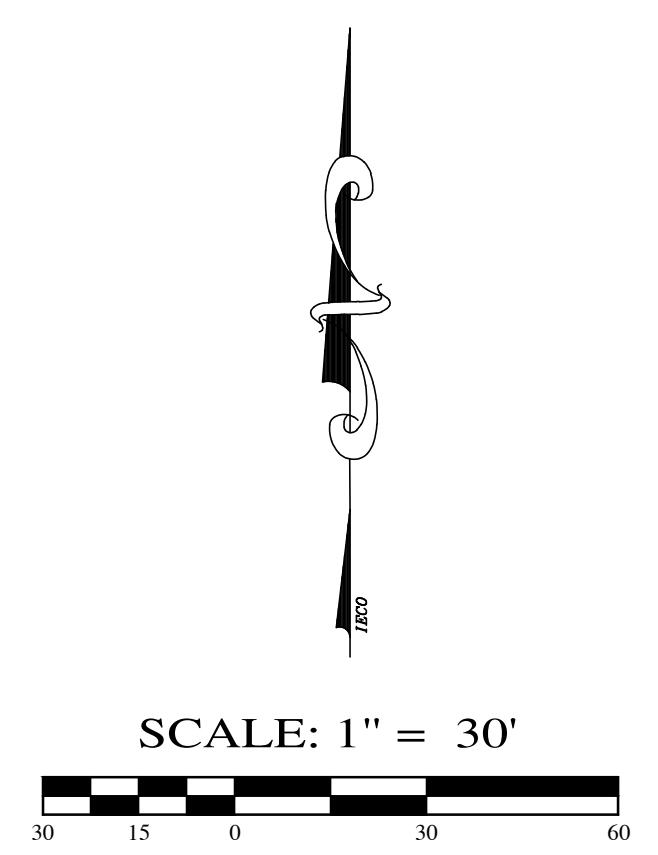






SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON




**UTILITY CONFLICT NOTE:**  
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**CITY OF MARYSVILLE**  
**CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**  
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THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_\_\_.  
BY: \_\_\_\_\_  
KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER  
THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 22A.040.020 AND 22A.040.030.

REV. NO.	DESCRIPTION	INITIALS	DATE





**INSIGHT ENGINEERING CO.**  
P.O. BOX - 1478  
EVERETT, WA 98206  
(425) 303-9363 (425) 303-9362 FAX  
INFO@INSIGHTENGINEERING.NET

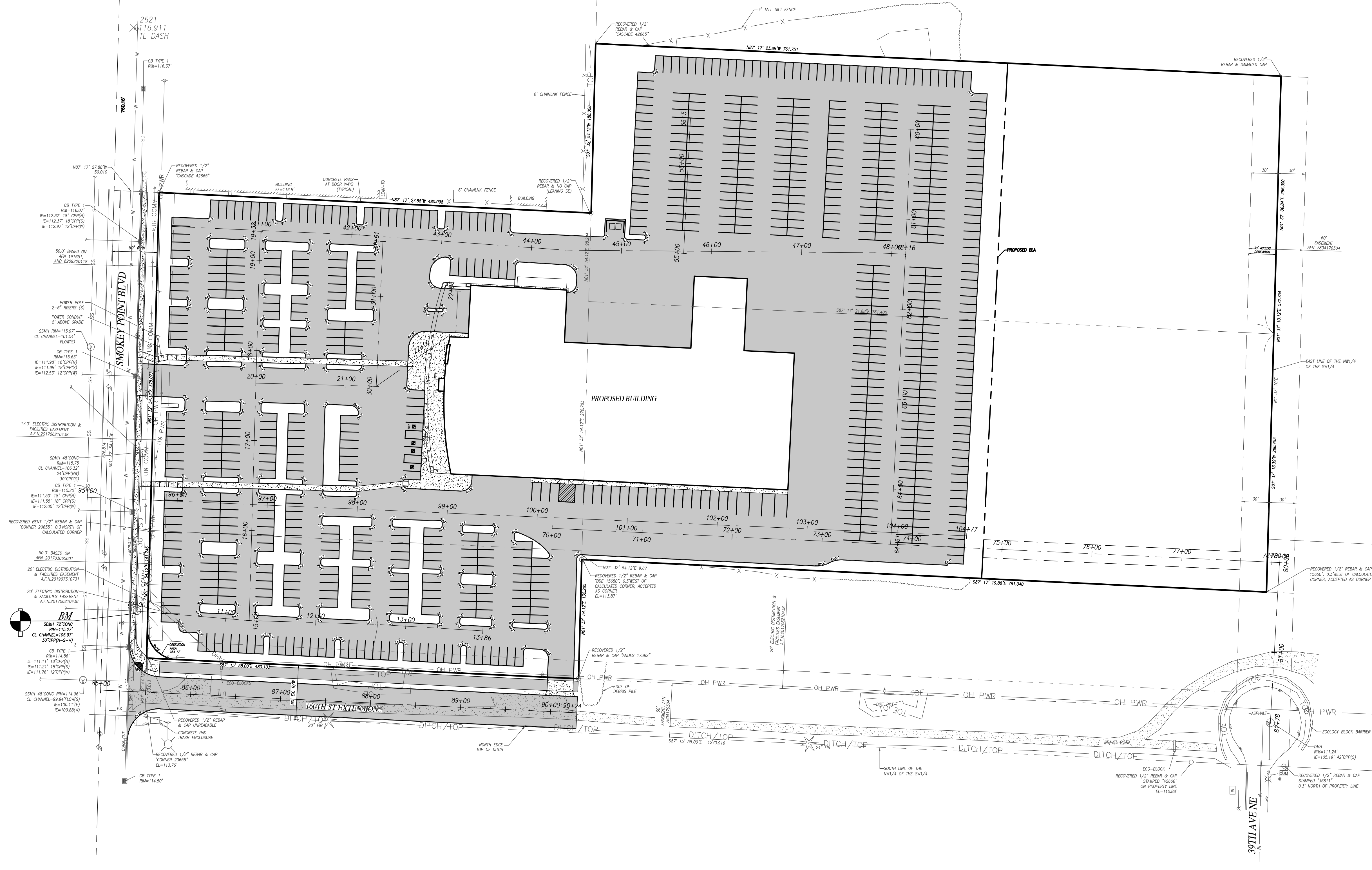
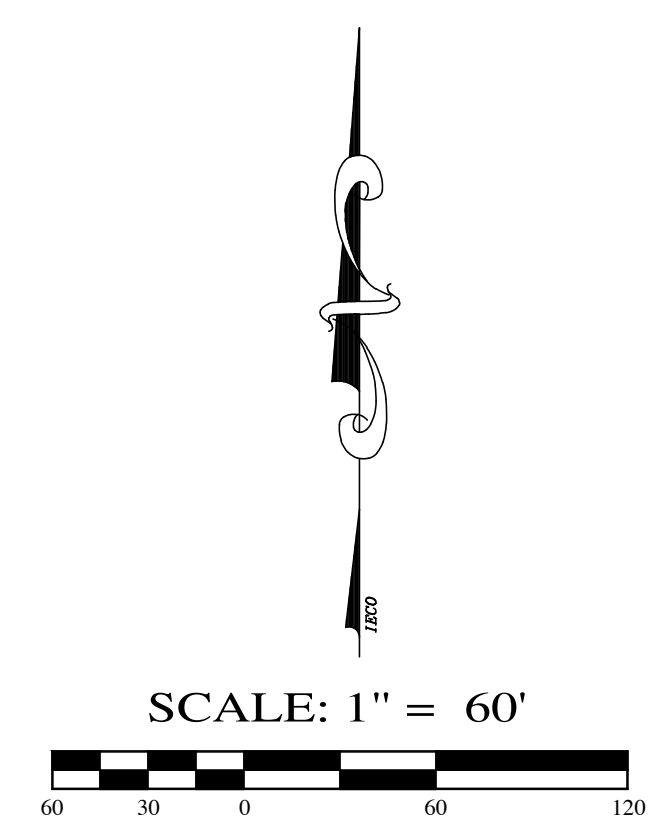
SITE ADDRESS: XXXXX SMOKEY POINT BLVD  
MARYSVILLE, WA 98223  
TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
**KENDALL AUTO GROUP**

DWG FILENAME	DESIGNED BY:	DATE:	SCALE:	JOB NO.:
201092-FINAL.DWG	SPC	06-05-2022	1"=30'	20-1092

EXISTING FEATURES MAP CL.1

SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



**KENDALL AUTO GROUP**



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SITE ADDRESS: XXXXX SMOKEY POINT BLVD  
MARYSVILLE, WA 98223

TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

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SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
**KENDALL AUTO GROUP**

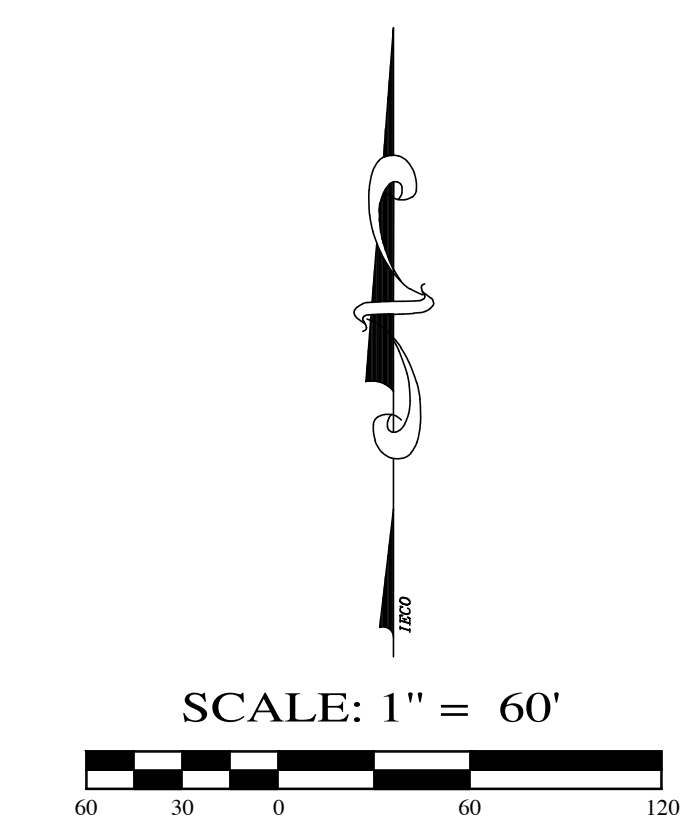
DWG FILENAME	DESIGNED BY:	DATE:	SCALE:	JOB NO.:
201092-FINAL.DWG	SPC	06-05-2022	1"=60'	20-1092

SHEET  
**CI.2**

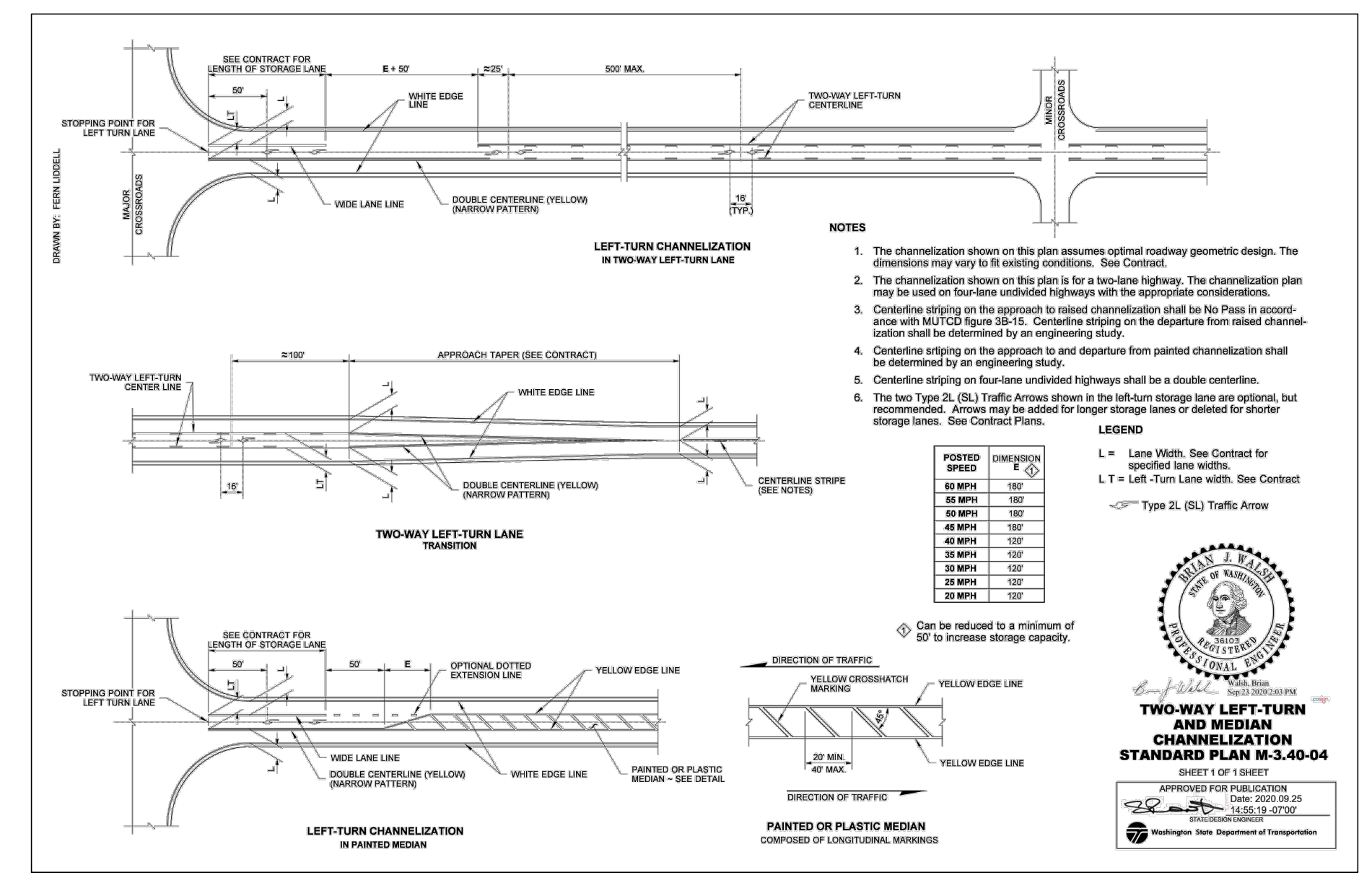
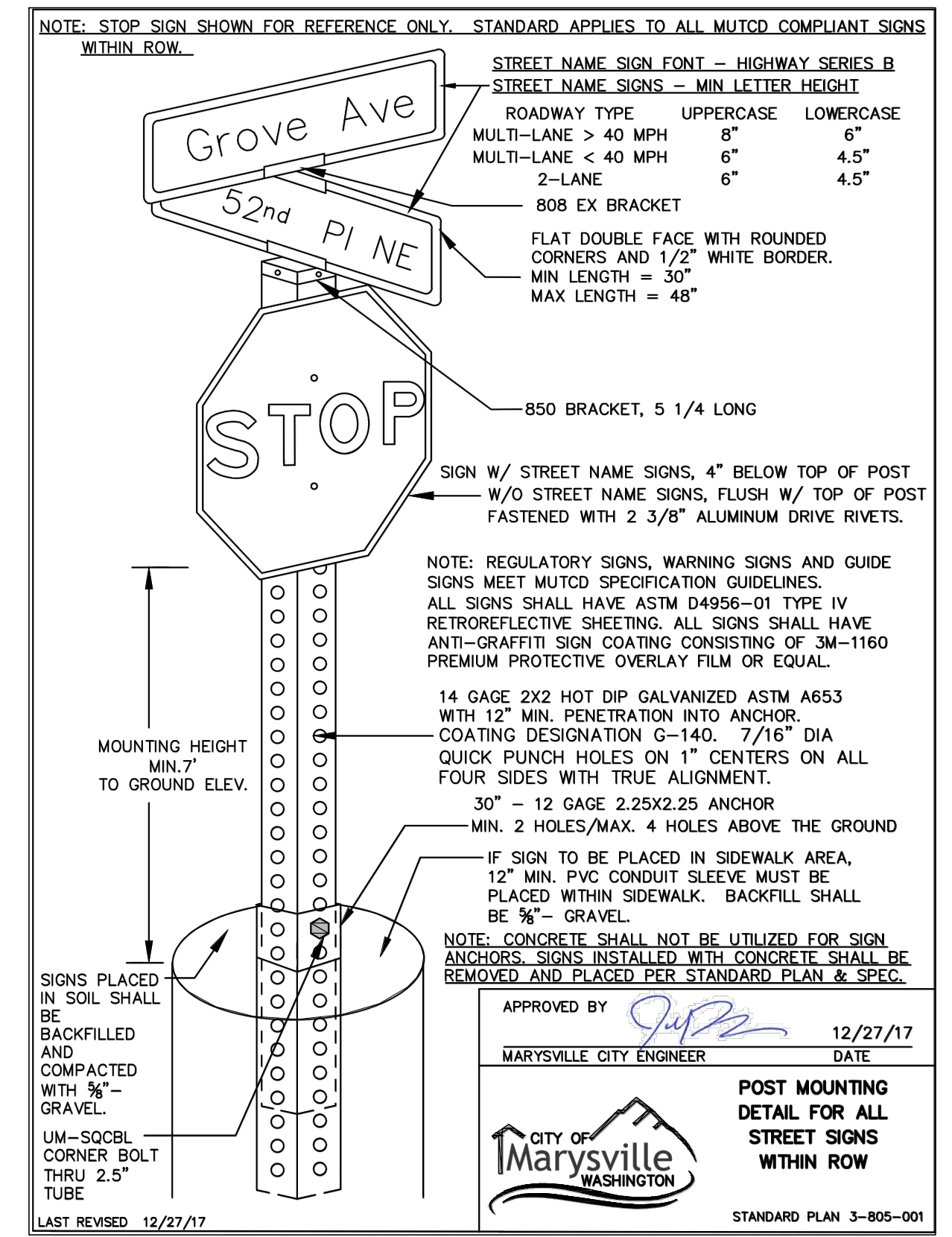
HORIZONTAL CONTROL PLAN



SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



SIGN SCHEDULE					
SIGN #	MUTCD #	SIGN DESCRIPTION	EXISTING LOCATION	PROPOSED LOCATION	COMMENTS
1	R1-1	STOP	N/A	STA: 85+53.53, 21.98'L STA: 17+83.53, 104.10'L	
2	D3	STREET NAME (160TH ST EXTENSION)	N/A	STA: 85+53.53, 21.98'L	
3	R2-1	SPEED LIMIT (25 MPH)	N/A	STA: 86+02.92, 20.27'R STA: 86+72.39, 20.27'R	
4	W2-4	DEAD END	N/A	STA: 86+02.92, 20.27'R	



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BY: *[Signature]*  
KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER

APPROVED FOR PUBLICATION  
DATE: 2020.09.25  
15:53:32 (UTC)

Washington State Department of Transportation

REV. NO.	DESCRIPTION	INITIALS	DATE

PROFESSIONAL ENGINEER  
STATE OF WASHINGTON  
36499  
12/27/17

08/08/2022

**IECO**  
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TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

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**KENDALL AUTO GROUP**

DWG FILENAME: 201902-FINAL.DWG DESIGNED BY: SPC DATE: 06-05-2022 SCALE: 1"=60' JOB NO.: 20-1092  
SHEET

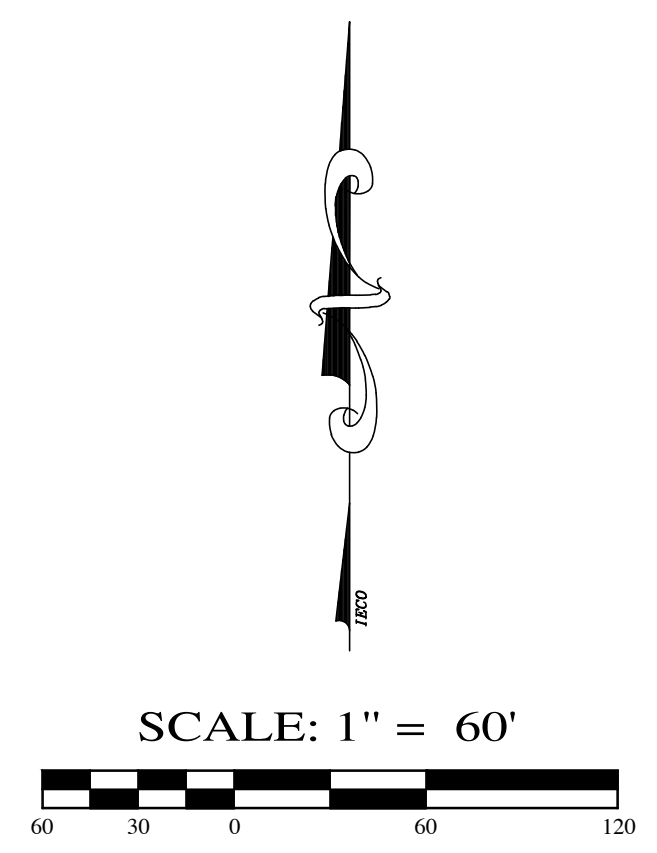
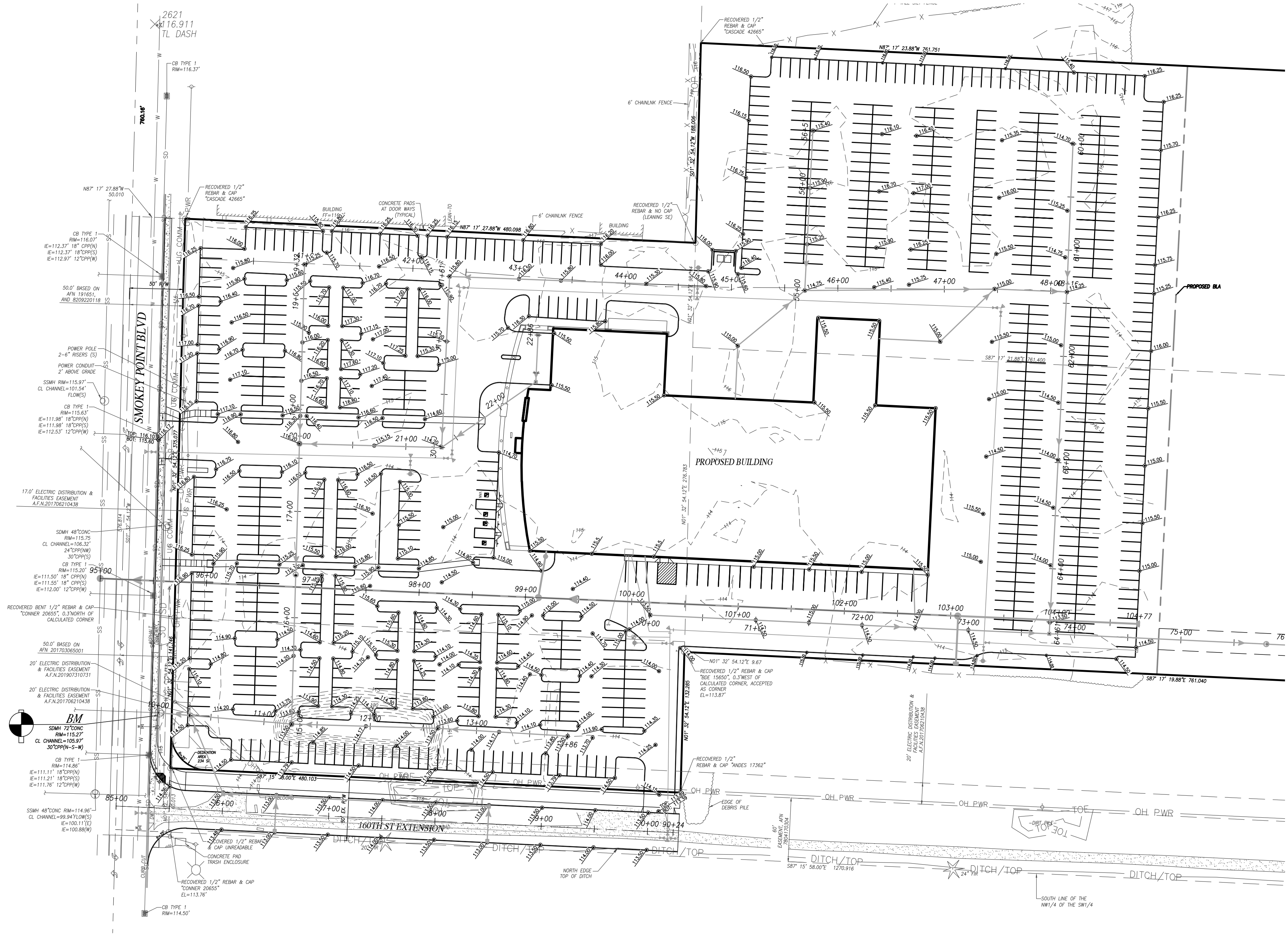
CHANNELIZATION PLAN **CI.3**

**811**  
Know what's below.  
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**KENDALL AUTO GROUP**



SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



**GRADING LEGEND:**

111.80 FINISH GRADE

DRAINAGE FLOW ARROW

**SOIL TYPE**  
CLUSTER FINE SANDY LOAM AND NORMA LOAM

**GRADING QUANTITIES:**  
CUT: 500 Cu.Yds.  
FILL: 500 Cu.Yds.

(GRADING QUANTITIES WERE CALCULATED USING THE LAND DEVELOPMENT DESKTOP COMPOSITE METHOD. CALCULATIONS DO NOT ACCOUNT FOR SOIL SWELLING AND SHRINKAGE.)

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REV. NO.	DESCRIPTION	INITIALS	DATE



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MARYSVILLE, WA 98223

TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
**KENDALL AUTO GROUP**

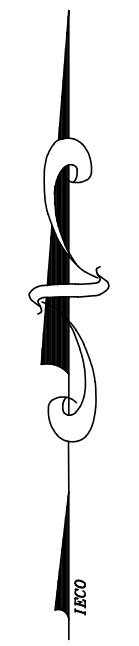
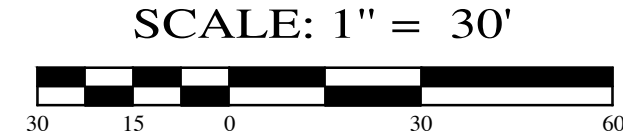
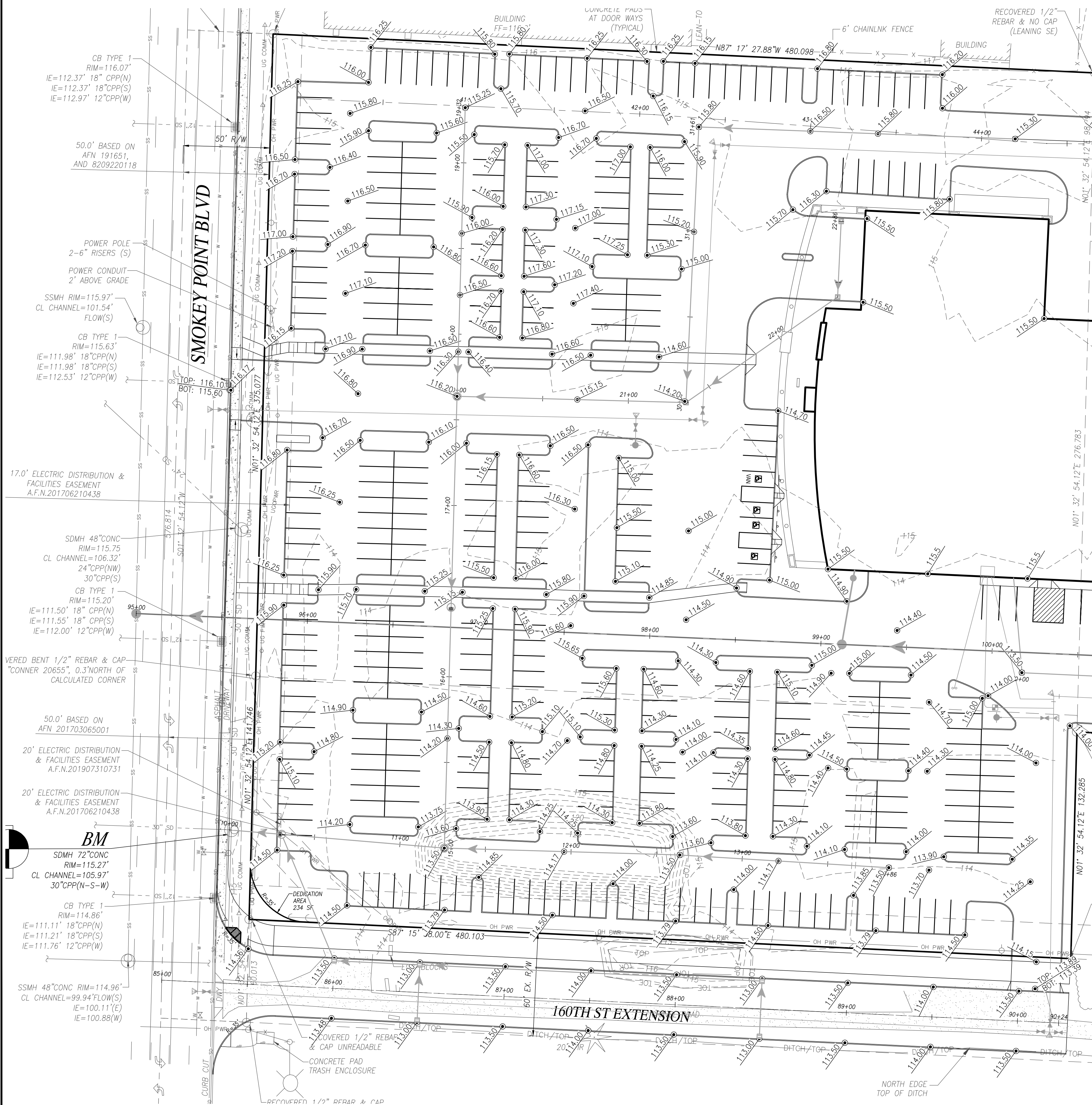
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DESIGNED BY: SPC  
DATE: 06-05-2022  
SCALE: 1"=30'  
JOB NO.: 20-1092  
SHEET C2.0

OVERALL GRADING PLAN

08/08/2022



SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



**GRADING LEGEND:**  
 FINISH GRADE  
 DRAINAGE FLOW ARROW

**SOIL TYPE**  
 CUSTER FINE SANDY LOAM AND NORMA LOAM

**GRADING QUANTITIES:**  
 CUT: 500 Cu.Yds.  
 FILL: 500 Cu.Yds.  
(GRADING QUANTITIES WERE CALCULATED USING THE LAND DEVELOPMENT DESKTOP COMPOSITE METHOD. CALCULATIONS DO NOT ACCOUNT FOR SOIL SWELLING AND SHRINKAGE.)

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REV. NO.	DESCRIPTION	INITIALS	DATE



SITE ADDRESS: XXXXX SMOKEY POINT BLVD, MARYSVILLE, WA 98223  
 TAX ACCOUNT NO.'S: 3105280031200, 31052800300600

SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
**KENDALL AUTO GROUP**

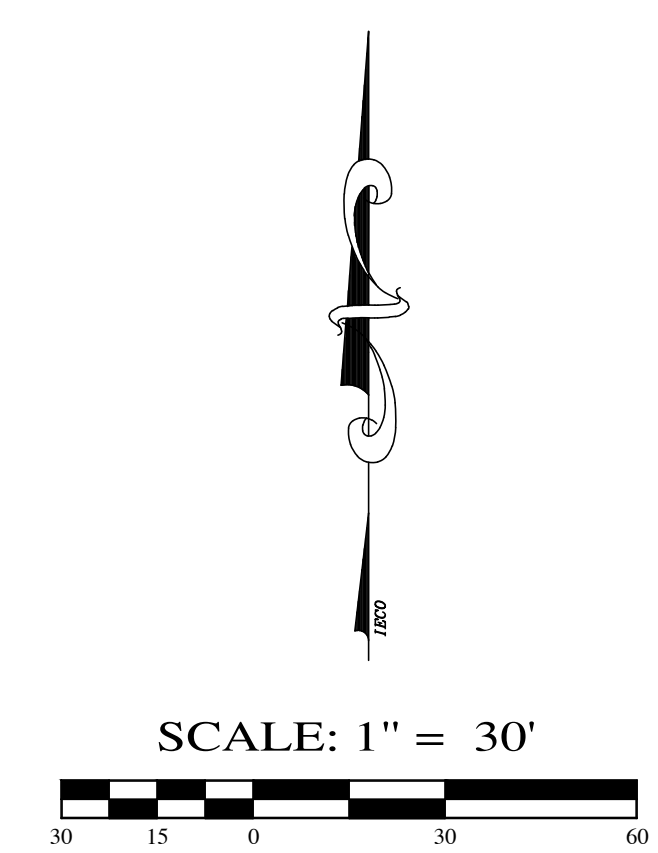
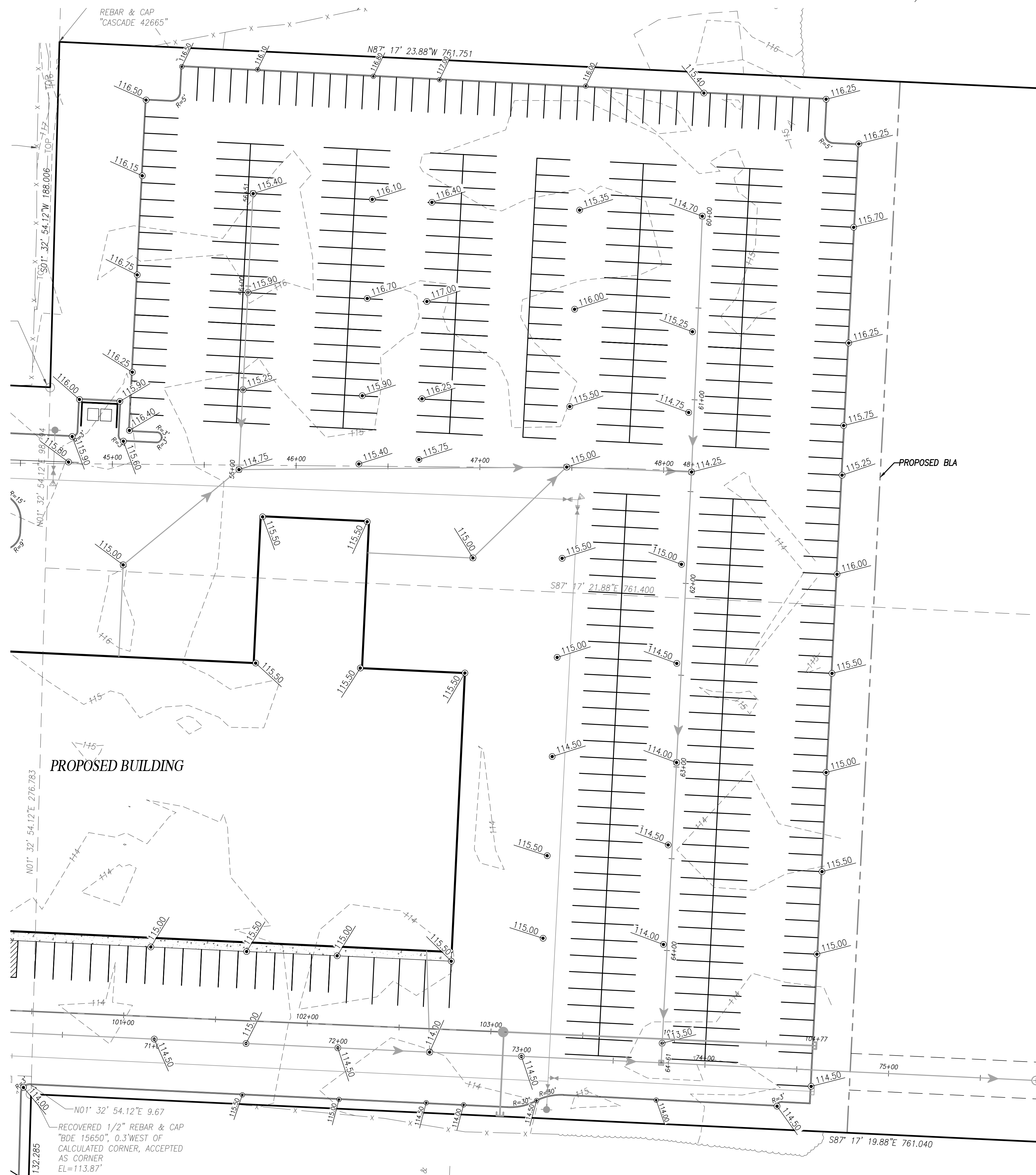
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GRADING PLAN **C2.1**

08/08/2022



SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



**GRADING LEGEND:**  
 FINISH GRADE  
 DRAINAGE FLOW ARROW

**SOIL TYPE**  
 CUSTER FINE SANDY LOAM AND NORMA LOAM

**GRADING QUANTITIES:**  
 CUT: 1,000 Cu.Yds.  
 FILL: 1,000 Cu.Yds.  
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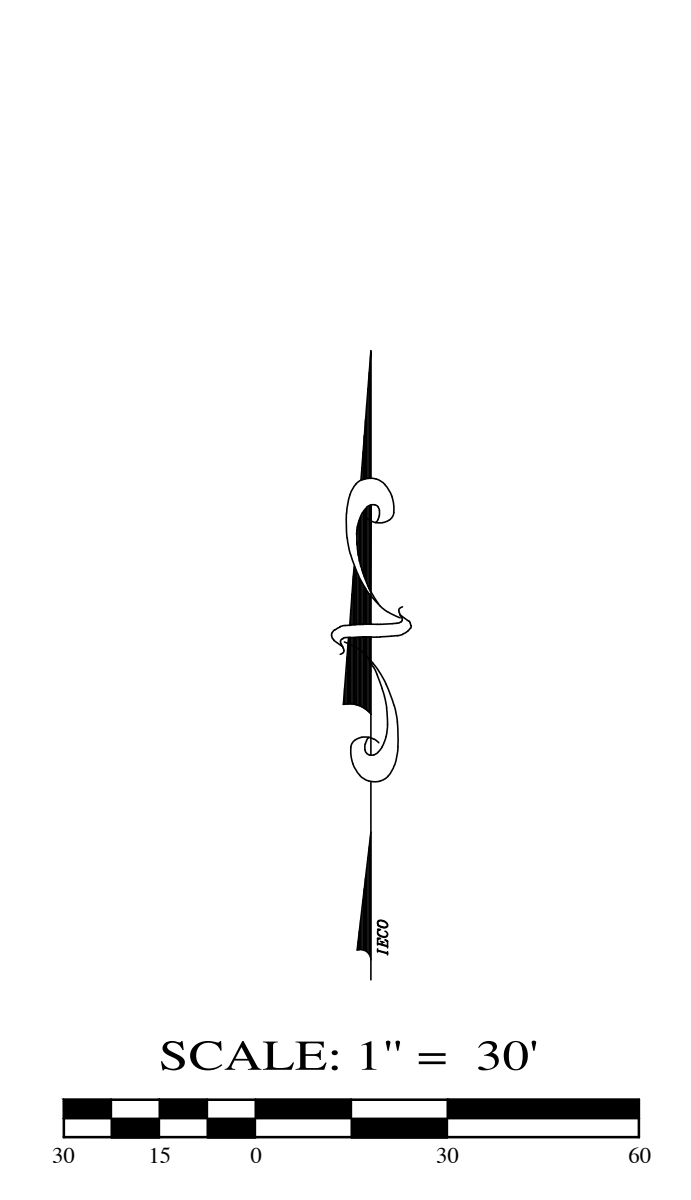
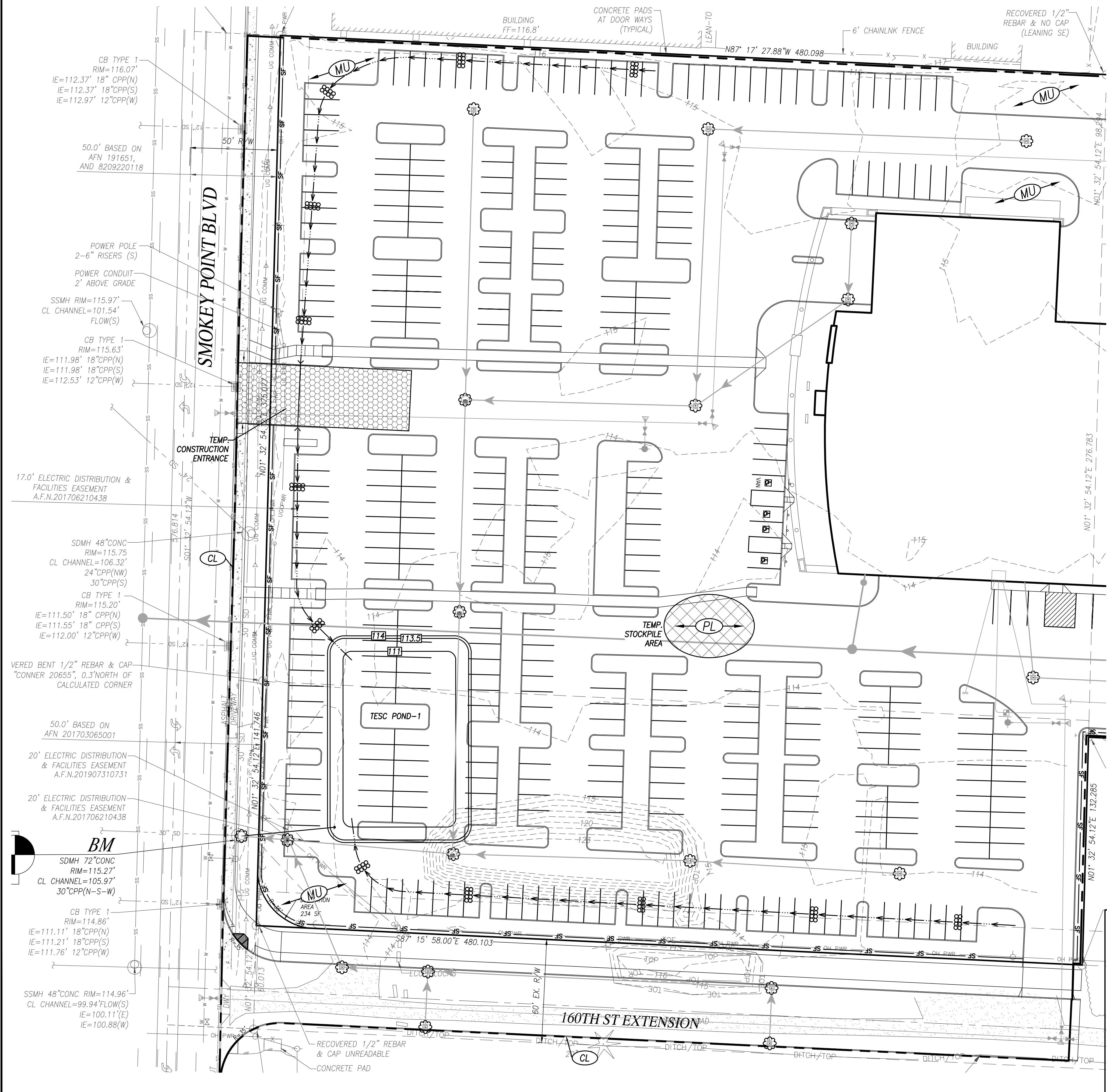
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 SCALE: 1"=30'  
 JOB NO.: 20-1092  
 SHEET

GRADING PLAN  
**C2.2**

08/08/2022

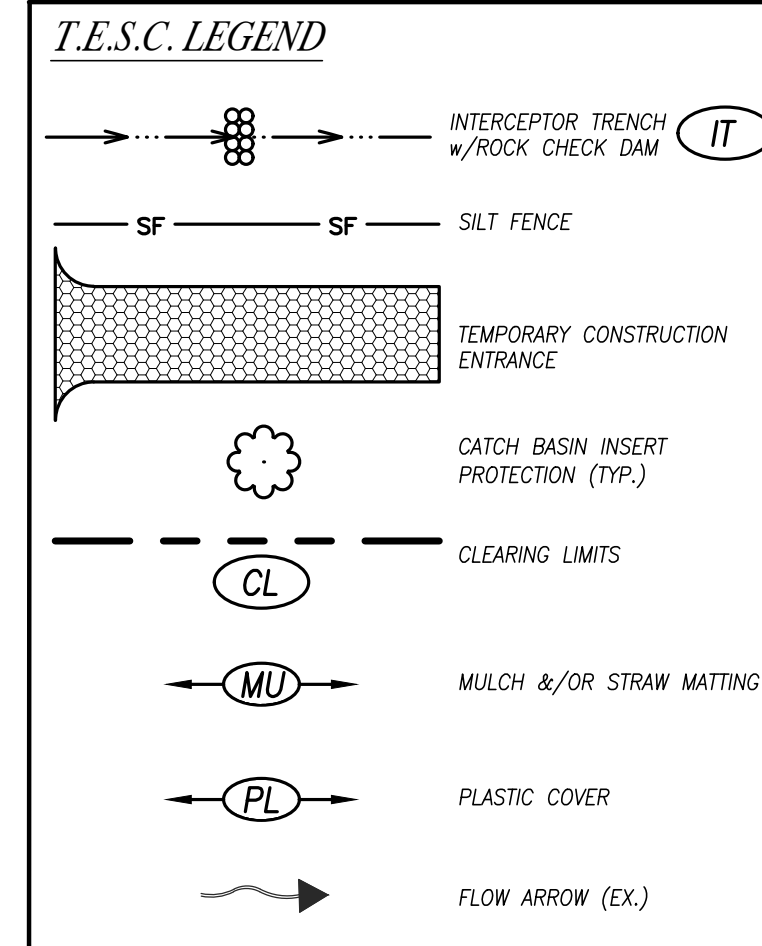


SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



- CONSTRUCTION SEQUENCE**
- PRIOR TO CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL SCHEDULE AND ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF MARYSVILLE INSPECTION UNIT.
  - FLAG CLEARING LIMITS AND INSTALL SILT FENCE AS SHOWN.
  - INSTALL ROCK CONSTRUCTION ENTRANCE.
  - CLEAR AND GRUB ALL AREAS. CONSTRUCT SEDIMENT POND.
  - INSTALL TEMPORARY EROSION CONTROL BMP'S SUCH AS INTERCEPTOR TRENCHES, CHECK DAMS, ETC. AND DIRECT RUNOFF TO THE SEDIMENT POND.
  - GRADE AND STABILIZE PARKING AREAS WITH GRAVEL BASE. COVER EXPOSED SOILS WITH MULCH, HOG FUEL OR HYDROSEED.
  - FILL COMPACT SITE.
  - HYDROSEED REMAINING EXPOSED SOILS AND STABILIZE PROJECT.
  - STABILIZE ALL DISTURBED AREAS AND REMOVE ALL T.E.S.C. MEASURES.

- THE 12 ELEMENTS OF TESC BMP**
- ELEMENT #1 - MARK CLEARING LIMITS:  
LIMIT OF CONSTRUCTION ARE CLEARLY MARKED.
- ELEMENT #2 - ESTABLISH CONSTRUCTION ACCESS:  
A STABILIZED CONSTRUCTION ENTRANCE IS SHOWN.
- ELEMENT #3 - CONTROL FLOW RATES:  
A SEDIMENT POND IS PROPOSED.
- ELEMENT #4 - INSTALL SEDIMENT CONTROLS:  
SILT FENCE AND SEDIMENT POND ARE PROPOSED.
- ELEMENT #5 - STABILIZE SOILS:  
SOIL STABILIZATION IS ACHIEVED BY MULCHING, PLASTIC COVERING AND SEEDS.
- ELEMENT #6 - PROTECT SLOPES:  
THERE ARE NO SLOPES TO PROTECT.
- ELEMENT #7 - PROTECT DRAIN INLETS:  
INLET PROTECTIONS ARE PROPOSED FOR THE STORM DRAINS.
- ELEMENT #8 - STABILIZE CHANNELS AND OUTLETS:  
OUTLET PROTECTIONS ARE PROPOSED.
- ELEMENT #9 - CONTROL POLLUTANTS:  
ALL VEHICLES, EQUIPMENT AND PETROLEUM PRODUCT STORAGE/STORAGE AREAS WILL BE INSPECTED REGULARLY TO DETECT ANY LEAKS OF SPILLS, AND TO IDENTIFY MAINTENANCE NEEDS AND PREVENT LEAKS OF SPILLS.
- ELEMENT #10 - CONTROL DEWATERING:  
THERE WILL BE NO DEWATERING AS PART OF THIS CONSTRUCTION PROJECT.
- ELEMENT #11 - MAINTAIN BMP'S:  
ALL TESC BMP'S SHALL BE MAINTAINED AND REPAIRED AS NEEDED.
- ELEMENT #12 - MANAGE THE PROJECT:  
THIS COULD BE ACHIEVED BY MINIMIZING THE EXTENT AND DURATION OF THE AREA EXPOSED AND BY EMPHASIZING EROSION CONTROL THEN SEDIMENT CONTROL.



**UTILITY CONFLICT NOTE:**  
CAUTION:

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**CITY OF MARYSVILLE  
CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**

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THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_.

BY: KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL. PER MMC: 22A.040.020 AND 22A.040.030.

REV. NO.	DESCRIPTION	INITIALS	DATE



**IECO**  
INSIGHT ENGINEERING CO.  
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EVERETT, WA 98206  
(425) 303-9363 (425) 303-9362 FAX  
INFO@INSIGHTENGINEERING.NET

SITE ADDRESS: XXXXX SMOKEY POINT BLVD  
MARYSVILLE, WA 98223

TAX ACCOUNT NO.'S: 3105280031200, 31052800300600

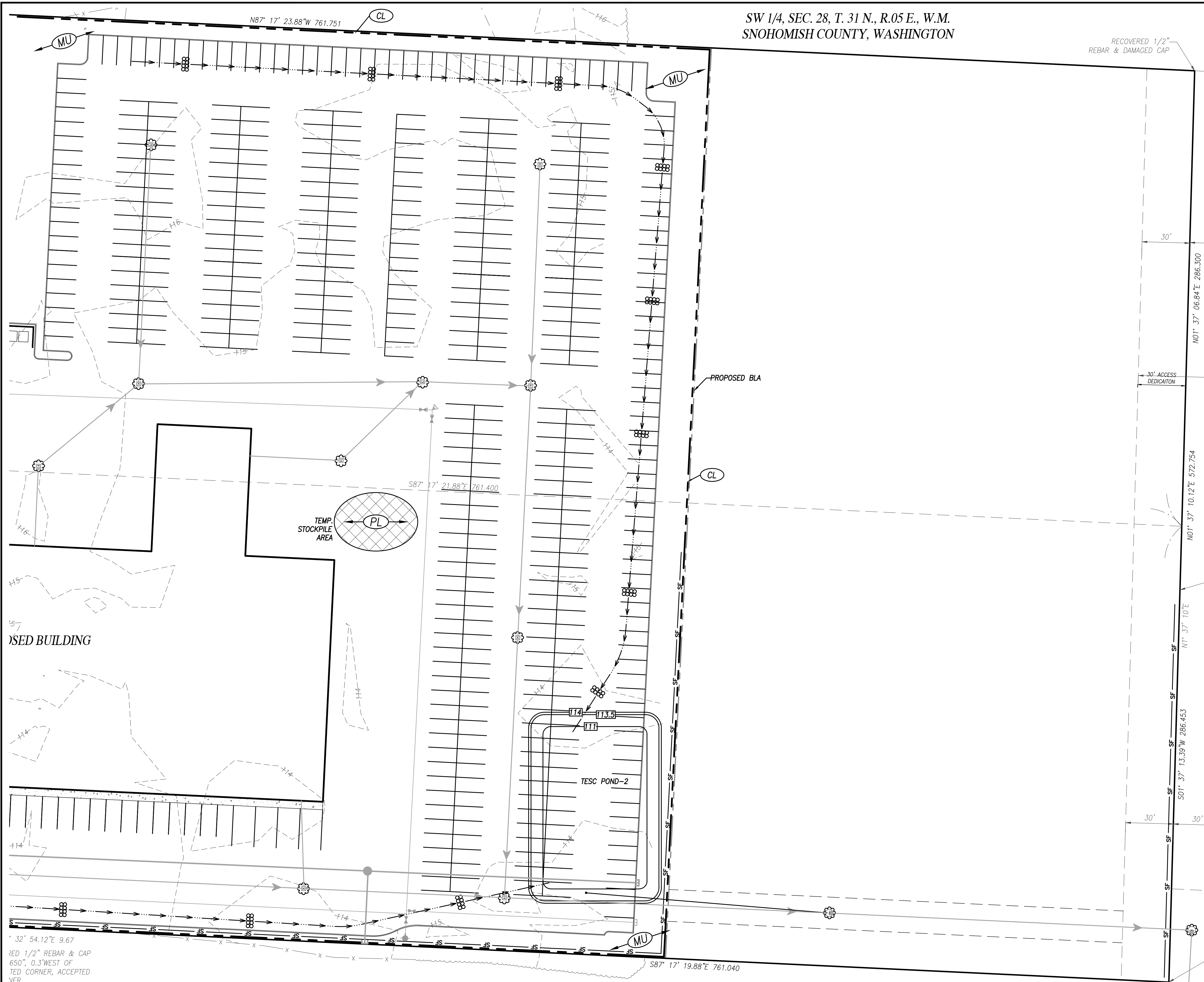
SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
**KENDAL AUTO GROUP**

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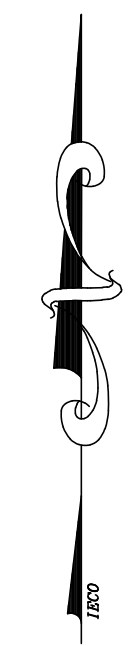
TESC PLAN **C2.3**



SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



RECOVERED 1/2"  
REBAR & DAMAGED CAP



SCALE: 1" = 30'



Know what's below.  
Call before you dig.  
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**T.E.S.C. LEGEND**

	INTERCEPTOR TRENCH w/ROCK CHECK DAM (IT)
	SILT FENCE (SF)
	TEMPORARY CONSTRUCTION ENTRANCE
	CATCH BASIN INSERT PROTECTION (TYP.)
	CLEARING LIMITS (CL)
	MULCH &/OR STRAW MATTING (MU)
	PLASTIC COVER (PL)
	FLOW ARROW (EX.)

**CITY OF MARYSVILLE  
CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**  
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THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_\_\_.  
BY: \_\_\_\_\_  
KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER  
THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 22A.040.020 AND 22A.040.030.



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MARYSVILLE, WA 98223  
TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

REV. NO.	DESCRIPTION	INITIALS	DATE



SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
**KENDALL AUTO GROUP**

DWG FILENAME: 201092-FINAL.DWG  
DESIGNED BY: SPC  
DATE: 06-05-2022  
SCALE: 1"=30'  
JOB NO.: 20-1092  
SHEET

TESC PLAN

C2.4

\* 32' 54.12"E 9.67  
RED 1/2" REBAR & CAP  
650", 0.3' WEST OF  
TED CORNER, ACCEPTED  
VER  
87'

MARKING LOT  
PING SEE  
TECT PLAN

20' ELECTRIC DISTRIBUTION &  
FACILITIES EASEMENT  
A.F.N.201706210438

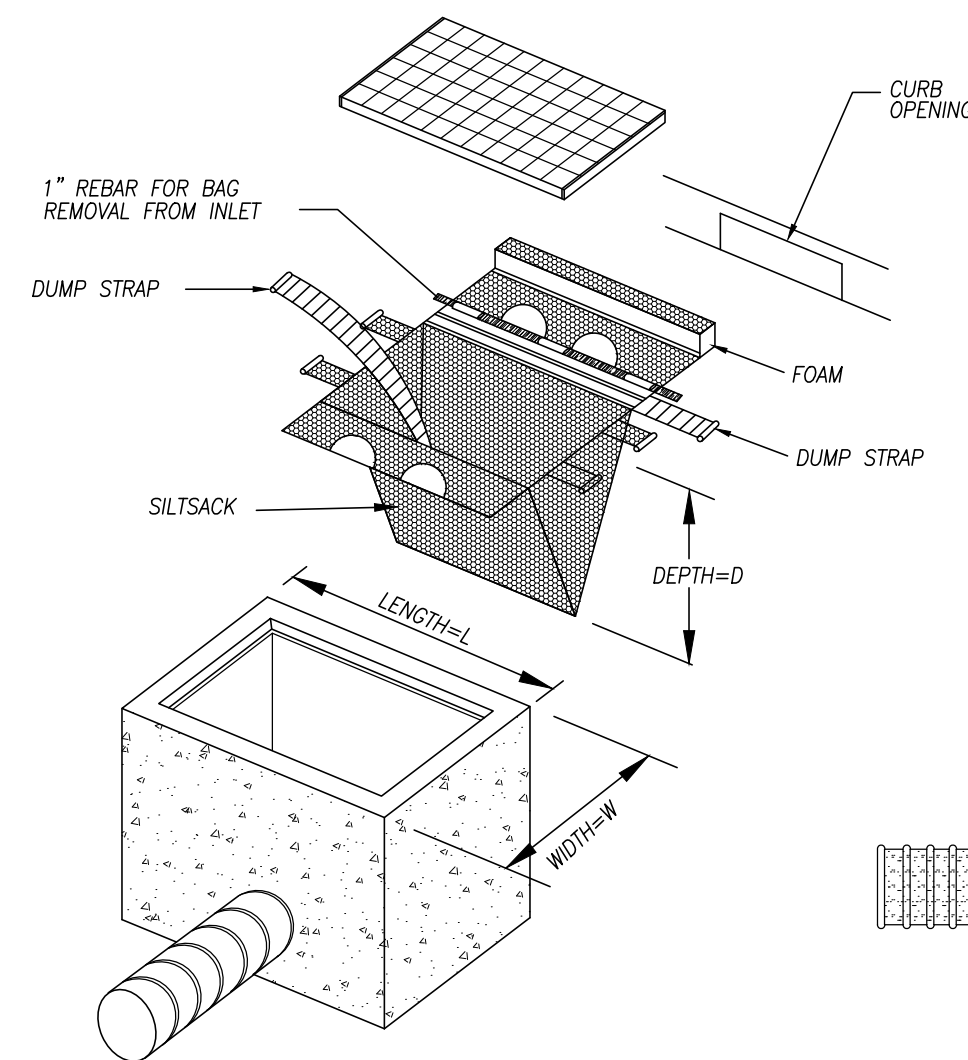
D 1/2"



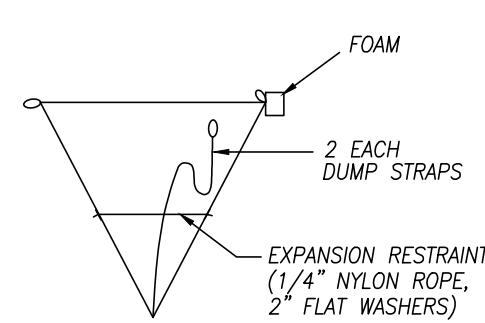
SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON

**GRADING, EROSION AND SEDIMENTATION CONTROL NOTES:**

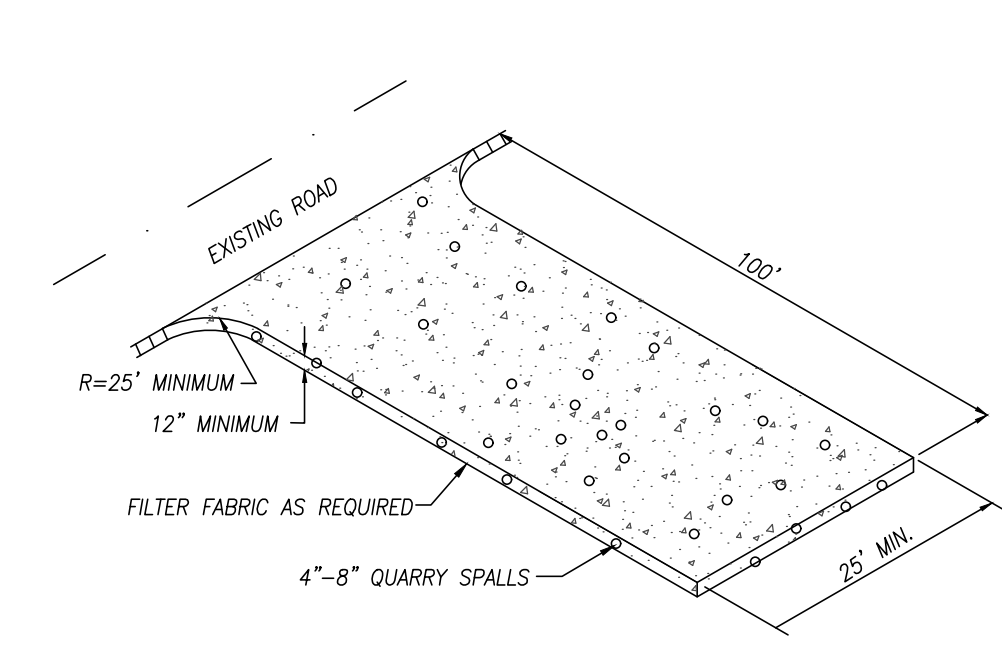
- ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
- ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION 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 ANY 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 FINAL STABILIZATION HAS OCCURRED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITEE.
- THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS OCCUR, 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.
- APPROVAL OF THESE 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.
- ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR THE TIME PERIOD SET FORTH BY THE SWPPP, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING, OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. DURING THE DRY SEASON (MAY 1 - SEPTEMBER 30) SOILS MAY BE EXPOSED AND UNWORKED FOR 7 DAYS. DURING THE WET SEASON (OCTOBER 1 - APRIL 30) SOILS MAY BE EXPOSED AND UNWORKED FOR 2 DAYS. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE DRY SEASON. 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.
- 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.
- STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDROSEEDING IS PREFERRED. 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.
- NON COMPLIANCE WITH THE REQUIREMENTS FOR EROSION CONTROLS, WATER QUALITY, AND CLEARING LIMITS MAY RESULT IN REVOCATION OF PROJECT PERMIT, PLAN APPROVAL, AND BOND FORECLOSURES.
- ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARDS. PRECONSTRUCTION SOILS INVESTIGATION MAY BE REQUIRED TO EVALUATE SOILS STABILITY.
- IF CUT AND FILL SLOPES EXCEED A MAXIMUM OF TWO FEET HORIZONTAL TO ONE FOOT VERTICAL, A ROCK OR CONCRETE RETAINING WALL MAY BE REQUIRED. ALL ROCK RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT ARE TO BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER EXPERIENCED IN SOIL MECHANICS.
- THE SURFACE OF ALL SLOPES SHALL BE COMPACTED. THIS MAY BE ACCOMPLISHED BY OVER-BUILDING THE SLOPES, THEN CUTTING BACK TO FINAL GRADES, OR BY COMPACTING EACH LIFT AS THE SLOPE IS BEING CONSTRUCTED. ALL SLOPES SHALL BE COMPACTED BY THE END OF EACH WORKING DAY.
- UPON COMPLETION OF WORK, FINAL REPORTS MUST BE SUBMITTED TO THE CITY IN CONFORMANCE WITH THE CURRENT CITY ADOPTED INTERNATIONAL BUILDING CODE.



**1**  
C2.2  
CATCH BASIN INSERT  
NOT TO SCALE

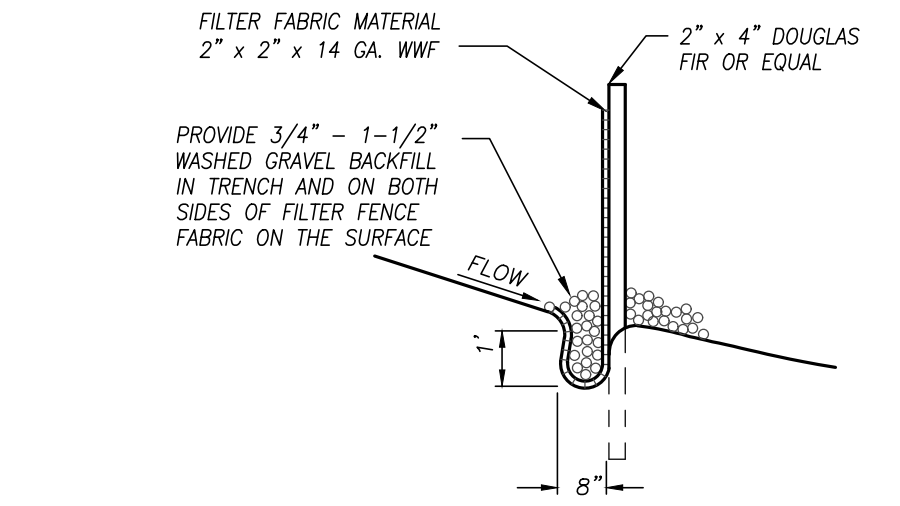


**BAG DETAIL**

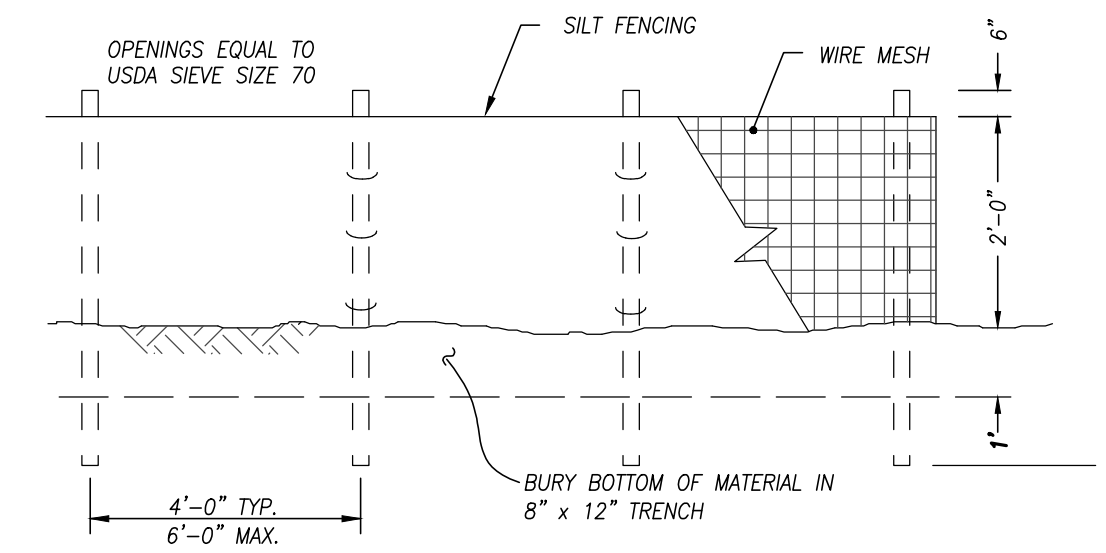


- THE TEMPORARY CONSTRUCTION ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS IN THE PLAN. IF WASH RACKS ARE USED, THEY SHOULD BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- GRAVEL SHALL BE CRUSHED BALLAST ROCK, 12\"/>

**2**  
C2.0  
TEMPORARY CONSTRUCTION ENTRANCE  
SCALE: NTS  
PER S.P. 4-040-014



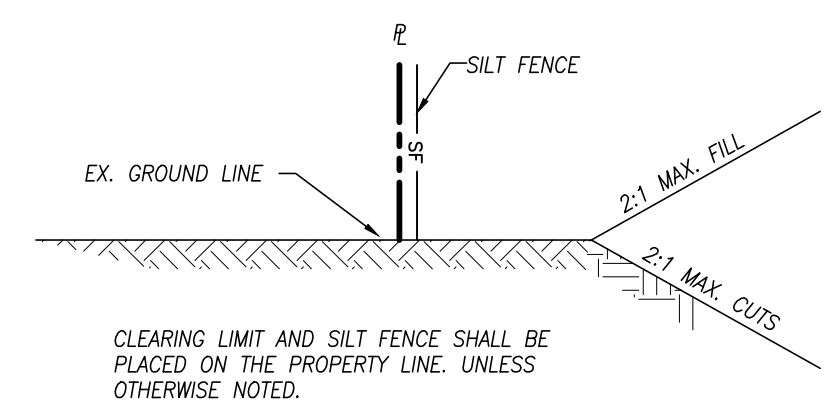
- NOTES:
- PLACE 12\"/>



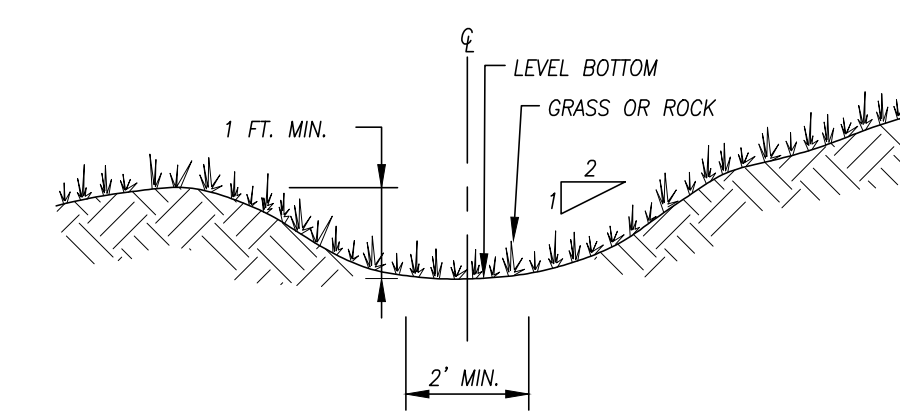
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C2.2  
SILT FENCE DETAIL  
SCALE: NTS  
PER S.P. 4-040-008

**HYDROSEEDING NOTES:**

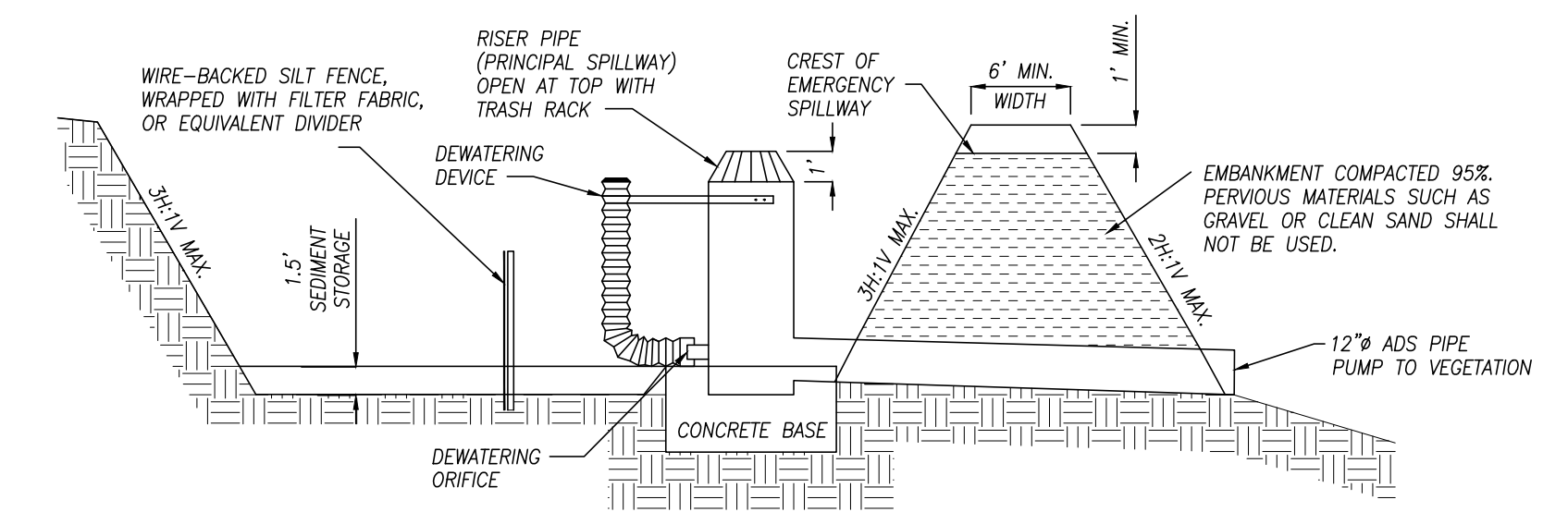
- CONSTRUCTION ACCEPTANCE: WILL BE SUBJECT TO A WELL-ESTABLISHED GROUND COVER THAT FULFILLS THE REQUIREMENTS OF THE APPROVED CONSTRUCTION PLANS AND CITY OF MARYSVILLE STANDARDS.
- ALL DISTURBED AREAS SUCH AS RETENTION FACILITIES, ROADWAY BACKSLOPES, ETC., SHALL BE SEEDING WITH A PERENNIAL GROUND COVER GRASS TO MINIMIZE EROSION. GRASS SEEDING WILL BE DONE USING AN APPROVED HYDROSEEDER OR AS OTHERWISE APPROVED BY THE CITY OF MARYSVILLE.
- PREPARATION OF SURFACE: ALL AREAS TO BE SEEDING SHALL BE PREPARED IN A MANNER CONSISTENT WITH BMP 15.13 POST CONSTRUCTION SOIL QUALITY AND DEPTH IN CHAPTER 5 OF VOLUME V OF THE STORMWATER MANUAL.
- IMMEDIATELY FOLLOWING FINISH GRADING PERMANENT VEGETATION SHALL BE APPLIED CONSISTENT WITH THE DESIGN AND MAINTENANCE STANDARDS FOR TEMPORARY AND PERMANENT SEEDING IN THE CITY ADOPTED DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.
- ALL HYDROSEEDING FIRMS SHALL HAVE A PRINTOUT OF THE APPLICATION RATE FOR EACH JOB READILY AVAILABLE FOR INSPECTION BY THE CONSTRUCTION INSPECTION DIVISION OF COMMUNITY DEVELOPMENT.
- THE CITY OF MARYSVILLE CONSTRUCTION INSPECTION DIVISION OF COMMUNITY DEVELOPMENT SHALL BE NOTIFIED OF POTENTIAL HYDROSEEDING PRIOR TO THE COMMENCEMENT OF SAME TO ENSURE COMPLIANCE OF THESE SPECIFICATIONS.



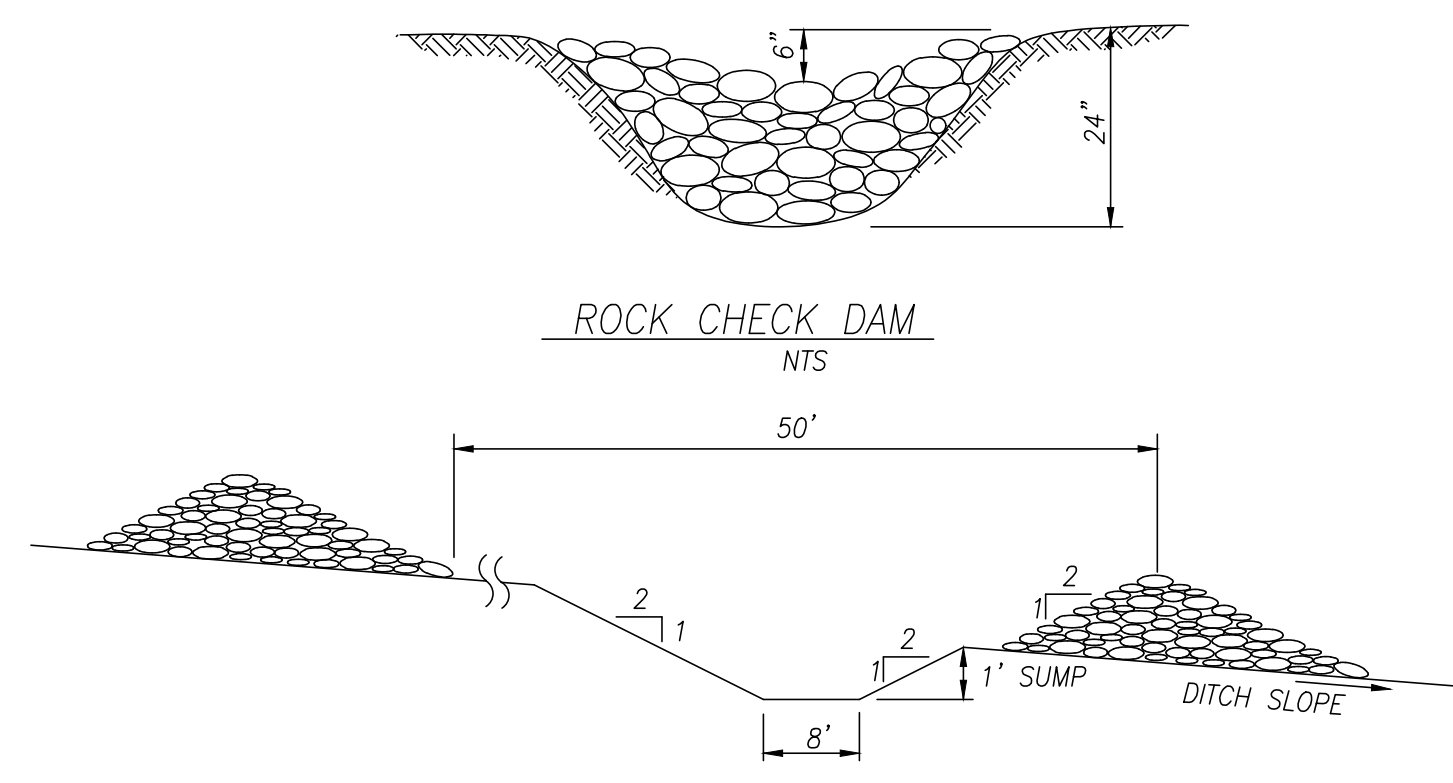
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TYPICAL CONSTRUCTION SETBACK DETAIL  
NOT TO SCALE



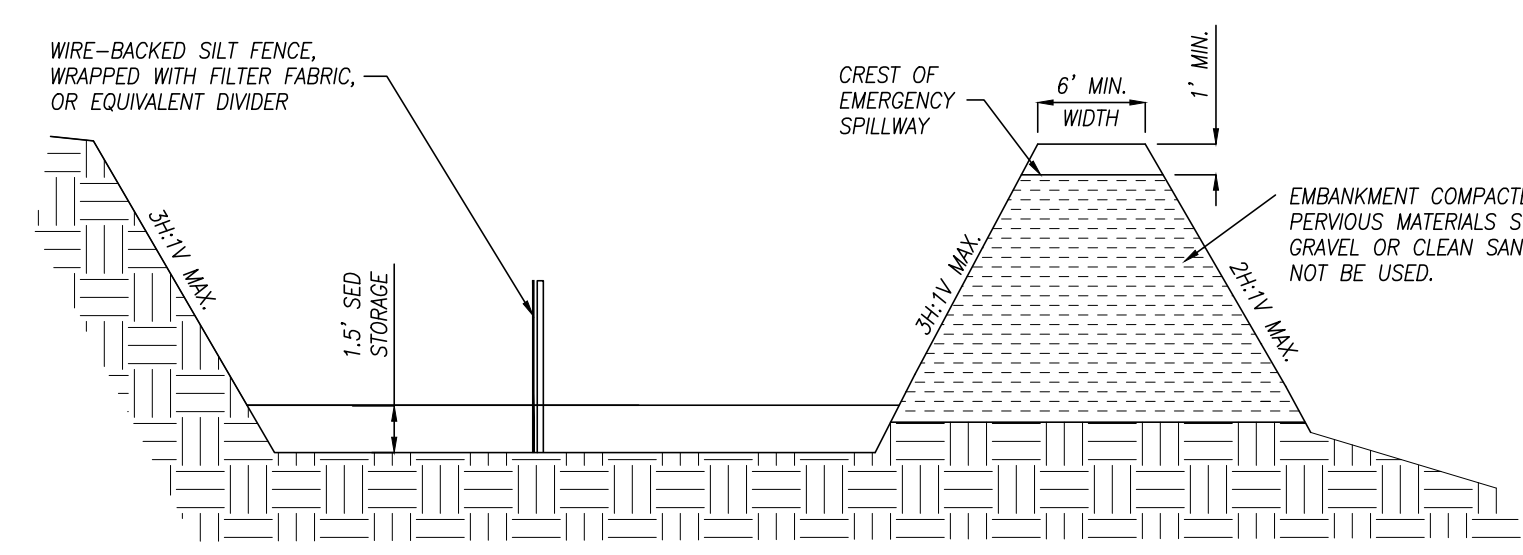
**5**  
C2.2  
TEMPORARY INTERCEPTOR TRENCH SECTION  
NOT TO SCALE



**6**  
C2.2  
TEMPORARY RISER DETAIL (TYP.)  
NOT TO SCALE



**7**  
C2.2  
SPACING BETWEEN ROCK CHECK DAMS  
NOT TO SCALE  
PER S.P. 4-040-013



**8**  
C2.2  
TEMPORARY RISER DETAIL (TYP.)  
NOT TO SCALE



Know what's below.  
Call before you dig.

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THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_\_\_.

BY: KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER

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REV. NO.	DESCRIPTION	INITIALS	DATE



08/08/2022

**INSIGHT ENGINEERING CO.**  
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INFO@INSIGHTENGINEERING.NET

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SITE ADDRESS: XXXXX SMOKEY POINT BLVD  
MARYSVILLE, WA 98223

TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

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SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
**KENDALL AUTO GROUP**

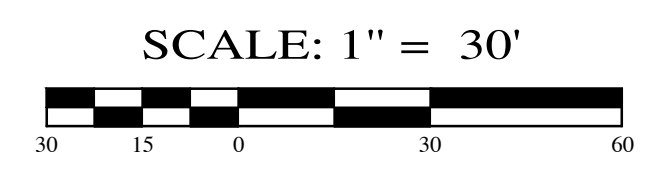
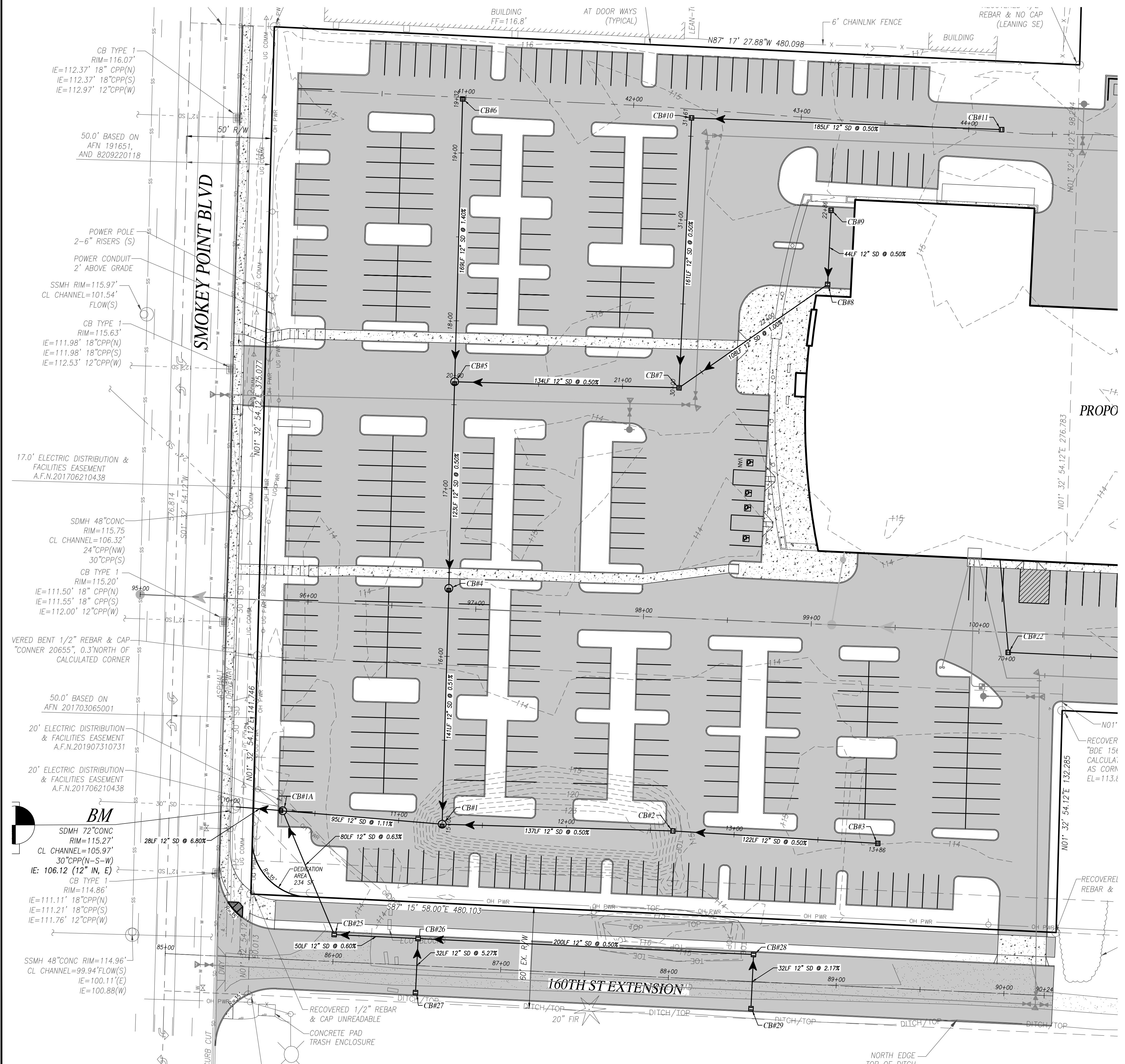
DWG FILENAME	DESIGNED BY:	DATE:	SCALE:	JOB NO.:
201092-FINAL.DWG	SPC	06-05-2022	N.T.S.	20-1092

SHEET **C2.5**

**GRADING & TESC  
NOTES AND DETAILS**



SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



**STORM WATER NOTES:**

- DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
- ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO.4-08-009. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 4-040-004.
- MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 4-08-009 AND 4-080-15 THRU 4-080-024. 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.
- CATCH BASINS SHALL BE TYPE I UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE. TYPE I CATCH BASINS SHALL CONFORM TO CITY STANDARD DETAIL NO.4-080-007 AND 4-080-008 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO. 4-08-009 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL NO.4-080-022. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-02 (OLYMPIC FOUNDRY NO. S660, S652, OR S444 OR EQUAL). VANE GRATES SHALL BE REQUIRED ON ALL STORM STRUCTURES WHEN ROADWAY PROFILE IS GREATER THAN 3% AND SHALL CONFORM TO WSDOT STANDARD PLAN B-30.30-01 (OLYMPIC FOUNDRY NO. S660 OR EQUAL). GRATES LOCATED IN THE GUTTER FLOW LINE SHALL BE DEEPER 0.1 FEET BELOW PAVEMENT LEVEL.
- ALL CATCH BASINS AND MANHOLES LOCATED OUTSIDE OF PAVED AREAS, SHALL BE PLACED IN A SIX FOOT SQUARE BY FOUR INCH THICK CONCRETE PAD.
- ALL CATCH BASINS AND MANHOLES SHALL HAVE LOCKING LIDS. ROLLED GRATES ARE NOT APPROVED FOR USE OUTSIDE OF THE CITY RIGHT-OF-WAY OR FOR USE WITH TYPE II MANHOLES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET AND CATCH BASIN FRAMES AND GRATES TO GRADE JUST PRIOR TO CURB INSTALLATION AND/OR PAVING.
- TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 3-703-002 AND-003.
- TRENCH BACKFILL OF NEW UTILITIES AND STORMWATER DRAINAGE SYSTEM FEATURES SHALL BE COMPACTED TO 95% MAXIMUM DENSITY (MODIFIED PROCTOR) UNDER ROADWAYS AND 90% MAXIMUM DENSITY (MODIFIED PROCTOR) OFF ROADWAYS. COMPACTON SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 7-08.3(3) AND 2-03.3(1)(C) - METHOD B AS DEFINED IN THE CURRENT EDITION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. FOR PERMEABLE PAVEMENT AND OTHER STORMWATER BMP'S DESIGNED TO INFILTRATE SUBGRADE COMPACTION SHOULD BE "FIRM AND UNYIELDING" (QUALITATIVE), AND 90-92% STANDARD PROCTOR (QUANTITATIVE). DO NOT ALLOW HEAVY COMPACTION DUE TO HEAVY EQUIPMENT OPERATION. THE SUBGRADE SHOULD NOT BE SUBJECT TO TRUCK TRAFFIC.
- STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- 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(1) E & F OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. PIPE RUNS SHALL BE TESTED WITH PIPE LOADED AND COMPACTED TO FINISH GRADE. PRODUCTS USED TO SEAL THE INSIDE OF THE PIPE ARE NOT TO BE USED TO OBTAIN THE AIR TEST.
- ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS, PRESERVED NATIVE VEGETATION AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES.
- STORMWATER FACILITIES WITH SIDE SLOPES STEEPER THAN 3:1 OR WITH A MAXIMUM WATER DEPTH GREATER THAN 3 FEET SHALL REQUIRE A POWER OR VINYL COVER PER STANDARD PLANS 3-501-007 AND -008. SIDE SLOPE AVERAGING SHALL NOT BE ALLOWED. ALL INLET AND OUTFALL PIPES SHALL HAVE A TRASH RACK INSTALLED AND A MORTARED RIPRAP HEADWALL. REFER TO STORM DRAINAGE NOTE 21.
- PRIOR TO SIDEWALK CONSTRUCTION; LOT DRAINAGE SYSTEMS, STUB-OUTS AND ANY BEHIND SIDEWALK DRAINS MUST BE INSTALLED AS REQUIRED. PIPE SHALL BE PVC 3034, OR SDR-35. STUB-OUTS SHALL BE MARKED WITH A 2" X 4" WITH 3 FEET VISIBLE ABOVE GRADE AND MARKED "STORM". LOCATIONS OF THESE INSTALLATIONS SHALL BE SHOWN ON THE RECORD DRAWING CONSTRUCTION PLANS SUBMITTED TO THE CITY.
- STORM WATER RETENTION/RETENTION FACILITIES, STORM DRAINAGE PIPE AND CATCH BASINS SHALL BE FLUSHED AND CLEANED BY THE DEVELOPER PRIOR TO CITY OF MARYSVILLE FINAL ACCEPTANCE OF THE PROJECT AND, UPON COMMENCEMENT AND COMPLETION OF THE 2-YEAR WARRANTY PERIOD FOR THE STORM DRAINAGE SYSTEM.
- UNLESS OTHERWISE NOTED, ALL STORM SEWER PIPE SHALL BE: (CP) NON-REINFORCED CONCRETE, ASTM C-14; (RCP) REINFORCED CONCRETE FOR CONCRETE PIPE DIAMETERS 24" OR GREATER, ASTM C-76; OR (CMP) CORRUGATED METAL, CMP TO BE GALVANIZED STEEL WITH TREATMENT 1 ASPHALT COATING OR BETTER; OR CORRUGATED ALUMINUM, OR AASHTO M274-70 ALUMINIZED STEEL. ALL PIPES SHALL BE INSTALLED WITH RUBBER GASKETS AS PER MANUFACTURER RECOMMENDATIONS.  
COVER REQUIREMENTS FOR 12" DIAMETER PIPE:  
BACKFILL OVER PIPE LESS THAN 12" REQUIRES RCP CLASS IV.  
BACKFILL OVER PIPE LESS THAN 24" REQUIRES RCP MINIMUM.  
BACKFILL OVER PIPE GREATER THAN 24" REQUIRES 16 GAGE CMP MINIMUM.
- CORRUGATED POLYETHYLENE PIPE (CPP):  
A. ALL PIPE SHALL BE SMOOTH INTERIOR. CPP SHALL BE DOUBLE-WALLED. ALL PIPE SHALL MEET ASHSTO AND ASTM SPECIFICATIONS.  
B. UPON REQUEST BY THE CITY INSPECTOR, ALL PIPE RUNS SHALL PASS THE LOW PRESSURE AIR TEST REQUIREMENTS OF SECTION 7-04.3(1) E & F OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. PIPE RUNS SHALL BE TESTED WITH PIPE LOADED AND COMPACTED TO FINISH GRADE.  
C. UPON REQUEST BY THE CITY INSPECTOR, PIPE SHALL BE SUBJECT TO MANDREL TESTING (MANDREL SIZE = 90% OF NOMINAL PIPE DIAMETER).  
D. PIPE SHALL BE STORED ON SITE IN SHIPPING BUNKS ON A FLAT LEVEL SURFACE. THIS REQUIREMENT WILL BE STRICTLY ENFORCED; FAILURE TO COMPLY MAY RESULT IN REJECTION OF THE PIPE AND/OR FUTURE RESTRICTION ON USE OF MATERIAL.  
E. MINIMUM DEPTH OF COVER SHALL BE 2 FEET.  
F. COUPLINGS SHALL BE INTEGRAL BELL AND SPIGOT OR DOUBLE BELL SEPARATE COUPLINGS. SPLIT COUPLINGS WILL NOT BE ALLOWED.  
G. BACKFILL SHALL COMPLY WITH SECTION 7-08.3(3) OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION MODIFIED AS FOLLOWS:  
THE SECOND PARAGRAPH OF SECTION 7-08.3(3) IS DELETED AND REPLACED WITH THE FOLLOWING:  
THE MATERIAL USED FOR BACKFILLING AROUND AND TO A POINT 1 FOOT ABOVE THE TOP OF THE PIPE SHALL BE CLEAN EARTH OR SAND, FREE FROM CLAY. ANY GRAVEL OR STONES INCLUDED IN THE BACKFILL SHALL PASS THROUGH A 1 INCH SIEVE.
- ALL NON-PERFORATED METAL PIPE SHALL HAVE NEOPRENE GASKETS AT THE JOINTS. O-RING GASKETS MAY BE USED FOR TYPE-F COUPLING BAND.
- CULVERT ENDS SHALL BE REVEALED TO MATCH SIDE SLOPES. FIELD CUTTING OF CULVERT ENDS IS PERMITTED WHEN APPROVED BY THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE.
- ALL FIELD CUT CULVERT PIPE SHALL BE TREATED AS REQUIRED IN THE STANDARD SPECIFICATIONS OR GENERAL SPECIAL PROVISIONS.
- ALL PIPE SHALL BE PLACED ON STABLE EARTH. IF IN THE OPINION OF THE CITY INSPECTOR, THE EXISTING TRENCH FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACKFILLED WITH GRAVEL BEDDING TO SUPPORT THE PIPE.
- ALL LANDSCAPED AND LAWN AREAS, EXCEPT AREAS WITHIN THE DRILLPIE OF PRESERVED TREES, SHALL BE AMENDED PER BMP 15.13 POST CONSTRUCTION SOIL QUALITY AND DEPTH IN CHAPTER 5, VOLUME V OF THE STORMWATER MANUAL.

**CITY OF MARYSVILLE  
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THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_\_\_

BY: KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER

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SITE ADDRESS: XXXXX SMOKEY POINT BLVD  
MARYSVILLE, WA 98223

TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
**KENDALL AUTO GROUP**

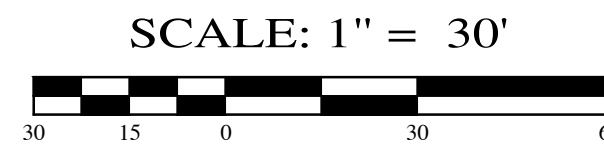
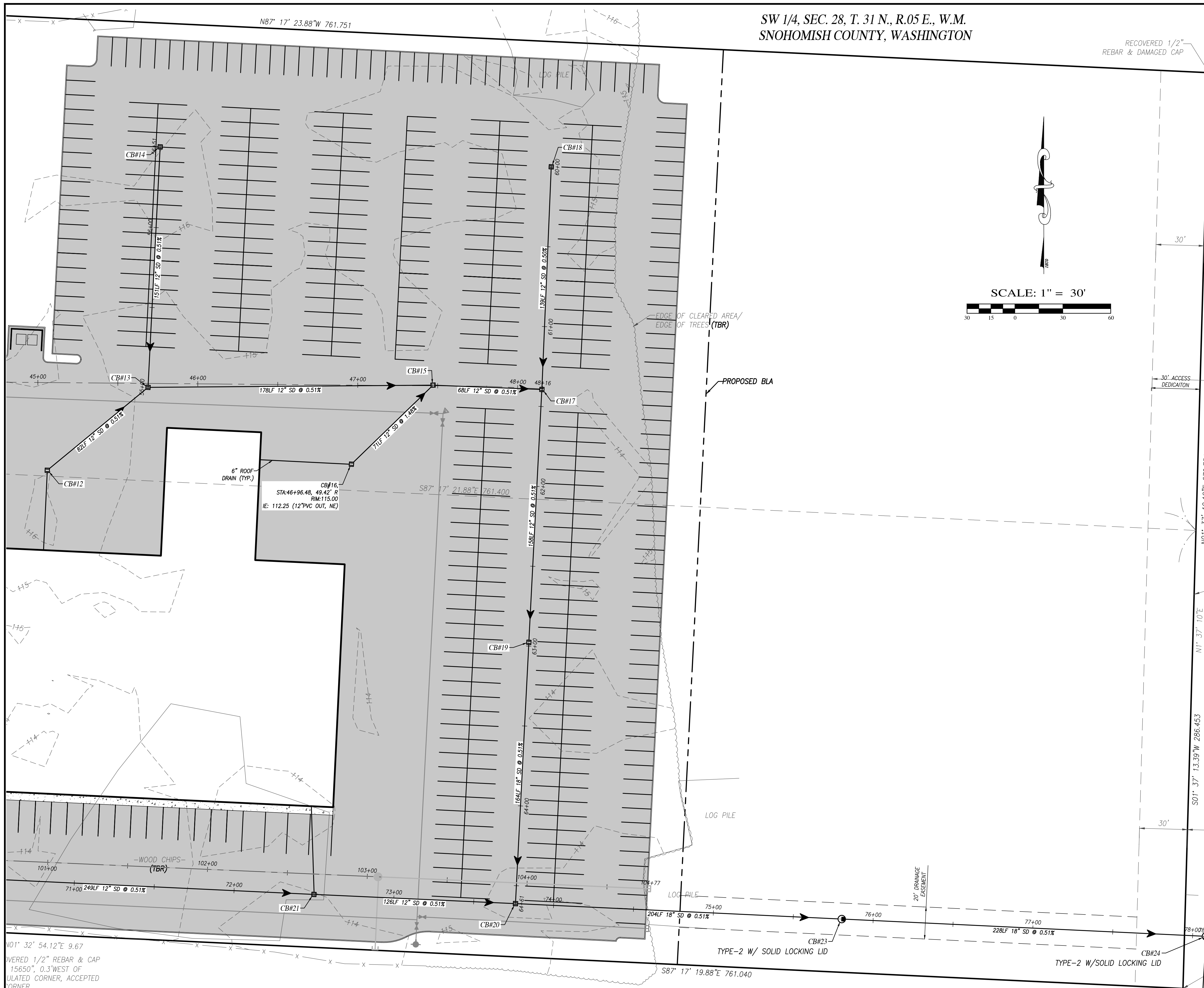
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ROAD AND DRAINAGE PLAN **C3.0**

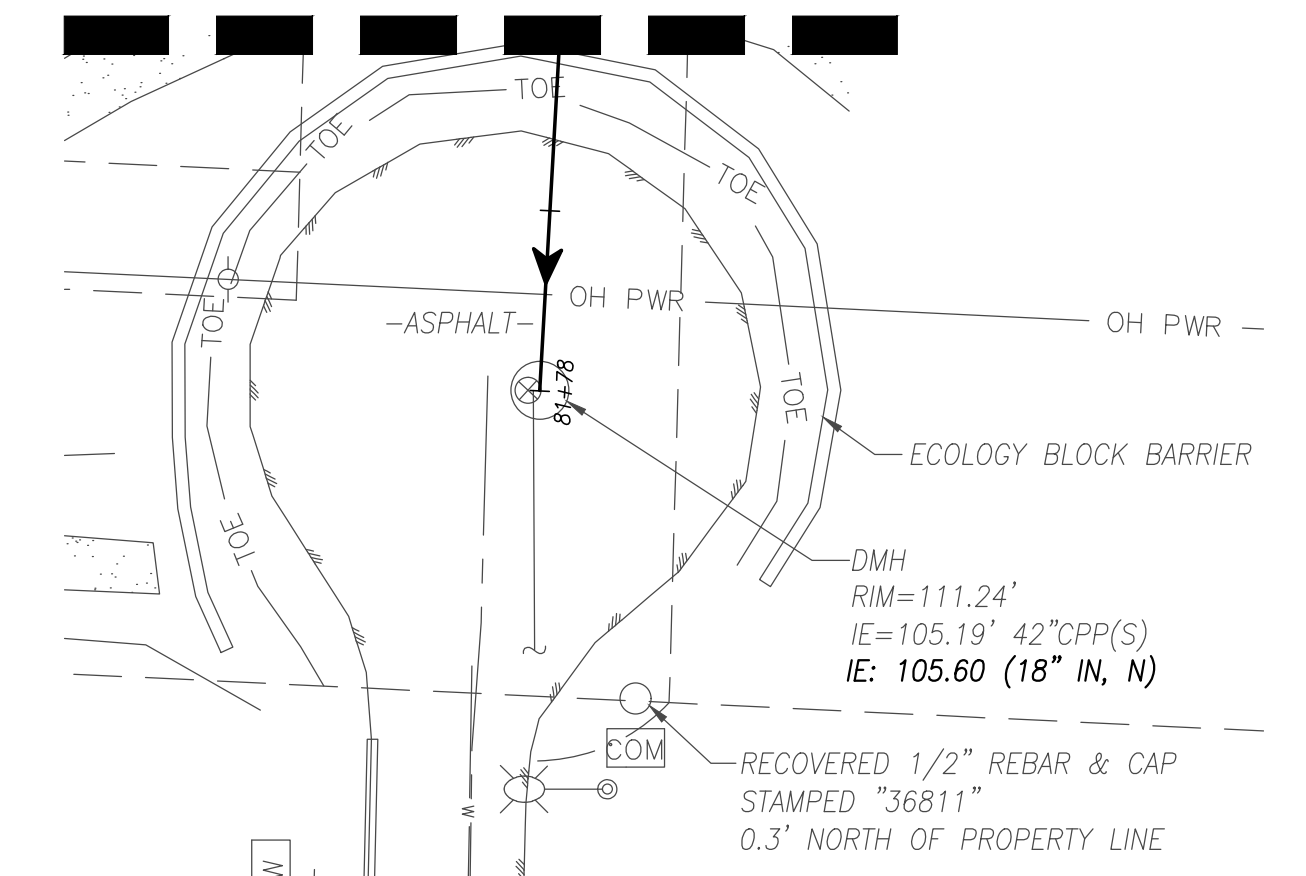
08/08/2022



SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



MATCH LINE TO BOTTOM LEFT



RECOVERED 1/2" REBAR & CAP STAMPED "36811" 0.3' NORTH OF PROPERTY LINE

CITY OF MARYSVILLE  
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08/08/2022

MATCH LINE TO TOP RIGHT

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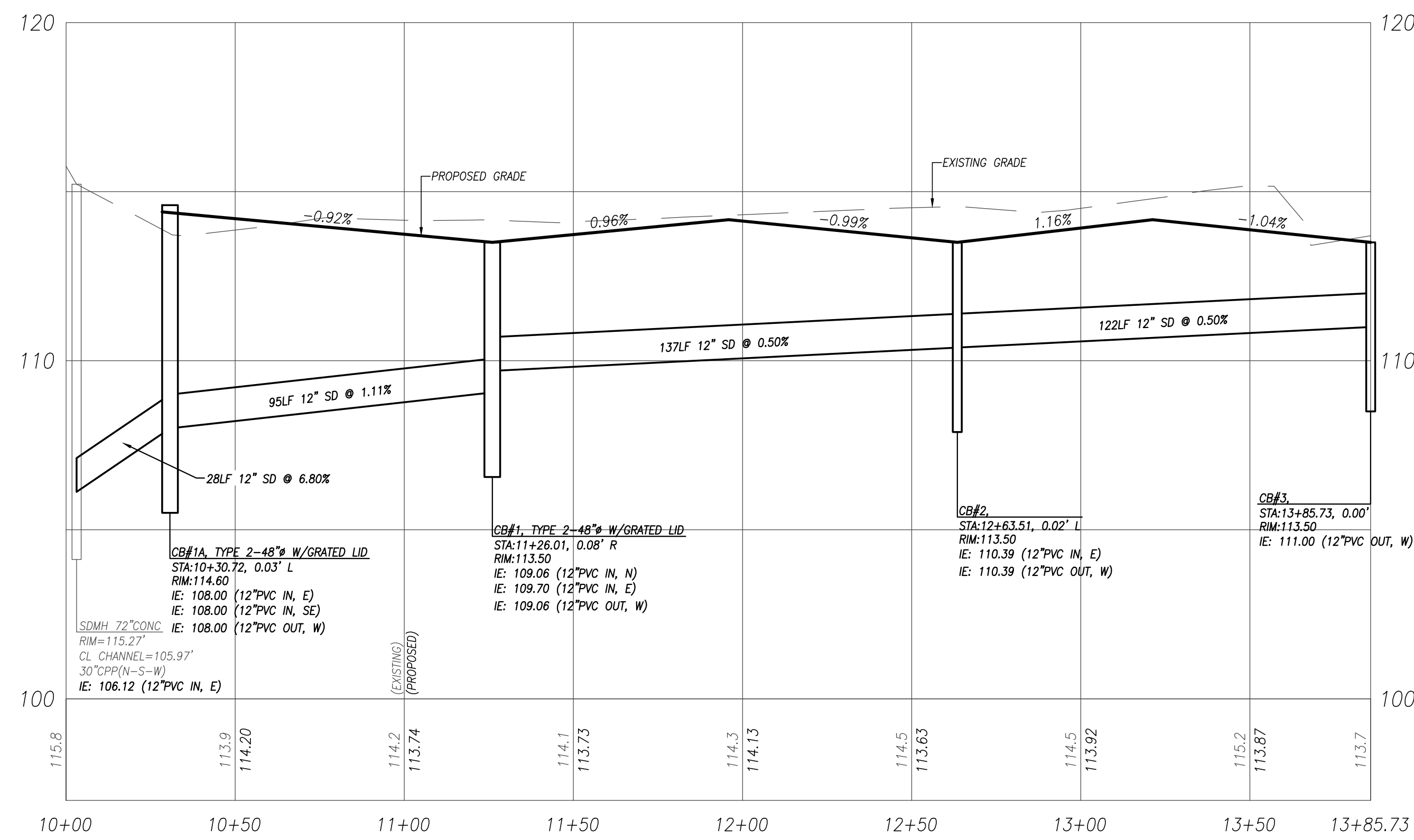
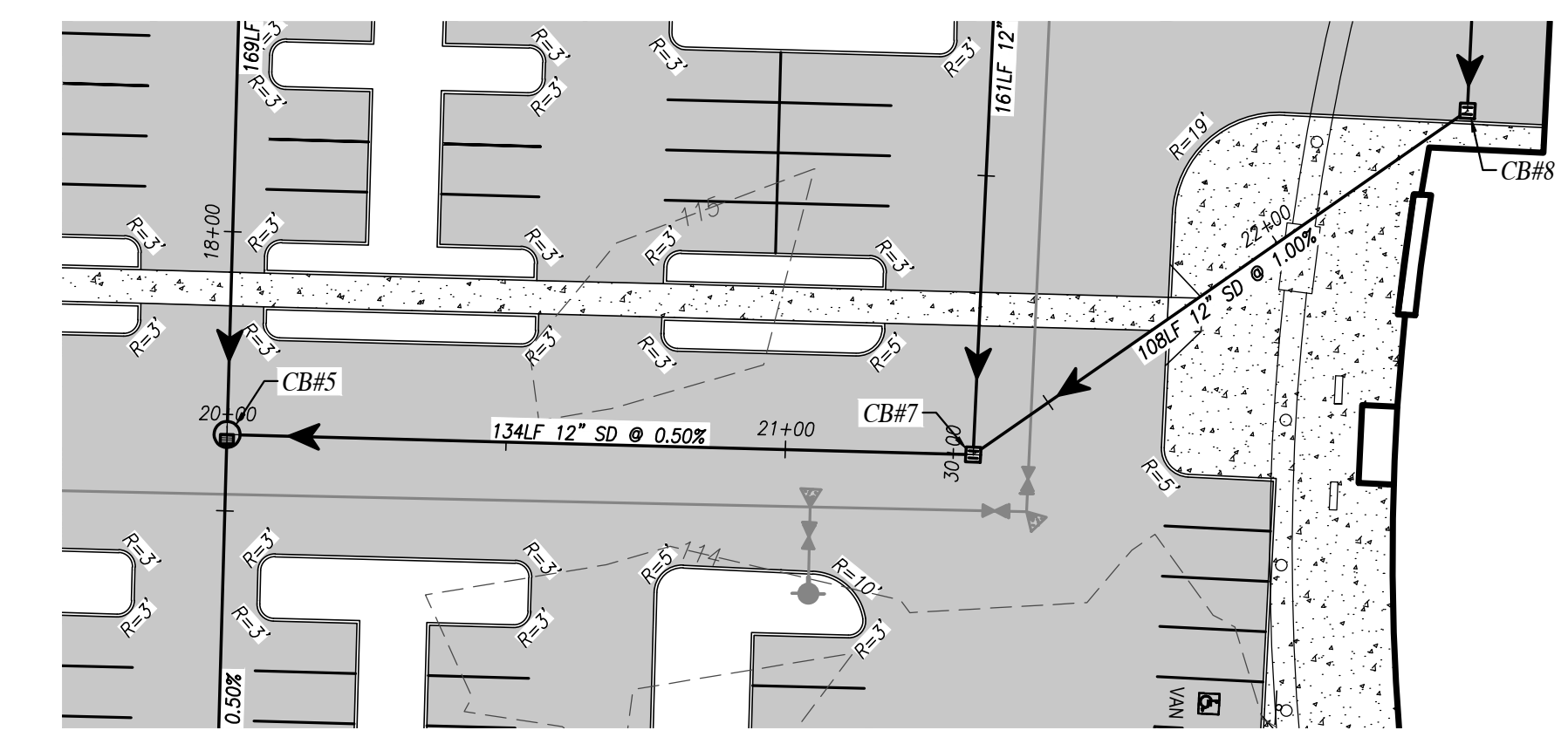
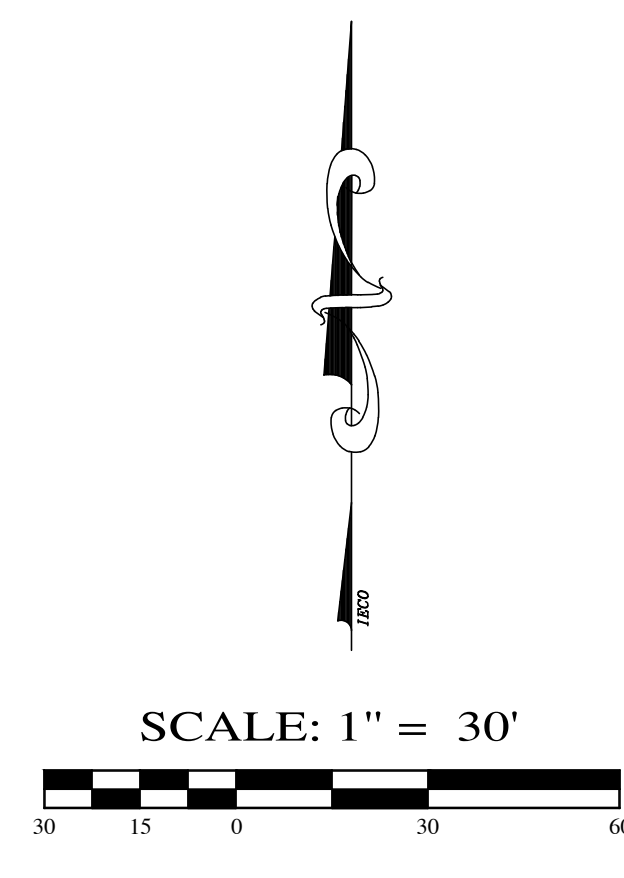
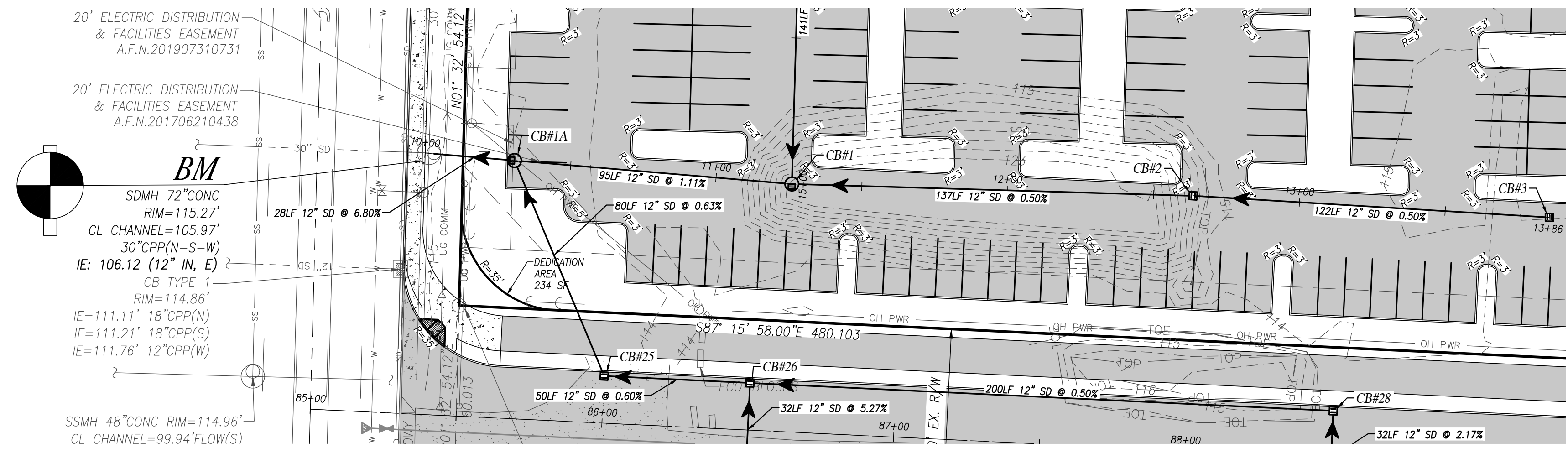
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**KENDALL AUTO GROUP**

DWG FILENAME: 201092-FINAL.DWG DESIGNED BY: SPC DATE: 06-05-2022 SCALE: 1"=30' JOB NO.: 20-1092 SHEET 20-1092

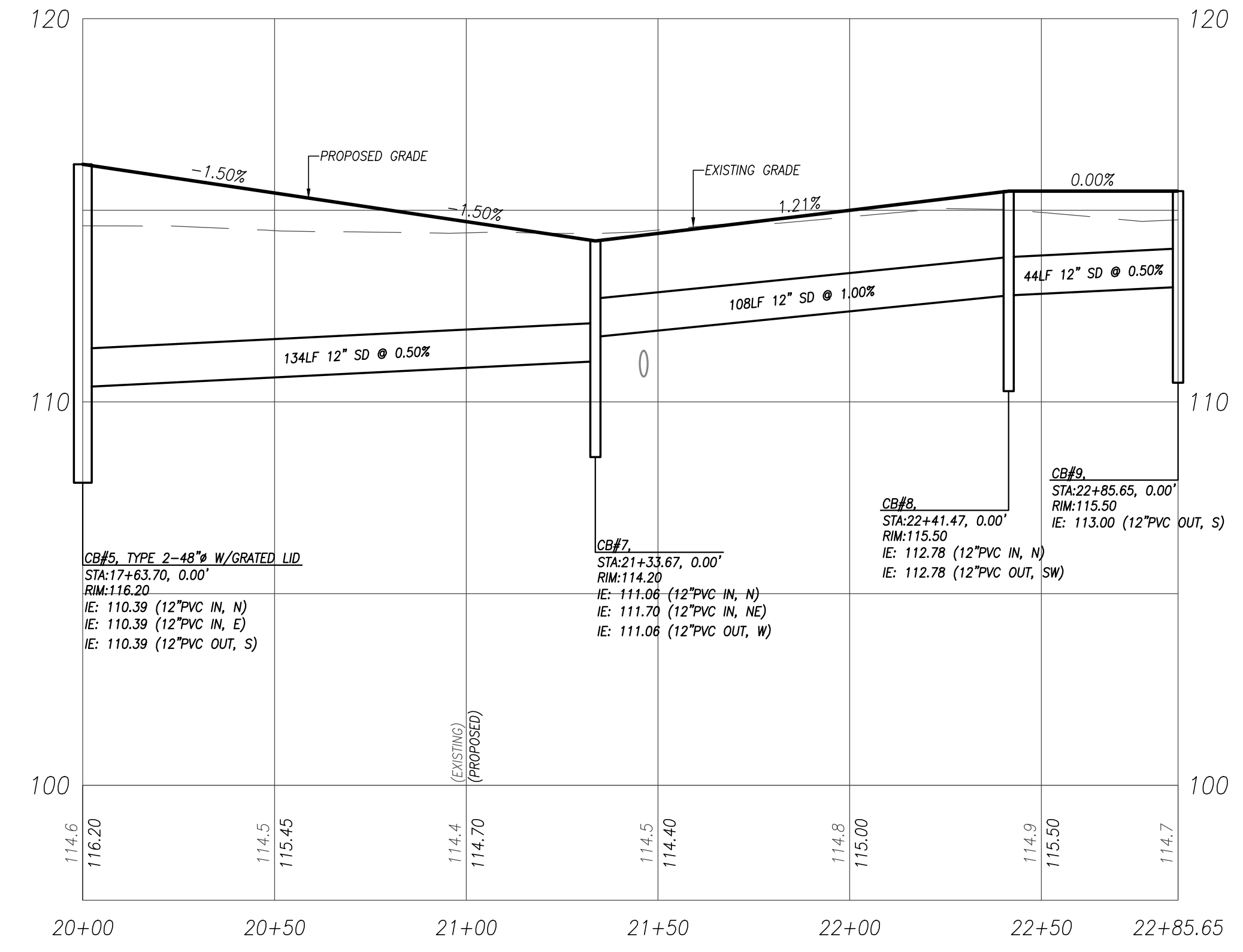
ROAD AND DRAINAGE PLAN C3.1



SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



EX. CB TO CB#3 PROFILE  
SCALE: 1"=30' HORIZ., 1"=3' VERT.



CB#5 TO CB#9 PROFILE  
SCALE: 1"=30' HORIZ., 1"=3' VERT.



Know what's below.  
Call before you dig.

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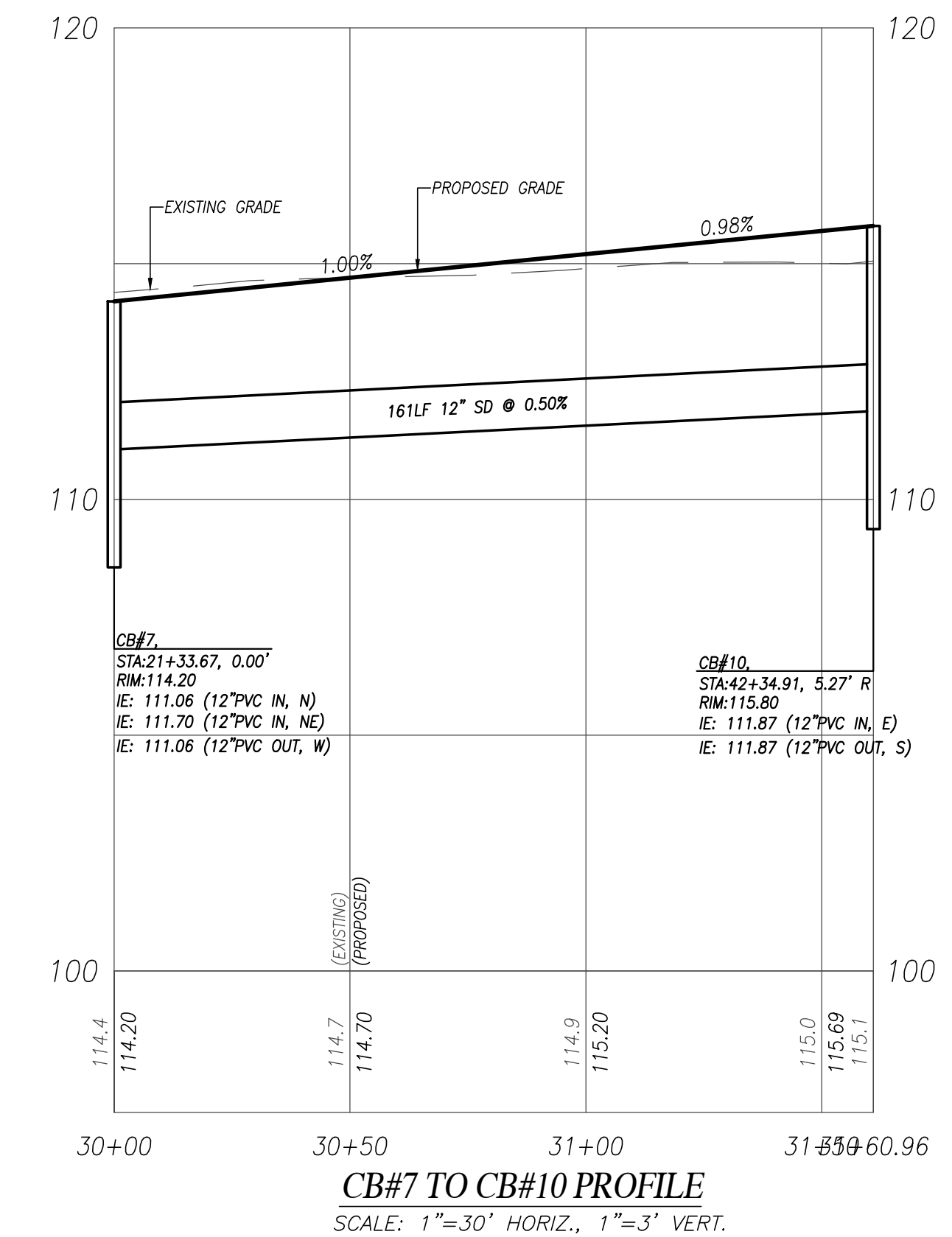
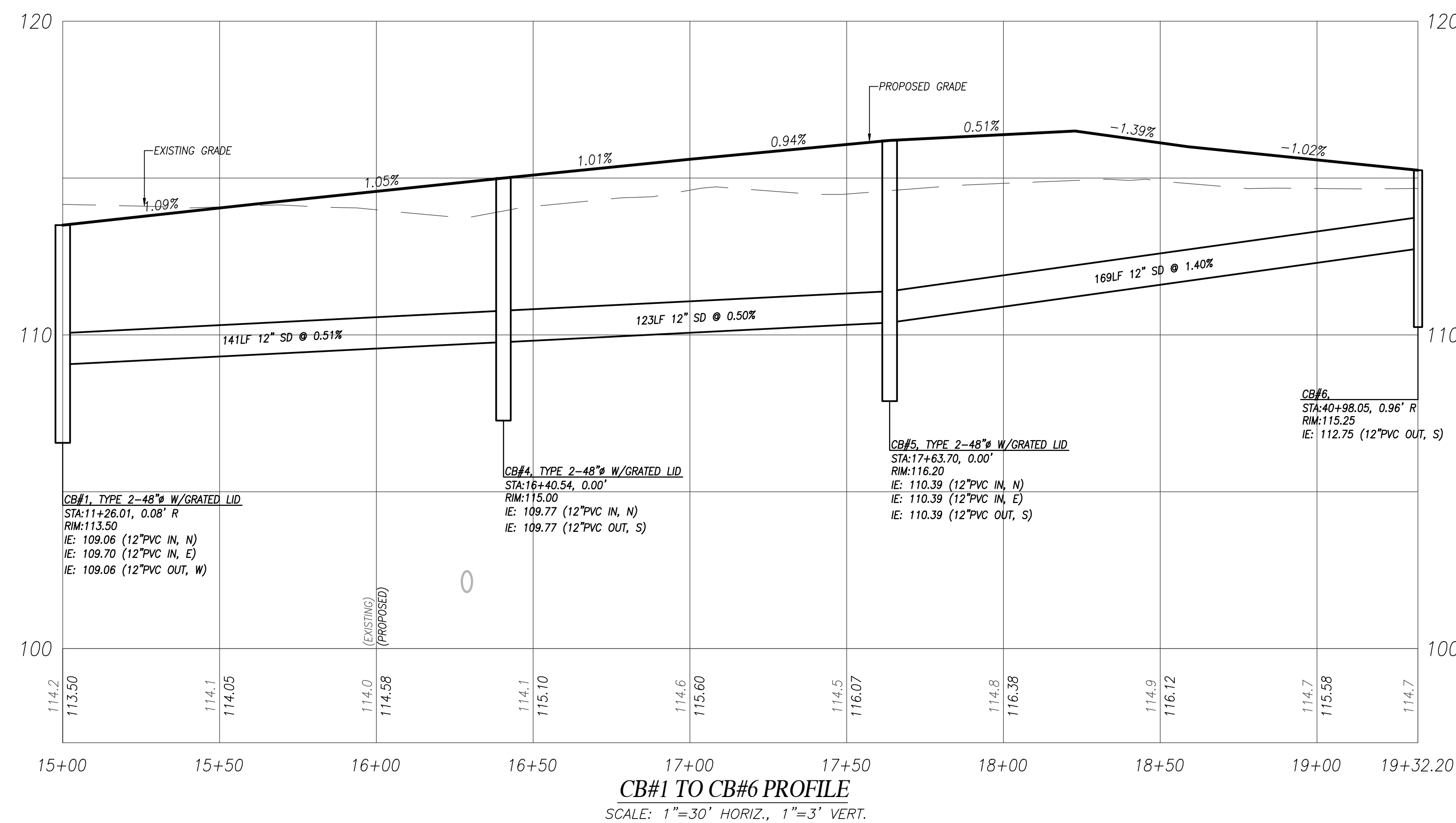
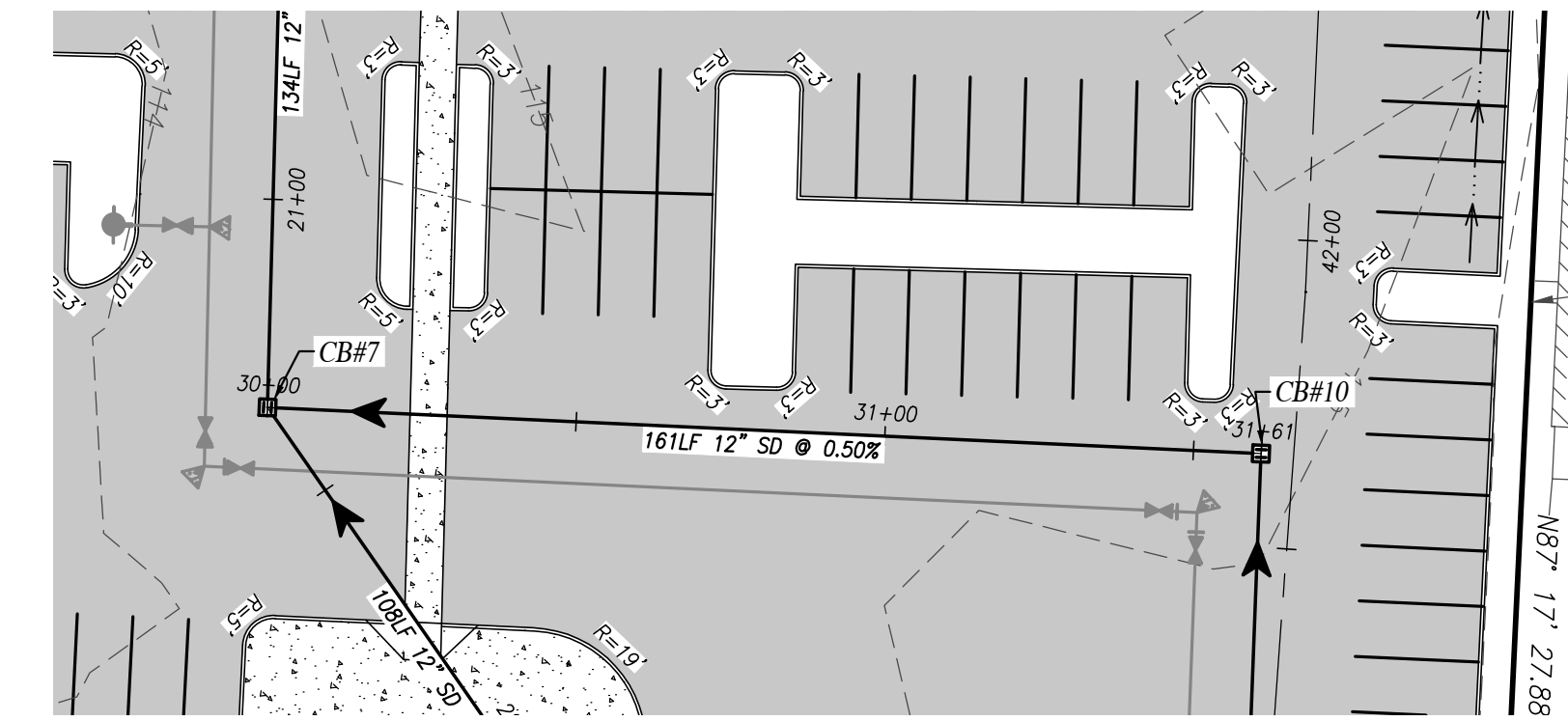
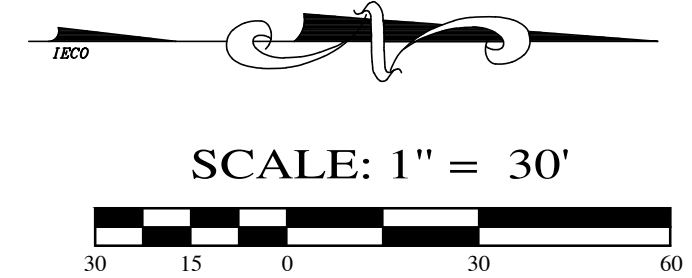
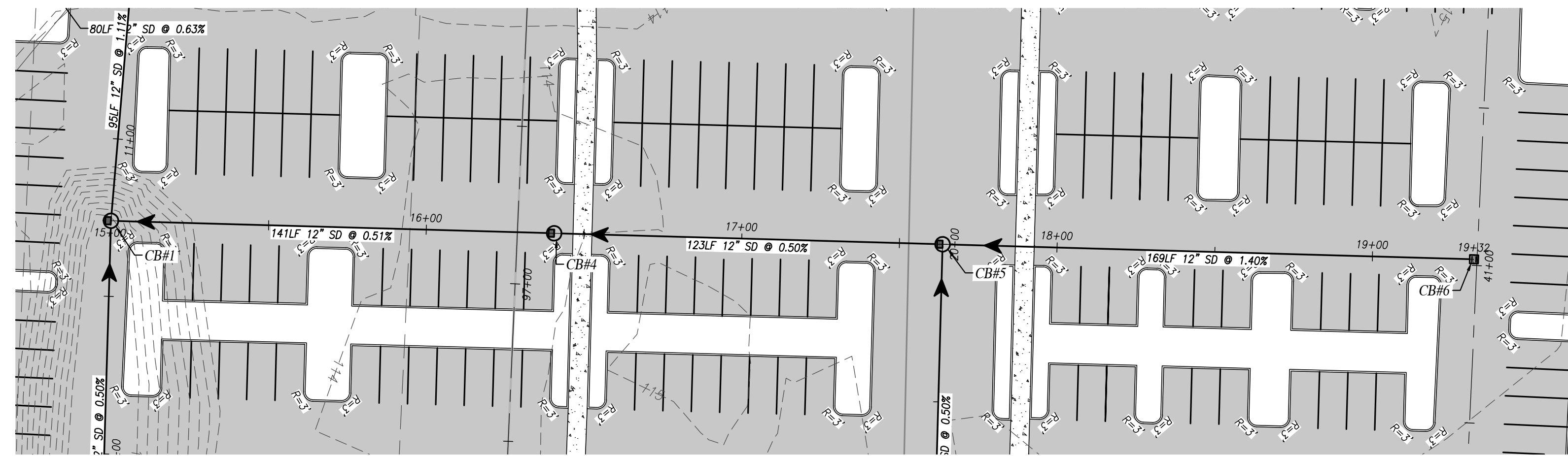
SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
**KENDALL AUTO GROUP**

DWG FILENAME: 201092-FINAL.DWG DESIGNED BY: SPC DATE: 06-05-2022 SCALE: 1"=30' JOB NO.: 20-1092

ROAD AND DRAINAGE PLAN AND PROFILE **C3.7**



SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



Know what's below.  
Call before you dig.

**UTILITY CONFLICT NOTE:**

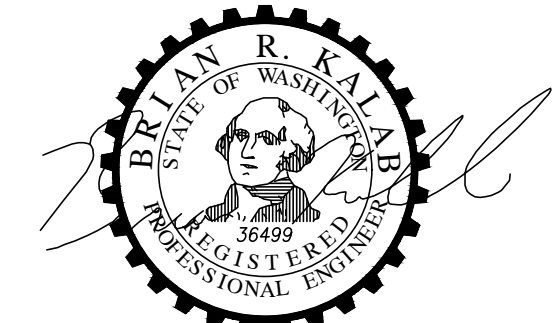
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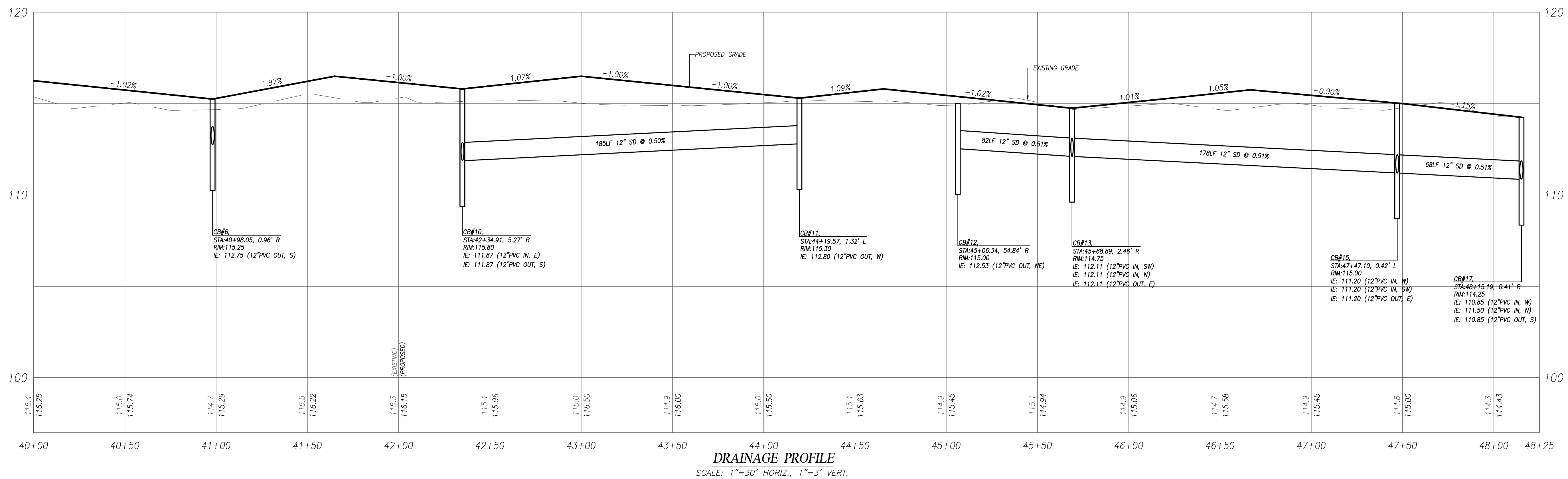
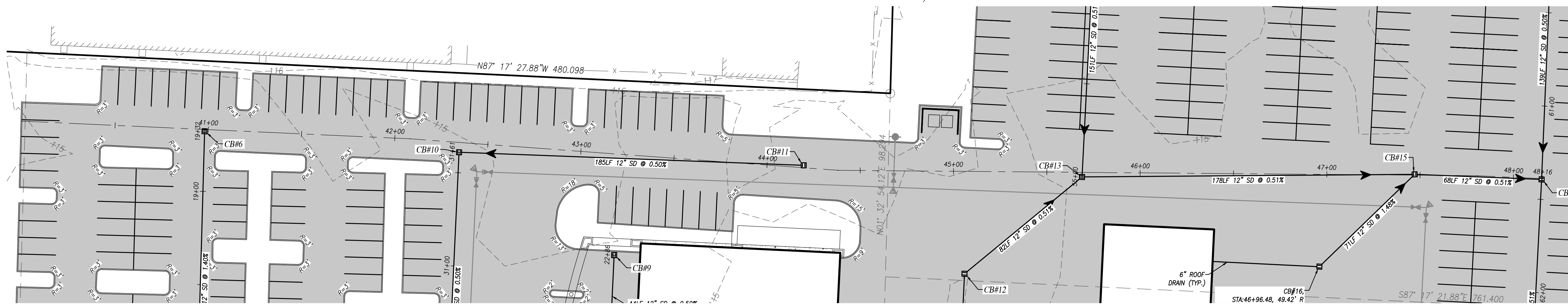
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201092-FINAL.DWG	SPC	06-05-2022	1"=30'	20-1092

SHEET **C3.2**

**ROADS AND DRAINAGE  
PLAN AND PROFILES**



SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



DRAINAGE PROFILE  
SCALE: 1"=30" HORIZ., 1"=3" VERT.



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**INSIGHT ENGINEERING CO.**  
P.O. BOX - 1478  
EVERETT, WA 98206  
(425) 303-9363 (425) 303-9362 FAX  
INFO@INSIGHTENGINEERING.NET

SITE ADDRESS: XXXXX SMOKEY POINT BLVD  
MARYSVILLE, WA 98223  
TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

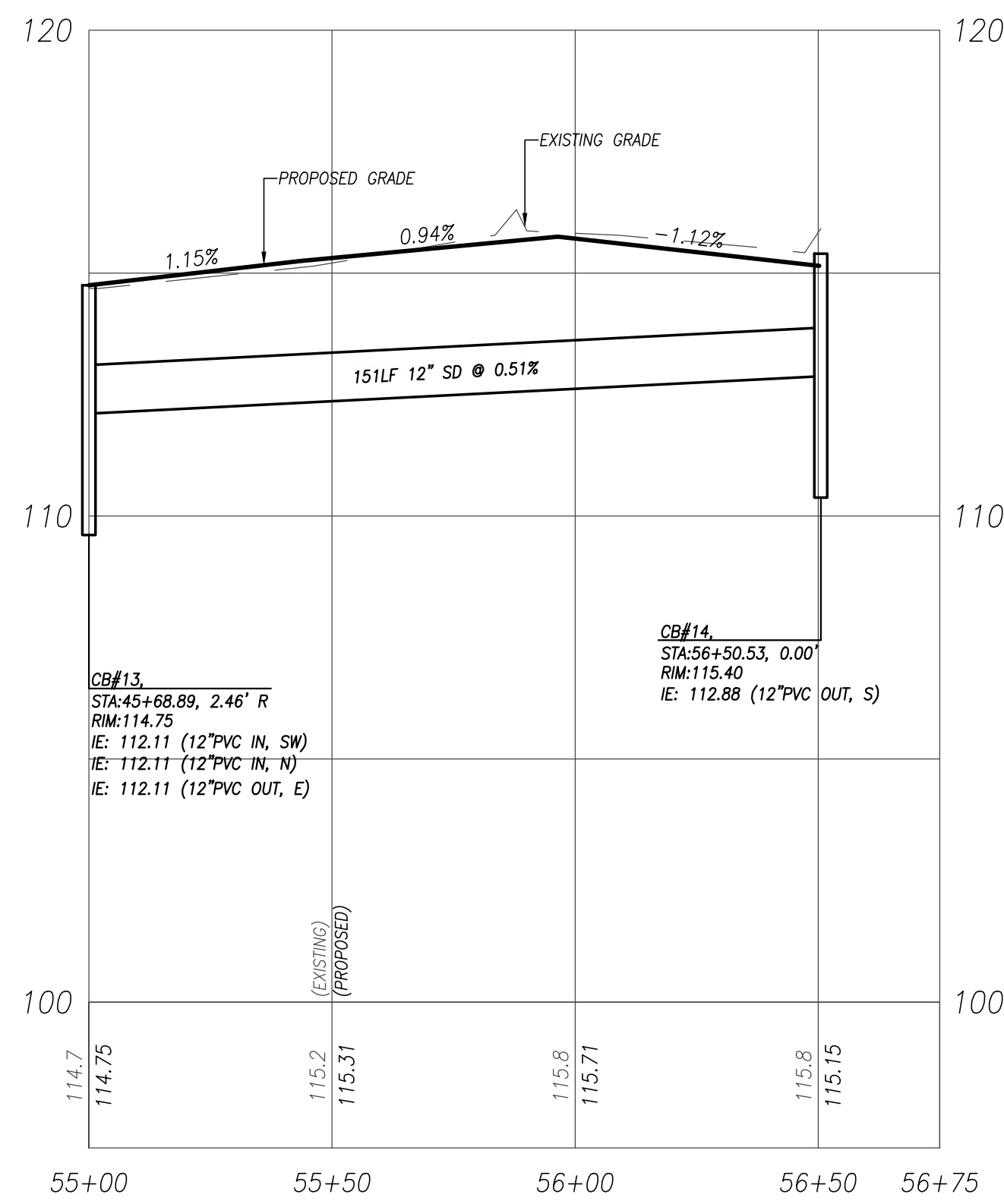
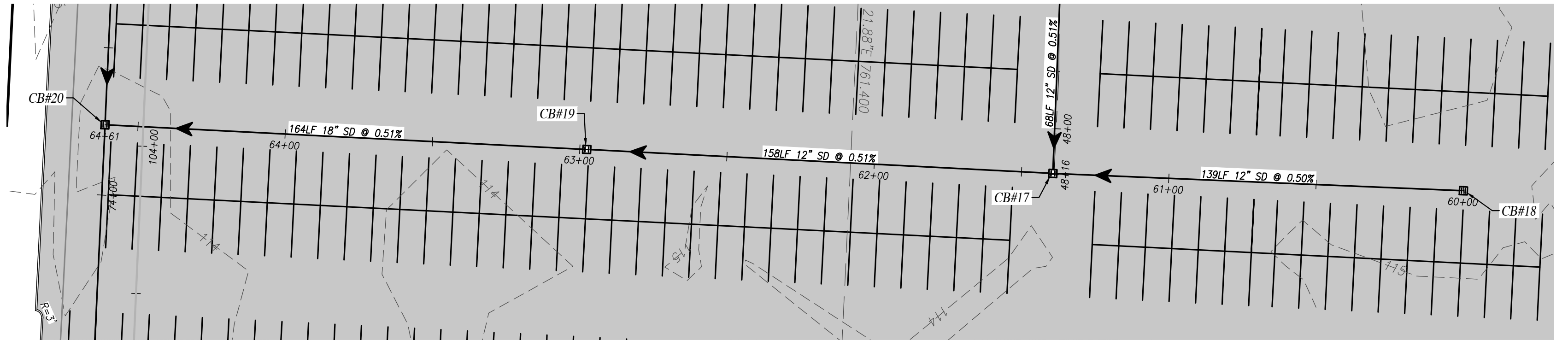
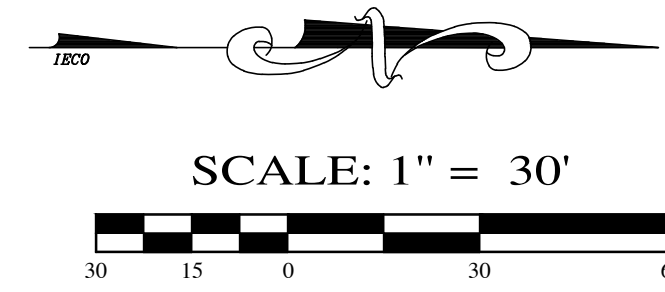
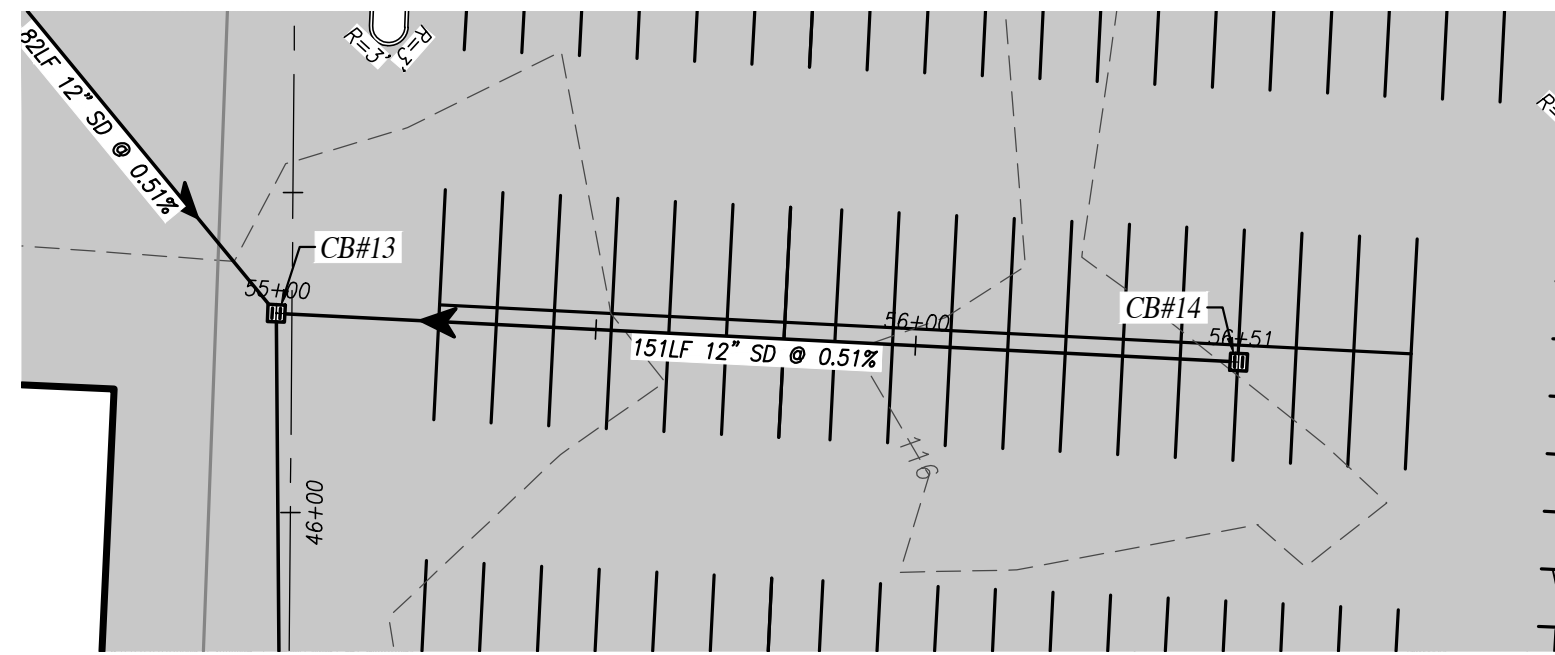
SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
**KENDALL AUTO GROUP**

DWG FILENAME: 201092-FINAL.DWG SPC  
DESIGNED BY: SPC  
DATE: 06-05-2022  
SCALE: 1"=30"  
JOB NO.: 20-1092  
SHEET

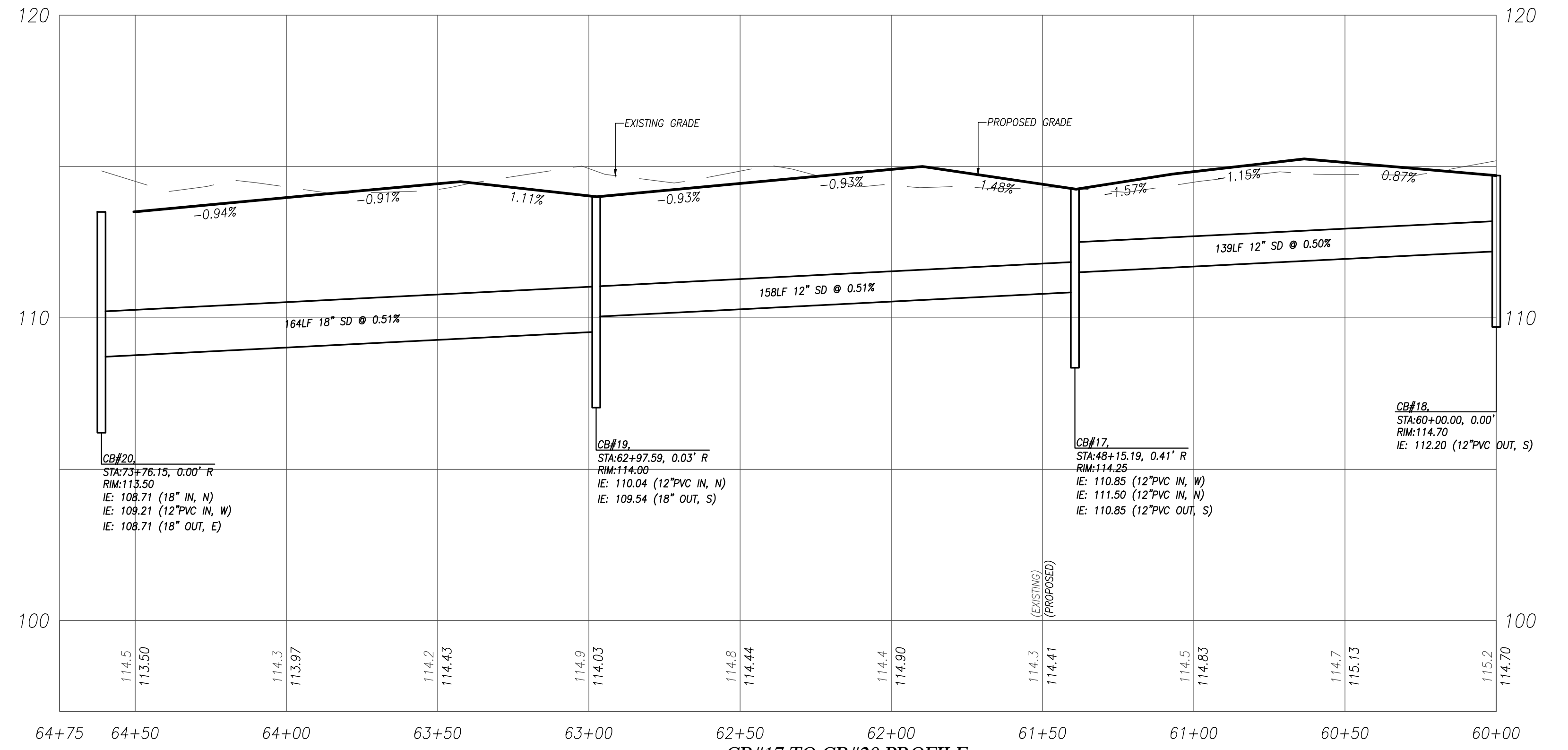
ROAD AND DRAINAGE  
PLAN AND PROFILE  
**C3.4**



SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



CB#13 TO CB#14 PROFILE  
SCALE: 1"=30' HORIZ., 1"=3' VERT.



CB#17 TO CB#20 PROFILE  
SCALE: 1"=30' HORIZ., 1"=3' VERT.



Know what's below.  
Call before you dig.

UTILITY CONFLICT NOTE:

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NOTES:

- ALL CB'S ARE TYPE-1 W/GRATED LID UNLESS OTHERWISE SPECIFIED.
- THERE SHALL BE 18" VERTICAL SEPARATION BETWEEN WATER, STORM AND SEWER UTILITIES. STORM AND SEWER/ OR WATER SHALL HAVE 5' HORIZONTAL WATER & SEWER SHALL HAVE 10' HORIZONTAL SEPARATION.

CITY OF MARYSVILLE  
CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRED OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSPFW HYDRAULIC PROJECT APPROVAL (HPA), WSDOE NOTICE OF INTENT (NOI), ANY CORPS OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_\_\_\_.

BY: KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL. PER MMC: 22A.040.020 AND 22A.040.030.

REV. NO.	DESCRIPTION	INITIALS	DATE



08/08/2022



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TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
**KENDALL AUTO GROUP**

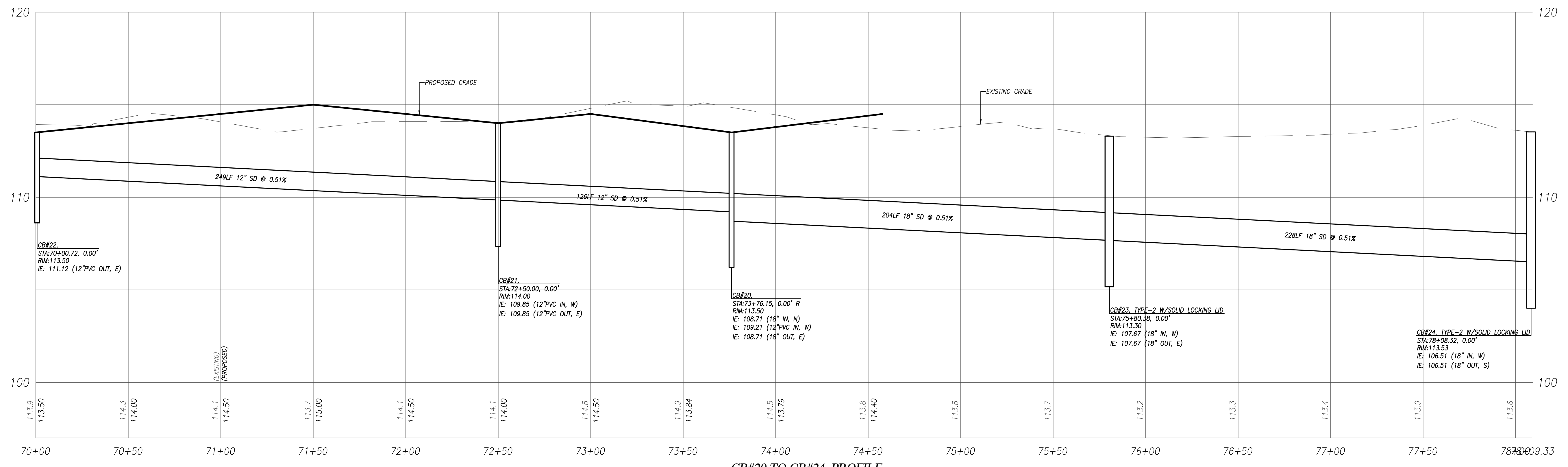
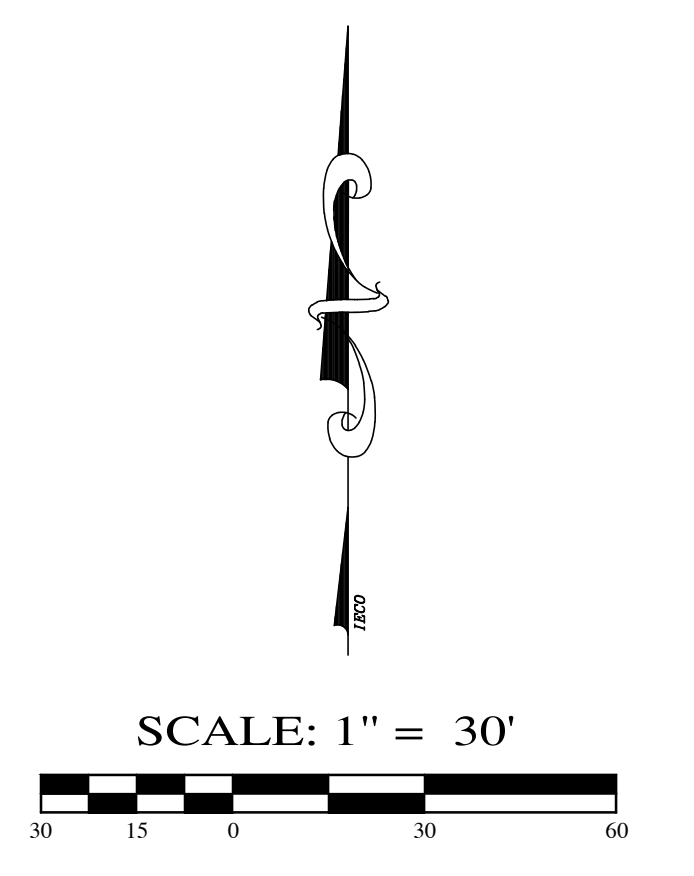
DWG FILENAME: 201092-FINAL.DWG  
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SCALE: 1"=30'  
JOB NO.: 20-1092  
SHEET

ROADS AND DRAINAGE  
PLAN AND PROFILES

C3.5



SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



CB#20 TO CB#24 PROFILE  
SCALE: 1"=30' HORIZ., 1"=3' VERT.

- NOTES:**
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  2. THERE SHALL BE 18" VERTICAL SEPARATION BETWEEN WATER, STORM AND SEWER UTILITIES. STORM AND SEWER/ OR WATER SHALL HAVE 5' HORIZONTAL. WATER & SEWER SHALL HAVE 10' HORIZONTAL SEPARATION.



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**CITY OF MARYSVILLE**  
**CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**  
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THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_\_\_.  
BY: \_\_\_\_\_  
KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER  
THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL. PER MMC: 22A.040.020 AND 22A.040.030.



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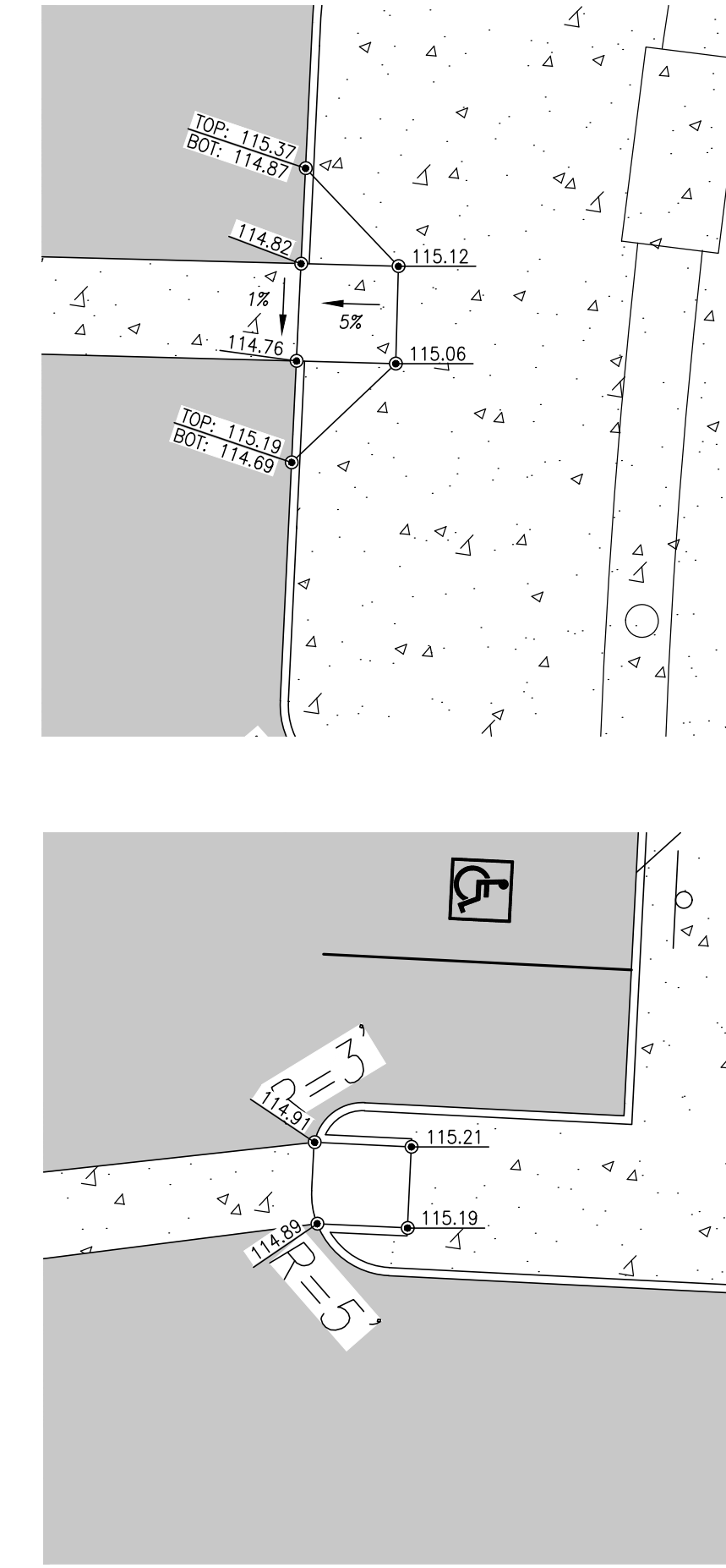
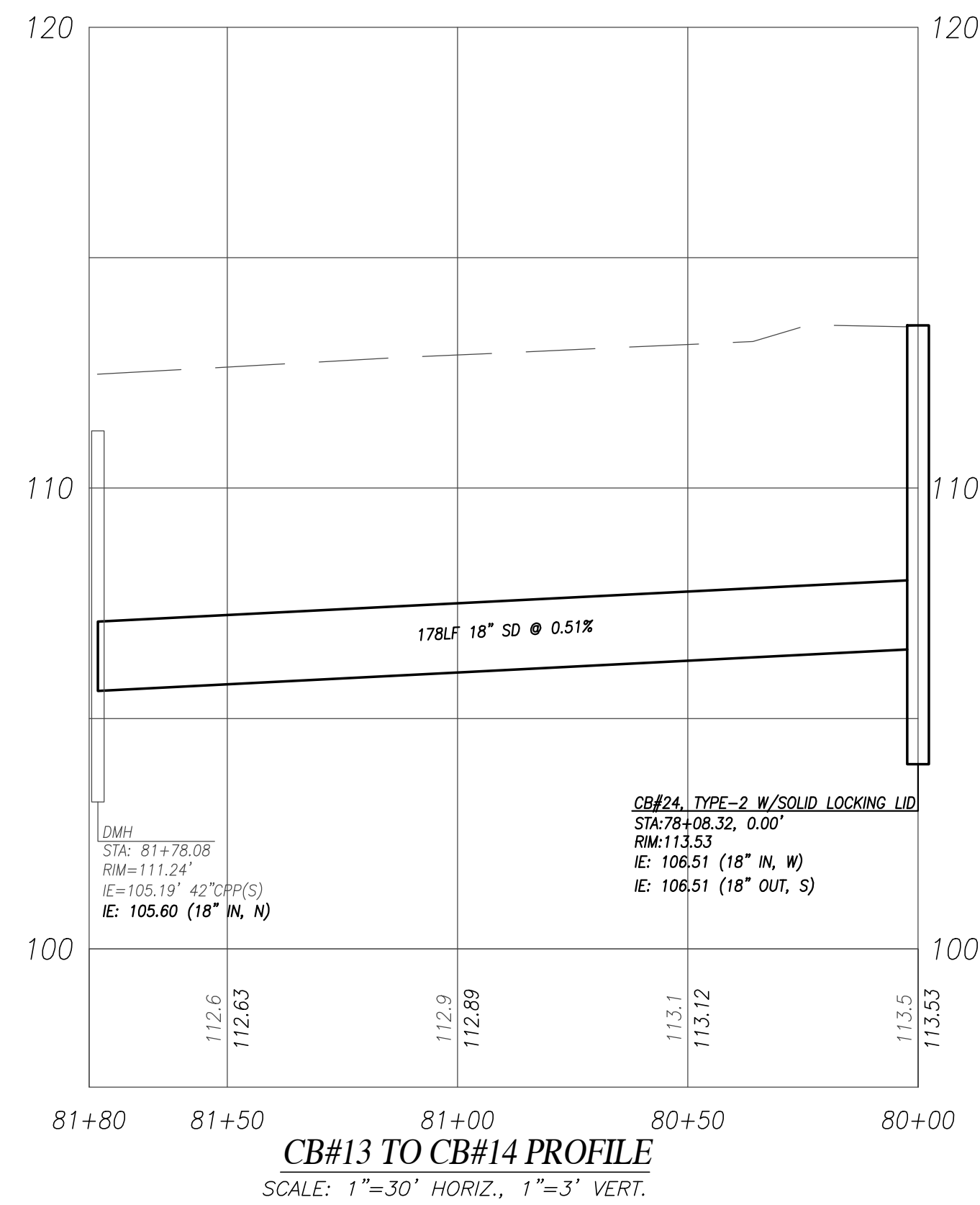
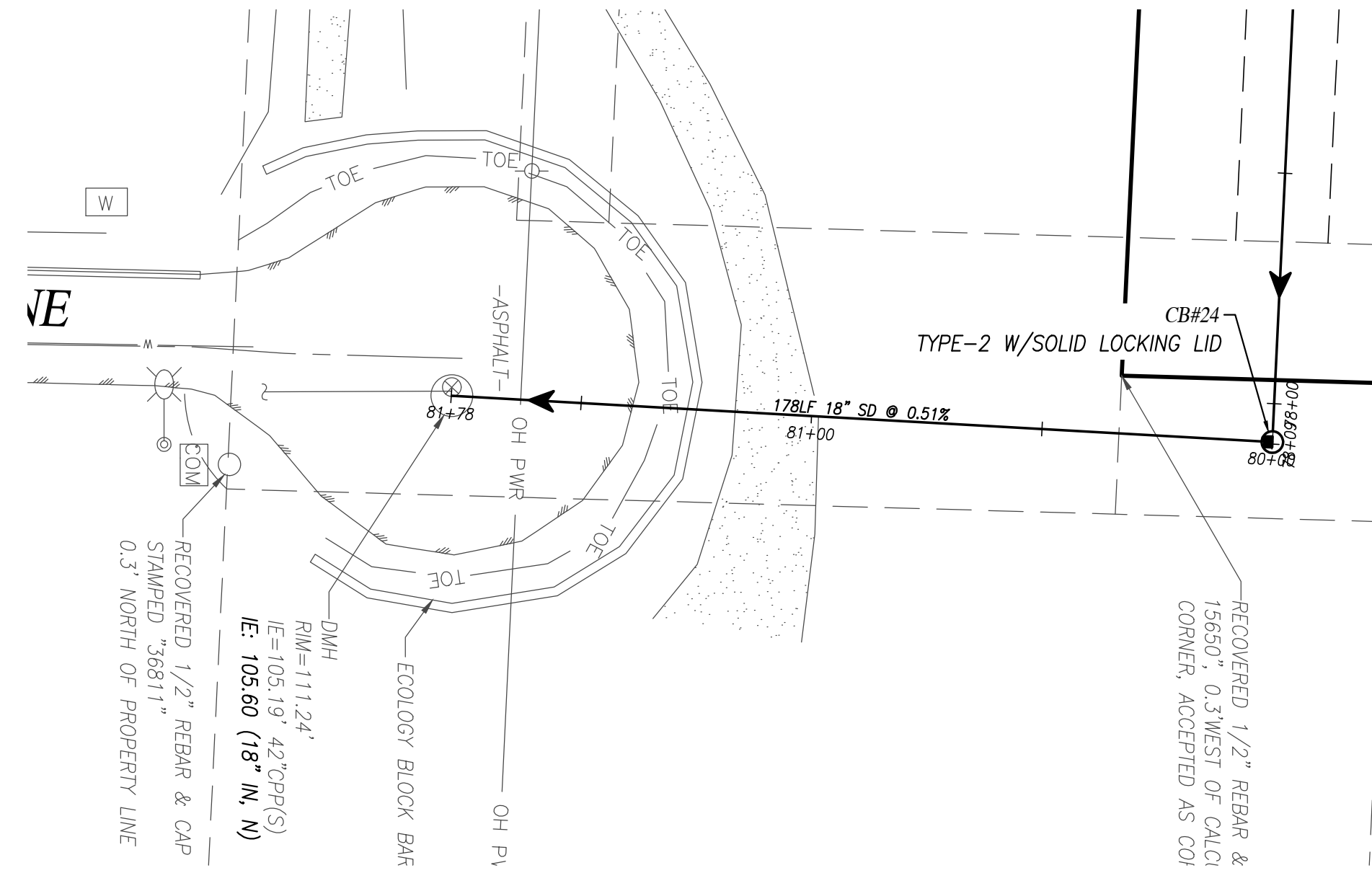
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SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
**KENDAL AUTO GROUP**

DWG FILENAME: 201092-FINAL.DWG	DESIGNED BY: SPC	DATE: 06-05-2022	SCALE: 1"=30'	JOB NO.: 20-1092
ROAD AND DRAINAGE PLAN AND PROFILE				SHEET C3.6



SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



RAMP DETAILS  
SCALE: 1"=10'

- NOTES:**
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SHEET

ROADS AND DRAINAGE  
PLAN AND PROFILES  
C3.7

**CITY OF MARYSVILLE**  
**CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**  
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**GENERAL NOTES:**

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF MARYSVILLE. 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 DEVELOPMENT SERVICES AT (360-363-8100) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.
- 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, SANITARY SEWER AND STORM SYSTEMS.
- 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 MARYSVILLE CITY ENGINEERING DESIGN AND DEVELOPMENT STANDARDS (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- ALL WORK WITHIN THE DEVELOPMENT AND CITY RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE.
- PRIOR TO ANY SITE CONSTRUCTION INCLUDING CLEARING/LOGGING OR GRADING, THE SITE CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR (OR PROJECT ENGINEER) AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR'S NAME AND PHONE NUMBER IS \_\_\_\_\_.
- THE DEVELOPER, CONTRACTOR AND PROJECT ENGINEER IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER'S NAME AND PHONE NUMBER IS \_\_\_\_\_.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FOR UTILITY, ROAD, AND RIGHT-OF-WAY CONSTRUCTION. THE CONTRACTOR FOR THIS PROJECT IS \_\_\_\_\_ CONTACT PERSON IS \_\_\_\_\_ PHONE \_\_\_\_\_ MOBILE PHONE \_\_\_\_\_ EMERGENCY PHONE \_\_\_\_\_.
- THE CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SWPPP PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND FINAL STABILIZATION HAS OCCURRED. SEDIMENT LADEN WATERS SHALL NOT ENTER THE CITY STORMWATER DRAINAGE SYSTEM OR A NATURAL DRAINAGE SYSTEM.
- THE CONTRACTOR SHALL KEEP TWO SETS OF PLANS ON SITE AT ALL TIMES FOR RECORDING RECORD DRAWING INFORMATION; ONE SET SHALL BE SUBMITTED TO THE PROJECT ENGINEER, AND ONE SET SHALL BE SUBMITTED TO THE CITY ENGINEER AT COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE OF WORK.
- PRIOR TO CONSTRUCTION THE OWNER AND/OR CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY ENGINEER WHEN CONFLICTS EXIST BETWEEN THE PLANS AND FIELD CONDITIONS. CONFLICTS SHALL BE RESOLVED (INCLUDING PLAN AND PROFILE REVISIONS) AND RESUBMITTED FOR APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS, OR CHANGES TO THE DESIGN 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.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. PRIOR TO CONSTRUCTION THE OWNER AND/OR CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY ENGINEER WHEN CONFLICTS EXIST BETWEEN THE PLANS AND FIELD CONDITIONS. CONFLICTS SHALL BE RESOLVED (INCLUDING PLAN AND PROFILE REVISIONS) AND RESUBMITTED FOR APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CITY OF MARYSVILLE HORIZONTAL DATUM SHALL BE NAD 83, AND THE VERTICAL DATUM SHALL BE NAVD 88. IN WASHINGTON STATE PLANE COORDINATES (FEET), WASHINGTON NORTH ZONE 4601. A LIST OF BENCHMARKS IS AVAILABLE THROUGH THE PUBLIC WORKS DEPARTMENT.
- TEMPORARY STREET PATCHING SHALL BE ALLOWED FOR AS APPROVED BY THE CITY ENGINEER. TEMPORARY STREET PATCHING SHALL BE PROVIDED BY PLACEMENT AND COMPACTION OF ATB OR CLASS B ASPHALT CONCRETE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AS REQUIRED.
- PROVIDE TRAFFIC CONTROL PLAN(S) IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS REQUIRED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A COPY OF THESE APPROVED PLANS ON CONSTRUCTION SITE AT ALL TIMES.
- ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL WORK SHALL BE THE ENGINEER'S RESPONSIBILITY. LOCATION OF UTILITIES SHOWN ON CONSTRUCTION PLANS ARE BASED ON BEST RECORDS AVAILABLE AND ARE SUBJECT TO VARIATION. FOR ASSISTANCE IN UTILITY LOCATION, CALL 1-800-424-5555.
- THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
- 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.
- 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.
- 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.
- CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
- A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION VISIT THE DEPARTMENT OF ECOLOGY WEB SITE WWW.ECOWA.GOV/PROGRAMS/WQ/STORMWATER/CONSTRUCTION/.
- 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.
- A GRADING PERMIT ISSUED PURSUANT TO THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE, AND APPROVAL OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE OBTAINED FROM THE COMMUNITY DEVELOPMENT DEPARTMENT PRIOR TO ANY ON-SITE GRADING WORK NOT EXPRESSLY EXEMPT BY THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE.
- PRIOR TO COMMENCEMENT OF FRAMING, FINAL DRAINAGE INSPECTION AND APPROVAL OF THE ROOF LEADER AND POSITIVE FOOTING SYSTEMS SHALL BE COMPLETED BY THE BUILDING DEPARTMENT. CALL 360-363-8100 TO SCHEDULE THE INSPECTION.

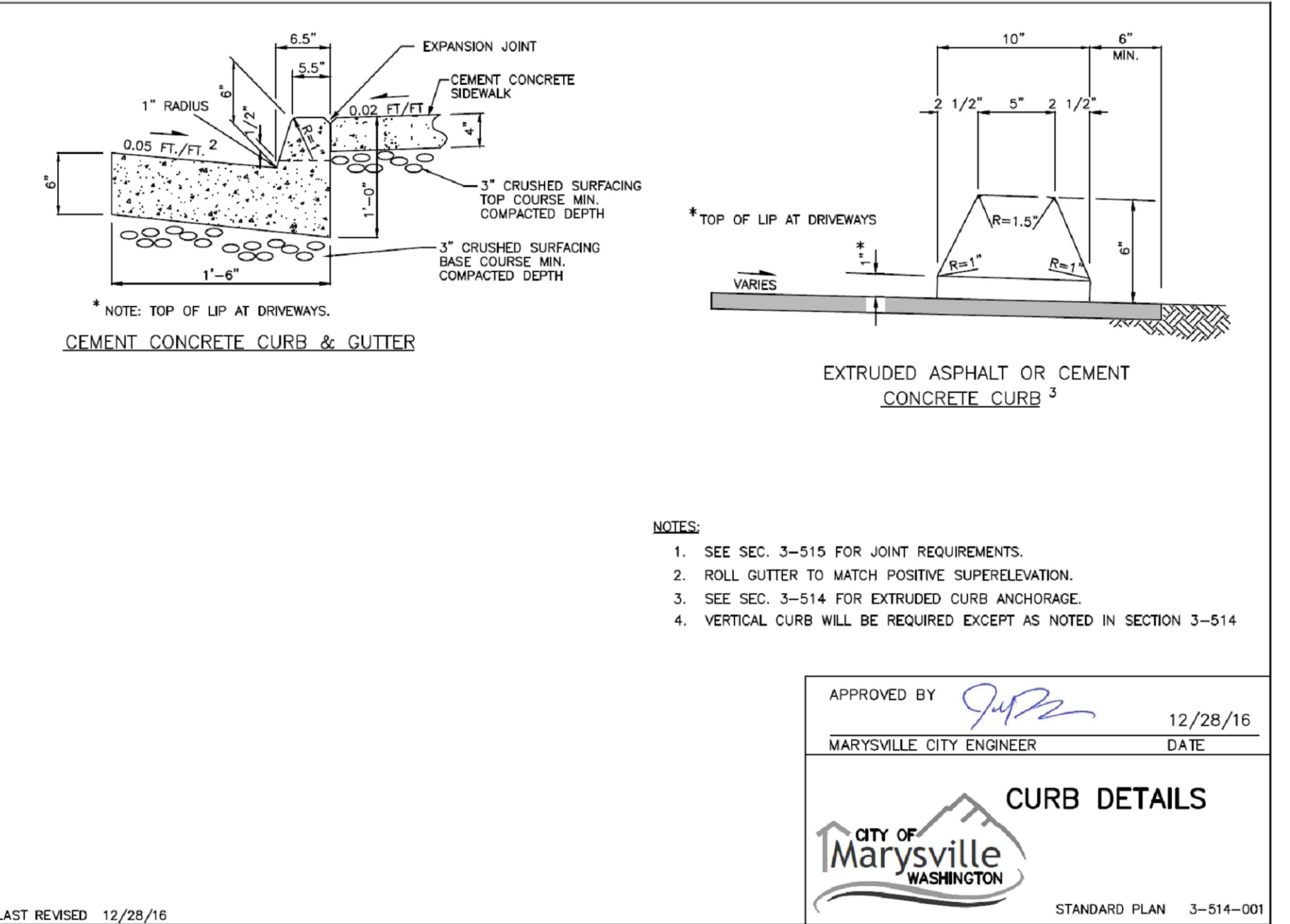
**ROADWAY NOTES:**

- 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.
- CURB AND GUTTER INSTALLATION SHALL CONFORM TO CITY STANDARD DETAIL 3-514.
- SIDEWALKS AND DRIVEWAYS SHALL BE INSTALLED AS LOTS ARE BUILT ON. SIDEWALKS AND DRIVEWAYS SHALL CONFORM TO CITY STANDARD DETAIL 3-303-001 AND -002. IF ASPHALT IS DAMAGED DURING REPLACEMENT OF CURB AND GUTTER, THE REPAIR SHALL CONFORM TO CITY STANDARD DETAIL 3-514-001.
- THE SURROUNDING GROUND (5 FEET BEYOND THE BASE) FOR ALL POWER TRANSFORMERS, TELEPHONE/TV PEDESTALS, AND STREET LIGHT MAIN DISCONNECTS SHALL BE GRADED TO A POSITIVE 2 PERCENT SLOPE FROM TOP OF CURB.
- 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 SIGN SPECIALIST (425) 328-7954 FOR LATER INSTALLATION BY THE CITY. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- PRIOR TO ANY SIGN OR STRIPING INSTALLATION OR REMOVAL THE CONTRACTOR SHALL CONTACT THE CITY SIGN SPECIALIST (425) 328-7954 TO ARRANGE FOR AN ON-SITE MEETING TO DISCUSS PLACEMENT AND UNIFORMITY.
- 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.

**STORM WATER NOTES:**

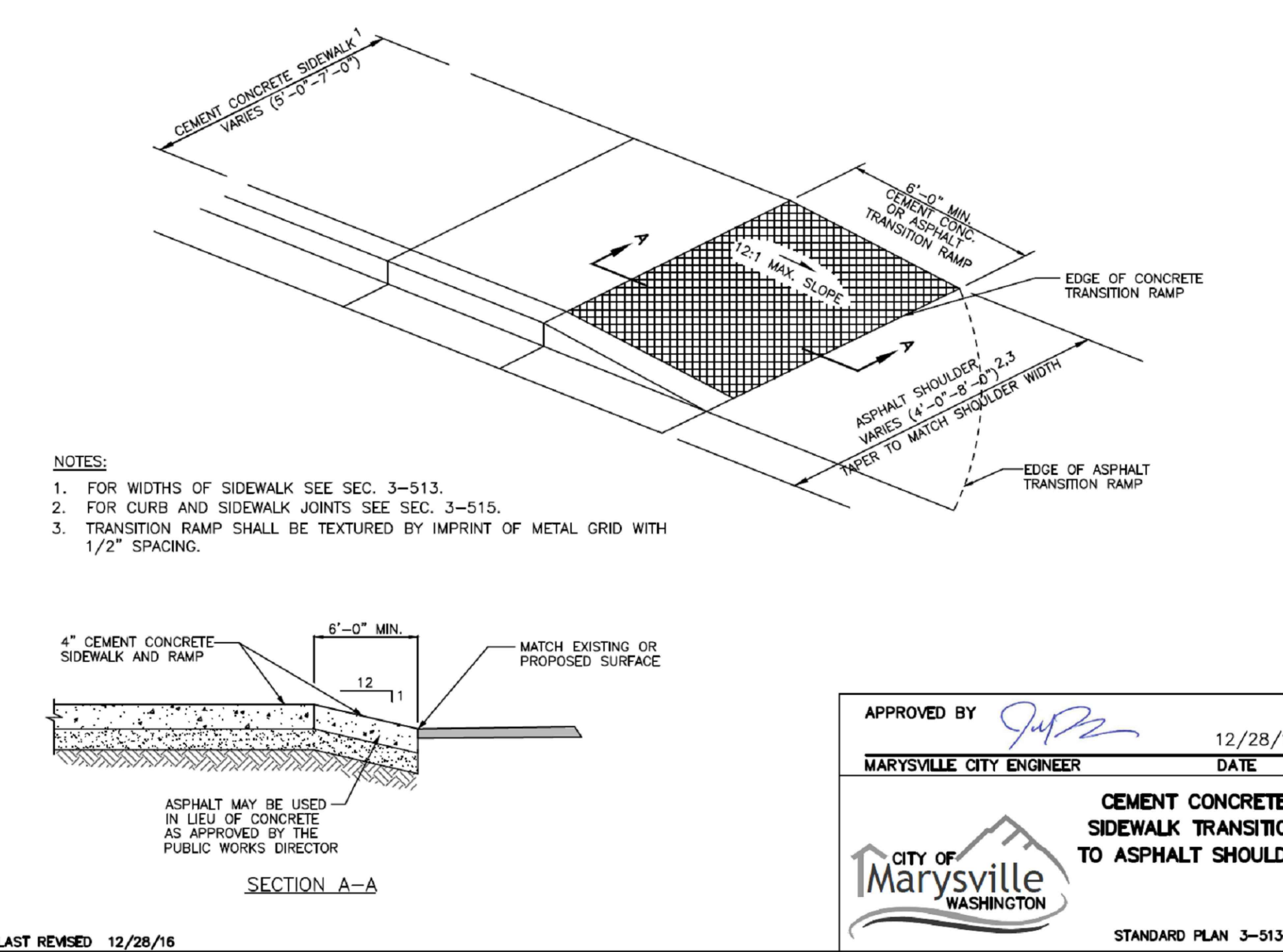
- DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
- ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO.4-08-009. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 4-040-004.
- MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 4-08-009 AND 4-080-15 THRU 4-080-224. 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.
- CATCH BASINS SHALL BE TYPE I UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE. TYPE I CATCH BASINS SHALL CONFORM TO CITY STANDARD DETAIL NO.4-080-007 AND 4-080-008 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO. 4-08-009 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL NO.4-080-022. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-02 (OLYMPIC FOUNDRY NO. SM60, SM52, OR SM44 OR EQUAL). WINED GRATES SHALL BE REQUIRED ON ALL STORM STRUCTURES WHEN ROADWAY PROFILE IS GREATER THAN 3% AND SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-01 (OLYMPIC FOUNDRY NO. SM60V OR EQUAL). GRATES LOCATED IN THE GUTTER FLOW LINE SHALL BE DEPRESSED 0.1 FEET BELOW PAVEMENT LEVEL.
- ALL CATCH BASINS AND MANHOLES LOCATED OUTSIDE OF PAVED AREAS, SHALL BE PLACED IN A SIX FOOT SQUARE BY FOUR INCH THICK CONCRETE PAD.
- ALL CATCH BASINS AND MANHOLES SHALL HAVE LOCKING LIDS. ROLLED GRATES ARE NOT APPROVED FOR USE OUTSIDE OF THE CITY RIGHT-OF-WAY OR FOR USE WITH TYPE II MANHOLES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET AND CATCH BASIN FRAMES AND GRATES TO GRADE JUST PRIOR TO CURB INSTALLATION AND/OR PAVING.
- TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 3-703-002 AND-003.
- TRENCH BACKFILL OF NEW UTILITIES AND STORMWATER DRAINAGE SYSTEM FEATURES SHALL BE COMPACTED TO SEEK MAXIMUM DENSITY (MODIFIED PROCTOR) UNDER ROADWAYS AND 90% MAXIMUM DENSITY (MODIFIED PROCTOR) OFF ROADWAYS. COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 7-08.3(3) AND 2-03.3(14)(c) - METHOD B AS DEFINED IN THE CURRENT EDITION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. FOR PERMEABLE PAVEMENT AND OTHER STORMWATER BMP'S DESIGNED TO INFILTRATE SUBGRADE COMPACTION SHOULD BE "FIRM AND UNYIELDING" (QUALITATIVE), AND 90-92% STANDARD PROCTOR (QUANTITATIVE). DO NOT ALLOW HEAVY COMPACTION DUE TO HEAVY EQUIPMENT OPERATION. THE SUBGRADE SHOULD NOT BE SUBJECT TO TRUCK TRAFFIC.
- STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- 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(1) E & F OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. PIPE RUNS SHALL BE TESTED WITH PIPE LOADED AND COMPACTED TO FINISH GRADE. PRODUCTS USED TO SEAL THE INSIDE OF THE PIPE ARE NOT TO BE USED TO OBTAIN THE TEST.
- ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS, PRESERVED NATIVE VEGETATION AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES.
- STORMWATER FACILITIES WITH SIDE SLOPES STEEPER THAN 3:1 OR WITH A MAXIMUM WATER DEPTH GREATER THAN 3 FEET SHALL REQUIRE A POWDER OR VINYL COATED CHAIN LINK PERIMETER FENCE PER STANDARD PLANS 3-501-007 AND -008. SIDE SLOPE AVERAGING SHALL NOT BE ALLOWED. ALL INLET AND OUTFALL PIPES SHALL HAVE A TRASH RACK INSTALLED AND A MORTARED RIPRAP HEADWALL. REFER TO STORM DRAINAGE NOTE 21.
- PRIOR TO SIDEWALK CONSTRUCTION, LOT DRAINAGE SYSTEMS, STUB-OUTS AND ANY BEHIND SIDEWALK DRAINS MUST BE INSTALLED AS REQUIRED. PIPE SHALL BE PVC 3024, OR SDP-35. STUB-OUTS SHALL BE MARKED WITH A 2" x 4" WITH 3 FEET VISIBLE ABOVE GRADE AND MARKED "STORM". LOCATIONS OF THESE INSTALLATIONS SHALL BE SHOWN ON THE RECORD DRAWING CONSTRUCTION PLANS SUBMITTED TO THE CITY.
- STORM WATER RETENTION/DETENTION FACILITIES, STORM DRAINAGE PIPE AND CATCH BASINS SHALL BE FLUSHED AND CLEANED BY THE DEVELOPER PRIOR TO CITY OF MARYSVILLE FINAL ACCEPTANCE OF THE PROJECT AND, UPON COMMENCEMENT AND COMPLETION OF THE 2-YEAR WARRANTY PERIOD FOR THE STORM DRAINAGE SYSTEM.
- UNLESS OTHERWISE NOTED, ALL STORM SEWER PIPE SHALL BE: (CP) NON-REINFORCED CONCRETE, ASTM C-14; (RCP) REINFORCED CONCRETE FOR CONCRETE PIPE DIAMETERS 24" OR GREATER, ASTM C-76; OR (CMP) CORRUGATED METAL CMP 10 BE GALVANIZED STEEL WITH TREATMENT 1 ASPHALT COATING OR BETTER; OR CORRUGATED ALUMINUM OR ALUMINO 4024-TO ALUMINIZED STEEL. ALL PIPES SHALL BE INSTALLED WITH RUBBER GASKETS AS PER MANUFACTURERS RECOMMENDATIONS. COVERAGE REQUIREMENTS FOR 12" DIAMETER PIPE: BACKFILL OVER PIPE LESS THAN 12" REQUIRES RCP CLASS IV. BACKFILL OVER PIPE LESS THAN 24" REQUIRES RCP MINIMUM. BACKFILL OVER PIPE GREATER THAN 24" REQUIRES 16 GAGE CMP MINIMUM.
- CORRUGATED POLYETHYLENE PIPE (CPP): A. ALL PIPE SHALL BE SMOOTH INTERIOR. CPP SHALL BE DOUBLE-WALLED. ALL PIPE SHALL MEET AASHTO AND ASTM SPECIFICATIONS. B. UPON REQUEST BY THE CITY INSPECTOR, ALL PIPE RUNS SHALL PASS THE LOW PRESSURE AIR TEST REQUIREMENTS OF SECTION 7-04.3(1) E & F OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. PIPE RUNS SHALL BE TESTED WITH PIPE LOADED AND COMPACTED TO FINISH GRADE. C. UPON REQUEST BY THE CITY INSPECTOR, PIPE SHALL BE SUBJECT TO MANDREL TESTING (MANDREL SIZE = 90% OF NOMINAL PIPE DIAMETER). D. PIPE SHALL BE STORED ON SITE IN SHIPPING BUNKS ON A FLAT LEVEL SURFACE. THIS REQUIREMENT WILL BE STRICTLY ENFORCED. FAILURE TO COMPLY MAY RESULT IN REJECTION OF THE PIPE AND/OR FUTURE RESTRICTION ON USE OF MATERIAL. E. MINIMUM DEPTH OF COVER SHALL BE 2 FEET. F. COUPLINGS SHALL BE INTEGRAL BELL AND SPIGOT OR DOUBLE BELL SEPARATE COUPLINGS. SPLIT COUPLINGS WILL NOT BE ALLOWED. G. BACKFILL SHALL COMPLY WITH SECTION 7-08.3(3) OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION MODIFIED AS FOLLOWS: THE SECOND PARAGRAPH OF SECTION 7-08.3(3) IS DELETED AND REPLACED WITH THE FOLLOWING: THE MATERIAL USED FOR BACKFILLING AROUND AND TO A POINT 1 FOOT ABOVE THE TOP OF THE PIPE SHALL BE CLEAN EARTH OR SAND, FREE FROM CLAY. ANY GRAVEL OR STONES INCLUDED IN THE BACKFILL SHALL PASS THROUGH A 1 1/2 INCH SIEVE.
- ALL NON-PERFORATED METAL PIPE SHALL HAVE NEOPRENE GASKETS AT THE JOINTS. O-RING GASKETS MAY BE USED FOR TYPE-F COUPLING BAND.
- CULVERT ENDS SHALL BE BEVELED TO MATCH SIDE SLOPES. FIELD CUTTING OF CULVERT ENDS IS PERMITTED WHEN APPROVED BY THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE.
- ALL FIELD CUT CULVERT PIPE SHALL BE TREATED AS REQUIRED IN THE STANDARD SPECIFICATIONS OR GENERAL SPECIAL PROVISIONS.
- PIPE SHALL BE PLACED ON STABLE EARTH. IF IN THE OPINION OF THE CITY INSPECTOR, THE EXISTING TRENCH FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACKFILLED WITH GRAVEL BEDDING TO SUPPORT THE PIPE.
- ALL LANDSCAPED AND LAWN AREAS, EXCEPT AREAS WITHIN THE DRIPLINE OF PRESERVED TREES, SHALL BE AMENDED PER BMP TS.13 POST CONSTRUCTION SOIL QUALITY AND DEPTH IN CHAPTER 5, VOLUME V OF THE STORMWATER MANUAL.

**SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M. SNOHOMISH COUNTY, WASHINGTON**



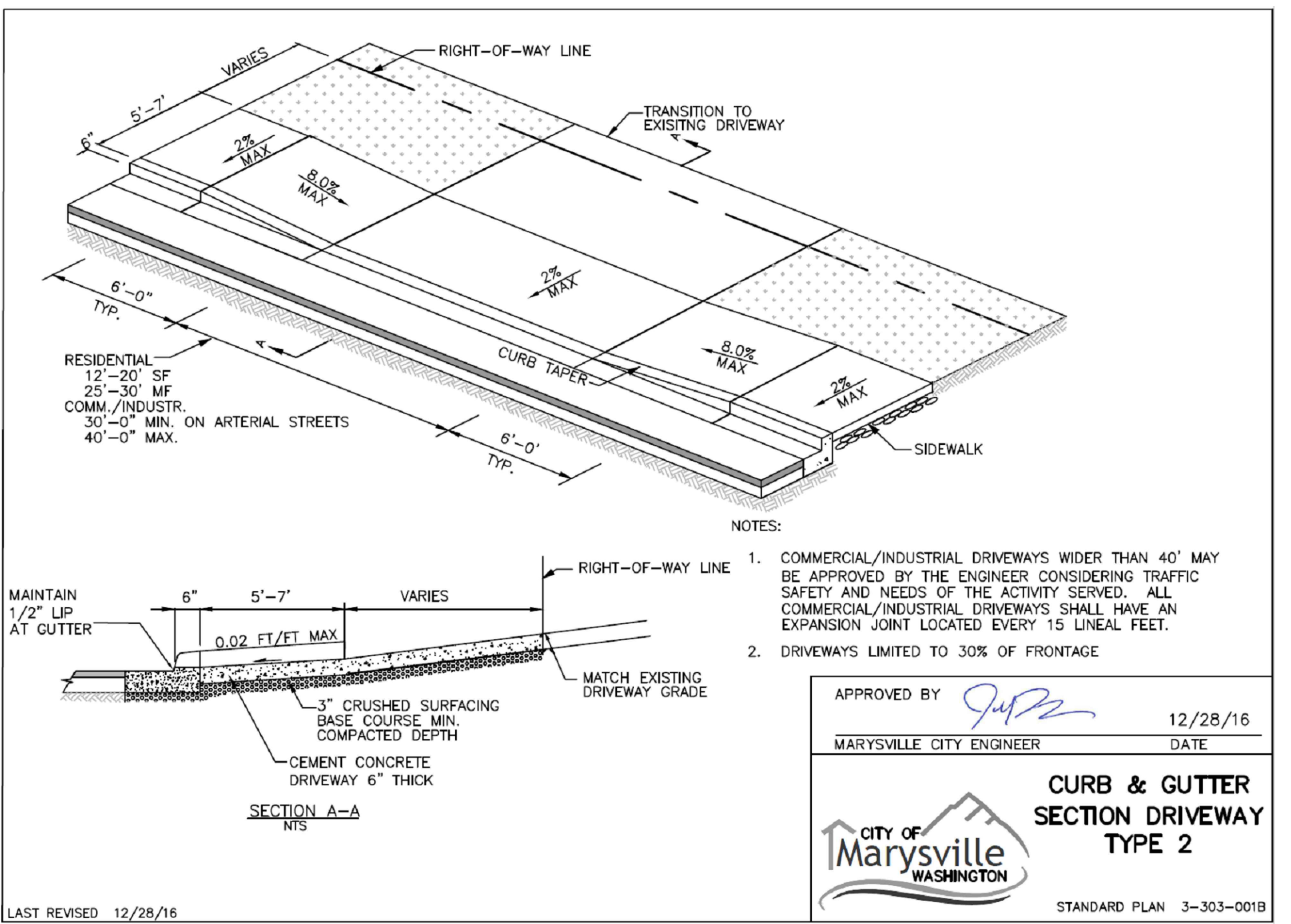
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 MARYSVILLE CITY ENGINEER DATE  
**CITY OF MARYSVILLE WASHINGTON**  
**CURB DETAILS**  
 STANDARD PLAN 3-514-001  
 LAST REVISED 12/28/16

1 CURB DETAILS  
 (C4.0) NOT TO SCALE



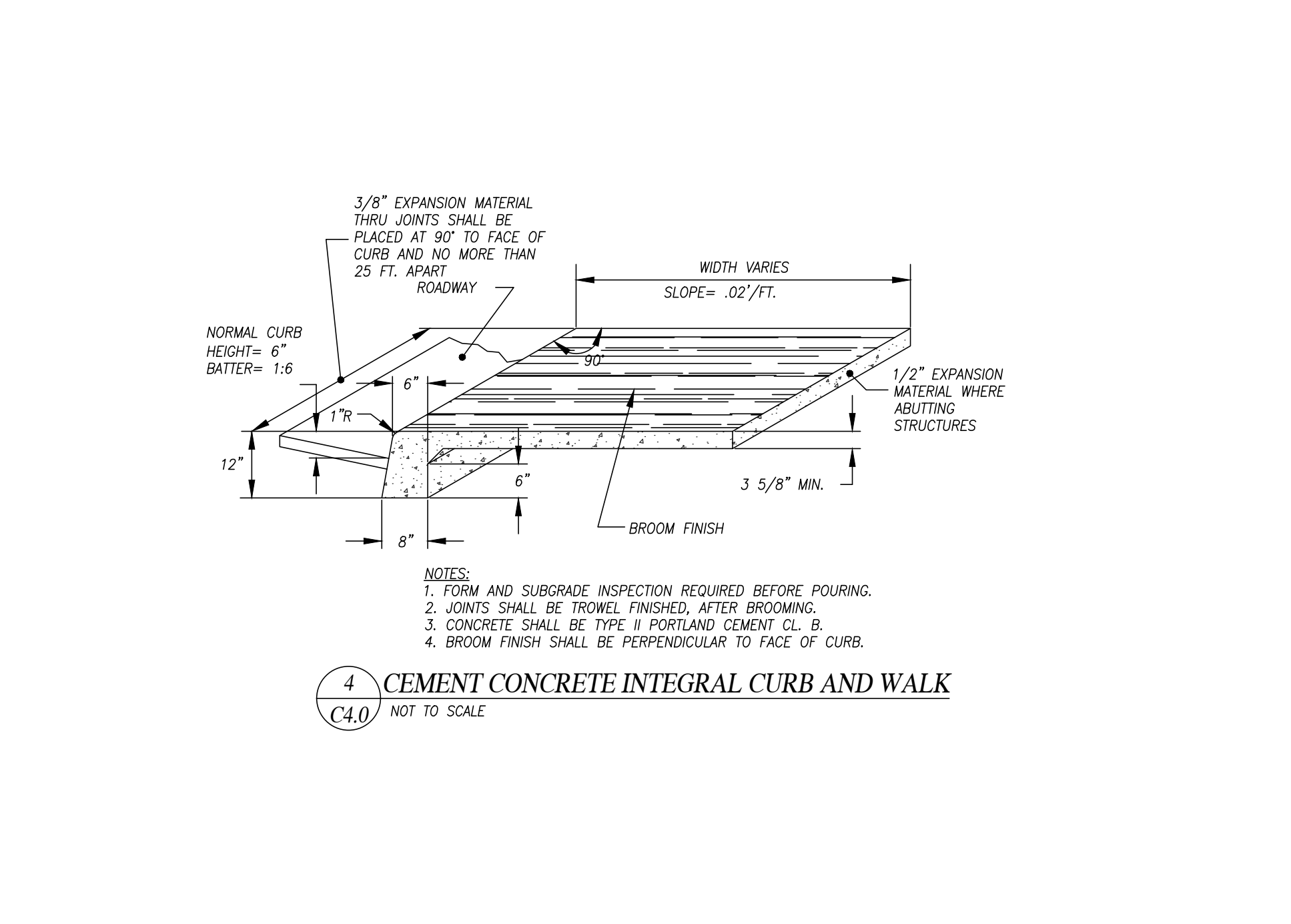
APPROVED BY *[Signature]* 12/28/16  
 MARYSVILLE CITY ENGINEER DATE  
**CITY OF MARYSVILLE WASHINGTON**  
**CEMENT CONCRETE SIDEWALK TRANSITION TO ASPHALT SHOULDER**  
 STANDARD PLAN 3-513-001  
 LAST REVISED 12/28/16

3 CEMENT CONCRETE SIDEWALK TRANSITION TO ASPHALT SHOULDER  
 (C4.0) NOT TO SCALE



APPROVED BY *[Signature]* 12/28/16  
 MARYSVILLE CITY ENGINEER DATE  
**CITY OF MARYSVILLE WASHINGTON**  
**CURB & GUTTER SECTION DRIVEWAY TYPE 2**  
 STANDARD PLAN 3-303-001B  
 LAST REVISED 12/28/16

2 CURB & GUTTER SECTION DRIVEWAY TYPE 2  
 (C4.0) NOT TO SCALE



APPROVED BY *[Signature]* 12/28/16  
 MARYSVILLE CITY ENGINEER DATE  
**CITY OF MARYSVILLE WASHINGTON**  
**CEMENT CONCRETE INTEGRAL CURB AND WALK**  
 STANDARD PLAN 3-513-001  
 LAST REVISED 12/28/16

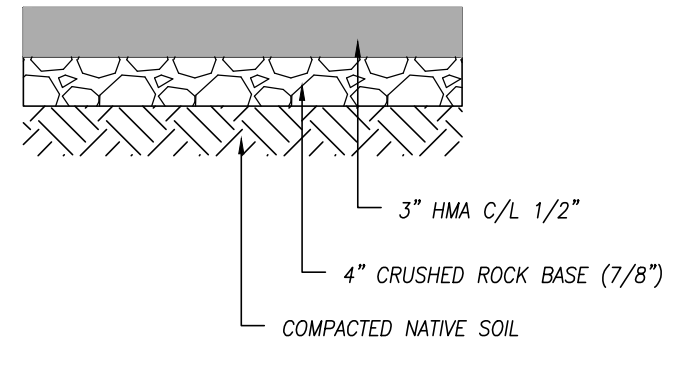
4 CEMENT CONCRETE INTEGRAL CURB AND WALK  
 (C4.0) NOT TO SCALE



Know what's below.  
 Call before you dig.

**UTILITY CONFLICT NOTE:**

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5 PAVEMENT SECTION  
 (C4.0) NOT TO SCALE

**CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**

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THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_\_\_.

BY: KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER

REV. NO.	DESCRIPTION	INITIALS	DATE



**IECO**  
**INSIGHT ENGINEERING CO.**  
 P.O. BOX - 1478  
 EVERETT, WA 98206  
 (425) 303-9363 (425) 303-9362 FAX  
 INFO@INSIGHTENGINEERING.NET

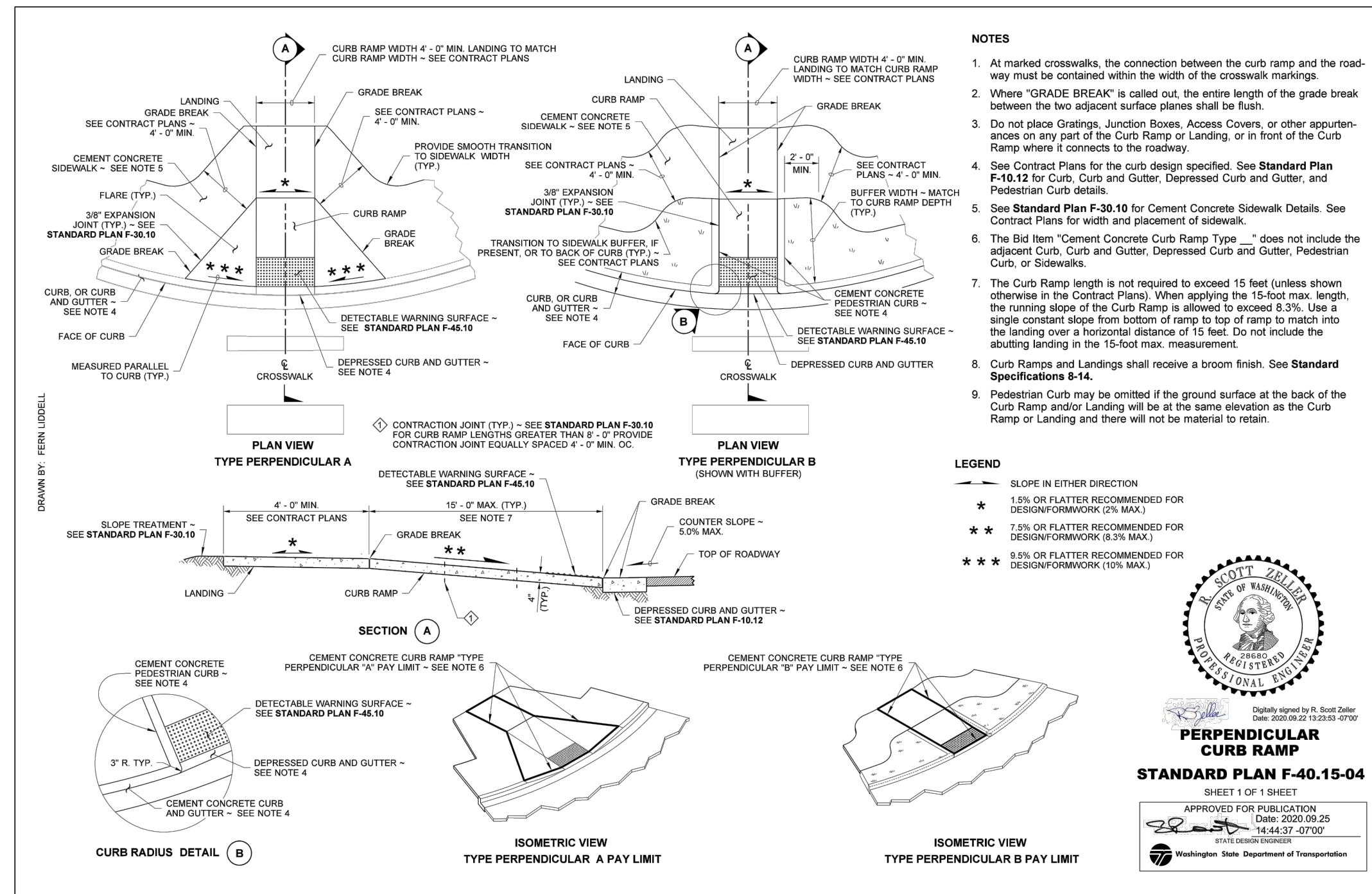
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 TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
**KENDALL AUTO GROUP**

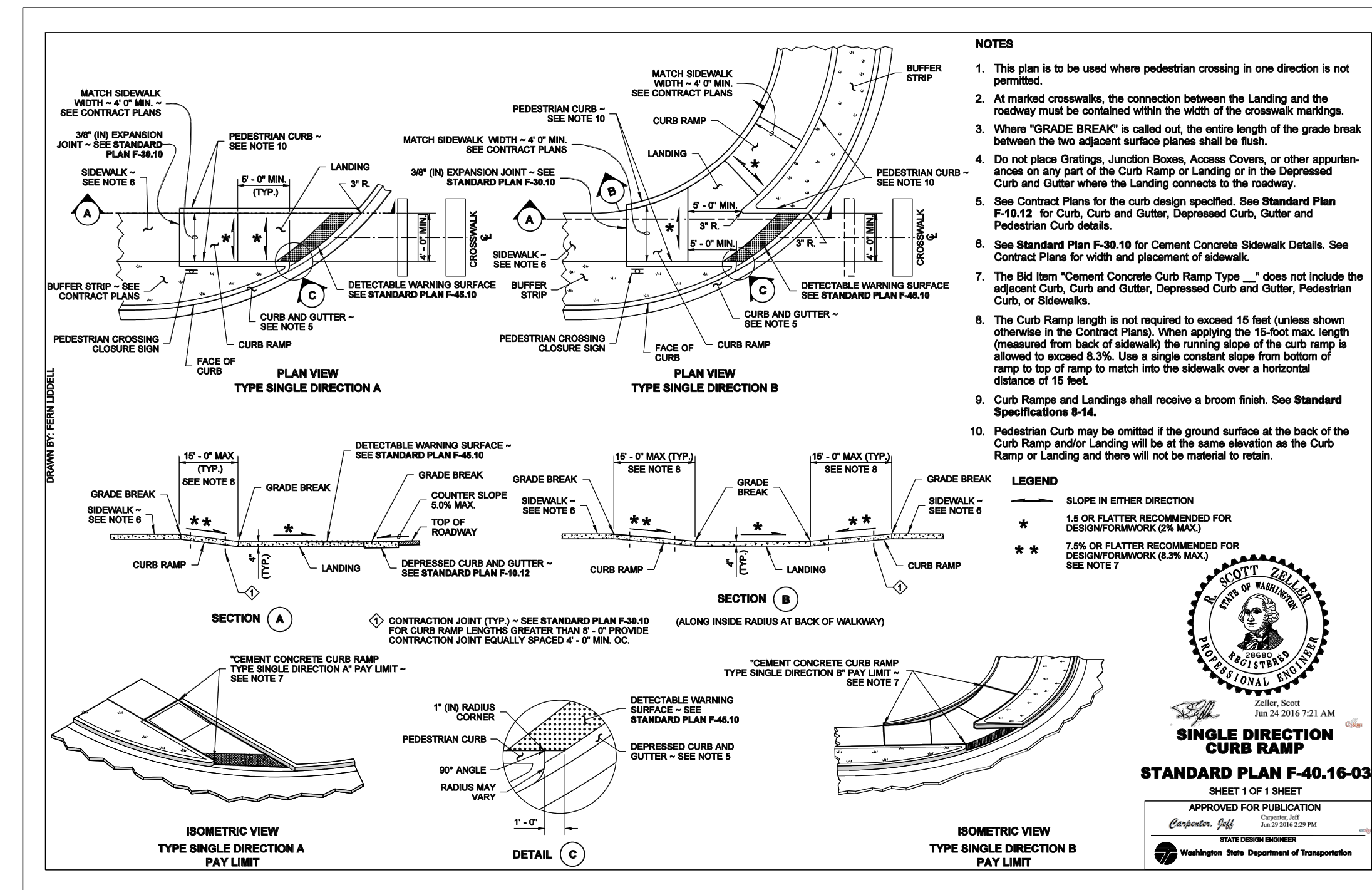
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GENERAL NOTES & DETAILS **C4.0**





1 PERPENDICULAR CURB RAMP DETAIL  
C4.1 NOT TO SCALE WSDOT STD PL F-40.15-04



2 SINGLE DIRECTION CURB RAMP  
C4.1 NOT TO SCALE WSDOT STD PL F-40.16-03



**UTILITY CONFLICT NOTE:**  
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THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_\_\_.  
BY: KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER

REV. NO.	DESCRIPTION	INITIALS	DATE

APPROVED FOR PUBLICATION  
Insight Eng  
PROFESSIONAL ENGINEER  
35499  
08/08/2022

**IECO**  
**INSIGHT ENGINEERING CO.**  
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INFO@INSIGHTENGINEERING.NET

SITE ADDRESS: XXXXX SMOKEY POINT BLVD  
MARYSVILLE, WA 98223  
TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

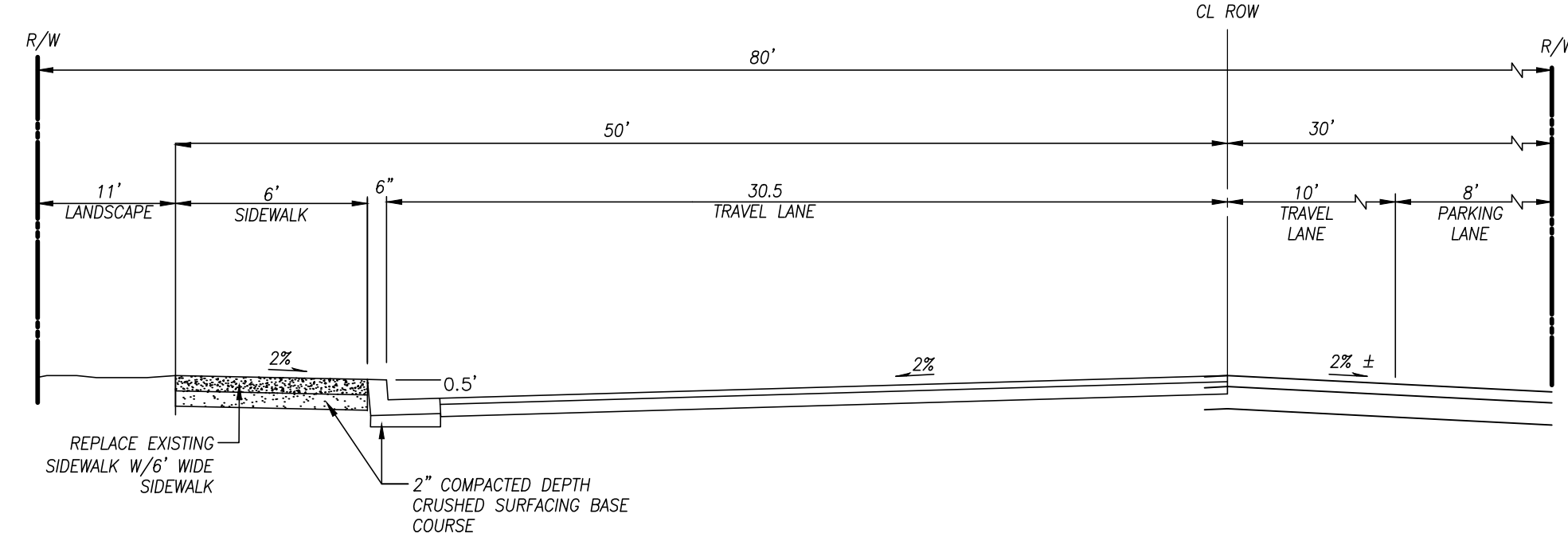
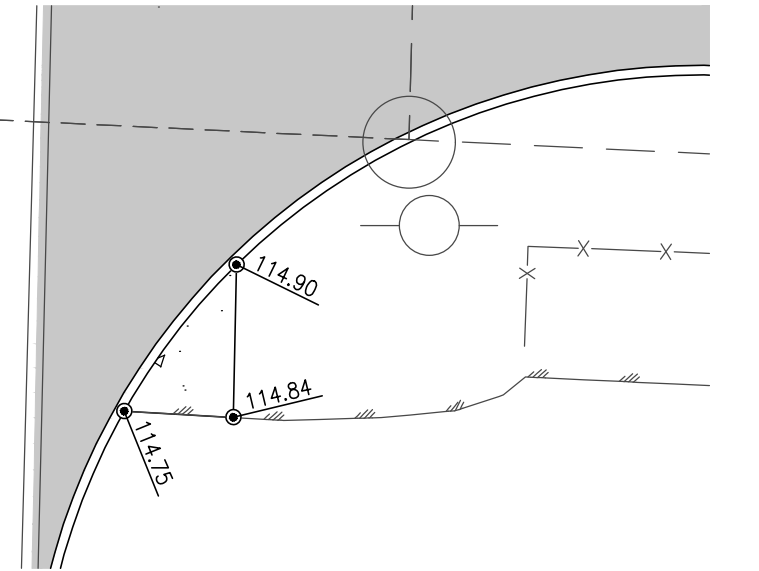
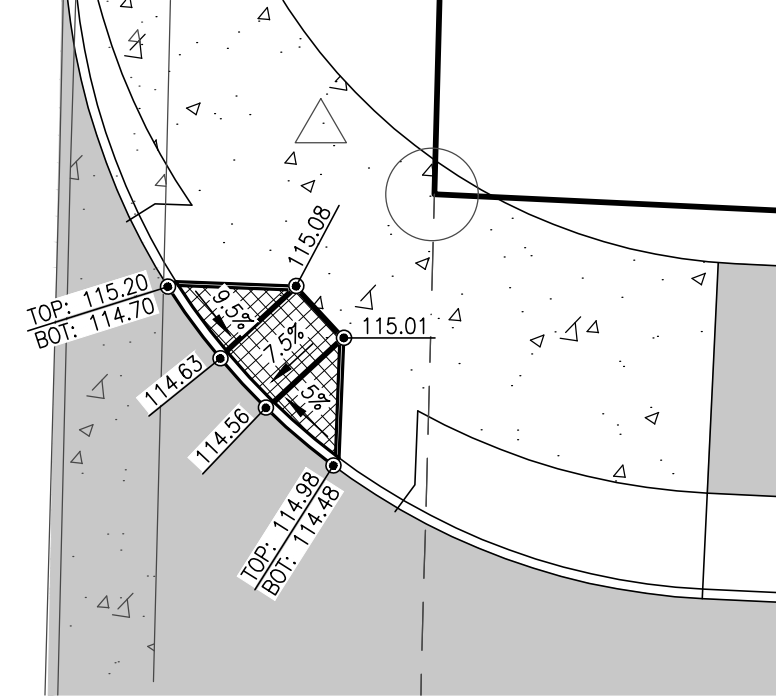
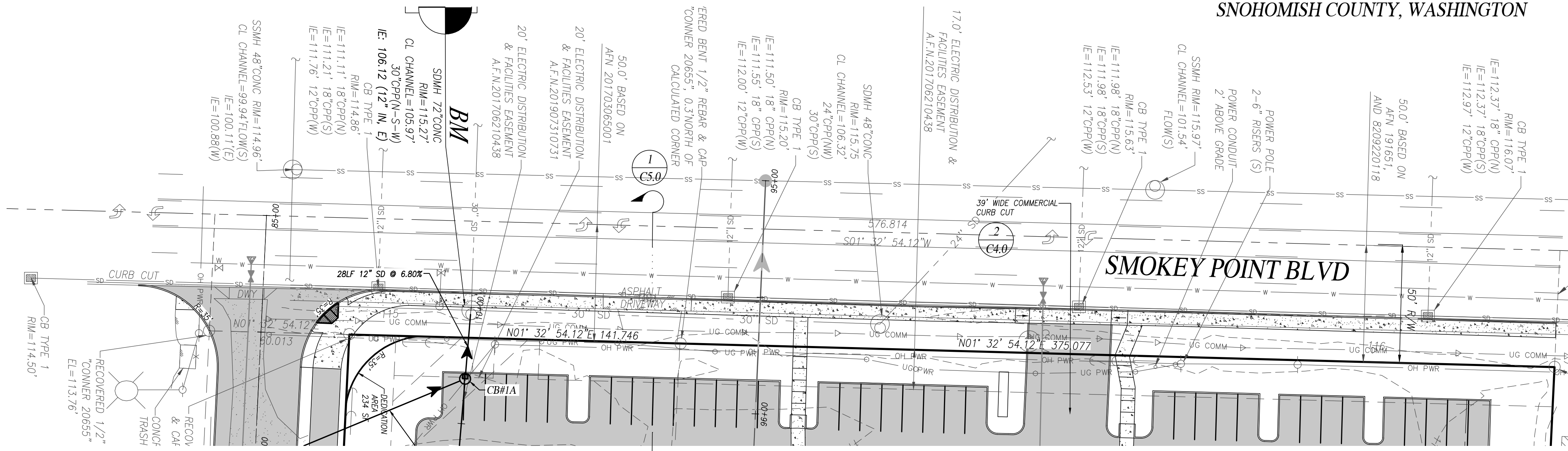
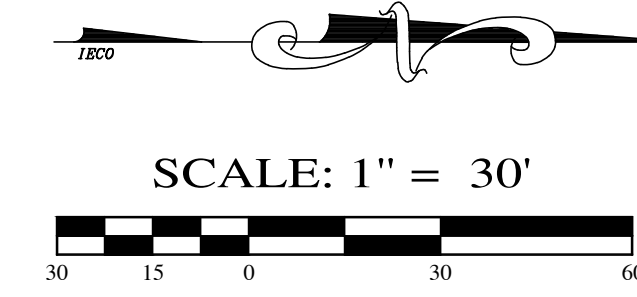
SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
**KENDALL AUTO GROUP**

DWG FILENAME	DESIGNED BY:	DATE:	SCALE:	JOB NO.:
201092-FINAL.DWG	SPC	06-05-2022	N.T.S.	20-1092

GENERAL NOTES & DETAILS C4.0



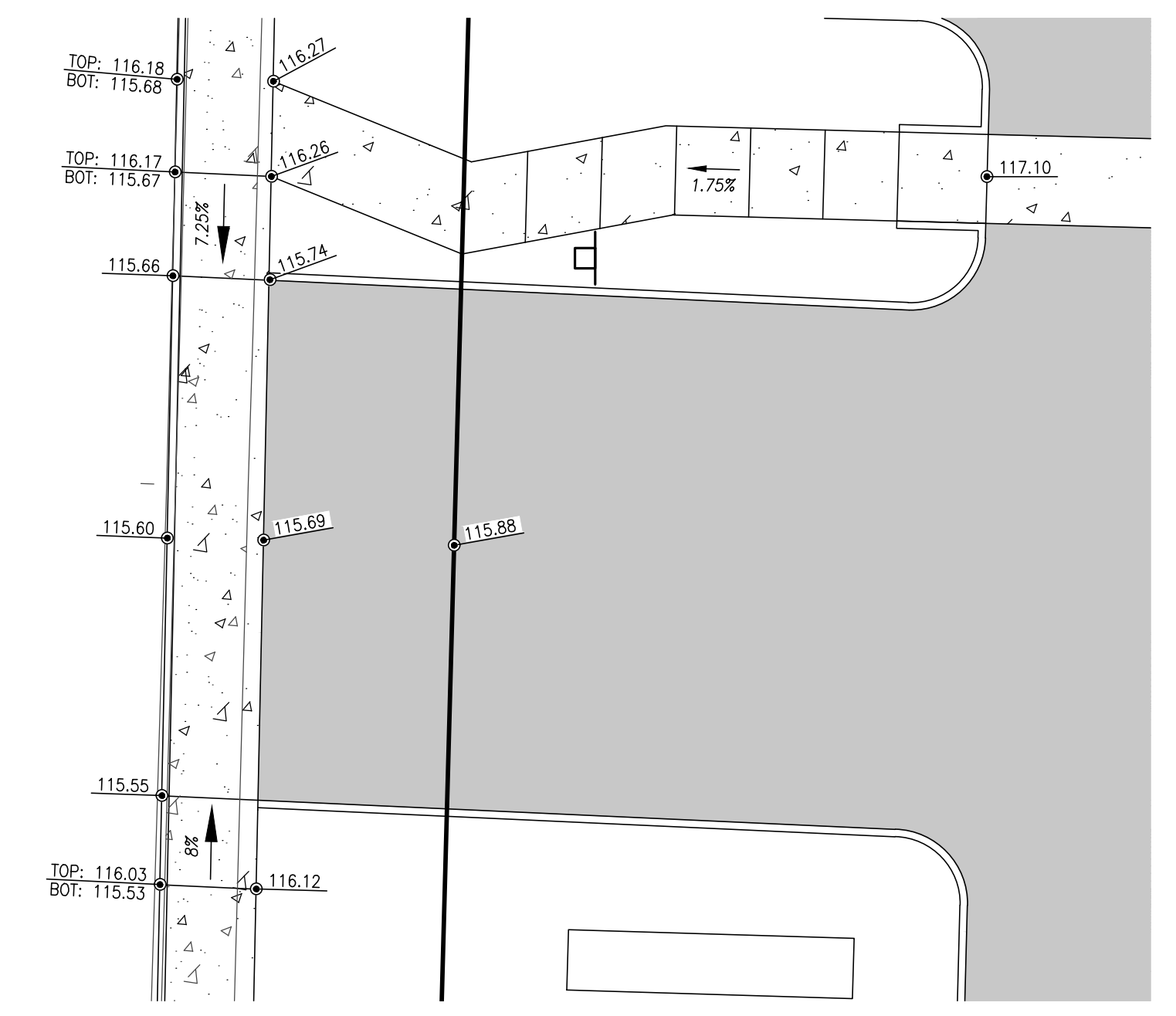
SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



NOTES:

1. CURB & GUTTER SHALL BE CEMENT CONCRETE BARRIER CURB & GUTTER PER SECTION 3-514.
2. CURB AND SIDEWALK JOINTS AS PER SECTION 3-515.
3. REFER TO SECTION 3-303 FOR DRIVEWAY DETAILS.
4. CURB RAMP DETAILS AS PER SECTION 3-516.
5. THIS DRAWING ILLUSTRATES A MINIMUM ASPHALT CONCRETE ROAD SECTION. ACTUAL SURFACING DESIGN FOR ARTERIALS AND COMMERCIAL ACCESS STREETS SHALL BE BASED ON SOILS AND TRAFFIC ANALYSIS.
6. THIS DRAWING ILLUSTRATES A MINIMUM ASPHALT CONCRETE ROAD SECTION. DESIGN FOR RESIDENTIAL ACCESS STREETS SHALL BE IN ACCORDANCE WITH SECS. 3-401 AND 3-402. ADDITIONAL SUBGRADE TREATMENT MAY BE REQUIRED DEPENDING ON SOIL CONDITIONS.
7. THE RIGHT-OF-WAY WIDTH SHALL BE WIDENED AN ADDITIONAL 5 FT MIN. FOR PLACEMENT OF FIRE HYDRANT AND MAILBOX CLUSTER INSTALLATION.

**1** 80' RIGHT-OF-WAY ROAD SECTION  
**C5.0** SMOKEY POINT BLVD.  
NO SCALE ROAD CLASSIFICATION: ARTERIAL  
DESIGN SPEED: 30 M.P.H.



**RAMP DETAILS**  
SCALE: 1"=10'

NOTES:

1. ALL CB'S ARE TYPE-1 W/GRATED LID UNLESS OTHERWISE SPECIFIED.
2. THERE SHALL BE 18" VERTICAL SEPARATION BETWEEN WATER, STORM AND SEWER UTILITIES. STORM AND SEWER/ OR WATER SHALL HAVE 5' HORIZONTAL WATER & SEWER SHALL HAVE 10' HORIZONTAL SEPARATION.



**UTILITY CONFLICT NOTE:** Know what's below. Call before you dig.  
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THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_\_\_.  
BY: KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER  
THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 22A.040.020 AND 22A.040.030.

REV. NO.	DESCRIPTION	INITIALS	DATE



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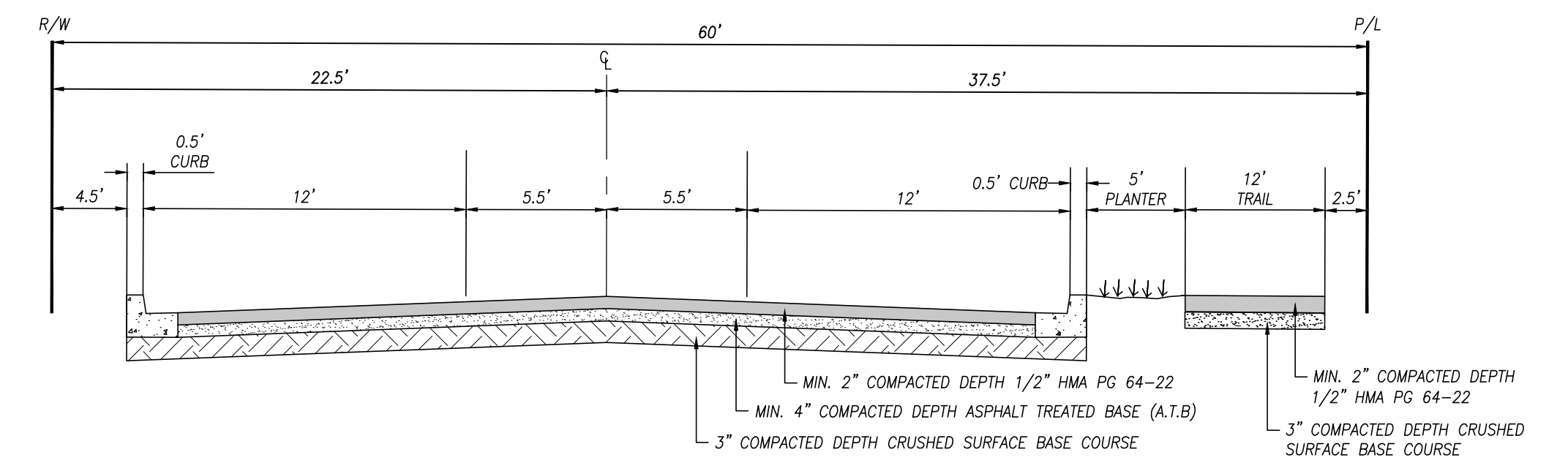
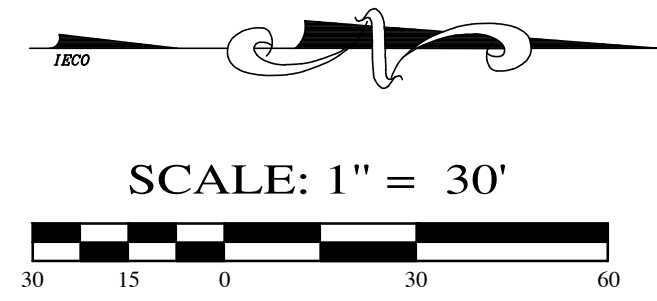
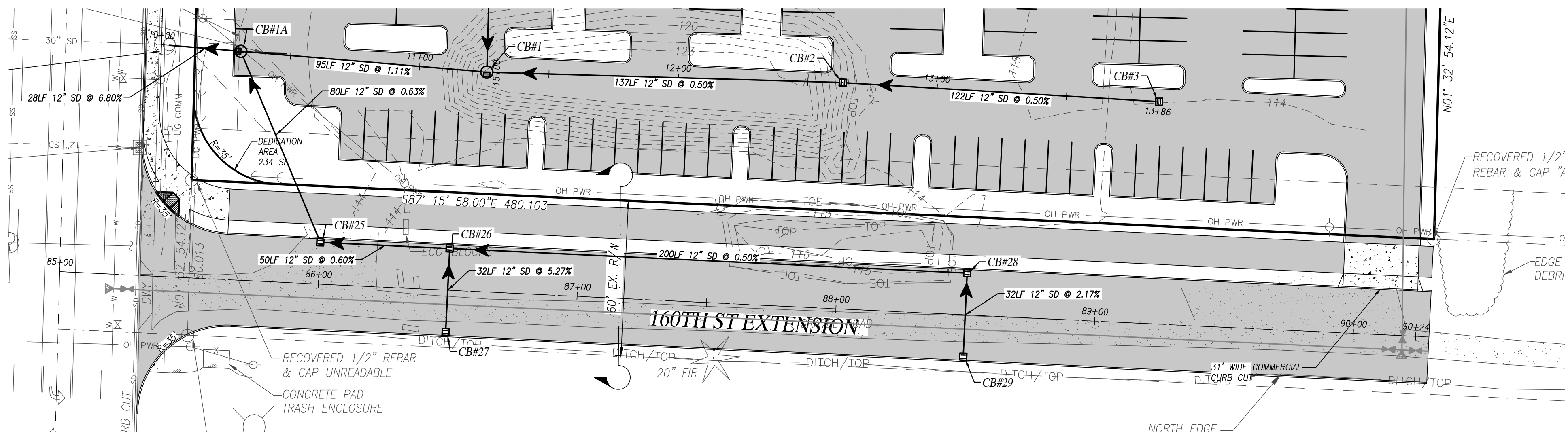
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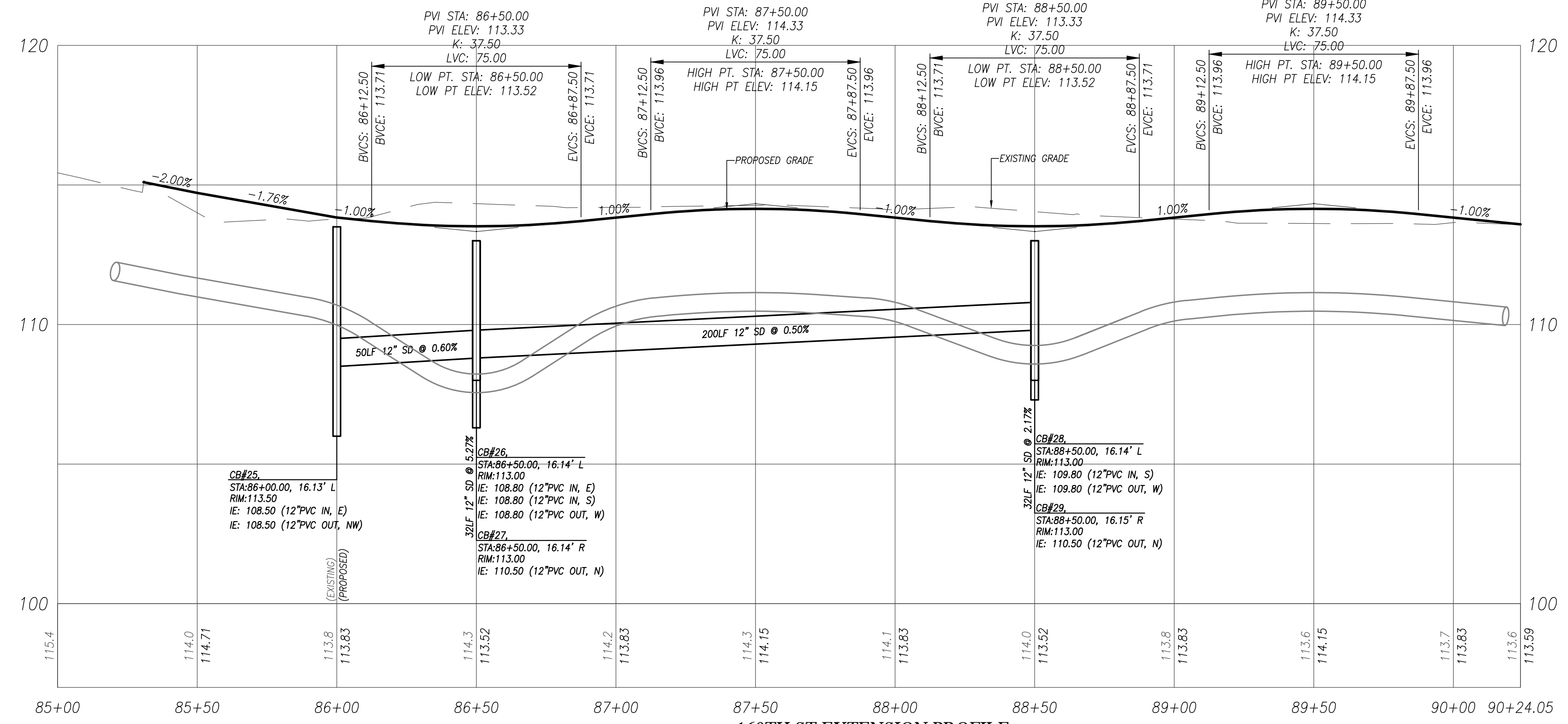
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201092-FINAL.DWG	SPC	06-05-2022	1"=30'	20-1092

FRONTAGE IMPROVEMENT PLAN **C5.0**

SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



**160TH ST EXTENSION**  
NOT TO SCALE DESIGN SPEED = 25 MPH  
NEIGHBORHOOD COLLECTOR 60'  
RIGHT-OF-WAY PER STD. PLAN 3-202-001



**160TH ST EXTENSION PROFILE**  
SCALE: 1"=30' HORIZ., 1"=3' VERT.



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**CITY OF MARYSVILLE**  
**CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**  
THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRED OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSPFW HYDRAULIC PROJECT APPROVAL (HPA), WSDOE NOTICE OF INTENT (NOI), ANY CORPS OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_\_\_.  
BY: \_\_\_\_\_  
KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER  
THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 22A.040.020 AND 22A.040.030.

REV. NO.	DESCRIPTION	INITIALS	DATE



**IECO**  
**INSIGHT ENGINEERING CO.**  
P.O. BOX - 1478  
EVERETT, WA 98206  
(425) 303-9363 (425) 303-9362 FAX  
INFO@INSIGHTENGINEERING.NET

SITE ADDRESS: XXXXX SMOKEY POINT BLVD  
MARYSVILLE, WA 98223  
TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

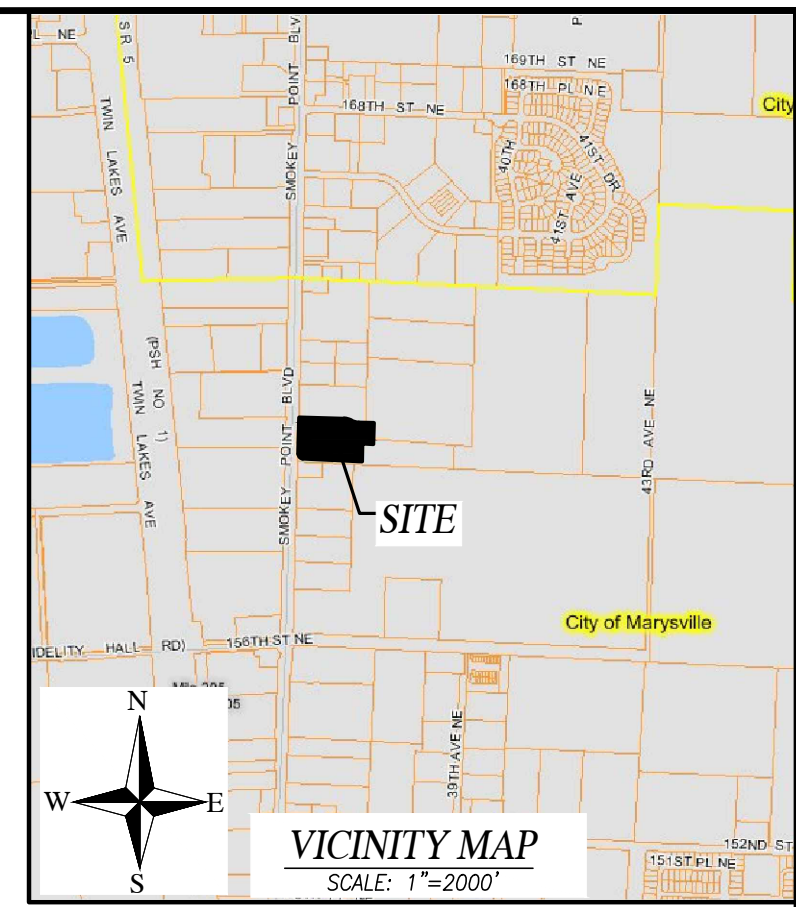
SW 1/4, SEC. 28, T. 31 N., R. 05 E., W.M.  
**KENDALL AUTO GROUP**

DWG FILENAME: 201092-FINAL.DWG  
DESIGNED BY: SPC  
DATE: 06-05-2022  
SCALE: 1"=30'  
JOB NO.: 20-1092  
SHEET: C5.1

FRONTAGE IMPROVEMENT PLAN



SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



SCALE: 1" = 60'

LEGEND

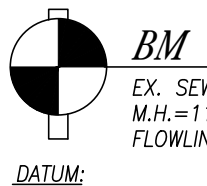
- EXISTING MONUMENT (AS SHOWN)
- SECTION 1/4 CORNER NOT FOUND
- SECTION CORNER NOT FOUND
- FOUND REBAR/CAP OR I.P. (IRON PIPE)
- (C) CALCULATED
- (P) PLAT
- (M) MEASURED
- TBR TO BE REMOVED
- R.O.W. RIGHT-OF-WAY
- P.O.B. POINT OF BEGINNING
- CL CENTERLINE
- CLF CHAIN LINK FENCE
- WDF WOOD FENCE
- W.S. WATER SURFACE
- EOP EDGE OF PAVEMENT
- BOW BACK OF WALK
- CB STORM DRAIN CATCH BASIN (CB)
- SDM STORM DRAIN MANHOLE (SDM)
- SS SANITARY SEWER MANHOLE (SSMH)
- CO SANITARY SEWER CLEAN OUT (CO)
- GP POWER POLE
- GP GUY POLE
- WM WATER METER
- WV WATER VALVE
- MB MAILBOX
- UPA UTILITY POLE ANCHOR
- FHY FIRE HYDRANT (2 NOZZLE)
- TS TYPE 1 NGPA SIGN
- SS PROPOSED SANITARY SEWER
- SS PROPOSED STORM DRAINAGE
- — — PROPERTY LINE
- X — EXISTING FENCE LINE
- — — EDGE OF PAVEMENT
- — — EXISTING CONTOURS
- — — PROPOSED CONTOURS
- — — PRE-EXISTING DRAINAGE PATTERN
- — — PROPOSED FIRE HYDRANT
- — — EXISTING UNDERGROUND PATTERN
- — — EXISTING SANITARY SEWER
- — — EXISTING OVERHEAD POWER
- — — EXISTING STORM DRAIN
- — — EXISTING WATER LINE
- FDC FIRE DEPARTMENT CONNECTIONS
- DI DUCTILE IRON PIPE
- PV POST INDICATOR VALVE

NOTES:

1. FIRE HYDRANTS SHALL COMPLY WITH CITY WATER DESIGN STANDARD 2-000 INCLUDING 5" STORZ FITTINGS WITH BLUE REFLECTIVE HYDRANT MARKERS TO BE PLACED IN THE ROADWAY.

EQUIPMENT AND PROCEDURE

BASED ON BEARINGS: WASHINGTON STATE PLANE  
COORDINATES, NORTH ZONE  
LINE BETWEEN S.W. SEC. COR. & W1/4 COR.  
(N11°32'52"E) PER B.L.A. APN 201505265002  
THIS SURVEY DOES NOT PURPORT TO SHOW ALL EASEMENTS OF RECORD OR OTHERWISE.  
SURVEY INSTRUMENT USED: SOKKIA SET 5  
SURVEY INSTRUMENT USED: TOPCON DS  
SURVEY PROCEDURE: CLOSED TRAVERSE  
SURVEY PRECISION: THIS SURVEY EXCEEDS FIELD TRAVERSE REQUIREMENTS OF WAC 332-130-090



**ENGINEER**  
INSIGHT ENGINEERING COMPANY  
P.O. BOX 1478  
EVERETT, WA 98206  
CONTACT: BRIAN R. KALAB, P.E.  
PH: (425) 303-9363  
FAX: (425) 303-9362  
EMAIL: INFO@INSIGHTENGINEERING.NET

**OWNER**  
VP/MS, LLC  
3449 E COPPER POINT DRIVE  
MERIDIAN, ID 83642

**SURVEYOR**  
CASCADE SURVEYING & ENGINEERING, INC.  
P.O. BOX 326  
ARLINGTON, WA 98223  
CONTACT: PHILLIP T. ABENROTH, PLS  
PH: (360) 435-5551  
EMAIL: INFO@INSIGHTENGINEERING.NET

**APPLICANT**  
KENDALL AUTO GROUP  
8854 EMERALD ST, STE 260  
BOISE, ID 83704

**LEGAL DESCRIPTION**  
SEC 28 TWP 31 RGE 05PTN N1/2 SW1/4 BEING  
LOT 1 OF SURV REC UNDER AFD FILE NO  
7804170304 VOL 7 OF SURVEYS PG 87 LESS 20FT  
FOR R/W TO SNO CO PER SWD REC AF  
9412220330

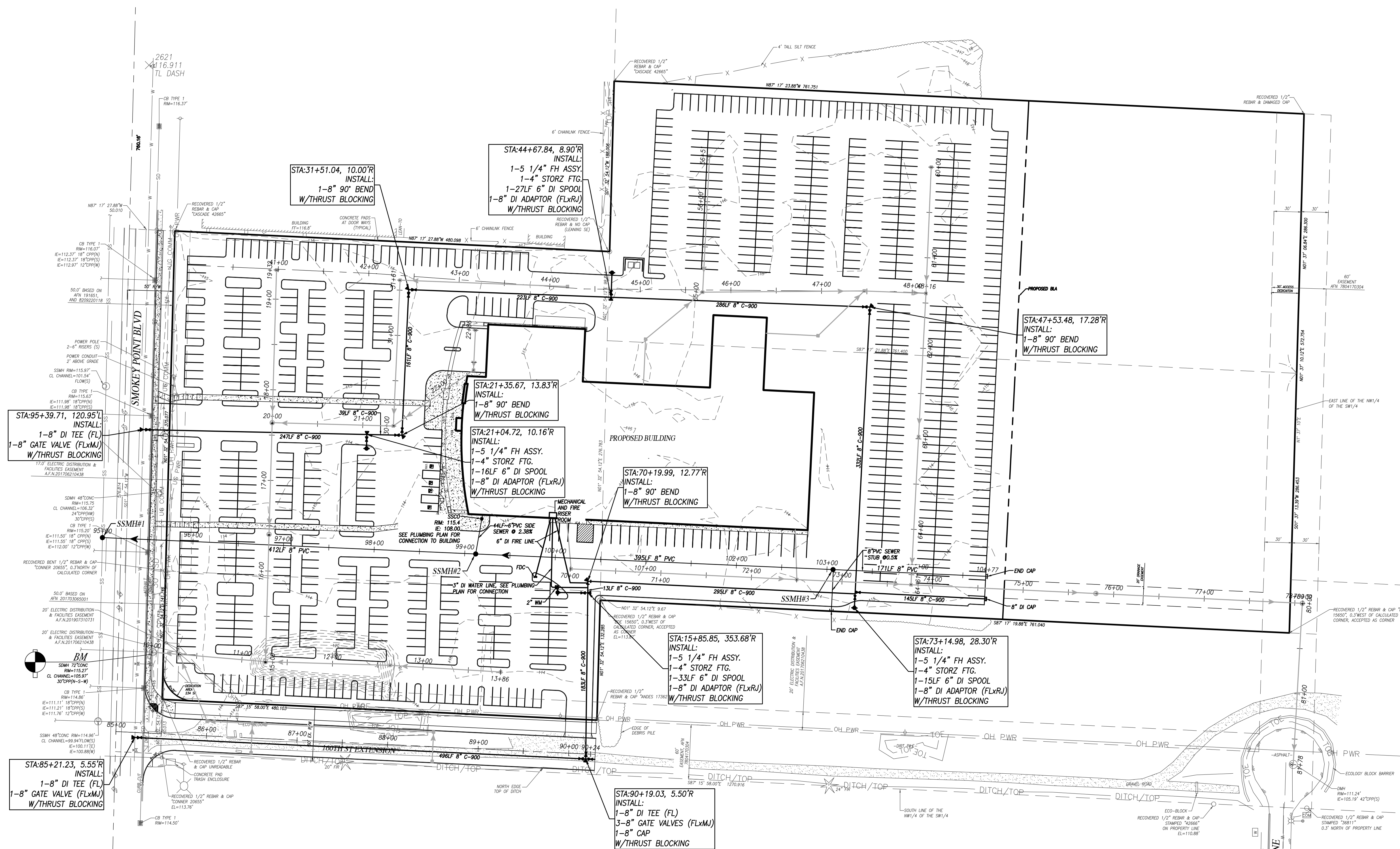
SITE ADDRESS: XXXXX SMOKEY POINT BLVD  
MARYSVILLE, WA 98223

TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
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SHEET

SEWER AND WATER PLAN C6.0



NOTE:  
WATER PIPE MATERIAL SHALL BE C-900 OR DI.

CITY OF MARYSVILLE  
CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT

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THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022.

BY: KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 22A.040.020 AND 22A.040.030.

REV. NO.	DESCRIPTION	INITIALS	DATE



08/08/2022



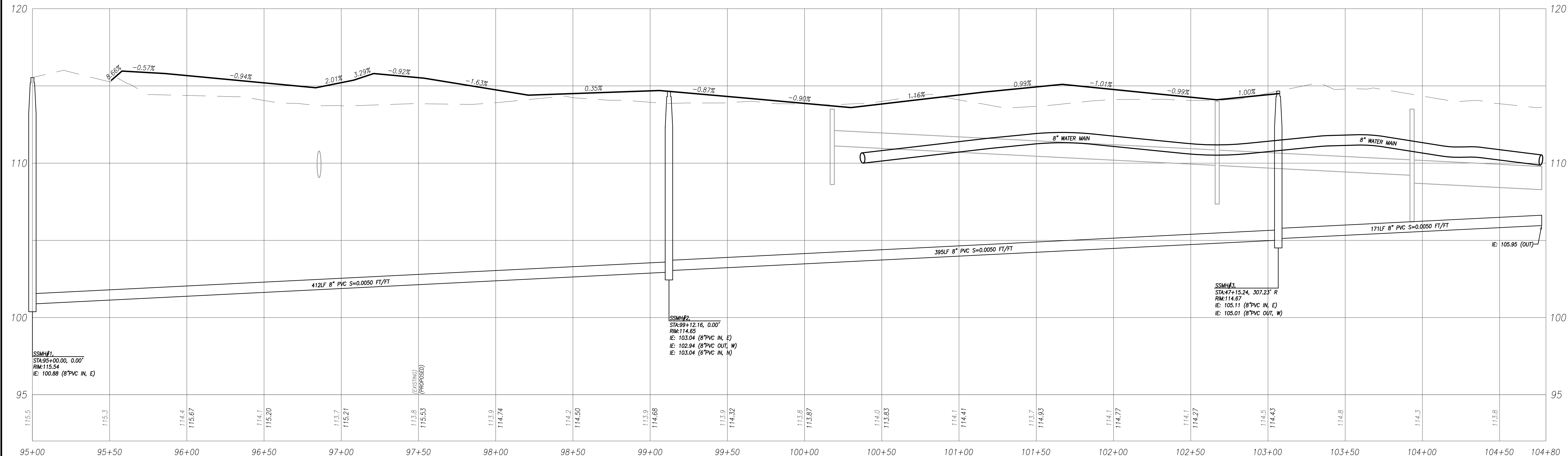
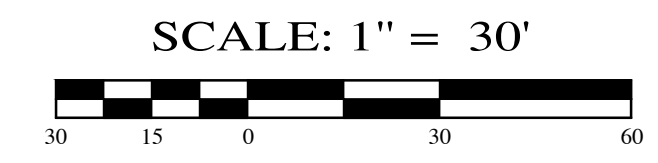
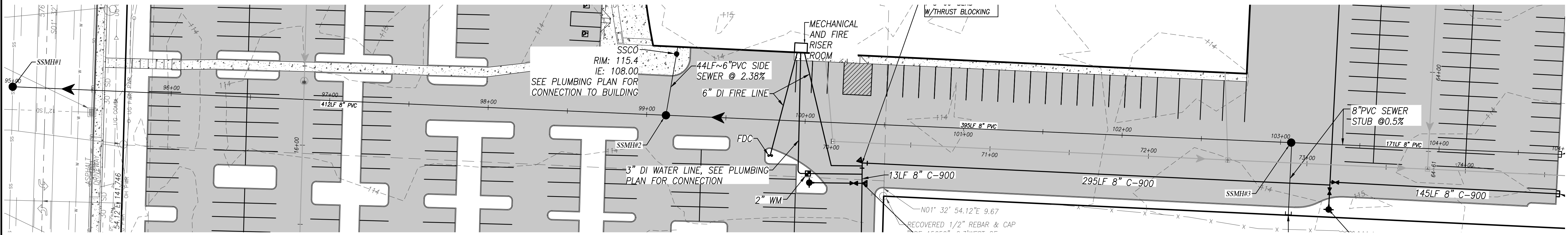
UTILITY CONFLICT NOTE:

CAUTION:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BY POT-HOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 POT-HOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT WITH INSIGHT ENGINEERING COMPANY TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.



SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
SNOHOMISH COUNTY, WASHINGTON



UTILITIES PROFILE  
SCALE: 1"=30' HORIZ., 1"=3' VERT.



Know what's below.  
Call before you dig.

UTILITY CONFLICT NOTE:

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NOTE:  
1. THERE SHALL BE 18" VERTICAL SEPARATION BETWEEN WATER, STORM AND SEWER UTILITIES. STORM AND SEWER OR WATER SHALL HAVE 5" HORIZONTAL. WATER & SEWER SHALL HAVE 10" HORIZONTAL SEPARATION.

CITY OF MARYSVILLE  
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BY: KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER  
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MARYSVILLE, WA 98223  
TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
KENDALL AUTO GROUP

DWG FILENAME: 201092-FINAL.DWG DESIGNED BY: SPC DATE: 06-05-2022 SCALE: 1"=30' JOB NO.: 20-1092 SHEET

SEWER AND WATER PLAN AND PROFILE C6.1

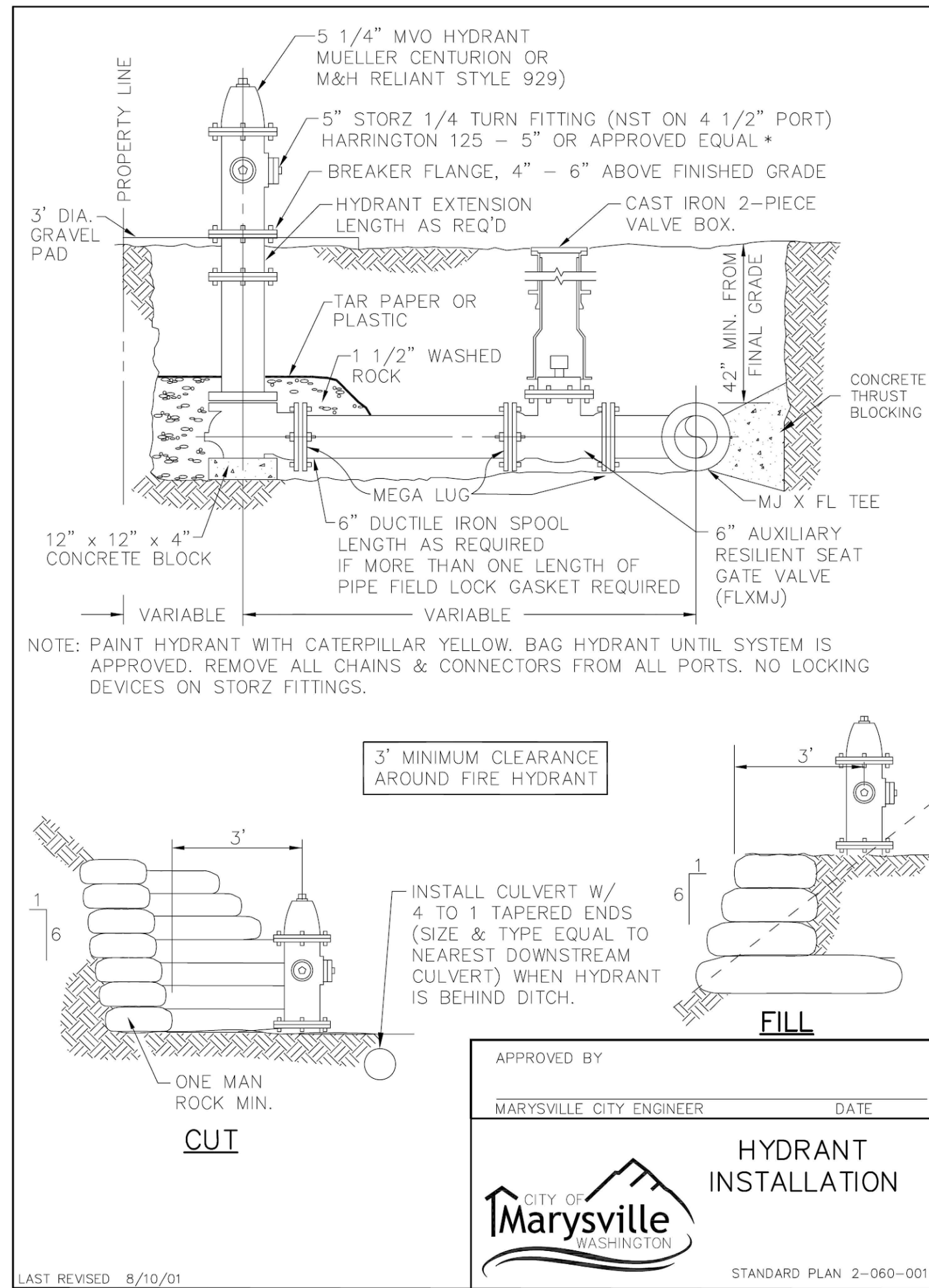


**SANITARY SEWER NOTES:**

- SANITARY SEWER PIPE AND SIDE SEWERS SHALL BE 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- NO SIDE SEWERS SHALL BE CONNECTED TO ANY HOUSE OR BUILDING UNTIL ALL MANHOLES ARE ADJUSTED TO THE FINISHED GRADE OF THE COMPLETED ASPHALT ROADWAY AND THE ASPHALT PATCH AND SEAL AROUND THE RING ARE ACCEPTED.
- AFTER ALL OTHER UTILITIES ARE INSTALLED AND PRIOR TO ASPHALT WORK, ALL SANITARY PIPES SHALL PASS A LOW PRESSURE AIR TEST IN ACCORDANCE WITH SECTION 7-17 OF THE "STANDARD SPECIFICATIONS". PRODUCTS USED TO SEAL THE INSIDE OF THE PIPE ARE NOT TO BE USED TO OBTAIN THE AIR TEST.
- FOR COMMERCIAL DEVELOPMENTS IN WHICH SOURCES OF GREASE AND/OR OILS MAY BE INTRODUCED TO THE CITY SANITARY SEWER SYSTEM, A CITY APPROVED GREASE INTERCEPTOR SHALL BE INSTALLED DOWNSTREAM FROM THE SOURCE.
- THE CITY OF MARYSVILLE COMMUNITY DEVELOPMENT DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF A TAP OR CONNECTION TO AN EXISTING SANITARY SEWER MAIN. THE INSPECTOR SHALL BE PRESENT AT THE TIME OF THE TAP OR CONNECTION.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.
- GRAVITY SEWER MAIN WITH 5' OF COVER SHALL BE D.I.P. CLASS 52; 5'-18" OF COVER SHALL BE PVC, ASTM D 3034 SDR 35, OR ASTM F 789 WITH JOINTS AND RUBBER GASKETS CONFORMING TO ASTM D 3212 AND ASTM F 477. 18" COVER SHALL BE D.I.P. CLASS 52, OR C-900.
- PRECAST MANHOLES SHALL MEET THE REQUIREMENTS OF ASTM C 478. MANHOLES SHALL BE TYPE 1-48 MANHOLE UNLESS OTHERWISE SPECIFIED ON THE PLANS. JOINTS SHALL BE RUBBER GASKETED CONFORMING TO ASTM C 443 AND SHALL BE GROUTED FROM THE INSIDE. LIFT HOLES SHALL BE GROUTED FROM THE OUTSIDE AND INSIDE OF THE MANHOLE.
- SIDE SEWER SERVICES SHALL BE PVC, ASTM D 3034 SDR 35 WITH FLEXIBLE GASKETED JOINTS. SIDE SEWER CONNECTIONS SHALL BE MADE BY A TAP TO AN EXISTING MAIN OR A TEE FROM A NEW MAIN CONNECTED ABOVE THE SPRINGLINE OF THE PIPE.
- ALL SEWER MAINS SHALL BE FIELD STAKED FOR GRADES AND ALIGNMENT PRIOR TO CONSTRUCTION BY A LICENSED ENGINEER OR SURVEYING FIRM QUALIFIED TO PERFORM SUCH WORK. PRIOR TO CONSTRUCTING ANY SEWER, THE LOT CORNERS SHALL BE STAKED AND SEWER LINE LOCATION ESTABLISHED BY SURVEY, COST OF WHICH SHALL BE BORNE BY THE DEVELOPER.
- ALL PLASTIC PIPE AND SERVICES SHALL BE INSTALLED WITH CONTINUOUS TRACER TAPE INSTALLED 12" TO 18" UNDER THE PROPOSED FINISHED SUBGRADE. THE MARKER SHALL BE PLASTIC NON-Biodegradable METAL CORE OR BACKING MARKED SEWER WHICH CAN BE DETECTED BY A STANDARD METAL DETECTOR.
- EACH SIDE SEWER LATERAL SHALL HAVE A 2" X 4" WOOD "MARKER" AT THE TERMINATION OF THE STUB. THE "MARKER" SHALL EXTEND FROM THE TRENCH TO ABOVE FINISHED GRADE, ABOVE THE GROUND SURFACE. IT SHALL BE PAINTED GREEN WITH SEWER AND THE DEPTH, IN FEET, STENCILED IN WHITE LETTERS 2" HIGH.
- SIDE SEWERS SHALL BE INSTALLED BY THE DEVELOPER AND COORDINATED FOR CLEARANCE WITH POWER, TELEPHONE, AND OTHER UTILITIES.
- ALL SIDE SEWERS TO BE INSTALLED 10 FEET INTO LOT SERVED AND STAKED AND MARKED AS SHOWN ON THESE PLANS.
- PIPE BEDDING SHALL BE IN ACCORDANCE WITH WSDOT STANDARD PLAN 5-180 CLASS F. FEA OR WELD IS AN ACCEPTABLE BEDDING MATERIAL. ALL PIPE SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION ACCORDING TO STANDARD SPECIFICATION 7-02.3(1). THIS SHALL INCLUDE NECESSARY LEVELING OF THE TRENCH BOTTOM OR THE TOP OF THE FOUNDATION MATERIALS AS WELL AS PLACEMENT AND COMPACTION OF REQUIRED BEDDING MATERIAL TO UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF THE PIPE WILL BE SUPPORTED ON A UNIFORMLY DENSE UNWEAVING BASE.
- A 6-FOOT SQUARE X 4-INCH THICK CONCRETE PAD SHALL BE INSTALLED AROUND ALL SSMH'S AND A 3-FOOT SQUARE X 4-INCH THICK CONCRETE PAD SHALL BE INSTALLED AROUND ALL CLEANOUTS THAT ARE NOT IN A PAVEMENT AREA.
- ALL LINES SHALL BE CLEANED AND PRESSURE TESTED PRIOR TO PAVING IN CONFORMANCE WITH THE ABOVE REFERENCED SPECIFICATIONS. TESTING OF THE SANITARY SEWER MAIN SHALL INCLUDE TV-ING OF THE MAIN BY THE CONTRACTOR. IMMEDIATELY PRIOR TO TV-ING, ENOUGH WATER SHALL BE RUN DOWN THE LINE SO IT COMES OUT THE LOWER MANHOLE. A COPY OF THE VIDEO TAPE SHALL BE SUBMITTED TO THE CITY OF MARYSVILLE. ACCEPTANCE OF THE LINE WILL BE MADE AFTER THE TAPE HAS BEEN REVIEWED AND APPROVED BY PUBLIC WORKS. A WATER TEST OF ALL MANHOLES IN ACCORDANCE WITH MARYSVILLE STANDARD MAY ALSO BE REQUIRED. TESTING SHALL TAKE PLACE AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED AND COMPACTION OF THE ROADWAY SUBGRADE IS COMPLETED.
- PRIOR TO BACKFILL ALL MAINS AND APPURTENANCES SHALL BE INSPECTED AND APPROVED BY THE CITY OF MARYSVILLE DEPARTMENT OF PUBLIC WORKS. APPROVAL SHALL NOT RELIEVE THE CONTRACTOR OF CORRECTION OF ANY DEFICIENCIES AND/OR FAILURES AS DETERMINED BY SUBSEQUENT TESTING AND INSPECTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CITY OF MARYSVILLE FOR THE REQUIRED INSPECTIONS.

**WATER SYSTEM NOTES:**

- BIOLOGICAL TEST SAMPLES WILL BE TAKEN BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) AND PAID FOR BY THE CONTRACTOR.
- WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES IN IMPROVED RIGHT-OF-WAY AND A MINIMUM OF 48 INCHES IN UNIMPROVED RIGHT-OF-WAY AND EASEMENTS.
- PIPE FOR WATER MAINS SHALL BE DUCTILE IRON CONFORMING TO SECTION 7-09 OF THE STANDARD SPECIFICATIONS, CLASS 52 WITH TYTON OR APPROVED EQUAL JOINTS. PIPE SHALL BE GROUTED IN ACCORDANCE WITH A.S.A. SPECIFICATION A 21.4-1964.
- CONNECTIONS TO EXISTING WATER MAINS SHALL TYPICALLY BE WET TAPS THROUGH A TAPPING TEE AND TAPPING VALVE AND SHALL BE MADE BY A CITY-APPROVED CONTRACTOR. THE TAPPING SLEEVE SHALL BE EPOXY COATED OR DUCTILE IRON. STAINLESS SLEEVES SHALL ONLY BE USED ON 4" PIPE. THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) SHALL APPROVE THE TIME AND LOCATION FOR THESE CONNECTIONS.
- ALL WATER MAINS AND APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI IN ACCORDANCE WITH CITY STANDARDS.
- FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 2-060-001 AND AS DIRECTED BY THE CITY OF MARYSVILLE FIRE CODE OFFICIAL.
- VALVE MARKER POSTS SHALL BE INSTALLED WHERE VALVE BOXES ARE HIDDEN FROM VIEW OR IN UNPAVED AREAS.
- RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR 10-INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN 10 INCHES.
- PIPE FITTING FOR WATER MAINS SHALL BE DUCTILE IRON AND SHALL BE MECHANICAL JOINT CONFORMING TO AWWA SPECIFICATION C111-72.
- WATER MAIN PIPE AND SERVICE CONNECTIONS SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- WHERE A WATER MAIN CROSSES THE NORTHWEST GAS PIPELINE, THE WATER LINE SHALL BE CASED WITH PVC PIPE A MINIMUM OF 10 FEET BEYOND EACH SIDE OF THE GAS LINE EASEMENT. CONTACT WILLIAMS NORTHWEST PIPELINE BEFORE THE CROSSING IS MADE.
- TRENCHING, BEDDING, AND BACKFILL FOR WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 3-703-002 AND-003.
- ALL COMMERCIAL AND INDUSTRIAL DEVELOPMENTS, IRRIGATION SYSTEMS, AND MULTI-FAMILY WATER SERVICE CONNECTIONS SHALL BE PROTECTED BY A DOUBLE CHECK VALVE ASSEMBLY OR A REDUCED PRESSURE BACKFLOW ASSEMBLY AS DIRECTED BY THE CITY CONFORMING TO CITY STANDARD DETAILS 2-153-001.
- ANY LEAD JOINT FITTING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A MECHANICAL JOINT FITTING AT THE CONTRACTOR'S EXPENSE.



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 MARYSVILLE CITY ENGINEER

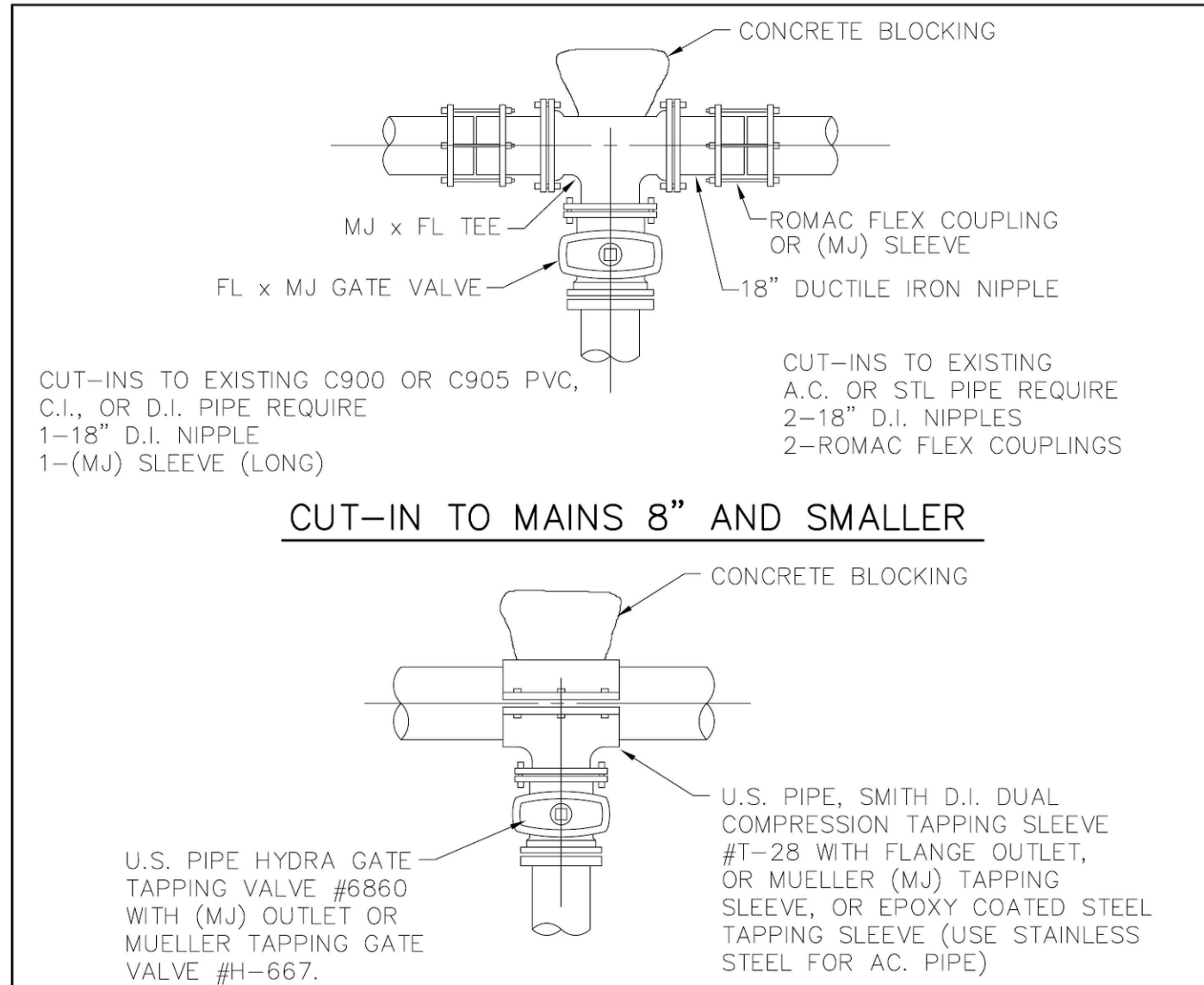
**HYDRANT INSTALLATION**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 2-060-001

**1** HYDRANT INSTALLATION  
 C6.2 NOT TO SCALE

**SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M. SNOHOMISH COUNTY, WASHINGTON**



**NOTE:**  
 ALL CONNECTIONS TO EXISTING MAINS WILL BE MADE WITH CITY OF MARYSVILLE PERSONNEL PRESENT.  
 ALL FITTINGS TO BE SWABBED W/CL2 SOLUTION (50 PPM)  
 STEEL PIPES SHALL BE RECOATED WHERE WRAPPING HAS BEEN DISTURBED.  
 SIZE ON SIZE REQUIRES CAST IRON MJ SLEEVE

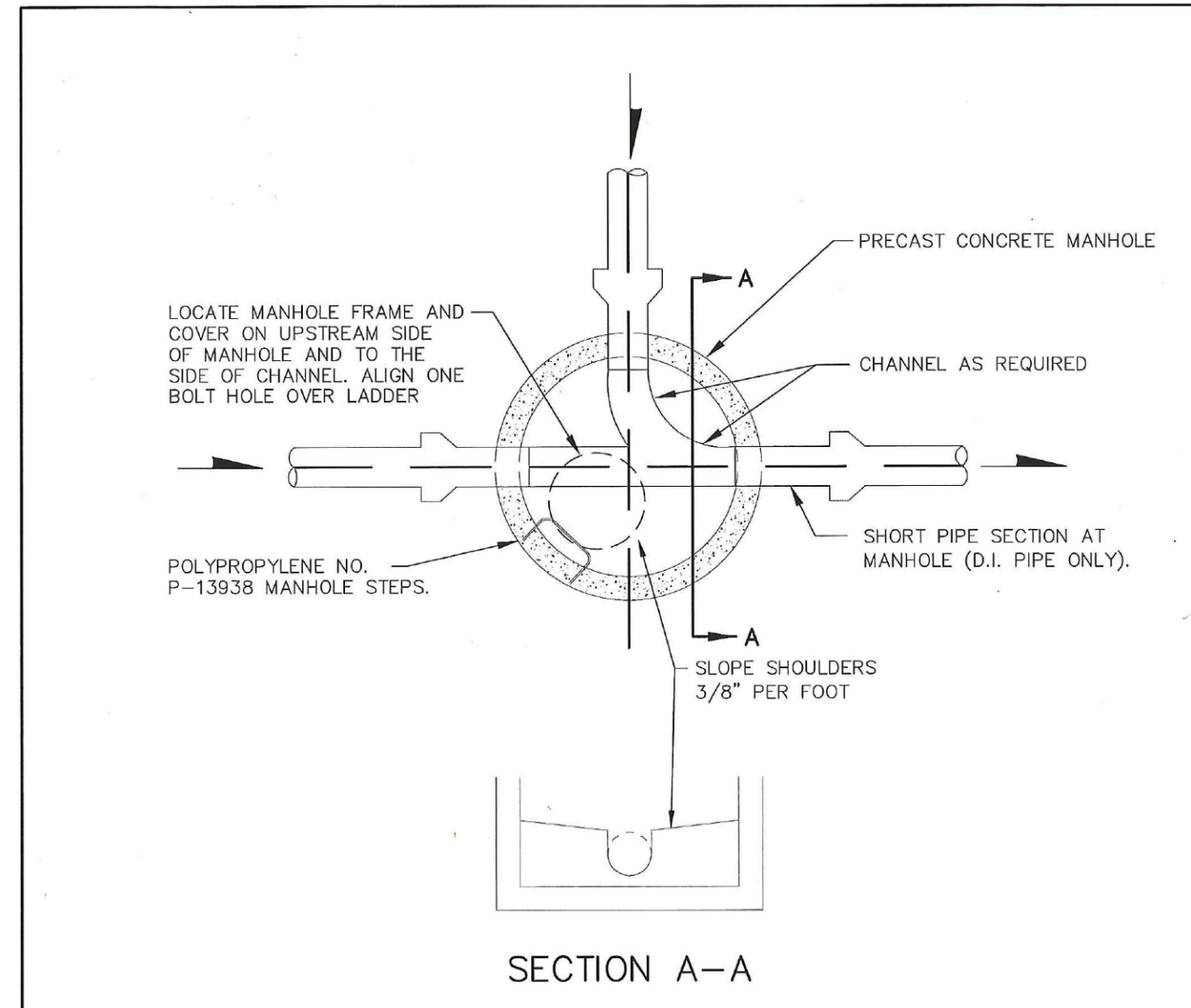
APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 MARYSVILLE CITY ENGINEER

**CUT-INS AND LIVE TAPS**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 2-070-004

**2** CUT-INS AND LIVE TAPS  
 C6.2 NOT TO SCALE



**NOTES:**  
 1. PIPE CONNECTIONS TO MANHOLES SHALL BE AS FOLLOWS:  
 PVC PIPE: CAST OR GROUT A MANHOLE COUPLING INTO WALL.  
 D.I. PIPE: BELL AND SPIGOT JOINT OR FLEXIBLE COUPLING EITHER SHALL BE 12" MAXIMUM DISTANCE FROM MANHOLE WALL. PVC AND D.I. PIPE, OPTIONAL: CORE THE MANHOLE AND CONNECT SEWER PIPE WITH A WATER TIGHT FLEXIBLE RUBBER BOOT IN MANHOLE WALL, KOR-N-SEAL BOOT OR EQUAL.

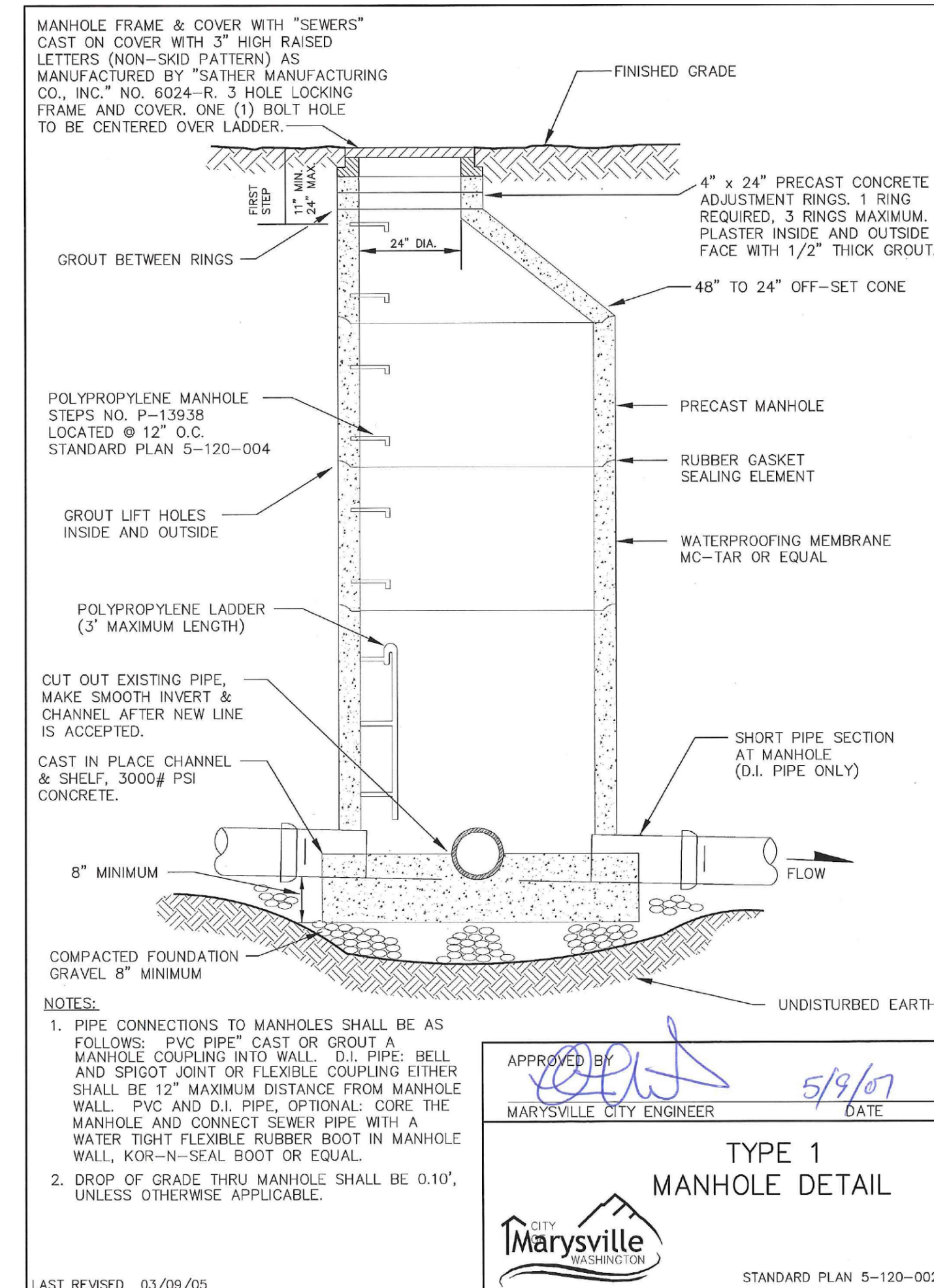
APPROVED BY: \_\_\_\_\_ DATE: 5/9/07  
 MARYSVILLE CITY ENGINEER

**MANHOLE PLAN**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 5-120-001

**3** MANHOLE PLAN  
 C6.2 NOT TO SCALE



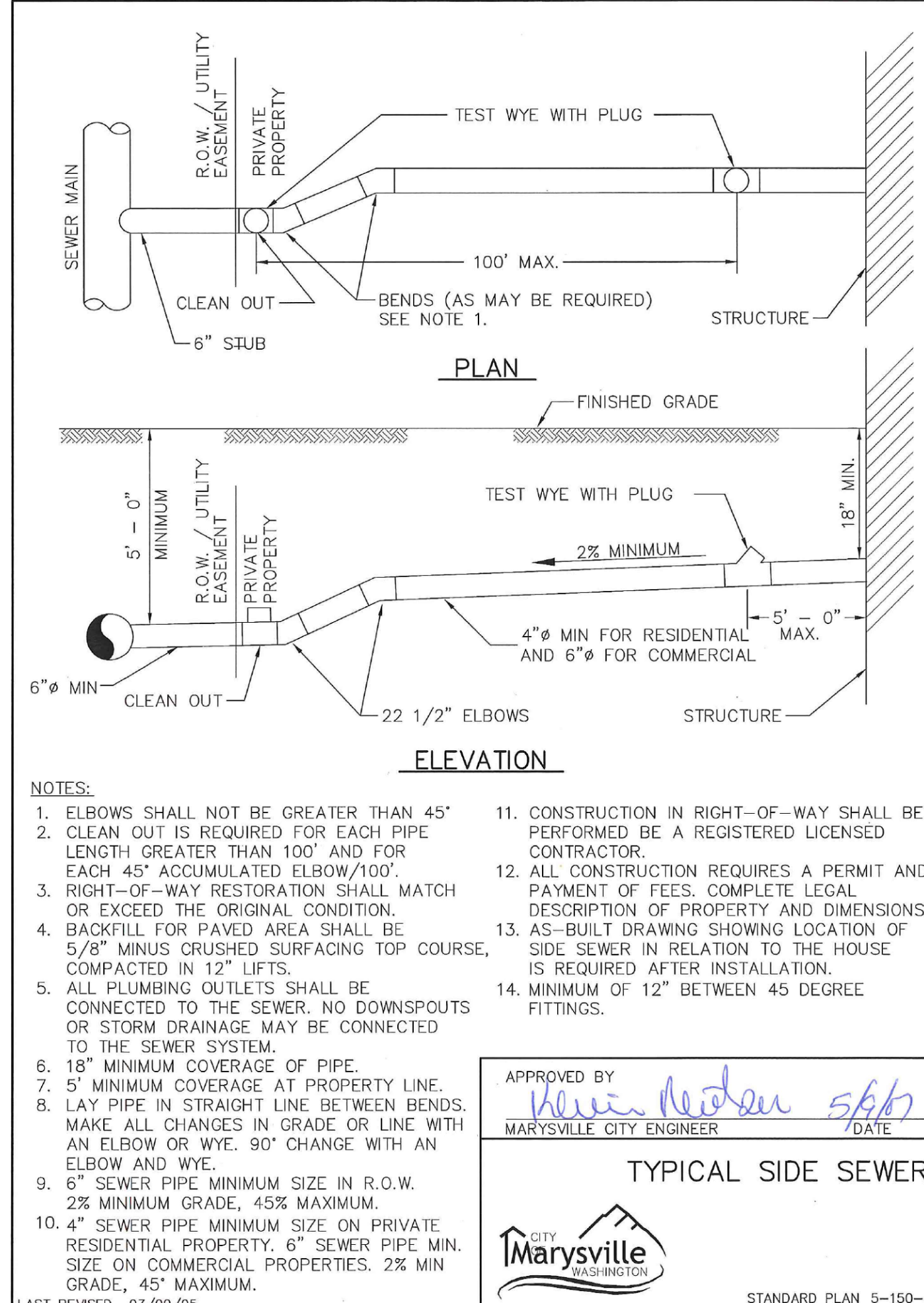
APPROVED BY: \_\_\_\_\_ DATE: 5/9/07  
 MARYSVILLE CITY ENGINEER

**TYPE 1 MANHOLE DETAIL**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 5-120-002

**4** TYPE 1 MANHOLE DETAIL  
 C6.2 NOT TO SCALE



**NOTES:**  
 1. ELBOWS SHALL NOT BE GREATER THAN 45°  
 2. CLEAN OUT IS REQUIRED FOR EACH PIPE LENGTH GREATER THAN 100' AND FOR EACH 45° ACCUMULATED ELBOW/100'.  
 3. RIGHT-OF-WAY RESTORATION SHALL MATCH OR EXCEED THE ORIGINAL CONDITION.  
 4. BACKFILL FOR PAVED AREA SHALL BE 5/8" MINUS CRUSHED SURFACING TOP COURSE, COMPACTED IN 12" LIFTS.  
 5. ALL PLUMBING OUTLETS SHALL BE CONNECTED TO THE SEWER. NO DOWNSPOUTS OR STORM DRAINAGE MAY BE CONNECTED TO THE SEWER SYSTEM.  
 6. 18" MINIMUM COVERAGE OF PIPE.  
 7. 5' MINIMUM COVERAGE AT PROPERTY LINE.  
 8. LAY PIPE IN STRAIGHT LINE BETWEEN BENDS. MAKE ALL CHANGES IN GRADE OR LINE WITH AN ELBOW OR WYE. 90° CHANGE WITH AN ELBOW AND WYE.  
 9. 6" SEWER PIPE MINIMUM SIZE IN R.O.W. 2% MINIMUM GRADE, 45% MAXIMUM.  
 10. 4" SEWER PIPE MINIMUM SIZE ON PRIVATE RESIDENTIAL PROPERTY. 6" SEWER PIPE MIN. SIZE ON COMMERCIAL PROPERTIES. 2% MIN GRADE, 45% MAXIMUM.

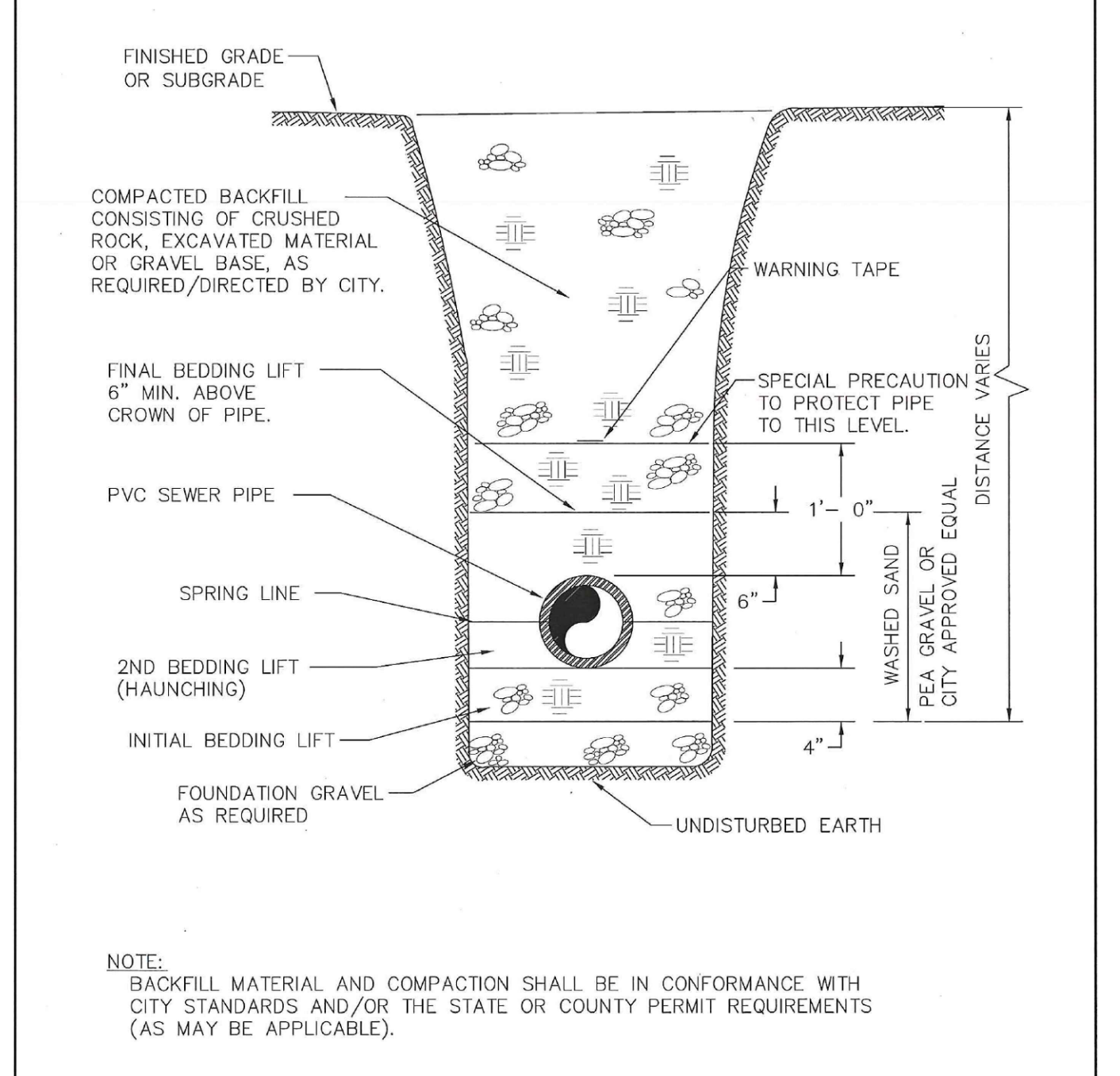
APPROVED BY: \_\_\_\_\_ DATE: 5/9/07  
 MARYSVILLE CITY ENGINEER

**TYPICAL SIDE SEWER**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 5-150-001

**5** TYPICAL SIDE SEWER  
 C6.2 NOT TO SCALE



**NOTE:**  
 BACKFILL MATERIAL AND COMPACTION SHALL BE IN CONFORMANCE WITH CITY STANDARDS AND/OR THE STATE OR COUNTY PERMIT REQUIREMENTS (AS MAY BE APPLICABLE).

APPROVED BY: \_\_\_\_\_ DATE: 5/9/07  
 MARYSVILLE CITY ENGINEER

**TRENCH (FLEXIBLE PIPE)**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 5-175-001

**6** TRENCH (FLEXIBLE PIPE)  
 C6.2 NOT TO SCALE



**UTILITY CONFLICT NOTE:**  
**CAUTION:**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BY POT-HOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 LOCATING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT WITH INSIGHT ENGINEERING COMPANY TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

**CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**

THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGEMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDOT HYDRAULIC PROJECT APPROVAL (HPA), WSDOT NOTICE OF INTENT (NOI), ANY CORPS OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_\_\_.

BY: \_\_\_\_\_  
 KEN MCINTYRE, PE, ENGINEERING SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL. PER MNC 22A.040.020 AND 22A.040.030.

REV. NO.	DESCRIPTION	INITIALS	DATE



**INSIGHT ENGINEERING CO.**  
 P.O. BOX - 1478  
 EVERETT, WA 98206  
 (425) 303-9363 (425) 303-9362 FAX  
 INFO@INSIGHTENGINEERING.NET

SITE ADDRESS: XXXXX SMOKEY POINT BLVD MARYSVILLE, WA 98223

TAX ACCOUNT NO.'S: 31052800301200, 31052800300600

SW 1/4, SEC. 28, T. 31 N., R.05 E., W.M.  
**KENDALL AUTO GROUP**

DWG FILENAME	DESIGNED BY:	DATE:	SCALE:	JOB NO.:
201902-FINAL.DWG	SPC	06-05-2022	N.T.S.	20-1092

SEWER AND WATER NOTES AND DETAILS **C6.2**

