

VICINITY MAP

# **CITY OF HIGHLAND HEIGHTS OFFICIALS**

MAYOR GREG MEYERS

CITY CLERK

CITY ADMINISTRATOR

CITY COUNCIL MEMBERS DEB BALL R. ALEX BRAMEL JOHN BRAUN GARY CHINN RENE HEINRICH JOHN HOFFERT

PUBLIC WORKS DIRECTOR STEVE LEHMAN





# THE COMMONS AT HIGHLAND HEIGHTS CITY OF HIGHLAND HEIGHTS, CAMPBELL COUNTY, KENTUCKY

241829

SITE MAP

K.T.C. SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS OF THE KENTUCKY DEPARTMENT OF TRANSPORTATION CABINET, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO.

SOURCE OF BOUNDARY INFORMATION

THE BOUNDARY INFORMATION SHOWN ON THESE PLANS IS BASED UPON CAMPBELL COUNTY G.I.S. MAPPING AND DOES NOT REPRESENT AN ACTUAL FIELD BOUNDARY SURVEY BY CT CONSULTANTS, INC.

	INDEX OF SHEETS					
NO.	DWG NAME	SHEET NAME				
C1	TTL	TITLE SHEET				
C2	GEN NOTES	GENERAL NOTES & LEGEND				
C3	PNP1	SHORT SHARED USE PATH PLAN & PROFILE				
C4	PNP2	LONG SHARED USE PATH PLAN & PROFILE				
C5	PNP3	LONG SHARED USE PATH PLAN & PROFILE				
C6	XSEC1	SHORT SHARED USE PATH CROSS SECTIONS				
C7	XSEC2	LONG SHARED USE PATH CROSS SECTIONS				
C8	DET1	EROSION CONTROL DETAILS				
C9	DET2	CONSTRUCTION DETAILS				
C10	DET3	CONSTRUCTION DETAILS				
C11	DET4	CONSTRUCTION DETAILS				

SUED FOR: BIDDING NO REVI ISSUE DATE: 10/29/2024 NO SCALE: AS SHOWN SCALE: AS SHOWN DESIGNED BY: CMB DESIGNED BY: CMB DESIGNED BY: CMB CHICKED BY: CMB CHICKED BY:
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

GENERAL NOTES	UTILITY NOTES
<ol> <li>ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE LATEST EDITION OF THE CITY OF HIGHLAND HEIGHTS SUBDIVISION REGULATIONS AND THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.</li> <li>THERE SHALL BE NO DEVIATION FROM THE APPROVED PLANS WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER OR THEIR REPRESENTATIVE. ANY DEVIATION FROM THESE PLANS WITHOUT PRIOR WRITTEN APPROVAL SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE.</li> <li>THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A TESTING AGENCY FOR ALL REQUIRED TESTING.</li> <li>THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT STAKING INCLUDING HORIZONTAL AND VERTICAL CONTROL. ANY DISCREPANCIES DISCOVERED IN THE PLAN INFORMATION, OR BETWEEN THE PLAN AND ELECTRONIC DATA SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN ENGINEER SO THE APPROPRIATE ADJUSTMENTS MAY BE MADE.</li> <li>ALL WORK SHALL BE LIMITED TO THE PROPERTIES AND EASEMENTS IDENTIFIED ON THE PLANS. ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO INSPECTIONS AND ENCROACHMENT PERMITS FROM THE JURISDICTION HAVING AUTHORITY OVER THE RIGHT-OF-WAY. REQUIREMENTS OF SUCH PERMITS ARE INCORPORATED INTO THESE DOCUMENTS BY REFERENCE.</li> <li>ANY DEFECTS IN CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY THE CONTRACTOR BY REMOVAL AND REPLACEMENT OR OTHER APPROVEMENTODS PRIOR TO ACCEPTANCE BY THE OWNER WITH NO ADDITIONAL COMPENSATION.</li> <li>CONTRACTOR SHALL SUBMIT A PLAN OF OPERATIONS FOR REVIEW AND APPROVAL BY THE OWNER THAT WILL INDICATE EQUIPMENT STAGING AREAS, STOCKPILE LOCATION AND SANITATION FACILITIES.</li> <li>RIGHT-OF-WAY AND PROPERTY LINES SHOWN ARE PLOTTED FROM CAMPBELL COUNTY G.I.S. MAPPING AND ARE APPROXIMATE AND NOT THE RESULT OF A FIELD BOUNDARY SURVEY.</li>     ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION. <li>NO CONSTRUCTION SHALL COMMENCE UNTIL ALL CAMPBELL COUNTY AND THE CITY OF HIGHLAND HEI</li></ol>	<list-item><list-item></list-item></list-item>
<ol> <li>APPROPRIATE BARRICADES, WARNING LIGHTS, SIGNS, FENCING ETC. SHALL BE ERECTED AROUND THE CONSTRUCTION AREA DURING NON-WORKING HOURS TO ALERT PERSONS OF THE POTENTIAL DANGER ASSOCIATED WITH THE AREA UNDER CONSTRUCTION AS WELL AS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SAFETY OF THE GENERAL PUBLIC AS WELL AS ALL CONSTRUCTION PERSONNEL.</li> <li>ANY EXISTING ROADWAY, LAWAL CURP. SUPEWALK OR OTHER APPURTENANCE</li> </ol>	1. ALL STORM AND SANITARY ITEMS SHALL BE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS AND DETAILS FROM SD1. CONCRETE AND METAL PIPE MATERIALS SHALL NOT BE USED UNLESS OTHERWISE SPECIFIED ON THESE PLANS.
13. ANY EXISTING ROADWAY, LAWN, CORB, SIDEWALK OR OTHER APPORTENANCE DISTURBED DURING CONSTRUCTION NOT DESIGNATED FOR REMOVAL OR REPLACEMENT SHALL BE RESTORED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO DISTURBANCE.	<ol> <li>CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM AND SANITARY SEWER FLOW THROUGHOUT THE PROJECT, FOR THE DURATION OF CONSTRUCTION. ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.</li> </ol>
14. ANY TEMPORARY UTILITY REQUIRED BY THE CONTRACTOR (ELECTRIC, WATER ETC.) SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.	3. IF REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND SCHEDULING STORM AND SANITARY SEWER INSPECTIONS AS SET
15. THE CONTRACTOR SHALL PRESERVE ALL BENCHMARKS, PROPERTY LINE REFERENCES, REFERENCE POINTS, STAKES AND ANY OTHER SURVEY REFERENCE. IN CASE OF DISTURBANCE THE CONTRACTOR SHALL REPLACE THEM AT THE CONTRACTOR'S EXPENSE, BE RESPONSIBLE FOR ANY ERRORS THAT MAY BE CAUSED BY THEIR LOSS OR DISTURBANCE.	<ol> <li>CONNECTIONS INTO EXISTING OR PROPOSED STORM OR SANITARY SEWER STRUCTURES OR PIPES SHALL BE COMPLETED BY A CERTIFIED TAPPER BY SD1.</li> </ol>
<ol> <li>ALL PROPOSED CONCRETE PAVEMENT ABUTTING EXISTING PAVEMENT SHALL BE DOWELED INTO EXISTING CONCRETE PAVEMENT USING A <sup>1</sup>/<sub>2</sub>" DEFORMED DOWEL WITH 9" MINIMUM EMBEDMENT.</li> <li>THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY AND HEALTH, INCLUDING THE FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.</li> <li>THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH THE CONDITIONS AND CONSTRAINTS OF THE SITE.</li> </ol>	<ol> <li>DOWNSPOOT AND UNDERDRAIN CONSTRUCTION SHALL MEET THESE AND THE LATEST SPECIFICATION OF THE CITY OF HIGHLAND HEIGHTS SUBDIVISION REGULATIONS, SD-1 REGULATIONS AND STANDARD DRAWINGS, AND DETAILS SHOWN ON THIS PLAN. BEDDING, BACKFILLING, JOINTS, EXCAVATION AND INSTALLATION SHALL BE INCLUDED IN THE COST PER FOOT OF PIPE. STORM SEWER, DOWNSPOUT AND UNDERDRAIN PIPE MATERIAL SHALL HAVE A MANNING'S "N" VALUE OF 0.013 OR LESS (UNLESS OTHERWISE SHOWN) AND BE RIGID / SMOOTH INTERIOR WALLED PVC SDR-35 PIPE, RIBBED PVC PIPE, A-2000 PVC PIPE, UNLESS OTHERWISE SHOWN.</li> <li>ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.</li> <li>CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES, INLETS AND DETENTION SYSTEMS.</li> <li>CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE INLETS UPON PLACEMENT OF NEW PAVEMENT.</li> </ol>
19. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.	
20. EXPANSION MATERIAL SHALL BE FLEXIBLE FOAM MATERIAL, SUCH AS CERAMAR BY W.R. MEADOWS OR APPROVED EQUAL, INSTALLED IN AREAS OF CONCRETE WALK, DRIVES, OR CURB/GUITTER ONLY AT THE FOUL OWING:	WATER NOTES
<ul> <li>A. AT ALL FIXED OBJECTS (I.E. UTILITY COVERS, VALVES, MANHOLES, ETC.)</li> <li>B. AT ALL RIGID STRUCTURES (I.E. DRIVES, CURBS, STEPS, ETC.) PAYMENT FOR THIS ITEM AND ZIP STRIPS INCLUDED IN THE PERTINENT CONCRETE PAVEMENT UNIT PRICE.</li> <li>C. NO CONCRETE SHALL BE LEFT ABOVE THE EXPANSION MATERIAL OR ACROSS THE JOINT AT ANY POINT. ANY CONCRETE SPANNING THE ENDS OF THE JOINT NEXT TO THE FORMS SHALL BE CAREFULLY CUT AWAY AFTER THE FORMS ARE REMOVED. BEFORE THE PAVEMENT IS OPENED TO TRAFFIC, THE GROOVE ABOVE THE EXPANSION JOINT MATERIAL SHALL BE CLEANED AND SEALED WITH JOINT SEALING MATERIAL.</li> </ul>	<ol> <li>ALL WORK RELATING TO WATER MAINS OR WATER SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NORTHERN KENTUCKY WATER DISTRICT (NKWD).</li> <li>CONTRACTOR MAY NOT USE WATER FROM FIRE HYDRANTS WITHOUT PRIOR PERMISSION FROM NKWD.</li> <li>MAINTAIN A MINIMUM 10' HORIZONTAL SEPARATION AND 18" VERTICAL SEPARATION FROM ALL SANITARY SEWERS.</li> </ol>
ACCESSIBILITY NOTES	
<ol> <li>ALL REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) SHALL BE FOLLOWED IN ALL ASPECTS OF THE PROJECT.</li> <li>ALL SIDEWALKS INSTALLED SHALL HAVE A MAXIMUM CROSS SLOPE OF 2%.</li> </ol>	GAS NOTES 1. ALL WORK RELATING TO GAS MAINS OR GAS SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE DUKE ENERGY. ELECTRIC NOTES
	ALL WORK RELATING TO ELECTRIC LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE DUKE ENERGY.

## MAINTENANCE OF TRAFFIC NOTES ALL MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SECTION 112 OF KTC STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC (ACCESS TO RESIDENCES WITHIN CONSTRUCTION LIMITS) AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SIGN, WARNING LIGHTS, BARRICADES, OR OTHER NECESSARY DEVICES TO MAKE THE SITE SAFE TO THE TRAVELING PUBLIC. 2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT TO THE ENGINEER AND THE OWNER A TRAFFIC CONTROL PLAN FOR THIS PROJECT. . PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF HIGHLAND HEIGHTS, AS WELL AS THEIR POLICE AND FIRE DEPARTMENTS. AT ALL TIMES, EMERGENCY VEHICLES SHALL BE GIVEN ACCESS. . RESIDENTS OF THE PROJECT AREA SHALL BE ALLOWED ACCESS TO THEIR PROPERTY AT ALL TIMES. ALTERNATE ROUTES OR CONTINUOUS TRAFFIC CONTROL SHALL BE EMPLOYED WHEN A PUBLIC WAY IS TEMPORARILY BLOCKED DURING CONSTRUCTION, INCLUDING PEDESTRIAN AND BICYCLE FACILITIES. ADVANCED NOTICE SIGNS IN ACCORDANCE WITH THE MUTCD SHALL BE EMPLOYED. **GRADING AND EROSION CONTROL NOTES** ALL DISTURBED AREAS ARE TO BE RESTORED (SEEDED AND MULCHED) BY THE CONTRACTOR AND SHALL PROCEED WITH JOB PROGRESSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION AND FINAL INSPECTION PER KDOT SPEC. 212. ALL DISTURBED AREAS SHALL BE RESTORED WITHIN TWENTY-ONE (21) DAYS AFTER CONSTRUCTION. ALL APPLICABLE RECOMMENDATIONS IN KENTUCKY'S BEST MANAGEMENT PRACTICES MANUAL SHALL BE FOLLOWED BY THE CONTRACTOR, INCLUDING SEEDING OF DISTURBED GROUND. ADDITIONAL BMP'S AND EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY. ALL COST FOR ABOVE SHALL BE INCLUDED IN LUMP SUM BID FOR EROSION CONTROL AND WATER POLLUTION CONTROL. ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS AND MATERIALS OF CONSTRUCTION. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUITABILITY OF MATERIAL UNDERLYING THE PROJECT SITE. THE CONTRACTOR SHALL PERFORM ANY INVESTIGATIONS OR TESTING NECESSARY TO ADEQUATELY DETERMINE OR ESTIMATE TO THEIR SATISFACTION ANY EXISTING SITE CONDITION WHICH COULD AFFECT HIS BID OR THE PERFORMANCE OF THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE, BUT NOT BE LIMITED TO, UNSUITABLE OR UNSTABLE SOIL/SUBSURFACE CONDITIONS, ROCK, WATER (PERCHED OR FREE), OBSTRUCTIONS, ETC. ALL TREES AND OTHER VEGETATION WITHIN THE PROJECT LIMITS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED, INCLUDING STUMP ------- SF ------- PROPOSED SILT FENCE REMOVAL. THE CONTRACTOR SHALL REMOVE ALL SURPLUS DEMOLISHED AND WASTE MATERIALS, INCLUDING TREES, STUMPS, TRASH AND DEBRIS, FROM THE PROJECT LIMITS AND DISPOSE OF OFF-SITE. IN NO INSTANCE SHALL MATERIAL BE BURIED ON-SITE. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL MATERIAL DEEMED UNSUITABLE FOR EMBANKMENT BY THE OWNER'S REPRESENTATIVE AND BE DISPOSED OF OFF-SITE. THE CONTRACTOR SHALL PROVIDE FINAL GRADING TO WITHIN 1" OF GRADES SHOWN ON THE PLANS. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FROM ALL AREAS TO BE GRADED, TO WHATEVER DEPTH ENCOUNTERED, AND IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL. SOIL SHALL NOT BE STOCKPILED NEAR THE EDGE OF EXCAVATIONS OR WITHIN DRIP LINES OF TREES TO REMAIN. 10. EXCESS SOIL GENERATED FROM TRENCH EXCAVATIONS SHALL BE INCORPORATED IN THE UNIT PRICE BID FOR EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION. ANY EXCESS SOIL UNABLE TO BE PLACED ON-SITE OR DEEMED UNSUITABLE FOR EMBANKMENT BY THE ENGINEER SHALL BE DISPOSED OF OFF-SITE. NO SLAG, RIVER GRAVEL, RECYCLED PORTLAND CEMENT CONCRETE, HATCH LEGEND RECLAIMED ASPHALT CONCRETE PAVEMENT OR RECLAIMED BITUMINOUS AGGREGATE BASE SHALL BE USED AS FILL. 12. EXPOSED PAVEMENT SUBGRADE AREAS SHALL BE MAINTAINED IN CONDITIONS TO PREVENT PONDING OF WATER AFTER RAINS. 13. ALL EXISTING AND PROPOSED MANHOLE COVERS, VALVE BOXES, ETC. LOCATED WITHIN PEDESTRIAN ACCESS SHALL BE FLUSH MOUNTED WITH THE WALKING SURFACE. 14. SLOPE ALL PAVING AND LANDSCAPE AREAS AWAY FROM THE BUILDING AT A MINIMUM OF 1%. 15. THE ENGINEER MAKES NO REPRESENTATION AS TO A BALANCED EARTHWORK SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE FINAL SITE GRADES AS INDICATED ON THE GRADING PLAN, INCLUDING THE IMPORT OR EXPORT OF MATERIAL IF REQUIRED TO ACHIEVE THE PROPOSED GRADES. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ALL SURPLUS EARTHWORK, DEBRIS OR WASTE FROM THE SITE. ALL COST FOR THE ABOVE SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR EXCAVATION AND/OR EMBANKMENT. THE CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES TO REMAIN FROM DAMAGE CAUSED BY EARTHWORK OPERATIONS. MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR(S). 18. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF REPAIR AND/OR REPLACEMENT OF BMP'S.

EROSION CONTROL LEGEND

( IP )INLET PROTECTION (SEE DETAIL) CD CHECK DAM (CE) CONSTRUCTION ENTRANCE (WA) CONCRETE WASHOUT (RCP) ROCK CHANNEL PROTECTION (SDD) SKIMMER DEWATERING DEVICE

# SHARED USE PATH

PICKLEBALL COURT

5" CONCRETE SIDEWALK

	<u>SY</u>	MBOL LEGEND	-						
	G G	EXISTING GAS LIN	NE						
	- GS GS GS GS	EXISTING GAS SE	RVICE RIC (UNDERGROUND / OVERHEAD)						
	С-UG//С-ОН	EXISTING CABLE	(UNDERGROUND / OVERHEAD)						
		EXISTING TELEPH	IONE (UNDERGROUND / OVERHEAD)						
W		EXISTING WATER	MAIN						
		EXISTING WATER	SEWER						
	D — — RD — — RD — — RD — — RD —	EXISTING ROOF D	DRAIN			ų	2	10	
	S S S	EXISTING SANITA	RY SEWER			i del	ted	Siers	
	FM FM FM	EXISTING SANITA	RY FORCE MAIN			nair	٥. بې	lanr	
X X -	X X X X X	EXISTING FENCE				ā. 1	ซิ	<b>Q</b> .	
	650	EXISTING CONTO	URS (MAJOR)			ğ	S		
	648	EXISTING CONTO	URS (MINOR)			dvis			
	EX. KWV	EXISTING RIGHT	RTYLINE			ed	<u>_</u>		
		EXISTING EASEM	ENT			Inst	n s		
		EXISTING GUARD	RAIL			<u>اح</u>	с 0		
		EXISTING TREE LI	INE .			×I	Ŭ		
	G	PROPOSED GAS L	INE						-
—— GS —	GS GS GS GS	PROPOSED GAS S	SERVICE						
E-I									
	ис — С-ОН — С-ОН — Т-ОН — Т-О	PROPOSED TELEF	PHONE (UNDERGROUND / OVERHEAD)						
		PROPOSED WATE	ER MAIN	Щ					
ws	wswswsws	PROPOSED WATE		DAT					
			IM SEWER						
	UD/DSC UD/DSC	PROPOSED UNDE	RDRAIN / DOWNSPOUT COLLECTOR COMBO						
	SS	PROPOSED SANIT	FARY SEWER						
	- FM								
xx-	XXXXXX	PROPOSED FIBER	E	N					
		PROPOSED CONT	OURS (MAJOR)	EVISIO					
	648	PROPOSED CONT	OURS (MINOR)	RE					
		PROPOSED RIGH							
		PROPOSED EASE	MENT						
		PROPOSED GUAR	RDRAIL						
. / ^ ^ ^		PROPOSED TREE	LINE / CLEARING LIMITS						
				Ŋ					
þ	EXISTING FLAGPOLE	þ	PROPOSED FLAGPOLE	(D	4	7	m		F
MB	EXISTING MAILBOX	(MB)	PROPOSED MAILBOX	NIDO	9/202	MOH	CMI	CMI	ΕMΞ
-0-	EXISTING SIGN	-0-	PROPOSED SIGN	B	10/2	AS SI			
CP	EXISTING CABLE PEDESTAL	CP	PROPOSED CABLE PEDESTAL						
EP	EXISTING ELECTRIC PEDESTAL	EP	PROPOSED ELECTRIC PEDESTAL	"OR:	ATE:		ED BY	.∺ ∭	DBY
PB	EXISTING PULL BOX	PB	PROPOSED PULL BOX	JED I	JE D	Ш	SIGNE		CKE
$O_{\tilde{\chi}}^{\underline{r}}$	EXISTING GROUND LIGHT	О́;	PROPOSED GROUND LIGHT	ISS	ISS	sc/	DEG	DR/	CHE
	EXISTING LIGHT POLE	-`@	PROPOSED LIGHT POLE						
EM	EXISTING ELECTRIC METER	EM	PROPOSED ELECTRIC METER	ທ	I				
Ē	EXISTING ELECTRIC MANHOLE	Ē	PRPOSED ELECTRIC MANHOLE	Ι'n	I				
[GM]	EXISTING GAS METER	<u>GM</u>	PROPOSED GAS METER	U U	,			Z	_   
$\bigotimes^{GV}$	EXISTING GAS VALVE	 ⊗ <sup>GV</sup>	PROPOSED GAS VALVE	Ш				Ш	_
GF	EXISTING GAS BOX	GF	PROPOSED GAS BOX	I				Ú	
¢	EXISTING UTILITY POLE	6	PROPOSED UTILITY POLE		T	5		Ш	
(	EXISTING GUY WIRE / ANCHOR	/ (	PROPOSED GUY WIRE / ANCHOR	Z	F	Z			
	EXISTING SANITARY MANHOLF			◀	4	, v		Ň	
SCO	EXISTING SANITARY OF FANOLIT	_SCO			<b>1</b>				
伺	EXISTING STORM MANUOLE			0	Ш	Ū		U)	
「mīmīm」 「mīmīmī				II		Ψ		Ш	1
ے ر <u>وبیونی</u> رکھا	EXISTING ONTOU DAON							7	
lell DCO			PROPOSED CATCH BASIN	<b>∖</b>	Ш	Ż		Y	,
			PROPOSED STORM CLEANOUT	່ທ	Ľ			4	•
DCO	EXISTING TELEPHONE MANHOLE	$\underline{\bigcirc}$	PROPOSED TELEPHONE MANHOLE	Ž	Ā	۲.			
TP ~	EXISTING TELEPHONE PEDESTAL		PROPOSED TELEPHONE PEDESTAL	0	L M			5	}
0	EXISTING FIRE HYDRANT	Ø	PROPOSED FIRE HYDRANT		<b>.</b>	_			1
WM HAD (	EXISTING WATER METER	WM .	PROPOSED WATER METER					Щ	
$\otimes^{\vee\vee\vee}$	EXISTING WATER VALVE		PROPOSED WATER VALVE	l N	1			2	
	EXISTING BUSHES / TREES	X	REMOVE EXISTING BUSH / TREE		I			Ш /Ъ	
→ <sup>BM#</sup>			PROPOSED SI OPE DIRECTION	╎╨				U	1
	EXISTING SURVEY BENCHMARK	V		∣⊨					
™B#	IESI BURING LUCATION								
						241	829	9	
						DISCIF	LINE		
						CIV	/IL		
						SHEET	NAME		

NOTES

C11

SHEET

**C2** 





C:\CT\CAD\\_DRIVES\\_H\2023\241829 HIGHLAND HEIGHTS SUP\DWG\SHEETS\C\_241829 - SHARED USE PATH.DWG - PNP01 - 10/28/2024 12:56:28 PM - CHRISTINA BARRY



GENERAL CONSTRUCTION NOTES					
1 2" WIDE PICKLE BALL COURT MARKINGS. SEE DETAIL SHEET.					
2 TIE INTO EXISTING SIDEWALK OR TRAIL.					
3 10' HIGH, 5' WIDE CHAIN LINK GATE.					
4 PROTECT EXISTING POWER POLE.					
5 REMOVE EXISTING VOLLEYBALL POLES AND STAND.					
6 INSTALL MODULAR BLOCK RETAINING WALL. SEE DETAIL SHEET. INSTALL WOOD SPLIT RAIL FENCE AT TOP OF WALL.					
7 INSTALL ENTRANCE CURB AND GUTTER. SEE DETAIL SHEET.					
8 INSTALL 6"x36" REMOVABLE BOLLARD WITH FLUSH MOUNT EMBEDMENT SLEEVE. CONTRACTOR TO PROVIDE SHOP DRAWING.					
9 REMOVE 12" CRUSHED AGGREGATE TO USE FOR FILL ALONG SHARED USE PATH. REPLACE AGGREGATE WITH EXCAVATED MATERIALS FROM REMOVED VOLLEYBALL COURTS. ENSURE POSITIVE DRAINAGE ON FINISHED GRADE.					
10 INSTALL 2" CONDUIT UNDER PAVEMENT FOR FUTURE LIGHTING.					
11 4' HIGH, 5' WIDE CHAIN LINK GATE.					
STORM SEWER CONSTRUCTION NOTES					
D1 CONSTRUCT CATCH BASIN PER DETAIL SHEET.					
D2 INSTALL FLARED END SECTION WITH ROCK CHANNEL PROTECTION. SEE DETAILS.					
LANDSCAPING CONSTRUCTION NOTES					
L1 PROTECT EXISTING TREES.					





SHEET

**C3** 

OF

C11





PROFILE
H: 1" = 20'
V: 1" = 5'

GENERAL CONSTRUCTION NOTES

	— o —
STORM SEWER CONSTRUCTION NOTES	
D1 CONSTRUCT CATCH BASIN PER DETAIL SHEET.	X>
D2 INSTALL FLARED END SECTION WITH ROCK CHANNEL PROTECTION. SEE DETAILS.	— o —
LANDSCAPING CONSTRUCTION NOTES	
L1 PROTECT EXISTING TREES.	3





BOTTOM OF WALL
STA 15+33







MODULAR BLOCK WALL PROFILES

C:\CT\CAD\\_DRIVES\\_H\2023\241829 HIGHLAND HEIGHTS SUP\DWG\SHEETS\C\_241829 - XSEC.DWG - XSEC1 - 10/28/2024 8:17:06 AM - CHRISTINA BARRY









			ľ					
THE COMP	MONS AT HIGHLAND HEIGHTS	ISSUED FOR:	BIDDING	ON	REVISION	DATE		
	SHARED USE PATH	ISSUE DATE:	10/29/2024					
	HIGHLAND HEIGHTS, KY	SCALE: A	NWOHS S				your trusted advisor	
		DESIGNED BY:	CMB				consultants engineers architects	
SHOR	T SHARED USE PATH	DRAWN BY:	CMB				planners	
		CHECKED BY:	FWT					









C:\CT\CAD\\_DRIVES\\_H\2023\241829 HIGHLAND HEIGHTS SUP\DWG\SHEETS\C\_241829 - XSEC.DWG - XSEC2 - 10/28/2024 8:17:06 AM - CHRISTINA BARRY





















C:CT/CAD\_DRIVES\_H/2023/241829 HIGHLAND HEIGHTS SUPIDWGISHEETS/C\_241829 - DETAILS.DWG - EROSION CONTROL DETAILS - 10/27/2024 7:00:11 PM - CHRISTINA BARRY



1. PLACE GEOTEXTILE OVER THE ENTIRE AREA PRIOR TO PLACING STONE MEETING THE MIN.

- = 200 LBS.
- = 80 PSI
- = 50 LBS.
- = 320 PSI
- = 20%
- = 0.001 CM/SEC

2. APPLY ADDITIONAL STONE AS CONDITIONS DEMAND AND REPLENISH STONE WHEN THE DEPTH IS LESS THAN 6". REMOVE AND REPLACE IF STONES BECOMES MUD-LADEN.

IMMEDIATELY REMOVE MUD DROPPED, WASHED OR TRACKED ONTO ROADS OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS BY SCRAPING OR

4. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES OR TO PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS.

## CONSTRUCTION ENTRANCE

SCALE: NONE

SEEDING	G FERTILIZATIO	N AND	MOWING CHART	
	FORMULA	LB/ AC	TIME	MOW
CUE SS ASS	10-10-10	500	FALL YEARLY OR AS NEEDED	<u>&gt;</u> 3"
	10-10-10	500		
E	10-10-10	500		<u>&gt;</u> 4"
SCUE	0-20-20	400	SPRING, AND YEARLY AFTER	DO NOT
	0-20-20	400	ESTABLISHED	MOW
IANENT S	SEEDING SPEC	IES SE	LECTION	
	SEED F LB/AC.	RATE NO	TES:	
	GENERAL USE			
SCUE ASS RASS	20 - 40 10 - 20 20 - 40	FOR AND <2.0	CLOSE MOWING WATERWAYS WIT FT./SEC. VELOCIT	Ή Y
	40 - 50			
Ξ	90			
STEEP I	BANKS OR CUT	SLOP	ES	
	40 - 50			
	10 - 20 20 - 30	DO AU	NOT SEED LATER GUST	THAN
	20 - 25 20 - 30	DO AU	NOT SEED LATER GUST	THAN
ROAD	DITCHES AND S	SWALE	S	
	40 - 50			
E RASS	90 5			
	LAWN			
RASS ASS	100 - 120 100 - 120			
RASS SCUE	100 - 120 100 - 120	FO	R SHADED AREAS	

PERMANENT SEEDING DETAIL

SCALE: NONE



### NOTES:

- PRESERVE VEGETATION FOR 5 FEET, OR AS MUCH AS POSSIBLE, UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM SILT FENCE INSTALLATION.
- 2. SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. PERFORM ONE OF THE FOLLOWING IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW:
- CHANGE THE LAYOUT OF THE SILT FENCE.
- REMOVE ACCUMULATED SEDIMENT.
- INSTALL OTHER PRACTICES.

FABRIC PROPERTIES	VALUES	TEST METHOD
GRAB TENSILE STRENGTH	90 LB. MIN	ASTM D-1682
MULLEN BURST STRENGTH	190 PSI MIN	ASTM D-3786
SLURRY FLOW RATE	0.3 GAL./MIN./S.F. MAX.	
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MIN	ASTM-G-26

SILT FENCE

SCALE: NONE

#### NOTES:

- THE SEED BED SHALL BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF 1) ESTABLISHING VEGETATION.
- SOIL AMENDMENTS MAY BE REQUIRED TO ESTABLISH ADEQUATE VEGETATION. PERFORM 2) SOIL TESTS ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.
- APPLY SEED UNIFORMLY. COVER BROADCASTED SEED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPING INTO PLACE.
- APPLY MULCHING IMMEDIATELY AFTER SEEDING. 4)
- SEEDING SHALL BE INSPECTED FOR BARE SPOTS AND WASHOUTS, AND RESEEDED AS 5) NECESSARY.

TE	EMPORARY SEEDING SPEC	IES SELECTION	
DATES	SPECIES	LB/1,000 SF	LB/AC.
MARCH 1	OATS	3	128
TO	TALL FESCUE	1	40
AUGUST 15	PERENNIAL RYEGRASS	1	40
	PERENNIAL RYEGRASS	2	40
	TALL FESCUE	1	40
AUGUST 16 TO NOVEMBER 1	RYE TALL FESCUE PERENNIAL RYEGRASS	3 1 1	112 40 40
	WHEAT	3	120
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
	PERENNIAL RYEGRASS	2	40
	TALL FESCUE	1	40
NOVEMBER 1 TO SPRING	ONLY MULCH OR DORMANT SEEDING.		

**TEMPORARY SEEDING DETAIL** SCALE: NONE



**C8** 

C11



C:\CT\CAD\\_DRIVES\\_H2023/241829 HIGHLAND HEIGHTS SUP\DWG\SHEETS\C\_241829 - DETAILS.DWG - DETAIL 2 - 10/27/2024 7:44:16 PM - CHRISTINA BARRY



C:\CT\CAD\\_DRIVES\\_H\2023\241829 HIGHLAND HEIGHTS SUP\DWG\SHEETS\C\_241829 - DETAILS.DWG - DETAIL 3 - 10/28/2024 12:48:22 PM - CHRISTINA BARRY

BASIC BID - ACRYLIC COLOR:

ACRYLIC COLOR COATING FOR COURT SURFACE. DYNAFLEX MATERIALS OR APPROVED EQUAL (2 COAT RESURFACER, 3 COATS OF COLOR COATING). INCLUDES ANY REQUIRED LEVELING OF ASPHALT SURFACE WITH DYNABINDER QUICK PATCH BINDER.



COURT COLORING HATCH LEGEND COLORS TO BE APPROVED BY OWNER AFTER SELECTING FROM CONTRACTOR-SUPPLIED SAMPLE PRODUCTS



COLOR : TO BE DETERMINED

------- STRIPING TO BE 2" WIDE WHITE.

PICKLE BALL COURT SCALE: 1" = 5'



MANUFACTURER'S SPECIFICATIONS

– INSTALL PERMANENT NET PER



