

Farris Short Plat

Section 29, Township 20 N, Range 4 E, Willamette Meridian, Pierce County, Washington

GENERAL NOTES

1. All work in City right-of-way requires a permit from the City of Puyallup. Prior to any work commencing, the general contractor shall arrange for a preconstruction meeting at the Development Services Center to be attended by all contractors that will perform work shown on the approved engineering plans, representatives from all applicable utility companies, the project owner and appropriate city staff. Contact Engineering Services at (253) 841-5568 to schedule the meeting. The contractor is responsible to have their own set of approved plans at the meeting.
2. After completion of all items shown on these plans and before acceptance of the project the contractor shall obtain a "punch list" prepared by the City's inspector detailing remaining items of work to be completed. All items of work shown on these plans shall be completed to the satisfaction of the City prior to acceptance of the water system and provision of sanitary sewer service.
3. All materials and workmanship shall conform to the Standard Specifications for Road, Bridge, and Municipal Construction (hereinafter referred to as the "Standard Specifications"), Washington State Department of Transportation and American Public Works Association, Washington State Chapter, latest edition, unless superseded or amended by the City of Puyallup City Standards for Public Works Engineering and Construction (hereinafter referred to as the "City Standards").
4. A copy of these approved plans and applicable city developer specifications and details shall be on site during construction.
5. Any revisions made to these plans must be reviewed and approved by the developer's engineer and the City prior to any implementation in the field. The City shall not be responsible for any errors and/or omissions on these plans.
6. The contractor shall have all utilities verified on the ground prior to any construction. Call (811) at least two working days in advance. The owner and his/her engineer shall be contacted immediately if a conflict exists.
7. Any structure and/or obstruction that requires removal or relocation relating to this project shall be done so at the developer's expense.
8. Locations of existing utilities are approximate. It shall be the contractor's responsibility to determine the true elevations and locations of hidden utilities. All visible items shall be the engineer's responsibility.
9. The contractor shall install, replace, or relocate all signs, as shown on the plans or as affected by construction, per City Standards.
10. Power, street light, cable, and telephone lines shall be in a trench located within a 10-foot utility easement adjacent to public right-of-way. Right-of-way crossings shall have a minimum horizontal separation from other utilities (sewer, water, and storm) of 5 feet.
11. All construction surveying for extensions of public facilities shall be done under the direction of a Washington State licensed land surveyor or a Washington State licensed professional civil engineer.
12. During construction, all public streets adjacent to this project shall be kept clean of all material deposits resulting from on-site construction, and existing structures shall be protected as directed by the City.
13. Certified record drawings are required prior to project acceptance.
14. A NPDES Stormwater General Permit may be required by the Department of Ecology for this project. For information contact the Department of Ecology, Southwest Region Office at (360)407-6300.
15. Any disturbance or damage to Critical Areas and associated buffers, or significant trees designated for preservation and protection shall be mitigated in accordance with a Mitigation Plan reviewed and approved by the City's Planning Division. Preparation and implementation of the Mitigation Plan shall be at the developer's expense.

ROADWAY PLAN NOTES:

1. All work in City right-of-way requires a permit from the City of Puyallup. Prior to any work commencing, the general contractor shall arrange for a preconstruction meeting at the Development Services Center to be attended by all contractors that will perform work shown on the engineering plans, representatives from all applicable Utility Companies, the project owner and appropriate City staff. Contact Engineering Services to schedule the meeting (253) 841-5568. The contractor is responsible to have their own approved set of plans at the meeting.
2. After completion of all items shown on these plans and before acceptance of the project, the contractor shall obtain a "punch list" prepared by the City's inspector detailing remaining items of work to be completed. All items of work shown on these plans shall be completed to the satisfaction of the City prior to acceptance of the water system and provision of sanitary sewer service.
3. All materials and workmanship shall conform to the Standard Specifications for Road, Bridge, and Municipal Construction (hereinafter referred to as the "Standard Specifications"), Washington State Department of Transportation and American Public Works Association, Washington State Chapter, latest edition, unless superseded or amended by the City of Puyallup City Standards for Public Works Engineering and Construction (hereinafter referred to as the "City Standards").
4. A copy of these approved plans and applicable city developer specifications and details shall be on site during construction.
5. Any revisions made to these plans must be reviewed and approved by the developer's engineer and the Engineering Services Staff prior to any implementation in the field. The City shall not be responsible for any errors and/or omissions on these plans.
6. The contractor shall have all utilities verified on the ground prior to any construction. Call (811) at least two working days in advance. The owner and his/her engineer shall be contacted immediately if a conflict exists.
7. Any structure and/or obstruction which requires removal or relocation relating to this project, shall be done so at the developer's expense.
8. Monuments shall be installed at all street intersections, at angle points, and points of curvature in each street. All boundary monuments must be installed according to the Washington State subdivision laws.
9. Curb and gutter installation shall conform to City Standards.
10. Sidewalks and driveways shall be installed as lots are built on. Sidewalks and driveways shall conform to City Standard Details. If asphalt is damaged during replacement of curb and gutter, the repair shall conform to City Standards.
11. The surrounding ground (5 feet beyond the base) for all power transformers, telephones/TV pedestals, and street light main disconnects shall be graded to a positive 2 percent slope from top of curb.
12. Signage and traffic control devices are safety items and shall be installed prior to issuance of any certificate of occupancy or plat approval. However, in larger developments, exact locations of stop and yield signs may need to be determined after full buildout when traffic patterns have been established. In this case, contractor shall provide indicated "city-placed" signs, signposts, and brackets to the city's sign specialist (253) 841-5471 for later installation by the City. All signage shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD).
13. Prior to any sign or striping installation or removal the Contractor shall contact the city's sign specialist (253) 841-5471 to arrange for an on-site meeting to discuss placement and uniformity.
14. New or revised stop signs or yield signs shall be advance warned using the procedure outlined in the MUTCD. Advance warning signs and flags shall be maintained by installer for 30 days and then removed.

STORMWATER NOTES:

1. All work in City right-of-way requires a permit from the City of Puyallup. Prior to any work commencing, the general contractor shall arrange for a preconstruction meeting at the Development Services Center to be attended by all contractors that will perform work shown on the engineering plans, representatives from all applicable Utility Companies, the project owner and appropriate City staff. Contact Engineering Services to schedule the meeting (253) 841-5568. The contractor is responsible to have their own approved set of plans at the meeting.
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5. Any revisions made to these plans must be reviewed and approved by the developer's engineer and the Engineering Services Staff prior to any implementation in the field. The City shall not be responsible for any errors and/or omissions on these plans.
6. The contractor shall have all utilities verified on the ground prior to any construction. Call (811) at least two working days in advance. The owner and his/her engineer shall be contacted immediately if a conflict exists.
7. Any structure and/or obstruction which requires removal or relocation relating to this project, shall be done so at the developer's expense.
8. During construction, all existing and newly installed drainage structures shall be protected from sediments.
9. All storm manholes shall conform to City Standard Detail No. 02.01.01. Flow control manhole/oil water separator shall conform to City Standard Detail No. 02.01.06 and 02.01.07.
10. Manhole ring and cover shall conform to City Standard Detail 06.01.02 and 06.01.03. The cover shall be marked with "storm" or "drain" in 2-inch raised letters. Minimum weight of the frame shall be 210 pounds. Minimum weight of the cover shall be 150 pounds.
11. Catch basins Type I shall conform to City Standard Detail No.02.01.02 and 02.01.03 and shall be used only for depths less than 5 feet from top of the grate to the invert of the storm pipe.
12. Catch basins Type II shall conform to City Standard Detail No.02.01.04 and shall be used for depths greater than 5 feet from top of the grate to the invert of the storm pipe.
13. Cast iron or ductile iron frame and grate shall conform to City Standard Detail No.02.01.05. 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). Vaned grates shall conform to WSDOT Standard Plan B-2a (Olympic Foundry No. SM60V or equal).
14. Stormwater pipe shall be only PVC, concrete or ductile iron pipe.
 - a. The use of any other type shall be reviewed and approved by the Engineering Services Staff prior to installation.
 - b. PVC pipe shall be per ASTM D3034, SDR 35 for pipe size 18-inch and smaller and F679 for pipe sizes 18 to 27 inch. Minimum cover on PVC pipe shall be 3.0 feet.
 - c. Concrete pipe shall conform to the WSDOT Standard Specifications for concrete underdrain pipe. Minimum cover on concrete pipe shall not less than 3.0 feet.
 - d. Ductile iron pipe shall be Class 50, conforming to AWWA C151. Minimum cover on ductile iron pipe shall be 1.0 foot.
15. Trenching, bedding, and backfill for pipe shall conform to City Standard Detail No. 06.01.01.
16. Storm pipe shall be a minimum of 10 feet away from building foundations and/or roof lines.
17. All storm drain mains shall be video inspected by the City of Puyallup Collections Division prior to final acceptance by the City.
18. 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.
19. All storm drain mains shall be mandrelled.
20. All temporary sedimentation and erosion control measures, and protective measures for critical areas and significant trees shall be installed prior to initiating any construction activities.

Post-Construction Soil Quality

All disturbed areas not covered by impervious surfaces or raingardens shall be restored with topsoil to a minimum depth of 8 inches by one of the following methods:

1. Leave undisturbed native vegetation and soil, and protect from compaction during construction
 2. Amend existing site topsoil or subsoil either at default "preapproved" rates, or at custom calculated rates based on specifiers tests of the soil and amendment
 3. Stockpile existing topsoil during grading, and replace it prior to planting. Stockpiled topsoil must also be amended if needed to meet the organic matter or depth requirements, either at a default "pre-approved" rate or at a custom calculated rate.
 4. Import topsoil mix of sufficient organic content and depth to meet the requirements.
- More than one method may be used on different portions of the same site. Soil that already meets the depth and organic matter quality standards, and is not compacted, does not need to be amended.
- Topsoil standards:
1. A topsoil layer with a minimum organic matter content of ten percent dry weight in planting beds, and 5% organic matter content in turf areas, and a pH from 6.0 to 8.0 or matching the pH of the original undisturbed soil. The topsoil layer shall have a minimum depth of eight inches except where tree roots limit the depth of incorporation of amendments needed to meet the criteria. Subsoils below the topsoil layer should be scarified at least 4 inches with some incorporation of the upper material to avoid stratified layers, where feasible.
 2. Planting beds must be mulched with 2 inches of organic material
 3. Quality of compost and other materials used to meet the organic content requirements:
 - a. The organic content for "pre-approved" amendment rates can be met only using compost that meets the definition of "composted materials" in WAC 173-350-220. This code is available online at: <http://www.ecy.wa.gov/programs/swfa/facilities/350.html>The compost must also have an organic matter content of 35% to 65%, and a carbon to nitrogen ratio below 25:1. The carbon to nitrogen ratio may be as high as 35:1 for plantings composed entirely of plants native to the Puget Sound Lowlands region.
 - b. Calculated amendment rates may be met through use of composted materials as defined above; or other organic materials amended to meet the carbon to nitrogen ratio requirements, and meeting the contaminant standards of Grade A Compost.

PROJECT DESCRIPTION

FRONTAGE IMPROVEMENTS TO W STEWART: PAVEMENT WIDENING, CURB & GUTTER, SIDEWALK, AND STORM CONVEYANCE.

ADDRESS

2401 W STEWART

PARCEL NO

042020-7-028 & -7-029

ZONING

RS-06 - Medium Urban Density Single Family Residential

ENGINEER/SURVEYOR

AZURE GREEN CONSULTANTS
409 EAST PIONEER
PUYALLUP, WA 98372
PHONE: 253.770.3144

OWNER:

Richard & Kathy Farris
2401 W Stewart
Puyallup, WA 98371
Phone 253.255.3413

DEVELOPER

Richard & Kathy Farris
2401 W Stewart
Puyallup, WA 98371
Phone 253.255.3413

DATUM

NAVD88

BENCHMARK

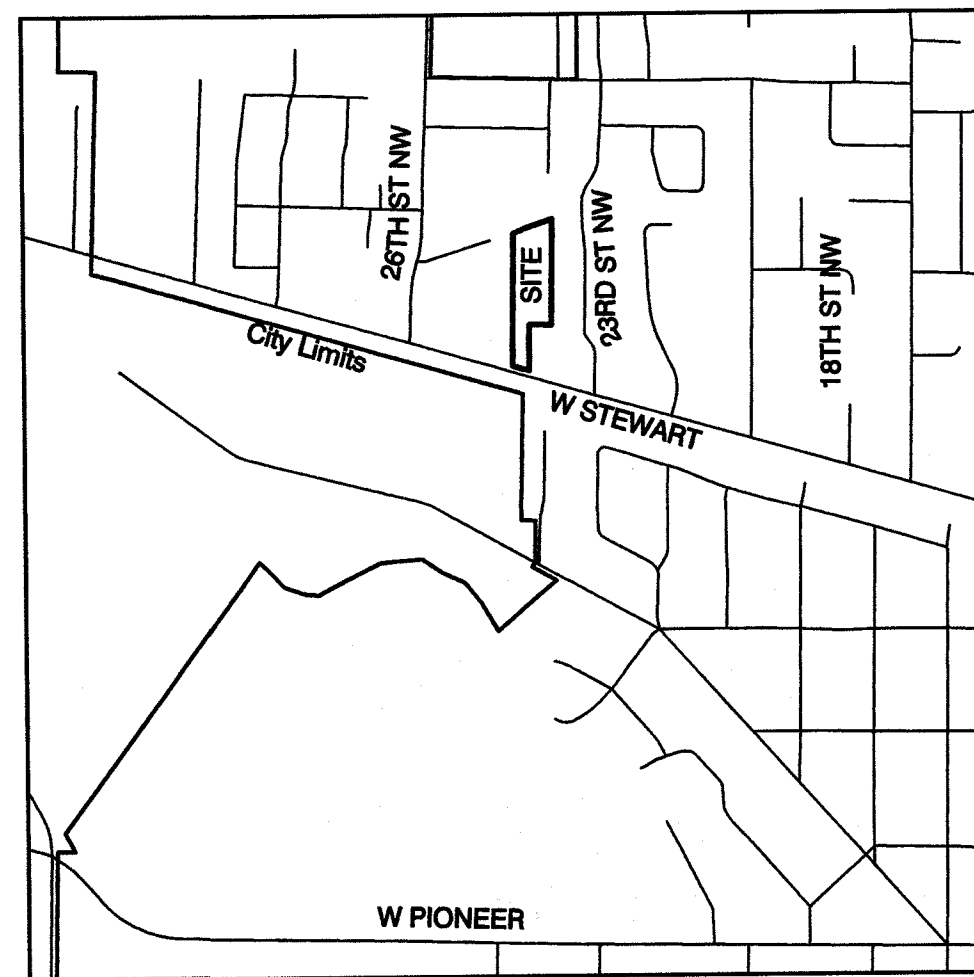
NW-STE-23 BM PUBLISHED 31.09 NGVD29
CONVERTED TO NAVD88 +3.48 PER VERTCON
CONVERTED ELEVATION 34.58

TOPOGRAPHIC INFORMATION

FRONTAGE TOPOGRAPHICAL DATA ARE PER FIELD SURVEYS PERFORMED BY AZURE GREEN CONSULTANTS BETWEEN JANUARY AND APRIL 2016.
INTERIOR ONSITE TOPOGRAPHY PER LIDAR DATA OBTAINED FROM PUGET SOUND LIDAR CONSORTIUM. CONTOURS ARE CALCULATED PER SPOT ELEVATIONS AND ARE NOT REPRESENTED TO BE ACCURATE TO MORE THAN ONE-HALF CONTOUR INTERVAL.

SHEET INDEX

- S1 Cover Sheet
- S2 ESC Notes & Details
- S3 ESC Plan & Demolition Plan
- S4 W Stewart Improvements
- S5 Channelization Plan
- S6 Details
- S7 Details
- S8 Details
- S9 Details



VICINITY MAP
SCALE: 1"=1000'
SITE ADDRESS: 2401 W STEWART

APPROVED	
BY:	CITY OF PUYALLUP ENGINEERING SERVICES
DATE:	3/16/2017
NOTE:	THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.



REVISION	DATE
1. REVISION	12/17/16
2. REVISION	1/11/17
3. REVISION	
4. REVISION	
5. REVISION	
6. REVISION	
7. REVISION	
8. REVISION	
9. REVISION	
10. REVISION	

JOB NO:	2549
DATE:	2/24/16
DRAWN BY:	Rob Tschille
CHECKED BY:	Jim Job
APPROVED BY:	Paul Green



Cover Sheet
Farris Short Plat
Stewart Ave. Improvements
RECEIVED
JAN 17 2017
CITY OF PUYALLUP
Richard & Kathy Farris
2401 W Stewart
Puyallup, WA 98371
Phone 253.255.3413 Fax

DRAWING

S1

SHEET
OF 9

GRADING, EROSION & SEDIMENTATION CONTROL NOTES:

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5588. THE CONTRACTOR IS RESPONSIBLE TO HAVE HIS SET OF PLANS AT THE MEETING.

2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.

3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS) WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION. (HEREIN REFERRED TO AS THE "CITY STANDARDS").

4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.

5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPERS ENGINEER AND THE CITY ENGINEER PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.

6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS

7. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.

8. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO AN LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY. UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITEE.

9. THE EROSION AND SEDIMENTATION CONTROL SYSTEM DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES AND/OR STORM DRAINAGE SYSTEMS.

10. APPROVAL OF THE EROSION CONTROL PLANS IS FOR GRADING, TEMPORARY DRAINAGE, EROSION AND SEDIMENTATION CONTROL ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STORM DRAINAGE DESIGN, SIZE OR LOCATION OF PIPES, RESTRICTORS, CHANNELS, OR RETENTION FACILITIES.

11. ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING, OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITEE, BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.

12. IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT WILL FURTHER AGGRAVATE THE SITUATION, MUST CEASE AND THE OWNER/CONTRACTOR WILL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS SATISFIED.

13. NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED FOR RETENTION.

CONSTRUCTION SEQUENCE

1. OBTAIN REQUIRED PERMITS AND HOLD A PRECONSTRUCTION MEETING WITH THE CITY.
2. ESTABLISH CLEARING AND GRADING LIMITS.
3. INSTALL SILT FENCE
4. SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY.
5. IDENTIFY EROSION CONTROL MEASURES WHICH REQUIRE REGULAR MAINTENANCE. ENSURE EROSION CONTROL MEASURES IN PLACE ARE ADEQUATE. INSTALL ADDITIONAL MEASURES IF NECESSARY TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING SITE.
6. SAWCUT AND GRIND/REMOVE EXISTING PAVING.
7. CLEAR AND GRADE TO SUBGRADE AS SHOWN ON THESE PLANS.
8. INSTALL STORM DRAIN. INSTALL CB INLET PROTECTION.
9. INSTALL NEW WATER SERVICE.
10. VEGETATE EXPOSED AREAS AND STABILIZE STOCKPILES AS SOON AS PRACTICAL AND AS NEEDED TO PREVENT EROSION.
11. INSTALL BASE MATERIAL.
12. INSTALL CURB & GUTTER
13. INSTALL CRUSHED SURFACING TOP COURSE.
14. INSTALL ASPHALT PAVING.
15. INSTALL CONCRETE SIDEWALK & DRIVEWAYS.
16. HYDROSEED ANY EXPOSED SURFACES TO PROVIDE PERMANENT EROSION CONTROL.
17. REMOVE TEMPORARY EROSION CONTROL MEASURES WHEN SITE IS STABLE.

EARTH WORK QUANTITIES

EXCAVATION (CUT) : 13 CY
EMBANKMENT (FILL) : 60 CY
NEW IMPERVIOUS:
PAVING : 1148 SF
CURB AND GUTTER: 114 SF
DRIVEWAY: 0 SF
SIDEWALK: 290 SF

REPLACED IMPERVIOUS:
PAVING OVERLAY: 1,296 SF
PAVING: 1,161 SF
CURB AND GUTTER: 66 SF
DRIVEWAY: 460 SF
SIDEWALK: 124 SF

TOTAL NEW IMPERVIOUS: 1,552 SF
TOTAL REPLACED IMPERVIOUS: 3,106 SF
TOTAL NEW PLUS REPLACED IMPERV: 4,658 SF
CLEARING AREA: 6,111 SF = 0.14 AC
GRADING AREA: 4,771 SF = 0.11 AC

MAX. CUT: 3 FOOT
MAX. FILL: 3 FOOT

THESE QUANTITIES ARE FOR THE ESTABLISHMENT OF CLEARING AND GRADING PERMIT ONLY AND SHALL NOT BE CONSTRUED TO INDICATE A BALANCED SITE.

GRADING VOLUMES ARE FROM EXISTING GRADE TO FINISHED GRADE AND MAKE NO ALLOWANCE FOR STRIPPINGS, GRAVEL, OR ROAD SECTION MATERIALS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING HIS OWN QUANTITIES FOR BIDDING PURPOSES AND SHALL NOT HOLD THE ENGINEER OR OWNER/DEVELOPER RESPONSIBLE FOR ANY ERRORS IN HIS BID QUANTITIES FOR EXCAVATION.

TEMPORARY ESC MEASURES REQUIRED

1. Temporary Siltation Fencing.
2. Vegetation and Stabilization of exposed surfaces
3. Catch Basin Inlet Protection
4. Additional measures may be required, see note 9 of Grading, Erosion & Sedimentation Control notes.

PERMANENT ESC MEASURES REQUIRED

1. Seeding and/or Landscaping of non-impervious surfaces

SPECIAL NOTES:

1. Contractor shall designate an erosion and sediment control leadperson, and shall comply with the stormwater pollution prevention plan prepared for the project.
2. Sediment-laden runoff shall not be allowed to discharge beyond the construction limits.
3. From October 1 through April 30, no soils shall remain exposed and unworked for more than 2 days. From May 1 to September 30, no soils shall remain exposed and unworked for more than 7 days. This condition applies to all soils on site, whether at final grade or not.

MULCHING NOTES

1. Mulch materials used shall be hay or straw and shall be applied at a rate of 75-100 pounds per 1000 square feet, or 90-120 bales per acre to a min. depth of 2 inches.
2. Mulches shall be applied in all areas with exposed slopes greater than 2:1.
3. Mulching shall be used immediately after seeding or in areas which cannot be seeded because of the season.
4. All areas needed mulch shall be covered by November 1.

SEEDING NOTES (Erosion control seeding):

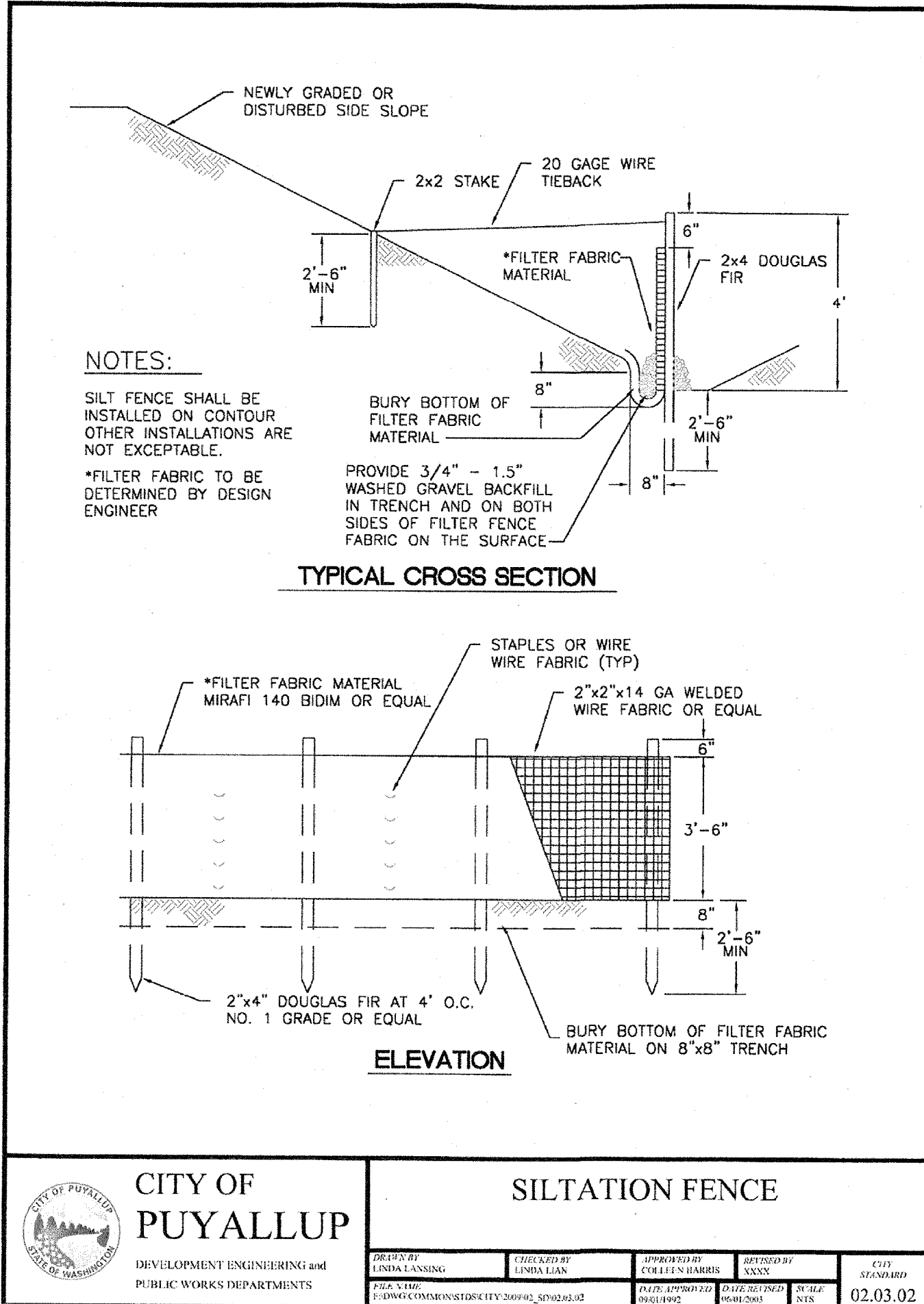
1. Seed mixture shall be 10% Redtop (82% purity, 90% germination); 40% Annual Ryegrass (96% purity, 90% germination); 40% Chewings Fescue (97% purity, 80% germination); and 10% White Dutch clover (96% purity, 90% germination) and shall be applied at the rate of 120 pounds per acre.
2. Seed beds planted between May 1 and October 31 will require irrigation and other maintenance as necessary to foster and protect the root structure.
3. For seed beds planted between October 31 and April 30, armoring of the seed bed will be necessary. (e.g., geotextiles, jute mat, clear plastic covering).
4. Before seeding, install needed surface runoff control measures such as gradient terraces, interceptor dikes, swales, level spreaders and sediment basins.
5. The seedbed shall be firm with a fairly fine surface, following surface roughening. Perform all operation across or at right angles to the slope.
6. Fertilizers are to be used according to suppliers recommendations. Amounts used should be minimized, especially adjacent to water bodies and wetlands.
7. Erosion control seeding shall not be used in areas subject to wear by construction traffic.
8. Erosion control seeding may be used in all areas of 5% or less slope. In areas between 5 and 10% slope, erosion control seeding may be used for a maximum horizontal distance of 100 feet. Use mulch or netting or other treatments for steeper and longer slopes.

SOIL STOCKPILE NOTES:

1. Stockpiles shall be stabilized (with plastic covering or other approved device) daily between November 1 and March 31.
2. In any season, sediment leaching from stock piles must be prevented.
3. Topsoil shall not be placed while in a frozen or muddy condition, when the subgrade is excessively wet, or when conditions exist that may otherwise be detrimental to proper grading or proposed sodding or seeding.
4. Previously established grades on the areas to be topsoiled shall be maintained according to the approved plan.
5. Stockpiles must be located more than 50 feet from all drainage features.

Farris Short Plat

Section 29, Township 20 N, Range 4 E, Willamette Meridian, Pierce County, Washington



CITY OF
PUYALLUP

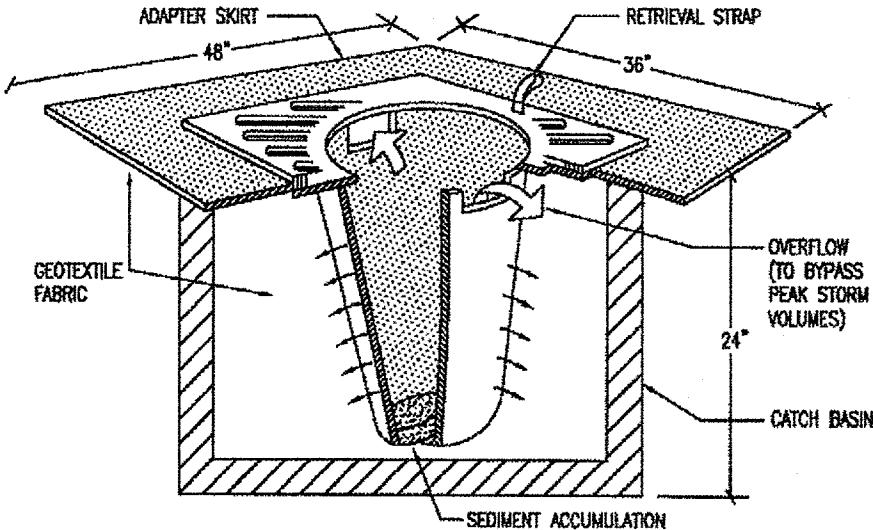
DEVELOPMENT ENGINEERING and
PUBLIC WORKS DEPARTMENTS

SILTATION FENCE

DESIGNED BY CITY ENGINEER	DESIGNED BY CITY ENGINEER	DESIGNED BY CITY ENGINEER	DESIGNED BY CITY ENGINEER	DESIGNED BY CITY ENGINEER	DESIGNED BY CITY ENGINEER
02.03.02	02.03.02	02.03.02	02.03.02	02.03.02	02.03.02

PLASTIC COVERING NOTES:

1. Plastic sheeting shall have a minimum thickness of 6 mils and shall meet the requirements of the STATE STANDARD SPECIFICATIONS Section 9-14.5.
2. Covering shall be installed and maintained tightly in place by using sandbags or tires on ropes with a maximum 10-foot grid spacing in all directions. All seams shall be taped or weighted down full length and there shall be a least a 12 inch overlap of all seams.
3. Clear plastic covering shall be installed immediately on areas seeded between November 1 and March 31 and remain until vegetation is firmly established.
4. When the covering is used on un-seeded slopes, it shall be kept in place until the next seeding period.
5. Plastic covering sheets shall be buried two feet at the top of slopes in order to prevent surface water flow beneath sheets.
6. Proper maintenance includes regular checks for rips and dislodged ends.



INLET PROTECTION NOTES:

1. FILTERS SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED OR REPLACED WHEN 1/3 FULL.

BAG FILTER

NOT TO SCALE

APPROVED
BY: [Signature]
CITY OF PUYALLUP
ENGINEERING SERVICES
DATE: 2/16/2017
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

TESC Notes & Details

Farris Short Plat
W. Stewart Ave. Improvements

Richard & Kathy Farris
2401 W Stewart
Puyallup, WA, 98371
Phone 253.255.3413 Fax

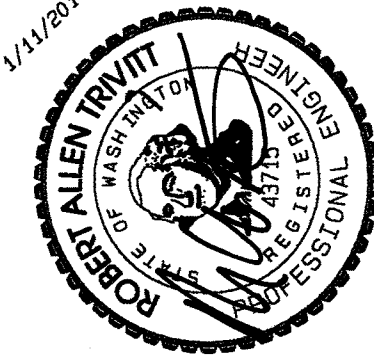


*feasibility *planning *engineering *surveying
409 East Pioneer, Suite A - Puyallup, WA 98372 phone: 253.770.3144 fax: 253.770.3142

DESIGNED BY: JIM ANDERSON
CHECKED BY: JIM ANDERSON
APPROVED BY: PAUL GREEN
DATE: MAY 18, 2016
DESIGNED BY: JIM ANDERSON
CHECKED BY: JIM ANDERSON
APPROVED BY: PAUL GREEN
DATE: MAY 18, 2016

REVISION
1. Revised per 1st City Review.
2. Revised per 2nd City Review.
3.
4.
5.
6.
7.
8.
9.
10.

1/11/2017

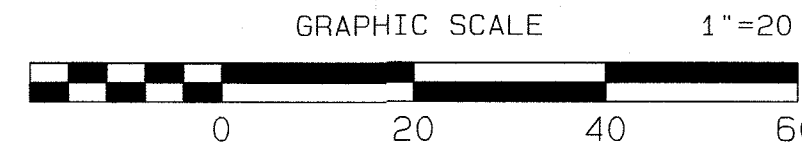
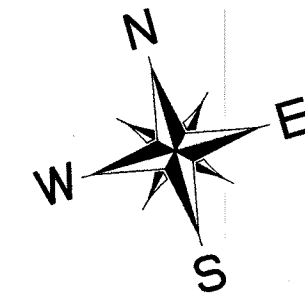


DRAWING

S2

SHEET
OF 2

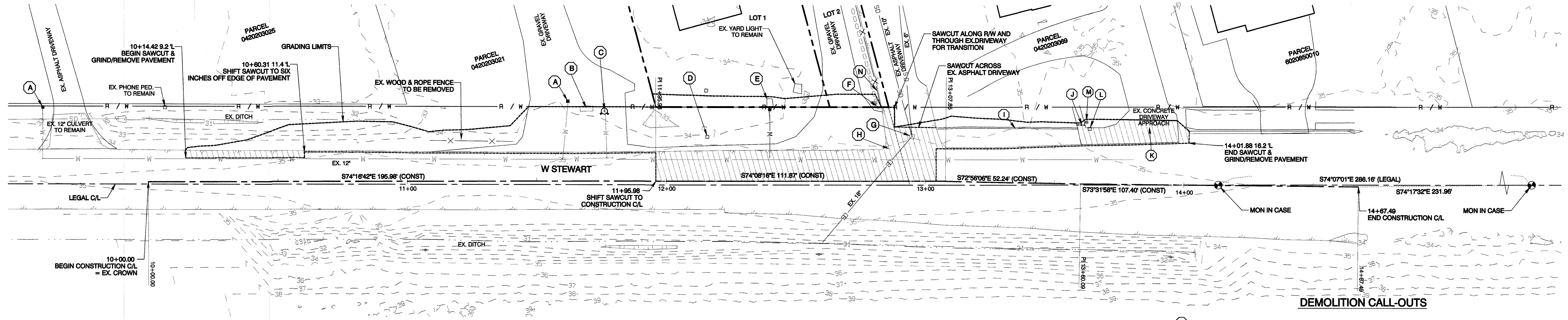
Project Desc.: Farris Short Plat Print: F:\Users\k2349 - Farris Short Plat\Drawings\011117.dwg Plot Date/Time: 1/11/2017 10:30:30AM



Farris Short Plat

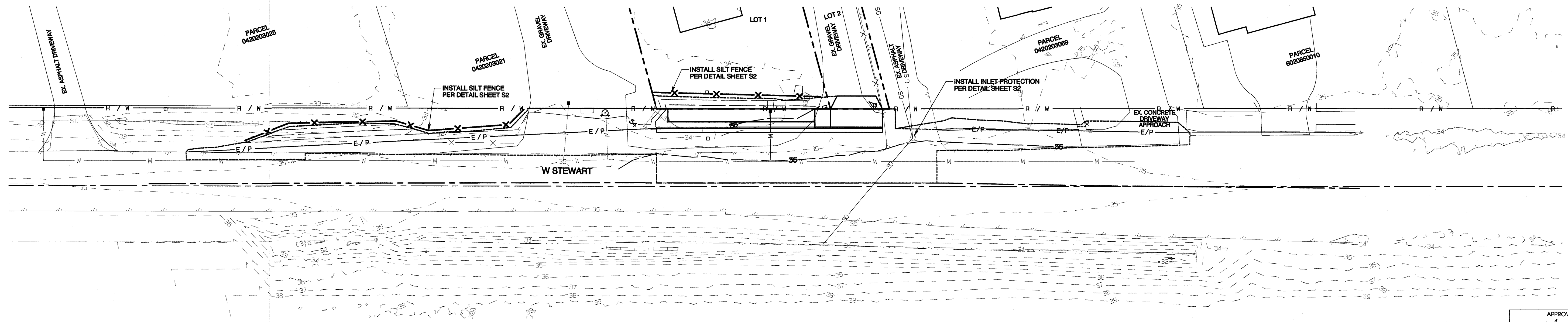
Section 29, Township 20 N, Range 4 E, Willamette Meridian, Pierce County, Washington

NOTE: ALL STATIONING BASED ON CONSTRUCTION C/L



DEMOLITION PLAN

- | | |
|--|---|
| (A) EX. WATER METER TO REMAIN | (I) REMOVE 55LF EX. WALL/CURB |
| (B) EX. UTILITY VAULT TO REMAIN | (J) SAWCUT ACROSS EX. CONCRETE WALKWAY |
| (C) EX. HYDRANT TO REMAIN | (K) SAWCUT ACROSS EX. CONCRETE DRIVEWAY |
| (D) EX. MAILBOX, RETAIN IN SERVICE DURING CONSTRUCTION
REPLACE BEHIND CURB AFTER CONSTRUCTION | (L) EX. MAILBOX, RETAIN IN SERVICE DURING
CONSTRUCTION REPLACE BEHIND PAVING
AFTER CONSTRUCTION |
| (E) DECORATIVE DOGHOUSE & RPBA PROTECTION
ADJUST GRADE | (M) YARD LIGHT TO REMAIN |
| (F) EX. PP TO BE RELOCATED BY PSE
EX. UTILITY BOX TO BE REPLACED BY PSE | (N) EX. FENCE & HEDGE
REMOVE 10 LF |
| (G) EX. CB, REPLACE EX. FRAME & GRATE
WITH 24\"/> | |
| (H) 13+04.30 12.5' L
SHIFT SAWCUT TO SIX
INCHES OFF EDGE OF PAVEMENT | |
- GRIND/REMOVE PAVEMENT FOR
OVERLAY/WIDENING



ESC PLAN

APPROVED
BY:
CITY OF PUYALLUP
ENGINEERING SERVICES
DATE: 3/16/2017
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ENGINEERING SERVICES
MANAGER.



DATE	REVISION
12/1/16	1. Revised per 1st City Review.
1/11/17	2. Revised per 2nd City Review.
	3. Revised per 3rd City Review.
	4. Revised per 4th City Review.
	5. Revised per 5th City Review.
	6. Revised per 6th City Review.
	7. Revised per 7th City Review.
	8. Revised per 8th City Review.
	9. Revised per 9th City Review.
	10. Revised per 10th City Review.

JOB NO. 2349
DATE: May 6, 2016
DESIGNED BY: R. Farris
DRAWN BY: R. Farris
CHECKED BY: R. Farris
APPROVED BY: R. Farris

Azure Green
CONSULTANTS
*feasibility *planning *engineering *surveying
409 East Pioneer, Suite A - Puyallup, WA 98372 phone: 253.770.3144 fax: 253.770.3142

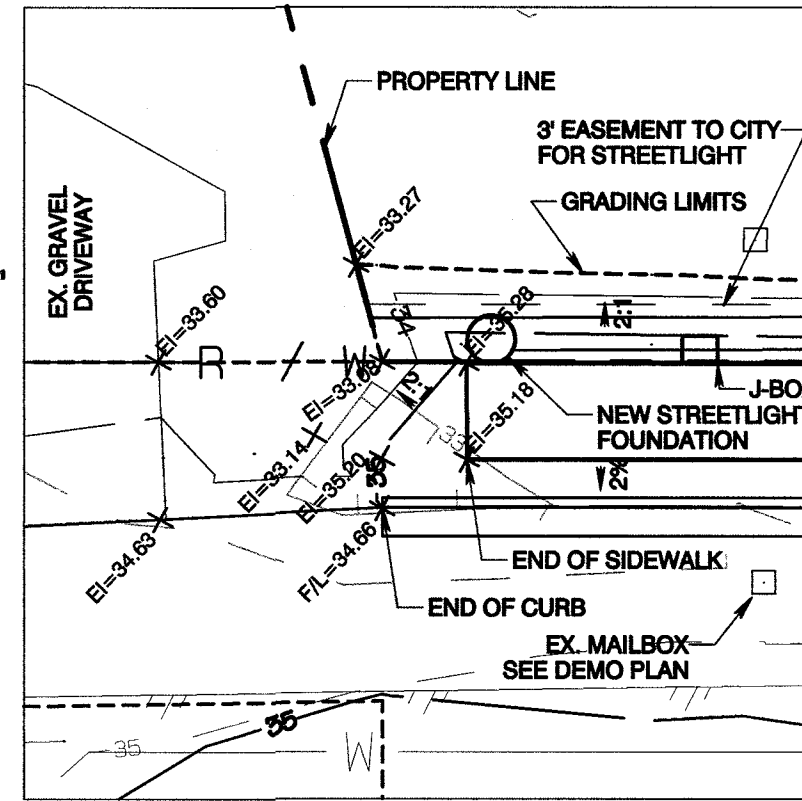
Demolition Plan & ESC Plan

Farris Short Plat
W. Stewart Ave. Improvements
Richard & Kathy Farris
2401 W. Stewart
Puyallup, WA, 98371
Phone 253.255.3413 Fax

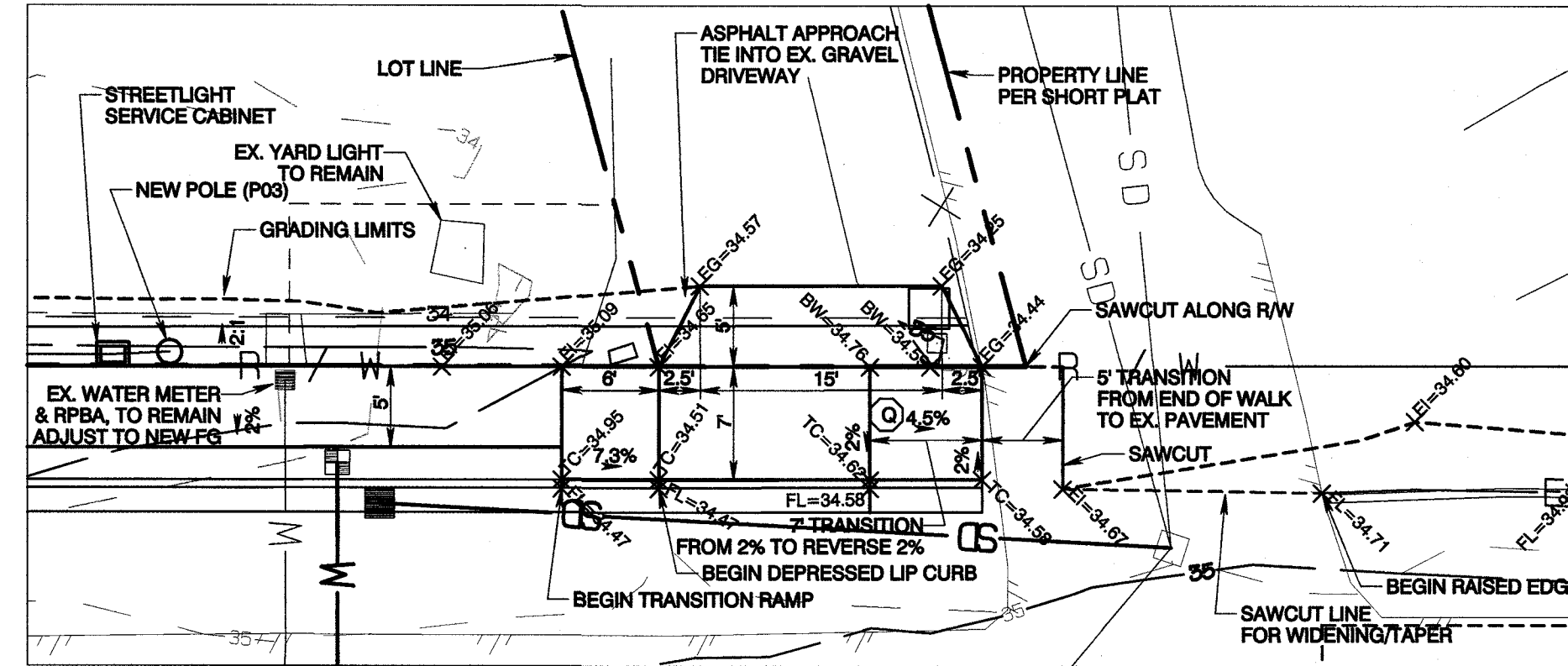
DRAWING
S3
SHEET 3
OF 9

Section 29, Township 20 N, Range 4 E, Willamette Meridian, Pierce County, Washington

BEGIN TAPER = STA. 11+95.98 21.0'L
END TAPER = STA. 10+14.27 12.2'L
W = 21.0-12.2 = 8.8'
SPEED LIMIT, S = 35 MPH
REQUIRED LENGTH OF TAPER (LT) = $W \times S \times S / 60 = 179.67'$
PROVIDED TAPER LENGTH = 1195.98 - 1014.27 = 181.71'



END OF SIDEWALK GRADING DETAIL
SCALE: 1"=10'

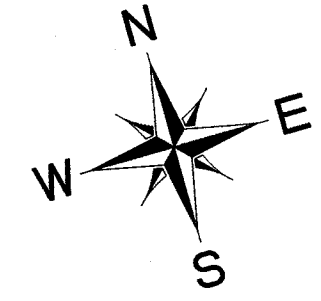


DRIVEWAY APPROACH GRADING DETAIL

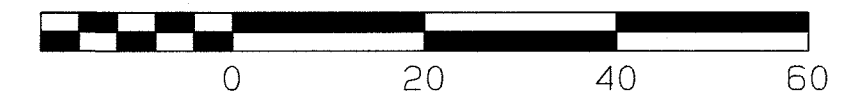
SCALE: 1"=10'

CONSTRUCTION CALL-OUTS

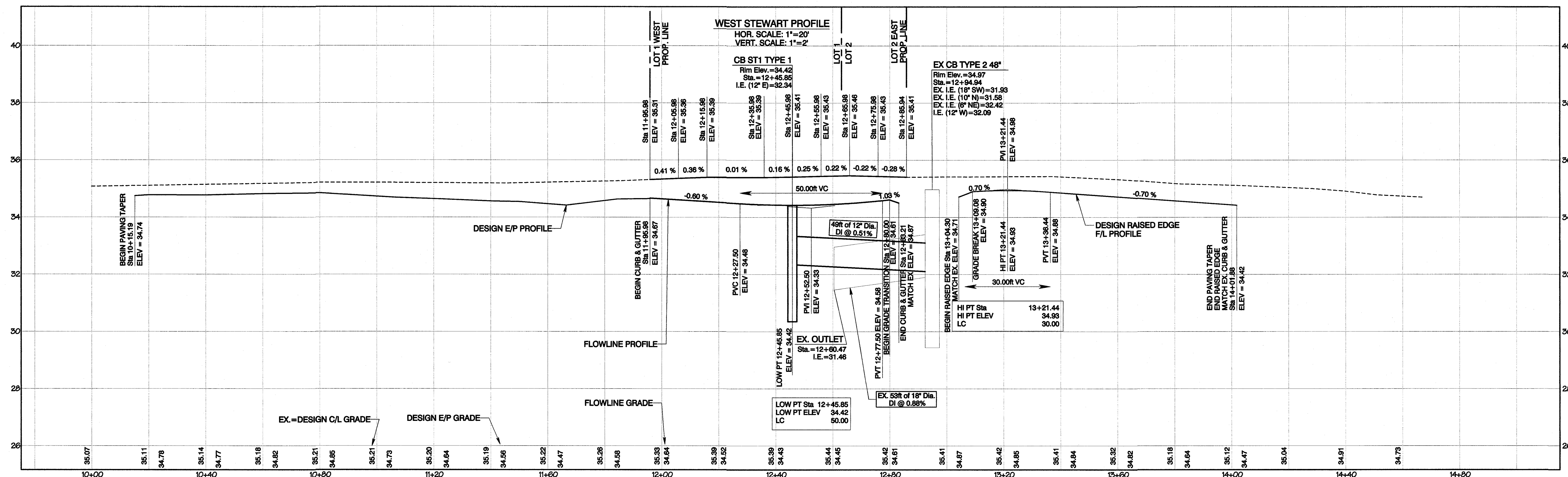
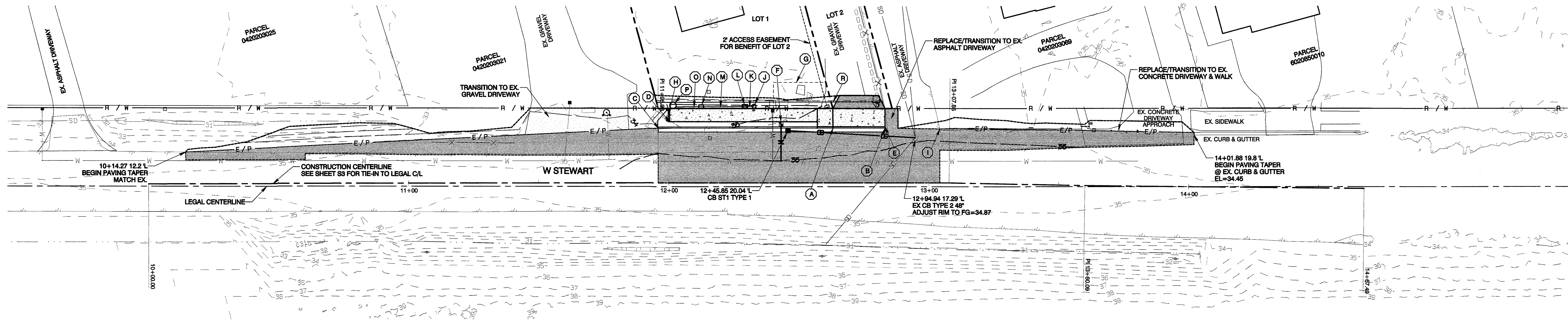
(A) 12+63.16 21.0 L END DEPRESSED LIP FOR DRIVEWAY APPROACH PER STD 01.02.13	(J) 12+32.84 29.4 L NEW POWER POLE, REPLACEMENT FROM SE CORNER CONDUIT DOWN
(B) 12+83.21 21.0 L END DEPRESSED LIP END CURB & GUTTER END PAVING TAPER	(K) 3LF 2" PVC CONDUIT W/ 3 #2
(C) 11+95.98 21.0 L END PAVING TAPER BEGIN CURB & GUTTER	(L) 12+29.32 29.3 L SERVICE CABINET SEE 01.05.05
(D) 12+00.38 23.5 L BEGIN 5' SIDEWALK	(M) 17LF 2" PVC CONDUIT W/ 3 #2
(E) 12+83.21 21.5 L END SIDEWALK	(N) 12+12.52 29.2 L JUNCTION BOX SEE 01.06.01
(F) INSTALL SINGLE 1" WATER SERVICE PER STD 03.03.01 WITH 1.5" LEADER PAST METER	(O) 11LF 2" PVC CONDUIT W/ 3 #2
(G) 10x20' WATER EASEMENT FOR BENEFIT OF LOT 2	(P) 12+01.66 29.7 L STREETLIGHT BASE SEE 01.05.04 & 01.05.06
(H) INSTALL TYPE III BARRICADE AT END OF SIDEWALK, SEE STD 01.02.20 SEE SHEET 56	(Q) PLACE JOINT AT END OF STANDARD 2% CROSS-SLOPE
(I) 13+04.30 20.7 L END PAVING TAPER MATCH EX.	(R) 87LF 2" PVC CONDUIT (SPARE)



GRAPHIC SCALE 1"=20'



BEGIN TAPER = STA. 14+01.88 19.8'L
END TAPER = STA. 13+04.30 20.7'L
W = 20.7-19.8 = 0.9'
SPEED LIMIT, S = 35 MPH
REQUIRED LENGTH OF TAPER (LT) = $W \times S \times S / 60 = 18.38'$
PROVIDED TAPER LENGTH = 1401.88 - 1304.30 = 97.58'



APPROVED

[Signature]

BY: _____

CITY OF PUYALLUP
ENGINEERING SERVICES

DATE: 3/16/2017

NOTE: THIS APPROVAL IS VOID
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ENGINEERING SERVICES
MANAGER.

West Stewart Widening

Farris Short Plat
W. Stewart Ave. Improvements

Richard & Kathy Farris
2401 W Stewart
Puyallup, WA, 98371
Phone 253.255.3413 Fax

DRAWING

S4

SHEET 4
OF 9



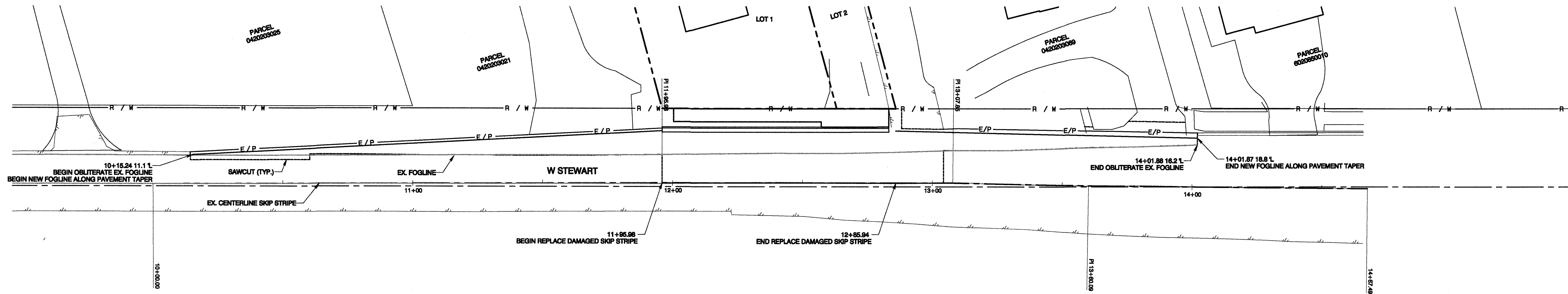
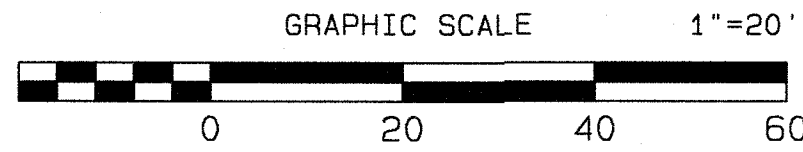
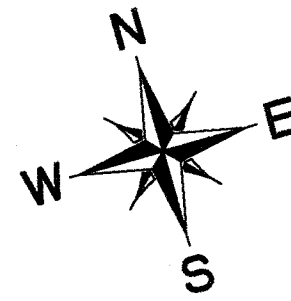
REVISION	DATE
1	1/1/16
2	1/1/17
3	
4	
5	
6	
7	
8	
9	
10	

JOB NO: 2349
DATE: May 6, 2016
DESIGNED BY: Rob Trivitt
DRAWN BY: Rob Trivitt
CHECKED BY: Jim Job
APPROVED BY: Paul Green

AZURE GREEN
CONSULTANTS
+feasibility +planning +engineering +surveying
99 East Pioneer, Suite A - Puyallup, WA 98372
phone: 253.770.3144 fax: 253.770.3142

Farris Short Plat

Section 29, Township 20 N, Range 4 E, Willamette Meridian, Pierce County, Washington



1. CENTERLINE STRIPE FOR CHANNELIZATION SHALL BE DETAIL B OR DETAIL C AS DIRECTED BY CITY. CENTERLINE STRIPE FOR ALL COLLECTORS SHALL BE DETAIL D WITH 2" TYPE RPM SPACING. 8" OR 10" RADIALS SPACING AND HORZ. CURVES WITH A RADIUS OF 5000' OR MORE AND 40' INTERVALS ON HORZ. CURVES LESS THAN 5000'. CENTERLINE STRIPE FOR AFTERBURNER SHALL BE DETAIL E WITH RPM SPACING AS PREVIOUSLY DEFINED.
2. ROADS, UNLESS OTHERWISE DETERMINED BY THE CITY, (ALTERS & COLLECTORS) LONGITUDINAL LINES SHALL BE PAINTED APPLIED 1" MILLS WHEN NECESSARY.
3. NO PASSING ZONES IN ONE DIRECTION OR BOTH SHALL BE CLEARLY MARKED WITH CENTERLINE STRIPE, DETAIL B OR DETAIL C OR COMBINATION OF DETAIL D AND DETAIL E.
4. ON WIDE INTERSECTIONS SPACE TYPE 1 OR 2 RPM 4' FEET ON CENTER.

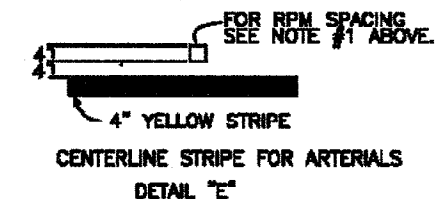
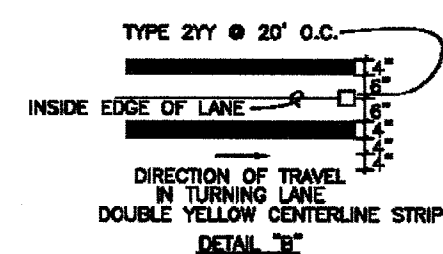
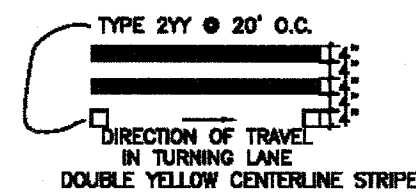
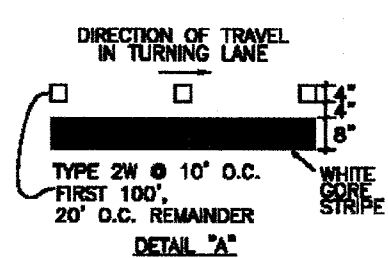
TYPE 2 RPM (REFLECTIVE)

RAISED FACE COLORS	
TYPE 2WR	WHITE AND RED
TYPE 2YR	YELLOW AND RED
TYPE 2YY	YELLOW AND YELLOW
TYPE 2W	WHITE - ONE SIDE ONLY
TYPE 2Y	YELLOW - ONE SIDE ONLY

TYPE 1 RPM COLORS	
TYPE 1W	WHITE
TYPE 1Y	YELLOW

*TYPE 3 RPM COLORS	
TYPE 3W	8" RUMBLE BAR - WHITE
TYPE 3Y	8" RUMBLE BAR - YELLOW

• CITY MAY REQUIRE REFLECTIVE



SCALE: 1:4



SKIP STRIPE PATTERN FOR
CENTERLINES AND LANE LINES.
DETAIL "D"

SCALE: 1:20

CITY OF
PUYALLUP

DEVELOPMENT ENGINEERING and
PUBLIC WORKS DEPARTMENTS

PAVEMENT MARKING DETAILS

DRAWN BY JIM PERVIN-BYRONDA		CHECKED BY LINDA LIAN		APPROVED BY COLLEEN HARRIS		REVISED BY XXXXX		CITY STANDARD	
FILE NAME P:\WORK\COMM\COMM\CTTY\2000\11\STUD\LOVAL\AL10		DATE APPROVED 01/01/2000		DATE REVISION XXXXXX		SCALE VARIES		01.03.10	

DATE: 3/16/2017

NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

Channelization Plan

Farris Short Plat
W. Stewart Ave. Improvements

Richard & Kathy Farris
2401 W Stewart
Puyallup, WA, 98371
Phone 253.255.3413 Fax

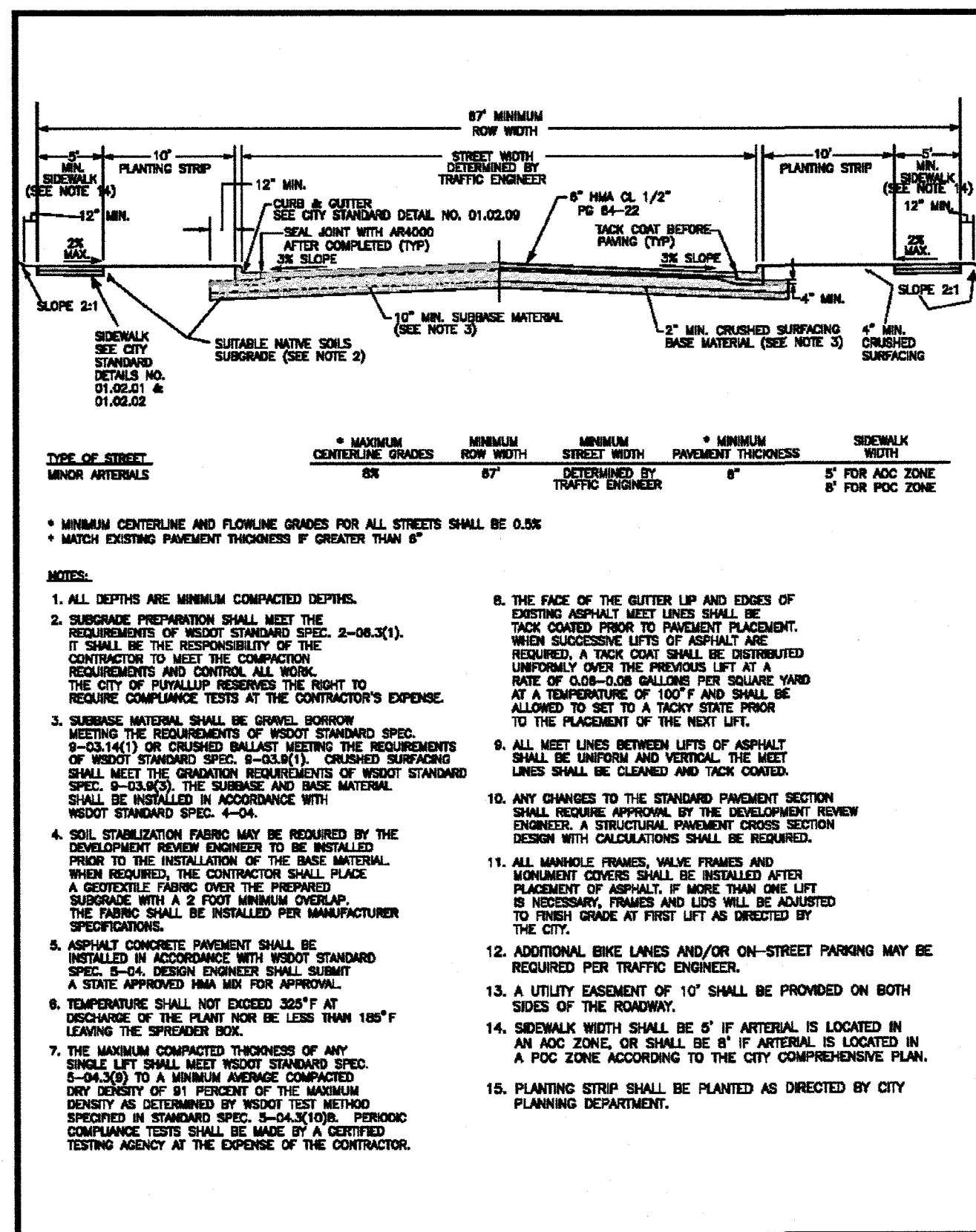
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S5

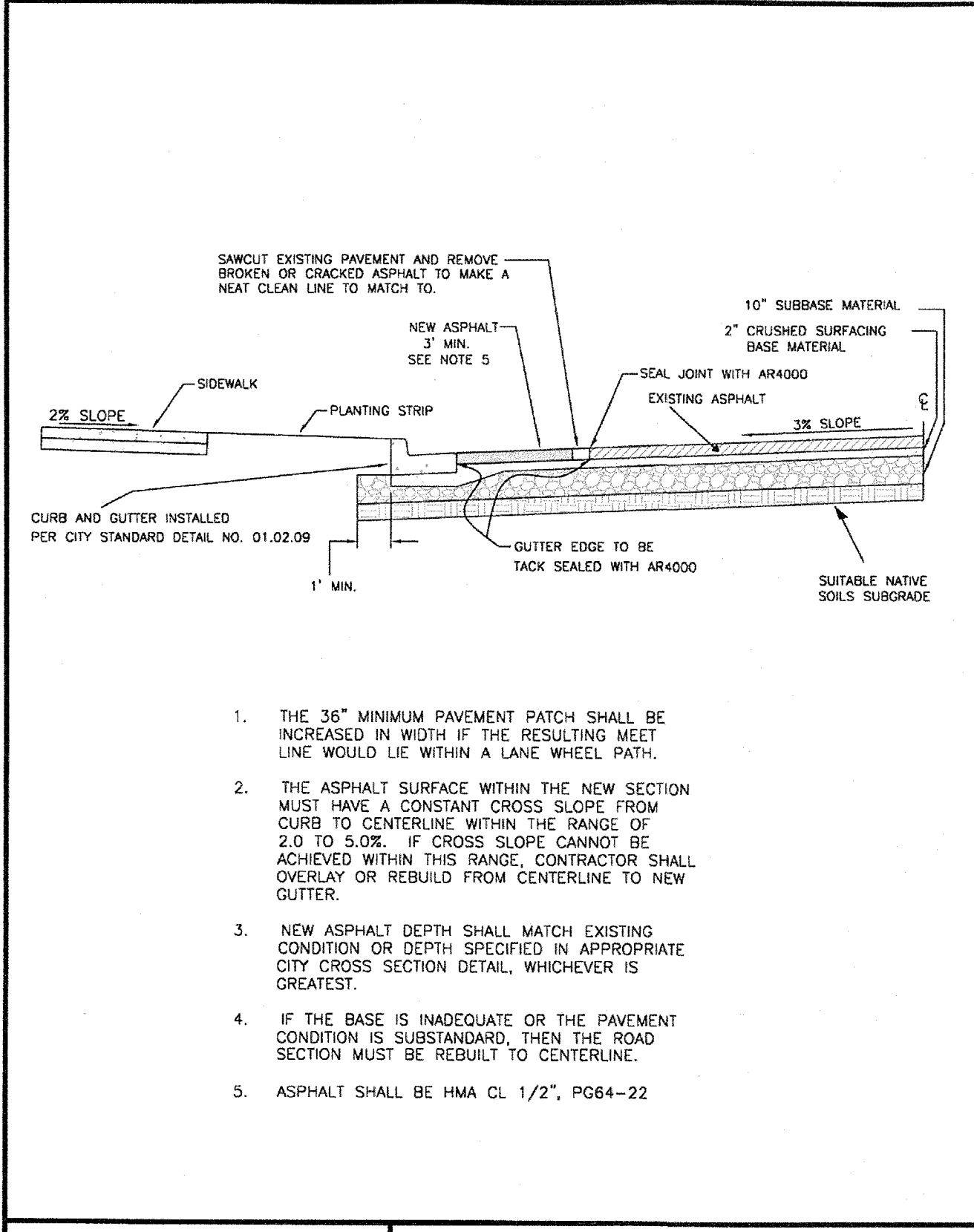
SHEET 5
OF 9

Farris Short Plat

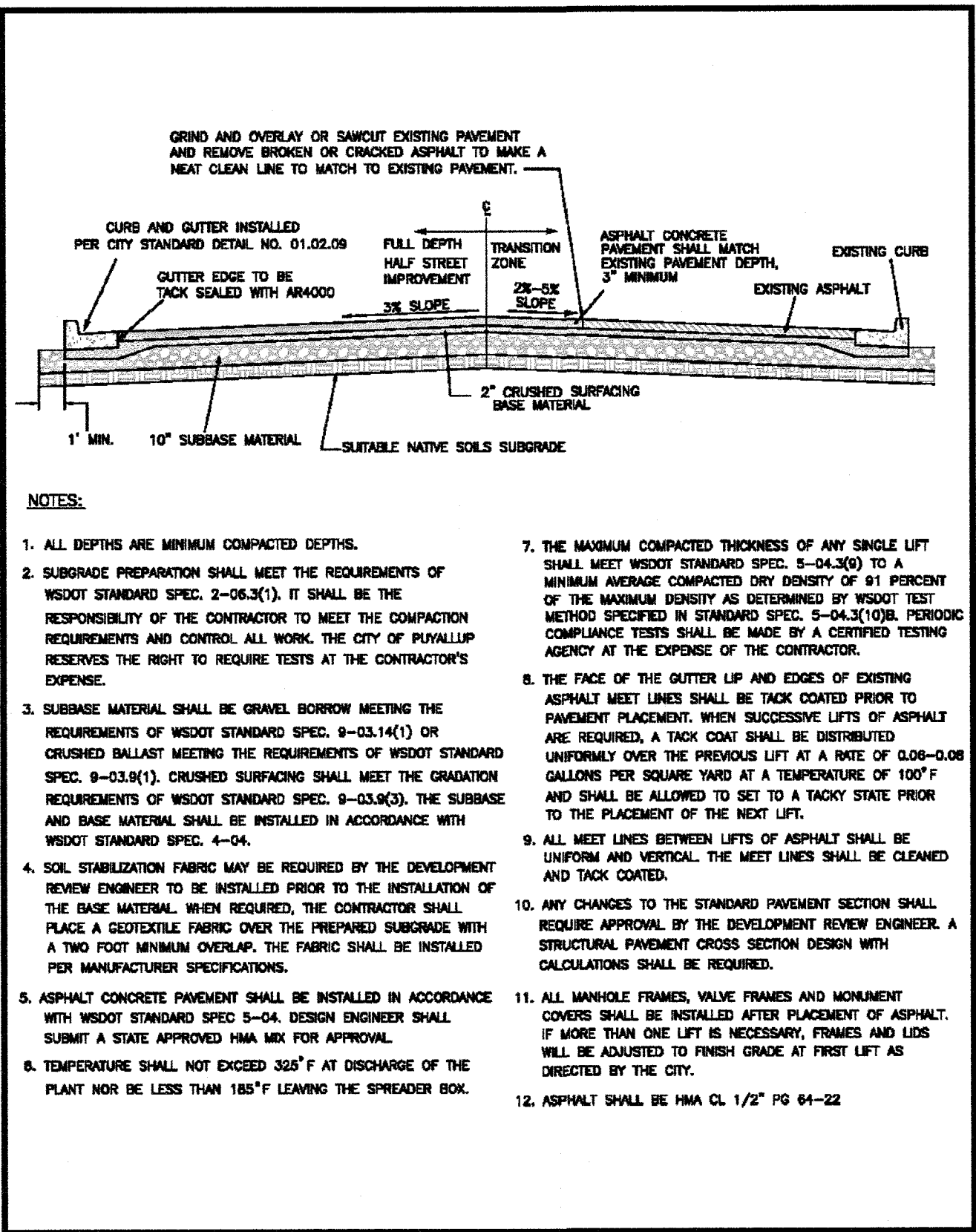
Section 29, Township 20 N, Range 4 E, Willamette Meridian, Pierce County, Washington



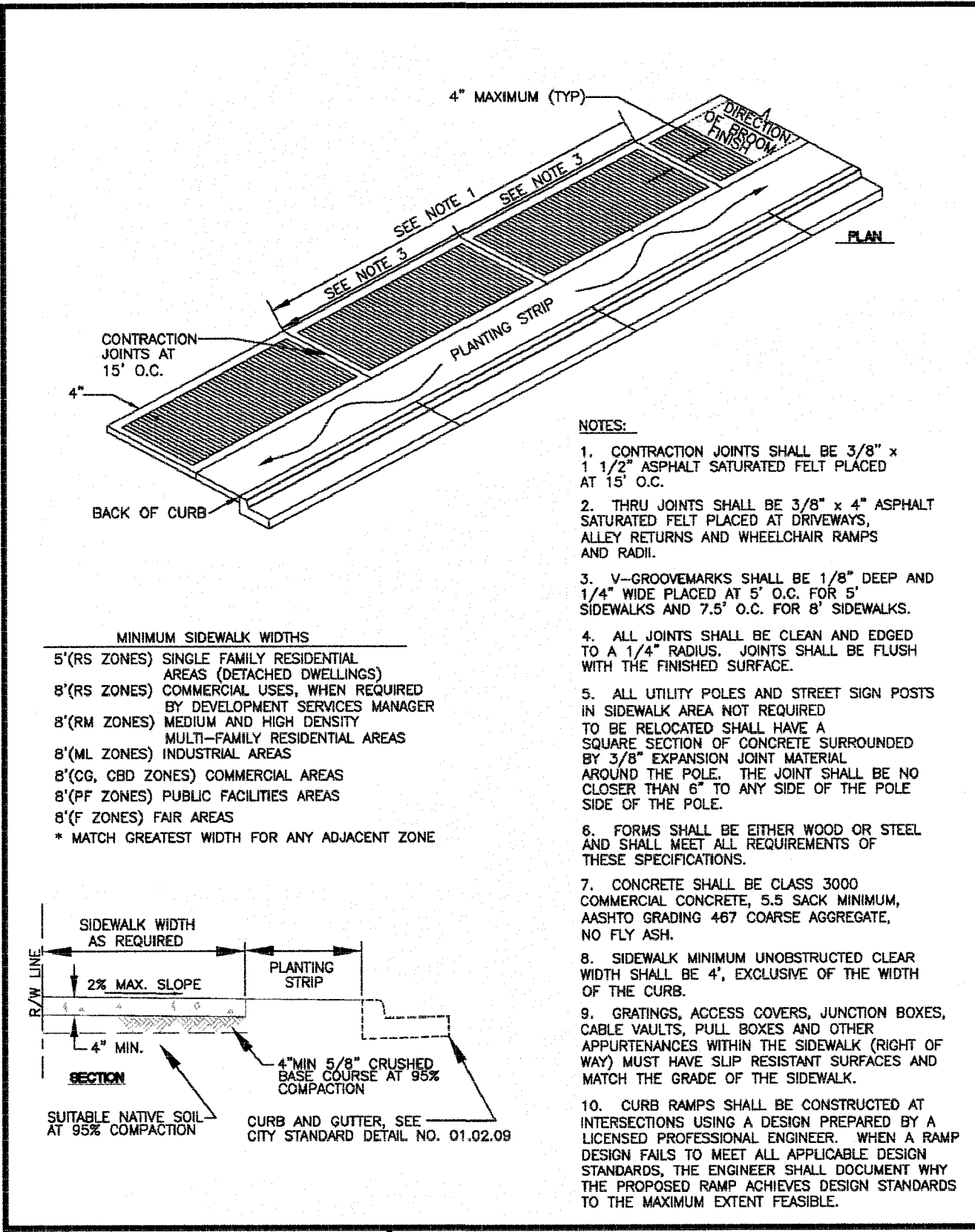
	CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	
DESIGNED BY: LINDA LIAN	CHECKED BY: LINDA LIAN
DATE: 01/01/18	DATE: 01/01/18
PROJECT: PUBLIC ROADWAY MINOR ARTERIAL CROSS SECTION	CITY STANDARD: 01.01.06



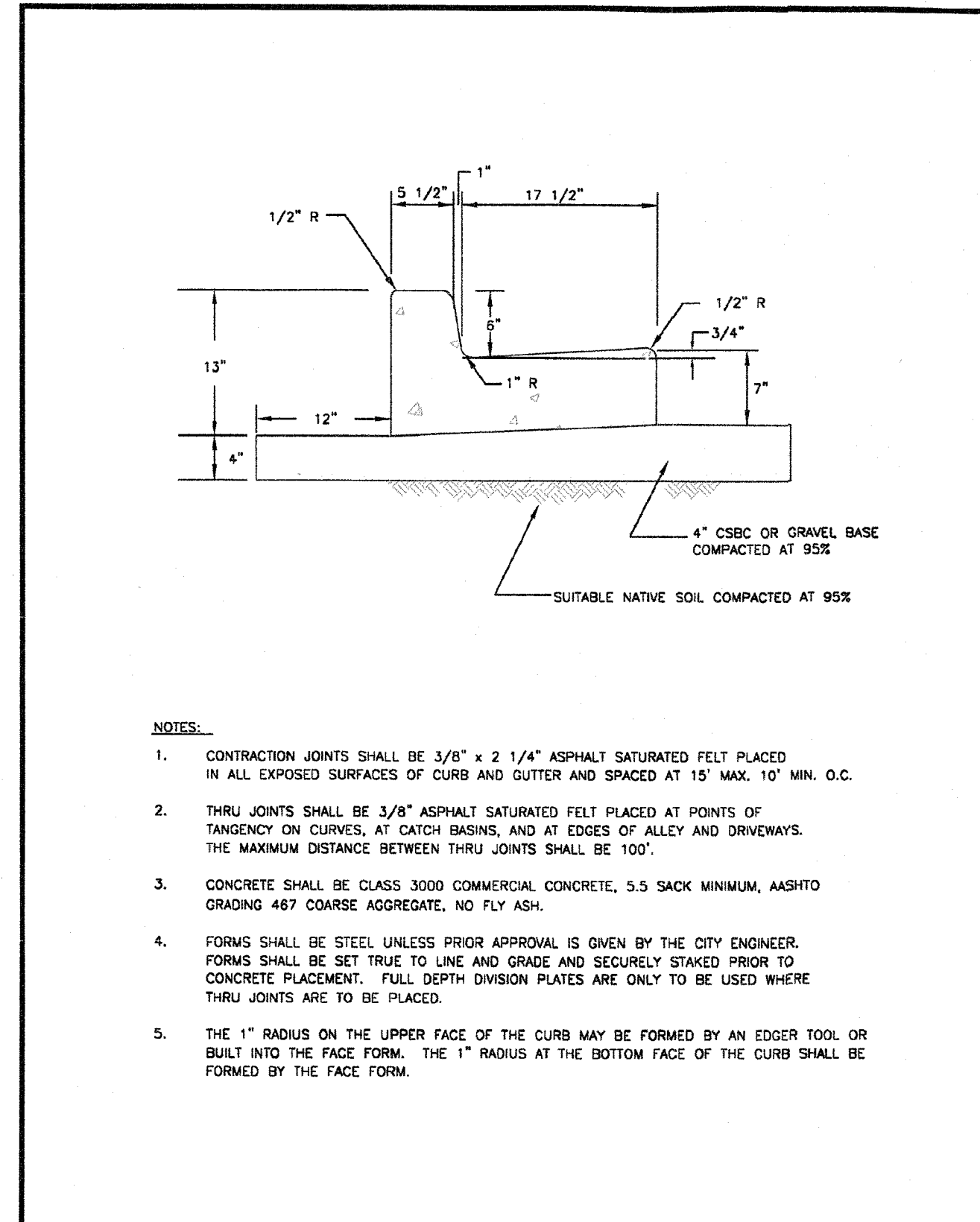
	CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	
DESIGNED BY: LINDA LIAN	CHECKED BY: LINDA LIAN
DATE: 01/01/18	DATE: 01/01/18
PROJECT: ROADWAY WIDENING	CITY STANDARD: 01.01.18



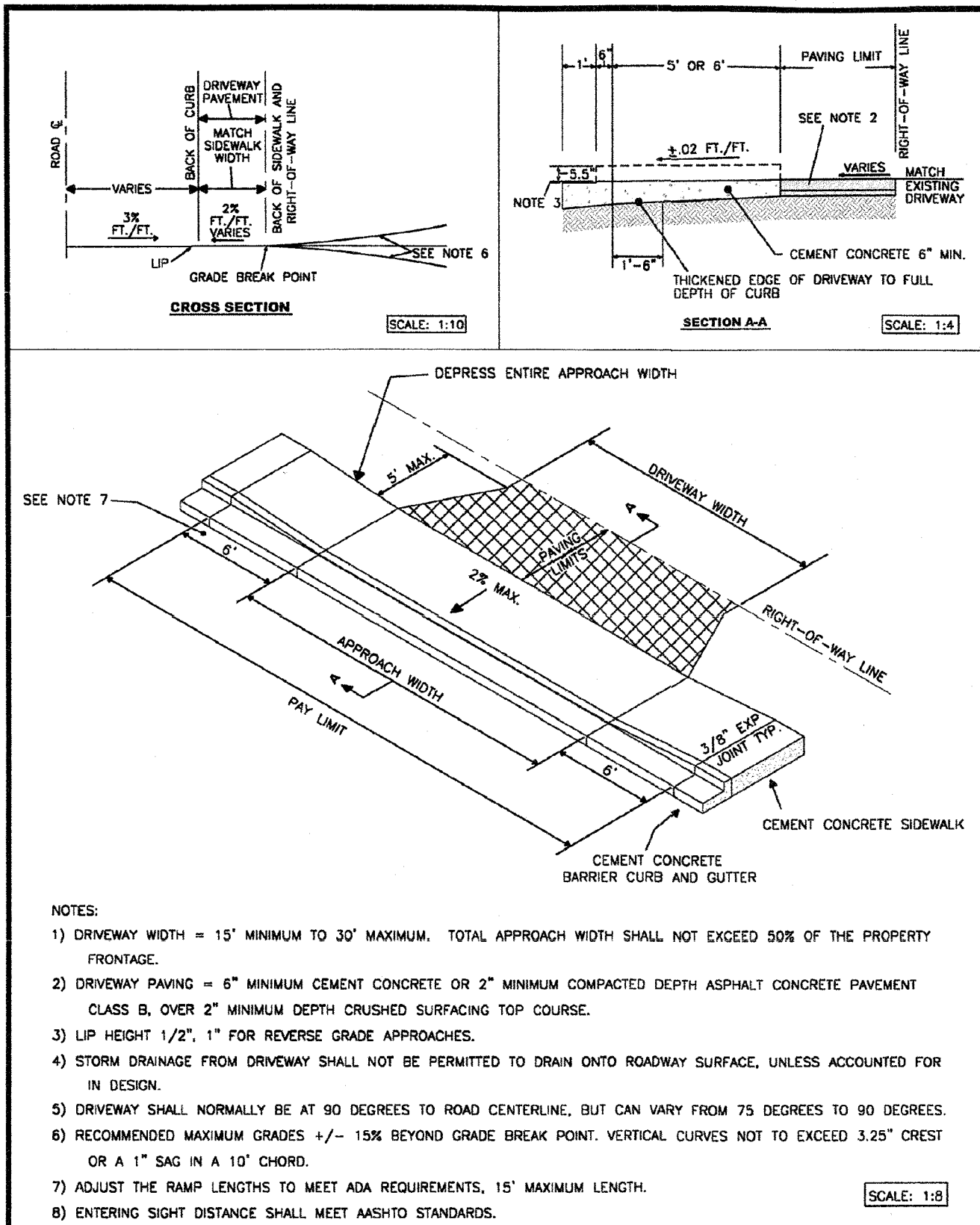
	CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	
DESIGNED BY: LINDA LIAN	CHECKED BY: LINDA LIAN
DATE: 01/01/18	DATE: 01/01/18
PROJECT: HALF STREET IMPROVEMENT	CITY STANDARD: 01.01.19



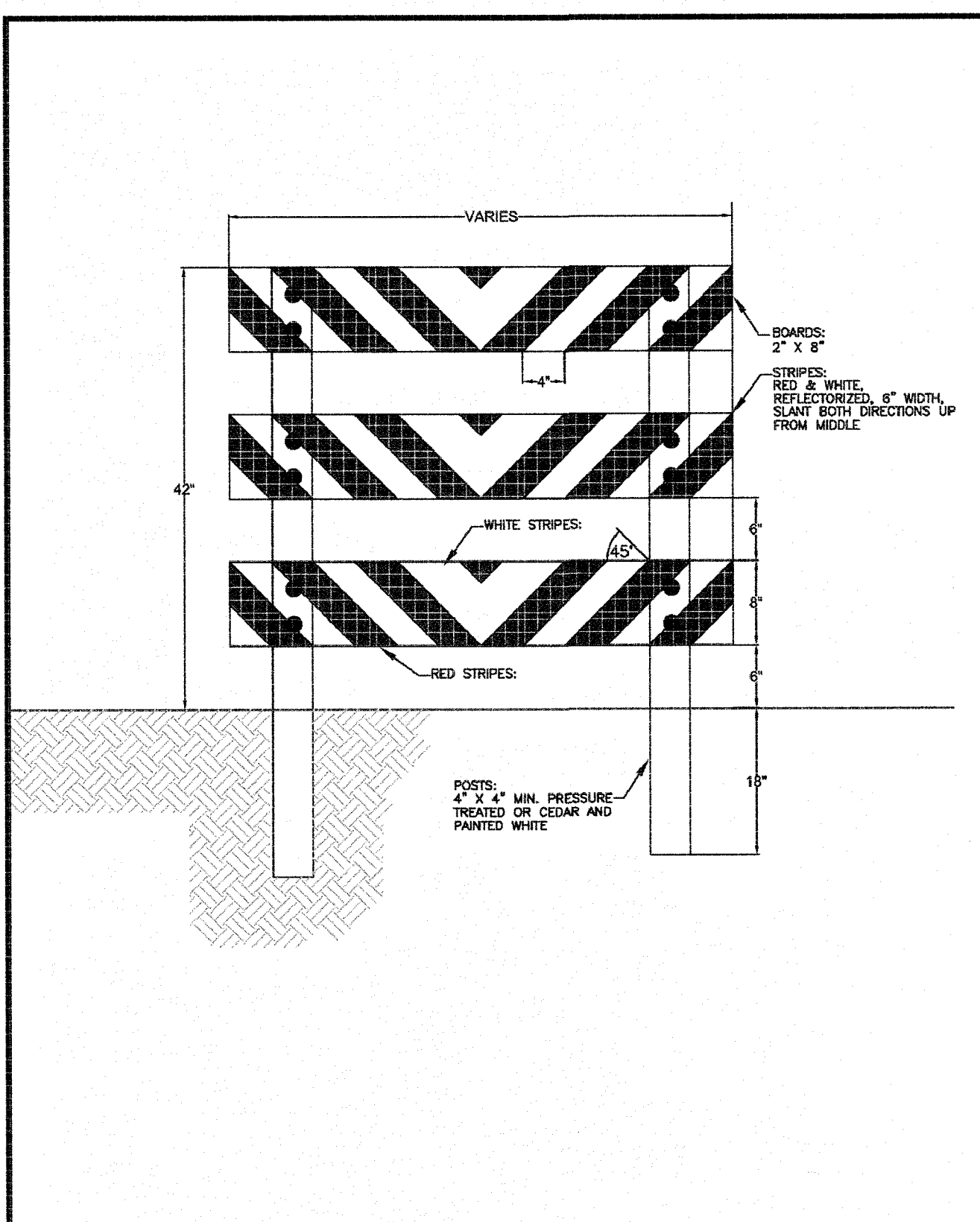
	CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	
DESIGNED BY: LINDA LIAN	CHECKED BY: LINDA LIAN
DATE: 01/01/18	DATE: 01/01/18
PROJECT: SIDEWALK WITH PLANTING STRIP	CITY STANDARD: 01.02.02



	CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	
DESIGNED BY: LINDA LIAN	CHECKED BY: LINDA LIAN
DATE: 01/01/18	DATE: 01/01/18
PROJECT: CURB AND GUTTER	CITY STANDARD: 01.02.09



	CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	
DESIGNED BY: LINDA LIAN	CHECKED BY: LINDA LIAN
DATE: 01/01/18	DATE: 01/01/18
PROJECT: RESIDENTIAL DRIVEWAY ALTERNATE 1	CITY STANDARD: 01.02.13



	CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	
DESIGNED BY: LINDA LIAN	CHECKED BY: LINDA LIAN
DATE: 01/01/18	DATE: 01/01/18
PROJECT: TYPE III BARRICADE FOR FUTURE EXTENDED SIDEWALKS	CITY STANDARD: 01.02.20

DATE: 1/11/17

REVISION: 1/11/17

DESIGNED BY: LINDA LIAN

CHECKED BY: LINDA LIAN

DATE: 01/01/18

PROJECT: FARRIS SHORT PLAT

DETAILS 1 OF 4

Farris Short Plat

W. Stewart Ave. Improvements

Richard & Kathy Farris
2001 W Stewart
Puyallup, WA 98371
Phone 253.255.3413 Fax

APPROVED

BY: [Signature]

DATE: 1/11/17

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DRAWING

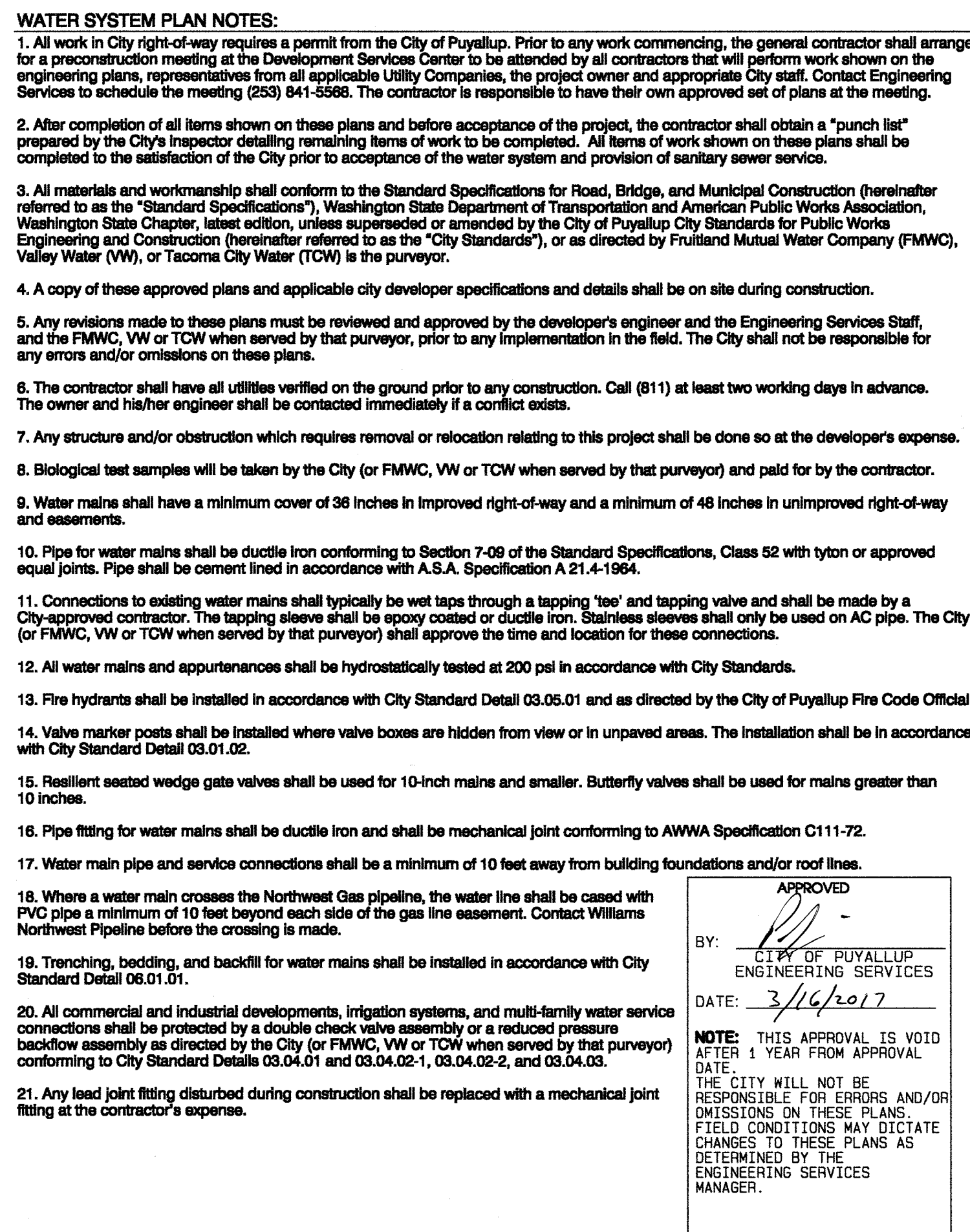
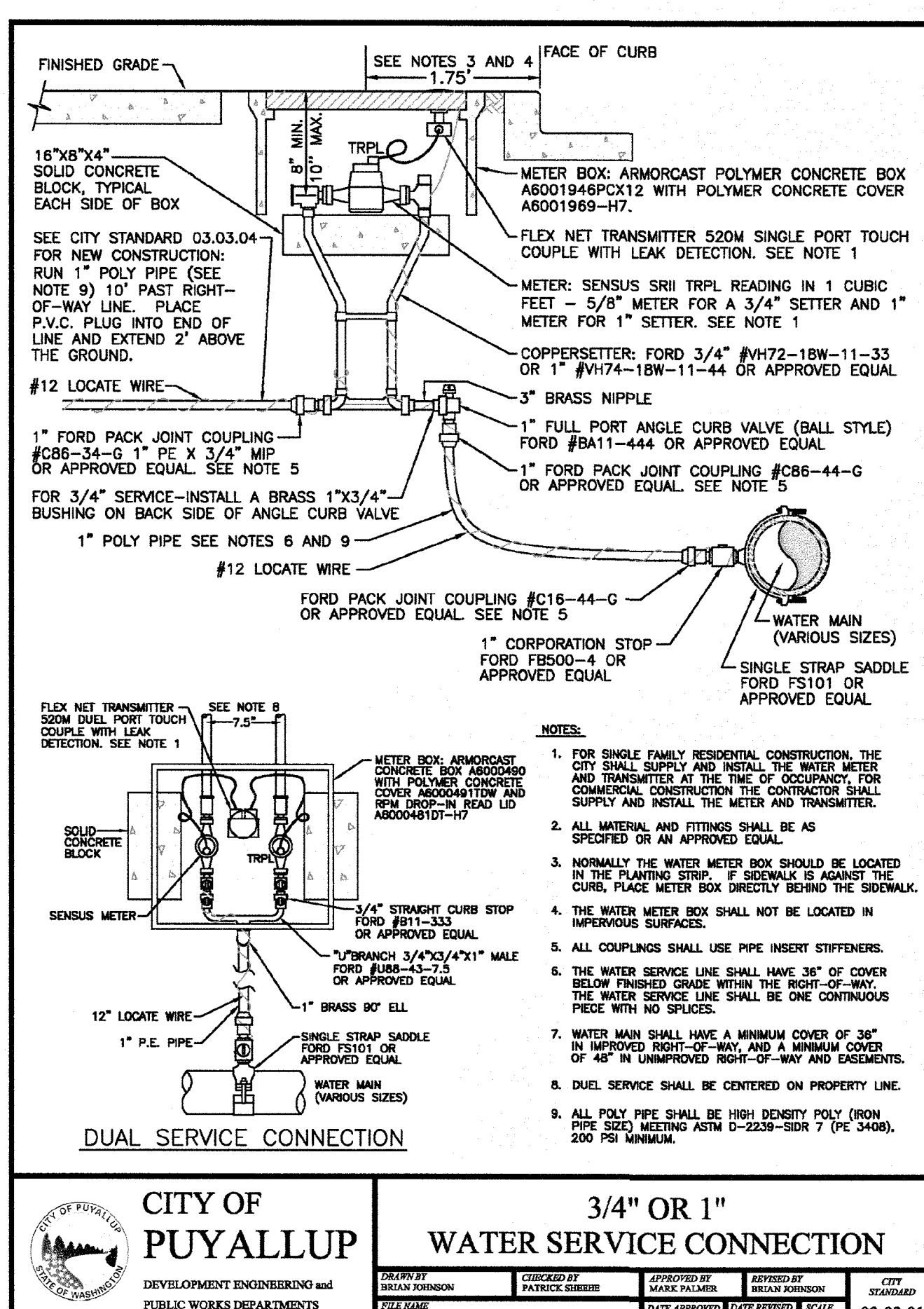
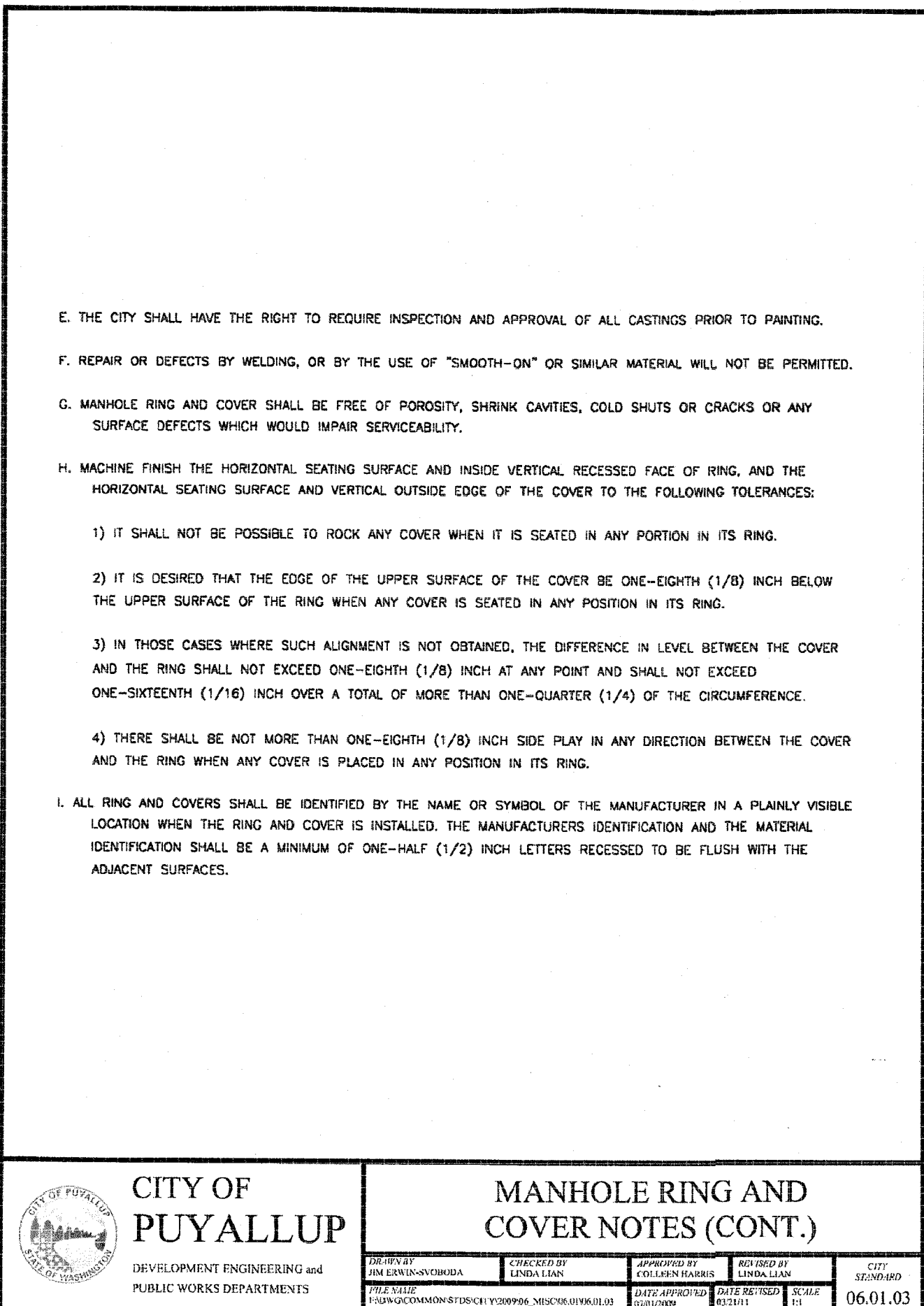
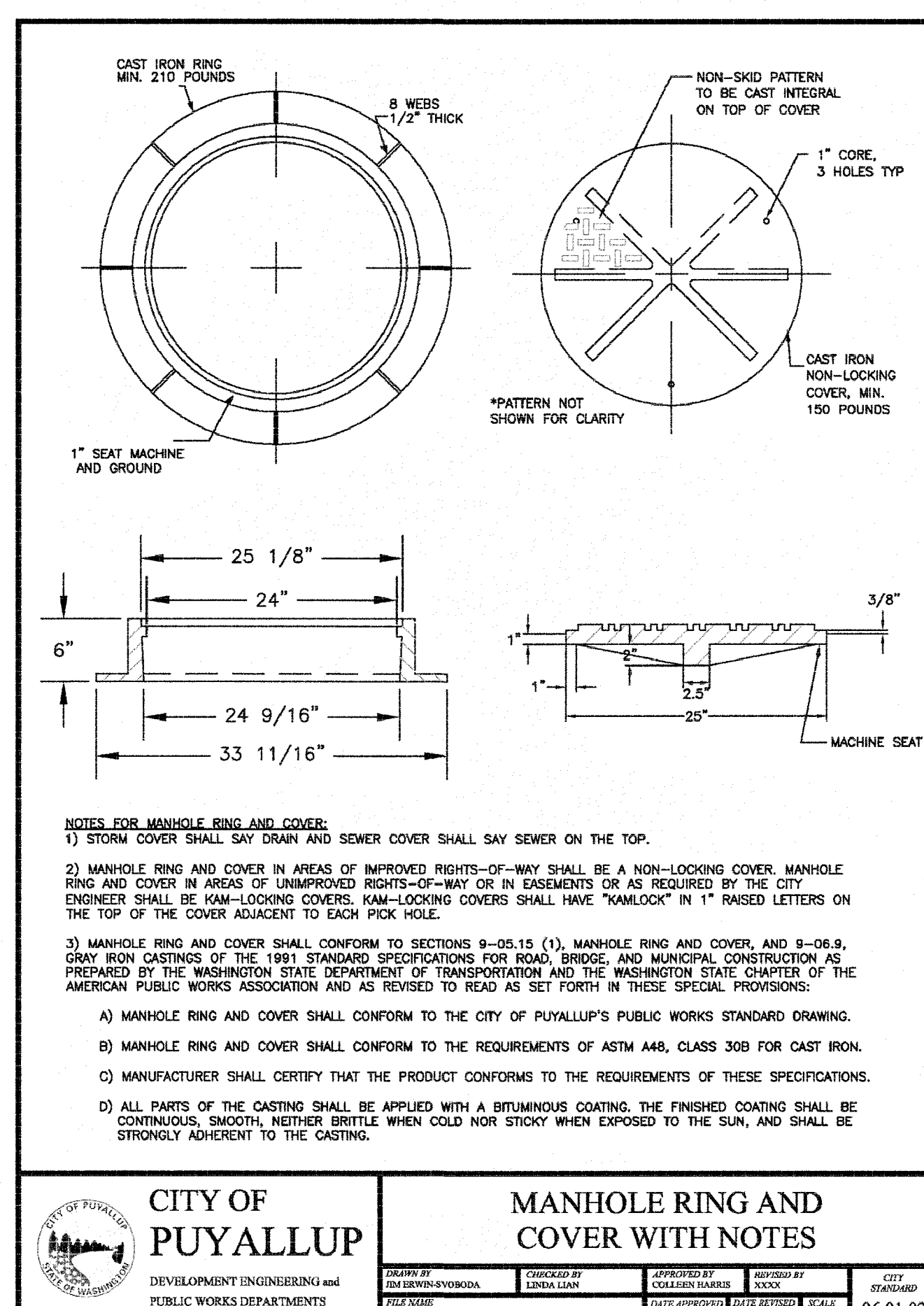
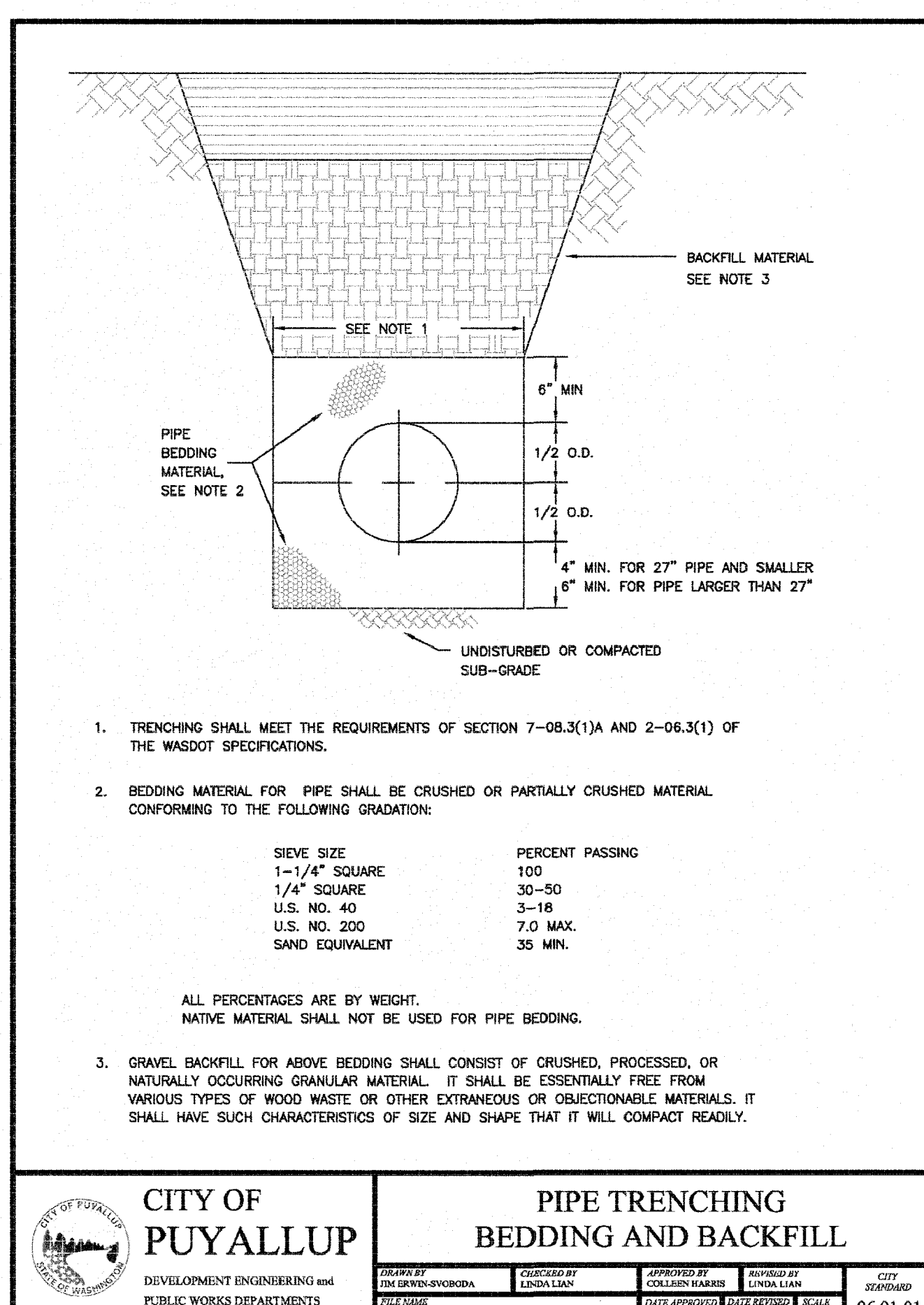
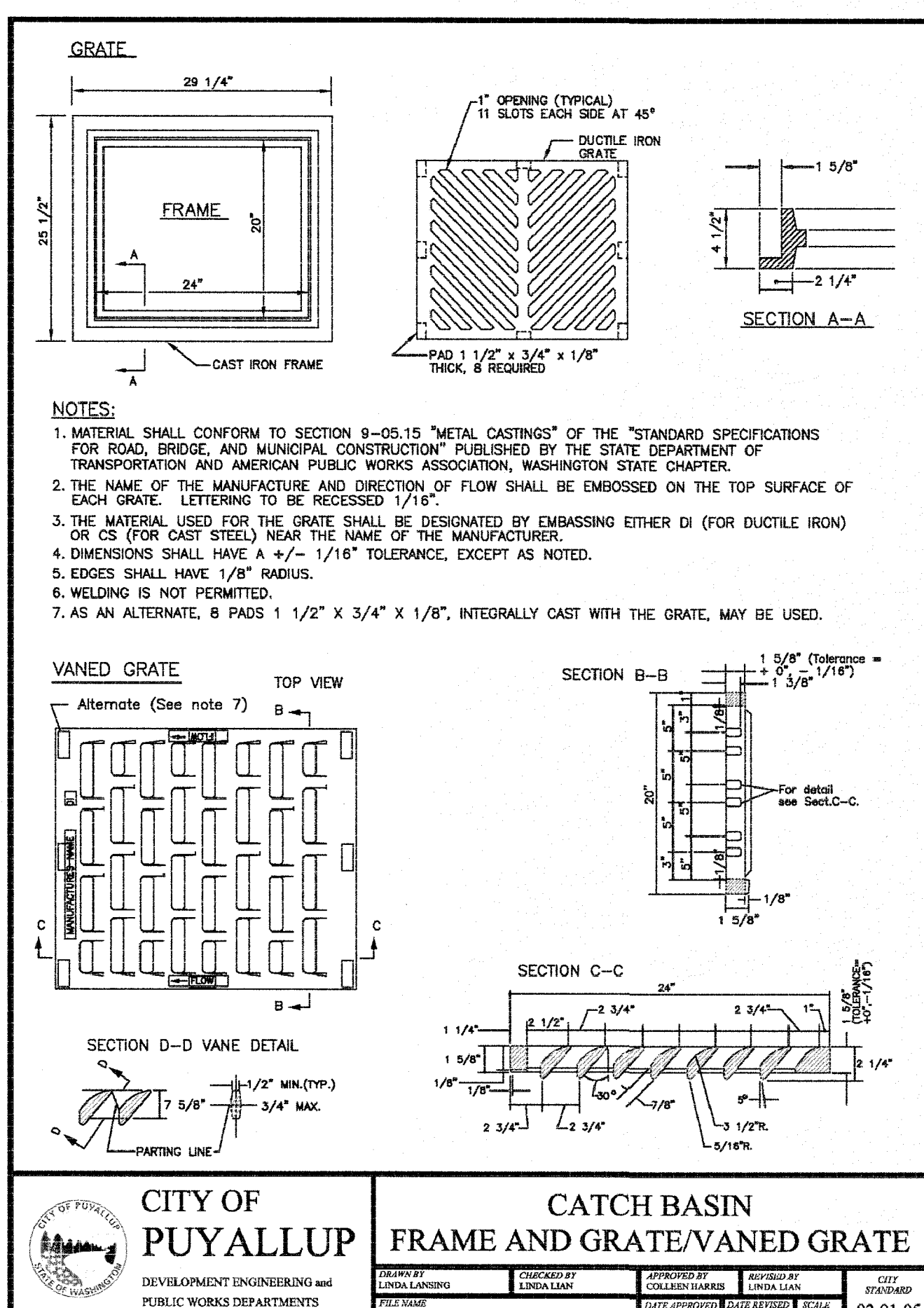
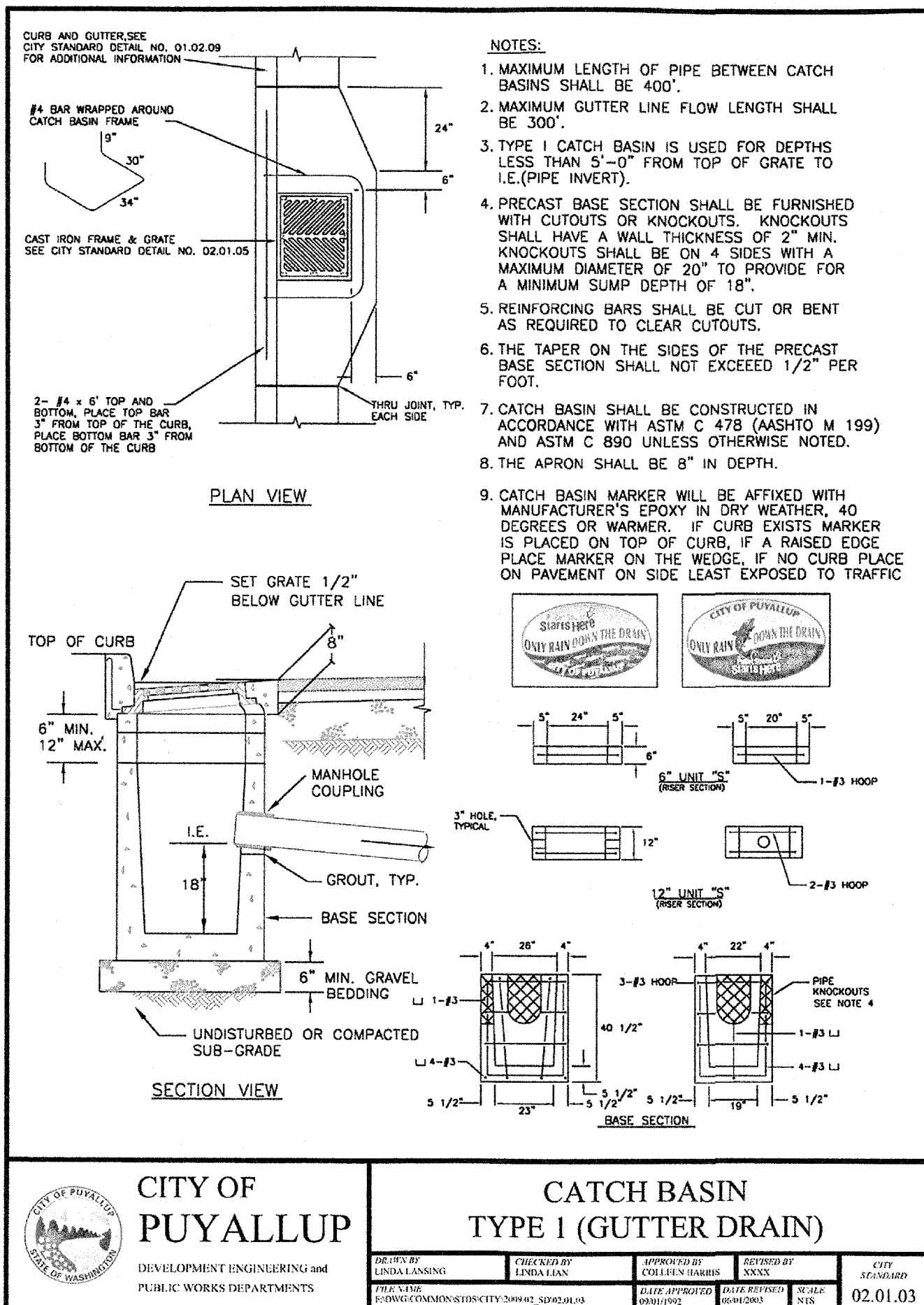
S6

SHEET 6

OF 9

Farris Short Plat

Section 29, Township 20 N, Range 4 E, Willamette Meridian, Pierce County, Washington



1/11/2017

REVISION

DATE	REVISION
12/17/16	1. REVISED PER 1ST CITY REVIEW.
1/11/17	2. REVISED PER 2ND CITY REVIEW.
3/16/17	3. REVISED PER 3RD CITY REVIEW.

DESIGNED BY: JIM GREEN-BOYD
DRAWN BY: LINDA LARSON
CHECKED BY: LINDA LARSON
DATE APPROVED: 06.01.02

PROJECT NO. 2349

DATE: MAY 6, 2016

DESIGNED BY: JIM GREEN-BOYD
DRAWN BY: LINDA LARSON
CHECKED BY: LINDA LARSON
DATE APPROVED: 06.01.02

400 East Pioneer, Suite A - Puyallup, WA 98372
phone: 253.770.3144 fax: 253.770.3142

DETAILS - 2 of 4

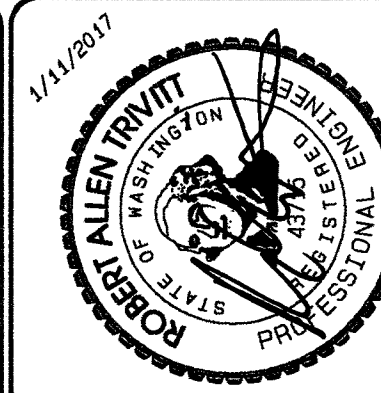
Farris Short Plat
W. Stewart Ave. Improvements

Richard & Kathy Farris
2401 W Stewart
Puyallup, WA 98371
Phone 253.255.3413 Fax

DRAWING
S7
SHEET 7 OF 9

Farris Short Plat

Section 29, Township 20 N, Range 4 E, Willamette Meridian, Pierce County, Washington



REVISION	DATE	BY	APP. BY
1. REVISED PER CITY REVIEW	12/1/16		
2. REVISED PER CITY REVIEW	1/11/17		
3. REVISED PER CITY REVIEW	1/11/17		
4. REVISED PER CITY REVIEW	1/11/17		
5. REVISED PER CITY REVIEW	1/11/17		
6. REVISED PER CITY REVIEW	1/11/17		
7. REVISED PER CITY REVIEW	1/11/17		
8. REVISED PER CITY REVIEW	1/11/17		
9. REVISED PER CITY REVIEW	1/11/17		
10. REVISED PER CITY REVIEW	1/11/17		

DATE: MAY 6, 2016	DESIGNED BY: J. FARRIS	DRAWN BY: J. FARRIS	APPROVED BY: J. FARRIS
JOB NO. 2249	PROJECT: FARRIS SHORT PLAT	CLIENT: PUYALLUP CITY	SCALE: AS SHOWN

AZURE GREEN CONSULTANTS

400 East Pioneer, Suite A - Puyallup, WA 98372 Phone: 253.770.3144 Fax: 253.770.3142

Richard & Kathy Farris
 2401 W Stewart
 Puyallup, WA 98371
 Phone 253.255.3413 Fax

Details - 3 of 4

DRAWING
S8
 SHEET OF 8

STREET LIGHTING SPECIFICATIONS

- 30-FOOT STEEL STREETLIGHT STANDARD
 - DIMENSIONS
 - STREETLIGHT STANDARDS SHALL PROVIDE A FIXTURE MOUNTING HEIGHT OF 30'0" PLUS OR MINUS 6" WITH A TYPICAL 12 FOOT MAST ARM WITH A THREE FOOT OVERHANG.
 - BASE PLATE SHALL HAVE SLOTTED HOLES TO ACCOMMODATE 1-INCH ANCHOR BOLTS, AND 1 1/2" BOLT CIRCLE WITH MINIMUM CLEARANCE OF 1" BETWEEN BOLT AND POLE.
 - HANDHOLE CENTER SHALL BE LOCATED APPROXIMATELY 12 INCHES FROM THE BASE PLATE, ROTATED 270 DEGREES FROM MAST ARM SO AS THE HANDHOLE IS LOCATED ON THE SIDE OPPOSING ONCOMING TRAFFIC.
 - STRENGTH
 - POLES SHALL MEET ALL STRENGTH REQUIREMENTS OF AASHTO FOR 90 MPH ISOTACH WHEN USED WITH A LUMINAIRE WEIGHING 48 POUNDS WITH A E.P.A. OF 1.1 SQUARE FEET. ALL ATTACHING BOLTS AND SCREWS THAT ARE NOT GALVANIZED SHALL BE STAINLESS STEEL.
 - FINISH
 - THE POLES AND ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED, MINIMUM 3 MIL THICKNESS.
 - MAST ARM ATTACHMENT SHALL BE SECURED BY 3 BOLTS.
 - EACH POLE SHALL HAVE HANDHOLE (WITH COVER), GROUND LUG AND REMOVABLE POLE CAP.
 - EACH CITY POLE SHALL HAVE A BLACK "A" TO 6" LETTER C STENCILED ON ROADWAY SIDE OF POLE 16" ABOVE GRADE.
- ANCHORAGE
 - POLES SHALL BE ANCHORED WITH 4 BOLTS, 1"x3/8"x4" #BUNG WITH HOT DIPPED GALVANIZING AFTER THREADS ARE CUT. GALVANIZED AREA SHALL EXTEND FROM THREADED END FOR A MINIMUM OF 12 INCHES. BOLTS SHALL BE PROVIDED WITH 2 GALVANIZED NUTS AND FLAT WASHERS FOR LEVELING. SHIMS WILL NOT BE USED.
 - A NON-SHRINKING GROUT SHALL BE INSTALLED WITH ONE 1/2" DRAIN HOLE UNDER THE BASE PLATE AFTER THE ENGINEER HAS APPROVED THE POLE INSTALLATION.
 - CONDUIT
 - ALL CONDUIT SHALL BE BURIED A MINIMUM OF 24 INCHES DEEP. ALL ROADWAY CROSSINGS SHALL BE RIGID METALLIC OR SCHEDULE 80 PVC. CONDUIT SHALL CONFORM TO SECTION 9-29 OF WSDOT STANDARD SPECIFICATIONS. SCHEDULE 80 PVC MAY BE USED IN LOCATIONS OTHER THAN ROADWAY CROSSINGS.

CITY OF PUYALLUP

DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

STREET LIGHT SPECIFICATIONS

DATE: 01.05.01

(STR LIGHT SPECS CONTINUED)

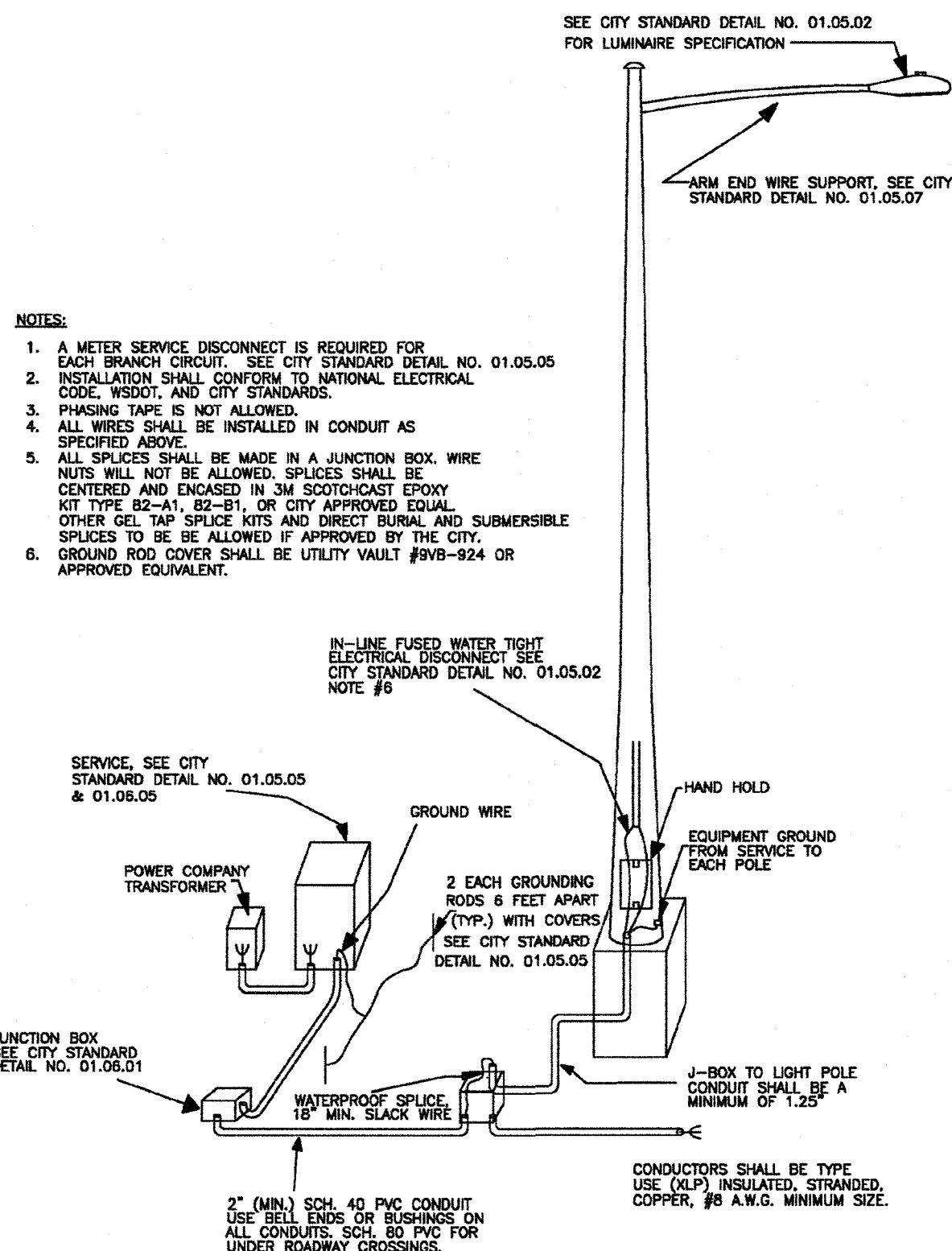
- JUNCTION BOXES (WHEN REQUIRED)
 - JUNCTION BOXES SHALL BE INSTALLED AT LOCATIONS AS SHOWN ON THE PLANS. THEY WILL CONFORM TO WSDOT STANDARD PLAN J-4010-02, TYPE 1. THEY SHALL BE LEVEL WITH THE SIDEWALK GRADE AND FIRMLY BEDDED TO PREVENT FUTURE SETTLING. JUNCTION BOXES ARE PREFERRED NOT TO BE INSTALLED IN THE SIDEWALK. THE COVER SHALL BE GALVANIZED AND GROUND. THE LETTERS "J" SHALL BE ETCHED ON THE COVER. (SEE CITY STANDARD DETAIL NO. 01.05.01) IF THE JUNCTION BOX IS NOT IN THE SIDEWALK THEN IT SHALL HAVE A CONCRETE COLLAR. IF THE JUNCTION BOX IS IN THE SIDEWALK THEN IT SHALL HAVE A NON-SLIP SURFACE TREATMENT. SEE CITY STANDARD DETAIL NO. 01.05.01.
 - CONDUCTORS, WIRES, ETC.
 - WIRE CONDUCTORS FOR UNDERGROUND FEEDER RUNS AND FOR CIRCUITRY FROM THE IN-LINE FUSE IN THE POLES TO THE JUNCTION BOX SHALL BE 600 VOLT, SINGLE CONDUCTOR STRANDED COPPER AND INSULATED WITH USE GRADE POLYVINYL CHLORIDE COMPOUND (CLP) OR APPROVED EQUAL, IN ACCORDANCE WITH THE INSULATED POWER CABLE ENGINEER'S ASSOCIATION SPECIFICATIONS. AN AMP NO. 8 GREEN INSULATED STRANDED COPPER WIRE WILL BE RUN TO THE SERVICE GROUND LUG ON EACH POLE. FEEDERS SHALL BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. WIRES INSIDE THE POLE BETWEEN BALLAST AND IN-LINE FUSES SHALL BE 600V AND 10 STRANDED POLE AND BRACKET WIRE OR APPROVED EQUAL. SPLICES WILL BE ALLOWED IN JUNCTION BOXES AND POLE BASES ONLY. NO MORE THAN 2 CONDUITS WILL BE ALLOWED INSIDE THE STREET POLE.
 - FUSES
 - LUMINAIRE FUSING AND ELECTRICAL CONNECTIONS AT LIGHT STANDARD BASES SHALL CONFORM TO SECTION 9-29.7 OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS AND AS SHOWN ON THE UNIFORM LUMINAIRE WIRING DETAIL IN THE APPENDIX. IN-LINE FUSE HOLDERS SHALL BE SEC. MODEL 1791-SF WITH FNM-5 FUSES OR APPROVED EQUAL. (REFER TO CITY STANDARD DETAIL NO. 01.05.01)
 - LUMINAIRES AND LAMPS
 - RESIDENTIAL STREET AND NEIGHBORHOOD COLLECTORS: LEDTUX LED C01-40E-WV-W-3-530 (87 WATT LED)
 - ARTISANAL AND COMMERCIAL COLLECTORS: GE EVOLVE LED ERS2-E-0-10C-DX-S-40 (130 WATT LED)
- THE CITY WILL ENERGIZE THE STREET LIGHTS WHEN A HOME IS OCCUPIED ADJACENT TO A STREET LIGHT OR IMMEDIATELY ACROSS THE STREET. AT THE DEVELOPER'S REQUEST, STREET LIGHTS MAY BE ENERGIZED PRIOR TO OCCUPANCY OF HOMES. HOWEVER, THE DEVELOPER OR BUILDER SHALL ASSUME FULL RESPONSIBILITY FOR ELECTRICAL POWER COSTS AND REPAIR COSTS DUE TO VANDALISM, THEFT, OR CONSTRUCTION.
- SAFE WIRING LABELS
 - THE CONTRACTOR IS ADVISED THAT SAFE WIRING LABELS REQUIRED BY LABOR AND INDUSTRIES SHALL APPLY ON THIS PROJECT. (ELECTRICAL INSPECTION STICKER)
 - WARRANTY
 - THE CONTRACTOR SHALL SURRENDER TO THE CITY OF PUYALLUP ANY WARRANTY OR WARRANTY ACQUIRED BY HIM AS A NORMAL TRADE PRACTICE IN CONNECTION WITH THE PURCHASE OF ANY MATERIALS OR ITEMS USED IN THE CONSTRUCTION OF THE ILLUMINATION.
 - LOCATION
 - SEE CITY STANDARD SECTION 01.01 ROADWAY DESIGN.

CITY OF PUYALLUP

DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

STREET LIGHT SPECIFICATIONS (CONT.)

DATE: 01.05.02

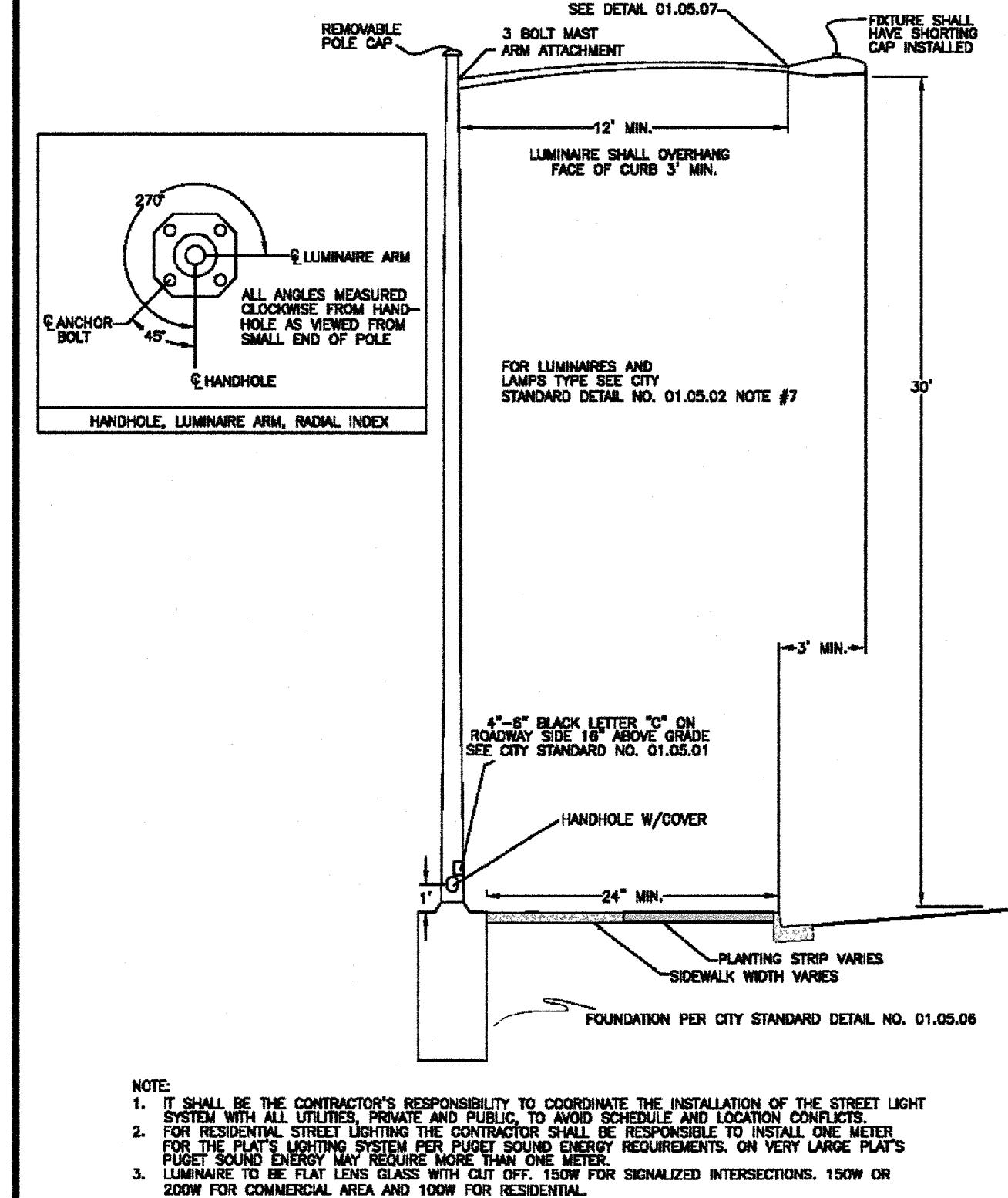


CITY OF PUYALLUP

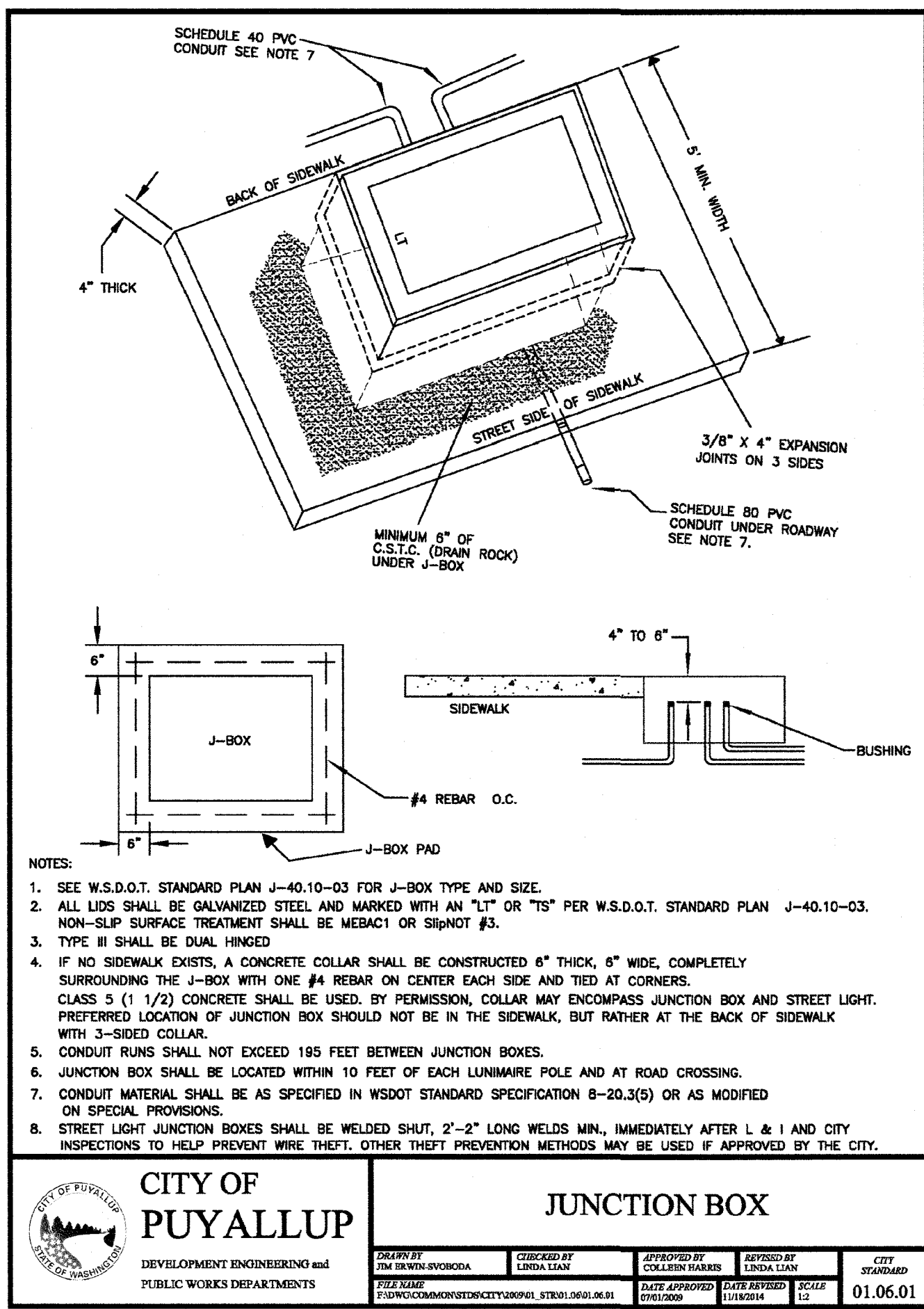
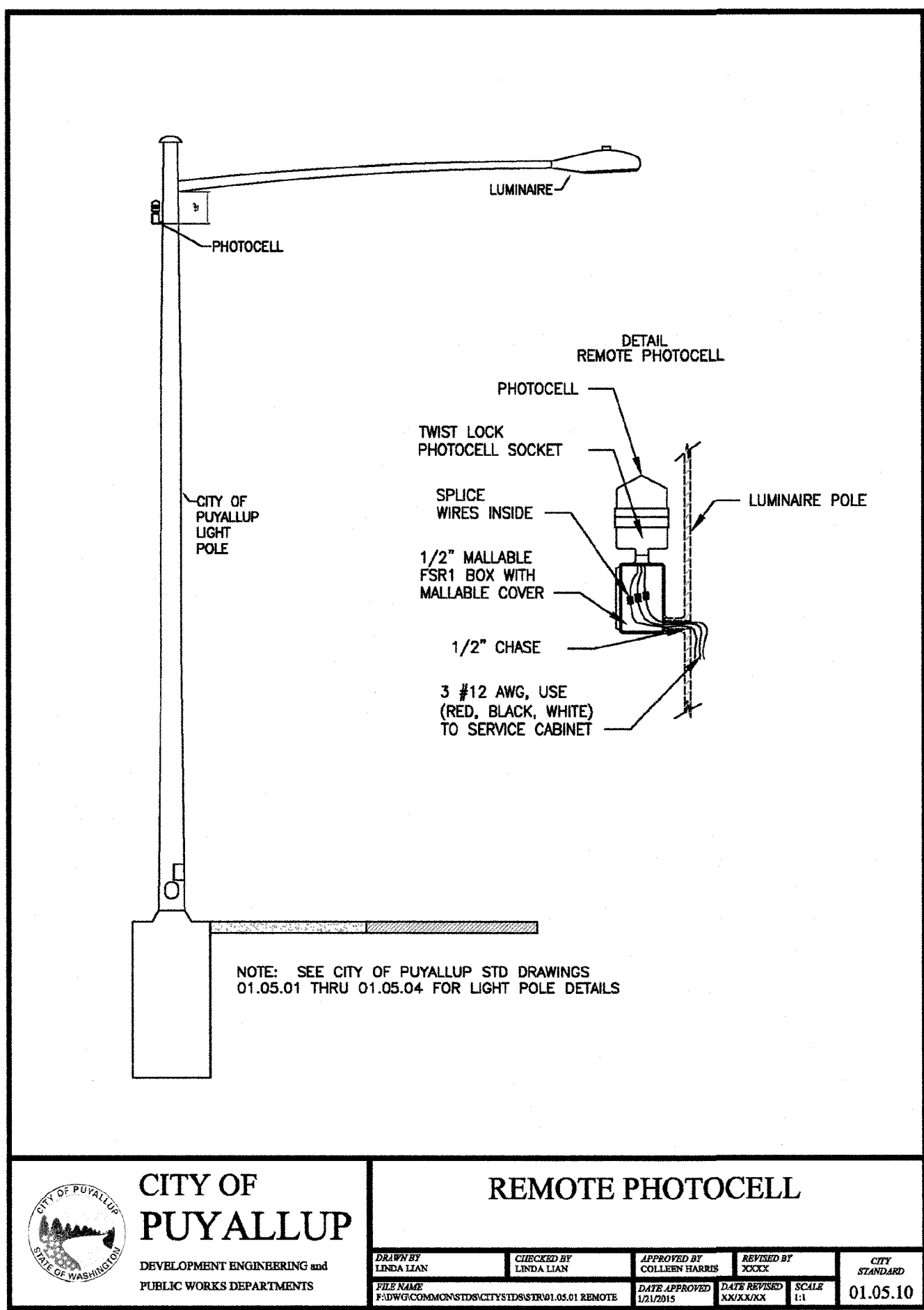
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

TYPICAL STREET LIGHT INSTALLATION

DATE: 01.05.03



Farris Short Plat
Section 29, Township 20 N, Range 4 E, Willamette Meridian, Pierce County, Washington



APPROVED

BY:

CITY OF PUYALLUP
ENGINEERING SERVICES

DATE: 3/16/2017

NOTE: THIS APPROVAL IS VOID
AFTER 1 YEAR FROM APPROVAL
DATE.
THE CITY WILL NOT BE
RESPONSIBLE FOR ERRORS AND/OR
OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE
CHANGES TO THESE PLANS AS
DETERMINED BY THE
ENGINEERING SERVICES
MANAGER.

Details - 4 of 4

Farris Short Plat
W. Stewart Ave. Improvements

Richard & Kathy Farris
2401 W Stewart
Puyallup, WA 98371
Phone 253.255.3413 Fax

DRAWING

S9

SHEET 9
OF 9

AZURE GREEN
CONSULTANTS

409 East Pioneer, Suite A - Puyallup, WA 98372
phone 253.770.3144 fax 253.770.3142

DESIGNED BY: RDB TRIVETT
DRAWN BY: RDB TRIVETT
CHECKED BY: JDB JDB
APPROVED BY: PAUL GARR

DATE: MAY 5, 2016

DESIGNED BY: RDB TRIVETT
DRAWN BY: RDB TRIVETT
CHECKED BY: JDB JDB
APPROVED BY: PAUL GARR

REVISION	DATE
1. Revised per 1st City Review.	12/1/16
2. Revised per 2nd City Review.	1/11/17
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