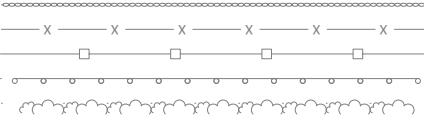
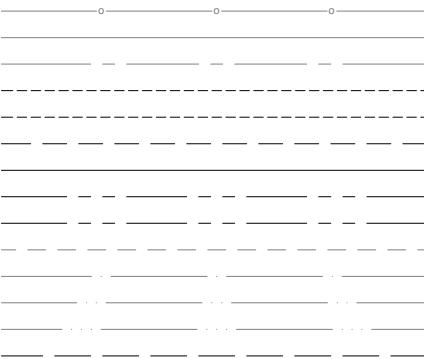
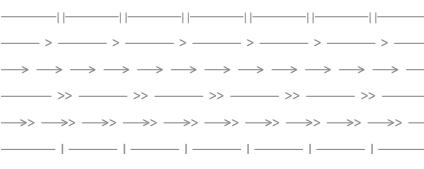
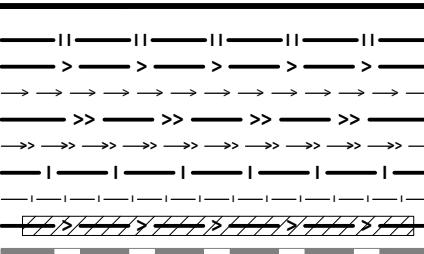
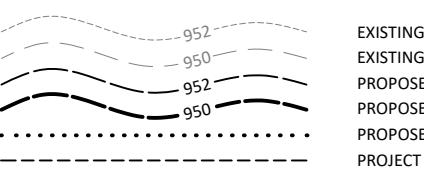
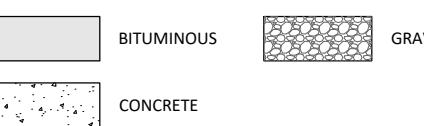




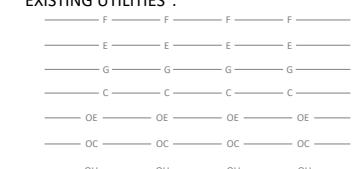
## EXISTING TOPOGRAPHIC SYMBOLS

ACCESS GRATE	REGULATION STATION GAS
AIR CONDITION UNIT	SATELLITE DISH
ANTENNA	SIGN NON TRAFFIC
AUTO SPRINKLER CONNECTION	SIGN TRAFFIC
BARRICADE PERMANENT	SIGNAL CONTROL CABINET
BASKETBALL POST	SOIL BORING
BENCH	SIREN
BIRD FEEDER	TELEPHONE BOOTH
BOLLARD	TILE INLET
BUSH	TILE OUTLET
CATCH BASIN RECTANGULAR CASTING	TILE RISER
CATCH BASIN CIRCULAR CASTING	TRANSFORMER-ELECTRIC
CURB STOP	TREE-CONIFEROUS
CLEAN OUT	TREE-DEAD
CULVERT END	TREE-DECIDUOUS
DRINKING FOUNTAIN	TREE STUMP
DOWN SPOUT	TRAFFIC ARM BARRIER
FILL PIPE	TRAFFIC SIGNAL
FIRE HYDRANT	TRASH CAN
FLAG POLE	UTILITY MARKER
FLARED END / APRON	VALVE
FUEL PUMP	VALVE POST INDICATOR
GRILL	VALVE VAULT
GUY WIRE ANCHOR	VAULT
HANDHOLE	VENT PIPE
HANDICAP SPACE	WATER SPIGOT
IRRIGATION SPRINKLER HEAD	WELL
IRRIGATION VALVE BOX	WETLAND DELINEATED MARKER
LIFT STATION CONTROL PANEL	WETLAND
LIFT STATION	WET WELL
LIGHT ON POLE	YARD HYDRANT
LIGHT-GROUND	
MAILBOX	
MANHOLE-COMMUNICATION	CLEANOUT
MANHOLE-ELECTRIC	MANHOLE
MANHOLE-GAS	LIFT STATION
MANHOLE-HEAT	STORM SEWER CIRCULAR CASTING
MANHOLE-SANITARY SEWER	STORM SEWER RECTANGULAR CASTING
MANHOLE-STORM SEWER	STORM SEWER FLARED END / APRON
MANHOLE-UTILITY	STORM SEWER OUTLET STRUCTURE
MANHOLE-WATER	STORM SEWER OVERFLOW STRUCTURE
METER	CURB BOX
ORDER MICROPHONE	FIRE HYDRANT
PARKING METER	WATER VALVE
PAVEMENT MARKING	WATER REDUCER
PEDESTAL-COMMUNICATION	WATER BEND
PEDESTAL-ELECTRIC	WATER TEE
PEDESTRIAN PUSH BUTTON	WATER CROSS
PICNIC TABLE	WATER SLEEVE
POLE-UTILITY	WATER CAP / PLUG
POLE-BRACE	RIP RAP
POST	DRAINAGE FLOW
RAILROAD SIGNAL POLE	TRAFFIC SIGNS

## SURVEY SYMBOLS

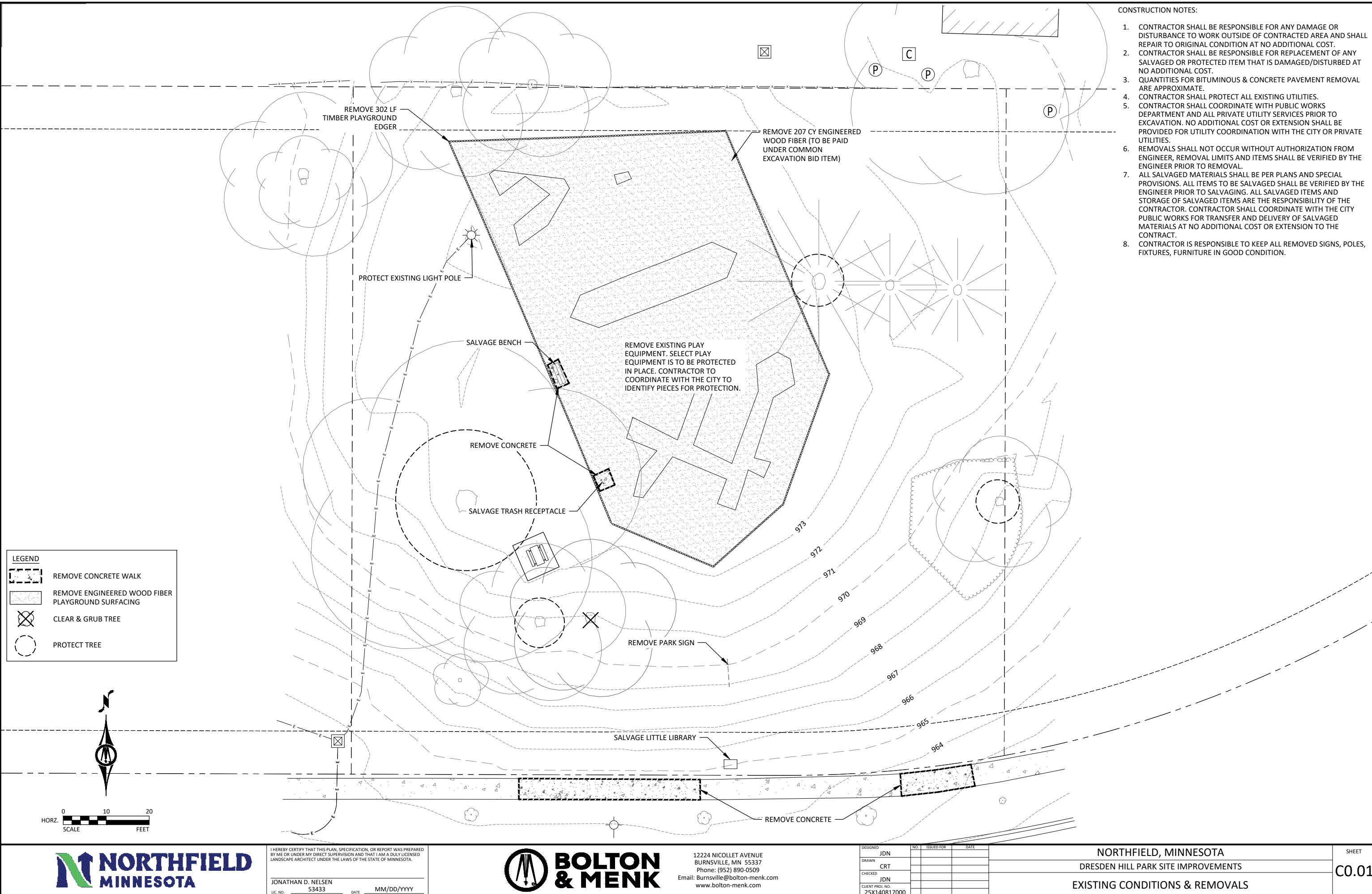
⊕ BENCHMARK LOCATION	CAST IRON MONUMENT
◊ CONTROL POINT	STONE MONUMENT
● MONUMENT FOUND	
<b>EXISTING TOPOGRAPHIC LINES</b>	
	
<b>RETAINING WALL</b> <b>FENCE</b> <b>FENCE-DECORATIVE</b> <b>GUARD RAIL</b> <b>TREE LINE</b> <b>BUSH LINE</b>	
<b>SURVEY LINES</b>	
	
<b>CONTROLLED ACCESS</b> <b>BOUNDARY</b> <b>CENTERLINE</b> <b>EXISTING EASEMENT LINE</b> <b>PROPOSED EASEMENT LINE</b> <b>EXISTING LOT LINE</b> <b>PROPOSED LOT LINE</b> <b>EXISTING RIGHT-OF-WAY</b> <b>PROPOSED RIGHT-OF-WAY</b> <b>SETBACK LINE</b> <b>SECTION LINE</b> <b>QUARTER LINE</b> <b>SIXTEENTH LINE</b> <b>TEMPORARY EASEMENT</b>	
<b>EXISTING UTILITY LINES</b>	
	
<b>FORCEMAIN</b> <b>SANITARY SEWER</b> <b>SANITARY SERVICE</b> <b>STORM SEWER</b> <b>STORM SEWER DRAIN TILE</b> <b>WATERMAIN</b> <b>WATER SERVICE</b>	
<b>PROPOSED UTILITY LINES</b>	
	
<b>FORCEMAIN</b> <b>SANITARY SEWER</b> <b>SANITARY SERVICE</b> <b>STORM SEWER</b> <b>STORM SEWER DRAIN TILE</b> <b>WATERMAIN</b> <b>WATER SERVICE</b>	
<b>GRADING INFORMATION</b>	
	
<b>EXISTING CONTOUR MINOR</b> <b>EXISTING CONTOUR MAJOR</b> <b>PROPOSED CONTOUR MINOR</b> <b>PROPOSED CONTOUR MAJOR</b> <b>PROPOSED GRADING LIMITS / SLOPE LIMITS</b> <b>PROJECT LIMITS</b> <b>PROPOSED SPOT ELEVATION</b> <b>RISE:RUN (SLOPE)</b>	
<b>HATCH PATTERNS</b>	
	
<b>BITUMINOUS</b> <b>GRANULAR</b> <b>CONCRETE</b>	

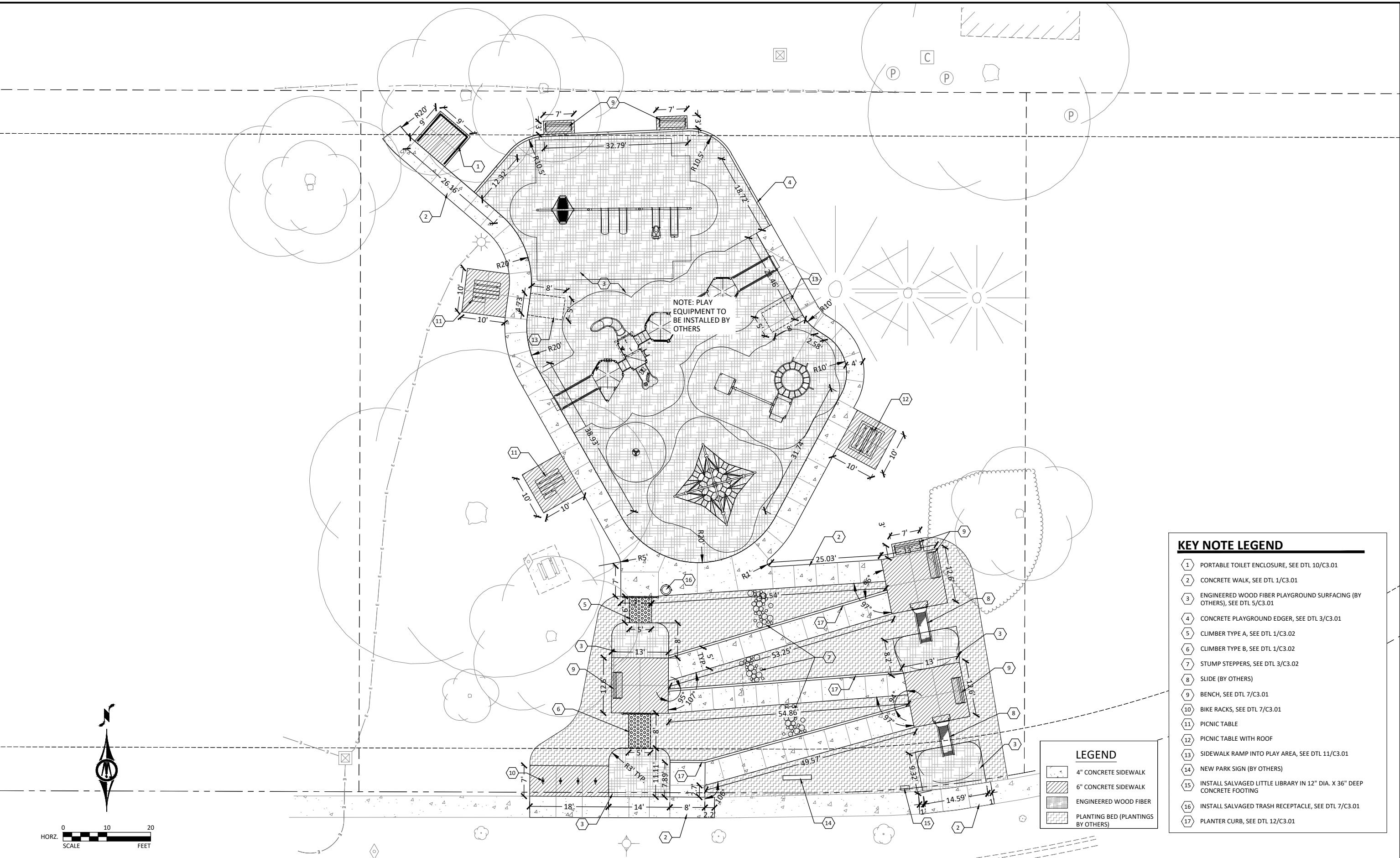
## EXISTING PRIVATE UTILITY LINES

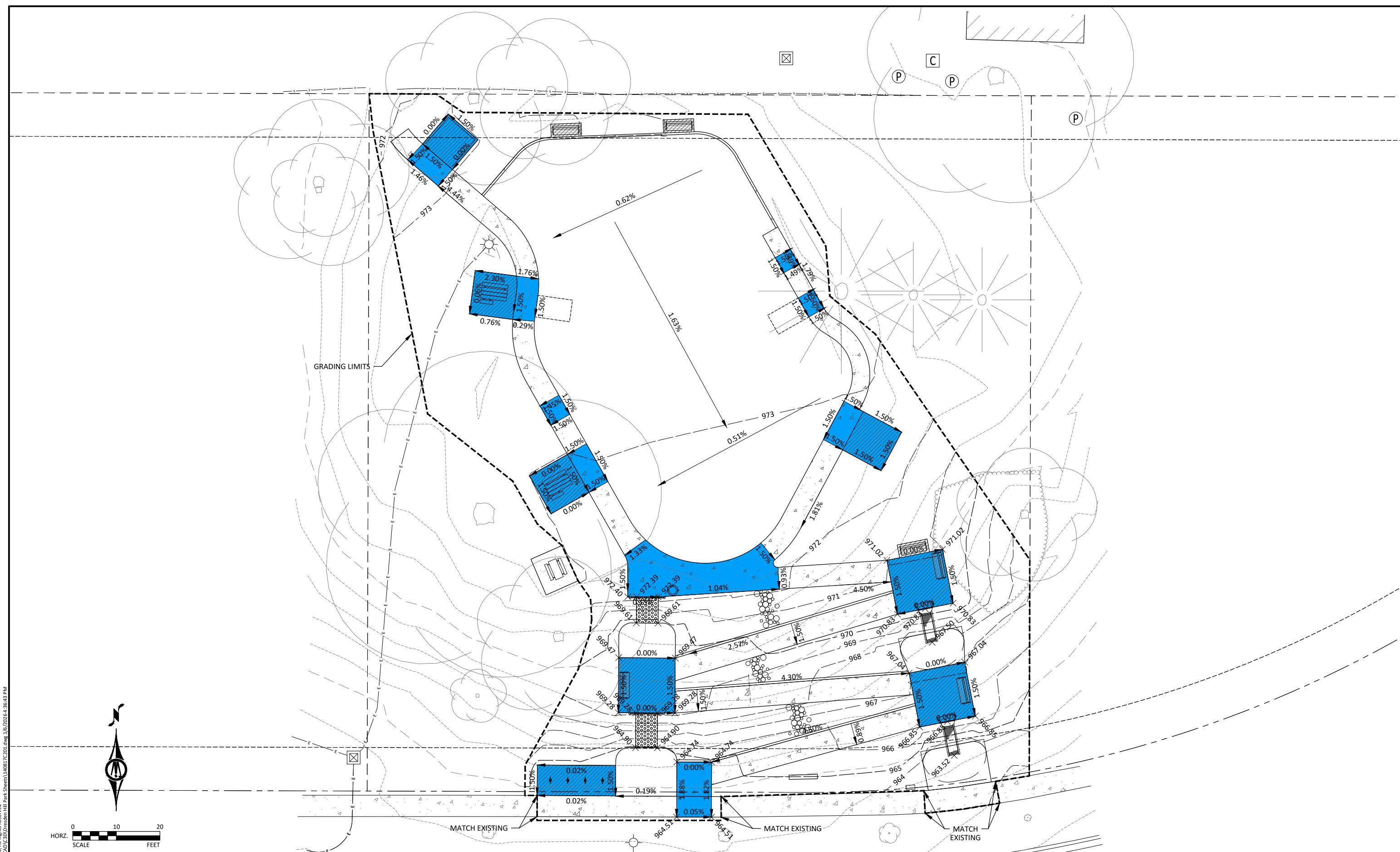
NOTE:	EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL, 1-800-252-1166 OR 651-454-0002.									
THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-22, ENTITLED "STANDARD GUIDELINE FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES".										
										
<b>UNDERGROUND FIBER OPTIC</b> <b>UNDERGROUND ELECTRIC</b> <b>UNDERGROUND GAS</b> <b>UNDERGROUND COMMUNICATION</b> <b>OVERHEAD ELECTRIC</b> <b>OVERHEAD COMMUNICATION</b> <b>OVERHEAD UTILITY</b>										
<b>UTILITIES IDENTIFIED WITH A QUALITY LEVEL :</b>										
LINE TYPES FOLLOW THE FORMAT: UTILITY TYPE - QUALITY LEVEL										
EXAMPLE:   <b>UNDERGROUND GAS, QUALITY LEVEL A</b>										
UTILITY QUALITY LEVEL (A,B,C,D) DEFINITIONS CAN BE FOUND IN CI/ASCE 38-22.										
<b>UTILITY QUALITY LEVELS:</b>										
QUALITY LEVEL D: PROVIDES THE MOST BASIC LEVEL OF INFORMATION. IT INVOLVES COLLECTING DATA FROM EXISTING UTILITY RECORDS. RECORDS MAY INCLUDE AS-BUILT DRAWINGS, DISTRIBUTION AND SERVICES MAPS, EXISTING GEOGRAPHIC INFORMATION SYSTEM DATABASES, CONSTRUCTION PLANS, ETC.										
QUALITY LEVEL C: INVOLVES SURVEYING VISIBLE SUBSURFACE UTILITY STRUCTURES SUCH AS MANHOLES, HAND-HOLES, UTILITY VALVES AND METERS, FIRE HYDRANTS, PEDESTALS AND UTILITY MARKERS, AND THEN CORRELATING THE INFORMATION WITH EXISTING UTILITY RECORDS TO CREATE COMPOSITE DRAWINGS. INCLUDES QUALITY LEVEL D ACTIVITIES.										
QUALITY LEVEL B: INVOLVES DESIGNATING THE HORIZONTAL POSITION OF SUBSURFACE UTILITIES THROUGH SURFACE DETECTION METHODS AND COLLECTING THE INFORMATION THROUGH A SURVEY METHOD. INCLUDES QUALITY LEVEL C AND D TASKS.										
QUALITY LEVEL A: PROVIDES THE HIGHEST LEVEL OF ACCURACY. IT INVOLVES LOCATING OR POTHoling UTILITIES AS WELL AS ACTIVITIES IN QUALITY LEVELS B, C, AND D. THE LOCATED FACILITY INFORMATION IS SURVEYED AND MAPPED AND THE DATA PROVIDES PRECISE PLAN AND PROFILE INFORMATION.										
<b>ABBREVIATIONS</b>										
A	ALGEBRAIC DIFFERENCE	GRAV	GRAVEL	RSC	RIGID STEEL CONDUIT					
ADJ	ADJUST	GU	GUTTER	RT	RIGHT					
ALT	ALTERNATE	GV	GATE VALVE	SAN	SANITARY SEWER					
B-B	BACK TO BACK	HDPE	HIGH DENSITY POLYETHYLENE	SCH	SCHEDULE					
BIT	BITUMINOUS	HH	HANDHOLE	SERV	SERVICE					
BLDG	BUILDING	HP	HIGH POINT	SHLD	SHOULDER					
BMP	BEST MANAGEMENT PRACTICE	HWL	HIGH WATER LEVEL	STA	STATION					
BR	BEGIN RADIUS	HYD	HYDRANT	STD	STANDARD					
BV	BUTTERFLY VALVE	I	INVERT	STM	STORM SEWER					
CB	CATCH BASIN	K	CURVE COEFFICIENT	TC	TOP OF CURB					
C&G	CURB AND GUTTER	L	LENGTH	TEMP	TEMPORARY EASEMENT					
CIP	CAST IRON PIPE	LO	LOWEST OPENING	TNH	TOP NUT HYDRANT					
CIPP	CURED-IN-PLACE PIPE	LP	LOW POINT	TP	TOP OF PIPE					
CL	CENTER LINE	LT	LEFT	VCP	VITRIFIED CLAY PIPE					
CLVT	CULVERT	MAX	MAXIMUM	VERT	VERTICAL					
CMP	CORRUGATED METAL PIPE	MIN	MINIMUM	VPC	VERTICAL POINT OF CURVE					
C.O.	CHANGE ORDER	MR	MID RADIUS	VPI	VERTICAL POINT OF INTERSECTION					
COMM	COMMUNICATION	NIC	NOT IN CONTRACT	WPT	VERTICAL POINT OF TANGENT					
CON	CONCRETE	NMC	NON-METALLIC CONDUIT	WM	WATERMAIN					
CSP	CORRUGATED STEEL PIPE	NTS	NOT TO SCALE							
DIA	DIAMETER	NWL	NORMAL WATER LEVEL							
DIP	DUCTILE IRON PIPE	OHW	ORDINARY HIGH WATER LEVEL							
DWY	DRIVEWAY	PC	POINT OF CURVE	ACRES	ACRES					
E	EXTERNAL CURVE DISTANCE	PCC	POINT OF COMPOUND CURVE	CF	CUBIC FEET					
ELEC	ELECTRIC	PE	PERMANENT EASEMENT	CV	COMPACTED VOLUME					
ELEV	ELEVATION	PED	PEDESTRIAN, PEDESTAL	CY	CUBIC YARD					
EOF	EMERGENCY OVERFLOW	PERF	PERFORATED PIPE	EA	EACH					
ER	END RADIUS	PERM	PERMANENT	EV	EXCAVATED VOLUME					
ESMT	EASEMENT	PI	POINT OF INTERSECTION	LB	POUND					
EX	EXISTING	PL	PROPERTY LINE	LF	LINEAR FEET					
FES	FLARED END SECTION	PRC	POINT OF REVERSE CURVE	LS	LUMP SUM					
F-F	FACE TO FACE	PT	POINT OF TANGENT	LV	LOOSE VOLUME					
FF	FINISHED FLOOR	PVC	POLYVINYL CHLORIDE PIPE	SF	SQUARE FEET					
F&I	FURNISH AND INSTALL	PVMT	PAVEMENT	SV	STOCKPILE VOLUME					
FM	FORCEMAIN	R	RADIUS	SY	SQUARE YARD					
FO	FIBER OPTIC	R/W	RIGHT-OF-WAY							
F.O.	FIELD ORDER	RCP	REINFORCED CONCRETE PIPE							
GRAN	GRANULAR	RET	RETAINING							

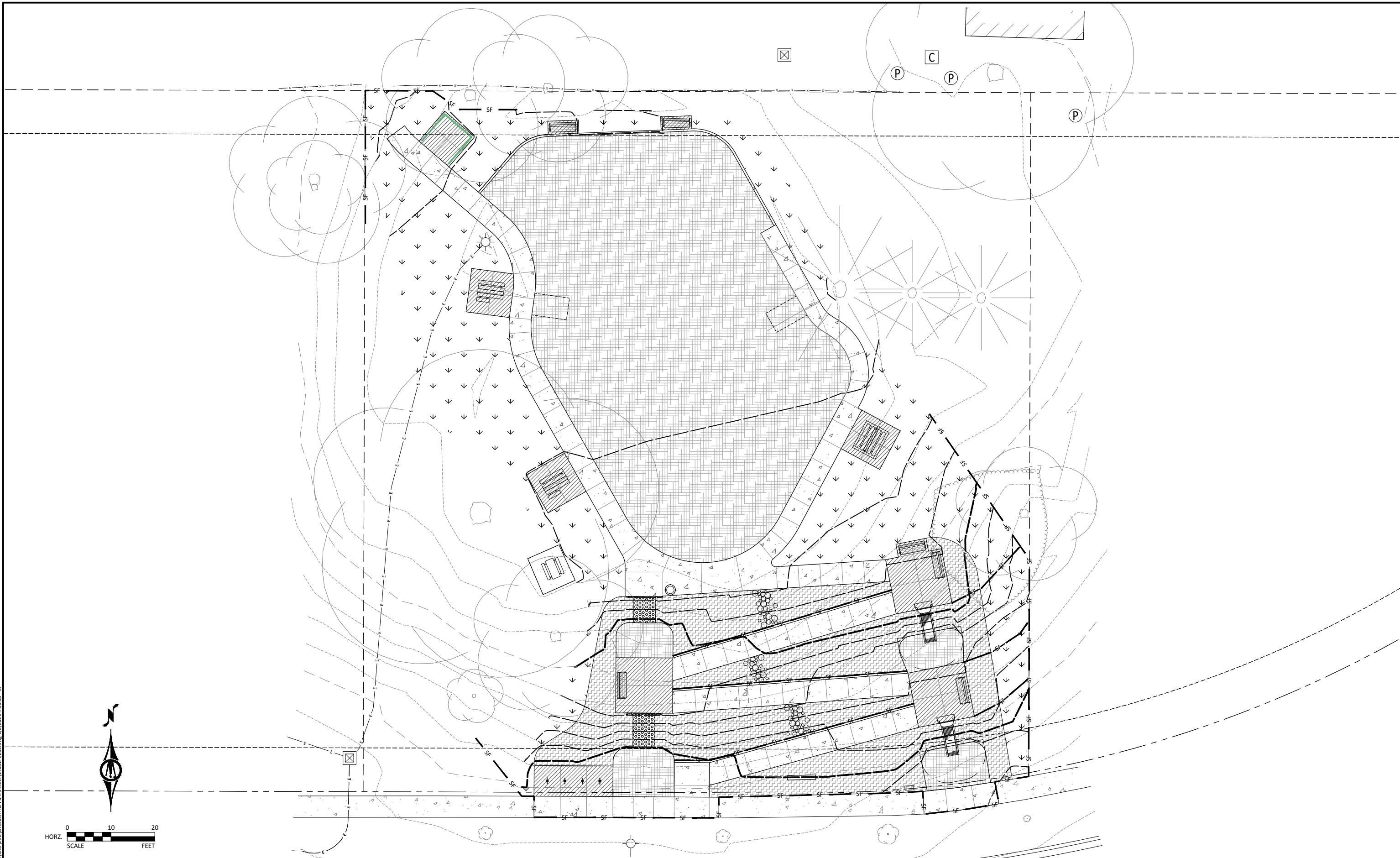
CONSTRUCTION NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DISTURBANCE TO WORK OUTSIDE OF CONTRACTED AREA AND SHALL REPAIR TO ORIGINAL CONDITION AT NO ADDITIONAL COST.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY SALVAGED OR PROTECTED ITEM THAT IS DAMAGED/DISTURBED AT NO ADDITIONAL COST.
3. QUANTITIES FOR BITUMINOUS & CONCRETE PAVEMENT REMOVAL ARE APPROXIMATE.
4. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
5. CONTRACTOR SHALL COORDINATE WITH PUBLIC WORKS DEPARTMENT AND ALL PRIVATE UTILITY SERVICES PRIOR TO EXCAVATION. NO ADDITIONAL COST OR EXTENSION SHALL BE PROVIDED FOR UTILITY COORDINATION WITH THE CITY OR PRIVATE UTILITIES.
6. REMOVALS SHALL NOT OCCUR WITHOUT AUTHORIZATION FROM ENGINEER, REMOVAL LIMITS AND ITEMS SHALL BE VERIFIED BY THE ENGINEER PRIOR TO REMOVAL.
7. ALL SALVAGED MATERIALS SHALL BE PER PLANS AND SPECIAL PROVISIONS. ALL ITEMS TO BE SALVAGED SHALL BE VERIFIED BY THE ENGINEER PRIOR TO SALVAGING. ALL SALVAGED ITEMS AND STORAGE OF SALVAGED ITEMS ARE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH THE CITY PUBLIC WORKS FOR TRANSFER AND DELIVERY OF SALVAGED MATERIALS AT NO ADDITIONAL COST OR EXTENSION TO THE CONTRACT.
8. CONTRACTOR IS RESPONSIBLE TO KEEP ALL REMOVED SIGNS, POLES, FIXTURES, FURNITURE IN GOOD CONDITION.









I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

JONATHAN D. NELSEN  
LIC. NO. 53433  
DATE MM/DD/YYYY



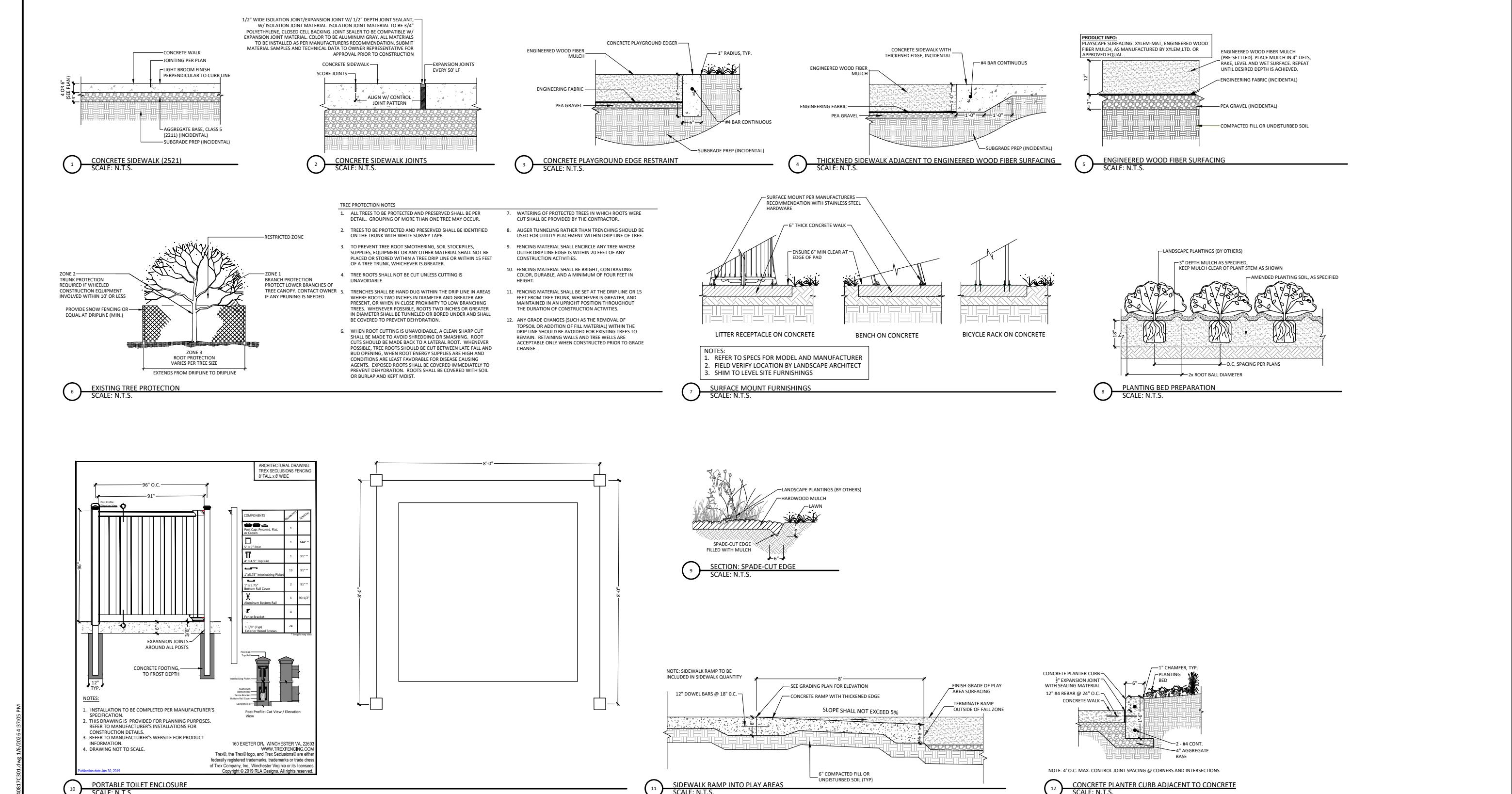
12224 NICOLLET AVENUE  
BURNSVILLE, MN 55337  
Phone: (952) 890-0509  
Email: Burnsville@bolton-menk.com  
www.bolton-menk.com

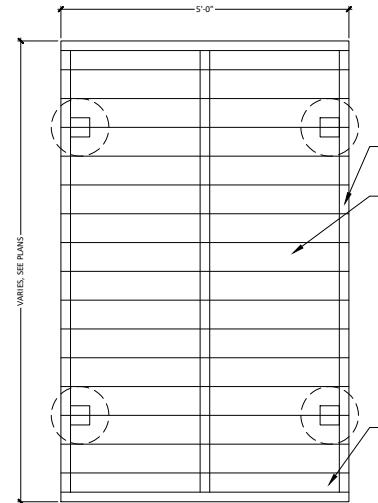
DESIGNED	JDN	NO.	ISSUED FOR	DATE
DRAWN	CRT			
CHECKED	JDN			
CLIENT PROJ. NO.	25X140817000			

NORTHFIELD, MINNESOTA  
DRESDEN HILL PARK SITE IMPROVEMENTS

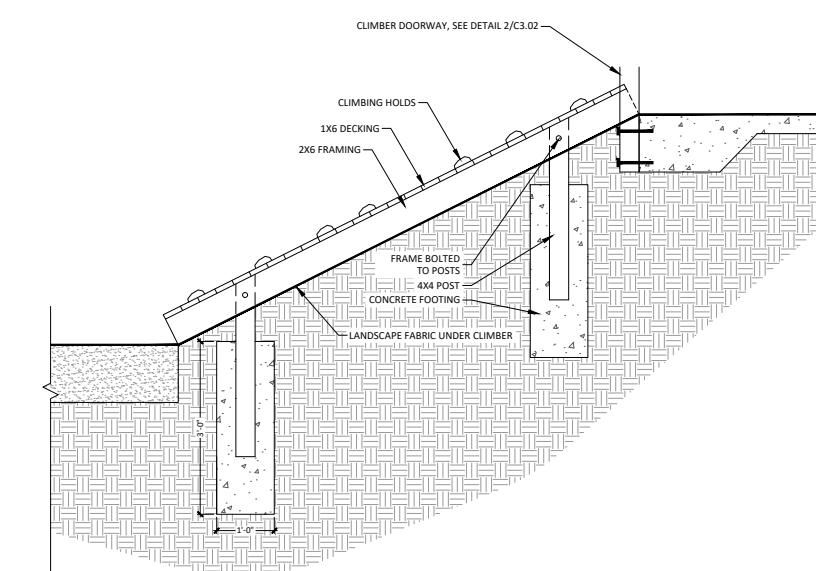
EROSION CONTROL & TURF ESTABLISHMENT PLAN

SHEET  
C2.02

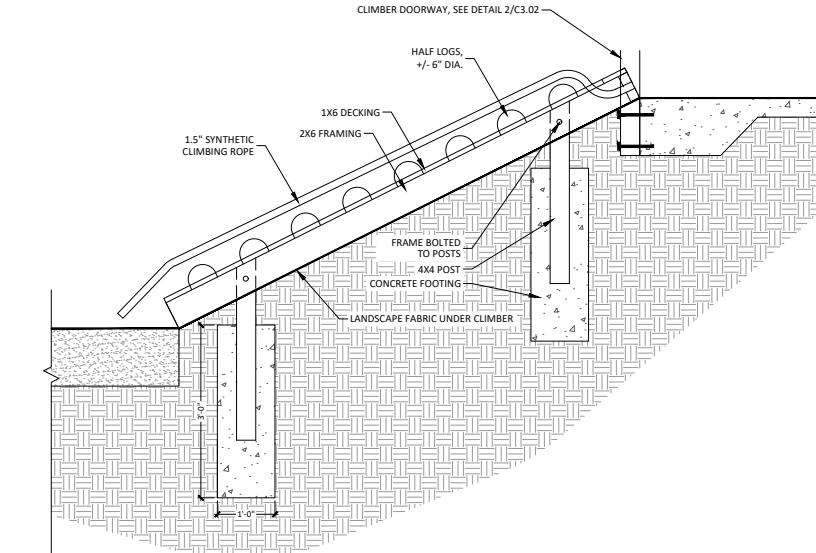




#### CLIMBER TYPE B: CLIMBING HOL



#### CLIMBER TYPE A: ROPE AND LOG



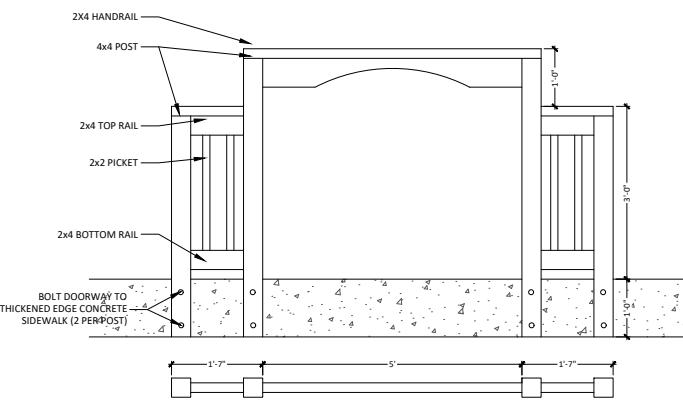
## IMAGERY FOR REFERENCE



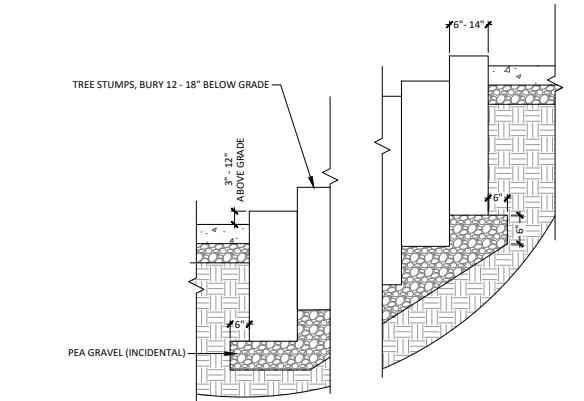
1 CLIMBERS  
SCALE: N.T.S.



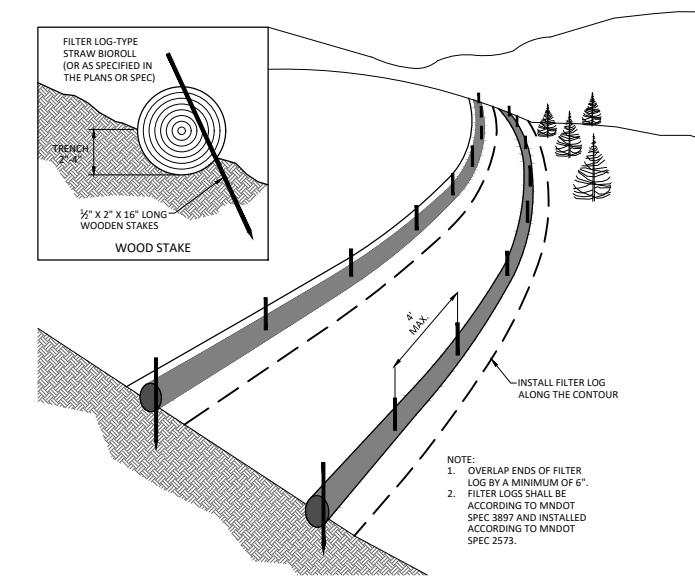
## IMAGERY FOR REFEREN



2 CLIMBER DOORWAY FEATURE  
SCALE: N.T.S.



3 STUMP STEP  
SCALE: N.T.S.



**PERIMETER PROTECTION-FILTER LOG**