


  
 CITY OF KIRKLAND
   
 2021 NEIGHBORHOOD SAFETY PROGRAM
   
 JOB NO. 23-155
   
 100% PLAN SET

AUGUST 12, 2024

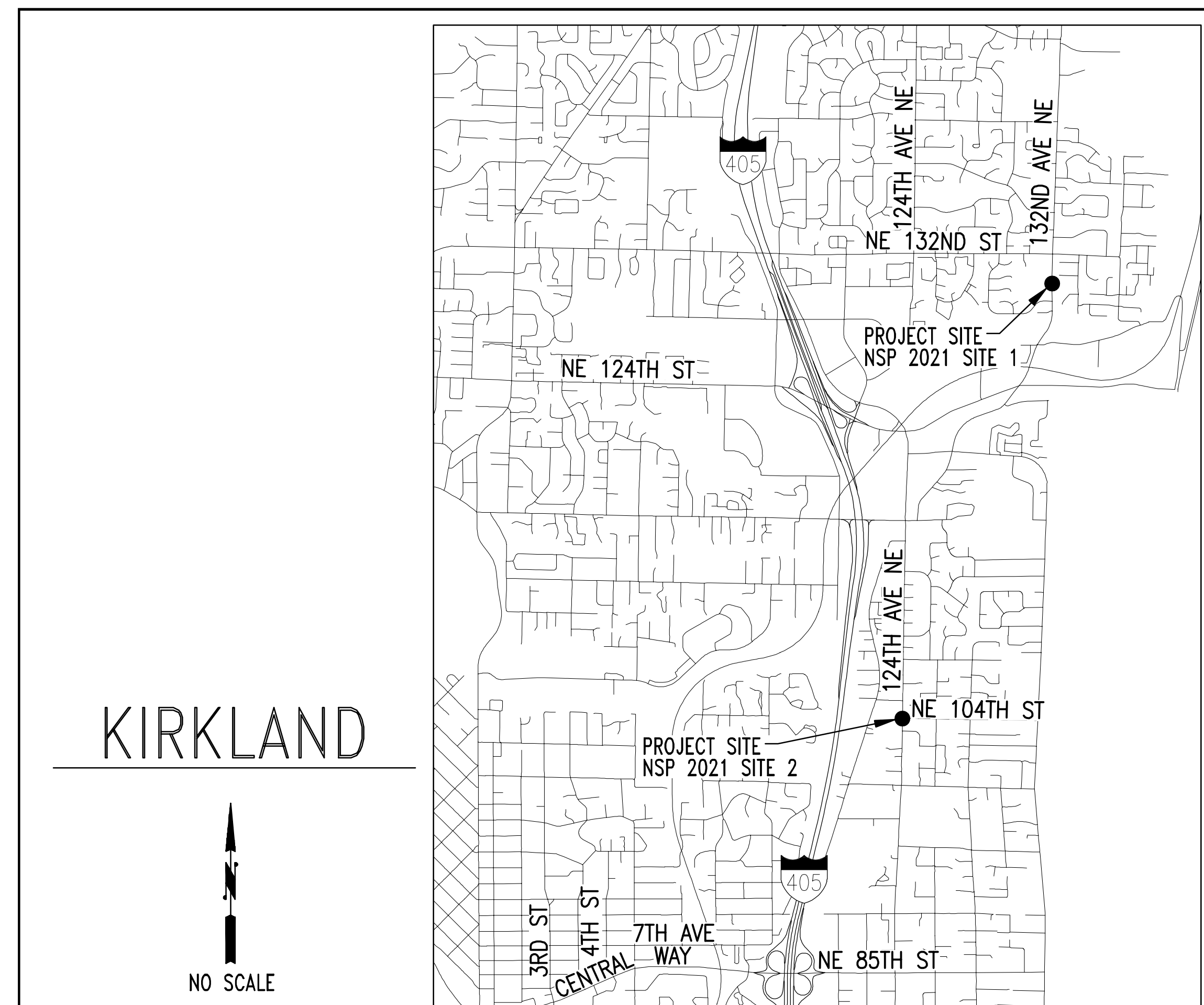
CIP NMC0062121

CITY OFFICIALS

KELLI CURTIS	MAYOR
JAY ARNOLD	DEPUTY MAYOR
NEAL BLACK	COUNCIL MEMBER
PENNY SWEET	COUNCIL MEMBER
JOHN TYMCZYSZYN	COUNCIL MEMBER
AMY FALCONE	COUNCIL MEMBER
JON PASCAL	COUNCIL MEMBER
KURT TRIPLETT	CITY MANAGER
TRUC DEVER	PUBLIC WORKS DIRECTOR
ROD STEITZER, P.E.	CAPITAL PROJECTS MANAGER

CONTACT PERSONNEL

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DISPATCH	COK FIRE DEPARTMENT	425.864.3650
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# GENERAL NOTES

- ALL WORKMANSHIP, METHODS AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO THE 2021 EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS PRODUCED BY WSDOT AND THE WASHINGTON STATE CHAPTER OF THE APWA, AND THE CURRENT CITY OF KIRKLAND PUBLIC WORKS STANDARDS AND PRE-APPROVED PLANS.
- EXISTING UTILITIES ARE SHOWN IN THESE PLANS PER THE LA TEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES AND RELATED SURFACE FEATURES WITHIN THE PROJECT AREA AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE PLAN INFORMATION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL, AT MINIMUM, CONTACT THE UNDERGROUND UTILITIES LOCATE CENTER (811) TO HAVE UTILITIES VERIFIED ON THE GROUND PRIOR TO CONSTRUCTION.
- THE TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) MEASURES SHOWN IN THESE PLANS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL PROVIDE ANY REASONABLE ADDITIONAL MEASURES AS MAY BE REQUIRED TO FACILITATE ACTUAL SITE RUNOFF CONDITIONS AT THE TIME OF CONSTRUCTION. ALL NECESSARY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN-PLACE PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES.
- ALL NEW PAVEMENT, SIDEWALKS, AND CURB AND GUTTER INSTALLED BY THIS PROJECT SHALL BEAR ON SUITABLE, COMPACT FOUNDATION SOILS IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND PROJECT CONTRACT DOCUMENTS. SIMILAR EXISTING FACILITIES TO REMAIN, WHICH ARE DISTURBED OR DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED IN-KIND TO THE SAME STANDARDS OF NEW FACILITIES.
- ALL PAVEMENT MARKINGS SHALL CONFORM TO THE CITY OF KIRKLAND PRE-APPROVED STANDARD PLANS AND SPECIFICATIONS AS AMENDED OR SUPPLEMENTED BY THE PLANS, DETAILS, AND SPECIFICATIONS PROVIDED IN THE CONTRACT DOCUMENTS.
- THE MATERIALS AND METHODS OF INSTALLATION FOR ALL WATER AND SANITARY SEWER FACILITIES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF CITY OF KIRKLAND WATER AND SANITARY SEWER PRE-APPROVED PLANS AND POLICIES UNLESS OTHERWISE AMENDED BY THESE PLANS.
- AT LEAST TWO COPIES OF THESE PLANS SHALL BE ON THE JOB SITE WHEN CONSTRUCTION IS IN PROGRESS. THE CONTRACTOR SHALL ALSO HAVE COPIES OF THE APPLICABLE REGULATORY AGENCY STANDARDS AVAILABLE AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS. ALL APPLICABLE PERMITS SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION ACTIVITY. ONE COMPLETE SET OF PROJECT PLANS WITH RECORDS OF AS-BUILT INFORMATION SHALL BE PROVIDED TO THE PROJECT ENGINEER AT THE END OF THE PROJECT.
- THE CONTRACTOR SHALL COORDINATE ACTIVITIES OF ALL UTILITY PURVEYORS IMPACTED BY WORK FOR THIS PROJECT AND SHALL CONTACT THEM PRIOR TO CONSTRUCTION TO SCHEDULE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT AND KEEP IN SERVICE ALL EXISTING UTILITIES WHETHER SHOWN OR NOT SHOWN ON THESE PLANS DURING CONSTRUCTION.
- UTILITIES, OR INTERFERING PORTIONS OF UTILITIES, THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO COMPLETE THE PROPOSED WORK. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDONED UTILITIES. CUTTING AND PLUGGING OF LINES TO BE ABANDONED SHALL BE CONSIDERED INCIDENTAL TO OTHER WORK PERFORMED.
- THE CONTRACTOR SHALL PREPARE A SITE SPECIFIC TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE MUTCD AND SHALL SUBMIT IT TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING. WORK SHALL NOT BEGIN PRIOR TO THE TRAFFIC CONTROL PLAN APPROVAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE TRAFFIC CONTROL AND SAFE PASSAGE OF PEDESTRIANS, BICYCLISTS AND ALL NON-MOTORIZED TRAVEL DURING CONSTRUCTION ADJACENT TO OR WITHIN ALL PUBLIC ROADWAYS. TRAFFIC CONTROL AND PEDESTRIAN MEASURES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE PROPERTY DRIVEWAYS DURING CONSTRUCTION. THE CONTRACTOR SHALL NOT IMPACT/CLOSE OR BLOCK A DRIVEWAY WITHOUT FIVE BUSINESS DAYS NOTICE TO THE CITY, FOR COORDINATION/OUTREACH TO AFFECTED PROPERTY OWNERS/TENANTS.
- PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRE-CONSTRUCTION MEETING WITH THE CITY OF KIRKLAND TO BE ATTENDED BY ALL MAJOR CONTRACTORS AND REPRESENTATIVES OF INVOLVED UTILITIES. SEE SECTION 1-01.17 OF THE SPECIAL PROVISIONS FOR UTILITY CONTRACT INFORMATION.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL REQUEST A PUNCH LIST FROM THE CITY'S INSPECTOR PER SECTION 1-05.11 OF THE SPECIFICATIONS. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE PROJECT.
- ALL TACTILE DOMES TO BE YELLOW UNLESS OTHERWISE STATED.
- ANY CONSTRUCTION OR INSTALLATION ACTIVITIES AFFECTING TRANSIT OPERATIONS OR FACILITIES MUST BE COORDINATED THROUGH METRO TRANSIT CONSTRUCTION INFORMATION CENTER. FOR NOTIFICATION INFORMATION AND GUIDELINES, PLEASE VISIT: [HTTP://WWW.KINGCOUNTY.GOV/TRANSPORTATION/KCDOT/METRO TRANSIT/CONSTRUCTION.ASPX](http://www.kingcounty.gov/transportation/kcdot/metro-transit/construction.aspx) OR CONTACT CONSTRUCTION COORDINATORS AT 206-477-1140. PLEASE PROVIDE FIVE BUSINESS DAYS NOTIFICATION FOR BUS REROUTES AND THREE BUSINESS DAYS NOTIFICATION FOR BUS STOP IMPACTS.

# EROSION/SEDIMENTATION CONTROL - PLAN NOTES

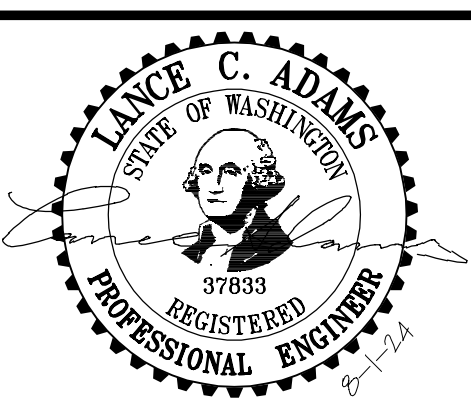
- THE APPROVED CONSTRUCTION SEQUENCE SHALL BE AS FOLLOWS: A. CONDUCT PRE-CONSTRUCTION MEETING. B. FLAG OR FENCE CLEARING LIMITS. C. POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR. D. INSTALL CATCH BASIN PROTECTION IF REQUIRED. E. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S). F. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.). G. CONSTRUCT SEDIMENT PONDS AND TRAPS. H. GRADE AND STABILIZE CONSTRUCTION ROADS. I. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT. J. MAINTAIN EROSION CONTROL MEASURE IN ACCORDANCE WITH CITY OF KIRKLAND STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. K. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY TESC MINIMUM REQUIREMENTS. L. COVER ALL AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, CRUSHED ROCK OR EQUIVALENT. M. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS. N. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS. O. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS CLEAN AND FREE OF CONTAMINANTS AT ALL TIMES AND FOR PREVENTING AN ILLICIT DISCHARGE (KMC 15.52) INTO THE MUNICIPAL STORM DRAIN SYSTEM. IF YOUR CONSTRUCTION PROJECT CAUSES AN ILLICIT DISCHARGE TO THE MUNICIPAL STORM DRAIN SYSTEM, THE CITY OF KIRKLAND STORM MAINTENANCE DIVISION WILL BE CALLED TO CLEAN THE PUBLIC STORM SYSTEM, AND OTHER AFFECTED PUBLIC INFRASTRUCTURE. THE CONTRACTOR(S), PROPERTY OWNER, AND ANY OTHER RESPONSIBLE PARTY MAY BE CHARGED ALL COSTS ASSOCIATED WITH THE CLEAN-UP AND MAY ALSO BE ASSESSED MONETARY PENALTIES (KMC 1.12.200). THE MINIMUM PENALTY IS \$250. A FINAL INSPECTION OF YOUR PROJECT WILL NOT BE GRANTED UNTIL ALL COSTS ASSOCIATED WITH THE CLEAN-UP, AND PENALTIES, ARE PAID TO THE CITY OF KIRKLAND.
- CONSTRUCTION DEWATERING DISCHARGES SHALL ALWAYS MEET WATER QUALITY GUIDELINES LISTED IN COK POLICY E-1. SPECIFICALLY, DISCHARGES TO THE PUBLIC STORMWATER DRAINAGE SYSTEM MUST BE BELOW 25NTU, AND NOT CONSIDERED AN ILLICIT DISCHARGE (PER KMC 15.52.090). TEMPORARY DISCHARGES TO SANITARY SEWER REQUIRE PRIOR AUTHORIZATION AND PERMIT FROM KING COUNTY INDUSTRIAL WASTE PROGRAM (206-263-3000) AND NOTIFICATION TO THE PUBLIC WORKS CONSTRUCTION INSPECTOR.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF KIRKLAND STANDARDS AND SPECIFICATIONS.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE SET BY SURVEY AND CLEARLY FLAGGED IN THE FIELD BY A CLEARING CONTROL FENCE PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE OR REMOVAL OF ANY GROUND COVER BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMITTEE/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
- THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- A COPY OF THE APPROVED ESC PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
- THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THE APPROVED PLANS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE ENGINEER AND THE CITY OF KIRKLAND INSPECTOR.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
- THE ESC FACILITIES SHALL BE INSPECTED BY THE PERMITTEE/CONTRACTOR DAILY DURING NON-RAINFALL PERIODS, EVERY HOUR (DAYLIGHT) DURING A RAINFALL EVENT, AND AT THE END OF EVERY RAINFALL, AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, TEMPORARY SILTATION PONDS AND ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS SHALL BE KEPT DOCUMENTING THE REVIEWS OF THE ESC FACILITIES.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- ALL DENUDED SOILS MUST BE STABILIZED WITH AN APPROVED TESC METHOD (E.G. SEEDING, MULCHING, PLASTIC COVERING, CRUSHED ROCK) WITHIN THE FOLLOWING TIMELINES: X MAY 1 TO SEPTEMBER 30 - SOILS MUST BE STABILIZED WITHIN 7 DAYS OF GRADING. X OCTOBER 1 TO APRIL 30 - SOILS MUST BE STABILIZED WITHIN 2

- DAY OF GRADING. X STABILIZE SOILS AT THE END OF THE WORKDAY PRIOR TO A WEEKEND, HOLIDAY, OR PREDICTED RAIN EVENT.
- WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (EXAMPLE: ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).
- WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2".
- ALL LOTS ADJOINING OR HAVING ANY NATIVE GROWTH PROTECTION EASEMENTS (NGPE) SHALL HAVE A 6' HIGH TEMPORARY CONSTRUCTION FENCE (CHAIN LINK WITH PIER BLOCKS) SEPARATING THE LOT (OR BUILDABLE PORTIONS OF THE LOT) FROM THE AREA RESTRICTED BY THE NGPE AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR CLEARING AND REMAIN IN PLACE UNTIL THE PLANNING DEPARTMENT AUTHORIZES REMOVAL.
- CLEARING LIMITS SHALL BE DELINEATED WITH A CLEARING CONTROL FENCE. THE CLEARING CONTROL FENCE SHALL CONSIST OF A 6-FT. HIGH CHAIN LINK FENCE ADJACENT THE DRIP LINE OF TREES TO BE SAVED, WETLAND OR STREAM BUFFERS, AND SENSITIVE SLOPES. CLEARING CONTROL FENCES ALONG WETLAND OR STREAM BUFFERS OR UPSLOPE OF SENSITIVE SLOPES SHALL BE ACCOMPANIED BY AN EROSION CONTROL FENCE. IF APPROVED BY THE CITY, A FOUR-FOOT HIGH ORANGE MESH CLEARING CONTROL FENCE MAY BE USED TO DELINEATE CLEARING LIMITS IN ALL OTHER AREAS.
- OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS.
- ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1' AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8" ROCK/40%-70% PASSING; 2"-4" ROCK/30%-40% PASSING; AND 1"-2" ROCK/10%-20% PASSING. RECYCLED CONCRETE SHALL NOT BE USED FOR EROSION PROTECTION, INCLUDING CONSTRUCTION ENTRANCE OR TEMPORARY STABILIZATION ELSEWHERE ON THE SITE.
- IF ANY PART(S) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT SHALL BE REPAIRED IMMEDIATELY.
- ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF.
- AT NO TIME SHALL MORE THAN 1' OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED IMMEDIATELY FOLLOWING REMOVAL OF EROSION CONTROL BMPS. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION OR DISPERSION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN. NO UNDERGROUND DETENTION TANK, DETENTION VAULT, OR SYSTEM WHICH BACKS UNDER OR INTO A POND SHALL BE USED AS A TEMPORARY SETTLING BASIN.
- ALL EROSION/SEDIMENTATION CONTROL PONDS WITH A DEAD STORAGE DEPTH EXCEEDING 6" MUST HAVE A PERIMETER FENCE WITH A MINIMUM HEIGHT OF 3'.
- THE WASHED GRAVEL BACKFILL ADJACENT TO THE FILTER FABRIC FENCE SHALL BE REPLACED AND THE FILTER FABRIC CLEANED IF IT IS NONFUNCTIONAL BY EXCESSIVE SILT ACCUMULATION AS DETERMINED BY THE CITY OF KIRKLAND. ALSO, ALL INTERCEPTOR SWALES SHALL BE CLEANED IF SILT ACCUMULATION EXCEEDS ONE-QUARTER DEPTH.
- PRIOR TO THE OCTOBER 1 OF EACH YEAR (THE BEGINNING OF THE WET SEASON), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. THE IDENTIFIED DISTURBED AREA SHALL BE SEEDED WITHIN ONE WEEK AFTER OCTOBER 1. A SITE PLAN DEPICTING THE AREAS TO BE SEEDED AND THE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE PUBLIC WORKS CONSTRUCTION INSPECTOR. THE INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.
- ANY AREA TO BE USED FOR INFILTRATION OR PERVIOUS PAVEMENT (INCLUDING A 5-FOOT BUFFER) MUST BE SURROUNDED BY SILT FENCE PRIOR TO CONSTRUCTION AND UNTIL FINAL STABILIZATION OF THE SITE TO PREVENT SOIL COMPACTION AND SILTATION BY CONSTRUCTION ACTIVITIES.
- IF THE TEMPORARY CONSTRUCTION ENTRANCE OR ANY OTHER AREA WITH HEAVY VEHICLE LOADING IS LOCATED IN THE SAME AREA TO BE USED FOR INFILTRATION OR PERVIOUS PAVEMENT, 6" OF SEDIMENT BELOW THE GRAVEL SHALL BE REMOVED PRIOR TO INSTALLATION OF THE INFILTRATION FACILITY OR PERVIOUS PAVEMENT (TO REMOVE FINES ACCUMULATED DURING CONSTRUCTION).
- ANY CATCH BASINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, SHALL HAVE ADEQUATE PROTECTION FROM SEDIMENT. CATCH BASINS DIRECTLY DOWNSTREAM OF THE CONSTRUCTION ENTRANCE OR ANY OTHER CATCH BASIN AS DETERMINED BY THE CITY INSPECTOR SHALL BE PROTECTED WITH A "STORM DRAIN PROTECTION INSERT" OR EQUIVALENT.
- IF A SEDIMENT POND IS NOT PROPOSED, A BAKER TANK OR OTHER TEMPORARY GROUND AND/OR SURFACE WATER STORAGE TANK MAY BE REQUIRED DURING CONSTRUCTION, DEPENDING ON WEATHER CONDITIONS.
- DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT COULD MEAN RE-CLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-LAYING THE STORM LINE.
- RECYCLED CONCRETE SHALL NOT BE STOCKPILED ON SITE, UNLESS FULLY COVERED WITH NO POTENTIAL FOR RELEASE OF RUNOFF.



**CITY OF KIRKLAND**  
 DEPARTMENT OF PUBLIC WORKS  
 123 FIFTH AVENUE KIRKLAND, WA 98033  
 (425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

L. ADAMS DESIGNED BY:	7-28-23 DATE
B. NELSON DRAWN BY:	7-28-23 DATE
L. ADAMS CHECKED BY:	7-28-23 DATE

**CITY OF KIRKLAND**  
 NMC0062121 - DESIGN SERVICES  
 2021 NEIGHBORHOOD SAFETY PROGRAM

*GENERAL NOTES*

SHEET: <b>2</b> OF <b>15</b>
SCALE: AS NOTED
FILENAME: C23155C-2021-CS-PL.DWG



# LEGEND

EXISTING SYMBOLS		ABBREVIATIONS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WATER METER	COK	CITY OF KIRKLAND
	WATER VALVE	STD	STANDARD
	FIRE HYDRANT	ROW	RIGHT-OF-WAY
	MONITORING WELL	ASPH	ASPHALT
	POWER POLE	CONC	CONCRETE
	LIGHT POLE	HMA	HOT MIX ASPHALT
	LIGHT POLE W/ARM	DWY	DRIVEWAY
	GUY ANCHOR	RPM	RAISED PAVEMENT MARKER
	CATCH BASIN	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
	STORM MANHOLE	DTL	DETAIL
	SEWER MANHOLE	CL	CLASS
	SIGN	CEM	CEMENT
	MAILBOX	TYP	TYPICAL
	TELCO MANHOLE	RRFB	RECTANGULAR RAPID FLASHING BEACON
	TELCO RISER	RPMS	RAISED PAVEMENT MARKERS
	JUNCTION BOX	<b>PROPOSED SYMBOLS</b>	
	POWER TRANSFORMER		PROPOSED POLE MOUNTED RRFB W/ PUSHBUTTON
	POWER VAULT		PROPOSED POLE MOUNTED RRFB
	GAS METER		PROPOSED RRFB PUSHBUTTON
	GAS VALVE		PROPOSED SIGN
	TREE CONIFEROUS		PROPOSED CONDUIT ROUTE
	TREE DECIDUOUS		PROPOSED JUNCTION BOX
	EXISTING STORM LINE		PROPOSED SERVICE CABINET
	EXISTING WATER LINE		PROPOSED RPMS
	EXISTING SEWER LINE		
	EXISTING WATER PAINT MARK LINE		
	EXISTING GAS PAINT MARK LINE		
	EXISTING TELECOMMUNICATIONS PAINT MARK LINE		
	EXISTING FIBER OPTIC PAINT MARK LINE		
	EXISTING POWER PAINT MARK LINE		
	EXISTING IRRIGATION LINE		

# SURVEY INFORMATION

## HORIZONTAL DATUM

NAD83/11  
WASHINGTON STATE COORDINATES-NORTH ZONE

## VERTICAL DATUM:

NORTH AMERICAN VERTICAL DATUM-1988  
(NAVD 88 - NGVD 1929 = 3.62')

## SITE BENCHMARK

PROJECT BENCHMARK: (NORTH AMERICAN VERTICAL DATUM-1988)  
CITY OF KIRKLAND SURVEY CONTROL POINT #99  
1-1/2" BRASS DISC W/X, IN CASE @ INT. OF 10TH AVE S & LAKE ST S  
ELEVATION = 30.47 FEET

CITY OF KIRKLAND SURVEY CONTROL POINT #175  
3" BRASS DISC, IN CASE @ INT. OF 124TH AVE NE & NE 139TH ST  
ELEVATION = 292.10 FEET

## BASIS OF BEARING

NAD83/11 FROM GPS OBSERVATION

## EQUIPMENT & PROCEDURES

METHOD OF SURVEY:  
SURVEY PERFORMED BY FIELD TRAVERSE  
INSTRUMENTATION:  
LEICA MS-50 ROBOTIC TOTAL STATION WITH DATA COLLECTOR AND  
LEICA GS-16 GPS MAINTAINED IN ADJUSTMENT TO MANUFACTURER'S  
SPECIFICATIONS AS REQUIRED BY WAC 332-130-100  
PRECISION:  
MEETS OR EXCEEDS STATE STANDARDS WAC 332-130-090

## SURVEY NOTES

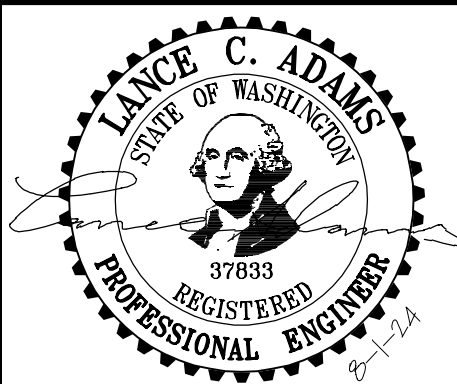
- THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF PARTIES WHOSE NAMES APPEAR HEREON ONLY, AND DOES NOT EXTEND TO ANY UNNAMED THIRD PARTIES WITHOUT EXPRESS RECERTIFICATION BY THE LAND SURVEYOR RECORD.
- BOUNDARY LINES SHOWN REPRESENT COUNTY GIS LOCATIONS; OWNERSHIP LINES MAY VARY. NO GUARANTEE OF OWNERSHIP IS EXPRESSED OR IMPLIED. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT PURPORT TO ENCUMBER TITLE OR USE OF SUBJECT PROPERTY.
- THIS SURVEY WAS CONDUCTED ON 07/12/2023 THROUGH 07/25/2023.



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS  
123 FIFTH AVENUE KIRKLAND, WA 98033  
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

DATE:

L. ADAMS 7-28-23  
DESIGNED BY: DATE

B. NELSON 7-28-23  
DRAWN BY: DATE

L. ADAMS 7-28-23  
CHECKED BY: DATE

**CITY OF KIRKLAND**  
NMC0062121 - DESIGN SERVICES  
2021 NEIGHBORHOOD SAFETY PROGRAM

LEGEND AND CONSTRUCTION NOTES

SHEET:

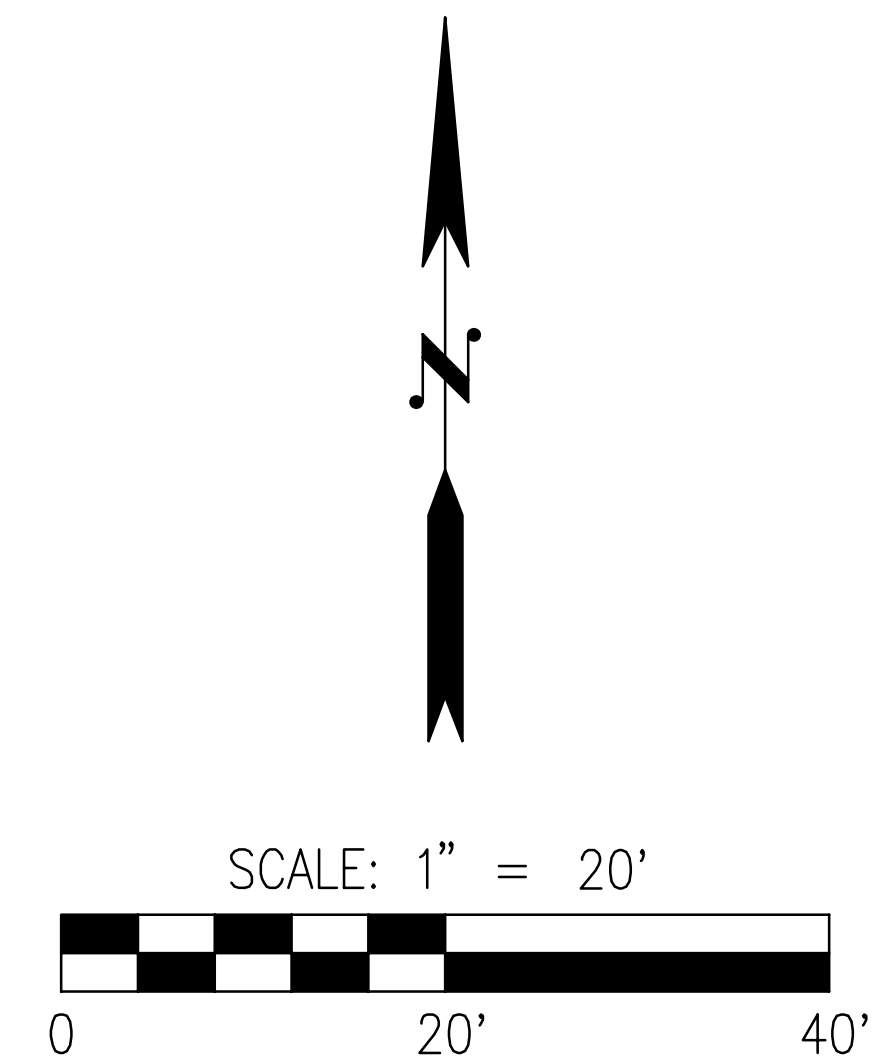
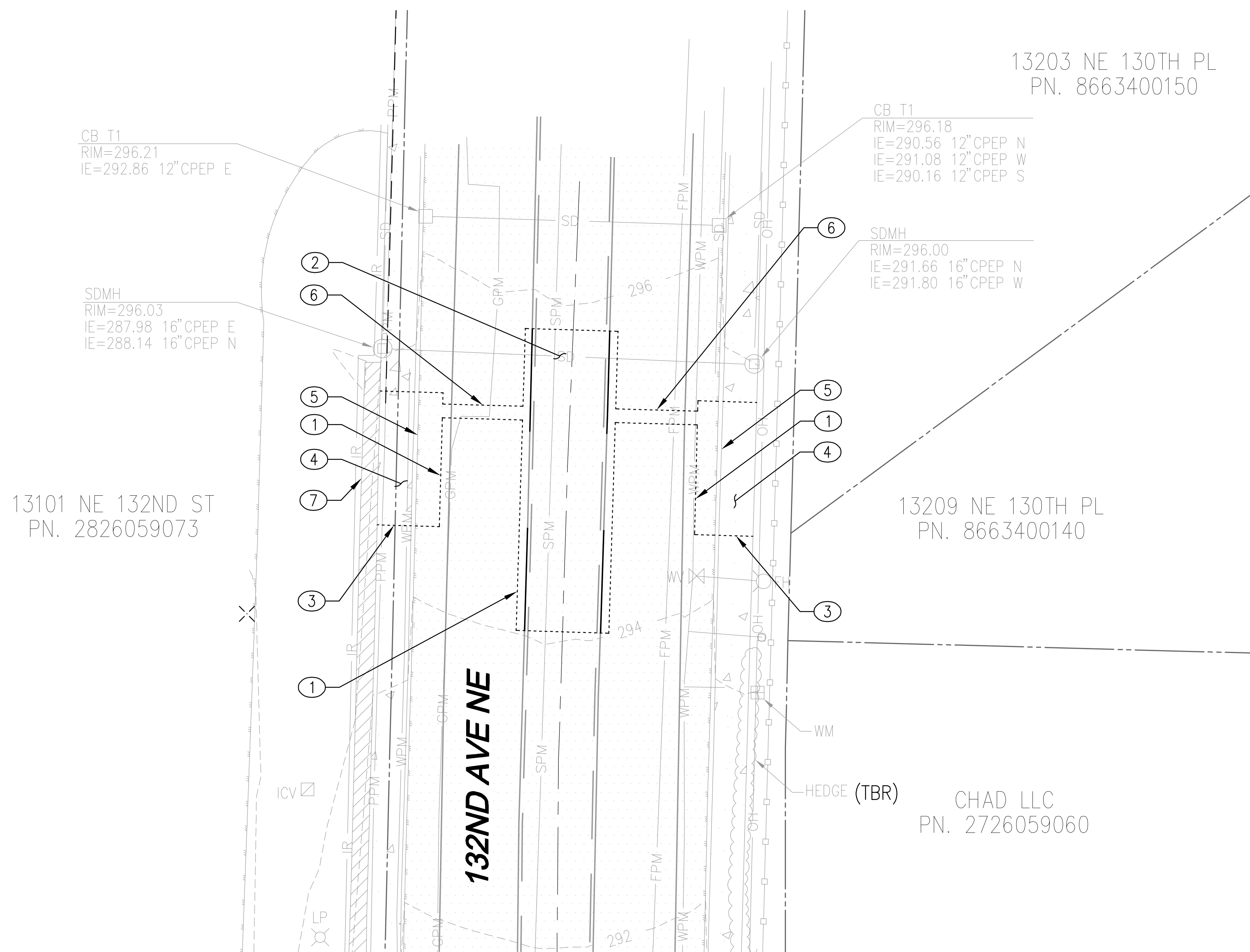
3 OF 15

SCALE:

AS NOTED

FILENAME:

C23155C-2021-CS-PL.DWG



**LEGEND**

----- SAWCUT

**REMOVAL NOTES**

- ① SAWCUT EXISTING HMA PAVEMENT TO FULL DEPTH.
- ② REMOVE EXISTING HMA PAVEMENT TO BASE MATERIAL.
- ③ SAWCUT EXISTING CEMENT CONCRETE TO FULL DEPTH.
- ④ REMOVE EXISTING CEMENT CONCRETE SIDEWALK.
- ⑤ REMOVE EXISTING CEMENT CONCRETE CURB AND GUTTER.
- ⑥ SAWCUT TRENCH FOR INSTALLATION OF CONDUIT, MIN 2' BEYOND EDGE OF TRENCH.
- ⑦ REMOVE/RELOCATE BLOCK WALL TO ALLOW ADEQUATE SPACE FOR RRFB AND JUNCTION BOX INSTALLATION.

**NOTE**

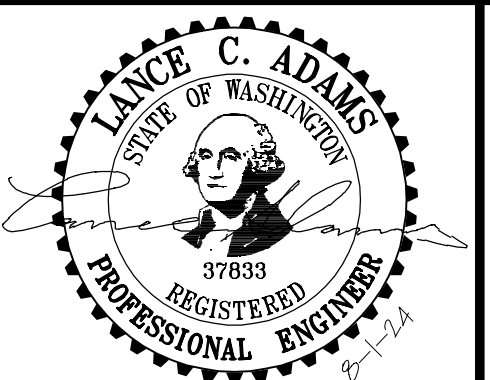
POTHOLE ALL UTILITY CROSSINGS AFTER LOCATES HAVE BEEN PERFORMED. POTHOILING WILL BE INCIDENTAL TO THE INSTALLATION OF CONDUIT TRENCH. SAW CUTTING WILL NOT BE ALLOWED UNTIL A CONDUIT ROUTE HAS BEEN AGREED UPON.

CONTRACTOR SHALL CONTACT CHRISTAN HOFFMAN, WOODINVILLE WATER DISTRICT ENGINEER COORDINATOR AT (425) 487-4142 PRIOR TO CONSTRUCTION AT THIS SITE.

**Call 2 Business Days Before You Dig**  
**811 or 1-800-424-5555**  
 Utilities Underground Location Center

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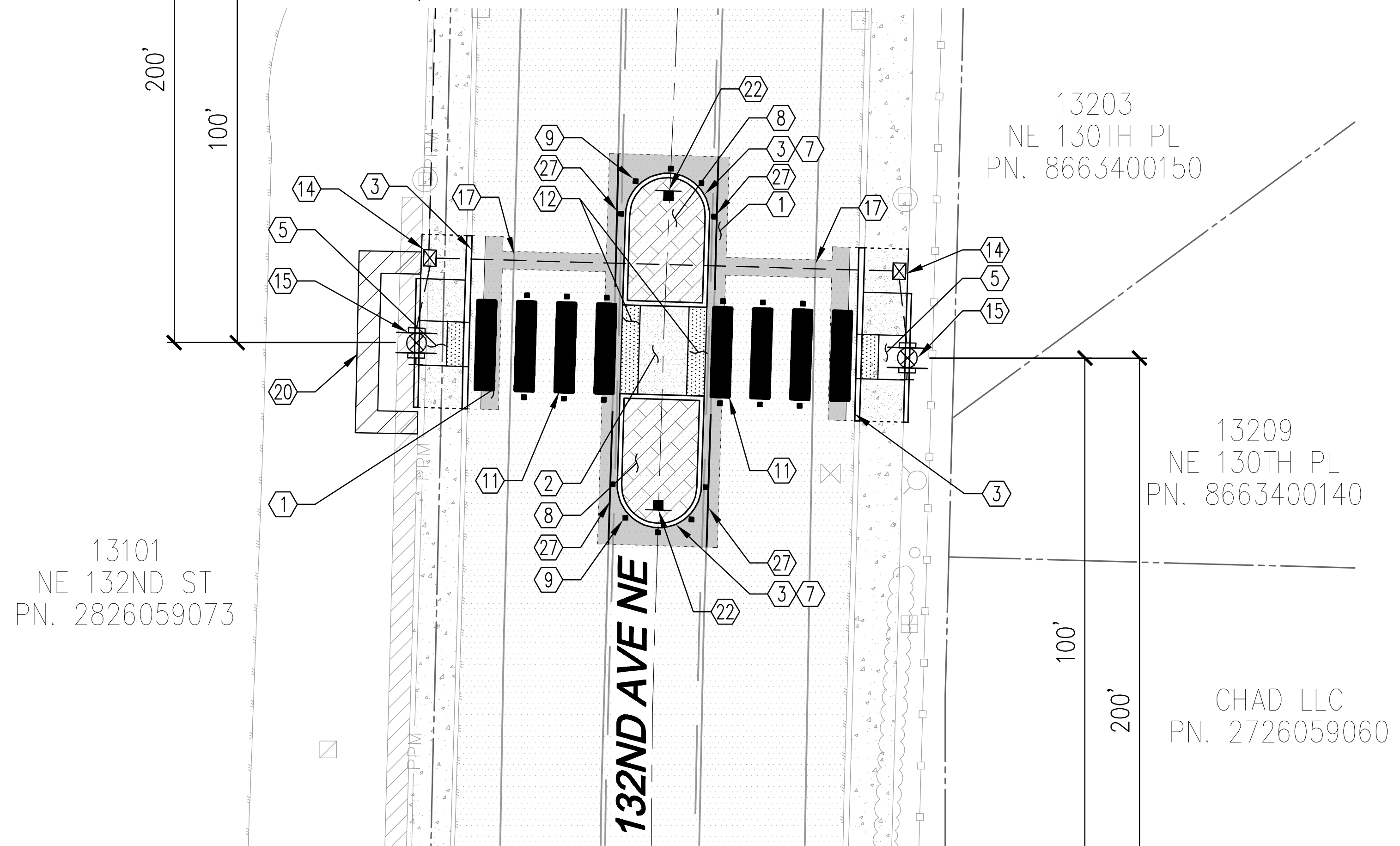
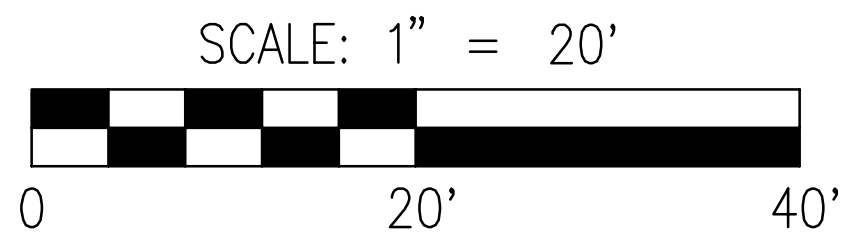
L. ADAMS 7-28-23  
 DESIGNED BY: DATE  
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 L. ADAMS 7-28-23  
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**CITY OF KIRKLAND**  
 NMC0062121 - DESIGN SERVICES  
 2021 NEIGHBORHOOD SAFETY PROGRAM  
**NSP 2021 SITE 1 - 132ND AVE NE & NE 129TH PL**  
 EXISTING CONDITIONS TESC AND DEMO PLAN

SHEET:  
**4 OF 15**  
 SCALE:  
 1"=20'  
 FILENAME:  
 C23155C-2021-ER-PL.DWG



CONTRACTOR TO USE EXISTING CITY CONDUIT TO RUN CONNECTION FROM PROPOSED RRFB TO EX. CITY SERVICE CABINET. APPROX. 500 FEET. CONTRACTOR TO PROVIDE ALL CABLE, BREAKERS ETC. FOR THE COMPLETED CONNECTION.



**NOTES**

1. PRESERVE EXISTING CHANNELIZATION MARKINGS NOT INDICATED FOR REMOVAL.
2. CURB RAMP DESIGN AND EXTENTS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD FIT CURB RAMPS TO MATCH EXISTING ELEVATIONS AND COMPLY WITH WSDOT CURB RAMP STANDARD PLANS.
3. CONTRACTOR SHALL RESTORE EXISTING LANDSCAPING DISTURBED DURING CONSTRUCTION.
4. CONTRACTOR SHALL PROTECT EXISTING TREES DURING CONSTRUCTION.
5. RUNNING AND CROSS SLOPES OF ALL RAMPS FLARES SHALL MEET ADA REQUIREMENTS.
6. EXISTING SIDEWALK PANELS SHALL BE REPLACED TO SAME ELEVATIONS AND SLOPES, MEETING ADA STANDARDS. SEE ADA RAMP NOTES .

**CONSTRUCTION NOTES**

- ① RESTORE ASPHALT PAVEMENT PER COK STD PLAN CK-R.12.
- ② CONSTRUCT CEMENT CONCRETE SIDEWALK FLUSH TO EXISTING HMA PAVEMENT SURFACE WITH MAX SLOPE OF 2.0% IN ANY DIRECTION.
- ③ CONSTRUCT TYPE A CEMENT CONCRETE CURB AND GUTTER PER COK STD PLAN CK-R.17.
- ④ CONNECT TO EXISTING POWER STRUCTURE. RISER CONDUIT INSTALLATION IF REQUIRED SHALL BE PER PSE STANDARDS.
- ⑤ CONSTRUCT WSDOT PARALLEL CURB RAMP PER STD PLAN F-40.12-03.
- ⑦ PAINT MEDIAN CURB YELLOW WITH REFLECTIVE GLASS BEADING PER COK PRE-APPROVED POLICY R-3.
- ⑧ CONSTRUCT MEDIAN WITH STAMP CEMENT CONCRETE WITH BRICK PATTERN PER COK STD PLAN XYZ. SEE DETAIL ON SHEET 12.
- ⑨ INSTALL TYPE-2Y RAISED PAVEMENT MARKER PER COK PRE-APPROVED POLICY R-3.
- ⑩ INSTALL PEDESTRIAN CROSSING SIGN (W11-2) WITH "AHEAD" PLAQUE (W16-9P) ON POST PER COK STD PLAN CK-R.43 LOCATED 100' BEFORE CROSSWALK SIGNAGE. DO NOT LOCATE SIGNS WITHIN 20 FEET OF A DRIVEWAY, WITHIN SIDEWALK AREA, OR IN A LOCATION THAT IS OBSTRUCTED BY EXISTING TREES, UTILITIES, SIGNS, OR OTHER OBJECTS. VERIFY LOCATION WITH ENGINEER PRIOR TO CONSTRUCTION.
- ⑪ INSTALL CROSSWALK AND RPMS PER COK STD PLAN CK-R.28A.
- ⑫ INSTALL TRUNCATED DOME TACTILE WARNING SURFACE PER WSDOT DTL F-45.10-04.
- ⑭ INSTALL NON-SKID TYPE-1 JUNCTION BOX PER COK SPECIAL PROVISION 8-20.3(6) AND COK PRE-APPROVED POLICY G-2.
- ⑮ INSTALL BREAKAWAY RRFB POLE WITH 6" BASE IN PROPOSED PED CURB PER DETAILS ON SHEET NO. 11.
- ⑯ INSTALL "TRAFFIC REVISION AHEAD" SIGN ON 4"x4" WOOD POST. BURY IN GROUND. BAG SIGN UNTIL IMPROVEMENTS CONSTRUCTED. CONTRACTOR TO REMOVE SIGN SIX WEEKS AFTER IMPROVEMENTS OPEN TO TRAFFIC. LOCATE 200' BEFORE IMPROVEMENTS. DO NOT LOCATE SIGNS WITHIN 20 FEET OF A DRIVEWAY, WITHIN SIDEWALK AREA, OR IN A LOCATION THAT IS OBSTRUCTED BY EXISTING TREES, UTILITIES, SIGNS, OR OTHER OBJECTS. VERIFY LOCATION WITH ENGINEER PRIOR TO CONSTRUCTION.
- ⑰ RESTORE CHANNELIZATION DISTURBED BY IMPROVEMENTS. REPLACE EXISTING IN-KIND WITH MATERIAL TYPE AND SIZE.
- ⑱ INSTALL/REPOSITION BLOCK WALL.
- ⑳ INSTALL SIGN PER COK STD PLAN CK-R.43 WITH PEDESTRIAN WARNING SIGN (W11-2), AND DOWNWARD DIAGONAL ARROW PANEL (W16-7P).
- ㉗ PROVIDE NEW YELLOW STRIPE TO BORDER MEDIAN ISLAND. PROVIDE 2' GAP BETWEEN CROSSWALK STRIPING BEFORE CONTINUING.

**ADA RAMP NOTES**

- A) MINIMUM 4'x4' LANDING NOT TO EXCEED 2% RUNNING OR CROSS SLOPE.
- B) ALL SIDEWALK RAMPS SHALL NOT EXCEED 8.33% WITH 2% MAX CROSS SLOPE. UNLESS OTHERWISE NOTED.
  1. ALL SIDEWALKS SHALL NOT EXCEED 2% CROSS SLOPE.
  2. ALL CURB ELEVATION AT FLOWLINE UNLESS OTHERWISE NOTED.
  3. GB: GRADE BREAK  
TC: TOP OF CURB  
BC: BOTTOM OF CURB  
FL: FLOWLINE  
MG: MATCH EXISTING GRADE
  4. CENTER OF RRFB BUTTON SHALL BE 42" ABOVE FINISHED GRADE UNLESS OTHERWISE SPECIFIED. RRFB BUTTON SHALL BE LOCATED WITHIN 9" OF LANDING AND ORIENTATED IN THE DIRECTION OF TRAVEL.

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 123 FIFTH AVENUE KIRKLAND, WA 98033  
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NO.	DATE	BY	APPR.	REVISION

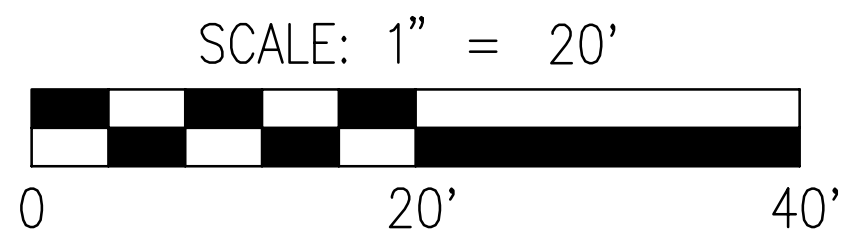
APPROVED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

L. ADAMS	7-28-23
DESIGNED BY:	DATE
B. NELSON	7-28-23
DRAWN BY:	DATE
L. ADAMS	7-28-23
CHECKED BY:	DATE

**CITY OF KIRKLAND**  
 NMC0062121 - DESIGN SERVICES  
 2021 NEIGHBORHOOD SAFETY PROGRAM  
**NSP 2021 SITE 1 - 132ND AVE NE & NE 129TH PL**  
 PAVING PLAN

SHEET:	<b>5</b> OF <b>15</b>
SCALE:	1"=20'
FILENAME:	C23155C-2021-PV-PL.DWG

CONTRACTOR TO USE EXISTING CITY CONDUIT TO RUN CONNECTION FROM PROPOSED RRFB TO EX. CITY SERVICE CABINET. APPROX. 500 FEET. CONTRACTOR TO PROVIDE ALL CABLE, BREAKERS ETC. FOR THE COMPLETED CONNECTION. BREAKER SHALL BE 20A-1P-120V.



### WIRE/CONDUIT SCHEDULE

RUN	CONDUIT TYPE	CONTROLS	FEEDER	RECEPTACLE	LIGHTING	SIGN CIRCUIT 120V	NOTES
1	(1) EXISTING CONDUIT					L1,N,G (3) #6 AWG STRANDED CU USE-2	(1) SPARE CONDUIT WITH PULL ROPE
2	(2) 2" SCHED 40	(1) 8C #18 BELDEN 28601A (1) 4C #18 AWG SHIELDED IMSA(600V) (1) #14 CU STRANDED GND USE-2				L1,N,G (3) #6 AWG STRANDED CU USE-2	(1) SPARE CONDUIT WITH PULL ROPE
3	(2) 2" SCHED 80 CONCRETE ENCASED	(1) 8C #18 BELDEN 28601A (1) 4C #18 AWG SHIELDED IMSA(600V) (1) #14 CU STRANDED GND USE-2					(1) SPARE CONDUIT WITH PULL ROPE
4	(2) 2" SCHED 40	(1) 8C #18 BELDEN 28601A (1) 4C #18 AWG SHIELDED IMSA(600V) (1) #14 CU STRANDED GND USE-2					(1) SPARE CONDUIT WITH PULL ROPE

13101  
NE 132ND ST  
PN. 2826059073

13203  
NE 130TH PL  
PN. 8663400150

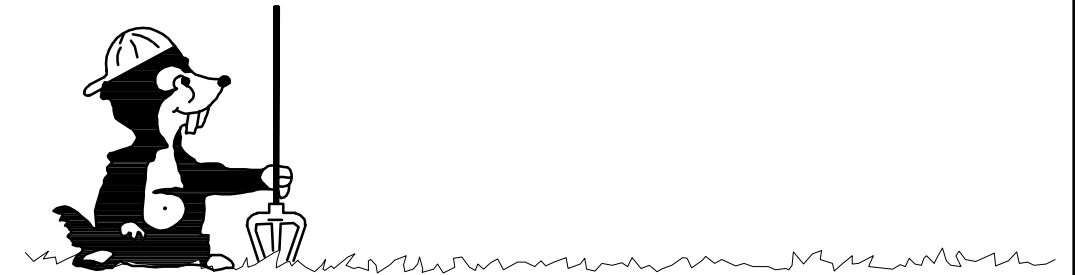
13209  
NE 130TH PL  
PN. 8663400140

CHAD LLC  
PN. 2726059060

132ND AVE NE



EXPIRES: 06/05/2025  
08/02/2024  
Firm License Number: 2202  
VSE Project Number: U5038-0131-241

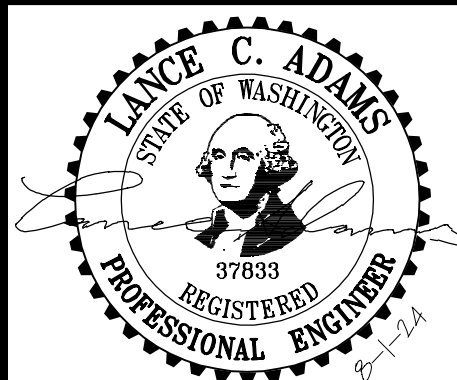


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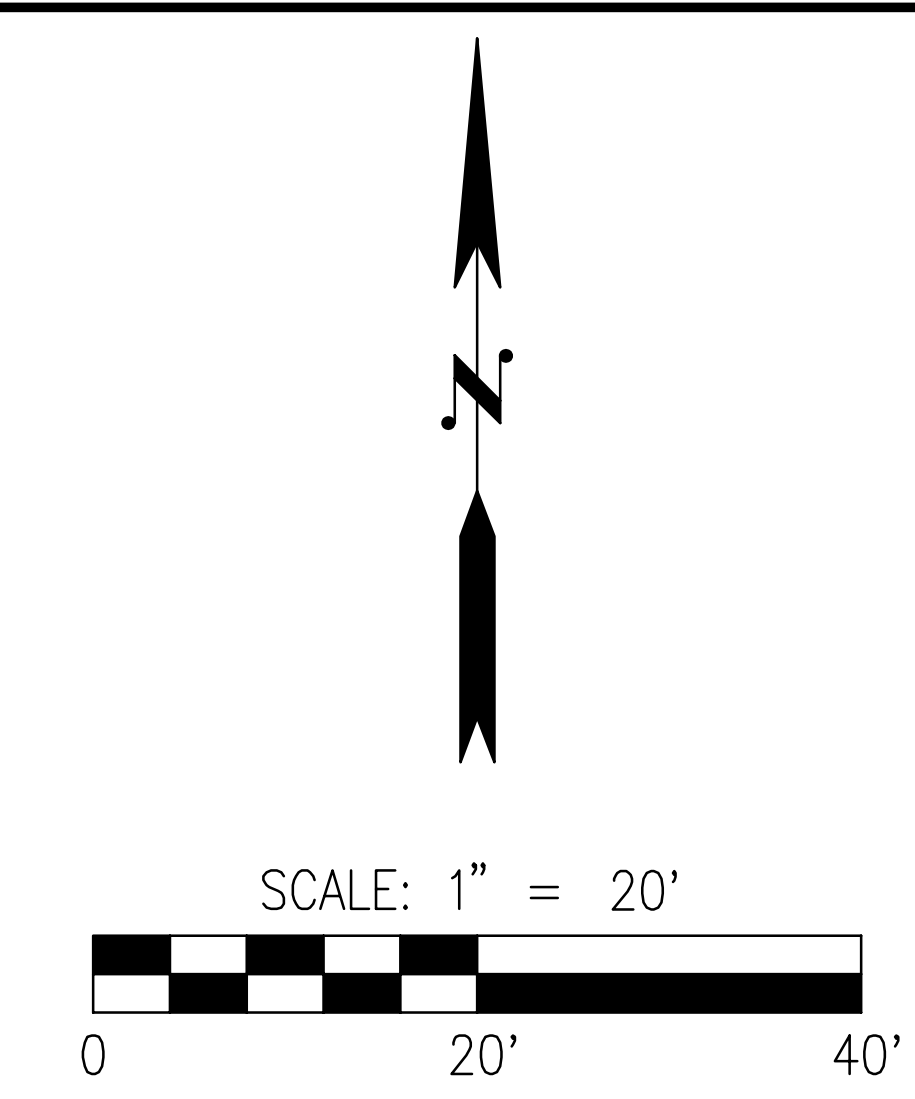
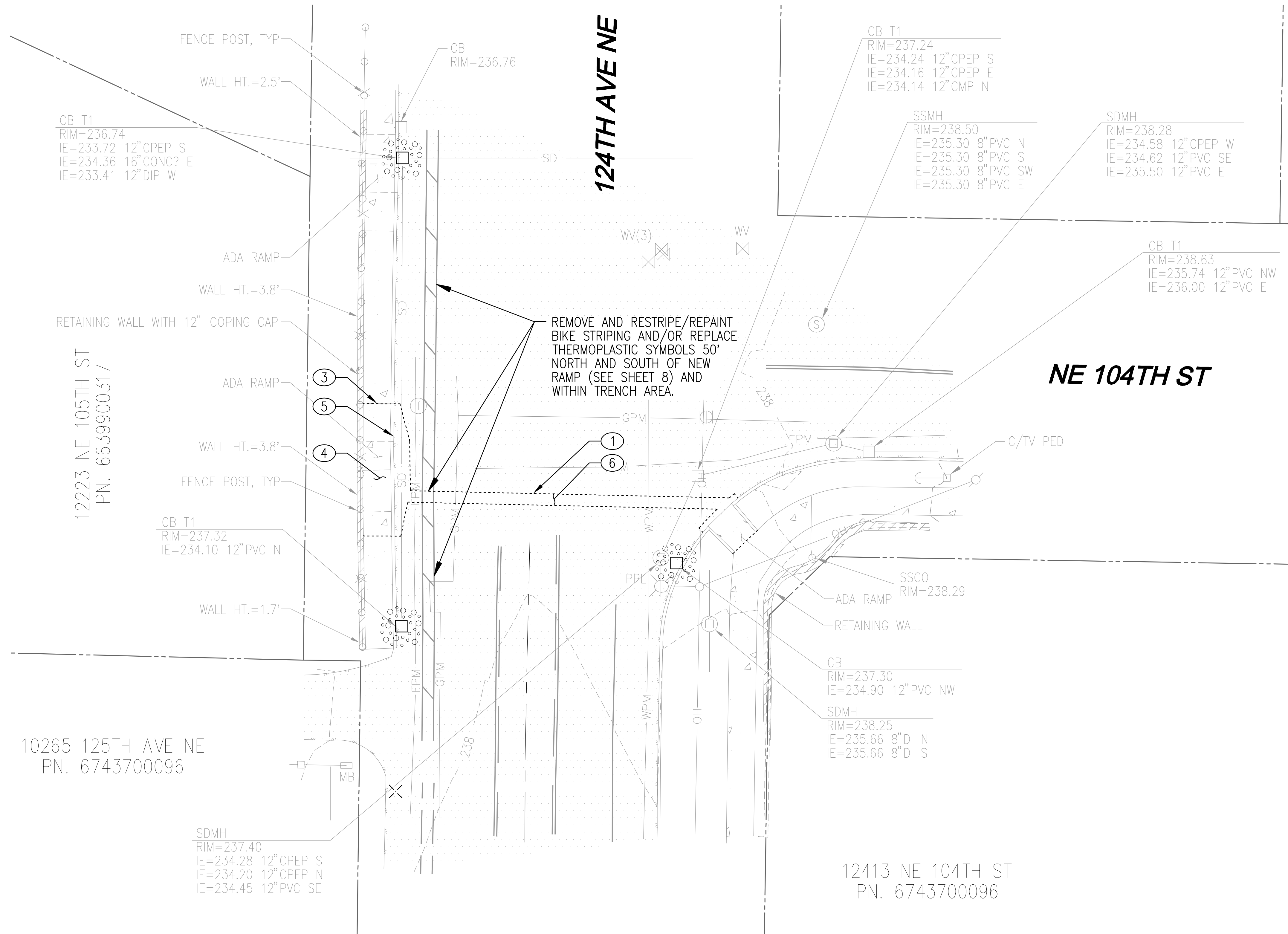


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**CITY OF KIRKLAND**  
NMC0062121 - DESIGN SERVICES  
2021 NEIGHBORHOOD SAFETY PROGRAM  
**NSP 2021 SITE 1 - 132ND AVE NE & NE 129TH PL**  
ELECTRICAL SCHEDULE

SHEET:  
**6 OF 15**  
SCALE:  
1"=20'  
FILENAME:  
C23155C-2021-EL-PL.DWG



**LEGEND**

- SAWCUT
- CATCH BASIN PROTECTION

**REMOVAL NOTES**

- ① SAWCUT EXISTING HMA PAVEMENT TO FULL DEPTH.
- ③ SAWCUT EXISTING CEMENT CONCRETE TO FULL DEPTH.
- ④ REMOVE EXISTING CEMENT CONCRETE SIDEWALK.
- ⑤ REMOVE EXISTING CEMENT CONCRETE CURB AND GUTTER.
- ⑥ SAWCUT TRENCH FOR INSTALLATION OF CONDUIT, MIN 2' BEYOND EDGE OF TRENCH.

**NOTE**

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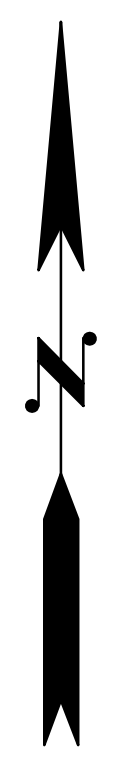
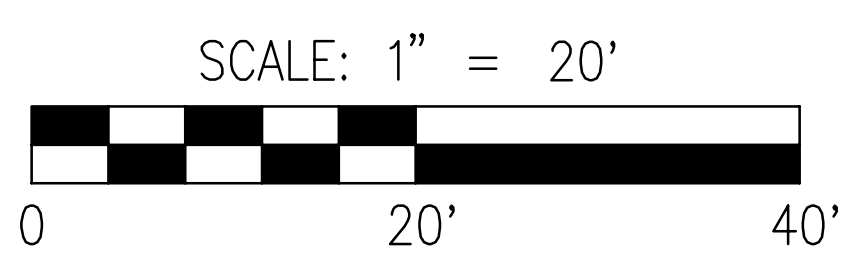
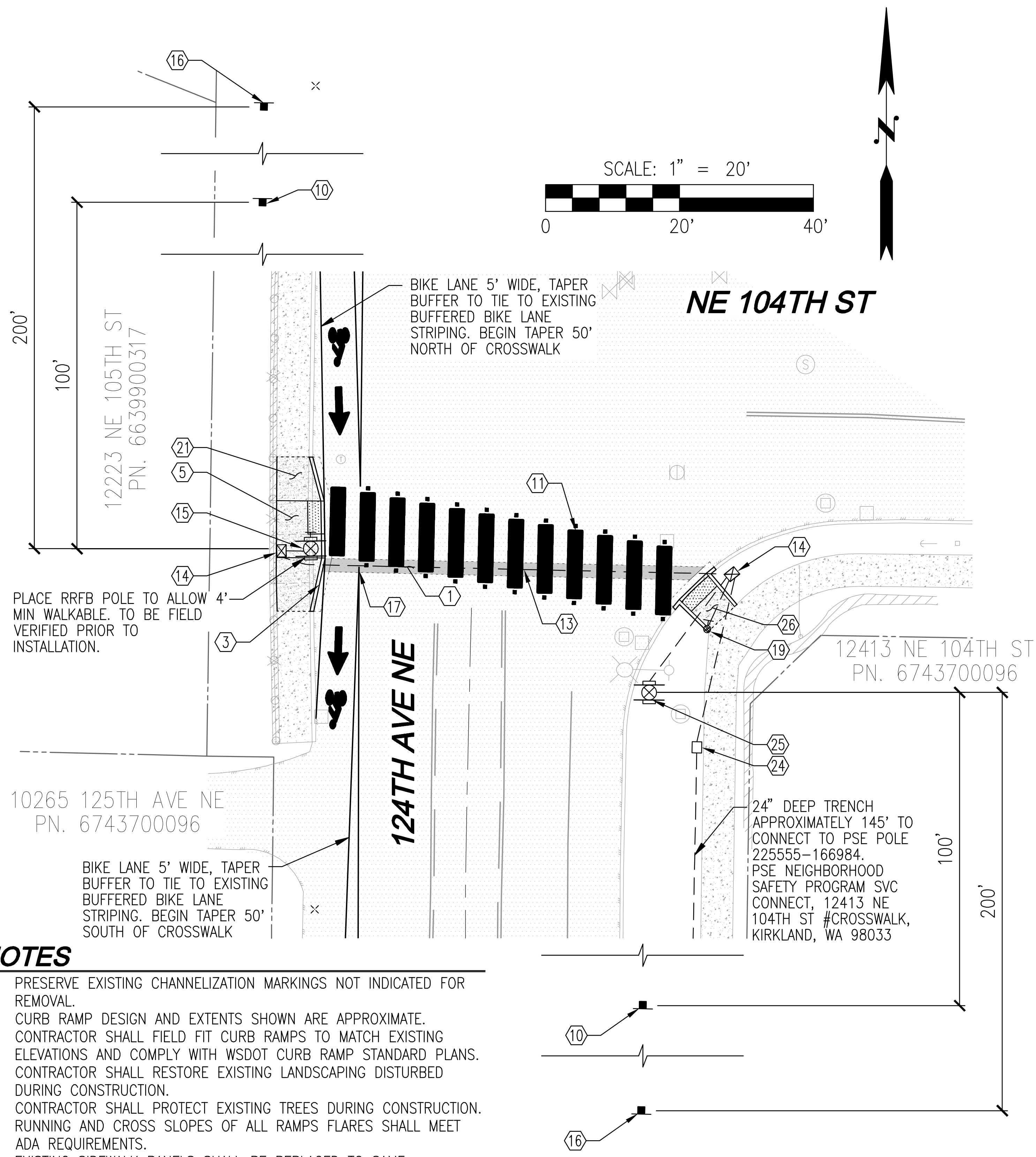
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**CITY OF KIRKLAND**  
 NMC0062121 - DESIGN SERVICES  
 2021 NEIGHBORHOOD SAFETY PROGRAM  
**NSP 2021 SITE 2 - 124TH AVE NE & NE 104TH ST**  
 EXISTING CONDITIONS TESC AND DEMO PLAN

SHEET:  
**7 OF 15**  
 SCALE:  
 1"=20'  
 FILENAME:  
 C23155C-2021-ER-PL.DWG





**NOTES**

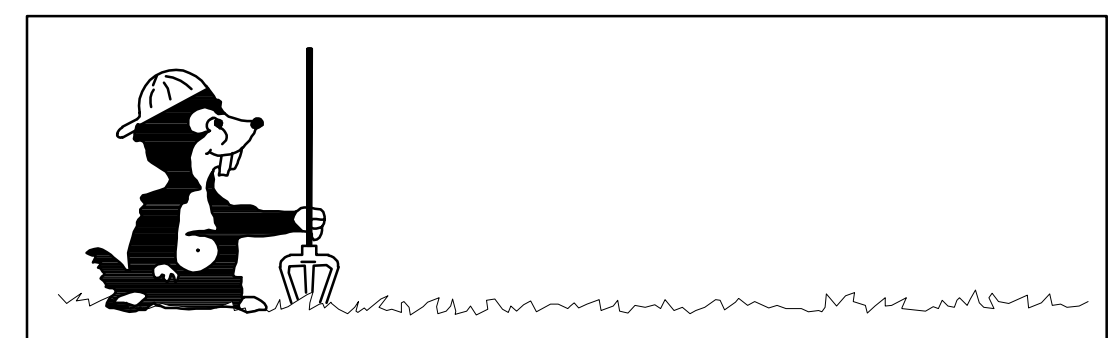
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3. CONTRACTOR SHALL RESTORE EXISTING LANDSCAPING DISTURBED DURING CONSTRUCTION.
4. CONTRACTOR SHALL PROTECT EXISTING TREES DURING CONSTRUCTION.
5. RUNNING AND CROSS SLOPES OF ALL RAMPS FLARES SHALL MEET ADA REQUIREMENTS.
6. EXISTING SIDEWALK PANELS SHALL BE REPLACED TO SAME ELEVATIONS AND SLOPES, MEETING ADA STANDARDS. SEE ADA RAMP NOTES .

**CONSTRUCTION NOTES**

- ① RESTORE ASPHALT PAVEMENT PER COK STD PLAN CK-R.12.
- ③ CONSTRUCT TYPE A CEMENT CONCRETE CURB AND GUTTER PER COK STD PLAN CK-R.17.
- ⑤ CONSTRUCT WSDOT PARALLEL CURB RAMP PER STD PLAN F-40.12-03.
- ⑩ INSTALL PEDESTRIAN CROSSING SIGN (W11-2) WITH "AHEAD" PLAQUE (W16-9P) ON POST PER COK STD PLAN CK-R.43 LOCATED 100' BEFORE CROSSWALK SIGNAGE. DO NOT LOCATE SIGNS WITHIN 20 FEET OF A DRIVEWAY, WITHIN SIDEWALK AREA, OR IN A LOCATION THAT IS OBSTRUCTED BY EXISTING TREES, UTILITIES, SIGNS, OR OTHER OBJECTS. VERIFY LOCATION WITH ENGINEER PRIOR TO CONSTRUCTION.
- ⑪ INSTALL CROSSWALK AND RPMS PER COK STD PLAN CK-R.28A.
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- ⑮ INSTALL BREAKAWAY RRFB POLE WITH 6" BASE PER DETAILS ON SHEET NO. 11. POSITION POLE BASE
- ⑯ INSTALL "TRAFFIC REVISION AHEAD" SIGN ON 4"x4" WOOD POST. BURY IN GROUND. BAG SIGN UNTIL IMPROVEMENTS CONSTRUCTED. CONTRACTOR TO REMOVE SIGN SIX WEEKS AFTER IMPROVEMENTS OPEN TO TRAFFIC. LOCATE 200' BEFORE IMPROVEMENTS. DO NOT LOCATE SIGNS WITHIN 20 FEET OF A DRIVEWAY, WITHIN SIDEWALK AREA, OR IN A LOCATION THAT IS OBSTRUCTED BY EXISTING TREES, UTILITIES, SIGNS, OR OTHER OBJECTS. VERIFY LOCATION WITH ENGINEER PRIOR TO CONSTRUCTION.
- ⑰ RESTORE CHANNELIZATION DISTURBED BY IMPROVEMENTS. REPLACE EXISTING IN-KIND WITH MATERIAL TYPE AND SIZE.
- ⑲ INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTON WITH CURB BASE PER WSDOT STD PLAN J-20.15-03 OR PEDESTRIAN PUSHBUTTON WSDOT STD DETAIL IS-1. PPB TO BE LOCATED WITHIN 9" OF LEVEL LANDING AND ORIENTATED IN THE DIRECTION OF TRAVEL.
- ⑳ CONSTRUCT CEMENT CONCRETE SIDEWALK PER COK STD PLAN CK-R.23.
- ㉑ SERVICE CABINET PER CITY OF KIRKLAND STD PLAN CK-TS.10 AND CK-TS.11.
- ㉒ INSTALL BREAKAWAY RRFB POLE WITH 6" POLE BASE PER DETAILS ON SHEET 11. NOTE THAT POLE DOES NOT INCLUDE A PUSH BUTTON, THE PUSH BUTTON TO BE INSTALLED SEPARATELY, SEE NOTE 19.
- ㉓ PERPENDICULAR CURB RAMP PER WSDOT DTL F-40.15-04.

**ADA RAMP NOTES**

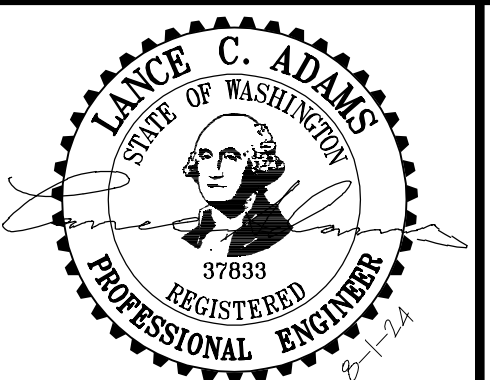
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- B) ALL SIDEWALK RAMPS SHALL NOT EXCEED 8.33% WITH 2% MAX CROSS SLOPE. UNLESS OTHERWISE NOTED.
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  3. GB: GRADE BREAK  
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  4. CENTER OF RRFB BUTTON SHALL BE 42" ABOVE FINISHED GRADE UNLESS OTHERWISE SPECIFIED. RRFB BUTTON SHALL BE LOCATED WITHIN 9" OF LANDING AND ORIENTATED IN THE DIRECTION OF TRAVEL.



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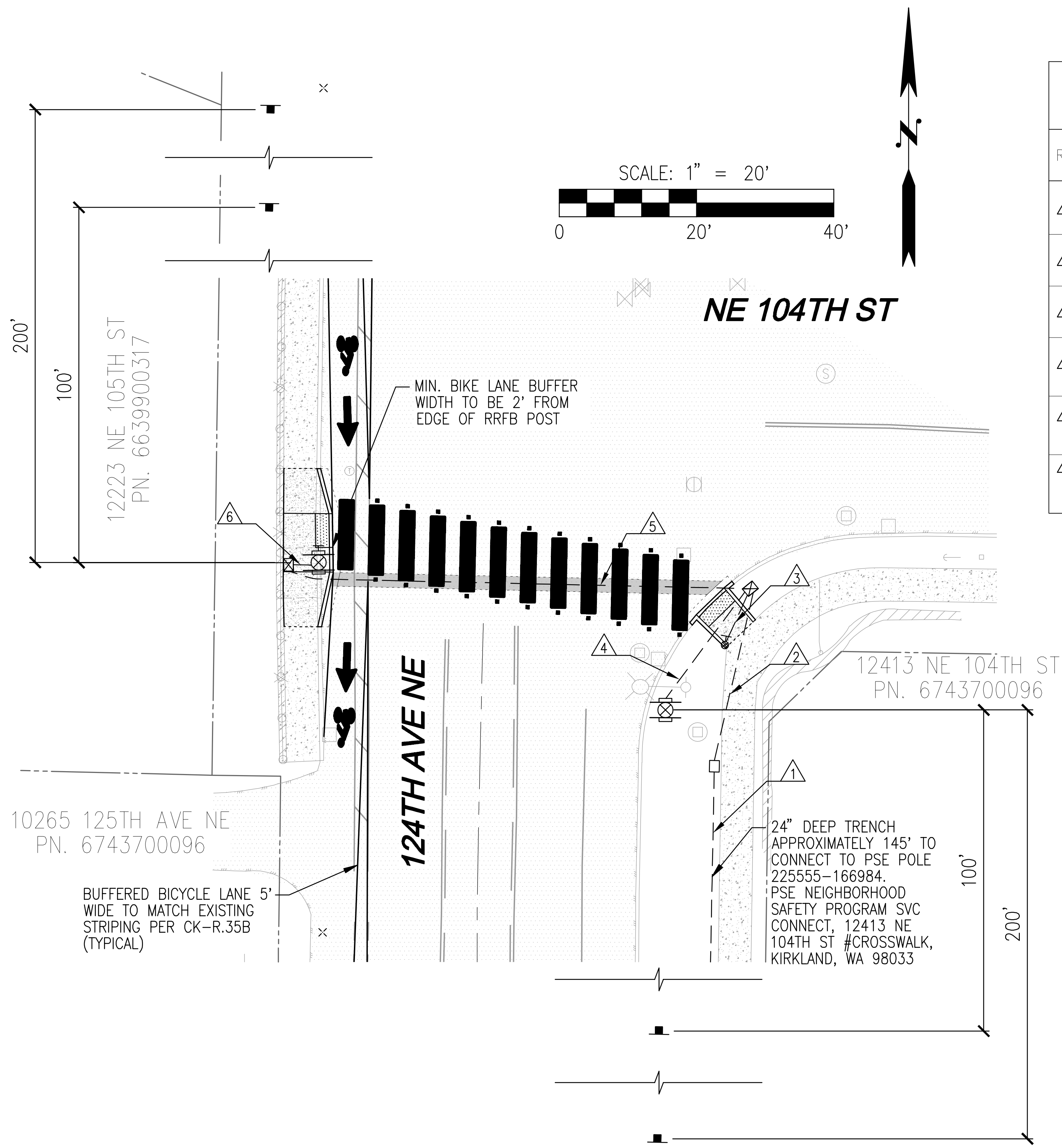


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L. ADAMS	7-28-23
DESIGNED BY:	DATE
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**CITY OF KIRKLAND**  
 NMC0062121 - DESIGN SERVICES  
 2021 NEIGHBORHOOD SAFETY PROGRAM  
**NSP 2021 SITE 2 - 124TH AVE NE & NE 104TH ST**  
 PAVING PLAN

SHEET: **8** OF **15**  
 SCALE: 1"=20'  
 FILENAME: C23155C-2021-PV-PL.DWG



### WIRE/CONDUIT SCHEDULE

RUN	CONDUIT TYPE	CONTROLS	FEEDER	RECEPTACLE	LIGHTING	SIGN CIRCUIT 120V	NOTES
1	(1) 2" SCHED 40		(3) #3 AWG (1) #8 AWG GND STRANDED CU USE-2				
2	(1) 2" SCHED 40					L1,N,G (3) #10 AWG STRANDED CU USE-2	
3	(2) 2" SCHED 40	(2) 8C #18 BELDEN 28601A (1) #14 CU STRANDED GND USE-2					(1) SPARE CONDUIT WITH PULL ROPE
4	(2) 2" SCHED 40	(1) 8C #18 BELDEN 28601A (1) 4C #18 AWG SHIELDED IMSA(600V) (1) #14 CU STRANDED GND USE-2				L1,N,G (3) #10 AWG STRANDED CU USE-2	(1) SPARE CONDUIT WITH PULL ROPE
5	(2) 2" SCHED 80 CONCRETE ENCASED	(1) 8C #18 BELDEN 28601A (1) 4C #18 AWG SHIELDED IMSA(600V) (1) #14 CU STRANDED GND USE-2					(1) SPARE CONDUIT WITH PULL ROPE
6	(2) 2" SCHED 40	(1) 8C #18 BELDEN 28601A (1) 4C #18 AWG SHIELDED IMSA(600V) (1) #14 CU STRANDED GND USE-2					(1) SPARE CONDUIT WITH PULL ROPE

**VECTOR ENGINEERS**  
651 W. GALENA PARK BLVD. STE. 101 DRAPER, UTAH 84020 PHONE (801) 990-1775 WWW.VECTORSE.COM

**ELECTRICAL ONLY**

EXPIRES: 06/05/2025  
 Firm License Number: 2202  
 VSE Project Number: U5038-0131-241

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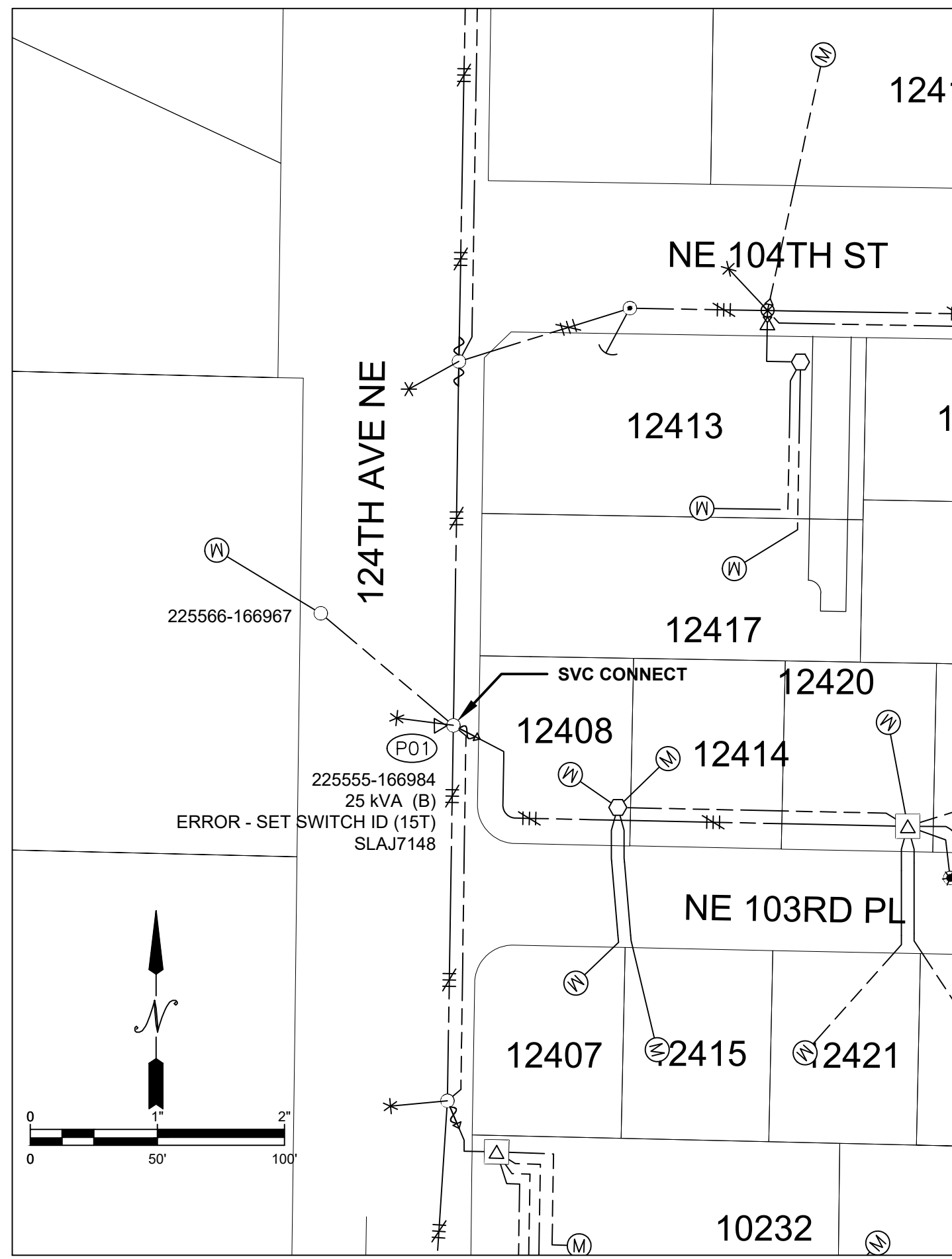
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 2021 NEIGHBORHOOD SAFETY PROGRAM  
**NSP 2021 SITE 2 - 124TH AVE NE & NE 104TH ST**  
*ELECTRICAL SCHEDULE*

SHEET:  
**9 OF 15**

SCALE:  
 1"=20'

FILENAME:  
 C23155C-2021-EL-PL.DWG





SITE PLAN  
SCALE: 1" = 50'

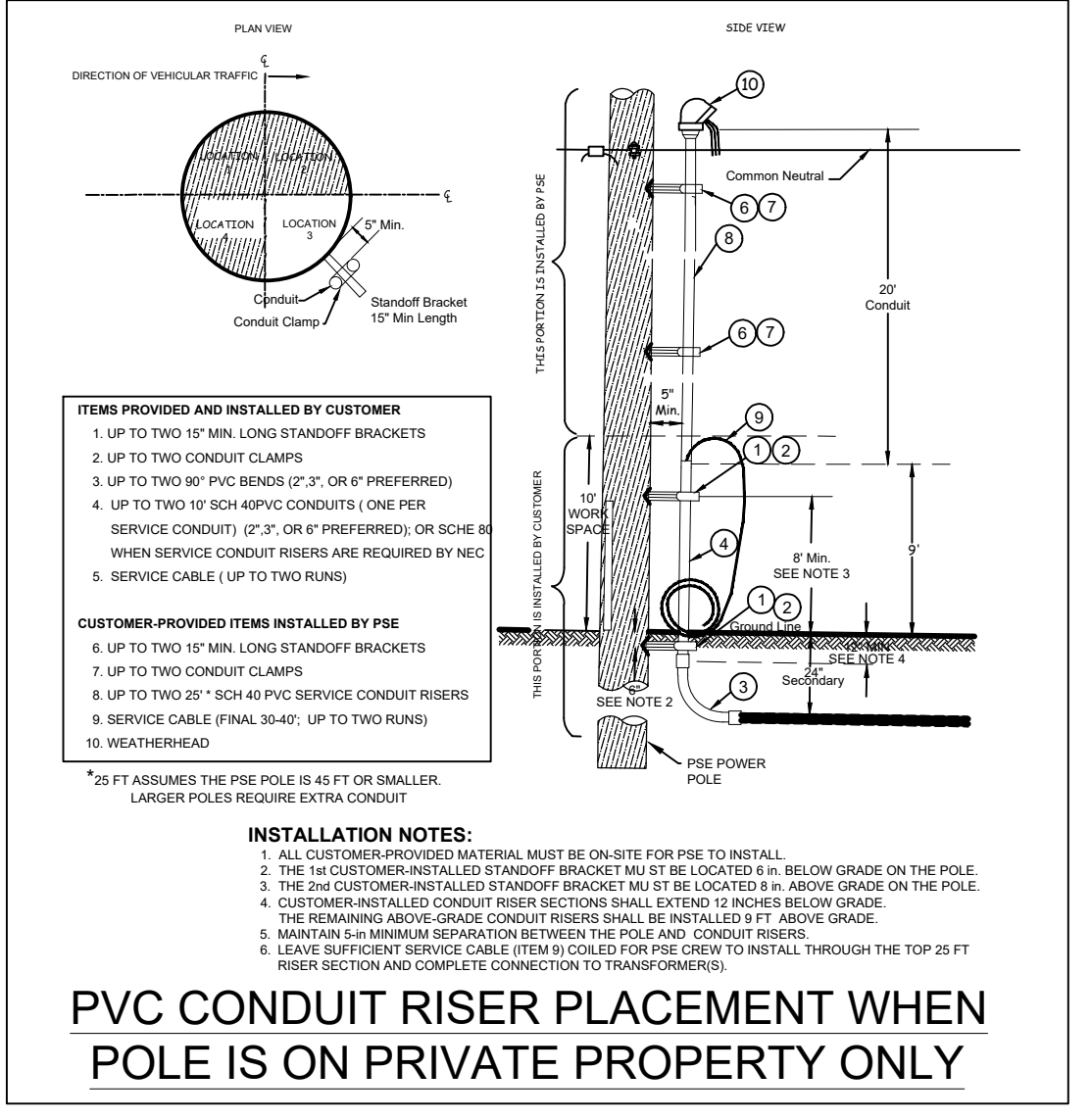
SITE SPECIFIC NOTES

- AT P01: 225555-166984
  - FINISH CUSTOMER OWNED RISER
  - CONNECT (1) RUN OF #2 CU CUSTOMER OWNED SERVICE
- \*\*PSE METER DEPARTMENT TO SET NEW COMMERCIAL METER\*\*

@XFMR (P01)  
 Load: 15 kW  
 LRC: 65 AMPS  
 % V Drop: 0.6%  
 % Flicker: 1.6%

Fault Current

1Ø OH & PM TRANSFORMERS (240/120V)						
Location	SIZE	R/X	(120v) WINDINGS		(240v) WINDINGS	
			Min. %Z	Fault Current	Min. %Z	Fault Current
P01	25 kVA	0.8	2.23	9,300 Amps	1.7	6,100 Amps



PVC CONDUIT RISER PLACEMENT WHEN POLE IS ON PRIVATE PROPERTY ONLY

POWER GENERAL NOTES - COMMERCIAL PROJECT

- All materials to be installed in accordance with Puget Sound Energy's (PSE) standards. Any deviation from this work sketch must be AUTHORIZED by PSE's Project Manager and NOTED on the Foreman's Copy.
- All switching arrangements and/or outage arrangements are to be made with the Project Manager at least three (3) working days in advance.
- Contact the Utilities Underground Location Center (1-800-424-5555) at least 48 hours prior to commencing work to get the underground facilities located.
- STAKING: The customer will provide all staking (transformer, handhole, trench, grade, lot, pole, sidewalk, etc.). See sketch and details for locations. Equipment locations must be approved by the Project Manager.
- SITE PREPARATION: The work area will be at or near finished grade, clear of trench spoils or construction materials which would restrict construction and/or equipment access, before work can begin.
- Roads shall be paved or have a compacted, crushed rock base in place.
- CLEARANCES: Transformers require a minimum of 6 feet from fire fighting equipment, 10 feet from combustible walls, overhangs, doors, and windows, and a minimum of 5 feet from the back of curb (or guard posts will be required per PSE standards). All conduits and vaults are to be at least 5 feet away from water, storm and sewer lines when paralleling them in the right of way, and at least 1 foot when crossing them.
- All work is to be done in accordance with local municipal and county permit requirements as applicable.
- Customer/Developer is responsible to provide, install and maintain all secondary service cables, conduits and crossings from the individual unit's meter base to the designated connection point.
- Inclement weather conditions may cause delays in construction times and dates.
- EXCAVATION: The customer is to provide all trenching, backfill, vault excavations, compaction and restoration per this sketch and per PSE standards. A minimum protective cover of 36" is required over PSE's primary voltage equipment and 24" is required of PSE's secondary voltage equipment. The customer will provide any and all shoring or they will side slope the trench to 1:1.

**EROSION & SEDIMENT CONTROL REQUIREMENTS**  
 EROSION & SEDIMENT CONTROL SHALL BE PER PSE STANDARD PRACTICE 0150.3200 TECHNIQUES FOR TEMPORARY EROSION & SEDIMENT CONTROL & ANY ADDITIONAL LOCAL JURISDICTION REQUIREMENTS (LOCAL JURISDICTIONS MAY HAVE ADDITIONAL REQUIREMENTS INCLUDING NOTES DETAILING WHERE EROSION OR SEDIMENT CONTROL STRUCTURES ARE TO BE INSTALLED, CROSS SECTION DETAILS OF THE TYPICAL EROSION STRUCTURES, & SPECIAL REQUIREMENTS FOR WORK IN SENSITIVE AREAS.)

**FOREMAN (CHECK BOX WHEN COMPLETED)**

PSE Equipment LOCKED/SECURED & Work Area left in CLEAN/SAFE Condition.

Grid, Cable, and Switch numbers INSTALLED & VERIFIED.

Field Changes RED-LINED on As-built.

Material VERIFIED and CHANGES noted on Paperwork.

Total PRIMARY Cable noted on As-built.

Company ID#s RECORDED in correct location on As-built.

Indicate correct FUSE SIZE on As-built & VERIFY proper PHASE.

Deviations noted on the As-built and their reason.

I certify that the work performed meets PSE's standards and procedures and that all quality requirements are met.

Foreman's Signature \_\_\_\_\_ Date \_\_\_\_\_

Print Name \_\_\_\_\_ Date \_\_\_\_\_

**Vicinity Map**  
TG PG 536-G1

**Coordinate**  
47.6927, -122.1755

**Owner / Developer Contact Info**

CITY OF KIRKLAND  
 123 5th Ave  
 KIRKLAND, WA 98033  
 ATTN: ALEJANDRO TRUJILLO 425-587-3817 office

For contacts below dial 1-888-CALL PSE (225-5773)

PROJECT PHASE	NOTIF#	ORDER#
PWR	Superior	514454203
		104358654

**Project Manager Contact Information:**

Manager: ABDUL KAMEL  
 Cell Phone: 425-748-6382  
 E-Mail: abdul.kamel@pse.com

Outages Required*	Developer	Yes	No	Yes	No	PSE
"Outages Required"		No	No	No	X	
"Flagging Required"		Yes	No	X		

CALL 811 TWO BUSINESS DAYS BEFORE YOU DIG

THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF EXISTING FACILITIES

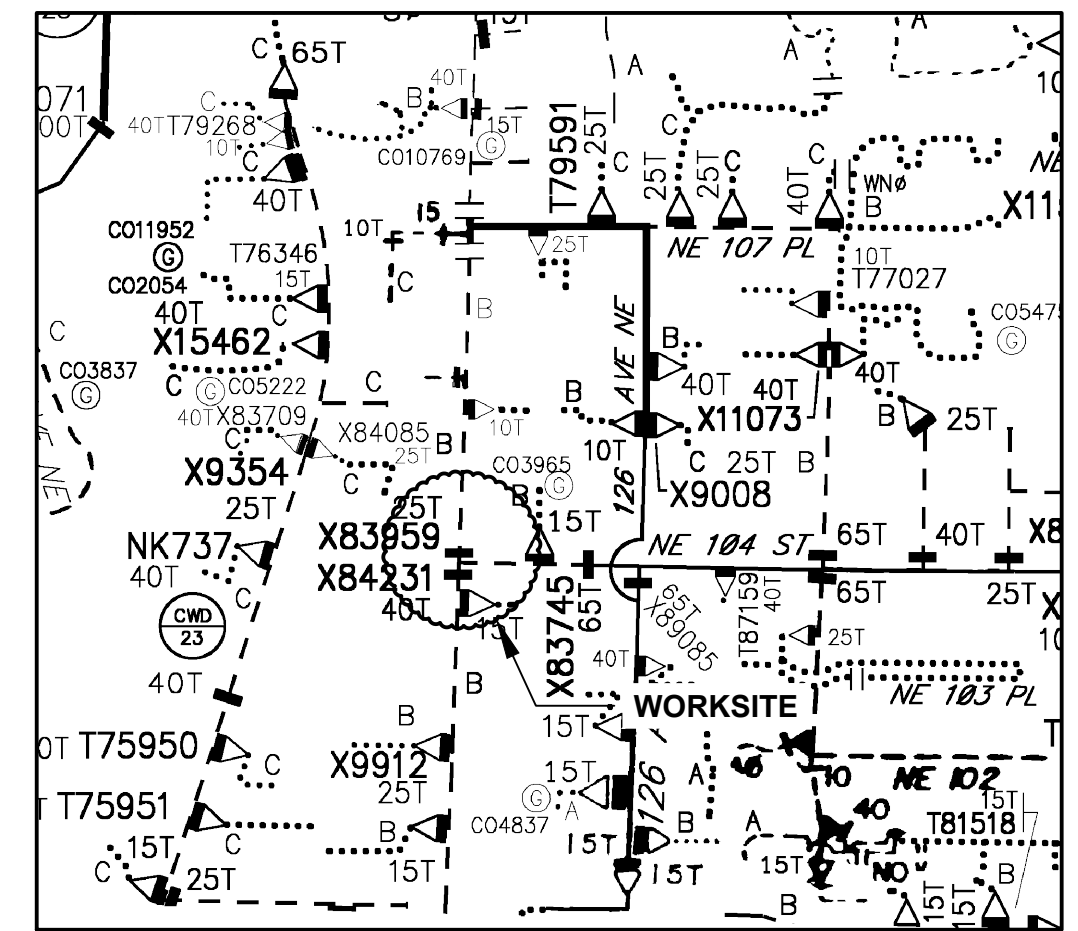
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3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	N/A	N/A	N/A	N/A	A. KAMEL	425-748-6382	01/11/24
1	N/A	N/A	N/A	N/A	D. AGEYEV	253-495-1179	01/11/24

UTILITIES	N/A	N/A	N/A	N/A
CONTACT	N/A	N/A	N/A	N/A
PHONE#	N/A	N/A	N/A	N/A

**PUGET SOUND ENERGY**

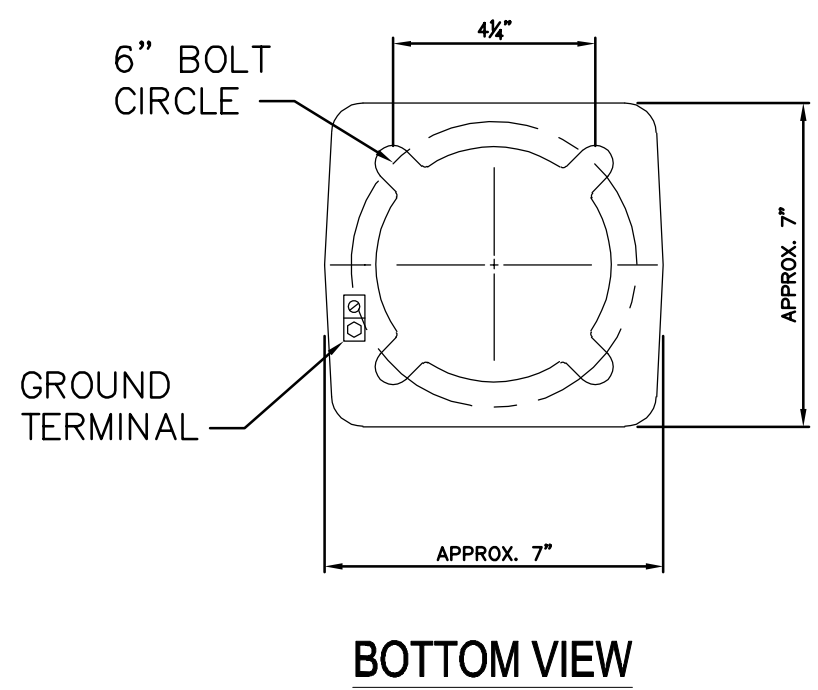
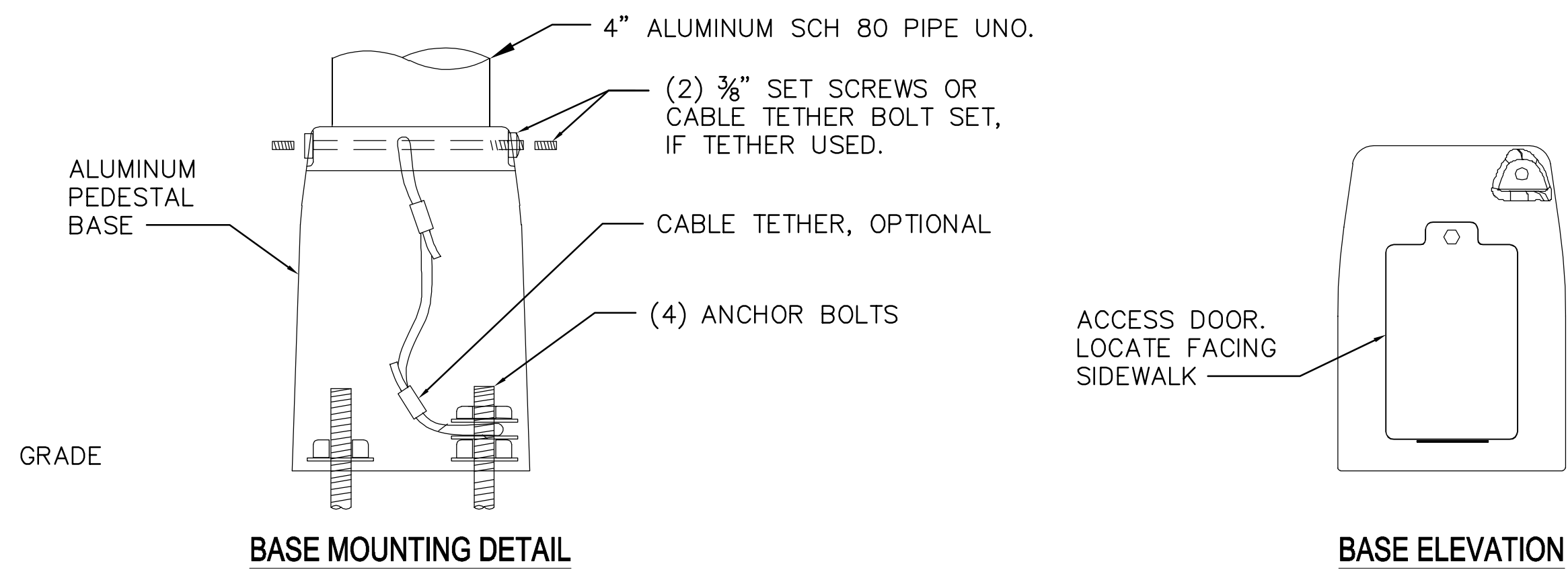
NEIGHBORHOOD SAFETY PROGRAM  
 SVC CONNECT  
 12413 NE 104TH ST #CROSSWALK, KIRKLAND, WA 98033

INCIDENT N/A MAOP N/A  
 Gas Order N/A Elect Order 104358654  
 SCALE AS NOTED PAGE 1/1



OVERHEAD CIRCUIT MAP 2605E132  
SCALE: 6" = 1 MILE



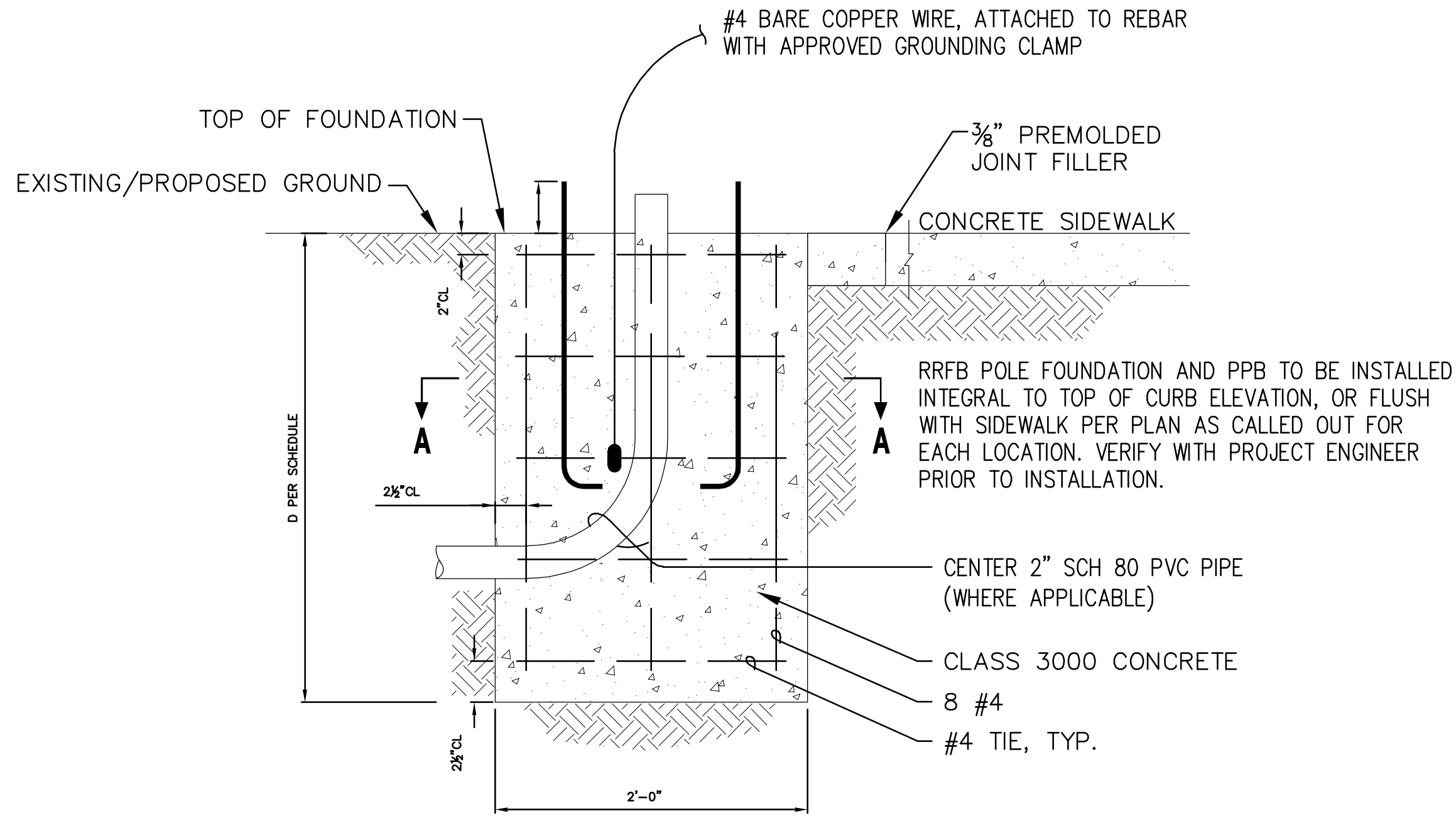


**RRFB PEDESTAL - 6" BOLT CIRCLE**

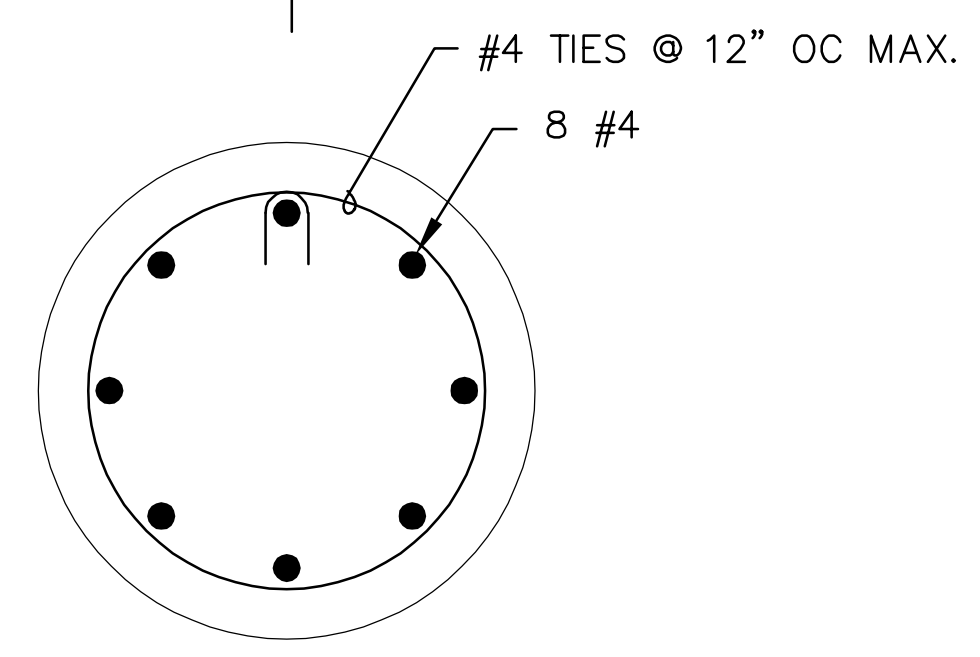
FOUNDATION SCHEDULE		
LOADING AT BASE M	GROUND CONDITION (SEE NOTES)	FOUNDATION DEPTH D
M < 8500 FT-LB	FLAT SLOPED	4'-0"
8500 FT-LB < M < 12,000 FT-LB	FLAT SLOPED	5'-0"
		6'-0"

**NOTES:**

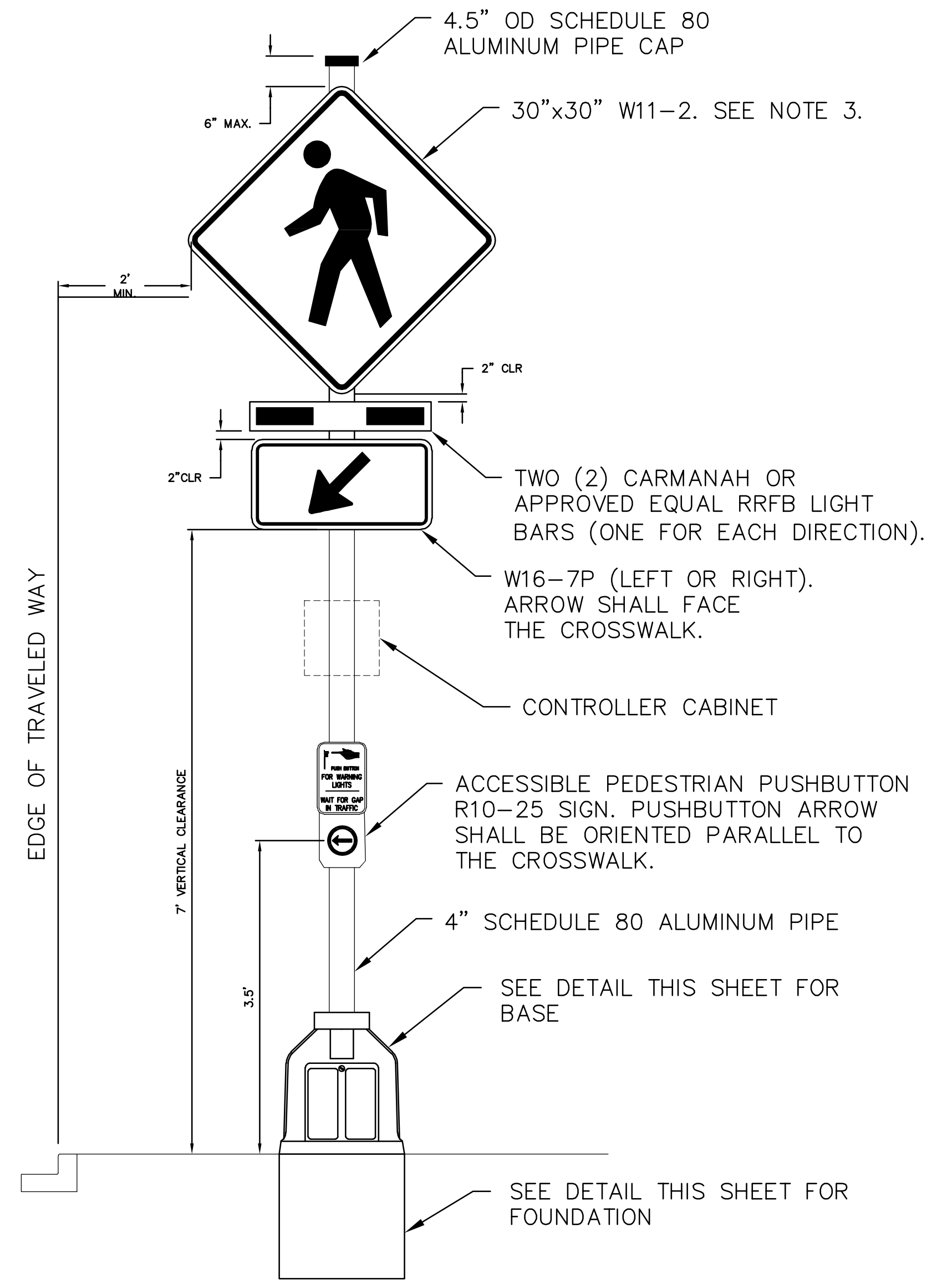
- REFER TO THE SPECIAL PROVISIONS, SECTION 8-20 FOR APPROVED RRFB COMPONENTS, POLE HEIGHT, SIGN SIZES, SHEETING TYPE, AND OTHER DETAILS.
- THE PREFERRED PLACEMENT OF RRFB CONTROLLER CABINET HOUSING THE RRFB CONTROLLER IS BELOW THE W16-7P, OUT OF THE WALKING AREA.
- FOR SCHOOL CROSSINGS, A S1-1 SHALL BE USED INSTEAD OF W11-2.
- THE RRFB BASE AND FOUNDATION SHALL BE LOCATED SO THAT 4' MINIMUM CLEARANCE IS MAINTAINED FOR THE PEDESTRIAN ACCESS ROUTE. SIDEWALK WIDENING MAY BE REQUIRED TO ENSURE MINIMUM CLEARANCE DISTANCE.
- THIS FOUNDATION HAS BEEN DESIGNED ACCORDING TO THE AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, FIRST EDITION, 2015. ULTIMATE WIND SPEED IS 100 MPH.
- FLAT GROUND CONDITION SHALL BE USED IF SLOPE IS 4H:1V OR LESS.
- SLOPED GROUND CONDITION SHALL BE USED IF SLOPE IS GREATER THAN 4H:1V BUT LESS THAN 2H:1V.
- FOUNDATION DEPTHS PROVIDED ASSUME SOIL CAN BE CLASSIFIED AS SAND. FOR PREDOMINATELY CLAY SOILS A PROJECT-SPECIFIC DESIGN WILL BE REQUIRED.
- IF THE LOADING AT THE BASE OF THE POLE IS GREATER THAN 12,000 FT-LB, A PROJECT-SPECIFIC DESIGN WILL BE REQUIRED.
- ALL SIGNS SHALL HAVE ANTI-GRAFFITI COATING. SEE CONTRACT SPECIAL PROVISIONS FOR MORE INFORMATION.
- THE PREFERRED PUSH BUTTON IS THE MOST CURRENT 2-WIRE POLARA INX MODEL, OR APPROVED EQUAL.



**PEDESTAL FOUNDATION**



**FOUNDATION SECTION (A-A)**



**Call 2 Business Days Before You Dig**  
**811 or 1-800-424-5555**  
 Utilities Underground Location Center

**CITY OF KIRKLAND**  
 DEPARTMENT OF PUBLIC WORKS  
 123 FIFTH AVENUE KIRKLAND, WA 98033  
 (425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

APPROVED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

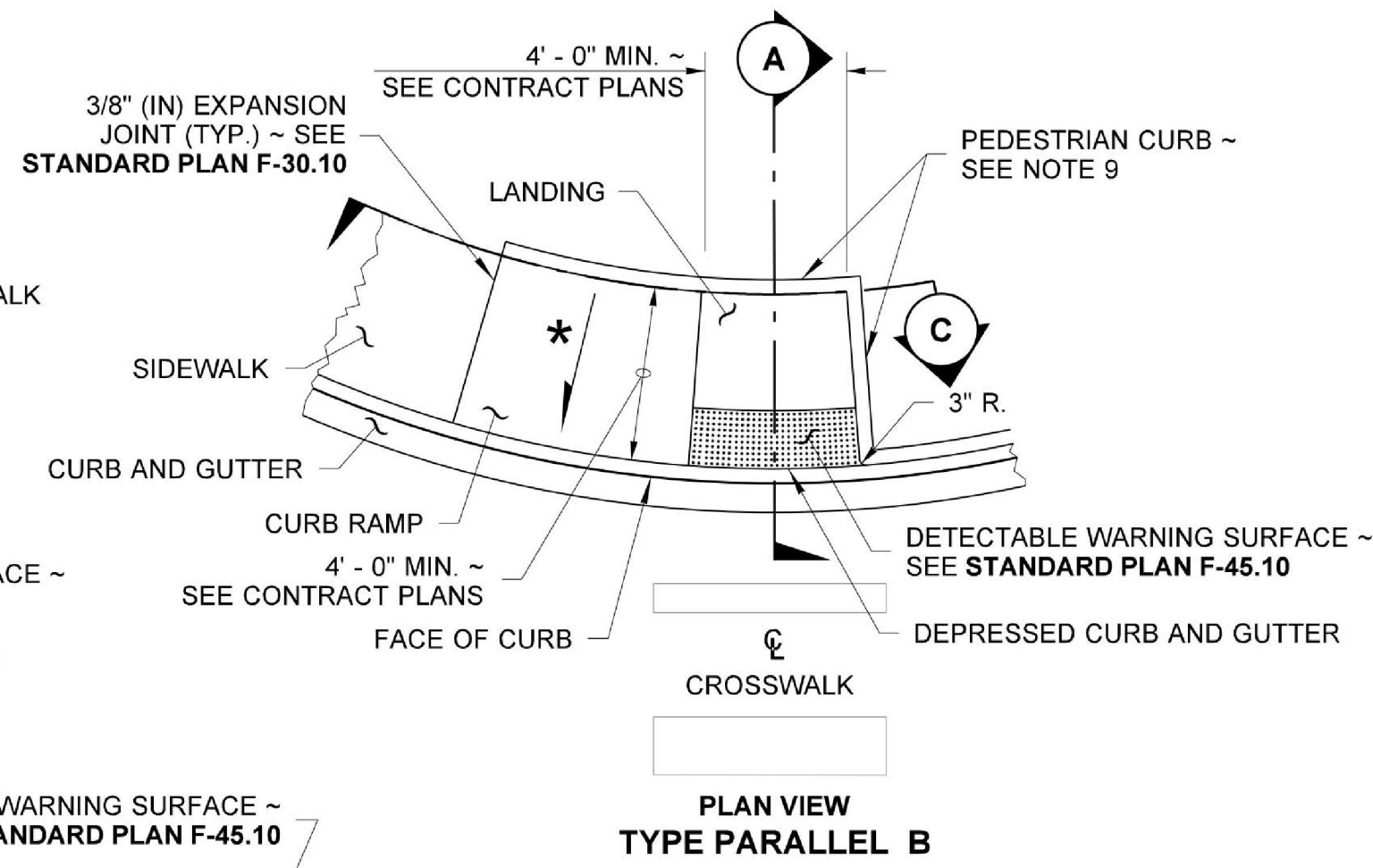
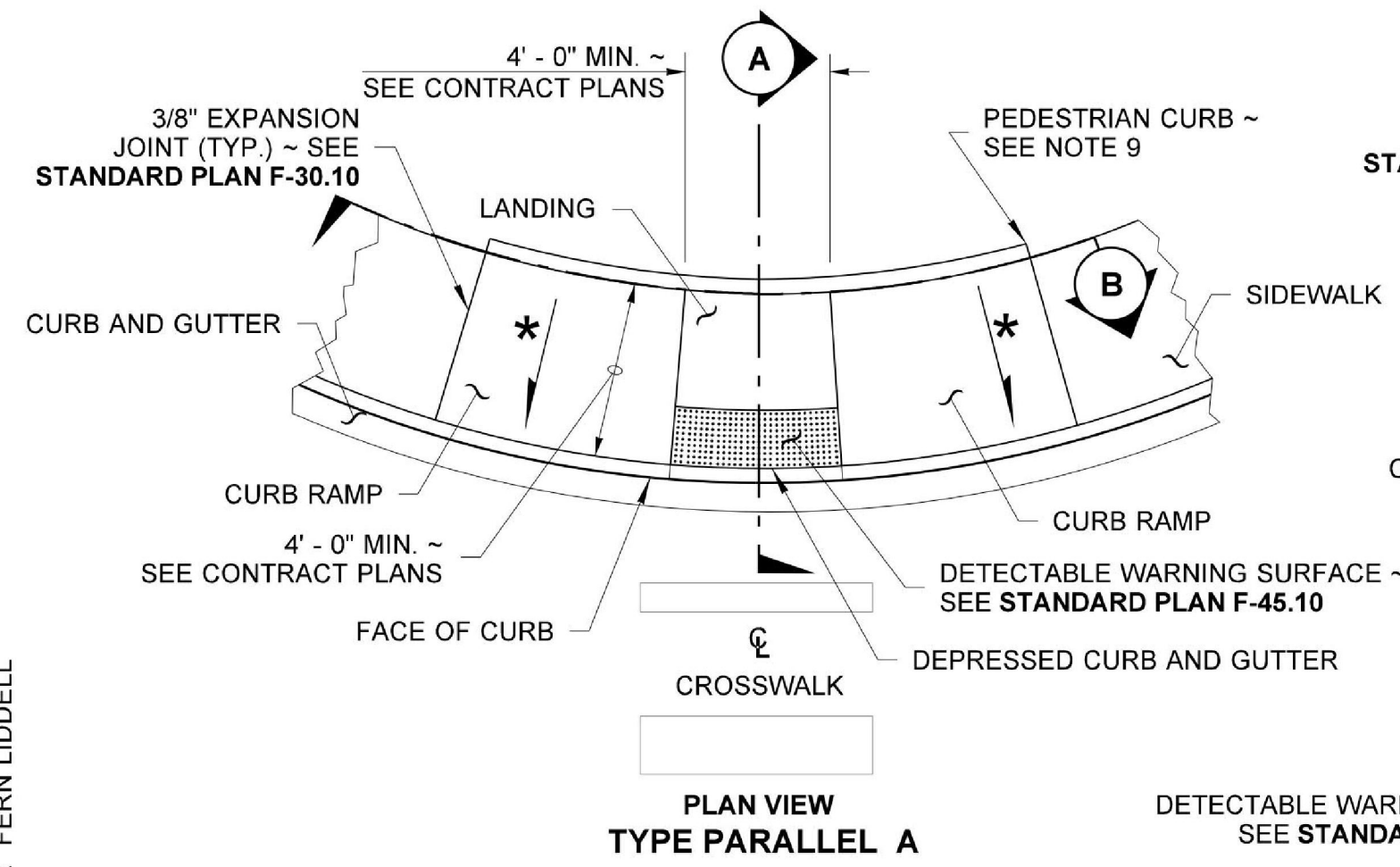
L. ADAMS 7-28-23  
 DESIGNED BY: DATE  
 B. NELSON 7-28-23  
 DRAWN BY: DATE  
 L. ADAMS 7-28-23  
 CHECKED BY: DATE

**CITY OF KIRKLAND**  
 NMC0062121 - DESIGN SERVICES  
 2021 NEIGHBORHOOD SAFETY PROGRAM  
 BREAKAWAY RRFB SHEET

SHEET: **11 OF 15**  
 SCALE: AS NOTED  
 FILENAME: C23155C-2021-DTL.DWG



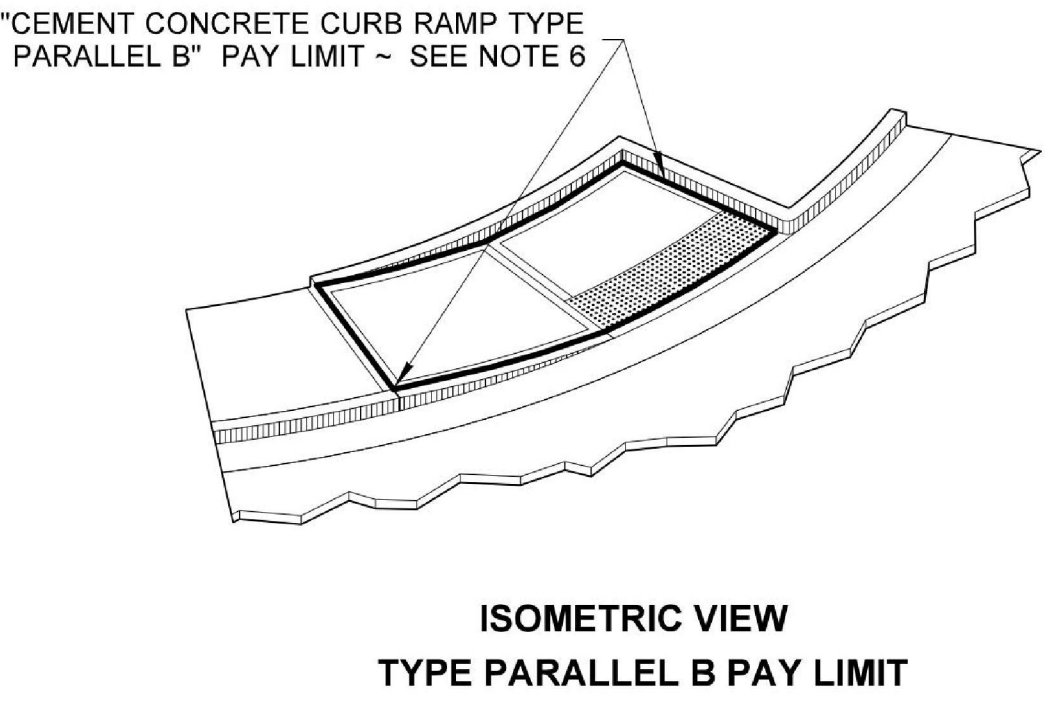
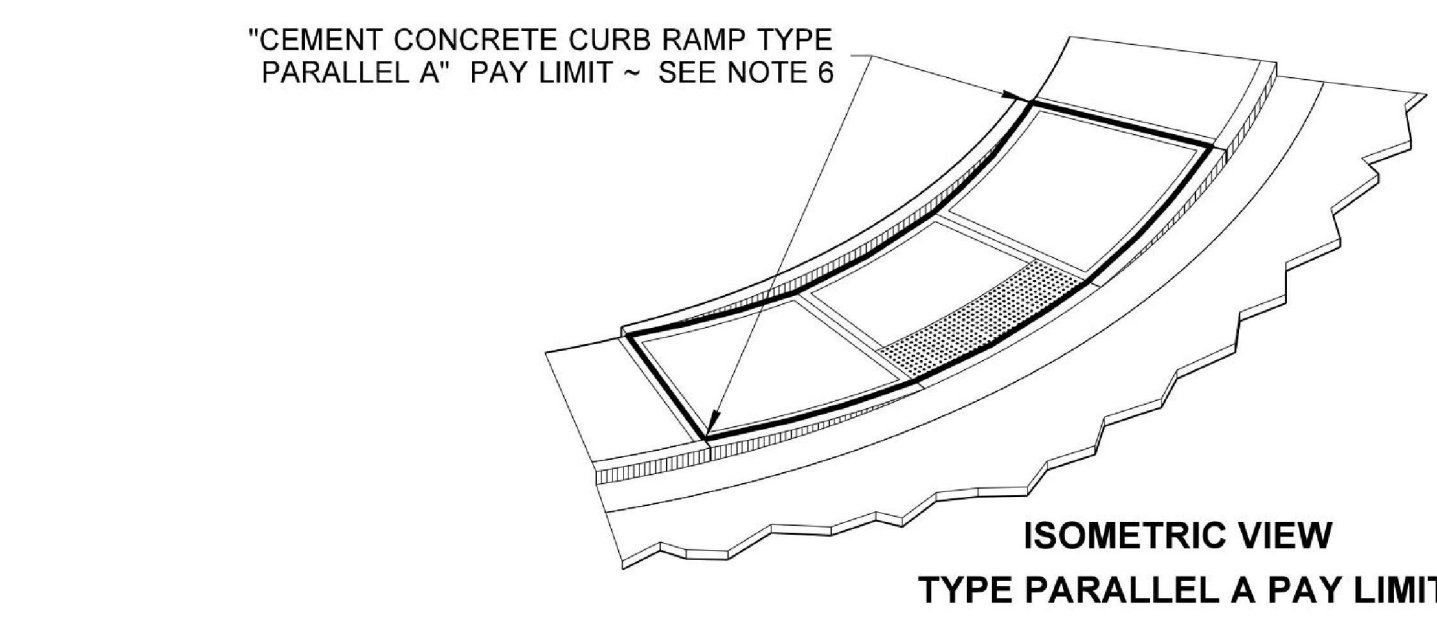
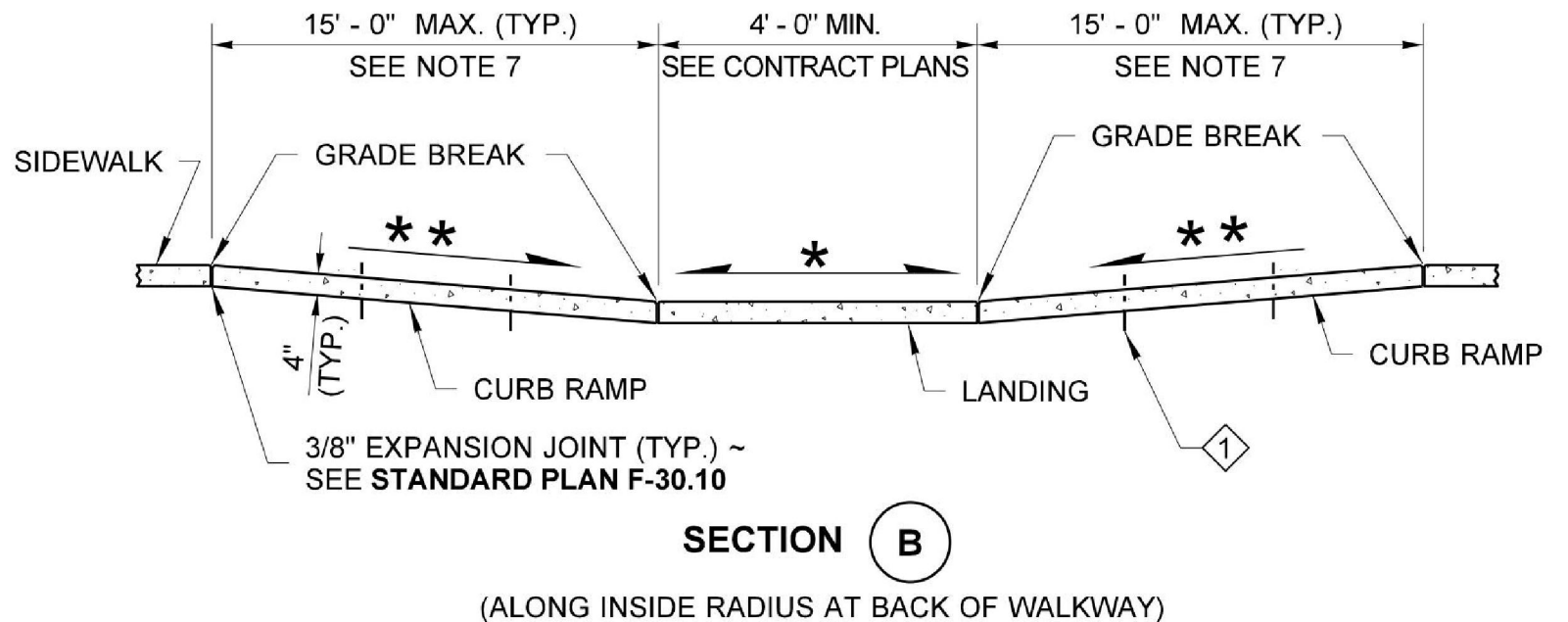
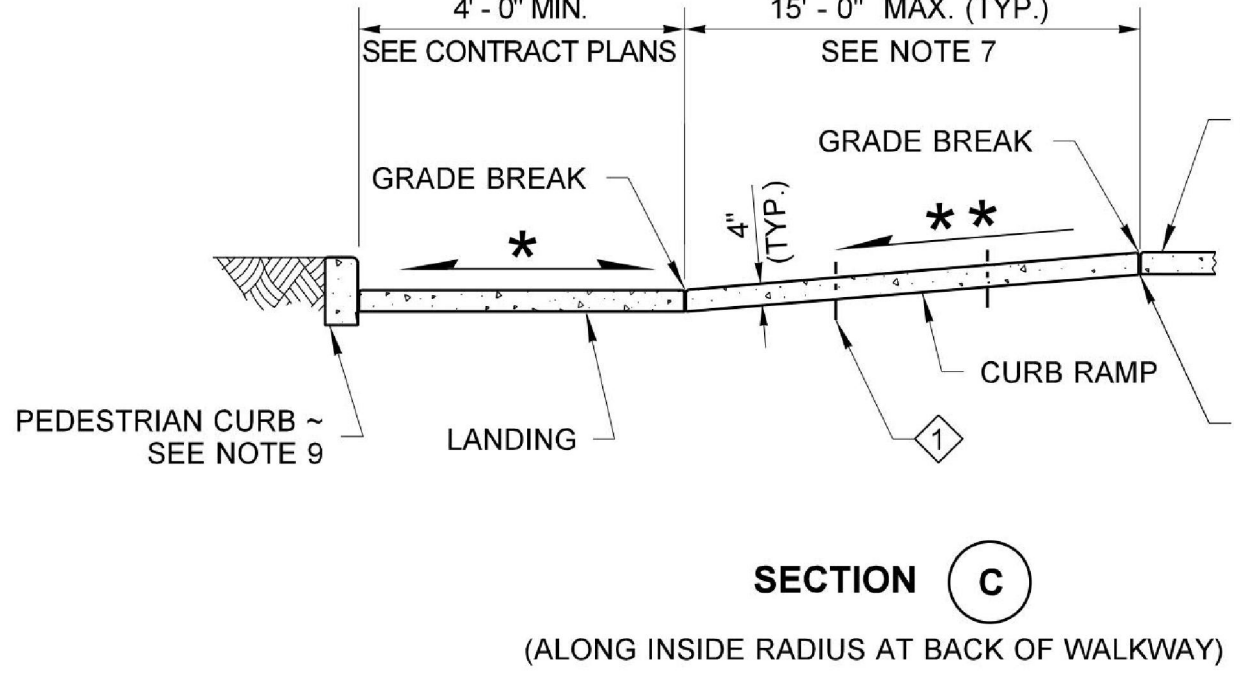
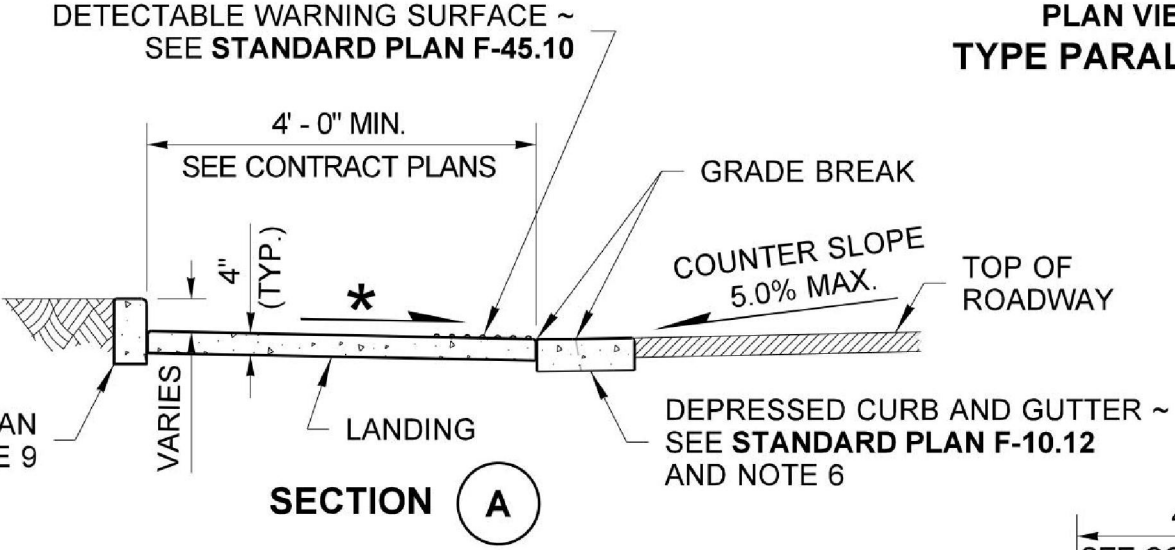
DRAWN BY: FERN LIDDELL



**NOTES**

- At marked crosswalks, the connection between the landing and the roadway must be contained within the width of the crosswalk markings.
- Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
- Do not place Gratings, Junction Boxes, Access Covers, or other appurtenances on any part of the Curb Ramp or Landing, or in the Depressed Curb and Gutter where the Landing connects to the roadway.
- See Contract Plans for the curb design specified. See **Standard Plan F-10.12** for Curb, Curb and Gutter, Depressed Curb and Gutter, and Pedestrian Curb details.
- See **Standard Plan F-30.10** for Cement Concrete Sidewalk Details. See Contract Plans for width and placement of sidewalk.
- The Bid Item "Cement Concrete Curb Ramp Type \_\_\_" does not include the adjacent Curb, Curb and Gutter, Depressed Curb and Gutter, Pedestrian Curb, or Sidewalks.
- The Curb Ramp length is not required to exceed 15 feet (unless otherwise shown in the Contract Plans). When applying the 15-foot max. length, the running slope of the curb ramp is allowed to exceed 8.3%. Use a single constant slope from bottom of ramp to top of ramp to match into the sidewalk over a horizontal distance of 15 feet. Do not include abutting landing(s) in the 15-foot max. measurement. When a ramp is constructed on a radius, the 15-foot max. length is measured on the inside radius along the back of the walkway.
- Curb Ramps and Landings shall receive a broom finish. See **Standard Specifications 8-14**.
- Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or Landing will be at the same elevation as the Curb Ramp or Landing and there will be no material to retain.

1 CONTRACTION JOINT (TYP.) ~ SEE **STANDARD PLAN F-30.1** FOR CURB RAMP LENGTHS GREATER THAN 8' - 0" PROVIDE CONTRACTION JOINT EQUALLY SPACED 4' - 0" MIN. OC.



**LEGEND**

↔ SLOPE IN EITHER DIRECTION

\* 1.5% OR FLATTER RECOMMENDED FOR DESIGN/FORMWORK (2% MAX.)

\*\* 7.5% OR FLATTER RECOMMENDED FOR DESIGN/FORMWORK (8.3% MAX.) ~ SEE NOTE 7



Zeller, Scott  
Jun 24 2016 7:19 AM

**PARALLEL CURB RAMP  
STANDARD PLAN F-40.12-03**  
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION  
Carpenter, Jeff  
Jun 29 2016 2:27 PM  
STATE DESIGN ENGINEER  
Washington State Department of Transportation

**TYPICAL EXPANSION JOINT DETAIL**  
NTS

**TYPICAL CONTRACTION/CONTROL JOINT DETAIL**  
NTS

**TYPICAL STAMPED CEMENT CONC. PAVEMENT DETAIL**  
NTS

**TYPICAL STAMPED CEMENT CONCRETE CENTER MEDIAN DETAIL**  
NTS

**NOTES:**

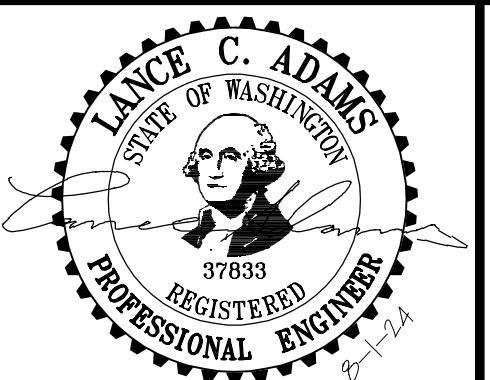
- CONCRETE STAMPING TOOL FOR STAMPED CEMENT CONC. PAVEMENT SHALL BE "COBBLESTONE" PATTERN BS15000 TEXTURED MAT AND CHISELED SLATE BS17618 TOUCH UP SKIN FROM BUTTERFIELD COLOR OR APPROVED EQUAL.
- STAMPED CEMENT CONC. PAVEMENT SHALL RECEIVE ANTIQUING RELEASE AGENT AND SEALER (INCLUDING ADDITIVE) APPLICATION USING BUTTERFIELD COLOR #PT12 PERMA-TIQUE ANTIQUING AGENT - STORM GRAY AND BUTTERFIELD COLOR CLEAR-GUARD CURE & SEAL OR APPROVED EQUAL.
- STAMPED CEMENT CONC. PATTERN, COLOR, AND LAYOUT SHALL BE APPROVED BY CITY PRIOR TO INSTALLATION.
- CONTRACTION/CONTROL AND EXPANSION JOINTS SHALL BE 10 FEET MAX. O.C., SEE DETAIL THIS SHEET.
- WHERE APPLICABLE, LENGTH OF PLANTER AREA VARIES BASED ON DRIPLINE OF EXISTING TREE(S) TO REMAIN AND PRESENCE OF SURFACE ROOTS; LIMITS SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLATION.

**CITY OF KIRKLAND**  
PLAN NO. XYZ  
**TYPICAL STAMPED CEMENT CONCRETE CENTER MEDIAN DETAIL**

**Call 2 Business Days Before You Dig**  
**811 or 1-800-424-5555**  
Utilities Underground Location Center

**CITY OF KIRKLAND**  
DEPARTMENT OF PUBLIC WORKS  
123 FIFTH AVENUE KIRKLAND, WA 98033  
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

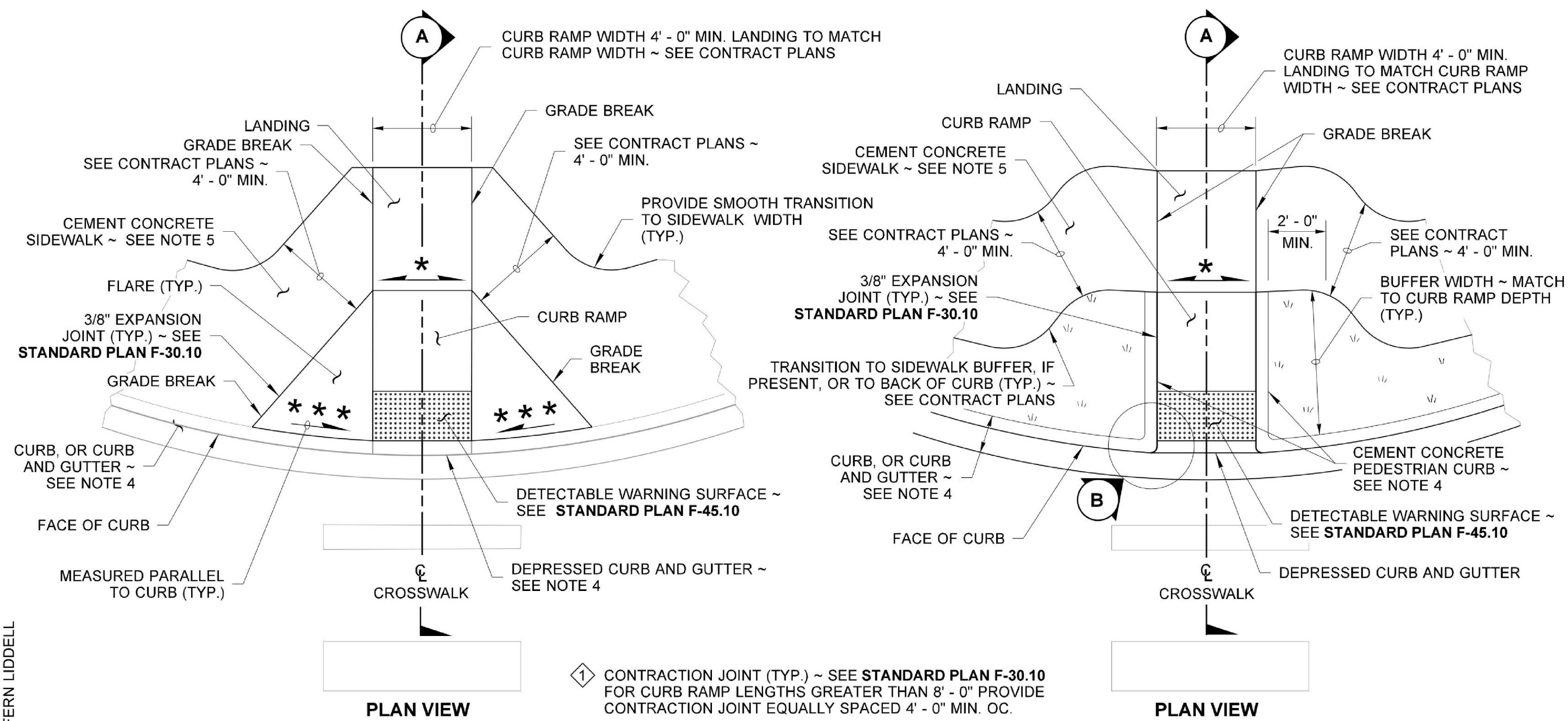
L. ADAMS	7-28-23
DESIGNED BY:	DATE
B. NELSON	7-28-23
DRAWN BY:	DATE
L. ADAMS	7-28-23
CHECKED BY:	DATE

**CITY OF KIRKLAND**  
NMC0062121 - DESIGN SERVICES  
2021 NEIGHBORHOOD SAFETY PROGRAM  
*DETAIL SHEET*

SHEET:  
**12 OF 15**  
SCALE:  
AS NOTED  
FILENAME:  
C23155C-2021-DTL.DWG



DRAWN BY: FERN LIDDELL



**NOTES**

- At marked crosswalks, the connection between the curb ramp and the roadway must be contained within the width of the crosswalk markings.
- Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
- Do not place Gratings, Junction Boxes, Access Covers, or other appurtenances on any part of the Curb Ramp or Landing, or in front of the Curb Ramp where it connects to the roadway.
- See Contract Plans for the curb design specified. See **Standard Plan F-10.12** for Curb, Curb and Gutter, Depressed Curb and Gutter, and Pedestrian Curb details.
- See **Standard Plan F-30.10** for Cement Concrete Sidewalk Details. See Contract Plans for width and placement of sidewalk.
- The Bid Item "Cement Concrete Curb Ramp Type \_\_\_" does not include the adjacent Curb, Curb and Gutter, Depressed Curb and Gutter, Pedestrian Curb, or Sidewalks.
- The Curb Ramp length is not required to exceed 15 feet (unless shown otherwise in the Contract Plans). When applying the 15-foot max. length, the running slope of the Curb Ramp is allowed to exceed 8.3%. Use a single constant slope from bottom of ramp to top of ramp to match into the landing over a horizontal distance of 15 feet. Do not include the abutting landing in the 15-foot max. measurement.
- Curb Ramps and Landings shall receive a broom finish. See **Standard Specifications 8-14**.
- Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or Landing will be at the same elevation as the Curb Ramp or Landing and there will not be material to retain.

**LEGEND**

- SLOPE IN EITHER DIRECTION
- \* 1.5% OR FLATTER RECOMMENDED FOR DESIGN/FORMWORK (2% MAX.)
- \*\* 7.5% OR FLATTER RECOMMENDED FOR DESIGN/FORMWORK (8.3% MAX.)
- \*\*\* 9.5% OR FLATTER RECOMMENDED FOR DESIGN/FORMWORK (10% MAX.)

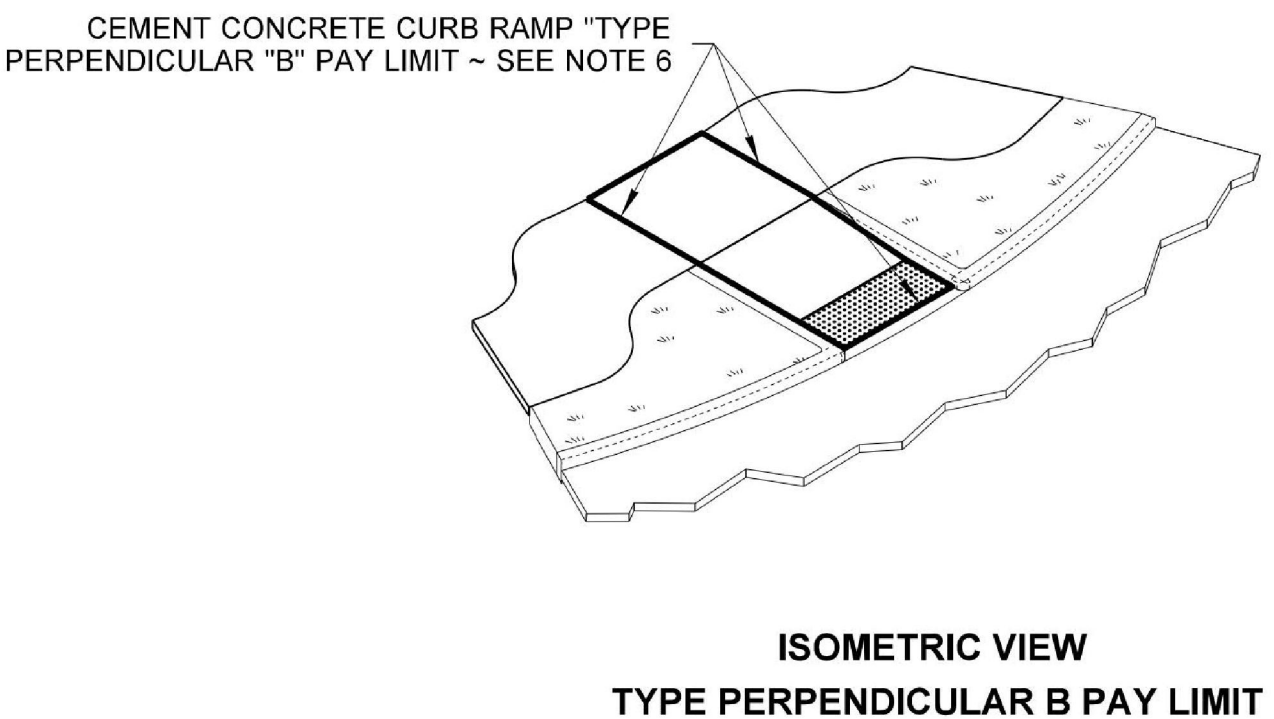
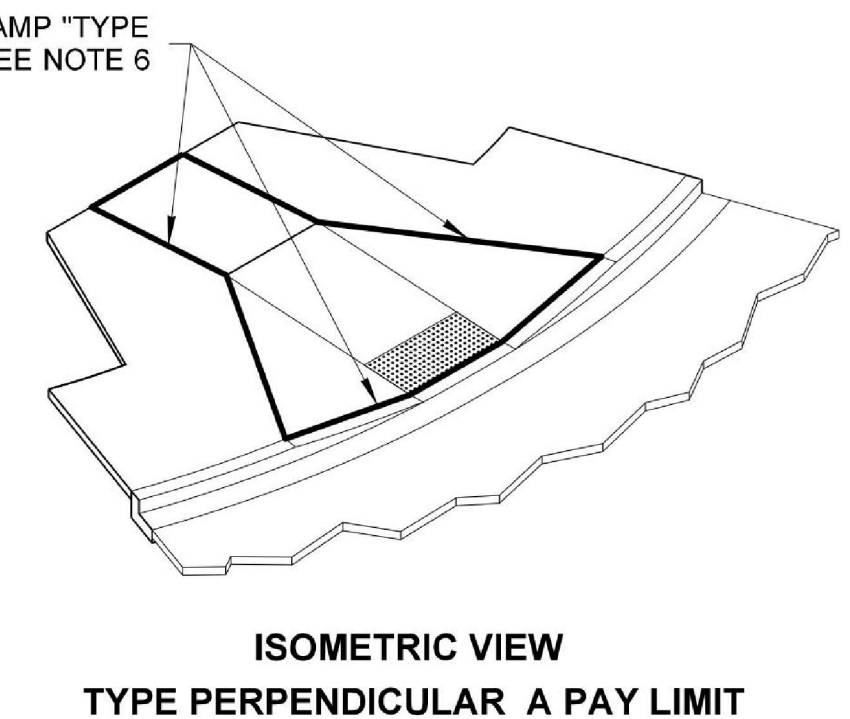
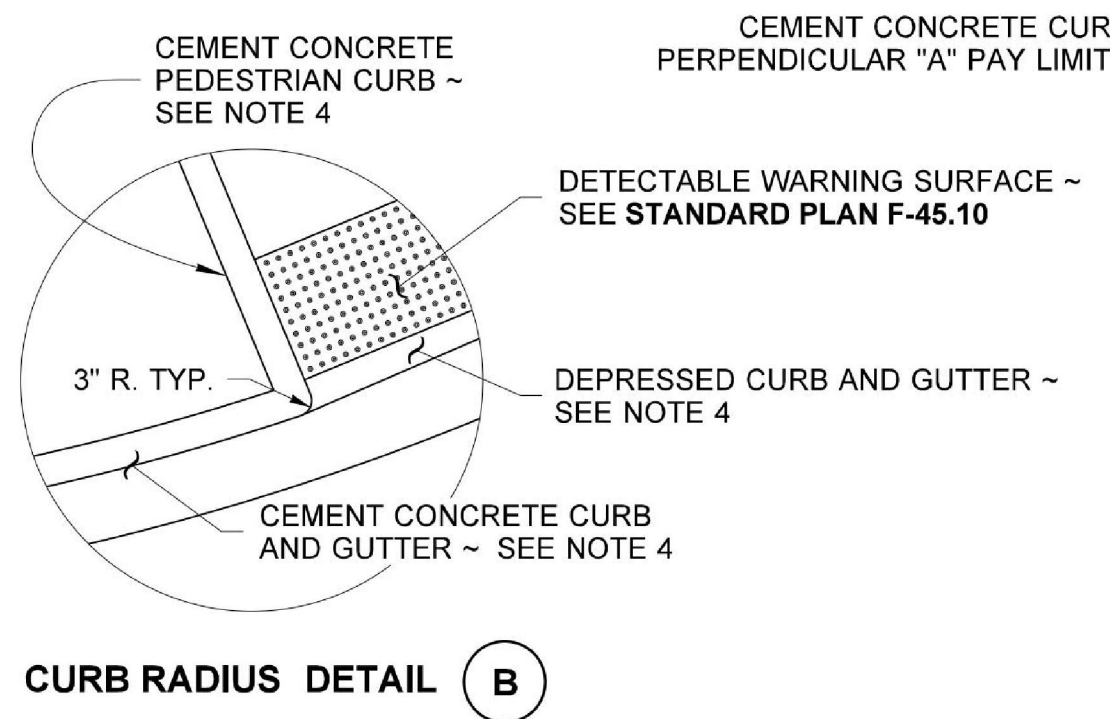
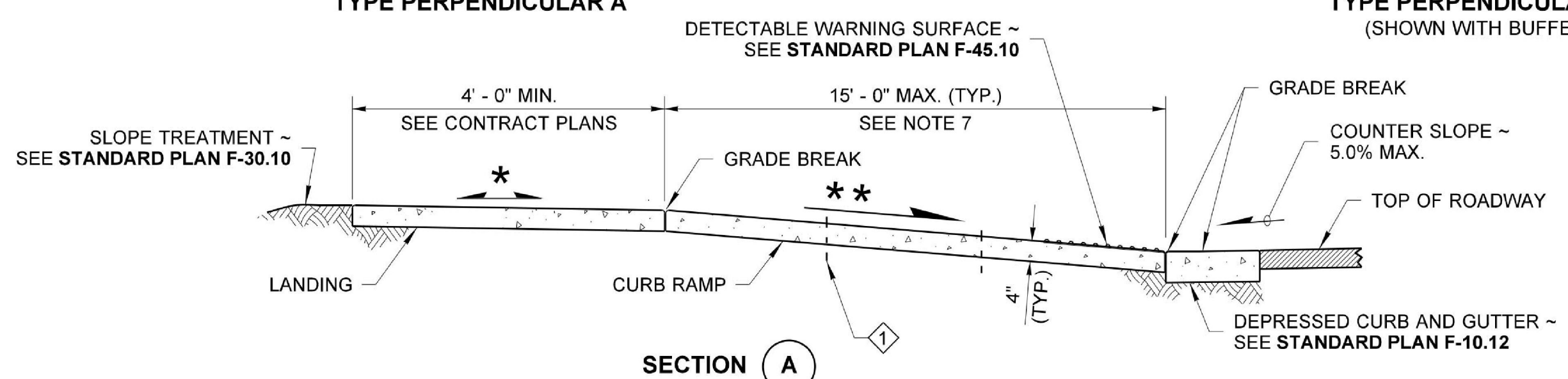


Digitally signed by R. Scott Zeller  
Date: 2020.09.22 13:23:53 -07'00'

**PERPENDICULAR CURB RAMP**  
**STANDARD PLAN F-40.15-04**

SHEET 1 OF 1 SHEET

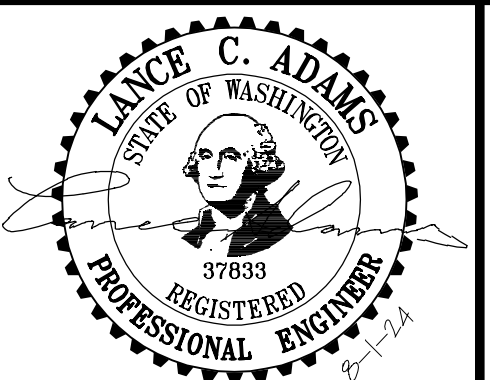
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Date: 2020.09.25 14:44:37 -07'00'  
STATE DESIGN ENGINEER  
Washington State Department of Transportation



**Call 2 Business Days Before You Dig**  
**811 or 1-800-424-5555**  
Utilities Underground Location Center

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DEPARTMENT OF PUBLIC WORKS  
123 FIFTH AVENUE KIRKLAND, WA 98033  
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

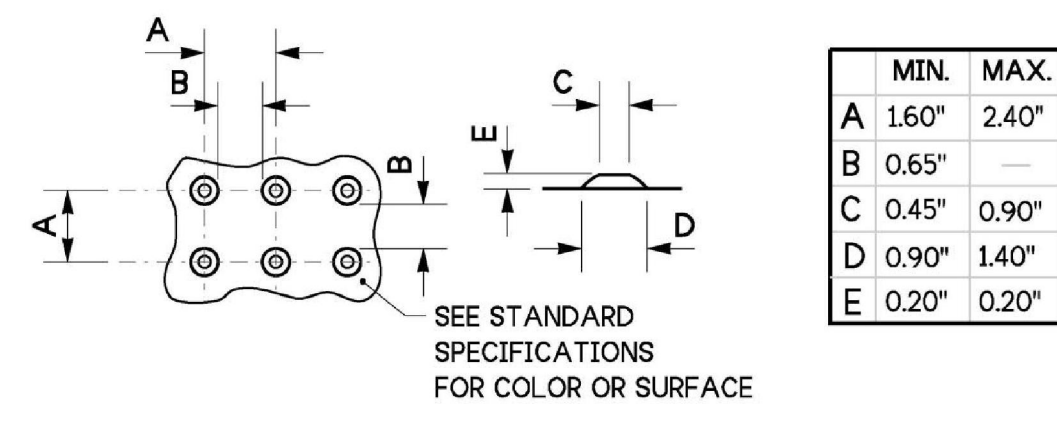
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DESIGNED BY: DATE  
B. NELSON 7-28-23  
DRAWN BY: DATE  
L. ADAMS 7-28-23  
CHECKED BY: DATE

**CITY OF KIRKLAND**  
NMC0062121 - DESIGN SERVICES  
2021 NEIGHBORHOOD SAFETY PROGRAM

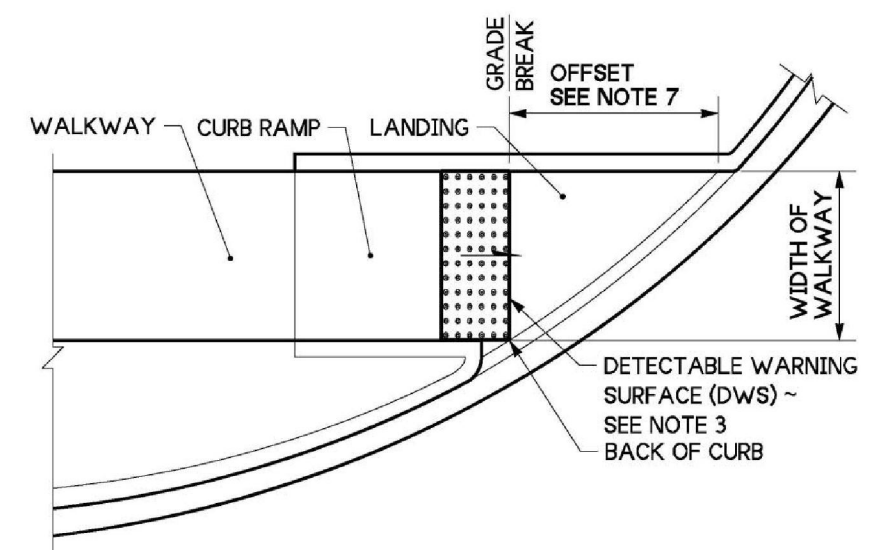
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SCALE: AS NOTED  
FILENAME: C23155C-2021-DTL.DWG

DETAIL SHEET

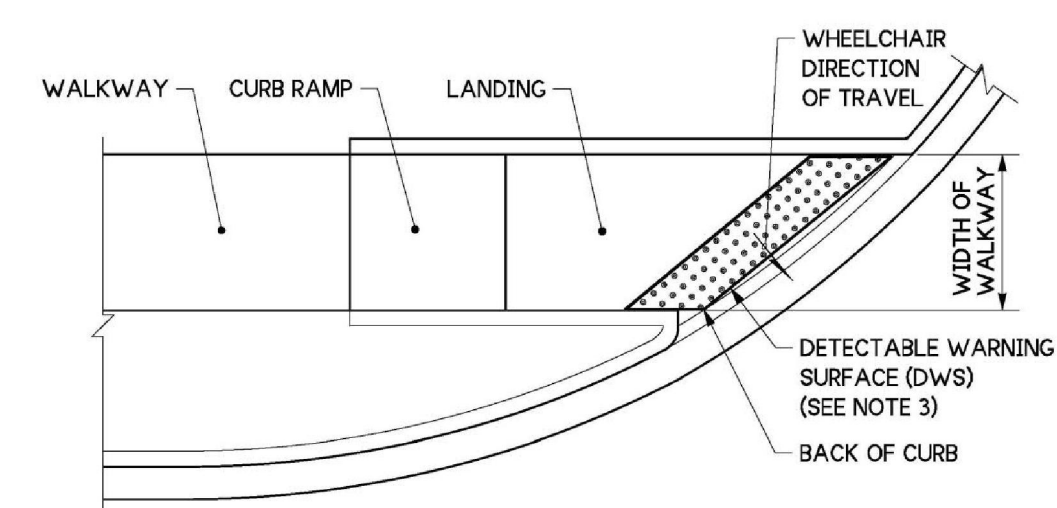




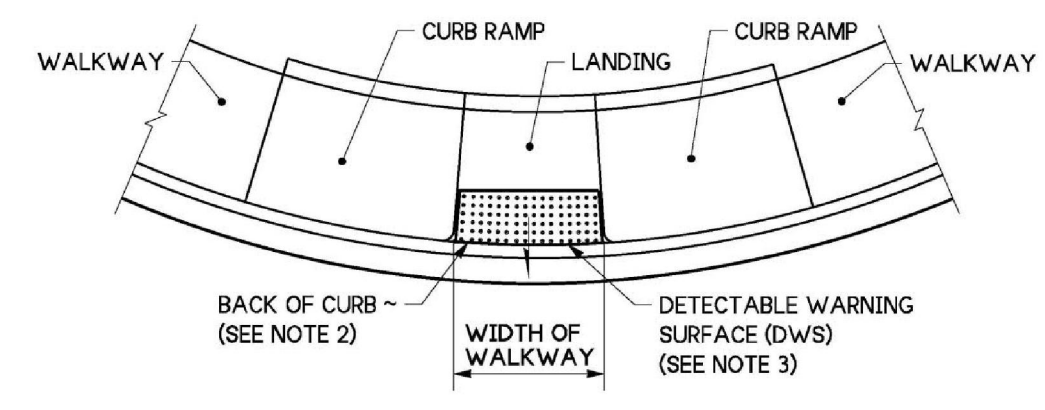
TRUNCATED DOME DETAILS  
SEE NOTE 3



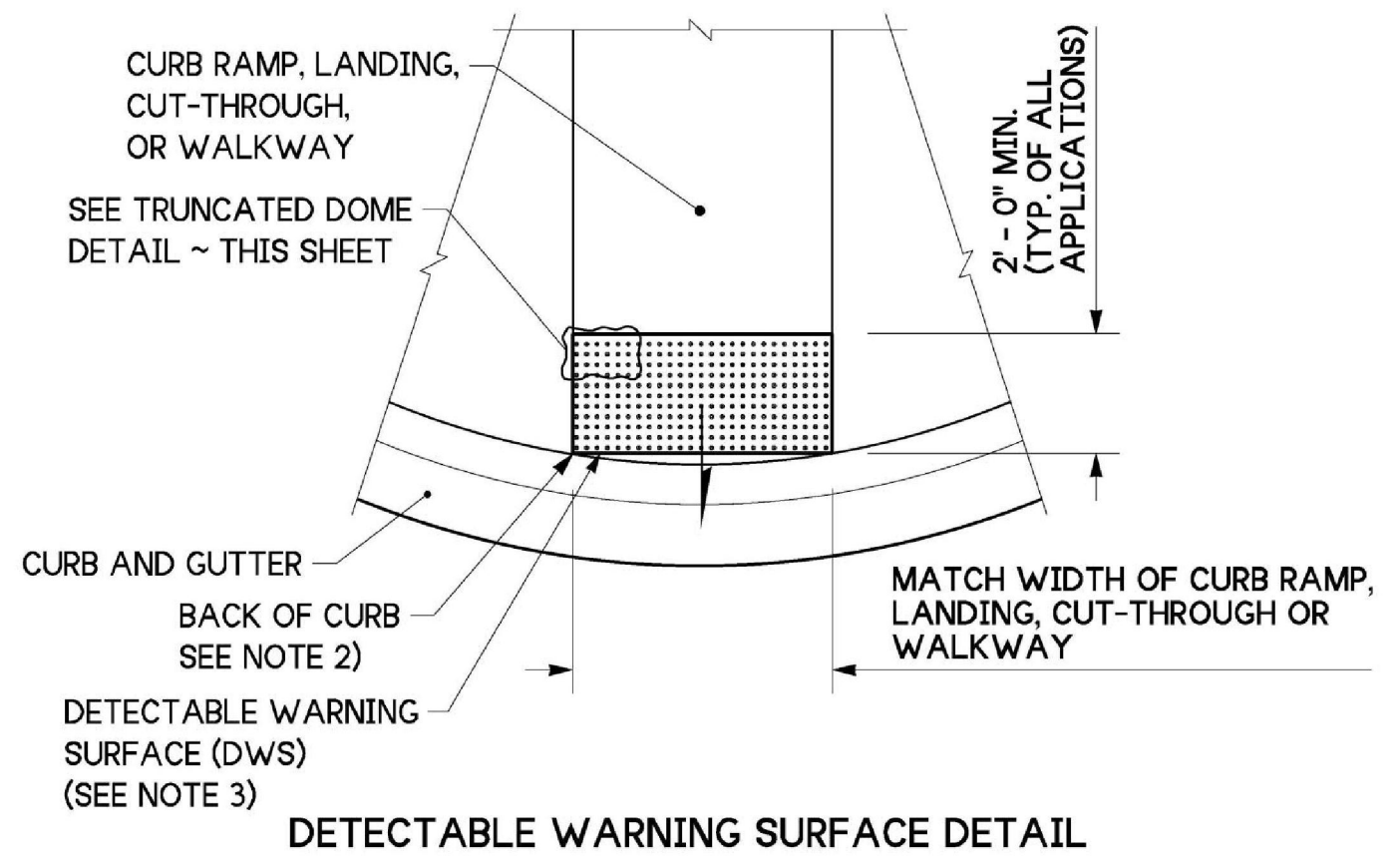
SINGLE DIRECTION CURB RAMP  
(GRADE BREAK BETWEEN CURB AND LANDING < 5 FEET FROM BACK OF CURB)  
(SEE NOTE 5)



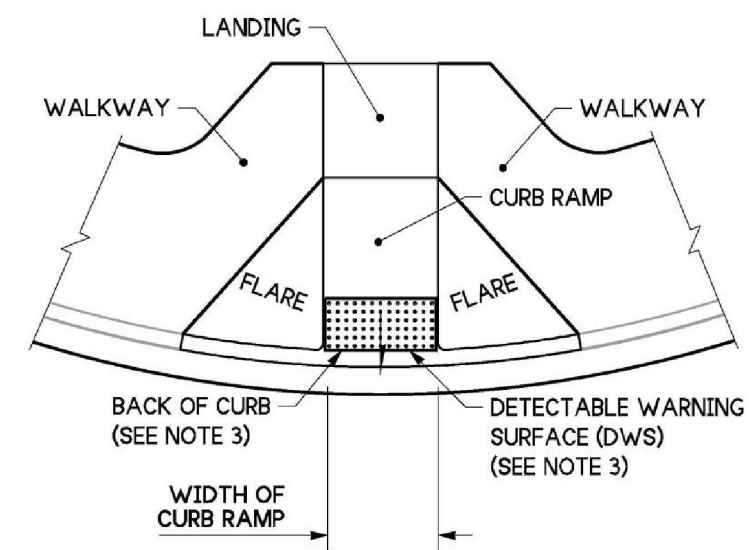
SINGLE DIRECTION CURB RAMP  
(GRADE BREAK BETWEEN CURB AND LANDING > 5 FEET FROM BACK OF CURB)  
(SEE NOTE 5)



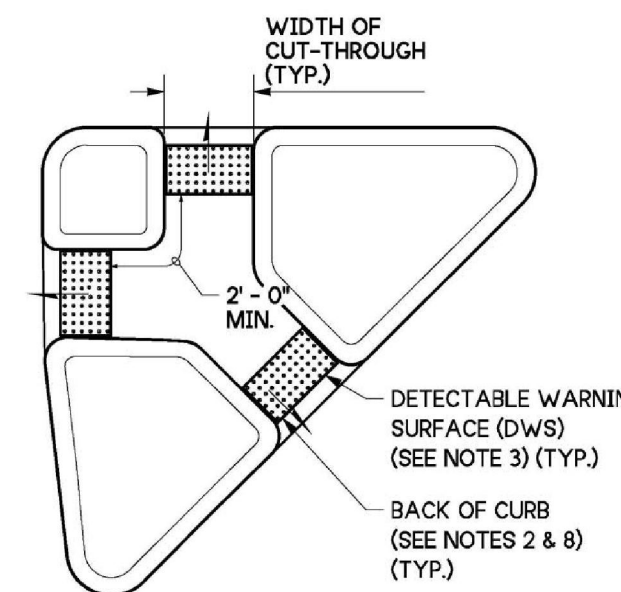
PARALLEL CURB RAMP  
(SEE NOTE 6)



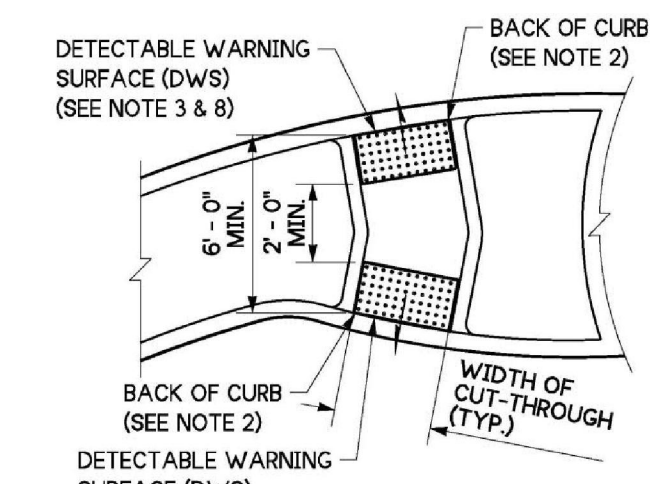
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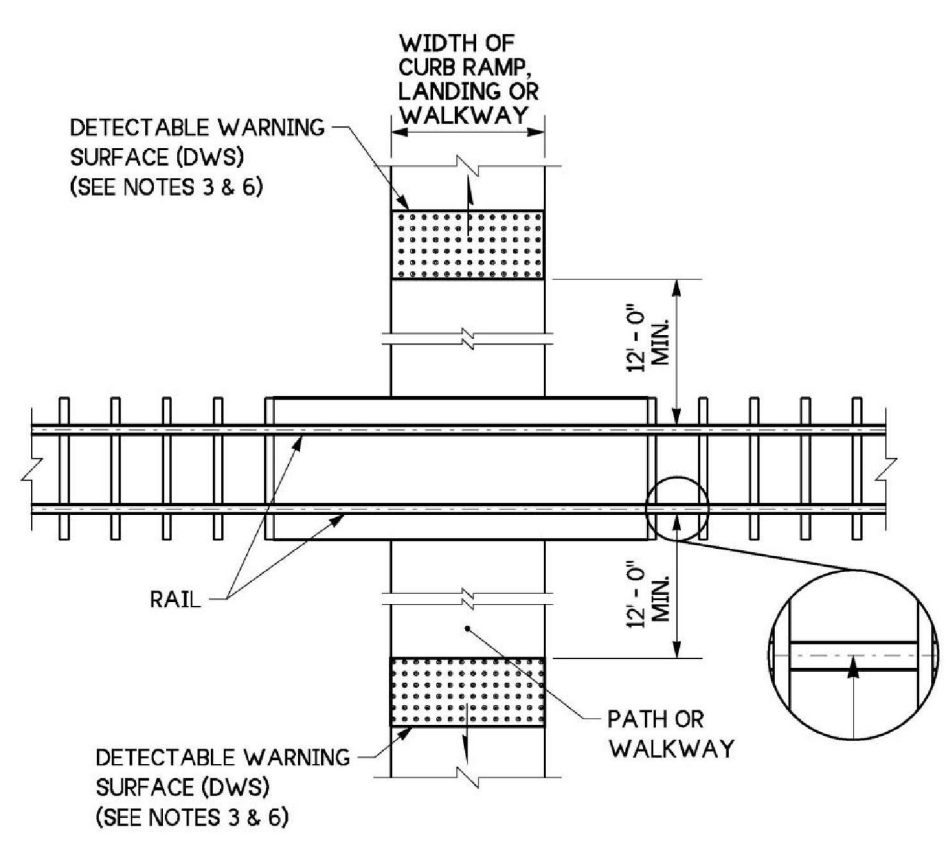
PERPENDICULAR CURB RAMP  
(SEE NOTE 6)



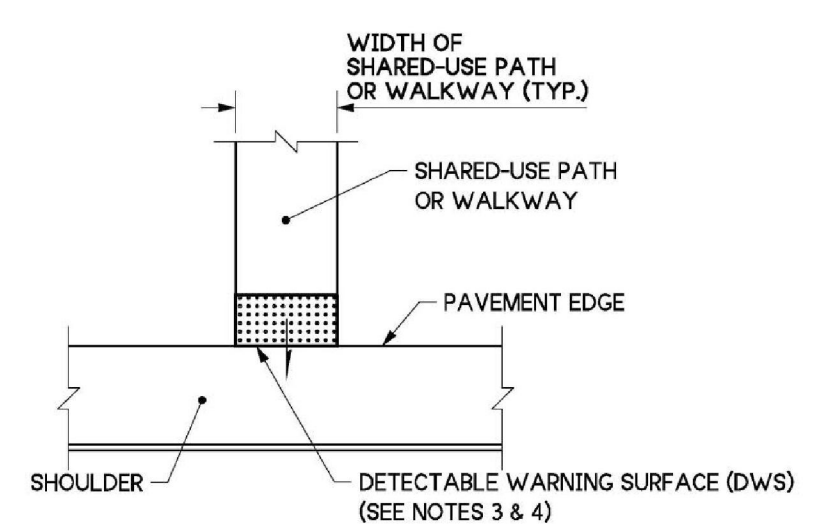
ISLAND CUT-THROUGH



ROUNDBOAT SPLITTER ISLAND



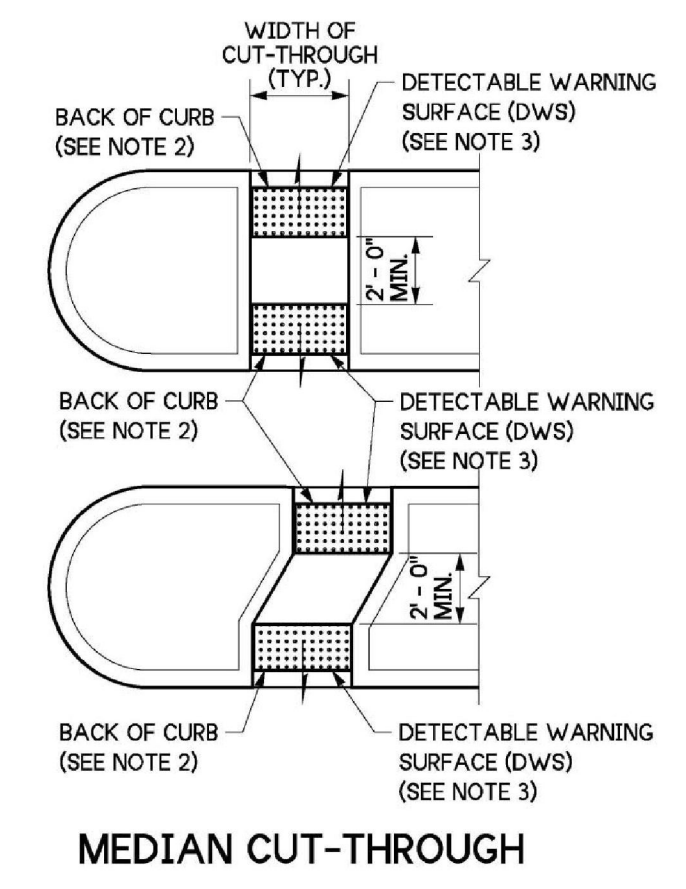
PEDESTRIAN RAILROAD CROSSING



SHARED-USE PATH CONNECTION

NOTES

- Permanent Detectable Warning Surfaces (DWS) shall extend the full width of the curb ramp, landing, or other roadway entrance as applicable. Exception: If the manufacturer of the DWS requires a concrete border around the DWS, a variance of up to 2" (in) on each side of the DWS is permitted.
- Permanent Detectable Warning Surfaces (DWS) shall be placed on a minimum 4" (in) thick concrete pad. The DWS panel shall be placed adjacent to the back of the curb and with no more than a 2" (in) gap between the DWS and the back of the curb measured at the center of the DWS panel. Exception: if the Manufacturer of the selected DWS requires a concrete border around the DWS, a variance of up to 2" (in) from the back of the curb is permitted (measured at the leading corners of the DWS panel).
- The rows of truncated domes shall be aligned to be parallel to the direction of travel, and perpendicular to the grade break at the back of curb.
- If curb and gutter are not present, such as a shared-use path connection, the Detectable Warning Surface shall be placed at the pavement edge.
- See Standard Plans for sidewalk and curb ramp details.
- If a curb ramp is required, the location of the Detectable Warning Surface must be at the bottom of the ramp and within the required distance from the rail crossing.
- When the grade break between the curb ramp and the landing is less than or equal to 5 feet from the back of curb at all points, place the Detectable Warning Surface on the bottom of the curb ramp directly above the grade break.
- Glued or stick down Detectable Warning Surfaces are allowed only for temporary work zone applications.



MEDIAN CUT-THROUGH

LEGEND  
DIRECTION OF TRAVEL



Oct 13, 2023

DETECTABLE WARNING SURFACE

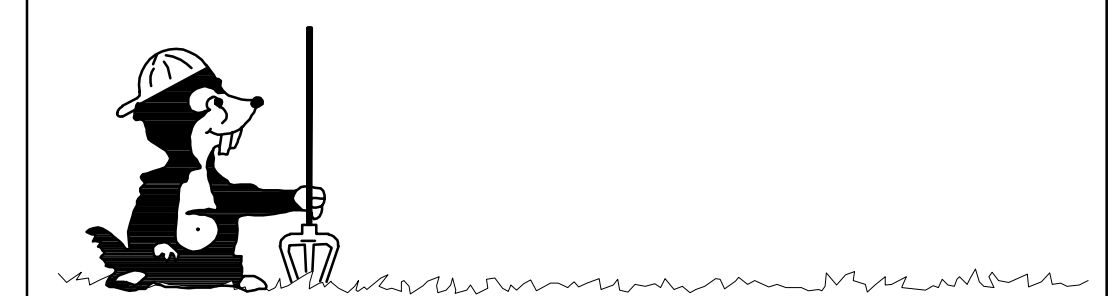
STANDARD PLAN F-45.10-04

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Mark A. Davis  
 STATE DESIGN ENGINEER  
 Washington State Department of Transportation

Oct 16, 2023



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Utilities Underground Location Center

CITY OF KIRKLAND  
 DEPARTMENT OF PUBLIC WORKS  
 123 FIFTH AVENUE KIRKLAND, WA 98033  
 (425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

LANCE C. ADAMS  
 STATE OF WASHINGTON  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 37833

APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

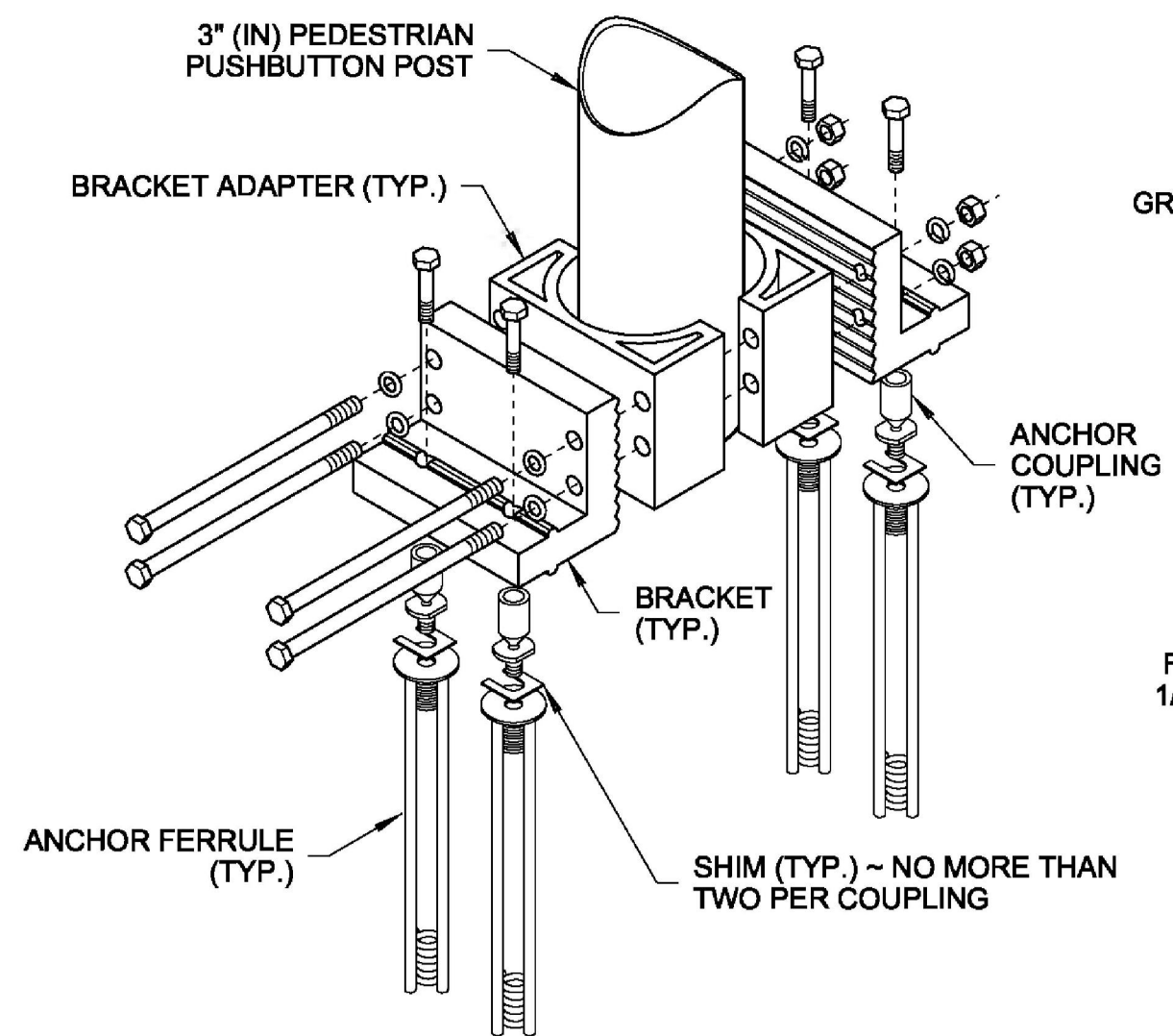
L. ADAMS	7-28-23
DESIGNED BY:	DATE
B. NELSON	7-28-23
DRAWN BY:	DATE
L. ADAMS	7-28-23
CHECKED BY:	DATE

**CITY OF KIRKLAND**  
 NMC0062121 - DESIGN SERVICES  
 2021 NEIGHBORHOOD SAFETY PROGRAM  
 DETAIL SHEET

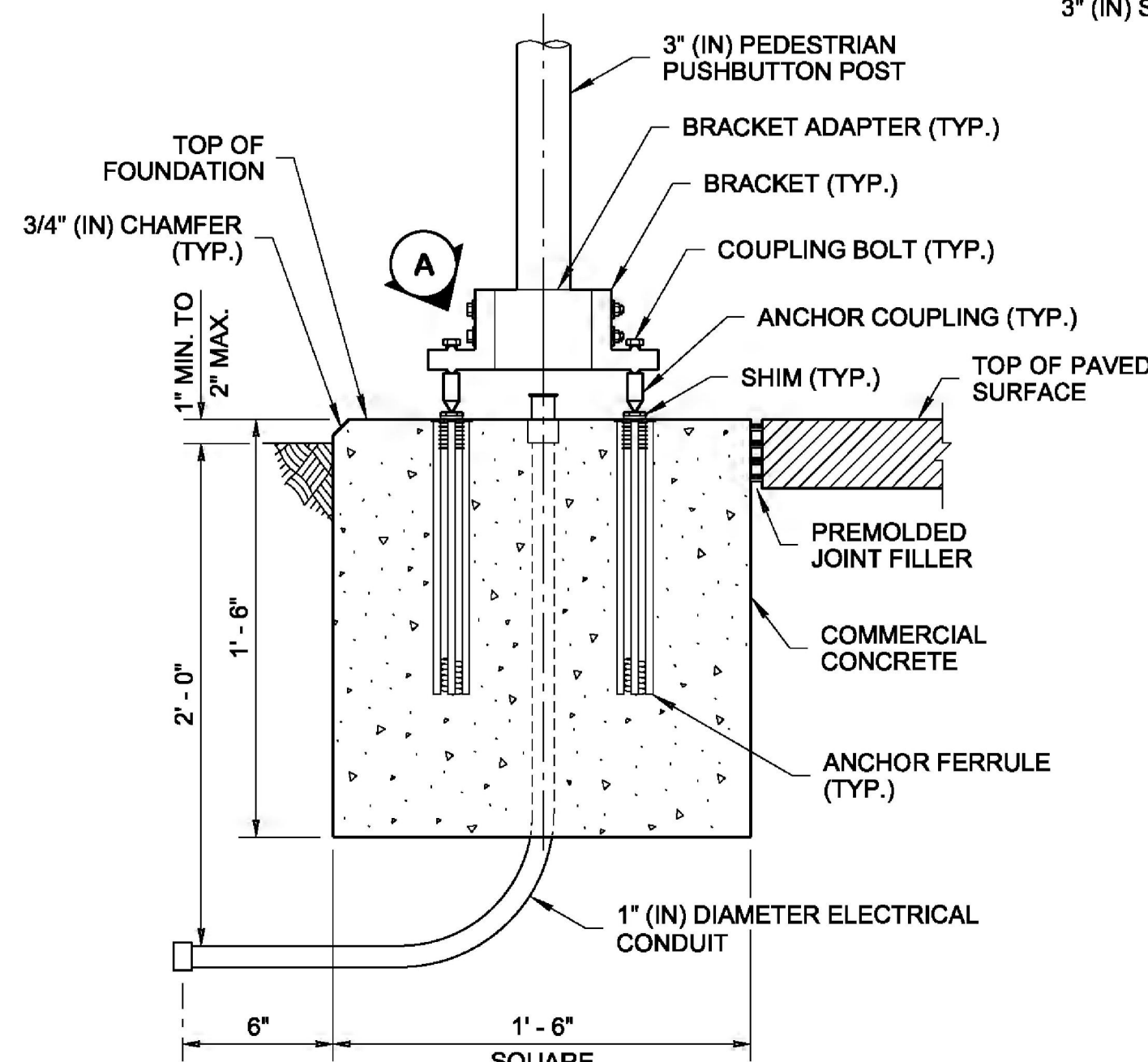
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SCALE: AS NOTED  
FILENAME: C23155C-2021-DTL.DWG



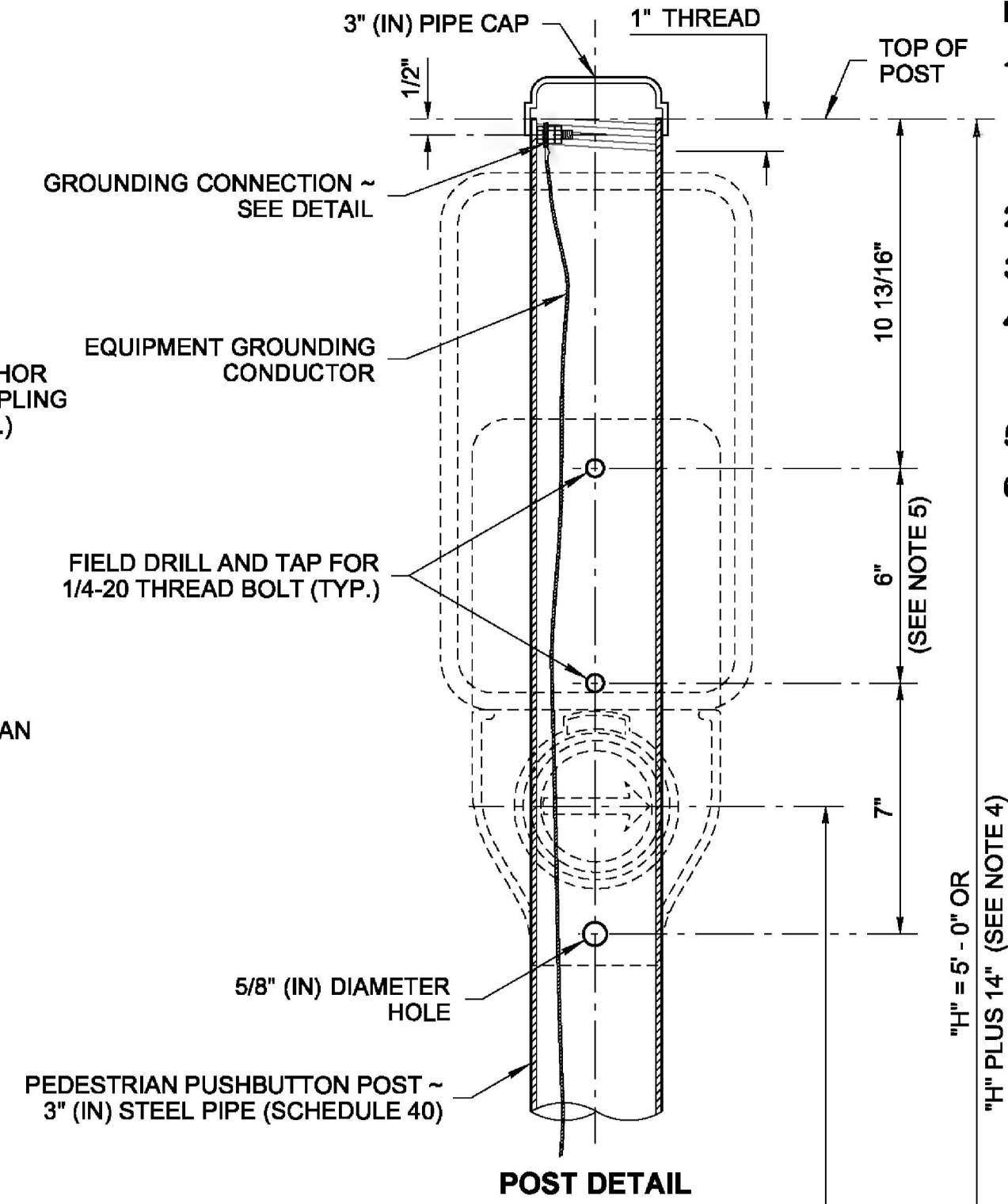
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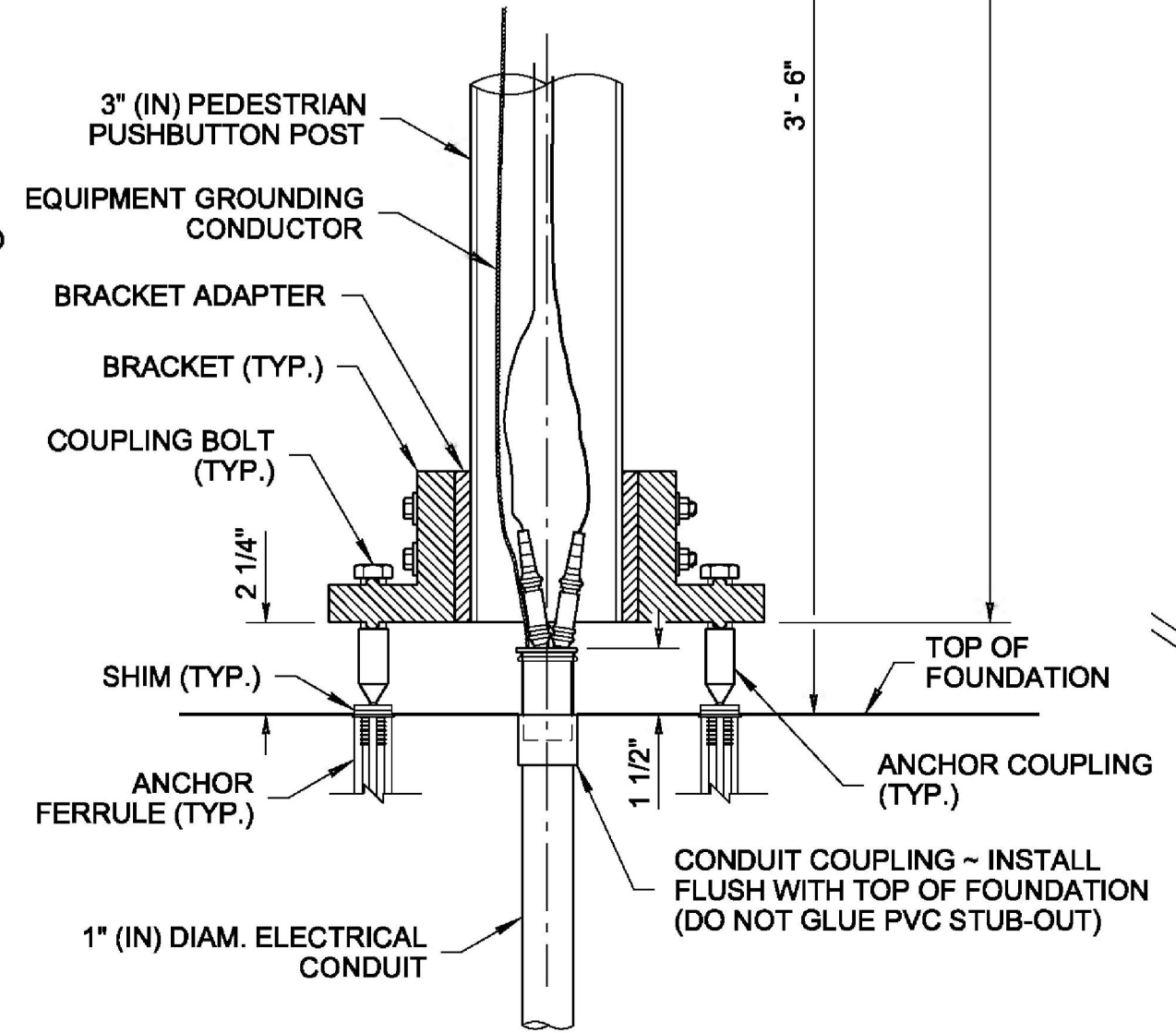
**EXPLODED VIEW  
BREAKAWAY BASE CONNECTOR**  
(SEE NOTE 1)



**FOUNDATION DETAIL**



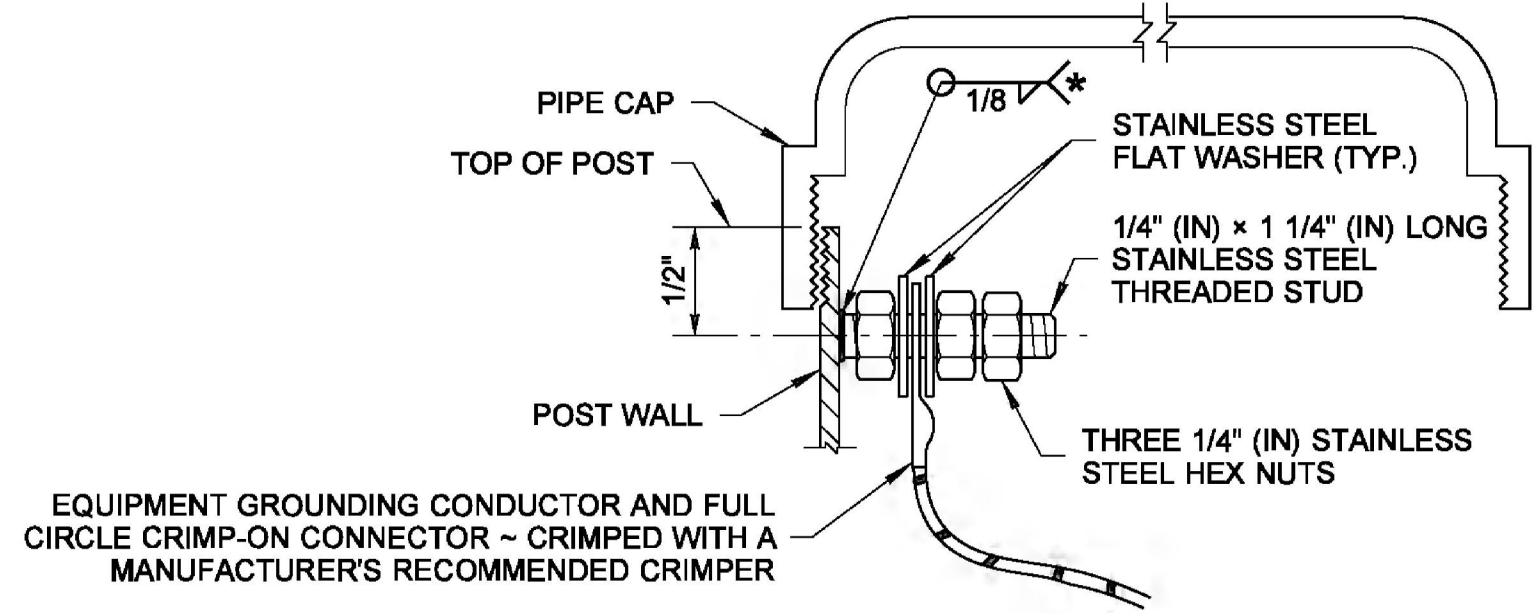
**POST DETAIL**



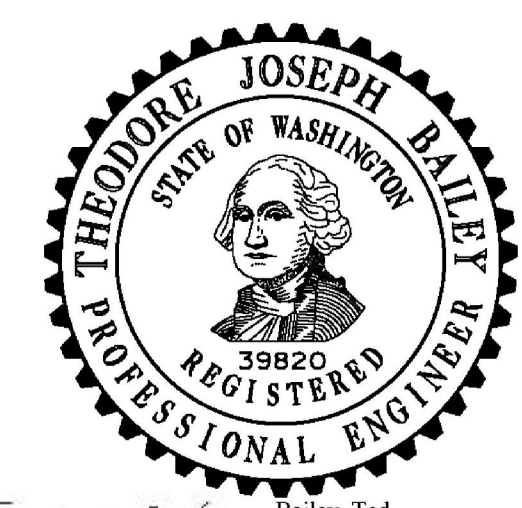
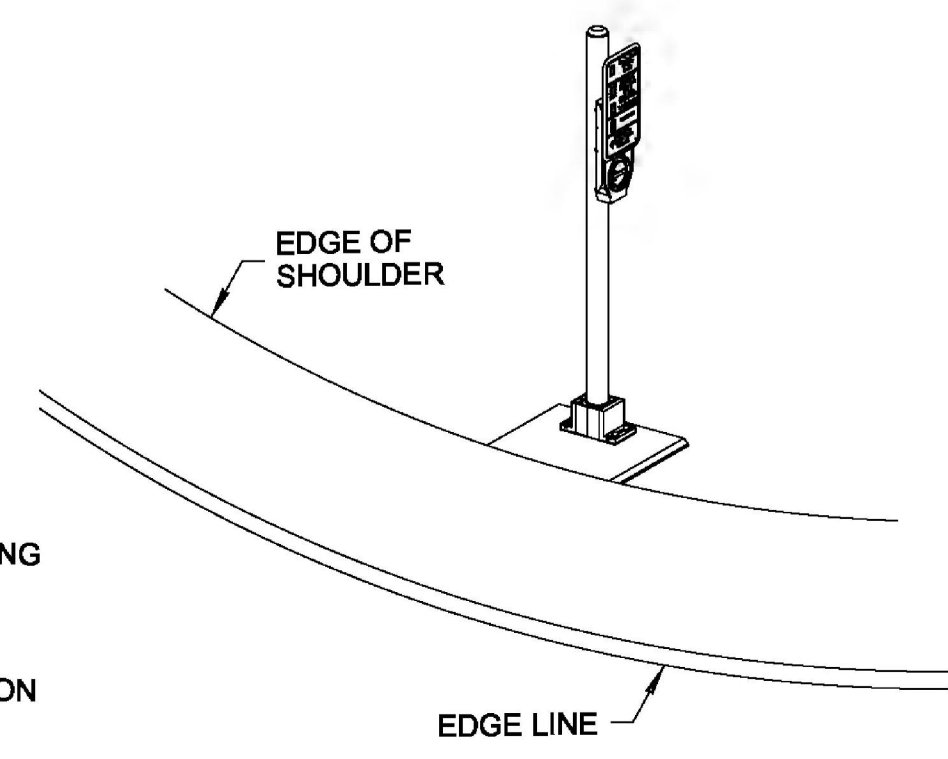
**DETAIL A**

**NOTES**

1. See **Standard Specification 9-06.16** for Breakaway Base Connection details. Dimensions for the parts used to assemble the base connections are intentionally not shown. Base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The Breakaway Base Connection details are only shown on this plan to illustrate how parts are assembled.
2. See **Standard Plan J-20.26** for Accessible Pedestrian Pushbutton details.
3. Secure conductor in adjacent Junction Box per detail in **Standard Plan J-28.70**.
4. Where shown in the plans, install plaque (R10-32P) "PUSH BUTTON FOR 2 SECONDS FOR EXTRA CROSSING TIME" above the Accessible Pedestrian Signal (APS) assembly. Add 14" (in) to post height to accommodate plaque and leave a 2" (in) space between signs.
5. Mounting distances vary between manufacturers. See manufacturer's recommendations for mounting information.
6. Junction Box serving the Standard shall preferably be located 5' - 0" (10' - 0" Max.) from the Standard.

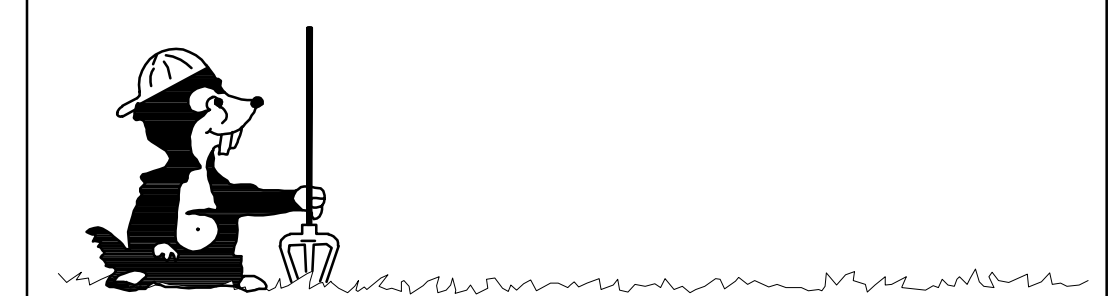


**GROUNDING CONNECTION DETAIL**  
\* WELD STUD TO POLE WALL TO MAXIMUM EXTENT POSSIBLE - 1/2" (IN) MINIMUM WELD  
CONFIGURATIONS VARY AMONG DIFFERENT MANUFACTURERS (SHOWN EXPLODED FOR CLARITY)



*Theodore Joseph Bailey*  
Bailey, Ted  
Jun 26 2014 4:25 PM  
**ACCESSIBLE BREAKAWAY  
PEDESTRIAN PUSHBUTTON  
(PPB) POST**  
**STANDARD PLAN J-20.15-03**

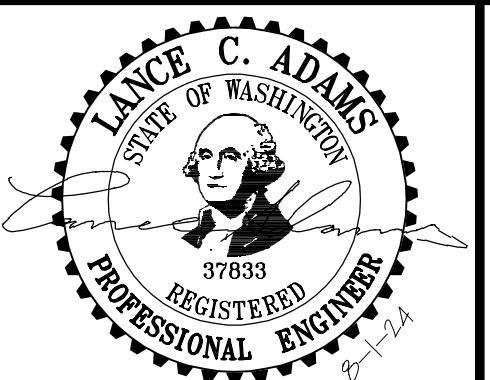
SHEET 1 OF 1 SHEET  
APPROVED FOR PUBLICATION  
*Rene B. Fisher* Jun 30 2014 3:11 PM  
STATE DESIGN ENGINEER  
Washington State Department of Transportation



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**15 OF 15**  
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