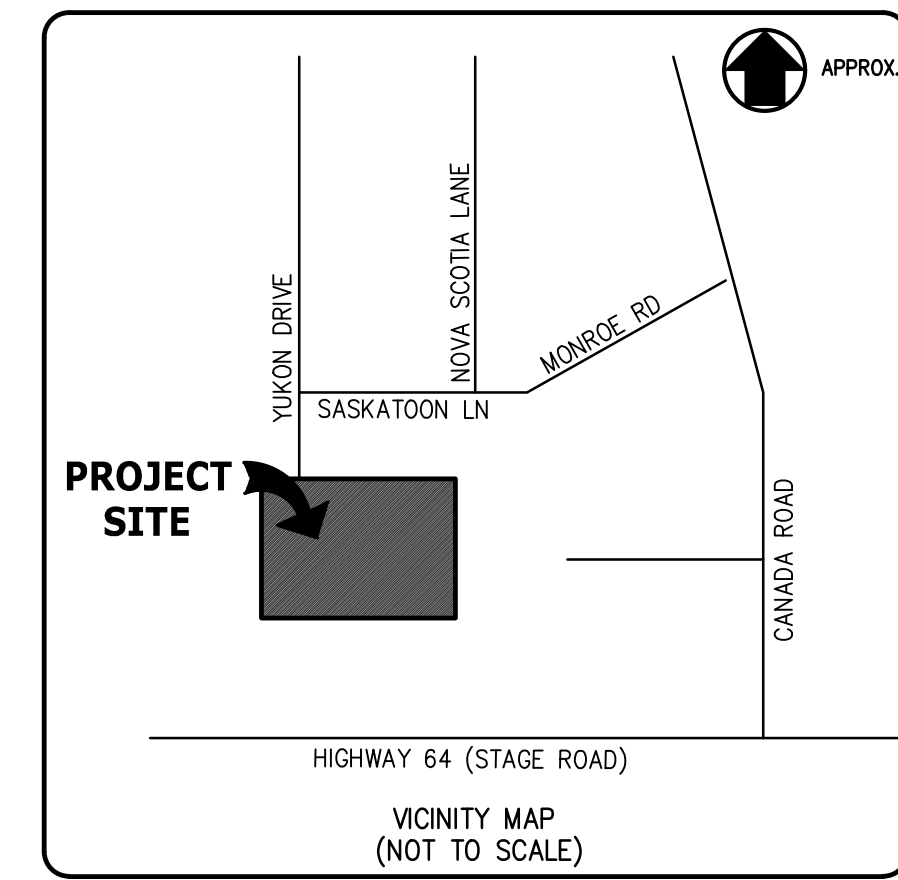


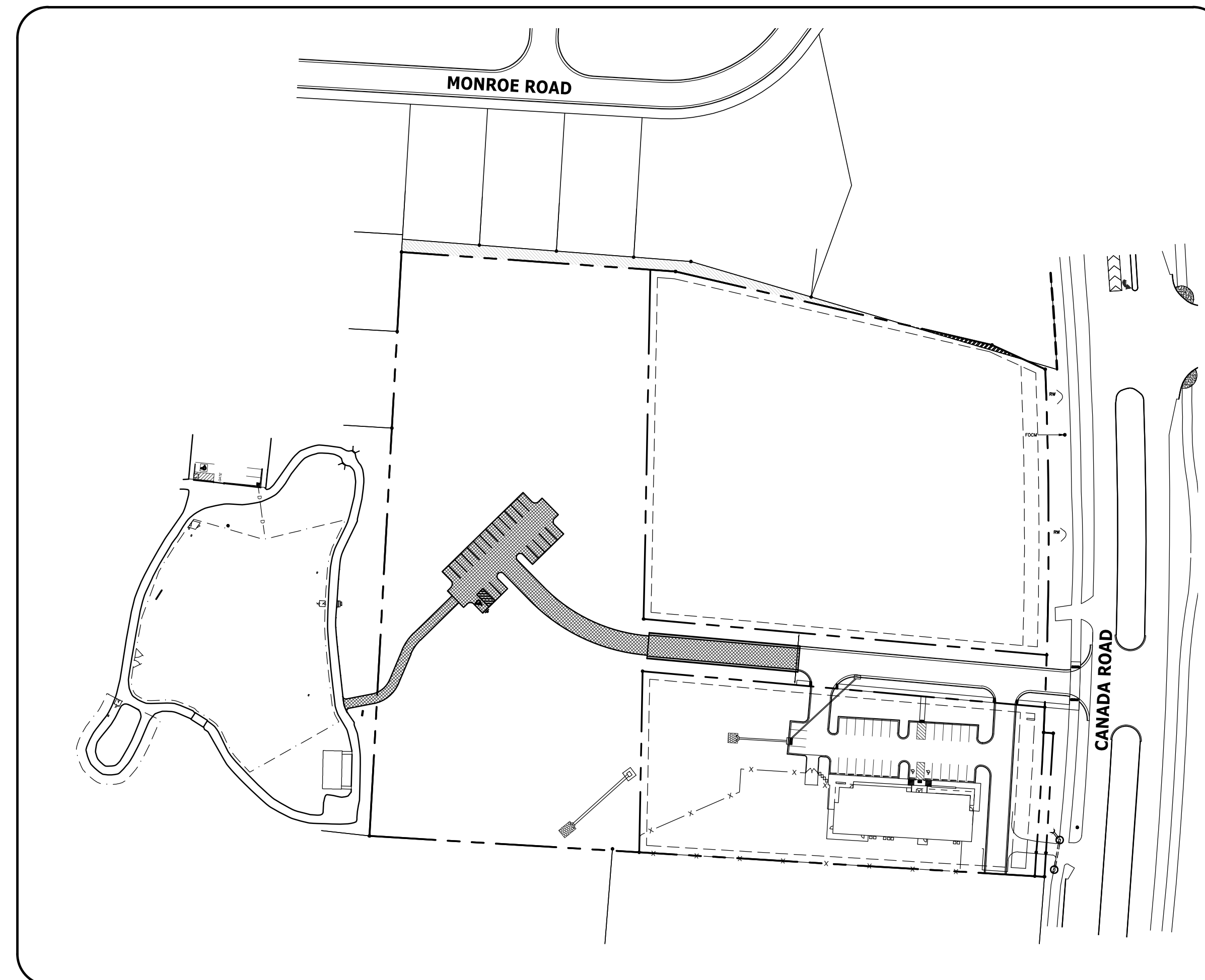
LAKELAND DOG PARK ACCESS ROAD AND LOT

LAKELAND, TENNESSEE 38002



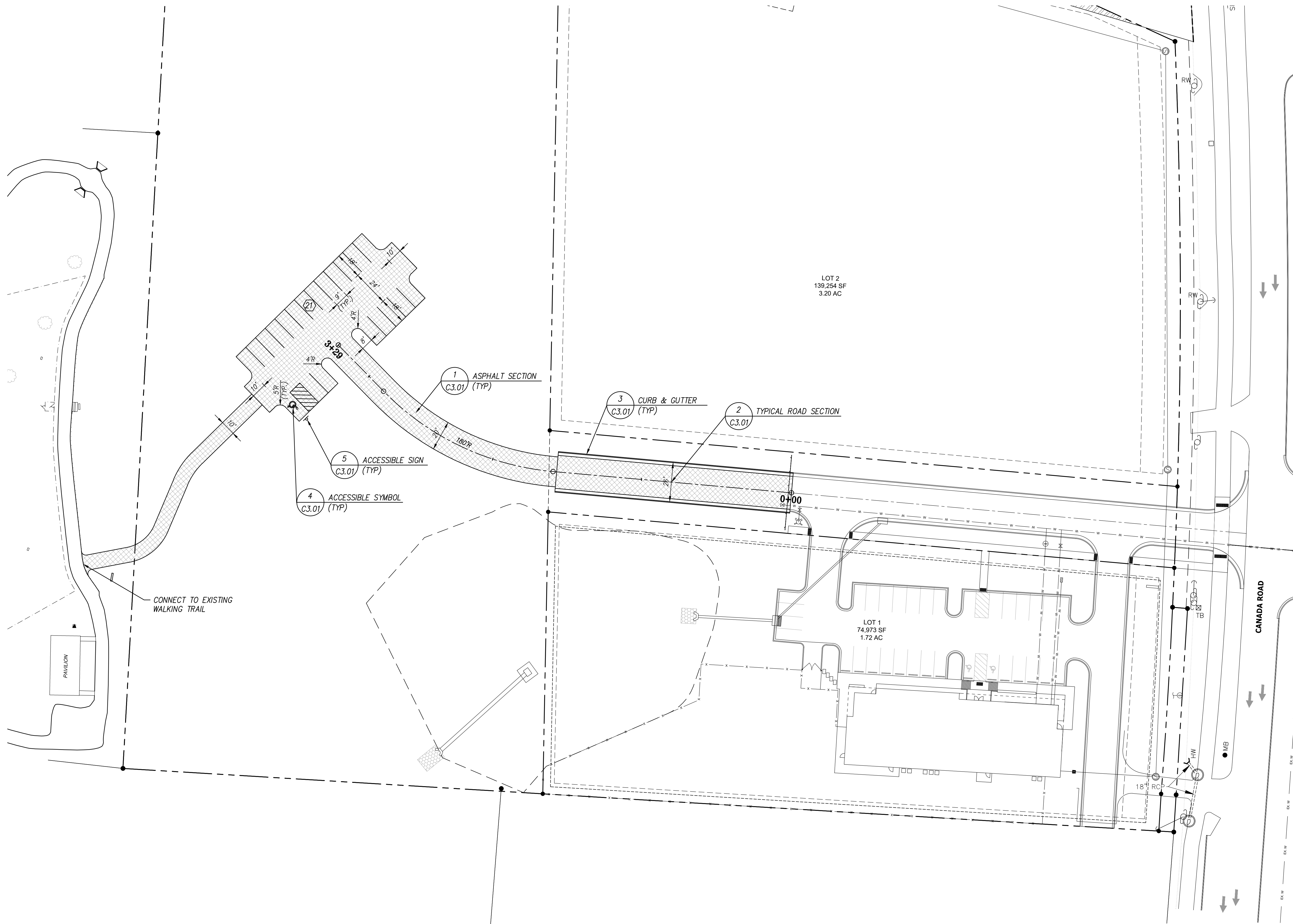
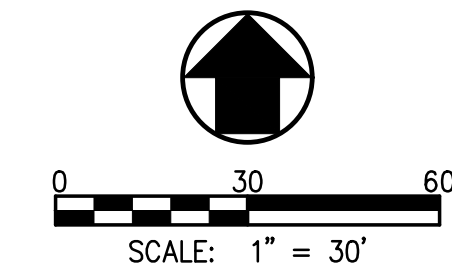
DRAWING INDEX

- C0.01 COVER SHEET
- C1.01 SITE LAYOUT PLAN
- C2.01 SITE GRADING AND DRAINAGE PLAN
- C2.02 ROADWAY PROFILE
- C3.01 SITE DETAILS
- C4.01 LIGHTING LAYOUT PLAN
- C4.02 WIRING DIAGRAMS
- C4.03 WIRING DIAGRAMS
- C5.01 DOG PARK PLAN



LOCATION MAP
N.T.S.

REVISIONS	DATE								
CANNON & CANNON INC <small>CONSULTING ENGINEERS · FIELD SURVEYORS</small>									
<small>TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919</small>									
CLIENT: CITY OF LAKELAND 10001 HIGHWAY 70 LAKELAND, TN 38002									
PROJECT: LAKELAND DOG PARK ACCESS ROAD AND LOT ACCESS TO NEW DOG PARK FROM CANADA ROAD LAKELAND, TN 38002									
COVER SHEET									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">CCI PROJECT NO. 01466-0000</td> </tr> <tr> <td colspan="2">DRAWING DATE JULY 24, 2020</td> </tr> <tr> <td>PM WIG</td> <td>PIC -</td> </tr> <tr> <td>DRAWN CIO</td> <td>CHECKED -</td> </tr> </table>	CCI PROJECT NO. 01466-0000		DRAWING DATE JULY 24, 2020		PM WIG	PIC -	DRAWN CIO	CHECKED -	C0.01
CCI PROJECT NO. 01466-0000									
DRAWING DATE JULY 24, 2020									
PM WIG	PIC -								
DRAWN CIO	CHECKED -								



- NOTES:**
1. THE BOUNDARY AND TOPOGRAPHIC DATA SHOWN WAS TAKEN FROM THE PET HOSPITALS OF LAKELAND DESIGN PLANS, INC. DATED APRIL 13, 2017.
 2. UNLESS NOTED OTHERWISE, DIMENSIONS ARE TAKEN FROM OUTSIDE FACE OF BUILDING AND/OR FACE OF CURB.
 3. THE MINERAL AGGREGATE BASE AND ASPHALTIC SURFACE COURSES SHALL MEET THE MATERIALS, EQUIPMENT, CONSTRUCTION, AND TESTING REQUIREMENTS OF THESE DRAWINGS, AND THE CITY OF LAKELAND STANDARD SPECIFICATIONS.
 4. PROPERTY CONCERNED REFLECTS PARCELS ---- AS SHOWN ON COUNTY CLT TAX MAP NO. ----. ZONING FOR THE PROPERTY IS ----. TOTAL AREA IS 4.24± ACRES. THE TOTAL DISTURBED AREA IS APPROXIMATELY 0.87± ACRES.
 5. TRAFFIC CONTROL DEVICES AND PAVEMENT MARKING SHALL CONFORM TO THE FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
 6. ALL SETBACKS SHALL BE IN ACCORDANCE WITH THE CITY OF LAKELAND ZONING ORDINANCE.
 7. OWNER: CITY OF LAKELAND
CANADA ROAD
LAKELAND, TN 38002
 8. PERIMETER SLOPES SHALL BE LANDSCAPED AND ARE NOT TO EXCEED 2:1 (H:V) UNLESS PROPER STABILIZATION IS PROPOSED BY A GEOTECHNICAL ENGINEER.
 9. PROPOSED LANDSCAPE WILL COMPLY WITH THE CITY OF LAKELAND TREE PROTECTION ORDINANCE.

LEGEND

	ASPHALT PAVEMENT
	EXIST. PROPERTY LINE
	EXIST. EASEMENT LINE
	DETAIL REFERENCE (DETAIL NO./SHEET NO.)
	NUMBER OF PARKING SPACES
	HANDICAP PARKING

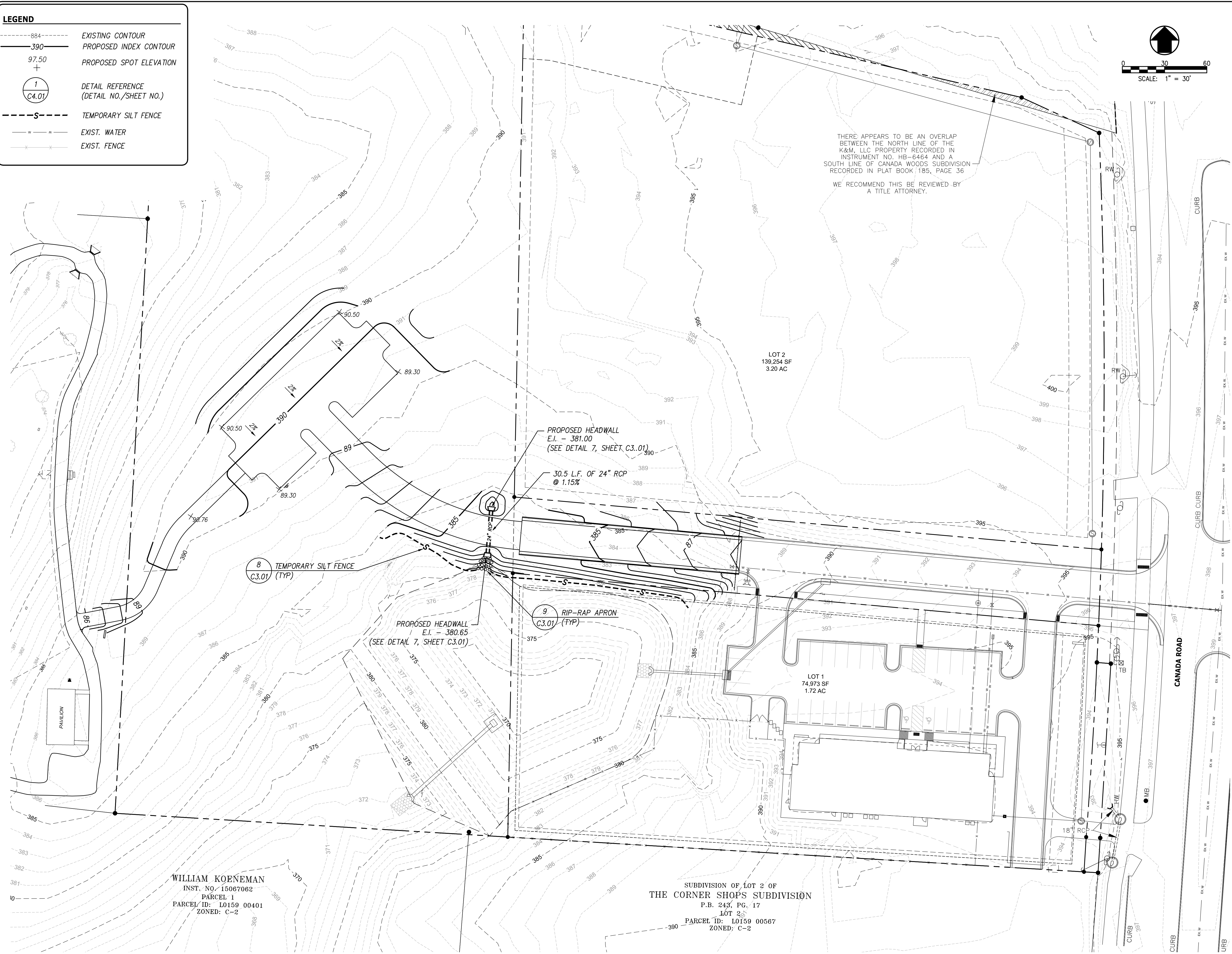
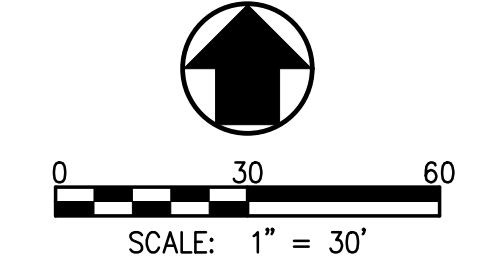
REVISIONS	DATE
CANNON & CANNON INC CONSULTING ENGINEERS · FIELD SURVEYORS TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919	
CLIENT: CITY OF LAKELAND 10001 HIGHWAY 70 LAKELAND, TN 38002	
PROJECT: LAKELAND DOG PARK ACCESS ROAD AND LOT ACCESS TO NEW DOG PARK FROM CANADA ROAD LAKELAND, TN 38002	

SITE LAYOUT PLAN

	CCI PROJECT NO.	01466-0000
	DRAWING DATE	JULY 24, 2020
	PM	WIG PIC -
	DRAWN	CIO CHECKED -
C1.01		

LEGEND

- 884 --- EXISTING CONTOUR
- 390 --- PROPOSED INDEX CONTOUR
- 97.50 + PROPOSED SPOT ELEVATION
- ⊙ 1 / C4.01 DETAIL REFERENCE (DETAIL NO./SHEET NO.)
- S- TEMPORARY SILT FENCE
- W --- M --- EXIST. WATER
- F --- EXIST. FENCE



NOTES:

1. THE BOUNDARY AND TOPOGRAPHIC DATA SHOWN WAS TAKEN FROM THE PET HOSPITALS OF LAKELAND DESIGN PLANS, INC. DATED APRIL 13, 2017.
2. THE DISTURBED AREA IS APPROXIMATELY 0.87± ACRES. THE TOTAL SITE AREA IS APPROXIMATELY 4.24± ACRES.
3. UNLESS NOTED OTHERWISE, THE PROPOSED GRADES SHOWN ON THESE DRAWINGS ARE FINISH GRADE. EXISTING AND PROPOSED CONTOURS ARE SHOWN AT 1 FT. INTERVALS.
4. EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK. THE DEVICES SHOWN ON THE DRAWINGS ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL DEVICES AS NEEDED.
5. THE SITE SHALL BE CLEARED AND GRUBBED WITHIN THE LIMITS OF EXCAVATION. COMPLETELY DISPOSE OF ALL MATERIALS RESULTING FROM CLEARING AND GRUBBING OFF-SITE OR ON-SITE AT A LOCATION DETERMINED BY THE OWNER.
6. ALL TREE STUMPS, BOULDERS, AND OTHER OBSTRUCTIONS SHALL BE REMOVED TO A DEPTH OF 2 FT BELOW THE SUBGRADE. ROCK SHALL BE SCARIFIED TO A DEPTH OF 1 FT BELOW SUBGRADE.
7. STRIP TOPSOIL TO A MINIMUM DEPTH OF 8-IN. AND TEMPORARILY STOCKPILE EXCAVATED MATERIALS. INSTALL SILT FENCE OR OTHER APPROPRIATE EROSION CONTROL STRUCTURES ON THE DOWN HILL SIDE OF THE STOCKPILE.
8. A 4 IN. (MIN) LAYER OF TOPSOIL SHALL BE PLACED OVER THE AREAS TO BE SEEDED AND TO THE FINISH GRADE ELEVATIONS AS SHOWN ON THE DRAWINGS.
9. ALL NEWLY GRADED EARTHEN AREAS THAT ARE NOT TO BE PAVED, STABILIZED, OR SODDED SHALL BE SEED, FERTILIZED, AND MULCHED WITHIN 30 DAYS OF ATTAINMENT OF FINAL GRADE.
11. TEMPORARY SEEDING MIXTURES SHALL BE AS FOLLOWS:

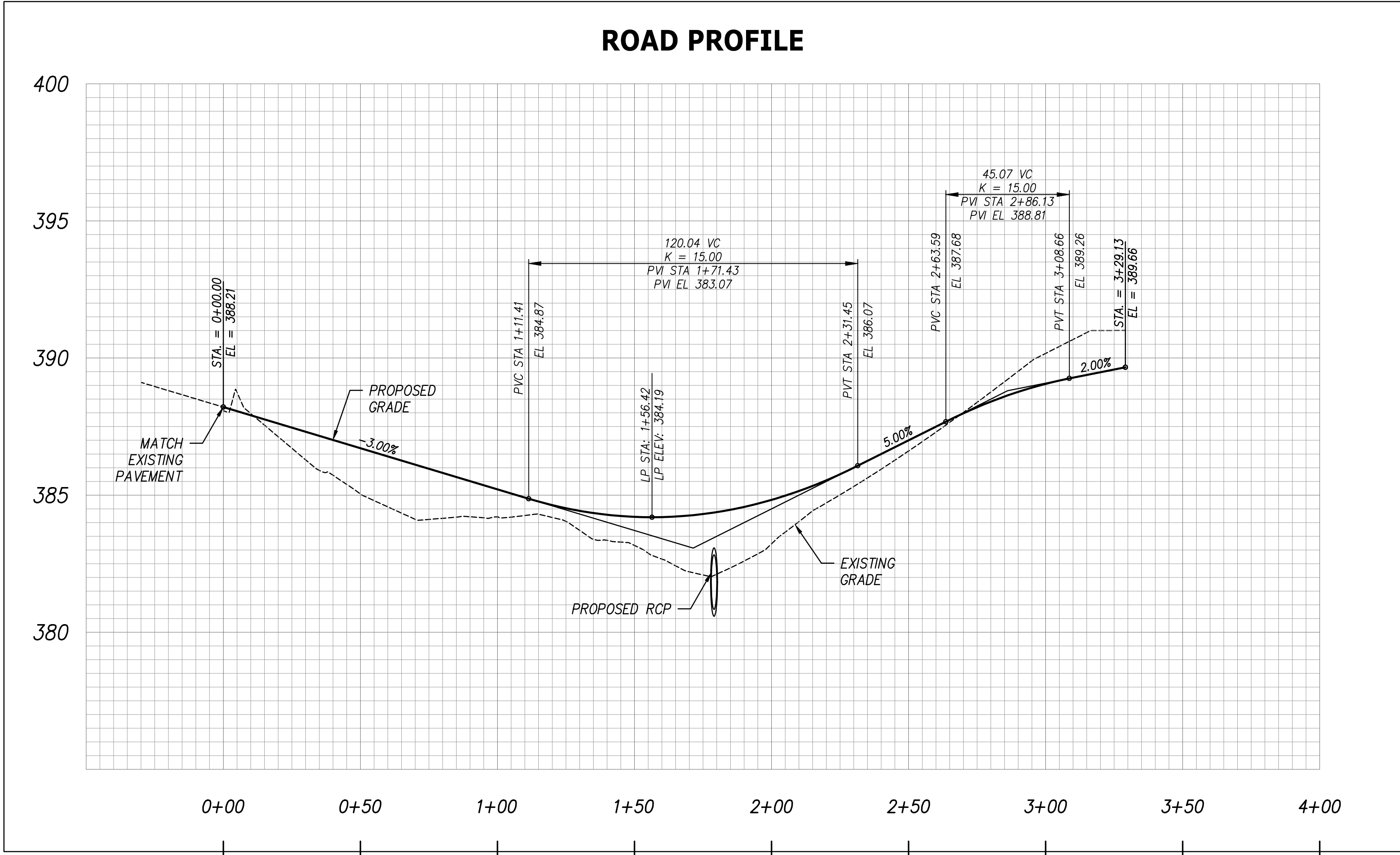
SEEDING DATES	GRASS SEED	PERCENTAGES
1/1 TO 5/1	ITALIAN RYE	33%
	KOREAN LESPEDEZA	33%
	SUMMER OATS	34%
5/1 TO 7/15	SUDAN - SORGHUM	100%
	STAR MILLET	67%
7/15 TO 1/1	BALBOA RYE	33%
	ITALIAN RYE	33%
12. PERMANENT SEEDING MIXTURES SHALL BE AS FOLLOWS:

SEEDING DATES	GRASS SEED	PERCENTAGES
2/1 TO 7/1	KENTUCKY 31 FESCUE	80%
	KOREAN LESPEDEZA	15%
	ENGLISH RYE	5%
6/1 TO 8/15	KENTUCKY 31 FESCUE	55%
	ENGLISH RYE	20%
	KOREAN LESPEDEZA	15%
	GERMAN MILLET	10%
4/15 TO 8/15	BERMUDAGRASS (HULLED)	70%
	ANNUAL LESPEDEZA	30%
	8/1 TO 12/1	KENTUCKY 31 FESCUE
	ENGLISH RYE	20%
	WHITE CLOVER	10%
2/1 TO 12/1	KENTUCKY 31 FESCUE	70%
	CROWN VETCH	25%
	ENGLISH RYE	5%
13. MULCH WITH STRAW AT A RATE OF 100 LBS./1000 S.F. OVER THE SEEDED AREAS.
14. DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS OR POND ON-SITE. PROVIDE NECESSARY MEASURES TO KEEP THE SITE FREE-DRAINING.
15. NO SLOPE SHALL EXCEED 2:1 (H:V). ALL SLOPES STEEPER THAN 3:1 TO RECEIVE EXTENDED TERM EROSION CONTROL BLANKET.
16. TO PREVENT EROSION, ALL SLOPES 2:1 OR GREATER ARE TO BE TRACKED WITH A DOZER TO FORM CLEAT MARKS PARALLEL TO THE CONTOUR.
17. APPLY TEMPORARY SEEDING WHENEVER GRADING OPERATIONS ARE HALTED FOR OVER 14 DAYS AND FINAL GRADING OF EXPOSED SURFACE IS TO BE COMPLETED WITHIN ONE YEAR. APPLY TEMPORARY SEEDING TO ALL SOIL STOCKPILES.
18. APPLY PERMANENT SEEDING WHENEVER GRADING OPERATIONS ARE COMPLETED AND ALL CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. APPLY PERMANENT SEEDING TO ALL NON-CONSTRUCTION AREAS WHICH SHOW SIGNS OF EXCESSIVE EROSION.

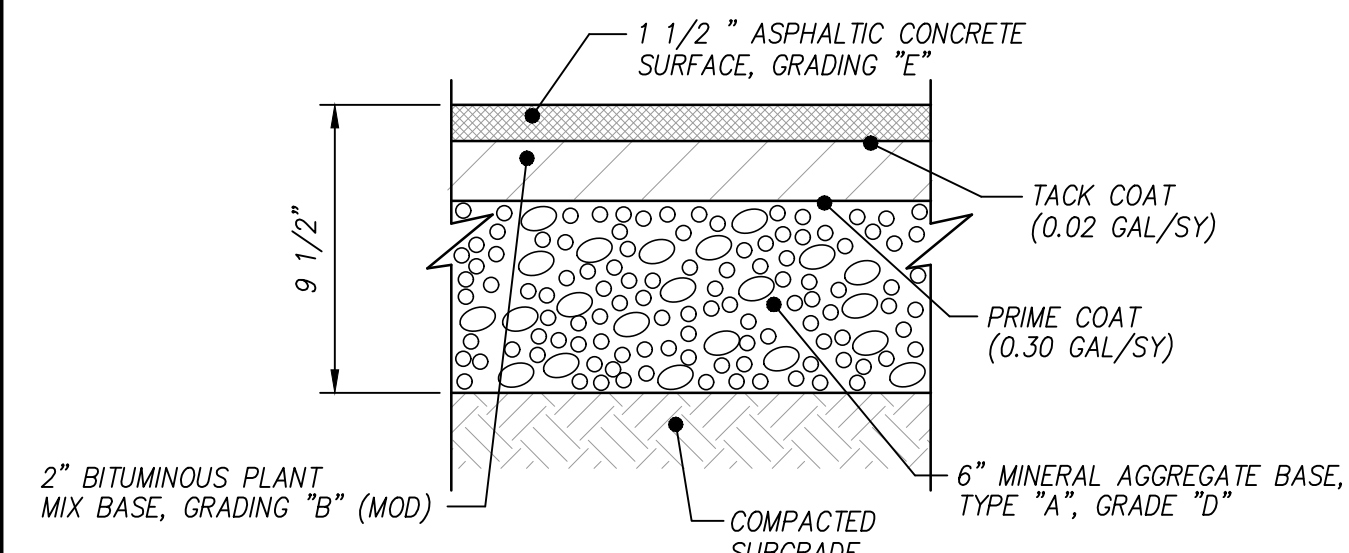
<p>REVISIONS</p>	<p>DATE</p>								
<p>CANNON & CANNON INC CONSULTING ENGINEERS - FIELD SURVEYORS</p> <p>TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919</p>									
<p>CLIENT: CITY OF LAKELAND 10001 HIGHWAY 70 LAKELAND, TN 38002</p>									
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<p>SITE GRADING AND DRAINAGE PLAN</p>									
	<p>CCI PROJECT NO. 01466-0000</p> <p>DRAWING DATE JULY 24, 2020</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>PM</td> <td>WG</td> <td>PIC</td> <td>-</td> </tr> <tr> <td>DRAWN</td> <td>CIO</td> <td>CHECKED</td> <td>-</td> </tr> </table>	PM	WG	PIC	-	DRAWN	CIO	CHECKED	-
PM	WG	PIC	-						
DRAWN	CIO	CHECKED	-						
<p>C2.01</p>									

WILLIAM KOENEMAN
INST. NO. 15067062
PARCEL 1
PARCEL ID: L0159 00401
ZONED: C-2

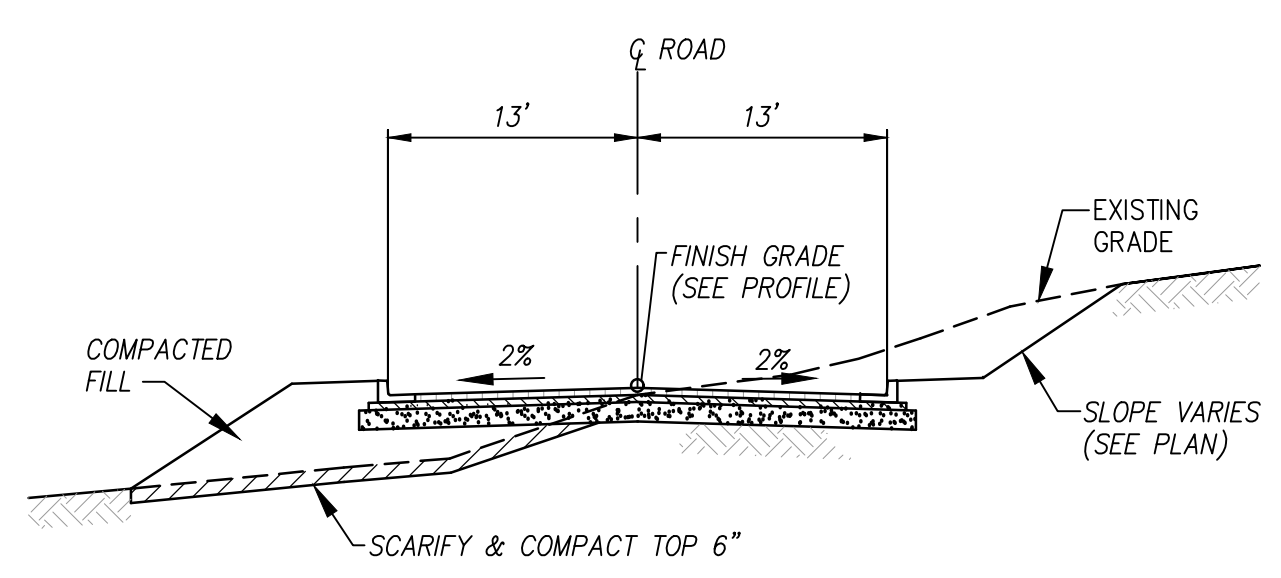
SUBDIVISION OF LOT 2 OF
THE CORNER SHOPS SUBDIVISION
P.B. 243, PG. 17
LOT 2
PARCEL ID: L0159 00567
ZONED: C-2



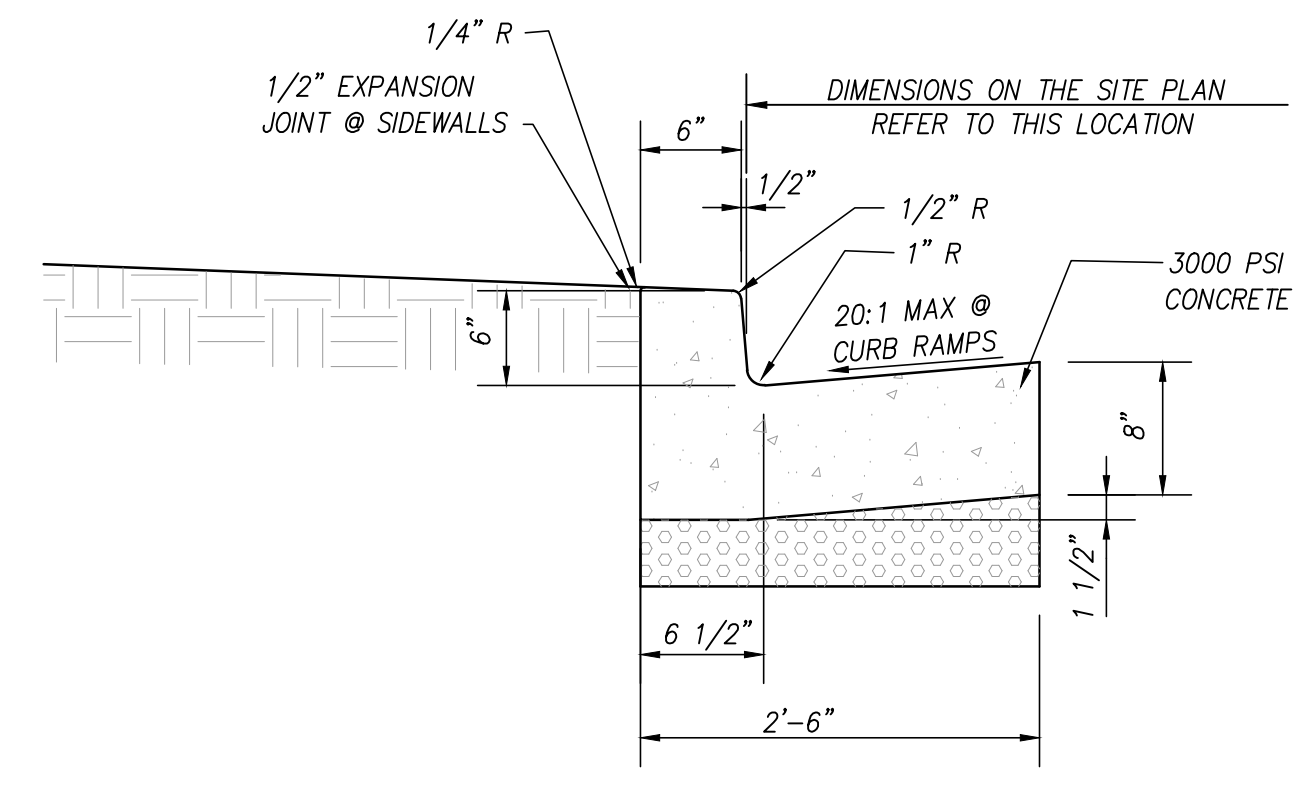
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LAKELAND DOG PARK ACCESS ROAD AND LOT ACCESS TO NEW DOG PARK FROM CANADA ROAD LAKELAND, TN 38002		
ROADWAY PROFILE		
	CCI PROJECT NO.	01466-0000
	DRAWING DATE	JULY 24, 2020
	PM	WG PIC -
	DRAWN	CIO CHECKED -
C2.02		



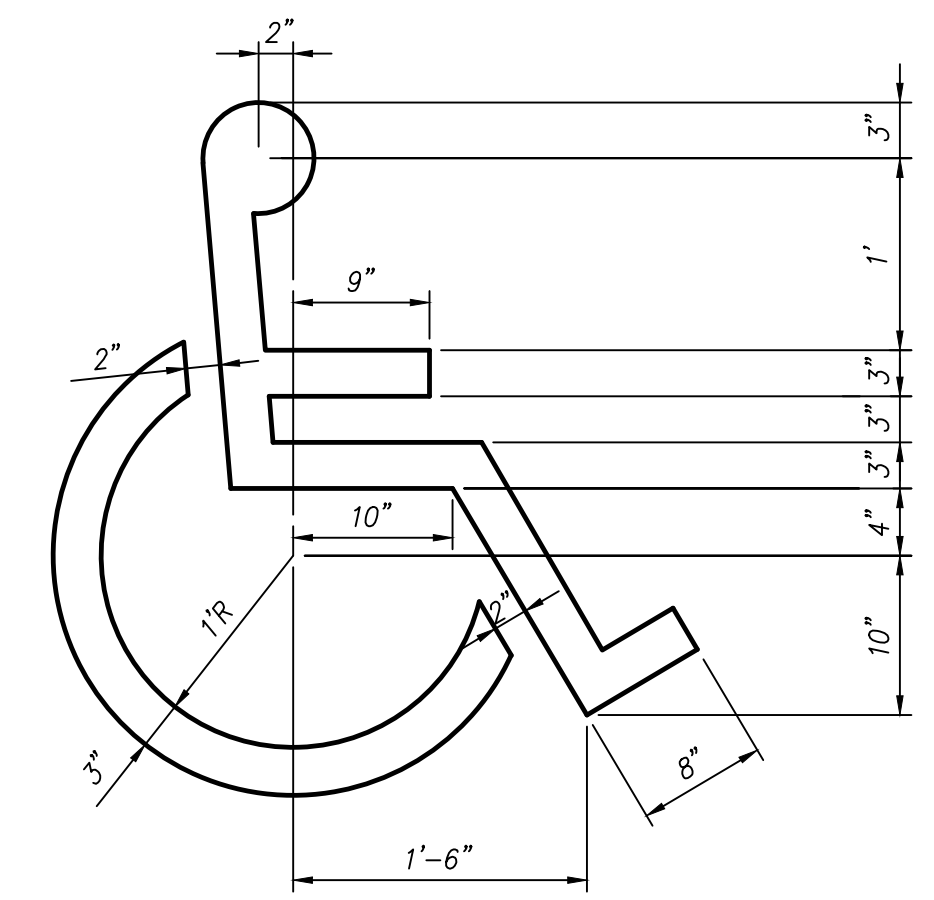
1 LIGHT DUTY ASPHALT SECTION
C1.01 N.T.S.



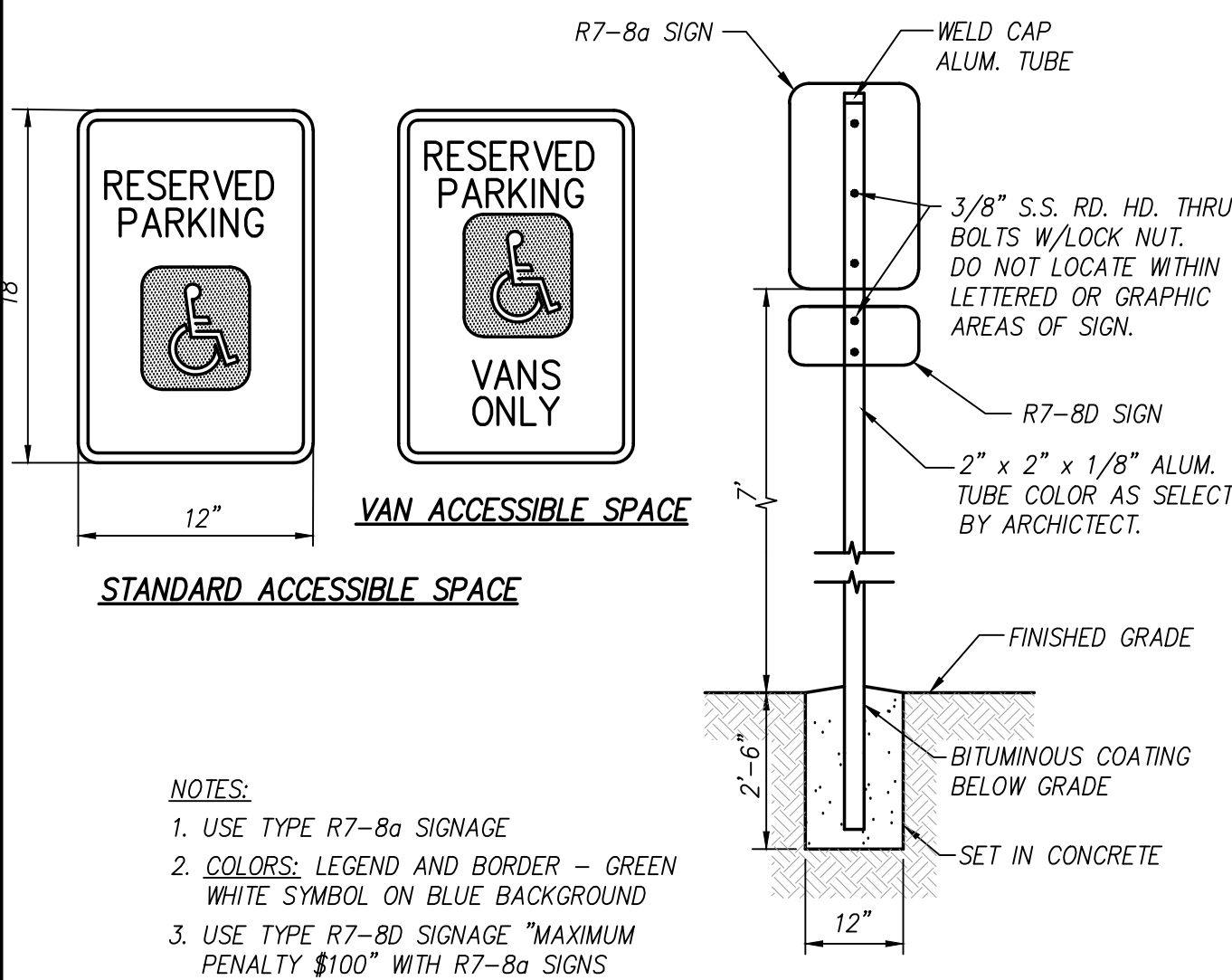
2 TYPICAL ROAD SECTION
C1.01 N.T.S.



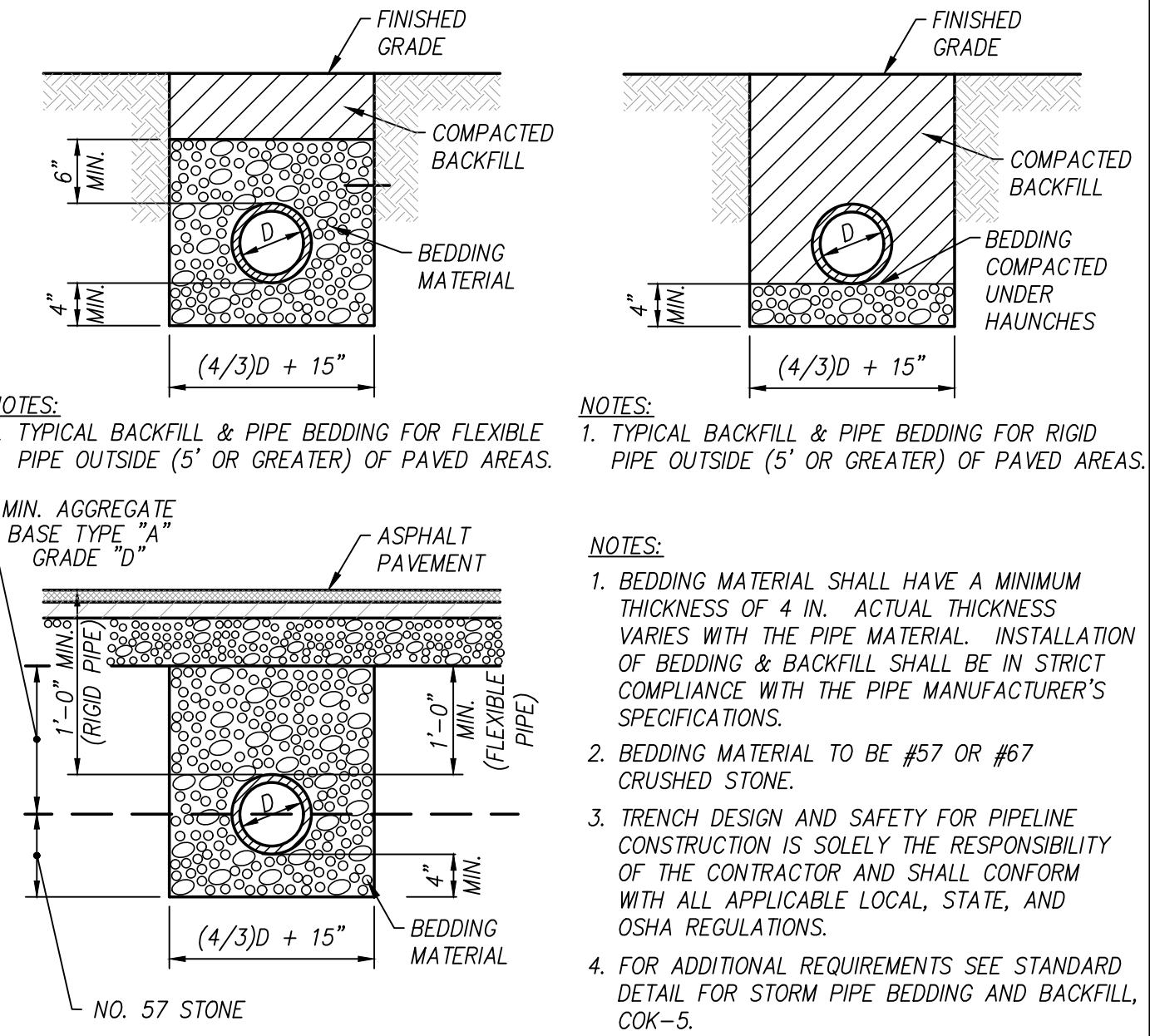
3 CURB AND GUTTER
C1.01 N.T.S.



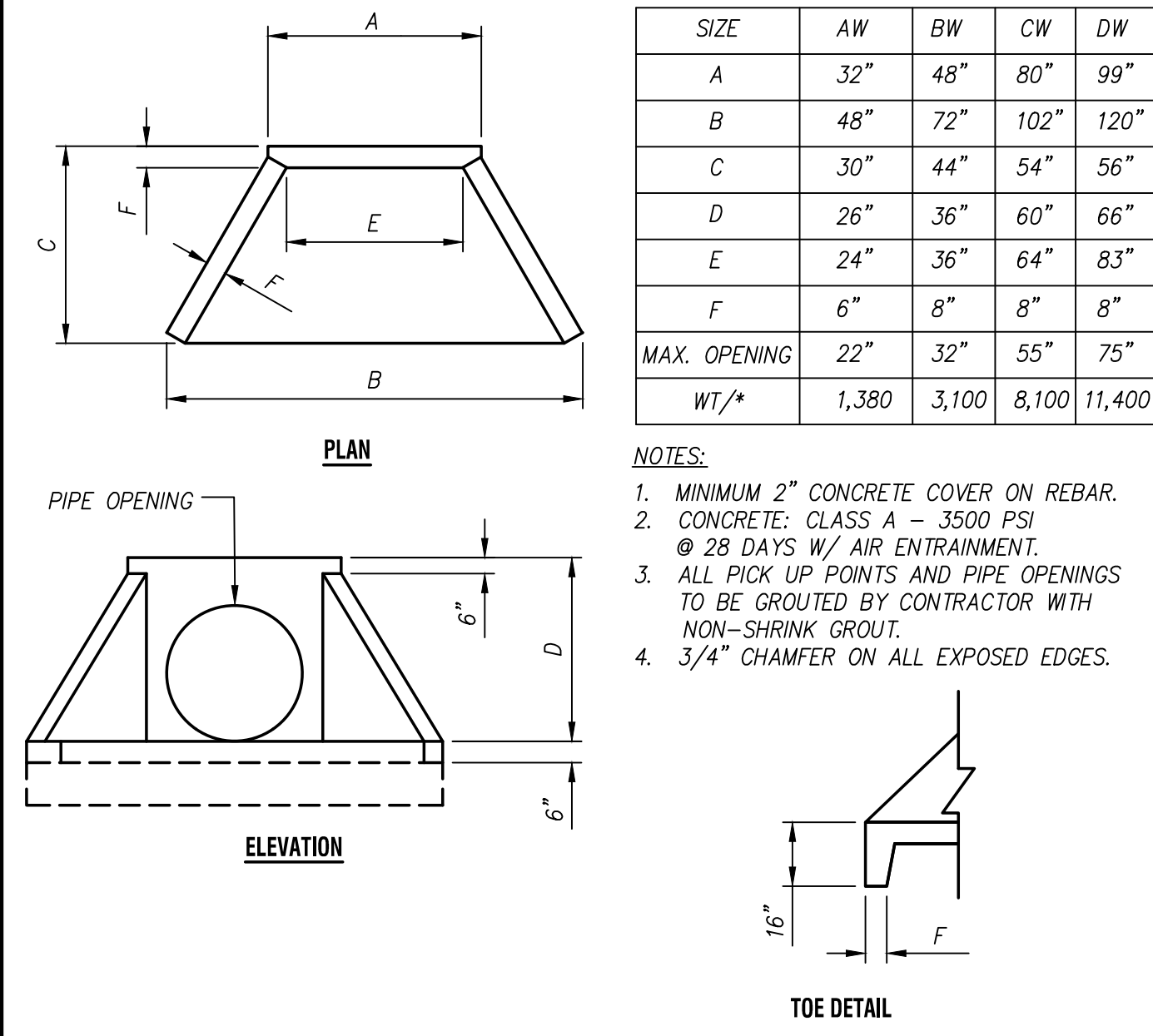
4 ACCESSIBLE SYMBOL
C1.01 N.T.S.



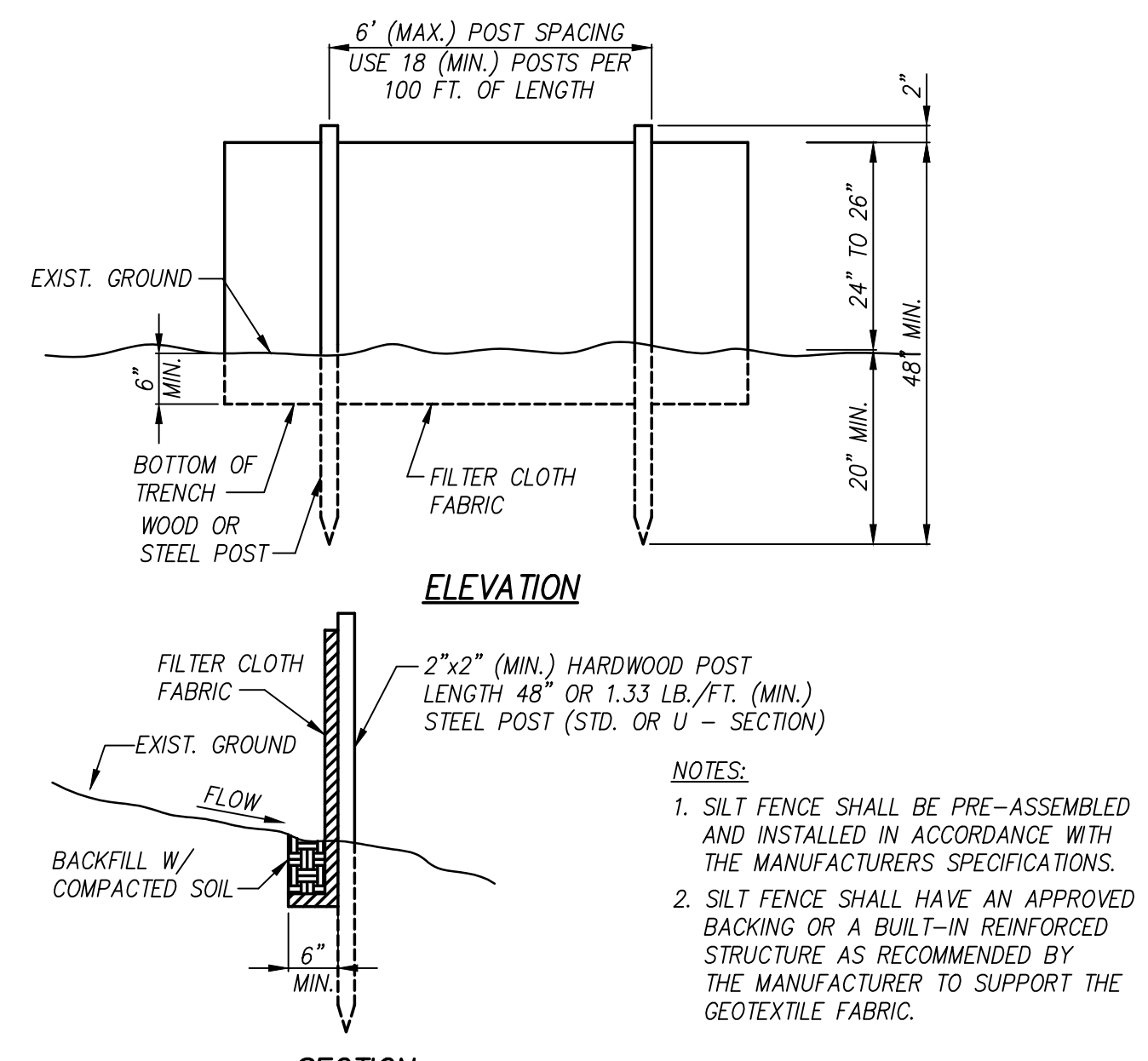
5 ACCESSIBLE PARKING SIGN
C1.01 N.T.S.



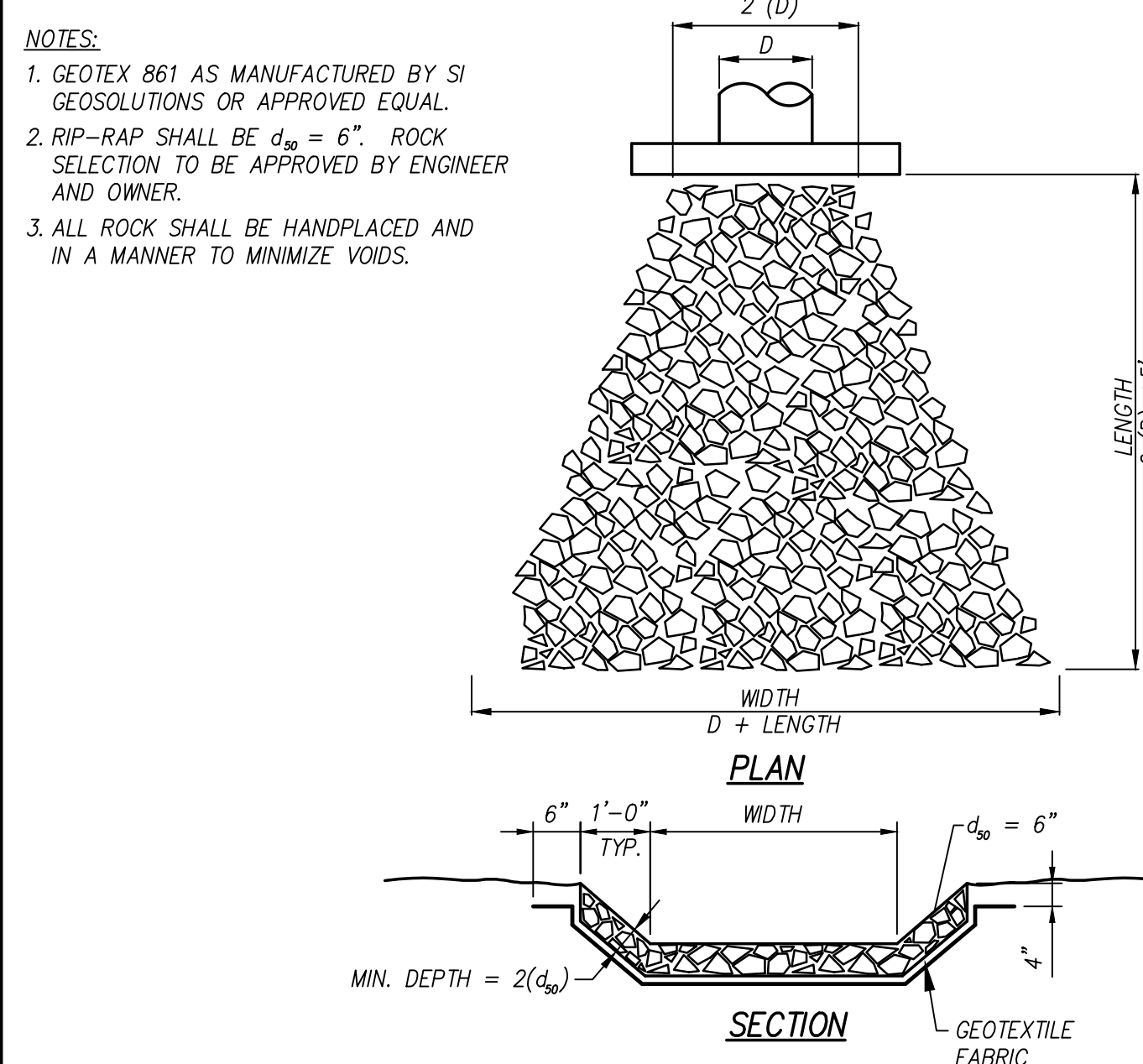
6 PIPE BEDDING & BACKFILL
C2.01 N.T.S.



7 PRECAST CONCRETE HEADWALL
C2.01 N.T.S.



8 TEMPORARY SILT FENCE
C2.01 N.T.S.



9 RIP-RAP APRON
C2.01 N.T.S.

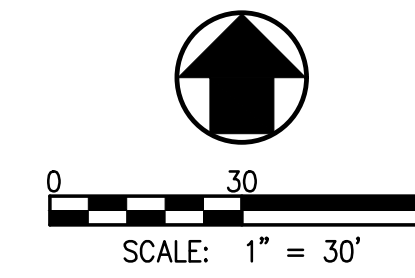
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CANNON & CANNON INC CONSULTING ENGINEERS - FIELD SURVEYORS	
TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919	
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SITE DETAILS	
CCI PROJECT NO.	01466-0000
DRAWING DATE	JULY 24, 2020
PM	WIG PIC -
DRAWN	CIO CHECKED -
C3.01	

POLE DATA										
ASSEMBLY NO.	POLE TYPE	NO OF LUMINAIRES	ARM LENGTH	MOUNTING HEIGHT	COORDINATES		SERVICE TYPE	ELECT SOURCE	VOLTAGE	COMMENTS
					NORTHING	EASTING				
A-1	ALUMINUM	1	6'	25	340042.55	852981.87	UNDERGROUND	CC1	120	
A-2	ALUMINUM	1	6'	25	340125.91	852963.22	UNDERGROUND	CC1	120	
A-3	ALUMINUM	1	6'	25	340092.93	853033.31	UNDERGROUND	CC1	120	
A-4	ALUMINUM	1	6'	25	340046.10	853064.86	UNDERGROUND	CC1	120	
A-5	ALUMINUM	1	6'	25	340023.51	853155.07	UNDERGROUND	CC1	120	
A-6	ALUMINUM	1	6'	25	340013.86	853263.06	UNDERGROUND	CC1	120	
B-1	BOLLARD	N/A	N/A	N/A	339948.99	852825.09	UNDERGROUND	CC1	120	
B-2	BOLLARD	N/A	N/A	N/A	339936.07	852842.82	UNDERGROUND	CC1	120	
B-3	BOLLARD	N/A	N/A	N/A	339954.68	852853.14	UNDERGROUND	CC1	120	
B-4	BOLLARD	N/A	N/A	N/A	339950.60	852874.19	UNDERGROUND	CC1	120	
B-5	BOLLARD	N/A	N/A	N/A	339972.01	852867.79	UNDERGROUND	CC1	120	
B-6	BOLLARD	N/A	N/A	N/A	339979.56	852888.39	UNDERGROUND	CC1	120	
B-7	BOLLARD	N/A	N/A	N/A	340000.01	852879.80	UNDERGROUND	CC1	120	
B-8	BOLLARD	N/A	N/A	N/A	340003.15	852901.21	UNDERGROUND	CC1	120	
B-9	BOLLARD	N/A	N/A	N/A	340024.98	852900.58	UNDERGROUND	CC1	120	
B-10	BOLLARD	N/A	N/A	N/A	340024.04	852922.50	UNDERGROUND	CC1	120	
B-11	BOLLARD	N/A	N/A	N/A	340045.96	852922.02	UNDERGROUND	CC1	120	

LUMINAIRE SCHEDULE						
LEGEND	QUANTITY	DESCRIPTION	CATALOG NUMBER	WATTAGE	IES FILE	LLF
A	6	AMERICAN ELECTRIC LIGHTING LED LUMINAIRE	ATBM P05 MVOLT R4 BK P7 PCLL	68	ATBM_P05_XXXX_R4_4K_5K.IES	0.9
B	11	KIM LIGHTING LED BOLLARD	VRB1-15L-4K-UK-BL	19	vrbl-15l4k.ies	0.9

ILLUMINATION RESULTS					
SECTION	AVG.	MAX	MIN.	MAX/MIN	AVG/MIN
PARKING LOT	1.9 fc	3.0 fc	0.5 fc	6.0 : 1	3.6 : 1
WALKWAY	1.7 fc	2.1 fc	1.1 fc	1.9 : 1	1.5 : 1
DRIVEWAY W/ CURB & GUTTER	1.2 fc	2.2 fc	0.6 fc	3.7 : 1	2.0 : 1
DRIVEWAY W/O CURB & GUTTER	1.2 fc	2.2 fc	0.6 fc	3.7 : 1	1.9 : 1

ILLUMINATION RESULTS BASED ON LUMINAIRES SPECIFIED IN LUMINAIRE SCHEDULE.

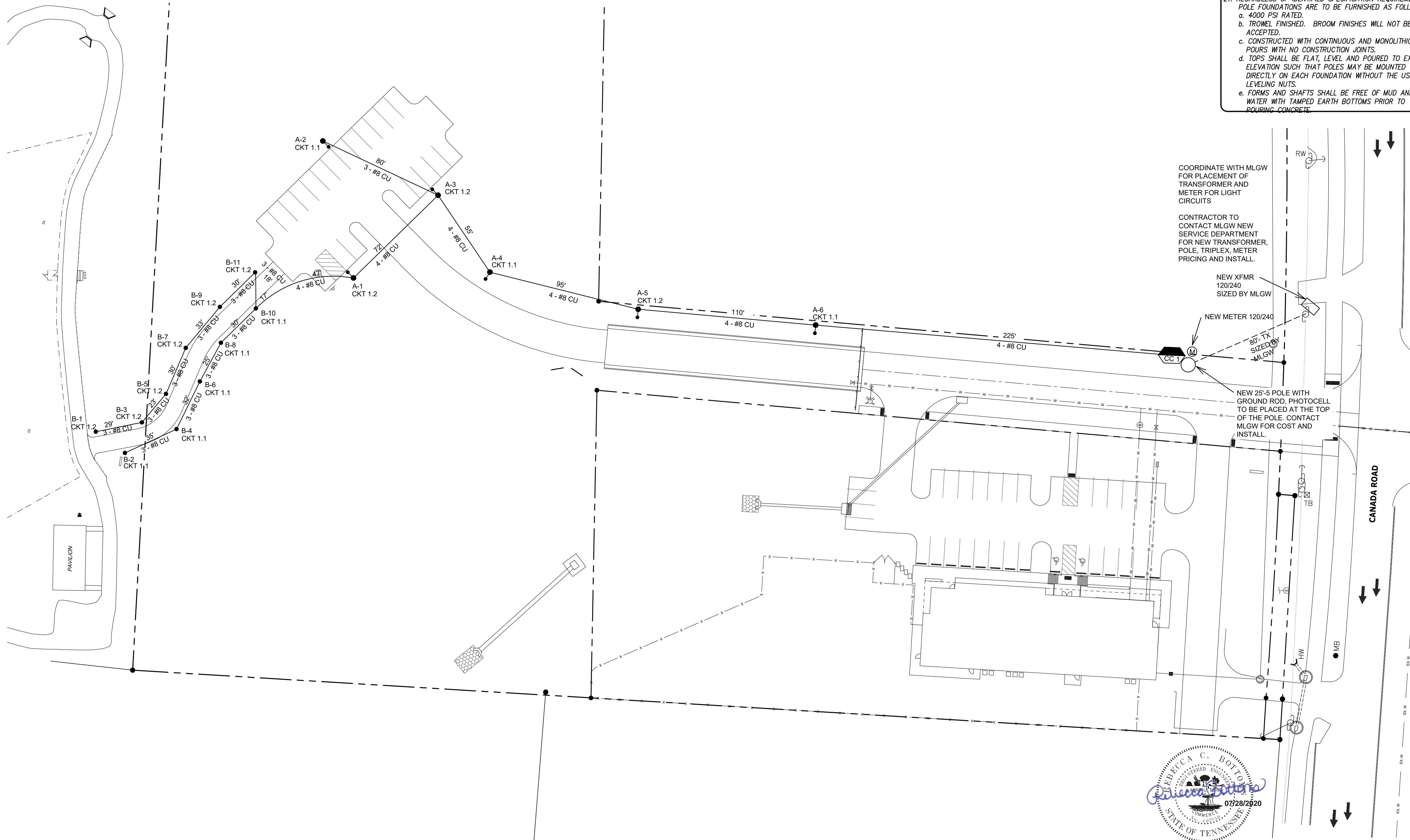


LIGHTING NOTES CONTINUED:

- ALL CONCEALED WIRE IN CONDUIT SHALL BE RATED FOR DRY AND WET LOCATIONS AND SHALL BE STRANDED COPPER WITH THIN TYPE THERMOSET INSULATION. WIRE SIZE 8-2 AWG SHALL HAVE A MINIMUM INSULATION THICKNESS OF 45 MILS. WIRE SIZE 10 AWG SHALL HAVE MINIMUM INSULATION THICKNESS OF 30 MILS. WIRE SIZE AND QUANTITIES PER PLANS.
- ALL GROUND RODS SHALL BE 5/8" X 8 FT COPPERWELD TYPE. GROUND WIRE TO COPPERWELD GROUND RODS SHALL BE BARE, SOFT DRAWN COPPER. CONNECTIONS TO GROUND ROD SHALL BE WITH MLGW APPROVED ACORN TYPE FITTING.
- LIGHT POLE FOUNDATION SHALL BE PER TDOT STANDARD DRAWING T-1-1 (STANDARD LIGHTING FOUNDATION DETAILS).
- CONTRACTOR SHALL COORDINATE WITH BOLLARD MANUFACTURER FOR BOLLARD FOUNDATION DESIGN AND BOLLARD INSTALLATION.
- LIGHTING ASSEMBLIES SHALL INCLUDE THE FOLLOWING:
 - HOT DIPPED GALVANIZED ANCHOR BOLTS AND FULLY GALVANIZED NUTS, AND WASHERS (ASTM A153).
 - POLE GROUND LUG SHALL BE TINNED OR RATED FOR COPPER TO ALUMINUM CONNECTIONS.
 - TAMPER RESISTANT STAINLESS STEEL SCREWS SIMILAR TO FASTENAL X204C0040SSX600, SIZED AS REQUIRED.
 - WRING INSIDE POLES SHALL BE THWN TYPE WITH 75 DEG C RATING.
- REGARDLESS OF IDENTIFIED SPECIFICATION REQUIREMENTS, POLE FOUNDATIONS ARE TO BE FURNISHED AS FOLLOWS:
 - 4000 PSI RATED.
 - TROWEL FINISHED. BROOM FINISHES WILL NOT BE ACCEPTED.
 - CONSTRUCTED WITH CONTINUOUS AND MONOLITHIC FORMS WITH NO CONSTRUCTION JOINTS.
 - TOPS SHALL BE FLAT, LEVEL AND POURED TO EXACT ELEVATION SUCH THAT POLES MAY BE MOUNTED DIRECTLY ON EACH FOUNDATION WITHOUT THE USE OF LEVELING NUTS.
 - FORMS AND SHAFTS SHALL BE FREE OF MUD AND WATER WITH TAMPED EARTH BOTTOMS PRIOR TO POURING CONCRETE.

LIGHTING NOTES:

- INSTALLATION AND MATERIALS SHALL COMPLY WITH SECTIONS 714 AND 917 OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JANUARY 1, 2015, MEMPHIS LIGHT GAS AND WATER (MLGW) STANDARDS, AND WITH THE LATEST REVISIONS TO THE NATIONAL ELECTRIC CODE, NFPA 70.
- ALL WORK WILL BE PERFORMED PER NEC, NESC ELECTRIC CODES.
- ALL WIRING SHALL BE CONCEALED UNDERGROUND IN 1-INCH SCHEDULE 40 PVC RIGID CONDUIT.
- THE GROUND WIRE SHALL BE RUN INSIDE CONDUIT WITHIN STRUCTURES, SHALL BE COLORED GREEN AND HAVE THWN INSULATION.
- ALL INCIDENTAL EQUIPMENT AND MATERIAL REQUIRED FOR THE SUCCESSFUL EXECUTION OF THIS WORK SHALL BE FURNISHED IN LIGHTING ITEMS WHETHER SPECIFICALLY NOTED OR NOT.
- ROADWAY AND PARKING LOT LUMINAIRES SHALL BE AMERICAN ELECTRIC LIGHTING AUTOBAHN ATBM LUMINAIRE. PATHWAY LIGHTS SHALL BE KIM LIGHTING VRB1 LED ROUND BOLLARD.
- LIGHT STANDARDS SHALL BE ROUND TAPERED ALUMINUM AND SHALL INCLUDE 6' BRACKET ARM.
- STANDARDS SHALL BE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS.
- LUMINAIRES, BOLLARDS, LIGHT STANDARDS, AND BRACKET ARMS SHALL BE BLACK IN COLOR.
- CONTRACTOR SHALL PROVIDE MANUFACTURER'S SPECIFICATION SHEETS FOR ALL CONTRACTOR SUPPLIED MATERIALS TO CITY OF LAKELAND FOR REVIEW AND APPROVAL PRIOR TO PURCHASING AND INSTALLING MATERIALS. ANY REWORK REQUIRING REMOVAL OF NON-APPROVED MATERIALS WILL BE PERFORMED AT NO ADDITIONAL EXPENSE TO THE CITY OF LAKELAND.
- CONTRACTOR TO CONTACT MLGW NEW SERVICE DEPARTMENT FOR INFORMATION AND PRICING FOR NEW POLE, TRANSFORMER, METER AND TRIPLEX SERVICE.
- IN-LINE FUSES ARE REQUIRED IN EACH AND EVERY HOT LEG IN POLE BASE.



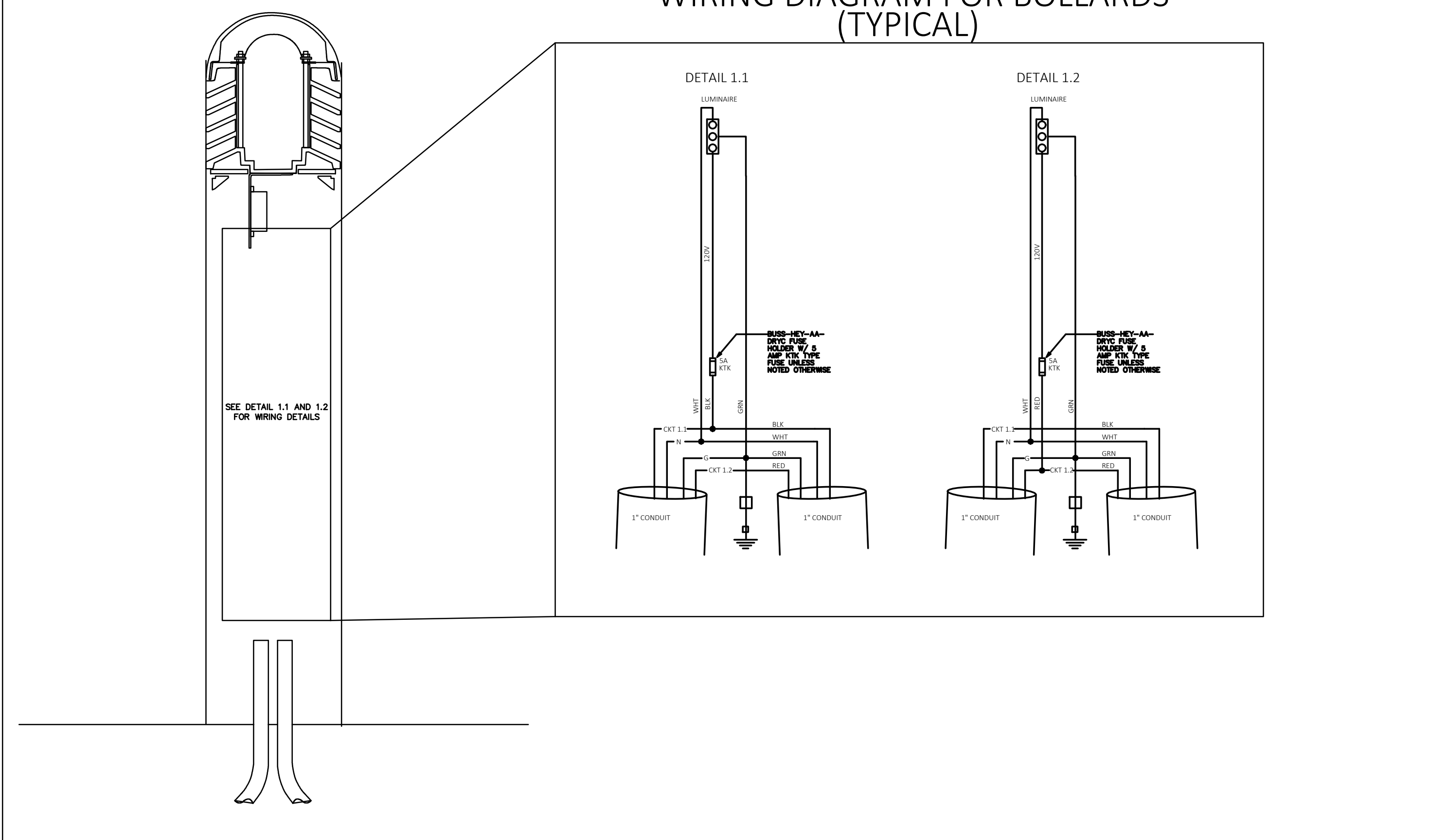
LEGEND	
	PARKING LOT LIGHT (TYPE A)
	LIGHTED BOLLARD (TYPE B)
	CONTROL CENTER
	CONDUIT WITH CONDUCTORS
	OVERHEAD CONDUCTOR
	WOOD POLE
	TRANSFORMER
	METER

REVISIONS	DATE
CANNON & CANNON INC CONSULTING ENGINEERS - FIELD SURVEYORS	
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LIGHTING LAYOUT PLAN			
CCI PROJECT NO.	01466-0000	DATE	07/28/20
DRAWING DATE	JULY 28, 2020	PM	WG
DRAWN	CIO	CHECKED	-
C4.01			

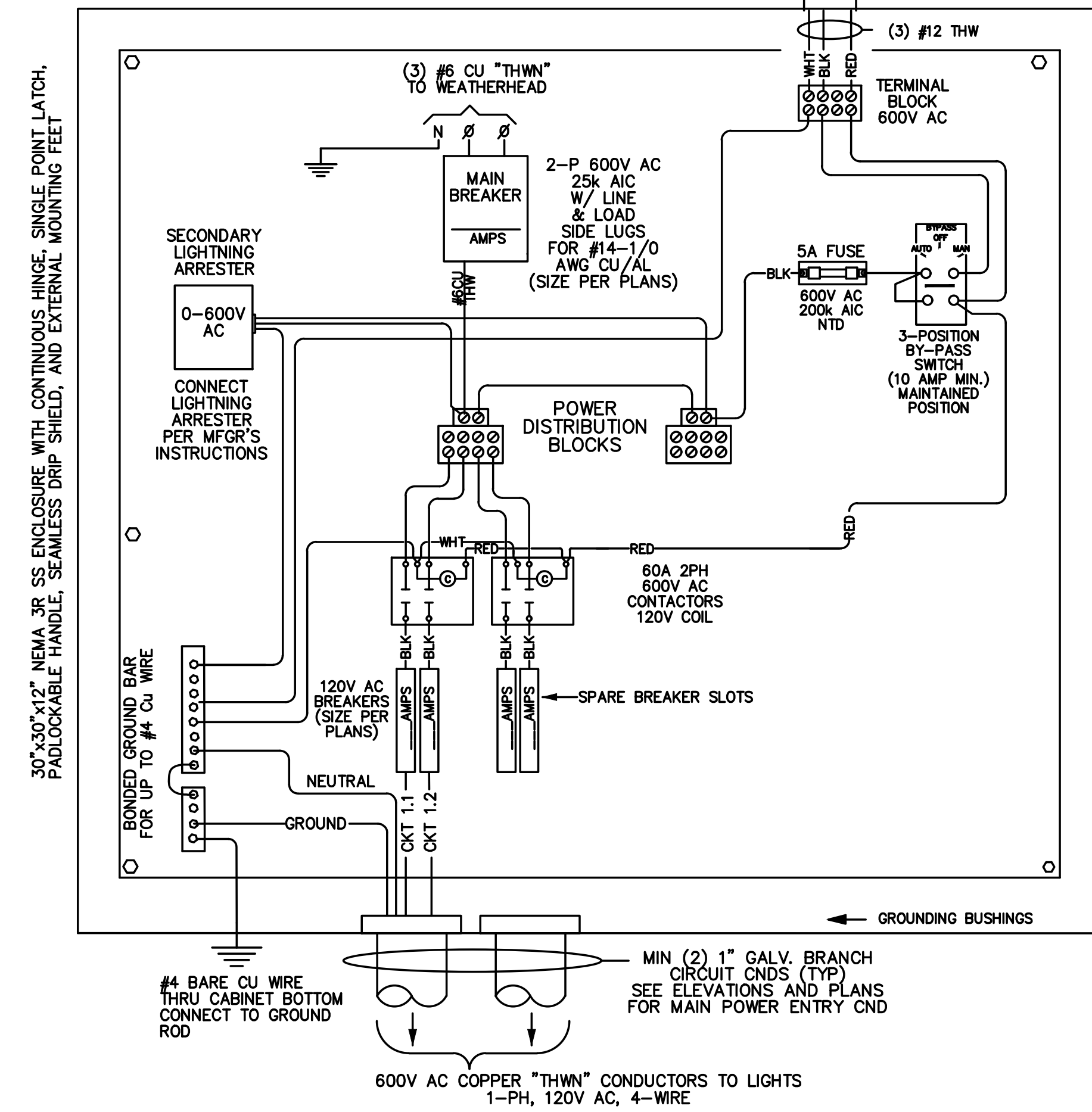


WIRING DIAGRAM FOR BOLLARDS (TYPICAL)



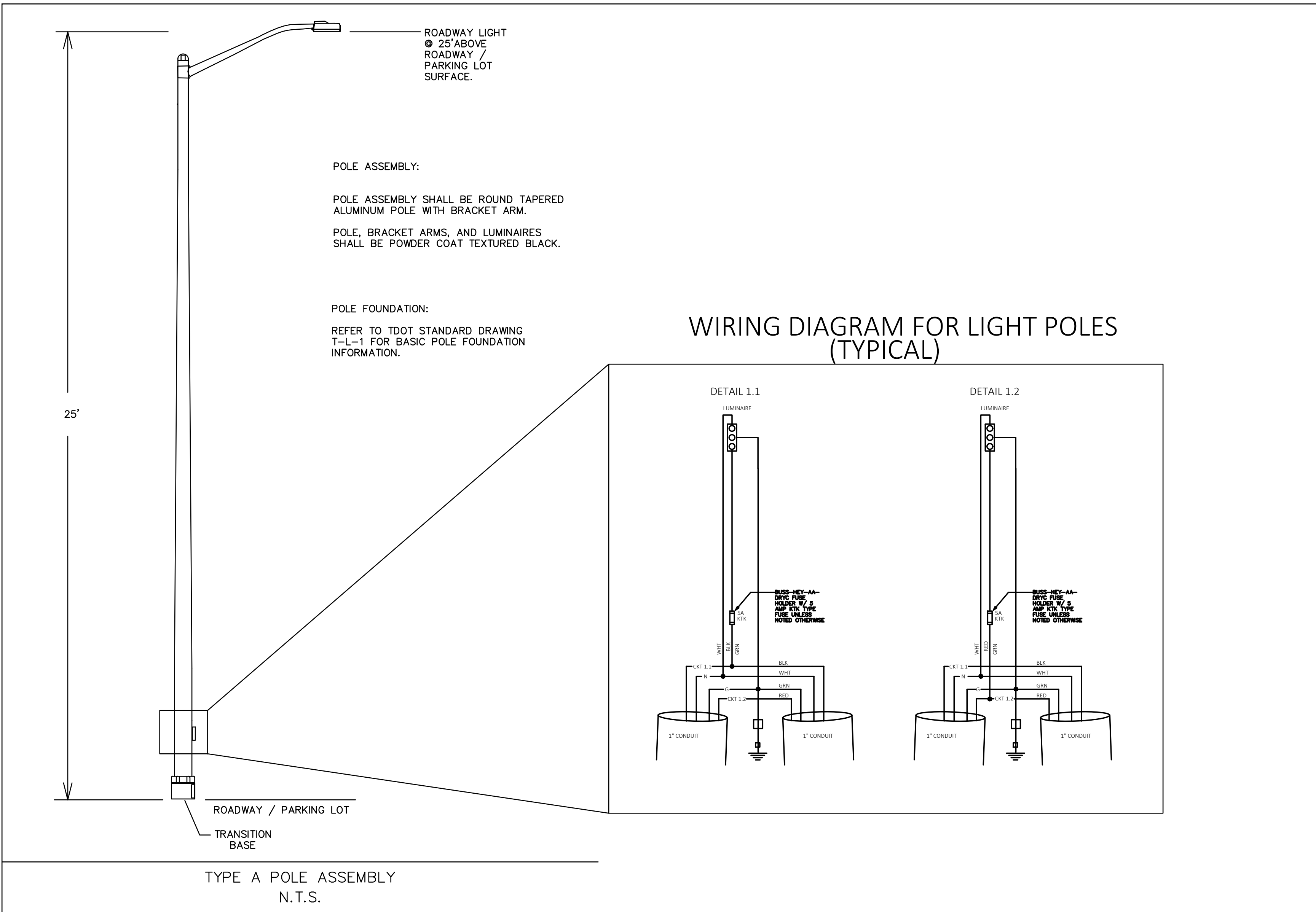
LEGEND:

- #6 CU THWN LOAD WIRE
- #12 CU THWN CONTROL WIRE
- FIELD INSTALLED CONDUCTORS (SIZE & TYPE PER SITE PLAN UNLESS NOTED OTHERWISE)



CONTROL CENTER	CIRCUIT DESIGNATION	CIRCUIT BREAKER	MAIN CIRCUIT BREAKER
1	CKT 1.1	20A DOUBLE POLE	60A
	CKT 1.2		

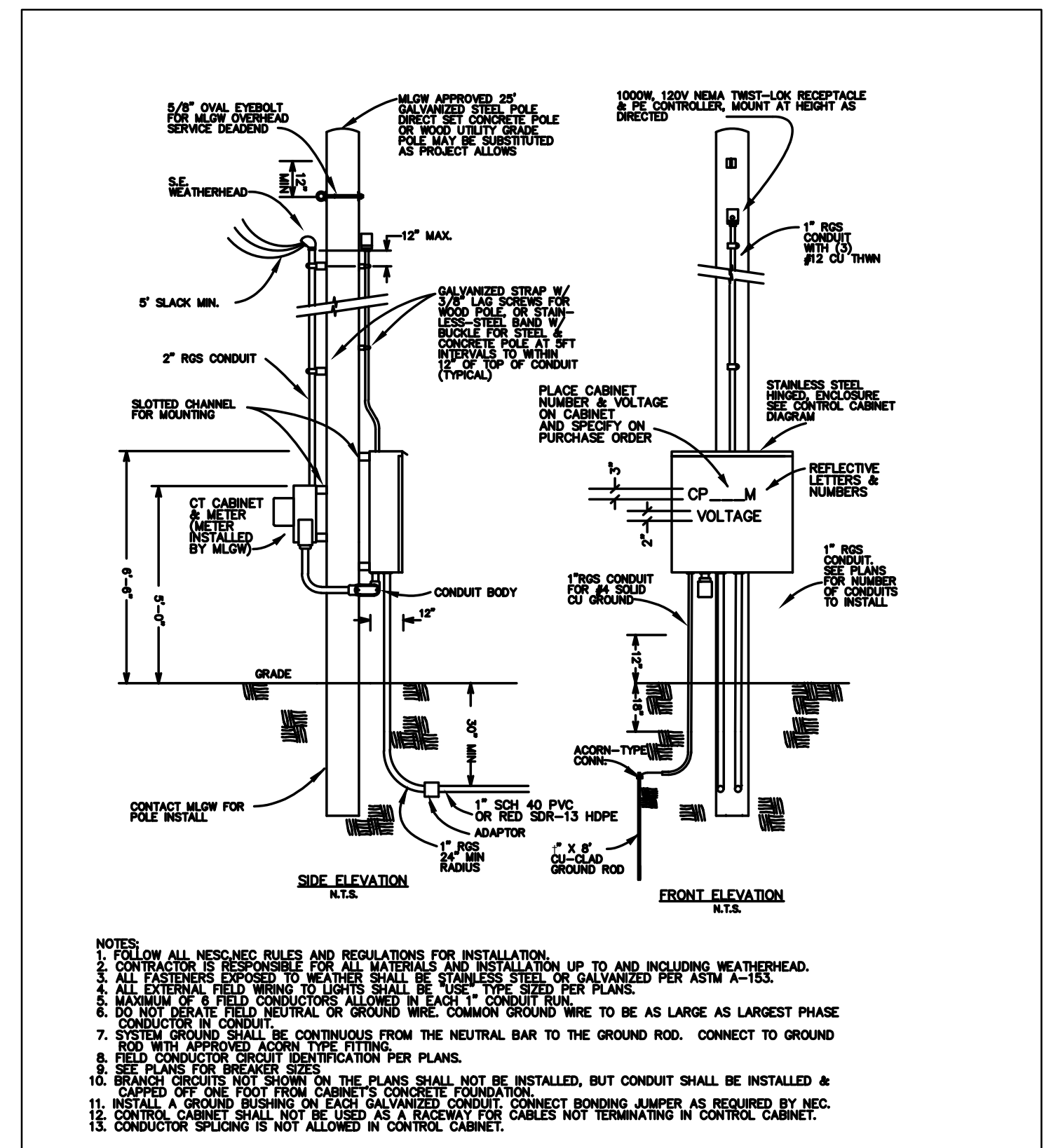
WIRING DIAGRAM FOR LIGHT POLES (TYPICAL)



POLE ASSEMBLY:
 POLE ASSEMBLY SHALL BE ROUND TAPERED ALUMINUM POLE WITH BRACKET ARM.
 POLE, BRACKET ARMS, AND LUMINAIRES SHALL BE POWDER COAT TEXTURED BLACK.

POLE FOUNDATION:
 REFER TO TDOT STANDARD DRAWING T-L-1 FOR BASIC POLE FOUNDATION INFORMATION.

POLE MOUNTED CONTROL CENTER WITH METER






- NOTES:**
1. FOLLOW ALL MESCIC RULES AND REGULATIONS FOR INSTALLATION.
 2. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND INSTALLATION UP TO AND INCLUDING WEATHERHEAD.
 3. ALL FASTENERS TO BE USED SHALL BE STAINLESS STEEL OR GALVANIZED PER ASTM A-153.
 4. ALL EXTERIOR FIELD CONDUIT TO LIGHTS SHALL BE STAINLESS STEEL OR GALVANIZED PER ASTM A-153.
 5. ALL EXTERIOR FIELD CONDUIT TO LIGHTS SHALL BE STAINLESS STEEL OR GALVANIZED PER ASTM A-153.
 6. ALL EXTERIOR FIELD CONDUIT TO LIGHTS SHALL BE STAINLESS STEEL OR GALVANIZED PER ASTM A-153.
 7. CONDUIT SHALL BE CONTINUOUS FROM THE NEUTRAL BAR TO THE GROUND ROD. CONNECT TO GROUND.
 8. FIELD CONDUIT SHALL BE CONTINUOUS FROM THE NEUTRAL BAR TO THE GROUND ROD. CONNECT TO GROUND.
 9. FIELD CONDUIT SHALL BE CONTINUOUS FROM THE NEUTRAL BAR TO THE GROUND ROD. CONNECT TO GROUND.
 10. SEE PLANS FOR BREAKER SIZES.
 11. BRANCH CONDUIT IN THE PLANS SHALL NOT BE INSTALLED, BUT CONDUIT SHALL BE INSTALLED & CAPPED OFF ONE FOOT FROM CABINET'S CONCRETE FOUNDATION.
 12. INSTALL GROUND BUSHING ON EACH GALVANIZED CONDUIT. CONNECT BONDING JUMPER AS REQUIRED BY NEC.
 13. CONDUCTOR SPLICING SHALL NOT BE ALLOWED IN A RECEPTACLE CABLES NOT TERMINATING IN CONTROL CABINET.
 14. CONDUCTOR SPLICING IS NOT ALLOWED IN CONTROL CABINET.

REVISIONS	DATE
 CONSULTING ENGINEERS - FIELD SURVEYORS TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919	
CLIENT:	CITY OF LAKELAND 10001 HIGHWAY 70 LAKELAND, TN 38002
PROJECT:	LAKELAND DOG PARK ACCESS ROAD AND LOT ACCESS TO NEW DOG PARK FROM CANADA ROAD LAKELAND, TN 38002
WIRING DIAGRAMS	
	CCI PROJECT NO. 01466-0000 DRAWING DATE JULY 28, 2020 PM WG PIC - DRAWN CIO CHECKED -
C4.02	

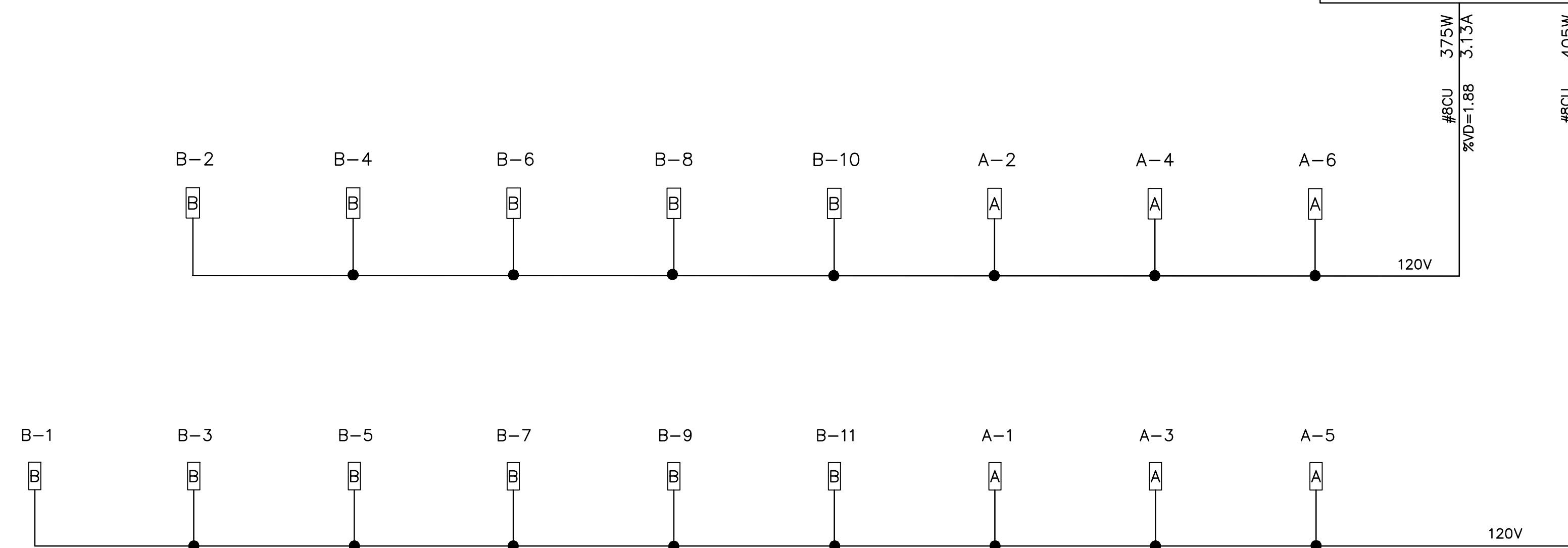
LIGHTING CIRCUIT DIAGRAM

NOTES

- CONDUIT SHALL BE 1" PVC UNLESS OTHERWISE NOTED.
- GROUND WIRE SHALL BE #8CU UNLESS NOTED OTHERWISE IN DRAWINGS
- ALLOWABLE VOLTAGE DROP ON EACH CIRCUIT SHALL NOT EXCEED 5%.

-  STREET LIGHT
68 WATT LED
-  BOLLARD LIGHT
19 WATT HPS
-  STREET LIGHT CIRCUIT

CONTROL POINT 1
120/240V
6.5 AMPS
0.780 TOTAL KW LOAD



REVISIONS	DATE

CANNON & CANNON INC
CONSULTING ENGINEERS · FIELD SURVEYORS
TEL 865.670.8555 | 8550 Kingston Pike
WWW.CANNON-CANNON.COM | Knoxville, TN 37919

CLIENT:
CITY OF LAKELAND
10001 HIGHWAY 70
LAKELAND, TN 38002

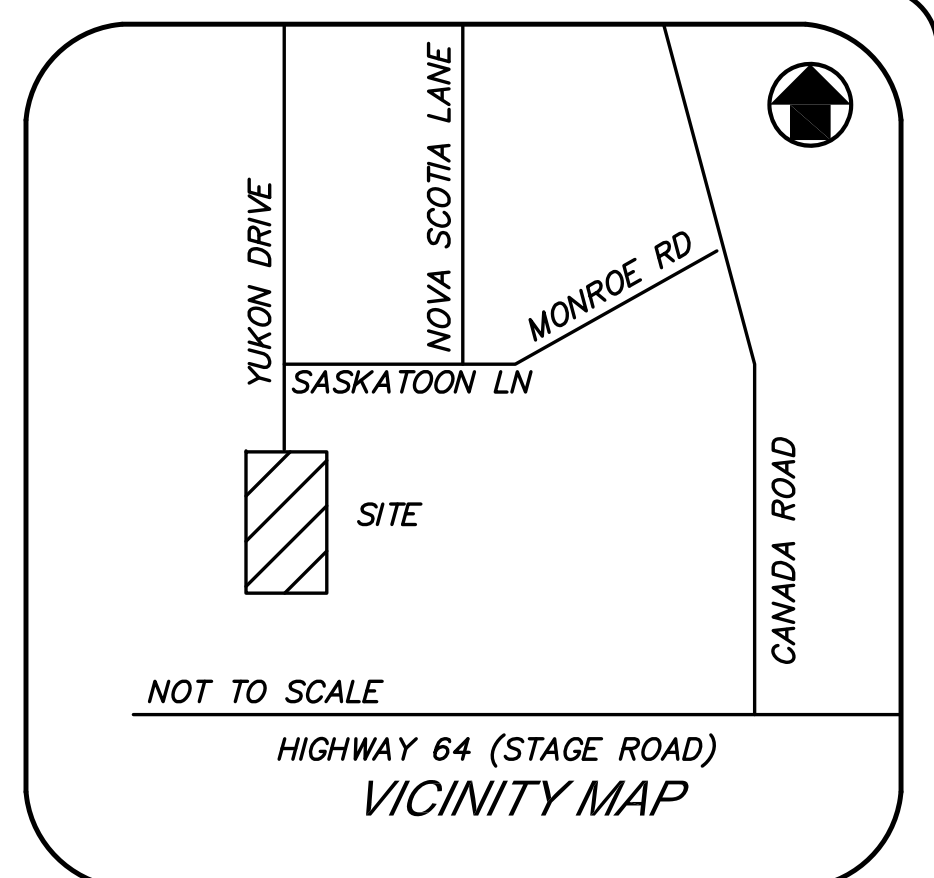
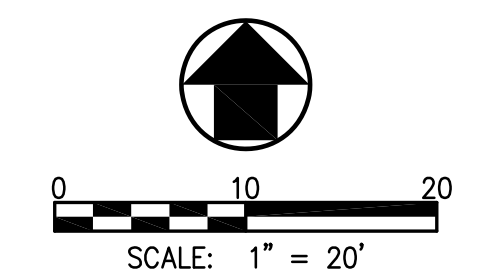
PROJECT:
LAKELAND DOG PARK ACCESS ROAD AND LOT
ACCESS TO NEW DOG PARK FROM CANADA ROAD
LAKELAND, TN 38002

WIRING DIAGRAMS

CCI PROJECT NO.	01466-0000
DRAWING DATE	JULY 28, 2020
PM	WIG PIC -
DRAWN	CIO CHECKED -



C4.03



Point	Northing	Easting	Elevation	Description
1	340141.721	852730.569	383.98	CP 1
193	339899.076	852748.593	379.32	CP 193

CONTROL POINT 1
 N: 340141.721
 E: 852730.569
 ELEV: 383.98
 REBAR W/CAP

CONTROL POINT 193
 N: 339899.076
 E: 852748.593
 ELEV: 379.32
 REBAR W/CAP

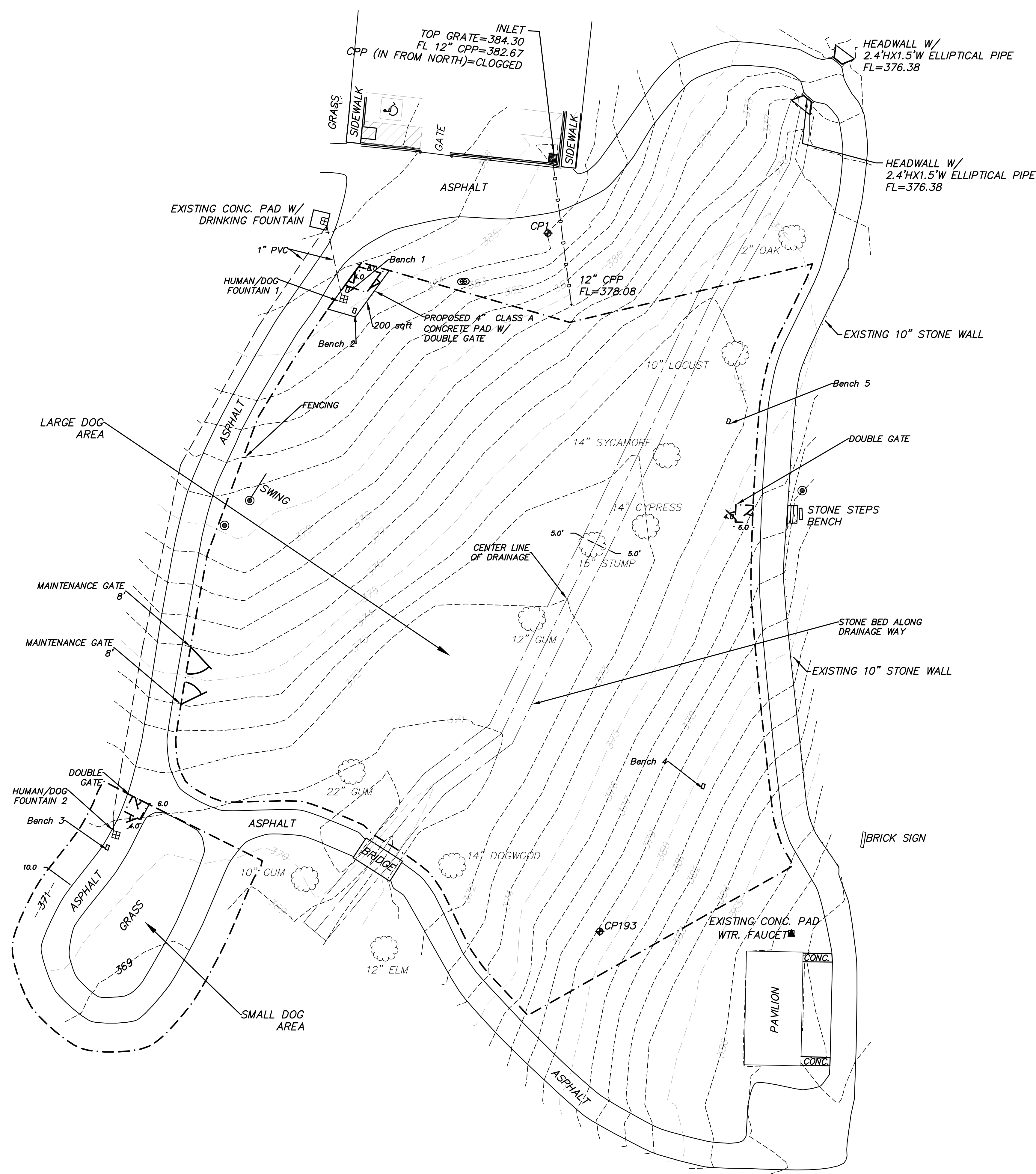
LEGEND

These standard symbols will be found in the drawing.

- DRAINAGE INLET
- ⊕ DRINKING FOUNTAIN
- ⊕ SECURITY CAMERA
- ▲ WATER SPIGOT
- ⊙ GARBAGE CAN
- ⊕ SURVEY CONTROL POINT
- TREE
- INDEX CONTOUR
- - - INTERMEDIATE CONTOURS
- - - D - D - UNDERGROUND DRAINAGE LINE
- — — STONE WALL
- — — CONCRETE
- — — FENCE
- - - DRAINAGE PATH
- - - 1" PVC PIPE

QUANTITIES

- Handicap Parking Space: 1
- Handicap Ramp: 1
- Van Loading Area: 1
- Length of Fence: 1200 LF
- Wall Gate Count: 8
- Terminal Post Count: 24
- Water Fountain Count: 2
- Bench Count: 5
- Length of PVC Pipe: 270 LF
- Concrete: 200 sqft of 4" thick
- Stone: 45-53 ton if 5ft from CL



NOTES

- The location of the fence will be staked out in the field by the City of Lakeland Consultant prior to installation.
- Fence: Black PVC chain link fence that is 5-foot tall and chain fabric with 2-inch openings knuckled at ends. Offset will be 3-feet from asphalt unless otherwise specified. The galvanized steel core wire for producing extruded and adhered PVC coated steel chain link fence fabric is produced by cold-drawing good commercial grade steel rod into wire of the appropriate diameter. The steel rod from which the wire is drawn is produced by the open hearth, electric furnace or basic oxygen process. The galvanized coating is produced by passing the cleaned wire through a bath of molten zinc which conforms to ASTM B6. The fused and adhered PVC coating is produced by first applying a thermoset bonding agent to the galvanized core wire to which the Black PVC is bonded. A coating of black PVC 0.006" (.15mm) = .010" (.25 mm) is then fusion bonded to the wire. Fencing of equal specification may be submitted.
- Dual Use Water Fountains: Pedestals are fabricated from steel pipe. Heavy Duty Brushed Aluminum spout is locked to stainless steel receptors and protected with vandal resistant steel guard. Recessed self-closing push button valve with outside stream adjustment. Slow draining pet fountain receptor with pebble guard drain. Woodland Green Powder Coat finish. Optional colors and stainless steel (-SS) are available. Any approved water fountains with equal specifications, as deemed by the City of Lakeland, may be submitted.
- Benches: 6-foot black thermoplastic covered heavy-gauge metal mesh bench with backrest. Bench corners are beveled for safety. Mounting tabs allow anchoring to ground for stability and security. Thermoplastic covering is used to reduce maintenance and allow for comfortable seating in direct sunlight. Rugged galvanized tubular steel frame is shielded with a black powder coat finish for rust-prevention and resilience against the elements. Any bench with equal specifications, as deemed by the City of Lakeland, may be submitted.
- Landscaping Stone: River or creek stone or equal with a thickness of 0.5-inch to 1.5-inch and a diameter of 3-inch to 5-inch. Stone is smooth with very little or no angular surfaces. Stone will be laid in a single layer with flat face up to provide a suitable walking surface.
- Water Supply Pipe: Standard 1-inch PVC pipe
- Handicap Parking: Removal of two standard parking spaces, replace with a 10-foot by 19.5-foot handicap parking spot and a handicap ramp in a 7.5-foot by 19.5-foot van loading area. Ramp must be ADA compliant
- Concrete Pad: Class A 3000 psi concrete poured 4-inch thick. Concrete pad must be ADA compliant
- All Materials to be installed shall be submitted to the City of Lakeland for approval

REVISIONS	DATE
CANNON & CANNON INC CONSULTING ENGINEERS - FIELD SURVEYORS	
TEL: 901.820.0020 60 Germantown Court, Ste 110 WWW.CANNON-CANNON.COM Memphis, TN 38018	
CLIENT:	CITY OF LAKELAND
PROJECT:	CITY OF LAKELAND DOG PARK
	CCI PROJECT NO. 01466-0000
	DRAWING DATE JULY 24, 2020
	PM WG PC JTT
	DRAWN JTT FR
C5.01	

