CITY OF WEST LINN

RIVER STREET SANITARY SEWER INTERCEPTOR

IMPROVEMENT PROJECT - (CI-94-05)

SYMBOL LEGEND

SYMBOL (EXISTING)	DESCRIPTION
	CATCH BASIN
	FIRE HYDRANT
	GATE VALVE
	UTILITY POLE
WM	WATER METER
	SIGN
	BUILDING
	TAX LOT NO.
	TRAIL
	CONTOUR LINE 1'
	CONTOUR LINE 10'
S S	SEWER LINE
W W	WATER LINE
SD SD	STORM DRAIN LINE
	EDGE OF ASPHALT
	EDGE OF CONCRETE
	PROPERTY LINE (ROW)
X X	FENCE
FM FM	SEWER FORCE MAIN
	EDGE OF GRAVEL
	TREE
	VEGETATION LINE
(PROPOSED)	
	WATER METER
	MANHOLE
	SANITARY SEWER

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ASPHALTIC CONCRETE
CB	CATCH BASIN
CI	CAST IRON
C	CENTERLINE
CONC	CONCRETE
CONT	CONTINUATION
CU	CUBIC
DI	DUCTILE IRON
DIA	DIAMETER
DWG	DRAWING
EA	EACH
EL	ELEVATION
EXIST	EXISTING
FH	FIRE HYDRANT
FL	FLOW LINE
FM	FORCE MAIN
FT	FEET
G	GAS
GV	GAS VALVE
INV	INVERT
IR	IRON ROD
LF	LINEAL FEET
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
NC	NOT IN CONTRACT
PVC	POLYVINYL CHLORIDE
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
S	SLOPE (FT/FT)
SD	STORM DRAIN
SHT	SHEET
SS	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
TYP	TYPICAL
W/	WITH
W	WATER
WM	WATER METER

GENERAL NOTES

1. THE LOCATION, SIZE, TYPE AND NUMBER OF UTILITIES SHOWN ON THE PLANS IS APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSULT WITH THE OWNERS OF THE VARIOUS UTILITIES AND FIELD VERIFY LOCATIONS PRIOR TO CONSTRUCTION, AS NECESSARY.
2. PLANS ARE BASED ON TOPOGRAPHIC INFORMATION PROVIDED BY KAMPE & ASSOCIATES, DATED 6-13-95. KAMPE'S ASSUMED DATUM IS 6.5 FEET BELOW CITY OF WEST LINN, BENCH MARK: RIM OF CITY OF WEST LINN MAHOLE 1A-10 LOCATED AT THE INTERSECTION OF RIVER AND HOLLY STREETS: ELEV = 51.60 KAMPE ELEV = 50.95
3. WHERE EXISTING SEWER IS SHOWN TO BE REPLACED. THE PIPE SHALL BE LAID ON THE SAME ALIGNMENT AS THE EXISTING SEWER. WHERE EXISTING SEWER IS NOT REPLACED, ENDS OF EXISTING PIPE SHALL BE PLUGGED WITH CONCRETE. EXISTING MANHOLES NOT REPLACED SHALL HAVE MANHOLE RIM AND LID REMOVED AND SHALL BE FILLED WITH CLASS "B" AGGREGATE. RIM AND LID TO BE SALVAGED TO THE OWNER.
4. ALL MANHOLES ARE 54-INCH DIAMETER PER DETAIL 3/7 UNLESS SHOWN OTHERWISE
5. EXISTING INTERCEPTOR FLOWS SHALL BE MAINTAINED DURING THE COURSE OF CONSTRUCTION. FLOW MAINTENANCE SHALL BE ACCOMPLISHED IN A MANNER THAT WILL IN NO WAY ADVERSELY AFFECT PUBLIC HEALTH, SAFTEY OR WELFARE.

DRAWING REFERENCES

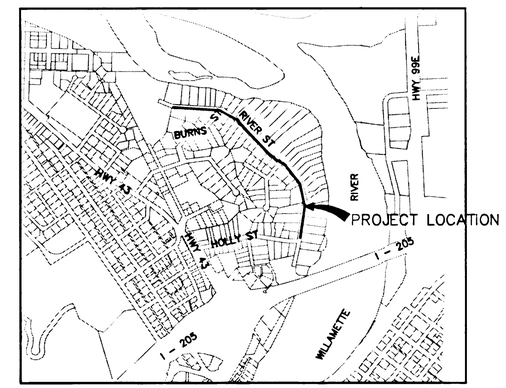
THE SYMBOLS LISTED ON THIS SHEET ARE TYPICAL SYMBOLS THAT MAY OR MAY NOT BE USED IN THIS SET OF PLANS. SPECIAL SYMBOLS WILL BE NOTED ON THE SHEETS TO WHICH THEY APPLY TO

1. DRAWINGS ARE CROSS REFERENCED IN THE FOLLOWING MANNER:
   (a) SECTION CUT ON SHEET 7:
   - A — SECTION IDENTIFICATION
   - 7 — SHEET ON WHICH SECTION APPEARS

   (b) ON SHEET 4 THE SECTION IS IDENTIFIED AS:
   - A — SECTION IDENTIFICATION
   - 4 — SHEET FROM WHICH THE SECTION WAS TAKEN

   (c) SECTION CUT AND SHOWN ON SAME SHEET:
   - A — SECTION IDENTIFICATION
   - – — SAME SHEET
2. PLANS, DETAILS AND ELEVATIONS ARE CROSS REFERENCED IN A SIMILAR MANNER.
3. SECTION REFERENCED IN TEXT. "SEE 4/7" MEANS SEE SECTION 4 OR DETAIL 4 ON SHEET 7.

VICINITY MAP



SHEET INDEX

SHEET NUMBER	DRAWING TITLE AND GENERAL NOTES
1	COVER SHEET
2	PLAN AND PROFILE STA 0+00 TO STA 5+00
3	PLAN AND PROFILE STA 5+00 TO STA 11+00
4	PLAN AND PROFILE STA 11+00 TO STA 17+00
5	PLAN AND PROFILE STA 17+00 TO STA 23+00
6	PLAN AND PROFILE STA 23+00 TO STA 24+04
7	DETAIL SHEET

NO.	REVISION	BY	DATE

PROJECT MANAGER: DENNIS ROBERTSON
DESIGNED BY: DLR
DRAWN BY: JLB
CHECKED BY: RMK
SCALE: AS SHOWN

REGISTERED PROFESSIONAL ENGINEER 7,752 OREGON JULY 8, 1973 DENNIS L. ROBERTSON

KATO & WARREN INCORPORATED
Suite 280, The Water Tower
5331 SW Macadam Avenue
Portland, Oregon 97201
Tel: (503) 226-4200
Fax: (503) 227-2369

CITY OF WEST LINN, OREGON
RIVER STREET SANITARY SEWER INTERCEPTOR
IMPROVEMENT PROJECT (CI-94-05)

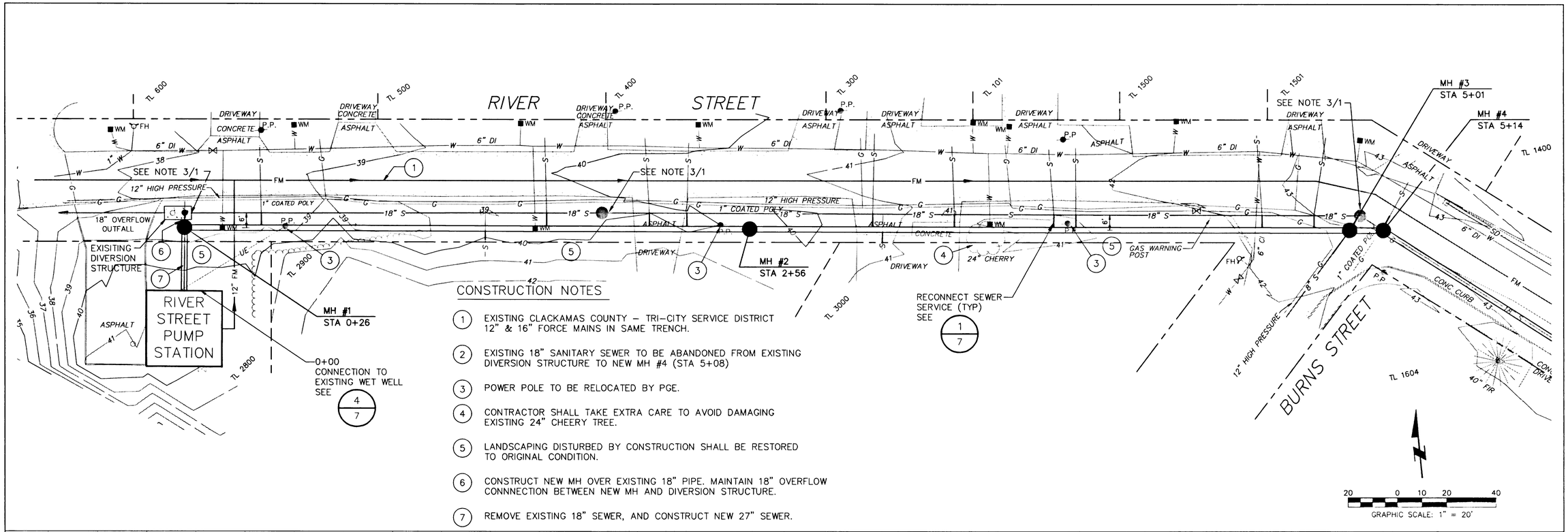
COVER SHEET
SHEET INDEX, VICINTY MAP, GENERAL NOTES, SYMBOLS, ABBREVIATIONS AND REFERENCES

PROJECT NO. KW 95256
SHEET NO. 1 OF 7

G01.DWG

CITY OF WEST LINN – RIVER STREET SANITARY SEWER INTERCEPTOR IMPROVEMENT PROJECT (CI-94-05) ■ COVER SHEET ■ SHEET 1 OF 7

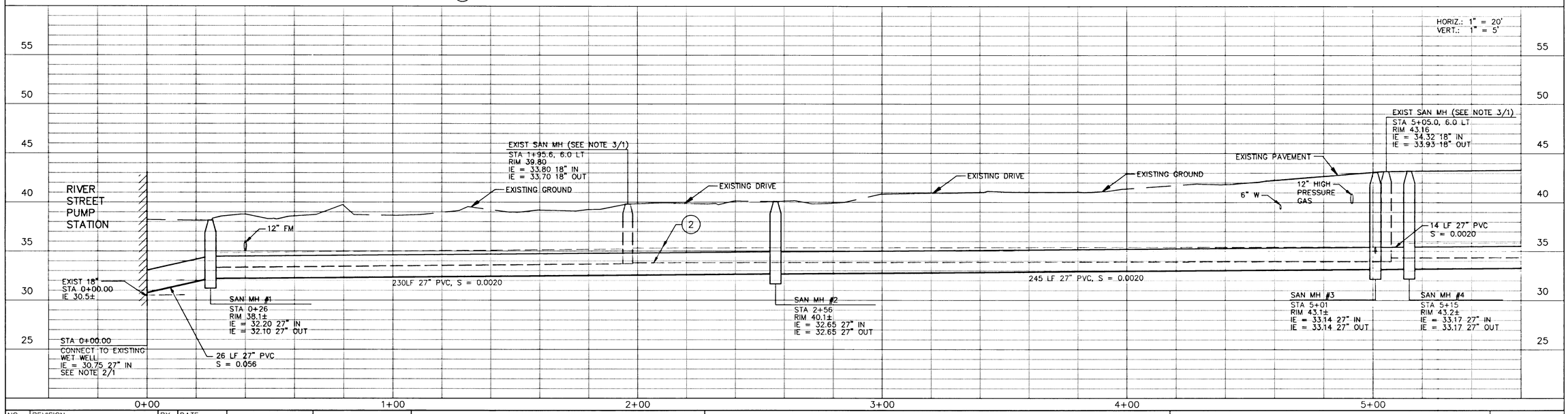
KATO & WARREN 95256



CONSTRUCTION NOTES

1. EXISTING CLACKAMAS COUNTY – TRI-CITY SERVICE DISTRICT 12" & 16" FORCE MAINS IN SAME TRENCH.
2. EXISTING 18" SANITARY SEWER TO BE ABANDONED FROM EXISTING DIVERSION STRUCTURE TO NEW MH #4 (STA 5+08)
3. POWER POLE TO BE RELOCATED BY PGE.
4. CONTRACTOR SHALL TAKE EXTRA CARE TO AVOID DAMAGING EXISTING 24" CHEERY TREE.
5. LANDSCAPING DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION.
6. CONSTRUCT NEW MH OVER EXISTING 18" PIPE. MAINTAIN 18" OVERFLOW CONNNECTION BETWEEN NEW MH AND DIVERSION STRUCTURE.
7. REMOVE EXISTING 18" SEWER, AND CONSTRUCT NEW 27" SEWER.

GRAPHIC SCALE: 1" = 20'



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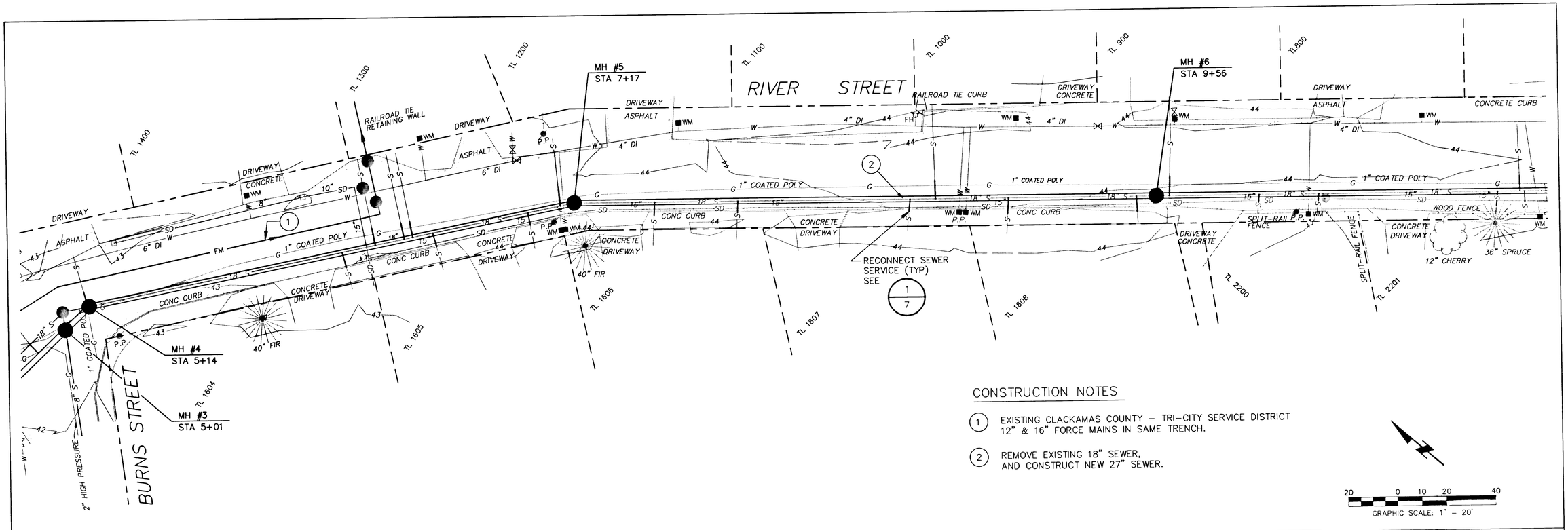
PLAN AND PROFILE
STA 0+00 TO STA 5+00

PROJECT NO. KW 95256
SHEET NO. 2 OF 7

CITY OF WEST LINN – RIVER STREET SANITARY SEWER INTERCEPTOR IMPROVEMENT PROJECT (CI-94-05) ■ PLAN AND PROFILE ■ SHEET 2 OF 7

KATO & WARREN 95256

C01.DWG



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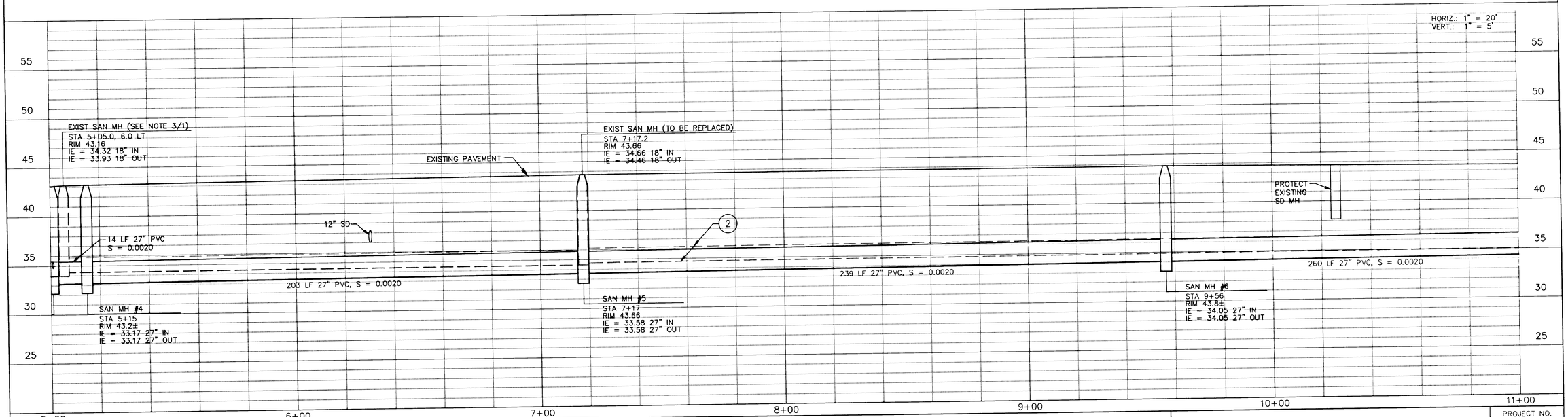

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Suite 280, The Water Tower
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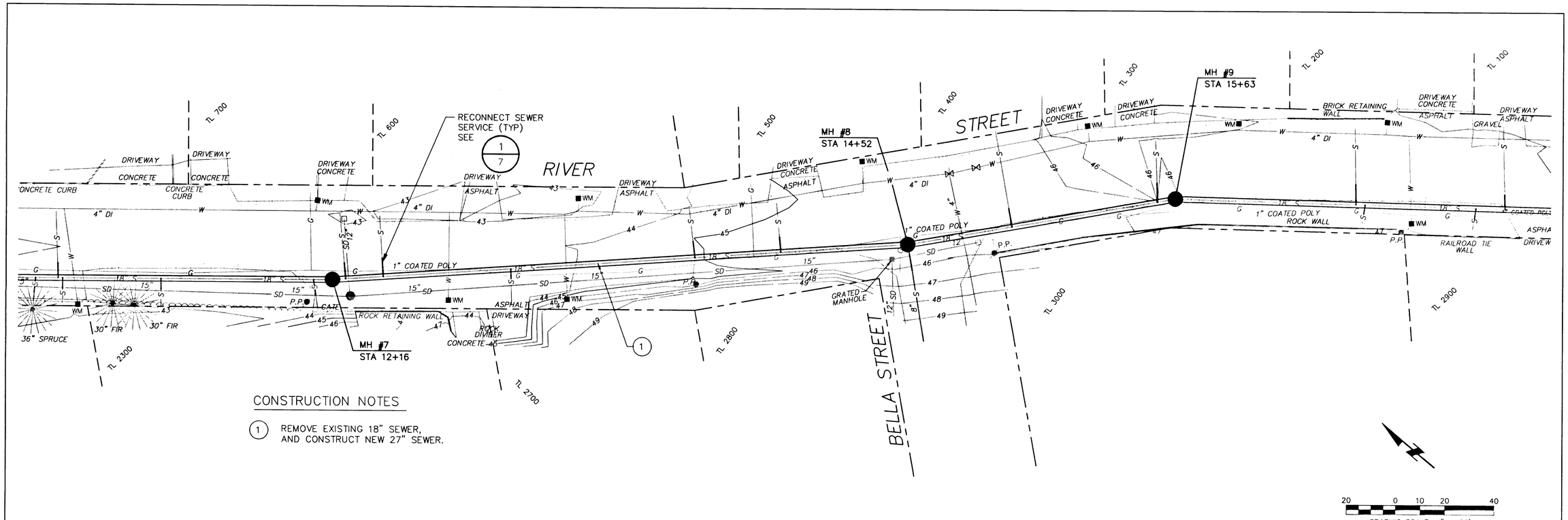
PLAN AND PROFILE
STA 5+00 TO STA 11+00

PROJECT NO. KW 95256
SHEET NO. 3 OF 7

CO2.DWG

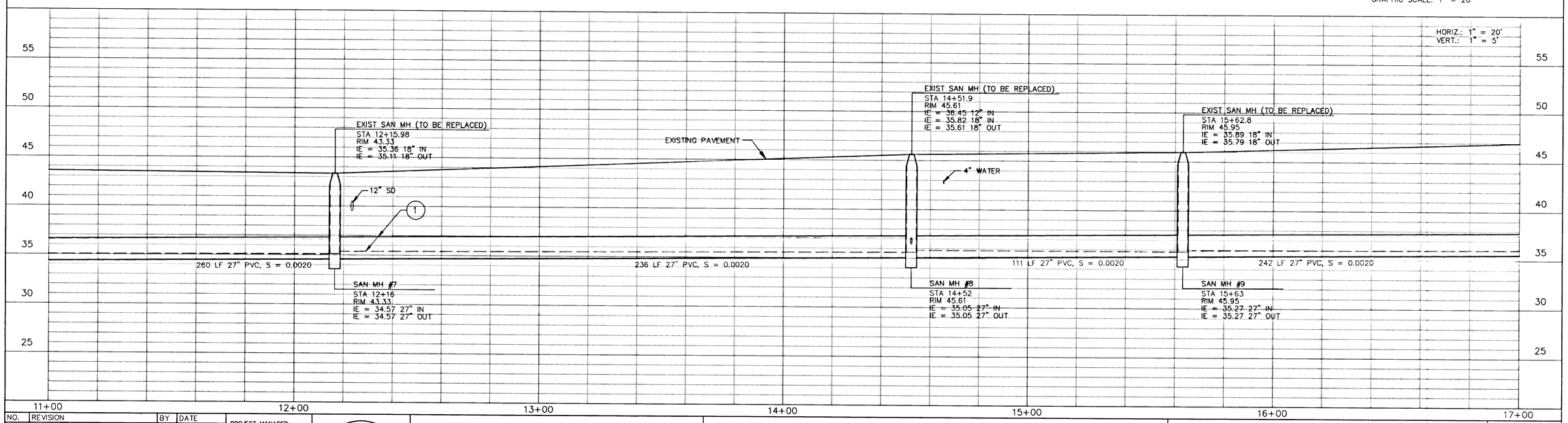
CITY OF WEST LINN – RIVER STREET SANITARY SEWER INTERCEPTOR IMPROVEMENT PROJECT (CI-94-05) ■ PLAN AND PROFILE ■ SHEET 3 OF 7

KATO & WARREN 95256



CONSTRUCTION NOTES

(1) REMOVE EXISTING 18" SEWER, AND CONSTRUCT NEW 27" SEWER.



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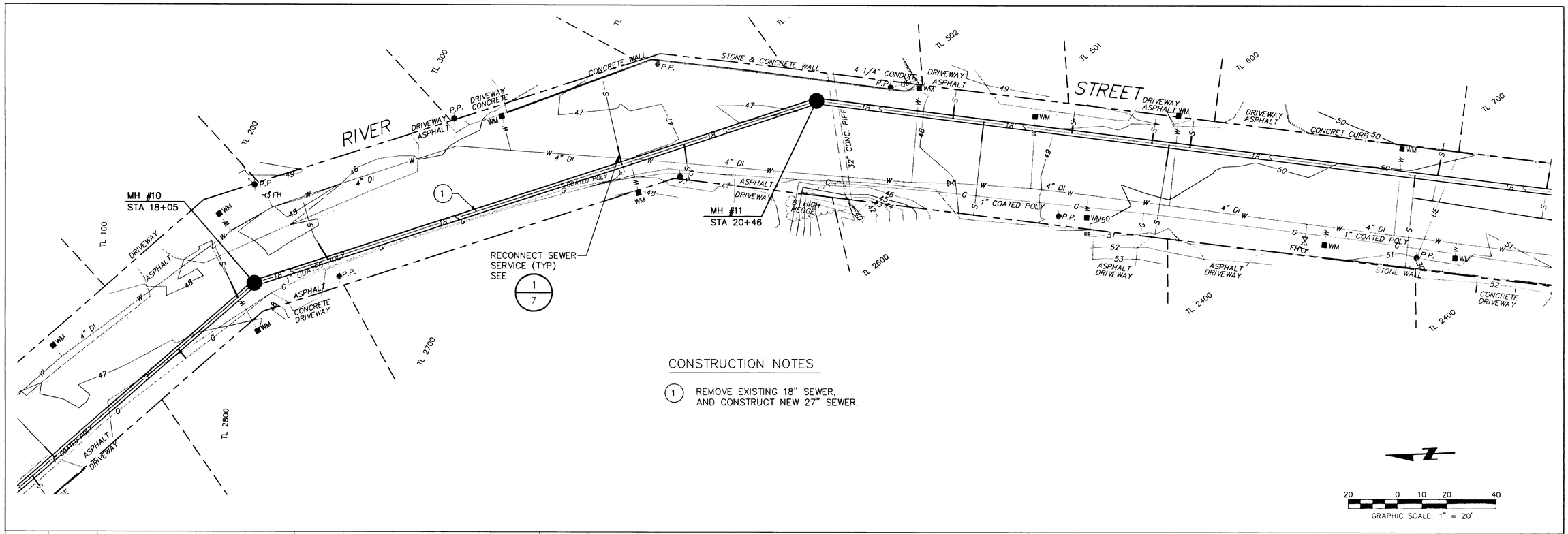
PLAN AND PROFILE
STA 11+00 TO STA 17+00

PROJECT NO. KW 95256
SHEET NO. 4 OF 7

C03.DWG



CONSTRUCTION NOTES

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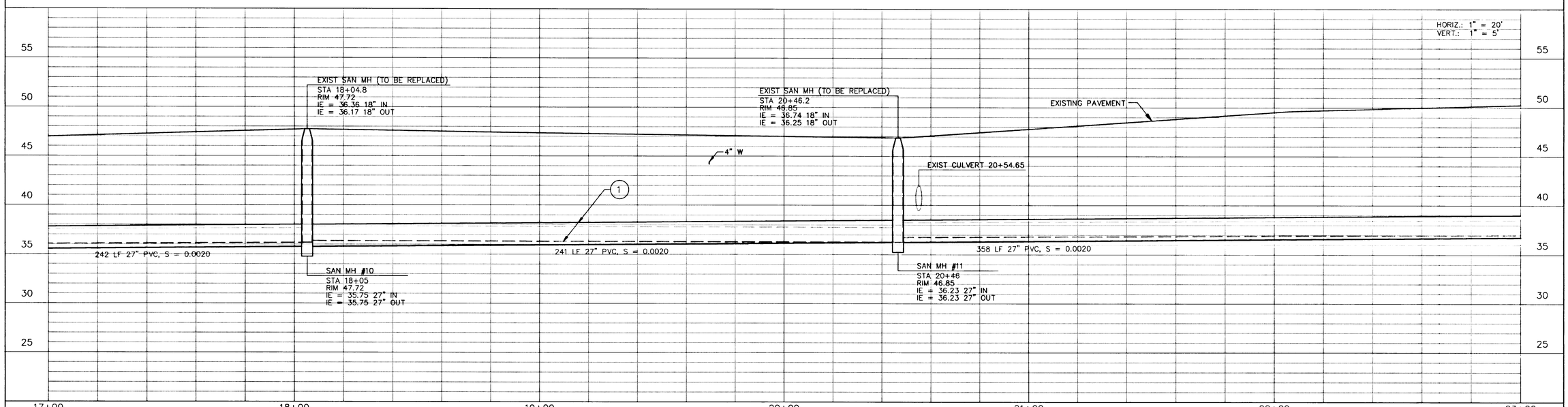

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SCALE: AS SHOWN

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CITY OF WEST LINN, OREGON
RIVER STREET SANITARY SEWER INTERCEPTOR IMPROVEMENT PROJECT (CI-94-05)

PLAN AND PROFILE
STA 17+00 TO STA 23+00

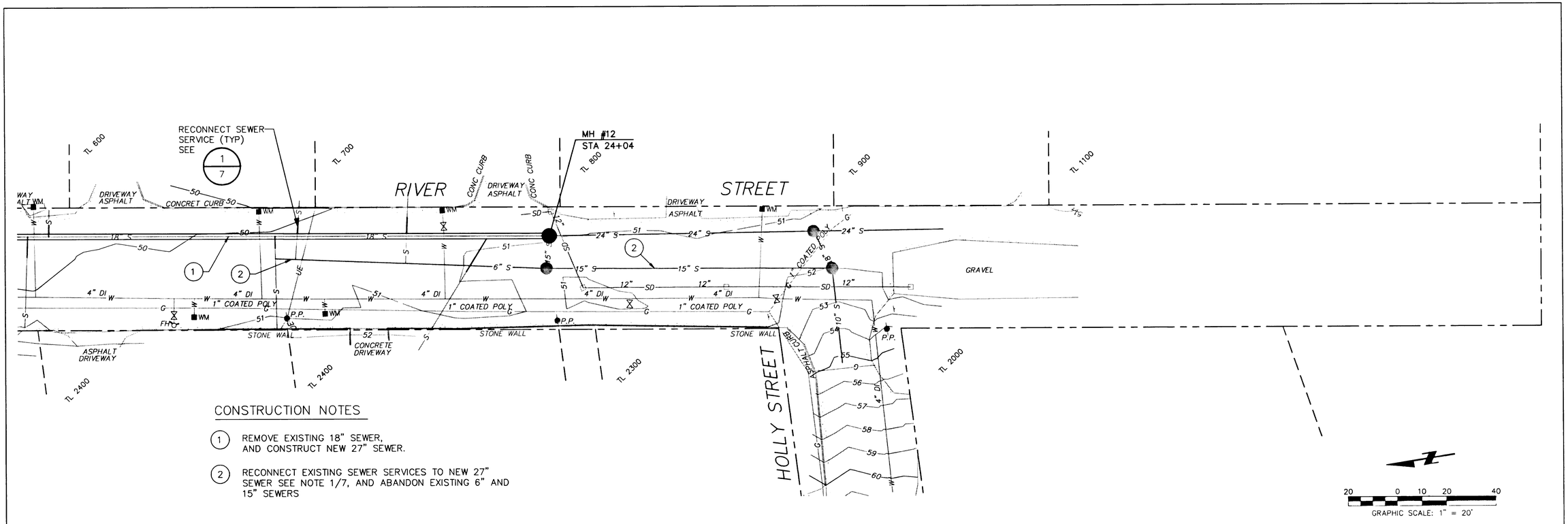
PROJECT NO. KW 95256

SHEET NO. 5 OF 7

KATO & WARREN 95256

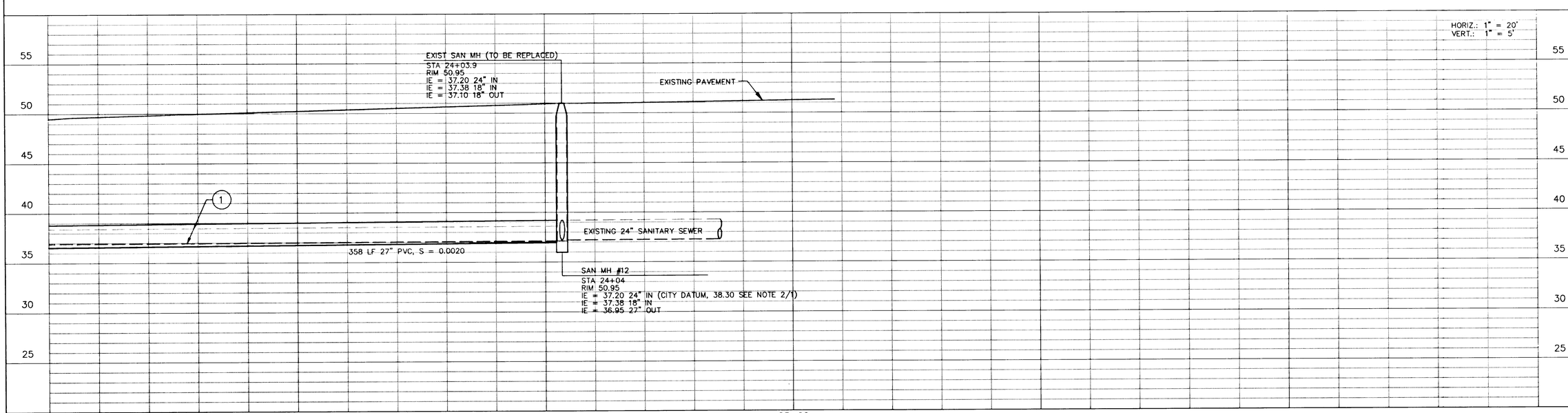
CO4.DWG

CITY OF WEST LINN – RIVER STREET SANITARY SEWER INTERCEPTOR IMPROVEMENT PROJECT (CI-94-05) ■ PLAN AND PROFILE ■ SHEET 5 OF 7



CONSTRUCTION NOTES

1. REMOVE EXISTING 18" SEWER, AND CONSTRUCT NEW 27" SEWER.
2. RECONNECT EXISTING SEWER SERVICES TO NEW 27" SEWER SEE NOTE 1/7, AND ABANDON EXISTING 6" AND 15" SEWERS



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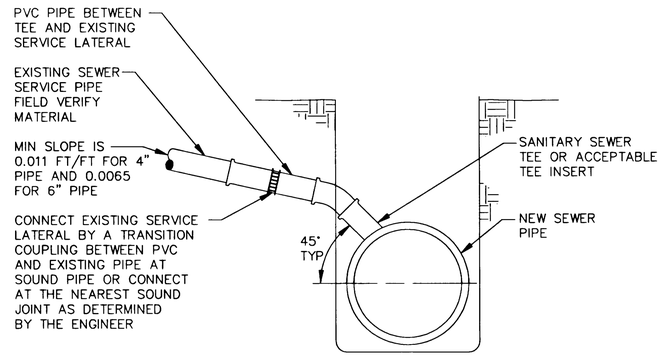
PLAN AND PROFILE
STA 23+00 TO STA 24+04

PROJECT NO. KW 95256
SHEET NO. 6 OF 7

KATO & WARREN 95256

C05.DWG

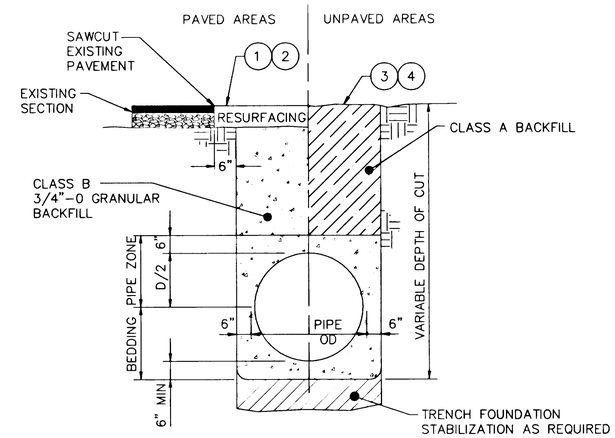


TYPICAL LATERAL CONNECTION (1/2) 3,4,5

NTS

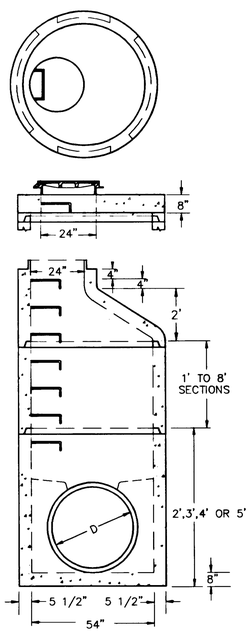
CONSTRUCTION NOTES

1. TYPE 1 RESTORATION – 2" OF CLASS "B" AC OR MATCH EXISTING, WHICHEVER IS GREATER. TYPE IV RESTORATION – CONCRETE, MATCH EXISTING PLUS 1" ADDITIONAL THICKNESS.
2. MAXIMUM RESTORATION PAY WIDTH – PIPE ID PLUS 60".
3. MATCH EXISTING GROUND, AND ASSURE THAT NO SURFACE DEPRESSION RESULTS AT TRENCHLINE.
4. MAXIMUM RESTORATION PAY WIDTH – PIPE ID PLUS 48"



TYPICAL TRENCH DETAIL (2/2) 3,4,5

NTS



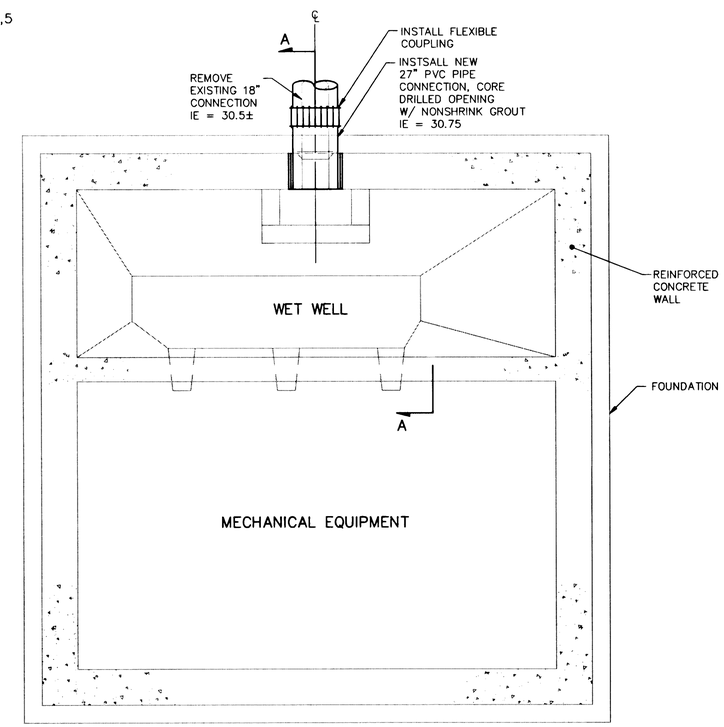
54" MANHOLE
FOR 36" DIAMETER OR SMALLER PIPE

NOTES:

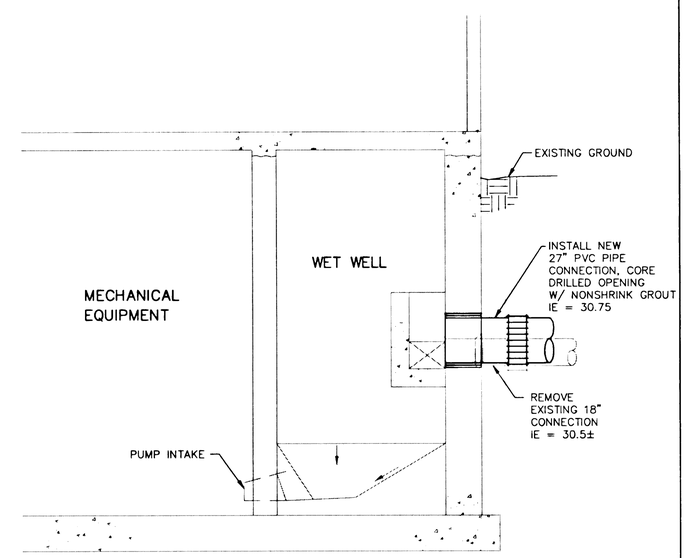
1. STANDARD MANHOLE STEPS OR LADDERS SHALL BE INSTALLED.
2. FOR OTHER DETAILS REFER TO CITY OF WEST LINN DWG NO. MH – 209

54" MANHOLE SECTION (3/2) 3,4,5

NTS



PLAN



SECTION (A/–)

PUMP STATION WET WELL CONNECTION (4/1)

NTS

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CHECKED BY: RMK
SCALE: NTS

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IMPROVEMENT PROJECT (CI–94–05)

DETAIL SHEET

PROJECT NO. KW 95256

SHEET NO. 7 OF 7

CO6.DWG

KATO & WARREN 95256