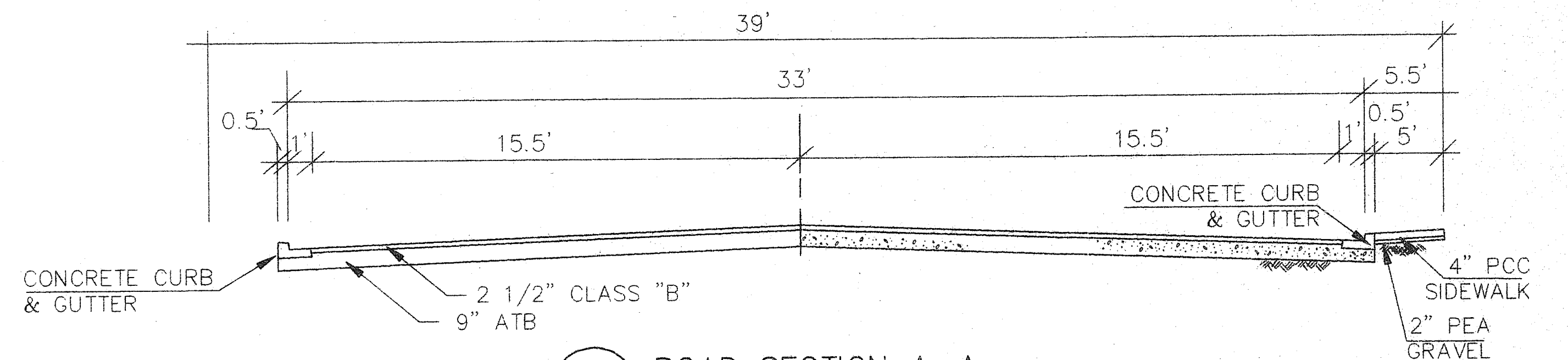
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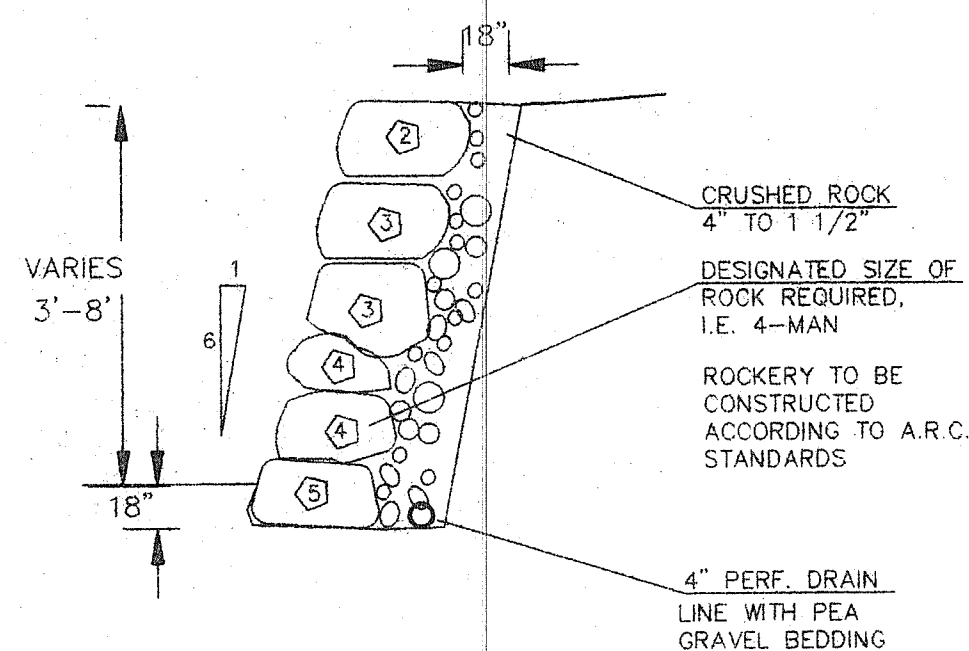
9 MINIMUM STANDARD CURB RAMPS
2 NTS



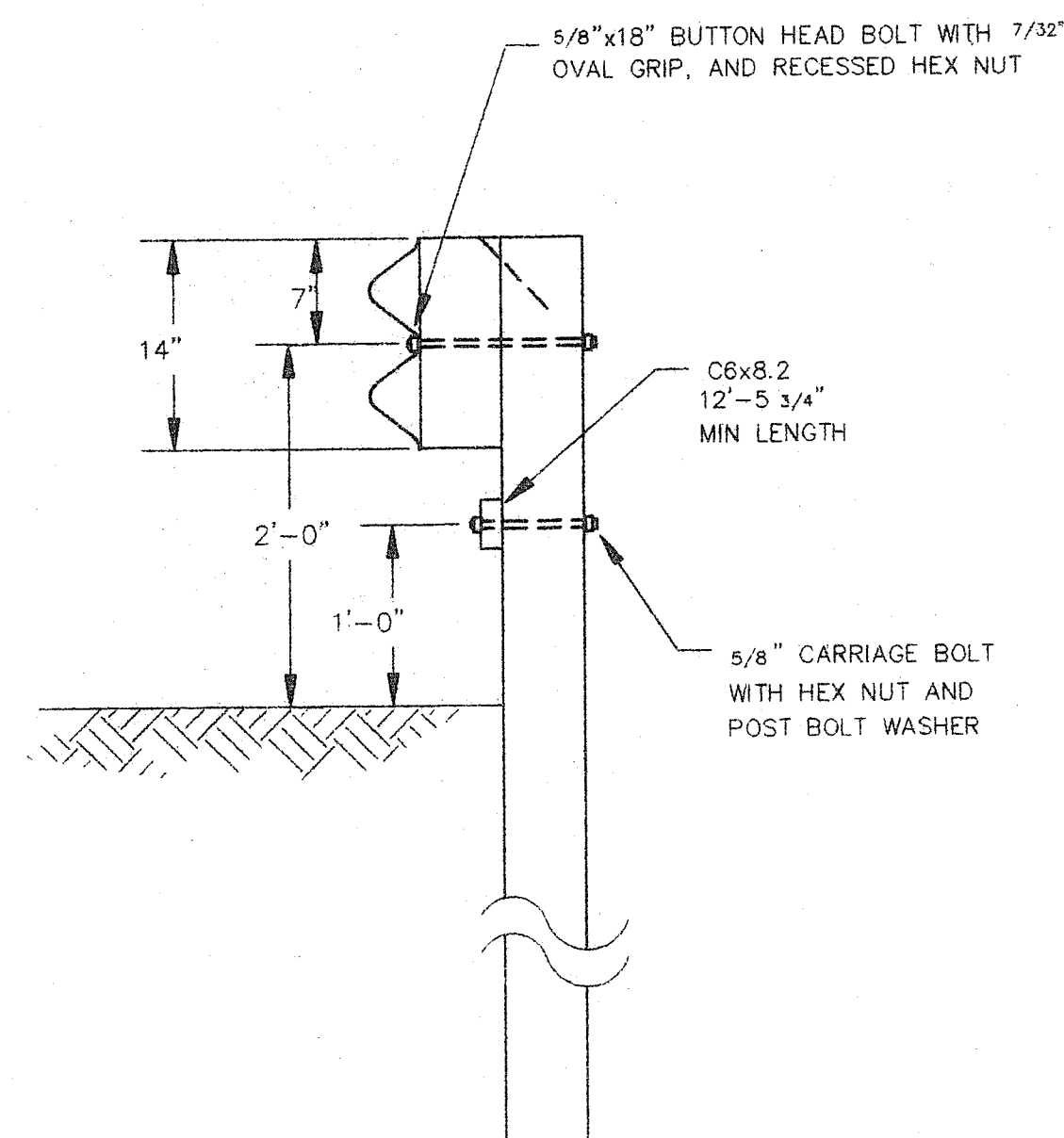
10 TYPICAL SIDEWALK PLAN AND CROSS-SECTION
2 NTS



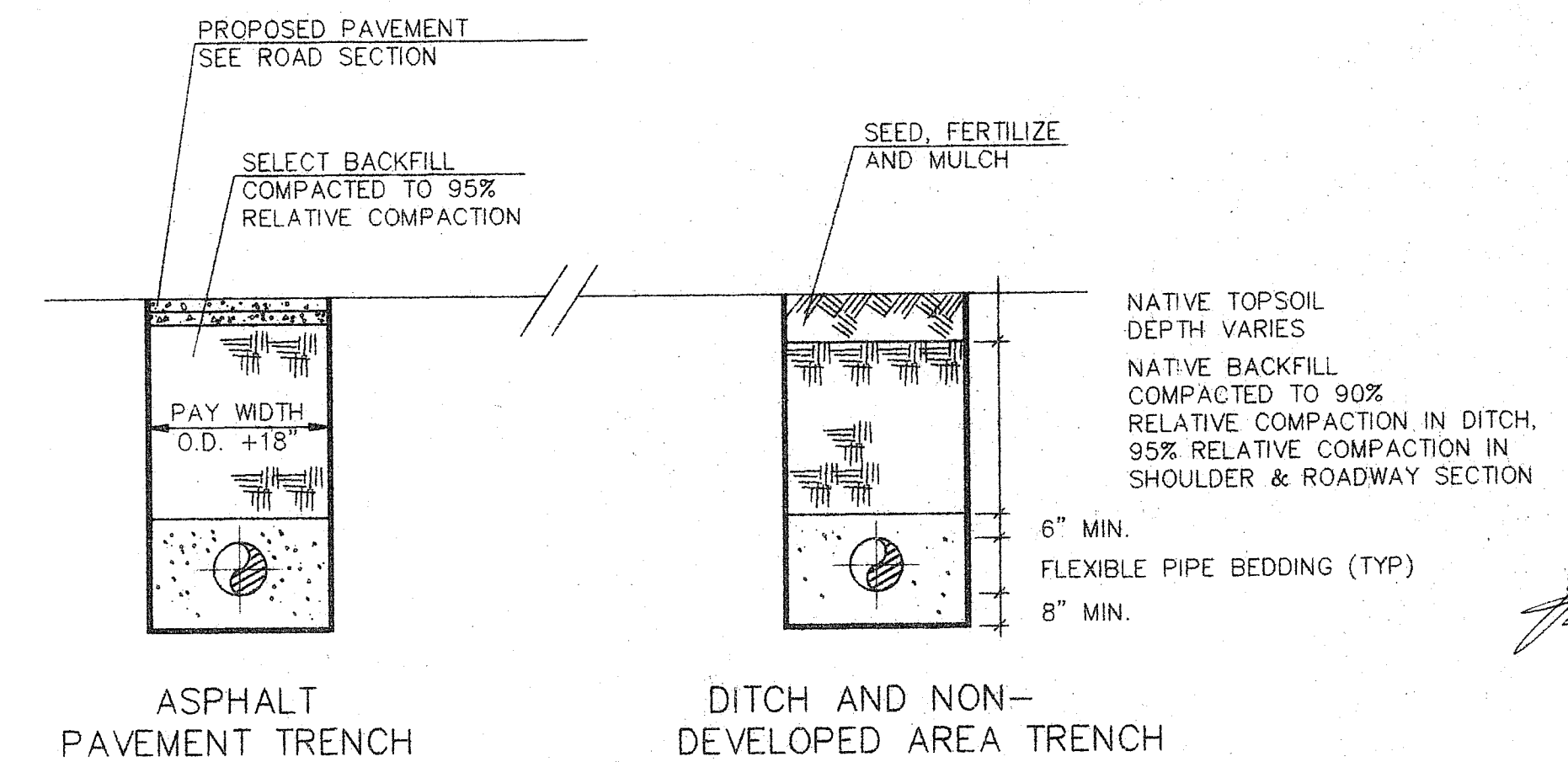
11 ROAD SECTION A-A
2 NTS



12 ROCKERY DETAIL
2 NTS

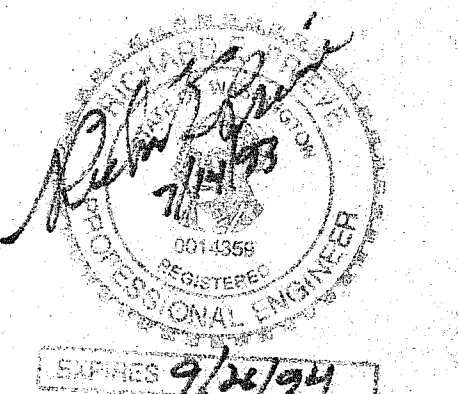
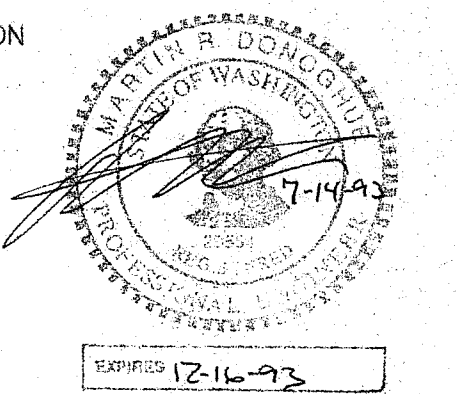


13 WOOD POST GUARD RAIL
2 NTS

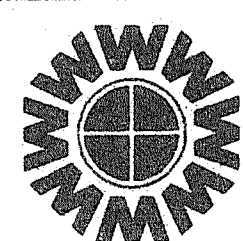


14 TRENCHING DETAIL
2 NTS

- NOTES: 1. NATIVE BACKFILL SHALL BE COMPACTED TO 90% RELATIVE COMPACTION.
2. SELECT BACKFILL/CRUSHED SURFACE COURSE SHALL BE COMPACTED TO 95% COMPACTION.
3. ALL TRENCH RESTORATION SHALL MEET EITHER CITY OF FERDALE OR WHATCOM COUNTY STANDARDS.



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ONE INCH AT FULL SCALE
IF NOT ONE INCH
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DESIGNED BY
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SI ELDRED
STORM DRAINAGE AND ROADWAY DETAILS

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93019
SHEET
4
OF
4

497.004 CL 7/18/12