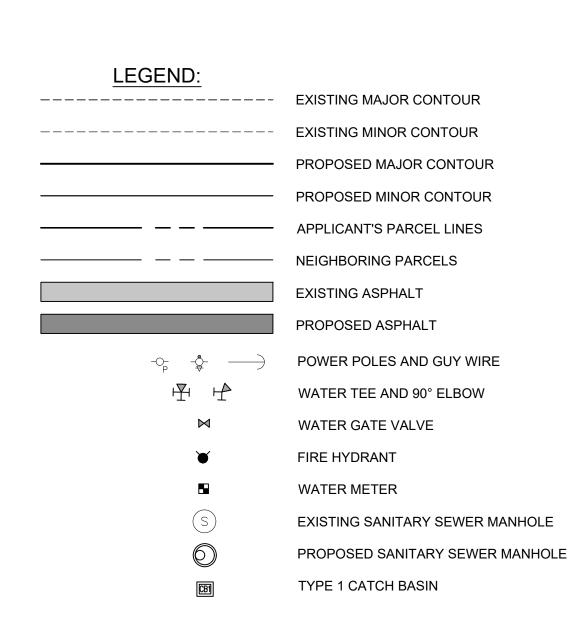
BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS FURNISHED BY OTHERS AND VERIFIED WHERE POSSIBLE BY FEATURES LOCATED IN THE FIELD. WESTSOUND ENGINEERING, ASSUMES NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS, OR FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO DESIGN.

### PAYSENO LANE APARTMENTS PHASE 2

### **COVER SHEET**

A PORTION OF SECTION 31, TOWNSHIP 24 NORTH, RANGE 2 EAST, W.M. KITSAP COUNTY, WASHINGTON



### SHEET INDEX

C1 - COVER SHEET C2 - BOUNDARY AND TOPOGRAPHIC SURVEY

C3 - SITE PLAN C4 - SWPPP

C5 - SWPPP NOTES AND DETAILS C6 - GRADING AND DRAINAGE PLAN

C7 - GRADING AND DRAINAGE PLAN C8 - CROSS-SECTIONS

C9 - DRAINAGE NOTES AND DETAILS

C10 - DRAINAGE NOTES AND DETAILS C11 - ROAD NOTES AND DETAILS

C12 - UTILITY PLAN

C13 - WATER NOTES AND DETAILS C14 - SANITARY SEWER NOTES AND DETAILS

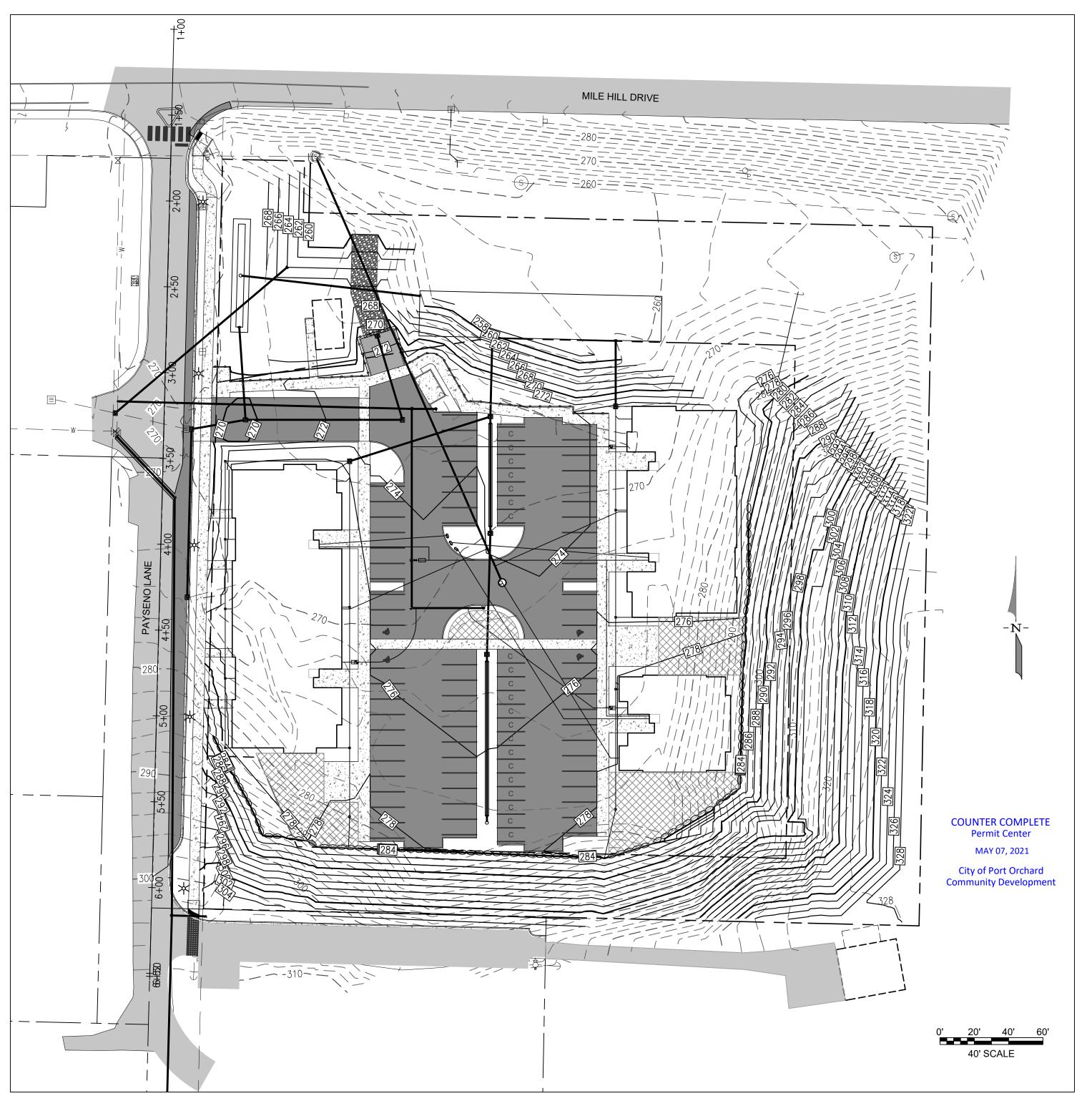
C15 - OFFSITE IMPROVEMENTS PLAN AND PROFILE

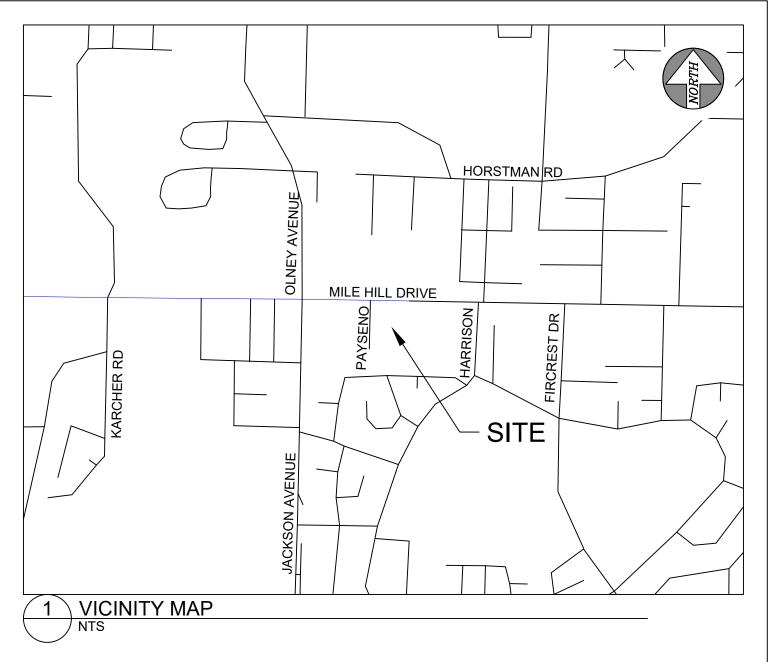
C16 - PAYSENO LANE CROSS-SECTIONS

SIDEWALKS SHALL BE CONSTRUCTED PRIOR TO ROADWAY PAVING.

### MONUMENT REMOVAL PERMIT PROCESS

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#### TAX PARCEL NUMBERS:

312402-2-003-2002 312402-2-016-2007

#### LEGAL DESCRIPTION:

THAT PORTION OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 31 TOWNSHIP 24 NORTH. RANGE 2 EAST,W.M., IN KITSAP COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS

QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 31, A DISTANCE OF 407.14 FEET TO THE SOUTHERLY RIGHT OF WAY OF STATE HIGHWAY NUMBER 160 (FORMERLY STATE HIGHWAY NUMBER 14) THENCE FOLLOWING SAID RIGHT OF WAY LINE WITH THE FOLLOWING COURSES, NORTH 88°41'14" WEST 366.64 FEET; THENCE NORTH 1°18'46" EAST 30.00 FEET; THENCE NORTH 88°41'14" WEST 47.77 FEET; THENCE LEAVE SAID RIGHT OF WAY LINE AND PROCEED SOUTH 1°28'15" WEST ALONG THE EAST LINE OF THE ABOVE MENTIONED PAYSENO LANE, A DISTANCE OF 130.09 FEET TO THE TRUE POINT OF BEGINNING.

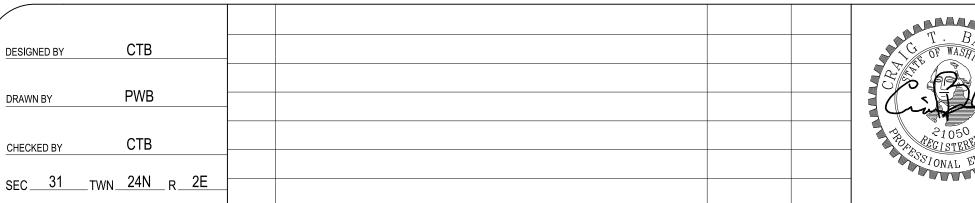
THAT PORTION OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 31, TOWNSHIP 24 NORTH, RANGE 2 EAST, W.M., IN KITSAP COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 31; THENCE SOUTH 88°36'51" EAST ALONG THE NORTH LINE OF SAID NORTHWEST QUARTER OF THE NORTHWEST QUARTER, A DISTANCE OF 660.00 FEET; THENCE SOUTH 1°28'15" WEST ALONG THE EAST LINE OF THE WEST 660 FEET OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 31, FOR A DISTANCE OF 155.75 FEET, SAID EAST LINE BEING ALSO THE CENTERLINE OF PAYSENO LANE, A COUNTY ROAD ACCORDING TO INSTRUMENT RECORDED UNDER AUDITOR'S FILE NO. 910262; THENCE SOUTH 88°37'48" EAST 30.00 FEET TO THE TRUE POINT OF BEGINNING ON THE EAST LINE OF THE AFORESAID PAYSENO LANE; THENCE NORTH 80°43'48" EAST 159.99 FEET; THENCE SOUTH 88°38'42" EAST 179.08 FEET; THENCE SOUTH 01°02'43" WEST 298.80 FEET; THENCE NORTH 88°38'48" WEST 284.86 FEET; THENCE NORTH 23°45'51" WEST 569.96 FEET; THENCE NORTH 88°31'45" WEST 29.34 FEET TO THE EAST LINE OF THE ABOVE MENTIONED PAYSENO LANE; THENCE ALONG SAID EAST LINE, NORTH 01°28'15" EAST 217.59 FEET TO THE TRUE POINT OF BEGINNING.

THE TOPOGRAPHIC INFORMATION SHOWN IS A BLEND OF KITSAP COUNTY LIDAR AND ELEVATION DATA OBTAINED THROUGH FIELD SURVEYS PERFORMED BY WESTSOUND ENGINEERING. ALL DATA PRESENTED IS BASED ON THE NAVD88

### **DATUM & BENCHMARKS:**

TOPOGRAPHY NOTE:

BM-2 PK NAIL BM-1 REBAR & CAP 1202320.95 N 1202330.84 N 199623.39 E 199344.20 E 302.29' ELEV 269.93' ELEV



**DESCRIPTION** 

DRAWN BY

### TITLEPAYSENO LANE APARTMENTS PHASE 2 **COVER SHEET**

DAVE BURK

DATE SEALED 4/28/2021

7583 CLOVER VALLEY ROAD SE PORT ORCHARD, WA 98367

360-340-6636

PW21-023 PW21-024



217 S.W. Wilkins Drive Phone (360) 876-3770 E-mail: wse@wsengineering.com

Port Orchard, Wa. 98366 Fax (360) 876-0439 http://www.wsengineering.com

JOB No. **2657** 

ONE-CALL (# 1-800-424-5555):
BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS FURNISHED BY OTHERS AND VERIFIED WHERE POSSIBLE BY FEATURES LOCATED IN THE FIELD. WESTSOUND ENGINEERING, ASSUMES NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS, OR FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO DESIGN.

## PAYSENO LANE APARTMENTS PHASE 2

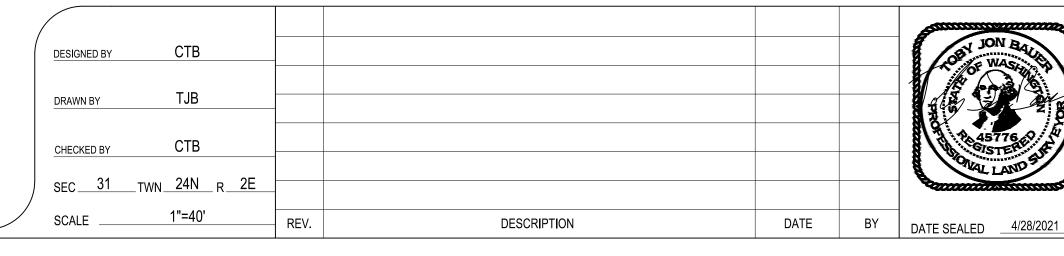
### BOUNDARY AND TOPOGRAPHIC SURVEY

A PORTION OF SECTION 31, TOWNSHIP 24 NORTH, RANGE 2 EAST, W.M. KITSAP COUNTY, WASHINGTON



### MONUMENT REMOVAL PERMIT PROCESS

NO SURVEY MONUMENT SHALL BE REMOVED OR DESTROYED (THE PHYSICAL DISTURBANCE OR COVERING OF A MONUMENT SUCH THAT THE SURVEY POINT IS NO LONGER VISIBLE OR READILY ACCESSIBLE) BEFORE A PERMIT IS OBTAINED FROM THE DEPARTMENT OF NATURAL RESOURCES (DNR), WAC 332-120-030(2) STATES "IT IS THE RESPONSIBILITY OF THOSE PERFORMING CONSTRUCTION WORK OR OTHER ACTIVITY (INCLUDING ROAD AND STREET RESURFACING PROJECTS) TO ADEQUATELY SEARCH THE RECORDS AND THE PHYSICAL AREA OF THE PROPOSED CONSTRUCTION WORK OR OTHER ACTIVITY FOR THE PURPOSE OF LOCATING AND REFERENCING ANY KNOWN OR EXISTING SURVEY MONUMENTS." CONSTRUCTION SHALL NOT COMMENCE UNTIL WAC OUTLINED IN CHAPTER 332-120 IS COMPLIED WITH.



TITLEPAYSENO LANE APARTMENTS PHASE 2 BOUNDARY AND TOPOGRAPHIC SURVEY

DAVE BURK

7583 CLOVER VALLEY ROAD SE

PORT ORCHARD, WA 98367

360-340-6636

217 S.W. Wilkins Drive Phone (360) 876-3770 E-mail: wse@wsengineering.com



Port Orchard, Wa. 98366 Fax (360) 876-0439 http://www.wsengineering.com

SHT **C2** OF **16** SHTS JOB No. **2657** 

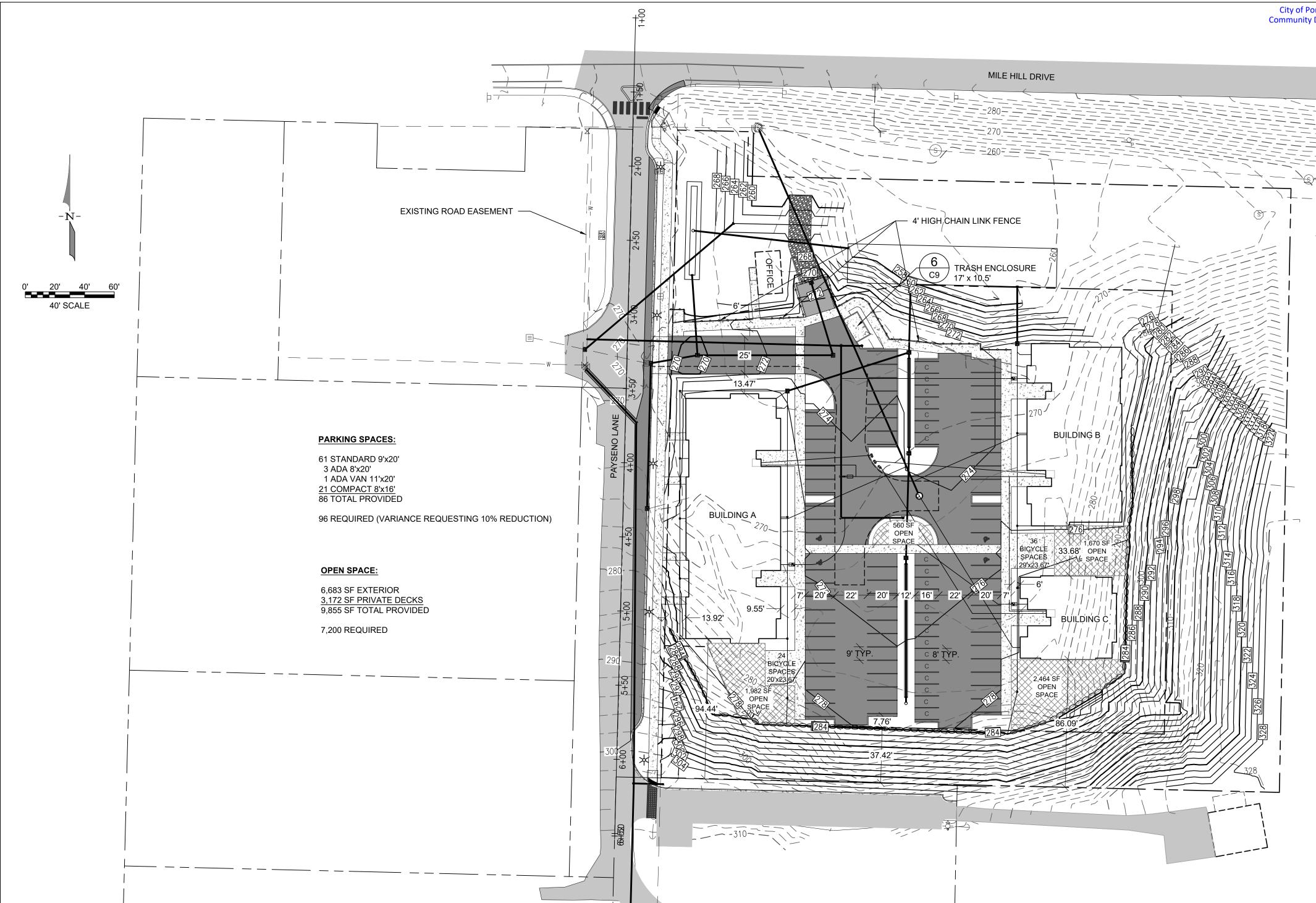
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# PAYSENO LANE APARTMENTS PHASE 2

SITE PLAN

**COUNTER COMPLETE** Permit Center MAY 07, 2021

City of Port Orchard Community Development



GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CURRENTLY ADOPTED WSDOT AND APWA SPECIFICATIONS AND PLANS, AND THE CITY OF PORT ORCHARD MUNICIPAL CODE. THE CURRENTLY ADOPTED CITY OF PORT ORCHARD DEVELOPER'S HANDBOOK, THE CURRENTLY ADOPTED SURFACE WATER DESIGN MANUAL AND THE CONDITIONS OF PRELIMINARY SUBDIVISION APPROVAL. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL CIVIL ENGINEER TO CORRECT ANY ERROR, OMISSION, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS, ALL CORRECTIONS SHALL BE AT NO ADDITIONAL COST OR LIABILITY TO THE CITY OF PORT ORCHARD. 2. THE DESIGN ELEMENTS WITHIN THESE PLANS HAVE BEEN REVIEWED ACCORDING TO THE PORT ORCHARD DESIGN STANDARDS. SOME ELEMENTS MAY HAVE BEEN OVERLOOKED OR MISSED BY THE CITY OF PORT ORCHARD CITY ENGINEER. ANY DEVIATION FROM ADOPTED STANDARDS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE CITY OF PORT ORCHARD CITY ENGINEER. PRIOR TO

3. APPROVAL OF THESE ENGINEERING PLANS SUCH AS FOR ROADS, GRADING, OR DRAINAGE DOES NOT CONSTITUTE AN APPROVAL OF ANY OTHER DESIGN (E.G., WATER, SEWER, GAS, ELECTRICAL, ETC.). 4. BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING MUST BE HELD BETWEEN THE CITY OF PORT ORCHARD PUBLIC WORKS DEPARTMENT, THE APPLICANT AND THE APPLICANT'S CONSTRUCTION REPRESENTATIVE.

5. PROOF OF LIABILITY INSURANCE SHALL BE SUBMITTED TO THE CITY OF PORT ORCHARD PRIOR TO THE PRECONSTRUCTION MEETING.

6. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN

CONSTRUCTION NOISE SHALL COMPLY WITH THE CURRENT POMC SECTION 9.24.050.

8. IT SHALL BE THE APPLICANT /CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL RIGHT-OF-WAY PERMITS AND CONSTRUCTION EASEMENTS NECESSARY BEFORE INITIATING OFF-SITE WORK WITHIN A CITY OF

9. FRANCHISED UTILITIES OR OTHER INSTALLATIONS THAT ARE NOT SHOWN ON THESE APPROVED PLANS ORCHARD PRIOR TO CONSTRUCTION.

10. THE VERTICAL DATUM SHALL BE NAVD 1988 AND THE HORIZONTAL DATUM SHALL BE NAD 1983 HARN STATE PLANE WASHINGTON NORTH FIPS 4601 FEET.

11. GROUNDWATER SYSTEM CONSTRUCTION SHALL BE WITHIN A RIGHT-OF-WAY OR APPROPRIATE DRAINAGE EASEMENT, BUT NOT UNDERNEATH THE ROADWAY SECTION.

12. ALL UTILITY TRENCHES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE CITY OF PORT ORCHARD STANDARDS.

13. ALL ROADWAY SUBGRADE SHALL BE BACKFILLED, COMPACTED TO 95% MAXIMUM DENSITY AND PREPARED FOR SURFACING IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 2-06.3. 14. OPEN CUTTING OF EXISTING ROADWAYS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE

CITY OF PORT ORCHARD CITY ENGINEER AND NOTED ON THESE APPROVED PLANS. ANY OPEN CUT SHALL BE RESTORED IN ACCORDANCE WITH THE CITY OF PORT ORCHARD STANDARD SPECIFICATIONS. 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE

PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. REFER TO "TRAFFIC CONTROL," OF THE WSDOT STANDARD SPECIFICATIONS SHALL APPLY IN ITS ENTIRETY. TRAFFIC CONTROL PLANS SHALL FOLLOW THE CURRENTLY ADOPTED MUTCD MANUAL AS APPLICABLE. TO PROTECT SIGNIFICANT TREES FROM THE IMPACTS OF THE PROPOSED DEVELOPMENT, THE APPLICANT SHALL PROVIDE THE BEST PROTECTION FOR SIGNIFICANT TREES PER THE REGULATIONS. AT A MINIMUM, ANY SIGNIFICANT TREES TO BE RETAINED SHALL BE FENCED TWO FEET OUTWARD FROM THE IDENTIFIED DRIP LINE. TREES THAT SUSTAIN DAMAGE DURING CONSTRUCTION SHALL BE REPLACED PURSUANT TO POMC. A REPRESENTATIVE OF THE CITY OF PORT ORCHARD DCD STAFF SHALL VERIFY PROTECTIVE FENCING PLACEMENT PER THIS CONDITION PRIOR TO ISSUANCE OF A NOTICE TO PROCEED FOR GRADING AND

CLEARING. THE CITY SHALL INSPECT FOR COMPLIANCE WITH THE TREE PLAN PRIOR TO A FINAL INSPECTION. THE INSPECTION SHALL ALSO EVALUATE THE CONDITION OF RETAINED TREES AND ANY AND ALL CORRECTIONS WILL BE REQUIRED TO BE COMPLETED PRIOR TO A FINAL INSPECTION AND RELEASE

OF ANY POST FINANCIAL GUARANTEES FOR THE SITE.

(ALSO REFER TO CITY OF PORT ORCHARD STANDARDS AND SPECIFICATIONS CHAPTER 8 STRUCTURES): 41. THESE PLANS ARE APPROVED FOR CONSTRUCTION OF THE STANDARD ROAD AND DRAINAGE

MPROVEMENTS ONLY. PLANS FOR STRUCTURES SUCH AS BRIDGES, VAULTS, AND RETAINING WALLS REQUIRE A SEPARATE REVIEW, APPROVAL AND BUILDING PERMIT BY THE CITY OF PORT ORCHARD DEPARTMENT OF COMMUNITY DEVELOPMENT PRIOR TO CONSTRUCTION.

42. ROCKERIES ARE CONSIDERED TO BE A METHOD OF BANK STABILIZATION AND EROSION CONTROL. ROCKERIES SHALL NOT BE CONSTRUCTED IN FILL CONDITIONS TO SERVE AS RETAINING WALLS. ALL ROCKERIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ROCK WALL CONSTRUCTION

GUIDELINES PUBLISHED BY THE ASSOCIATED ROCKERY CONTRACTORS. 43. MECHANICALLY STABILIZED EARTH, OR REINFORCED SOIL, WALLS SHALL BE DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN WASHINGTON STATE.

### **RECOMMENDED CONSTRUCTION SEQUENCE:**

44. CONDUCT A PRE-CONSTRUCTION MEETING WITH THE PUBLIC WORKS DEPARTMENT.

45. POST "NOTICE OF CONSTRUCTION ACTIVITY" SIGN WITH NAME AND PHONE NUMBER OF THE CESCL. 46. FLAG OR FENCE CLEARING LIMITS AND SIGNIFICANT TREES.

47. INSTALL CATCH BASIN PROTECTION, IF REQUIRED.

48. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S). 49. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).

50. CONSTRUCT SEDIMENT PONDS AND TRAPS.

51. GRADE AND STABILIZE CONSTRUCTION ROADS.

52. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DITCHES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.

53. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE CITY OF PORT ORCHARD STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.

54. RELOCATE SURFACE WATER CONTROLS AND EROSION CONTROL MEASURES, OR INSTALL NEW MEASURES TO ENSURE THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY OF PORT ORCHARD EROSION AND SEDIMENT CONTROL

55. COVER ALL AREAS THAT WILL BE IDLE FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, OR EQUIVALENT.

56. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN DAYS.

57. SEED OR SOD ANY AREAS TO REMAIN IDLE UNTIL SEED OR SOD IS ESTABLISHED.

58. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED, IF APPROPRIATE.

### MONUMENT REMOVAL PERMIT PROCESS

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4/28/2021

### TITLEPAYSENO LANE APARTMENTS PHASE 2

DAVE BURK

7583 CLOVER VALLEY ROAD SE PW21-023 PORT ORCHARD, WA 98367 PW21-024 360-340-6636



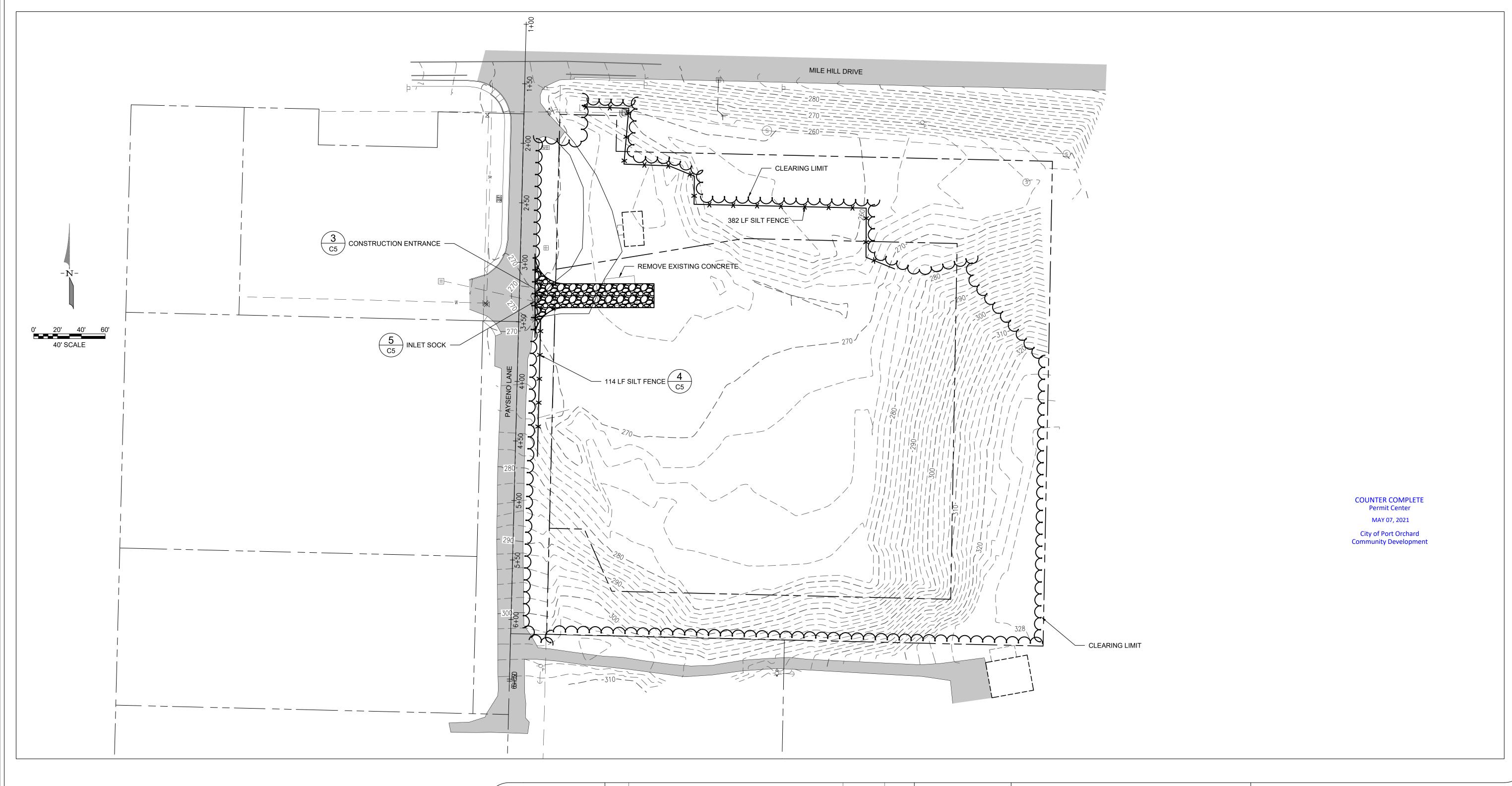
217 S.W. Wilkins Drive Phone (360) 876-3770 E-mail: wse@wsengineering.com

Port Orchard, Wa. 98366 Fax (360) 876-0439 http://www.wsengineering.com

SHT **C3** OF **16** SHTS JOB No. **2657** 

ONE-CALL (# 1-800-424-5555):
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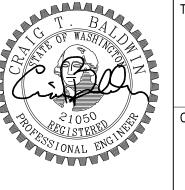
### PAYSENO LANE APARTMENTS PHASE 2 SWPPP



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4/28/2021

# TITLE PAYSENO LANE APARTMENTS PHASE 2

DAVE BURK 7583 CLOVER VALLEY ROAD SE PW21-023 PORT ORCHARD, WA 98367 PW21-024 360-340-6636

# WestSound Engineering, Inc ENGINEERING, PLANNING AND SURVEYING

217 S.W. Wilkins Drive Phone (360) 876-3770 E-mail: wse@wsengineering.com

Port Orchard, Wa. 98366 Fax (360) 876-0439 http://www.wsengineering.com

SHT **C4** OF **16** SHTS JOB No. **2657** 

(ALSO REFER TO CITY OF PORT ORCHARD STANDARDS AND SPECIFICATIONS CHAPTER 9 SURFACE WATER DRAINAGE):

27. APPROVAL OF THESE TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLANS DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.). 28. THE IMPLEMENTATION OF THESE TESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CESCL UNTIL ALL CONSTRUCTION IS APPROVED.

29. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THESE PLANS SHALL BE CLEARLY FLAGGED BY A CONTINUOUS LENGTH OF SURVEY TAPE (OR FENCING, IF REQUIRED) PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/CESCL FOR THE DURATION OF CONSTRUCTION.

30. STABILIZED CONSTRUCTION ENTRANCES, IN ACCORDANCE WITH STANDARD DETAILS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK-OUT TO STREET RIGHT-OF- WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.

31. THE TESC FACILITIES SHOWN ON THESE PLANS MUST BE CONSTRUCTED PRIOR TO ALL CLEARING AND GRADING TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS REDUCED TO REQUIRED LEVELS.

32. THE TESC FACILITIES SHOWN ON THESE PLANS ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, ADDITIONAL PERIMETER PROTECTION, ETC.), AS DIRECTED BY THE CITY ENGINEER. 33. THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CESCL AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS

OF THE TESC FACILITIES AND OF SAMPLES TAKEN DURING THE WET SEASON (OCTOBER 1 TO APRIL 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPTEMBER 30). 34. ANY AREAS OF EXPOSED SOILS. INCLUDING ROADWAY EMBANKMENTS. THAT WILL NOT BE DISTURBED

FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED TESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).

35. ANY AREA NEEDING TESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS. 36. THE TESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE

A MONTH OR WITHIN TWENTY-FOUR (24) HOURS FOLLOWING A STORM EVENT. 37. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO FINAL INSPECTION. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO A

DOWNSTREAM SYSTEM. 38. ANY PERMANENT FLOW CONTROL FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE

ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY. 39. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2 TO 3 INCHES.

TEMPORARY FACILITY MUST BE GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE (3) FEET

40. PRIOR TO THE BEGINNING OF THE WET SEASON (OCTOBER 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH AREAS CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. - A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE CITY OF PORT ORCHARD CITY ENGINEER. THE INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS. ADJACENT PROPERTIES. OR DRAINAGE FACILITIES.

### EROSION AND SEDIMENT CONTROL NOTES

# PAYSENO LANE APARTMENTS PHASE 2

### SWPPP NOTES AND DETAILS

### TESC MAINTENANCE REQUIREMENTS:

EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND DAILY DURING PROLONGED RAINFALL.

2. NECESSARY REPAIRS OR REPLACEMENT OF FACILITIES SHALL BE ACCOMPLISHED PROMPTLY

3. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT OR WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE MAXIMUM POTENTIAL DEPTH.

4. SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE ESC FACILITIES ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

OWNER REP:

CITY,STATE,ZIP:

ADDRESS:

PHONE:

5. TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL BE MAINTAINED BY

OWNER: DAVE BURK NAME: DAVE BURK ADDRESS: 7583 CLOVER VALLEY ROAD SE CITY, STATE, ZIP: PORT ORCHARD, WA 98367 PHONE: 360-340-6636

12 TESC MAINTENANCE REQUIREMENTS

# AS REQUIRED 100' MIN. EXCEPT MAY BE REDUCED TO 50' MIN FOR SITES WITH LESS THAN 1 ACRE OF **EXPOSED SOIL** -20' MIN. PROVIDED ACROSS FULL WIDTH OF INGRESS/EGRESS AREA

### NOTES:

SEPARATION GEOTEXTILE (MARAFI 180N) SHALL BE PLACED UNDER THE SPALLS TO PREVENT FINE SEDIMENT FROM PUMPING INTO THE ROCK PAD.

2. INSTALL ON FIRM COMPACTED SUBGRADE WHERE ABLE.

3. REFRESH SPALLS AS NEEDED TO MAINTAIN ENTRANCE IN ACCORDANCE WITH THIS DETAIL

4. ANY SEDIMENT TRANSPORT OUTSIDE OF SITE AND ENTRANCE SHALL BE REMOVED AND THE AREA SWEPT FREE OF SEDIMENT.

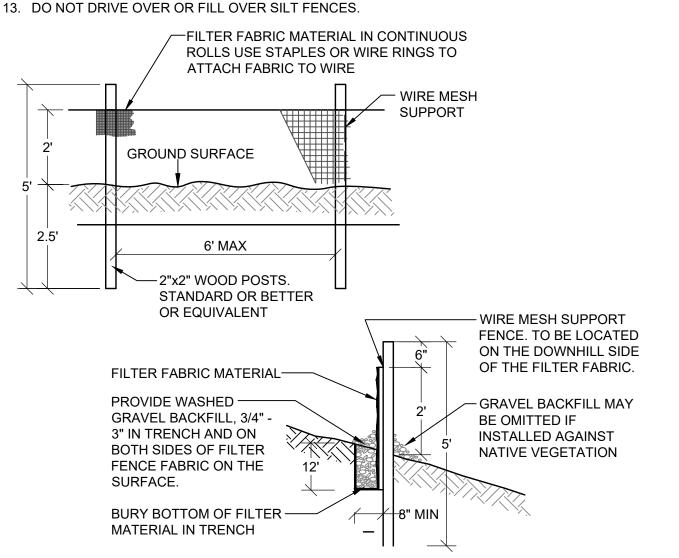
5. LOOSE SPALLS THAT ARE TRANSPORTED OR DISPLACED TO ROADWAY SHALL BE COLLECTED AND RETURNED TO THE SITE.

6. NO ACCESS POINTS NOT PROVIDED WITH A CONSTRUCTION ENTRANCE SHALL BE USED DURING THE CONSTRUCTION ACTIVIY. PROVIDE FENCING TO RESTRICT ACCESS IF NEEDED.

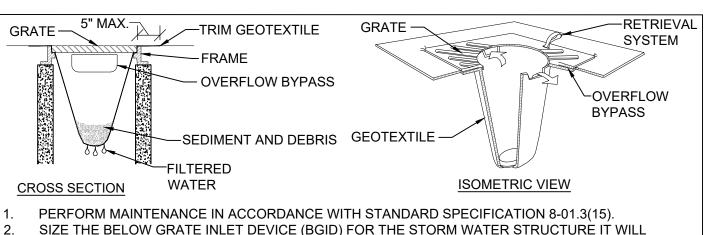
3 \ TEMPORARY CONSTRUCTION ENTRANCE

#### **SILT FENCE NOTES:**

- FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS, WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED. TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY FASTENED AT BOTH ENDS TO POSTS
- POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30 INCHES).
- A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UP SLOPE FROM THE BARRIER. THIS TRENCH SHALL BE BACKFILLED WITH WASHED GRAVEL.
- WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UP SLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST I INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL
- GROUND SURFACE. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING IS USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ABOVE NOTES APPLYING.
- FILTER FABRIC FENCES SHALL NOT BE REMOVED BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
- FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SILT FENCES WILL BE INSTALLED PARALLEL TO ANY SLOPE CONTOURS.
- CONTRIBUTING LENGTH TO FENCE WILL NOT BE GREATER THAN 100 FEET.
- 11. DO NOT INSTALL BELOW AN OUTLET PIPE OR WEIR.
- 12. INSTALL DOWN SLOPE OF EXPOSED AREAS.



 $^{\prime}$  4  $^{\setminus}$  SILT FENCING DETAIL



THE BGID SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS). THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BGID WITHOUT SPILLING THE COLLECTED MATERIAL

DATE SEALED \_\_\_\_4/28/2021

 ${f ackslash}$   ${f ackslash}$  INLET PROTECTION SOCK DETAIL

**COUNTER COMPLETE Permit Center** MAY 07, 2021

City of Port Orchard Community Development

CTB DESIGNED BY PWB DRAWN BY CTB SEC 31 TWN 24N R 2E

**DESCRIPTION** 

TITLE PAYSENO LANE APARTMENTS PHASE 2 SWPPP NOTES AND DETAILS

PORT ORCHARD, WA 98367

360-340-6636

DAVE BURK 7583 CLOVER VALLEY ROAD SE PW21-023

PW21-024

WestSound Engineering, Inc

217 S.W. Wilkins Drive Phone (360) 876-3770 E-mail: wse@wsengineering.com

Port Orchard, Wa. 98366 Fax (360) 876-0439 http://www.wsengineering.com

JOB No. **2657** 

SHT <u>C5</u> OF <u>16</u> SHTS

#### PAYSENO LANE APARTMENTS PHASE 2 GRADING AND DRAINAGE PLAN MILE HILL DRIVE BIOFILTRATION SWALE #3 16' WIDE GATE PER WSDOT STANDARD PLAN L-30.10-02 -CB#4, TYPE 1, SOLID LID -CB#3, TYPE RIM=273.24' RIM=272.69' 4' HIGH CHAIN LINK FENCE PER WSDOT STANDARD PLAN L-20.10-03, IE=269.38, 8"Ø, S IE=268.42, 8"Ø, N IE=269.38, 12"Ø, W IE=269.38, 12"Ø, N IE=268.94, 8"Ø, S IE=268.42, 12"Ø, W TRASH ENCLOSYRE C9 17' x 10.5' 8 / 141.03'x26.25' R-TANK 1-6 C10 C10 RIM=269.50' IE=264.50, 8"Ø, E - IE=254' IE‡266.59, 12"Ø, W RETAINING WALL FOOTING DRAINS IÉ=270.00, 12"Ø, N **Permit Center** CB#11, TYPE1, SOLID LID-IE=263.50, 12"Ø, NE City of Port Orchard **Community Development** 273.12 273.21 91LF 1⁄2"Ø CPEP @ 2.<mark></mark>0% 273.68' -273.24' 274.08' NO CURB INSTALL WHEEL STOPS EXISTING CB -YARD DRAIN TABLE RIM ELEV. 264.60 IE(E) ELEV. 262.16 RIM 273.12' <u>IE</u> 272.07' 273.21' IE(S) ELEV. 262.20 IE(W) ELEV. 262.04 4LF 8"Ø PVC @ 1.0% 275.51' 274.50' 276.50' 275.40 72 LF 8"Ø PVC @1.0% 277.97' 276.60' REMOVE EXISTING CB 278.00' 277.00' AND PLUG PIPE 276.59' 275.27' RIM=269.97' 277.11' 276.09' CB#7, TYPE 1 IE=265.00' 278.40' 276.85' RIM=275.18' 275.03' 274.00' CB#1, TYPE 1-IE=271.35, 12"Ø, E 275.70' 274.63' REPLACE EXISTING CB −274.20**'**× **FOOTING DRAIN** 277.89' 276.80' 274.69'¬ RIM=269.91' 278.57' 5, TYPE 1, SOLID LID 277.50' IE=266.91, 12"Ø, S IE=266.91, 12"Ø, E BIOFILTRATION SWALE #2 E=269.46, 12"Ø, S E=269.4<u>6, 8"Ø, N</u> END WALL TOP=278.0' BOTTOM=276.0' F 8"Ø PVC @ 1.0% BUILDING B FFE=275.3' **BUILDING A** 274.30' FFE=276.8' 274.33'— 274.73'— 20' SCALE WestSound Engineering, Inc ENGINEERING, PLANNING AND SURVEYING TITLE PAYSENO LANE APARTMENTS PHASE 2 CTB DESIGNED BY GRADING AND DRAINAGE PLAN PWB DRAWN BY 217 S.W. Wilkins Drive Port Orchard, Wa. 98366 DAVE BURK CTB Phone (360) 876-3770 Fax (360) 876-0439 7583 CLOVER VALLEY ROAD SE E-mail: wse@wsengineering.com http://www.wsengineering.com

DESCRIPTION

SEC 31 TWN 24N R 2E

PW21-023

PW21-024

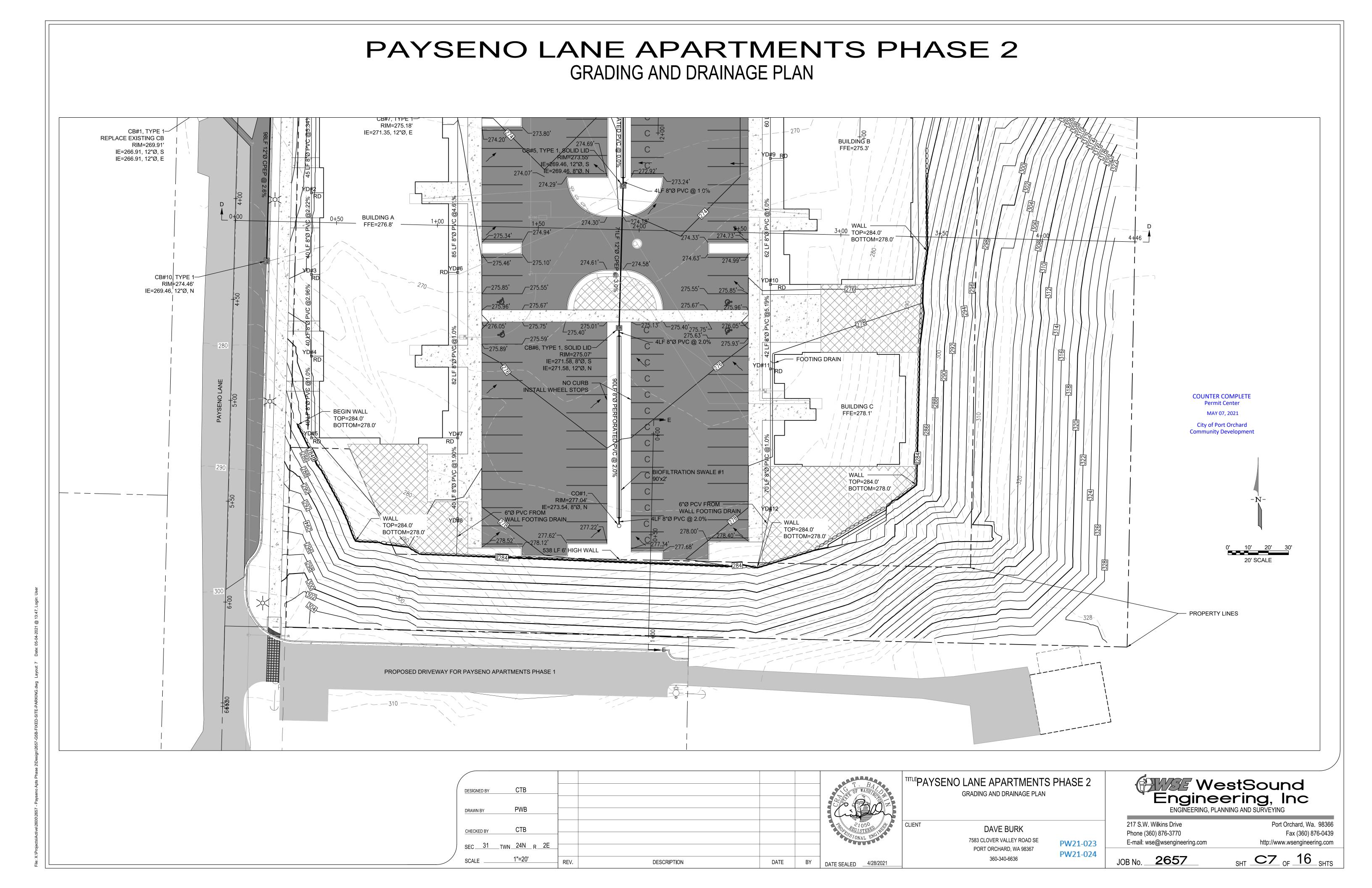
JOB No. **2657** 

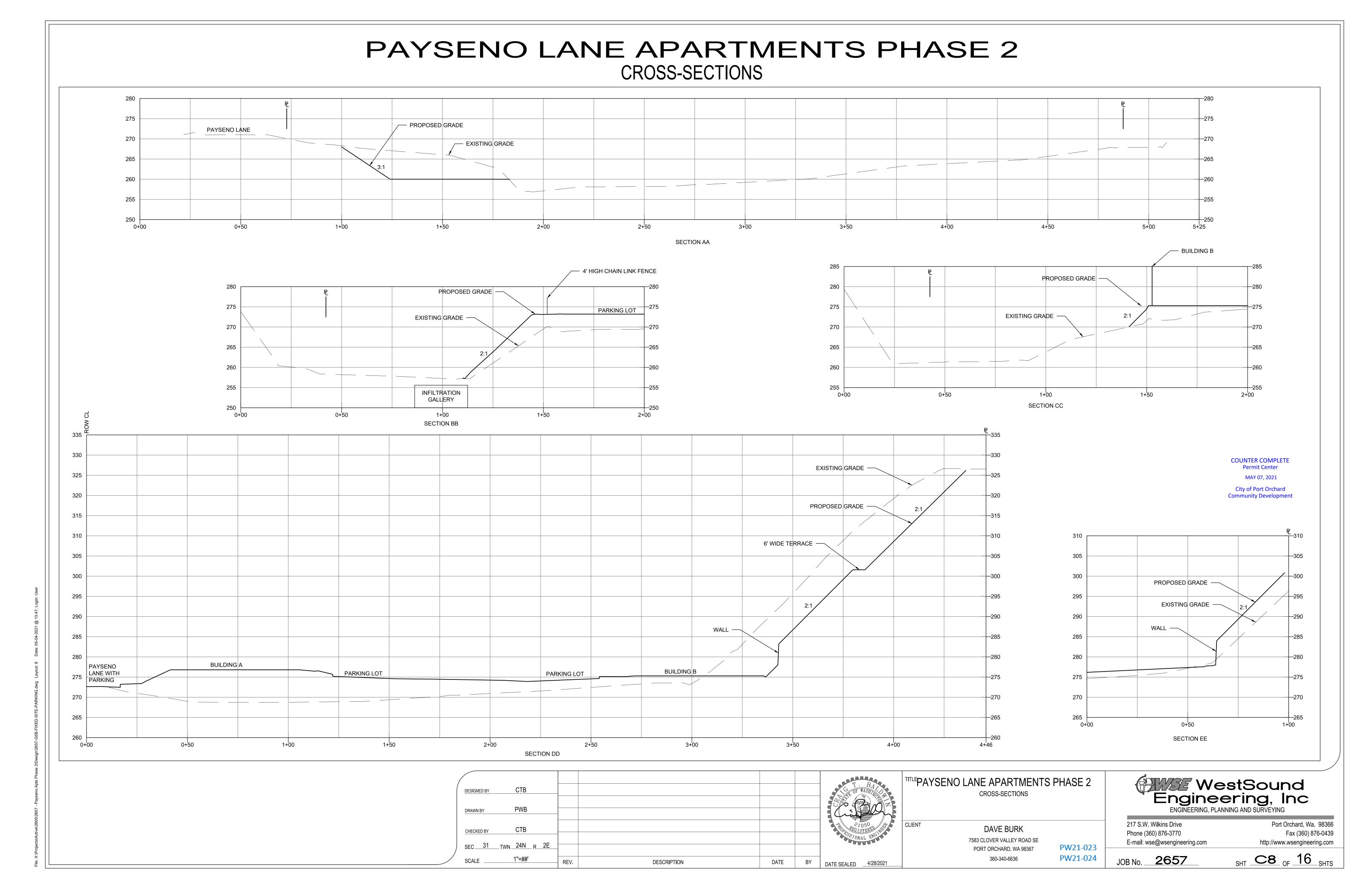
SHT **C6** OF **16** SHTS

PORT ORCHARD, WA 98367

360-340-6636

DATE SEALED 4/28/2021





NOTES:

1. CATCH BASINS SHALL BE

OR NOTED IN THE STANDARD

SPECIFICATIONS.

KNOCKOUTS.

CONSTRUCTED IN ACCORDANCE WITH

UNLESS OTHERWISE SHOWN ON PLANS

2. AS AN ACCEPTABLE ALTERNATIVE

HAVING A MIN. AREA OF 0.12 SQUARE

WELDED WIRE FABRIC SHALL COMPLY

TO ASTM A497 (AASHTO M 221). WIRE

3. ALL REINFORCED CAST-IN-PLACE

HAVE A WALL THICKNESS OF 2" MIN. ALL

PIPE SHALL BE INSTALLED IN FACTORY

KNOCKOUTS NEED NOT BE GROUTED IF

5. KNOCKOUTS OR CUTOUTS SHALL

6. ROUND KNOCKOUTS MAY BE ON ALL 4 SIDES, WITH MAX. DIAM. OF 20". KNOCKOUTS MAY BE EITHER ROUND OR

THE TAPER ON THE SIDES OF THE

CATCH BASIN FRAME AND GRATE

PRECAST BASE SECTION AND RISER

SECTION SHALL NOT EXCEED 1/2"/FT.

SHALL BE IN ACCORDANCE WITH

STANDARD DETAILS "THRU CURB

FRAME AND GRATE" OR "THRU CURB

FRAME AND VANED GRATE". MATING SURFACES SHALL BE FINISHED TO

ASSURE NON-ROCKING FIT WITH ANY

9. NON CONCRETE PIPES SHALL BE

INSTALLED WITH A SANDCOLLAR.

PROVIDED KNOCKOUTS. UNUSED

4. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL

WALL IS LEFT INTACT.

BE PER MANUFACTURERS

SPECIFICATIONS.

COVER POSITION.

TO REBAR, WELDED WIRE FABRIC

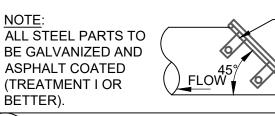
INCHES PER FOOT MAY BE USED.

FABRIC SHALL NOT BE PLACED IN

ASTM C478 (AASHTO M 199) & C890

### (MEASUREMENT AT THE TOP OF THE BASE

2 TYPE 1 CATCH BASIN

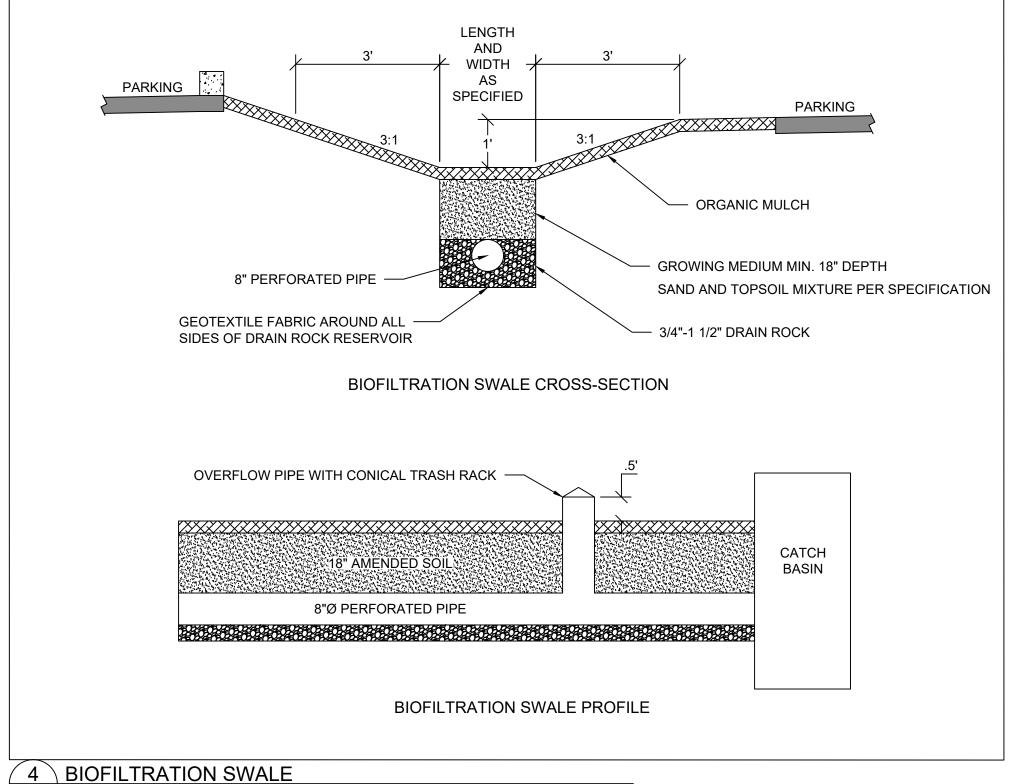


STRIPS **UNIFORMLY** SPACED AND WELDED TO 3/4"Ø FRAME



# PAYSENO LANE APARTMENTS PHASE 2

### DRAINAGE NOTES AND DETAILS



NDS #1242, #1243 & #1245 UNIVERSAL --- NDS #1266 OR #1889 UNIVERSAL LOCKING OUTLET TWIST LOCK INTO POSITION AT ANY KNOCK OUT. LOCKING OUTLET TWIST LOCK INTO POSITION AT ANY KNOCK OUT. PERFORATIONS FITS 6" OR 8" SOLID FITS 3" & 4" SOLID/ WALL OR 6" OR 8" WALL OR 6" **CORRUGATED PIPE** CORRUGATED PIPE. NDS ADAPTERS THAT FIT THIS BASIN ARE AS FOLLOWS. #1242, #1243, #1245, #1266 & #1889. USE #1206 IF PLUGGING AN OUTLET PERFORATIONS ON NON OPEN SIDES AND BTM. TO BE CUT OUT WHEN ADDING EXTRA OUTLETS.

CTB

PWB

CTB

REV.

**DESCRIPTION** 

SEC 31 TWN 24N R 2E

DRAWN BY

TITLEPAYSENO LANE APARTMENTS PHASE 2 DRAINAGE NOTES AND DETAILS

DAVE BURK

DATE SEALED \_\_\_4/28/2021

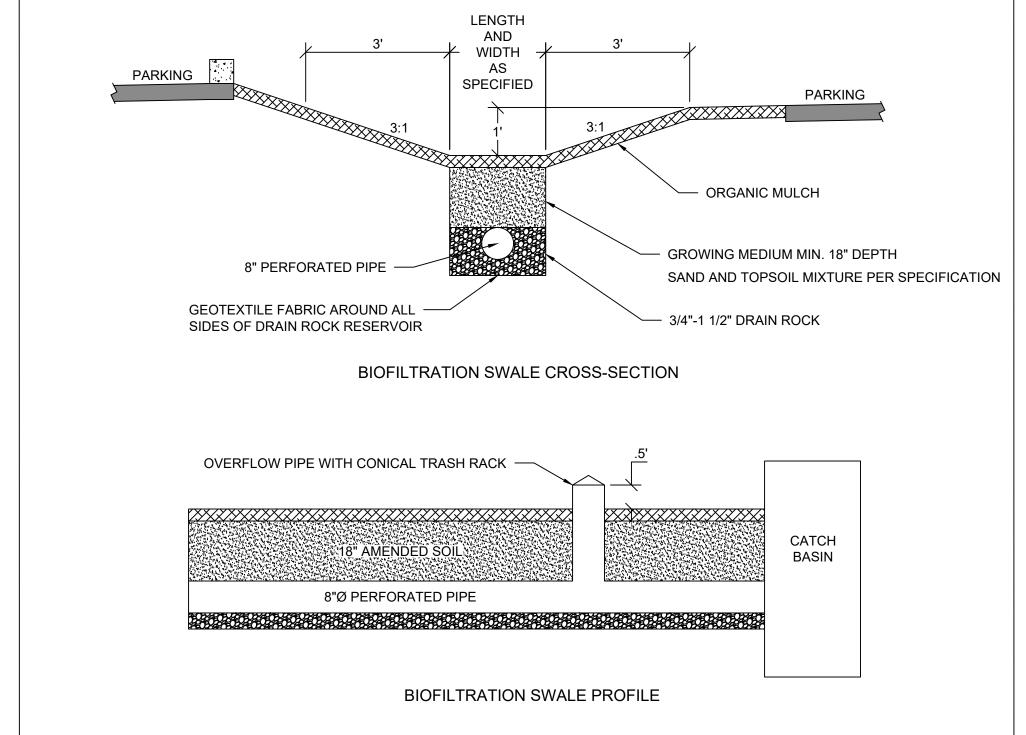
7583 CLOVER VALLEY ROAD SE PW21-023 PORT ORCHARD, WA 98367 PW21-024 360-340-6636

# WestSound Engineering, Inc

217 S.W. Wilkins Drive Phone (360) 876-3770 E-mail: wse@wsengineering.com

Port Orchard, Wa. 98366 Fax (360) 876-0439 http://www.wsengineering.com

SHT **C9** OF **16** SHTS JOB No. **2657** 



C. PIPE MATERIAL SHALL BE IN ACCORDANCE WITH PORT ORCHARD DESIGN STANDARDS. IF NON-METALLIC, THE PIPE SHALL CONTAIN A WIRE OR USE OTHER ACCEPTABLE MEANS OF DETECTION. D. DRAINAGE EASEMENTS ARE REQUIRED FOR DRAINAGE SYSTEMS DESIGNED TO CONVEY FLOWS THROUGH INDIVIDUAL LOTS. E. THE APPLICANT/CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS OF ALL STUB OUT CONVEYANCE LINES WITH RESPECT TO OTHER UTILITIES (E.G., POWER, GAS, TELEPHONE, TELEVISION, F. ALL INDIVIDUAL STUB-OUTS SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE LOT HOMEOWNER.

USE. EACH OUTLET SHALL HAVE FREE-FLOWING, POSITIVE DRAINAGE TO AN

(ALSO REFER TO CITY OF PORT ORCHARD STANDARDS AND SPECIFICATIONS CHAPTER 9 SURFACE

THE TRENCH BOTTOM. THE TOP OF THE FOUNDATION MATERIAL AND ANY REQUIRED BEDDING TO A

ORCHARD DESIGN AND CONSTRUCTION STANDARDS. THIS SHALL INCLUDE LEVELING AND COMPACTING

17. ALL STORM PIPE SHALL BE SUBJECT TO A LOW-PRESSURE AIR TEST IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 7-04.3(1)F AND A VIDEO INSPECTION IN ACCORDANCE WITH THE PORT

18. STORM PIPE COVER, MEASURED FROM THE FINISHED GRADE ELEVATION TO THE TOP OF THE OUTSIDE

SURFACE OF THE PIPE, SHALL BE 2 FEET MINIMUM, UNLESS AUTHORIZED BY THE CITY OF PORT ORCHARD

A. UNDER DRIVEWAYS THE PIPE COVER MAY BE REDUCED TO 1 FOOT MINIMUM IF THE 2-FEET CANNOT BE ACHIEVED AND THE COVER IS CONSISTENT WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS. B. IN AREAS NOT SUBJECT TO VEHICULAR LOADS, SUCH AS LANDSCAPE PLANTERS AND YARDS, THE PIPE

C. IF DUCTILE IRON PIPE OR C900 PIPE IS USED, THE PIPE COVER MAY BE REDUCED TO 1 FOOT MINIMUM.

19. STEEL PIPE SHALL BE GALVANIZED AND HAVE ASPHALT TREATMENT #1 OR BETTER INSIDE AND OUT

RUNOFF AND NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK SHALL HAVE A SOLID LOCKING LID. ANY DRAINAGE STRUCTURE ASSOCIATED WITH A PERMANENT RETENTION/DETENTION FACILITY, NOT

MANAGEMENT MANUAL AND THE WSDOT STANDARD PLANS WHEN LOCATED WITHIN THE RIGHT OF-WAY.

SUMP CONDITION OR BEFORE AN INTERSECTION WITH A 4% GRADE OR ABOVE. A HERRINGBONE GRATE

MAXIMUM CATCH BASIN HEIGHT FROM FINISHED GRADE TO PIPE INVERT SHALL BE PER THE APPLICABLE

22. FOR ANY CURB GRADE LESS THAN 0.8% (0.0080 FT/FT), INCLUDING CURB RETURNS, A PROFESSIONAL LAND SURVEYOR, CURRENTLY LICENSED IN THE STATE OF WASHINGTON, SHALL VERIFY THAT THE CURB FORMS OR STRING LINES ARE AT THE GRADES NOTED ON THE APPROVED PLANS PRIOR TO PLACEMENT

23. FOR ANY DRAINAGE PIPE GRADE LESS THAN 0.5% (0.0050 FT/FT), A PROFESSIONAL LAND SURVEYOR,

CURRENTLY LICENSED IN THE STATE OF WASHINGTON, SHALL VERIFY THAT THE AS-BUILT PIPE MATCHES

24. ALL DRIVEWAY CULVERTS LOCATED WITHIN THE CITY OF PORT ORCHARD RIGHT-OF-WAY SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 3:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE

BOTTOM OF THE DITCH. CULVERTS SHALL HAVE BEVELED END SECTIONS TO MATCH THE SIDE SLOPE.

MUST PASS THE 8" SIEVE, 40% MAXIMUM CAN PASS THE 3" SIEVE AND 10% MAXIMUM CAN PASS THE 3/4

A. EACH OUTLET SHALL BE SUITABLY LOCATED AT THE LOWEST ELEVATION ON THE LOT TO SERVICE ALL

SURFACE OR SUBSURFACE DRAINS NECESSARY TO RENDER THE LOTS SUITABLE FOR THEIR INTENDED

B. OUTLETS ON EACH LOT SHALL BE LOCATED WITH A FIVE-FOOT-HIGH, 2" X 4" STAKE MARKED "STORM"

OR "DRAIN". THE STUB-OUT SHALL EXTEND ABOVE SURFACE LEVEL, BE VISIBLE, AND BE SECURED TO THE

**COUNTER COMPLETE** 

**Permit Center** 

MAY 07, 2021

City of Port Orchard

Community Development

25. ROCK FOR EROSION PROTECTION OF DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF ONE FOOT (1'), AND MUST MEET THE FOLLOWING SPECIFICATIONS: 100%

26. DRAINAGE OUTLETS (STUB-OUTS) SHALL BE PROVIDED FOR EACH INDIVIDUAL LOT, EXCEPT FOR THOSE LOTS APPROVED FOR INFILTRATION BY THE CITY OF PORT ORCHARD. STUB-OUTS SHALL

FUTURE ROOF DOWNSPOUTS AND FOOTING DRAINS, DRIVEWAYS, YARD DRAINS, AND ANY OTHER

APPROVED STORMWATER CONVEYANCE SYSTEM OR TO AN APPROVED OUTFALL LOCATION.

AND SHALL INCLUDE A COMBINATION INLET FRAME (OPEN-CURB-FACE FRAME), WHEN LOCATED IN A

MAY BE USED OUTSIDE THE RIGHT-OF-WAY. ALL CATCH BASINS WITHIN THE GUTTER LINE SHALL BE

INSTALLED IN ACCORDANCE WITH THE CITY OF PORT ORCHARD STANDARD DETAILS AS APPLICABLE.

20. ANY DRAINAGE STRUCTURE, SUCH AS A CATCH BASIN OR A MANHOLE, NOT RECEIVING SURFACE

21. ALL CATCH BASIN GRATES SHALL CONFORM TO THE CURRENTLY ADOPTED STORMWATER

OF CONCRETE. THE CONTRACTOR IS RESPONSIBLE FOR SURVEY COORDINATION AND COSTS.

THE GRADES NOTED ON THE APPROVED PLANS PRIOR TO COMPLETION OF SUBGRADE. THE

CONTRACTOR IS RESPONSIBLE FOR SURVEY COORDINATION AND COSTS

16. ALL STORM PIPE AND APPURTENANCES SHALL BE LAID IN ACCORDANCE WITH CITY OF PORT

UNIFORM GRADE SO THAT THE ENTIRE DRAINAGE FACILITY IS

SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.

CITY ENGINEER UNDER THE FOLLOWING CIRCUMSTANCES:

RECEIVING SURFACE RUNOFF, SHALL HAVE A SOLID LOCKING LID.

COVER MAY BE REDUCED TO 1 FOOT MINIMUM.

(WSDOT STANDARD SPECIFICATION 9-05.4(3)).

ORCHARD DESIGN STANDARDS.

6 DRAINAGE NOTES

CONFORM TO THE FOLLOWING:

STAKE.

5 NDS 12" SQ YARD DRAIN

BETTER).

-4 EA. 1/4"x2"x5"

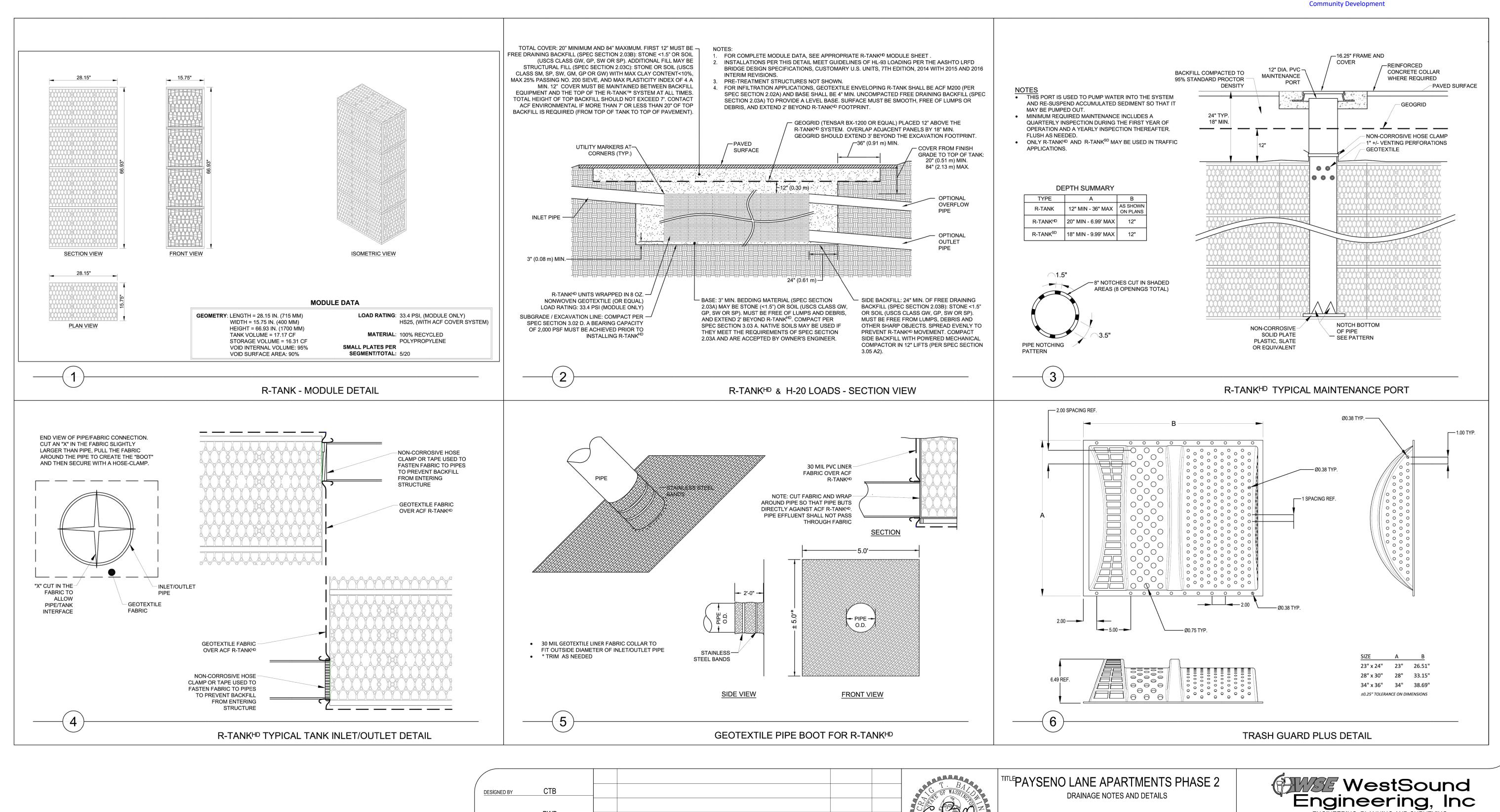
-WELD ENDS TO FRAME —3/4"Ø BARS WITH 3"

3 TRASH RACK DETAIL

# PAYSENO LANE APARTMENTS PHASE 2

### DRAINAGE NOTES AND DETAILS

**COUNTER COMPLETE Permit Center** MAY 07, 2021 City of Port Orchard



CTB

PWB

CTB

REV.

DESCRIPTION

SEC 31 TWN 24N R 2E

DESIGNED BY

DRAWN BY

217 S.W. Wilkins Drive Port Orchard, Wa. 98366 Phone (360) 876-3770 Fax (360) 876-0439 E-mail: wse@wsengineering.com http://www.wsengineering.com

JOB No. **2657** 

DRAINAGE NOTES AND DETAILS

DAVE BURK

7583 CLOVER VALLEY ROAD SE

PORT ORCHARD, WA 98367

360-340-6636

DATE SEALED 4/28/2021

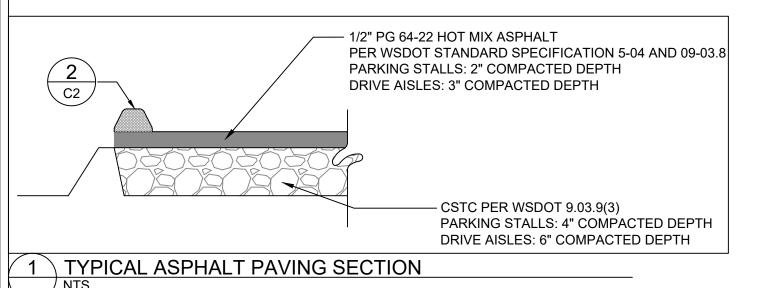
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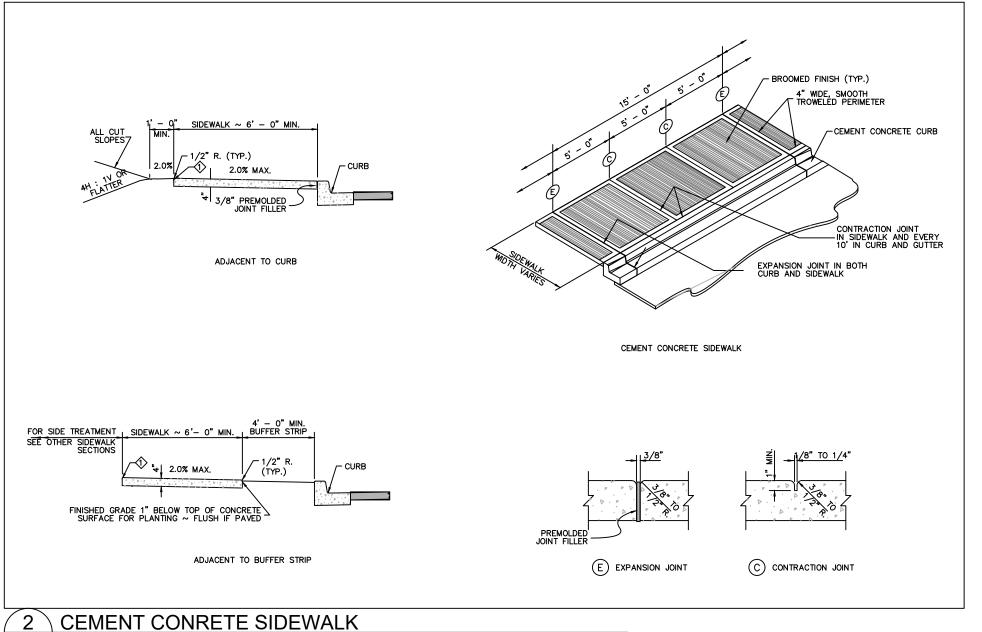
PW21-024

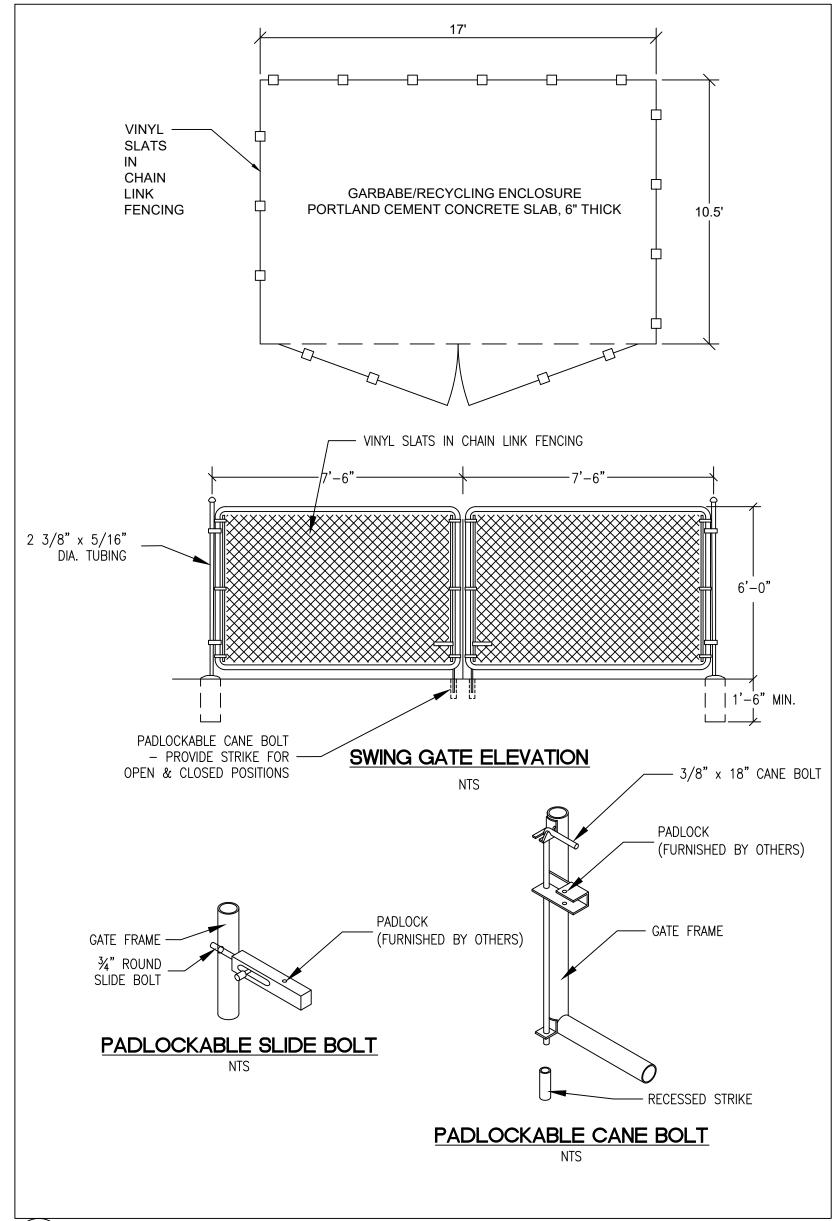
SHT **C10** OF **16** SHTS

## PAYSENO LANE APARTMENTS PHASE 2

### ROAD NOTES AND DETAILS







COUNTER COMPLETE
Permit Center

MAY 07, 2021

City of Port Orchard
Community Development

3 TRASH ENCLOSURE

DESIGNED BY CTB

CHECKED BY CTB

CHECKED BY CTB

CHECKED BY CTB

SEC 31 TWN 24N R 2E

SCALE REV. DESCRIPTION DATE BY DATE SEALED 4/28/2021

TITLEPAYSENO LANE APARTMENTS PHASE 2
ROAD NOTES AND DETAILS

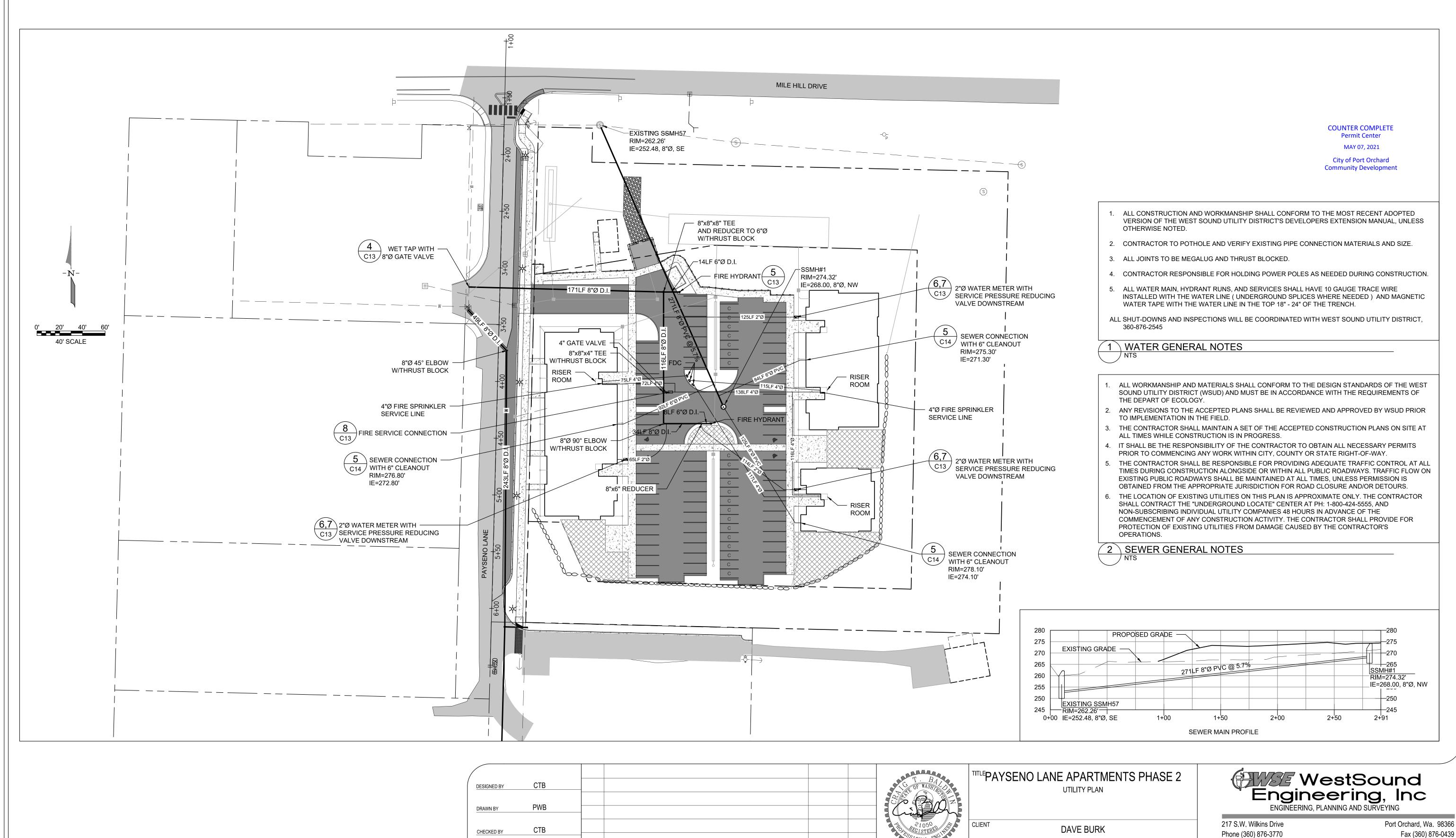
CLIENT DAVE BURK
7583 CLOVER VALLEY ROAD SE
PORT ORCHARD, WA 98367 PW21-023
360-340-6636 PW21-024

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JOB No. 2657 SHT C11 OF 16 SHTS

# PAYSENO LANE APARTMENTS PHASE 2 UTILITY PLAN



DESCRIPTION

SEC 31 TWN 24N R 2E

Fax (360) 876-0439 http://www.wsengineering.com

JOB No. **2657** 

E-mail: wse@wsengineering.com

7583 CLOVER VALLEY ROAD SE

PORT ORCHARD, WA 98367

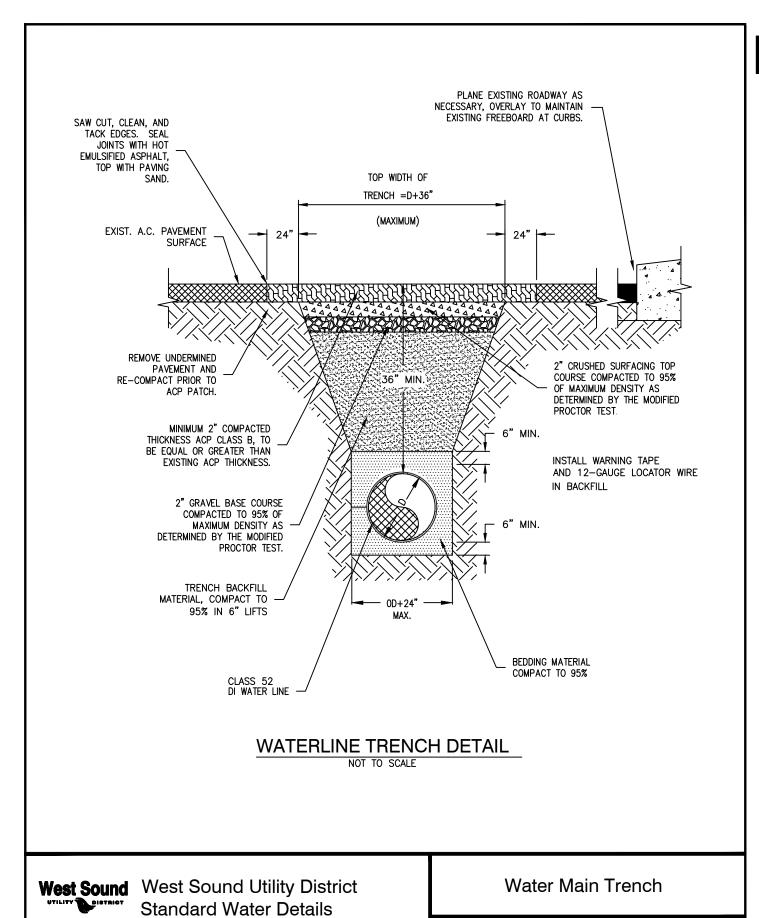
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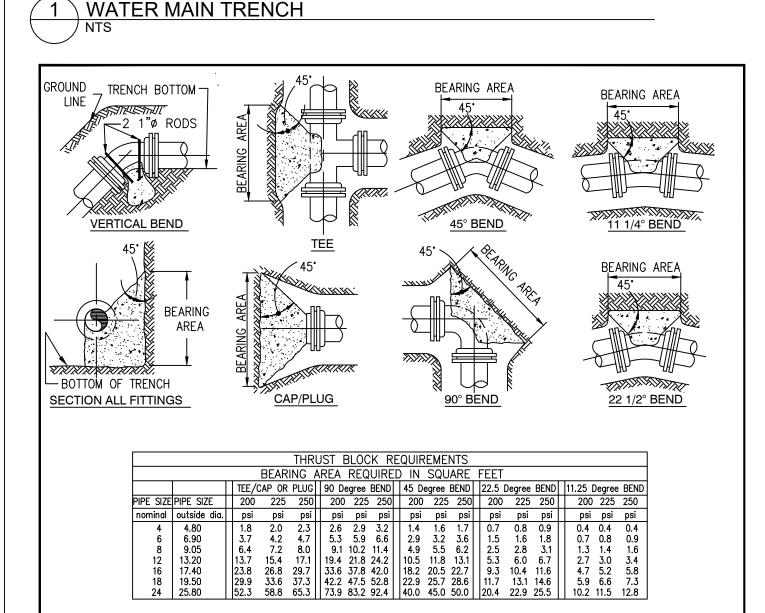
DATE SEALED 4/28/2021

PW21-023

PW21-024

SHT **C12** OF **16** SHTS





ALL CONCRETE BLOCKING SHALL BE POURED AGAINST DRY, UNDISTURBED SUBGRADE. TABLE IS BASED ON 2000 POUNDS PER SQUARE FOOT

ALLOWABLE SOIL BEARING. WEAKER SOIL WILL REQUIRE INCREASED BEARING AREA. SEE SOIL BEARING LOAD CHART. 2. KEEP CONCRETE CLEAR OF JOINTS AND ACCESSORIES. USE FORMING

3. HORIZONTAL ANCHOR BLOCKING CONFIGURATIONS FOR FITTINGS NOT

4. THE SQUARE FOOT AREAS REQUIRED FOR BEARING ARE CALCULATED BY THE FOLLOWING FORMULAS:

WHERE: T=THRUST IN POUNDS P=TEST PRESSURE IN PSI A=CROSS-SECTIONAL AREA OF PIPE IN SQUARE INCHES

FORMULA AT ALL PIPE BENDS:  $T = 2PA (SIN 1/2\triangle) WHERE \triangle = THE DEGREE BEND OF THE FITTING.$  T = EPEARING AREA REQUIRED IN SQUARE FEET

TI K=BEARING AREA REQUIRED IN SQUARE FEET

K=ASSUMED 2000 PSF SOIL BEARING PRESSURE

5. WRAP FITTINGS WITH VISQUEEN PRIOR TO BLOCK POUR.

Standard Water Details

**West Sound West Sound Utility District** 

AS NECESSARY.

SHOWN SHALL HAVE PRIOR APPROVAL.

FORMULA AT TEE & CAP OR PLUG:

CVISCO: FEBUARY 2008

SAFE BEARING LOADS IN LBS/SQ. FT.
THE SAFE SOIL BEARING LOADS SHOWN BELOW ARE FOR HORIZONTAL THRUSTS WHEN THE DEPTH OF COVER OVER

IN MUCK OR PEAT, ALL THRUST SHALL BE RESTRAINED BY PILES

OR TIE RODS TO SOLID FOUNDATIONS OR BY REMOVAL OF MUCK

OR PEAT AND REPLACEMENT WITH BALLAST OF SUFFICIENT STABILIT

Thrust Blocking

SAND, SANDY SILT SAND AND GRAVEL

REVISED: FEBRUARY, 2008

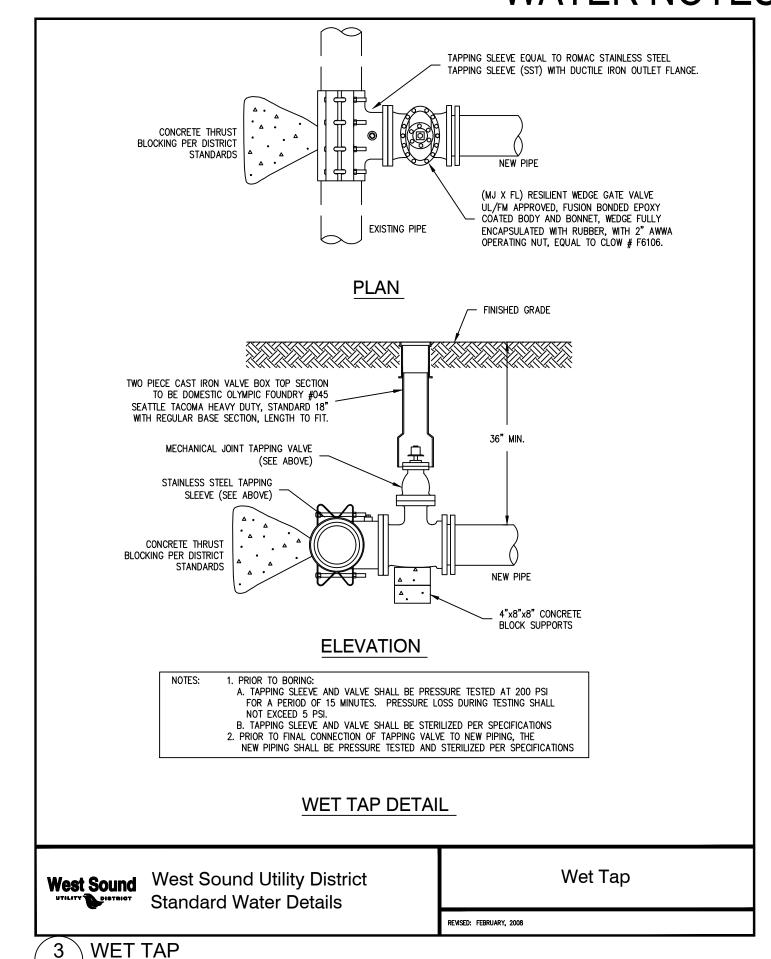
HARD SHALE

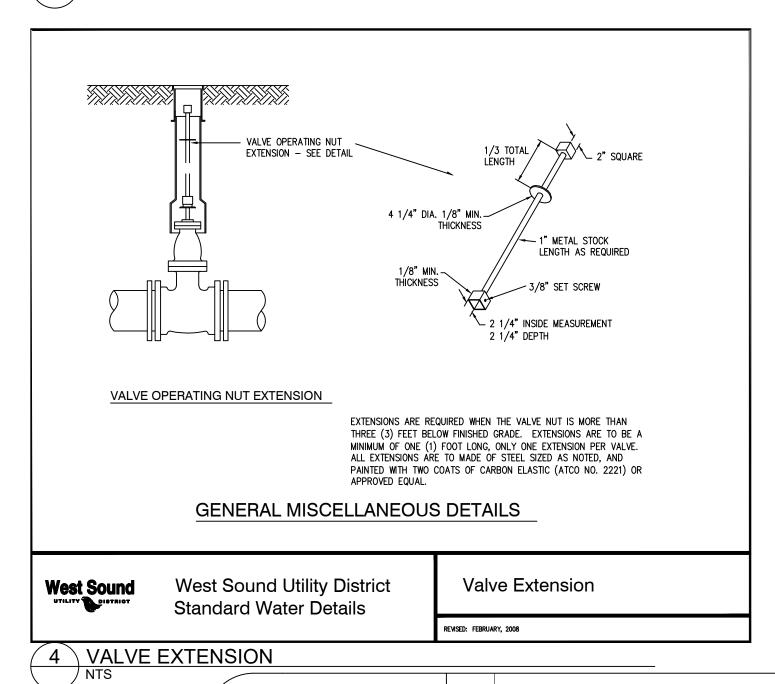
SAND AND GRAVEL CEMENTED W/CLAY

LBS/SQ. FT.

# PAYSENO LANE APARTMENTS PHASE 2

WATER NOTES AND DETAILS





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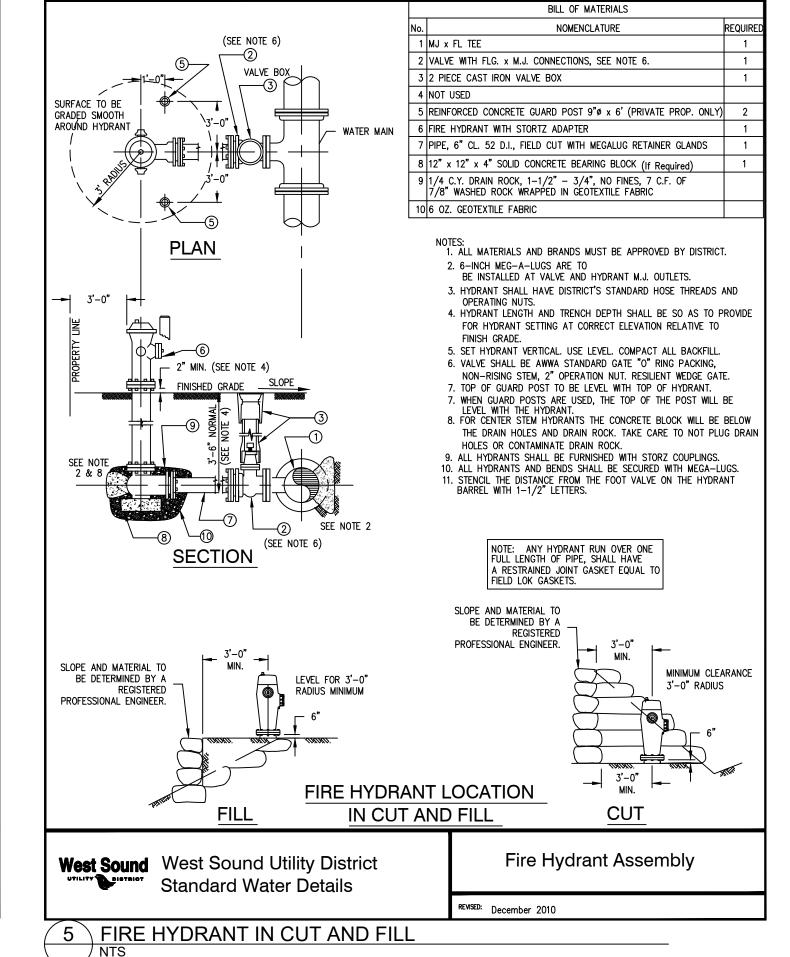
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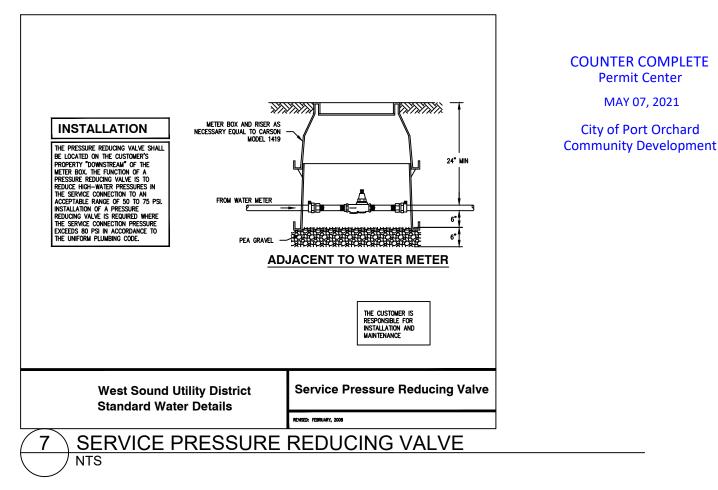
SEC 31 TWN 24N R 2E

DESIGNED BY

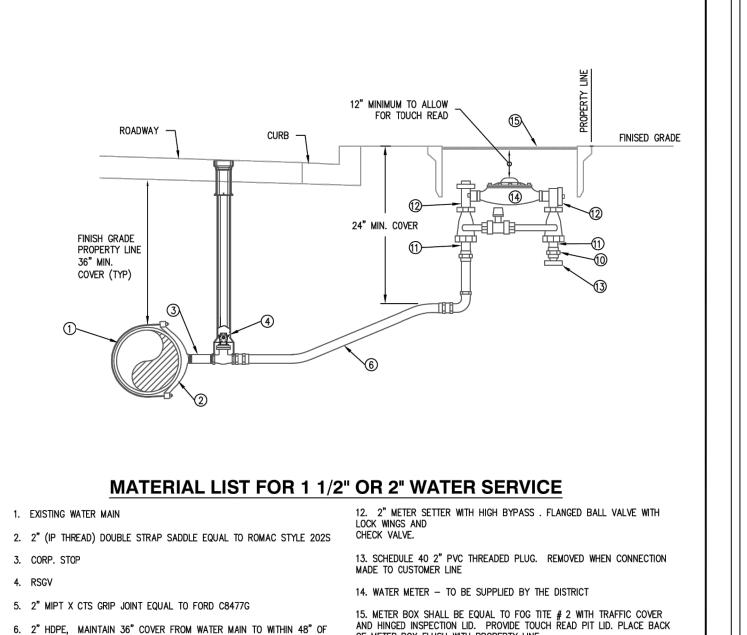
DRAWN BY

CHECKED BY





DATE SEALED



OF METER BOX FLUSH WITH PROPERTY LINE.

NOTE: ALL FITTINGS TO BE BRASS.

 $race{6}$   $race{1}$  1.5" OR 2" WATER SERVICE

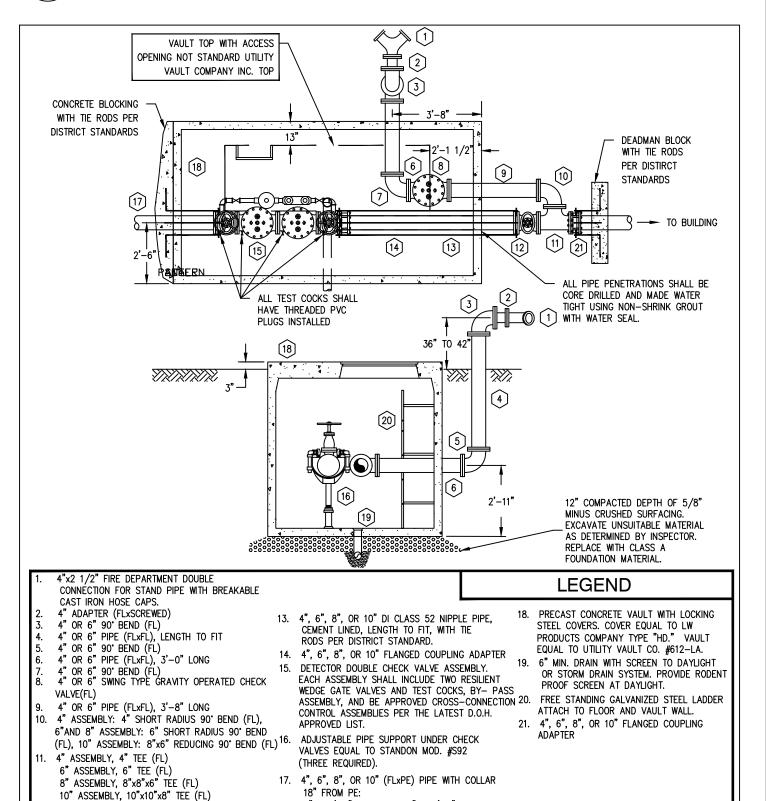
4", 6", 8", OR 10" RESILIENT WEDGE GATE VALVE

West\_Sound West Sound Utility District

Standard Sewer Details

FIRE SERVICE CONNECTION

(FLxMJ) WITH INDICATOR POST. INDICATOR POST VALVE SAME SIZE AS DOUBLE CHECK VALVE.



4" - 5'-6" LONG 6" - 4'-6" LONG

8" - 3'-6" LONG



TITLEPAYSENO LANE APARTMENTS PHASE 2

DAVE BURK 7583 CLOVER VALLEY ROAD SE PW21-023 PORT ORCHARD, WA 98367 PW21-024 360-340-6636

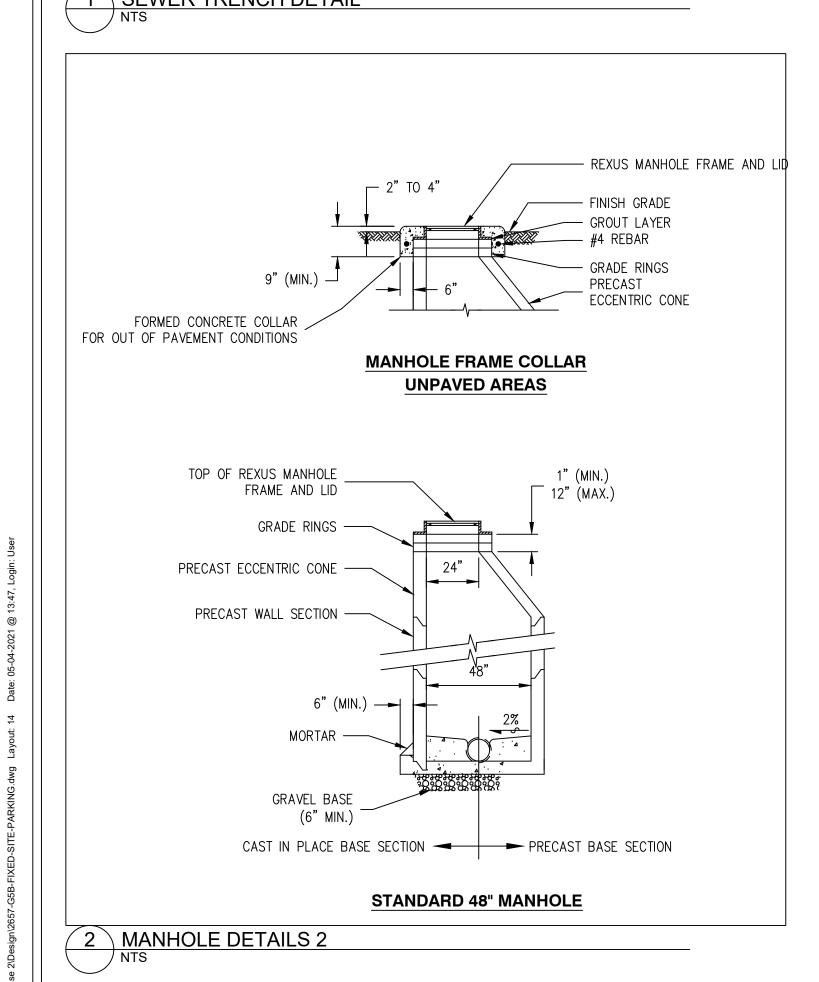
WestSound Engineering, Inc ENGINEERING, PLANNING AND SURVEYING

EVISED: FEBRUARY, 2008

217 S.W. Wilkins Drive Port Orchard, Wa. 98366 Phone (360) 876-3770 Fax (360) 876-0439 E-mail: wse@wsengineering.com http://www.wsengineering.com

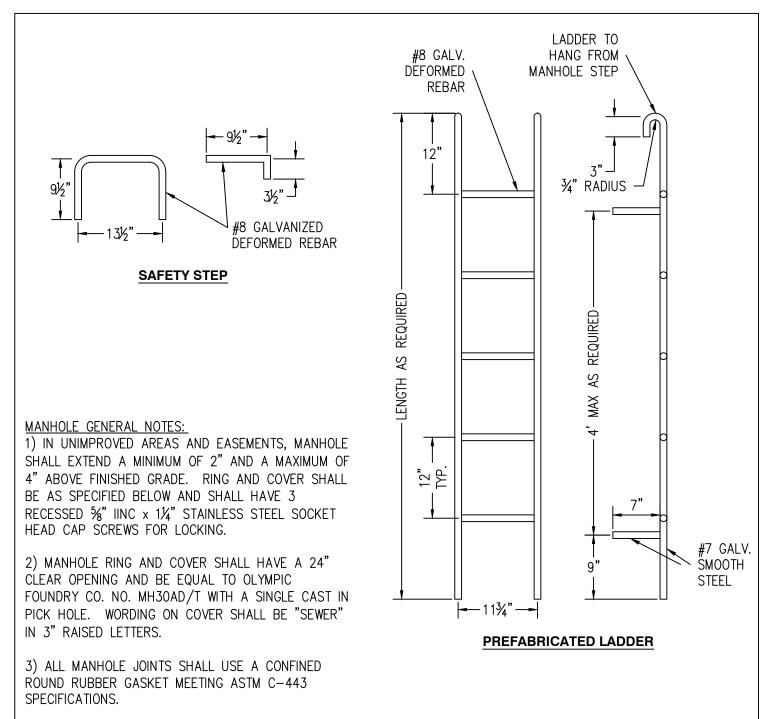
Fire Service Connection

SHT **C13** OF **16** SHTS JOB No. **2657** 



## PAYSENO LANE APARTMENTS PHASE 2

### SANITARY SEWER NOTES AND DETAILS

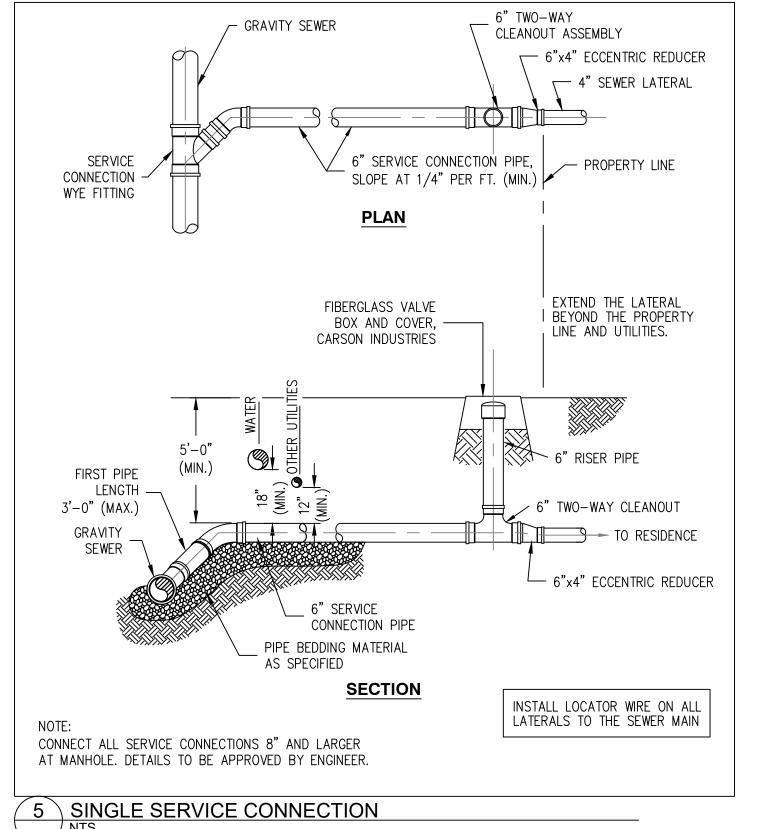


4) ALL PVC PIPE THROUGH MANHOLE WALL SHALL

HAVE A PVC MANHOLE ADAPTER EQUAL TO GPK.

PIPE SHALL BE GROUTED INTO PLACE FROM EACH

3 MANHOLE DETAILS 3



**COUNTER COMPLETE** Permit Center MAY 07, 2021 City of Port Orchard Community Developmen

CTB CTB SEC 31 TWN 24N R 2E

DESCRIPTION

TITLE PAYSENO LANE APARTMENTS PHASE 2 SANITARY SEWER NOTES AND DETAILS

DATE SEALED 4/28/2021

DAVE BURK 7583 CLOVER VALLEY ROAD SE PW21-023 PORT ORCHARD, WA 98367 PW21-024 360-340-6636

WestSound Engineering, Inc

217 S.W. Wilkins Drive Phone (360) 876-3770 E-mail: wse@wsengineering.com

Port Orchard, Wa. 98366 Fax (360) 876-0439 http://www.wsengineering.com

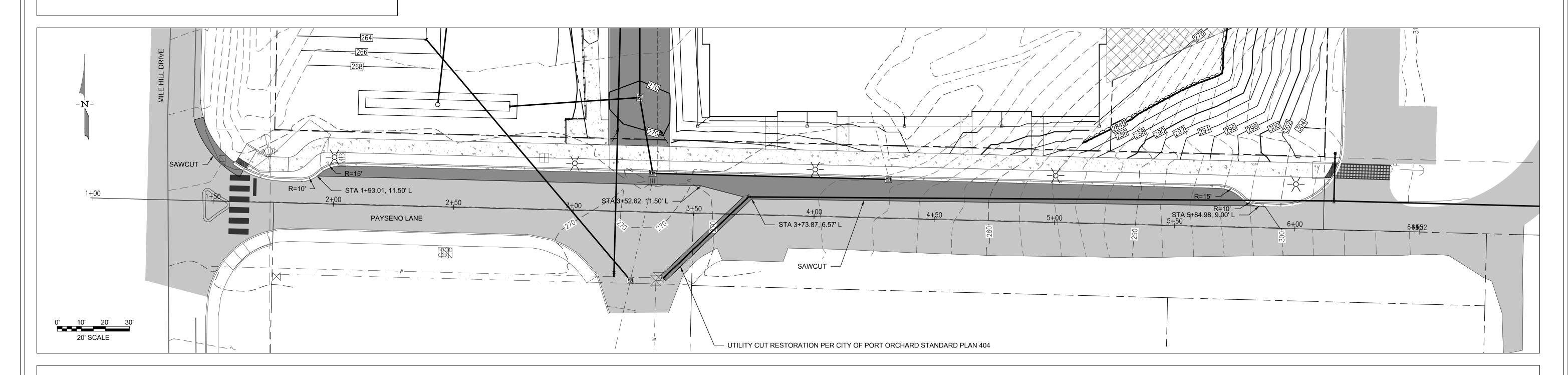
SHT **C14** OF **16** SHTS JOB No. **2657** 

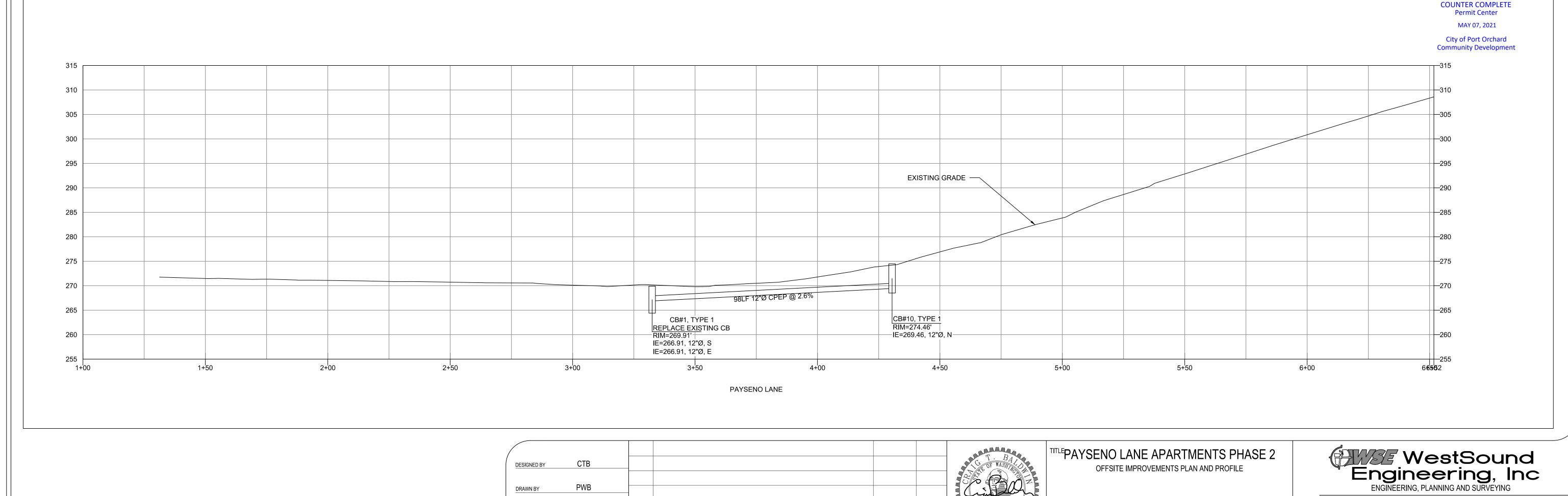
ONE-CALL (# 1-800-424-5555):

BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS FURNISHED BY OTHERS AND VERIFIED WHERE POSSIBLE BY FEATURES LOCATED IN THE FIELD. WESTSOUND ENGINEERING, ASSUMES NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS, OR FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO DESIGN.

## PAYSENO LANE APARTMENTS PHASE 2

OFFSITE IMPROVEMENTS PLAN AND PROFILE





DESCRIPTION

SEC 31 TWN 24N R 2E

217 S.W. Wilkins Drive

Phone (360) 876-3770

JOB No. **2657** 

E-mail: wse@wsengineering.com

DAVE BURK

7583 CLOVER VALLEY ROAD SE

PORT ORCHARD, WA 98367

360-340-6636

DATE SEALED 4/28/2021

PW21-023

PW21-024

Port Orchard, Wa. 98366

http://www.wsengineering.com

SHT **C15** OF **16** SHTS

Fax (360) 876-0439

### PAYSENO LANE APARTMENTS PHASE 2 ONE-CALL (# 1-800-424-5555): BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS FURNISHED BY OTHERS AND VERIFIED WHERE POSSIBLE BY FEATURES LOCATED IN THE FIELD. WESTSOUND ENGINEERING, PAYSENO LANE CROSS-SECTIONS ASSUMES NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS, OR FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO DESIGN. 6' CONCRETE - VARIES (GREATER THAN 10') -— 4' LANDSCAPING — SIDEWALK 2% SLOPE AWAY FROM MIDDLE WHERE ASPHALT IS REPLACED -1' BACKFILL SAWCUT BASE OF WEDGE CURB -2% - GRIND AND OVERLAY ASPHALT EXISTING PAVEMENT PAVEMENT SECTION PER CITY OF PORT ORCHARD DRAWING NO. 403 SEE WSDOT STANDARD PLAN F-10.12-03-CEMENT CONCRETE TRAFFIC CURB AND GUTTER PAYSENO LANE CROSS SECTION 1+50.00 2+00.00 2+50.00 3+00.00 \_\_\_ EXISTING PAVEMENT 6'SIDEWALK -**COUNTER COMPLETE** Permit Center 4+00.00 3+50.00 | ≥ 5+00.00 4+50.00 MAY 07, 2021 City of Port Orchard **Community Development** 5+50.00 6+00.00 WestSound Engineering, Inc ENGINEERING, PLANNING AND SURVEYING TITLE PAYSENO LANE APARTMENTS PHASE 2 CTB DESIGNED BY PAYSENO LANE CROSS-SECTIONS 217 S.W. Wilkins Drive Port Orchard, Wa. 98366 DAVE BURK CTB Phone (360) 876-3770 Fax (360) 876-0439 7583 CLOVER VALLEY ROAD SE E-mail: wse@wsengineering.com http://www.wsengineering.com PW21-023 SEC 31 TWN 24N R 2E PORT ORCHARD, WA 98367 PW21-024 JOB No. **2657** 360-340-6636 DATE SEALED 4/28/2021 DESCRIPTION

SHT **C16** OF **16** SHTS