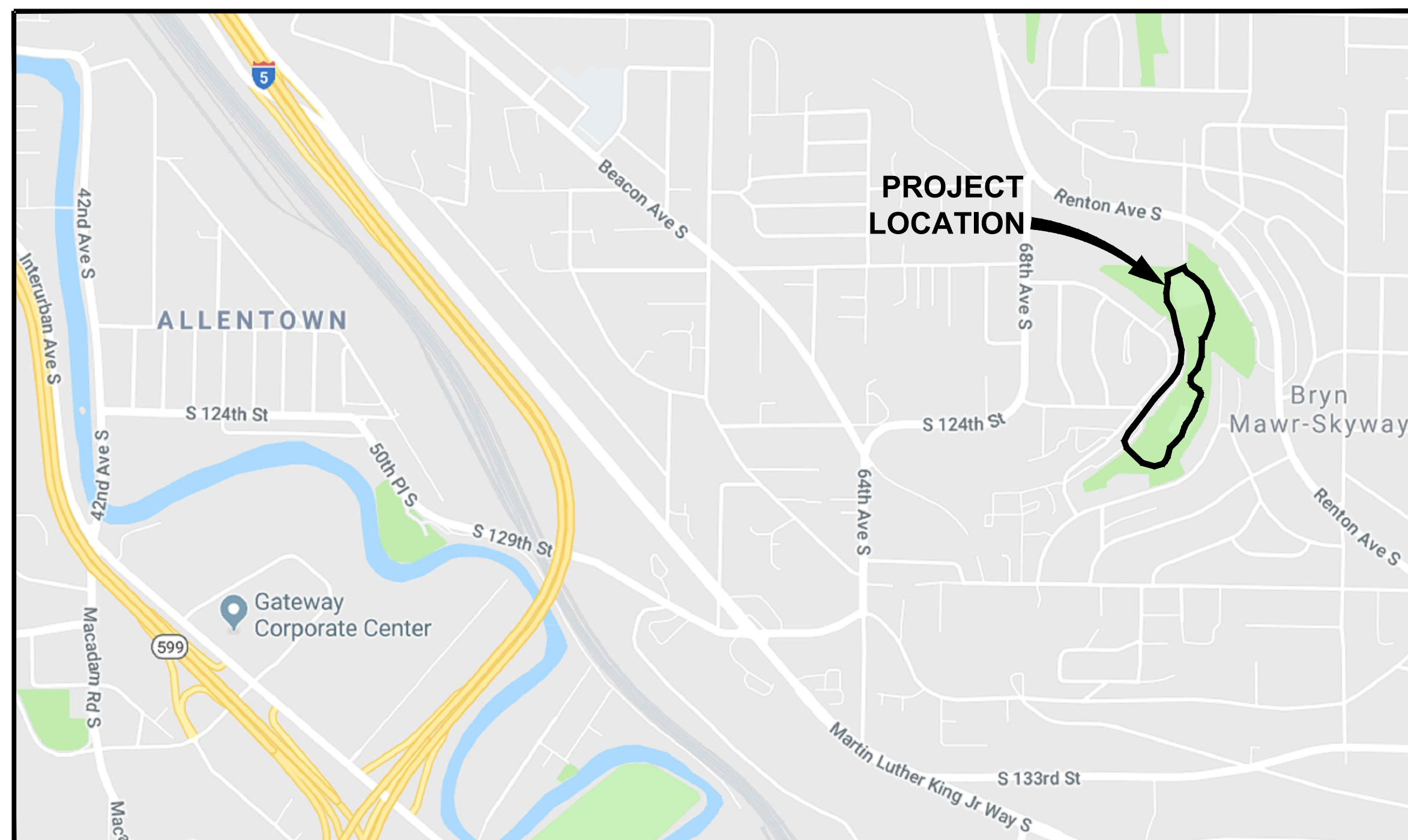


VICINITY MAP



SKYWAY PARK IMPROVEMENTS

OWNER: KING COUNTY DEPARTMENT OF NATURAL RESOURCES & PARKS

PARKS AND RECREATION DIVISION - CAPITAL PROJECTS SECTION
 201 SOUTH JACKSON STREET, SUITE 700, SEATTLE, WA 98104
 CONTACT: MARY LEAR
 PH: 206-477-4749
 EMAIL: MARY.LEAR@KINGCOUNTY.GOV

SURVEYOR: KING COUNTY

KING COUNTY ROAD SERVICES DIVISION
 201 SOUTH JACKSON STREET, SEATTLE, WA 98104
 CONTACT: TREVOR CRAY
 PH: 206-296-6508
 EMAIL: TREVOR.CRAY@KINGCOUNTY.COM

ENGINEER: KPFF CONSULTING ENGINEERS

1601 FIFTH AVENUE, SUITE 1600, SEATTLE, WA 98101
 CONTACT: RON LEIMKUHLE
 PH: 206-926-0525
 EMAIL: RON.LEIMKUHLE@KPFF.COM

ENVIRONMENTAL (WETLAND DELINEATION):

THE WATERSHED COMPANY
 750 SIXTH STREET SOUTH, KIRKLAND, WA 98033
 CONTACT: HUGH MORTENSEN
 PH: 425-822-5242
 EMAIL: HMORTENSEN@WATERSHEDCO.COM

PROJECT DATA

PROJECT ADDRESS:
 UNINCORPORATED KING COUNTY, WA

TAX PARCEL NUMBER:
 781280-1960

LEGAL DESCRIPTION

SKYWAY PARK ADD TGW PARK OF SD PLAT TGW LOTS 15 THRU 17 BLK 16 TGW POR OF 200 FT TRAN LN R/W ACROSS PLAT DAF BEG MOST SLY COR TR E SD PLAT TH S 52-43-06 E ALG NLY LN SD R/W 876.978 FT TH S 00-45-38 E 253.95 FT TO SLY LN SD R/W TH N 52-43-06 W 942.56 FT ALG SD SLY LN TH N 12-50-12 E 219.694 FT TO BEG

PROJECT DESCRIPTION

KING COUNTY PARKS IS IMPROVING AND ENHANCING FACILITIES AT SKYWAY PARK. THE DESIGN INCLUDES THE FOLLOWING IMPROVEMENTS: A NEW PAVED WALKING TRAIL SECTION IN THE NORTH SECTION; SECTION REPAIRS TO EXISTING PAVED PATHWAYS; ADDITION OF SECURITY LIGHTING; ADDITION OF ON-DEMAND LIGHTS FOR THE SPORTS COURT; PARKING LOT ENHANCEMENTS; DEMOLITION AND GRASS RESTORATION PLANS FOR FACILITIES BEING DEMOLISHED (I.E., TWO BASEBALL FIELDS AND AN OLD PLAYGROUND); GRADING AND SUBBASE PREP PLAN FOR AREAS THAT WILL INCLUDE A NEW PLAYGROUND, MINI-MOD SOCCER FIELD (PLAYGROUND AND MINI-MOD SOCCER FIELD TO BE DESIGNED AND INSTALLED BY OTHERS); DRAINAGE FACILITIES; AND MISCELLANEOUS REPAIRS TO EXISTING FACILITIES.

ZONING

EXISTING: PUBLIC LAND
 EXISTING USE: REGIONAL PARK

PROPOSED USE: REGIONAL PARK

PRIMARY ALTERNATE SHEET LOCATION	SHEET	GENERAL DESCRIPTION OF ALTERNATE
ALTERNATE 1 - PEDESTRIAN LIGHTING	33,34,35	LOCATION, EXCAVATION, FOUNDATION, BACKFILL, PEDESTRIAN LIGHTING INSTALLATION, AND RESTORATION.
ALTERNATE 2 - BASKETBALL COURT	11,15,34,35	REMOVAL OF EXISTING BASKETBALL GOALS, LOCATION, EXCAVATION, FOUNDATION, BACKFILL, FOR BASKETBALL GOAL ASSEMBLIES AND COURT LIGHTING SYSTEM; AND PERFORM LOCATION, EXCAVATION, BACKFILL, FOR CONDUIT RUN WITH HANDHOLES, WIRING, AND CONNECTION INTO EXISTING POWER SERVICE BOX.
ALTERNATE 3 - SOUTH BASEBALL FIELD REMOVAL	11	REMOVAL OF SOUTH BASEBALL FIELD FENCE, BACKSTOP, FOUNDATIONS, BLEACHERS, IN FIELD MATERIAL, AND PAVED SURFACE BETWEEN PARK TRAIL AND BASEBALL FIELD; BACKFILL, TOPSOIL, AND SEEDING.
ALTERNATE 4 - BOLLARD AND RAIL FENCE	10,11,14,15,17	REMOVAL OF CHAIN LINK FENCE AND FOUNDATIONS; BACKFILL FOUNDATION HOLES; INSTALLATION OF BOLLARD AND RAIL FENCE, AND BACKFILL.
ALTERNATE 5 - TRAIL REPAIR AND ROOT BARRIERS	14,15,24	REPAIR OF TRAIL, CRACK SEALING OF TRAIL, AND INSTALLATION OF TREE ROOT BARRIERS.
ALTERNATE 6 - MITIGATION PLANTING	31,32	DEVELOPMENT OF PLANT LAYOUT PLAN, SITE PREPARATION, MATERIAL PLACEMENT, PLANTING, AND WARRANTEE SERVICES.
ALTERNATE 7 - COATED CHAIN LINK FENCE	11,15,18	REMOVAL OF CHAIN LINK FENCE AND FOUNDATIONS; BACKFILL FOUNDATION HOLES; INSTALLATION OF CHAIN LINK FENCE, AND BACKFILL.
ALTERNATE 8 - PARK BENCH	15,22	SITE PREPARATION, EXCAVATION, FOUNDATION, INSTALLATION OF ONE CONCRETE PAD AT BASKETBALL COURT, INSTALLATION OF THREE PARK BENCHES.

NOTE: PRIMARY ALTERNATE ITEMS HAVE BEEN IDENTIFIED IN THE PLANS WITH THE FOLLOWING NOTATION: ALTERNATE XX



NAD 83/91
 NAVD 88



KNOW WHAT'S BELOW.
 CALL 2 BUSINESS DAYS
 BEFORE YOU DIG.
 (UTILITY LOCATIONS ARE APPROX.)



SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA	
ISSUED	-	09/30/2021				STRUCT. ENG.	NA	
APPROVED	R. LEIMKUHLE	09/30/2021				CIVIL ENG.	KPFF	
REVIEWED	R. LEIMKUHLE	09/30/2021				LAND. ARCH.	NA	
DRAWN	J. ONG	09/30/2021						



King County
 Department of Natural Resources and Parks
 Parks and Recreation Division
 Capital Projects Section
 201 S. Jackson St., Suite 700, Seattle, WA 98104
 Christie True, Director

SKYWAY PARK IMPROVEMENTS
 SKYWAY PARK
 7121 S. 120TH PLACE
 SEATTLE, WA 98178
COVER SHEET

SHEET
 1
 OF
 37
 SHEETS
CV01

Name: W:\11800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set11_KCSP-1-CV.dwg Date: Sep 30, 2021 04:01:54pm File: Z:\1800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set11_KCSP-1-CV.dwg

FOR CONSTRUCTION

Name: Willis Date: Sep 30, 2021 04:01:55pm File: Z:\18000001-18000991\1800182 Skyway Park Improvement\CADD\Plan Set11_KCSP-1-CV.dwg

SHEET INDEX

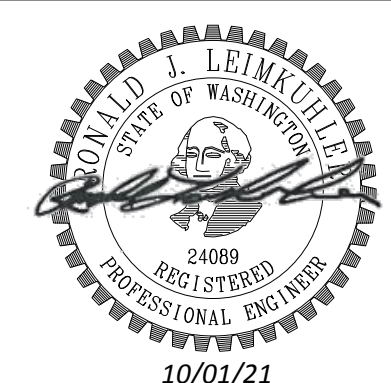

- 1. CV01 COVER SHEET
- 2. CV02 SHEET INDEX & ABBREVIATIONS
- 3. CV03 SITE LAYOUT PLAN KEY MAP
- 4. CV04 GENERAL NOTES
- 5. CV05 OLYMPIC PIPELINE GENERAL NOTES
- 6. EX01 EXISTING CONDITIONS
- 7. TE01 TESC PLAN
- 8. TE02 TESC PLAN
- 9. TE03 TESC DETAILS & NOTES
- 10. DM01 DEMOLITION PLAN
- 11. DM02 DEMOLITION PLAN
- 12. DM03 DEMOLITION DETAILS
- 13. AL01 TRAIL ALIGNMENT & CONTROL PLAN
- 14. SP01 SITE PLAN
- 15. SP02 SITE PLAN
- 16. SP03 SITE DETAILS & TRAIL SECTION
- 17. SP04 BOLLARD & RAIL FENCE DETAILS
- 18. SP05 CHAIN LINK FENCE WITH TOP RAIL DETAILS
- 19. SP06 REMOVABLE BOLLARD DETAILS
- 20. SP07 BENCH DETAILS
- 21. SP08 CURB RAMP DETAILS
- 22. SP09 PLAYGROUND DETAILS
- 23. SP10 SANICAN FENCING & BENCH PAD DETAILS
- 24. SP11 ROOT BARRIER & WATER FOUNTAIN STATION
- 25. SP12 MINI MOD ACCESS PATH DETAILS
- 26. DP01 DRAINAGE PLAN
- 27. DP02 DRAINAGE DETAILS
- 28. DP03 DRAINAGE DETAILS
- 29. DP04 DRAINAGE DETAILS
- 30. DP05 DRAINAGE DETAILS
- 31. LP01 MITIGATION PLANTING PLAN
- 32. LP02 MITIGATION PLANTING DETAILS
- 33. IL01 ILLUMINATION PLAN
- 34. IL02 ILLUMINATION PLAN
- 35. IL03 ILLUMINATION DETAILS
- 36. IL04 ILLUMINATION STRUCTURAL NOTES
- 37. IL05 ILLUMINATION STRUCTURAL NOTES

ABBREVIATIONS

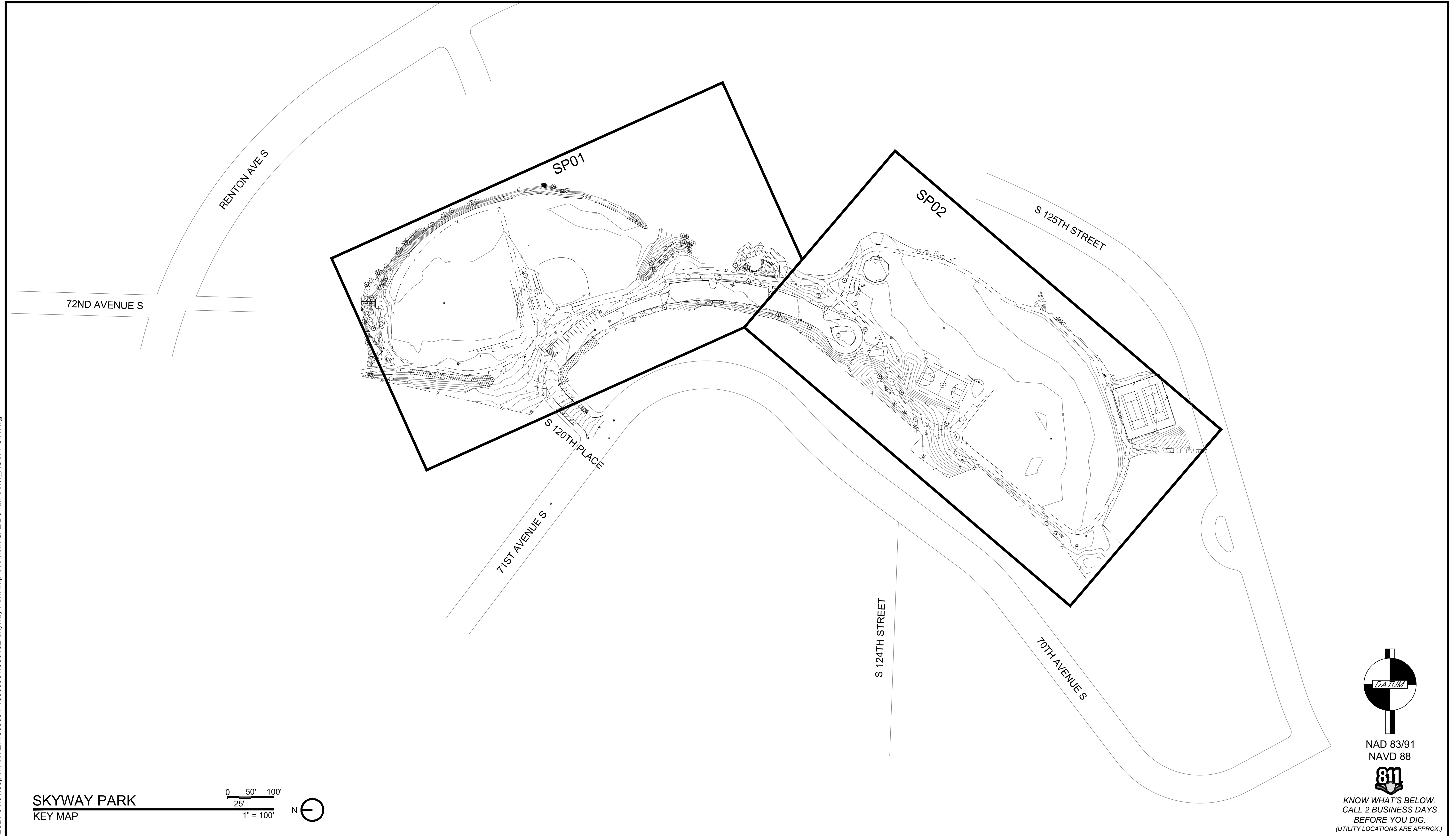
@	AT	INST.	INSTALLED
ADD.	ADDITIVE	JB	JUNCTION BOX
ADJ.	ADJACENT	JT.	JOINT
ALT.	ALTERNATE	L	LEFT
APPROX.	APPROXIMATELY	L.A.	LANDSCAPE ARCHITECT
ARCH.	ARCHITECTURE	LIGHT'G	LIGHTING
ASPH.	ASPHALT	LF	LINEAR FEET
AVE.	AVENUE	LP	LOW POINT
BC	BOTTOM OF CURB	MAX.	MAXIMUM
BS	BOTTOM OF STEP	MED	MEDIUM
CAL.	CALIPER	MIN.	MINIMUM
CB	CATCH BASIN	MISC.	MISCELLANEOUS
C.F.	CUBIC FEET	MFR.	MANUFACTURER
C.I.P.	CAST-IN-PLACE	MSE	MECHANICALLY STABILIZED EMBANKMENT
CJ	CONTROL JOINT	N	NORTH
CL	CENTER LINE	N/A	NOT APPLICABLE
CLR.	CLEAR	N.I.C.	NOT IN CONTRACT
COL.	COLUMN	NO.	NUMBER
CONC	CONCRETE	NTS	NOT TO SCALE
CP	CENTER POINT	NW	NORTHWEST
CPEP	CORRUGATED POLYETHYLENE PIPE	O.C.	ON CENTER
CSBC	CRUSHED SURFACING BASE COURSE	OFF.	OFFSET
CSTC	CRUSHED SURFACING TOP COURSE	PED.	PEDESTRIAN
DCV	DOUBLE CHECK VALVE	PERF.	PERFORATED
DIA., DIAM.	DIAMETER	POB	POINT OF BEGINNING
DIM.	DIMENSIONED	POC	POINT OF CONNECTION
DWG., DWGS.	DRAWINGS	PROJ.	PROJECTION
E	EAST	PSE	PUGET SOUND ENERGY
EA.	EACH	PSI	POUNDS PER SQUARE INCH
EJ	EXPANSION JOINT	PVMT.	PAVEMENT
ELEC.	ELECTRICAL	QTY.	QUANTITY
ELEV.	ELEVATION	R	RADIUS
EQ.	EQUAL	RCP.	REINFORCED CONCRETE PIPE
E-W, E/W	EAST TO WEST	RP	RADIUS POINT
E.W.F.	ENGINEERED WOOD FIBER	RT.	RIGHT
EX., EXIST., EXIST'G	EXISTING	R.O.W.	RIGHT-OF-WAY
EXP.	EXPANSION	S	SLOPE, SEWER
FFE	FINISHED FLOOR ELEVATION	SCH.	SCHEDULE
FM	FORCE MAIN	SHT.	SHEET
FIN.	FINISH	SIM.	SIMILAR
FIXT.	FIXTURE	SPEC, SPECS	SPECIFICATIONS
FT.	FOOT, FEET	SQ.	SQUARE
FTG.	FOOTING	S.S.	STAINLESS STEEL
F.V.	FIELD VERIFY	ST.	STREET
G.A.	GAUGE	STA.	STATION
GAL.	GALLON	STD., STND.	STANDARD
GALV.	GALVANIZED	STRUCT.	STRUCTURAL
GPM	GALLONS PER MINUTE	T	TALL
GRAD'G	GRADING	TC	TOP OF CURB
GTD	GRAVEL TRENCH DRAIN	TEL.	TELEPHONE
H, HORIZ.	HORIZONTAL	TS	TOP OF STEP
HEX	HEXAGONAL	TW	TOP OF WALL
HMA	HOT MIX ASPHALT	TYP.	TYPICAL
HP	HIGH POINT	V, VERT.	VERTICAL
HR.	HOUR	W	WEST
HSS	HOLLOW STRUCTURAL SECTION	W/	WITH
HT.	HEIGHT	WWW	WOVEN WIRE MESH
IE	INVERT ELEVATION		
IN.	INCH		
INC.	INCLUDED, INCLUDING		

FOR CONSTRUCTION

811
 KNOW WHAT'S BELOW.
 CALL 2 BUSINESS DAYS
 BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

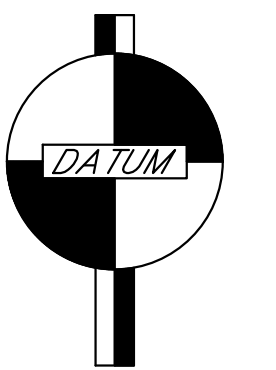
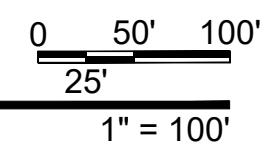
SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR			DESIGN TEAM			 King County Department of Natural Resources and Parks Parks and Recreation Division Capital Projects Section 201 S. Jackson St., Suite 700, Seattle, WA 98104 <i>Christie True, Director</i>	SKYWAY PARK IMPROVEMENTS		SHEET 2 OF 37 SHEETS
PROJECT #	1129700	DATE	REV #	REVISION	BY	DATE	ARCH.			NA	SKYWAY PARK	
ISSUED	-	09/30/2021					STRUCT. ENG.			NA	7121 S. 120TH PLACE	
APPROVED	R. LEIMKUHLER	09/30/2021					CIVIL ENG.			KPFF	SEATTLE, WA 98178	
REVIEWED	R. LEIMKUHLER	09/30/2021					LAND. ARCH.			NA		
DRAWN	J. ONG	09/30/2021										
									SHEET INDEX & ABBREVIATIONS		CV02	

Name: Willis Date: Sep 30, 2021 - 04:01:55pm File: Z:\18000001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set1_KCSP1-CV.dwg



FOR CONSTRUCTION

SKYWAY PARK
KEY MAP



NAD 83/91
NAVD 88



KNOW WHAT'S BELOW.
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BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	-	09/30/2021				STRUCT. ENG.	NA
APPROVED	R. LEIMKUHLE	09/30/2021				CIVIL ENG.	KPFF
REVIEWED	R. LEIMKUHLE	09/30/2021				LAND. ARCH.	NA
DRAWN	J. ONG	09/30/2021					



King County
Department of Natural Resources and Parks
Parks and Recreation Division
Capital Projects Section
201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178
SITE LAYOUT PLAN - KEY MAP

SHEET
3
OF
37
SHEETS
CV03

Name: Willis Date: Sep 30, 2021 -04:01:56pm File: Z:\1800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set1_KCSP-CV.dwg

GENERAL NOTES

- (1) ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS, THE KING COUNTY CODE (KCC), THE KING COUNTY ROAD DESIGN AND CONSTRUCTION STANDARDS (KCRDCS), WASHINGTON STATE DOT (WSDOT) STANDARD SPECIFICATIONS AND THE CONDITIONS OF PRELIMINARY APPROVAL. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL CIVIL ENGINEER TO CORRECT ANY ERROR, OMISSION, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS. ALL CORRECTIONS SHALL BE AT NO ADDITIONAL COST OR LIABILITY TO KING COUNTY.
- (2) THE DESIGN ELEMENTS WITHIN THESE PLANS HAVE BEEN REVIEWED ACCORDING TO THE KING COUNTY DEPARTMENT OF LOCAL SERVICES, PERMITTING DIVISION (DLS PERMITTING) ENGINEERING REVIEW CHECKLIST. SOME ELEMENTS MAY HAVE BEEN OVERLOOKED OR MISSED BY THE DLS PERMITTING PLAN REVIEWER. ANY VARIANCE FROM ADOPTED STANDARDS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY KING COUNTY PRIOR TO CONSTRUCTION.
- (3) APPROVAL OF THIS SITE, GRADING, PARKING AND DRAINAGE PLAN DOES NOT CONSTITUTE AN APPROVAL OF ANY OTHER CONSTRUCTION (E.G. DOMESTIC WATER CONVEYANCE, SEWER CONVEYANCE, GAS, ELECTRICAL, ETC.)
- (4) BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING MUST BE HELD BETWEEN THE DLS PERMITTING DEVELOPMENT INSPECTOR, THE CONTRACTOR, AND THE CONTRACTOR'S CONSTRUCTION REPRESENTATIVE.
- (5) STAGING ON SITE WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE TO DEVELOP THE STAGING YARD PLAN AND SUBMIT TO KING COUNTY FOR APPROVAL PRIOR TO IMPLEMENTATION. STAGING YARD MUST BE LOCATED OUTSIDE OF DESIGNATED BUFFERS; OLYMPIC PIPELINE OFFSET ZONE; SCL CLEAR ZONE; PARK PARKING LOT; AND RESTRICTING ACCESS TO THE PARK.
- (6) A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- (7) GRADING ACTIVITIES (SITE ALTERATION) ARE LIMITED TO THE HOURS OF 7 A.M. TO 7 P.M. MONDAY THROUGH SATURDAY AND 10 A.M. TO 5 P.M. ON SUNDAY, UNLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY DLS PERMITTING.
- (8) FRANCHISED UTILITIES OR OTHER INSTALLATIONS THAT ARE NOT SHOWN ON THESE APPROVED PLANS SHALL NOT BE CONSTRUCTED UNLESS AN APPROVED SET OF PLANS THAT MEET ALL REQUIREMENTS OF KCRDCS CHAPTER 8 ARE SUBMITTED TO THE DLS PERMITTING DEVELOPMENT INSPECTOR THREE DAYS PRIOR TO CONSTRUCTION.
- (9) DATUM SHALL BE NAVD88 UNLESS OTHERWISE APPROVED BY DLS PERMITTING.
- (10) OPEN CUTTING OF EXISTING ROADWAYS FOR NON-FRANCHISED UTILITY OR STORM WORK IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY DLS PERMITTING AND NOTED ON THESE APPROVED PLANS. ANY OPEN CUT SHALL BE RESTORED IN ACCORDANCE WITH KCRDCS.
- (11) EXISTING INFILTRATION DRAINS ENCOUNTERED DURING EXCAVATION SHALL BE CUT AND REMOVED WITHIN THE EXCAVATION AREA. INFILTRATION DRAINS REMAINING SHALL BE PLUGGED.
- (12) OLYMPIC PIPELINE
 - (A) CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OLYMPIC PIPELINE.
 - (B) WORK PERFORMED WITHIN OLYMPIC PIPELINE WORK ZONE LIMITS MUST HAVE A REPRESENTATIVE OF OLYMPIC PIPELINE PRESENT OR WRITTEN AUTHORIZATION FOR SPECIFIC WORK IF NO OLYMPIC PIPELINE REPRESENTATIVE IS ON SITE.
 - (C) SITE CONSTRUCTION ACCESS MUST BE APPROVED BY OLYMPIC PIPELINE REPRESENTATIVE.
- (13) SEATTLE CITY LIGHT - A 20-FOOT RADIAL CLEARANCE FROM OVERHEAD 230KV LINES MUST BE MAINTAINED AT ALL TIMES.
- (14) TREES WILL BE PROTECTED TO AVOID DAMAGE DURING CONSTRUCTION.

STORMWATER GENERAL NOTES

- (1) PROOF OF LIABILITY INSURANCE SHALL BE SUBMITTED TO DLS PERMITTING PRIOR TO THE CONSTRUCTION OF THE DRAINAGE FACILITIES, PREFERABLY AT THE PRECONSTRUCTION MEETING.
- (2) ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT SPECIFICATIONS. THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL, AND ANY REQUIRED PIPE BEDDING, TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.
- (3) STEEL PIPE SHALL BE ALUMINIZED, OR GALVANIZED WITH ASPHALT TREATMENT #1 OR BETTER INSIDE AND OUTSIDE.
- (4) ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK, SHALL HAVE SOLID LOCKING LIDS. ALL DRAINAGE STRUCTURES ASSOCIATED WITH A PERMANENT RETENTION/DETENTION FACILITY SHALL HAVE SOLID LOCKING LIDS.
- (5) ALL CATCH BASIN GRATES SHALL CONFORM TO KCRDCS, WHICH INCLUDES THE STAMPING "OUTFALL TO STREAM, DUMP NO POLLUTANTS" AND "PROPERTY OF KING COUNTY", EXCEPT THAT PRIVATE DRAINAGE SYSTEMS SHALL NOT HAVE THE WORDS "PROPERTY OF KING COUNTY".
- (6) ALL DISTURBED PERVIOUS AREAS (COMPACTED, GRADED, LANDSCAPED, ETC.) OF THE DEVELOPMENT SITE MUST DEMONSTRATE ONE OF THE FOLLOWING, IN ACCORDANCE WITH KCC AND THE LOW IMPACT DEVELOPMENT (LID) COMPONENTS OF THE APPROVED SITE PLAN: THE EXISTING DUFF LAYER SHALL BE STAGED AND REDISTRIBUTED TO MAINTAIN THE MOISTURE CAPACITY OF THE SOIL, OR; AMENDED SOIL SHALL BE ADDED TO MAINTAIN THE MOISTURE CAPACITY.
- (7) SEASONAL CLEARING IS LIMITED BETWEEN OCTOBER 1 AND APRIL 30 INCLUSIVE, UNLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY DLS PERMITTING.
- (8) IMPROVEMENTS AND/OR BUILDINGS SHALL NOT BE INSTALLED UNTIL DRAINAGE FACILITIES ARE "IN OPERATION", (KCC 9.04).

SURVEY NOTES

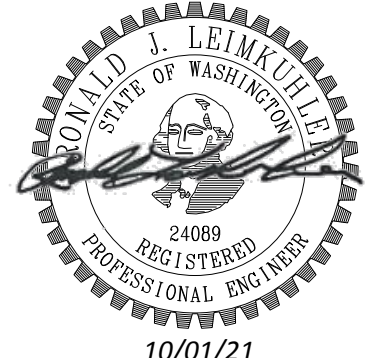

- (1) NORTHING AND EASTING CONTROL BASED ON KING COUNTY SURVEY PROVIDED BASE MAP PERFORMED IN 2018. MERIDIAN WASHINGTON STATE LAMBERT GRID NORTH ZONE NAD 83/91 VERTICAL DATUM NAVD 88.

LIGHTING GENERAL NOTES

- (1) CONTRACTOR SHALL CONTACT LIGHTING CONSTRUCTION SUPERVISOR AND ELECTRICAL INSPECTOR PRIOR TO COMMENCING WORK.
- (2) CONTRACTOR TO SECURE ELECTRIC PERMITS.
- (3) FOR BASKETBALL COURT LIGHTING SYSTEM, WIRING SHOWN IS SCHEMATIC AND FOR REFERENCE ONLY. CONTRACTOR TO DETERMINE EXISTING AND NEW LOADS. VERIFY SERVICE CAPACITY AND UPGRADE SERVICE TO ACCOMMODATE NEW LIGHTS AS NEEDED. CONTRACTOR TO DETERMINE CONDUIT RUNS, ALIGNMENTS, WIRING SCHEDULE AND PHOTOMETRIC CALCULATIONS IN COORDINATION WITH VENDORS.

FOR CONSTRUCTION


 KNOW WHAT'S BELOW.
 CALL 2 BUSINESS DAYS
 BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM			 King County Department of Natural Resources and Parks Parks and Recreation Division Capital Projects Section 201 S. Jackson St., Suite 700, Seattle, WA 98104 <i>Christie True, Director</i>	SKYWAY PARK IMPROVEMENTS		SHEET
PROJECT #	1129700	DATE	REV #	REVISION	BY	DATE	ARCH.	NA			SKYWAY PARK		4
ISSUED	-	09/30/2021					STRUCT. ENG.	NA			7121 S. 120TH PLACE		OF
APPROVED	R. LEIMKUHLER	09/30/2021					CIVIL ENG.	KPFF			SEATTLE, WA 98178		37
REVIEWED	R. LEIMKUHLER	09/30/2021					LAND. ARCH.	NA			GENERAL NOTES		SHEETS
DRAWN	J. ONG	09/30/2021											CV04

OLYMPIC PIPE LINE COMPANY GENERAL NOTES

GENERAL SAFETY REQUIREMENTS

- WASHINGTON AND OREGON UNDERGROUND UTILITY LOCATING SERVICES "ONE CALL" MUST BE CONTACTED AT LEAST 48 HOURS (2 BUSINESS DAYS FOLLOWING THE PLACEMENT OF THE CALL) BEFORE ANY CONSTRUCTION AND OR EXCAVATION ACTIVITIES ARE INITIATED WITHIN THE PIPELINE RIGHT-OF-WAY SO THAT OLYMPIC PIPE LINE COMPANY (OPLC) MAY HAVE A REPRESENTATIVE PRESENT TO ENSURE THAT THERE ARE NO CONFLICTS WITH THE OLYMPIC PIPELINE COMPANY (OPLC) PIPELINE. THE ONE CALL NUMBER IN WASHINGTON AND OREGON IS " 811" OR, YOU MAY ENTER A TICKET ONLINE AT WWW.CALLBEFOREYOU.DIG.ORG. THERE IS NO COST TO THE THIRD PARTY CONTRACTOR TO USE THE ONE-CALL NOTIFICATION SERVICE. HOWEVER, FAILURE TO UTILIZE THE ONE-CALL SERVICE CAN BE QUITE COSTLY IN TERMS OF UNNECESSARY RISK FOR THE CONTRACTOR/EXCAVATOR, THEIR EMPLOYEES, INNOCENT BYSTANDERS, PERSONAL PROPERTY OF OTHER AND THE ENVIRONMENT; AS WELL AS POTENTIAL CIVIL PENALTIES AND/OR FINES (WASHINGTON STATE RCW 19.122.030 AND OREGON STATE OAR 952-001-0050.)
- TO HAVE THE PIPELINE PHYSICALLY LOCATED AND DEPTH VERIFIED, PLEASE CONTACT OLYMPIC'S RIGHT-OF-WAY AGENT AT (425) 981-2575.
- OPLC REQUIRES A REPRESENTATIVE/INSPECTOR ON SITE WHEN ANY WORK IS BEING PERFORMED WITHIN TWENTY-FIVE FEET (25') OF THE PIPELINE(S) OR IF THE REACH OF MECHANIZED EQUIPMENT IS CAPABLE OF EXTENDING WITHIN TWENTY-FIVE FEET (25') OF THE PIPELINE(S). FORTY-EIGHT (48) HOURS (2 WORKING DAYS) PRIOR NOTICE TO OPLC IS HIGHLY RECOMMENDED FOR ANY WORK. NOTICE TO OPLC DOES NOT RELIEVE THE CONTRACTOR OF ANY NOTIFICATION RESPONSIBILITY TO THE APPROPRIATE STATE ONE-CALL SYSTEM. CONTRACTOR IS RESPONSIBLE TO MAKE ALL NOTIFICATIONS TO OPLC.
- THE REQUESTER AND/OR ITS CONTRACTOR IS RESPONSIBLE FOR TAKING ALL NECESSARY SAFETY PRECAUTIONS AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGES CAUSED TO THE PIPELINE OR PROPERTY AS A RESULT OF THEIR WORK.

GENERAL CONSTRUCTION ACTIVITIES

- TO GAIN ACCESS TO THE JOB SITE, THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING WHERE CONSTRUCTION EQUIPMENT WILL CROSS THE PIPELINE, ALONG WITH THE DEPTH OF THE PIPE AT THE CROSSINGS, ANY PROPOSED RAMPING OVER THE PIPELINE, TOGETHER WITH THE FOLLOWING SPECIFICATIONS FOR THE EQUIPMENT: TYPE AND FULLY LOADED WEIGHT OF EQUIPMENT; FOR TRACKED EQUIPMENT - TRACK SHOE WIDTH AND LENGTH OF TRACK ON GROUND; FOR WHEELED EQUIPMENT - NUMBER OF AXLES (SINGLE OR TANDEM AXLES). OPLC WILL PERFORM A STRESS FACTOR CALCULATION TO DETERMINE IF THE EQUIPMENT CAN SAFELY CROSS THE PIPELINE. IF CROSSING OF THE PIPELINE IS ALLOWED, SPECIAL MEASURES MAY NEED TO BE TAKEN TO ENSURE THE INTEGRITY OF THE PIPELINE.
- THE CONTRACTOR SHALL NOT BE PERMITTED TO TRANSPORT CONSTRUCTION MATERIALS OR EQUIPMENT LONGITUDINALLY OVER THE PIPELINE. WHERE IT IS NECESSARY FOR CONSTRUCTION EQUIPMENT (I.E., TRACTORS, BACKHOES, DUMP TRUCKS, ETC.) OR EQUIPMENT TRANSPORTING CONSTRUCTION MATERIALS TO CROSS THE PIPELINE, THE CROSSING OF THE PIPELINE RIGHT-OF-WAY SHALL BE AT, OR AS NEAR TO, A 90° ANGLE AS IS FEASIBLE.
- NO TRACK TYPE CONSTRUCTION EQUIPMENT SHALL BE PERMITTED TO PIVOT OR TURN DIRECTLY OVER THE TOP OF THE PIPELINE.
- A SCRAPER OR PAN TYPE TRACTOR SHALL NOT BE USED FOR REMOVAL OF SOIL WITHIN TEN FEET (10') OF THE CENTERLINE OF THE PIPELINE. RUBBER TIRE OR SMALL TRACK TYPE EQUIPMENT IS AN ACCEPTABLE ALTERNATIVE.
- A SHEEPSFOOT ROLLER SHALL NOT BE USED FOR COMPACTION PURPOSES WITHIN FIVE FEET (5') OF THE CENTERLINE OF THE PIPELINE.
- NO VIBRATORY ROLLERS SHALL BE USED WITHIN THREE FEET (3') OF THE CENTERLINE OF THE PIPELINE UNTIL THE COMPACTED COVER OVER THE PIPELINE HAS REACHED A DEPTH OF THREE AND ONE-HALF FEET (3 ½).

EXCAVATION SPECIFIC REQUIREMENTS

- NO EXCAVATION OR CONSTRUCTION ACTIVITY WILL BE PERMITTED IN THE VICINITY OF THE PIPELINE(S) UNTIL ALL APPROPRIATE COMMUNICATIONS HAVE BEEN MADE WITH OPLC'S FIELD OPERATIONS AND THE RIGHT-OF-WAY DEPARTMENT. A FORMAL ENGINEERING ASSESSMENT MAY BE REQUIRED.
- THERE SHALL BE NO EXCAVATION OR BACKFILLING WITHIN THE PIPELINE RIGHT-OF-WAY FOR ANY REASON WITHOUT A REPRESENTATIVE FROM OPLC ON-SITE STATING PERMISSION.
- ANY EXCAVATION WITHIN 2 FEET (2') OF THE PIPELINE SHALL BE DONE BY HAND, OR BY OTHER NON-MECHANICAL MEANS AS APPROVED BY OPLC PERSONNEL.

PARKING LOTS, ROADS, DRIVEWAYS, FENCES, AND STRUCTURES

- THERE SHALL BE A MINIMUM VERTICAL SEPARATION OF TWO FEET (2') BETWEEN THE PIPELINE AND ANY UNDERGROUND UTILITY STRUCTURE CONSTRUCTED ON THE PIPELINE RIGHT-OF-WAY, REGARDLESS OF HORIZONTAL CLEARANCE.
- FOR PROPOSED ROAD CROSSINGS AND DRIVEWAYS, OPLC WILL PERFORM A STRESS FACTOR CALCULATION TO DETERMINE THE AMOUNT OF COVER REQUIRED OVER THE PIPELINE. UNDER NO CIRCUMSTANCES SHALL COVER BE LESS THAN THE FOLLOWING: A) FIVE AND ONE HALF FEET (5.5') FOR ALL ROAD CROSSINGS AND COMMERCIAL DRIVEWAYS, AND B) THREE FEET (3') FOR RESIDENTIAL DRIVEWAYS.
- A MINIMUM OF FOUR FEET (4') OF COVER IS REQUIRED FOR ALL DRAINAGE DITCHES.

FOREIGN LINE OR UTILITY CROSSINGS

- ALL FOREIGN LINES SHALL CROSS THE PIPELINE RIGHT-OF-WAY AT, OR AS NEAR TO, A 90° ANGLE AS IS FEASIBLE. IN NO INSTANCE SHALL THE ANGLE OF THE CROSSING BE LESS THAN 45°.
- IN NO INSTANCE SHALL THE FOREIGN LINE BE PLACED PARALLEL TO THE PIPELINE RIGHT-OF-WAY.
- THE FOREIGN LINE SHALL CROSS UNDER THE PIPELINE WITH AT LEAST TWO FEET (2') OF VERTICAL SEPARATION (THREE FEET (3') FOR FIBER OPTICS).
- IF THE FOREIGN LINE IS A TELECOMMUNICATIONS CABLE, POWER CABLE, OR SIMILAR IN NATURE, THE FOREIGN LINE SHALL BE PLACED IN SCHEDULE 40 PVC CONDUIT, OR GREATER, FOR A LINEAR DISTANCE EXTENDING TEN FEET (10') ON EITHER SIDE OF CENTERLINE OF THE PIPELINE. THE ENTIRE LENGTH OF CARRIER PIPE SHALL EITHER BE ENCASED IN CONCRETE, OR SHALL HAVE A CONCRETE CAP PLACED ON TOP OF IT. HOWEVER, IF THE METHOD OF INSTALLATION IS BORE, AND CONCRETE IS IMPRACTICAL, THEN THE UTILITY SHALL BE PLACED IN HDPE.
- IF THE FOREIGN LINE IS A METALLIC PIPELINE, OR SIMILAR IN NATURE, THE FOREIGN LINE SHALL BE COATED WITH SUITABLE COATING FOR A DISTANCE OF AT LEAST FIFTY FEET (50') ON EITHER SIDE OF THE CENTERLINE OF THE PIPELINE. THE FOREIGN LINE OWNER, OPERATOR, OR THEIR CONTRACTOR, SHALL INSTALL CATHODIC PROTECTION BONDS AND POTENTIAL TEST LEADS TO THE FOREIGN LINE AT THE CROSSING LOCATION AND TERMINATE THE LEADS AT AN ABOVE-GROUND LOCATION AS IDENTIFIED BY OPLC'S ON-SITE REPRESENTATIVE. OPLC WILL INSTALL THE TEST LEADS ON OLYMPIC'S PIPELINE.
- BELOW-GROUND PRECAUTIONARY FLAGGING (WARNING TAPE) SHALL BE PLACED IN THE DITCH LINE ABOVE THE FOREIGN LINE. THE WARNING TAPE SHALL BE PLACED APPROXIMATELY ONE FOOT (1') BELOW THE FINAL SURFACE GRADE/ELEVATION. THE WARNING TAPE SHALL EXTEND FOR A LINEAR DISTANCE OF TEN FEET (10') ON EITHER SIDE OF THE CENTERLINE OF THE PIPELINE.

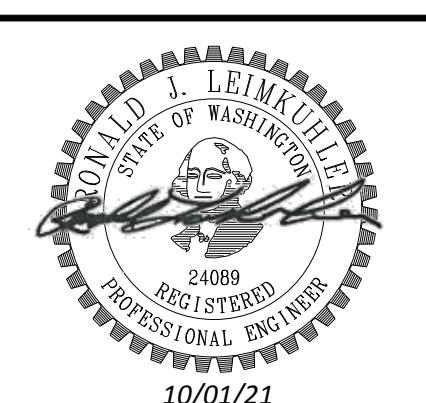
LANDSCAPE AND VEGETATION

- NO TREES NOR DEEP ROOTED SHRUBBERY ARE ALLOWED ON THE PIPELINE RIGHT-OF-WAY. OPLC MAY PERMIT THE INSTALLATION OF LIMITED LANDSCAPING AND MINOR SHRUBBERY PLANTINGS WITH WRITTEN COMMUNICATION AND/OR DOCUMENTATION. FOR A MAJOR DEVELOPMENT, LANDSCAPING PLANS MUST FIRST BE SUBMITTED IN WRITING TO OPLC FOR REVIEW AND APPROVAL. ANY PLANTINGS THAT RESTRICT EFFICIENT AERIAL INSPECTION OR LIMIT ACCESS TO THE EASEMENT AREA WILL BE CONSIDERED AN INTERFERENCE AND WILL NOT BE ALLOWED.
- DEVELOPMENT GRADING SHOULD NOT REMOVE ANY OF THE EXISTING GROUND COVER FROM, NOR ADD MORE THAN FOUR FEET (4') OF FILL OVER THE PIPELINE(S).

FOR CONSTRUCTION

Name: Willis Date: Sep 30, 2021 04:01:56pm File: Z:\18000001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set1_KCSP1-CV.dwg

SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	1129700	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	-	09/30/2021					STRUCT. ENG.	NA
APPROVED	R. LEIMKUHLER	09/30/2021					CIVIL ENG.	KPFF
REVIEWED	R. LEIMKUHLER	09/30/2021					LAND. ARCH.	NA
DRAWN	J. ONG	09/30/2021						



King County
 Department of Natural Resources and Parks
 Parks and Recreation Division
 Capital Projects Section
 201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

SKYWAY PARK IMPROVEMENTS
 SKYWAY PARK
 7121 S. 120TH PLACE
 SEATTLE, WA 98178

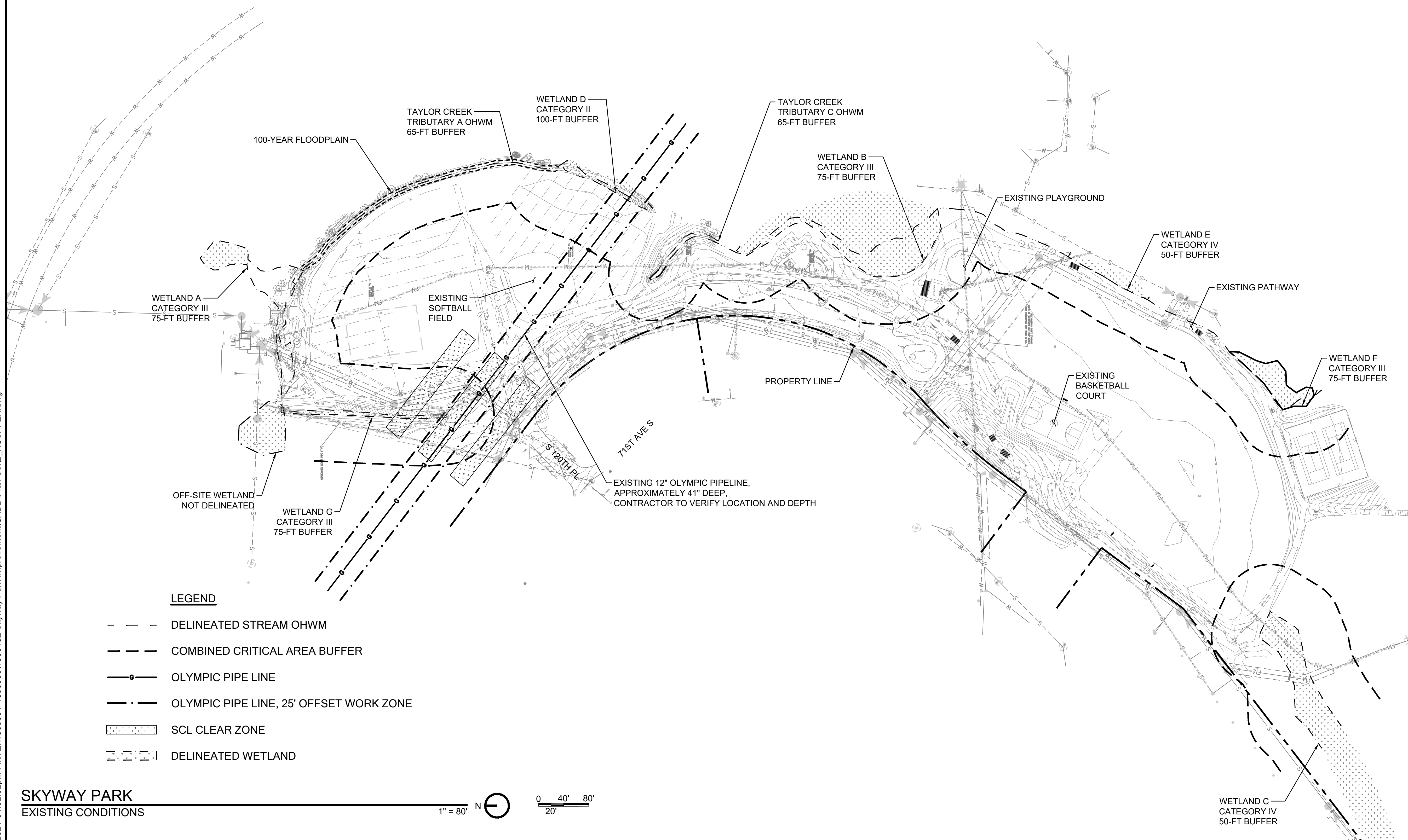
OLYMPIC PIPELINE GENERAL NOTES

SHEET
5
 OF
37
 SHEETS

CV05



SW 1/4 SEC. 12, T. 23 N., R. 4 E., W.M.



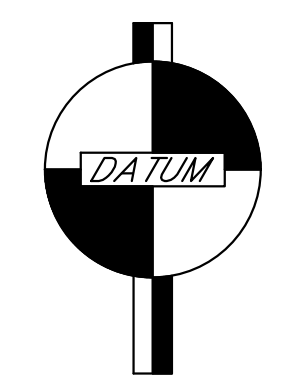
FOR CONSTRUCTION

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SKYWAY PARK
EXISTING CONDITIONS

LEGEND

- DELINEATED STREAM OHWM
- COMBINED CRITICAL AREA BUFFER
- OLYMPIC PIPE LINE
- OLYMPIC PIPE LINE, 25' OFFSET WORK ZONE
- ▨ SCL CLEAR ZONE
- ▨ DELINEATED WETLAND

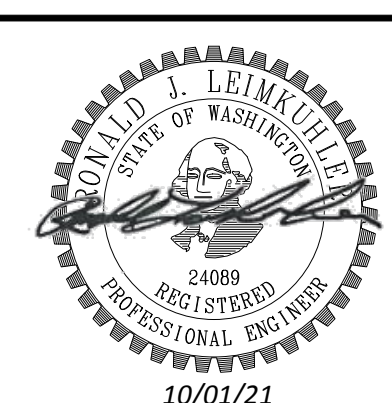


NAD 83/91
NAVD 88



KNOW WHAT'S BELOW.
CALL 2 BUSINESS DAYS
BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	-	09/30/2021				STRUCT. ENG.	NA
APPROVED	R. LEIMKUHLER	09/30/2021				CIVIL ENG.	KPFF
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DRAWN	J. ONG	09/30/2021					



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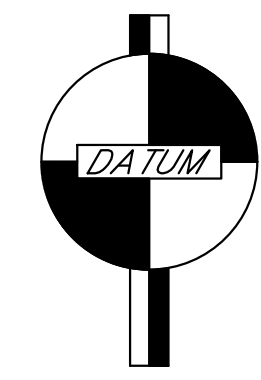
SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178
EXISTING CONDITIONS

SHEET
6
OF
37
SHEETS
EX01

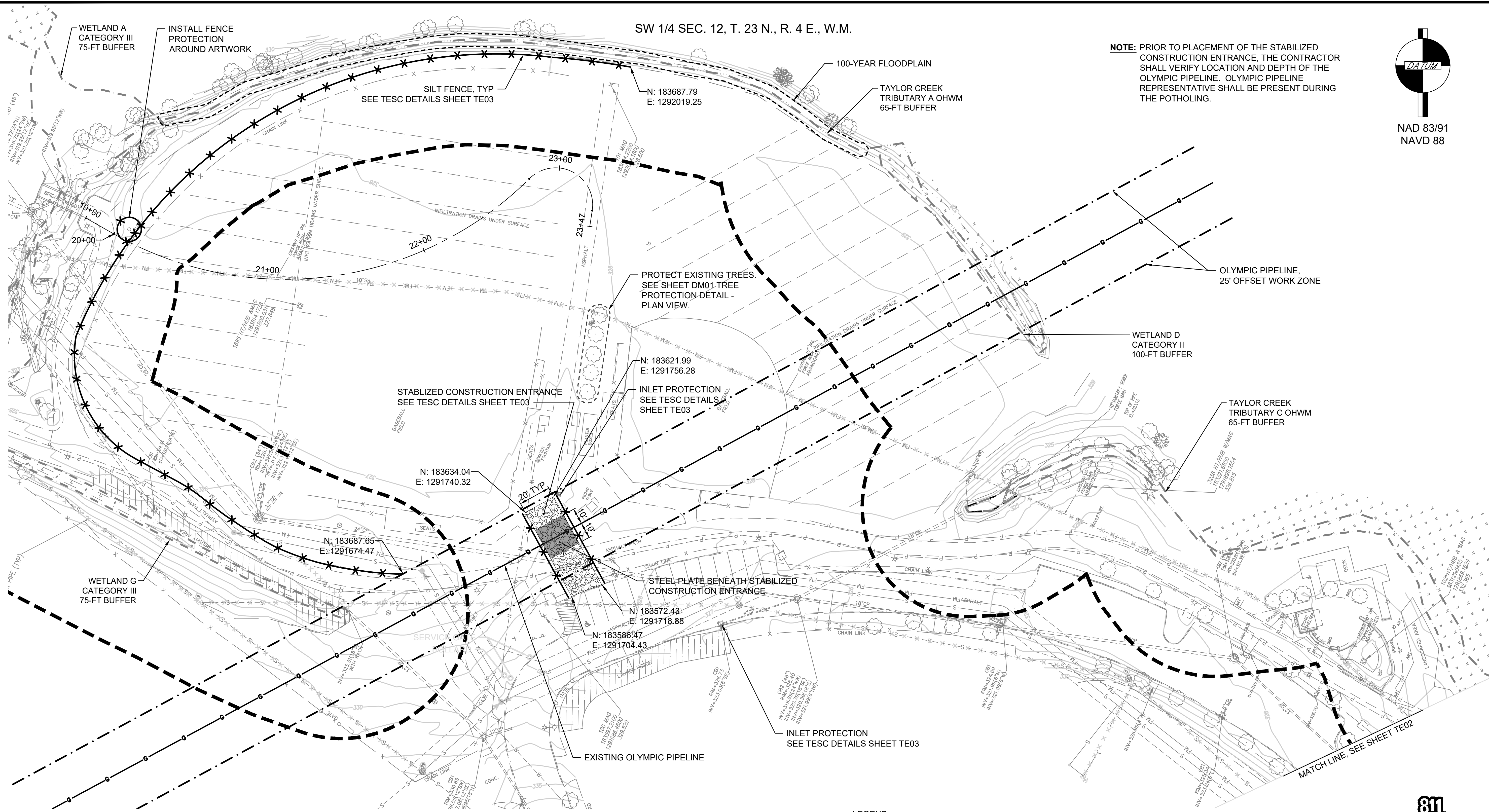
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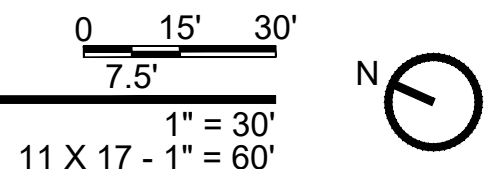
NOTE: PRIOR TO PLACEMENT OF THE STABILIZED CONSTRUCTION ENTRANCE, THE CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF THE OLYMPIC PIPELINE. OLYMPIC PIPELINE REPRESENTATIVE SHALL BE PRESENT DURING THE POTHOLING.



NAD 83/91
NAVD 88



SKYWAY PARK
TESC PLAN

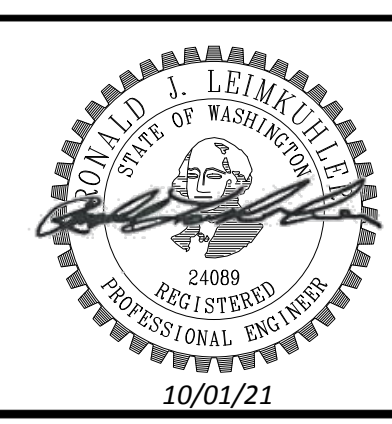


LEGEND	
	STABILIZED CONSTRUCTION ENTRANCE
	STEEL PLATE
	SILT FENCE
	STREAM OHWM
	WETLAND BOUNDARY
	COMBINED CRITICAL AREA BUFFER

811
KNOW WHAT'S BELOW.
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FOR CONSTRUCTION

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR			DESIGN TEAM		
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
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APPROVED	R. LEIMKUHLER	09/30/2021				CIVIL ENG.	KPFF
REVIEWED	R. LEIMKUHLER	09/30/2021				LAND. ARCH.	NA
DRAWN	J. ONG	09/30/2021					

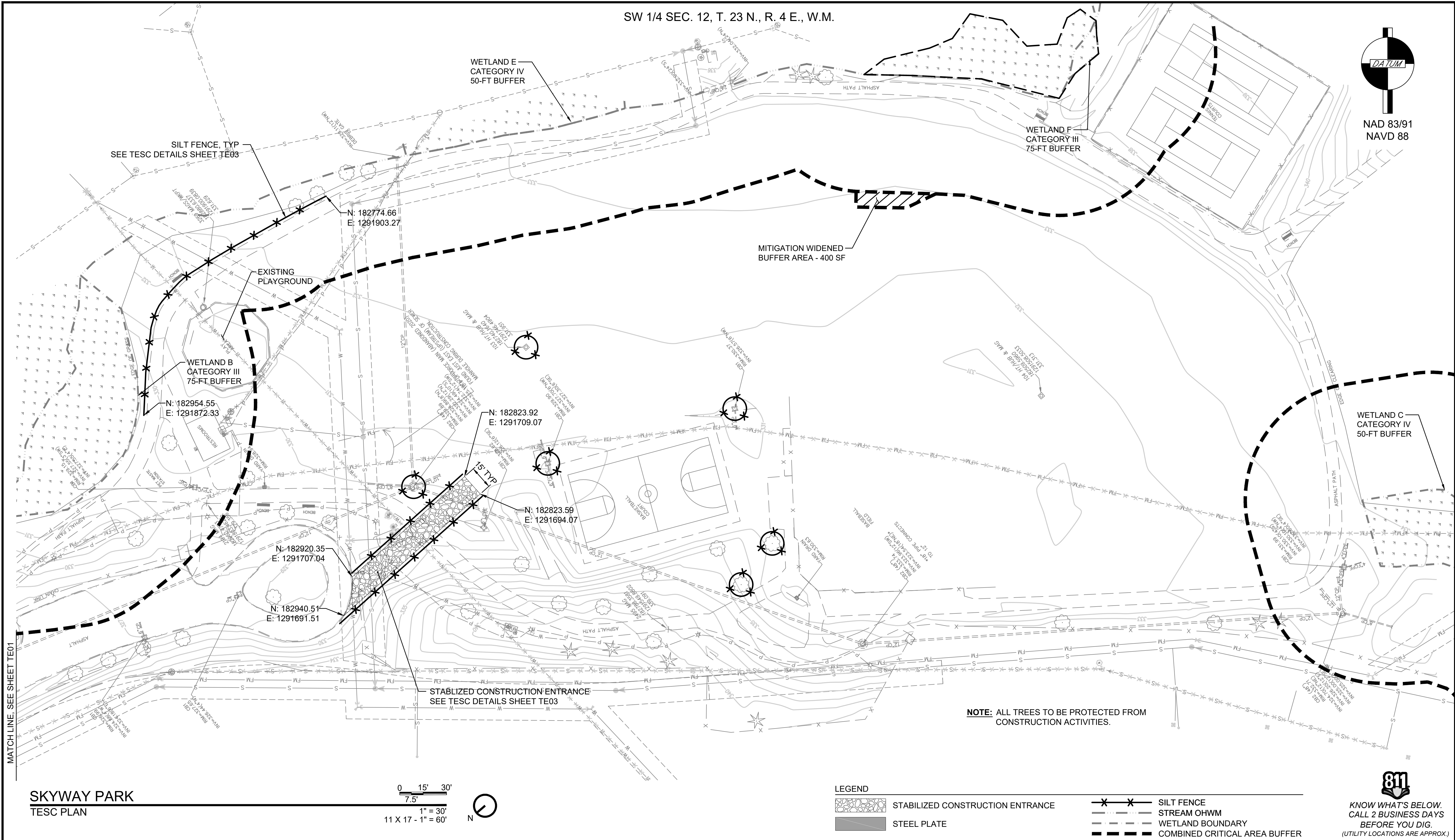


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Christie True, Director

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7121 S. 120TH PLACE
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TESC PLAN

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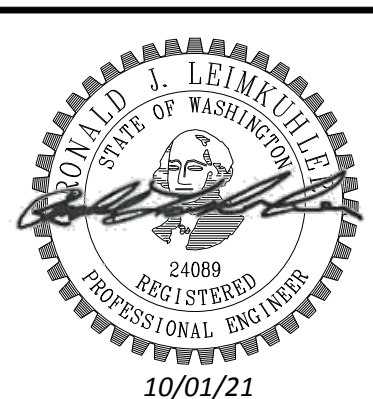


SKYWAY PARK
TESC PLAN

SKYWAY PARK IMPROVEMENTS	
PROJECT #	1129700
ISSUED	-
APPROVED	R. LEIMKUHLER
REVIEWED	R. LEIMKUHLER
DRAWN	J. ONG

PROJECT MANAGER: MARY LEAR			
REV #	REVISION	BY	DATE

DESIGN TEAM	
ARCH.	NA
STRUCT. ENG.	NA
CIVIL ENG.	KPFF
LAND. ARCH.	NA



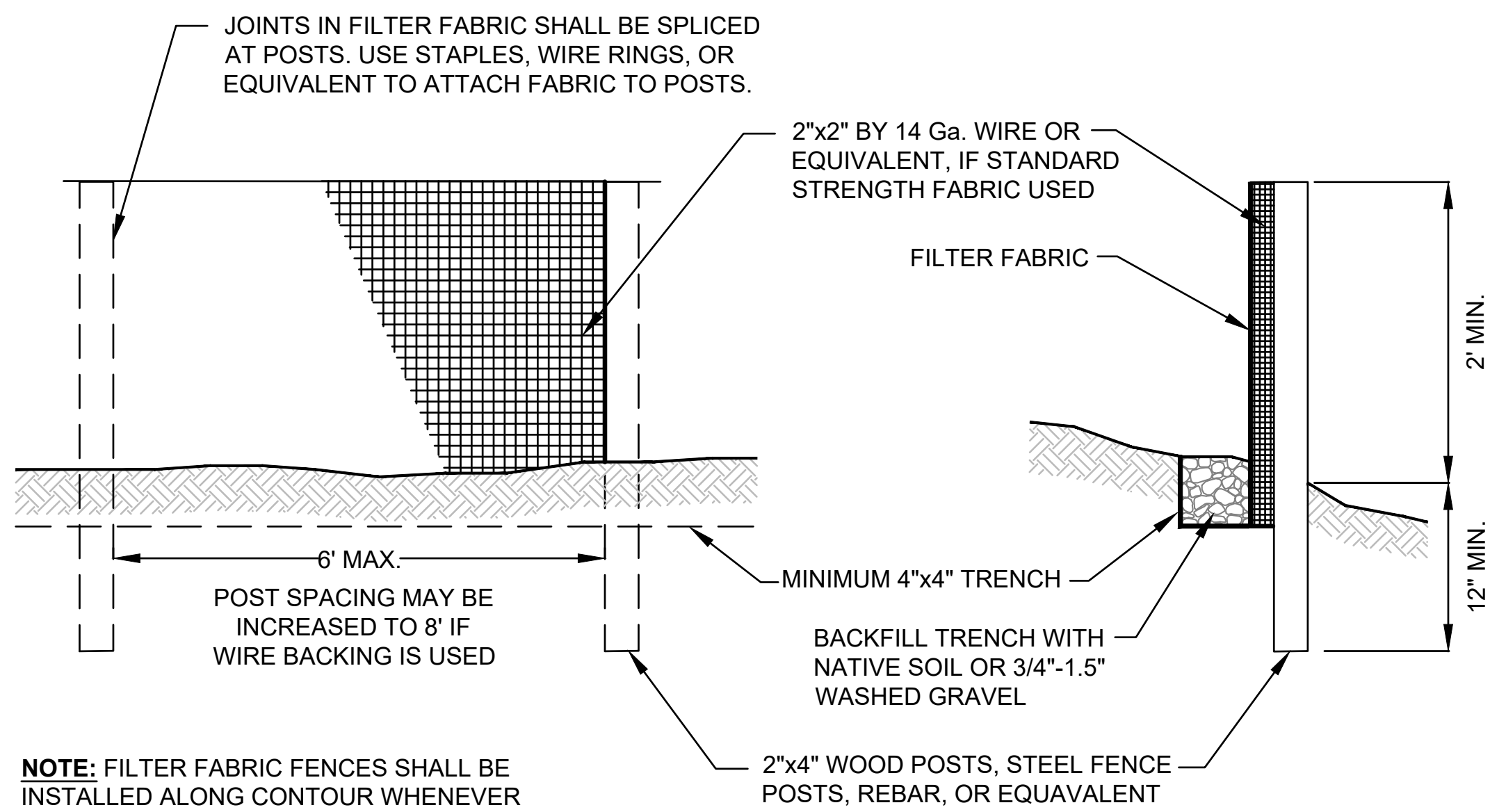
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SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
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SEATTLE, WA 98178
TESC PLAN

SHEET
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OF
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SHEETS
TE02

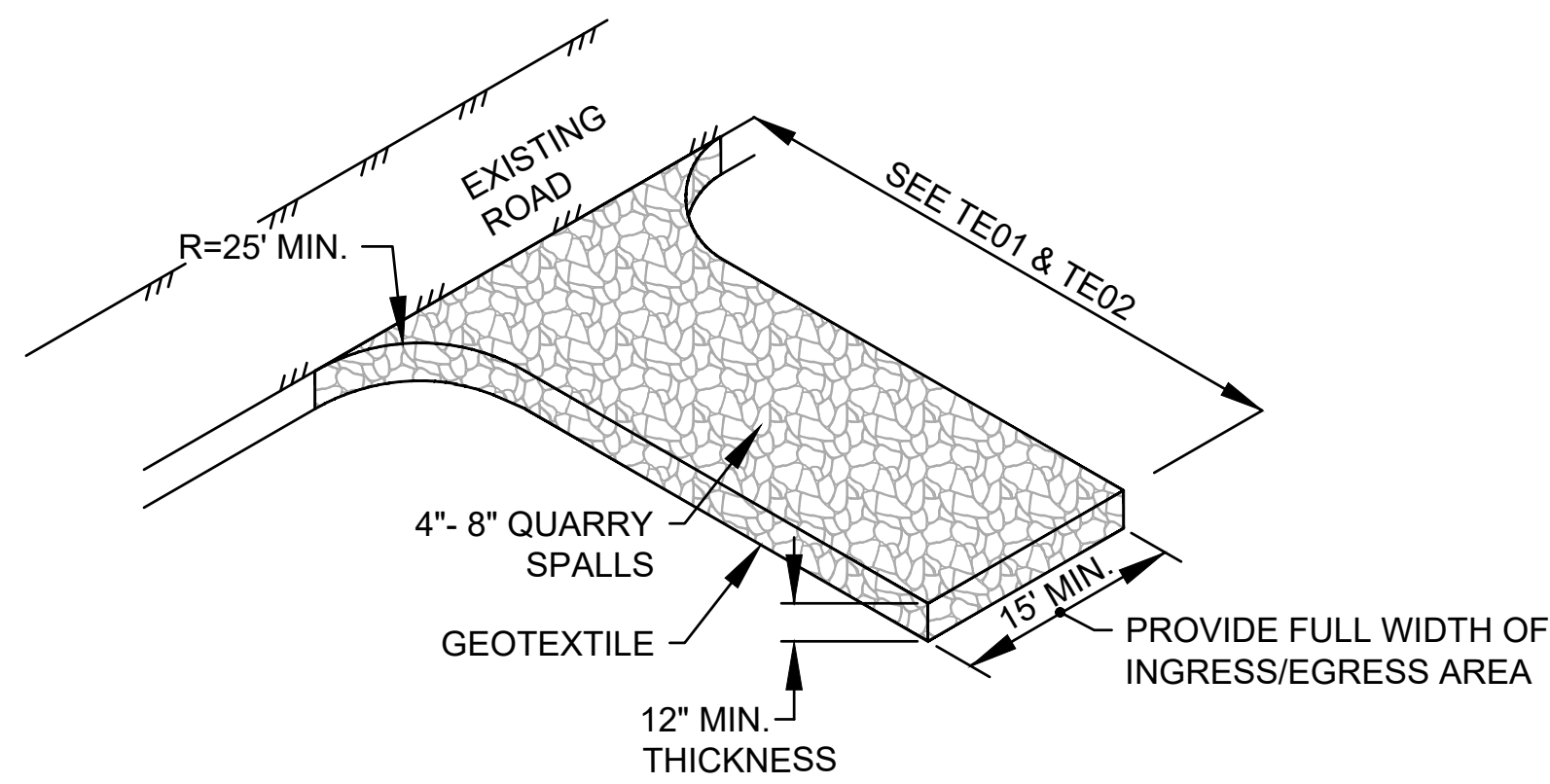
FOR CONSTRUCTION

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NOTE: FILTER FABRIC FENCES SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE

SILT FENCE DETAIL
NTS



NOTES:

- CROWN ENTRANCE SO THAT RUNOFF DRAINS OFF THE PAD.
- TWO 20 FOOT BY 10 FOOT STEEL PLATES SHALL BE INSTALLED AT THE CROSSING OF THE OLYMPIC PIPELINE. STEEL PLATES SHALL BE PLACED ON TOP OF GEOTEXTILE AND BELOW THE QUARRY SPALLS.

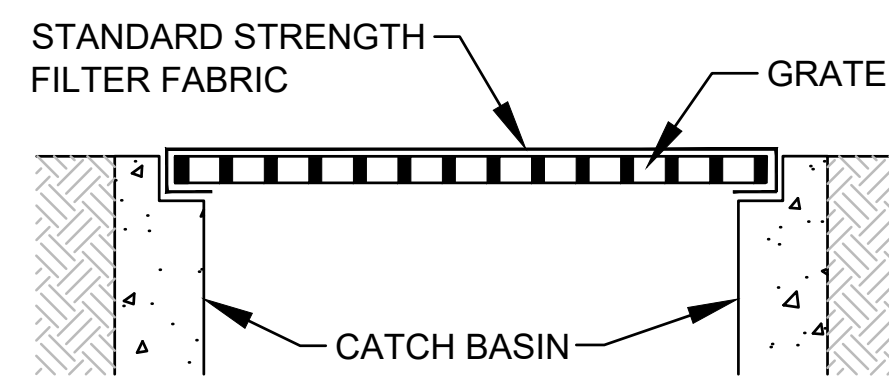
STABILIZED CONSTRUCTION ENTRANCE DETAIL
NTS

TESC SCHEDULE

- SUBMIT PROPOSED STAGING AREA FOR COUNTY APPROVAL.
- PRE-CONSTRUCTION MEETING.
- INSTALL CATCH BASIN PROTECTION AND FLOW CONTROL BMP AREA PROTECTION AS REQUIRED.
- GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
- INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
- GRADE AND STABILIZE CONSTRUCTION ENTRANCE(S).
- SETUP APPROVED STAGING AREA.
- CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT. CONSTRUCT SWPPS CONTROLS IN ANTICIPATION OF SCHEDULED CONSTRUCTION ACTIVITY (E.G., CONCRETE-RELATED PH MEASURES FOR UTILITY, VAULT OR ROADWAY CONSTRUCTION)
- MAINTAIN EROSION CONTROL AND SWPPS MEASURES IN ACCORDANCE WITH KING COUNTY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- RELOCATE EROSION CONTROL AND SWPPS MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL AND POLLUTANT PROTECTION IS ALWAYS IN ACCORDANCE WITH THE KING COUNTY CONSTRUCTION STORMWATER POLLUTION PREVENTION STANDARDS.
- UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BMPS REMOVED IF APPROPRIATE.

EROSION AND SEDIMENTATION CONTROL GENERAL NOTES

- APPROVAL OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) 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 THESE TESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE PROJECT EXTENT SHALL BE PERMITTED.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.
- THE TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, FLOW CONTROL BMP LOCATIONS (EXISTING AND PROPOSED), AND ADJACENT PROPERTIES IS MINIMIZED.
- THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.).
- THE TESC FACILITIES SHALL BE INSPECTED DAILY BY CONTRACTOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.
- ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED TESC COVER METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
- ANY AREA NEEDING TESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
- THE TESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR A MINIMUM OF ONCE A MONTH (MORE FREQUENTLY AS REQUIRED BY THE DPER SITE INSPECTOR) OR WITHIN 24 HOURS FOLLOWING A STORM EVENT.
- SEDIMENT FILTER FABRIC SHALL BE INSTALLED IN CATCH BASIN AND INSPECTED WEEKLY. CLEANING OF THE INSERT SHALL BE PERFORMED AS NEEDED TO PROVIDE INFLOW. 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 SYSTEM, THE TEMPORARY FACILITY MUST BE ROUGH GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY. FLOW CONTROL BMP FACILITY AREAS (EXISTING OR PROPOSED) SHALL NOT BE USED AS TEMPORARY FACILITIES AND SHALL BE PROTECTED FROM SEDIMENTATION AND INTRUSION.
- COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE KING COUNTY SURFACE WATER DESIGN MANUAL.
- PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DPER INSPECTOR FOR REVIEW.



INLET PROTECTION DETAIL
NTS

FOR CONSTRUCTION

811
KNOW WHAT'S BELOW.
CALL 2 BUSINESS DAYS
BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

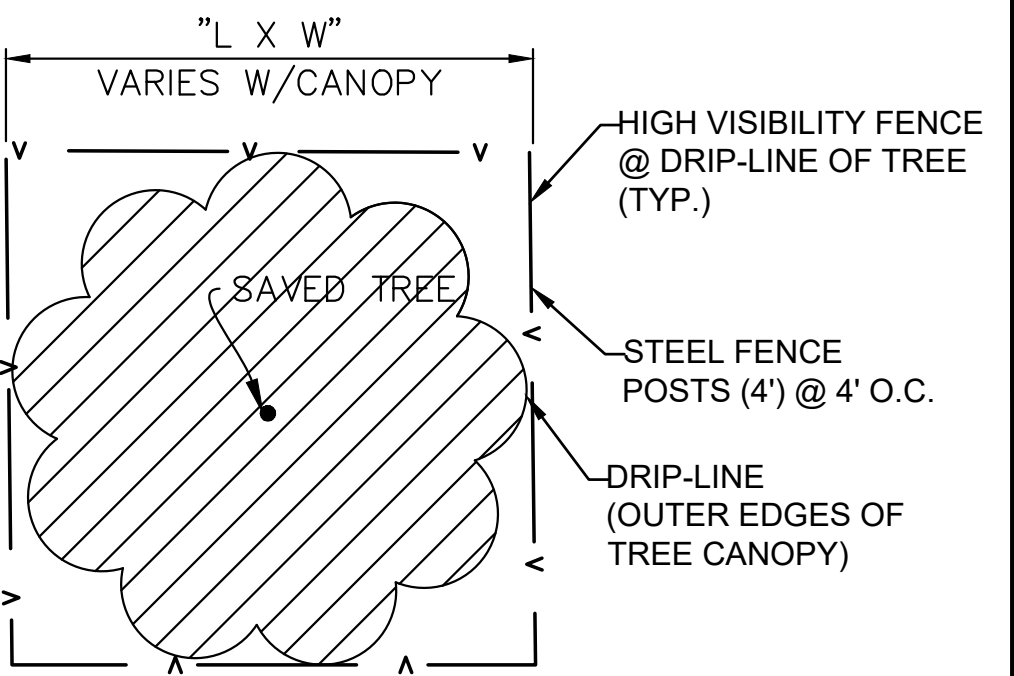
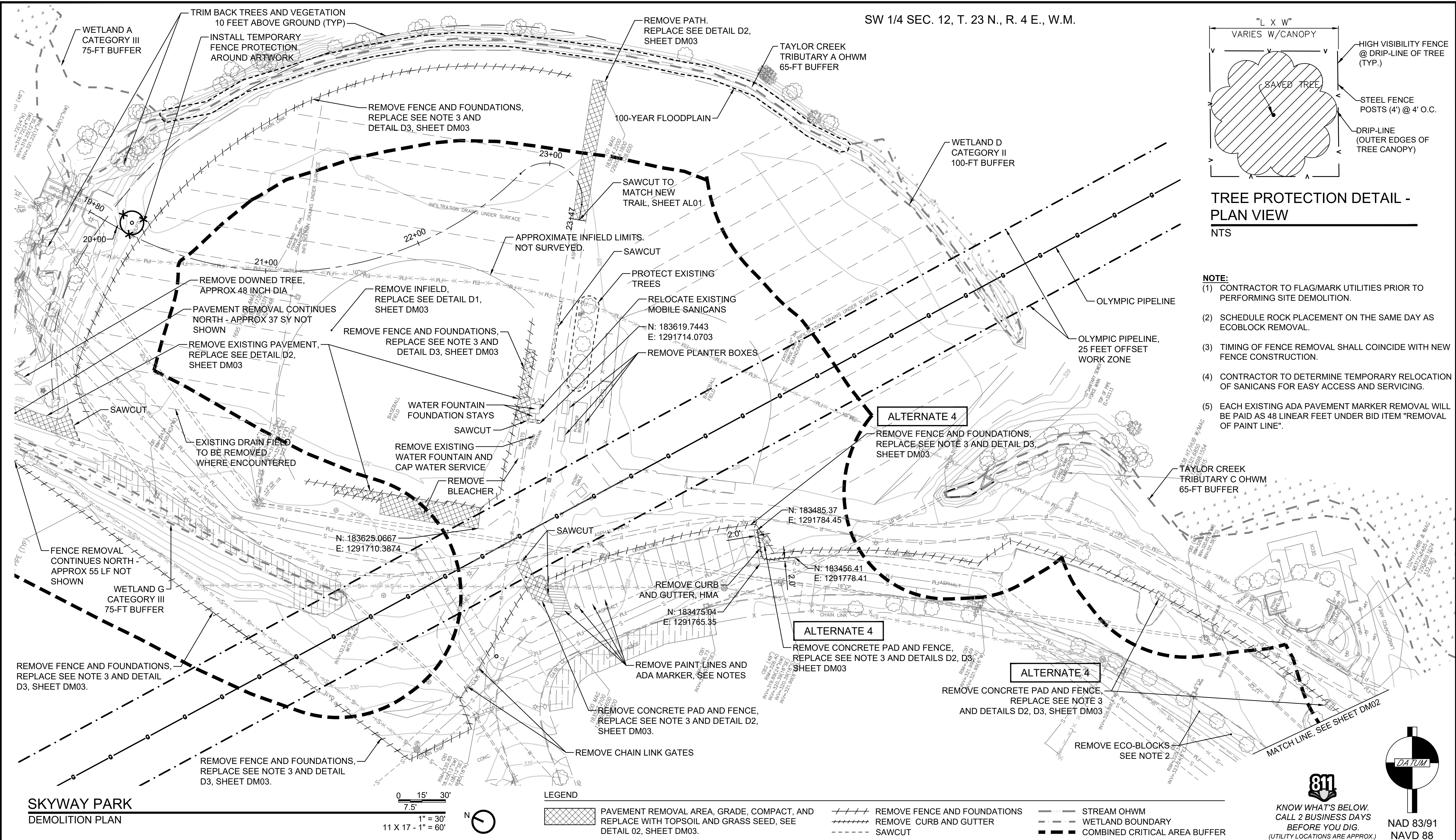
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PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA	
ISSUED	09/30/2021					STRUCT. ENG.	NA	
APPROVED	09/30/2021					CIVIL ENG.	KPFF	
REVIEWED	09/30/2021					LAND. ARCH.	NA	
DRAWN	09/30/2021							



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Christie True, Director

SKYWAY PARK IMPROVEMENTS		SHEET
SKYWAY PARK 7121 S. 120TH PLACE SEATTLE, WA 98178		9 OF 37 SHEETS
TESC DETAILS AND NOTES		TE03

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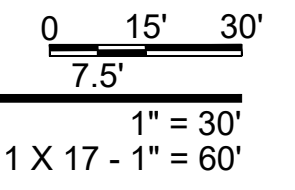


TREE PROTECTION DETAIL - PLAN VIEW
NTS

- NOTE:**
- (1) CONTRACTOR TO FLAG/MARK UTILITIES PRIOR TO PERFORMING SITE DEMOLITION.
 - (2) SCHEDULE ROCK PLACEMENT ON THE SAME DAY AS ECOBLOCK REMOVAL.
 - (3) TIMING OF FENCE REMOVAL SHALL COINCIDE WITH NEW FENCE CONSTRUCTION.
 - (4) CONTRACTOR TO DETERMINE TEMPORARY RELOCATION OF SANICANS FOR EASY ACCESS AND SERVICING.
 - (5) EACH EXISTING ADA PAVEMENT MARKER REMOVAL WILL BE PAID AS 48 LINEAR FEET UNDER BID ITEM "REMOVAL OF PAINT LINE".

FOR CONSTRUCTION

SKYWAY PARK DEMOLITION PLAN



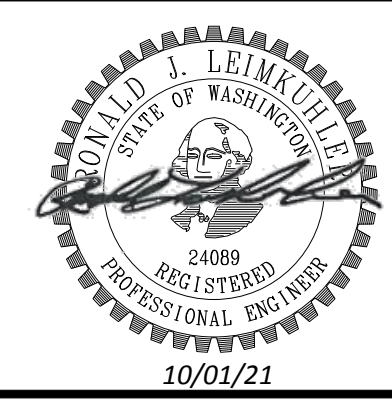
LEGEND

- PAVEMENT REMOVAL AREA, GRADE, COMPACT, AND REPLACE WITH TOPSOIL AND GRASS SEED, SEE DETAIL 02, SHEET DM03.
- REMOVE FENCE AND FOUNDATIONS
- REMOVE CURB AND GUTTER
- SAWCUT
- STREAM OHWM
- WETLAND BOUNDARY
- COMBINED CRITICAL AREA BUFFER

811
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(UTILITY LOCATIONS ARE APPROX.)

NAD 83/91
NAVD 88

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR			DESIGN TEAM		
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REVIEWED	09/30/2021					LAND. ARCH.	NA
DRAWN	09/30/2021						



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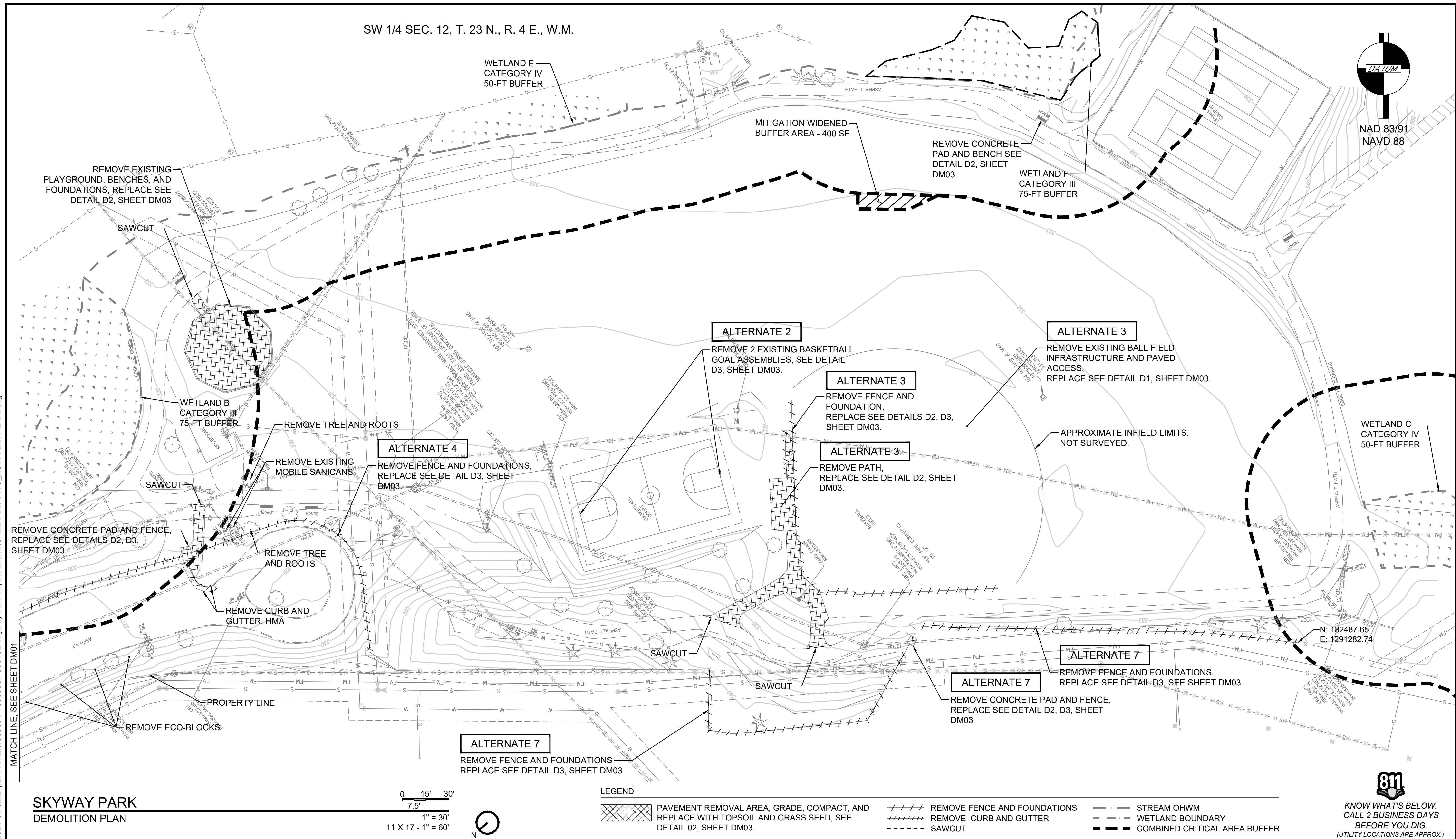
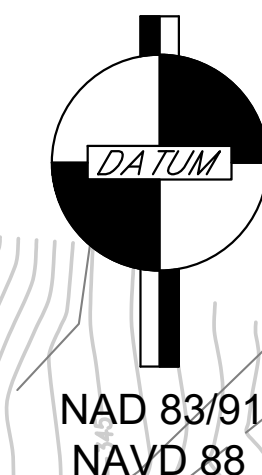
SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178

DEMOLITION PLAN

SHEET
10
OF
37
SHEETS

DM01

SW 1/4 SEC. 12, T. 23 N., R. 4 E., W.M.



FOR CONSTRUCTION

**SKYWAY PARK
DEMOLITION PLAN**

0 15' 30'
7.5'
1" = 30'
11 X 17 - 1" = 60'

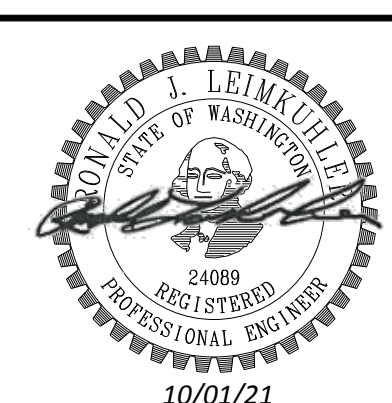
LEGEND

- PAVEMENT REMOVAL AREA, GRADE, COMPACT, AND REPLACE WITH TOPSOIL AND GRASS SEED, SEE DETAIL 02, SHEET DM03.
- REMOVE FENCE AND FOUNDATIONS
- REMOVE CURB AND GUTTER
- SAWCUT
- STREAM OHWM
- WETLAND BOUNDARY
- COMBINED CRITICAL AREA BUFFER



KNOW WHAT'S BELOW.
CALL 2 BUSINESS DAYS
BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR			DESIGN TEAM		
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	09/30/2021					STRUCT. ENG.	NA
APPROVED	09/30/2021					CIVIL ENG.	KPFF
REVIEWED	09/30/2021					LAND. ARCH.	NA
DRAWN	09/30/2021						



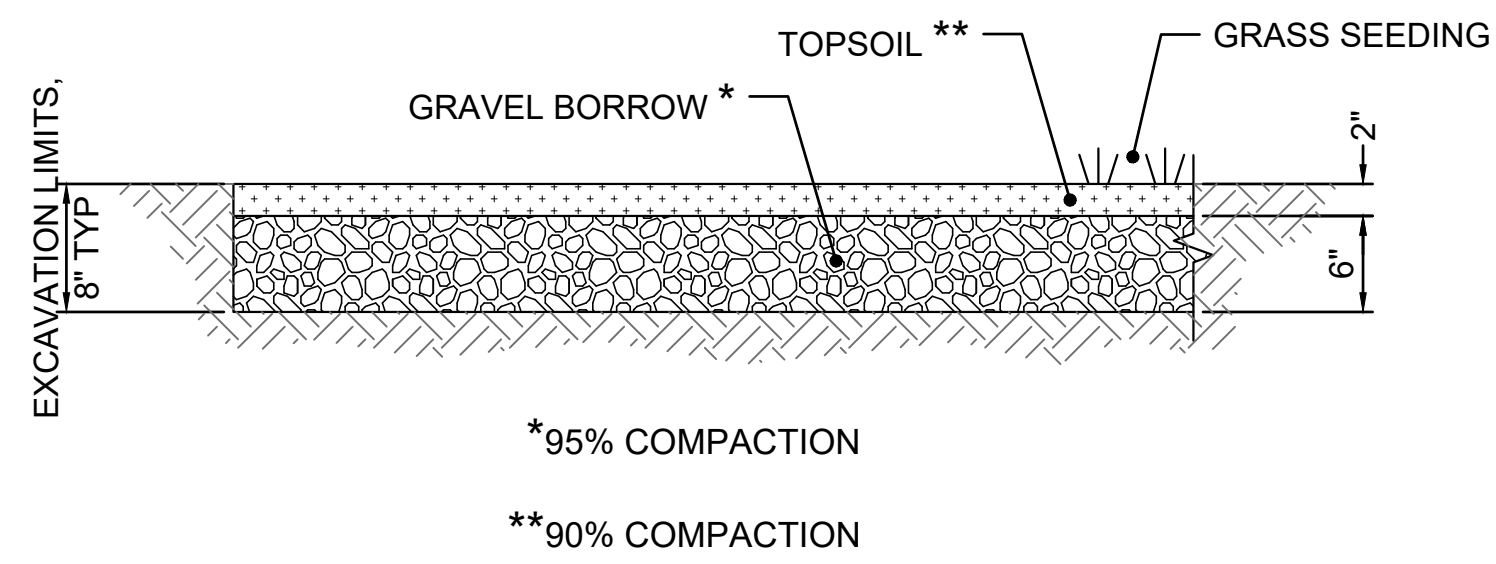
King County
Department of Natural Resources and Parks
Parks and Recreation Division
Capital Projects Section
201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178
DEMOLITION PLAN

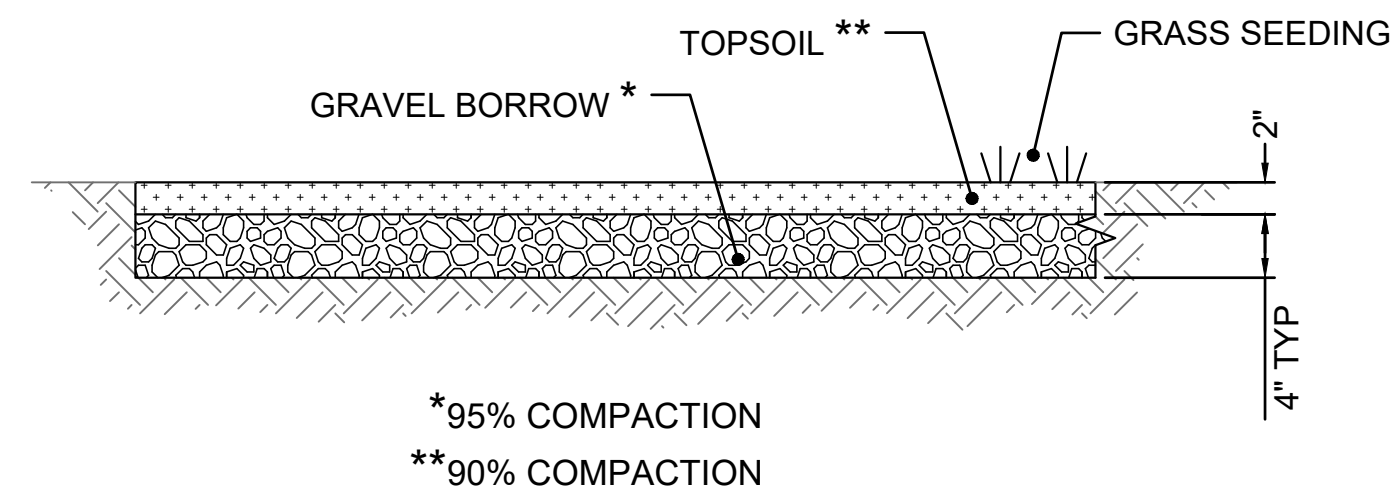
SHEET
11
OF
37
SHEETS
DM02

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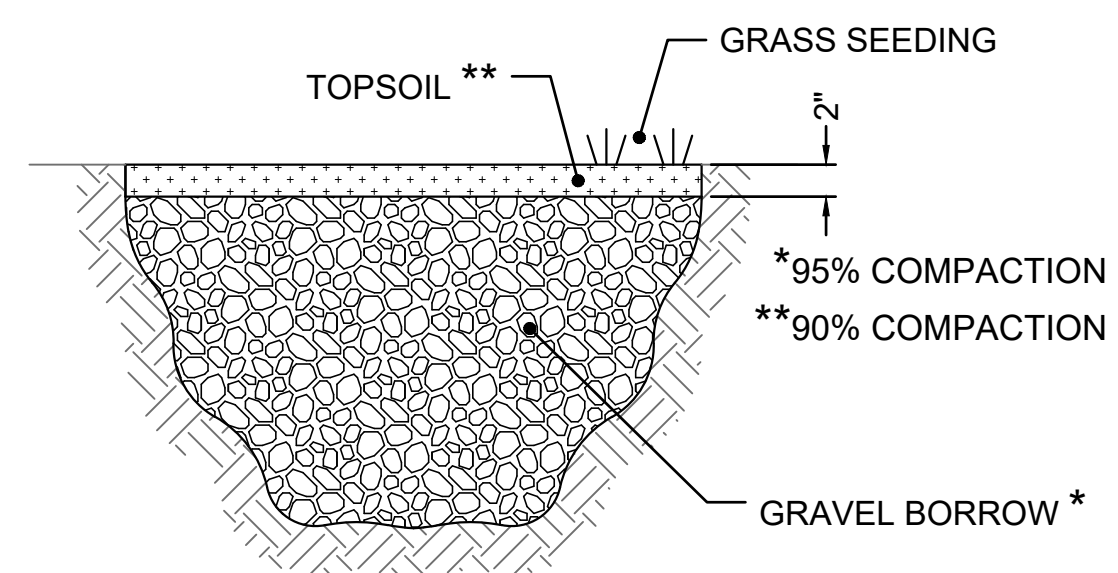
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D1 - BASEBALL INFIELD REMOVAL RESTORATION
NTS



D2 - PAVEMENT REMOVAL RESTORATION
NTS

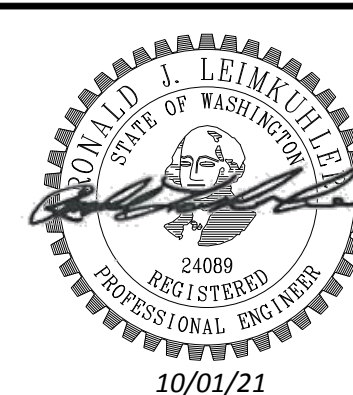


D3 - FENCE POST & BASKETBALL GOAL ASSEMBLY BACKFILL
NTS



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SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA	
ISSUED	-	09/30/2021				STRUCT. ENG.	NA	
APPROVED	R. LEIMKUHLER	09/30/2021				CIVIL ENG.	KPFF	
REVIEWED	R. LEIMKUHLER	09/30/2021				LAND. ARCH.	NA	
DRAWN	J. ONG	09/30/2021						



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Parks and Recreation Division
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Christie True, Director

SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178

DEMOLITION DETAILS

SHEET
12
OF
37
SHEETS

DM03

FOR CONSTRUCTION

Name: W:\11s Date: Sep 30, 2021 -04:02:31pm File: Z:\11800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\7_KCSP1-AL.dwg

SW 1/4 SEC. 12, T. 23 N., R. 4 E., W.M.

TAYLOR CREEK TRIBUTARY A OHWM 65-FT BUFFER

WETLAND D CATEGORY II 100-FT BUFFER

WETLAND B CATEGORY III 75-FT BUFFER

TAYLOR CREEK TRIBUTARY C OHWM 65-FT BUFFER

NAD 83/91
NAVD 88

N: 183937.8850
E: 1291793.4061
STA. 20+00.00'
MATCH EXISTING

S74° 37' 57"W
10.00'
N: 183670.2123
E: 1291918.6528
STA. 23+47.25'
MATCH EXISTING

PC 20+00.00
N5° 29' 35"E
20.00'

MITIGATION AREA
400 SF

WETLAND A
CATEGORY III
75-FT BUFFER

BEGIN PROPOSED TRAIL ALIGNMENT
N: 183957.7808
E: 1291795.4491
STA. 19+80.00'

PROPOSED TRAIL CENTERLINE

WETLAND G
CATEGORY III
75-FT BUFFER

OFF-SITE WETLAND
NOT DELINEATED

CURVE TABLE					
CURVE	PI STATION	RADIUS	LENGTH	TANGENT	DELTA
C1	21+63.32	215.00'	279.35'	163.32'	74°26'33"
C2	23+50.67	23.00'	57.91'	71.32'	144°15'11"

LEGEND
 COMBINED CRITICAL AREA BUFFER

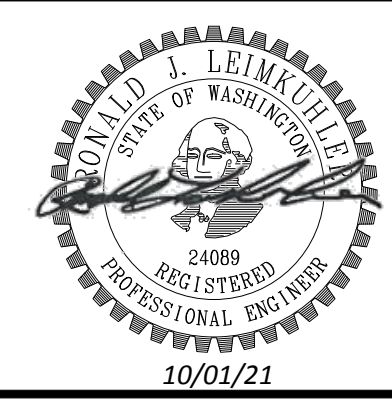
201 MIC/LT K02D11
N: 183584.7987
E: 1291368.7761
349.959

200 MIC/NL K02D08
N: 183448.9476
E: 1291547.3800
344.989

SKYWAY PARK
 PROPOSED TRAIL ALIGNMENT 1" = 40'
 11 X 17 - 1" = 80'

KNOW WHAT'S BELOW.
CALL 2 BUSINESS DAYS
BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	09/30/2021					STRUCT. ENG.	NA
APPROVED	09/30/2021					CIVIL ENG.	KPFF
REVIEWED	09/30/2021					LAND. ARCH.	NA
DRAWN	09/30/2021						



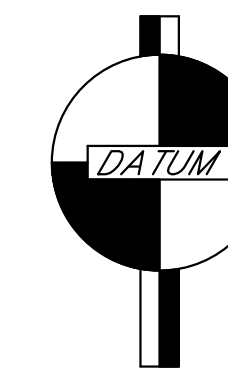
King County
 Department of Natural Resources and Parks
 Parks and Recreation Division
 Capital Projects Section
 201 S. Jackson St., Suite 700, Seattle, WA 98104
 Christie True, Director

SKYWAY PARK IMPROVEMENTS
 SKYWAY PARK
 7121 S. 120TH PLACE
 SEATTLE, WA 98178
TRAIL ALIGNMENT & CONTROL PLAN

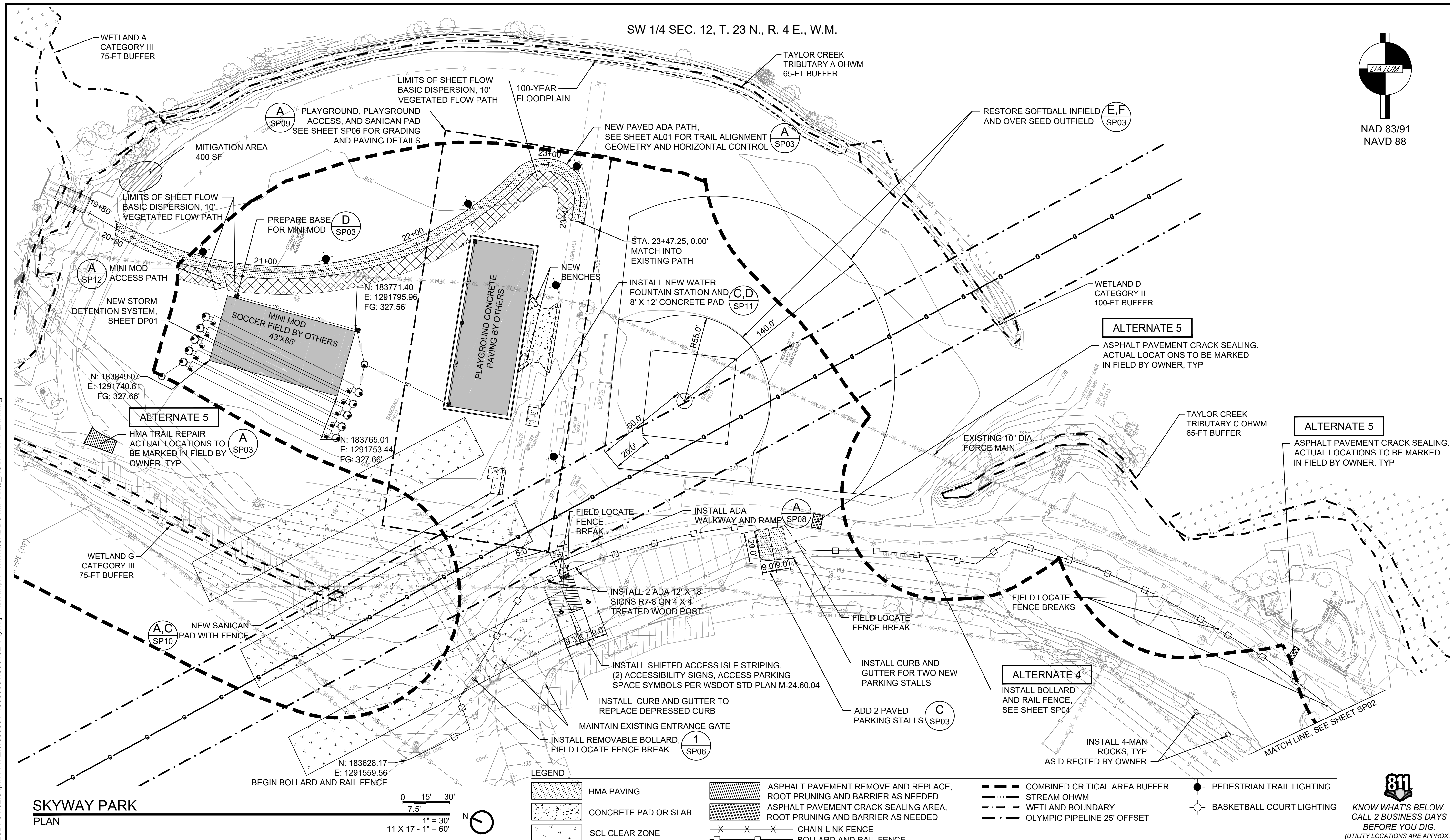
SHEET
13
 OF
37
 SHEETS
AL01

FOR CONSTRUCTION

SW 1/4 SEC. 12, T. 23 N., R. 4 E., W.M.

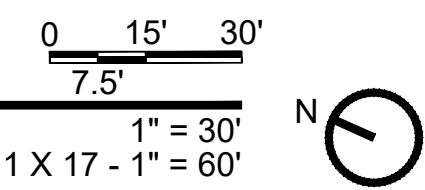


NAD 83/91
NAVD 88



FOR CONSTRUCTION

**SKYWAY PARK
PLAN**



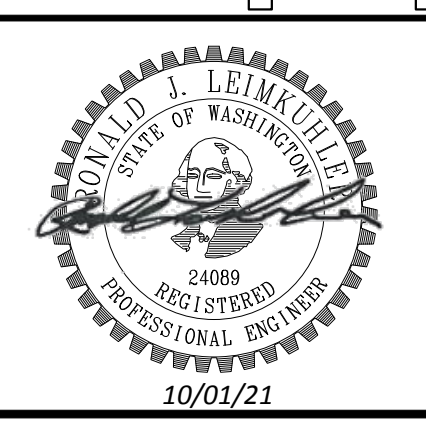
LEGEND

	HMA PAVING		ASPHALT PAVEMENT CRACK SEALING AREA, ROOT PRUNING AND BARRIER AS NEEDED
	CONCRETE PAD OR SLAB		CHAIN LINK FENCE
	SCL CLEAR ZONE		BOLLARD AND RAIL FENCE

	COMBINED CRITICAL AREA BUFFER		PEDESTRIAN TRAIL LIGHTING
	STREAM OHWM		BASKETBALL COURT LIGHTING
	WETLAND BOUNDARY		
	OLYMPIC PIPELINE 25' OFFSET		

811
KNOW WHAT'S BELOW.
CALL 2 BUSINESS DAYS
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SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR			DESIGN TEAM		
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	09/30/2021					STRUCT. ENG.	NA
APPROVED	09/30/2021					CIVIL ENG.	KPFF
REVIEWED	09/30/2021					LAND. ARCH.	NA
DRAWN	09/30/2021						

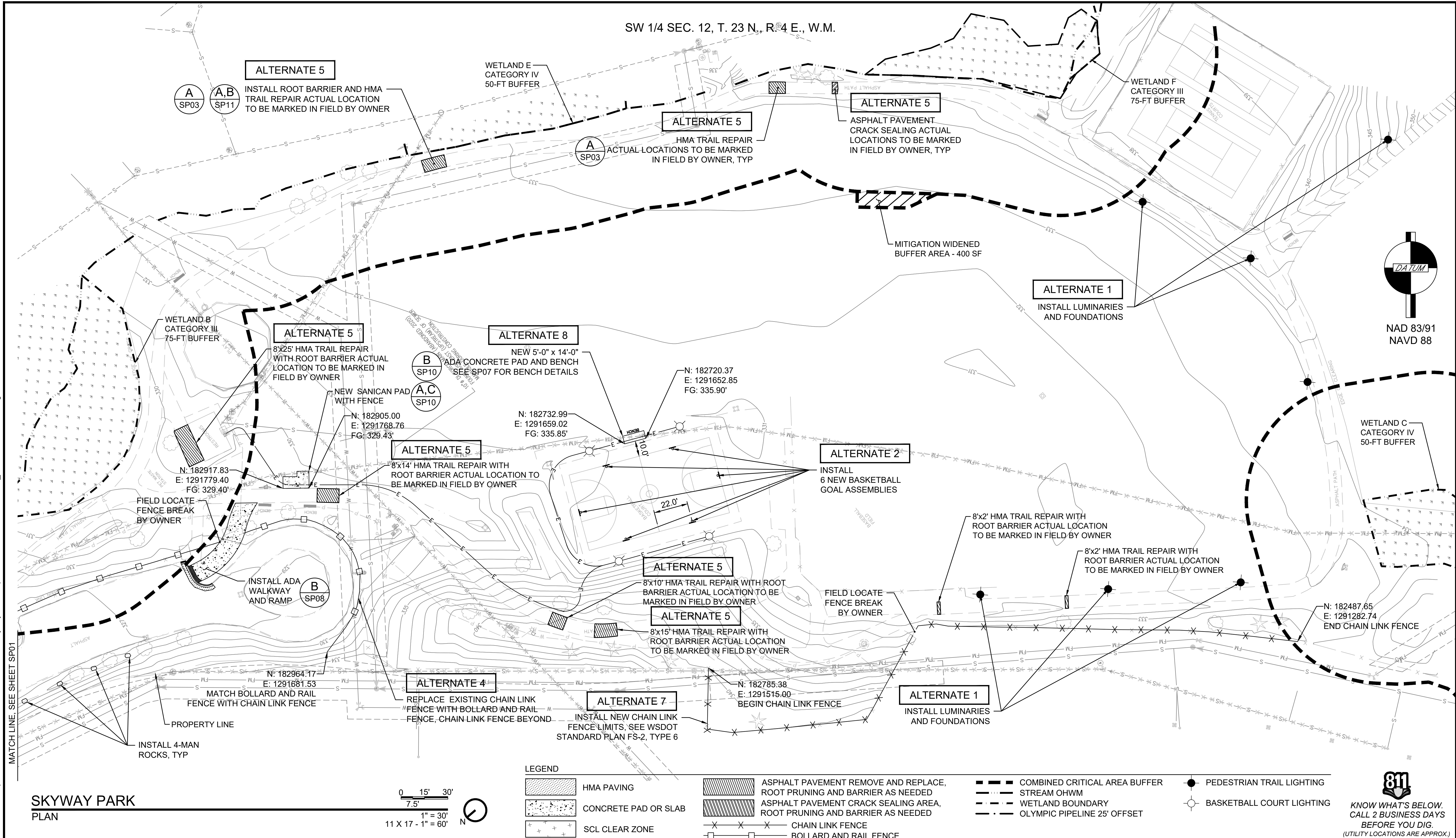


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Parks and Recreation Division
Capital Projects Section
201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

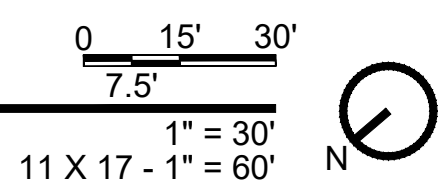
SKYWAY PARK IMPROVEMENTS		SHEET
SKYWAY PARK 7121 S. 120TH PLACE SEATTLE, WA 98178		14
SITE PLAN		OF
		37
		SHEETS
		SP01

Name: W:\11800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\8_KCSP1-SP-PLAN.dwg Date: Sep 30, 2021 -04:02:34pm File: Z:\11800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\8_KCSP1-SP-PLAN.dwg

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SKYWAY PARK
PLAN

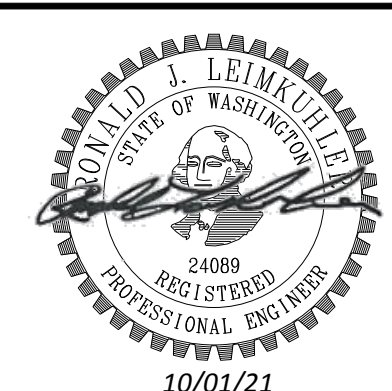


LEGEND

- HMA PAVING
- CONCRETE PAD OR SLAB
- SCL CLEAR ZONE
- ASPHALT PAVEMENT REMOVE AND REPLACE, ROOT PRUNING AND BARRIER AS NEEDED
- ASPHALT PAVEMENT CRACK SEALING AREA, ROOT PRUNING AND BARRIER AS NEEDED
- CHAIN LINK FENCE
- BOLLARD AND RAIL FENCE
- COMBINED CRITICAL AREA BUFFER
- STREAM OHWM
- WETLAND BOUNDARY
- OLYMPIC PIPELINE 25' OFFSET
- PEDESTRIAN TRAIL LIGHTING
- BASKETBALL COURT LIGHTING

811
KNOW WHAT'S BELOW.
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BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR			DESIGN TEAM		
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	-	09/30/2021				STRUCT. ENG.	NA
APPROVED	R. LEIMKUHLER	09/30/2021				CIVIL ENG.	KPFF
REVIEWED	R. LEIMKUHLER	09/30/2021				LAND. ARCH.	NA
DRAWN	J. ONG	09/30/2021					

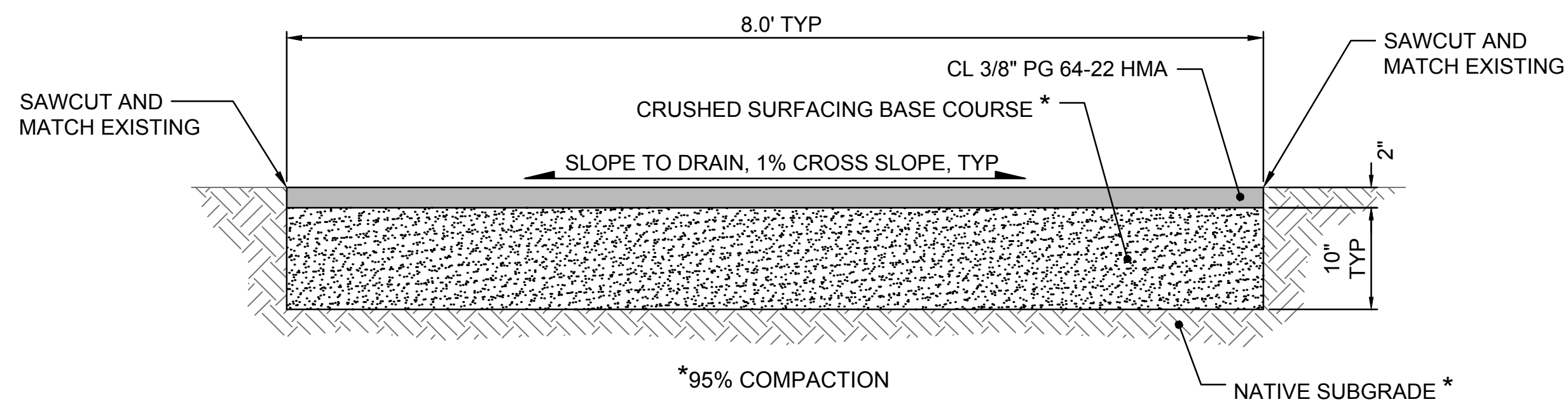


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Department of Natural Resources and Parks
Parks and Recreation Division
Capital Projects Section
201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

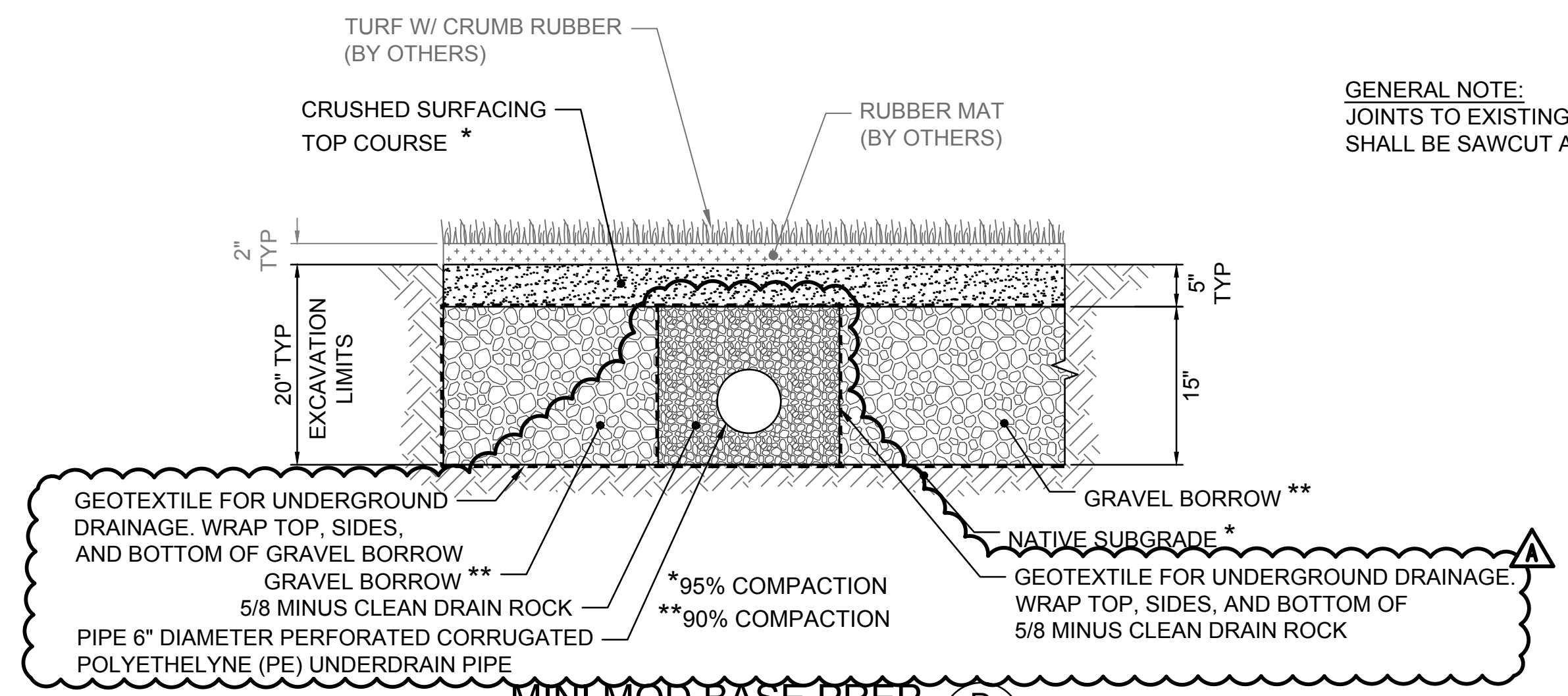
SKYWAY PARK IMPROVEMENTS		SHEET
SKYWAY PARK 7121 S. 120TH PLACE SEATTLE, WA 98178		15
SITE PLAN		OF
		37
		SHEETS
		SP02

Name: jeffrey Date: Nov 08, 2021-04:15:24pm File: Z:\1800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\9_KCSP1-SP-DTL.S.dwg

FOR CONSTRUCTION

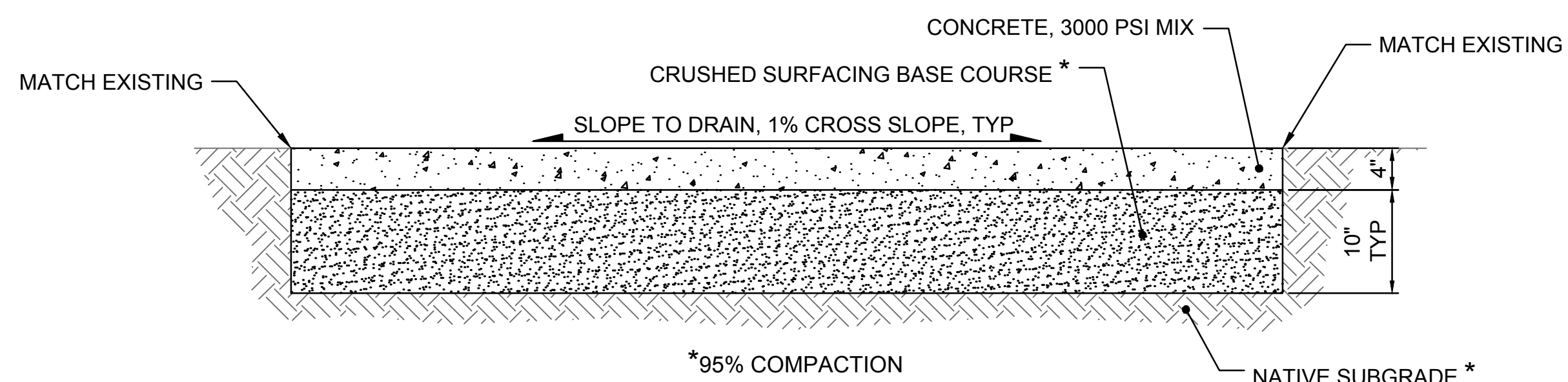


TRAIL PAVING / TRAIL REPAIR (A)
NTS SP01-02-08

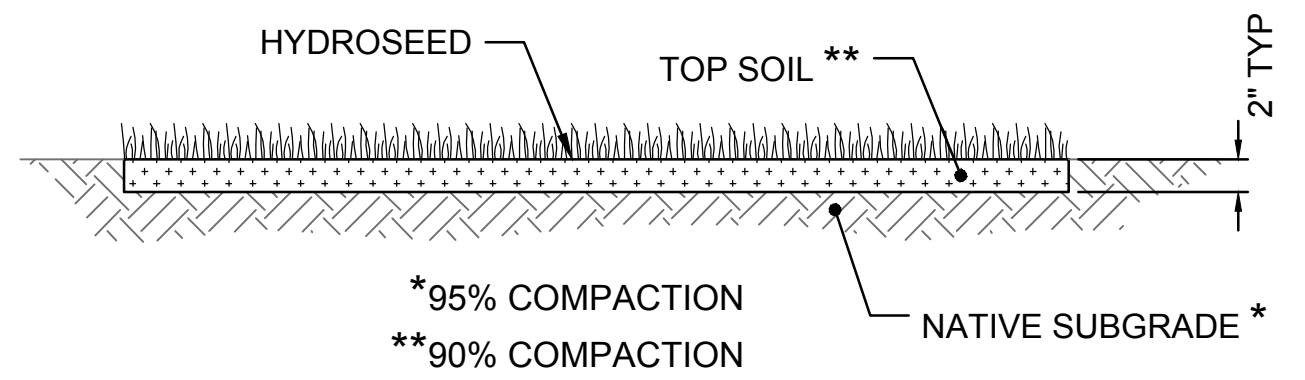


MINI MOD BASE PREP (D)
NTS SP01

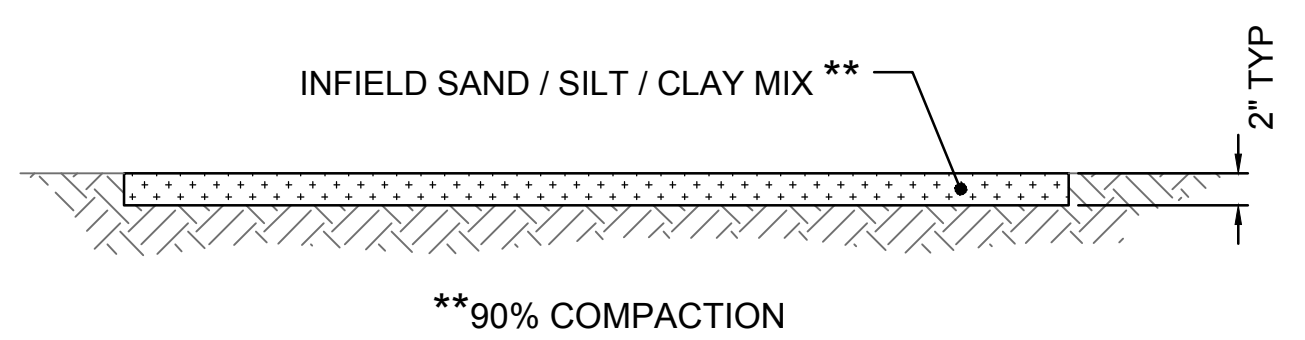
GENERAL NOTE:
JOINTS TO EXISTING PAVED SURFACE
SHALL BE SAWCUT AND SEAM SEAL.



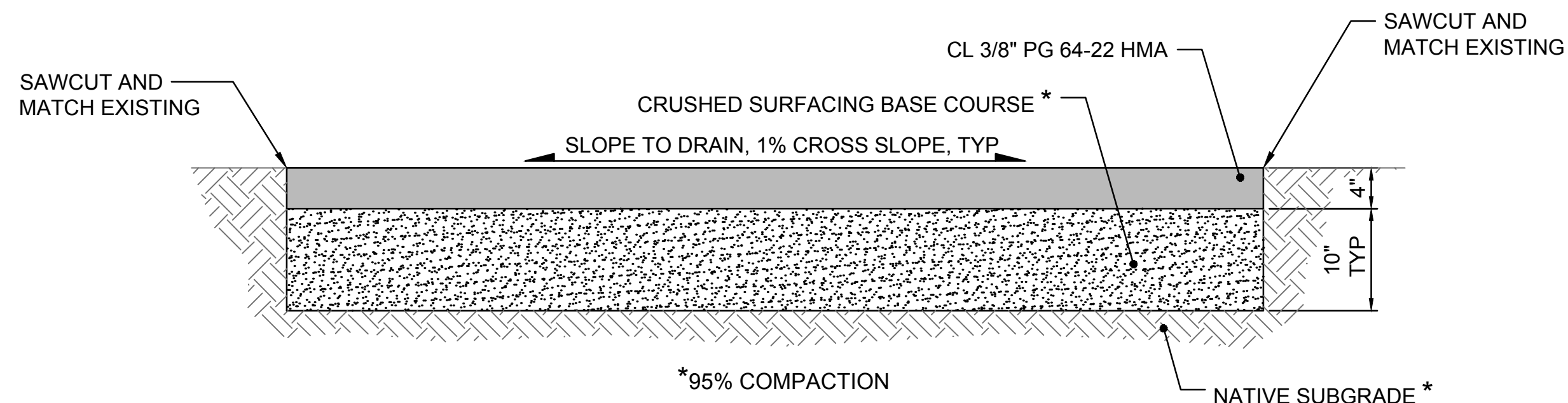
BENCH, SANICAN, WATER FOUNTAIN, & PLAYGROUND ACCESS PAD (B)
NTS SP01-09



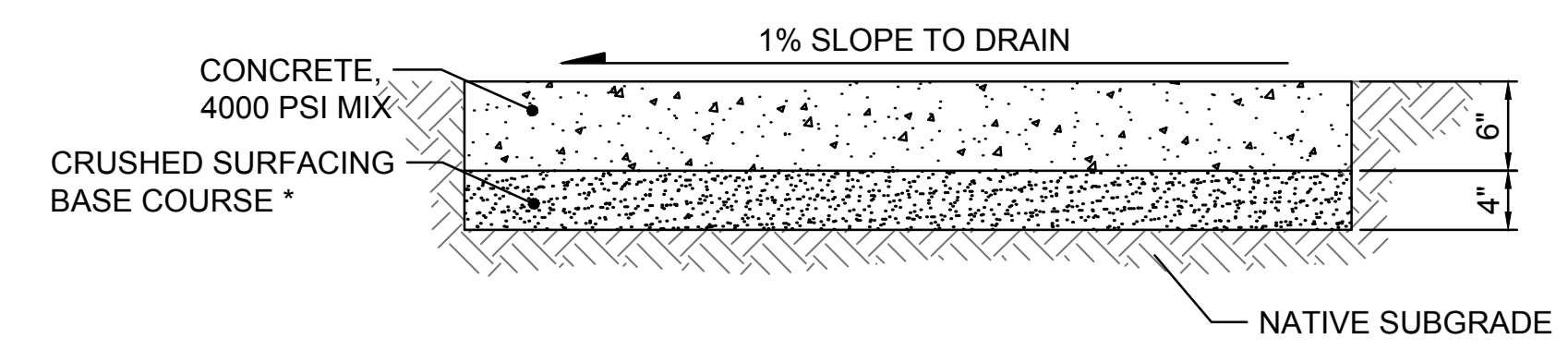
TYPICAL TOP SOIL PLACEMENT (E)
NTS SP01



INFIELD RESTORATION (F)
NTS SP01



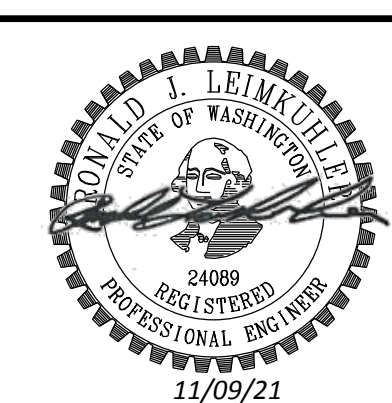
PARKING LOT SECTION (C)
NTS SP01



ADA RAMP (G)
NTS SP01-08

811
KNOW WHAT'S BELOW.
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(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA	
ISSUED	-	09/30/2021				STRUCT. ENG.	NA	
APPROVED	R. LEIMKUHLER	09/30/2021				CIVIL ENG.	KPFF	
REVIEWED	R. LEIMKUHLER	09/30/2021				LAND. ARCH.	NA	
DRAWN	J. ONG	09/30/2021	A	ADDENDUM #1	PDS	11/05/2021		

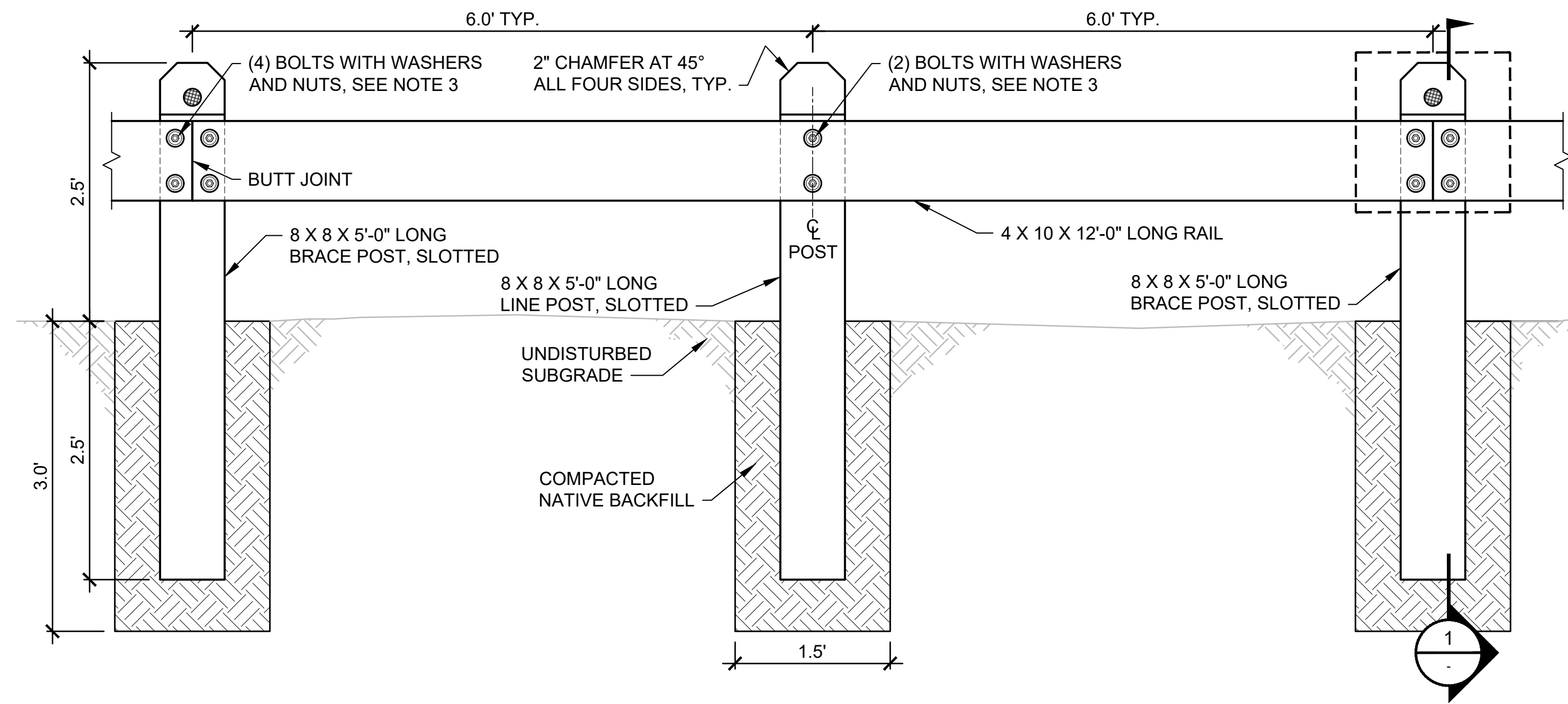


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Department of Natural Resources and Parks
Parks and Recreation Division
Capital Projects Section
201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

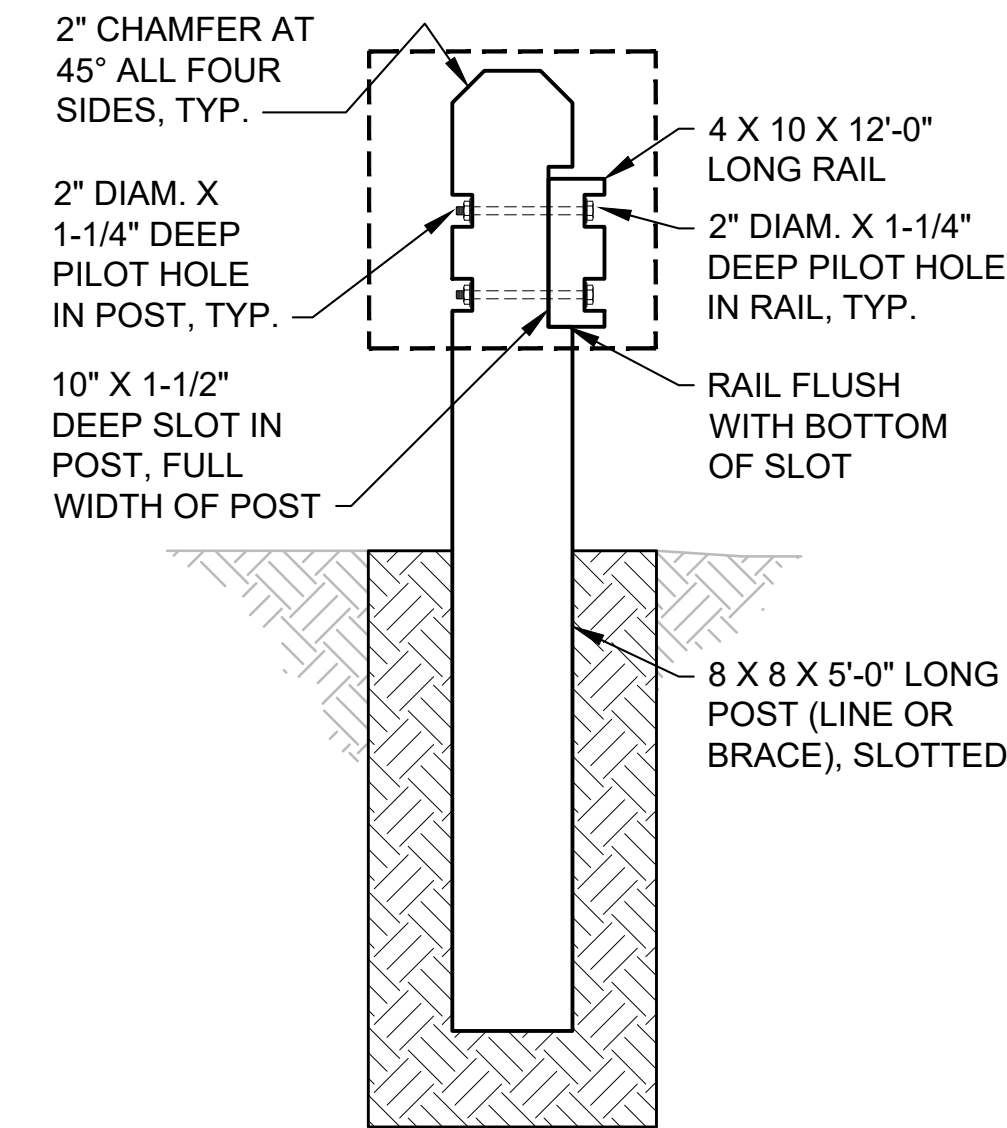
SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178
SITE DETAILS & TRAIL SECTION

SHEET
16
OF
37
SHEETS
SP03

Name: WIIS Date: Sep 30, 2021 -04:02:49pm File: Z:\1800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\19_KCSP-SP-DTLS.dwg



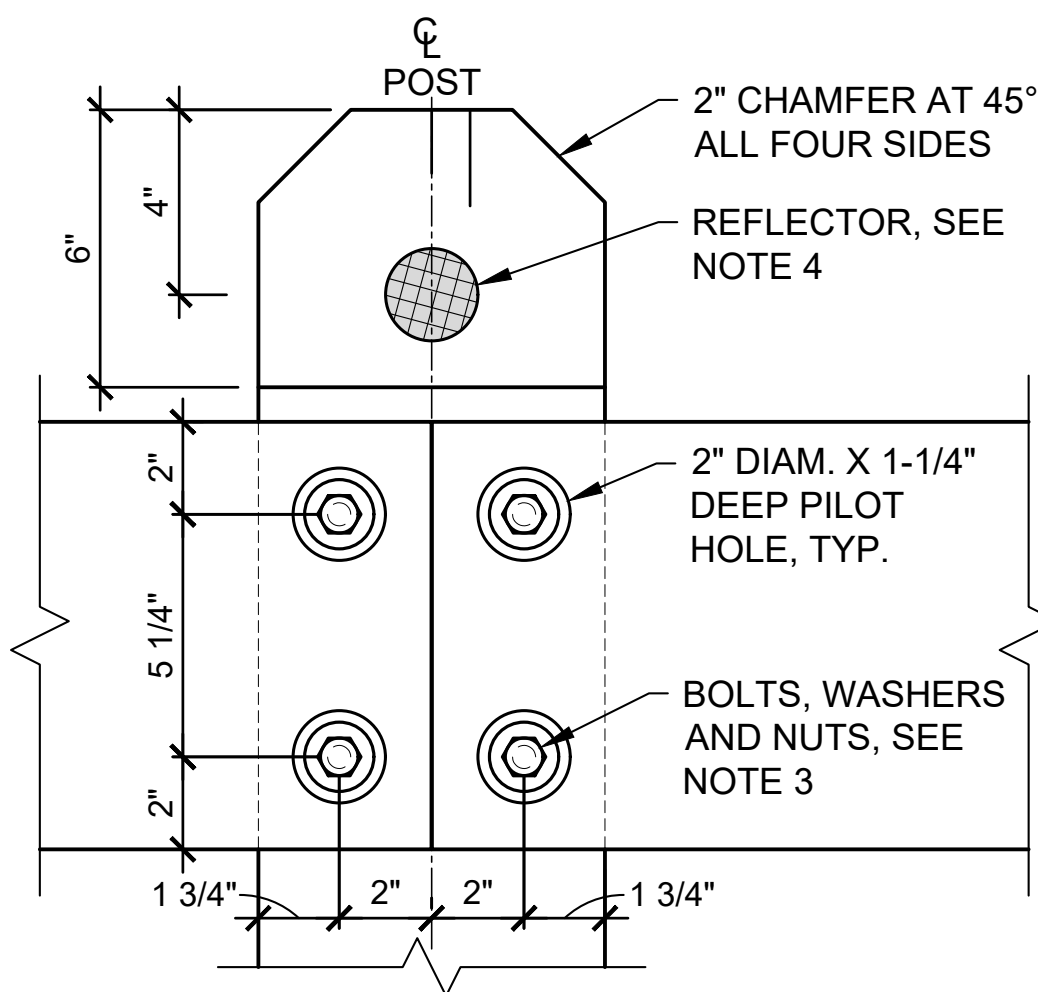
BOLLARD AND RAIL FENCE FRONT ELEVATION
NTS



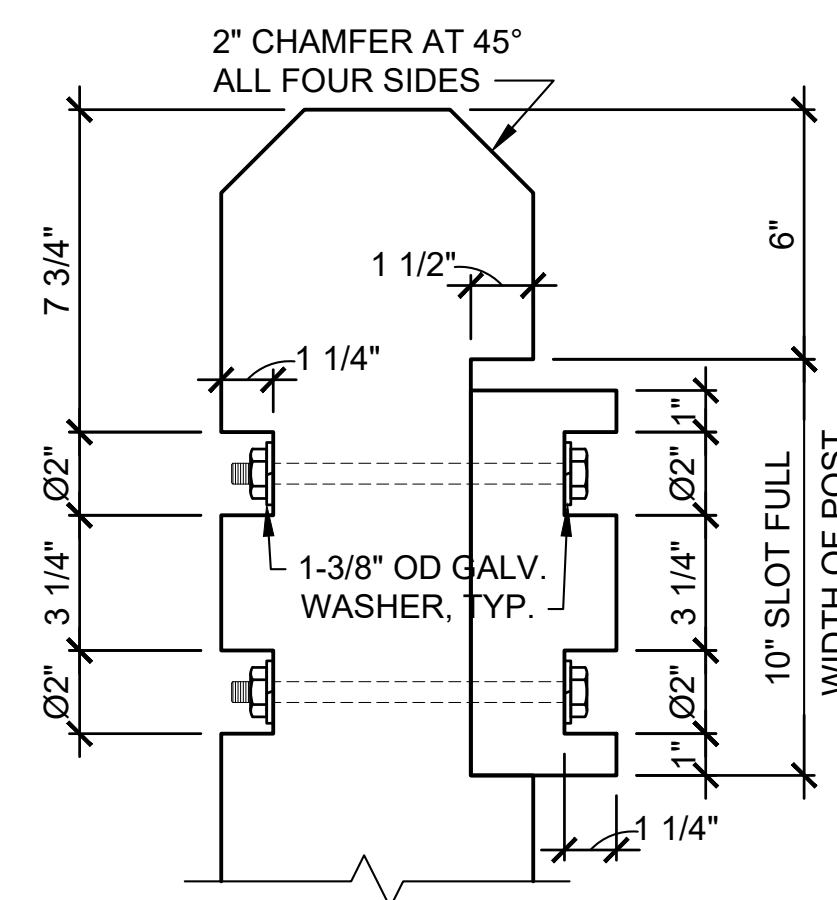
BOLLARD AND RAIL FENCE SIDE ELEVATION 1
NTS

NOTES:

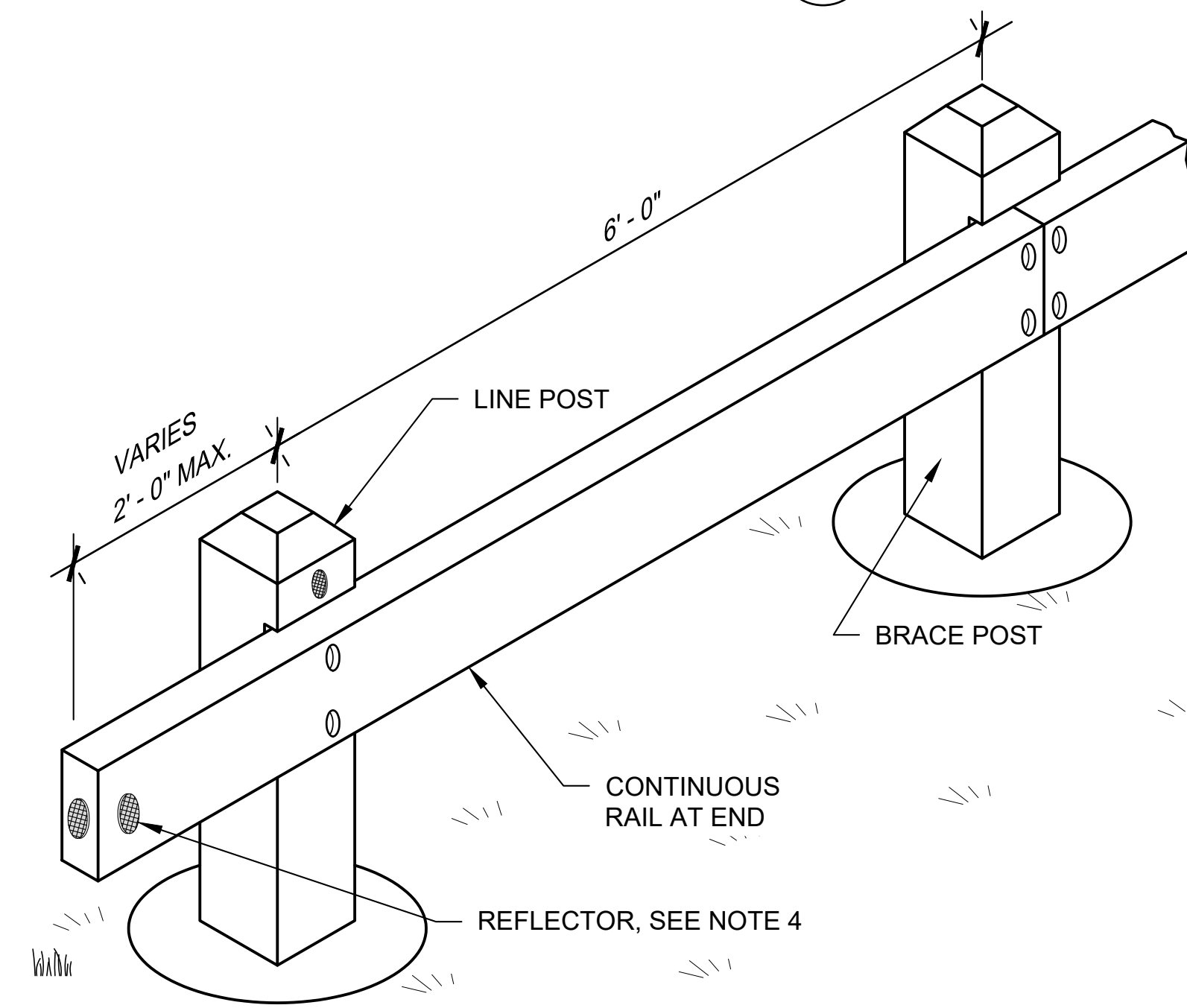
1. ALL BOARDS AND POSTS SHALL BE PRESSURE TREATED HEMLOCK, PRESSURE TREATED DOUGLAS FIR, OR UNTREATED CEDAR LUMBER. TREATMENT SHALL CONFORM TO WSDOT STANDARD SPECIFICATION 9-09.3.
2. SET POSTS PLUMB.
3. BOLTS SHALL BE 5/8" X 8" LONG GALV. HEX BOLT AND NUT WITH (2) 1-3/8" OUTSIDE DIAMETER GALV. WASHERS, EACH SIDE.
4. INSTALL 3" DIAMETER RED REFLECTIVE BUTTONS USING SCREWS AND BOLTS ON FRONT AND BACK OF EVERY OTHER POST AND ON END RAIL AS SHOWN ON PLANS.



FENCE ASSEMBLY DETAIL
NTS



FENCE ASSEMBLY ELEVATION
NTS

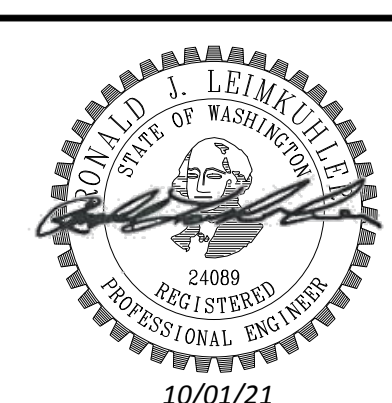


END RAIL ISOMETRIC
NTS

FOR CONSTRUCTION

811
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(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	09/30/2021					STRUCT. ENG.	NA
APPROVED	09/30/2021					CIVIL ENG.	KPFF
REVIEWED	09/30/2021					LAND. ARCH.	NA
DRAWN	09/30/2021						

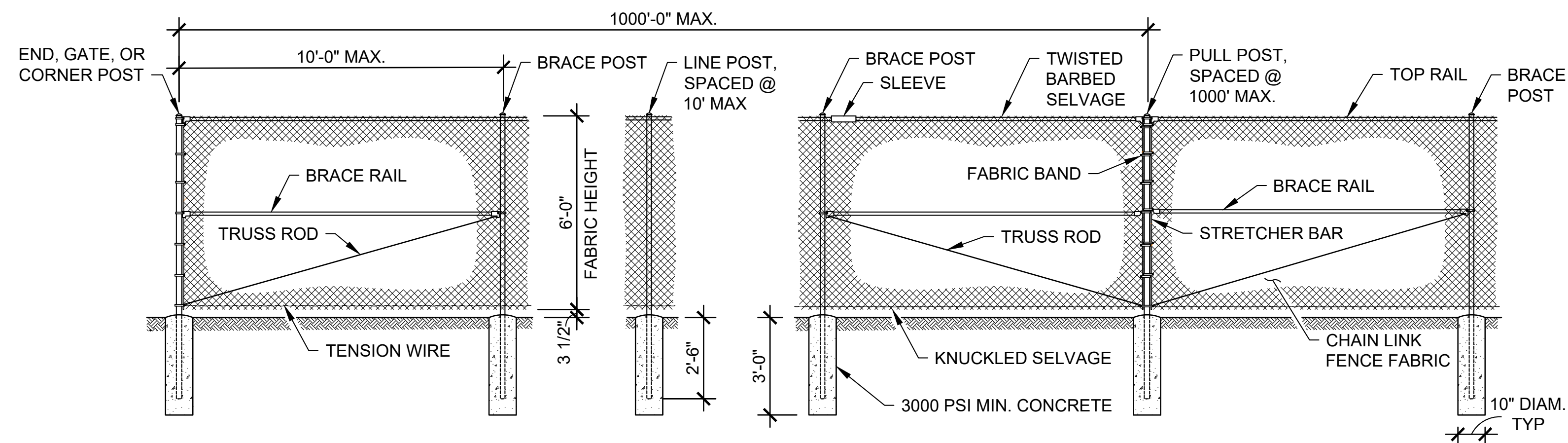


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Parks and Recreation Division
Capital Projects Section
201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178

SHEET 17 OF 37 SHEETS
SP04

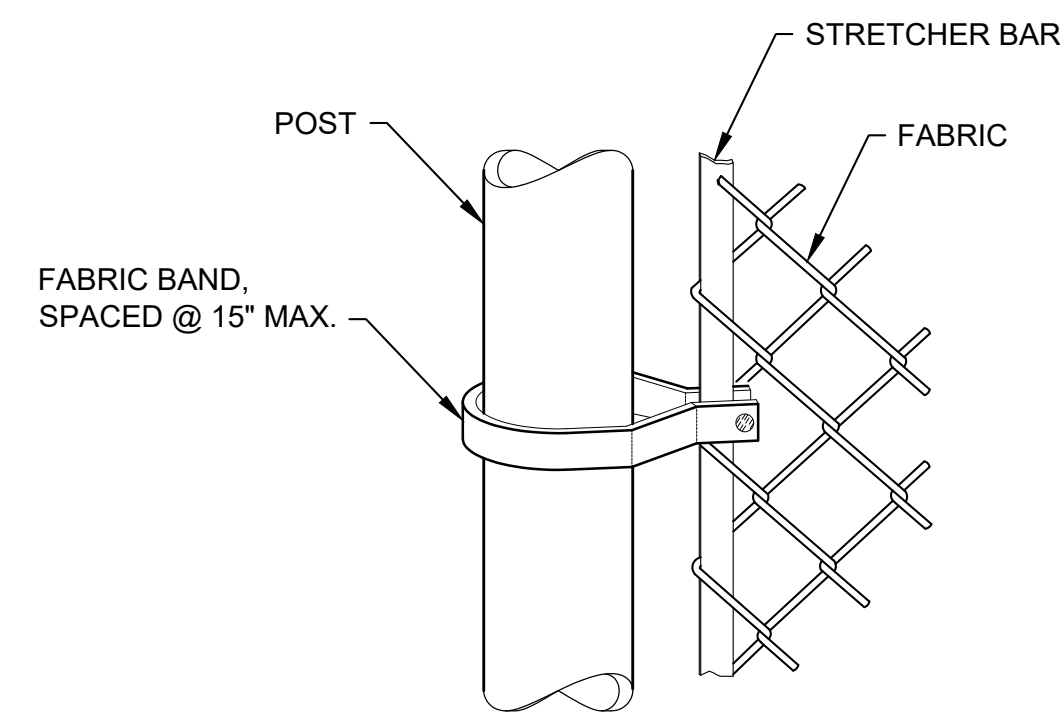
Name: WIIS Date: Sep 30, 2021 -04:02:50pm File: Z:\18000001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\9_KCSPI-SP-DTLS.dwg



6 FOOT CHAIN LINK FENCE ELEVATION, TYPE 1 ①
NTS

NOTES

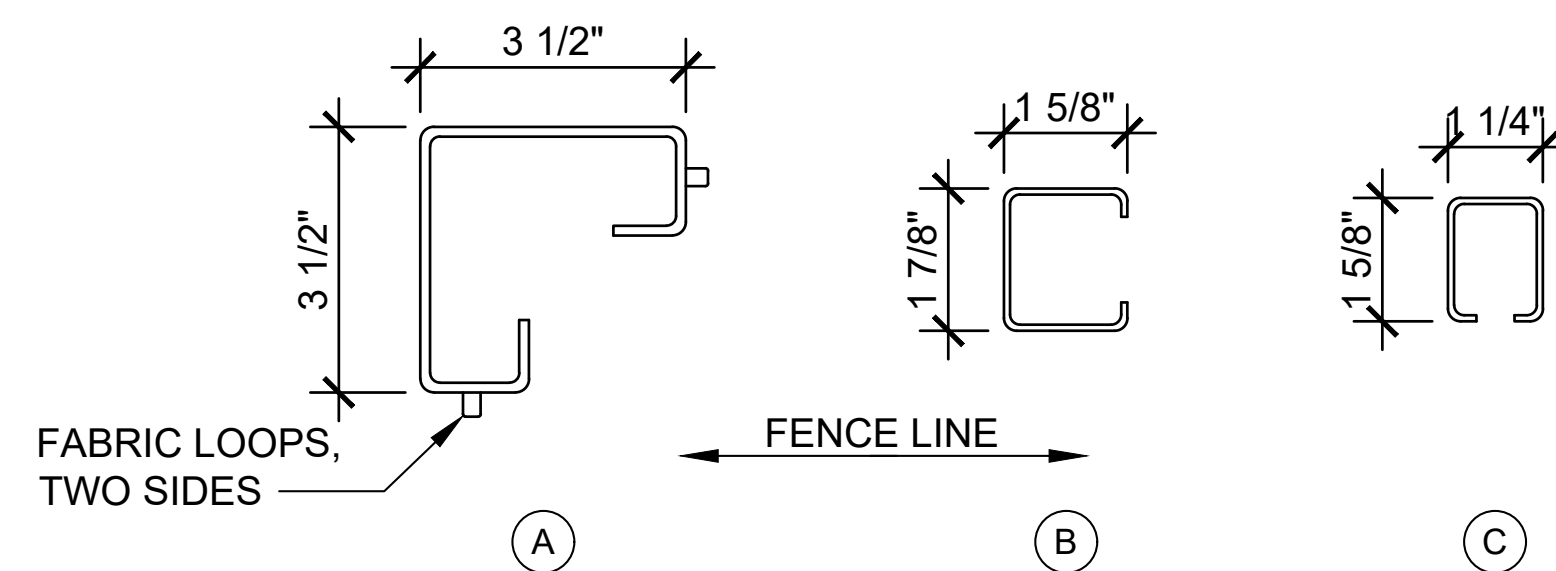
1. CHAIN LINK FENCE FABRIC SHALL BE HOT-DIP GALVANIZED WITH A MINIMUM OF 0.8 OUNCE PER SQUARE FOOT OF SURFACE AREA.
2. FENCING MATERIAL SHALL BE COATED WITH AN ULTRAVIOLET-INSENSITIVE PLASTIC OR OTHER INERT MATERIAL AT LEAST 2 MILS IN THICKNESS. ANY PRETREATMENT OR COATING SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS. THE COLOR SHALL MATCH FEDERAL STANDARD NUMBER *** 595 B 27038 BLACK ***, OR BE AS APPROVED BY THE ENGINEER.
3. TENSION WIRE SHALL BE PLACED WITHIN THE LIMITS OF THE FIRST FULL FABRIC WEAVE.
4. DETAILS ARE ILLUSTRATIVE AND SHALL NOT LIMIT HARDWARE DESIGN OR POST SELECTION OF ANY PARTICULAR FENCE TYPE.



STRETCH BAR DETAIL ②
NTS

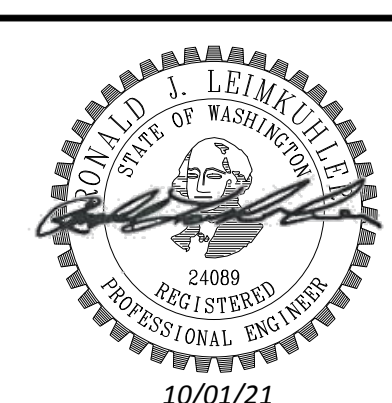
MEMBER	PIPE	CONC.	
	NOM. SIZE (SCH 40)	SECTION	WEIGHT (LB/FT)
END, CORNER, OR PULL POST	2 1/2" DIAM.	(A)	5.10
LINE OR BRACE POST	2" DIAM.	(B)	2.40
BRACE OR TOP RAIL	1 1/4" DIAM.	(C)	1.35
GATE POST	3 1/2" DIAM.		

POST AND RAIL SPECIFICATIONS ③
NTS



811
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BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA	
ISSUED	-	09/30/2021				STRUCT. ENG.	NA	
APPROVED	R. LEIMKUHLER	09/30/2021				CIVIL ENG.	KPFF	
REVIEWED	R. LEIMKUHLER	09/30/2021				LAND. ARCH.	NA	
DRAWN	J. ONG	09/30/2021						



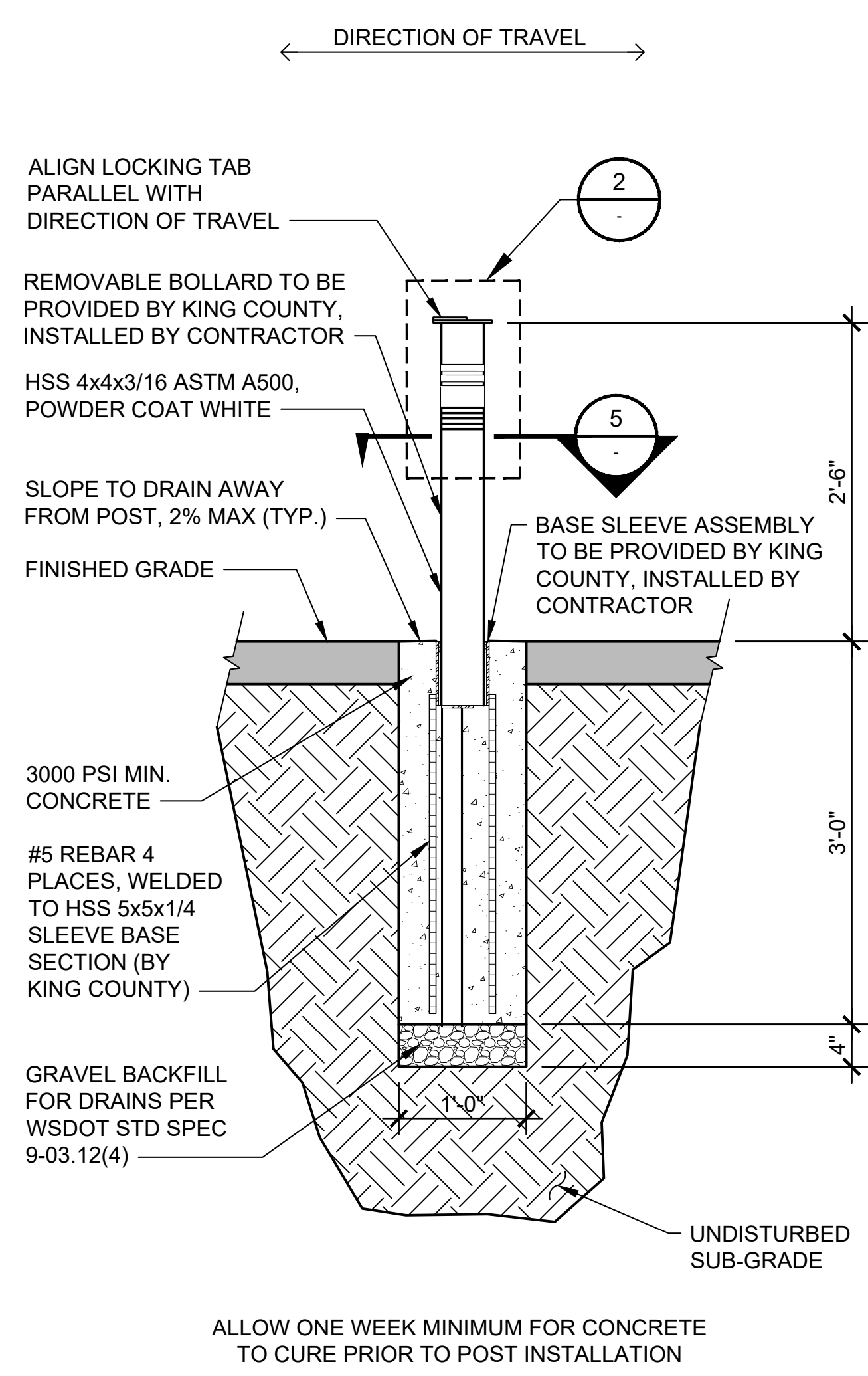
King County
Department of Natural Resources and Parks
Parks and Recreation Division
Capital Projects Section
201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178
CHAIN LINK FENCE WITH TOP RAIL DETAILS

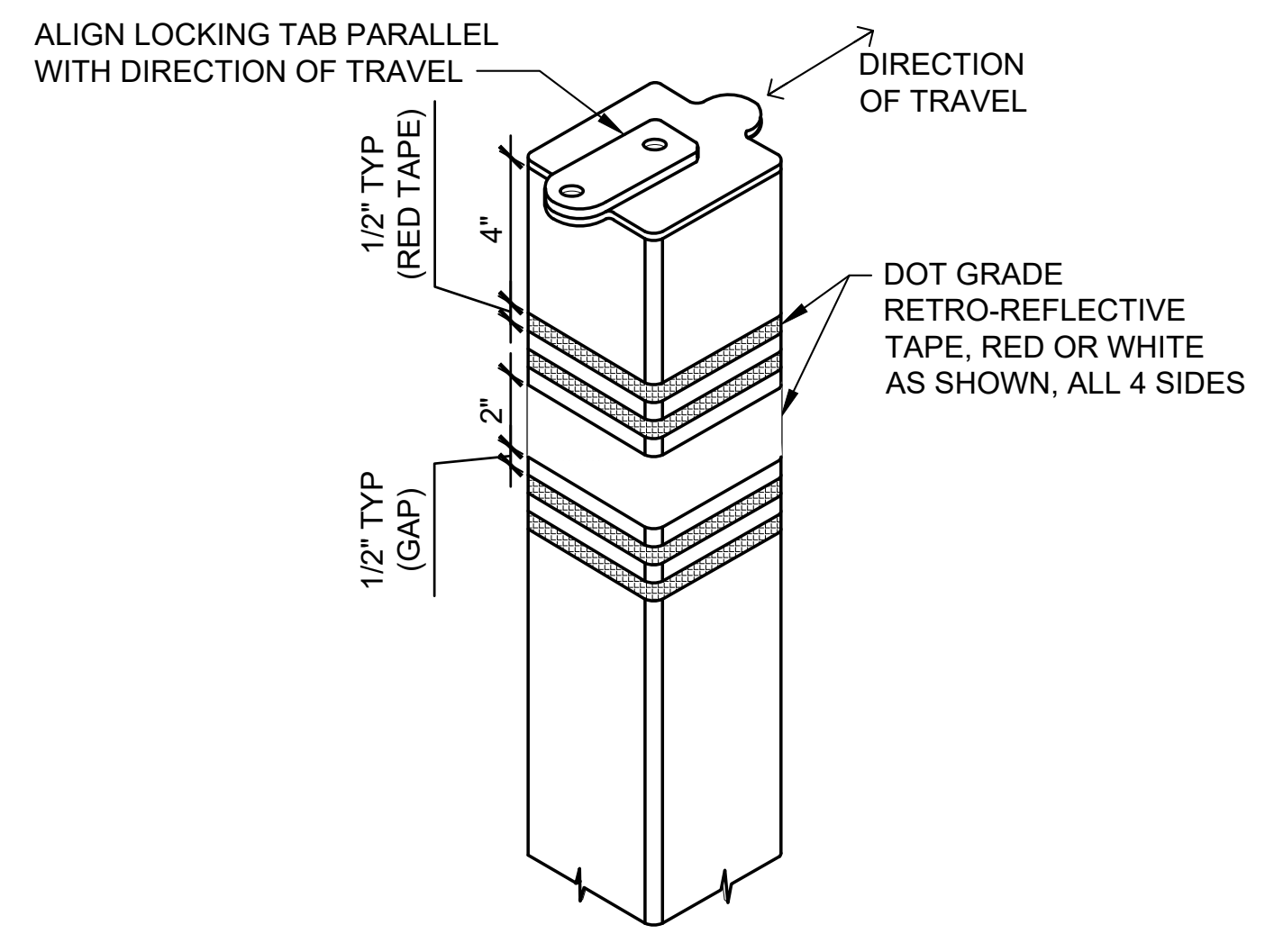
SHEET
18
OF
37
SHEETS
SP05

FOR CONSTRUCTION

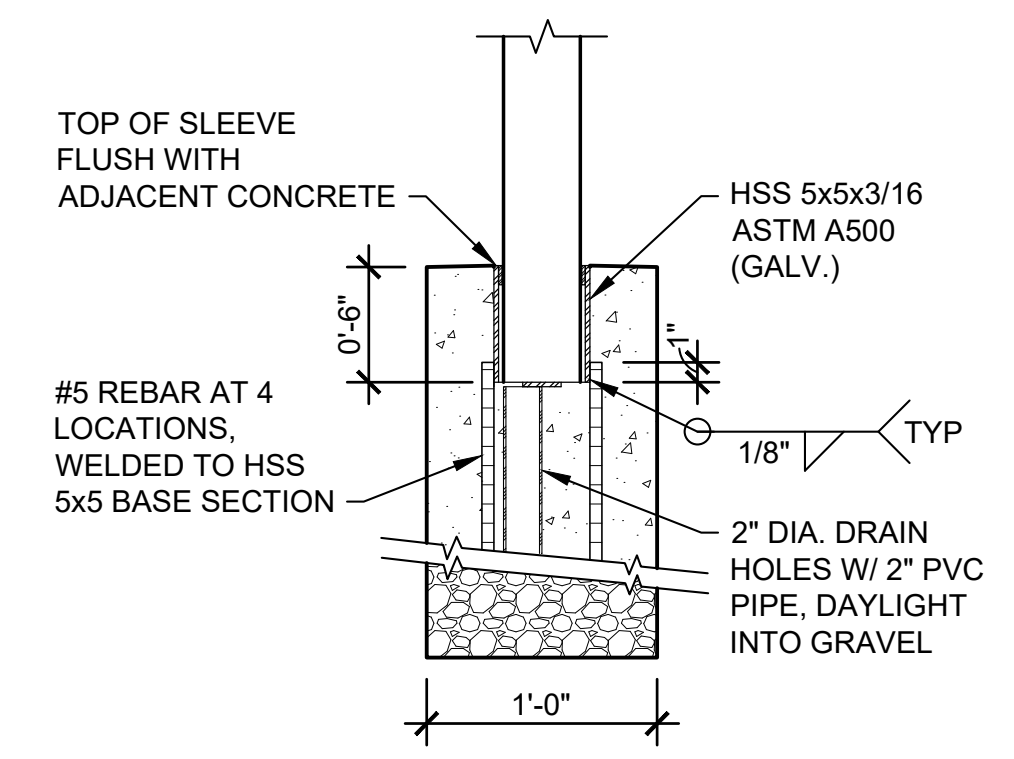
Name: WIIS Date: Sep 30, 2021 -04:02:52pm File: Z:\1800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\9_KCSP-SP-DTLS.dwg



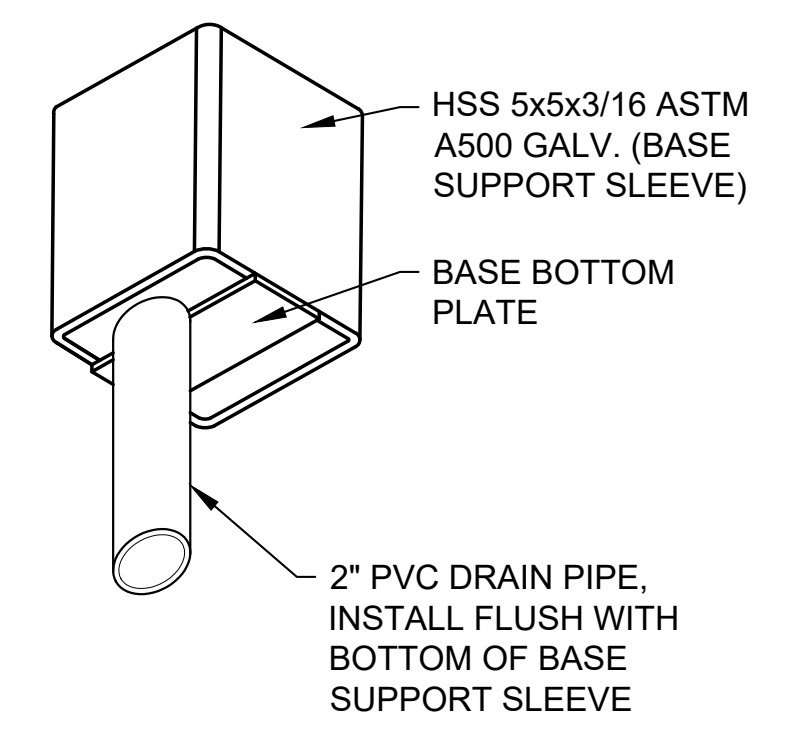
REMOVABLE BOLLARD ELEVATION (1) NTS



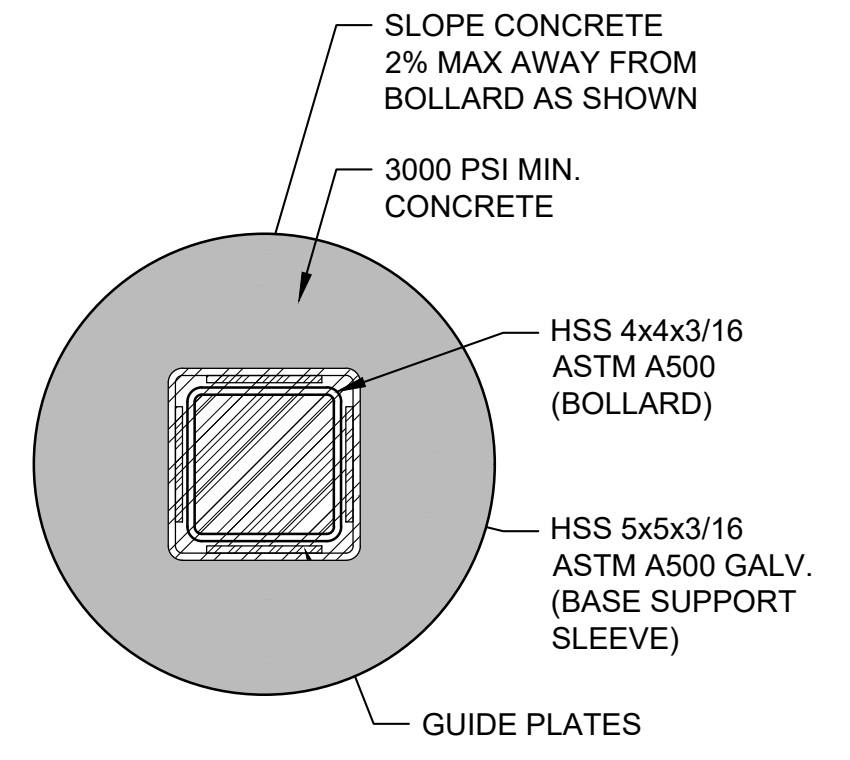
BOLLARD MARKING ISOMETRIC (2) NTS



REMOVABLE BOLLARD EMBEDMENT ELEVATION (3) NTS



BOLLARD BASE DRAINS ISOMETRIC (4) NTS



REMOVABLE BOLLARD PLAN (5) NTS

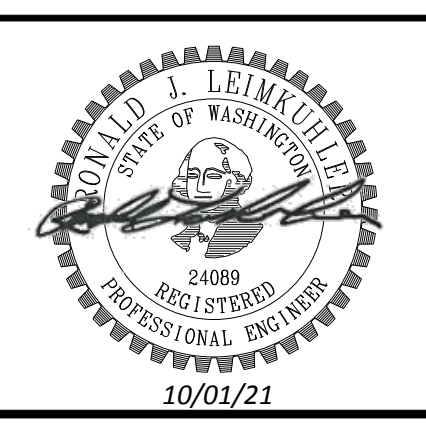
NOTES

1. REMOVABLE BOLLARD ASSEMBLY AND BASE SLEEVE ASSEMBLY PARTS ARE DESIGNED, MANUFACTURED AND PROVIDED BY KING COUNTY PARKS OPERATIONS.
2. PVC DRAIN PIPES ARE TO BE PROVIDED BY THE CONTRACTOR. INSTALLATION OF ALL PARTS SHALL BE PERFORMED BY THE CONTRACTOR.
3. GRAVEL BACKFILL FOR DRAINS SHALL CONFORM TO WSDOT STD. SPEC. 9-03.12(4).
4. CONCRETE SHALL ACHIEVE A 28-DAY STRENGTH OF 3000 PSI MINIMUM.
5. ALL WELDS SHALL CONFORM TO THE REQUIREMENTS OF AWS DL.4. WELDING SHALL BE PERFORMED BY AWS/WABO CERTIFIED WELDERS QUALIFIED FOR WELDS USING THE APPROVED ELECTRODES.

FOR CONSTRUCTION



SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	1129700	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	-	09/30/2021					STRUCT. ENG.	NA
APPROVED	R. LEIMKUHLER	09/30/2021					CIVIL ENG.	KPFF
REVIEWED	R. LEIMKUHLER	09/30/2021					LAND. ARCH.	NA
DRAWN	J. ONG	09/30/2021						



King County
 Department of Natural Resources and Parks
 Parks and Recreation Division
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 201 S. Jackson St., Suite 700, Seattle, WA 98104
 Christie True, Director

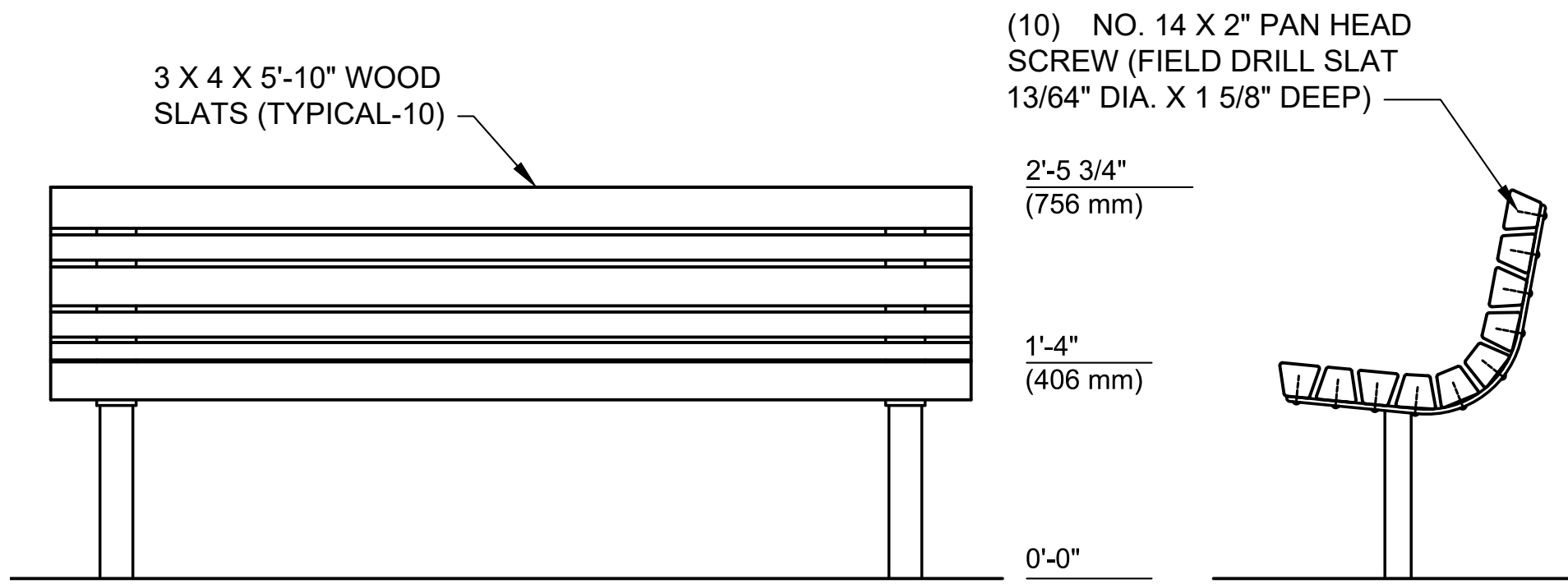
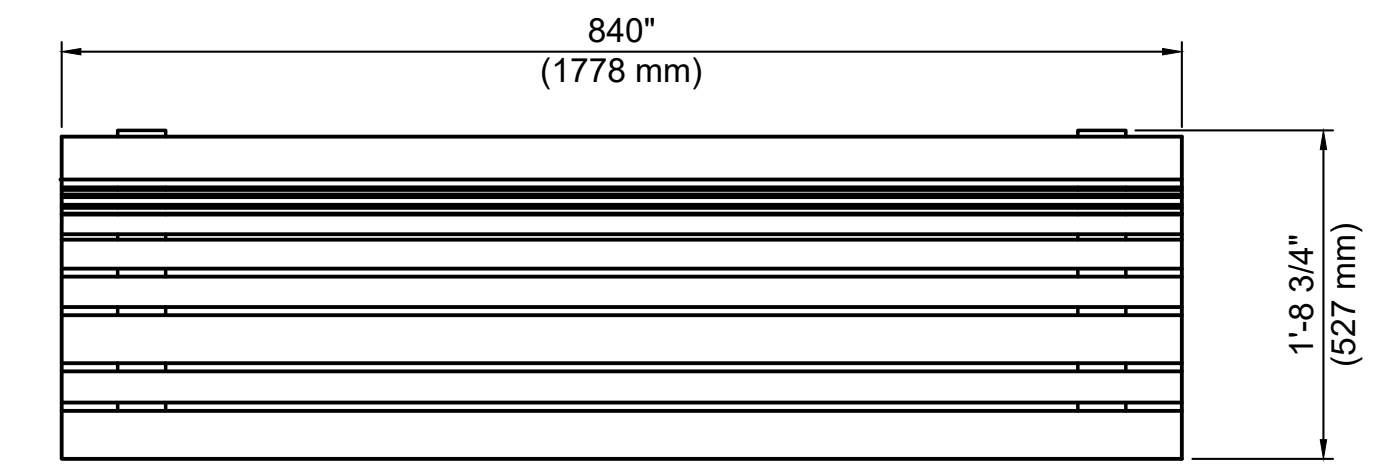
SKYWAY PARK IMPROVEMENTS
 SKYWAY PARK
 7121 S. 120TH PLACE
 SEATTLE, WA 98178

REMOVABLE BOLLARD DETAILS

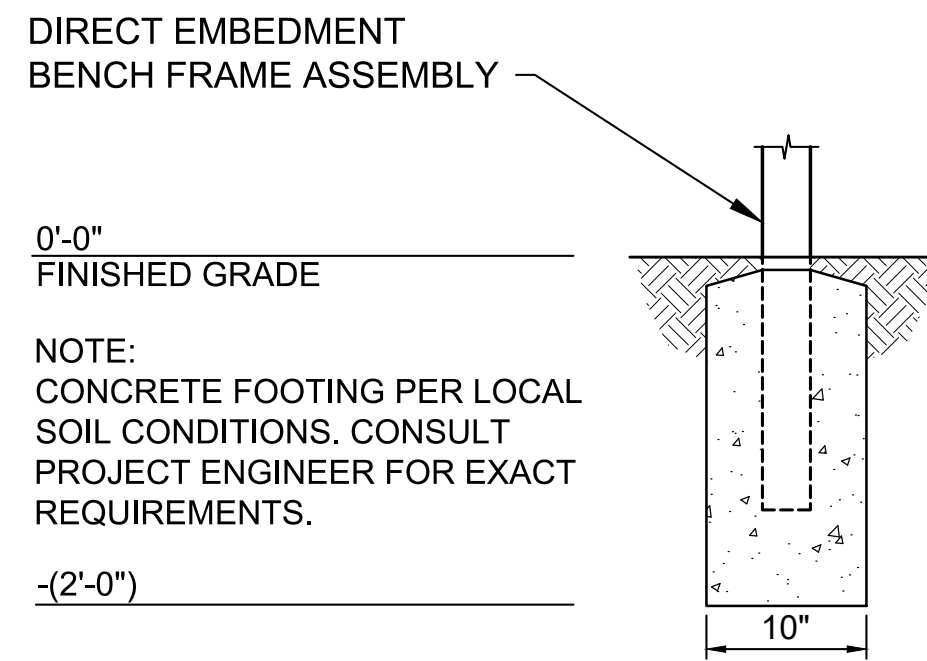
SHEET
19
 OF
37
 SHEETS

SP06

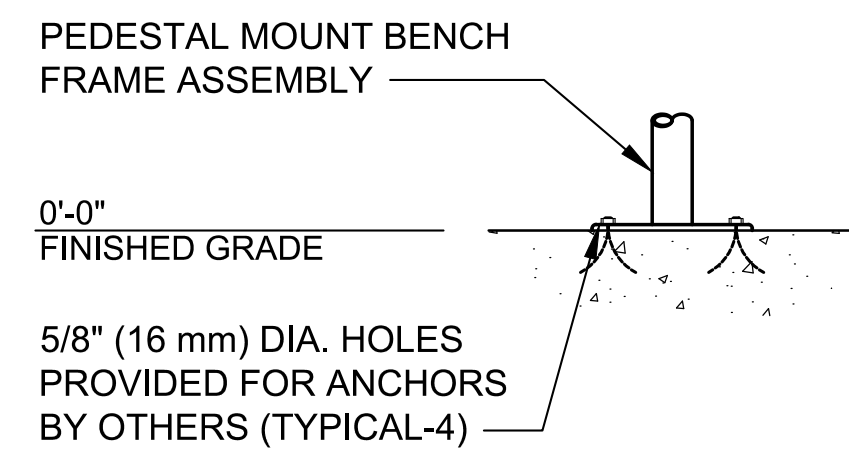
Name: Willis Date: Sep 30, 2021 04:02:55pm File: Z:\1800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\9_KCSP-SP-DTLS.dwg



BENCH (TOP, FRONT, AND SIDE VIEW) 1
NTS



DIRECT EMBEDMENT MOUNT ELEVATION (2140-6-E) 2
NTS



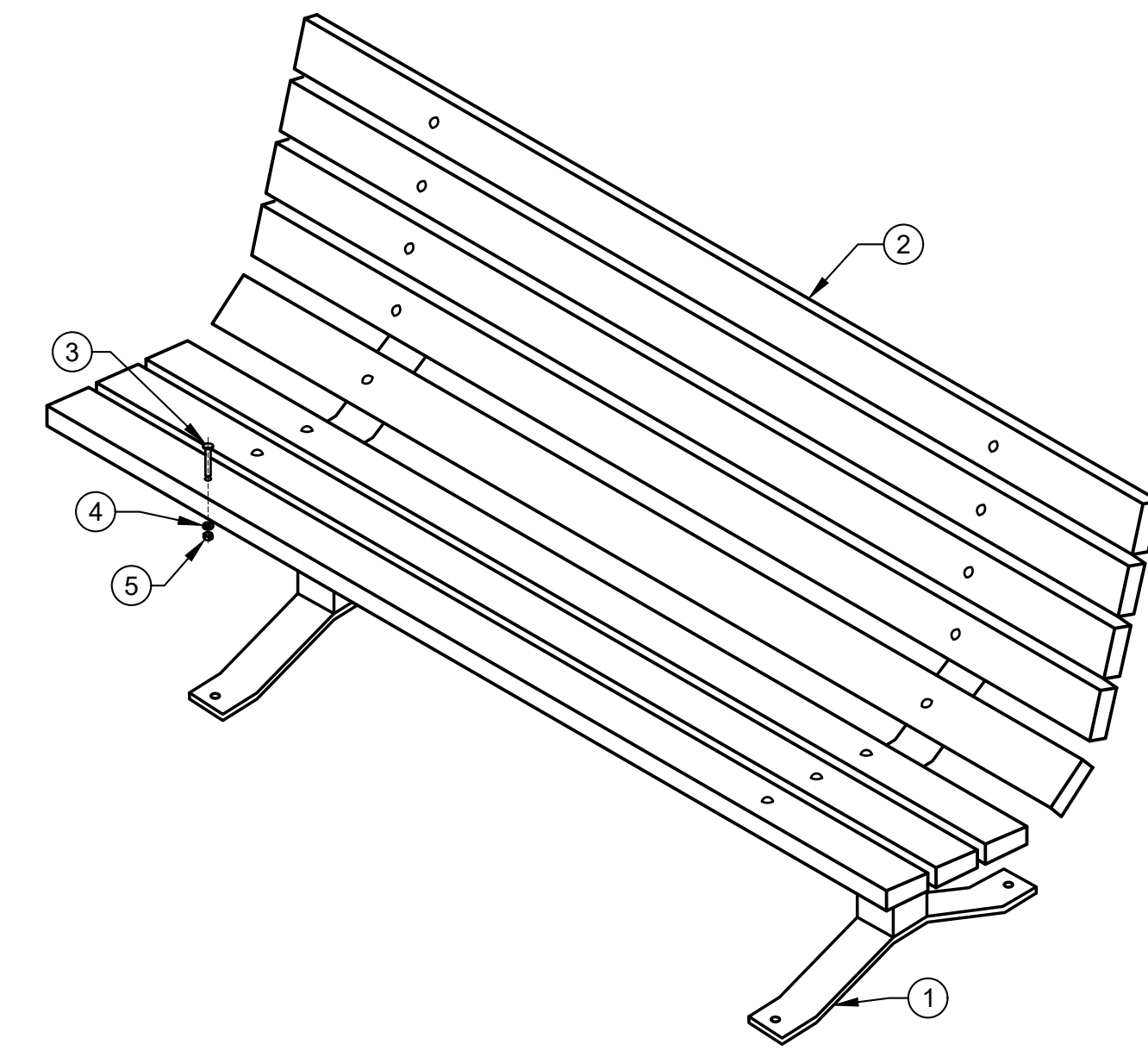
PEDESTAL MOUNT ELEVATION (2140-6-P) 3
NTS

INSTALLATION INSTRUCTIONS:

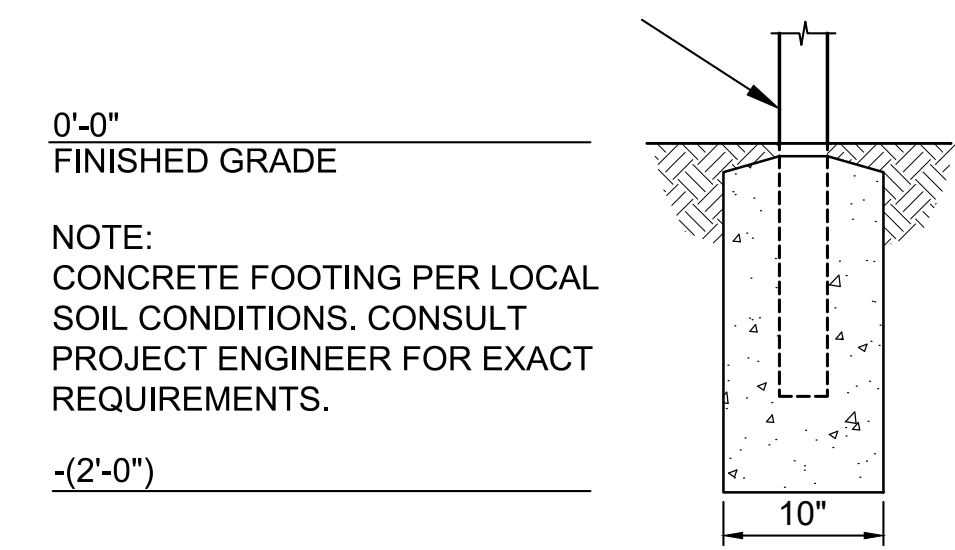
- EACH SLAT MUST BE POSITIONED SO THAT THE BEST FACE IS EXPOSED WHEN ASSEMBLED. NOTE THAT BACKREST SLATS HAVE TWO VISIBLE FACES. THEREFORE, IF A SLAT HAS A BLEMISH, IT MUST BE INSTALLED ON THE SEAT PORTION OF THE BENCH WITH THE BEST FACE VISIBLE.

THE SLATS ARE INSTALLED IN A WIDE FACE - NARROW FACE PATTERN. THEREFORE, EXAMINE AND SORT SLATS PRIOR TO COMMENCING ASSEMBLY TO ENSURE THE BEST FACES ARE USED APPROPRIATELY.

FOR MULTIPLE ITEM ORDERS, EXAMINE AND SORT ALL SLATS PRIOR TO COMMENCING ASSEMBLY TO ENSURE BEST FACES ARE EXPOSED.
- INSTALL THE TWO OUTSIDE SLATS FIRST, CENTERING THEM AT THE SCREW CONNECTION. THIS SHOULD KEEP THE END OF THE STRAP FROM EXTENDING INTO THE EASED EDGE OF THE SLAT.
- EQUALLY SPACE THE REMAINING SLATS BETWEEN THE TWO OUTSIDE SLATS. THIS WAS DESIGNED TO HAVE 1/2" SPACE BETWEEN SLATS. ACTUAL SPACE MAY VARY DUE TO TOLERANCE VARIATIONS.



BENCH ASSEMBLY ISOMETRIC 5
NTS



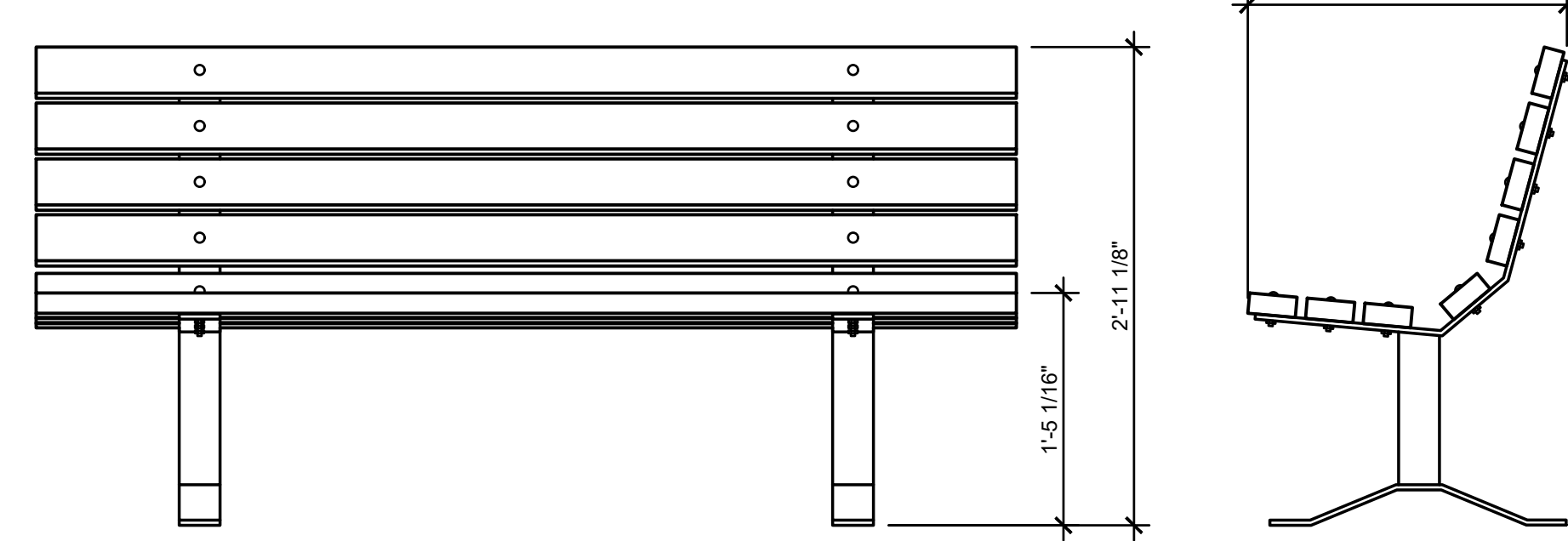
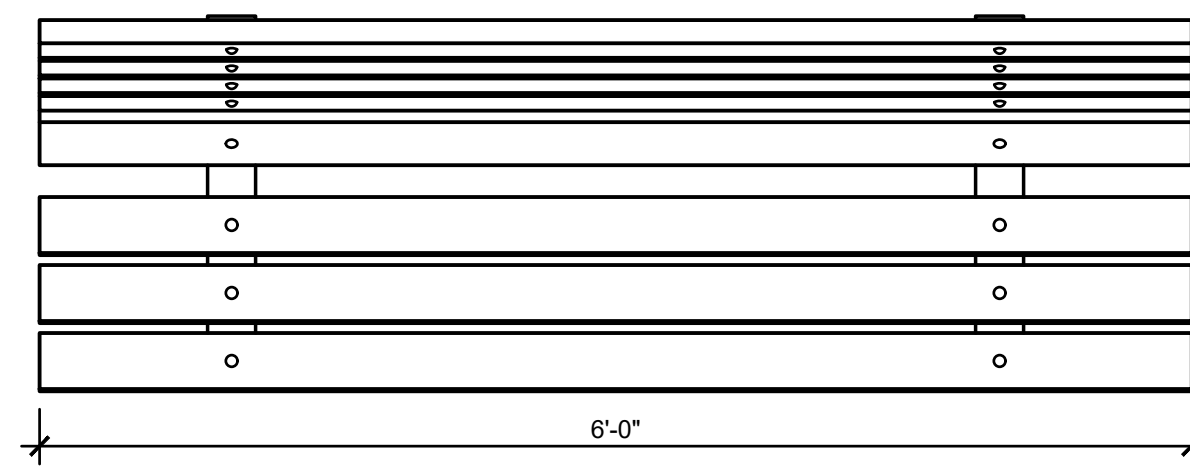
DIRECT EMBEDMENT (INGROUND MOUNT) ELEVATION 6
NTS

GENERAL NOTES:

- SURFACE MOUNT ON 4" MINIMUM THICKNESS CONCRETE SLAB USING 3/8" x 3-1/2" CONCRETE EXPANSION ANCHOR BOLTS.
- FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- ALL HARDWARE FASTENERS SHALL BE ZINC COATED.
- ALL TIMBER SLATS SHALL BE KILN DRIED CEDAR, UNTREATED.

BILL OF MATERIALS:

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	P-W982SM	982 SM FRAME	2
2	P-W982SM	2x4 x 6' KILN DRIED CEDAR (UNTREATED)	8
3	33-06-0006	5/16" x 2 1/4" CARRIAGE BOLT (ZINC)	16
4	33-02-0001	5/16" ZINC PLATED WASHER	16
5	33-01-0001	5/16" HEX NUT (ZINC)	16

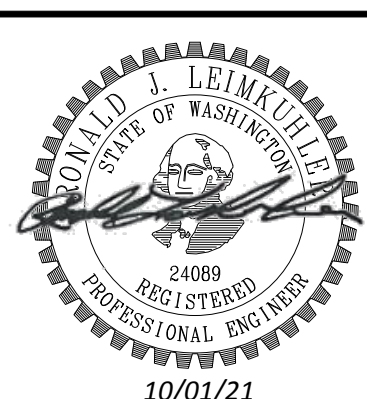


BENCH (TOP, FRONT, AND SIDE VIEW) 4
NTS

FOR CONSTRUCTION

811
KNOW WHAT'S BELOW.
CALL 2 BUSINESS DAYS
BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR			DESIGN TEAM			
PROJECT #	1129700	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	-	09/30/2021					STRUCT. ENG.	NA
APPROVED	R. LEIMKUHLER	09/30/2021					CIVIL ENG.	KPFF
REVIEWED	R. LEIMKUHLER	09/30/2021					LAND. ARCH.	NA
DRAWN	J. ONG	09/30/2021						

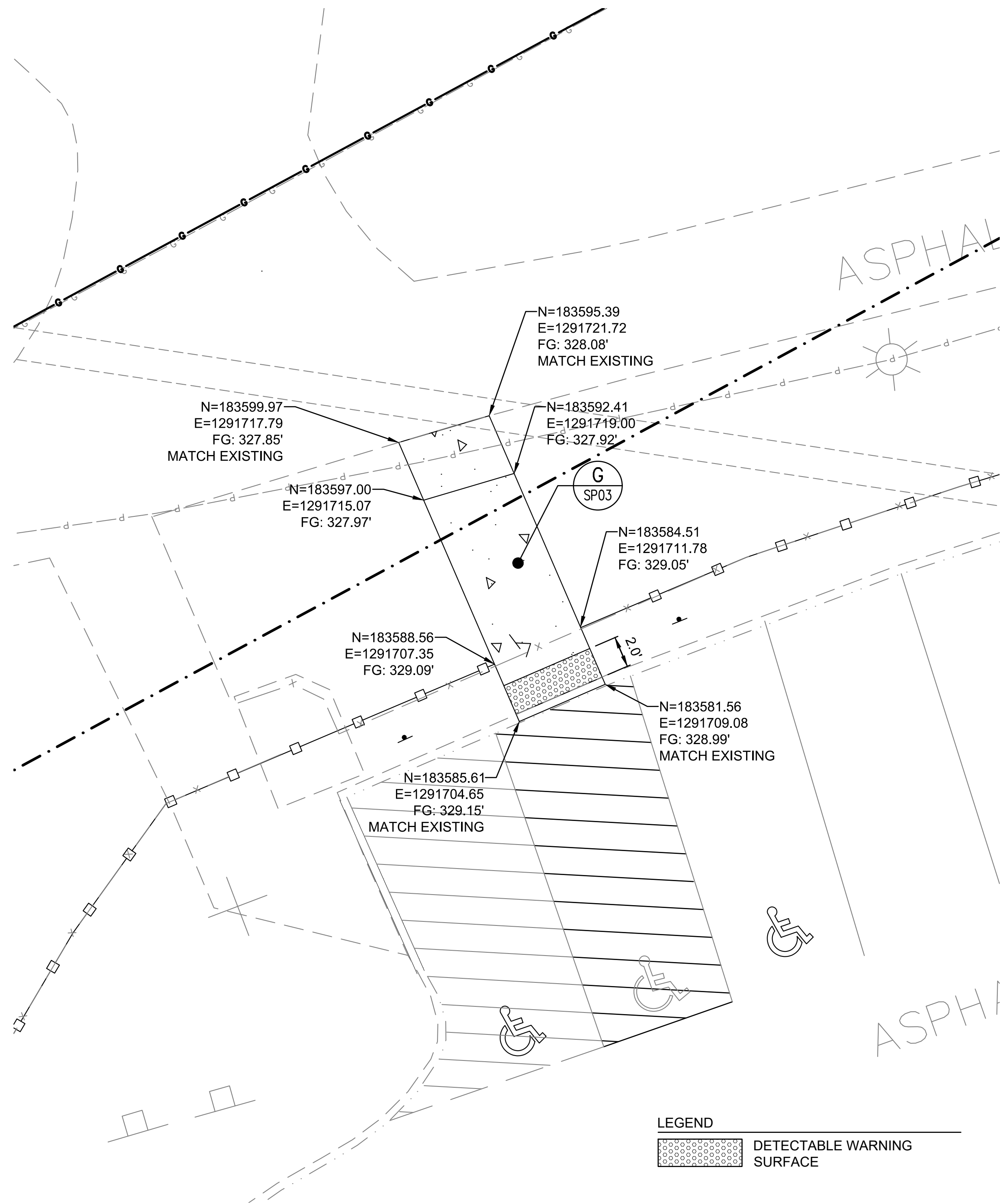


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Christie True, Director

SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178
BENCH DETAILS

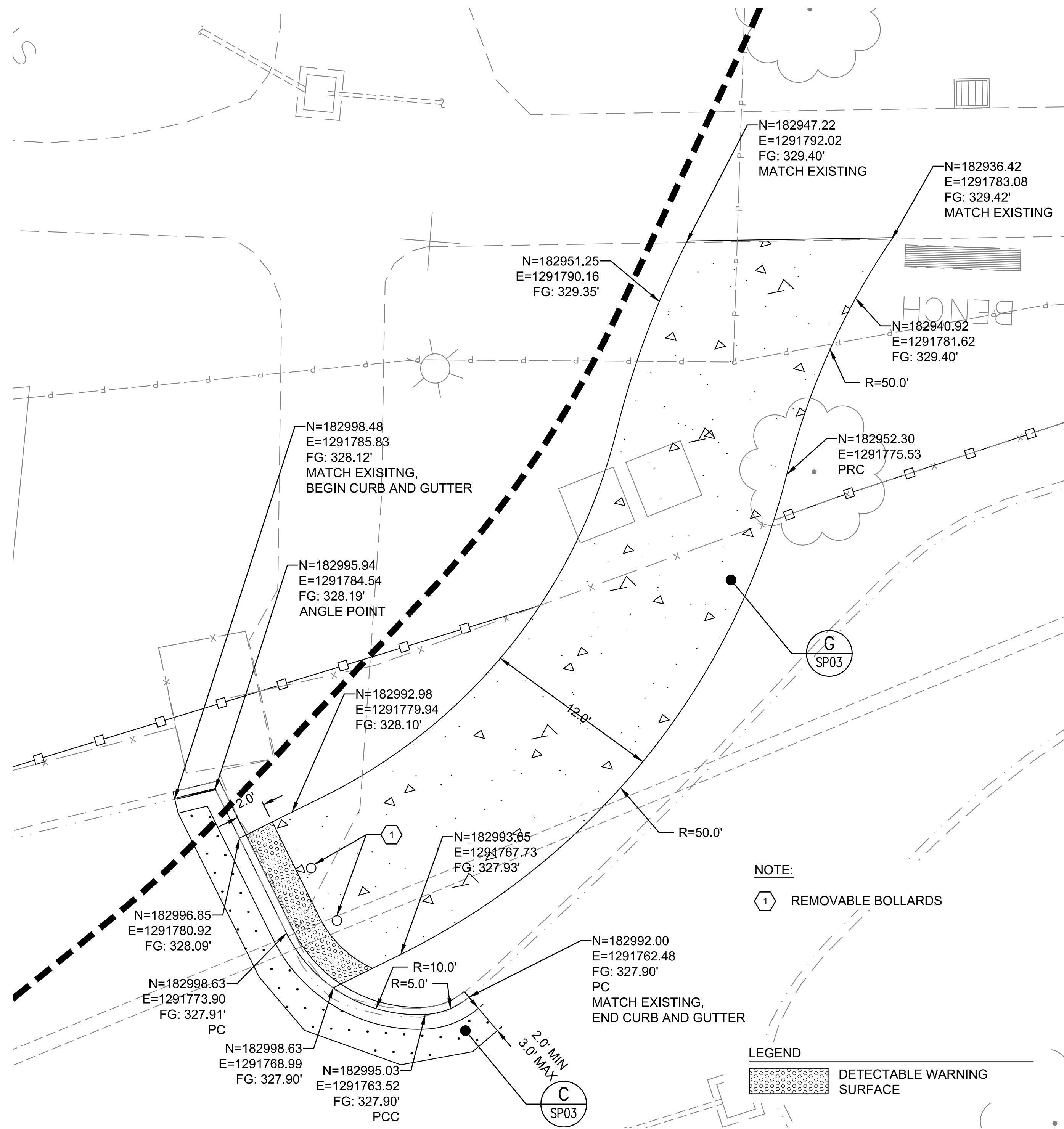
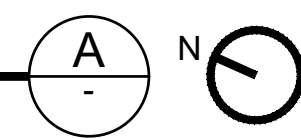
SHEET
20
OF
37
SHEETS
SP07

Name: W:\118 Date: Sep 30, 2021 -04:02:57pm File: Z:\11800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\9_KCSP1-SP-DTLS.dwg



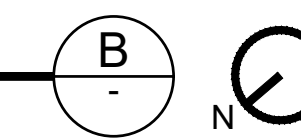
CURB RAMP GRADING DETAIL

1" = 5'



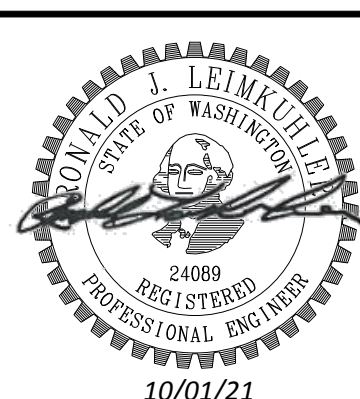
CURB RAMP GRADING DETAIL

1" = 5'



FOR CONSTRUCTION

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR				DESIGN TEAM		
PROJECT #	1129700	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
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APPROVED	R. LEIMKUHLER	09/30/2021					CIVIL ENG.	KPFF
REVIEWED	R. LEIMKUHLER	09/30/2021					LAND. ARCH.	NA
DRAWN	J. ONG	09/30/2021						



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 Parks and Recreation Division
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 Christie True, Director

SKYWAY PARK IMPROVEMENTS
 SKYWAY PARK
 7121 S. 120TH PLACE
 SEATTLE, WA 98178

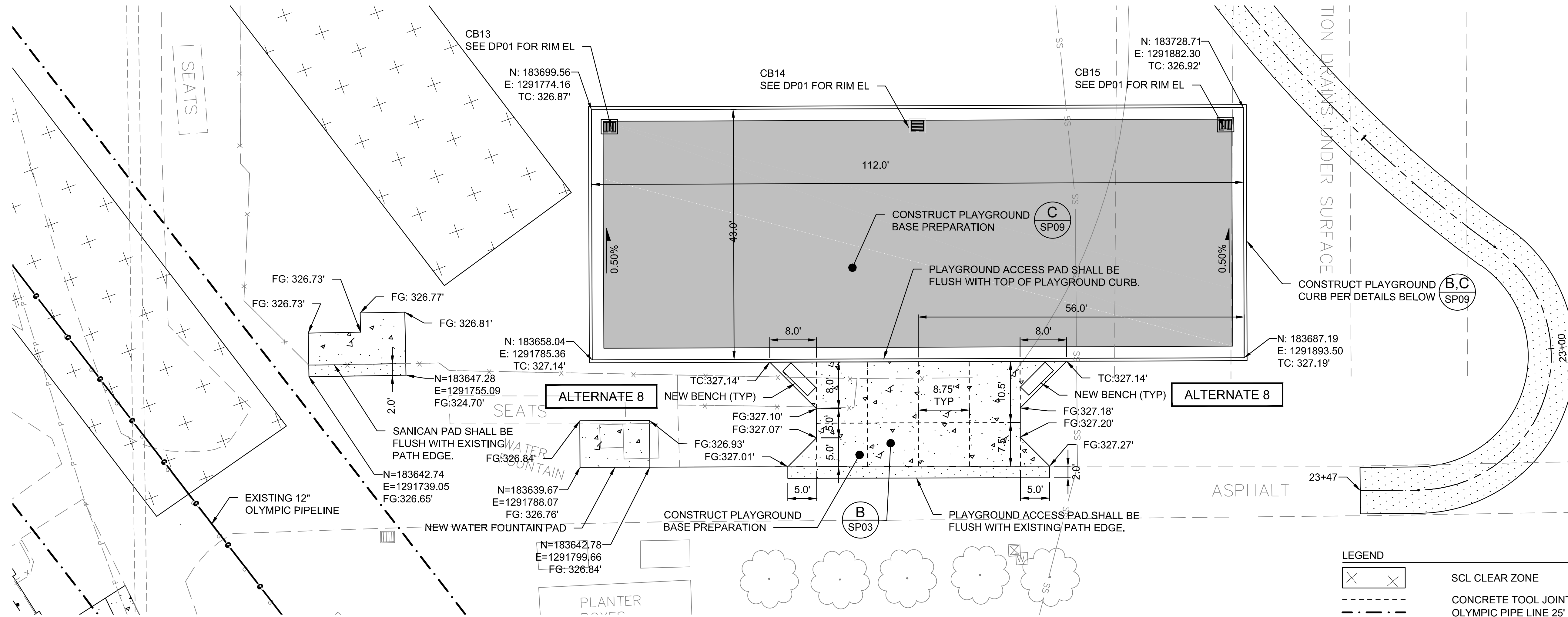
CURB RAMP DETAILS

SHEET
21
 OF
37
 SHEETS

SP08

811
 KNOW WHAT'S BELOW.
 CALL 2 BUSINESS DAYS
 BEFORE YOU DIG.
 (UTILITY LOCATIONS ARE APPROX.)

Name: jeffrey Date: Nov 08, 2021-04:13:12pm File: Z:\1800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set9_KCSP1-SP-DTL.S.dwg

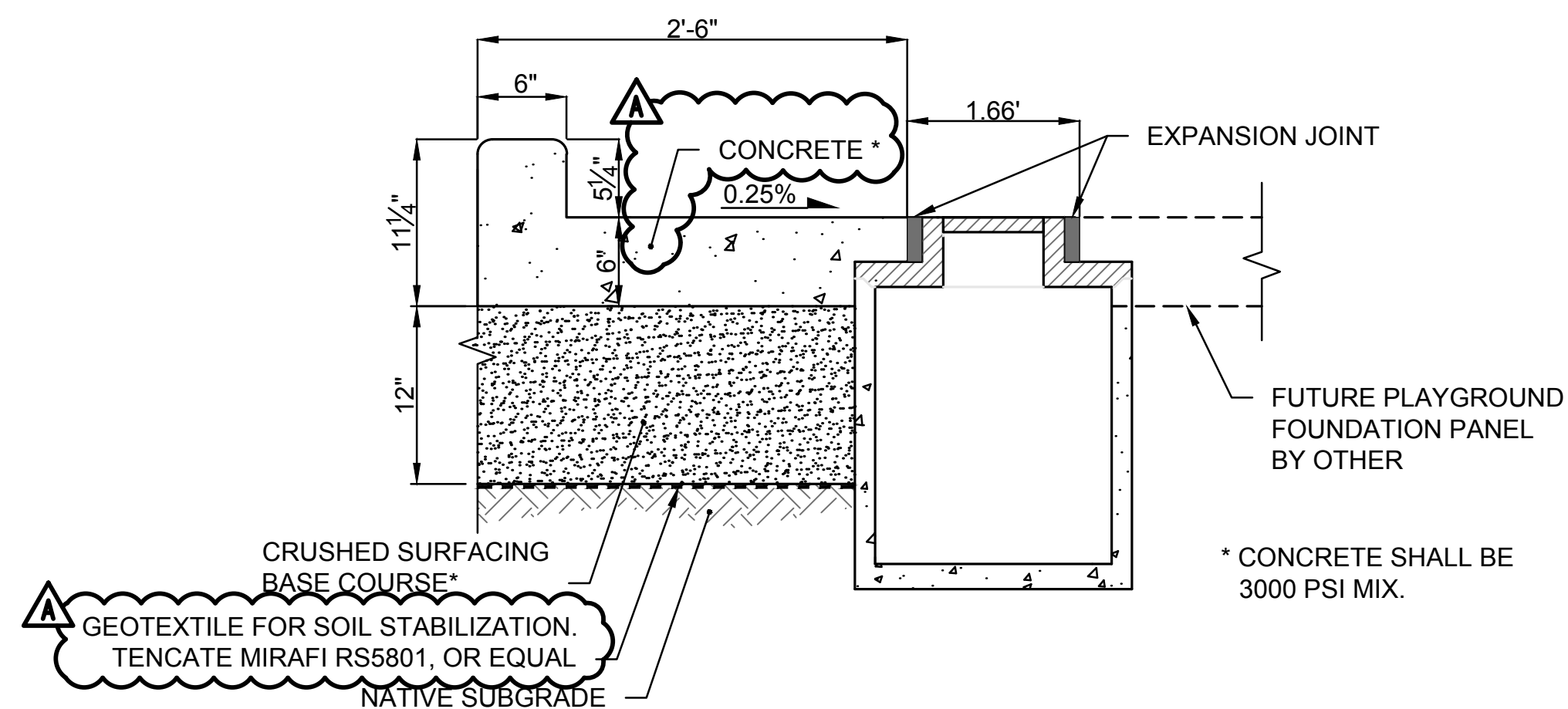


PLAYGROUND, PLAYGROUND ACCESS GRADING DETAIL

1" = 10'
11 X 17 - 1" = 20'

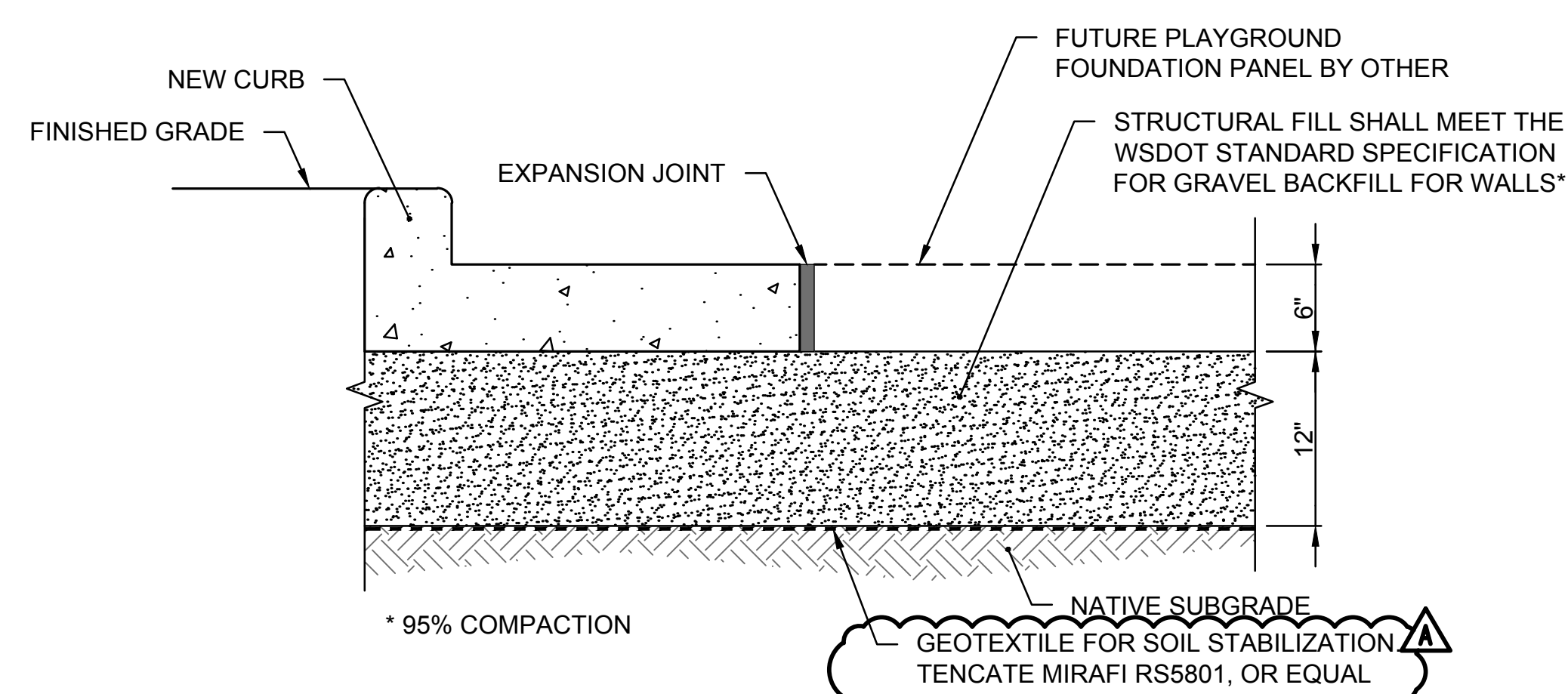
LEGEND

- SCL CLEAR ZONE
- CONCRETE TOOL JOINT
- OLYMPIC PIPE LINE 25' OFFSET
- CHAIN LINK FENCE



PLAYGROUND CURB AND GUTTER AT WSDOT INLET

NTS



PLAYGROUND BASE PREPARATION

NTS

SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA	
1129700	09/30/2021					STRUCT. ENG.	NA	
ISSUED	09/30/2021					CIVIL ENG.	KPFF	
APPROVED	09/30/2021					LAND. ARCH.	NA	
REVIEWED	09/30/2021							
DRAWN	09/30/2021	A	ADDENDUM #1	PDS	11/05/2021			



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 Parks and Recreation Division
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 Christie True, Director

SKYWAY PARK IMPROVEMENTS
 SKYWAY PARK
 7121 S. 120TH PLACE
 SEATTLE, WA 98178

PLAYGROUND DETAILS

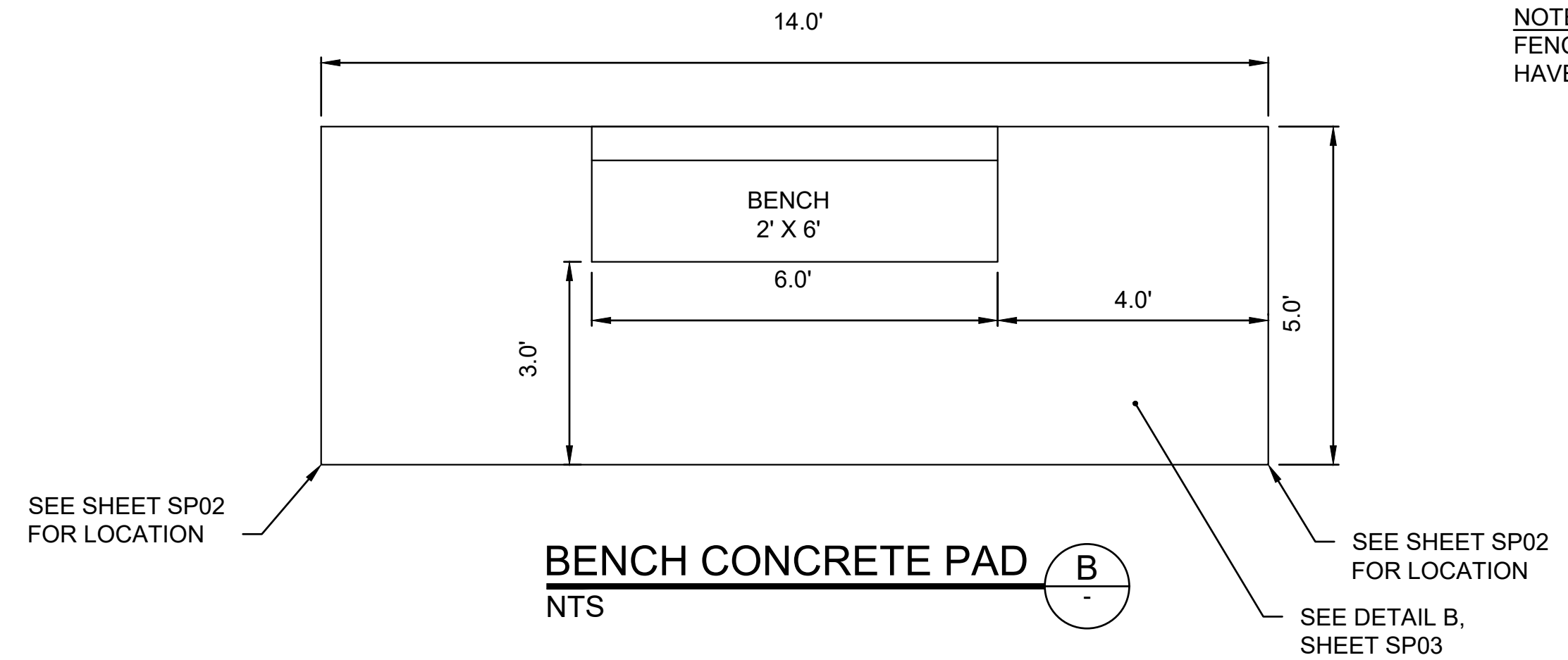
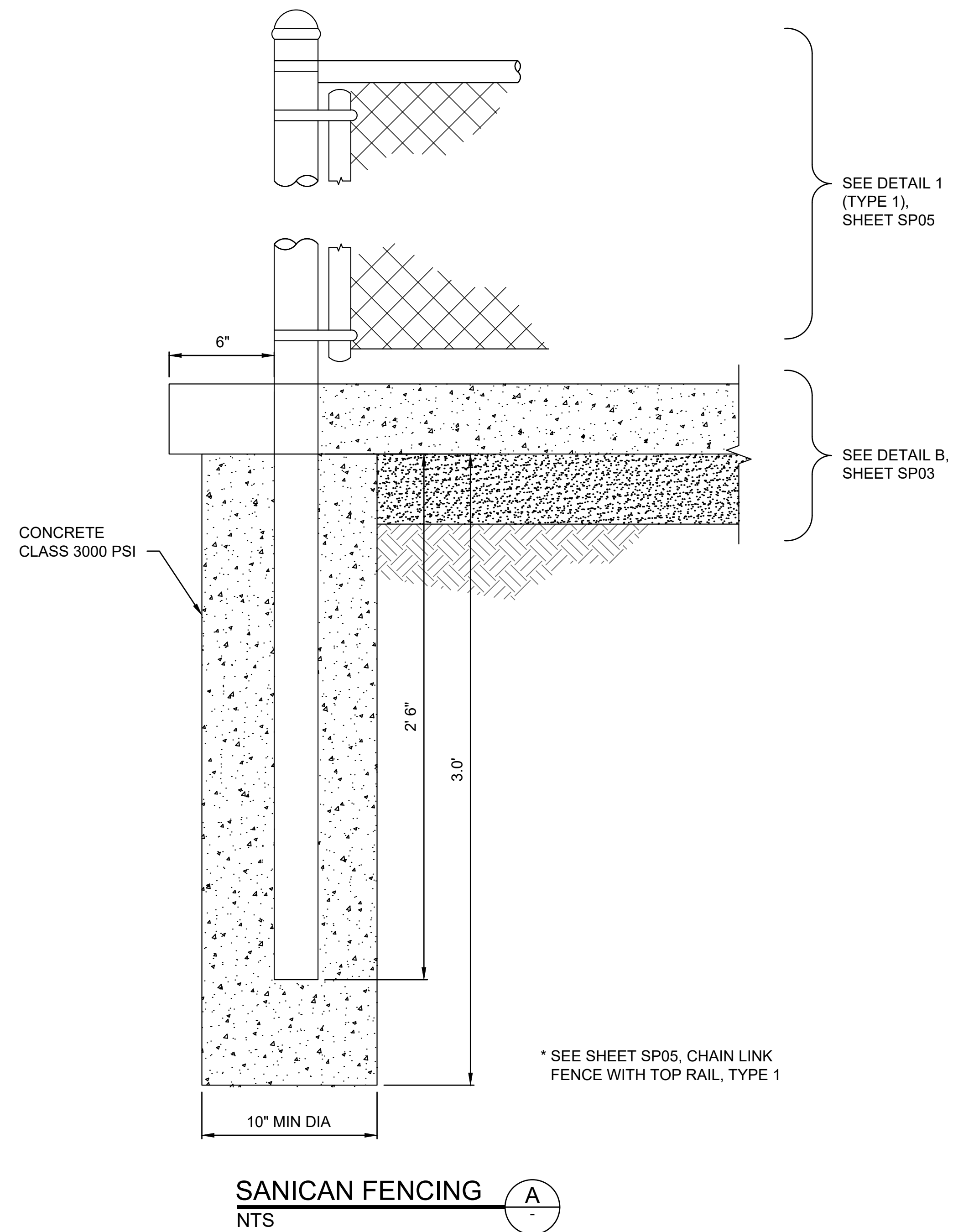
811
 KNOW WHAT'S BELOW.
 CALL 2 BUSINESS DAYS
 BEFORE YOU DIG.
 (UTILITY LOCATIONS ARE APPROX.)

SHEET
 22
 OF
 37
 SHEETS

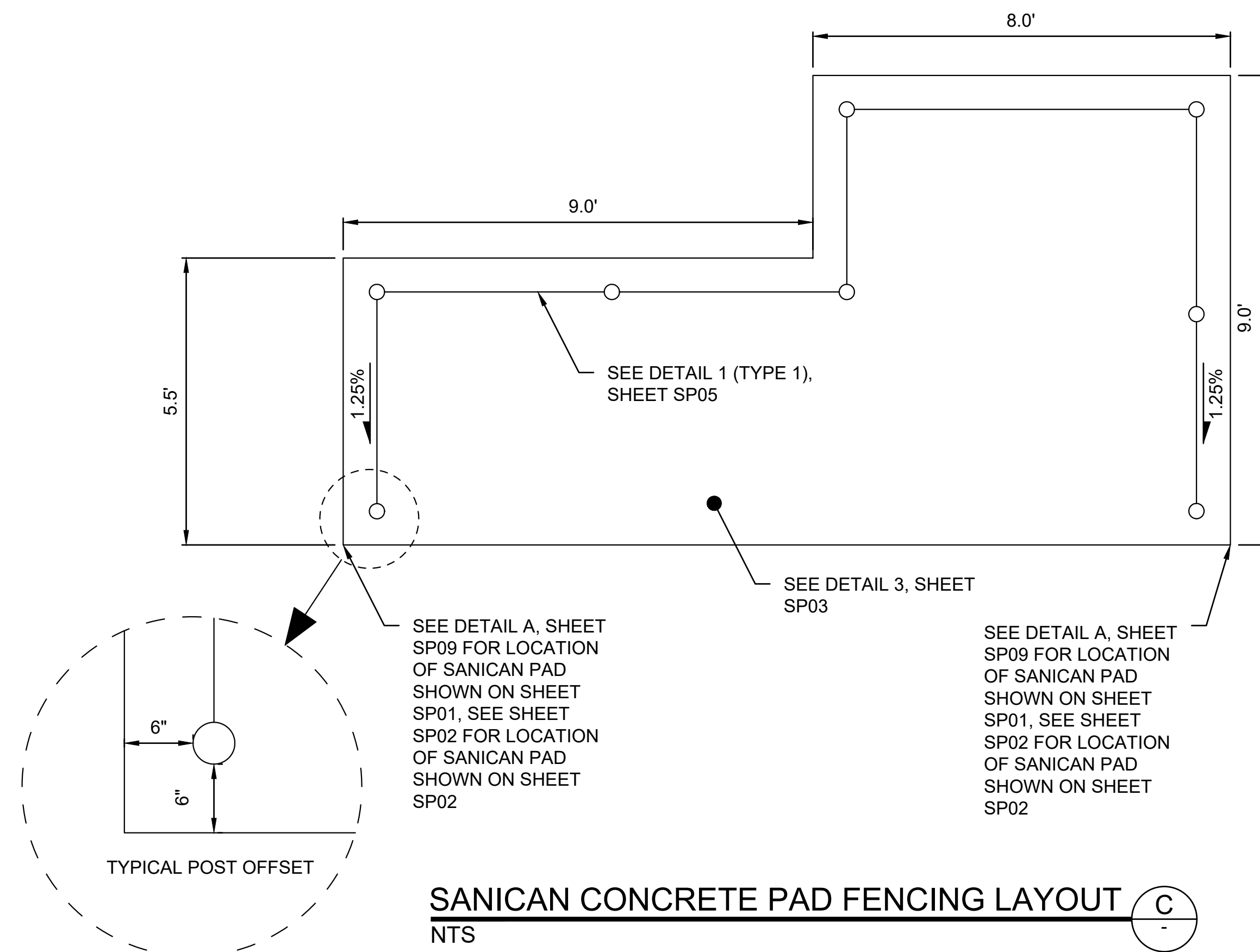
SP09

FOR CONSTRUCTION

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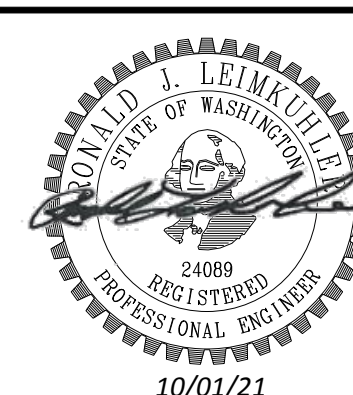
NOTE:
FENCE ENCLOSURE FOR SANICAN SHALL HAVE SCREENING SLATS INSTALLED.



FOR CONSTRUCTION

811
KNOW WHAT'S BELOW.
CALL 2 BUSINESS DAYS
BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

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PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA	
ISSUED	-	09/30/2021				STRUCT. ENG.	NA	
APPROVED	R. LEIMKUHLER	09/30/2021				CIVIL ENG.	KPFF	
REVIEWED	R. LEIMKUHLER	09/30/2021				LAND. ARCH.	NA	
DRAWN	J. ONG	09/30/2021						



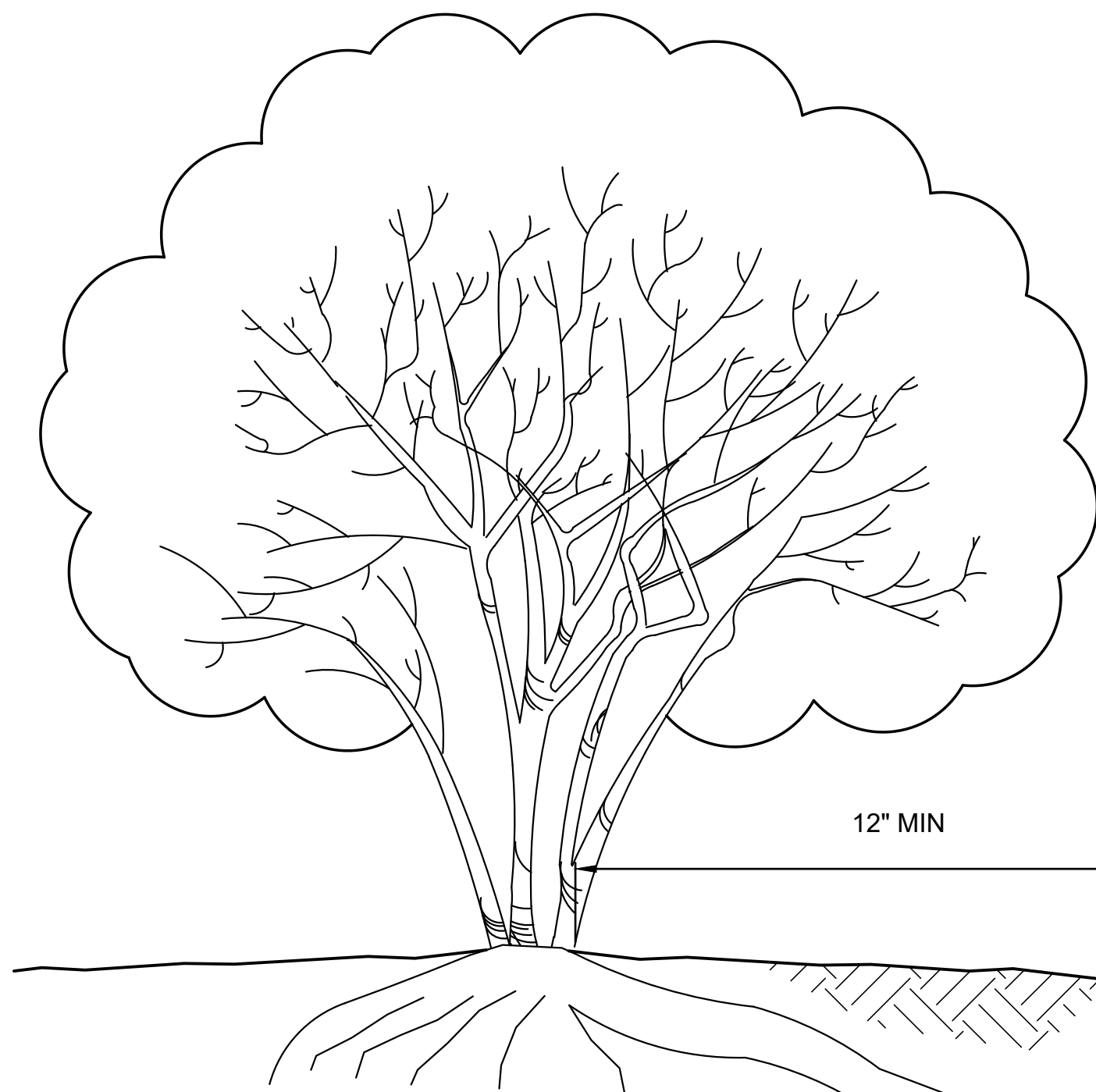
King County
Department of Natural Resources and Parks
Parks and Recreation Division
Capital Projects Section
201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178

SANICAN FENCING AND BENCH PAD DETAILS

SHEET
23
OF
37
SHEETS
SP10

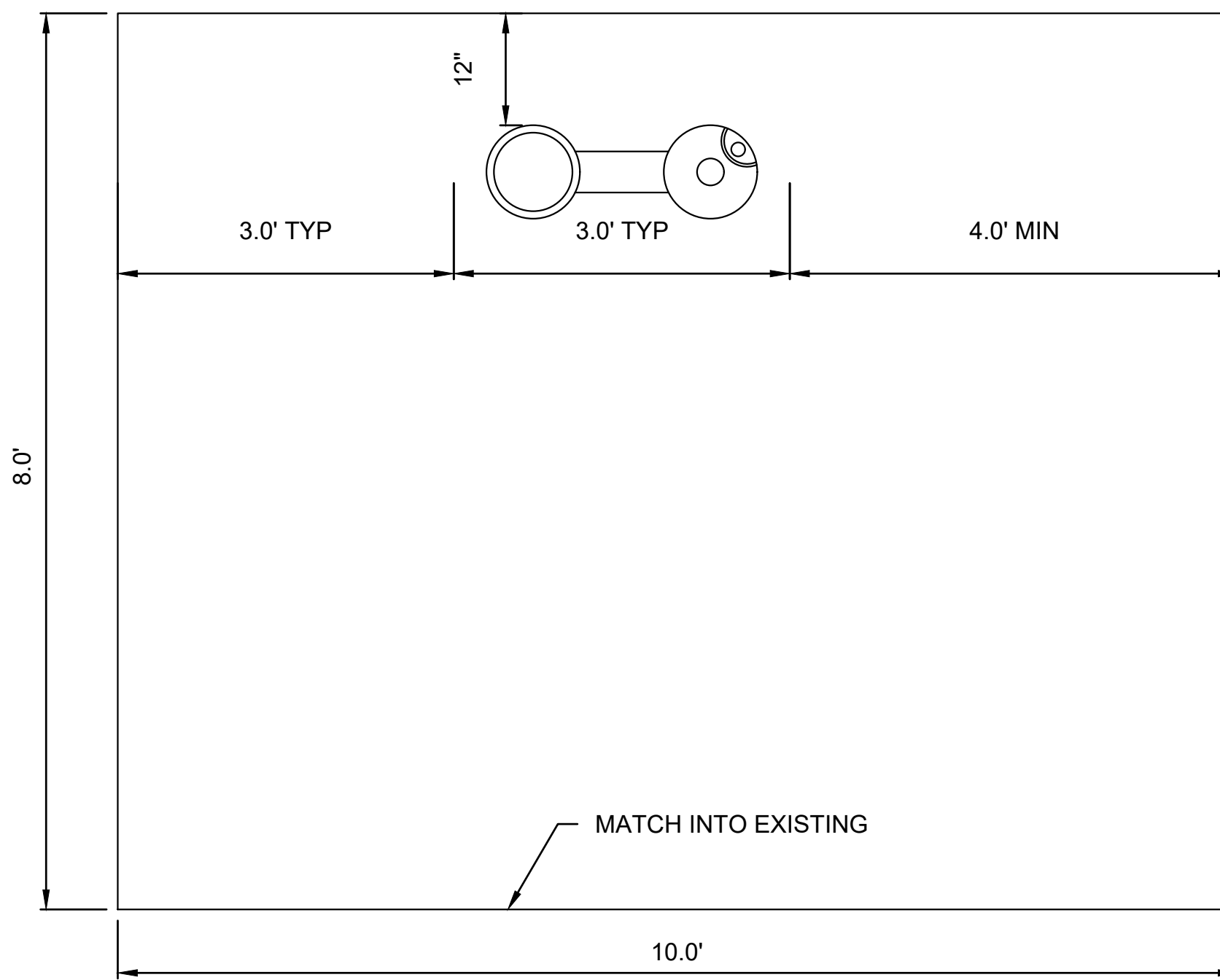
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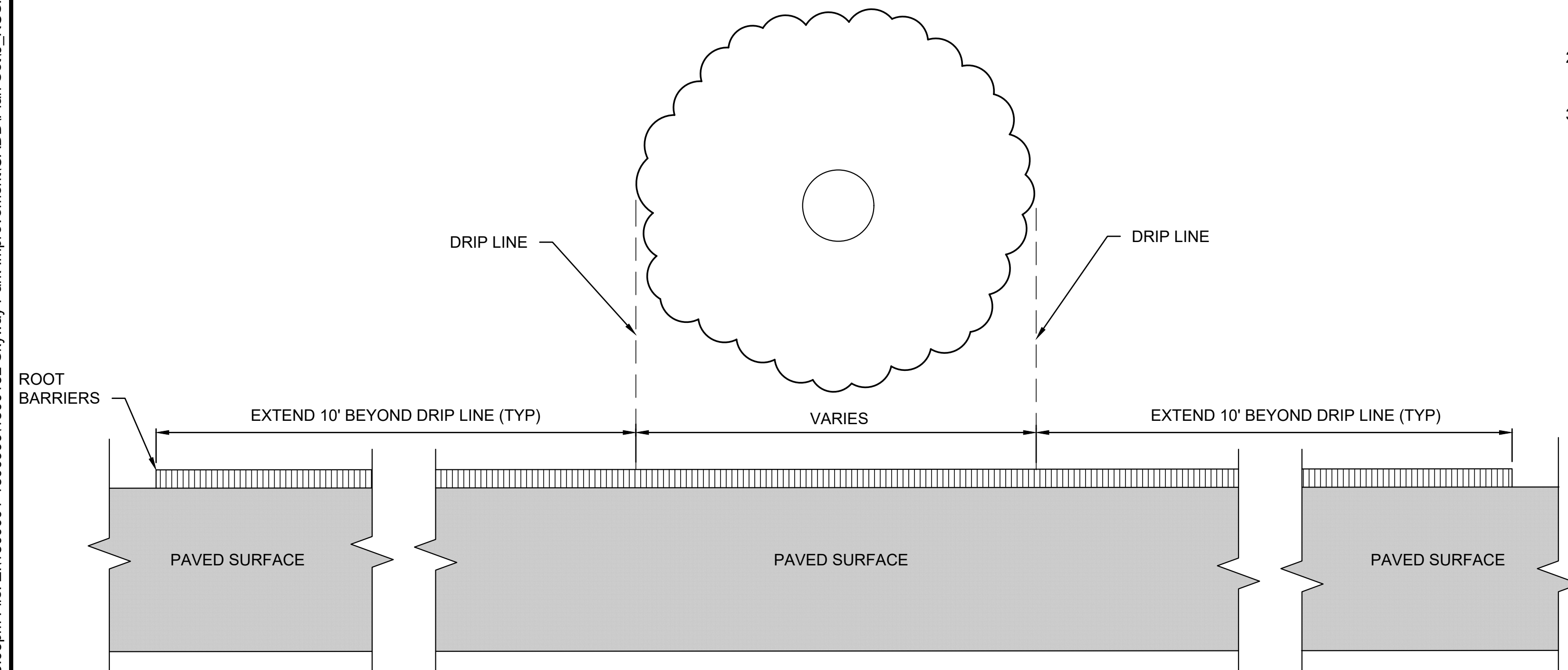
ROOT BARRIER NOTES:

1. ALL ROOTS MORE THAN 1" IN DIAMETER THAT HAVE BEEN EXPOSED AND DAMAGED FROM THE TRENCHING ACTIVITIES SHALL BE REMOVED. MAKE A CLEAN STRAIGHT CUT TO EXPOSE DAMAGED PORTION OF ROOT.
2. LARGE EXPOSED ROOTS SHOULD BE COVERED IN DAMP BURLAP TO TEMPORARILY PREVENT DRYING AND DAMAGE.
3. CONTRACTOR SHALL CONSULT A CERTIFIED ARBORIST REGARDING THINNING OF THE FOLIAR CANOPY.
4. ROOT BARRIER SHALL BE A MINIMUM 24" DEEP. CENTER ROOT BARRIER ON TRUNK OF TREE.
5. WATER TREE THOROUGHLY AFTER INSTALLATION OF ROOT BARRIER.

ROOT BARRIER PROFILE A
NTS SP02



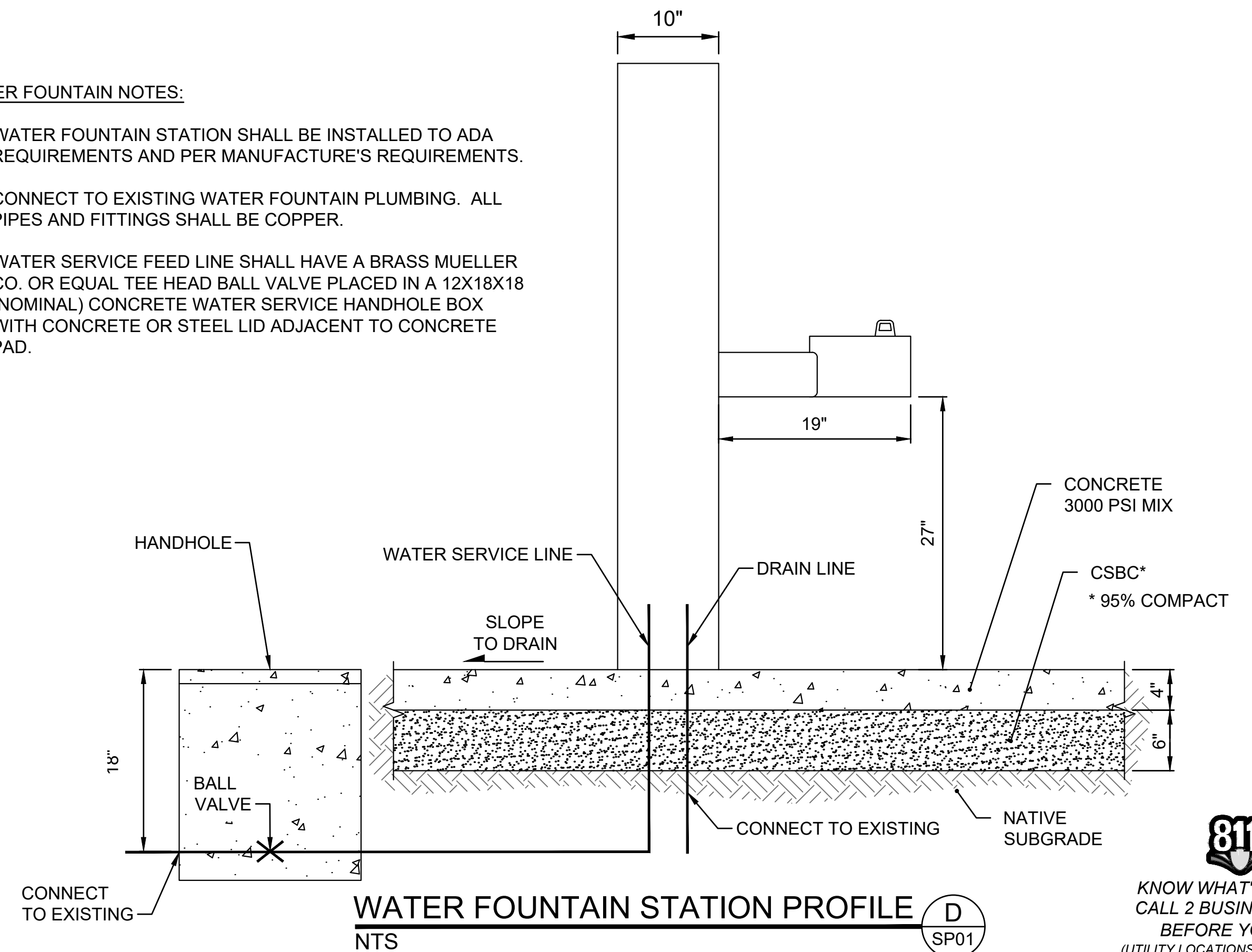
WATER FOUNTAIN STATION PLAN VIEW C
NTS SP01-09



ROOT BARRIER PLAN B
NTS SP02

WATER FOUNTAIN NOTES:

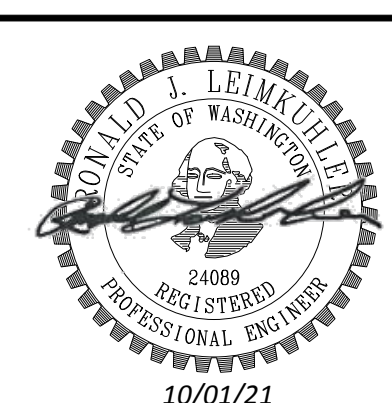
1. WATER FOUNTAIN STATION SHALL BE INSTALLED TO ADA REQUIREMENTS AND PER MANUFACTURE'S REQUIREMENTS.
2. CONNECT TO EXISTING WATER FOUNTAIN PLUMBING. ALL PIPES AND FITTINGS SHALL BE COPPER.
3. WATER SERVICE FEED LINE SHALL HAVE A BRASS MUELLER CO. OR EQUAL TEE HEAD BALL VALVE PLACED IN A 12X18X18 (NOMINAL) CONCRETE WATER SERVICE HANDHOLE BOX WITH CONCRETE OR STEEL LID ADJACENT TO CONCRETE PAD.



WATER FOUNTAIN STATION PROFILE D
NTS SP01

811
KNOW WHAT'S BELOW.
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BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

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PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	-	09/30/2021				STRUCT. ENG.	NA
APPROVED	R. LEIMKUHLE	09/30/2021				CIVIL ENG.	KPFF
REVIEWED	R. LEIMKUHLE	09/30/2021				LAND. ARCH.	NA
DRAWN	J. ONG	09/30/2021					



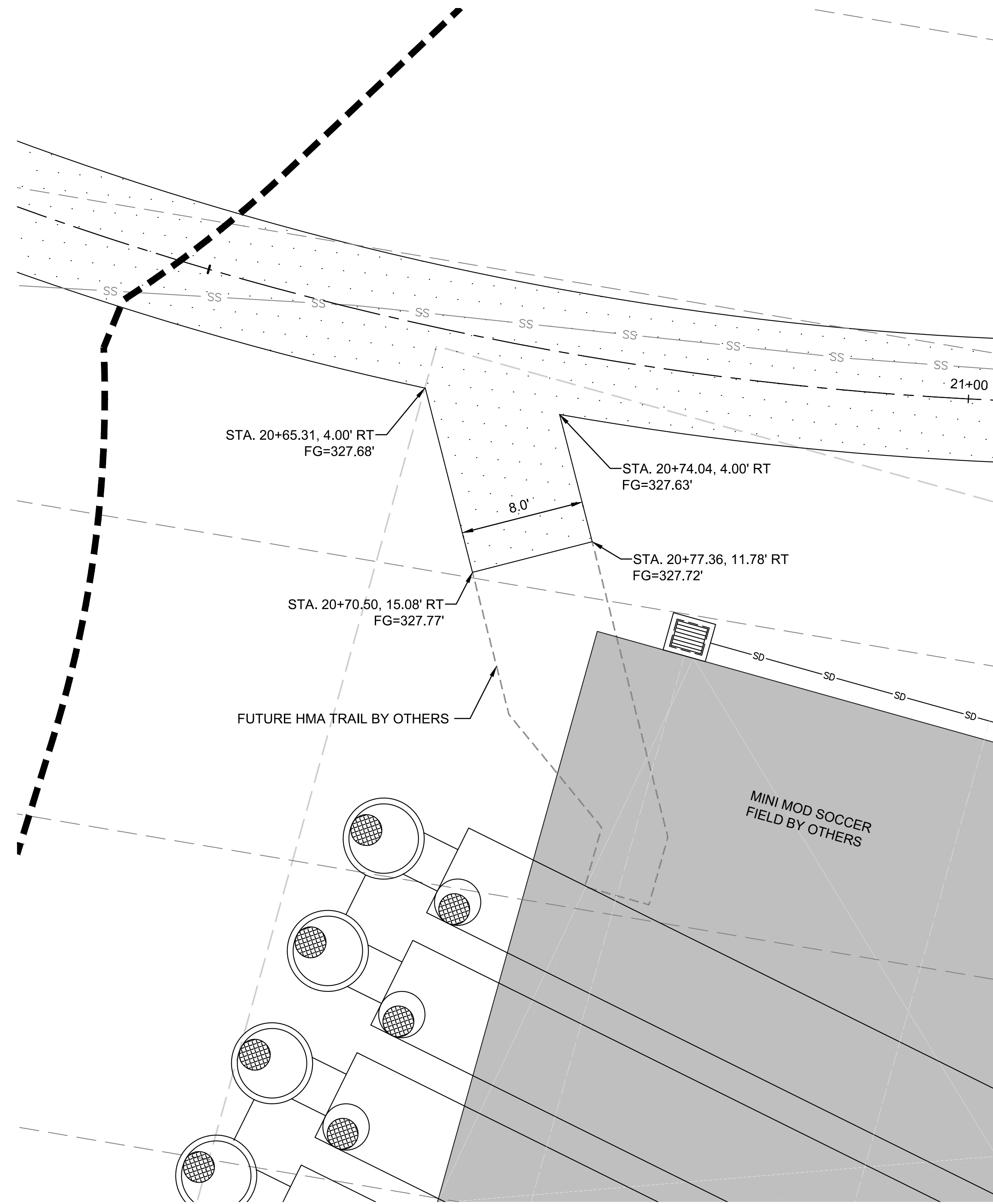
King County
Department of Natural Resources and Parks
Parks and Recreation Division
Capital Projects Section
201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178
ROOT BARRIER & WATER FOUNTAIN STATION

SHEET
24
OF
37
SHEETS
SP11

FOR CONSTRUCTION

Name: Willis Date: Sep 30, 2021 -04:03:07pm File: Z:\18000001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\19_KCSP-SP-DTLS.dwg



MINI MOD ACCESS PATH DETAIL (A) N
1" = 5'

FOR CONSTRUCTION

811
KNOW WHAT'S BELOW.
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BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	-	09/30/2021				STRUCT. ENG.	NA
APPROVED	R. LEIMKUHLER	09/30/2021				CIVIL ENG.	KPFF
REVIEWED	R. LEIMKUHLER	09/30/2021				LAND. ARCH.	NA
DRAWN	J. ONG	09/30/2021					

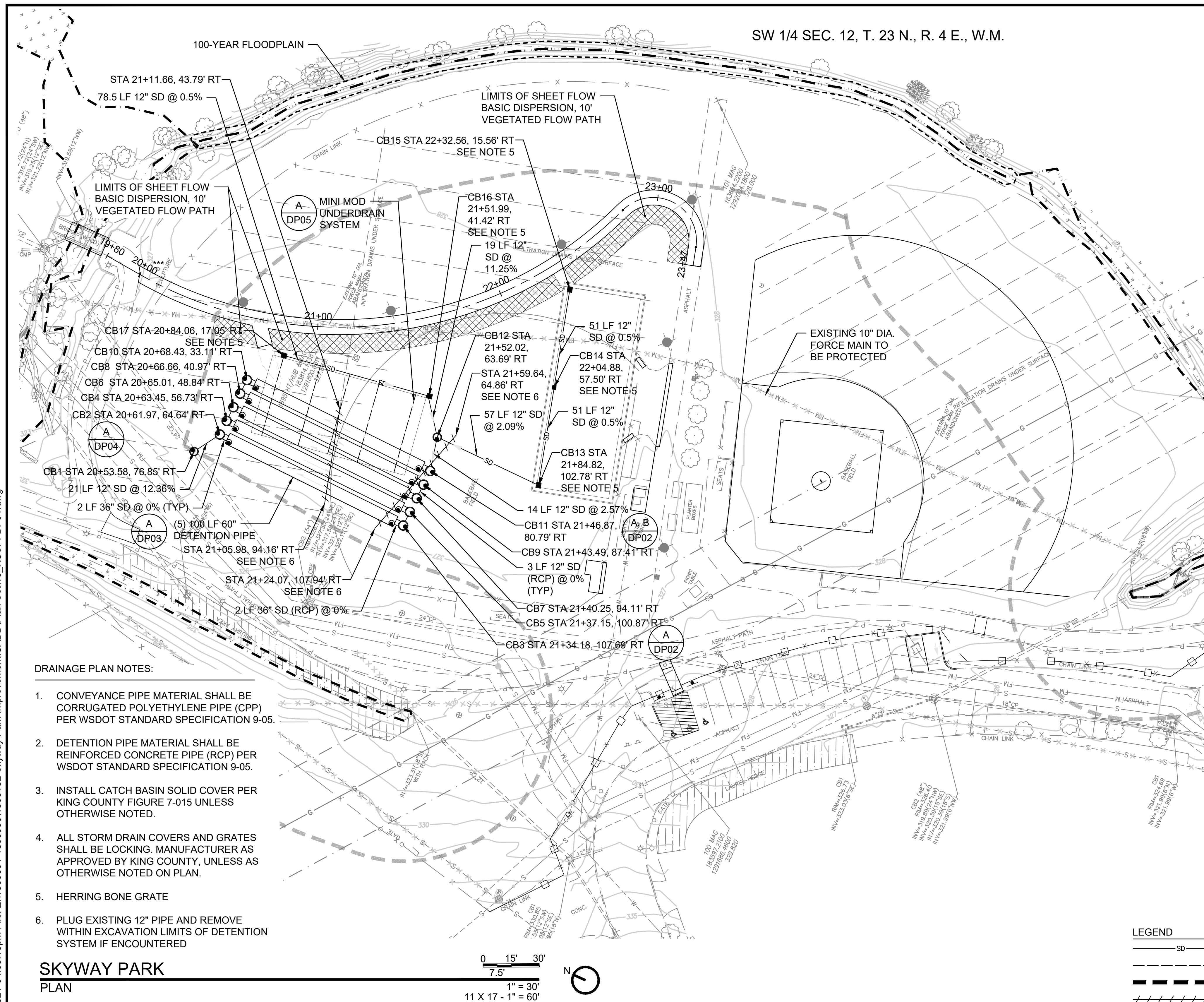


King County
Department of Natural Resources and Parks
Parks and Recreation Division
Capital Projects Section
201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

SKYWAY PARK IMPROVEMENTS	
SKYWAY PARK 7121 S. 120TH PLACE SEATTLE, WA 98178	
MINI MOD ACCESS PATH DETAILS	

SHEET	
25	OF
37	SHEETS
SP12	

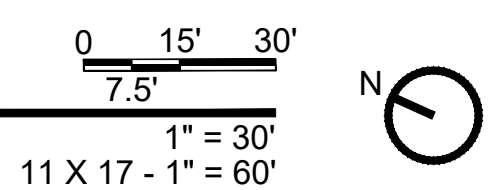
SW 1/4 SEC. 12, T. 23 N., R. 4 E., W.M.



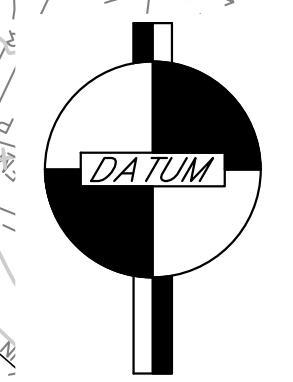
DRAINAGE STRUCTURES							
STRUCTURE	TYPE	RIM EL.	INVERT EL.	LOC.	FLOW	SIZE	NOTES
CB1	CATCH BASIN TYPE II - 48"	327.24	317.16	SE	IN	12"	CONNECT TO EXISTING
			317.16	SW	IN	24"	
			317.16	NE	OUT	24"	
CB2	CATCH BASIN TYPE II - 54"	327.19	318.89	S	IN	36"	SYSTEM OUTLET STRUCTURE
			318.89	W	OUT	12"	
CB3	CATCH BASIN TYPE II - 54"	327.12	318.89	E	IN	12"	
			318.89	N	OUT	36"	
CB4	CATCH BASIN TYPE II - 54"	327.25	318.89	E	IN	12"	
			318.89	S	OUT	36"	
CB5	CATCH BASIN TYPE II - 54"	327.21	318.89	N	IN	36"	
			318.89	W	OUT	12"	
CB6	CATCH BASIN TYPE II - 54"	323.32	318.89	S	IN	36"	
			318.89	W	OUT	12"	
CB7	CATCH BASIN TYPE II - 54"	327.29	318.89	E	IN	12"	
			318.89	N	OUT	36"	
CB8	CATCH BASIN TYPE II - 54"	327.39	318.89	E	IN	12"	
			318.89	S	OUT	36"	
CB9	CATCH BASIN TYPE II - 54"	327.38	318.89	N	IN	36"	
			318.89	W	OUT	12"	
CB10	CATCH BASIN TYPE II - 54"	327.46	318.89	S	IN	36"	
			318.89	W	OUT	12"	
CB11	CATCH BASIN TYPE II - 54"	327.46	318.89	E	IN	12"	SYSTEM INLET STRUCTURE
			318.89	N	OUT	36"	
CB12	CATCH BASIN TYPE II - 48"	327.62	323.00	NE	IN	12"	FROM MINI MOD FROM PLAYGROUND
			322.75	S	IN	12"	
			319.25	W	OUT	12"	
CB13	CATCH BASIN TYPE I	326.43	323.44	E	IN	12"	PLAYGROUND
			323.44	N	OUT	12"	
CB14	CATCH BASIN TYPE I	326.45	323.70	E	IN	12"	PLAYGROUND
			323.70	W	OUT	12"	
CB15	CATCH BASIN TYPE I	326.47	323.96	W	OUT	12"	PLAYGROUND
CB16	CATCH BASIN TYPE I	327.73	325.10	N	IN	12"	
			325.10	SW	OUT	12"	
CB 17	CATCH BASIN TYPE I	327.73	326.23	W	IN	6"	FUTURE MINI MOD DRAINAGE
			325.50	S	OUT	12"	

- DRAINAGE PLAN NOTES:**
- CONVEYANCE PIPE MATERIAL SHALL BE CORRUGATED POLYETHYLENE PIPE (CPP) PER WSDOT STANDARD SPECIFICATION 9-05.
 - DETENTION PIPE MATERIAL SHALL BE REINFORCED CONCRETE PIPE (RCP) PER WSDOT STANDARD SPECIFICATION 9-05.
 - INSTALL CATCH BASIN SOLID COVER PER KING COUNTY FIGURE 7-015 UNLESS OTHERWISE NOTED.
 - ALL STORM DRAIN COVERS AND GRATES SHALL BE LOCKING, MANUFACTURER AS APPROVED BY KING COUNTY, UNLESS AS OTHERWISE NOTED ON PLAN.
 - HERRING BONE GRATE
 - PLUG EXISTING 12" PIPE AND REMOVE WITHIN EXCAVATION LIMITS OF DETENTION SYSTEM IF ENCOUNTERED

SKYWAY PARK
PLAN



- LEGEND**
- SD PROPOSED STORM
 - PROPOSED UNDERDRAIN
 - COMBINED CRITICAL AREA BUFFER
 - REMOVE PIPE IN EXCAVATION
 - TYPE II CATCH BASIN
 - ACCESS RISER
 - TYPE I CATCH BASIN

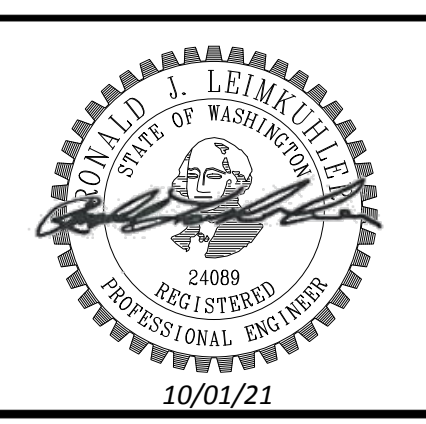


NAD 83/91
NAVD 88

KNOW WHAT'S BELOW.
CALL 2 BUSINESS DAYS
BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

FOR CONSTRUCTION

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR			DESIGN TEAM		
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	09/30/2021					STRUCT. ENG.	NA
APPROVED	09/30/2021					CIVIL ENG.	KPFF
REVIEWED	09/30/2021					LAND. ARCH.	NA
DRAWN	09/30/2021						



King County
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201 S. Jackson St., Suite 700, Seattle, WA 98104
Christie True, Director

SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178

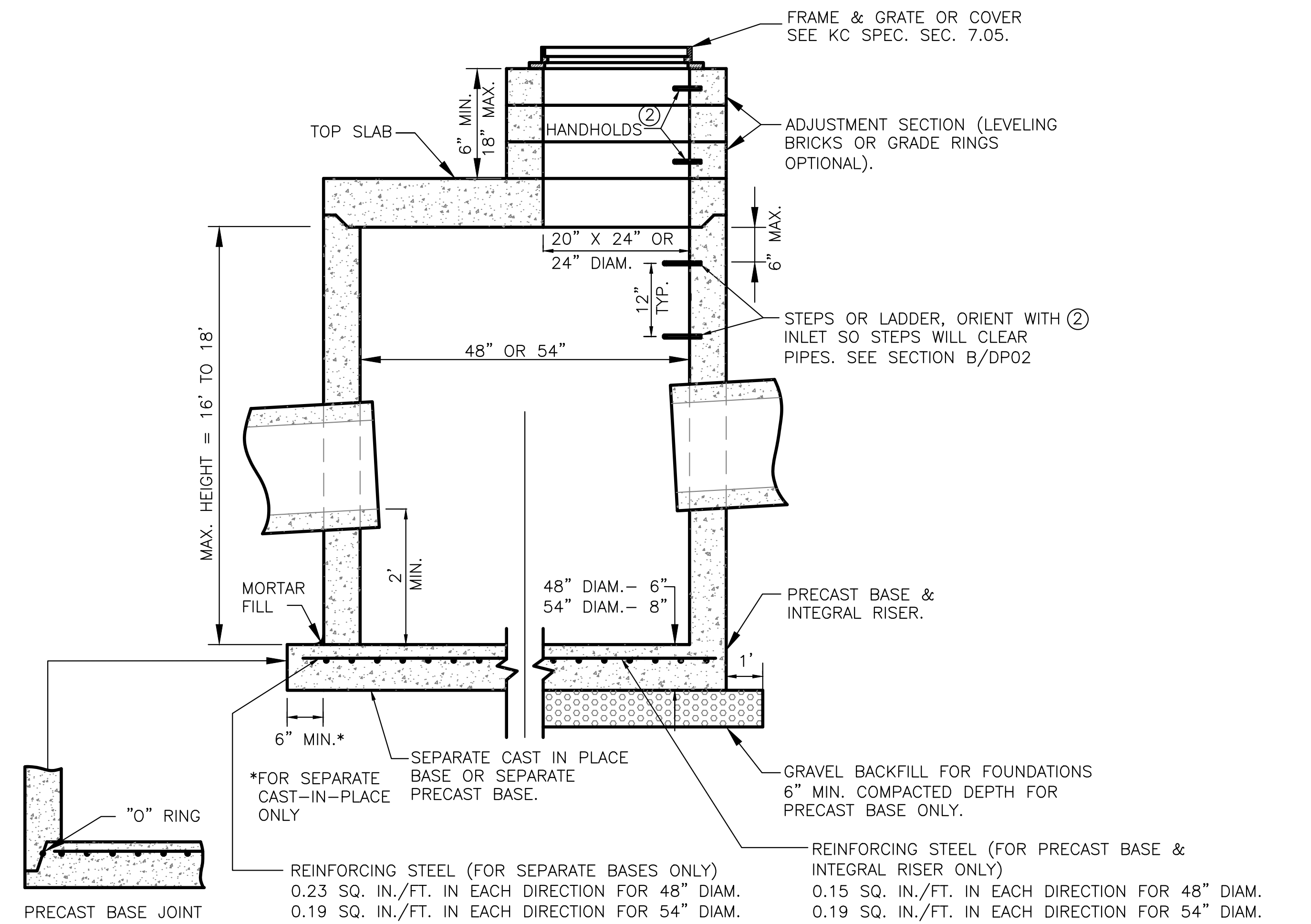
DRAINAGE PLAN

SHEET
26
OF
37
SHEETS

DP01

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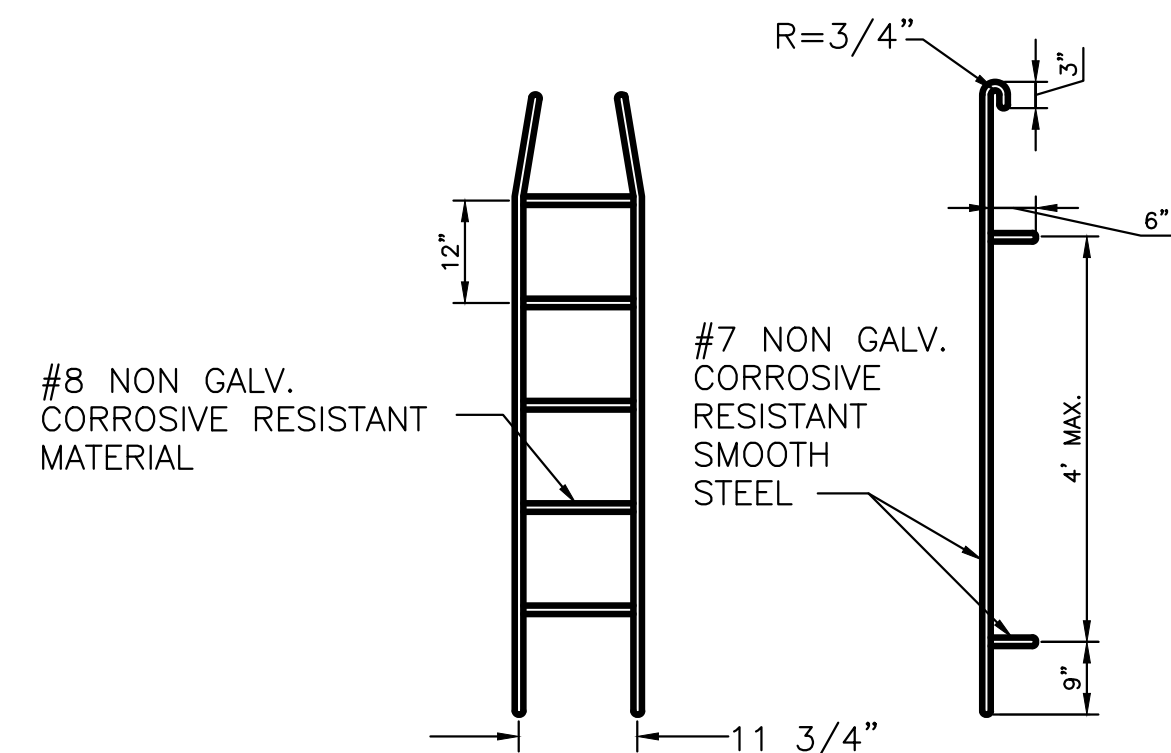
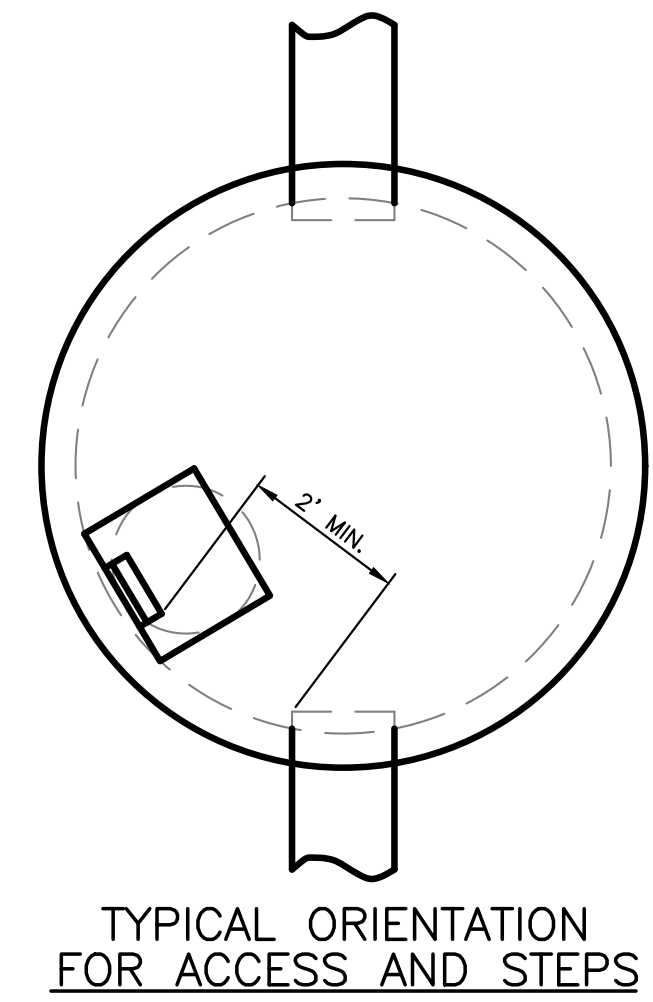
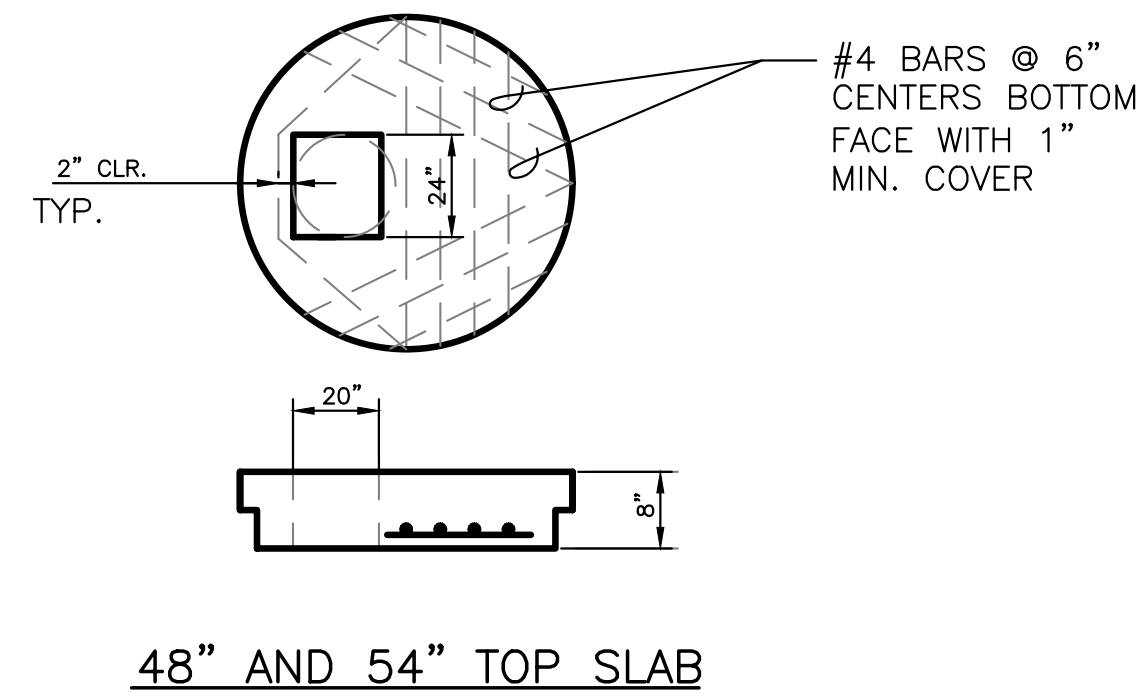
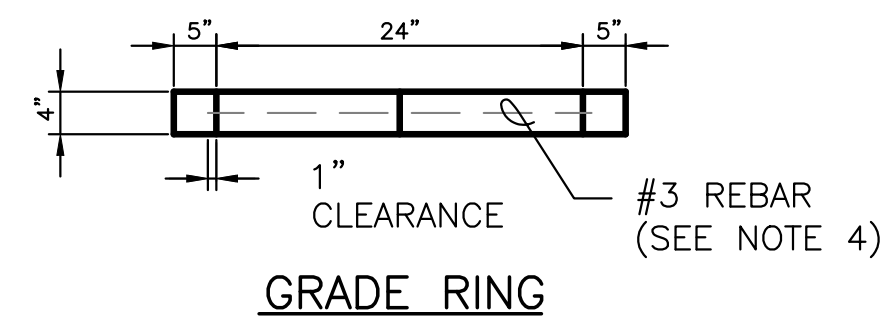
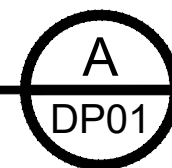


NOTES:

- CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M199 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE WSDOT/APWA STANDARD SPECIFICATIONS AND INCLUDE FRAME AND GRATES.
- HANDHOLDS IN ADJUSTMENT SECTION SHALL HAVE 3" MIN. CLEARANCE. STEPS IN CATCH BASIN SHALL HAVE 6" MIN. CLEARANCE. SEE FIG. SECTION B/DP04, CATCH BASIN DETAILS. HANDHOLDS SHALL BE PLACED IN ALTERNATING GRADE RINGS OR LEVELING BRICK COURSE WITH A MIN. OF ONE HANDHOLD BETWEEN THE LAST STEP AND TOP OF THE MANHOLE.
- ALL REINFORCED CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000. ALL PRECAST CONCRETE SHALL BE CLASS 4000.
- PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE WALL THICKNESS OF 2 IN. MIN. UNUSED KNOCKOUTS NEED NOT BE GROUTED IF WALL IS LEFT INTACT. PIPES SHALL BE INSTALLED ONLY IN FACTORY KNOCKOUTS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- KNOCKOUT OR CUTOUT HOLE SIZE SHALL EQUAL PIPE OUTER DIAM. PLUS CATCH BASIN WALL THICKNESS. MAX. HOLE SIZE SHALL BE 36 IN. FOR 48 IN. CATCH BASIN, 42 IN. FOR 54 IN. C.B. DISTANCE BETWEEN HOLES SHALL BE 8 IN. FOR 48 IN AND 54 IN.
- CATCH BASIN FRAMES AND GRATES OR COVERS SHALL BE IN ACCORDANCE WITH SECTION B AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION RR-F-621E. MATING SURFACES SHALL BE FINISHED TO ASSURE NON-ROCKING FIT WITH ANY COVER POSITION.
- ALL BASE REINFORCING STEEL SHALL HAVE A MIN. YIELD STRENGTH OF 60,000 PSI AND BE PLACED IN THE UPPER HALF OF THE BASE WITH 1 IN. MIN. CLEARANCE.
- MIN. SOIL BEARING VALUE SHALL EQUAL 3,300 POUNDS PER SQUARE FOOT.
- FOR DETAILS SHOWING LADDER, STEPS, HANDRAILS AND TOP SLABS SEE SECTION B.
- SEE THE WSDOT/APWA STANDARD SPECIFICATIONS SEC. 7-05.3 FOR JOINT REQUIREMENTS.
- SEE THE WSDOT/APWA STANDARD SPECIFICATIONS SECTION 9-05.15 FOR METAL CASTINGS REQUIREMENTS.

CATCH BASIN TYPE II

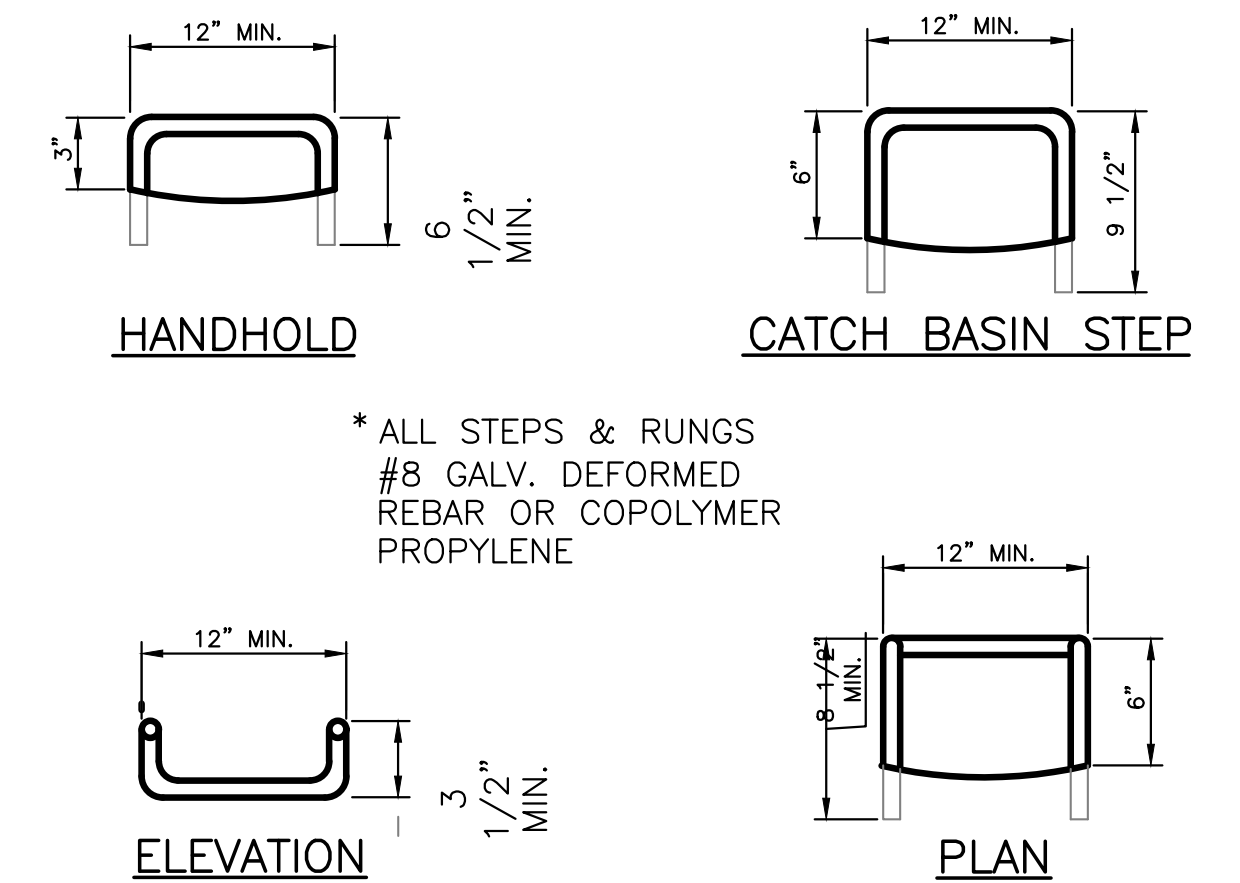
NTS



PREFABRICATED LADDER

NOTES:

- PROPRIETARY CATCH BASIN HANDHOLDS AND STEPS ARE ACCEPTABLE, PROVIDED THAT THEY CONFORM TO SEC. R, ASTM C478, AASHTO M-199 AND MEET ALL WISHA REQUIREMENTS.
- CATCH BASIN STEP/HANDHOLD LEGS SHALL BE PARALLEL OR APPROXIMATELY RADIAL AT THE OPTION OF THE MANUFACTURER, EXCEPT THAT ALL STEPS IN ANY CATCH BASIN SHALL BE SIMILAR. PENETRATION OF OUTER WALL BY A LEG IS PROHIBITED.
- HANDHOLDS AND STEPS SHALL HAVE "DROP" RUNGS AS SHOWN ON DETAIL OR PROTUBERANCES TO PREVENT SIDEWAYS SLIP.
- SLAB OPENING MAY BE 24" x 20" OR 24" DIAM.

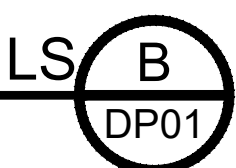


DROP RUNG CATCH BASIN STEP

* ALL STEPS & RUNGS #8 GALV. DEFORMED REBAR OR COPOLYMER PROPYLENE

CATCH BASIN TYPE II LID AND ACCESS DETAILS

NTS



- AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WIRE FABRIC HAVING A MIN. AREA OF 0.012 SQ. IN. PER FT. MAY BE USED. WELDED WIRE FABRIC SHALL COMPLY TO ASTM A497.
- LADDERS OR STEPS SHALL EXTEND TO WITHIN 16 IN. OF BOTH SIDES OF CATCH BASIN.
- HANGING LADDERS SHALL BE PERMANENTLY FASTENED AT TOP BY HANGING ON STEP OR BY BOLTING OR EMBEDDING IN CONCRETE. EASH SHALL BE EMBEDDED AT BOTTOM IN BASE.
- SEE THE WSDOT/APWA STANDARD SPECIFICATIONS SECTION 9-05.15 FOR METAL CASTINGS REQUIREMENTS.

811
 KNOW WHAT'S BELOW.
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 BEFORE YOU DIG.
 (UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	1129700	DATE	REV #	REVISION	BY	DATE	ARCH.
ISSUED	-	09/30/2021					NA
APPROVED	R. LEIMKUHLER	09/30/2021					STRUCT. ENG. NA
REVIEWED	R. LEIMKUHLER	09/30/2021					CIVIL ENG. KPFF
DRAWN	J. ONG	09/30/2021					LAND. ARCH. NA

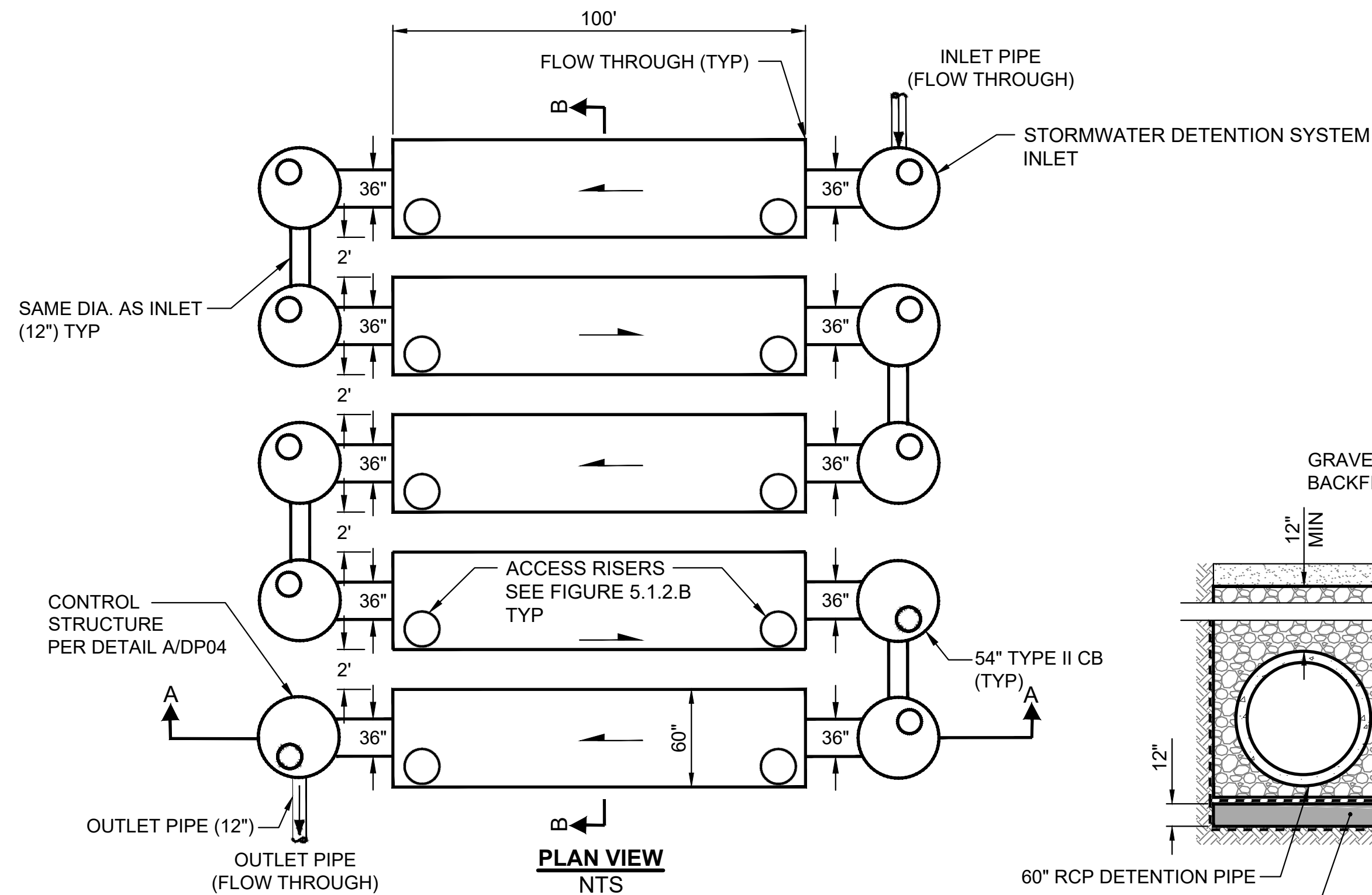


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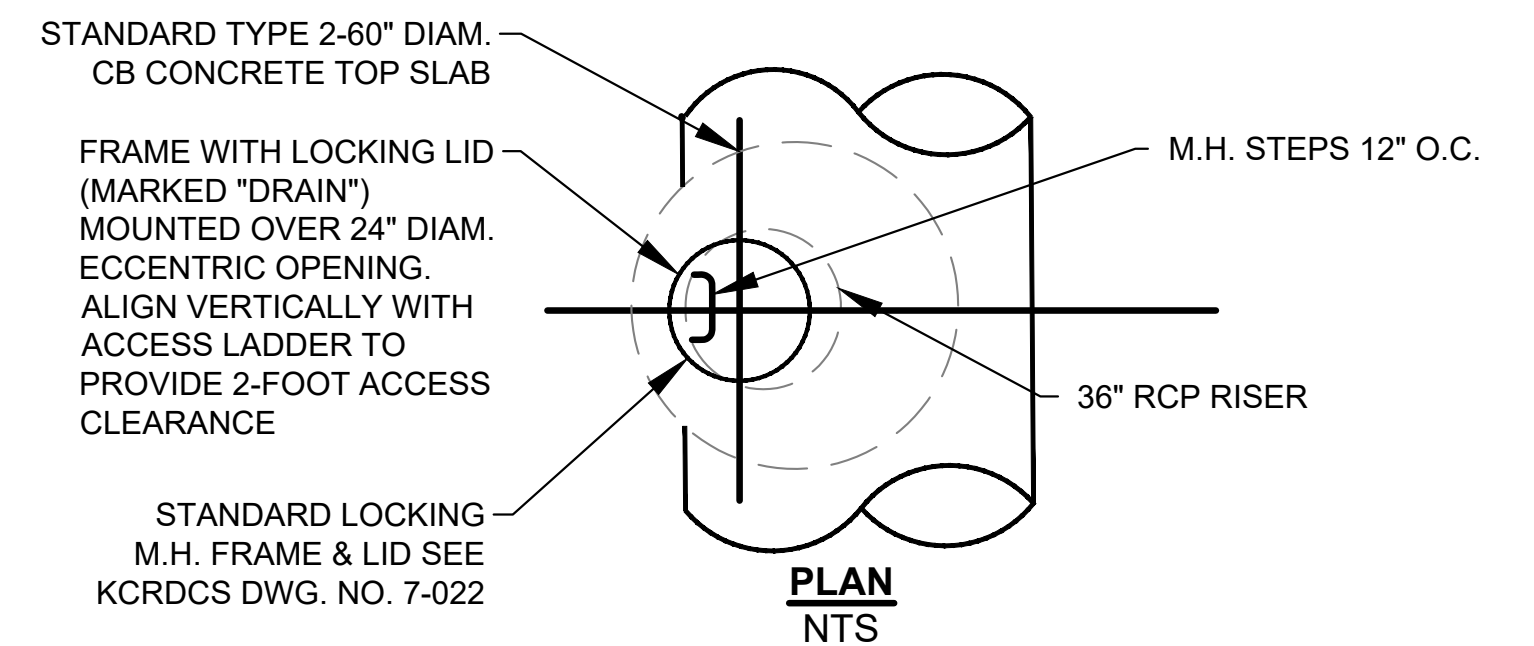
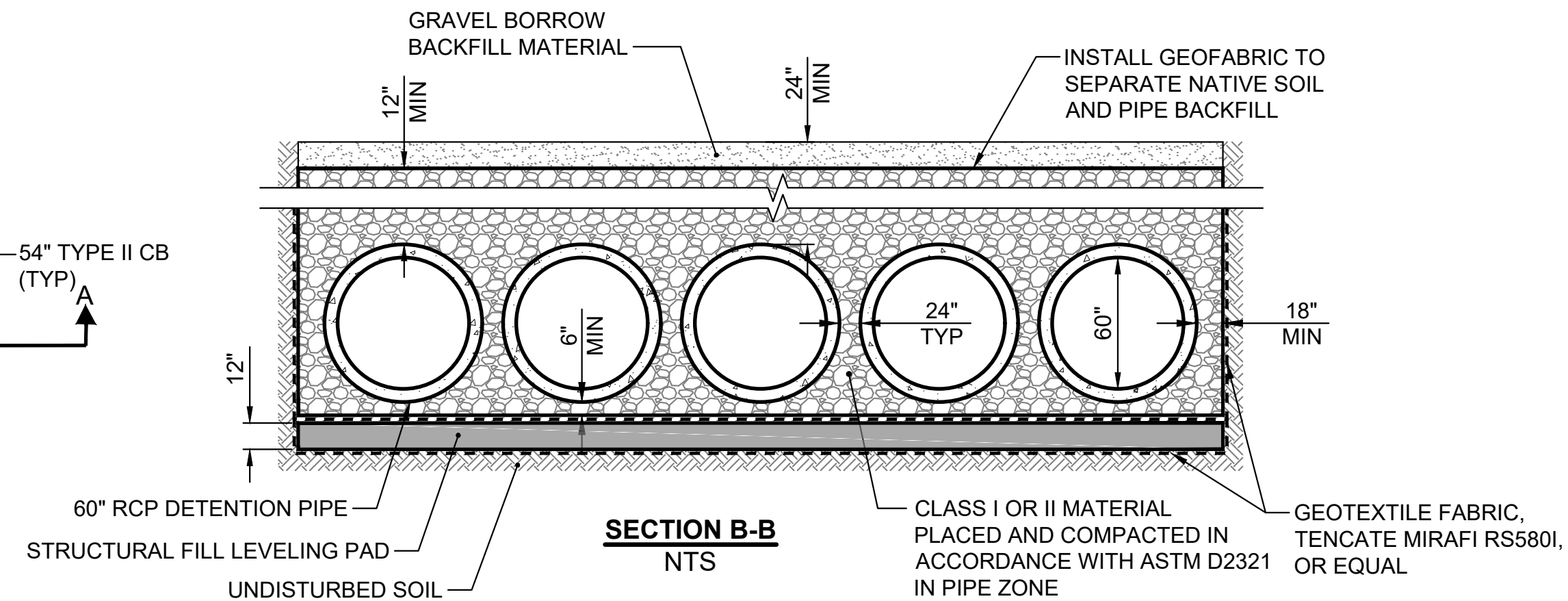
SKYWAY PARK IMPROVEMENTS		SHEET
SKYWAY PARK 7121 S. 120TH PLACE SEATTLE, WA 98178		27
DRAINAGE DETAILS		OF
		37
		SHEETS
		DP02

FOR CONSTRUCTION

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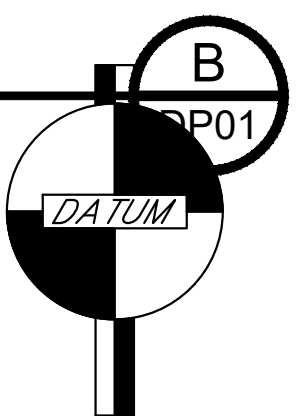


"FLOW-THROUGH" SYSTEM SHOWN SOLID. DESIGNS FOR "FLOW BACKUP" SYSTEM AND PARALLEL TANKS SHOWN DASHED



- NOTES:**
1. USE ADJUSTING BLOCKS AS REQUIRED TO BRING FRAME TO GUIDE.
 2. MUST BE LOCATED FOR ACCESS BY MAINTENANCE VEHICLES.
 3. MAY SUBSTITUTE WSDOT SPECIAL TYPE IV MANHOLE (RCP ONLY).

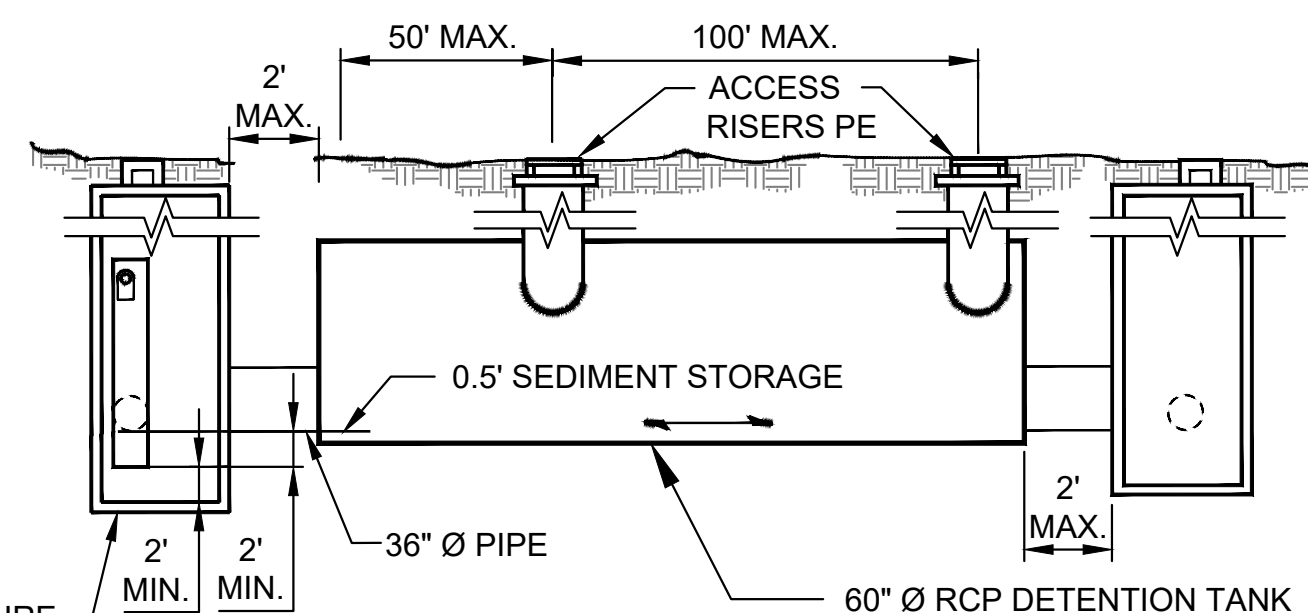
DETENTION PIPE ACCESS RISER
NTS



NAD 83/91
NAVD 88



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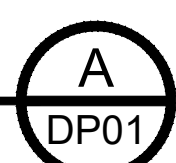
SECTION A-A
NTS

"FLOW-THROUGH" SYSTEM SHOWN SOLID.

- NOTES:**
- ALL METAL PARTS CORROSION RESISTANT. STEEL PARTS STAINLESS STEEL OR ALUMINIZED STEEL, EXCEPT TANK SHALL BE CORRUGATED ALUMINUM OR ALUMINIZED STEEL PIPE, OR OTHER MATERIAL AS APPROVED BY THE OWNER AND IN COMPLIANCE WITH 2016 KCSWDM.

VAULT ELEVATION TABLE		
	ELEVATION	DISTANCE FROM FG (FT)
FINISHED GRADE = EG	327.00 (MIN)	-
TOP OF PIPE	323.96	3.04
TOP OF SEDIMENT STORAGE	318.89	8.11
INVERT	318.39	8.61

DETENTION PIPE SYSTEM
NTS



SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA	
ISSUED	-	09/30/2021				STRUCT. ENG.	NA	
APPROVED	R. LEIMKUHLER	09/30/2021				CIVIL ENG.	KPFF	
REVIEWED	R. LEIMKUHLER	09/30/2021				LAND. ARCH.	NA	
DRAWN	J. ONG	09/30/2021						



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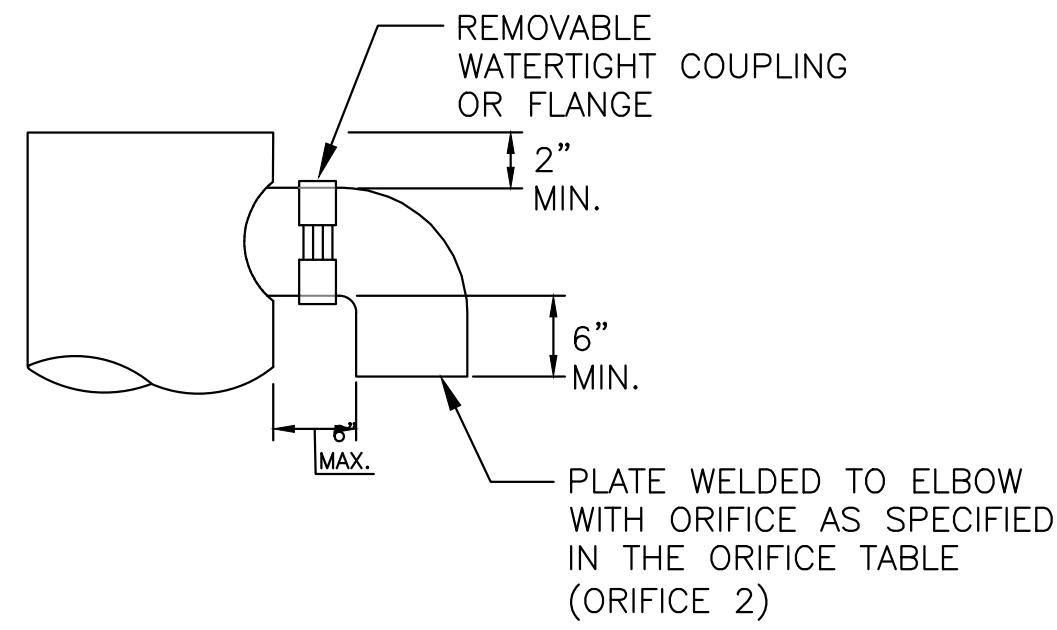
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SHEET
28
OF
37
SHEETS
DP03

DRAINAGE DETAILS

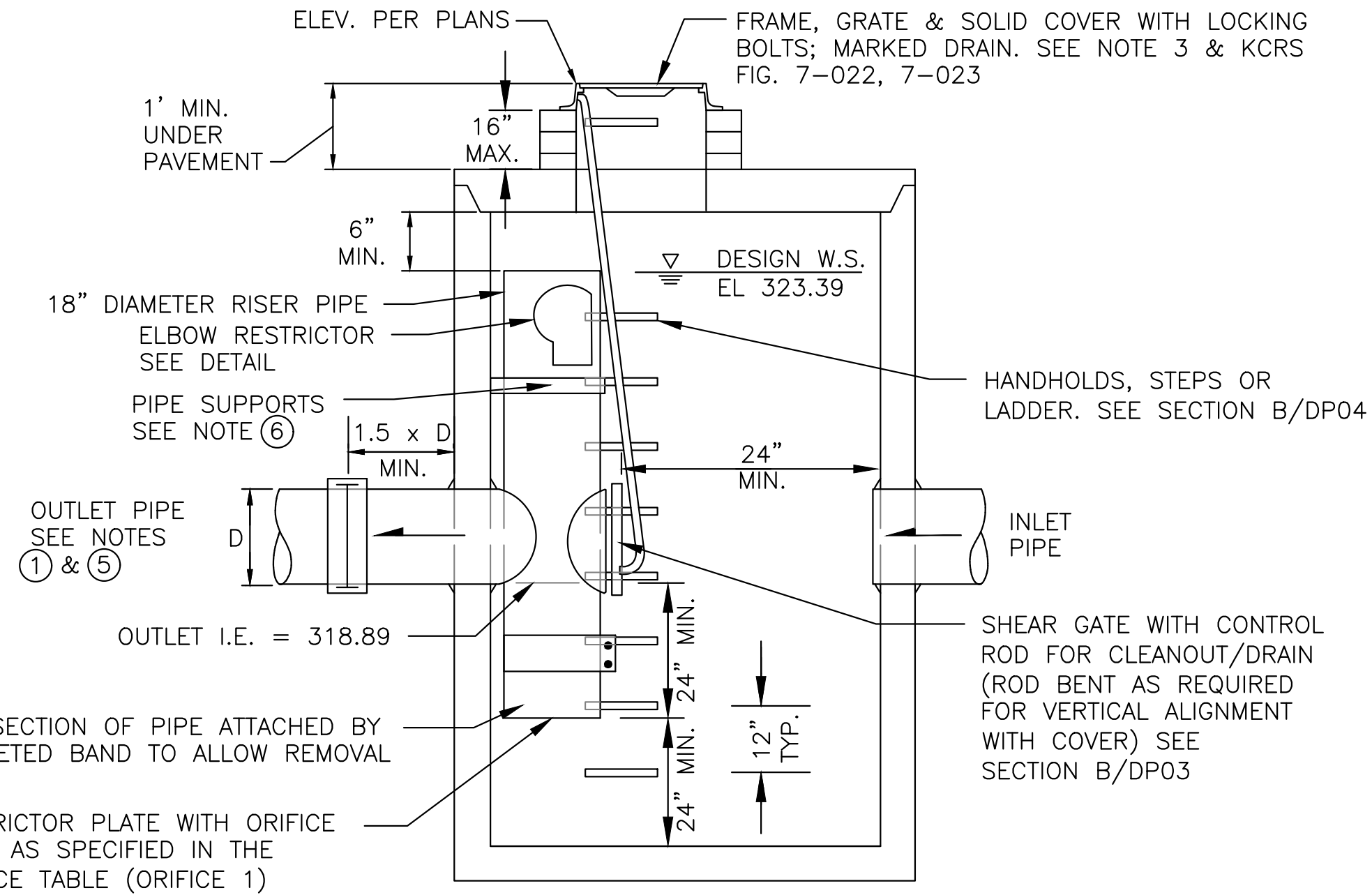
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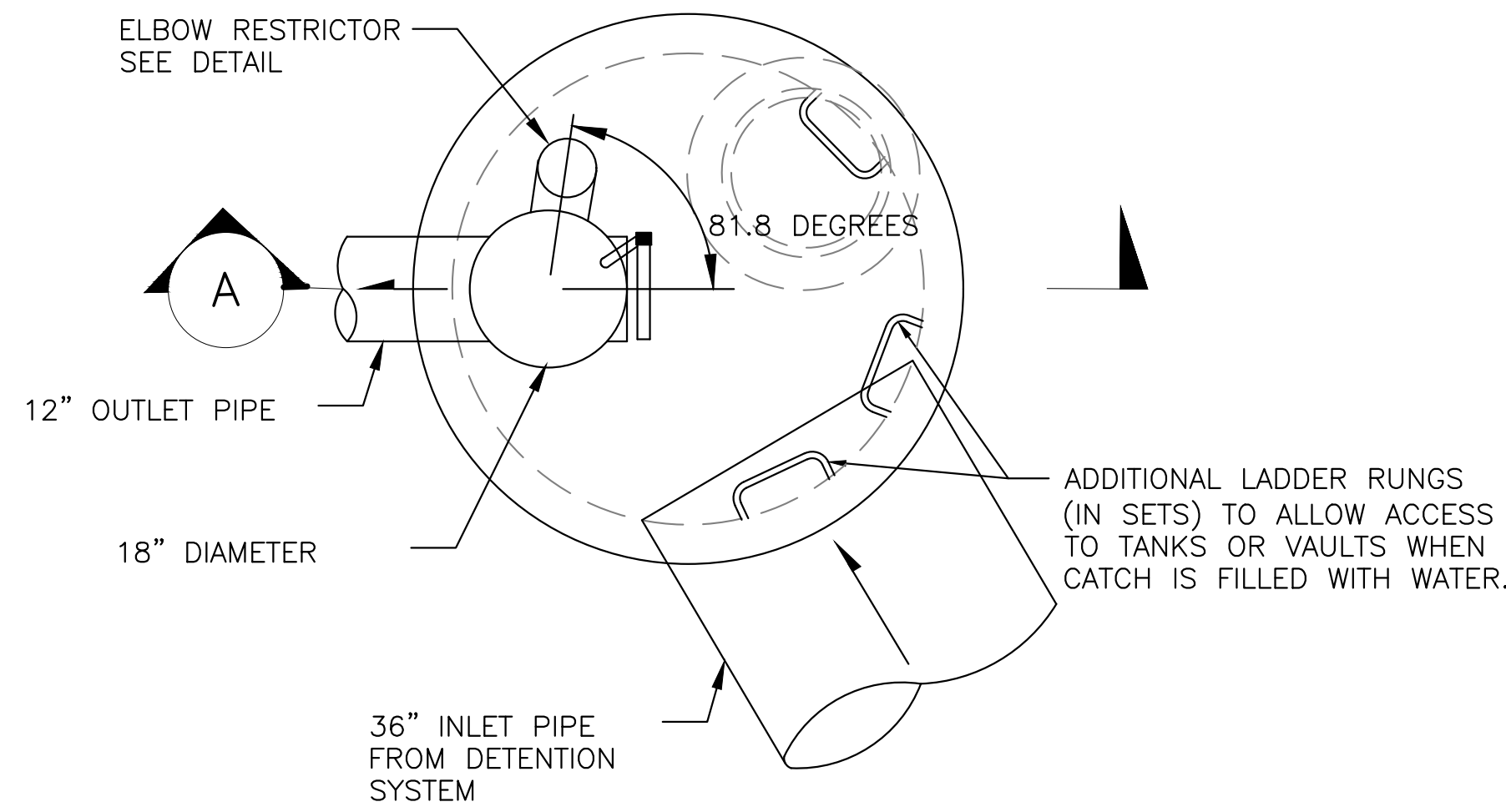


ELBOW RESTRICTOR DETAIL

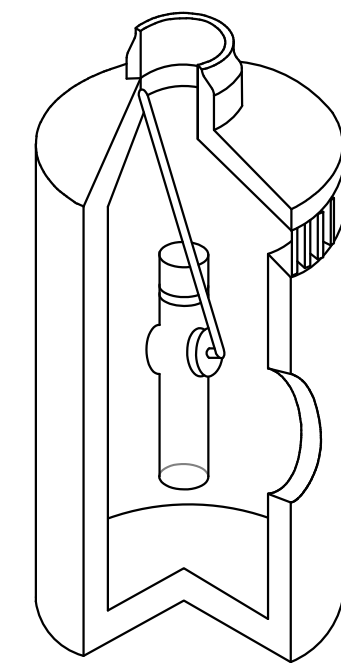
ORIFICE TABLE		
	ELEV. (FROM OUTLET)	DIAMETER (IN)
ORIFICE 1	316.89 (-2.0)	0.32
ORIFICE 2	322.39 (3.5)	0.55



SECTION A



PLAN VIEW

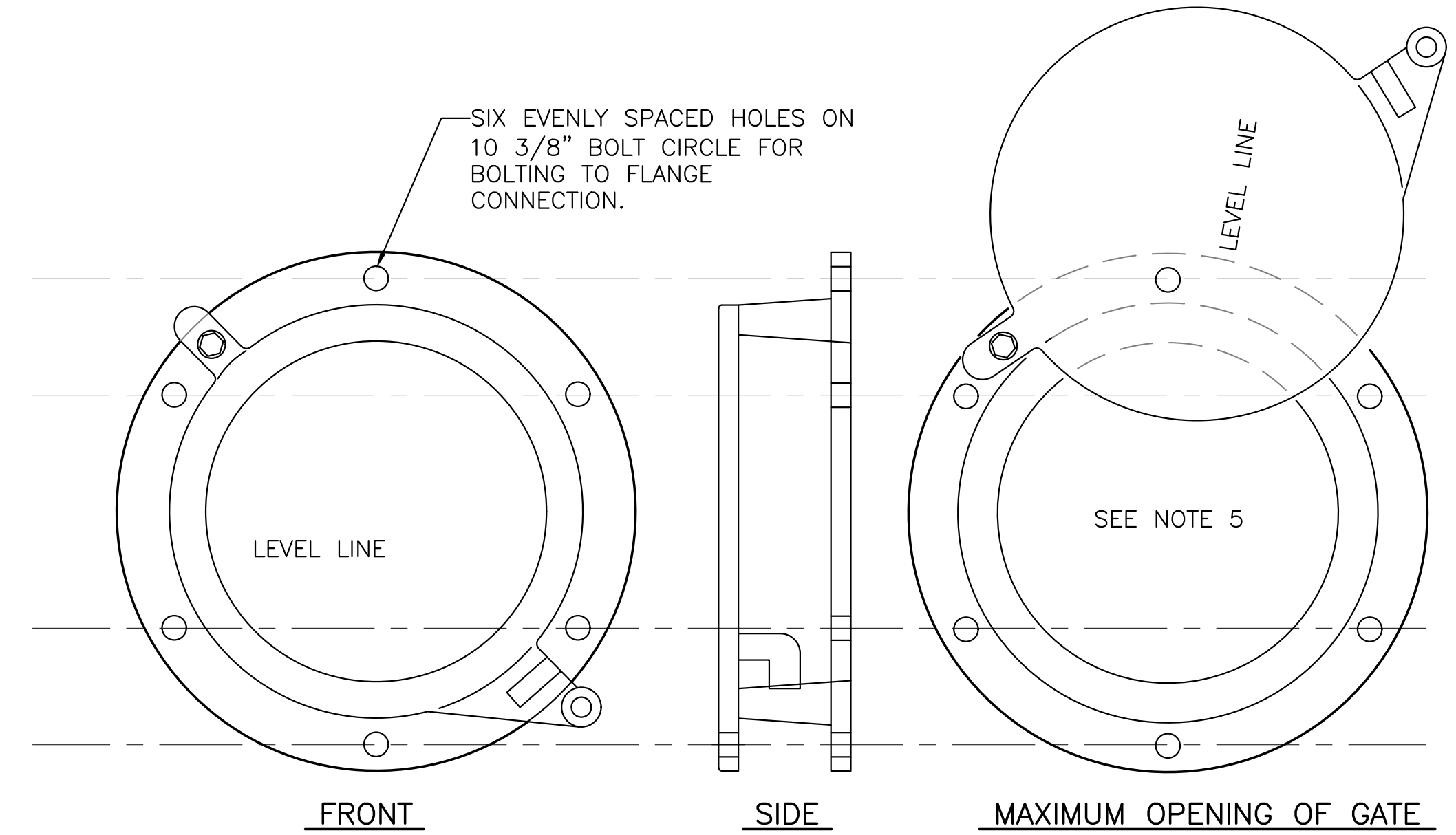
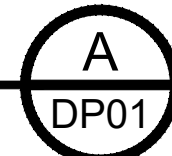


ISOMETRIC

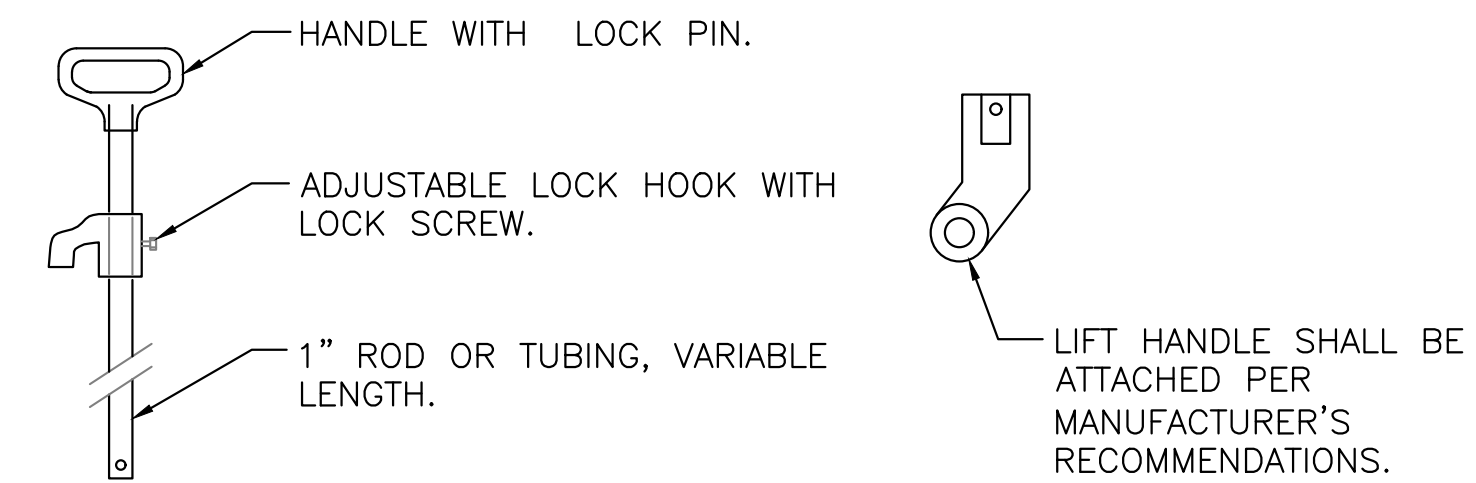
NOTES:

- ① USE A MINIMUM 54 IN. DIAM. TYPE 2 CATCH BASIN.
- ② OUTLET CAPACITY: 100-YEAR DEVELOPED PEAK FLOW.
- 3. METAL PARTS: CORROSION RESISTANT. NON-GALVANIZED PARTS PREFERRED. GALVANIZED PIPE PARTS TO HAVE ASPHALT TREATMENT 1.
- 4. FRAME AND LADDER OR STEPS OFFSET SO:
A. CLEANOUT GATE IS VISIBLE FROM TOP;
B. CLIMB-DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE;
- ⑤ IF METAL OUTLET CONNECTS TO CEMENT CONCRETE PIPE, OUTLET PIPE TO HAVE SMOOTH O.D. EQUAL TO CONCRETE PIPE I.D. LESS 1/4 IN.
- ⑥ PROVIDE AT LEAST ONE 3 X 0.090 GAUGE SUPPORT BRACKET ANCHORED TO CONCRETE WALL WITH 5/8 IN. STAINLESS STEEL EXPANSION BOLTS OR EMBEDDED SUPPORTS 2 IN. INTO M/H WALL (VERTICAL SPACING).
- ⑦ LOCATE ELBOW RESTRICTOR(S) AS NECESSARY TO PROVIDE MIN. CLEARANCE AS SHOWN.
- 8. LOCATE ADDITIONAL LADDER RUNGS IN STRUCTURES USED AS ACCESS TO TANKS OR VAULTS TO ALLOW ACCESS WHEN CATCH BASIN IS FILLED WITH WATER.
- 9. SEE THE WSDOT/APWA STANDARD SPECIFICATIONS SECTION 9-05.15 FOR METAL CASTINGS REQUIREMENTS.

FLOW RESTRICTOR DETAIL
NTS



FRONT SIDE MAXIMUM OPENING OF GATE

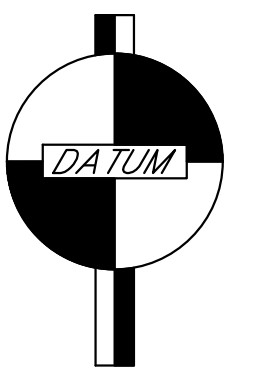
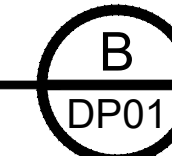


LIFT HANDLE

NOTES:

- 1. SHEAR GATE SHALL BE ALUMINUM ALLOY PER ASTM B-26-ZG-32a OR CAST IRON ASTM A48 CLASS 30B AS REQUIRED.
- 2. GATE SHALL BE 8 IN. DIAM. UNLESS OTHERWISE SPECIFIED.
- 3. GATE SHALL BE JOINED TO TEE SECTION BY BOLTING (THROUGH FLANGE), WELDING, OR OTHER SECURE MEANS.
- 4. LIFT ROD: AS SPECIFIED BY MFR. WITH HANDLE EXTENDING TO WITHIN ONE FOOT OF COVER AND ADJUSTABLE HOOK LOCK FASTENED TO FRAME OR UPPER HANDHOLD.
- 5. GATE SHALL NOT OPEN BEYOND THE CLEAR OPENING BY LIMITED HINGE MOVEMENT, STOP TAB, OR SOME OTHER DEVICE.
- 6. NEOPRENE RUBBER GASKET REQUIRED BETWEEN RISER MOUNTING FLANGE AND GATE FLANGE.
- 7. MATING SURFACES OF LID AND BODY TO BE MACHINED FOR PROPER FIT.
- 8. FLANGE MOUNTING BOLTS SHALL BE 3/8 IN. DIAM. STAINLESS STEEL.
- 9. ALTERNATE CLEANOUT/SHEAR GATES TO THE DESIGN SHOWN ARE ACCEPTABLE, PROVIDED THEY MEET THE MATERIAL SPECIFICATIONS ABOVE AND HAVE A SIX BOLT, 10 3/8 IN. BOLT CIRCLE FOR BOLTING TO THE FLANGE CONNECTION.
- 10. SEE THE WSDOT/APWA STANDARD SPECIFICATIONS SECTION 9-05.15 FOR METAL CASTINGS REQUIREMENTS.

SHEAR GATE DETAIL
NTS



NAD 83/91
NAVD 88



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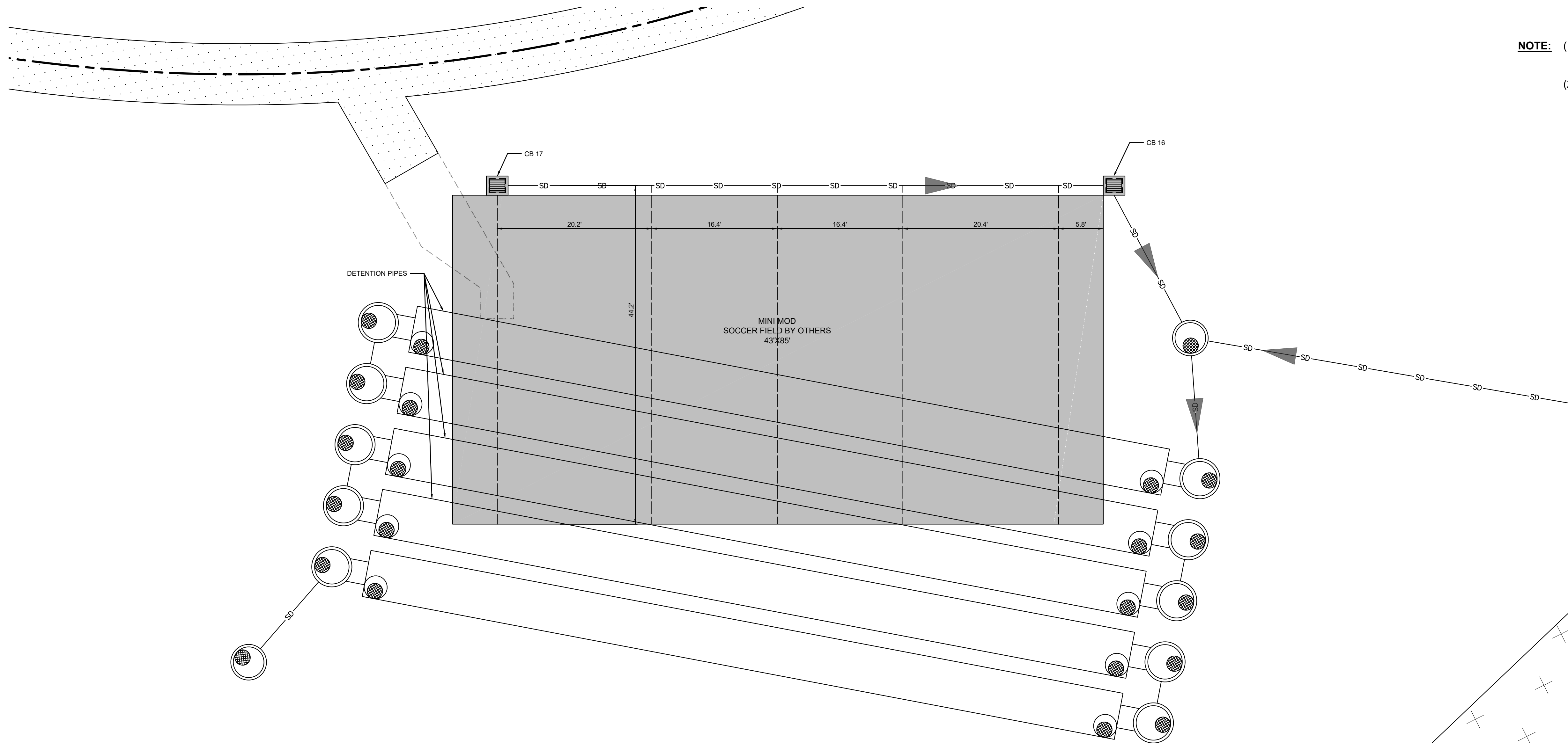
DRAINAGE DETAILS

SHEET
29
OF
37
SHEETS

DP04

FOR CONSTRUCTION

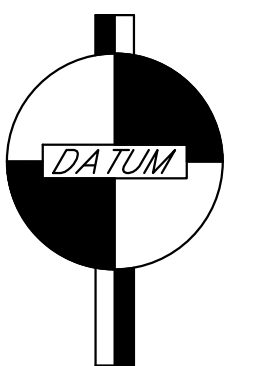
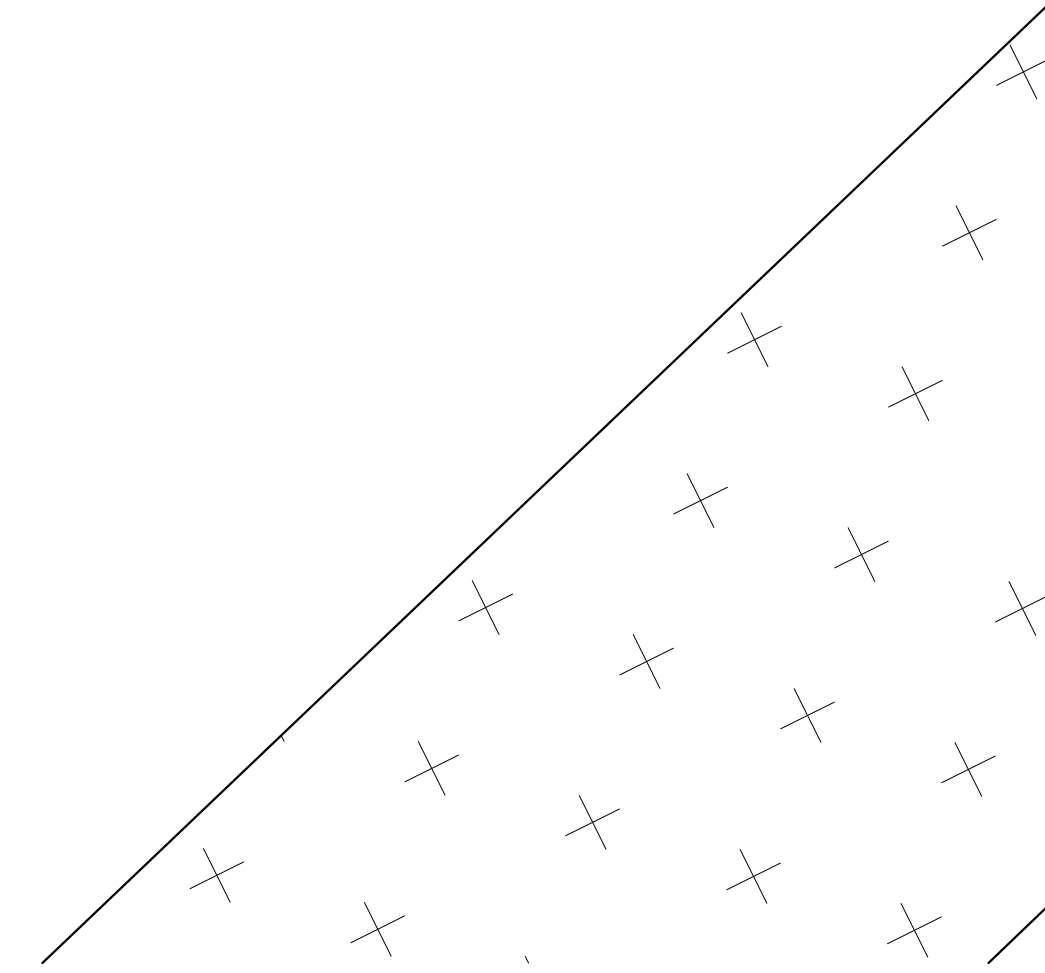
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- NOTE:** (1) UNDERDRAINS SHALL BE CONNECTED TO 12" PIPE USING 12" X 6" TEES.
 (2) UNDERDRAINS ARE LOCATED TO AVOID FUTURE MINI MOD FIELD FOUNDATION POSTS.

MINI MOD FIELD UNDERDRAIN DETAIL
 PLAN
 0 5' 10'
 2.5' A
 1" = 5'
 11 X 17 - 1" = 10'

LEGEND
 —SD— PROPOSED STORM
 - - - - - PROPOSED UNDERDRAIN



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 NAVD 88



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DRAINAGE DETAILS

SHEET
30
 OF
37
 SHEETS
DP05

FOR CONSTRUCTION

MITIGATION PLANTING - PLANT LIST, QUANTITIES, AND SPACING

COMMON NAME	LATIN NAME	APPROX QUANTITY**	SPACING
Nootka rose (FAC)	Rosa Nutkana	5	6 foot on center
Salmonberry (FAC)	Rubus Spectabilis	5	6 foot on center
Twinberry (FAC)	Lonicera Involucrata	5	6 foot on center
Pacific Ninebark (FACW)	Physocarpus Capitatus	5	6 foot on center
False Solomon's Seal (FAC)	Maianthemum Dilatatum	20	infill between shrubs
Palmate Coltsfoot (FACW)	Petasites Frigidus	20	infill between shrubs
Total Plants		60	

THE CONTAINER SIZE FOR EACH PLANT IS ONE GALLON. **A**

NOTES

PERFORMANCE STANDARDS

SURVIVAL
 YEAR 1: 100% SURVIVAL OF WOODY SHRUB SPECIES.
 YEAR 2: AND 3 80% SURVIVAL OF WOODY SHRUB SPECIES.

COVERAGE
 YEAR 2: 30% COVERAGE OF WOODY SHRUB SPECIES IN PLANTED AREAS.
 YEAR 3: 60% COVERAGE OF WOOD SHRUB SPECIES PLANTED AREAS.
 ALL YEARS: NO MORE THAN 10% COVERAGE OF INVASIVE SPECIES IN ANY YEAR.

INVASIVE VEGETATION

NON-NATIVE, INVASIVE SPECIES WILL NOT EXCEED 10 PERCENT. NON-NATIVE, INVASIVE SPECIES MAY INCLUDE, BUT ARE NOT LIMITED TO: HIMALAYAN BLACKBERRY (RUBUS ARMENIACUS), CUTLEAF BLACKBERRY (RUBUS LACINATUS), SCOTCH BROOM (CYTISUS SCOPARIUS), CANADA THISTLE (CIRSIMUM ARVENSE), BULL THISTLE (CIRSIMUM VULGARE), REED CANARYGRASS (PHALARIS ARUNDINACEA), JAPANESE KNOTWEED (POLYGONUM CUSPIDATUM). THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THIS PERFORMANCE STANDARD IS MET DURING YEAR 1 AND KING COUNTY IS RESPONSIBLE FOR ENSURING THIS PERFORMANCE STANDARD IS MET FOR YEARS 2-5.

PERFORMANCE STANDARD: KING COUNTY HAS ZERO TOLERANCE FOR REGULATED CLASS A, B, AND C NOXIOUS WEEDS AS DEFINED BY THE KING COUNTY NOXIOUS WEED CONTROL BOARD. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THIS PERFORMANCE STANDARD IS MET DURING YEAR 1 AND KING COUNTY IS RESPONSIBLE FOR ENSURING THIS PERFORMANCE STANDARD IS MET FOR YEARS 2-5.

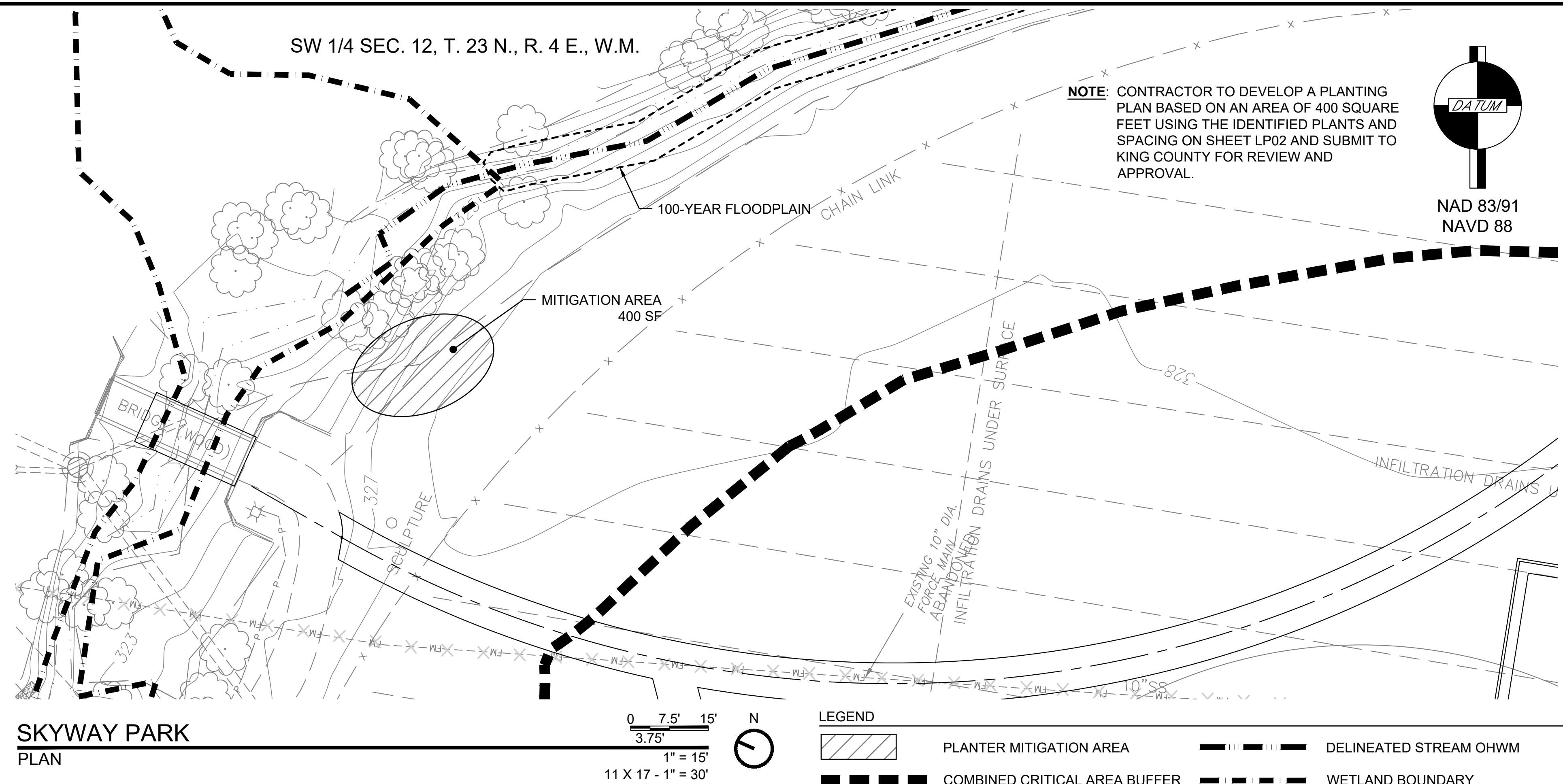
MONITORING AND REPORTING

THE MITIGATION AREA WILL BE MONITORED DURING AND AFTER CONSTRUCTION. DURING CONSTRUCTION, THE SITE WILL BE MONITORED TO ENSURE THAT BEST MANAGEMENT PRACTICES (BMPs) ARE OBSERVED AND THE SITE IS CONSTRUCTED AS DESIGNED. AFTER CONSTRUCTION, AN AS-BUILT MITIGATION REPORT WILL BE PREPARED. KING COUNTY WILL MAINTAIN THE PLANTINGS TO ENSURE PERFORMANCE STANDARDS ARE MET AND WILL PROVIDE AN ANNUAL MONITORING REPORT WITH THE STATUS OF THE MITIGATION FOR THREE YEARS OR UNTIL PERFORMANCE, STANDARDS ARE MET. ANNUAL MONITORING REPORTS WILL BE SUBMITTED TO THE PERMITTING AGENCY BY FEBRUARY 15TH OF THE FOLLOWING YEAR.

MAINTENANCE

KING COUNTY WILL MAKE PROVISIONS FOR WATERING AS NEEDED FOR THE REMAINDER OF THE ESTABLISHMENT PERIOD AFTER THE FIRST YEAR.

 REMOVAL OF TRASH OR OTHER ANTHROPOGENIC DEBRIS WILL BE REMOVED DURING MAINTENANCE ACTIVITIES. QUALITATIVE MONITORING WILL BE CONDUCTED YEARLY TO ASSESS THE STATUS OF THE MITIGATION AREA FOR HUM



SKYWAY PARK PLAN

NOTES (CONT'D)

MAINTENANCE (CONT'D)

NON-NATIVE, INVASIVE SPECIES WILL BE REMOVED BY MANUAL METHODS. MANUAL REMOVAL OF INVASIVE SPECIES CAN BE DONE BY CLEARING AND GRUBBING PLANTS AND THEIR ENTIRE ROOT SYSTEMS. USE OF HERBICIDE IS ALLOWED UNDER SPECIAL CIRCUMSTANCES AND WILL ONLY BE USED WHEN MANUAL METHODS PROVE UNSUCCESSFUL. ONLY WASHINGTON STATE DEPARTMENT OF AGRICULTURE LICENSED PESTICIDE APPLICATORS WITH AN AQUATIC ENDORSEMENT, OR PERSONS WORKING UNDER THE DIRECT SUPERVISION OF SUCH AN APPLICATOR, CAN USE AQUATIC PESTICIDE FORMULATIONS. DISPOSE OF INVASIVE SPECIES OFF SITE IMMEDIATELY. AT NO TIME DURING THE MONITORING PERIOD WILL INVASIVE SPECIES EXCEED 10 PERCENT AERIAL COVERAGE.

CONTINGENCY MEASURES

HIGH MORTALITY COULD RESULT FROM IMPROPER INSTALLATION, DISEASED OR INFESTED PLANTS, INADEQUATE WATERING, OR EXTREME WEATHER. IF MORE THAN 25 PERCENT OF NEW PLANTINGS DIE IN A SINGLE YEAR, THE CAUSE OF THE HIGH LOSSES WILL BE INVESTIGATED AND CORRECTED BEFORE DEAD PLANTS ARE REPLACED. DEAD PLANT MATERIAL WILL ONLY BE REMOVED AFTER THAT YEAR'S SCHEDULED MONITORING. HOWEVER, PLANT MORTALITY CAN ALSO OCCUR FROM PLANT COMPETITION WITH SURROUNDING NATIVE PLANTS. THEREFORE, IN ANY YEAR, IF THE PERCENT SURVIVAL PERFORMANCE STANDARD IS NOT MET, BUT THE PERCENT COVER OF NATIVE PLANTS PERFORMANCE STANDARD IS MET, THEN ADDITIONAL PLANTS MAY NOT HAVE TO BE INSTALLED.

HOWEVER, IN ANY GIVEN YEAR IF BOTH THE PERCENT SURVIVAL AND PERCENT COVER OF NATIVE PLANTS PERFORMANCE STANDARDS ARE NOT MET, THEN THE CONTINGENCY MEASURE WOULD INCLUDE INSTALLING ADDITIONAL PLANTS TO BRING THE PLANTING SCHEDULE BACK INTO ORIGINAL SPECIFICATIONS.

LEGEND

- PLANTER MITIGATION AREA
- DELINEATED STREAM OHWM
- COMBINED CRITICAL AREA BUFFER
- WETLAND BOUNDARY

NOTES (CONT'D)

CONTINGENCY MEASURES (CONT'D)

IF THE PERCENT COVER OF SUCCESS CRITERIA IS NOT MET, THE CAUSE WILL BE INVESTIGATED AND CORRECTED. CORRECTION MEASURES MAY INCLUDE INCREASED WATERING, SOIL AMENDMENTS, OR ADDITIONAL PLANTINGS.

MITIGATION PLANTING SEQUENCE

- A. EXACT PLANTING AREA TO BE FLAGGED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO STARTING
- B. PLACE AND ROTOTILL 3 INCHES OF COMPOST MATERIAL INTO THE TOP 5 INCHES OF SCARIFIED SOIL FOR A FINISHED DEPTH OF 12 INCHES OF UNCOMPACTED SOIL. RAKE AND REMOVE ROCKS LARGER THAN 2 INCHES IN DIAMETER. COMPOST THAT IS USED FOR SOIL AMENDMENT MUST MEET THE SPECIFICATIONS OF COMPOST AS DESCRIBED IN THE CURRENT KING COUNTY SURFACE WATER DESIGN MANUAL.
- C. CONTRACTOR TO LAYOUT PLANTS IN PLANTING AREA PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL BY ENGINEER
- D. AFTER PLANT INSTALLATION, PLACE 3" LAYER OF WOOD CHIP MULCH OVER THE ENTIRE SURFACE OF THIS PLANTING AREA. COMMERCIAL GRADE BARK IS NOT TO BE USED WITHIN MITIGATION AREAS. WOOD CHIP MULCH MUST MEET THE SPECIFICATIONS OF ARBORIST'S WOOD CHIP MULCH AS DESCRIBED IN THE CURRENT KING COUNTY SURFACE WATER DESIGN MANUAL.

ALTERNATE 6

811
 KNOW WHAT'S BELOW.
 CALL 2 BUSINESS DAYS
 BEFORE YOU DIG.
 (UTILITY LOCATIONS ARE APPROX.)

Name: W:\11800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\12_KCSP\LP-PLAN - LP01.dwg

SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	1129700	DATE	REV #	REVISION	BY	DATE	ARCH.	NA
ISSUED	-	09/30/2021					STRUCT. ENG.	NA
APPROVED	R. LEIMKUHLER	09/30/2021					CIVIL ENG.	KPFF
REVIEWED	R. LEIMKUHLER	09/30/2021					LAND. ARCH.	NA
DRAWN	J. ONG	09/30/2021	A	ADDENDUM #2	ML	11/10/2021		

King County
 Department of Natural Resources and Parks
 Parks and Recreation Division
 Capital Projects Section
 201 S. Jackson St., Suite 700, Seattle, WA 98104
 Christie True, Director

SKYWAY PARK IMPROVEMENTS
 SKYWAY PARK
 7121 S. 120TH PLACE
 SEATTLE, WA 98178

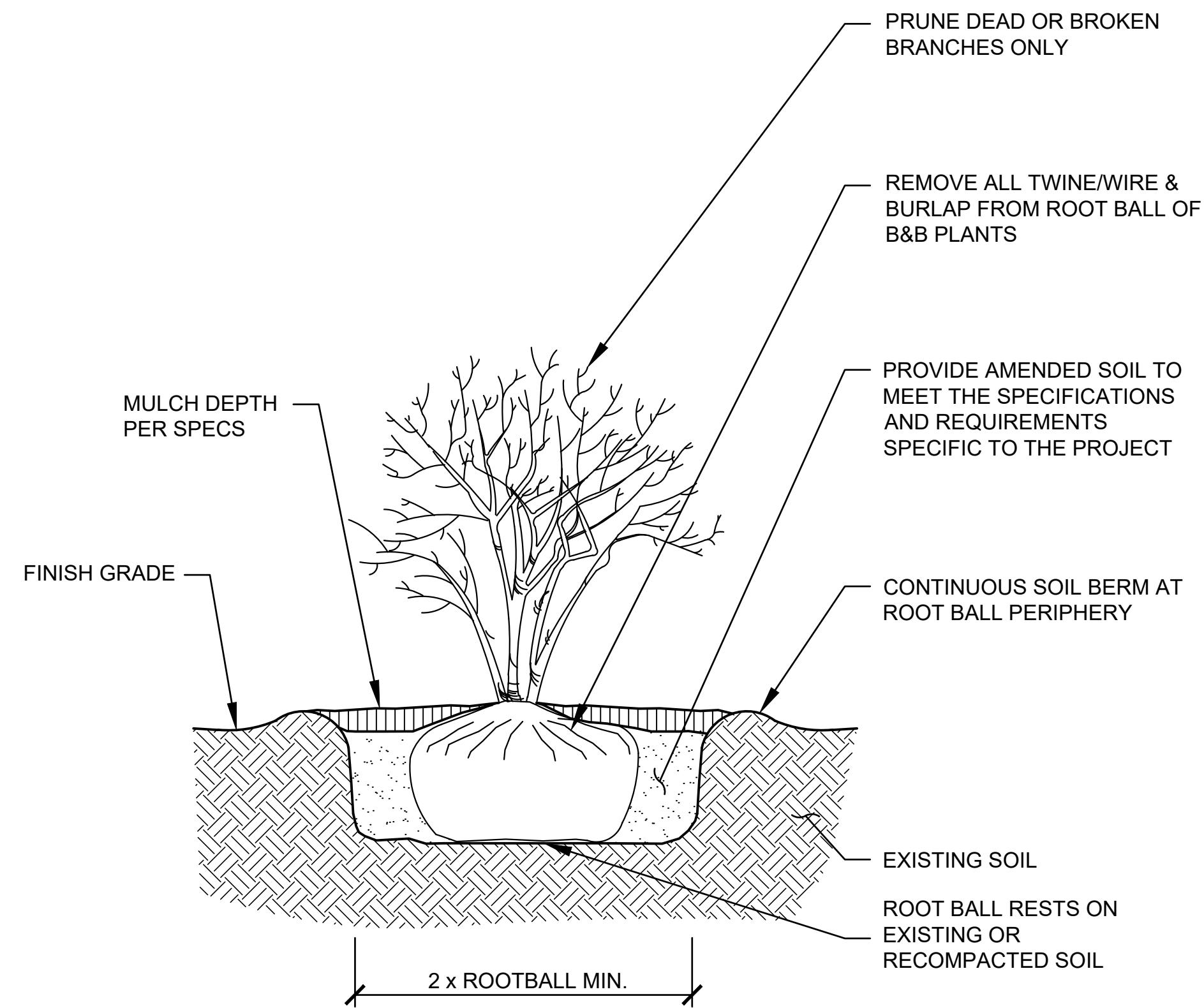
MITIGATION PLANTING PLAN

SHEET
31
 OF
37
 SHEETS

LP01

FOR CONSTRUCTION

Name: Willis Date: Sep 30, 2021 -04:03:35pm File: Z:\1800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\13_KCSP\LP-DTLS.dwg

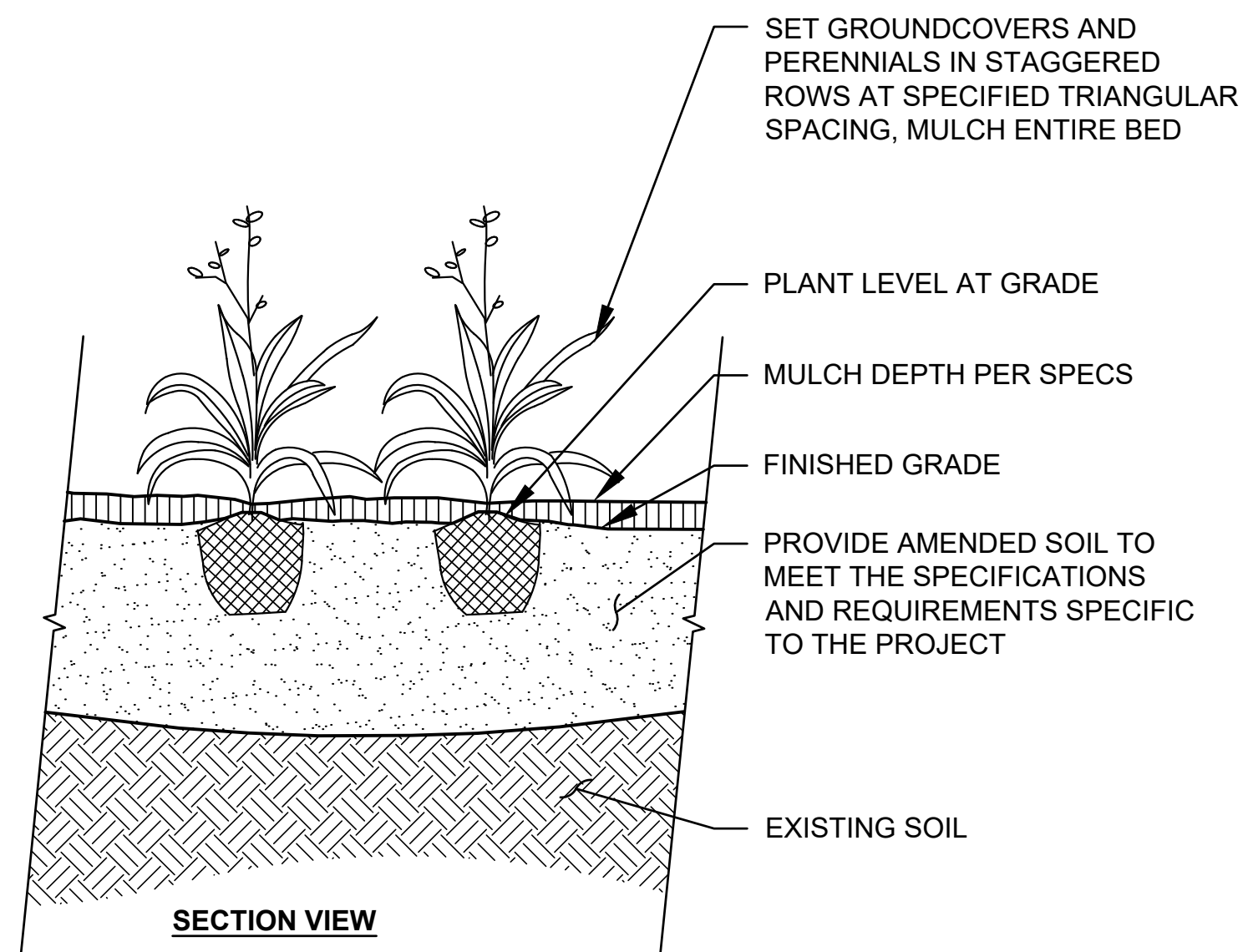
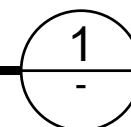


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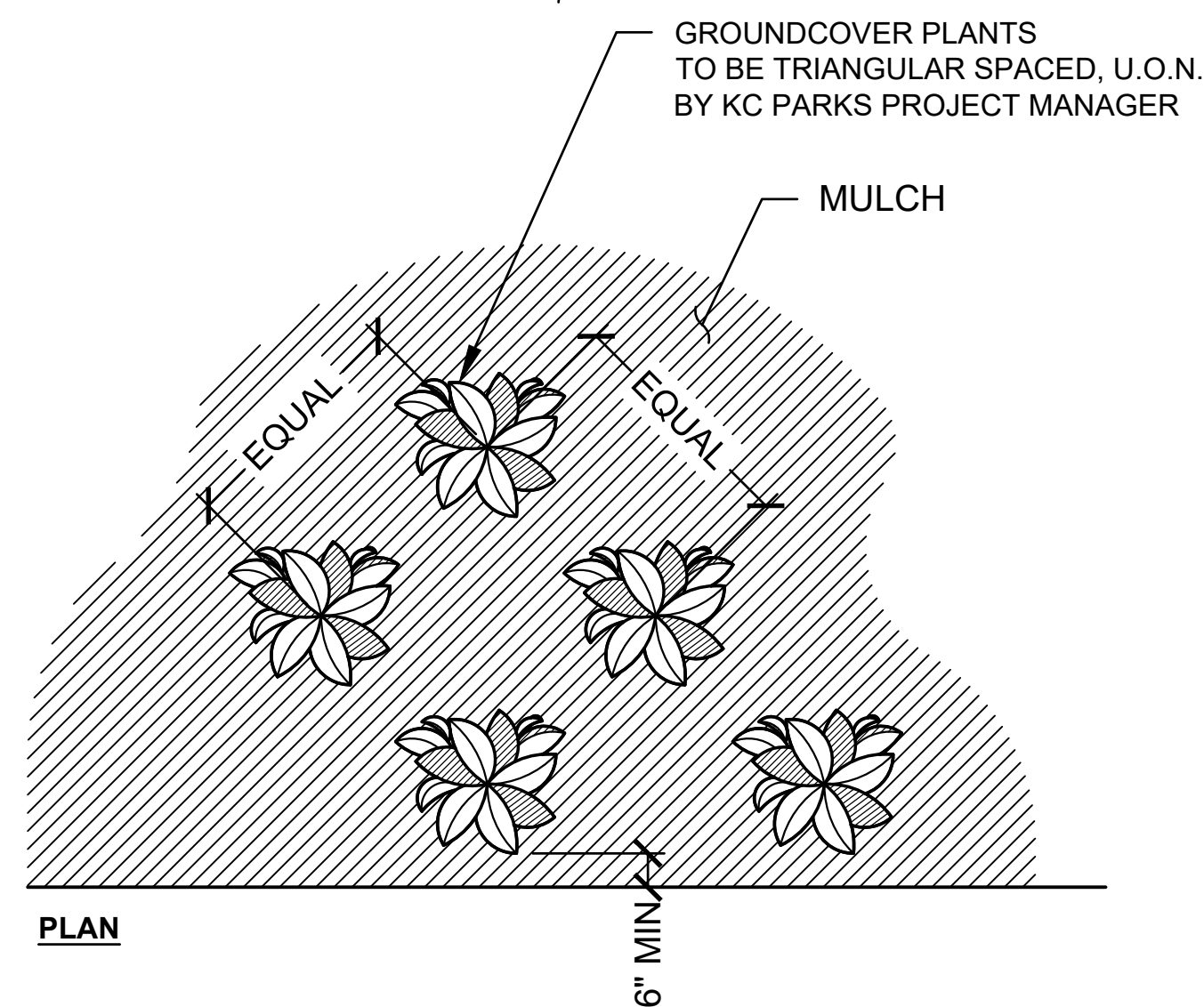
1. PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE ROOT BALL IN 6 INCH LIFTS TO BRACE SHRUB. DO NOT OVER COMPACT. WHEN THE PLANTING HOLE HAS BEEN BACKFILLED, POUR WATER AROUND THE ROOT BALL TO SETTLE THE SOIL.
2. SCARIFY SIDES OF ROOTBALL WITH KNIFE TO BREAK UP ROOTS; PRUNE ANY GIRDLING, KNOTTED OR MISSHAPEN ROOTS.
3. SET ROOT CROWN AT OR SLIGHTLY ABOVE SOIL.

SHURB PLANTING DETAIL

NTS



SECTION VIEW



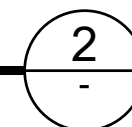
PLAN

NOTES:

1. SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE AND SPACING DIMENSION.
2. SETTLE SOIL AROUND EACH PLANT PRIOR TO MULCHING.

GROUNDCOVER PLANTING DETAIL

NTS



ALTERNATE 6

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SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM	
PROJECT #	DATE	REV #	REVISION	BY	DATE	ARCH.	NA	
ISSUED	-	09/30/2021				STRUCT. ENG.	NA	
APPROVED	R. LEIMKUHLE	09/30/2021				CIVIL ENG.	KPFF	
REVIEWED	R. LEIMKUHLE	09/30/2021				LAND. ARCH.	NA	
DRAWN	J. ONG	09/30/2021						

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 Christie True, Director

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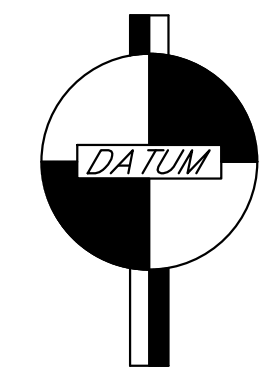
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 OF
37
 SHEETS

MITIGATION PLANTING DETAILS

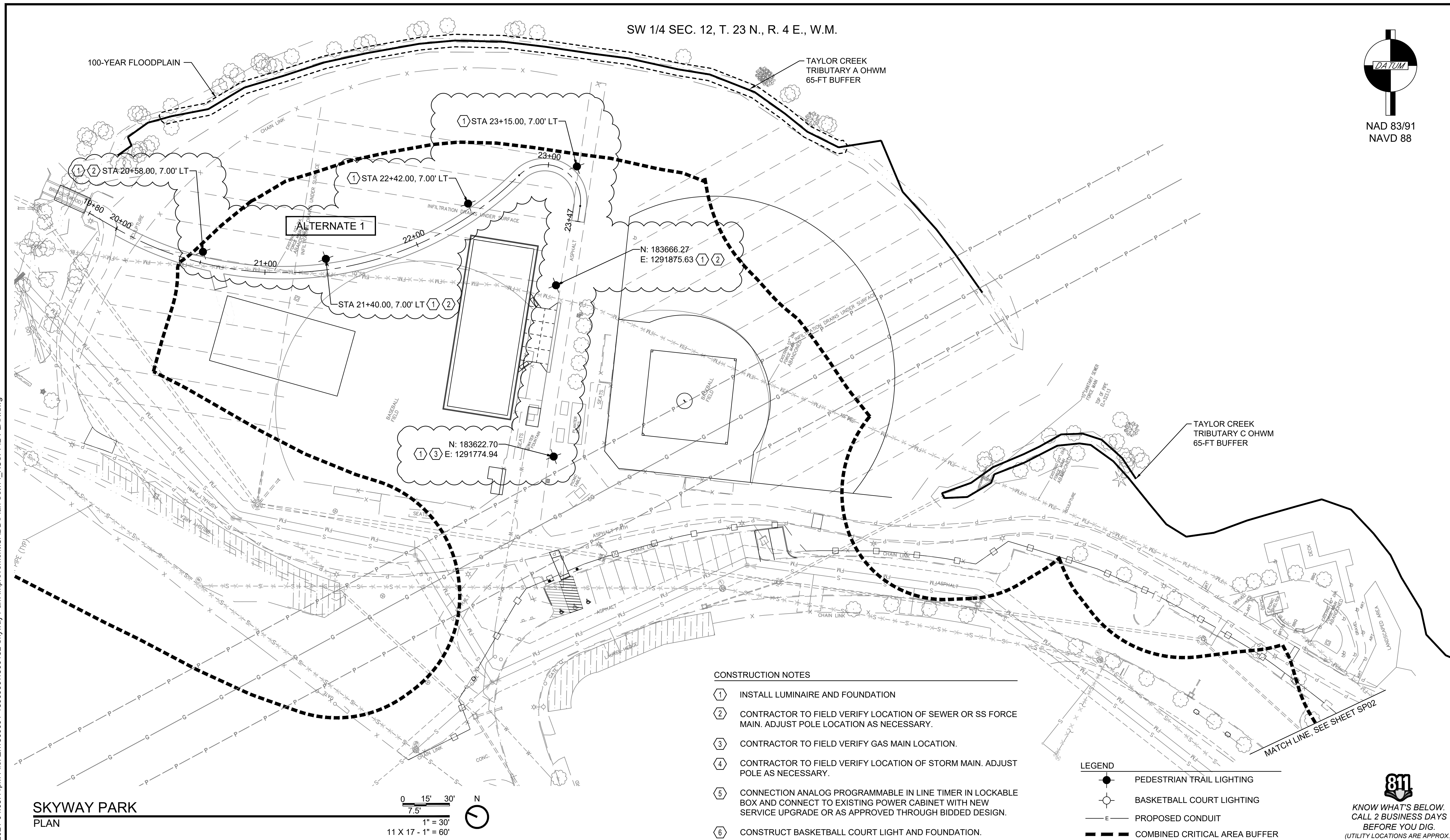
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FOR CONSTRUCTION

SW 1/4 SEC. 12, T. 23 N., R. 4 E., W.M.



NAD 83/91
NAVD 88



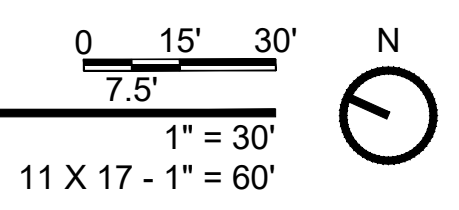
CONSTRUCTION NOTES

- ① INSTALL LUMINAIRE AND FOUNDATION
- ② CONTRACTOR TO FIELD VERIFY LOCATION OF SEWER OR SS FORCE MAIN. ADJUST POLE LOCATION AS NECESSARY.
- ③ CONTRACTOR TO FIELD VERIFY GAS MAIN LOCATION.
- ④ CONTRACTOR TO FIELD VERIFY LOCATION OF STORM MAIN. ADJUST POLE AS NECESSARY.
- ⑤ CONNECTION ANALOG PROGRAMMABLE IN LINE TIMER IN LOCKABLE BOX AND CONNECT TO EXISTING POWER CABINET WITH NEW SERVICE UPGRADE OR AS APPROVED THROUGH BIDDED DESIGN.
- ⑥ CONSTRUCT BASKETBALL COURT LIGHT AND FOUNDATION.

LEGEND

- PEDESTRIAN TRAIL LIGHTING
- BASKETBALL COURT LIGHTING
- PROPOSED CONDUIT
- COMBINED CRITICAL AREA BUFFER

**SKYWAY PARK
PLAN**

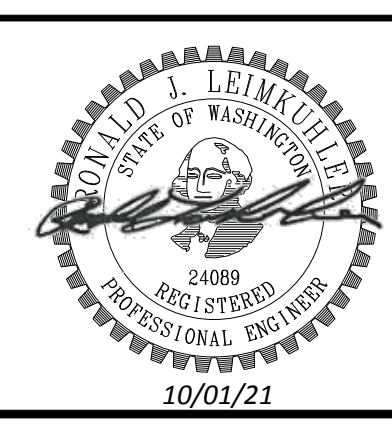


MATCH LINE, SEE SHEET SP02

811
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Name: WIIS Date: Sep 30, 2021 - 04:03:41pm File: Z:\18000001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\14_KCSP\IL-PLAN.dwg

SKYWAY PARK IMPROVEMENTS		PROJECT MANAGER: MARY LEAR			DESIGN TEAM	
PROJECT #	1129700	DATE	REV #	REVISION	BY	DATE
ISSUED	-	09/30/2021				
APPROVED	R. LEIMKUHLER	09/30/2021				
REVIEWED	R. LEIMKUHLER	09/30/2021				
DRAWN	J. ONG	09/30/2021				



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Christie True, Director

SKYWAY PARK IMPROVEMENTS
SKYWAY PARK
7121 S. 120TH PLACE
SEATTLE, WA 98178
ILLUMINATION PLAN

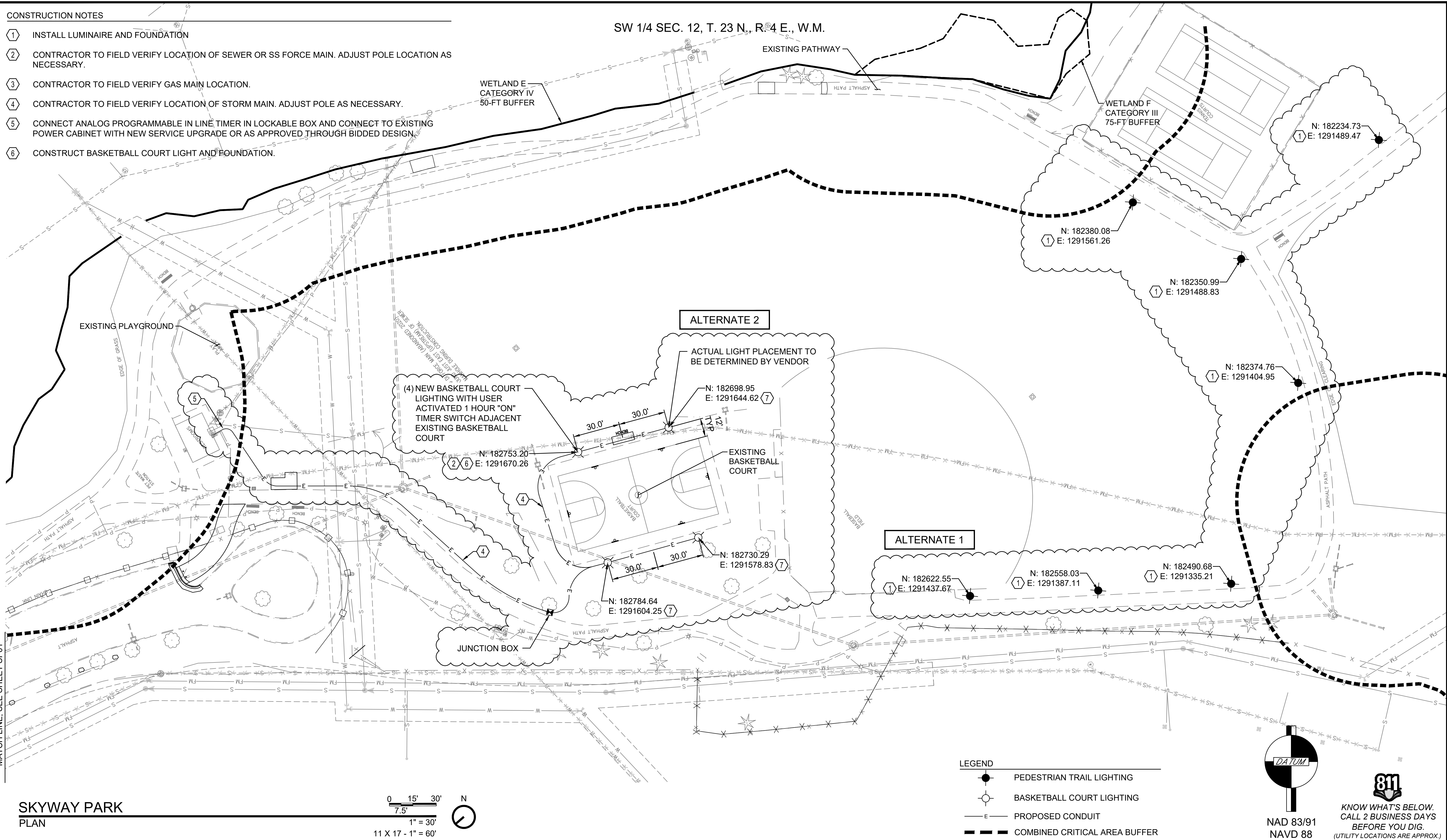
SHEET
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OF
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SHEETS
IL01

FOR CONSTRUCTION

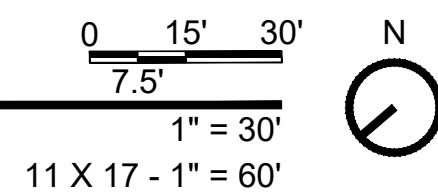
CONSTRUCTION NOTES

- ① INSTALL LUMINAIRE AND FOUNDATION
- ② CONTRACTOR TO FIELD VERIFY LOCATION OF SEWER OR SS FORCE MAIN. ADJUST POLE LOCATION AS NECESSARY.
- ③ CONTRACTOR TO FIELD VERIFY GAS MAIN LOCATION.
- ④ CONTRACTOR TO FIELD VERIFY LOCATION OF STORM MAIN. ADJUST POLE AS NECESSARY.
- ⑤ CONNECT ANALOG PROGRAMMABLE IN LINE TIMER IN LOCKABLE BOX AND CONNECT TO EXISTING POWER CABINET WITH NEW SERVICE UPGRADE OR AS APPROVED THROUGH BIDDED DESIGN.
- ⑥ CONSTRUCT BASKETBALL COURT LIGHT AND FOUNDATION.

SW 1/4 SEC. 12, T. 23 N., R. 4 E., W.M.



SKYWAY PARK
PLAN



Name: WIIS Date: Sep 30, 2021 -04:03:42pm File: Z:\1800001-1800999\1800182 Skyway Park Improvement\CADD\Plan Set\14_KCSP\IL-PLAN.dwg

SKYWAY PARK IMPROVEMENTS	
PROJECT #	1129700
ISSUED	-
APPROVED	R. LEIMKUHLER
REVIEWED	R. LEIMKUHLER
DRAWN	J. ONG

PROJECT MANAGER: MARY LEAR			
REV #	REVISION	BY	DATE

DESIGN TEAM	
ARCH.	NA
STRUCT. ENG.	NA
CIVIL ENG.	KPFF
LAND. ARCH.	NA



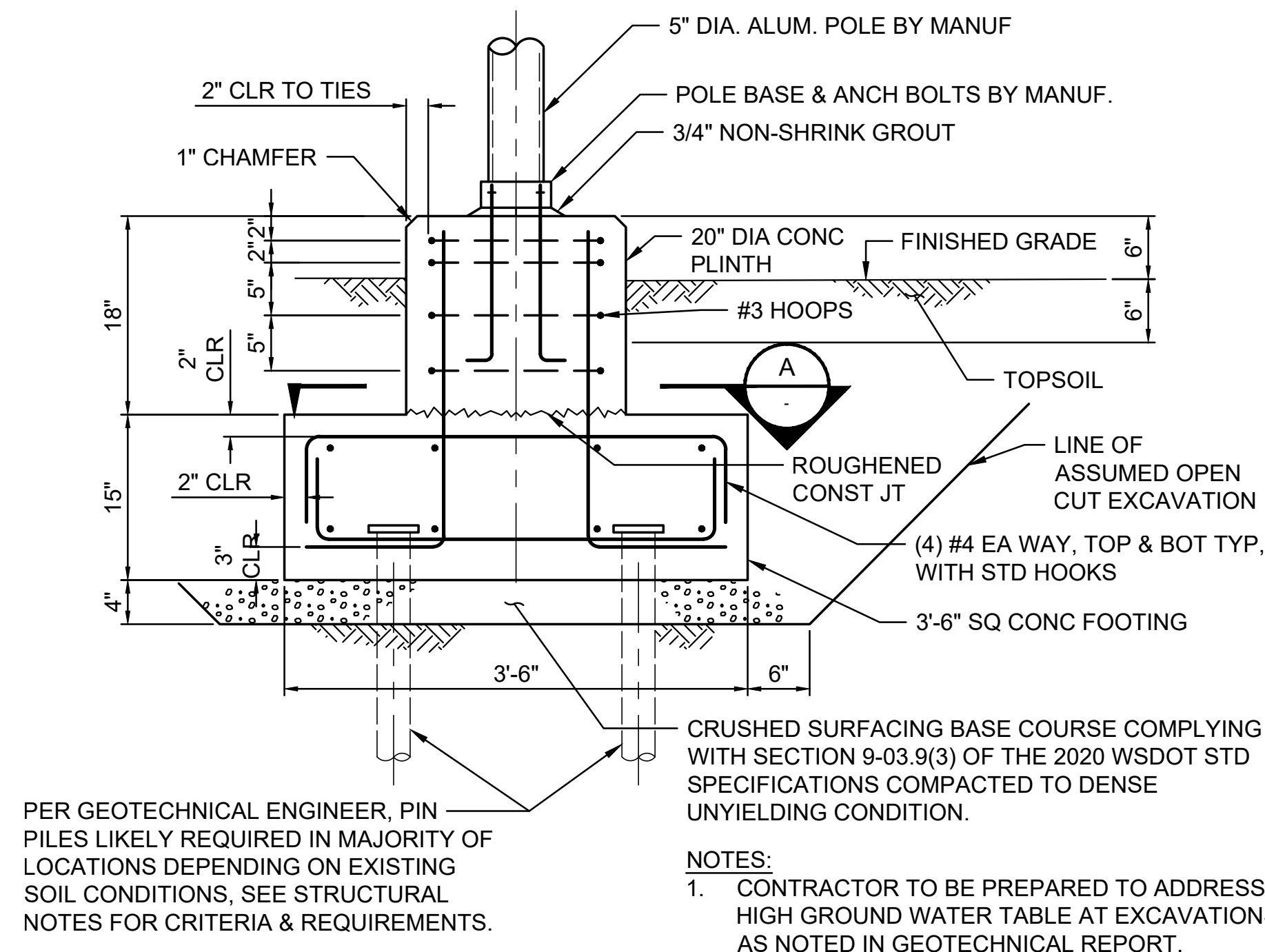
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SKYWAY PARK IMPROVEMENTS	
SKYWAY PARK 7121 S. 120TH PLACE SEATTLE, WA 98178	
ILLUMINATION PLAN	

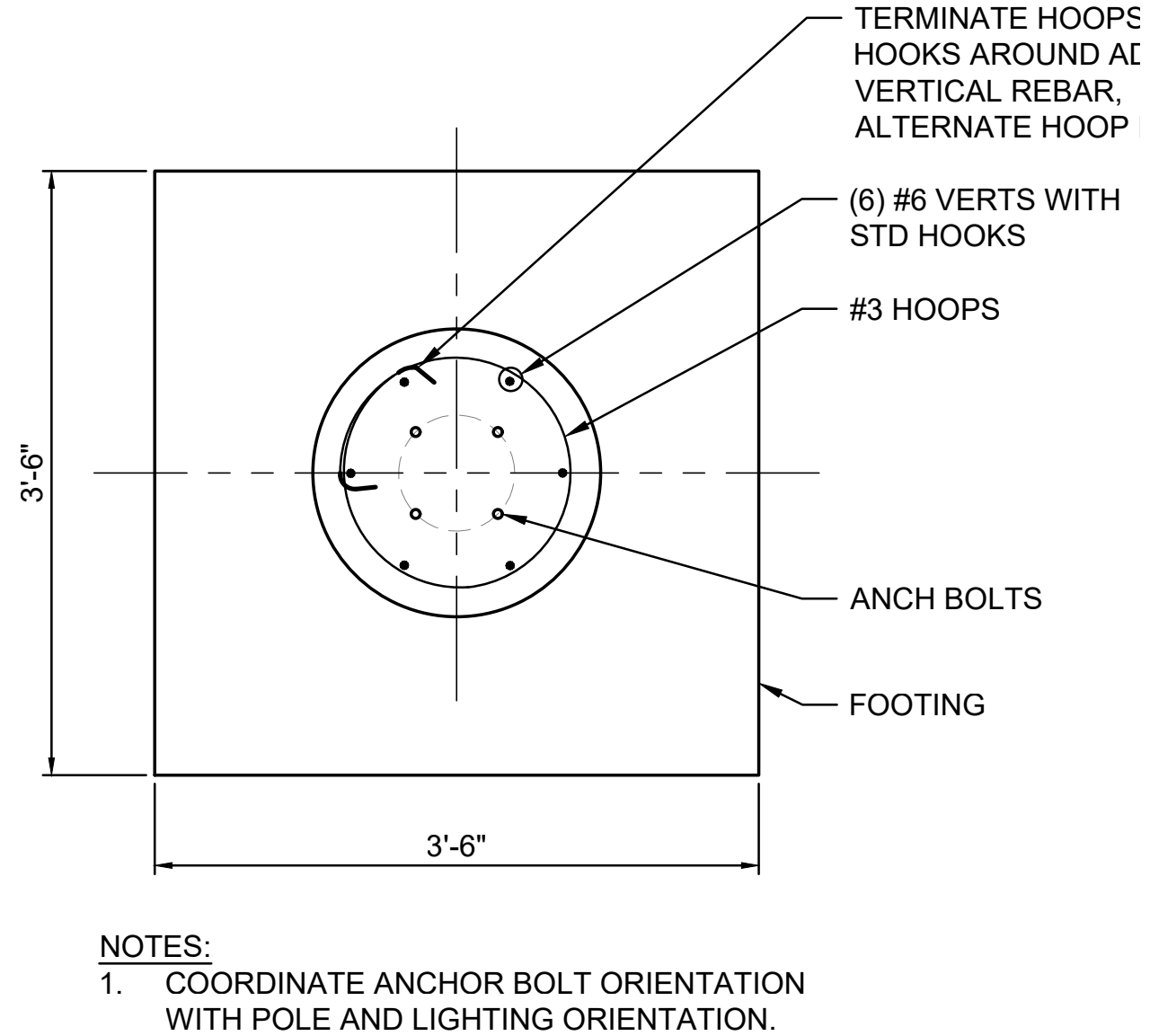
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FOR CONSTRUCTION

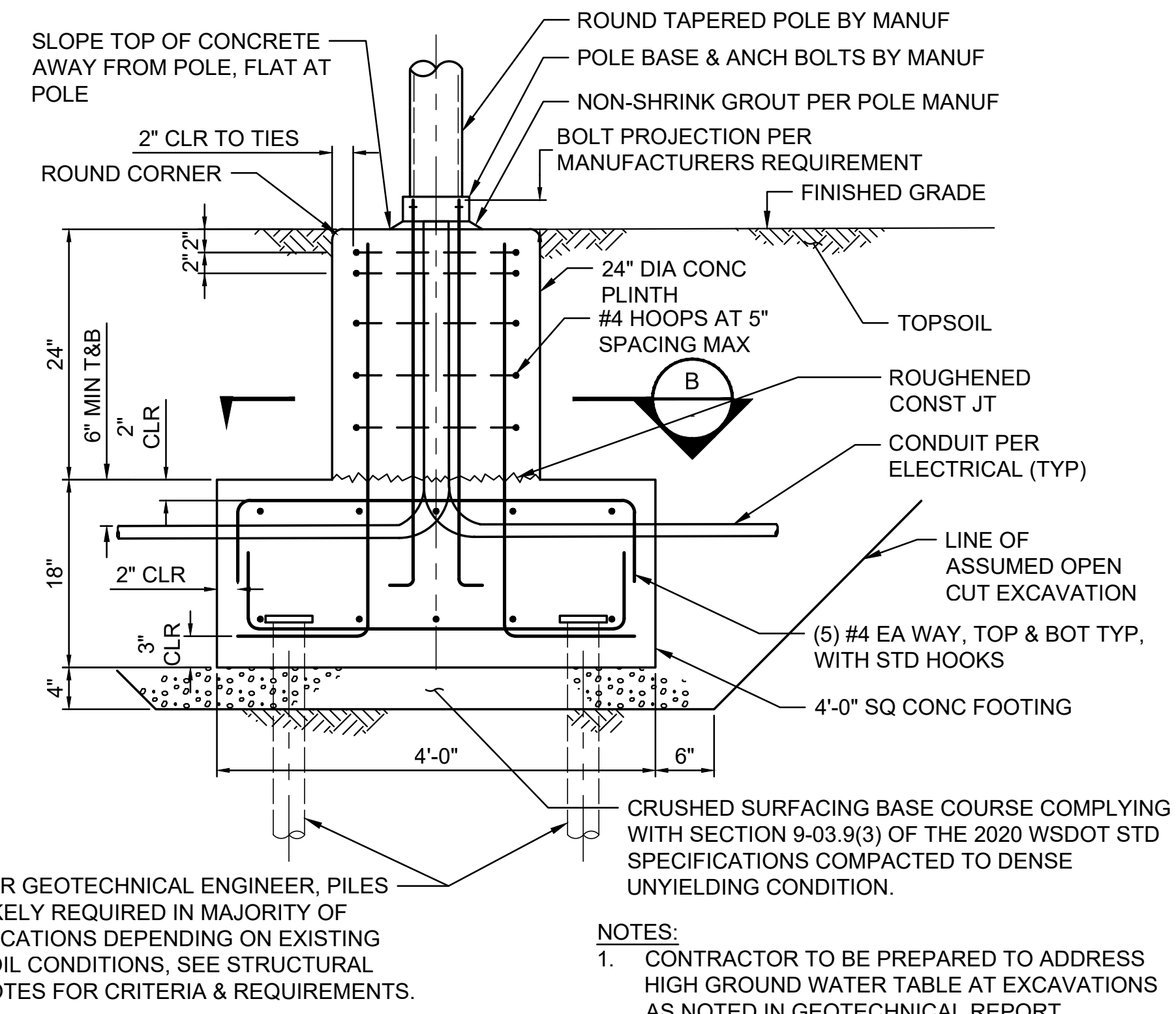
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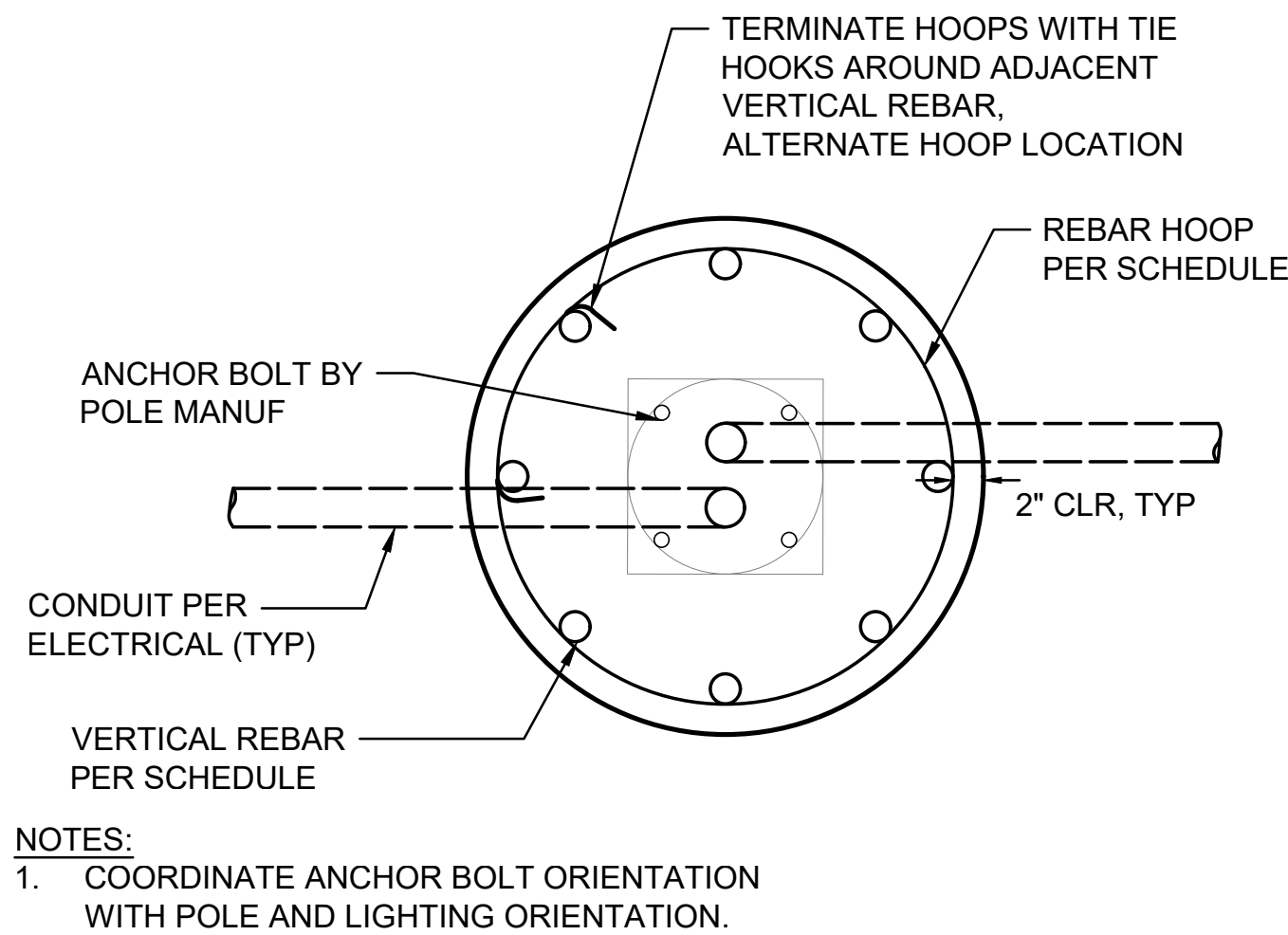
PEDESTRIAN TRAIL LIGHT POLE FOUNDATION
NTS



PEDESTRIAN TRAIL LIGHT POLE FOUNDATION PLAN
NTS



LIGHT POLE FOUNDATION AT BASKETBALL COURT
NTS



LIGHT POLE FOUNDATION PLAN AT BASKETBALL COURT
NTS

Luminaire Pole Table & Foundation		
Manufacturer	Location	Number
Valmont	Basketball Court	DS210-782A389-D1-FP/DB-FBC-LAB*
First Light Technologies	Pedestrian Trail	SSA18D4-4*
Luminaires		
Manufacturer	Location	Number
Beacon Viper	Basketball Court	VPL-96L-395-3K7-VOLTAGE-DB*
First Light Technologies	Pedestrian Trail	SCL2-SPMU-BZ-T3-NW-09*
Basketball Hoop		
Manufacturer	Location	Number
Goalrilla	Basketball Court	CV54 Model No. B3333W*
Shield		
Manufacturer	Location	Number
Garmire	Basketball Court	GAR-HSS-Beacon Viper Large-DB*

- NOTES:
- (*) DENOTES OR AN APPROVED EQUAL.
 - ALL REQUIRED MOUNTS, ANCHOR BOLTS, CAPS, COVERS, HAND HOLES, ETC. FOR THE POLES SHALL BE PROVIDED.

Pole Location	Light Pole Foundation At Basketball Court Schedule							
	Mounting/Foundation Dims	Hoops		Vertical Rods		Assumed Anchor Bolts (To be provided by Pole Manufacturer)		
	Pole Height	Quantity	Size	Quantity	Size	Dia	Length	Hook
Basketball Court	39'	5	#4	8	#7	1"	36"	4"
Notes:	1 - Rebar shall have a typical 3" clear cover 2 - Vertical rebar shall extend to typical 3" clear from top and bottom of foundation 3 - Anchor bolts to extend per Manufacturer's specifications 4 - Grout base after pole has been plumbed. Provide 1/2" plastic drain pipe 5 - All conduits in foundation shall be rigid plastic conduit per local electrical codes 6 - Foundation does not apply to basketball hoop/backboard							

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APPROVED	09/30/2021					CIVIL ENG.	KPFF
REVIEWED	09/30/2021					LAND. ARCH.	NA
DRAWN	09/30/2021						



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SEATTLE, WA 98178

ILLUMINATION DETAILS

SHEET
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OF
37
SHEETS
IL03

FOR CONSTRUCTION

Name: daniel Date: Sep 30, 2021-10:39:36pm File: U:\18001-18350\1800182 Skyway Park Improvement\CADD\Plan Set\15_KCSPH-IL-DTLS - IL05.dwg

FOR CONSTRUCTION

STRUCTURAL NOTES - LIGHT POLE FOUNDATIONS

SCOPE: THE NOTES AND DETAILS CONTAINED HEREIN APPLY TO CONSTRUCTION OF THE TYPICAL FOUNDATIONS FOR THE SKYWAY PARK LIGHT POLES.

BUILDING CODE AND SPECIFICATIONS: DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION, UNLESS NOTED OTHERWISE. THE PUBLICATIONS LISTED BELOW ARE THE GOVERNING CODES AND STANDARDS FOR THIS PROJECT.

PRIMARY REFERENCE STANDARDS: (USE VERSION REFERENCED BY GOVERNING CODE, EXCEPT WHERE NOTED OTHERWISE. IF NOT REFERENCED BY GOVERNING CODE, USE LATEST EDITION)

ASCE 7-16 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES.

ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.

AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, FIRST EDITION 2015.

ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS.

DIMENSIONS: WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY ALL LEVELS, DIMENSIONS, AND EXISTING CONDITIONS THAT MAY AFFECT THE FABRICATION AND INSTALLATION OF NEW ELEMENTS BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL NOTIFY THE PROJECT REPRESENTATIVE OF ANY DISCREPANCIES OR FIELD CHANGES PRIOR TO INSTALLATION OR FABRICATION. DO NOT SCALE THE DRAWINGS.

CONSTRUCTION LOADS: STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURES. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING OF ALL STRUCTURAL MEMBERS IN A MANNER SUITABLE TO THE WORK SEQUENCE. TEMPORARY SHORING AND BRACING SHALL NOT BE REMOVED UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS AND UNTIL ALL MATERIALS HAVE ACHIEVED THEIR DESIGN STRENGTH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY, STABILITY, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, REQUIRED TO PERFORM THE WORK.

SUBMITTALS

1. SUBMIT SHOP DRAWINGS FOR THE FOLLOWING ELEMENTS:
 - a. REINFORCING STEEL.
2. SUBMIT SUBMITTALS FOR THE FOLLOWING ELEMENTS:
 - a. CONCRETE MIX DESIGN
 - b. LIGHT POLE AND LIGHTING PRODUCTS SOLELY FOR VALIDATION OF FOUNDATION DESIGN.
3. SUBMIT SHOP DRAWINGS TO PROJECT REPRESENTATIVE AND STRUCTURAL ENGINEER FOR REVIEW A MINIMUM OF TWO WEEKS PRIOR TO BEGINNING FABRICATION.
4. DEFERRED SUBMITTALS PER IBC SECTION 107.3.4.1, DRAWINGS AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS SHALL BEAR THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN AND SHALL BE SUBMITTED TO THE ARCHITECT AND THE BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION. DEFERRED SUBMITTALS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
 - a. PIN PILE OR HELICAL PILES

PROPOSED FIELD CHANGES

1. ANY PROPOSED CHANGES THAT DIFFER FROM THE APPROVED CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE PROJECT REPRESENTATIVE AND STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH THE WORK. DO NOT INCORPORATE THE CHANGES WITHOUT GAINING APPROVAL IN WRITING FROM THE STRUCTURAL ENGINEER AND PROJECT REPRESENTATIVE.

AS-BUILT RECORD DRAWINGS

1. THE CONTRACTOR SHALL MAINTAIN A SET OF THE APPROVED PLANS ON-SITE DURING CONSTRUCTION AND RED-MARK THE DRAWINGS WITH ANY CHANGES INCORPORATED INTO THE WORK THAT DIFFER FROM THE APPROVED PLANS. UPON COMPLETION OF THE PROJECT, THE RECORD AS-BUILT DRAWING SET SHALL BE SUBMITTED TO KING COUNTY.

INSPECTION

SPECIAL INSPECTION PER IBC CHAPTER 17 SHALL BE PERFORMED BY AN APPROVED TESTING AGENCY AS INDICATED IN THE STATEMENT OF SPECIAL INSPECTIONS AND TESTING. ALL PREPARED SOIL-BEARING SURFACES SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL. SOIL COMPACTION SHALL BE SUPERVISED BY AN APPROVED TESTING AGENCY OR GEOTECHNICAL ENGINEER.

DESIGN LOADS

DEAD LOAD: DEAD LOADS USED FOR DESIGN CONSIST OF THE SELF-WEIGHT OF THE MATERIALS USED, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

WIND LOAD: WIND LOAD IS DETERMINED IN ACCORDANCE WITH AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, FIRST EDITION 2015.

THE FOLLOWING FACTORS WERE DETERMINED TO APPLY TO THE PROPOSED STRUCTURES AND USED IN THE DESIGN:

RISK CATEGORY BASED ON MEAN RECURRENCE INTERVAL OF 300-YRS.	
EXPOSURE CATEGORY C	
BASIC WIND SPEED, V	100 MPH
DIRECTIONALITY FACTOR, KD	0.95 FOR POLE
TOPOGRAPHIC FACTOR, KZT	1.10
GROUND ELEVATION FACTOR, KE	1.0
VELOCITY PRESSURE EXPOSURE COEFFICIENT, KZ	0.88 (PEDESTRIAN LIGHTING) 1.04 (BASKETBALL COURT LIGHTING)
GUST EFFECT FACTOR, G	0.85
LUMINAIRE EPA	0.99 SQ FT (PEDESTRIAN LIGHTING) 1.2 SQ FT (BASKETBALL COURT LIGHTING)

BEARING PRESSURE AT BASE OF LIGHTING FOOTINGS:

1. DUE TO DEAD LOAD ONLY FROM WEIGHT OF LUMINAIRE, POLE, FOOTING & SUPPORTED SOIL, UNIFORM BEARING PRESSURE = 350 PSF (PEDESTRIAN LIGHTING) AND 550 PSF (BASKETBALL COURT LIGHTING).
2. DUE TO DEAD LOAD PLUS WIND LOAD, MAXIMUM SERVICE BEARING PRESSURE AT EDGE OF FOOTING = 500 PSF (PEDESTRIAN LIGHTING) AND 1000 PSF (BASKETBALL COURT LIGHTING).

GEOTECHNICAL INVESTIGATION

1. A GEOTECHNICAL INVESTIGATION WAS PERFORMED AT THE SITE BY ICICLE CREEK ENGINEERS, THE RESULTS OF WHICH ARE CONTAINED IN THE REPORT "GEOTECHNICAL ENGINEERING SERVICES SKYWAY PARK IMPROVEMENTS" DATED JUNE 17, 2021.
2. GEOTECHNICAL INVESTIGATION FOR THE SOILS AT THE SITE WERE ALSO PERFORMED FOR A PREVIOUS PROJECT INVOLVING A PUMP STATION AND PIPELINE PROJECT IN 2012. THE RESULTS OF THAT INVESTIGATION ARE CONTAINED IN THE REPORT "GEOTECHNICAL RECOMMENDATIONS - SKYWAY PARK PUMP STATION AND REPLACEMENT SEWER PIPELINE", BY LANDAU ASSOCIATES, TACOMA, WA 98402 AND DATED AUGUST 24, 2012.

SUBGRADE PREPARATION

1. AFTER EXCAVATION FOR EACH FOOTING HAS BEEN COMPLETED, THE EXISTING SOILS BENEATH THE BOTTOM OF EACH FOOTING SHALL BE HAND-PROBED BY OR IN COORDINATION WITH THE GEOTECHNICAL ENGINEER USING AN APPROVED PROBE ROD TO IDENTIFY ANY AREAS CONTAINING VERY SOFT SOILS, AND IN PARTICULAR ORGANIC PEAT SOIL. IF VERY SOFT SOIL OR PEAT SOIL IS DETERMINED TO BE WITHIN A VERTICAL DISTANCE OF APPROXIMATELY 1.5 TO 2.0 FEET BENEATH A FOOTING AND IS ANTICIPATED TO CAUSE UNDESIRABLE SETTLEMENT OF THE FOUNDATION, CONTRACTOR SHALL NOTIFY THE PROJECT REPRESENTATIVE, GEOTECHNICAL ENGINEER, AND STRUCTURAL ENGINEER, PAUSE CONSTRUCTION, AND AWAIT FURTHER DIRECTION HOW TO PROCEED. IT IS THE GEOTECHNICAL ENGINEER WHO WILL DETERMINE IF PILES ARE REQUIRED. THE PROPOSED MODIFICATION TO TAKE INTO ACCOUNT THE PRESENCE OF THE VERY SOFT SOILS AND/OR PEAT SOILS WILL BE THE FOLLOWING, UNLESS DETERMINED OTHERWISE:
 - A. **FOUNDATION MODIFICATION:** IF SOFT PEAT SOIL IS DISCOVERED BENEATH A FOOTING AS INDICATED ABOVE, THE CONTRACTOR SHALL BE PREPARED TO INSTALL SMALL DIAMETER PIPE PILES (PIN PILES) OR HELICAL PILES TO PROVIDE ADDED VERTICAL SUPPORT FOR THE FOOTING. PIN PILES AREA DEFERRED SUBMITTAL, THE FOLLOWING MAY BE USED AS A BASIS FOR BID. PIN PILES SHALL BE 2-INCH NOMINAL DIAMETER, SCHEDULE 80, STEEL PIPE, ASTM A53, GRADE A. INSTALL 4 PIN PILES AT EACH FOOTING, ONE PILE AT EACH CORNER, LOCATED APPROXIMATELY 8-INCHES FROM THE EDGES OF THE FOOTING, EACH WAY. EACH PILE SHALL BE DRIVEN TO DEVELOP A MINIMUM ALLOWABLE VERTICAL TENSION CAPACITY OF 2000 LBS (4000 LBS ULTIMATE CAPACITY) AND COMPRESSION CAPACITY OF 2500 LBS (5000 LBS ULTIMATE CAPACITY) WITH SETTLEMENT UNDER FULL LOAD TO BE LESS THAN 0.25 INCH. PILES SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123 AFTER FABRICATION.

CONTRACTOR SHALL SUBMIT PROPOSED INSTALLATION CRITERIA, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS AND ASSEMBLY DETAILS, MATERIALS, SPLICE DETAILS, PILE HEAD DETAILS, DRIVING EQUIPMENT SPECIFICATIONS AND DRIVING CRITERIA TO MEET THE SPECIFIED ALLOWABLE VERTICAL CAPACITY AND MAXIMUM ALLOWED SETTLEMENT CRITERIA. CONTRACTOR SHALL PROVIDE TEST PROGRAM IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PRIOR TO PRODUCTION PILES. FOLLOWING INSTALLATION, THE CONTRACTOR SHALL SUBMIT INSPECTION REPORTS FOR EACH PILE, INCLUDING LOCATION, PLUMBNESS, DEPTH OF PENETRATION, FINAL BLOW COUNTS FOR LAST 1-INCH OF PENETRATION, AND ESTIMATED ULTIMATE COMPRESSION CAPACITY. FOUNDATION DESIGN IMPACTS MAY RESULT FROM PILE DESIGN AND/OR TEST PILE.

CONCRETE

REFERENCE STANDARDS:

ACI AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318

CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED, AND PLACED IN ACCORDANCE WITH IBC SECTION 1905 AND ACI 301. ALL CONCRETE SHALL BE CAST-IN-PLACE CONCRETE UNLESS NOTED OTHERWISE.

CONCRETE STRENGTH AND MIX DESIGNS: MIX DESIGNS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE AND STRUCTURAL ENGINEER FOR ACCEPTANCE TWO WEEKS PRIOR TO PLACING ANY CONCRETE. CONCRETE MIX PROPORTIONS AND CONCRETE STRENGTH SHALL COMPLY WITH THE FOLLOWING UNLESS APPROVED OTHERWISE:

1. MINIMUM DESIGN CONCRETE COMPRESSIVE STRENGTH (F'C) SHALL BE 4500 PSI BASED ON STANDARD 28-DAY CYLINDER TESTS IN ACCORDANCE WITH ASTM C39.
2. MAXIMUM COARSE AGGREGATE SIZE SHALL BE ¾-INCH.
3. MINIMUM CEMENTITIOUS MATERIAL CONTENT SHALL BE 564 LBS PER CUBIC YARD OF CONCRETE.
4. MAXIMUM WATER TO CEMENTITIOUS MATERIAL RATIO SHALL BE 0.36.
5. AIR CONTENT FOR CONCRETE HAVING EXPOSED SURFACES SHALL BE 6 PERCENT IN THE RANGE OF +/-1.5 PERCENT. THE AMOUNT OF ENTRAINED AIR SHALL BE MEASURED IN THE FIELD AT THE DISCHARGE FROM THE TRUCK.
6. SLUMP WORKING LIMITS SHALL BE IN THE RANGE OF 2-INCH MINIMUM AND 4-INCH MAXIMUM.
7. AT CONTRACTOR'S OPTION, UP TO 15 TO 20 PERCENT BY WEIGHT OF PORTLAND CEMENT CONTENT MAY BE REPLACED WITH POZZOLAN (FLY ASH) OR GGBF SLAG.
8. ALL CONCRETE SHALL CONTAIN AN AIR-ENTRAINING ADMIXTURE (ASTM C260) AND A TYPE A WATER-REDUCING ADMIXTURE (ASTM C494) AT RATES RECOMMENDED BY THE MANUFACTURER.
9. DO NOT USE CHEMICALS THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT.
10. PROVIDE CONCRETE WITH EXPOSURE CLASS: F2, S0, W0, C0.

CONCRETE CURING AND PROTECTION: IMMEDIATELY AFTER PLACEMENT, PROTECT CONCRETE FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES, AND MECHANICAL INJURY. CONCRETE SHALL BE CURED FOR A PERIOD OF NOT LESS THAN 7 DAYS. MAINTAIN CONCRETE WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR CURING PERIOD. CONCRETE MAY BE KEPT MOIST AND COVERED WITH POLYETHYLENE SHEETS.

CHAMFERS: EXPOSED CONCRETE CORNERS AND EDGES SHALL HAVE 1" CHAMFERS.

REINFORCING STEEL MATERIALS:

DEFORMED BARS ASTM A615, GRADE 60

REINFORCING STEEL DETAILING: REINFORCING STEEL SHALL BE SUPPORTED AS SPECIFIED BY THE CRSI MANUAL OF STANDARD PRACTICE. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH ACI 315 - DETAILS AND DETAILING OF CONCRETE REINFORCEMENT. DIMENSIONS AND CONFIGURATION OF STANDARD HOOKS SHALL COMPLY WITH THE REQUIREMENTS OF ACI 318.

REINFORCING STEEL SHALL HAVE PROTECTION AS FOLLOWS, UNLESS NOTED OTHERWISE:

USE:		<u>COVER</u>
FOOTING	BOTTOM BARS	3" (CAST AGAINST EARTH)
	TOP BARS	1 1/2"
		2" (#6 AND LARGER WHERE EXPOSED TO EARTH OR WEATHER)
	SIDE BARS	2"


REBAR SPLICES: LAP SPLICES SHALL CONFORM TO THE REQUIREMENTS OF ACI 318.

FIELD BENDING: NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY DETAILED AS SUCH OR APPROVED BY THE OWNER.

WELDING: REINFORCING BARS SHALL NOT BE WELDED OR TACK WELDED TO OTHER BARS OR TO PLATES, ANGLES, ETC. UNLESS SPECIFICALLY APPROVED IN WRITING BY THE OWNER. WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS D1.4. WELDING SHALL BE DONE BY AWS/WABO CERTIFIED WELDERS QUALIFIED FOR WELDS USING APPROVED ELECTRODES.



KNOW WHAT'S BELOW.
CALL 2 BUSINESS DAYS
BEFORE YOU DIG.
(UTILITY LOCATIONS ARE APPROX.)

SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR				DESIGN TEAM		 King County Department of Natural Resources and Parks Parks and Recreation Division Capital Projects Section 201 S. Jackson St., Suite 700, Seattle, WA 98104 <i>Christie True, Director</i>	SKYWAY PARK IMPROVEMENTS		SHEET	
PROJECT #	1129700	DATE	REV #	REVISION	BY	DATE	ARCH.	NA		SKYWAY PARK		36	
ISSUED	-	09/30/2021					STRUCT. ENG.	KPFF		7121 S. 120TH PLACE		OF	
APPROVED	S. ROBERTS	09/30/2021					CIVIL ENG.	KPFF		SEATTLE, WA 98178		37	
REVIEWED	S. ROBERTS	09/30/2021					LAND. ARCH.	NA				SHEETS	
DRAWN	D. LESLIE	09/30/2021										ILLUMINATION STRUCTURAL NOTES	

SPECIAL INSPECTIONS

STRUCTURAL TESTS AND SPECIAL INSPECTIONS: STRUCTURAL TESTS AND SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF IBC 2015 CHAPTER 17, AND AS SUPPLEMENTED BY THE CONTRACT DOCUMENTS. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY A CERTIFIED SPECIAL INSPECTOR AS QUALIFIED BY IBC 2015 UNLESS NOTED OTHERWISE. SPECIAL INSPECTORS SHALL BE EMPLOYED BY THE COUNTY TO PROVIDE SPECIAL INSPECTIONS FOR THE PROJECT. SPECIAL INSPECTORS SHALL BE QUALIFIED PERSONS WHO ARE WABO APPROVED AND DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION PER IBC SECTION 1704.1.

INSPECTION DEFINITIONS:

- PERFORM:** PERFORM THESE TASKS FOR EACH WELD, FASTENER OR BOLTED CONNECTION, AND NOTED VERIFICATION.
- OBSERVE:** OBSERVE THESE ITEMS RANDOMLY DURING THE COURSE OF EACH WORK DAY TO INSURE THAT APPLICABLE REQUIREMENTS ARE BEING MET. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS AT CONTRACTOR'S RISK.
- DOCUMENT:** DOCUMENT, WITH A REPORT, THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THIS IS IN ADDITION TO ANY OTHER REPORTS REQUIRED IN THE SPECIAL INSPECTIONS GUIDE SPECIFICATION.
- CONTINUOUS:** CONSTANT MONITORING OF IDENTIFIED TASKS BY A SPECIAL INSPECTOR OVER THE DURATION OF PERFORMANCE OF SAID TASKS.

REQUIRED SPECIAL INSPECTIONS

A. STRUCTURAL - CONCRETE CONSTRUCTION SECTION

CONCRETE CONSTRUCTION - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC TABLE 1705.3 (ACI 318 REFERENCES NOTED IN IBC TABLE)		
TASK	INSPECTION TYPE	DESCRIPTION
1. INSPECT REINFORCEMENT, AND VERIFY PLACEMENT.	OBSERVE	VERIFY PRIOR TO PLACING CONCRETE THAT REINFORCING IS OF SPECIFIED TYPE, GRADE AND SIZE; THAT IT IS FREE OF OIL, DIRT AND UNACCEPTABLE RUST; THAT IT IS LOCATED AND SPACED PROPERLY; THAT HOOKS, BENDS, TIES, STIRRUPS AND SUPPLEMENTAL REINFORCEMENT ARE PLACED CORRECTLY; THAT LAP LENGTHS, STAGGER AND OFFSETS ARE PROVIDED; AND THAT ALL MECHANICAL CONNECTIONS ARE INSTALLED PER THE Manufacturer'S INSTRUCTIONS AND/OR EVALUATION REPORT.
2. CAST IN PLACE ANCHORS.	OBSERVE	VERIFY PRIOR TO PLACING CONCRETE THAT CAST IN PLACE ANCHORS HAVE PROPER EMBEDMENT, SPACING AND EDGE DISTANCE.
3. VERIFY USE OF REQUIRED MIX DESIGN.	OBSERVE	VERIFY THAT ALL MIXES USED COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TEST VERIFY THESE TESTS ARE PERFORMED BY QUALIFIED TECHNICIANS.
5. INSPECT CONCRETE FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	VERIFY PROPER APPLICATION TECHNIQUES ARE USED DURING CONCRETE CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION. VERIFY THAT CONCRETE IS PROPERLY CONSOLIDATED.
6. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUE.	OBSERVE	INSPECT CURING, COLD WEATHER PROTECTION, AND HOT WEATHER PROTECTION PROCEDURES.
7. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	OBSERVE	

REQUIRED SPECIAL INSPECTIONS

B. INSPECTIONS AND TESTS FOR SOILS

SOIL CONDITIONS BENEATH FOOTINGS - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC TABLE 1705.6		
TASK	INSPECTION TYPE	DESCRIPTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	OBSERVE & DOCUMENT	SEE STRUCTURAL NOTES FOR ACTUAL CALCULATED BEARING PRESSURE BENEATH FOOTINGS.
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	OBSERVE & DOCUMENT	SEE STRUCTURAL NOTES FOR ANTICIPATED PROPER BEARING MATERIAL.
3. VERIFY PROPER USE OF MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS	(IBC TABLE 1705.3, 5)

C. INSPECTIONS AND TESTS FOR DRIVEN DEEP FOUNDATION ELEMENTS

PIN OR HELICAL PILES - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC TABLE 1705.7		
TASK	INSPECTION TYPE	DESCRIPTION
1. VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS.	CONTINUOUS	SEE STRUCTURAL NOTES.
2. INSPECT DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	CONTINUOUS	
3. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT.	CONTINUOUS	(IBC TABLE 1705.3, 5)
4. FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.	DOCUMENT	
5. DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED.	CONTINUOUS	AS STATED IN THE GEOTECHNICAL REPORT

REQUIRED SPECIAL INSPECTIONS

D. REQUIRED TESTS FOR SOILS AND CONCRETE

SYSTEM OR MATERIAL	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	TESTING		REMARKS
			CONTINUOUS	PERIODIC	
GEOTECHNICAL					
FILL IN-PLACE DENSITY OR PREPARED SUBGRADE DENSITY	1705.6	VARIABLE; MINIMUM PER IBC APPENDIX J107.5	-	X	BY THE GEOTECHNICAL ENGINEER
MATERIAL VERIFICATION		VARIABLE; CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	-	X	BY THE GEOTECHNICAL ENGINEER
TEST PILES	-	-	-	-	BY THE GEOTECHNICAL ENGINEER
CONCRETE					
COMPOSITE SAMPLES	1903 1705.3	ASTM C 172 ACI 318: 26.12	ONE SAMPLE FOR EA 150 CY NOR LESS THAN 5,000 SQ FT OF SLABS AND WALLS, ONE SET PER DAY MIN		OBTAIN WHEN FRESH CONCRETE IS PLACED FOR EACH MIX DESIGN USED
CONCRETE STRENGTH, UNO		ASTM C 39 ACI 318: 26.12	EACH SAMPLE: 1 CYL - 7 DAYS 3 CYL - TEST AGE 1 CYL - HOLD		(NOTE 9) REFER TO GENERAL NOTES FOR TEST AGE. FOR 6 BY 12-INCH CYLINDERS, 2 CYLINDERS AT TEST AGE IS PERMITTED. CYL = CYLINDER
CONCRETE SLUMP		ASTM C 143	ONE TEST PER COMPOSITE SAMPLE		AT POINT OF PLACEMENT
CONCRETE AIR CONTENT		ASTM C 231	ONE TEST PER COMPOSITE SAMPLE		MIN ONE PER DAY
CONCRETE TEMPERATURE		ASTM C 1064	ONE TEST PER COMPOSITE SAMPLE		ONE TEST PER HOUR WHEN AIR TEMP IS BELOW 40 DEG F OR ABOVE 80 DEG F

Name: daniel Date: Sep 30, 2021-03:39:58pm File: U:\18001-18350\1800162 Skyway Park Improvement\CADD\Plan Set\15_KCSP-IL-DTLS - IL05.dwg

FOR CONSTRUCTION



SKYWAY PARK IMPROVEMENTS			PROJECT MANAGER: MARY LEAR			DESIGN TEAM			<p>King County Department of Natural Resources and Parks Parks and Recreation Division Capital Projects Section 201 S. Jackson St., Suite 700, Seattle, WA 98104 <i>Christie True, Director</i></p>	<p>SKYWAY PARK IMPROVEMENTS SKYWAY PARK 7121 S. 120TH PLACE SEATTLE, WA 98178</p>	<p>SHEET 37 OF 37 SHEETS</p>
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