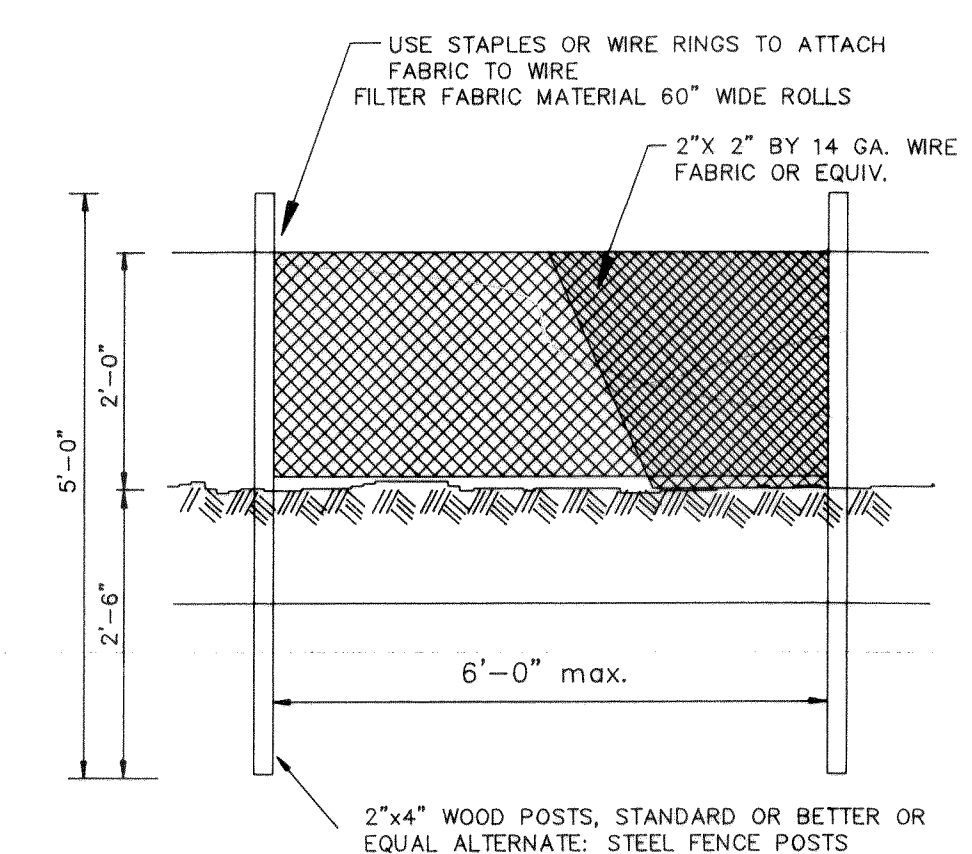
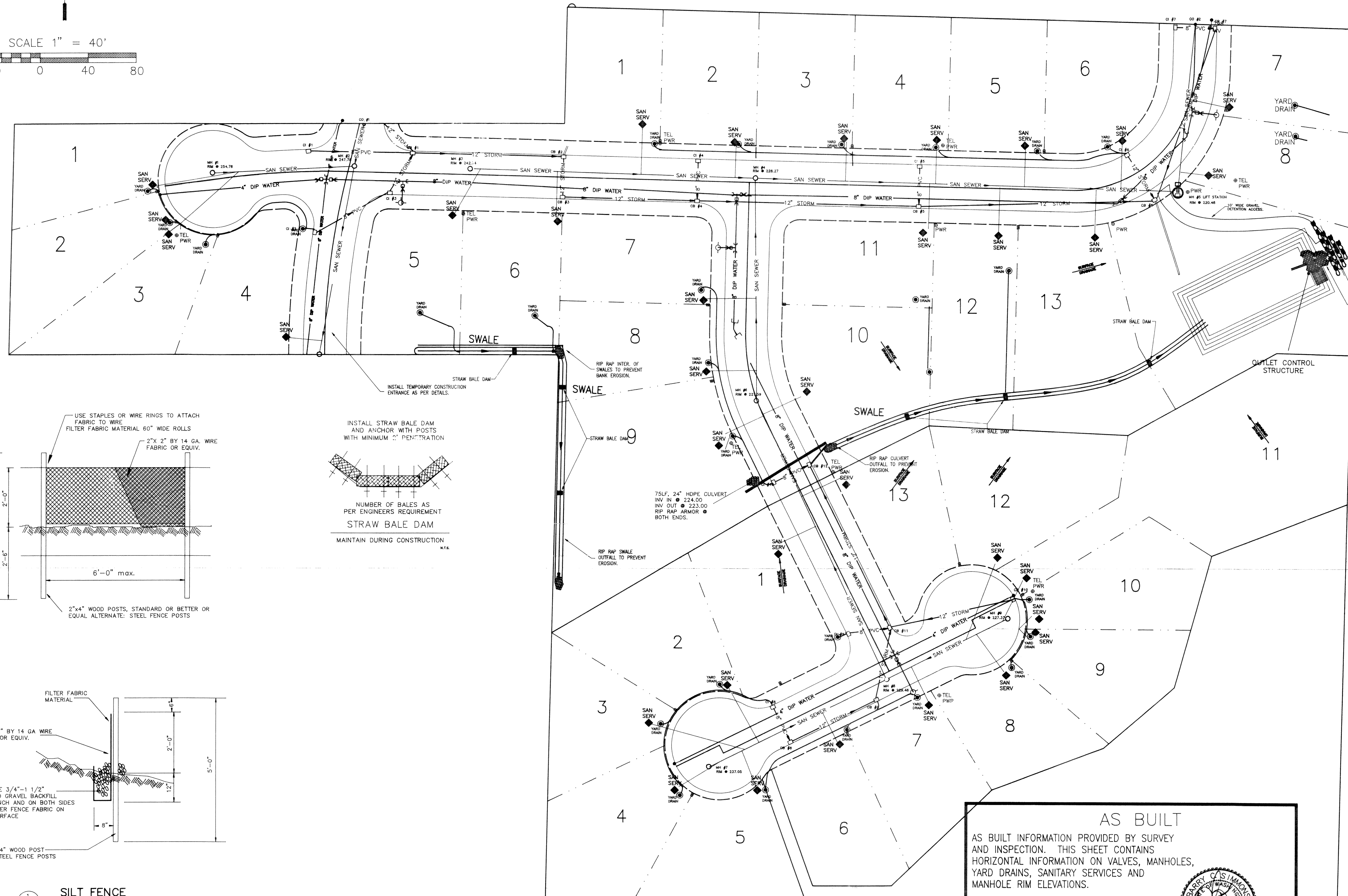
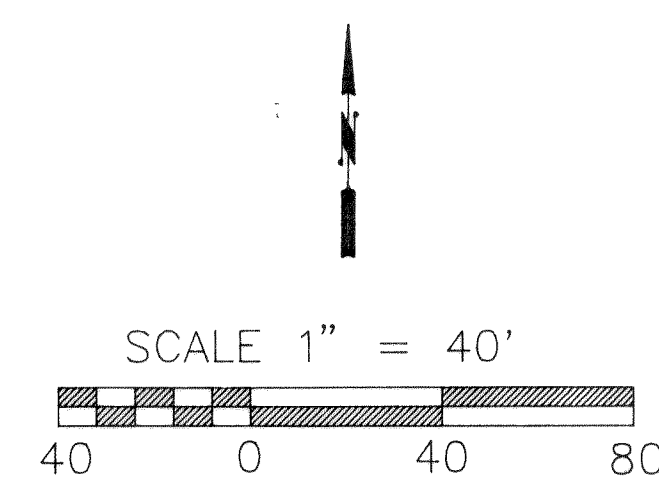
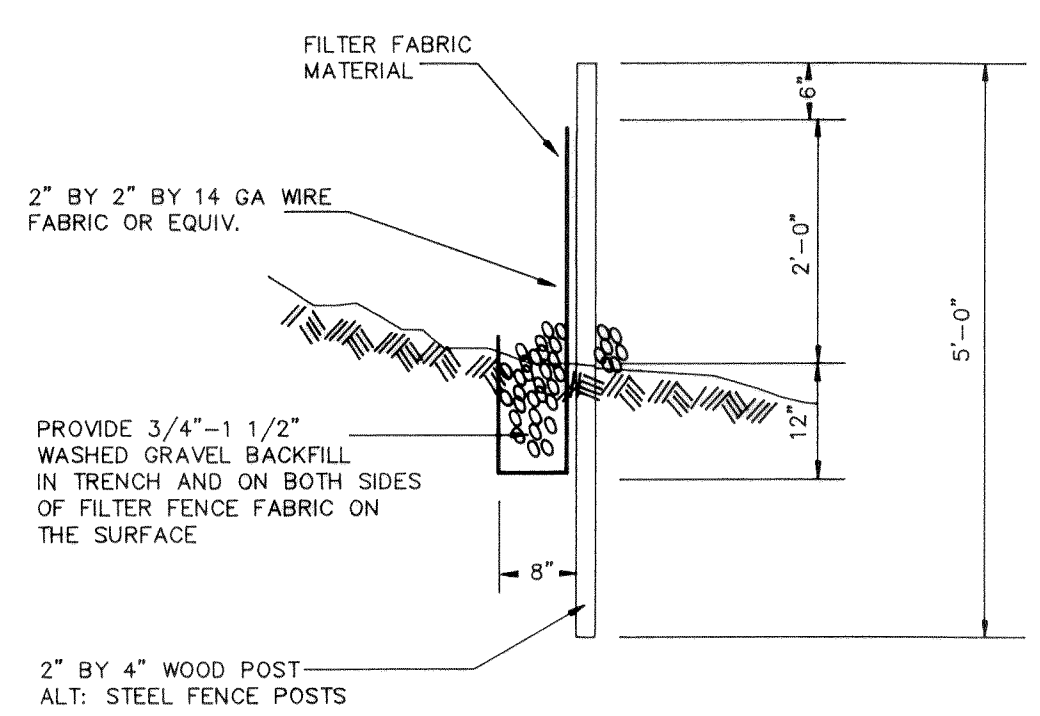




INSTALL STRAW BALE DAM
AND ANCHOR WITH POSTS
WITH MINIMUM 2\"/>

NUMBER OF BALES AS
PER ENGINEERS REQUIREMENT
STRAW BALE DAM
MAINTAIN DURING CONSTRUCTION
N.T.S.

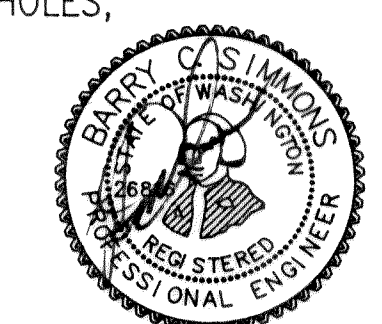


1 SILT FENCE
N.T.S.

AS BUILT
AS BUILT INFORMATION PROVIDED BY SURVEY
AND INSPECTION. THIS SHEET CONTAINS
HORIZONTAL INFORMATION ON VALVES, MANHOLES,
YARD DRAINS, SANITARY SERVICES AND
MANHOLE RIM ELEVATIONS.

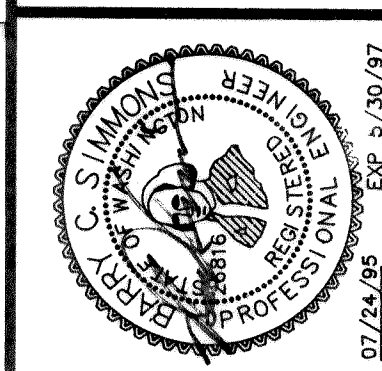
07/24/95
DATE

EXP 5/30/97
DATE



CONSULTING GROUP, INC.
6351 Hannegan Rd. Suite 14
Lynden, Washington 98264
206-354-7617

DRAWN: BCS
CHECKED: BCS
FILE: GOERT



AS BUILT
RYANS GLEN

REVISIONS		
NO.	DATE	DESCRIPTION
1	01/16/95	ISSUE
1	04/14/95	GENERAL

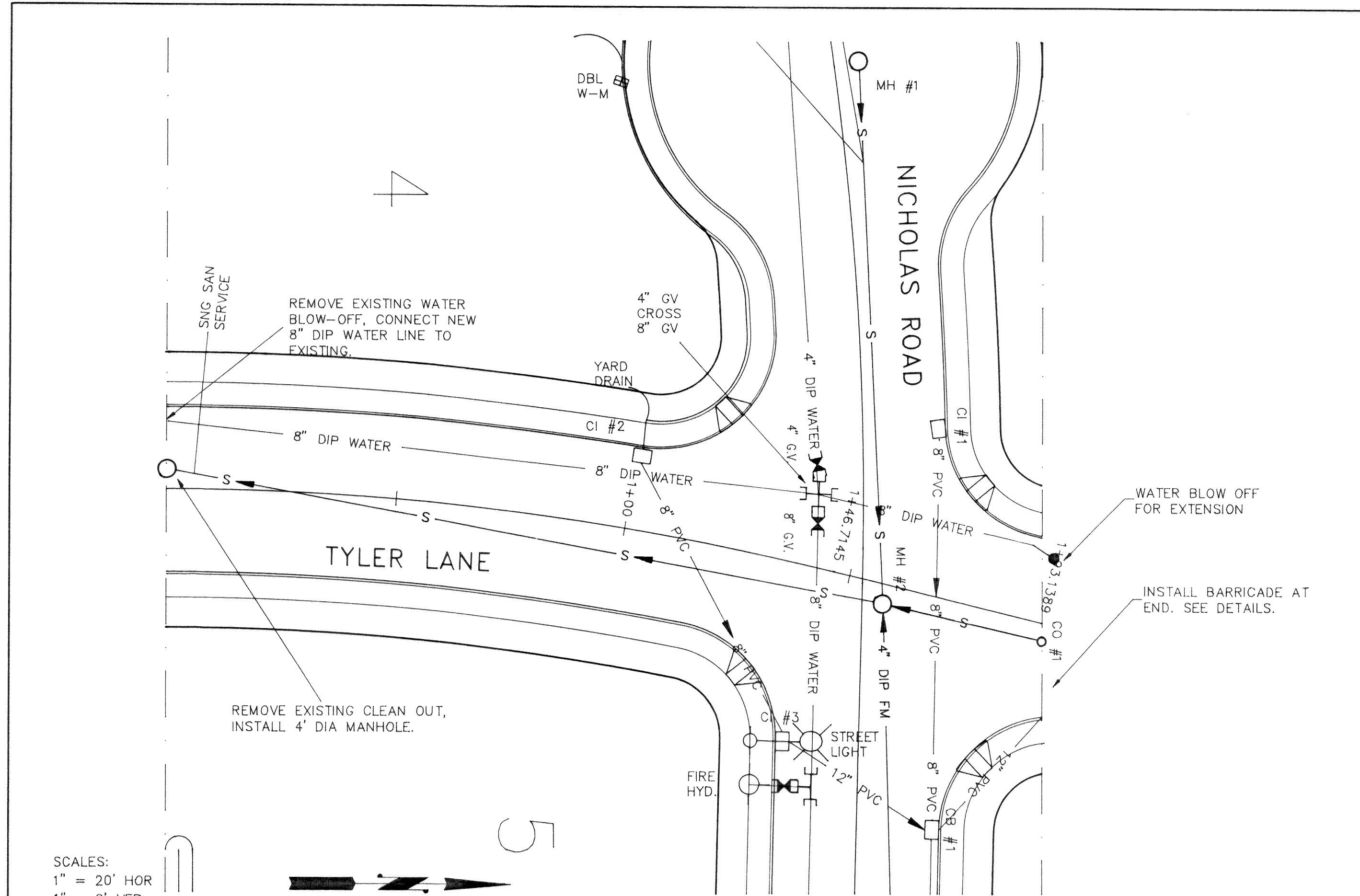
PROJECT NO. DATE
9036 07/07/93

SHEET TITLE
AS
BUILT

SHEET NO.

1 of 12

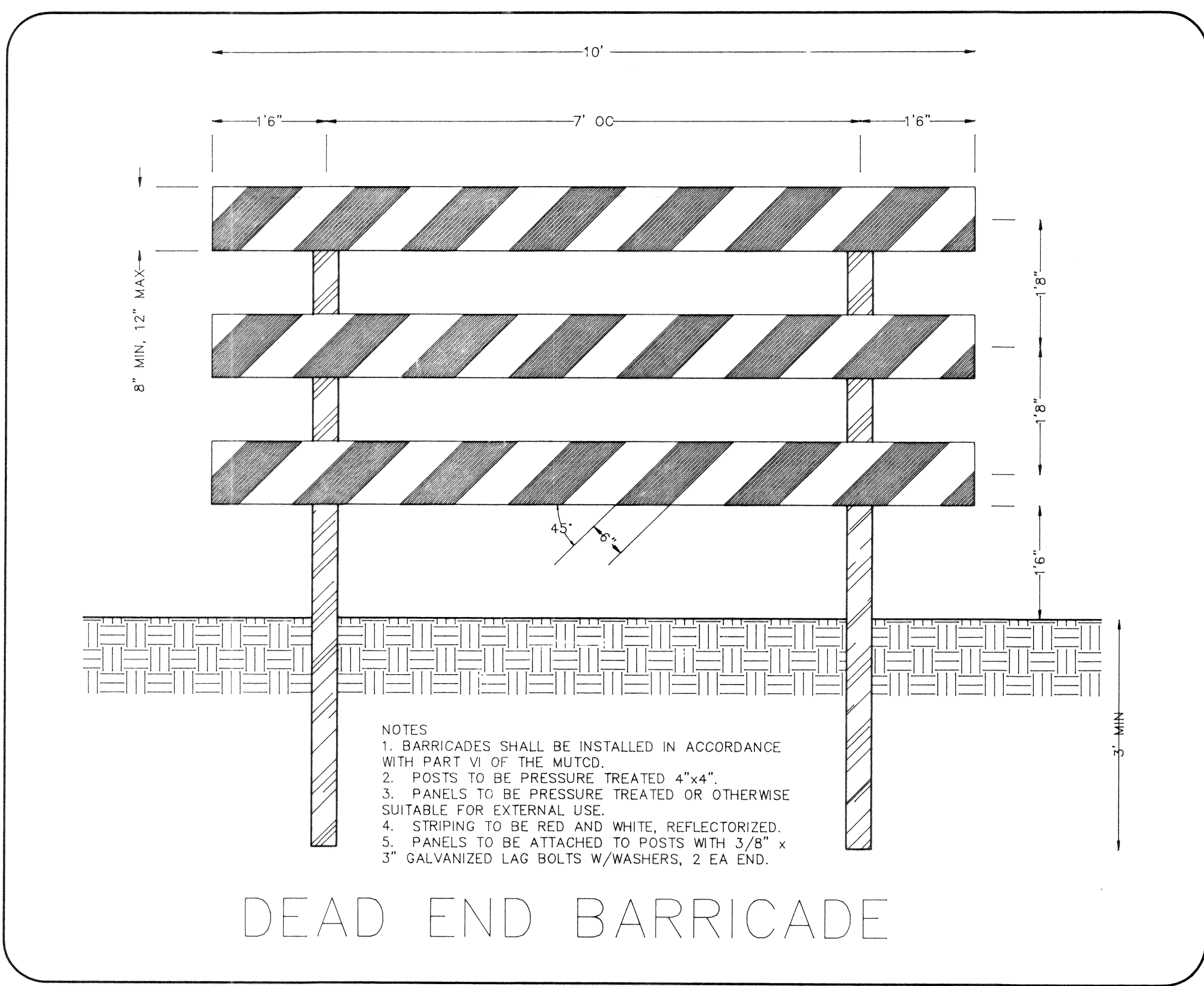
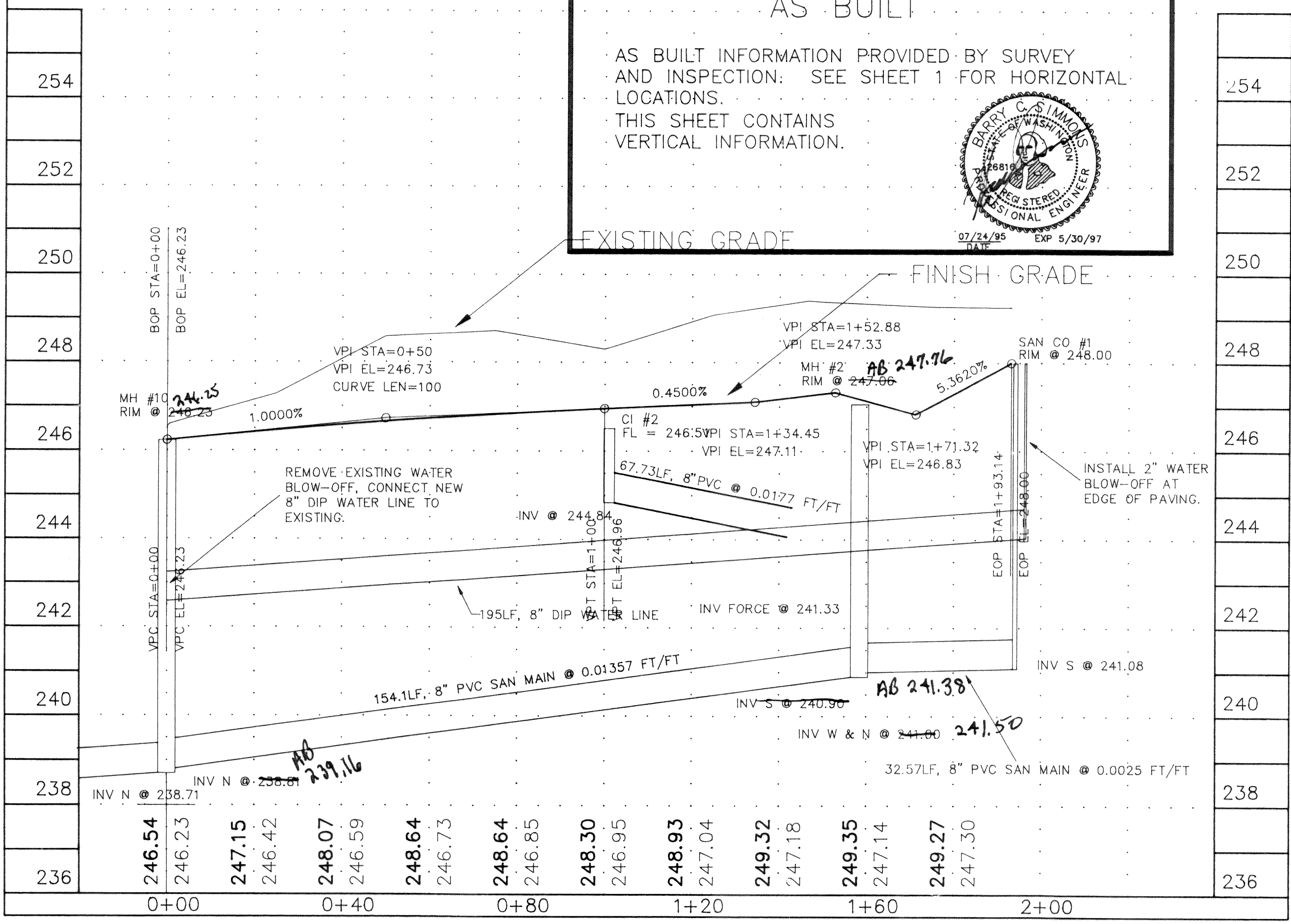
00192.D01 2.10.00 142



SCALES:
1" = 20' HOR
1" = 2' VER

AS BUILT

AS BUILT INFORMATION PROVIDED BY SURVEY AND INSPECTION. SEE SHEET 1 FOR HORIZONTAL LOCATIONS. THIS SHEET CONTAINS VERTICAL INFORMATION.



DEAD END BARRICADE

GENERAL SPECIFICATIONS

ALL REFERENCES ARE TO THE CURRENT VERSION OF WSDOT/APWA STANDARD SPECIFICATIONS.

CLEARING, GRUBBING AND CLEANUP WORK SHALL COMPLY WITH SECTION 2-01 WITH DISPOSAL METHOD #1. OPEN BURNING IS AN ACCEPTABLE METHOD OF DISPOSING OF WOOD WASTE MATERIALS, SUBJECT TO MUNICIPAL RESTRICTIONS.

REMOVAL OF STRUCTURES AND OTHER OBSTRUCTIONS SUCH AS CULVERTS, PAVEMENT, ETC., SHALL COMPLY WITH SECTION 2-02.

ALL ROADWAY EXCAVATION, EMBANKMENT AND GENERAL MOVEMENT OF SOILS RELATED TO THIS PROJECT SHALL COMPLY WITH SECTION 2-03.

COMPACTION OF ALL EARTH EMBANKMENTS SHALL COMPLY WITH SECTION 2-03.3 (14C), METHOD C.

SUBGRADE PREPARATION FOR ROADBEDS BEING PREPARED FOR SURFACING SHALL COMPLY WITH SECTION 2-06.

GRAVEL BASE WORK SHALL CONSIST OF CONSTRUCTING ONE OR MORE LAYERS OF GRAVEL BASE UPON A PREPARED SUBGRADE IN CONFORMITY WITH LINES, GRADES AND DEPTHS AS SHOWN ON THE PLANS OR AS ESTABLISHED BY THE ENGINEER AND SHALL COMPLY WITH SECTION 4-02.

BALLASTS AND CRUSHED SURFACING WORK SHALL CONSIST OF CONSTRUCTING ONE OR MORE COURSES OF CRUSHED STONE UPON A PREPARED SUBGRADE OR GRAVEL BASE IN CONFORMITY WITH LINES, GRADES, DEPTHS AS SHOWN ON THE PLANS OR ESTABLISHED BY THE ENGINEER. WORK SHALL COMPLY WITH SECTION 4-04.

ASPHALT CONCRETE PAVEMENT WORK SHALL CONSIST OF ONE OR MORE COURSES OF PLANT MIXED ASPHALT CONCRETE PAVEMENT CLASS B PLACED ON A PREPARED FOUNDATION OR BASE IN CONFORMITY WITH LINES, GRADES AND TYPICAL CROSS SECTIONS AS SHOWN ON PLANS OR ESTABLISHED BY THE ENGINEER. WORK SHALL COMPLY WITH SECTION 5-04. ALL LIFTS OF CLASS B ASPHALT WILL BE PLACED IN STRICT COMPLIANCE WITH SECTION 5-04. SPECIAL ATTENTION SHOULD BE PAID TO THE VIBRATORY ROLLER SPEED BEING MAINTAINED AT 3 FEET PER SECOND. ALL LAYERS OF CLASS B ASPHALT WILL BE REQUIRED TO MEET A MINIMUM OF 91% OF MAXIMUM DENSITY AS DETERMINED BY WSDOT TEST METHOD 705. AT THE START OF PAVING, A COMPACTION TEST SECTION SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER TO DETERMINE THE COMPACTABILITY OF THE MIX DESIGN. COMPACTABILITY SHALL BE BASED ON THE ABILITY OF THE MIX TO ATTAIN THE SPECIFIED MINIMUM DENSITY.

ALL DRAINAGE STRUCTURES SHALL BE CLEANED AND ALL DEBRIS AND OBSTRUCTIONS SHALL BE REMOVED FROM CULVERT PIPES, STORM SEWER PIPES, DRAINS, INLET STRUCTURES, MANHOLES, BOX CULVERTS, GRATES, TRASH RACKS AND OTHER DRAINAGE FEATURES WITHIN THE LIMITS OF THE PROJECT.

A HYDROSTATIC PRESSURE TEST SHALL BE COMPLETED ON ALL WATER MAINS AND APPURTENANCES TO A MINIMUM TEST PRESSURE OF 225 PSI.

VALVES FOR WATER MAINS SHALL BE RESILIENT SEAT TYPE GATE VALVES. VALVES SHALL ALSO COMPLY WITH SECTION 7-12.

ALL FIRE HYDRANTS SHALL BE EQUIPPED WITH A STORZ FITTING.

CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPROVED PLANS (FOR HORIZONTAL AND VERTICAL ALIGNMENT). MATERIAL AND TECHNOLOGY SHALL BE USED IN ACCORDANCE WITH SECTION 8-04.

EROSION AND SEDIMENTATION CONTROL

1. EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE CONSTRUCTED IN THE FOLLOWING ORDER PRIOR TO CLEARING AND GRADING:

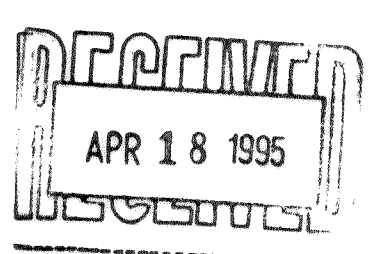
- CONSTRUCTION ENTRANCE.
- INSTALL SILT FENCE ADJACENT TO ALL EXISTING DRAINAGE COURSES.
- CONSTRUCT ALL SWALES.
- INSTALL ALL OTHER SILT FENCING.
- CONSTRUCT DETENTION FACILITY AND CONTROL STRUCTURE.
- CONSTRUCT STORM DRAINAGE SYSTEM.

ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION HAS BEEN ESTABLISHED SUBJECT TO APPROVAL OF THE ENGINEER.

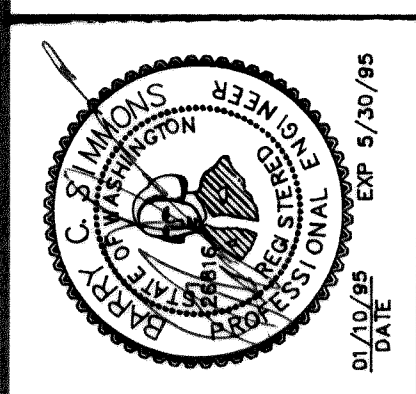
THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL DURING THE COURSE OF CONSTRUCTION.

THE EROSION AND SEDIMENTATION CONTROL SYSTEMS DETAILED ON THIS PLAN ARE DESIGNED TO MEET THE MINIMUM CITY OF FERNDALE REQUIREMENTS. AS CONSTRUCTION PROGRESSES AND SEASONAL CONDITIONS DICTATE, MORE OR DIFFERENT CONTROL MEASURES MAY BE REQUIRED TO INSURE COMPLETE EROSION AND SEDIMENTATION CONTROL.

AREAS WHICH HAVE BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS SHALL BE STABILIZED WITH ADDITIONAL CONTROL MEASURES AS MAY BE REQUIRED BY THE ENGINEER.



DRAWN: BCS
CHECKED: KEJ
FILE: 9036\SH-5



TYLER LANE P&P NOTES & DETAILS

RYANS GLEN

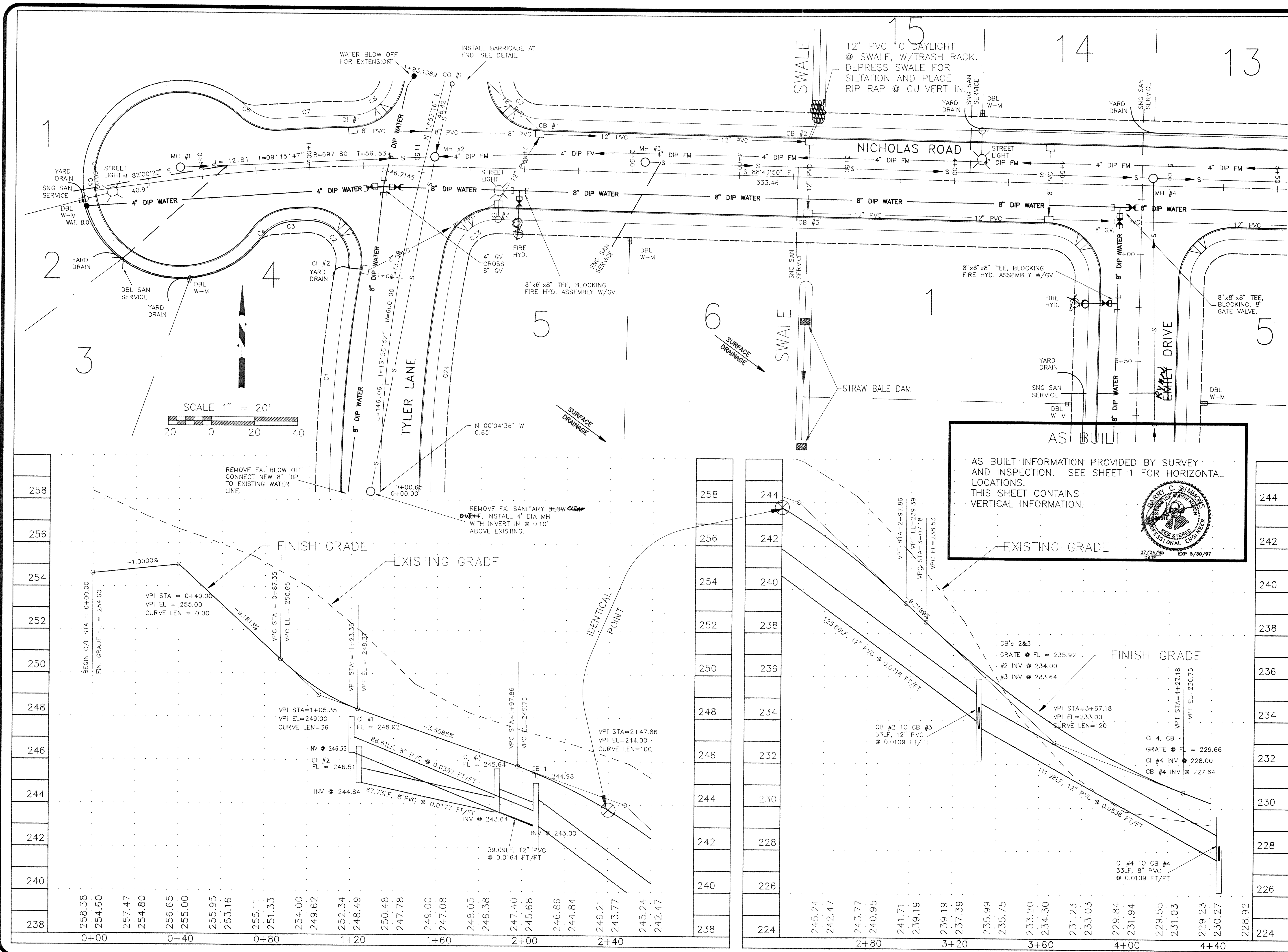
REVISIONS		
NO.	DATE	DESCRIPTION
0	01/16/95	ISSUE
1	04/14/95	GENERAL

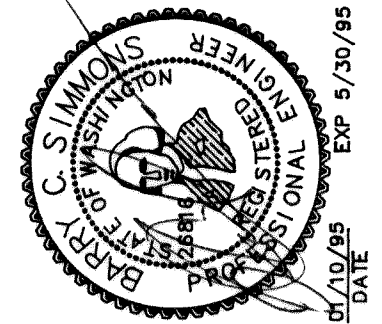
PROJECT NO. 9036 DATE 07/07/93

SHEET TITLE
TYLER LANE,
& NOTES/
DETAILS

SHEET NO.
2 OF 12

00192.002 2-16-06





REVISIONS

NO.	DATE	DESCRIPTION
0	01/16/95	ISSUE
1	04/14/95	GENERAL

PROJECT NO. 9036 DATE 07/07/93

SHEET TITLE
**NICHOLAS
P&P 1**

SHEET NO.
3 OF 12

CONESTOGA ENGINEERING

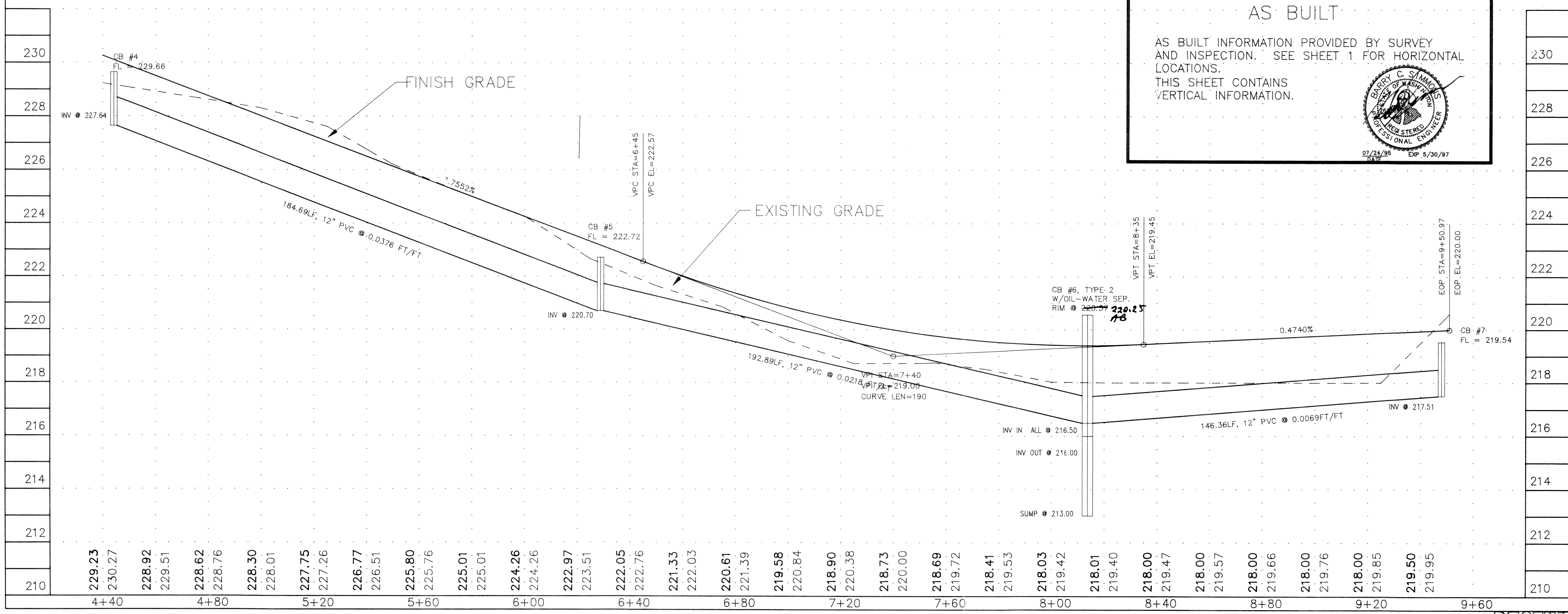
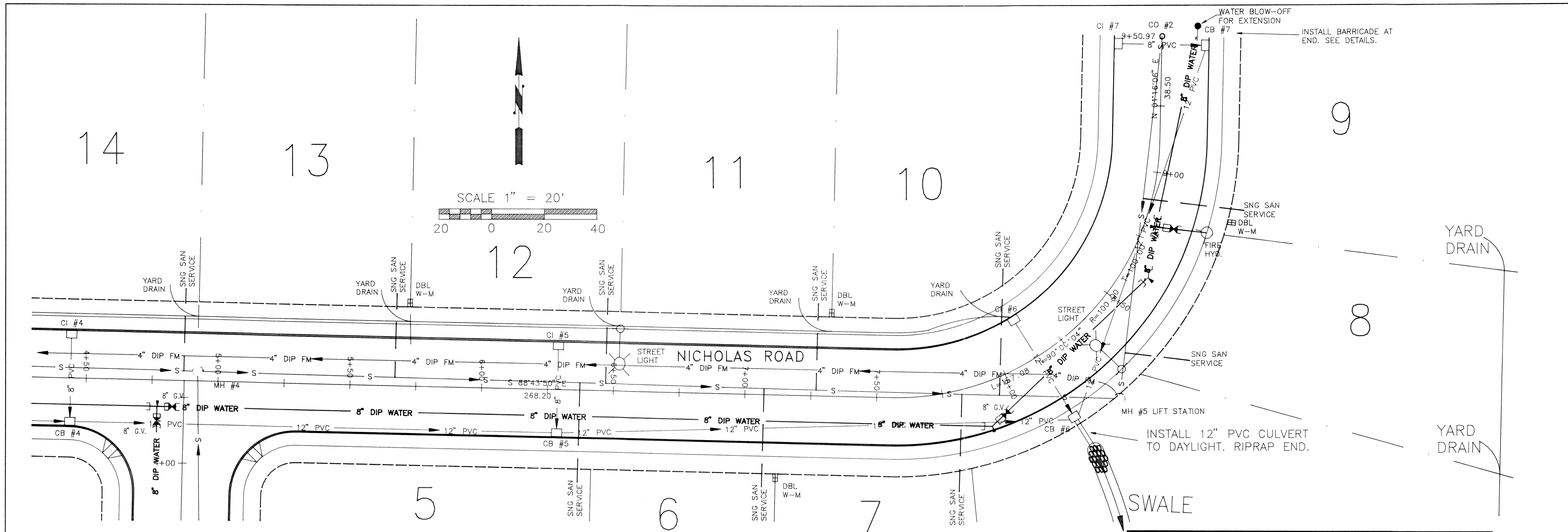
6851 Hanegan Rd. Suite 14
Lynden, Washington 98264
206-354-7617

DRAWN: BCS
CHECKED: KEJ
FILE: 9036\SH-3

**NICHOLAS, STREET & STORM
STA 0+00 - STA 4+40**

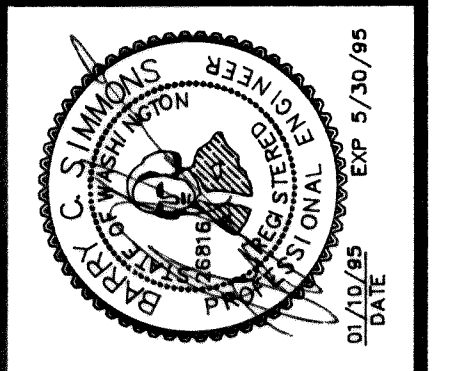
RYANS GLEN

APR 18 1995



WILMINGTON CONSULTING GROUP, INC.
6351 Hannegan Rd. Suite 14
Lynden, Washington 98264 206-354-7617

DRAWN: BCS
CHECKED: KEJ
FILE: 9036\SH-5



NICHOLAS, STREET & STORM
STA 4+40 - END
RYANS GLEN

NO.	DATE	DESCRIPTION
0	01/16/95	ISSUE
1	04/14/95	GENERAL

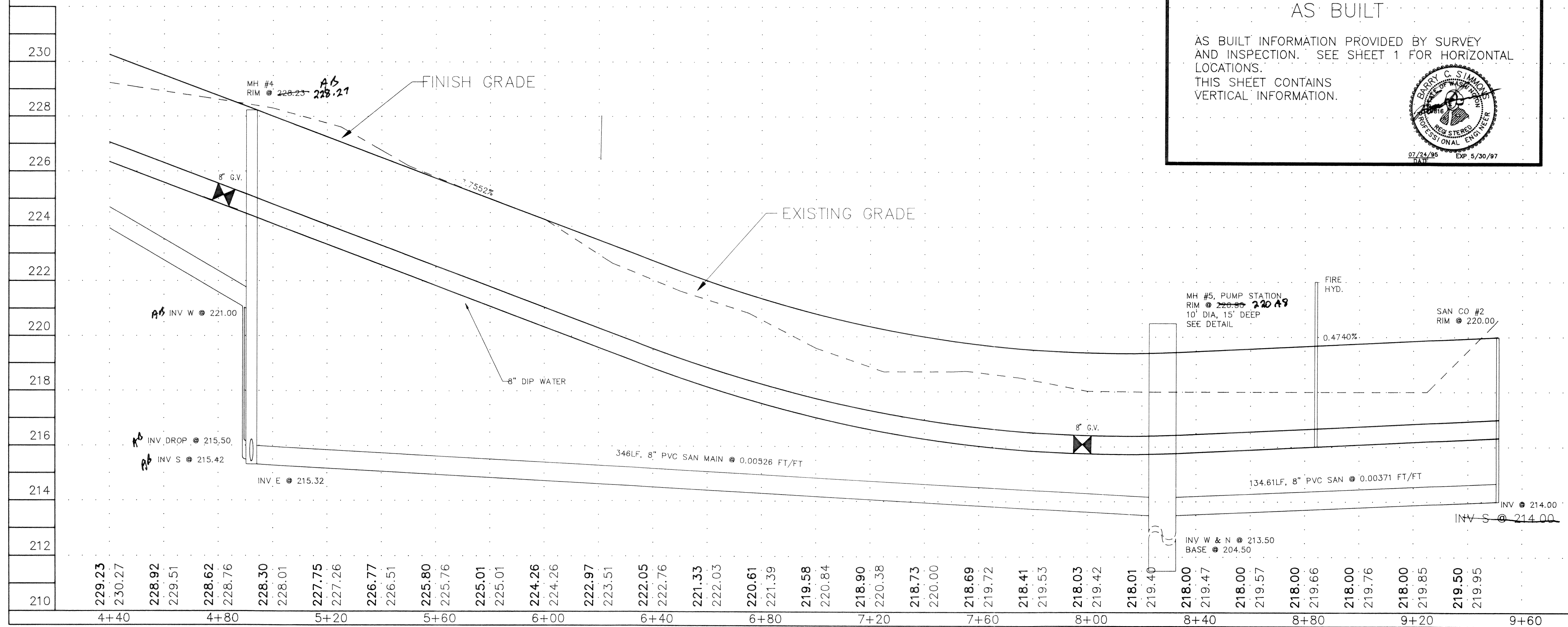
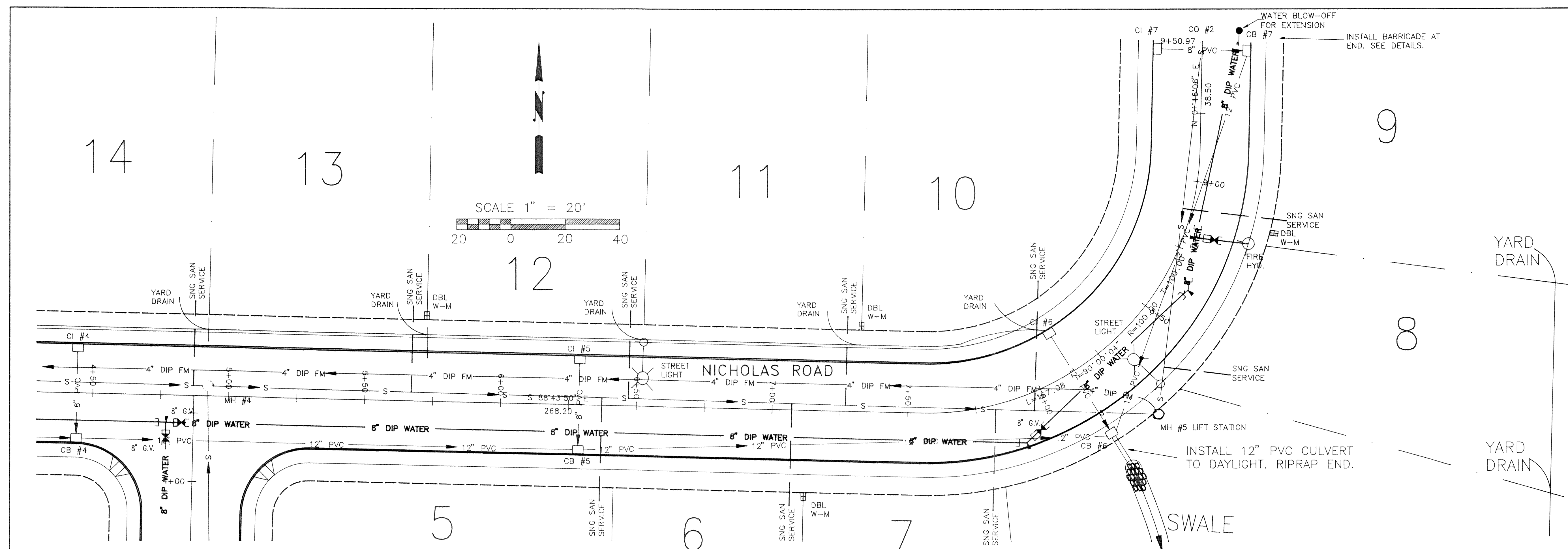
PROJECT NO. DATE
9036 07/07/93

SHEET TITLE
NICHOLAS
P&P 3

SHEET NO.
5 OF 12

APR 18 1995

00192.005 2-16-00



AS BUILT

AS BUILT INFORMATION PROVIDED BY SURVEY AND INSPECTION. SEE SHEET 1 FOR HORIZONTAL LOCATIONS. THIS SHEET CONTAINS VERTICAL INFORMATION.

230
228
226
224
222
220
218
216
214
212
210

DRAWN: BCS
CHECKED: KEJ
FILE: 9036/SH-6

NICHOLAS, SANITARY & WATER
STA 4+40 - END
RYANS GLEN

REVISIONS

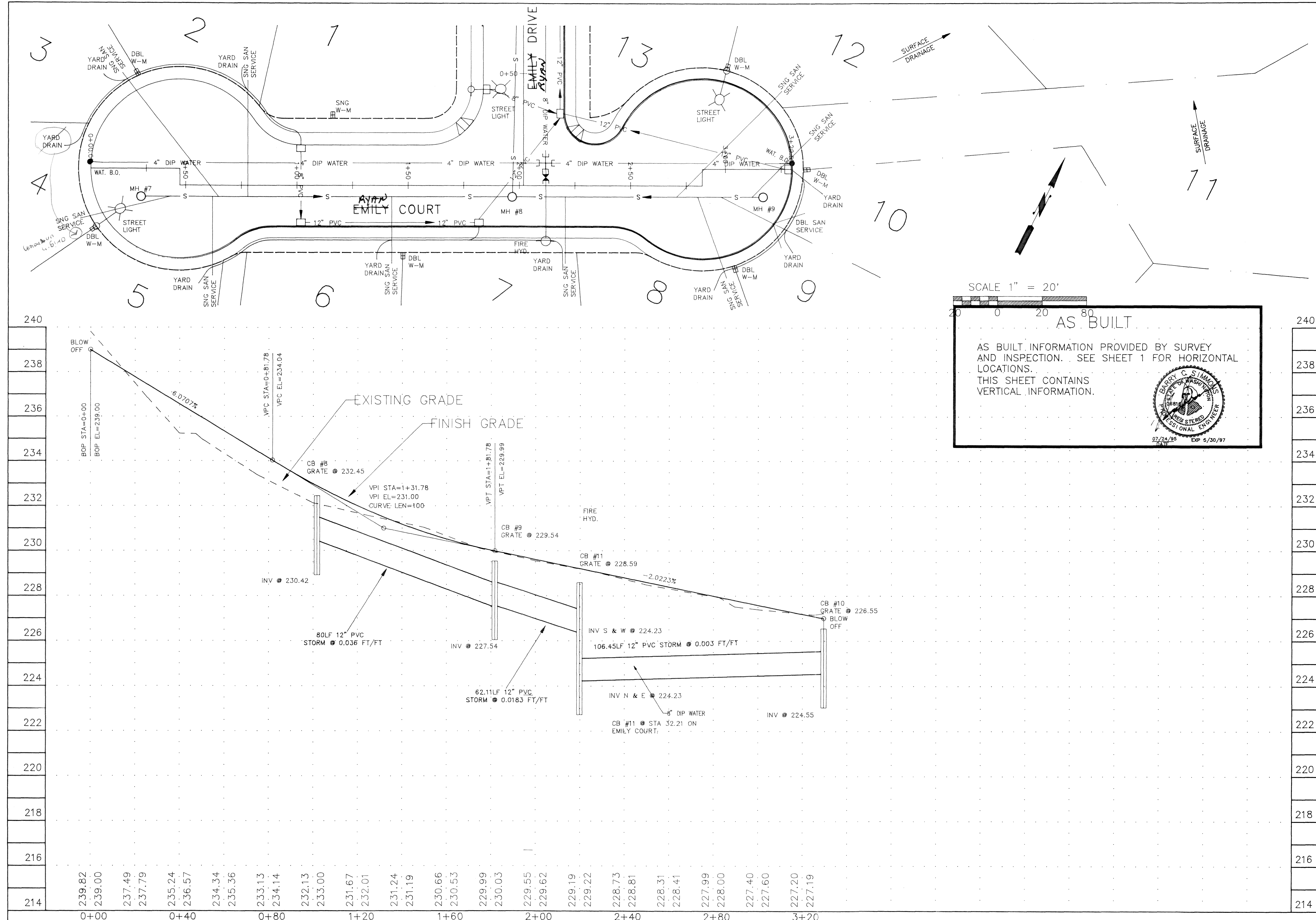
NO.	DATE	DESCRIPTION
0	01/16/95	ISSUE
1	04/14/95	GENERAL

PROJECT NO. 9036 DATE 07/07/93

SHEET TITLE
NICHOLAS
P&P #4

SHEET NO.
6 OF 14

APR 18 1995



SCALE 1" = 20'

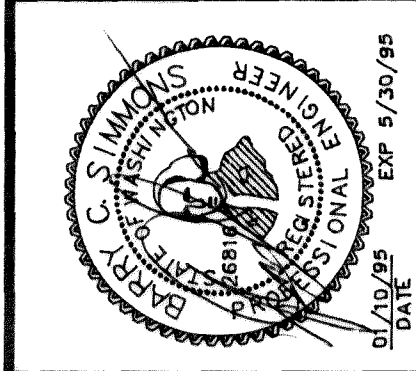
AS BUILT

AS BUILT INFORMATION PROVIDED BY SURVEY AND INSPECTION. SEE SHEET 1 FOR HORIZONTAL LOCATIONS. THIS SHEET CONTAINS VERTICAL INFORMATION.

07/24/95 DATE EXP 5/30/97

AMETRON CONSULTING GROUP, INC.
6051 Hannegan Rd. Suite 14
Lynden, Washington 98264 206-354-7617

DRAWN: BCS
CHECKED: KEJ
FILE: 9036 SH-7



EMILY COURT, STREET & STORM
PLAN & PROFILE
RYANS GLEN

REVISIONS

NO.	DATE	DESCRIPTION
0	01/16/95	ISSUE
1	04/14/95	GENERAL

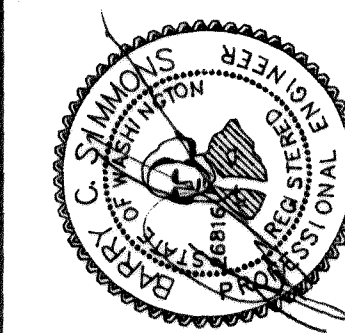
PROJECT NO. DATE
9036 07/07/93

SHEET TITLE
EMILY COURT

SHEET NO.
8 OF 12

APR 18 1995

DRAWN: BCS
CHECKED: KEJ
FILE: 9036\PP-4



EMILY COURT, SAN. & WATER
PLAN & PROFILE
RYANS GLEN

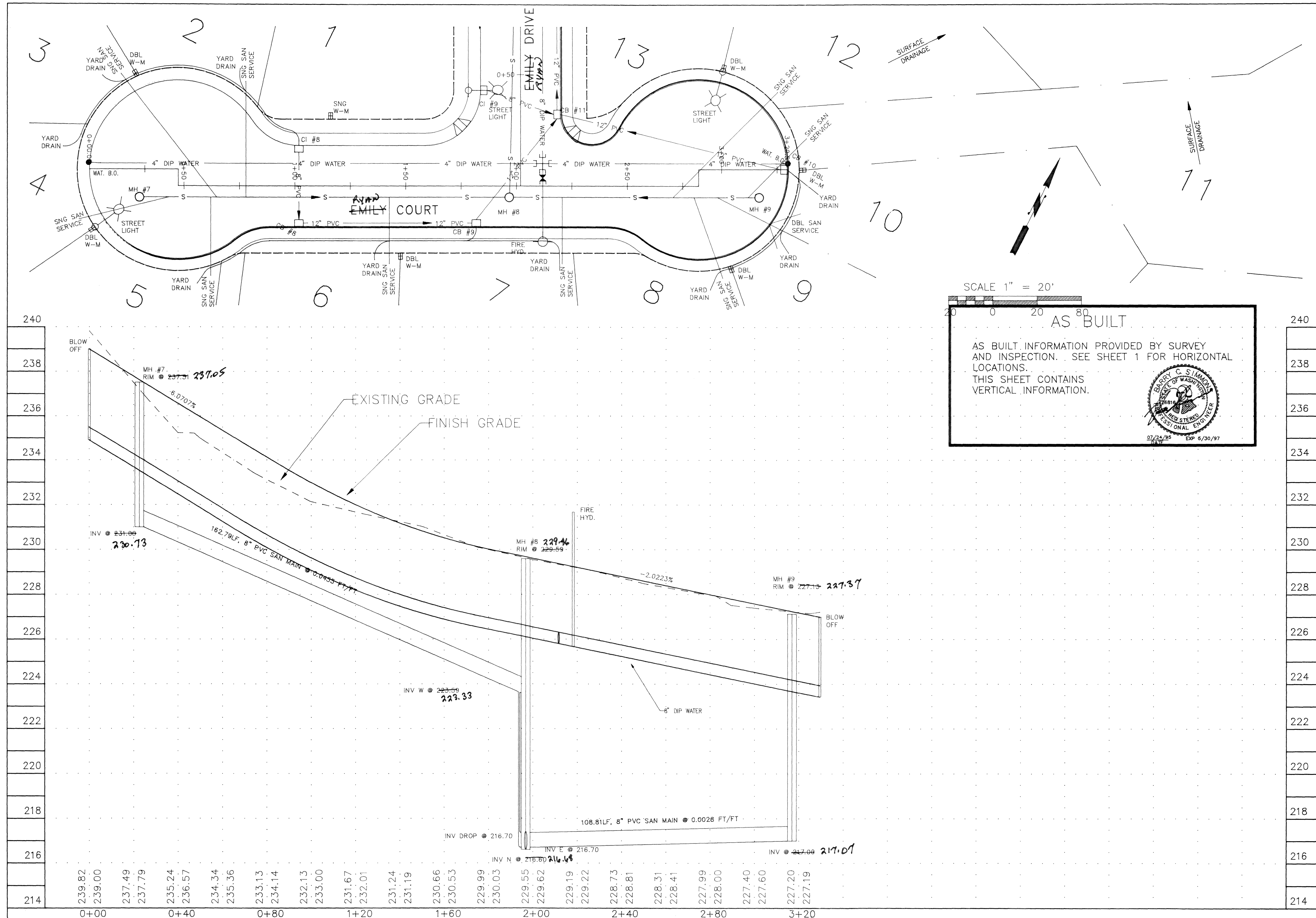
REVISIONS		
NO.	DATE	DESCRIPTION
0	01/16/95	ISSUE
1	04/14/95	GENERAL

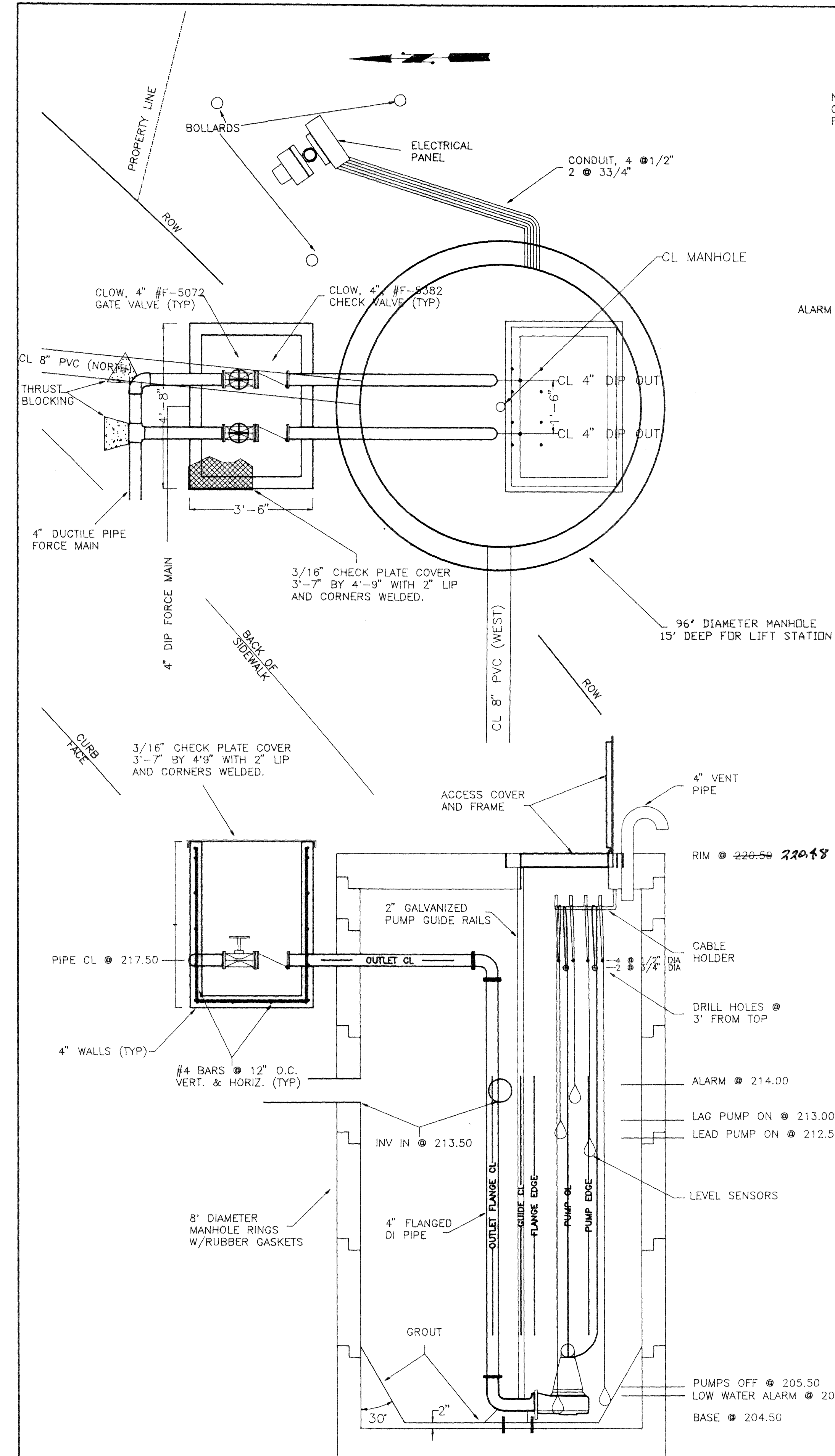
PROJECT NO. DATE
9036 07/07/93

SHEET TITLE
EMILY COURT

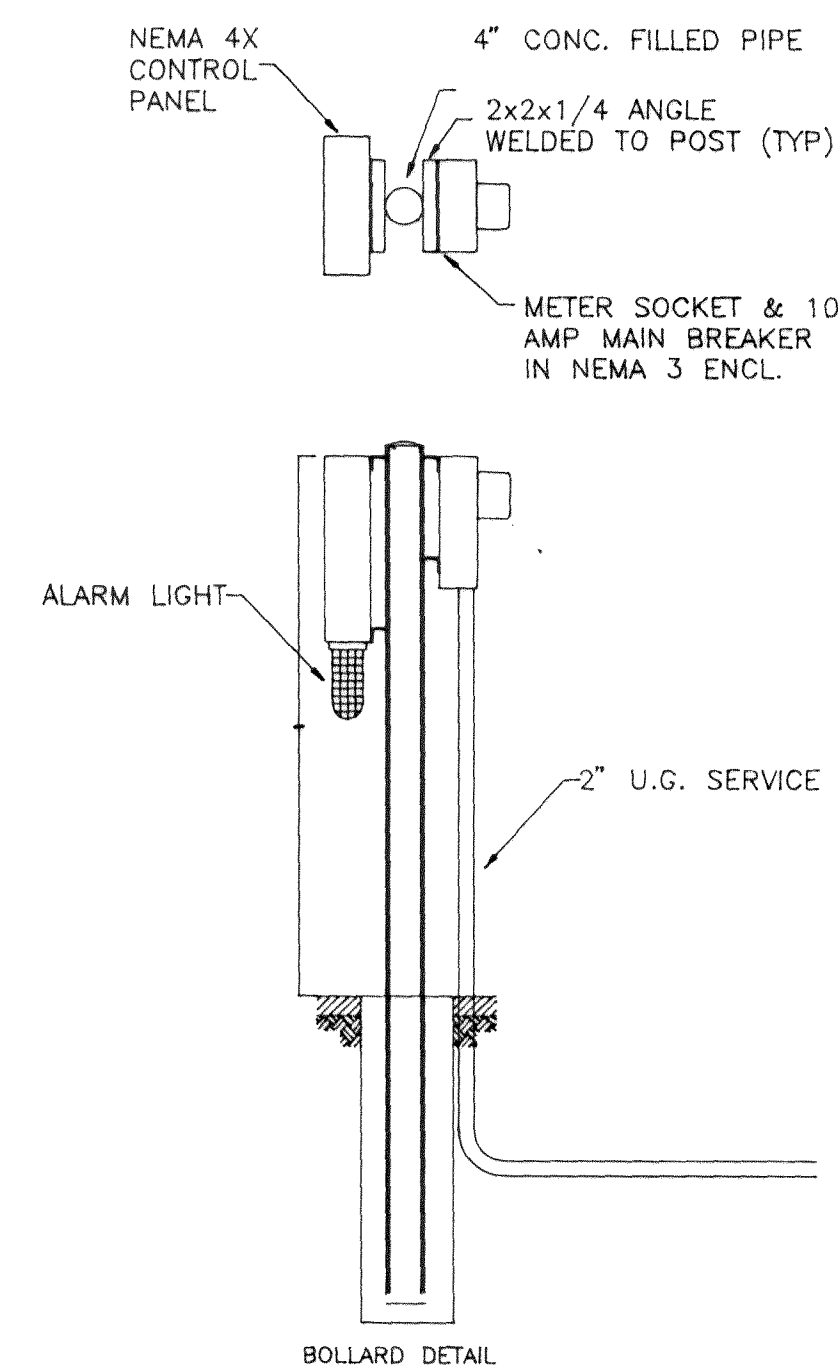
SHEET NO.
9 OF 12

APR 18 1995



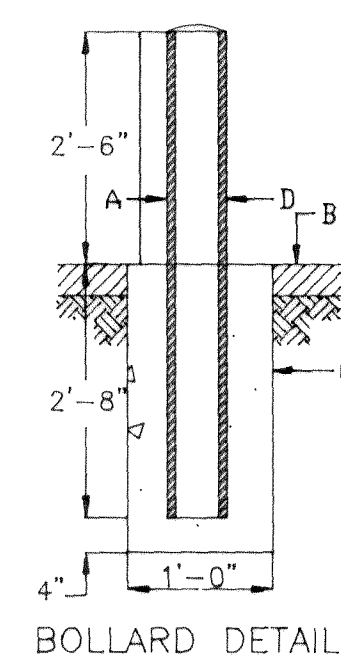


LIFT STATION DETAILS



LIFT STATION COMPONENTS BY FLYGT

1. PUMPS - MODEL CP3102-435
2. ACCESS COVER - MODEL SIR3048 (HALLIDAY 30x48)
3. UPPER GUIDE BRACKET
4. DISCHARGE CONNECTION - 540130S
5. CABLE HOLDER
6. FLUSH VALVE - 5565100
7. CONTROL PANEL - NEMA 4X
8. LEVEL SENSOR - 5828029
9. LIFTING CHAIN
10. MINI-CAS - 835848

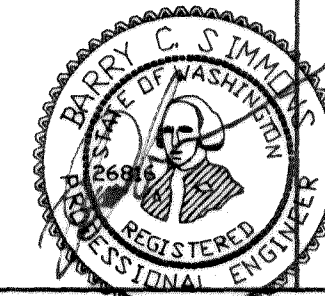


BOLLARD DETAIL

- A. 4" NOMINAL DIA. SCHEDULE 40 GALV. STEEL PIPE, 5'-2" TO BE FILLED W/CONC.
- B. PAVEMENT OR FINISHED GRADE.
- C. CONC. COLLAR, 3000 PSI AT 28 DAYS, W/SMOOTH OR BROOM FINISH WHERE PAVEMENT IS ADJACENT.
- D. EXPOSED STEEL AND SLEEVE TO BE PAINTED WITH AN OIL BASE ALKYD PRIMER AND AN OIL BASE ALKYD ENAMEL TOP COAT. COLOR TO BE BRIGHT YELLOW.

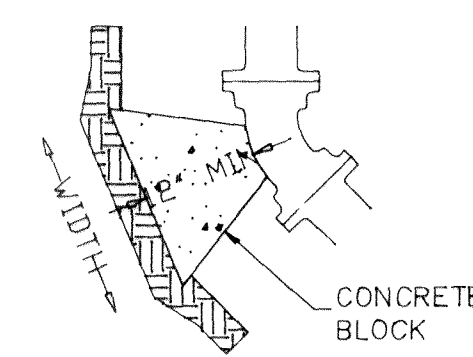
AS BUILT

AS BUILT INFORMATION PROVIDED BY SURVEY
AND INSPECTION. SEE SHEET 1 FOR HORIZONTAL
LOCATIONS.
THIS SHEET CONTAINS
VERTICAL INFORMATION.

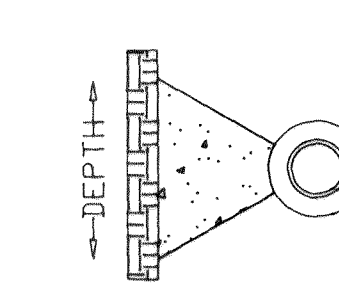


07/24/95 EXP 5/30/96

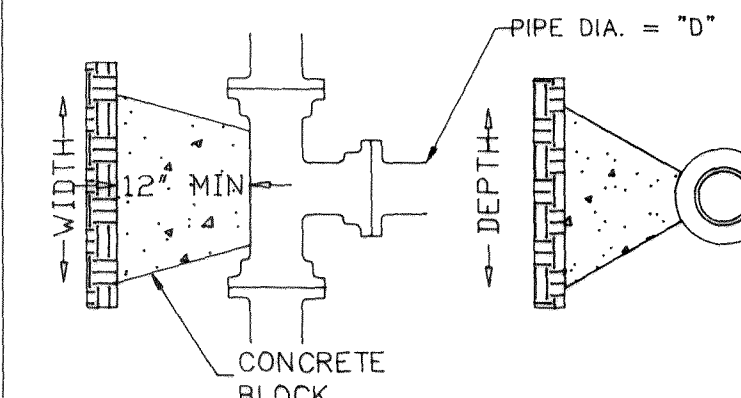
TYPICAL THRUST BLOCKING FOR BENDS AND TEES
100 P.S.I. OPERATING PRESSURE



PLAN VIEW



SECTION VIEW

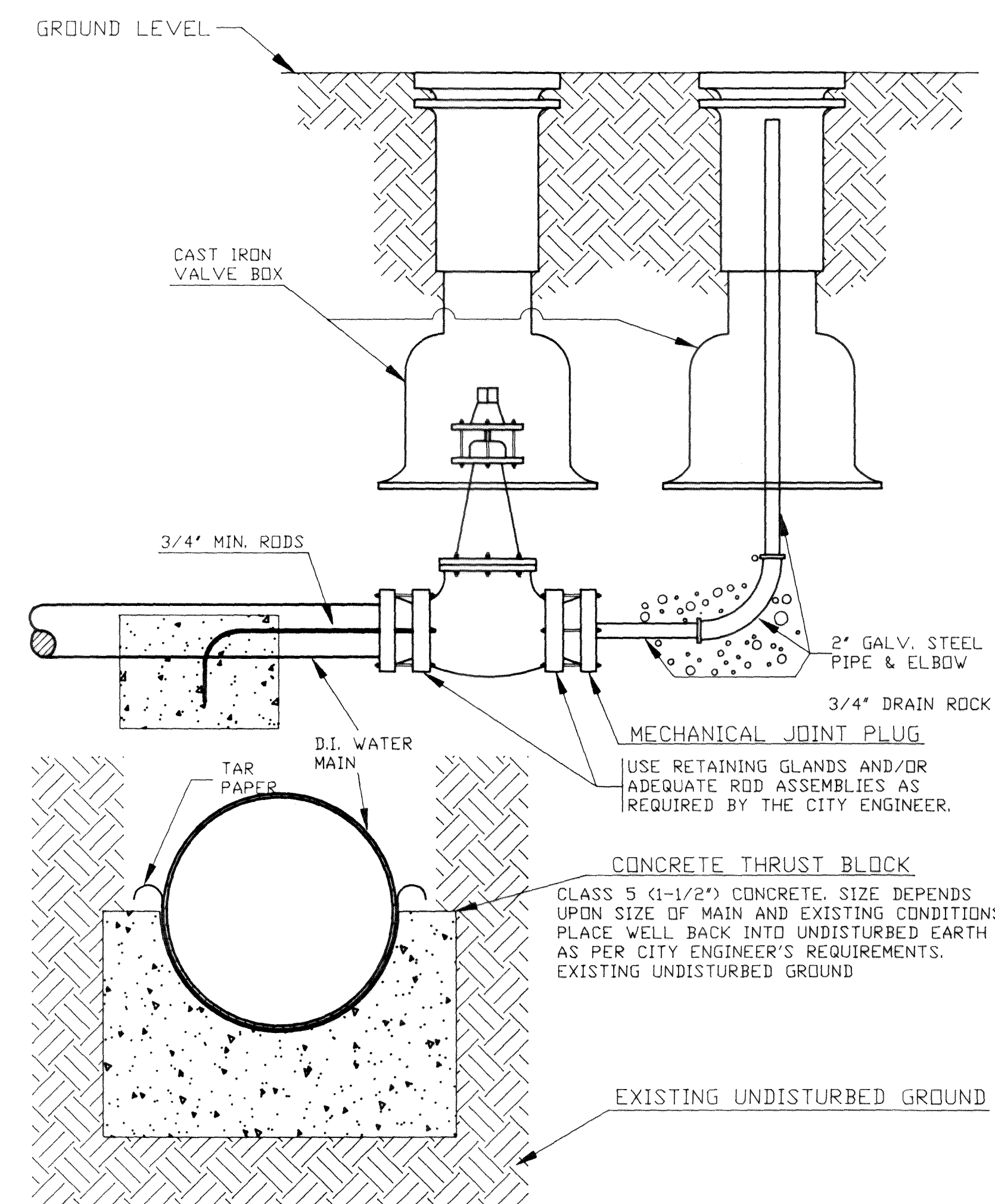


PLAN VIEW SECTION VIEW

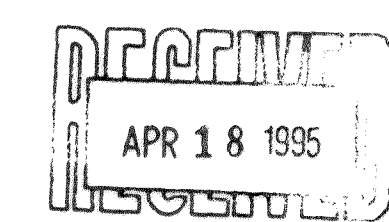
	11 1/4"		22 1/2"		45"		90"	
LINE SIZE	W	D	W	D	W	D	W	D
4" AND 6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	1'-6"	2'-3"	3'-1"
8"	1'-3"	1'-3"	1'-3"	1'-3"	1'-9"	1'-9"	3'-0"	2'-6"
10"	1'-9"	1'-6"	1'-9"	1'-6"	2'-3"	2'-3"	3'-6"	2'-6"
12"	2'-0"	1'-9"	2'-0"	1'-9"	2'-9"	2'-6"	4'-0"	3'-6"
16"	2'-9"	2'-3"	2'-9"	2'-3"	4'-0"	3'-6"	6'-3"	3'-6"
20"	3'-6"	2'-9"	3'-6"	2'-9"	4'-6"	4'-0"	6'-9"	4'-6"
24"	4'-6"	3'-0"	4'-6"	3'-0"	5'-6"	5'-0"	9'-9"	5'-0"

D	WIDTH	DEPTH
6"	1'-6"	1'-6"
8"	2'-0"	2'-0"
10"	2'-6"	2'-6"
12"	3'-0"	3'-0"
16"	4'-6"	3'-6"
20"	6'-0"	4'-0"
24"	7'-0"	5'-0"

ALL DIMENSIONS ABOVE APPLY TO STABLE,
UNDISTURBED TRENCH WALLS. UNDER OTHER
CONDITIONS, CONSULT THE ENGINEER.



2" BLOW-OFF FOR EXTENSION



...and CONQUESTRON
CONSULTING GROUP, INC.

6951 Hannegan Rd. Suite 14
Lynden, Washington 98264 206-354-7617

DRAWN: BCS

CHECKED: KEJ

FILE: 9036\DETAILS



DETAILS

RYANS GLEN

REVISIONS

NO. DATE DESCRIPTION

0 02/17/95 ISSUE

PROJECT NO. DATE

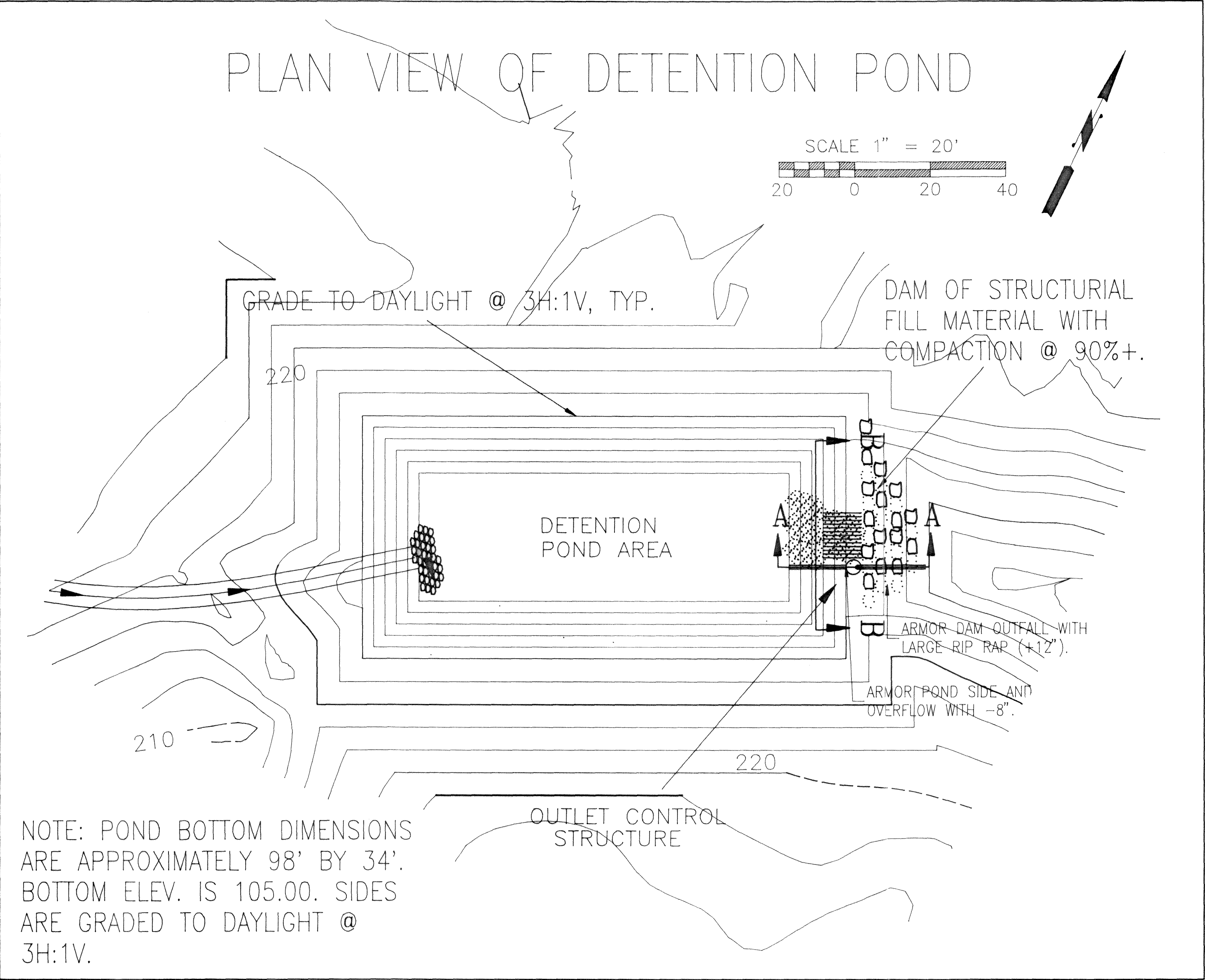
9036 07/07/93

SHEET TITLE

DETAILS

SHEET NO.

10 or 12

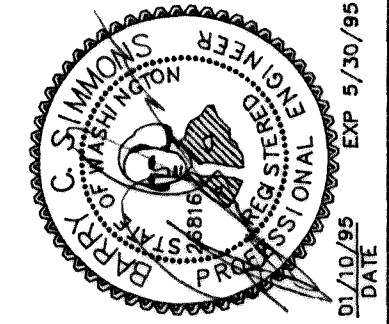


AS BUILT

AS BUILT INFORMATION PROVIDED BY SURVEY AND INSPECTION. SEE SHEET 1 FOR HORIZONTAL LOCATIONS. THIS SHEET CONTAINS VERTICAL INFORMATION.

07/24/95 DATE

EXP 5/30/97



DETENTION POND DETAILS

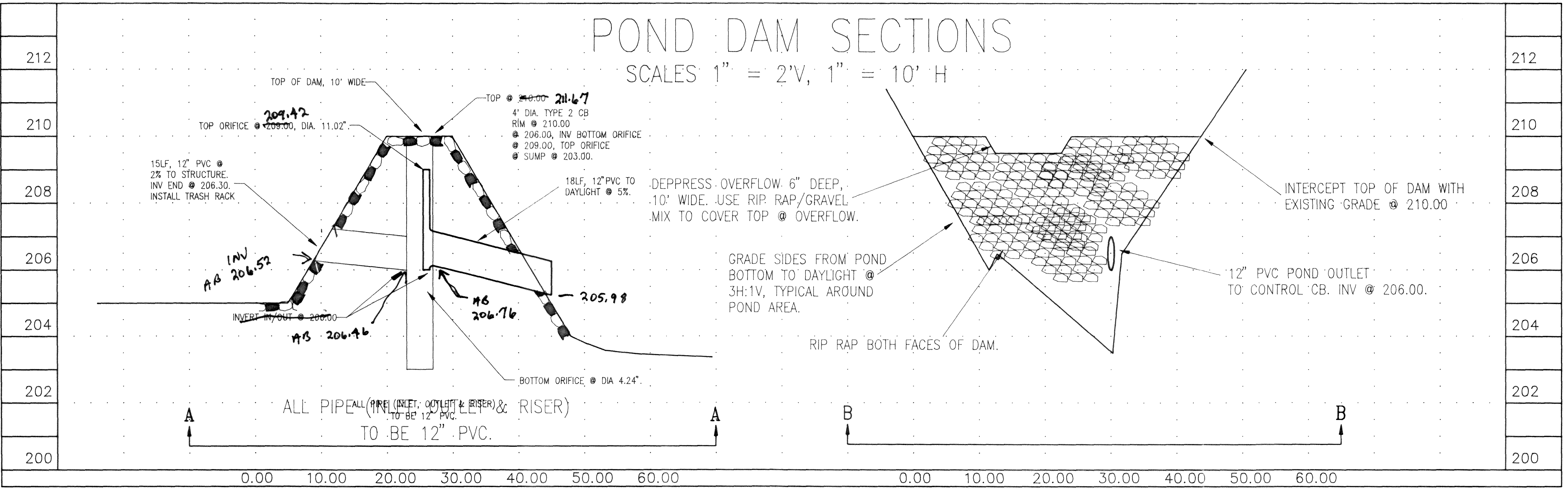
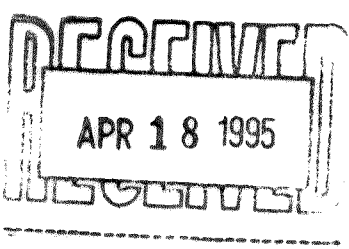
RYANS GLEN

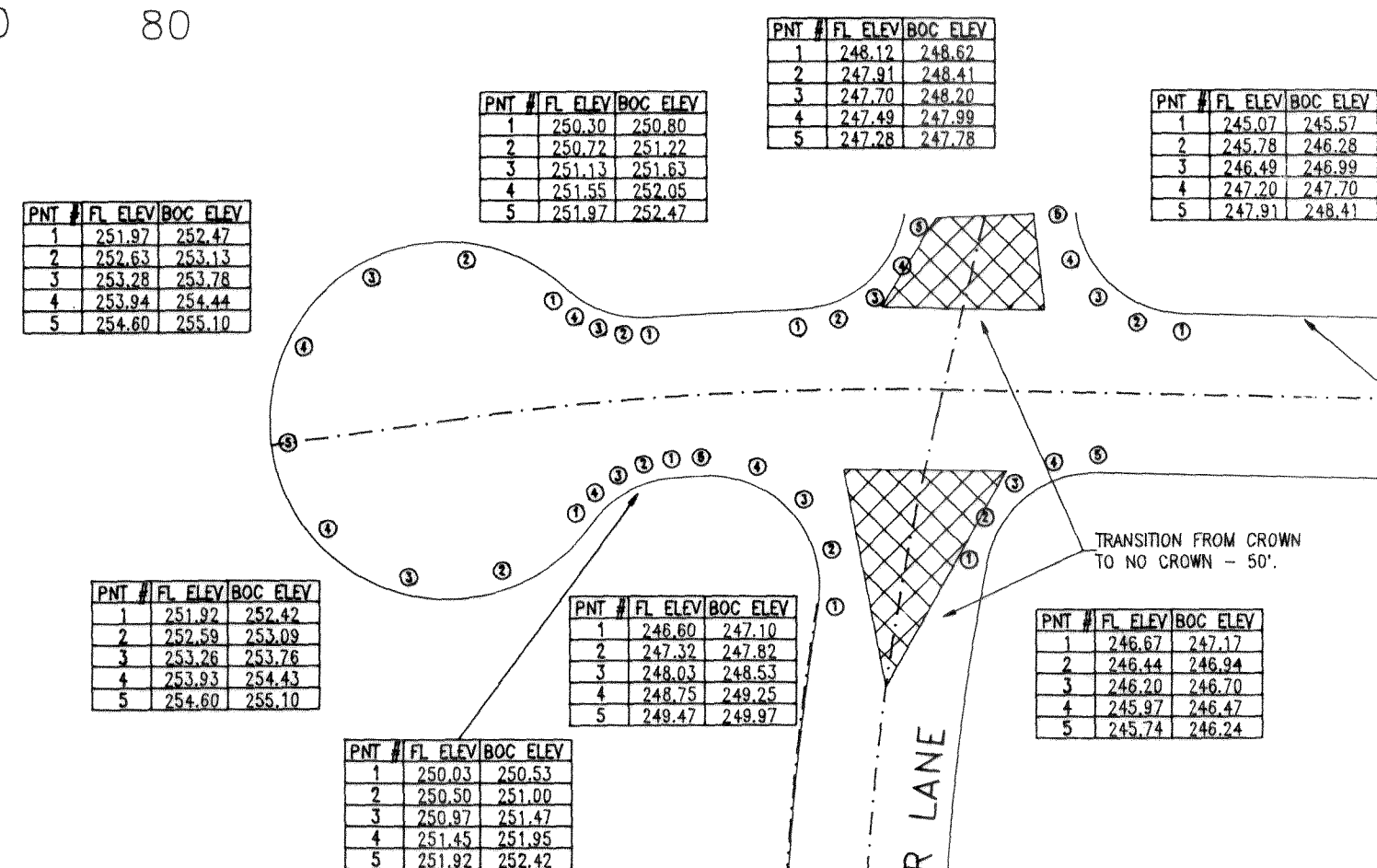
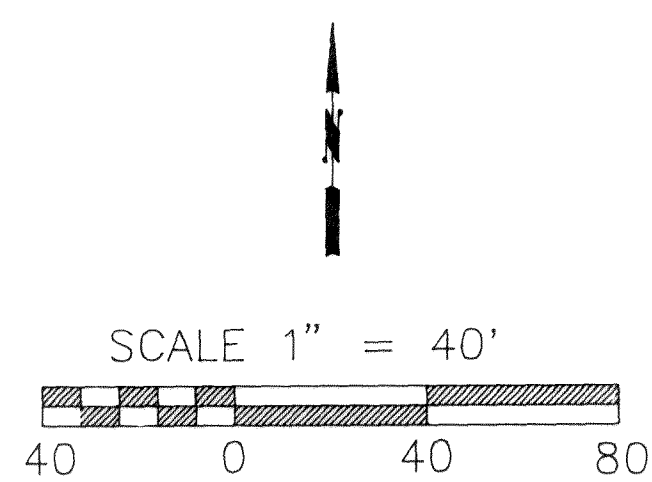
REVISIONS		
NO.	DATE	DESCRIPTION
0	01/16/95	ISSUE
1	04/14/95	GENERAL

PROJECT NO. DATE
9036 07/07/93

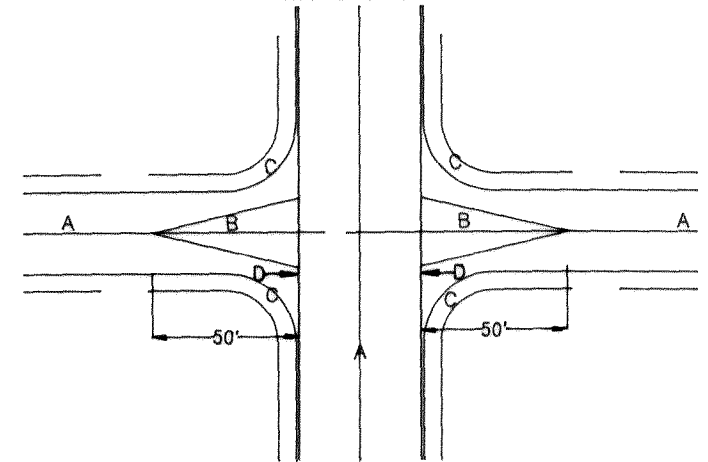
SHEET TITLE
DETENTION
DETAILS

SHEET NO.
11 OF 12





TYPICAL RESIDENTIAL STREET INTERSECTION GRADING CONCEPT

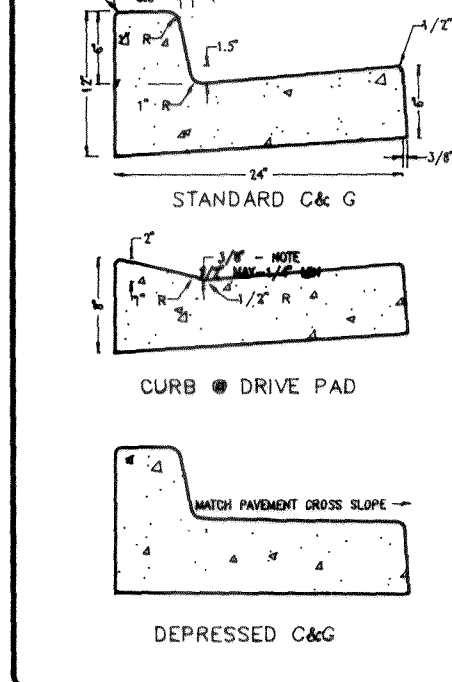


CONSTRUCTION NOTES

- NORMAL 2% CROWN FOR RESIDENTIAL STREET.
- TRANSITION SECTION FROM FULL CROWN TO NO CROWN SECTION.
- CURB RETURN.
- FLOWLINE OF GUTTER.

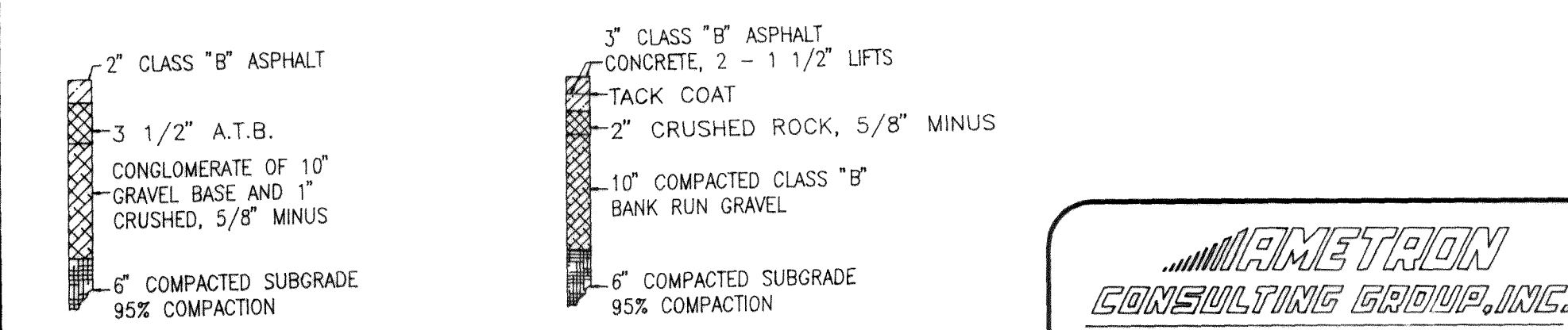
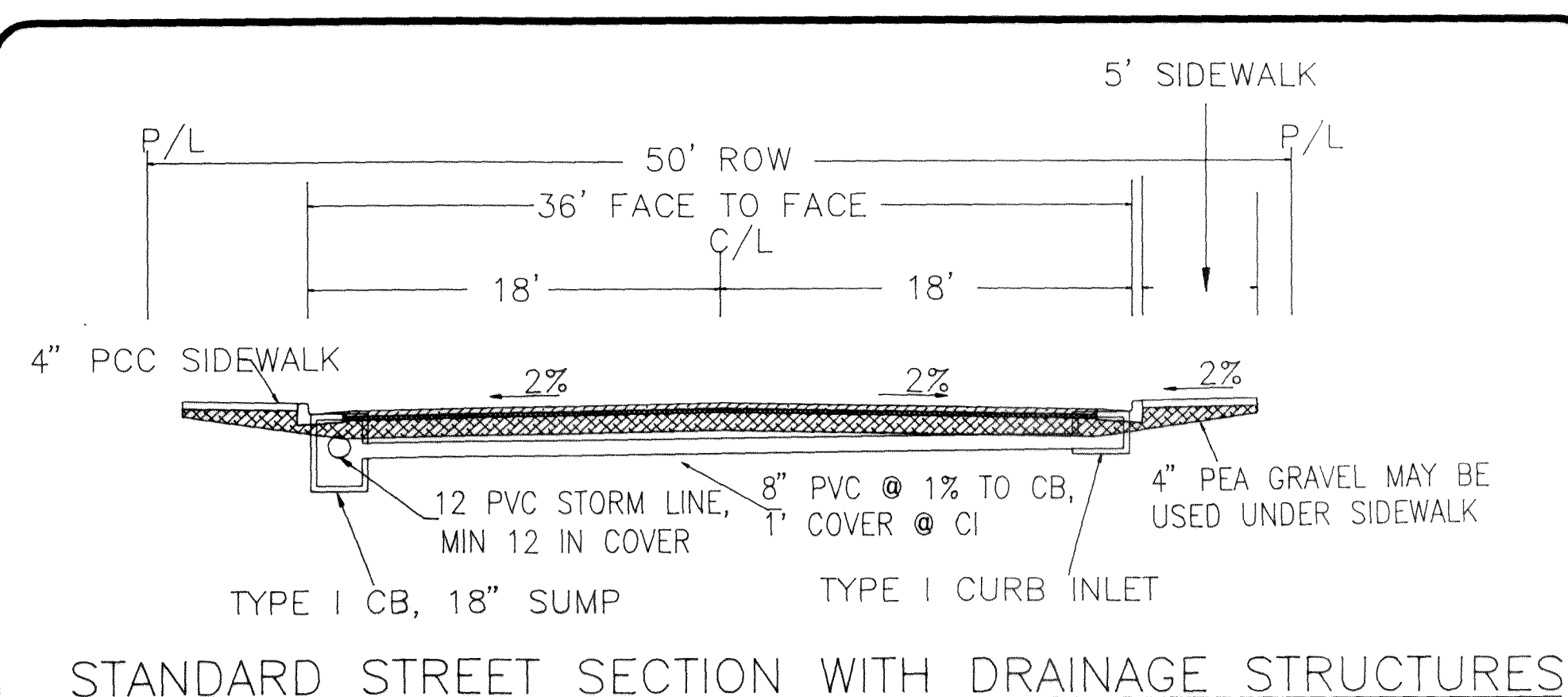
PAVING
TYPICAL RESIDENTIAL STREET INTERSECTION
DWG. NO. 2401-B

CONSTRUCTION NOTES



- CURBS, GUTTERS, & CUT-OFF WALL TO BE CONSTRUCTED OF P.C.C., "CLASS C".
- FOR STANDARD AND MEDIAN C&G PROVIDE CONTRACTION JTS. 10' C/C MAX. JOINTS MUST COMPLETELY SEVER THE STRUCTURE 1/2 THE THICKNESS.
- 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 IMMEDIATELY AFTER FINISHING.

PAVING
CURB AND GUTTER SECTION
DWG. NO. 2415-B

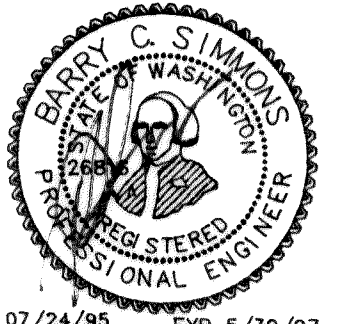


PAVING
36' F-F RESIDENTIAL STREET WITH CATCH BASINS
DWG. NO. 2405-B

CL STA	CL ELEV	F/L ELEV	PLUS SUPER	SUPER F/L ELEV	BOC SUPER ELEV
660	229.03	221.67	0.000	221.670	222.170
670	221.70	221.34	0.072	221.412	221.912
680	221.30	221.03	0.144	221.174	221.674
690	221.10	220.74	0.216	220.956	221.456
700	220.84	220.48	0.288	220.768	221.268
710	220.80	220.24	0.360	220.600	221.100
720	220.38	220.02	0.432	220.452	220.952
730	220.10	219.82	0.504	220.324	220.824
740	220.00	219.84	0.576	220.216	220.716
750	219.85	219.49	0.648	220.138	220.638
760	219.74	219.36	0.720	220.060	220.560
770	219.61	219.25	0.720	219.970	220.470
780	219.53	219.17	0.720	219.890	220.390
790	219.40	219.10	0.720	219.820	220.320
800	219.42	219.06	0.720	219.780	220.280
810	219.40	219.04	0.720	219.760	220.260
820	219.40	219.04	0.720	219.760	220.260
830	219.42	219.07	0.720	219.780	220.280
840	219.47	219.11	0.720	219.830	220.330
850	219.59	219.15	0.720	219.880	220.380
860	219.57	219.21	0.720	219.936	220.436
870	219.62	219.26	0.720	219.990	220.480
880	219.66	219.30	0.720	220.042	220.526
890	219.71	219.35	0.720	220.076	220.570
900	219.76	219.40	0.720	220.120	220.620
910	219.81	219.45	0.720	220.168	220.668
920	219.85	219.49	0.720	220.206	220.696
930	219.90	219.54	0.720	220.248	220.738
940	219.95	219.59	0.720	220.292	220.782
950	220.00	219.64	0.720	220.330	220.820
960	220.05	219.69	0.720	220.372	220.862
970	220.10	219.74	0.720	220.418	220.908
980	220.15	219.79	0.720	220.464	220.954
990	220.20	219.84	0.720	220.510	221.000
1000	220.25	219.89	0.720	220.556	221.046

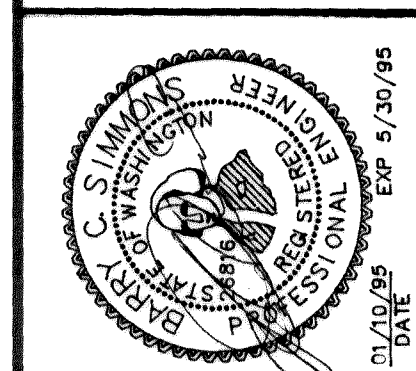
AS BUILT

AS BUILT INFORMATION PROVIDED BY SURVEY AND INSPECTION. SEE SHEET 1 FOR HORIZONTAL LOCATIONS.
THIS SHEET CONTAINS CURB LINE DATA AND STREET SECTION DATA.



AMETRON CONSULTING GROUP, INC.
6051 Hannagan Rd, Suite 14
Lynden, Washington 98264 206-354-7617

DRAWN: BCS
CHECKED: KEJ
FILE: 9036\PLAN



PAVEMENT/CURB DATA
RYANS GLEN

REVISIONS
NO. DATE DESCRIPTION
1 01/16/95 ISSUE
1 04/14/95 GENERAL

PROJECT NO. DATE
9036 07/07/93

SHEET TITLE
PAVE DATA

SHEET NO.
12 OF 12