S.E. 1/4, SEC. 27, T. 21 N., R. 4 E., W.M.

STREET WIDENING 4.03

- WHEN AN EXISTING ASPHALT PAVED STREET IS TO BE WIDENED, THE EDGE OF THE DRIVING LANE SHALL BE SAW CUT TO PROVIDE A CLEAN, VERTICAL EDGE FOR JOINING TO THE NEW ASPHALT. THE EXISTING ASPHALT MAY REQUIRE GRINDING AND/OR REMOVAL AS DIRECTED BY THE INSPECTOR, DEPENDING ON THE CONDITION OF THE SURFACE AND AS NEEDED TO CONTROL SURFACE WATER FLOW. AFTER PLACEMENT OF THE NEW ASPHALT SECTION, THE JOINT SHALL BE SEALED AND THE STREET OVERLAID WITH A MINIMUM OF 1.5-INCH HMA, CLASS 1/2", PLUS A PRE-LEVEL COURSE FULL WIDTH THROUGHOUT THE WIDENED AREA. ALL FAILURES AND CRACKING ON ROAD SURFACES MUST BE REPAIRED PRIOR TO THE OVERLAY, SEE SECTION 4.06. THE LIMITS OF THE OVERLAY WILL BE BASED ON THE CONDITION OF EXISTING PAVEMENT AND THE EXTENT OF REQUIRED CHANGES TO THE SURFACING AND CHANNELIZATION. WHEN THE COUNTY ROAD ENGINEER OR DEVELOPMENT ENGINEER DETERMINES THAT POTENTIAL IMPACTS FROM A DEVELOPMENT WARRANT SUBGRADE REPAIRS PRIOR TO THE OVERLAY, THE APPLICANT MUST PROVIDE A GEOTECHNICAL REPORT THAT INCLUDES RECOMMENDATIONS FOR REPAIRING THE SUBGRADE. THE EXCEPTION TO THIS
- REQUIREMENT MUST BE THROUGH THE ROAD VARIANCE PROCESS CAPACITY AND DETERMINE ANY NEED FOR IMPROVEMENT. DESIGNS BASED ON THESE EVALUATIONS ARE SUBJECT TO REVIEW AND APPROVAL BY THE COUNTY ROAD ENGINEER OR DEVELOPMENT ENGINEER. THE RESPONSIBILITY FOR ANY SHOULDER MATERIAL THICKNESS IMPROVEMENT SHALL BE CONSIDERED PART OF THE REQUIREMENT FOR ROADWAY WIDENING. THE SHOULDER SHALL BE
- REPLACED IN WIDTH AS SPECIFIED IN SECTIONS 2.02. 3. ANY WIDENING OF AN EXISTING ROADWAY, EITHER TO ADD TRAVELED WAY, OR PAVED SHOULDER.
- 4. ANY WIDENING OR CHANNELIZATION WILL REQUIRE A FULL-WIDTH OVERLAY, SEE PARAGRAPH ONE OF THIS SECTION.

SHALL HAVE THE SAME SURFACING MATERIAL AS THE EXISTING ROADWAY.

CROSS SECTION S. 360th ST. WITHIN FRONTAGE OF THE SITE (STA. 211+00 TO STA. 215+65) (URBAN COLLECTOR ARTERIAL)

15'±

→ VARIES 2'±

-4" MiN. HMA CLASS 1/2" PER KCRDCS 4.05.

lacksquare 6.5" MIN. CRUSHED SURFACINGPER KCRDCS 4.05.

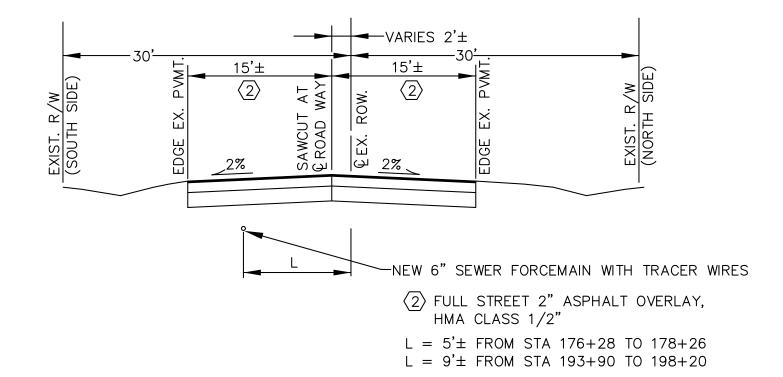
-ADDITIONAL GRAVEL MAY BE REQUIRED DEPENDING ON SOIL CONDITIONS

(1) REMOVE EX. PAVEMENT AND REPLACE

6.5" MIN. CRUSHED SURFACE.

SUBBASE W/ 4" MIN. HMA CLASS 1/2" ON

HORIZONTAL: 1" =10 VERTICAL: NTS



A S.T.

DEDICATION (L) CC

14.5

THICK AT DRIVEWAY

4" MIN. CRUSHED -

SURFACE BASE COURSE,

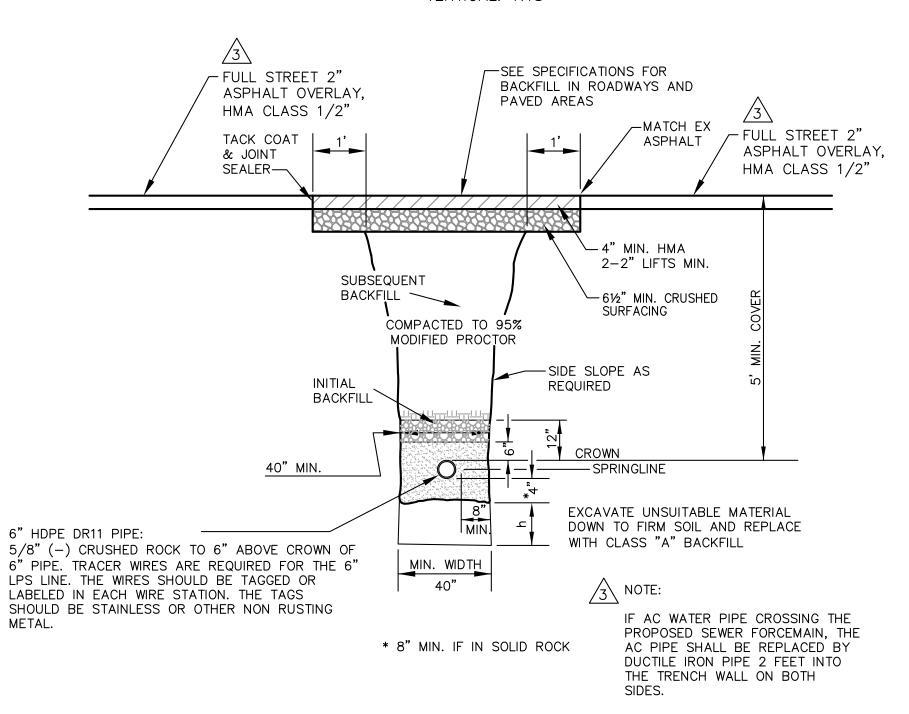
VERTICAL CONC.-

CURB & GUTTER

CROSS SECTION S. 360th ST. OUTSIDE FRONTAGE OF THE SITE (STA. 176+00 TO 178+50 AND 193+00 TO 198+50)

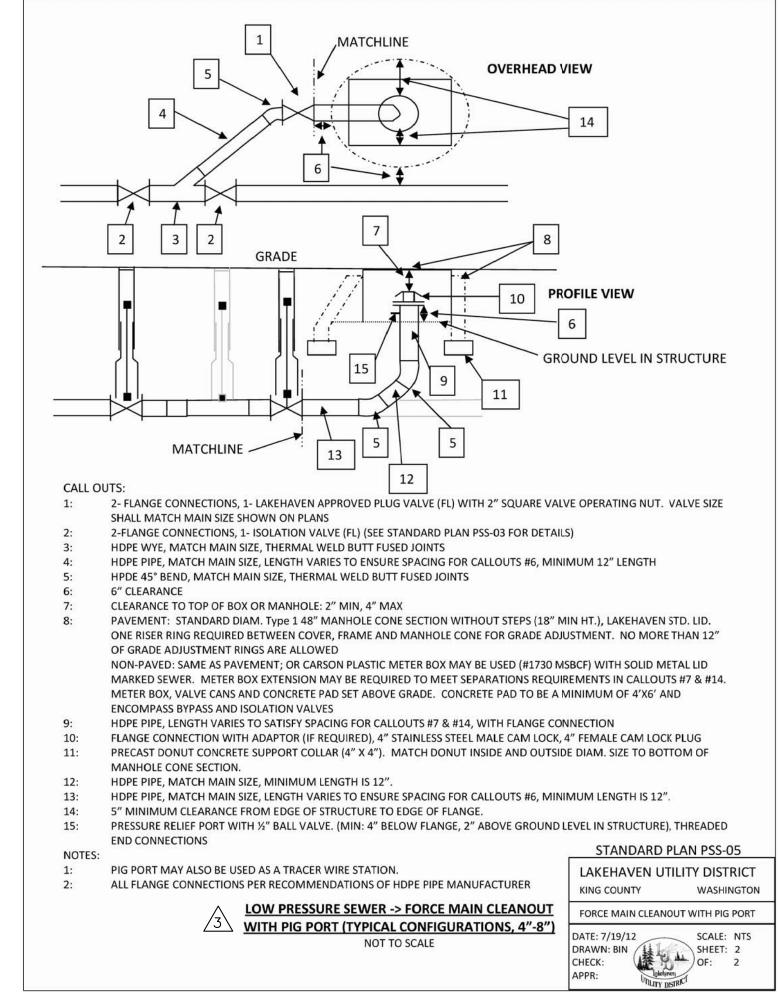
(URBAN COLLECTOR ARTERIAL)

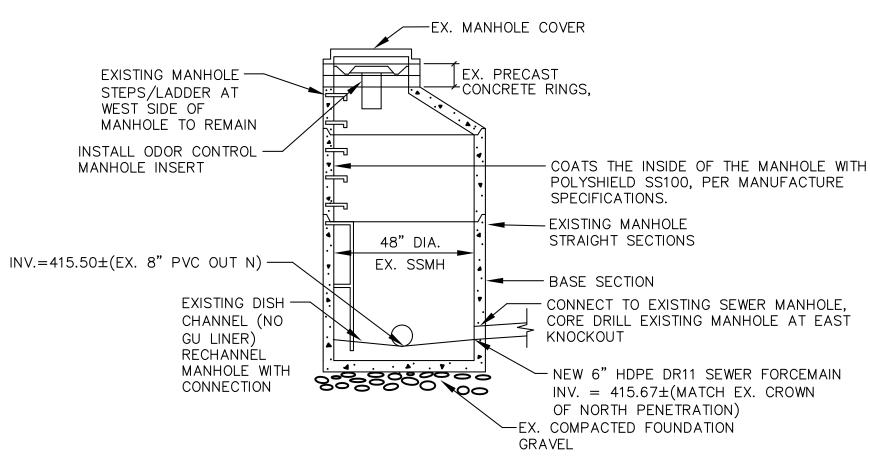
HORIZONTAL: 1" = 10'VERTICAL: NTS



TRENCH CROSS SECTION FOR SEWER FORCEMAINS

NOT TO SCALE





CONNECT TO EXISTING SANITARY SEWER MANHOLESSMH #3, SHEET C5.20. LAKELAND ELEMENTARY SCHOOL. LUD PROJECT NUMBER 6309007. RECORD DRAWING S1725

NOT TO SCALE

DIMENSIONS MEASURED ALONG -6" CEMENT CONCRETE BACK EDGE OF SIDEWALK FOR RADIUS --3/8" EXPANSION JOINT, TYP. TOP WIDTH OF CURBS RAMP TEXTURE (2) VARIES WITH TYPE OF CURB (SEE FIG. 3-002)--3/8" EXPANSION JOINT

APPROVED FOR CONSTRUCTION SUBJECT TO CHANGES NOTED

O Water Plan

The District's review is not a check of any dimension or quantities and will not relieve the Developer from responsibility for errors of any sort. No changes shall be made in the plans except by the consent of the District.

LAKEHAVEN UTILITY DISTRICT

θ Sewer Plan

General Manager/District Engineer

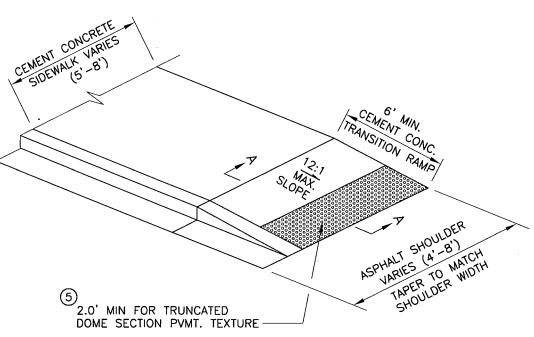
date, if construction has not commenced.

This construction plan will expire one year from plan approval

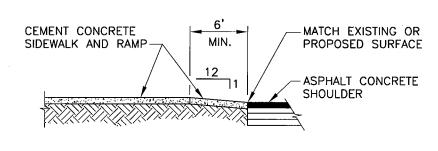
- 1. PLACEMENT OF GRATINGS, ACCESS COVERS AND OTHER APPURTENANCES SHALL NOT BE LOCATED ON CURB RAMPS, LANDINGS AND GUTTERS WITHIN THE PEDESTRIAN ACCESS ROUTE
- (2) RAMPS SHALL BE TEXTURED USING TRUNCATED DOME PATTERN (SEE FIGURE 3-011). DETECTABLE WARNING PATTERN SHALL BE YELLOW IN COMPLIANCE WITH WSDOT STANDARD SPECIFICATION 8-14.3(3)
- RAMP CENTER LINE SHALL BE PERPENDICULAR TO OR RADIAL TO CURB RETURNS UNLESS OTHERWISE APPROVED BY THE COUNTY ROAD ENGINEER.
- 4. RAMPS SHALL BE CONSTRUCTED AT CORRESPONDING SIDEWALK LOCATIONS ON OPPOSITE SIDE OF STREETS WHEN RAMPS ARE CONSTRUCTED ON ONE SIDE OF STREET. SEE FIG. 3-010.
- 5. THIS DETAIL APPLIES TO BOTH ROLLED AND VERTICAL CURB ROADWAYS.

6. SEE FIGURE 3-001 FOR CURB AND SIDEWALK JOINT PLACEMENT.

CURB RAMP TYPE 2A NOT TO SCALE



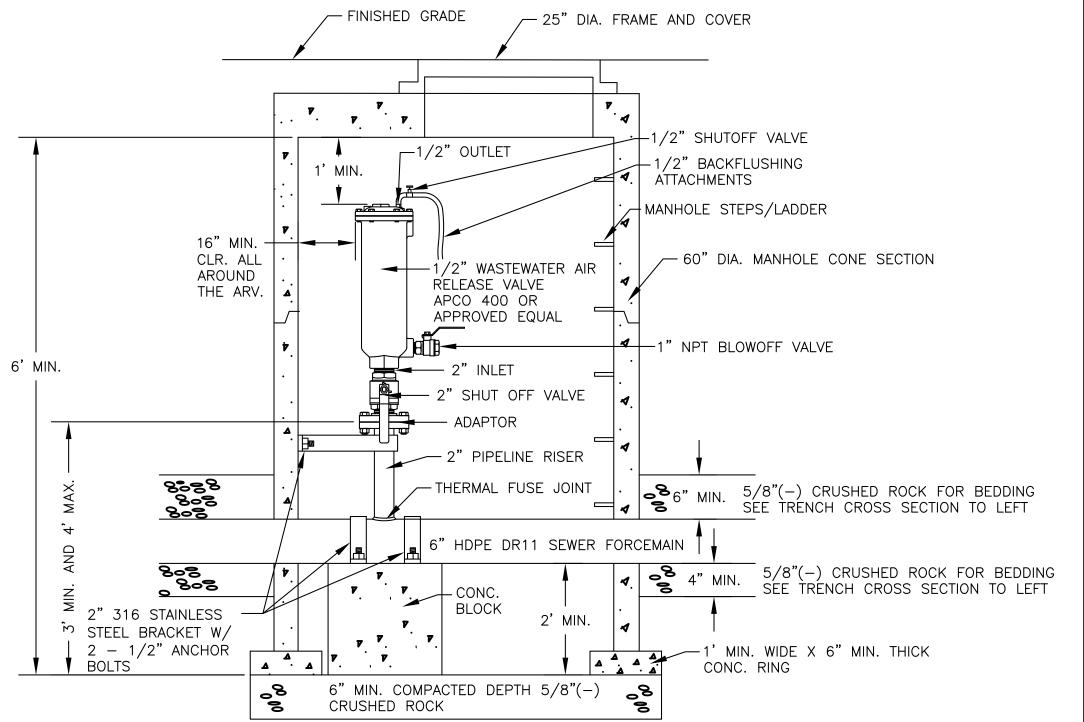
CEMENT CONCRETE SIDEWALK TRANSITION TO ASPHALT SHOULDER NOT TO SCALE



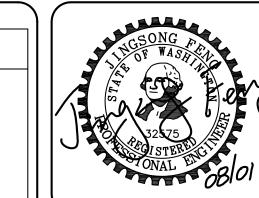
SECTION A-A

1. SEE SEC. 3.02 FOR SIDEWALK WIDTHS.

- 2. SEE SECS. 2.02 AND 2.03 FOR PAVEMENT AND SHOULDER WIDTHS.
- 3. SHOULDER SHALL BE SURFACED AS REQUIRED BY SECS. 3.07 AND 4.01. PAVED SHOULDER SLOPE SHALL MATCH CROWN SLOPE OR 0.02 FT./FT.
- 4. SEE FIG. 3-001 FOR CURB AND SIDEWALK JOINTS.
- (5) RAMP SHALL BE TEXTURED USING TRUNCATED DOME PATTERN. (SEE FIG. 3-011.) DETECTABLE WEARING PATTERN SHALL BE YELLOW IN COMPLIANCE WITH WSDOT STANDARD SPECIFICATIONS 8-14.3(3)
- 6. THIS DETAIL APPLIES TO ROLLED AND VERTICAL CURB ROADWAYS.



3\ 1/2" WASTEWATER AIR RELEASE VALVE NOT TO SCALE



AVEN NIW

PROJECT NO.: **10021** DRAWN BY: **JF**

ISSUE DATE: 8-31-2011 SHEET REV.: **08-01-2012**

SANITARY SEWER **DETAILS AND S** 360TH STREET **CROSS SECTIONS**

05052DT02.DWG