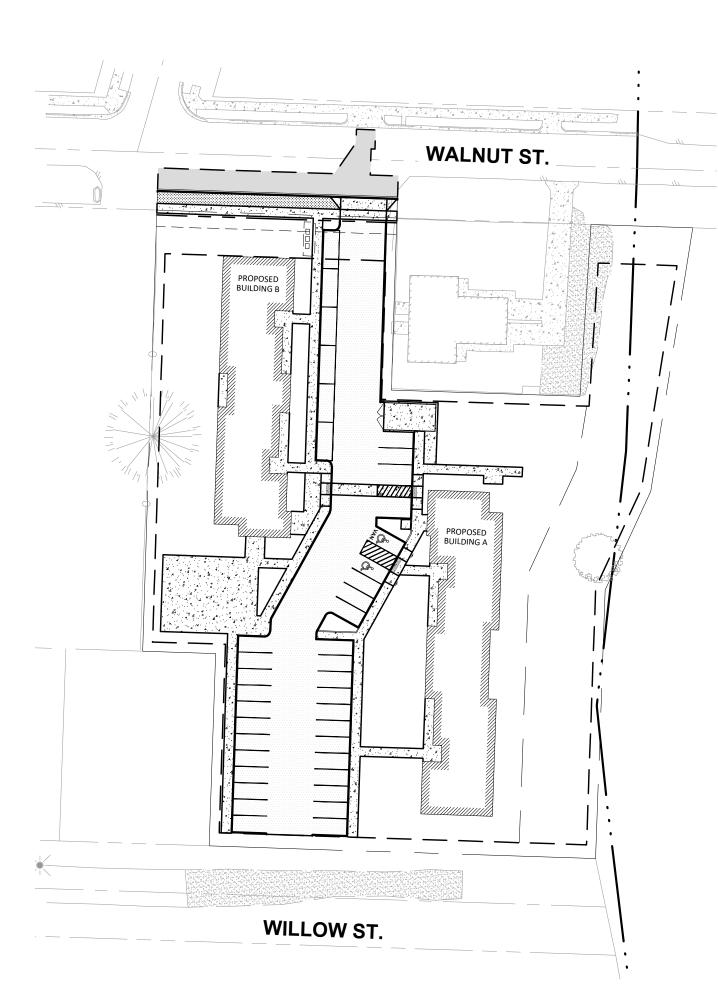
# WILLOW GROVE AFFORDABLE HOUSING

# KELSO, WASHINGTON

PARCEL #23655 NO SITE ADDRESS



# **SHEET INDEX**

**COVER SHEET GENERAL NOTES EXISTING CONDITIONS** 

SITE PLAN

WALNUT ST. PLAN AND PROFILE

**GRADING & ESC PLAN** 

**GRADING DETAILS** 

STORM DRAINAGE PLAN

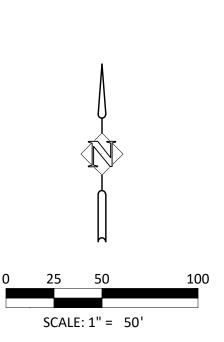
**SANITARY & WATER PAN** 

**DETAILS** 

**DETAILS** 

**DETAILS** 

**DETAILS** 

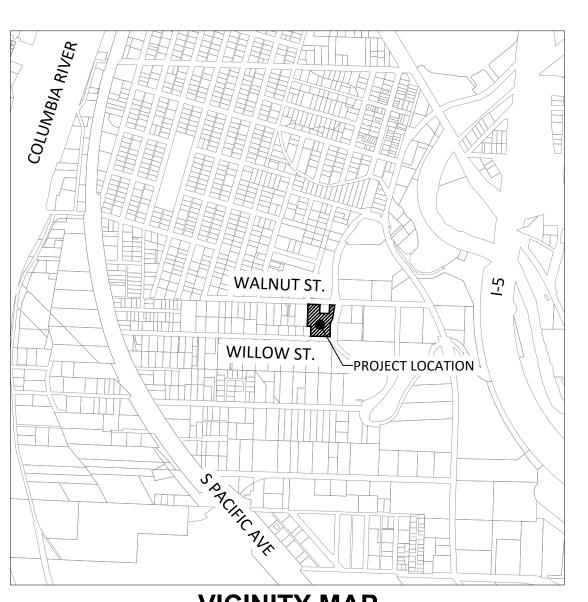


# SITE MAP





ENGINEERS + PLANNERS LANDSCAPE ARCHITECTS + SURVEYORS 1220 Main Street, Suite 150, Vancouver, WA 98660 phone: 360.750.1131 www.hhpr.com fax: 360.750.1141



# **VICINITY MAP**

# **PROJECT OWNER**

KELSO HOUSING AUTHORITY 1415 S 10TH AVE KELSO, WA 98626 TEL: 360-423-3490

# 500 W 8TH STREET, SUITE 115B

VANCOUVER, WA 98660 TEL: 360-326-1220 EMAIL: BRENDAN@ACCESS-ARCH.COM

**ARCHITECT** 

**ACCESS ARCHITECTURE** 

CONTACT: BRENDAN SANCHEZ

#### **CIVIL ENGINEER**

HARPER HOUF PETERSON RIGHELLIS INC. CONTACT: KELLY BACHELDER, P.E. 1220 MAIN STREET, SUITE 150 VANCOUVER, WA 98660 TEL: 360-750-1131 EMAIL: KELLYB@HHPR.COM

#### LANDSCAPE ARCHITECT

NAME: ECOTONE ENVIRONMENTAL CONTACT: BRYAN BAILEY, RLA, LEEP AP ADDRESS: 522 N THOMPSON ST #4 PORTLAND, OR 97227 TEL: 503-927-4180 EMAIL: BRYAN@ECOTONE-ENV.COM

#### TOPOGRAPHIC SURVEY BY S&F LAND SERVICES

#### **HORIZONTAL DATUM:**

THIS SURVEY UTILIZES THE WASHINGTON STATE PLANE COORDINATE SYSTEM - SOUTH ZONE. THE PROJECT WAS SCALED TO GROUND AROUND CONTROL POINT #1 WITH A SCALE FACTOR OF 1.0000515101. DISTANCES SHOWN ARE GROUND DISTANCES. TO OBTAIN GRID DISTANCES, DIVIDE BY THE SCALE FACTOR. CONTROL POINT #1 WAS OBSERVED WITH STATIC GPS PROCESSED THROUGH TRIMBLE RTX. NORTH AMERICAN DATUM OF NAD83/2011 (EPOCH 2010.0000). UNITS IN US SURVEY FEET.

#### **VERTICAL DATUM:**

NAVD88 BASED ON STATIC GPS OBSERVATIONS ON POINT 1, PROCESSED THROUGH TRIMBLE RTX.

#### **BENCH MARK:**

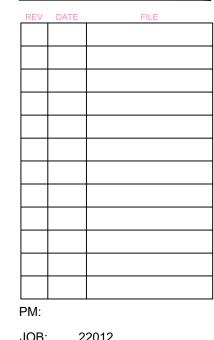
CONTROL POINT #1 WAS OBSERVED WITH STATIC GPS PROCESSED

THROUGH THE TRIMBLE RTX.





LAND USE **PERMIT** 



JOB: 22012 DATE: 12/01/2022

**COVER SHEET** 

#### **GENERAL NOTES**

- 1. ALL MATERIALS AND METHODS OF CONSTRUCTION AND INSTALLATION FOR WATER, SEWER, STORM WATER FACILITIES, AND EROSION CONTROL MEASURES, SHALL CONFORM TO CITY OF KELSO "ENGINEERING DESIGN MANUAL". CONSTRUCTION SHALL BE AS PER THE MOST CURRENT STANDARD DETAILS CONTAINED THEREIN.
- 2. TRANSPORTATION ELEMENTS OF THESE PLANS SHALL CONFORM TO THE STANDARDS AND DETAILS SPECIFIED IN THE CITY OF KELSO ENGINEERING DESIGN MANUAL.
- 3. STREET SIGNING AND STRIPING SHALL BE INSTALLED BY THE DEVELOPER. ALL STREET SIGNS AND STRIPING SHALL BE INSTALLED PER THE MUTCD.
- 4. STREET LIGHTING WILL BE INSTALLED BY THE DEVELOPER PER P.U.D. APPROVED STREET LIGHTING PLANS.
- 5. PRE-PAVING AS-BUILTS SHALL BE SUBMITTED TO THE CITY OF KELSO CONSTRUCTION OFFICE AND CITY INSPECTOR FOR BOTH SANITARY SEWER AND STORM SEWER, PRIOR TO PAVING.
- 6. PAVING WILL NOT BE ALLOWED DURING WET OR COLD WEATHER, PER WSDOT SPECIFICATIONS.
- 7. ANY SIGNIFICANT DEVIATIONS FROM THE PLANS WILL REQUIRE A REQUEST FROM THE APPLICANT'S ENGINEER AND APPROVAL FROM THE CITY'S ENGINEER AND CITY INSPECTOR.
- 8. ALL PAVEMENT SHALL BE STRAIGHT CUT PRIOR TO PAVING. EXISTING PAVEMENT SHALL BE REMOVED AS NECESSARY TO PROVIDE A SMOOTH TRANSITION FOR BOTH RIDE AND DRAINAGE.
- 9. SUBGRADE PREPARATION DURING WET OR WINTER TIME CONSTRUCTION IS USUALLY/OFTEN NOT FEASIBLE. A WET OR WINTER TIME PLAN SHALL BE SUBMITTED TO CITY OF KELSO, DEVELOPMENT ENGINEERING STAFF FOR REVIEW AND APPROVAL IF THE CONTRACTOR PLANS TO COMMENCE WITH CONSTRUCTION DURING WET WEATHER CONDITIONS. IF PAVING FROM OCTOBER 15TH TO MARCH 30TH, A WET WEATHER SUBGRADE PREPARATION PLAN IS REQUIRED. THE SUBGRADE MUST BE OVER EXCAVATED AND A GEOTEXTILE LINER USED. THE INSPECTOR SHALL APPROVE A COMPLETE PROOF ROLL TEST ON BOTH SIDES OF THE STREET.

# **GRADING NOTES**

- 1. CONTRACTOR SHALL REMOVE AND DISPOSE OF TREES, STUMPS, BRUSH, ROOTS, AND OTHER UNACCEPTABLE MATERIAL OFF-SITE. MATERIAL SHALL BE DISPOSED OF IN SUCH A MANNER AS TO MEET LOCAL REGULATIONS.
- 2. ALL CONSTRUCTION WITHIN CITY OF KELSO RIGHT-OF-WAY SHALL HAVE AN APPROVED TRAFFIC CONTROL PLAN AND RIGHT-OF-WAY PERMIT PRIOR TO ANY ON-SITE CONSTRUCTION.
- 3. TWO-WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES ON THE ADJACENT PUBLIC STREETS.
- 4. THE APPLICANT MAY BE REQUIRED TO PROVIDE FLAGGING, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES FOR SAFE TRUCK ACCESS ONTO PUBLIC STREETS. ALL SUCH DEVICES SHALL CONFORM TO THE STANDARDS ESTABLISHED IN THE LATEST ADOPTED EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND THE MODIFICATIONS TO THE MUTCD FOR STREETS AND HIGHWAYS FOR THE STATE OF WASHINGTON.
- 5. PRIOR TO BEGINNING CONSTRUCTION, ALL AREAS OF THE SITE THAT WILL RECEIVE FOUNDATIONS, STRUCTURAL FILL, FLOOR SLABS, OR PAVEMENT SHALL BE STRIPPED OF TOP SOIL, ROOTS, AND UNSUITABLE FILLS, I.E., EXCAVATED TO NON-ORGANIC, NATIVE UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL. REFER TO THE GEOTECH REPORT FOR OVER EXCAVATION REQUIREMENTS.
- 6. SEE GEOTECH REPORT FOR GENERAL SITE CONDITIONS AND INFORMATION.

# **EROSION CONTROL**

- 1. THE CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL DURING AND AFTER INSTALLATION OF ALL UTILITY WORK ASSOCIATED WITH UTILITY TRENCHES.
- 2. SEDIMENT CONTROL SHALL BE ESTABLISHED PRIOR TO THE COMMENCEMENT OF WORK AND MAINTAINED THROUGH THE LIFE OF THE PROJECT, AS CALLED OUT ON THE PLANS.
- 3. ALL EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED BY A SUITABLE APPLICATION OF AN APPROPRIATE BEST MANAGEMENT PRACTICE (BMP). DURING THE PERIOD FROM OCTOBER 1 TO APRIL 30 NO SOIL SHALL BE EXPOSED FOR MORE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOIL SHALL BE EXPOSED FOR MORE THAN SEVEN (7) DAYS.
- 4. PAVEMENT SWEEPING AND SHOVELING IS REQUIRED. WASHING THE PAVEMENT INTO THE EXISTING STORM SYSTEM WILL NOT BE PERMITTED.
- 5. THE CONTRACTOR SHALL MAINTAIN ON-SITE A WRITTEN DAILY LOG OF EROSION CONTROL PRACTICE MAINTENANCE.
- 6. IF THE CITY INSPECTOR OR ENGINEER(S) HAS EVIDENCE OF POOR CONSTRUCTION PRACTICES OR EROSION CONTROL TECHNIQUES, CITATIONS AND/OR A STOP WORK ORDER SHALL BE ISSUED UNTIL PROPER MEASURES HAVE BEEN TAKEN AND APPROVED BY CITY OF VANCOUVER. IF THE BMP'S APPLIED TO A SITE ARE INSUFFICIENT TO PREVENT SEDIMENT FROM REACHING WATER BODIES, ADJACENT PROPERTIES, OR PUBLIC RIGHT-OF-WAY, THEN THE DIRECTOR SHALL REQUIRE ADDITIONAL BMP'S.
- 7. EROSION CONTROL AS SHOWN ON THE PLANS ARE THE BASE RECOMMENDATIONS, AND ARE IN NO WAY INTENDED TO REPRESENT ALL OF THE POTENTIAL EROSION CONTROL MEASURES THAT MAY BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING OF TEMPORARY CUT-OFF DITCHES, SEDIMENTATION PONDS, SUMPS, BAKER TANKS™, BYPASS PUMPING, AND/OR OTHER MEANS AS REQUIRED AND NECESSARY TO CONTROL STORM WATER RUNOFF DURING CONSTRUCTION SO THAT NO SILT-LADEN WATER LEAVES THE PROJECT SITE. ALL SUCH MEASURES SHALL BE AT CONTRACTOR'S EXPENSE.

# **STORM NOTES**

- 1. TRACER WIRE SHALL BE INSTALLED ALONG THE TOP OF ALL PIPE. EXTEND THE TRACER WIRE INTO MANHOLES AND ALL OTHER STRUCTURES, THEN UP THE INSIDE WALL OF STRUCTURES AND ATTACH THE WIRE TO THE TOP INSIDE OF THE STRUCTURE. PROVIDE 3 FEET OF COILED TRACER WIRE SLACK ATTACHED TO THE TOP INSIDE OF THE STRUCTURE.
- MANHOLES AND TYPE 2 CATCH BASINS SHALL BE ADJUSTED TO GRADE FOLLOWING PAVING. ADJUST TO GRADE
  USING AN APPROVED FOUR-POINT ADJUSTMENT SYSTEM SUCH AS THE RIMRISER SHIMLESS ADJUSTMENT SYSTEM,
  OR APPROVED EQUAL.
- 3. STORM SEWERS AND APPURTENANCES SHALL BE CLEANED, AIR TESTED AND DEFLECTION TESTED AFTER BACKFILLING. THE LOW PRESSURE AIR TEST METHOD SHALL BE USED. TV INSPECTION SHALL BE PERFORMED AFTER CLEANING, TESTING AND CORRECTIONS ARE COMPLETE. CLEANING, AIR TESTING, INFILTRATION TESTING, DEFLECTION TESTING, AND TV INSPECTION SHALL BE COMPLETED PRIOR TO PAVEMENT RESTORATION OF THE TRENCH. AN ELECTRONIC COPY OF THE TV INSPECTION VIDEO AND THE TV INSPECTION REPORT SHALL BE PROVIDED TO THE INSPECTOR. TOP LIFT OF PAVING SHALL NOT BE PLACED UNTIL THE INSPECTOR HAS APPROVED THE TV INSPECTION.
- 4. ALL MANHOLES SHALL BE WATERTIGHT. FOLLOWING BACKFILL AND PRIOR TO FINAL PAVING, PERFORM VACUUM TESTING ON MANHOLES PER THE REQUIREMENTS OF THE SUPPLEMENT TO STANDARD PLAN B-15.20-01.
- 5. AS-BUILT DRAWINGS AND TV REPORTS SHALL BE PROVIDED PRIOR TO FINAL ACCEPTANCE.

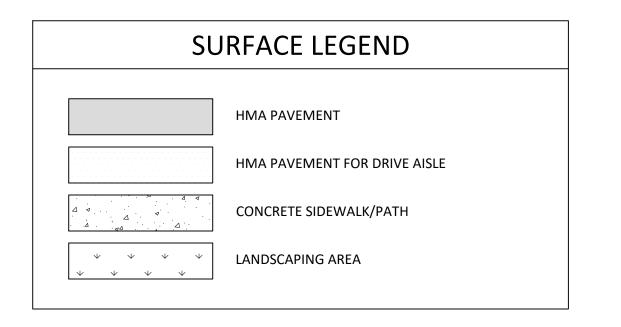
# SANITARY SEWER NOTES

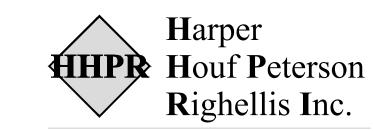
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- 2. MANHOLES SHALL BE ADJUSTED TO GRADE FOLLOWING PAVING. ADJUST USING AN APPROVED FOUR-POINT ADJUSTMENT SYSTEM SYSTEM SUCH AS THE RIMRISE SHIMLESS ADJUSTMENT SYSTEM, OR APPROVED EQUAL.
- 3. SANITARY SEWERS AND APPURTENANCES SHALL BE CLEANED, AIR TESTED AND DEFLECTION TESTED AFTER BACKFILLING. THE LOW PRESSURE AIR TEST METHOD SHALL BE USED. TV INSPECTION SHALL BE PERFORMED AFTER CLEANING, TESTING AND CORRECTIONS ARE COMPLETE. CLEANING, AIR TESTING, INFILTRATION TESTING, DEFLECTION TESTING, AND TV INSPECTION SHALL BE COMPLETED PRIOR TO PAVEMENT RESTORATION OF THE TRENCH. AN ELECTRONIC COPY OF THE TV INSPECTION VIDEO AND THE TV INSPECTION REPORT SHALL BE PROVIDED TO THE INSPECTOR. TOP LIFT OF PAVING SHALL NOT BE PLACED UNTIL THE INSPECTOR HAS APPROVED THE TV INSPECTION.
- 4. ALL MANHOLES SHALL BE WATERTIGHT. FOLLOWING BACKFILL AND PRIOR TO FINAL PAVING, PERFORM VACUUM TESTING ON MANHOLES PER THE REQUIREMENTS OF THE SUPPLEMENT TO STANDARD PLAN B-15.20-01.
- 5. AS-BUILT DRAWINGS AND TV REPORTS SHALL BE PROVIDED PRIOR TO FINAL ACCEPTANCE.

# **WATER NOTES**

 ALL WATERMAIN INSTALLATION, DISINFECTION AND TESTING SHALL COMPLY WITH WSDOT STANDARD SPECIFICATIONS. UNIFORM PLUMBING CODE, AND CITY OF KELSO WATER DESIGN AND CONSTRUCTION STANDARDS.

# 





ENGINEERS \* PLANNERS
LANDSCAPE ARCHITECTS \* SURVEYORS

1220 Main Street, Suite 150, Vancouver, WA 98660
phone: 360.750.1131 www.hhpr.com fax: 360.750.1141





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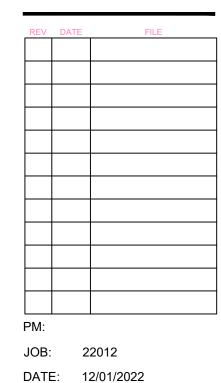
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VILLLOW GROVE

1106 WALNUT STREET

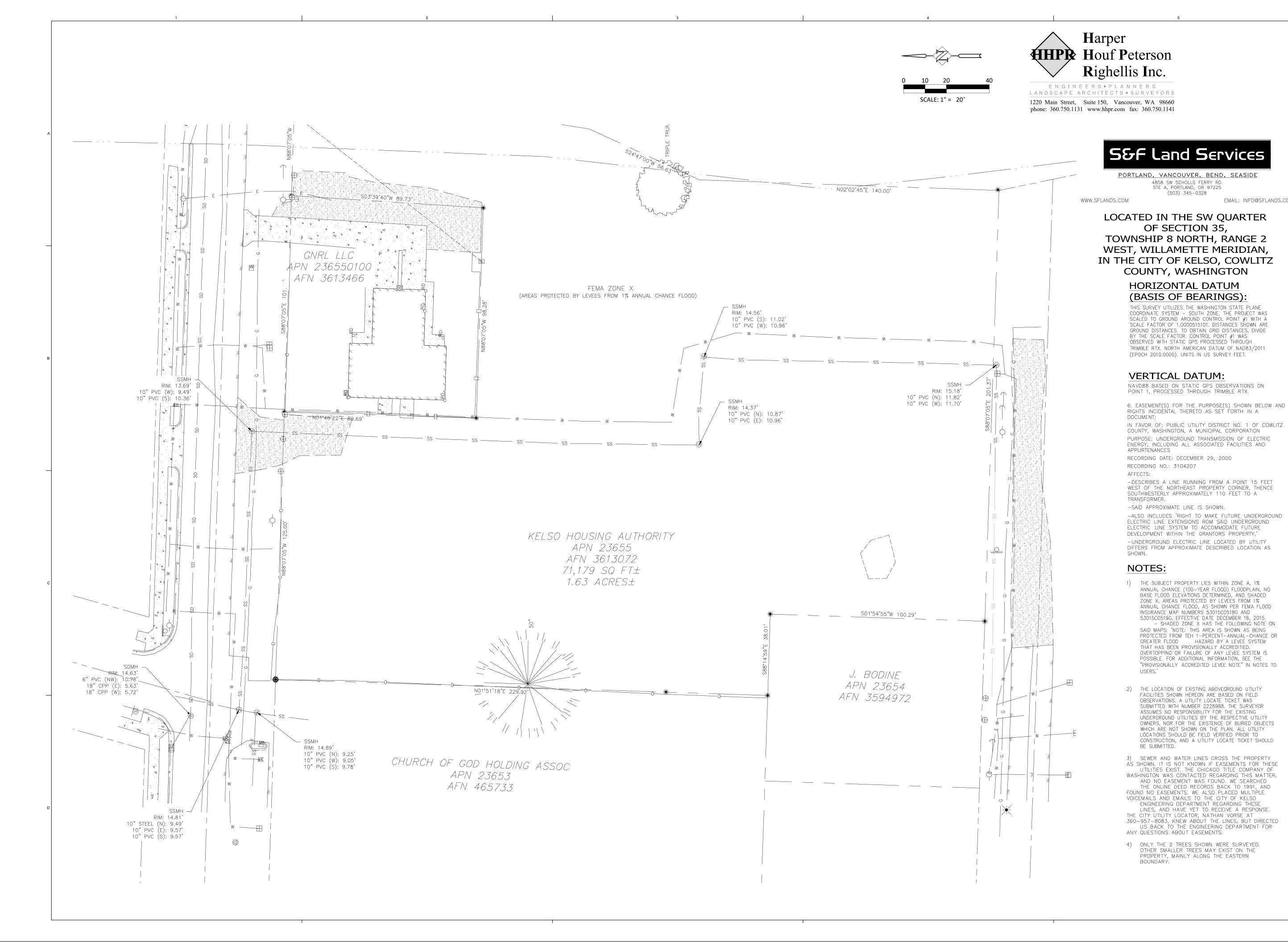
KELSON WASSES

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C1.1

GENERAL NOTES





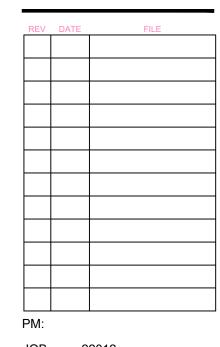


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# STREE 98626 06 X

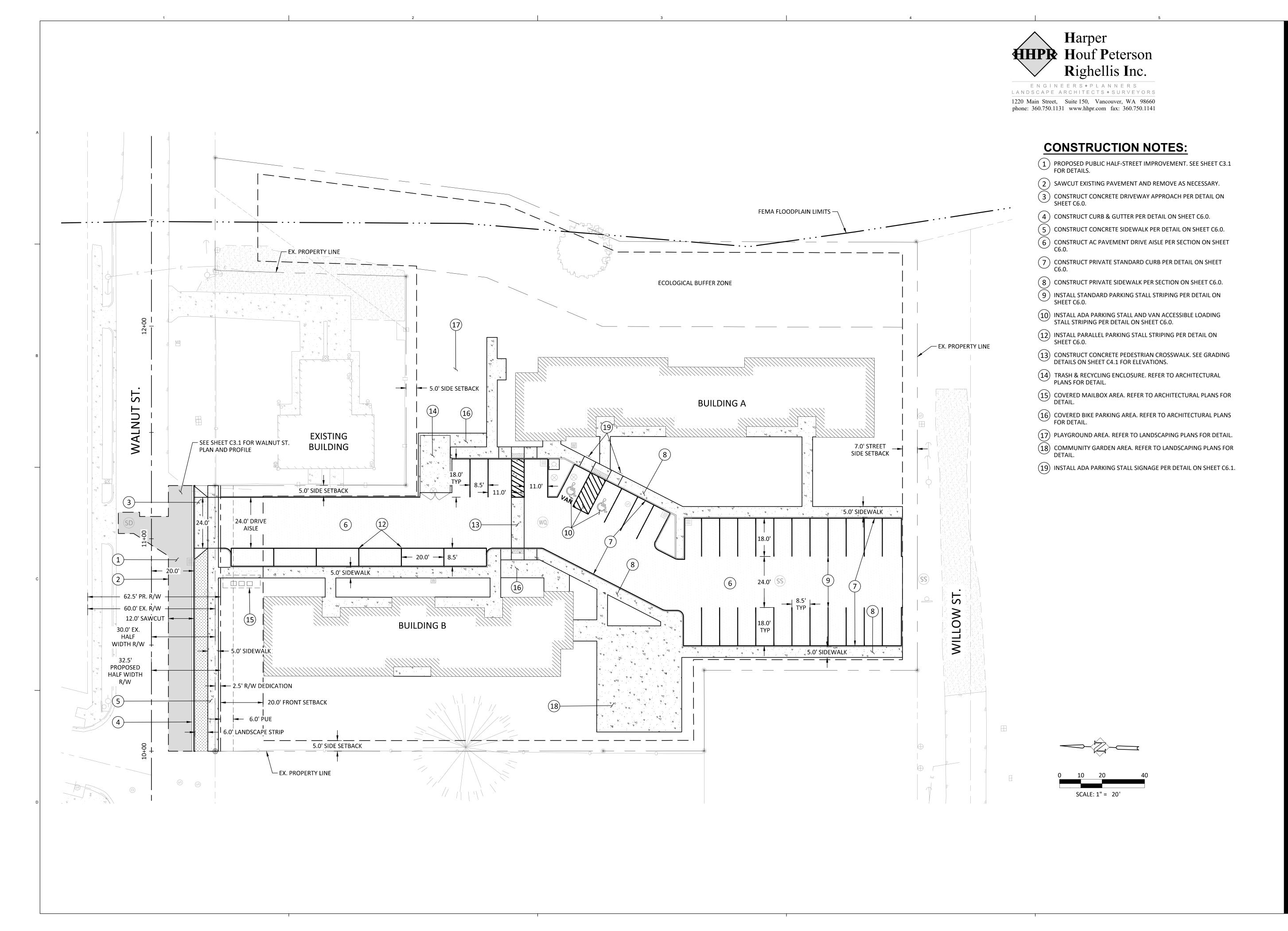
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JOB: 22012 DATE: 12/01/2022

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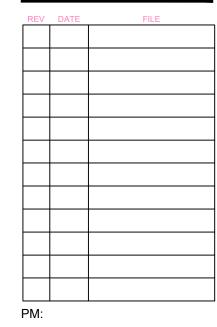
**CONDITIONS PLAN** 







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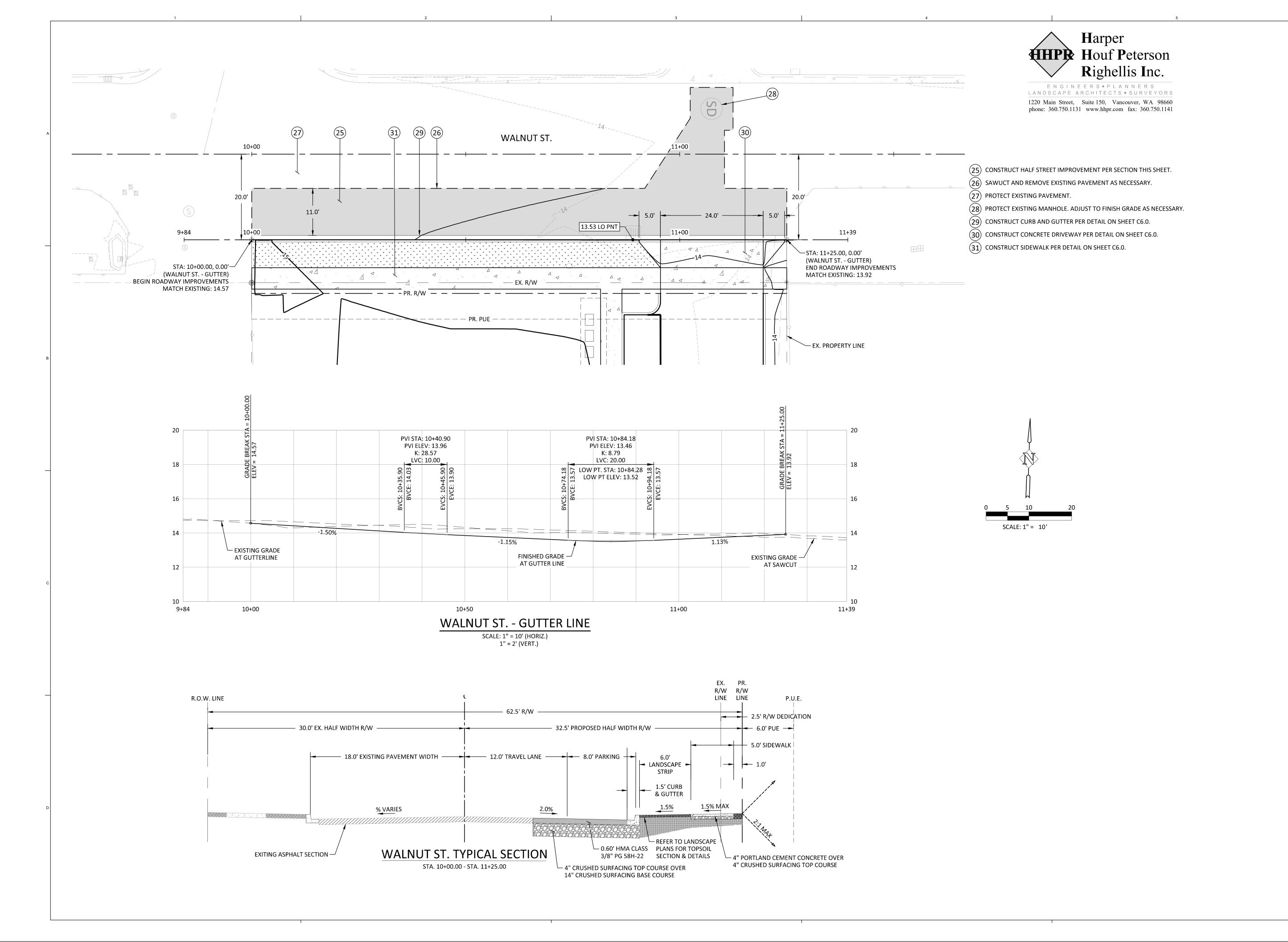


LAND USE

**PERMIT** 

JOB: 22012 DATE: 12/01/2022

**SITE PLAN** 







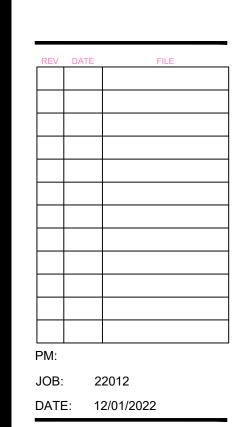
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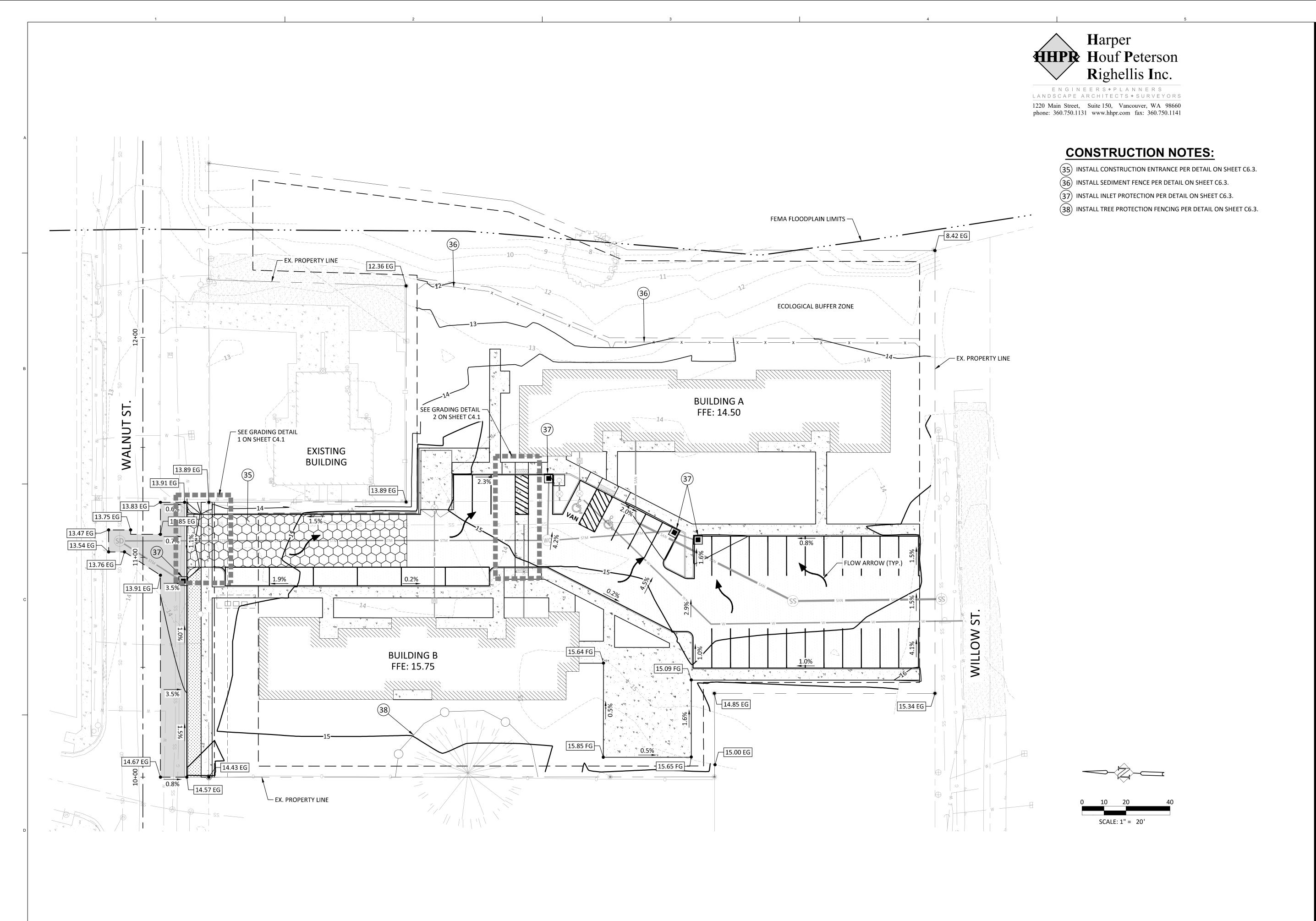
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MILLLOW GROVE 1106 WALNUT STREET KELSO, WA 98626

LAND USE PERMIT



C3.1
WALNUT ST.
PLAN & PROFILE





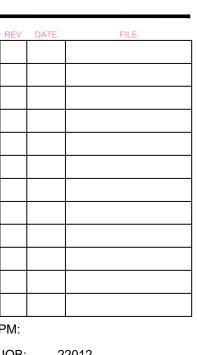


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JOB: 22012 DATE: 12/01/2

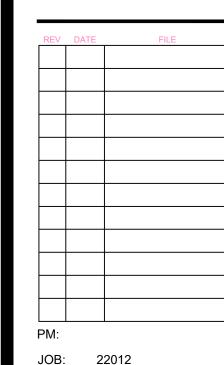
C4.0
GRADING &
ESC PLAN

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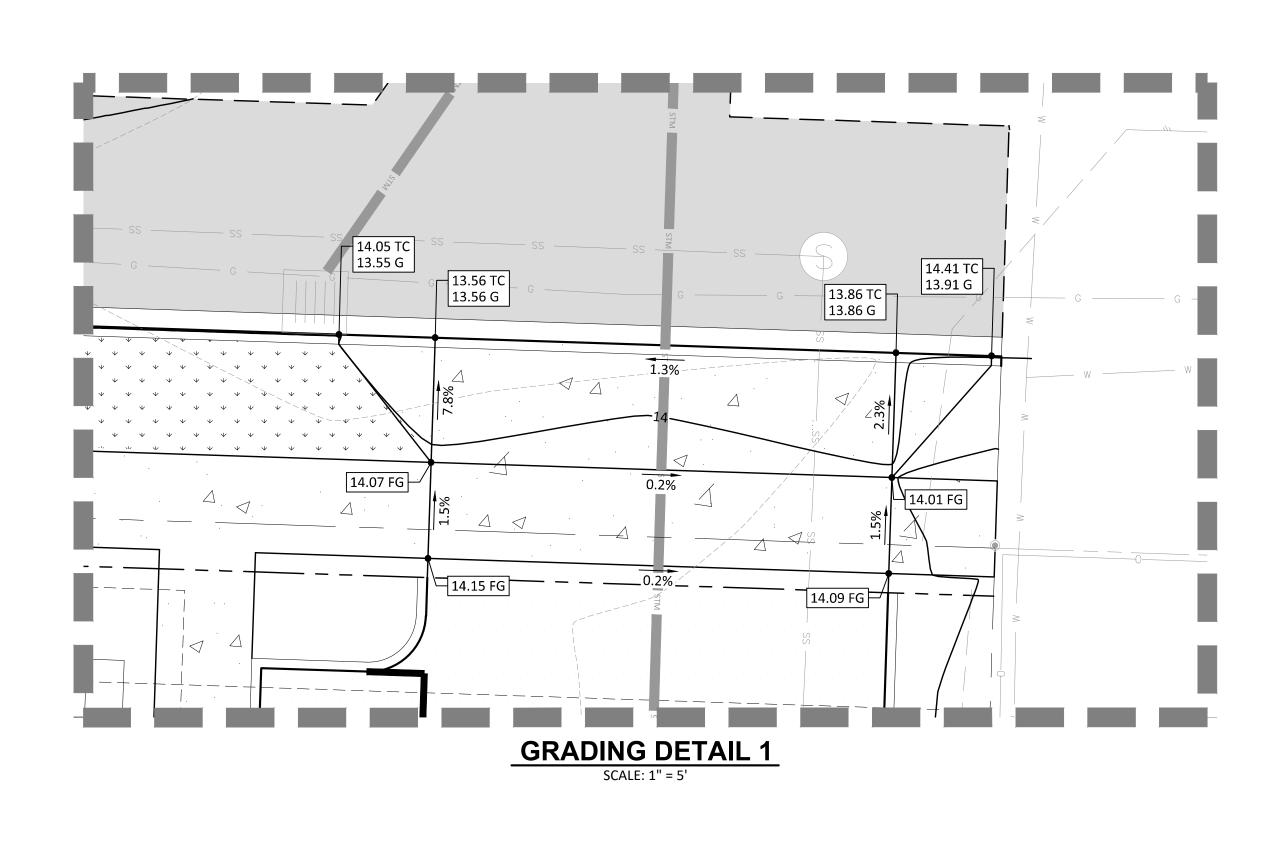
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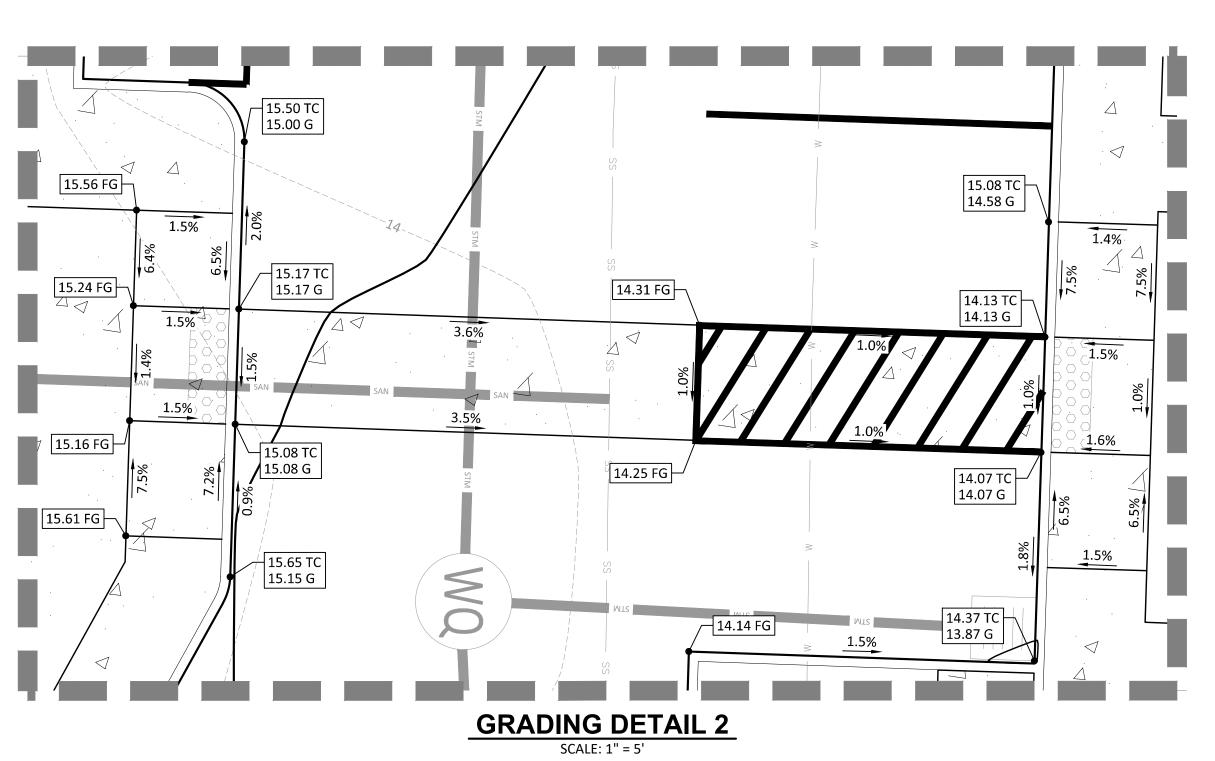
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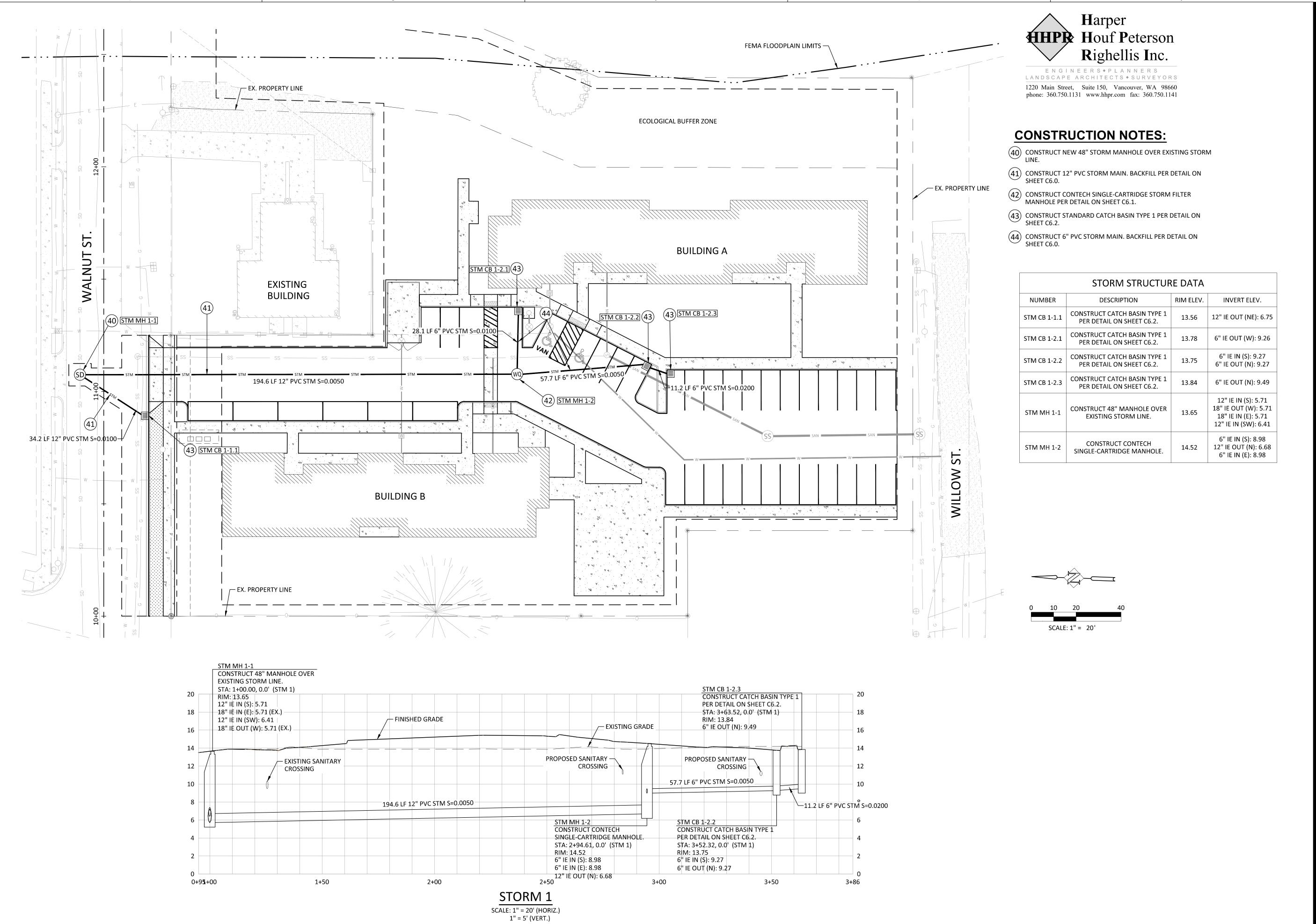


JOB: 22012 DATE: 12/01/2022

**GRADING DETAILS** 











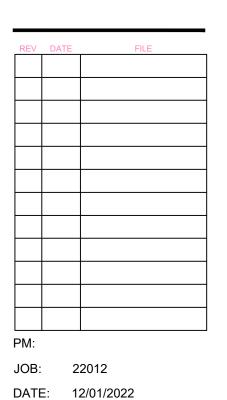
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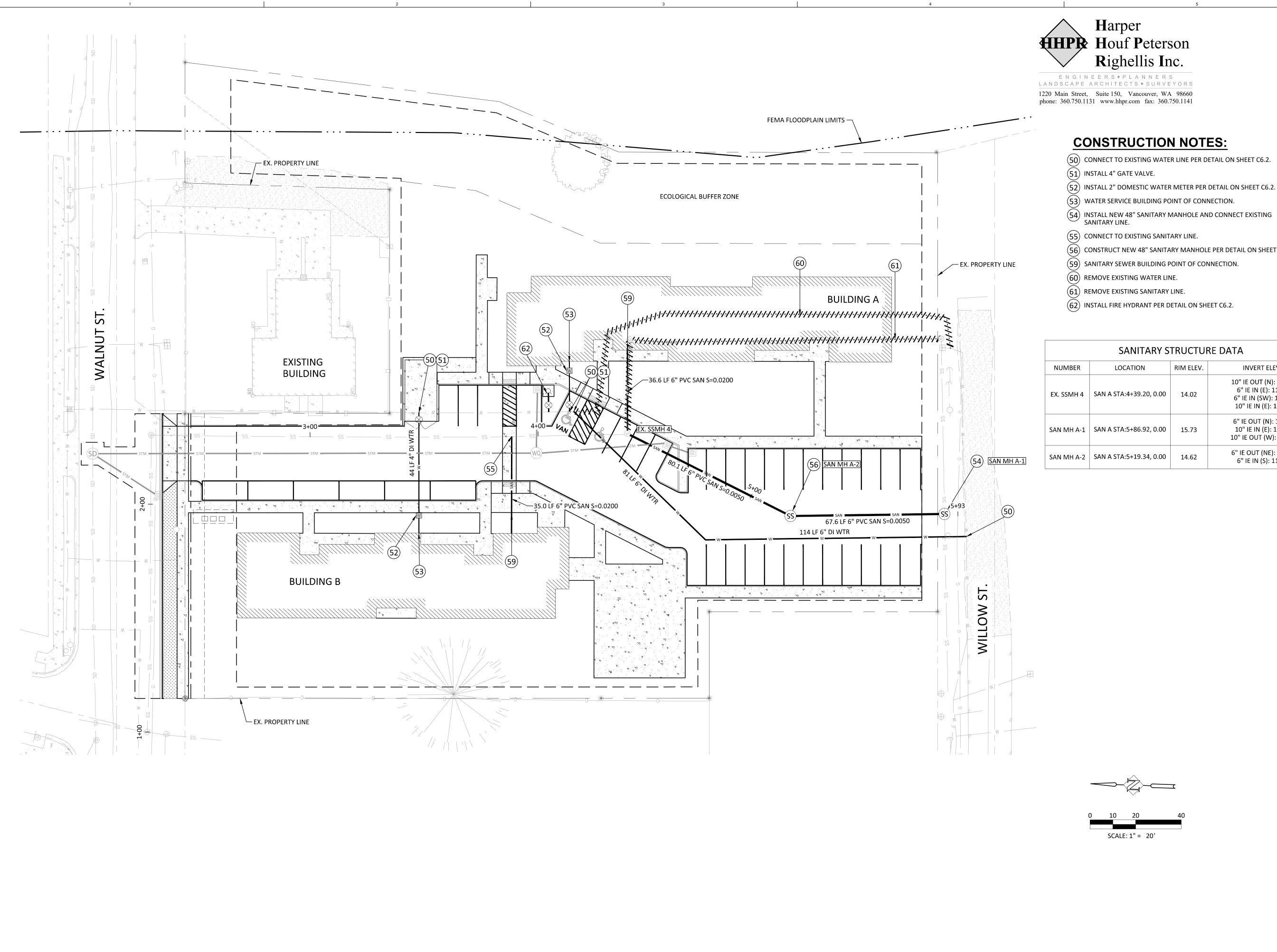
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# VILLLOW GROVE 1106 WALNUT STREET KELSO, WA 98626

LAND USE PERMIT



C5.0 STORM DRAINAGE PLAN



- (52) INSTALL 2" DOMESTIC WATER METER PER DETAIL ON SHEET C6.2.
- (53) WATER SERVICE BUILDING POINT OF CONNECTION.
- (56) CONSTRUCT NEW 48" SANITARY MANHOLE PER DETAIL ON SHEET C6.1.
- (59) SANITARY SEWER BUILDING POINT OF CONNECTION.

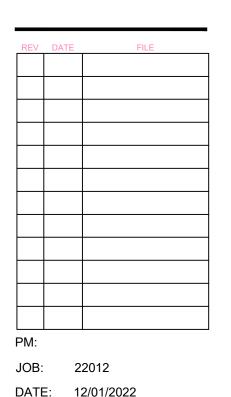
	SANITARY S	TRUCTUI	RE DATA
NUMBER	LOCATION	RIM ELEV.	INVERT ELEV.
EX. SSMH 4	SAN A STA:4+39.20, 0.00	14.02	10" IE OUT (N): 10.87 (EX.) 6" IE IN (E): 11.37 (PLUG) 6" IE IN (SW): 10.87 10" IE IN (E): 10.96
SAN MH A-1	SAN A STA:5+86.92, 0.00	15.73	6" IE OUT (N): 11.61 (EX.) 10" IE IN (E): 11.61 10" IE OUT (W): 11.61(PLUG)
SAN MH A-2	SAN A STA:5+19.34, 0.00	14.62	6" IE OUT (NE): 11.27 6" IE IN (S): 11.27



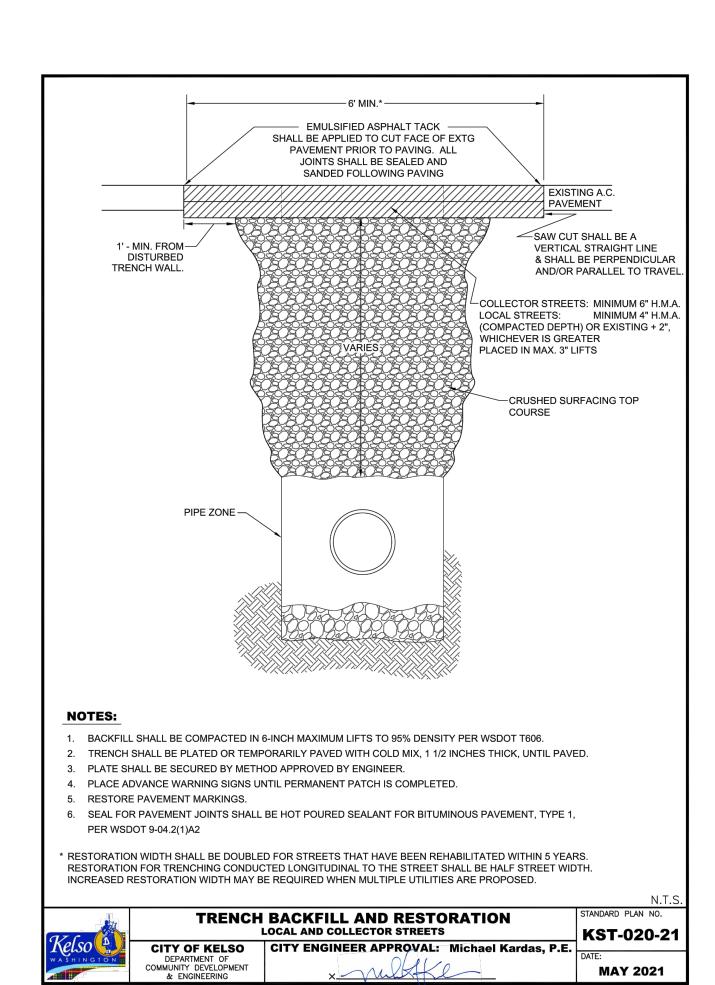


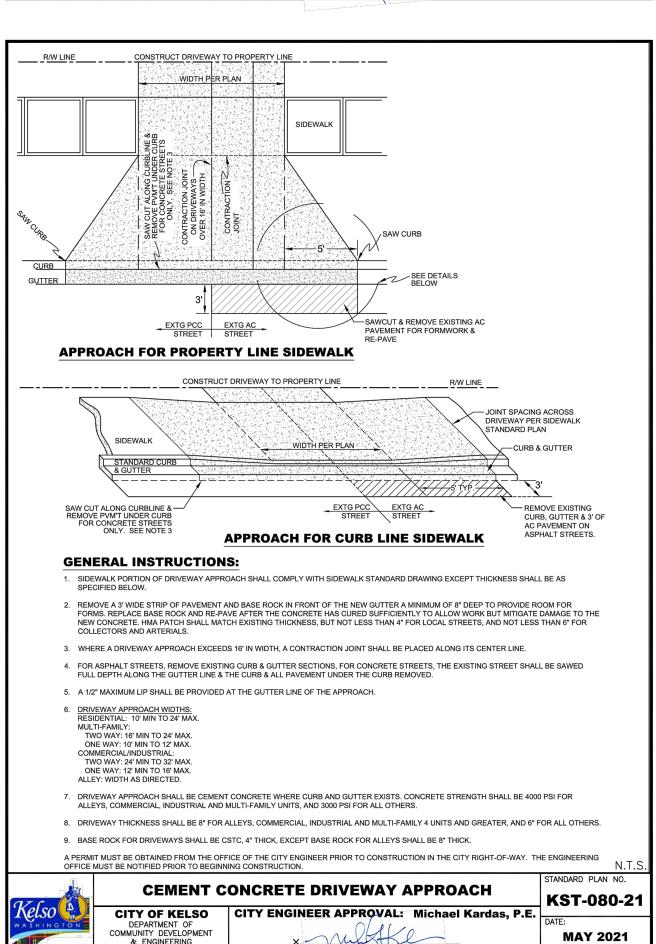
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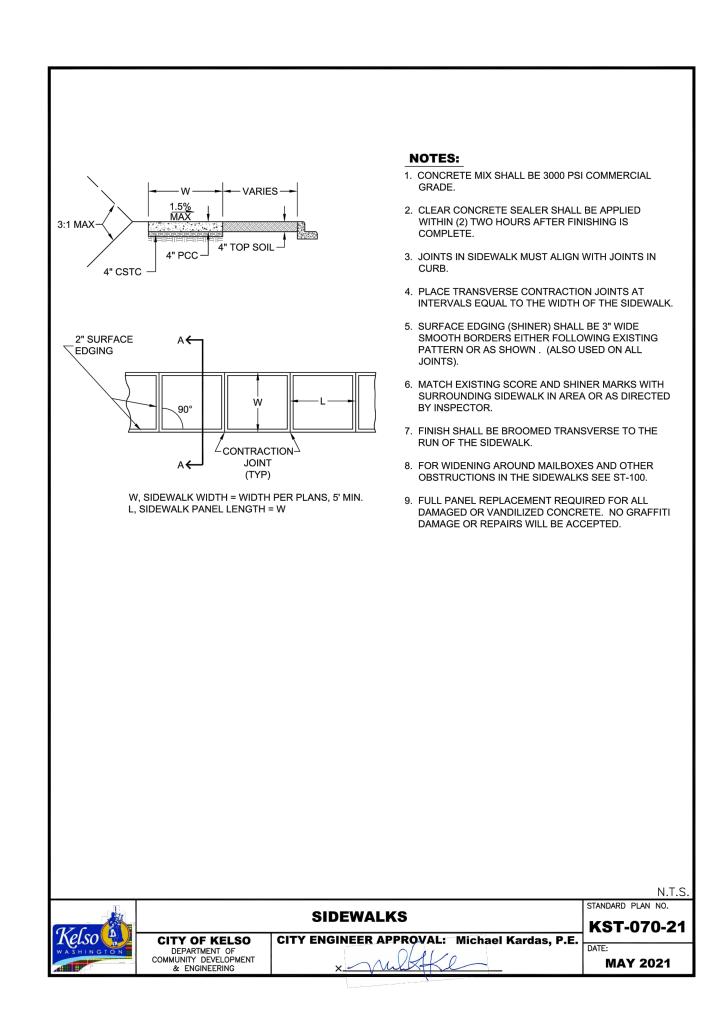
LAND USE **PERMIT** 

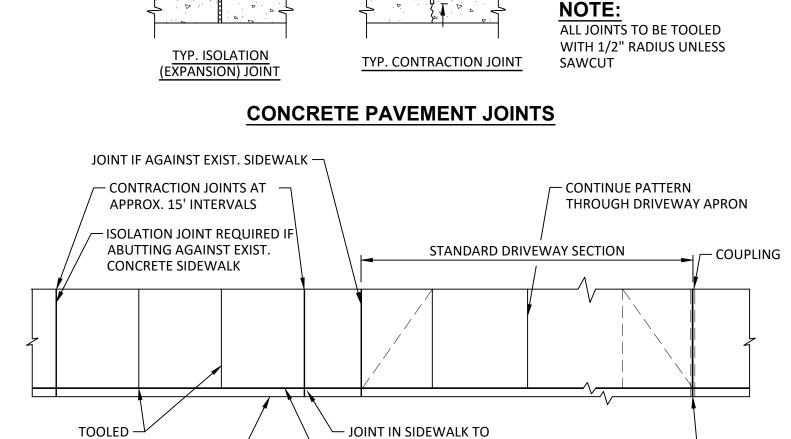


C5.1 SANITARY & WATER PLAN









PRE MOLDED -JOINT MATERIAL

"DUMMY" JOINTS

AT APPROX. 5'

INTERVALS

STANDARD CURB -

NOTE: SIDEWALKS 8 FEET AND WIDER SHALL HAVE A LONGITUDINAL CONTRACTION JOINT AT THE MIDPOINT.

MATCH JOINT IN CURB

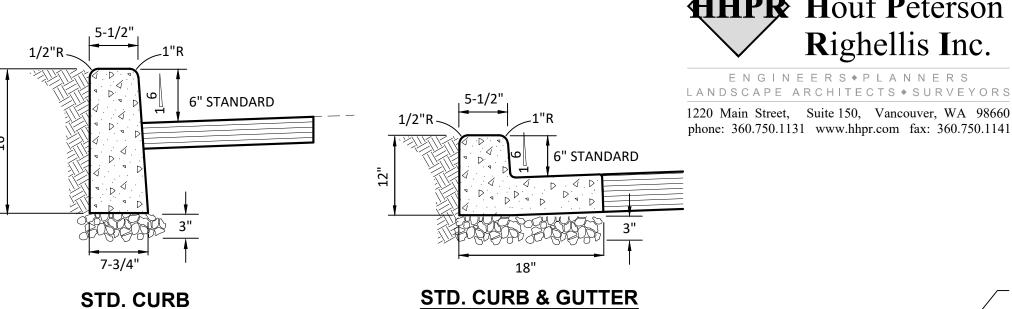
CURB AND SIDEWALK

- PLACE BOND BREAKER BETWEEN

WEEP HOLE LOCATE →

AS DIRECTED

# **CONCRETE SIDEWALK**



**CURB DETAILS** 

N.T.S.

8" C.S.B.C.

**HMA DRIVE AISLE SECTION** 

NOTES:

SPACING.

- 1. CONCRETE SHALL BE 4000 PSI MIN., 3-1/2" SLUMP (MAX.).
- 2. CURBS ADJACENT TO PAVEMENT OR SIDEWALK TO HAVE EXPANSION AND/OR CONSTRUCTION JOINTS TO MATCH EXISTING PATTERNS.
- 3. 3/8" EXPANSION JOINTS SHALL BE PLACED AT 7. WHERE MATCHING EXISTING CURBS, ALL 45' MAXIMUM SPACING, ON BOTH SIDES OF CATCH BASINS, AT TOPS OF DRIVEWAYS, AND ALL CHANGES IN DIRECTION. 1 1/2" CUT JOINTS TO BE PLACED AT 15' MAXIMUM

OREGON TRANSPORTATION COMMISSION REQUIREMENTS.

2. SYMBOL SHALL HAVE A BACKGROUND MEETING CURRENT A.D.A. ACCESSIBILITY

ACCESSIBLE PARKING SYMBOL

GUIDELINE AND OREGON TRANSPORTATION COMMISSION REQUIREMENTS.

- 4. CURB SHALL BE PLACED ON 3" MIN. DEPTH 5/8"-0 CRUSHED AGGREGATE.
- 5. COMPACT SUBGRADE AND AGGREGATE TO 95% MAXIMUM DRY DENSITY.
- 6. CURB TO BE MEDIUM BROOM FINISHED.
- EXISTING EDGES SHALL BE SAWCUT.

→ 3" OF H.M.A. CL. 1/2", PG 64-22

(91% COMPACTION PER ASTM D-2041)

(95% COMPACTION PER ASTM D-1557)

T── FULLY COMPACTED SUBGRADE, MIN. 12"

(95% COMPACTION PER ASTM D-698)

#### COMPACTED SUBGRADE (95% COMPACTION-RELATIVE DENSITY)

PRIVATE CONCRETE

Harper

ENGINEERS + PLANNERS

LANDSCAPE ARCHITECTS + SURVEYORS

SIDEWALK/PATH SECTION

- 4" 3000 PSI MINIMUM PORTLAND

SURFACING TOP COURSE

4" MIN. DEPTH 3/4" MINUS CRUSHED

**CEMENT CONCRETE** 

- STANDARD CURB - VARIES PER PLAN -— 4" WHITE STRIPE (TYP.) 18.0'

**PARKING STALL STRIPING** 

### PARKING SIGN (SEE PLAN FOR SIGN LOCATION) - STANDARD CURB ACCESSIBLE ROUTE - WHITE TRAFFIC PAINT TO BE METHYL METHACRYLATE WHEEL STOP (MMA) (TYP) 4" WHITE LINE 4" WHITE STRIPE (TYP.) ACCESSIBLE PARKING -STALL MAX SLOPE 2% ANY - ACCESSIBLE DIRECTION PARKING STALL MAX SLOPE 2% ANY DIRECTION NOTES: 1. SYMBOL AND PAINT SHALL MEET CURRENT A.D.A. ACCESSIBILITY GUIDELINE AND

VAN/STANDARD ACCESSIBLE PARKING **STALL & AISLE STRIPING DETAIL** 

**ACCESS AISLE** 





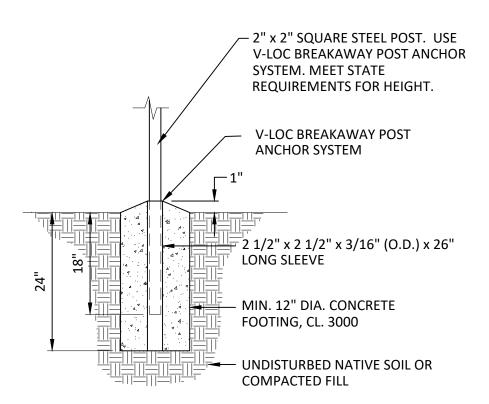
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STRE 9862

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PM: JOB: 22012 DATE: 12/01/2022

> C6.0 **DETAILS**

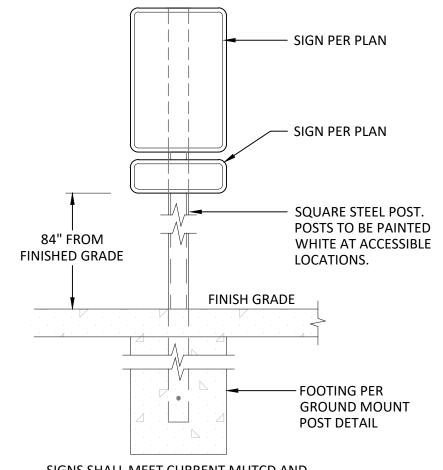


# **GROUND MOUNT POST DETAIL**



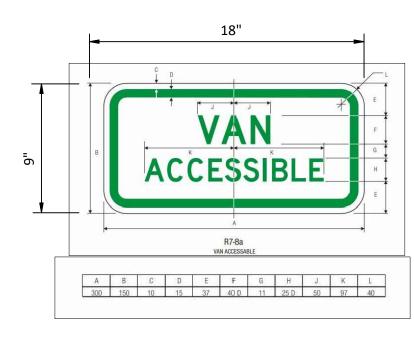
SIGN BACKGOUND: WHITE, RETRO-REFLECTIVE SHEETING SIGN LEGEND: GREEN, RETRO-REFLECTIVE
SYMBOL: WHITE ON BLUE BACKGROUND, RETRO-REFLECTIVE

# **RESERVED PARKING SIGN DETAIL**



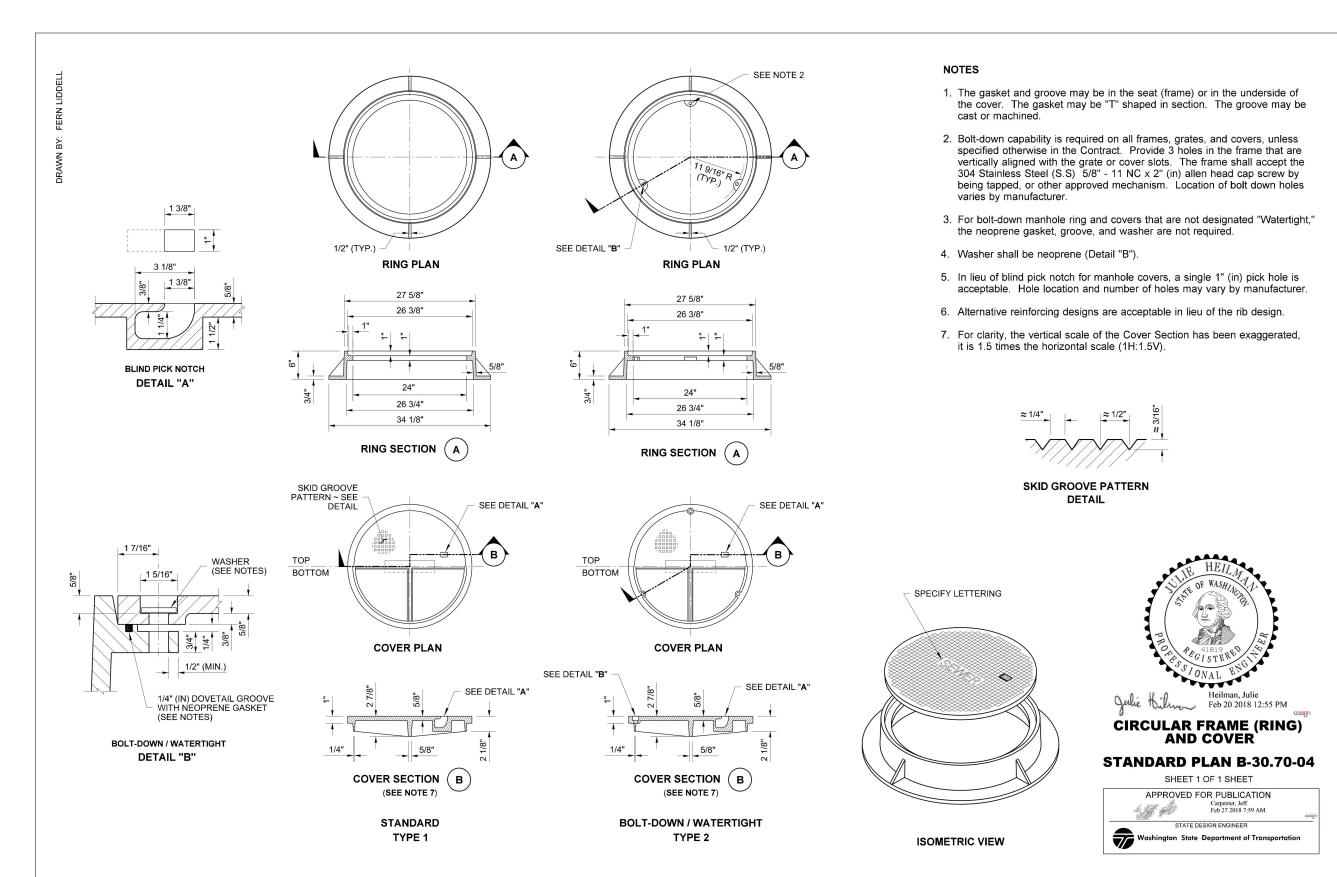
SIGNS SHALL MEET CURRENT MUTCD AND OREGON TRANSPORTATION REQUIREMENTS

# SIGN INSTALL DETAIL



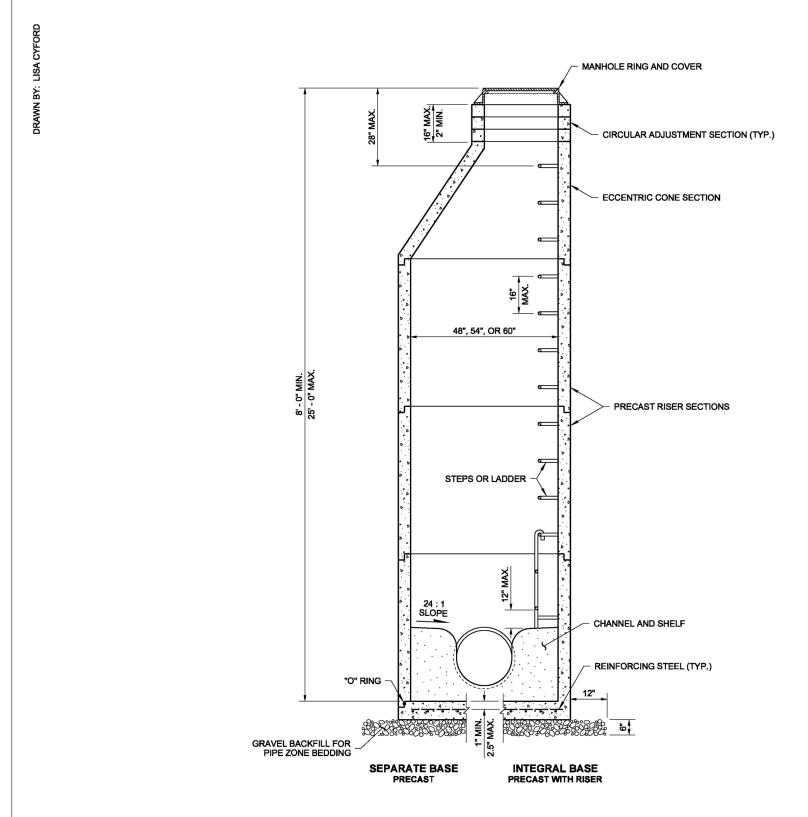
SIGN BACKGOUND: WHITE, RETRO-REFLECTIVE SHEETING SIGN LEGEND: GREEN, RETRO-REFLECTIVE SHEETING

# **VAN ACCESSIBLE PARKING SIGN DETAIL**



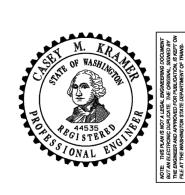


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- 1. Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum.
- 2. For pipe allowances, see Standard Plan B-10.20.

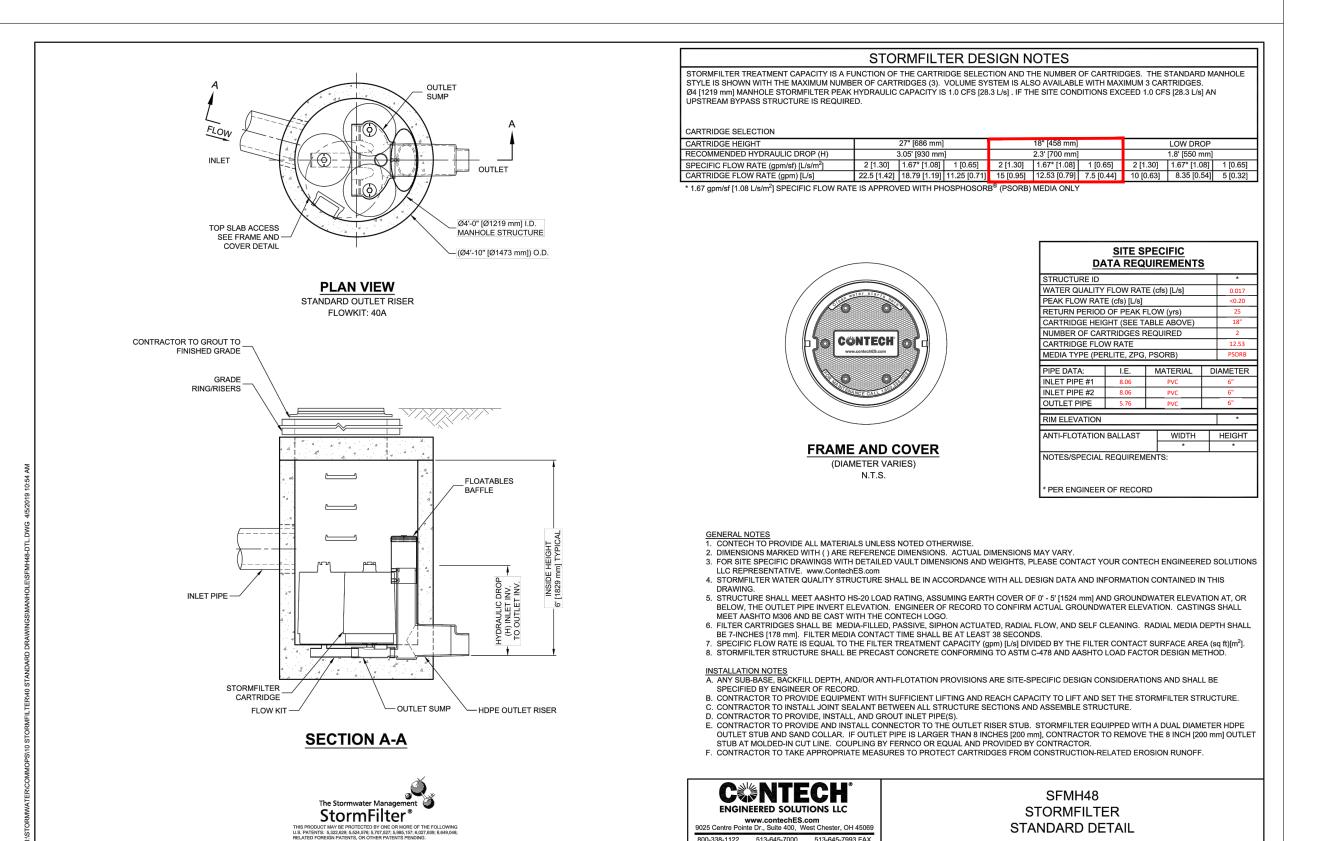
MANHOLE DIMENSION TABLE					
DIAM.	MIN. WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS	
48"	4"	6"	36"	8"	
54"	4.5"	8"	42"	8"	
60"	5"	8"	48"	8"	



#### **MANHOLE TYPE 1**

STANDARD PLAN B-15.20-01 SHEET 1 OF 1 SHEET APPROVED FOR PUBLICATION

Pasco Bakotich III 02-07-12 Washington State Department of Transportation



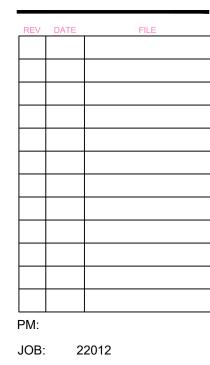




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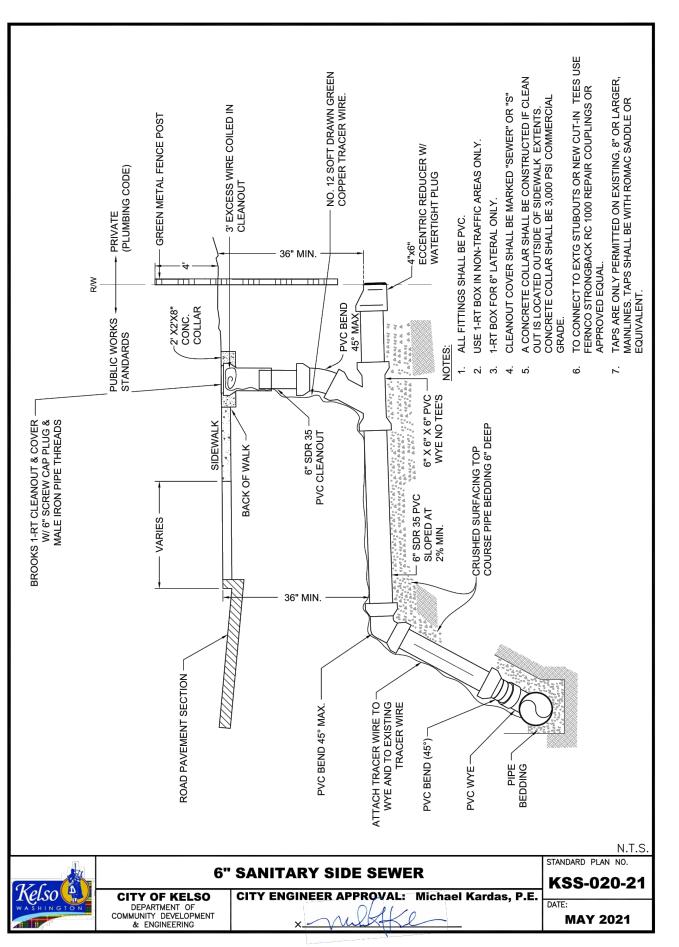
STRE1 98626

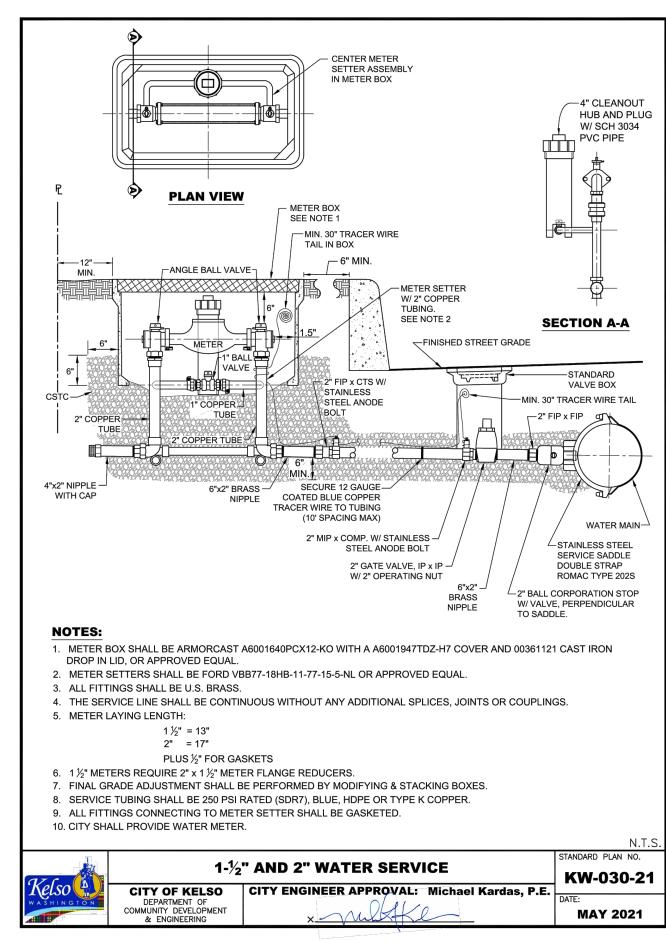
LAND USE PERMIT

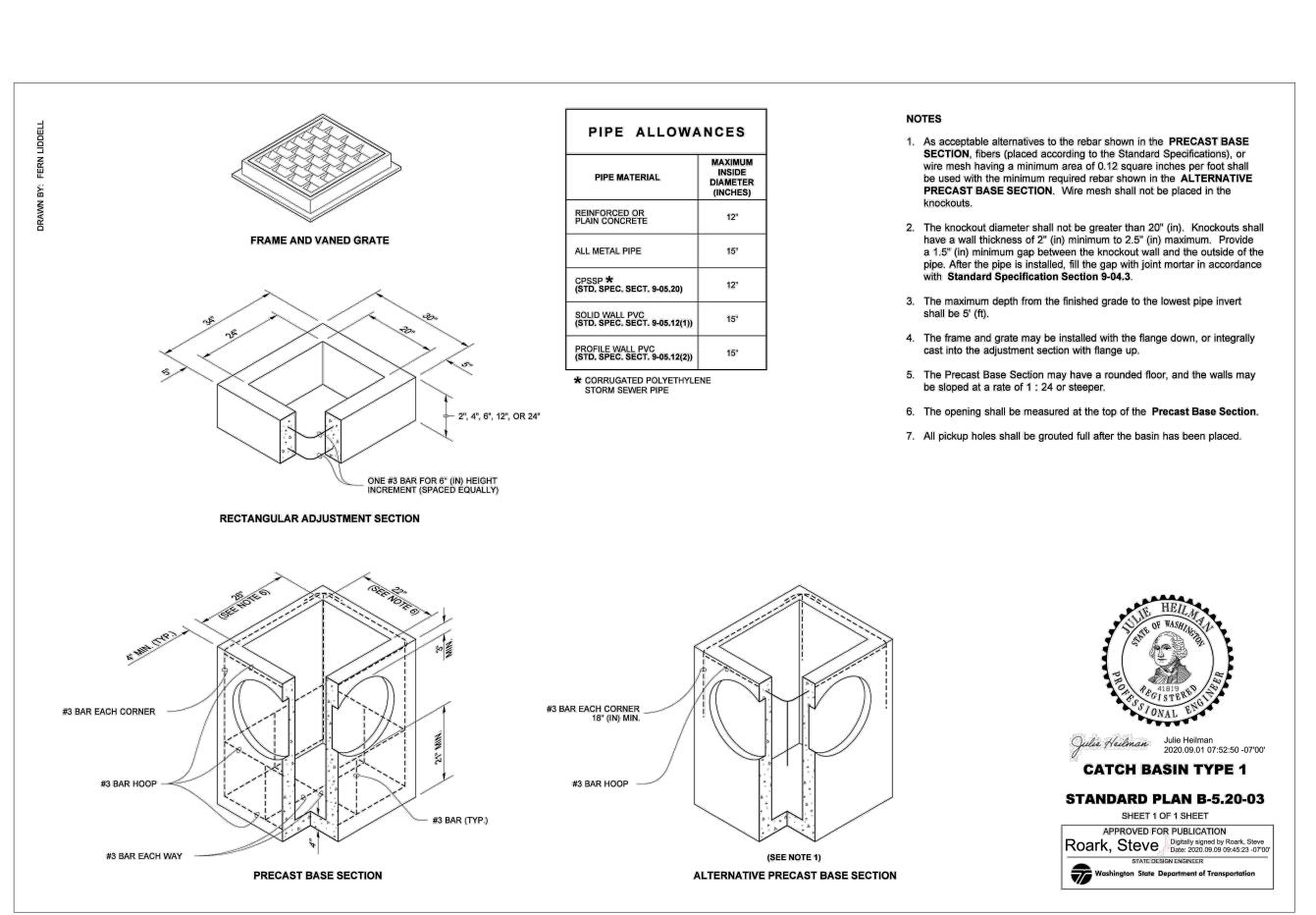


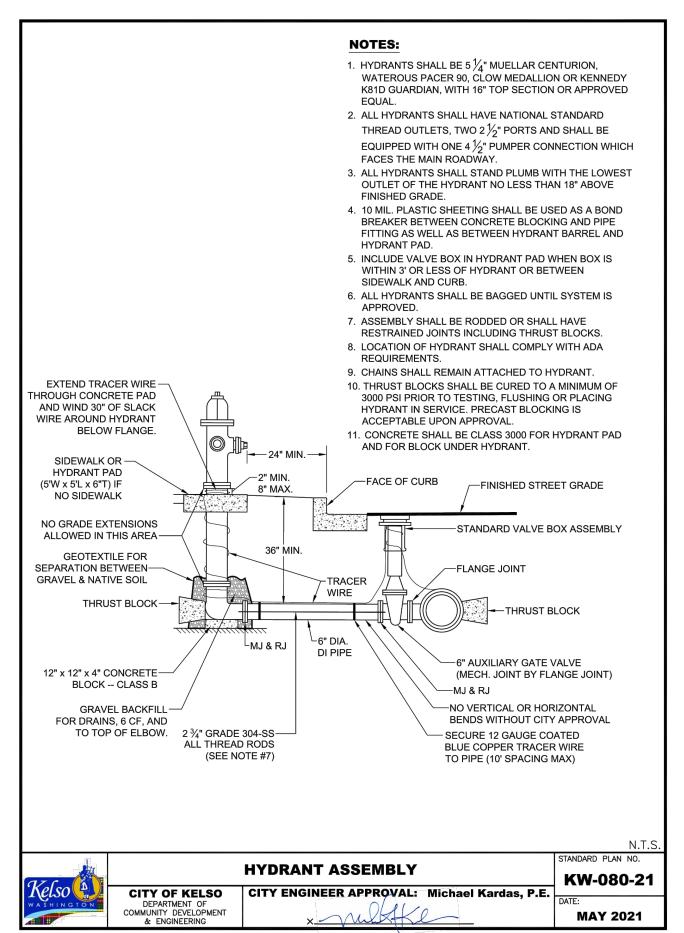
DATE: 12/01/2022

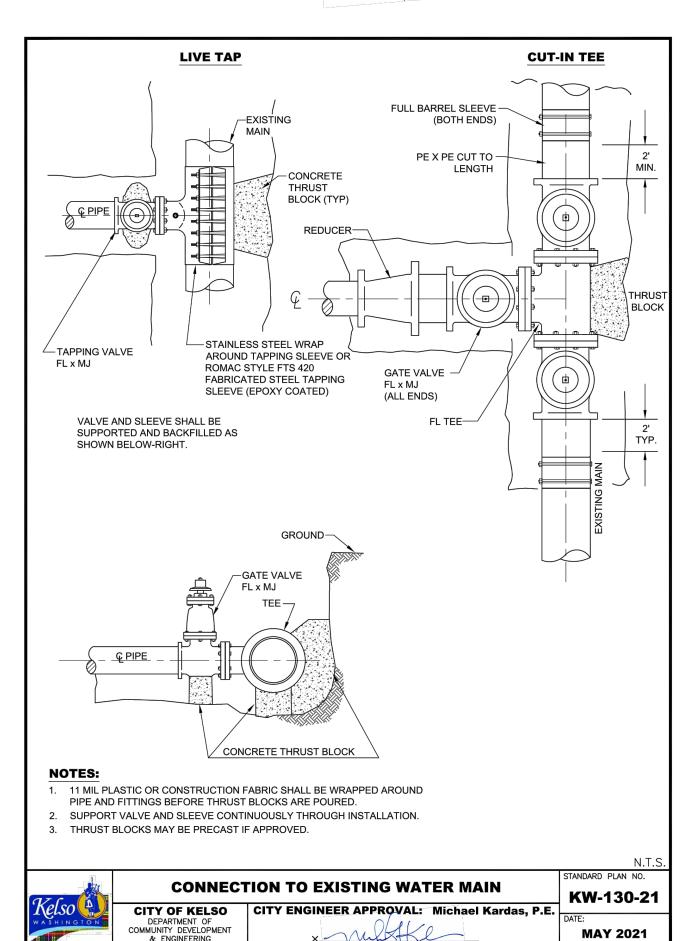
**DETAILS** 

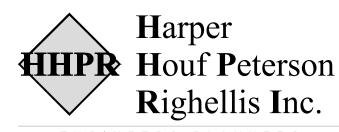












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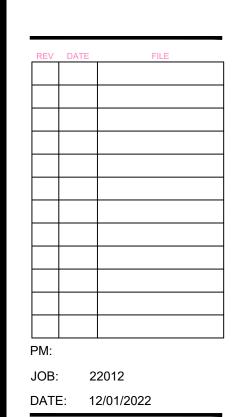


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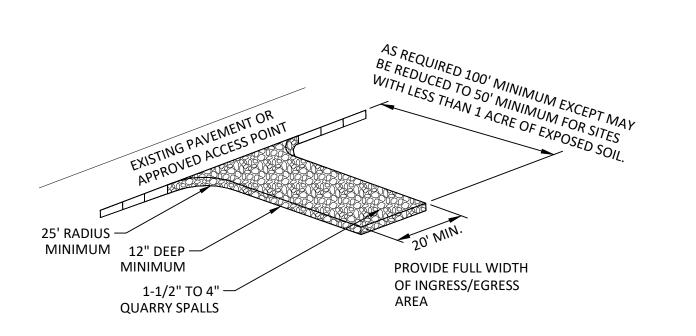
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C6.2



# ANGLE FILTER FABRIC — FENCE TO ASSURE SOIL IS TRAPPED INTERLOCKED -2"x2" POSTS AND ATTACH

# **PLAN VIEW**

#### NOTES:

- 1. IF THE ENTRANCE SITS ON A SLOPE, PLACE A FILTER FABRIC FENCE DOWN GRADIENT TO PREVENT SEDIMENT LADEN WATER FROM LEAVING THE SITE. WHEN THE CONSTRUCTION ENTRANCE BECOMES CLOGGED WITH SEDIMENTS, TOP DRESS THE PAD WITH CLEAN 3" MINUS ROCK.
- 2. ANY SEDIMENT CARRIED FROM THE SITE ONTO THE STREET SHALL BE CLEANED UP IMMEDIATELY.
- 3. IF EQUIPMENT TRAVELS EXTENSIVELY ON UNSTABILIZED ROADS ON THE SITE, A TIRE AND VEHICLE WHEEL WASH NEAR THE ENTRANCE WILL BE NEEDED. PERFORM WASHING ON CRUSHED ROCK. WASH WATER WILL REQUIRE TREATMENT IN A SEDIMENT POND OR TRAP.

# — USE STITCHED LOOPS OVER 2"x2" POSTS 3' MINIMUM FROM TOE SLOPE

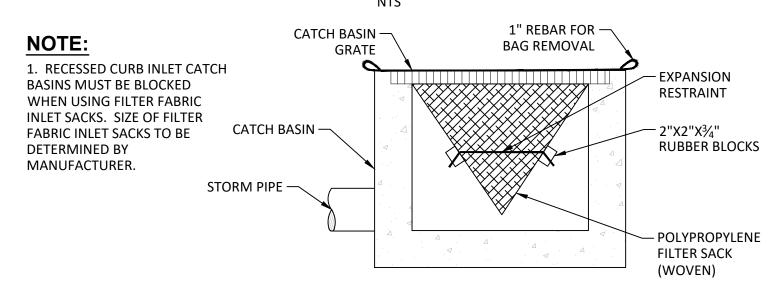
# NOTES:

- BURY BOTTOM OF FILTER FABRIC 6" VERTICALLY BELOW FINISHED GRADE. 2. 2"x2" FIR, PINE OR STEEL FENCE POSTS.
- 3. POSTS TO BE INSTALLED ON UPHILL
- SIDE OF SLOPE.
- 4. COMPACT BOTH SIDES OF FILTER

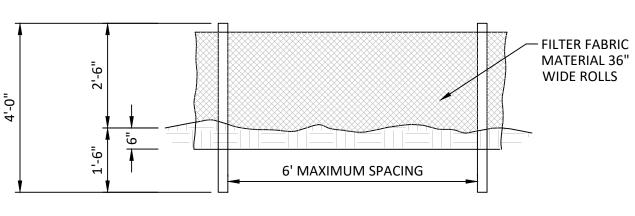
TO SPACING ON DETAIL.

FABRIC TRENCH. 5. PANELS MUST BE PLACED ACCORDING

# **GRAVEL CONSTRUCTION ENTRANCE**



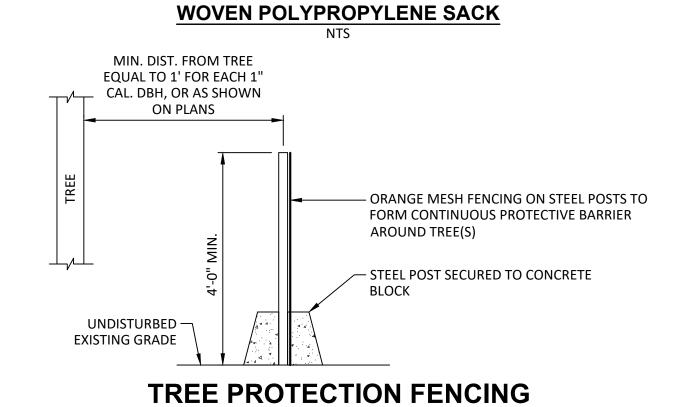
# **PROFILE**



# **FRONT VIEW**

# SEDIMENT FENCE

# **INLET PROTECTION TYPE 5**





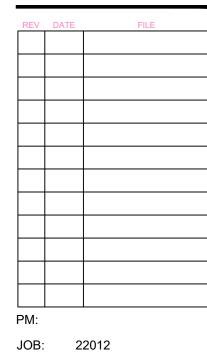
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**DETAILS**