

10920 199TH AVE CT E
BONNEY LAKE, WA 98391



PARCEL NUMBERS: 051903-3005 (36.24± ACRES) A PORTION THEREOF

BONNEY LAKE HS ADDRESS: 10920 -- 199TH AVE CT E, BONNEY LAKE, WA 98391
INTERSECTION OF 199TH AVE CT E AND BLHS/MWMS.

ZONING (ADJACENT): PF ("PUBLIC FACILITIES" PER BONNEY LAKE),
SR ("SUBURBAN RESIDENTIAL" PER PIERCE COUNTY)

SCOPE OF WORK: CONSTRUCTION OF A NEW ROUNDABOUT WITH ASSOCIATED SITE
AND STORM IMPROVEMENTS.

ROAD CLASSIFICATION: 199TH AVE. CT. EAST IS AN URBAN MINOR ARTERIAL

100-YEAR FLOODPLAIN: N/A -- ZONE X

STORM SYSTEM DEVELOPMENT CHARGE (ON-SITE AREAS ONLY)

TOTAL EXISTING HARD SURFACE =	64,300 S.F. (1.48 ACRES)
TOTAL NEW HARD SURFACE =	17,700 S.F. (0.41 ACRES)
NET CHANGE =	17,700 S.F. (0.41 ACRES)
TOTAL HARD SURFACE =	82,000 S.F. (1.88 ACRES) (NEW AND REMAINING EXISTING)

NOTE: "HARD SURFACE" IS DEFINED AS AN IMPERVIOUS SURFACE, A PERMEABLE PAVEMENT, OR A VEGETATED ROOF. OPEN, UNCOVERED, RETENTION/DETENTION FACILITIES, GRAVEL AREAS AND AREAS THAT HAVE NOT PAID SYSTEM DEVELOPMENT CHARGES ARE NOT CONSIDERED AS HARD SURFACES FOR THE PURPOSE OF SDC FEE CALCULATION.

STORM PERMIT (ON AND OFF-SITE AREA)

TOTAL DISTURBED AREA =	110,400 S.F. (2.53 ACRES)
TOTAL NEW HARD SURFACE =	17,700 S.F. (0.41 ACRES)
TOTAL NEW & REPLACED HARD SURFACE =	82,000 S.F. (1.88 ACRES)

NOTE: "HARD SURFACE" IS DEFINED AS AN IMPERVIOUS SURFACE, A PERMEABLE PAVEMENT, OR A VEGETATED ROOF SUCH AS (BUT NOT LIMITED TO): ROOF TOPS, WALKWAYS, PATIOS, AND PERMEABLE OR IMPERVIOUS PAVEMENT.

EARTHWORK QUANTITIES (ON AND OFF-SITE)

CUT/FILL:	CUT = 7,130 CY FILL = 1,260 CY NET = 5,870 CY (EXPORT)
TOTAL EARTHWORK = 8,390 CY	

NOTE: THE CONTRACTOR SHALL PERFORM INDEPENDENT CALCULATIONS FOR BIDDING PURPOSES. QUANTITIES ARE FOR PERMITTING PURPOSES ONLY.

Call 811
two business days
before you dig

PROJECT NO. [REDACTED]

20931

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DEMOLITION NOTES

- REMOVE ALL DELETERIOUS MATERIAL FOUND ON-SITE INCLUDING VEGETATION, SCRAP WOOD, TRASH, ETC. AND DISPOSE OF AT AN APPROVED OFF-SITE LOCATION.
- AT ALL TIMES THE CONTRACTOR SHALL MAINTAIN SIGNS, BARRICADES, FENCING, OR OTHER MEASURES TO ENSURE CONTINUOUS PROTECTION OF THE PUBLIC AND TO PREVENT UNAUTHORIZED ENTRY TO THE CONSTRUCTION AREA. AT A MINIMUM FENCING SHALL BE 6.0 FEET HIGH.
- PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH COUNTY AND STATE REQUIREMENTS. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TRAFFIC CONTROL SIGNS.
- THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF OFF-SITE AND ON-SITE PAVED SURFACES WHERE DAMAGE HAS BEEN SUSTAINED DUE TO THE DEVELOPMENT'S CONSTRUCTION TRAFFIC.
- ALL CONCRETE, PAVEMENT, CURBS, SIDEWALKS AND RAMPS INDICATED TO BE REMOVED OR REPLACED SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT AS IDENTIFIED DURING CONSTRUCTION. WHERE THIS IS NOT POSSIBLE DUE TO CONFLICTS OR ADJACENT DAMAGED CONCRETE / ASPHALT, THE CONTRACTOR SHALL MAKE A FULL PAVEMENT DEPTH SAWCUT AT THE PROPOSED JOINT IN SOUND PAVEMENT. PROPOSED CONCRETE / ASPHALT SHALL EXTEND TO THE SAWCUT EDGE AND BE APPROPRIATELY JOINED / SEALED. THE CONTRACTOR SHALL MAKE SAWCUTS AT EXISTING JOINTS WHERE POSSIBLE.

EXCAVATION NOTES

- EXCAVATE TO ELEVATIONS, LINES AND GRADES INDICATED TO NOT MORE THAN 1/2-INCH ABOVE OR BELOW THAT REQUIRED.
- SLOPE SIDES OF EXCAVATION AS INDICATED OR COMPLY WITH LOCAL CODES AND ORDINANCES HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT. SHORE AND BRACE WHERE SLOPING IS NOT POSSIBLE BECAUSE OF SPACE RESTRICTIONS OR STABILITY OF MATERIAL EXCAVATED.
- STOCKPILE SATISFACTORY EXCAVATED MATERIALS WHERE DIRECTED UNTIL REQUIRED FOR BACKFILL OR FILL. PLACE, GRADE AND SHAPE STOCKPILES FOR PROPER DRAINAGE. LOCATE AND RETAIN SOIL MATERIALS AWAY FROM EDGE OF EXCAVATIONS.
- DISPOSE OF EXCESS SOIL AND UNSUITABLE SOIL MATERIAL OFF-SITE AS DIRECTED.

COMPACTION NOTES

- CONTROL SOIL COMPACTION DURING CONSTRUCTION PROVIDING MINIMUM PERCENTAGE OF DENSITY SPECIFIED FOR EACH AREA CLASSIFICATION. PERCENTAGES ARE RELATED TO MAXIMUM DRY DENSITY AS MEASURED IN CONFORMANCE WITH ASTM D 1557.
- COMPACT TOP 12-INCHES OF SUBGRADE (24-INCHES UNDER PROPOSED DRIVING SURFACES) TO 95-PERCENT OF MAXIMUM DRY DENSITY UNDER PAVEMENTS AND GRAVEL SURFACING.
- WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE MOISTURE CONDITIONED BEFORE COMPACTION, UNIFORMLY APPLY WATER TO SURFACE OF SUBGRADE OR LAYER OF SOIL MATERIAL TO PREVENT FREE WATER APPEARING ON SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, SOIL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY. SOIL MATERIAL THAT HAS BEEN REMOVED BECAUSE IT IS TOO WET TO PERMIT COMPACTION MAY BE STOCKPILED OR SPREAD AND ALLOWED TO DRY. ASSIST DRYING BY DISKING, HARROWING OR PULVERIZING UNTIL MOISTURE CONTENT IS REDUCED TO SATISFACTORY VALUE.

SUBGRADE PREPARATION NOTES

- SUBGRADE BELOW STRUCTURAL FILL SHALL CONSIST OF FIRM, UNYIELDING NATIVE SOILS OR STRUCTURAL FILL MATERIALS. UNDER NO CIRCUMSTANCES SHALL FOUNDATIONS BE INSTALLED ATOP LOOSE, SOFT, OR FROZEN SOIL, SLOUGH, DEBRIS, EXISTING UNCONTROLLED FILL, OR SURFACES COVERED BY STANDING WATER. ANY LOCALIZED ZONES OF LOOSER GRANULAR SOILS OBSERVED WITHIN A SUBGRADE SHALL BE COMPACTED TO A DENSITY EQUAL TO THE SURROUNDING SOILS. ANY ORGANIC, SOFT, OR PUMPING SOILS OBSERVED WITHIN A SUBGRADE SHALL BE OVEREXCAVATED AND REPLACED WITH STRUCTURAL FILL MATERIAL. SUBGRADE CONDITION SHALL BE VERIFIED BY THE GEOTECHNICAL ENGINEER OR SPECIAL INSPECTOR PRIOR TO PLACING STRUCTURAL FILL.

POLLUTION PREVENTION NOTES

- EQUIPMENT LUBRICATION AND FUELING OPERATIONS SHALL OCCUR AT THE DESIGNATED FUELING AREA OR AN APPROVED OFF-SITE LOCATION.
- PREVENT OILS AND FUELS FROM ENTERING THE STORM DRAINAGE SYSTEM WITH PROPER CONTAINMENT DEVICES.
- ACCESS TO CONSTRUCTION IS VIA ADJACENT EXISTING PAVED STREETS OR THE PROPOSED CONSTRUCTION ENTRANCE. SWEEP DIRT FROM PAVING DAILY OR AS NEEDED. THE INTENT IS TO PREVENT DIRT AND DEBRIS FROM VEHICLES AND EQUIPMENT FROM BEING DEPOSITED ON PUBLIC STREET PAVEMENT.

CATCH BASIN PROTECTION NOTES

- CATCH BASIN INSERTS SHALL BE PROVIDED IN THE CATCH BASINS NOTED ON THE PLANS.
- AT ALL PROPOSED CATCH BASINS, CATCH BASIN PROTECTION SHALL BE INSTALLED IMMEDIATELY UPON CATCH BASIN INSTALLATION AND SHALL REMAIN UNTIL FINAL SITE STABILIZATION.
- CATCH BASIN INSERT SHALL BE BOWHEAD STREAMGUARD CATCH BASIN INSERT #3003, ADVANCED ENVIRONMENTAL SOLUTIONS DRAINGUARD CATCH BASIN FILTER INSERT #11091U, OR APPROVED EQUAL.
- CATCH BASIN INSERTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- CATCH BASIN INSERTS WILL BE REMOVED FOLLOWING COMPLETION OF CONSTRUCTION AND STABILIZATION OF ALL CLEARED AREAS.

CONSTRUCTION SEQUENCE

- OBTAIN SITE DEVELOPMENT PERMIT FROM BONNEY-LAKE AND PIERCE COUNTY. SCHEDULE PRE-CONSTRUCTION MEETINGS WITH THE COUNTY INSPECTOR, OWNER, CONTRACTOR AND DESIGN TEAM. SUBMIT ALL SUBMITTALS TO ARCHITECT.
- PROVIDE TESC MEASURES (EROSION CONTROL PLANS AND DETAIL SHEETS). COORDINATE WITH PROJECT WORK TIME PERIODS & PROJECT MILESTONE COMPLETION DATES.
- PROVIDE TEMPORARY UTILITIES AND SERVICES NECESSARY FOR CONSTRUCTION ACTIVITIES.
- COMMENCE CONSTRUCTION ACTIVITIES AS PERMITTED.
- CLEAN SEDIMENT FROM STORM DRAINAGE STRUCTURES AND PIPING IF AFFECTED. PROVIDE DOCUMENTATION CLEANING WAS PERFORMED BY A LICENSED/BONDED COMPANY.
- FINAL SITE INSPECTIONS: SEE CONTRACT PLANS FOR MILESTONE INSPECTIONS REQUIRED BY OWNER AND PERMITTING AGENCY.
- CERTIFICATE OF OCCUPANCY ISSUED.

STREET CONSTRUCTION NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT CITY OF BONNEY LAKE STANDARDS AND CURRENT AMENDMENTS THERETO AND THE LATEST EDITION OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, AND ANY CURRENT AMENDMENTS THERETO, AMENDED AS PER CITY STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL IN ACCORDANCE WITH THE MUTCD MANUAL PRIOR TO DISRUPTION OF ANY TRAFFIC. TRAFFIC CONTROL PLANS SHALL BE PREPARED AND SUBMITTED TO THE CITY FOR POSSIBLE APPROVAL. NO WORK SHALL COMMENCE UNTIL ALL APPROVED TRAFFIC CONTROL IS IN PLACE. WORK SHALL CEASE WHEN TRAFFIC CONTROL FAILS TO MEET MINIMUM REQUIREMENTS.
- ALL CURB AND GUTTER, STREET GRADES, SIDEWALK GRADES, AND ANY OTHER VERTICAL AND/OR HORIZONTAL ALIGNMENT SHALL BE STAKED BY AN ENGINEERING OR SURVEYING FIRM CAPABLE OF PERFORMING SUCH WORK. SUCH FIRMS SHALL BE CURRENTLY LICENSED IN THE STATE OF WASHINGTON TO PERFORM SUCH WORK.
- WHERE NEW ASPHALT JOINS EXISTING, THE EXISTING ASPHALT SHALL BE CUT TO A NEAT VERTICAL EDGE AND TACKED WITH ASPHALT EMULSION TYPE CSS 1 IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE NEW ASPHALT SHALL BE FEATHERED BACK OVER EXISTING TO PROVIDE FOR A SEAL AT THE SAW CUT LOCATION AND THE JOINT SEALED WITH GRADE 4R-4000W PAVING ASPHALT. A SAND BLANKET SHALL BE APPLIED TO THE SURFACE TO MINIMIZE "TRACKING" OF SAME.
- COMPACTION OF SUBGRADE, ROCK, AND ASPHALT SHALL BE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS.
- FORM AND SUBGRADE INSPECTION BY THE CITY IS REQUIRED BEFORE POURING CONCRETE. A MINIMUM TWO (2) WORKING DAYS NOTICE ARE REQUIRED TO BE PROVIDED TO THE CITY INSPECTOR FOR FORM INSPECTION.
- ALL STREETS, CURB AND GUTTERS, SIDEWALKS, AND ASSOCIATED APPURTENANCES SHALL BE CLEANED TO THE SATISFACTION OF THE CITY PRIOR TO FINAL ACCEPTANCE.

STORM DRAIN CONSTRUCTION NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND THE MOST CURRENT COPY OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (WSDOT).
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE REQUIRED IN ACCORDANCE WITH THE APPROVED PLANS AND ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- COMPLY WITH ALL OTHER PERMITS AND OTHER REQUIREMENTS BY THE CITY OR OTHER GOVERNING AUTHORITY OR AGENCY AS MAY BE APPLICABLE.
- A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED WITH THE CITY PRIOR TO THE START OF CONSTRUCTION.
- ALL STORM MAINS AND RETENTION/DETENTION AREAS SHALL BE STAKED FOR GRADE AND ALIGNMENT BY AN ENGINEERING OR SURVEYING FIRM CAPABLE OF PERFORMING SUCH WORK, AND CURRENTLY LICENSED IN THE STATE OF WASHINGTON TO DO SO.
- STORM DRAIN PIPE SHALL MEET THE FOLLOWING REQUIREMENTS:
 - PLAIN CONCRETE PIPE CONFORMING TO THE REQUIREMENTS OF C-143.
 - REINFORCED CONCRETE PIPE CONFORMING TO THE REQUIREMENTS OF C-76-IV.
 - PVC PIPE SHALL CONFORM TO ASTM D3034, SDR 35 FOR 4-INCH- THROUGH 15-INCH-DIAMETER PVC PIPE, AND SHALL CONFORM TO ASTM F679 FOR 18-INCH- THROUGH 27-INCH-DIAMETER PVC PIPE, WITH JOINTS AND GASKETS CONFORMING TO ASTM D3212 AND ASTM F477.
 - DUCTILE IRON PIPE CONFORMING TO THE REQUIREMENTS OF THE WSDOT STANDARD SPECIFICATIONS, THICKNESS CLASS AS SHOWN ON THE PLANS.
 - POLYETHYLENE SMOOTH WALL PIPE PER ADVANCED DRAINAGE SYSTEMS (ADS) N-12, "SURE-LOK" BELL AND SPIGOT, CONSTRUCTED PER WSDOT STANDARD SPECIFICATIONS 7-04. NOTE: THIS TYPE OF PIPE WILL ONLY BE APPROVED WITH THE CITY'S SPECIFIC APPROVAL. APPROVAL SHALL BE BASED ON SITE-SPECIFIC CONDITIONS AND IF ADDITIONAL ON-SITE INSPECTION TIME FOR WITNESSING PROPER PIPE INSTALLATION CAN BE SCHEDULED BY THE CITY.
- SPECIAL STRUCTURES, OIL/WATER SEPARATORS, AND OUTLET CONTROLS SHALL BE INSTALLED PER THE APPROVED PLANS AND MANUFACTURERS' RECOMMENDATIONS.
- PROVIDE TRAFFIC CONTROL PLAN(S) AS REQUIRED IN ACCORDANCE WITH MUTCD.
- CALL UNDERGROUND LOCATE LINE AT 811 OR 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATIONS.

SEEDING NOTES

- SEED MIXTURES SHALL BE PER THE "SEED MIXTURE FOR EROSION CONTROL" TABLE BELOW, AND SHALL BE APPLIED AT THE RATE OF 120 LB. PER ACRE.
- SEED BEDS PLANTED BETWEEN MAY 1 AND OCTOBER 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.
- FOR SEED BEDS PLANTED BETWEEN OCTOBER 31 AND APRIL 30, ARMORING OF THE SEED BED WILL BE NECESSARY (E.G. GEOTEXTILES, JUTE MAT, CLEAR PLASTIC COVERING).
- BEFORE SEEDING, INSTALL NEEDED SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DIKES, SWALES, LEVEL SPREADERS, AND SEDIMENT BASINS.
- THE SEED BED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE.
- FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIERS RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.
- SEED SHALL NOT BE USED IN AREAS SUBJECT TO WEAR BY CONSTRUCTION TRAFFIC.
- APPLICABLE IN AREAS OF 10% OR LESS SLOPE FOR A MAXIMUM HORIZONTAL DISTANCE OF 100 FEET. IN STEEPER AREAS (>10% SLOPE), USE MULCH, NETTING, OR OTHER TREATMENTS SPECIFICALLY DESIGNED FOR STEEPER AND LONGER SLOPES.

SEED MIXTURE FOR EROSION CONTROL

NAME	PROPORTIONS BY WEIGHT	PERCENT PURITY	PERCENT GERMINATION
CHEWING OR ANNUAL BLUE GRASS (FESTUCA RUBRA VAR. COMMUTATA OR POA ANNA)	40%	98%	90%
PERENNIAL RYE (LOLIUM PERENNE)	50%	98%	90%
REDTOP (AGROSTIS ALBA) OR COLONIAL BENTGRASS (AGROSTIS TENUIS)	5%	92%	85%
WHITE DUTCH CLOVER (TRIFOLIUM REPENS)	5%	98%	90%

MULCHING NOTES

- MULCH MATERIALS USED SHALL BE AS NOTED AND SHALL BE APPLIED AT THE RATE LISTED BELOW.
- MULCH SHALL BE APPLIED IN ALL AREAS WITH EXPOSED SLOPES GREATER THAN 2:1.
- MULCHING SHALL BE USED IMMEDIATELY AFTER SEEDING OR IN AREAS WHICH CANNOT BE SEEDED BECAUSE OF THE SEASON.
- ALL AREAS NEEDING MULCH SHALL BE COVERED BY NOVEMBER 1. CONTRACTOR WILL NEED TO REMOVE WOOD FIBER CELLULOSE UPON FINAL PROJECT COMPLETION (IF USED) UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

(CITY OF BONNEY LAKE 2018 STORM DRAINAGE STANDARDS)

DEFINITIONS

DEMOLISH: CAREFULLY REMOVE EXISTING ITEM AS INDICATED AND LEGALLY DISPOSE OF SAME OFFSITE.

REUSE/RELOCATE: CAREFULLY REMOVE EXISTING ITEM, INTACT, AS INDICATED, TEMPORARILY STORE (IF NECESSARY) AND PROTECT (FOR REINSTALLATION, INTACT, AS INDICATED).

SALVAGE: CAREFULLY REMOVE EXISTING ITEM, INTACT, AS INDICATED, AND DELIVER TO OWNER/OTHER, INTACT, AS INSTRUCTED.

PROTECT: LEAVE EXISTING ITEM IN PLACE, INTACT, AS INDICATED, AND PROTECT FROM DAMAGE. THIS IS PART OF EXISTING-TO-REMAIN AND IS SPECIFICALLY NOTED ONLY FOR CLARIFICATION PURPOSES.

NOTE: THE CONTRACTOR SHALL VISIT THE SITE TO PERFORM A THOROUGH WALK THROUGH TO EXAMINE ALL ITEMS TO BE "DEMOLISHED," "REUSE/RELOCATED", "SALVAGED" OR "SAVED". ALL ITEMS SHALL BE INCLUDED IN THE CONTRACTORS SCOPE OF WORK AND BID.

SEASONAL LIMITATIONS ON CONSTRUCTION ACTIVITIES

THE FOLLOWING SHALL BE ADHERED TO ON ALL CONSTRUCTION SITES WITH ERODIVE SOILS AND/OR A GRADIENT OF GREATER THAN TWO PERCENT FOR LIMITING EXPOSED SOILS TO ERODIVE PROCESSES.

MAY 1ST TO SEPTEMBER 30TH (DRY SEASON)

THE CLEARING OF LAND, INCLUDING THE REMOVAL OF EXISTING VEGETATION OR OTHER GROUND COVER, MUST BE LIMITED TO ONLY AS MUCH LAND AREA AS CAN RECEIVE APPROPRIATE PROTECTIVE COVER OR BE OTHERWISE STABILIZED AFTER HAVING BEEN CLEARED OR OTHERWISE DISTURBED BY NO LATER THAN SEPTEMBER 30TH OF A GIVEN YEAR. UNLESS IMMEDIATE STABILIZATION IS SPECIFIED IN THE EROSION AND SEDIMENTATION CONTROL PLAN, ALL AREAS CLEARED OR OTHERWISE DISTURBED MUST BE APPROPRIATELY STABILIZED THROUGH THE USE OF MULCHING, NETTING, PLASTIC SHEETING, EROSION BLANKETS, FREE DRAINING MATERIALS, ETC..., BY SEPTEMBER 30TH.

UNLESS OTHERWISE APPROVED BY THE COUNTY, SEEDING, FERTILIZING AND MULCHING OR CLEARED OR OTHERWISE DISTURBED AREAS SHALL BE PERFORMED DURING THE FOLLOWING PERIODS: MARCH 1ST THROUGH MAY 15TH AND AUGUST 15TH THROUGH OCTOBER 1ST. SEEDING AFTER OCTOBER 1ST WILL BE DONE WHEN PHYSICAL COMPLETION OF THE PROJECT IS IMMINENT AND THE ENVIRONMENTAL CONDITIONS ARE CONDUCIVE TO SATISFACTORY GROWTH. IN THE EVENT THAT PROJECT STABILIZATION IS NOT POSSIBLE, AN ALTERNATIVE METHOD OF GROUND COVER (SUCH AS MULCHING, NETTING, PLASTIC SHEETING, EROSION BLANKETS, ETC...) MUST BE INSTALLED BY NO LATER THAN SEPTEMBER 30TH.

IN THE EVENT THAT CONSTRUCTION ACTIVITIES OR OTHER SITE DEVELOPMENT ACTIVITIES ARE DISCONTINUED FOR FOUR CONSECUTIVE DAYS OR MORE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION OF ALL EROSION AND SEDIMENTATION CONTROL FACILITIES IMMEDIATELY AFTER STORM EVENTS AND AT LEAST ONCE EVERY WEEK. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE MAINTENANCE AND REPAIR OF ALL EROSION AND SEDIMENTATION CONTROL FACILITIES.

THE CONTRACTOR SHALL PROVIDE MATERIALS ONSITE READILY AVAILABLE TO IMMEDIATELY STABILIZE DENuded AREAS DURING PERIODS OF INCLEMENT WEATHER WHICH RESULT IN EROSION AND SEDIMENT TRANSPORT OFFSITE.

THE CONTRACTOR SHALL ENSURE THE PROPER CONTINUED FUNCTIONING OF THE ESC FACILITIES BY PROMPT CLEANING AND MAINTENANCE AFTER EACH EROSION AND SEDIMENT PRODUCING RAINFALL EVENT.

OCTOBER 1ST TO APRIL 30TH (WET SEASON)

ON SITES WHERE UNINTERRUPTED CONSTRUCTION ACTIVITY IS IN PROGRESS, THE CLEARING OF LAND, INCLUDING THE REMOVAL OF EXISTING VEGETATION OR OTHER GROUND COVER, SHALL BE LIMITED TO ONLY AS MUCH LAND AREA AS CAN BE COVERED OR STABILIZED WITHIN 24 HOURS IN THE EVENT A MAJOR STORM IS PREDICTED AND/OR EROSION/SEDIMENT TRANSPORT OFFSITE IS OBSERVED.

ADDITIONALLY, ALL CLEARED OR DISTURBED AREAS WILL RECEIVE APPROPRIATE PROTECTIVE COVER OR BE OTHERWISE STABILIZED (SUCH AS MULCHING, NETTING, PLASTIC SHEETING, EROSION BLANKETS, FREE DRAINING MATERIAL, ETC...) WITHIN FIVE DAYS AFTER HAVING BEEN CLEARED OR OTHERWISE DISTURBED IF NOT BEING ACTIVELY WORKED. FILTER FABRIC FENCING, SEDIMENT TRAPS, SEDIMENT PONDS, ETC..., WILL NOT BE VIEWED AS ADEQUATE COVER IN AND OF THEMSELVES. IN THE EVENT THAT ANY LAND AREA NOT BEING ACTIVELY WORKED REMAINS UNPROTECTED OR HAS NOT BEEN APPROPRIATELY STABILIZED FIVE DAYS AFTER HAVING BEEN CLEARED, ALL CONSTRUCTION ACTIVITY ON THE SITE, EXCEPT FOR APPROVED EROSION AND SEDIMENTATION CONTROL ACTIVITY, SHALL IMMEDIATELY CEASE UNTIL SUCH A TIME AS SAID LAND HAS BEEN APPROPRIATELY PROTECTED OR STABILIZED.

THE CONTRACTOR SHALL AT ALL TIMES HAVE AVAILABLE FOR THE PROJECT SUFFICIENT QUANTITIES OF PROTECTIVE COVERING MATERIALS TO IMMEDIATELY STABILIZE ALL DISTURBED AREAS IN CASE THE PROJECT ENGINEER OR COUNTY DIRECTS THEM TO COVER DUE TO OBSERVED MIGRATION OF SOILS OR INCLEMENT WEATHER.

LEGEND

EXISTING FEATURES-

- ⊕

 FOUND MONUMENT AS NOTED

⊕

 CALCULATED MONUMENT POSITION

○

 FOUND REBAR / IRON PIPE AS NOTED

⊕

 SURVEY CONTROL POINT, AS NOTED

⊕

 SANITARY SEWER MANHOLE

⊕

 STORM MANHOLE

⊕

 STORM CATCH BASIN

<

 STORM CULVERT

⌵

 ROOF DRAIN

⌵

 WATER VALVE

⌵

 WATER METER

⌵

 FIRE HYDRANT

⌵

 WATER VAULT

⌵

 WATER BLOW OFF

⌵

 IRRIGATION CONTROL VALVE

⌵

 WATER FOUNTAIN

⌵

 GAS VALVE

⌵

 TRAFFIC SIGNAL ARM

⌵

 JUNCTION BOX

⌵

 POWER VAULT

⌵

 LIGHT POLE

⌵

 UTILITY VAULT

⌵

 POWER TRANSFORMER

⊕

 BOLLARD

⊕

 GATE POST

⊕

 TELEPHONE RISER
- ⌵

 COMMUNICATIONS MANHOLE
- ⌵

 SIGN
- ⌵

 FLAG POLE
- ⌵

 DECIDUOUS TREE
- ⌵

 EVERGREEN TREE
- ⌵

 TAX PARCEL NUMBER

 BOUNDARY LINE

 LOT LINE

 SECTION LINE

 ROAD CENTERLINE

 STORM DRAIN LINE

 SANITARY SEWER LINE

 BURIED WATER LINE

 BURIED GAS LINE

 BURIED POWER LINE

 BURIED TELECOM. LINE

 OVERHEAD POWER LINE

 RECORD STORM DRAIN LINE

 CHAIN LINK FENCE

 HAND RAIL

 WOOD FENCE

 ASPHALT SURFACE

 CONCRETE SURFACE

 GRAVEL/SAND SURFACE

 RIP-RAP SURFACE

 BRICK/PAVER SURFACE

 STEEL DECK SURFACE

 CATCH BASIN PROTECTION

 TYPE 1 CATCH BASIN

 TYPE 2 CATCH BASIN

 FIRE HYDRANT

 VALVE BOX

 TEE WITH THRUST BLOCK

 CLEARING/GRADING LIMITS

 SILT FENCE

 DEMOLISH FEATURE AS NOTED

 SAWCUT LINE

 MAJOR CONTOUR

 MINOR CONTOUR

 STORM DRAIN PIPE

 WATER UTILITY PIPE

 ALIGNMENT CENTERLINE

 CONCRETE CURB & GUTTER

 ASPHALT PAVEMENT

 CONTROL WALK

 TEXTURED CONCRETE (SEE LS PLANS)

 LANDSCAPING (SEE LS PLANS)

sh

sitts & hill

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SUMNER-BONNEY LAKE SCHOOL DISTRICT

19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT

BONNEY LAKE, WA 98391

SHEET TITLE
PROJECT NOTES

SHEET NO.

C0.02

PROJECT NO.

20931

811

Call 811
two business days
before you dig

APPROVED

BY: _____

CITY OF BONNEY LAKE
CITY ENGINEER, PE

DATE: _____

Plans meet current
Development Policies and
Public Works Design Standards.

REVISIONS

APPROVALS

SEAL

PREPARED BY

PREPARED FOR

PROJECT

k: 2080120816 Drawings 20818 - SV1.0.dwg last edited: 07/26/26 11:14 am by: shillings

POINT TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	669751.68	1226494.55	673.14	RCC
2	669392.72	1226367.92	666.59	RCC
3	669602.78	1226495.83	676.78	MAG
4	669978.15	1226494.51	671.81	MAG
10	668660.64	1225883.12	612.78	MON
11	670136.03	1226693.81	675.38	MON
12	670763.10	1226508.00	662.92	MON
14	671076.36	1225182.75	627.45	MON
15	670577.98	1224425.01	625.66	MON
16	670040.07	1223961.52	618.44	IP
17	669989.69	1225945.81	685.80	IP
18	671331.04	1225951.10	633.01	MAG
19	671317.45	1226008.13	634.87	MON
20	668613.68	1227229.10	641.17	MON
21	671266.38	1227363.94	629.02	MON
22	669648.95	1223999.93	601.53	MON
23	669636.99	1224461.28	598.86	MON
24	669996.57	1224481.57	627.94	MON
25	670001.88	1224276.72	614.42	MON
26	669981.97	1224276.28	614.54	MON
27	669948.21	1225859.66	685.45	SCRIBE
28	670096.37	1225612.70	672.50	SCRIBE
29	670029.98	1225445.16	669.56	SCRIBE
30	670099.45	1225108.94	653.58	SCRIBE
31	670100.93	1224843.60	651.65	MAG
32	670250.58	1224633.02	645.18	MAG
33	670466.18	1224456.70	645.22	MAG
34	670525.75	1224976.46	652.23	SCRIBE
35	670616.87	1225338.70	654.53	MAG
38	669877.19	1225904.69	684.21	MAG
46	669661.79	1225855.46	679.18	MAG
47	669372.62	1225964.86	668.69	MAG
54	670309.18	1224977.62	653.22	SCRIBE
66	670012.33	1225019.97	649.81	RBC
67	670015.55	1224888.16	655.31	RBC

REFERENCES

- 201308290427 - SLOPE EASEMENT
- 9107220642 - BLA
- 9206120645 - EASEMENT
- 9604050391 - SPIRAEA GLEN DIVISION I
- 200603305003 - GOLD SMITH - PIERCE COUNTY CRP #5676 R.O.S.
- 200603305004 - GOLD SMITH - PIERCE COUNTY CRP #5675 R.O.S.
- 9003150404 - CEDAR RIDGE PLAT
- 8910080251 - COUNTRY HIGHLANDS DIVISION II
- 2733 - WEYERHAUSER REAL ESTATE COMPANY R.O.S.
- 1590 - LARGE LOT SUBDIVISION
- 79-706 - SHORT PLAT
- 9105160438 - WILDERNESS RIDGE DIVISION I
- 9207010322 - BONNEY LAKE MANOR
- 9502080305 - QUIT CLAIM DEED
- 9807270723 - QUIT CLAIM DEED
- BONNEY LAKE FILE NO. 2001-31 - BLHS PAVING, GRADING, AND STORM PLAN

LEGAL DESCRIPTION

THAT PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER AND THE EAST HALF OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 19 NORTH, RANGE 5 EAST OF THE WILLAMETTE MERIDIAN, IN PIERCE COUNTY, WASHINGTON, LYING EASTERLY AND SOUTHERLY OF THE EASTERLY AND SOUTHERLY RIGHT-OF-WAY LINE OF 104TH STREET EAST CONVEYED TO THE CITY OF BONNEY LAKE BY DEEDS RECORDED UNDER RECORDING NUMBERS 9502080305 AND 9604020591 AND LYING WESTERLY AND NORTHERLY OF THE FOLLOWING DESCRIBED PROPERTY:

THAT PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER AND THE EAST HALF OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 19 NORTH, RANGE 5 EAST OF THE WILLAMETTE MERIDIAN, IN PIERCE COUNTY, WASHINGTON DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THE SOUTHEAST QUARTER OF SAID SECTION 4; THENCE SOUTH 02°31'09" WEST ALONG THE EAST LINE OF SAID SOUTHEAST QUARTER, 1329.59 FEET TO THE SOUTHEAST CORNER OF THE NORTH HALF OF SAID SOUTHEAST QUARTER;

THENCE NORTH 88°43'24" WEST ALONG THE SOUTH LINE OF THE NORTH HALF OF SAID SOUTHEAST QUARTER, 1845.93 FEET TO A POINT ON A CURVE;

THENCE ALONG A CURVE TO THE RIGHT, WHOSE RADIUS POINT BEARS SOUTH 73°38'04" EAST, 950.00 FEET, THROUGH A CENTRAL ANGLE OF 34°08'33";

THENCE NORTH 50°30'29" EAST, 524.28 FEET;

THENCE ALONG A CURVE TO THE RIGHT, WHOSE RADIUS POINT BEARS SOUTH 39°29'31" EAST, 950.00 FEET, THROUGH A CENTRAL ANGLE OF 19°18'47";

THENCE NORTH 69°49'16" EAST, 883.14 FEET;

THENCE ALONG A CURVE TO THE RIGHT, WHOSE RADIUS POINT BEARS SOUTH 20°10'44" EAST, 700.00 FEET, THROUGH A CENTRAL ANGLE OF 07°13'22", TO A POINT ON THE NORTH LINE OF SAID SOUTHEAST QUARTER;

THENCE SOUTH 88°35'42" EAST ALONG THE NORTH LINE OF SAID SOUTHEAST QUARTER 2.06 FEET TO THE POINT OF BEGINNING;

TOGETHER WITH THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 19 NORTH, RANGE 5 EAST OF THE WILLAMETTE MERIDIAN, IN PIERCE COUNTY, WASHINGTON LYING SOUTHERLY OF THE SOUTHERLY RIGHT-OF-WAY LINE OF 104TH STREET EAST CONVEYED TO THE CITY OF BONNEY LAKE BY DEED RECORDED UNDER RECORDING NUMBER 9502080305;

TOGETHER WITH LOTS 4 AND 5 OF PIERCE COUNTY LARGE LOT SUBDIVISION, FILED UNDER AUDITOR NUMBER 1590, DATED JANUARY 19, 1977;

TOGETHER WITH THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 19 NORTH, RANGE 5 EAST OF THE WILLAMETTE MERIDIAN, LYING WESTERLY OF 199TH AVE. CT. EAST;

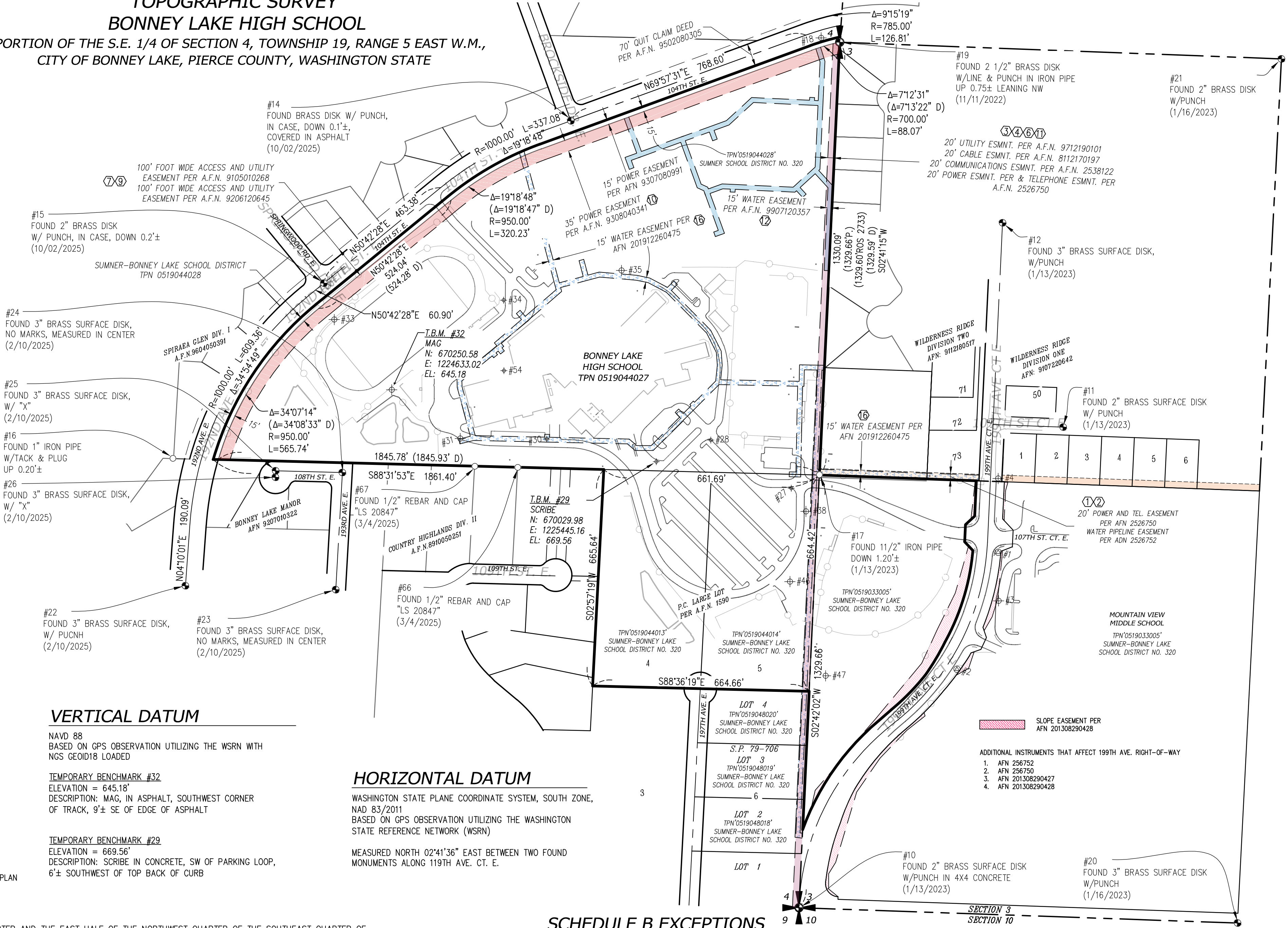
EXCEPT THOSE PORTIONS THEREOF CONVEYED TO PIERCE COUNTY BY DEEDS RECORDED UNDER RECORDING NUMBERS 9807270722 AND 9807270723;

EXCEPT THAT PORTION THEREOF CONVEYED TO THE CITY OF BONNEY LAKE BY DEEDS RECORDED UNDER RECORDING NUMBER 201308290427.

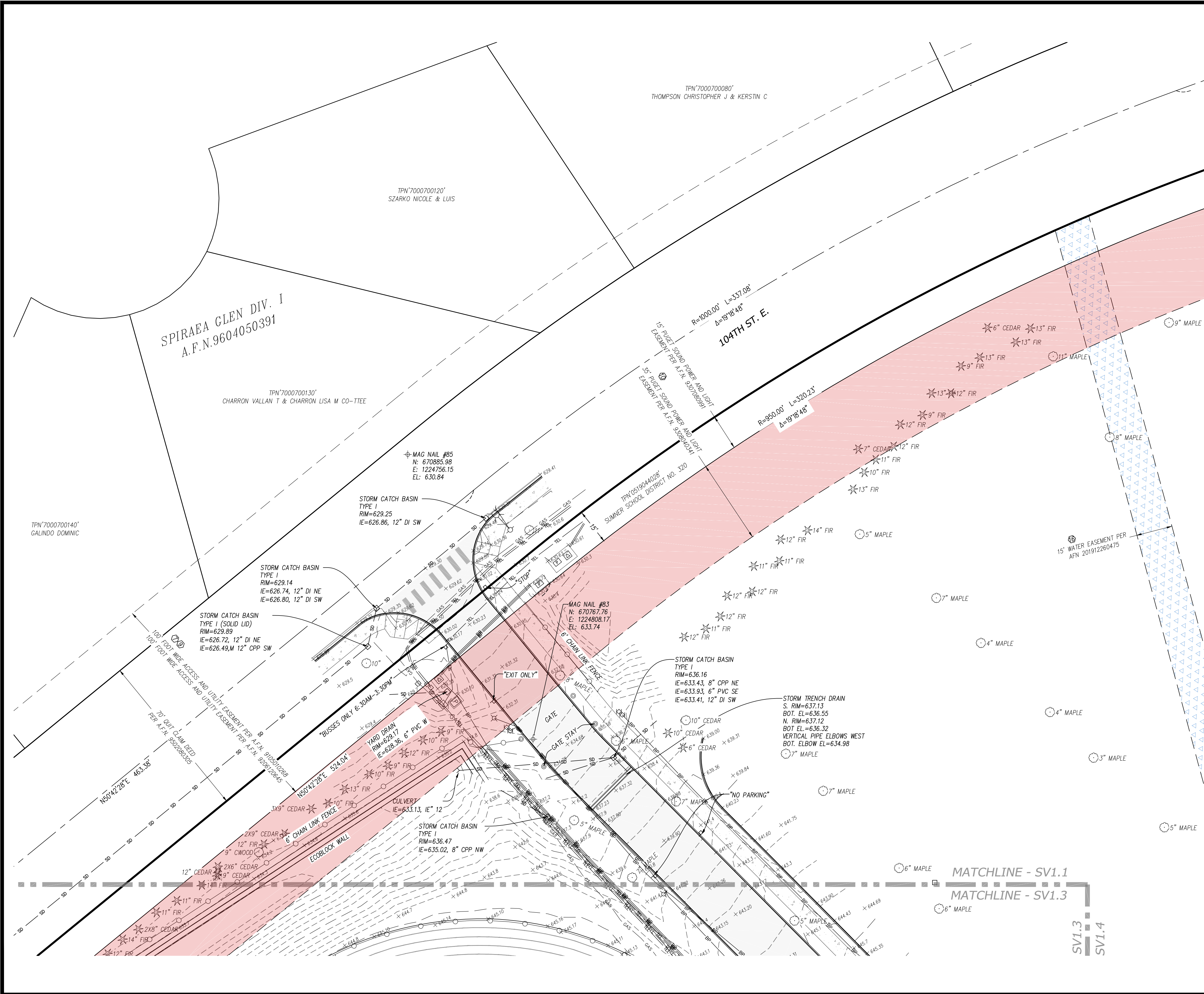
SITUATE IN THE CITY OF BONNEY LAKE, COUNTY OF PIERCE, STATE OF WASHINGTON.

TOPOGRAPHIC SURVEY BONNEY LAKE HIGH SCHOOL

A PORTION OF THE S.E. 1/4 OF SECTION 4, TOWNSHIP 19, RANGE 5 EAST W.M.,
CITY OF BONNEY LAKE, PIERCE COUNTY, WASHINGTON STATE



k: 20800.00816 Drawings 20818 - SV1.1.dwg last edited: 07/26/26 11:08am by schilling





NORTH

HORIZONTAL SCALE: 1"=20'

20 0 20 40

LEGEND

- FOUND MONUMENT AS NOTED
- CALCULATED MONUMENT POSITION
- FOUND REBAR / IRON PIPE AS NOTED
- SURVEY CONTROL POINT, AS NOTED
- SANITARY SEWER MANHOLE
- STORM MANHOLE
- STORM CATCH BASIN
- STORM CULVERT
- ROOF DRAIN
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- WATER VAULT
- WATER BLOW OFF
- IRRIGATION CONTROL VALVE
- WATER FOUNTAIN
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- TRAFFIC SIGNAL ARM
- JUNCTION BOX
- POWER VAULT
- LIGHT POLE
- UTILITY VAULT
- POWER TRANSFORMER
- BOLLARD
- GATE POST
- TELEPHONE RISER
- COMMUNICATIONS MANHOLE
- SIGN
- FLAG POLE
- DECIDUOUS TREE
- EVERGREEN TREE
- TPN TAX PARCEL NUMBER

BOUNDARY LINE

LOT LINE

SECTION LINE

ROAD CENTERLINE

STORM DRAIN LINE

SANITARY SEWER LINE

BURIED WATER LINE

BURIED GAS LINE

BURIED POWER LINE

BURIED TELECOM. LINE

OVERHEAD POWER LINE

RECORD STORM DRAIN LINE

CHAIN LINK FENCE

HAND RAIL

WOOD FENCE

ASPHALT SURFACE

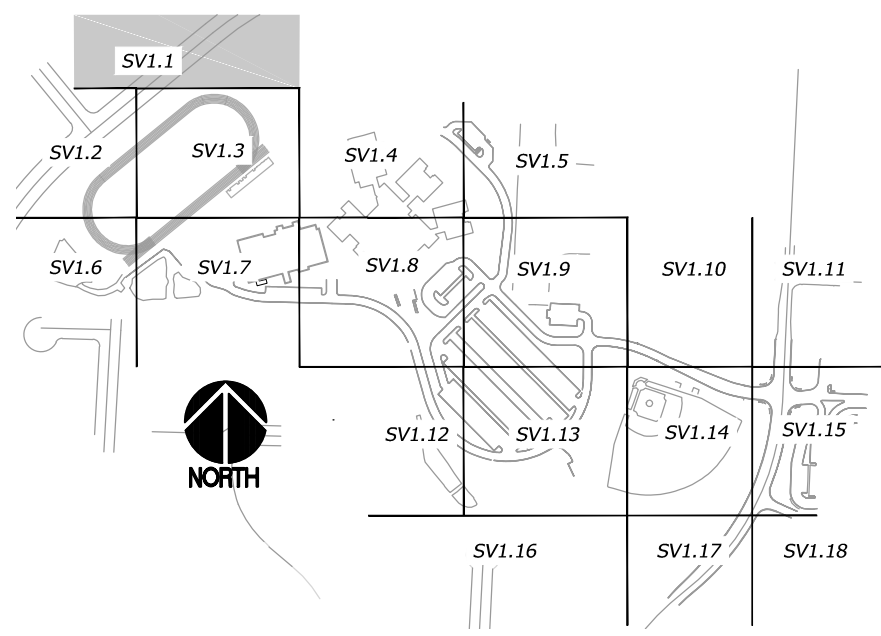
CONCRETE SURFACE

GRAVEL/SAND SURFACE

RIP-RAP SURFACE

BRICK/PAVER SURFACE

STEEL DECK SURFACE



REVISIONS

NO.	DESCRIPTION	DATE

APPROVALS

DESIGNED	DRAWN	CHECKED	DATE	SCALE

SEAL



PREPARED BY

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PROJECT

BONNEY LAKE HIGH SCHOOL

BUILDING ADDITION TOPOGRAPHIC SURVEY

BONNEY LAKE, WA 98391

SHEET NO. 20818

SHEET TITLE

TOPOGRAPHIC SURVEY

PROJECT NO.

20818

k: 20800.00816 (Drawings) 20818 - SV1.2.dwg last edited: 07/26/26 11:10am by: schilling

SPIRAEA GLEN DIV. 1
A.F.N.9604050391

TPN'7000700300' BULLOCK
JOHN C & PATRICIA M

TPN'7000700290' GOMEZ
ALEXZANDER N & KARLA M

TPN'7000700270' POPE THOMAS J

SPRINGWOOD DR. E.
N38°17'32"W 241.00'

FOUND 2" BRASS DISK W/ PUNCH,
IN CASE, DOWN 0.2±
(10/02/2025)

TPN'7000700260'
GROAT DAVID & GROAT HOLLY A TIEES OF GROAT REVOCABLE TRUST

MATCHLINE - SV1.1

MATCHLINE - SV1.2

STORM CATCH BASIN
TYPE I (SOLID LID)
RIM=627.37
IE=624.61, 12" CPP NE
IE=624.55, 12" CPP SW

STORM MANHOLE
TYPE II
RIM=640.29
IE=629.82, 12" CPP E
IE=632.49, 12" CPP S
IE=629.64, 12" CPP W
LADDER NORTH

MAG NAIL #33
N: 670466.18
E: 1224456.70
EL: 645.22

STORM TRENCH DRAIN
RIM=644.82
EL=644.11, E&W BOT. STRUCT
EL=643.59, MID. BOT. STRUCT (STEP-DOWN)
IE=643.82, 6" CPP SE



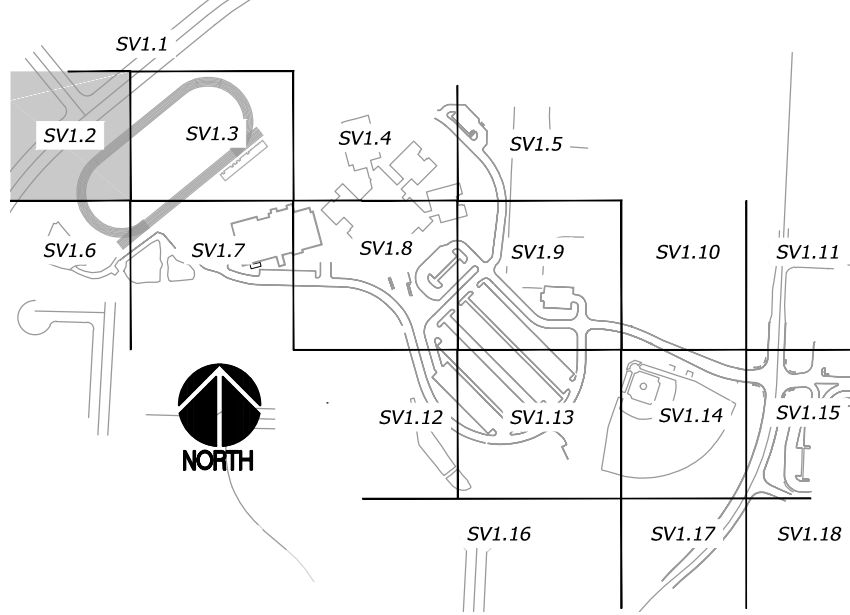
HORIZONTAL SCALE: 1"=20'
20 0 20 40

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- FOUND REBAR / IRON PIPE AS NOTED
- SURVEY CONTROL POINT, AS NOTED
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- STORM MANHOLE
- STORM CATCH BASIN
- STORM CULVERT
- ROOF DRAIN
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- WATER VAULT
- WATER BLOW OFF
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- WATER FOUNTAIN
- GAS VALVE
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- EVERGREEN TREE
- TPN TAX PARCEL NUMBER

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- CHAIN LINK FENCE
- HAND RAIL
- WOOD FENCE

- ASPHALT SURFACE
- CONCRETE SURFACE
- GRAVEL/SAND SURFACE
- RIP-RAP SURFACE
- BRICK/PAVER SURFACE
- STEEL DECK SURFACE



REVISIONS

APPROVALS

SEAL

PREPARED BY

PREPARED FOR

PROJECT

SHEET NO.

PROJECT NO.

DESIGNED	---
DRAWN	KFO
CHECKED	DMS/STT
DATE	01/14/2025
SCALE	AS NOTED



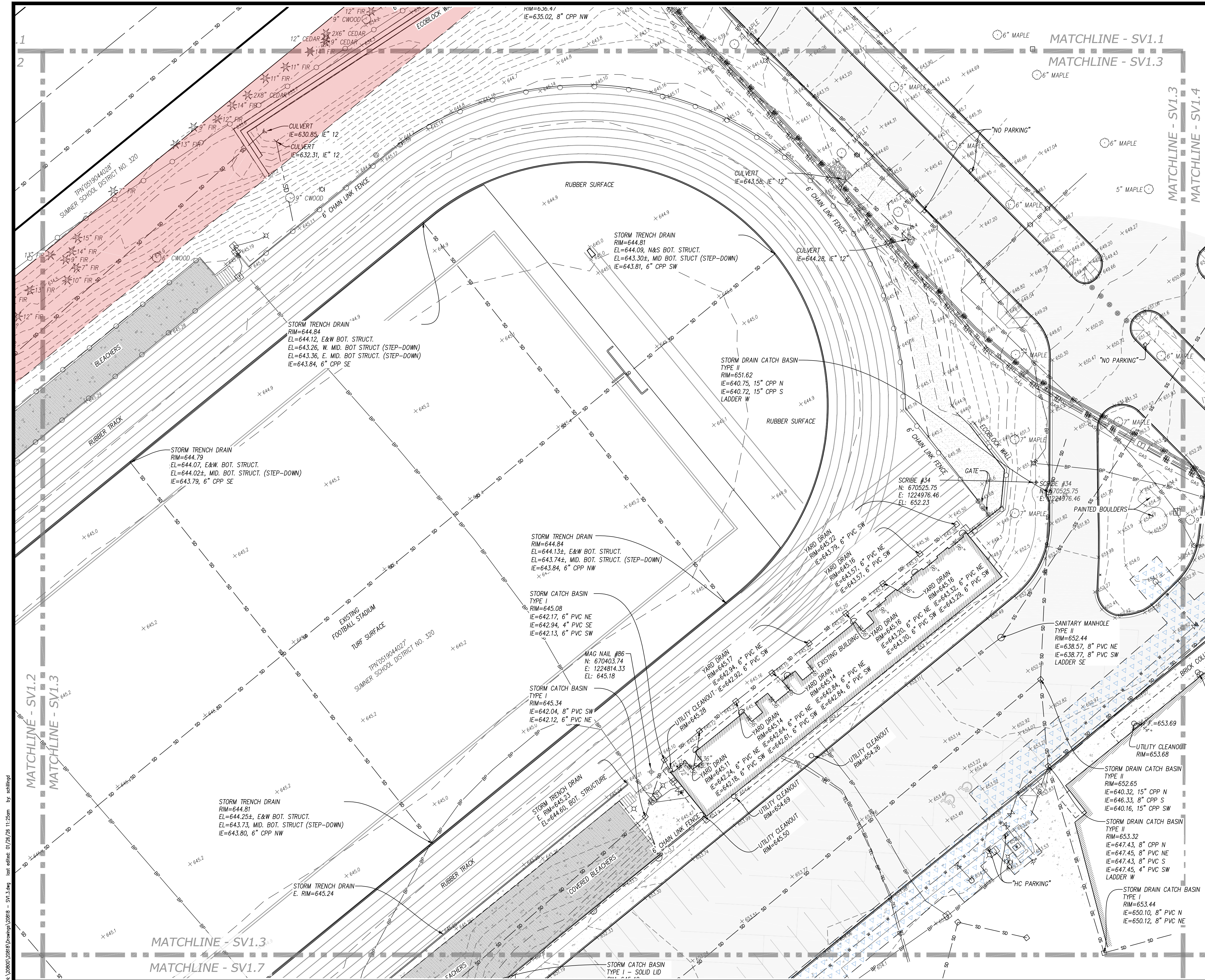
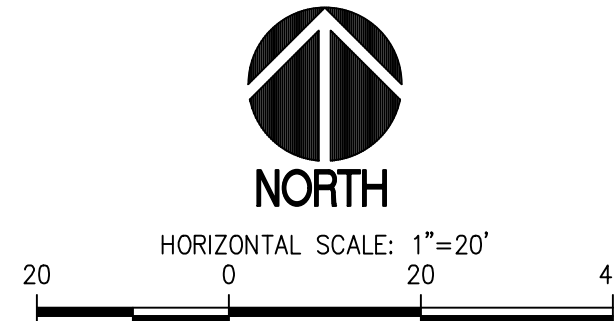
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SCHOOL DISTRICT**
1202 WOOD AVENUE
SUMNER, WA 98390
(253)-891-6305

**BONNEY LAKE HIGH SCHOOL
BUILDING ADDITION TOPOGRAPHIC SURVEY**
BONNEY LAKE, WA 98391
SHEET TITLE
TOPOGRAPHIC SURVEY

SV1.2
20818

\\20800\20818\Drawings\20818 - SV1.3.dwg last edited: 07/26/26 11:25am by: schilling

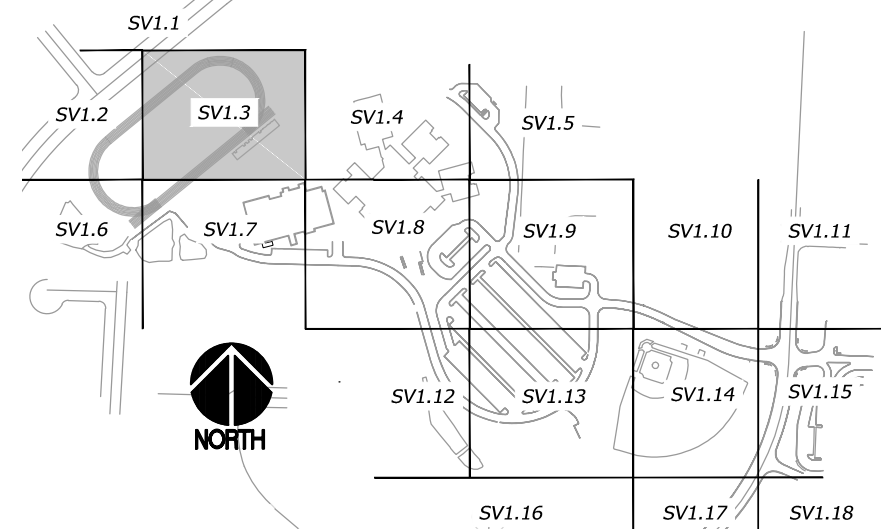


LEGEND

- FOUND MONUMENT AS NOTED
- ⊕ CALCULATED MONUMENT POSITION
- FOUND REBAR / IRON PIPE AS NOTED
- ⊕ SURVEY CONTROL POINT, AS NOTED
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- < STORM CULVERT
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- RIP-RAP SURFACE
- BRICK/PAVER SURFACE
- STEEL DECK SURFACE



REVISIONS

NO.	DESCRIPTION	DATE
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APPROVALS

DESIGNED	DRAWN	CHECKED	DATE
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SEAL

DATE	SCALE
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PREPARED FOR

**SUMNER-BONNEY LAKE
SCHOOL DISTRICT**
1202 WOOD AVENUE
SUMNER, WA 98390
(253)-891-6305

PROJECT

**BONNEY LAKE HIGH SCHOOL
BUILDING ADDITION TOPOGRAPHIC SURVEY**
BONNEY LAKE, WA 98391

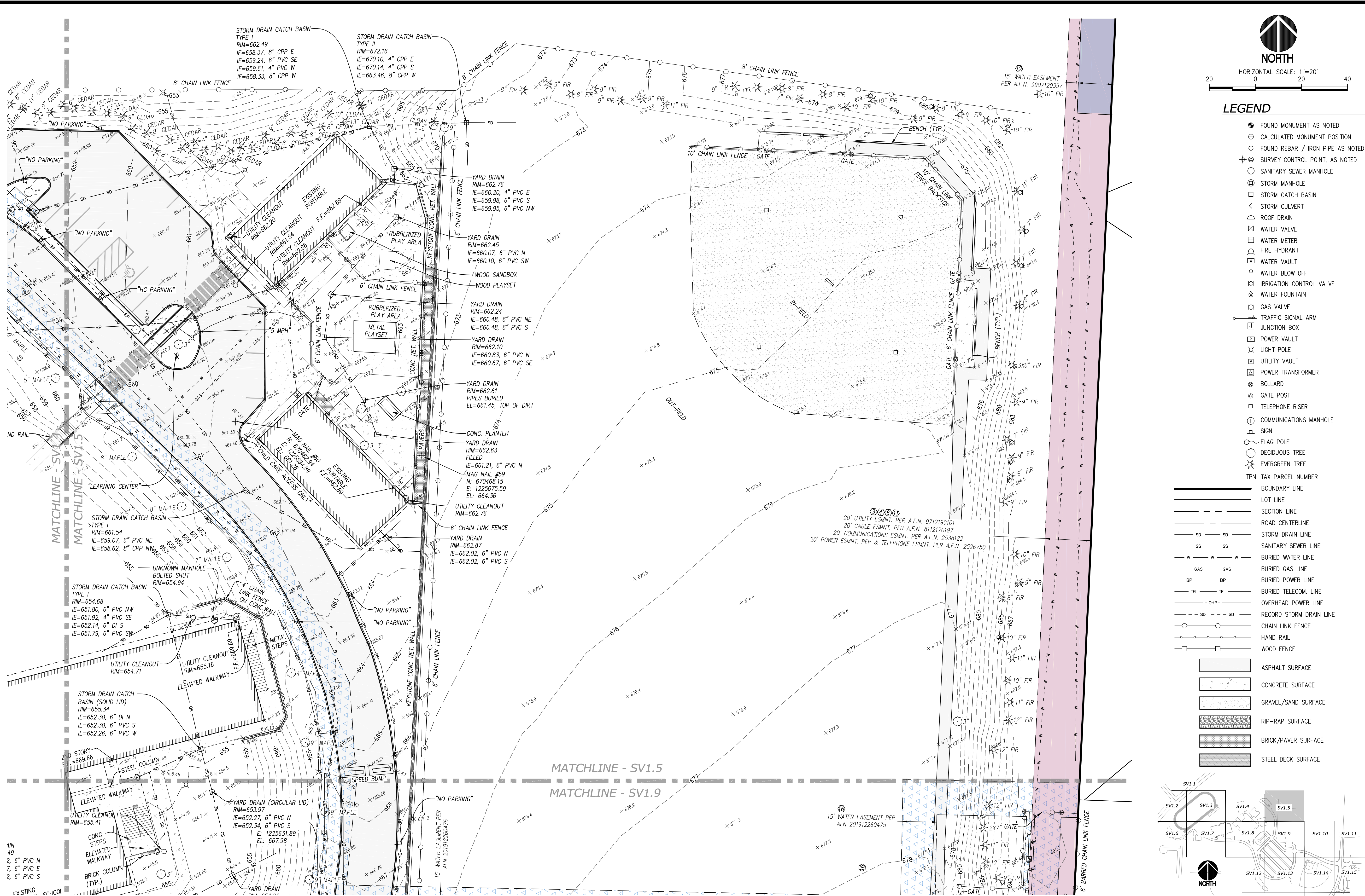
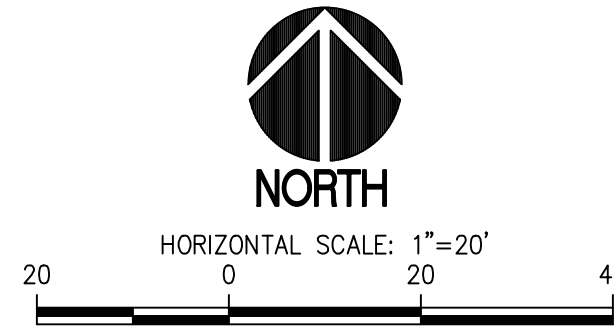
SHEET TITLE
TOPOGRAPHIC SURVEY

SHEET NO.
SV1.3

PROJECT NO.

20818

K: 2080120818 Drawings 20818 - SV1.5.dwg last edited: 07/26/26 11:58am by: schilling

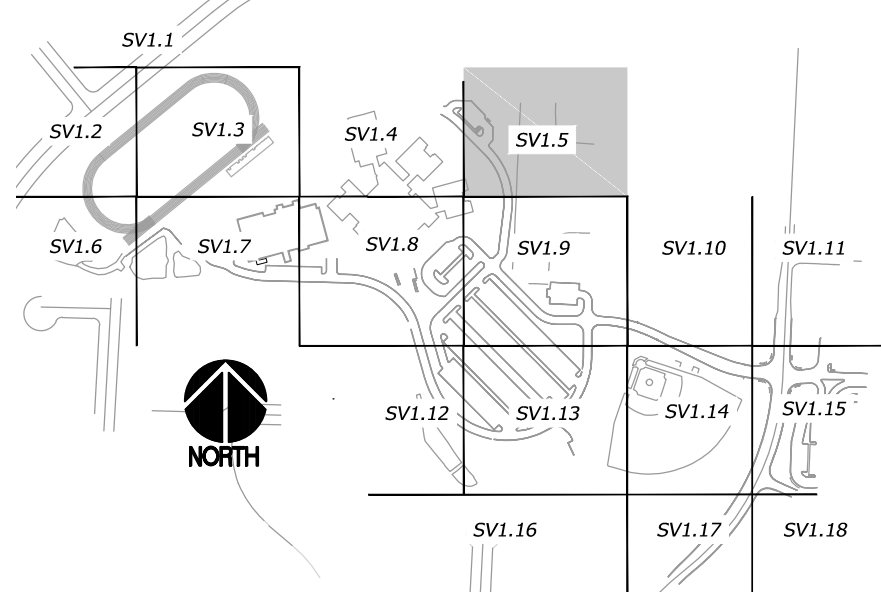


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REVISIONS
APPROVALS
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DRAWN
CHECKED
DATE
SCALE
AS NOTED



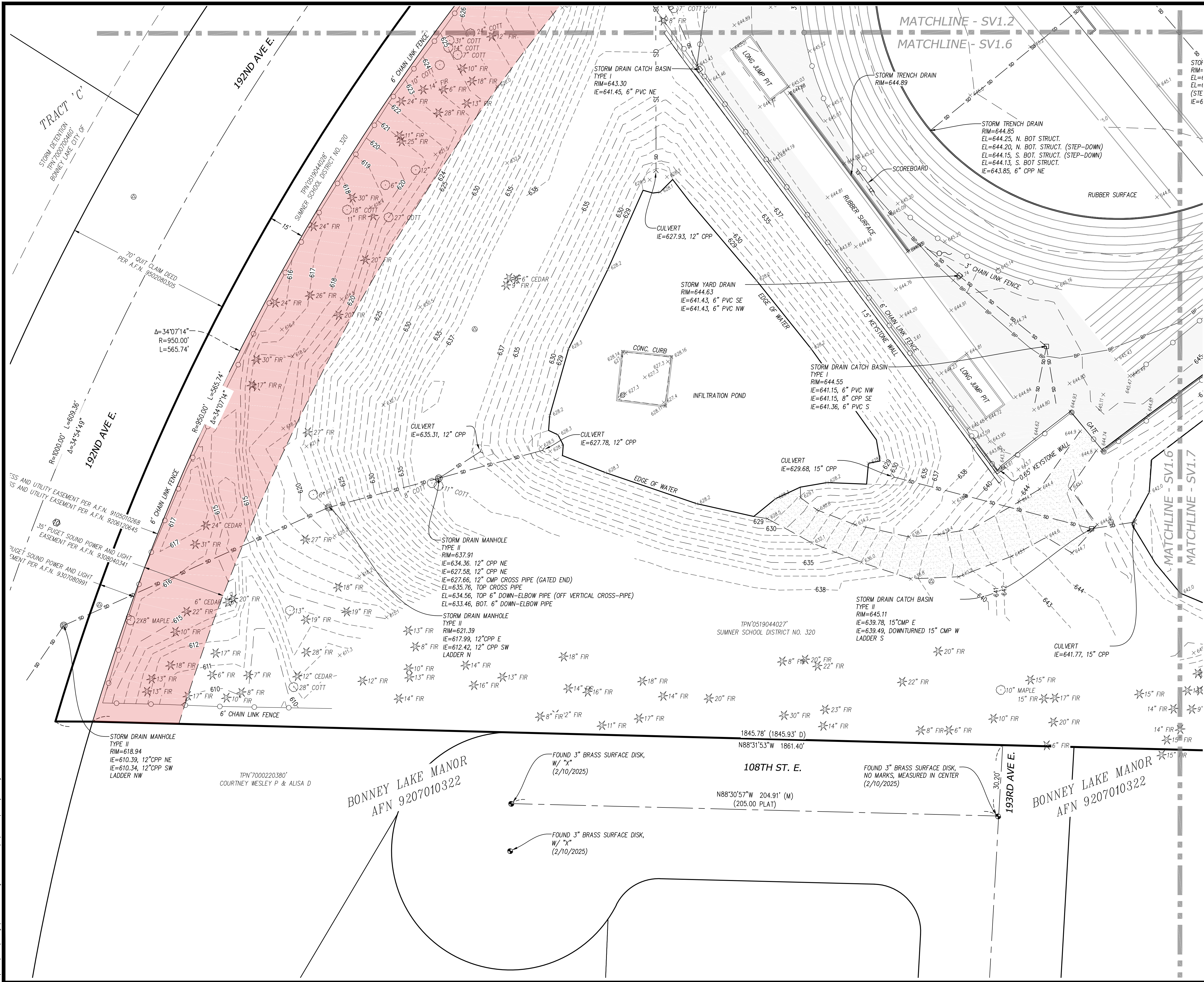
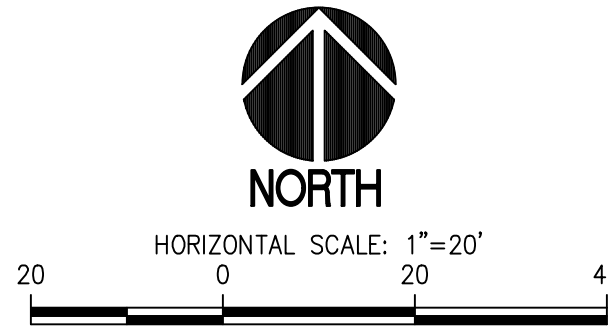
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BONNEY LAKE, WA 98391
SHEET TITLE
TOPOGRAPHIC SURVEY
SHEET NO.

SV1.5
PROJECT NO.
20818

k: 20801020816 Drawings 20818 - SV1.6.dwg last edited: 07/26/26 12:20pm by: schilling

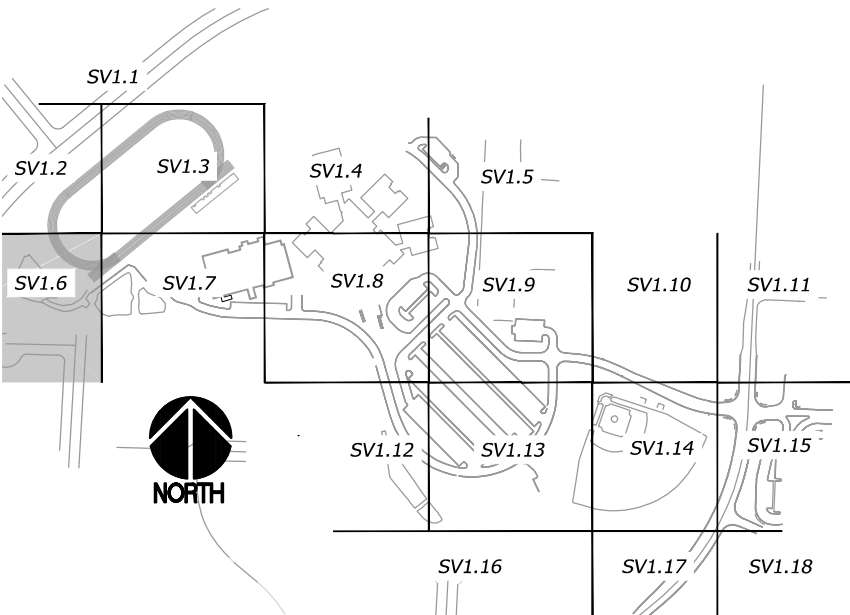


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- BRICK/PAVER SURFACE
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REVISIONS

PREPARED BY

PREPARED FOR

DESIGNED
DRAWN
CHECKED
DATE
SCALE

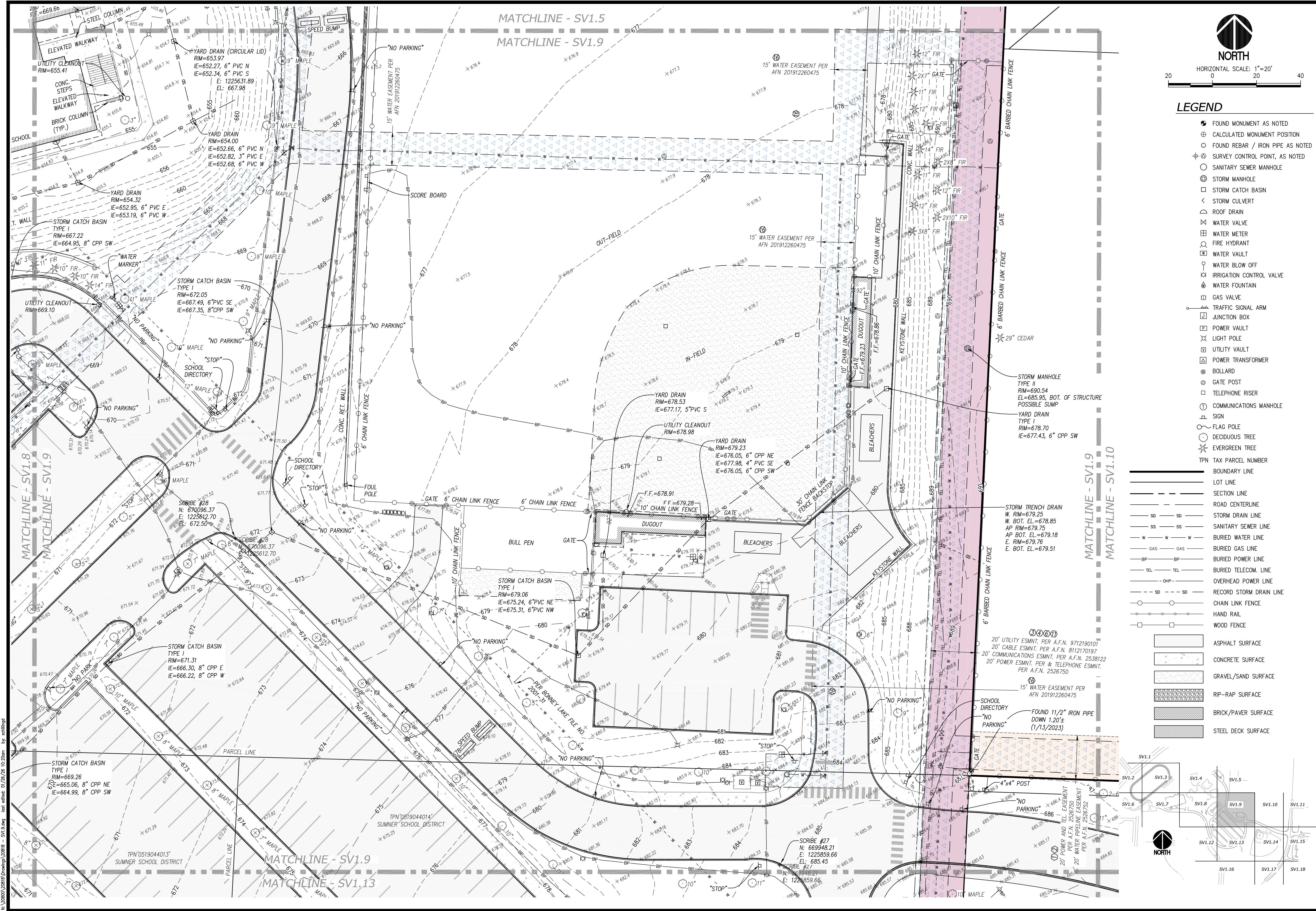
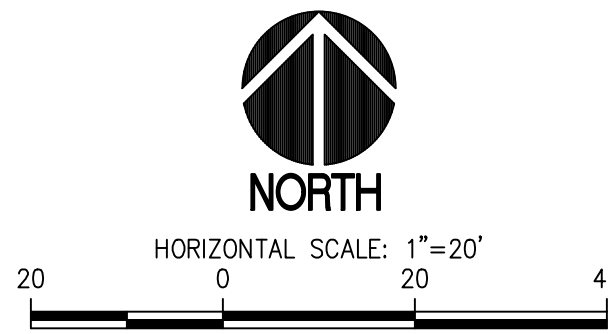


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(253)-891-6305

**BONNEY LAKE HIGH SCHOOL
BUILDING ADDITION TOPOGRAPHIC SURVEY**
SHEET TITLE
SHEET NO.

SV1.6
PROJECT NO.
20818



LEGEND

- FOUND MONUMENT AS NOTED
- CALCULATED MONUMENT POSITION
- FOUND REBAR / IRON PIPE AS NOTED
- SURVEY CONTROL POINT, AS NOTED
- SANITARY SEWER MANHOLE
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REVISIONS

APPROVALS

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DRAWN

CHECKED

DATE

SCALE

AS NOTED

DESIGNED

DRAWN

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SCALE

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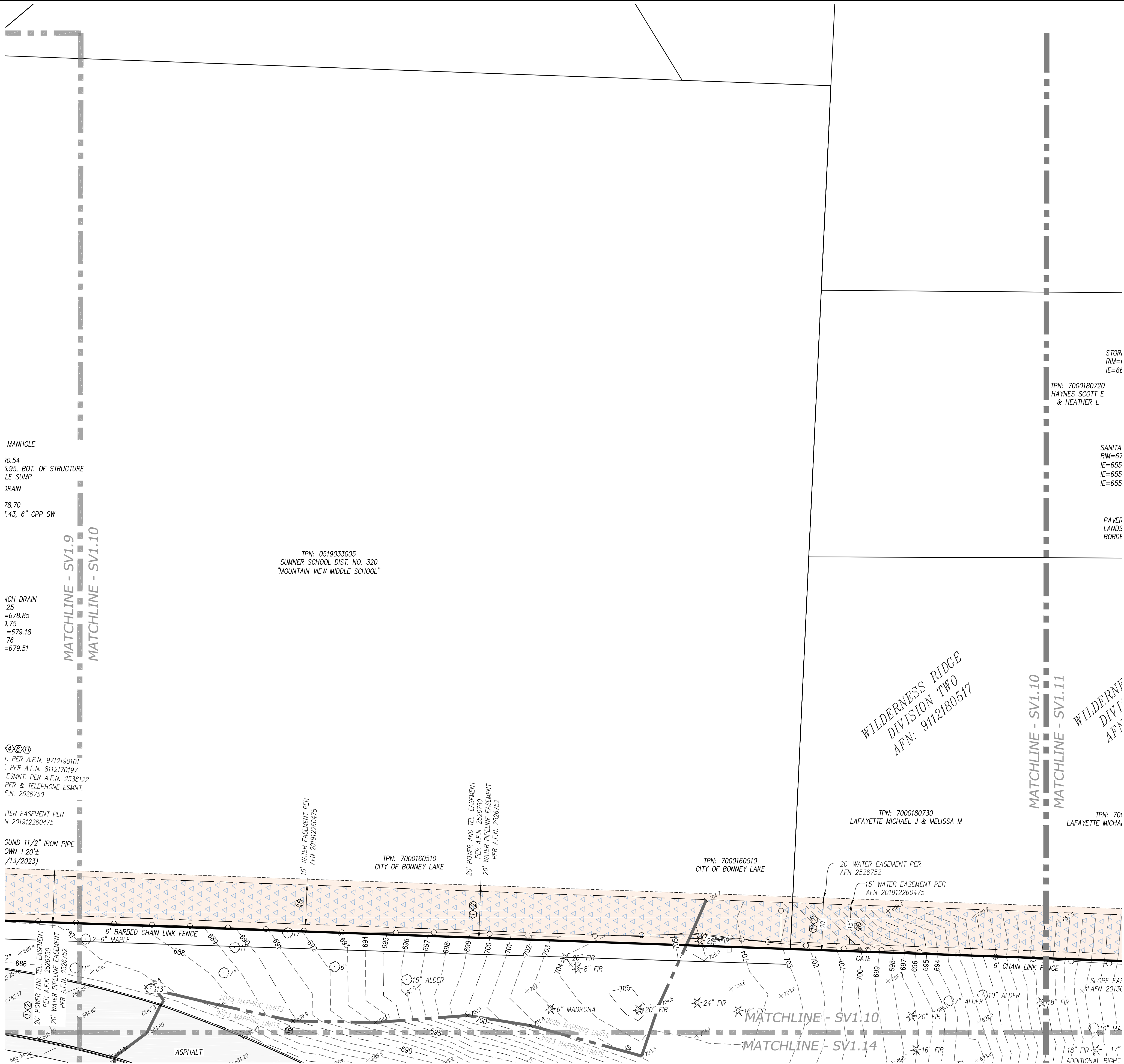
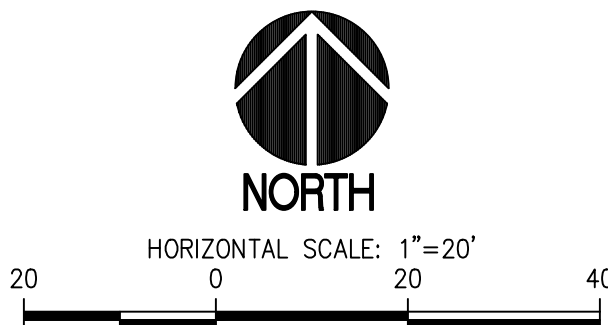
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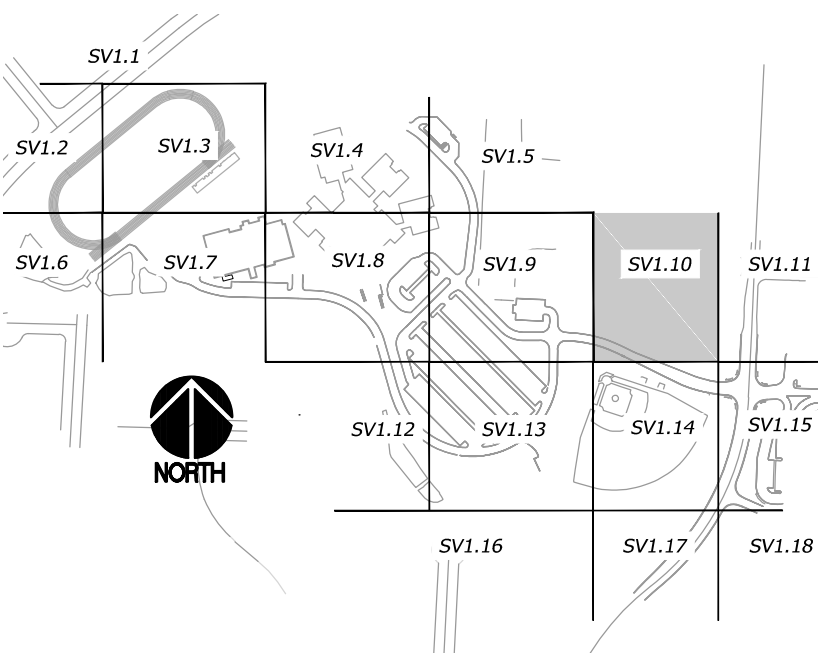


LEGEND

- FOUND MONUMENT AS NOTED
- ⊕ CALCULATED MONUMENT POSITION
- FOUND REBAR / IRON PIPE AS NOTED
- ⊕ ⊗ SURVEY CONTROL POINT, AS NOTED
- SANITARY SEWER MANHOLE
- ⊗ STORM MANHOLE
- STORM CATCH BASIN
- < STORM CULVERT
- ⤵ ROOF DRAIN
- ⊗ WATER VALVE
- ⊗ WATER METER
- ⊗ FIRE HYDRANT
- ⊗ WATER VAULT
- ⊗ WATER BLOW OFF
- ⊗ IRRIGATION CONTROL VALVE
- ⊗ WATER FOUNTAIN
- ⊗ GAS VALVE
- ⊗ TRAFFIC SIGNAL ARM
- ⊗ JUNCTION BOX
- ⊗ POWER VAULT
- ⊗ LIGHT POLE
- ⊗ UTILITY VAULT
- ⊗ POWER TRANSFORMER
- ⊗ BOLLARD
- ⊗ GATE POST
- TELEPHONE RISER
- ⊗ COMMUNICATIONS MANHOLE
- ⊗ SIGN
- ⊗ FLAG POLE
- ⊗ DECIDUOUS TREE
- ⊗ EVERGREEN TREE
- TPN TAX PARCEL NUMBER

- BOUNDARY LINE
- LOT LINE
- SECTION LINE
- ROAD CENTERLINE
- SD — SD — STORM DRAIN LINE
- SS — SS — SANITARY SEWER LINE
- W — W — BURIED WATER LINE
- GAS — GAS — BURIED GAS LINE
- BP — BP — BURIED POWER LINE
- TEL — TEL — BURIED TELECOM. LINE
- OHP — OHP — OVERHEAD POWER LINE
- SD — SD — RECORD STORM DRAIN LINE
- CHAIN LINK FENCE
- HAND RAIL
- WOOD FENCE

- ASPHALT SURFACE
- CONCRETE SURFACE
- GRAVEL/SAND SURFACE
- RIP-RAP SURFACE
- BRICK/PAVER SURFACE
- STEEL DECK SURFACE



REVISIONS

APPROVALS

SEAL

PREPARED BY

PROJECT

DESIGNED	---
DRAWN	KFO
CHECKED	DMS/STT
DATE	01/14/2025
SCALE	AS NOTED

DESIGNED	---
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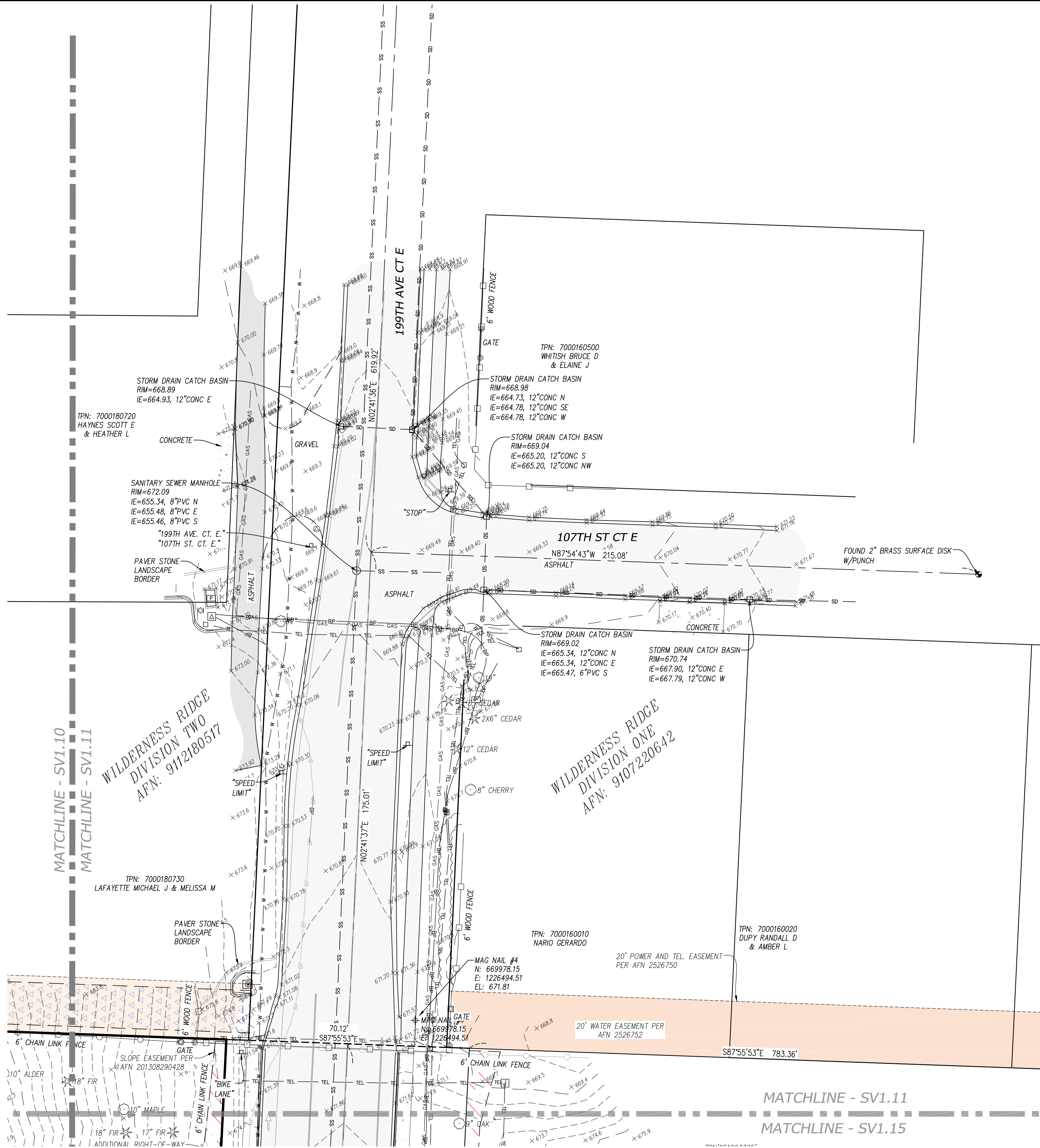
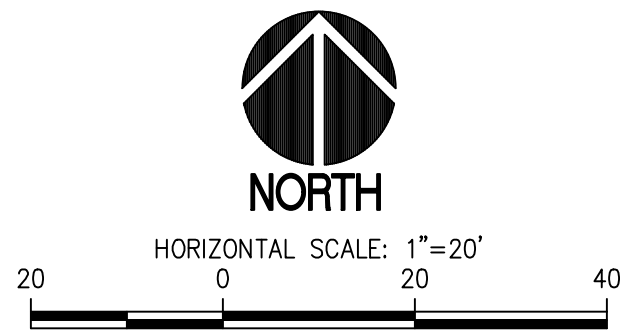
SUMNER-BONNEY LAKE HIGH SCHOOL
SCHOOL DISTRICT
1202 WOOD AVENUE
SUMNER, WA 98390
(253)-891-6305

BONNEY LAKE HIGH SCHOOL
BUILDING ADDITION TOPOGRAPHIC SURVEY
BONNEY LAKE, WA 98391
SHEET TITLE
TOPOGRAPHIC SURVEY

SV1.10

PROJECT NO.

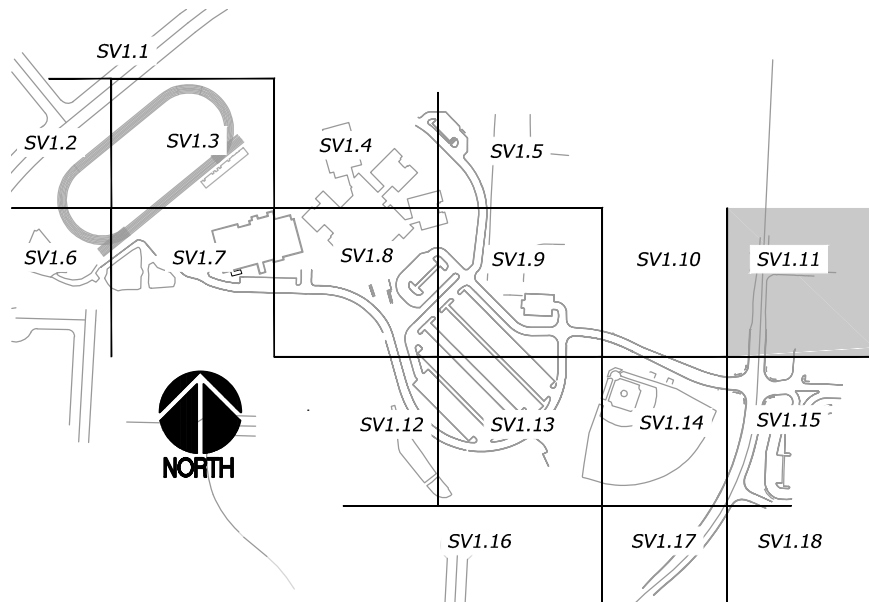
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REVISIONS

APPROVALS

SEAL

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CHECKED	DMS/STT
DATE	01/14/2025
SCALE	AS NOTED

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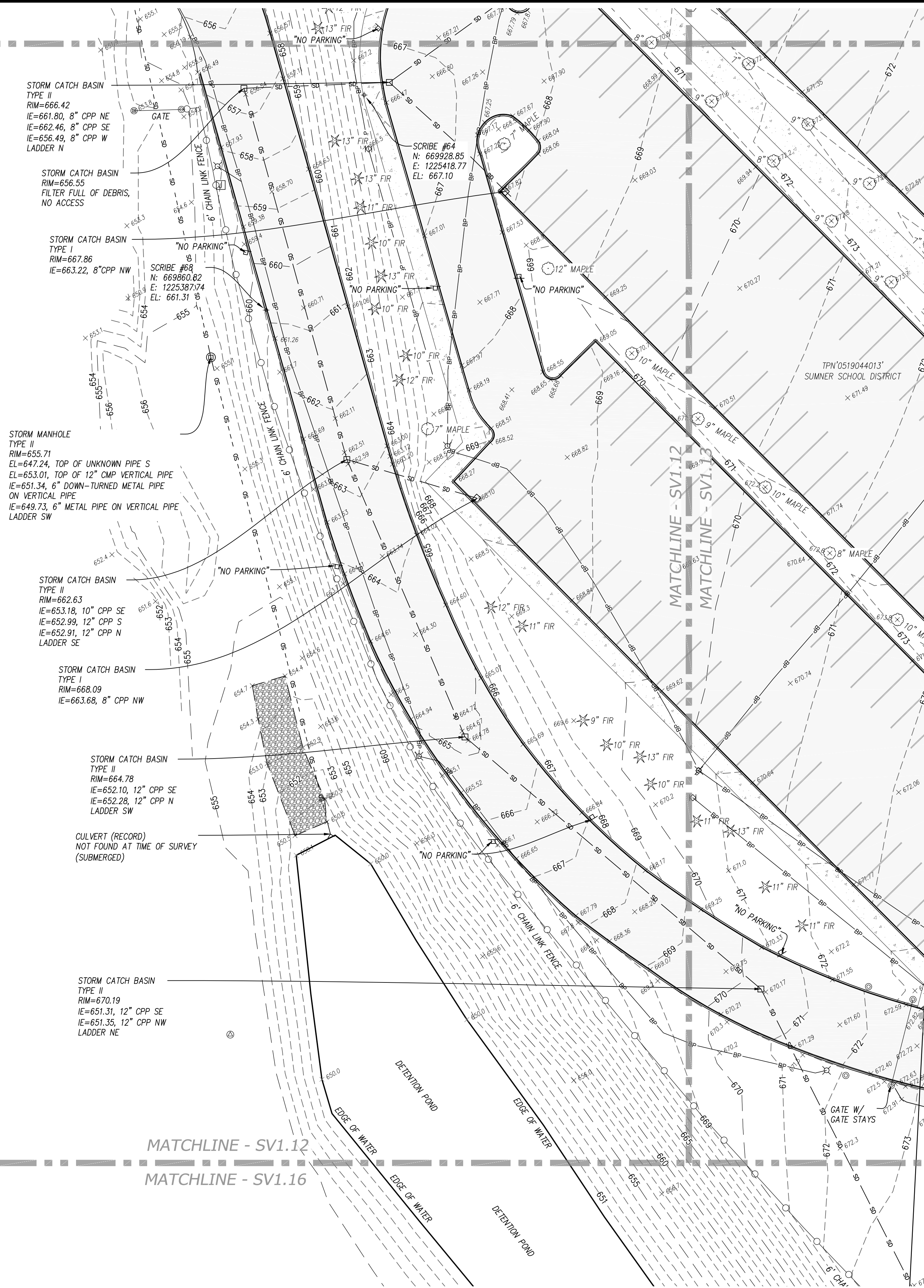
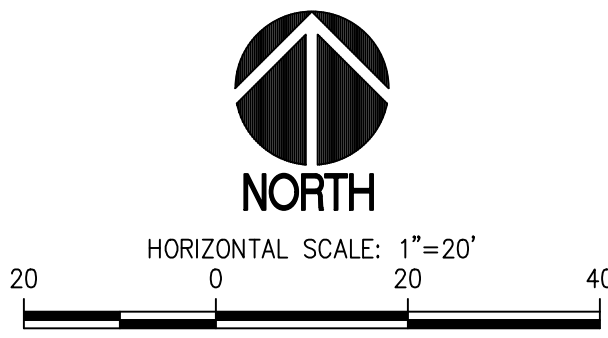
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**BONNEY LAKE HIGH SCHOOL
BUILDING ADDITION TOPOGRAPHIC SURVEY**
BONNEY LAKE, WA 98391
SHEET TITLE
TOPOGRAPHIC SURVEY
SHEET NO.

SV1.11
PROJECT NO.
20818

MATCHLINE - SV1.8
MATCHLINE - SV1.12

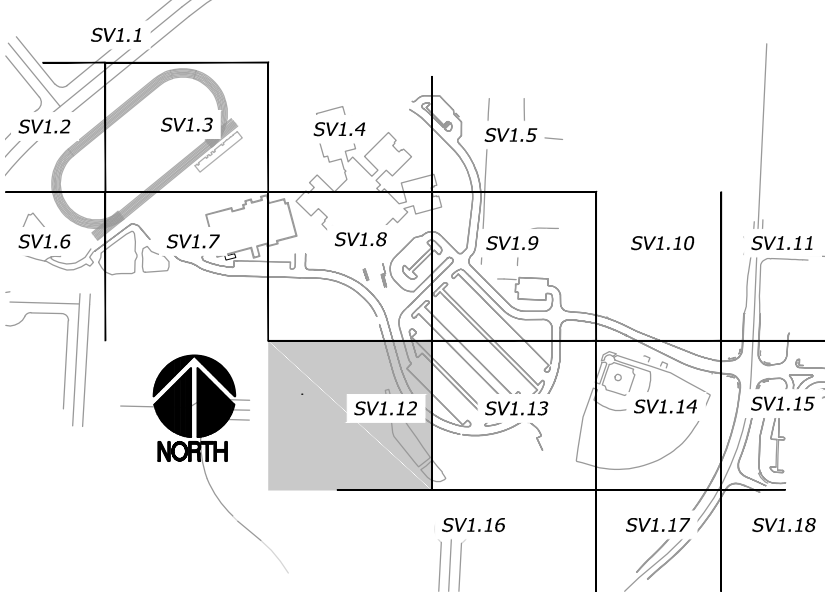
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BOYCE EARL G & DEBORAH J



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REVISIONS

DESIGNED	DRAWN	CHECKED	DATE	SCALE
---	KFO	DMS/STT	01/14/2025	AS NOTED



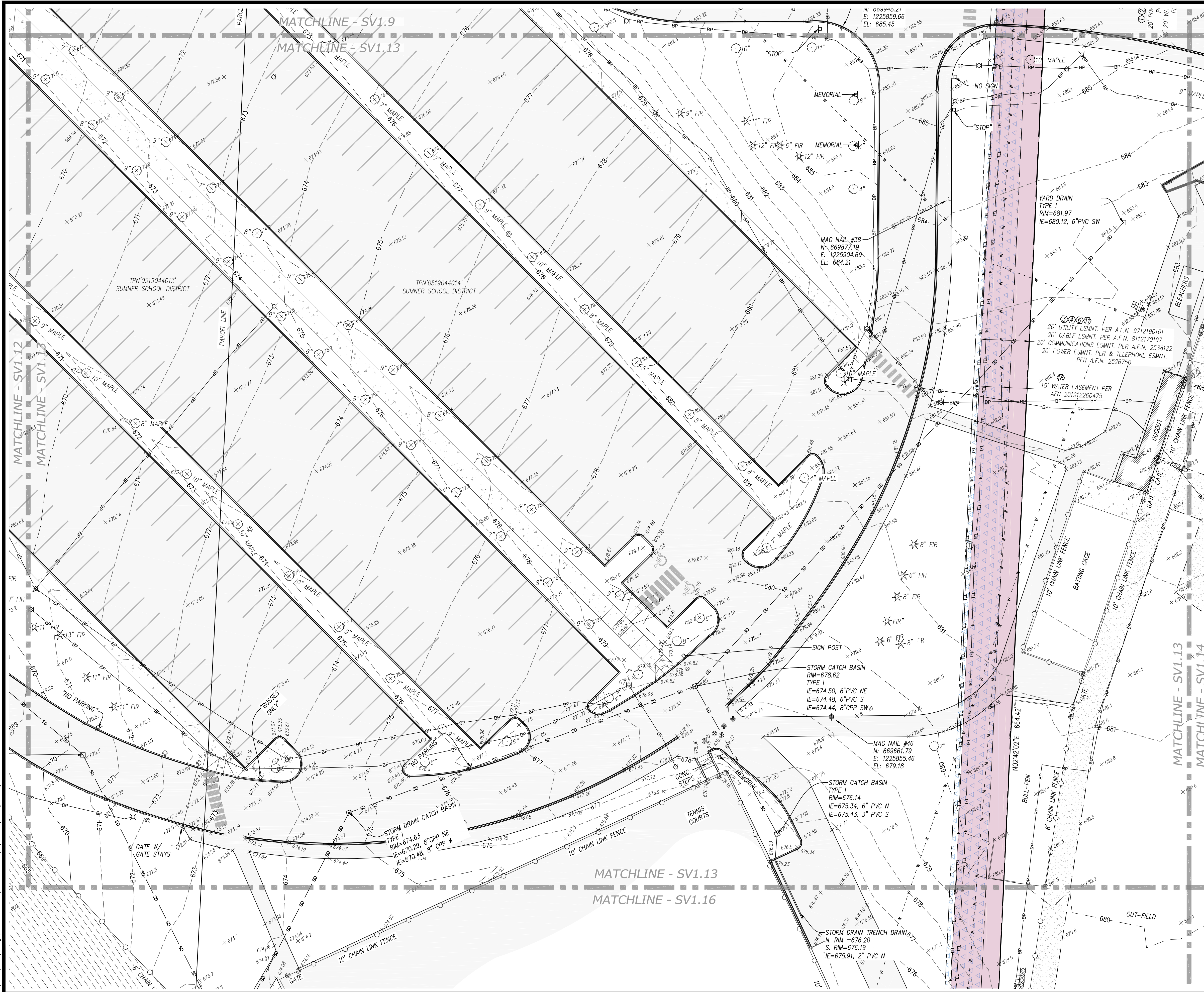
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BUILDING ADDITION TOPOGRAPHIC SURVEY**
BONNEY LAKE, WA 98391
SHEET TITLE
TOPOGRAPHIC SURVEY
SHEET NO.

SV1.12
PROJECT NO.
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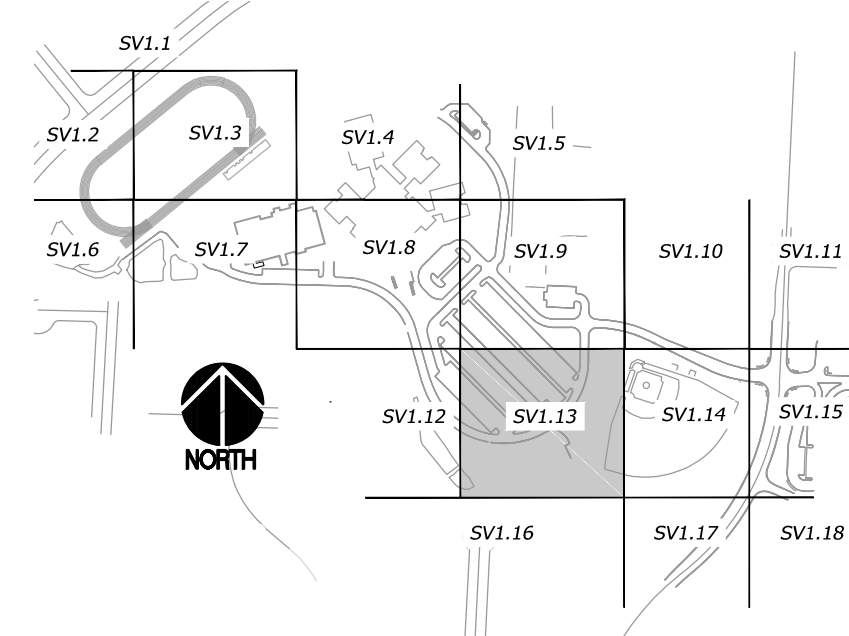
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REVISIONS

APPROVALS

SEAL

PREPARED BY

PREPARED FOR

PROJECT

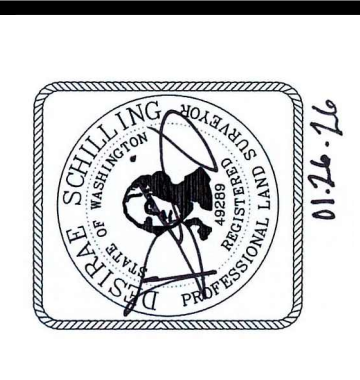
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DATE	01/14/2025
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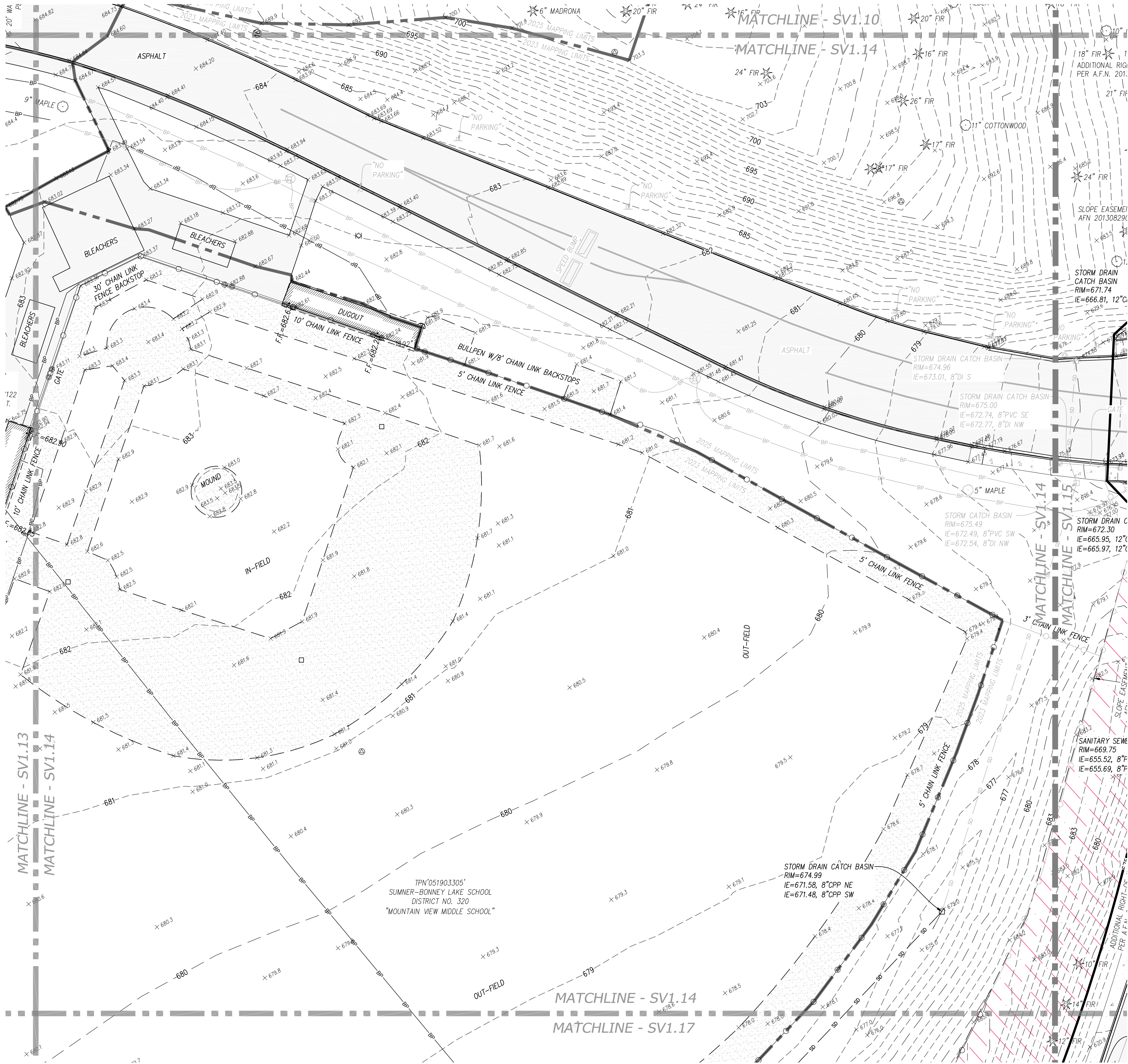
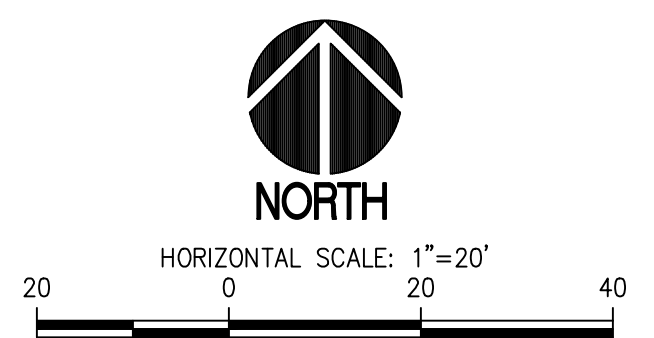
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BONNEY LAKE HIGH SCHOOL
BUILDING ADDITION TOPOGRAPHIC SURVEY
BONNEY LAKE, WA 98391

SV1.13
PROJECT NO.
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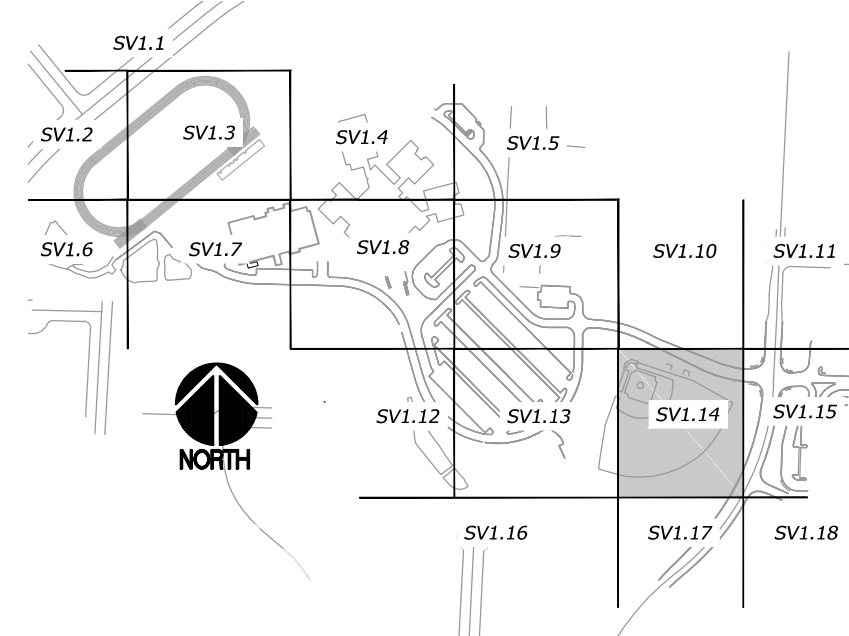
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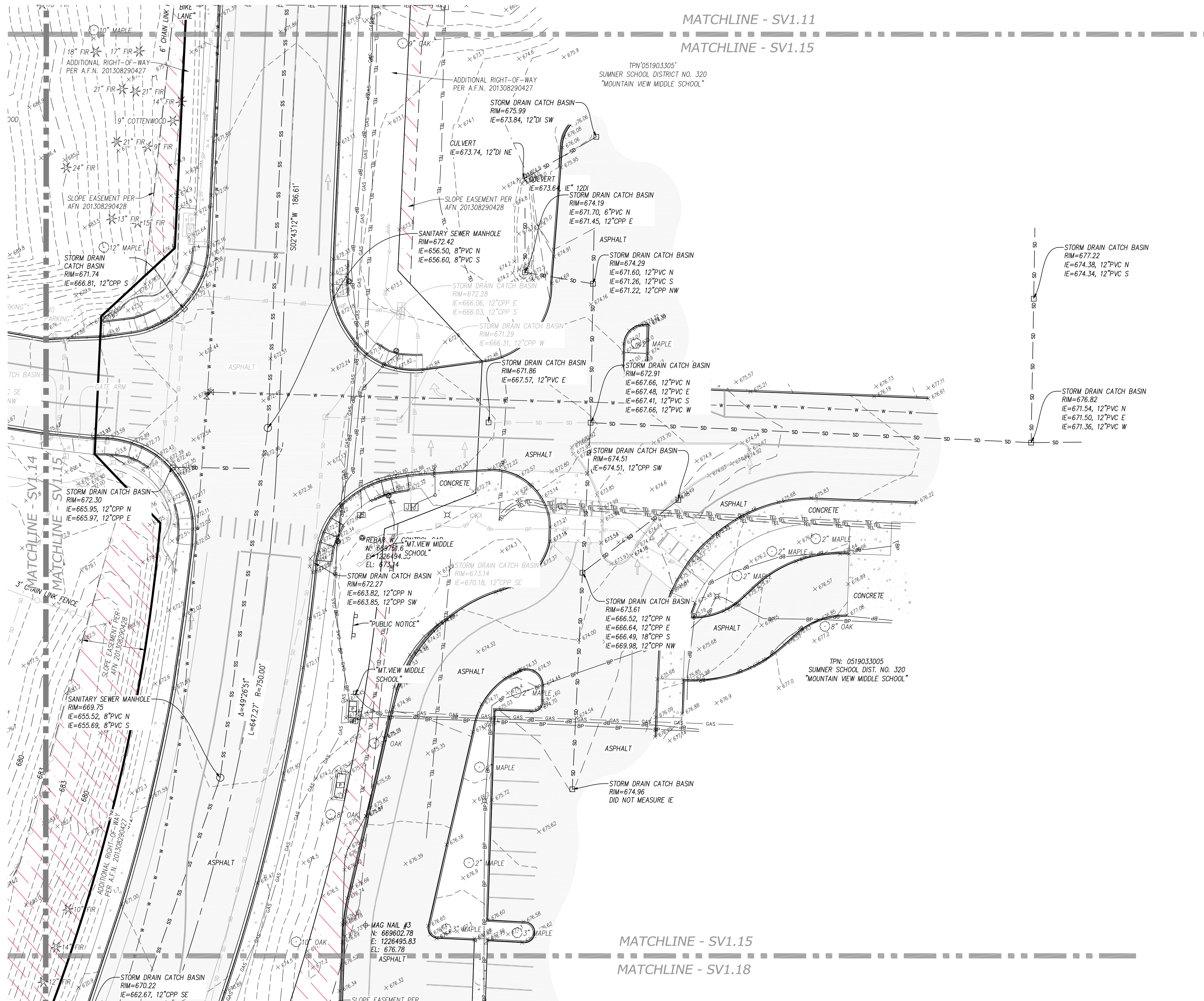
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BONNEY LAKE HIGH SCHOOL
BUILDING ADDITION TOPOGRAPHIC SURVEY
BONNEY LAKE, WA 98391
SHEET TITLE
SHEET NO.
PROJECT NO.
SV1.14
20818



HORIZONTAL SCALE: 1"=20'

LEGEND



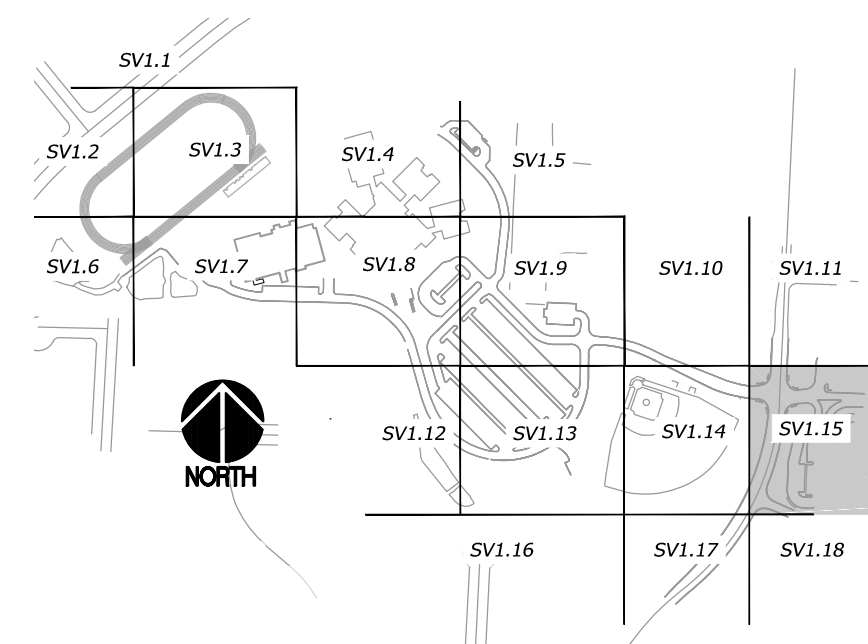
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SCHOOL DISTRICT**

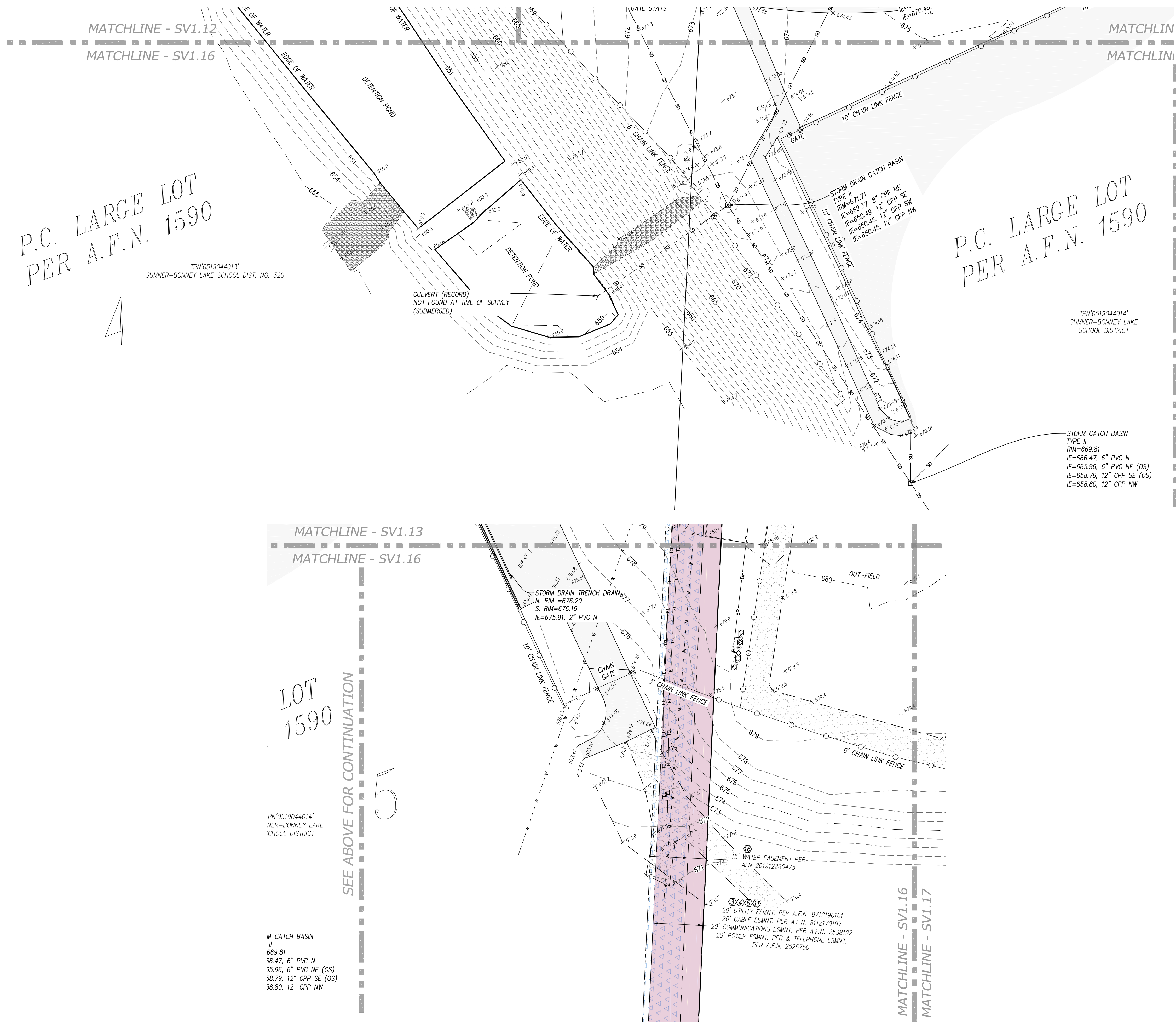
PROJECT
BONNEY LAKE HIGH SCHOOL
BUILDING ADDITION TOPOGRAPHIC SURVEY
BONNEY LAKE, WA 98391

SV1.15

20818



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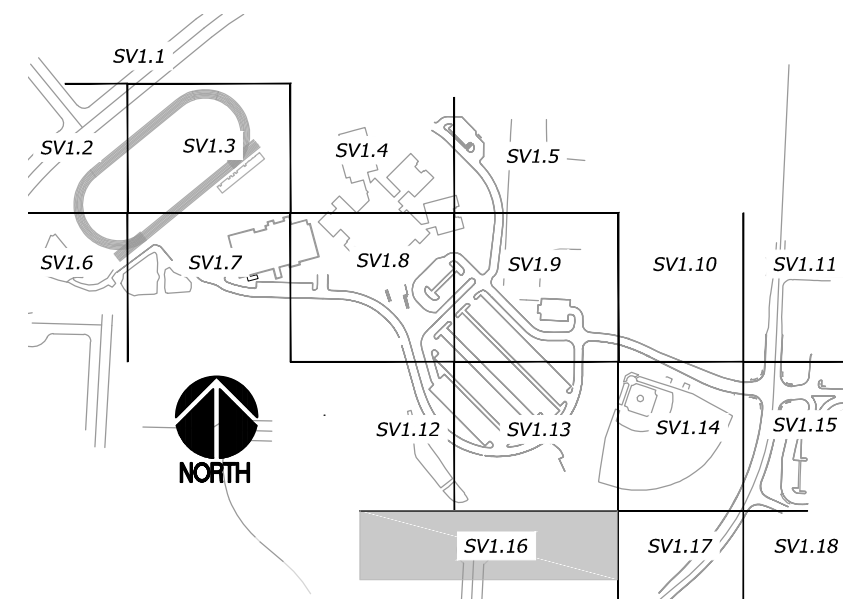
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PREPARED FOR

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SHEET NO.

PROJECT NO.

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DATE	01/14/2025
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BONNEY LAKE, WA 98391

1202 WOOD AVENUE

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(253)-891-6305

BONNEY LAKE HIGH SCHOOL

BUILDING ADDITION TOPOGRAPHIC SURVEY

BONNEY LAKE, WA 98391

1202 WOOD AVENUE

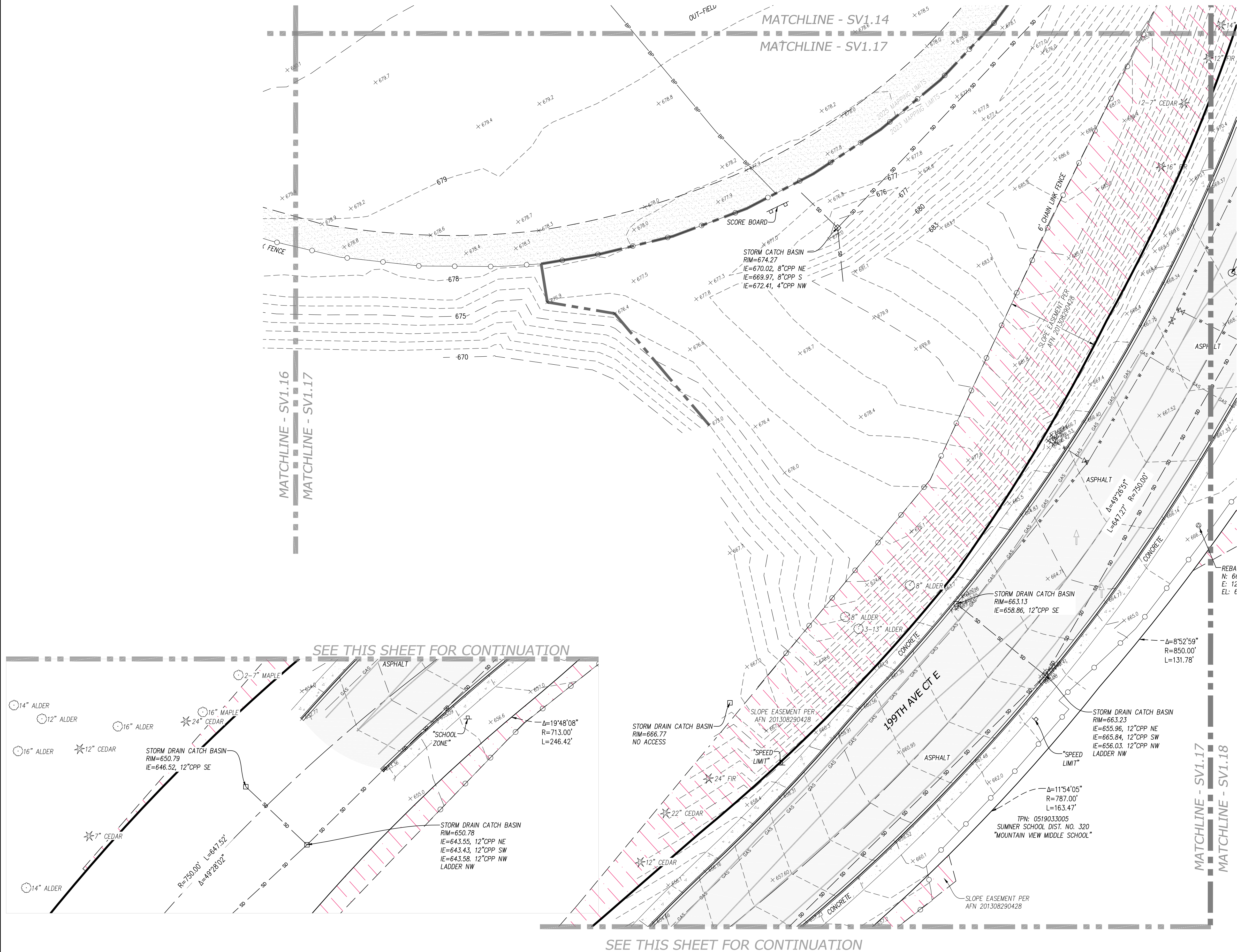
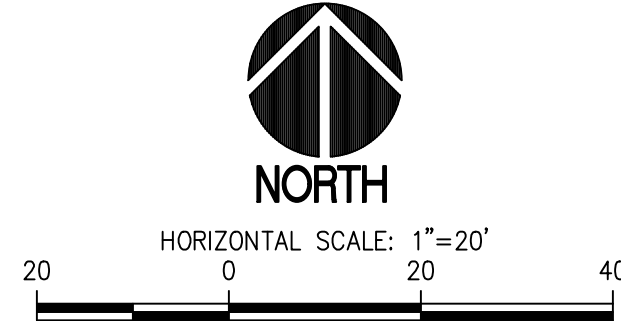
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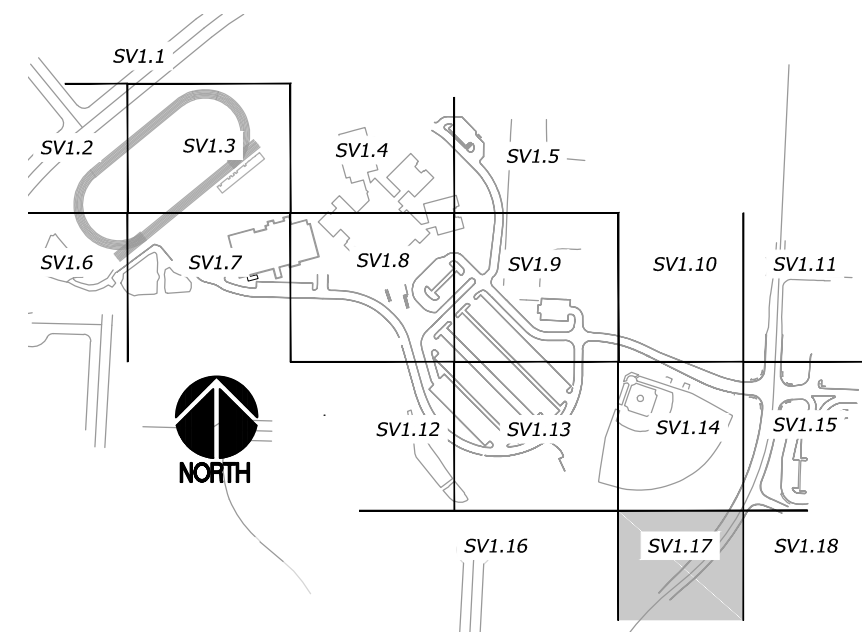
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- RIP-RAP SURFACE
- BRICK/PAVER SURFACE
- STEEL DECK SURFACE



REVISIONS
APPROVALS
DESIGNED
DRAWN
CHECKED
DATE
SCALE
AS NOTED



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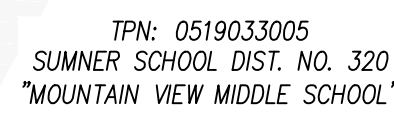
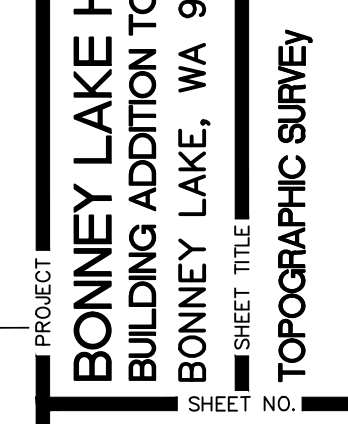
PREPARED FOR
**SUMNER-BONNEY LAKE
SCHOOL DISTRICT**
1202 WOOD AVENUE
SUMNER, WA 98390
(253)-891-6305

PROJECT
**BONNEY LAKE HIGH SCHOOL
BUILDING ADDITION TOPOGRAPHIC SURVEY**
BONNEY LAKE, WA 98391
SHEET TITLE
TOPOGRAPHIC SURVEY
SHEET NO.

SV1.17

PROJECT NO.

20818



- TPN TAX PARCEL NUMBER

- | | |
|---|---------------------|
|  | ASPHALT SURFACE |
|  | CONCRETE SURFACE |
|  | GRAVEL/SAND SURFACE |
|  | RIP-RAP SURFACE |
|  | BRICK/PAVER SURFACE |
|  | STEEL DECK SURFACE |



LEGEND

- | | |
|-----|---------------------------------------|
| --- | EXISTING RIGHT-OF-WAY / PROPERTY LINE |
| == | PROPOSED RIGHT-OF-WAY |
| --- | ALIGNMENT CENTERLINE |
| ⊕ | CONTROL POINT (CP) |
| AP | ANGLE POINT |
| PC | POINT OF CURVATURE |
| PCC | POINT OF COMPOUND CURVATURE |
| PT | POINT OF TANGENCY |

BLHS-MVMS ALIGNMENT

LINE TABLE		
LINE #	LENGTH	BEARING
L100	210.01	S68° 48' 29.89"E
L101	145.50	S87° 56' 58.43"E

CURVE #	RADIUS	LENGTH	BEARING
C100	355.00'	122.73	S78° 42' 45.03"E
C101	300.00'	63.94	S74° 54' 52.30"E
C102	125.00'	54.54	S73° 04' 38.92"E
C103	200.00'	125.33	S78° 31' 51.44"E
C104	300.00'	44.68	N87° 47' 00.54"E

199TH AVE CT E ALIGNMENT

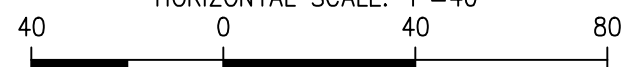
LINE TABLE		
LINE #	LENGTH	BEARING
L102	196.86	N2° 41' 37.00"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	BEARING
C105	750.00'	418.12	N36° 11' 47.71"E
C106	300.00'	122.76	N8° 30' 10.59"E
C107	500.00'	167.13	N6° 21' 22.19"E
C108	450.00'	103.97	N9° 18' 46.30"E

CONTROL POINT (CP) TABLE				
CP #	ELEVATION	NORTHING	EASTING	DESCRIPTION
1	673.14	669751.68	1226494.55	RCC
2	666.59	669392.72	1226367.92	RCC
3	676.78	669602.78	1226495.83	MAG
4	671.81	669978.15	1226494.51	MAG
5	696.23	669884.91	1226317.18	HT
6	703.08	669938.94	1226213.54	HT
7	669.67	670152.08	1226459.64	HT
10	612.78	668660.64	1225883.12	MON
11	675.38	670136.03	1226693.81	MON
12	662.92	670763.10	1226508.00	MON
17	685.80	669989.69	1225945.81	IP
27	685.45	669948.21	1225859.66	SCRIBE
28	672.50	670096.37	1225612.70	SCRIBE
38	684.21	669877.19	1225904.69	MAG
48	680.86	669685.80	1226122.02	HT



HORIZONTAL SCALE: 1"=40'



APPROVED _____
BY _____
CITY OF BONNEY LAKE
CITY ENGINEER, PE

DATE _____

Plans meet current
Development Policies and
Public Works Design Standards.

REVISIONS

APPROVALS

EAL

REPAIRED BY

PREPARED FOR

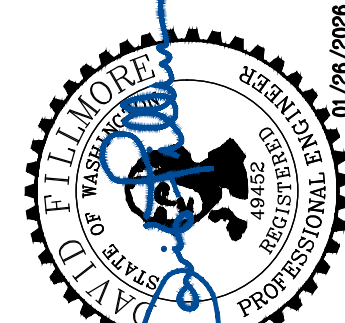
PROJECT

L

H

1

DESIGNED	DDF
DRAWN	KNL
CHECKED	DDF
DATE	11/01/2025
SCALE	AS NOTED



sh **sitts & hill**

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**SUMNER-BONNEY LAKE
SCHOOL DISTRICT**
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

**SUMMER-BONNEY LAKE SCHOOL
DISTRICT – NEW ROUNDABOUT
BONNEY LAKE, WA 98391**

SHEET TITLE

**HORIZONTAL ALIGNMENT AND
ROW PLAN**

C1.00

PROJECT NO. 08-769

20931

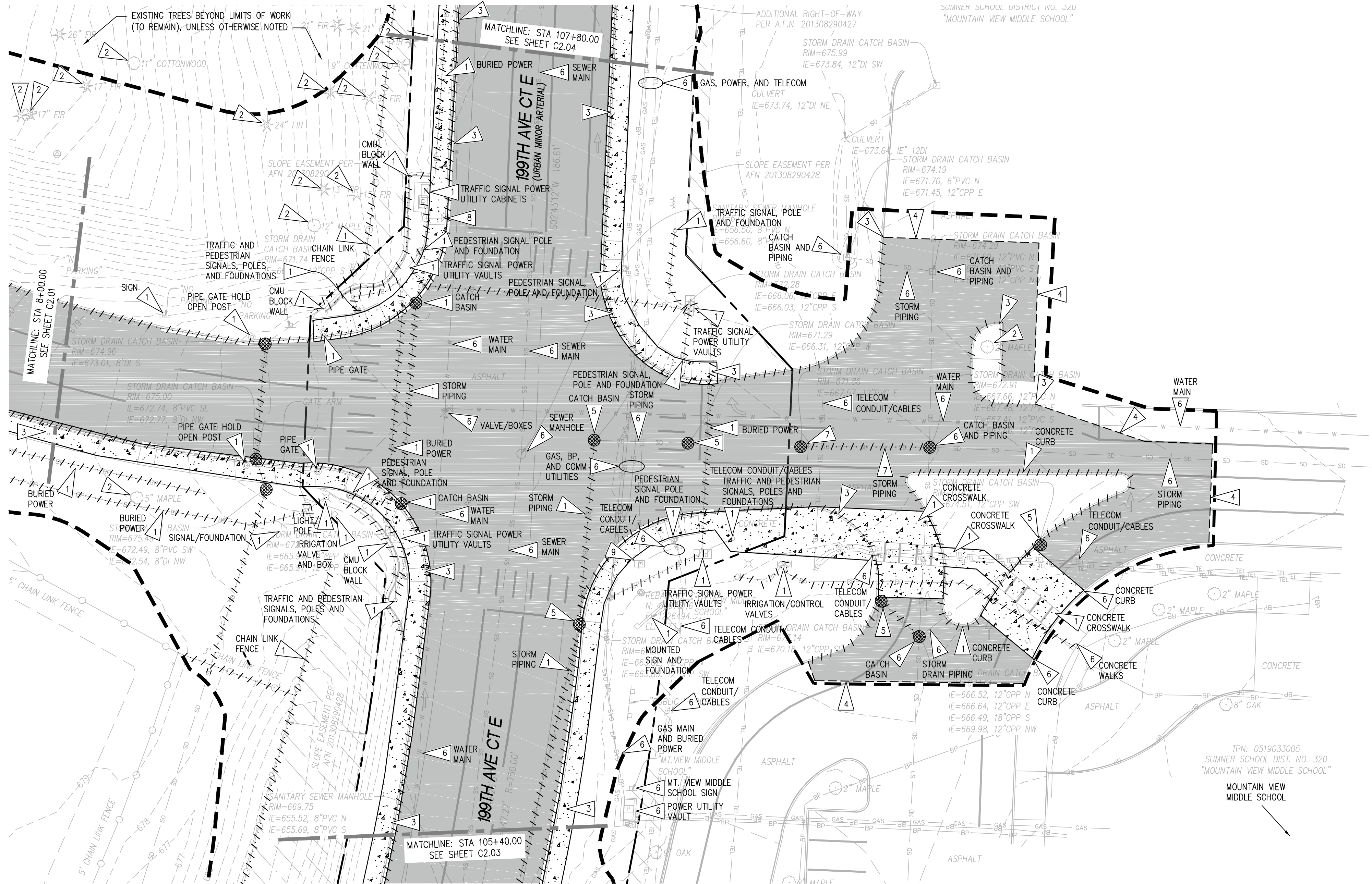


APPROVED

BY _____
CITY OF BONNEY LAKE
CITY ENGINEER, PE

DATE _____

Plans meet current
Development Policies and
Public Works Design Standards.



DEMOLITION AND TESC PLAN

SCALE: 1"=20'

HORIZONTAL DATUM

WASHINGTON STATE PLANE, COORDINATE SYSTEM, SOUTH ZONE, NAD 83/2011
BASED ON GPS OBSERVATION UTILIZING THE WASHINGTON STATE REFERENCE
NETWORK (WSRN)

MEASURED NORTH 02°41'36" EAST BETWEEN TWO FOUND MONUMENTS ALONG
119TH AVE. CT. E.

VERTICAL DATUM

NAVD 88
BASED ON GPS OBSERVATION UTILIZING THE WSRN WITH
NGS GEOID18 LOADED

TEMPORARY BENCHMARK #1
ELEVATION = 653.63'
DESCRIPTION: SCRIBE #63, IN CONCRETE,
17.6± N.W. OF GRASS COURTYARD

TEMPORARY BENCHMARK #2
ELEVATION = 654.04'
DESCRIPTION: SCRIBE #52, IN CONCRETE,
11.5± WEST OF THE NW CORNER OF A UTILITY RAMP

LEGEND

PROPOSED FEATURES-

- CLEARING/GRADING LIMITS
- SILT FENCE
- CATCH BASIN PROTECTION
- ASPHALT PAVEMENT REMOVAL
- DEMOLISH FEATURE AS NOTED
- SAWCUT LINE
- CONCRETE REMOVAL

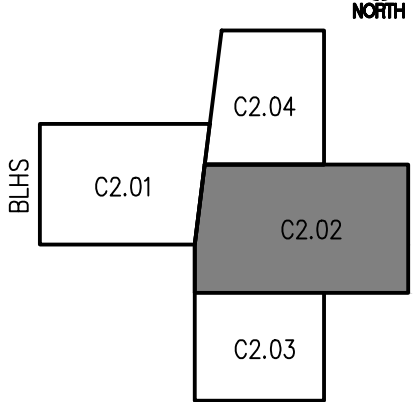
GENERAL NOTES

- SEE SHEET C0.01 FOR PROJECT NOTES AND REQUIREMENTS.
- EXISTING UTILITIES HAVE BEEN SHOWN IN THEIR APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES AND DOCUMENTING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE AT 811 AND THEN POT-HOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS AND UTILITY CONNECTIONS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT SITTS & HILL ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- EXISTING PAVED SURFACES SHALL BE SWEEPED DAILY OR AS NEEDED. THE INTENT IS TO PREVENT DIRT OR DEBRIS ON CONSTRUCTION VEHICLES AND EQUIPMENT FROM BEING DEPOSITED ON EXISTING ADJACENT PAVEMENT WITHIN THE RIGHT-OF-WAY AND FROM ENTERING PUBLIC STORM DRAINS.
- CONTRACTOR TO PROTECT EXISTING FEATURES BEYOND THE LIMITS OF WORK AND REPAIR OR REPLACE (IN-KIND WITH EXISTING, OR BETTER).
- INSTALL CATCH BASIN PROTECTION PER DETAIL 01 ON SHEET C2.05 AT NEW CATCH BASINS AS THEY ARE INSTALLED.
- ALL ASPHALT WITHIN BOTH THE PROJECT LIMITS AND SAWCUT LINES SHALL BE GROUND THE FULL DEPTH.
- ALL EXISTING CATCH BASINS WITHIN PROJECT LIMITS SHALL BE ADJUSTED TO FINISHED GRADE, RELOCATED TO NEW CURB LINE AND/OR GRATE REPLACED AS NOTED ON THE C3.X SERIES.
- CONTRACTOR TO INSTALL TEMPORARY FENCING AROUND WORK AREA, AS NECESSARY TO MAINTAIN A SECURE SITE, AND SHALL COVER TRENCHES WITH STEEL PLATES WHEN LEFT OPEN AND UNSUPERVISED.
- FOR ALL DISTURBED AREAS TO REMAIN PERVIOUS (LANDSCAPE/GRASS), THE CONTRACTOR SHALL AMEND SOILS IN ACCORDANCE WITH BMP 15.13. REFERENCE LANDSCAPE PLANS.
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITTS & HILL ENGINEERS, INC. SEE SURVEY SHEETS INCLUDED WITH THIS PLAN SET FOR ADDITIONAL INFORMATION, INCLUDING HORIZONTAL AND VERTICAL DATUM.
- SEE LANDSCAPE PLANS FOR TREE PROTECTION AND TREE RESTORATION PLANS. SEE LANDSCAPE PLANS FOR ALL IRRIGATION RELATED ITEMS TO BE DEMOLISHED OR ABANDONED. THE CONTRACTOR SHALL USE CAUTION NOT TO DISTURB EXISTING TREE ROOTS WHEN REMOVING EXISTING FEATURES.

KEY NOTES

- DEMOLISH AND REMOVE EXISTING FEATURE NOTED.
- REMOVE EXISTING TREE, STUMP, AND ROOTS. REFERENCE SURVEY SHEETS FOR SIZE, BACKFILL WITH STRUCTURAL FILL AND COMPACT TO 95% MAXIMUM DENSITY.
- REMOVE EXISTING CURB, GUTTER, AND/OR SIDEWALK. DO NOT SAWCUT EXISTING CONCRETE, REMOVAL IS TO NEAREST EXISTING JOINT.
- SAWCUT EXISTING ASPHALT PAVEMENT TO SMOOTH, VERTICAL, UNYIELDING EDGE.
- EXISTING CATCH BASIN TO BE REMOVED. COORDINATE INSTALLATION OF NEW CATCH BASIN WITH THE PROPOSED IMPROVEMENTS.
- PROTECT EXISTING FEATURE NOTED.
- PROTECT EXISTING TREE PER TREE PROTECTION DETAILS (SEE LANDSCAPE PLANS)
- REMOVE EXISTING FIRE HYDRANT AND 6" PIPING. CAP WITH BLIND FLANGE AT EXISTING GATE VALVE. CLOSE VALVE AND REMOVE EXISTING VALVE STEM, RISER AND COVER.
- EXISTING TELECOM PEDESTAL TO BE REMOVED AND RELOCATED. COORDINATE WITH PURVEYOR.

KEY PLAN



Call 811
two business days
before you dig

APPROVED
BY: CITY OF BONNEY LAKE
CITY ENGINEER, PE
DATE: _____
Plans meet current
Development Policies and
Public Works Design Standards.

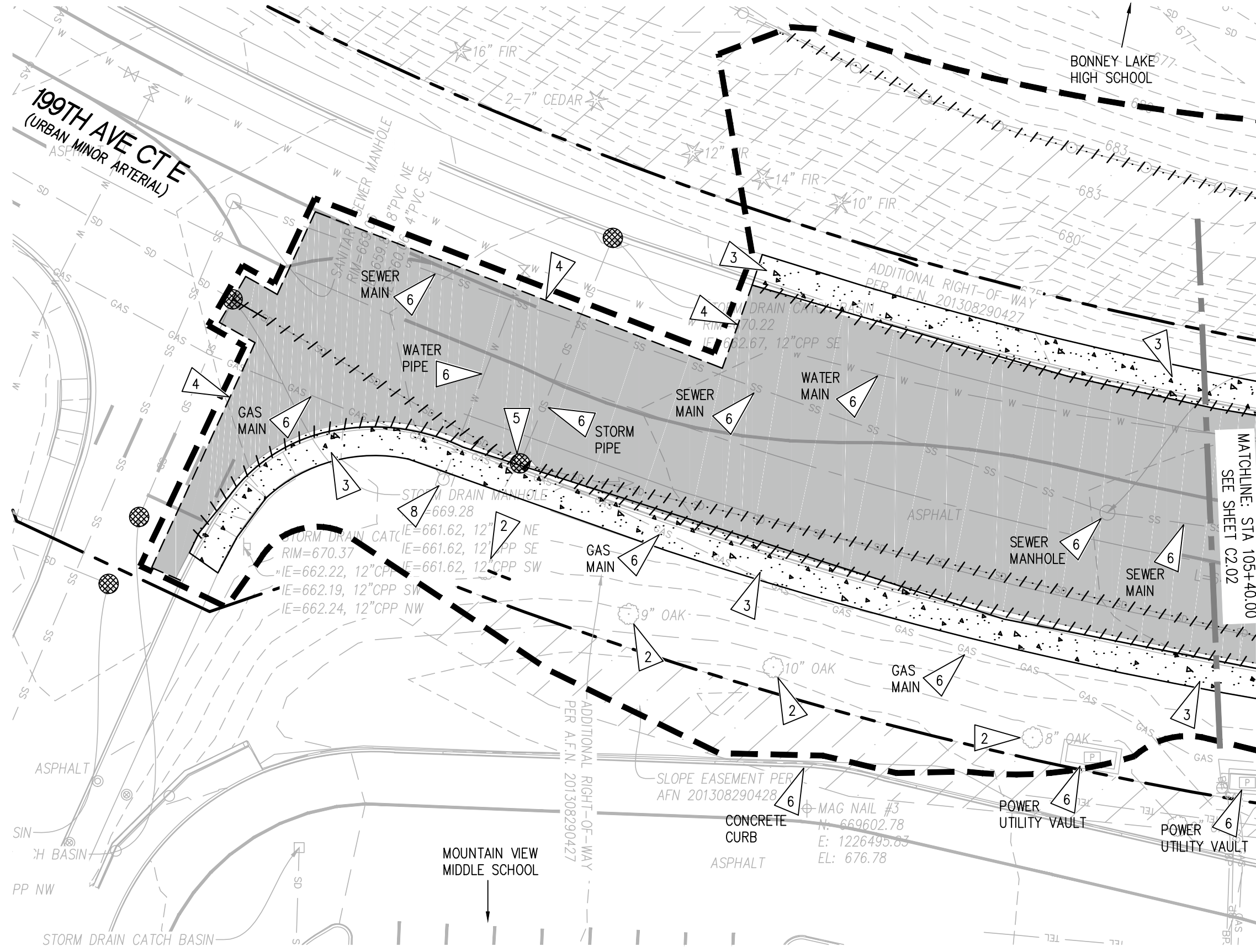
SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
DEMOLITION AND TESC PLAN

C2.02

PROJECT NO.

20931



DEMOLITION AND TESC PLAN
SCALE: 1"=20'

HORIZONTAL DATUM

WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83/2011
BASED ON GPS OBSERVATION UTILIZING THE WASHINGTON STATE REFERENCE
NETWORK (WSRN)

MEASURED NORTH 02°41'36" EAST BETWEEN TWO FOUND MONUMENTS ALONG
119TH AVE. CT. E.

VERTICAL DATUM

NAVD 88
BASED ON GPS OBSERVATION UTILIZING THE WSRN WITH
NGS GEOID18 LOADED

TEMPORARY BENCHMARK #1

ELEVATION = 653.63'
DESCRIPTION: SCRIBE #53, IN CONCRETE,
17.6± N.W. OF GRASS COURTYARD

TEMPORARY BENCHMARK #2

ELEVATION = 654.04'
DESCRIPTION: SCRIBE #52, IN CONCRETE,
11.5± WEST OF THE NW CORNER OF A UTILITY RAMP

LEGEND

PROPOSED FEATURES-

- CLEARING/GRADING LIMITS
- SILT FENCE
- CATCH BASIN PROTECTION
- ASPHALT PAVEMENT REMOVAL
- DEMOLISH FEATURE AS NOTED
- SAWCUT LINE
- CONCRETE REMOVAL

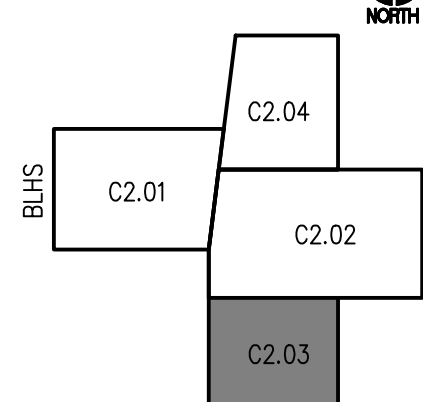
GENERAL NOTES

- SEE SHEET C0.01 FOR PROJECT NOTES AND REQUIREMENTS.
- EXISTING UTILITIES HAVE BEEN SHOWN IN THEIR APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES AND DOCUMENTING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE AT 811 AND THEN POTHOLES ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS AND UTILITY CONNECTIONS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT SITTS & HILL ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
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- ALL ASPHALT WITHIN BOTH THE PROJECT LIMITS AND SAWCUT LINES SHALL BE GROUND THE FULL DEPTH.
- ALL EXISTING CATCH BASINS WITHIN PROJECT LIMITS SHALL BE ADJUSTED TO FINISHED GRADE, RELOCATED TO NEW CURB LINE AND/OR GRATE REPLACED AS NOTED ON THE C3.X SERIES.
- CONTRACTOR TO INSTALL TEMPORARY FENCING AROUND WORK AREA, AS NECESSARY TO MAINTAIN A SECURE SITE, AND SHALL COVER TRENCHES WITH STEEL PLATES WHEN LEFT OPEN AND UNSUPERVISED.
- FOR ALL DISTURBED AREAS TO REMAIN PERVIOUS (LANDSCAPE/GRASS), THE CONTRACTOR SHALL AMEND SOILS IN ACCORDANCE WITH BMP T5.13. REFERENCE LANDSCAPE PLANS.
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITTS & HILL ENGINEERS, INC. SEE SURVEY SHEETS INCLUDED WITH THIS PLAN SET FOR ADDITIONAL INFORMATION, INCLUDING HORIZONTAL AND VERTICAL DATUM.
- SEE LANDSCAPE PLANS FOR TREE PROTECTION AND TREE RESTORATION PLANS. SEE LANDSCAPE PLANS FOR ALL IRRIGATION RELATED ITEMS TO BE DEMOLISHED OR ABANDONED. THE CONTRACTOR SHALL USE CAUTION NOT TO DISTURB EXISTING TREE ROOTS WHEN REMOVING EXISTING FEATURES.

KEY NOTES

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- REMOVE EXISTING CURB, GUTTER, AND/OR SIDEWALK. DO NOT SAWCUT EXISTING CONCRETE. REMOVAL IS TO NEAREST EXISTING JOINT.
- SAWCUT EXISTING ASPHALT PAVEMENT TO SMOOTH, VERTICAL, UNYIELDING EDGE.
- EXISTING CATCH BASIN TO BE REMOVED. COORDINATE INSTALLATION OF NEW CATCH BASIN WITH THE PROPOSED IMPROVEMENTS.
- PROTECT EXISTING FEATURE NOTED.
- PROTECT EXISTING TREE PER TREE PROTECTION DETAILS (SEE LANDSCAPE PLANS)
- REMOVE AND RELOCATE EXISTING FIRE HYDRANT BEHIND PROPOSED WALK. SEE IMPROVEMENT PLANS FOR PROPOSED LOCATION.

KEY PLAN



811 Call 811
two business days
before you dig

APPROVED
BY: CITY OF BONNEY LAKE
CITY ENGINEER, PE
DATE: _____
Plans meet current
Development Policies and
Public Works Design Standards.

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SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
DEMOLITION AND TESC PLAN

C2.03

PROJECT NO.

20931



20931



PROJECT NO. **20931**

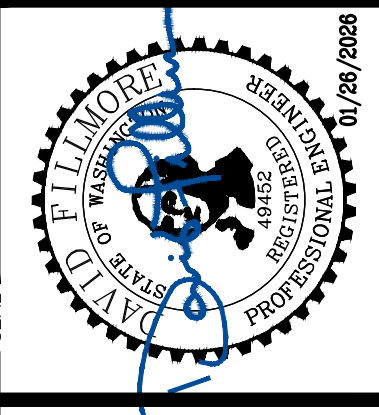
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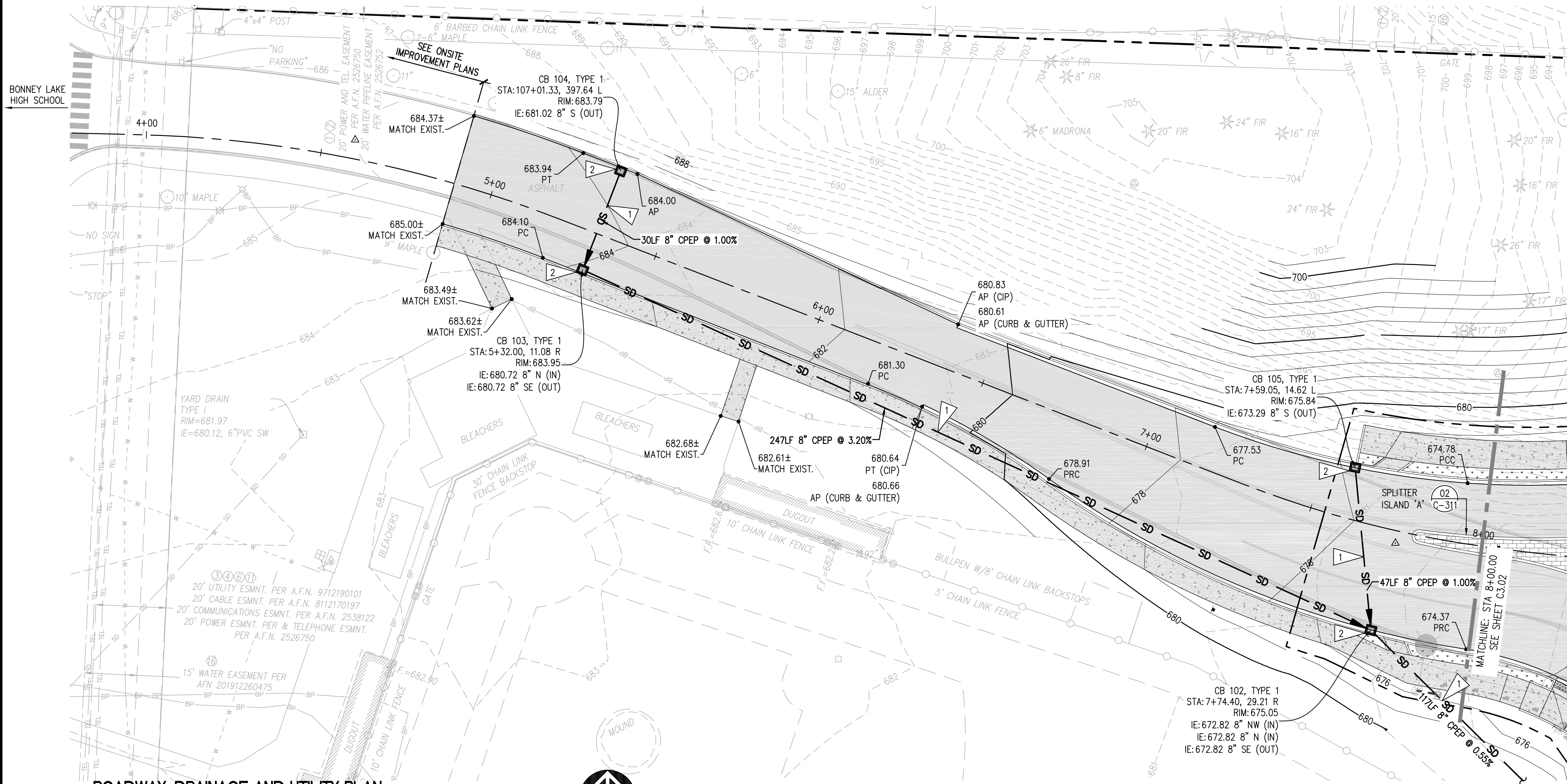


REVISIONS ■

APPROVALS

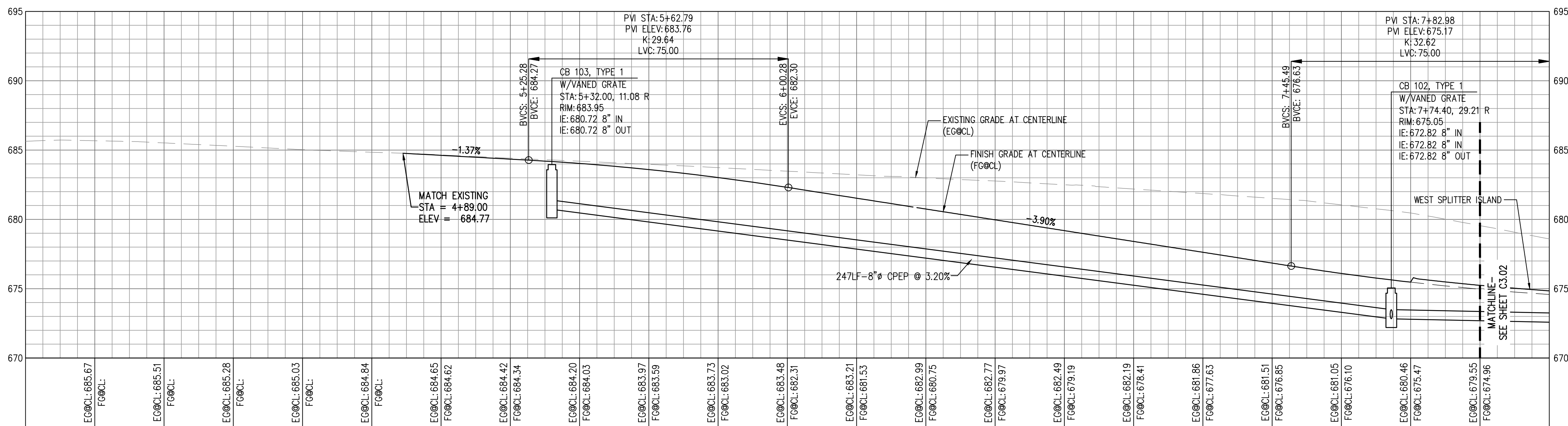
DESIGNED	DDF
DRAWN	KNL
CHECKED	DDF
DATE	11/01/2025
SCALE	AS NOTED

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ROADWAY, DRAINAGE AND UTILITY PLAN

SCALE: 1"=20'



ROADWAY AND DRAINAGE PROFILE (BLHS-MVMS)

SCALE: HORZ: 1"=20' VERT: 1"=5'

LEGEND

PROPOSED FEATURES-

- SD STORM DRAIN PIPE
- TYPE 1 CATCH BASIN, SEE CITY STD. DETAIL SD2/C3.14.
- TYPE 2 CATCH BASIN, SEE CITY STD. DETAIL SD3/C3.14.
- 680 CONTOUR MAJOR
- 679 CONTOUR MINOR
- AP ANGLE POINT
- PT POINT OF TANGENCY
- PC POINT OF CURVE
- PCC POINT OF COMPOUND CURVE
- PRC POINT OF REVERSE CURVE

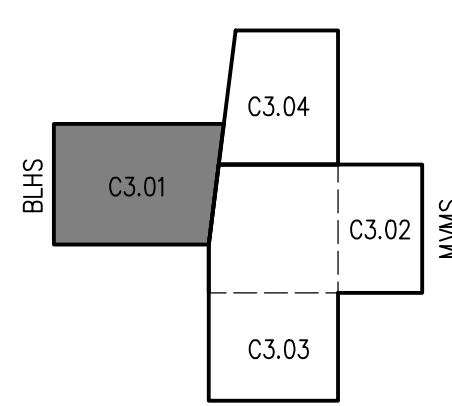
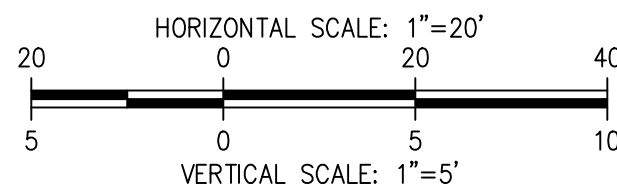
GENERAL NOTES

- SEE SHEET C0.01 FOR PROJECT NOTES AND REQUIREMENTS.
- STATION AND OFFSET CALLOUTS IN PLAN AND PROFILE ARE FROM 'BLHS-MVMS' CENTERLINE STATIONING.
- THE BURIED UTILITIES ON THIS PROJECT ARE SHOWN IN THEIR APPROXIMATE LOCATION WHERE KNOWN BASED ON FIELD SURVEY PERFORMED BY SITTS & HILL. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE THEIR LOCATION MARKED ON THE GROUND PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL PROTECT, OR IMMEDIATELY REPAIR, ANY DAMAGED UTILITY 'DISCOVERED' ON THIS PROJECT WITHOUT ADDITIONAL COSTS.
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITTS & HILL ENGINEERS, INC. SEE SURVEY SHEET SV1.00 FOR HORIZONTAL AND VERTICAL DATUM.
- ALL CATCH BASIN GRATES TO BE BOLT-DOWN, VANED GRATES UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL SET FRAMES AS NECESSARY TO MATCH CROSS SLOPE OF THE FINISHED GRADE.
- CONTRACTOR AND/OR SURVEYOR SHALL CALCULATE PIPE SLOPES BASED ON THE INVERT ELEVATIONS SHOWN ON THE PLANS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FIELD STAKING AND CONSTRUCTION.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MAINTAINING ALL STORM SYSTEMS (EXISTING AND PROPOSED) AND TESC FACILITIES THROUGH THE CONSTRUCTION AND PROJECT COMPLETION.
- CONTRACTOR TO STAKE RADII OF CURBS TO VERIFY LOCATION AND ORIENTATION OF CATCH BASINS WITH RESPECT TO THE FACE OF CURB.
- SPOT ELEVATIONS ARE AT EDGE OF PAVEMENT, FACE OF CURB, OR EDGE OF CONCRETE WALK UNLESS NOTED OTHERWISE.
- SEE SHEETS C3.05 AND C3.06 FOR TYPICAL ROAD SECTIONS.
- VANED GRATE PER DETAIL 01/C3.14 AND SOLID LOCKING LID PER CITY STD. DETAIL SD7/C3.14.
- FOR ALL DISTURBED AREAS TO BE SURFACED WITH LANDSCAPING, THE CONTRACTOR SHALL AMEND SOILS IN ACCORDANCE WITH BMP T5.13 FROM 2024 ECOLOGY STORMWATER MANUAL. CONTRACTOR SHALL COORDINATE WITH LANDSCAPING PLANS FOR REQUIRED EXCAVATION TO SUBGRADE IN LANDSCAPE AREAS.

KEY NOTES

- INSTALL STORM DRAINAGE PIPE. PIPE SIZE, MATERIAL AND SLOPE PER PROFILE CALLOUT. PIPE BEDDING PER CITY STD. DETAIL SD1/C3.14.
- INSTALL CATCH BASINS AS NOTED. STATION/OFFSET IS TO CENTER OF STRUCTURE, STRUCTURE TYPE, SIZE, AND GRATE TYPE PER PLAN/PROFILE CALLOUT. SEE GENERAL NOTE 8.

KEY PLAN



REVISIONS

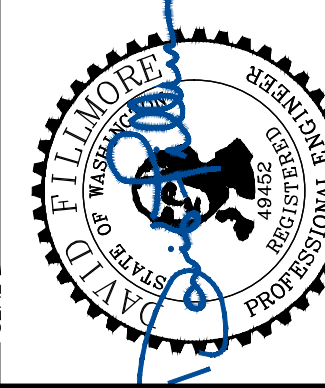
APPROVALS

SEAL

PREPARED BY

PROJECT

DESIGNED	DF
DRAWN	KNL
CHECKED	DF
DATE	11/01/2025
SCALE	AS NOTED



sitts & hill
CIVIL | STRUCTURAL | ARCHITECTURAL | SURVEY
4815 CENTER STREET | TACOMA, WA 98409
PHONE: (253) 744-9449 | FAX: (253) 474-0153
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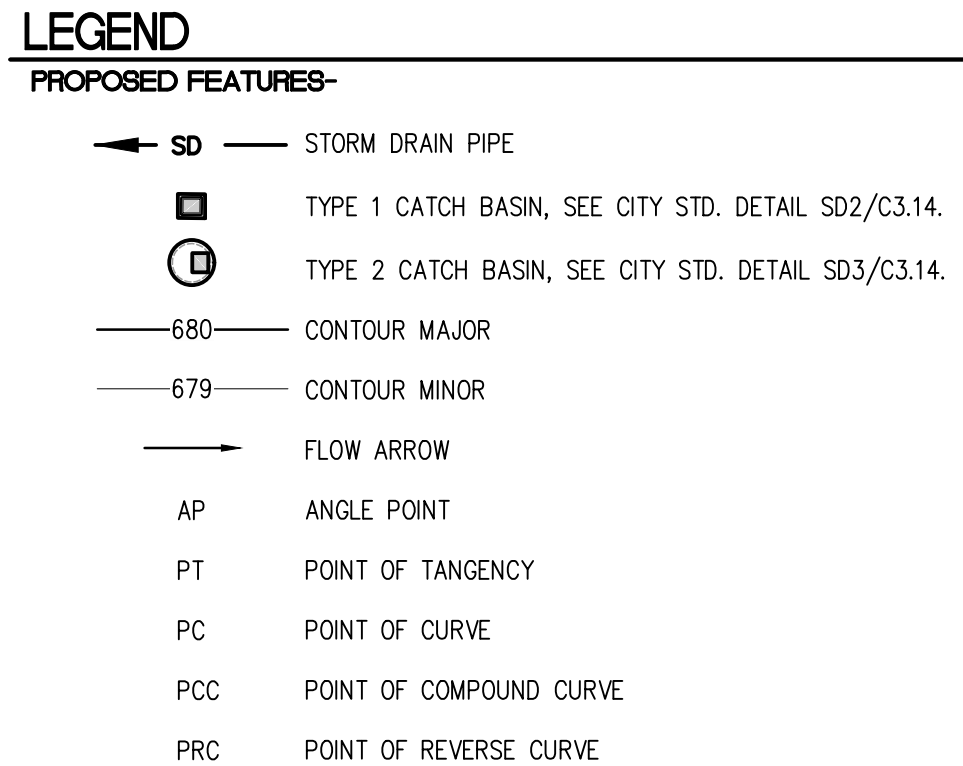
SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
ROADWAY, DRAINAGE AND UTILITY
PLAN AND PROFILE

C3.01

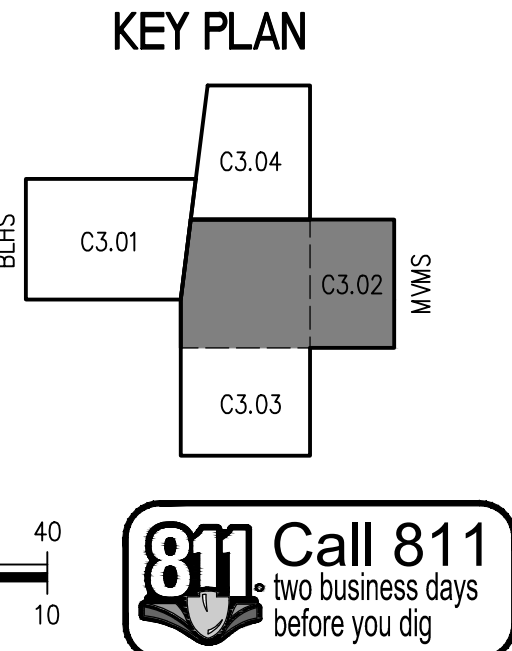
PROJECT NO.

20931



1. SEE SHEET C0.01 FOR PROJECT NOTES AND REQUIREMENTS.
2. STATION AND OFFSET CALLOUTS IN PLAN AND PROFILE ARE FROM "BUSH-MYMS" CENTERLINE STATIONING.
3. THE BURIED UTILITIES ON THIS PROJECT ARE SHOWN IN THEIR APPROXIMATE LOCATION WHERE KNOWN BASED ON FIELD SURVEY PERFORMED BY SITTS & HILL. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE THEIR LOCATION MARKED ON THE GROUND PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL PROTECT, OR IMMEDIATELY REPAIR, ANY DAMAGED UTILITY "DISCOVERED" ON THIS PROJECT WITHOUT ADDITIONAL COSTS.
4. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITTS & HILL ENGINEERS, INC. SEE SURVEY SHEET SV1.00 FOR HORIZONTAL AND VERTICAL DATUM.
5. ALL CATCH BASIN GRATES TO BE BOLT-DOWN, VAINED GRATES UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL SET FRAMES AS NECESSARY TO MATCH CROSS SLOPE OF THE FINISHED GRADE.
6. THE CONTRACTOR AND/OR SURVEYOR SHALL CALCULATE PIPE SLOPES BASED ON THE INVERT ELEVATIONS SHOWN ON THE PLANS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FIELD STAKING AND CONSTRUCTION.
7. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MAINTAINING ALL STORM SYSTEMS (EXISTING AND PROPOSED) AND TESC FACILITIES THROUGH THE CONSTRUCTION AND PROJECT COMPLETION.
8. CONTRACTOR TO STAKE RADIi OF CURBS TO VERIFY LOCATION AND ORIENTATION OF CATCH BASINS WITH RESPECT TO THE FACE OF CURB.
9. SPOT ELEVATIONS ARE AT EDGE OF PAVEMENT, FACE OF CURB, OR EDGE OF CONCRETE WALK UNLESS NOTED OTHERWISE.
10. SEE SHEETS C3.05 AND C3.06 FOR TYPICAL ROAD SECTIONS.
11. VAINED GRATE PER DETAIL 01/C3.14 AND SOLID LOCKING LID PER CITY STD. DETAIL SD7/C3.14.
12. FOR ALL DISTURBED AREAS TO BE SURFACED WITH LANDSCAPING, THE CONTRACTOR SHALL AMEND SOILS IN ACCORDANCE WITH BMP TS.13 FROM 2024 ECOLOGY STORMWATER MANUAL. CONTRACTOR SHALL COORDINATE WITH LANDSCAPING PLANS FOR REQUIRED EXCAVATION TO SUBGRADE IN LANDSCAPE AREAS.

- 1 INSTALL STORM DRAINAGE PIPE. PIPE SIZE, MATERIAL AND SLOPE PER PROFILE CALLOUT. PIPE BEDDING PER CITY STD. DETAIL SD1/C3.14.
- 2 INSTALL CATCH BASINS AS NOTED. STATION/OFFSET, STRUCTURE TYPE AND SIZE, AND GRATE TYPE PER PLAN/PROFILE CALLOUT. SEE GENERAL NOTE
- 3 RAISE/ADJUST COVER TO MATCH PROPOSED GRADE (AS NOTED)



APPROVED

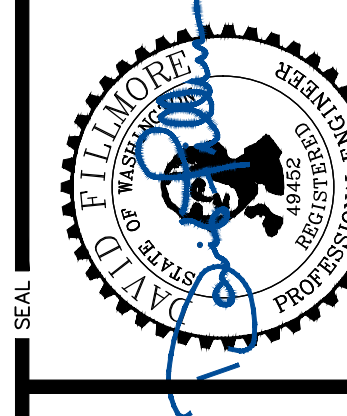
BY _____
CITY OF BONNEY LAKE
CITY ENGINEER, PE

DATE _____

Plans meet current
Development Policies and
Public Works Design Standards.

REVISIONS _____

APPROVALS _____
DESIGNED _____
DRAWN _____
CHECKED _____
DATE _____
SCALE _____



PREPARED BY  **sitts & hill**

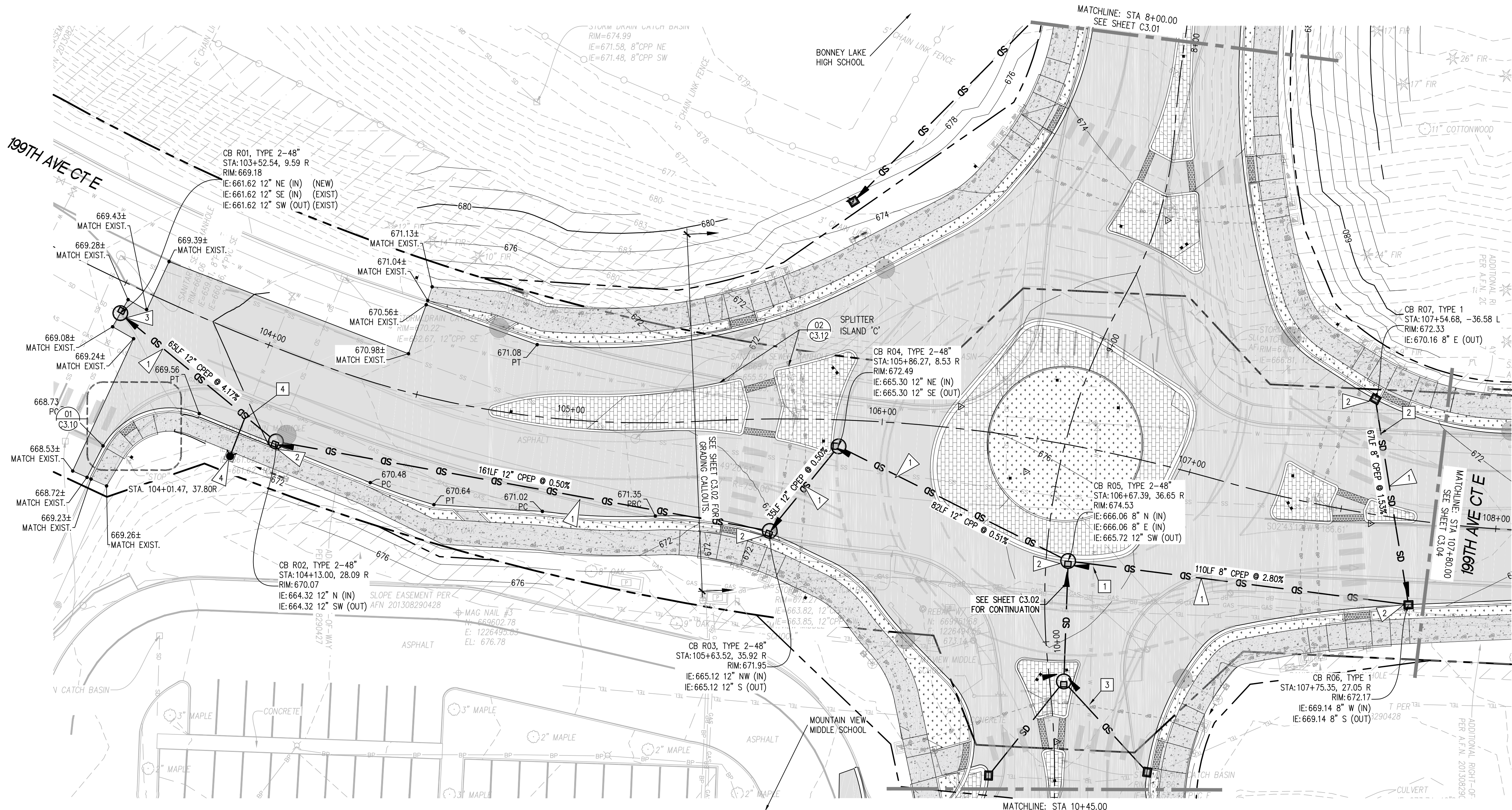
CIVIL | STRUCTURAL | ARCHITECTURAL | SURVEYING
4815 CENTER STREET | TACOMA, WA 98409
PHONE: (253) 474-9449 | FAX: (253) 474-1453

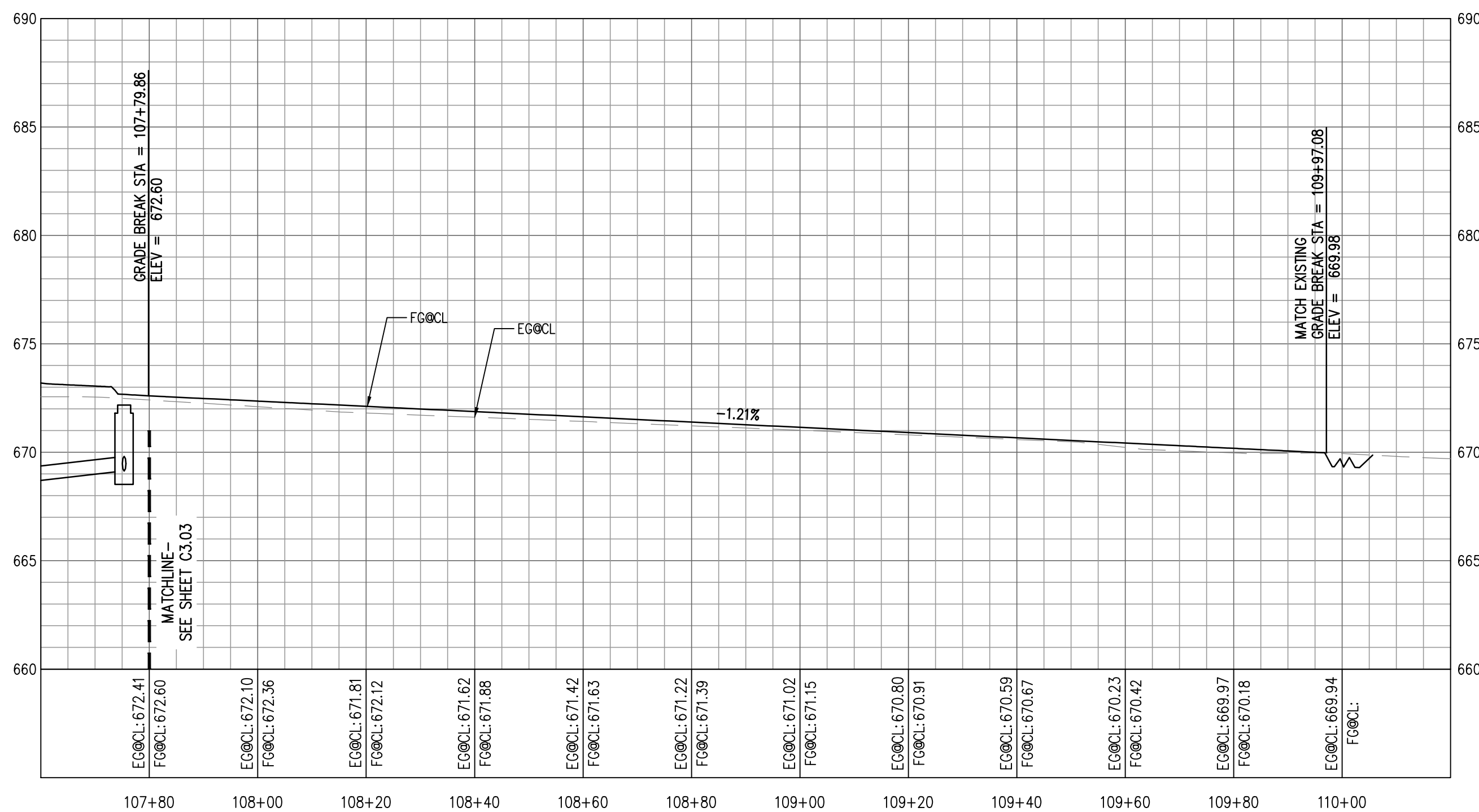
PREPARED FOR **SUMNER-BONNEY LAKE
SCHOOL DISTRICT**
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

PROJECT: SUMMER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
SHEET TITLE: ROADWAY, DRAINAGE AND UTILITY PLAN AND PROFILE
BONNEY LAKE, WA 98391

C3.02
PROJECT NO.
20931

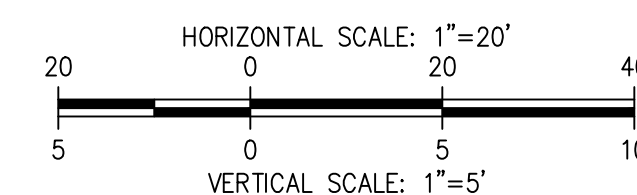
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SCALE: HORZ: 1"=20' VERT: 1"=5'

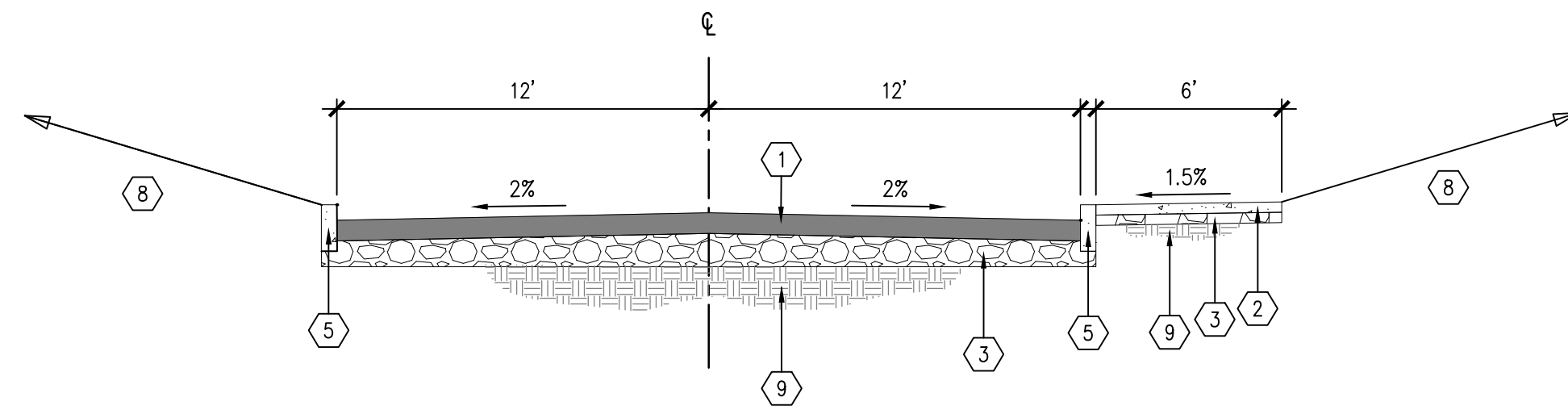
- APPROVED
- BY _____
CITY OF BONNEY LAKE
CITY ENGINEER, PE
- DATE _____
- Plans meet current
Development Policies and
Public Works Design Standards.



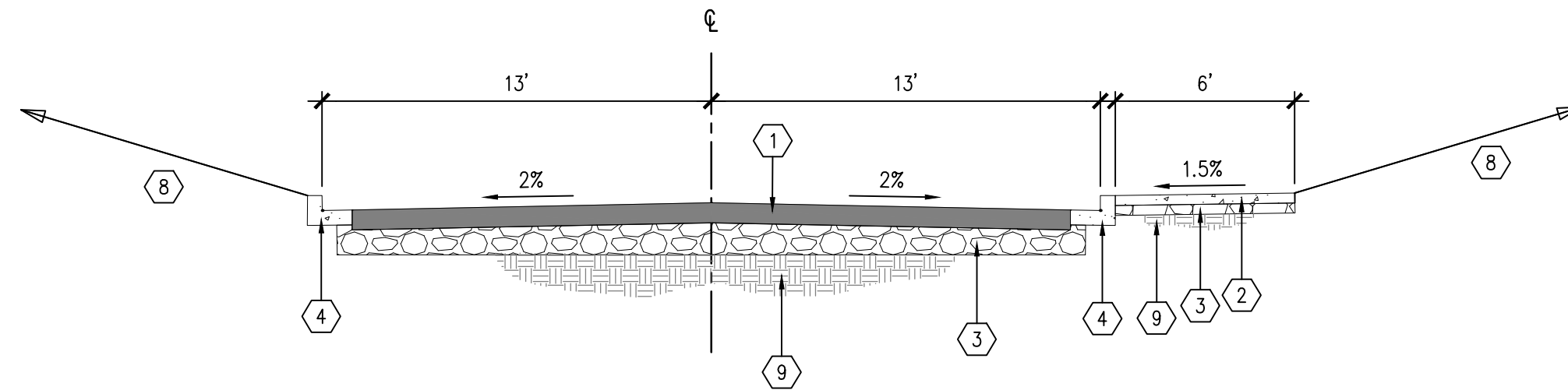
811 Call 811
two business days
before you dig

C3.04
PROJECT NO.
20931

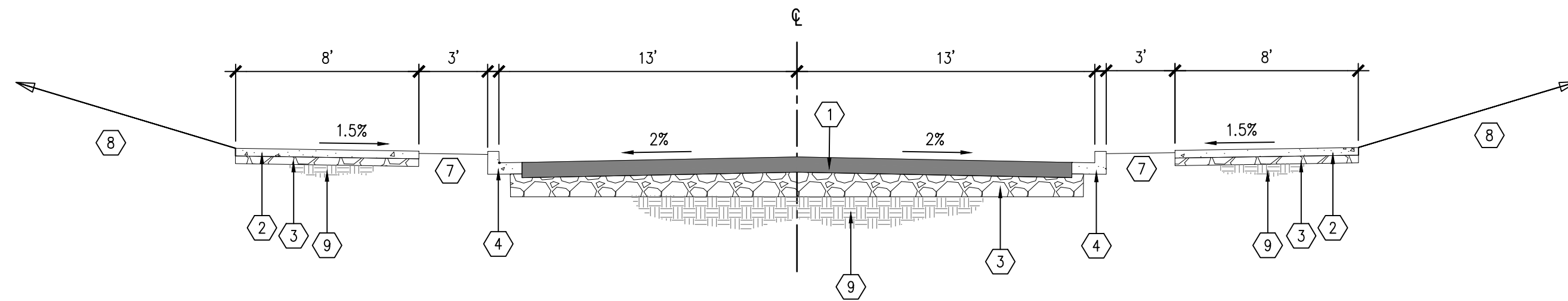
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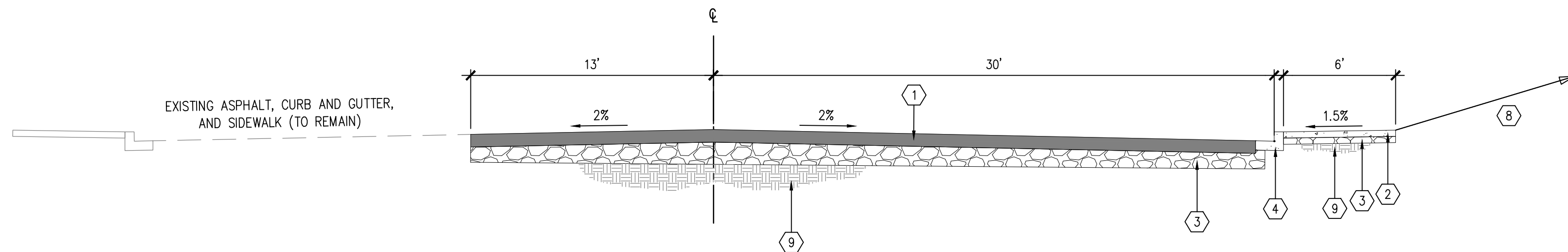
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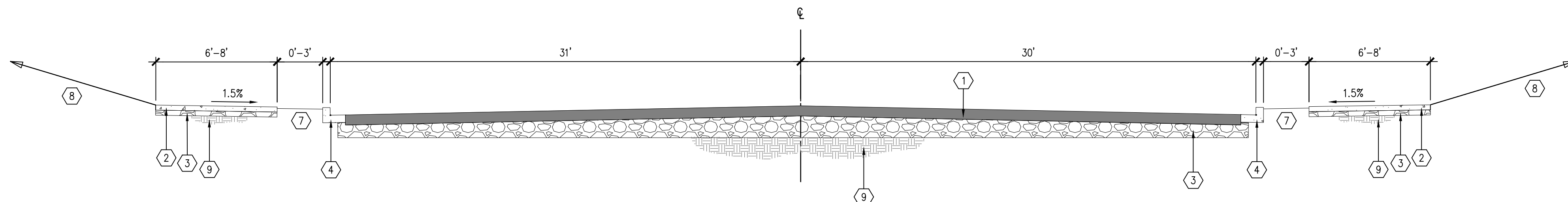
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SCALE: N.T.S.



WEST LEG SECTION (BLHS-MVHS) (STA. 7+58.94 TO 7+74.98)
SCALE: N.T.S.



SOUTH LEG SECTION (199TH AVE CT E) (STA. 103+87.82 TO 104+45.49)
SCALE: N.T.S.



SOUTH LEG SECTION (199TH AVE CT E) (STA. 104+45.49 TO 104+73.61)
SCALE: N.T.S.

KEY NOTES

- 1 4" MIN. ASPHALT CONCRETE CL. B (2 LIFTS)
- 2 CONCRETE WALK, SEE CITY STD. DETAIL S8/C4.05.
- 3 8" MIN. CRUSHED SURFACING BASE COURSE (2 LIFTS)
- 4 CONCRETE CURB AND GUTTER,SEE CITY STD. DETAIL S10/C4.05.
- 5 CAST-IN-PLACE CONCRETE CURB, SEE DETAIL 02/C4.05.
- 6 SPLITTER ISLAND
- 7 LANDSCAPING
- 8 SLOPE VARIES. 3:1 TYPICAL SIDE SOPE TO EXISTING GRADE.
- 9 FIRM AND UNYIELDING SUB-GRADE

DESIGNED	DF
DRAWN	KNL
CHECKED	DF
DATE	11/01/2025
SCALE	AS NOTED

DESIGNED	DF
DRAWN	KNL
CHECKED	DF
DATE	11/01/2025
SCALE	AS NOTED



SUMNER-BONNEY LAKE
DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL
DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
ROADWAY SECTIONS
SHEET NO.

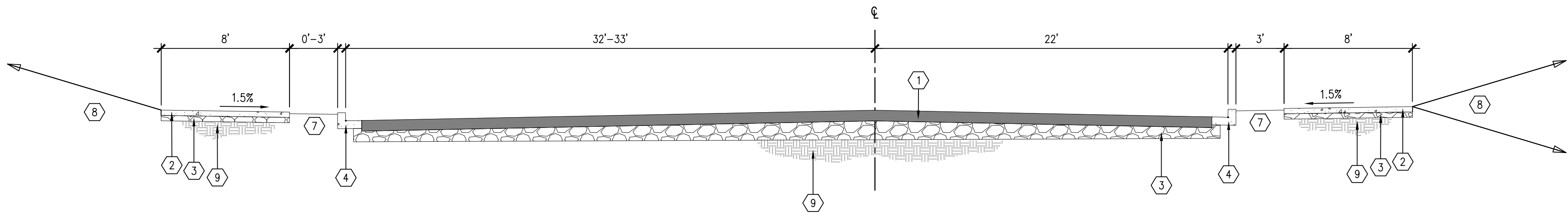
C3.05

PROJECT NO.

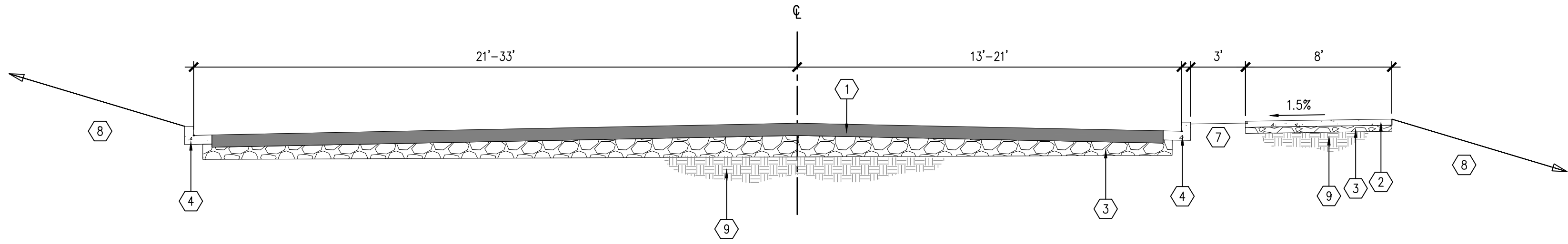
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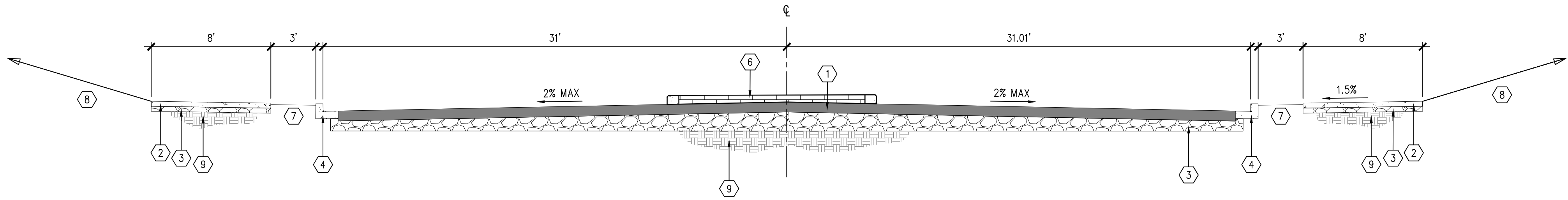
APPROVED	
BY	CITY OF BONNEY LAKE CITY ENGINEER, PE
DATE	
Plans meet current Development Policies and Public Works Design Standards.	



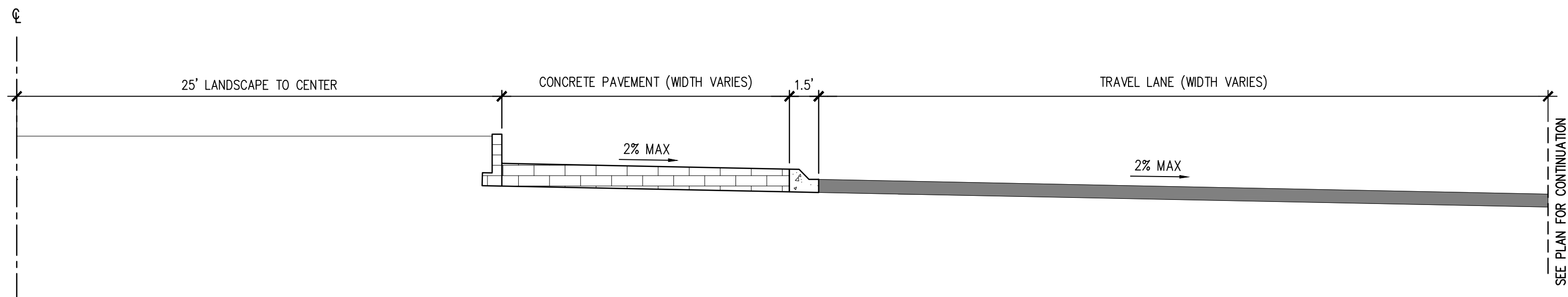
NORTH LEG SECTION (199TH AVE CT E) (STA. 107+74.20 TO 108+25.11)
SCALE: N.T.S.



NORTH LEG SECTION (199TH AVE CT E) (STA. 108+25.11 TO 109+71.72)
SCALE: N.T.S.



GENERAL SECTION
SCALE: N.T.S.



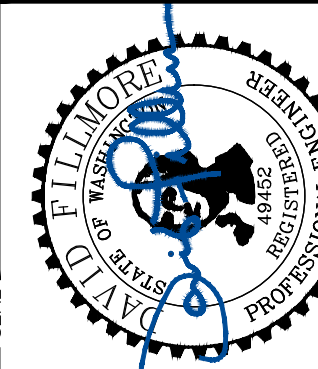
GENERAL ROUNDABOUT SECTION
SCALE: N.T.S.

KEY NOTES

- 1 4" MIN. ASPHALT CONCRETE CL. B (2 LIFTS)
- 2 CONCRETE WALK, SEE CITY STD. DETAIL S8/C4.05.
- 3 8" MIN. CRUSHED SURFACING BASE COURSE (2 LIFTS)
- 4 CONCRETE CURB AND GUTTER,SEE CITY STD. DETAIL S10/C4.05.
- 5 CAST-IN-PLACE CONCRETE CURB, SEE DETAIL 02/C4.05.
- 6 SPLITTER ISLAND
- 7 LANDSCAPING
- 8 SLOPE VARIES. 3:1 TYPICAL SIDE SOPE TO EXISTING GRADE.
- 9 FIRM AND UNYIELDING SUB-GRADE

DESIGNED	DF
DRAWN	KNL
CHECKED	DF
DATE	11/01/2025
SCALE	AS NOTED

DESIGNED	DF
DRAWN	KNL
CHECKED	DF
DATE	11/01/2025
SCALE	AS NOTED



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BONNEY LAKE, WA 98391
(253) 6305

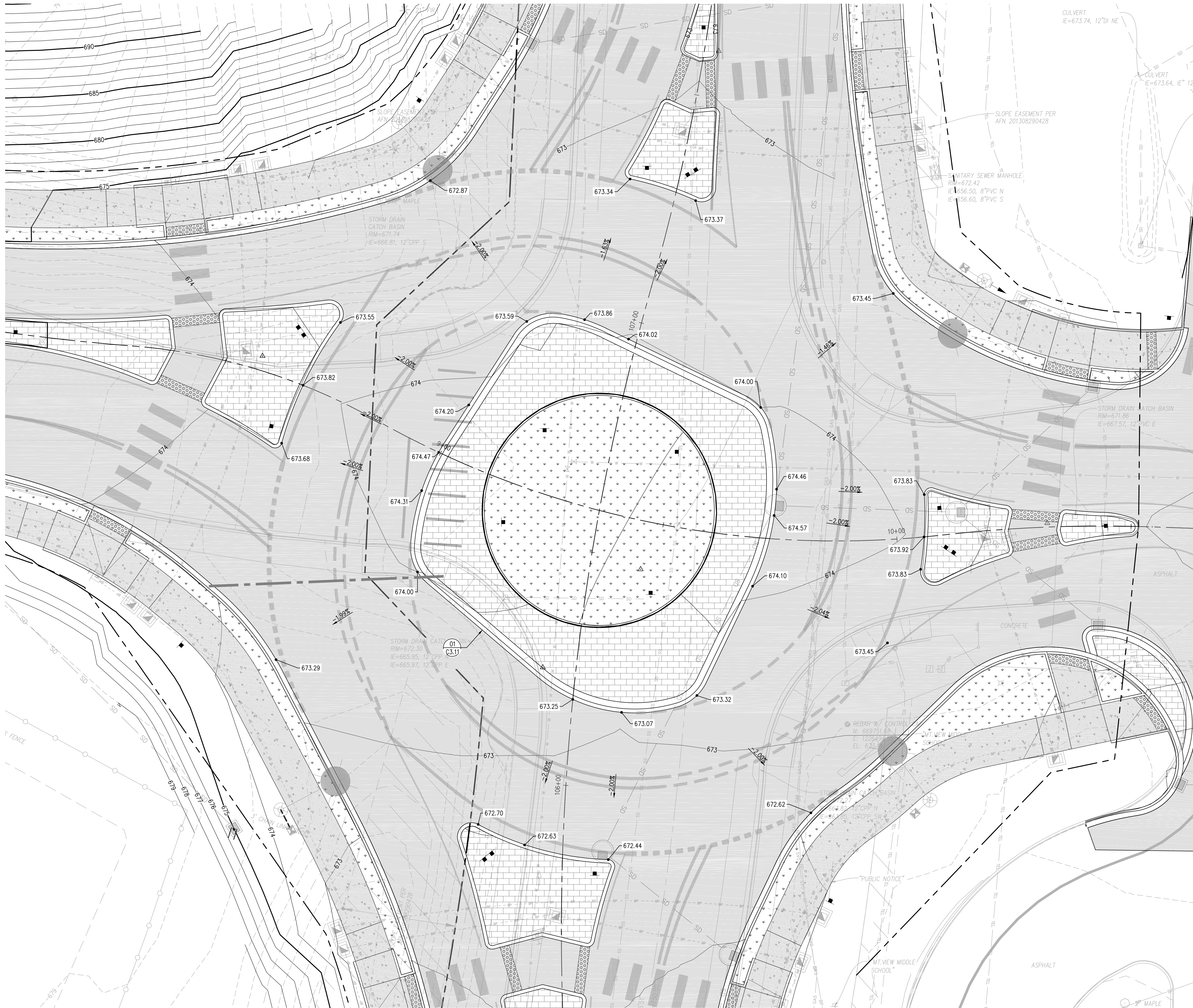
SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
ROADWAY SECTIONS

APPROVED
BY: **CITY OF BONNEY LAKE**
CITY ENGINEER, PE
DATE: _____
Plans meet current Development Policies and Public Works Design Standards.

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C3.06
PROJECT NO. **20931**

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ENLARGED ROUNDABOUT GRADING PLAN
SCALE: 1"=10'

LEGEND

PROPOSED FEATURES-

- SD STORM DRAIN PIPE
- TYPE 1 CATCH BASIN
- TYPE 2 CATCH BASIN
- 680 CONTOUR MAJOR
- 679 CONTOUR MINOR

GENERAL NOTES

- THE BURIED UTILITIES ON THIS PROJECT ARE SHOWN IN THEIR APPROXIMATE LOCATION WHERE KNOWN BASED ON FIELD SURVEY PERFORMED BY SITTS & HILL. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE THEIR LOCATION MARKED ON THE GROUND PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL PROTECT, OR IMMEDIATELY REPAIR, ANY DAMAGED UTILITY "DISCOVERED" ON THIS PROJECT WITHOUT ADDITIONAL COSTS.
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITTS & HILL ENGINEERS, INC. SEE SURVEY SHEET CR-100 FOR HORIZONTAL AND VERTICAL DATUM.
- ALL CATCH BASIN GRATES TO BE BOLT-DOWN, VANED GRATES UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL SET FRAMES AS NECESSARY TO MATCH CROSS SLOPE OF THE FINISHED GRADE.
- CONTRACTOR AND/OR SURVEYOR SHALL CALCULATE PIPE SLOPES BASED ON THE INVERT ELEVATIONS SHOWN ON THE PLANS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FIELD STAKING AND CONSTRUCTION.



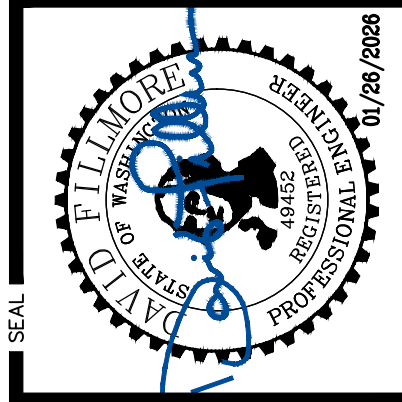
HORIZONTAL SCALE: 1"=10'
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APPROVED	
BY	CITY OF BONNEY LAKE CITY ENGINEER, PE
DATE	
Plans meet current Development Policies and Public Works Design Standards.	



DESIGNED	DF
DRAWN	KNL
CHECKED	DF
DATE	11/01/2025
SCALE	AS NOTED

APPROVALS	DESIGNED	DF
	DRAWN	KNL
	CHECKED	DF
	DATE	11/01/2025
	SCALE	AS NOTED

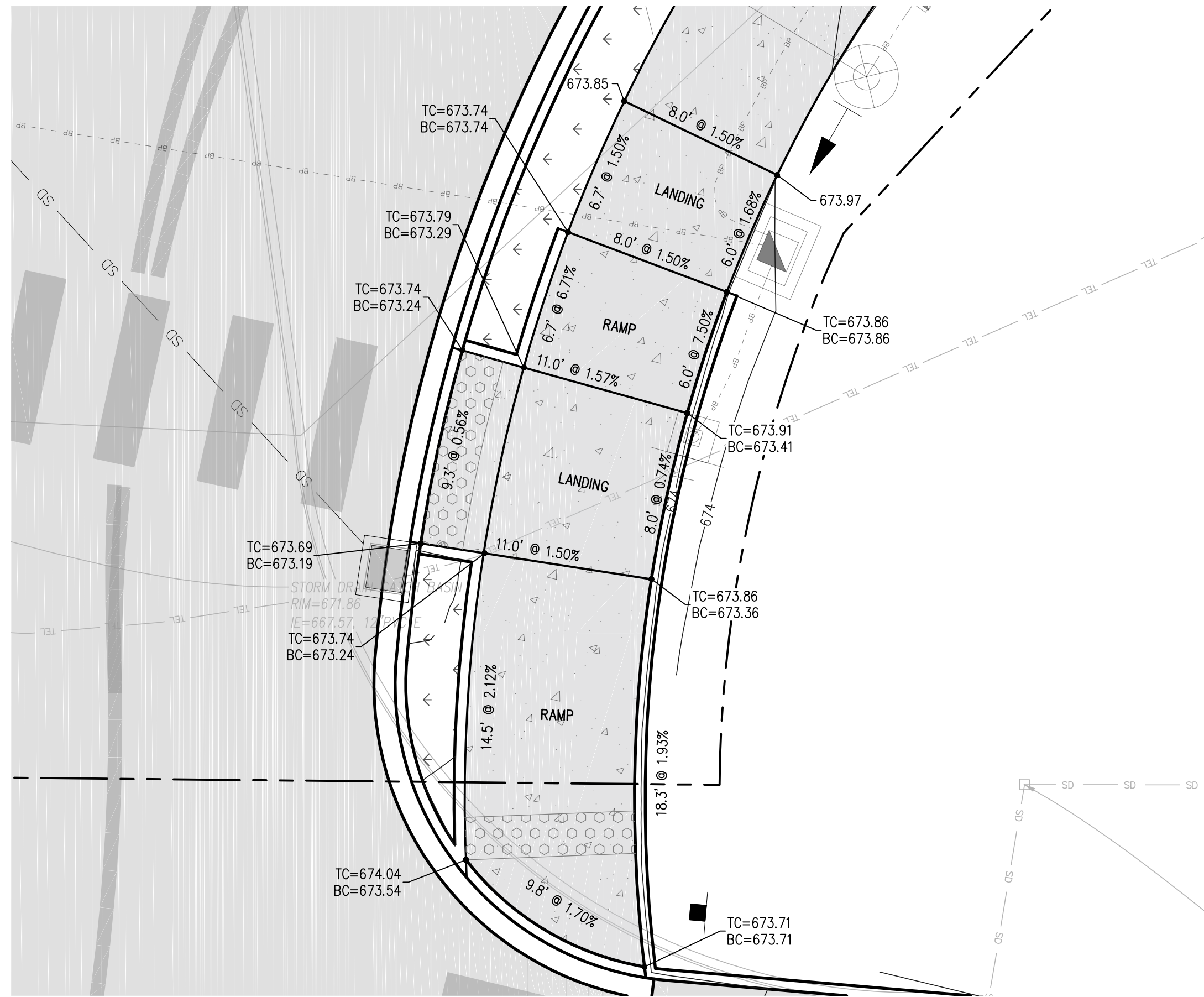


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SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL
DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
ENLARGED ROUNDABOUT GRADING
PLAN
SHEET NO.

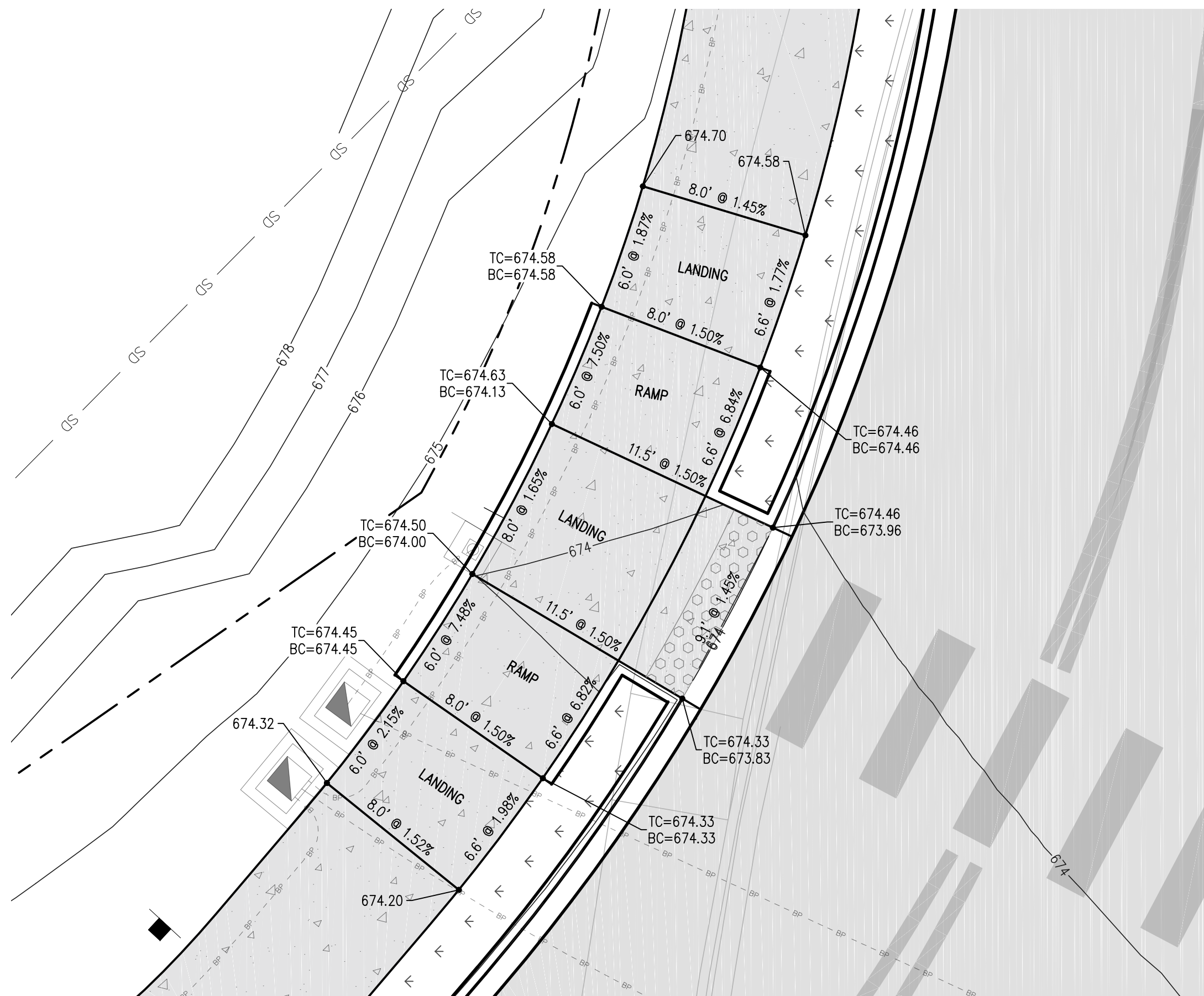
C3.07
PROJECT NO.
20931



01 ENLARGED GRADING PLAN
SCALE: 1"=5'



02 ENLARGED GRADING PLAN
SCALE: 1"=5'



03 ENLARGED GRADING PLAN
SCALE: 1"=5'



04 ENLARGED GRADING PLAN
SCALE: 1"=5'



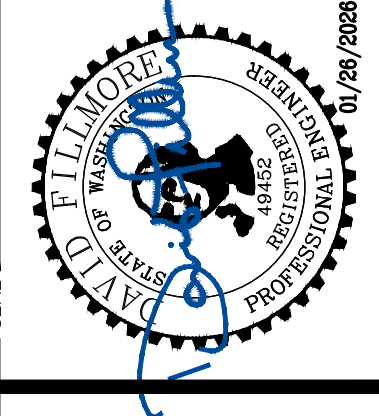
HORIZONTAL SCALE: 1"=5'



APPROVED	
BY	CITY OF BONNEY LAKE CITY ENGINEER, PE
DATE	
Plans meet current Development Policies and Public Works Design Standards.	

REVISIONS					

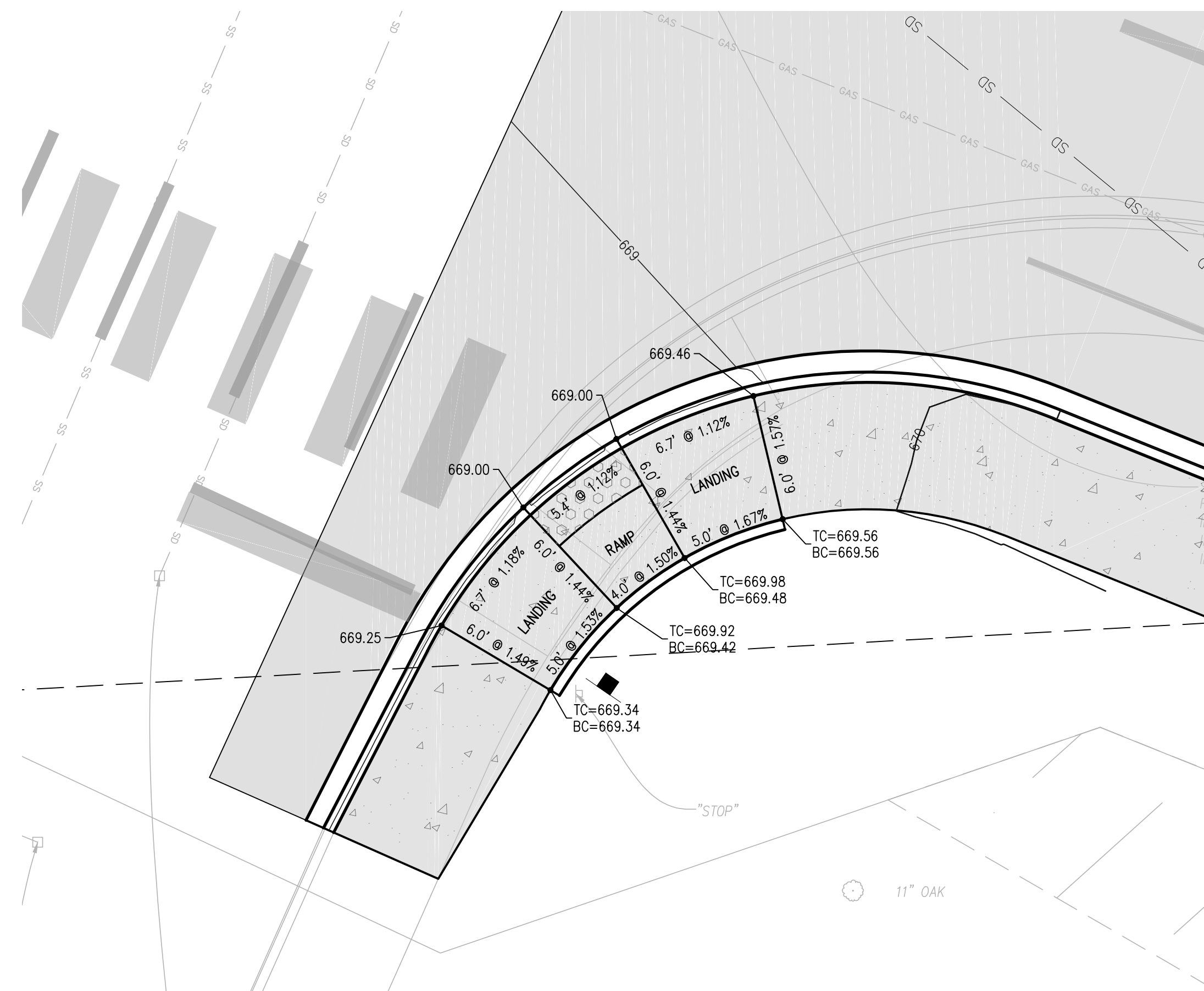
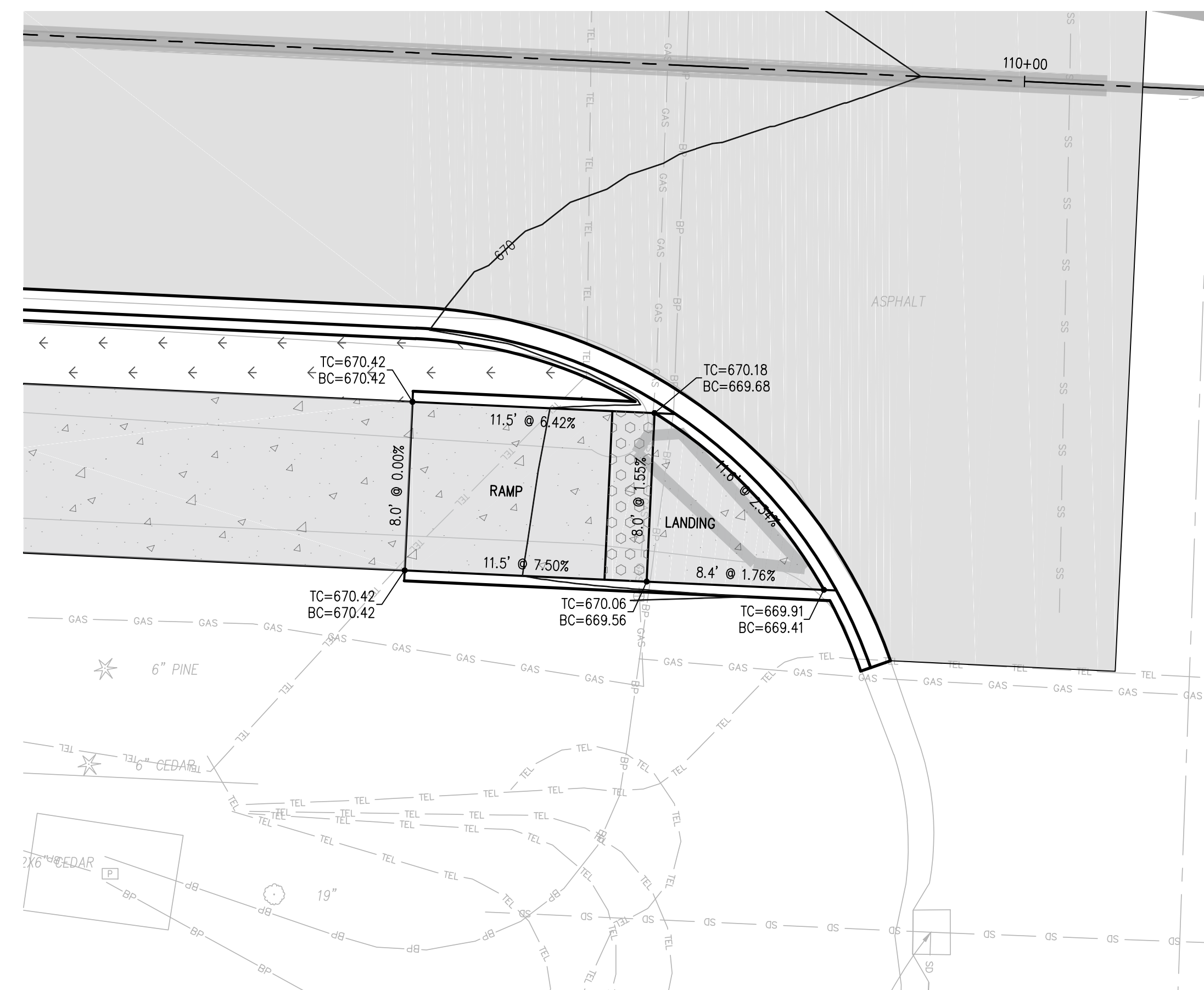
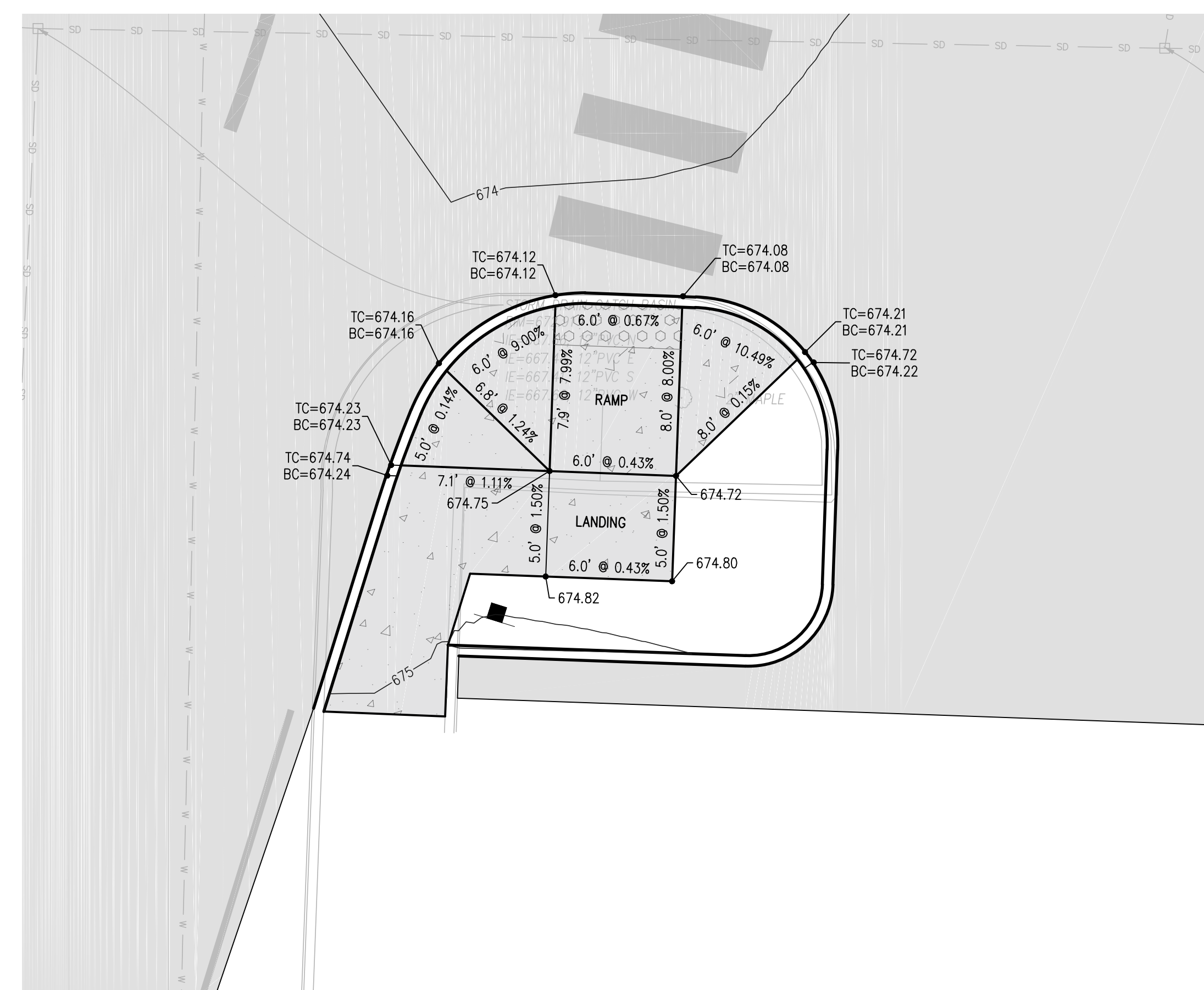
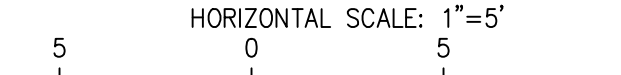
APPROVALS					
DESIGNED	DF	DRAWN	KNL	CHECKED	DF
DATE	11/01/2025	SCALE	AS NOTED		



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SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE: GRADING ENLARGEMENTS
SHEET NO. C3.09
PROJECT NO. 20931



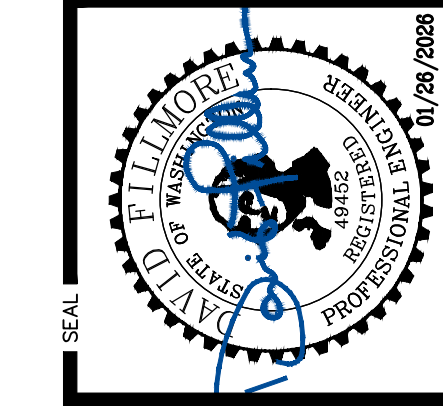
APPROVED

BY _____
CITY OF BONNEY LAKE
CITY ENGINEER, PE

DATE _____

Plans meet current
Development Policies and
Public Works Design Standard

REVISIONS

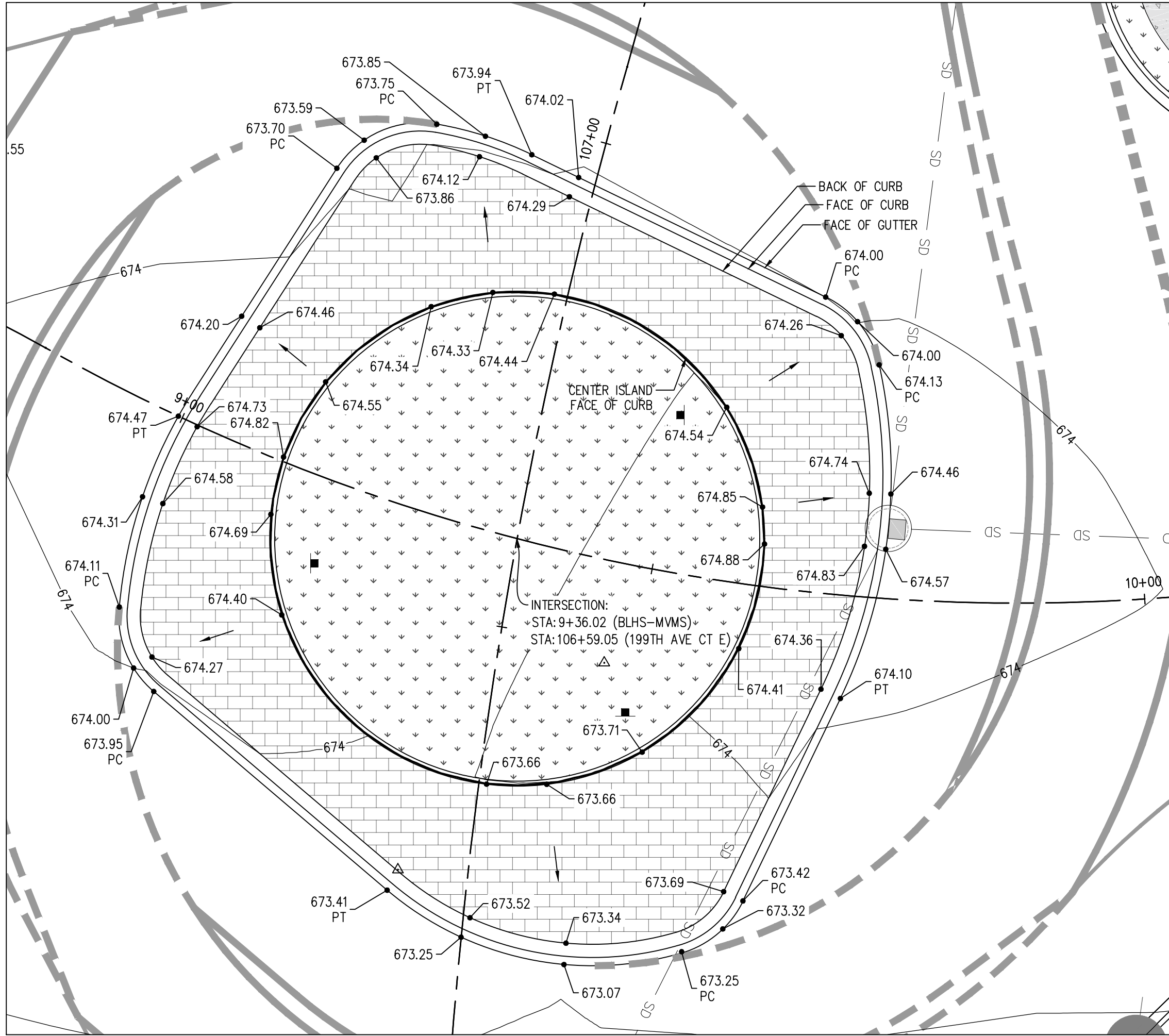


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PREPARED FOR
**SUMNER-BONNEY LAKE
SCHOOL DISTRICT**
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

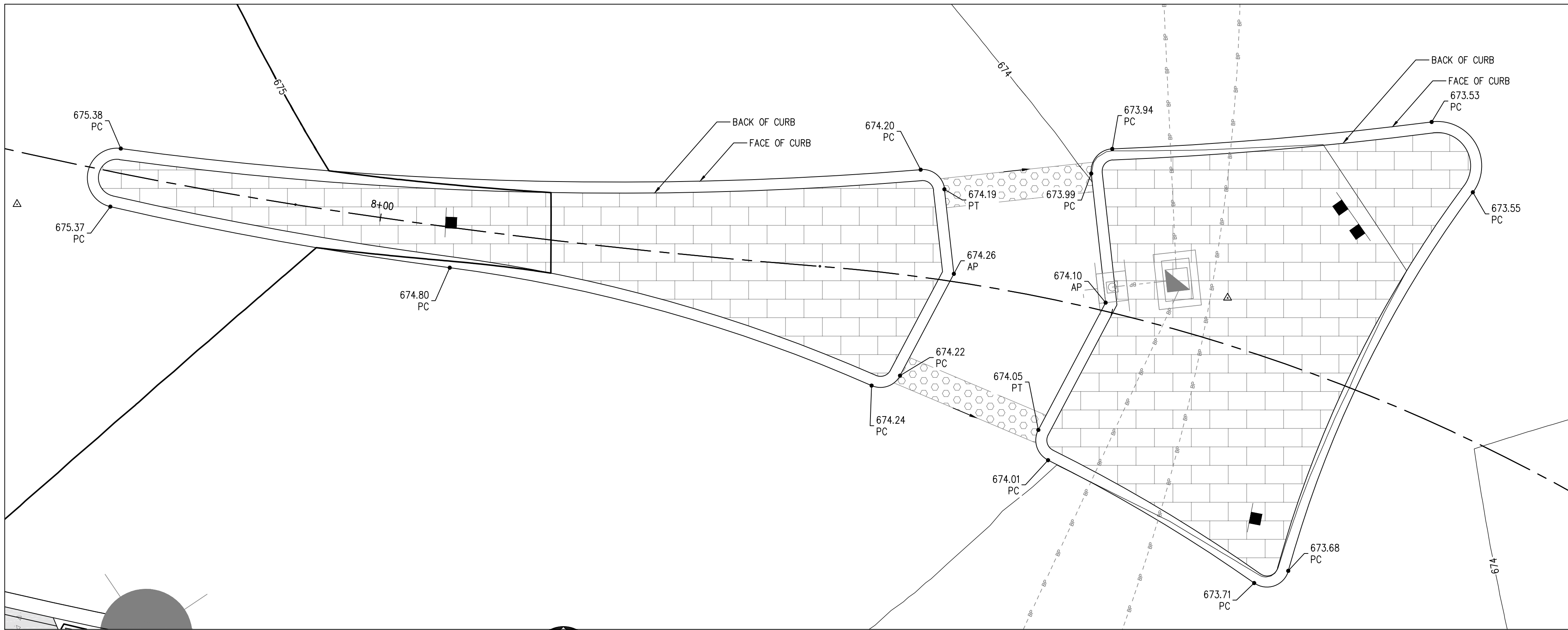
PROJECT: SUMMER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE: GRADING ENLARGEMENTS



01 CENTER ISLAND
SCALE: 1"=10'



HORIZONTAL SCALE: 1"=10'
10 0 10 20



02 SPLITTER ISLAND 'A'
SCALE: 1"=5'



HORIZONTAL SCALE: 1"=5'
5 0 5 10

CURVE DATA TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C1	11.69	10.00	67.01	N66° 14' 38"E	11.04
C2	10.12	36.00	16.10	S72° 12' 08"E	10.08
C3	9.03	10.00	51.75	S38° 16' 30"E	8.73
C4	34.56	52.00	38.08	S6° 38' 35"W	33.93
C5	8.37	10.00	47.97	S49° 40' 05"W	8.13
C6	31.69	32.00	56.75	N77° 58' 26"W	30.41
C7	9.53	10.00	54.62	N22° 17' 16"W	9.18
C8	23.22	48.00	27.72	N18° 52' 56"E	22.99

LINE DATA TABLE		
LINE #	LENGTH	BEARING
L1	32.98	S64° 09' 06.19"E
L2	22.69	S25° 41' 03.69"W
L3	30.98	N49° 35' 58.52"W
L4	26.89	N32° 44' 26.20"E

CURVE DATA TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C9	6.10	2.00	174.81	N10° 17' 59"E	4.00
C10	54.31	251.00	12.40	S88° 29' 36"E	54.21
C11	2.31	1.50	88.33	S50° 31' 46"E	2.09
C12	2.25	1.50	85.82	S70° 48' 29"W	2.04
C13	29.77	105.00	16.25	N74° 24' 19"W	29.67
C14	23.37	247.00	5.42	N79° 49' 02"W	23.37
C15	2.46	1.50	94.02	S40° 38' 34"W	2.19
C16	21.72	250.00	4.98	S85° 09' 45"W	21.72
C17	7.01	3.00	133.88	N30° 23' 17"W	5.52
C18	28.68	78.00	21.07	N26° 01' 01"E	28.52
C19	2.87	1.50	109.70	N70° 20' 01"E	2.45
C20	16.27	106.00	8.80	S59° 12' 51"E	16.26
C21	2.40	1.50	91.51	S17° 51' 25"E	2.15

LINE DATA TABLE		
LINE #	LENGTH	BEARING
L5	5.76	S6° 21' 58.18"E
L6	7.80	S27° 53' 54.61"W
L7	9.75	S27° 53' 54.61"W
L8	8.80	S6° 21' 58.18"E

APPROVED

BY: CITY OF BONNEY LAKE
CITY ENGINEER, PE

DATE: _____

Plans meet current
Development Policies and
Public Works Design Standards.



DESIGNED: DDF
DRAWN: KNL
CHECKED: DDF
DATE: 11/01/2025
SCALE: AS NOTED

APPROVALS

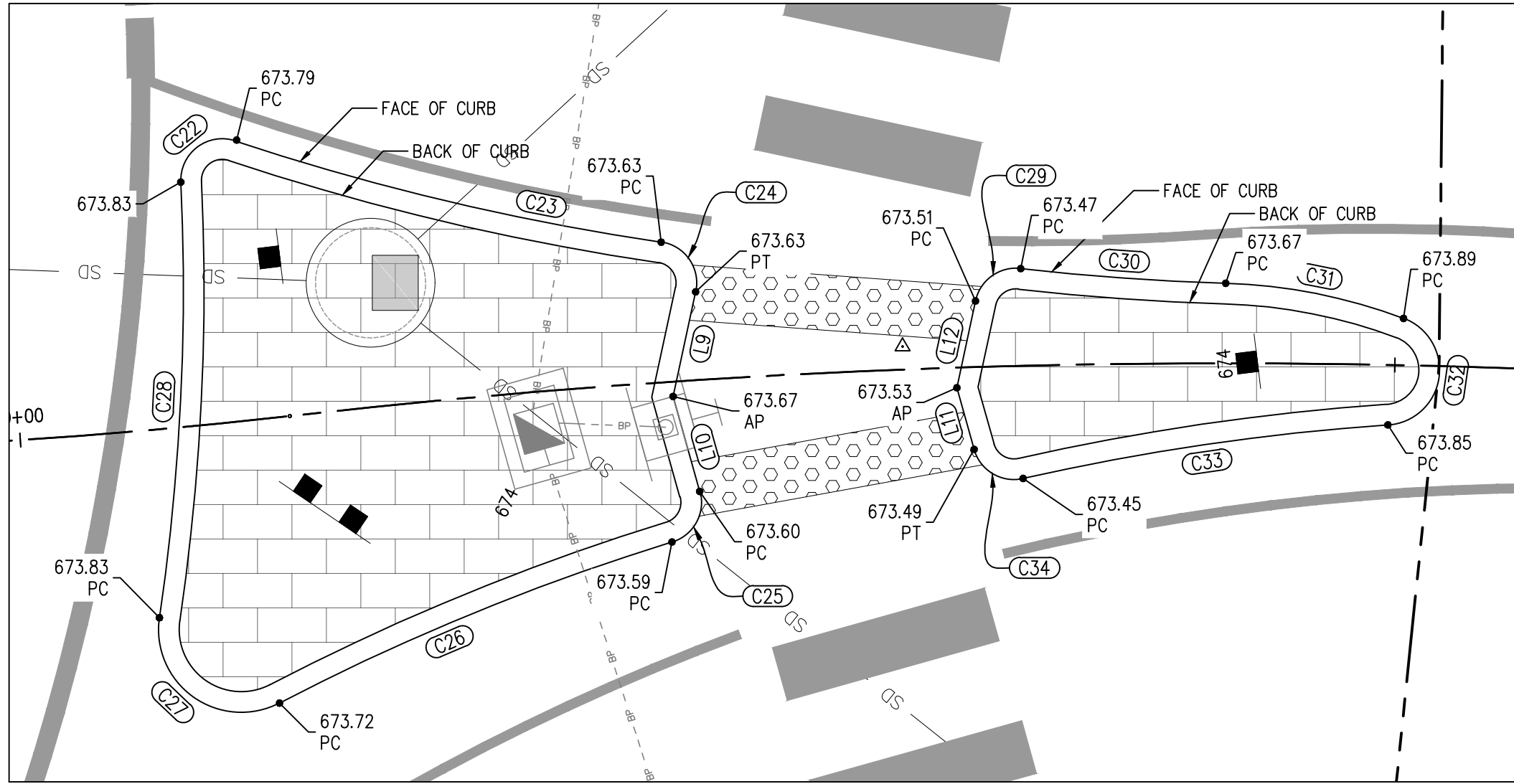
REVISIONS

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PHONE: (253) 474-9449 | FAX: (253) 474-0153
http://www.sitts-hill.com

PREPARED FOR: SUMNER-BONNEY LAKE SCHOOL DISTRICT
PROJECT: 19701-104TH STREET EAST
SHEET NO.: C3.11
20931

PROJECT: SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
SHEET NO.: C3.11
20931

GRADING ENLARGMENTS



01 SPLITTER ISLAND 'B'
SCALE: 1"=5'

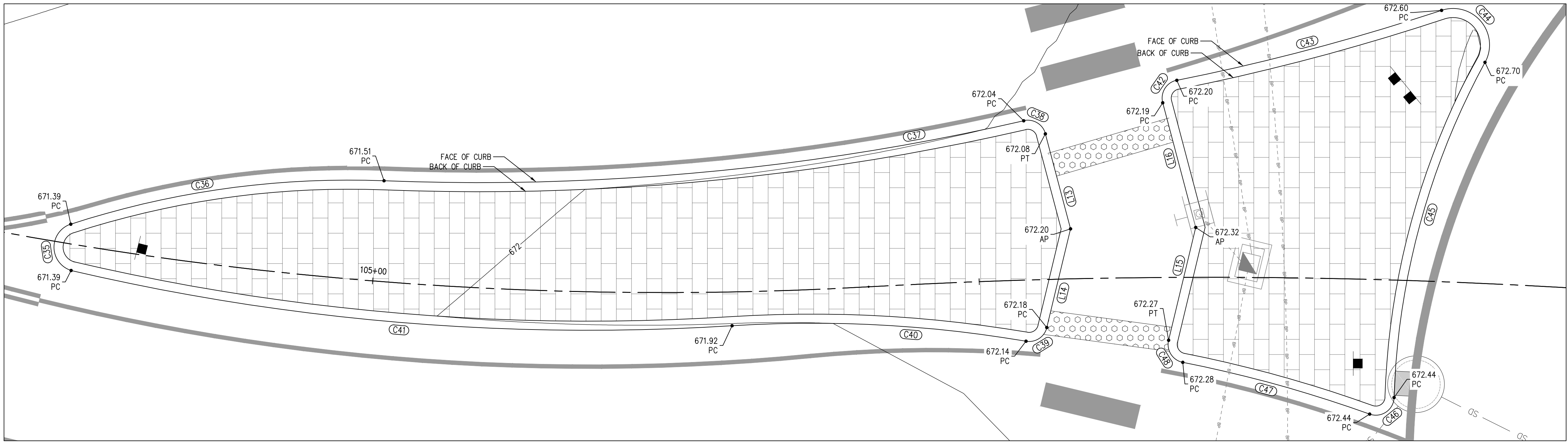


CURVE DATA TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C22	2.91	1.50	111.12	N52° 49' 03"E	2.47
C23	15.91	91.00	10.02	S76° 38' 06"E	15.89
C24	2.46	1.50	93.84	S34° 43' 29"E	2.19
C25	2.32	1.50	88.58	S28° 36' 12"W	2.09
C26	15.42	85.00	10.39	S67° 41' 48"W	15.40
C27	6.59	3.00	125.84	N54° 34' 53"W	5.34
C28	15.85	82.00	11.08	N2° 47' 56"E	15.83
C29	2.21	1.50	84.25	S54° 19' 22"W	2.01
C30	7.46	90.00	4.75	N85° 55' 33"W	7.46
C31	6.61	20.00	18.93	N78° 50' 09"W	6.58
C32	5.42	2.00	155.40	N8° 19' 54"E	3.91
C33	13.40	87.50	8.77	N81° 38' 47"E	13.39
C34	2.28	1.50	87.05	S59° 12' 49"E	2.07

LINE DATA TABLE		
LINE #	LENGTH	BEARING
L9	3.88	S12° 11' 44.19"W
L10	3.58	S15° 41' 13.12"E
L11	2.32	S15° 41' 13.12"E
L12	3.22	S12° 11' 44.19"W

CURVE DATA TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C49	2.88	1.50	110.08	S23° 04' 04"E	2.46
C50	15.69	106.00	8.48	S27° 43' 48"W	15.68
C51	2.37	1.50	90.68	S68° 49' 38"W	2.13
C52	2.61	1.50	99.67	N45° 21' 23"W	2.29
C53	15.61	350.00	2.56	N3° 12' 03"E	15.61
C54	5.90	3.00	112.64	N58° 14' 26"E	4.99
C55	14.59	66.00	12.66	S71° 46' 26"E	14.56
C56	2.27	1.50	86.77	N22° 26' 56"W	2.06
C57	13.03	105.00	7.11	N17° 22' 53"E	13.02
C58	5.85	2.00	167.57	S82° 23' 24"E	3.98
C59	13.41	351.00	2.19	S0° 17' 58"W	13.41
C60	2.24	1.50	85.60	S42° 00' 24"W	2.04

LINE DATA TABLE		
LINE #	LENGTH	BEARING
L17	4.98	N65° 50' 06.11"W
L18	4.47	S84° 48' 30.37"W
L19	2.60	S84° 48' 30.37"W
L20	3.31	N65° 50' 06.11"W

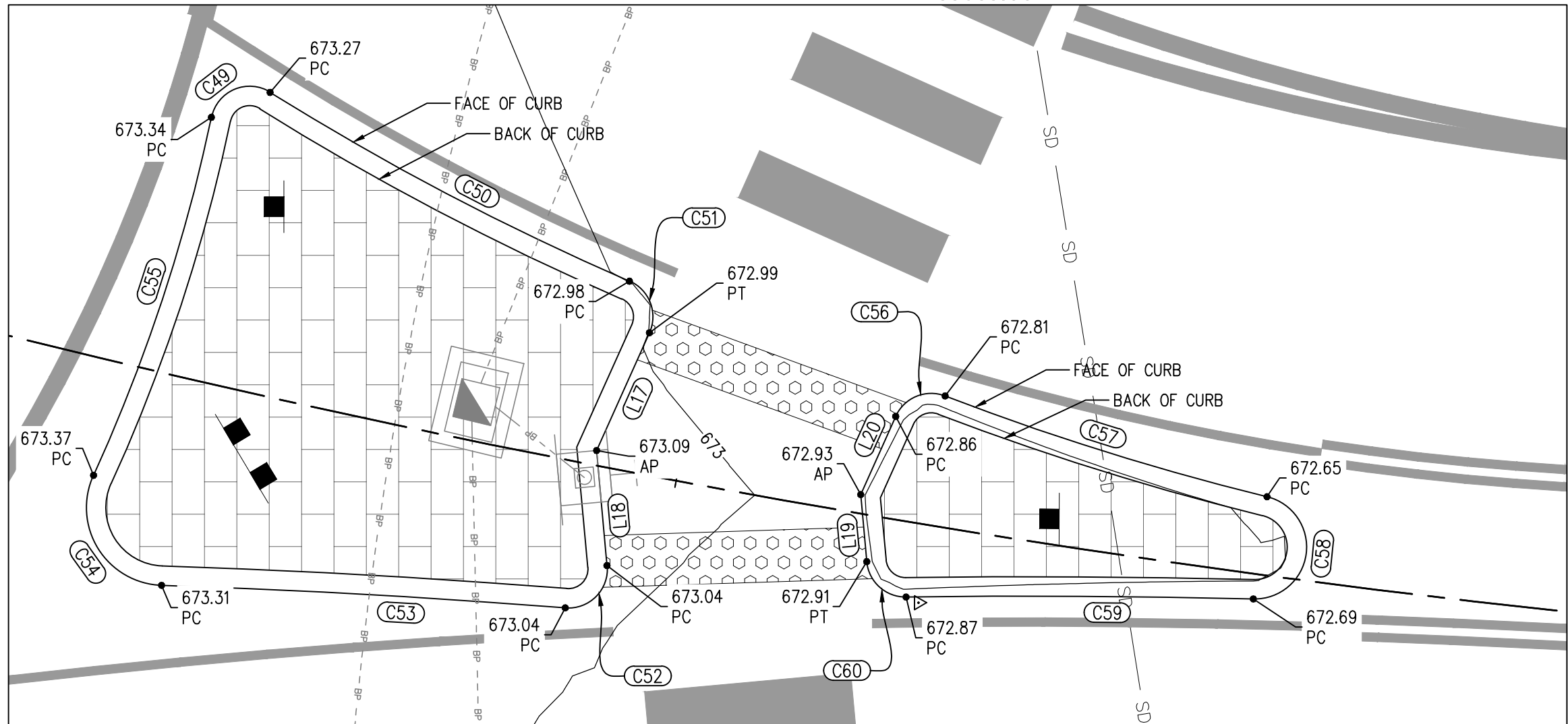


02 SPLITTER ISLAND 'C'
SCALE: 1"=5'



CURVE DATA TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C35	5.05	2.00	144.55	N89° 37' 18"E	3.82
C36	26.18	74.00	20.27	S7° 53' 43"E	26.04
C37	53.07	200.00	15.20	S5° 21' 45"E	52.91
C38	2.31	1.50	88.15	S31° 06' 43"W	2.09
C39	2.25	1.50	86.13	N33° 25' 20"W	2.05
C40	24.30	105.00	13.26	N3° 00' 48"E	24.24
C41	54.82	187.00	16.80	N4° 46' 59"E	54.62
C42	2.45	1.50	93.49	N58° 03' 58"W	2.18
C43	22.57	185.00	6.99	N14° 48' 51"W	22.55
C44	7.16	3.00	136.82	N50° 06' 07"E	5.58
C45	28.88	62.00	26.69	S74° 50' 03"E	28.62
C46	2.83	1.50	108.21	S34° 17' 03"E	2.43
C47	15.99	106.00	8.64	S15° 29' 55"W	15.97
C48	2.42	1.50	92.34	S57° 20' 44"W	2.16

LINE DATA TABLE		
LINE #	LENGTH	BEARING
L13	8.10	S75° 11' 15.60"W
L14	8.36	N76° 29' 12.45"W
L15	9.56	N76° 29' 12.45"W
L16	10.62	S75° 11' 15.60"W



03 SPLITTER ISLAND 'D'
SCALE: 1"=5'



HORIZONTAL SCALE: 1"=5'



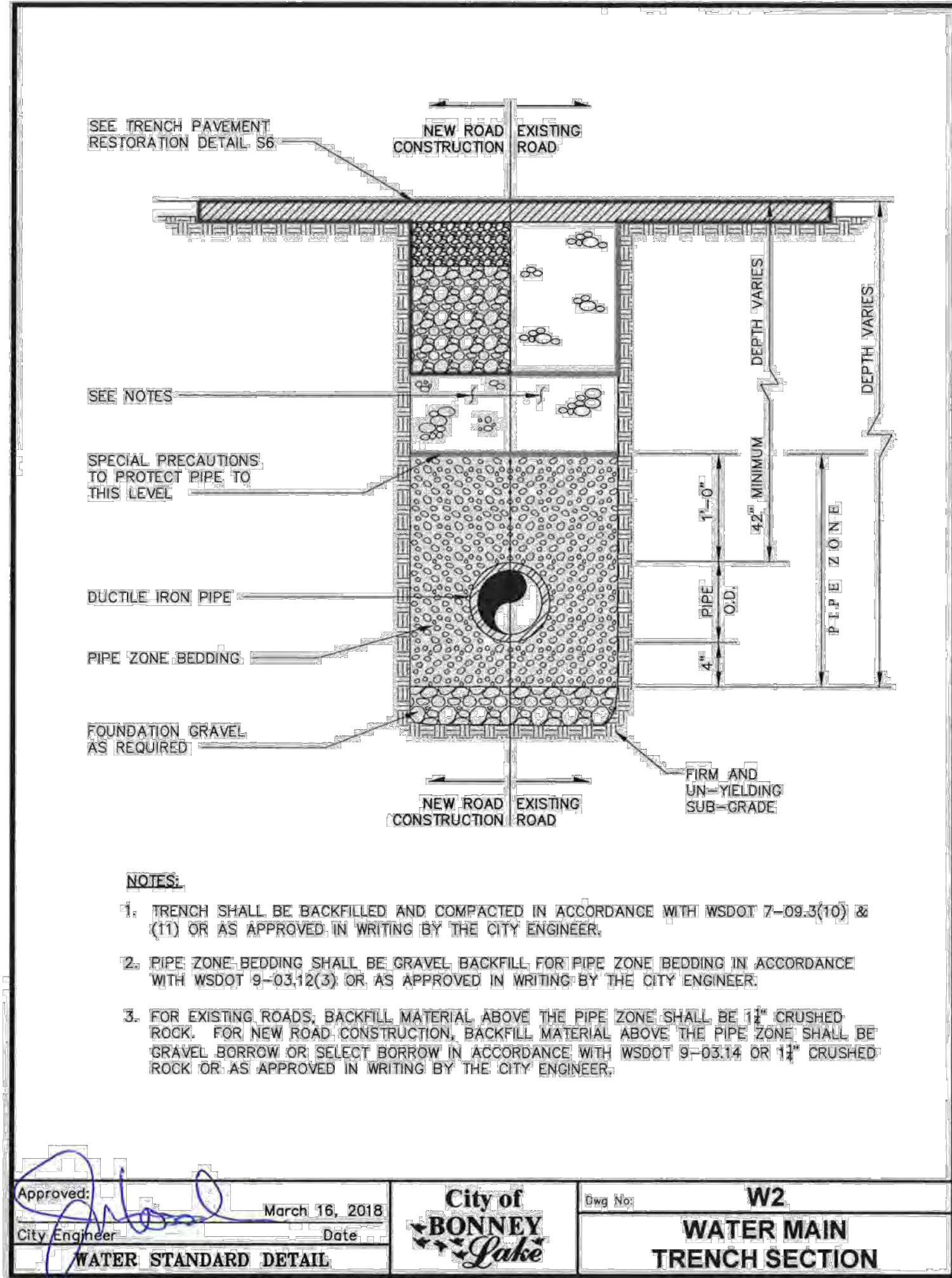
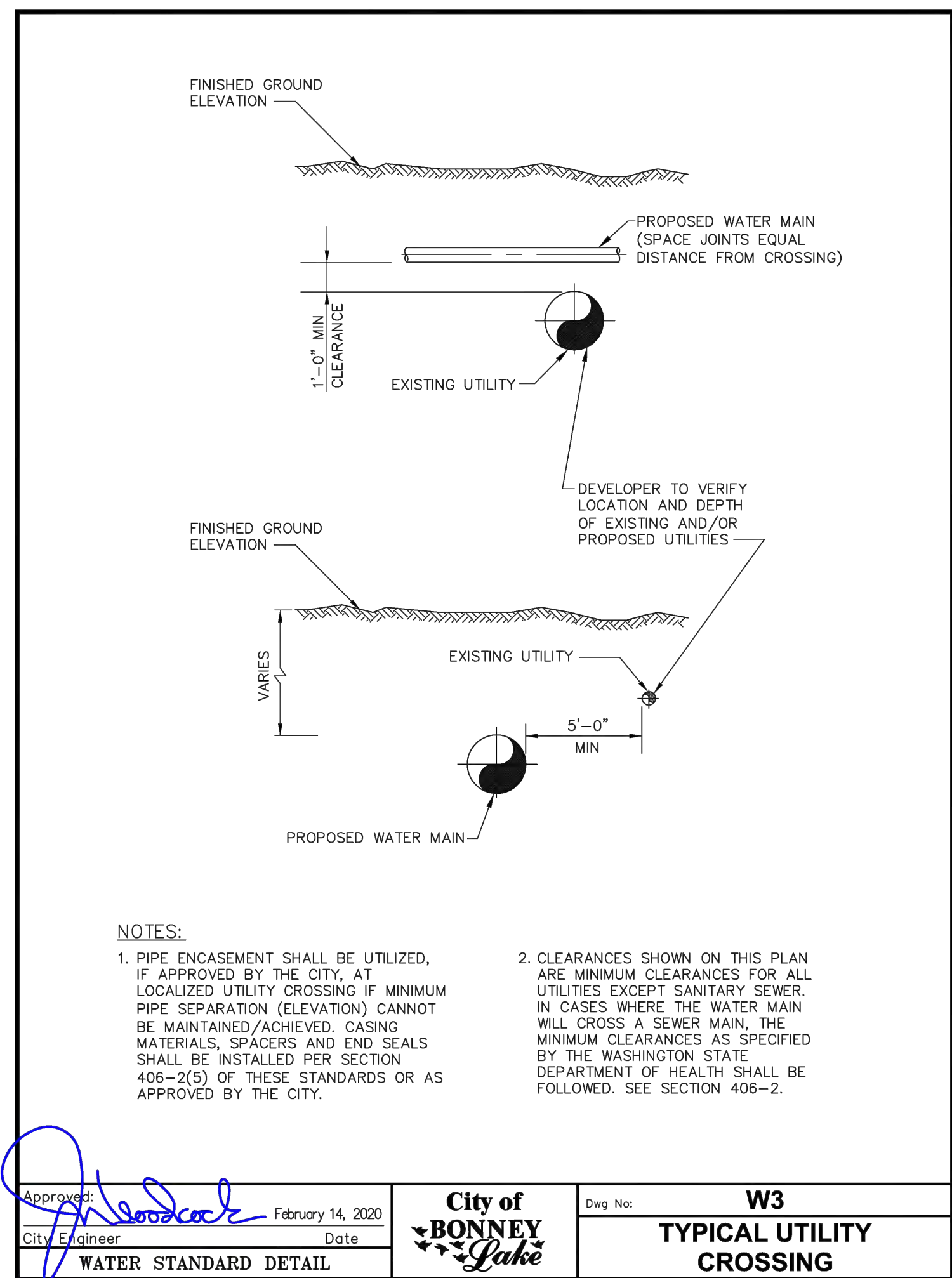
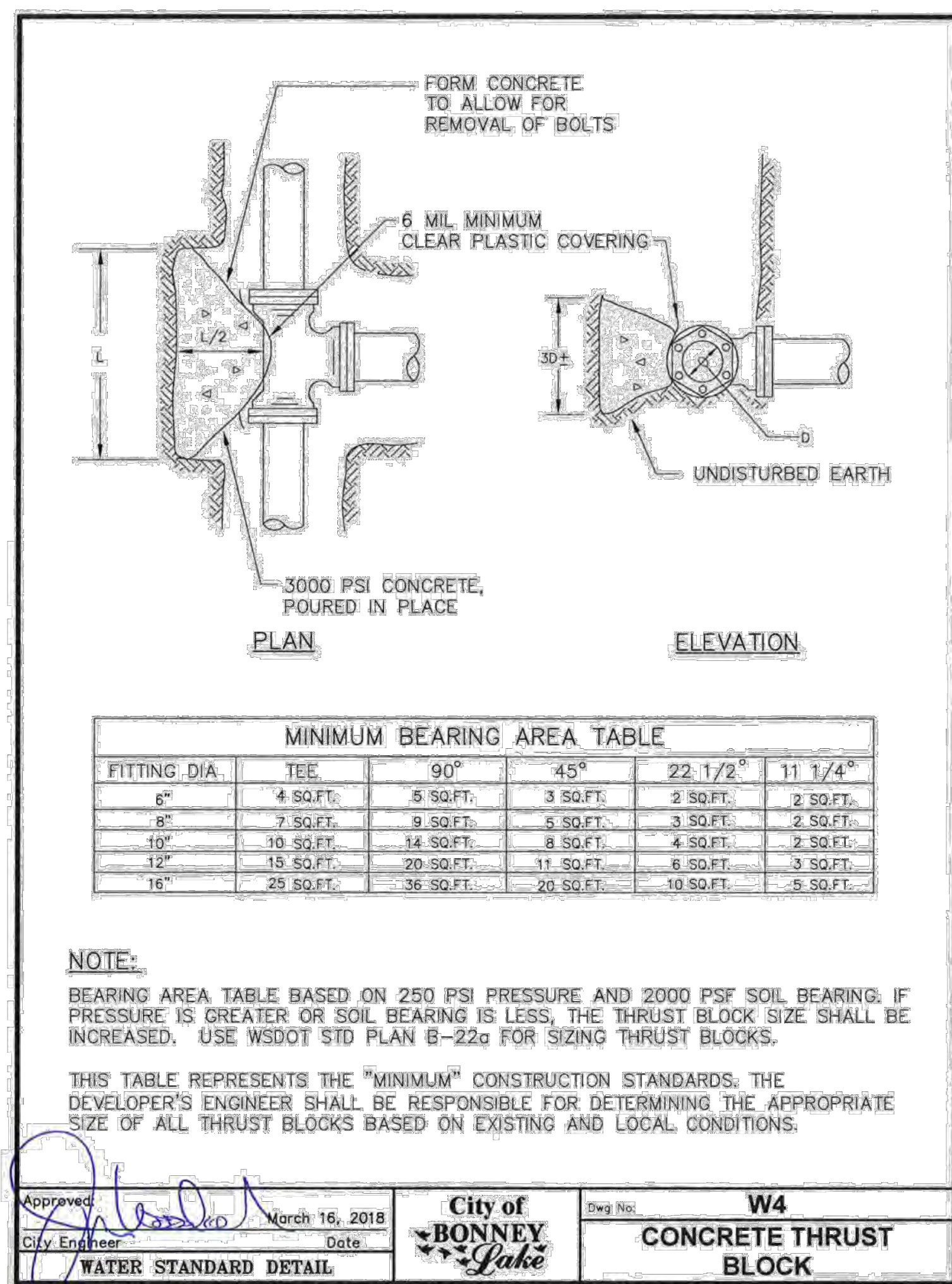
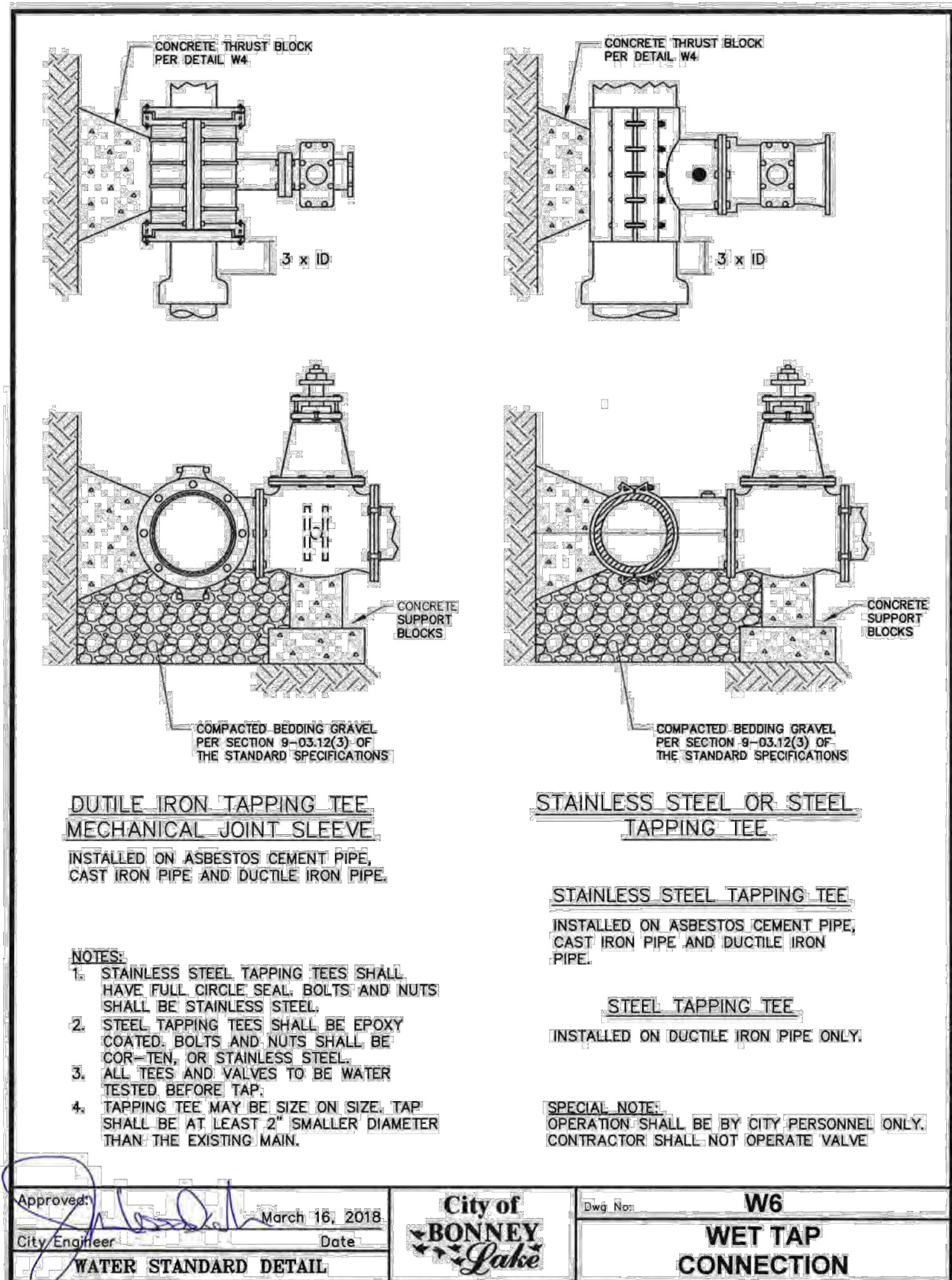
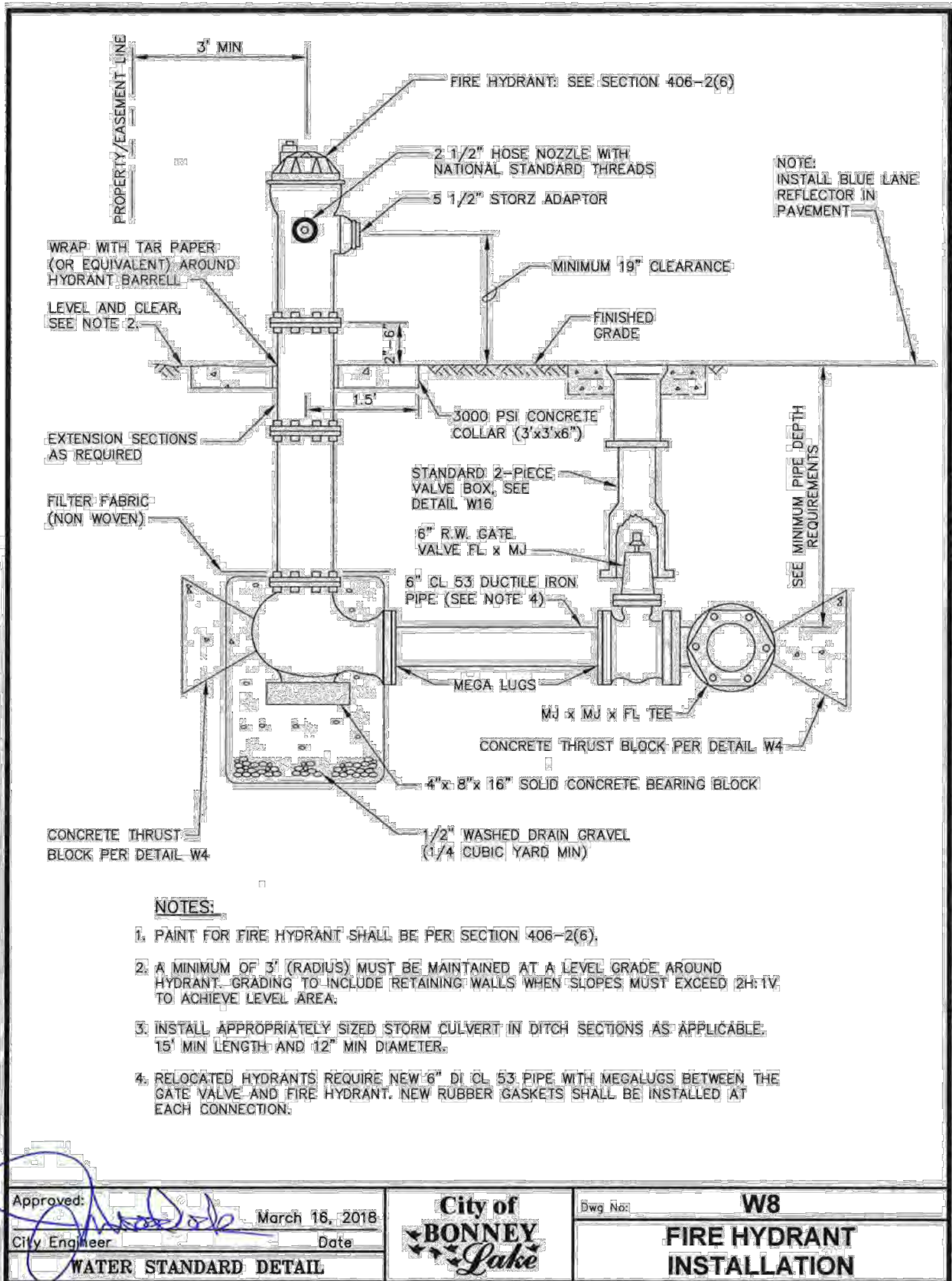
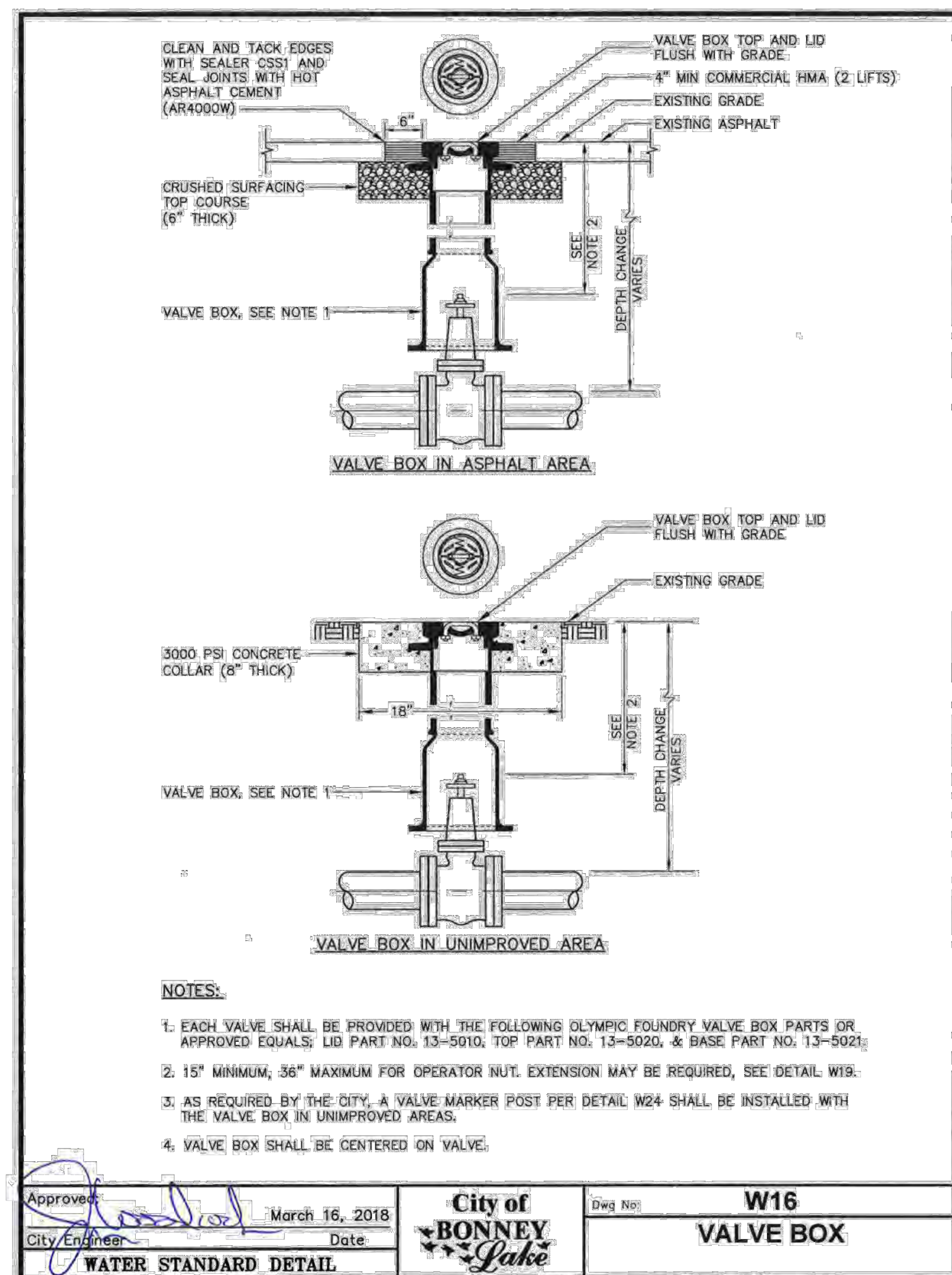
APPROVED
BY: CITY OF BONNEY LAKE
CITY ENGINEER, PE
DATE: _____
Plans meet current Development Policies and Public Works Design Standards.

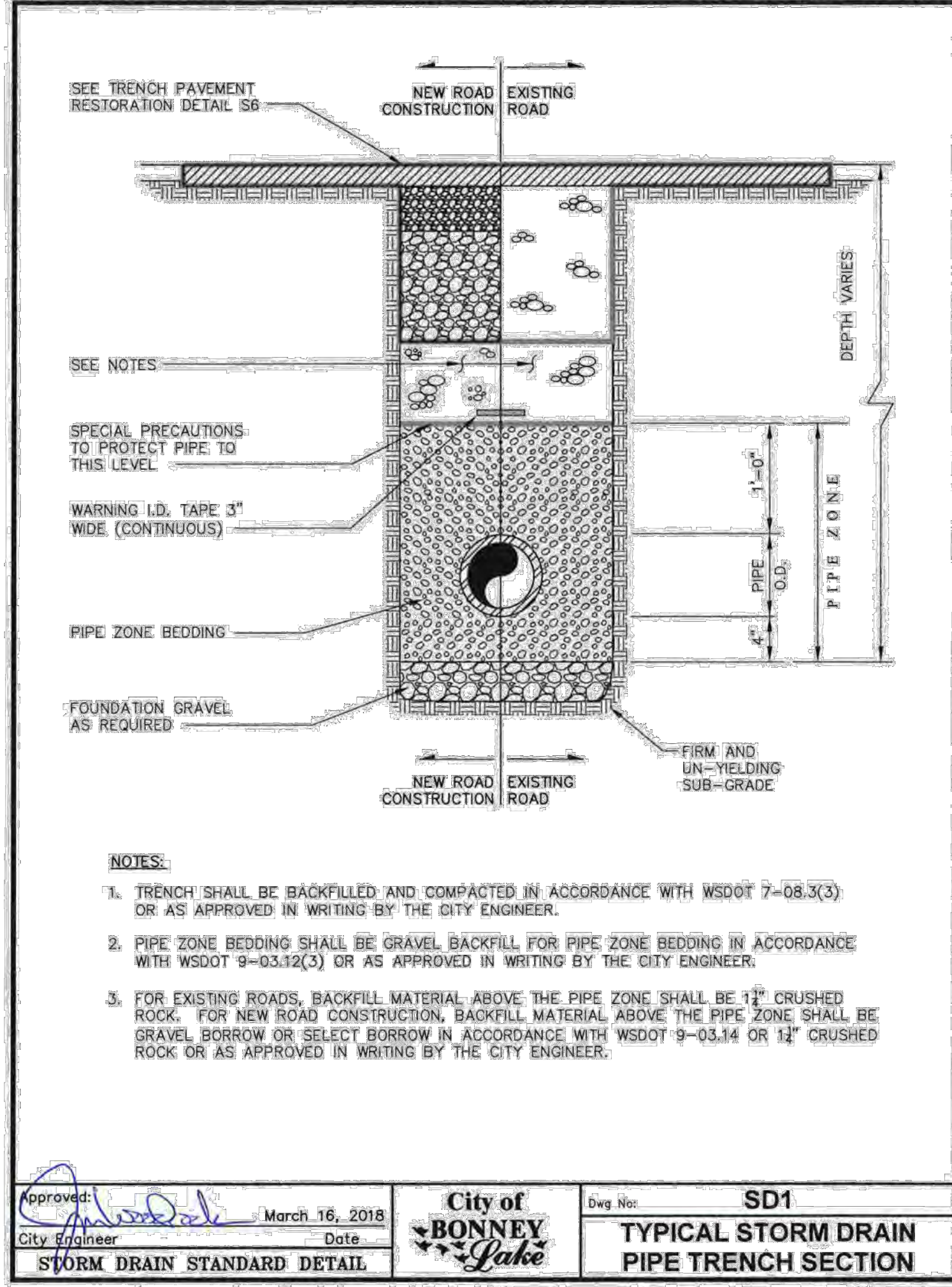
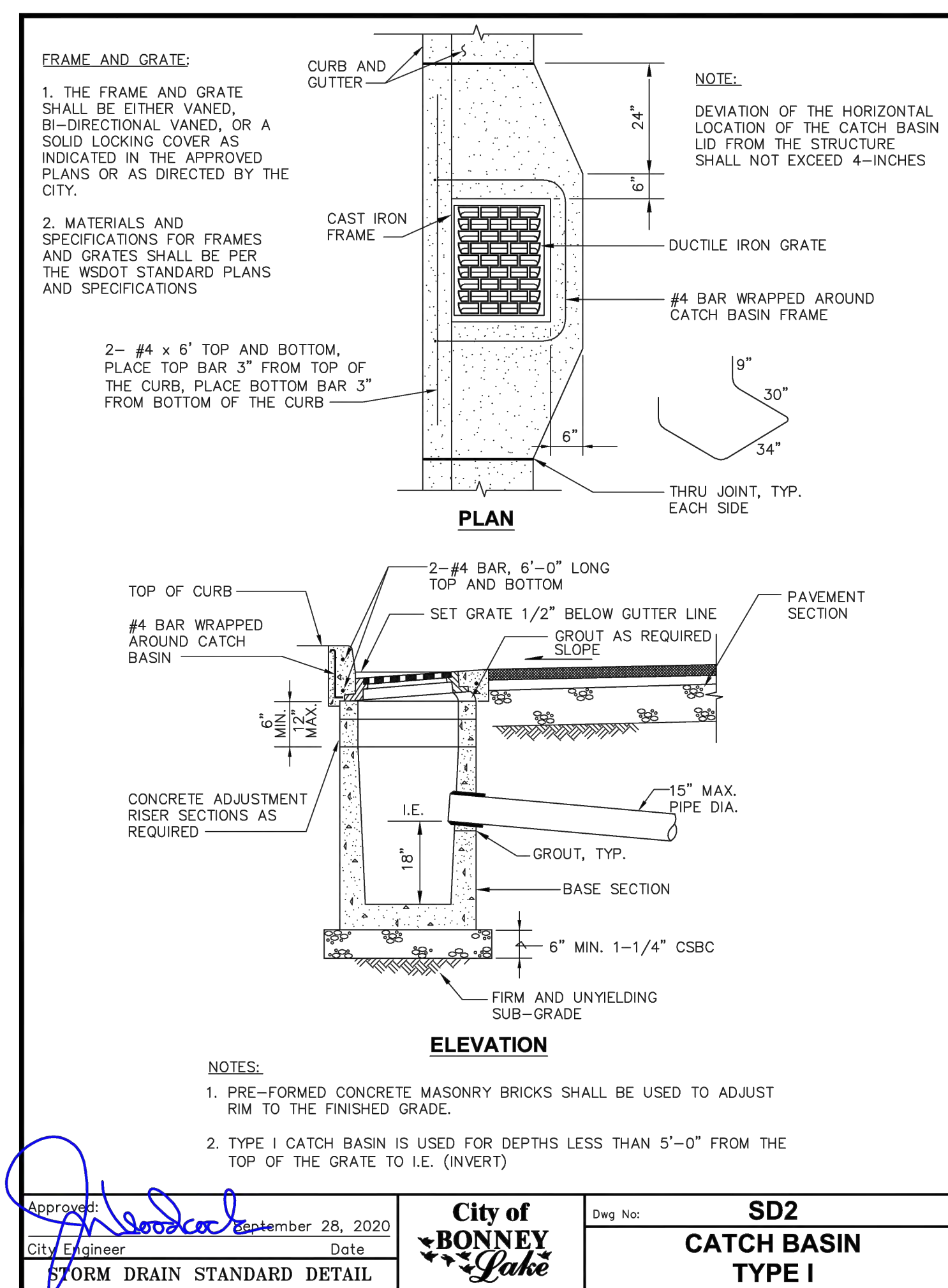
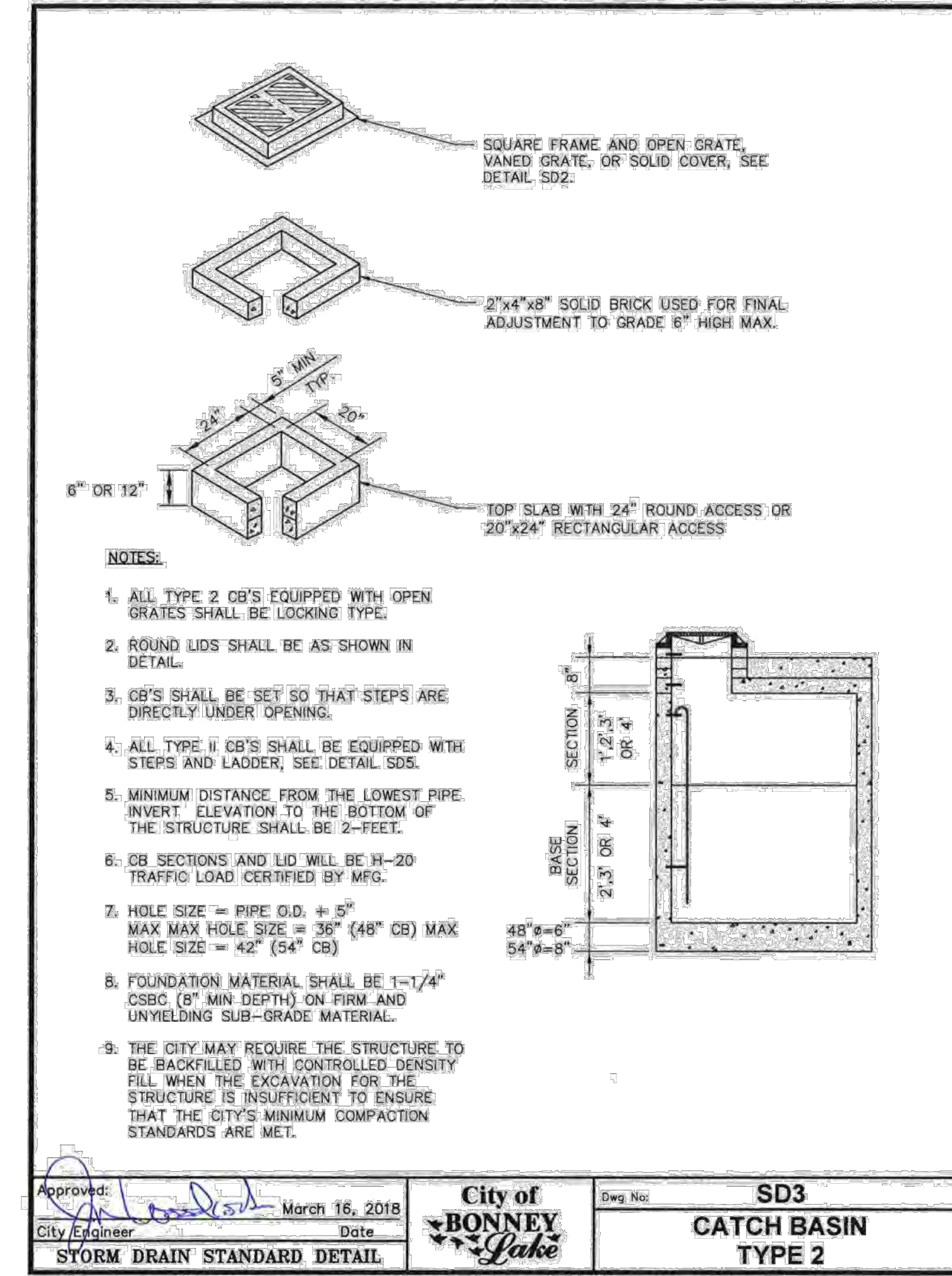
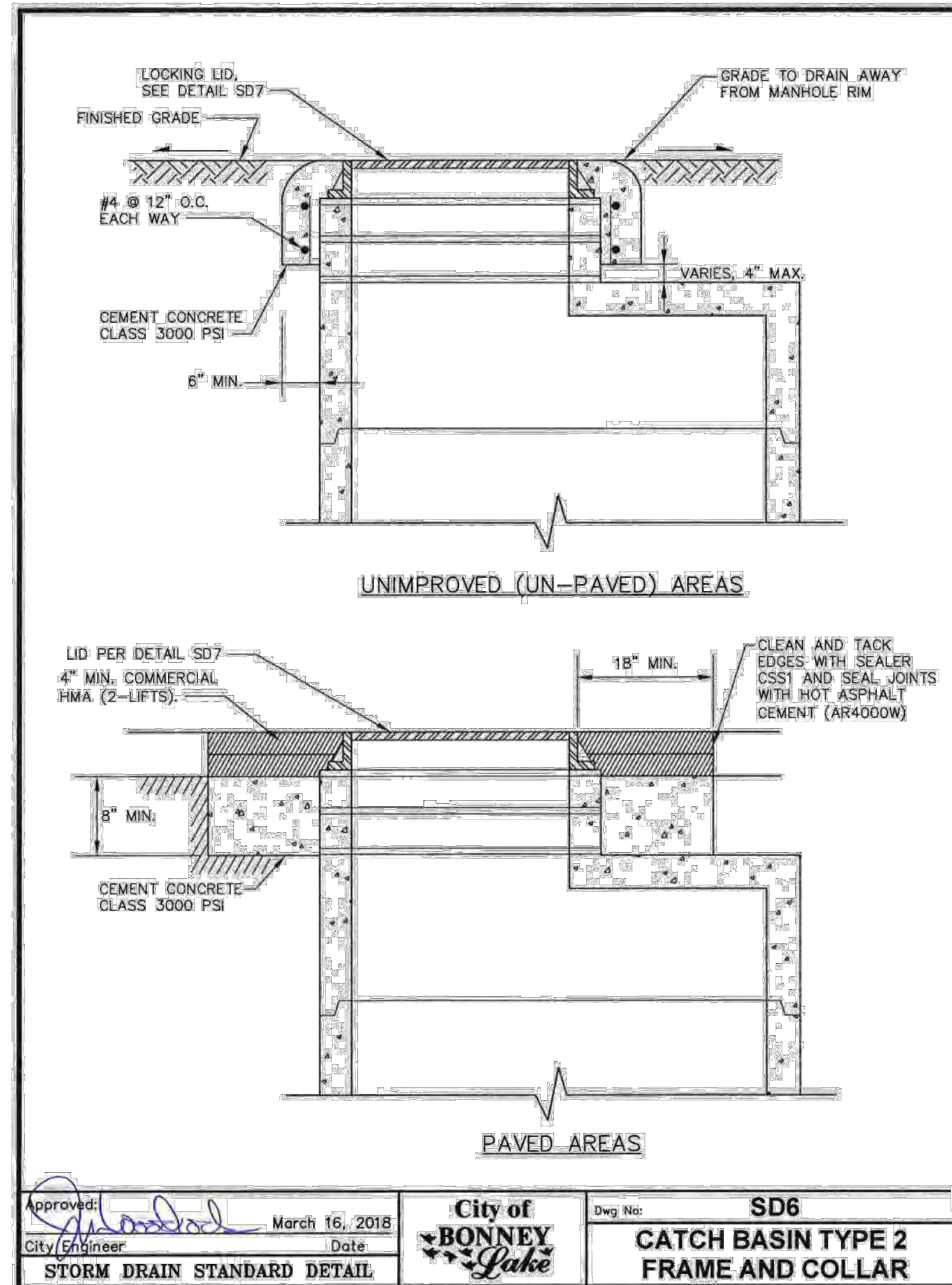
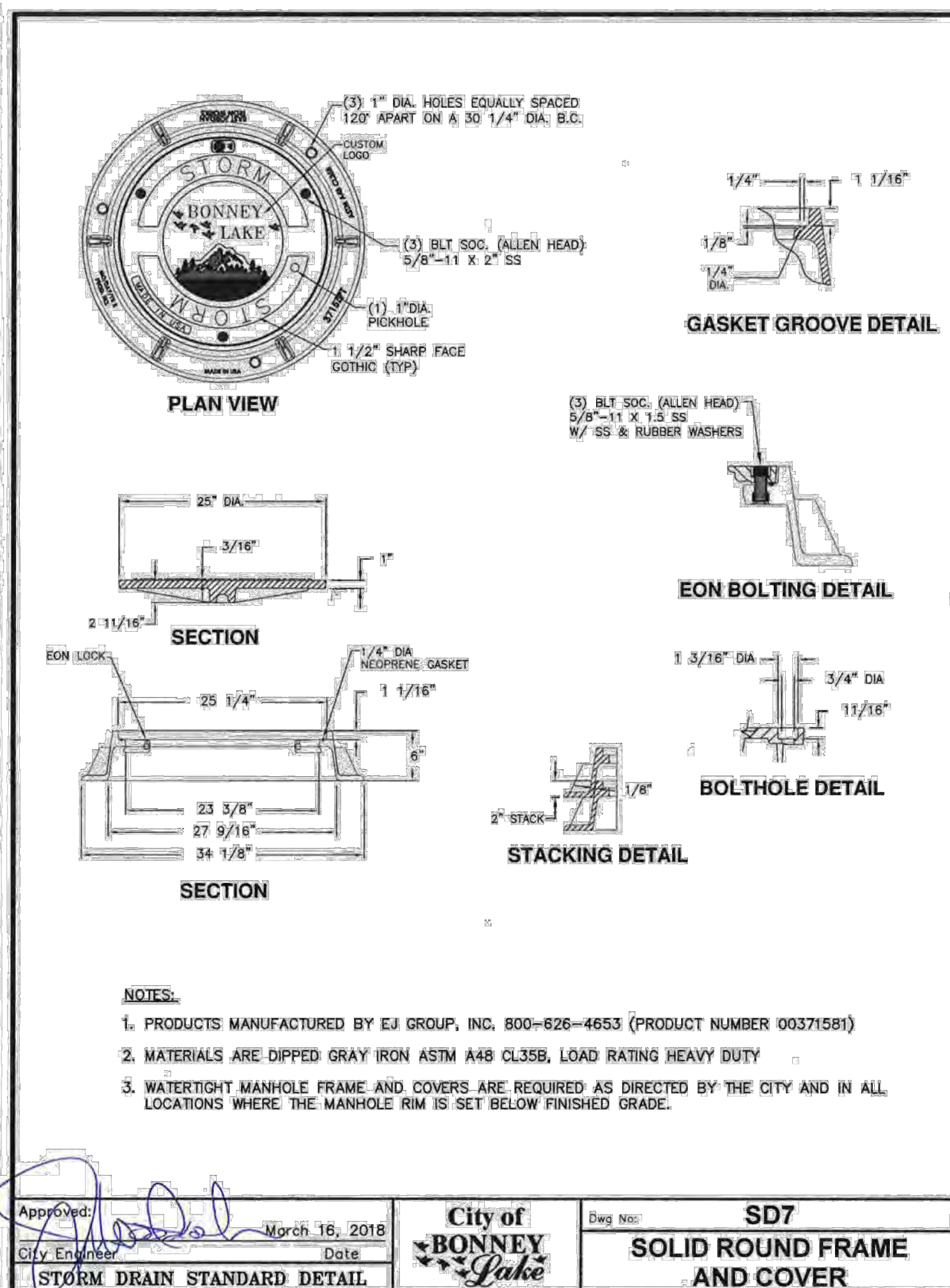
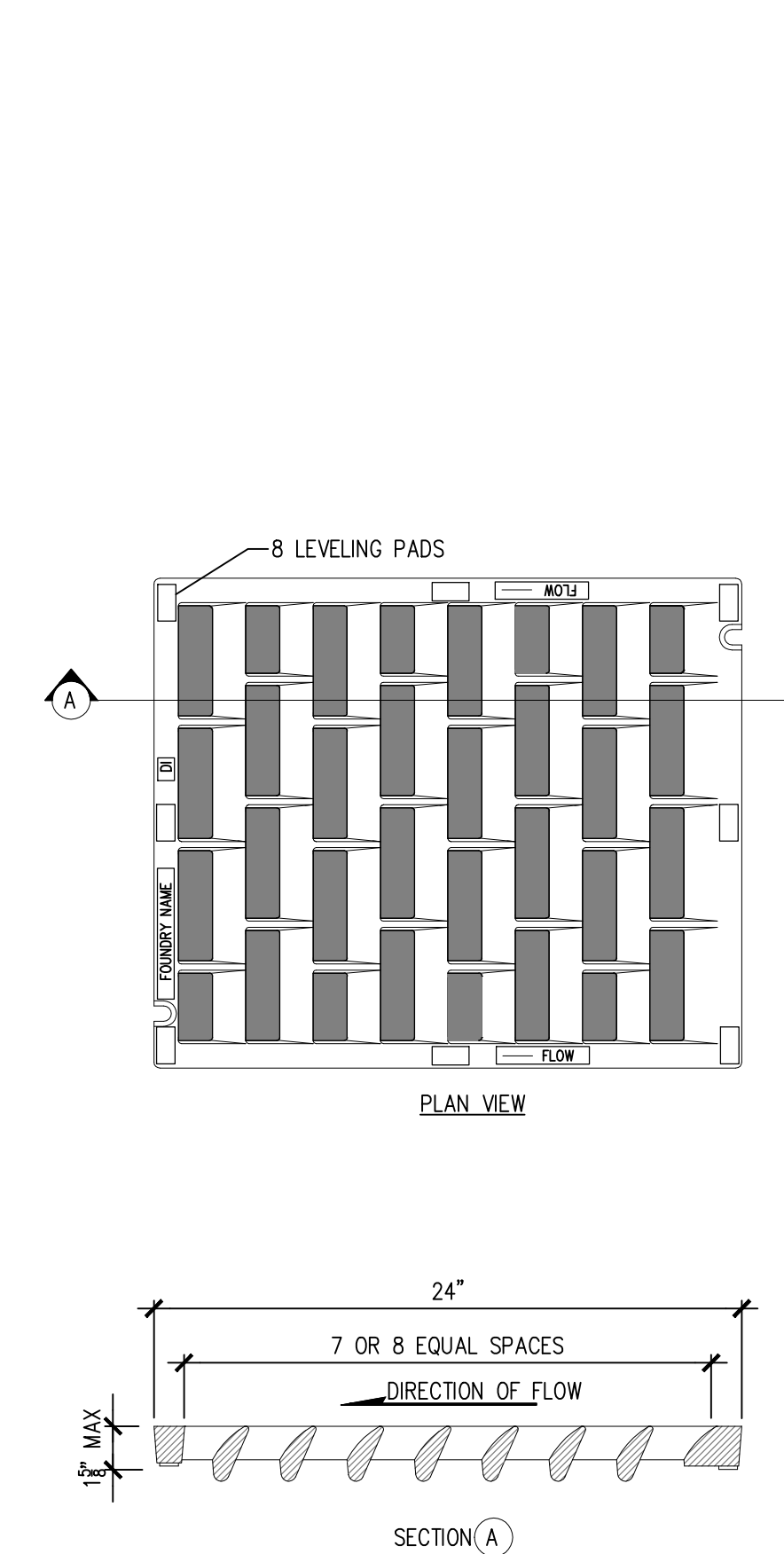
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DRAWN: KNL
CHECKED: DDF
DATE: 11/01/2025
SCALE: AS NOTED

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PROJECT: SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
SHEET TITLE: GRADING ENLARGMENTS
SHEET NO: C3.12
PROJECT NO: 20931

SUMNER-BONNEY LAKE SCHOOL DISTRICT
SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305





01 VANED GRATE
SCALE: N.T.S.

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two business days before you dig

APPROVED
BY: CITY OF BONNEY LAKE
CITY ENGINEER, PE
DATE: _____

Plans meet current Development Policies and Public Works Design Standards.

PROJECT: SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
SHEET TITLE: GRADING AND DRAINAGE DETAILS
SHEET NO: C3.14
PROJECT NO: 20931

PREPARED BY: SUMNER-BONNEY LAKE SCHOOL DISTRICT
SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

PREPARED FOR: **sitts & hill**
CIVIL / STRUCTURAL / ARCHITECTURAL / SURVEY
4815 CENTER STREET | TACOMA, WA 98409
PHONE (253) 744-9449 | FAX: (253) 474-0153
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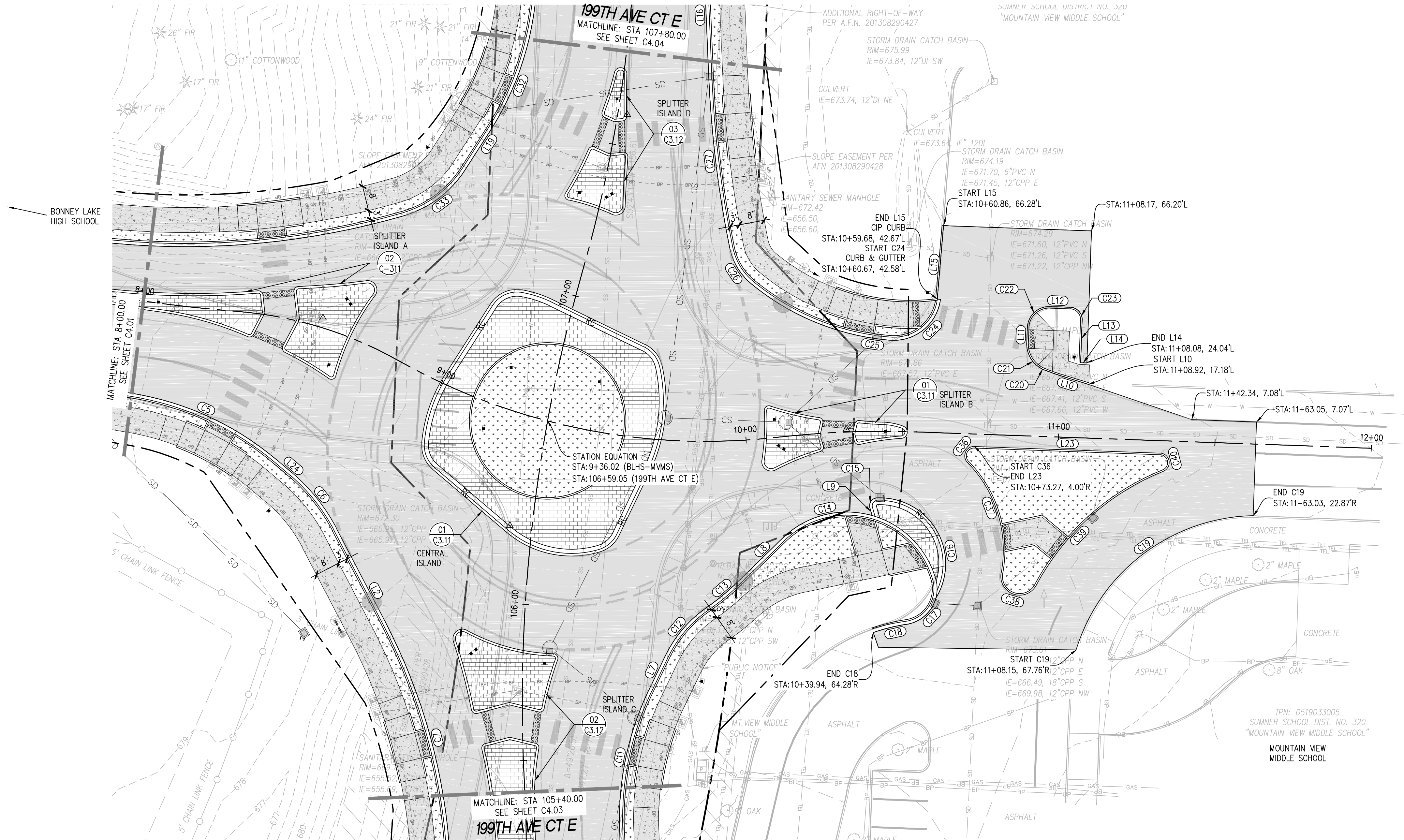
APPROVALS:
DESIGNED: DDF
DRAWN: KNL
CHECKED: DDF
DATE: 11/01/2025
SCALE: AS NOTED

REVISIONS:
01/20/2026

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PAVING AND SURFACING PLAN
SCALE: 1"=20'

MVMS ISLAND CURVE/LINE DATA TABLE

CURVE DATA TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C36	7.15	3.00	136.49	S23° 48' 25"W	5.57
C37	38.34	40.00	54.91	S16° 58' 49"E	36.89
C38	16.99	6.00	162.28	S70° 39' 52"E	11.86
C39	55.64	80.00	39.85	N48° 07' 09"E	54.52
C40	8.17	3.00	155.99	N9° 57' 12"W	5.87

LINE DATA TABLE		
LINE #	LENGTH	BEARING
L23	59.33	N87° 56' 58.43"W

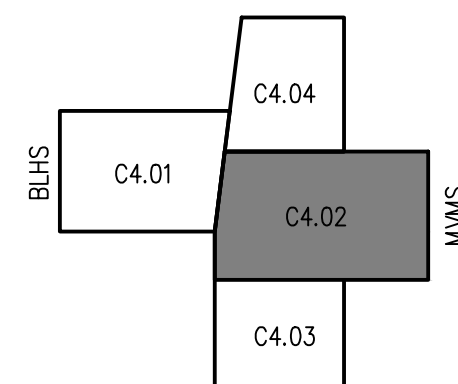
CURVE DATA TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C5	52.63	95.00	31.74	N65° 28' 12"W	51.96
C6	23.06	60.00	22.02	N38° 35' 14"W	22.92
C7	108.47	185.00	33.59	N10° 46' 42"W	106.92
C11	46.75	95.00	28.20	S11° 35' 08"W	46.28
C12	20.64	40.00	29.56	S40° 28' 01"W	20.41
C13	12.53	76.00	9.45	S50° 31' 28"W	12.52
C14	30.90	29.50	60.02	S75° 48' 28"W	29.51
C15	4.51	2.50	103.33	S35° 57' 47"W	3.92
C16	45.44	21.00	123.97	N30° 23' 05"W	37.08
C17	13.36	11.50	66.54	N48° 11' 09"E	12.62
C18	10.92	58.63	10.67	S76° 07' 16"W	10.90
C19	75.86	60.64	71.67	S52° 48' 37"W	71.01
C20	10.52	9.00	66.99	S33° 54' 58"E	9.93
C21	10.52	9.00	66.99	S33° 54' 58"E	9.93
C22	10.98	7.00	89.86	S47° 05' 28"W	9.89
C23	6.28	4.00	90.00	N42° 58' 46"W	5.66
C24	22.86	14.97	87.47	N51° 03' 15"E	20.70
C25	48.61	80.00	34.81	S67° 50' 44"E	47.86
C26	13.59	20.00	38.93	S30° 58' 31"E	13.33
C27	55.68	350.00	9.11	S6° 57' 15"E	55.62
C32	53.95	95.00	32.54	N16° 28' 20"E	53.23
C33	25.12	35.00	41.12	N53° 18' 09"E	24.59

LINE DATA TABLE		
LINE #	LENGTH	BEARING
L2	33.44	N27° 34' 30.29"W
L7	12.04	S25° 41' 03.69"W
L8	20.34	S45° 47' 59.21"W
L9	2.55	S15° 42' 12.15"E
L10	10.21	S72° 46' 22.05"E
L11	5.24	S2° 09' 42.23"W
L12	6.39	N87° 58' 45.55"W
L13	13.59	N2° 01' 14.45"E
L14	2.00	N87° 58' 45.55"W
L15	23.63	N4° 54' 40.48"E
L19	14.54	N32° 44' 26.20"E
L24	2.26	S49° 35' 58.52"E

- LEGEND**
PROPOSED FEATURES-
- RIGHT-OF-WAY LINE
 - ALIGNMENT CENTERLINE
 - CONCRETE CURB & CUTTER
SEE CITY STD. DETAIL S10/C4.05.
 - CAST-IN-PLACE (CIP) CONCRETE CURB
SEE DETAIL 02/C4.05.
 - ASPHALT PAVEMENT
SEE DETAIL 01/C4.05.
 - CONCRETE WALK
SEE CITY STD. DETAIL S8/C4.05.
 - STAMPED CONCRETE, SEE GENERAL NOTE 5
 - LANDSCAPING, SEE LANDSCAPE PLANS.
 - SIGN, SEE CH.X CHANNELIZATION PLANS.

- GENERAL NOTES**
- SEE SHEET C0.01 FOR PROJECT NOTES AND REQUIREMENTS.
 - STATION AND OFFSET CALLOUTS ARE FROM 'BLHS-MVMS' CENTERLINE STATIONING.
 - ALL STATION/OFFSET CALLOUTS AND DIMENSIONS ARE TO THE EDGE OF PAVEMENT, EDGE OR CONCRETE WALK, OR FACE OF CURB UNLESS NOTED OTHERWISE.
 - SEE SHEETS C3.05 AND C3.06 FOR TYPICAL ROAD SECTIONS.
 - FOR CONCRETE PAVEMENT SECTION REQUIREMENTS AT SPLITTER ISLANDS AND AT THE CENTRAL ISLAND SEE DETAIL 05 ON SHEET C4.05. PROVIDE INTEGRALLY COLORED RED PCC PAVEMENT WITH BRICK-PATTERN STAMPED FINISH AT ALL ROUNDABOUT SPLITTER ISLANDS AND AT THE CENTRAL ISLAND. CONCRETE COLOR SHALL BE UNIFORM THROUGH THE FULL DEPTH. PROVIDE SUP-RESISTANT (LIGHT-BROOMED) FINISH. COORDINATE CONTROL AND CONSTRUCTION JOINT LAYOUT WITH THE STAMPED BRICK PATTERN SUCH THAT JOINTS ALIGN WITH SIMULATED BRICK JOINTS TO THE MAXIMUM EXTENT PRACTICABLE. SUBMIT PROPOSED JOINT AND PATTERN LAYOUT FOR ENGINEER APPROVAL PRIOR TO SAWCUTTING. INSTALL PER PROJECT PAVEMENT SECTION AND WSDOT STANDARD SPECIFICATIONS.

KEY PLAN



HORIZONTAL SCALE: 1"=20'

APPROVED

BY: _____

CITY OF BONNEY LAKE
CITY ENGINEER, PE

DATE: _____

Plans meet current
Development Policies and
Public Works Design Standards.

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before you dig

DESIGNED: DDF
DRAWN: KNL
CHECKED: DDF
DATE: 11/01/2025
SCALE: AS NOTED

APPROVALS

SEAL

PREPARED BY: **sitts & hill**
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BONNEY LAKE, WA 98391

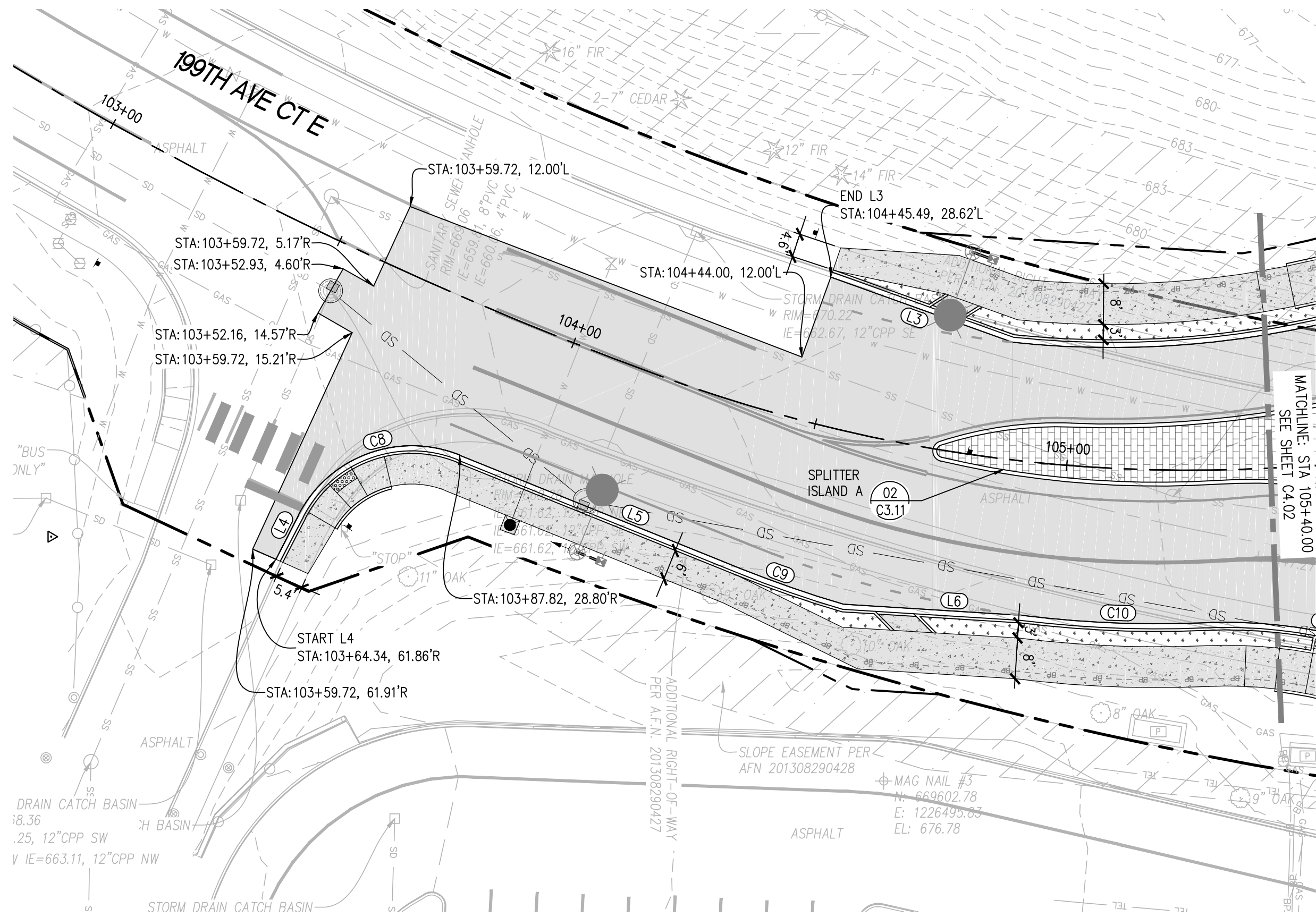
SUMNER-BONNEY LAKE SCHOOL DISTRICT
SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

PROJECT NO. 20931

SHEET NO. C4.02

PAVING AND SURFACING PLAN

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PAVING AND SURFACING PLAN
SCALE: 1"=20'

LEGEND

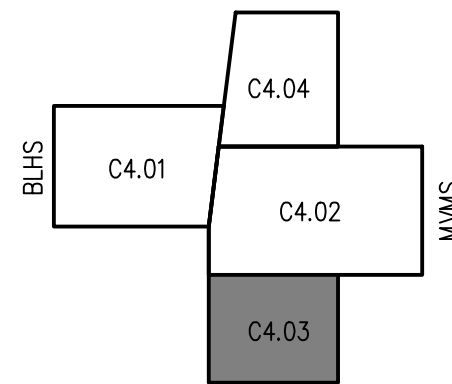
PROPOSED FEATURES-

- RIGHT-OF WAY LINE
- ALIGNMENT CENTERLINE
- CONCRETE CURB & CUTTER
SEE CITY STD. DETAIL S10/C4.05.
- CAST-IN-PLACE (CIP) CONCRETE CURB
SEE DETAIL 02/C4.05.
- ASPHALT PAVEMENT
SEE DETAIL 01/C4.05.
- CONCRETE WALK
SEE CITY STD. DETAIL S8/C4.05.
- STAMPED CONCRETE, SEE GENERAL NOTE 5
- LANDSCAPING, SEE LANDSCAPE PLANS.
- SIGN, SEE CH.X CHANNELIZATION PLANS.

GENERAL NOTES

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- ALL STATION/OFFSET CALLOUTS AND DIMENSIONS ARE TO THE EDGE OF PAVEMENT, EDGE OR CONCRETE WALK, OR FACE OF CURB UNLESS NOTED OTHERWISE.
- SEE SHEETS C3.05 AND C3.06 FOR TYPICAL ROAD SECTIONS.
- FOR CONCRETE PAVEMENT SECTION REQUIREMENTS AT SPLITTER ISLANDS AND AT THE CENTRAL ISLAND SEE DETAIL 05 ON SHEET C4.05. PROVIDE INTEGRALLY COLORED RED PCC PAVEMENT WITH BRICK-PATTERN STAMPED FINISH AT ALL ROUNDABOUT SPLITTER ISLANDS AND AT THE CENTRAL ISLAND. CONCRETE COLOR SHALL BE UNIFORM THROUGH THE FULL DEPTH. PROVIDE SUP-RESISTANT (LIGHT-BROOMED) FINISH. COORDINATE CONTROL AND CONSTRUCTION JOINT LAYOUT WITH THE STAMPED BRICK PATTERN SUCH THAT JOINTS ALIGN WITH SIMULATED BRICK JOINTS TO THE MAXIMUM EXTENT PRACTICABLE. SUBMIT PROPOSED JOINT AND PATTERN LAYOUT FOR ENGINEER APPROVAL PRIOR TO SAWCUTTING. INSTALL PER PROJECT PAVEMENT SECTION AND WSDOT STANDARD SPECIFICATIONS.

KEY PLAN



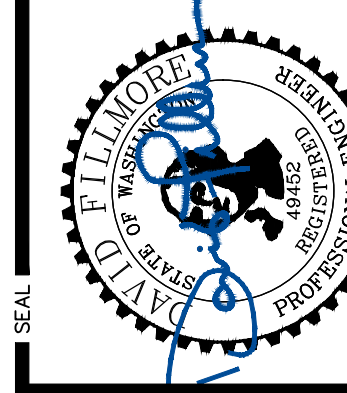
HORIZONTAL SCALE: 1"=20'
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APPROVED	
BY	CITY OF BONNEY LAKE CITY ENGINEER, PE
DATE	
Plans meet current Development Policies and Public Works Design Standards.	

DESIGNED	DF
DRAWN	KNL
CHECKED	DF
DATE	11/01/2025
SCALE	AS NOTED

DESIGNED	DF
DRAWN	KNL
CHECKED	DF
DATE	11/01/2025
SCALE	AS NOTED

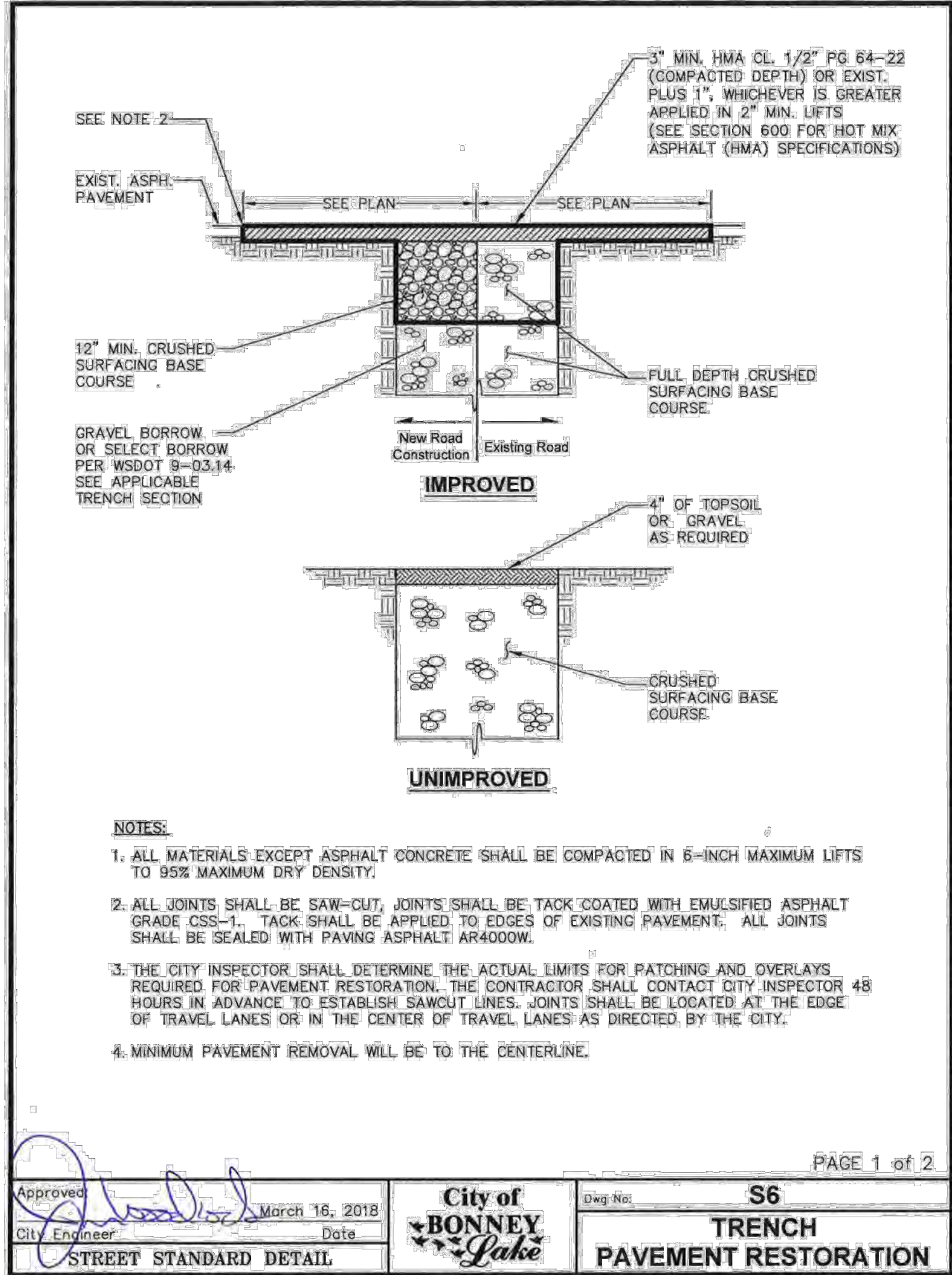
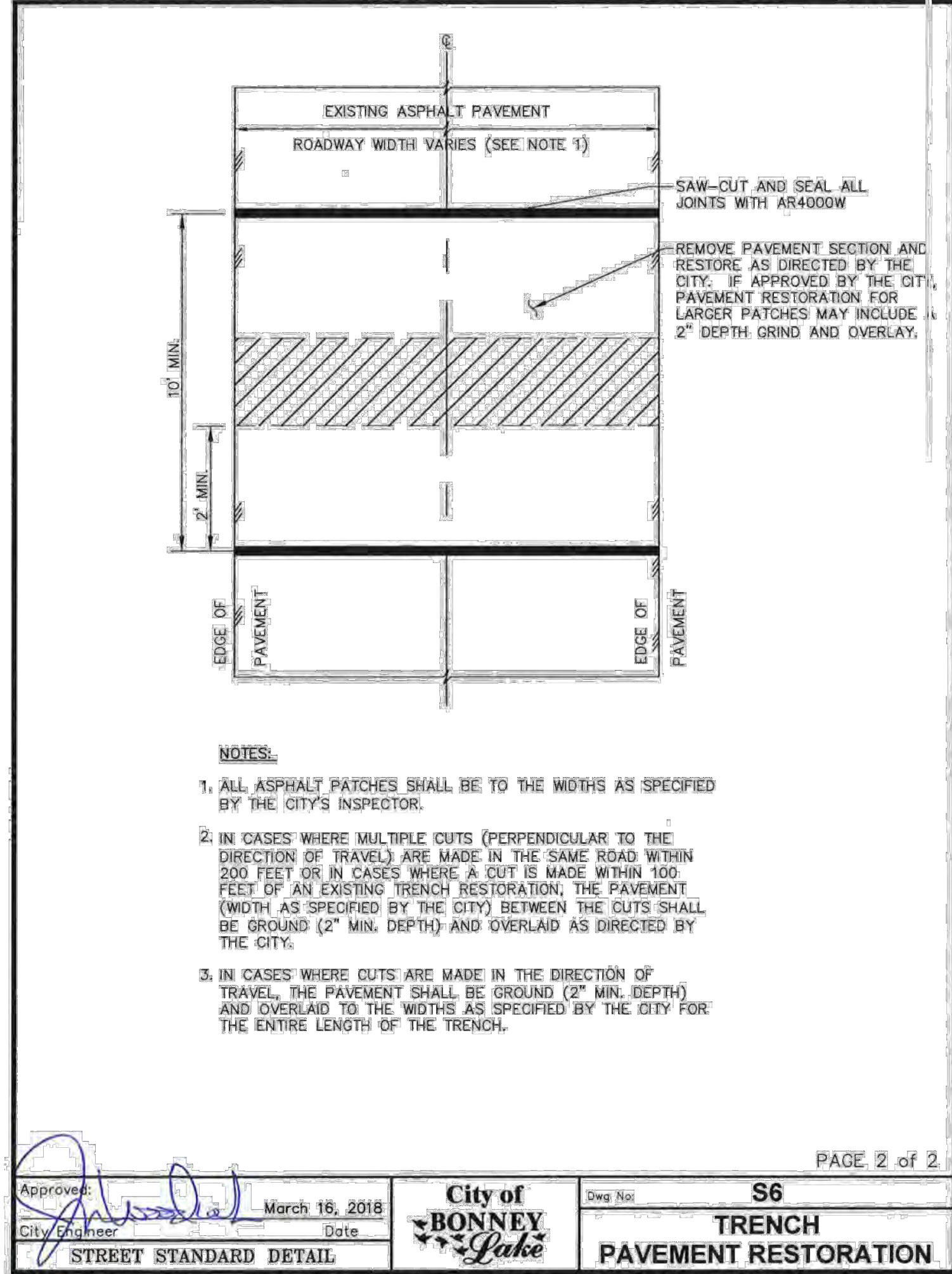
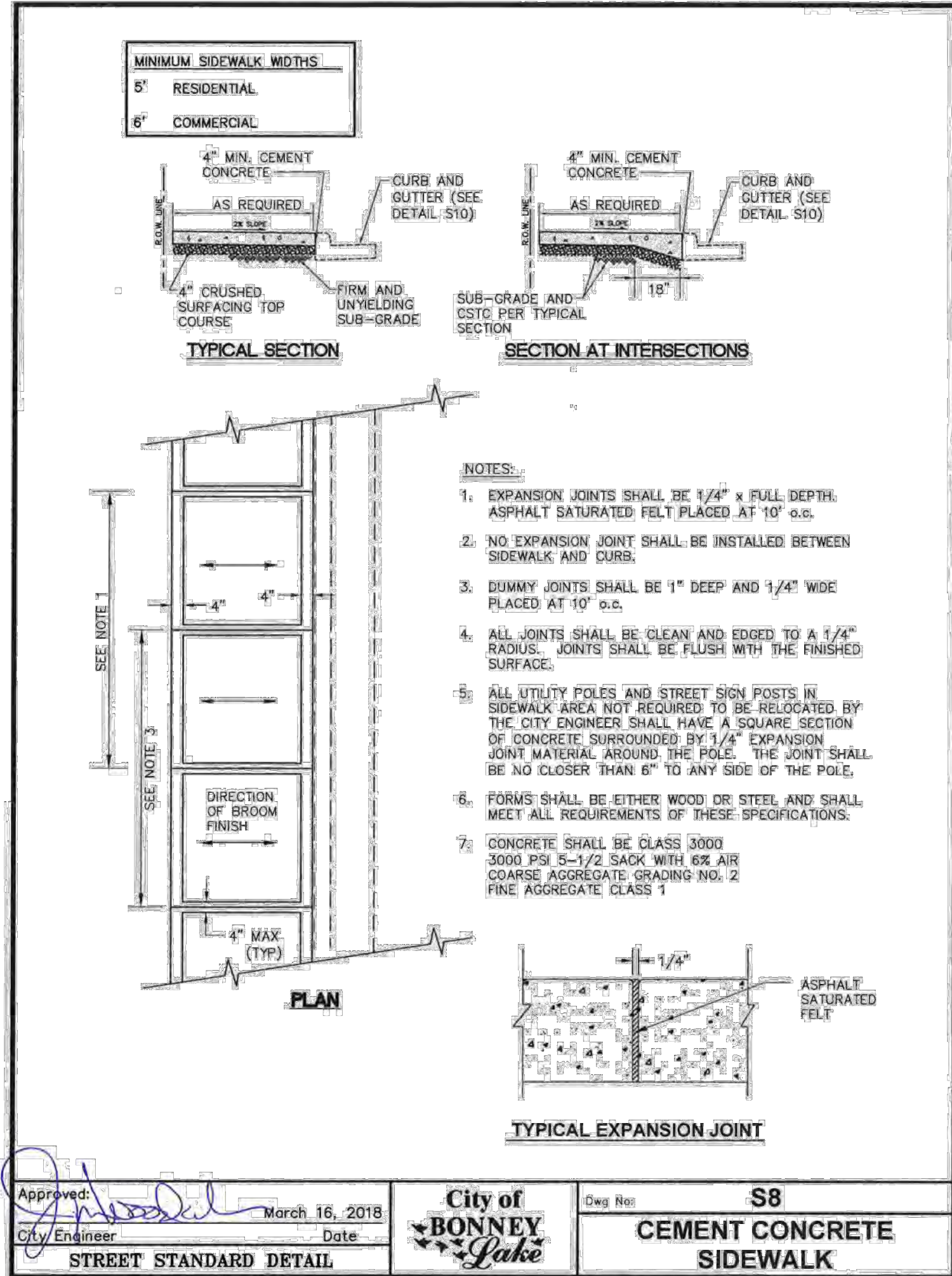
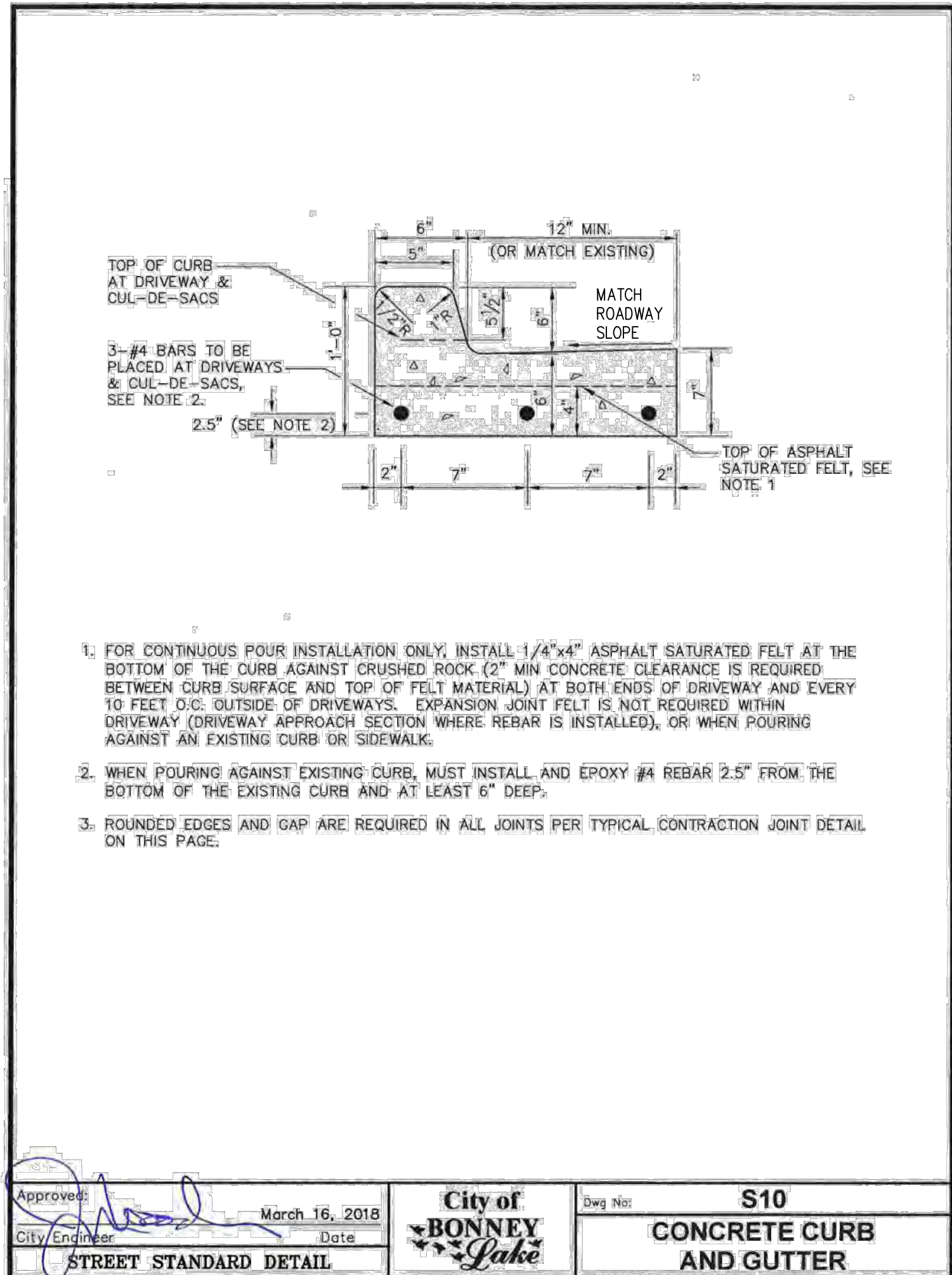
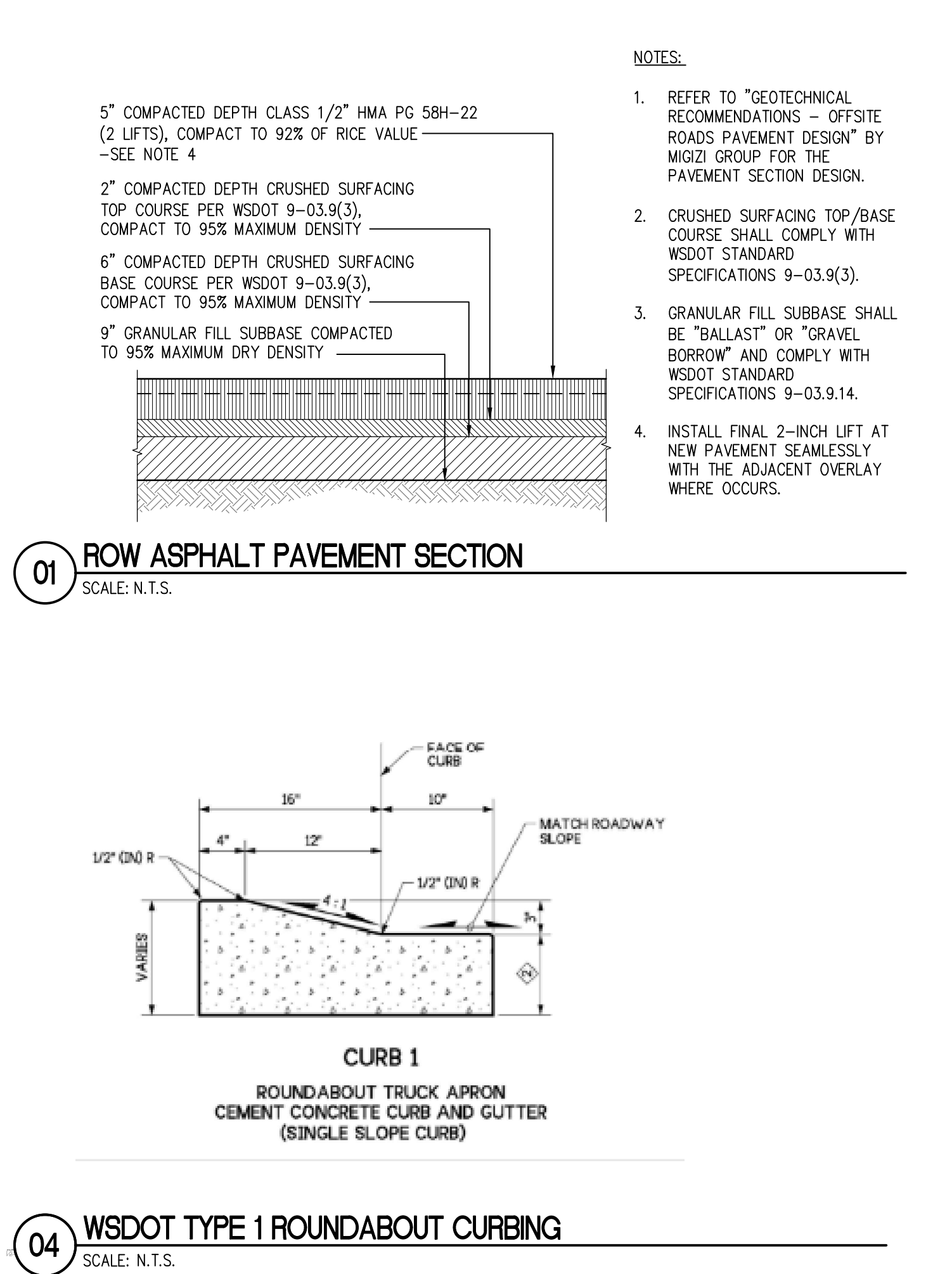


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SUMNER-BONNEY LAKE SCHOOL
DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
PAVING AND SURFACING PLAN
SHEET NO.

C4.03
PROJECT NO.
20931



APPROVED

BY: CITY OF BONNEY LAKE CITY ENGINEER, PE

DATE:

Plans meet current Development Policies and Public Works Design Standards.

SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT

BONNEY LAKE, WA 98391

PROJECT TITLE

SHEET NO.

PAVING AND SURFACING DETAILS

PROJECT NO.

C4.05

20931

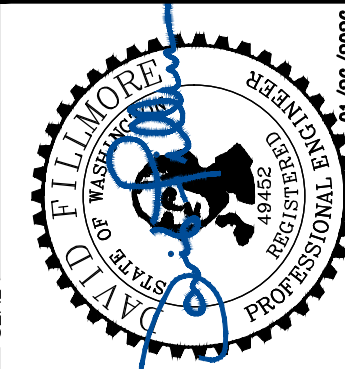
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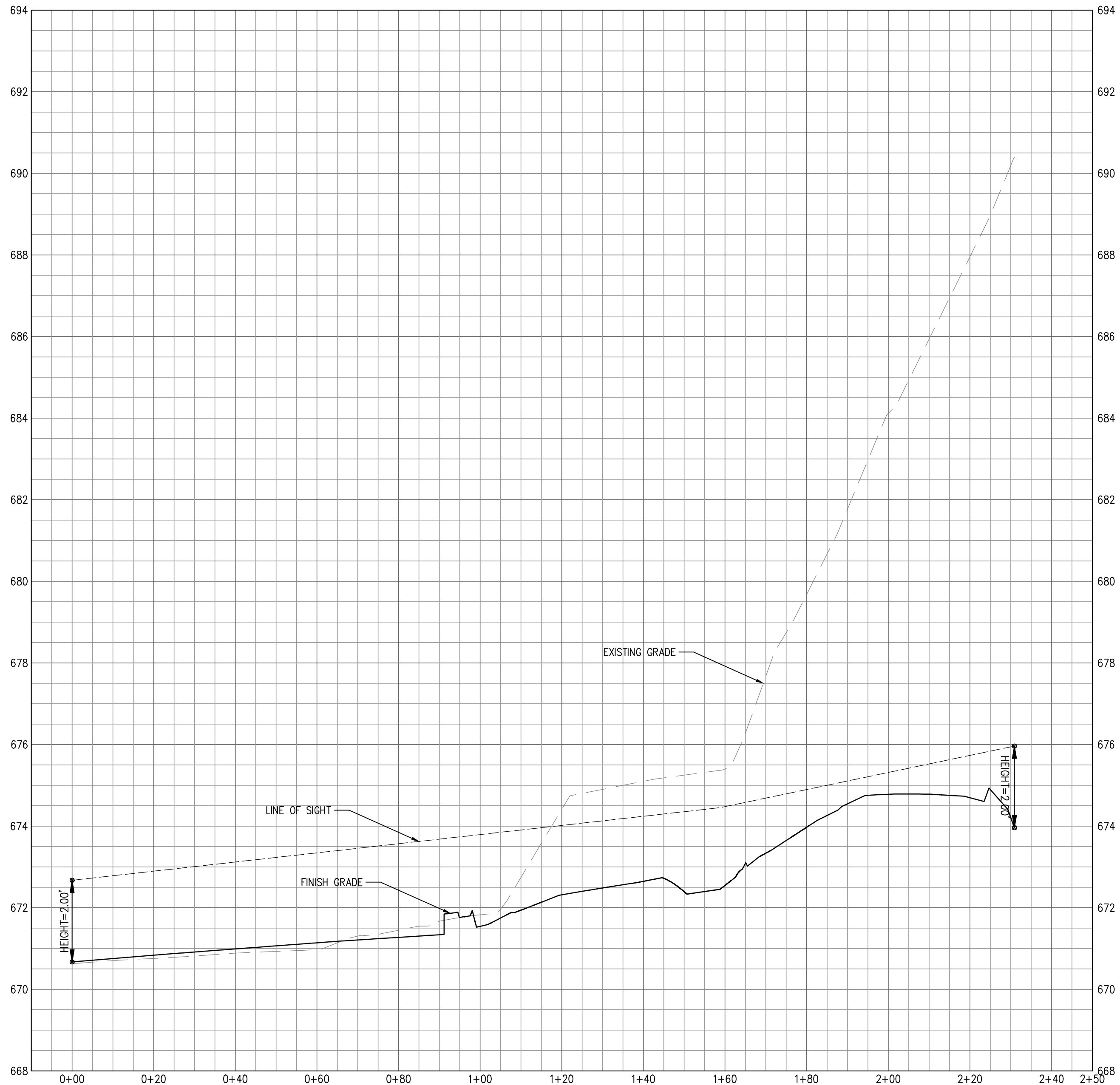


DESIGNED	DRAWN	CHECKED	DATE	SCALE
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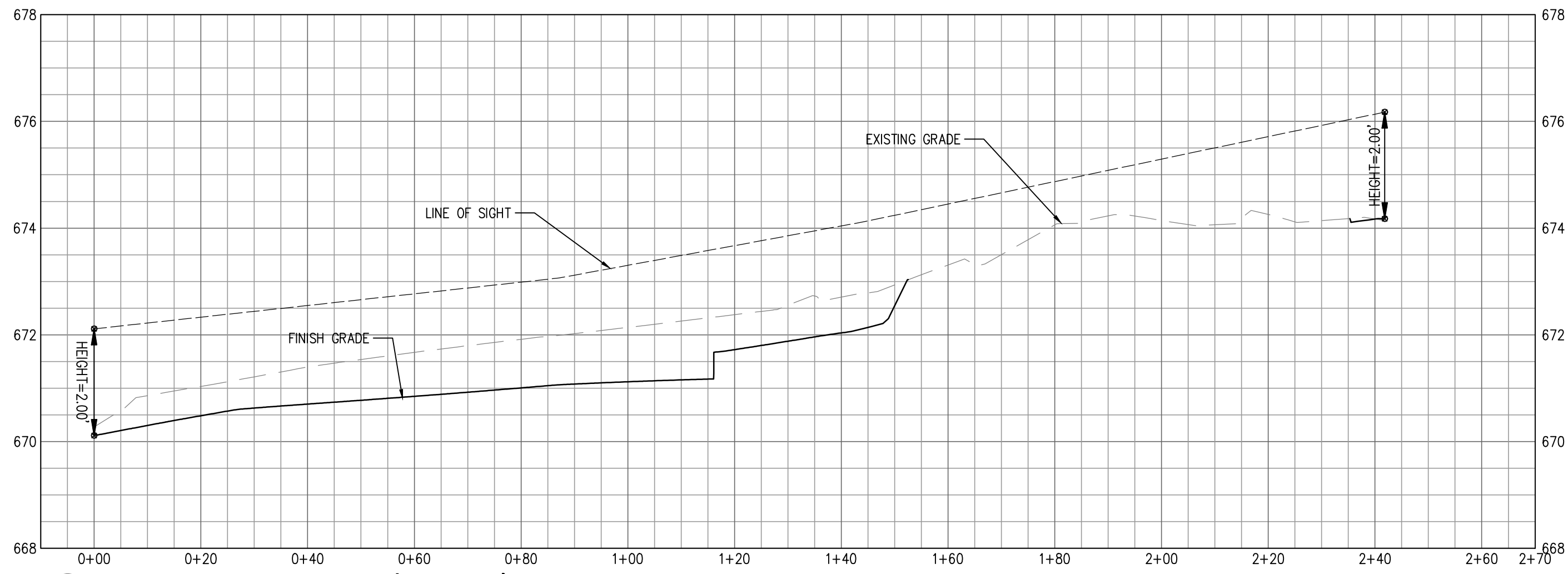
APPROVALS

REVISIONS

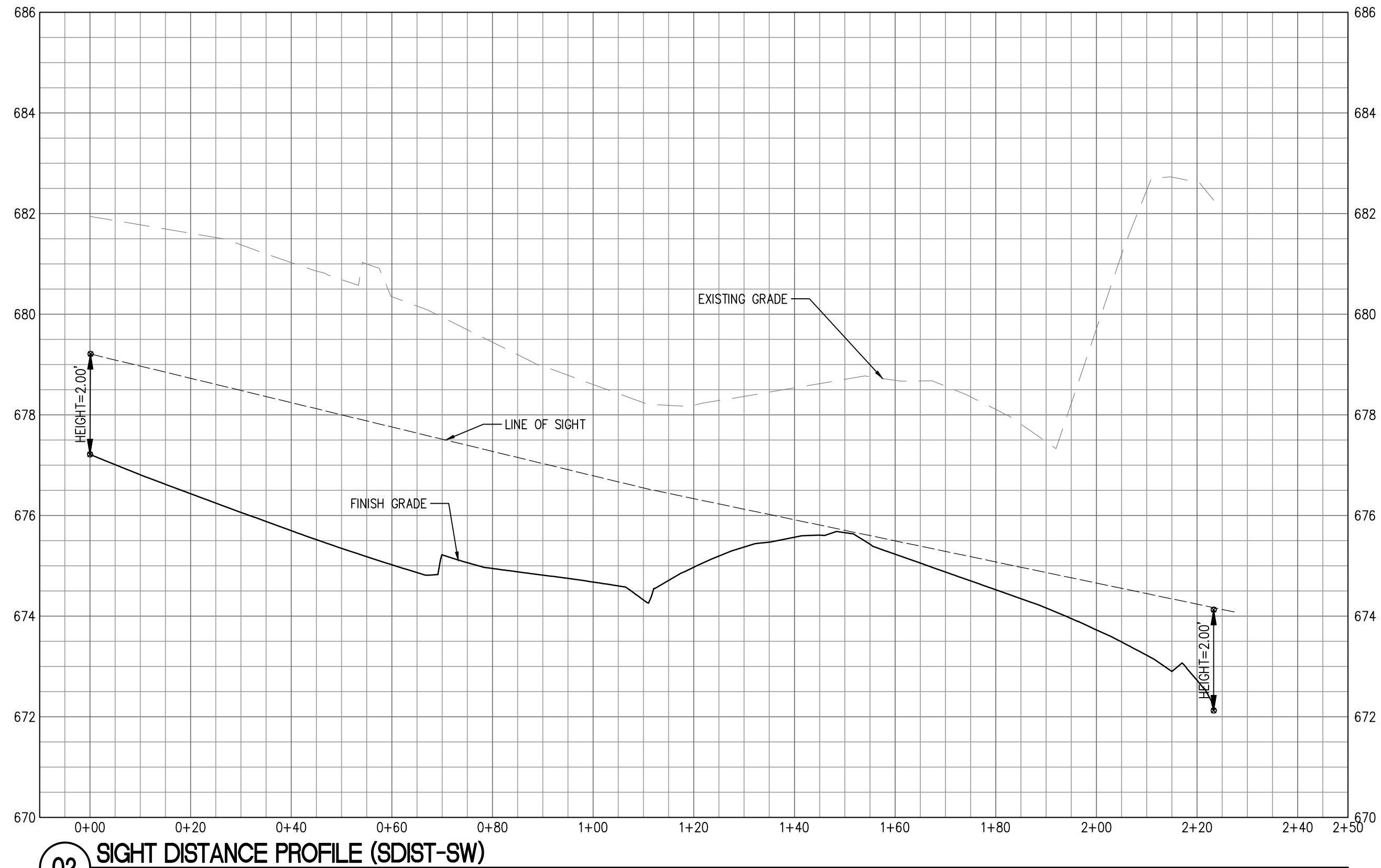
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01 SIGHT DISTANCE PROFILE (SDIST-NW)
SCALE: HORZ: 1"=20' VERT: 1"=2'



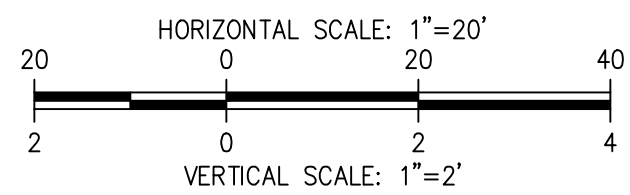
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SCALE: HORZ: 1"=20' VERT: 1"=2'



02 SIGHT DISTANCE PROFILE (SDIST-SW)
SCALE: HORZ: 1"=20' VERT: 1"=2'



04 SIGHT DISTANCE PROFILE (SDIST-NE)
SCALE: HORZ: 1"=20' VERT: 1"=2'



APPROVED	
BY	CITY OF BONNEY LAKE CITY ENGINEER, PE
DATE	
Plans meet current Development Policies and Public Works Design Standards.	

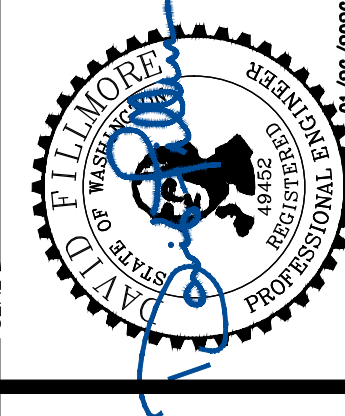
PROJECT
SUMNER-BONNEY LAKE SCHOOL
DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391

SHEET NO.
C5.01
PROJECT NO.
20931

SHEET TITLE
SIGHT DISTANCE PROFILES

PREPARED FOR
SUMNER-BONNEY LAKE
SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

PREPARED BY
sh sitts & hill
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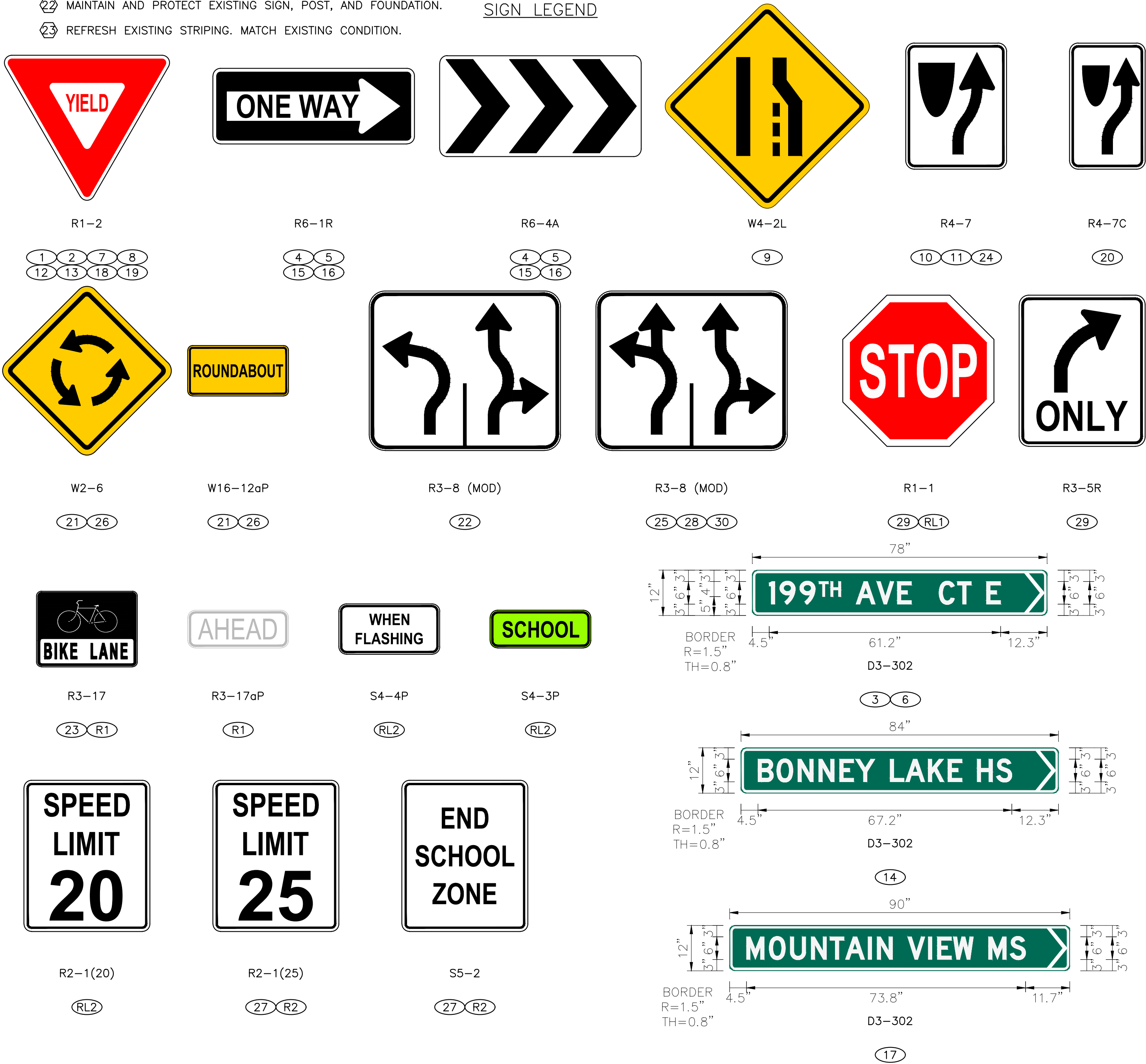
APPROVALS
DESIGNED: DDF
DRAWN: KNL
CHECKED: DDF
DATE: 11/01/2025
SCALE: AS NOTED

REVISIONS

CONSTRUCTION NOTES

- ① INSTALL 4" YELLOW THERMOPLASTIC EDGE LINE PER WSDOT STANDARD PLANS M-20.10-04 AND M-12.10-04.
- ② INSTALL 4" WHITE THERMOPLASTIC EDGE LINE PER WSDOT STANDARD PLAN M-20.10-04.
- ③ INSTALL 12" WHITE THERMOPLASTIC WIDE DOTTED ENTRY LINE PER WSDOT STANDARD PLANS M-20.10-04 AND M-12.10-04.
- ④ INSTALL 4" THERMOPLASTIC DOUBLE YELLOW CENTERLINE PER WSDOT STANDARD PLAN M-20.10-04.
- ⑤ INSTALL 8" WHITE THERMOPLASTIC WIDE LANE LINE PER WSDOT STANDARD PLANS M-20.10-04 AND M-12.10-04.
- ⑥ INSTALL 8" WHITE THERMOPLASTIC STRONG LANE LINE PER WSDOT STANDARD PLANS M-20.10-04 AND M-12.10-04.
- ⑦ INSTALL WHITE THERMOPLASTIC TYPE 2 YIELD LINE SYMBOL PER WSDOT STANDARD PLAN M-24.60-04. SYMBOL SHALL BE INSTALLED 1 FT OFF DOTTED ENTRY LINE AND SHALL BE PERPENDICULAR TO LANE STRIPING.
- ⑧ INSTALL 8' LONG WHITE THERMOPLASTIC CROSSWALK LINES PER WSDOT STANDARD PLAN M-15.10-02. ALIGN CENTER OF CROSSWALK LINES WITH CENTER OF DETECTABLE WARNING SURFACES ON RECEIVING RAMP.
- ⑨ INSTALL WHITE THERMOPLASTIC TYPE 1S TRAFFIC ARROW PER WSDOT STANDARD PLAN M-24.40-02.
- ⑩ INSTALL WHITE THERMOPLASTIC TYPE 6SL TRAFFIC ARROW PER WSDOT STANDARD PLAN M-24.40-02.
- ⑪ INSTALL WHITE THERMOPLASTIC TYPE 2SL TRAFFIC ARROW PER WSDOT STANDARD PLAN M-24.40-02.
- ⑫ INSTALL WHITE THERMOPLASTIC TYPE L TRAFFIC ARROW PER DETAIL ON SHEET CH.2.
- ⑬ INSTALL WHITE THERMOPLASTIC TYPE LT TRAFFIC ARROW PER DETAIL ON SHEET CH.2.
- ⑭ INSTALL WHITE THERMOPLASTIC TYPE TR TRAFFIC ARROW PER DETAIL ON SHEET CH.2.
- ⑮ INSTALL SIGN POST AND SIGN PER SIGN LEGEND AND SIGN SCHEDULE, CITY OF BONNEY LAKE STANDARD DRAWING S14, AND WSDOT STANDARD PLAN G-24.50-05.
- ⑯ REMOVE EXISTING SIGN, POST, AND FOUNDATION. SALVAGE EXISTING SIGN AND SIGN POST BACK TO CITY OF BONNEY LAKE.
- ⑰ INSTALL SIGN PER SIGN LEGEND AND SIGN SCHEDULE AND WSDOT STANDARD PLAN G-30.10-04.
- ⑱ INSTALL 4" WHITE THERMOPLASTIC DOTTED EXTENSION LINE PER WSDOT STANDARD PLAN M-20.10-04.
- ⑲ INSTALL WHITE THERMOPLASTIC STOP LINE PER WSDOT STANDARD PLAN M-24.60-04.
- ⑳ RELOCATE EXISTING SIGN ONTO NEW SIGN POST AND FOUNDATION PER SIGN LEGEND AND SIGN SCHEDULE, CITY OF BONNEY LAKE STANDARD DRAWING S14, AND WSDOT STANDARD PLAN G-24.50-05.
- ㉑ INSTALL WHITE THERMOPLASTIC BIKE LANE SYMBOL PER WSDOT STANDARD PLAN M-9.50-02.
- ㉒ MAINTAIN AND PROTECT EXISTING SIGN, POST, AND FOUNDATION.
- ㉓ REFRESH EXISTING STRIPING. MATCH EXISTING CONDITION.

SIGN LEGEND



GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF BONNEY LAKE, PIERCE COUNTY, AND WSDOT STANDARDS AND SPECIFICATIONS, AND THE CONTRACT, UNLESS OTHERWISE NOTED. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
2. A COPY OF THE APPROVED PLAN SHALL BE ON SITE DURING CONSTRUCTION.
3. ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
4. THE LOCATION OF EXISTING FEATURES AND UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING SIGNING WORK. NOT ALL EXISTING FEATURES AND UTILITIES MAY BE SHOWN.
5. ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL CONTACT UTILITY AGENCIES 48 HOURS PRIOR TO COMMENCING WORK AND SHALL COORDINATE WITH ALL AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES RESULTING FROM CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY AGENCY IMMEDIATELY UPON DAMAGE AND SHALL BE RESPONSIBLE FOR REPLACING DAMAGED EQUIPMENT TO THE SATISFACTION OF THE AFFECTED UTILITY AGENCY.
6. REMOVE EXISTING CHANNELIZATION AND SIGNING IN CONFLICT WITH PROPOSED CHANNELIZATION AND SIGNING, WITHIN PROJECT LIMITS, AS SHOWN ON THESE PLANS OR AS DIRECTED BY THE ENGINEER. ANY EXISTING CHANNELIZATION OR SIGNING TO REMAIN IN PLACE THAT IS DAMAGED OR OTHERWISE ALTERED BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPLACED IN-KIND AT THE EXPENSE OF THE CONTRACTOR.
7. THE CONTRACTOR SHALL SALVAGE AND DELIVER ALL EXISTING SIGNING EQUIPMENT SPECIFIED FOR REMOVAL BACK TO CITY OF BONNEY LAKE, UNLESS OTHERWISE NOTED IN WRITING BY THE ENGINEER.
8. THE CONTRACTOR SHALL FIELD VERIFY FINAL LOCATIONS OF ALL PROPOSED SIGNS WITH THE ENGINEER PRIOR TO INSTALLATION. ALL PROPOSED SIGNS SHALL BE LOCATED WITHIN RIGHT-OF-WAY AND PANELS SHALL NOT OVERHANG OUTSIDE OF RIGHT-OF-WAY. SIGN PANELS THAT OVERHANG SIDEWALKS/PATHWAYS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 7 FT FROM THE BOTTOM OF THE LOWEST PANEL TO THE ADJACENT SIDEWALK/PATHWAY SURFACE.

LEGEND

DESCRIPTION

- RIGHT-OF-WAY
- CHANNELIZATION FEATURE
- GROUND-MOUNTED SIGN
- POLE-MOUNTED SIGN
- CONSTRUCTION NOTE
- SIGN NOTE
- REMOVAL NOTE
- RELOCATION NOTE
- PAVEMENT MARKING NOTE

PUBLIC IMPROVEMENTS

PERMIT # _____

COUNTY ENGINEER _____ DATE _____

PIERCE COUNTY ORDINANCE NUMBER _____

1. CONTACT _____ THE AREA INSPECTOR, AT 253-796, _____. TO COORDINATE THE PRE-CONSTRUCTION MEETING AND COUNTY INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION.

2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.

3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.

4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.

EXISTING

PROPOSED



SIGN SCHEDULE

SIGN NO.	SIGN CODE	ALIGNMENT	STATION	OFFSET	LT	RT	DESCRIPTION	SIZE	COMMENTS
①	R1-2	199TH AVE CT E	105+75.8	57.1'		X	YIELD	36" X 36" X 36"	
②	R1-2	199TH AVE CT E	105+81.0	7.0'		X	YIELD	36" X 36" X 36"	
③	D3-302	199TH AVE CT E	105+84.6	16.1'	X		STREET NAME - 199TH AVE CT E	78" X 12"	
④	R6-1R	199TH AVE CT E	106+42.9	13.7'		X	ONE WAY [RIGHT]	48" X 18"	
	R6-4A						ROUNDAABOUT DIRECTIONAL [3 CHEVRONS]	48" X 24"	MOUNT BELOW R6-1R
⑤	R6-1R	199TH AVE CT E	106+73.7	14.9'	X		ONE WAY [RIGHT]	48" X 18"	
	R6-4A						ROUNDAABOUT DIRECTIONAL [3 CHEVRONS]	48" X 24"	MOUNT BELOW R6-1R
⑥	D3-302	199TH AVE CT E	107+33.4	2.5'		X	STREET NAME - 199TH AVE CT E	78" X 12"	
⑦	R1-2	199TH AVE CT E	107+32.9	7.3'	X		YIELD	36" X 36" X 36"	
⑧	R1-2	199TH AVE CT E	107+36.6	57.6	X		YIELD	36" X 36" X 36"	
⑨	W4-2L	199TH AVE CT E	107+38.0	54.1'		X	MERGE LEFT	36" X 36"	
⑩	R4-7	199TH AVE CT E	107+64.8	1.0'	X		KEEP RIGHT	24" X 30"	
⑪	R4-7	BLHS-MVMS	8+04.4	0.3'	X		KEEP RIGHT	24" X 30"	
⑫	R1-2	BLHS-MVMS	8+59.2	60.8'	X		YIELD	36" X 36" X 36"	
⑬	R1-2	BLHS-MVMS	8+63.5	10.6'	X		YIELD	36" X 36" X 36"	
⑭	D3-302	BLHS-MVMS	8+63.2	10.9'	X		STREET NAME - BONNEY LAKE HIGH SCHOOL	84" X 12"	
⑮	R6-1R	BLHS-MVMS	9+17.3	8.6'		X	ONE WAY [RIGHT]	48" X 18"	
	R6-4A						ROUNDAABOUT DIRECTIONAL [3 CHEVRONS]	48" X 24"	MOUNT BELOW R6-1R
⑮	R6-1R	BLHS-MVMS	9+50.3	15.9'	X		ONE WAY [RIGHT]	48" X 18"	
	R6-4A						ROUNDAABOUT DIRECTIONAL [3 CHEVRONS]	48" X 24"	MOUNT BELOW R6-1R
⑰	D3-302	BLHS-MVMS	10+10.7	3.6'		X	STREET NAME - MOUNTAIN VIEW MIDDLE SCHOOL	90" X 12"	
⑱	R1-2	BLHS-MVMS	10+10.1	5.8'	X		YIELD	36" X 36" X 36"	
⑲	R1-2	BLHS-MVMS	-	-			YIELD	36" X 36" X 36"	MOUNT ON ILLUMINATION POLE
⑳	R4-7C	BLHS-MVMS	10+45.0	0.1'	X		KEEP RIGHT	18" X 30"	
㉑	W2-6	199TH AVE CT E	103+10.0	25.4'		X	CIRCULAR INTERSECTION SYMBOL	30" X 30"	
	W16-12aP						ROUNDAABOUT	24" X 12"	MOUNT BELOW W2-6
㉒	R3-8 (MOD)	199TH AVE CT E	-	-			LANE CONTROL	42" X 30"	MOUNT ON ILLUMINATION POLE
㉓	R3-17	199TH AVE CT E	104+40.0	36.2'	X		BIKE LANE	24" X 18"	
㉔	R4-7	199TH AVE CT E	104+79.5	0.6'	X		KEEP RIGHT	24" X 30"	
㉕	R3-8 (MOD)	199TH AVE CT E	108+30.0	35.9'	X		LANE CONTROL	42" X 30"	
㉖	W2-6	199TH AVE CT E	108+90.0	31.8'	X		CIRCULAR INTERSECTION SYMBOL	30" X 30"	
	W16-12aP						ROUNDAABOUT	24" X 12"	MOUNT BELOW W2-6
㉗	R2-1 (25)	199TH AVE CT E	109+40.0	16.1'		X	SPEED LIMIT 25	24" X 30"	
	S5-2						END SCHOOL ZONE	24" X 30"	MOUNT BELOW R2-1
㉘	R3-8 (MOD)	BLHS-MVMS	7+34.0	36.5'	X		LANE CONTROL	42" X 30"	
㉙	R1-1	BLHS-MVMS	10+56.0	45.0'	X		STOP	30" X 30"	
	R3-5R						RIGHT TURN ONLY	30" X 36"	MOUNT BELOW R1-1
㉚	R3-8 (MOD)	BLHS-MVMS	11+04.0	25.7'	X		LANE CONTROL	42" X 30"	
㉛	R1-1	199TH AVE CT E	103+74.0	50.5'		X	STOP	EX	
	S4-3P						SCHOOL	EX	
㉜	R2-1 (20)	199TH AVE CT E	109+50.0	26.8'	X		SPEED LIMIT 20	EX	
	S4-4P						WHEN FLASHING	EX	
㉝	R3-17	199TH AVE CT E	EX	EX	X		BIKE LANE (EX)	EX	
	R3-17aP						AHEAD (EX)	EX	
㉞	R2-1 (25)	199TH AVE CT E	EX	EX	X		SPEED LIMIT 25	EX	
	S5-2						END SCHOOL ZONE	EX	



DESIGNED: _____ DRAWN: _____ CHECKED: _____ DATE: 01/14/2026 SCALE: AS NOTED

APPROVALS: _____

SEAL: _____

PROJECT: SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDAABOUT

SHEET TITLE: BONNEY LAKE, WA 98391

SHEET NO: _____

CH.1

PROJECT NO: 20931

PREPARED FOR: SUMNER-BONNEY LAKE SCHOOL DISTRICT

19701-104TH STREET EAST

BONNEY LAKE, WA 98391

(253) 6305

transpogroup

WHAT TRANSPORTATION CAN BE.

1231113TH AVENUE NE SUITE 203 TEL: 425 821-3665

KIRKLAND, WASHINGTON 98034

CHANNELIZATION & SIGNING

NOTES & LEGEND

M:\25\12510.00 - Bonney Lake HS P&S\Engineering\CAD\Plan Sheets\2510-TC-CHAN-PLAN.dwg last edited: 01/12/26 8:37am by: ccorviena

STA. 9+09.2, 53.1FT LT
END (6) RADIUS
BEGIN (5) RADIUS, R=52FT
STA. 8+75.4, 50.7FT LT
END (3) RADIUS
BEGIN (3) RADIUS, R=66FT
STA. 9+08.7, 50.9FT LT
END (6) RADIUS
BEGIN (5) RADIUS, R=50FT
STA. 8+69.0, 43.0FT LT
BEGIN (3) RADIUS
STA. 8+88.0, 43.0FT LT
END (6) RADIUS
BEGIN (6) RADIUS, R=50FT
STA. 8+81.8, 39.7FT LT
END (6) RADIUS
BEGIN (6) RADIUS, R=52FT
STA. 8+73.6, 29.6FT LT
END (1) RADIUS
END (5) RADIUS
BEGIN (6) RADIUS
BEGIN (6) RADIUS, R=250FT
STA. 106+97.5, 17.0FT LT
END (6) RADIUS

STA. 107+28.0, 13.7FT LT
END (3) RADIUS
END (5) RADIUS
BEGIN (1) RADIUS, R=105FT
STA. 107+26.5, 29.0FT LT
BEGIN (5) RADIUS, R=100FT
STA. 107+25.9, 31.3FT LT
BEGIN (5) RADIUS, R=100FT

SEC.03 T.19N. R.05E. W.M.
STA. 107+48.5, 7.9FT LT
END (1) RADIUS
STA. 107+62.1, 19.3FT LT
BEGIN (5) RADIUS, R=100FT
STA. 107+62.5, 20.5FT LT
BEGIN (5) RADIUS, R=100FT
STA. 107+51.8, 21.2FT LT
END (5) RADIUS
STA. 107+52.2, 22.8FT LT
END (5) RADIUS

STA. 107+48.5, 7.9FT LT
END (1) RADIUS
STA. 107+62.1, 19.3FT LT
BEGIN (5) RADIUS, R=100FT
STA. 107+62.5, 20.5FT LT
BEGIN (5) RADIUS, R=100FT
STA. 107+51.8, 21.2FT LT
END (5) RADIUS
STA. 107+52.2, 22.8FT LT
END (5) RADIUS

STA. 107+74.6, 5.0FT LT
END (1) RADIUS
BEGIN (4) RADIUS, R=105FT
STA. 107+80.5, 1.3FT RT
END (4) RADIUS
BEGIN (4) RADIUS
STA. 107+74.8, 1.7FT RT
END (1) RADIUS
BEGIN (4) RADIUS, R=350FT
STA. 107+58.4, 4.1FT RT
BEGIN (1) RADIUS, R=350FT

STA. 107+48.7, 6.2FT RT
END (1) RADIUS
STA. 107+52.1, 18.5FT RT
END (5) RADIUS
STA. 107+52.2, 19.3FT RT
END (5) RADIUS
STA. 107+10.7, 4.4FT LT
END (5) RADIUS
BEGIN (5) RADIUS
STA. 107+20.6, 15.3FT RT
BEGIN (1) RADIUS, R=350FT
BEGIN (5) RADIUS, R=66FT
STA. 9+47.1, 48.6FT LT
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END (5) RADIUS
BEGIN (6) RADIUS, R=52FT
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END (6) RADIUS
BEGIN (5) RADIUS, R=350FT

STA. 107+25.8, 44.0FT RT
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STA. 107+17.2, 33.3FT RT
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BEGIN (3) RADIUS
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STA. 10+05.3, 28.9FT LT
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STA. 10+07.8, 27.5FT LT
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BEGIN (5) RADIUS, R=85FT
STA. 10+12.2, 27.2FT LT
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END (5) RADIUS
STA. 10+28.8, 18.3FT LT
END (5) RADIUS
STA. 10+38.3, 17.3FT LT
BEGIN (5) RADIUS, R=85FT
STA. 10+38.2, 16.9FT LT
BEGIN (5) RADIUS, R=85FT
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END (5) RADIUS
END (5) RADIUS
BEGIN (5) RADIUS, R=96FT
STA. 106+85.1, 47.2FT RT
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BEGIN (1) RADIUS, R=84FT
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BEGIN (1) RADIUS, R=90FT

STA. 10+25.5, 5.7FT LT
END (1) RADIUS
STA. 10+05.6, 12.8FT LT
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END (5) RADIUS
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STA. 10+35.6, 6.8FT RT
BEGIN (1) RADIUS, R=85FT

STA. 10+25.7, 9.3FT RT
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STA. 9+71.3, 23.5FT LT
END (6) RADIUS
STA. 9+89.5, 1.9FT LT
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BEGIN (5) RADIUS, R=68FT
STA. 9+82.2, 15.8FT RT
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BEGIN (5) RADIUS
BEGIN (5) RADIUS, R=46FT
STA. 9+92.0, 29.3FT RT
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END (6) RADIUS
BEGIN (1) RADIUS, R=85FT
BEGIN (5) RADIUS, R=82FT
STA. 9+90.6, 31.0FT RT
END (6) RADIUS
BEGIN (6) RADIUS, R=85FT
STA. 9+81.1, 38.8FT RT
END (6) RADIUS
BEGIN (6) RADIUS
STA. 9+87.4, 53.1FT RT
END (3) RADIUS
STA. 9+51.4, 40.5FT RT
BEGIN (6) RADIUS, R=46FT
STA. 9+57.4, 53.2FT RT
END (5) RADIUS
BEGIN (6) RADIUS, R=60FT
STA. 9+56.9, 55.4FT RT
END (5) RADIUS
END (5) RADIUS
BEGIN (6) RADIUS, R=62FT
STA. 105+88.4, 31.6FT RT
END (5) RADIUS
STA. 105+87.8, 29.2FT RT
END (5) RADIUS
STA. 105+85.3, 28.1FT RT
END (5) RADIUS
BEGIN (5) RADIUS
STA. 105+81.0, 28.5FT RT
END (5) RADIUS
BEGIN (5) RADIUS

STA. 8+37.0, 8.5FT LT
END (1) RADIUS
STA. 8+45.9, 11.2FT LT
BEGIN (1) RADIUS, R=250FT
STA. 8+10.3, 5.7FT RT
END (1) RADIUS
BEGIN (1) RADIUS, R=105FT
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BEGIN (5) RADIUS, R=100FT
STA. 8+06.4, 17.7FT RT
END (5) RADIUS
BEGIN (5) RADIUS, R=100FT
STA. 8+35.4, 9.0FT RT
END (1) RADIUS
STA. 8+29.7, 21.3FT RT
END (5) RADIUS
STA. 8+29.4, 22.1FT RT
END (5) RADIUS
STA. 8+46.0, 11.3FT RT
BEGIN (1) RADIUS, R=105FT
STA. 8+41.4, 24.2FT RT
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STA. 8+40.9, 25.4FT RT
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BEGIN (5) RADIUS
STA. 8+69.7, 16.6FT RT
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BEGIN (5) RADIUS, R=78FT
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BEGIN (5) RADIUS
STA. 8+70.0, 31.3FT RT
END (5) RADIUS
BEGIN (5) RADIUS

STA. 8+74.3, 32.2FT RT
END (5) RADIUS
STA. 8+75.6, 34.6FT RT
END (5) RADIUS
STA. 8+84.4, 11.1FT LT
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BEGIN (5) RADIUS, R=36FT
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BEGIN (5) RADIUS, R=62FT
STA. 106+84.2, 43.0FT LT
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END (3) RADIUS
BEGIN (3) RADIUS, R=64FT
STA. 8+86.8, 20.2FT RT
END (5) RADIUS
BEGIN (6) RADIUS, R=64FT
STA. 8+88.9, 20.7FT RT
END (5) RADIUS
BEGIN (6) RADIUS, R=62FT
STA. 8+97.7, 62.3FT RT
END (3) RADIUS
STA. 9+03.8, 48.7FT RT
END (6) RADIUS
BEGIN (6) RADIUS
STA. 9+04.3, 51.3FT RT
END (6) RADIUS
BEGIN (6) RADIUS
STA. 9+12.3, 59.8FT RT
END (6) RADIUS
END (6) RADIUS
BEGIN (1) RADIUS
BEGIN (5) RADIUS

STA. 106+46.0, 38.5FT LT
BEGIN (6) RADIUS, R=48FT
STA. 105+99.0, 32.4FT LT
END (1) RADIUS
BEGIN (1) RADIUS
STA. 106+18.7, 27.1FT LT
END (6) RADIUS
BEGIN (5) RADIUS
BEGIN (5) RADIUS, R=48FT
STA. 9+23.4, 65.2FT RT
END (5) RADIUS
BEGIN (5) RADIUS, R=62FT
STA. 9+28.2, 50.5FT RT
END (5) RADIUS
END (5) RADIUS
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STA. 9+53.5, 54.2FT RT
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STA. 9+53.8, 56.2FT RT
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BEGIN (5) RADIUS, R=62FT

STA. 105+51.3, 18.8FT RT
END (5) RADIUS
STA. 105+64.9, 7.7FT RT
BEGIN (1) RADIUS, R=105FT
STA. 105+54.9, 6.2FT RT
END (1) RADIUS
STA. 105+86.0, 15.9FT RT
END (3) RADIUS
BEGIN (3) RADIUS, R=76FT
STA. 105+85.9, 13.3FT RT
END (1) RADIUS
END (5) RADIUS
BEGIN (3) RADIUS, R=62FT
STA. 105+61.3, 21.8FT RT
BEGIN (5) RADIUS, R=100FT
STA. 105+61.6, 20.6FT RT
BEGIN (5) RADIUS, R=100FT
STA. 105+51.1, 19.6FT RT
END (5) RADIUS

STA. 105+86.0, 15.9FT RT
END (3) RADIUS
BEGIN (3) RADIUS, R=76FT
STA. 105+85.9, 13.3FT RT
END (1) RADIUS
END (5) RADIUS
BEGIN (3) RADIUS, R=62FT
STA. 105+61.3, 21.8FT RT
BEGIN (5) RADIUS, R=100FT
STA. 105+61.6, 20.6FT RT
BEGIN (5) RADIUS, R=100FT
STA. 105+51.1, 19.6FT RT
END (5) RADIUS

STA. 10+25.7, 9.3FT RT
END (1) RADIUS
STA. 9+71.3, 23.5FT LT
END (6) RADIUS
STA. 9+89.5, 1.9FT LT
END (5) RADIUS
BEGIN (5) RADIUS, R=68FT
STA. 9+82.2, 15.8FT RT
END (5) RADIUS
BEGIN (5) RADIUS, R=66FT
STA. 9+80.8, 19.2FT RT
END (6) RADIUS
BEGIN (5) RADIUS
BEGIN (5) RADIUS, R=46FT
STA. 9+92.0, 29.3FT RT
END (6) RADIUS
END (6) RADIUS
BEGIN (1) RADIUS, R=85FT
BEGIN (5) RADIUS, R=82FT
STA. 9+90.6, 31.0FT RT
END (6) RADIUS
BEGIN (6) RADIUS, R=85FT
STA. 9+81.1, 38.8FT RT
END (6) RADIUS
BEGIN (6) RADIUS
STA. 9+87.4, 53.1FT RT
END (3) RADIUS
STA. 9+51.4, 40.5FT RT
BEGIN (6) RADIUS, R=46FT
STA. 9+57.4, 53.2FT RT
END (5) RADIUS
BEGIN (6) RADIUS, R=60FT
STA. 9+56.9, 55.4FT RT
END (5) RADIUS
END (5) RADIUS
BEGIN (6) RADIUS, R=62FT
STA. 105+88.4, 31.6FT RT
END (5) RADIUS
STA. 105+87.8, 29.2FT RT
END (5) RADIUS
STA. 105+85.3, 28.1FT RT
END (5) RADIUS
BEGIN (5) RADIUS
STA. 105+81.0, 28.5FT RT
END (5) RADIUS
BEGIN (5) RADIUS

PUBLIC IMPROVEMENTS

COUNTY ENGINEER
PIERCE COUNTY ORDINANCE NUMBER

PERMIT #
DATE

- CONTACT THE AREA INSPECTOR, AT 255-796- ---- TO COORDINATE THE PRE-CONSTRUCTION MEETING AND COUNTY INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION.
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- FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.
- ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.

NOTES:

- SEE SHEET CH.1 FOR CHANNELIZATION GENERAL NOTES AND LEGEND, CONSTRUCTION NOTES, SIGN SCHEDULE, AND SIGN LEGEND.
- SEE SHEETS FB.1-FB.2 FOR RRFB DETAILS.

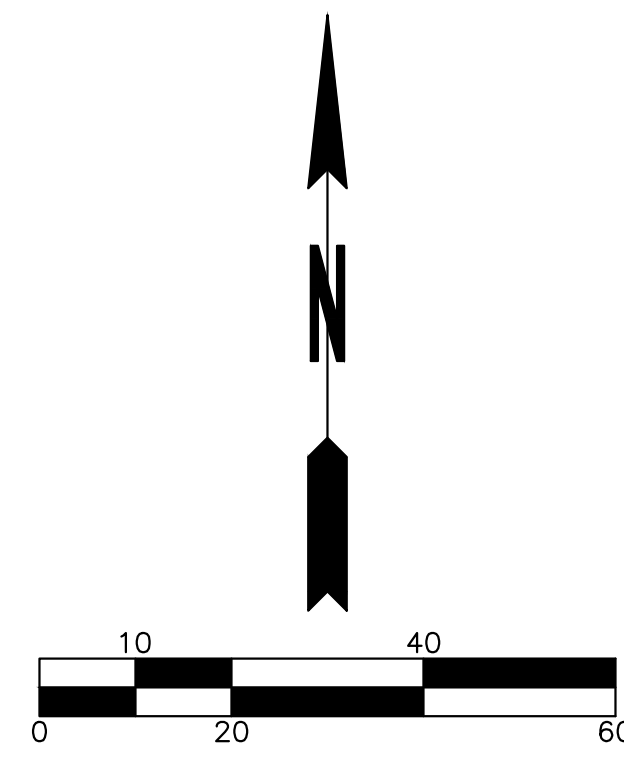
MATCHLINE STA 8+00
SEE SHEET CH.5

MATCHLINE STA 107+85
SEE SHEET CH.4

MATCHLINE STA 10+50
SEE SHEET CH.5

MATCHLINE 105+40
SEE SHEET CH.4

SEE NOTE 2 (TYP.)



811 Call 811
two business days
before you dig

DESIGNED: CORDEN/DAB
DRAWN: CASH/KOAB
CHECKED: CAC/DGN
DATE: 01/14/26
SCALE: AS NOTED



transpogroup
WHAT TRANSPORTATION CAN BE.
1213113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034

SUMNER-BONNEY LAKE
SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL
DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE: CHANNELIZATION & SIGNING
PLAN

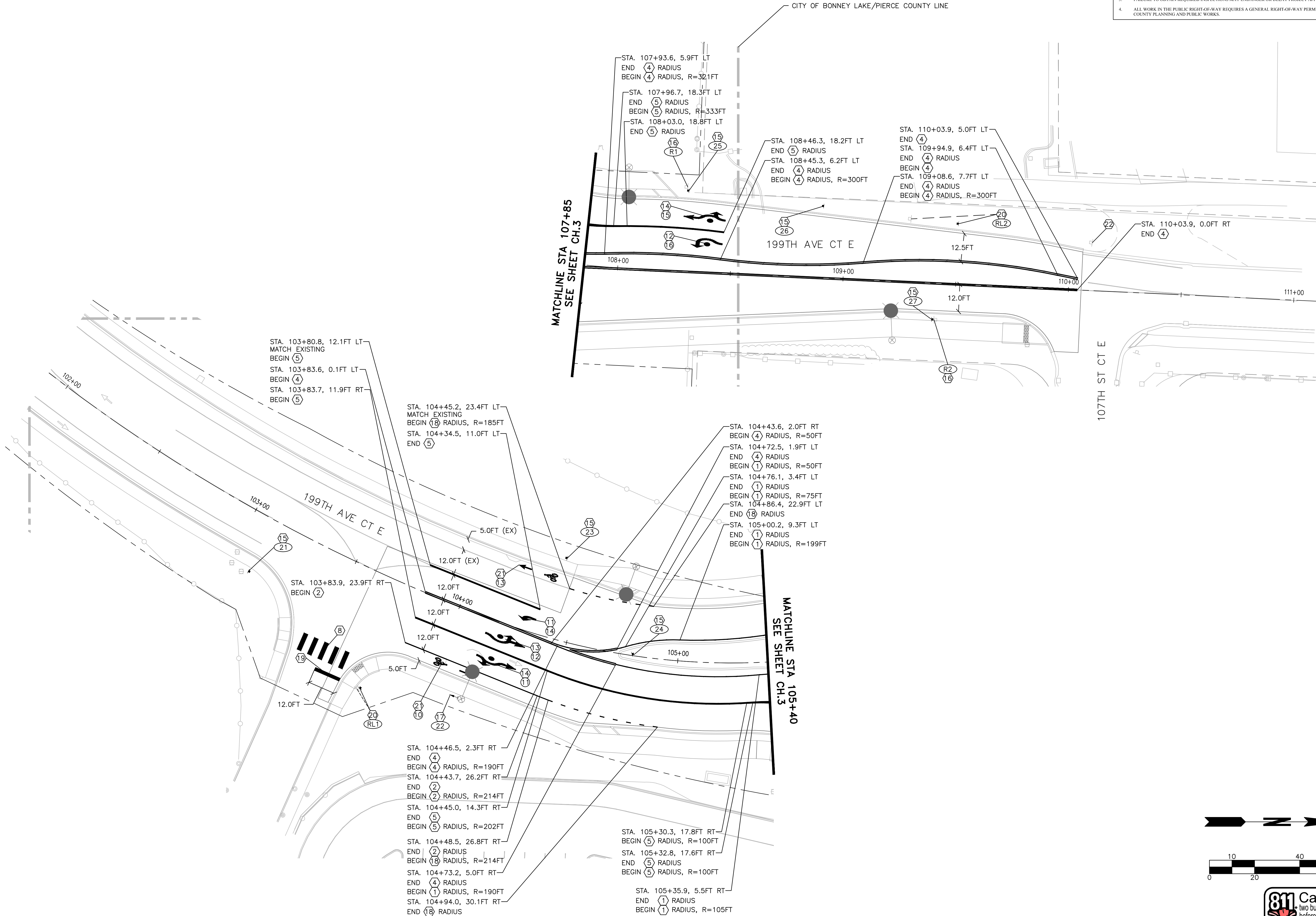
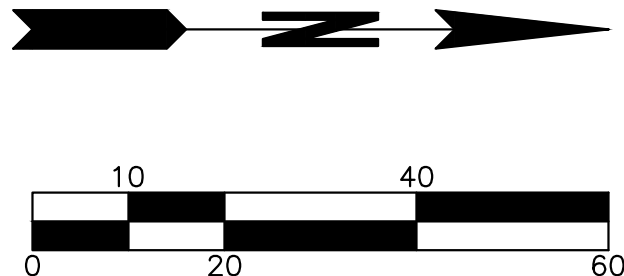
CH.3
PROJECT NO.
20931

NOTE:

1. SEE SHEET CH.1 FOR CHANNELIZATION GENERAL NOTES AND LEGEND, CONSTRUCTION NOTES, SIGN SCHEDULE, AND SIGN LEGEND.

PUBLIC IMPROVEMENTS

COUNTY ENGINEER	PERMIT #
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DESIGNED	ORDEN/DAB
DRAWN	CSJ/KOAB
CHECKED	CAC/DGN
DATE	01/14/2026
SCALE	AS NOTED



transpogroup
WHAT TRANSPORTATION CAN BE.
12131113TH AVENUE NE SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034

SUMNER-BONNEY LAKE
SCHOOL DISTRICT
19701-104TH STREET EAST
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SUMNER-BONNEY LAKE SCHOOL
DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
CHANNELIZATION & SIGNING
PLAN

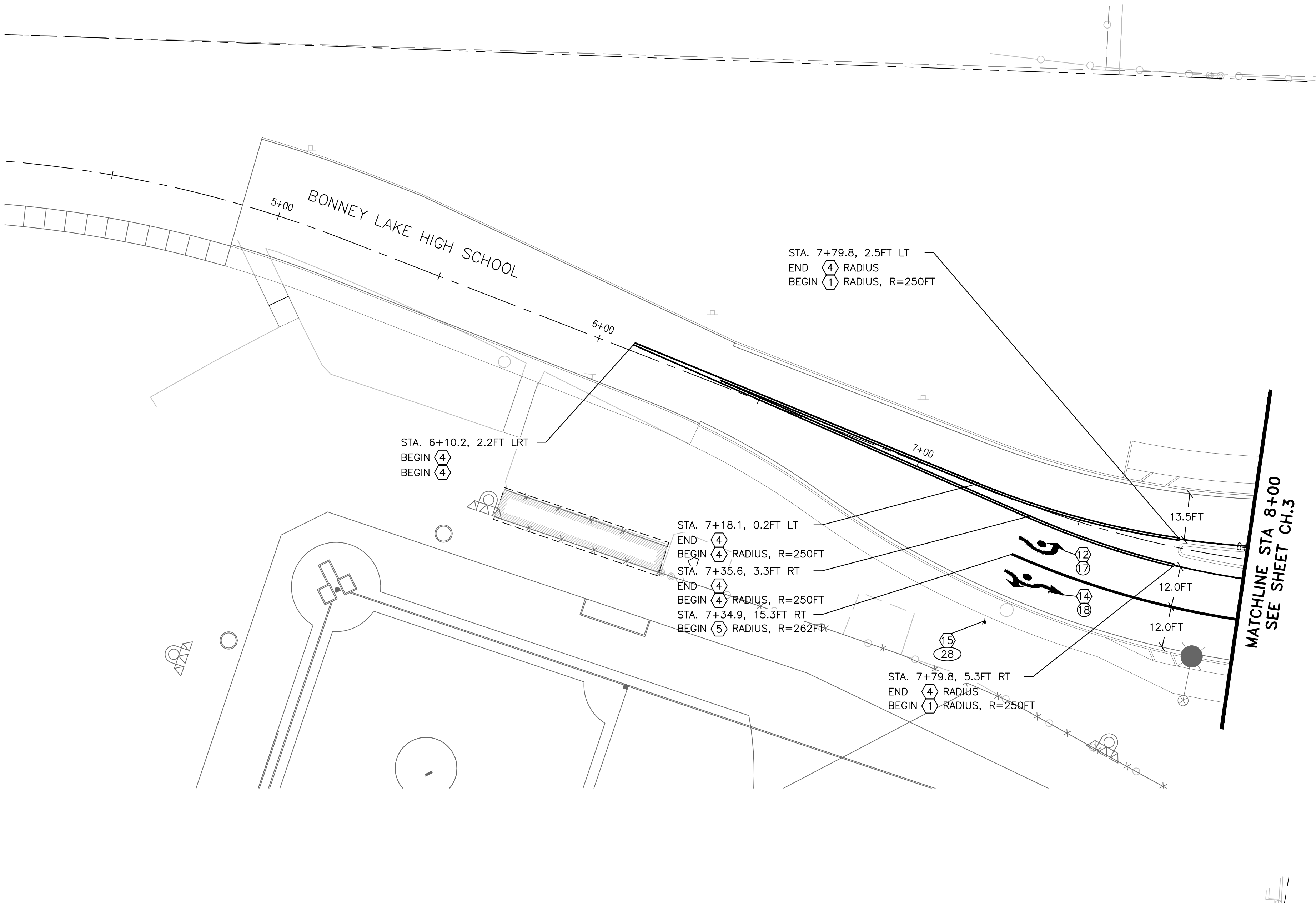
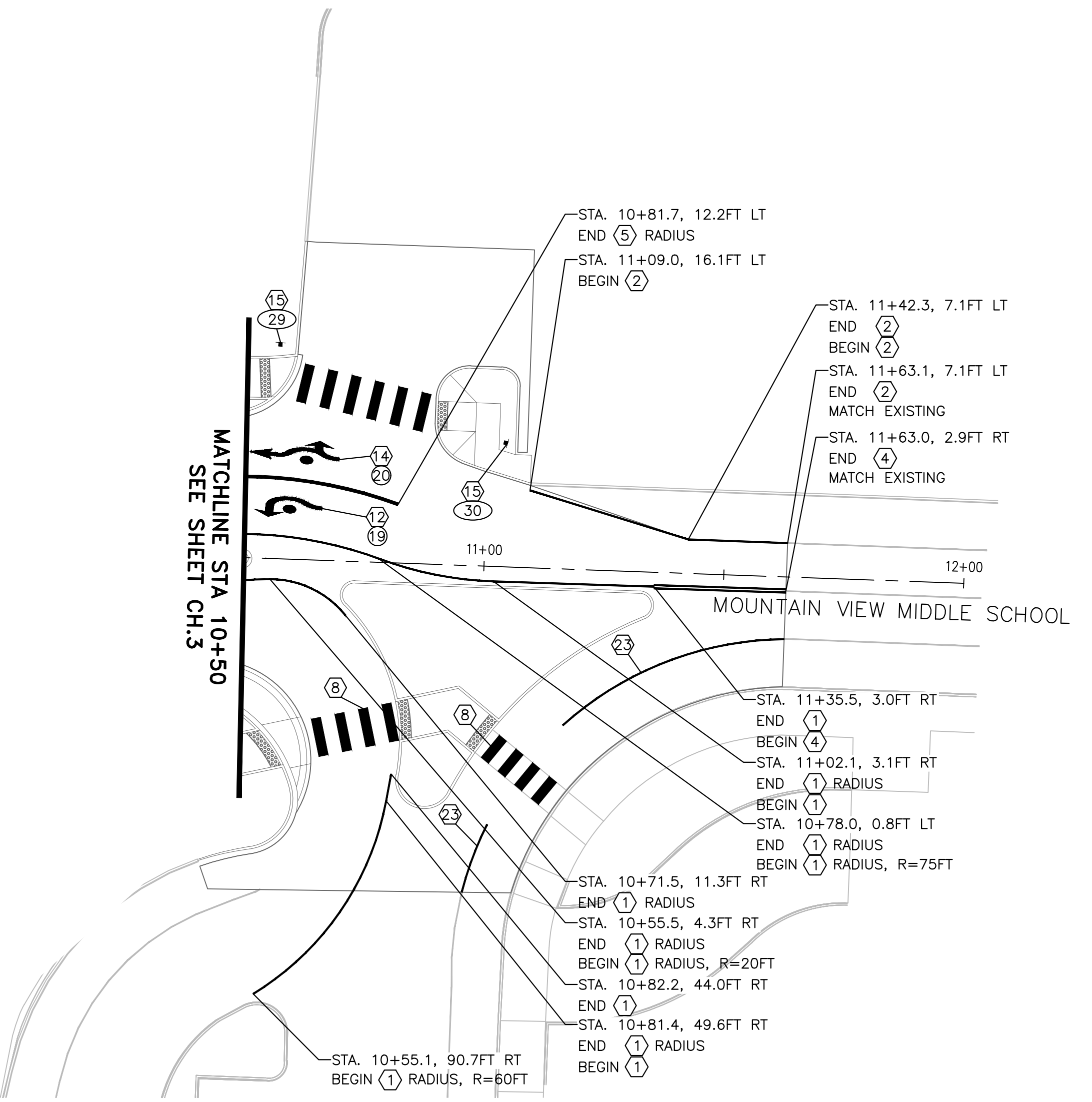
CH.4
PROJECT NO.
20931

NOTE:

1. SEE SHEET CH.1 FOR CHANNELIZATION GENERAL NOTES AND LEGEND, CONSTRUCTION NOTES, SIGN SCHEDULE, AND SIGN LEGEND.

PUBLIC IMPROVEMENTS

COUNTY ENGINEER	PERMIT #
PIERCE COUNTY ORDINANCE NUMBER	DATE
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DESIGNED	ORDINANCE	APPROVALS	REVISIONS
DRAWN	ORDINANCE		
CHECKED	ORDINANCE		
DATE	DATE		
SCALE	SCALE		
SEAL			
transpogroup			
WHAT TRANSPORTATION CAN BE.			
KIRKLAND WASHINGTON 98034			
PREPARED BY			
SUMNER-BONNEY LAKE SCHOOL DISTRICT			
19701-104TH STREET EAST			
BONNEY LAKE, WA 98391			
(253) 6305			
PROJECT			
SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT			
BONNEY LAKE, WA 98391			
SHEET TITLE			
CHANNELIZATION & SIGNING			
PLAN			
CH.5			
PROJECT NO.			
20931			

GENERAL NOTES

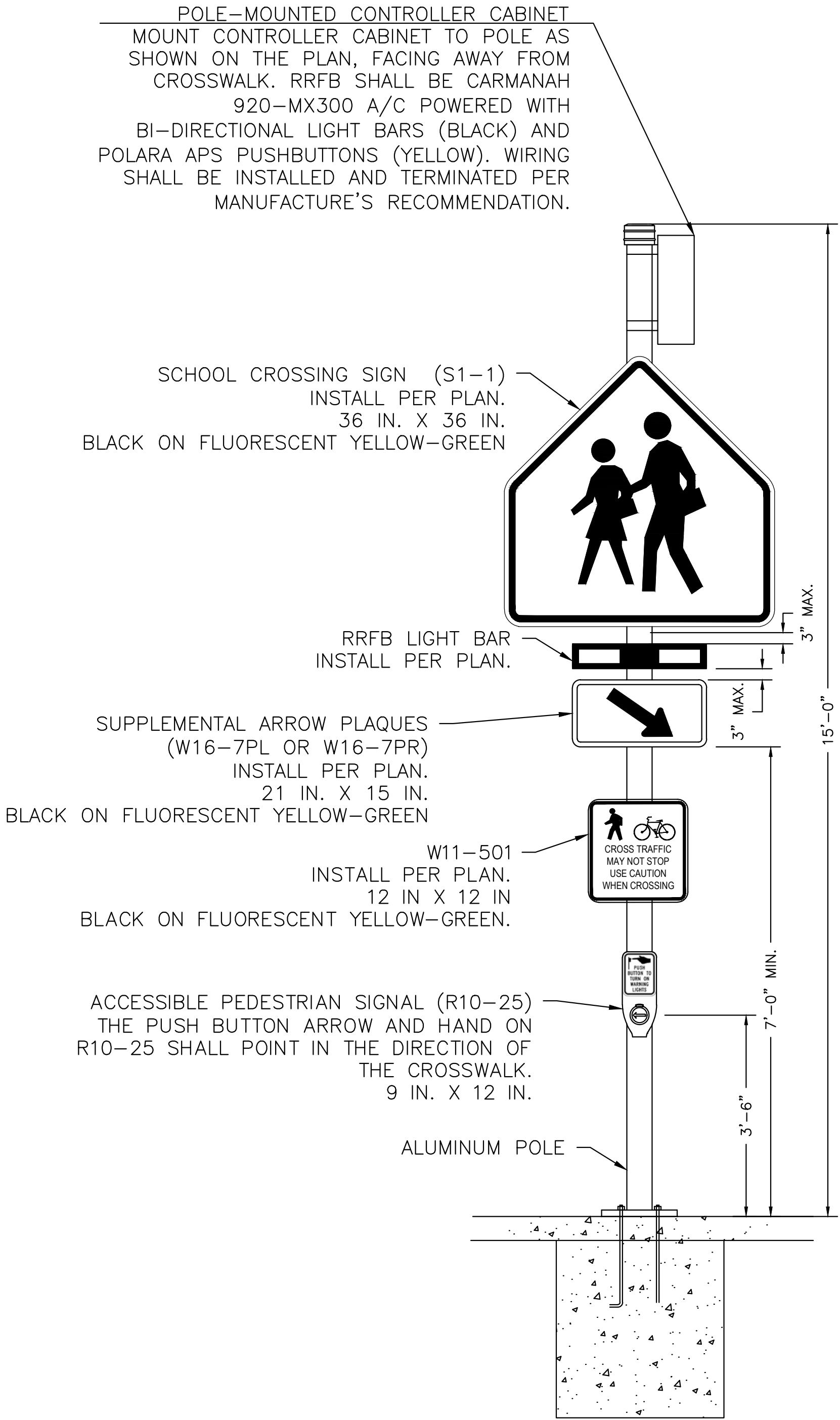
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4. THE LOCATION OF EXISTING FEATURES AND UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING SIGNING WORK. NOT ALL EXISTING FEATURES AND UTILITIES MAY BE SHOWN.
5. ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL CONTACT UTILITY AGENCIES 48 HOURS PRIOR TO COMMENCING WORK AND SHALL COORDINATE WITH ALL AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES RESULTING FROM CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY AGENCY IMMEDIATELY UPON DAMAGE AND SHALL BE RESPONSIBLE FOR REPLACING DAMAGED EQUIPMENT TO THE SATISFACTION OF THE AFFECTED UTILITY AGENCY.
6. THE LOCATIONS OF PROPOSED CONDUITS AND JUNCTION BOXES SHOWN IN THESE PLANS ARE GRAPHICAL REPRESENTATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY FINAL LOCATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.
7. THE CONTRACTOR SHALL FIELD VERIFY AND STAKE LOCATIONS OF ALL PROPOSED RRFB POLES AND FOUNDATIONS WITH THE ENGINEER PRIOR TO INSTALLATION. ALL PROPOSED SIGNS AND FOUNDATIONS SHALL BE LOCATED WITHIN RIGHT-OF-WAY AND PANELS SHALL NOT OVERHANG OUTSIDE OF RIGHT-OF-WAY. SIGN PANELS THAT OVERHANG SIDEWALKS/PATHWAYS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 7FT FROM THE BOTTOM OF THE LOWEST PANEL TO THE ADJACENT SIDEWALK/PATHWAY SURFACE.
8. POLE FOUNDATION LOCATIONS SHALL BE STAKED IN THE FIELD, POTHOLED TO VERIFY NO POTENTIAL UTILITY CONFLICTS EXIST, AND APPROVED BY THE ENGINEER PRIOR TO EXCAVATION.
9. THE CONTRACTOR SHALL CHECK FOR MINIMUM OVERHEAD CLEARANCE BETWEEN ANY OVERHEAD POWER AND COMMUNICATION LINES PRIOR TO PLACING FOUNDATIONS.
10. SIGNS SHALL BE ORIENTED TO FACE APPROACHING AND ONCOMING TRAFFIC.
11. PEDESTRIAN PUSHBUTTON SHALL BE LOCATED WITHIN A 9-INCH REACH FROM CURB RAMP LANDING AREAS PER ADA ACCESSIBILITY GUIDELINES.

POLE SCHEDULE					
POLE NO.	FIELD LOCATION			CONFIGURATION	COMMENTS
	CENTERLINE	STATION	OFFSET		
①	199TH AVE CT E	105+51.3	41.2' LT	UNI-DIRECTIONAL	
②	199TH AVE CT E	105+51.8	46.9' RT	UNI-DIRECTIONAL	WITH CONTROLLER
③	199TH AVE CT E	105+68.1	5.2' LT	BI-DIRECTIONAL	
④	199TH AVE CT E	107+46.5	0.5' RT	BI-DIRECTIONAL	
⑤	199TH AVE CT E	107+61.6	48.2' LT	UNI-DIRECTIONAL	
⑥	199TH AVE CT E	107+65.7	42.5' RT	UNI-DIRECTIONAL	WITH CONTROLLER
⑦	BLHS-MVMS	8+26.6	49.5' RT	UNI-DIRECTIONAL	
⑧	BLHS-MVMS	8+33.4	35.4' LT	UNI-DIRECTIONAL	WITH CONTROLLER
⑨	BLHS-MVMS	8+49.6	1.7' LT	BI-DIRECTIONAL	
⑩	BLHS-MVMS	10+23.4	1.6' RT	BI-DIRECTIONAL	
⑪	BLHS-MVMS	10+33.5	38.6' RT	UNI-DIRECTIONAL	
⑫	BLHS-MVMS	10+36.7	44.2' LT	UNI-DIRECTIONAL	WITH CONTROLLER

WIRING SCHEDULE**						
△ NO.	RACEWAY CONDUIT SIZE*	PPB 6C (VENDOR)	RRFB FLASHER 4C (VENDOR)	RRFB POWER #10	GROUND #8	COMMENTS
1	2" SCH80	1	1		1	
2	2" SCH80	1	1		1	
	2" SCH80	SPARE (EMPTY WITH MULE TAPE)				
3	2" SCH80	1	2		1	
	2" SCH80	2	3		1	
4	2" SCH80	SPARE (EMPTY WITH MULE TAPE)				
5	2" SCH80	2	3	2	1	
6	2" SCH80			2	1	
7	2" SCH80	1	1	2	1	
	2" SCH80	SPARE (EMPTY WITH MULE TAPE)				
8	2" SCH80	2	3	2	1	
	2" SCH80	SPARE (EMPTY WITH MULE TAPE)				
9	2" SCH80			4	1	
10	2" SCH80			8	1	
	2" SCH80	SPARE (EMPTY WITH MULE TAPE)				

* ALL CONDUIT SHALL BE PVC AND SHALL CONTAIN A GROUND WIRE EQUAL IN SIZE TO THE LARGEST CONDUCTOR (MINIMUM NO. 8) UNLESS OTHERWISE NOTED.

** RRFB MANUFACTURER'S WIRING MAY VARY FROM WHAT IS SHOWN ON THESE PLANS. CONTRACTOR SHALL INSTALL RRFB WIRING PER MANUFACTURER'S INSTRUCTIONS.



RECTANGULAR RAPID FLASHING BEACON (AC POWERED) POLE ASSEMBLY DETAIL (NOT TO SCALE)

NOTES:

1. MOUNT CONTROLLER CABINET 180 DEGREES FROM ONCOMING TRAFFIC.
2. USE STAINLESS STEEL MOUNTING CLAMPS AND BRACKETS TO MOUNT SIGNS, RRFB, AND CONTROLLER CABINET TO POLE.
3. CONTROLLERS SHALL BE INSTALLED ON THE POLE, PER THIS DETAIL, WHERE CALLED OUT IN THE PLANS.
4. POLES IN PEDESTRIAN REFUGE ISLANDS SHALL INCLUDE AN APS PUSHBUTTON ASSEMBLY WITH BI-DIRECTIONAL ARROW POINTING TO EITHER CROSSING.

PUBLIC IMPROVEMENTS

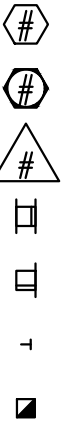
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LEGEND

DESCRIPTION

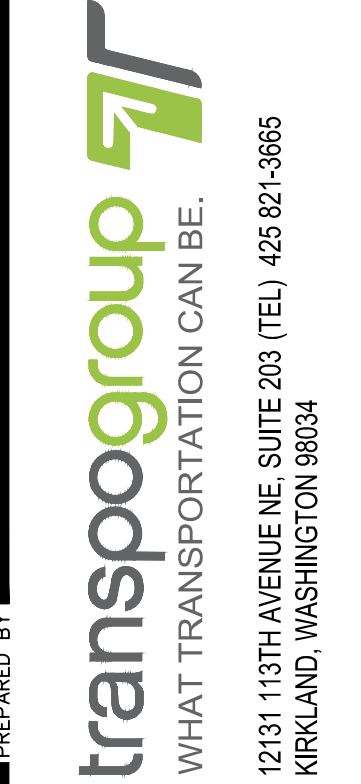
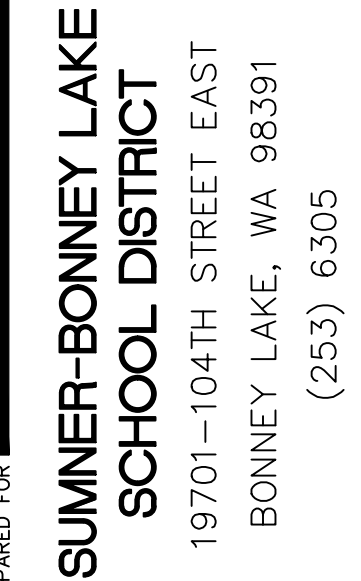
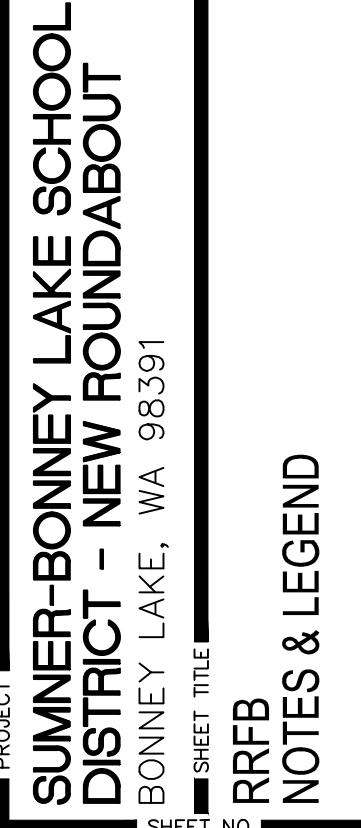
- CONDUIT
- CONSTRUCTION NOTE
- POLE CONSTRUCTION NOTE
- WIRE NOTE
- RRFB (BI-DIRECTIONAL) WITH CURB BASE
- RRFB (UNI-DIRECTIONAL) WITH CURB BASE
- APS PEDESTRIAN PUSHBUTTON (PPB) ASSEMBLY
- TYPE 2 JUNCTION BOX

SYMBOL



REVISIONS

APPROVALS

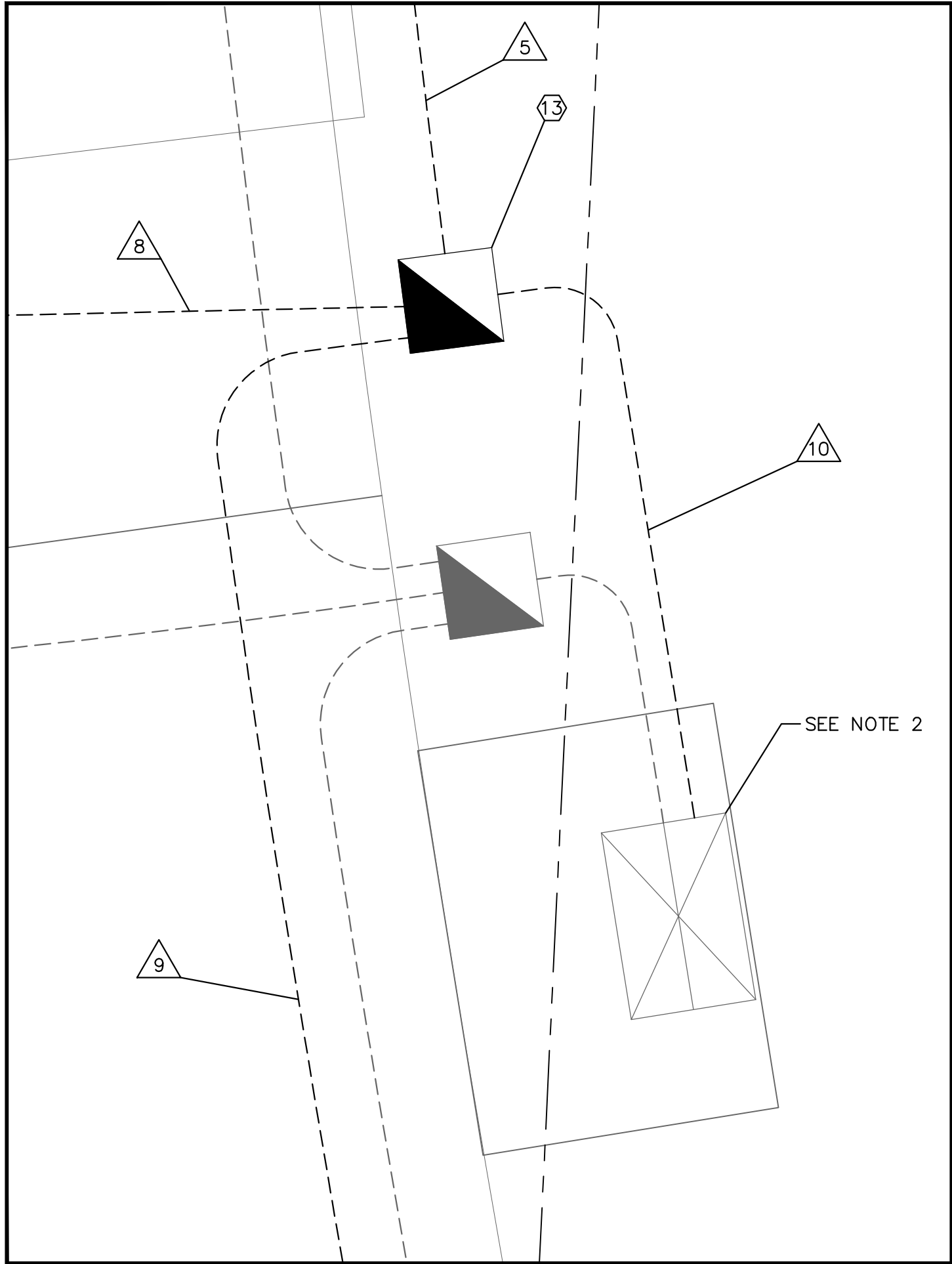
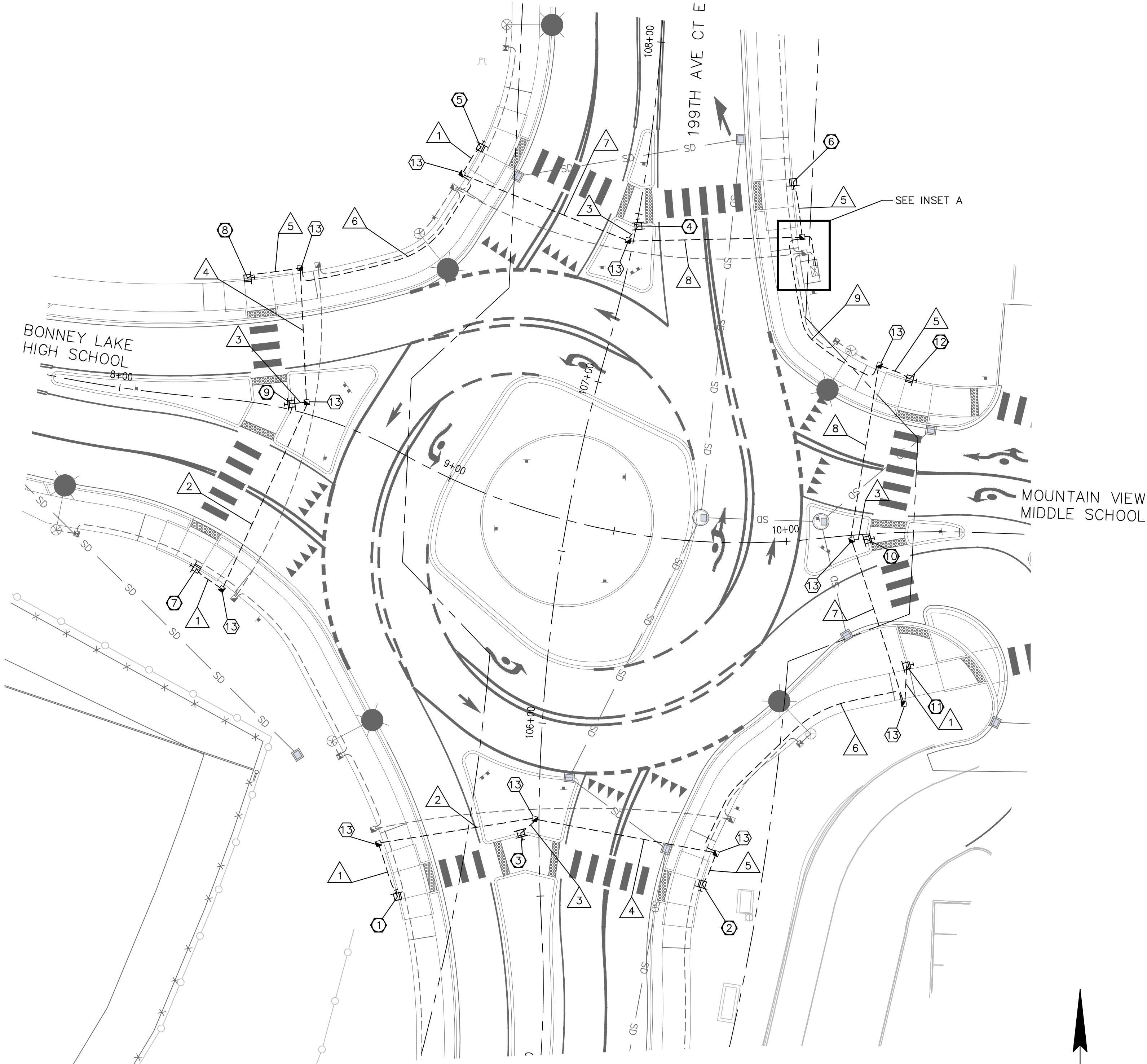


NOTE:

1. SEE SHEET FB.1 FOR RRFB GENERAL NOTES AND LEGEND, CONSTRUCTION NOTES, POLE SCHEDULE, WIRE SCHEDULE, AND DETAIL.
2. SEE SHEET IL.1 FOR SERVICE CABINET BREAKER SCHEDULE.

CONSTRUCTION NOTES

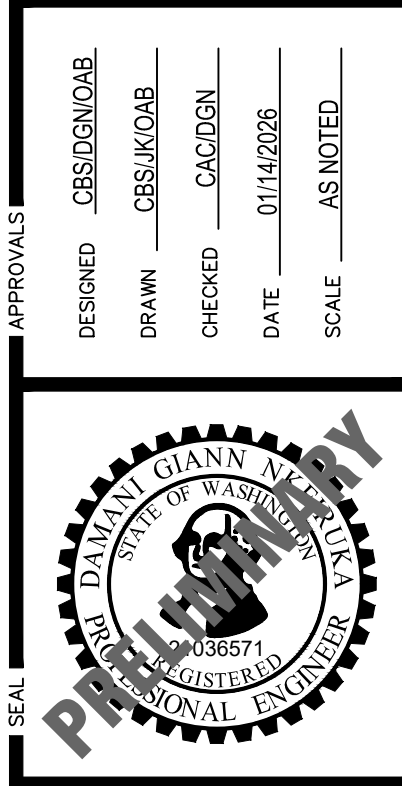
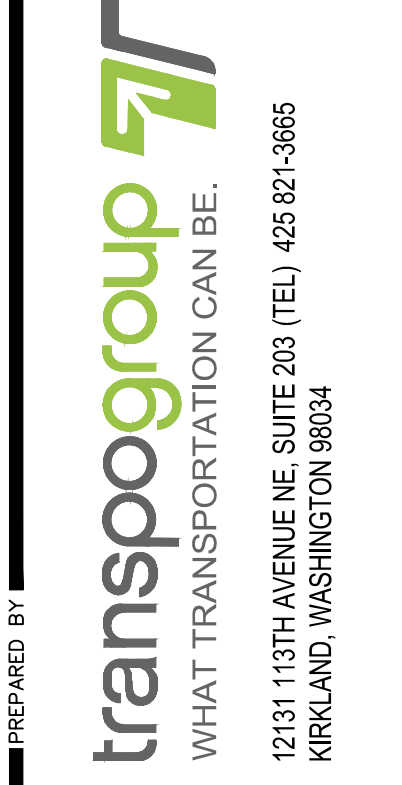
- ① INSTALL UNI-DIRECTIONAL RECTANGULAR RAPID-FLASHING BEACON (RRFB) SYSTEM INCLUDING ASSOCIATED SIGNS, FLASHERS, AND APS PUSHBUTTON ASSEMBLY. INSTALL CURB BASE FOUNDATION PER WSDOT STANDARD PLAN J-21.10-05. REFER TO RRFB DETAIL ON SHEET FB.1 FOR ADDITIONAL NOTES AND DETAILS. PEDESTRIAN PUSHBUTTON SHALL BE ORIENTED ON POLE TO BE ALIGNED PARALLEL WITH PEDESTRIAN CROSSWALK.
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- ⑬ INSTALL TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04.



PUBLIC IMPROVEMENTS

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DESIGNED	ORDINANCE
DRAWN	CSS/LK/OAB
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SCALE	AS NOTED



SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
RRFB PLAN
SHEET NO.

FB.2
PROJECT NO.
20931

LEGEND

DESCRIPTION

CONSTRUCTION NOTE

LUMINAIRE NOTE

WIRE NOTE

LUMINAIRE AND POLE

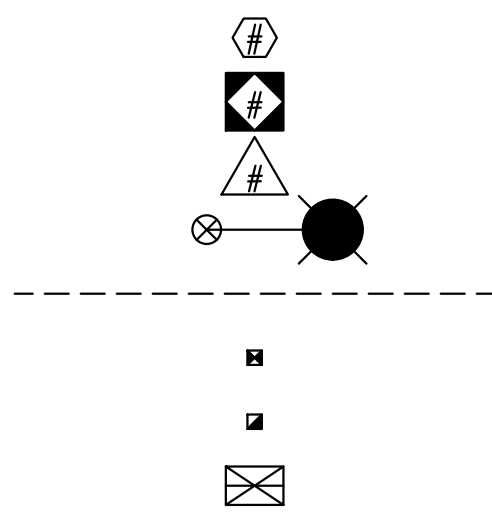
CONDUIT

TYPE 1 JUNCTION BOX

TYPE 2 JUNCTION BOX

SERVICE CABINET

SYMBOL



CONSTRUCTION NOTES

1. INSTALL 141W LED LUMINAIRE WITH TYPE 3 DISTRIBUTION ON 10' ARM AT 30' MOUNTING HEIGHT. INSTALL POLE, ARM, SLIP BASE, AND FOUNDATION PER CITY OF BONNEY LAKE STANDARD DRAWING S19 AND WSDOT STANDARD PLANS J-28.22, J-28.30-04, AND J-28.40-02.
2. INSTALL TYPE 1 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04.
3. INSTALL TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04.
4. INSTALL TYPE D ELECTRICAL SERVICE CABINET AND FOUNDATION PER WSDOT STANDARD PLANS J-10.10-04 AND J-10.21-02. COORDINATE ELECTRICAL SERVICE CONNECTION WITH PUGET SOUND ENERGY (PSE).

LIGHT LEVELS				
INTERSECTION/ ROADWAY	MINIMUM AVERAGE LIGHT LEVEL (FC)		MAXIMUM UNIFORMITY (AVG / MIN)	
	TARGET*	CALCULATED	TARGET*	CALCULATED
ROADWAY				
199TH AVE CT E	1.3	1.79	3:1	2.89
INTERSECTION				
199TH AVE CT E / BLHS-MVMS	1.90	1.95	3:1	3.06

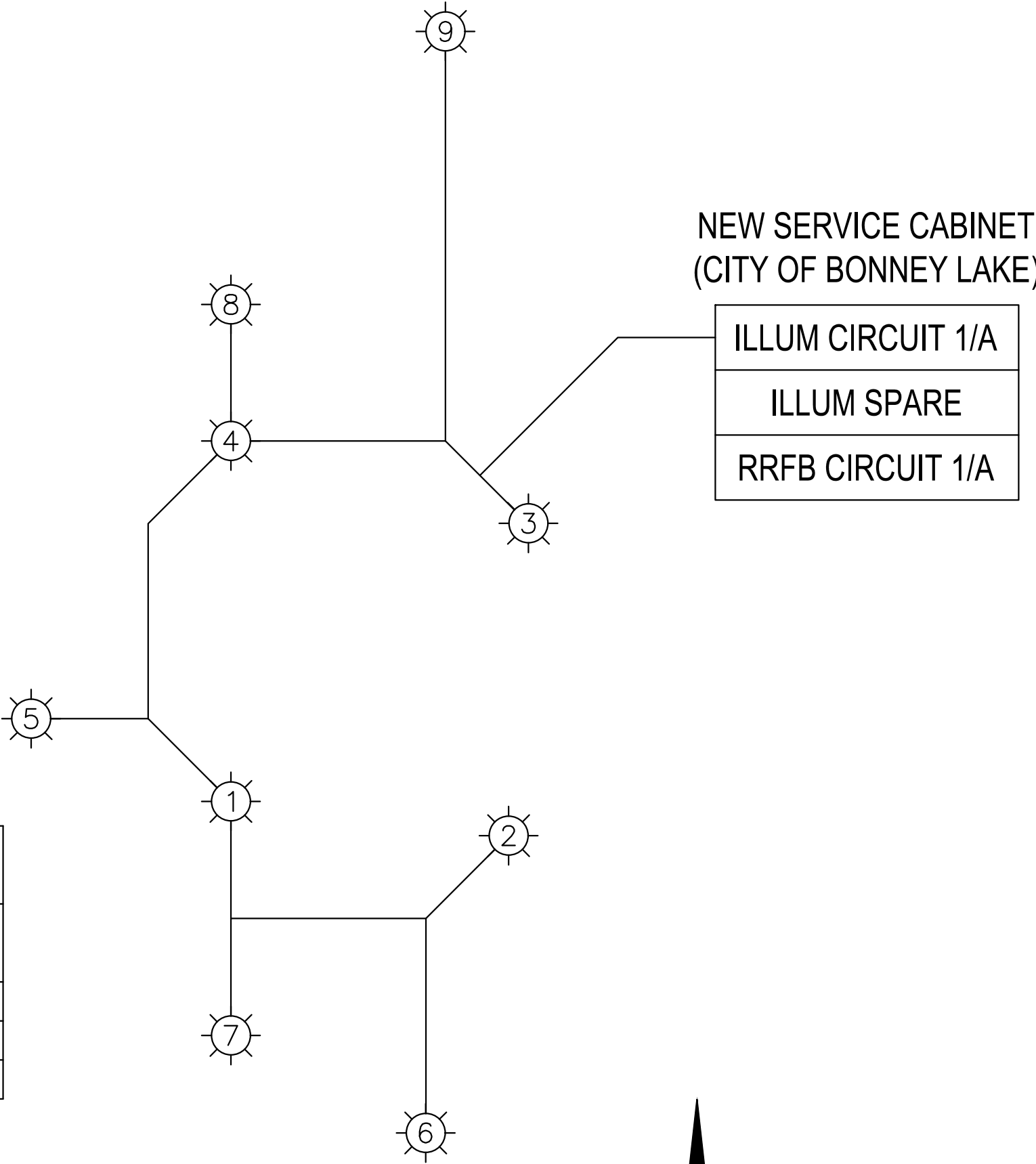
*PER IESNA RP-8-18 LIGHT LEVEL STANDARDS.

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3. ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
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5. ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL CONTACT UTILITY AGENCIES 48 HOURS PRIOR TO COMMENCING WORK AND SHALL COORDINATE WITH ALL AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES RESULTING FROM CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY AGENCY IMMEDIATELY UPON DAMAGE AND SHALL BE RESPONSIBLE FOR REPLACING DAMAGED EQUIPMENT TO THE SATISFACTION OF THE AFFECTED UTILITY AGENCY.
6. THE LOCATIONS OF PROPOSED CONDUITS AND JUNCTION BOXES SHOWN IN THESE PLANS ARE GRAPHICAL REPRESENTATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY FINAL LOCATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.
7. THE CONTRACTOR SHALL POTHOLE ALL PROPOSED LIGHT POLE FOUNDATIONS AND VERIFY NO UTILITY CONFLICT EXISTS PRIOR TO EXCAVATION.

WIRING SCHEDULE				
△ NO.	RACEWAY CONDUIT SIZE*	ILLUM #8	GROUND #8	COMMENTS
1	2" SCH80 PVC	2	1	CIRCUIT 1/A
2	2" SCH80 PVC	2	1	CIRCUIT 1/A
	2" SCH80 PVC	SPARE (EMPTY WITH MULE TAPE)		

* ALL CONDUIT SHALL BE PVC AND SHALL CONTAIN A GROUND WIRE EQUAL IN SIZE TO THE LARGEST CONDUCTOR (MINIMUM NO. 8) UNLESS OTHERWISE NOTED.



CIRCUIT DIAGRAM
NOT TO SCALE

LUMINAIRE POLE SCHEDULE											
LUMINAIRE POLE NO.	STATION REFERENCE	STATION	POLE OFFSET	LT	RT	MOUNTING HEIGHT	ARM LENGTH	WATTAGE	FIXTURE MODEL	FOUNDATION TYPE	SVC/CKT NO.
1	199TH AVE CT E	105+92.0	60.4'	X		30'	10'	141	CURRENT LIGHTING EVOLVE ERL2 (ERL2-20-C7-40-A-GRAY)	PER WSDOT STD PLAN J-28.30-04	1/A
2	199TH AVE CT E	106+02.0	77.6'		X	30'	10'	141	CURRENT LIGHTING EVOLVE ERL2 (ERL2-20-C7-40-A-GRAY)	PER WSDOT STD PLAN J-28.30-04	1/A
3	199TH AVE CT E	107+26.0	68.2'		X	30'	10'	141	CURRENT LIGHTING EVOLVE ERL2 (ERL2-20-C7-40-A-GRAY)	PER WSDOT STD PLAN J-28.30-04	1/A
4	199TH AVE CT E	107+30.0	60.9'	X		30'	10'	141	CURRENT LIGHTING EVOLVE ERL2 (ERL2-20-C7-40-A-GRAY)	PER WSDOT STD PLAN J-28.30-04	1/A
5	BLHS-MVMS	7+89.0	43.5'	X		30'	10'	141	CURRENT LIGHTING EVOLVE ERL2 (ERL2-20-C7-40-A-GRAY)	PER WSDOT STD PLAN J-28.30-04	1/A
6	199TH AVE CT E	104+15.0	38.0'		X	30'	10'	141	CURRENT LIGHTING EVOLVE ERL2 (ERL2-20-C7-40-A-GRAY)	PER WSDOT STD PLAN J-28.30-04	1/A
7	199TH AVE CT E	104+75.0	39.3'	X		30'	10'	141	CURRENT LIGHTING EVOLVE ERL2 (ERL2-20-C7-40-A-GRAY)	PER WSDOT STD PLAN J-28.30-04	1/A
8	199TH AVE CT E	108+02.0	44.8'	X		30'	10'	141	CURRENT LIGHTING EVOLVE ERL2 (ERL2-20-C7-40-A-GRAY)	PER WSDOT STD PLAN J-28.30-04	1/A
9	199TH AVE CT E	109+23.0	26.2'		X	30'	10'	141	CURRENT LIGHTING EVOLVE ERL2 (ERL2-20-C7-40-A-GRAY)	PER WSDOT STD PLAN J-28.30-04	1/A

SERVICE CABINET BREAKER SCHEDULE*				
SERVICE & CIRCUITS	VOLTAGE	LOAD (WATTS)	BREAKER SIZE (AMPS)	CONTACTOR SIZE (AMPS)
MAIN	120 / 240	2,869	100	
CIRCUIT 1/A	240	1,269	15	30
RRFB 1/B	120	1,600	20	

* ALL BUSS WORK SHALL BE RATED FOR 250 AMPS.

PUBLIC IMPROVEMENTS

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PIERCE COUNTY ORDINANCE NUMBER	DATE
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2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.	
3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.	
4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.	

DESIGNED
DRAWN
CHECKED
DATE
SCALE

ORDINANCE
CDS/LK/OAB
CAG/DGN
01/14/2026
AS NOTED

APPROVALS
SEAL
PIERCE COUNTY
KIRKLAND WASHINGTON 98004
12/31/113TH AVENUE NE SUITE 203 (TEL) 425 821-3665
WHAT TRANSPORTATION CAN BE.
transpogroup
KIRKLAND WASHINGTON 98004

PREPARED BY
SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

PROJECT
SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
ILLUMINATION
NOTES & LEGEND
SHEET NO.

PROJECT NO.
20931

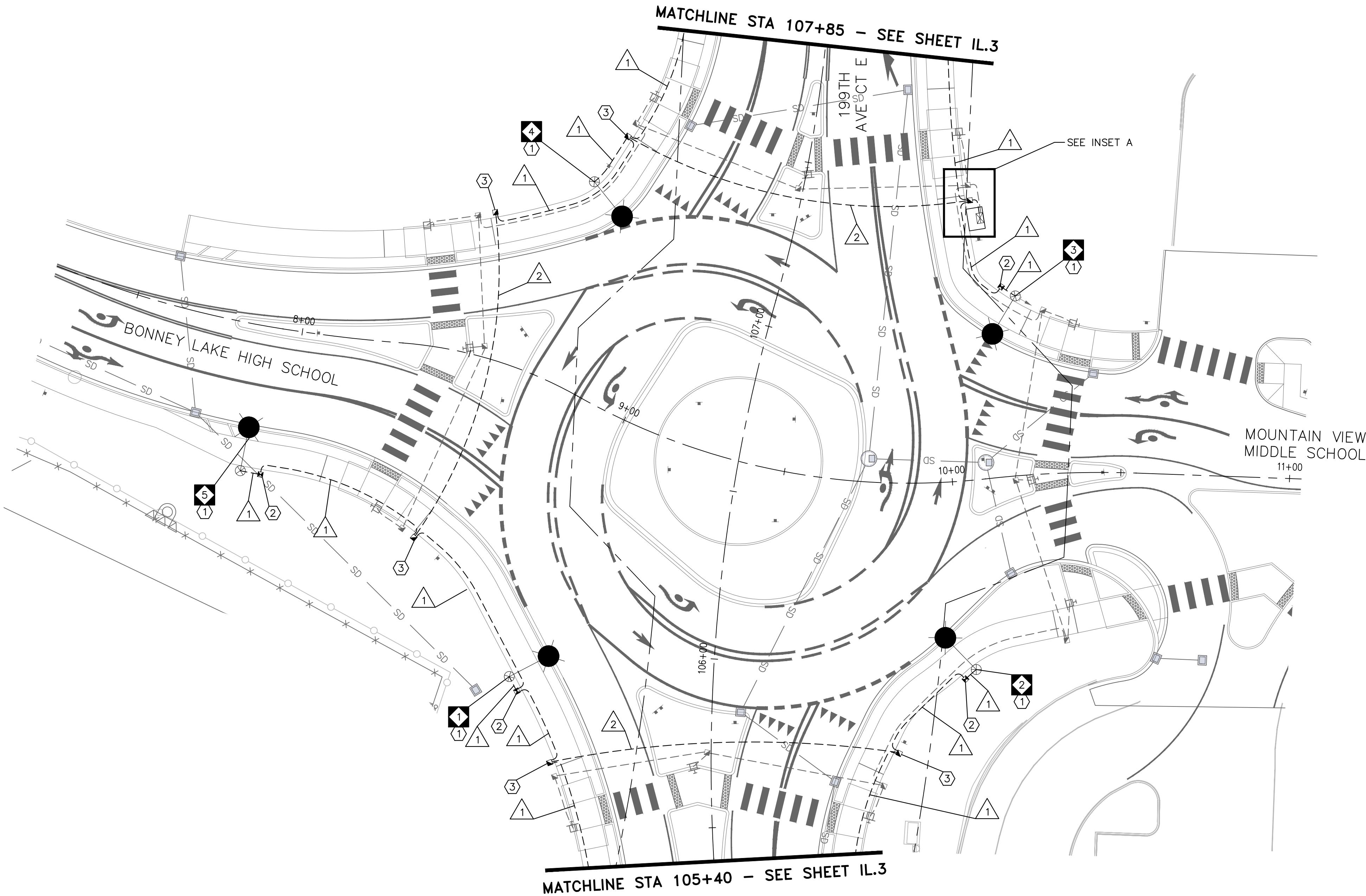
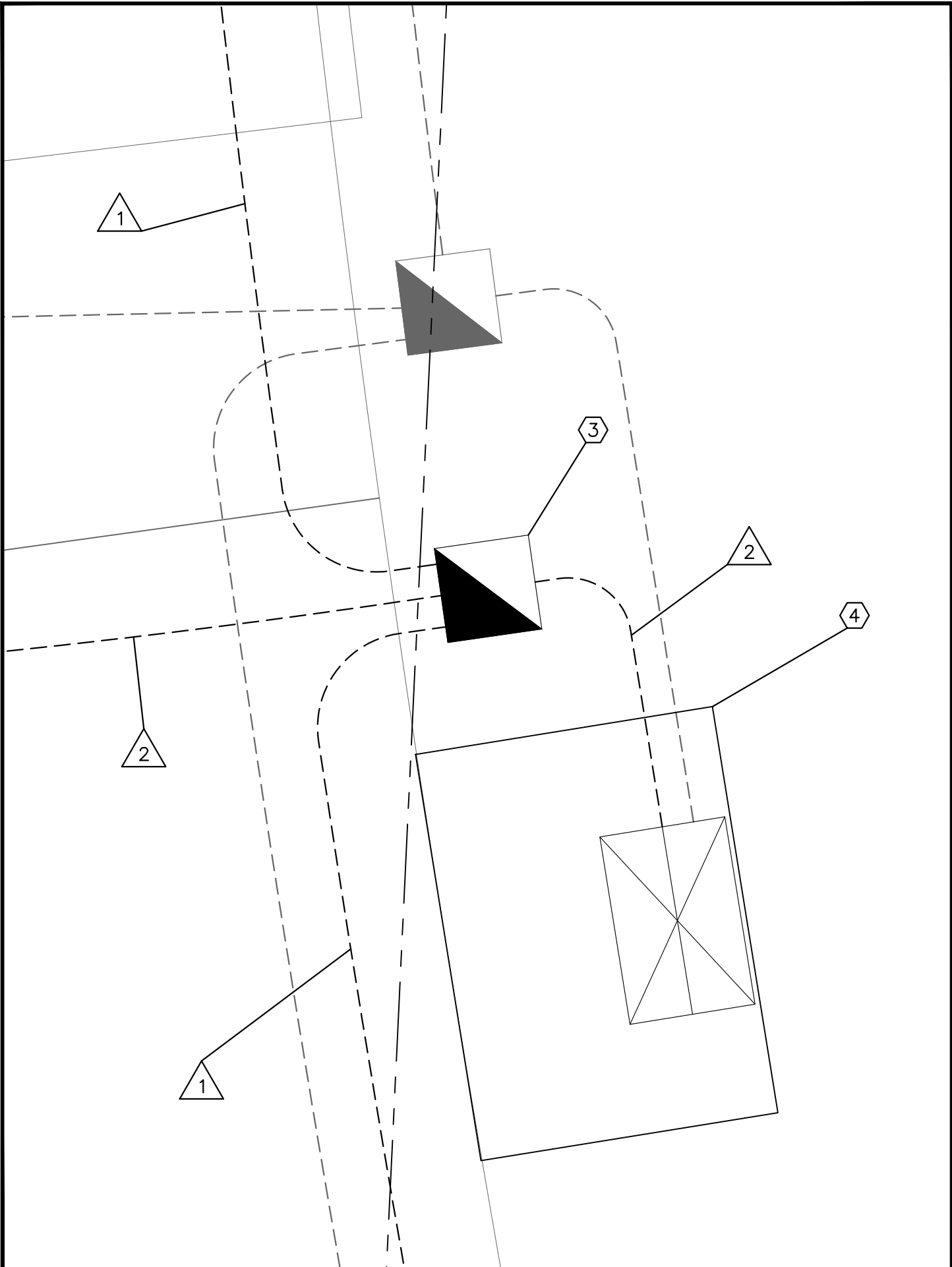


NOTE:

1. SEE SHEET IL.1 FOR ILLUMINATION GENERAL NOTES AND LEGEND, CONSTRUCTION NOTES, LUMINAIRE POLE SCHEDULE, AND LIGHT LEVELS.

PUBLIC IMPROVEMENTS

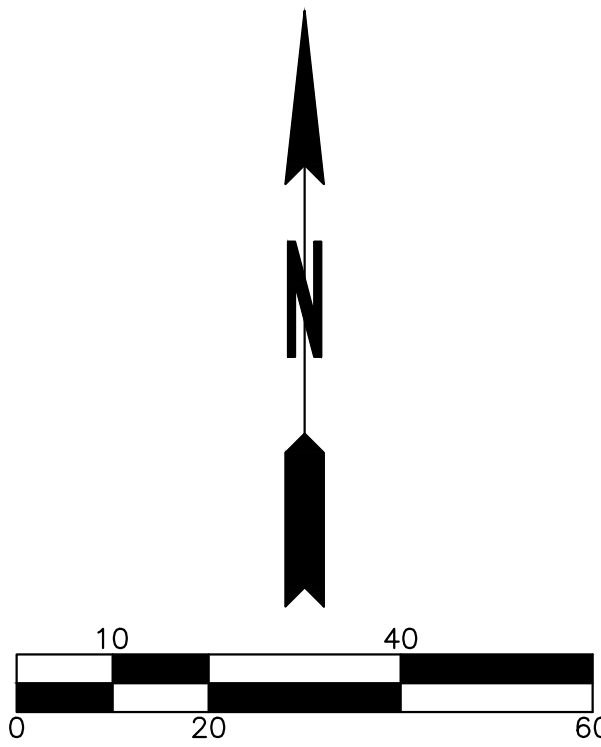
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INSET A SCALE: 1" = 2'

NOTE TO REVIEWER

1. BONNEY LAKE STANDARDS DO NOT SPECIFY A PREFERRED SERVICE CABINET TYPE. WSDOT STANDARD TYPE D SERVICE CABINET HAS BEEN CALLED OUT ON THE PLAN FOR THE NEW LIGHTING AND RRFB CIRCUITS.
2. THE EXISTING SERVICE CABINET FOR THE TRAFFIC SIGNAL SYSTEM APPEARS TO BE A MODIFIED SERVICE CABINET (POTENTIALLY PIERCE COUNTY STANDARD). IF REQUESTED, THE EXISTING SERVICE CABINET CAN BE REUSED AND RELOCATED TO THE CABINET PAD LOCATED ON THE NORTHEAST CORNER PER THIS PLAN. ADDITIONAL INFORMATION WILL BE NEEDED ON THE EXISTING SERVICE CABINET SPECS TO VERIFY ADEQUACY FOR THIS PROJECT AND PROPOSED CIRCUITS.
3. A NEW MODIFIED SERVICE CABINET CAN BE CALLED OUT FOR INSTALLATION INSTEAD OF THE WSDOT TYPE D CABINET IF A SPEC/STANDARD IS IDENTIFIED FOR THE MODIFIED CABINET.



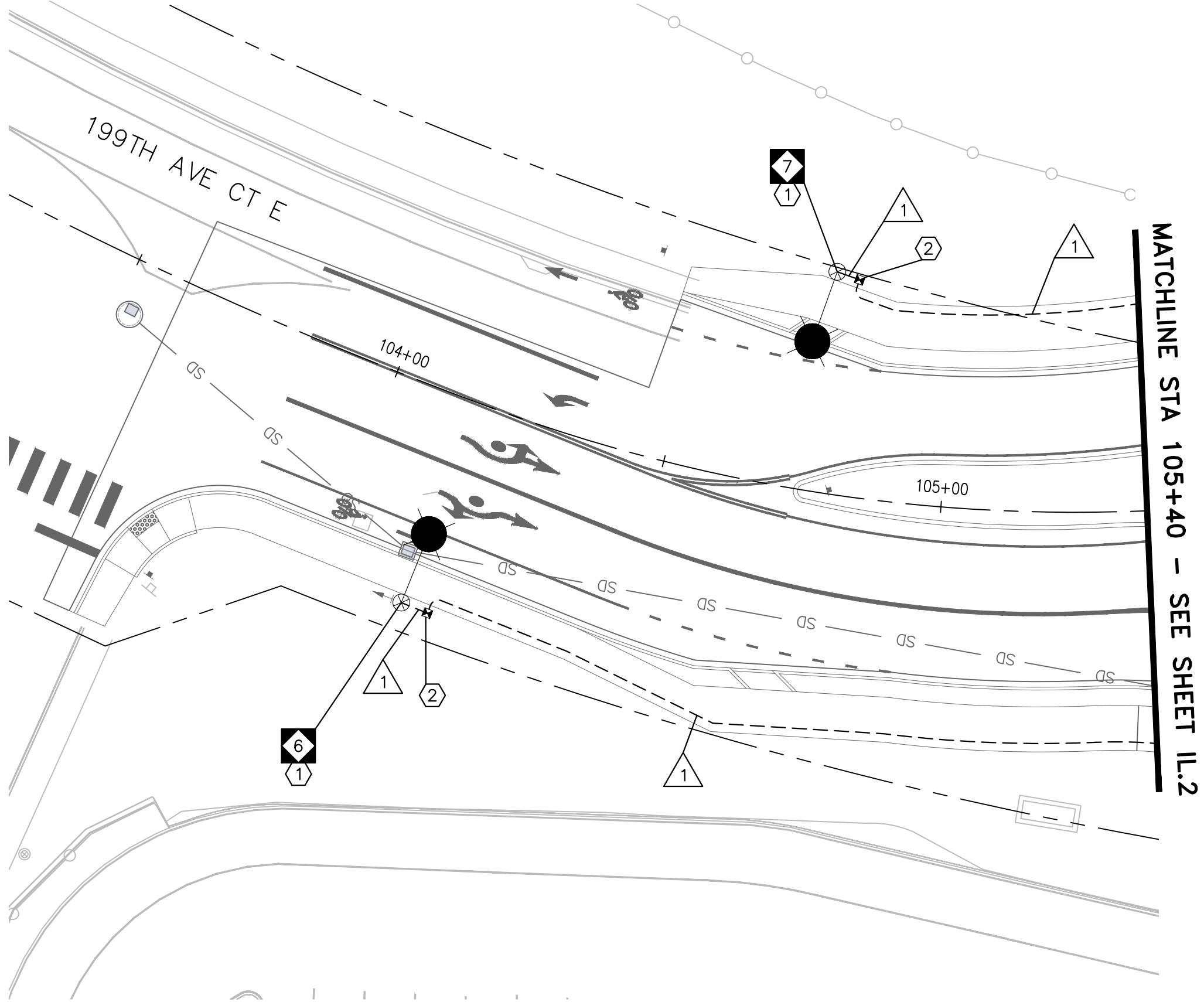
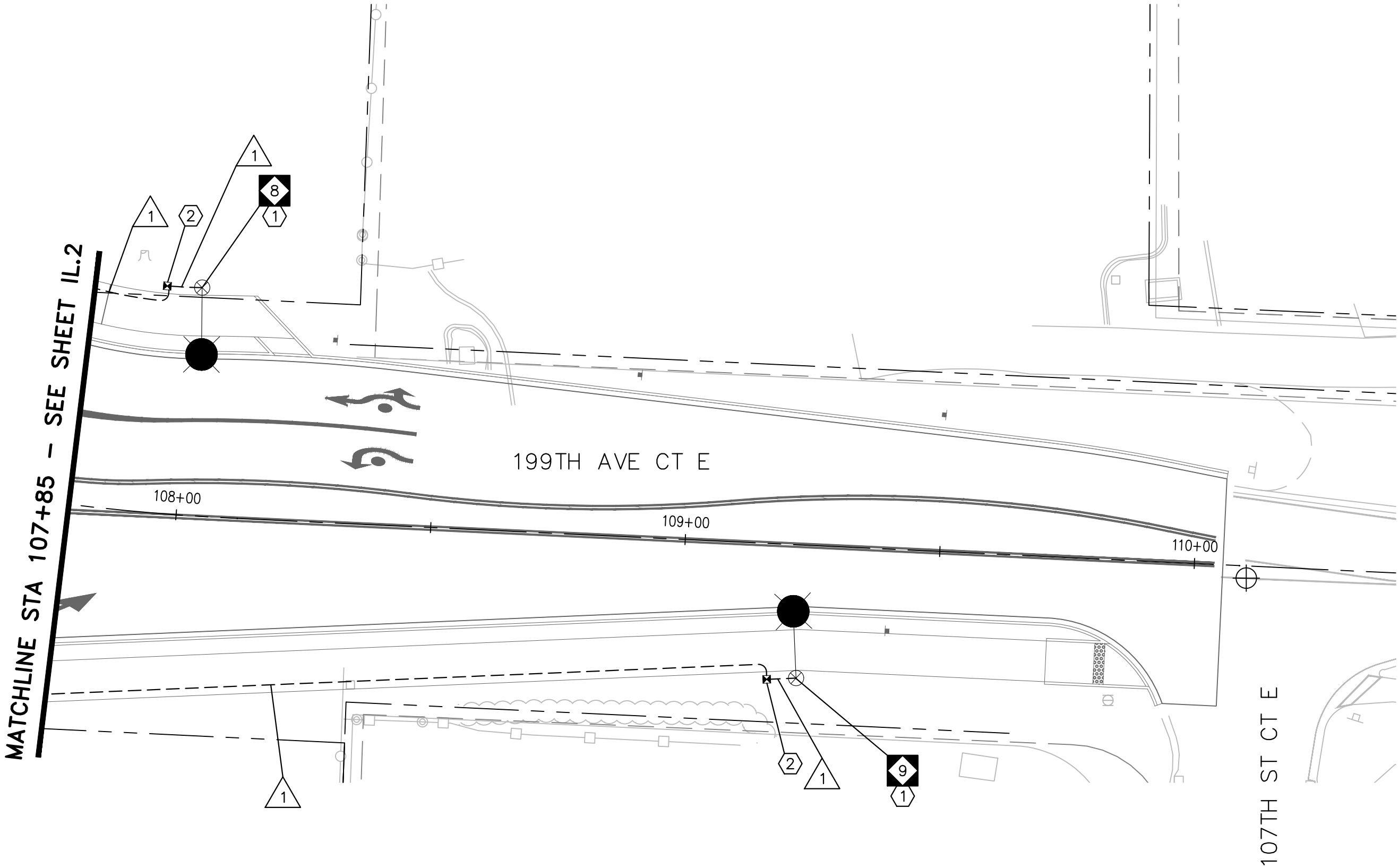
DESIGNED	ORDEN/DAB
DRAWN	GSS/JKAB
CHECKED	CAC/DGN
DATE	01/14/2026
SCALE	AS NOTED
APPROVALS	
SEAL	
PIERCE COUNTY	
transpogroup	
WHAT TRANSPORTATION CAN BE.	
12131 113TH AVENUE NE SUITE 203 (TEL) 425 821-3665	
KIRKLAND WASHINGTON 98034	
PREPARED BY	
SUMNER-BONNEY LAKE SCHOOL DISTRICT	
19701-104TH STREET EAST	
BONNEY LAKE, WA 98391	
(253) 6305	
PROJECT	
SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT	
BONNEY LAKE, WA 98391	
SHEET TITLE	
ILLUMINATION	
PLAN	
SHEET NO.	
IL.2	
PROJECT NO.	
20931	

NOTE:

1. SEE SHEET IL.1 FOR ILLUMINATION GENERAL NOTES AND LEGEND, CONSTRUCTION NOTES, LUMINAIRE POLE SCHEDULE, AND LIGHT LEVELS.

PUBLIC IMPROVEMENTS

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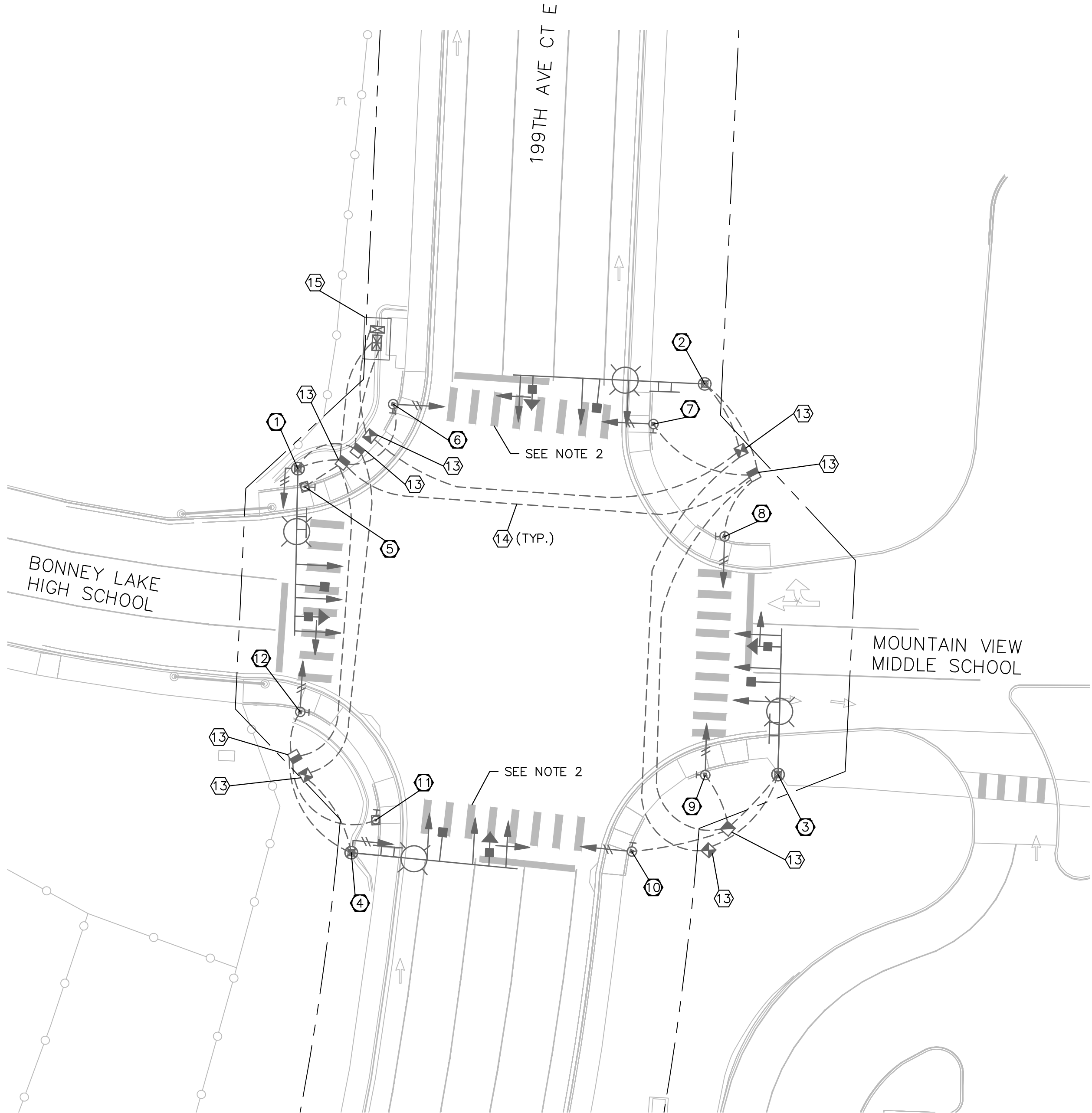
PROJECT SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT BONNEY LAKE, WA 98391	SHEET TITLE ILLUMINATION PLAN	SHEET NO. IL.3	PROJECT NO. 20931	PREPARED BY transpogroup WHAT TRANSPORTATION CAN BE. 12131113TH AVENUE NE SUITE 203 (TEL) 425 821-3665 KIRKLAND WASHINGTON 98034	DESIGNED CDS/DNDAB	DRAWN CDS/JKOAB	CHECKED CAC/DGN	DATE 01/14/2026	SCALE AS NOTED	APPROVALS	REVISIONS

NOTE:

1. EXISTING SIGNAL EQUIPMENT SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL THE CLOSURES FOR BONNEY LAKE HIGH SCHOOL AND MOUNTAIN VIEW MIDDLE SCHOOL ACCESS ARE IMPLEMENTED.
2. PRIOR TO TRAFFIC SIGNAL SHUT DOWN, CROSSWALK MARKINGS SHALL BE REMOVED WITH ASSOCIATED PEDESTRIAN PUSHBUTTONS AND PEDESTRIAN SIGNAL HEADS COVERED, BAGGED, OR REMOVED.

CONSTRUCTION NOTES

- ① REMOVE EXISTING TYPE III SIGNAL POLE, MAST ARM, FOUNDATION, AND ASSOCIATED EQUIPMENT. FOUNDATION SHALL BE REMOVED TO A DEPTH OF AT LEAST 5 FEET BELOW FINISHED GROUND OR SUBGRADE ELEVATION, WHICHEVER IS LOWER. COMPACT AND FILL VOIDS. SALVAGE EQUIPMENT TO CITY OF BONNEY LAKE.
- ② REMOVE EXISTING TYPE III SIGNAL POLE, MAST ARM, FOUNDATION, AND ASSOCIATED EQUIPMENT. FOUNDATION SHALL BE REMOVED TO A DEPTH OF AT LEAST 5 FEET BELOW FINISHED GROUND OR SUBGRADE ELEVATION, WHICHEVER IS LOWER. COMPACT AND FILL VOIDS. SALVAGE EQUIPMENT TO CITY OF BONNEY LAKE.
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- ⑤ REMOVE EXISTING TYPE PPB POST, FOUNDATION, AND ASSOCIATED EQUIPMENT. FOUNDATION SHALL BE REMOVED IN ITS ENTIRETY. COMPACT AND FILL VOIDS. SALVAGE EQUIPMENT TO CITY OF BONNEY LAKE.
- ⑥ REMOVE EXISTING TYPE PS SIGNAL POLE, FOUNDATION, AND ASSOCIATED EQUIPMENT. FOUNDATION SHALL BE REMOVED IN ITS ENTIRETY. COMPACT AND FILL VOIDS. SALVAGE EQUIPMENT TO CITY OF BONNEY LAKE.
- ⑦ REMOVE EXISTING TYPE PS SIGNAL POLE, FOUNDATION, AND ASSOCIATED EQUIPMENT. FOUNDATION SHALL BE REMOVED IN ITS ENTIRETY. COMPACT AND FILL VOIDS. SALVAGE EQUIPMENT TO CITY OF BONNEY LAKE.
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- ⑫ REMOVE EXISTING TYPE PS SIGNAL POLE, FOUNDATION, AND ASSOCIATED EQUIPMENT. FOUNDATION SHALL BE REMOVED IN ITS ENTIRETY. COMPACT AND FILL VOIDS. SALVAGE EQUIPMENT TO CITY OF BONNEY LAKE.
- ⑬ REMOVE EXISTING JUNCTION BOX AND ASSOCIATED EQUIPMENT. REMOVE CONDUIT SWEEPS FROM JUNCTION BOX LOCATION.
- ⑭ ABANDON EXISTING CONDUIT RUN.
- ⑮ REMOVE EXISTING SERVICE CABINET, TRAFFIC SIGNAL CONTROLLER CABINET, AND ASSOCIATED EQUIPMENT. REMOVE EXISTING FOUNDATION. SALVAGE EQUIPMENT TO CITY OF BONNEY LAKE.



PUBLIC IMPROVEMENTS

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PIERCE COUNTY ORDINANCE NUMBER	DATE
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DESIGNED	ORDINANCE
DRAWN	CS/LK/OAB
CHECKED	CAC/DGN
DATE	01/14/2026
SCALE	AS NOTED



SUMNER-BONNEY LAKE
SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL
DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
TRAFFIC SIGNAL
REMOVAL PLAN
SHEET NO.

TS.1
PROJECT NO.
20931

TRAFFIC CONTROL GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PART 6, WSDOT STANDARD SPECIFICATIONS, AND THE CONTRACT, UNLESS OTHERWISE NOTED. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
2. A COPY OF THE APPROVED PLAN(S) SHALL BE ON SITE DURING CONSTRUCTION.
3. ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY MUST BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.
4. NOTIFY THE FOLLOWING AGENCIES A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF ANY ROAD CLOSURES OR DETOURS:

CITY OF BONNEY LAKE PUBLIC WORKS – 253-447-4319

CITY OF BONNEY LAKE FIRE DEPARTMENT – 253-863-1800

CITY OF BONNEY LAKE POLICE DEPARTMENT – 253-863-2218

PIERCE COUNTY PUBLIC WORKS – 253-798-7250

SUMNER-BONNEY LAKE SCHOOL DISTRICT – 253-891-6000
5. ALL LANE CLOSURES SHALL BE APPROVED BY THE CITY PRIOR TO CONSTRUCTION. ANY APPROVED LANE CLOSURES WILL NOT BE PERMITTED PRIOR TO 8:30 A.M. (LOCAL TIME) AND NOT AFTER 3:30 P.M. (LOCAL TIME) WITHOUTPRIOR WRITTEN CITY APPROVAL.
6. MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES, UNLESS OTHERWISE NOTED IN THESE PLANS OR APPROVED BY THE ENGINEER.
7. THE LOCATION OF EXISTING FEATURES AND UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING CLASS A SIGNING WORK. NOT ALL EXISTING FEATURES AND UTILITIES MAY BE SHOWN.
8. ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL CONTACT UTILITY AGENCIES 48 HOURS PRIOR TO COMMENCING WORK AND SHALL COORDINATE WITH ALL AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES RESULTING FROM CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY AGENCY IMMEDIATELY UPON DAMAGE AND SHALL BE RESPONSIBLE FOR REPLACING DAMAGED EQUIPMENT TO THE SATISFACTION OF THE AFFECTED UTILITY AGENCY.
9. THE CITY WILL NOT FURNISH FLAGMEN OR ANY DEVICES FOR THE CONTROL OF TRAFFIC. ALL FLAGMEN EMPLOYED BY THE CONTRACTOR SHALL BE STATE CERTIFIED.
10. FLAGGING STATIONS SHALL BE ILLUMINATED DURING HOURS OF DARKNESS AS APPROVED BY THE ENGINEER. FLAGGERS SHOULD BE VISIBLE AND DISCERNABLE AS A FLAGGER FROM A MINIMUM DISTANCE OF 1,000’.
11. MAINTAIN EXISTING LANE WIDTHS AT ALL TIMES. DEVICES SHALL BE OFFSET FROM LANE/EDGE LINES BY A MINIMUM OF 2’. THE TRAFFIC CONTROL SUPERVISOR MAY FIELD-ADJUST DEVICES UP TO THE LANE/EDGE LINE IF NEEDED, BUT DEVICES SHALL NOT ENCROACH INTO THE OPEN LANE. WHERE EXISTING LANE WIDTHS CANNOT FEASIBLY BE MAINTAINED, LANE WIDTHS SHALL BE 10’ MINIMUM AT ALL TIMES, UNLESS OTHERWISE NOTED IN THESE PLANS.
12. WHERE STEEL PLATES ARE NECESSARY TO COVER AN EXCAVATION WITHIN THE ROADWAY, EACH SIDE OF THE PLATE SHALL HAVE A MINIMUM 12” BEARING ON THE SIDES OF THE EXCAVATION. PLATES SHALL BE ANCHORED AND BEDDED ON TEMPORARY PAVEMENT PATCH MATERIAL, SHIMMED TO PREVENT MOVEMENT, ORIENTED PERPENDICULAR TO TRAFFIC, WITH BEDDING TAPERED ON ALL SIDES TO PROVIDE SMOOTH TRANSITION FOR ALL USERS. PLATES SHALL BE TEXTURED TO PROVIDE A NON-SKID SURFACE AS APPROVED BY THE ENGINEER. PLATES SHALL BE DELINEATED WITH PAINT AT ITS EDGES AND WARNING SIGN(S) W8-24 (STEEL PLATE AHEAD) INSTALLED AS DIRECTED BY THE ENGINEER.
13. TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE CRASHWORTHY AND COMPLY WITH MUTCD PART 6.
14. CHANNELIZATION DEVICES USING DURING HOURS OF DARKNESS SHALL HAVE RETROREFLECTIVE BANDS.
15. EXISTING SIGNAGE IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL SIGNAGE SHALL BE REMOVED OR SECURELY COVERED BY A METHOD APPROVED BY THE ENGINEER.
16. TEMPORARY TRAFFIC CONTROL SIGNS IN PLACE AT ONE LOCATION CONTINUOUSLY FOR LONGER THAN SEVEN DAYS SHALL BE CLASS A.
17. CLASS A CONSTRUCTION SIGNING SHALL BE INSTALLED AS SHOWN IN THESE PLANS AND PER WSDOT STANDARD PLANS K-80.10 AND G-22.10.
18. THE CONTRACTOR SHALL FIELD STAKE AND VERIFY FINAL LOCATIONS OF PROPOSED CLASS A SIGNS WITH THE ENGINEER PRIOR TO INSTALLATION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO FIT CONDITIONS AS APPROVED BY THE ENGINEER.
19. SIGNS SHALL BE BLACK LEGEND ON ORANGE BACKGROUND, UNLESS OTHERWISE NOTED IN THESE PLANS.
20. DIAMOND SHAPED WARNING SIGNS SHALL BE 36" X 36", UNLESS OTHERWISE NOTED IN THESE PLANS.
21. SIGNS MOUNTED TO TYPE 3 AND TYPE 2 BARRICADES SHALL BE INSTALLED PER MANUFACTURER’S RECOMMENDATIONS.

22. TYPE 3 AND TYPE 2 BARRICADES SHALL BE INSTALLED PER MANUFACTURER’S RECOMMENDATIONS.
23. PROVIDE PEDESTRIAN AND BICYCLE TRAFFIC WITH AN ALTERNATE ROUTE WHEN EXISTING FACILITIES ARE INTERRUPTED BY CONSTRUCTION ACTIVITIES. ALTERNATIVE ROUTES SHALL BE CLEARLY DELINEATED AND SEPARATED FROM THE CONSTRUCTION ACTIVITIES. THE FOLLOWING GUIDANCE IS PROVIDED REGARDING TEMPORARY TRAFFIC CONTROL FOR PEDESTRIANS:

• TEMPORARY TRAFFIC CONTROL DEVICES AND OTHER CONSTRUCTION WORK/MATERIALS/EQUIPMENT SHALL NOT ENCROACH INTO THE USABLE WIDTH OF PEDESTRIAN ROUTES.

• PROVIDE A MINIMUM 84” UNOBSTRUCTED VERTICAL CLEARANCE FOR PEDESTRIAN ROUTES. SIGNS AND OTHER DEVICES LOWER THAN 84” ABOVE THE PEDESTRIAN ROUTE SHALL NOT PROJECT GREATER THAN 4” INTO THE ROUTE.

• MAINTAIN THE WIDTH OF EXISTING PEDESTRIAN ROUTES WHENEVER FEASIBLE. WHEN NOT FEASIBLE TO MAINTAIN A MINIMUM WIDTH OF 60” THROUGH THE LENGTH OF THE ROUTE, MAINTAIN A MINIMUM WIDTH OF 48” THROUGH THE LENGTH OF THE ROUTE AND PROVIDE 60”X60” PASSING ZONES SPACED AT MAXIMUM INTERVALS OF 200’ ALONG THE ROUTE.

• PROVIDE A SMOOTH, CONTINUOUS, HARD SURFACE THROUGH THE LENGTH AND WIDTH OF THE PEDESTRIAN ROUTE. THERE SHALL BE NO CURBS OR VERTICAL ELEVATION CHANGES GREATER THAN 1/2” IN GRADE OR TERRAIN. VERTICAL ELEVATION DIFFERENCES BETWEEN 1/4” AND 1/2” SHALL BE BEVELED AT A MAXIMUM SLOPE OF 2:1.

• IF CHANNELIZATION DEVICES ARE USED TO DELINEATE A PEDESTRIAN ROUTE, A CONTINUOUS DETECTABLE EDGING SHALL BE PROVIDED THROUGH THE LENGTH OF THE ROUTE. THE TOP OF THE EDGING SHALL BE A MINIMUM OF 32” ABOVE THE ROUTE SURFACE AND THE BOTTOM OF THE EDGING SHALL BE A MAXIMUM OF 2” ABOVE THE ROUTE SURFACE.

• AT LOCATIONS WHERE PROVIDING AN ALTERNATE PEDESTRIAN ROUTE IS INFEASIBLE, PEDESTRIAN CLOSURE/DIRECTION SIGNAGE SHALL BE POSTED IN ADVANCE OF THE PEDESTRIAN FACILITY CLOSURE AT THE NEAREST MARKED CROSSWALK OR INTERSECTION.

• PHYSICAL BARRICADES SHALL BE INSTALLED WHEREVER THE EXISTING ACCESSIBLE ROUTE IS CLOSED TO PREVENT PEDESTRIANS FROM INADVERTENTLY ENTERING A WORK AREA.

• TEMPORARY RAMPS SHALL BE CONSTRUCTED WHEREVER AN ALTERNATE PEDESTRIAN ROUTE CROSSES A CURB AND EXISTING CURB RAMPS ARE UNAVAILABLE. THE MINIMUM WIDTH OF THE RAMP SHALL BE 48”; THE MAXIMUM SLOPE OF THE RAMP SHALL BE 8.3%; THE MAXIMUM CROSS SLOPE OF THE RAMP SHALL BE 2%. THE BOTTOM OF THE TEMPORARY RAMP SHALL BE FLUSH WITH THE ROADWAY. TEMPORARY DETECTABLE WARNING MATS (OR SIMILAR) SHALL BE INSTALLED AT STREET CROSSINGS.

• INFORMATION REGARDING CLOSED PEDESTRIAN ROUTES, ALTERNATE CROSSINGS, AND SIGN/SIGNAL INFORMATION SHALL BE COMMUNICATED TO PEDESTRIANS BY PROVIDING DEVICES SUCH AS AUDIBLE INFORMATION DEVICES, ACCESSIBLE PEDESTRIAN SIGNALS, AND/OR DETECTABLE BARRIER/CHANNELIZATION DEVICES.

LEGEND

DESCRIPTION

RIGHT-OF-WAY

CONSTRUCTION NOTE

SIGN NOTE

SHORT DURATION TEMPORARY PAVEMENT MARKING PER WSDOT STD. PLAN K-70.20-01

CHANNELIZATION DEVICE (HIGH VISIBILITY)

CLASS A SIGN PER WSDOT STD. PLAN K-80.10-02

TEMPORARY SIGN ON PORTABLE CRASHWORTHY SUPPORT

TEMPORARY SIGN (5 FT MIN. HEIGHT)

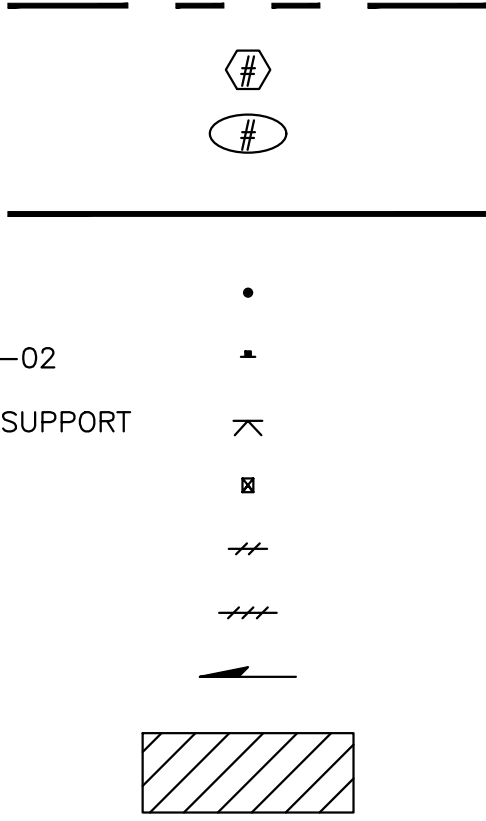
TYPE II BARRICADE

TYPE III BARRICADE

DIRECTION OF TRAVEL

WORK AREA

SYMBOL



SIGN SPACING = X (1)

RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ±
URBAN STREETS	25 MPH OR LESS	100' ±

CHANNELIZATION DEVICE SPACING (FT)

MPH	TAPER	TANGENT
25 / 30	20	40

MINIMUM LANE CLOSURE TAPER LENGTH = L (FT)

LANE WIDTH (FT)	POSTED SPEED (MPH)	
	20	30
10	105	150
11	115	165
12	125	180

MINIMUM SHOULDER TAPER LENGTH = L/3 (FT)

SHOULDER WIDTH (FT)	POSTED SPEED (MPH)	
	25	30
8	40	40
10	40	60
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THAN 8’.		

PUBLIC IMPROVEMENTS

COUNTY ENGINEER	PERMIT #
PIERCE COUNTY ORDINANCE NUMBER	DATE
1. CONTACT THE AREA INSPECTOR, AT 253-798-7250, TO COORDINATE THE PRE-CONSTRUCTION MEETING AND COUNTY INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION.	
2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.	
3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.	
4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.	

REVISIONS

DESIGNED	ORDINANCE
DRAWN	CSS/LK/OAB
CHECKED	CAC/DGN
DATE	01/14/2026
SCALE	AS NOTED



WHAT TRANSPORTATION CAN BE.

12/31113TH AVENUE NE SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034

SUMNER-BONNEY LAKE
SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL
DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
TRAFFIC CONTROL PLAN
NOTES & LEGEND
SHEET NO.

TC.1
PROJECT NO.
20931



NOTES:

- SEE SHEET TC.1 FOR GENERAL NOTES, TABLES, AND LEGEND.
- COORDINATE WITH SUMNER-BONNEY LAKE SCHOOL DISTRICT TO IMPLEMENT ON-SITE TEMPORARY TRAFFIC CONTROL AS NEEDED FOR VEHICLES AND PEDESTRIANS LOCATED ON BONNEY LAKE HIGH SCHOOL AND MOUNTAIN VIEW MIDDLE SCHOOL PROPERTIES.
- REMOVE EXISTING CHANNELIZATION WHICH CONFLICTS WITH TEMPORARY CHANNELIZATION AND AS DIRECTED BY THE ENGINEER.
- REMOVE TEMPORARY CHANNELIZATION WHEN NO LONGER NEEDED FOR CONSTRUCTION STAGING IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 8-22.3(6) OR BY METHOD APPROVED IN WRITING BY THE ENGINEER.
- EXISTING CHANNELIZATION BEYOND THE LIMITS OF FINAL CHANNELIZATION IMPROVEMENTS THAT WAS REMOVED FOR THE INSTALLATION OF TEMPORARY CHANNELIZATION SHALL BE RESTORED BY THE CONTRACTOR TO PRE-CONSTRUCTION LEVEL OR BETTER.

CONSTRUCTION NOTES

- INSTALL TEMPORARY PEDESTRIAN RAMP PER PIERCE COUNTY STANDARD DRAWING PC.51.3 SHOWN ON SHEET TC.8.
- INSTALL TEMPORARY PEDESTRIAN RAMP PER WSDOT DETAIL TC-53 SHOWN ON SHEET TC.8.
- COVER EXISTING "BUSES ONLY" SIGN.
- MAINTAIN PEDESTRIAN ACCESS.
- INSTALL SHORT DURATION TEMPORARY PAVEMENT MARKING PER WSDOT STD. PLAN K-70.20-01.
- INSTALL SHORT DURATION TEMPORARY CROSSWALK MARKINGS PER WSDOT STD. PLAN M-15.10-02 USING PAINT.
- INSTALL TYPE III BARRICADE(S) (WITH SIGN, IF NOTED).
- INSTALL TYPE II BARRICADE(S) (WITH SIGN, IF NOTED).

LEGEND

DESCRIPTION

RIGHT-OF-WAY

CONSTRUCTION NOTE

SIGN NOTE

SHORT DURATION TEMPORARY PAVEMENT MARKING PER WSDOT STD. PLAN K-70.20-01

CHANNELIZATION DEVICE (HIGH VISIBILITY)

CLASS A SIGN PER WSDOT STD. PLAN K-80.10-02

TEMPORARY SIGN (5 FT MIN. HEIGHT)

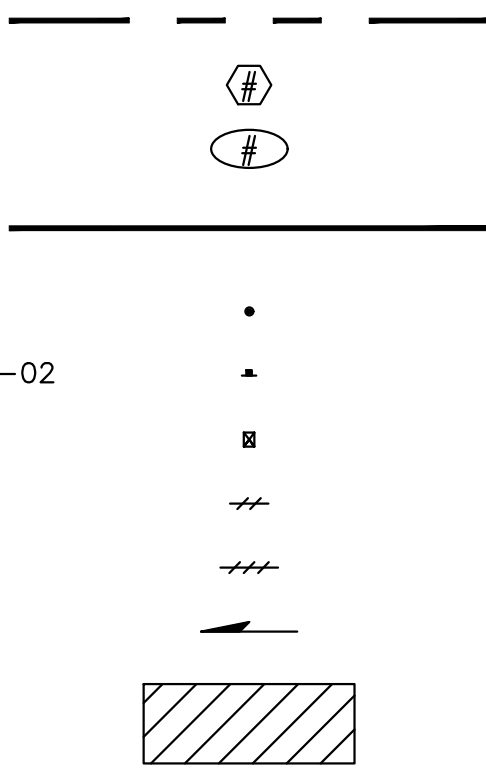
TYPE II BARRICADE

TYPE III BARRICADE

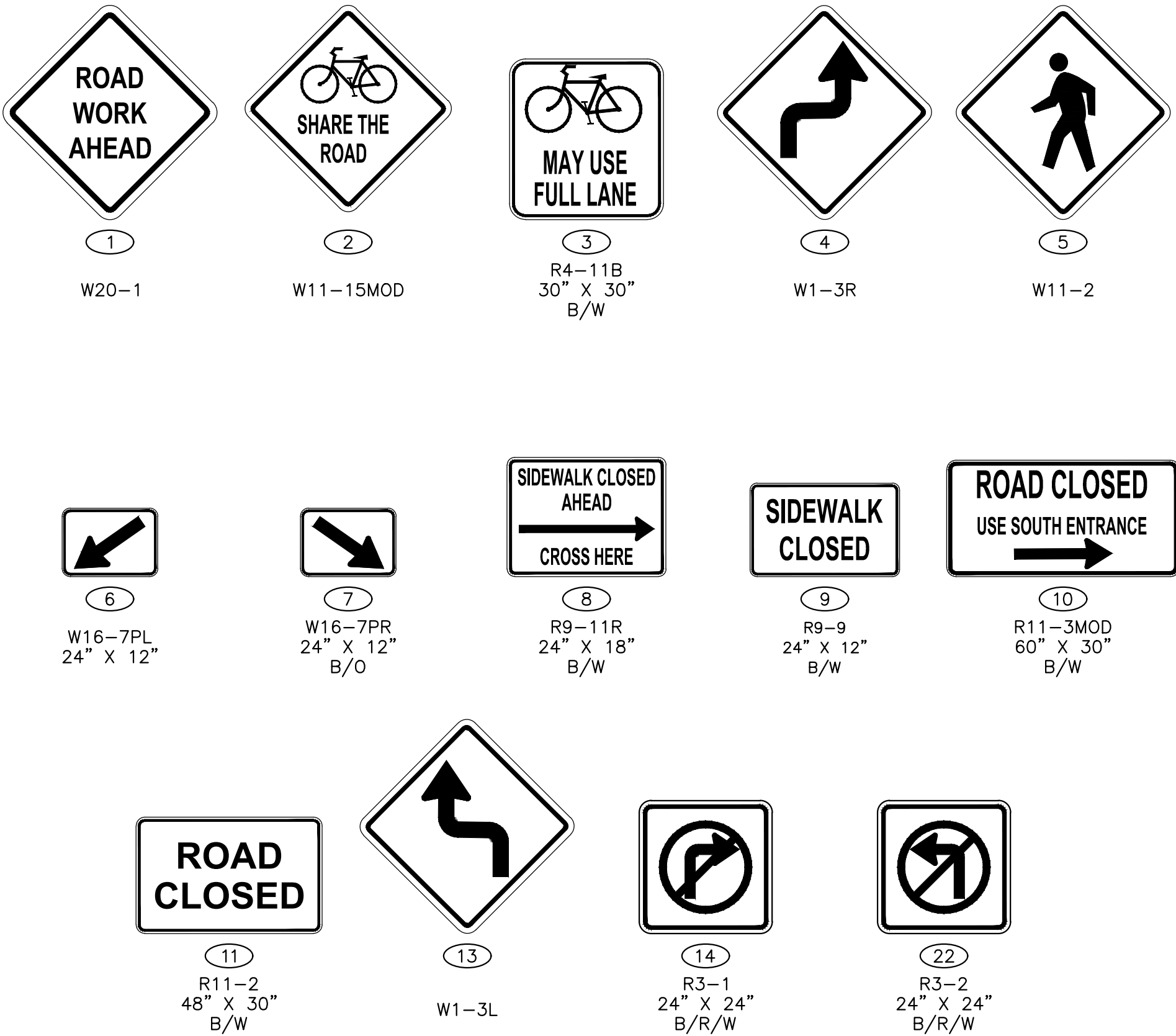
DIRECTION OF TRAVEL

WORK AREA

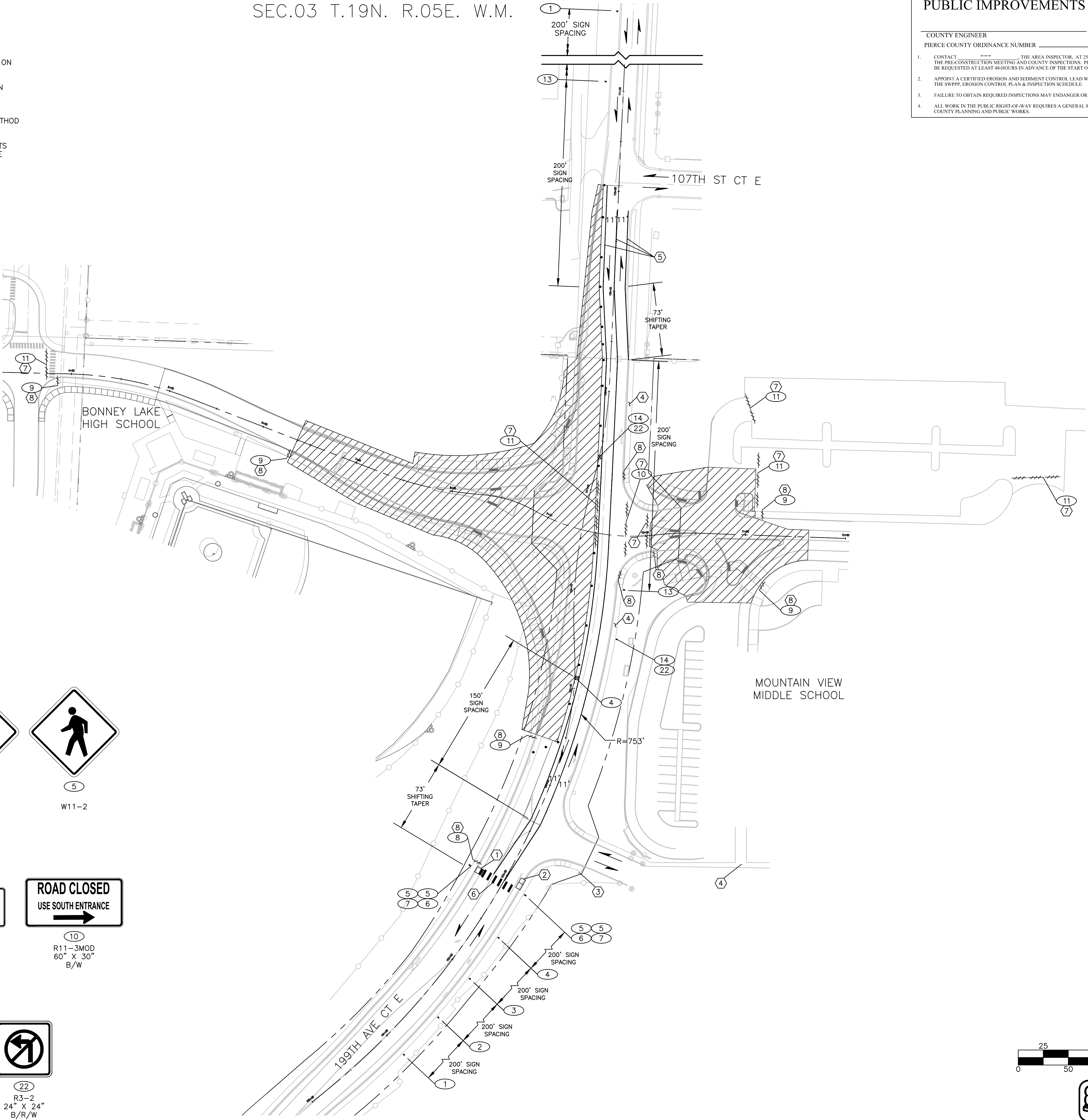
SYMBOL



SIGN LEGEND (THIS SHEET ONLY)



SEC.03 T.19N. R.05E. W.M.



PUBLIC IMPROVEMENTS

COUNTY ENGINEER	PERMIT #
PIERCE COUNTY ORDINANCE NUMBER	DATE
1. CONTACT THE AREA INSPECTOR, AT 253-796-1111, TO COORDINATE THE PRE-CONSTRUCTION MEETING AND COUNTY INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION.	
2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.	
3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.	
4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.	

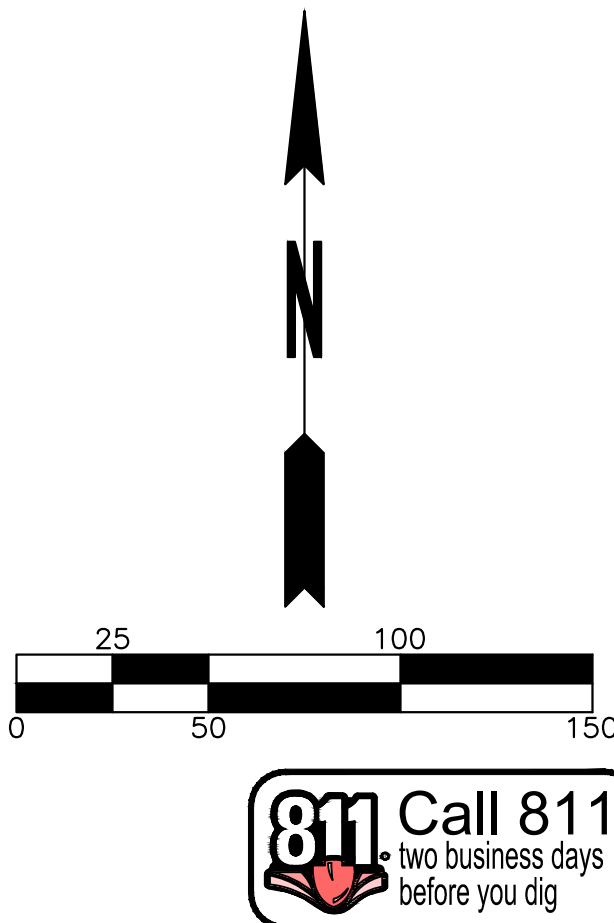
DESIGNED	ORDINANCE
DRAWN	CDS/JKOAB
CHECKED	CAC/DGN
DATE	01/14/2026
SCALE	AS NOTED



SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
TRAFFIC CONTROL PLAN
STAGE 1
SHEET NO.

TC.2
PROJECT NO.
20931



M:\25\12510100 - Bonney Lake HS 948\Engineering\CAD\Plan Sheets\251010-TC-M07-PLAN.dwg last edited: 01/09/26 12:54pm by: oheebika

NOTES:

1. SEE SHEET TC.1 FOR GENERAL NOTES, TABLES, AND LEGEND.
2. 199TH AVE CT CLOSED TO SOUTHBOUND TRAFFIC AT 107TH ST CT E. DETOUR ON SHEET TC.6 SHALL BE IMPLEMENTED CONCURRENTLY WITH THE TRAFFIC CONTROL SETUP SHOWN ON THIS SHEET.
3. COORDINATE WITH SUMNER-BONNEY LAKE SCHOOL DISTRICT TO IMPLEMENT ON-SITE TEMPORARY TRAFFIC CONTROL AS NEEDED FOR VEHICLES AND PEDESTRIANS LOCATED ON BONNEY LAKE HIGH SCHOOL AND MOUNTAIN VIEW MIDDLE SCHOOL PROPERTIES.
4. REMOVE EXISTING CHANNELIZATION WHICH CONFLICTS WITH TEMPORARY CHANNELIZATION AND AS DIRECTED BY THE ENGINEER.
5. REMOVE TEMPORARY CHANNELIZATION WHEN NO LONGER NEEDED FOR CONSTRUCTION STAGING IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 8-22.3(6) OR BY METHOD APPROVED IN WRITING BY THE ENGINEER.
6. EXISTING CHANNELIZATION BEYOND THE LIMITS OF FINAL CHANNELIZATION IMPROVEMENTS THAT WAS REMOVED FOR THE INSTALLATION OF TEMPORARY CHANNELIZATION SHALL BE RESTORED BY THE CONTRACTOR TO PRE-CONSTRUCTION LEVEL OR BETTER.

CONSTRUCTION NOTES

- ① MAINTAIN TEMPORARY PEDESTRIAN RAMP FROM PREVIOUS STAGE.
- ② MAINTAIN TEMPORARY CHANNELIZATION FROM PREVIOUS STAGE.
- ③ MAINTAIN TEMPORARY SIGNING FROM PREVIOUS STAGE.
- ④ MAINTAIN PEDESTRIAN ACCESS.
- ⑤ MAINTAIN SIGN COVERING FROM PREVIOUS STAGE.
- ⑥ MAINTAIN BARRICADE (AND SIGN IF PRESENT) FROM PREVIOUS STAGE.
- ⑦ RELOCATE BARRICADES PLACED IN PREVIOUS STAGE.
- ⑧ RELOCATE SIGN(S) PLACED IN PREVIOUS STAGE.
- ⑨ INSTALL TYPE III BARRICADE(S) (WITH SIGN, IF NOTED).

LEGEND

DESCRIPTION

DESCRIPTION	SYMBOL
RIGHT-OF-WAY	---
CONSTRUCTION NOTE	①
SIGN NOTE	②
SHORT DURATION TEMPORARY PAVEMENT MARKING PER WSDOT STD. PLAN K-70.20-01	---
CHANNELIZATION DEVICE (HIGH VISIBILITY)	•
CLASS A SIGN PER WSDOT STD. PLAN K-80.10-02	▲
TEMPORARY SIGN (5 FT MIN. HEIGHT)	■
TYPE II BARRICADE	///
TYPE III BARRICADE	///
DIRECTION OF TRAVEL	→
WORK AREA	▨

SIGN LEGEND (THIS SHEET ONLY)



⑪
R11-2
48" X 30"
B/W



⑮
M4-10L
48" X 18"

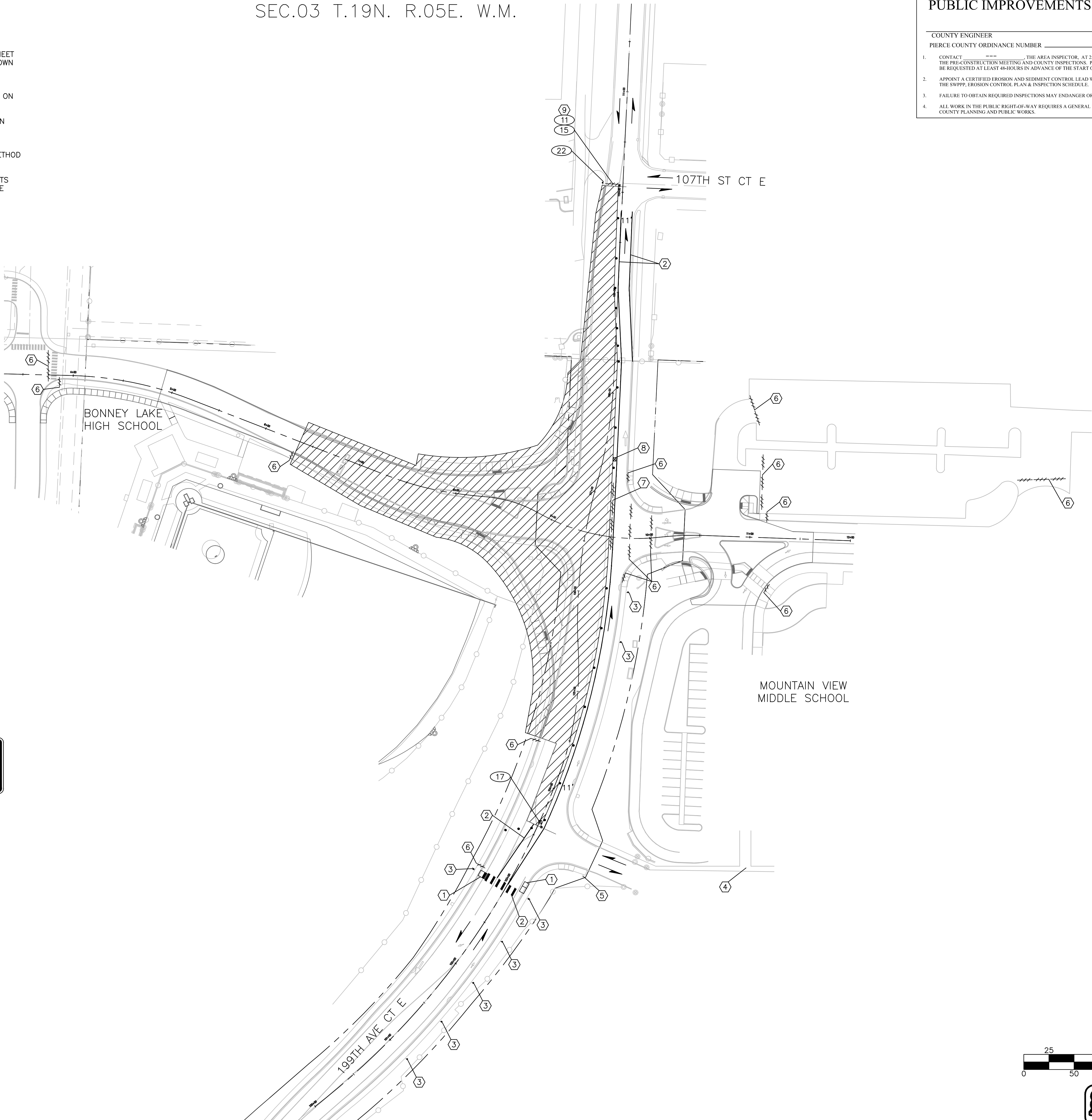
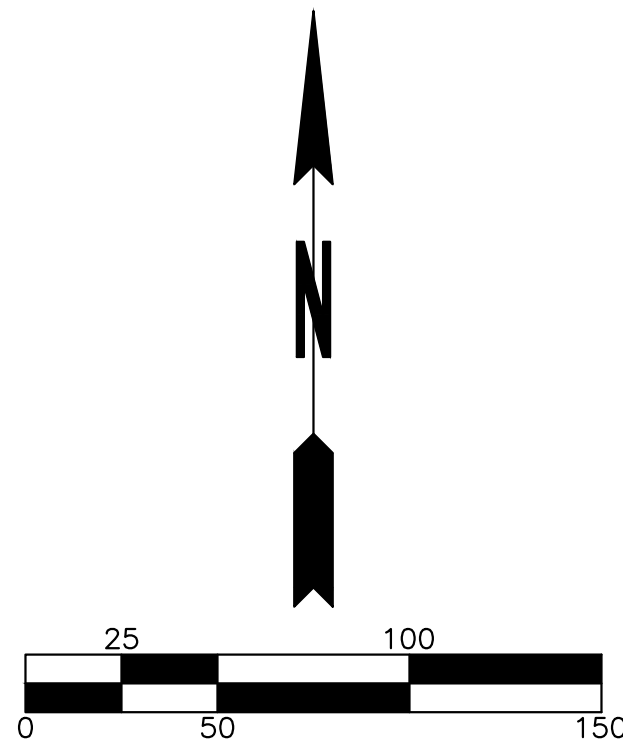


⑰
R4-7B
24" X 30"
B/W



⑳
R3-2
24" X 24"
B/R/W

SEC.03 T.19N. R.05E. W.M.



PUBLIC IMPROVEMENTS

COUNTY ENGINEER	PERMIT #
PIERCE COUNTY ORDINANCE NUMBER	DATE
1. CONTACT THE AREA INSPECTOR, AT 255-796, TO COORDINATE THE PRE-CONSTRUCTION MEETING AND COUNTY INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION.	
2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.	
3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.	
4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.	

DESIGNED	ORDEN/DAB
DRAWN	GSJ/KOAB
CHECKED	CAC/DGN
DATE	01/14/26
SCALE	AS NOTED



PROJECT
SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
TRAFFIC CONTROL PLAN
STAGE 1.5
PREPARED FOR
SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

PROJECT
SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
TRAFFIC CONTROL PLAN
STAGE 1.5
PREPARED FOR
SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

PROJECT NO.
TC.3
20931

NOTES:

- SEE SHEET TC.1 FOR GENERAL NOTES, TABLES, AND LEGEND.
- COORDINATE WITH SUMNER-BONNEY LAKE SCHOOL DISTRICT TO IMPLEMENT ON-SITE TEMPORARY TRAFFIC CONTROL AS NEEDED FOR VEHICLES AND PEDESTRIANS LOCATED ON BONNEY LAKE HIGH SCHOOL AND MOUNTAIN VIEW MIDDLE SCHOOL PROPERTIES.
- REMOVE EXISTING CHANNELIZATION WHICH CONFLICTS WITH TEMPORARY CHANNELIZATION AND AS DIRECTED BY THE ENGINEER.
- REMOVE TEMPORARY CHANNELIZATION WHEN NO LONGER NEEDED FOR CONSTRUCTION STAGING IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 8-22.3(6) OR BY METHOD APPROVED IN WRITING BY THE ENGINEER.
- EXISTING CHANNELIZATION BEYOND THE LIMITS OF FINAL CHANNELIZATION IMPROVEMENTS THAT WAS REMOVED FOR THE INSTALLATION OF TEMPORARY CHANNELIZATION SHALL BE RESTORED BY THE CONTRACTOR TO PRE-CONSTRUCTION LEVEL OR BETTER.

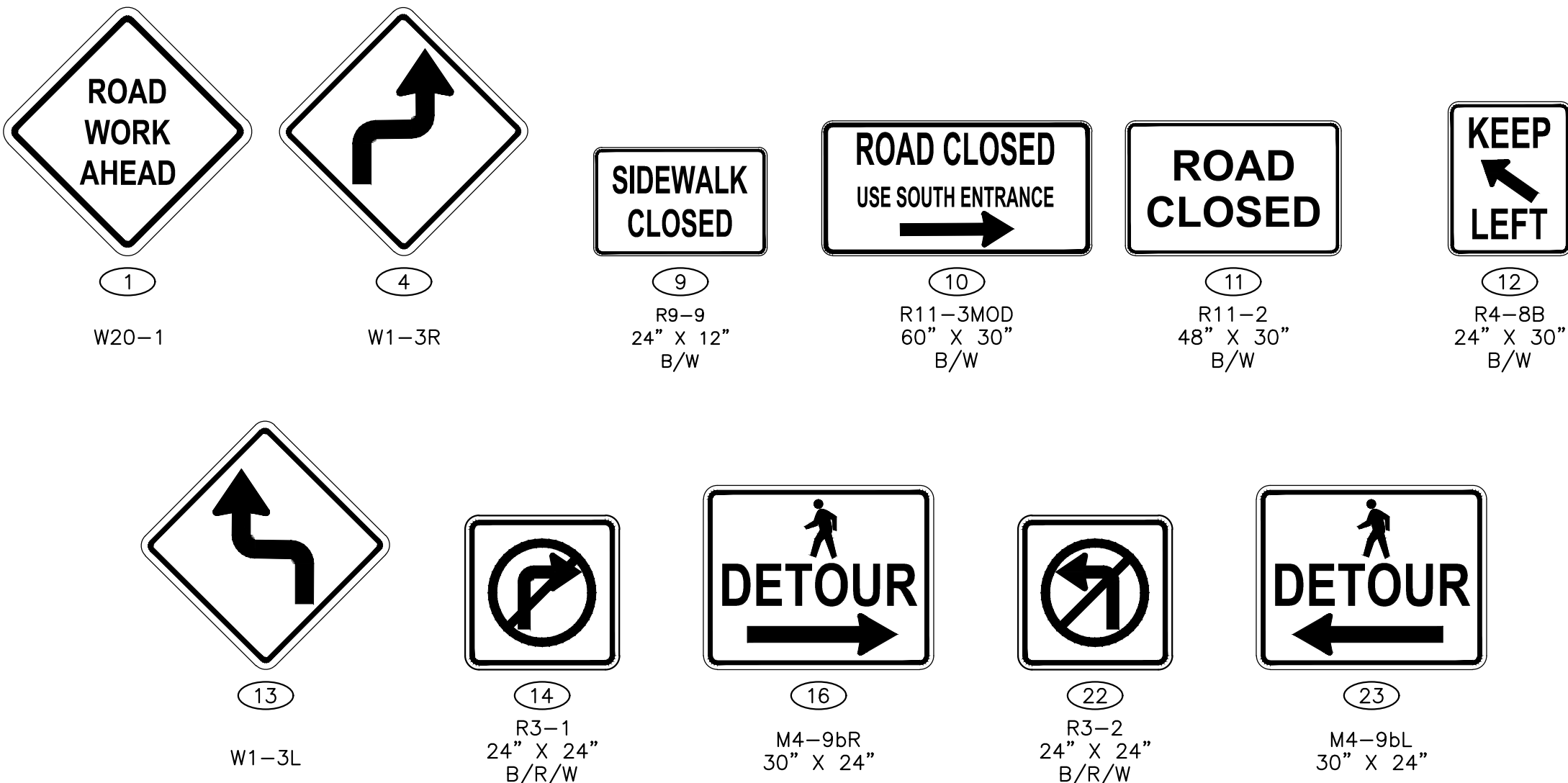
CONSTRUCTION NOTES

- MAINTAIN TEMPORARY PEDESTRIAN RAMP FROM PREVIOUS STAGE.
- MAINTAIN TEMPORARY CHANNELIZATION FROM PREVIOUS STAGE.
- MAINTAIN TEMPORARY SIGNING FROM PREVIOUS STAGE.
- MAINTAIN PEDESTRIAN ACCESS.
- MAINTAIN SIGN COVERING FROM PREVIOUS STAGE.
- MAINTAIN BARRICADE (AND SIGN IF PRESENT) FROM PREVIOUS STAGE.
- INSTALL SHORT DURATION TEMPORARY PAVEMENT MARKING PER WSDOT STD. PLAN K-70.20-01.
- REMOVE EXISTING TEMPORARY SIGN PANEL (11-3R) AND INSTALL NEW SIGN PANEL ONTO EXISTING TEMPORARY POST.
- INSTALL TYPE III BARRICADE(S) (WITH SIGN, IF NOTED).
- INSTALL TYPE II BARRICADE(S) (WITH SIGN, IF NOTED).

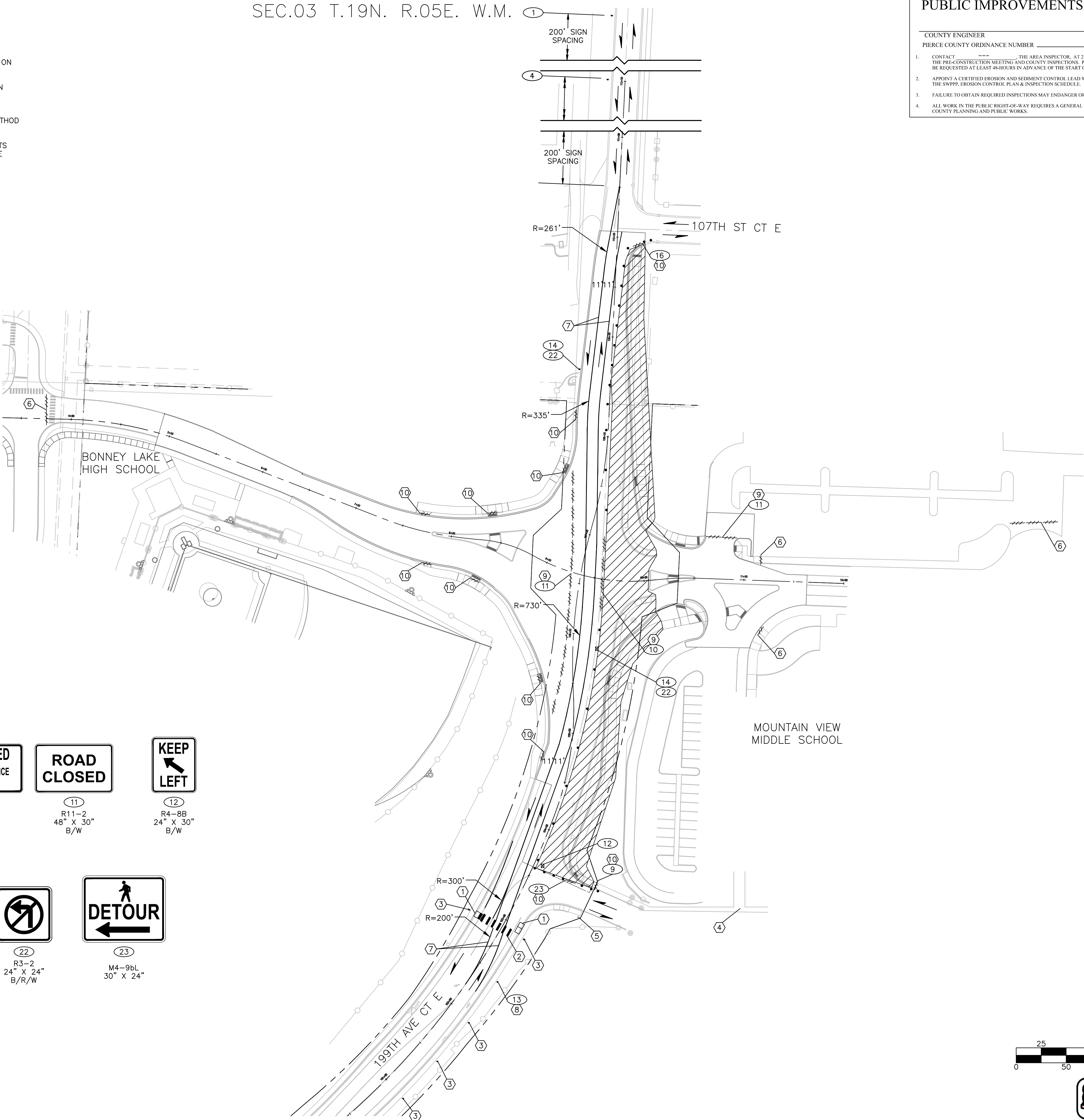
LEGEND

DESCRIPTION	SYMBOL
RIGHT-OF-WAY	---
CONSTRUCTION NOTE	#
SIGN NOTE	#
SHORT DURATION TEMPORARY PAVEMENT MARKING PER WSDOT STD. PLAN K-70.20-01	---
CHANNELIZATION DEVICE (HIGH VISIBILITY)	•
CLASS A SIGN PER WSDOT STD. PLAN K-80.10-02	▲
TEMPORARY SIGN (5 FT MIN. HEIGHT)	■
TYPE II BARRICADE	///
TYPE III BARRICADE	///
DIRECTION OF TRAVEL	→
WORK AREA	▨

SIGN LEGEND (THIS SHEET ONLY)



SEC.03 T.19N. R.05E. W.M.

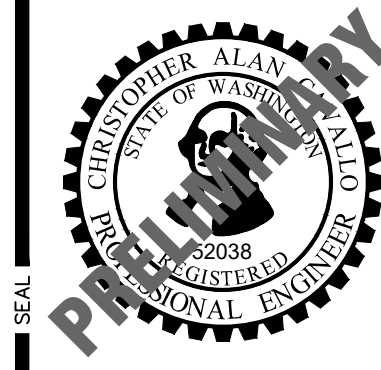


PUBLIC IMPROVEMENTS

COUNTY ENGINEER	PERMIT #
PIERCE COUNTY ORDINANCE NUMBER	DATE
1. CONTACT THE AREA INSPECTOR, AT 253-796, TO COORDINATE THE PRE-CONSTRUCTION MEETING AND COUNTY INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION.	
2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.	
3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.	
4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.	

REVISIONS

DESIGNED	ORDEN/DAB
DRAWN	CSJ/KOAB
CHECKED	CAC/DGN
DATE	01/14/2026
SCALE	AS NOTED



transpogroup
WHAT TRANSPORTATION CAN BE.
12131113TH AVENUE NE SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034

SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
TRAFFIC CONTROL PLAN
STAGE 2

TC.4
PROJECT NO.
20931

0 25 50 100 150

811 Call 811
two business days
before you dig

NOTES:

1. SEE SHEET TC.1 FOR GENERAL NOTES, TABLES, AND LEGEND.
2. IF PERMANENT ROUNDABOUT SIGNING COMPARABLE TO THE TEMPORARY SIGNING SHOWN ON THIS SHEET IS INSTALLED, THE TEMPORARY SIGNING SHOWN ON THIS SHEET MAY BE OMITTED AS APPROVED BY THE ENGINEER.
3. INTERSECTION MAY BE PERMITTED TO OPERATE AS A ROUNDABOUT WHEN OUTER CURB LINES HAVE BEEN ESTABLISHED. IF SPLITTER ISLANDS AND CENTRAL ISLAND ARE NOT COMPLETE, THEY SHALL BE DELINEATED WITH DEVICES AS SHOWN, PRIOR TO INTERSECTION OPERATING AS A ROUNDABOUT.
4. INTERSECTION SHALL NOT OPERATE AS A TWO-LANE ROUNDABOUT UNTIL FINAL CHANNELIZATION AND SIGNING HAS BEEN INSTALLED AND AS PERMITTED BY THE ENGINEER.

CONSTRUCTION NOTES

- ① UNCOVER EXISTING "BUSES ONLY" SIGN.
- ② INSTALL DEVICES AT NO MORE THAN 5FT SPACING. ADJUST DEVICES TO ACCOMMODATE TRAFFIC MANEUVERS AS NEEDED.
- ③ INSTALL SIGN FOR THE FIRST 14 DAYS OF ROUNDABOUT OPERATION. REMOVE SIGN AFTER 14 DAYS OF USE.

LEGEND

DESCRIPTION

RIGHT-OF-WAY

CONSTRUCTION NOTE

SIGN NOTE

CHANNELIZATION DEVICE (HIGH VISIBILITY)

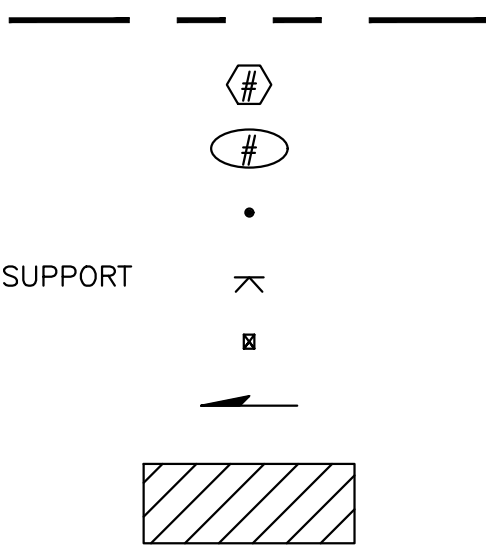
TEMPORARY SIGN ON PORTABLE CRASHWORTHY SUPPORT

TEMPORARY SIGN (5 FT MIN. HEIGHT)

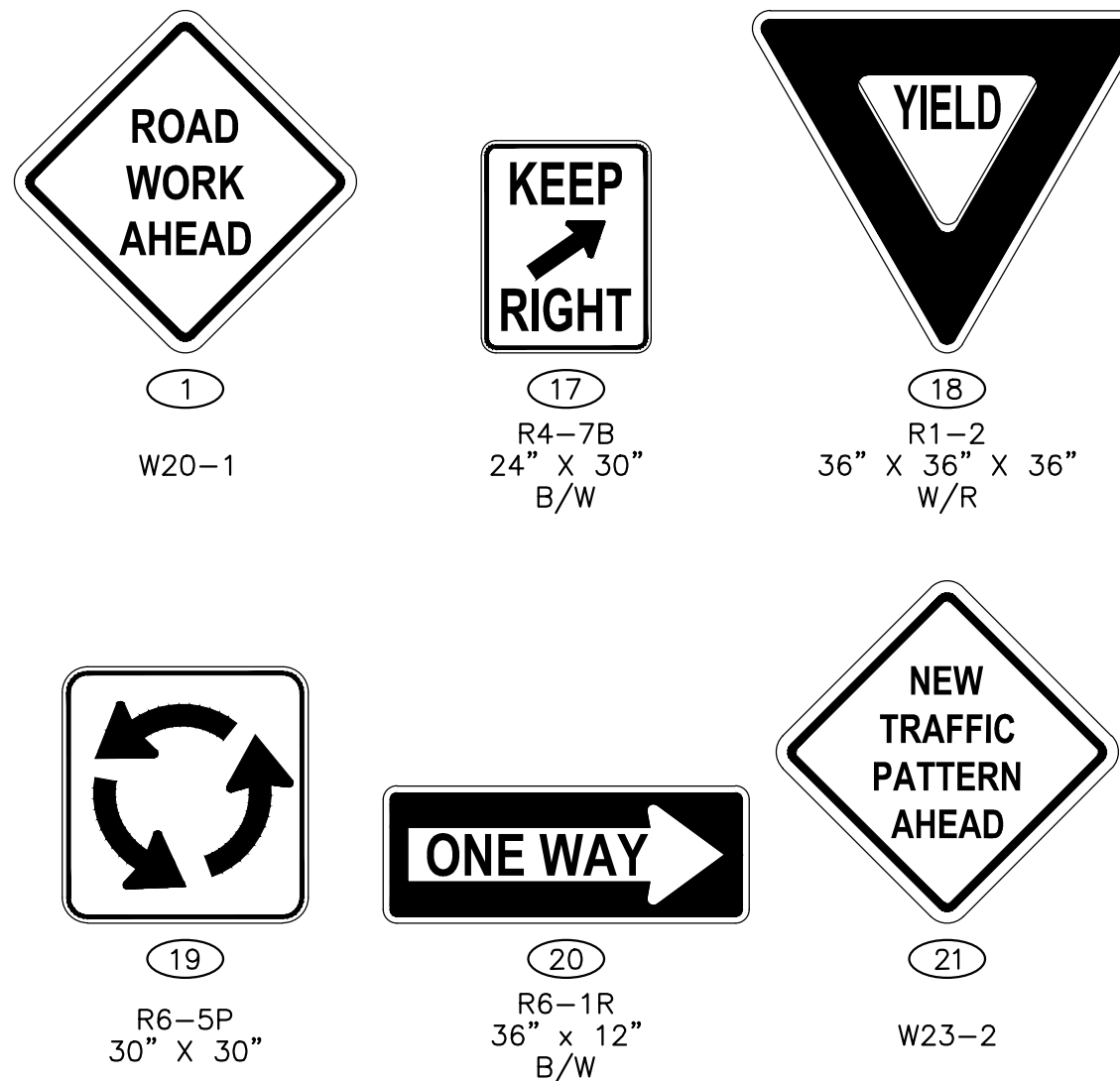
DIRECTION OF TRAVEL

WORK AREA

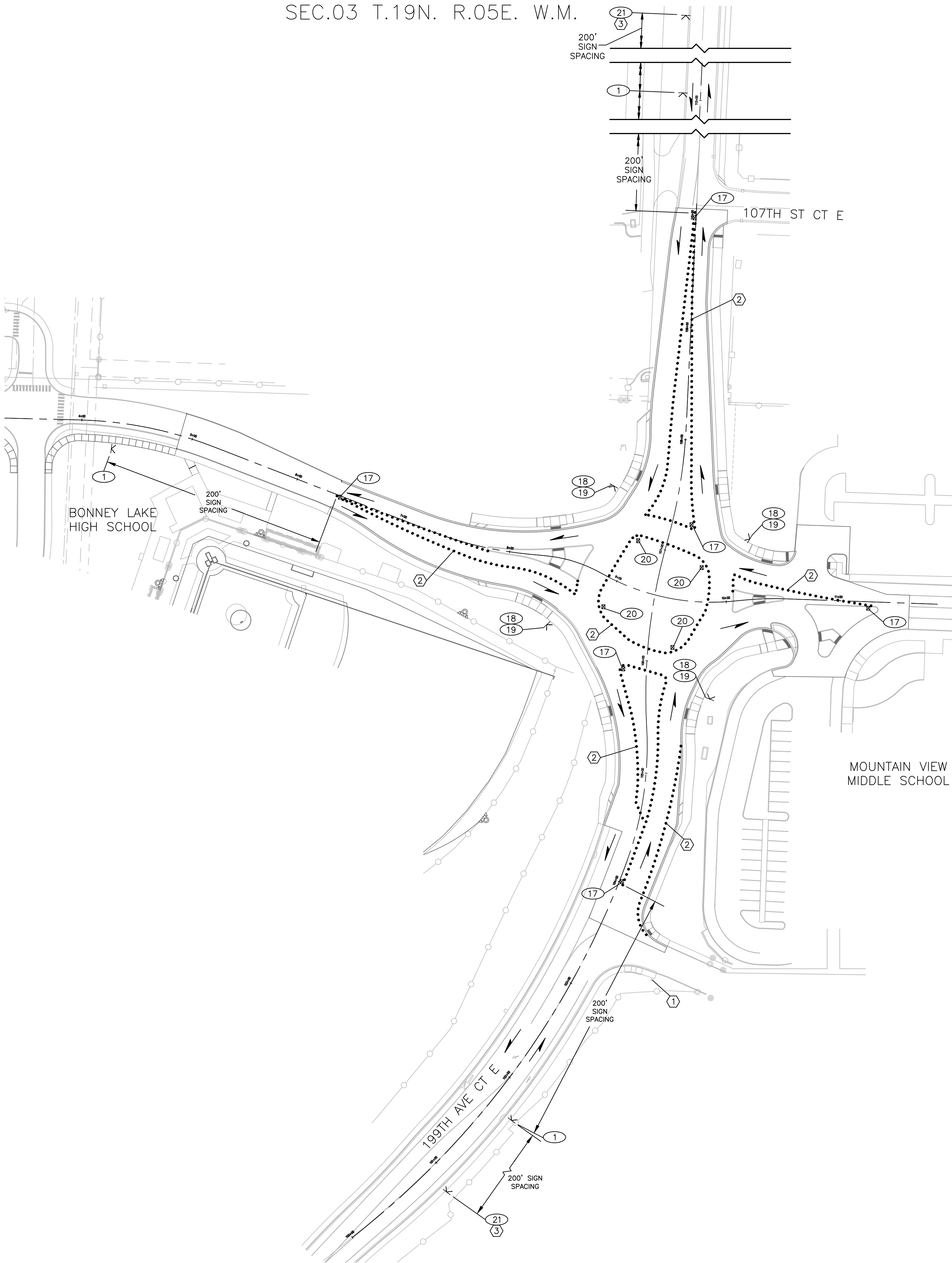
SYMBOL



SIGN LEGEND (THIS SHEET ONLY)



SEC.03 T.19N. R.05E. W.M.



PUBLIC IMPROVEMENTS

COUNTY ENGINEER	PERMIT #
PIERCE COUNTY ORDINANCE NUMBER	DATE
1. CONTACT THE AREA INSPECTOR, AT 253-796, TO COORDINATE THE PRE-CONSTRUCTION MEETING AND COUNTY INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION.	
2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.	
3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.	
4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.	

REVISIONS

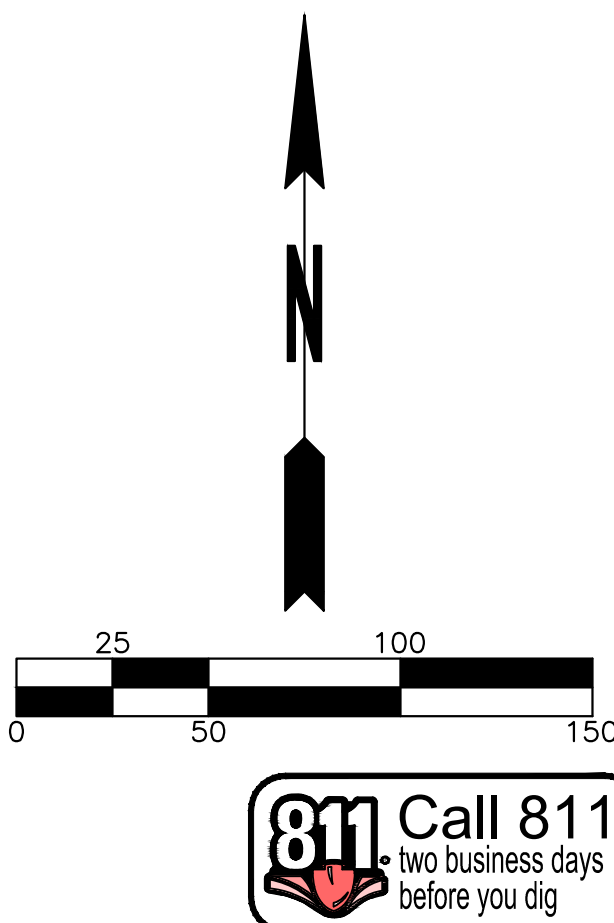
DESIGNED	ORDINANCE
DRAWN	CBS/LK/OAB
CHECKED	CAC/OGN
DATE	01/14/2026
SCALE	AS NOTED



SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE
TRAFFIC CONTROL PLAN
STAGE 3

TC.5
20931



NOTES:

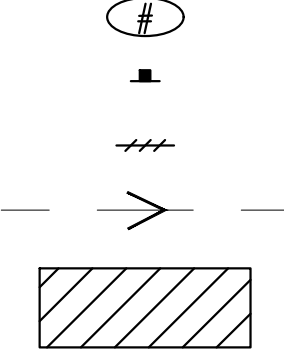
1. SEE SHEET TC.1 FOR GENERAL NOTES, TABLES, AND LEGEND.
2. SEE SHEET TC.3 FOR STAGE 1.5 TRAFFIC CONTROL PLAN. DETOUR ON THIS SHEET SHALL BE IMPLEMENTED CONCURRENTLY WITH THE TRAFFIC CONTROL SETUP SHOWN ON SHEET TC.3.

LEGEND

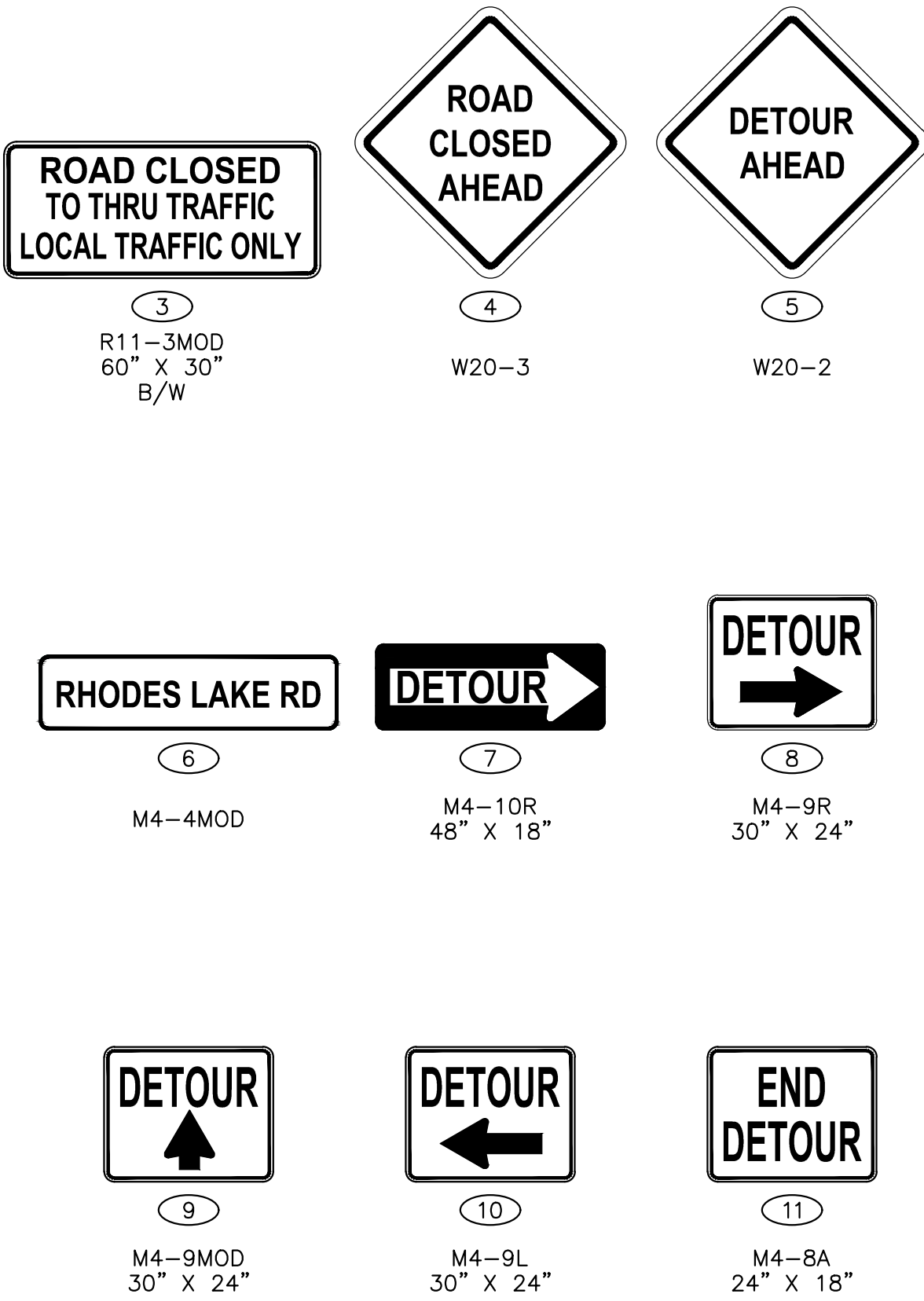
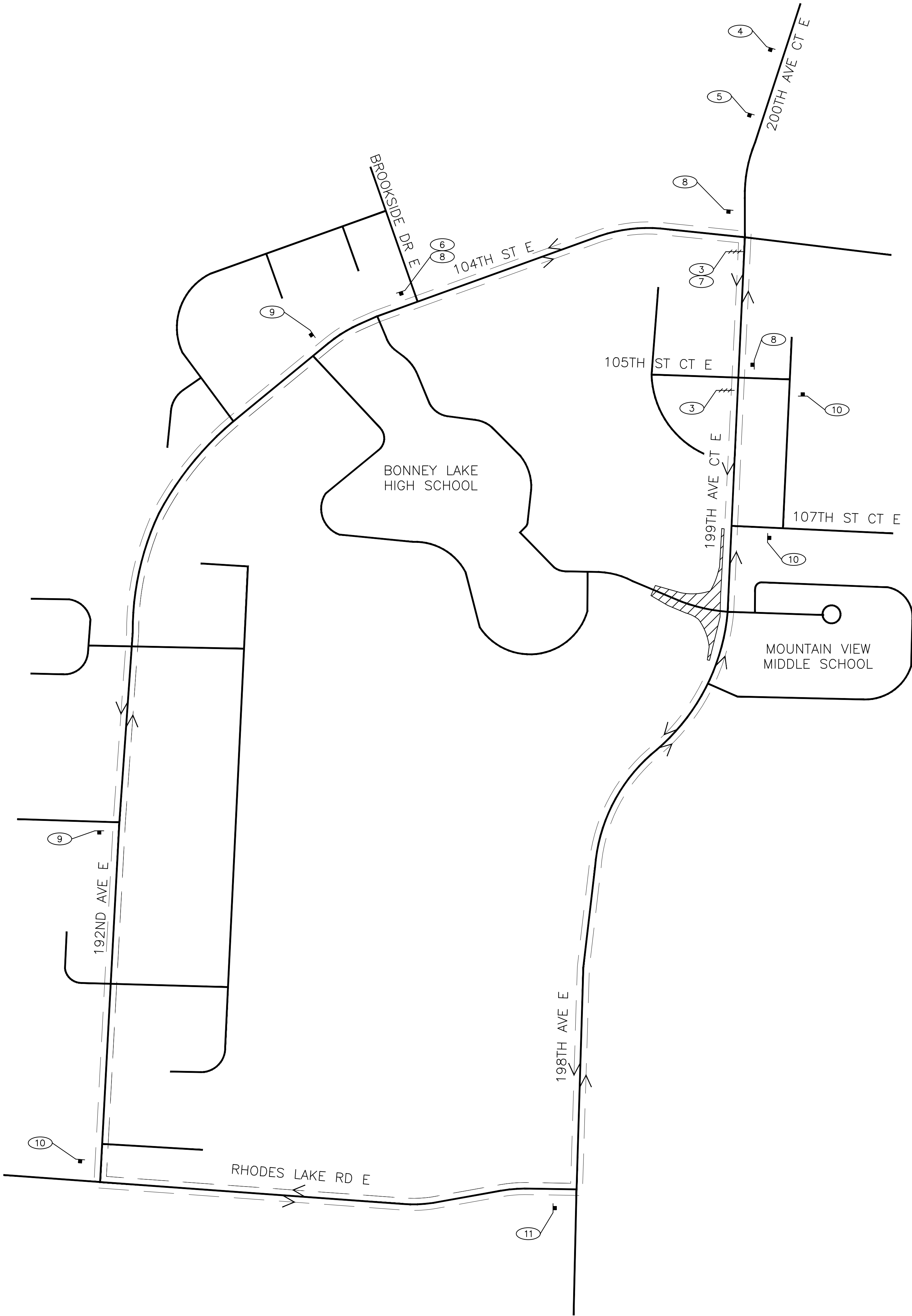
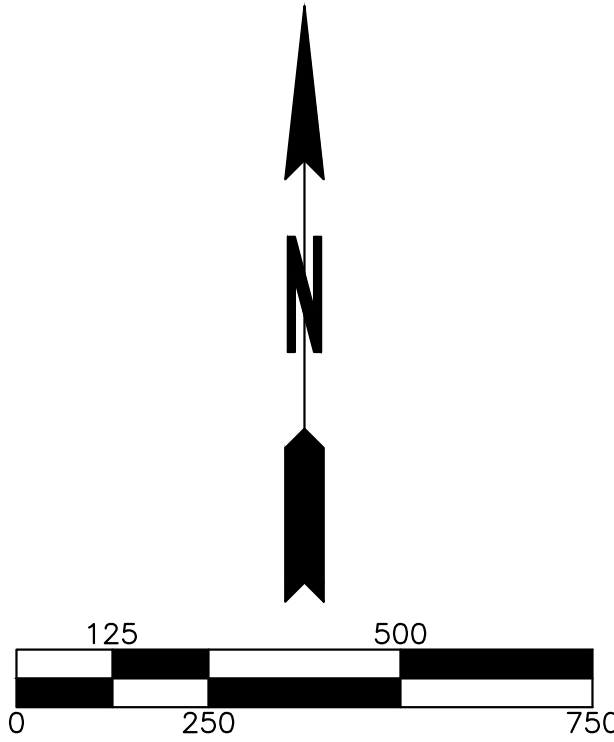
DESCRIPTION

SIGN NOTE
CLASS A SIGN PER WSDOT STD. PLAN K-80.10-02
TYPE III BARRICADE
DIRECTION OF TRAVEL
WORK AREA

SYMBOL



SIGN LEGEND (THIS SHEET ONLY)



PUBLIC IMPROVEMENTS

COUNTY ENGINEER _____ PERMIT # _____
PIERCE COUNTY ORDINANCE NUMBER _____ DATE _____

1. CONTACT _____ THE AREA INSPECTOR, AT 253-796- _____ TO COORDINATE THE PRE-CONSTRUCTION MEETING AND COUNTY INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION.

2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.

3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.

4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.

DESIGNED: _____ DRAWN: _____ CHECKED: _____ DATE: _____ SCALE: _____

APPROVALS: _____

SEAL: _____

PROJECT: SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
SHEET TITLE: TRAFFIC CONTROL PLAN
DETOUR PLAN - STAGE 1.5

PROJECT NO.: 20931

PREPARED BY: transpogroup
WHAT TRANSPORTATION CAN BE.
12131113TH AVENUE NE SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034

SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

NOTES:

- SEE SHEET TC.1 FOR GENERAL NOTES, TABLES, AND LEGEND.
- THE DETAILS ON THIS SHEET ARE INTENDED FOR SHORT-TERM USE ONLY, AND MAY BE IMPLEMENTED TO MODIFY THE LONGER TERM STAGING PLANS 1, 2, AND 3, AS NEEDED.

PUBLIC IMPROVEMENTS

PERMIT #	
DATE	
COUNTY ENGINEER	
PIERCE COUNTY ORDINANCE NUMBER	
1. CONTACT THE AREA INSPECTOR, AT 253-796, TO COORDINATE THE PRE-CONSTRUCTION MEETING AND COUNTY INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION.	
2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.	
3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.	
4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.	

REVISIONS

DESIGNED: CORDON/DAB
DRAWN: GRS/LK/KB
CHECKED: CAC/DGN
DATE: 01/12/2026
SCALE: AS NOTED



transpogroup
WHAT TRANSPORTATION CAN BE.
12131113TH AVENUE NE SUITE 203 (TEL) 425 822-3665
KIRKLAND, WASHINGTON 98034

PREPARED BY

SUMNER-BONNEY LAKE
SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL
DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
SHEET TITLE: TRAFFIC CONTROL PLAN
STANDARD DETAILS

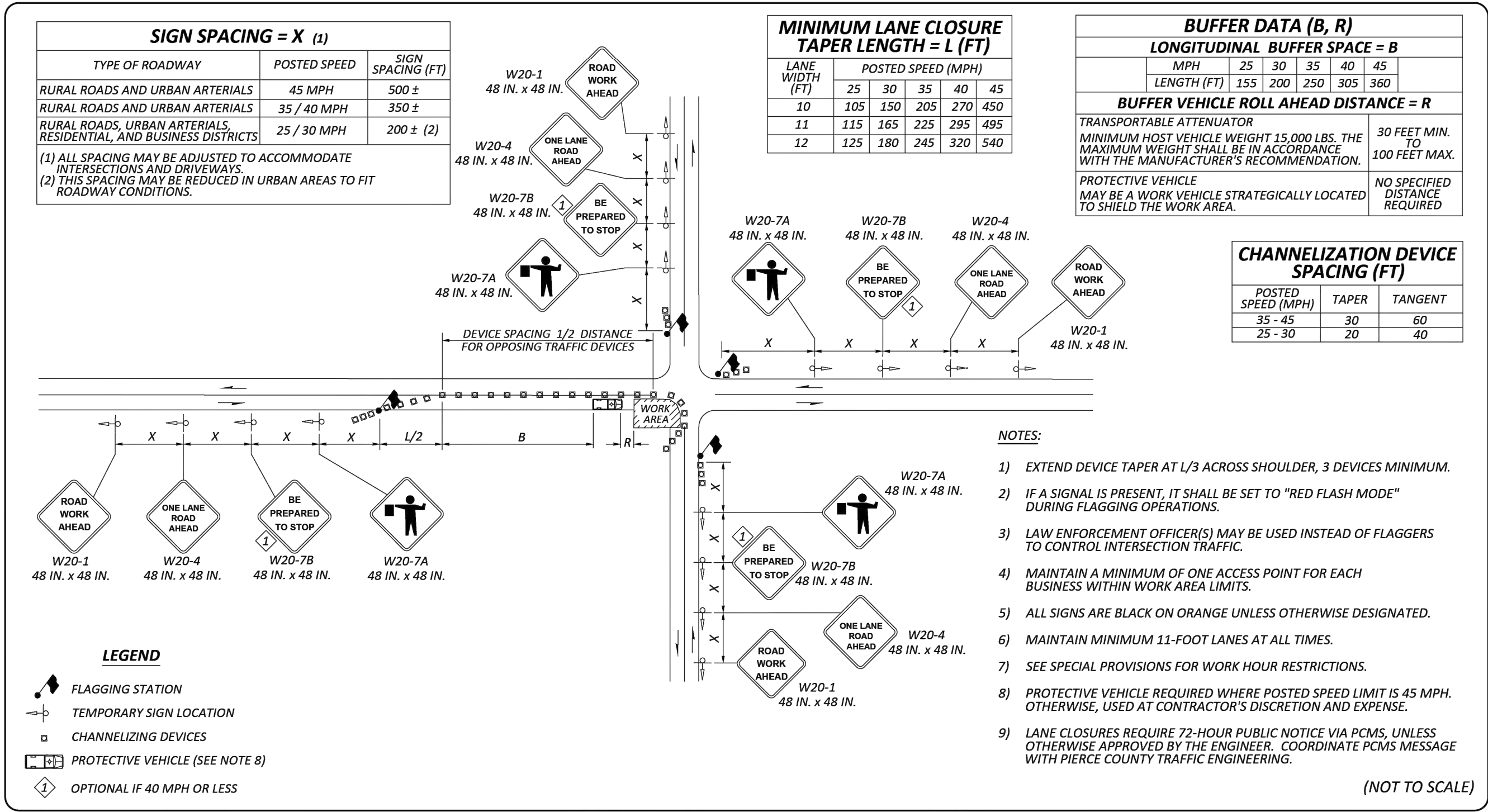
SHEET NO.

TC.7

PROJECT NO.

20931

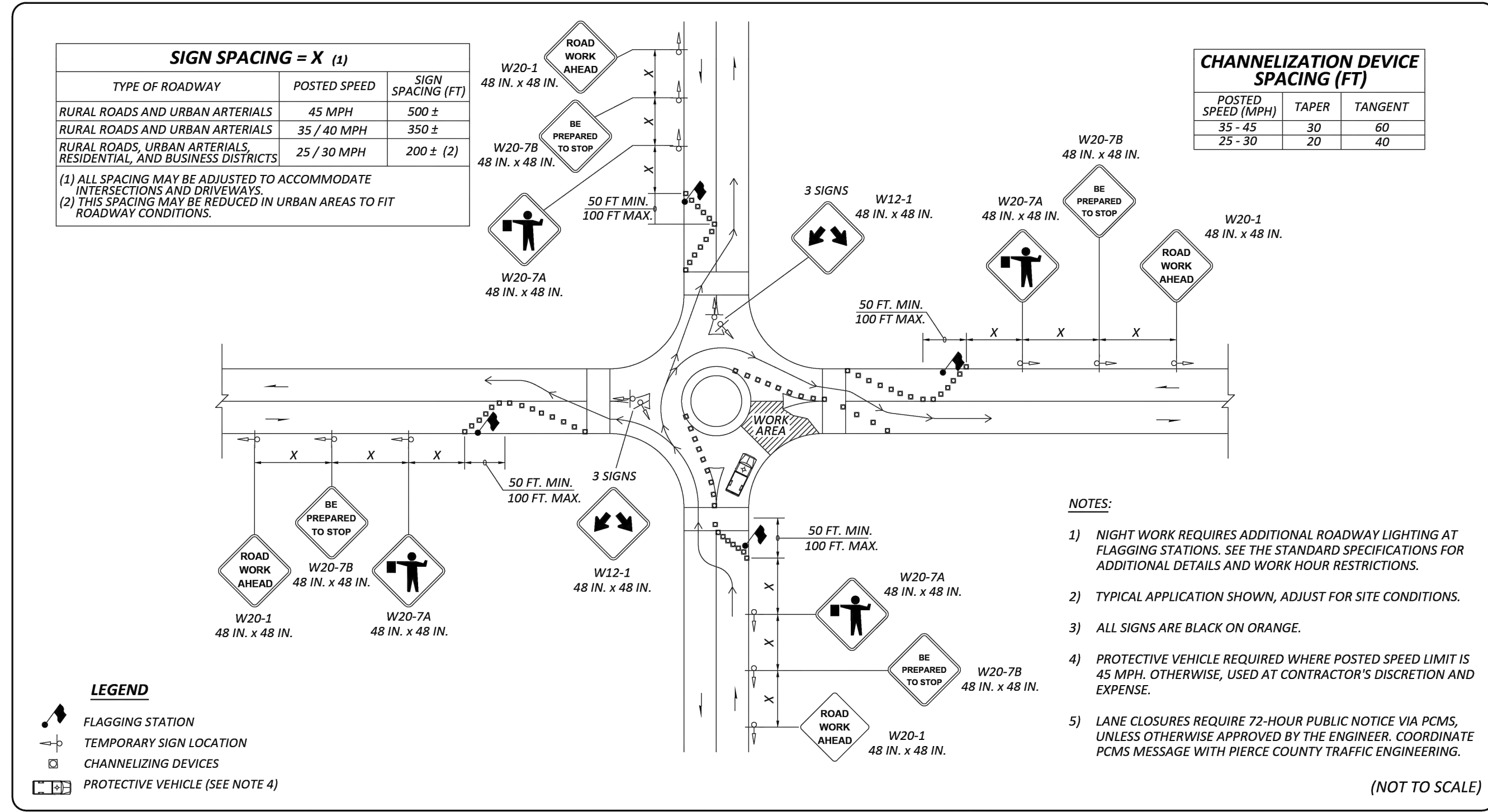
Call 811
two business days
before you dig



Pierce County
Office of the County Engineer

APPROVED BY:
COUNTY ENGINEER
DATE: 3/12/2025

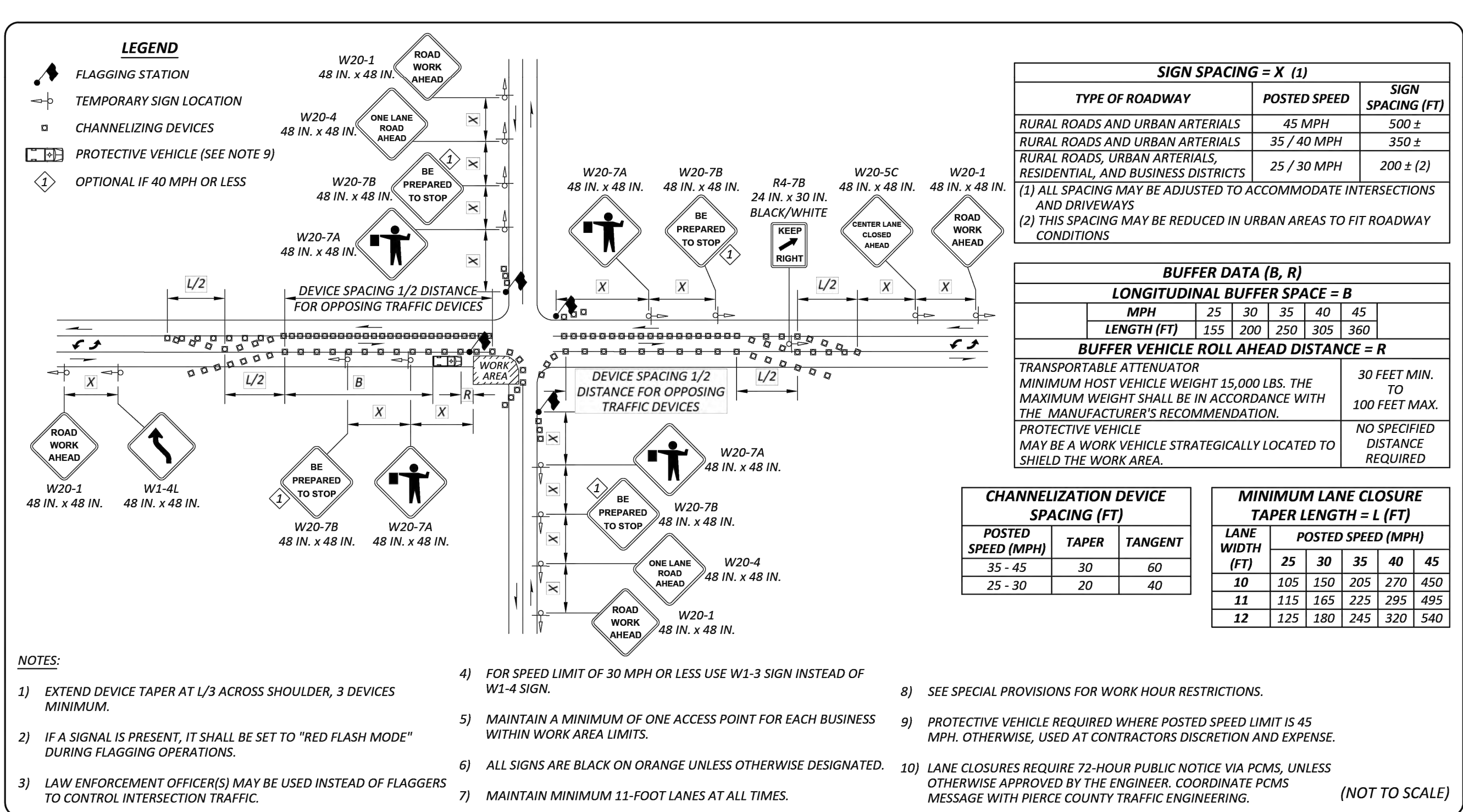
INTERSECTION LANE CLOSURE TWO-LANE ROADWAY
STANDARD DRAWING PC.K4.2



Pierce County
Office of the County Engineer

APPROVED BY:
COUNTY ENGINEER
DATE: 3/12/2025

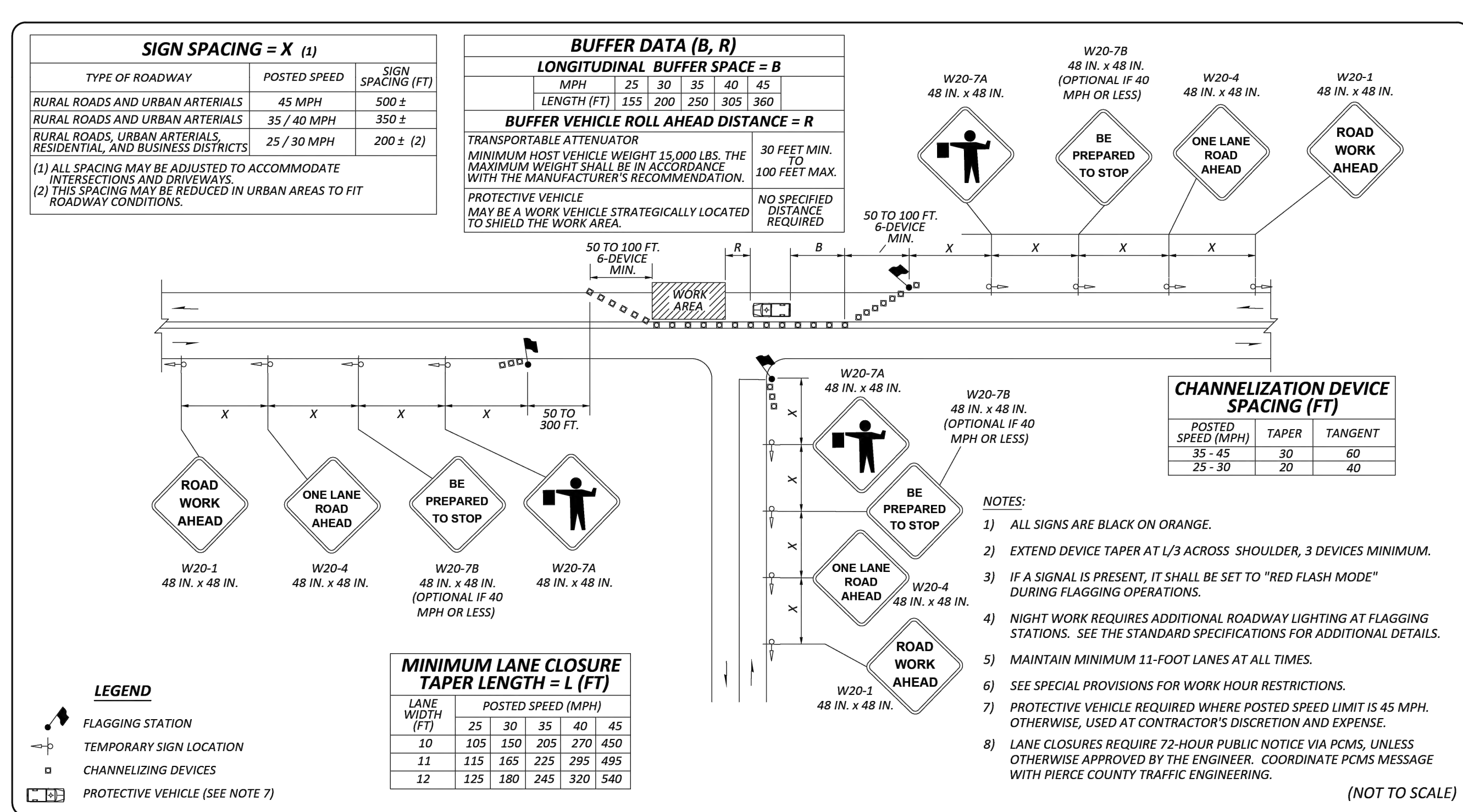
TYPICAL ROUNDABOUT FLAGGING OPERATION
STANDARD DRAWING PC.K5



Pierce County
Office of the County Engineer

APPROVED BY:
COUNTY ENGINEER
DATE: 3/12/2025

INTERSECTION LANE CLOSURE THREE-LANE ROADWAY
STANDARD DRAWING PC.K4.3



Pierce County
Office of the County Engineer

APPROVED BY:
COUNTY ENGINEER
DATE: 3/12/2025

ONE LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS
STANDARD DRAWING PC.K4.1

NOTE:

1. SEE SHEET TC.1 FOR GENERAL NOTES, TABLES, AND LEGEND.

PUBLIC IMPROVEMENTS

COUNTY ENGINEER	PERMIT #
PIERCE COUNTY ORDINANCE NUMBER	DATE
1. CONTACT THE AREA INSPECTOR, AT 253-796-1111, TO COORDINATE THE PRE-CONSTRUCTION MEETING AND COUNTY INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48 HOURS IN ADVANCE OF THE START OF CONSTRUCTION.	
2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.	
3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.	
4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.	

DESIGNED	ORDINANCE
DRAWN	CSS/LK/OAB
CHECKED	CAC/DGN
DATE	01/14/2026
SCALE	AS NOTED

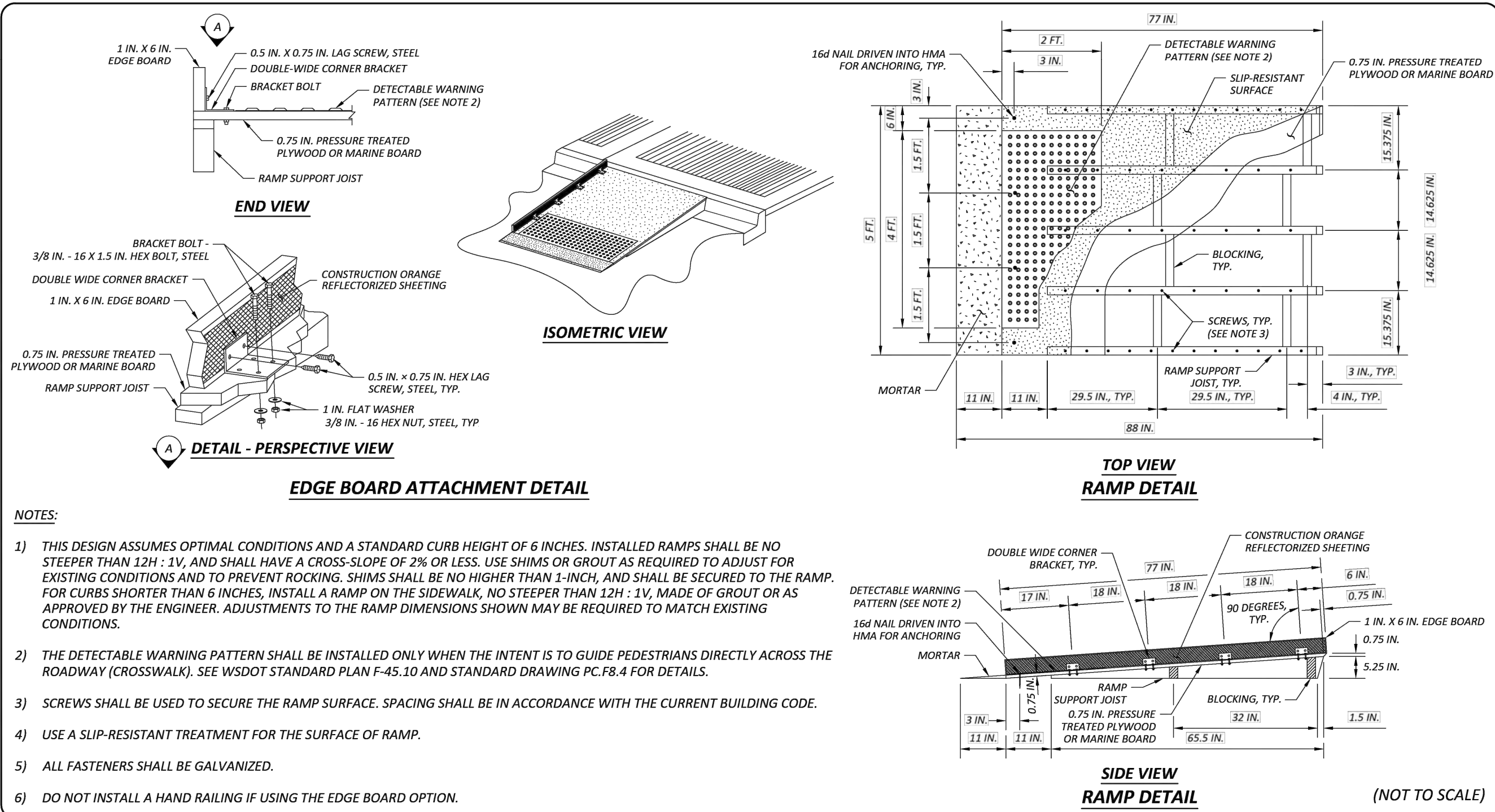


transpogroup
WHAT TRANSPORTATION CAN BE.
12131113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034

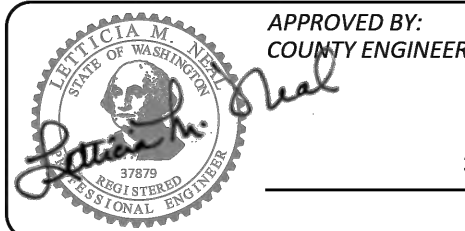
SUMNER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391
TRAFFIC CONTROL PLAN
STANDARD DETAILS

TC.8
PROJECT NO.
20931



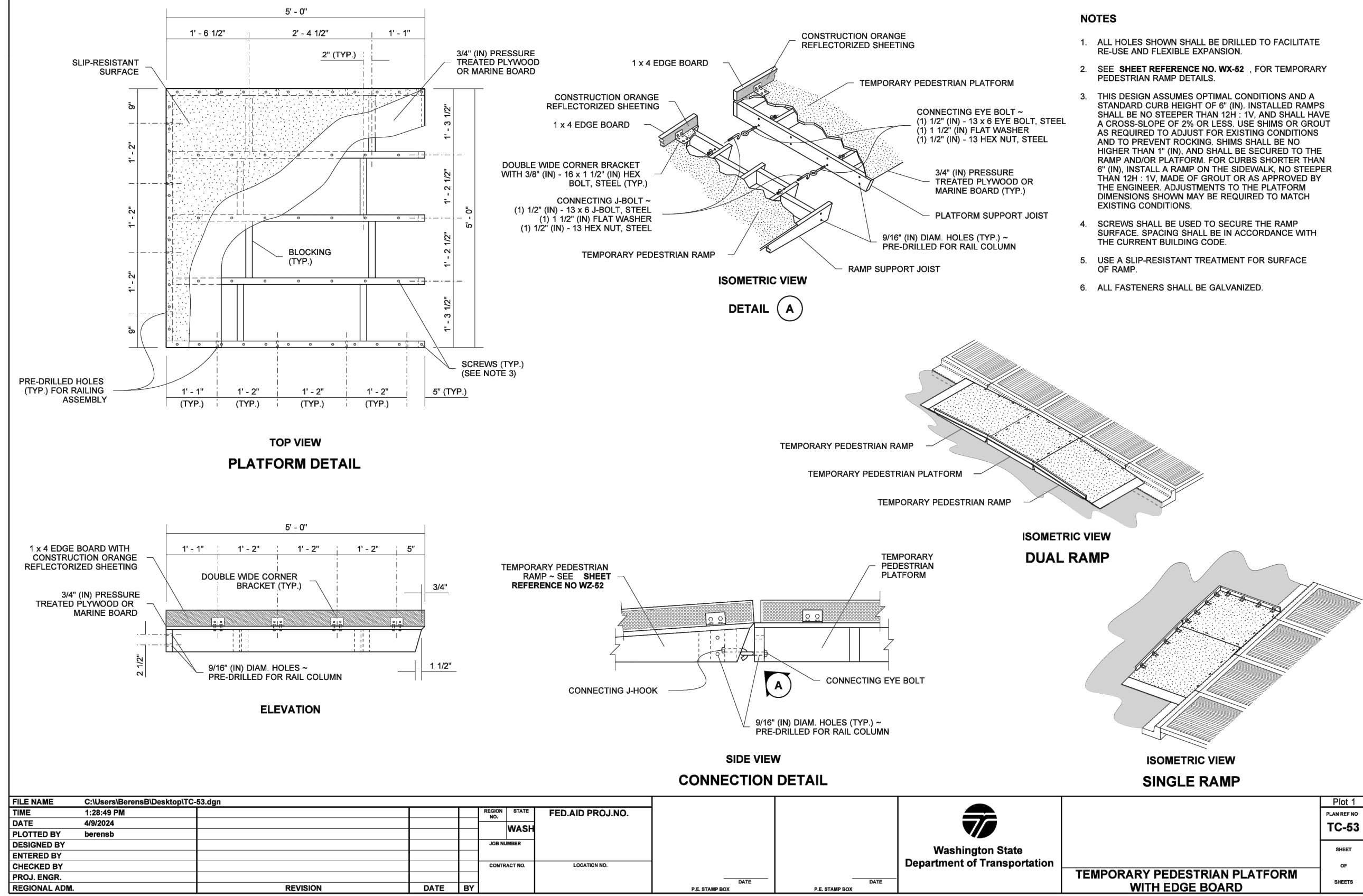
Pierce County
Office of the County Engineer



APPROVED BY:
COUNTY ENGINEER
3/12/2025
DATE

**TEMPORARY PEDESTRIAN RAMP
WITH EDGE BOARD**

STANDARD DRAWING PC.K1.3



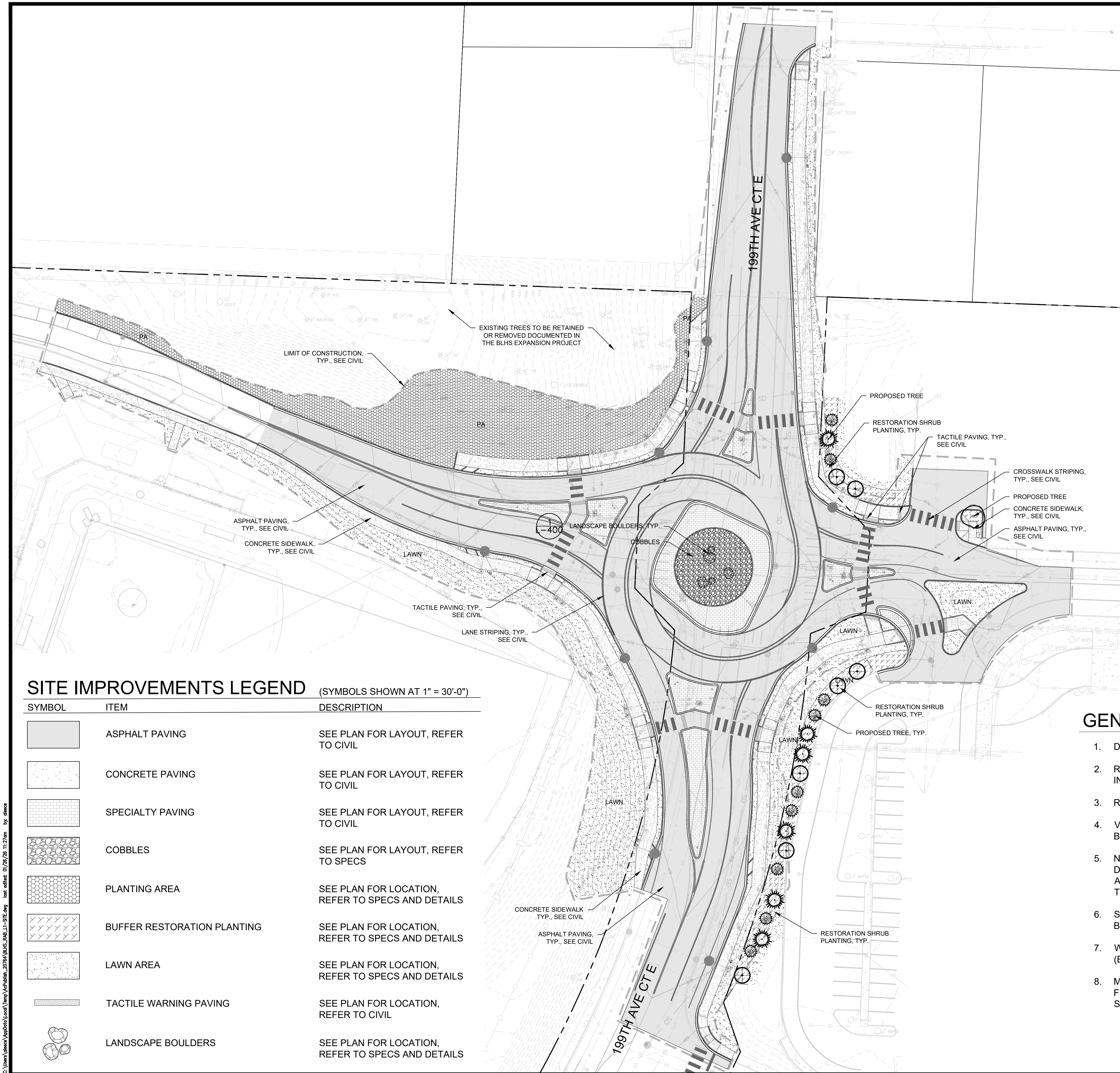
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DATE	4/20/24	JOB NUMBER			
DESIGNED BY	brennab	CONTRACT NO.		LOCATION NO.	
ENTERED BY		DATE		P.L. STAMP BOX	
CHECKED BY		DATE		P.L. STAMP BOX	
PROJ. ENGR.		DATE			
REGIONAL ADM.		DATE			



**TEMPORARY PEDESTRIAN PLATFORM
WITH EDGE BOARD**

Plot 1
PLAN REF. NO.
TC-83
SHEET
NO.

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SITE IMPROVEMENTS LEGEND

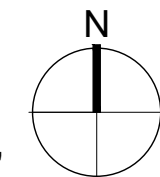
(SYMBOLS SHOWN AT 1" = 30'-0")

SYMBOL	ITEM	DESCRIPTION
	ASPHALT PAVING	SEE PLAN FOR LAYOUT, REFER TO CIVIL
	CONCRETE PAVING	SEE PLAN FOR LAYOUT, REFER TO CIVIL
	SPECIALTY PAVING	SEE PLAN FOR LAYOUT, REFER TO CIVIL
	COBBLES	SEE PLAN FOR LAYOUT, REFER TO SPECS
	PLANTING AREA	SEE PLAN FOR LOCATION, REFER TO SPECS AND DETAILS
	BUFFER RESTORATION PLANTING	SEE PLAN FOR LOCATION, REFER TO SPECS AND DETAILS
	LAWN AREA	SEE PLAN FOR LOCATION, REFER TO SPECS AND DETAILS
	TACTILE WARNING PAVING	SEE PLAN FOR LOCATION, REFER TO CIVIL
	LANDSCAPE BOULDERS	SEE PLAN FOR LOCATION, REFER TO SPECS AND DETAILS

GENERAL NOTES

- DO NOT SCALE DRAWINGS.
- REFER TO CIVIL DRAWINGS FOR GRADING, UTILITY AND ADDITIONAL LAYOUT INFORMATION.
- REFER TO ARCHITECTURAL FOR BUILDING GRID LAYOUT INFORMATION.
- VERIFY LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES BEFORE BEGINNING WORK.
- NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND IN PLANS OR DEVIATIONS FROM DOCUMENTED ON-SITE CONDITIONS. FAILURE TO NOTIFY THE ARCHITECT IN A TIMELY MANNER AS SPECIFIED SHALL RESULT IN CONTRACTOR TAKING RESPONSIBILITY FOR ANY AND ALL REMEDIAL MEASURES REQUIRED.
- STRING DIMENSIONS OF SITE IMPROVEMENTS ARE FROM GRIDLINES, FACE OF BUILDING WALL, BACK OF CURB OR COORDINATE POINT AS SHOWN ON PLAN.
- WHERE DIMENSIONS ARE IN FEET ONLY, CONTRACTOR IS TO ASSUME THEY ARE 0' (E.G. 12' = 12'-0").
- MARK OR STAKE LOCATIONS OF FENCING, SITE WALLS, RAMPS, WALKS, SITE FURNITURE, ATHLETIC EQUIPMENT, ETC. FOR APPROVAL BY ARCHITECT, PER SPECIFICATIONS, PRIOR TO INSTALLATION.

SCALE: 1"=30'-0"



PUBLIC IMPROVEMENTS

COUNTY ENGINEER

PIERCE COUNTY ORDINANCE NUMBER

PERMIT #

DATE

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Fora Landscape Architects
1630 NE 65th Street
Seattle, WA 98115
206-322-1722 or fora.land

fora

SUMNER-BONNEY LAKE
SCHOOL DISTRICT

19701-104TH STREET EAST
BONNEY LAKE, WA 98391

(253) 6305

SUMNER-BONNEY LAKE SCHOOL
DISTRICT - NEW ROUNDABOUT

SHEET TITLE

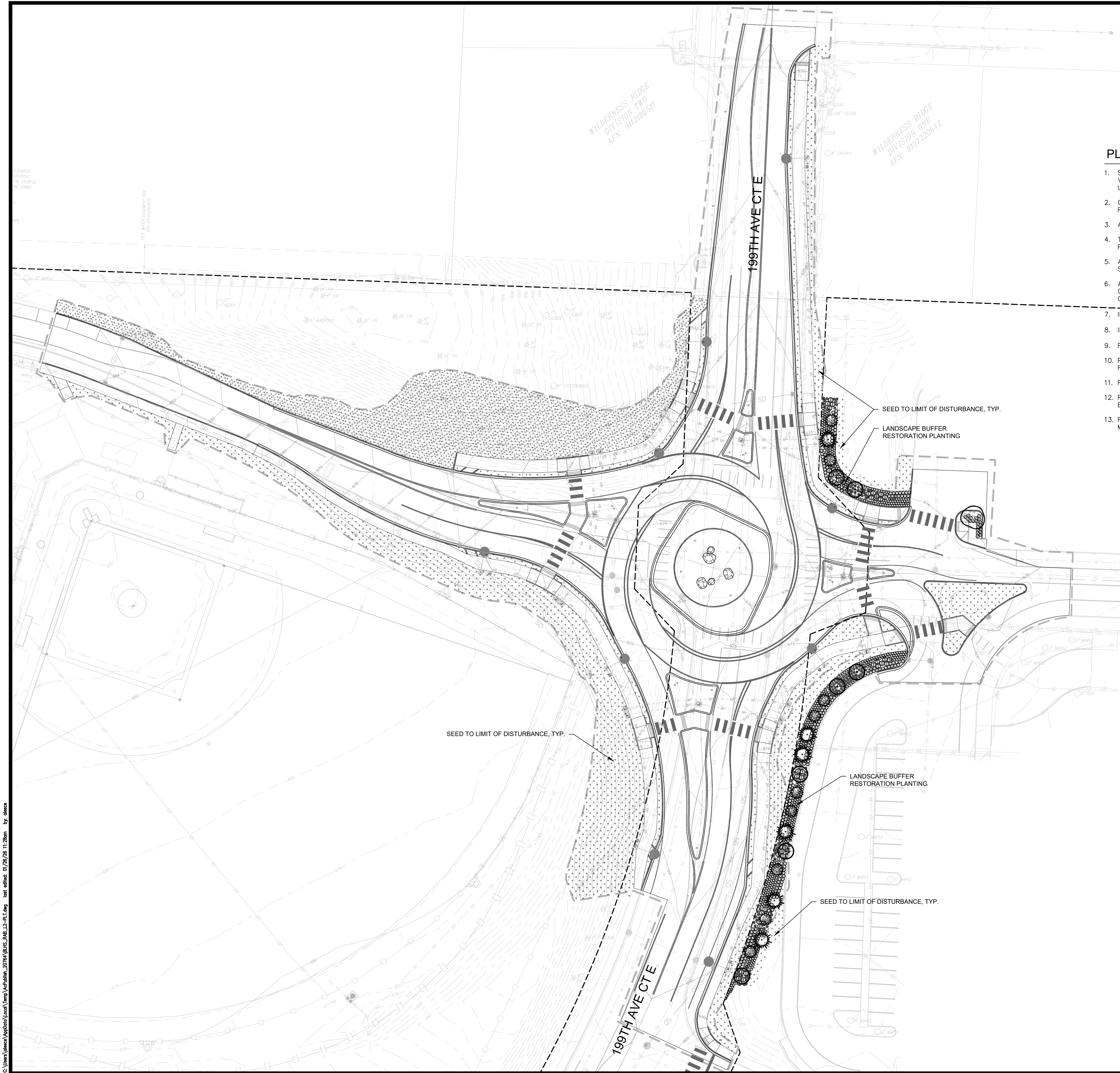
LANDSCAPE PLAN

L-100

PROJECT NO.

20931

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PUBLIC IMPROVEMENTS

COUNTY ENGINEER
PIERCE COUNTY ORDINANCE NUMBER

PERMIT #
DATE

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- PLANTING NOTES
1. SUBMIT COLOR PHOTOS REPRESENTATIVE OF PROPOSED NURSERY STOCK FOR EACH PLANT SPECIES AND VARIETY LISTED IN LANDSCAPE SCHEDULE. FINAL APPROVAL OF PLANT MATERIAL WILL NOT BE PROVIDED UNTIL DELIVERY AND REVIEW ON SITE.

2. CONTAINERIZED TREES ARE STRONGLY DISCOURAGED. TREES WITH LARGE CIRCLING ROOTS OR TOO DEEP ROOT SYSTEMS WILL BE REJECTED.

3. ALL ROOT PACKAGES MUST BE FREE OF ANY WEEDS.

4. TREE STAKING REQUIREMENTS WILL BE DETERMINED BY LANDSCAPE ARCHITECT AT THE TIME OF PLANTING. PROPERLY PROPORTIONED AND PLANTED TREES WITH HEALTHY ROOT PACKAGES MAY NOT REQUIRE STAKING.

5. ALL TREE STAKES MUST BE REMOVED BY THE CONTRACTOR BY THE END OF THE FIRST FULL GROWING SEASON.

6. AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, PRUNING MAY BE REQUIRED TO REMOVE DAMAGED, CROSSING, MISSHAPEN OR LOW BRANCHING LIMBS. TREES SHOULD NOT REQUIRE SIGNIFICANT PRUNING TO CORRECT HEALTH OR AESTHETIC DEFICIENCIES.

7. INSTALL 3" DEPTH SPECIFIED MULCH IN ALL LANDSCAPE AREAS.

8. INSTALL 8" DEPTH SPECIFIED TOPSOIL IN ALL LANDSCAPE AREAS.

9. PROVIDE A 4' DIAMETER MULCH CIRCLE AROUND ALL TREES PLANTED IN LAWN AREAS.

10. REFER TO CIVIL DEMOLITION DRAWINGS AND SPECIFICATIONS FOR REMOVAL REQUIREMENTS AND PROTECTION FENCING AROUND EXISTING VEGETATION.

11. REFER TO TREE PRESERVATION PLANS FOR SCHEDULE OF EXISTING TREES TO BE SAVED OR REMOVED.

12. REFER TO CIVIL PLANS FOR NEW UTILITY WORK. CONTRACTOR RESPONSIBLE FOR PATCH AND REPAIR OF ALL EXISTING LANDSCAPE AREAS DISTURBED BY CONSTRUCTION WORK UNDER THIS CONTRACT.

13. REFER TO PLANTING AND SEEDING SPECIFICATION FOR ADDITIONAL REQUIREMENTS, INCLUDING EXTENDED MAINTENANCE REQUIREMENTS.



PROJECT
SUMMER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391

PREPARED FOR
SUMMER-BONNEY LAKE SCHOOL DISTRICT
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

PREPARED BY
fora
Fera Landscape Architects
1630 NE 65th Street
FALLS CHURCH, VA 22045
703-325-3222 or fera.land

APPROVALS
DESIGNED AR
DRAWN KC AM
CHECKED AR
DATE 01/26/2026
SCALE 1" = 30'

SEAL
STATE OF WASHINGTON
LANDSCAPE ARCHITECT
No. 10000
EXPIRATION DATE 12/31/2026
fora

REVISIONS

SHEET NO.
L-200

PROJECT NO.
20931

PLANTING PLAN

PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	CONDITION / REMARKS
DECIDUOUS TREES				
	7	ACER RUBRUM 'BOWHALL' BOWHALL MAPLE	MIN. 2" CAL., 10'-12' MIN. HT.	MATCHED, B&B., WELL BRANCHED ABOVE 6' HT.
	1	CARPINUS BETULUS 'FASTIGIATA' PYRAMIDAL EUROPEAN HORNBEAM	MIN. 2" CAL., 12'-14' MIN. HT.	MATCHED, B&B., WELL BRANCHED ABOVE 6' HT.
EVERGREEN TREES				
	6	CEDRUS DEODARA 'KARL FUCHS' KARL FUCHS DEODAR CEDAR	2" CAL. MIN., 10-12' HT., MATCHED, B&B OR CONT.	
	9	THUJA PLICATA 'HOGAN' HOGAN CEDAR	MIN. 8'-10' HT.	FULL AND BUSHY TO BASE, B&B OR CONT.
SHRUBS				
	222	CORNUS STOLONIFERA 'KELSEY' KELSEY DOGWOOD	MIN. 12"-15" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	624	MAHONIA REPENS CREEPING MAHONIA	MIN. 1 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	143	POLYSTICHUM MUNITUM WESTERN SWORD FERN	MIN. 2 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	20	PRUNUS LAUROCERASUS 'OTTO LUYKEN' LUYKEN LAUREL	MIN. 18"-24" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	49	VIBURNUM DAVIDII DAVID VIBURNUM	MIN. 18"-24" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
GROUND COVERS				
	10,190 SF	SHRUB MIX		
	941	LONICERA PILEATA PRIVET HONEYSUCKLE	MIN. 18"-24" HT./SPD. & MIN. 2 GAL. CONTAINER	18" O.C. TRIANG. SPAC., START FIRST ROW 10" FROM EDGE
	1,412	MAHONIA AQUIFOLIUM 'COMPACTA' COMPACT OREGON GRAPE	MIN. 18"-24" HT./SPD. & MIN. 2 GAL. CONTAINER	18" O.C. TRIANG. SPAC., START FIRST ROW 10" FROM EDGE
	706	ROSA RUGOSA 'PURPLE PAVEMENT' PURPLE PAVEMENT ROSE	MIN. 18"-24" HT./SPD. & MIN. 2 GAL. CONTAINER	18" O.C. TRIANG. SPAC., START FIRST ROW 10" FROM EDGE
	706	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	MIN. 18"-24" HT./SPD. & MIN. 2 GAL. CONTAINER	18" O.C. TRIANG. SPAC., START FIRST ROW 10" FROM EDGE
	941	VIBURNUM DAVIDII DAVID VIBURNUM	MIN. 18"-24" HT./SPD. & MIN. 2 GAL. CONTAINER	18" O.C. TRIANG. SPAC., START FIRST ROW 10" FROM EDGE
GROUND COVER AREAS				
	43	ARCTOSTAPHYLOS UVA-URSI KINNICKINICK	MIN. 1 GAL. CONTAINER	12" O.C. TRIANG. SPAC., START FIRST ROW 8" FROM EDGE, FULL & BUSHY
LAWN				
	18,428 SF	LAWN		SEE SPECIFICATION

4 DECIDUOUS TREE PLANTING

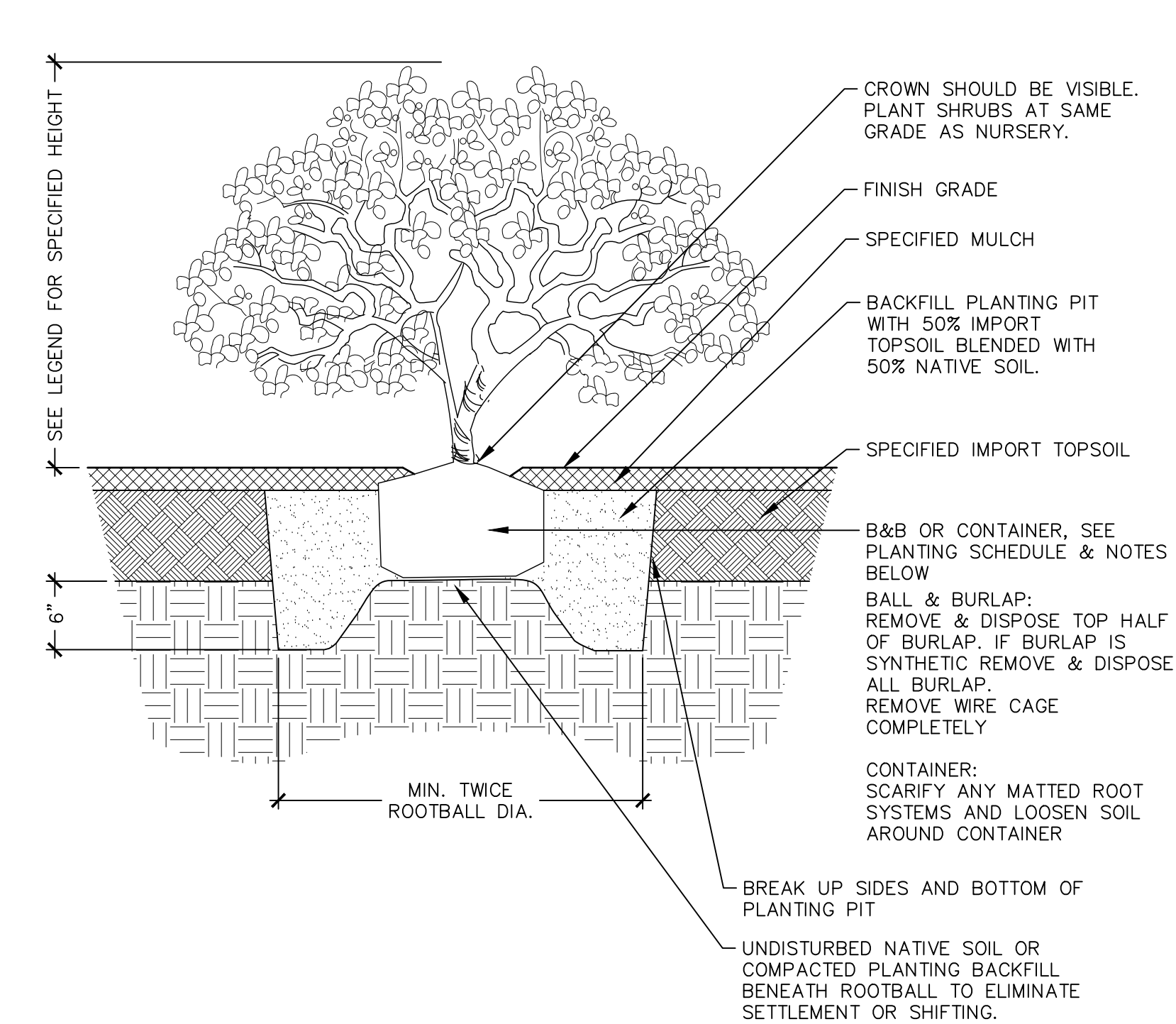
3/8" = 1'-0"

P-BL1-02

5 CONIFEROUS TREE PLANTING

3/8" = 1'-0"

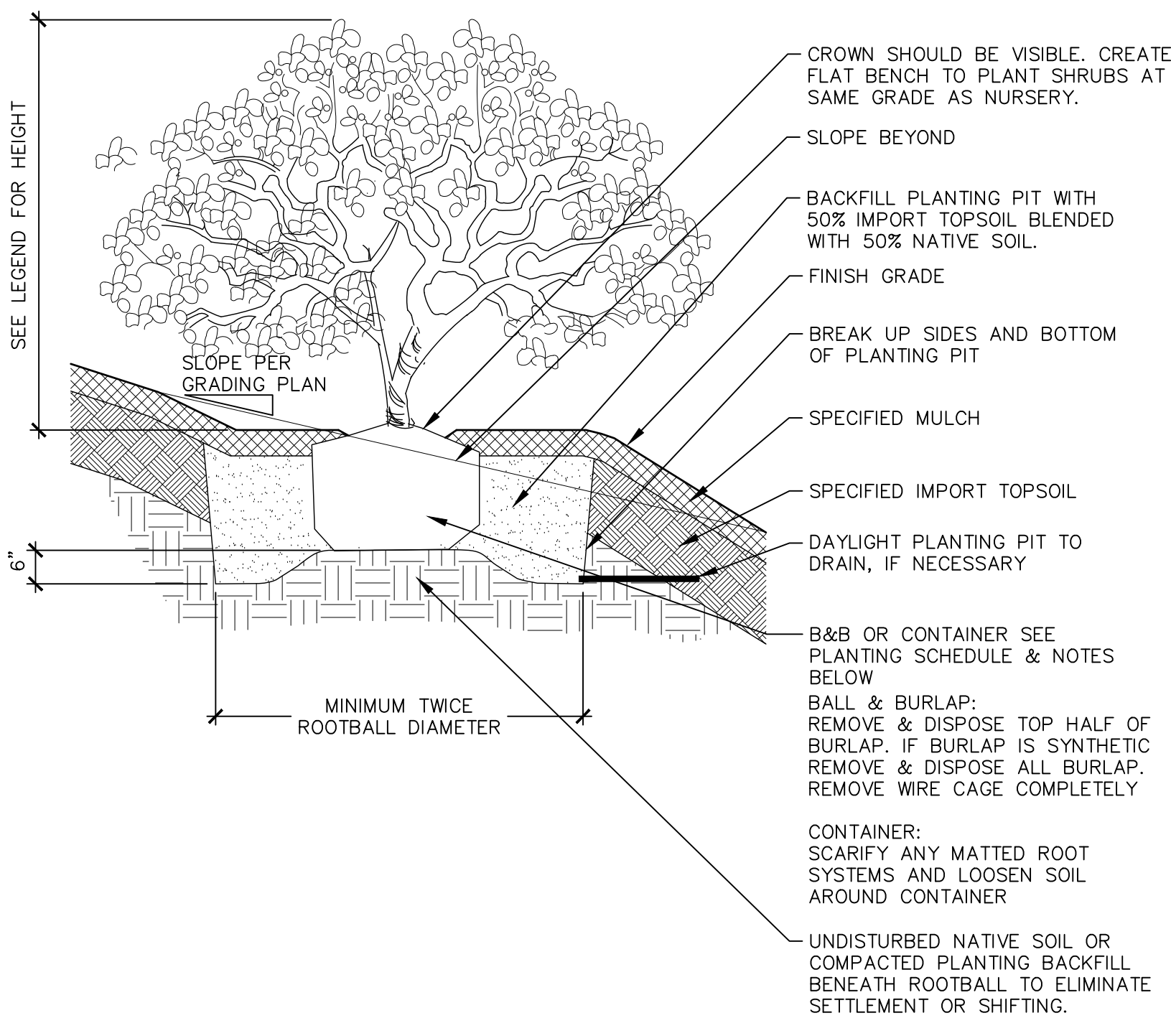
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1 SHRUB PLANTING

1" = 1'-0"

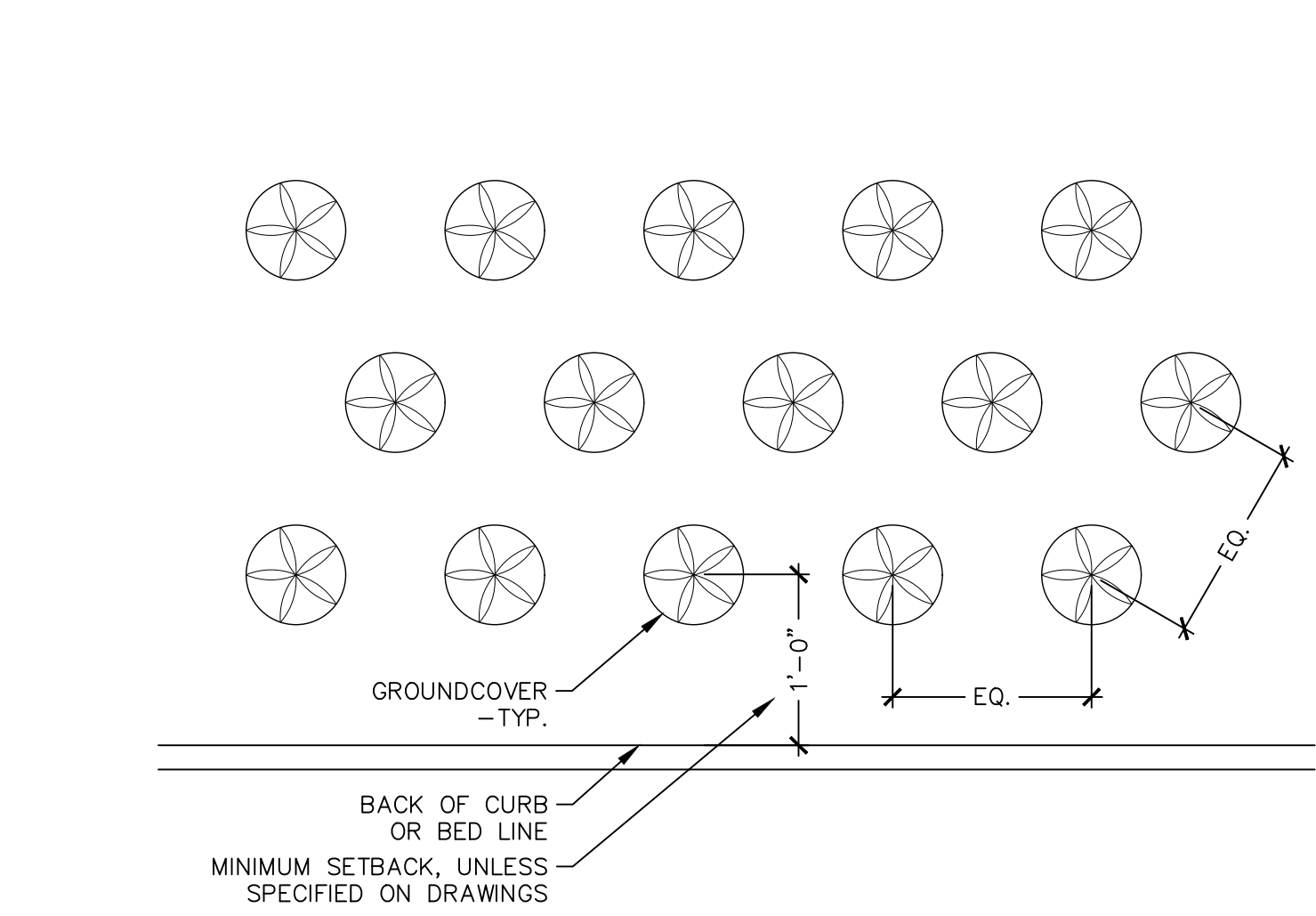
P-BL1-07



2 SHRUB PLANTING ON SLOPE

1" = 1'-0"

P-BL1-06



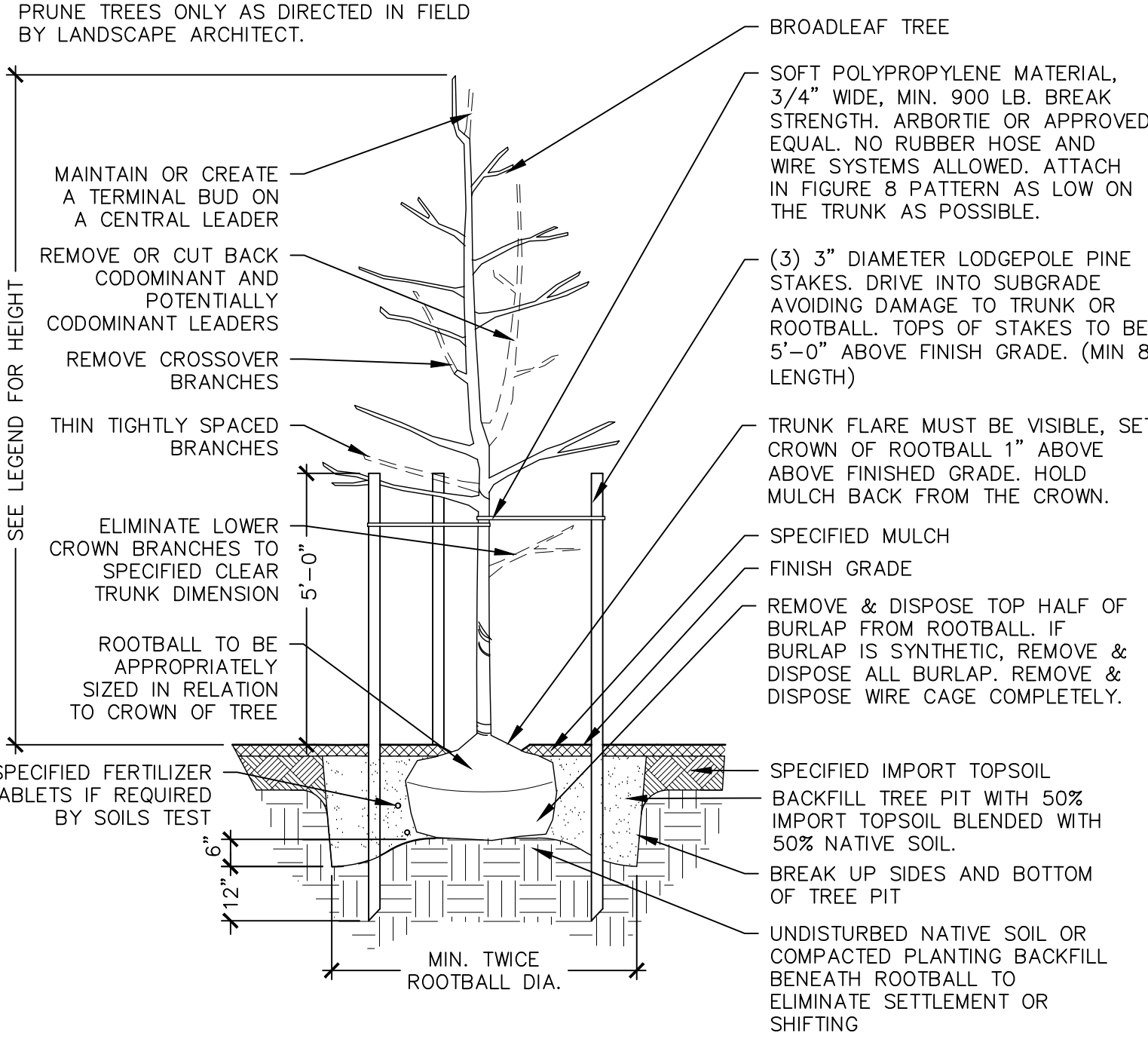
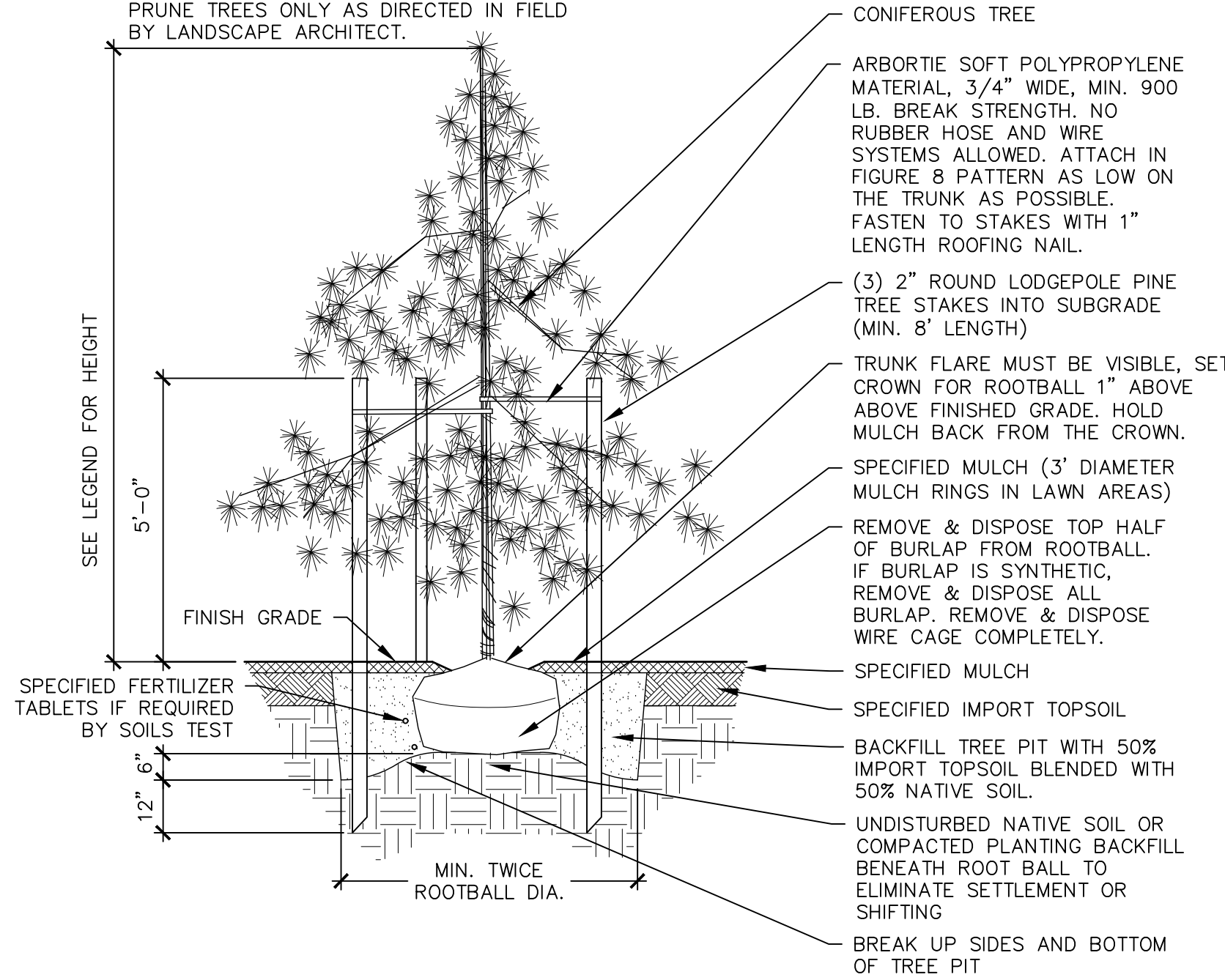
3 GROUNDCOVER SPACING DIAGRAM

1" = 1'-0"

P-BL1-05

PUBLIC IMPROVEMENTS

COUNTY ENGINEER	PERMIT #
PIERCE COUNTY ORDINANCE NUMBER	DATE
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PROJECT
SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
BONNEY LAKE, WA 98391

PREPARED BY
fora

DESIGNED
AR

DRAWN
KC AM

CHECKED
AR

DATE
01/26/2026

SCALE
1" = 30'

APPROVALS

SEAL
STATE OF WASHINGTON
LANDSCAPE ARCHITECT
FORA LANDSCAPE ARCHITECTS
1420 NE 65th Street
Seattle, WA 98115
P: 206.322.1722 or 206.464.1420

PROJECT NO.
L-201

PROJECT NO.
20931

PLANTING SCHEDULE & DETAILS

20931

1. CONTACT [REDACTED] THE AREA INSPECTOR, AT 253-798- [REDACTED] TO COORDINATE THE PRE-CONSTRUCTION MEETING AND CONJOINT INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION.
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1. ADJUST ALL IRRIGATION HEADS TO PROVIDE MAXIMUM COVERAGE, MINIMUM OVERSPRAY, AND NO FOGGING. SET ALL HEADS BACK FROM CURBS, PAVING, AND WALLS. SPRINKLER HEADS SHALL BE INSTALLED WITH 6" OFFSET FROM BACK OF PAVING OR CURB EDGES, AND 12" OFFSET WHERE CAR BUMPERS WILL OVERHANG.
2. LOCATION OF IRRIGATION MAINLINE, LATERALS, AND SLEEVING ARE SCHEMATIC ONLY, AND SHALL OCCUR IN PLANTING AREAS UNLESS SLEEVING IS SHOWN. IF SLEEVES ARE SHOWN, THEY ARE TO BE STRAIGHT RUNS, TYP. MAKE MINOR CHANGES TO COORDINATE WITH ACTUAL AS-BUILT DIMENSIONS AND CONDITIONS.
3. VALVE BOXES SHALL BE LOCATED IN SHRUB PLANTING AREAS ONLY. LOCATE IN APPROXIMATE LOCATIONS AS SHOWN ON PLAN.
4. THE IRRIGATION SYSTEM HAS BEEN DESIGNED WITH SEPARATE HYDROZONES ACCORDING TO THE NEEDS OF THE PLANT MATERIAL. THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO PROVIDE A MINIMUM AVERAGE DISTRIBUTION UNIFORMITY OF 0.625. THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO AVOID RUNOFF, LOW HEAD DRAINAGE, AND OVERSPRAY. AVOID IRRIGATION DURING TIMES OF HIGH WINDS, WHEN RAINING, OR DURING THE MIDDLE OF THE DAY.
5. LATERAL PIPE SIZE SHALL BE AS NOTED ON PLAN. UNLABELED SECTIONS SHALL MATCH THE SIZE NOTED OF THE ADJACENT UPSTREAM PIPE. MINIMUM PIPE SIZE AT END OF LATERAL RUNS SHALL BE 3/4".
6. QUANTITIES AND PIPE LENGTHS INDICATED ON THE IRRIGATION SCHEDULE ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR. IF THERE IS A DISCREPANCY BETWEEN PLAN AND SCHEDULE, THE PLAN SHALL TAKE PRECEDENT.
7. WHERE IRRIGATION PIPING IS SHOWN ADJACENT OR UNDER EXISTING TREES, MAKE MINOR ROUTE ADJUSTMENTS TO AVOID TRENCHING THROUGH LARGE TREE ROOTS. REFER TO SPECIFICATION SECTION 328000 FOR FURTHER INSTRUCTIONS.
8. REFER TO IRRIGATION SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

1. CONSTRUCTION OF THE IMPROVEMENTS SHOWN ON THIS PLAN REQUIRE CONNECTIONS TO, AND PARTIAL DEMOLITION OF THE EXISTING IRRIGATION SYSTEM, UNDER THIS CONTRACT MAKE ANY REQUIRED MODIFICATIONS TO LAYOUT SHOWN TO CONFORM TO ACTUAL AS-BUILT CONDITIONS OF EXISTING SYSTEM AT NO ADDITIONAL COST.
2. PRIOR TO ANY WORK, SCHEDULE A SITE VISIT WITH THE OWNER'S REPRESENTATIVE AND GENERAL CONTRACTOR TO SURVEY THE EXISTING SYSTEM. OPERATE THE ENTIRE SYSTEM FROM CONTROLLER AND DOCUMENT ON A PLAN ANY NONFUNCTIONING ZONES OR AREAS WITHIN AND OUTSIDE THE LIMITS OF WORK. THIS WALK THROUGH WILL BE THE BASIS OF AN UNDERSTANDING BETWEEN THE GENERAL CONTRACTOR AND THE OWNER AS TO THE STATUS OF THE SYSTEM PRIOR TO THE CONSTRUCTION PROJECT. REPAIR ANY SYSTEMS DAMAGED DURING CONSTRUCTION TO RESTORE THE SYSTEM TO AT LEAST THE STANDARD REVIEWED AT THE TIME OF WALK THROUGH. PREPARE A PROPOSAL TO THE GENERAL CONTRACTOR FOR ANY ADDITIONAL WORK OUTSIDE OF THE SCOPE OF WORK SHOWN ON THESE DRAWINGS, FOR REPAIR AT THE OWNER'S OPTION.
3. PROVIDE TEMPORARY CONTINUOUS SERVICE DURING THE DURATION OF THE CONSTRUCTION PROJECT TO WATER ALL EXISTING AREAS THAT MAY BE AFFECTED DURING CONSTRUCTION. HAND WATER ANY AREAS TEMPORARILY THAT DO NOT RECEIVE WATER DURING PROJECT DURATION.
4. REMOVE ALL IRRIGATION PIPING, SLEEVING OR HEADS IN AREAS TO BE MODIFIED. EXISTING WIRING MAY BE EXTENDED PROVIDED THAT SPLICES ARE LOCATED ON THE AS-BUILT AND INSTALLED IN A VALVE BOX USING WATER TIGHT CONNECTORS AS SPECIFIED. IRRIGATION HEADS MAY BE RE-USED PROVIDED THAT THEY ARE THE SAME AS SPECIFIED FOR THE NEW WORK AND THAT THEY ARE IN PERFECT OPERATING CONDITION. IRRIGATION PIPING MAY NOT BE RE-USED.
5. DURING INSTALLATION OF THE WORK BY GENERAL OR SUBCONTRACTORS, NOTE THE LOCATION OF ANY EXISTING IRRIGATION INFRASTRUCTURE ENCOUNTERED AND CLEARLY NOTE ON NEW RECORD DRAWINGS. NOTIFY THE OWNER OF ANY DAMAGE AND REPAIR DAMAGE IMMEDIATELY.
6. THE LOCATION OF IRRIGATION MAINLINE, LATERAL, SLEEVING, AND VALVES ARE SCHEMATIC ONLY AND SHALL OCCUR IN PLANTING AREAS UNLESS SLEEVING IS SHOWN. MAKE MINOR ADJUSTMENTS AS REQUIRED TO COORDINATE WITH AS-BUILT DIMENSIONS AND CONDITIONS.
7. WHERE SLEEVING IS REQUIRED ACROSS EXISTING ASPHALT, SAW CUT AND EXCAVATE A SMOOTH, STRAIGHT EVEN TRENCH. AFTER INSTALLING THE PIPING OR WIRING, REPAIR ALL PAVING IN ACCORDANCE WITH CIVIL PLANS AND DETAILS. PROVIDE COMPACTION CONSISTENT WITH SURROUNDING AREA AND COORDINATE ALL WORK WITH GENERAL CONTRACTOR.
8. IDENTIFY WIRING RUNS FROM EXISTING CONTROLLER TO ABANDONED ZONES AND PROVIDE ONE LOCATION FOR A SPICE BOX FOR THESE WIRES. VERIFY EXISTING CONTROLLER LOCATION PRIOR TO WORK. VERIFY EXTRA SPARE WIRES AS AVAILABLE FOR USE.
9. AFTER CONNECTION TO THE SITE MAINLINE OR LATERALS AND BEFORE PLACEMENT OF HEADS, FLUSH THE ENTIRE SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS INSURING THAT THERE ARE NO CONTAMINANTS WHATSOEVER IN THE NEW OR EXISTING PIPING.
10. AFTER INSTALLATION OF THE NEW WORK, RUN THE ENTIRE SYSTEM THROUGHOUT THE SITE FROM THE CONTROLLER TO MAKE SURE THERE IS WIRING CONTINUITY TO ALL VALVES AND SUFFICIENT FLOW TO ALL ZONES. FLAG ZONE NUMBERS PERMANENTLY ON BOTH SIDES OF ANY SPLICES IN VALVE BOX, AND AT CONTROLLER. TEST AND REPAIR OR REPLACE ANY WIRING WHICH IS SHORTED, DAMAGED, NOT FUNCTIONING WITH NEW WIRE AS SPECIFIED IN PVC SLEEVE, AT CODE REQUIRED DEPTH. IF NOT FEASIBLE, SUBMIT REQUEST TO USE DOUBLER BY TRANSITIONAL SYSTEM MFG. CO., TEL. (530) 751-2610.
11. REPAIR ANY DAMAGE TO LANDSCAPE THROUGHOUT SITE, EVEN BEYOND LIMITS OF WORK IF DAMAGE CAUSED BY CONTRACTORS OPERATIONS, INSTALLATION OR FAILURE TO ADHERE TO REQUIREMENTS NOTED ABOVE.
12. REFER TO IRRIGATION SPECIFICATION FOR ADDITIONAL REQUIREMENTS.



PROJECT NO.	PROJECT	PREPARED FOR	FORA	FORA LANDSCAPE ARCHITECTS 1000 1 ST AVENUE, SUITE 1000 SEATTLE, WA 98101 t: 206-322-7122 w: fora.land		REVISIONS		
						SEAL	APPROVALS	
PROJECT NO.	SHEET TITLE	SHEET NO.	L-300	20931	SUMMER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT BONNEY LAKE, WA 98391 IRRIGATION PLAN	SUMMER-BONNEY LAKE SCHOOL DISTRICT 19701-104TH STREET EAST BONNEY LAKE, WA 98391 (253) 6305	DESIGNED	AR
							DRAWN	KC, AM
							CHECKED	AR
							DATE	01/26/2026
						SCALE	1" = 30'	

		PERMIT #
COUNTY ENGINEER		DATE
PIERCE COUNTY ORDINANCE NUMBER		
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NOTES:

1. BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BALL VALVE. INSTALL AT RIGHT ANGLE TO HARDSCAPE EDGE, INSTALL VALVE OFF-CENTER IN BOX.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED FOR PROPER VALVE INSTALLATION AT MAINLINE DEPTH.



NOTE:

NOTE:
PROVIDE VALVE BOX EXTENSIONS AS REQUIRED.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	Detailed
	RAIN BIRD 1806-SAM-PRS-U 15 STRIP SERIES SHRUB SPRAY, 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	1	30	4/L-301
	RAIN BIRD 1806-SAM-PRS-U HE-VAN SERIES SHRUB SPRAY, 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	68	30	4/L-301
	HUNTER MP CORNER PROS-04-PRS40-CV-F TURF ROTATOR, 4IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, FLOGUARD, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. T=TURQUOISE ADJ ARC 45-105 ON PRS40 BODY.	3	40	4/L-301
	HUNTER MP STRIP PROS-04-PRS40-CV-F TURF ROTATOR, 4IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, FLOGUARD, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. LCS=IVORY LEFT STRIP, SS=BROWN SIDE STRIP, RCS=COPPER RIGHT STRIP.	86	40	4/L-301
	HUNTER MP1000 PROS-04-PRS40-CV-F TURF ROTATOR, 4IN. POP-UP WITH CHECK VALVE, FLOGUARD, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC.	68	40	4/L-301
	HUNTER MP2000 PROS-04-PRS40-CV-F TURF ROTATOR, 4IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, FLOGUARD, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.	16	40	4/L-301
	HUNTER MP3000 PROS-04-PRS40-CV-F TURF ROTATOR, 4IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, FLOGUARD, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. B=BLUE ADJ ARC 90-210, Y=YELLOW ADJ ARC 210-270, A=GRAY 360 ARC.	26	40	4/L-301
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY		Detailed
	RAIN BIRD PEB-PRS-D 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW CONFIGURATION CAPABILITY, GLOBE CONFIGURATION. WITH PRESSURE REGULATOR MODULE.	7		2/L-301
	NIBCO T-580-S6-R-66-LL STAINLESS STEEL BALL VALVE SHUT OFF VALVE	3		1/L-301
— — — — —	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 SEE PLAN FOR SIZE. UNLABELED SECTIONS SHALL MATCH THE SIZE NOTED OF THE ADJACENT UPSTREAM PIPE. MINIMUM PIPE SIZE AT END OF LATERAL RUNS SHALL BE 3/4".	4,291 LF		3/L-301
— — — — —	IRRIGATION MAINLINE: PVC SCHEDULE 40 SEE PLAN FOR SIZE. MINIMUM 2" UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR MINIMUM BURIAL DEPTH.	498.0 LF		3/L-301
== == == == ==	PIPE SLEEVE: PVC SCHEDULE 40 SEE PLAN FOR SIZE. 4" DIAMETER UNLESS OTHERWISE INDICATED ON PLAN. TO BE INSTALLED BY LANDSCAPE CONTRACTOR AT DEPTHS SPECIFIED.	392.3 LF		3/L-301



NOTES:

1. NO OTHER TRADES (ELECT. LIGHTING) ALLOWED TO USE SAME TRENCH AS IRRIGATION PIPE.
2. PROVIDE 24" COVER FOR DIRECT BURIAL CABLE.
3. PROVIDE PVC SCH. 40 SLEEVES FOR ALL WIRING AND PIPING UNDER PAVING.
4. NO STACKING (VERTICALLY) OF PIPES IN SAME TRENCH.



PLAN VIEW

$$1\ 1/2'' = 1'-0''$$

P-BL1-15

$$1\ 1/2'' = 1'-0''$$

P-BL1-29

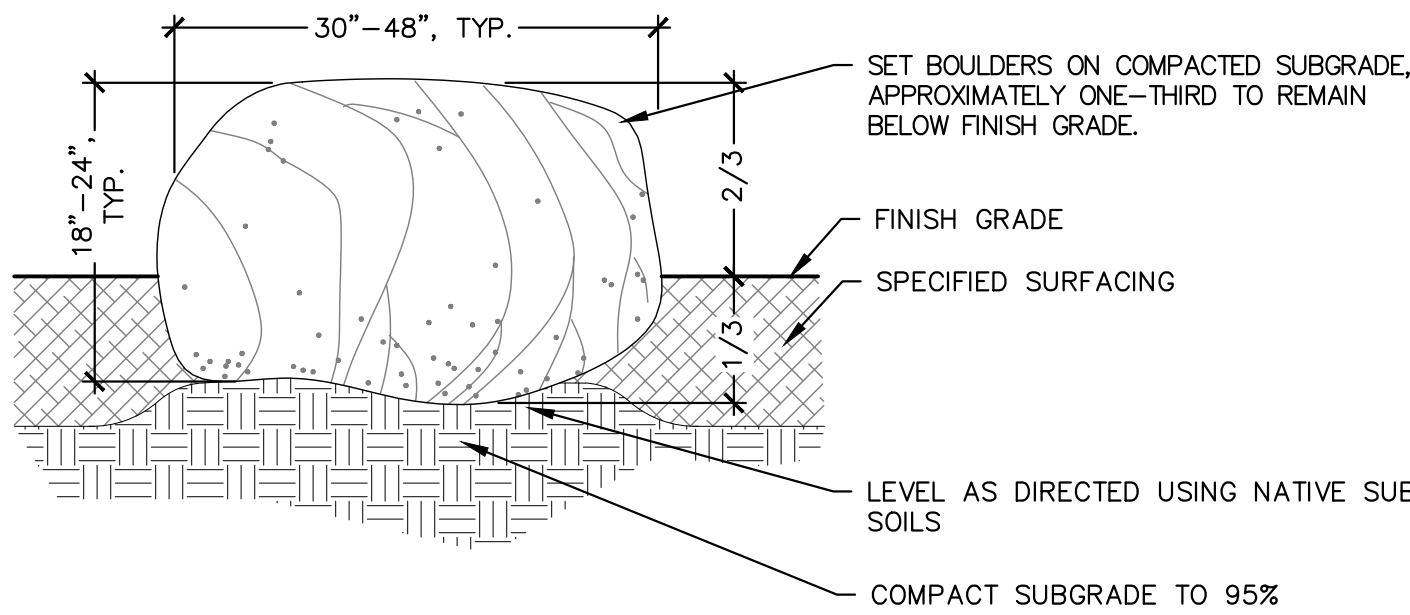
$$1 \frac{1}{2}'' = 1'-0''$$

P-R1 1-20

$$3'' = 1' - 0''$$

P-R| 1-14

P:\GIS roundabout\CAO\GIS_918_L-4-DTL.dwg last edited: 07/28/28 10:35am by dnoez



TYPICAL PLACEMENT

- NOTES:
1. LANDSCAPE ARCHITECT TO DIRECT PLACEMENT OF ALL BOULDERS IN FIELD.
 2. ALL BOULDERS TO BE MINIMUM 18" ABOVE FINISH GRADE, MAXIMUM 24" HT.
 3. BACKFILL AND COMPACT ALL GAPS ON SIDES AND BOTTOM TO PROHIBIT MOVEMENT AND MINIMIZE SETTLING.
 4. REMOVE ALL DIRT AND DEBRIS FROM BOULDER SURFACES.
 5. SEE SPECIFICATIONS FOR BOULDER TYPE / SIZES
 6. SEE GRADING PLANS FOR FINISH GRADE ELEVATIONS TOP AND BOTTOM OF BOULDERS.

1 LANDSCAPE BOULDER

3/4" = 1'-0"

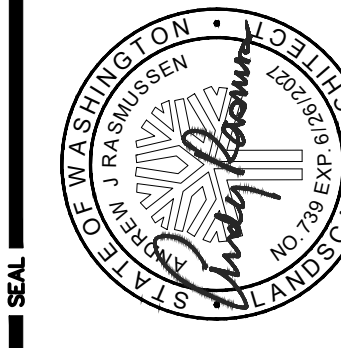
P-BL1-21

PUBLIC IMPROVEMENTS

COUNTY ENGINEER	PERMIT #
PIERCE COUNTY ORDINANCE NUMBER	DATE
1. CONTACT THE AREA INSPECTOR, AT 253-798- TO COORDINATE THE PRE-CONSTRUCTION MEETING AND COUNTY INSPECTIONS. PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION.	
2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.	
3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.	
4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.	

REVISIONS

DESIGNED	AR
DRAWN	KC, AM
CHECKED	AR
DATE	01/28/2026
SCALE	1" = 30'



Fora Landscape Architects
1630 NE 65th Street
Seattle, WA 98105
P: 206-322-1722 or fora.land

fora

**SUMNER-BONNEY LAKE
SCHOOL DISTRICT**
19701-104TH STREET EAST
BONNEY LAKE, WA 98391
(253) 6305

PROJECT	SUMNER-BONNEY LAKE SCHOOL DISTRICT - NEW ROUNDABOUT
SHEET TITLE	LANDSCAPE DETAILS
SHEET NO.	L-400

PROJECT NO.	20931
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