

CASCADE CHRISTIAN SCHOOL PUYALLUP

PORTION OF THE S 1/2 OF SEC 26 AND N 1/2 OF SEC 35 TWP. 20N., RGE. 4 E. W.M. PIERCE COUNTY, WA

DESCRIPTIONS:

PARCEL A:

THE NORTH HALF OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, IN PUYALLUP, PIERCE COUNTY, WASHINGTON. EXCEPT THE SOUTH 144 FEET OF THE WEST 150 FEET THEREOF. ALSO EXCEPT THE WEST 30 FEET AS CONVEYED TO PIERCE COUNTY FOR STREET PURPOSES BY DEED RECORDED JUNE 30, 1905 UNDER RECORDING NUMBER 193348.

PARCEL B:

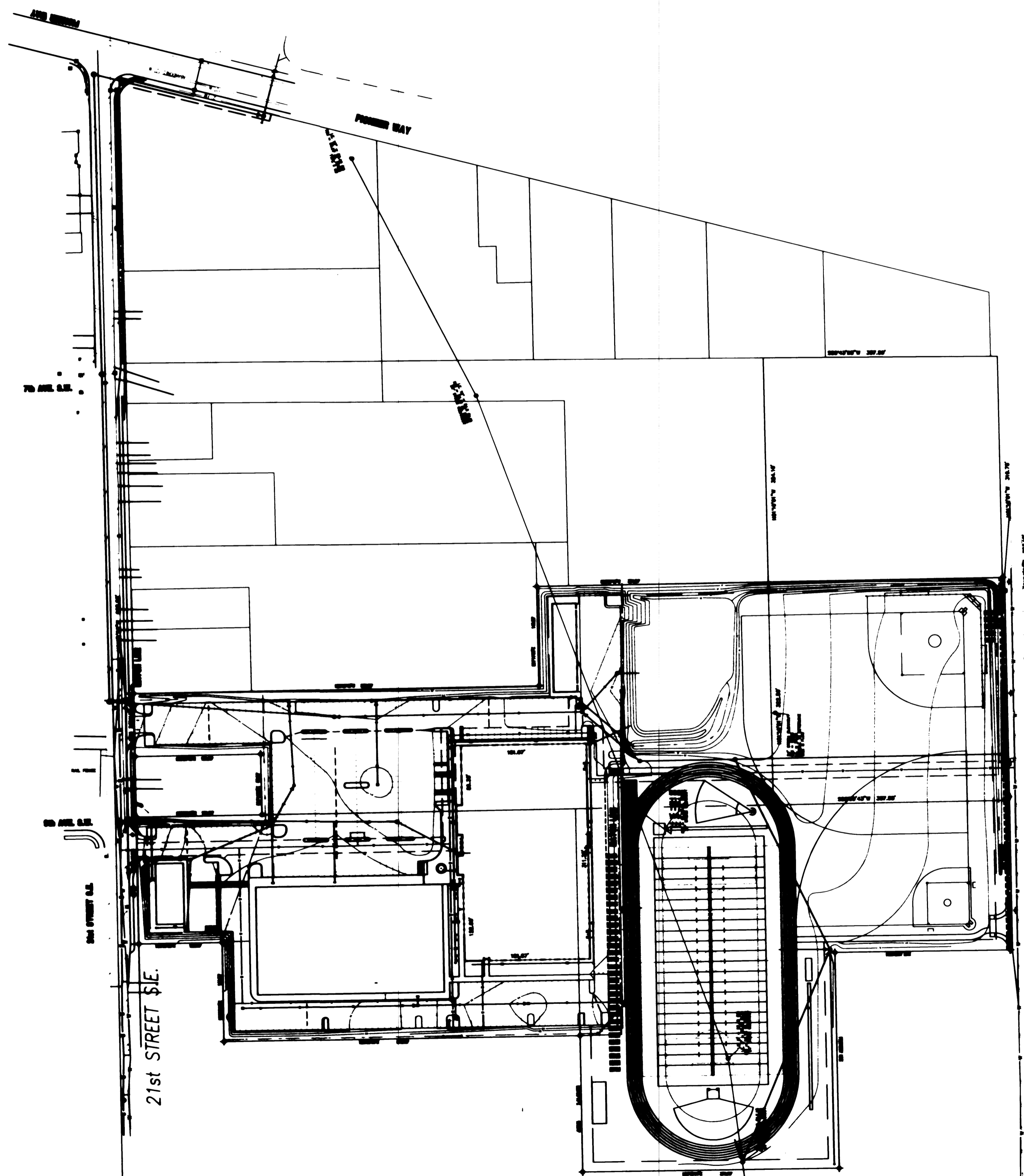
BEGINNING AT A POINT ON THE SOUTH BOUNDARY OF SECTION 26, TOWNSHIP 20 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, IN PIERCE COUNTY, WASHINGTON, 377.55 FEET WEST OF THE ONE-QUARTER SECTION CORNER IN THE SOUTH BOUNDARY OF SAID SECTION, SAID POINT BEING THE SOUTHWEST CORNER OF PREMISES HERETO CONVEYED TO ALFRED SCHEFFERT BY DEED RECORDED IN VOLUME 333 OF DEEDS AT PAGE 451, RECORDS OF PIERCE COUNTY, WASHINGTON; THENCE CONTINUING NORTH ALONG THE WEST BOUNDARY OF SCHEFFERT PREMISES 322.6 FEET; THENCE WEST 383 FEET, MORE OR LESS, TO A POINT 585 FEET EAST OF THE EAST LINE OF 25TH STREET S.E., IN THE CITY OF PUYALLUP; THENCE SOUTH ALONG A LINE PARALLEL WITH AND 585 FEET EAST OF SAID STREET TO A POINT 179.25 FEET NORTH OF THE SOUTH BOUNDARY OF SAID SECTION; THENCE WEST PARALLEL WITH THE SOUTH BOUNDARY OF SAID SECTION, 585 FEET, MORE OR LESS, TO THE EAST BOUNDARY OF 21ST STREET S.E.; THENCE SOUTH 179.25 FEET TO THE SOUTH BOUNDARY OF SAID SECTION; THENCE EAST 948 FEET TO THE POINT OF BEGINNING. EXCEPT THE SOUTH 88 FEET OF THE WEST 181 FEET THEREOF.

PARCEL C:

THE NORTH HALF OF THE NORTHEAST QUARTER OF THE NORTH-EAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, TOGETHER WITH A PORTION OF THE SOUTH HALF OF THE NORTH HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, IN PUYALLUP, PIERCE COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT A POST STANDING 328 FEET SOUTH AND 633.9 FEET EAST OF A POINT WHERE THE EAST LINE OF 21ST STREET S.E. INTERSECTS THE NORTH LINE OF SAID SECTION 35, IN THE CITY OF PUYALLUP; THENCE EAST 623.1 FEET TO A POST IN THE WEST LINE OF THE STREET; THENCE SOUTH 198 FEET TO A POST; THENCE NORTH 89°50' WEST 623.1 FEET TO A POST; THENCE NORTH 198.746 FEET TO POINT OF BEGINNING. EXCEPT THE SOUTH 312.48 FEET OF THE EAST 293.06 FEET THEREOF.

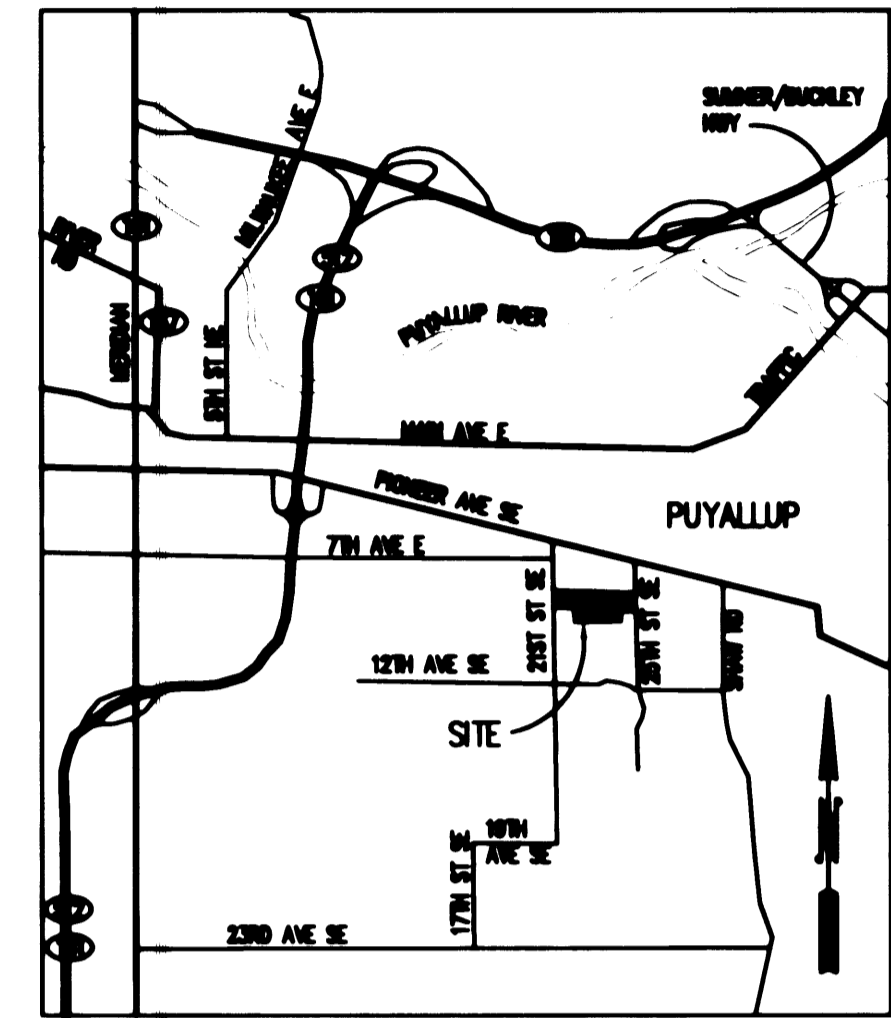
ALSO EXCEPT THE EAST 40 FEET FOR 25TH STREET S.E. AS CONVEYED TO PIERCE COUNTY BY DEED RECORDED JUNE 30, 1905 UNDER NUMBER 193348.



CONSTRUCTION SEQUENCE

1. ALL AREAS THAT HAVE BEEN DISTURBED DURING THE GRADING PROCESS THAT WILL NOT BE IMMEDIATELY AFFECTED BY BUILDING CONSTRUCTION AND/OR SITE WORK SHALL BE STABILIZED W/ MIN. 2" OF STRAW. ALL TEMPORARY SWALES, DITCHES, AND SLOPES SHALL BE STABILIZED W. WASHED ROCK AND/OR QUARRY SPALLS AS NECESSARY.

MAINTAIN THE EXISTING EROSION CONTROL MEASURES AND PROVIDE ANY NEW FACILITIES NEEDED AS REQUIRED BY THE EROSION CONTROL NOTES ON SHEET RC2 OF THE PRELOAD PLAN SET.
2. BEGIN BUILDING CONSTRUCTION AFTER THE WATER SYSTEM HAS BEEN INSTALLED AND APPROVED. CONSTRUCT ROOF DRAINAGE SYSTEM TO DETENTION POND.
3. PROVIDE DOWNSTREAM STORM CONVEYANCE SYSTEM FROM THE POND TO THE POINT OF DISCHARGE ON THE NORTH SIDE OF PIONEER WAY.
4. CONSTRUCT - MODIFY DETENTION POND, CONSTRUCT ONSITE SEWER SYSTEM, BEGIN FINAL GRADING AND PAVING. CONSTRUCT REMAINING STORM SYSTEM.
5. PROVIDE FIELD GRADING.
6. CONSTRUCT 21ST AND 25TH STREET IMPROVEMENTS.
7. PROVIDE LANDSCAPING AS SHOWN ON THE LANDSCAPE PLANS.
8. REMOVE TEMPORARY EROSION CONTROL MEASURES WHEN PERMANENT MEASURES ARE STABILIZED AND REMOVAL IS AUTHORIZED BY THE CITY INSPECTOR.

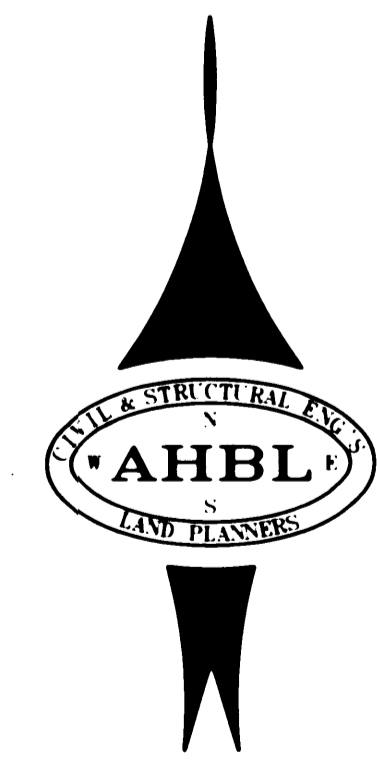


DRAWING INDEX

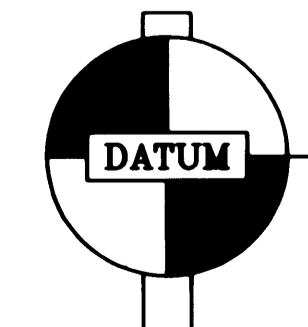
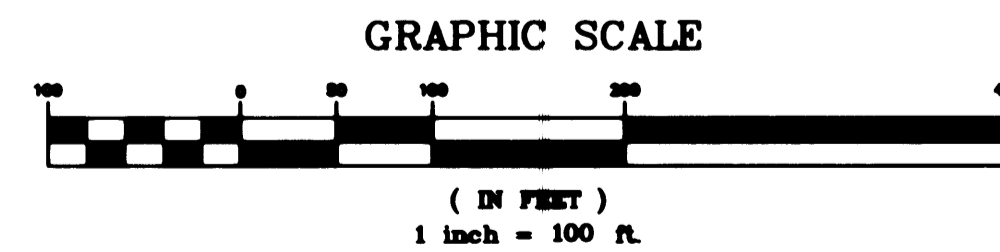
- C1 COVER SHEET
 - C2 GRADING AND DRAINAGE
 - C3 GRADING AND DRAINAGE
 - C4 SEWER PLAN & PROFILE, WATER SERVICES
 - C5 GENERAL NOTES AND DETAILS
 - C6 GENERAL NOTES & DETAILS
 - C7 GENERAL NOTES & DETAILS
 - C8 GENERAL NOTES & DETAILS
 - C9 PAVING & SITE DIMENSION PLAN
 - C10 PAVING & SITE DIMENSION PLAN (STREET DESIGN)
 - C11 OFFSITE STORM & 21ST IMPROVEMENTS (NOT COMPLETE)
 - C12 OFFSITE 25TH FRONTAGE IMPROVEMENTS (NOT COMPLETE)
 - C13 OFFSITE PLAN NOTES & DETAILS (NOT COMPLETE)
- PRELOAD & WATER PLANS APPROVED UNDER PREVIOUS PERMIT ATTACHED FOR REFERENCE.

LEGEND:

EXISTING	DESCRIPTION	PROPOSED
W	WATER METER	
H	FIRE HYDRANT	
V	WATER VALVE	
W-W	WATER LINE (W)	
S-O	SEWER MANHOLE (SSMH)	
S-S	SEWER LINE (S)	
CB	CATCH BASIN (CB)	
S-O	STORM MANHOLE (SDMH)	
D-D	STORM LINE (D)	
RD	ROOF DRAIN LINE (RD)	
P	POWER POLE	
P-P	POWER LINE (P)	
	CONTOUR	62
	SETTLEMENT MARKER	
	GRAVEL CHECK DAM	
	SILT FENCE	
	INTERCEPTOR DITCH	85.0
	SPOT ELEVATION	
	DRAIN FLOW DIRECTION	
	PROPERTY LINE IS ALSO CLEARING LIMIT	
	EXTRUDED CURBING	
	GRADE BREAK	



SURVEY BY:
E.J. RODY & SONS, INC.
8705 CANYON RD. E.
PUYALLUP, WA 98371
(206) 539-0766



PIERCE COUNTY

BENCHMARK: # 56-1 N.W. CORNER BOTTOM CONCRETE STEP TO RES. ON S.E. QUAD, INT. 25TH ST. S.E. & PIONEER. ELEV = 62.163'



APPROVED
BY: *[Signature]*
CITY ENGINEER
DATE: 5/22/96
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE.
ANY ERRORS AND/OR OMISSIONS ARE NOT THE RESPONSIBILITY OF THE CITY OF PUYALLUP.

BROWN CONNALLY ROWAN ARCHITECTS
200 EAST 20th STREET SUITE 100 TACOMA, WA 98401 TEL: (206) 867-4807 FAX: (206) 867-4808
DATE: 7/23/97

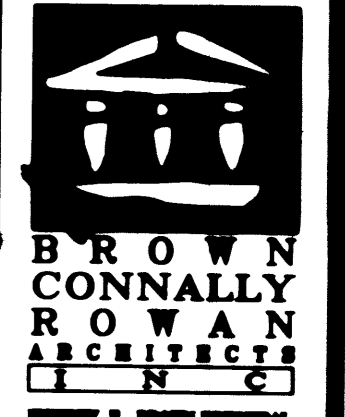
Project No. _____
Date: APRIL 22, 1996
Drawn By: WV
Checked By: SS

Project: **CASCADE CHRISTIAN SCHOOLS**
Drawing Title: **PHASE I CIVIL COVER SHEET FINAL PLANS**
Sheet No. **C1**

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

PORTION OF THE S 1/2 OF SEC 26 AND N 1/2 OF SEC 35 TWP. 20N., RGE. 4 E. W.M. PIERCE COUNTY, WA

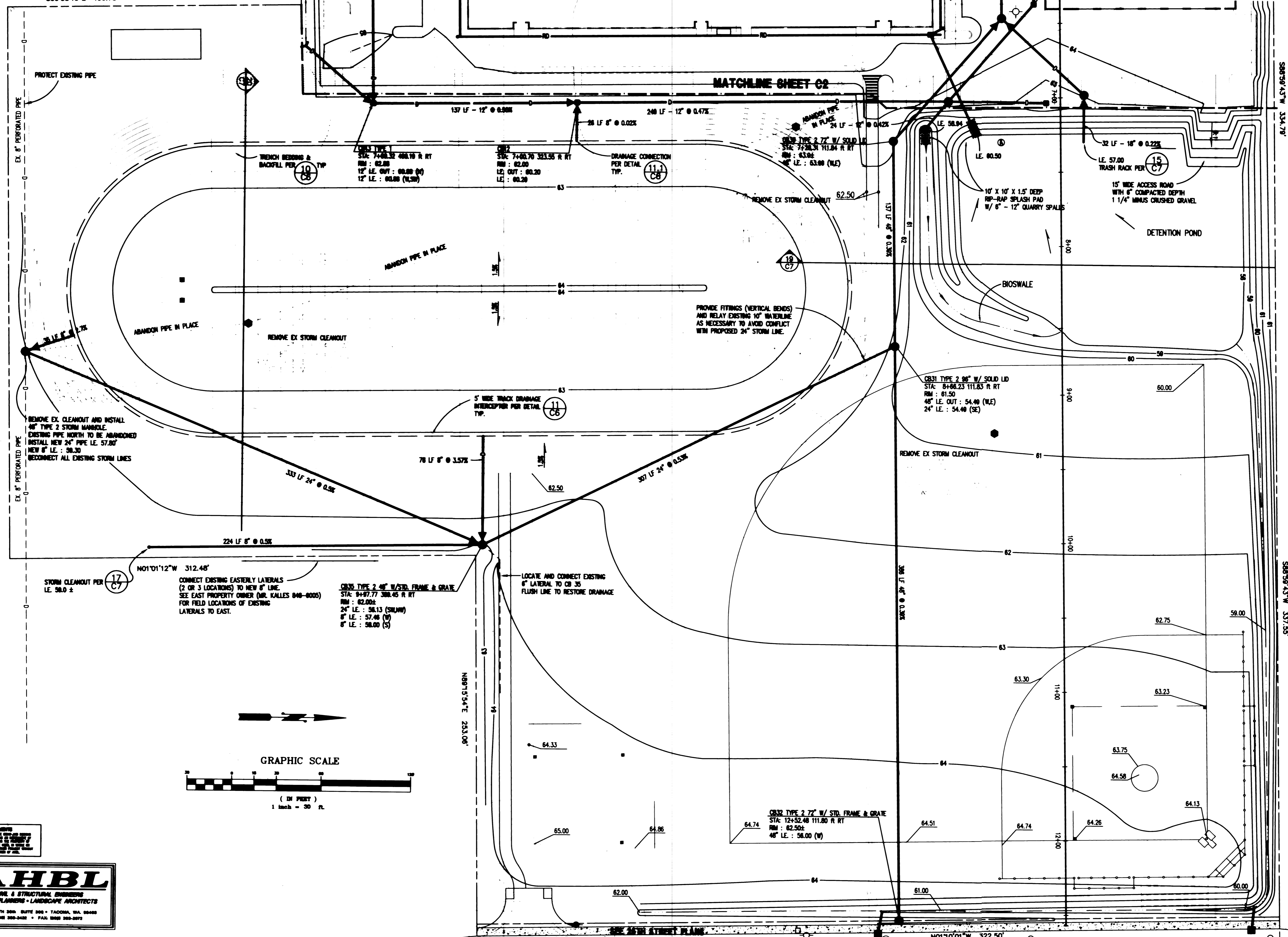
APPROVED
 BY: *[Signature]*
 CITY OF PUYALLUP
 CITY ENGINEER
 DATE: 5/22/96
 NOTE:
 THIS APPROVAL IS
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 CITY OF PUYALLUP.



**BROWN
 CONNALLY
 ROWAN
 ARCHITECTS, INC.**
 222 EAST 29th STREET
 SUITE 100
 TACOMA, WA 98401
 TEL: (206)887-4887
 FAX: (206)887-4886



DATE: 7/23/97



AHBL
 CIVIL & STRUCTURAL ENGINEERS
 LAND PLANNERS - LANDSCAPE ARCHITECTS
 2075 NORTH 30th STREET SUITE 200 TACOMA, WA 98406
 (206) 262-2422 FAX: (206) 262-2422

**CALL 48 HOURS
 BEFORE YOU DIG
 1-800-424-5555**

Project No.	DATE
Drawn By	Checked By
Project	DATE
Project	DATE

**CASCADE CHRISTIAN
 SCHOOLS**
 308 NORTH MERRIMAN
 PUYALLUP, WA 98471

GRADING AND DRAINAGE

Sheet No. **C3**

PLAN CHECKED BY: JAMES J. LINN, LICENSE NO. 10000, STATE OF WASHINGTON
 DATE: 7/23/97
 PROJECT: CASCADE CHRISTIAN SCHOOLS, 308 NORTH MERRIMAN, PUYALLUP, WA 98471
 DRAWING TITLE: GRADING AND DRAINAGE
 SHEET NO.: C3
 SCALE: AS SHOWN
 PROJECT NO.: 96-001
 DATE: MAY 21, 1996
 CHECKED BY: SMS
 DRAWN BY: VIV
 REVISIONS:
 1. 7/23/97: AS SHOWN

TRENCH NOTE

IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR OR MORE FEET IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR WORKER SAFETY AND AHEL ASSUMES NO RESPONSIBILITY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.

UTILITY NOTE

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT HAPPEN DUE TO THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. AHEL ASSUMES NO LIABILITY FOR THE LOCATION OF UNDERGROUND UTILITIES.

TOPOGRAPHIC NOTE

THE EXISTING CULTURAL AND TOPOGRAPHIC DATA SHOWN ON THESE DRAWINGS HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, AHEL CANNOT ENSURE ITS ACCURACY AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THAT INFORMATION OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.

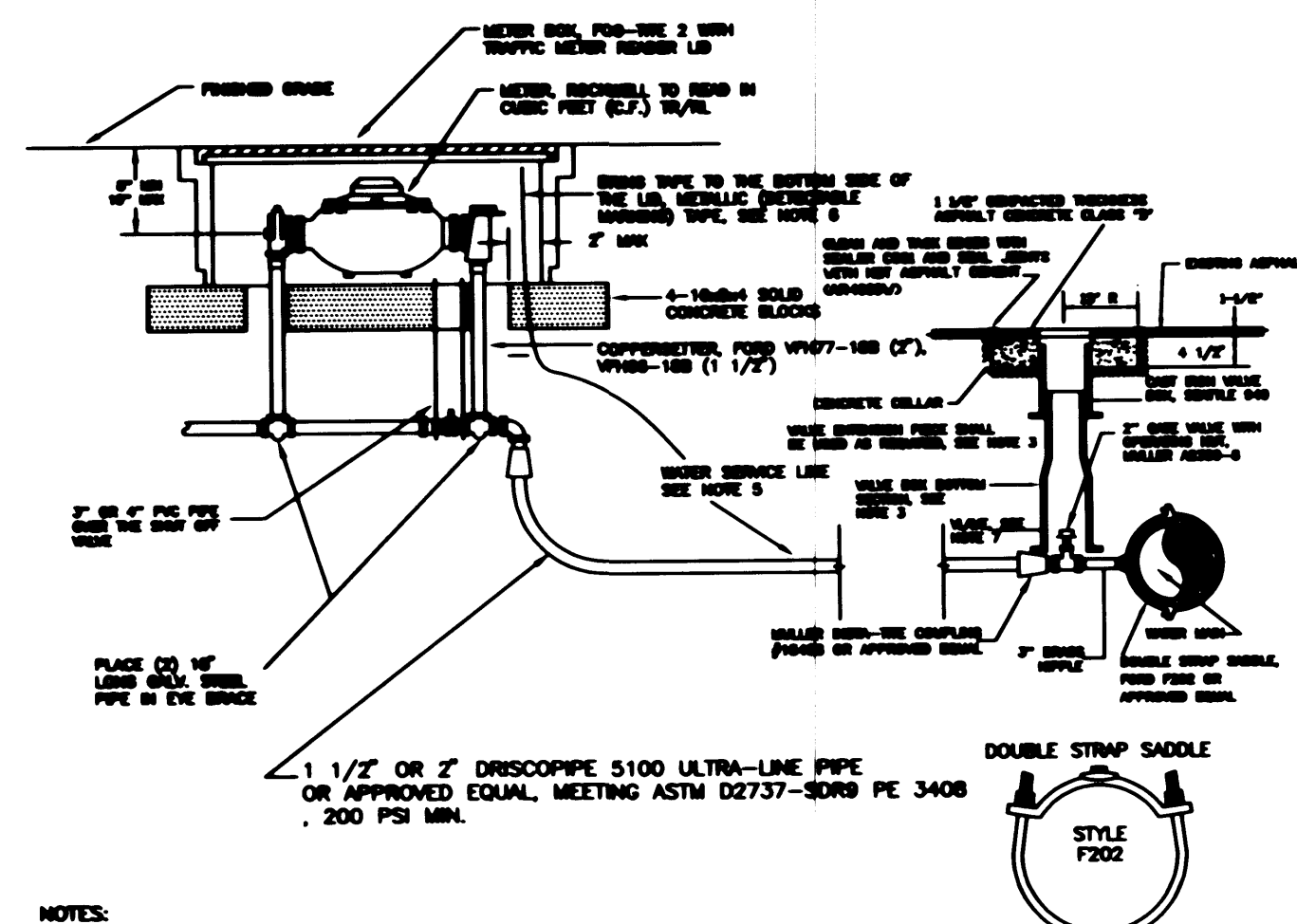
STORM SEWER NOTES:

- DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
- ALL STORM MANHOLES SHALL CONFORM TO STORM MANHOLE DETAIL ON THIS SHEET. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD NO.205.MANHOLE STEPS.
- MANHOLE RING AND COVER SHALL CONFORM DETAIL SHEET CS. THE COVER SHALL BE MARKED WITH "STORM" OR "DRAIN" IN 2" RAISED LETTERS. MINIMUM WEIGHT OF THE FRAME SHALL BE 210 POUNDS. MINIMUM WEIGHT OF THE COVER SHALL BE 150 POUNDS.
- CATCH BASINS TYPE I-SHALL CONFORM TO CITY STANDARD NO. 202 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5' FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CAST IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD NO. 204. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-2 (OLYMPIC FOUNDRY NO. SM60 OR EQUAL). VANEED GRATES SHALL CONFORM TO WSDOT/APWA STANDARD PLAN B-2A (OLYMPIC FOUNDRY NO. SM60V OR EQUAL).
- STORM SEWER PIPE SHALL BE ONLY PVC, CONCRETE, OR DUCTILE IRON PIPE. THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION. IF PIPE VARIANCE HAS BEEN APPROVED BY THE CITY THEN OTHER PIPE TYPES WILL BE ALLOWED AS SPECIFIED IN THE APPROVED VARIANCE.

PVC PIPE SHALL BE PER ASTM D-3034, SDR 35 FOR PIPE SIZES 15" AND SMALLER AND F679 FOR PIPE SIZES 18" - 27" MINIMUM COVER ON PVC PIPE SHALL BE 3.0 FEET.

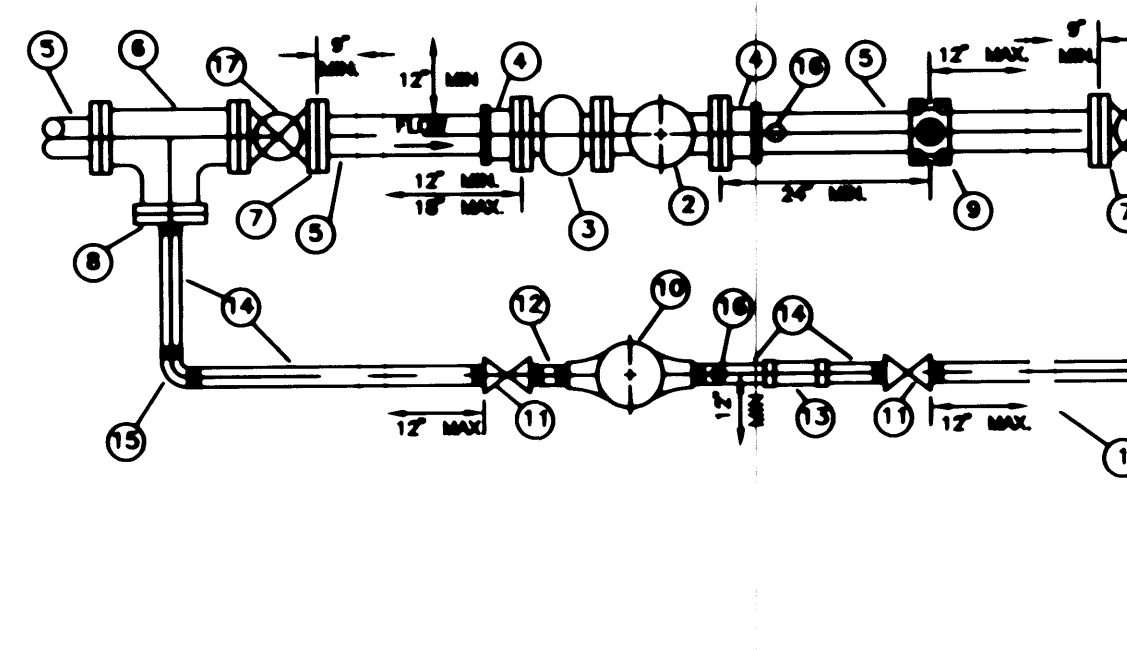
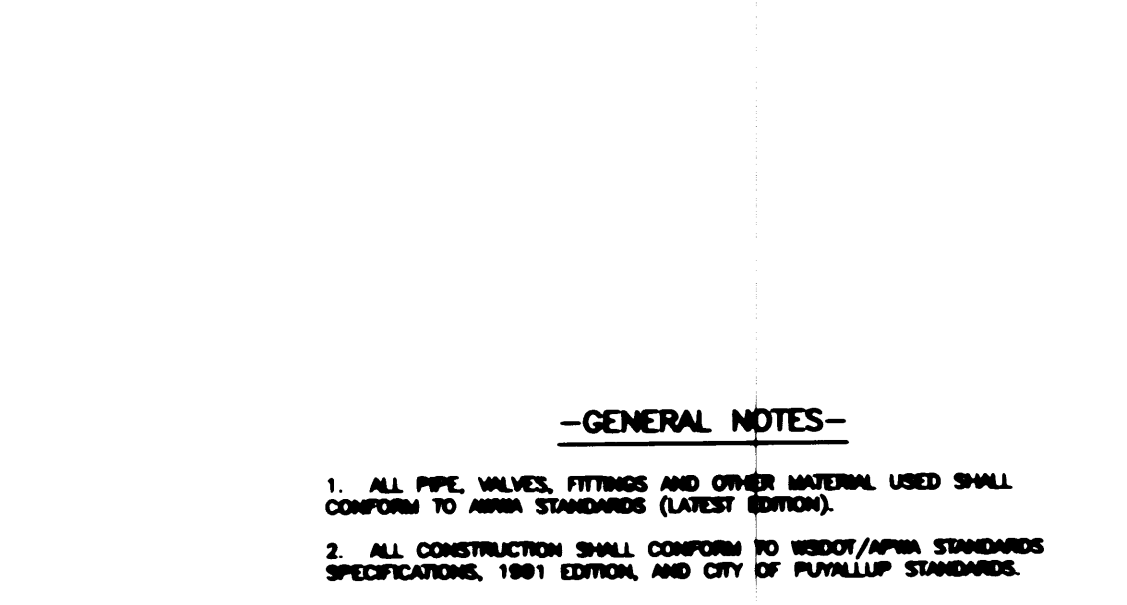
CONCRETE PIPE SHALL CONFORM TO THE 1991 WSDOT SPECIFICATIONS FOR CONCRETE UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL BE AS RECOMMENDED BY THE MANUFACTURER BUT NOT LESS THAN 3.0 FOOT.

DUCTILE IRON PIPE SHALL BE SPECIAL CLASS 52, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
- TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TRENCH DETAIL SHEET C6.
- STORM PIPE SHALL BE A MINIMUM OF TEN (10) FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- ALL STORM DRAIN MAINS SHALL BE TELEVISION INSPECTED PRIOR TO FINAL ACCEPTANCE BY THE CITY.
- AFTER ALL OTHER UTILITIES ARE INSTALLED AND PRIOR TO ASPHALT WORK, ALL STORM PIPE SHALL PASS A LOW PRESSURE AIR TEST IN ACCORDANCE WITH SECTION 7-04.3(4)D OF THE STANDARD SPECIFICATIONS. PRODUCTS USED TO SEAL THE INSIDE OF THE PIPE ARE NOT TO BE USED TO OBTAIN THE AIR TEST.
- TYPE CATCH BASINS SHALL CONFORM TO WSDOT STD. PLAN B-1.
- CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD No. 203 AND SHALL BE USED FOR DEPTHS GREATER THAN 5' FROM THE TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.



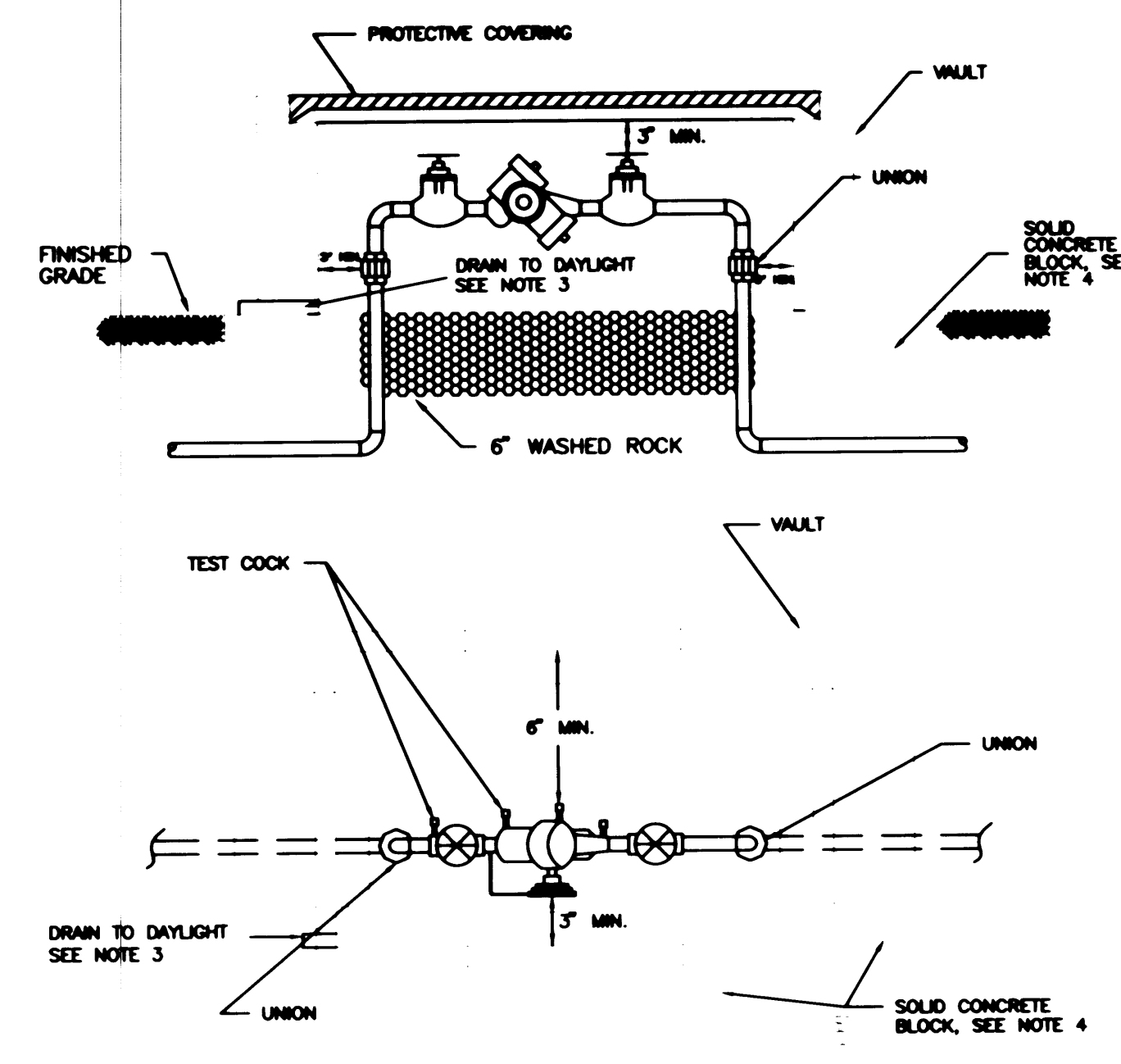
- NOTES:**
- ALL MATERIALS AND FITTINGS SHALL BE AS SPECIFIED OR AN APPROVED EQUAL.
 - THE WATER METER SHALL BE LOCATED IN THE PLANTING STRIP OR ADJACENT TO THE RIGHT-OF-WAY LINE AS DIRECTED BY THE CITY ENGINEER.
 - WATER MAINS SHALL HAVE A MINIMUM COVER OF 42" IN IMPROVED RIGHT-OF-WAY, AND A MINIMUM OF 48" IN UNIMPROVED RIGHT-OF-WAY AND EASEMENTS.
 - ALL COUPLINGS SHALL USE PIPE INSERT STIFFENER.
 - THE WATER SERVICE LINE SHALL HAVE 3" OF COVER BELOW FINISHED GRADE WITHIN THE RIGHT-OF-WAY.
 - METALLIC (DETECTABLE WARNING) TAPE SHALL BE COLOR CODE BLUE AND SHALL BE IMPRINTED CONTINUOUSLY OVER ITS ENTIRE LENGTH IN PERMANENT BLACK INK THE MESSAGE "WATER LINE BURIED BELOW" AND THE WORD "CAUTION" PROMINENTLY SHOWN, TAPE SHALL BE A 2" MINIMUM WIDTH.
 - FOR A 1 1/2" WATER SERVICE A 2" GATE VALVE SHALL BE USED AND INSERT BUSHING SHALL BE USED TO REDUCE THE 2" OPENING DOWN TO 1 1/2".
 - IN NEW CONSTRUCTION THE CONTRACTOR SHALL PLACE A FLANGED TEE IN THE MAIN LINE AT THE POINT OF SERVICE. A 2" FLANGED GATE VALVE AND A THREADED FLANGED REDUCER SHALL BE USED IN LIEU OF THE SADDLE TYPE CONNECTION.
 - VALVE BOXES SHALL BE TWO-PIECE ADJUSTABLE CAST IRON WITH EXTENSION PIECES IF NECESSARY, AS MANUFACTURED BY THE WAREHO # 940 SEATTLE OR APPROVED EQUAL. THE WORD "WATER" SHALL BE CAST IN RELIEF IN THE TOP.

7 1 1/2" AND 2" WATER SERVICE CONNECTION
NOT TO SCALE FROM CITY STD. NO. 302



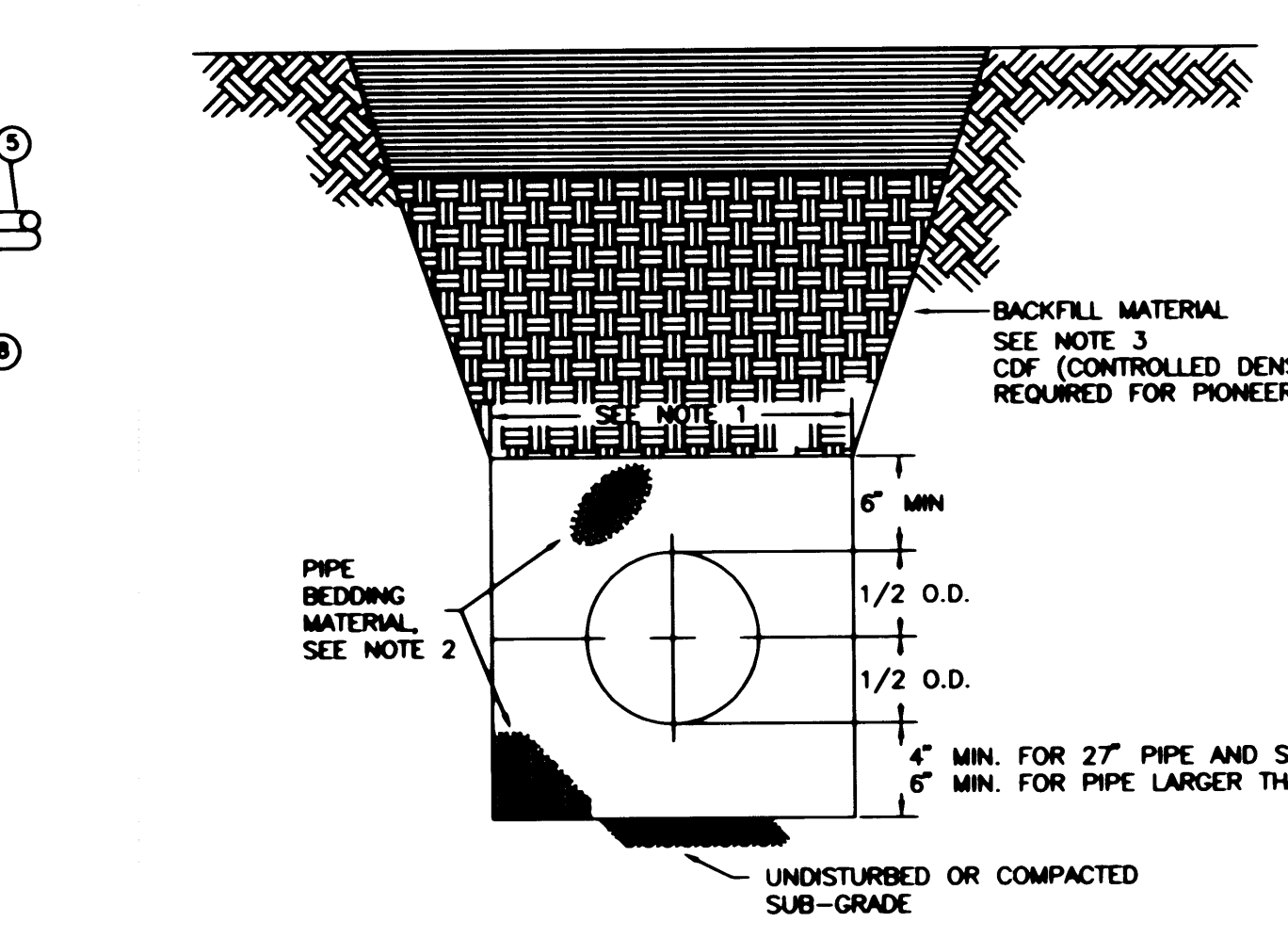
- GENERAL NOTES:**
- ALL PIPE, VALVES, FITTINGS AND OTHER MATERIAL USED SHALL CONFORM TO AWWA STANDARDS (LATEST EDITION).
 - ALL CONSTRUCTION SHALL CONFORM TO WSDOT/APWA STANDARDS SPECIFICATIONS, 1991 EDITION, AND CITY OF PUYALLUP STANDARDS.
- VAULT, UTILITY VAULT OR APPROVED EQUAL, SEED TO MINIMUM CLEARANCES, WITH DIAMOND PLATE WINGED AND SPRING LOCKED STEEL COVER INCLUDING GALVANIZED VAULT LADDER.
 - ROCKWELL FLANGED TURBO-METER, MODEL W-1000 DR-READS IN CUBIC FEET.
 - ROCKWELL FLANGED STRAINER.
 - ROCKWELL #812 FLANGED COUPLING ADAPTOR.
 - DUCTILE IRON PIPE-CLASS 50.
 - 4-40 TEE (MANIFOLD).
 - GATE VALVE (FLANG) 1/2" THIRD. PLUG.
 - 1/2" FLANGED 1/2" THREADED OUTLET.
 - 1/2" DOUBLE STRAP D.I. SADDLE 1/2" THIRD. PLUG.
 - 2" ROCKWELL SCREENED TYPE SE METER-READS IN CUBIC FEET.
 - 2" GATE VALVE, KENNEDY P.C. 802 W/HANDHEEEL.
 - 2" 1/2" THIRD. GALV. HIPPLE.
 - 2" COMPRESSION COUPLING, ROCKWELL #322.
 - 2" THIRD. GALV. PIPE-CUT TO LENGTH REQUIRED.
 - 2" THIRD. GALV. ELL.
 - 2" ADJUSTABLE PIPE SUPPORT-GALVANIZED.
 - VALVE BOX W/WATER MARKED ON LID.
- 3", 4" OR 6" DEPENDING ON SERVICE LINE SIZE
NOTE: APPROVED EQUAL SUBSTITUTIONS MAY BE MADE FOR MOST MATERIALS, EXCEPT THE METER AND THE PIPE.

8 3" WATER METER AND VAULT
NOT TO SCALE FROM CITY STD. NO. 303



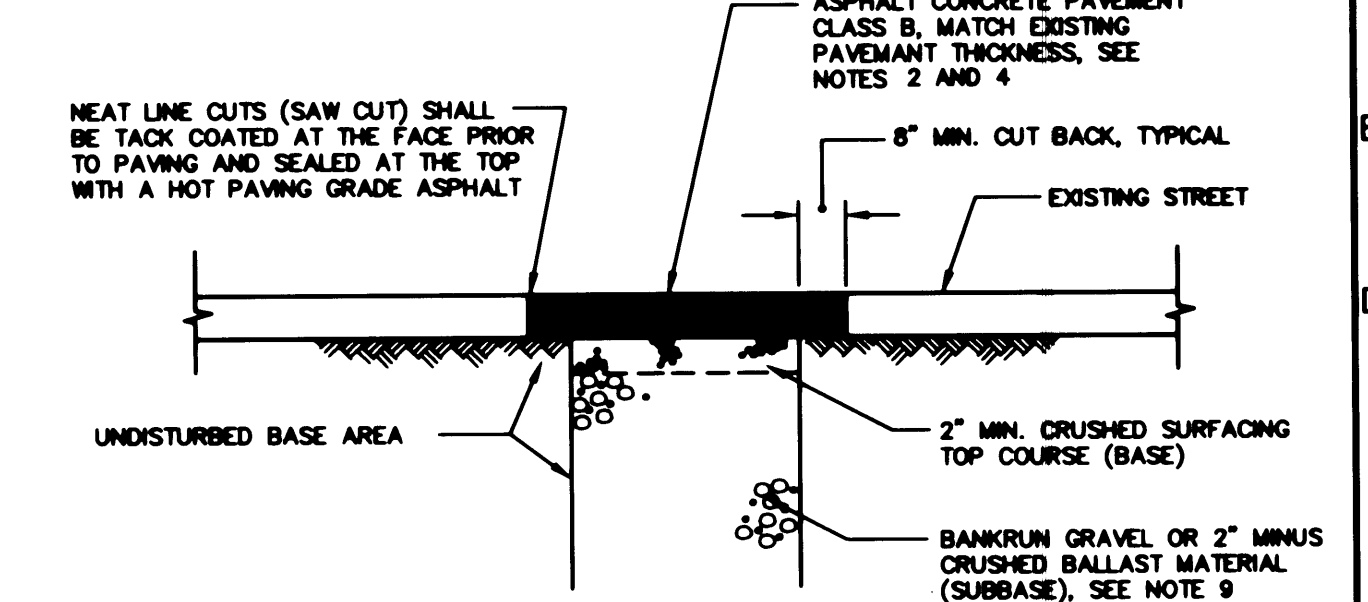
- THE RPBA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IT SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SATISFACTORY OPERATION.
- AN RPBA SHALL NOT BE INSTALLED IN A PIT BELOW GROUND LEVEL. SEMI-BURIED PITS MAY BE ACCEPTABLE IF THE RPBA IS INSTALLED ABOVE GROUND OR MAXIMUM FLOOD LEVEL IN A VAULT WITH AN APPROVED AIR GAP BETWEEN THE RELIEF VALVE PORT AND A BORE-SIGHTED DAYLIGHT DRAIN.
- THE PROTECTIVE COVERING FOR THE RPBA MUST INCLUDE A DAYLIGHT DRAIN. THE DRAIN MUST BE ABLE TO BE BORE SIGHTED. IT MUST BE INSTALLED ABOVE GROUND OR MAXIMUM FLOOD LEVEL, WHICHEVER IS HIGHER. THE DRAIN MUST ALSO BE ABLE TO HANDLE THE VOLUME OF WATER THAT POTENTIALLY COULD BE DISCHARGED FROM THE RELIEF VALVE PORT.
- RPBA MUST BE INSTALLED WITHIN A VAULT OR OTHER PROTECTIVE COVERING.
- RPBA MUST BE PROTECTED FROM FREEZING.
- AN RPBA INSTALLED MORE THAN FIVE (5) FEET ABOVE FLOOR LEVEL MUST HAVE A PLATFORM UNDER IT FOR THE TESTER OR MAINTENANCE PERSON TO STAND ON. THE PLATFORM MUST MEET ALL APPLICABLE SAFETY STANDARDS AND CODES.
- WHEN THE RPBA IS LOCATED INSIDE A BUILDING IT SHALL BE INSTALLED IN A LOCATION WHERE BOTH THE OCCASIONAL SPITTING FROM THE RELIEF VALVE PORT AND THE POSSIBLE CONSTANT DISCHARGE DURING A FOULED CHECK VALVE SITUATION WILL NOT BE OBJECTIONABLE. AN APPROVED AIR GAP FUNNEL ASSEMBLY, EITHER PROVIDED BY THE MANUFACTURER OR FABRICATED FOR THE SPECIFIC INSTALLATION, MAY BE INSTALLED TO HANDLE THE OCCASIONAL SPITTING OF THE RELIEF VALVE DUE TO PRESSURE FLUCTUATIONS. A LINE FROM THIS FUNNEL ASSEMBLY MAY THEN BE RUN TO AN ADEQUATELY SIZED FLOOR DRAIN OF EQUAL OR GREATER SIZE. IT MUST BE EMPHASIZED THAT THE AIR GAP FUNNEL ASSEMBLY WILL HANDLE ONLY THE OCCASIONAL SPITTING AND WILL NOT CONTROL FLOW IN A CONTINUOUS RELIEF SITUATION.
- GOOD PLUMBING PRACTICE RECOMMENDS A STRAINER WITH BLOWOUT TAPPING AHEAD OF THE RPBA.

9 2" AND SMALLER REDUCED PRESSURE BACKFLOW ASSEMBLY INSTALLATION
NOT TO SCALE FROM CITY STD. NO. 310.1



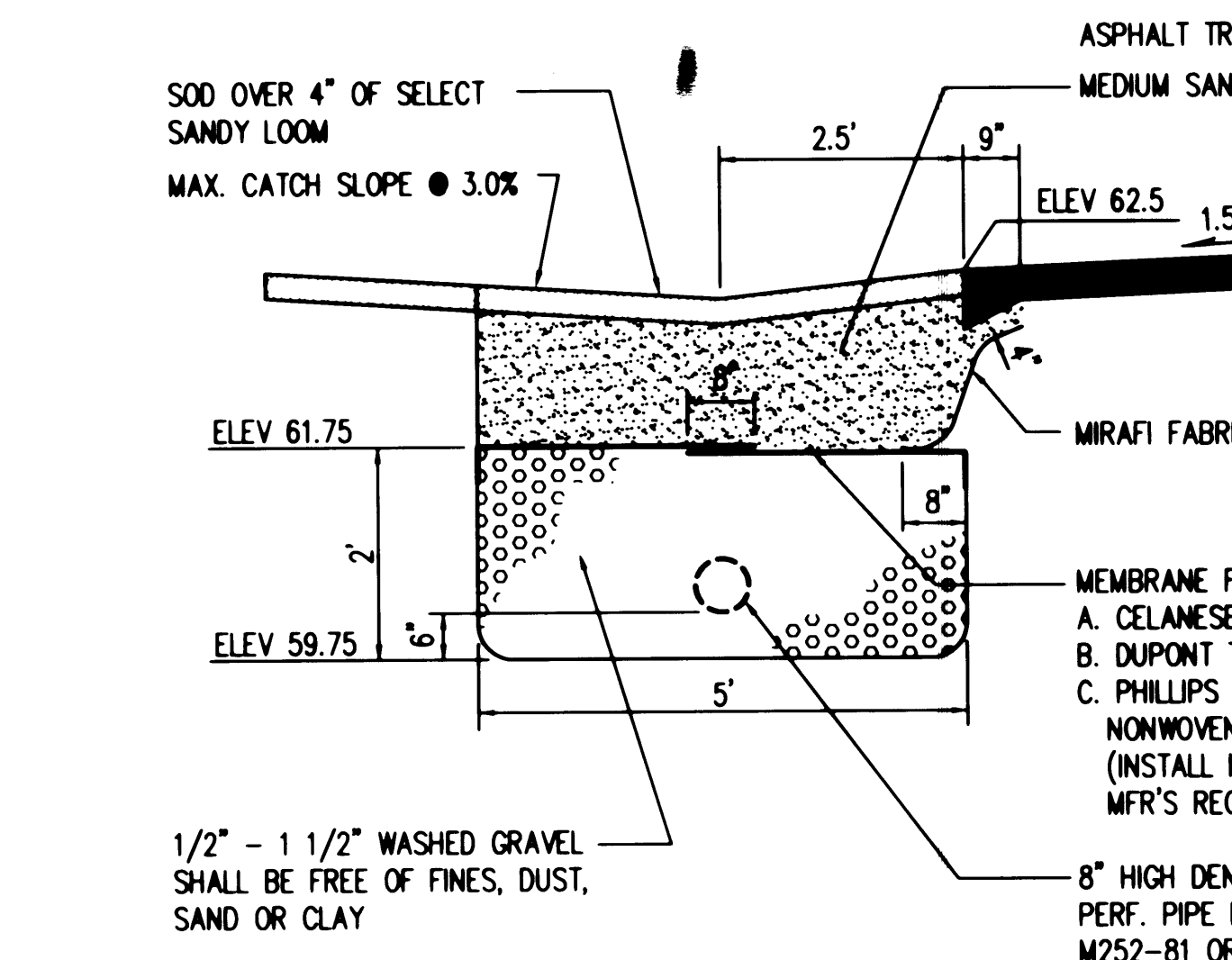
- TRENCHING SHALL MEET THE REQUIREMENTS OF SECTION 7-10.3(7) OF THE WSDOT SPECIFICATIONS.
 - BEDDING MATERIAL FOR RIGID PIPE SHALL BE CRUSHED, PARTIALLY CRUSHED, OR NATURALLY OCCURRING GRANULAR MATERIAL CONFORMING TO THE FOLLOWING GRADATION:
- | SIEVE SIZE | PERCENT PASSING |
|-----------------|-----------------|
| 1-1/4" SQUARE | 100 |
| 1/4" SQUARE | 30-50 |
| U.S. NO. 40 | 3-18 |
| U.S. NO. 200 | 7.0 MAX. |
| SAND EQUIVALENT | 35 MIN. |
- ALL PERCENTAGES ARE BY WEIGHT.
NATIVE MATERIAL SHALL NOT BE USED FOR PIPE BEDDING.
- GRAVEL BACKFILL FOR ABOVE BEDDING SHALL CONSIST OF CRUSHED, PROCESSED, OR NATURALLY OCCURRING GRANULAR MATERIAL. IT SHALL BE ESSENTIALLY FREE FROM VARIOUS TYPES OF WOOD WASTE OR OTHER EXTRANEIOUS OR OBJECTIONABLE MATERIALS. IT SHALL HAVE SUCH CHARACTERISTICS OF SIZE AND SHAPE THAT IT WILL COMPACT READILY.

10 PIPE TRENCHING BEDDING AND BACKFILL
NOT TO SCALE FROM CITY STD. NO. 503

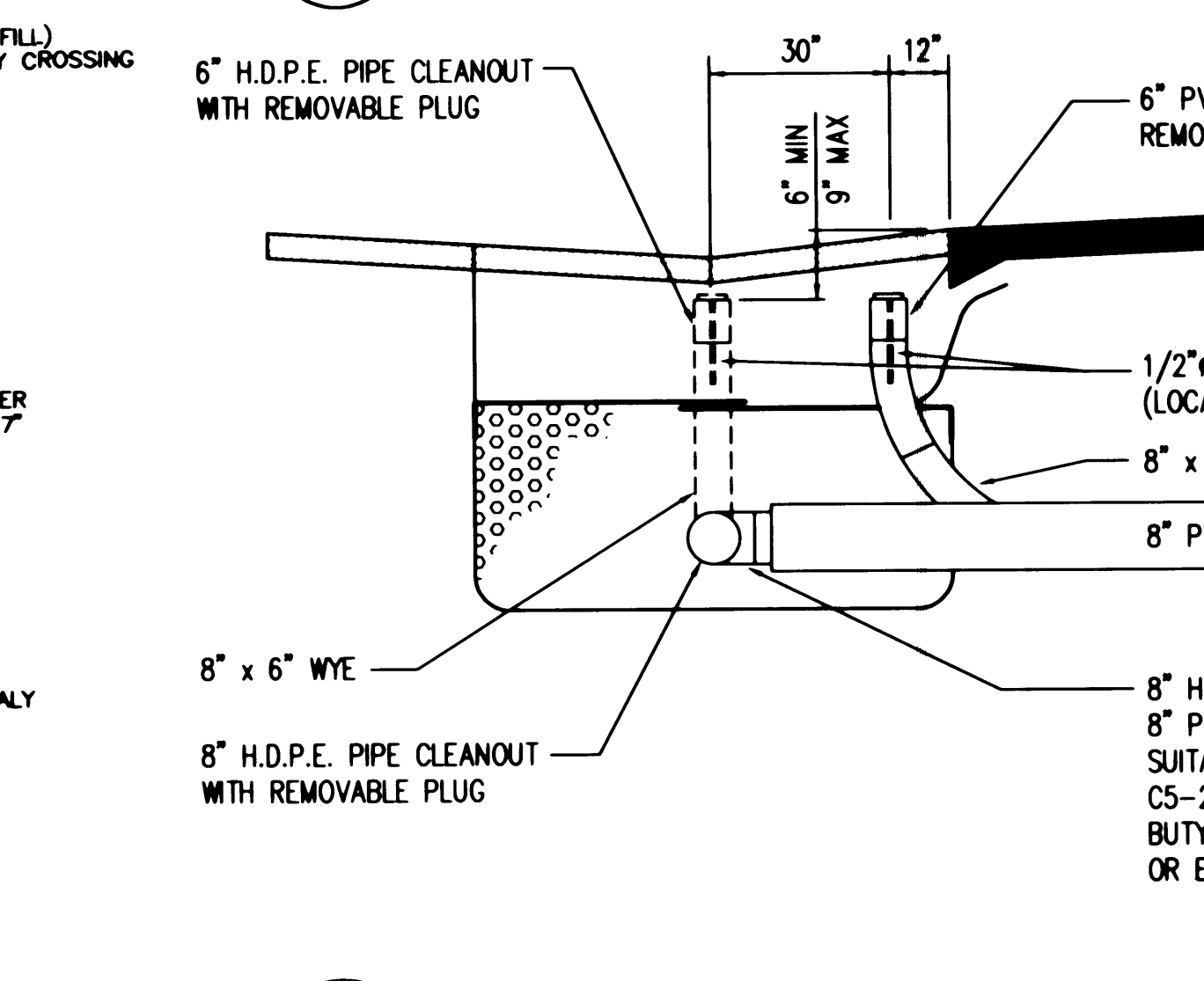


- NOTES:**
- BASE AND SUBBASE MATERIAL SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.
 - ASPHALT CONCRETE PAVEMENT THICKNESS:
A. RESIDENTIAL STREET 2" MINIMUM
B. COLLECTOR / ARTERIAL STREETS 4" MINIMUM
 - ALL DEPTHS INDICATED ARE A MINIMUM COMPACTED DEPTH.
 - ALL PATCHES 8'x 8' AND SMALLER MAY BE PAVED WITH A PAVING BOX.
 - INITIAL BACKFILL SHALL BE PREFORMED ONLY AFTER INSPECTION AND APPROVAL OF THE INSTALLED PIPE OR STRUCTURE. THE BACKFILL MATERIAL SHALL BE PLACED IN ACCORDANCE WITH CITY STANDARD 503.
 - ALL BACKFILL FOR PIPE TRENCHES SHALL BE MECHANICALLY COMPACTED BY A POWEROPERATED MECHANICAL TAMPER(S) AS SPECIFIED IN SECTION 2-03.3 (14)C, COMPACTING EARTH EMBANKMENTS, METHOD C OF THE WSDOT SPECIFICATIONS.
 - INITIAL BACKFILL MATERIAL SHALL BE SELECT TRENCH EXCAVATION MATERIAL.
 - COMPACTION SHALL BE MADE IN ONE (1) FOOT LIFTS.
 - BANKRUN GRAVEL SHALL MEET THE REQUIREMENTS OF WSDOT SPEC. SECTION 9-03.10. CRUSHED BALLAST SHALL MEET THE REQUIREMENTS OF WSDOT SPEC. SECTION 9-03.9(1).

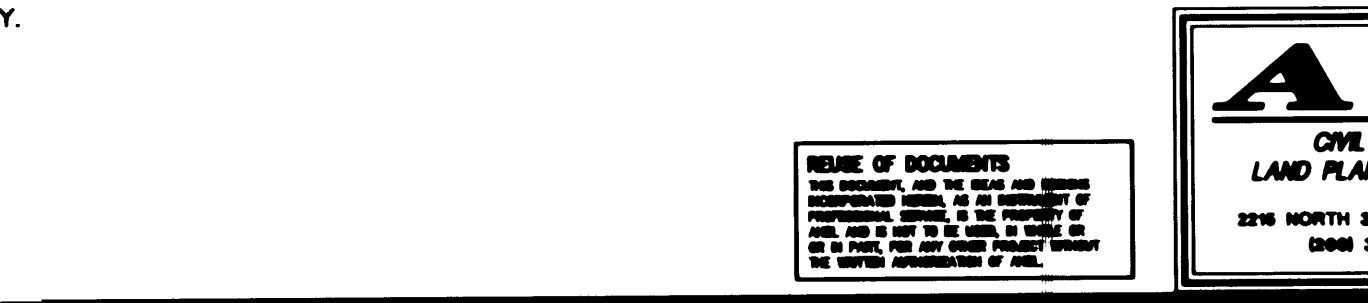
10.1 PAVEMENT PATCH
NOT TO SCALE FROM CITY STD. NO. 103



11 TRACK INTERCEPTOR - TYPICAL SECTION
NOT TO SCALE



11.1 TRACK INTERCEPTOR - TYPICAL SECTION
NOT TO SCALE



APPROVED
BY: *[Signature]*
CITY OF PUYALLUP
CITY ENGINEER
DATE: 5/22/96
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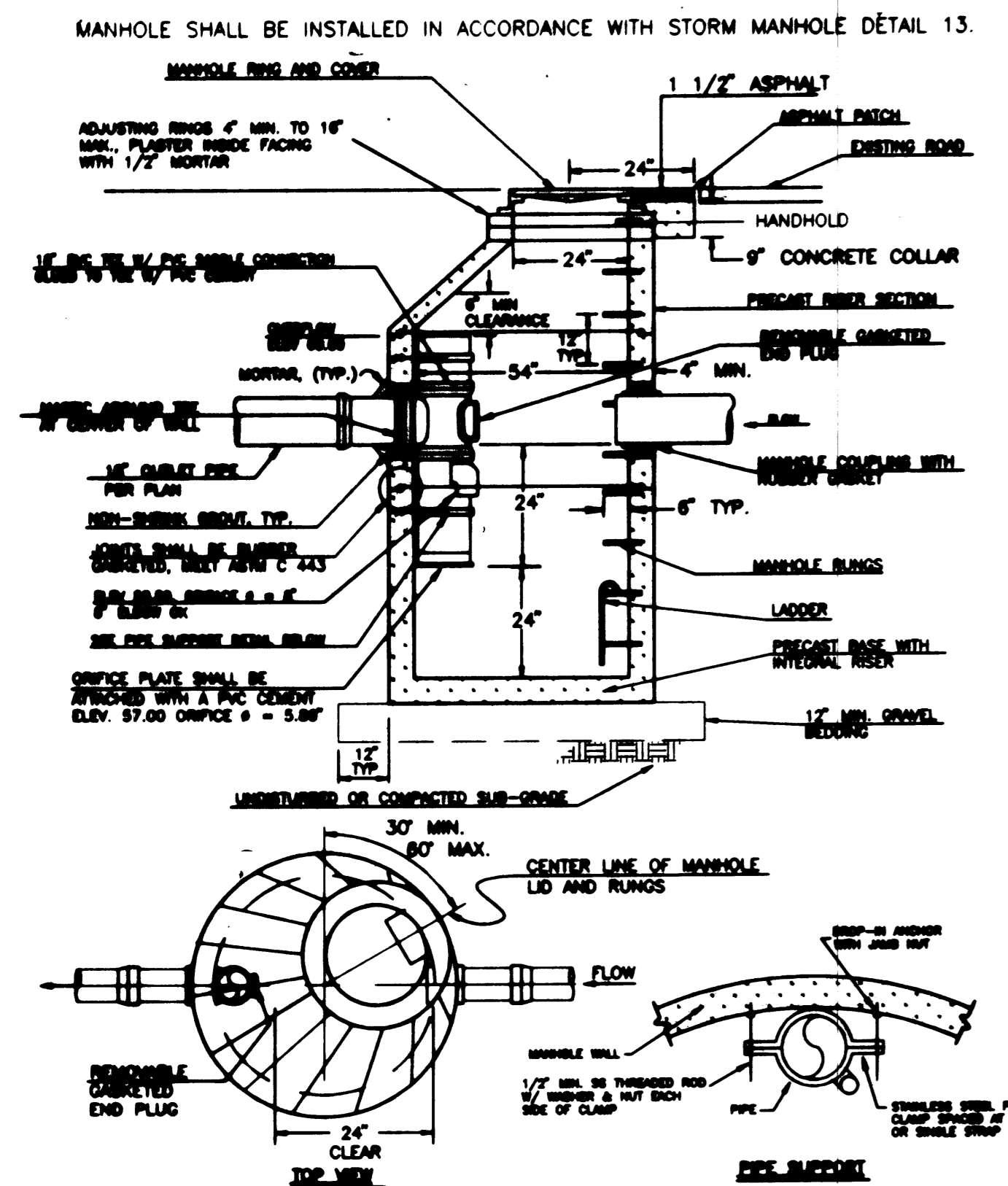
Drawn By: VIV
Checked By: SS
Project No.:
Date: MAY 21, 1996
Revision: 1/23/97

CASCADE CHRISTIAN SCHOOLS
GENERAL NOTES & DETAILS
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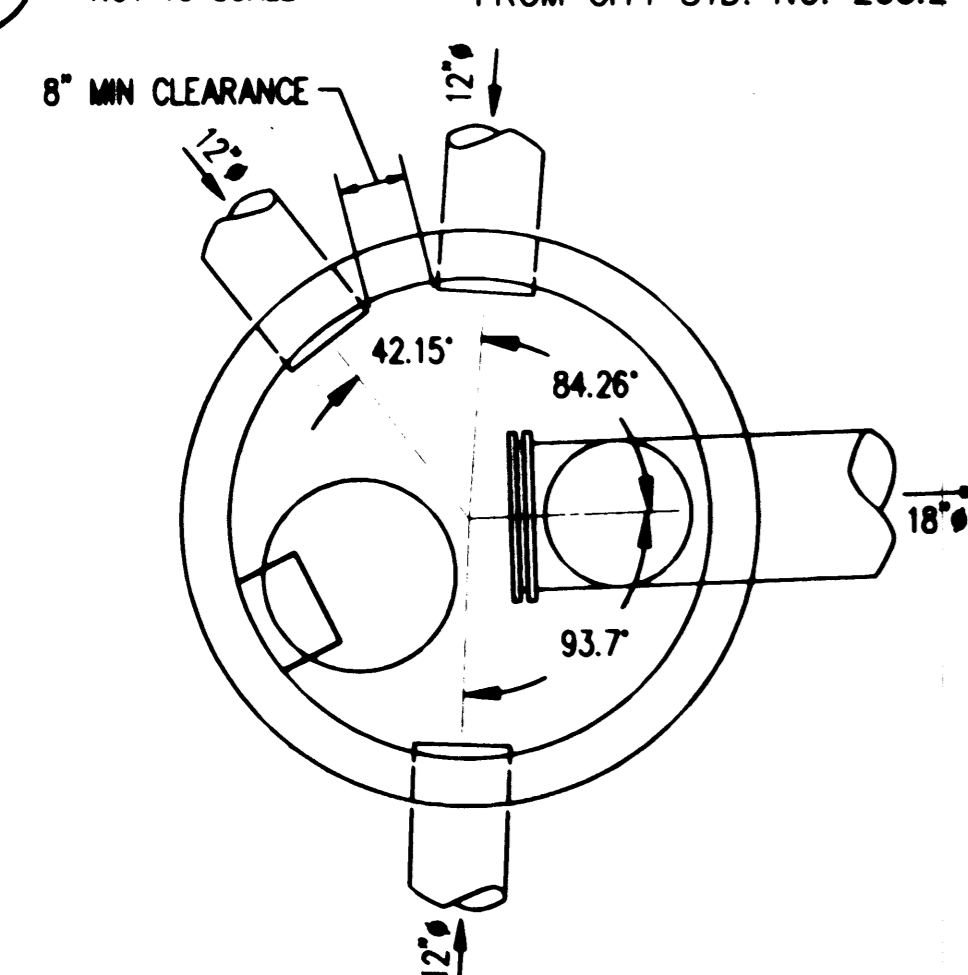
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Sheet No. **C6**

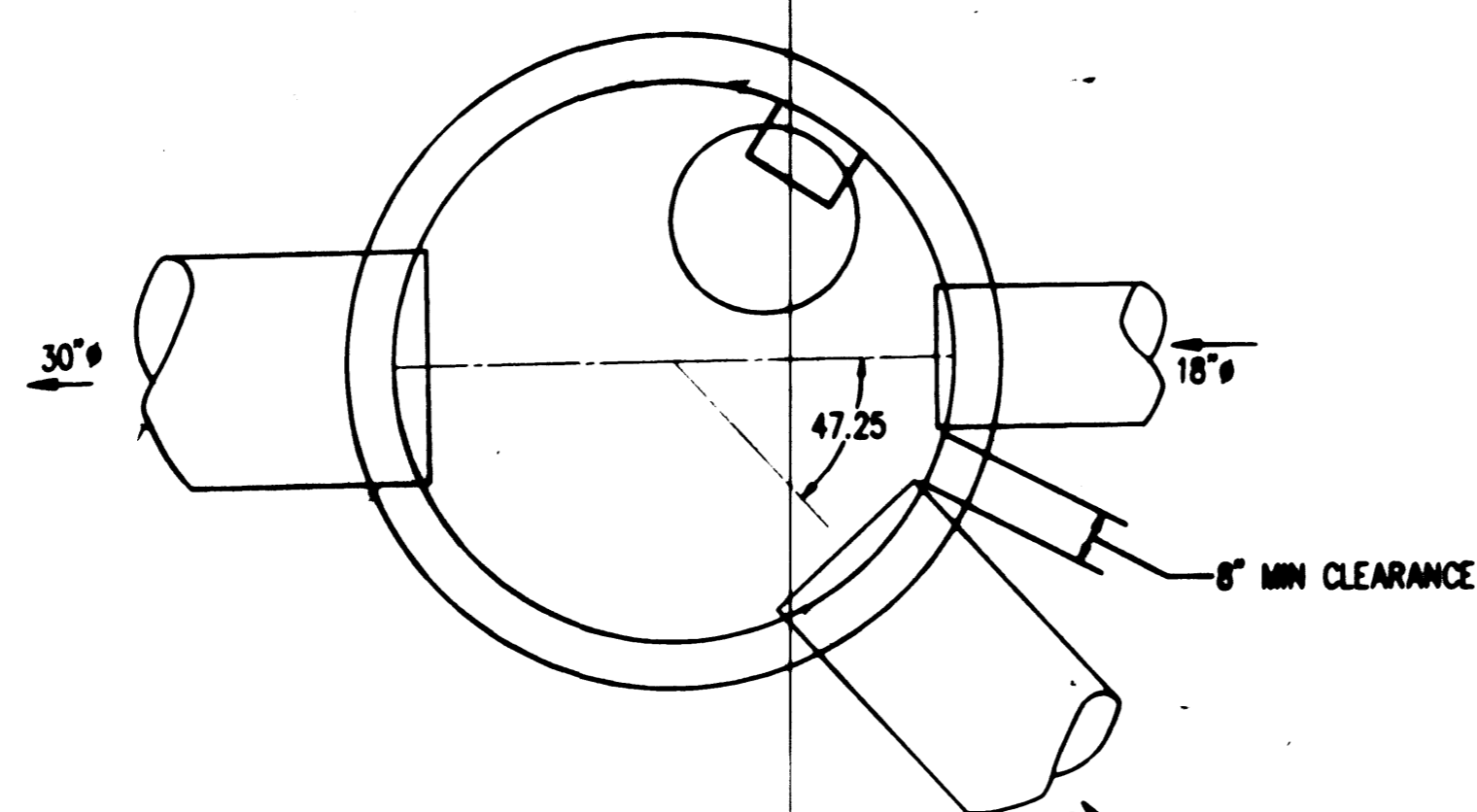


- NOTES FOR FLOW CONTROL MANHOLE:**
- NEAT LINE CUTS SHALL BE AT TOP WITH A HOT PAVING GRADE ASPHALT AND FACE OF CUT TACKED.
 - FLOW CONTROL MANHOLES SHALL BE USED AS A SINGLE USE STRUCTURE.
 - MANHOLE RING SHALL CONFORM TO SECTION R, ASTM C 478 (ASSTO M-199) AND MEET ALL WISHA REQUIREMENTS. MANHOLE RUNGS SHALL BE PARALLEL OR APPROXIMATELY RADIAL AT THE OPTION OF THE MANUFACTURER, EXCEPT THAT ALL STEPS IN ANY MANHOLE SHALL BE SIMILAR. PENETRATION OF OUTER WALL BY A RUNG LEG IS PROHIBITED. SEE MANHOLE STEP AND LADDER DETAIL SHEET C5.
 - PRECAST RISER SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE WALL THICKNESS OF TWO (2) INCHES MINIMUM. KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAMETER PLUS MANHOLE WALL THICKNESS. MINIMUM DISTANCE BETWEEN HOLES IS EIGHT (8) INCHES.
 - PRECAST CONCRETE MANHOLE COMPONENTS SHALL CONFORM TO ASTM C 478.
 - FLEXIBLE JOINTS SHALL BE RUBBER GASKETED IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS. MORTARED, DRY-PACKED, OR CAST-IN-PLACE JOINTS WILL BE PERMITTED FOR CONNECTIONS TO OR THROUGH MANHOLES. A FLEXIBLE GASKETED JOINT SHALL BE INSTALLED WITHIN ONE (1) FOOT OF EACH CONNECTION TO OR THROUGH SAID MANHOLES. CONNECTIONS TO MANHOLE WITH PVC PIPE SHALL UTILIZE A MANHOLE COUPLING AND RUBBER GASKET.
 - THE COVER ON THE MANHOLE SHALL BE MARKED WITH "STORM" OR "DRAIN" IN TWO (2) INCH RAISED LETTERS. SEE MANHOLE RING AND COVER DETAIL.
 - STAINLESS STEEL PIPE CLAMP WITH 1/2" DIAMETER STAINLESS STEEL THREADED ROD WITH WASHER AND NUT EACH SIDE OF CLAMP. PROVIDE 1/2" DIAMETER DROP-IN ANCHOR WITH JAMB NUT AT WALL. PIPE CLAMPS SHALL BE PLACED AT SIXTEEN (16) INCHES ON CENTER.
 - FLOW CONTROL UNIT SHALL BE MADE FROM PVC PIPE AND SHALL CONFORM TO THE STANDARD PIPE SPECIFICATIONS.

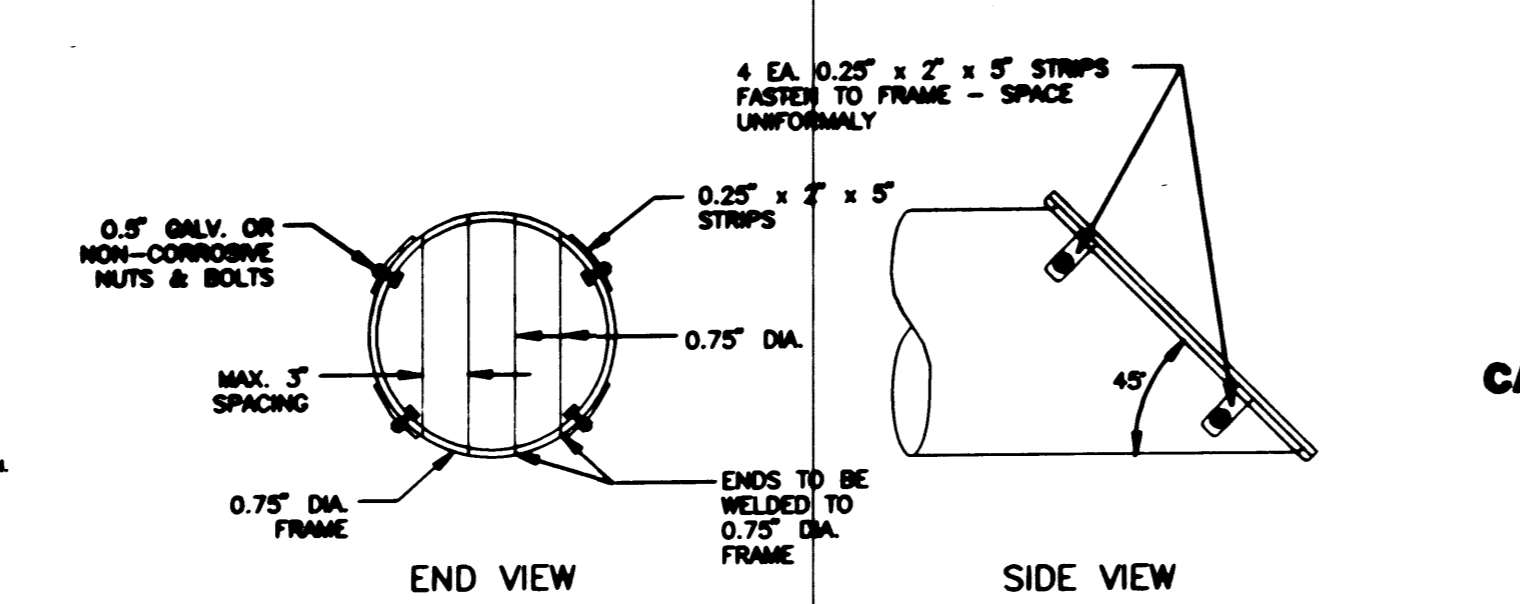
12 FLOW CONTROL MANHOLE
NOT TO SCALE FROM CITY STD. NO. 205.2



13 CB 1, TYPE 2 60"
PLAN VIEW SCALE 1" = 2'

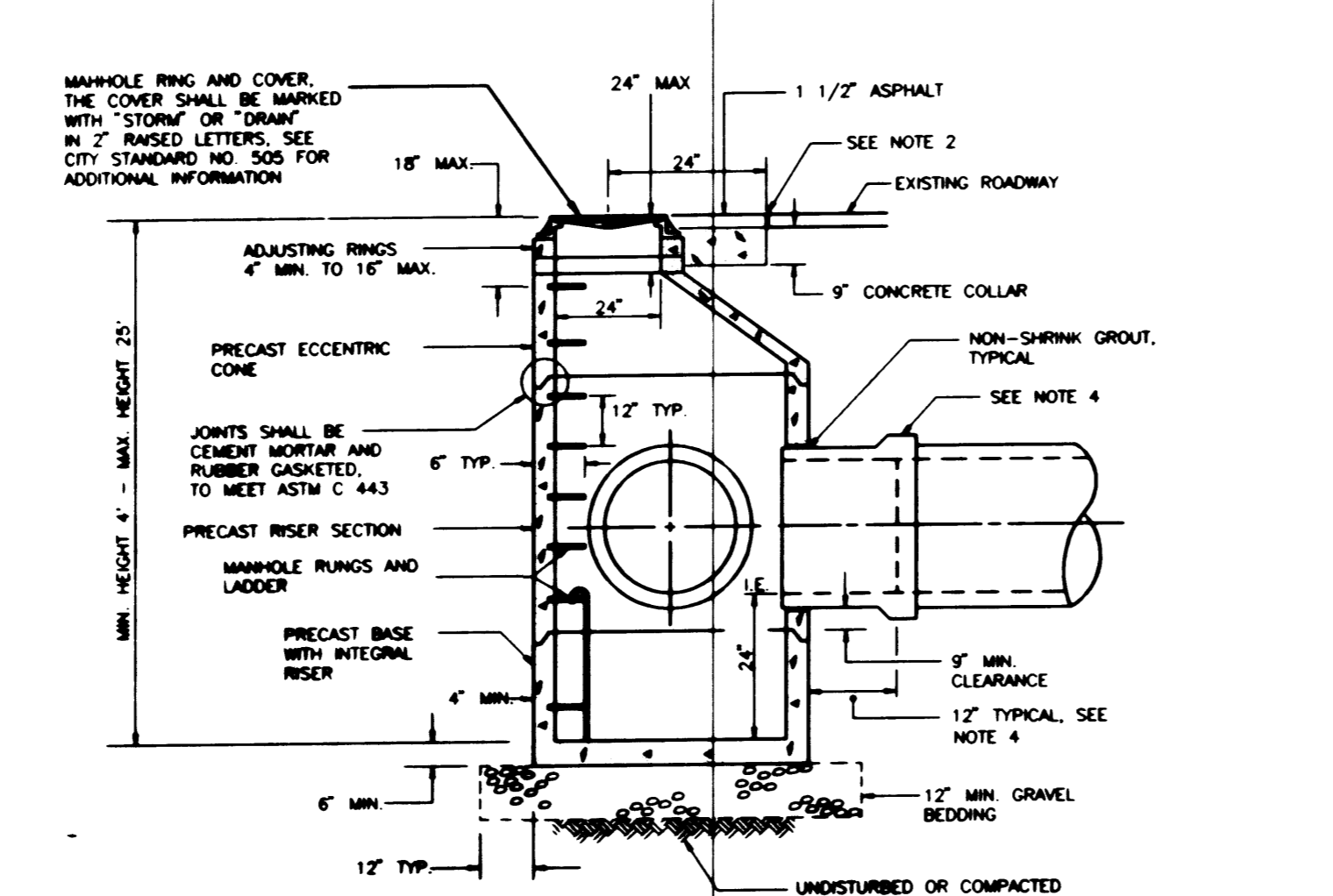


14 CB 25, TYPE 2 72"
PLAN VIEW SCALE 1" = 2'



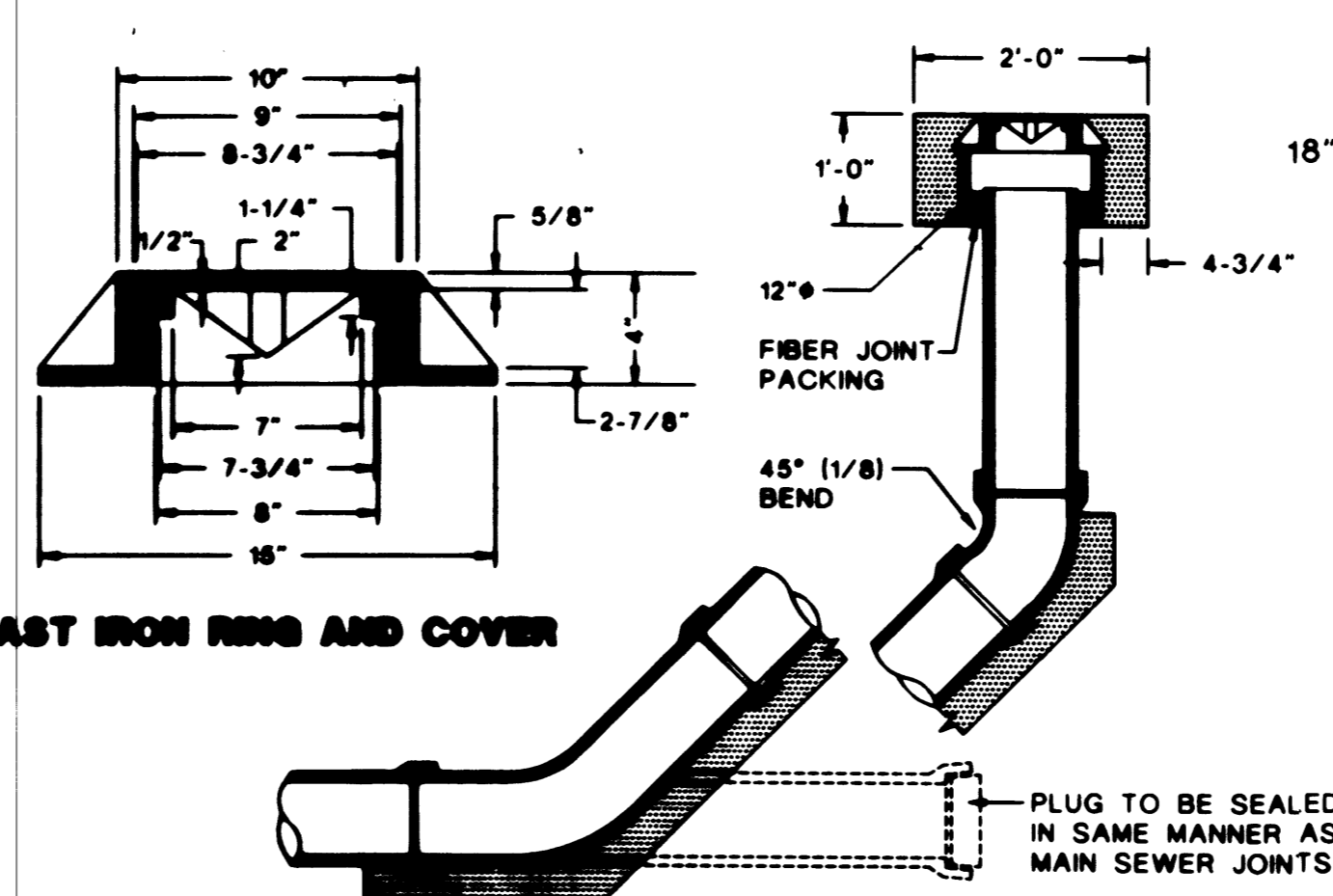
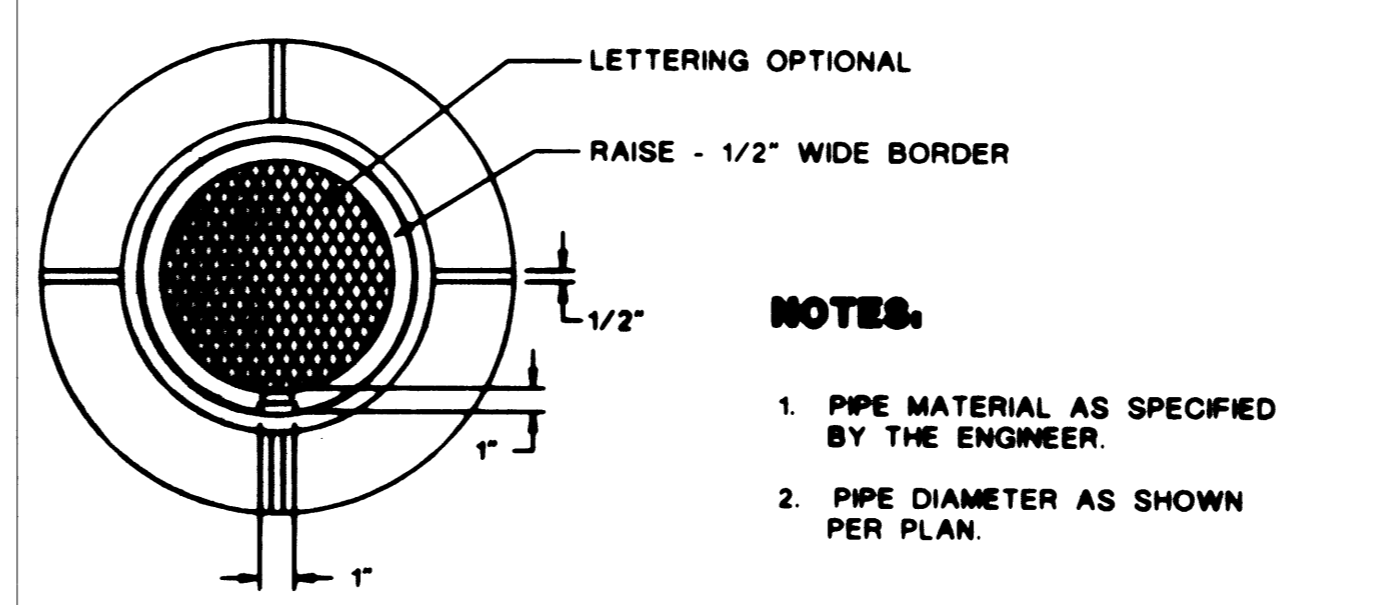
- NOTES:**
- ALL STEEL PARTS MUST BE GALVANIZED AND ASPHALT COATED (TREATMENT 1 OR BETTER).
 - TRASH RACKS SHALL BE INSTALLED AT ALL OPEN ENDS OF STORM DRAINAGE PIPE 12" DIA. AND GREATER.

15 TRASH RACK DETAIL
NOT TO SCALE FROM CITY STD. NO. 209

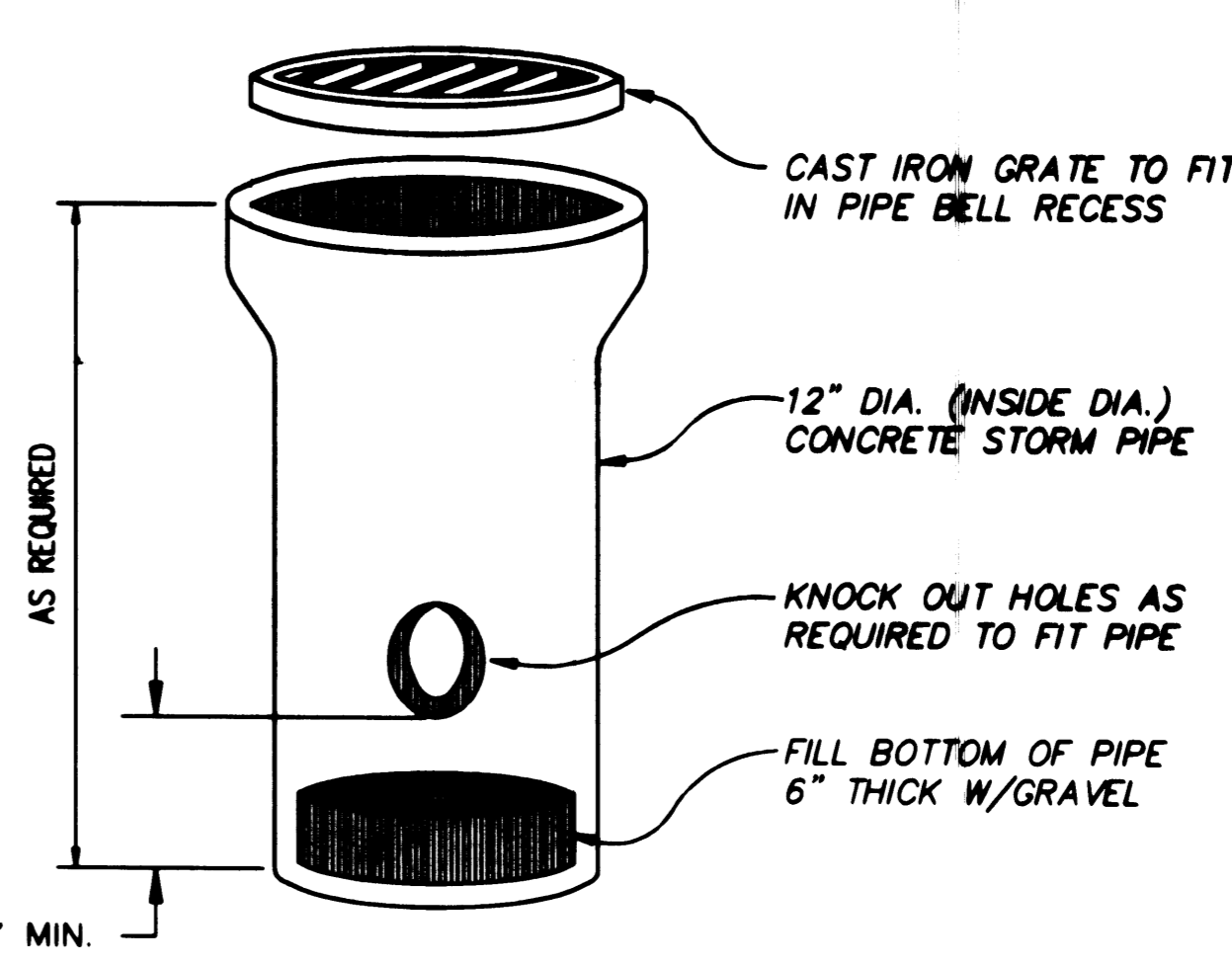


- NOTES:**
- THE CONSTRUCTION AND INSTALLATION OF STORM MANHOLES SHALL CONFORM TO THE REQUIREMENTS OF WSDOT SPEC. SECTION 7-05 AND ASTM C 478.
 - THE FACE OF NEAT LINE CUTS IN EXISTING ASPHALT PAVEMENT SHALL BE TACK COATED AND THE TOP OF THE JOINT SHALL BE SEALED WITH A HOT PAVING GRADE ASPHALT.
 - PRECAST RISER SECTION OR PRECAST BASE WITH INTEGRAL RISER SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS WITH A MINIMUM WALL THICKNESS OF 2". THE SIZE OF THE KNOCKOUT SHALL BE EQUAL TO THE PIPE OUTER DIAMETER PLUS THE MANHOLE WALL THICKNESS. THE MAXIMUM HOLE SIZE IS 36" FOR A 48" MANHOLE, 42" FOR A 54" MANHOLE, 60" FOR A 72" MANHOLE, AND 84" FOR A 90" MANHOLE.
 - A FLEXIBLE GASKETED JOINT SHALL BE INSTALLED WITHIN 12" OF EACH CONNECTION TO A MANHOLE. THE CONNECTION OF CONCRETE OR DUCTILE IRON PIPE TO A MANHOLE SHALL BE CEMENT MORTARED. DUCTILE IRON PIPE SHALL BE SEALED WITH MASTIC AT THE CONNECTION POINT PRIOR TO BEING MORTARED. THE CONNECTION OF PVC PIPE TO A MANHOLE SHALL UTILIZE A MANHOLE COUPLING (SAND COLLAR) WITH A RUBBER GASKET.
 - THE MANHOLE COVER SHALL BE MARKED WITH "STORM" OR "DRAIN" IN 2" INCH RAISED LETTERS. MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD NO. 505.
 - MANHOLE STEP AND LADDER SHALL CONFORM TO CITY STANDARD NO. 506.

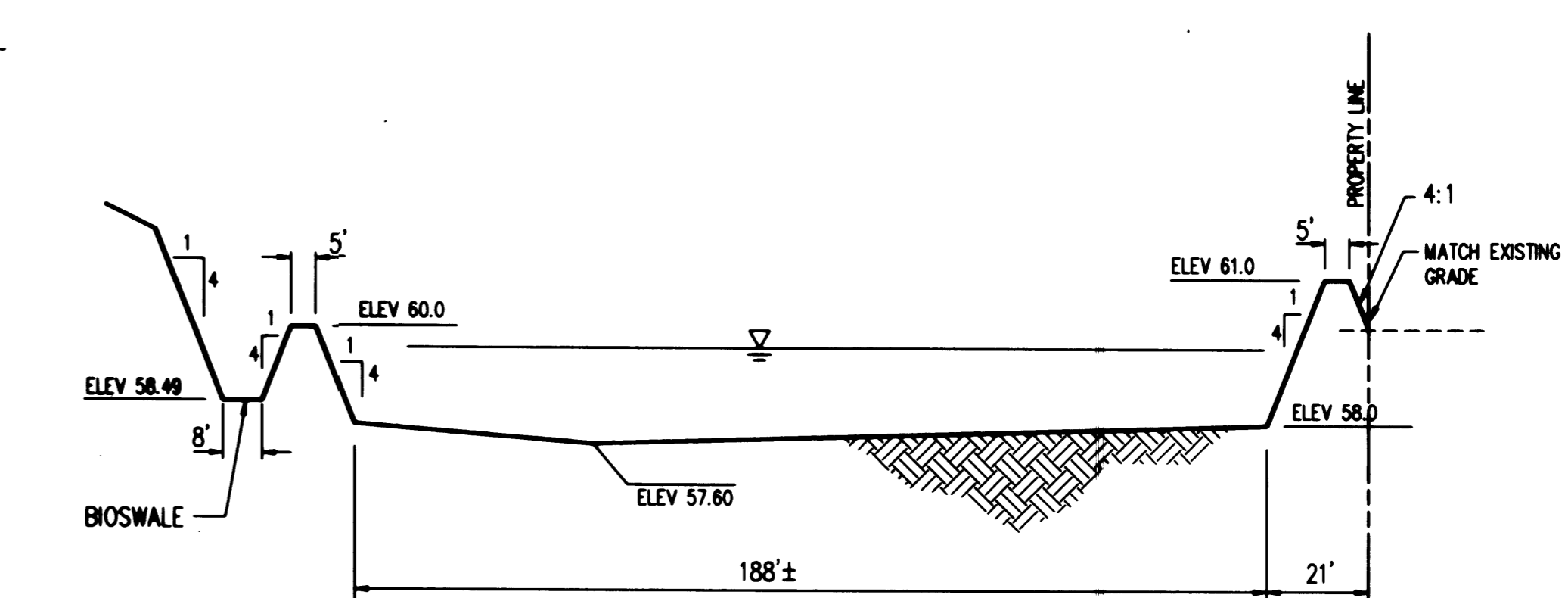
16 STORM MANHOLE
NOT TO SCALE FROM CITY STD. NO. 201



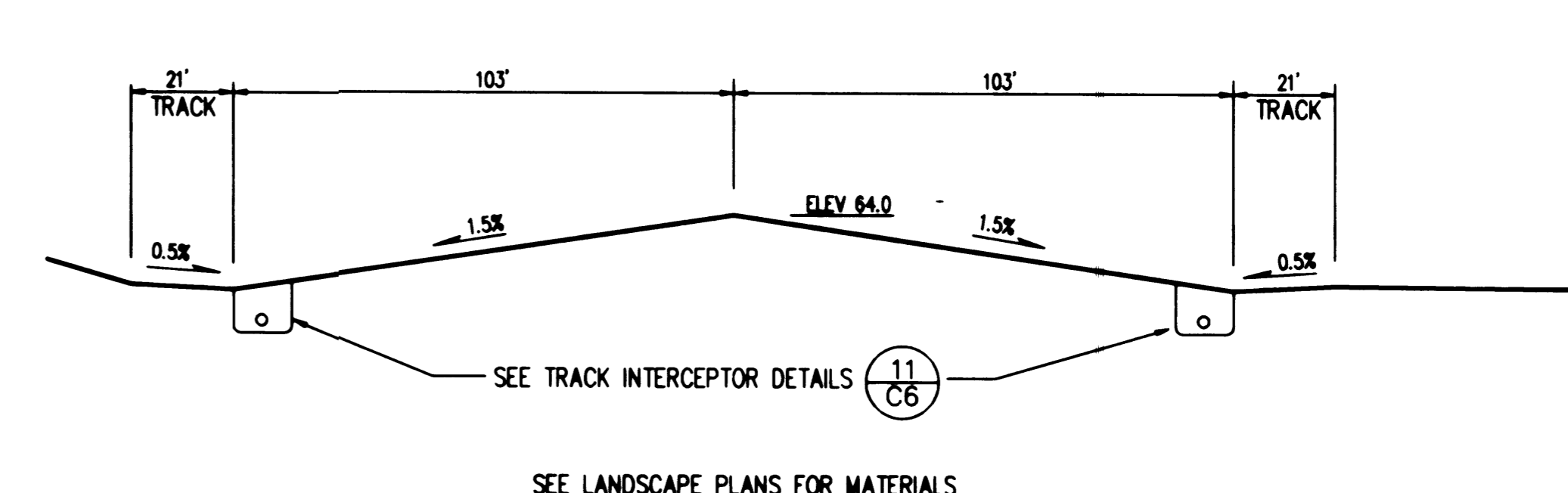
17 STORM CLEAN-OUT DETAIL
NOT TO SCALE



18 AREA DRAIN DETAIL
NOT TO SCALE



19 POND X-SECTION
NOT TO SCALE

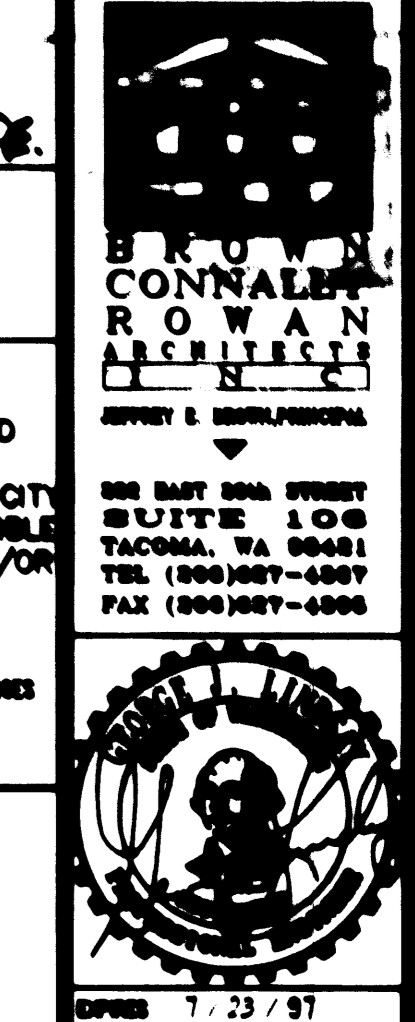


20 TRACK X-SECTION GRADES
NOT TO SCALE

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BY: *[Signature]*
CITY OF PUYALLUP
CITY ENGINEER
DATE: 12-13-95

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308 NORTH MEDIUM
POYALLUP, WA 98471

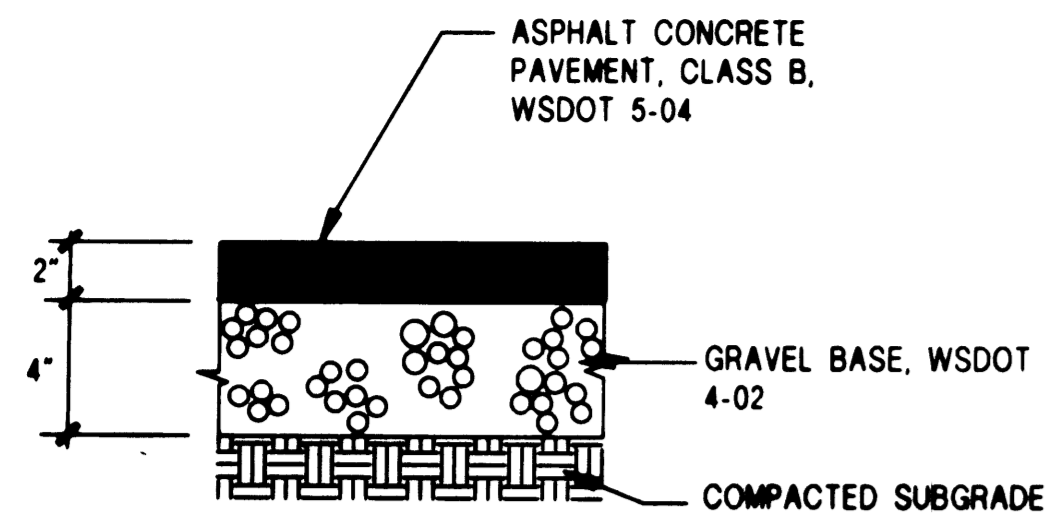
Project No. _____
Date: DEC 13, 1995
Drawing Title: **GENERAL NOTES & DETAILS**

Drawn By: WV
Checked By: SS

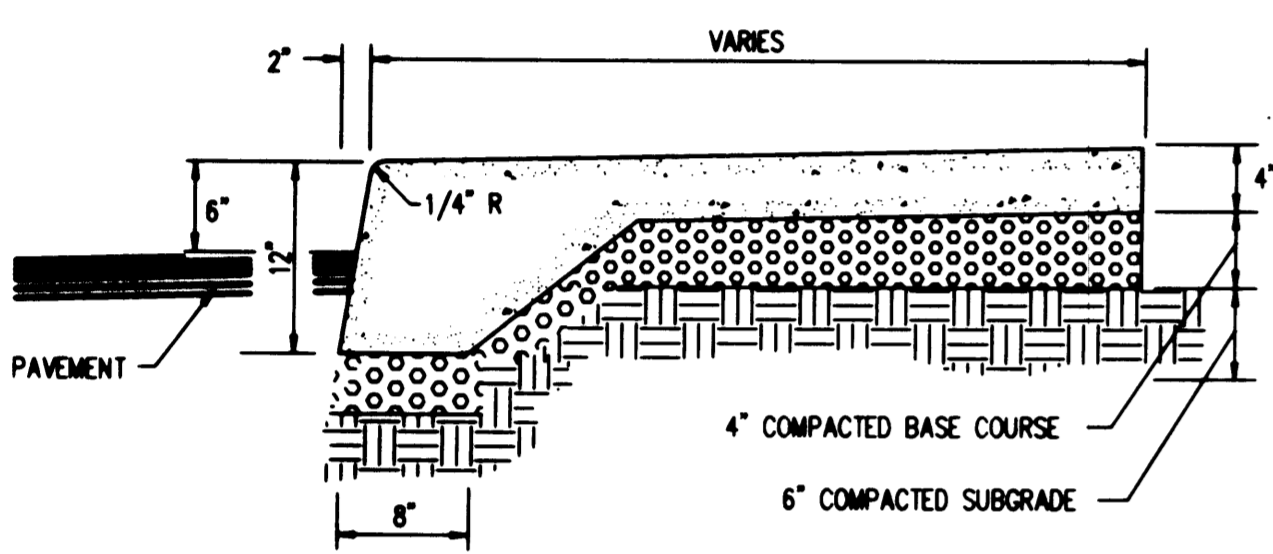
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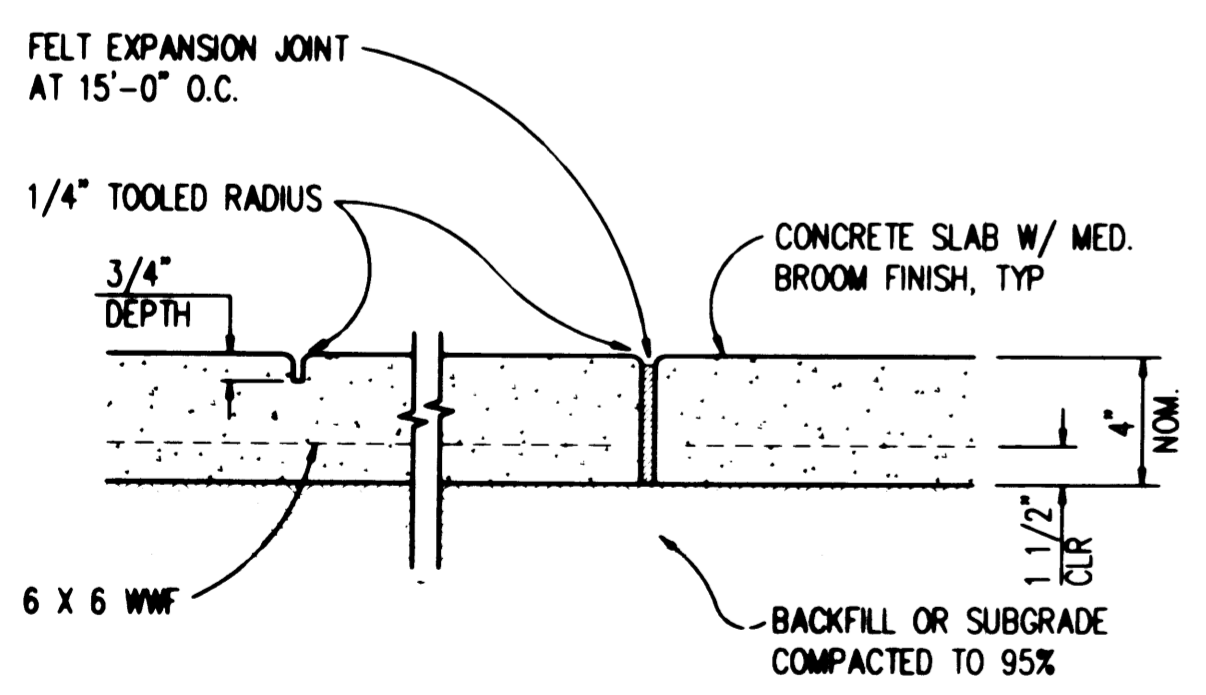


21 ASPHALTIC CONCRETE PAVEMENT STRUCTURE
NOT TO SCALE

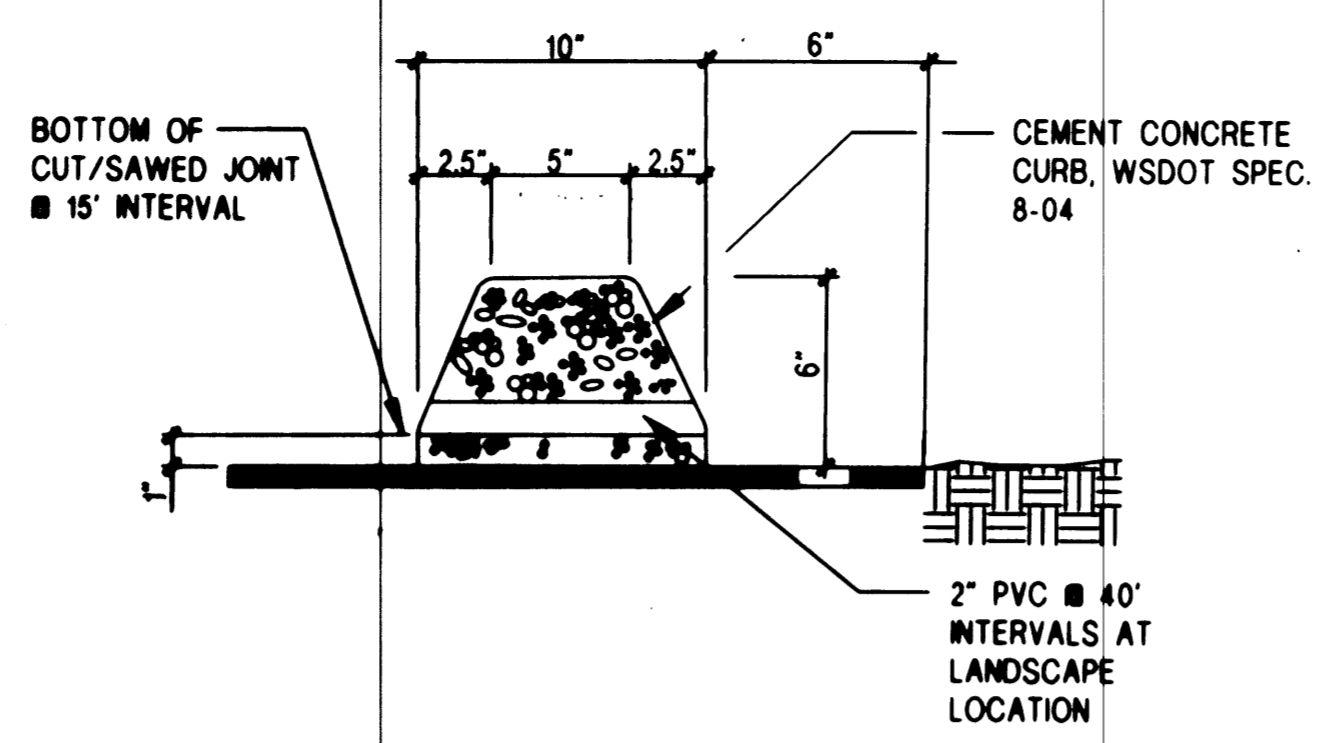


- NOTES:**
- 1) Compaction for concrete curb and walks to be 95% of maximum density.
 - 2) Expansion joints shall be at 10'-0" intervals or as shown on architectural plans.

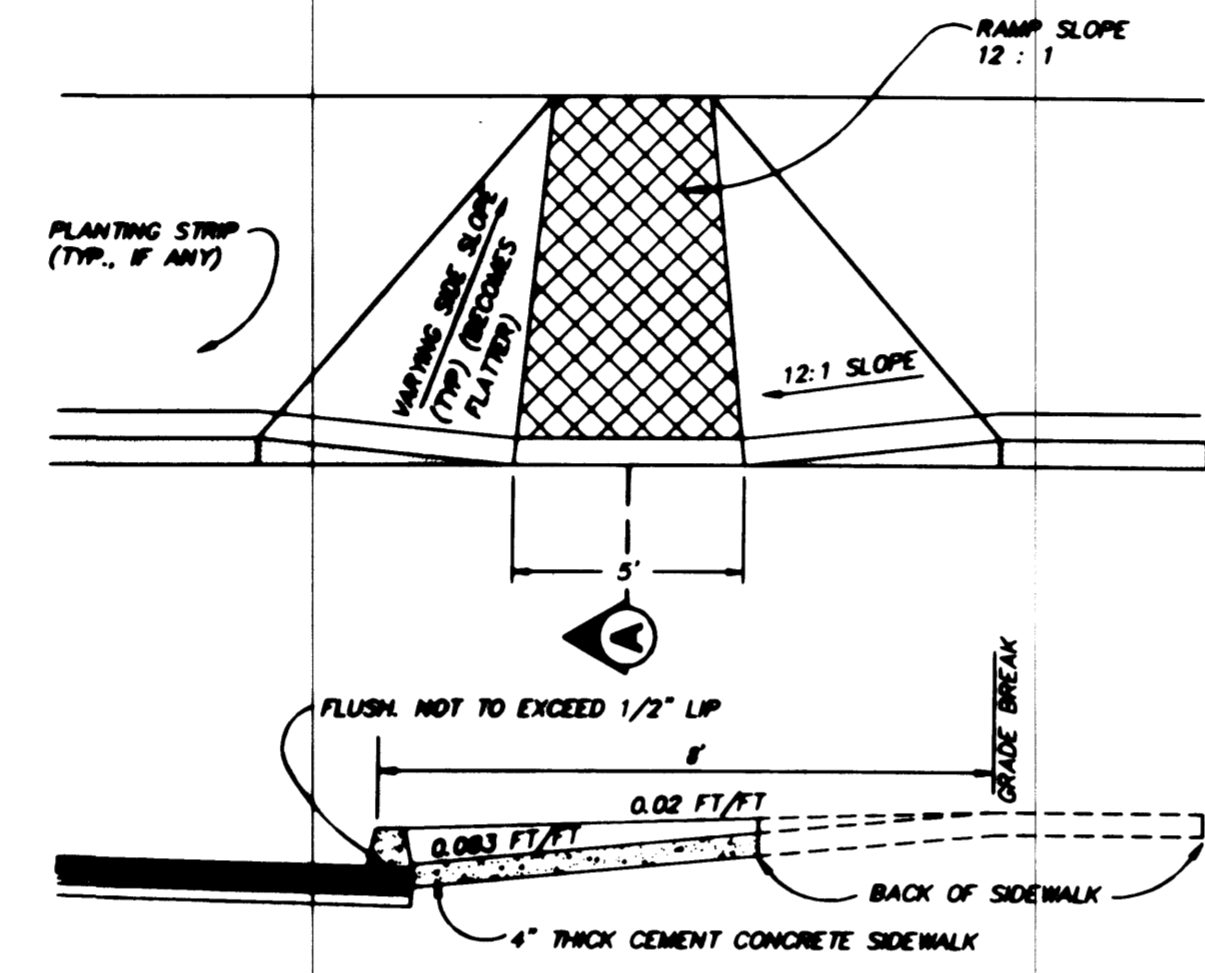
22 INTEGRAL CURB AND WALK
NOT TO SCALE



23 CONCRETE CONTROL/EXPANSION JOINT
NOT TO SCALE

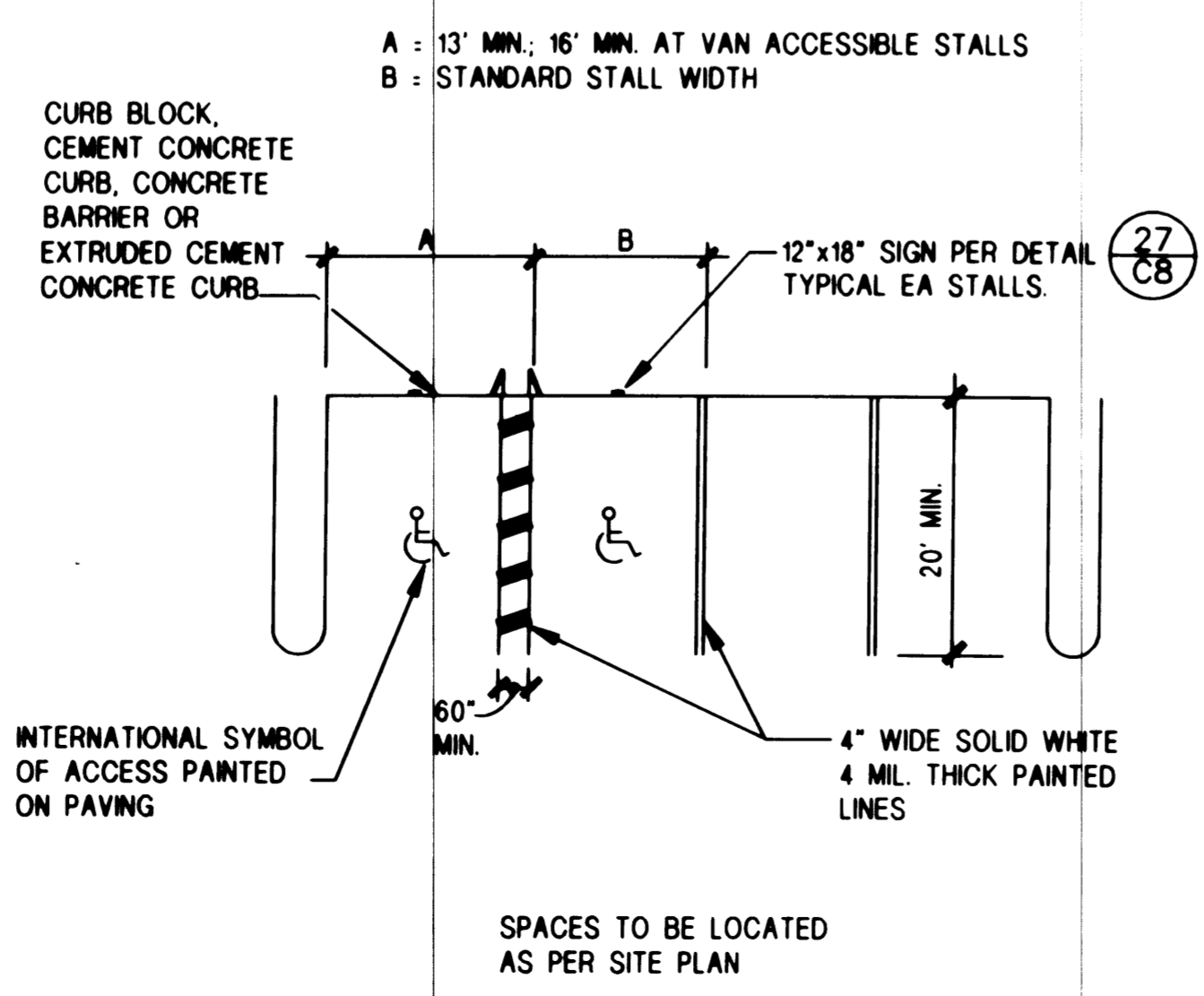


24 EXTRUDED CEMENT CONCRETE CURB
NOT TO SCALE

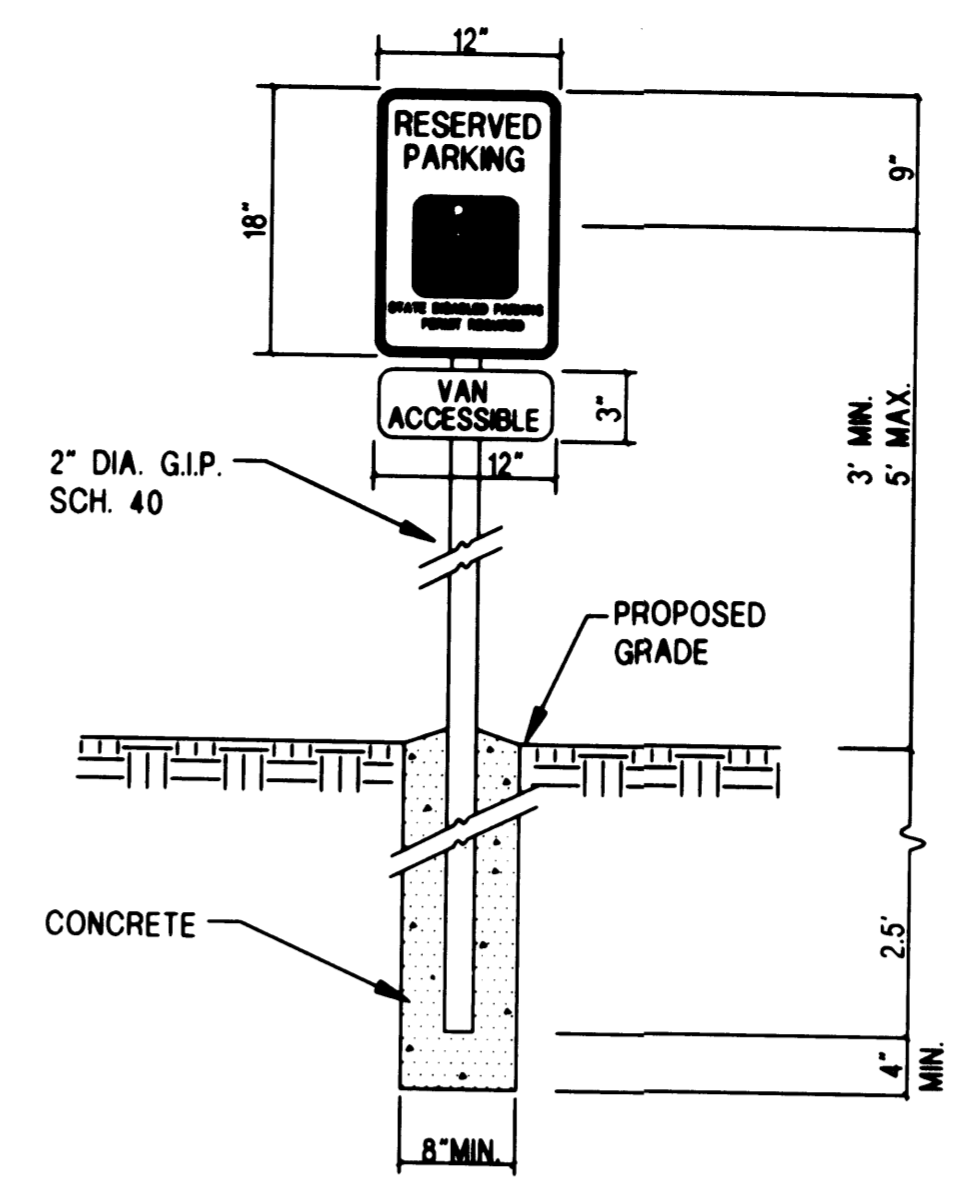


- NOTES:**
1. RAMP AND APPROACHES SHALL BE CLEAR OF OBSTACLES INCLUDING HYDRANTS, POLES & INLETS.
 2. RAMP SHALL BE TEXTURED BY IMPRINT OF METAL GRID WITH 1/2" SPACING.
 3. VISUAL WARNING STRIP SHALL BE PROVIDED 4" WIDE BETWEEN EXPANSION AND SCORED (CONTRACTION) JOINTS.
 4. RAMP CENTER LINE SHALL BE PERPENDICULAR TO OR RADIAL TO CURB RETURNS UNLESS OTHERWISE APPROVED BY ENGINEER.
 5. WHEN RAMPS ARE CONSTRUCTED ON ONE SIDE OF STREET, RAMPS SHALL BE CONSTRUCTED AT CORRESPONDING SIDEWALK LOCATIONS ON OPPOSITE SIDE OF STREET.

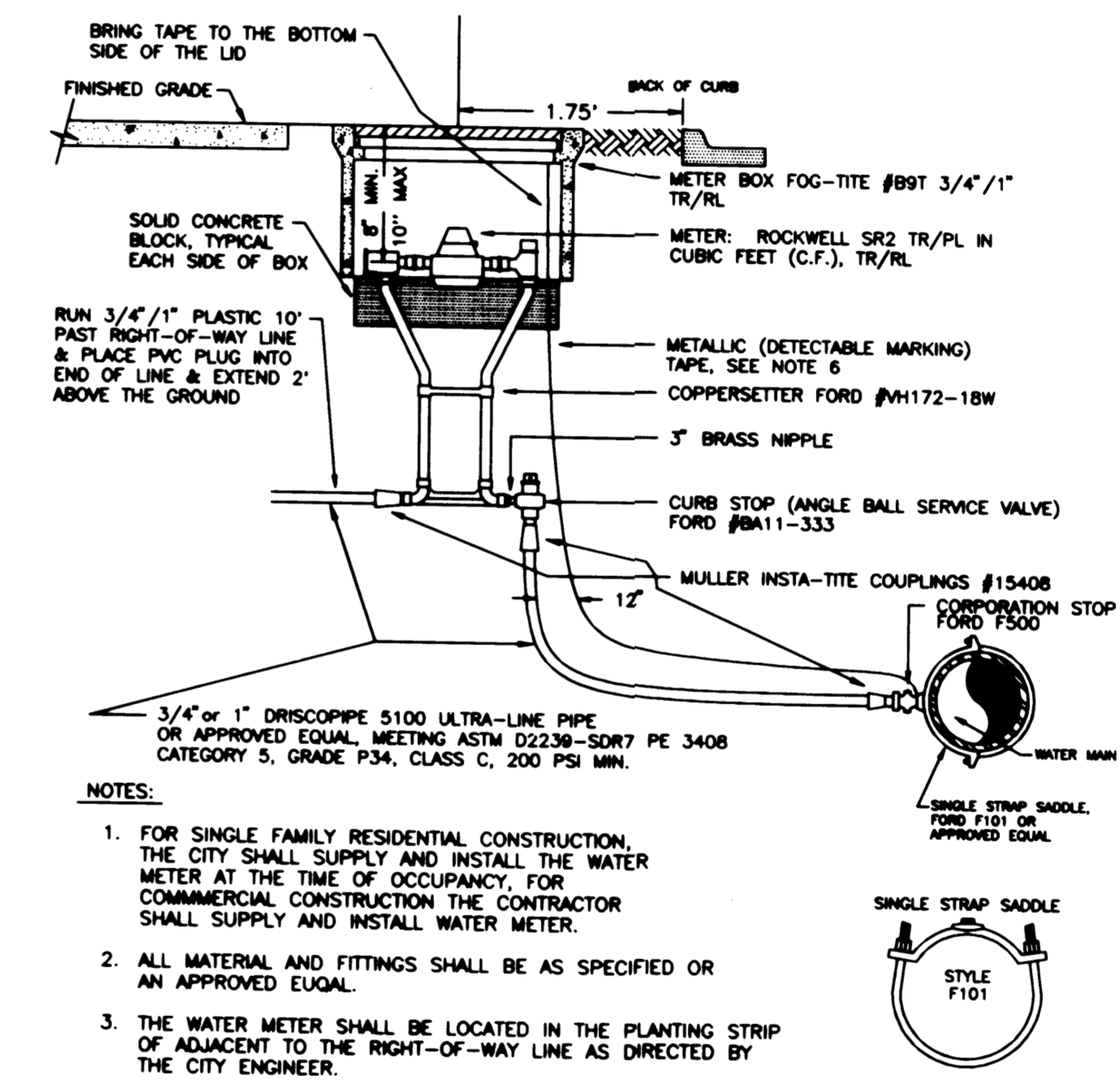
25 HANDICAP RAMP
NOT TO SCALE



26 TYPICAL PARKING AREA & STRIPPING
NOT TO SCALE



27 DISABLED PARKING SPACE SIGNAGE
NOT TO SCALE



28 1" WATER METER
NOT TO SCALE

APPROVED
BY: *[Signature]*
CITY OF PUYALLUP
CITY ENGINEER
DATE: 12-13-95

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ARCHITECTS
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Project No. **CASCADE CHRISTIAN SCHOOLS**
Date: DEC 13, 1995
Checked By: *[Signature]*

Project Title: **CASCADE CHRISTIAN SCHOOLS**
305 NORTH MERIDIAN
PUYALLUP, WA 98071

Drawing Title: **GENERAL NOTES & DETAILS**

Sheet No. **C8**

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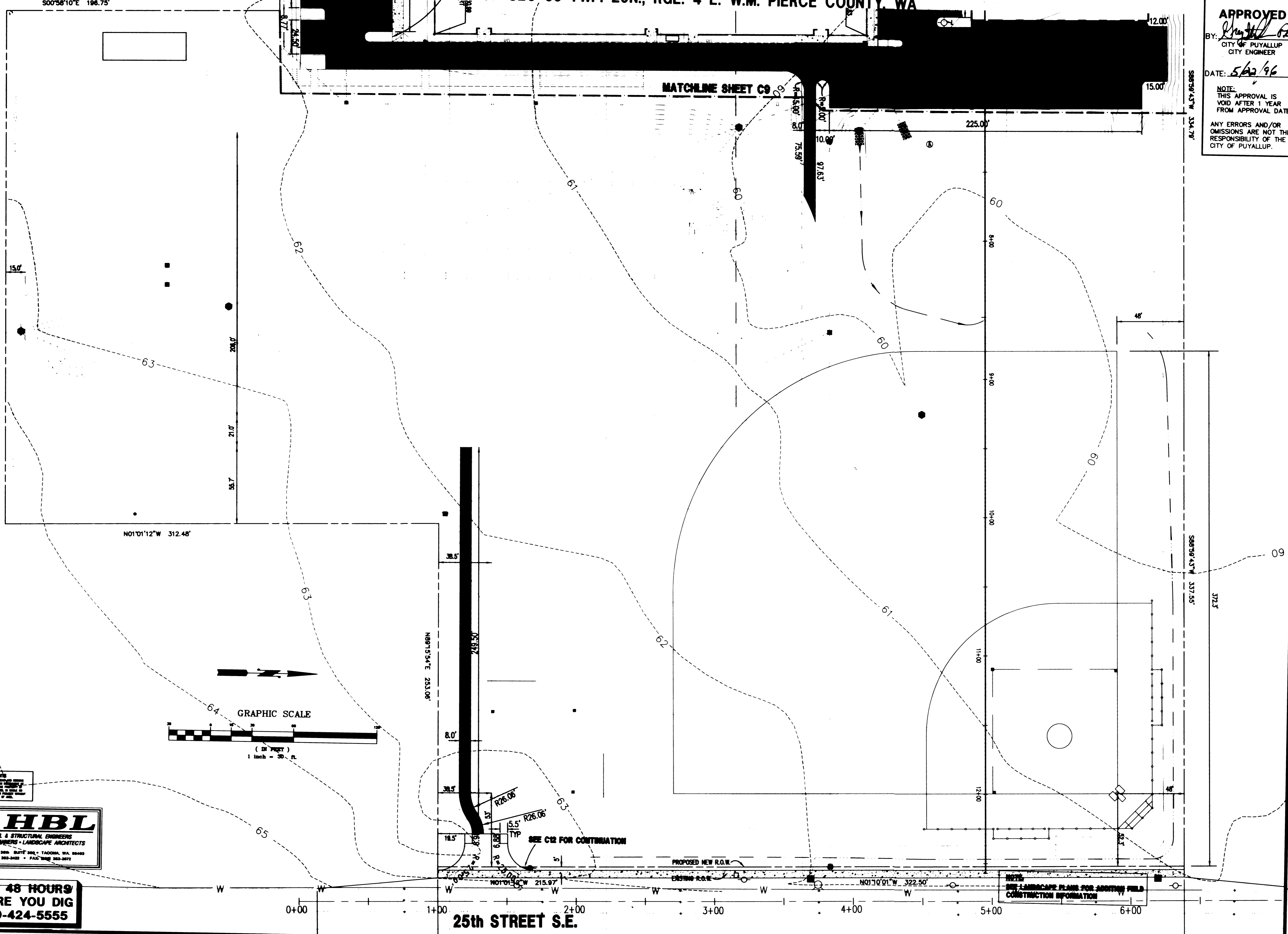
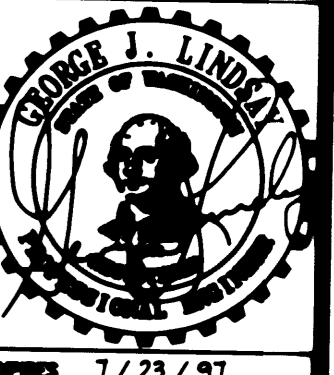
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 CITY OF PUYALLUP
 CITY ENGINEER
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Project	CASCADE CHRISTIAN SCHOOLS
Drawing Title	PAVING AND DIMENSIONING
Sheet No.	C10
Drawn By	VIV
Checked By	SMS
Revisions	
Project	306 NORTH MERIDIAN PUYALLUP, WA 98371

PORTION OF THE N 1/2 OF SEC 35 TWP. 20N., RGE. 4 E. W.M. PIERCE COUNTY, WA

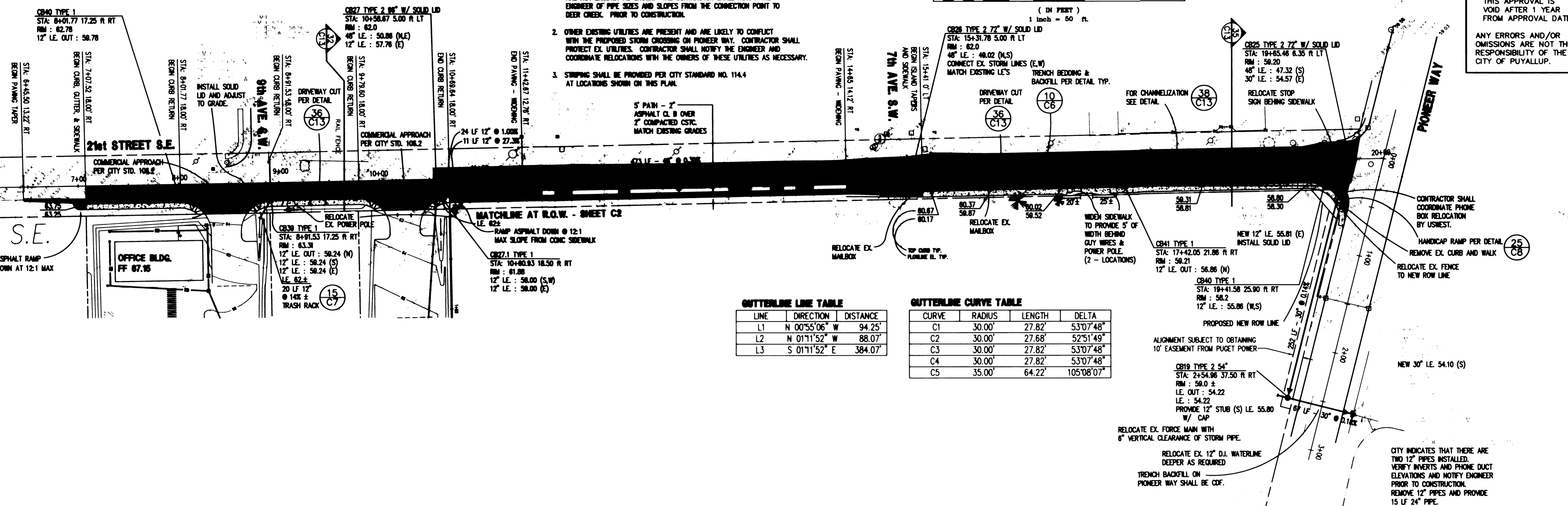
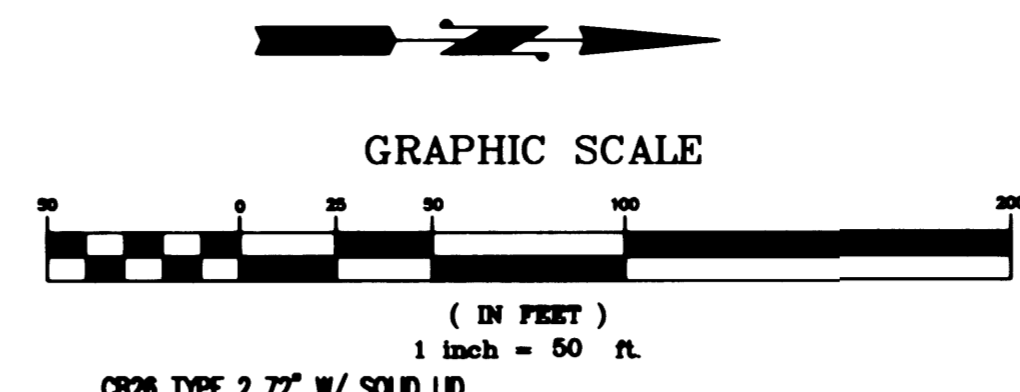
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PROFESSIONAL SEAL
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 LICENSE NO. 1723 / 91

NOTES:

- EXISTING UTILITY INFORMATION ON PIONEER WAY HAS BEEN TAKEN FROM CITY DESIGN PLANS AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. FIELD OBSERVATION INDICATES THAT STORM LINES AND STRUCTURES AT THE FINAL CONNECTION ON THE NORTH SIDE OF PIONEER WAY ARE NOT EXACTLY AS SHOWN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF PIPE SIZES AND SLOPES FROM THE CONNECTION POINT TO DEER CREEK, PRIOR TO CONSTRUCTION.
- OTHER EXISTING UTILITIES ARE PRESENT AND ARE LIKELY TO CONFLICT WITH THE PROPOSED STORM CROSSING ON PIONEER WAY. CONTRACTOR SHALL PROTECT EX. UTILITIES. CONTRACTOR SHALL NOTIFY THE ENGINEER AND COORDINATE RELOCATIONS WITH THE OWNERS OF THESE UTILITIES AS NECESSARY.
- STIPING SHALL BE PROVIDED PER CITY STANDARD NO. 114.4 AT LOCATIONS SHOWN ON THIS PLAN.

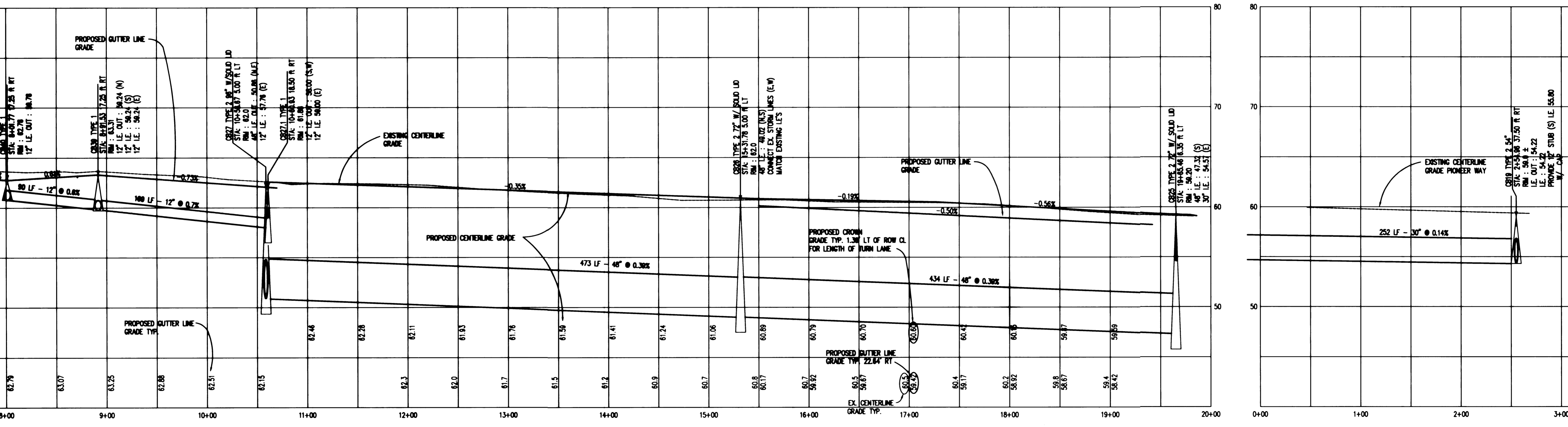


GUTTERLINE LINE TABLE

LINE	DIRECTION	DISTANCE
L1	N 00°55'06" W	94.25'
L2	N 01°11'52" W	88.07'
L3	S 01°11'52" E	384.07'

GUTTERLINE CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
C1	30.00'	27.82'	53°07'48"
C2	30.00'	27.68'	52°51'49"
C3	30.00'	27.82'	53°07'48"
C4	30.00'	27.82'	53°07'48"
C5	35.00'	64.22'	105°08'07"



21ST STREET S.E.
 HORIZONTAL 1" = 50'
 VERTICAL 1" = 5'

PIONEER WAY
 HORIZONTAL 1" = 50'
 VERTICAL 1" = 5'

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Project: **CASCADE CHRISTIAN SCHOOLS**
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Offsite Storm & 21st Improvements

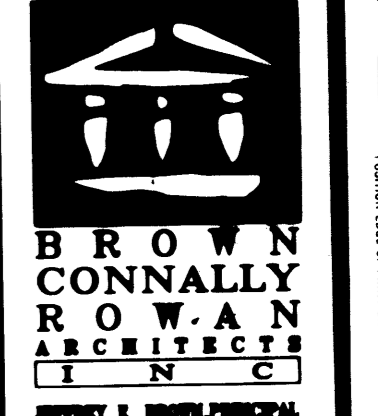
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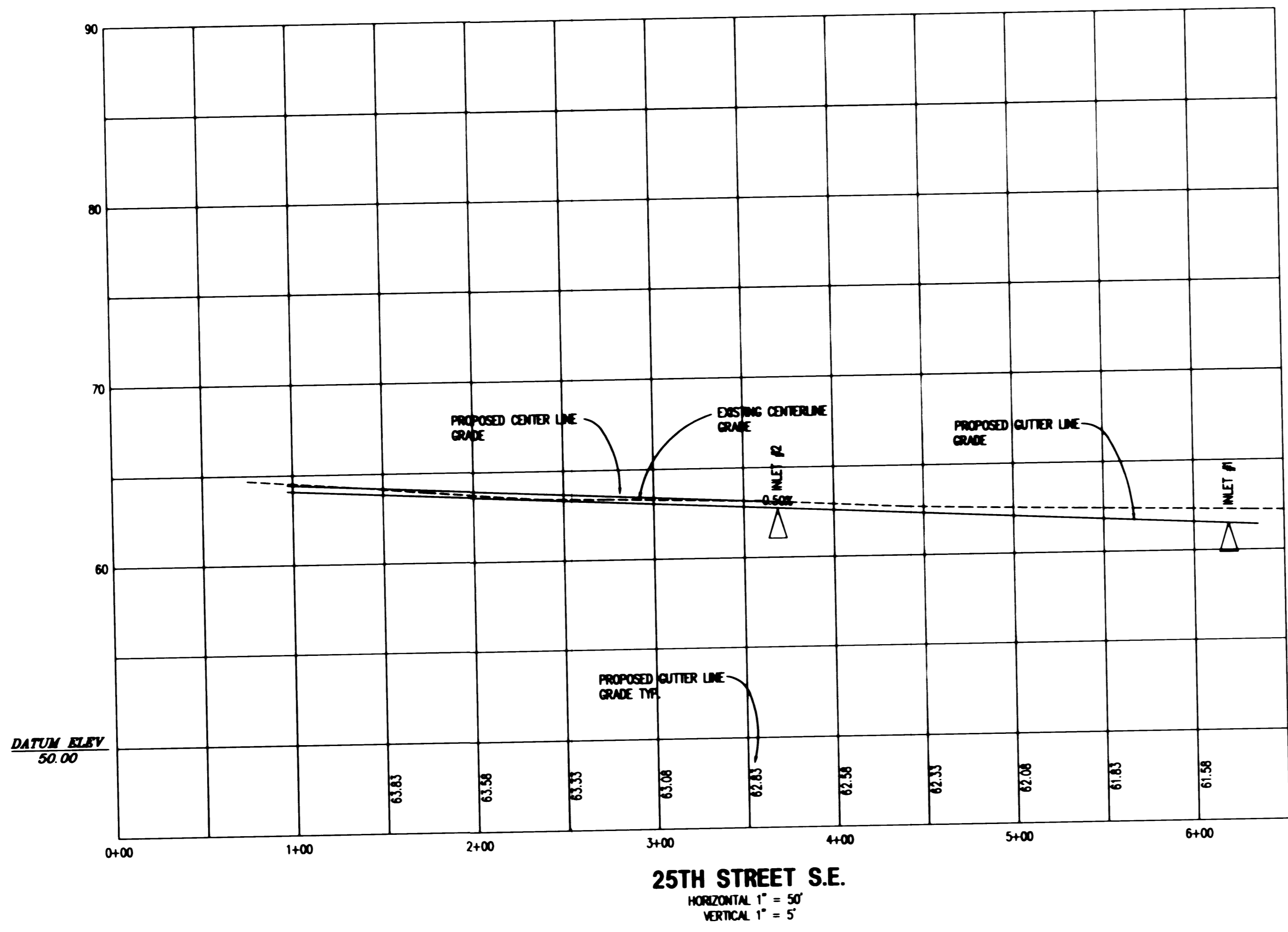
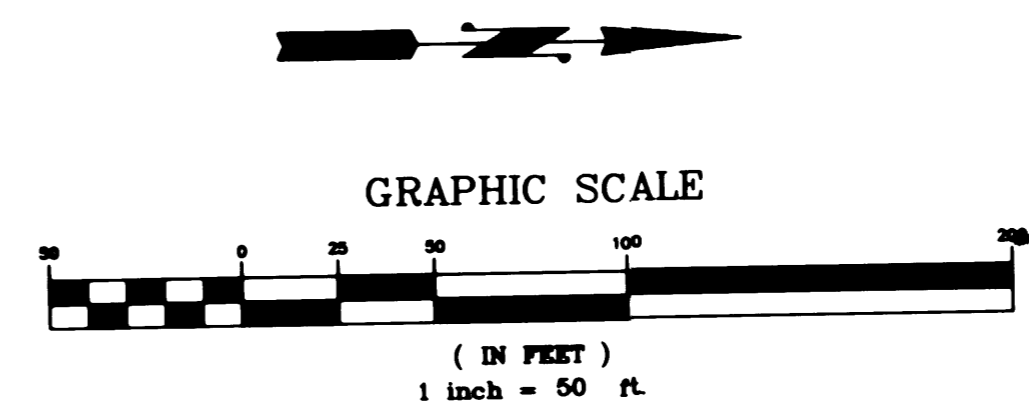
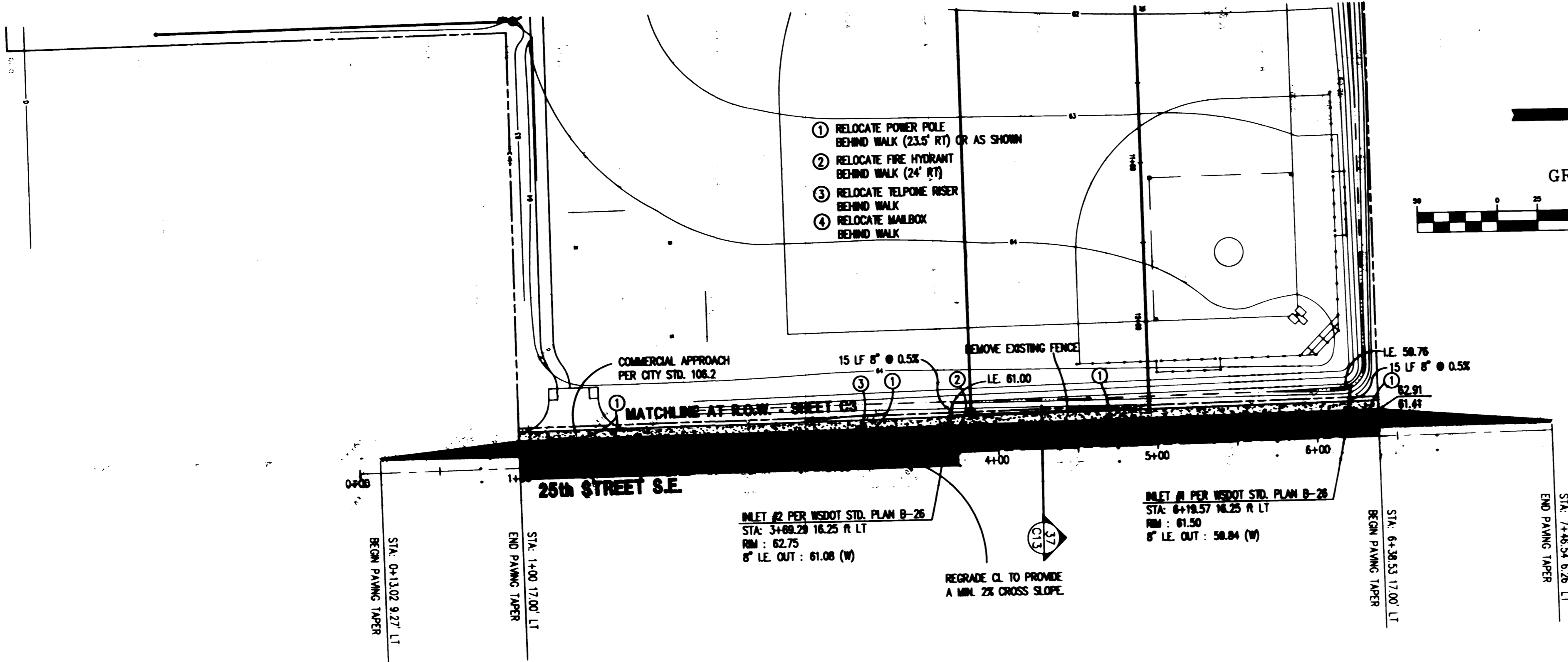
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Project
**CASCADE CHRISTIAN
 SCHOOLS**
 306 NORTH MERIDIAN
 PUYALLUP, WA 98371

Drawing Title
**OFFSITE STORM &
 IMPROVEMENTS**

Sheet No.
C12

Drawn By
 WV

Checked By
 SS

Date:
 MAY 21, 1996

Project No.

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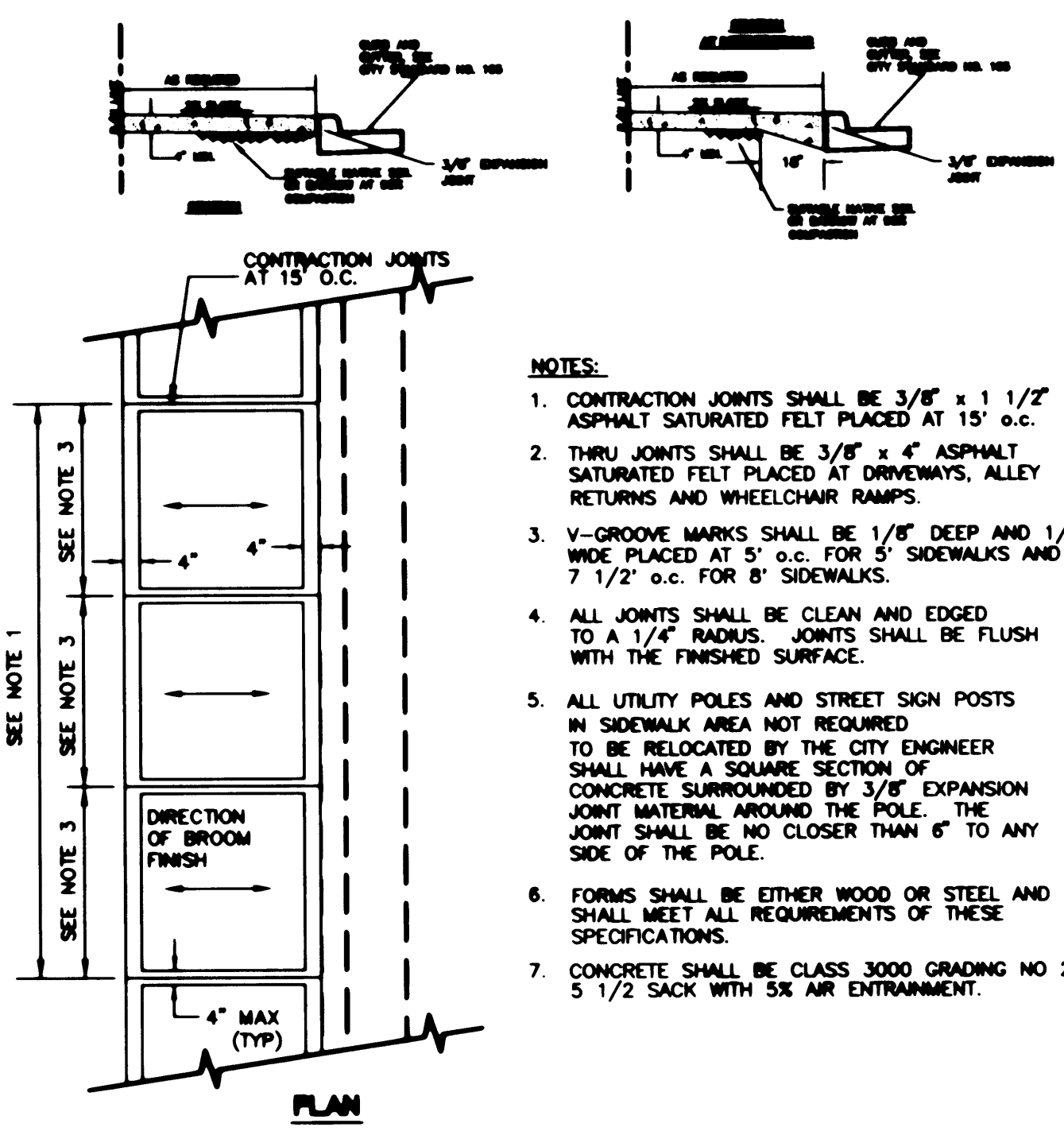
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 CITY ENGINEER
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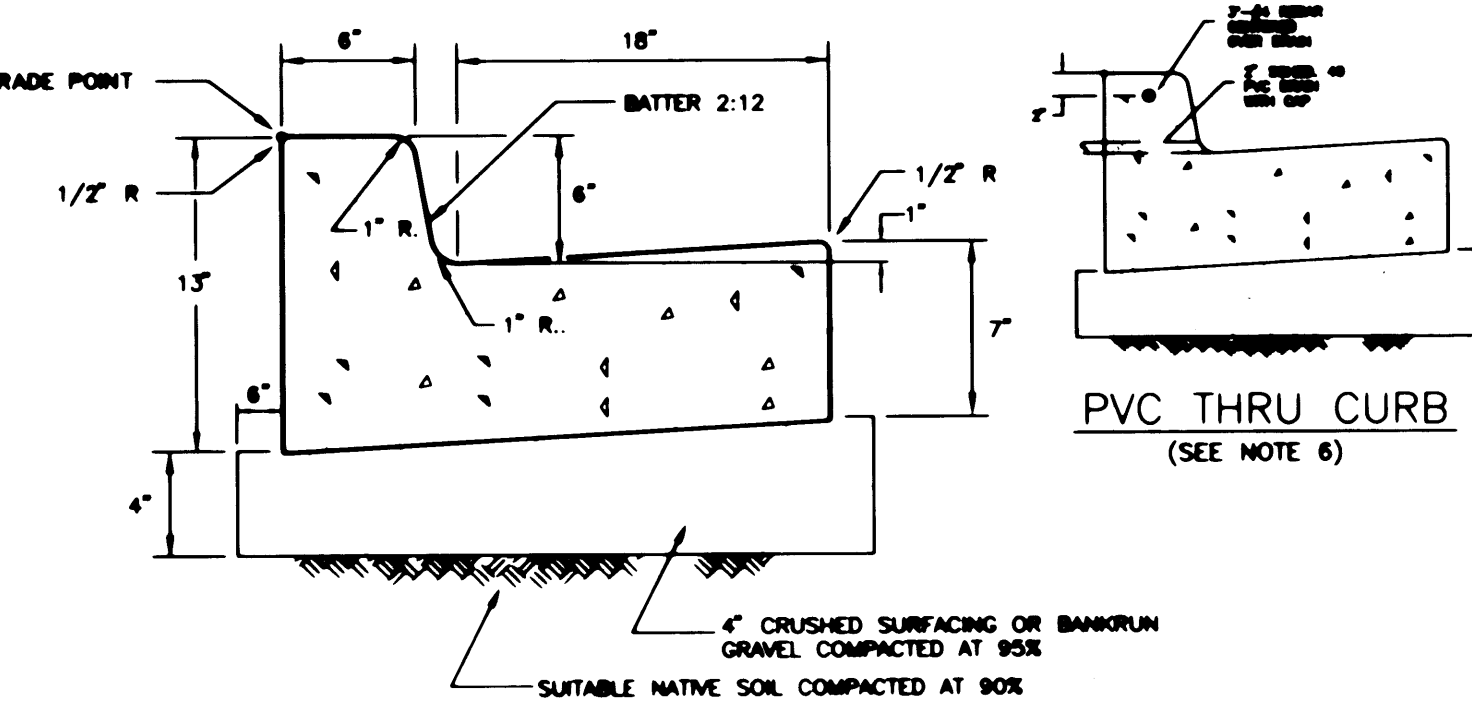
PORTION OF THE N 1/2 OF SEC 35 TWP. 20N., RGE. 4 E. W.M. PIERCE COUNTY, WA



- NOTES:**
- CONTRACTION JOINTS SHALL BE 3/8" x 1 1/2" ASPHALT SATURATED FELT PLACED AT 15' o.c.
 - THRU JOINTS SHALL BE 3/8" x 4" ASPHALT SATURATED FELT PLACED AT DRIVEWAYS, ALLEY RETURNS AND WHEELCHAIR RAMPS.
 - V-GROOVE MARKS SHALL BE 1/8" DEEP AND 1/4" WIDE PLACED AT 5' o.c. FOR 5' SIDEWALKS AND 7 1/2' o.c. FOR 8' SIDEWALKS.
 - ALL JOINTS SHALL BE CLEAN AND EDGED TO A 1/4" RADIUS. JOINTS SHALL BE FLUSH WITH THE FINISHED SURFACE.
 - ALL UTILITY POLES AND STREET SIGN POSTS IN SIDEWALK AREA NOT REQUIRED TO BE RELOCATED BY THE CITY ENGINEER SHALL HAVE A SQUARE SECTION OF CONCRETE SURROUNDED BY 3/8" EXPANSION JOINT MATERIAL AROUND THE POLE. THE JOINT SHALL BE NO CLOSER THAN 6" TO ANY SIDE OF THE POLE.
 - FORMS SHALL BE EITHER WOOD OR STEEL AND SHALL MEET ALL REQUIREMENTS OF THESE SPECIFICATIONS.
 - CONCRETE SHALL BE CLASS 3000 GRADING NO 2 5 1/2 SACK WITH 5% AIR ENTRAINMENT.

30 SIDEWALK

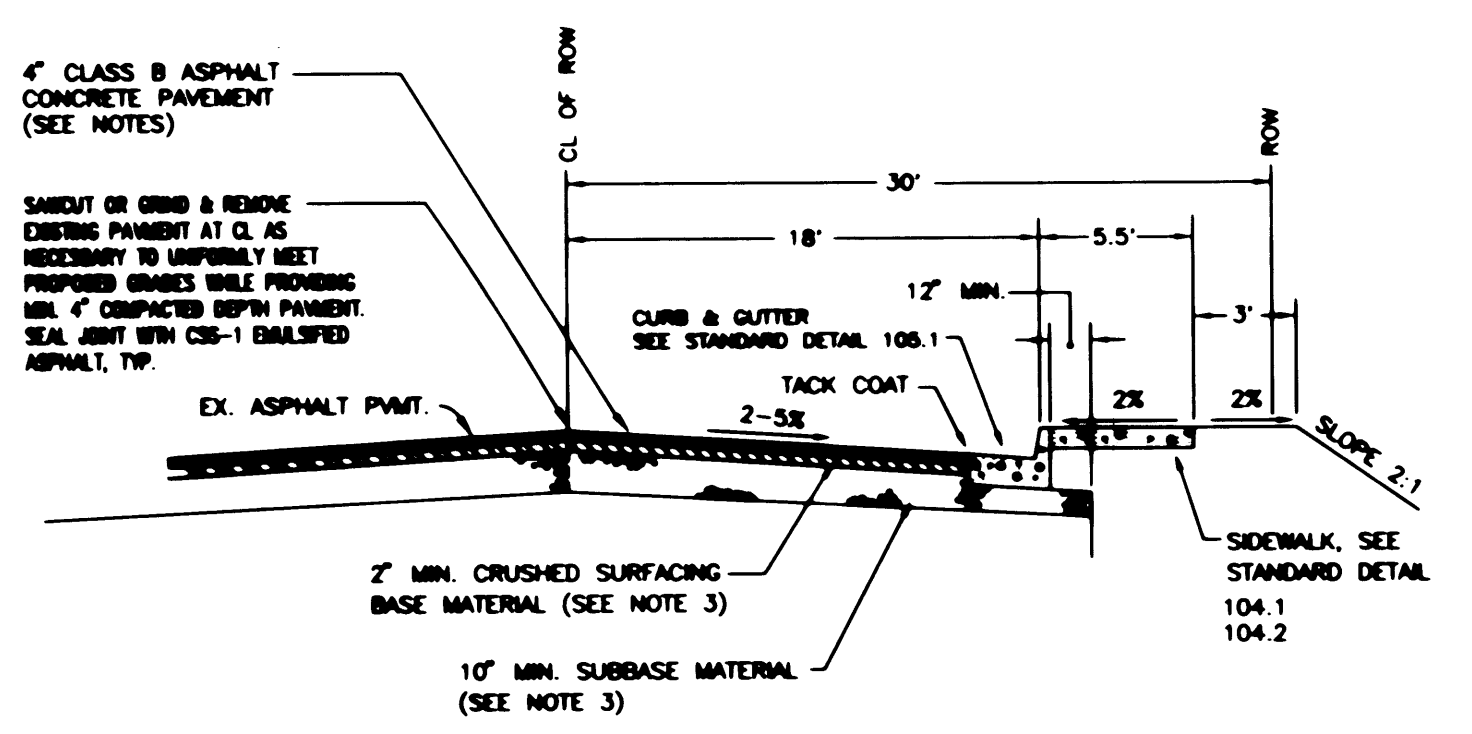
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- NOTES:**
- CONTRACTION JOINTS SHALL BE 3/8" x 2 1/4" ASPHALT SATURATED FELT PLACED IN ALL EXPOSED SURFACES OF CURB AND GUTTER AND SPACED AT 15' MAX. 10' MIN. O.C.
 - THRU JOINTS SHALL BE 3/4" ASPHALT SATURATED FELT PLACED AT POINTS OF TANGENCY ON CURVES, AT CATCH BASINS, AND AT EDGES OF ALLEY AND DRIVEWAYS. THE MAXIMUM DISTANCE BETWEEN THRU JOINTS SHALL BE 100'.
 - CONCRETE SHALL BE CLASS 3000 GRADING NO. 2 (5 1/2 - 1 1/2)
 - FORMS SHALL BE STEEL UNLESS PRIOR APPROVAL IS GIVEN BY THE CITY ENGINEER. FORMS SHALL BE SET TRUE TO LINE AND GRADE AND SECURELY STAKED PRIOR TO CONCRETE PLACEMENT. FULL DEPTH DIVISION PLATES ARE ONLY TO BE USED WHERE THRU JOINTS ARE TO BE PLACED.
 - THE 1" RADIUS ON THE UPPER FACE OF THE CURB MAY BE FORMED BY AN EDGER TOOL OR BUILT INTO THE FACE FORM. THE 1" RADIUS AT THE BOTTOM FACE OF THE CURB SHALL BE FORMED BY THE FACE FORM.
 - 2" SCHEDULE 40 PVC SHALL BE PLACED THROUGH CURB AT LOW POINTS OF PROPERTY OR LOT WHEN GRADE SLOPES DOWN TO STREET.

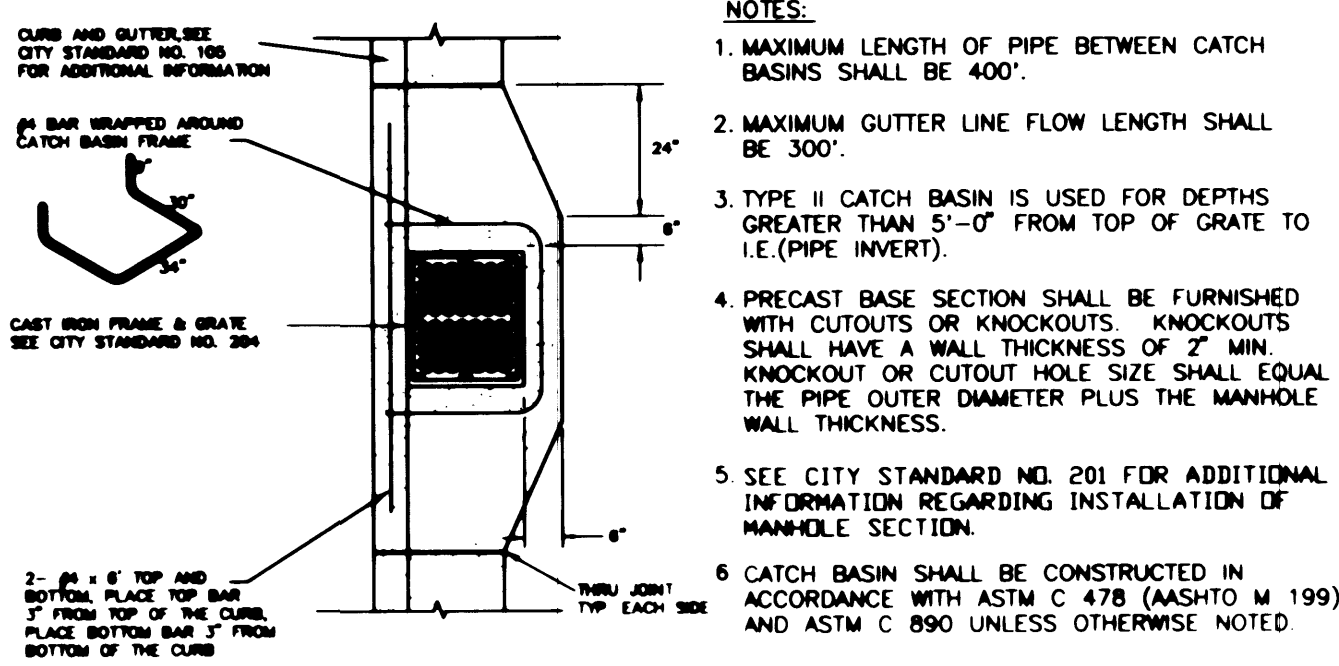
31 CURB & GUTTER

FROM CITY STD. NO 105.1
NOT TO SCALE



32 21ST FRONTAGE SECTION

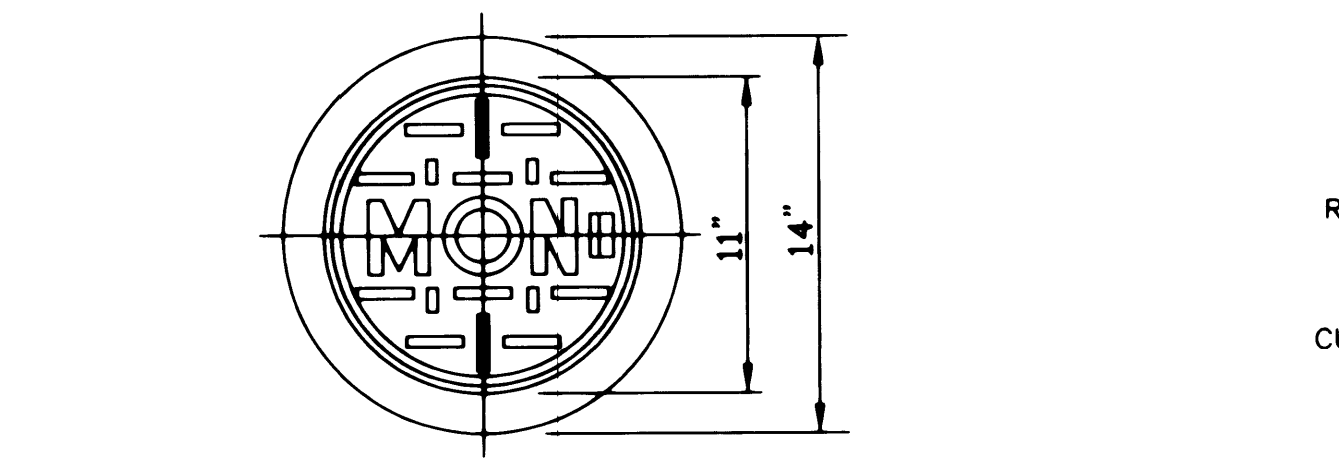
COLLECTOR STREET
FROM CITY STD. NO 101
NOT TO SCALE



- NOTES:**
- MAXIMUM LENGTH OF PIPE BETWEEN CATCH BASINS SHALL BE 400'.
 - MAXIMUM GUTTER LINE FLOW LENGTH SHALL BE 300'.
 - TYPE II CATCH BASIN IS USED FOR DEPTHS GREATER THAN 5'-0" FROM TOP OF GRATE TO I.E. (PIPE INVERT).
 - PRECAST BASE SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. KNOCKOUT OR CUTOUT HOLE SIZE SHALL EQUAL THE PIPE OUTER DIAMETER PLUS THE MANHOLE WALL THICKNESS.
 - SEE CITY STANDARD NO. 201 FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF MANHOLE SECTION.
 - CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (ASHTO M 199) AND ASTM C 890 UNLESS OTHERWISE NOTED.

33 CB DETAIL

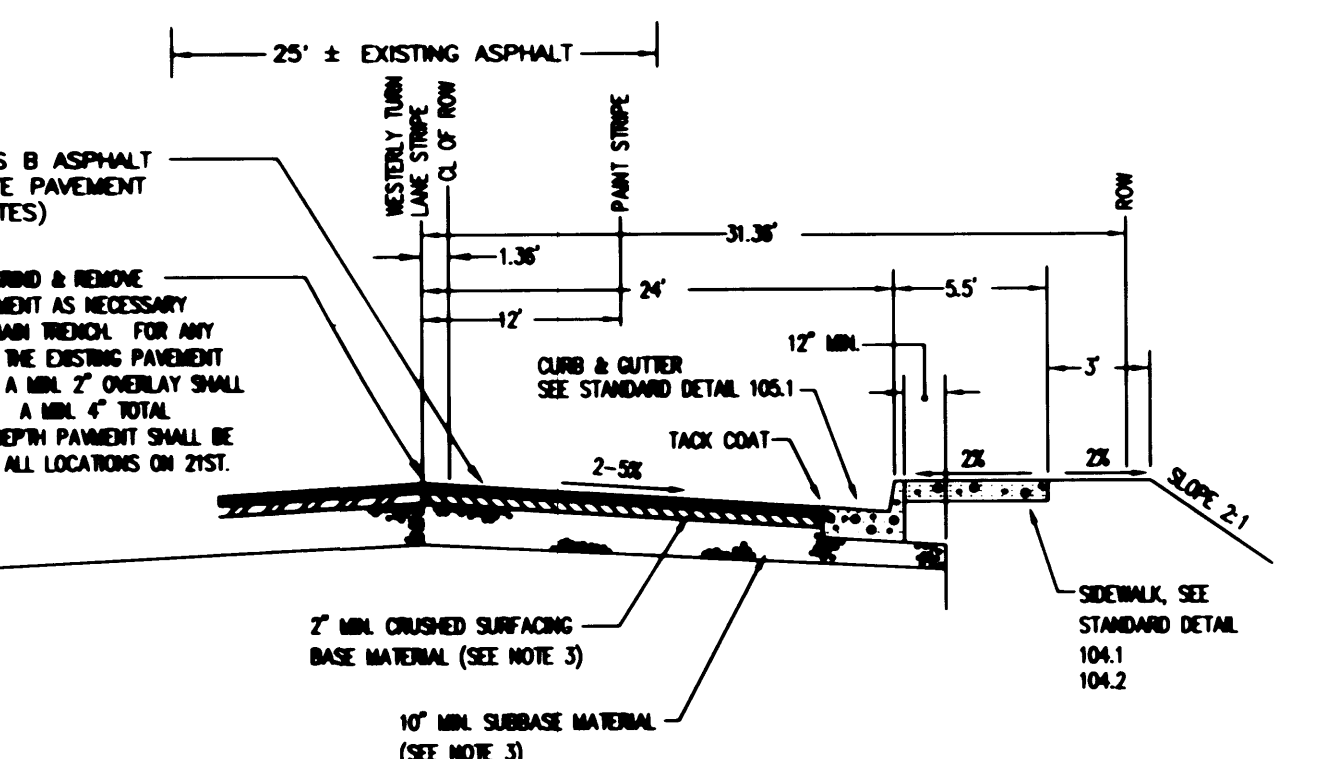
FROM CITY STD. NO 202
NOT TO SCALE



- NOTES:**
- CASTINGS FOR MONUMENT CASES, COVERS, AND RISERS SHALL BE GRAY IRON CASTINGS CONFORMING TO THE REQUIREMENTS OF ASHTO M 105, CLASS 30B.
 - THE CORNER AND SEAT SHALL BE MACHINED SO AS TO HAVE PERFECT CONTACT AROUND THE ENTIRE CIRCUMFERENCE AND FULL WIDTH OF BEARING SURFACE.

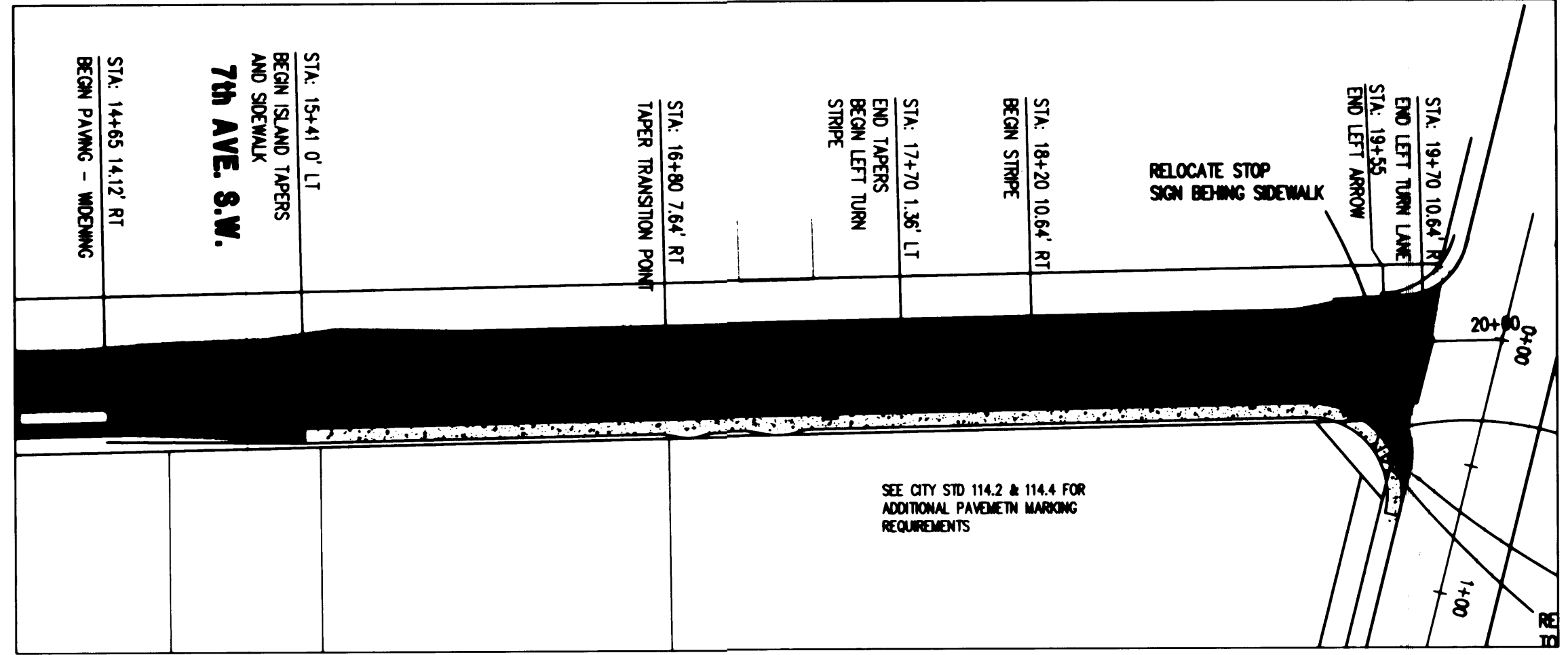
34 MONUMENT

FROM CITY STD. NO 109
NOT TO SCALE



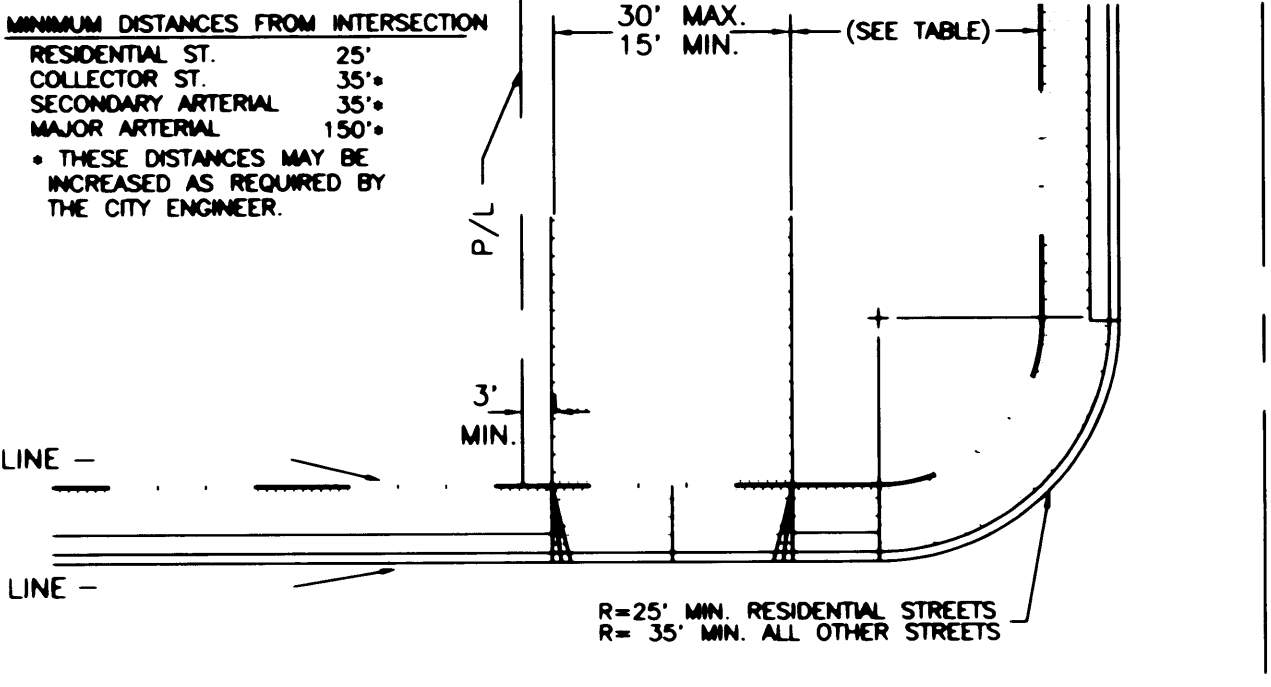
35 21ST TURN POCKET SECTION

COLLECTOR STREET
FROM CITY STD. NO 101
NOT TO SCALE



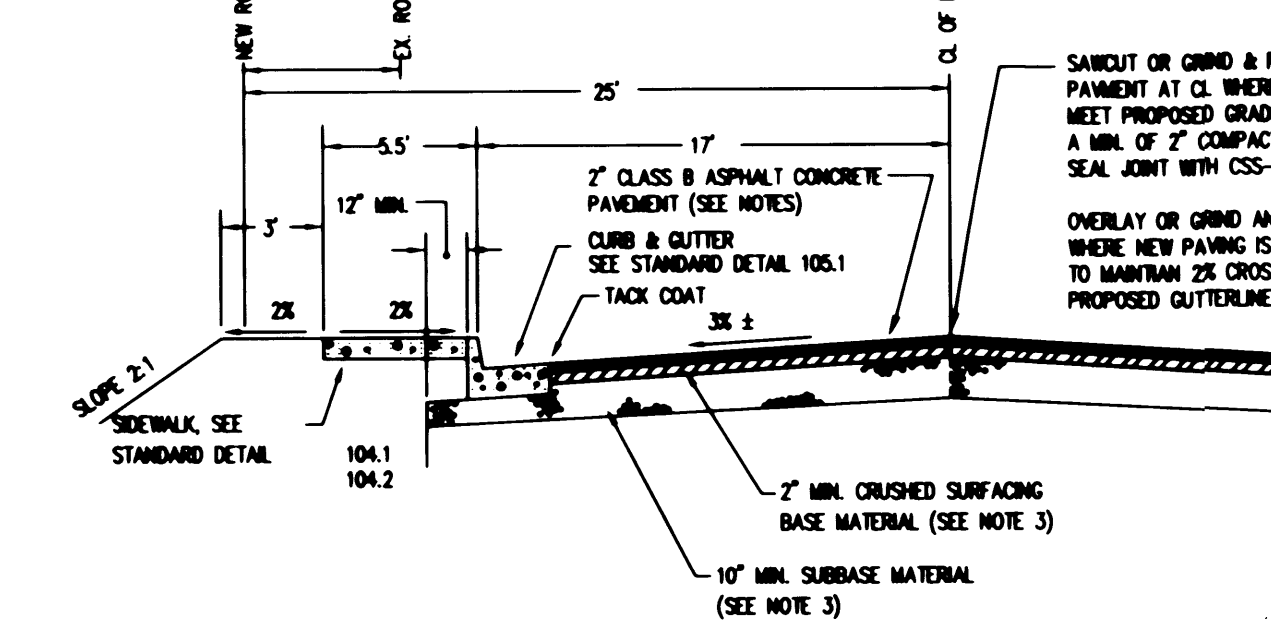
38 CHANNELIZATION PLAN

SCALE 1" = 50'



36 DRIVEWAY APPROACH

FROM CITY STD. NO 106.1
NOT TO SCALE



37 25TH FRONTAGE SECTION

RESIDENTIAL STREET
FROM CITY STD. NO 101
NOT TO SCALE

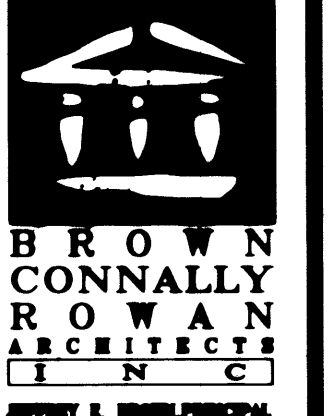
APPROVED

BY: *[Signature]*
CITY OF PUYALLUP
CITY ENGINEER

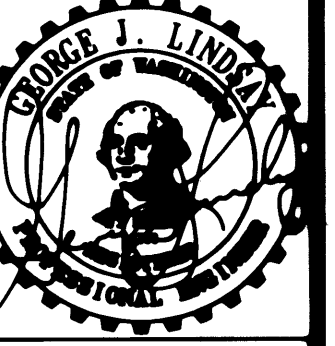
DATE: 5/22/96

NOTE:
THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR THE ERRORS AND/OR OMISSIONS ON THESE PLANS.

FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE CITY ENGINEER.



BROWN CONNALLY ROWAN ARCHITECTS
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7/23/97

Drawn By	SMS	Created By	SMS
Project No.		Date	MAY 21, 1996

CASCADE CHRISTIAN SCHOOLS

GENERAL NOTES & DETAILS

Sheet No.

CALL 48 HOURS BEFORE YOU DIG
1-800-424-5555

AHBL
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